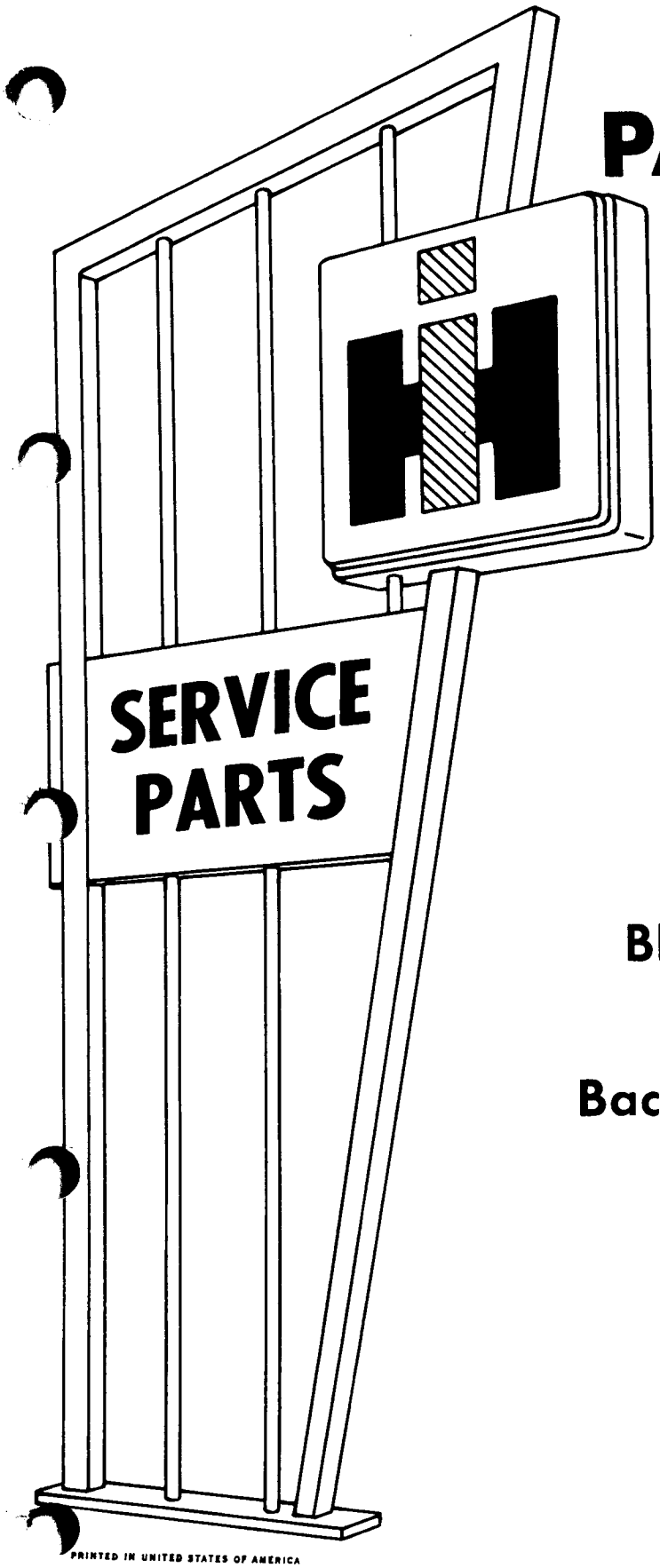
INTERNATIONAL®

BKH-1

BACKHOES

PARTS CATALOG



PARTS CATALOG

REVISION NO. 23

(Partial revision)

Following is a list of revised and/or supplementary pages. Remove and destroy the old pages with corresponding page numbers and insert the additional new pages sent herewith.

SECTION A	SECTION B	SECTION C
7 and 8	7 and 8.	7 and 8.

BKH-1

Backhoes

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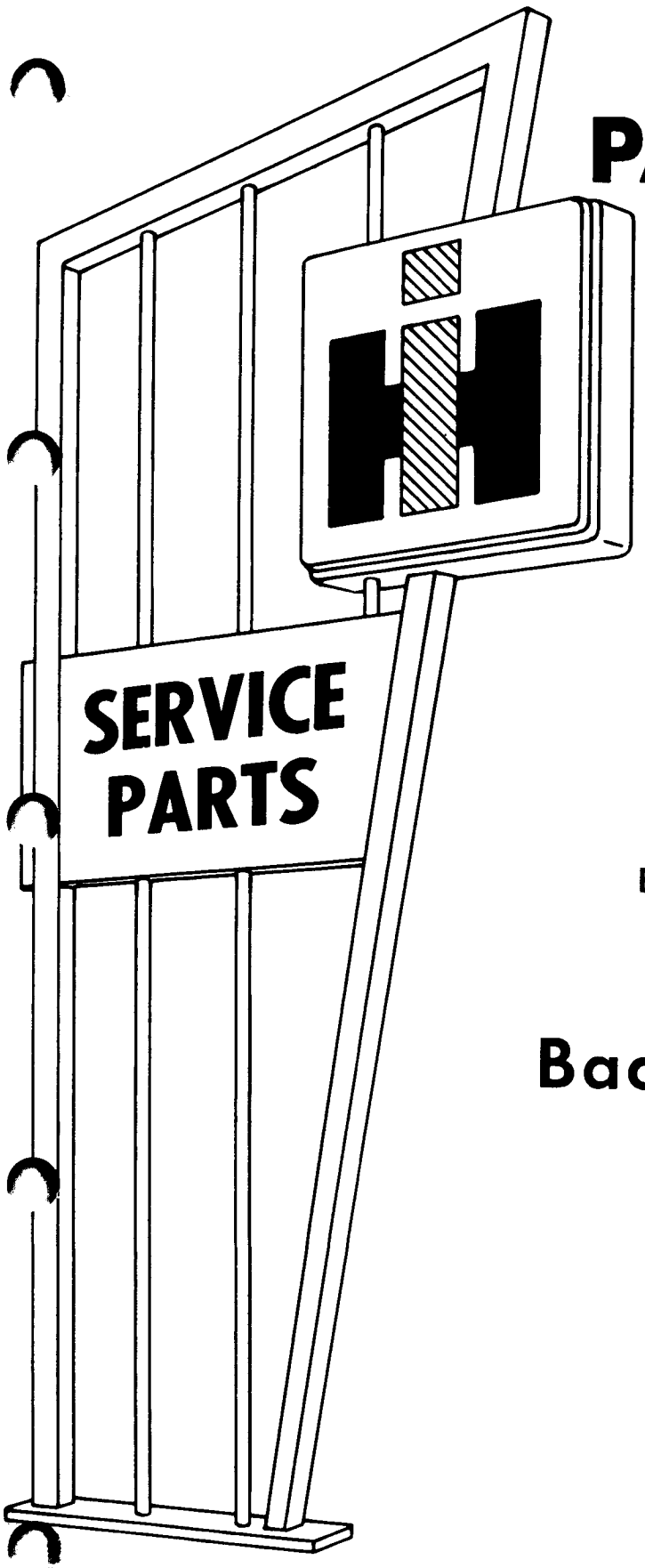

PARTS CATALOG

REVISION NO. 22

(Partial revision)

Refer to the following page for instructions.

BKH-1

Backhoes

Issued 10-'74

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Following is a list of revised and/or supplementary pages. Remove and destroy the old pages with corresponding page numbers and insert the additional new pages sent herewith.

SECTION J
1 through 70.

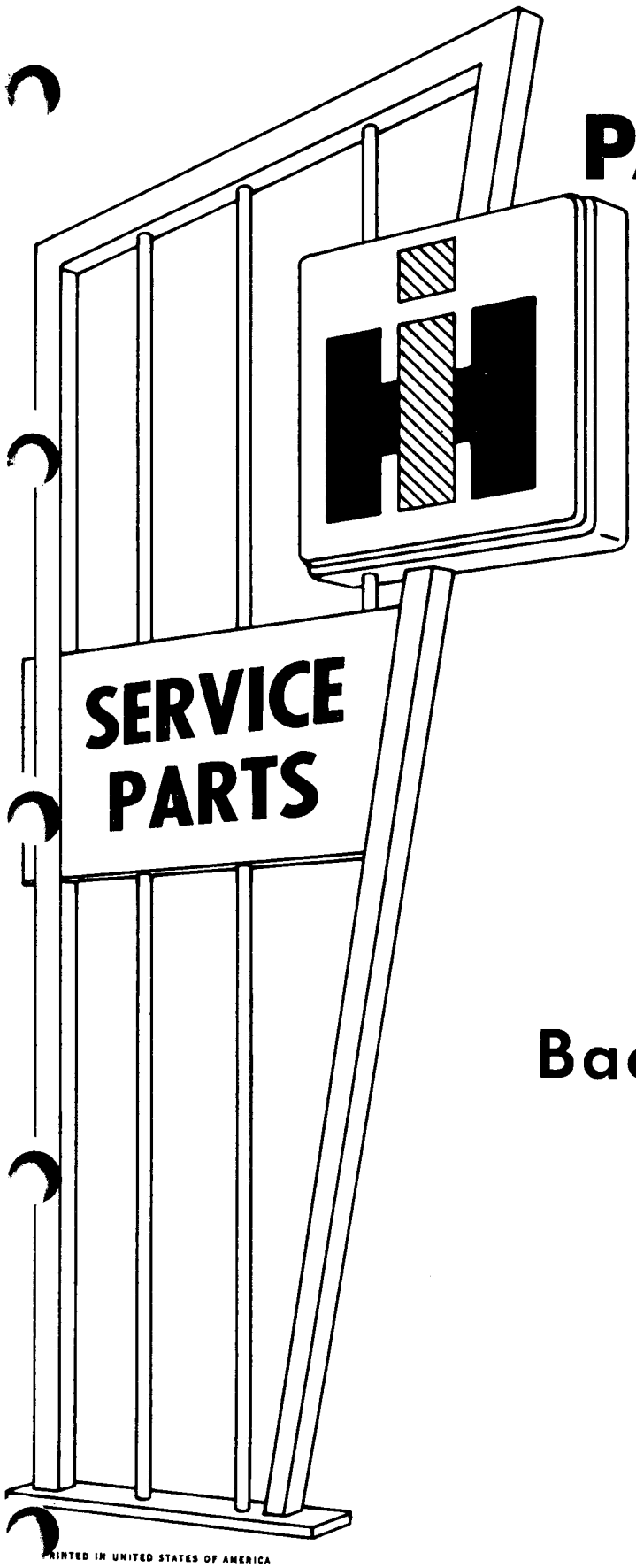
SECTION K
1 through 46.

* SECTION N
Index Divider
1 through 24.

* SECTION P
Index Divider
1 through 22.

NUMERICAL INDEX
1 through 34.

* New Section Added.



PARTS CATALOG

REVISION NO. 21

(Partial revision)

Following is a list of revised and/or supplementary pages. Remove and destroy the old pages with corresponding page numbers and insert the additional new pages sent herewith.

SECTION G

1, 2, 7 through 14, 21 through 34, 39, 40 and 43 through 50.

BKH-1

Backhoes

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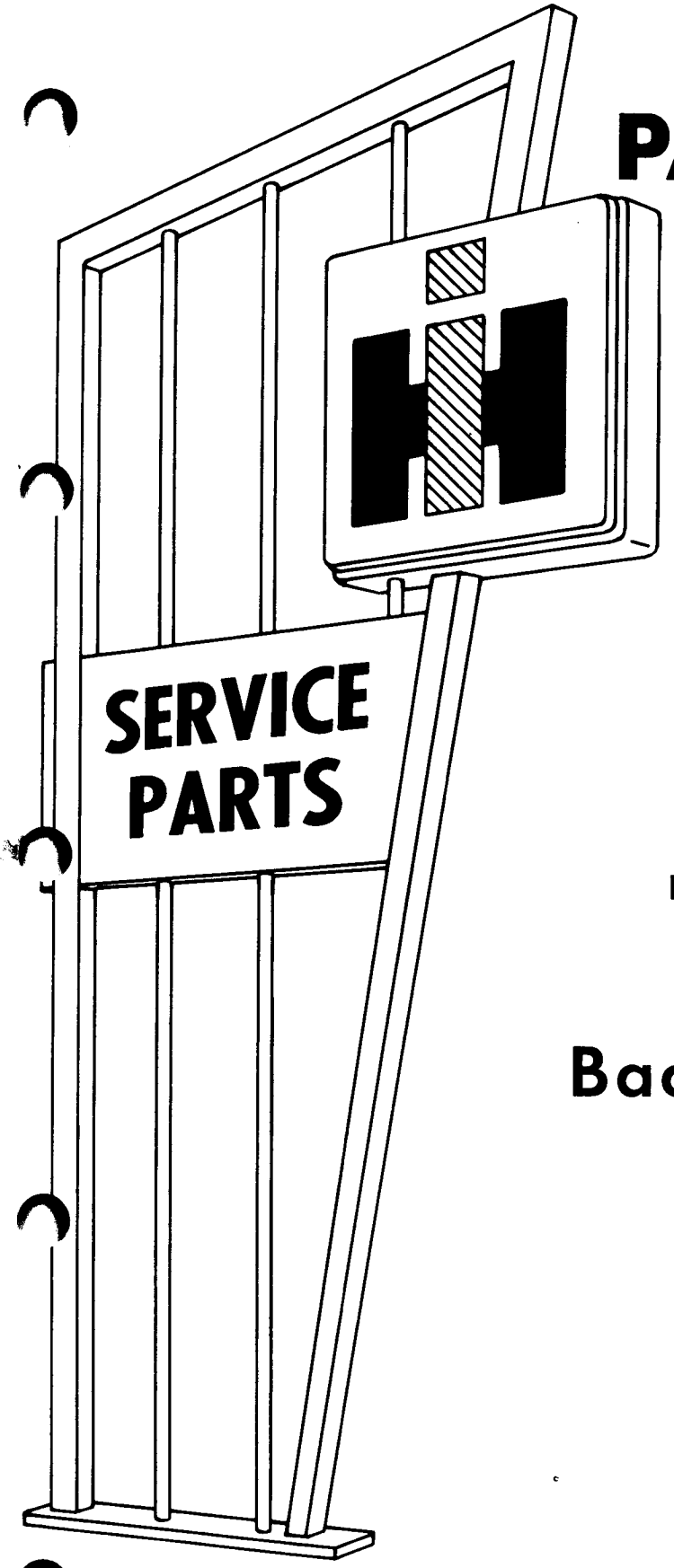

PARTS CATALOG

REVISION NO. 20

(Partial revision)

Following is a list of revised and/or supplementary pages. Remove and destroy the old pages with corresponding page numbers and insert the additional new pages sent herewith.

SECTION G
3, 4.

SECTION H
3, 4.

SECTION J
1 through 72.

SECTION K
1 through 44.

SECTION M
1, 2,
33 through 36.

NUMERICAL INDEX
1 through 34.

BKH-1

Backhoes

Issued 2-'74

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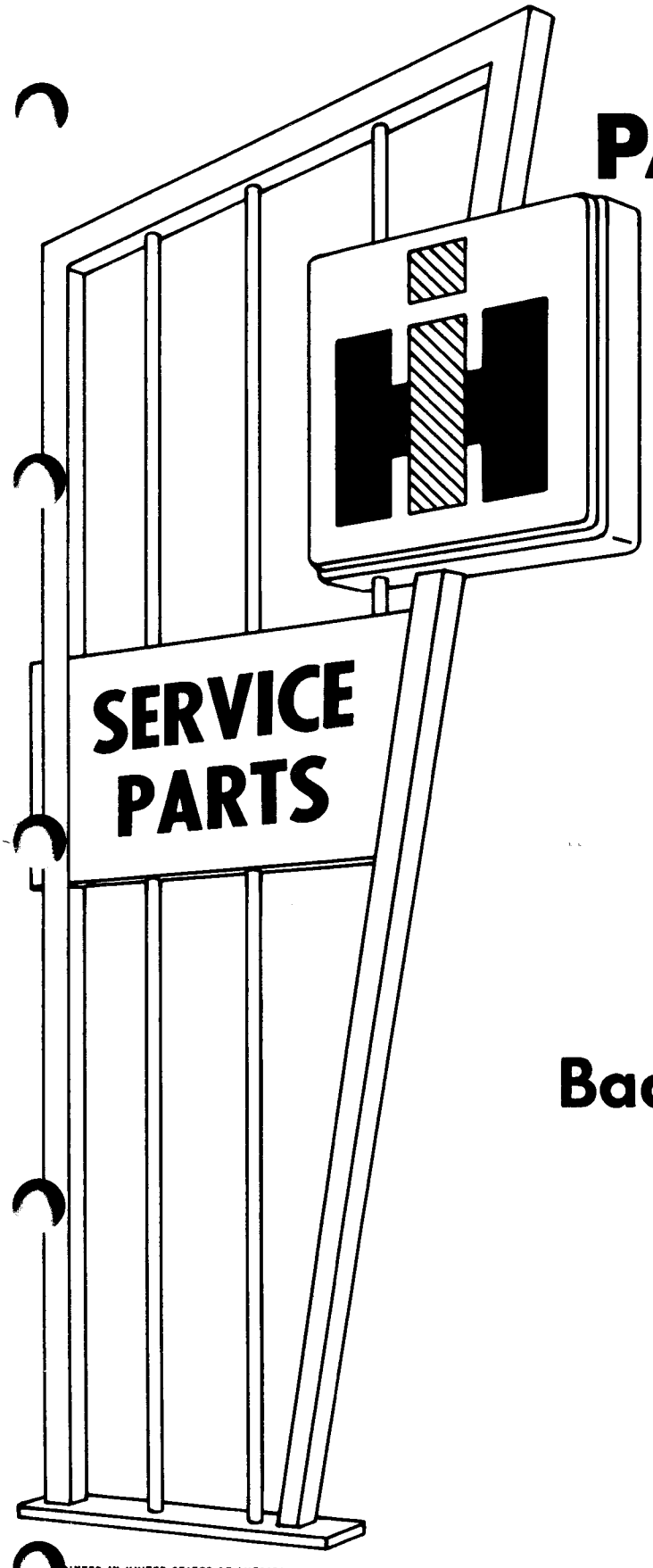

PARTS CATALOG

REVISION NO. 19

(Partial revision)

Following is a list of revised and/or supplementary pages. Remove and destroy the old pages with corresponding page numbers and insert the additional new pages sent herewith.

SECTION G	SECTION M
27, 28.	21, 22.

BKH-1

Backhoes

Issued 3-'73

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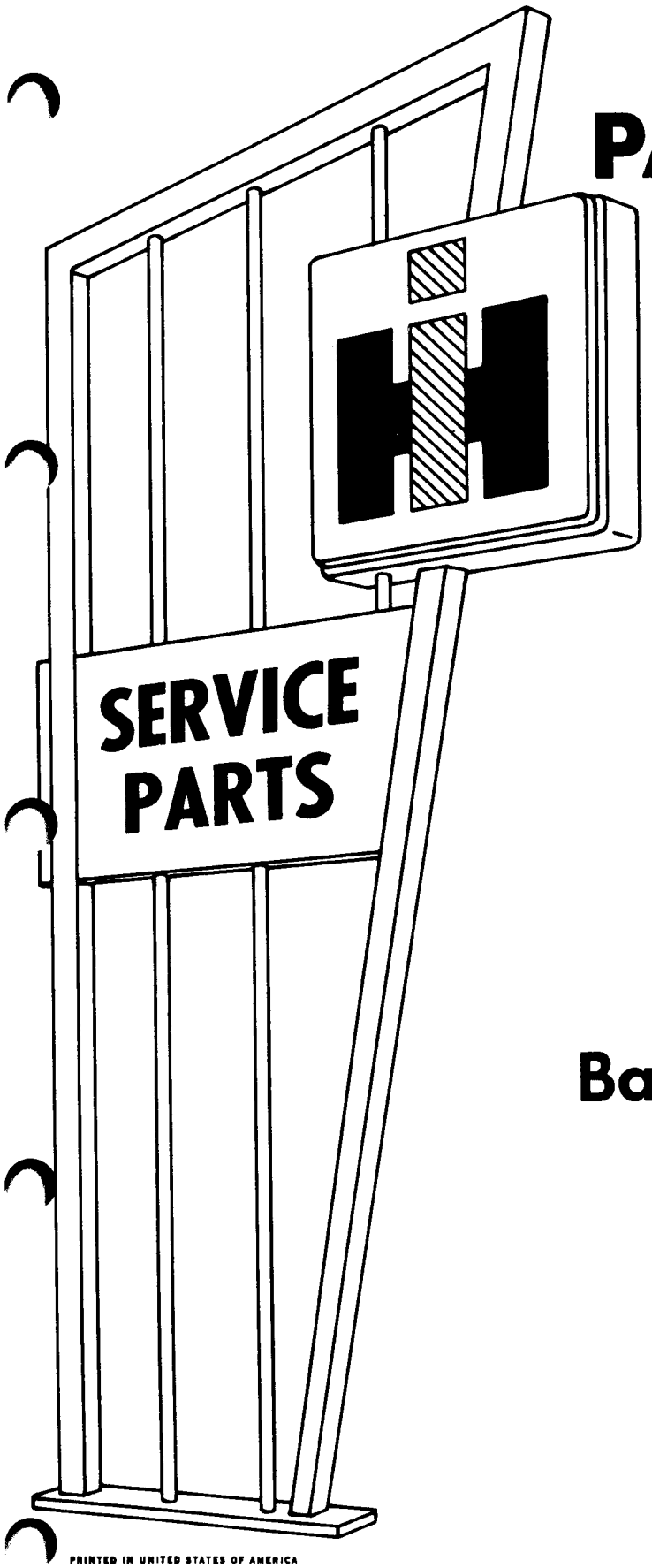

PARTS CATALOG

REVISION NO. 18

(Partial revision)

Refer to the following page for instructions.

BKH-1

Backhoes

Issued 2-'73

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Following is a list of revised and/or supplementary pages. Remove and destroy old pages with corresponding page numbers and insert the additional new pages sent herewith.

SECTION D

1, 2, 9, 10, 11, 12, 97 and 98.

Remove and destroy pages 99 and 100.

SECTION G

1 through 58.

SECTION J

7, 8, 9, 10, 49, 50, 53 and 54.

SECTION K

3, 4, 5, 6, 31 through 38.

SECTION L

1 through 22.

* SECTION M

INDEX DIVIDER

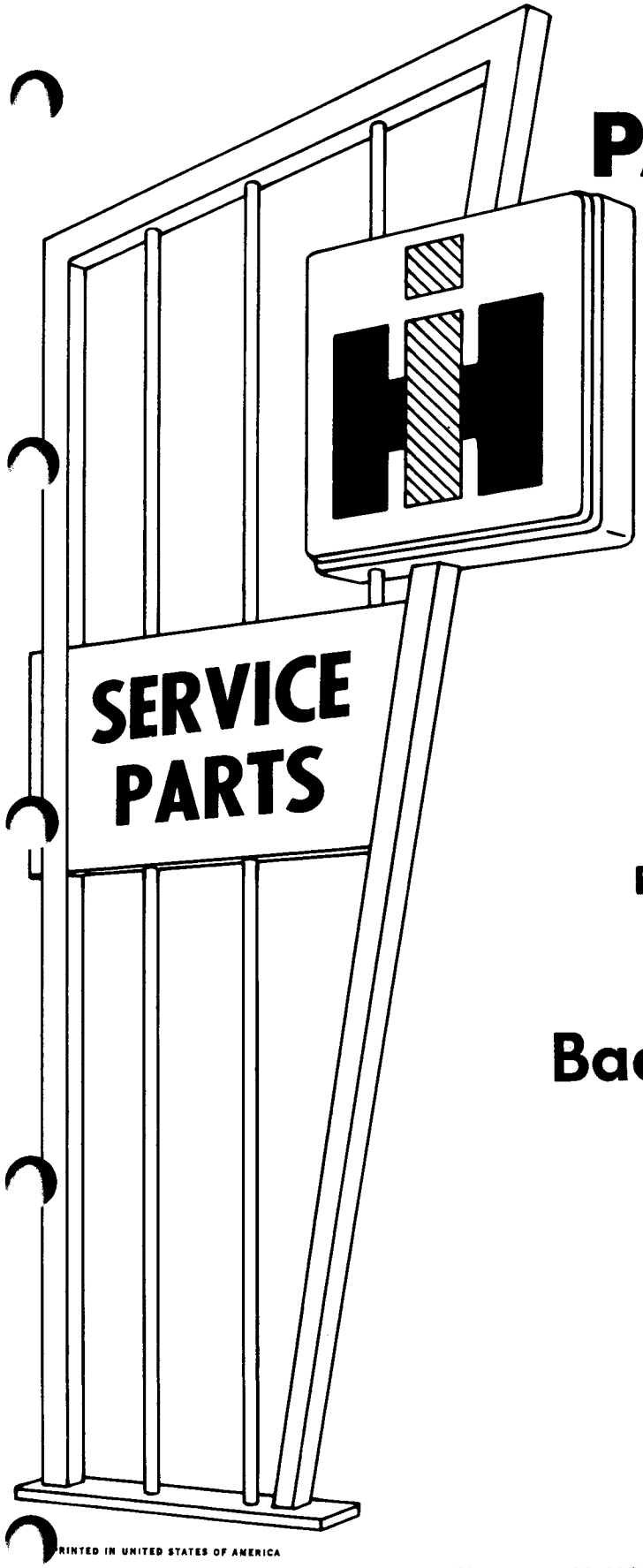
1 through 34.

NUMERICAL INDEX

1 through 32.

Remove and destroy pages 33 through 38.

* New Section Added.



PARTS CATALOG

REVISION NO. 14

This is a complete parts catalog including Revision Nos. 3 through 14.

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Backhoes

Issued 4-72

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The Importance of ADEQUATE PARTS and SERVICE

The wise purchaser of a new machine gives consideration to the following factors:

1. *Original quality*
2. *Availability of service parts*
3. *Availability of adequate service facilities*

In many cases the machine becomes the only means of performing certain tasks that must be done in a limited period of time. Wear and even breakage of parts are to be expected due to operating conditions. However, the user can still be assured of getting his work done on time if service parts and adequate service facilities are available.

Foresighted International Harvester dealers make every effort to provide good service and maintain a completely adequate stock of service parts.

INSTRUCTIONS FOR ORDERING PARTS

(a) All parts orders should be sent to the parts depot. Give complete address, state the county and railroad station (when shipping point is different than post office), also whether shipment is to go by parcel post, express, truck, or freight.

(b) When ordering parts, give the IH part number, including suffix or prefix letters. To facilitate identification of these parts, "Serial Numbers" assigned to machines, if any, should be furnished.

(c) Parts should be ordered on the standard parts order blank. The parts should be arranged in sequence by part numbers to facilitate service on orders at the parts depot.

(d) Claims for shortage or error in the handling of an order for parts must be made within 30 days following receipt of shipment.

All illustrations and descriptive matter in this publication apply to International Harvester products sold under the International, McCormick, or McCormick-International trade name.

It is the policy of International Harvester Company to improve its products whenever it is possible and practical to do so.

We reserve the right to make changes or add improvements in the design or construction of parts at any time without incurring the obligation to install such changes on products previously delivered.

INTRODUCTION

This catalog contains a complete list of service parts for International Industrial Equipment Backhoe.

This issue replaces the IND-4 Parts Catalog which should be destroyed immediately.

As new Backhoes are developed and introduced to the territory, or when changes are made on equipment already listed herein, new and/or revised loose-leaf pages will be issued.

Following is a brief summary of the system used in compiling this catalog. It is to your advantage to carefully study this summary.

(1) GENERAL. This catalog is divided into sections with each section containing a complete listing of service parts for one or more Backhoes. Each section is preceded by an Index Divider which lists the Backhoe models. The Index Dividers and the section pages are identified by a section designation (Section A, Section B, etc.) which governs the sequence of the parts listings in the catalog.

NOTE: The letters "I", "O", and "Z" are not used to designate sections due to the similarity to the numeric "1", "0" and "2".

(2) INDEXES. There are two types of indexes in this catalog, viz.

A. Separate Index to Units for each implement which includes -
   (1) Equipment Illustration.
   (2) Equipment model designation and description.
   (3) Years built.
   (4) Basic units comprising equipment (If applicable).
   (5) Mounting frames or completing packages, adapting a basic machine to specific tractor models (If applicable).
   (6) Attachments.
   (7) Conversion packages.

B. Numerical Index of part numbers (excluding standard fasteners) at the end of the catalog. In the "Page" column of this index, the page number is preceded by a letter which denotes the section in which the part number is listed.

(3) ILLUSTRATIONS. The "Exploded View" method which is used in this catalog, illustrates the parts in groups or units. Reference numbers correspond to those in the reference number column in the list of parts associated with each "Exploded View". Unnumbered parts are the same as corresponding parts with reference numbers shown elsewhere in the illustrations.

CAUTION: Reference numbers are not used when ordering parts. Always use International Harvester part numbers and/or descriptions when ordering.

(4) PARTS LIST. The parts lists following Index to Units, are divided into groups or units and consist of -

(a) Description of units.
(b) Exploded views of units.
(c) List of individual service parts and assemblies keyed to the exploded views for easy identification.
(d) Description of service parts, with information as needed to cover years used, supersedence, optional notations, serial numbers (if any), etc.
(e) Quantity, where necessary, of each individual part used in the unit. Where no quantity is indicated it should be understood to mean that only "-1-" is used.

Appropriate references are made throughout the parts listings, when necessary, to explain peculiarities.

When complete units or individual parts of a unit are "closed-off" and/or are replaced by new parts, the information is reflected either by "Years Used" or by "Serial Number". The information which is peculiar to the production of the equipment is shown as part of the unit heading for complete units, or following the description for individual parts of a unit.

The assemblies are shown in the unit lists together with their component parts wherever these assemblies cannot adequately be identified with a reference number in the illustration. In some cases the individual parts of an assembly are not available for service because disassembly of the components is considered impractical. Such parts are marked with the symbol "$" or "§".

Whenever the terms "right" or "left" and "front" or "rear" are used, it should be understood to mean from a position behind and facing the equipment.

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Pneumatic tires and tubes shown in this catalog are not supplied as service parts. These items must be purchased locally.

(5) PART NUMBERS. General information covering the International Harvester parts numbering system is outlined in the pamphlet "What is a Parts Number?" which has been distributed throughout the company operations.

(6) MISCELLANEOUS PARTS. In many instances parts which appear in an "Exploded View", such as standard bolts, screws, nuts, etc., are not identified by a reference number. These parts are known as COMMON HARDWARE items and appear in abbreviated nomenclature indented under the major items with which they are used. They must be ordered separately as they are not component parts of the pieces they attach.

The part numbers of commonly available hardware items are omitted. Other common hardware items are shown with part numbers to facilitate identification. Design hardware items will continue to be listed by part number and description. WARNING: Do not substitute standard hardware parts for them.

The following rules are established to govern the listing of attaching parts:

All carriage, machine, and plow BOLTS; NUTS, and cap, machine and set SCREWS are furnished with Unified Coarse Thread, unless otherwise specified.

All NUTS are "hex.", unless otherwise specified.

All WASHERS are "Plain", unless otherwise specified. The "ID", "OD", and "No." identities are eliminated. The inside dimension is listed first, followed by the outside diameter and then the thickness.

All lock WASHERS are "Medium" type, unless specified as "Light" or "Heavy".

All cotter PINS are "Extended-Prong", unless otherwise specified.

All Groov PINS are "Standard Groove", unless otherwise specified.

All common RIVETS are "Annealed", unless otherwise specified.

Standard bolts used in International Harvester Products conform to national and industry standards. Screw threads used on these bolts are known as Unified Screw Threads and are identified by the letter combination "UN" in the thread symbol. Unified Coarse-Thread series are designated "UNC". Unified Fine-Thread series are designated "UNF". The number of threads per inch for various diameters are shown in the table below:

Diameter of Bolt	No. of Threads per inch (UNC)	No. of Threads per inch (UNF)
1/4"	20	28
5/16"	18	24
3/8"	16	24
7/16"	14	20
1/2"	13	20
9/16"	12	18
5/8"	11	18
3/4"	10	16
7/8"	9	14
1"	8	14
1-1/8"	7	12
1-1/4"	7	12
1-3/8"	6	12
1-1/2"	6	12

All countersunk-head tubular RIVETS are "Copper-Plated Steel", unless otherwise specified.

All oval-head tubular RIVETS are "Brass".

(7) ABBREVIATIONS. The abbreviations used in this catalog are explained in the list of abbreviations on page III.

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LIST OF ABBREVIATIONS

A period after the abbreviation is used only when the abbreviation form spells a common English word.

adj	adjustable
al	aluminum
ast	alloy steel
amp	ampere, amperes
anl	annealed
approx	approximately
assy	assembly
att	attachment
bd-hd	binding head
b-hd	button head
brg	bearing
brs	brass
brz	bronze
cd-pltd	cadmium plated
cd-pltd-stl	cadmium plated steel
C-Z	cadmium or zinc plated
cr-pltd	chromium plated
cr-pltd-stl	chromium plated steel
CI	cast iron
csk	countersunk
csk-hd	countersunk head
cl-rec-hd	clutch recess head
com	common
cone-pt	cone point
cont	continued
cop	copper
cpl	copper plated
cot.	cotter
c-pin	cotter pin
cres	corrosion-resistant-steel (stainless)
cr-rec-hd	cross recess head
cre	corrosion resisting
crg	carriage
cup-pt	cup point
cyl	cylinder, cylinders
deg	degree
dia	diameter
dld	drilled
dld-f/c-pin	drilled for cotter pin
dld-f/lkg-wire	drilled for locking wire
dog-pt	dog point
ext	external
f/	for
fem	female
fil-hd	fillister head
fin-nk	fin neck
f-csk-hd	flat countersunk head
f-fil-hd	flat fillister head
f-hd	flat head
f-pt	flat point
flex.	flexible
fltd	fluted
ft	foot, feet
ga	gauge
hd	head
hdls	headless
hex.	hexagon
hex-hd	hexagon head
hex-soc-hd	hexagon socket head
hp	horsepower
hv	heavy
hyd	hydraulic
ID	inside diameter
in.	inch, inches
int	internal
lb	pound, pounds
lentil-hd	lentil head
LH	left hand
lkg	locking
LP Gas	Liquefied Petroleum Gas
lub	lubrication
mach.	machine
med	medium
MI	malleable iron
NC	National Coarse (thread)
NF	National Fine (thread)
ni	nickel
ni-pltd-stl	nickel plated steel
No.	number
NPT	National pipe thread
OC	outside circumference
OD	outside diameter
O/S	oversize
ov-hd	oval head
oz	ounce, ounces
parkerized-stl	parkerized steel
pkg	package
pltd	plated
pt	point
PTO	power take-off
rd-end	round end
rd-hd	round head
rd-pt	round point
reg	regular
RH	right hand
RPM	revolutions per minute
SAE	Society of Automotive Engineers
sf	semi-finished
slt	slotted
slt-hd	slotted head
slt-bd-hd	slotted binding head
slt-fil-hd	slotted fillister head
slt-f-hd	slotted flat head
slt-hex-hd	slotted hexagon head
slt-pan-hd	slotted pan head
slt-rd-hd	slotted round head
slt-truss-hd	slotted truss head
sq	square
sq-hd	square head
sq-nk	square neck
std	standard
std-hd	standard head
stl	steel
str	straight
T	teeth
tap.	tapping
thd	thread
UNC	Unified Coarse (thread)
UNF	Unified Fine (thread)
U/S	undersize
unfin	unfinished
wb-hd	wagon box head
w/	with
w/brz	with bronze
w/hex.	with hexagon
w/o	without
zn	zinc
zn-ct	zinc coated
zn-pltd	zinc plated

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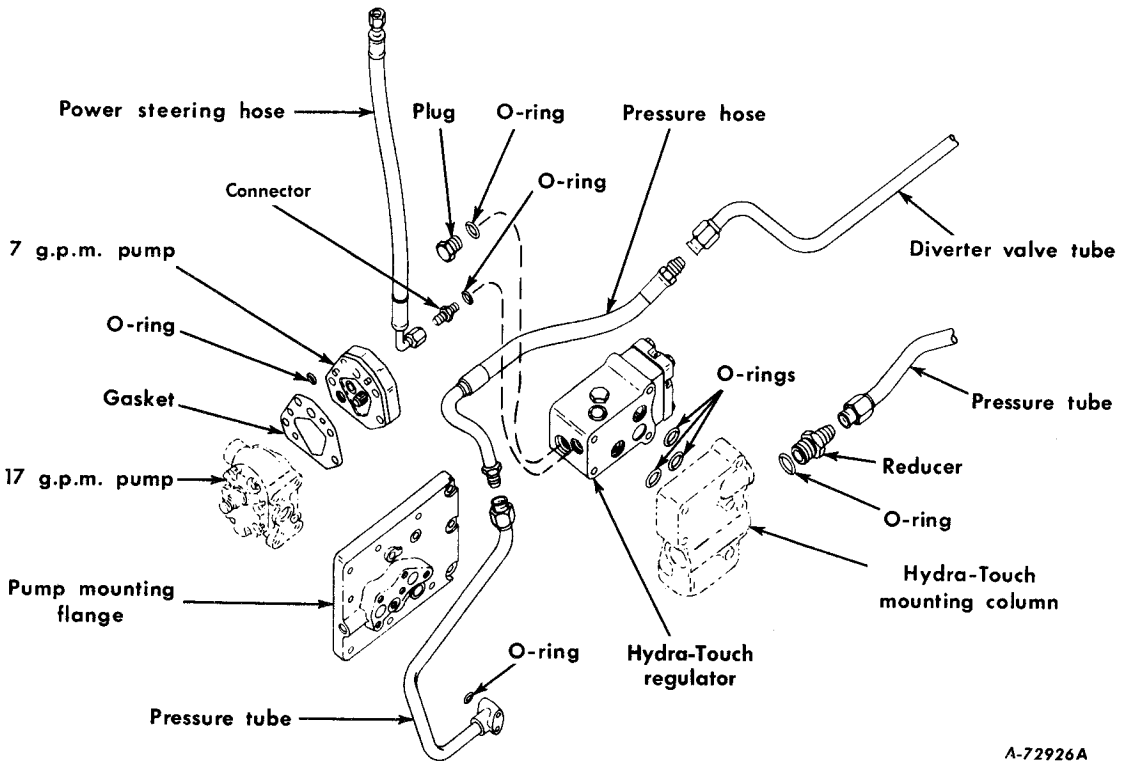

Hydraulic Pump, Pump Mounting Flange, Hydra-Touch Mounting Column, Regulator, Tube and Hoses.

(For International 3120, 3130 and 3140 Backhoe when used in combination with International 2000 and 3000 Loaders for International 340 and 460 Tractors)

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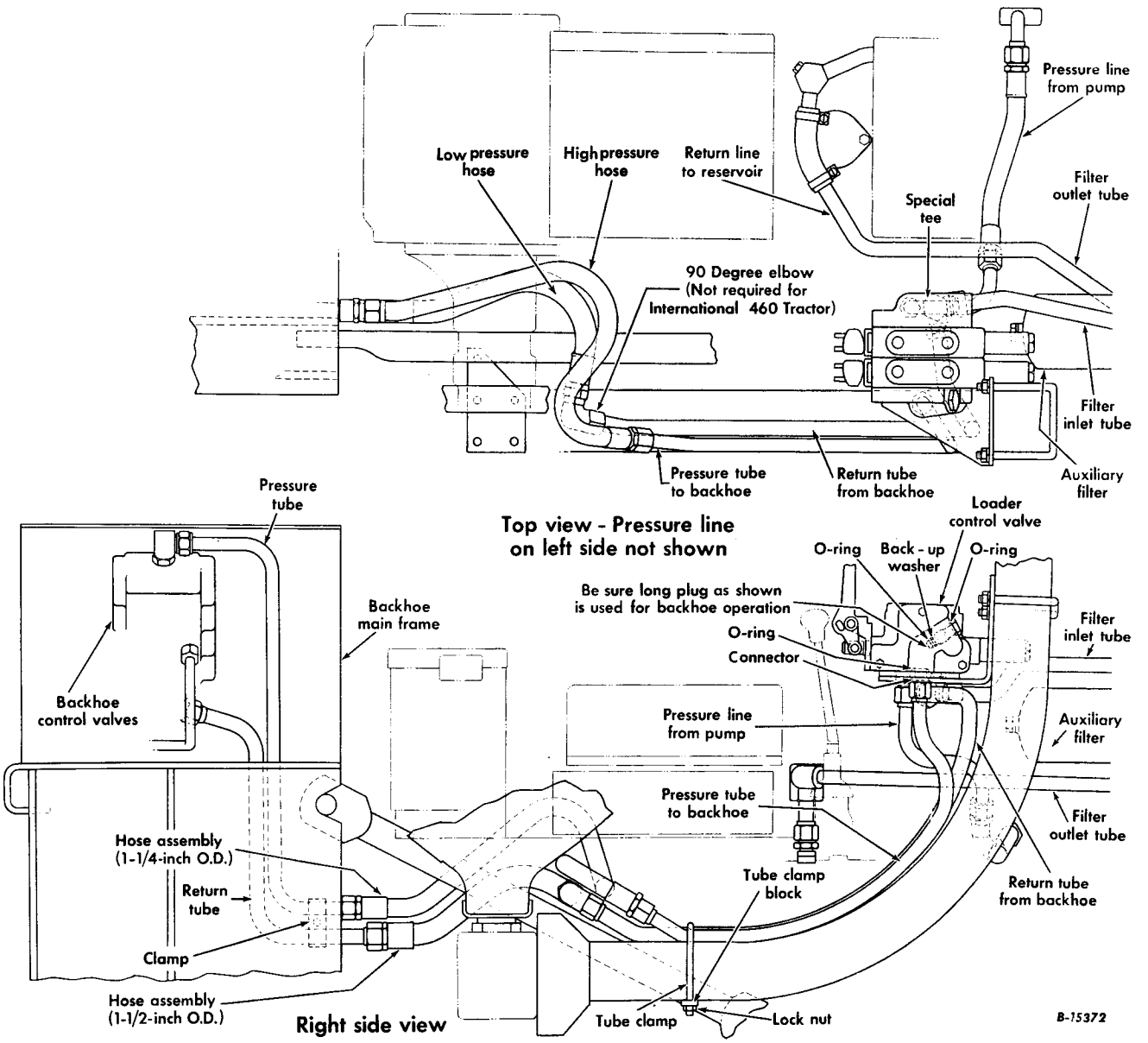

Tractor to Backhoe Main Frame Hydraulic Connections

(For International 3120, 3130 and 3140 Backhoes when used in combination with International 2000 and 3000 Loaders for International 340 and 460 Tractors)

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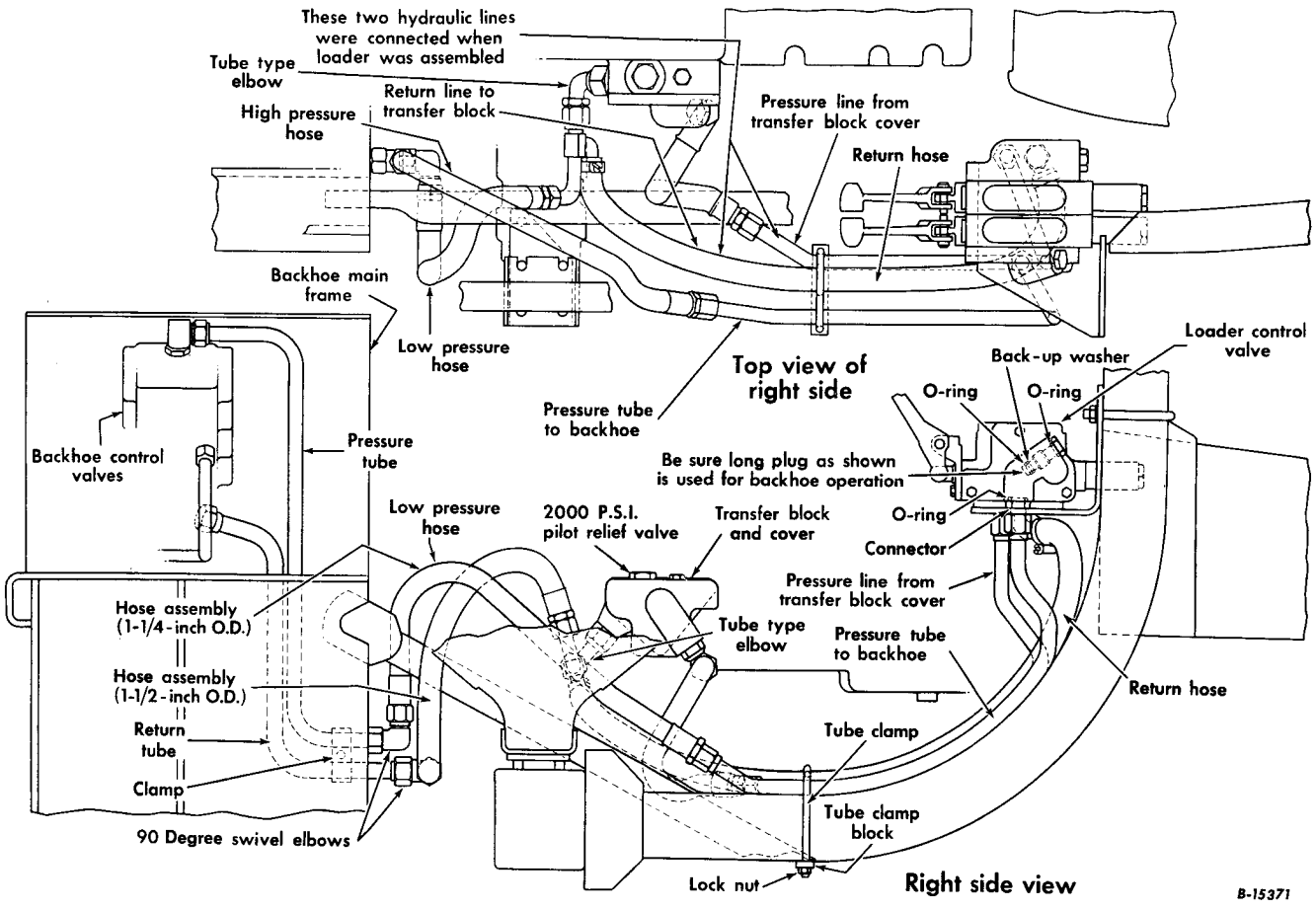

Tractor to Backhoe Main Frame Hydraulic Connections

(For International 3120, 3130 and 3140 Backhoes when used in combination with International 2000 and 3000 Loaders for International 504, 2504, 606 and 2606 Tractors)

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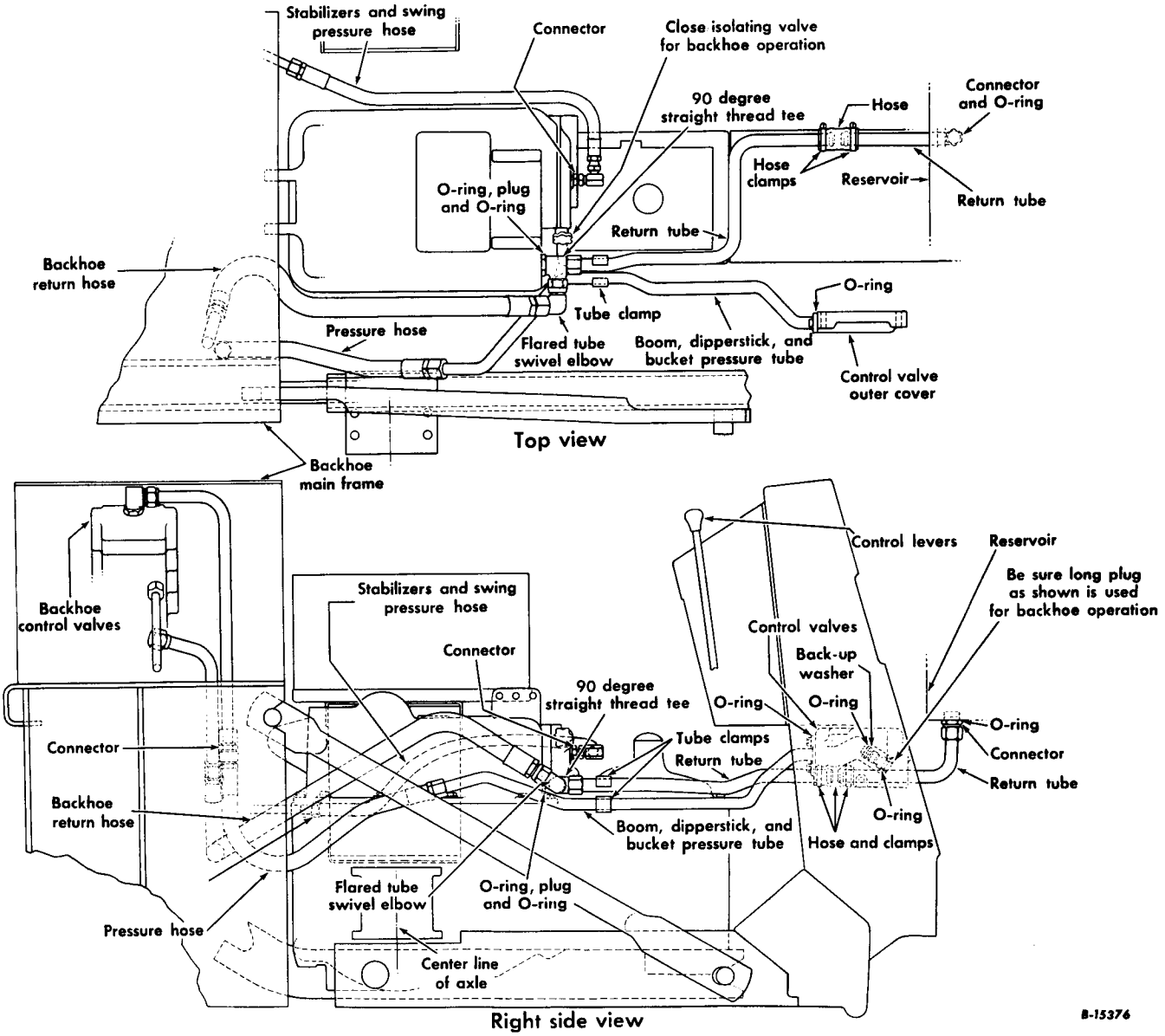

Hydraulic Connections

(For International 3120, 3130 and 3140 Backhoes when used with International 3414 Loader Tractor with Hydraulic Lift and Tandem Hydraulic Pump)

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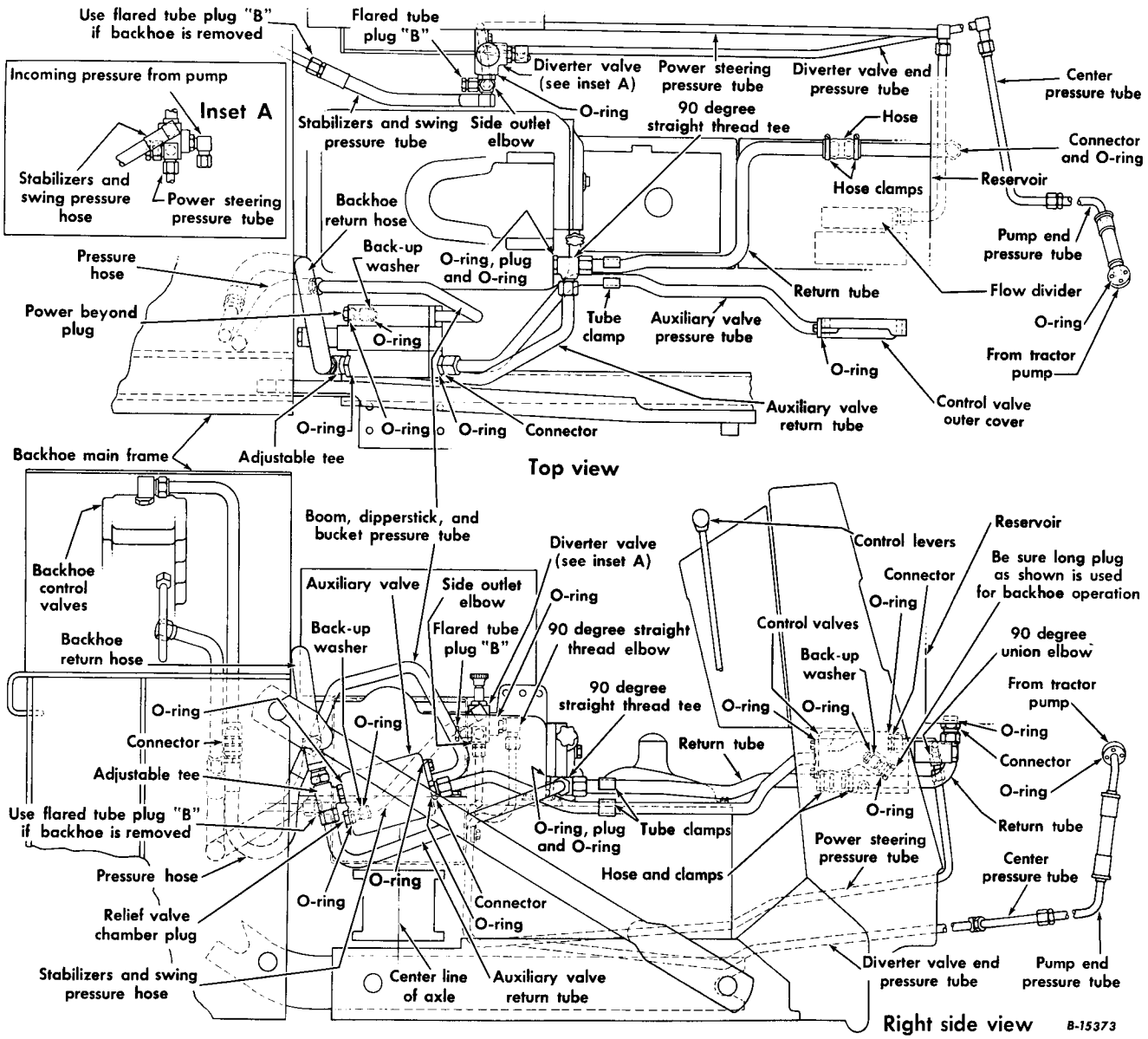
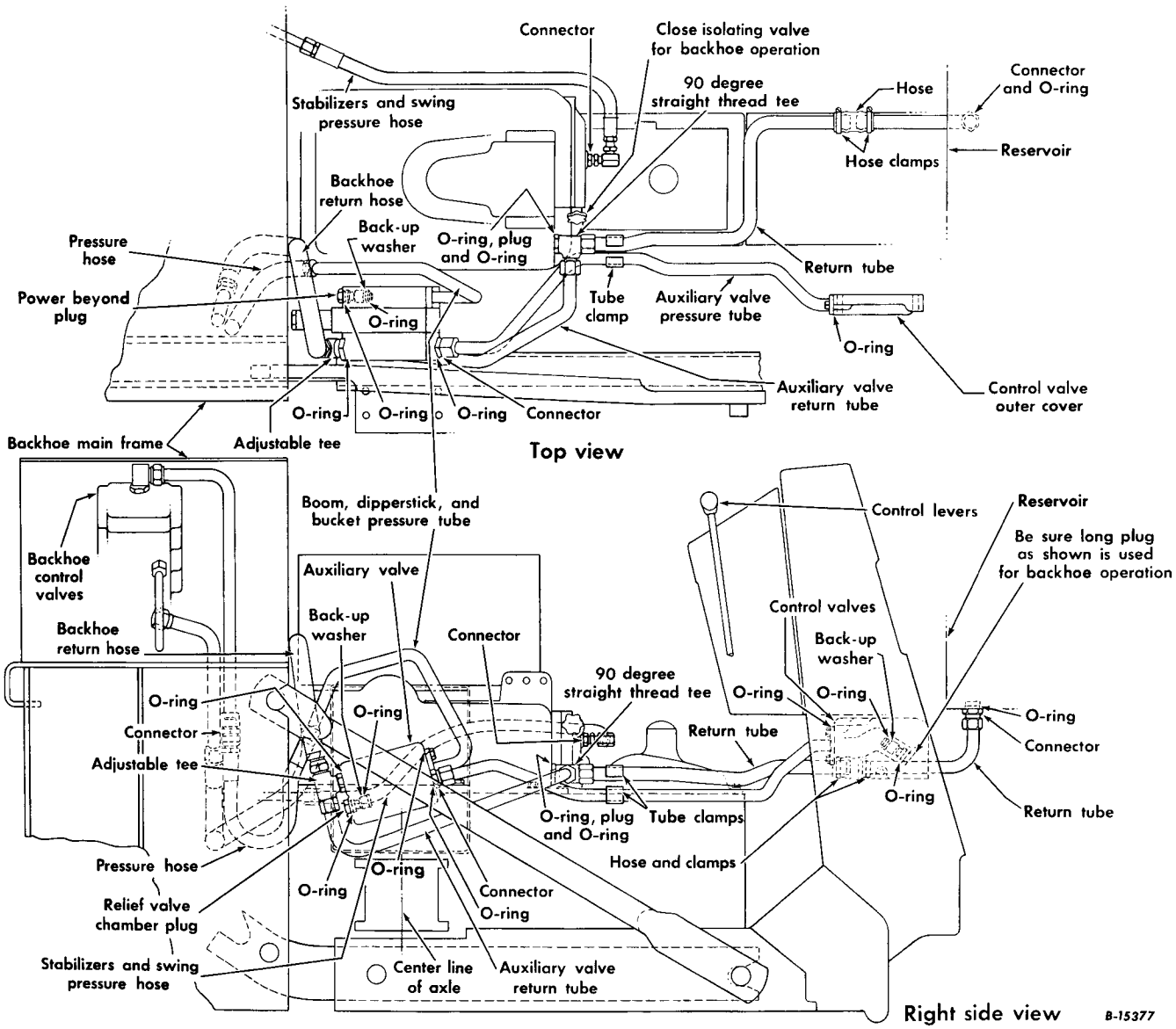


Hydraulic Connections

(For International 3120, 3130 and 3140 Backhoes when used with International 3414 Loader Tractor with Auxiliary Valve, Hydraulic Lift and Tandem Hydraulic Pump)



Hydraulic Connections

(For International 3120, 3130 and 3140 Backhoes when used with 3414 Loader Tractor with Auxiliary Valve, Hydraulic Lift and Tandem Hydraulic Pump)

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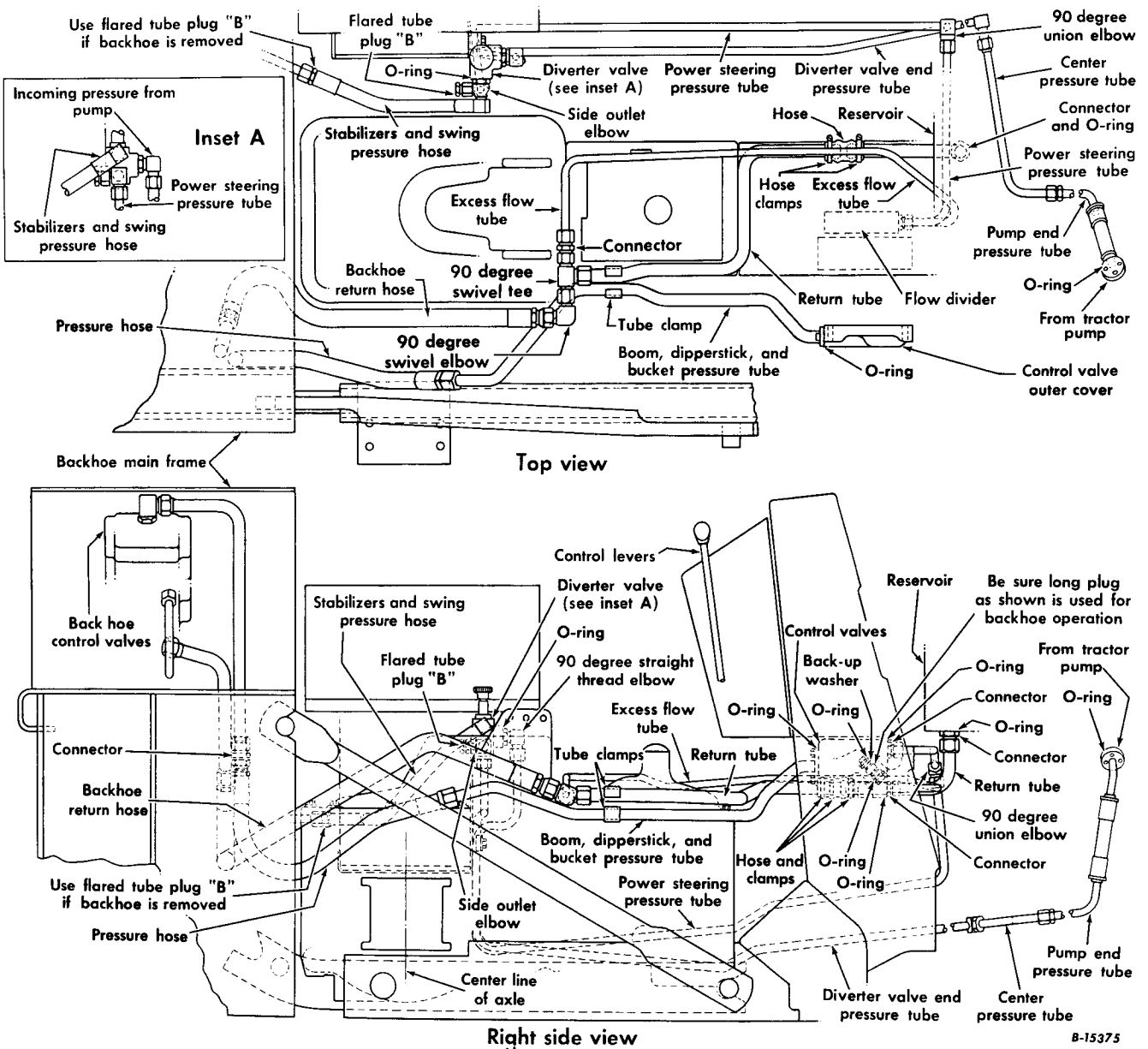

Hydraulic Connections

(For International 3120, 3130 and 3140 Backhoes when used with International 3414 Loader Tractor with 9 GPM Hydraulic Pump but without Hydraulic Lift)

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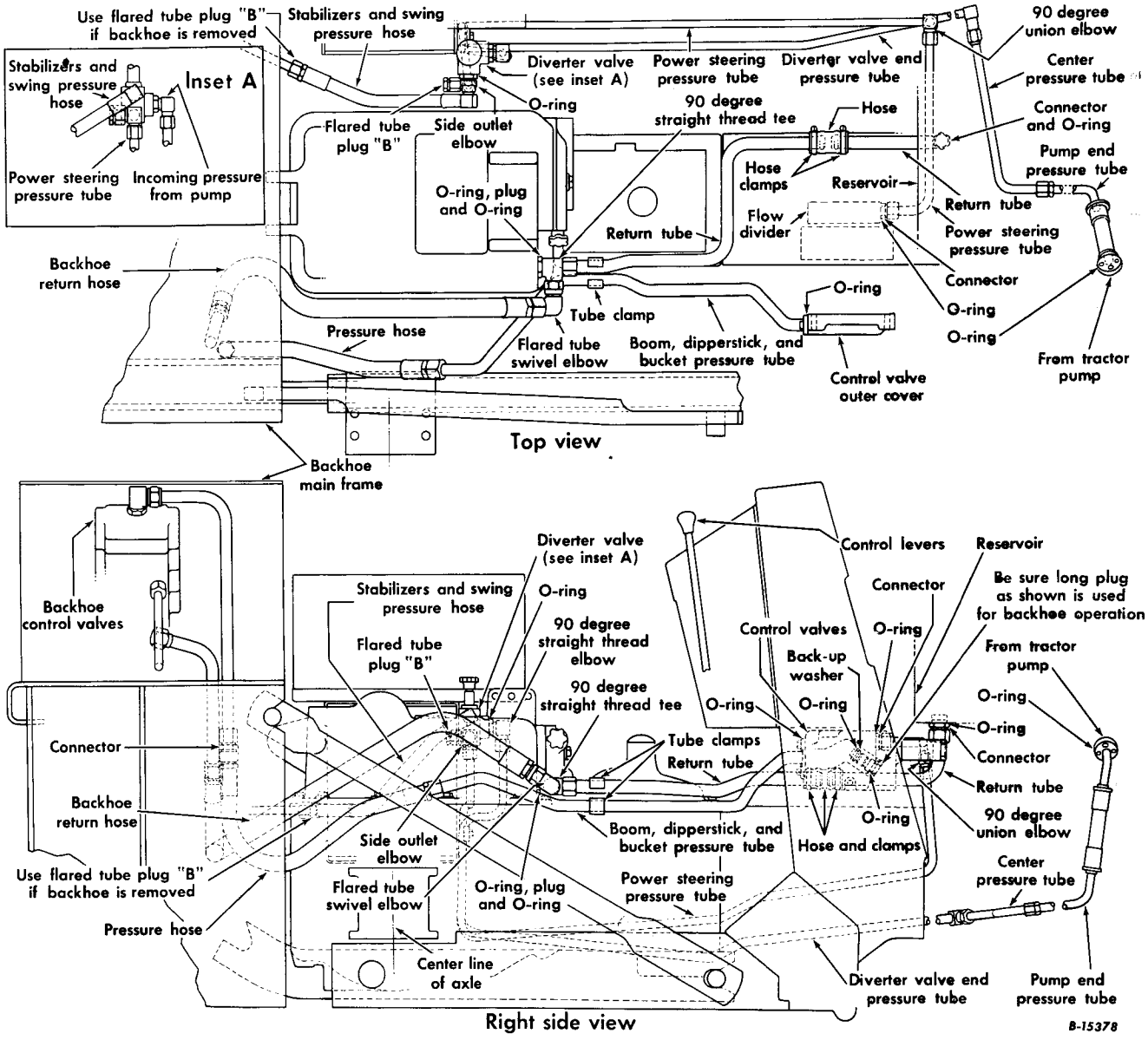

Hydraulic Connections

(For International 3120, 3130 and 3140 Backhoe when used with International 3414 Loader Tractor with Hydraulic Lift and 9 GPM Hydraulic Pump)

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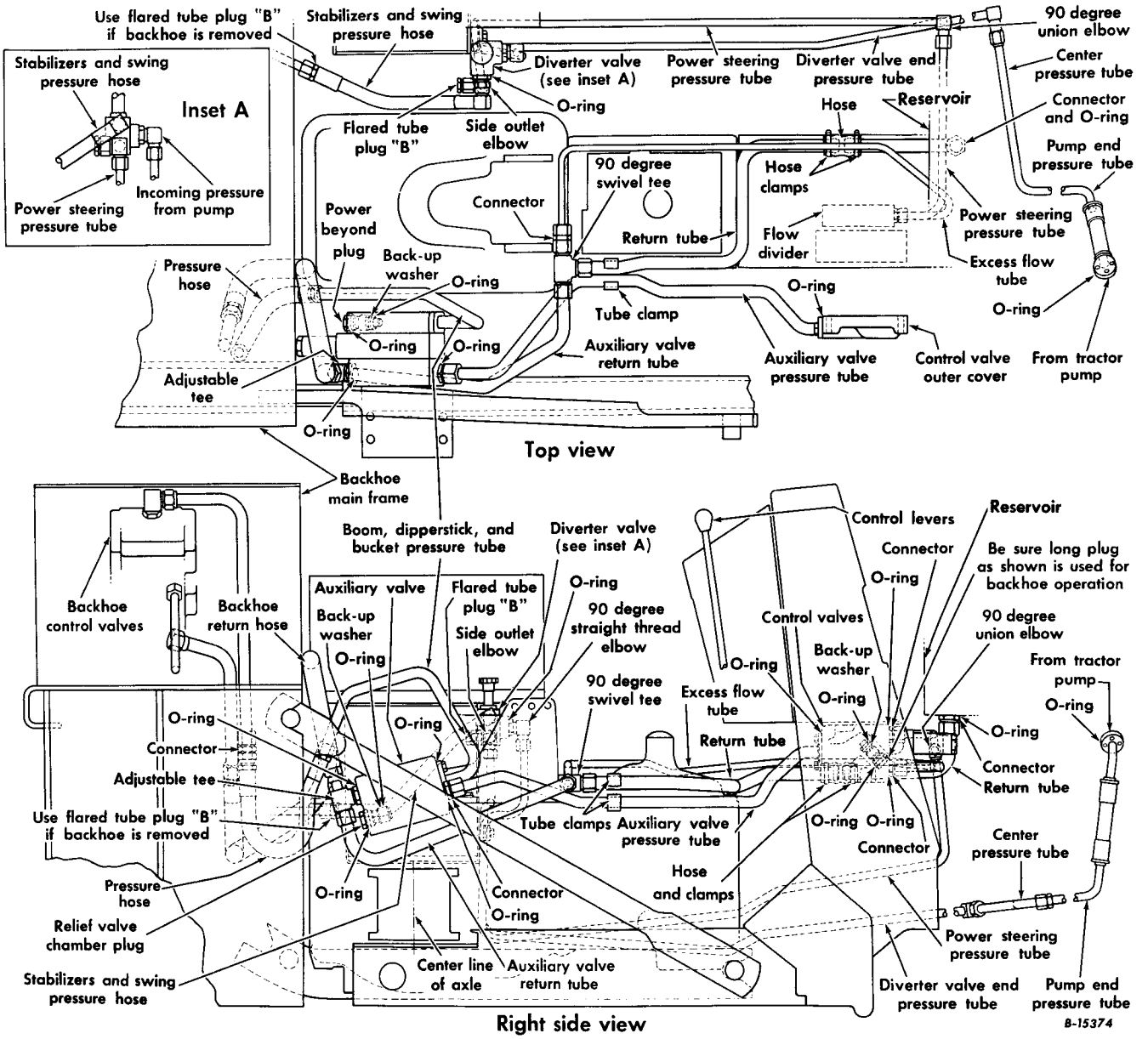

Hydraulic Connections

(For International 3120, 3130 and 3140 Backhoes when used with International 3414 Loader Tractor with Auxiliary Valve, 9 GPM Hydraulic Pump but without Hydraulic Lift)

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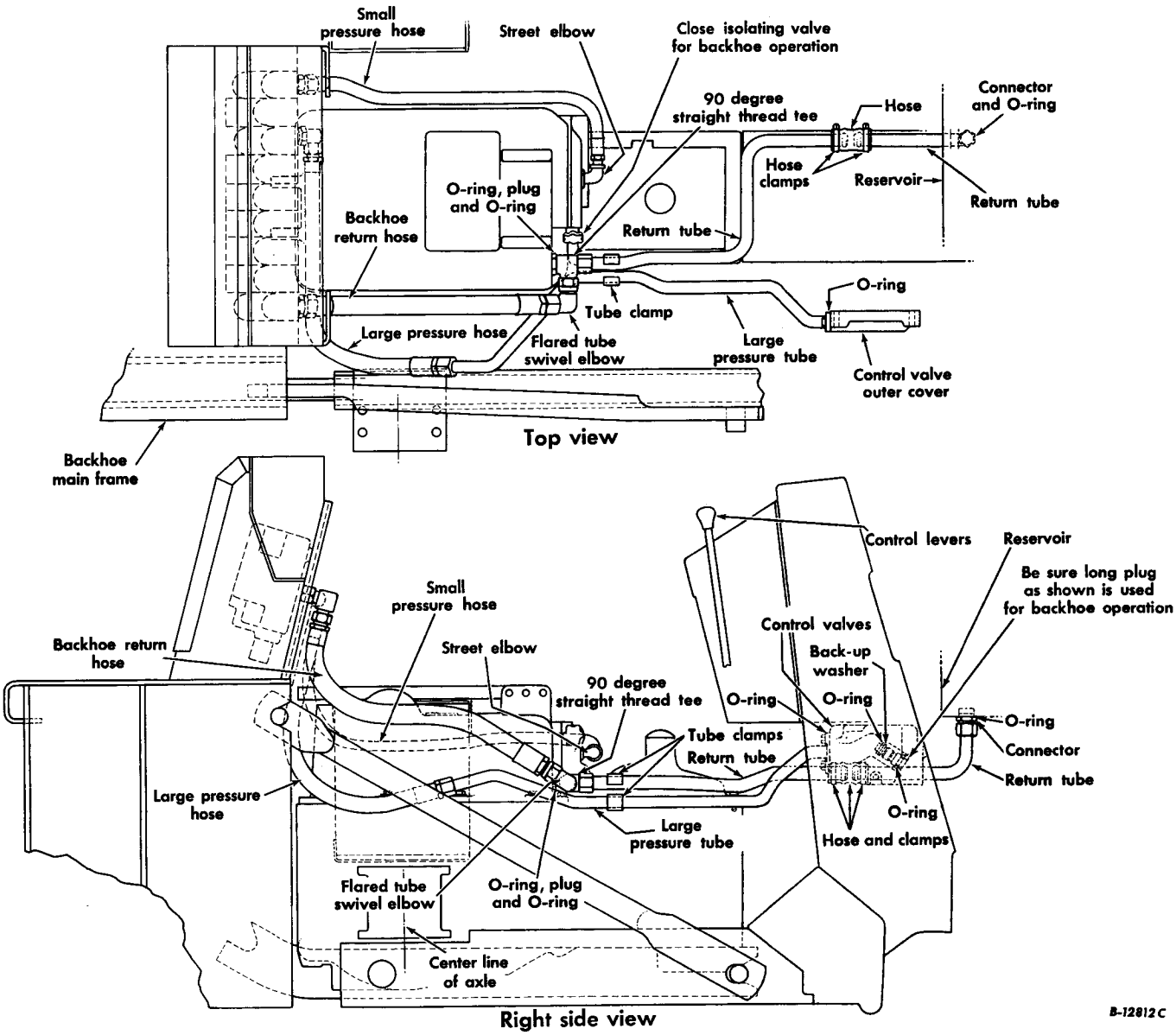
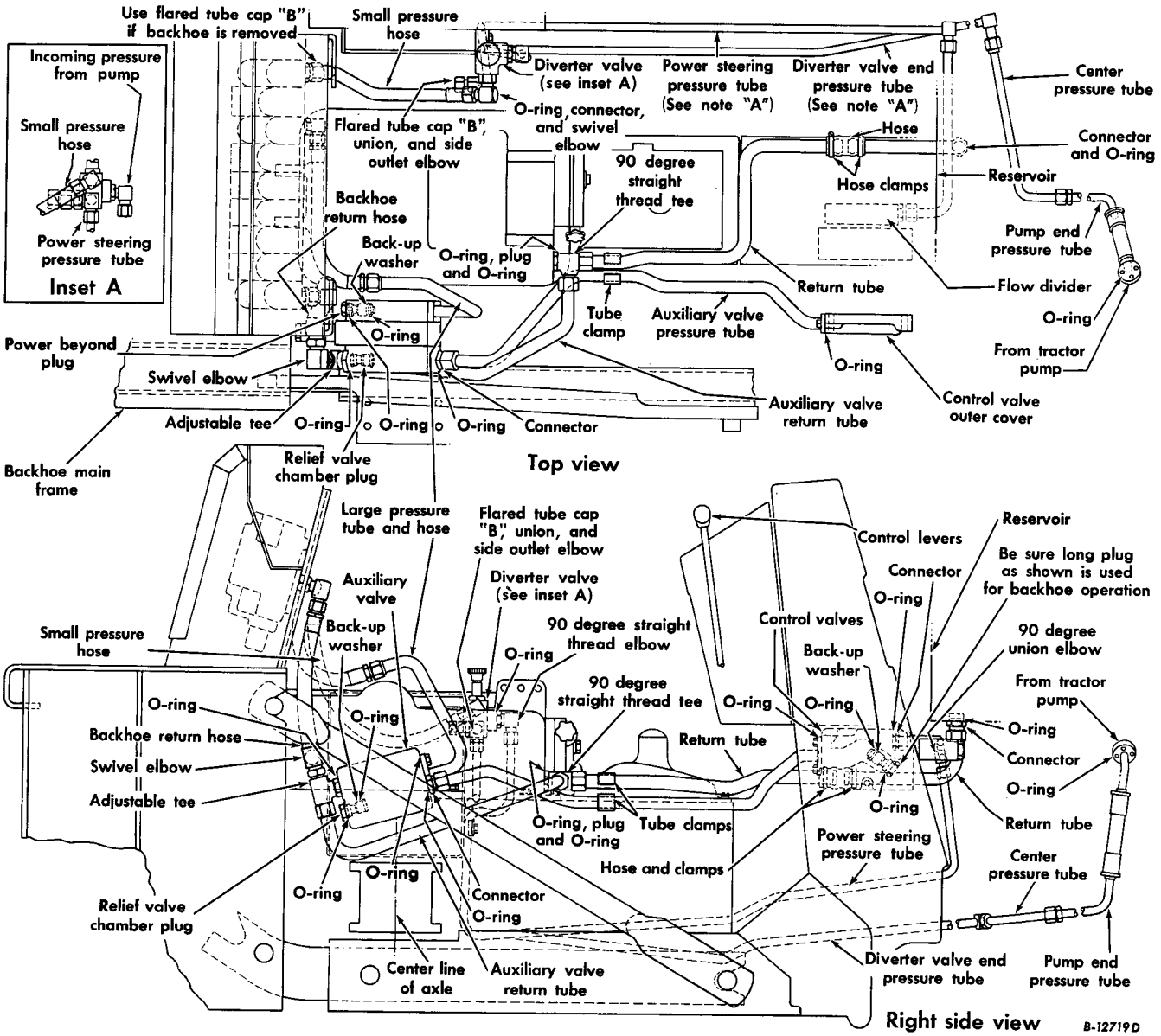


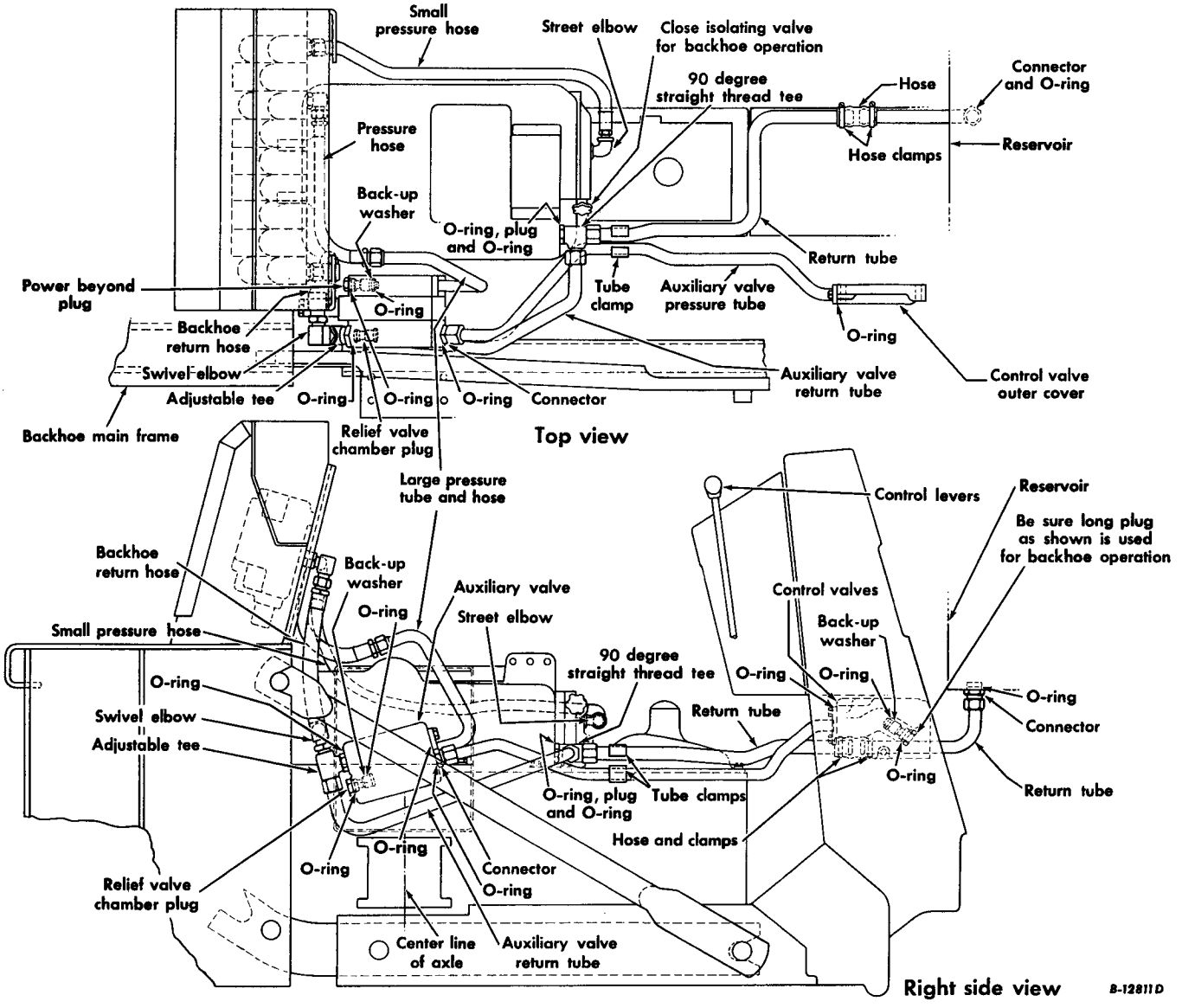
Hydraulic Connections

(For International 3121, 3131 and 3141 Backhoes when used with International 3414 Loader Tractor with Hydraulic Lift and Tandem Hydraulic Pump)



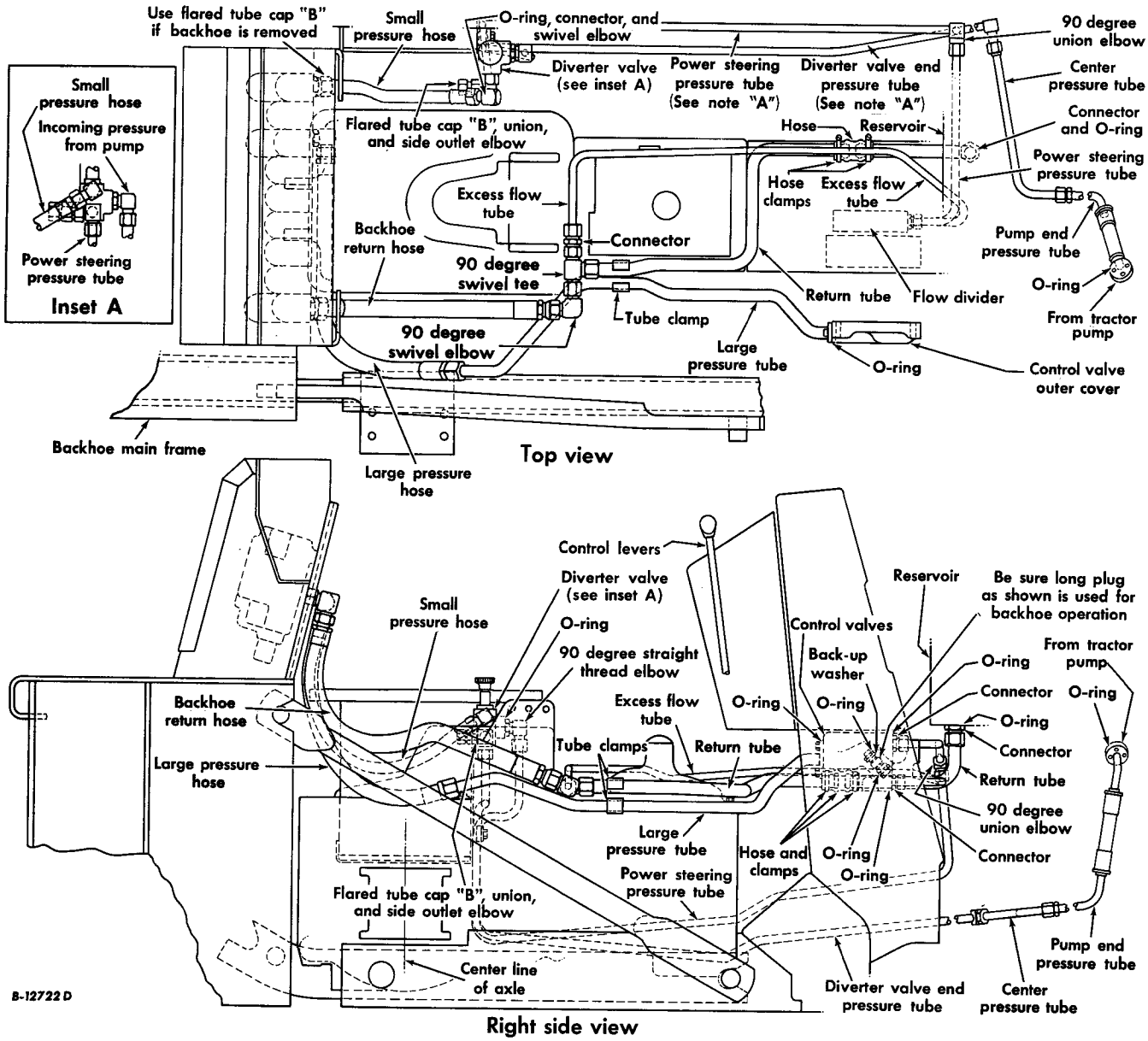
Hydraulic Connections

(For International 3121, 3131 and 3141 Backhoes when used with International 3414 Loader Tractor with Auxiliary Valve, Hydraulic Lift and Tandem Hydraulic Pump)



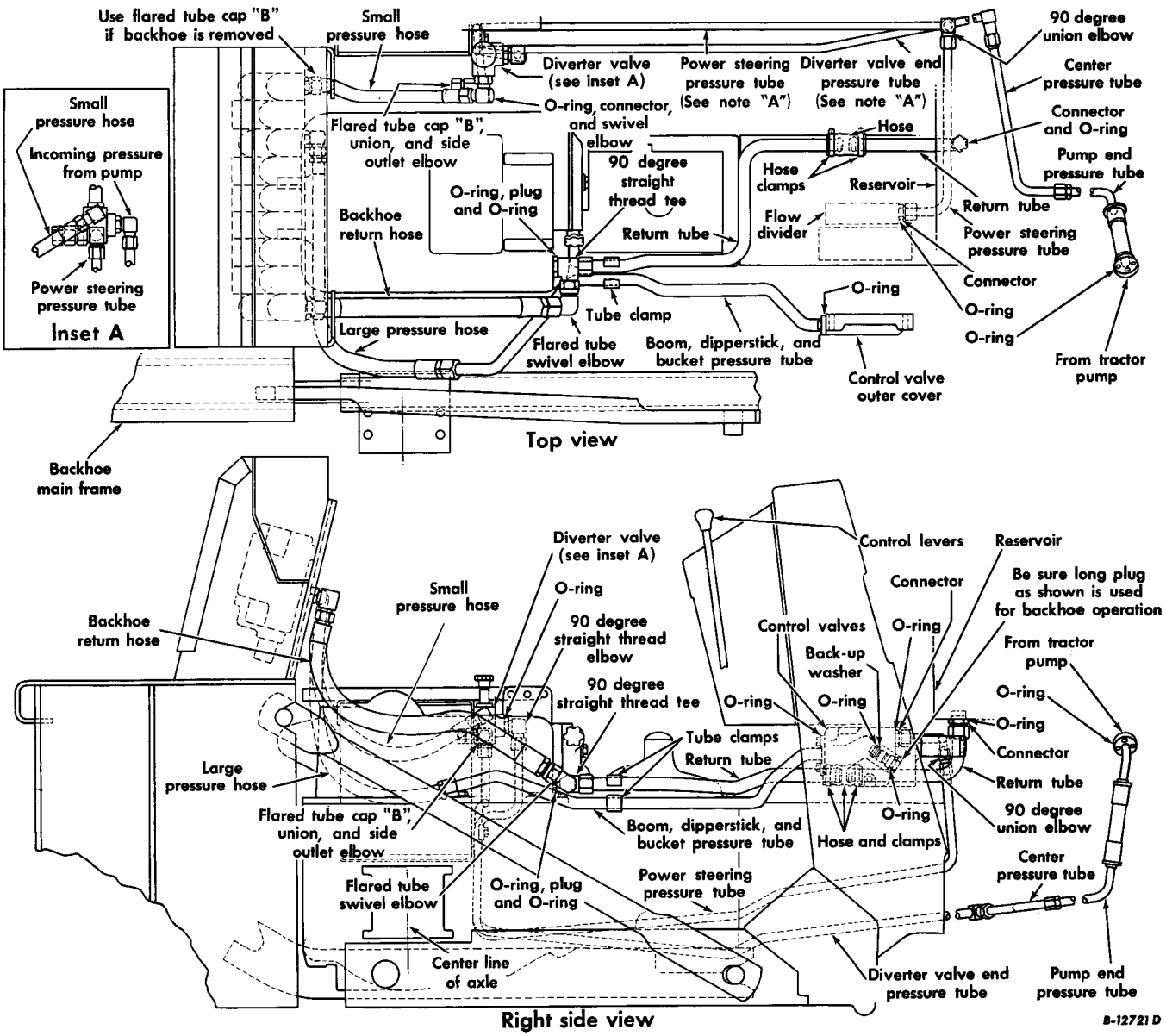
Hydraulic Connections

(For International 3121, 3131 and 3141 Backhoes when used with 3414 Loader Tractor with Auxiliary Valve, Hydraulic Lift and Tandem Hydraulic Pump)



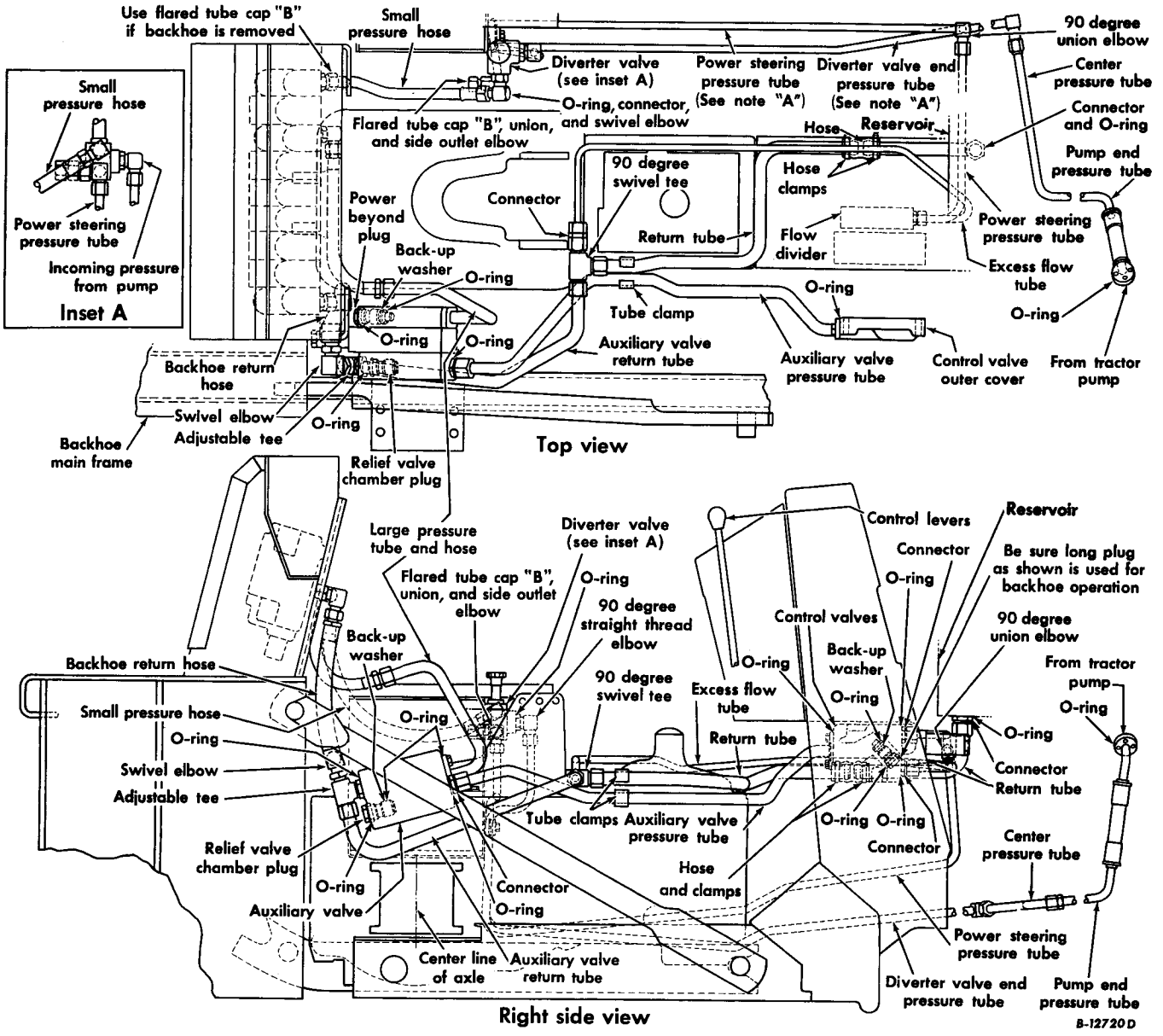
Hydraulic Connections

(For International 3121, 3131 and 3141 Backhoes when used with International 3414 Loader Tractor with 9 GPM Hydraulic Pump but without Hydraulic Lift)



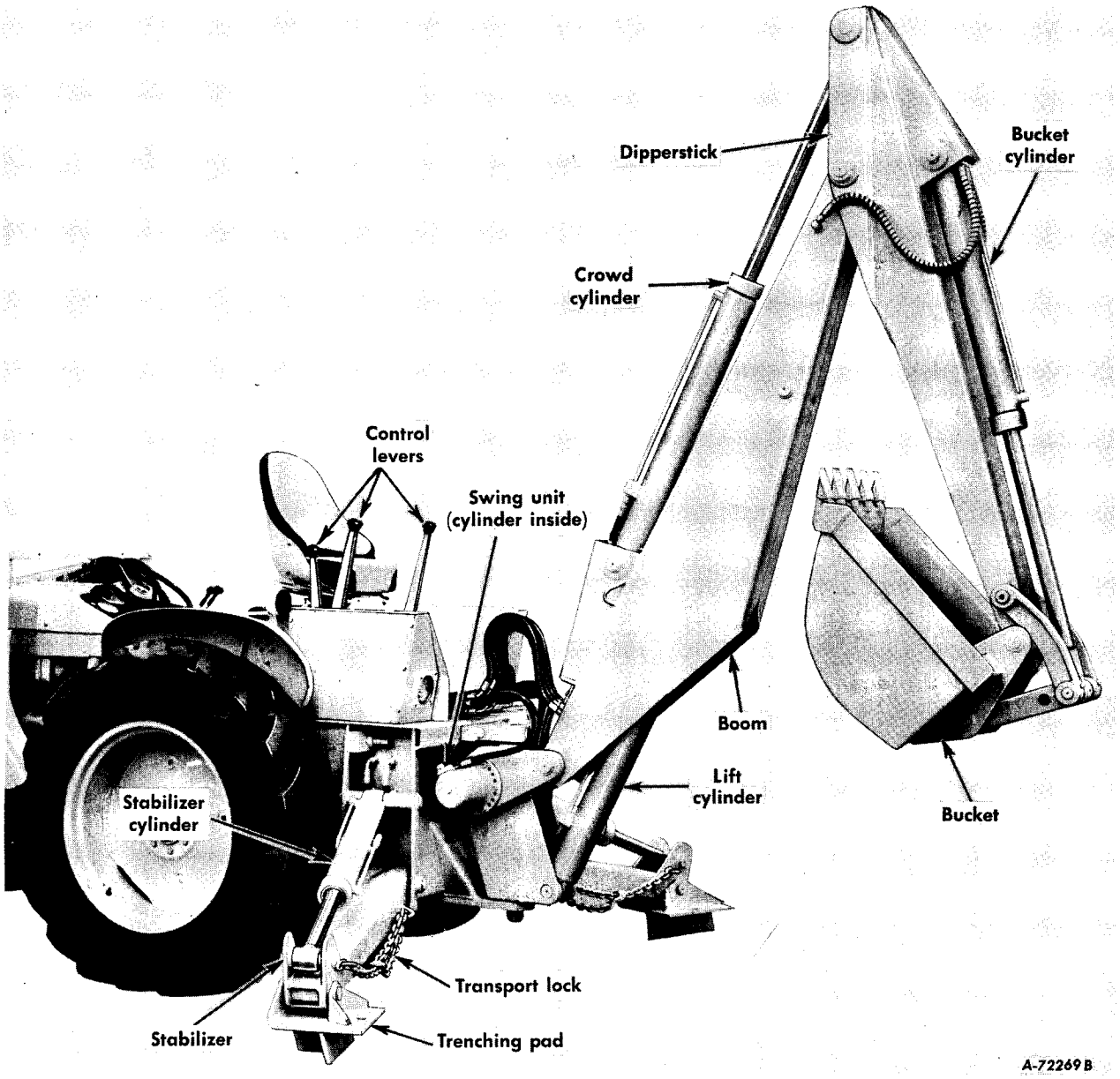
Hydraulic Connections

(For International 3121, 3131 and 3141 Backhoe when used with International 3414 Loader Tractor with Hydraulic Lift and 9 GPM Hydraulic Pump)



Hydraulic Connections

(For International 3121, 3131 and 3141 Backhoes when used with International 3414 Loader Tractor with Auxiliary Valve, 9 GPM Hydraulic Pump but without Hydraulic Lift)



International 3120 Backhoe

INTERNATIONAL 3120 BACKHOE

Built 1962 to 1965

(See Index to Units following)

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INDEX TO UNITS

DESCRIPTION	Page
BOOM	7
BRACKETS	
Battery Mounting (For International 504 and 606 Diesel Tractor)	58
Fender	
For International 340, 460, 504, 606, 2504 and 2606 Tractors	16
For International 3414 Loader Tractor	16
Flashing Light	60
BUCKET	7
CONTROLS, Hydraulic	25
COUPLER, Quick Disconnect	51
CYLINDERS, Hydraulic	
1962 and 1963	21
1963 and Since	23
DIPPERSTICK	7
FILTER, Oil	40
FLANGE, Pump Mounting (For International 340, 460, 504, 606, 2504 and 2606 Tractors	34
FRAME, Main	5
HYDRAULIC CONNECTIONS	
Basic	27
For International 404 and 2404 Tractors equipped w/2000 Loader	39
For International 2424 Tractor equipped w/2000 Loader	32
For International 3414 Loader Tractor with Auxiliary Valve	43
For International 3414 Loader Tractor with Hydraulic Lift	45
For International 3414 Loader Tractor with Hydraulic Lift and Auxiliary Valve	41

DESCRIPTION	Page
HYDRAULIC CONNECTIONS -Continued-	
For International 3414 Loader Tractor w/o Hydraulic Lift and Auxiliary Valve	47
For International 3514 and 3616 Loader Tractors	30
For T-340-A or TD-340A Tractor w/DROTT Four-in-one Skid Shovel, 3040 Loader, 600 or 700 Blade	38
LIGHTING EQUIPMENT	59
PACKAGES, Completing (Field Application)	
Flip-Up Seat	15
Relief Valves	15
Subframe Bolts	15
Subframe Bar and Mounting Bracket	15
PADS	5
PLATE, Floor	13
PRODUCT GRAPHICS	60
PUMP AND POWER SUPPLY CONNECTIONS	
For International 340, 404, 460, 504, 606, 2404, 2504 and 2606 Tractors w/External Filter	36
For International 504, 606, 2504 and 2606 Tractors w/Built in Filter	36
For International 504, 606, 2504 and 2606 Tractors w/o Loader	37
For International 340, 460, 504, 606, 2504 and 2606 Tractors	34
PUMPS, Hydraulic Gear	
Cessna	
7 GPM	54
9 GPM	56
Diesel 9 GPM	55
Thompson	
7 GPM	53
9 GPM	56

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INDEX TO UNITS - Continued

DESCRIPTION	Page
SEATS	
Jr. Road King (Special)	14
Premier	13
STABILIZER	5
SUBFRAMES	
For International 340, 460, 504, 606, 2504 and 2606 Tractors	16
For International 2424 Tractor	10
For International 3414 Loader Tractors	16
For International 3514 and 3616 Loader Tractors	17
For International 404 and 2404 Tractors	14
For T-340A and TD-340A Tractors w/3040 Loader	12
For T-340A and TD-340A Tractors w/DROTT Four-in-one Skid Shovel	11
For International 504, 606, 2504 and 2606 Tractors w/o Loader	9
SUPPORTS	
Flip-Up Seat	15
Main Frame (For International 404 and 2404 Tractors)	14
Seat	
For T-340A and TD-340A Tractors w/3040 Loader	12
For T-340A and TD-340A Tractors w/DROTT Four-in-one Skid Shovel	11
SWING MECHANISM	28
TRAY, Battery (For 3414 Loader Tractor)	60
TUBE, Hydraulic	19
VALVES	
Control	19
Diverter	
For International 340, 460, 504, 606, 2424, 2504 and 2606 Tractors	57
For International 3414, 3514 and 3616 Loader Tractors	57
Flow Control	54
Flow Divider	37
Pilot Relief	49
Regulator and Safety Flow Control	48
Three Position Control (w/1-in. spool) (1962)	50
Three Position Control (w/7/8-in. Spool) (1962 and Since)	52

DIAGRAMS, Hydraulic ..... Refer to Introduction Pages IV thru XII

BKH-1

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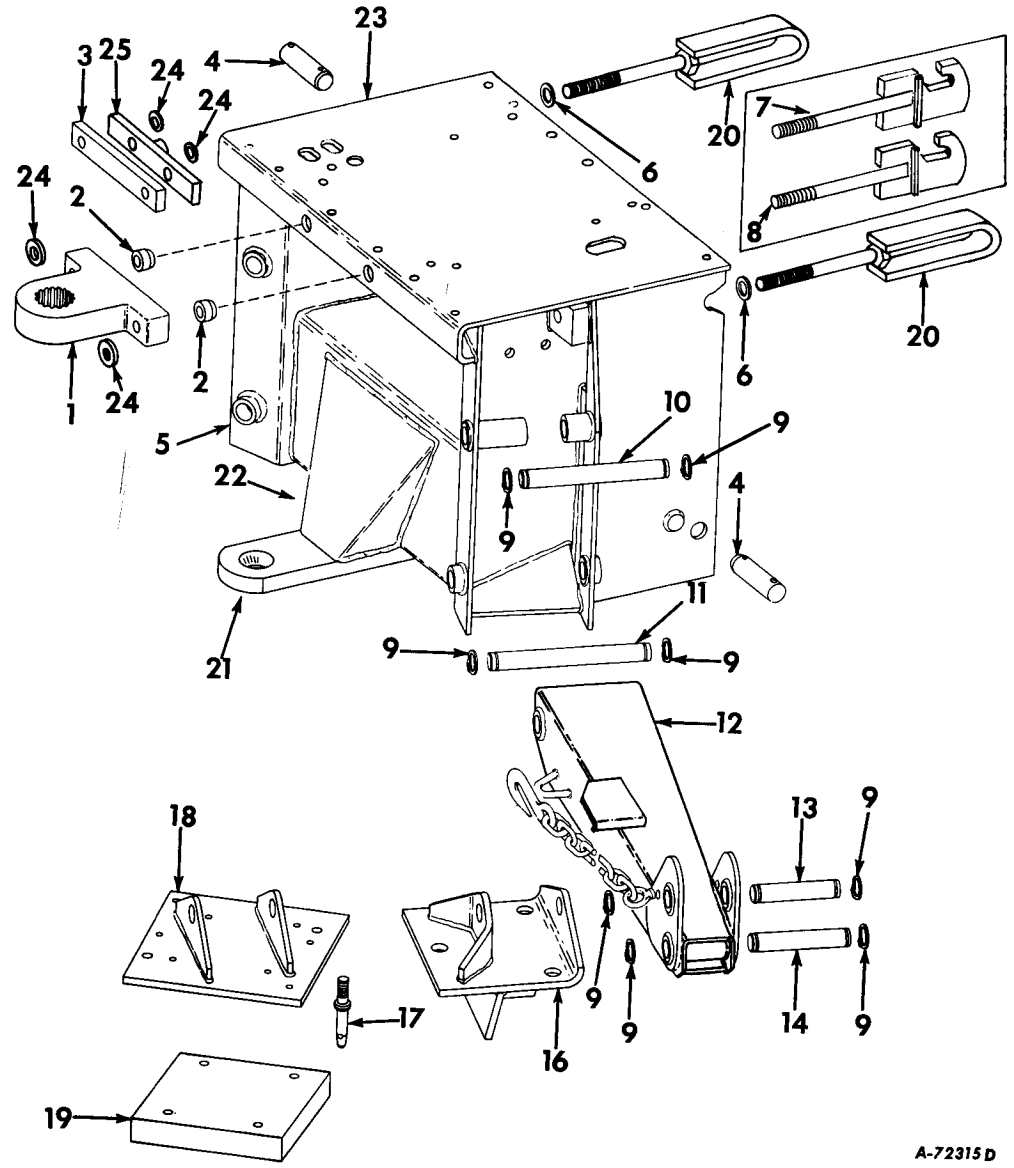
MAIN FRAME, STABILIZER AND PADS



REF. NO.	PART NUMBER	DESCRIPTION
1	468 389 R11	MOUNT W/PILOTS, TOP SWING
	19 925 R1	NUT, 7/8-9 TYPE 4 HEX. -2-
	289 757 R1	SCREW, 7/8-9 X 4-1/4 TYPE 4 HEX-HD CAP -2-
2	469 118 R1	PILOT, TOP SWING MOUNT -2-
3	468 388 R1	BAR, BACKUP TOP SWING MOUNT
4	468 639 R1	PIN, MAIN FRAME LOCKING -2-
	520 174 R1	PIN, QUICK ATTACHABLE COT. -4-

3120 BACKHOE -5- SECTION A

MAIN FRAME, STABILIZER AND PADS -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
5	468 372 R93	FRAME ASSY, BACKHOE MAIN
6	470 459 R1	WASHER, 1-1/16 X 2 X 10 GA - SPECIAL- -2-
7	468 718 R91	BOLT, MAIN FRAME MOUNTING LEFT TIE -ORDER 473651 R91-
		NUT, 1-8 CD OR ZN-PLTD HEX.
	426 899	NUT, 1-8 CD OR ZN-PLTD HEX. JAM

REF. NO.	PART NUMBER	DESCRIPTION BKH-1
		MAIN FRAME, STABILIZER AND PADS -CONTINUED
8	468 719 R91	BOLT, MAIN FRAME MOUNTING RIGHT TIE -ORDER 473651 R91-
		NUT, 1-8 CD OR ZN-PLTD HEX.
	426 899	NUT, 1-8 CD OR ZN-PLTD HEX. JAM
9	468 283 R1	RING, EXTERNAL RETAINING -16-
10	468 638 R1	PIN, STABILIZER CYCLE TO MAIN FRAME -2-
11	468 635 R1	PIN, STABILIZER TO MAIN FRAME -2-
12	468 655 R12	STABILIZER W/CHAIN, BACKHOE LEFT
12	468 656 R12	STABILIZER W/CHAIN, BACKHOE RIGHT
13	468 637 R1	PIN, STABILIZER TO CYLINDER -2-
14	468 636 R1	PIN, STABILIZER TO PAD ASSY -2-
15		NOT USED
16	468 392 R11	PAD ASSY, STABILIZER TRENCHING -2-
17	525 921 R1	PIN, HITCH -FOR SOD PAD- -8-
	426 767	NUT, 7/8-14 CD OR ZN-PLTD HEX. -8-
		WASHER, 7/8 CD OR ZN-PLTD MED LOCK -8-
18	469 103 R91	PAD ASSY, LEFT STABILIZER SOD -SPECIAL-
18	469 104 R91	PAD ASSY, RIGHT STABILIZER SOD -SPECIAL-
19	469 108 R2	PAD, STABILIZER STREET -SPECIAL- -2-
		BOLT, 3/4-10 X 2-1/2 CD OR ZN-PLTD CRG -8-
		NUT, 3/4-10 CD OR ZN-PLTD HEX. -8-
		WASHER, 3/4 CD OR ZN-PLTD MED LOCK -8-
20	473 651 R91	BOLT ASSY, MAIN FRAME MOUNTING EYE -2-
		NUT, 1-8 CD OR ZN-PLTD HEX. -2-
	426 899	NUT, 1-8 CD OR ZN-PLTD HEX. JAM -2-
21	468 380 R1	PLATE, MAIN FRAME SWING MOUNT
22	468 378 R1	GUSSET, MAIN FRAME SWING MOUNT
23	468 373 R2	PLATE, MAIN FRAME TOP
24	384 697 R1	WASHER, .906 X 1.75 X .164 -4-
25	484 483 R1	BAR, BACKUP OUTER TOP SWING MOUNT -FOR USE ON INTERNATIONAL 3514 AND 3616 TRACTORS-
	19 925 R1	NUT, 7/8-9 HEX. -2-
	21 021 R1	SCREW, 7/8-9 X 5-1/2 HEX-HD CAP -2-

3120 BACKHOE -6- SECTION A

REF. NO.	PART NUMBER	DESCRIPTION BKH-1

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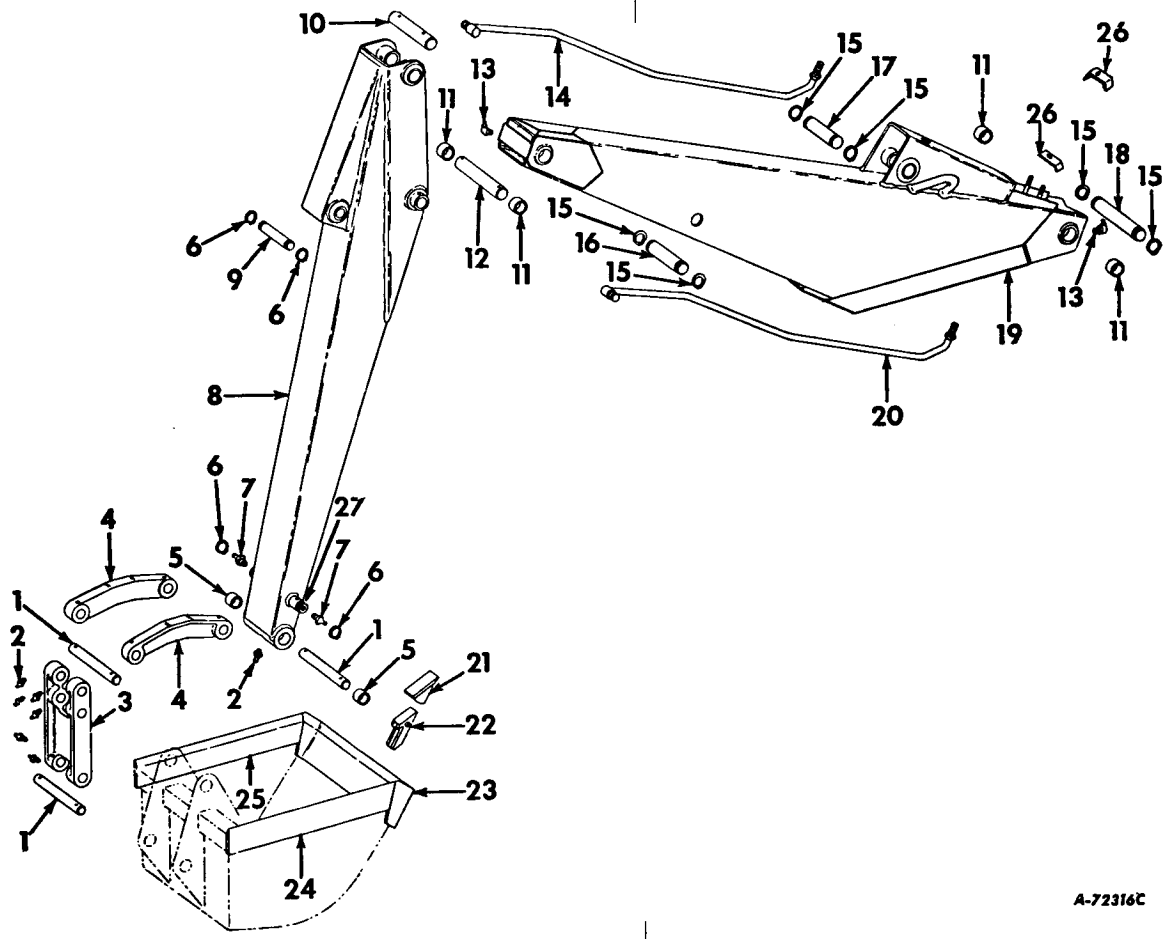
BOOM, BUCKET AND DIPPERSTICK



REF. NO.	PART NUMBER	DESCRIPTION
1	468 284 R1	PIN, BUCKET LINK -3- PIN, 3/16 X 1-1/4 CD OR ZN-PLTD COT. -4-
	468 317 R1	PIN, 1/2 X 2-7/16 DLD-HD -4-
2	109 461	FITTING, 1/8-27 PTF STR LUB -7-
3	468 289 R1	LINK, REAR BUCKET
4	468 285 R2	LINK, FORWARD BUCKET LH
4	493 398 R1	LINK, FORWARD BUCKET RH
	187 988	PIN, 3/16 X 1-1/4 CD OR ZN-PLTD COT. -2-
	472 712 R1	PIN, 1/2 X 3-9/16 STD-HD -2-
5	468 280 R1	BUSHING, LINK PIVOT -2-
6	468 283 R1	RING, BUCKET LINK PIVOT SHAFT EXT SNAP -4-
7	273 355	FITTING, 1/4 STR DRIVE LUB -2-
8	468 270 R91	DIPPERSTICK W/BUSHINGS, BACKHOE
9	468 282 R1	PIN, BUCKET CYLINDER TO DIPPERSTICK

BOOM, BUCKET AND DIPPERSTICK -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
10	468 288 R1	PIN, DIPPERSTICK TO CROWD CYLINDER PIN, 3/16 X 1-1/4 CD OR ZN-PLTD COT. -2-
	472 714 R1	PIN, 1/2 X 3-3/8 STD-HD -2-
11	468 366 R1	BUSHING, BOOM PIVOT CARRIER -4-
12	468 287 R1	PIN, BOOM PIVOT PIN, 3/16 X 1-1/4 CD OR ZN-PLTD COT. -2-
	472 712 R1	PIN, 1/2 X 3-9/16 STD-HD -2-
	625 688 R1	WASHER, 2-1/32 X 3 X 16 GA -AS REQUIRED-
13	109 462	FITTING, 1/8-90 DEG ELBOW LUB -2- -BOOM PIVOT CARRIER-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		BOOM, BUCKET AND DIPPERSTICK -CONTINUED	
14	470 474 R11	TUBE ASSY, BACKHOE BOOM LEFT	
	9 403 295	NUT, 7/8-14 CD OR ZN-PLTD BULKHEAD UNION LOCK -2-	
	9 403 298	NUT, 1-5/16-12 CD OR ZN-PLTD BULKHEAD UNION LOCK -2-	
	138 566	WASHER, 7/8 CD OR ZN-PLTD INTERNAL TOOTH LOCK -2-	
	471 961 R1	WASHER, 1-5/16 CD OR ZN-PLTD INTERNAL TOOTH LOCK -2-	
15	468 371 R1	RING, EXTERNAL RETAINING -6-	
16	468 367 R1	PIN, BOOM CYLINDER UPPER	
17	468 369 R1	PIN, SHROUD	
18	468 368 R1	PIN, BOOM TO SWING MECHANISM	
	625 688 R1	WASHER, 2-1/32 X 3 X 16 GA	
19	468 353 R92	BOOM W/BUSHINGS, BACKHOE	
		NUT, 5/16-18 CD OR ZN-PLTD HEX. -2-	
20	470 475 R11	TUBE ASSY, BACKHOE BOOM RIGHT	
	9 403 295	NUT, 7/8-14 CD OR ZN-PLTD BULKHEAD UNION LOCK -2-	
	9 403 298	NUT, 1-5/16-12 CD OR ZN-PLTD BULKHEAD UNION LOCK -2-	
	138 566	WASHER, 7/8 CD OR ZN-PLTD INT-TOOTH LOCK -2-	
	471 961 R1	WASHER, 1-5/16 CD OR ZN-PLTD INT-TOOTH LOCK -2-	
21	468 733 R1	TOOTH, POINT -3 USED FOR 12 IN., 4 USED FOR 16, 18 AND 20 IN., 5 USED FOR 22, 24 AND 26 IN., 6 USED FOR 28, 30 AND 32 IN. AND 7 USED FOR 34 AND 36 IN. BUCKET-	
21	485 353 R1	POINT, TOOTH -HEAVY DUTY- -4 USED FOR 16 AND 20 IN., 5 USED FOR 22 AND 26 IN., 6 USED FOR 28, 30 AND 32 IN., 7 USED FOR 34 IN.-	
21	470 242 R1	TOOTH, POINT -SPECIAL FOR MOLES PAW TYPE BUCKET- -5 USED FOR 18 IN., 5 USED FOR 24 IN.-	
22	468 314 R1	SHANK, TOOTH -3 USED FOR 12 IN., 4 USED FOR 16, 18 AND 20 IN., 5 USED FOR 22, 24 AND 26 IN., 6 USED FOR 28, 30 AND 32 IN. AND 7 USED FOR 34 AND 36 IN. BUCKET-	
22	471 547 R1	SHANK, POINT - SPECIAL FOR MOLES PAW TYPE BUCKET- -5 USED FOR 18 IN., 5 USED FOR 24 IN.-	
23	468 764 R1	EDGE, FRONT CUTTING -FOR 12 IN. BUCKET-	
23	483 615 R1	EDGE, FRONT CUTTING -FOR 16 IN. BUCKET-	
23	468 758 R1	EDGE, FRONT CUTTING -FOR 18 IN. BUCKET-	
23	480 804 R1	EDGE, FRONT CUTTING -FOR 18 IN. BELL-HOLE BUCKET-	
23	483 621 R1	EDGE, FRONT CUTTING -FOR 20 IN. BUCKET-	
23	483 627 R1	EDGE, FRONT CUTTING -FOR 22 IN. BUCKET-	
23	468 310 R1	EDGE, FRONT CUTTING -FOR 24 IN. BUCKET-	
23	480 805 R1	EDGE, FRONT CUTTING -FOR 24 IN. BELL-HOLE BUCKET-	
23	483 633 R1	EDGE, FRONT CUTTING -FOR 26 IN. BUCKET-	
23	483 639 R1	EDGE, FRONT CUTTING -FOR 28 IN. BUCKET-	
23	472 975 R1	EDGE, FRONT CUTTING -FOR 30 IN. BUCKET-	
23	483 651 R1	EDGE, FRONT CUTTING -FOR 32 IN. BUCKET-	
23	483 657 R1	EDGE, FRONT CUTTING -FOR 34 IN. BUCKET-	
23	468 770 R1	EDGE, FRONT CUTTING -FOR 36 IN. BUCKET-	
23	480 590 R1	EDGE, FRONT CUTTING -FOR 36 IN. TRENCHING BUCKET-	
24	468 313 R1	BAR, RIGHT SIDE CUTTING -FOR 16, 18, 20 22, 24, 26, 28, 32 AND 34 IN. BUCKET-	

3120 BACKHOE -8- SECTION A

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		BOOM, BUCKET AND DIPPERSTICK -CONTINUED	
25	468 312 R1	BAR, LEFT SIDE CUTTING -FOR 16, 18, 20, 22, 24, 26, 28, 32 AND 34 IN. BUCKET-	
26	379 045 R1	CLAMP, HYD TUBE -2-	
27	468 281 R1	SHAFT, BUCKET LINK PIVOT	

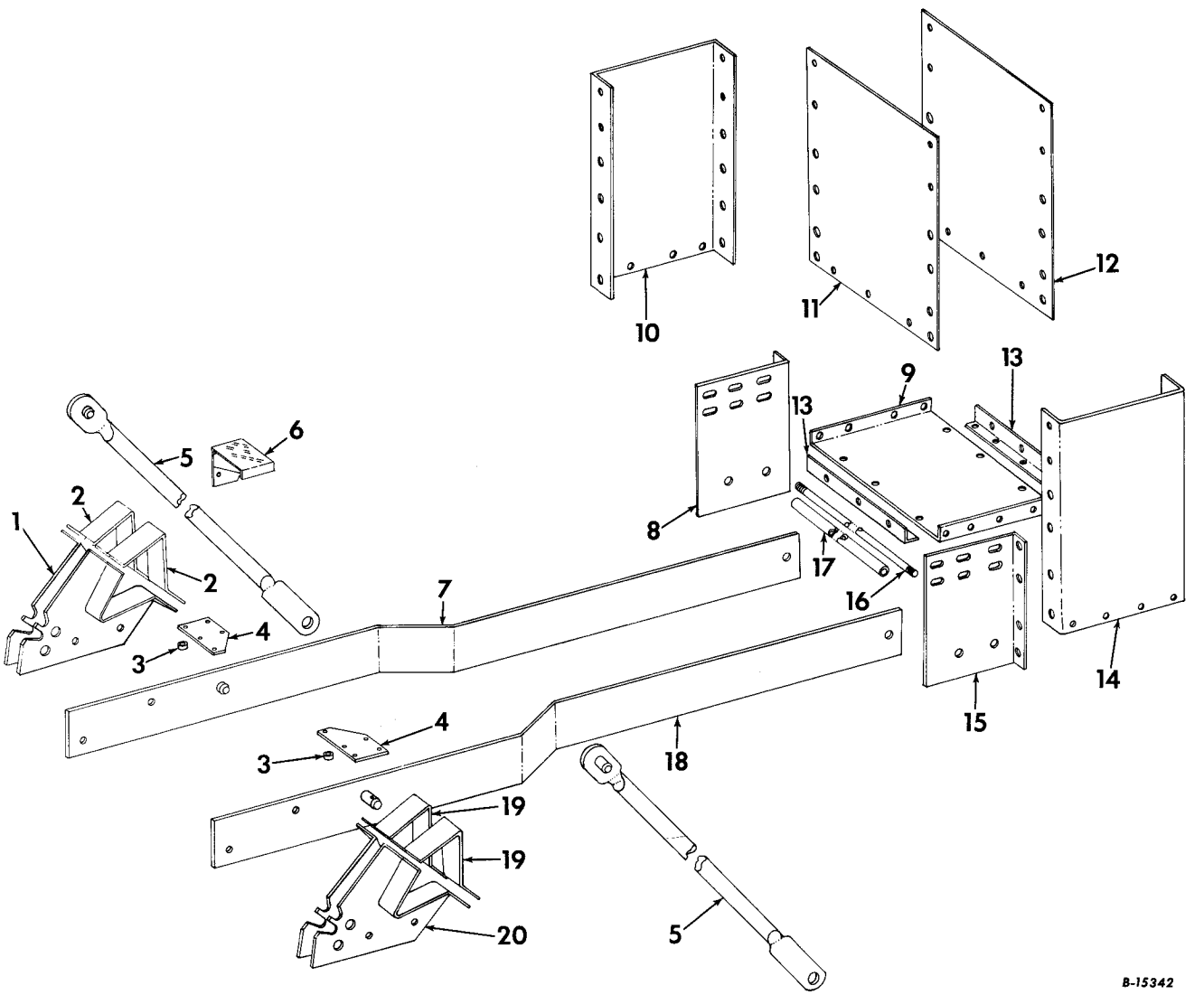
BKH-1

INDEPENDENT SUBFRAME W/WEIGHT BOX -FOR USE ON I-504, I-606, I-2504 & I-2606 TRACTOR-

3120 BACKHOE -9- SECTION A

BKH-1

INDEPENDENT SUBFRAME W/WEIGHT BOX -FOR USE -CONTINUED ON I-504, I-606, I-2504 & I-2606 TRACTOR-



REF. NO.	PART NUMBER	DESCRIPTION
1	479 028 R91	BRACKET ASSY, MOUNTING LH
2	479 043 R1	BRACKET, AXLE MOUNTING LH -2-
	220 088	NUT, 1-8 C-Z HEX. -4-
	271 857	SCREW, 1-8 X 2-1/2 C-Z HEX-HD CAP -4-
3	237 614 R1	SPACER, FENDER BRACKET -2-
4	469 549 R1	BRACKET, FENDER -2-
	180 174	SCREW, 1/2 X 1-1/8 C-Z HEX-HD CAP -4-
5	469 181 R11	SUPPORT ASSY, MAIN FRAME -2-
6	470 455 R11	STEP ASSY, TRACTOR TO BACKHOE
	120 377	NUT, 3/8 C-Z HEX. -4-
	180 120	SCREW, 3/8 X 3/4 C-Z HEX-HD CAP -4-
	120 382	WASHER, 3/8 C-Z LOCK -4-
	446 470	WASHER, 3/8 X 1-1/8 X 16 GA C-Z -4-
7	479 026 R11	BAR ASSY, SUB FRAME LH
	220 088	NUT, 1-8 C-Z HEX. -2-
	137 303	PIN, 1/4 X 2-1/4 C-Z COT.
	271 860	SCREW, 1-8 X 3-1/4 C-Z HEX-HD CAP -2-
	551 183 R1	WASHER, 17/32 X 2-1/2 X 16 GA
8	479 034 R1	PLATE, FRONT MOUNTING LH
9	479 039 R1	CHANNEL, WEIGHT BOX BOTTOM
10	479 037 R1	CHANNEL, WEIGHT BOX SIDE LH

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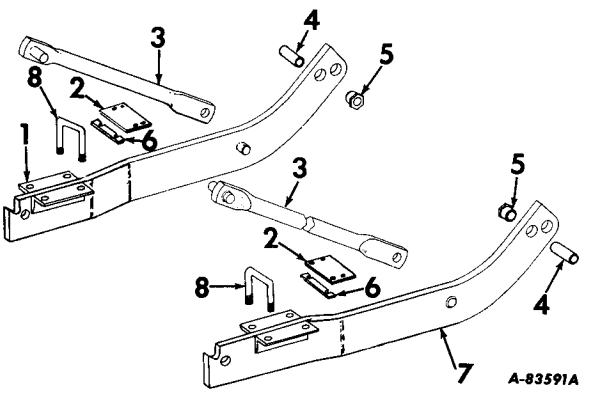
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		INDEPENDENT SUBFRAME W/WEIGHT BOX -FOR USE -CONTINUED ON I-504, I-606, I-2504 & I-2606 TRACTOR-	
11	479 033 R1	PLATE, WEIGHT BOX	
12	479 036 R1	PLATE, WEIGHT BOX FRONT	
13	479 040 R1	ANGLE, WEIGHT BOX -2-	
	17 448 R1	BOLT, 1/2 X 1-1/4 HEX-HD MACH -28-	
	17 473 R1	BOLT, 1/2 X 1-1/2 HEX-HD MACH -8-	
	102 637	NUT, 1/2 HEX. -36-	
	271 771	SCREW, 3/4-10 X 2 C-Z HEX-HD CAP -6-	
	271 772	SCREW, 3/4-10 X 2-1/4 C-Z HEX-HD CAP -2-	
	103 323	WASHER, 1/2 MED LOCK -36-	
	220 086	WASHER, 3/4 C-Z MED LOCK -8-	
	16 038 R1	WASHER, 17/32 X 1 X 11 GA -12-	
14	479 038 R1	CHANNEL, WEIGHT BOX SIDE RH	
15	479 035 R1	PLATE, FRONT MOUNTING RH	
	271 723	SCREW, 5/8-11 X 2 C-Z HEX-HD CAP -8-	
	121 574	WASHER, 5/8 C-Z MED LOCK -8-	
	131 016	WASHER, 21/32 X 1-5/16 X .095 C-Z -8-	
16	479 042 R1	SHAFT	
	220 095	NUT, 1-1/4-7 C-Z HEX. -2-	
17	479 041 R1	PIPE, FRONT MOUNTING SPACER	
18	479 027 R11	BAR ASSY, SUBFRAME RH	
	220 088	NUT, 1-8 C-Z HEX. -2-	
	137 303	PIN, 1/4 X 2-1/4 C-Z COT.	
	271 860	SCREW, 1-8 X 3-1/4 C-Z HEX-HD CAP -2-	
	551 183 R1	WASHER, 17/32 X 2-1/2 X 16 GA	
19	479 044 R1	BRACKET, AXLE MOUNTING RH -2-	
	220 088	NUT, 1-8 C-Z HEX. -4-	
	271 857	SCREW, 1-8 X 2-1/2 C-Z HEX-HD CAP -4-	
20	479 029 R91	BRACKET ASSY, MOUNTING RH	

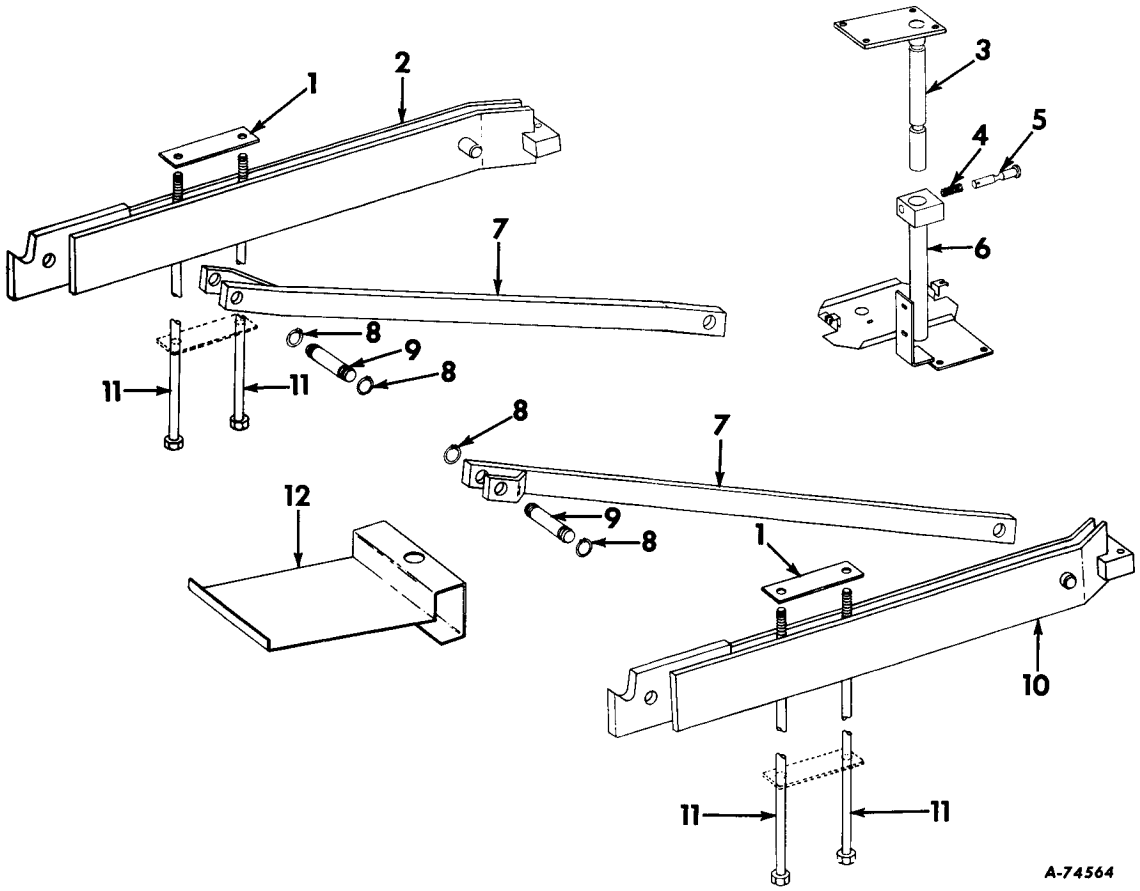
3120 BACKHOE -10- SECTION A

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		SUBFRAME AND FENDER BRACKETS -INTERNATIONAL 2424 TRACTOR-	



1	480 574 R91	FRAME, LH -ORDER 481 616 R91 AND 481 621 R1-	
1	481 616 R91	FRAME, LH	
	271 609	BOLT, 3/4 X 1-3/4 HEX-HD MACH -2-	
	138 561	WASHER, 3/4 INT-TOOTH LOCK -2-	
	551 183 R1	WASHER, 1-17/32 X 2-1/2 X 16 GA -AS REQUIRED-	
	137 303	PIN, 1/4 X 2-1/4 C-Z COT.	
2	480 580 R1	BLOCK, FENDER SPACER -2-	
3	480 581 R92	BAR ASSY, TIE -2-	
4	474 612 R1	SPACER, -2-	
	474 613 R1	BOLT, 1-1/2-6 X 8-1/4 HEX-HD -2-	
	131 052	WASHER, 1-1/2 C-Z MED LOCK -2-	
	220 096	NUT, 1-1/2-6 HEX. -2-	
5	469 189 R1	CAM, SUBFRAME MOUNTING -2-	
6	480 966 R1	BAR, FENDER SPACER -2-	
7	480 575 R91	FRAME ASSY, RH -ORDER 481 617 R91 AND 481 621 R1	
7	481 617 R91	FRAME ASSY, RH	
	271 609	BOLT, 3/4 X 1-3/4 HEX-HD MACH -2-	
	138 561	WASHER, 3/4 INT-TOOTH LOCK -2-	
	551 183 R1	WASHER, 1-17/32 X 2-1/2 X 16 GA -AS REQUIRED-	
	137 303	PIN, 1/4 X 2-1/4 C-Z COT.	
8	481 621 R1	U-BOLT, SUBFRAME -2-	
	102 639	NUT, 5/8-11 HEX. -4-	
	103 325	WASHER, 5/8 MED LOCK -4-	

SUBFRAME & SEAT SUPPORT -T-340A & TD-340A TRACTORS W/DROTT FOUR-IN-ONE SKID SHOVEL-



REF. NO.	PART NUMBER	DESCRIPTION
1	472 736 R1	SPACER, SUBFRAME MOUNTING -2-
2	472 724 R91	SUBFRAME ASSY, LH PIN, 1/4 X 2-1/4 COT. SCREW, 5/8-11 X 4-1/2 HEX-HD CAP -2- 551 183 R1 WASHER, 1-7/32 X 2-1/2 X 16 GA -AS REQUIRED-
3	472 745 R92	SEAT ATTACHING ASSY
4	24 541 D	SPRING
5	472 744 R2	PIN, LOCKING PIN, 1/4 X 1-1/4 CD OR ZN-PLTD COT.
6	472 737 R91	SUPPORT ASSY, SEAT SCREW, 5/16-18 X 7/8 CD OR ZN-PLTD HEX-HD CAP -4- WASHER, 5/16 CD OR ZN-PLTD MED LOCK -4- P 13 334 SPACER, SEAT SUPPORT -4- SCREW, 7/16-14 X 5 HEX-HD CAP -4-
7	472 731 R91	TIE BAR ASSY -2-
8	468 283 R1	RING, SNAP -4-
9	472 733 R1	PIN, TIE BAR -2-

-11- SECTION A
3120 BACKHOE
BKH-1

SUBFRAME & SEAT SUPPORT -T-340A & TD-340A -CONTINUED
TRACTORS W/DROTT FOUR-IN-ONE SKID SHOVEL-

REF. NO.	PART NUMBER	DESCRIPTION
10	472 725 R91	SUBFRAME ASSY, RH PIN, 1/4 X 2-1/4 COT. SCREW, 5/8-11 X 4-1/2 HEX-HD CAP -2- 551 183 R1 WASHER, 1-7/32 X 2-1/2 X 16 GA -AS REQUIRED-
11	20 185 R1	SCREW, 3/4-10 X 17-1/4 CD OR ZN-PLTD HEX-HD CAP -4-
12	468 963 R11	PLATE ASSY, FLOOR NUT, 3/8-16 CD OR ZN-PLTD HEX. -2- SCREW, 3/8-16 X 7/8 CD OR ZN-PLTD HEX-HD CAP -2- SCREW, 1/2-13 X 1-1/4 CD OR ZN-PLTD HEX-HD CAP -2- WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2- WASHER, 1/2 CD OR ZN-PLTD MED LOCK

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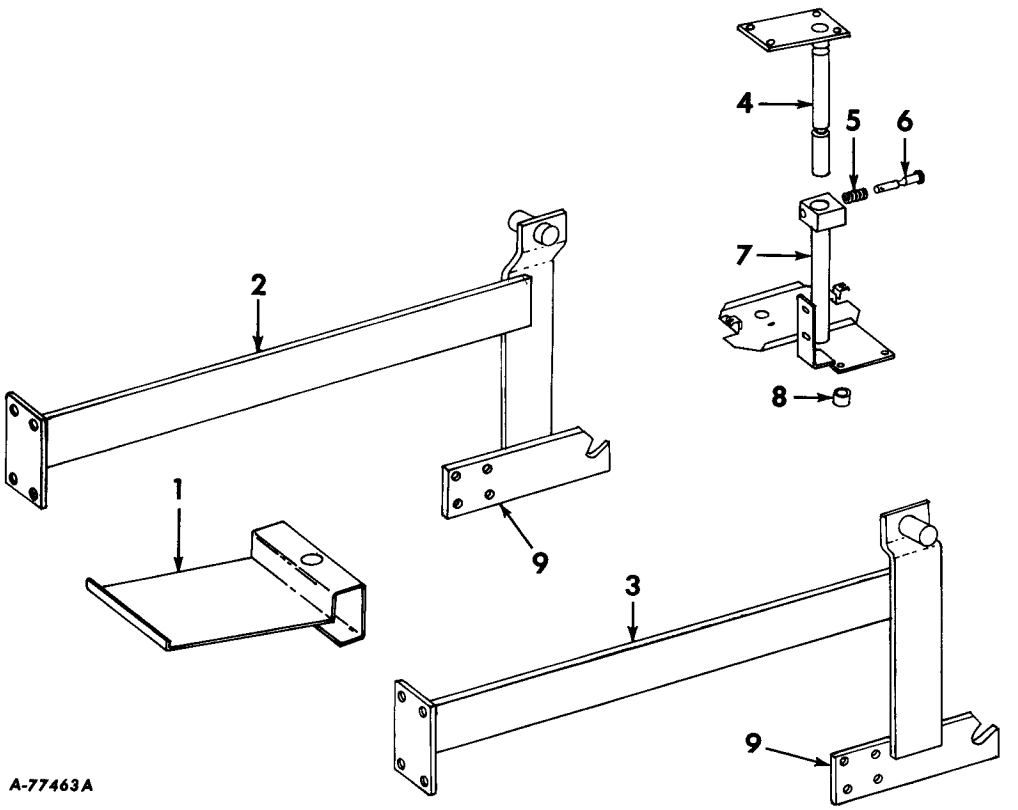
SUBFRAME & SEAT SUPPORT- T-340A & TD-340A TRACTORS W/3040 LOADER



A-77463A

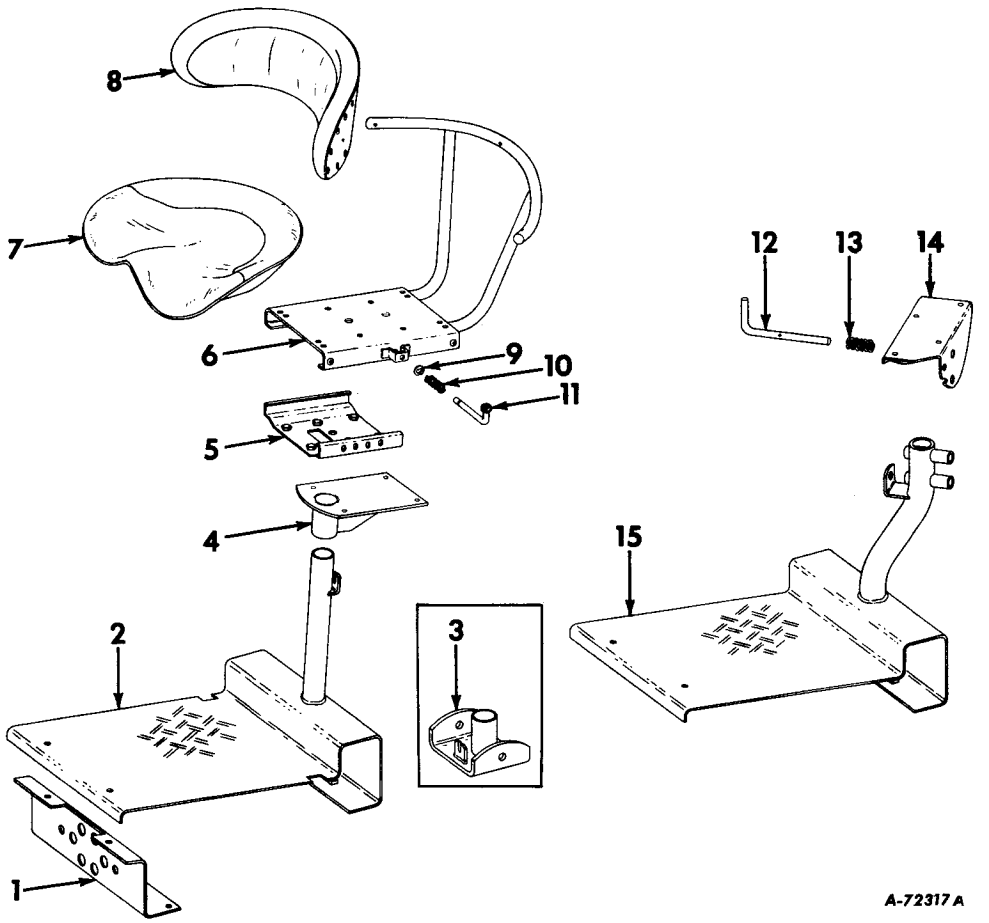
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
1	468 963 R11	PLATE ASSY, FLOOR NUT, 3/8-16 CD OR ZN-PLTD HEX. -2- SCREW, 3/8-16 X 7/8 CD OR ZN-PLTD HEX-HD CAP -2- SCREW, 1/2-13 X 1-1/4 CD OR ZN-PLTD HEX-HD CAP -2- WASHER, 3/8 CD OR ZN-PLTD LOCK -2- WASHER, 1/2 CD OR ZN-PLTD LOCK -2-	
2	475 427 R91	FRAME ASSY, LH NUT, 3/4-10 CD OR ZN-PLTD HEX. -4- SCREW, 3/4-10 X 1-3/4 CD OR ZN-PLTD HEX-HD CAP -4-	
3	475 428 R91	FRAME ASSY, RH NUT, 3/4-10 CD OR ZN-PLTD HEX. -4- SCREW, 3/4-10 X 1-3/4 CD OR ZN-PLTD HEX-HD CAP -4-	
4	472 745 R92	SEAT ATTACHING ASSY	
5	24 541 D	SPRING	
6	472 744 R2	PIN, LOCKING PIN, 1/4 X 1-1/4 CD OR ZN-PLTD COT.	

3120 BACKHOE -12- SECTION A

SUBFRAME & SEAT SUPPORT- T-340A & TD-340A -CONTINUED TRACTORS W/3040 LOADER

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
7	472 737 R91	SUPPORT ASSY, SEAT SCREW, 5/16-18 X 7/8 CD OR ZN-PLTD HEX-HD CAP -4- WASHER, 5/16 CD OR ZN-PLTD MED LOCK -4-	
8 P	13 334	SPACER, SEAT SUPPORT -4- SCREW, 7/16-14 X 5 HEX-HD CAP -4-	
9	475 431 R1	BAR, MOUNT -2-	
	271 777	SCREW, 3/4-10 X 3-1/2 C-Z HEX-HD CAP -4-	
	220 086	NUT, 3/4-10 C-Z HEX. -4-	

FLOOR PLATE AND SEAT



A-72317A

REF. NO.	PART NUMBER	DESCRIPTION
1	468 734 R1	SUPPORT, FLOOR PLATE
		NUT, 3/8-16 CD OR ZN-PLTD HEX. -4-
		SCREW, 3/8-16 X 1 CD OR ZN-PLTD HEX-HD CAP -4-
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK -4-
2	469 261 R91	PLATE ASSY, BACKHOE FLOOR -62 TO 64-
		-NOTE A-
		-FURNISH 476 903 R91, 477 567 R1, 476 905 R1, 15 068 EB & 625 326 R1
	105 608	NUT, 1/2 REGULAR SQ -2-
		SCREW, 1/2 X 1-1/4 CD OR ZN-PLTD HEX-HD CAP -2-
		WASHER, 1/2 CD OR ZN-PLTD MED LOCK -2-
3	469 267 R11	STAND ASSY, SEAT
		-NOTE A- -1962-
		BOLT, 1/2-13 X 1-3/4 CD OR ZN-PLTD MACH -2-
		NUT, 1/2-13 CD OR ZN-PLTD HEX. -2-
		WASHER, 1/2 CD OR ZN-PLTD MED LOCK -2-

FLOOR PLATE AND SEAT -CONTINUED

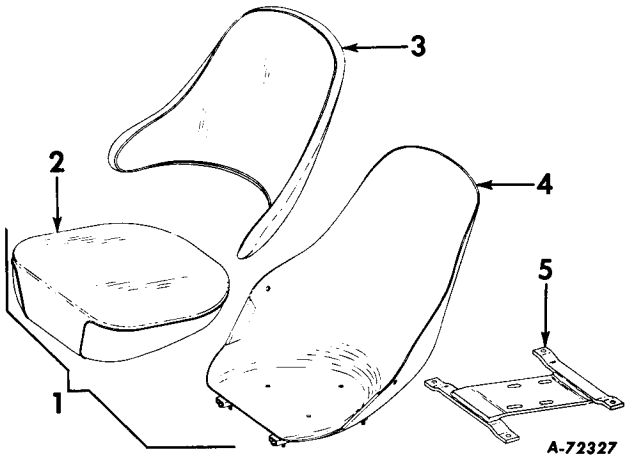
REF. NO.	PART NUMBER	DESCRIPTION
4	469 264 R11	BRACKET ASSY, SEAT SUPPORT -62 TO 64-
		-NOTE A-
		-FURNISH CONVERSION PACKAGE 476 922 R91-
		SCREW, 5/16-18 X 3/4 CD OR ZN-PLTD HEX-HD CAP -4-
		WASHER, 5/16 CD OR ZN-PLTD MED LOCK -4-
5	469 123 R11	SLIDE ASSY, LOWER
6	469 120 R91	FRAME ASSY, HI-BACK PREMIER
9	413 946	NUT, 1/4 CD OR ZN-PLTD HEX. STOVER LOCK
	155 338	SCREW, 1/4 X 1/2 CD OR ZN-PLTD RD-HD MACH
	155 358	SCREW, 1/4 X 1 CD OR ZN-PLTD RD-HD MACH -3-
7	469 122 R91	CUSHION ASSY, PREMIER SEAT
		NUT, 5/16-24 CD OR ZN-PLTD HEX. -4-
		WASHER, 5/16 CD OR ZN-PLTD MED LOCK -4-
8	469 121 R91	BACKREST ASSY, PREMIER
9	104 977 R1	RING, SLIDE HANDLE RETAINING
10	469 125 R1	SPRING, SLIDE ADJUSTING PLUNGER

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		FLOOR PLATE AND SEAT -CONTINUED	
11	469 124 R11	PLUNGER W/KNOB ASSY, SLIDE ADJUSTING	
		WASHER, 11/32 X 11/16 X 16 GA	
12	468 969 R1	HANDLE, SEAT PIVOT	
		-NOTE B-	
		PIN, 1/8 X 1 CD OR ZN-PLTD COT.	
	178 373 R1	WASHER, 17/32 X 1 X 16 GA CD OR ZN-PLTD	
13	76 DS	SPRING, PIVOT HANDLE -NOTE B-	
14	468 968 R1	SADDLE, SEAT -NOTE B-	
		SCREW, 5/16-18 X 7/8 CD OR ZN-PLTD HEX-HD CAP -4-	
		WASHER, 5/16 CD OR ZN-PLTD MED LOCK -4-	
15	468 962 R91	SUPPORT ASSY, SEAT -NOTE B-	
		NUT, 3/8-16 CD OR ZN-PLTD HEX. -2-	
	105 608	NUT, 1/2 REGULAR SQ -2-	
		PIN, 3/16 X 1-1/4 CD OR ZN-PLTD COT.	
P	13 432	PIN, 5/8 X 4-5/8 STD-HD DLD	
		SCREW, 3/8-16 X 3/4 CD OR ZN-PLTD HEX-HD CAP -2-	
		SCREW, 1/2-13 X 1-1/4 CD OR ZN-PLTD HEX-HD CAP -2-	
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2-	
		WASHER, 1/2 CD OR ZN-PLTD MED LOCK -2-	
	131 016	WASHER, 21/32 X 1-5/16 X 13 GA CD OR ZN-PLTD	

NOTE A- FOR 3414 LOADER TRACTORS AND INTERNATIONAL 2424 TRACTOR

NOTE B- FOR INTERNATIONAL 340, 404, 460 504, 606 AND INDUSTRIAL 2404, 2504 AND 2606 TRACTORS

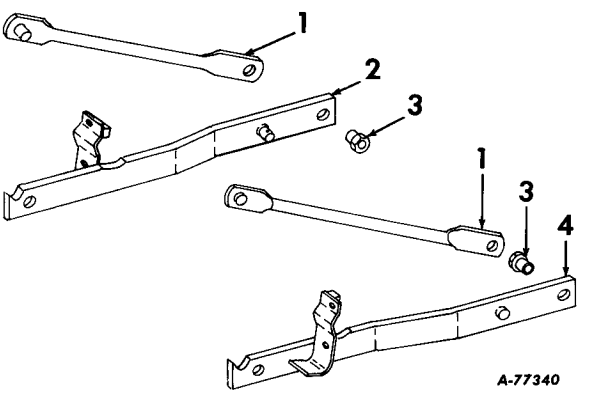
SEAT -JR. ROAD KING- -SPECIAL-



1	470 440 R91	SEAT ASSY, DELUXE
2	470 442 R91	CUSHION ASSY
3	470 443 R91	BACKREST ASSY, SEAT
		NUT, 1/4-20 CD OR ZN-PLTD HEX. -5-
		WASHER, 1/4 CD OR ZN-PLTD INT-TOOTH LOCK -5-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		SEAT -JR. ROAD KING- -SPECIAL- -CONTINUED	
4	470 441 R91	SHELL ASSY, SEAT	
		NUT, 5/16-24 CD OR ZN-PLTD HEX. -4-	
		SCREW, 1/4-20 X 5/8 CD OR ZN-PLTD HEX-HD CAP -2-	
		WASHER, 5/16 CD OR ZN-PLTD MED LOCK -4-	
		WASHER, 1/4 CD OR ZN-PLTD INT-TOOTH LOCK -2-	
5	471 145 R11	BRACKET ASSY, DELUXE SEAT	
		NUT, 5/16-18 CD OR ZN-PLTD HEX. -4-	
		WASHER, 11/32 X 11/16 X .065 -4-	

SUBFRAME AND SUPPORT
-INTERNATIONAL 404 & 2404 TRACTORS-

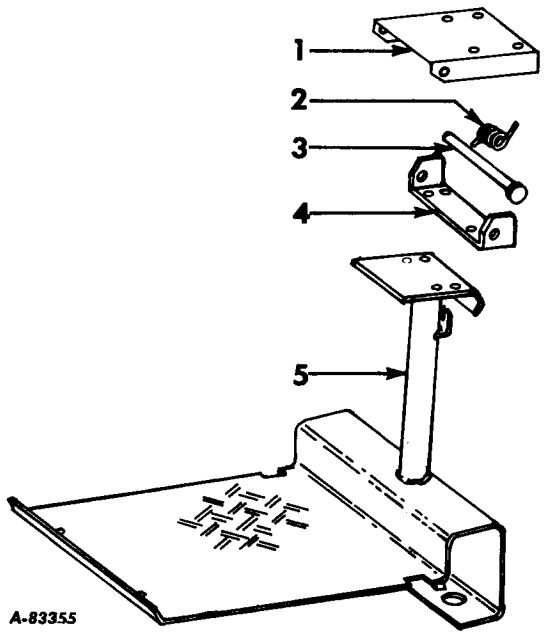


1	469 181 R11	SUPPORT ASSY, MAIN FRAME -2-
2	474 606 R91	SUBFRAME ASSY, LH
		PIN, 1/4 X 2-1/4 CD OR ZN-PLTD COT.
	551 183 R1	WASHER, 1-17/32 X 2-1/2 X 16 GA -AS REQUIRED-
	19 873 R1	SCREW, 3/4-10 X 5-1/2 C-Z HEX-HD CAP -2-
3	469 189 R1	CAM, SUBFRAME MOUNTING -2-
4	474 607 R91	SUBFRAME ASSY, RH
		PIN, 1/4 X 2-1/4 CD OR ZN-PLTD COT.
	551 183 R1	WASHER, 1-17/32 X 2-1/2 X 16 GA -AS REQUIRED-
	19 873 R1	SCREW, 3/4-10 X 5-1/2 C-Z HEX-HD CAP -2-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		COMPLETING PACKAGE -FIELD APPLICATION- -SUBFRAME BOLTS & RELIEF VALVES- -NOTE-	
	474 612 R1	SPACER, LOADER SUBFRAME -2-	
	474 613 R1	SCREW, 1-1/2-6 X 8-1/4 CAP -2-	
	220 096	NUT, 1-1/2-6 CD OR ZN-PLTD HEX. -2-	
	131 052	WASHER, 1-1/2 CD OR ZN-PLTD MED LOCK -2-	
	383 796 R91	VALVE ASSY, RELIEF - 1600 PSI	
	388 208 R91	VALVE ASSY, RELIEF - 2000 PSI	
		NOTE -FOR INTERNATIONAL 340, 404, 460, 504, 606, 2404, 2504 & 2606 TRACTORS WITH 2000 LOADER-	
		SEAT CONVERSION PACKAGE -FLIP-UP FEATURE FOR USE ON I-2424 & 3414 LOADER TRACTOR-	
	476 922 R91	SEAT, FIELD CONVERSION PACKAGE	
	479 905 R2	SUPPORT, SEAT	
	15 068 EB	SPRING, SEAT	
	103 384	PIN, 1/8 X 3/4 COT.	
	625 326 R1	PIN, 3/8 X 6 STD-HD	
	120 394	WASHER, 13/32 X 13/16 X .051	
	477 567 R1	BRACKET, SEAT	
	102 634	NUT, 5/16-18 HEX. -4-	
	179 818	SCREW, 5/16-18 X 1 HEX-HD CAP -4-	
	103 320	WASHER, 5/16 MED LOCK -4-	
		COMPLETING PACKAGE -FIELD APPLICATION- -SUBFRAME BAR & MOUNTING BRACKETS -NOTE-	
	479 102 R1	BAR, SUBFRAME -2-	
	479 104 R1	BAR, SPACER -2-	
	479 103 R1	BOLT, U -2-	
	220 088	NUT, 1-8 C-Z HEX. -4-	
	131 048	WASHER, 1 C-Z MED LOCK -4-	
	479 100 R1	BRACKET, WEIGHT MOUNTING LH	
	479 101 R1	BRACKET, WEIGHT MOUNTING RH	
	271 768	SCREW, 3/4-10 X 1-5/8 C-Z HEX-HD CAP -4-	
	220 086	NUT, 3/4-10 C-Z HEX. -4-	
	271 720	SCREW, 5/8-11 X 1-5/8 C-Z HEX-HD CAP -6-	
	140 807	NIPPLE, 1/2 X 3 PIPE	
	479 098 R91	PLATE ASSY, FRONT WEIGHT MOUNTING	
	479 105 R1	ROD, FRONT WEIGHT BACKING	
	42 691	NUT, 7/8-9 C-Z SQ	
	220 087	NUT, 7/8-9 C-Z HEX.	
	140 537	NIPPLE, 1/2 X 2 PIPE	
		NOTE - FOR T-340A OR TD-340A TRACTOR EQUIPPED W/600 OR 700 BLADE-	

3120 BACKHOE -15- SECTION A

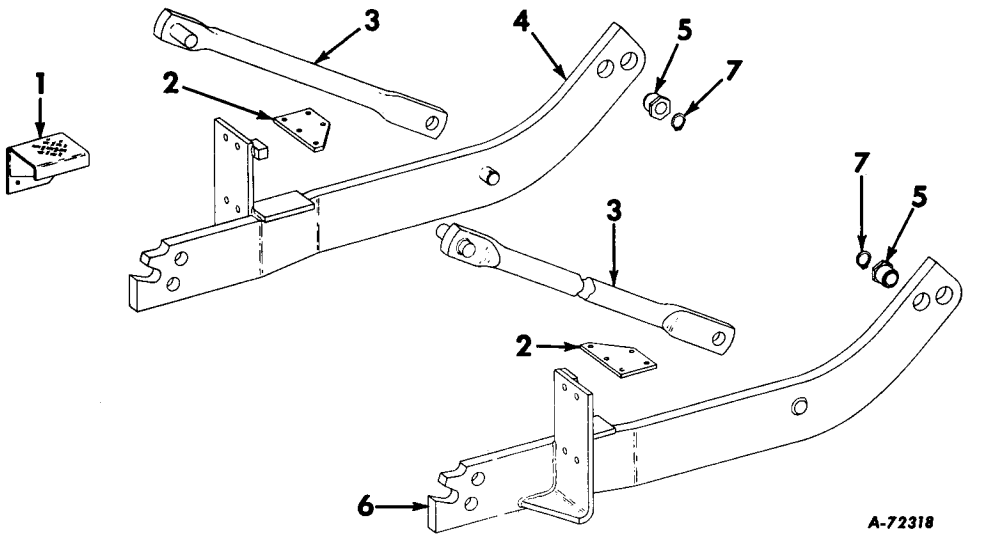
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		SEAT SUPPORT -FLIP-UP FEATURE- -FOR I-2424 & 3414 LOADER TRACTOR- -1965 AND SINCE-	



1	476 905 R2	SUPPORT, SEAT	
2	15 068 EB	SPRING, SEAT	
3	625 326 R1	PIN, 3/8 X 6 STD-HD	
	103 384	PIN, 1/8 X 3/4 COT.	
	120 394	WASHER, 13/32 X 13/16 X .051	
4	477 567 R1	BRACKET, SEAT	
	102 634	NUT, 5/16-18 HEX. -4-	
	179 818	SCREW, 5/16-18 X 1 HEX-HD CAP -4-	
	103 320	WASHER, 5/16 MED LOCK -4-	
5	476 903 R91	PEDESTAL ASSY, BACKHOE FLOOR PLATE	
	120 377	NUT, 3/8-16 C-Z HEX. -2-	
	180 077	SCREW, 5/16 X 3/4 C-Z HEX-HD CAP -4-	
	180 120	SCREW, 3/8-16 X 3/4 C-Z HEX-HD CAP -2-	
	180 175	SCREW, 1/2 X 1-1/4 C-Z HEX-HD CAP -2-	
	120 214	WASHER, 5/16 C-Z LOCK -4-	
	120 382	WASHER, 3/8 C-Z MED LOCK -2-	
	120 384	WASHER, 1/2 C-Z LOCK -2-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME & FENDER BRACKETS -INTERNATIONAL 340,460,504,606,2504 AND 2606 TRACTORS-



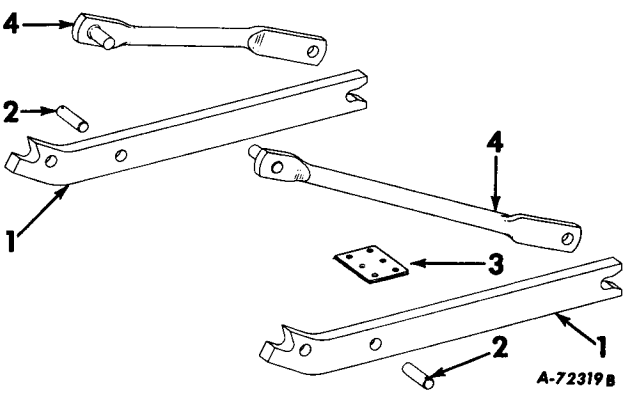
1	470 455 R11	STEP ASSY, TRACTOR TO BACKHOE	
		NUT, 3/8-16 CD OR ZN-PLTD HEX. -4-	
		SCREW, 3/8-16 X 3/4 CD OR ZN-PLTD HEX-HD CAP -4-	
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK -4-	
		WASHER, 3/8 X 1-1/8 X 16 GA CD OR ZN-PLTD FLAT -4-	
2	469 549 R1	BRACKET, FENDER -2-	
		NUT, 1/2-13 CD OR ZN-PLTD HEX. -4-	
		SCREW, 1/2-13 X 1-1/8 CD OR ZN-PLTD HEX-HD CAP -4-	
3	469 181 R11	SUPPORT ASSY, MAIN FRAME -2-	
4	469 182 R11	SUBFRAME ASSY, LEFT	
		NUT, 5/8-11 CD OR ZN-PLTD HEX.	
		PIN, 1/4 X 2-1/4 CD OR ZN-PLTD COT.	
	19 827 R1	SCREW, 5/8-11 X 8 CD OR ZN-PLTD HEX-HD CAP	
		WASHER, 5/8 CD OR ZN-PLTD MED LOCK	
	551 183 R1	WASHER, 1-17/32 X 2-1/2 X 16 GA	
5	469 189 R1	CAM, SUBFRAME MOUNTING -2-	
6	469 183 R11	SUBFRAME ASSY, RIGHT	
		NUT, 5/8-11 CD OR ZN-PLTD HEX.	
		PIN, 1/4 X 2-1/4 CD OR ZN-PLTD COT.	
	19 827 R1	SCREW, 5/8-11 X 8 CD OR ZN-PLTD HEX-HD CAP	
		WASHER, 5/8 CD OR ZN-PLTD MED LOCK	
	551 183 R1	WASHER, 1-17/32 X 2-1/2 X 16 GA	
7	468 283 R1	RING, EXTERNAL RETAINING -2-	

3120 BACKHOE -16- SECTION A

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME & FENDER BRACKETS -INTERNATIONAL -CONTINUED 340,460,504,606,2504 AND 2606 TRACTORS-

SUBFRAME AND FENDER BRACKETS -INTERNATIONAL 3414 LOADER TRACTORS-



1	469 084 R1	SUBFRAME -2- -ORDER TWO 471265 R1-	
1	471 265 R1	SUBFRAME -2-	
2	469 195 R1	PIN, ANCHOR -2-	
Q	1 436	PIN, 3/8 X 2-9/16 STD-HD DLD -2-	
	177 923	PIN, 1/8 X 3/4 CD OR ZN-PLTD COT. -2-	
3	393 824 R1	BRACKET, LOWER FENDER -WILL WORK FOR 469 793 R1-	
	120 378	NUT, 1/2-13 CD OR ZN-PLTD HEX. -2-	
	180 175	SCREW, 102-13 X 1-1/4 C-Z HEX-HD CAP -2-	
	120 384	WASHER, 1/2 CD OR ZN-PLTD MED LOCK -2-	
4	469 086 R11	LINK ASSY, TIE -2-	
	193 244	PIN, 3/8 X 2-1/2 CD OR ZN-PLTD COT. -2-	

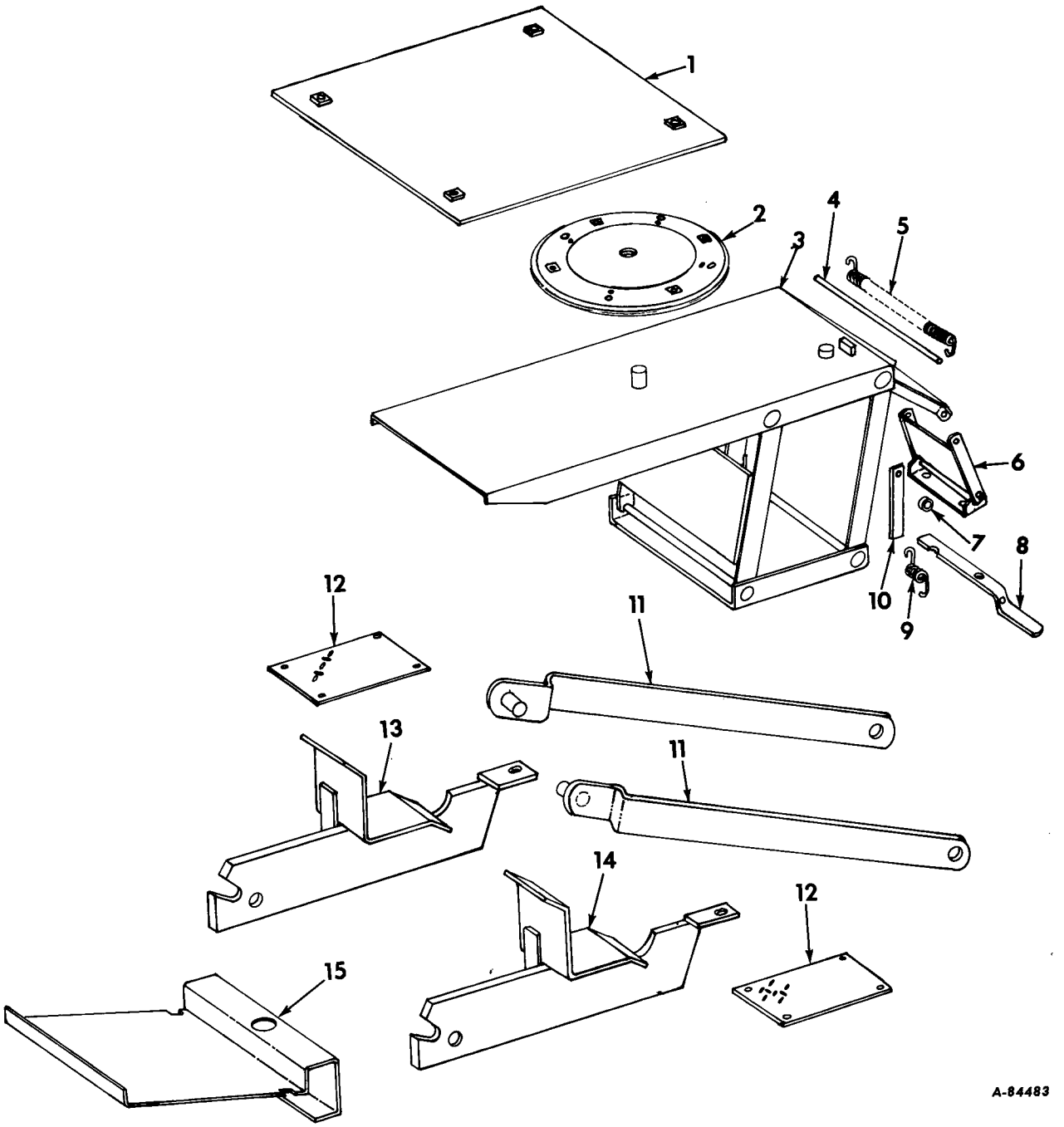
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME AND SEAT SUPPERT
-INTERNATIONAL 3514 & 3616 LOADER TRACTOR-

3120 BACKHOE -17- SECTION A

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME AND SEAT SUPPERT -CONTINUED
-INTERNATIONAL 3514 & 3616 LOADER TRACTOR-



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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		SUBFRAME AND SEAT SUPPERT -CONTINUED	
		-INTERNATIONAL 3514 & 3616 LOADER TRACTOR-	
1	480 721 R91	SWIVEL ASSY, SEAT	
2	476 838 R91	BEARING ASSY, LAZY SUSAN	
	436 750	SCREW, 10-32 X 1/2 PAN HD SLT MACH -4-	
	171 700	SCREW, 8-32 X 1/4 PAN HD SLTD TAPPIN -4-	
	121 841	WASHER, #8 LOCK -4-	
	120 217	WASHER, #10 LOCK -4-	
3	480 731 R91	BASE ASSY, SEAT	
	120 634	NUT, 5/16-18 HEX. -4-	
	107 763	PIN, 1/8 X 5/8 COT.	
	180 085	SCREW, 5/16-18 X 1-3/4 HEX-HD CAP -4-	
Q	1 597	WASHER, 13/32 X 3/4 X 16 GA	
4	480 703 R1	PIN, RETAINER	
	103 383	PIN, 1/8 X 1/2 COT. -2-	
Q	397	WASHER, 11/32 X 3/4 X 16 GA -4-	
5	481 633 R1	SPRING, SEAT RETAINER	
6	480 725 R91	BRACKET ASSY, MOUNTING LIFT	
	120 376	NUT, 5/16-18 C-Z HEX. -6-	
	180 077	SCREW, 5/16-18 X 3/4 C-Z HEX-HD CAP -6-	
	120 214	WASHER, 5/16 C-Z MED LOCK -6-	
Q	1 505	WASHER, 13/32 X 1 X 16 GA	
7	481 895 R1	WASHER, SEAT SAFETY STRAP	
8	476 840 R1	LATCH, LEVER	
9	476 962 R1	SPRING, LATCH	
10	481 894 R1	BAR, SEAT SAFETY STRAP	
11	480 715 R91	BAR ASSY, BACKHOE TIE -2-	
	193 244	PIN, 3/8 X 2-1/2 C-Z COT. -2- IN TRACTOR FRAME	
	551 183 R1	WASHER, 1-17/32 X 2-1/2 X 16 GA USE 1 WITH EACH TIE BAR ASSY OR AS REQD.	
12	481 076 R1	TREAD, FENDER -2-	
	171 754	SCREW, 1/4-20 X 1/2 C-Z PAN-HD SLT TAPPING -8-	
13	480 707 R91	BRACKET ASSY, SUBFRAME LH	
	271 611	SCREW, 3/4-10 X 2 HEX-HD CAP	
14	480 708 R91	BRACKET ASSY, SUBFRAME RH	
	271 611	SCREW, 3/4-10 X 2 HEX-HD CAP	
15	468 963 R11	PLATE ASSY, FLOOR	
	120 377	NUT, 3/8-16 C-Z HEX. -2-	
	180 175	SCREW, 1/2-13 X 1-1/4 C-Z HEX-HD CAP -2-	
	180 121	SCREW, 3/8-16 X 7/8 C-Z HEX-HD CAP -2-	
	120 382	WASHER, 3/8 C-Z MED LOCK -2-	
	120 384	WASHER, 1/2 C-Z MED LOCK -2-	

3120 BACKHOE -18- SECTION A

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

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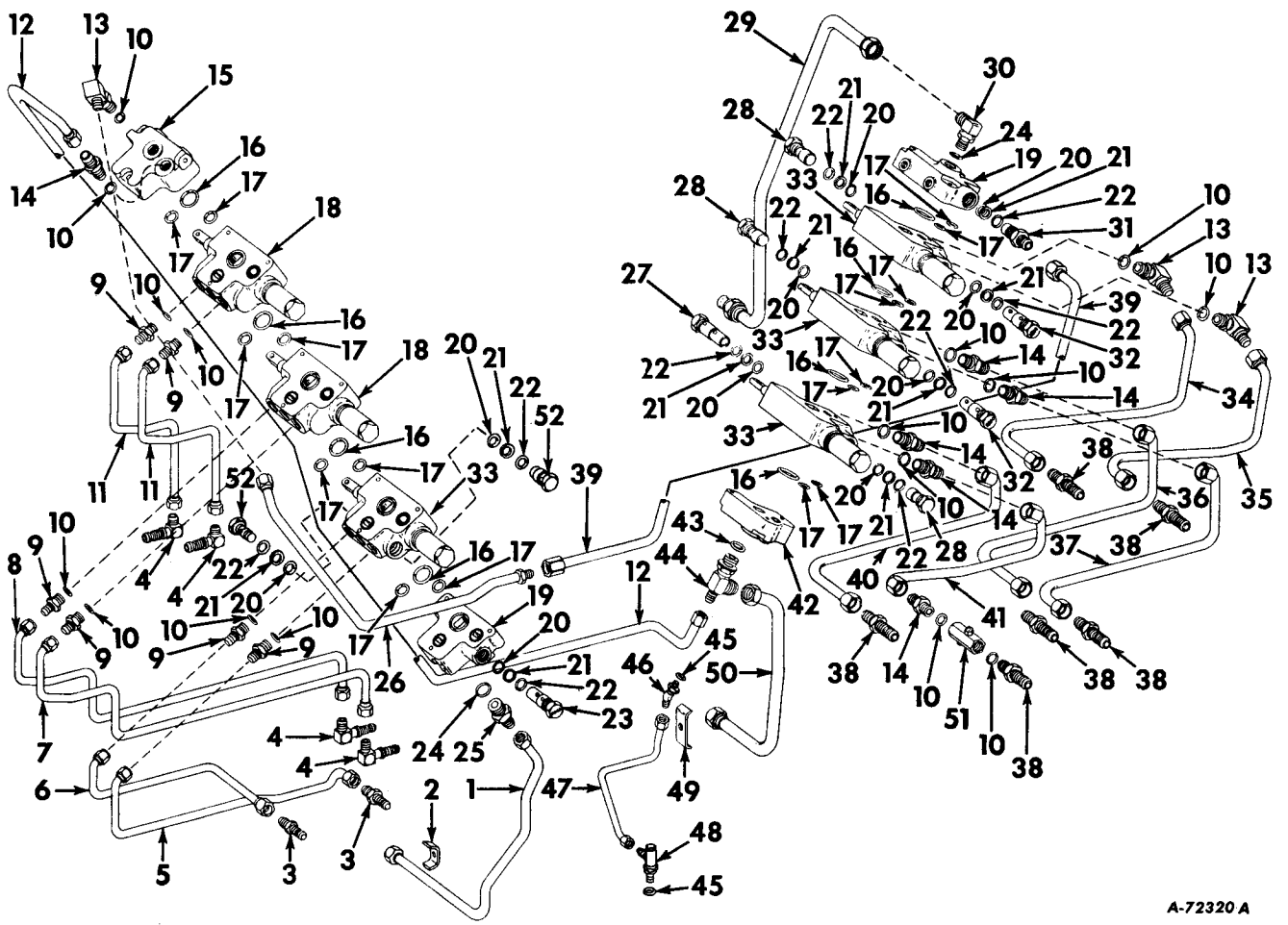
CONTROL VALVES AND TUBES



REF. NO.	PART NUMBER	DESCRIPTION	8KH-1
1	469 991 R11	TUBE ASSY, 7 GAL. PRESSURE INLET	
2	470 245 R1	CLAMP, TUBE	
		NUT, 1/2-13 CD OR ZN-PLTD HEX.	
	180 181	SCREW, 1/2-13 X 2 CD OR ZN-PLTD HEX-HD CAP	
		WASHER, 1/2 CD OR ZN-PLTD MED LOCK	
3	9 403 255	UNION, 3/4-16 CD OR ZN-PLTD FLARED TUBE -2-	
	9 403 294	NUT, 3/4-16 CD OR ZN-PLTD BULKHEAD UNION LOCK -2-	
	138 561	WASHER, 3/4 CD OR ZN-PLTD INT-TOOTH LOCK -2-	
4	469 997 R1	ELBOW, 3/4-16 CD OR ZN-PLTD TUBE -4-	
	9 403 294	NUT, 3/4-16 CD OR ZN-PLTD BULKHEAD UNION LOCK -4-	
	138 561	WASHER, 3/4 CD OR ZN-PLTD INT-TOOTH LOCK -4-	
5	469 986 R11	TUBE ASSY, VALVE TO SWING RH	
6	469 985 R11	TUBE ASSY, VALVE TO SWING LH	
7	469 987 R11	TUBE ASSY, VALVE TO STABILIZER RH LARGE END	
8	469 988 R11	TUBE ASSY, VALVE TO RIGHT STABILIZER ROD END	
9	481 352 R1	CONNECTOR, 5/8 X 1/2 REDUCING -6-	
10	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -16-	
11	469 989 R11	TUBE ASSY, VALVE TO LEFT STABILIZER -2-	
12	469 994 R11	TUBE ASSY, 7 GAL. RETURN	
13	9 410 978	ELBOW, 7/8-14 TUBE ADJ 90 ELBOW -3-	
14	9 410 204	CONNECTOR, 7/8-14 CD OR ZN-PLTD TUBE SWIVEL -6-	
15	380 975 R1	COVER, CONTROL VALVE -FOR STABILIZER AND SWING CONTROL VALVE-	
16	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32 -8-	
17	381 884 R1	O-RING, 1 X 1-3/16 X 3/32 -16- -FOR OPEN CENTER VALVE-SMALL-	

3120 BACKHOE -19- SECTION A

CONTROL VALVES AND TUBES -CONTINUED

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REF. NO.	PART NUMBER	DESCRIPTION BKH-1
	CONTROL VALVES AND TUBES -CONTINUED	
18	376 389 R94	VALVE ASSY, OPEN-CENTER W/O ACCESSORY VALVE CHAMBER -W/1 IN. SPOOL- -STABILIZER AND SWING CYLINDER CONTROL- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF VALVES- -1962- -3-
18	383 271 R92	VALVE ASSY, OPEN-CENTER W/O ACCESSORY VALVE CHAMBER -WITH 7/8 IN SPOOL- -STABILIZER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF VALVES- -1962 & SINCE- -2-
19	380 976 R1	COVER, CONTROL VALVE -2-
	20 059 R1	NUT, 3/8-16 CD OR ZN-PLTD HEX. -6-
		SCREW, 3/8-16 X 9-1/4 HEX-HD CAP -6-
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK -6-
20	383 219 R1	O-RING, 15/16 X 1-1/8 X 3/32 -10-
21	378 985 R2	WASHER, BACK-UP- -10-
22	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32 -10-
23	388 208 R91	VALVE ASSY, PILOT RELIEF -2000 P.S.I.-
24	297 459 R1	O-RING, 1-3/64 X 1-9/32 X 1/8 -2-
25	469 736 R1	CONNECTOR, 7/8 X 5/8 REDUCING
26	469 992 R11	TUBE ASSY, 7 GAL. CARRY OVER
27	382 928 R91	VALVE ASSY, CUSHION RELIEF -2000 P.S.I.-
28	378 899 R1	PLUG, RELIEF VALVE CHAMBER -3-
29	383 378 R11	TUBE ASSY, 17 GAL. PRESSURE -FOR 3414, 3514 AND 3616 LOADER TRACTOR-
29	469 995 R11	TUBE ASSY, 17 GAL. PRESSURE
30	9 410 980	ELBOW, 7/8-14 CD OR ZN-PLTD ADJ 90 DEG
31	469 999 R1	CONNECTOR, RELIEF VALVE
32	382 479 R91	VALVE ASSY, CUSHION RELIEF -2500 P.S.I. -2-
33	376 388 R94	VALVE ASSY, OPEN CENTER W/ACCESSORY VALVE CHAMBER -W/1 IN SPOOL- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF VALVES- -1962- -3-
33	383 270 R92	VALVE ASSY, OPEN CENTER W/ACCESSORY VALVE CHAMBER -WITH 7/8 IN. SPOOL- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF VALVES- -1962 & SINCE -4-
34	469 980 R11	TUBE ASSY, VALVE TO BUCKET - ROD END
35	469 979 R11	TUBE ASSY, VALVE TO BUCKET
36	469 984 R11	TUBE ASSY, VALVE TO CROWD - ROD END
37	469 983 R11	TUBE ASSY, VALVE TO CROWD - LARGE END
38	9 403 256	UNION, 7/8-14 CD OR ZN-PLTD TUBE -6-
	9 403 295	NUT, 7/8-14 CD OR ZN-PLTD BULKHEAD UNION LOCK -6-
	138 566	WASHER, 7/8 CD OR ZN-PLTD INT-TOOTH LOCK -6-
39	469 993 R11	TUBE ASSY, HIGH PRESSURE CARRY OVER
40	469 982 R11	TUBE ASSY, VALVE TO LIFT - ROD END
41	469 981 R11	TUBE ASSY, VALVE TO LIFT - LARGE END
42	380 974 R1	COVER, CONTROL VALVE
43	296 247 R1	O-RING, 1-11/64 X 1-13/32 X 7/64

3120 BACKHOE -20- SECTION A

REF. NO.	PART NUMBER	DESCRIPTION BKH-1
	CONTROL VALVES AND TUBES -CONTINUED	
44	470 244 R1	TEE, ADAPTER
45	364 839 R1	O-RING, 15/32 X 5/8 X 5/64 -2-
46	9 411 104	ELBOW, 9/16-18 CD OR ZN-PLTD TUBE 45 DEG
47	470 961 R11	TUBE ASSY, SWING MECHANISM DRAIN
48	471 521 R91	VALVE ASSY, O-RING BOSS 90 DEG CHECK -1962 TO 1965-
48	9 410 976	ELBOW, O-RING BOSS 90 DEG ADJ -1965 AND SINCE-
49	469 996 R1	CLAMP, DOUBLE TUBE
		NUT, 1/2-13 CD OR ZN-PLTD HEX.
		SCREW, 1/2-13 X 2-1/4 CD OR ZN-PLTD HEX-HD CAP
		WASHER, 1/2 CD OR ZN-PLTD MED LOCK
50	469 990 R11	TUBE ASSY, DUMP LINE
50	383 379 R11	TUBE ASSY, DUMP LINE -FOR 3414, 3514 AND 3616 LOADER TRACTOR-
51	470 776 R91	VALVE ASSY, FLOW CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF VALVES-
52	387 229 R91	VALVE ASSY, ANTI-CAVITATION -2- -FOR SWING CONTROL VALVE-

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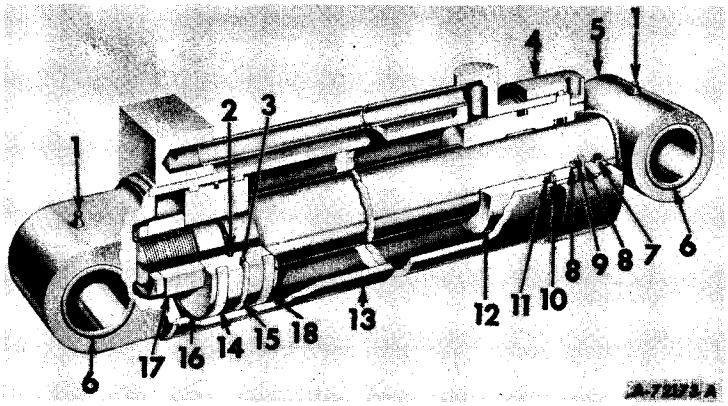
HYDRAULIC CYLINDERS -1962 & 63-



REF. NO.	PART NUMBER	DESCRIPTION
	381 063 R92	CYLINDER ASSY, 3-1/2 X 18.19 -FOR LEFT STABILIZER- -DOUBLE ACTION- -FURNISH 385612 R91, 474285 R11, 474286 R11, TWO 9410203 AND TWO 570828 R1- -UNIT A-
	381 064 R92	CYLINDER ASSY, 3-1/2 X 18.19 -FOR RIGHT STABILIZER- -DOUBLE ACTION- -FURNISH 385613 R91, 474285 R11, 474286 R11, TWO 9410203 AND TWO 570828 R1- -UNIT B-
	381 065 R92	CYLINDER ASSY, 4 X 33.7 -FOR LIFT AND CROWD- -DOUBLE ACTION- -2- -ORDER 384 253 R91- -UNIT C-
	384 253 R91	CYLINDER ASSY, 4 X 33.7 -FOR LIFT AND CROWD- -DOUBLE ACTION- -2- -FURNISH 385616 R91, 474287 R11, 474288 R11, TWO 9410204 AND TWO 364885 R1- -UNIT C-
	381 062 R92	CYLINDER ASSY, 4 X 33.7 -FOR LIFT BUCKET- -DOUBLE ACTION- -FURNISH 385609 R91, 474284 R11, 9410204 AND 364885 R1- -UNIT D-
		NOTE -LETTERS OF THESE UNITS CORRESPOND WITH THOSE SHOWN, FOLLOWING THE DESCRIPTION OF THE PARTS IN THE LIST BELOW AND IDENTIFY THE UNIT FOR WHICH THE PART IS USED. ITEMS WITHOUT LETTER AFTER THE DESCRIPTION INDICATE THE PART IS USED FOR ALL UNITS.
1	273 355	FITTING, 1/4 STR DRIVE TYPE LUB -2 FOR UNIT A & B- 1 FOR UNIT C AND D-
1	273 360	FITTING, 1/8-65 DEG ANGLE DRIVE TYPE LUB -UNIT C-
1	109 462	FITTING, 1/8-90 DEG ELBOW LUB -UNIT D-
2	252 483 R1	O-RING, 1-1/4 X 1-1/2 X 1/8 -PISTON ROD-
2	293 739 R1	O-RING, 1-3/8 X 1-5/8 X 1/8 -PISTON ROD- -UNIT C- -USE WITH ROD 384 254 R11

-21- SECTION A
3120 BACKHOE
BKH-1

HYDRAULIC CYLINDERS -1962 & 63- -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
3	380 910 R1	O-RING, 3 X 3-3/16 X 3/32 -PISTON SEAL- -UNIT A, B AND D-
3	381 109 R1	O-RING, 3-1/2 X 3-11/16 X 3/32 -PISTON SEAL - UNIT C-
4	381 089 R1	RING, FRONT HEAD RETAINING -UNIT A, B AND D-
4	381 111 R1	RING, FRONT HEAD RETAINING -UNIT C-
5	381 097 R21	ROD W/BUSHING, PISTON -UNIT A AND B-
5	381 104 R21	ROD W/BUSHING, PISTON -UNIT C -ORDER ROD 384254 R11, PISTON 384255 R1, LOCK NUT, 272710 AND O-RING, 293739 R1-
5	384 254 R11	ROD W/BUSHING, PISTON - UNIT C-
5	381 078 R21	ROD W/BUSHING, PISTON -UNIT D-
6	468 280 R1	BUSHING, CYLINDER HEAD -4- -UNIT A, B AND D-
6	468 366 R1	BUSHING, CYLINDER HEAD -4- -UNIT C-
7	327 219 R91	WIPER, PISTON ROD
8	381 083 R1	WASHER, PISTON ROD BACK-UP -2-
9	381 082 R1	O-RING, PISTON SEAL
10	381 088 R1	WASHER, FRONT HEAD BACK-UP -UNIT A, B AND D-
10	381 107 R1	WASHER, FRONT HEAD BACK-UP -UNIT C-
11	352 216 R1	O-RING, 3-1/8 X 3-1/2 X 3/16 -FRONT HEAD- -UNIT A, B AND D-
11	252 736 R1	O-RING, 3-5/8 X 4 X 3/16 -FRONT HEAD- -UNIT C-
12	381 080 R1	HEAD, FRONT -UNIT A, B AND D-
12	381 106 R1	HEAD, FRONT -UNIT C-
13	381 090 R91	CYLINDER W/BUSHING, HYD LH -UNIT A- -FURNISH 385614 R91, 474285 R11, 474286 R11, TWO 9410203 AND TWO 570828 R1-

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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	HYDRAULIC CYLINDERS -1962 & 63- -CONTINUED		
13	381 091 R91	CYLINDER W/BUSHING, HYD RH -UNIT B- -FURNISH 385615 R91, 474285 R11, 474286 R11, TWO 9410203 AND TWO 570828 R1-	
13	381 087 R91	CYLINDER W/BUSHING, HYD -UNIT C- -FURNISH 385617 R91, 474287 R11, 474288 R11, TWO 9410204 AND TWO 364885 R1-	
13	381 073 R91	CYLINDER W/BUSHING, HYD -UNIT D- -FURNISH 385 610 R91, 474284 R11, 9410204 AND 364885 R1-	
14	383 005 R1	RING, PISTON BEARING REAR -UNIT A, B AND D-	
14	383 006 R1	RING, PISTON BEARING REAR -UNIT C-	
15	381 086 R1	SEAL, PISTON -UNIT A,B AND D-	
15	381 110 R1	SEAL, PISTON -UNIT C-	
16	381 084 R2	PISTON -UNIT A, B AND D-	
16	381 108 R2	PISTON -UNIT C- -ORDER	
		PISTON 384 255 R1	
		ROD 384 254 R11	
		LOCK NUT 384 817 R1	
		O-RING 293 739 R1	
16	384 255 R1	PISTON -UNIT C-	
17	20 251 R1	NUT, 1-1/8 UNF CD OR ZN-PLTD -UNIT A, B AND D-	
17	272 706	NUT, 1-1/8 UNF LOCK -UNIT C-	
17	384 817 R1	NUT, 1-1/2 UNF LOCK -UNIT C- -USE WITH ROD 384 254 R11-	
18	381 085 R1	RING, PISTON BEARING FRONT -UNIT A, B AND D-	
18	381 112 R1	RING, PISTON BEARING FRONT -UNIT C-	
19	471 267 R91	PACKAGE, HYD CYL SERVICE -UNIT A AND B- CONSISTS OF-	
		1 O-RING 252 483 R1	
		1 O-RING 352 216 R1	
		1 O-RING 380 910 R1	
		1 O-RING 381 082 R1	
		1 O-RING 381 085 R1	
		1 RING 383 005 R1	
		1 SEAL 381 086 R1	
		2 WASHER 381 083 R1	
		1 WASHER 381 088 R1	
		1 WIPER 327 219 R91	
	471 266 R92	PACKAGE, HYD CYL SERVICE -UNIT C AND D- CONSISTS OF-	
		1 O-RING 252 483 R1	
		1 O-RING 252 736 R1	
		1 O-RING 381 082 R1	
		1 O-RING 381 107 R1	
		1 O-RING 381 109 R1	
		1 O-RING 381 112 R1	
		1 O-RING 293 739 R1	
		1 RING 383 006 R91	
		1 SEAL 381 110 R1	
		2 WASHER 381 083 R1	
		1 WIPER 327 219 R91	

3120 BACKHOE -22- SECTION A

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

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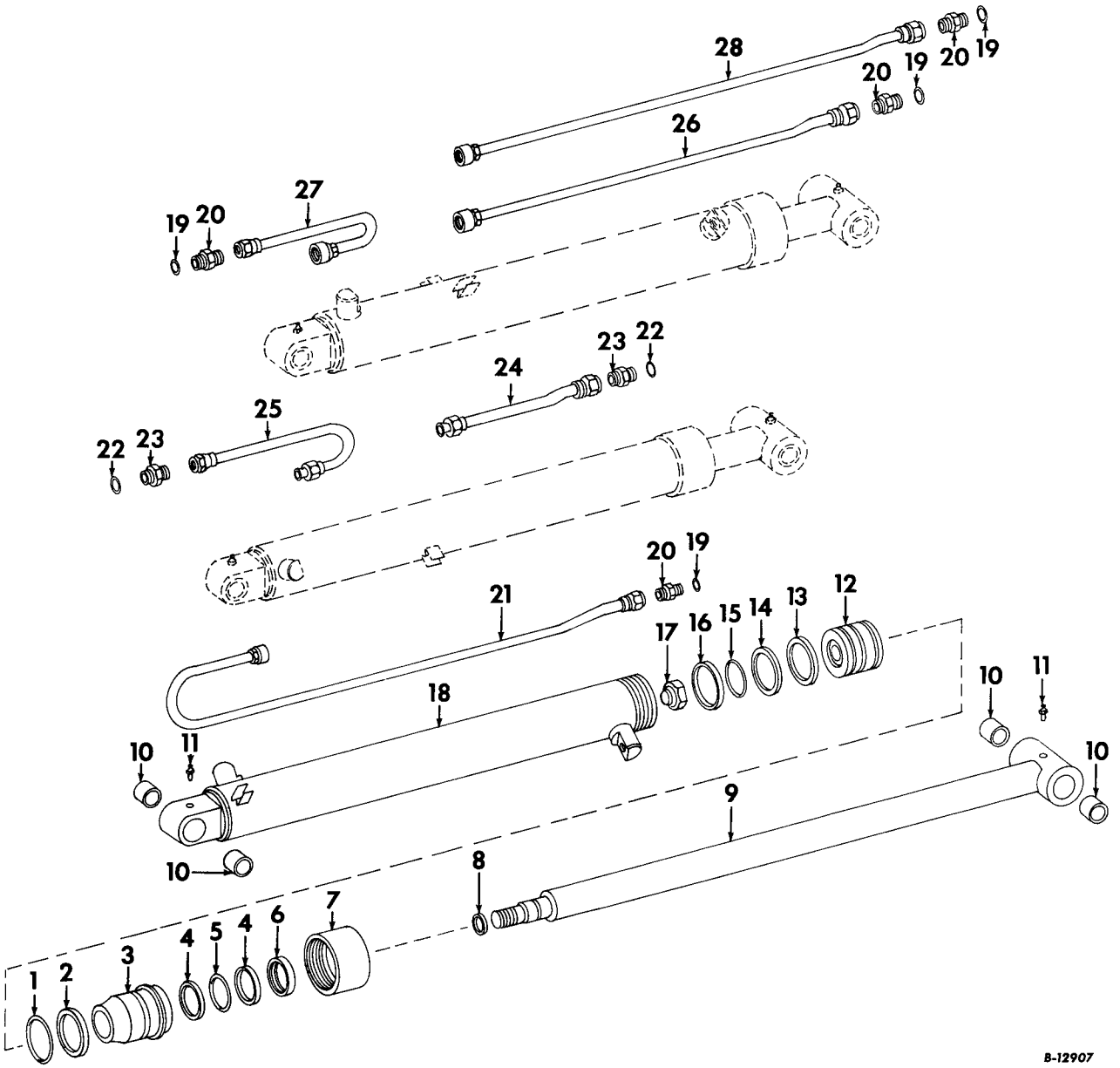
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CYLINDERS -1963 & SINCE-	

3120 BACKHOE -23- SECTION A

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CYLINDERS -1963 & SINCE- -CONTINUED	



385 612 R91 CYLINDER ASSY, 3-1/2 X 18.19 -FOR LEFT STABILIZER- -DOUBLE ACTION- -UNIT A-

385 613 R91 CYLINDER ASSY, 3-1/2 X 18.19 -FOR RIGHT STABILIZER- -DOUBLE ACTION- -UNIT B-

385 616 R91 CYLINDER ASSY, 4 X 33.7- -FOR CROWD AND LIFT- -DOUBLE ACTION- -2- -UNIT C-

385 609 R91 CYLINDER ASSY, 3-1/2 X 27 -FOR BUCKET- -DOUBLE ACTION- -UNIT D-

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REF. NO.	PART NUMBER	DESCRIPTION	8KH-1
		HYDRAULIC CYLINDERS -1963 & SINCE- -CONTINUED	
		NOTE -LETTERS OF THESE UNITS CORRESPOND WITH THOSE SHOWN, FOLLOWING THE DESCRIPTION OF THE PARTS IN THE LIST BELOW AND IDENTIFY THE UNIT FOR WHICH THE PART IS USED. ITEMS WITHOUT LETTERS AFTER THE DESCRIPTION INDICATE THE PART IS USED FOR ALL UNITS.	
1	352 216 R1	O-RING, 3-1/8 X 3-1/2 X 3/16 -FRONT HEAD- -UNIT A, B AND D-	
1	347 801 R1	O-RING, 3-5/8 X 4 X 3/16 -FRONT HEAD- -UNIT C-	
2	381 088 R1	WASHER, FRONT HEAD BACK-UP -UNIT A, B AND D-	
2	381 107 R1	WASHER, FRONT HEAD BACK-UP -UNIT C-	
3	381 080 R1	HEAD, FRONT -UNIT A, B AND D-	
3	381 106 R1	HEAD, FRONT -UNIT C-	
4	381 083 R1	WASHER, PISTON ROD BACK-UP -2-	
5	381 082 R1	O-RING, PISTON ROD	
6	327 219 R91	WIPER, PISTON ROD	
7	381 089 R1	RING, FRONT HEAD RETAINING -UNIT A, B AND D-	
7	381 111 R1	RING, FRONT HEAD RETAINING -UNIT C-	
8	252 483 R1	O-RING, 1-1/4 X 1-1/2 X 1/8 -PISTON ROD- -UNIT A, B AND D-	
8	493 739 R1	O-RING, 1-3/8 X 1-5/8 X 1/8 -PISTON ROD- -UNIT C-	
9	381 097 R21	ROD W/BUSHING, PISTON -UNIT A AND B-	
9	384 254 R11	ROD W/BUSHING, PISTON -UNIT C-	
9	381 078 R21	ROD W/BUSHING, PISTON -UNIT D-	
10	468 280 R1	BUSHING -UNIT A, B AND D- -4-	
10	468 366 R1	BUSHING -UNIT C- -4-	
11	109 461	FITTING, 1/8-27 PTF STR LUB -2 FOR UNIT A & B- -1 FOR UNIT C & D-	
11	126 152	FITTING, 1/8-27 PTF 45 DEG ANGLE LUB -1 FOR UNIT C & D-	
12	381 084 R2	PISTON -UNIT A, B AND D-	
12	384 255 R1	PISTON -UNIT C-	
13	381 085 R1	RING, PISTON BEARING - FRONT -UNIT A, B AND D-	
13	381 112 R1	RING, PISTON BEARING - FRONT -UNIT C-	
14	381 086 R1	SEAL, PISTON -UNIT A, B AND D-	
14	381 110 R1	SEAL, PISTON -UNIT C-	
15	380 910 R1	O-RING, 3 X 3-3/16 X 3/32 -PISTON SEAL- -UNIT A, B AND D-	
15	381 109 R1	O-RING, 3-1/2 X 3-11/16 X 3/32 -PISTON SEAL -UNIT C-	
16	383 005 R1	RING, PISTON BEARING REAR -UNIT A, B AND D-	
16	383 006 R1	RING, PISTON BEARING REAR -UNIT C-	

3120 BACKHOE -24- SECTION A

REF. NO.	PART NUMBER	DESCRIPTION	8KH-1
		HYDRAULIC CYLINDERS -1963 & SINCE- -CONTINUED	
17	20 251 R1	NUT, 1-1/8 UNF CD OR ZN-PLTD CONELOK -UNIT A, B AND D-	
17	384 817 R1	NUT, 1-1/2 UNF CD OR ZN-PLTD LOCK -UNIT C-	
18	385 614 R91	CYLINDER W/BUSHING, HYD LH -UNIT A-	
18	385 615 R91	CYLINDER W/BUSHING, HYD RH -UNIT B-	
18	385 617 R91	CYLINDER W/BUSHING, HYD -UNIT C-	
18	385 610 R91	CYLINDER W/BUSHING, HYD -UNIT D-	
19	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -2 FOR UNIT C- -1 FOR UNIT D-	
20	9 410 204	CONNECTOR, 7/8-14 37 DEG FLARED SHORT SWIVEL -2 FOR UNIT C- -1 FOR UNIT D-	
21	474 284 R11	TUBE ASSY, BUCKET CYLINDER RETURN -UNIT D-	
22	570 828 R1	O-RING, .644 X .087 -2- -UNIT A AND B-	
23	9 410 203	CONNECTOR, 3/4-16 37 DEG FLARED SHORT SWIVEL -2- -UNIT A AND B-	
24	474 286 R11	TUBE ASSY, STABILIZER CYLINDER REAR -2- -UNIT A AND B-	
25	474 285 R11	TUBE ASSY, STABILIZER CYLINDER FRONT -2- -UNIT A AND B-	
26	474 287 R11	TUBE ASSY, LIFT CYLINDER ROD END -2- -UNIT C-	
27	474 288 R11	TUBE ASSY, LIFT CYLINDER HEAD END -2- -UNIT C-	
28		NOT USED	
	471 267 R91	PACKAGE, HYD CYL SERVICE -UNIT A, B, AND D- CONSISTS OF-	
		1 O-RING 252 483 R1	
		1 O-RING 352 216 R1	
		1 O-RING 380 910 R1	
		1 O-RING 381 082 R1	
		1 O-RING 381 085 R1	
		1 RING 383 005 R1	
		1 SEAL 381 086 R1	
		2 WASHER 381 083 R1	
		1 WASHER 381 088 R1	
		1 WIPER 327 219 R91	
	471 266 R92	PACKAGE, HYD CYL SERVICE -UNIT C- CONSISTS OF-	
		1 O-RING 252 483 R1	
		1 O-RING 347 801 R1	
		1 O-RING 381 082 R1	
		1 O-RING 381 107 R1	
		1 O-RING 381 109 R1	
		1 O-RING 381 112 R1	
		1 O-RING 293 739 R1	
		1 RING 383 006 R91	
		1 SEAL 381 110 R1	
		2 WASHER 381 083 R1	
		1 WIPER 327 219 R91	

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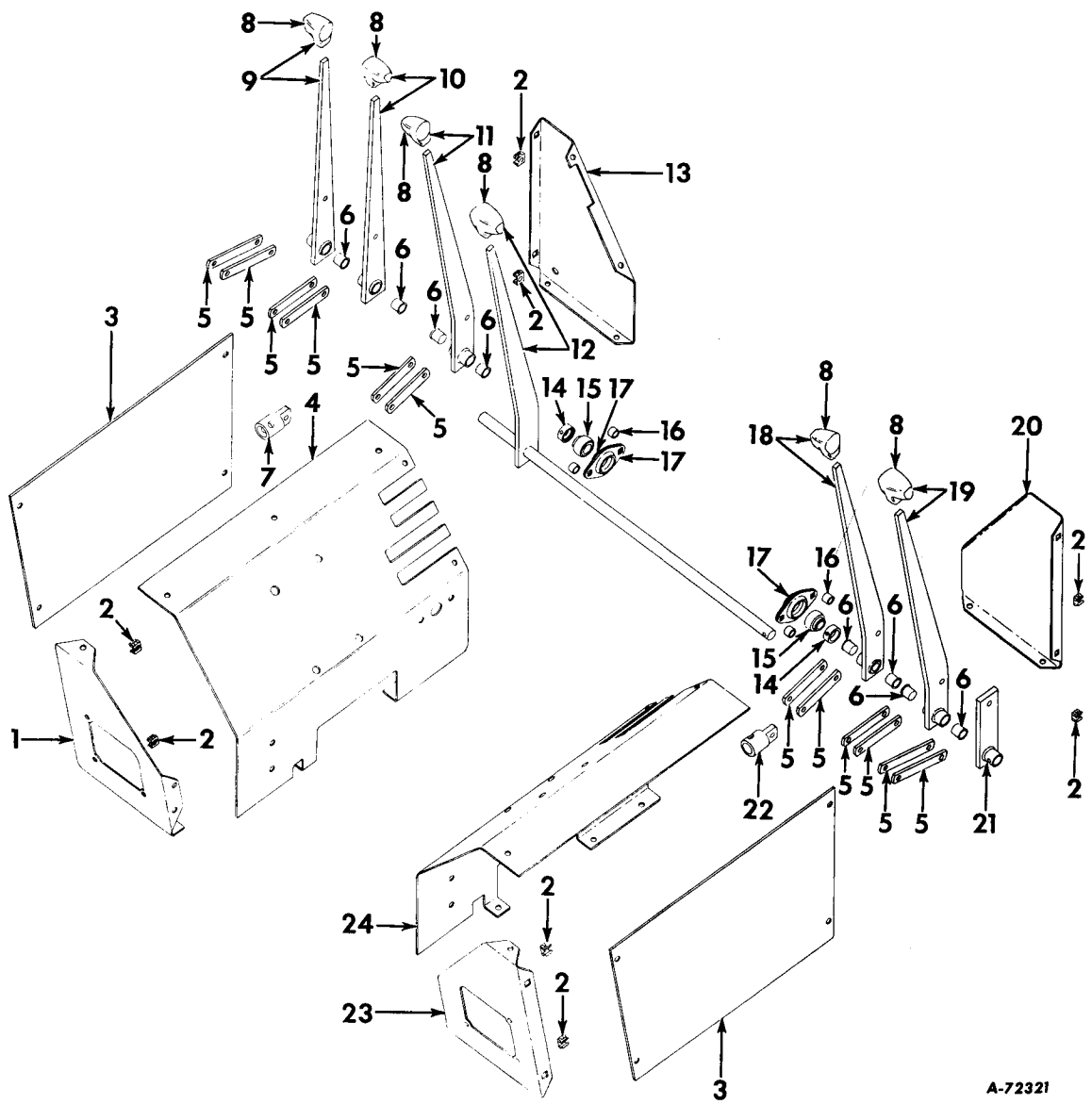
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONTROLS



1 468 735 R1 PLATE, LEFT REAR VALVE COVER
NUT, 3/8-16 CD OR ZN-PLTD HEX. -2-
SCREW, 3/8-16 X 1 CD OR ZN-PLTD HEX-HD CAP -2-
WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2-

2 459 063 R1 RETAINER, 5/16 SPEED GRIP NUT -8-

3 468 739 R1 PLATE, LEFT SIDE VALVE COVER -2-
SCREW, 5/16-18 X 5/8 CD OR ZN-PLTD HEX-HD CAP -8-

3120 BACKHOE -25- SECTION A

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONTROLS -CONTINUED

4 468 741 R1 PLATE, LEFT VALVE MOUNTING
NUT, 5/16-18 CD OR ZN-PLTD HEX. -5-
NUT, 3/8-16 CD OR ZN-PLTD HEX. -3-
SCREW, 5/16-18 X 5/8 CD OR ZN-PLTD HEX-HD CAP -5-
SCREW, 3/8-16 X 1 CD OR ZN-PLTD HEX-HD CAP -3-
SCREW, 1/2-13 X 7/8 CD OR ZN-PLTD HEX-HD CAP -4-
WASHER, 5/16 CD OR ZN-PLTD MED LOCK -5-
WASHER, 3/8 CD OR ZN-PLTD MED LOCK -3-
WASHER, 1/2 CD OR ZN-PLTD MED LOCK -4-

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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONTROLS -CONTINUED	
5	468 743 R1	LINK, CONTROL LEVERS -12-	
B	92 1/2	PIN, 3/8 X 7/8 STD-HD -12-	
		PIN, 1/8 X 3/4 CD OR ZN-PLTD COT. -12-	
6	185 062 R1	BEARING, CONTROL LEVER FLANGED -8-	
7	471 531 R1	LINK, SPOOL ACTUATING LEFT -FOR 7/8 IN. SPOOL- -3-	
7	469 158 R1	LINK, SPOOL ACTUATING LEFT -FOR 1 IN. SPOOL- -3-	
	17 158 R1	PIN, 1/2 X 1-1/4 ESNA ROLL -3-	
8	468 708 R1	KNOB, CONTROL LEVER -6-	
9	468 709 R91	LEVER W/KNOB, LEFT STABILIZER CONTROL	
10	468 710 R91	LEVER W/KNOB, RIGHT STABILIZER CONTROL	
11	468 713 R91	LEVER W/KNOB, SWING CONTROL	
12	468 705 R91	LEVER AND SHAFT ASSY, BUCKET CONTROL	
13	468 737 R1	PLATE, LEFT FRONT VALVE COVER	
		NUT, 3/8-16 CD OR ZN-PLTD HEX. -2-	
		SCREW, 3/8-16 X 1 CD OR ZN-PLTD HEX-HD CAP -2-	
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2-	
14	455 958 R11	COLLAR ASSY, CONTROL LEVER BALL BEARING LOCKING -2-	
15	455 957 R91	BEARING, CONTROL LEVER BALL -2-	
16	469 925 R1	SPACER, CONTROL BEARING -4-	
17	469 924 R1	FLANGE, CONTROL LEVER BALL BEARING MOUNTING -4-	
		NUT, 5/16-18 CD OR ZN-PLTD HEX. -4-	
		SCREW, 5/16-18 X 1 CD OR ZN-PLTD HEX-HD CAP -4-	
		WASHER, 5/16 CD OR ZN-PLTD EXT-TOOTH LOCK -4-	
18	468 717 R91	LEVER ASSY, LIFT CONTROL	
19	468 714 R91	LEVER W/KNOB, CROWD CYL CONTROL	
20	468 738 R1	PLATE, RIGHT FRONT VALVE COVER	
		NUT, 3/8-16 CD OR ZN-PLTD HEX. -2-	
		SCREW, 3/8-16 X 1 CD OR ZN-PLTD HEX-HD CAP -2-	
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2-	
21	468 396 R11	LEVER, BUCKET CONTROL	
	106 751	KEY, 3/16 X 3/4 WOODRUFF 9	
	139 074	SCREW, 3/8-24 X 5/16 HEX-SOC-HD CUP-PT SET	
22	471 532 R1	LINK, SPOOL ACTUATING RIGHT -FOR 7/8 IN. SPOOL- -3-	
22	469 159 R1	LINK, SPOOL ACTUATING RIGHT -FOR 1 IN. SPOOL- -3-	
	17 158 R1	PIN, 1/2 X 1-1/4 ESNA ROLL -3-	
23	468 736 R1	PLATE, RIGHT REAR VALVE COVER	
		NUT, 3/8-16 CD OR ZN-PLTD HEX. -2-	
		SCREW, 3/8-16 X 1 CD OR ZN-PLTD HEX-HD CAP -2-	
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2-	

3120 BACKHOE -26- SECTION A

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONTROLS -CONTINUED	
24	468 742 R1	PLATE, RIGHT VALVE MOUNTING	
		NUT, 5/16-18 CD OR ZN-PLTD HEX. -5-	
		NUT, 3/8-16 CD OR ZN-PLTD HEX. -3-	
		SCREW, 5/16-18 X 5/8 CD OR ZN-PLTD HEX-HD CAP -5-	
		SCREW, 3/8-16 X 1 CD OR ZN-PLTD HEX-HD CAP -3-	
		SCREW, 1/2-13 X 7/8 CD OR ZN-PLTD HEX-HD CAP -4-	
		WASHER, 5/16 CD OR ZN-PLTD MED LOCK -5-	
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK -3-	
		WASHER, 1/2 CD OR ZN-PLTD MED LOCK -4-	

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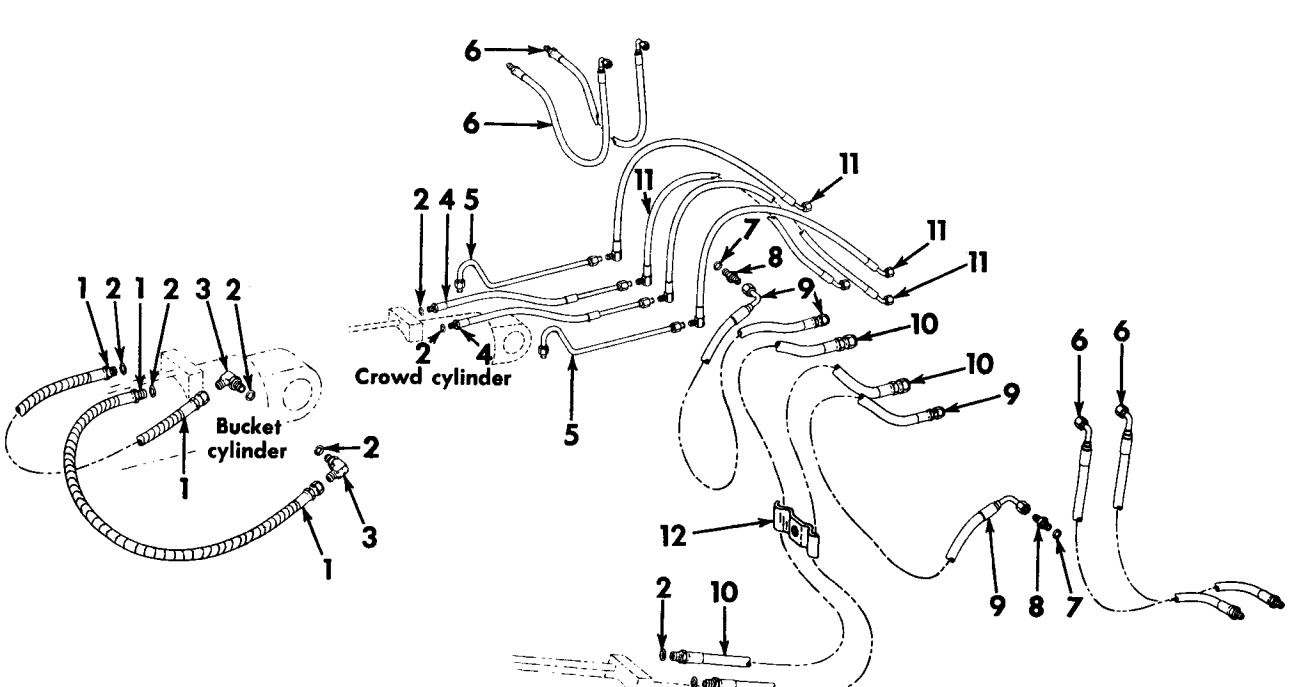
HYDRAULIC CONNECTIONS - BASIC-



REF. NO.	PART NUMBER	DESCRIPTION
1	470 252 R91	HOSE ASSY, -38 IN. LONG- -2- -BOOM TO BUCKET CYLINDER-
2	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -8-
3	9 410 978	ELBOW, 7/8-14 TUBE ADJ 90 DEG ELBOW -2-
4	471 922 R91	HOSE ASSY, HYD -34 IN. LONG -2- -BOOM HOSE TO CROWD CYLINDER-
5	471 932 R11	TUBE ASSY, BOOM TO HOSE -2-
6	470 256 R91	HOSE ASSY, HYD -24 IN. LONG -4- -BULKHEAD TO STABILIZER CYLINDER-
7	364 839 R1	O-RING, 15/32 X 5/8 X 5/64 -2-
8	9 410 202	CONNECTOR, 9/16-18 CD OR ZN-PLTD TUBE -2-
9	470 255 R91	HOSE ASSY, HYD -40 IN. LONG- -2- -BULKHEAD TO SWING-
10	470 253 R91	HOSE ASSY, HYD -51 IN. LONG- -2- -BULKHEAD TO LIFT CYLINDER-
11	471 923 R91	HOSE ASSY, HYD -41-1/2 IN. LONG- -4- -BULKHEAD TO BOOM-
12	469 998 R1	CLAMP, HYD HOSE
		NUT, 1/2-13 CD OR ZN-PLTD HEX.
	120 238	NUT, 1/2-13 CD OR ZN-PLTD HEX. JAM

3120 BACKHOE -27- SECTION A
BKH-1
HYDRAULIC CONNECTIONS - BASIC- -CONTINUED

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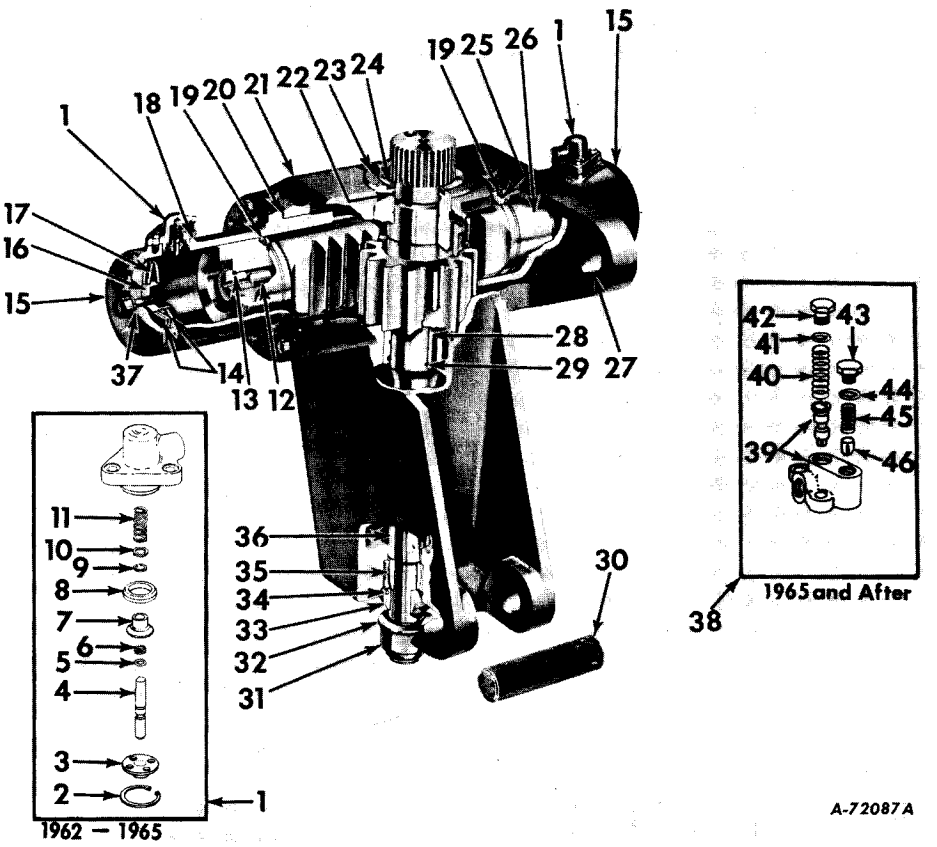
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SWING MECHANISM



1	468 972 R13	VALVE ASSY, DECELERATOR -2- -ORDER VALVE 392 941 R91, 3 SCREWS 138 221 AND O-RING 481 767 R1-
	138 221	SCREW, 5/16-18 X 3/4 HEX-HD SOC CAP -6-
2		RING, VALVE PIN GUIDE INTERNAL RETAINING -2- -ORDER 392 941 R91-
3		GUIDE, VALVE PIN -2- -ORDER 392 941 R91-
4		PIN, VALVE ACTUATING -2- -ORDER 392 941 R91-
5		O-RING, 3/16 X 5/16 X 1/16 -2- -ORDER 392 941 R91-
6		RING, VALVE PIN BACKUP -2- -ORDER 392 941 R91-
7		VALVE, POPPET -2- -ORDER 392 941 R91-
8		SEAT, VALVE -2- -ORDER 392 941 R91-
9		RING, VALVE PIN EXT RETAINING -2- -ORDER 392 941 R91-
10		WASHER, VALVE PIN SPRING RETAINING -2- -ORDER 392 941 R91-

3120 BACKHOE -28- SECTION A

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SWING MECHANISM -CONTINUED

11		SPRING, VALVE -2- -ORDER 392 941 R91-
12	382 992 R91	VALVE ASSY, SWING PISTON SAFETY -2-
12	394 311 R91	VALVE ASSY, SWING PISTON SAFETY -2- -FOR USE ON 3514 AND 3616 TRACTOR-
13	296 247 R1	O-RING, 1-11/64 X 1-13/32 X 7/64 -2-
14	468 345 R1	SPRING, SWING PISTON BUMPER -4-
15	468 341 R1	CYLINDER, BACKHOE SWING -2- -1962 TO 1965-
	479 914 R1	SCREW, 1/2-13 X 1-1/2 HEX-HD CAP -12 SCREW, 1/2-13 X 1-1/2 CD OR ZN-PLTD HEX-HD CAP -2-
	11 002 VA	WASHER, 17/32 X 7/8 X 16 GA -2-
15	481 807 R1	CYLINDER, BACKHOE SWING -2- -1965 AND SINCE-
	484 667 R1	SCREW, 5/8-11 X 1-1/2 HEX-HD CAP -16- -1965 AND SINCE-
	180 177	SCREW, 1/2-13 X 1-1/2 C-Z HEX-HD CAP -2-
	11 022 VA	WASHER, 17/32 X 7/8 X 16 GA -2-
16	468 343 R1	RETAINER, SWING CYL BUMPER SPRING -2-
17	470 471 R1	SPRING, SWING PISTON BUMPER -2-
18	375 269 R1	O-RING, 1-1/2 X 1-11/16 X 3/32 -2-
19	468 340 R1	RING, SWING PISTON -2-
20	285 253 R1	O-RING, 5-1/2 X 5-3/4 X 1/8 -BACKHOE SWING CYL -2-

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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	SWING MECHANISM -CONTINUED		
21	468 329 R11	HOUSING W/BUSHINGS, SWING -1962 TO 1965-	
21	481 806 R21	HOUSING W/BUSHING, SWING -1965 AND SINCE-	
	109 461	FITTING, 1/8 STR LUB	
9	410 360	PLUG, 7/8-14 CD OR ZN-PLTD STR-THD	
	479 670 R1	SCREW, 1/2-13 X 2 HEX-SOC-HD HALF DOG PT SET	
22	468 335 R1	O-RING, 3-3/8 X 3-3/4 X 3/16	
23	468 333 R2	BUSHING, UPPER SWING SHAFT	
	380 595 R1	O-RING, 5-5/8 X 5-7/8 X 1/8	
24	468 334 R91	SEAL, UPPER SWING SHAFT BUSHING DUST	
25	468 339 R1	O-RING, 4 X 4-1/4 X 1/8 -2-	
26	468 338 R1	PISTON, SWING MECHANISM	
27	468 366 R1	BUSHING, BOOM PIVOT PIT -2-	
28	468 332 R1	BUSHING, LOWER SWING SHAFT	
29	471 140 R1	O-RING, 3 X 3-3/8 X 3/16	
30	468 370 R1	PIN, BOOM CYL LOWER	
		PIN, 1/8 X 3/4 CD OR ZN-PLTD COT. -2-	
	631 252 R1	PIN, 3/8 X 4-1/8 STD-HD -2-	
31	18 460 R1	NUT, 1-1/2-12 ESNA STOP	
32	469 079 R1	WASHER, SWING SHAFT	
33	468 336 R1	SPACER, LOWER SWING SHAFT BEARING	
34	468 337 R1	RING, LOWER SWING SHAFT RETAINING	
35	294 885 R92	BUSHING W/BALL, SWING SHAFT	
36	468 330 R1	SHAFT, BACKHOE SWING	
37	299 496 R1	SEAL, BUMPER -2-	
	11 002 VA	WASHER, 17/32 X 7/8 X 16 GA -2-	
38	392 941 R91	VALVE ASSY, DECELERATOR	
	138 221	SCREW, 5/16-18 X 3/4 HEX-HD SOC CAP -3-	
39	392 945 R91	HOUSING ASSY, VALVE	
40	392 963 R1	SPRING, VALVE PISTON	
41	364 885 R1	O-RING, 3/4 X 15/16 X 3/32	
42	392 964 R1	PLUG, PISTON	
43	392 962 R11	PLUG ASSY, CHECK VALVE	
44	570 828 R1	O-RING, 1/2 OD TUBE	
45	382 915 R1	SPRING, CHECK VALVE	
46	392 916 R1	POPPET, CHECK VALVE	
	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -FOR BOSS PLUG IN HOUSING-	
	481 767 R1	O-RING, 1-1/2 X 1-11/16 X 3/32 -BETWEEN VALVE HOUSING AND SWING CYLINDER-	

3120 BACKHOE -29- SECTION A

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

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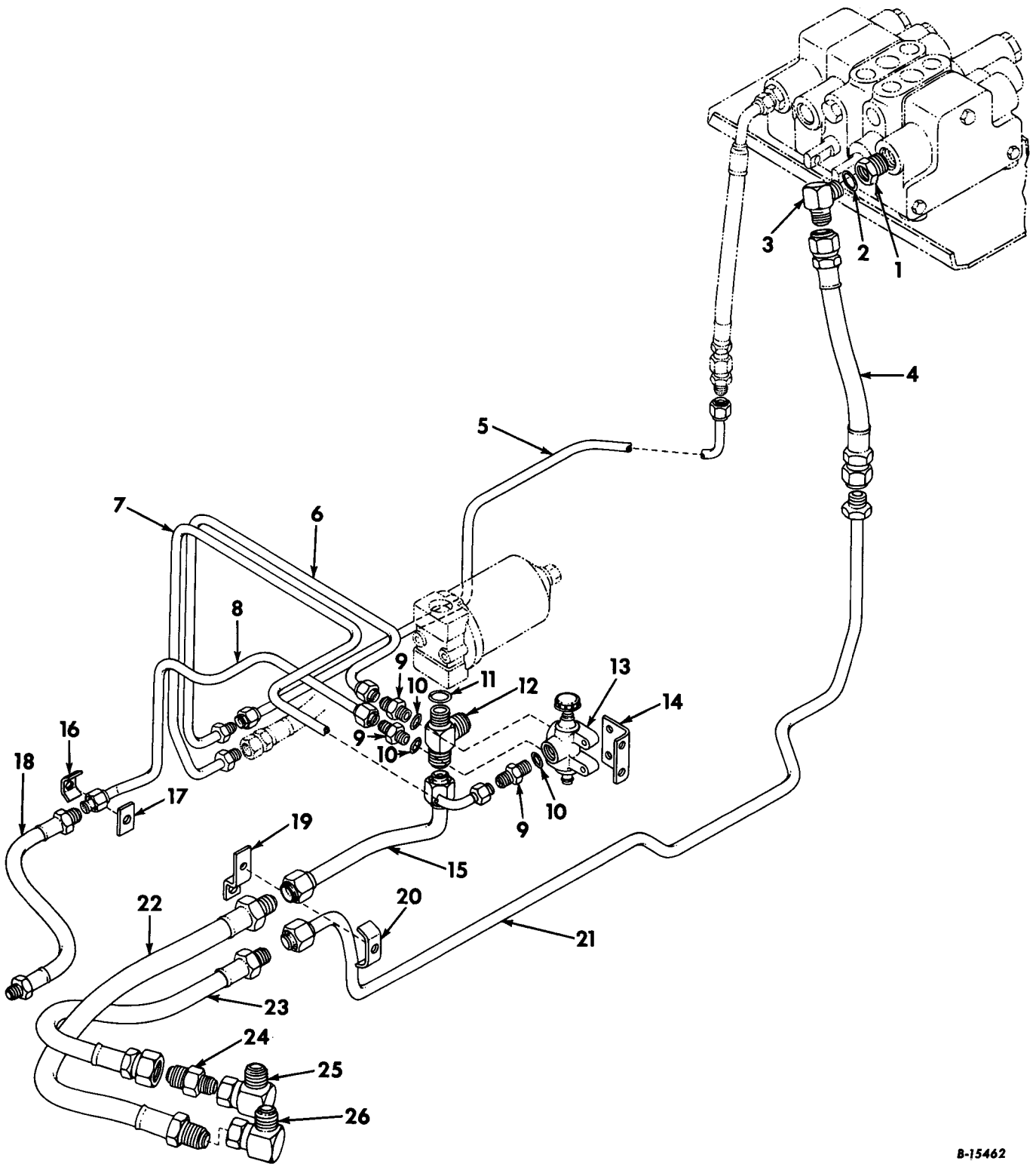
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS -FOR USE ON INTERNATIONAL 3514 & 3616 LOADER TRACTORS-

3120 BACKHOE -30- SECTION A

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS -FOR USE ON -CONTINUED INTERNATIONAL 3514 & 3616 LOADER TRACTORS-



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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -FOR USE ON INTERNATIONAL 3514 & 3616 LOADER TRACTORS- -CONTINUED	
1	444 702	PLUG, 1/2-14 AUTOMOTIVE HEX. SOC	
2	297 459 R1	O-RING, 7/8 OD TUBE	
3	9 410 980	ELBOW, 1-3/16-12 37 DEG HYD FLARED TUBE STR THD 90 DEG	
4	394 439 R11	TUBE ASSY, HYD LOADER VALVE TO BACKHOE PRESSURE TUBE	
5	480 979 R21	PIPE ASSY, INTERMEDIATE DIVERTER VALVE TO FLOW DIVIDER	
6	480 980 R11	PIPE ASSY, DIVERTER VALVE TO INTERMEDIATE TUBE TO FLOW DIVIDER	
7	480 978 R11	PIPE ASSY, BELLY PUMP HOSE TO DIVERTER VALVE	
8	481 732 R11	PIPE ASSY, DIVERTER VALVE TO BACKHOE SWING BOTTOM PORT	
9	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL -3-	
10	364 885 R1	O-RING, 5/8 OD TUBE -3-	
11	296 247 R1	O-RING	
12	9 411 135	TEE, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG	
13	389 251 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF VALVES- OPTIONAL WITH 383 946 R91-	
13	383 946 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF VALVES- OPTIONAL WITH 389 251 R91-	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
	180 085	SCREW, 5/16-18 X 1-3/4 C-Z HEX-HD CAP -2-	
	120 214	WASHER, 5/16 C-Z MED LOCK -2-	
14	480 702 R1	BRACKET, DIVERTER VALVE	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
	180 077	SCREW, 5/16-18 X 3/4 C-Z HEX-HD CAP -2-	
	120 214	WASHER, 5/16 C-Z MED LOCK -2-	
15	480 982 R11	PIPE ASSY, BACKHOE RETURN TO FILTER	
16	481 726 R1	CLAMP, PIPE DIVERTER TO BACKHOE SWING BOTTOM PORT	
	271 547	SCREW, 5/8-11 X 1-1/2 C-Z HEX-HD CAP	
17	481 725 R1	STRIP, PIPE CLAMP	
18	480 983 R91	HOSE ASSY, 10 GPM TRACTOR TO BACKHOE	
19	480 706 R1	BRACKET, BACKHOE TUBES -2-	
20	469 996 R1	CLAMP, BACKHOE TUBES	
	120 378	NUT, 1/2-13 C-Z HEX.	
	180 777	SCREW, 1/2-13 X 1-1/2 C-Z HEX-HD CAP	
	120 384	WASHER, 1/2 C-Z MED LOCK	
21	480 976 R11	PIPE ASSY, LOADER TO BACKHOE 22 GPM PRESSURE	
22	470 246 R91	HOSE ASSY, RETURN BACKHOE TO TRACTOR	
23	383 942 R91	HOSE ASSY, 17 GPM PUMP PRESSURE	
24	469 785 R1	UNION, 1-5/16 TO 1-3/16 REDUCING	
25	9 410 284	ELBOW, 1-3/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL	
26	9 410 285	ELBOW, 1-15/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL	

3120 BACKHOE -31- SECTION A

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

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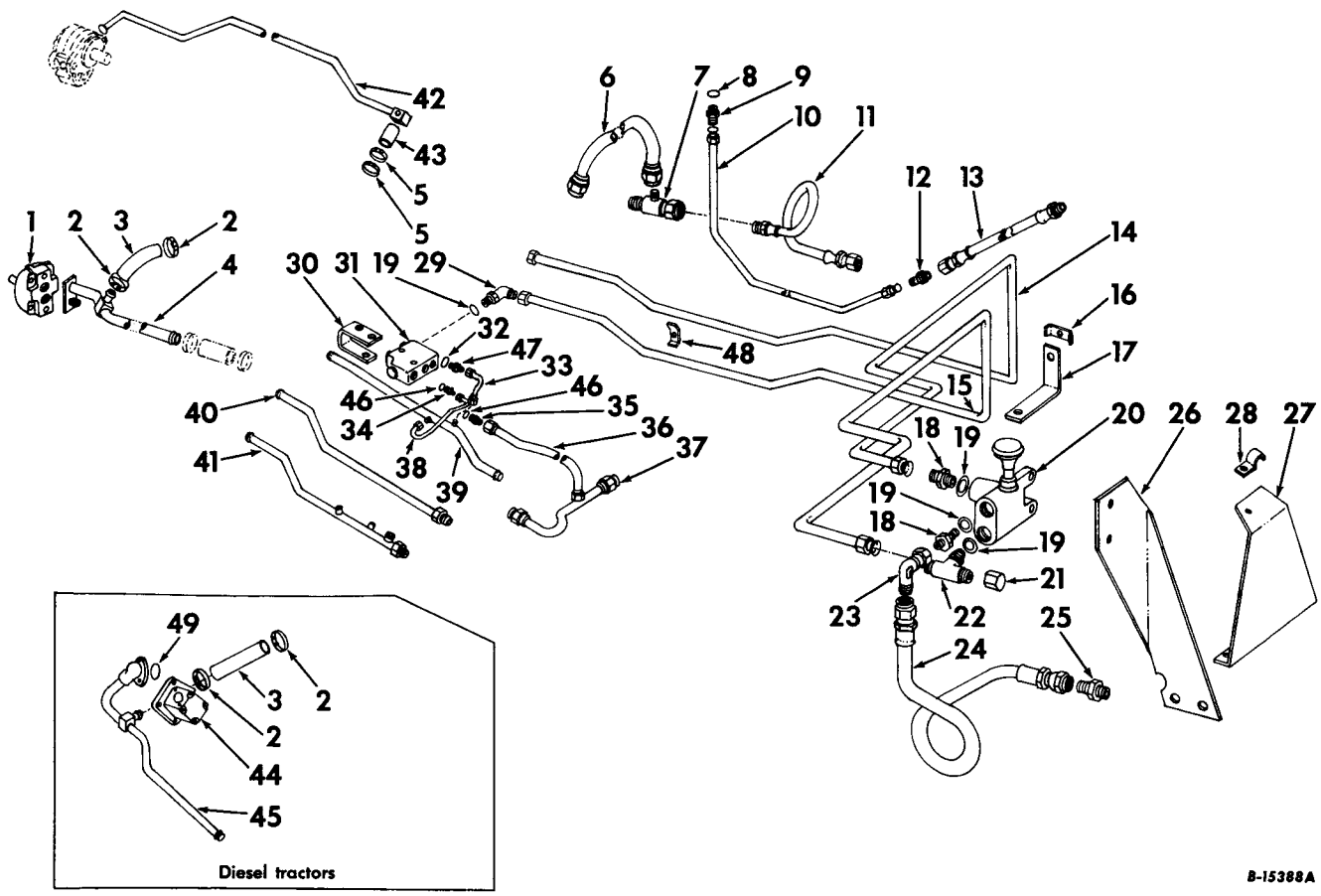
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS -FOR INTERNATIONAL 2424 TRACTOR WITH 2000 LOADER-

3120 BACKHOE -32- SECTION A

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS -FOR INTERNATIONAL 2424 TRACTOR WITH 2000 LOADER- -CONTINUED



SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2424 GASOLINE OR DIESEL TRACTOR EQUIPPED W/HITCH, 2000 LOADER AND POWER STEERING -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT A-

SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2424 GASOLINE TRACTOR EQUIPPED W/HITCH, 2000 LOADER BUT W/O POWER STEERING -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT B-

SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2424 DIESEL TRACTOR EQUIPPED W/HITCH, 2000 LOADER BUT W/O POWER STEERING -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT C-

SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2424 GASOLINE OR DIESEL TRACTOR EQUIPPED W/2000 LOADER BUT W/O HITCH OR POWER STEERING -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT D-

SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2424 GASOLINE OR DIESEL TRACTOR EQUIPPED W/2000 LOADER, POWER STEERING BUT W/O HITCH -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT E-

1	368 633 R91	PUMP ASSY, HYD W/DRIVE GEAR -9 GPM- -THOMPSON- -GASOLINE- -UNIT B, D AND E- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF HYDRAULIC PUMP- -OPTIONAL WITH 376 993 R92-
1	376 993 R92	PUMP ASSY, HYD W/DRIVE GEAR -9 GPM- -CESSNA- -GASOLINE- -UNIT B, D AND E- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF HYD PUMP- -OPTIONAL WITH 368 633 R91-
	186 282	SCREW, 3/8-16 X 3-1/4 HEX-HD CAP -2-
	103 321	WASHER, 3/8 MED LOCK -2-
2	274 087 R91	CLAMP, HOSE -2 -UNIT D AND E-
3	369 428 R1	HOSE, 17 GPM SUCTION TO 9 GPM -UNIT D AND E-
4	390 908 R91	PIPE ASSY, 9 GPM PUMP -GASOLINE- -UNIT D AND E-

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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -FOR INTERNATIONAL 2424 TRACTOR WITH 2000 LOADER- -CONTINUED	
5	279 024 R91	CLAMP, SUCTION HOSE -2- UNIT D AND E-	
6	390 897 R91	HOSE ASSY, CHARGING -UNIT D AND E-	
7	390 898 R91	FITTING RESTRICTING -UNIT D AND E-	
8	297 459 R1	O-RING, 1.048 X .116	
9	9 410 206	CONNECTOR, 1-3/16-12 DEG HYD FLARED TUBE	
10	480 724 R11	PIPE ASSY, BACKHOE PRESSURE FROM LOADER	
11	383 941 R91	HOSE ASSY, BACKHOE RETURN	
12	469 785 R1	UNION, 1-5/16 X 1-3/16 REDUCING	
13	383 942 R91	HOSE ASSY, 17 GPM PRESSURE	
14	480 962 R11	PIPE ASSY, DIVERTER VALVE TO PRESSURE HOSE	
15	480 963 R11	PIPE ASSY, DIVERTER VALVE TO FLOW DIVIDER -UNIT A, B, C AND E-	
16	470 976 R1	CLAMP, TUBE	
	120 376	NUT, 5/16-18 HEX.	
	180 083	SCREW, 5/16-18 X 1-1/2 HEX-HD CAP	
	120 214	WASHER, 5/16 MED LOCK	
17	480 965 R1	BRACKET, DIVERTER VALVE TUBES	
18	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL -2-	
19	364 885 R1	O-RING, .755 X .116 -4-	
20	469 730 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF VALVES- -OPTIONAL WITH 389 252 R91	
20	389 252 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF VALVES- -OPTIONAL WITH 469 730 R91	
21	9 403 373	CAP, 7/8-14 37 DEG HYD FALRED TUBE -UNIT A, B, C AND E-	
22	9 411 119	TEE, 7/8-14 37 DEG HYD FLARED TUBE ADJ STR THD -UNIT A, B, C AND E-	
23	9 410 282	ELBOW, 5/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL -2-	
24	338 345 R91	HOSE ASSY, HYDRAULIC PRESSURE	
25	9 403 217	UNION, 7/8-14 37 DEG HYD FLARED TUBE	
26	480 964 R1	BRACKET, DIVERTER VALVE -UNIT A, B, C AND E-	
27	391 710 R1	BRACKET, TUBE -UNIT D-	
28	470 453 R1	CLIP, HYD TUBE -UNIT D-	
	120 375	NUT, 1/4-20 HEX.	
	180 020	SCREW, 1/4-20 X 3/4 HEX-HD CAP	
	120 380	WASHER, 1/4 MED LOCK	
29	9 410 978	ELBOW, 7/8 HYD FLARED TUBE ADJ STR THD 90 DEG	
30	389 520 R1	BRACKET, FLOW DIVIDER MOUNTING -UNIT B AND C-	
	103 025	NUT, 5/16-24 HEX. -2-	
	179 856	SCREW, 7/16-14 X 3/4 HEX-HD CAP	
	148 115	SCREW, 5/16-24 X 2-1/4 CR-REC-PAN-HD MACH -2-	
	103 320	WASHER, 5/16 MED LOCK -2-	
31	389 412 R91	FLOW DIVIDER -UNIT B AND C- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF FLOW DIVIDER VALVE-	
32	364 839 R1	O-RING, .468 -UNIT B AND C-	

3120 BACKHOE -33- SECTION A

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -FOR INTERNATIONAL 2424 TRACTOR WITH 2000 LOADER- -CONTINUED	
33	389 518 R11	PIPE ASSY, FLOW DIVIDER TO SUCTION -UNIT B AND C-	
34	587 639 R1	CONNECTOR, FLOW DIVIDER -UNIT B AND C-	
35	392 553 R1	CONNECTOR, POWER STEERING TO DUMP -UNIT B AND C-	
36	389 519 R11	PIPE ASSY, FLOW DIVIDER TO HITCH -UNIT B AND C-	
37	390 894 R11	PIPE ASSY, FLOW DIVIDER RETURN -UNIT E-	
38	632 455 R91	HOSE ASSY, POWER STEERING TO DUMP -UNIT B AND C-	
39	389 521 R11	PIPE ASSY, SUCTION -UNIT B AND C-	
40	390 905 R11	PIPE ASSY, SUCTION -UNIT D-	
41	390 906 R11	PIPE ASSY, SUCTION -UNIT A, B, C AND E-	
42	390 904 R1	PIPE ASSY, 17 GPM TO 9 GPM SUCTION -UNIT D AND E-	
43	390 901 R1	HOSE, FILTER TO 17 GPM SUCTION LINE -UNIT D AND E-	
44	3 043 981 R93	PUMP ASSY, HYD W/DRIVE GEAR -9 GPM- -DIESEL- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF HYDRAULIC PUMP- -UNIT C-	
45	390 903 R91	PIPE ASSY, PUMP SUCTION -DIESEL- -UNIT D AND E-	
	20 483 R1	SCREW, 5/16-18 X 3/4 HEX-SOC-HD CAP -2-	
	103 320	WASHER, 5/16 MED LOCK -2-	
46	570 828 R1	O-RING, .644 X .087 -UNIT B AND C-	
47	9 410 202	CONNECTOR, 9/16-18 37 DEG HYD FLARED TUBE SHORT SWIVEL -UNIT B AND C-	
48	470 245 R1	CLAMP, TUBE	
	120 378	NUT, 1/2-13 C-Z HEX.	
	180 181	SCREW, 1/2-13 X 2 C-Z HEX-HD CAP	
	120 384	WASHER, 1/2 C-Z MED LOCK	
49	369 908 R1	O-RING, 13/16 X 1 X 3/32 -UNIT D-	

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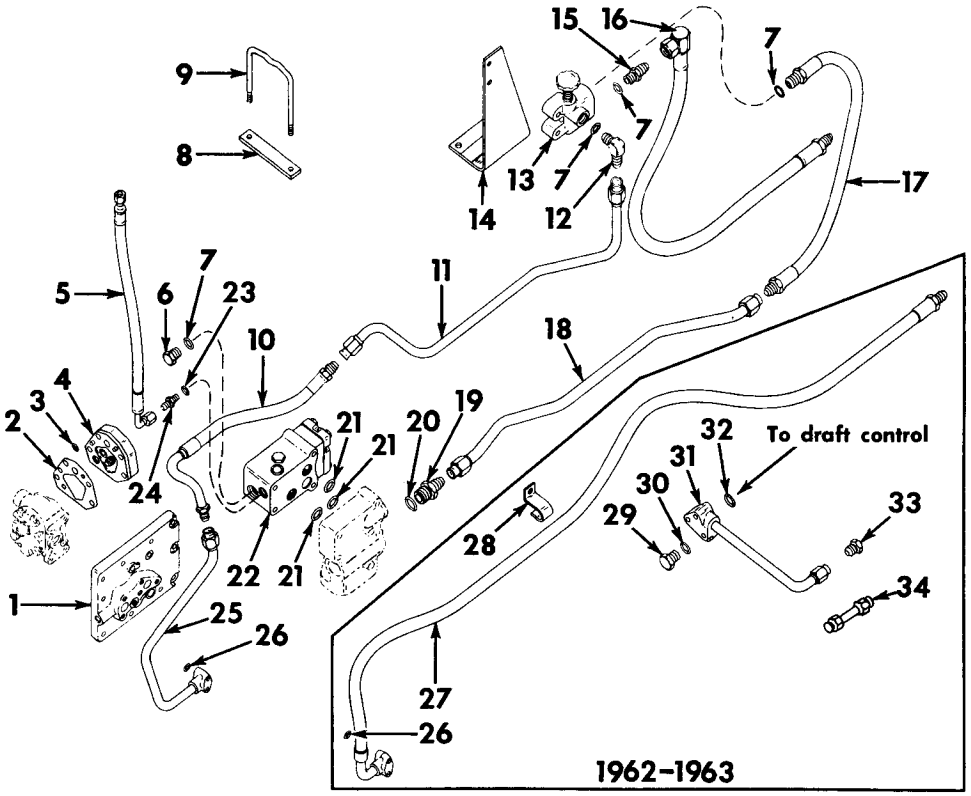
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

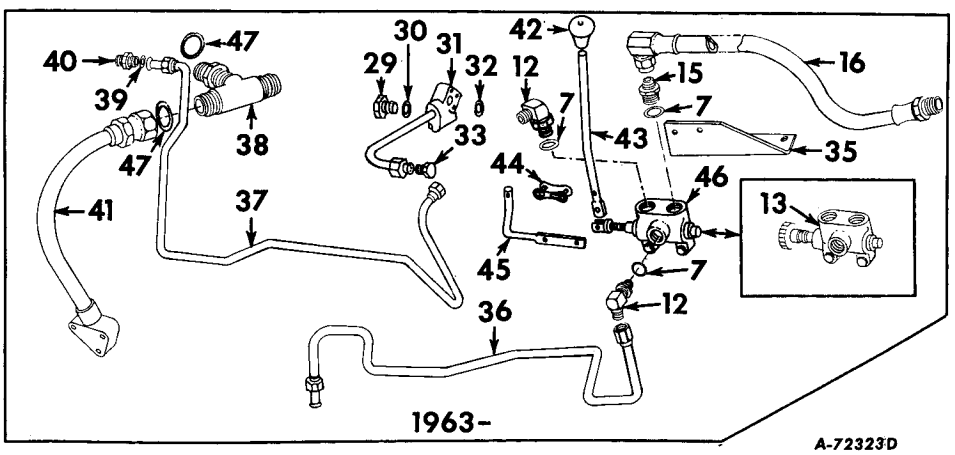
FLANGE, PUMP & POWER SUPPLY CONNECTIONS
FOR I-340,460,504,606,2504 & 2606 TRACTORS

3120 BACKHOE -34- SECTION A

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

FLANGE, PUMP & POWER SUPPLY CONNECTIONS -CONTINUED
FOR I-340,460,504,606,2504 & 2606 TRACTORS





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KEY TO UNITS

A - PUMP AND POWER SUPPLY CONNECTIONS FOR INTERNATIONAL 340 AND 460 TRACTORS EQUIPPED W/2000 OR 3000 LOADER AND 17 GPM TRANSMISSION DRIVEN PUMP AND POWER STEERING.

B - POWER SUPPLY CONNECTIONS FOR INTERNATIONAL 504, 606, 2504 AND 2606 TRACTORS EQUIPPED W/2000 OR 3000 LOADER AND 7 AND 17 GPM TRANSMISSION DRIVEN PUMP.

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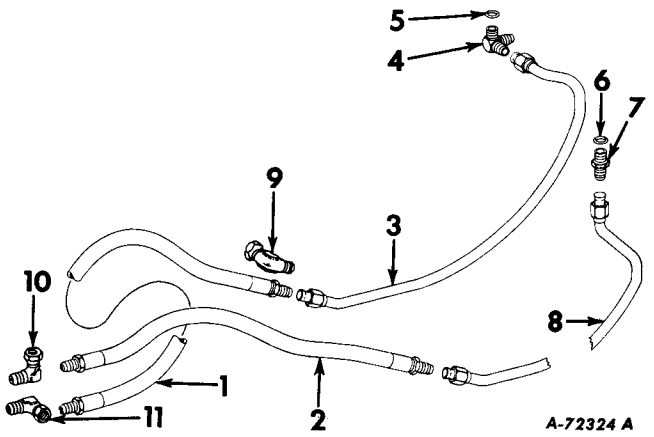
REF. NO.	PART NUMBER	DESCRIPTION	8KH-1
		FLANGE, PUMP & POWER SUPPLY CONNECTIONS -CONTINUED FOR I-340,460,504,606,2504 & 2606 TRACTORS	
1	469 762 R11	FLANGE ASSY, PUMP MOUNTING -UNIT A- -FOR INTERNATIONAL 340, T-340-A, TD-340-A AND 460 TRACTORS EQUIPPED W/540 RPM CLUTCH TYPE INDEPENDENT PTO-	
1	469 763 R11	FLANGE ASSY, PUMP MOUNTING -UNIT A- -FOR INTERNATIONAL 340, T-340-A, TD-340-A AND 460 TRACTORS EQUIPPED W/540 RPM PLANETARY TYPE INDEPENDENT PTO-	
2	371 543 R2	GASKET, PUMP -UNIT A-	
3	371 544 R1	O-RING, 9/16 X 11/16 X 1/16 -UNIT A-	
4	381 115 R92	PUMP ASSY, HYD GEAR -7 GPM- -UNIT A- -THOMPSON- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC PUMP- -OPTIONAL WITH 381 116 R91-	
	631 994 R1	SCREW, 3/8 X 2-1/2 HEX-HD TYPE 4 CAP -4-	
4	381 116 R91	PUMP ASSY, HYD GEAR -7 GPM- -UNIT A- -CESSNA- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF HYDRAULIC PUMP- -OPTIONAL WITH 381 115 R92-	
	20 649 R1	SCREW, 3/8 X 2-1/4 HEX-HD TYPE 4 CAP -4-	
5	373 255 R91	HOSE ASSY, 3/8 HYD POWER STEERING PRESSURE -UNIT A-	
6	9 410 360	PLUG, 7/8-14 CD OR ZN-PLTD STR-THD -UNIT A-	
7	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -4 FOR UNIT A- -3 FOR UNIT B-	
8	470 606 R1	BLOCK, TUBE CLAMP -UNIT A-	
9	470 605 R2	CLAMP, PRESSURE AND FILTER TUBE -UNIT A-	
	17 044 R1	NUT, 3/8 ESNA LOCK -2-	
10	469 728 R91	HOSE ASSY, POWER SUPPLY PRESSURE -UNIT A-	
11	469 729 R11	TUBE ASSY, DIVERTER VALVE -UNIT A-	
12	9 410 978	ELBOW, 7/8-14 90 DEG CD OR ZN-PLTD FLARED TUBE -UNIT A, 2 FOR UNIT B-	
13	469 730 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF VALVES-	
		NUT, 5/16-18 CD OR ZN-PLTD HEX. -2-	
		SCREW, 5/16-18 X 1-3/4 CD OR ZN-PLTD HEX-HD CAP -2-	
		WASHER, 5/16 CD OR ZN-PLTD MED LOCK -2-	
14	469 732 R91	SUPPORT ASSY, DIVERTER VALVE -UNIT A-	
15	9 410 204	CONNECTOR, 7/8-14 CD OR ZN-PLTD FLARED TUBE	
16	469 731 R91	HOSE ASSY, BACKHOE PRESSURE	
17	470 845 R91	HOSE ASSY, HYD -UNIT A-	
17	483 595 R91	HOSE ASSY, HYD -38 IN.- -FOR USE W/QUICK-DISCONNECT COUPLER ONLY-	
18	469 735 R11	TUBE ASSY, POWER SUPPLY PRESSURE -UNIT A-	
19	469 736 R1	REDUCER, POWER SUPPLY -UNIT A-	
20	297 459 R1	O-RING, 1.048 X .116 -REDUCER- -UNIT A-	
21	350 667 R1	O-RING, 11/16 X 7/8 X 3/32 -UNIT A- -3-	

3120 BACKHOE -35- SECTION A

REF. NO.	PART NUMBER	DESCRIPTION	8KH-1
		FLANGE, PUMP & POWER SUPPLY CONNECTIONS -CONTINUED FOR I-340,460,504,606,2504 & 2606 TRACTORS	
22	364 841 R96	VALVE ASSY, REGULATOR SAFETY AND FLOW CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF VALVES- -UNIT A-	
		SCREW, 7/16-14 X 4-1/4 C-Z HEX-HD CAP -4-	
		WASHER, 7/16 C-Z MED LOCK -4-	
23	364 839 R1	O-RING, .468 X .078 -UNIT A-	
24	9 410 202	CONNECTOR, 9/16-18 CD OR ZN-PLTD FLARED TUBE -UNIT A-	
25	469 727 R11	TUBE ASSY, POWER SUPPLY PRESSURE -UNIT A-	
		SCREW, 5/16-18 X 1-1/2 CD OR ZN-PLTD HEX-HD CAP -2-	
26	352 221 R1	O-RING, 9/16 X 3/4 X 3/32 -POWER SUPPLY- -2-	
27	470 454 R91	HOSE W/FLANGE ASSY, PRESSURE -UNIT B- -1962 & 63-	
		SCREW, 5/16-18 X 1-5/8 CD OR ZN-PLTD HEX-HD CAP -2-	
28	469 902 R1	CLAMP, TUBE -UNIT B- -1962 & 63-	
		SCREW, 3/8-16 X 5/8 C-Z HEX-HD CAP	
29	9 410 359	PLUG, 3/4-16 C-Z TUBE STR-THD -UNIT B-	
30	570 828 R1	O-RING, .644 X .087 -UNIT B-	
31	469 905 R91	TUBE ASSY, DRAFT CONTROL -UNIT B-	
		SCREW, 3/8-16 X 2 CD OR ZN-PLTD HEX-HD CAP -3-	
		WASHER, 3/8 C-Z MED LOCK -3-	
32	355 965 R1	O-RING, 15/16 X 1-3/16 X 1/8 -UNIT B-	
33	9 403 334	PLUG, 7/8-14 C-Z FLARED TUBE -UNIT B-	
34	474 616 R11	PIPE ASSY, COUPLING -UNIT B- -1962 & 63-	
35	474 478 R1	BASE, DIVERTER VALVE -UNIT B-	
36	474 477 R11	PIPE ASSY, DIVERTER -UNIT B-	
37	475 187 R11	TUBE ASSY, DIVERTER VALVE TO STEERING -UNIT B-	
38	9 411 120	TEE, 1-1/16-12 37 DEG CD OR ZN-PLTD FLARED TUBE ADJ -UNIT B-	
39	356 005 R1	O-RING, 1-1/8 X 1-3/8 X 1/8 -UNIT B-	
40	573 206 R1	CONNECTOR, 5/8 37 DEG FLARED TUBE SHORT SWIVEL -UNIT B-	
41	475 186 R91	HOSE ASSY, 17 GAL. PRESSURE -UNIT B-	
42	53 717 DA	KNOB, DIVERTER VALVE LEVER -UNIT B-	
43	478 885 R1	LEVER, DIVERTER VALVE -UNIT B-	
	669 546 R1	PIN, LEVER	
		PIN, 5/64 X 7/8 COT.	
44	587 372 R91	LINK, CHAIN ASSY -UNIT B-	
45	478 886 R1	SUPPORT, DIVERTER VALVE LEVER -UNIT B-	
46	478 887 R91	VALVE ASSY, DIVERTER -UNIT B- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF VALVES-	
		NUT, 5/16- C-Z PLTD HEX. -2-	
		SCREW, 5/16-18 X 1-7/8 C-Z PLTD HEX-HD CAP -2-	
		WASHER, 5/16 C-Z PLTD MED LOCK -2-	
47	368 269 R1	O-RING, 59/64 X 1-1/16 X 7/64 -2- -UNIT B-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

POWER SUPPLY CONNECTIONS -FOR TRACTORS USING EXTERNAL FILTER- -SEE NOTE-



1	470 246 R91	HOSE ASSY, 1 X 33 IN. -INLET FILTER TUBE TO HOE VALVE-
2	470 247 R91	HOSE ASSY, 7/8 X 34 IN. -PRESSURE TUBE TO HOE VALVE-
3	470 248 R11	TUBE ASSY, INLET FILTER
3	473 048 R11	TUBE ASSY, INLET FILTER -FOR DROTT 4-IN-1 BUCKET-
4	470 250 R1	TEE, FLARED TUBE ADJ -INLET FILTER TUBE TO COVER-
5	296 247 R1	O-RING, 1.171 X .116
6	297 459 R1	O-RING, 1.048 X .116
7	9 410 206	CONNECTOR, 1-3/16-12 CD OR ZN-PLTD FLARED TUBE SWIVEL
8	470 249 R11	TUBE ASSY, PRESSURE
8	473 047 R11	TUBE ASSY, PRESSURE -FOR DROTT 4-IN-1 BUCKET-
9	9 410 285	ELBOW, 1-5/16-12 90 DEG CD OR ZN-PLTD SWIVEL -FOR I-340, 404 & 2404 TRACTORS ONLY-
10	9 410 284	ELBOW, 1-3/16-12 90 DEG CD OR ZN-PLTD SWIVEL -FOR I-504, I-606, 2504 AND 2606 ONLY-
11	9 410 285	ELBOW, 1-5/16-12 90 DEG CD OR ZN-PLTD SWIVEL -FOR I-404, I-504, 2404 AND 2504 TRACTOR ONLY-

NOTE - FOR INTERNATIONAL 340, 404, 460, 504, 2404, 2504 AND 2606 TRACTORS-

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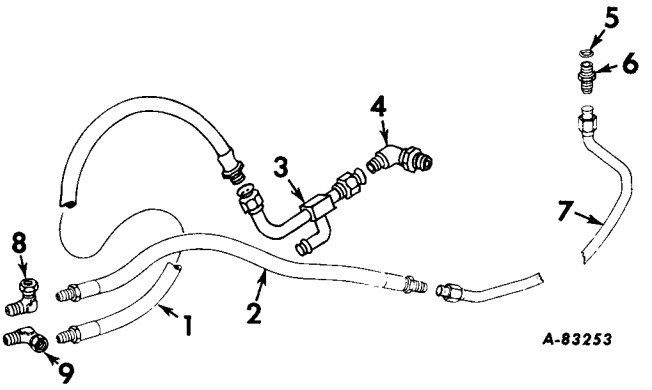
3120 BACKHOE -36- SECTION A

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

POWER SUPPLY CONNECTIONS -FOR I-504, 606, 2504 & 2606 TRACTORS USING TRACTOR FILTER



1	470 246 R91	HOSE ASSY, 1 X 33 IN. -INLET FILTER TUBE TO HOE VALVE-
2	470 247 R91	HOSE ASSY, 7/8 X 34 IN. -PRESSURE TUBE TO HOE VALVE-
3	479 358 R91	TEE ASSY, DUMPLINE
4	9 410 981	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE
5	297 459 R1	O-RING, 1.048 X .116
6	9 410 206	CONNECTOR, 1-3/16-12 C-Z PLTD FLARED TUBE SWIVEL
7	470 249 R11	TUBE ASSY, PRESSURE
8	9 410 284	ELBOW, 1-3/16-12 90 DEG C-Z PLTD SWIVEL -FOR I-504 & 2504 TRACTOR ONLY-
9	9 410 285	ELBOW, 1-5/16-12 90 DEG C-Z PLTD SWIVEL -FOR I-404, I-504, 2404 & 2504 TRACTOR ONLY-

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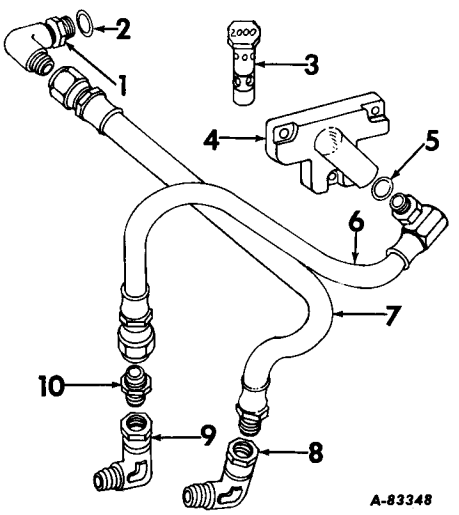
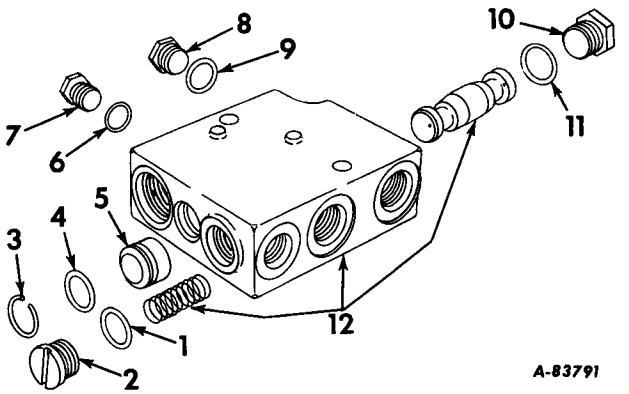
POWER SUPPLY CONNECTION -FOR INTERNATIONAL 504, 606, 2504 & 2606 TRACTOR W/O LOADER-



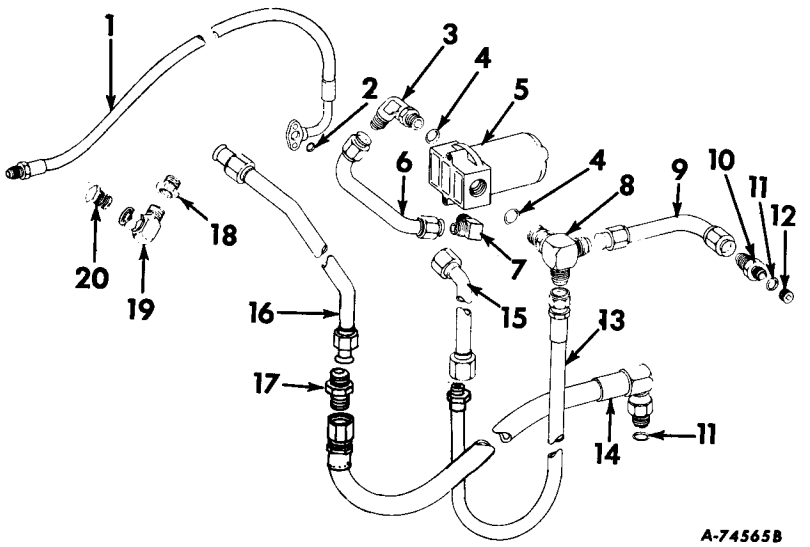
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
1	9 410 981	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG	
2	296 247 R1	O-RING, 1-11/16 X 1-13/32 X 7/64	
3	388 208 R91	VALVE ASSY, 2000 PSI PILOT OPERATED -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF VALVES-	
4	470 603 R1	COVER, POWER BEYOND	
5	297 459 R1	O-RING, 1.048 X .116	
6	472 756 R91	HOSE ASSY, JUNCTION BLOCK TO BACKHOE PRESSURE	
7	472 757 R91	HOSE ASSY, BACKHOE DUMP	
8	9 410 285	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL	
9	9 410 284	ELBOW, 1-3/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL	
10	469 785 R1	UNION, 1-5/16 X 1-3/16 REDUCING	

FLOW DIVIDER VALVE -TRACTORS WITH POWER STEERING-



REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	389 412 R91	FLOW DIVIDER ASSY	
1	252 739 R1	O-RING, 11/16 X 1/2 X 3/32	
2	391 458 R1	PLUG, SLOTTED	
3	583 476 R1	RING, LOCK	
4	352 221 R1	O-RING, 9/16 X 3/4 X 3/32	
5	583 477 R1	PLUG, BODY	
6	355 967 R1	O-RING, 3/8 X 1/2 X 1/16	
7	391 457 R1	PLUG, BODY	
8	391 456 R1	PLUG, BODY	
9	355 966 R1	O-RING, 7/16 X 5/8 X 3/32	
10	391 455 R1	PLUG, BODY	
11	252 707 R1	O-RING, 3/4 X 15/16 X 3/32	
12	389 412 R1	BODY, FLOW DIVIDER -NOT SERVICED SEPARATELY, ORDER FLOW DIVIDER ASSY 389 412 R91-	
	391 459 R91	PACKAGE, FLOW DIVIDE O-RING SERVICE -CONSISTS OF 1 O-RING 352 221 R1 1 O-RING 355 967 R1 1 O-RING 252 707 R1 1 O-RING 355 966 R1 1 O-RING 252 739 R1 1 RING 583 476 R1-	

HYDRAULIC CONNECTIONS -SEE NOTE-



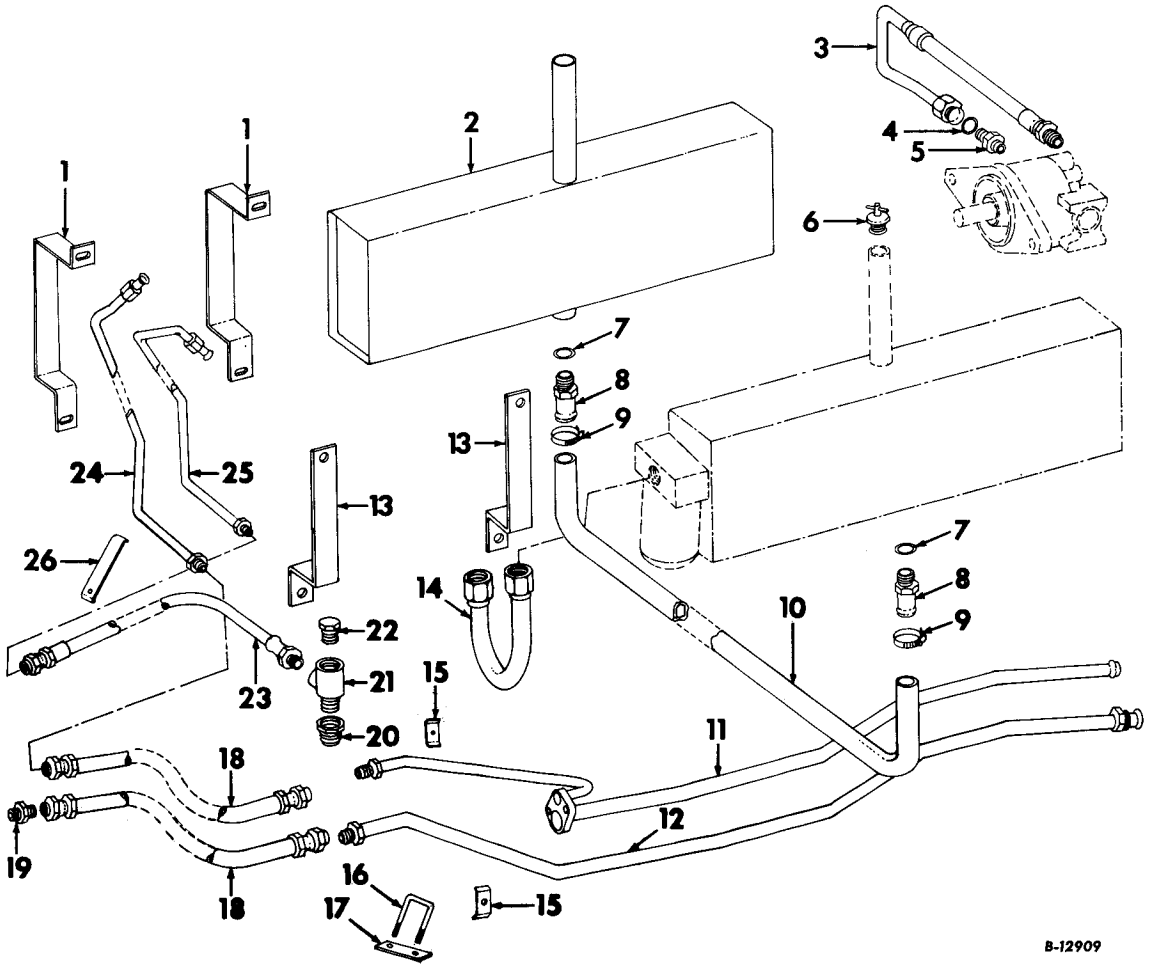
REF. NO.	PART NUMBER	DESCRIPTION	8KH-1
1	470 454 R91	HOSE W/FLANGE ASSY, PRESSURE	
		SCREW, 5/16-18 X 1-1/2 CD OR ZN-PLTD HEX-HD CAP	
2	352 221 R1	O-RING, 9/16 X 3/4 X 3/32 -POWER SUPPLY-	
3	9 410 981	ELBOW, 1-5/16-12 37 DEG FLARED TUBE	
4	296 247 R1	O-RING, 1-11/64 X 1-13/32 X 7/64 -2-	
5	471 133 R92	FILTER ASSY, OIL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF OIL FILTER-	
		SCREW, 3/8-16 X 1 CD OR ZN-PLTD HEX-HD CAP -2-	
	614 452 R1	WASHER, 13/32 X 1-1/4 X 11 GA -2-	
6	472 752 R11	TUBE ASSY, FILTER RETURN	
7	472 753 R1	ELBOW, 90 DEG ADAPTER	
8	470 250 R1	TEE, 37 DEG FLARED TUBE -FILTER INLET-	
9	472 754 R11	TUBE ASSY, VALVE OUTLET	
10	472 755 R1	REDUCER, VALVE OUTLET	
11	297 459 R1	O-RING, 1-3/64 X 1-9/32 X 7/64 -2-	
12	144 014	PLUG, 1/2 SQ SOCKET PIPE	
13	472 757 R91	HOSE ASSY, HYD TO FILTER	
14	472 756 R91	HOSE ASSY, HYD PRESSURE	
15	383 379 R11	TUBE ASSY, DUMP LINE	
16	383 378 R11	TUBE ASSY, PRESSURE	
17	469 785 R1	UNION, 1-5/16 TO 1-3/16 REDUCING	
18	189 885	BUSHING, 1-1/2 X 1/2 REDUCING PIPE	
19	474 187 R1	ELBOW, SWIVEL	

3120 BACKHOE -38- SECTION A

HYDRAULIC CONNECTIONS -SEE NOTE- -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION	8KH-1
20	9 403 334	PLUG, 7/8-14 37 DEG CD OR ZN-PLTD STR-THD	
		NOTE - FOR T-340A OR TD-340A W/DROTT 4-IN-1 SKID SHOVEL, 3040 LOADER, 600 OR 700 BLADE	

HYDRAULIC CONNECTIONS -INTERNATIONAL 404 & 2404 TRACTORS EQUIPPED W/2000 LOADER-



REF. NO.	PART NUMBER	DESCRIPTION
1	473 512 R1	STRAP, RESERVOIR -2-
2	473 510 R91	TANK, RESERVOIR
3	474 661 R91	HOSE ASSY, HYD
4	297 459 R1	O-RING, 1.048 X .116
5	9 410 206	CONNECTOR, 1-3/16-12 37 DEG FLARED TUBE
6	474 617 R1	PLUG, HYD RESERVOIR
7	368 269 R1	O-RING, 59/64 X 1-1/16 X 7/64
8	474 618 R11	FITTING ASSY, STR HOSE INSERT -2-
9	274 086 R91	CLAMP, HOSE -2-
10	474 605 R1	HOSE, RESERVOIR TANK -44 IN.-
11	474 623 R91	MANIFOLD ASSY, 9 GPM PUMP
12	474 620 R11	TUBE ASSY, PRESSURE

3120 BACKHOE -39- SECTION A

HYDRAULIC CONNECTIONS -INTERNATIONAL 404 & -CONTINUED 2404 TRACTORS EQUIPPED W/2000 LOADER-

BKH-1

REF. NO.	PART NUMBER	DESCRIPTION
13	474 469 R1	STRAP, RESERVOIR -2- NUT, 3/8-16 CD OR ZN-PLTD HEX. -4- SCREW, 3/8-16 X 1-3/8 CD OR ZN-PLTD HEX-HD CAP -4- WASHER, 3/8 CD OR ZN-PLTD MED LOCK -4-
14	319 863 R91	HOSE ASSY, SPIRAL WIRE
15	379 045 R1	CLAMP, TUBE -2- NUT, 5/16 CD OR ZN-PLTD SCREW, 5/16 X 1-5/8 CD OR ZN-PLTD CAP WASHER, 5/16 CD OR ZN-PLTD MED LOCK
16	470 605 R2 17 044 R1	CLAMP, PRESSURE AND FILLER TUBE NUT, 3/8 ESNA STOP -2-
17	470 606 R1	BLOCK, TUBE CLAMP
18	338 345 R91	HOSE ASSY, PRESSURE -PUMP TO BACKHOE- -2-
19	9 403 217	UNION, 7/8-14 37 DEG FLARED TUBE
20	120 062	BUSHING, 1 IN. TO 1/2 REDUCING

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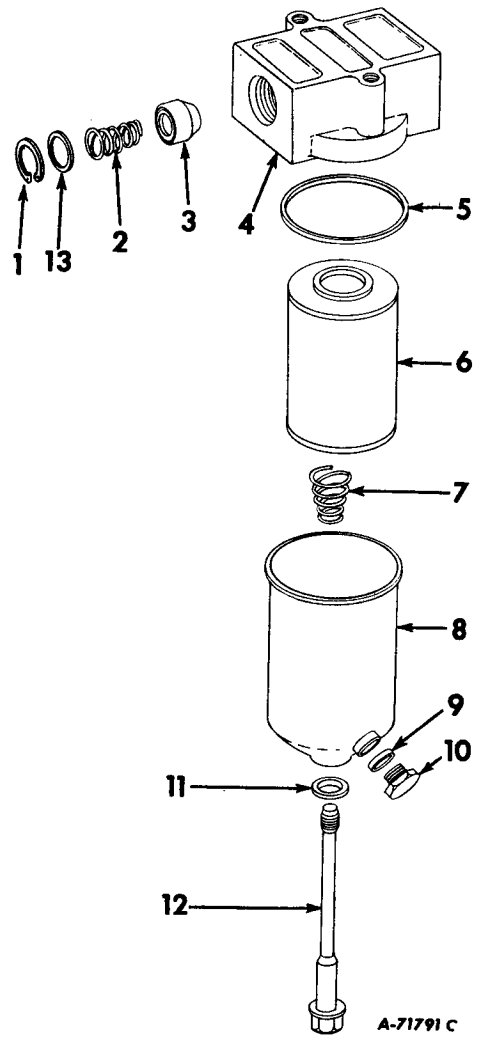
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -INTERNATIONAL 404 & 2404 TRACTORS EQUIPPED W/2000 LOADER- -CONTINUED	
21	444 153	TEE, 1/2 AUTOMOTIVE PIPE -INT. EXT. INT STL C-Z	
22	444 630	PLUG, 1/2 AUTOMOTIVE HEX-HD PIPE -DRAIN AND FILLER-	
23	307 871 R91	HOSE ASSY, RETURN	
24	474 622 R11	TUBE ASSY, HIGH PRESSURE	
25	474 625 R11	TUBE ASSY, SUMP	
26	474 626 R1	CLAMP, TUBE	
		OIL FILTER	

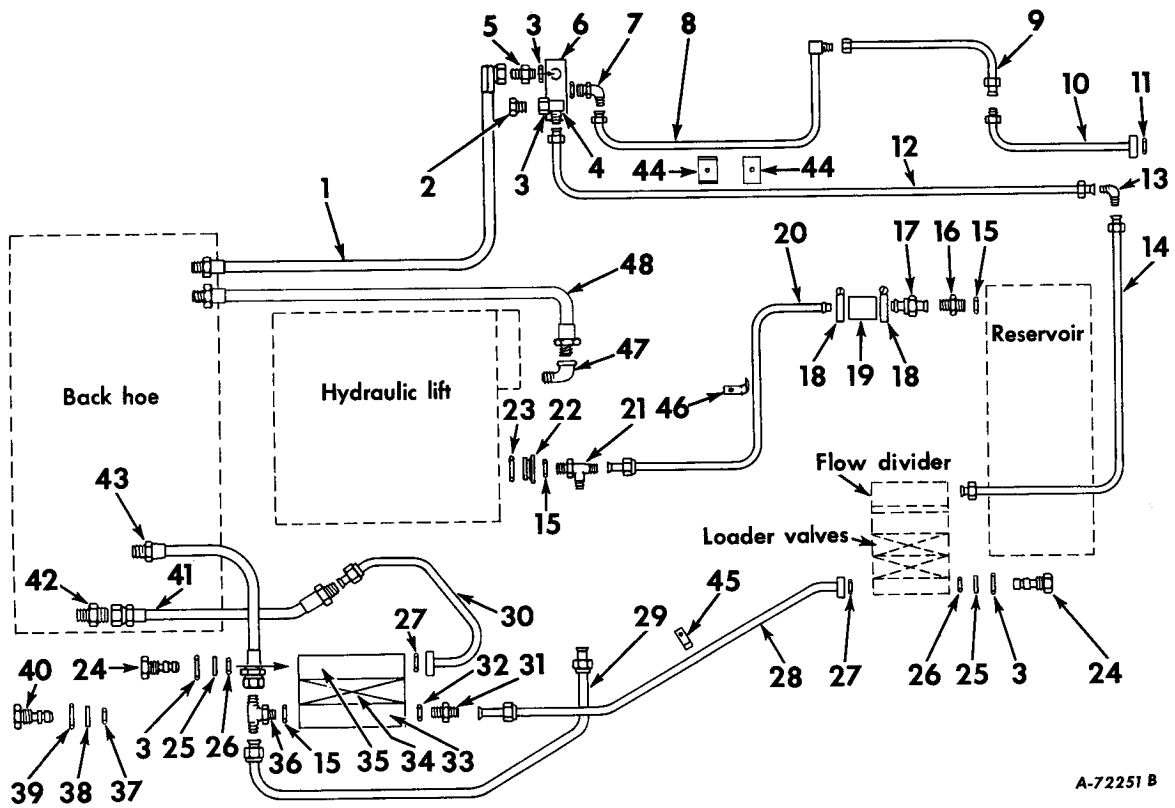


REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		OIL FILTER -CONTINUED	
	471 133 K92	FILTER ASSY, OIL	
1	338 835 R1	RING, VALVE RETAINING	
2	381 626 R1	SPRING, VALVE COMPRESSION	
3	381 625 R1	VALVE, RELIEF AND CHECK	
4		BASE ASSY, OIL FILTER -NOT SERVICED SEPARATELY-	
5	381 627 R1	GASKET, FILTER BASE PLUG	
6	381 256 R91	ELEMENT ASSY, OIL FILTER	
7	471 633 R1	SPRING, OIL FILTER COMPRESSION	
8	471 634 R1	BODY, OIL FILTER	
9	381 618 R1	GASKET, OIL FILTER DRAIN PLUG RING	
10	445 078	PLUG, OIL FILTER DRAIN	
11	381 629 R1	GASKET, OIL FILTER BODY BOLT RING	
12	471 632 R1	BOLT, OIL FILTER HOLD DOWN	
13		NOT USED	

HYDRAULIC CONNECTIONS -FOR 3414 LOADER TRACTOR W/HYDRAULIC LIFT & AUXILIARY VALVE

3120 BACKHOE -41- SECTION A

HYDRAULIC CONNECTIONS -FOR 3414 LOADER -CONTINUED TRACTOR W/HYDRAULIC LIFT & AUXILIARY VALVE



REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
1	469 731 R91	HOSE ASSY, 1/2 X 24 IN. PRESSURE	
2	9 403 334	PLUG, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE	
3	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -5-	
4	383 943 R91	ELBOW W/SWIVEL, 90 DEG SIDE OUTLET	
5	9 410 204	CONNECTOR, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE SHORT SWIVEL	
6	389 251 R91	VALVE ASSY, DIVERTER -OPTIONAL WITH 383 946 R91-	
6	383 946 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF VALVES- NUT, 5/16-18 CD OR ZN-PLTD HEX. -2- SCREW, 5/16-18 X 1-3/4 CD OR ZN-PLTD HEX-HD CAP -2- WASHER, 5/16 CD OR ZN-PLTD MED LOCK -2-	
7	9 410 978	ELBOW, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE	
8	383 940 R11	TUBE ASSY, 9 GPM PRESSURE DIVERTER V END -ORDER 483 144 R11-	
8	483 144 R11	TUBE ASSY, 9 GPM PRESSURE DIVERTER END	
9	383 936 R11	TUBE ASSY, 9 GPM PRESSURE CENTER	
10	383 937 R92	TUBE ASSY, 9 GPM PRESSURE PUMP END	
	138 203	SCREW, 1/4-20 X 1-1/4 HEX-SOC-HD CAP -4-	
		WASHER, 1/4 CD OR ZN-PLTD MED LOCK -4-	
11	352 221 R1	O-RING, 9/16 X 3/4 X 3/32	
12	383 939 R11	TUBE ASSY, POWER STEERING DIVERTING VALVE -ORDER 483 143 R11-	
12	483 143 R11	TUBE ASSY, POWER STEERING DIVERTER VALVE	
13	9 402 944	UNION, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE	
14	383 938 R11	TUBE ASSY, POWER STEERING FLOW DIVIDER	
15	296 247 R1	O-RING, 1.171 X .116 -3-	
16	9 410 207	CONNECTOR, 1-5/16-12 CD OR ZN-PLTD FLARED TUBE SWIVEL	
17	383 051 R11	TUBE ASSY, RETURN FRONT	
18	39 128 H	CLAMP, HOSE -2-	
19	380 521 R1	HOSE, 1 X 3 IN.	
20	381 778 R11	TUBE ASSY, RETURN	
21	9 411 135	TEE, 1-5/16-12 CD OR ZN-PLTD FLARED TUBE 90 DEG ADJ	

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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -FOR 3414 LOADER -CONTINUED TRACTOR W/HYDRAULIC LIFT & AUXILIARY VALVE	
22	381 777 R1	PLUG, LIFT RETURN	
23	382 781 R1	O-RING, 1-3/4 X 1-15/16 X 3/32	
24	470 583 R1	PLUG, POWER BEYOND -2-	
25	470 584 R1	WASHER, BACK-UP -2-	
26	470 585 R1	O-RING, 1/2 X 11/16 X 3/32 -2-	
27	382 137 R1	O-RING, 1 X 1-3/16 X 3/32 -2-	
28	469 783 R11	TUBE ASSY, LOADER VALVE TO AUXILIARY VALVE	
		SCREW, 3/8-16 X 1-1/8 CD OR ZN-PLTD HEX-HD CAP -2-	
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2-	
29	471 116 R11	TUBE ASSY, AUXILIARY VALVE RETURN	
30	383 121 R21	TUBE ASSY, PRESSURE AUXILIARY TO BACKHOE	
		SCREW, 3/8-16 X 1-1/8 CD OR ZN-PLTD HEX-HD CAP -2-	
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2-	
31	9 410 206	CONNECTOR, 1-3/16-12 CD OR ZN-PLTD FLARED TUBE	
32	297 459 R1	O-RING, 1.048 X .116	
33	381 143 R1	COVER, PRESSURE END	
		SCREW, 3/8-16 X 1 HEX-HD CAP -3-	
	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32	
	381 884 R1	O-RING, 1 X 1-3/16 X 3/32 -2-	
34	383 271 R92	VALVE ASSY, CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF VALVES-	
	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32	
	381 884 R1	O-RING, 1 X 1-3/16 X 3/32 -2-	
35	469 782 R3	COVER, CONVERTIBLE END	
	381 784 R1	SCREW, 3/8-16 X 3-3/8 HEX-HD CAP -2-	
	381 783 R1	SCREW, 3/8-16 X 3-7/8 HEX-HD CAP	
36	9 411 122	TEE, 1-5/16-12 CD OR ZN-PLTD FLARED TUBE ADJ	
	9 410 285	ELBOW, 1-5/16-12 CD OR ZN-PLTD FLARED TUBE 90 DEG SWIVEL	
37	364 879 R1	O-RING, 7/8 X 1-11/16 X 3/32	
38	378 985 R2	WASHER, BACKUP	
39	383 219 R1	O-RING, 15/16 X 1-1/8 X 3/32	
40	378 899 R1	PLUG, RELIEF VALVE CHAMBER	
41	383 942 R91	HOSE ASSY, 17 GPM PUMP PRESSURE	
42	469 785 R1	UNION, 1-5/16 X 1-3/16 REDUCING	
43	383 941 R91	HOSE ASSY, BACKHOE RETURN	
44	369 758 R1	CLAMP, TUBE -2-	
		NUT, 5/16-18 CD OR ZN-PLTD HEX.	
		SCREW, 5/16-18 X 1-1/2 CD OR ZN-PLTD HEX-HD CAP	
	138 538	WASHER, 5/16 CD OR ZN-PLTD INT-TOOTH LOCK	
45	383 122 R1	CLAMP, LOADER VALVE TO AUXILIARY VALVE TUBE	
46	384 291 R1	CLAMP, RETURN TUBE	
		SCREW, 3/8-16 X 1-1/8 HEX-HD CAP	
47	444 044	ELBOW, 1/2-14 AUTO. 90 DEG STREET -USED ONLY WITH TRACTORS HAVING TANDEM HYDRAULIC PUMPS-	

3120 BACKHOE -42- SECTION A

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -FOR 3414 LOADER -CONTINUED TRACTOR W/HYDRAULIC LIFT & AUXILIARY VALVE	
48	470 818 R91	HOSE ASSY, ISOLATER VALVE TO BACKHOE TUBING -USED ONLY WITH TRACTORS HAVING TANDEM HYDRAULIC PUMPS-	

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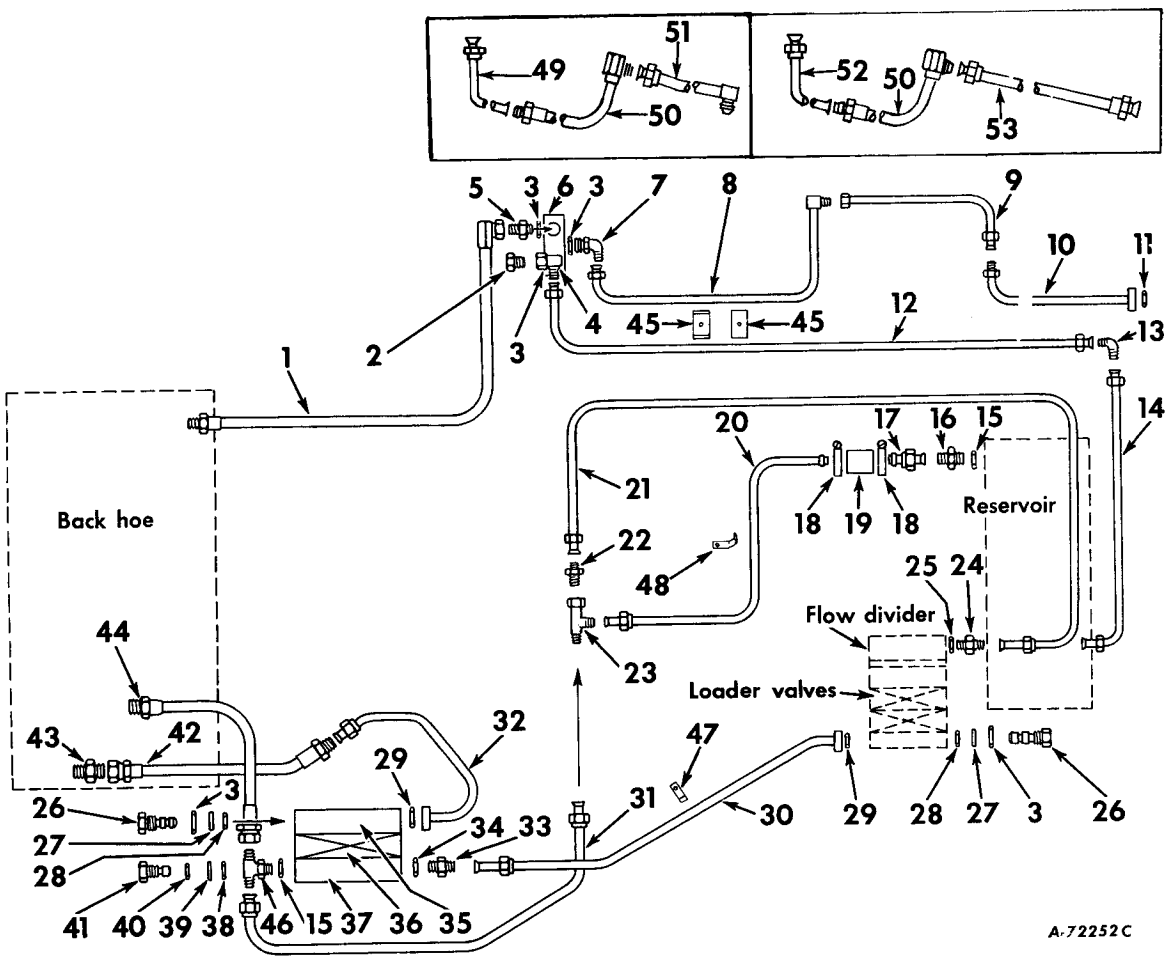
HYDRAULIC CONNECTIONS
-FOR 3414 LOADER TRACTOR W/AUXILIARY VALVE



REF. NO.	PART NUMBER	DESCRIPTION
1	469 731 R91	HOSE ASSY, 1/2 X 24 IN. PRESSURE
2	9 403 334	PLUG, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE
3	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -5-
4	383 943 R91	ELBOW W/SWIVEL, 90 DEG SIDE OUTLET
5	9 410 204	CONNECTOR, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE SHORT SWIVEL
6	389 251 R91	VALVE ASSY, DIVERTER -OPTIONAL WITH 383 946 R91-
6	383 946 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF VALVES- NUT, 5/16-18 CD OR ZN-PLTD HEX. -2- SCREW, 5/16-18 X 1-3/4 CD OR ZN-PLTD HEX-HD CAP -2- WASHER, 5/16 CD OR ZN-PLTD MED LOCK -2-
7	9 410 978	ELBOW, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE

HYDRAULIC CONNECTIONS -CONTINUED
-FOR 3414 LOADER TRACTOR W/AUXILIARY VALVE

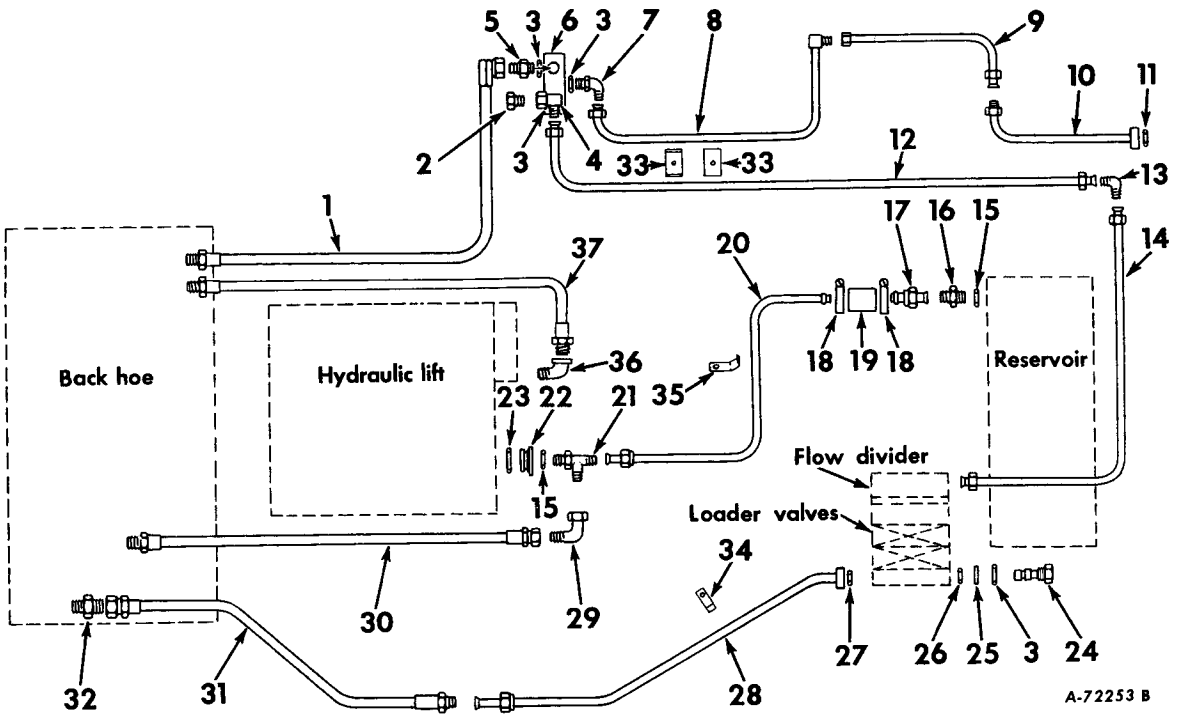
REF. NO.	PART NUMBER	DESCRIPTION
8	383 940 R11	TUBE ASSY, 9 GPM PRESSURE DIVERTER V END -ORDER 483 144 R11- -FOR TRACTORS W/O TORQUE CONVERTER ATTACHMENT-
8	483 144 R11	TUBE ASSY, 9 GPM PRESSURE DIVERTER END
9	383 936 R11	TUBE ASSY, 9 GPM PRESSURE CENTER
10	383 937 R92	TUBE ASSY, 9 GPM PRESSURE PUMP END
	138 203	SCREW, 1/4-20 X 1-1/4 HEX-SOC-HD CAP -4-
		WASHER, 1/4 CD OR ZN-PLTD MED LOCK -4-
11	352 221 R1	O-RING, 9/16 X 3/4 X 3/32
12	383 939 R11	TUBE ASSY, POWER STEERING DIVERTING VALVE -ORDER 48 . 143 R11-
12	483 143 R11	TUBE ASSY, POWER STEERING DIVERTER VALVE -FOR TRACTORS W/O TORQUE CONVERTER ATTACHMENT-
13	9 402 944	UNION, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -CONTINUED -FOR 3414 LOADER TRACTOR W/AUXILIARY VALVE	
14	383 938 R11	TUBE ASSY, POWER STEERING FLOW DIVIDER -FOR TRACTORS W/O TORQUE CONVERTER ATTACHMENT-	
14	391 998 R11	PIPE ASSY, RETURN TO FLOW DIVIDER -FOR TRACTORS W/TORQUE CONVERTER-	
15	296 247 R1	O-RING, 1.171 X .116 -2-	
16	9 410 207	CONNECTOR, 1-5/16-12 CD OR ZN-PLTD FLARED TUBE SWIVEL	
17	383 051 R11	TUBE ASSY, RETURN FRONT	
18	39 128 H	CLAMP, HOSE -2-	
19	380 521 R1	HOSE, 1 X 3 IN.	
20	381 778 R11	TUBE ASSY, RETURN	
21	381 779 R11	TUBE ASSY, FLOW DIVIDER EXCESS	
22	381 785 R1	CONNECTOR, TUBE REDUCING	
23	9 410 337	TEE, 1-5/16-12 CD OR ZN-PLTD FLARED TUBE	
24	380 632 R1	CONNECTOR, REDUCING	
25	368 269 R1	O-RING, .924 X .116	
26	470 583 R1	PLUG, POWER BEYOND	
27	470 584 R1	WASHER, BACKUP -2-	
28	470 585 R1	O-RING, 1/2 X 11/16 X 3/32 -2-	
29	382 137 R1	O-RING, 1 X 1-3/16 X 3/32 -2-	
30	469 783 R21	TUBE ASSY, LOADER VALVE TO AUXILIARY VALVE SCREW, 3/8-16 X 1-1/8 CD OR ZN-PLTD HEX-HD CAP -2- WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2-	
31	471 116 R11	TUBE ASSY, AUXILIARY VALVE RETURN	
32	383 121 R21	TUBE ASSY, PRESSURE AUXILIARY TO BACKHOE SCREW, 3/8-16 X 1-1/8 CD OR ZN-PLTD HEX-HD CAP -2- WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2-	
33	9 410 206	CONNECTOR, 1-3/16-12 37 DEG CD OR ZN-PLTD HYD FLARED TUBE SWIVEL	
34	297 459 R1	O-RING, 1.048 X .116	
35	469 782 R3	COVER, CONVERTIBLE END	
	381 784 R1	SCREW, 3/8-16 X 3-3/8 HEX-HD CAP -2-	
	381 783 R1	SCREW, 3/8-16 X 3-7/8 HEX-HD CAP	
36	383 271 R92	VALVE ASSY, CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF VALVES-	
	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32	
	381 884 R1	O-RING, 1 X 1-3/16 X 3/32	
37	381 143 R1	COVER, PRESSURE END SCREW, 3/8-16 X 1 HEX-HD CAP -3-	
	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32	
	381 884 R1	O-RING, 1 X 1-3/16 X 3/32 -2-	
38	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32	
39	378 985 R2	WASHER, BACK-UP	
40	383 219 R1	O-RING, 15/16 X 1-1/8 X 3/32	
41	378 899 R1	PLUG, RELIEF VALVE CHAMBER	
42	383 942 R91	HOSE ASSY, 17 GPM PUMP PRESSURE	
43	469 785 R1	UNION, 1-5/16 X 1-3/16 REDUCING	

3120 BACKHOE -44- SECTION A

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -CONTINUED -FOR 3414 LOADER TRACTOR W/AUXILIARY VALVE	
44	383 941 R91	HOSE ASSY, BACKHOE RETURN	
45	369 758 R1	CLAMP, TUBE -2- NUT, 5/16-18 CD OR ZN-PLTD HEX. SCREW, 5/16-18 X 1-1/2 CD OR ZN-PLTD HEX-HD CAP	
	138 538	WASHER, 5/16 CD OR ZN-PLTD EXTERNAL TOOTH LOCK	
46	9 411 122	TEE, 1-5/16-12 CD OR ZN-PLTD TUBE ADJUSTABLE	
47	383 122 R1	CLAMP, LOADER VALVE TO AUXILIARY VALVE TUBE	
48	384 291 R1	CLAMP, RETURN TUBE SCREW, 3/8-16 X 1-1/8 HEX-HD CAP	
49	391 980 R11	PIPE ASSY, PUMP TO DIVERTER VALVE FRONT -ORDER 483 144 R11- -FOR TRACTORS W/TORQUE CONVERTER-	
49	483 144 R11	TUBE ASSY, PUMP TO DIVERTER VALVE FRONT	
50	380 025 R91	HOSE ASSY, BUCKET -2- -FOR TRACTORS W/TORQUE CONVERTER-	
51	391 981 R11	PIPE ASSY, PUMP TO DIVERTER VALVE REAR -ORDER 483 143 R11- -FOR TRACTORS W/TORQUE CONVERTER-	
51	483 143 R11	PIPE ASSY, PUMP TO DIVERTER VALVE REAR	
52	391 978 R11	PIPE ASSY, DIVERTER VALVE TO FLOW DIVIDER FRONT -ORDER 483 143 R11- -FOR TRACTORS W/TORQUE CONVERTER-	
52	483 143 R11	PIPE ASSY, DIVERTER VALVE TO FLOW DIVERTER FRONT	
53	391 979 R11	PIPE ASSY, DIVERTER VALVE TO FLOW DIVIDER REAR -ORDER 483 143 R11- -FOR TRACTORS W/TORQUE CONVERTER-	
53	483 143 R11	PIPE ASSY, DIVERTER VALVE TO FLOW DIVERTER REAR	

HYDRAULIC CONNECTIONS -FOR 3414 LOADER AND DOZER TRACTOR W/HYDRAULIC LIFT-



REF. NO.	PART NUMBER	DESCRIPTION
1	469 731 R91	HOSE ASSY, 1/2 X 24 IN. PRESSURE
2	9 403 334	PLUG, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE
3	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -5-
4	383 943 R91	ELBOW W/SWIVEL, 90 DEG SIDE OUTLET
5	9 410 204	CONNECTOR, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE SHORT SWIVEL
6	389 251 R91	VALVE ASSY, DIVERTER -OPTIONAL WITH 383 946 R91-
6	383 946 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF VALVES- NUT, 5/16-18 CD OR ZN-PLTD HEX. -2- SCREW, 5/16-18 X 1-3/4 CD OR ZN-PLTD HEX-HD CAP -2- WASHER, 5/16 CD OR ZN-PLTD MED LOCK -2-
7	9 410 978	ELBOW, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE
8	383 940 R11	TUBE ASSY, 9 GPM PRESSURE DIVERTER V END -ORDER 483 144 R11-
8	483 144 R11	TUBE ASSY, 9 GPM PRESSURE DIVERTER END
9	383 936 R11	TUBE ASSY, 9 GPM PRESSURE CENTER
10	383 937 R92	TUBE ASSY, 9 GPM PRESSURE PUMP END
	138 203	SCREW, 1/4-20 X 1-1/4 HEX-SOC-HD CAP -4-
		WASHER, 1/4 CD OR ZN-PLTD MED LOCK -4-

HYDRAULIC CONNECTIONS -FOR 3414 LOADER AND DOZER TRACTOR W/HYDRAULIC LIFT- -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
11	352 221 R1	O-RING, 9/16 X 3/4 X 3/32
12	383 939 R11	TUBE, POWER STEERING DIVERTING VALVE -ORDER 483 143 R11-
12	483 143 R11	TUBE ASSY, POWER STEERING DIVERTER
13	9 402 944	UNION, 7/8-14 37 DEG FLARED TUBE
14	383 938 R11	TUBE ASSY, POWER STEERING FLOW DIVIDER
15	296 247 R1	O-RING, 1.171 X .116 -2-
16	9 410 207	CONNECTOR, 1-5/16-12 CD OR ZN-PLTD FLARED TUBE SWIVEL
17	383 051 R11	TUBE ASSY, RETURN FRONT
18	39 128 H	CLAMP, HOSE -2-
19	380 521 R1	HOSE, 1 X 3 IN.
20	381 778 R11	TUBE ASSY, RETURN
21	9 411 135	TEE, 1-5/16-12 CD OR ZN-PLTD FLARED TUBE 90 DEG ADJ
22	381 777 R1	PLUG, LIFT RETURN
23	382 781 R1	O-RING, 1-3/4 X 1-15/16 X 3/32
24	470 583 R1	PLUG, POWER BEYOND -2-
25	470 584 R1	WASHER, BACK-UP -2-
26	470 585 R1	O-RING, 1/2 X 11/16 X 3/32
27	382 137 R1	O-RING, 1 X 1-3/16 X 3/32

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -FOR 3414 LOADER AND -CONTINUED DOZER TRACTOR W/HYDRAULIC LIFT-	
28	479 811 R11	TUBE ASSY, DOZER VALVE TO AUXILIARY VALVE -FOR 3414 DOZER-	
28	469 783 R11	TUBE ASSY, LOADER VALVE TO AUXILIARY VALVE -FOR 3414 LOADER-	
		SCREW, 3/8-16 X 1-1/8 CD OR ZN-PLTD HEX-HD CAP -2-	
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2-	
29	9 410 285	ELBOW, 1-5/16-12 CD OR ZN-PLTD FLARED TUBE 90 DEG SWIVEL	
30	383 941 R91	HOSE ASSY, BACKHOE RETURN	
31	383 942 R91	HOSE ASSY, 17 GPM PUMP PRESSURE	
32	469 785 R1	UNION, 1-5/16 X 1-3/16 REDUCING	
33	369 758 R1	CLAMP, TUBE -2-	
		NUT, 5/16-18 CD OR ZN-PLTD HEX.	
		SCREW, 5/16 X 1-1/2 CD OR ZN-PLTD HEX-HD CAP	
	138 538	WASHER, 5/16 CD OR ZN-PLTD EXTERNAL TOOTH LOCK	
34	383 122 R1	CLAMP, LOADER VALVE TO AUXILIARY VALVE TUBE	
35	384 291 R1	CLAMP, RETURN TUBE	
		SCREW, 3/8-16 X 1-1/8 HEX-HD CAP	
36	444 044	ELBOW, 1/2-14 AUTO. 90 DEG BRS STREET -USED ONLY WITH TRACTORS HAVING TANDEM HYDRAULIC PUMPS-	
37	470 818 R91	HOSE ASSY, ISOLATER VALVE TO BACKHOE TUBING -USED ONLY WITH TRACTORS HAVING TANDEM HYDRAULIC PUMPS-	

3120 BACKHOE -46- SECTION A

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

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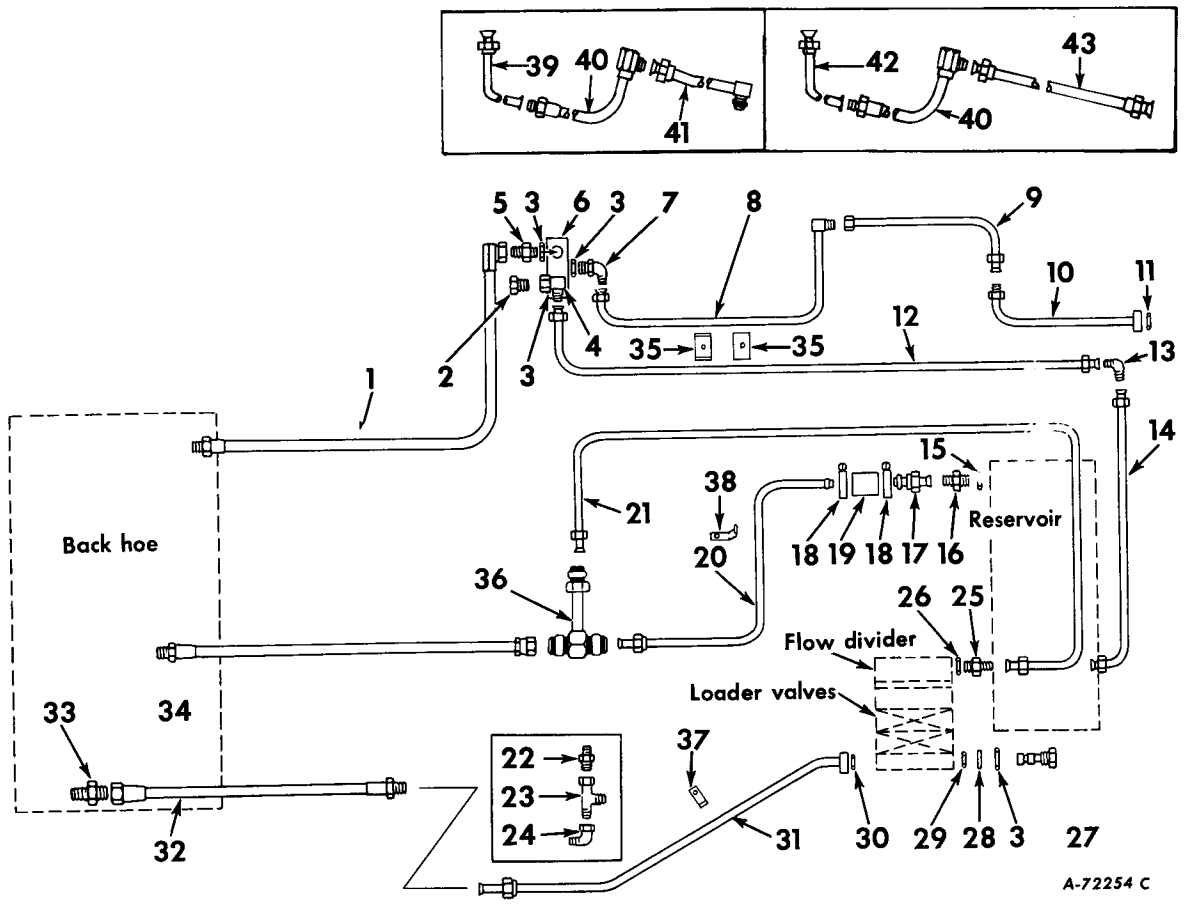
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTION -FOR 3414 LOADER & DOZER TRACTOR W/O HYD LIFT AND AUX VALVE-

3120 BACKHOE -47- SECTION A

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTION -FOR 3414 LOADER & DOZER TRACTOR W/O HYD LIFT AND AUX VALVE- -CONTINUED



1		469 731 R91	HOSE ASSY, 1/2 X 24 IN. PRESSURE
2	9	403 334	PLUG, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE
3		364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -4-
4		383 943 R91	ELBOW W/SWIVEL, 90 DEG SIDE OUTLET
5	9	410 204	CONNECTOR, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE SHORT SWIVEL
6		389 251 R91	VALVE ASSY, DIVERTER -OPTIONAL WITH 383 946 R91-
6		383 946 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF VALVES-
			NUT, 5/16-18 CD OR ZN-PLTD HEX. -2-
			SCREW, 5/16-18 X 1-3/4 CD OR ZN-PLTD CAP -2-
			WASHER, 5/16 CD OR ZN-PLTD MED LOCK -2-
7	9	410 978	ELBOW, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE
8		383 940 R11	TUBE ASSY, 9 GPM PRESSURE DIVERTER V END -ORDER 483 144 R11- -FOR TRACTORS W/O TORQUE CONVERTER ATTACHMENT-
8		483 144 R11	TUBE ASSY, 9 GPM PRESSURE DIVERTER END
9		383 936 R11	TUBE ASSY, 9 GPM PRESSURE CENTER
10		383 937 R91	TUBE ASSY, 9 GPM PRESSURE PUMP END
		138 203	SCREW, 1/4-20 X 1-1/4 HEX-SOC-HD CAP -4-
			WASHER, 1/4 CD OR ZN-PLTD LOCK -4-
11		352 221 R1	O-RING, 9/16 X 3/4 X 3/32
12		383 939 R11	TUBE ASSY, POWER STEERING DIVERTING VALVE -ORDER 483 143 R11-
12		483 143 R11	TUBE ASSY, POWER STEERING DIVERTER VALVE -FOR TRACTORS W/O TORQUE CONVERTER ATTACHMENT-
13	9	402 944	UNION, 7/8-14 37 DEG C-Z FLARED TUBE
14		383 938 R11	TUBE ASSY, POWER STEERING FLOW DIVIDER -FOR TRACTORS W/O TORQUE CONVERTER ATTACHMENT-
14		391 998 R11	PIPE ASSY, RETURN TO FLOW DIVIDER -FOR TRACTORS W/TORQUE CONVERTER-

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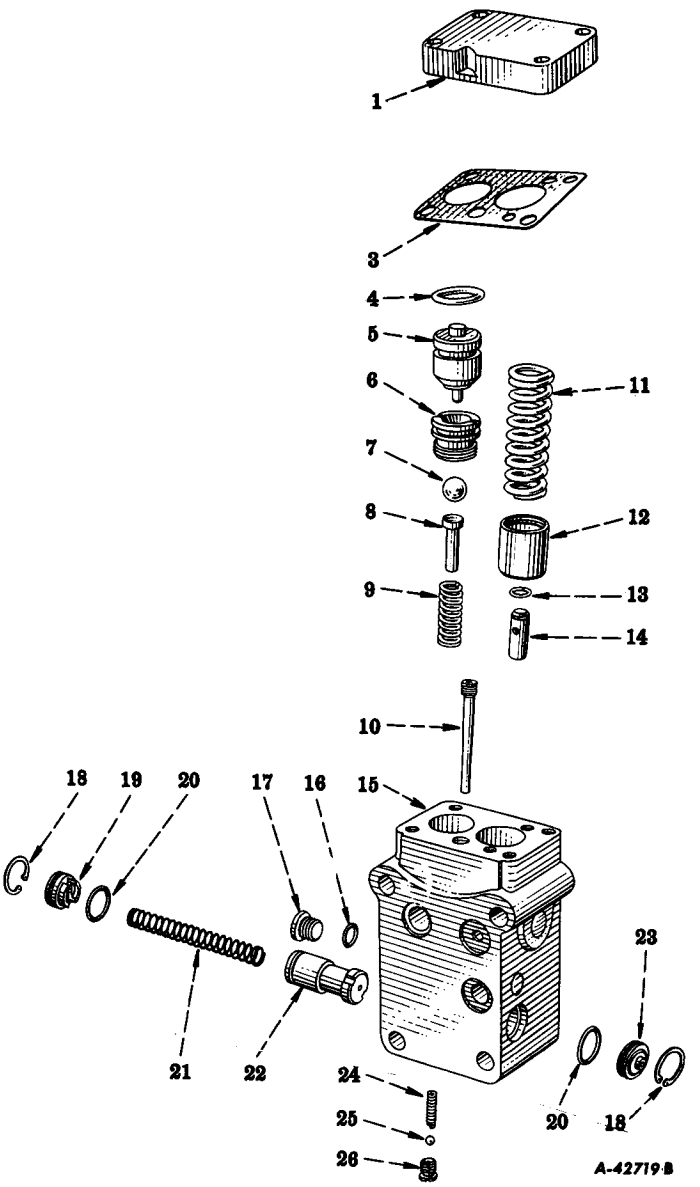
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTION -FOR 3414 LOADER & DOZER TRACTOR W/O HYD LIFT AND AUX VALVE- -CONTINUED	
15	296 247 R1	O-RING, 1.171 X .116	
16	9 410 207	CONNECTOR, 1-5/16-12 CD OR ZN-PLTD FLARED TUBE SWIVEL	
17	383 051 R11	TUBE ASSY, RETURN FRONT	
18	39 128 H	CLAMP, HOSE -2-	
19	380 521 R1	HOSE, 1 X 3 IN.	
20	381 778 R11	TUBE ASSY, RETURN	
21	381 779 R21	TUBE ASSY, FLOW DIVIDER EXCESS	
22	381 785 R1	CONNECTOR, 1 TO 1/2 IN. TUBE REDUCING -ORDER 385 125 R91-	
23	9 410 337	TEE, 1-5/16-12 CD OR ZN-PLTD FLARED TUBE -ORDER 385 125 R91-	
24	9 410 285	ELBOW, 1-5/16-12 CD OR ZN-PLTD FLARED TUBE 90 DEG SWIVEL -ORDER 385 125 R91-	
25	380 632 R1	CONNECTOR, REDUCING	
26	368 269 R1	O-RING, .924 X .116	
27	470 583 R1	PLUG, POWER BEYOND	
28	470 584 R1	WASHER, BACK-UP	
29	470 585 R1	O-RING, 1/2 X 11/16 X 3/32	
30	382 137 R1	O-RING, 1 X 3/16 X 3/32	
31	479 811 R11	TUBE ASSY, DOZER VALVE TO AUXILIARY VALVE -FOR 3414 DOZER-	
31	469 783 R11	TUBE ASSY, LOADER VALVE TO AUXILIARY VALVE -FOR 3414 LOADER-	
		SCREW, 3/8-16 X 1-1/8 CD OR ZN-PLTD HEX-HD CAP -2-	
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2-	
32	383 942 R91	HOSE ASSY, 17 GPM PUMP PRESSURE	
33	469 785 R1	UNION ASSY, 1 X 26 IN. BACKHOE TO TEE	
34	383 941 R91	HOSE ASSY, BACKHOE RETURN	
35	369 758 R1	CLAMP, TUBE -2-	
		NUT, 5/16-18 CD OR ZN-PLTD HEX.	
		SCREW, 5/16-18 X 1-1/2 CD OR ZN-PLTD HEX-HD CAP	
	138 538	WASHER, 5/16 C-Z EXT-TOOTH LOCK	
36	385 125 R91	FITTING, HYD 37 DEG FLARED TUBE	
37	383 122 R1	CLAMP, LOADER VALVE TO AUXILIARY VALVE TUBE	
38	384 291 R1	CLAMP, RETURN TUBE	
		SCREW, 3/8-16 X 1-1/8 HEX-HD CAP	
39	391 980 R11	PIPE ASSY, PUMP TO DIVERTER VALVE FRONT -ORDER 483 144 R11- -FOR TRACTORS W/TORQUE CONVERTER-	
39	483 144 R11	TUBE ASSY, PUMP TO DIVERTER VALVE FRONT	
40	380 025 R91	HOSE ASSY, BUCKET -2- -ORDER 483 144 R11-	
40	391 981 R11	PIPE ASSY, PUMP TO DIVERTER VALVE REAR -ORDER 483 144 R11- -FOR TRACTORS W/TORQUE CONVERTER-	
40	483 144 R11	PIPE ASSY, PUMP TO DIVERTER VALVE REAR	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTION -FOR 3414 LOADER & DOZER TRACTOR W/O HYD LIFT AND AUX VALVE- -CONTINUED	
41	391 978 R11	PIPE ASSY, DIVERTER VALVE TO FLOW DIVIDER FRONT -ORDER 483 143 R11- -FOR TRACTORS W/TORQUE CONVERTER-	
41	483 143 R11	PIPE ASSY, DIVERTER VALVE TO FLOW DIVERTER FRONT	
42	391 979 R11	PIPE ASSY, DIVERTER VALVE TO FLOW DIVIDER REAR -ORDER 483 143 R11- -FOR TRACTORS W/TORQUE CONVERTER-	
42	483 143 R11	PIPE ASSY, DIVERTER VALVE TO FLOW DIVERTER REAR	

REGULATOR SAFETY AND FLOW CONTROL VALVE

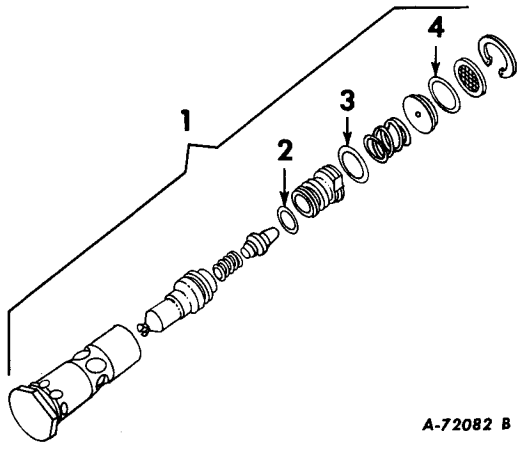


364 841 R96 VALVE ASSY, REGULATOR SAFETY AND FLOW CONTROL

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		REGULATOR SAFETY AND FLOW CONTROL VALVE -CONTINUED	
1	360 629 R21	COVER ASSY, REGULATOR SAFETY AND FLOW CONTROL VALVE HOUSING SCREW, 5/16-18 X 1-1/4 CD-PLTD HEX-HD CAP -4- WASHER, 5/16 CD-PLTD MED LOCK -4-	
2		NOT USED	
3	360 630 R1	GASKET, REGULATOR SAFETY AND FLOW CONTROL VALVE HOUSING COVER	
4	352 024 R2	O-RING, 55/64 X 1-1/8 X 9/64 -REGULATOR VALVE PISTON-	
5	366 638 R91	PISTON ASSY, REGULATOR VALVE	
6	366 665 R2	SEAT, REGULATOR VALVE -ALSO ORDER BALL, 17 015 R1-	
7	17 015 R1	BALL, 15/32 DIA. CR-PLTD STL	
8	350 084 R2	RIDER, REGULATOR VALVE BALL	
9	352 026 R2	SPRING, REGULATOR VALVE BALL RIDER	
10	370 766 R92	ORIFICE ASSY, SAFETY VALVE	
11	360 626 R2	SPRING, SAFETY VALVE	
12	360 627 R2	RETAINER, SAFETY VALVE SPRING	
13	354 854 R2	RING, SAFETY VALVE PISTON SNAP	
14	361 023 R1	PISTON, SAFETY VALVE	
15	364 842 R96	HOUSING ASSY, REGULATOR SAFETY AND FLOW CONTROL VALVE COMPOSED OF- $1 HOUSING 364 844 R4 $2 PLUG 360 623 R1 $1 PLUG 366 641 R1 1 PLUG 9 410 359 1 RING 570 828 R1 $1 VALVE 367 832 R2	
16	570 828 R1	O-RING, 41/64 X 13/16 X 5/64 -REGULATOR SAFETY AND FLOW CONTROL HOUSING PLUG - USED WITH PLUG, 9 410 359-	
17	9 410 359	PLUG, 3/4-16 REGULATOR SAFETY AND FLOW CONTROL VALVE HOUSING -USED WITH HOUSING, 364 844 R4-	
18	364 838 R1	RING, FLOW CONTROL VALVE SNAP -2-	
19	364 848 R11	RETAINER ASSY, FLOW CONTROL VALVE SPRING	
20	364 840 R1	O-RING, 13/16 X 15/16 X 1/16 -FLOW CONTROL VALVE SPRING RETAINER- -2-	
21	367 833 R1	SPRING, FLOW CONTROL VALVE	
22	377 204 R1	VALVE, FLOW CONTROL	
23	364 846 R1	RETAINER, FLOW CONTROL VALVE	
24	365 348 R1	SPRING, AUXILIARY SAFETY VALVE	
25	16 006 R1	BALL, 3/16 DIA. CR-PLTD STL	
26	365 347 R1	SEAT, AUXILIARY SAFETY VALVE	

3120 BACKHOE -49- SECTION A

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		PILOT RELIEF VALVE	



REF. NO.	PART NUMBER	DESCRIPTION
1	388 208 R91	VALVE ASSY, PILOT OPERATED RELIEF -2000 P.S.I.-
2	359 158 R1	O-RING, 5/16 X 7/16 X 1/16 -BALL RIDER-
3	379 181 R1	O-RING, 5/8 X 3/4 X 1/16 -VALVE SEAT-
4	298 385 R1	O-RING, 11/16 X 13/16 X 1/16 -ORIFICE PLATE-

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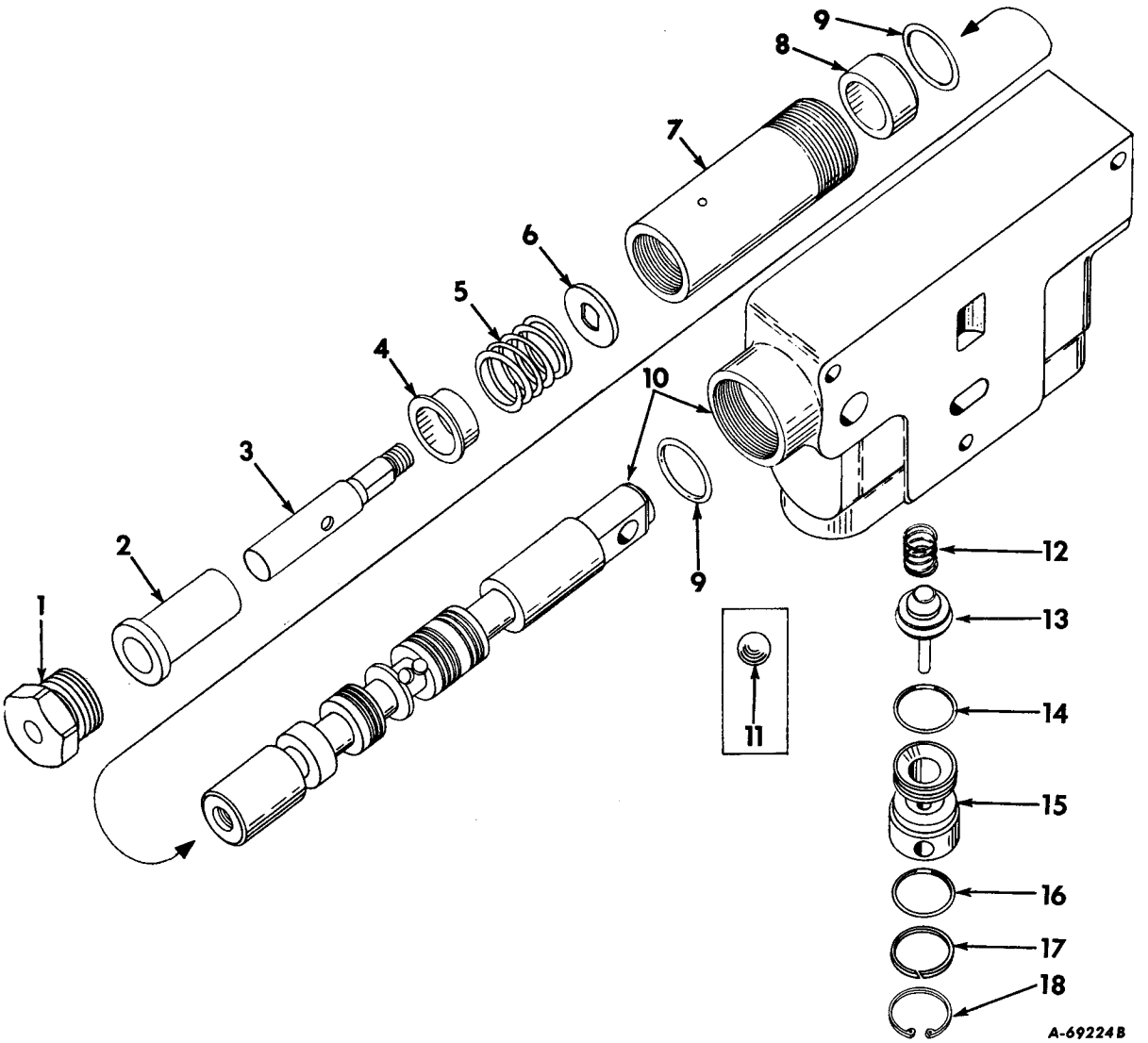
THREE POSITION CONTROL VALVE
-WITH 1 IN. SPOOL- -1962-

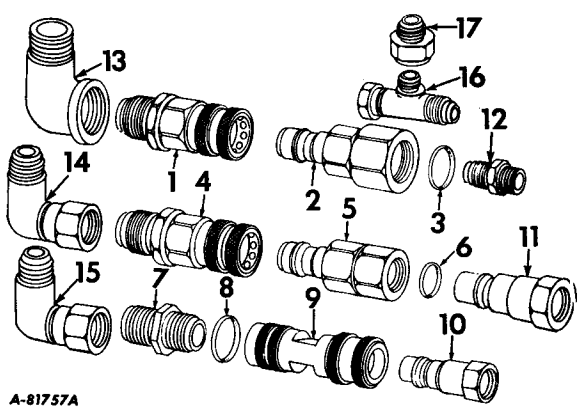


REP. NO.	PART NUMBER	DESCRIPTION	BKH-1
	376 388 R94	VALVE ASSY, HYD CONTROL -W/1 IN. SPOOL -ORDER 383 270 R91-	
	376 389 R94	VALVE ASSY, HYD CONTROL W/1 IN. SPOOL -ORDER 383 271 R91-	
1	387 425 R11	CAP ASSY, CONTROL VALVE -ORDER CAP, 376 425 R1 AND PLUG 432 539-	
1	376 425 R1	CAP, CONTROL VALVE	
	432 539	PLUG, 7/16 STEEL BUTTON	
2	376 453 R1	SLEEVE, POSITION CONTROL	
3	387 419 R1	ACTUATOR, CENTERING SPRING	

THREE POSITION CONTROL VALVE -CONTINUED
-WITH 1 IN. SPOOL- -1962-

REP. NO.	PART NUMBER	DESCRIPTION	BKH-1
4	376 423 R1	RETAINER, CENTERING SPRING	
5	376 422 R1	SPRING, CENTERING	
6	376 420 R1	WASHER, CENTERING SPRING-THIN	
7	376 430 R1	SLEEVE, CAP RETAINING	
8	376 411 R1	RETAINER, VALVE SPOOL O-RING	
9	382 137 R1	O-RING, 1 X 1-3/16 X 3/32 -CONTROL VALVE SPOOL -2- -NOTE A-	
9	350 818 R1	O-RING, 1 X 1-1/4 X 1/8 -CONTROL VALVE SPOOL UPPER -NOTE B-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		THREE POSITION CONTROL VALVE -CONTINUED -WITH 1 IN. SPOOL- -1962-	
9	382 137 R1	O-RING, 1 X 1-3/16 X 3/32 -CONTROL VALVE SPOOL LOWER -NOTE B-	
10	376 410 R22	BODY ASSY, CONTROL VALVE	
10	376 412 R93	BODY ASSY, CONTROL VALVE	
11	376 431 R1	BALL, CHECK - USED WITH RETAINER, 376 432 R1 AND 381 746 R1-	
12	383 190 R1	SPRING, CHECK POPPET	
13	383 188 R11	POPPET ASSY, CHECK	
14	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32 -CHECK BALL RETAINER INNER-	
15	376 432 R1	RETAINER, CHECK BALL - NOTE A-	
15	381 746 R1	RETAINER, CHECK BALL -NOTE B- -ORDER POPPET ASSY 383 188 R11; RETAINER 383 189 R1; SPRING 383 190 R1	
15	383 189 R1	RETAINER, CHECK POPPET -NOTE C-	
16	383 219 R1	O-RING, 15/16 X 1-1/8 X 3/32 -CHECK BALL RETAINER OUTER-	
17	376 433 R1	WASHER, VALVE BODY PLUG O-RING BACK-UP	
18	228 275 R1	RING, CHECK BALL RETAINER SNAP -NOTE B-	
		NOTE A- USED ONLY WITH VALVE BODY, 376 410 R1 AND 376 412 R1	
		NOTE B- USED ONLY WITH VALVE BODY, 376 410 R2 AND 376 412 R2	
		NOTE C- USED ONLY WITH POPPET, 383 188 R11 AND SPRING, 383 190 R1	
		HYDRAULIC QUICK DISCONNECT COUPLER ATTACHMENT	



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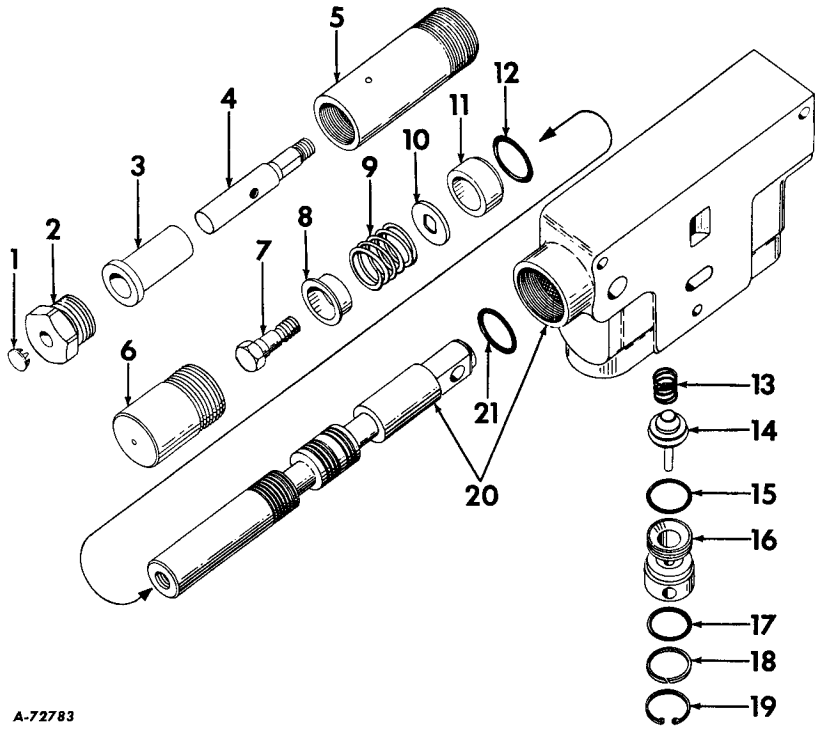
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC QUICK DISCONNECT COUPLER -CONTINUED ATTACHMENT	
		KEY TO UNITS	
		A - FOR USE W/T-340 OR TD-340 TRACTOR-	
		B - FOR USE W/INTERNATIONAL 404 OR 2404 TRACTOR-	
		C - FOR USE W/INTERNATIONAL 504, 606, 2504, AND 2606 TRACTORS-	
		D - FOR USE W/T-340, TD-340 OR 3414 LOADER TRACTOR W/O HITCH-	
		E - FOR 3414 LOADER TRACTOR W/HITCH AND TANDEM PUMP, W/O AUXILIARY VALVES-	
1	480 744 R91	COUPLING ASSY, HYD - SNAP TITE -UNIT A AND B-	
2	480 743 R91	NIPPLE ASSY, HYD - SNAP TITE -UNIT A AND B-	
3	296 247 R1	O-RING, 1-11/64 X 1-13/32 X 7/64 -UNIT A AND B-	
4	480 746 R91	COUPLING ASSY, HYD - SNAP TITE -UNIT A AND B-	
5	480 745 R91	NIPPLE ASSY, HYD - SNAP TITE -UNIT A AND B-	
6	297 459 R1	O-RING, 1-3/64 X 1-9/32 X 1/8 -UNIT A AND B-	
7	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FALRED -2 FOR UNIT A AND D- -3 FOR UNIT B- -1 FOR UNIT C-	
8	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -3 FOR UNIT A AND B- -1 FOR UNIT C AND E- -2 FOR UNIT D-	
9	374 780 R92	COUPLING ASSY, SELF SEALING FEMALE - FOR UNIT A, C, D AND E- -3 FOR UNIT B-	
10	388 990 R91	COUPLING ASSY, SELF SEALING MALE -2 FOR UNIT A AND D- -3 FOR UNIT B- -1 FOR UNIT C-	
11	388 991 R91	COUPLING ASSY, SELF SEALING MALE -1 FOR UNIT E-	
12	9 402 710	CONNECTOR, 1/2-14 TO 7/8-14 37 DEG FLARED TUBE -1 FOR UNIT E-	
13	444 172	ELBOW, 1/2-14 AUTO 90 DEG ST. -1 FOR UNIT E-	
14	9 410 284	ELBOW, 1-3/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL -1 FOR UNIT E-	
15	9 410 285	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL -1 FOR UNIT E-	
16	9 410 337	TEE, 1-5/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL -UNIT C-	
17	483 594 R1	UNION, TUBE REDUCER -UNIT C-	
	2 752 936 R1	PRODUCT GRAPHIC, WARNING -BE SURE HYD QUICK COUPLERS ARE PROPERLY CONNECTED BEFORE STARTING ENGINE-	

THREE POSITION CONTROL VALVE
-WITH 7/8 IN. SPOOL -1962 & SINCE-



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REF. NO.	PART NUMBER	DESCRIPTION	8KH-1
	383 270 R92	VALVE ASSY, HYD CONTROL -W/7/8 IN. SPOOL-	
	383 271 R92	VALVE ASSY, HYD CONTROL -W/7/8 IN. SPOOL-	
1	432 539	PLUG, 7/16 STEEL BUTTON	
2	376 425 R1	CAP, CONTROL VALVE	
3	376 453 R1	SLEEVE, POSITION CONTROL -ORDER 384 287 R1 AND 384 288 R1-	
4	387 419 R2	ACTUATOR, CENTERING SPRING -ORDER 384 287 R1 AND 384 288 R1-	
5	376 430 R1	SLEEVE, CAP RETAINING	
6	384 287 R1	CAP, CENTERING SPRING	
7	384 288 R1	SCREW, CENTERING SPRING	
8	376 423 R1	RETAINER, CENTERING SPRING	
9	384 381 R1	SPRING, CENTERING	
10	376 421 R1	WASHER, CENTERING SPRING THICK	
11	382 852 R1	RETAINER, VALVE SPOOL O-RING	
12	253 070 R1	O-RING, 7/8 X 1-1/8 X 1/8 -CONTROL VALVE SPOOL UPPER-	
13	383 190 R1	SPRING, CHECK POPPET -FURNISH 395 278 R1-	
13	395 278 R1	SPRING, CHECK POPPET	

3120 BACKHOE -52- SECTION A

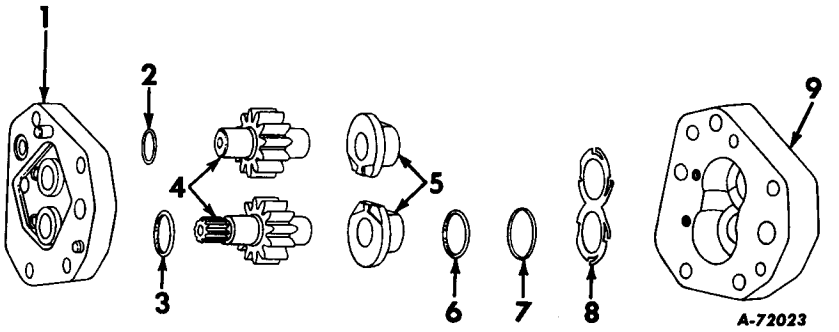
THREE POSITION CONTROL VALVE -CONTINUED
-WITH 7/8 IN. SPOOL -1962 & SINCE-

REF. NO.	PART NUMBER	DESCRIPTION	8KH-1
14	383 279 R11	POPPET W/SEAL, CHECK -FURNISH 395 277 R1 AND 395 278 R1-	
14	395 277 R1	POPPET W/SEAL, CHECK	
15	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32 -CHECK BALL RETAINER INNER-	
16	383 280 R1	RETAINER, CHECK BALL	
17	362 796 R1	O-RING, 15/16 X 1-1/8 X 3/32 -CHECK BALL RETAINER OUTER-	
18	376 433 R1	WASHER, VALVE BODY PLUG O-RING BACK-UP	
19	228 275 R1	RING, CHECK BALL RETAINER SNAP	
20	382 850 R11	BODY ASSY, CONTROL VALVE -FOR 383 270 R91-	
20	383 276 R91	BODY ASSY, CONTROL VALVE -FOR 383 271 R91-	
21	380 839 R1	O-RING, 7/8 X 1-1/16 X 3/32 -CONTROL VALVE SPOOL LOWER-	
	383 548 R92	PACKAGE, OPEN CENTER CONTROL VALVE CONSISTS OF-	

1	O-RING	253 070 R1
1	O-RING	380 839 R1
1	O-RING	359 158 R1
1	O-RING	377 805 R1
1	O-RING	362 796 R1
1	O-RING	364 879 R1
1	PISTON, UNLATCHING	377 804 R1
1	POPPET ASSY	383 279 R11
1	RETAINER	382 852 R1
1	RETAINER	383 280 R1
1	RING, SNAP	228 275 R1
1	SPRING	383 190 R1
1	WASHER	376 433 R1

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC GEAR PUMP
-THOMPSON 7 GPM-



	381 115 R92	PUMP ASSY, HYD GEAR -OPTIONAL WITH 381 116 R91-	
1	383 201 R92	COVER ASSY, PUMP FRONT -NOTE-	
2		O-RING, 9/16 X 11/16 -PUMP COVER PRESSURE -NOT SERVICED SEPARATELY -ORDER PACKAGE, 371 542 R92-	
3		O-RING, PUMP COVER -NOT SERVICED SEPARATELY - ORDER PACKAGE 371 542 R92-	
4	371 806 R91	PACKAGE, DRIVE AND DRIVEN GEAR -NOTE-	
5	381 159 R91	PACKAGE, PRESSURE BEARING -NOTE-	
6		O-RING, 7/8 X 1-1/16 X 3/32 -2- -OUTSIDE PRESSURE BEARING- -NOT SERVICED SEPARATELY - ORDER PACKAGE, 371 542 R92-	
7	373 182 R1	RETAINER, PRESSURE BEARING O-RING -USED WITH O-RING OUTSIDE BEARING -2-	
8	371 531 R1	SPRING, PRESSURE PLATE	
9		BODY, PUMP -NOT SERVICED SEPARATELY ORDER PUMP ASSY-	
	371 542 R92	PACKAGE, HYD PUMP O-RING AND GASKET SERVICE	

CONSISTS OF-

1	GASKET	371 543 R2
$2	O-RING	253 070 R1
2	O-RING	364 879 R1
$2	O-RING	371 544 R1
$1	O-RING	371 545 R1
$2	WASHER	368 635 R1

NOTE- FOR SERVICE REPLACEMENT ALSO ORDER O-RING AND GASKET PACKAGE, 371 542 R92.

3120 BACKHOE -53- SECTION A

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC GEAR PUMP -CONTINUED
-THOMPSON 7 GPM-

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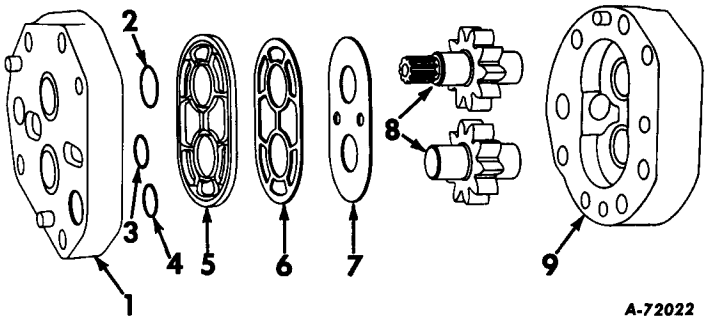
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC GEAR PUMP
-CESSNA 7 GPM-



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	381 116 R91	PUMP ASSY, HYD GEAR -OPTIONAL WITH 381 115 R91-	
1	381 158 R91	COVER ASSY, PUMP FRONT -NOTE-	
2	574 069 R1	O-RING, 3/4 X 7/8 X 1/16 -PUMP COVER-	
3	370 920 R1	O-RING, 1/2 X 5/8 X 1/16 -PUMP COVER-	
4		O-RING, 9/16 X 11/16 X 1/16 -PUMP PRESSURE EXTERNAL -NOT SERVICED SEPARATELY - ORDER PACKAGE 381 154 R91-	
4		O-RING, 9/16 X 11/16 X 1/16 -PUMP PRESSURE INTERNAL -NOT SERVICED SEPARATELY - ORDER PACKAGE 381 154 R91-	
5		SEAL, DIAPHRAGM -NOT SERVICED SEPARATELY - ORDER PACKAGE 381 154 R91-	
6		GASKET, BACK-UP -NOT SERVICED SEPARATELY - ORDER PACKAGE 381 154 R91-	
7		DIAPHRAGM, PRESSURE -NOT SERVICED SEPARATELY - ORDER PACKAGE 381 154 R91-	
8	371 813 R91	PACKAGE, DRIVE AND DRIVEN GEAR -NOTE-	
9	381 160 R91	BODY W/BUSHINGS ASSY, PUMP -NOTE-	
	381 154 R91	PACKAGE, HYD PUMP O-RING AND GASKET SERVICE CONSISTS OF-	

$1	DIAPHRAGM	371 551 R1
1	GASKET	371 543 R2
$1	GASKET	371 553 R1
$1	GASKET	381 155 R1
1	O-RING	370 920 R1
$2	O-RING	371 544 R1
1	O-RING	574 069 R1
$1	SEAL	371 552 R1
1	WASHER	370 897 R1

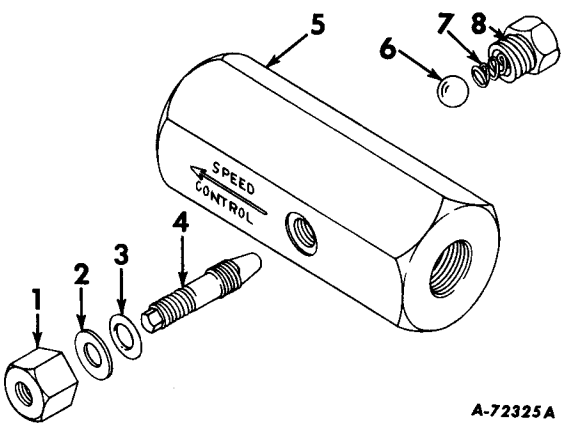
NOTE- FOR SERVICE REPLACEMENT ALSO ORDER O-RING AND GASKET PACKAGE, 381 154 R91.

3120 BACKHOE -54- SECTION A

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC GEAR PUMP -CONTINUED
-CESSNA 7 GPM-

FLOW CONTROL VALVE



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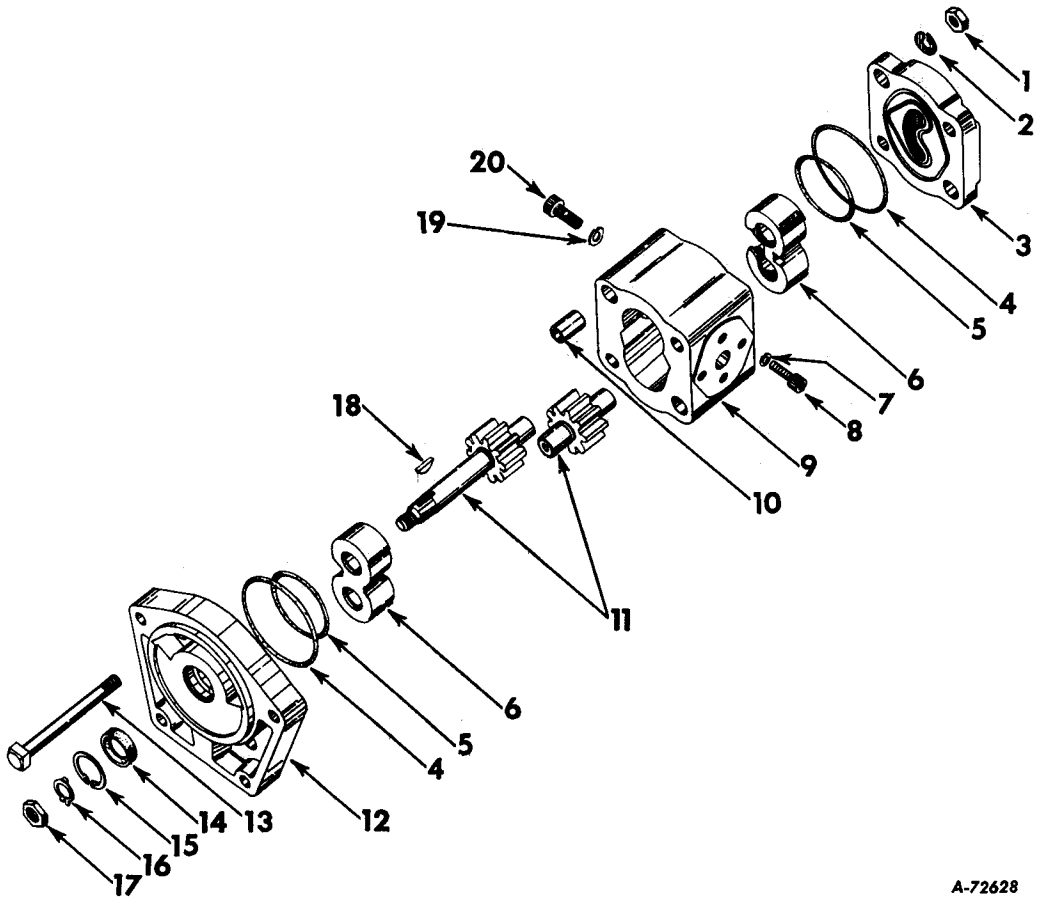
	470 776 R91	VALVE ASSY, FLOW CONTROL	
1	471 409 R1	NUT, LOCK	
2	471 408 R1	WASHER	
3	471 407 R1	RING, QUAD	
4	471 410 R1	SPOOL, NEEDLE CONTROL	
5		BODY, FLOW CONTROL VALVE -NOT SERVICED SEPARATELY, ORDER VALVE ASSY-	
6	518 474 R1	BALL, CHECK	
7	471 403 R1	SPRING	
8	471 404 R1	PLUG	

HYDRAULIC PUMP
-DIESEL ENGINE TRACTOR-



A-72628

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	3 043 981 R93	PUMP ASSY, HYDRAULIC -9 GPM-	
1	3 044 632 R1	NUT, 3/8-24 HEX. -4-	
2	3 044 634 R1	WASHER, 3/8 LOCK -4-	
3	3 044 628 R1	COVER, PUMP	
4	3 044 623 R1	O-RING, FLANGE SEALING -2-	
5	3 044 624 R1	O-RING, PRESSURE RELIEF -2-	
6	3 049 628 R1	BEARING -2-	
7	3 044 644 R1	WASHER, SPRING -2-	
8	3 044 642 R1	SCREW, 1/4 X 3/4 ALLEN -2-	
9	3 049 626 R1	BODY, PUMP	
	364 879 R1	O-RING, MANIFOLD	
	352 221 R1	O-RING, MANIFOLD	
10	3 044 631 R1	DOWEL, HOLLOW -4-	
11	3 049 627 R91	GEAR SET, PUMP DRIVE	
12	708 395 R1	FLANGE, PUMP	
13	3 049 625 R1	BOLT -4-	
14	708 422 R91	SEAL, OIL	
15	3 044 626 R1	CIRCLIP	
16	3 044 636 R1	WASHER, LOCK	
17	3 044 638 R1	NUT, LOCK	
18	3 044 637 R1	KEY, WOODRUFF	
19	3 044 643 R1	WASHER, SPRING -2-	
20	3 044 641 R1	SCREW, ALLEN -2-	
	3 049 629 R91	PACKAGE, SEAL	

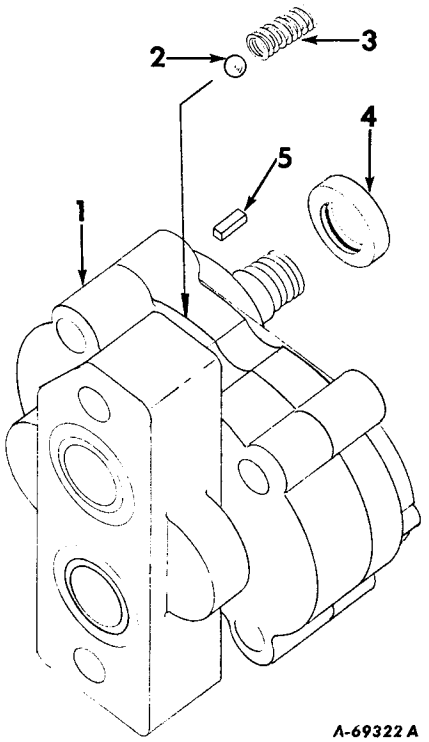
3120 BACKHOE -55- SECTION A

HYDRAULIC PUMP -CONTINUED
-DIESEL ENGINE TRACTOR-

PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 6

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC PUMP -CESSNA-
-GASOLINE ENGINE TRACTORS-



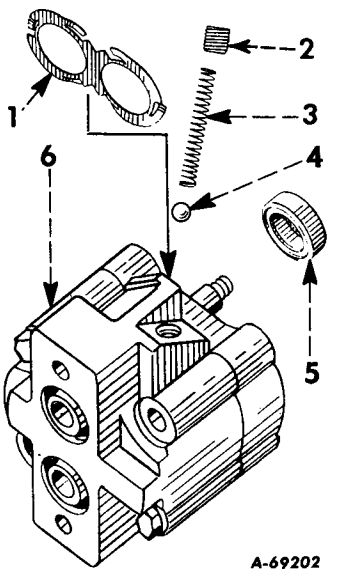
A-69322 A

1	376 993 R92	PUMP ASSY, HYDRAULIC -9 GPM-	
		-OPTIONAL WITH 368 633 R91-	
		-COMPOSED OF	
		1 BALL	16 077 R1
		$1 HOUSING ASSY	
		1 OIL SEAL	381 001 R91
		1 SPRING	381 523 R1-
2	16 007 R1	BALL, 7/32 DIA. CR-PLTD-STL	
3	371 523 R1	SPRING, BALL CHECK	
4	381 001 R91	SEAL, PUMP SHAFT OIL	
5	384 507 R1	KEY, PUMP SHAFT	
6	381 002 R91	PACKAGE, HYD PUMP O-RING AND GASKET SERVICE	
		-COMPOSED OF	
		$1 DIAPHRAGM	381 003 R1
		$1 DIAPHRAGM	381 006 R1
		1 GASKET	350 708 R1
		$1 GASKET	614 751 R1
		$1 GASKET	381 005 R1
		1 OIL SEAL	381 001 R91
		2 O-RING	382 137 R1
		$1 SEAL	381 004 R1-

3120 BACKHOE -56- SECTION A

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC PUMP -THOMPSON-
-GASOLINE ENGINE TRACTOR-



A-69202

1	361 629 R1	SPRING, PRESSURE PLATE	
2	362 336 R1	PLUG, BALL CHECK	
3	381 370 R1	SPRING, BALL CHECK	
4	16 011 R1	BALL, 11/32 DIA. CR-PLTD-STL	
5	381 369 R91	SEAL, PUMP SHAFT OIL	
6	368 633 R91	PUMP ASSY, HYDRAULIC -9 GPM-	
		-OPTIONAL WITH 376 933 R92-	
		-COMPOSED OF	
		1 BALL	16 011 R1
		$1 BODY ASSY	
		1 OIL SEAL	381 369 R91
		1 PLUG	362 336 R1
		$2 O-RING	253 070 R1
		$1 O-RING	293 726 R1
		2 RETAINER	373 182 R1
		1 SPRING	361 629 R1
		1 SPRING	381 370 R1
		$2 WASHER	368 635 R1-

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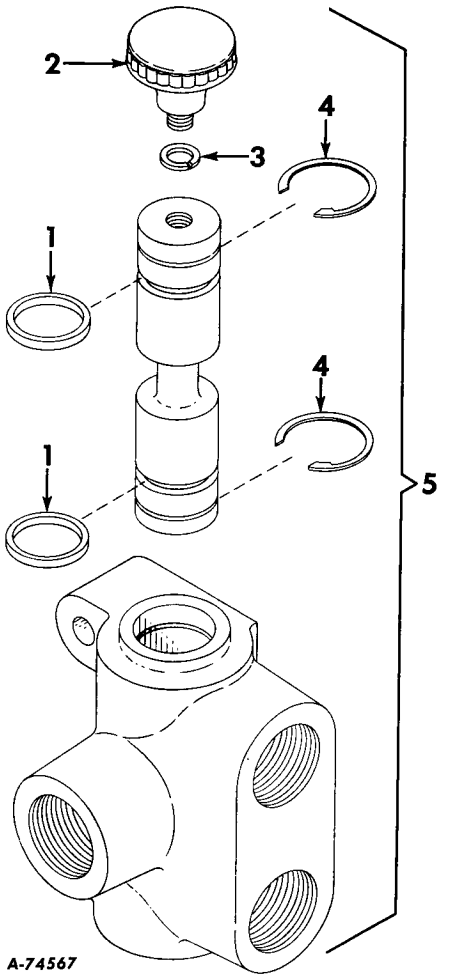
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

DIVERTER VALVE -FOR INTERNATIONAL 340,460, 504,606,2424,2504 AND 2606 TRACTORS-



1	377 952 R1	O-RING, 9/16 X 3/4 X 3/32 -2-	
2	384 283 R1	KNOB, CONTROL -NOTE A-	
2	389 255 R1	KNOV, CONTROL -NOTE B-	
3	120 381	WASHER, 3/8 C-Z LOCK -NOTE A-	
3	131 099	WASHER, 3/8 C-Z HV-LOCK -NOTE B-	
4	661 652 R1	RING, SELECTOR VALVE RETAINING -2-	
5	469 730 R91	VALVE ASSY, DIVERTER -NOTE A-	
5	389 252 R91	VALVE ASSY, DIVERTER -NOTE B-	

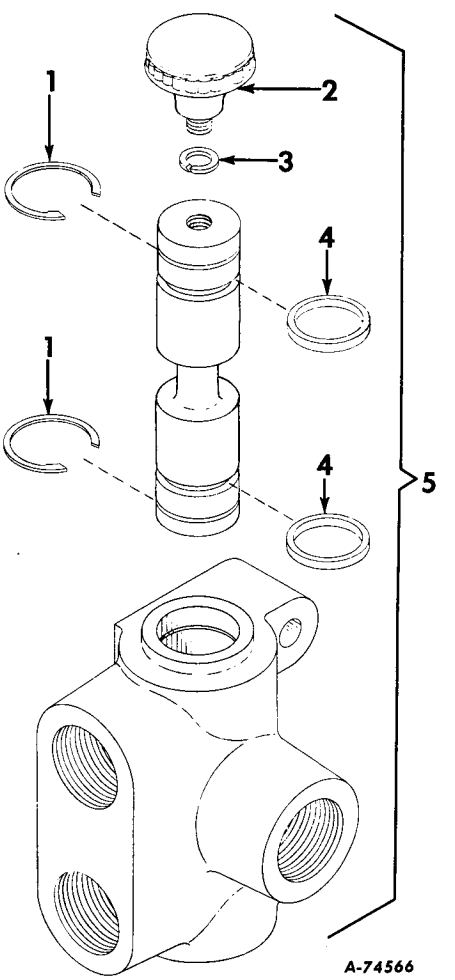
NOTE A - FOR SERVICE OF GRESEN DIVERTER VALVE-

NOTE B - FOR SERVICE OF IH MANUFACTURED DIVERTER VALVE-

3120 BACKHOE -57- SECTION A

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

DIVERTER VALVE -FOR 3414, 3514 AND 3616 LOADER TRACTOR-



1	661 652 R1	RING, SELECTOR VALVE RETAINING -2-	
2	384 283 R1	KNOB, CONTROL -NOTE A-	
2	389 255 R1	KNOB, CONTROL -NOTE B-	
3	120 381	WASHER, 3/8 C-Z LOCK -NOTE A-	
3	131 099	WASHER, 3/8 C-Z HV-LOCK -NOTE B-	
4	377 952 R1	O-RING, 9/16 X 3/4 X 3/32 -2-	
5	383 946 R91	VALVE ASSY, DIVERTER -NOTE A-	
5	389 251 R91	VALVE ASSY, DIVERTER -NOTE B-	

NOTE A - FOR SERVICE OF GRESEN DIVERTER VALVE-

NOTE B - FOR SERVICE OF IH MANUFACTURED DIVERTER VALVE-

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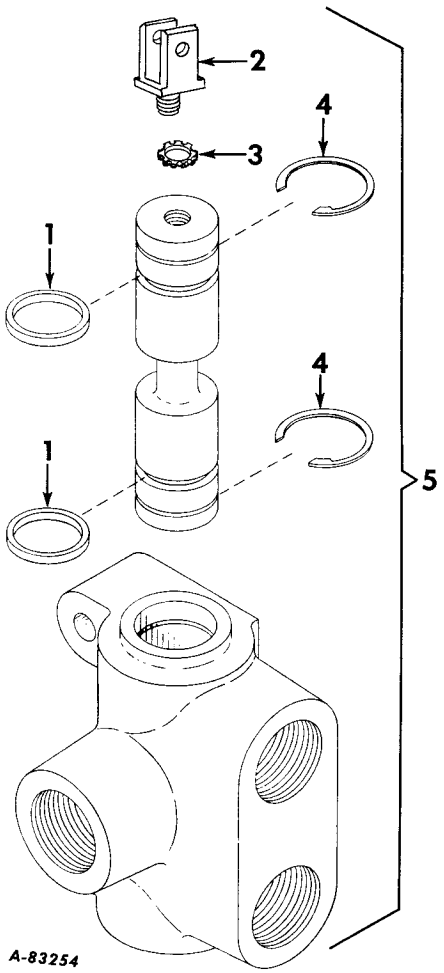
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

DIVERTER VALVE -FOR INTERNATIONAL 504 2504 606 2424 & 2606 TRACTOR- -1964 AND SINCE-

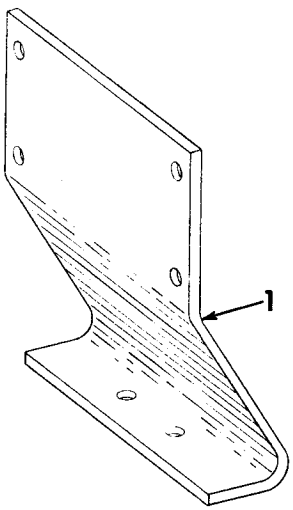


1	377 952 R1	O-RING, 9/16 X 3/4 X 3/32 -2-
2	669 547 R1	EXTENSION, VALVE LEVER
3	138 489	WASHER, 3/8 C-Z PLTD EXT-TOOTH
4	661 652 R1	RING, SELECTOR VALVE RETAINING -2-
5	478 887 R91	VALVE ASSY, DIVERTER

3120 BACKHOE -58- SECTION A

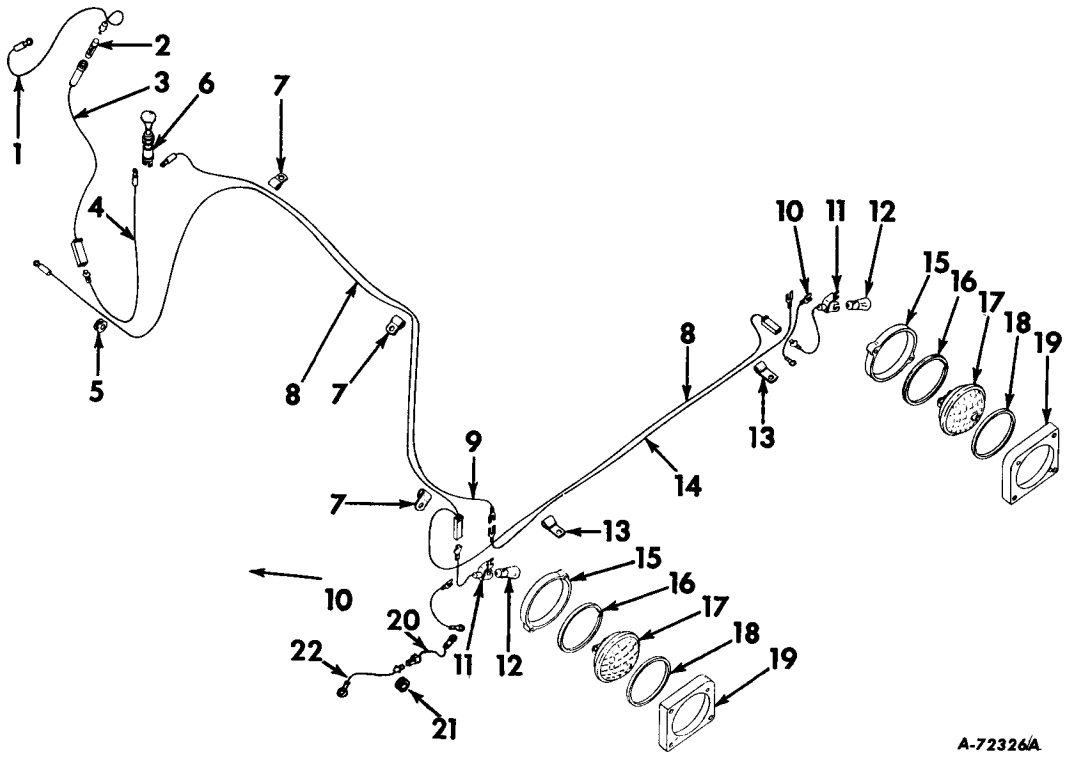
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

BATTERY MOUNTING BRACKET -FOR I-504 & I-606 DIESEL TRACTORS-



1	471 555 R1	BRACKET, BATTERY MOUNTING
		NUT, 1/2-13 CD OR ZN-PLTD HEX. -4-
		SCREW, 1/2-13 X 1-1/4 CD OR ZN-PLTD HEX-HD CAP -4-
		SCREW, 1/2-13 X 3-1/4 CD OR ZN-PLTD HEX-HD CAP -2-
		WASHER, 1/2 CD OR ZN-PLTD MED LOCK -4-
M	81 610	SPACER, BATTERY MOUNTING BRACKET -2- -FOR I-2504 AND I-606 DIESEL-
	313 517 R1	KEY, SQUARE
	664 151 R1	SPACER, BATTERY MOUNTING BRACKET -FOR I-504, I-606, I-2504 & I-2606

LIGHTING EQUIPMENT



REF. NO.	PART NUMBER	DESCRIPTION
1	469 656 R1	CAP ASSY, FUSE HOUSING
2	117 142	FUSE, 10 AMP
3	469 657 R1	HOUSING ASSY, FUSE
4	469 654 R1	CABLE ASSY, LIGHTING SWITCH TO FUSE HOUSING JUNCTION
5	134 252	GROMMET, LIGHTING SWITCH CABLE
6	362 818 R91	SWITCH ASSY, LIGHTING
	121 458	WASHER, 19/32 X 1-3/16 X .095 CD OR ZN-PLTD
7	366 460 R1	CLIP, CABLE SHORT -3-
		NUT, 5/16-18 CD OR ZN-PLTD HEX.
		SCREW, 5/16-18 X 3/4 CD OR ZN-PLTD HEX-HD CAP
		WASHER, 5/16 CD OR ZN-PLTD MED LOCK
		WASHER, 17/64 X 5/8 X .065
8	470 259 R91	CABLE ASSY, LAMP SOCKET JUNCTION
9	469 653 R1	CABLE ASSY, LIGHTING SWITCH TO LH LAMP
10	469 655 R1	CABLE ASSY, LAMP TO GROUND -2-
11	470 258 R91	SOCKET ASSY, LAMP -2-
12	455 490	LAMP, NO. 1003 12 VOLT -2-
13	362 667 R1	CLIP, CABLE LONG -2-
14	469 652 R1	CABLE ASSY, LH LAMP TO RH LAMP

3120 BACKHOE -59- SECTION A

LIGHTING EQUIPMENT -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
15	377 305 R1	RING, HEAD LAMP CLAMPING -2-
16	377 304 R1	RING, HEAD LAMP RETAINING-REAR -2-
17	371 461 R91	UNIT ASSY, 12 VOLT SEALED BEAM -2-
18	377 303 R1	RING, HEAD LAMP RETAINING - FRONT -2-
19	377 302 R1	HOUSING, HEAD LAMP -2-
		NUT, 1/4-20 CD OR ZN-PLTD HEX. -6-
	153 326	SCREW, 10-24 X 1-1/2 CD OR ZN-PLTD CR-REC-FIL-HD MACH -4-
	153 802	SCREW, 1/4-20 X 1-1/4 CD OR ZN-PLTD CR-REC-FIL-HD MACH -6-
		WASHER, 1/4 CD OR ZN-PLTD MED LOCK
20	481 701 R91	CABLE ASSY, LAMP TO GROUND WIRE -FOR 3514 AND 3616 TRACTOR-
21	128 157	GROMMET, RUBBER -FOR 3514 AND 3616 TRACTOR-
22	481 702 R91	CABLE ASSY, INTERMEDIATE GROUND -FOR 3514 AND 3616 TRACTOR-
	120 361	NUT, 10-24 C-Z HEX
	188 978	SCREW, 10-24 X 3/8 C-Z HEX-HD MACH
	120 217	WASHER, NO.10 C-Z MED LOCK

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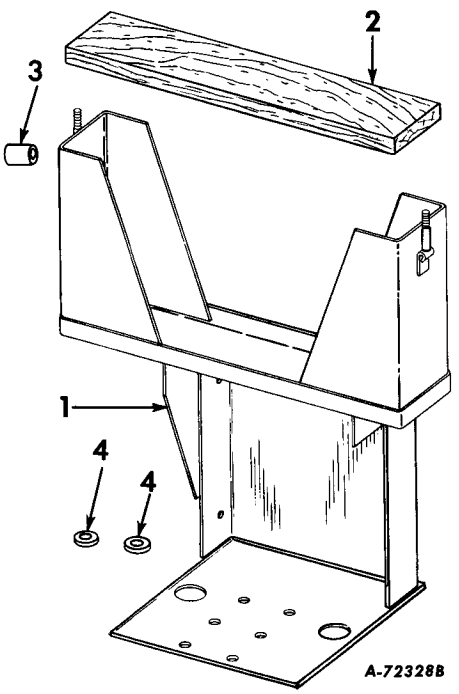
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

BATTERY TRAY -FOR 3414 LOADER TRACTOR-

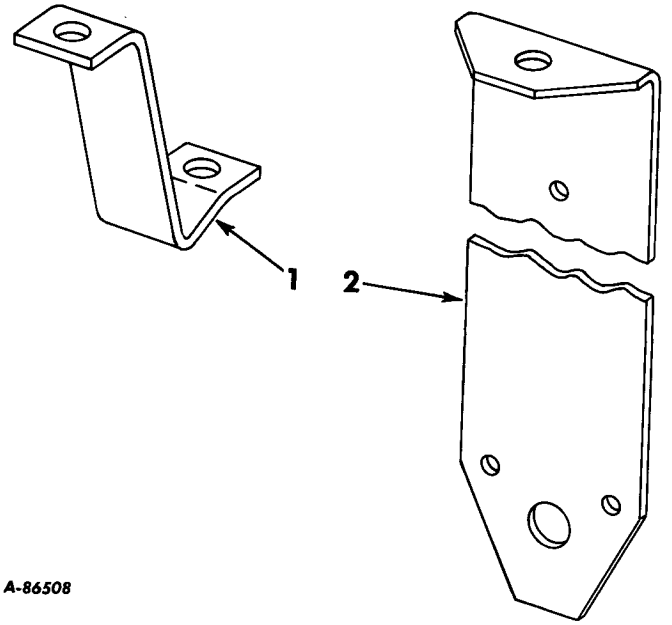


1	393 826 R91	TRAY ASSY, BATTERY -WILL WORK FOR 471 147 R94-	
		NUT, 1/2-13 CD OR ZN-PLTD HEX.	
	179 883	SCREW, 1/2-13 X 1-1/4 C-Z HEX-HD CAP -6-	
	50 939 DA	SCREW, BATTERY BOX -2-	
2	471 161 R1	SPACER, BATTERY -FOR GASOLINE VERSION ONLY-	
3 N	10 268	SPACER, BATTERY BOX -2-	
3	390 554 R1	WASHER, BATTERY BOX -4-	
	472 086 R91	CABLE ASSY, BATTERY TO SOLENOID SWITCH	

3120 BACKHOE -60- SECTION A

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

FLASHING LIGHT BRACKETS



1	394 420 R1	BRACKET, FLASHING LIGHT -FOR USE ON	
	120 378	NUT, 1/2-20 HEX.	
	180 173	SCREW, 1/2-20 X 1 HEX-HD CAP	
	120 386	WASHER, 1/2 X 1-1/4 X .064	
	120 384	WASHER, 1/2 MED LOCK	
2	485 354 R1	BRACKET, TAIL AND FLASHING LIGHT -FOR USE ON INTERNATIONAL 504, 606, 2424, 2504 AND 2606 TRACTORS-	

PRODUCT GRAPHICS

	473 003 R91	PRODUCT GRAPHICS SET, 3120 BACKHOE CONSISTS OF-
2	750 120 R1	PRODUCT GRAPHICS, IH LABEL -ON BOTH SIDES AND TOP OF DIPPERSTICK -3-
2	751 154 R1	PRODUCT GRAPHICS, LIFT & CROWD CONTROL INSTRUCTIONS LABEL -NOTE- -ON RIGHT VALVE MOUNTING PLATE-
2	751 157 R1	PRODUCT GRAPHICS, SWING & STABILIZER CONTROL INSTRUCTIONS LABEL -NOTE- -ON LEFT VALVE MOUNTING PLATE-
2	751 142 R1	PRODUCT GRAPHICS, 3120 MODEL DESIGNATION DECAL -ON BOTH SIDES OF BOOM UNDER INTERNATIONAL DECAL- -NOTE- -2-
2	751 130 R1	PRODUCT GRAPHICS, INTERNATIONAL DECAL -ON BOTH SIDES OF BOOM -2-
1	000 693 R3	PRODUCT GRAPHICS, IH OF CANADA DECAL -ON BOTH SIDES OF BOOM JUST BELOW AND IN CENTER OF INTERNATIONAL DECAL -2-
		NOTE -NOT SERVICED SEPARATELY, ORDER PRODUCT GRAPHICS SET-

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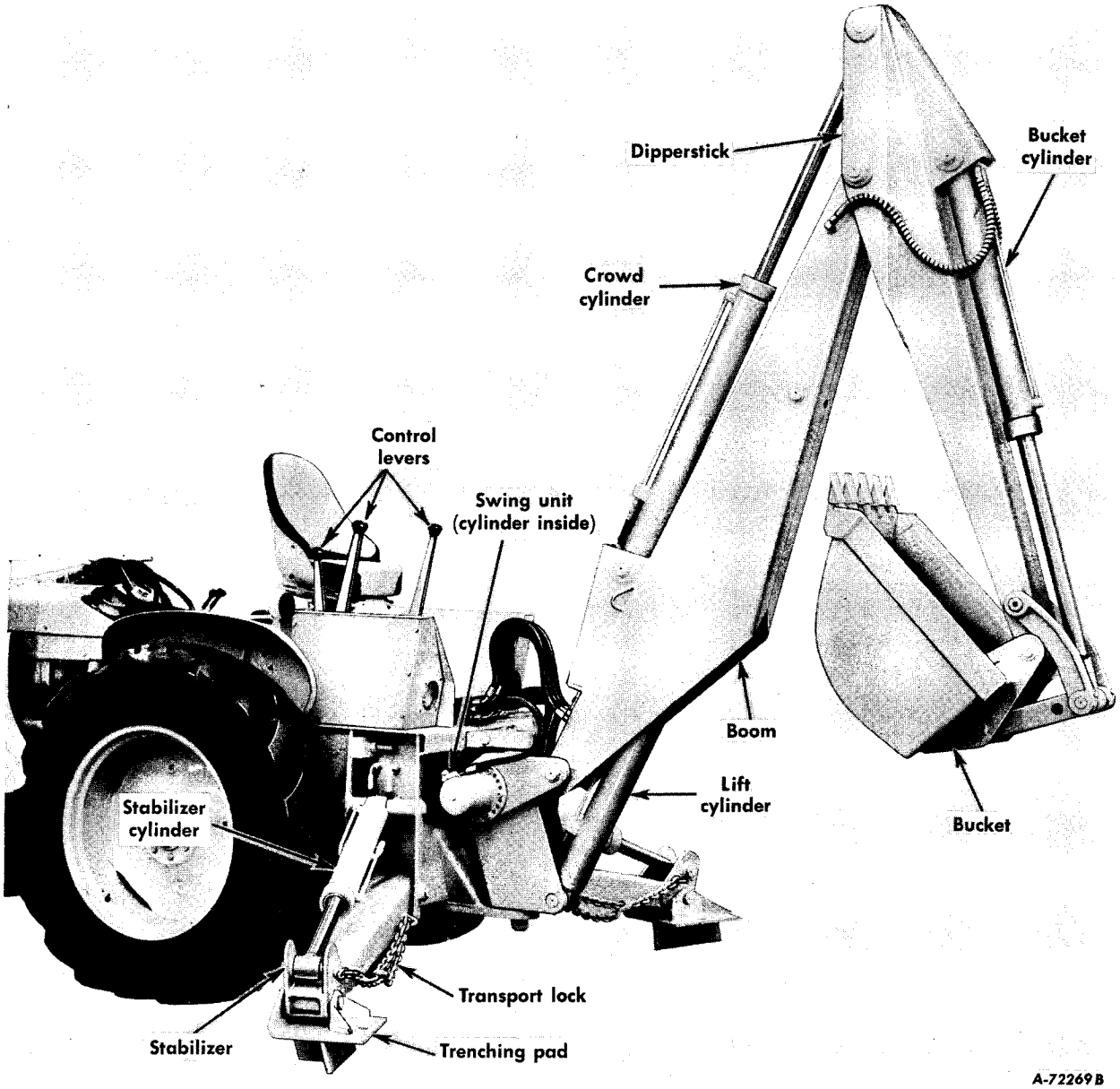

International 3130 Backhoe

INTERNATIONAL 3130 BACKHOE

Built 1963 to 1965

(See Index to Units following)

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INDEX TO UNITS

DESCRIPTION	Page
BOOM	7
BRACKETS	
Battery Mounting (For International 504 and 606 Diesel Tractor)	54
Fender	
For International 340, 460, 504, 606, 2504 and 2606 Tractors	16
For International 3414 Loader Tractor	16
Flashing Light	57
BUCKET	7
CONTROLS, Hydraulic	23
COUPLER, Quick Disconnect	56
CYLINDERS, Hydraulic	21
DIPPERSTICK	7
FILTER, Oil	38
FLANGE, Pump Mounting (For International 340, 460, 504, 606, 2504 and 2606 Tractors	32
FRAME, Main	5
HYDRAULIC CONNECTIONS	
Basic	25
For International 404 and 2404 Tractors equipped w/2000 Loader	37
For International 2424 Tractor equipped w/2000 Loader	30
For International 3414 Loader Tractor with Auxiliary Valve	41
For International 3414 Loader Tractor with Hydraulic Lift	43
For International 3414 Loader Tractor with Hydraulic Lift and Auxiliary Valve	39
HYDRAULIC CONNECTIONS -Continued-	
For International 3414 Loader Tractor w/o Hydraulic Lift and Auxiliary Valve	45
For International 3514 and 3616 Loader Tractors	28
For T-340-A or TD-340A Tractor w/DROTT Four-in-one Skid Shovel, 3040 Loader, 600 or 700 Blade	36
LIGHTING EQUIPMENT	55
PACKAGES, Completing (Field Application)	
Flip-Up Seat	15
Relief Valves	15
Subframe Bolts	15
Subframe Bar and Mounting Bracket	15
PADS	5
PLATE, Floor	13
PRODUCT GRAPHICS	57
PUMP AND POWER SUPPLY CONNECTIONS	
For International 340, 404, 460, 504, 606, 2404, 2504 and 2606 Tractors w/External Filter	34
For International 504, 606, 2504 and 2606 Tractors w/Built in Filter	34
For International 504, 606, 2504 and 2606 Tractors w/o Loader	35
For International 340, 460, 504, 606, 2504 and 2606 Tractors	32
PUMPS, Hydraulic Gear	
Cessna	
7 GPM	50
9 GPM	52
Diesel 9 GPM	51
Thompson	
7 GPM	49
9 GPM	52

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INDEX TO UNITS - Continued

DESCRIPTION	Page
SEATS	
Jr. Road King (Special)	14
Premier	13
STABILIZER	5
SUBFRAMES	
For International 340, 460, 504, 606, 2504 and 2606 Tractors	16
For International 2424 Tractor	10
For International 3414 Loader Tractors	16
For International 3514 and 3616 Loader Tractors	17
For International 404 and 2404 Tractors	14
For T-340A and TD-340A Tractors w/3040 Loader	12
For T-340A and TD-340A Tractors w/DROTT Four-in-one Skid Shovel	11
For International 504, 606, 2504 and 2606 Tractors w/o Loader	9
SUPPORTS	
Flip-Up Seat	15
Main Frame (For International 404 and 2404 Tractors)	14
Seat	
For T-340A and TD-340A Tractors w/3040 Loader	12
For T-340A and TD-340A Tractors w/DROTT Four-in-one Skid Shovel	11
For International 3514 and 3616 Loader Tractors	17
SWING MECHANISM	26
TRAY, Battery (For 3414 Loader Tractor)	56
TUBE, Hydraulic	19
VALVES	
Control	19
Diverter	
For International 340, 460, 504, 606, 2424, 2504 and 2606 Tractors	53
For International 3414, 3514 and 3616 Loader Tractors	53
Flow Control	50
Flow Divider	35
Pilot Relief	47
Regulator and Safety Flow Control	46
Three Position Control	48

DIAGRAMS, Hydraulic ..... Refer to Introduction Pages IV thru XII

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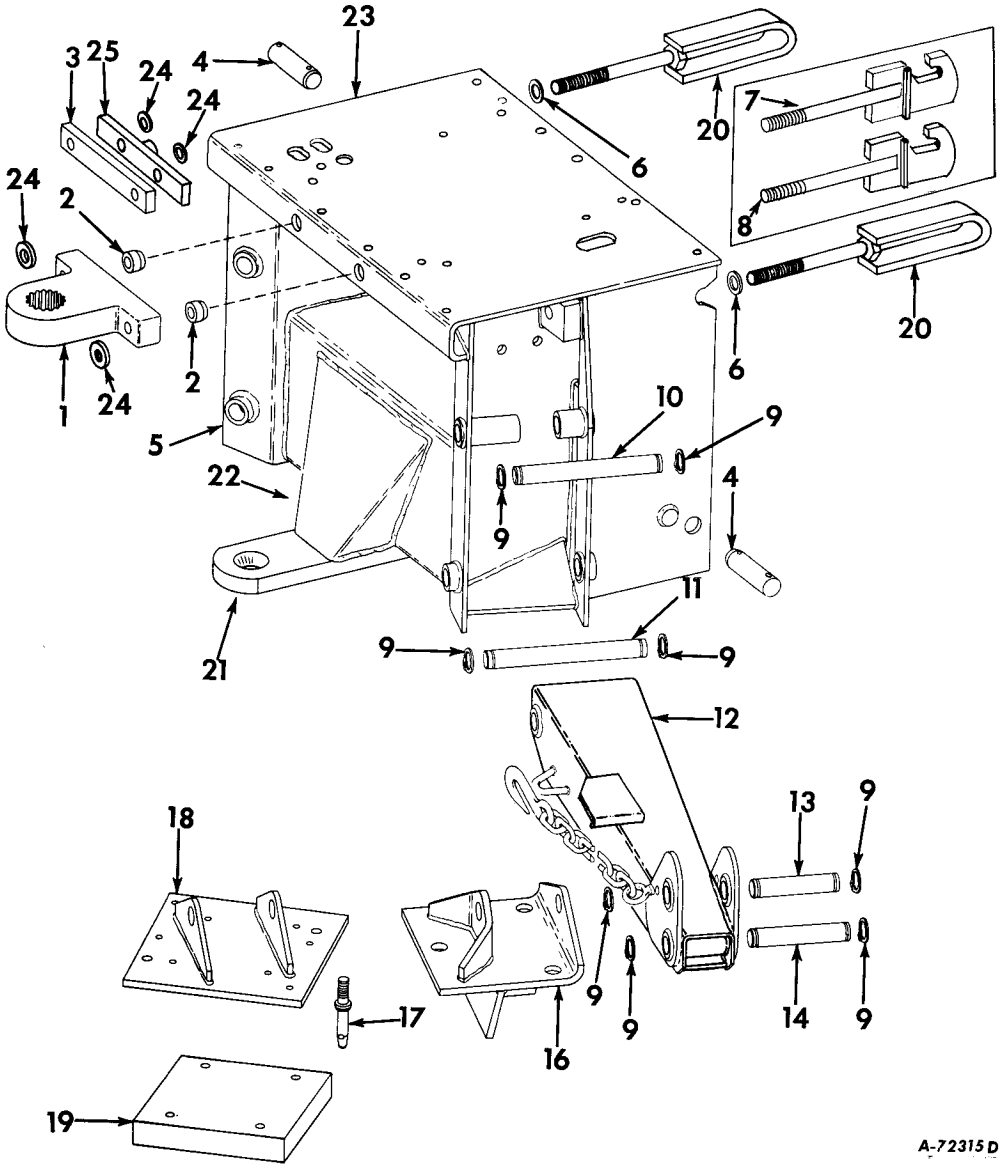
BKH-1

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

MAIN FRAME, STABILIZER AND PADS



REF. NO.	PART NUMBER	DESCRIPTION
1	468 389 R11	MOUNT W/PILOTS, TOP SWING
	19 925 R1	NUT, 7/8-9 TYPE 4 HEX. -2-
	289 757 R1	SCREW, 7/8-9 X 4-1/4 TYPE 4 HEX-HD CAP -2-
2	469 118 R1	PILOT, TOP SWING MOUNT -2-
3	468 388 R2	BAR, BACKUP TOP SWING MOUNT
4	468 639 R1	PIN, MAIN FRAME LOCKING -2-
	520 174 R1	PIN, QUICK ATTACHABLE COT. -4-
5	468 372 R93	FRAME ASSY, BACKHOE MAIN
6	470 459 R1	WASHER, 1-1/16 X 2 X 10 GA - SPECIAL- -2-
7		NOT USED
8		NOT USED
9	468 283 R1	RING, EXTERNAL RETAINING -16-
10	468 638 R1	PIN, STABILIZER CYCLE TO MAIN FRAME -2-

3130 BACKHOE -5- SECTION B

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

MAIN FRAME, STABILIZER AND PADS -CONTINUED

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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		MAIN FRAME, STABILIZER AND PADS --CONTINUED	
11	468 635 R1	PIN, STABILIZER TO MAIN FRAME -2-	
12	468 655 R12	STABILIZER W/CHAIN, BACKHOE LEFT	
12	468 656 R12	STABILIZER W/CHAIN, BACKHOE RIGHT	
13	468 637 R1	PIN, STABILIZER TO CYLINDER -2-	
14	468 636 R1	PIN, STABILIZER TO PAD ASSY -2-	
15		NOT USED	
16	468 392 R11	PAD ASSY, STABILIZER TRENCHING -2-	
17	525 921 R1	PIN, HITCH -FOR SOD PAD- -8-	
	426 767	NUT, 7/8-14 CD OR ZN-PLTD HEX. -8-	
		WASHER, 7/8 CD OR ZN-PLTD MED LOCK -8-	
18	469 103 R91	PAD ASSY, LEFT STABILIZER SOD -SPECIAL-	
18	469 104 R91	PAD ASSY, RIGHT STABILIZER SOD -SPECIAL-	
19	469 108 R2	PAD, STABILIZER STREET -SPECIAL- -2-	
		BOLT, 3/4-10 X 2-1/2 CD OR ZN-PLTD CRG -8-	
		NUT, 3/4-10 CD OR ZN-PLTD HEX. -8-	
		WASHER, 3/4 CD OR ZN-PLTD MED LOCK -8-	
20	473 651 R91	BOLT ASSY, MAIN FRAME MOUNTING EYE -2-	
		NUT, 1-8 CD OR ZN-PLTD HEX. -2-	
	426 899	NUT, 1-8 CD OR ZN-PLTD HEX. JAM -2-	
21	468 380 R1	PLATE, MAIN FRAME SWING MOUNT	
22	468 378 R1	GUSSET, MAIN FRAME SWING MOUNT	
23	468 373 R2	PLATE, MAIN FRAME TOP	
24	384 697 R1	WASHER, .906 X 1.75 X .164 -4-	
25	484 483 R1	BAR, BACKUP OUTER TOP SWING MOUNT -FOR USE ON INTERNATIONAL 3514 AND 3616 TRACTORS-	
	19 925 R1	NUT, 7/8-9 HEX. -2-	
	21 021 R1	SCREW, 7/8-9 X 5-1/2 HEX-HD CAP -2-	

3130 BACKHOE -6- SECTION B

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

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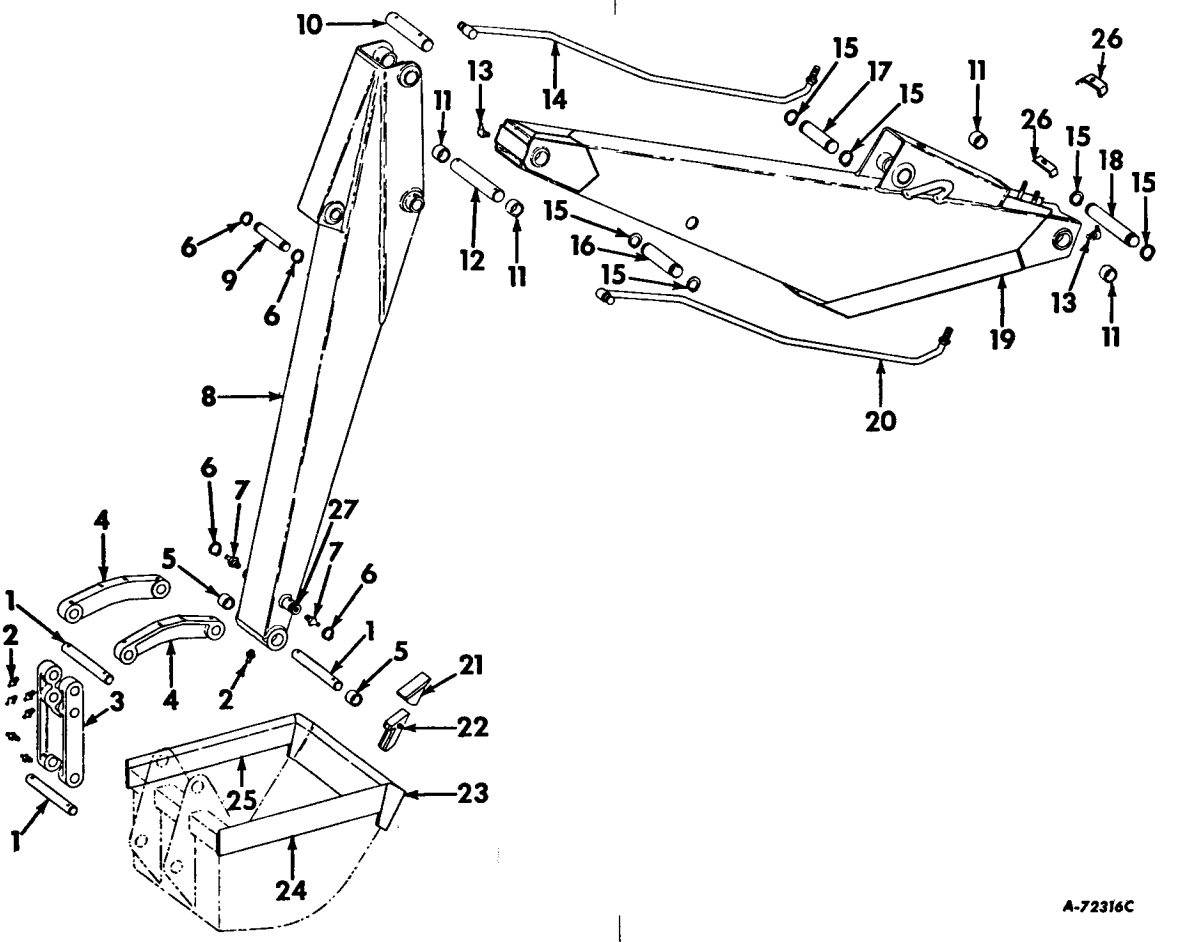
BOOM, BUCKET AND DIPPERSTICK



A-72316C

REF. NO.	PART NUMBER	DESCRIPTION
1	468 284 R1	PIN, BUCKET LINK -3-
		PIN, 3/16 X 1-1/4 CD OR ZN-PLTD COT. -4-
	468 317 R1	PIN, 1/2 X 2-7/16 DLD-HD -4-
2	109 461	FITTING, 1/8-27 PTF STR LUB -7-
3	468 289 R1	LINK, REAR BUCKET
4	468 285 R2	LINK, FORWARD BUCKET LH
4	493 398 R1	LINK, FORWARD BUCKET RH
	187 988	PIN, 3/16 X 1-1/4 CD OR ZN-PLTD COT. -2-
	472 712 R1	PIN, 1/2 X 3-9/16 STD-HD -2-
5	468 280 R1	BUSHING, LINK PIVOT -2-
6	468 283 R1	RING, BUCKET LINK PIVOT SHAFT EXT SNAP -4-
7	273 355	FITTING, 1/4 STR DRIVE LUB -2-
8	472 783 R91	DIPPERSITCK W/BUSHINGS, BACKHOE
9	468 282 R1	PIN, BUCKET CYLINDER TO DIPPERSTICK

BOOM, BUCKET AND DIPPERSTICK -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
10	468 288 R1	PIN, DIPPERSTICK TO CROWD CYLINDER
		PIN, 3/16 X 1-1/4 CD OR ZN-PLTD COT. -2-
	472 714 R1	PIN, 1/2 X 3-3/8 STD-HD -2-
11	468 366 R1	BUSHING, BOOM PIVOT CARRIER -4-
12	468 287 R1	PIN, BOOM PIVOT
		PIN, 3/16 X 1-1/4 CD OR ZN-PLTD COT. -2-
	472 712 R1	PIN, 1/2 X 3-9/16 STD-HD -2-
	625 688 R1	WASHER, 2-1/32 X 3 X 16 GA -AS REQUIRED-
13	109 462	FITTING, 1/8-90 DEG ELBOW LUB -2- -BOOM PIVOT CARRIER-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		BOOM, BUCKET AND DIPPERSTICK -CONTINUED	
14	470 474 R11	TUBE ASSY, BACKHOE BOOM LEFT	
	9 403 295	NUT, 7/8-14 CD OR ZN-PLTD BULKHEAD UNION LOCK -2-	
	9 403 298	NUT, 1-5/16-12 CD OR ZN-PLTD BULKHEAD UNION LOCK -2-	
	138 566	WASHER, 7/8 CD OR ZN-PLTD INTERNAL TOOTH LOCK -2-	
	471 961 R1	WASHER, 1-5/16 CD OR ZN-PLTD INTERNAL TOOTH LOCK -2-	
15	468 371 R1	RING, EXTERNAL RETAINING -6-	
16	468 367 R1	PIN, BOOM CYLINDER UPPER	
17	468 369 R1	PIN, SHROUD	
18	468 368 R1	PIN, BOOM TO SWING MECHANISM	
	625 688 R1	WASHER, 2-1/32 X 3 X 16 GA	
19	468 353 R92	BOOM W/BUSHINGS, BACKHOE	
		NUT, 5/16-18 CD OR ZN-PLTD HEX. -2-	
20	470 475 R11	TUBE ASSY, BACKHOE BOOM RIGHT	
	9 403 295	NUT, 7/8-14 CD OR ZN-PLTD BULKHEAD UNION LOCK -2-	
	9 403 298	NUT, 1-5/16-12 CD OR ZN-PLTD BULKHEAD UNION LOCK -2-	
	138 566	WASHER, 7/8 CD OR ZN-PLTD INT-TOOTH LOCK -2-	
	471 961 R1	WASHER, 1-5/16 CD OR ZN-PLTD INT-TOOTH LOCK -2-	
21	468 733 R1	TOOTH, POINT -3 USED FOR 12 IN., 4 USED FOR 16, 18 AND 20 IN., 5 USED FOR 22, 24 AND 26 IN., 6 USED FOR 28, 30 AND 32 IN. AND 7 USED FOR 34 AND 36 IN. BUCKET-	
21	485 353 R1	POING, TOOTH -HEAVY DUTY- -4 USED FOR 15 AND 20 IN., 5 USED FOR 22 AND 26 IN., 6 USED FOR 28, 30 AND 32 IN., 7 USED FOR 34 IN.-	
21	470 242 R1	TOOTH, POINT -SPECIAL FOR MOLES PAW TYPE BUCKET- -4 USED FOR 18 IN., 6 USED FOR 24 IN.-	
22	468 314 R1	SHANK, TOOTH -3 USED FOR 12 IN., 4 USED FOR 16, 18 AND 20 IN., 5 USED FOR 22, 24 AND 26 IN., 6 USED FOR 28, 30 AND 32 IN. AND 7 USED FOR 34 AND 36 IN. BUCKET-	
22	471 547 R1	SHANK, POINT -SPECIAL FOR MOLES PAW TYPE BUCKET- -4 USED FOR 18 IN., 6 USED FOR 24 IN.-	
23	468 764 R1	EDGE, FRONT CUTTING -FOR 12 IN. BUCKET-	
23	483 615 R1	EDGE, FRONT CUTTING -FOR 16 IN. BUCKET-	
23	468 758 R1	EDGE, FRONT CUTTING -FOR 18 IN. BUCKET-	
23	483 621 R1	EDGE, FRONT CUTTING -FOR 20 IN. BUCKET-	
23	483 627 R1	EDGE, FRONT CUTTING -FOR 22 IN. BUCKET-	
23	468 310 R1	EDGE, FRONT CUTTING -FOR 24 IN. BUCKET-	
23	483 633 R1	EDGE, FRONT CUTTING -FOR 26 IN. BUCKET-	
23	483 639 R1	EDGE, FRONT CUTTING -FOR 28 IN. BUCKET-	
23	472 975 R1	EDGE, FRONT CUTTING -FOR 30 IN. BUCKET-	
23	483 651 R1	EDGE, FRONT CUTTING -FOR 32 IN. BUCKET-	
23	483 657 R1	EDGE, FRONT CUTTING -FOR 34 IN. BUCKET-	
23	468 770 R1	EDGE, FRONT CUTTING -FOR 36 IN. BUCKET-	
23	480 590 R1	EDGE, FRONT CUTTING -FOR 36 IN. TRENCHING BUCKET-	
24	468 313 R1	BAR, RIGHT SIDE CUTTING -FOR 16, 18, 20 22, 24, 26, 28, 32 AND 34 IN. BUCKET-	
25	468 312 R1	BAR, LEFT SIDE CUTTING -FOR 16, 18, 20, 22, 24, 26, 28, 32 AND 34 IN. BUCKET-	
26	379 045 R1	CLAMP, HYD TUBE -2-	
27	468 281 R1	SHAFT, BUCKET LINK PIVOT	

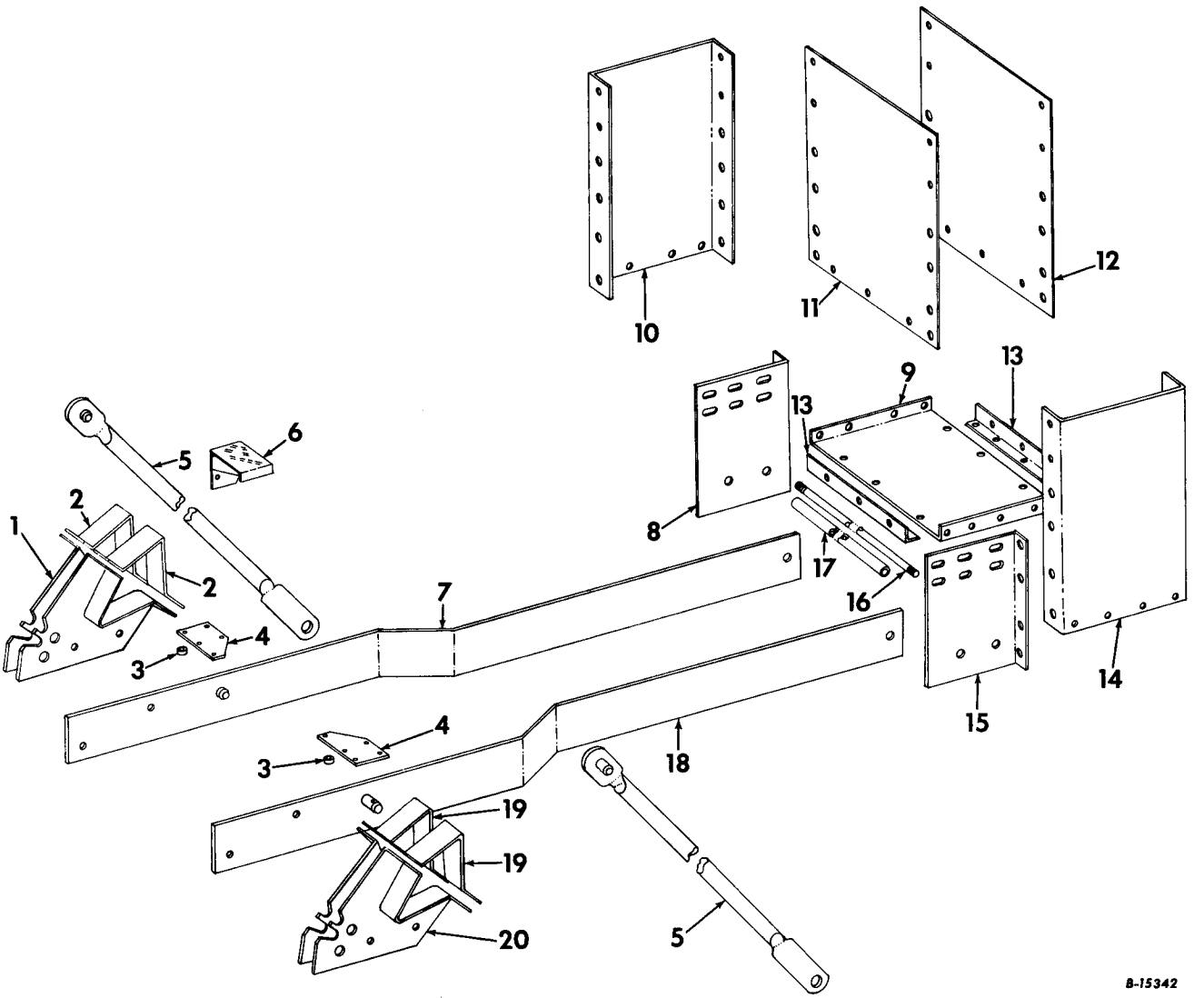
3130 BACKHOE -8- SECTION B

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		INDEPENDENT SUBFRAME W/WEIGHT BOX -FOR USE ON I-504, I-606, I-2504 & I-2606 TRACTOR-	

-9- SECTION B
3130 BACKHOE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		INDEPENDENT SUBFRAME W/WEIGHT BOX -FOR USE -CONTINUED ON I-504, I-606, I-2504 & I-2606 TRACTOR-	



1	479 028 R91	BRACKET ASSY, MOUNTING LH	
2	479 043 R1	BRACKET, AXLE MOUNTING LH -2-	
	220 088	NUT, 1-8 C-Z HEX. -4-	
	271 857	SCREW, 1-8 X 2-1/2 C-Z HEX-HD CAP -4-	
3	237 614 R1	SPACER, FENDER BRACKET -2-	
4	469 549 R1	BRACKET, FENDER -2-	
	180 174	SCREW, 1/2 X 1-1/8 C-Z HEX-HD CAP -4-	
5	469 181 R11	SUPPORT ASSY, MAIN FRAME -2-	

6	470 455 R11	STEP ASSY, TRACTOR TO BACKHOE	
	120 377	NUT, 3/8 C-Z HEX. -4-	
	180 120	SCREW, 3/8 X 3/4 C-Z HEX-HD CAP -4-	
	120 382	WASHER, 3/8 C-Z LOCK -4-	
	446 470	WASHER, 3/8 X 1-1/8 X 16 GA C-Z -4-	
7	479 026 R11	BAR ASSY, SUB FRAME LH	
	220 088	NUT, 1-8 C-Z HEX. -2-	
	137 303	PIN, 1/4 X 2-1/4 C-Z COT.	
	271 860	SCREW, 1-8 X 3-1/4 C-Z HEX-HD CAP -2-	
	551 183 R1	WASHER, 17/32 X 2-1/2 X 16 GA	
8	479 034 R1	PLATE, FRONT MOUNTING LH	
9	479 039 R1	CHANNEL, WEIGHT BOX BOTTOM	
10	479 037 R1	CHANNEL, WEIGHT BOX SIDE LH	

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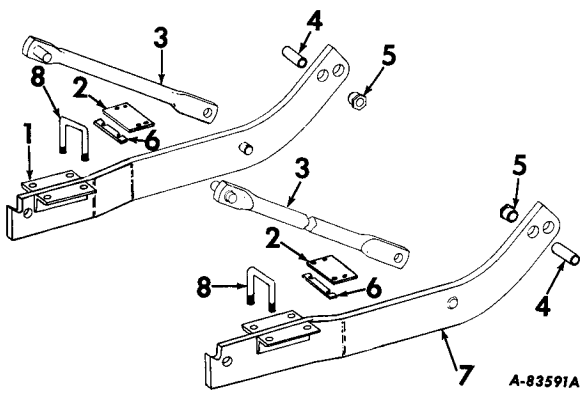
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		INDEPENDENT SUBFRAME W/WEIGHT BOX -FOR USE -CONTINUED ON I-504, I-606, I-2504 & I-2606 TRACTOR-	
11	479 033 R1	PLATE, WEIGHT BOX	
12	479 036 R1	PLATE, WEIGHT BOX FRONT	
13	479 040 R1	ANGLE, WEIGHT BOX -2-	
	17 448 R1	BOLT, 1/2 X 1-1/4 HEX-HD MACH -28-	
	17 473 R1	BOLT, 1/2 X 1-1/2 HEX-HD MACH -8-	
	102 637	NUT, 1/2 HEX. -36-	
	271 771	SCREW, 3/4-10 X 2 C-Z HEX-HD CAP -6-	
	271 772	SCREW, 3/4-10 X 2-1/4 C-Z HEX-HD CAP -2-	
	103 323	WASHER, 1/2 MED LOCK -36-	
	220 086	WASHER, 3/4 C-Z MED LOCK -8-	
	16 038 R1	WASHER, 17/32 X 1 X 11 GA -12-	
14	479 038 R1	CHANNEL, WEIGHT BOX SIDE RH	
15	479 035 R1	PLATE, FRONT MOUNTING RH	
	271 723	SCREW, 5/8-11 X 2 C-Z HEX-HD CAP -8-	
	121 574	WASHER, 5/8 C-Z MED LOCK -8-	
	131 016	WASHER, 21/32 X 1-5/16 X .095 C-Z -8-	
16	479 042 R1	SHAFT	
	220 095	NUT, 1-1/4-7 C-Z HEX. -2-	
17	479 041 R1	PIPE, FRONT MOUNTING SPACER	
18	479 027 R11	BAR ASSY, SUBFRAME RH	
	220 088	NUT, 1-8 C-Z HEX. -2-	
	137 303	PIN, 1/4 X 2-1/4 C-Z COT.	
	271 860	SCREW, 1-8 X 3-1/4 C-Z HEX-HD CAP -2-	
	551 183 R1	WASHER, 17/32 X 2-1/2 X 16 GA	
19	479 044 R1	BRACKET, AXLE MOUNTING RH -2-	
	220 088	NUT, 1-8 C-Z HEX. -4-	
	271 857	SCREW, 1-8 X 2-1/2 C-Z HEX-HD CAP -4-	
20	479 029 R91	BRACKET ASSY, MOUNTING RH	

3130 BACKHOE -10- SECTION B

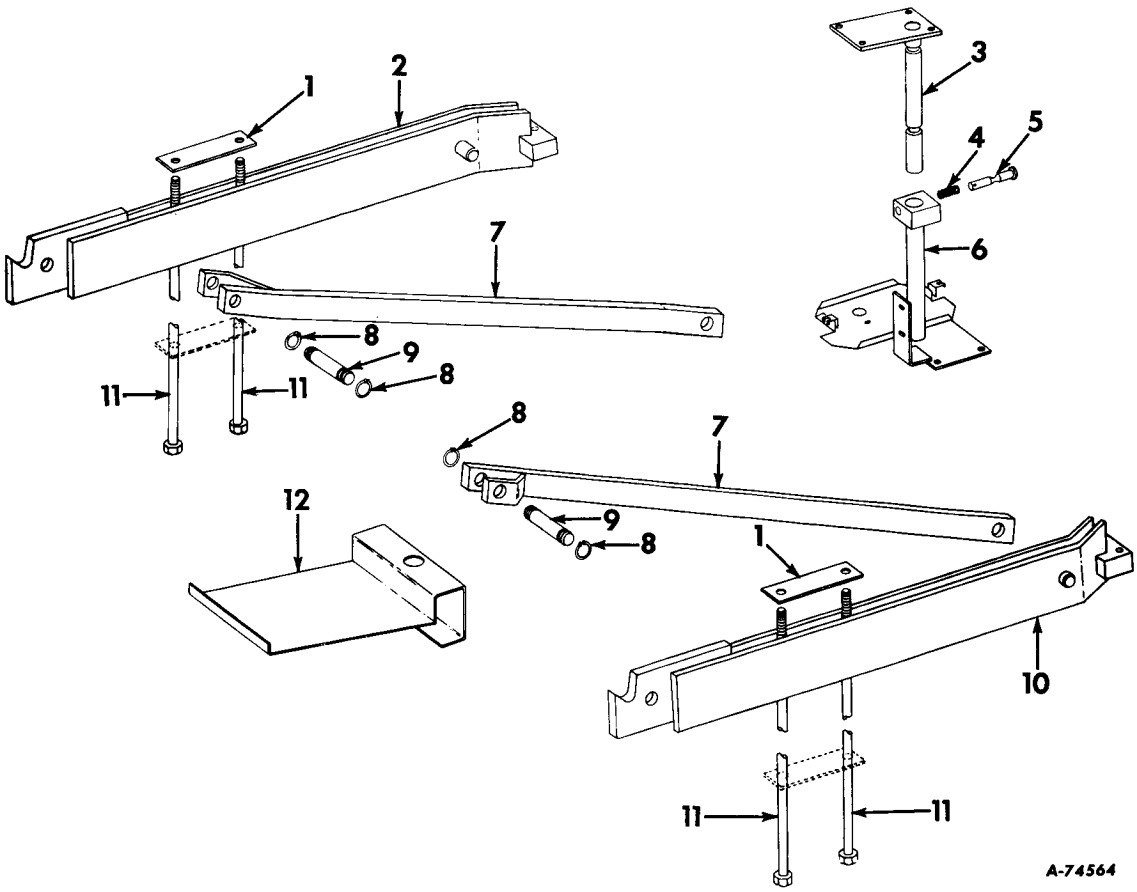
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		SUBFRAME AND FENDER BRACKETS -INTERNATIONAL 2424 TRACTOR-	



1	480 574 R91	FRAME, LH -ORDER 481 616 R91 AND 481 621 R1-	
1	481 616 R91	FRAME, LH	
	271 609	BOLT, 3/4 X 1-3/4 HEX-HD MACH -2-	
	138 561	WASHER, 3/4 INT-TOOTH LOCK -2-	
	551 183 R1	WASHER, 1-17/32 X 2-1/2 X 16 GA -AS REQUIRED-	
	137 303	PIN, 1/4 X 2-1/4 C-Z COT.	
2	480 580 R1	BLOCK, FENDER SPACER -2-	
3	480 581 R92	BAR ASSY, TIE -2-	
4	474 612 R1	SPACER, -2-	
	474 613 R1	BOLT, 1-1/2-6 X 8-1/4 HEX-HD -2-	
	131 052	WASHER, 1-1/2 C-Z MED LOCK -2-	
	220 096	NUT, 1-1/2-6 HEX. -2-	
5	469 189 R1	CAM, SUBFRAME MOUNTING -2-	
6	480 966 R1	BAR, FENDER SPACER -2-	
7	480 575 R91	FRAME ASSY, RH -ORDER 481 617 R91 AND 481 621 R1	
7	481 617 R91	FRAME ASSY, RH	
	271 609	BOLT, 3/4 X 1-3/4 HEX-HD MACH -2-	
	138 561	WASHER, 3/4 INT-TOOTH LOCK -2-	
	551 183 R1	WASHER, 1-17/32 X 2-1/2 X 16 GA -AS REQUIRED-	
	137 303	PIN, 1/4 X 2-1/4 C-Z COT.	
8	481 621 R1	U-BOLT, SUBFRAME -2-	
	102 639	NUT, 5/8-11 HEX. -4-	
	103 325	WASHER, 5/8 MED LOCK -4-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME & SEAT SUPPORT -T-340A & TD-340A TRACTORS W/DROTT FOUR-IN-ONE SKID SHOVEL-



1	472 736 R1	SPACER, SUBFRAME MOUNTING -2-
2	472 724 R91	SUBFRAME ASSY, LH PIN, 1/4 X 2-1/4 COT. SCREW, 5/8-11 X 4-1/2 HEX-HD CAP -2-
	551 183 R1	WASHER, 1-7/32 X 2-1/2 X 16 GA -AS REQUIRED-
3	472 745 R92	SEAT ATTACHING ASSY
4	24 541 D	SPRING
5	472 744 R2	PIN, LOCKING PIN, 1/4 X 1-1/4 CD OR ZN-PLTD COT.
6	472 737 R91	SUPPORT ASSY, SEAT SCREW, 5/16-18 X 7/8 CD OR ZN-PLTD HEX-HD CAP -4- WASHER, 5/16 CD OR ZN-PLTD MED LOCK -4-
	P 13 334	SPACER, SEAT SUPPORT -4- SCREW, 7/16-14 X 5 HEX-HD CAP -4-
7	472 731 R91	TIE BAR ASSY -2-
8	468 283 R1	RING, SNAP -4-
9	472 733 R1	PIN, TIE BAR -2-

3130 BACKHOE -11- SECTION B

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME & SEAT SUPPORT -T-340A & TD-340A TRACTORS W/DROTT FOUR-IN-ONE SKID SHOVEL- -CONTINUED

10	472 725 R91	SUBFRAME ASSY, RH PIN, 1/4 X 2-1/4 COT. SCREW, 5/8-11 X 4-1/2 HEX-HD CAP -2-
	551 183 R1	WASHER, 1-7/32 X 2-1/2 X 16 GA -AS REQUIRED-
11	20 185 R1	SCREW, 3/4-10 X 17-1/4 CD OR ZN-PLTD HEX-HD CAP -4-
12	468 963 R11	PLATE ASSY, FLOOR NUT, 3/8-16 CD OR ZN-PLTD HEX. -2- SCREW, 3/8-16 X 7/8 CD OR ZN-PLTD HEX-HD CAP -2- SCREW, 1/2-13 X 1-1/4 CD OR ZN-PLTD HEX-HD CAP -2- WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2- WASHER, 1/2 CD OR ZN-PLTD MED LOCK -2-

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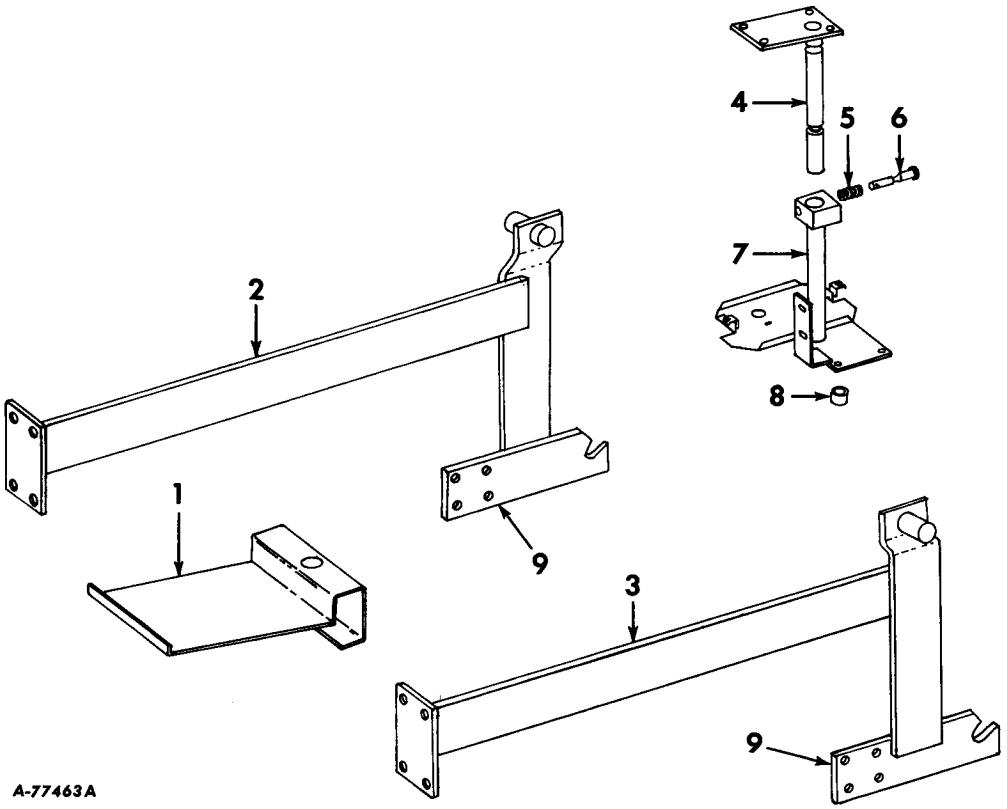
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME & SEAT SUPPORT- T-340A & TD-340A TRACTORS W/3040 LOADER

3130 BACKHOE -12- SECTION B

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME & SEAT SUPPORT- T-340A & TD-340A -CONTINUED TRACTORS W/3040 LOADER



1	468 963 R11	PLATE ASSY, FLOOR NUT, 3/8-16 CD OR ZN-PLTD HEX. -2- SCREW, 3/8-16 X 7/8 CD OR ZN-PLTD HEX-HD CAP -2- SCREW, 1/2-13 X 1-1/4 CD OR ZN-PLTD HEX-HD CAP -2- WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2- WASHER, 1/2 CD OR ZN-PLTD MED LOCK -2-
2	475 427 R91	FRAME ASSY, LH NUT, 3/4-10 CD OR ZN-PLTD HEX. -4- SCREW, 3/4-10 X 1-3/4 CD OR ZN-PLTD HEX-HD CAP -4-
3	475 428 R91	FRAME ASSY, RH NUT, 3/4-10 CD OR ZN-PLTD HEX. -4- SCREW, 3/4-10 X 1-3/4 CD OR ZN-PLTD HEX-HD CAP -4-
4	472 745 R92	SEAT ATTACHING ASSY
5	24 541 D	SPRING
6	472 744 R2	PIN, LOCKING PIN, 1/4 X 1-1/4 CD OR ZN-PLTD COT.
7	472 737 R91	SUPPORT ASSY, SEAT SCREW, 5/16 X 7/8 CD OR ZN-PLTD HEX-HD CAP -4- WASHER, 5/16 CD OR ZN-PLTD MED LOCK -4-
8 P	13 334	SPACER, SEAT SUPPORT -4- SCREW, 7/16-14 X 5 HEX-HD CAP -4-
9	475 431 R1 271 777 220 086	BAR, MOUNT -2- SCREW, 3/4-10 X 3-1/2 C-Z HEX-HD CAP -4- NUT, 3/4-10 C-Z HEX. -4-

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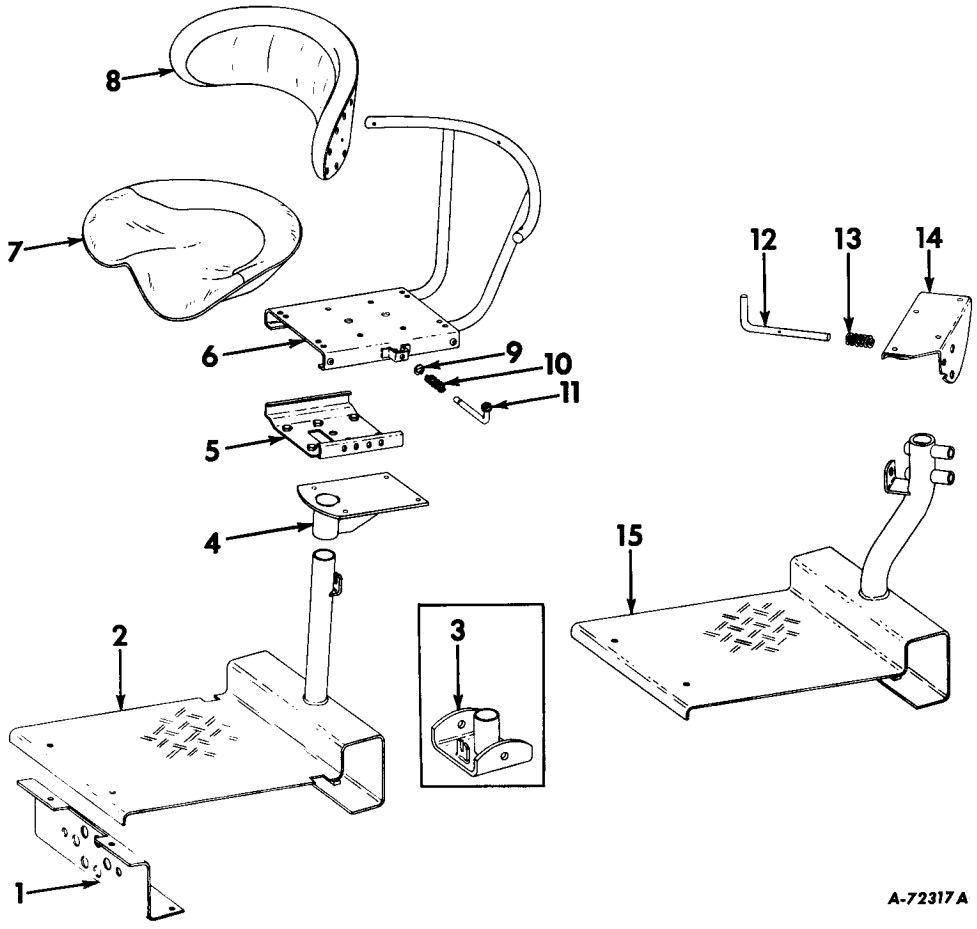
FLOOR PLATE AND SEAT



A-72317A

REF. NO.	PART NUMBER	DESCRIPTION
1	468 734 R1	SUPPORT, FLOOR PLATE
		NUT, 3/8-16 CD OR ZN-PLTD HEX. -4-
		SCREW, 3/8-16 X 1 CD OR ZN-PLTD HEX-HD CAP -4-
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK -4-
2	469 261 R91	PLATE ASSY, BACKHOE FLOOR
		-1962 TO 1964-
		-NOTE A-
		-FURNISH 476 903 R91, 477 567 R1, 476 905 R1, 15 068 EB & 625 326 R1
	105 608	NUT, 1/2 REGULAR SQ -2-
		SCREW, 1/2 X 1-1/4 CD OR ZN-PLTD HEX-HD CAP -2-
		WASHER, 1/2 CD OR ZN-PLTD MED LOCK -2-
3	469 267 R11	STAND ASSY, SEAT
		-NOTE A- -1962-
		BOLT, 1/2-13 X 1-3/4 CD OR ZN-PLTD MACH -2-
		NUT, 1/2-13 CD OR ZN-PLTD HEX. -2-
		WASHER, 1/2 CD OR ZN-PLTD MED LOCK -2-

FLOOR PLATE AND SEAT -CONTINUED

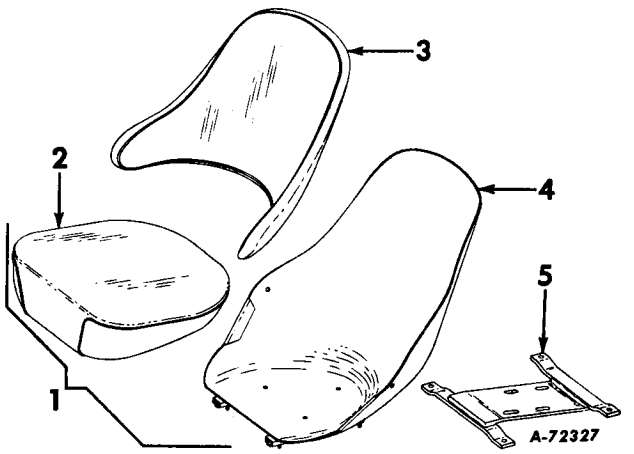
REF. NO.	PART NUMBER	DESCRIPTION
4	469 264 R11	BRACKET ASSY, SEAT SUPPORT
		-1962 TO 1964-
		-NOTE A-
		-FURNISH CONVERSION PACKAGE 476 922 R91-
		SCREW, 5/16-18 X 3/4 CD OR ZN-PLTD HEX-HD CAP -4-
		WASHER, 5/16 CD OR ZN-PLTD MED LOCK -4-
5	469 123 R11	SLIDE ASSY, LOWER
6	469 120 R91	FRAME ASSY, HI-BACK PREMIER
9	413 946	NUT, 1/4 CD OR ZN-PLTD HEX. STOVER LOCK
	155 338	SCREW, 1/4 X 1/2 CD OR ZN-PLTD RD-HD MACH
	155 358	SCREW, 1/4 X 1 CD OR ZN-PLTD RD-HD MACH -3-
7	469 122 R91	CUSHION ASSY, PREMIER SEAT
		NUT, 5/16-24 CD OR ZN-PLTD HEX. -4-
		WASHER, 5/16 CD OR ZN-PLTD MED LOCK -4-
8	469 121 R91	BACKREST ASSY, PREMIER
9	104 977 R1	RING, SLIDE HANDLE RETAINING
10	469 125 R1	SPRING, SLIDE ADJUSTING PLUNGER

REF. NO.	PART NUMBER	DESCRIPTION	8KH-1
		FLOOR PLATE AND SEAT -CONTINUED	
11	469 124 R11	PLUNGER W/KNOB ASSY, SLIDE ADJUSTING	
		WASHER, 11/32 X 11/16 X 16 GA	
12	468 969 R1	HANDLE, SEAT PIVOT -NOTE B-	
	178 373 R1	PIN, 1/8 X 1 CD OR ZN-PLTD COT.	
		WASHER, 17/32 X 1 X 16 GA CD OR ZN-PLTD	
13	76 DS	SPRING, PIVOT HANDLE -NOTE B-	
14	468 968 R1	SADDLE, SEAT -NOTE B-	
		SCREW, 5/16-18 X 7/8 CD OR ZN-PLTD HEX-HD CAP -4-	
		WASHER, 5/16 CD OR ZN-PLTD MED LOCK -4-	
15	468 962 R91	SUPPORT ASSY, SEAT -NOTE B-	
		NUT, 3/8-16 CD OR ZN-PLTD HEX. -2-	
	105 608	NUT, 1/2 REGULAR SQ -2-	
		PIN, 3/16 X 1-1/4 CD OR ZN-PLTD COT.	
P	13 432	PIN, 5/8 X 4-5/8 STD-HD DLD	
		SCREW, 3/8-16 X 3/4 CD OR ZN-PLTD HEX-HD CAP -2-	
		SCREW, 1/2-13 X 1-1/4 CD OR ZN-PLTD HEX-HD CAP -2-	
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2-	
		WASHER, 1/2 CD OR ZN-PLTD MED LOCK -2-	
	131 016	WASHER, 21/32 X 1-5/16 X 13 GA CD OR ZN-PLTD	

NOTE A- FOR 3414 LOADER TRACTORS AND INTERNATIONAL 2424 TRACTOR-

NOTE B- FOR INTERNATIONAL 340, 404, 460 504, 606 AND INDUSTRIAL 2404, 2504 AND 2606 TRACTORS

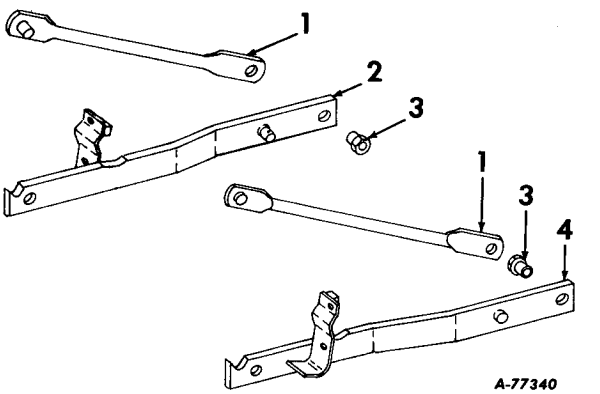
SEAT -JR. ROAD KING- -SPECIAL-



1	470 440 R91	SEAT ASSY, DELUXE
2	470 442 R91	CUSHION ASSY
3	470 443 R91	BACKREST ASSY, SEAT
		NUT, 1/4-20 CD OR ZN-PLTD HEX. -5-
		WASHER, 1/4 CD OR ZN-PLTD INT-TOOTH LOCK -5-

REF. NO.	PART NUMBER	DESCRIPTION	8KH-1
		SEAT -JR. ROAD KING- -SPECIAL- -CONTINUED	
4	470 441 R91	SHELL ASSY, SEAT	
		NUT, 5/16-24 CD OR ZN-PLTD HEX. -4-	
		SCREW, 1/4-20 X 5/8 CD OR ZN-PLTD HEX-HD CAP -2-	
		WASHER, 5/16 CD OR ZN-PLTD MED LOCK -4-	
		WASHER, 1/4 CD OR ZN-PLTD INT-TOOTH LOCK -2-	
5	471 145 R11	BRACKET ASSY, DELUXE SEAT	
		NUT, 5/16-18 CD OR ZN-PLTD HEX. -4-	
		WASHER, 11/32 X 11/16 X .065 -4-	

SUBFRAME AND SUPPORT
-INTERNATIONAL 404 & 2404 TRACTORS-

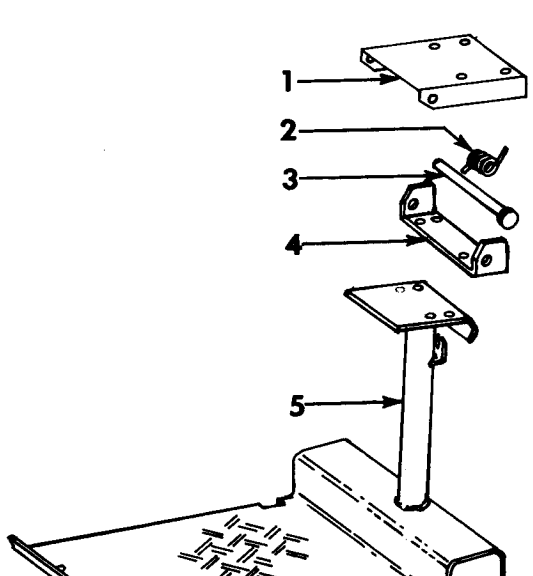


1	469 181 R11	SUPPORT ASSY, MAIN FRAME -2-
2	474 606 R91	SUBFRAME ASSY, LH
		PIN, 1/4 X 2-1/4 CD OR ZN-PLTD COT.
	551 183 R1	WASHER, 1-17/32 X 2-1/2 X 16 GA -AS REQUIRED-
	19 873 R1	SCREW, 3/4-10 X 5-1/2 C-Z HEX-HD CAP -2-
3	469 189 R1	CAM, SUBFRAME MOUNTING -2-
4	474 607 R91	SUBFRAME ASSY, RH
		PIN, 1/4 X 2-1/4 CD OR ZN-PLTD COT.
	551 183 R1	WASHER, 1-17/32 X 2-1/2 X 16 GA -AS REQUIRED-
	19 873 R1	SCREW, 3/4-10 X 5-1/2 C-Z HEX-HD CAP -2-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		COMPLETING PACKAGE -FIELD APPLICATION- -SUBFRAME BOLTS & RELIEF VALVES- -NOTE-	
	474 612 R1	SPACER, LOADER SUBFRAME -2-	
		NUT, 1-1/2-6 CD OR ZN-PLTD HEX. -2-	
	474 613 R1	SCREW, 1-1/2-6 X 8-1/4 CAP -2-	
		WASHER, 1-1/2 CD OR ZN-PLTD MED LOCK -2-	
	383 796 R91	VALVE ASSY, RELIEF - 1600 PSI	
	388 208 R91	VALVE ASSY, RELIEF - 2000 PSI	
		NOTE -FOR INTERNATIONAL 340, 404, 460, 504, 606, 2404, 2504 & 2606 TRACTORS WITH 2000 LOADER-	
		SEAT CONVERSION PACKAGE -FLIP-UP FEATURE FOR USE ON I-2424 & 3414 LOADER TRACTOR-	
	476 922 R91	SEAT, FIELD CONVERSION PACKAGE	
	476 905 R2	SUPPORT, SEAT	
	15 068 EB	SPRING, SEAT	
	103 384	PIN, 1/8 X 3/4 COT.	
	625 326 R1	PIN, 3/8 X 6 STD-HD	
	120 394	WASHER, 13/32 X 13/16 X .051	
	477 567 R1	BRACKET, SEAT	
	102 634	NUT, 5/16-18 HEX. -4-	
	179 818	SCREW, 5/16-18 X 1 HEX-HD CAP -4-	
	103 320	WASHER, 5/16 MED LOCK -4-	
		COMPLETING PACKAGE -FIELD APPLICATION- -SUBFRAME BAR & MOUNTING BRACKETS -NOTE-	
	479 102 R1	BAR, SUBFRAME -2-	
	479 104 R1	BAR, SPACER -2-	
	479 103 R1	BOLT, U -2-	
	220 088	NUT, 1-8 C-Z HEX. -4-	
	131 048	WASHER, 1 C-Z MED LOCK -4-	
	479 100 R1	BRACKET, WEIGHT MOUNTING LH	
	479 101 R1	BRACKET, WEIGHT MOUNTING RH	
	271 768	SCREW, 3/4-10 X 1-5/8 C-Z HEX-HD CAP -4-	
	220 086	NUT, 3/4-10 C-Z HEX. -4-	
	271 720	SCREW, 5/8-11 X 1-5/8 C-Z HEX-HD CAP -6-	
	140 807	NIPPLE, 1/2 X 3 PIPE	
	479 098 R91	PLATE ASSY, FRONT WEIGHT MOUNTING	
	479 105 R1	ROD, FRONT WEIGHT BACKING	
	42 691	NUT, 7/8-9 C-Z SQ	
	220 087	NUT, 7/8-9 C-Z HEX.	
	140 537	NIPPLE, 1/2 X 2 PIPE	
		NOTE - FOR T-340A OR TD-340A TRACTOR EQUIPPED W/600 OR 700 BLADE-	

3130 BACKHOE -15- SECTION B

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		SEAT SUPPORT -FLIP-UP FEATURE- -FOR I-2424 & 3414 LOADER TRACTOR- -1965 AND SINCE-	



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1	476 905 R2	SUPPORT, SEAT	
2	15 068 EB	SPRING, SEAT	
3	625 326 R1	PIN, 3/8 X 6 STD-HD	
	103 384	PIN, 1/8 X 3/4 COT.	
	120 394	WASHER, 13/32 X 13/16 X .051	
4	477 567 R1	BRACKET, SEAT	
	102 634	NUT, 5/16-18 HEX. -4-	
	179 818	SCREW, 5/16-18 X 1 HEX-HD CAP -4-	
	103 320	WASHER, 5/16 MED LOCK -4-	
5	476 903 R91	PEDESTAL ASSY, BACKHOE FLOOR PLATE	
	120 377	NUT, 3/8-16 C-Z HEX. -2-	
	180 077	SCREW, 5/16 X 3/4 C-Z HEX-HD CAP -4-	
	180 120	SCREW, 3/8-16 X 3/4 C-Z HEX-HD CAP -2-	
	180 175	SCREW, 1/2 X 1-1/4 C-Z HEX-HD CAP -2-	
	120 214	WASHER, 5/16 C-Z LOCK -4-	
	120 382	WASHER, 3/8 C-Z MED LOCK -2-	
	120 384	WASHER, 1/2 C-Z LOCK -2-	

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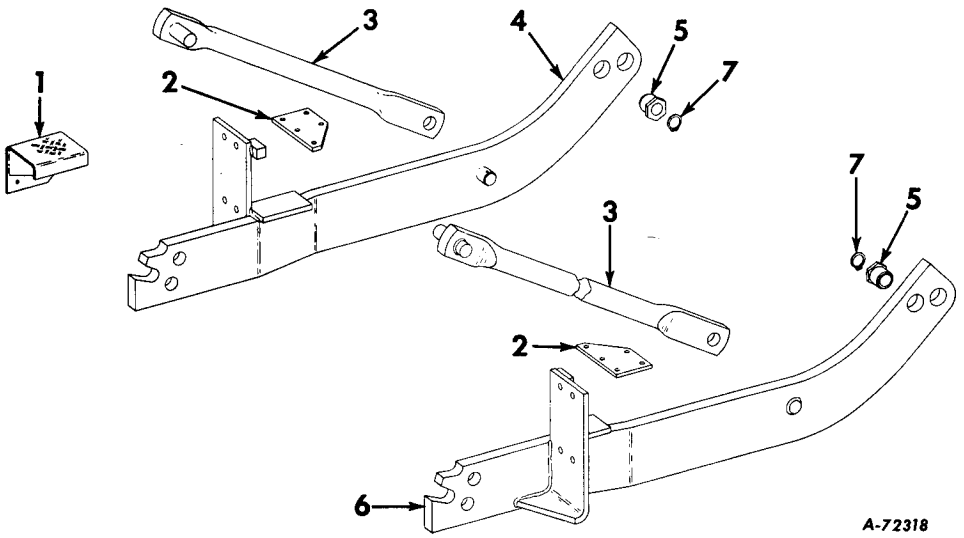
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME & FENDER BRACKETS -INTERNATIONAL 340,460,504,606,2504 AND 2606 TRACTORS-



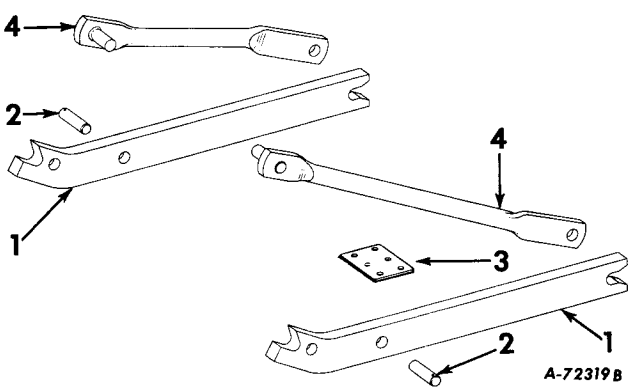
A-72318

1	470 455 R11	STEP ASSY, TRACTOR TO BACKHOE	
		NUT, 3/8-16 CD OR ZN-PLTD HEX.	-4-
		SCREW, 3/8-16 X 3/4 CD OR ZN-PLTD HEX-HD CAP	-4-
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK	-4-
		WASHER, 3/8 X 1-1/8 X 16 GA CD OR ZN-PLTD FLAT	-4-
2	469 549 R1	BRACKET, FENDER	-2-
		NUT, 1/2-13 CD OR ZN-PLTD HEX.	-4-
		SCREW, 1/2-13 X 1-1/8 CD OR ZN-PLTD HEX-HD CAP	-4-
3	469 181 R11	SUPPORT ASSY, MAIN FRAME	-2-
4	469 182 R11	SUBFRAME ASSY, LEFT	
		NUT, 5/8-11 CD OR ZN-PLTD HEX.	
		PIN, 1/4 X 2-1/4 CD OR ZN-PLTD COT.	
	19 827 R1	SCREW, 5/8-11 X 8 CD OR ZN-PLTD HEX-HD CAP	
		WASHER, 5/8 CD OR ZN-PLTD MED LOCK	
	551 183 R1	WASHER, 1-17/32 X 2-1/2 X 16 GA	
5	469 189 R1	CAM, SUBFRAME MOUNTING	-2-
6	469 183 R11	SUBFRAME ASSY, RIGHT	
		NUT, 5/8-11 CD OR ZN-PLTD HEX.	
		PIN, 1/4 X 2-1/4 CD OR ZN-PLTD COT.	
	19 827 R1	SCREW, 5/8-11 X 8 CD OR ZN-PLTD HEX-HD CAP	
		WASHER, 5/8 CD OR ZN-PLTD MED LOCK	
	551 183 R1	WASHER, 1-17/32 X 2-1/2 X 16 GA	
7	468 283 R1	RING, EXTERNAL RETAINING	-2-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME & FENDER BRACKETS -INTERNATIONAL -CONTINUED 340,460,504,606,2504 AND 2606 TRACTORS-

SUBFRAME AND FENDER BRACKETS -INTERNATIONAL 3414 LOADER TRACTORS-



A-72319B

1	469 084 R1	SUBFRAME	-2- -ORDER TWO 471265 R1-
1	471 265 R1	SUBFRAME	-2-
2	469 195 R1	PIN, ANCHOR	-2-
Q	1 436	PIN, 3/8 X 2-9/16 STD-HD DLD	-2-
	177 923	PIN, 1/8 X 3/4 CD OR ZN-PLTD COT.	-2-
3	393 824 R1	BRACKET, LOWER FENDER -WILL WORK FOR 469 793 R1-	
	120 378	NUT, 1/2-13 CD OR ZN-PLTD HEX.	-2-
	180 175	SCREW, 1/2-13 X 1-1/4 C-Z HEX-HD CAP	-2-
	120 384	WASHER, 1/2 CD OR ZN-PLTD MED LOCK	-2-
4	469 086 R11	LINK ASSY, TIE	-2-
	193 244	PIN, 3/8 X 2-1/2 CD OR ZN-PLTD COT.	-2-

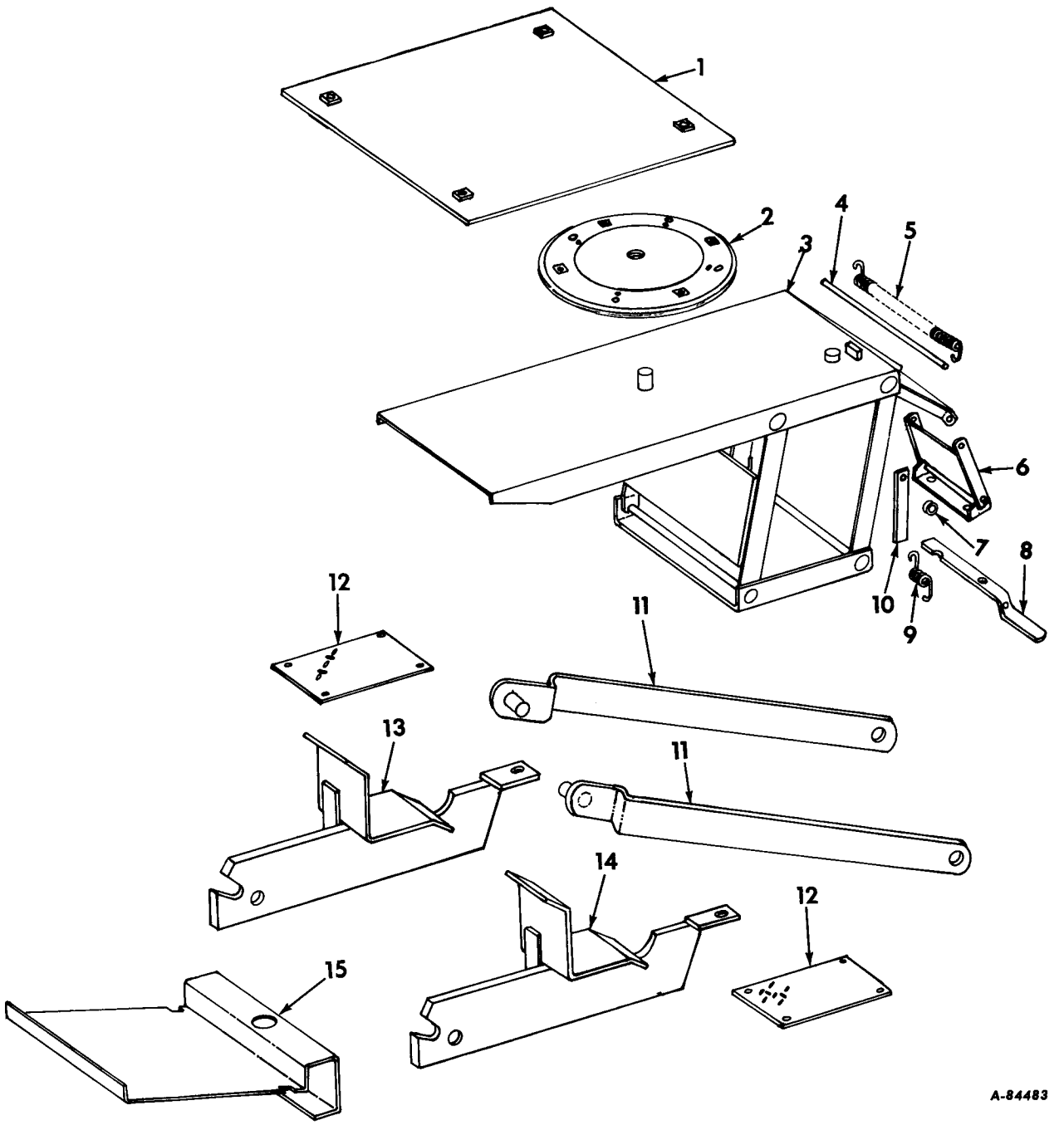
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME AND SEAT SUPPERT
-INTERNATIONAL 3514 & 3616 LOADER TRACTOR-

3130 BACKHOE -17- SECTION B

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME AND SEAT SUPPERT -CONTINUED
-INTERNATIONAL 3514 & 3616 LOADER TRACTOR-



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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		SUBFRAME AND SEAT SUPPERT -CONTINUED	
		-INTERNATIONAL 3514 & 3616 LOADER TRACTOR-	
1	480 721 R91	SWIVEL ASSY, SEAT	
2	476 838 R91	BEARING ASSY, LAZY SUSAN	
	436 750	SCREW, 10-32 X 1/2 PAN HD SLT MACH -4-	
	171 700	SCREW, 8-32 X 1/4 PAN HD SLTD TAPPIN -4-	
	121 841	WASHER, #8 LOCK -4-	
	120 217	WASHER, #10 LOCK -4-	
3	480 731 R91	BASE ASSY, SEAT	
	120 634	NUT, 5/16-18 HEX. -4-	
	107 763	PIN, 1/8 X 5/8 COT.	
	180 085	SCREW, 5/16-18 X 1-3/4 HEX-HD CAP -4-	
Q	1 597	WASHER, 13/32 X 3/4 X 16 GA	
4	480 703 R1	PIN, RETAINER	
	103 383	PIN, 1/8 X 1/2 COT. -2-	
Q	397	WASHER, 11/32 X 3/4 X 16 GA -4-	
5	481 633 R1	SPRING, SEAT RETAINER	
6	480 725 R91	BRACKET ASSY, MOUNTING LIFT	
	120 376	NUT, 5/16-18 C-Z HEX. -6-	
	180 077	SCREW, 5/16-18 X 3/4 C-Z HEX-HD CAP -6-	
	120 214	WASHER, 5/16 C-Z MED LOCK -6-	
Q	1 505	WASHER, 13/32 X 1 X 16 GA	
7	481 895 R1	WASHER, SEAT SAFETY STRAP	
8	476 840 R1	LATCH, LEVER	
9	476 962 R1	SPRING, LATCH	
10	481 894 R1	BAR, SEAT SAFETY STRAP	
11	480 715 R91	BAR ASSY, BACKHOE TIE -2-	
	193 244	PIN, 3/8 X 2-1/2 C-Z COT. -2- IN TRACTOR FRAME	
	551 183 R1	WASHER, 1-17/32 X 2-1/2 X 16 GA USE 1 WITH EACH TIE BAR ASSY OR AS REQD.	
12	481 076 R1	TREAD, FENDER -2-	
	171 754	SCREW, 1/4-20 X 1/2 C-Z PAN-HD SLT TAPPING -8-	
13	480 707 R91	BRACKET ASSY, SUBFRAME LH	
	271 611	SCREW, 3/4-10 X 2 HEX-HD CAP	
14	480 708 R91	BRACKET ASSY, SUBFRAME RH	
	271 611	SCREW, 3/4-10 X 2 HEX-HD CAP	
15	468 963 R11	PLATE ASSY, FLOOR	
	120 377	NUT, 3/8-16 C-Z HEX. -2-	
	180 175	SCREW, 1/2-13 X 1-1/4 C-Z HEX-HD CAP -2-	
	180 121	SCREW, 3/8-16 X 7/8 C-Z HEX-HD CAP -2-	
	120 382	WASHER, 3/8 C-Z MED LOCK -2-	
	120 384	WASHER, 1/2 C-Z MED LOCK -2-	

3130 BACKHOE -18- SECTION B

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

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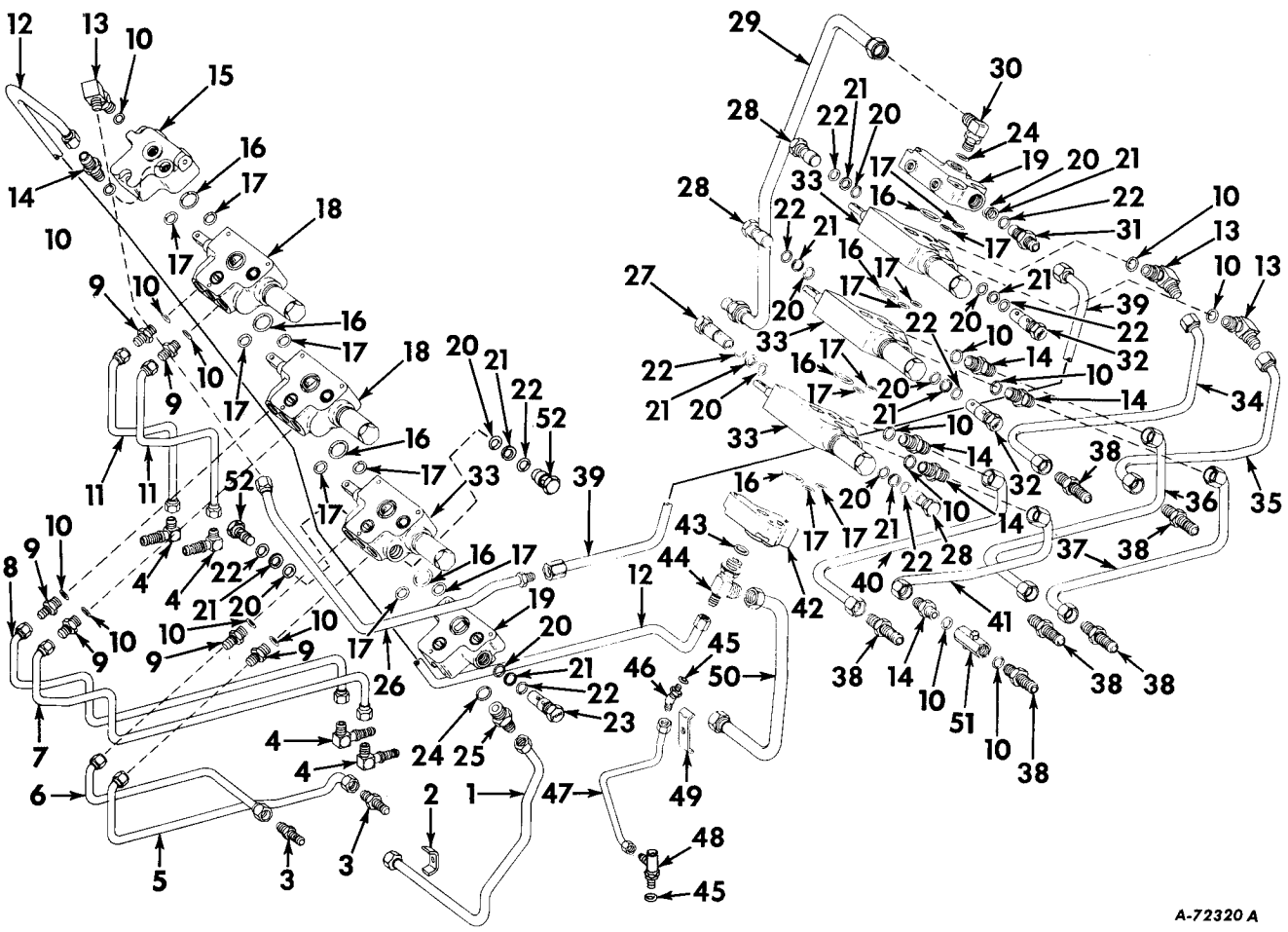
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		CONTROL VALVES AND TUBES	



1		469 991 R11	TUBE ASSY, 7 GAL. PRESSURE INLET
2		470 245 R1	CLAMP, TUBE
			NUT, 1/2-13 CD OR ZN-PLTD HEX.
		180 181	SCREW, 1/2-13 X 2 CD OR ZN-PLTD HEX-HD CAP
			WASHER, 1/2 CD OR ZN-PLTD MED LOCK
3	9	403 255	UNION, 3/4-16 CD OR ZN-PLTD FLARED TUBE -2-
	9	403 294	NUT, 3/4-16 CD OR ZN-PLTD BULKHEAD UNION LOCK -2-
		138 561	WASHER, 3/4 CD OR ZN-PLTD INT-TOOTH LOCK -2-
4		469 997 R1	ELBOW, 3/4-16 CD OR ZN-PLTD TUBE -4-
	9	403 294	NUT, 3/4-16 CD OR ZN-PLTD BULKHEAD UNION LOCK -4-
		138 561	WASHER, 3/4 CD OR ZN-PLTD INT-TOOTH LOCK -4-
5		469 986 R11	TUBE ASSY, VALVE TO SWING RH
6		469 985 R11	TUBE ASSY, VALVE TO SWING LH
7		469 987 R11	TUBE ASSY, VALVE TO STABILIZER RH LARGE END
8		469 988 R11	TUBE ASSY, VALVE TO RIGHT STABILIZER ROD END
9		481 352 R1	CONNECTOR, 5/8 X 1/2 REDUCING -6-
10		364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -16-
11		469 989 R11	TUBE ASSY, VALVE TO LEFT STABILIZER -2-
12		469 994 R11	TUBE ASSY, 7 GAL. RETURN
13	9	410 978	ELBOW, 7/8-14 TUBE ADJ 90 ELBOW -3-
14	9	410 204	CONNECTOR, 7/8-14 CD OR ZN-PLTD TUBE SWIVEL -6-
15		380 975 R1	COVER, CONTROL VALVE -FOR STABILIZER AND SWING CONTROL VALVE-
16		381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32 -8-
17		381 884 R1	O-RING, 1 X 1-3/16 X 3/32 -16- -FOR OPEN CENTER VALVE-SMALL-

-19- SECTION B
3130 BACKHOE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		CONTROL VALVES AND TUBES -CONTINUED	

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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		CONTROL VALVES AND TUBES -CONTINUED	
18	383 271 R92	VALVE ASSY, OPEN CENTER W/O ACCESSORY VALVE CHAMBER -STABILIZER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF VALVES- -2-	
19	380 976 R1	COVER, CONTROL VALVE -2-	
	20 059 R1	NUT, 3/8-16 CD OR ZN-PLTD HEX. -6-	
		SCREW, 3/8-16 X 9-1/4 HEX-HD CAP -6-	
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK -6-	
20	383 219 R1	O-RING, 15/16 X 1-1/8 X 3/32 -10-	
21	378 985 R2	WASHER, BACK-UP- -10-	
22	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32 -10-	
23	388 208 R91	VALVE ASSY, PILOT RELIEF -2000 P.S.I.-	
24	297 459 R1	O-RING, 1-3/64 X 1-9/32 X 1/8 -2-	
25	469 736 R1	CONNECTOR, 7/8 X 5/8 REDUCING	
26	469 992 R11	TUBE ASSY, 7 GAL. CARRY OVER	
27	382 928 R91	VALVE ASSY, CUSHION RELIEF -2000 P.S.I.-	
28	378 899 R1	PLUG, RELIEF VALVE CHAMBER -3-	
29	383 378 R11	TUBE ASSY, 17 GAL. PRESSURE -FOR 3414 3514 AND 3616 LOADER TRACTOR-	
29	469 995 R11	TUBE ASSY, 17 GAL. PRESSURE	
30	9 410 980	ELBOW, 7/8-14 CD OR ZN-PLTD ADJ 90 DEG	
31	469 999 R1	CONNECTOR, RELIEF VALVE	
32	382 479 R91	VALVE ASSY, CUSHION RELIEF -2500 P.S.I. -2-	
33	383 270 R92	VALVE ASSY, OPEN CENTER W/ACCESSORY VALVE CHAMBER -FOR BUCKET, CROWD AND LIFT- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF VALVES- -4-	
34	469 980 R11	TUBE ASSY, VALVE TO BUCKET - ROD END	
35	469 979 R11	TUBE ASSY, VALVE TO BUCKET	
36	469 984 R11	TUBE ASSY, VALVE TO CROWD - ROD END	
37	469 983 R11	TUBE ASSY, VALVE TO CROWD - LARGE END	
38	9 403 256	UNION, 7/8-14 CD OR ZN-PLTD TUBE -6-	
	9 403 295	NUT, 7/8-14 CD OR ZN-PLTD BULKHEAD UNION LOCK -6-	
	138 566	WASHER, 7/8 CD OR ZN-PLTD INT-TOOTH LOCK -6-	
39	469 993 R11	TUBE ASSY, HIGH PRESSURE CARRY OVER	
40	469 982 R11	TUBE ASSY, VALVE TO LIFT - ROD END	
41	469 981 R11	TUBE ASSY, VALVE TO LIFT - LARGE END	
42	380 974 R1	COVER, CONTROL VALVE	
43	296 247 R1	O-RING, 1-11/64 X 1-13/32 X 7/64	
44	470 244 R1	TEE, ADAPTER	
45	364 839 R1	O-RING, 15/32 X 5/8 X 5/64 -2-	
46	9 411 104	ELBOW, 9/16-18 CD OR ZN-PLTD TUBE 45 DEG	
47	470 961 R11	TUBE ASSY, SWING MECHANISM DRAIN	
48	471 521 R91	VALVE ASSY, O-RING BOSS 90 DEG CHECK -1962 TO 1965-	
48	9 410 976	ELBOW, O-RING BOSS 90 DEG ADJ -1965 AND SINCE-	

3130 BACKHOE -20- SECTION B

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		CONTROL VALVES AND TUBES -CONTINUED	
49	469 996 R1	CLAMP, DOUBLE TUBE	
		NUT, 1/2-13 CD OR ZN-PLTD HEX.	
		SCREW, 1/2-13 X 2-1/4 CD OR ZN-PLTD HEX-HD CAP	
		WASHER, 1/2 CD OR ZN-PLTD MED LOCK	
50	469 990 R11	TUBE ASSY, DUMP LINE	
50	383 379 R11	TUBE ASSY, DUMP LINE -FOR 3414, 3514 AND 3616 LOADER TRACTOR-	
51	470 776 R91	VALVE ASSY, FLOW CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF VALVES-	
52	387 229 R91	VALVE ASSY, ANTI-CAVITATION -2- -FOR SWING CONTROL VALVE-	

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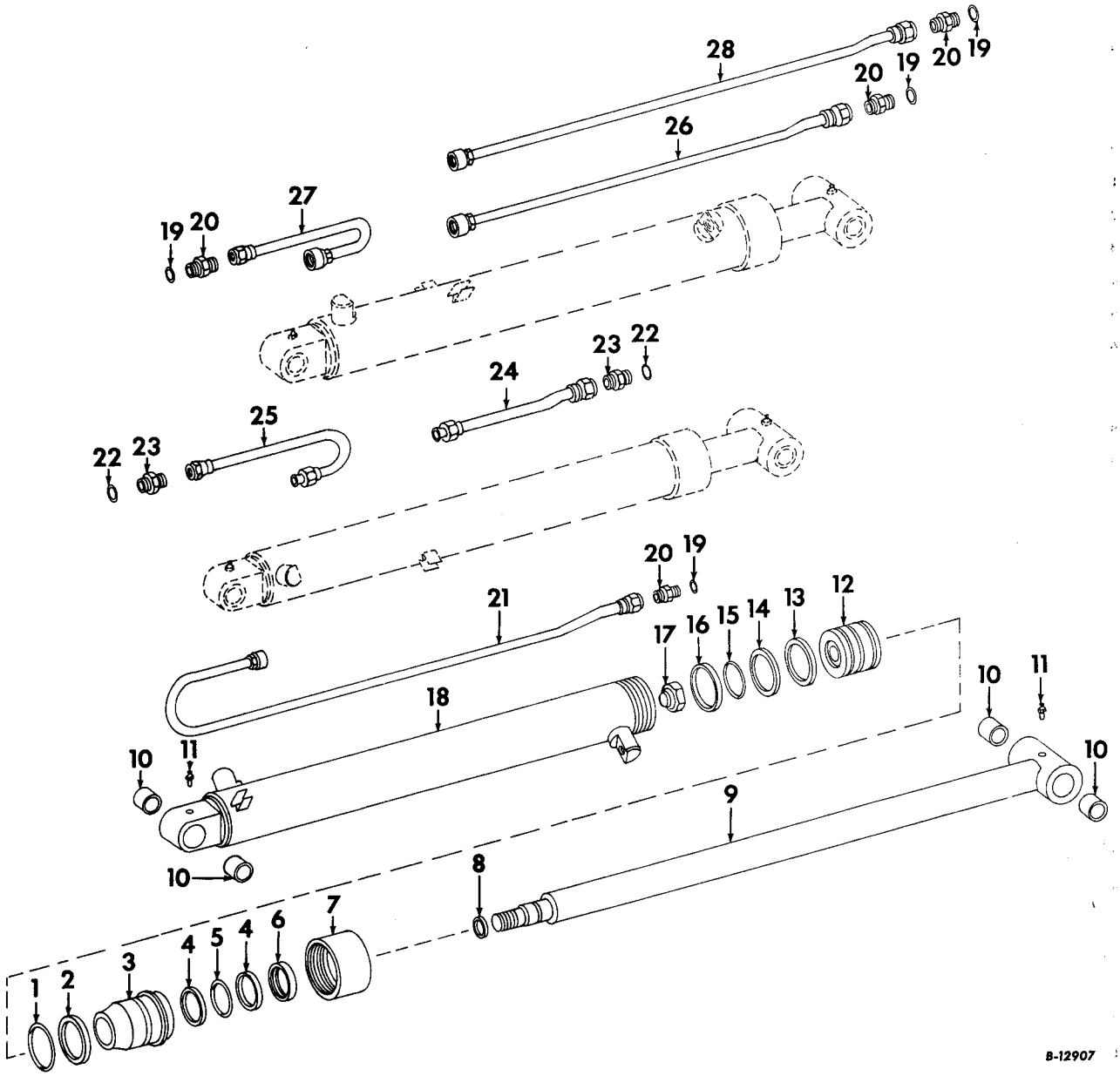
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CYLINDERS

3130 BACKHOE -21- SECTION B

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CYLINDERS -CONTINUED



385 612 R91 CYLINDER ASSY, 3-1/2 X 18.19 -FOR LEFT STABILIZER- -DOUBLE ACTION- -UNIT A-

385 613 R91 CYLINDER ASSY, 3-1/2 X 18.19 -FOR RIGHT STABILIZER- -DOUBLE ACTION- -UNIT B-

385 616 R91 CYLINDER ASSY, 4 X 33.7- -FOR CROWD AND LIFT- -DOUBLE ACTION- -2- -UNIT C-

385 609 R91 CYLINDER ASSY, 3-1/2 X 27 -FOR BUCKET- -DOUBLE ACTION- -UNIT D-

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REF. NO.	PART NUMBER	DESCRIPTION BKH-1
	HYDRAULIC CYLINDERS -CONTINUED	
		NOTE -LETTERS OF THESE UNITS CORRESPOND WITH THOSE SHOWN, FOLLOWING THE DESCRIPTION OF THE PARTS IN THE LIST BELOW AND IDENTIFY THE UNIT FOR WHICH THE PART IS USED. ITEMS WITHOUT LETTERS AFTER THE DESCRIPTION INDICATE THE PART IS USED FOR ALL UNITS.
1	352 216 R1	O-RING, 3-1/8 X 3-1/2 X 3/16 -FRONT HEAD- -UNIT A, B AND D-
1	252 736 R1	O-RING, 3-5/8 X 4 X 3/16 -FRONT HEAD- -UNIT C-
2	381 088 R1	WASHER, FRONT HEAD BACK-UP -UNIT A, B AND D-
2	381 107 R1	WASHER, FRONT HEAD BACK-UP -UNIT C-
3	381 080 R1	HEAD, FRONT -UNIT A, B AND D-
3	381 106 R1	HEAD, FRONT - UNIT C-
4	381 083 R1	WASHER, PISTON ROD BACK-UP -2-
5	381 082 R1	O-RING, PISTON ROD
6	327 219 R91	WIPER, PISTON ROD
7	381 089 R1	RING, FRONT HEAD RETAINING -UNIT A, B AND D-
7	381 111 R1	RING, FRONT HEAD RETAINING -UNIT C-
8	252 483 R1	O-RING, 1-1/4 X 1-1/2 X 1/8 -PISTON ROD- -UNIT A, B AND D-
8	493 739 R1	O-RING, 1-3/8 X 1-5/8 X 1/8 -PISTON ROD- -UNIT C-
9	381 097 R21	ROD W/BUSHING, PISTON -UNIT A AND B-
9	384 254 R11	ROD W/BUSHING, PISTON -UNIT C-
9	381 078 R21	ROD W/BUSHING, PISTON -UNIT D-
10	468 280 R1	BUSHING -UNIT A, B AND D- -4-
10	468 366 R1	BUSHING -UNIT C- -4-
11	109 461	FITTING, 1/8-27 PTF STR LUB -2 FOR UNIT A & B- -1 FOR UNIT C & D-
11	126 152	FITTING, 1/8-27 PTF 45 DEG ANGLE LUB -1 FOR UNIT C & D-
12	381 084 R2	PISTON - UNIT A, B AND D-
12	384 255 R1	PISTON -UNIT C-
13	381 085 R1	RING, PISTON BEARING - FRONT -UNIT A, B AND D-
13	381 112 R1	RING, PISTON BEARING - FRONT -UNIT C-
14	381 086 R1	SEAL, PISTON -UNIT A, B AND D-
14	381 110 R1	SEAL, PISTON -UNIT C-
15	380 910 R1	O-RING, 3 X 3-3/16 X 3/32 -PISTON SEAL- -UNIT A, B AND D-
15	381 109 R1	O-RING, 3-1/2 X 3-11/16 X 3/32 -PISTON SEAL -UNIT C-
16	383 005 R1	RING, PISTON BEARING -REAR -UNIT A, B AND D-
16	383 006 R1	RING, PISTON BEARING REAR -UNIT C-

3130 BACKHOE -22- SECTION B

REF. NO.	PART NUMBER	DESCRIPTION BKH-1
	HYDRAULIC CYLINDERS -CONTINUED	
17	20 251 R1	NUT, 1-1/8 UNF CD OR ZN-PLTD CONELOK -UNIT A, B AND D-
17	384 817 R1	NUT, 1-1/2 UNF CD OR ZN-PLTD LOCK -UNIT C-
18	385 614 R91	CYLINDER W/BUSHING, HYD LH -UNIT A-
18	385 615 R91	CYLINDER W/BUSHING, HYD RH -UNIT B-
18	385 617 R91	CYLINDER W/BUSHING, HYD -UNIT C-
18	385 610 R91	CYLINDER W/BUSHING, HYD -UNIT D-
19	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -2 FOR UNIT C- -1 FOR UNIT D-
20	9 410 204	CONNECTOR, 7/8-14 37 DEG FLARED SHORT SWIVEL -2 FOR UNIT C- -1 FOR UNIT D-
21	474 284 R11	TUBE ASSY, BUCKET CYLINDER RETURN -UNIT D-
22	570 828 R1	O-RING, .644 X .087 -2- -UNIT A AND B-
23	9 410 203	CONNECTOR, 3/4-16 37 DEG FLARED SHORT SWIVEL -2- -UNIT A AND B-
24	474 286 R11	TUBE ASSY, STABILIZER CYLINDER REAR -2- -UNIT A AND B-
25	474 285 R11	TUBE ASSY, STABILIZER CYLINDER FRONT -2- -UNIT A AND B-
26	474 287 R11	TUBE ASSY, LIFT CYLINDER ROD END -2- -UNIT C-
27	474 288 R11	TUBE ASSY, LIFT CYLINDER HEAD END -2- -UNIT C-
28		NOT USED
	471 267 R91	PACKAGE, HYD CYL SERVICE -UNIT A, B AND D- CONSISTS OF-

1	O-RING	252 483 R1
1	O-RING	352 216 R1
1	O-RING	380 910 R1
1	O-RING	381 082 R1
1	O-RING	381 085 R1
1	RING	383 005 R1
1	SEAL	381 086 R1
2	WASHER	381 083 R1
1	WASHER	381 088 R1
1	WIPER	327 219 R91

471 266 R92 PACKAGE, HYD CYL SERVICE -UNIT C- CONSISTS OF-

1	O-RING	252 483 R1
1	O-RING	252 736 R1
1	O-RING	381 082 R1
1	O-RING	381 107 R1
1	O-RING	381 109 R1
1	O-RING	381 112 R1
1	O-RING	293 739 R1
1	RING	383 006 R91
1	SEAL	381 110 R1
2	WASHER	381 083 R1
1	WIPER	327 219 R91-

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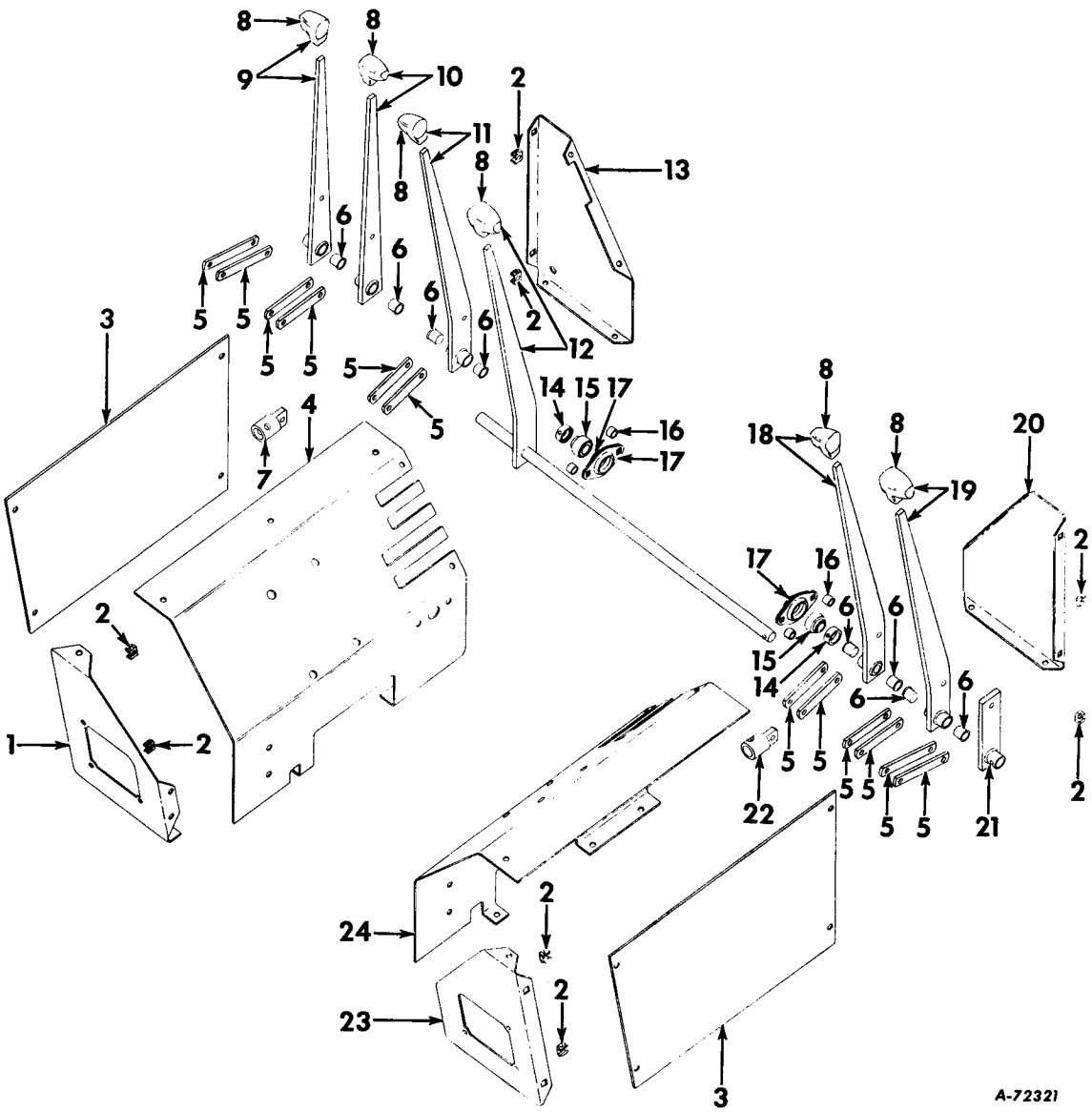
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONTROLS	



1	468 735 R1	PLATE, LEFT REAR VALVE COVER NUT, 3/8-16 CD OR ZN-PLTD HEX. -2- SCREW, 3/8-16 X 1 CD OR ZN-PLTD HEX-HD CAP -2- WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2-
2	459 063 R1	RETAINER, 5/16 SPEED GRIP NUT -8-
3	468 739 R1	PLATE, LEFT SIDE VALVE COVER -2- SCREW, 5/16-18 X 5/8 CD OR ZN-PLTD HEX-HD CAP -8-

3130 BACKHOE -23- SECTION 8

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONTROLS -CONTINUED	

4	468 741 R1	PLATE, LEFT VALVE MOUNTING NUT, 5/16-18 CD OR ZN-PLTD HEX. -5- NUT, 3/8-16 CD OR ZN-PLTD HEX. -3- SCREW, 5/16-18 X 5/8 CD OR ZN-PLTD HEX-HD CAP -5- SCREW, 3/8-16 X 1 CD OR ZN-PLTD HEX-HD CAP -3- SCREW, 1/2-13 X 7/8 CD OR ZN-PLTD HEX-HD CAP -4- WASHER, 5/16 CD OR ZN-PLTD MED LOCK -5- WASHER, 3/8 CD OR ZN-PLTD MED LOCK -3- WASHER, 1/2 CD OR ZN-PLTD MED LOCK -4-

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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	HYDRAULIC CONTROLS -CONTINUED		
5	468 743 R1	LINK, CONTROL LEVERS -12-	
B	92 1/2	PIN, 3/8 X 7/8 STD-HD -12-	
		PIN, 1/8 X 3/4 CD OR ZN-PLTD COT. -12-	
6	185 062 R1	BEARING, CONTROL LEVER FLANGED -8-	
7	471 531 R1	LINK, SPOOL ACTUATING LEFT -3-	
	17 158 R1	PIN, 1/2 X 1-1/4 ESNA ROLL -3-	
8	468 708 R1	KNOB, CONTROL LEVER -6-	
9	468 709 R91	LEVER W/KNOB, LEFT STABILIZER CONTROL	
10	468 710 R91	LEVER W/KNOB, RIGHT STABILIZER CONTROL	
11	468 713 R91	LEVER W/KNOB, SWING CONTROL	
12	468 705 R91	LEVER AND SHAFT ASSY, BUCKET CONTROL	
13	468 737 R1	PLATE, LEFT FRONT VALVE COVER	
		NUT, 3/8-16 CD OR ZN-PLTD HEX. -2-	
		SCREW, 3/8-16 X 1 CD OR ZN-PLTD HEX-HD CAP -2-	
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2-	
14	455 958 R11	COLLAR ASSY, CONTROL LEVER BALL BEARING LOCKING -2-	
15	455 957 R91	BEARING, CONTROL LEVER BALL -2-	
16	469 925 R1	SPACER, CONTROL BEARING -4-	
17	469 924 R1	FLANGE, CONTROL LEVER BALL BEARING MOUNTING -4-	
		NUT, 5/16-18 CD OR ZN-PLTD HEX. -4-	
		SCREW, 5/16-18 X 1 CD OR ZN-PLTD HEX-HD CAP -4-	
		WASHER, 5/16 CD OR ZN-PLTD EXT-TOOTH LOCK -4-	
18	468 717 R91	LEVER ASSY, LIFT CONTROL	
19	468 714 R91	LEVER W/KNOB, CROWD CYL CONTROL	
20	468 738 R1	PLATE, RIGHT FRONT VALVE COVER	
		NUT, 3/8-16 CD OR ZN-PLTD HEX. -2-	
		SCREW, 3/8-16 X 1 CD OR ZN-PLTD HEX-HD CAP -2-	
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2-	
21	468 396 R11	LEVER ASSY, BUCKET CONTROL	
	106 751	KEY, 3/16 X 3/4 WOODRUFF 9	
	139 074	SCREW, 3/8-24 X 5/16 HEX-SOC-HD CUP-PT SET	
22	471 532 R1	LINK, SPOOL ACTUATING RIGHT -3-	
	17 158 R1	PIN, 1/2 X 1-1/4 ESNA ROLL -3-	
23	468 736 R1	PLATE, RIGHT REAR VALVE COVER	
		NUT, 3/8-16 CD OR ZN-PLTD HEX. -2-	
		SCREW, 3/8-16 X 1 CD OR ZN-PLTD HEX-HD CAP -2-	
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2-	
24	468 742 R1	PLATE, RIGHT VALVE MOUNTING	
		NUT, 5/16-18 CD OR ZN-PLTD HEX. -5-	
		NUT, 3/8-16 CD OR ZN-PLTD HEX. -3-	
		SCREW, 5/16-18 X 5/8 CD OR ZN-PLTD HEX-HD CAP -5-	
		SCREW, 3/8-16 X 1 CD OR ZN-PLTD HEX-HD CAP -3-	
		SCREW, 1/2-13 X 7/8 CD OR ZN-PLTD HEX-HD CAP -4-	
		WASHER, 5/16 CD OR ZN-PLTD MED LOCK -5-	
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK -3-	
		WASHER, 1/2 CD OR ZN-PLTD MED LOCK -4-	

3130 BACKHOE -24- SECTION B

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

PRINTED IN UNITED STATES OF AMERICA

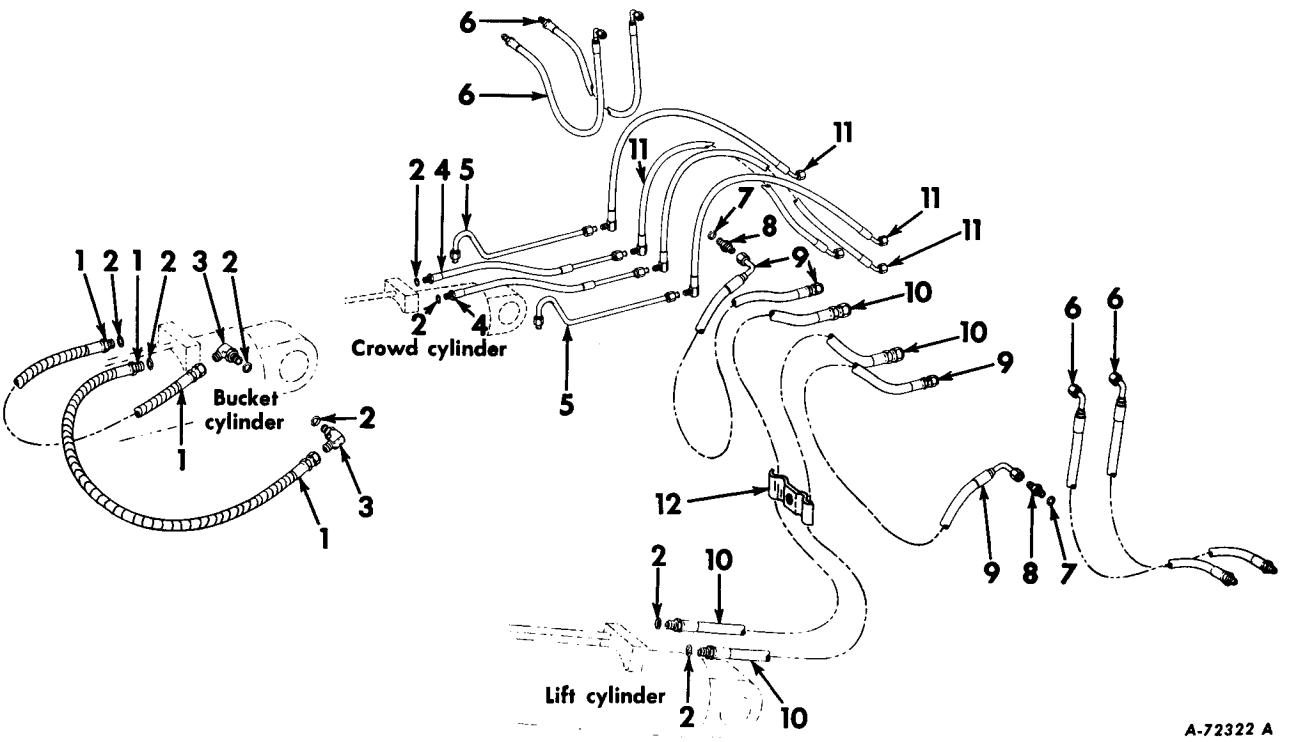
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS - BASIC-

3130 BACKHOE -25- SECTION B

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS - BASIC- -CONTINUED



1		470 252 R91	HOSE ASSY, HYD -38 IN. LONG- -2- -BOOM TO BUCKET CYLINDER-
2		364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -8-
3	9	410 978	ELBOW, 7/8-14 TUBE ADJ 90 DEG ELBOW -2-
4		471 922 R91	HOSE ASSY, HYD -34 IN. LONG -2- -BOOM HOSE TO CROWD CYLINDER-
5		471 932 R11	TUBE ASSY, BOOM TO HOSE -2-
6		470 256 R91	HOSE ASSY, HYD - 24 IN. LONG- -4- -BULKHEAD TO STABILIZER CYLINDER-
7		364 839 R1	O-RING, 15/32 X 5/8 X 5/64 -2-
8	9	410 202	CONNECTOR, 9/16-18 CD OR ZN-PLTD TUBE -2-
9		470 255 R91	HOSE ASSY, HYD -40 IN. LONG- -2- -BULKHEAD TO SWING-
10		470 253 R91	HOSE ASSY, HYD -51 IN. LONG- -2- -BULKHEAD TO LIFT CYLINDER-
11		471 923 R91	HOSE ASSY, HYD -41-1/2 IN. LONG- -4- -BULKHEAD TO BOOM-
12		469 998 R1	CLAMP, HYD HOSE
			NUT, 1/2-13 CD OR ZN-PLTD HEX.
		120 238	NUT, 1/2-13 CD OR ZN-PLTD HEX. JAM

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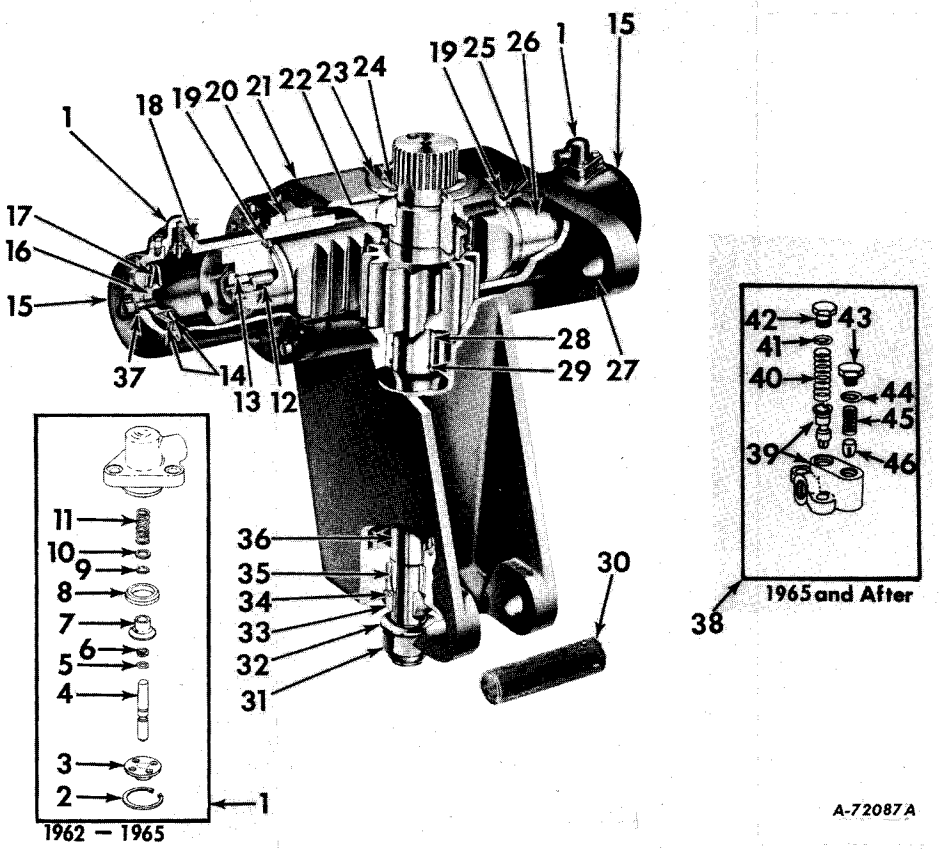
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SWING MECHANISM



1	468 972 R13	VALVE ASSY, DECELERATOR -2- -ORDER VALVE 392 941 R91, 3 SCREWS 138 221 AND O-RING 481 767 R1-	
	138 211	SCREW, 5/16-18 X 3/4 HEX-HD SOCKET CAP -6-	
2		RING, VALVE PIN GUIDE INTERNAL RETAINING -2- -ORDER 392 941 R91-	
3		GUIDE, VALVE PIN -2- -ORDER 392 941 R91-	
4		PIN, VALVE ACTUATING -2- -ORDER 392 941 R91-	
5		O-RING, 3/16 X 5/16 X 1/16 -2- -ORDER 392 941 R91-	
6		RING, VALVE PIN BACKUP -2- -ORDER 392 941 R91-	
7		VALVE, POPPET -2- -ORDER 392 941 R91-	
8		SEAT, VALVE -2- -ORDER 392 941 R91-	
9		RING, VALVE PIN EXT RETAINING -2- -ORDER 392 941 R91-	
10		WASHER, VALVE PIN SPRING RETAINING -2- -ORDER 392 941 R91-	

3130 BACKHOE -26- SECTION B

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SWING MECHANISM -CONTINUED

11		SPRING, VALVE -2- -ORDER 392 941 R91-
12	382 992 R91	VALVE ASSY, SWING PISTON SAFETY -2-
12	394 311 R91	VALVE ASSY, SWING PISTON SAFETY -2- -FOR USE ON 3514 AND 3616 TRACTOR-
13	296 247 R1	O-RING, 1-11/64 X 1-13/32 X 7/64 -2-
14	468 345 R1	SPRING, SWING PISTON BUMPER -4-
15	468 341 R1	CYLINDER, BACKHOE SWING -2- -1962 TO 1965-
	479 914 R1	SCREW, 1/2-13 X 1-1/2 HEX-HD CAP -12 SCREW, 1/2-13 X 1-1/2 CD OR ZN-PLTD HEX-HD CAP -2-
	11 002 VA	WASHER, 17/32 X 7/8 X 16 GA -2-
15	481 807 R1	CYLINDER, BACKHOE SWING -2- -1965 AND SINCE-
	484 667 R1	SCREW, 5/8-11 X 1-1/2 HEX-HD CAP -16- -1965 AND SINCE-
	180 177	SCREW, 1/2-13 X 1-1/2 C-Z HEX-HD CAP -2-
	11 022 VA	WASHER, 17/32 X 7/8 X 16 GA -2-
16	468 343 R1	RETAINER, SWING CYL BUMPER SPRING -2-
17	470 471 R1	SPRING, SWING PISTON BUMPER -2-
18	375 269 R1	O-RING, 1-1/2 X 1-11/16 X 3/32 -2-

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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	SWING MECHANISM -CONTINUED		
19	468 340 R1	RING, SWING PISTON -2-	
20	285 253 R1	O-RING, 5-1/2 X 5-3/4 X 1/8 -BACKHOE SWING CYL -2-	
21	468 329 R11	HOUSING W/BUSHINGS, SWING -1962 TO 1965-	
21	481 806 R21	HOUSING W/BUSHING, SWING -1965 AND SINCE-	
	109 461	FITTING, 1/8 STR LUB	
9	410 360	PLUG, 7/8-14 CD OR ZN-PLTD STR-THD	
	479 670 R1	SCREW, 1/2-13 X 2 HEX-SOC-HD HALF DOG PT SET	
22	468 335 R1	O-RING, 3-3/8 X 3-3/4 X 3/16	
23	468 333 R2	BUSHING, UPPER SWING SHAFT	
	380 595 R1	O-RING, 5-5/8 X 5-7/8 X 1/8	
24	468 334 R91	SEAL, UPPER SWING SHAFT BUSHING DUST	
25	468 339 R1	O-RING, 4 X 4-1/4 X 1/8 -2-	
26	468 338 R1	PISTON, SWING MECHANISM	
27	468 366 R1	BUSHING, BOOM PIVOT PIT -2-	
28	468 332 R1	BUSHING, LOWER SWING SHAFT	
29	471 140 R1	O-RING, 3 X 3-3/8 X 3/16	
30	468 370 R1	PIN, BOOM CYL LOWER	
		PIN, 1/8 X 3/4 CD OR ZN-PLTD COT. -2-	
	631 252 R1	PIN, 3/8 X 4-1/8 STD-HD -2-	
31	18 460 R1	NUT, 1-1/2-12 ESNA STOP	
32	469 079 R1	WASHER, SWING SHAFT	
33	468 336 R1	SPACER, LOWER SWING SHAFT BEARING	
34	468 337 R1	RING, LOWER SWING SHAFT RETAINING	
35	294 885 R92	BUSHING W/BALL, SWING SHAFT	
36	468 330 R1	SHAFT, BACKHOE SWING	
37	299 496 R1	SEAL, BUMPER -2-	
	11 002 VA	WASHER, 17/32 X 7/8 X 16 GA -2-	
38	392 941 R91	VALVE ASSY, DECELERATOR	
	138 221	SCREW, 5/16-18 X 3/4 HEX-HD SOCKET CAP -3-	
39	392 945 R91	HOUSING ASSY, VALVE	
40	392 963 R1	SPRING, VALVE PISTON	
41	364 885 R1	O-RING, 3/4 X 15/16 X 3/32	
42	392 964 R1	PLUG, PISTON	
43	392 962 R11	PLUG ASSY, CHECK VALVE	
44	570 828 R1	O-RING, 1/2 OD TUBE	
45	382 915 R1	SPRING, CHECK VALVE	
46	392 916 R1	POPPET, CHECK VALVE	
	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -FOR BOSS PLUG IN HOUSING-	
	481 767 R1	O-RING, 1-1/2 X 1-11/16 X 3/32 BETWEEN VALVE HOUSING AND SWING CYLINDER-	

3130 BACKHOE -27- SECTION B

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

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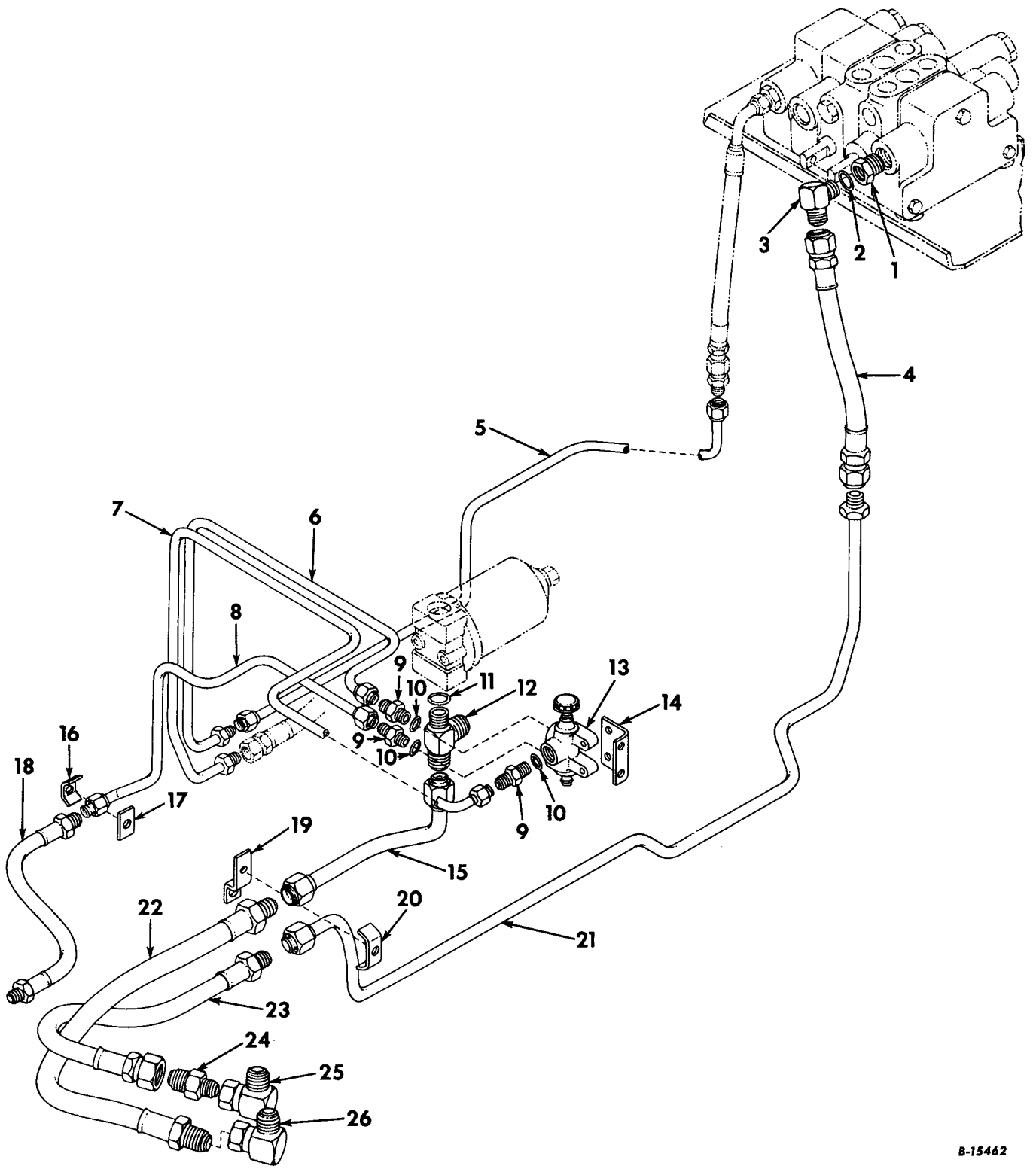
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS -FOR USE ON INTERNATIONAL 3514 & 3616 LOADER TRACTORS-

3130 BACKHOE -28- SECTION B

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS -FOR USE ON -CONTINUED INTERNATIONAL 3514 & 3616 LOADER TRACTORS-



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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -FOR USE ON -CONTINUED INTERNATIONAL 3514 & 3616 LOADER TRACTORS-	
1	444 702	PLUG, 1/2-14 AUTOMOTIVE HEX. SOC	
2	297 459 R1	O-RING, 7/8 OD TUBE	
3	9 410 980	ELBOW, 1-3/16-12 37 DEG HYD FLARED TUBE STR THD 90 DEG	
4	480 975 R91	HOSE ASSY, HYD LOADER VALVE TO BACKHOE PRESSURE TUBE	
5	480 979 R21	PIPE ASSY, INTERMEDIATE DIVERTER VALVE TO FLOW DIVIDER	
6	480 980 R11	PIPE ASSY, DIVERTER VALVE TO INTERMEDIATE TUBE TO FLOW DIVIDER	
7	480 978 R11	PIPE ASSY, BELLY PUMP HOSE TO DIVERTER VALVE	
8	481 732 R11	PIPE ASSY, DIVERTER VALVE TO BACKHOE SWING BOTTOM PORT	
9	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL -3-	
10	364 885 R1	O-RING, 5/8 OD TUBE -3-	
11	296 247 R1	O-RING	
12	9 411 135	TEE, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG	
13	389 251 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF VALVES- OPTIONAL WITH 383 946 R91-	
13	383 946 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF VALVES- OPTIONAL WITH 389 251 R91-	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
	180 085	SCREW, 5/16-18 X 1-3/4 C-Z HEX-HD CAP -2-	
	120 214	WASHER, 5/16 C-Z MED LOCK -2-	
14	480 702 R1	BRACKET, DIVERTER VALVE	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
	180 077	SCREW, 5/16-18 X 3/4 C-Z HEX-HD CAP -2-	
	120 214	WASHER, 5/16 C-Z MED LOCK -2-	
15	480 982 R11	PIPE ASSY, BACKHOE RETURN TO FILTER	
16	481 726 R1	CLAMP, PIPE DIVERTER TO BACKHOE SWING BOTTOM PORT	
	271 547	SCREW, 5/8-11 X 1-1/2 C-Z HEX-HD CAP	
17	481 725 R1	STRIP, PIPE CLAMP	
18	480 983 R91	HOSE ASSY, 10 GPM TRACTOR TO BACKHOE	
19	480 706 R1	BRACKET, BACKHOE TUBES -2-	
20	469 996 R1	CLAMP, BACKHOE TUBES	
	120 378	NUT, 1/2-13 C-Z HEX.	
	180 777	SCREW, 1/2-13 X 1-1/2 C-Z HEX-HD CAP	
	120 384	WASHER, 1/2 C-Z MED LOCK	
21	480 976 R11	PIPE ASSY, LOADER TO BACKHOE 22 GPM PRESSURE	
22	470 246 R91	HOSE ASSY, RETURN BACKHOE TO TRACTOR	
23	383 942 R91	HOSE ASSY, 17 GPM PUMP PRESSURE	
24	469 785 R1	UNION, 1-5/16 TO 1-3/16 REDUCING	
25	9 410 284	ELBOW, 1-3/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL	
26	9 410 285	ELBOW, 1-15/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL	

3130 BACKHOE -29- SECTION B

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

PRINTED IN UNITED STATES OF AMERICA

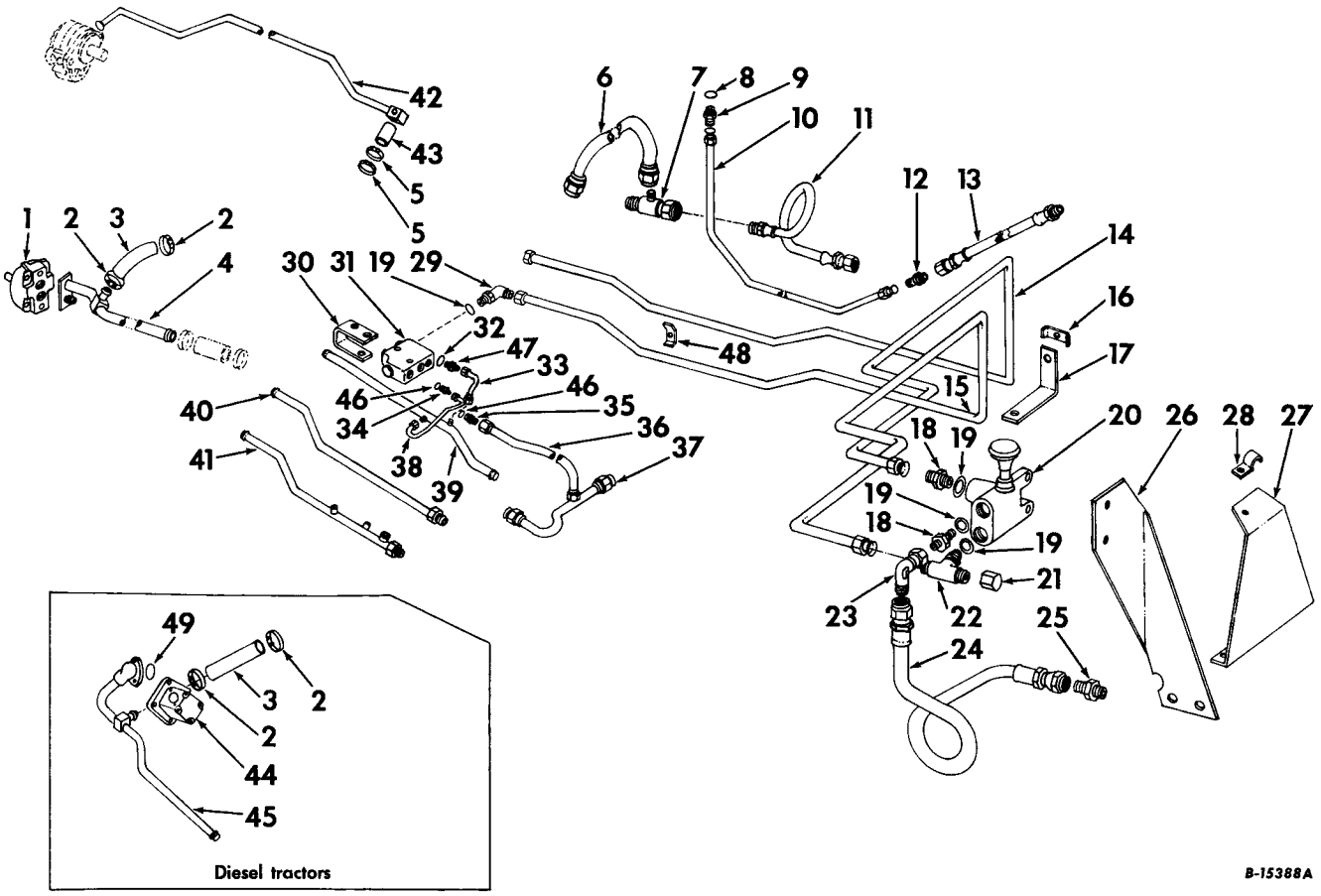
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS -FOR INTERNATIONAL 2424 TRACTOR WITH 2000 LOADER-

3130 BACKHOE -30- SECTION B

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS -FOR INTERNATIONAL 2424 TRACTOR WITH 2000 LOADER- -CONTINUED



SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2424 GASOLINE OR DIESEL TRACTOR EQUIPPED W/HITCH, 2000 LOADER AND POWER STEERING -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT A-

SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2424 GASOLINE TRACTOR EQUIPPED W/HITCH, 2000 LOADER BUT W/O POWER STEERING -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT B-

SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2424 DIESEL TRACTOR EQUIPPED W/HITCH, 2000 LOADER BUT W/O POWER STEERING -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT C-

SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2424 GASOLINE OR DIESEL TRACTOR EQUIPPED W/2000 LOADER BUT W/O HITCH OR POWER STEERING -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT D-

SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2424 GASOLINE OR DIESEL TRACTOR EQUIPPED W/2000 LOADER, POWER STEERING BUT W/O HITCH -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT E-

1	368 633 R91	PUMP ASSY, HYD W/DRIVE GEAR -9 GPM- -THOMPSON- -GASOLINE- -UNIT B, D AND E- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF HYDRAULIC PUMP- -OPTIONAL WITH 376 993 R92-
1	376 993 R92	PUMP ASSY, HYD W/DRIVE GEAR -9 GPM- -CESSNA- -GASOLINE- -UNIT B, D AND E- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF HYD PUMP- -OPTIONAL WITH 368 633 R91-
	186 282	SCREW, 3/8-16 X 3-1/4 HEX-HD CAP -2-
	103 321	WASHER, 3/8 MED LOCK -2-
2	274 087 R91	CLAMP, HOSE -2 -UNIT D AND E-
3	369 428 R1	HOSE, 17 GPM SUCTION TO 9 GPM -UNIT D AND E-
4	390 908 R91	PIPE ASSY, 9 GPM PUMP -GASOLINE- -UNIT D AND E-

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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -FOR INTERNATIONAL 2424 TRACTOR WITH 2000 LOADER- -CONTINUED	
5	279 024 R91	CLAMP, SUCTION HOSE -2- UNIT D AND E-	
6	390 897 R91	HOSE ASSY, CHARGING -UNIT D AND E-	
7	390 898 R91	FITTING RESTRICTING -UNIT D AND E-	
8	297 459 R1	O-RING, 1.048 X .116	
9	9 410 206	CONNECTOR, 1-3/16-12 DEG HYD FLARED TUBE	
10	480 724 R11	PIPE ASSY, BACKHOE PRESSURE FROM LOADER	
11	383 941 R91	HOSE ASSY, BACKHOE RETURN	
12	469 785 R1	UNION, 1-5/16 X 1-3/16 REDUCING	
13	383 942 R91	HOSE ASSY, 17 GPM PRESSURE	
14	480 962 R11	PIPE ASSY, DIVERTER VALVE TO PRESSURE HOSE	
15	480 963 R11	PIPE ASSY, DIVERTER VALVE TO FLOW DIVIDER -UNIT A, B, C AND E-	
16	470 976 R1	CLAMP, TUBE	
	120 376	NUT, 5/16-18 HEX.	
	180 083	SCREW, 5/16-18 X 1-1/2 HEX-HD CAP	
	120 214	WASHER, 5/16 MED LOCK	
17	480 965 R1	BRACKET, DIVERTER VALVE TUBES	
18	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL -2-	
19	364 885 R1	O-RING, .755 X .116 -4-	
20	469 730 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF VALVES- -OPTIONAL WITH 389 252 R91	
20	389 252 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF VALVES- -OPTIONAL WITH 469 730 R91	
21	9 403 373	CAP, 7/8-14 37 DEG HYD FALRED TUBE -UNIT A, B, C AND E-	
22	9 411 119	TEE, 7/8-14 37 DEG HYD FLARED TUBE ADJ STR THD -UNIT A, B, C AND E-	
23	9 410 282	ELBOW, 5/8-14 37 DEG HYD FLARED TUBE	
24	338 345 R91	HOSE ASSY, HYDRAULIC PRESSURE	
25	9 403 217	UNION, 7/8-14 37 DEG HYD FLARED TUBE	
26	480 964 R1	BRACKET, DIVERTER VALVE -UNIT A, B, C AND E-	
27	391 710 R1	BRACKET, TUBE -UNIT D-	
28	470 453 R1	CLIP, HYD TUBE -UNIT D-	
	120 375	NUT, 1/4-20 HEX.	
	180 020	SCREW, 1/4-20 X 3/4 HEX-HD CAP	
	120 380	WASHER, 1/4 MED LOCK	
29	9 410 978	ELBOW, 7/8 HYD FLARED TUBE ADJ STR THD 90 DEG	
30	389 520 R1	BRACKET, FLOW DIVIDER MOUNTING -UNIT B AND C-	
	103 025	NUT, 5/16-24 HEX. -2-	
	179 856	SCREW, 7/16-14 X 3/4 HEX-HD CAP	
	148 115	SCREW, 5/16-24 X 2-1/4 CR-REC-PAN-HD MACH -2-	
	103 320	WASHER, 5/16 MED LOCK -2-	
31	389 412 R91	FLOW DIVIDER -UNIT B AND C- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF FLOW DIVIDER VALVE-	
32	364 839 R1	O-RING, .468 -UNIT B AND C-	

3130 BACKHOE -31- SECTION B

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -FOR INTERNATIONAL 2424 TRACTOR WITH 2000 LOADER- -CONTINUED	
33	389 518 R11	PIPE ASSY, FLOW DIVIDER TO SUCTION -UNIT B AND C-	
34	587 639 R1	CONNECTOR, FLOW DIVIDER -UNIT B AND C-	
35	392 553 R1	CONNECTOR, POWER STEERING TO DUMP -UNIT B AND C-	
36	389 519 R11	PIPE ASSY, FLOW DIVIDER TO HITCH -UNIT B AND C-	
37	390 894 R11	PIPE ASSY, FLOW DIVIDER RETURN -UNIT E-	
38	632 455 R91	HOSE ASSY, POWER STEERING TO DUMP -UNIT B AND C-	
39	389 521 R11	PIPE ASSY, SUCTION -UNIT B AND C-	
40	390 905 R11	PIPE ASSY, SUCTION -UNIT D-	
41	390 906 R11	PIPE ASSY, SUCTION -UNIT A, B, C AND E-	
42	390 904 R1	PIPE ASSY, 17 GPM TO 9 GPM SUCTION -UNIT D AND E-	
43	390 901 R1	HOSE, FILTER TO 17 GPM SUCTION LINE -UNIT D AND E-	
44	3 043 981 R93	PUMP ASSY, HYD W/DRIVE GEAR -9 GPM- -DIESEL- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF HYDRAULIC PUMP- -UNIT C-	
45	390 903 R91	PIPE ASSY, PUMP SUCTION -DIESEL- -UNIT D AND E-	
	20 483 R1	SCREW, 5/16-18 X 3/4 HEX-SOC-HD CAP -2-	
	103 320	WASHER, 5/16 MED LOCK -2-	
46	570 828 R1	O-RING, .644 X .087 -UNIT B AND C-	
47	9 410 202	CONNECTOR, 9/16-18 37 DEG HYD FLARED TUBE SHORT SWIVEL -UNIT B AND C-	
48	470 245 R1	CLAMP, TUBE	
	120 378	NUT, 1/2-13 C-Z HEX.	
	180 181	SCREW, 1/2-13 X 2 C-Z HEX-HD CAP	
	120 384	WASHER, 1/2 C-Z MED LOCK	
49	369 908 R1	O-RING, 13/16 X 1 X 3/32 -UNIT D-	

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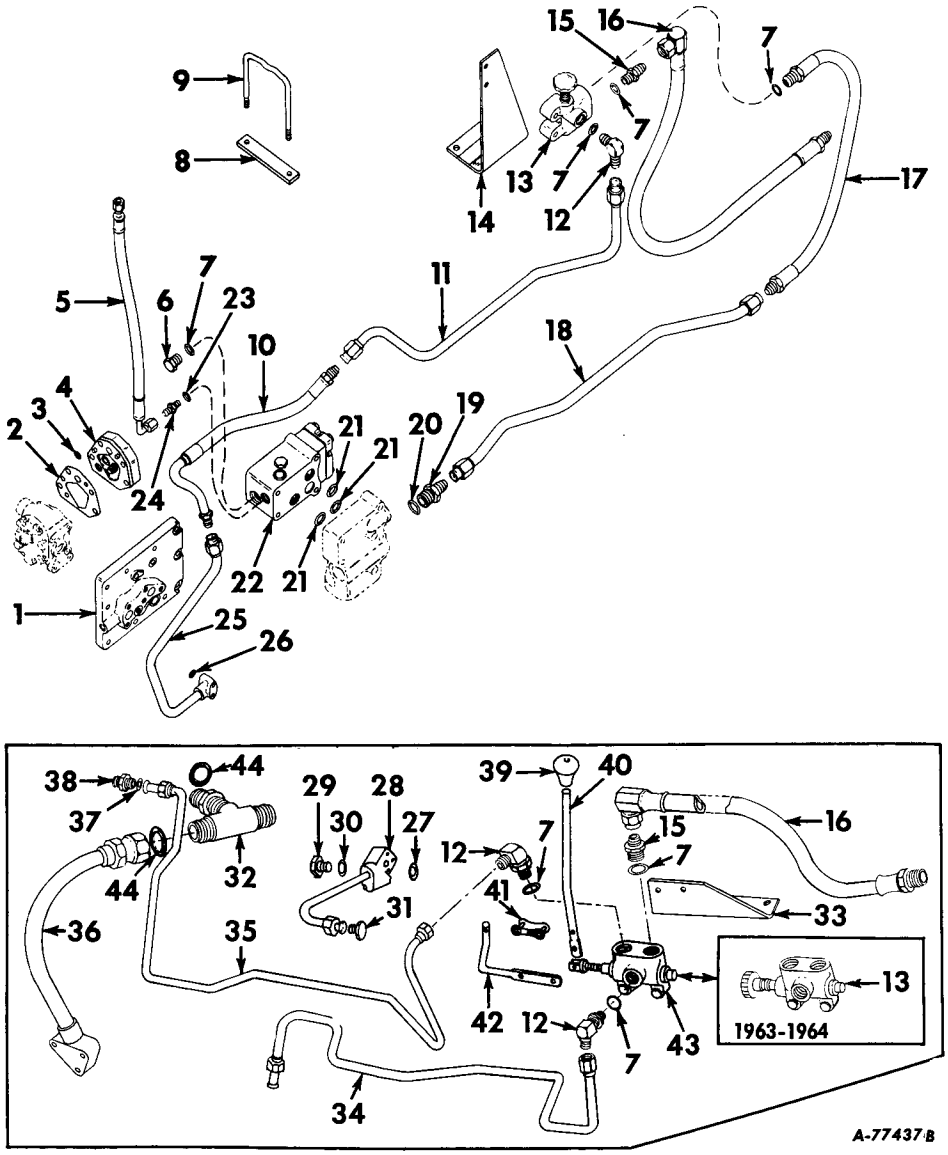
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

FLANGE, PUMP & POWER SUPPLY CONNECTIONS
FOR I-340,460,504,606,2504 & 2606 TRACTORS

-32- SECTION B
3130 BACKHOE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

FLANGE, PUMP & POWER SUPPLY CONNECTIONS -CONTINUED
FOR I-340,460,504,606,2504 & 2606 TRACTORS



KEY TO UNITS

A - PUMP AND POWER SUPPLY CONNECTIONS FOR INTERNATIONAL 340 AND 460 TRACTORS EQUIPPED W/2000 OR 3000 LOADER AND 17 GPM TRANSMISSION DRIVEN PUMP AND POWER STEERING.

B - POWER SUPPLY CONNECTIONS FOR INTERNATIONAL 504, 606, 2504 AND 2606 TRACTORS EQUIPPED W/2000 OR 3000 LOADER AND 7 AND 17 GPM TRANSMISSION DRIVEN PUMP.

1	469 762 R11	FLANGE ASSY, PUMP MOUNTING -UNIT A- -FOR INTERNATIONAL 340, I-340-A, TD-340-A AND 460 TRACTORS EQUIPPED W/540 RPM CLUTCH TYPE INDEPENDENT PTO-
1	469 763 R11	FLANGE ASSY, PUMP MOUNTING -UNIT A- -FOR INTERNATIONAL 340, I-340-A, TD-340-A AND 460 TRACTORS EQUIPPED W/540 RPM PLANETARY TYPE INDEPENDENT PTO-
2	371 543 R2	GASKET, PUMP -UNIT A-
3	371 544 R1	O-RING, 9/16 X 11/16 X 1/16 -UNIT A-

PRINTED IN UNITED STATES OF AMERICA

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		FLANGE, PUMP & POWER SUPPLY CONNECTIONS -CONTINUED FOR I-340,460,504,606,2504 & 2606 TRACTORS	
4	381 115 R92	PUMP ASSY, HYD GEAR -7 GPM- -UNIT A- -THOMPSON- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC PUMP- -OPTIONAL WITH 381 116 R91-	
	631 994 R1	SCREW, 3/8 X 2-1/2 HEX-HD TYPE 4 CAP -4-	
4	381 116 R91	PUMP ASSY, HYD GEAR -7 GPM- -UNIT A- -CESSNA- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF HYDRAULIC PUMP- -OPTIONAL WITH 381 115 R92-	
	20 649 R1	SCREW, 3/8 X 2-1/4 HEX-HD TYPE 4 CAP -4-	
5	373 255 R91	HOSE ASSY, 3/8 HYD POWER STEERING PRESSURE -UNIT A-	
6	9 410 360	PLUG, 7/8-14 CD OR ZN-PLTD STR-THD -UNIT A-	
7	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -4 FOR UNIT A- -3 FOR UNIT B-	
8	470 606 R1	BLOCK, TUBE CLAMP -UNIT A-	
9	470 605 R2	CLAMP, PRESSURE AND FILTER TUBE -UNIT A-	
	17 044 R1	NUT, 3/8 ESNA LOCK -2-	
10	469 728 R91	HOSE ASSY, POWER SUPPLY PRESSURE -UNIT A-	
11	469 729 R11	TUBE ASSY, DIVERTER VALVE -UNIT A-	
12	9 410 978	ELBOW, 7/8-14 90 DEG CD OR ZN-PLTD FLARED TUBE -UNIT A, 2 FOR UNIT B-	
13	469 730 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF VALVES-	
		NUT, 5/16-18 CD OR ZN-PLTD HEX. -2-	
		SCREW, 5/16-18 X 1-3/4 CD OR ZN-PLTD HEX-HD CAP -2-	
		WASHER, 5/16 CD OR ZN-PLTD MED LOCK -2-	
14	469 732 R91	SUPPORT ASSY, DIVERTER VALVE -UNIT A-	
15	9 410 204	CONNECTOR, 7/8-14 CD OR ZN-PLTD FLARED TUBE	
16	469 731 R91	HOSE ASSY, BACKHOE PRESSURE	
16	483 595 R91	HOSE ASSY, HYD -38 IN.- -FOR USE W/QUICK-DISCONNECT COUPLER ONLY-	
17	470 845 R91	HOSE ASSY, HYDRAULIC -UNIT A-	
18	469 735 R11	TUBE ASSY, POWER SUPPLY PRESSURE -UNIT A-	
19	469 736 R1	REDUCER, POWER SUPPLY -UNIT A-	
20	297 459 R1	O-RING, 1.048 X .116 -REDUCER- -UNIT A-	
21	350 667 R1	O-RING, 11/16 X 7/8 X 3/32 -UNIT A- -3-	
22	364 841 R96	VALVE ASSY, REGULATOR SAFETY AND FLOW CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF VALVES- -UNIT A-	
		SCREW, 7/16-14 X 4-1/4 CD OR ZN-PLTD HEX-HD CAP -4-	
		WASHER, 7/16 CD OR ZN-PLTD MED LOCK -4-	
23	364 839 R1	O-RING, .468 X .078 -UNIT A-	
24	9 410 202	CONNECTOR, 9/16-18 CD OR ZN-PLTD FLARED TUBE -UNIT A-	

3130 BACKHOE -33- SECTION B

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		FLANGE, PUMP & POWER SUPPLY CONNECTIONS -CONTINUED FOR I-340,460,504,606,2504 & 2606 TRACTORS	
25	469 727 R11	TUBE ASSY, POWER SUPPLY PRESSURE -UNIT A-	
		SCREW, 5/16-18 X 1-1/2 CD OR ZN-PLTD HEX-HD CAP -2-	
26	352 221 R1	O-RING, 9/16 X 3/4 X 3/32 -POWER SUPPLY- -2-	
27	355 965 R1	O-RING, 15/16 X 1-3/16 X 1/8 -UNIT B-	
28	469 905 R91	TUBE ASSY, DRAFT CONTROL -UNIT B-	
		SCREW, 3/8-16 X 2 CD OR ZN-PLTD HEX-HD CAP -3-	
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK -3-	
29	9 410 359	PLUG, 3/4-16 CD OR ZN-PLTD TUBE STR-THD -UNIT B-	
30	570 828 R1	O-RING, .644 X .087 -UNIT B-	
31	9 403 334	PLUG, 7/8-14 CD OR ZN-PLTD FLARED TUBE -UNIT B-	
32	9 411 120	TEE, 1-1/16-12 37 DEG CD OR ZN-PLTD FLARED TUBE ADJ -UNIT B-	
33	474 478 R1	BASE, DIVERTER VALVE -UNIT B-	
34	474 477 R11	PIPE ASSY, DIVERTER -UNIT B-	
35	475 187 R11	TUBE ASSY, DIVERTER VALVE TO STEERING -UNIT B-	
36	475 186 R91	HOSE ASSY, 17 GAL. PRESSURE -UNIT B- -UNIT B-	
37	356 005 R1	O-RING , 1-1/8 X 1-3/8 X 1/8 -UNIT B-	
38	573 206 R1	CONNECTOR, 5/8-37 DEG FLARED TUBE SHORT SWIVEL -UNIT B-	
39	53 717 DA	KNOB, DIVERTER VALVE LEVER -UNIT B-	
40	478 885 R1	LEVER, DIVERTER VALVE -UNIT B-	
	669 546 R1	PIN, 5/64 X 7/8 COT.	
41	587 372 R91	LINK, CHAIN ASSY -UNIT B-	
42	478 886 R1	SUPPORT, DIVERTER VALVE LEVER -UNIT B-	
43	478 887 R91	VALVE ASSY, DIVERTER -UNIT B- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF VALVES-	
		NUT, 5/16- C-Z PLTD HEX. -2-	
		SCREW, 5/16-18 X 1-7/8 C-Z PLTD HEX-HD CAP -2-	
		WASHER, 5/16 C-Z PLTD MED LOCK -2-	
44	368 269 R1	O-RING, 59/64 X 1-1/16 X 7/8 -2- -UNIT B-	

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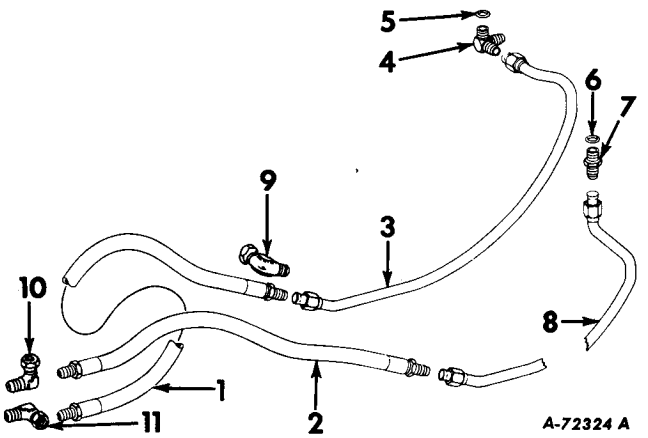
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

POWER SUPPLY CONNECTIONS -FOR TRACTORS USING EXTERNAL FILTER - -SEE NOTE-



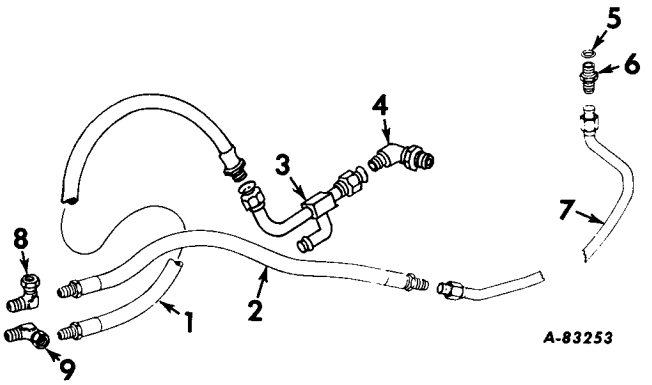
1		470 246 R91	HOSE ASSY, 1 X 33 IN. -INLET FILTER TUBE TO HOE VALVE-
2		470 247 R91	HOSE ASSY, 7/8 X 34 IN. -PRESSURE TUBE TO HOE VALVE-
3		470 248 R11	TUBE ASSY, INLET FILTER
4		470 250 R1	TEE, FLARED TUBE ADJ -INLET FILTER TUBE TO COVER-
5		296 247 R1	O-RING, 1.171 X .116
6		297 459 R1	O-RING, 1.048 X .116
7	9	410 206	CONNECTOR, 1-3/16-12 CD OR ZN-PLTD FLARED TUBE SWIVEL
8		470 249 R11	TUBE ASSY, PRESSURE
9	9	410 285	ELBOW, 1-5/16-12 90 DEG CD OR ZN-PLTD SWIVEL -FOR I-340, 404 & 2404 TRACTORS ONLY-
10	9	410 284	ELBOW, 1-3/16-12 90 DEG CD OR ZN-PLTD SWIVEL -FOR I-504, I-606, 2504 AND 2606 TRACTOR ONLY- ONLY-
11	9	410 285	ELBOW, 1-5/16-12 90 DEG CD OR ZN-PLTD SWIVEL -FOR I-404, I-504, 2404 AND 2504 TRACTOR ONLY-

NOTE -FOR INTERNATIONAL 340, 404, 460, 504, 2404, 2504 AND 2606 TRACTORS-

3130 BACKHOE -34- SECTION B

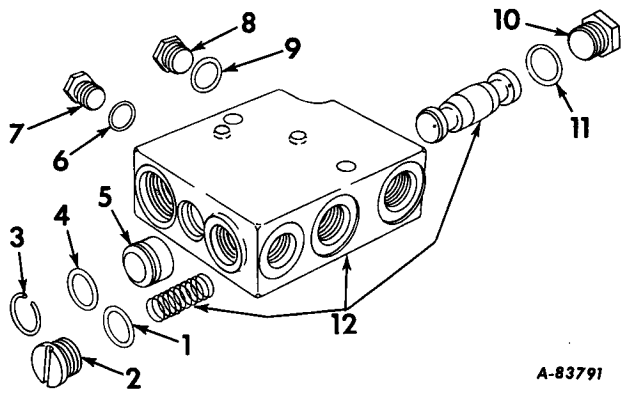
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

POWER SUPPLY CONNECTIONS -FOR I-504, 606, 2504 & 2606 TRACTORS USING TRACTOR FILTER



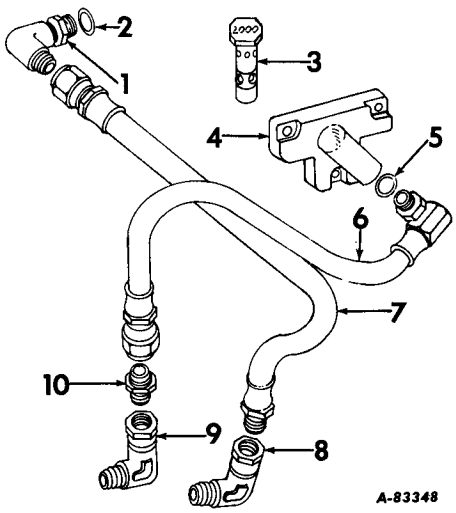
1		470 246 R91	HOSE ASSY, 1 X 33 IN. -INLET FILTER TUBE TO HOE VALVE-
2		470 247 R91	HOSE ASSY, 7/8 X 34 IN. -PRESSURE TUBE TO HOE VALVE-
3		479 358 R91	TEE ASSY, DUMPLINE
4	9	410 981	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE
5		297 459 R1	O-RING, 1.048 X .116
6	9	410 206	CONNECTOR, 1-3/16-12 C-Z PLTD FLARED TUBE SWIVEL
7		470 249 R11	TUBE ASSY, PRESSURE
8	9	410 284	ELBOW, 1-3/16-12 90 DEG C-Z PLTD SWIVEL -FOR I-504 & 2504 TRACTOR ONLY-
9	9	410 285	ELBOW, 1-5/16-12 90 DEG C-Z PLTD SWIVEL -FOR I-404, I-504, 2404 & 2504 TRACTOR ONLY-

FLOW DIVIDER VALVE
-TRACTORS WITH POWER STEERING-



REF. NO.	PART NUMBER	DESCRIPTION
	389 412 R91	FLOW DIVIDER ASSY
1	252 739 R1	O-RING, 11/16 X 1/2 X 3/32
2	391 458 R1	PLUG, SLOTTED
3	583 476 R1	RING, LOCK
4	352 221 R1	O-RING, 9/16 X 3/4 X 3/32
5	583 477 R1	PLUG, BODY
6	355 967 R1	O-RING, 3/8 X 1/2 X 1/16
7	391 457 R1	PLUG, BODY
8	391 456 R1	PLUG, BODY
9	355 966 R1	O-RING, 7/16 X 5/8 X 3/32
10	391 455 R1	PLUG, BODY
11	252 707 R1	O-RING, 3/4 X 15/16 X 3/32
12	389 412 R1	BODY, FLOW DIVIDER -NOT SERVICED SEPARATELY, ORDER FLOW DIVIDER ASSY 389 412 R91-
	391 459 R91	PACKAGE, FLOW DIVIDE O-RING SERVICE -CONSISTS OF 1 O-RING 352 221 R1 1 O-RING 355 967 R1 1 O-RING 252 707 R1 1 O-RING 355 966 R1 1 O-RING 252 739 R1 1 RING 583 476 R1-

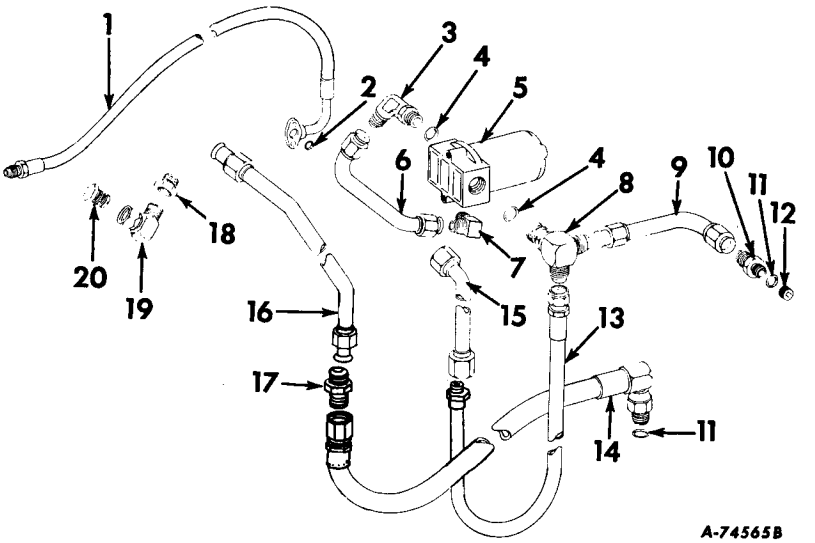
POWER SUPPLY CONNECTION -FOR INTERNATIONAL 504, 606, 2504 & 2606 TRACTOR W/O LOADER-



REF. NO.	PART NUMBER	DESCRIPTION
1	9 410 981	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG
2	296 247 R1	O-RING, 1-11/16 X 1-13/32 X 7/64
3	388 208 R91	VALVE ASSY, 2000 PSI PILOT OPERATED -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF VALVES-
4	470 603 R1	COVER, POWER BEYOND
5	297 459 R1	O-RING, 1.048 X .116
6	472 756 R91	HOSE ASSY, JUNCTION BLOCK TO BACKHOE PRESSURE
7	472 757 R91	HOSE ASSY, BACKHOE DUMP
8	9 410 285	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL
9	9 410 284	ELBOW, 1-3/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL
10	469 785 R1	UNION, 1-5/16 X 1-3/16 REDUCING

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS -SEE NOTE-



REF. NO.	PART NUMBER	DESCRIPTION
1	470 454 R91	HOSE W/FLANGE ASSY, PRESSURE
		SCREW, 5/16-18 X 1-1/2 CD OR ZN-PLTD HEX-HD CAP
2	352 221 R1	O-RING, 9/16 X 3/4 X 3/32 -POWER SUPPLY-
3	9 410 981	ELBOW, 1-5/16-12-37 DEG FLARED TUBE
4	296 247 R1	O-RING, 1-11/64 X 1-13/32 X 7/64 -2-
5	471 133 R92	FILTER ASSY, OIL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF -OIL FILTER-
		SCREW, 3/8-16 X 1 CD OR ZN-PLTD HEX-HD CAP -2-
	614 452 R1	WASHER, 13/32 X 1-1/4 X 11 GA -2-
6	472 752 R11	TUBE ASSY, FILTER RETURN
7	472 753 R1	ELBOW, 90 DEG ADAPTER
8	470 250 R1	TEE, 37 DEG FLARED TUBE -FILTER INLET-
9	472 754 R11	TUBE ASSY, VALVE OUTLET
10	472 755 R1	REDUCER, VALVE OUTLET
11	297 459 R1	O-RING, 1-3/64 X 1-9/32 X 7/64 -2-
12	144 014	PLUG, 1/2 SQ SOCKET PIPE
13	472 757 R91	HOSE ASSY, HYD TO FILTER
14	472 756 R91	HOSE ASSY, HYD PRESSURE
15	383 379 R11	TUBE ASSY, DUMP LINE
16	383 378 R11	TUBE ASSY, PRESSURE
17	469 785 R1	UNION, 1-5/16 TO 1-3/16 REDUCING
18	189 885	BUSHING, 1-1/2 X 1/2 REDUCING PIPE
19	474 187 R1	ELBOW, SWIVEL
20	9 403 334	PLUG, 7/8-14 37 DEG CD OR ZN-PLTD STR-THD

NOTE -FOR T-340A OR TD-340A W/DROTT 4-IN-1 SKID SHOVEL, 3040 LOADER, 600 OR 700 BLADE-

3130 BACKHOE

HYDRAULIC CONNECTIONS -SEE NOTE- -CONTINUED

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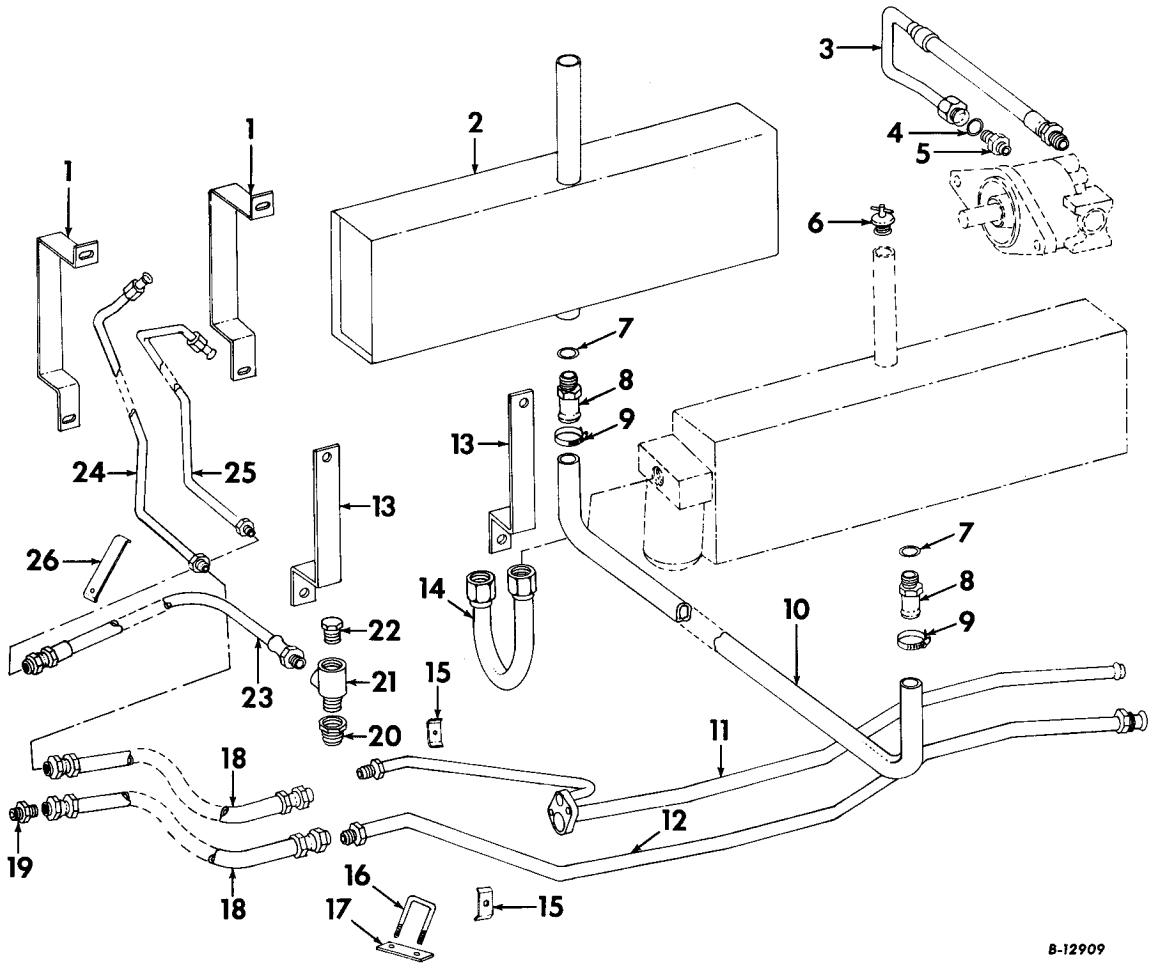
REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

HYDRAULIC CONNECTIONS -INTERNATIONAL 404 & 2404 TRACTORS EQUIPPED W/2000 LOADER-



REF. NO.	PART NUMBER	DESCRIPTION
1	473 512 R1	STRAP, RESERVOIR -2-
2	473 510 R91	TANK, RESERVOIR
3	474 661 R91	HOSE ASSY, HYD
4	297 459 R1	O-RING, 1.048 X .116
5	9 410 206	CONNECTOR, 1-3/16-12 37 DEG FLARED TUBE
6	474 617 R1	PLUG, HYD RESERVOIR
7	368 269 R1	O-RING, 59/64 X 1-1/16 X 7/64
8	474 618 R11	FITTING ASSY, STR HOSE INSERT -2-
9	274 086 R91	CLAMP, HOSE -2-
10	474 605 R1	HOSE, RESERVOIR TANK -44 IN.-
11	474 623 R91	MANIFOLD ASSY, 9 GPM PUMP
12	474 620 R11	TUBE ASSY, PRESSURE

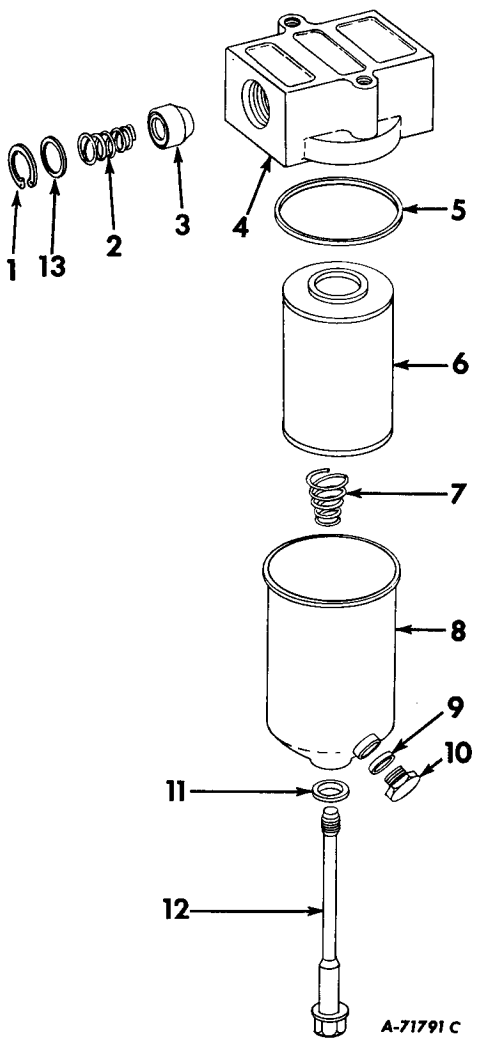
3130 BACKHOE -37- SECTION B

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

HYDRAULIC CONNECTIONS -INTERNATIONAL 404 & -CONTINUED 2404 TRACTORS EQUIPPED W/2000 LOADER-

REF. NO.	PART NUMBER	DESCRIPTION
13	474 469 R1	STRAP, RESERVOIR -2- NUT, 3/8-16 CD OR ZN-PLTD HEX. -4- SCREW, 3/8-16 X 1-3/8 CD OR ZN-PLTD HEX-HD CAP -4- WASHER, 3/8 CD OR ZN-PLTD MED LOCK -4-
14	319 863 R91	HOSE ASSY, SPIRAL WIRE
15	379 045 R1	CLAMP, TUBE -2- NUT, 5/16 X 18 CD OR ZN-PLTD HEX. SCREW, 5/16-18 X 1-5/8 CD OR ZN-PLTD HEX-HD CAP WASHER, 5/16 CD OR ZN-PLTD MED LOCK
16	470 605 R2	CLAMP, PRESSURE AND FILLER TUBE
	17 044 R1	NUT, 3/8 ESNA STUP -2-
17	470 606 R1	BLOCK, TUBE CLAMP
18	338 345 R91	HOSE ASSY, -PRESSURE- -PUMP TO BACKHOE- -2-
19	9 403 217	UNION, 7/8-14 37 DEG FLARED TUBE
20	120 062	BUSHING, 1 IN. TO 1/2 REDUCING

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -INTERNATIONAL 404 & -CONTINUED 2404 TRACTORS EQUIPPED W/2000 LOADER-	
21	444 153	TEE, 1/2 AUTOMOTIVE PIPE -INT. EXT. INT-STL C-Z PLTD-	
22	444 630	PLUG, 1/2 AUTOMOTIVE HEX-HD PIPE -DRAIN AND FILLER-	
23	307 871 R91	HOSE ASSY, RETURN	
24	474 622 R11	TUBE ASSY, HIGH PRESSURE	
25	474 625 R11	TUBE ASSY, SUMP	
26	474 626 R1	CLAMP, TUBE	
		OIL FILTER	



3130 BACKHOE -38- SECTION B

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		OIL FILTER -CONTINUED	
	471 133 R92	FILTER ASSY, OIL	
1	338 835 R1	RING, VALVE RETAINING	
2	381 626 R1	SPRING, VALVE COMPRESSION	
3	381 625 R1	VALVE, RELIEF AND CHECK	
4		BASE ASSY, OIL FILTER - NOT SERVICED SEPARATELY-	
5	381 627 R1	GASKET, FILTER BASE PLUG	
6	381 256 R91	ELEMENT ASSY, OIL FILTER	
7	471 633 R1	SPRING, OIL FILTER COMPRESSION	
8	471 634 R1	BODY, OIL FILTER	
9	381 618 R1	GASKET, OIL FILTER DRAIN PLUG RING	
10	445 078	PLUG, OIL FILTER DRAIN	
11	381 629 R1	GASKET, OIL FILTER BODY BOLT RING	
12	471 632 R1	BOLT, OIL FILTER HOLD DOWN	
13		NOT USED	

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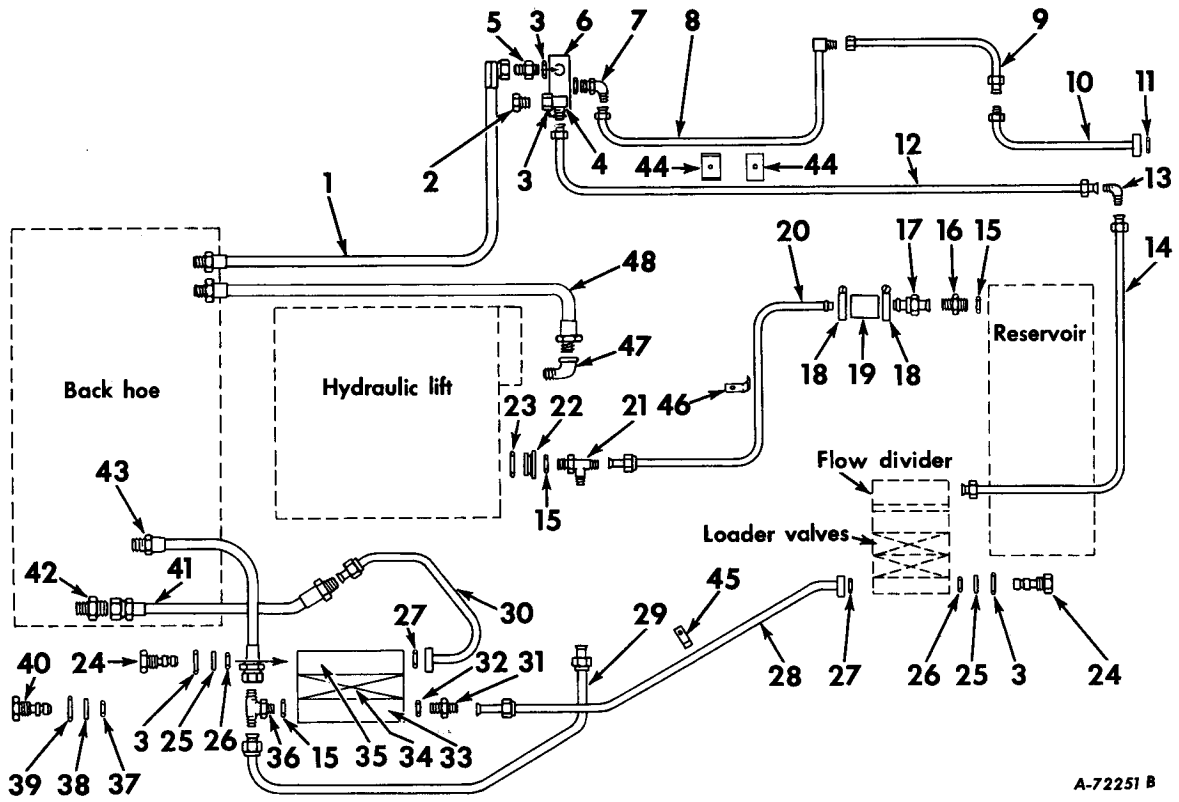
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS -FOR 3414 LOADER TRACTOR W/HYDRAULIC LIFT & AUXILIARY VALVE



1		469 731 R91	HOSE ASSY, 1/2 X 24 IN. PRESSURE
2	9	403 334	PLUG, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE
3		364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -5-
4		383 943 R91	ELBOW W/SWIVEL, 90 DEG SIDE OUTLET
5	9	410 204	CONNECTOR, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE SHORT SWIVEL
6		389 251 R91	VALVE ASSY, DIVERTER -OPTIONAL WITH 383 946 R91-
6		383 946 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF VALVES- NUT, 5/16-18 CD OR ZN-PLTD HEX. -2- SCREW, 5/16-18 X 1-3/4 CD OR ZN-PLTD HEX-HD CAP -2- WASHER, 5/16 CD OR ZN-PLTD MED LOCK -2-
7	9	410 978	ELBOW, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE
8		383 940 R11	TUBE ASSY, 9 GPM PRESSURE DIVERTER V END -ORDER 483 144 R11-
8		483 144 R11	TUBE ASSY, 9 GPM PRESSURE DIVERTER END
9		383 936 R11	TUBE ASSY, 9 GPM PRESSURE CENTER

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS -FOR 3414 LOADER -CONTINUED TRACTOR W/HYDRAULIC LIFT & AUXILIARY VALVE

10		383 937 R92	TUBE ASSY, 9 GPM PRESSURE PUMP END
		138 203	SCREW, 1/4-20 X 1-1/4 HEX-SOC-HD CAP -4-
			WASHER, 1/4 CD OR ZN-PLTD MED LOCK -4-
11		352 221 R1	O-RING, 9/16 X 3/4 X 3/32
12		383 939 R11	TUBE ASSY, POWER STEERING DIVERTING VALVE -ORDER 483 143 R11-
12		483 143 R11	TUBE ASSY, POWER STEERING DIVERTER VALVE
13	9	402 944	UNION, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE
14		383 938 R11	TUBE ASSY, POWER STEERING FLOW DIVIDER
15		296 247 R1	O-RING, 1.171 X .116 -3-
16	9	410 207	CONNECTOR, 1-5/16-12 CD OR ZN-PLTD FLARED TUBE SWIVEL

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -FOR 3414 LOADER -CONTINUED TRACTOR W/HYDRAULIC LIFT & AUXILIARY VALVE	
17	383 051 R11	TUBE ASSY, RETURN FRONT	
18	39 128 H	CLAMP, HOSE -2-	
19	380 521 R1	HOSE, 1 X 3 IN.	
20	381 778 R11	TUBE ASSY, RETURN	
21	9 411 135	TEE, 1-5/16-12 CD OR ZN-PLTD FLARED TUBE 90 DEG ADJ	
22	381 777 R1	PLUG, LIFT RETURN	
23	382 781 R1	O-RING, 1-3/4 X 1-15/16 X 3/32	
24	470 583 R1	PLUG, POWER BEYOND -2-	
25	470 584 R1	WASHER, BACK-UP -2-	
26	470 585 R1	O-RING, 1/2 X 11/16 X 3/32 -2-	
27	382 137 R1	O-RING, 1 X 1-3/16 X 3/32 -2-	
28	469 783 R11	TUBE ASSY, LOADER VALVE TO AUXILIARY VALVE SCREW, 3/8-16 X 1-1/8 CD OR ZN-PLTD HEX-HD CAP -2- WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2-	
29	471 116 R11	TUBE ASSY, AUXILIARY VALVE RETURN	
30	383 121 R11	TUBE ASSY, PRESSURE AUXILIARY TO BACKHOE SCREW, 3/8-16 X 1-1/8 CD OR ZN-PLTD HEX-HD CAP -2- WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2-	
31	9 410 206	CONNECTOR, 1-3/16-12 CD OR ZN-PLTD FLARED TUBE	
32	297 459 R1	O-RING, 1.048 X .116	
33	381 143 R1	COVER, PRESSURE END SCREW, 3/8-16 X 1 HEX-HD CAP -3-	
	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32	
	381 884 R1	O-RING, 1 X 1-3/16 X 3/32 -2-	
34	383 271 R91	VALVE ASSY, CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF VALVES-	
	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32	
	381 884 R1	O-RING, 1 X 1-3/16 X 3/32	
35	469 782 R3	COVER, CONVERTIBLE END	
	381 784 R1	SCREW, 3/8-16 X 3-3/8 HEX-HD CAP -2-	
	381 783 R1	SCREW, 3/8-16 X 3-7/8 HEX-HD CAP	
36	9 411 122	TEE, 1-5/16-12 CD OR ZN-PLTD FLARED TUBE ADJ	
	9 410 285	ELBOW, 1-5/16-12 CD OR ZN-PLTD FLARED TUBE 90 DEG SWIVEL	
37	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32	
38	378 985 R2	WASHER, BACKUP	
39	383 219 R1	O-RING, 15/16 X 1-1/8 X 3-32	
40	378 899 R1	PLUG, RELIEF VALVE CHAMBER	
41	383 942 R91	HOSE ASSY, 17 GPM PUMP PRESSURE	
42	469 785 R1	UNION, 1-5/16 X 1-3/16 REDUCING	
43	383 941 R91	HOSE ASSY, BACKHOE RETURN	

3130 BACKHOE -40- SECTION 8

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -FOR 3414 LOADER -CONTINUED TRACTOR W/HYDRAULIC LIFT & AUXILIARY VALVE	
44	369 758 R1	CLAMP, TUBE -2- NUT, 5/16-18 CD OR ZN-PLTD HEX. SCREW, 5/16-18 X 1-1/2 CD OR ZN-PLTD HEX-HD CAP	
	138 538	WASHER, 5/16 CD OR ZN-PLTD INT-TOOTH LOCK	
45	383 122 R1	CLAMP, LOADER VALVE TO AUXILIARY VALVE TUBE	
46	384 291 R1	CLAMP, RETURN TUBE SCREW, 3/8-16 X 1-1/8 HEX-HD CAP	
47	444 044	ELBOW, 1/2-14 AUTO. 90 DEG STREET -USED ONLY WITH TRACTORS HAVING TANDEM HYDRAULIC PUMPS-	
48	470 818 R91	HOSE ASSY, ISOLATER VALVE TO BACKHOE TUBING -USED ONLY WITH TRACTORS HAVING TANDEM HYDRAULIC PUMPS-	

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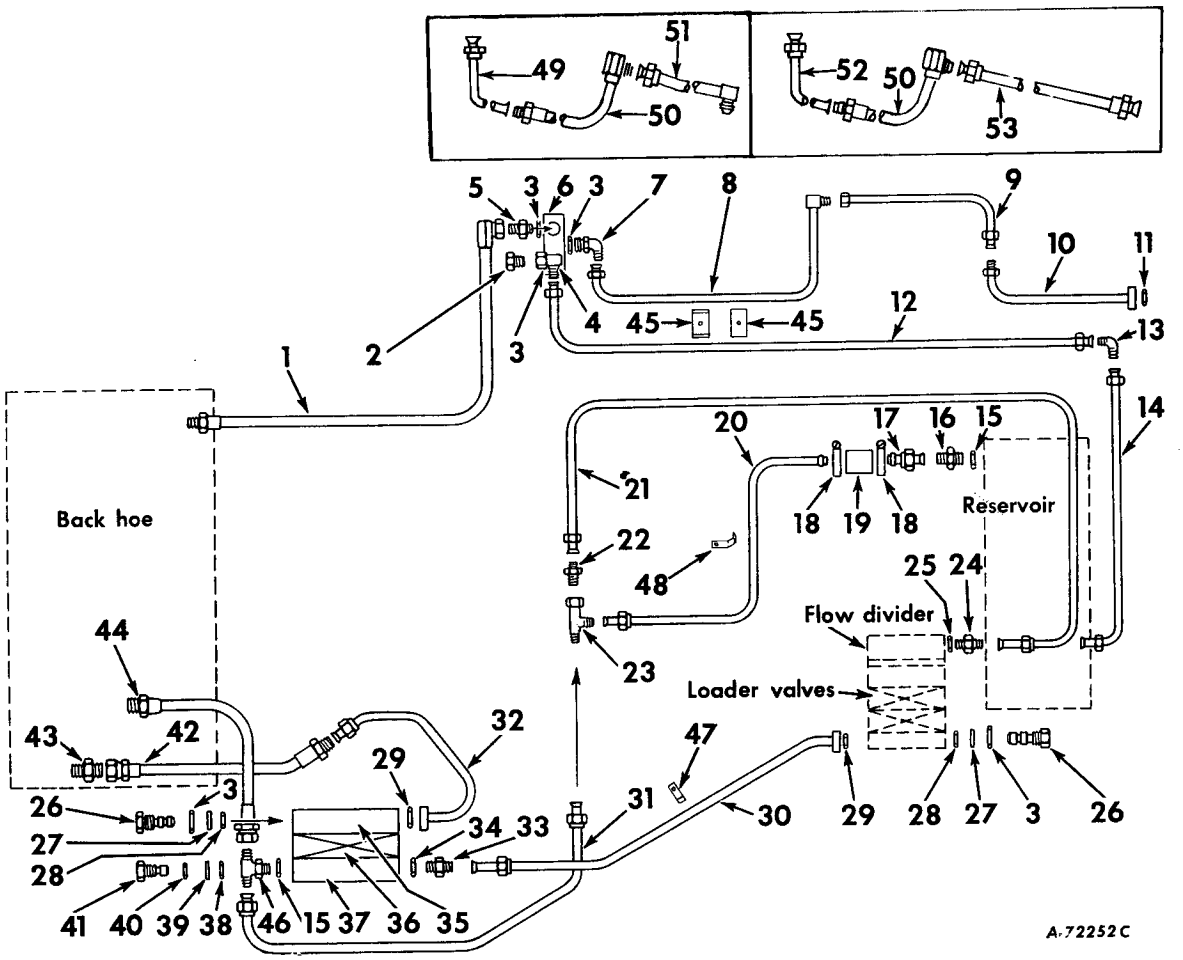
HYDRAULIC CONNECTIONS
-FOR 3414 LOADER TRACTOR W/AUXILIARY VALVE

-41- SECTION B
3130 BACKHOE
BKH-1

HYDRAULIC CONNECTIONS -CONTINUED
-FOR 3414 LOADER TRACTOR W/AUXILIARY VALVE



REF. NO.	PART NUMBER	DESCRIPTION
1	469 731 R91	HOSE ASSY, 1/2 X 24 IN. PRESSURE
2	9 403 334	PLUG, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE
3	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -5-
4	383 943 R91	ELBOW W/SWIVEL, 90 DEG SIDE OUTLET
5	9 410 204	CONNECTOR, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE SHORT SWIVEL
6	389 251 R91	VALVE ASSY, DIVERTER -OPTIONAL WITH 383 946 R91-
6	383 946 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF VALVES- NUT, 5/16-18 CD OR ZN-PLTD HEX. -2- SCREW, 5/16-18 X 1-3/4 CD OR ZN-PLTD HEX-HD CAP -2- WASHER, 5/16 CD OR ZN-PLTD MED LOCK -2-
7	9 410 978	ELBOW, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE
8	383 940 R11	TUBE ASSY, 9 GPM PRESSURE DIVERTER V END -ORDER 483 144 R11- -FOR TRACTORS W/O TORQUE CONVERTER ATTACHMENT-
8	483 144 R11	TUBE ASSY, 9 GPM PRESSURE DIVERTER END
9	383 936 R11	TUBE ASSY, 9 GPM PRESSURE CENTER
10	383 937 R92	TUBE ASSY, 9 GPM PRESSURE PUMP END
	138 203	SCREW, 1/4-20 X 1-1/4 HEX-SOC-HD CAP -4-
		WASHER, 1/4 CD OR ZN-PLTD MED LOCK -4-
11	352 221 R1	O-RING, 9/16 X 3/4 X 3/32
12	383 939 R11	TUBE ASSY, POWER STEERING DIVERTING VALVE -ORDER 483 143 R11- -FOR TRACTORS W/O TORQUE CONVERTER ATTACHMENT-
12	483 143 R11	TUBE ASSY, POWER STEERING DIVERTER VALVE
13	9 402 944	UNION, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE

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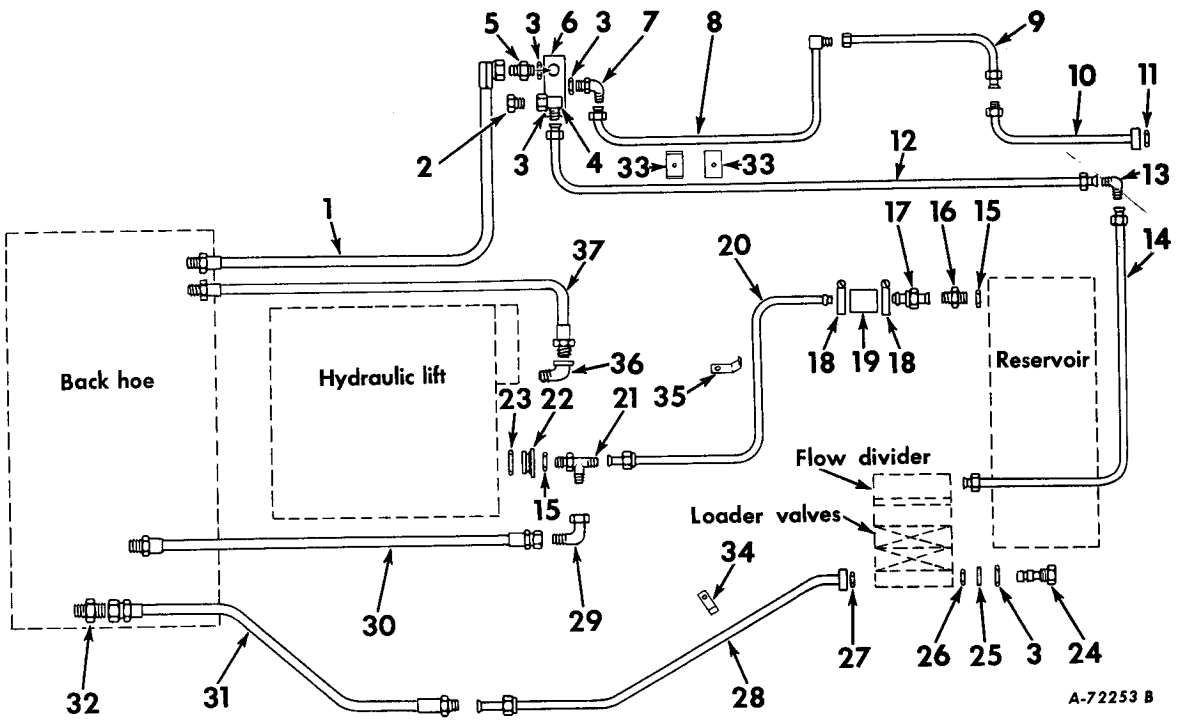
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -CONTINUED -FOR 3414 LOADER TRACTOR W/AUXILIARY VALVE	
14	383 938 R11	TUBE ASSY, POWER STEERING FLOW DIVIDER -FOR TRACTORS W/O TORQUE CONVERTER ATTACHMENT-	
14	391 998 R11	PIPE ASSY, RETURN TO FLOW DIVIDER -FOR TRACTORS W/TORQUE CONVERTER-	
15	296 247 R1	O-RING, 1.171 X .116 -2-	
16	9 410 207	CONNECTOR, 1-5/16-12 CD OR ZN-PLTD FLARED TUBE SWIVEL	
17	383 051 R11	TUBE ASSY, RETURN FRONT	
18	39 128 H	CLAMP, HOSE -2-	
19	380 521 R1	HOSE, 1 X 3 IN.	
20	381 778 R11	TUBE ASSY, RETURN	
21	381 779 R11	TUBE ASSY, FLOW DIVIDER EXCESS	
22	381 785 R1	CONNECTOR, TUBE REDUCING	
23	9 410 337	TEE, 1-5/16-12 CD OR ZN-PLTD FLARED TUBE	
24	380 632 R1	CONNECTOR, REDUCING	
25	368 269 R1	O-RING, .924 X .116	
26	470 583 R1	PLUG, POWER BEYOND	
27	470 584 R1	WASHER, BACKUP -2-	
28	470 585 R1	O-RING, 1/2 X 11/16 X 3/32 -2-	
29	382 137 R1	O-RING, 1 X 1-3/16 X 3/32 -2-	
30	469 783 R21	TUBE ASSY, LOADER VALVE TO AUXILIARY VALVE	
		SCREW, 3/8-16 X 1-1/8 CD OR ZN-PLTD HEX-HD CAP -2-	
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2-	
31	471 116 R11	TUBE ASSY, AUXILIARY VALVE RETURN	
32	383 121 R21	TUBE ASSY, PRESSURE AUXILIARY TO BACKHOE	
		SCREW, 3/8-16 X 1-1/8 CD OR ZN-PLTD HEX-HD CAP -2-	
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2-	
33	9 410 206	CONNECTOR, 1-3/16-12 37 DEG CD OR ZN-PLTD HYD FLARED TUBE SWIVEL	
34	297 459 R1	O-RING, 1.048 X .116	
35	469 782 R3	COVER, CONVERTIBLE END	
	381 784 R1	SCREW, 3/8-16 X 3-3/8 HEX-HD CAP -2-	
	381 783 R1	SCREW, 3/8-16 X 3-7/8 HEX-HD CAP	
36	383 271 R92	VALVE ASSY, CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF VALVES-	
	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32	
	381 884 R1	O-RING, 1 X 1-3/16 X 3/32	
37	381 143 R1	COVER, PRESSURE END	
		SCREW, 3/8-16 X 1 HEX-HD CAP -3-	
	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32	
	381 884 R1	O-RING, 1 X 1-3/16 X 3/32 -2-	
38	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32	
39	378 985 R2	WASHER, BACK-UP	
40	383 219 R1	O-RING, 15/16 X 1-1/8 X 3/32	
41	378 899 R1	PLUG, RELIEF VALVE CHAMBER	
42	383 942 R91	HOSE ASSY, 17 GPM PUMP PRESSURE	

3130 BACKHOE -42- SECTION B

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -CONTINUED -FOR 3414 LOADER TRACTOR W/AUXILIARY VALVE	
43	469 785 R1	UNION, 1-5/16 X 1-3/16 REDUCING	
44	383 941 R91	HOSE ASSY, BACKHOE RETURN	
45	369 758 R1	CLAMP, TUBE -2-	
		NUT, 5/16-18 CD OR ZN-PLTD HEX.	
		SCREW, 5/16-18 X 1-1/2 CD OR ZN-PLTD HEX-HD CAP	
	138 538	WASHER, 5/16 CD OR ZN-PLTD EXTERNAL TOOTH LOCK	
46	9 411 122	TEE, 1-5/16-12 CD OR ZN-PLTD TUBE ADJUSTABLE	
47	383 122 R1	CLAMP, LOADER VALVE TO AUXILIARY VALVE TUBE	
48	384 291 R1	CLAMP, RETURN TUBE	
		SCREW, 3/8-16 X 1-1/8 HEX-HD CAP	
49	391 980 R11	PIPE ASSY, PUMP TO DIVERTER VALVE FRONT -ORDER 483 144 R11-	
49	483 144 R11	TUBE ASSY, PUMP TO DIVERTER VALVE FRONT -FOR TRACTORS W/TORQUE CONVERTER-	
50	380 025 R91	HOSE ASSY, BUCKET -2- -FOR TRACTORS W/TORQUE CONVERTER-	
51	391 981 R11	PIPE ASSY, PUMP TO DIVERTER VALVE REAR -ORDER 483 144 R11- -FOR TRACTORS W/TORQUE CONVERTER-	
51	483 144 R11	PIPE ASSY, PUMP TO DIVERTER VALVE REAR	
52	391 978 R11	PIPE ASSY, DIVERTER VALVE TO FLOW DIVIDER FRONT -ORDER 483 143 R11- -FOR TRACTORS W/TORQUE CONVERTER-	
52	483 143 R11	PIPE ASSY, DIVERTER VALVE TO FLOW DIVERTER FRONT	
53	391 979 R11	PIPE ASSY, DIVERTER VALVE TO FLOW DIVIDER REAR -ORDER 483 143 R11- -FOR TRACTORS W/TORQUE CONVERTER-	
53	483 143 R11	PIPE ASSY, DIVERTER VALVE TO FLOW DIVERTER REAR	

HYDRAULIC CONNECTIONS -FOR 3414 LOADER AND DOZER TRACTOR W/HYDRAULIC LIFT-



1	469 731 R91	HOSE ASSY, 1/2 X 24 IN. PRESSURE
2	9 403 334	PLUG, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE
3	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -5-
4	383 943 R91	ELBOW W/SWIVEL, 90 DEG SIDE OUTLET
5	9 410 204	CONNECTOR, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE SHORT SWIVEL
6	389 251 R91	VALVE ASSY, DIVERTER -OPTIONAL WITH 383 946 R91-
6	383 946 R91	VALVE ASSY, DIVERTER NUT, 5/16-18 CD OR ZN-PLTD HEX. -2- SCREW, 5/16-18 X 1-3/4 CD OR ZN-PLTD HEX-HD CAP -2- WASHER, 5/16 CD OR ZN-PLTD MED LOCK -2-
7	9 410 978	ELBOW, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE
8	383 940 R11	TUBE ASSY, 9 GPM PRESSURE DIVERTER V END -ORDER 483 144 R11-
8	483 144 R11	TUBE ASSY, 9 GPM PRESSURE DIVERTER END
9	383 936 R11	TUBE ASSY, 9 GPM PRESSURE CENTER
10	383 937 R92 138 203	TUBE ASSY, 9 GPM PRESSURE PUMP END SCREW, 1/4-20 X 1-1/4 HEX-SOC-HD CAP -4- WASHER, 1/4 CD OR ZN-PLTD MED LOCK -4-
11	352 221 R1	O-RING, 9/16 X 3/4 X 3/32

HYDRAULIC CONNECTIONS -FOR 3414 LOADER AND DOZER TRACTOR W/HYDRAULIC LIFT- -CONTINUED

12	383 939 R11	TUBE, POWER STEERING DIVERTING VALVE -ORDER 483 143 R11-
12	483 143 R11	TUBE ASSY. POWER STEERING DIVERTER
13	9 402 944	UNION, 7/8-14 37 DEG FLARED TUBE
14	383 938 R11	TUBE ASSY. POWER STEERING FLOW DIVIDER
15	296 247 R1	O-RING, 1.171 X .116 -2-
16	9 410 207	CONNECTOR, 1-5/16-12 CD OR ZN-PLTD FLARED TUBE SWIVEL
17	383 051 R11	TUBE ASSY. RETURN FRONT
18	39 128 H	CLAMP, HOSE -2-
19	380 521 R1	HOSE, 1 X 3 IN.
20	381 778 R11	TUBE ASSY. RETURN
21	9 411 135	TEE, 1-5/16-12 CD OR ZN-PLTD FLARED TUBE 90 DEG ADJ
22	381 777 R1	PLUG, LIFT RETURN
23	382 781 R1	O-RING, 1-3/4 X 1-15/16 X 3/32
24	470 583 R1	PLUG, POWER BEYOND -2-
25	470 584 R1	WASHER, BACK-UP -2-
26	470 585 R1	O-RING, 1/2 X 11/16 X 3/32
27	382 137 R1	O-RING, 1 X 1-3/16 X 3/32

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -FOR 3414 LOADER AND DOZER TRACTOR W/HYDRAULIC LIFT- -CONTINUED	
28	479 811 R11	TUBE ASSY, DOZER VALVE TO AUXILIARY VALVE -FOR 3414 DOZER-	
28	469 783 R21	TUBE ASSY, LOADER VALVE TO AUXILIARY VALVE -FOR 3414 LOADER-	
		SCREW, 3/8-16 X 1-1/8 CD OR ZN-PLTD HEX-HD CAP -2-	
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2-	
29	9 410 285	ELBOW, 1-5/16-12 CD OR ZN-PLTD FLARED TUBE 90 DEG SWIVEL	
30	383 941 R91	HOSE ASSY, BACKHOE RETURN	
31	383 942 R91	HOSE ASSY, 17 GPM PUMP PRESSURE	
32	469 785 R1	UNION, 1-5/16 X 1-3/16 REDUCING	
33	369 758 R1	CLAMP, TUBE -2-	
		NUT, 5/16-18 CD OR ZN-PLTD HEX.	
		SCREW, 5/16 X 1-1/2 CD OR ZN-PLTD HEX-HD CAP	
	138 538	WASHER, 5/16 CD OR ZN-PLTD EXTERNAL TOOTH LOCK	
34	383 122 R1	CLAMP, LOADER VALVE TO AUXILIARY VALVE TUBE	
35	384 291 R1	CLAMP, RETURN TUBE	
		SCREW, 3/8-16 X 1-1/8 HEX-HD CAP	
36	444 044	ELBOW, 1/2-14 AUTO. 90 DEG BRS STREET -USED ONLY WITH TRACTORS HAVING TANDEM HYDRAULIC PUMPS-	
37	470 818 R91	HOSE ASSY, ISOLATER VALVE TO BACKHOE TUBING -USED ONLY WITH TRACTORS HAVING TANDEM HYDRAULIC PUMPS-	

3130 BACKHOE -44- SECTION B

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

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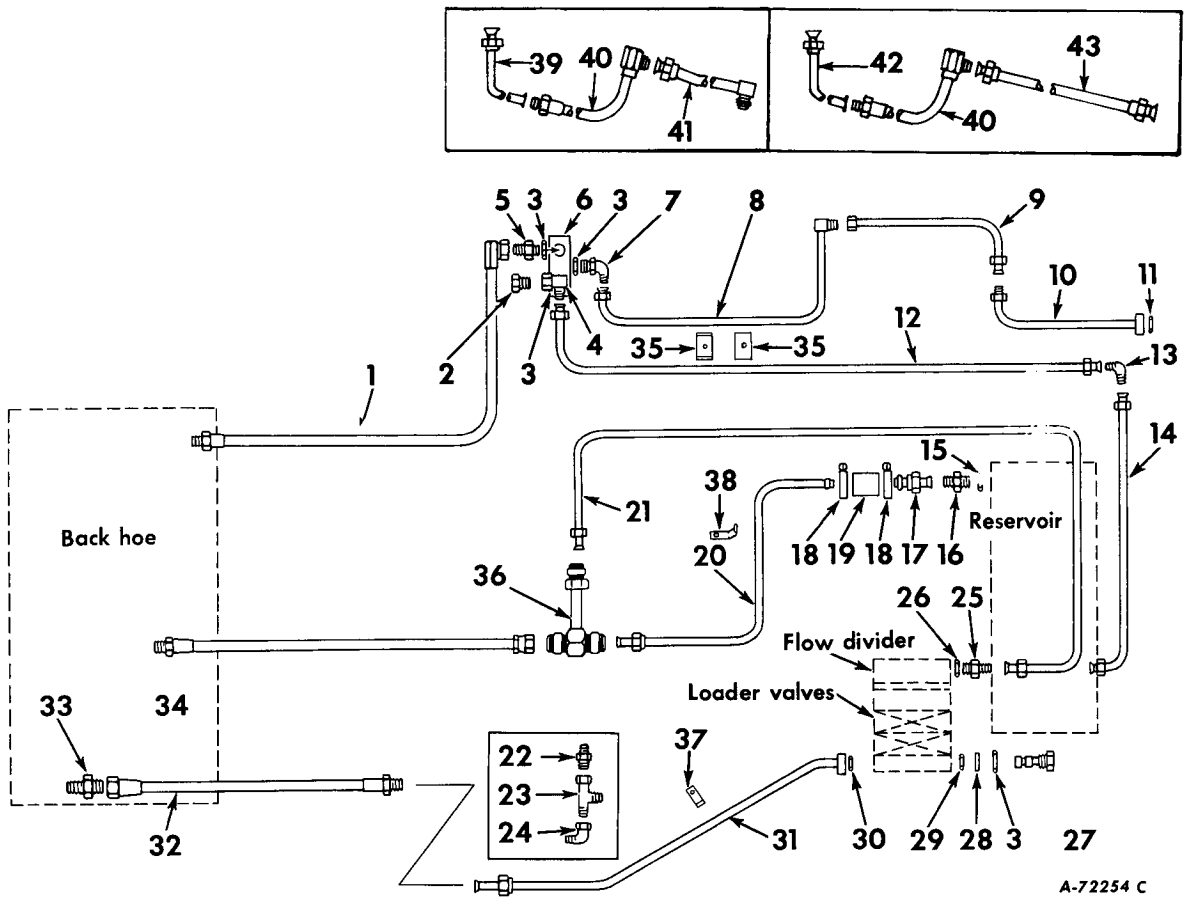
HYDRAULIC CONNECTION -FOR 3414 LOADER & DOZER TRACTOR W/O HYD LIFT AND AUX VALVE-



REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
1	469 731 R91	HOSE ASSY, 1/2 X 24 IN. PRESSURE	
2	9 403 334	PLUG, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE	
3	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -4-	
4	383 943 R91	ELBOW W/SWIVEL, 90 DEG SIDE OUTLET	
5	9 410 204	CONNECTOR, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE SHORT SWIVEL	
6	389 251 R91	VALVE ASSY, DIVERTER -OPTIONAL WITH 383 946 R91-	
6	383 946 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF VALVES-	
		NUT, 5/16-18 CD OR ZN-PLTD HEX. -2-	
		SCREW, 5/16-18 X 1-3/4 CD OR ZN-PLTD CAP -2-	
		WASHER, 5/16 CD OR ZN-PLTD MED LOCK -2-	
7	9 410 978	ELBOW, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE	
8	383 940 R11	TUBE ASSY, 9 GPM PRESSURE DIVERTER V END -ORDER 483 144 R11- -FOR TRACTORS W/O TORQUE CONVERTER ATTACHMENT-	

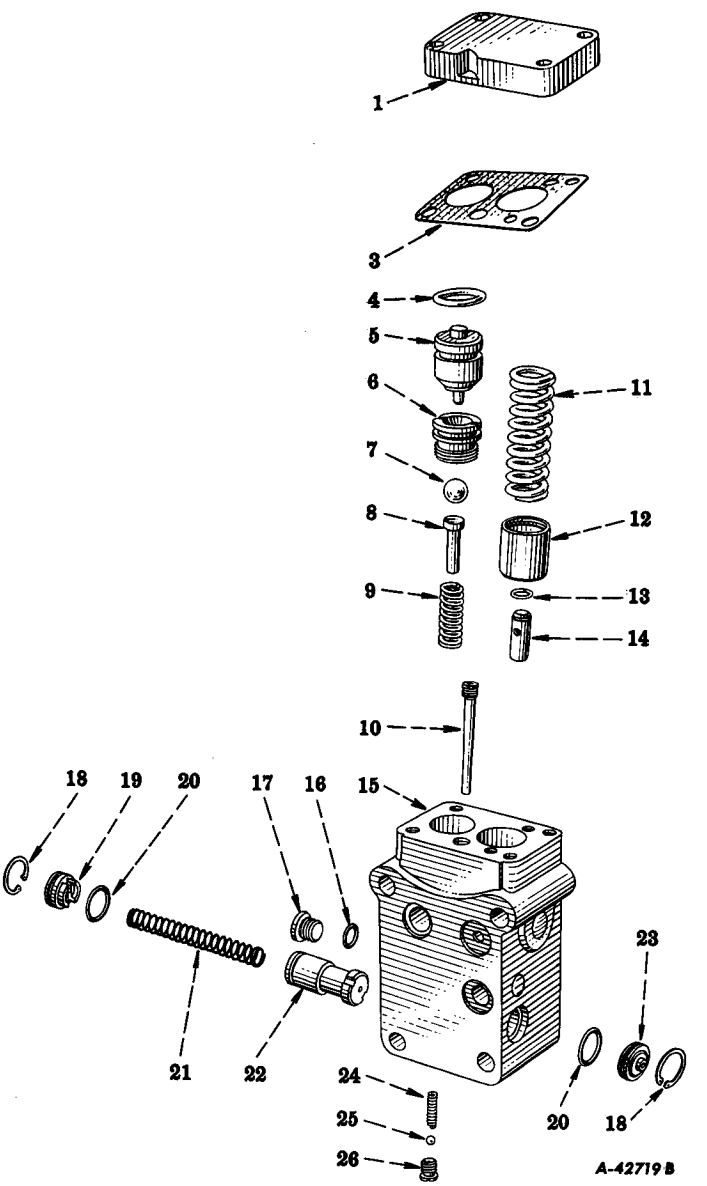
HYDRAULIC CONNECTION -FOR 3414 LOADER & DOZER TRACTOR W/O HYD LIFT AND AUX VALVE- -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
8	483 144 R11	TUBE ASSY, 9 GPM PRESSURE DIVERTER END	
9	383 936 R11	TUBE ASSY, 9 GPM PRESSURE CENTER	
10	383 937 R91	TUBE ASSY, 9 GPM PRESSURE PUMP END	
	138 203	SCREW, 1/4-20 X 1-1/4 HEX-SOC-HD CAP -4-	
		WASHER, 1/4 CD OR ZN-PLTD LOCK -4-	
11	352 221 R1	O-RING, 9/16 X 3/4 X 3/32	
12	383 939 R11	TUBE ASSY, POWER STEERING DIVERTING VALVE -ORDER 483 143 R11- -FOR TRACTORS W/O TORQUE CONVERTER ATTACHMENT-	
12	483 143 R11	TUBE ASSY, POWER STEERING DIVERTER VALVE	
13	9 402 944	UNION, 7/8-14 37 DEG C-Z FLARED TUBE	
14	383 938 R11	TUBE ASSY, POWER STEERING FLOW DIVIDER -FOR TRACTORS W/O TORQUE CONVERTER ATTACHMENT-	
14	391 998 R11	PIPE ASSY, RETURN TO FLOW DIVIDER -FOR TRACTORS W/TORQUE CONVERTER-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTION -FOR 3414 LOADER & DOZER TRACTOR W/O HYD LIFT AND AUX VALVE- -CONTINUED	
15	296 247 R1	O-RING, 1.171 X .116	
16	9 410 207	CONNECTOR, 1-5/16-12 CD OR ZN-PLTD FLARED TUBE SWIVEL	
17	383 051 R11	TUBE ASSY, RETURN FRONT	
18	39 128 H	CLAMP, HOSE -2-	
19	380 521 R1	HOSE, 1 X 3 IN.	
20	381 778 R11	TUBE ASSY, RETURN	
21	381 779 R21	TUBE ASSY, FLOW DIVIDER EXCESS	
22	381 785 R1	CONNECTOR, 1 TO 1/2 IN. TUBE REDUCING -ORDER 385 125 R91-	
23	9 410 337	TEE, 1-5/16-12 CD OR ZN-PLTD FLARED TUBE -ORDER 385 125 R91-	
24	9 410 285	ELBOW, 1-5/16-12 CD OR ZN-PLTD FLARED TUBE 90 DEG SWIVEL -ORDER 385 125 R91-	
25	380 632 R1	CONNECTOR, REDUCING	
26	368 269 R1	O-RING, .924 X .116	
27	470 583 R1	PLUG, POWER BEYOND	
28	470 584 R1	WASHER, BACK-UP	
29	470 585 R1	O-RING, 1/2 X 11/16 X 3/32	
30	382 137 R1	O-RING, 1 X 3/16 X 3/32	
31	479 811 R11	TUBE ASSY, DOZER VALVE TO AUXILIARY VALVE -FOR 3414 DOZER-	
31	469 783 R11	TUBE ASSY, LOADER VALVE TO AUXILIARY VALVE -FOR 3414 LOADER-	
		SCREW, 3/8-16 X 1-1/8 CD OR ZN-PLTD HEX-HD CAP -2-	
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2-	
32	383 942 R91	HOSE ASSY, 17 GPM PUMP PRESSURE	
33	469 785 R1	UNION ASSY, 1 X 26 IN. BACKHOE TO TEE	
34	383 941 R91	HOSE ASSY, BACKHOE RETURN	
35	369 758 R1	CLAMP, TUBE -2-	
		NUT, 5/16-18 CD OR ZN-PLTD HEX.	
		SCREW, 5/16-18 X 1-1/2 CD OR ZN-PLTD HEX-HD CAP	
	138 538	WASHER, 5/16 CD OR ZN-PLTD EXTERNAL TOOTH LOCK	
36	385 125 R91	FITTING, HYD 37 DEG FLARED TUBE	
37	383 122 R1	CLAMP, LOADER VALVE TO AUXILIARY VALVE TUBE	
38	384 291 R1	CLAMP, RETURN TUBE	
		SCREW, 3/8-16 X 1-1/8 HEX-HD CAP	
39	391 980 R11	PIPE ASSY, PUMP TO DIVERTER VALVE FRONT -ORDER 483 144 R11- -FOR TRACTORS W/TORQUE CONVERTER-	
39	483 144 R11	TUBE ASSY, PUMP TO DIVERTER VALVE FRONT	
40	380 025 R91	HOSE ASSY, BUCKET -2- -FOR TRACTORS W/TORQUE CONVERTER-	
41	391 981 R11	PIPE ASSY, PUMP TO DIVERTER VALVE REAR -ORDER 483 144 R11- -FOR TRACTORS W/TORQUE CONVERTER-	
41	483 144 R11	PIPE ASSY, PUMP TO DIVERTER VALVE REAR	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTION -FOR 3414 LOADER & DOZER TRACTOR W/O HYD LIFT AND AUX VALVE- -CONTINUED	
42	391 978 R11	PIPE ASSY, DIVERTER VALVE TO FLOW DIVIDER FRONT -ORDER 483 143 R11- -FOR TRACTORS W/TORQUE CONVERTER-	
42	483 143 R11	PIPE ASSY, DIVERTER VALVE TO FLOW DIVERTER FRONT	
43	391 979 R11	PIPE ASSY, DIVERTER VALVE TO FLOW DIVIDER REAR -ORDER 483 143 R11- -FOR TRACTORS W/TORQUE CONVERTER-	
43	483 143 R11	PIPE ASSY, DIVERTER VALVE TO FLOW DIVERTER REAR	

REGULATOR SAFETY AND FLOW CONTROL VALVE

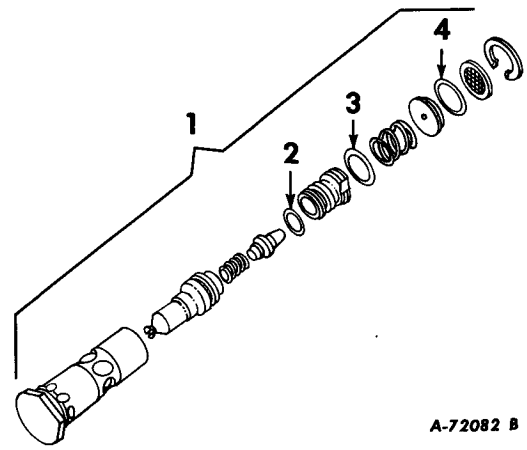


364 841 R96 VALVE ASSY, REGULATOR SAFETY AND FLOW CONTROL

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		REGULATOR SAFETY AND FLOW CONTROL VALVE -CONTINUED	
1	360 629 R21	COVER ASSY, REGULATOR SAFETY AND FLOW CONTROL VALVE HOUSING SCREW, 5/16-18 X 1-1/4 CD-PLTD HEX-HD CAP -4- WASHER, 5/16 CD-PLTD MED LOCK -4-	
2		NOT USED	
3	360 630 R1	GASKET, REGULATOR SAFETY AND FLOW CONTROL VALVE HOUSING COVER	
4	352 024 R2	O-RING, 55/64 X 1-1/8 X 9/64 -REGULATOR VALVE PISTON-	
5	366 638 R91	PISTON ASSY, REGULATOR VALVE	
6	366 665 R2	SEAT, REGULATOR VALVE -ALSO ORDER BALL, 17 015 R1-	
7	17 015 R1	BALL, 15/32 DIA. CR-PLTD STL	
8	350 084 R2	RIDER, REGULATOR VALVE BALL	
9	352 026 R2	SPRING, REGULATOR VALVE BALL RIDER	
10	370 766 R92	ORIFICE ASSY, SAFETY VALVE	
11	360 626 R2	SPRING, SAFETY VALVE	
12	360 627 R2	RETAINER, SAFETY VALVE SPRING	
13	354 854 R2	RING, SAFETY VALVE PISTON SNAP	
14	361 023 R1	PISTON, SAFETY VALVE	
15	364 842 R96	HOUSING ASSY, REGULATOR SAFETY AND FLOW CONTROL VALVE COMPOSED OF- $1 HOUSING 364 844 R4 $2 PLUG 360 623 R1 $1 PLUG 366 641 R1 1 PLUG 9 410 359 1 RING 570 828 R1 $1 VALVE 367 832 R2	
16	570 828 R1	O-RING, 41/64 X 13/16 X 5/64 -REGULATOR SAFETY AND FLOW CONTROL HOUSING PLUG - USED WITH PLUG, 9 410 359-	
17	9 410 359	PLUG, 3/4-16 REGULATOR SAFETY AND FLOW CONTROL VALVE HOUSING -USED WITH HOUSING, 364 844 R4-	
18	364 838 R1	RING, FLOW CONTROL VALVE SNAP -2-	
19	364 848 R11	RETAINER ASSY, FLOW CONTROL VALVE SPRING	
20	364 840 R1	O-RING, 13/16 X 15/16 X 1/16 -FLOW CONTROL VALVE SPRING RETAINER- -2-	
21	367 833 R1	SPRING, FLOW CONTROL VALVE	
22	377 204 R1	VALVE, FLOW CONTROL	
23	364 846 R1	RETAINER, FLOW CONTROL VALVE	
24	365 348 R1	SPRING, AUXILIARY SAFETY VALVE	
25	16 006 R1	BALL, 3/16 DIA. CR-PLTD STL	
26	365 347 R1	SEAT, AUXILIARY SAFETY VALVE	

3130 BACKHOE -47- SECTION B

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		PILOT RELIEF VALVE	



1	388 208 R91	VALVE ASSY, PILOT OPERATED RELIEF -2000 P.S.I.-	
2	359 158 R1	O-RING, 5/16 X 7/16 X 1/16 -BALL RIDER-	
3	379 181 R1	O-RING, 5/8 X 3/4 X 1/16 -VALVE SEAT-	
4	298 385 R1	O-RING, 11/16 X 13/16 X 1/16 -ORIFICE PLATE-	

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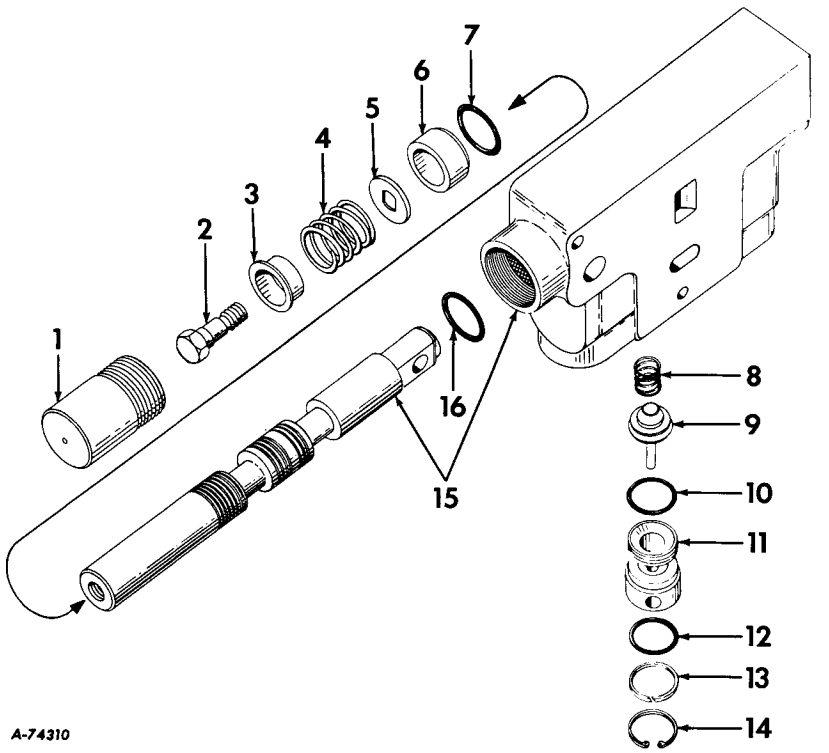
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

THREE POSTION SPRING CENTERED CONTROL VALVE



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	383 270 R92	VALVE ASSY, HYD CONTROL	
	383 271 R92	VALVE ASSY, HYD CONTROL	
1	384 287 R1	CAP, CENTERING SPRING	
2	384 288 R1	SCREW, CENTERING SPRING	
3	376 423 R1	RETAINER, CENTERING SPRING	
4	384 381 R1	SPRING, CENTERING	
5	376 421 R1	WASHER, CENTERING SPRING THICK	
6	382 852 R1	RETAINER, VALVE SPOOL O-RING	
7	253 070 R1	O-RING, 7/8 X 1-1/8 X 1/8 -CONTROL VALVE SPOOL UPPER-	
8	383 190 R1	SPRING, CHECK POPPET -FURNISH 395 278 R1-	
8	395 278 R1	SPRING, CHECK POPPET	
9	383 279 R11	POPPET, W/SEAL CHECK -FURNISH 395 277 R1 AND 359 278 R1-	
9	395 277 R1	POPPER W/SEAL, CHECK	
10	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32 -CHECK BALL RETAINER INNER-	
11	383 280 R1	RETAINER, CHECK BALL	
12	362 796 R1	O-RING, 15/16 X 1-1/8 X 3/32 -CHECK BALL RETAINER OUTER-	

3130 BACKHOE -48- SECTION B

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

THREE POSTION SPRING CENTERED CONTROL VALVE -CONTINUED

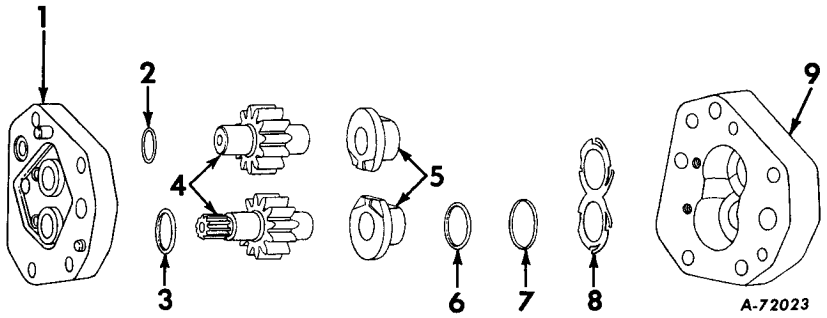
13	376 433 R1	WASHER, VALVE BODY PLUG O-RING BACK-UP
14	228 275 R1	RING, CHECK BALL RETAINER SNAP
15	382 850 R11	BODY ASSY, CONTROL VALVE -FOR 383 270 R91-
15	383 276 R91	BODY ASSY, CONTROL VALVE - FOR 383 271 R91
16	380 839 R1	O-RING, 7/8 X 1-1/16 X 3/32 -CONTROL VALVE SPOOL LOWER-
	383 548 R92	PACKAGE, OPEN CENTER CONTROL VALVE

CONSISTS OF-

1	O-RING	253 070 R1
1	O-RING	380 839 R1
1	O-RING	359 158 R1
1	O-RING	377 805 R1
1	O-RING	362 796 R1
1	O-RING	364 879 R1
1	PISTON, UNLATCHING	377 804 R1
1	POPPET ASSY	383 279 R11
1	RETAINER	382 852 R1
1	RETAINER	383 280 R1
1	RING, SNAP	228 275 R1
1	SPRING	383 190 R1
1	WASHER	376 433 R1

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC GEAR PUMP
-THOMPSON- -7 GPM-



	381 115 R92	PUMP ASSY, HYD GEAR -OPTIONAL WITH 381 116 R91-
1	383 201 R92	COVER ASSY, PUMP FRONT -NOTE-
2		O-RING, 9/16 X 11/16 -PUMP COVER PRESSURE -NOT SERVICED SEPARATELY -ORDER PACKAGE, 371 542 R92-
3		O-RING, PUMP COVER -NOT SERVICED SEPARATELY - ORDER PACKAGE 371 542 R92-
4	371 806 R91	PACKAGE, DRIVE AND DRIVEN GEAR -NOTE-
5	381 159 R91	PACKAGE, PRESSURE BEARING -NOTE-
6		O-RING, 7/8 X 1-1/16 X 3/32 -2- -OUTSIDE PRESSURE BEARING- -NOT SERVICED SEPARATELY ORDER PACKAGE, 371 542 R92-
7	373 182 R1	RETAINER, PRESSURE BEARING O-RING -USED WITH O-RING OUTSIDE BEARING -2-
8	371 531 R1	SPRING, PRESSURE PLATE
9		BODY, PUMP -NOT SERVICED SEPARATELY ORDER PUMP ASSY-
	371 542 R92	PACKAGE, HYD PUMP O-RING AND GASKET SERVICE

CONSISTS OF-

1	GASKET	371 543 R2
$2	O-RING	253 070 R1
2	O-RING	364 879 R1
$2	O-RING	371 544 R1
$1	O-RING	371 545 R1
$2	WASHER	368 635 R1

NOTE- FOR SERVICE REPLACEMENT ALSO ORDER O-RING AND GASKET PACKAGE, 371 542 R92.

3130 BACKHOE -49- SECTION B

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

HYDRAULIC GEAR PUMP -CONTINUED
-THOMPSON- -7 GPM-

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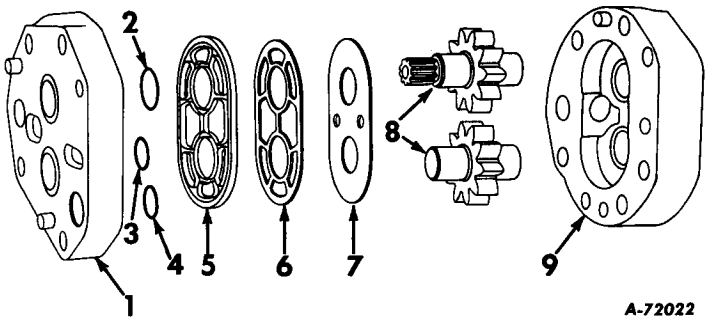
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC GEAR PUMP
-CESSNA- -7 GPM-



A-72022

	381 116 R91	PUMP ASSY, HYD GEAR -OPTIONAL WITH 381 115 R92-	
1	381 158 R91	COVER ASSY, PUMP FRONT -NOTE-	
2	574 069 R1	O-RING, 3/4 X 7/8 X 1/16 -PUMP COVER-	
3	370 920 R1	O-RING, 1/2 X 5/8 X 1/16 -PUMP COVER-	
4		O-RING, 9/16 X 11/16 X 1/16 -PUMP PRESSURE EXTERNAL -NOT SERVICED SEPARATELY - ORDER PACKAGE 381 154 R91-	
4		O-RING, 9/16 X 11/16 X 1/16 -PUMP PRESSURE INTERNAL -NOT SERVICED SEPARATELY - ORDER PACKAGE 381 154 R91-	
5		SEAL, DIAPHRAGM -NOT SERVICED SEPARATELY - ORDER PACKAGE	
6		GASKET, BACK-UP -NOT SERVICED 381 154 R91- SEPARATELY - ORDER PACKAGE 381 154 R91-	
7		DIAPHRAGM, PRESSURE -NOT SERVICED SEPARATELY - ORDER PACKAGE 381 154 R91-	
8	371 813 R91	PACKAGE, DRIVE AND DRIVEN GEAR -NOTE-	
9	381 160 R91	BODY W/BUSHINGS ASSY, PUMP -NOTE-	
	381 154 R91	PACKAGE, HYD PUMP O-RING AND GASKET SERVICE CONSISTS OF-	

$1	DIAPHRAGM	371 551 R1
1	GASKET	371 543 R2
$1	GASKET	371 553 R1
$1	GASKET	381 155 R1
1	O-RING	370 920 R1
$2	O-RING	371 544 R1
1	O-RING	574 069 R1
$1	SEAL	371 552 R1
1	WASHER	370 897 R1

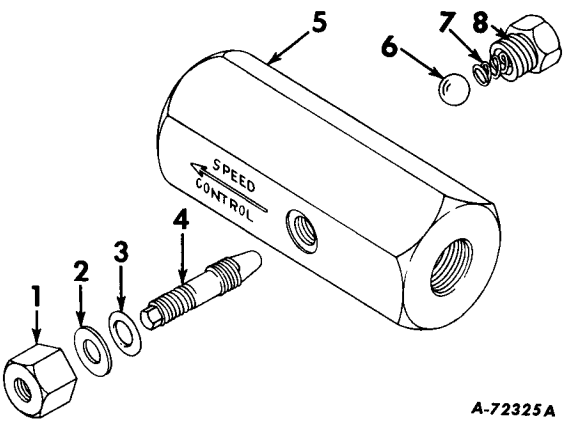
NOTE- FOR SERVICE REPLACEMENT ALSO ORDER O-RING AND GASKET PACKAGE, 381 154 R91.

3130 BACKHOE -50- SECTION B

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC GEAR PUMP -CONTINUED
-CESSNA- -7 GPM-

FLOW CONTROL VALVE

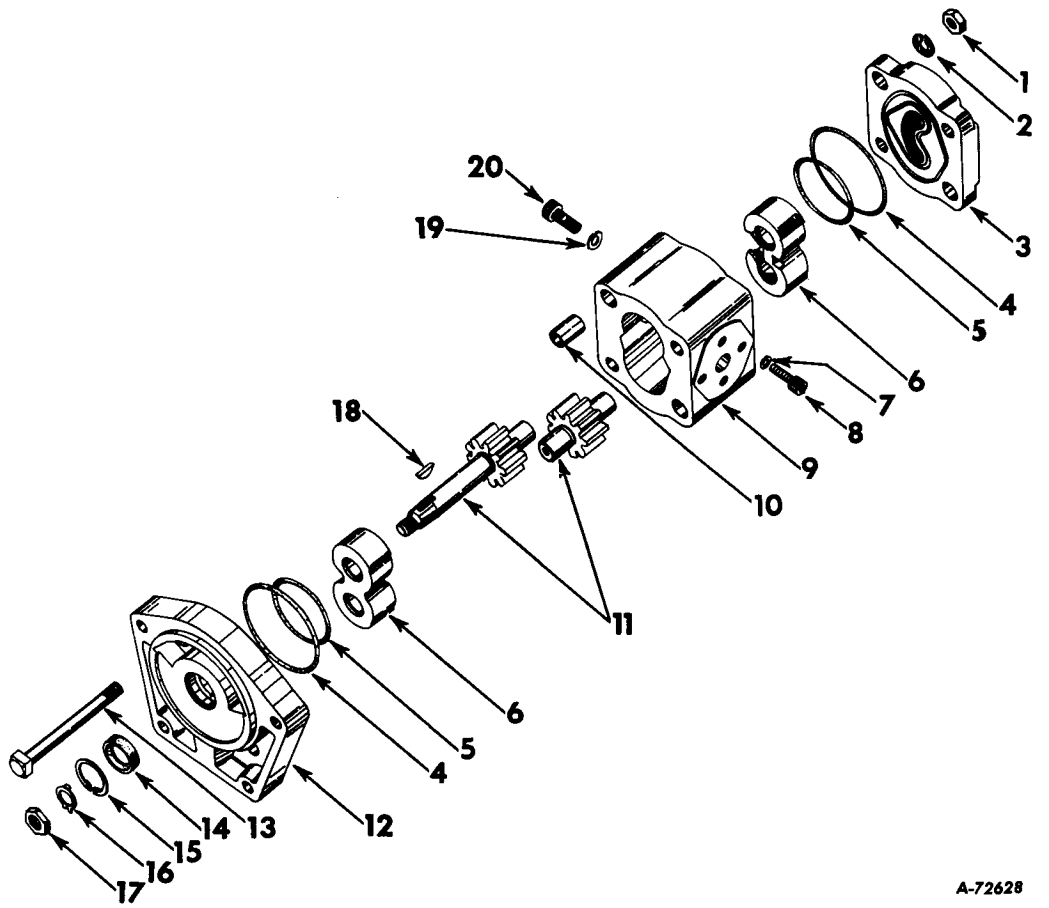


A-72325A

	470 776 R91	VALVE ASSY, FLOW CONTROL	
1	471 409 R1	NUT, LOCK	
2	471 408 R1	WASHER	
3	471 407 R1	RING, QUAD	
4	471 410 R1	SPOOL, NEEDLE CONTROL	
5		BODY, FLOW CONTROL VALVE -NOT SERVICED SEPARATELY, ORDER VALVE ASSY-	
6	518 474 R1	BALL, CHECK	
7	471 403 R1	SPRING	
8	471 404 R1	PLUG	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC PUMP
-DIESEL ENGINE TRACTOR-



REF. NO.	PART NUMBER	DESCRIPTION
	3 043 981 R93	PUMP ASSY, HYDRAULIC -9 GPM-
1	3 044 632 R1	NUT, 3/8-24 HEX. -4-
2	3 044 634 R1	WASHER, 3/8 LOCK -4-
3	3 044 628 R1	COVER, PUMP
4	3 044 623 R1	O-RING, FLANGE SEALING -2-
5	3 044 624 R1	O-RING, PRESSURE RELIEF -2-
6	3 049 628 R1	BEARING -2-
7	3 044 644 R1	WASHER, SPRING -2-
8	3 044 642 R1	SCREW, 1/4 X 3/4 ALLEN -2-
9	3 049 626 R1	BODY, PUMP
	364 879 R1	O-RING, MANIFOLD
	352 221 R1	O-RING, MANIFOLD
10	3 044 631 R1	DOWEL, HOLLOW -4-
11	3 049 627 R91	GEAR SET, PUMP DRIVE
12	708 395 R1	FLANGE, PUMP
13	3 049 625 R1	BOLT -4-
14	708 422 R91	SEAL, OIL

3130 BACKHOE -51- SECTION B

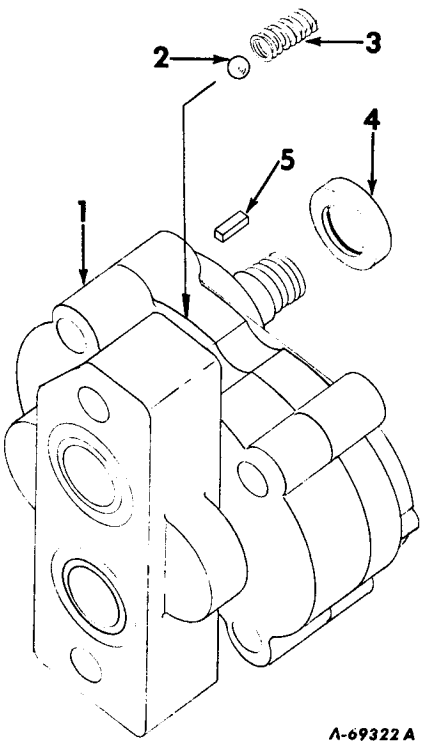
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC PUMP -CONTINUED
-DIESEL ENGINE TRACTOR-

REF. NO.	PART NUMBER	DESCRIPTION
15	3 044 626 R1	CIRCLIP
16	3 044 636 R1	WASHER, LOCK
17	3 044 638 R1	NUT, LOCK
18	3 044 637 R1	KEY, WOODRUFF
19	3 044 643 R1	WASHER, SPRING -2-
20	3 044 641 R1	SCREW, ALLEN -2-
	3 049 629 R91	PACKAGE, SEAL

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC PUMP -CESSNA-
-GASOLINE ENGINE TRACTORS-



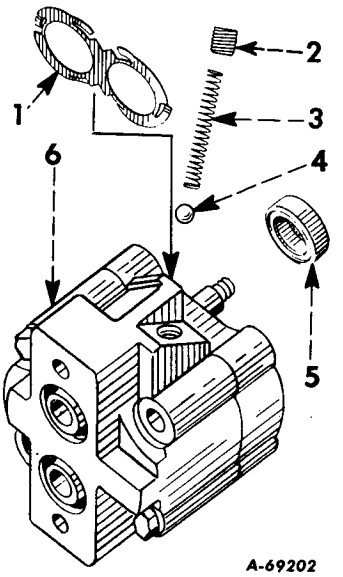
A-69322A

1	376 993 R92	PUMP ASSY, HYDRAULIC -9 GPM-	
		-OPTIONAL WITH 368 633 R91-	
		-COMPOSED OF	
		1 BALL	16 077 R1
		$1 HOUSING ASSY	
		1 OIL SEAL	381 001 R91
		1 SPRING	381 523 R1-
2	16 007 R1	BALL, 7/32 DIA. CR-PLTD-STL	
3	371 523 R1	SPRING, BALL CHECK	
4	381 001 R91	SEAL, PUMP SHAFT OIL	
5	384 507 R1	KEY, PUMP SHAFT	
6	381 002 R91	PACKAGE, HYD PUMP O-RING AND GASKET SERVICE	
		-COMPOSED OF	
		$1 DIAPHRAGM	381 003 R1
		$1 DIAPHRAGM	381 006 R1
		1 GASKET	350 708 R1
		$1 GASKET	614 751 R1
		$1 GASKET	381 005 R1
		1 OIL SEAL	381 001 R91
		2 O-RING	382 137 R1
		$1 SEAL	381 004 R1-

3130 BACKHOE -52- SECTION B

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC PUMP -THOMPSON-
-GASOLINE ENGINE TRACTOR-

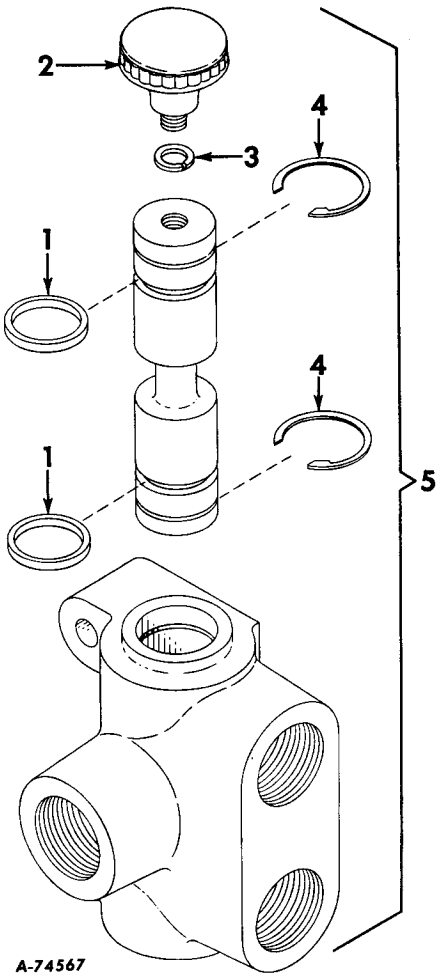


A-69202

1	361 629 R1	SPRING, PRESSURE PLATE	
2	362 336 R1	PLUG, BALL CHECK	
3	381 370 R1	SPRING, BALL CHECK	
4	16 011 R1	BALL, 11/32 DIA. CR-PLTD-STL	
5	381 369 R91	SEAL, PUMP SHAFT OIL	
6	368 633 R91	PUMP ASSY, HYDRAULIC -9 GPM-	
		-OPTIONAL WITH 376 933 R92-	
		-COMPOSED OF	
		1 BALL	16 011 R1
		$1 BODY ASSY	
		1 OIL SEAL	381 369 R91
		1 PLUG	362 336 R1
		$2 O-RING	253 070 R1
		$1 O-RING	293 726 R1
		2 RETAINER	373 182 R1
		1 SPRING	361 629 R1
		1 SPRING	381 370 R1
		$2 WASHER	368 635 R1-

BKH-1

DIVERTER VALVE -FOR INTERNATIONAL 340,460, 504,606,2424,2504 AND 2606 TRACTORS-



A-74567

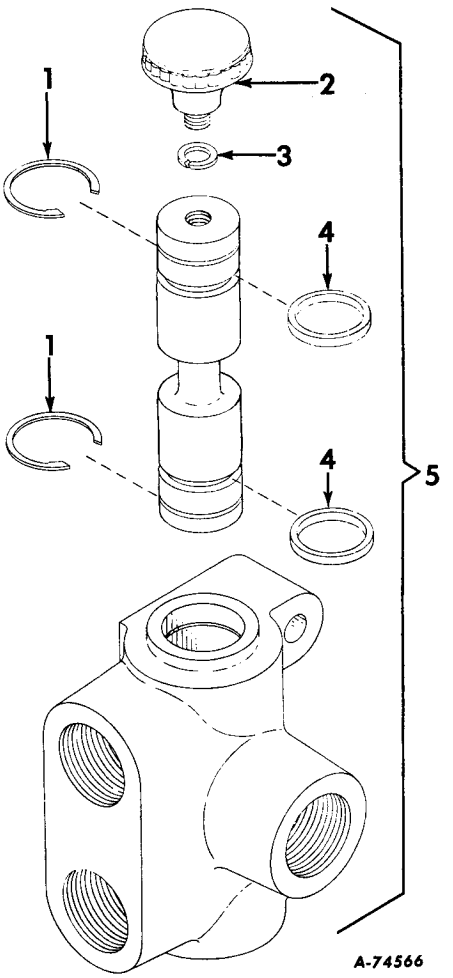
REF. NO.	PART NUMBER	DESCRIPTION
1	377 952 R1	O-RING, 9/16 X 3/4 X 3/32 -2-
2	384 283 R1	KNOB, CONTROL -NOTE A-
2	389 255 R1	KNOB, CONTROL -NOTE B-
3	120 381	WASHER, 3/8 CD OR ZN-PLTD LOCK
3	131 099	WASHER, 3/8 CD OR ZN-PLTD HV-LOCK -NOTE B-
4	661 652 R1	RING, SELECTOR VALVE RETAINING -2-
5	469 730 R91	VALVE ASSY, DIVERTER -NOTE A-
5	389 252 R91	VALVE ASSY, DIVERTER -NOTE B-

NOTE A -FOR SERVICE OR GRESEN DIVERTER VALVE-

NOTE B -FOR SERVICE OF IH MANUFACTURED DIVERTER VALVE-

BKH-1

DIVERTER VALVE -FOR 3414, 3514 AND 3616 LOADER TRACTOR-



A-74566

REF. NO.	PART NUMBER	DESCRIPTION
1	661 652 R1	RING, SELECTOR VALVE RETAINING -2-
2	384 283 R1	KNOB, CONTROL -NOTE A-
2	389 255 R1	KNOB, CONTROL -NOTE B-
3	120 381	WASHER, 3/8 CD OR ZN-PLTD LOCK -NOTE A-
3	131 099	WASHER, 3/8 CD OR ZN-PLTD HV-LOCK -NOTE B-
4	377 952 R1	O-RING, 9/16 X 3/4 X 3/32 -2-
5	383 946 R91	VALVE ASSY, DIVERTER -NOTE A-
5	389 251 R91	VALVE ASSY, DIVERTER -NOTE B-

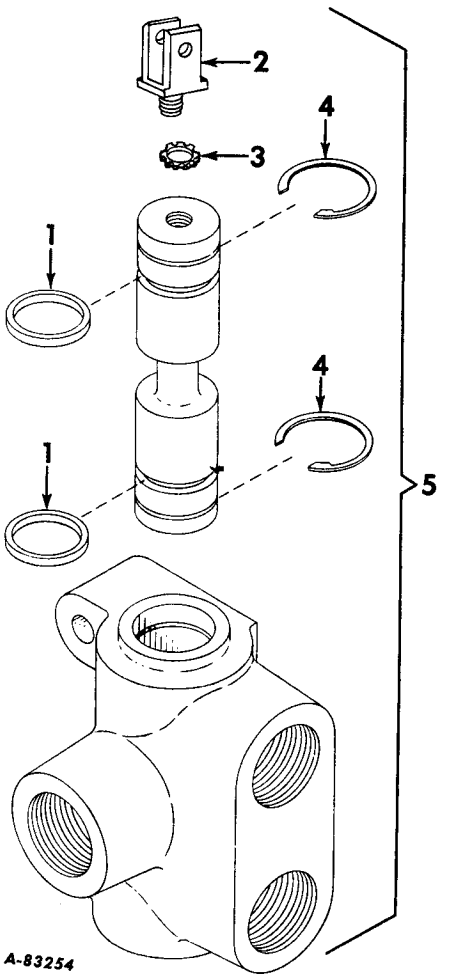
NOTE A -FOR SERVICE OF GRESEN DIVERTER VALVE-

15408 3

NOTE B -FOR SERVICE OF IH MANUFACTURED DIVERTER VALVE-

REF. NO.	PART NUMBER	DESCRIPTION	8KH-1

DIVERTER VALVE -FOR INTERNATIONAL 504 2504 606 2424 & 2606 TRACTOR- -1964 AND SINCE-

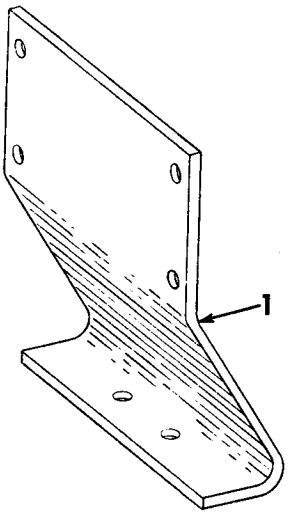


1	377 952 R1	O-RING, 9/16 X 3/4 X 3/32 -2-
2	669 547 R1	EXTENSION, VALVE LEVER
3	138 489	WASHER, 3/8 C-Z PLTD EXT-TOOTH
4	661 652 R1	RING, SELECTOR VALVE RETAINING -2-
5	478 887 R91	VALVE ASSY, DIVERTER

3130 BACKHOE -54- SECTION 8

REF. NO.	PART NUMBER	DESCRIPTION	8KH-1

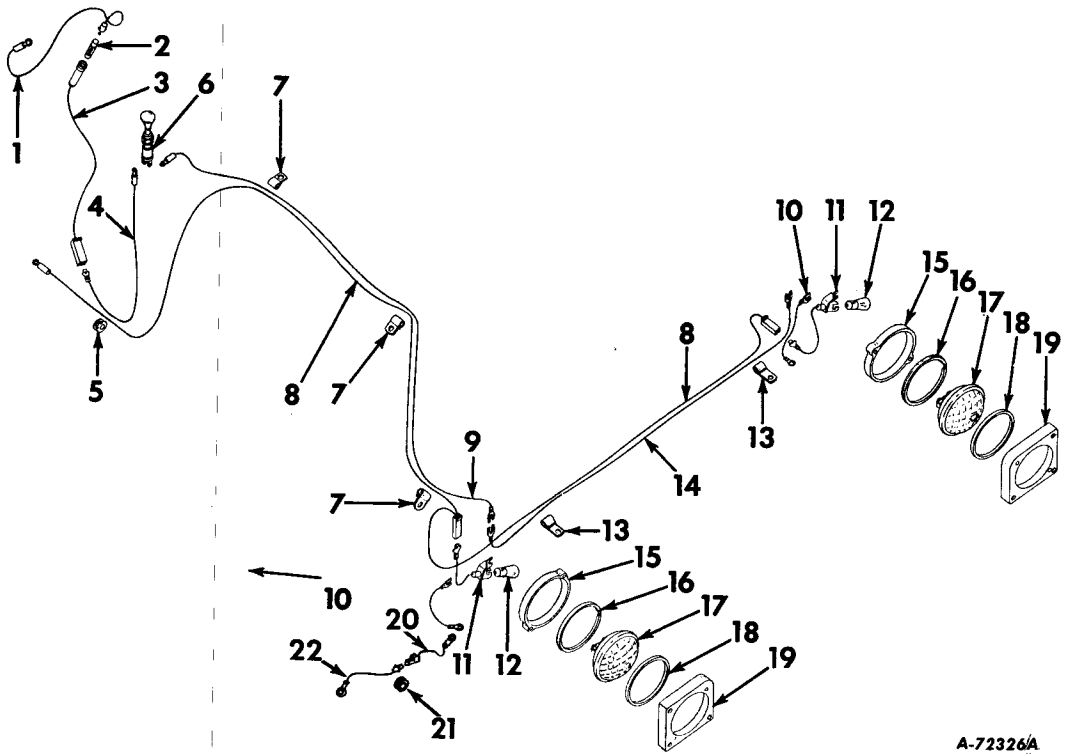
BATTERY MOUNTING BRACKET -FOR I-504 & I-606 DIESEL TRACTORS-



1	471 555 R1	BRACKET, BATTERY MOUNTING
		NUT, 1/2-13 CD OR ZN-PLTD HEX. -4-
		SCREW, 1/2-13 X 1-1/4 CD OR ZN-PLTD HEX-HD CAP -4-
		SCREW, 1/2-13 X 3-1/4 CD OR ZN-PLTD HEX-HD CAP -2-
		WASHER, 1/2 CD OR ZN-PLTD MED LOCK -4-
M	81 610	SPACER, BATTERY MOUNTING BRACKET -2- -FOR I-2504 AND I-606 DIESEL-
	313 517 R1	KEY, SQUARE
	664 151 R1	SPACER, BATTERY MOUNTING BRACKET -FOR I-504,I-606,I-2504 & I-2606-

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

LIGHTING EQUIPMENT



1	469 656 R1	CAP ASSY, FUSE HOUSING
2	117 142	FUSE, 10 AMP
3	469 657 R1	HOUSING ASSY, FUSE
4	469 654 R1	CABLE ASSY, LIGHTING SWITCH TO FUSE HOUSING JUNCTION
5	134 252	GROMMET, LIGHTING SWITCH CABLE
6	362 818 R91	SWITCH ASSY, LIGHTING
	121 458	WASHER, 19/32 X 1-3/16 X .095 CD OR ZN-PLTD
7	366 460 R1	CLIP, CABLE SHORT -3-
		NUT, 5/16-18 CD OR ZN-PLTD HEX.
		SCREW, 5/16-18 X 3/4 CD OR ZN-PLTD HEX-HD CAP
		WASHER, 5/16 CD OR ZN-PLTD MED LOCK
		WASHER, 17/64 X 5/8 X .065
8	470 259 R91	CABLE ASSY, LAMP SOCKET JUNCTION
9	469 653 R1	CABLE ASSY, LIGHTING SWITCH TO LH LAMP
10	469 655 R1	CABLE ASSY, LAMP TO GROUND -2-
11	470 258 R91	SOCKET ASSY, LAMP -2-
12	455 490	LAMP, NO. 1003 12 VOLT -2-
13	362 667 R1	CLIP, CABLE LONG -2-
14	469 652 R1	CABLE ASSY, LH LAMP TO RH LAMP

3130 BACKHOE -55- SECTION B

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

LIGHTING EQUIPMENT -CONTINUED

15	377 305 R1	RING, HEAD LAMP CLAMPING -2-
16	377 304 R1	RING, HEAD LAMP RETAINING - REAR -2-
17	371 461 R91	UNIT ASSY, 12 VOLT SEALED BEAM -2-
18	377 303 R1	RING, HEAD LAMP RETAINING - FRONT -2-
19	377 302 R1	HOUSING, HEAD LAMP -2-
		NUT, 1/4-20 CD OR ZN-PLTD HEX. -6-
	153 326	SCREW, 10-24 X 1-1/2 CD OR ZN-PLTD CR-REC-FIL-HD MACH -4-
	153 802	SCREW, 1/4-20 X 1-1/4 CD OR ZN-PLTD CR-REC-FIL-HD MACH -6-
		WASHER, 1/4 CD OR ZN-PLTD MED LOCK
20	481 701 R91	CABLE ASSY, LAMP TO GROUND WIRE -FOR 3514 AND 3616 TRACTOR-
21	128 157	GROMMET, RUBBER -FOR 3514 AND 3616 TRACTOR-
22	481 702 R91	CABLE ASSY, INTERMEDIATE GROUND -FOR 3514 AND 3616 TRACTOR-
	120 361	NUT, 10-24 C-Z HEX
	188 978	SCREW, 10-24 X 3/8 C-Z HEX-HD MACH
	120 217	WASHER, NO.10 C-Z MED LOCK

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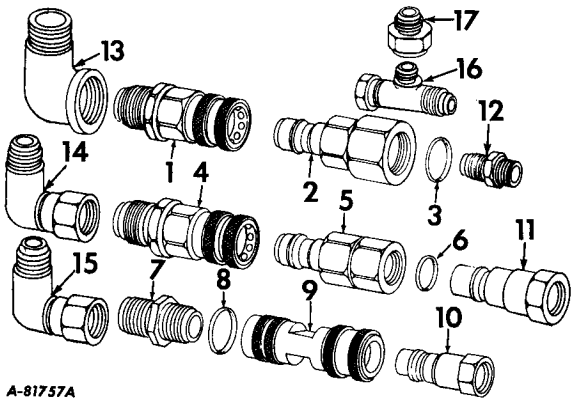
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC QUICK DISCONNECT COUPLER ATTACHMENT



A-81757A

KEY TO UNITS

A - FOR USE W/T-340 OR TD-340 TRACTOR-
B - FOR USE W/INTERNATIONAL 404 OR 2404 TRACTOR-
C - FOR USE W/INTERNATIONAL 504, 606, 2504, AND 2606 TRACTORS-
D - FOR USE W/T-340, TD-340 OR 3414 LOADER TRACTOR W/O HITCH-
E - FOR 3414 LOADER TRACTOR W/HITCH AND TANDEM PUMP, W/O AUXILIARY VALVES-

1		480 744 R91	COUPLING ASSY, HYD - SNAP TITE -UNIT A AND B-
2		480 743 R91	NIPPLE ASSY, HYD - SNAP TITE -UNIT A AND B-
3		296 247 R1	O-RING, 1-11/64 X 1-13/32 X 7/64 -UNIT A AND B-
4		480 746 R91	COUPLING ASSY, HYD - SNAP TITE -UNIT A AND B-
5		480 745 R91	NIPPLE ASSY, HYD - SNAP TITE -UNIT A AND B-
6		297 459 R1	O-RING, 1-3/64 X 1-9/32 X 1/8 -UNIT A AND B-
7	9	410 204	CONNECTOR, 7/8-14 37 DEG HYD FALRED -2 FOR UNIT A AND D- -3 FOR UNIT B- -1 FOR UNIT C-
8		364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -3 FOR UNIT A AND B- -1 FOR UNIT C AND E- -2 FOR UNIT D-
9		374 780 R92	COUPLING ASSY, SELF SEALING FEMALE - FOR UNIT A, C, D AND E- -3 FOR UNIT B-
10		388 990 R91	COUPLING ASSY, SELF SEALING MALE -2 FOR UNIT A AND D- -3 FOR UNIT B- -1 FOR UNIT C-

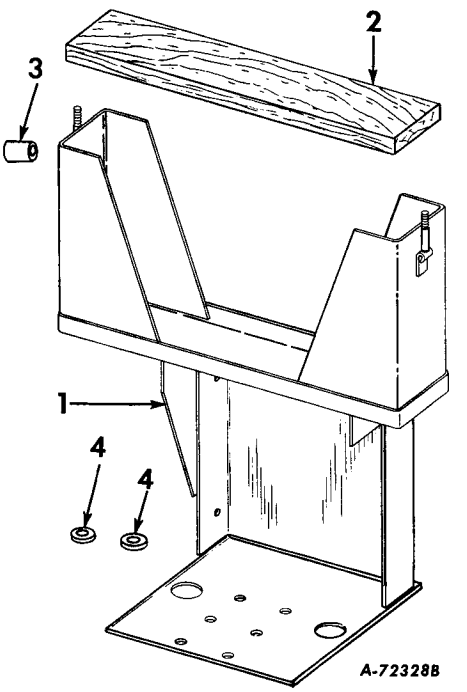
3130 BACKHOE -56- SECTION B

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC QUICK DISCONNECT COUPLER -CONTINUED ATTACHMENT

11		388 991 R91	COUPLING ASSY, SELF SEALING MALE -1 FOR UNIT E-
12	9	402 710	CONNECTOR, 1/2-14 TO 7/8-14 37 DEG FLARED TUBE -1 FOR UNIT E-
13		444 172	ELBOW, 1/2-14 AUTO 90 DEG ST. -1 FOR UNIT E-
14	9	410 284	ELBOW, 1-3/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL -1 FOR UNIT E-
15	9	410 285	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL -1 FOR UNIT E-
16	9	410 337	TEE, 1-5/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL -UNIT C-
17		483 594 R1	UNION, TUBE REDUCER -UNIT C-
	2	752 936 R1	PRODUCT GRAPHICS, WARNING -BE SURE HYD QUICK COUPLERS ARE PROPERLY CONNECTED BEFORE STARTING ENGINE-

BATTERY TRAY -FOR 3414 LOADER TRACTOR-

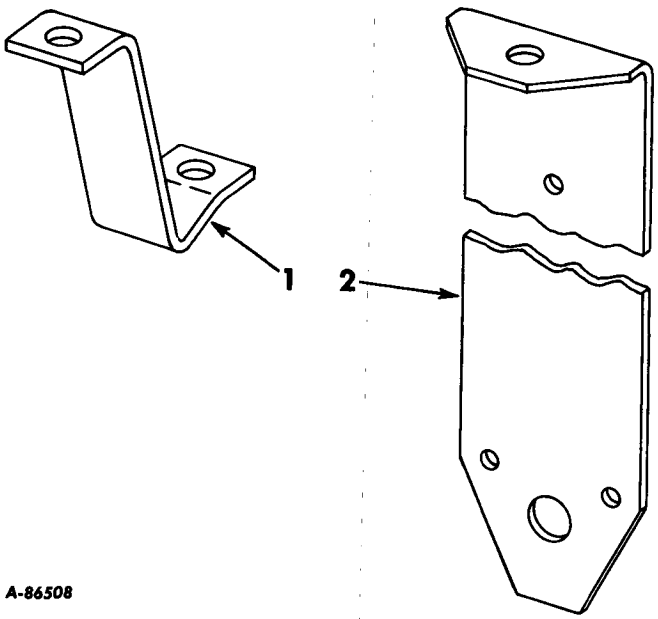


A-72328B

1		393 826 R91	TRAY ASSY, BATTERY -WILL WORK FOR 471 147 R94- NUT, 1/2-13 CD OR ZN-PLTD HEX. SCREW, 1/2-13 X 3/4 CD OR ZN-PLTD HEX-HD CAP -3-
		50 939 DA	SCREW, BATTERY BOX -2-
2		471 161 R1	SPACER, BATTERY -FOR GASOLINE VERSION ONLY-
3	N	10 268	SPACER, BATTERY BOX -2-
4		390 554 R1	WASHER, BATTERY BOX -4-
		472 086 R91	CABLE ASSY, BATTERY TO SOLENOID SWITCH

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

FLASHING LIGHT BRACKETS



A-86508

1	394 420 R1	BRACKET, FLASHING LIGHT -FOR USE ON
	120 378	NUT, 1/2-20 HEX.
	180 173	SCREW, 1/2-20 X 1 HEX-HD CAP
	120 386	WASHER, 1/2 X 1-1/4 X .064
	120 384	WASHER, 1/2 MED LOCK
2	485 354 R1	BRACKET, TAIL AND FLASHING LIGHT -FOR USE ON INTERNATIONAL 504, 606, 2424, 2504 AND 2606 TRACTORS-

3130 BACKHOE -57- SECTION B

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

PRODUCT GRAPHICS

	474 257 R91	PRODUCT GRAPHICS SET, 3130 BACKHOE CONSISTS OF-
2	750 120 R1	PRODUCT GRAPHICS, IH LABEL -ON BOTH SIDES AND TOP OF DIPPERSTICK -3-
2	751 154 R1	PRODUCT GRAPHICS, LIFT & CROWD CONTROL INSTRUCTIONS LABEL -NOTE- -ON RIGHT VALVE MOUNTING PLATE-
2	751 157 R1	PRODUCT GRAPHICS, SWING & STABILIZER CONTROL INSTRUCTIONS LABEL -NOTE- -ON LEFT VALVE MOUNTING PLATE-
2	751 898 R1	PRODUCT GRAPHICS, 3130 MODEL DESIGNATION DECAL -ON BOTH SIDES OF BOOM UNDER INTERNATIONAL DECAL- -NOTE- -2-
2	751 130 R1	PRODUCT GRAPHICS, INTERNATIONAL DECAL -ON BOTH SIDES OF BOOM -2-
1	000 693 R3	PRODUCT GRAPHICS, IH OF CANADA DECAL -ON BOTH SIDES OF BOOM JUST BELOW AND IN CENTER OF INTERNATIONAL DECAL -2-
		NOTE -NOT SERVICED SEPARATELY, ORDER PRODUCT GRAPHICS SET-

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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

3130 BACKHOE -58- SECTION B

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

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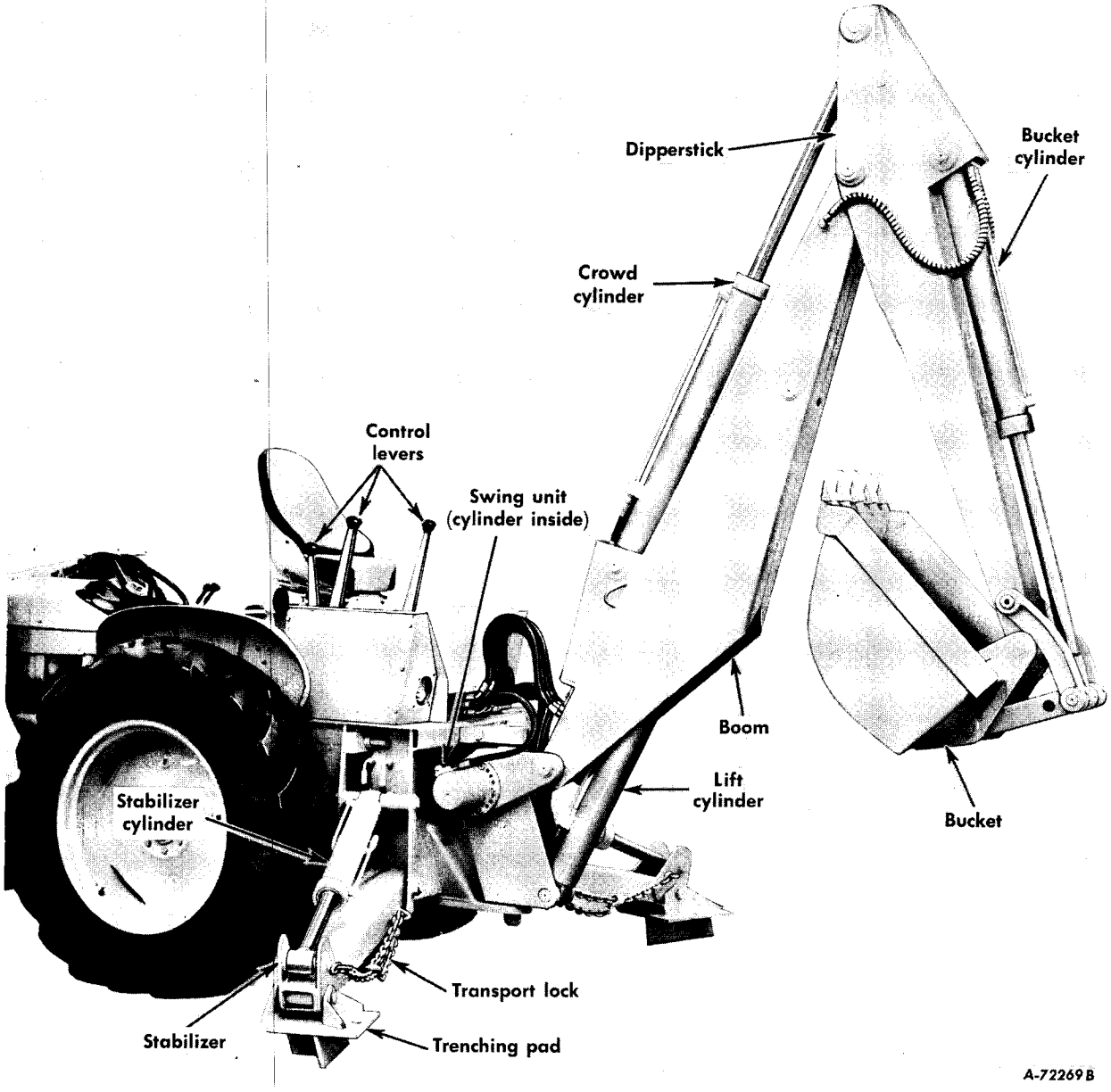
BKH-1



International 3140 Backhoe

BKH-1

INTERNATIONAL 3140 BACKHOE

Built 1963 to 1965

INDEX TO UNITS

DESCRIPTION	Page
BOOM	7
BRACKETS	
Battery Mounting (For International 504 and 606 Diesel Tractor)	50
Fender	
For International 340, 460, 504, 606, 2504 and 2606 Tractors	16
For International 3414 Loader Tractor	15
Flashing Light	51
BUCKET	7
CONTROLS, Hydraulic	23
COUPLER, Quick Disconnect	50
CYLINDERS, Hydraulic	21
DIPPERSTICK	7
FILTER, Oil	34
FLANGE, Pump Mounting (For International 340, 460, 504, 606, 2504 and 2606 Tractors	30
FRAME, Main	5
HYDRAULIC CONNECTIONS	
Basic	25
For International 3414 Loader Tractor with Auxiliary Valve	37
For International 3414 Loader Tractor with Hydraulic Lift	39
For International 3414 Loader Tractor with Hydraulic Lift and Auxiliary Valve	35
For International 3414 Loader Tractor w/o Hydraulic Lift and Auxiliary Valve	41
HYDRAULIC CONNECTIONS -Continued-	
For International 3514 and 3616 Loader Tractors	28
For T-340-A or TD-340A Tractor w/DROTT Four-in-one Skid Shovel, 3040 Loader, 600 or 700 Blade	32
LIGHTING EQUIPMENT	49
PACKAGES, Completing (Field Application)	
Flip-Up Seat	14
Relief Valves	14
Subframe Bolts	14
Subframe Bar and Mounting Bracket	14
PADS	5
PLATE, Floor	13
PRODUCT GRAPHICS	52
PUMP AND POWER SUPPLY CONNECTIONS	
For International 340, 404, 460, 504, 606, 2404, 2504 and 2606 Tractors w/External Filter	33
For International 504, 606, 2504 and 2606 Tractors w/Built in Filter	33
For International 504, 606, 2504 and 2606 Tractors w/o Loader	34
For International 340, 460, 504, 606, 2504 and 2606 Tractors	30
PUMPS, Hydraulic Gear	
Cessna 7 GPM	46
Thompson 7 GPM	45
SEATS	
Jr. Road King (Special)	14
Premier	13
STABILIZER	5

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INDEX TO UNITS - Continued BKH-1

DESCRIPTION	Page
SUBFRAMES	
For International 340, 460, 504, 606, 2504 and 2606 Tractors ...	16
For International 3414 Loader Tractors	15
For International 3514 and 3616 Loader Tractors	17
For T-340A and TD-340A Tractors w/3040 Loader	12
For T-340A and TD-340A Tractors w/DROTT Four-in-one Skid Shovel	11
For International 504, 606, 2504 and 2606 Tractors w/o Loader..	9
SUPPORTS	
Flip-Up Seat	15
Seat	
For T-340A and TD-340A Tractors w/3040 Loader	12
For T-340A and TD-340A Tractors w/DROTT Four-in-one Skid Shovel	11
For International 3514 and 3616 Loader Tractors	17
SWING MECHANISM	26

DESCRIPTION	Page
TRAY, Battery (For 3414 Loader Tractor)	51
TUBE, Hydraulic	19
VALVES	
Control	19
Diverter	
For International 340, 460, 504, 606, 2424, 2504 and 2606 Tractors	47
For International 3414, 3514 and 3616 Loader Tractors ...	47
Flow Control	46
Pilot Relief	43
Regulator and Safety Flow Control	42
Three Position Control	44

DIAGRAMS, Hydraulic ..... { Refer to Introduction Pages IV thru XII

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BKH-1

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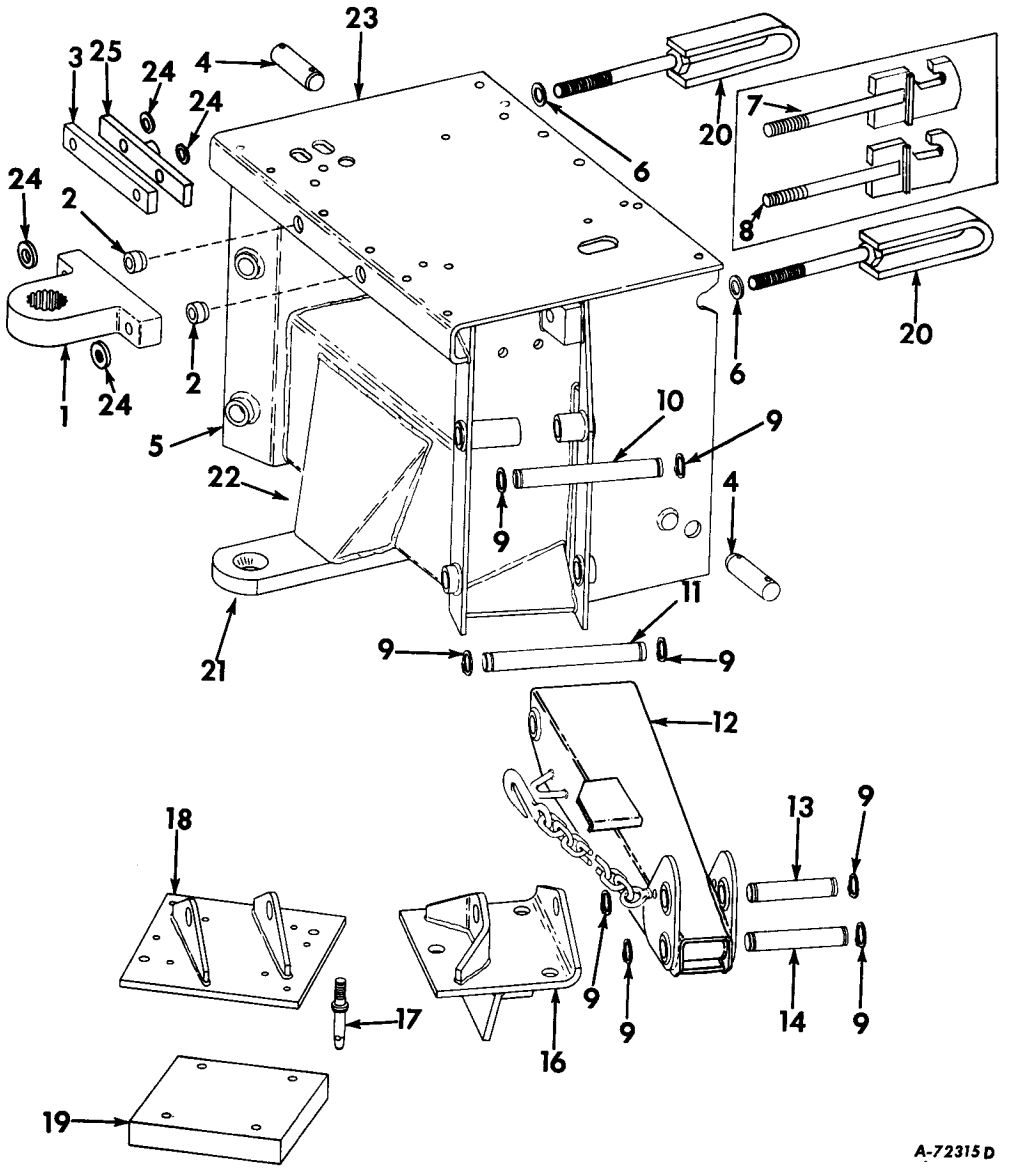
REF. NO.	PART NUMBER	DESCRIPTION	8KH-1

MAIN FRAME, STABILIZER AND PADS



REF. NO.	PART NUMBER	DESCRIPTION
1	468 389 R11	MOUNT W/PILOTS, TOP SWING
	19 925 R1	NUT, 7/8-9 TYPE 4 HEX. -2-
	289 757 R1	SCREW, 7/8-9 X 4-1/4 TYPE 4 HEX-HD CAP -2-
2	469 118 R1	PILOT, TOP SWING MOUNT -2-
3	468 388 R2	BAR, BACKUP TOP SWING MOUNT
4	468 639 R1	PIN, MAIN FRAME LOCKING -2-
	520 174 R1	PIN, QUICK ATTACHABLE CUT. -4-
5	468 372 R93	FRAME ASSY, BACKHOE MAIN
6	470 459 R1	WASHER, 1-1/16 X 2 X 10 GA -SPECIAL- -2-
7	468 718 R91	BOLT, MAIN FRAME MOUNTING LEFT TIE -ORDER 473 651 R91-
		NUT, 1-8 CD OR ZN-PLTD HEX.
	426 899	NUT, 1-8 CD OR ZN-PLTD HEX. JAM

3140 BACKHOE -5- SECTION C

REF. NO. | PART NUMBER | DESCRIPTION | 8KH-1

MAIN FRAME, STABILIZER AND PADS -CONTINUED

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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		MAIN FRAME, STABILIZER AND PADS -CONTINUED	
8	468 719 R91	BOLT, MAIN FRAME MOUNTING RIGHT TIE -ORDER 473651 R91-	
		NUT, 1-8 CD OR ZN-PLTD HEX.	
	426 899	NUT, 1-8 CD OR ZN-PLTD HEX. JAM	
9	468 283 R1	RING, EXTERNAL RETAINING -16-	
10	468 638 R1	PIN, STABILIZER CYCLE TO MAIN FRAME -2-	
11	468 635 R1	PIN, STABILIZER TO MAIN FRAME -2-	
12	468 655 R12	STABILIZER W/CHAIN, BACKHOE LEFT	
12	468 656 R12	STABILIZER W/CHAIN, BACKHOE RIGHT	
13	468 637 R1	PIN, STABILIZER TO CYLINDER -2-	
14	468 636 R1	PIN, STABILIZER TO PAD ASSY -2-	
15		NOT USED	
16	468 392 R11	PAD ASSY, STABILIZER TRENCHING -2-	
17	525 921 R1	PIN, HITCH -FOR SOD PAD- -8-	
	426 767	NUT, 7/8-14 CD OR ZN-PLTD HEX. -8-	
		WASHER, 7/8 CD OR ZN-PLTD MED LOCK -8-	
18	469 103 R91	PAD ASSY, LEFT STABILIZER SOD -SPECIAL-	
18	469 104 R91	PAD ASSY, RIGHT STABILIZER SOD -SPECIAL-	
19	469 108 R2	PAD, STABILIZER STREET -SPECIAL- -2-	
		BOLT, 3/4-10 X 2-1/2 CD OR ZN-PLTD CRG -8-	
		NUT, 3/4-10 CD OR ZN-PLTD HEX. -8-	
		WASHER, 3/4 CD OR ZN-PLTD MED LOCK -8-	
20	473 651 R91	BOLT ASSY, MAIN FRAME MOUNTING EYE -2-	
		NUT, 1-8 CD OR ZN-PLTD HEX. -2-	
	426 899	NUT, 1-8 CD OR ZN-PLTD HEX. JAM -2-	
21	468 380 R1	PLATE, MAIN FRAME SWING MOUNT	
22	468 378 R1	GUSSET, MAIN FRAME SWING MOUNT	
23	468 373 R2	PLATE, MAIN FRAME TOP	
24	384 697 R1	WASHER, .906 X 1.75 X .164 -4-	
25	484 483 R1	BAR, BACKUP OUTER TOP SWING MOUNT -FOR USE ON INTERNATIONAL 3514 AND 3616 TRACTORS-	
	19 925 R1	NUT, 7/8-9 HEX. -2-	
	21 021 R1	SCREW, 7/8-9 X 5-1/2 HEX-HD CAP -2-	

3140 BACKHOE -6- SECTION C
REF. NO. PART NUMBER DESCRIPTION BKH-1
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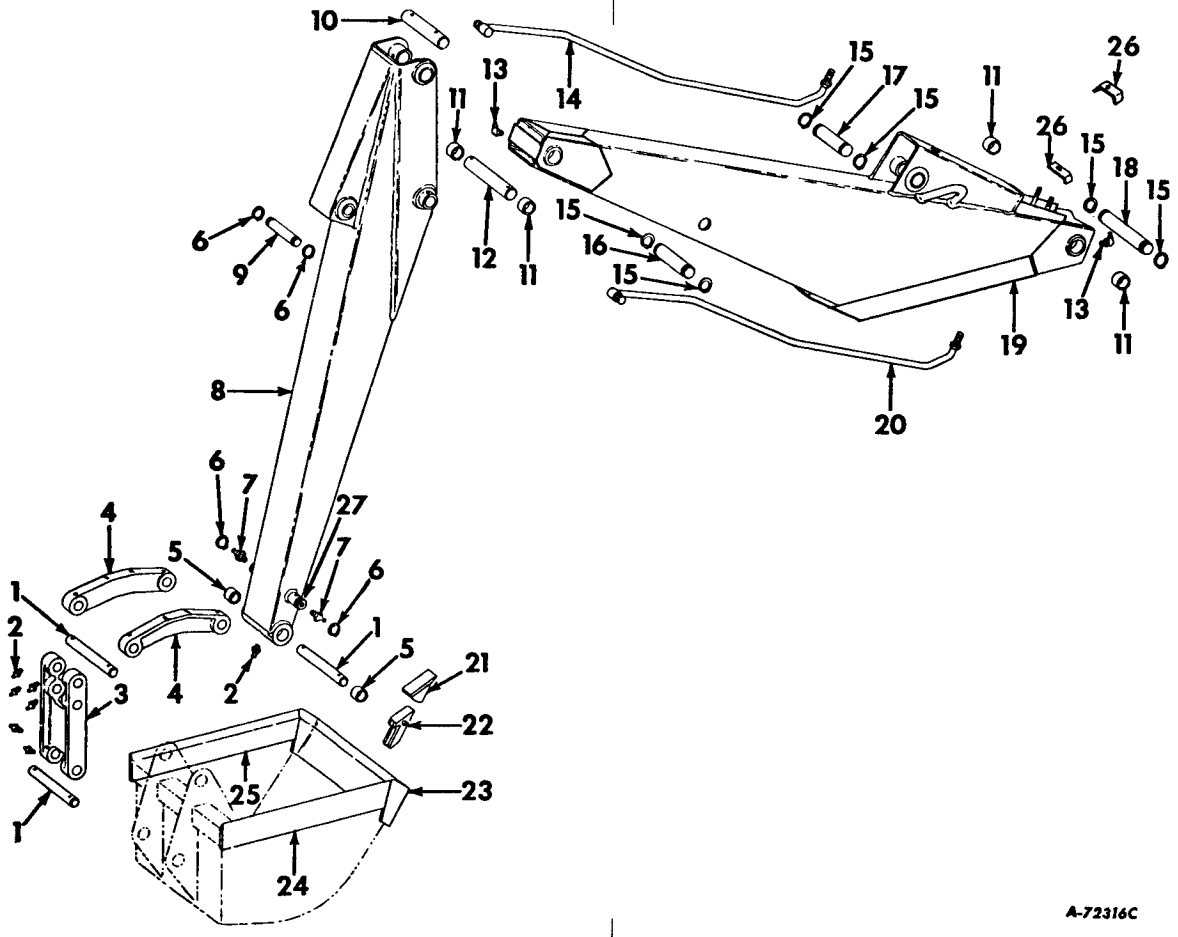
REVISION NO. 6

BOOM, BUCKET AND DIPPERSTICK



REF. NO.	PART NUMBER	DESCRIPTION
1	468 284 R1	PIN, BUCKET LINK -3-
		PIN, 3/16 X 1-1/4 CD OR ZN-PLTD COT. -4-
	468 317 R1	PIN, 1/2 X 2-7/16 DLD-HD -4-
2	109 461	FITTING, 1/8-27 PTF STR LUB -7-
3	468 289 R1	LINK, REAR BUCKET
4	468 285 R2	LINK, FORWARD BUCKET LH
4	493 398 R1	LINK, FORWARD BUCKET RH
	187 988	PIN, 3/16 X 1-1/4 CD OR ZN-PLTD COT. -2-
	472 712 R1	PIN, 1/2 X 3-9/16 STD-HD -2-
5	468 280 R1	BUSHING, LINK PIVOT -2-
6	468 283 R1	RING, BUCKET LINK PIVOT SHAFT EXT SNAP -4-
7	273 355	FITTING, 1/4 STR DRIVE LUB -2-
8	472 783 R91	DIPPERSTICK W/BUSHINGS, BACKHOE
9	468 282 R1	PIN, BUCKET CYLINDER TO DIPPERSTICK

-7- SECTION C
3140 BACKHOE
BKH-1

BOOM, BUCKET AND DIPPERSTICK -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
10	468 288 R1	PIN, DIPPERSTICK TO CROWD CYLINDER
		PIN, 3/16 X 1-1/4 CD OR ZN-PLTD COT. -2-
	472 714 R1	PIN, 1/2 X 3-3/8 STD-HD -2-
11	468 366 R1	BUSHING, BOOM PIVOT CARRIER -4-
12	468 287 R1	PIN, BOOM PIVOT
		PIN, 3/16 X 1-1/4 CD OR ZN-PLTD COT. -2-
	472 712 R1	PIN, 1/2 X 3-9/16 STD-HD -2-
	625 688 R1	WASHER, 2-1/32 X 3 X 16 GA -AS REQUIRED-
13	109 462	FITTING, 1/8-90 DEG ELBOW LUB -2- -BOOM PIVOT CARRIER-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		BOOM, BUCKET AND DIPPERSTICK -CONTINUED	
14	472 781 R11	TUBE ASSY, BACKHOE BOOM LEFT	
	9 403 295	NUT, 7/8-14 CD OR ZN-PLTD BULKHEAD UNION LOCK -2-	
	9 403 298	NUT, 1-5/16-12 CD OR ZN-PLTD BULKHEAD UNION LOCK -2-	
	138 566	WASHER, 7/8 CD OR ZN-PLTD INTERNAL TOOTH LOCK -2-	
	471 961 R1	WASHER, 1-5/16 CD OR ZN-PLTD INTERNAL TOOTH LOCK -2-	
15	468 371 R1	RING, EXTERNAL RETAINING -6-	
16	468 367 R1	PIN, BOOM CYLINDER UPPER	
17	468 369 R1	PIN, SHROUD	
18	468 368 R1	PIN, BOOM TO SWING MECHANISM	
	625 688 R1	WASHER, 2-1/32 X 3 X 16 GA	
19	472 778 R91	BOOM W/BUSHINGS, BACKHOE	
		NUT, 5/16-18 CD OR ZN-PLTD HEX. -2-	
		SCREW, 5/16-18 X 1-1/4 HEX-HD -2-	
20	472 782 R11	TUBE ASSY, BACKHOE BOOM RIGHT	
	9 403 295	NUT, 7/8-14 CD OR ZN-PLTD BULKHEAD UNION LOCK -2-	
	9 403 298	NUT, 1-5/16-12 CD OR ZN-PLTD BULKHEAD UNION LOCK -2-	
	138 566	WASHER, 7/8 CD OR ZN-PLTD INT-TOOTH LOCK -2-	
	471 961 R1	WASHER, 1-5/16 CD OR ZN-PLTD INT-TOOTH LOCK -2-	
21	468 733 R1	TOOTH, POINT -3 USED FOR 12 IN., 4 USED FOR 16, 18 AND 20 IN., 5 USED FOR 22, 24 AND 26 IN., 6 USED FOR 28, 30 AND 32 IN. AND 7 USED FOR 34 AND 36 IN. BUCKET-	
21	485 353 R1	POINT, TOOTH -HEAVY DUTY- -4 USED FOR 16 AND 20 IN., 5 USED FOR 22 AND 26 IN., 6 USED FOR 28, 30 AND 32 IN., 7 USED FOR 34 IN.-	
21	470 242 R1	TOOTH, POINT -SPECIAL FOR MOLES PAW TYPE BUCKET- -4 USED FOR 18 IN., 6 USED FOR 24 IN.-	
22	468 314 R1	SHANK, TOOTH -3 USED FOR 12 IN., 4 USED FOR 16, 18 AND 20 IN., 5 USED FOR 22, 24 AND 26 IN., 6 USED FOR 28, 30 AND 32 IN. AND 7 USED FOR 34 AND 36 IN. BUCKET-	
22	471 547 R1	SHANK, POINT - SPECIAL FOR MOLES PAW TYPE BUCKET- -4 USED FOR 18 IN., 6 USED FOR 24 IN.-	
23	468 764 R1	EDGE, FRONT CUTTING -FOR 12 IN. BUCKET-	
23	483 615 R1	EDGE, FRONT CUTTING -FOR 16 IN. BUCKET-	
23	468 758 R1	EDGE, FRONT CUTTING -FOR 18 IN. BUCKET-	
23	483 621 R1	EDGE, FRONT CUTTING -FOR 20 IN. BUCKET-	
23	483 627 R1	EDGE, FRONT CUTTING -FOR 22 IN. BUCKET-	
23	468 310 R1	EDGE, FRONT CUTTING -FOR 24 IN. BUCKET-	
23	483 633 R1	EDGE, FRONT CUTTING -FOR 26 IN. BUCKET-	
23	483 639 R1	EDGE, FRONT CUTTING -FOR 28 IN. BUCKET-	
23	472 975 R1	EDGE, FRONT CUTTING -FOR 30 IN. BUCKET-	
23	483 651 R1	EDGE, FRONT CUTTING -FOR 32 IN. BUCKET-	
23	483 657 R1	EDGE, FRONT CUTTING -FOR 34 IN. BUCKET-	
23	468 770 R1	EDGE, FRONT CUTTING -FOR 36 IN. BUCKET-	
23	480 590 R1	EDGE, FRONT CUTTING -FOR 36 IN. TRENCHING BUCKET-	
24	468 313 R1	BAR, RIGHT SIDE CUTTING -FOR 16, 18, 20 22, 24, 26, 28, 32 AND 34 IN. BUCKET-	
25	468 312 R1	BAR, LEFT SIDE CUTTING -FOR 16, 18, 20, 22, 24, 26, 28, 32 AND 34 IN. BUCKET-	
26	379 045 R1	CLAMP, HYD TUBE -2-	
27	468 281 R1	SHAFT, BUCKET LINK PIVOT	

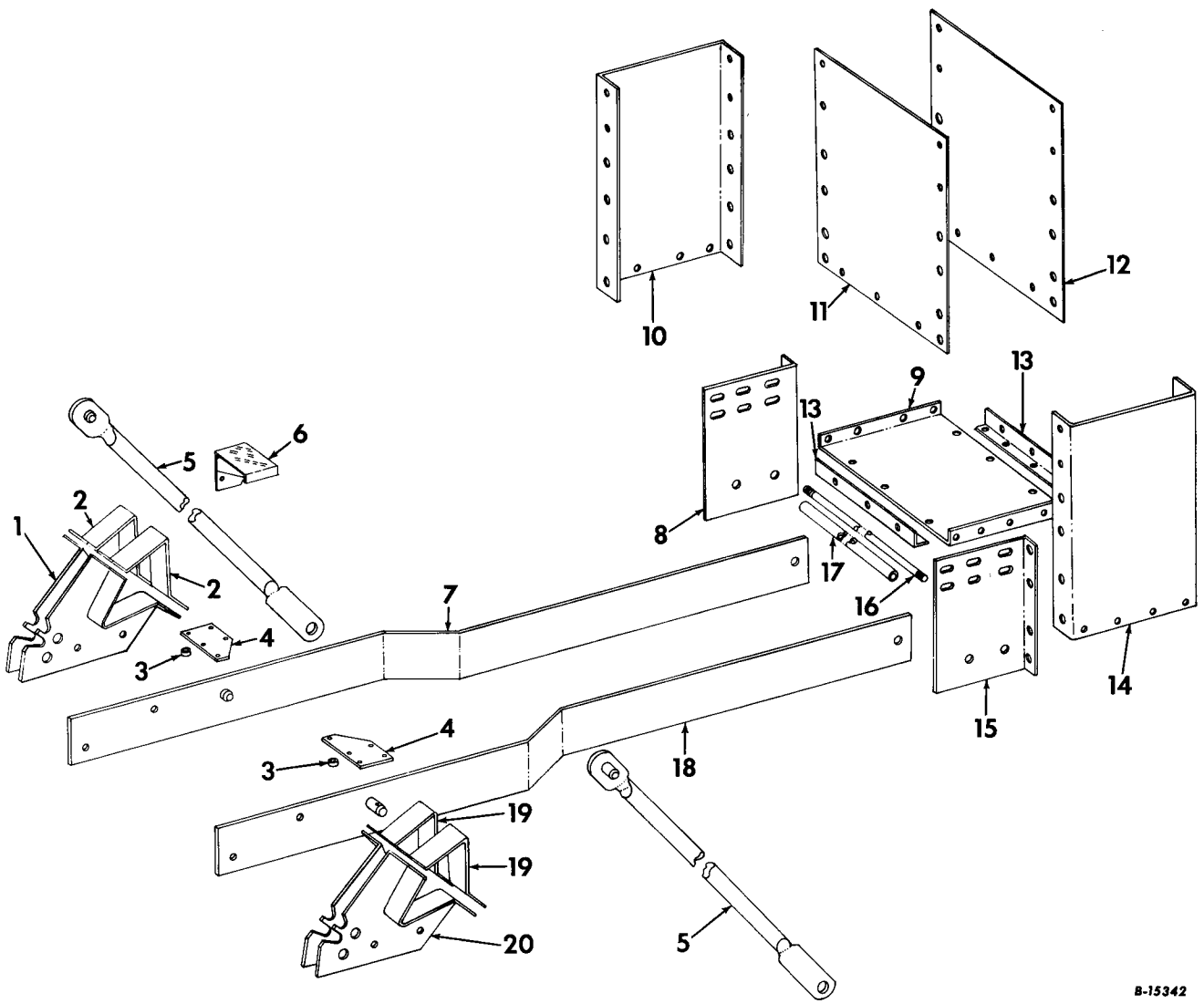
3140 BACKHOE -8- SECTION C

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		INDEPENDENT SUBFRAME W/WEIGHT BOX -FOR USE ON I-504, I-606, I-2504 & I-2606 TRACTOR-	

3140 BACKHOE -9- SECTION C

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		INDEPENDENT SUBFRAME W/WEIGHT BOX -FOR USE -CONTINUED ON I-504, I-606, I-2504 & I-2606 TRACTOR-	



1	479 028 R91	BRACKET ASSY, MOUNTING LH
2	479 043 R1	BRACKET, AXLE MOUNTING LH -2-
	220 088	NUT, 1-8 C-Z HEX. -4-
	271 857	SCREW, 1-8 X 2-1/2 C-Z HEX-HD CAP -4-
3	237 614 R1	SPACER, FENDER BRACKET -2-
4	469 549 R1	BRACKET, FENDER -2-
	180 174	SCREW, 1/2 X 1-1/8 C-Z HEX-HD CAP -4-
5	469 181 R11	SUPPORT ASSY, MAIN FRAME -2-
6	470 455 R11	STEP ASSY, TRACTOR TO BACKHOE
	120 377	NUT, 3/8 C-Z HEX. -4-
	180 120	SCREW, 3/8 X 3/4 C-Z HEX-HD CAP -4-
	120 382	WASHER, 3/8 C-Z LOCK -4-
	446 470	WASHER, 3/8 X 1-1/8 X 16 GA C-Z -4-
7	479 026 R11	BAR ASSY, SUB FRAME LH
	220 088	NUT, 1-8 C-Z HEX. -2-
	137 303	PIN, 1/4 X 2-1/4 C-Z COT.
	271 860	SCREW, 1-8 X 3-1/4 C-Z HEX-HD CAP -2-
	551 183 R1	WASHER, 17/32 X 2-1/2 X 16 GA
8	479 034 R1	PLATE, FRONT MOUNTING LH
9	479 039 R1	CHANNEL, WEIGHT BOX BOTTOM
10	479 037 R1	CHANNEL, WEIGHT BOX SIDE LH

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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		INDEPENDENT SUBFRAME W/WEIGHT BOX -FOR USE -CONTINUED ON I-504, I-606, I-2504 & I-2606 TRACTOR-	
11	479 033 R1	PLATE, WEIGHT BOX	
12	479 036 R1	PLATE, WEIGHT BOX FRONT	
13	479 040 R1	ANGLE, WEIGHT BOX -2-	
	17 448 R1	BOLT, 1/2 X 1-1/4 HEX-HD MACH -28-	
	17 473 R1	BOLT, 1/2 X 1-1/2 HEX-HD MACH -8-	
	102 637	NUT, 1/2 HEX. -36-	
	271 771	SCREW, 3/4-10 X 2 C-Z HEX-HD CAP -6-	
	271 772	SCREW, 3/4-10 X 2-1/4 C-Z HEX-HD CAP -2-	
	103 323	WASHER, 1/2 MED LOCK -36-	
	220 086	WASHER, 3/4 C-Z MED LOCK -8-	
	16 038 R1	WASHER, 17/32 X 1 X 11 GA -12-	
14	479 038 R1	CHANNEL, WEIGHT BOX SIDE RH	
15	479 035 R1	PLATE, FRONT MOUNTING RH	
	271 723	SCREW, 5/8-11 X 2 C-Z HEX-HD CAP -8-	
	121 574	WASHER, 5/8 C-Z MED LOCK -8-	
	131 016	WASHER, 21/32 X 1-5/16 X .095 C-Z -8-	
16	479 042 R1	SHAFT	
	220 095	NUT, 1-1/4-7 C-Z HEX. -2-	
17	479 041 R1	PIPE, FRONT MOUNTING SPACER	
18	479 027 R11	BAR ASSY, SUBFRAME RH	
	220 088	NUT, 1-8 C-Z HEX. -2-	
	137 303	PIN, 1/4 X 2-1/4 C-Z COT.	
	271 860	SCREW, 1-8 X 3-1/4 C-Z HEX-HD CAP -2-	
	551 183 R1	WASHER, 17/32 X 2-1/2 X 16 GA	
19	479 044 R1	BRACKET, AXLE MOUNTING RH -2-	
	220 088	NUT, 1-8 C-Z HEX. -4-	
	271 857	SCREW, 1-8 X 2-1/2 C-Z HEX-HD CAP -4-	
20	479 029 R91	BRACKET ASSY, MOUNTING RH	

3140 BACKHOE -10- SECTION C

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

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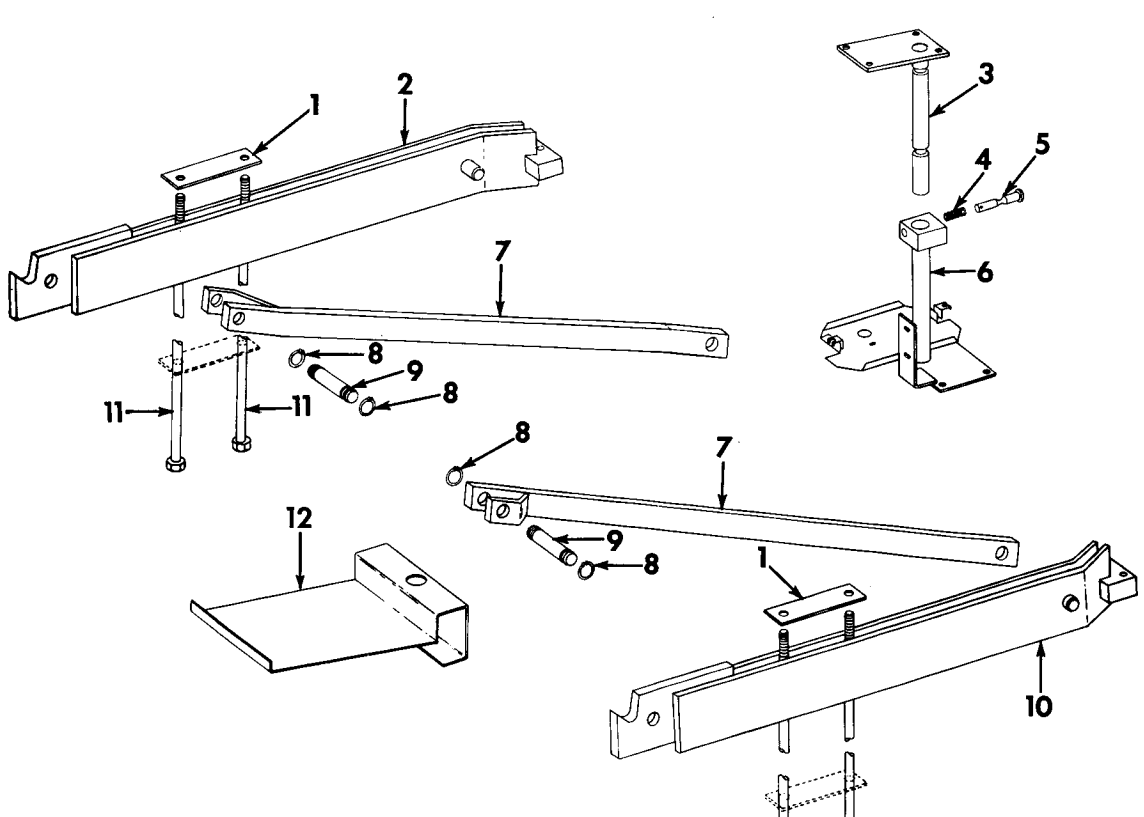
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME & SEAT SUPPORT -T-340A & TD-340A TRACTORS W/DROTT FOUR-IN-ONE SKID SHOVEL-



1	472 736 R1	SPACER, SUBFRAME MOUNTING -2-	
2	472 724 R91	SUBFRAME ASSY, LH PIN, 1/4 X 2-1/4 COT. SCREW, 5/8-11 X 4-1/2 HEX-HD CAP -2-	
	551 183 R1	WASHER, 1-7/32 X 2-1/2 X 16 GA -AS REQUIRED-	
3	472 745 R92	SEAT ATTACHING ASSY	
4	24 541 D	SPRING	
5	472 744 R2	PIN, LOCKING PIN, 1/4 X 1-1/4 CD OR ZN-PLTD COT.	
6	472 737 R91	SUPPORT ASSY, SEAT SCREW, 5/16-18 X 7/8 CD OR ZN-PLTD HEX-HD CAP -4- WASHER, 5/16 CD OR ZN-PLTD MED LOCK -4-	
	P 13 334	SPACER, SEAT SUPPORT -4- SCREW, 7/16-14 X 5 HEX-HD CAP -4-	
7	472 731 R91	TIE BAR ASSY -2-	
8	468 283 R1	RING, SNAP -4-	
9	472 733 R1	PIN, TIE BAR -2-	
10	472 725 R91	SUBFRAME ASSY, RH PIN, 1/4 X 2-1/4 COT. SCREW, 5/8-11 X 4-1/2 HEX-HD CAP -2-	
	551 183 R1	WASHER, 1-7/32 X 2-1/2 X 16 GA -AS REQUIRED-	
11	20 185 R1	SCREW, 3/4-10 X 17-1/4 CD OR ZN-PLTD HEX-HD CAP -4-	
12	468 963 R11	PLATE ASSY, FLOOR NUT, 3/8-16 CD OR ZN-PLTD HEX. -2- SCREW, 3/8-16 X 7/8 CD OR ZN-PLTD HEX-HD CAP -2- SCREW, 1/2-13 X 1-1/4 CD OR ZN-PLTD HEX-HD CAP -2- WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2- WASHER, 1/2 CD OR ZN-PLTD MED LOCK	

3140 BACKHOE -11- SECTION C

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

SUBFRAME & SEAT SUPPORT -T-340A & TD-340A TRACTORS W/DROTT FOUR-IN-ONE SKID SHOVEL- -CONTINUED

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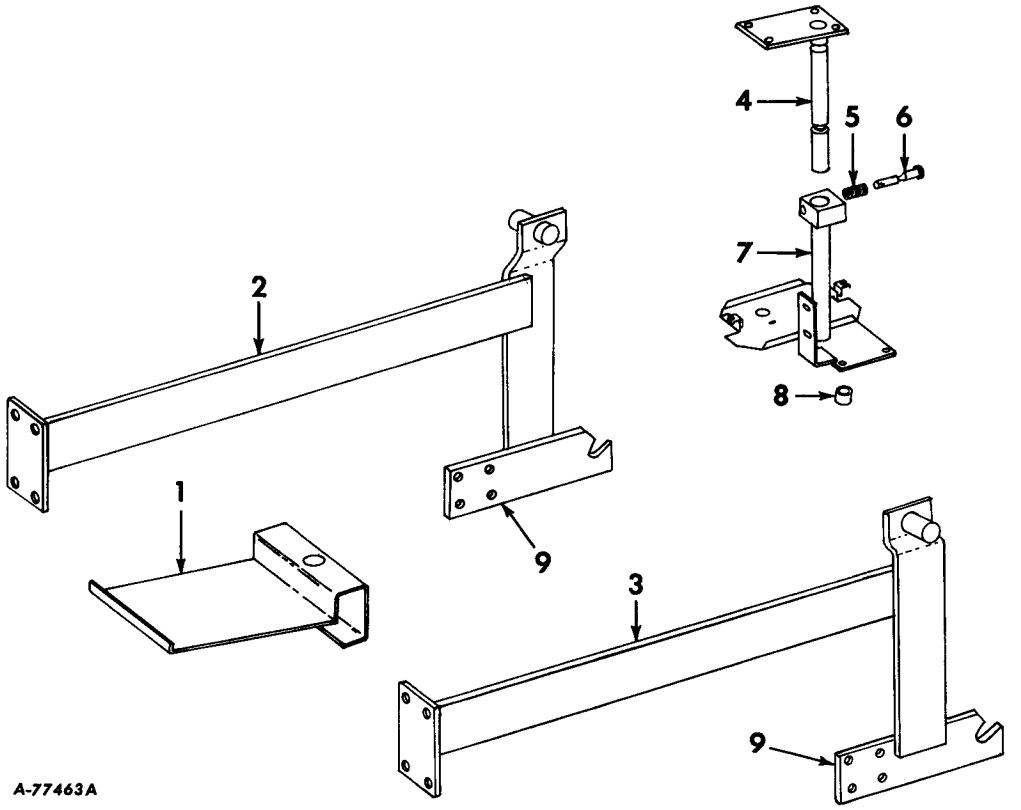
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME & SEAT SUPPORT- T-340A & TD-340A TRACTORS W/3040 LOADER



1	468 963 R11	PLATE ASSY, FLOOR NUT, 3/8-16 CD OR ZN-PLTD HEX. -2- SCREW, 3/8-16 X 7/8 CD OR ZN-PLTD HEX-HD CAP -2- SCREW, 1/2-13 X 1-1/4 CD OR ZN-PLTD HEX-HD CAP -2- WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2- WASHER, 1/2 CD OR ZN-PLTD MED LOCK -2-
2	475 427 R91	FRAME ASSY, LH NUT, 3/4-10 CD OR ZN-PLTD HEX. -4- SCREW, 3/4-10 X 1-3/4 CD OR ZN-PLTD HEX-HD CAP -4-
3	475 428 R91	FRAME ASSY, RH NUT, 3/4-10 CD OR ZN-PLTD HEX. -4- SCREW, 3/4-10 X 1-3/4 CD OR ZN-PLTD HEX-HD CAP -4-
4	472 745 R92	SEAT ATTACHING ASSY
5	24 541 D	SPRING
6	472 744 R2	PIN, LOCKING PIN, 1/4 X 1-1/4 CD OR ZN-PLTD COT.

3140 BACKHOE -12- SECTION C

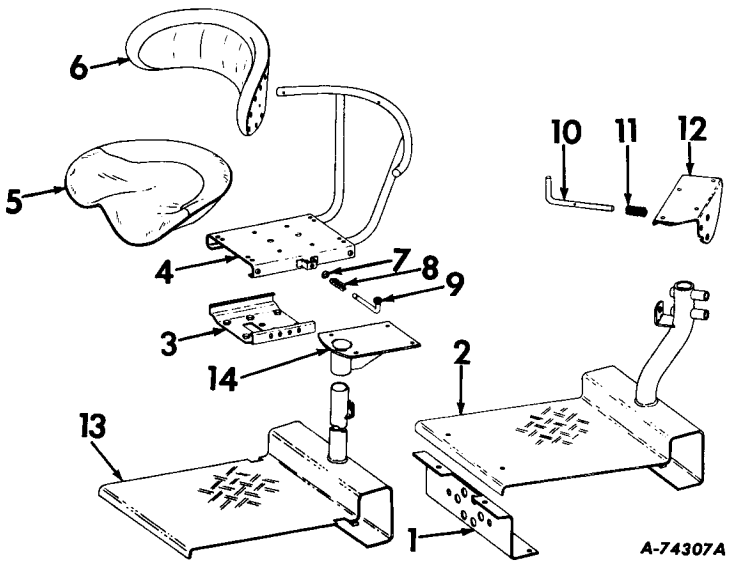
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME & SEAT SUPPORT- T-340A & TD-340A TRACTORS W/3040 LOADER -CONTINUED

7	472 737 R91	SUPPORT ASSY, SEAT SCREW, 5/16-18 X 7/8 CD OR ZN-PLTD HEX-HD CAP -4- WASHER, 5/16 CD OR ZN-PLTD MED LOCK -4-
8 P	13 334	SPACER, SEAT SUPPORT -4- SCREW, 7/16-14 X 5 HEX-HD CAP -4-
9	475 431 R1	BAR, MOUNT -2-
	271 777	SCREW, 3/4-10 X 3-1/2 C-Z HEX-HD CAP -4-
	220 086	NUT, 3/4-10 C-Z HEX. -4-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

FLOOR PLATE AND SEAT



1	468 734 R1		SUPPORT, FLOOR PLATE
			NUT, 3/8-16 CD OR ZN-PLTD HEX. -4-
			SCREW, 3/8-16 X 1 CD OR ZN-PLTD HEX-HD CAP -4-
			WASHER, 3/8 CD OR ZN-PLTD MED LOCK -4-
2	468 962 R91		SUPPORT ASSY, SEAT
			NUT, 3/8-16 CD OR ZN-PLTD HEX. -2-
	105 608		NUT, 1/2 REGULAR SQ -2-
			PIN, 3/16 X 1-1/4 CD OR ZN-PLTD COT.
P	13 432		PIN, 5/8 X 4-5/8 STD-HD DLD
			SCREW, 3/8-16 X 3/4 CD OR ZN-PLTD HEX-HD CAP -2-
			SCREW, 1/2-13 X 1-1/4 CD OR ZN-PLTD HEX-HD CAP -2-
			WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2-
			WASHER, 1/2 CD OR ZN-PLTD MED LOCK -2-
	131 016		WASHER, 21/32 X 1-5/16 X 13 GA CD OR ZN-PLTD
3	469 123 R11		SLIDE ASSY, LOWER
4	469 120 R91		FRAME ASSY, HI-BACK PREMIER
9	413 946		NUT, 1/4 CD OR ZN-PLTD HEX. STOVER LOCK
	155 338		SCREW, 1/4 X 1/2 CD OR ZN-PLTD RD-HD MACH
	155 358		SCREW, 1/4 X 1 CD OR ZN-PLTD RD-HD MACH -3-
5	469 122 R91		CUSHION ASSY, PREMIER SEAT
			NUT, 5/16-24 CD OR ZN-PLTD HEX. -4-
			WASHER, 5/16 CD OR ZN-PLTD MED LOCK -4-
6	469 121 R91		BACKREST ASSY, PREMIER

3140 BACKHOE -13- SECTION C

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

FLOOR PLATE AND SEAT -CONTINUED

7	104 977 R1		RING, SLIDE HANDLE RETAINING
8	469 125 R1		SPRING, SLIDE ADJUSTING PLUNGER
9	469 124 R11		PLUNGER W/KNOB ASSY, SLIDE ADJUSTING
			WASHER, 11/32 X 11/16 X 16 GA
10	468 969 R1		HANDLE, SEAT PIVOT
			PIN, 1/8 X 1 CD OR ZN-PLTD COT.
	178 373 R1		WASHER, 17/32 X 1 X 16 GA CD OR ZN-PLTD
11	76 OS		SPRING, PIVOT HANDLE
12	468 968 R1		SADDLE, SEAT
			SCREW, 5/16-18 X 7/8 CD OR ZN-PLTD HEX-HD CAP -4-
			WASHER, 5/16 CD OR ZN-PLTD MED LOCK -4-
13	469 261 R91		PLATE ASSY, BACKHOE FLOOR
			-1963 TO 1964-
			-FURNISH 476 903 R91, 477 567 R1, 476 905 R1, 15 068 EB & 625 326 R1
			-INTERNATIONAL 3414 TRACTORS-
			NUT, 3/8-16 CD OR ZN-PLTD HEX. -2-
			SCREW, 3/8-16 X 3/4 CD OR ZN-PLTD HEX-HD CAP -2-
			SCREW, 1/2-13 X 1-1/4 CD OR ZN-PLTD HEX-HD CAP -2-
			WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2-
			WASHER, 1/2 CD OR ZN-PLTD MED LOCK -2-
14	469 264 R11		BRACKET ASSY, SEAT SUPPORT
			-1963 TO 1964-
			-FURNISH CONVERSION PACKAGE 476 922 R91-
			-INTERNATIONAL 3414 TRACTORS-
			SCREW, 5/16-18 X 3/4 CD OR ZN-PLTD HEX-HD CAP -2-
			WASHER, 5/16 CD OR ZN-PLTD MED LOCK -2-

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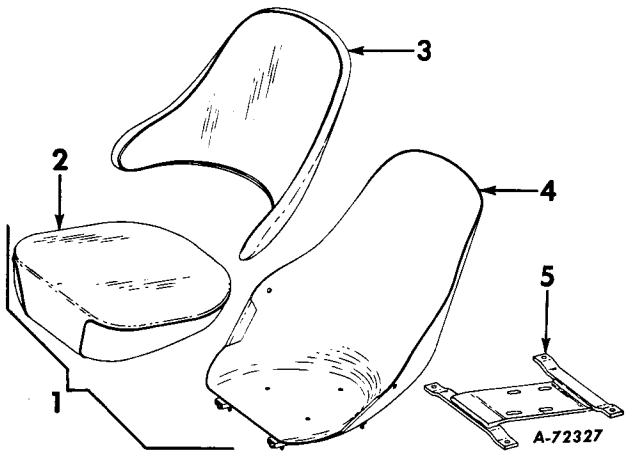
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SEAT -JR. ROAD KING- -SPECIAL-



1	470 440 R91	SEAT ASSY, DELUXE	
2	470 442 R91	CUSHION ASSY	
3	470 443 R91	BACKREST ASSY, SEAT	
		NUT, 1/4-20 CD OR ZN-PLTD HEX. -5-	
		WASHER, 1/4 CD OR ZN-PLTD INT-TOOTH LOCK -5-	
4	470 441 R91	SHELL ASSY, SEAT	
		NUT, 5/16-24 CD OR ZN-PLTD HEX. -4-	
		SCREW, 1/4-20 X 5/8 CD OR ZN-PLTD HEX-HD CAP -2-	
		WASHER, 5/16 CD OR ZN-PLTD MED LOCK -4-	
		WASHER, 1/4 CD OR ZN-PLTD INT-TOOTH LOCK -2-	
5	471 145 R11	BRACKET ASSY, DELUXE SEAT	
		NUT, 5/16-18 CD OR ZN-PLTD HEX. -4-	
		WASHER, 11/32 X 11/16 X .065 -4-	

COMPLETING PACKAGE -FIELD APPLICATION-
-SUBFRAME BOLTS & RELIEF VALVES- -NOTE-

474 612 R1	SPACER, LOADER SUBFRAME -2-	
220 096	NUT, 1-1/2-6 CD OR ZN-PLTD HEX. -2-	
474 613 R1	SCREW, 1-1/2-6 X 8-1/4 CAP -2-	
131 052	WASHER, 1-1/2 CD OR ZN-PLTD MED LOCK -2-	
383 796 R91	VALVE ASSY, RELIEF - 1600 PSI	
386 032 R91	VALVE ASSY, RELIEF - 2000 PSI	

NOTE -FOR INTERNATIONAL 340, 404, 460, 504, 606, 2404, 2504 & 2606 TRACTORS WITH 2000 LOADER-

3140 BACKHOE -14- SECTION C

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

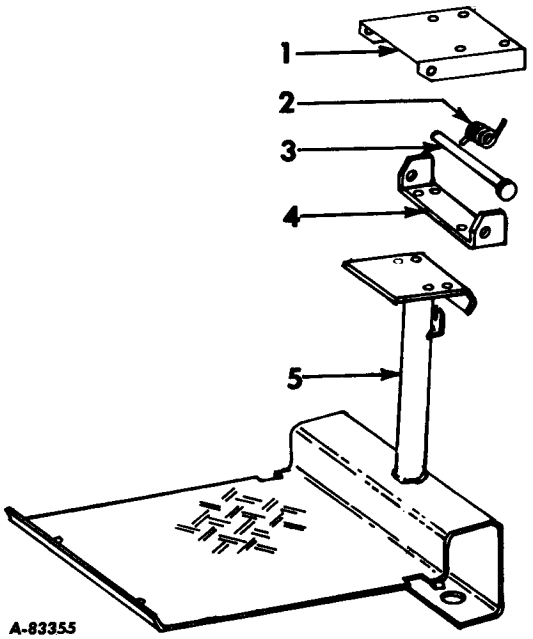
SEAT CONVERSION PACKAGE -FLIP-UP FEATURE
FOR USE ON I-3414 LOADER TRACTOR-

476 922 R91	SEAT, FIELD CONVERSION PACKAGE	
476 905 R2	SUPPORT, SEAT	
15 068 E8	SPRING, SEAT	
103 384	PIN, 1/8 X 3/4 COT.	
625 326 R1	PIN, 3/8 X 6 STD-HD	
120 394	WASHER, 13/32 X 13/16 X .051	
477 567 R1	BRACKET, SEAT	
102 634	NUT, 5/16-18 HEX. -4-	
179 818	SCREW, 5/16-18 X 1 HEX-HD CAP -4-	
103 320	WASHER, 5/16 MED LOCK -4-	

COMPLETING PACKAGE -FIELD APPLICATION-
-SUBFRAME BAR & MOUNTING BRACKETS -NOTE-

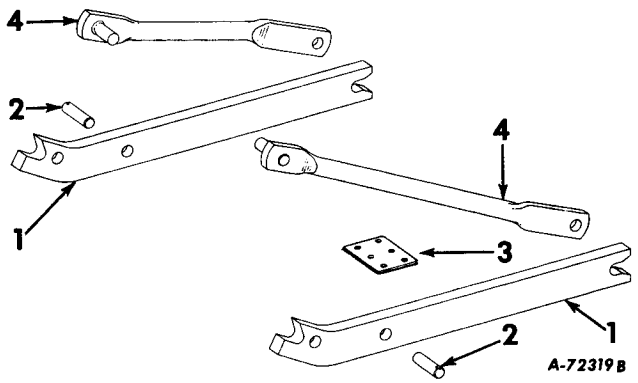
479 102 R1	BAR, SUBFRAME -2-	
479 104 R1	BAR, SPACER -2-	
479 103 R1	BOLT, U -2-	
220 088	NUT, 1-8 C-Z HEX. -4-	
131 048	WASHER, 1 C-Z MED LOCK -4-	
479 100 R1	BRACKET, WEIGHT MOUNTING LH	
479 101 R1	BRACKET, WEIGHT MOUNTING RH	
271 768	SCREW, 3/4-10 X 1-5/8 C-Z HEX-HD CAP -4-	
220 086	NUT, 3/4-10 C-Z HEX. -4-	
271 720	SCREW, 5/8-11 X 1-5/8 C-Z HEX-HD CAP -6-	
140 807	NIPPLE, 1/2 X 3 PIPE	
479 098 R91	PLATE ASSY, FRONT WEIGHT MOUNTING	
479 105 R1	ROD, FRONT WEIGHT BACKING	
42 691	NUT, 7/8-9 C-Z SQ	
220 087	NUT, 7/8-9 C-Z HEX.	
140 537	NIPPLE, 1/2 X 2 PIPE	
	NOTE - FOR T-340A OR TD-340A TRACTOR EQUIPPED W/600 OR 700 BLADE-	

SEAT SUPPORT -FLIP-UP FEATURE- -FOR I-3414 LOADER TRACTOR- -1965 AND SINCE-



REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
1	476 905 R2	SUPPORT, SEAT	
2	15 068 EB	SPRING, SEAT	
3	625 326 R1	PIN, 3/8 X 6 STD-HD	
	103 384	PIN, 1/8 X 3/4 COT.	
	120 394	WASHER, 13/32 X 13/16 X .051	
4	477 567 R1	BRACKET, SEAT	
	102 634	NUT, 5/16-18 HEX. -4-	
	179 818	SCREW, 5/16-18 X 1 HEX-HD CAP -4-	
	103 320	WASHER, 5/16 MED LOCK -4-	
5	476 903 R91	PEDESTAL ASSY, BACKHOE FLOOR PLATE	
	120 377	NUT, 3/8-16 C-Z HEX. -2-	
	180 077	SCREW, 5/16 X 3/4 C-Z HEX-HD CAP -4-	
	180 120	SCREW, 3/8-16 X 3/4 C-Z HEX-HD CAP -2-	
	180 175	SCREW, 1/2 X 1-1/4 C-Z HEX-HD CAP -2-	
	120 214	WASHER, 5/16 C-Z LOCK -4-	
	120 382	WASHER, 3/8 C-Z MED LOCK -2-	
	120 384	WASHER, 1/2 C-Z LOCK -2-	

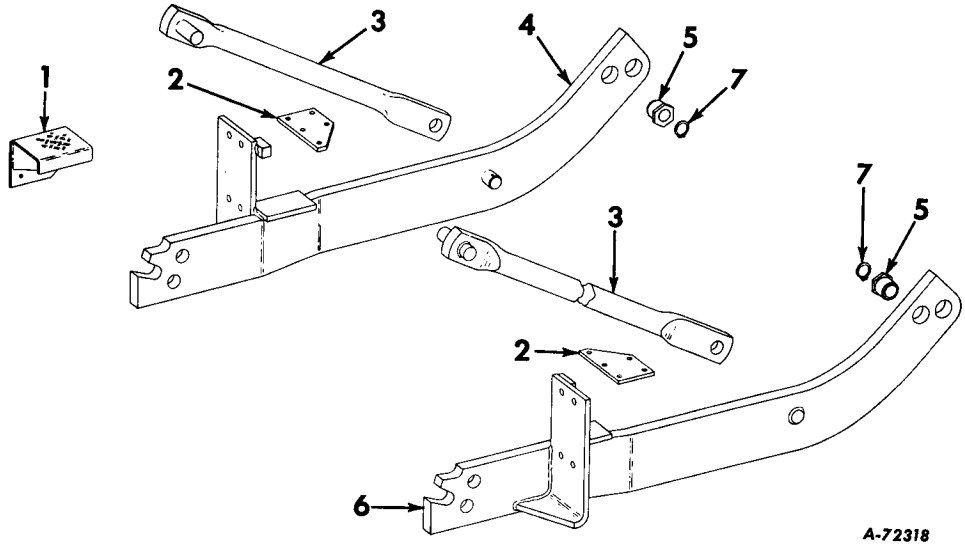
SUBFRAME AND FENDER BRACKETS -INTERNATIONAL 3414 LOADER TRACTORS-



REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
1	471 265 R1	SUBFRAME -2-	
2	469 195 R1	PIN, ANCHOR -2-	
Q	1 436	PIN, 3/8 X 2-9/16 STD-HD OLD -2-	
	177 923	PIN, 1/8 X 3/4 CD OR ZN-PLTD COT. -2-	
3	393 824 R1	BRACKET, LOWER FENDER -WILL WORK FOR 469 793 R1-	
	120 378	NUT, 1/2-13 CD OR ZN-PLTD HEX. -2-	
	180 175	SCREW, 1/2-13 X 1-1/4 C-Z HEX-HD CAP -2-	
	120 384	WASHER, 1/2 CD OR ZN-PLTD MED LOCK -2-	
4	469 086 R11	LINK ASSY, TIE -2-	
	193 244	PIN, 3/8 X 2-1/2 CD OR ZN-PLTD COT. -2-	

REF. NO.	PART NUMBER	DESCRIPTION	8KH-1

SUBFRAME & FENDER BRACKETS -INTERNATIONAL 340,460,504,606,2504 AND 2606 TRACTORS-



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1	470 455 R11	STEP ASSY, TRACTOR TO BACKHOE	
		NUT, 3/8-16 CD OR ZN-PLTD HEX.	-4-
		SCREW, 3/8-16 X 3/4 CD OR ZN-PLTD HEX-HD CAP	-4-
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK	-4-
		WASHER, 3/8 X 1-1/8 X 16 GA CD OR ZN-PLTD FLAT	-4-
2	469 549 R1	BRACKET, FENDER	-2-
		NUT, 1/2-13 CD OR ZN-PLTD HEX.	-4-
		SCREW, 1/2-13 X 1-1/8 CD OR ZN-PLTD HEX-HD CAP	-4-
3	469 181 R11	SUPPORT ASSY, MAIN FRAME	-2-
4	469 182 R11	SUBFRAME ASSY, LEFT	
		NUT, 5/8-11 CD OR ZN-PLTD HEX.	
		PIN, 1/4 X 2-1/4 CD OR ZN-PLTD COT.	
	19 827 R1	SCREW, 5/8-11 X 8 CD OR ZN-PLTD HEX-HD CAP	
		WASHER, 5/8 CD OR ZN-PLTD MED LOCK	
	551 183 R1	WASHER, 1-17/32 X 2-1/2 X 16 GA	
5	469 189 R1	CAM, SUBFRAME MOUNTING	-2-
6	469 183 R11	SUBFRAME ASSY, RIGHT	
		NUT, 5/8-11 CD OR ZN-PLTD HEX.	
		PIN, 1/4 X 2-1/4 CD OR ZN-PLTD COT.	
	19 827 R1	SCREW, 5/8-11 X 8 CD OR ZN-PLTD HEX-HD CAP	
		WASHER, 5/8 CD OR ZN-PLTD MED LOCK	
	551 183 R1	WASHER, 1-17/32 X 2-1/2 X 16 GA	
7	468 283 R1	RING, EXTERNAL RETAINING	-2-

3140 BACKHOE -16- SECTION C

REF. NO.	PART NUMBER	DESCRIPTION	8KH-1

SUBFRAME & FENDER BRACKETS -INTERNATIONAL -CONTINUED 340,460,504,606,2504 AND 2606 TRACTORS-

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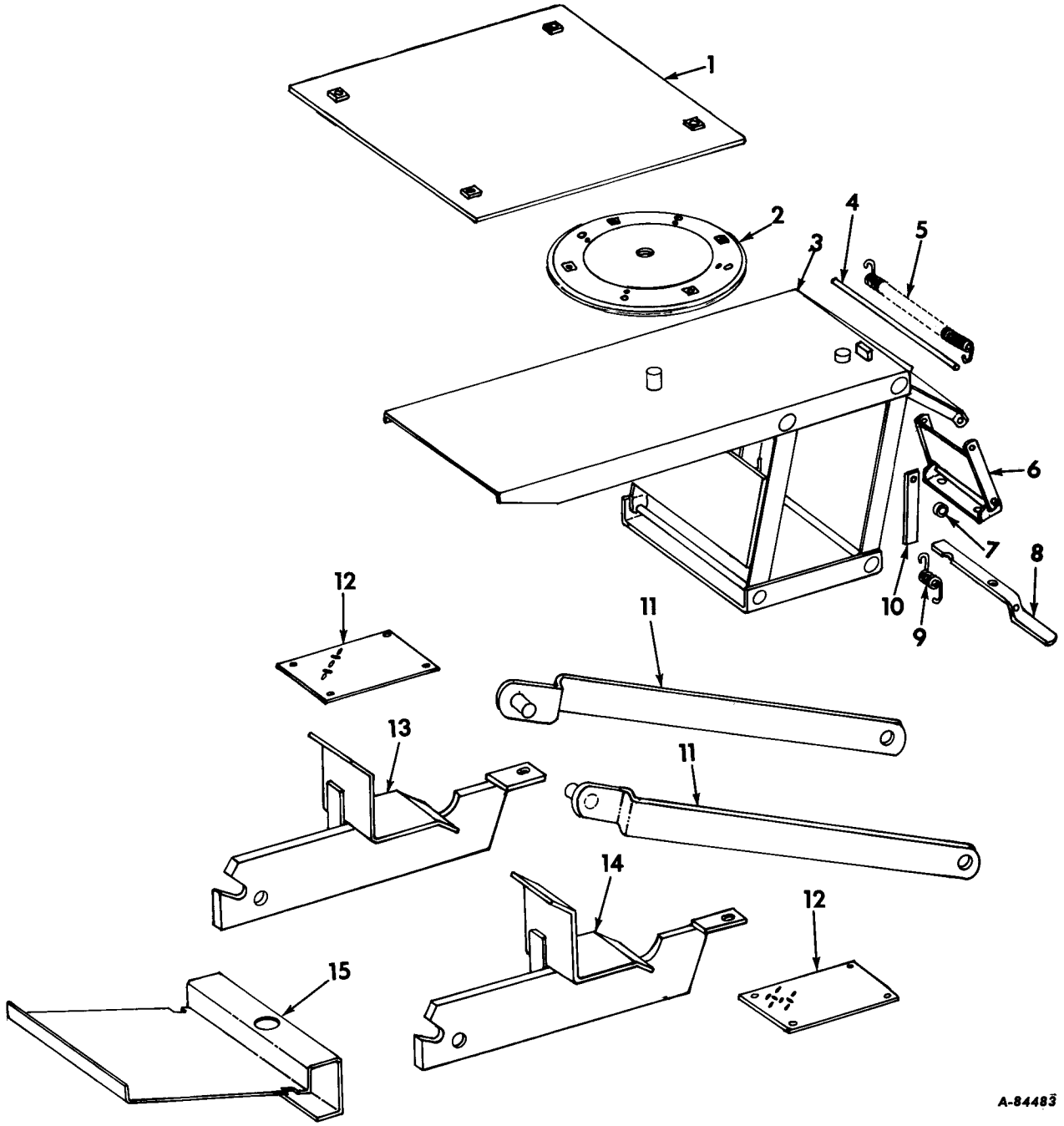
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME AND SEAT SUPPERT
-INTERNATIONAL 3514 & 3616 LOADER TRACTOR-



-17- SECTION C
3140 BACKHOE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME AND SEAT SUPPERT -CONTINUED
-INTERNATIONAL 3514 & 3616 LOADER TRACTOR-

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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		SUBFRAME AND SEAT SUPPERT -CONTINUED	
		-INTERNATIONAL 3514 & 3616 LOADER TRACTOR-	
1	480 721 R91	SWIVEL ASSY, SEAT	
2	476 838 R91	BEARING ASSY, LAZY SUSAN	
	436 750	SCREW, 10-32 X 1/2 PAN HD SLT MACH -4-	
	171 700	SCREW, 8-32 X 1/4 PAN HD SLTD TAPPIN -4-	
	121 841	WASHER, #8 LOCK -4-	
	120 217	WASHER, #10 LOCK -4-	
3	480 731 R91	BASE ASSY, SEAT	
	120 634	NUT, 5/16-18 HEX. -4-	
	107 763	PIN, 1/8 X 5/8 COT.	
	180 085	SCREW, 5/16-18 X 1-3/4 HEX-HD CAP -4-	
Q	1 597	WASHER, 13/32 X 3/4 X 16 GA	
4	480 703 R1	PIN, RETAINER	
	103 383	PIN, 1/8 X 1/2 COT. -2-	
Q	397	WASHER, 11/32 X 3/4 X 16 GA -4-	
5	481 633 R1	SPRING, SEAT RETAINER	
6	480 725 R91	BRACKET ASSY, MOUNTING LIFT	
	120 376	NUT, 5/16-18 C-Z HEX. -6-	
	180 077	SCREW, 5/16-18 X 3/4 C-Z HEX-HD CAP -6-	
	120 214	WASHER, 5/16 C-Z MED LOCK -6-	
Q	1 505	WASHER, 13/32 X 1 X 16 GA	
7	481 895 R1	WASHER, SEAT SAFETY STRAP	
8	476 840 R1	LATCH, LEVER	
9	476 962 R1	SPRING, LATCH	
10	481 894 R1	BAR, SEAT SAFETY STRAP	
11	480 715 R91	BAR ASSY, BACKHOE TIE -2-	
	193 244	PIN, 3/8 X 2-1/2 C-Z COT. -2- IN TRACTOR FRAME	
	551 183 R1	WASHER, 1-17/32 X 2-1/2 X 16 GA USE 1 WITH EACH TIE BAR ASSY OR AS REQD.	
12	481 076 R1	TREAD, FENDER -2-	
	171 754	SCREW, 1/4-20 X 1/2 C-Z PAN-HD SLT TAPPING -8-	
13	480 707 R91	BRACKET ASSY, SUBFRAME LH	
	271 611	SCREW, 3/4-10 X 2 HEX-HD CAP	
14	480 708 R91	BRACKET ASSY, SUBFRAME RH	
	271 611	SCREW, 3/4-10 X 2 HEX-HD CAP	
15	468 963 R11	PLATE ASSY, FLOOR	
	120 377	NUT, 3/8-16 C-Z HEX. -2-	
	180 175	SCREW, 1/2-13 X 1-1/4 C-Z HEX-HD CAP -2-	
	180 121	SCREW, 3/8-16 X 7/8 C-Z HEX-HD CAP -2-	
	120 382	WASHER, 3/8 C-Z MED LOCK -2-	
	120 384	WASHER, 1/2 C-Z MED LOCK -2-	

3140 BACKHOE -18- SECTION C

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

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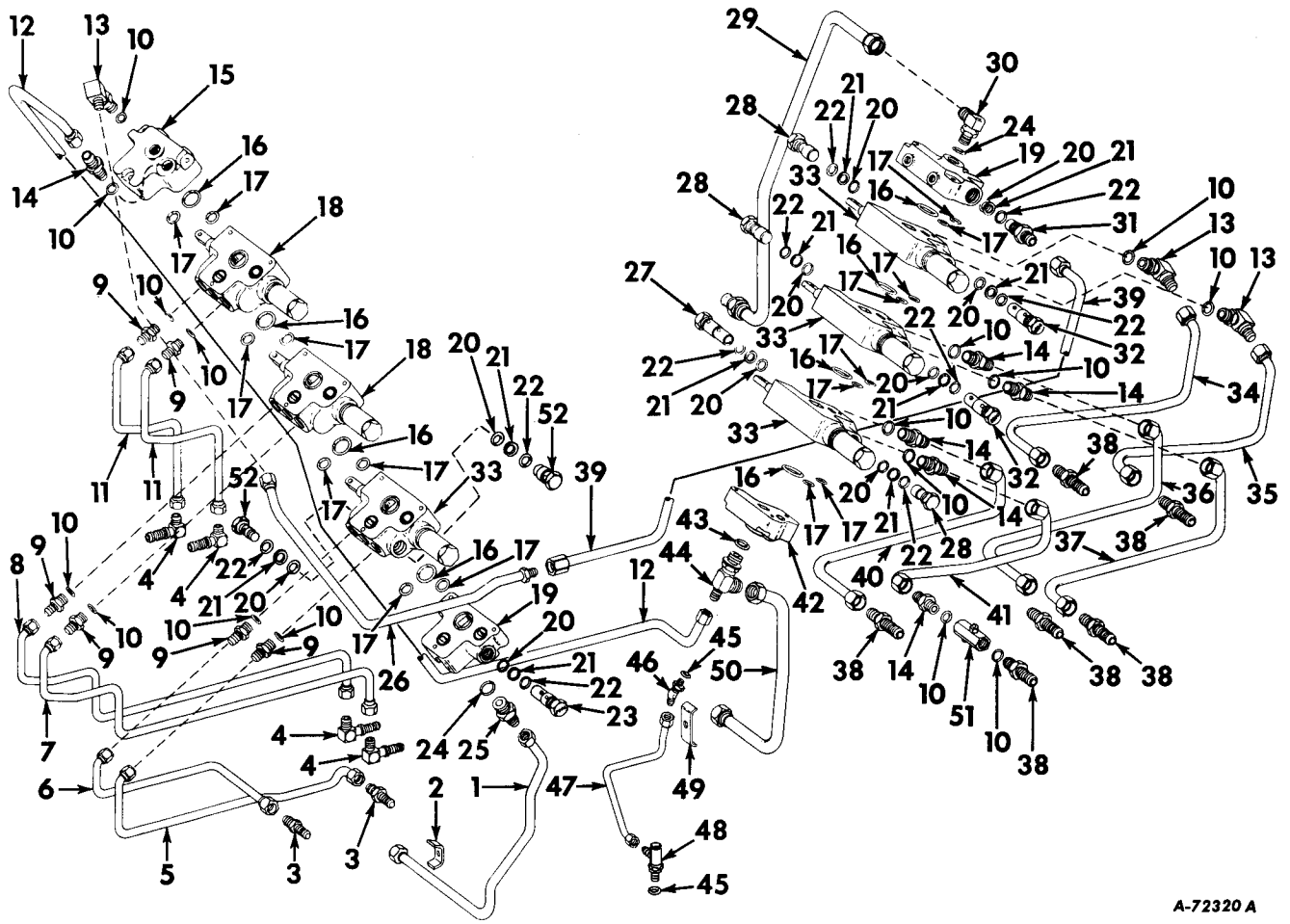
CONTROL VALVES AND TUBES



REF. NO.	PART NUMBER	DESCRIPTION
1	469 991 R11	TUBE ASSY, 7 GAL. PRESSURE INLET
2	470 245 R1	CLAMP, TUBE
		NUT, 1/2-13 CD OR ZN-PLTD HEX.
	180 181	SCREW, 1/2-13 X 2 CD OR ZN-PLTD HEX-HD CAP
		WASHER, 1/2 CD OR ZN-PLTD MED LOCK
3	9 403 255	UNION, 3/4-16 CD OR ZN-PLTD FLARED TUBE -2-
	9 403 294	NUT, 3/4-16 CD OR ZN-PLTD BULKHEAD UNION LOCK -2-
	138 561	WASHER, 3/4 CD OR ZN-PLTD INT-TOOTH LOCK -2-
4	469 997 R1	ELBOW, 3/4-16 CD OR ZN-PLTD TUBE -4-
	9 403 294	NUT, 3/4-16 CD OR ZN-PLTD BULKHEAD UNION LOCK -4-
	138 561	WASHER, 3/4 CD OR ZN-PLTD INT-TOOTH LOCK -4-
5	469 986 R11	TUBE ASSY, VALVE TO SWING RH
6	469 985 R11	TUBE ASSY, VALVE TO SWING LH
7	469 987 R11	TUBE ASSY, VALVE TO STABILIZER RH LARGE END
8	469 988 R11	TUBE ASSY, VALVE TO RIGHT STABILIZER ROD END
9	481 352 R1	CONNECTOR, 3/8 X 1/2 REDUCING -6-
10	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -16-
11	469 989 R11	TUBE ASSY, VALVE TO LEFT STABILIZER -2-
12	469 994 R11	TUBE ASSY, 7 GAL. RETURN
13	9 410 978	ELBOW, 7/8-14 TUBE ADJ 90 ELBOW -3-
14	9 410 204	CONNECTOR, 7/8-14 CD OR ZN-PLTD TUBE SWIVEL -6-
15	380 975 R1	COVER, CONTROL VALVE -FOR STABILIZER AND SWING CONTROL VALVE-
16	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32 -8-
17	381 884 R1	O-RING, 1 X 1-3/16 X 3/32 -16- -FOR OPEN CENTER VALVE-SMALL-

-19- SECTION C
3140 BACKHOE
BKH-1
CONTROL VALVES AND TUBES -CONTINUED

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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		CONTROL VALVES AND TUBES -CONTINUED	
18	383 271 R92	VALVE ASSY, OPEN CENTER W/O ACCESSORY VALVE CHAMBER -STABILIZER CYL CONTROL- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF VALVES- -2-	
19	380 976 R1	COVER, CONTROL VALVE -2-	
	20 059 R1	NUT, 3/8-16 CD OR ZN-PLTD HEX. -6-	
		SCREW, 3/8-16 X 9-1/4 HEX-HD CAP -6-	
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK -6-	
20	383 219 R1	O-RING, 15/16 X 1-1/8 X 3/32 -10-	
21	378 985 R2	WASHER, BACK-UP -10-	
22	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32 -10-	
23	388 208 R91	VALVE ASSY, PILOT RELIEF -2000 P.S.I.-	
24	297 459 R1	O-RING, 1-3/64 X 1-9/32 X 1/8 -2-	
25	469 736 R1	CONNECTOR, 7/8 X 5/8 REDUCING	
26	469 992 R11	TUBE ASSY, 7 GAL. CARRY OVER	
27	382 928 R91	VALVE ASSY, CUSHION RELIEF -2000 P.S.I.-	
28	378 899 R1	PLUG, RELIEF VALVE CHAMBER -3-	
29	383 378 R11	TUBE ASSY, 17 GAL. PRESSURE -FOR 3414 3514 AND 3616 LOADER TRACTOR-	
29	469 995 R11	TUBE ASSY, 17 GAL. PRESSURE	
30	9 410 980	ELBOW, 7/8-14 CD OR ZN-PLTD ADJ 90 DEG	
31	469 999 R1	CONNECTOR, RELIEF VALVE	
32	382 479 R91	VALVE ASSY, CUSHION RELIEF -2500 P.S.I. -2-	
33	383 270 R92	VALVE ASSY, OPEN CENTER W/ACCESSORY VALVE CHAMBER -WITH 7/8 IN. SPOOL- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF VALVES- -4-	
34	469 980 R11	TUBE ASSY, VALVE TO BUCKET - ROD END	
35	469 979 R11	TUBE ASSY, VALVE TO BUCKET	
36	469 984 R11	TUBE ASSY, VALVE TO CROWD - ROD END	
37	469 983 R11	TUBE ASSY, VALVE TO CROWD - LARGE END	
38	9 403 256	UNION, 7/8-14 CD OR ZN-PLTD TUBE -6-	
	9 403 295	NUT, 7/8-14 CD OR ZN-PLTD BULKHEAD UNION LOCK -6-	
	138 566	WASHER, 7/8 CD OR ZN-PLTD INT-TOOTH LOCK -6-	
39	469 993 R11	TUBE ASSY, HIGH PRESSURE CARRY OVER	
40	469 982 R11	TUBE ASSY, VALVE TO LIFT - ROD END	
41	469 981 R11	TUBE ASSY, VALVE TO LIFT - LARGE END	
42	380 974 R1	COVER, CONTROL VALVE	
43	296 247 R1	O-RING, 1-11/64 X 1-13/32 X 7/64	
44	470 244 R1	TEE, ADAPTER	
45	364 839 R1	O-RING, 15/32 X 5/8 X 5/64 -2-	
46	9 411 104	ELBOW, 9/16-18 CD OR ZN-PLTD TUBE 45 DEG	
47	470 961 R11	TUBE ASSY, SWING MECHANISM DRAIN	
48	471 521 R91	VALVE ASSY, O-RING BOSS 90 DEG CHECK -1963 TO 1965-	
48	9 410 936	ELBOW, O-RING BOSS 90 DEG ADJ -1965 AND SINCE-	

3140 BACKHOE -20- SECTION C

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		CONTROL VALVES AND TUBES -CONTINUED	
49	469 996 R1	CLAMP, DOUBLE TUBE	
		NUT, 1/2-13 CD OR ZN-PLTD HEX.	
		SCREW, 1/2-13 X 2-1/4 CD OR ZN-PLTD HEX-HD CAP	
		WASHER, 1/2 CD OR ZN-PLTD MED LOCK	
50	469 990 R11	TUBE ASSY, DUMP LINE	
50	383 379 R11	TUBE ASSY, DUMP LINE -FOR 3414 LOADER TRACTOR-	
51	470 776 R91	VALVE ASSY, FLOW CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF VALVES-	
52	387 229 R91	VALVE ASSY, ANTI-CAVITATION -2- -FOR SWING CONTROL VALVE-	

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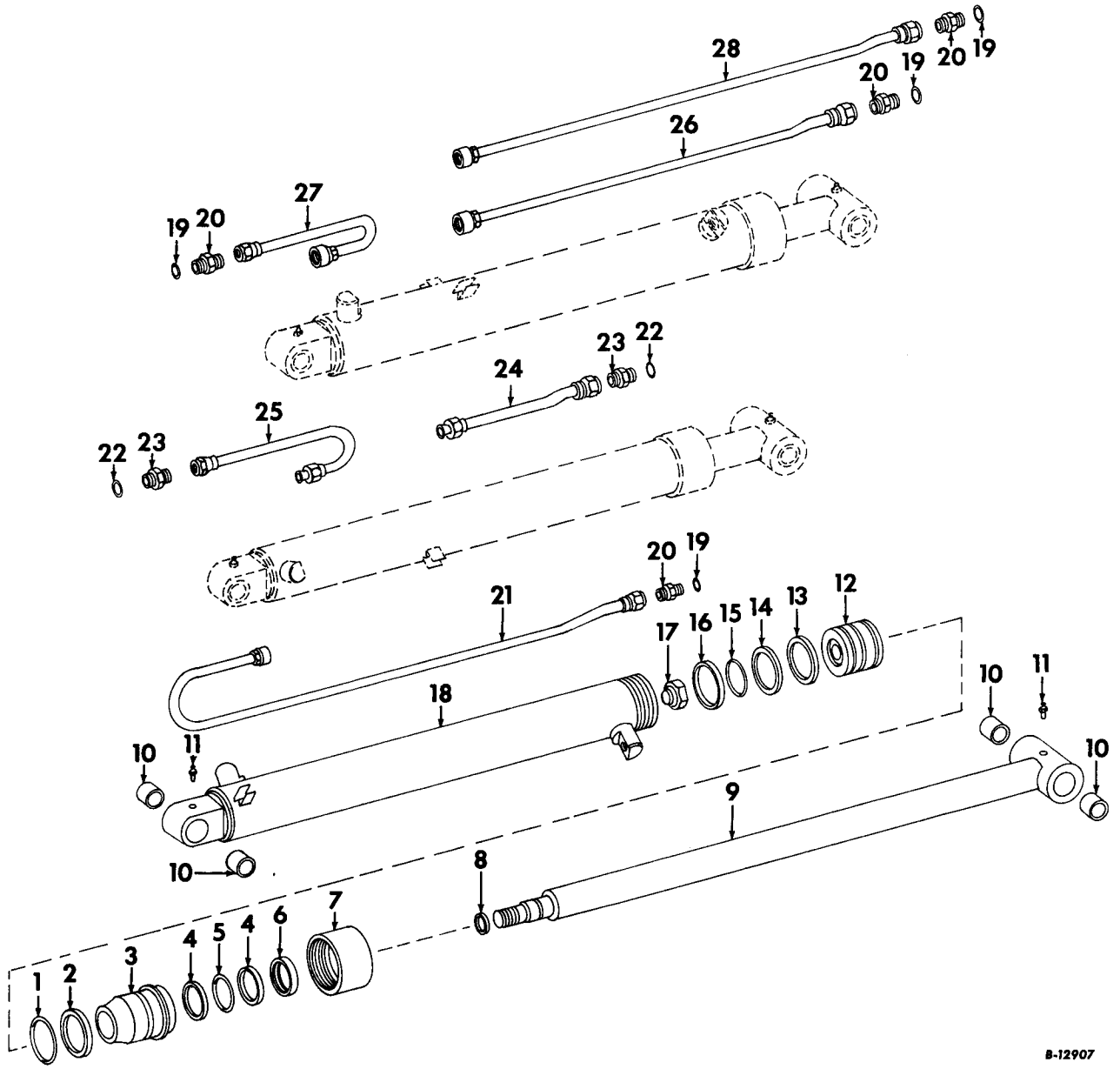
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CYLINDERS



385 612 R91 CYLINDER ASSY, 3-1/2 X 18.19 -FOR LEFT STABILIZER- -DOUBLE ACTION- -UNIT A-

385 613 R91 CYLINDER ASSY, 3-1/2 X 18.19 -FOR RIGHT STABILIZER- -DOUBLE ACTION- -UNIT B-

385 616 R91 CYLINDER ASSY, 4 X 33.7 -FOR LIFT- DOUBLE ACTION -UNIT C-

3140 BACKHOE -21- SECTION C

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CYLINDERS -CONTINUED

385 609 R91 CYLINDER ASSY, 3-1/2 X 27 -FOR BUCKET- -DOUBLE ACTION- -UNIT D-

385 620 R91 CYLINDER ASSY, 4 X 39.5 -FOR CROWD- -DOUBLE ACTION -UNIT E-

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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	HYDRAULIC CYLINDERS -CONTINUED		
		NOTE -LETTERS OF THESE UNITS CORRESPOND WITH THOSE SHOWN, FOLLOWING THE DESCRIPTION OF THE PARTS IN THE LIST BELOW AND IDENTIFY THE UNIT FOR WHICH THE PART IS USED. ITEMS WITHOUT LETTERS AFTER THE DESCRIPTION INDICATE THE PART IS USED FOR ALL UNITS.	
1	352 216 R1	O-RING, 3-1/8 X 3-1/2 X 3/16 -FRONT HEAD- -UNIT A, B AND D-	
1	252 736 R1	O-RING, 3-5/8 X 4 X 3/16 -FRONT HEAD- -UNIT C AND E-	
2	381 088 R1	WASHER, FRONT HEAD BACK-UP -UNIT A, B AND D-	
2	381 107 R1	WASHER, FRONT HEAD BACK-UP -UNIT C AND E-	
3	381 080 R1	HEAD, FRONT -UNIT A, B AND D-	
3	381 106 R1	HEAD, FRONT -UNIT C AND E-	
4	381 083 R1	WASHER, PISTON ROD BACK-UP -2-	
5	381 082 R1	O-RING, PISTON ROD	
6	327 219 R91	WIPER, PISTON ROD	
7	381 089 R1	RING, FRONT HEAD RETAINING -UNIT A, B AND D-	
7	381 111 R1	RING, FRONT HEAD RETAINING -UNIT C AND E-	
8	252 483 R1	O-RING, 1-1/4 X 1-1/2 X 1/8 -PISTON ROD- -UNIT A, B AND D-	
8	293 739 R1	O-RING, 1-3/8 X 1-5/8 X 1/8 -PISTON ROD- -UNIT C AND E-	
9	381 097 R21	ROD W/BUSHING, PISTON -UNIT A AND B-	
9	384 254 R11	ROD W/BUSHING, PISTON -UNIT C-	
9	381 078 R21	ROD W/BUSHING, PISTON -UNIT D-	
9	384 816 R11	ROD W/BUSHING, PISTON -UNIT E-	
10	468 280 R1	BUSHING -UNIT A, B AND D- -4-	
10	468 366 R1	BUSHING -UNIT C AND E- -4-	
11	109 461	FITTING, 1/8-27 PTF STR LUB -2 FOR UNIT A & B- -1 FOR UNIT C, D & E-	
11	126 152	FITTING, 1/8-27 PTF 45 DEG ANGLE LUB -1 FOR UNIT C, D & E-	
12	381 084 R2	PISTON -UNIT A, B AND D-	
12	384 255 R1	PISTON -UNIT C AND E-	
13	381 085 R1	RING, PISTON BEARING FRONT -UNIT A, B AND D-	
13	381 112 R1	RING, PISTON BEARING - FRONT -UNIT C AND E-	
14	381 086 R1	SEAL, PISTON -UNIT A, B AND D-	
14	381 110 R1	SEAL, PISTON -UNIT C AND E-	
15	380 910 R1	O-RING, 3 X 3-3/16 X 3/32 -PISTON SEAL- -UNIT A, B AND D-	
15	381 109 R1	O-RING, 3-1/2 X 3-11/16 X 3/32 -PISTON SEAL- -UNIT C AND E-	
16	383 005 R1	RING, PISTON BEARING REAR -UNIT A, B AND D-	

3140 BACKHOE -22- SECTION C

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	HYDRAULIC CYLINDERS -CONTINUED		
16	383 006 R1	RING, PISTON BEARING REAR -UNIT C AND E-	
17	20 251 R1	NUT, 1-1/8 UNF CD OR ZN-PLTD CONELOK -UNIT A, B AND D-	
17	384 817 R1	NUT, 1-1/2 UNF CD OR ZN-PLTD LOCK -UNIT C AND E-	
18	385 614 R91	CYLINDER W/BUSHING, HYD LH -UNIT A-	
18	385 615 R91	CYLINDER W/BUSHING, HYD RH -UNIT B-	
18	385 617 R91	CYLINDER W/BUSHING, HYD -UNIT C-	
18	385 610 R91	CYLINDER W/BUSHING, HYD -UNIT D-	
18	385 621 R91	CYLINDER W/BUSHING, HYD -UNIT E-	
19	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -2- -UNIT C, D AND E	
20	9 410 204	CONNECTOR, 7/8-14 37 DEG FLARED SHORT SWIVEL -UNIT C, D AND E-	
21	474 284 R11	TUBE ASSY, BUCKET CYL RETURN -UNIT D-	
22	570 828 R1	O-RING, .644 X .087 -2- -UNIT A AND B-	
23	9 410 203	CONNECTOR, 3/4-16 37 DEG FLARED SHORT SWIVEL -2- -UNIT A AND B-	
24	474 286 R11	TUBE ASSY, STABILIZER CYL REAR -UNIT A AND B	
25	474 285 R11	TUBE ASSY, STABILIZER CYL FRONT -UNIT A AND B-	
26	474 287 R11	TUBE ASSY, LIFT CYL ROD END -UNIT C-	
27	474 288 R11	TUBE ASSY, LIFT CYL HEAD END -UNIT C AND E-	
28	474 289 R11	TUBE ASSY, CROWD CYL LIFT END -UNIT E-	
	471 267 R91	PACKAGE, HYD CYL SERVICE -UNIT A, B AND D- CONSISTS OF-	
		1 O-RING 252 483 R1	
		1 O-RING 352 216 R1	
		1 O-RING 380 910 R1	
		1 O-RING 381 082 R1	
		1 O-RING 381 085 R1	
		1 RING 383 005 R1	
		1 SEAL 381 086 R1	
		2 WASHER 381 083 R1	
		1 WASHER 381 088 R1	
		1 WIPER 327 219 R91	
	471 266 R92	PACKAGE, HYD CYL SERVICE -UNIT C- CONSISTS OF-	
		1 O-RING 252 483 R1	
		1 O-RING 252 736 R1	
		1 O-RING 381 082 R1	
		1 O-RING 381 107 R1	
		1 O-RING 381 109 R1	
		1 O-RING 381 112 R1	
		1 O-RING 293 739 R1	
		1 RING 383 006 R91	
		1 SEAL 381 110 R1	
		2 WASHER 381 083 R1	
		1 WIPER 327 219 R91	

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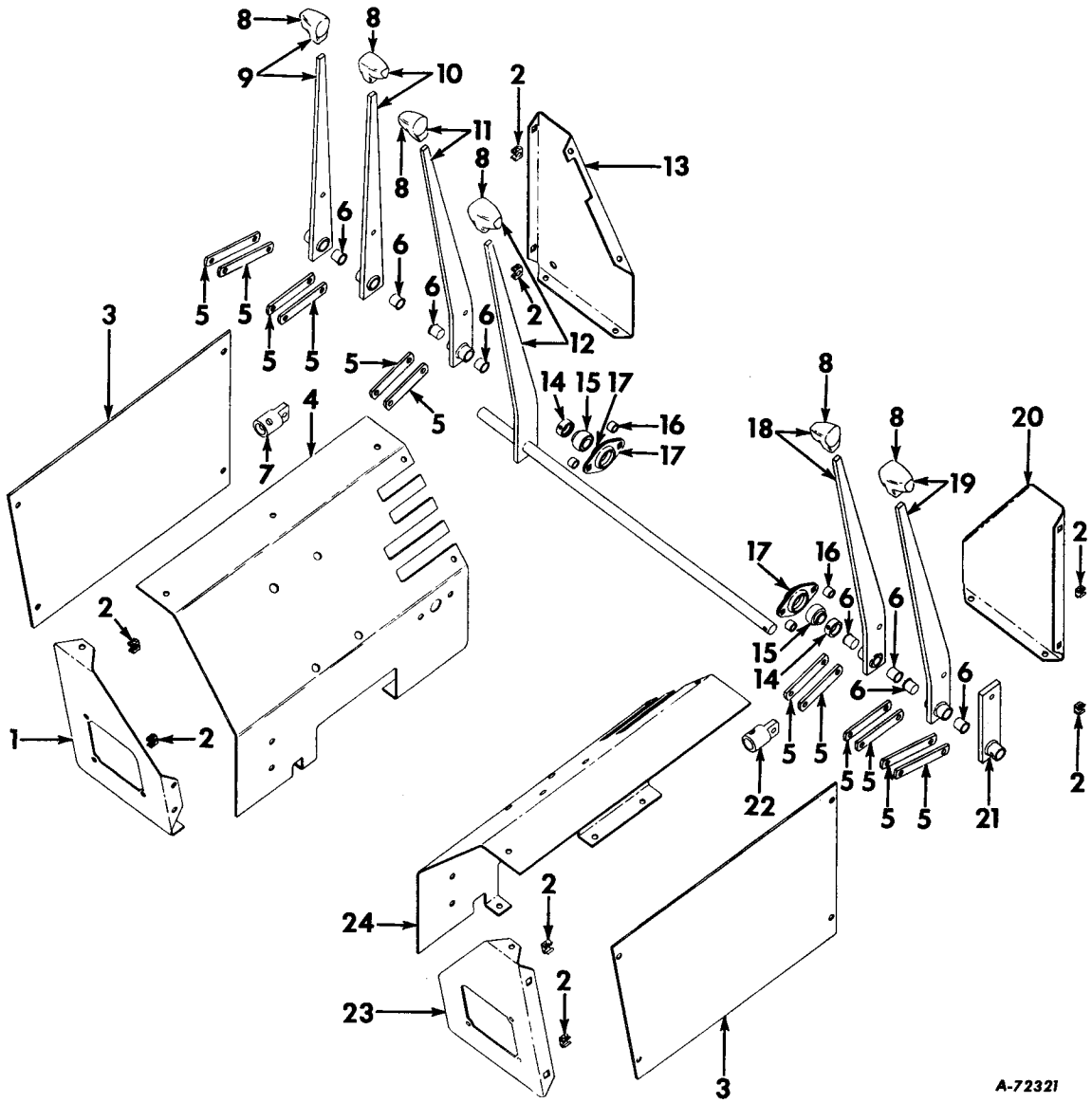
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONTROLS



1	468 735 R1	PLATE, LEFT REAR VALVE COVER NUT, 3/8-16 CD OR ZN-PLTD HEX. -2- SCREW, 3/8-16 X 1 CD OR ZN-PLTD HEX-HD CAP -2- WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2-
2	459 063 R1	RETAINER, 5/16 SPEED GRIP NUT -8-
3	468 739 R1	PLATE, LEFT SIDE VALVE COVER -2- SCREW, 5/16-18 X 5/8 CD OR ZN-PLTD HEX-HD CAP -8-
4	468 741 R1	PLATE, LEFT VALVE MOUNTING NUT, 5/16-18 CD OR ZN-PLTD -5- NUT, 3/8-16 CD OR ZN-PLTD HEX. -3- SCREW, 5/16-18 X 5/8 CD OR ZN-PLTD HEX-HD CAP -5- SCREW, 3/8-16 X 1 CD OR ZN-PLTD HEX-HD CAP -3- SCREW, 1/2-13 X 7/8 CD OR ZN-PLTD HEX-HD CAP -4- WASHER, 5/16 CD OR ZN-PLTD MED LOCK -5- WASHER, 3/8 CD OR ZN-PLTD MED LOCK -3- WASHER, 1/2 CD OR ZN-PLTD MED LOCK -4-

3140 BACKHOE -23- SECTION C

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONTROLS -CONTINUED

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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONTROLS -CONTINUED	
5	468 743 R1	LINK, CONTROL LEVERS -12-	
B	92 1/2	PIN, 3/8 X 7/8 STD-HD -12-	
		PIN, 1/8 X 3/4 CD OR ZN-PLTD COT. -12-	
6	185 062 R1	BEARING, CONTROL LEVER FLANGED -8-	
7	471 531 R1	LINK, SPOOL ACTUATING LEFT -3-	
	17 158 R1	PIN, 1/2 X 1-1/4 ESNA ROLL -3-	
8	468 708 R1	KNOB, CONTROL LEVER -6-	
9	468 709 R91	LEVER W/KNOB, LEFT STABILIZER CONTROL	
10	468 710 R91	LEVER W/KNOB, RIGHT STABILIZER CONTROL	
11	468 713 R91	LEVER W/KNOB, SWING CONTROL	
12	468 705 R91	LEVER AND SHAFT ASSY, BUCKET CONTROL	
13	468 737 R1	PLATE, LEFT FRONT VALVE COVER	
		NUT, 3/8-16 CD OR ZN-PLTD HEX. -2-	
		SCREW, 3/8-16 X 1 CD OR ZN-PLTD HEX-HD CAP -2-	
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2-	
14	455 958 R11	COLLAR ASSY, CONTROL LEVER BALL BEARING LOCKING -2-	
15	455 957 R91	BEARING, CONTROL LEVER BALL -2-	
16	469 925 R1	SPACER, CONTROL BEARING -4-	
17	469 924 R1	FLANGE, CONTROL LEVER BALL BEARING MOUNTING -4-	
		NUT, 5/16-18 CD OR ZN-PLTD HEX. -4-	
		SCREW, 5/16-18 X 1 CD OR ZN-PLTD HEX-HD CAP -4-	
		WASHER, 5/16 CD OR ZN-PLTD EXT-TOOTH LOCK -4-	
18	468 717 R91	LEVER, LIFT CONTROL	
19	468 714 R91	LEVER W/KNOB, CROWD CYL CONTROL	
20	468 738 R1	PLATE, RIGHT FRONT VALVE COVER	
		NUT, 3/8-16 CD OR ZN-PLTD HEX. -2-	
		SCREW, 3/8-16 X 1 CD OR ZN-PLTD HEX-HD CAP -2-	
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2-	
21	468 396 R11	LEVER, BUCKET CONTROL	
	106 751	KEY, 3/16 X 3/4 WOODRUFF 9	
	139 074	SCREW, 3/8-24 X 5/16 HEX-SOC-HD CUP-PT SET	
22	471 532 R1	LINK, SPOOL ACTUATING RIGHT -3-	
	17 158 R1	PIN, 1/2 X 1-1/4 ESNA ROLL -3-	
23	468 736 R1	PLATE, RIGHT REAR VALVE COVER	
		NUT, 3/8-16 CD OR ZN-PLTD HEX. -2-	
		SCREW, 3/8-16 X 1 CD OR ZN-PLTD HEX-HD CAP -2-	
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2-	
24	468 742 R1	PLATE, RIGHT VALVE MOUNTING	
		NUT, 5/16-18 CD OR ZN-PLTD HEX. -5-	
		NUT, 3/8-16 CD OR ZN-PLTD HEX. -3-	
		SCREW, 5/16-18 X 5/8 CD OR ZN-PLTD HEX-HD CAP -5-	
		SCREW, 3/8-16 X 1 CD OR ZN-PLTD HEX-HD CAP -3-	
		SCREW, 1/2-13 X 7/8 CD OR ZN-PLTD HEX-HD CAP -4-	
		WASHER, 5/16 CD OR ZN-PLTD MED LOCK -5-	
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK -3-	
		WASHER, 1/2 CD OR ZN-PLTD MED LOCK -4-	

3140 BACKHOE -24- SECTION C

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

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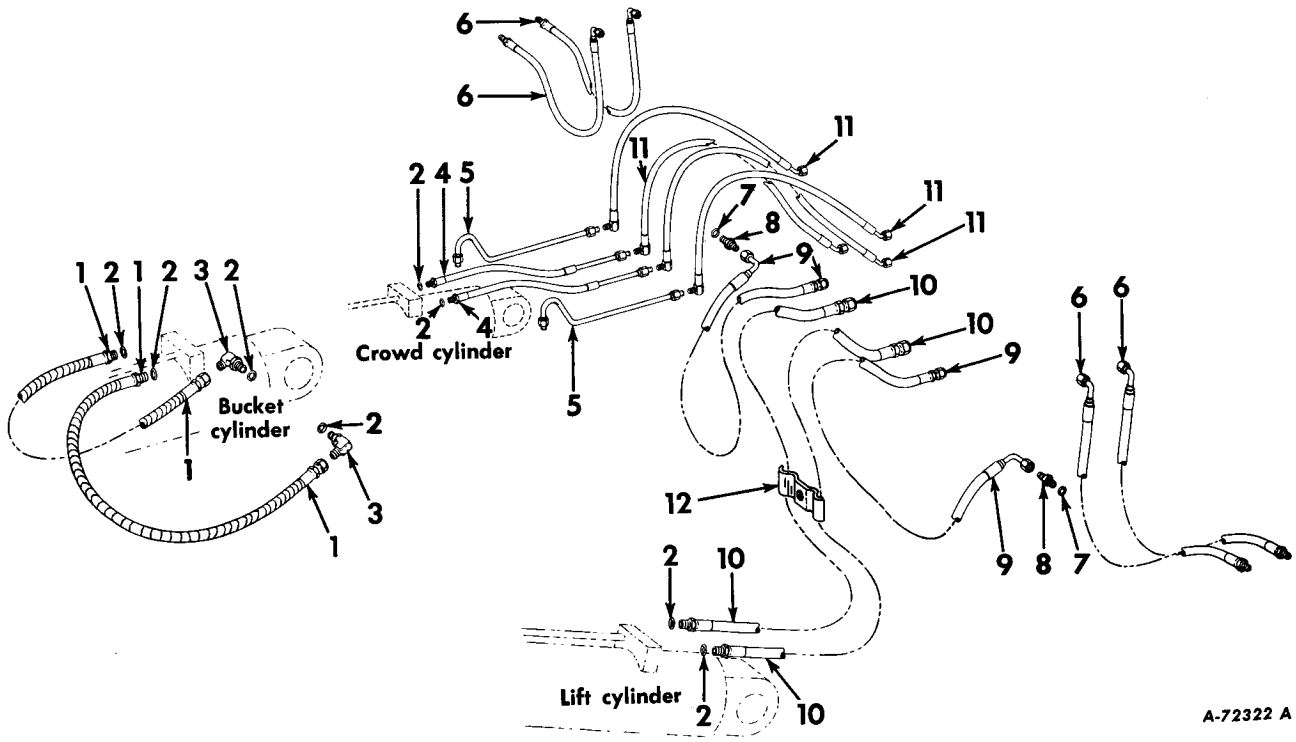
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS - BASIC-

3140 BACKHOE -25- SECTION C

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS - BASIC- -CONTINUED



1		472 789 R91	HOSE ASSY, HYD 53 IN. LONG -2- -BOOM TO BUCKET CYLINDER-
2		364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -8-
3	9	410 978	ELBOW, 7/8-14 TUBE ADJ 90 DEG ELBOW -2-
4		471 922 R91	HOSE ASSY, HYD -34 IN. LONG -2- -BOOM HOSE TO CROWD CYLINDER-
5		471 932 R11	TUBE ASSY, BOOM TO HOSE -2-
6		470 256 R91	HOSE ASSY, HYD - 24 IN. LONG- -4- -BULKHEAD TO STABILIZER CYLINDER-
7		364 839 R1	O-RING, 15/32 X 5/8 X 5/64 -2-
8	9	410 202	CONNECTOR, 9/16-18 CD OR ZN-PLTD TUBE -2-
9		470 255 R91	HOSE ASSY, HYD -401N. LONG- -2- -BULKHEAD TO SWING-
10		470 253 R91	HOSE ASSY, HYD -51 IN. LONG- -2- -BULKHEAD TO LIFT CYLINDER-
11		471 923 R91	HOSE ASSY, HYD -41-1/2 IN. LONG- -4- -BULKHEAD TO BOOM-
12		469 998 R1	CLAMP, HYD HOSE
		120 238	NUT, 1/2-13 CD OR ZN-PLTD HEX. NUT, 1/2-13 CD OR ZN-PLTD HEX. JAM

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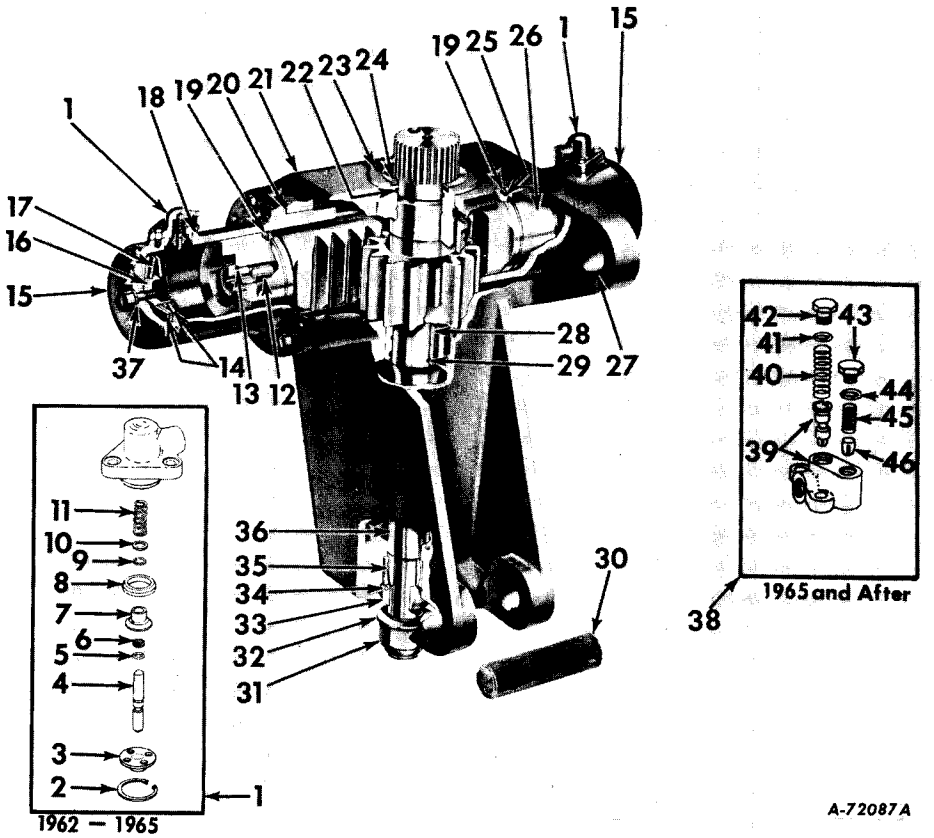
SWING MECHANISM



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REF. NO.	PART NUMBER	DESCRIPTION
1	468 972 R13	VALVE ASSY, DECELERATOR -2- -ORDER VALVE 392 941 R91, 3 SCREWS 138 221 AND O-RING 481 767 R1-
	138 221	SCREW, 5/16-18 X 3/4 HEX-HD SOCKET CAP -6-
2		RING, VALVE PIN GUIDE INTERNAL RETAINING -2- -ORDER 392 941 R91-
3		GUIDE, VALVE PIN -2- -ORDER 392 941 R91-
4		PIN, VALVE ACTUATING -2- -ORDER 392 941 R91-
5		O-RING, 3/16 X 5/16 X 1/16 -2- -ORDER 392 941 R91-
6		RING, VALVE PIN BACKUP -2- -ORDER 392 941 R91-
7		VALVE, POPPET -2- -ORDER 392 941 R91-
8		SEAT, VALVE -2- -ORDER 392 941 R91-
9		RING, VALVE PIN EXT RETAINING -2- -ORDER 392 941 R91-
10		WASHER, VALVE PIN SPRING RETAINING -2- -ORDER 392 941 R91-
11		SPRING, VALVE -2- -ORDER 392 941 R91-
12	382 992 R91	VALVE ASSY, SWING PISTON SAFETY -2-
12	394 311 R91	VALVE ASSY, SWING PISTON SAFETY -2- -FOR USE ON 3514 AND 3616 TRACTOR-
13	296 247 R1	O-RING, 1-11/64 X 1-13/32 X 7/64 -2-
14	468 345 R1	SPRING, SWING PISTON BUMPER -4-
15	468 341 R1	CYLINDER, BACKHOE SWING -2- -1962 TO 1965-
	479 914 R1	SCREW, 1/2-13 X 1-1/2 HEX-HD CAP -12 SCREW, 1/2-13 X 1-1/2 CD OR ZN-PLTD HEX-HD CAP -2-
	11 002 VA	WASHER, 17/32 X 7/8 X 16 GA -2-
15	481 807 R1	CYLINDER, BACKHOE SWING -2- -1965 AND SINCE-
	484 667 R1	SCREW, 5/8-11 X 1-1/2 HEX-HD CAP -16- -1965 AND SINCE-
	180 177	SCREW, 1/2-13 X 1-1/2 C-Z HEX-HD CAP -2-
	11 022 VA	WASHER, 17/32 X 7/8 X 16 GA -2-
16	468 343 R1	RETAINER, SWING CYL BUMPER SPRING -2-
17	470 471 R1	SPRING, SWING PISTON BUMPER -2-
18	375 269 R1	O-RING, 1-1/2 X 1-11/16 X 3/32 -2-
19	468 340 R1	RING, SWING PISTON -2-
20	285 253 R1	O-RING, 5-1/2 X 5-3/4 X 1/8 -BACKHOE SWING CYL -2-

3140 BACKHOE -26- SECTION C

SWING MECHANISM -CONTINUED

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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	SWING MECHANISM -CONTINUED		
21	468 329 R11	HOUSING W/BUSHINGS, SWING -1962 TO 1965-	
21	481 806 R21	HOUSING W/BUSHING, SWING -1965 AND SINCE-	
	109 461	FITTING, 1/8 STR LUB	
9	410 360	PLUG, 7/8-14 CD OR ZN-PLTD STR-THD	
	479 670 R1	SCREW, 1/2-13 X 2 HEX-SOC-HD HALF DOG PT SET	
22	468 335 R1	O-RING, 3-3/8 X 3-3/4 X 3/16	
23	468 333 R2	BUSHING, UPPER SWING SHAFT	
	380 595 R1	O-RING, 5-5/8 X 5-7/8 X 1/8	
24	468 334 R91	SEAL, UPPER SWING SHAFT BUSHING DUST	
25	468 339 R1	O-RING, 4 X 4-1/4 X 1/8 -2-	
26	468 338 R1	PISTON, SWING MECHANISM	
27	468 366 R1	BUSHING, BOOM PIVOT PIT -2-	
28	468 332 R1	BUSHING, LOWER SWING SHAFT	
29	471 140 R1	O-RING, 3 X 3-3/8 X 3/16	
30	468 370 R1	PIN, BOOM CYL LOWER	
		PIN, 1/8 X 3/4 CD OR ZN-PLTD COT. -2-	
	631 252 R1	PIN, 3/8 X 4-1/8 STD-HD -2-	
31	18 460 R1	NUT, 1-1/2-12 ESNA STOP	
32	469 079 R1	WASHER, SWING SHAFT	
33	468 336 R1	SPACER, LOWER SWING SHAFT BEARING	
34	468 337 R1	RING, LOWER SWING SHAFT RETAINING	
35	294 885 R92	BUSHING W/BALL, SWING SHAFT	
36	468 330 R1	SHAFT, BACKHOE SWING	
37	299 496 R1	SEAL, BUMPER -2-	
	11 002 VA	WASHER, 17/32 X 7/8 X 16 GA -2-	
38	392 941 R91	VALVE ASSY, DECELERATOR	
	138 221	SCREW, 5/16-18 X 3/4 HEX-HD SOCKET CAP -3	
39	392 945 R91	HOUSING ASSY, VALVE	
40	392 963 R1	SPRING, VALVE PISTON	
41	364 885 R1	O-RING, 3/4 X 15/16 X 3/32	
42	392 964 R1	PLUG, PISTON	
43	392 962 R11	PLUG ASSY, CHECK VALVE	
44	570 828 R1	O-RING, 1/2 OD TUBE	
45	382 915 R1	SPRING, CHECK VALVE	
46	392 916 R1	POPPET, CHECK VALVE	
	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -FOR BOSS PLUG IN HOUSING-	
	481 767 R1	O-RING, 1-1/2 X 1-11/16 X 3/32 -BETWEEN VALVE HOUSING AND SWING CYLINDER-	

3140 BACKHOE -27- SECTION C

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

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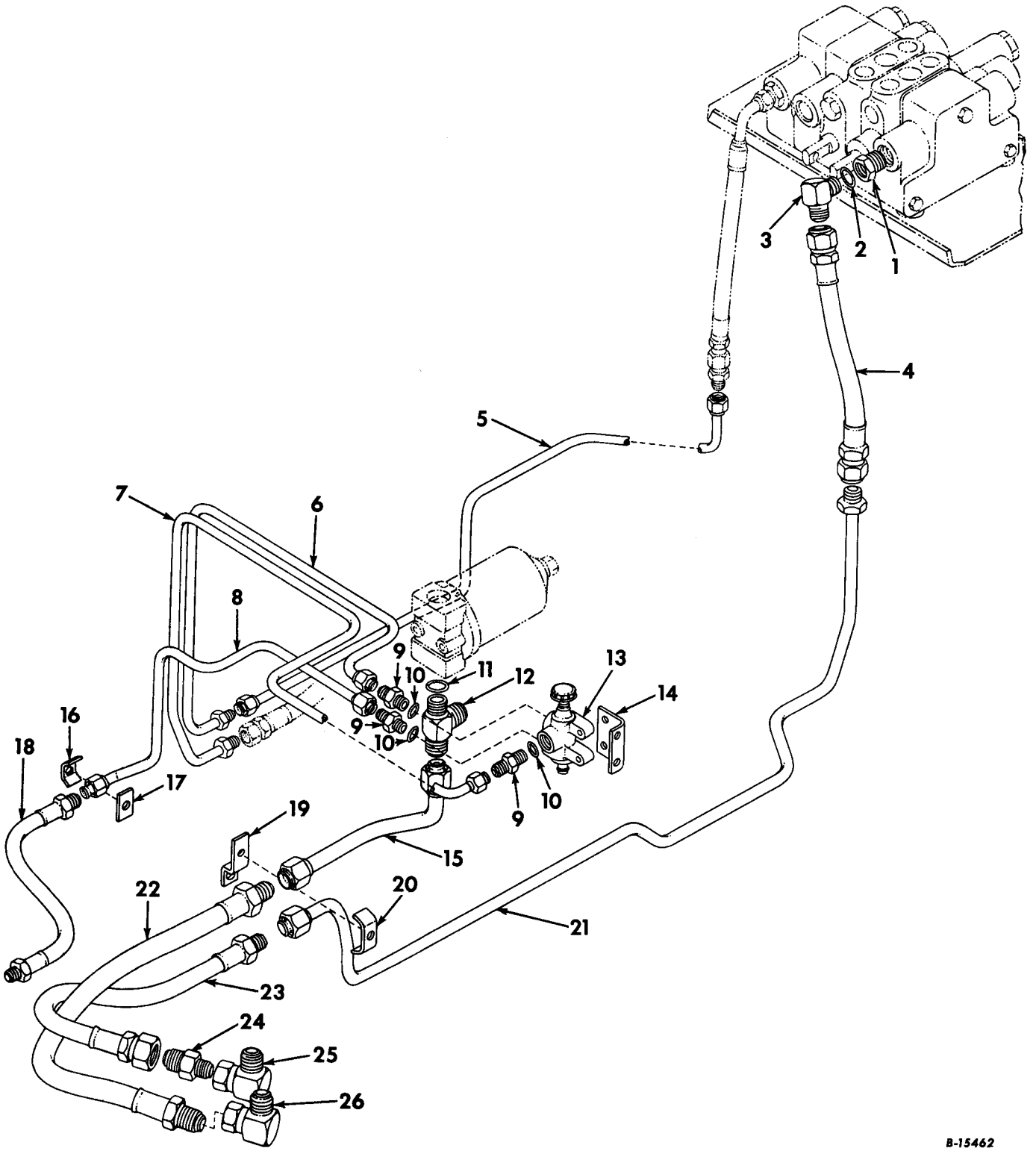
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS -FOR USE ON INTERNATIONAL 3514 & 3616 LOADER TRACTORS-

3140 BACKHOE -28- SECTION C

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS -FOR USE ON -CONTINUED INTERNATIONAL 3514 & 3616 LOADER TRACTORS-



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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -FOR USE ON INTERNATIONAL 3514 & 3616 LOADER TRACTORS- -CONTINUED	
1	444 702	PLUG, 1/2-14 AUTOMOTIVE HEX. SOC	
2	297 459 R1	O-RING, 7/8 OD TUBE	
3	9 410 980	ELBOW, 1-3/16-12 37 DEG HYD FLARED TUBE STR THD 90 DEG	
4	394 439 R11	TUBE ASSY, HYD LOADER VALVE TO BACKHOE PRESSURE TUBE	
5	480 979 R21	PIPE ASSY, INTERMEDIATE DIVERTER VALVE TO FLOW DIVIDER	
6	480 980 R11	PIPE ASSY, DIVERTER VALVE TO INTERMEDIATE TUBE TO FLOW DIVIDER	
7	480 978 R11	PIPE ASSY, BELLY PUMP HOSE TO DIVERTER VALVE	
8	481 732 R11	PIPE ASSY, DIVERTER VALVE TO BACKHOE SWING BOTTOM PORT	
9	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL -3-	
10	364 885 R1	O-RING, 5/8 OD TUBE -3-	
11	296 247 R1	O-RING	
12	9 411 135	TEE, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG	
13	389 251 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF VALVES- OPTIONAL WITH 383 946 R91-	
13	383 946 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF VALVES- OPTIONAL WITH 389 251 R91-	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
	180 085	SCREW, 5/16-18 X 1-3/4 C-Z HEX-HD CAP -2-	
	120 214	WASHER, 5/16 C-Z MED LOCK -2-	
14	480 702 R1	BRACKET, DIVERTER VALVE	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
	180 077	SCREW, 5/16-18 X 3/4 C-Z HEX-HD CAP -2-	
	120 214	WASHER, 5/16 C-Z MED LOCK -2-	
15	480 982 R11	PIPE ASSY, BACKHOE RETURN TO FILTER	
16	481 726 R1	CLAMP, PIPE DIVERTER TO BACKHOE SWING BOTTOM PORT	
	271 547	SCREW, 5/8-11 X 1-1/2 C-Z HEX-HD CAP	
17	481 725 R1	STRIP, PIPE CLAMP	
18	480 983 R91	HOSE ASSY, 10 GPM TRACTOR TO BACKHOE	
19	480 706 R1	BRACKET, BACKHOE TUBES -2-	
20	469 996 R1	CLAMP, BACKHOE TUBES	
	120 378	NUT, 1/2-13 C-Z HEX.	
	180 777	SCREW, 1/2-13 X 1-1/2 C-Z HEX-HD CAP	
	120 384	WASHER, 1/2 C-Z MED LOCK	
21	480 976 R11	PIPE ASSY, LOADER TO BACKHOE 22 GPM PRESSURE	
22	470 246 R91	HOSE ASSY, RETURN BACKHOE TO TRACTOR	
23	383 942 R91	HOSE ASSY, 17 GPM PUMP PRESSURE	
24	469 785 R1	UNION, 1-5/16 TO 1-3/16 REDUCING	
25	9 410 284	ELBOW, 1-3/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL	
26	9 410 285	ELBOW, 1-15/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL	

3140 BACKHOE -29- SECTION C

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

PRINTED IN UNITED STATES OF AMERICA

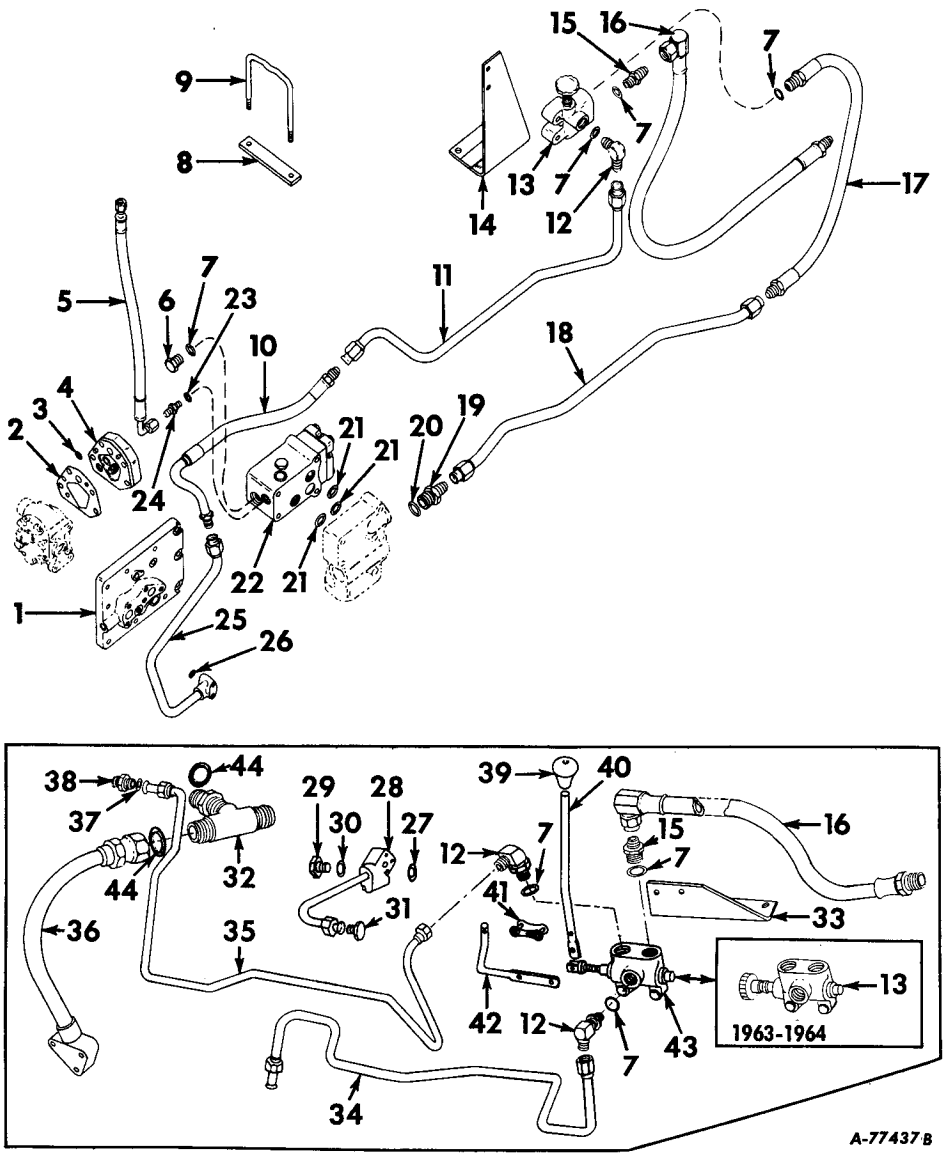
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

FLANGE, PUMP & POWER SUPPLY CONNECTIONS
FOR I-340,460,504,606,2504 & 2606 TRACTORS

3140 BACKHOE -30- SECTION C

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

FLANGE, PUMP & POWER SUPPLY CONNECTIONS -CONTINUED
FOR I-340,460,504,606,2504 & 2606 TRACTORS



KEYS TO UNITS

A - PUMP AND POWER SUPPLY CONNECTIONS FOR INTERNATIONAL 340 AND 460 TRACTORS EQUIPPED W/3000 LOADER AND 17 GPM TRANSMISSION DRIVEN PUMP AND POWER STEERING.

B - POWER SUPPLY CONNECTIONS FOR INTERNATIONAL 504, 606, 2504 AND 2606 TRACTORS EQUIPPED W/3000 LOADER AND 7 AND 17 GPM TRANSMISSION DRIVEN PUMP.

1	469 762 R11	FLANGE ASSY, PUMP MOUNTING -UNIT A- -FOR INTERNATIONAL 340, I-340-A, TD-340-A AND 460 TRACTORS EQUIPPED WITH 540 RPM CLUTCH TYPE INDEPENDENT PTO-
1	469 763 R11	FLANGE ASSY, PUMP MOUNTING -UNIT A- -FOR INTERNATIONAL 340, I-340-A, TD-340-A AND 460 TRACTORS EQUIPPED W/540 RPM PLANETARY TYPE INDEPENDENT PTO-
2	371 543 R2	GASKET, PUMP -UNIT A-
3	371 544 R1	O-RING, 9/16 X 11/16 X 1/16 -UNIT A-

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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		FLANGE, PUMP & POWER SUPPLY CONNECTIONS -CONTINUED FOR I-340,460,504,606,2504 & 2606 TRACTORS	
4	381 115 R92	PUMP ASSY, HYD GEAR -7 GPM- -UNIT A- -THOMPSON- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC PUMP- -OPTIONAL WITH 381 116 R91-	
	631 994 R1	SCREW, 3/8 X 2-1/2 HEX-HD TYPE 4 CAP -4-	
4	381 116 R91	PUMP ASSY, HYD GEAR -7 GPM- -UNIT A- -CESSNA- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF HYDRAULIC PUMP- -OPTIONAL WITH 381 115 R92-	
	20 649 R1	SCREW, 3/8 X 2-1/4 HEX-HD TYPE 4 CAP -4-	
5	373 255 R91	HOSE ASSY, 3/8 HYD POWER STEERING PRESSURE -UNIT A-	
6	9 410 360	PLUG, 7/8-14 CD OR ZN-PLTD STR-THD -UNIT A-	
7	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -4 FOR UNIT A- -3 FOR UNIT B-	
8	470 606 R1	BLOCK, TUBE CLAMP -UNIT A-	
9	470 605 R2	CLAMP, PRESSURE AND FILTER TUBE -UNIT A-	
	17 044 R1	NUT, 3/8 ESNA LOCK -2-	
10	469 728 R91	HOSE ASSY, POWER SUPPLY PRESSURE -UNIT A-	
11	469 729 R11	TUBE ASSY, DIVERTER VALVE -UNIT A-	
12	9 410 978	ELBOW, 7/8-14 90 DEG CD OR ZN-PLTD FLARED TUBE -UNIT A, 2 FOR UNIT B-	
13	469 730 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF VALVES-	
		NUT, 5/16-18 CD OR ZN-PLTD HEX. -2-	
		SCREW, 5/16-18 X 1-3/4 CD OR ZN-PLTD HEX-HD CAP -2-	
		WASHER, 5/16 CD OR ZN-PLTD MED LOCK -2-	
14	469 732 R91	SUPPORT ASSY, DIVERTER VALVE -UNIT A-	
15	9 410 204	CONNECTOR, 7/8-14 CD OR ZN-PLTD FLARED TUBE	
16	469 731 R91	HOSE ASSY, BACKHOE PRESSURE	
16	483 595 R91	HOSE ASSY, HYD -38 IN.- -FOR USE W/QUICK-DISCONNECT COUPLER ONLY-	
17	470 845 R91	HOSE ASSY, HYD -UNIT A-	
18	469 735 R11	TUBE ASSY, POWER SUPPLY PRESSURE -UNIT A-	
19	469 736 R1	REDUCER, POWER SUPPLY -UNIT A-	
20	297 459 R1	O-RING, 1.048 X .116 -REDUCER- -UNIT A-	
21	350 667 R1	O-RING, 11/16 X 7/8 X 3/32 -UNIT A- -3-	
22	364 841 R96	VALVE ASSY, REGULATOR SAFETY AND FLOW CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF VALVES- -UNIT A-	
		SCREW, 7/16-14 X 4-1/4 CD OR ZN-PLTD HEX-HD CAP -4-	
		WASHER, 7/16 CD OR ZN-PLTD MED LOCK -4-	
23	364 839 R1	O-RING, .468 X .078 -UNIT A-	
24	9 410 202	CONNECTOR, 9/16-18 CD OR ZN-PLTD FLARED TUBE -UNIT A-	

3140 BACKHOE -31- SECTION C

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		FLANGE, PUMP & POWER SUPPLY CONNECTIONS -CONTINUED FOR I-340,460,504,606,2504 & 2606 TRACTORS	
25	469 727 R11	TUBE ASSY, POWER SUPPLY PRESSURE -UNIT A-	
		SCREW, 5/16-18 X 1-1/2 CD OR ZN-PLTD HEX-HD CAP -2-	
26	352 221 R1	O-RING, 9/16 X 3/4 X 3/32 -POWER SUPPLY- -2-	
27	355 965 R1	O-RING, 15/16 X 1-3/16 X 1/8 -UNIT B-	
28	469 905 R91	TUBE ASSY, DRAFT CONTROL -UNIT B-	
		SCREW, 3/8-16 X 2 CD OR ZN-PLTD HEX-HD CAP -3-	
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK -3-	
29	9 410 359	PLUG, 3/4-16 CD OR ZN-PLTD TUBE STR-THD -UNIT B-	
30	570 828 R1	O-RING, .644 X .087 -UNIT B-	
31	9 403 334	PLUG, 7/8-14 CD OR ZN-PLTD FLARED TUBE -UNIT B-	
32	9 411 120	TEE, 1-1/16-12 37 DEG CD OR ZN-PLTD FLARED TUBE ADJ -UNIT B-	
33	474 478 R1	BASE, DIVERTER VALVE -UNIT B-	
34	474 477 R11	PIPE ASSY, DIVERTER -UNIT B-	
35	475 187 R11	TUBE ASSY, DIVERTER VALVE TO STEERING -UNIT B-	
36	475 186 R91	HOSE ASSY, 17 GAL. PRESSURE -UNIT B-	
37	356 005 R1	O-RING, 1-1/8 X 1-3/8 X 1/8 -UNIT B-	
38	573 206 R1	CONNECTOR, 5/8 37 DEG FLARED TUBE SHORT SWIVEL -UNIT B-	
39	53 717 DA	KNOB, DIVERTER VALVE LEVER -UNIT B-	
40	478 885 R1	LEVER, DIVERTER VALVE -UNIT B-	
	669 546 R1	PIN, 5/64 X 7/8 COT.	
41	587 372 R91	LINK, CHAIN ASSY -UNIT B-	
42	478 886 R1	SUPPORT, DIVERTER VALVE LEVER -UNIT B-	
43	478 887 R91	VALVE ASSY, DIVERTER -UNIT B- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF VALVES-	
		NUT, 5/16- C-Z PLTD HEX. -2-	
		SCREW, 5/16-18 X 1-7/8 C-Z PLTD HEX-HD CAP -2-	
		WASHER, 5/16 C-Z PLTD MED LOCK -2-	
44	368 269 R1	O-RING, 59/64 X 1-1/16 X 7/8 -2- -UNIT B-	

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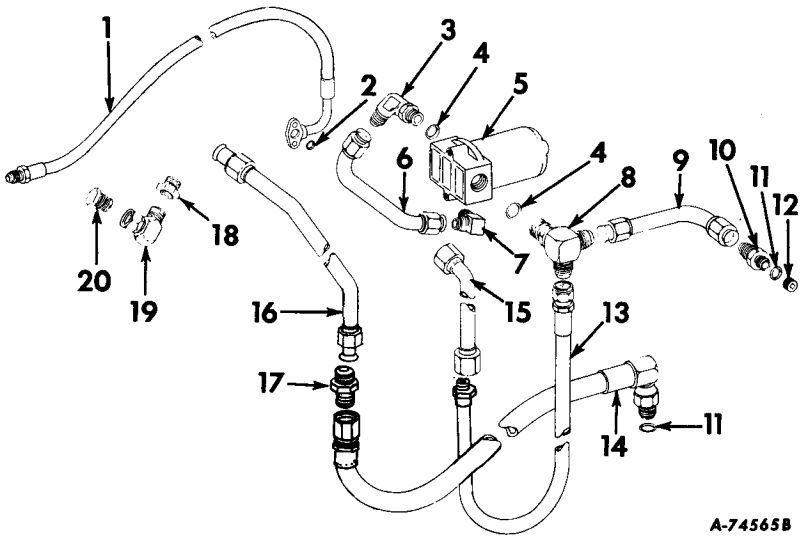
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS -SEE NOTE-



1	470 454 R91		HOSE W/FLANGE ASSY, PRESSURE
			SCREW, 5/16-18 X 1-1/2 CD OR ZN-PLTD HEX-HD CAP
2	352 221 R1		O-RING, 9/16 X 3/4 X 3/32 -POWER SUPPLY-
3	9 410 981		ELBOW, 1-5/16-12 37 DEG FLARED TUBE
4	296 247 R1		O-RING, 1-11/64 X 1-13/32 X 7/64 -2-
5	471 133 R92		FILTER ASSY, OIL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF OIL FILTER-
			SCREW, 3/8-16 X 1 CD OR ZN-PLTD HEX-HD CAP -2-
	614 452 R1		WASHER, 13/32 X 1-1/4 X 11 GA -2-
6	472 752 R11		TUBE ASSY, FILTER RETURN
7	472 753 R1		ELBOW, 90 DEG ADAPTER
8	470 250 R1		TEE, 37 DEG FLARED TUBE -FILTER INLET-
9	472 754 R11		TUBE ASSY, VALVE OUTLET
10	472 755 R1		REDUCER, VALVE OUTLET
11	297 459 R1		O-RING, 1-3/64 X 1-9/32 X 7/64 -2-
12	144 014		PLUG, 1/2 SQ SOCKET PIPE
13	472 757 R91		HOSE ASSY, HYD TO FILTER
14	472 756 R91		HOSE ASSY, HYD PRESSURE
15	383 379 R11		TUBE ASSY, DUMP LINE
16	383 378 R11		TUBE ASSY, PRESSURE
17	469 785 R1		UNION, 1-5/16 TO 1-3/16 REDUCING
18	189 885		BUSHING, 1-1/2 X 1/2 REDUCING PIPE
19	474 187 R1		ELBOW, SWIVEL

3140 BACKHOE -32- SECTION C

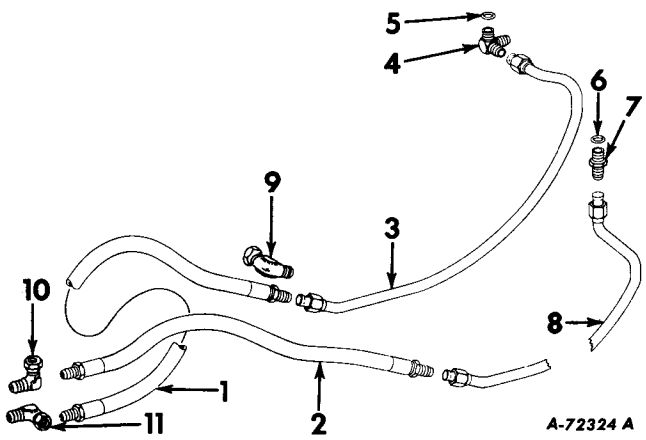
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS -SEE NOTE- -CONTINUED

20	9 403 334		PLUG, 7/8-14 37 DEG CD OR ZN-PLTD STR-THD
			NOTE -FOR T-340A OR TD-340A W/DROTT 4-IN-1 SKID SHOVEL, 3040 LOADER, 60C OR 700 BLADE-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

POWER SUPPLY CONNECTIONS -FOR TRACTORS USING EXTERNAL FILTER- -SEE NOTE-



A-72324 A

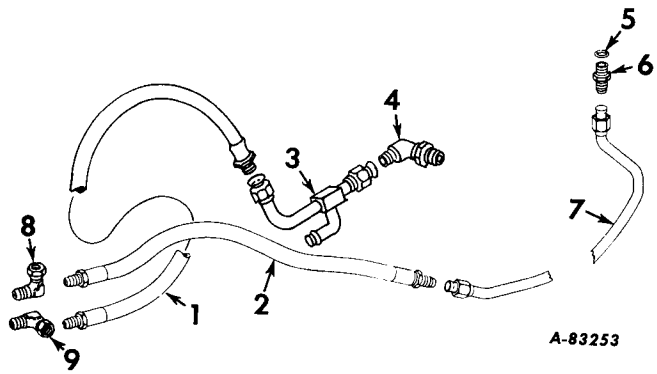
1		470 246 R91	HOSE ASSY, 1 X 33 IN. INLET FILTER TUBE TO HOE VALVE
2		470 247 R91	HOSE ASSY, 7/8 X 34 IN. PRESSURE TUBE TO HOE VALVE
3		470 248 R11	TUBE ASSY, INLET FILTER
4		470 250 R1	TEE, FLARED TUBE ADJ -INLET FILTER TUBE TO COVER-
5		296 247 R1	O-RING, 1.171 X .116
6		297 459 R1	O-RING, 1.048 X .116
7	9	410 206	CONNECTOR, 1-3/16-12 CD OR ZN-PLTD FLARED TUBE SWIVEL
8		470 249 R11	TUBE ASSY, PRESSURE
9	9	410 285	ELBOW, 1-5/16-12 90 DEG CD OR ZN-PLTD SWIVEL -FOR I-340, 404 & 2404 TRACTORS ONLY-
10	9	410 284	ELBOW, 1-3/16-12 90 DEG CD OR ZN-PLTD SWIVEL -FOR I-504, I-606, 2504 AND 2606 TRACTOR ONLY-
11	9	410 285	ELBOW, 1-5/16-12 90 DEG CD OR ZN-PLTD SWIVEL -FOR I-404, I-504, 2404 AND 2504 TRACTOR ONLY-

NOTE -FOR INTERNATIONAL 340, 404, 460, 504, 2404, 2504 AND 2606 TRACTORS-

3140 BACKHOE -33- SECTION C

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

POWER SUPPLY CONNECTIONS -FOR I-504, 606, 2504 & 2606 TRACTORS USING TRACTOR FILTER



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1		470 246 R91	HOSE ASSY, 1 X 33 IN. -INLET FILTER TUBE TO HOE VALVE-
2		470 247 R91	HOSE ASSY, 7/8 X 34 IN. -PRESSURE TUBE TO HOE VALVE-
3		479 358 R91	TEE ASSY, DUMPLINE
4	9	410 981	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE
5		297 459 R1	O-RING, 1.048 X .116
6	9	410 206	CONNECTOR, 1-3/16-12 C-Z PLTD FLARED TUBE SWIVEL
7		470 249 R11	TUBE ASSY, PRESSURE
8	9	410 284	ELBOW, 1-3/16-12 90 DEG C-Z PLTD SWIVEL -FOR I-504 & 2504 TRACTOR ONLY-
9	9	410 285	ELBOW, 1-5/16-12 90 DEG C-Z PLTD SWIVEL -FOR I-404, I-504, 2404 & 2504 TRACTOR ONLY-

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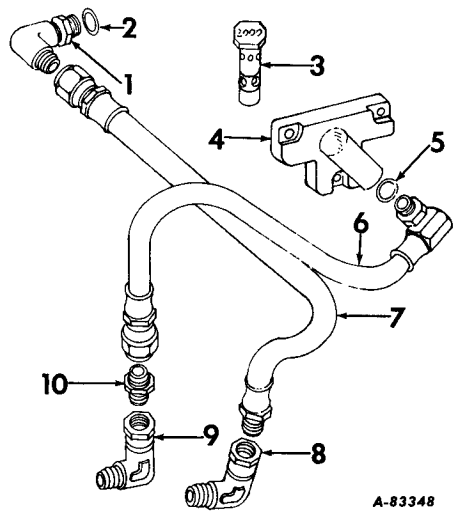
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

POWER SUPPLY CONNECTION -FOR INTERNATIONAL 504, 606, 2504 & 2606 TRACTOR W/O LOADER-

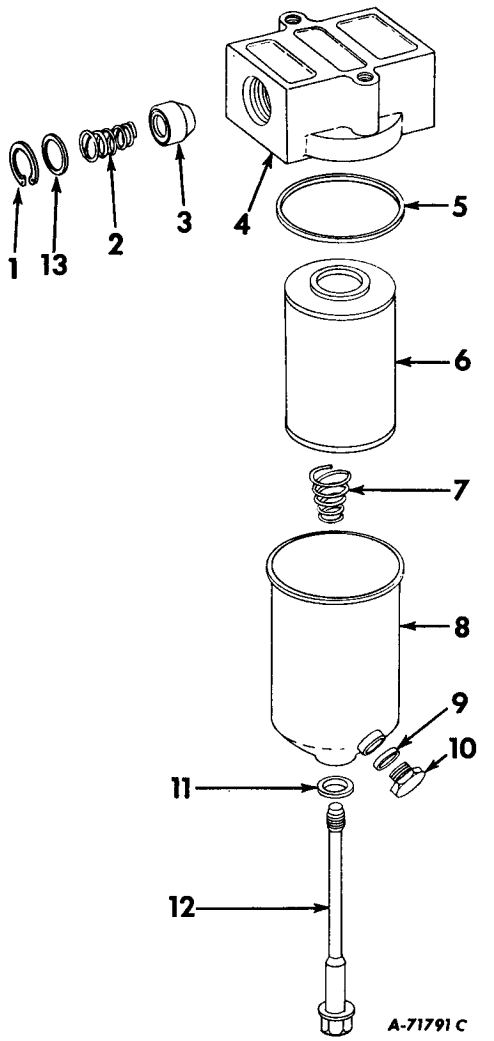


1	9 410 981		ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG
2	296 247 R1		O-RING, 1-11/16 X 1-13/32 X 7/64
3	388 208 R91		VALVE ASSY, 2000 PSI PILOT OPERATED -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF VALVES-
4	470 603 R1		COVER, POWER BEYOND
5	297 459 R1		O-RING, 1.048 X .116
6	472 756 R91		HOSE ASSY, JUNCTION BLOCK TO BACKHOE PRESSURE
7	472 757 R91		HOSE ASSY, BACKHOE DUMP
8	9 410 285		ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL
9	9 410 284		ELBOW, 1-3/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL
10	469 785 R1		UNION, 1-5/16 X 1-3/16 REDUCING

3140 BACKHOE -34- SECTION C

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

OIL FILTER



	471 133 R92		FILTER ASSY, OIL
1	338 835 R1		RING, VALVE RETAINING
2	381 626 R1		SPRING, VALVE COMPRESSION
3	381 625 R1		VALVE, RELIEF AND CHECK
4			BASE ASSY, OIL FILTER -NOT SERVICED SEPARATELY-
5	381 627 R1		GASKET, FILTER BASE PLUG
6	381 256 R91		ELEMENT ASSY, OIL FILTER
7	471 633 R1		SPRING, OIL FILTER COMPRESSION
8	471 634 R1		BODY, OIL FILTER
9	381 618 R1		GASKET, OIL FILTER DRAIN PLUG RING
10	445 078		PLUG, OIL FILTER DRAIN
11	381 629 R1		GASKET, OIL FILTER BODY BOLT RING
12	471 632 R1		BOLT, OIL FILTER HOLD DOWN
13			NOT USED

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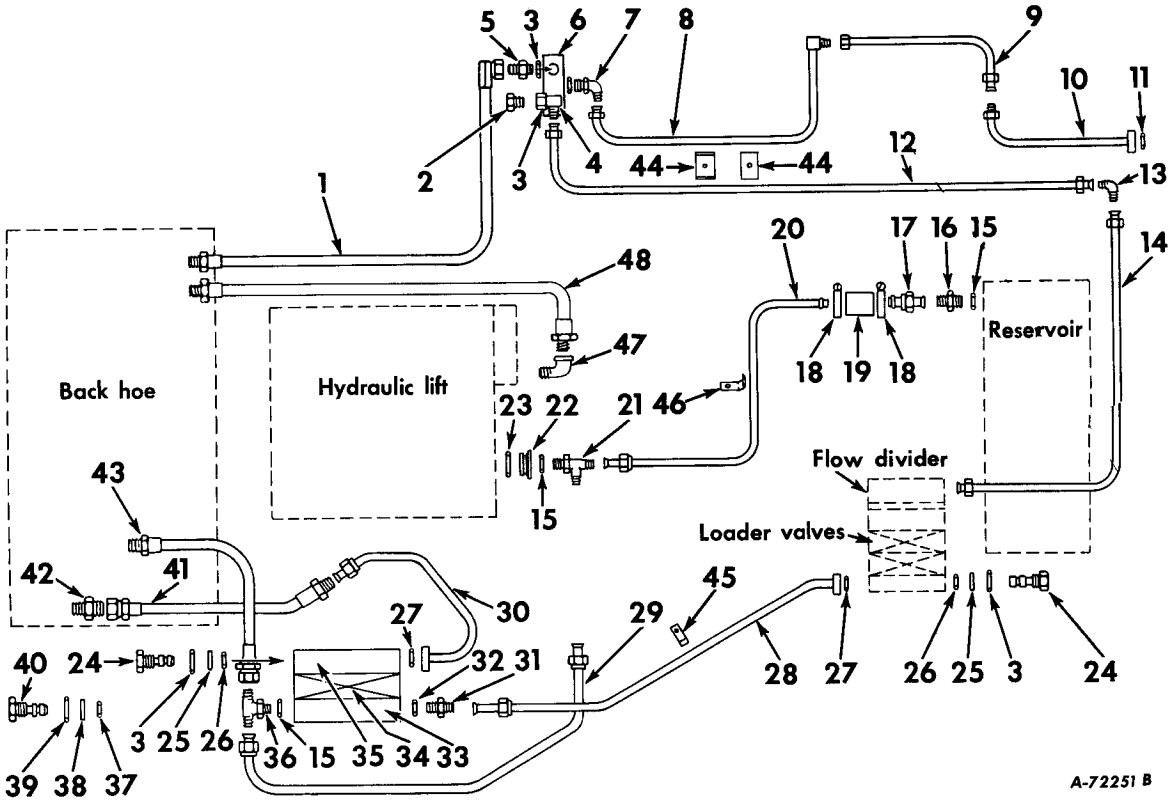
HYDRAULIC CONNECTIONS -FOR 3414 LOADER TRACTOR W/HYDRAULIC LIFT & AUXILIARY VALVE



REF. NO.		PART NUMBER	DESCRIPTION
1		469 731 R91	HOSE ASSY, 1/2 X 24 IN. PRESSURE
2	9	403 334	PLUG, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE
3		364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -5-
4		383 943 R91	ELBOW W/SWIVEL, 90 DEG SIDE OUTLET
5	9	410 204	CONNECTOR, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE SHORT SWIVEL
6		389 251 R91	VALVE ASSY, DIVERTER -OPTIONAL WITH -383 946 R91-
6		383 946 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF VALVES- NUT, 5/16-18 CD OR ZN-PLTD HEX. -2- SCREW, 5/16-18 X 1-3/4 CD OR ZN-PLTD HEX-HD CAP -2- WASHER, 5/16 CD OR ZN-PLTD MED LOCK -2-
7	9	410 978	ELBOW, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE
8		383 940 R11	TUBE ASSY, 9 GPM PRESSURE DIVERTER V END -ORDER 483 144 R11-
8		483 144 R11	TUBE ASSY, 9 GPM PRESSURE DIVERTER END
9		383 936 R11	TUBE ASSY, 9 GPM PRESSURE CENTER

HYDRAULIC CONNECTIONS -FOR 3414 LOADER -CONTINUED TRACTOR W/HYDRAULIC LIFT & AUXILIARY VALVE

REF. NO.		PART NUMBER	DESCRIPTION
10		383 937 R92	TUBE ASSY, 9 GPM PRESSURE PUMP END
		138 203	SCREW, 1/4-20 X 1-1/4 HEX-SOC-HD CAP -4-
			WASHER, 1/4 CD OR ZN-PLTD MED LOCK -4-
11		352 221 R1	O-RING, 9/16 X 3/4 X 3/32
12		383 939 R11	TUBE ASSY, POWER STEERING DIVERTING VALVE -ORDER 483 143 R11-
12		483 143 R11	TUBE ASSY, POWER STEERING DIVERTER VALVE
13	9	402 944	UNION, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE
14		383 938 R11	TUBE ASSY, POWER STEERING FLOW DIVIDER
15		296 247 R1	O-RING, 1.171 X .116 -3-
16	9	410 207	CONNECTOR, 1-5/16-12 CD OR ZN-PLTD FLARED TUBE SWIVEL
17		383 051 R11	TUBE ASSY, RETURN FRONT
18		39 128 H	CLAMP, HOSE -2-
19		380 521 R1	HOSE, 1 X 3 IN.
20		381 778 R11	TUBE ASSY, RETURN
21	9	411 135	TEE, 1-5/16-12 CD OR ZN-PLTD FLARED TUBE 90 DEG ADJ

REF. NO.	PART NUMBER	DESCRIPTION	8KH-1
		HYDRAULIC CONNECTIONS -FOR 3414 LOADER -CONTINUED TRACTOR W/HYDRAULIC LIFT & AUXILIARY VALVE	
22	381 777 R1	PLUG, LIFT RETURN	
23	382 781 R1	O-RING, 1-3/4 X 1-15/16 X 3/32	
24	470 583 R1	PLUG, POWER BEYOND -2-	
25	470 584 R1	WASHER, BACK-UP -2-	
26	470 585 R1	O-RING, 1/2 X 11/16 X 3/32 -2-	
27	382 137 R1	O-RING, 1 X 1-3/16 X 3/32 -2-	
28	469 783 R21	TUBE ASSY, LOADER VALVE TO AUXILIARY VALVE	
		SCREW, 3/8-16 X 1-1/8 CD OR ZN-PLTD HEX-HD CAP -2-	
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2-	
29	471 116 R11	TUBE ASSY, AUXILIARY VALVE RETURN	
30	383 121 R21	TUBE ASSY, PRESSURE AUXILIARY TO BACKHOE	
		SCREW, 3/8-16 X 1-1/8 CD OR ZN-PLTD HEX-HD CAP -2-	
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2-	
31	9 410 206	CONNECTOR, 1-3/16-12 CD OR ZN-PLTD FLARED TUBE	
32	297 459 R1	O-RING, 1.048 X .116	
33	381 143 R1	COVER, PRESSURE END	
		SCREW, 3/8-16 X 1 HEX-HD CAP -3-	
	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32	
	381 884 R1	O-RING, 1 X 1-3/16 X 3/32 -2-	
34	383 271 R92	VALVE ASSY, CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF VALVES-	
	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32	
	381 884 R1	O-RING, 1 X 1-3/16 X 3/32 -2-	
35	469 782 R3	COVER, CONVERTIBLE END	
	381 784 R1	SCREW, 3/8-16 X 3-3/8 HEX-HD CAP -2-	
	381 783 R1	SCREW, 3/8-16 X 3-7/8 HEX-HD CAP	
36	9 411 122	TEE, 1-5/16-12 CD OR ZN-PLTD FLARED TUBE ADJ	
	9 410 285	ELBOW, 1-5/16-12 CD OR ZN-PLTD FLARED TUBE 90 DEG SWIVEL	
37	364 879 R1	O-RING, 7/8 X 1-11/16 X 3/32	
38	378 985 R2	WASHER, BACKUP	
39	383 219 R1	O-RING, 15/16 X 1-1/8 X 3/32	
40	378 899 R1	PLUG, RELIEF VALVE CHAMBER	
41	383 942 R91	HOSE ASSY, 17 GPM PUMP PRESSURE	
42	469 785 R1	UNION, 1-5/16 X 1-3/16 REDUCING	
43	383 941 R91	HOSE ASSY, BACKHOE RETURN	
44	369 758 R1	CLAMP, TUBE -2-	
		NUT, 5/16-18 CD OR ZN-PLTD HEX.	
		SCREW, 5/16-18 X 1-1/2 CD OR ZN-PLTD HEX-HD CAP	
	138 538	WASHER, 5/16 CD OR ZN-PLTD INT-TOOTH LOCK	
45	383 122 R1	CLAMP, LOADER VALVE TO AUXILIARY VALVE TUBE	
46	384 291 R1	CLAMP, RETURN TUBE	
		SCREW, 3/8-16 X 1-1/8 HEX-HD CAP	
47	444 044	ELBOW, 1/2-14 AUTO. 90 DEG STREET -USED ONLY WITH TRACTORS HAVING TANDEM HYDRAULIC PUMPS-	

3140 BACKHOE -36- SECTION C

REF. NO.	PART NUMBER	DESCRIPTION	8KH-1
		HYDRAULIC CONNECTIONS -FOR 3414 LOADER -CONTINUED TRACTOR W/HYDRAULIC LIFT & AUXILIARY VALVE	
48	470 818 R91	HOSE ASSY, ISOLATER VALVE TO BACKHOE TUBING -USED ONLY WITH TRACTORS HAVING TANDEM HYDRAULIC PUMPS-	

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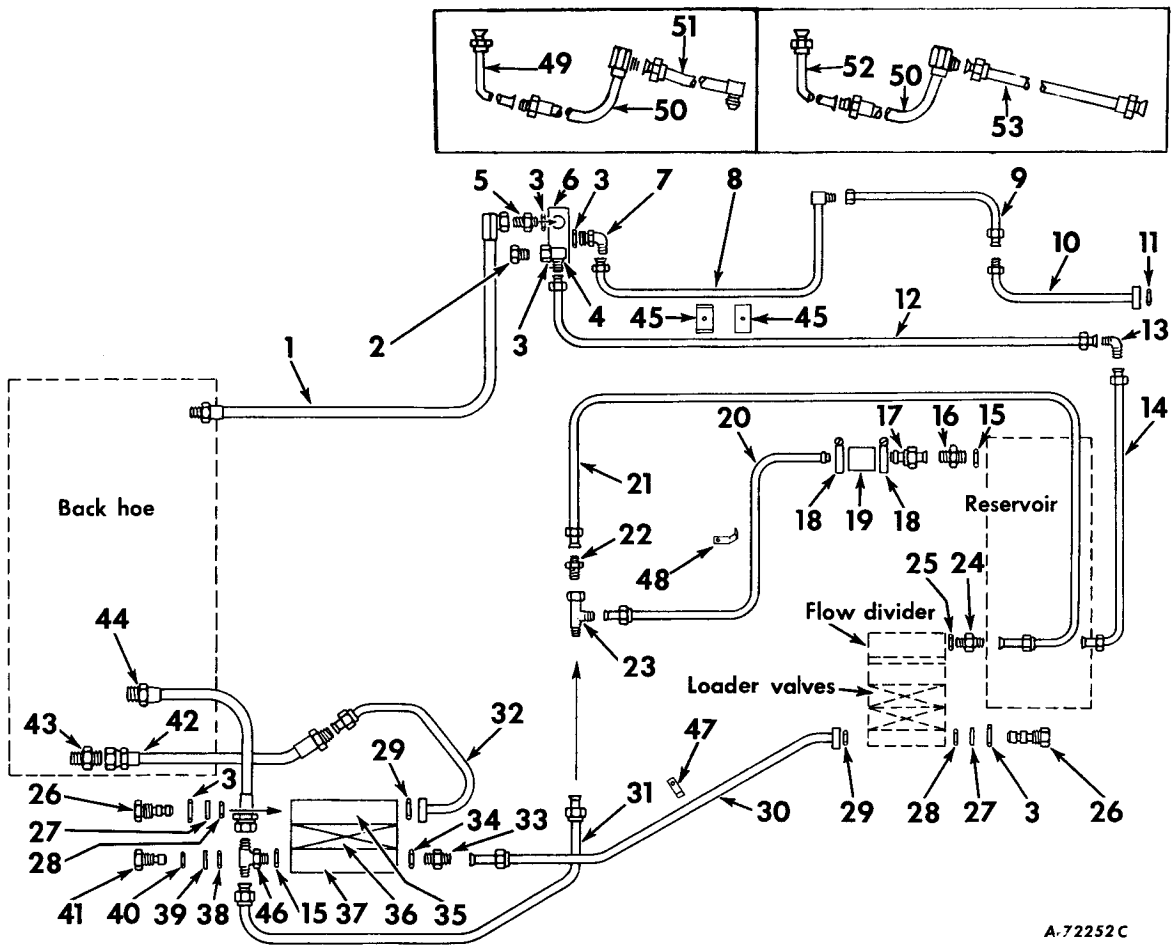
HYDRAULIC CONNECTIONS
-FOR 3414 LOADER TRACTOR W/AUXILIARY VALVE

3140 BACKHOE -37- SECTION C

HYDRAULIC CONNECTIONS -CONTINUED
-FOR 3414 LOADER TRACTOR W/AUXILIARY VALVE



REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
1	469 731 R91	HOSE ASSY, 1/2 X 24 IN. PRESSURE	
2	9 403 334	PLUG, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE	
3	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -5-	
4	383 943 R91	ELBOW W/SWIVEL, 90 DEG SIDE OUTLET	
5	9 410 204	CONNECTOR, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE SHORT SWIVEL	
6	389 251 R91	VALVE ASSY, DIVERTER -OPTIONAL WITH 383 946 R91-	
6	383 946 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF VALVES- NUT, 5/16-18 CD OR ZN-PLTD HEX. -2- SCREW, 5/16-18 X 1-3/4 CD OR ZN-PLTD HEX-HD CAP -2- WASHER, 5/16 CD OR ZN-PLTD MED LOCK -2-	
7	9 410 978	ELBOW, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE	
8	383 940 R11	TUBE ASSY, 9 GPM PRESSURE DIVERTER V END -ORDER 483 144 R11- -FOR TRACTORS W/O TORQUE CONVERTER ATTACHMENT-	
8	483 144 R11	TUBE ASSY, 9 GPM PRESSURE DIVERTER END	
9	383 936 R11	TUBE ASSY, 9 GPM PRESSURE CENTER	
10	383 937 R92	TUBE ASSY, 9 GPM PRESSURE PUMP END	
	138 203	SCREW, 1/4-20 X 1-1/4 HEX-SOC-HD CAP -4-	
		WASHER, 1/4 CD OR ZN-PLTD MED LOCK -4-	
11	352 221 R1	O-RING, 9/16 X 3/4 X 3/32	
12	383 939 R11	TUBE ASSY, POWER STEERING DIVERTING VALVE -ORDER 483 143 R11- -FOR TRACTORS W/O TORQUE CONVERTER ATTACHMENT-	
12	483 143 R11	TUBE ASSY, POWER STEERING DIVERTER VALVE	
13	9 402 944	UNION, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE	

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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -CONTINUED	
		-FOR 3414 LOADER TRACTOR W/AUXILIARY VALVE	
14	383 938 R11	TUBE ASSY, POWER STEERING FLOW DIVIDER -FOR TRACTORS W/O TORQUE CONVERTER ATTACHMENT-	
14	391 998 R11	PIPE ASSY, RETURN TO FLOW DIVIDER -FOR TRACTORS W/TORQUE CONVERTER-	
15	296 247 R1	O-RING, 1.171 X .116 -2-	
16	9 410 207	CONNECTOR, 1-5/16-12 CD OR ZN-PLTD FLARED TUBE SWIVEL	
17	383 051 R11	TUBE ASSY, RETURN FRONT	
18	39 128 H	CLAMP, HOSE -2-	
19	380 521 R1	HOSE, 1 X 3 IN.	
20	381 778 R11	TUBE ASSY, RETURN	
21	381 779 R11	TUBE ASSY, FLOW DIVIDER EXCESS	
22	381 785 R1	CONNECTOR, TUBE REDUCING	
23	9 410 337	TEE, 1-5/16-12 CD OR ZN-PLTD FLARED TUBE	
24	380 632 R1	CONNECTOR, REDUCING	
25	368 269 R1	O-RING, .924 X .116	
26	470 583 R1	PLUG, POWER BEYOND	
27	470 584 R1	WASHER, BACKUP -2-	
28	470 585 R1	O-RING, 1/2 X 11/16 X 3/32 -2-	
29	382 137 R1	O-RING, 1 X 1-3/16 X 3/32 -2-	
30	469 783 R21	TUBE ASSY, LOADER VALVE TO AUXILIARY VALVE	
		SCREW, 3/8-16 X 1-1/8 CD OR ZN-PLTD HEX-HD CAP -2-	
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2-	
31	471 116 R11	TUBE ASSY, AUXILIARY VALVE RETURN	
32	383 121 R21	TUBE ASSY, PRESSURE AUXILIARY TO BACKHOE	
		SCREW, 3/8-16 X 1-1/8 CD OR ZN-PLTD HEX-HD CAP -2-	
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2-	
33	9 410 206	CONNECTOR, 1-3/16-12 37 DEG CD OR ZN-PLTD HYD FLARED TUBE SWIVEL	
34	297 459 R1	O-RING, 1.048 X .116	
35	469 782 R3	COVER, CONVERTIBLE END	
	381 784 R1	SCREW, 3/8-16 X 3-3/8 HEX-HD CAP -2-	
	381 783 R1	SCREW, 3/8-16 X 3-7/8 HEX-HD CAP	
36	383 271 R92	VALVE ASSY, CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF VALVES-	
	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32	
	381 884 R1	O-RING, 1 X 1-3/16 X 3/32	
37	381 143 R1	COVER, PRESSURE END	
		SCREW, 3/8-16 X 1 HEX-HD CAP -3-	
	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32	
	381 884 R1	O-RING, 1 X 1-3/16 X 3/32 -2-	
38	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32	
39	378 985 R2	WASHER, BACK-UP	
40	383 219 R1	O-RING, 15/16 X 1-1/8 X 3/32	
41	378 899 R1	PLUG, RELIEF VALVE CHAMBER	
42	383 942 R91	HOSE ASSY, 17 GPM PUMP PRESSURE	
43	469 785 R1	UNION, 1-5/16 X 1-3/16 REDUCING	

3140 BACKHOE -38- SECTION C

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -CONTINUED	
		-FOR 3414 LOADER TRACTOR W/AUXILIARY VALVE	
44	383 941 R91	HOSE ASSY, BACKHOE RETURN	
45	369 758 R1	CLAMP, TUBE -2-	
		NUT, 5/16-18 CD OR ZN-PLTD HEX.	
		SCREW, 5/16-18 X 1-1/2 CD OR ZN-PLTD HEX-HD CAP	
	138 538	WASHER, 5/16 CD OR ZN-PLTD EXTERNAL TOOTH LOCK	
46	9 411 122	TEE, 1-5/16-12 CD OR ZN-PLTD TUBE ADJUSTABLE	
47	383 122 R1	CLAMP, LOADER VALVE TO AUXILIARY VALVE TUBE	
48	384 291 R1	CLAMP, RETURN TUBE	
		SCREW, 3/8-16 X 1-1/8 HEX-HD CAP	
49	391 980 R11	PIPE ASSY, PUMP TO DIVERTER VALVE FRONT -ORDER 483 144 R11- -FOR TRACTORS W/TORQUE CONVERTER-	
49	483 144 R11	TUBE ASSY, PUMP TO DIVERTER VALVE FRONT	
50	380 025 R91	HOSE ASSY, BUCKET -2- -FOR TRACTORS W/TORQUE CONVERTER-	
51	391 981 R11	PIPE ASSY, PUMP TO DIVERTER VALVE REAR -ORDER 483 143 R11- -FOR TRACTORS W/TORQUE CONVERTER-	
51	483 143 R11	PIPE ASSY, PUMP TO DIVERTER VALVE REAR	
52	391 978 R11	PIPE ASSY, DIVERTER VALVE TO FLOW DIVIDER FRONT -ORDER 483 143 R11- -FOR TRACTORS W/TORQUE CONVERTER-	
52	483 143 R11	PIPE ASSY, DIVERTER VALVE TO FLOW DIVERTER FRONT	
53	391 979 R11	PIPE ASSY, DIVERTER VALVE TO FLOW DIVIDER REAR -ORDER 483 143 R11- -FOR TRACTORS W/TORQUE CONVERTER-	
53	483 143 R11	PIPE ASSY, DIVERTER VALVE TO FLOW DIVERTER REAR	

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REVISION NO. 6

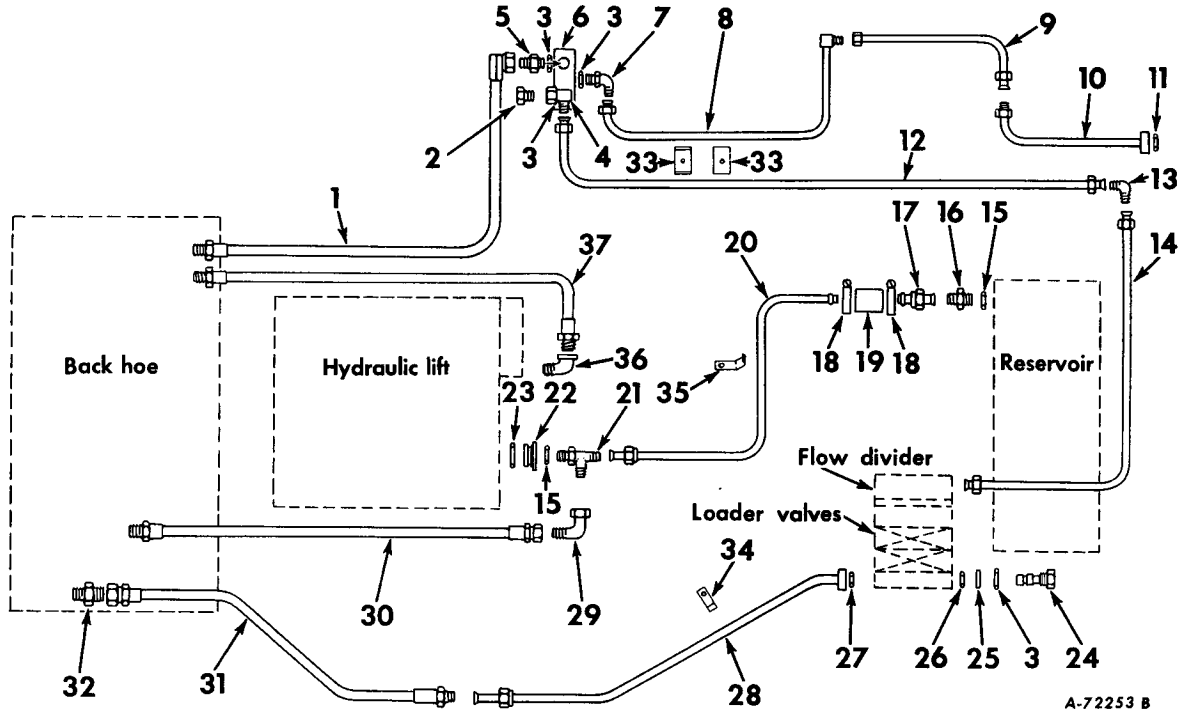
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS -FOR 3414 LOADER AND DOZER TRACTOR W/HYDRAULIC LIFT-

3140 BACKHOE -39- SECTION C

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS -FOR 3414 LOADER AND DOZER TRACTOR W/HYDRAULIC LIFT- -CONTINUED



1		469 731 R91	HOSE ASSY, 1/2 X 24 IN. PRESSURE
2	9	403 334	PLUG, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE
3		364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -5-
4		383 943 R91	ELBOW W/SWIVEL, 90 DEG SIDE OUTLET
5	9	410 204	CONNECTOR, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE SHORT SWIVEL
6		389 251 R91	VALVE ASSY, DIVERTER -OPTIONAL WITH 383 946 R91-
6		383 946 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF VALVES- NUT, 5/16-18 CD OR ZN-PLTD HEX. -2- SCREW, 5/16-18 X 1-3/4 CD OR ZN-PLTD HEX-HD CAP -2- WASHER, 5/16 CD OR ZN-PLTD MED LOCK -2-
7	9	410 978	ELBOW, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE
8		383 940 R11	TUBE ASSY, 9 GPM PRESSURE DIVERTER V END -ORDER 483 144 R11-
8		483 144 R11	TUBE ASSY, 9 GPM PRESSURE DIVERTER END
9		383 936 R11	TUBE ASSY, 9 GPM PRESSURE CENTER
10		383 937 R92	TUBE ASSY, 9 GPM PRESSURE PUMP END
		138 203	SCREW, 1/4-20 X 1-1/4 HEX-SOC-HD CAP -4-
			WASHER, 1/4 CD OR ZN-PLTD MED LOCK -4-
11		352 221 R1	O-RING, 9/16 X 3/4 X 3/32
12		383 939 R11	TUBE, POWER STEERING DIVERTING VALVE -ORDER 483 143 R11-
12		483 143 R11	TUBE ASSY, PUMP TO DIVERTER VALVE FRONT
13	9	402 944	UNION, 7/8-14 37 DEG FLARED TUBE
14		383 938 R11	TUBE ASSY, POWER STEERING FLOW DIVIDER
15		296 247 R1	O-RING, 1.171 X .116 -2-
16	9	410 207	CONNECTOR, 1-5/16-12 CD OR ZN-PLTD FLARED TUBE SWIVEL
17		383 051 R11	TUBE ASSY, RETURN FRONT
18		39 128 H	CLAMP, HOSE -2-
19		380 521 R1	HOSE, 1 X 3 IN.
20		381 778 R11	TUBE ASSY, RETURN
21	9	411 135	TEE, 1-5/16-12 CD OR ZN-PLTD FLARED TUBE 90 DEG ADJ
22		381 777 R1	PLUG, LIFT RETURN
23		382 781 R1	O-RING, 1-3/4 X 1-15/16 X 3/32
24		470 583 R1	PLUG, POWER BEYOND -2-
25		470 584 R1	WASHER, BACK-UP -2-
26		470 585 R1	O-RING, 1/2 X 11/16 X 3/32
27		382 137 R1	O-RING, 1 X 1-3/16 X 3/32

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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -FOR 3414 LOADER AND DOZER TRACTOR W/HYDRAULIC LIFT- -CONTINUED	
28	479 811 R11	TUBE ASSY, DOZER VALVE TO AUXILIARY VALVE -FOR 3414 DOZER-	
28	469 783 R21	TUBE ASSY, LOADER VALVE TO AUXILIARY VALVE -FOR 3414 LOADER-	
		SCREW, 3/8-16 X 1-1/8 CD OR ZN-PLTD HEX-HD CAP -2-	
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2-	
29	9 410 285	ELBOW, 1-5/16-12 CD OR ZN-PLTD FLARED TUBE 90 DEG SWIVEL	
30	383 941 R91	HOSE ASSY, BACKHOE RETURN	
31	383 942 R91	HOSE ASSY, 17 GPM PUMP PRESSURE	
32	469 785 R1	UNION, 1-5/16 X 1-3/16 REDUCING	
33	369 758 R1	CLAMP, TUBE -2-	
		NUT, 5/16-18 CD OR ZN-PLTD HEX.	
		SCREW, 5/16 X 1-1/2 CD OR ZN-PLTD HEX-HD CAP	
	138 538	WASHER, 5/16 CD OR ZN-PLTD EXTERNAL TOOTH LOCK	
34	383 122 R1	CLAMP, LOADER VALVE TO AUXILIARY VALVE TUBE	
35	384 291 R1	CLAMP, RETURN TUBE	
		SCREW, 3/8-16 X 1-1/8 HEX-HD CAP	
36	444 044	ELBOW, 1/2-14 AUTO. 90 DEG BRS STREET -USED ONLY WITH TRACTORS HAVING TANDEM HYDRAULIC PUMPS-	
37	470 818 R91	HOSE ASSY, ISOLATER VALVE TO BACKHOE TUBING -USED ONLY WITH TRACTORS HAVING TANDEM HYDRAULIC PUMPS-	

3140 BACKHOE -40- SECTION C

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

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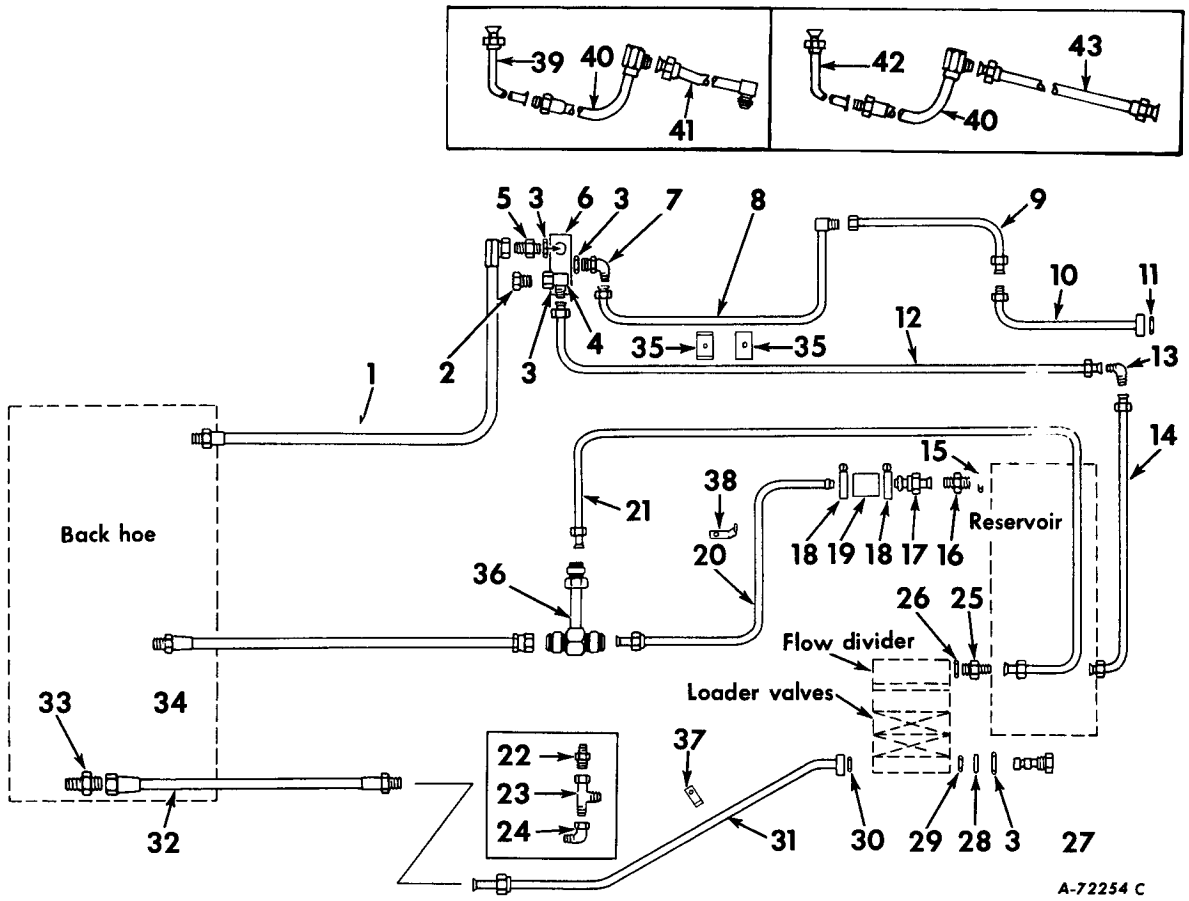
HYDRAULIC CONNECTION -FOR 3414 LOADER & DOZER TRACTOR W/O HYD LIFT AND AUX VALVE-



REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
1	469 731 R91	HOSE ASSY, 1/2 X 24 IN. PRESSURE	
2	9 403 334	PLUG, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE	
3	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -4-	
4	383 943 R91	ELBOW W/SWIVEL, 90 DEG SIDE OUTLET	
5	9 410 204	CONNECTOR, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE SHORT SWIVEL	
6	389 251 R91	VALVE ASSY, DIVERTER -OPTIONAL WITH 383 946 R91-	
6	383 946 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAIL OF VALVES-	
		NUT, 5/16-18 CD OR ZN-PLTD HEX. -2-	
		SCREW, 5/16-18 X 1-3/4 CD OR ZN-PLTD CAP -2-	
		WASHER, 5/16 CD OR ZN-PLTD MED LOCK -2-	
7	9 410 978	ELBOW, 7/8-14 37 DEG CD OR ZN-PLTD FLARED TUBE	
8	383 940 R11	TUBE ASSY, 9 GPM PRESSURE DIVERTER V END -ORDER 483 144 R11- -FOR TRACTORS W/O TORQUE CONVERTER ATTACHMENT-	

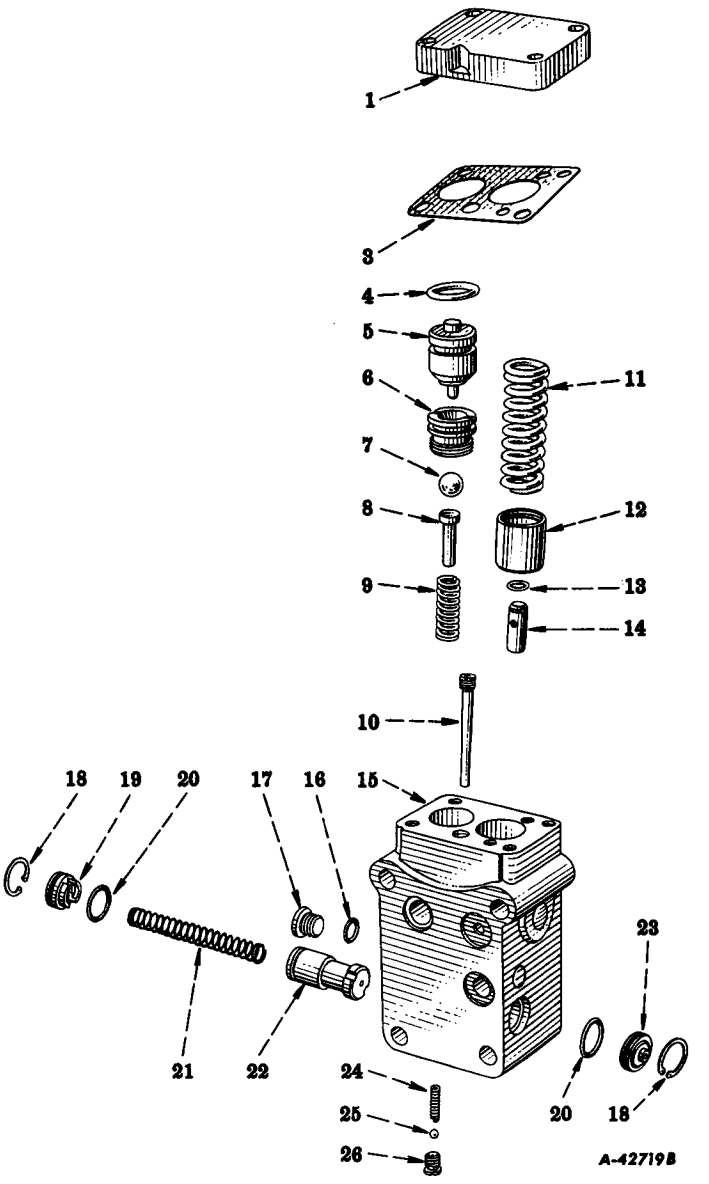
HYDRAULIC CONNECTION -FOR 3414 LOADER & DOZER TRACTOR W/O HYD LIFT AND AUX VALVE- -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
8	483 144 R11	TUBE ASSY, 9 GPM PRESSURE DIVERTER END	
9	383 936 R11	TUBE ASSY, 9 GPM PRESSURE CENTER	
10	383 937 R91	TUBE ASSY, 9 GPM PRESSURE PUMP END	
	138 203	SCREW, 1/4-20 X 1-1/4 HEX-SOC-HD CAP -4-	
		WASHER, 1/4 CD OR ZN-PLTD LOCK -4-	
11	352 221 R1	O-RING, 9/16 X 3/4 X 3/32	
12	383 939 R11	TUBE ASSY, POWER STEERING DIVERTING VALVE -ORDER 483 143 R11- -FOR TRACTORS W/O TORQUE CONVERTER ATTACHMENT-	
12	483 143 R11	TUBE ASSY, POWER STEERING DIVERTER VALVE	
13	9 402 944	UNION, 7/8-14 37 DEG C-Z FLARED TUBE	
14	383 938 R11	TUBE ASSY, POWER STEERING FLOW DIVIDER -FOR TRACTORS W/O TORQUE CONVERTER ATTACHMENT-	
14	391 998 R11	PIPE ASSY, RETURN TO FLOW DIVIDER -FOR TRACTORS W/TORQUE CONVERTER-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTION -FOR 3414 LOADER & DOZER TRACTOR W/O HYD LIFT AND AUX VALVE-	-CONTINUED
15	296 247 R1	O-RING, 1.171 X .116	
16	9 410 207	CONNECTOR, 1-5/16-12 CD OR ZN-PLTD FLARED TUBE SWIVEL	
17	383 051 R11	TUBE ASSY, RETURN FRONT	
18	39 128 H	CLAMP, HOSE -2-	
19	380 521 R1	HOSE, 1 X 3 IN.	
20	381 778 R11	TUBE ASSY, RETURN	
21	381 779 R21	TUBE ASSY, FLOW DIVIDER EXCESS	
22	381 785 R1	CONNECTOR, 1 TO 1/2 IN. TUBE REDUCING -ORDER 385 125 R91-	
23	9 410 337	TEE, 1-5/16-12 CD OR ZN-PLTD FLARED TUBE -ORDER 385 125 R91-	
24	9 410 285	ELBOW, 1-5/16-12 CD OR ZN-PLTD FLARED TUBE 90 DEG SWIVEL -ORDER 385 125 R91-	
25	380 632 R1	CONNECTOR, REDUCING	
26	368 269 R1	O-RING, .924 X .116	
27	470 583 R1	PLUG, POWER BEYOND	
28	470 584 R1	WASHER, BACK-UP	
29	470 585 R1	O-RING, 1/2 X 11/16 X 3/32	
30	382 137 R1	O-RING, 1 X 3/16 X 3/32	
31	479 811 R11	TUBE ASSY, DOZER VALVE TO AUXILIARY VALVE -FOR 3414 DOZER-	
31	469 783 R11	TUBE ASSY, LOADER VALVE TO AUXILIARY VALVE -FOR 3414 LOADER-	
		SCREW, 3/8-16 X 1-1/8 CD OR ZN-PLTD HEX-HD CAP -2-	
		WASHER, 3/8 CD OR ZN-PLTD MED LOCK -2-	
32	383 942 R91	HOSE ASSY, 17 GPM PUMP PRESSURE	
33	469 785 R1	UNION ASSY, 1 X 26 IN. BACKHOE TO TEE	
34	383 941 R91	HOSE ASSY, BACKHOE RETURN	
35	369 758 R1	CLAMP, TUBE -2-	
		NUT, 5/16-18 CD OR ZN-PLTD HEX.	
		SCREW, 5/16-18 X 1-1/2 CD OR ZN-PLTD HEX-HD CAP	
	138 538	WASHER, 5/16 CD OR ZN-PLTD EXTERNAL TOOTH LOCK	
36	385 125 R91	FITTING, HYD 37 DEG FLARED TUBE	
37	383 122 R1	CLAMP, LOADER VALVE TO AUXILIARY VALVE TUBE	
38	384 291 R1	CLAMP, RETURN TUBE	
		SCREW, 3/8-16 X 1-1/8 HEX-HD CAP	
39	391 980 R11	PIPE ASSY, PUMP TO DIVERTER VALVE FRONT -ORDER 483 144 R11- -FOR TRACTORS W/TORQUE CONVERTER-	
39	483 144 R11	TUBE ASSY, PUMP TO DIVERTER VALVE FRONT	
40	380 025 R91	HOSE ASSY, BUCKET -2- -FOR TRACTORS W/TORQUE CONVERTER-	
41	391 981 R11	PIPE ASSY, PUMP TO DIVERTER VALVE REAR -ORDER 483 144 R11- -FOR TRACTORS W/TORQUE CONVERTER-	
42	483 144 R11	PIPE ASSY, PUMP TO DIVERTER VALVE FRONT	
43	391 978 R11	PIPE ASSY, DIVERTER VALVE TO FLOW DIVIDER FRONT -ORDER 483 143 R11- -FOR TRACTORS W/TORQUE CONVERTER-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTION -FOR 3414 LOADER & DOZER TRACTOR W/O HYD LIFT AND AUX VALVE-	-CONTINUED
43	483 143 R11	PIPE ASSY, DIVERTER VALVE TO FLOW DIVERTER FRONT	
44	391 979 R11	PIPE ASSY, DIVERTER VALVE TO FLOW DIVIDER REAR -ORDER 483 143 R11- -FOR TRACTORS W/TORQUE CONVERTER-	
44	483 143 R11	PIPE ASSY, DIVERTER VALVE TO FLOW DIVERTER REAR	

REGULATOR SAFETY AND FLOW CONTROL VALVE

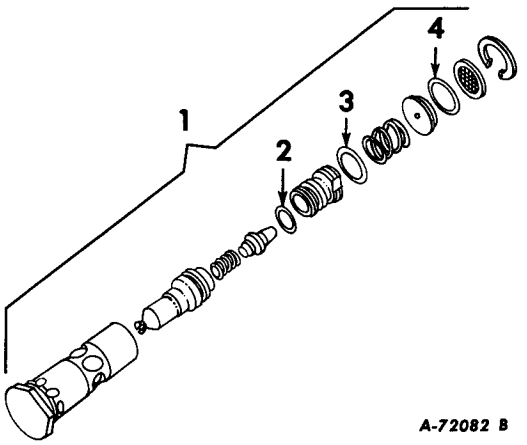


364 841 R96 VALVE ASSY, REGULATOR SAFETY AND FLOW CONTROL

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		REGULATOR SAFETY AND FLOW CONTROL VALVE -CONTINUED	
1	360 629 R21	COVER ASSY, REGULATOR SAFETY AND FLOW CONTROL VALVE HOUSING SCREW, 5/16-18 X 1-1/4 CD-PLTD HEX-HD CAP -4- WASHER, 5/16 CD-PLTD MED LOCK -4-	
2		NOT USED	
3	360 630 R1	GASKET, REGULATOR SAFETY AND FLOW CONTROL VALVE HOUSING COVER	
4	352 024 R2	O-RING, 55/64 X 1-1/8 X 9/64 -REGULATOR VALVE PISTON-	
5	366 638 R91	PISTON ASSY, REGULATOR VALVE	
6	366 665 R2	SEAT, REGULATOR VALVE -ALSO ORDER BALL, 17 015 R1-	
7	17 015 R1	BALL, 15/32 DIA. CR-PLTD STL	
8	350 084 R2	RIDER, REGULATOR VALVE BALL	
9	352 026 R2	SPRING, REGULATOR VALVE BALL RIDER	
10	370 766 R92	ORIFICE ASSY, SAFETY VALVE	
11	360 626 R2	SPRING, SAFETY VALVE	
12	360 627 R2	RETAINER, SAFETY VALVE SPRING	
13	354 854 R2	RING, SAFETY VALVE PISTON SNAP	
14	361 023 R1	PISTON, SAFETY VALVE	
15	364 842 R96	HOUSING ASSY, REGULATOR SAFETY AND FLOW CONTROL VALVE COMPOSED OF- $1 HOUSING 364 844 R4 $2 PLUG 360 623 R1 $1 PLUG 366 641 R1 1 PLUG 9 410 359 1 RING 570 828 R1 $1 VALVE 367 832 R2	
16	570 828 R1	O-RING, 41/64 X 13/16 X 5/64 -REGULATOR SAFETY AND FLOW CONTROL HOUSING PLUG - USED WITH PLUG, 9 410 359-	
17	9 410 359	PLUG, 3/4-16 REGULATOR SAFETY AND FLOW CONTROL VALVE HOUSING -USED WITH HOUSING, 364 844 R4-	
18	364 838 R1	RING, FLOW CONTROL VALVE SNAP -2-	
19	364 848 R11	RETAINER ASSY, FLOW CONTROL VALVE SPRING	
20	364 840 R1	O-RING, 13/16 X 15/16 X 1/16 -FLOW CONTROL VALVE SPRING RETAINER- -2-	
21	367 833 R1	SPRING, FLOW CONTROL VALVE	
22	377 204 R1	VALVE, FLOW CONTROL	
23	364 846 R1	RETAINER, FLOW CONTROL VALVE	
24	365 348 R1	SPRING, AUXILIARY SAFETY VALVE	
25	16 006 R1	BALL, 3/16 DIA. CR-PLTD STL	
26	365 347 R1	SEAT, AUXILIARY SAFETY VALVE	

3140 BACKHOE -43- SECTION C

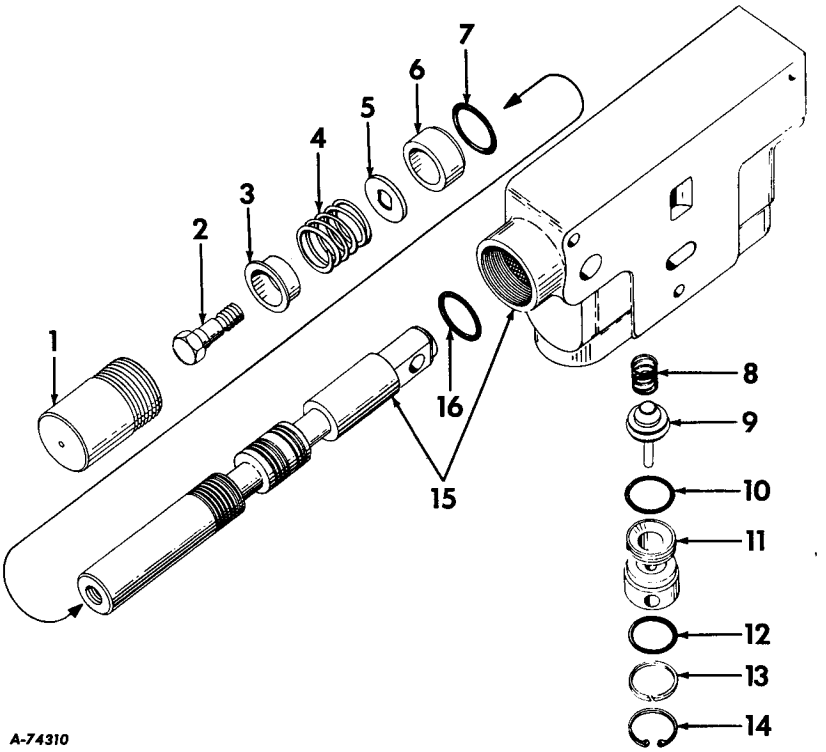
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		PILOT RELIEF VALVE	



REF. NO.	PART NUMBER	DESCRIPTION
1	388 208 R91	VALVE ASSY, PILOT OPERATED RELIEF -2000 P.S.I.-
2	359 158 R1	O-RING, 5/16 X 7/16 X 1/16 -BALL RIDER-
3	379 181 R1	O-RING, 5/8 X 3/4 X 1/16 -VALVE SEAT-
4	298 385 R1	O-RING, 11/16 X 13/16 X 1/16 -ORIFICE PLATE-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

THREE POSTION SPRING CENTERED CONTROL VALVE



A-74310

	383 270 R92	VALVE ASSY, HYD CONTROL	
	383 271 R92	VALVE ASSY, HYD CONTROL	
1	384 287 R1	CAP, CENTERING SPRING	
2	384 288 R1	SCREW, CENTERING SPRING	
3	376 423 R1	RETAINER, CENTERING SPRING	
4	384 381 R1	SPRING, CENTERING	
5	376 421 R1	WASHER, CENTERING SPRING THICK	
6	382 852 R1	RETAINER, VALVE SPOOL O-RING	
7	253 070 R1	O-RING, 7/8 X 1-1/8 X 1/8 -CONTROL VALVE SPOOL UPPER-	
8	383 190 R1	SPRING, CHECK POPPET -FURNISH 395 278 R1-	
8	395 278 R1	SPRING, CHECK POPPET	
9	383 279 R11	POPPET W/SEAL, CHECK -FURNISH 395 277 R1 AND 395 278 R1-	
9	395 277 R1	POPPET W/SEAL, CHECK	
10	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32 -CHECK BALL RETAINER INNER-	
11	383 280 R1	RETAINER, CHECK BALL	
12	362 796 R1	O-RING, 15/16 X 1-1/8 X 3/32 -CHECK BALL RETAINER OUTER-	
13	376 433 R1	WASHER, VALVE BODY PLUG O-RING BACK-UP	
14	228 275 R1	RING, CHECK BALL RETAINER SNAP	

3140 BACKHOE -44- SECTION C

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

THREE POSTION SPRING CENTERED CONTROL VALVE -CONTINUED

15	382 850 R11	BODY ASSY, CONTROL VALVE -FOR 383 270 R91-
15	383 276 R91	BODY ASSY, CONTROL VALVE -FOR 383 271 R91-
16	380 839 R1	O-RING, 7/8 X 1-1/16 X 3/32 -CONTROL VALVE SPOOL LOWER-
	383 548 R92	PACKAGE, OPEN CENTER CONTROL VALVE CONSISTS OF-

1	O-RING	253 070 R1
1	O-RING	380 839 R1
1	O-RING	359 158 R1
1	O-RING	377 805 R1
1	O-RING	362 796 R1
1	O-RING	364 879 R1
1	PISTON, UNLATCHING	377 804 R1
1	POPPET ASSY	383 279 R11
1	RETAINER	382 852 R1
1	RETAINER	383 280 R1
1	RING, SNAP	228 275 R1
1	SPRING	383 190 R1
1	WASHER	376 433 R1

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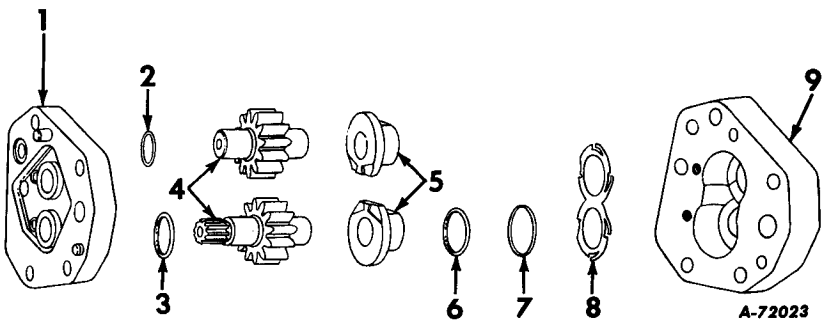
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC GEAR PUMP
-THOMPSON- -7 GPM-



	381 115 R92	PUMP ASSY, HYD GEAR -OPTIONAL WITH 381 116 R91-	
1	383 201 R92	COVER ASSY, PUMP FRONT -NOTE-	
2		O-RING, 9/16 X 11/16 -PUMP COVER PRESSURE -NOT SERVICED SEPARATELY -ORDER PACKAGE, 371 542 R92-	
3		O-RING, PUMP COVER -NOT SERVICED SEPARATELY - ORDER PACKAGE 371 542 R92-	
4	371 806 R91	PACKAGE, DRIVE AND DRIVEN GEAR -NOTE-	
5	381 159 R91	PACKAGE, PRESSURE BEARING -NOTE-	
6		O-RING, 7/8 X 1-1/16 X 3/32 -2- -OUTSIDE PRESSURE BEARING- -NOT SERVICED SEPARATELY - ORDER PACKAGE, 371 542 R92-	
7	373 182 R1	RETAINER, PRESSURE BEARING O-RING -USED WITH O-RING OUTSIDE BEARING -2-	
8	371 531 R1	SPRING, PRESSURE PLATE	
9		BODY, PUMP -NOT SERVICED SEPARATELY ORDER PUMP ASSY-	
	371 542 R92	PACKAGE, HYD PUMP O-RING AND GASKET SERVICE	
		CONSISTS OF-	
		1 GASKET	371 543 R2
		$2 O-RING	253 070 R1
		2 O-RING	364 879 R1
		$2 O-RING	371 544 R1
		$1 O-RING	371 545 R1
		$2 WASHER	368 635 R1
		NOTE- FOR SERVICE REPLACEMENT ALSO ORDER O-RING AND GASKET PACKAGE, 371 542 R92.	

3140 BACKHOE -45- SECTION C

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC GEAR PUMP -CONTINUED
-THOMPSON- -7 GPM-

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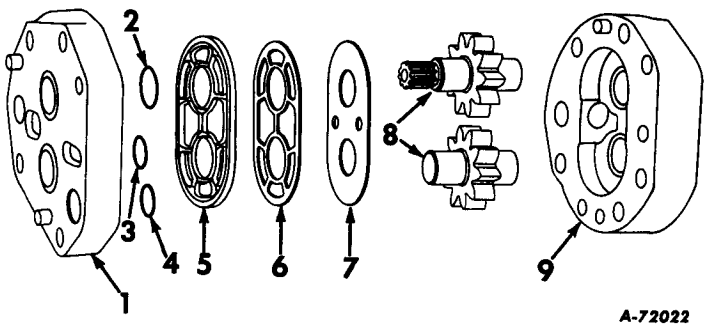
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC GEAR PUMP
-CESSNA- -7 GPM-



A-72022

	381 116 R91	PUMP ASSY, HYD GEAR -OPTIONAL WITH 381 115 R91-
1	381 158 R91	COVER ASSY, PUMP FRONT -NOTE-
2	574 069 R1	O-RING, 3/4 X 7/8 X 1/16 -PUMP COVER-
3	370 920 R1	O-RING, 1/2 X 5/8 X 1/16 -PUMP COVER-
4		O-RING, 9/16 X 11/16 X 1/16 -PUMP PRESSURE EXTERNAL -NOT SERVICED SEPARATELY - ORDER PACKAGE 381 154 R91-
4		O-RING, 9/16 X 11/16 X 1/16 -PUMP PRESSURE INTERNAL -NOT SERVICED SEPARATELY - ORDER PACKAGE 381 154 R91-
5		SEAL, DIAPHRAGM -NOT SERVICED SEPARATELY - ORDER PACKAGE 381 154 R91-
6		GASKET, BACK-UP -NOT SERVICED SEPARATELY - ORDER PACKAGE 381 154 R91-
7		DIAPHRAGM, PRESSURE -NOT SERVICED SEPARATELY - ORDER PACKAGE 381 154 R91-
8	371 813 R91	PACKAGE, DRIVE AND DRIVEN GEAR -NOTE-
9	381 160 R91	BODY W/BUSHINGS ASSY, PUMP -NOTE-

381 154 R91 PACKAGE, HYD PUMP O-RING AND GASKET SERVICE
CONSISTS OF-

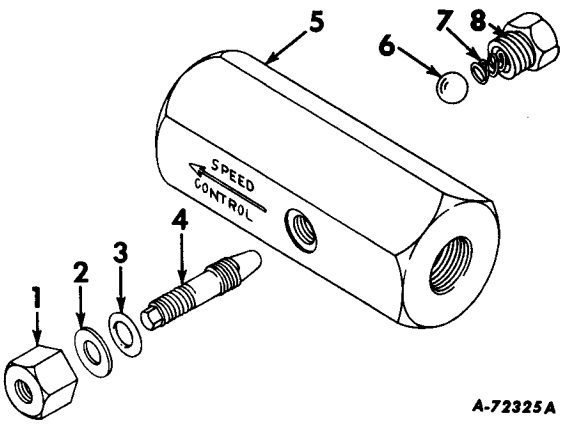
$1	DIAPHRAGM	371 551 R1
1	GASKET	371 543 R2
$1	GASKET	371 553 R1
$1	GASKET	381 155 R1
1	O-RING	370 920 R1
$2	O-RING	371 544 R1
1	O-RING	574 069 R1
$1	SEAL	371 552 R1
1	WASHER	370 897 R1

NOTE- FOR SERVICE REPLACEMENT ALSO ORDER O-RING AND GASKET PACKAGE, 381 154 R91.

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC GEAR PUMP -CONTINUED
-CESSNA- -7 GPM-

FLOW CONTROL VALVE

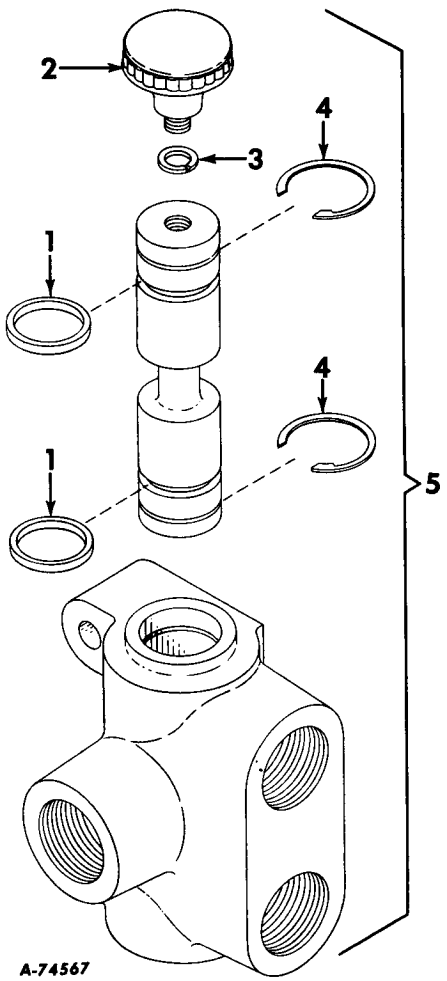


A-72325A

	470 776 R91	VALVE ASSY, FLOW CONTROL
1	471 409 R1	NUT, LOCK
2	471 408 R1	WASHER
3	471 407 R1	RING, QUAD
4	471 410 R1	SPOOL, NEEDLE CONTROL
5		BODY, FLOW CONTROL VALVE -NOT SERVICED SEPARATELY, ORDER VALVE ASSY-
6	518 474 R1	BALL, CHECK
7	471 403 R1	SPRING
8	471 404 R1	PLUG

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

DIVERTER VALVE -FOR INTERNATIONAL 340,460, 504,606,2504 AND 2606 TRACTORS-



1	377 952 R1	O-RING, 9/16 X 3/4 X 3/32 -2-	
2	384 283 R1	KNOB, CONTROL -NOTE A-	
2	389 255 R1	KNOB, CONTROL -NOTE B-	
3	120 381	WASHER, 3/8 CD OR ZN-PLTD LOCK	
3	131 099	WASHER, 3/8 CD OR ZN-PLTD HV-LOCK -NOTE B-	
4	661 652 R1	RING, SELECTOR VALVE RETAINING -2-	
5	469 730 R91	VALVE ASSY, DIVERTER -NOTE A-	
5	389 252 R91	VALVE ASSY, DIVERTER -NOTE B-	

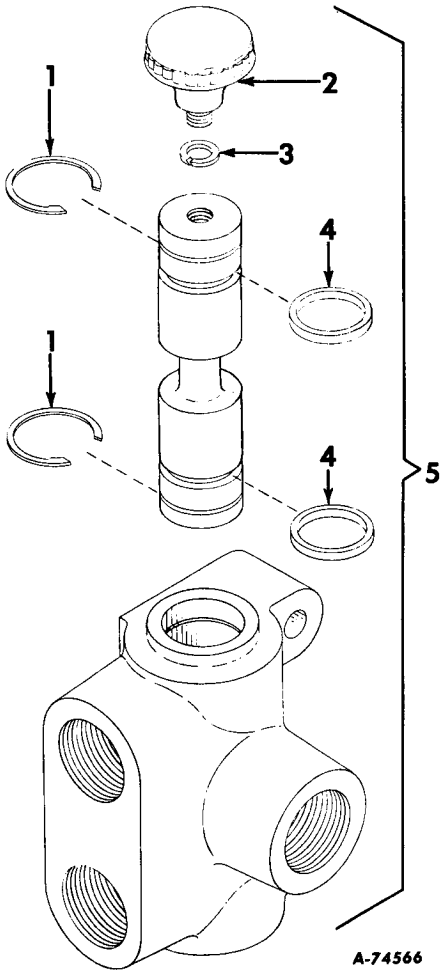
NOTE A -FOR SERVICE OF GRESEN DIVERTER VALVE-

NOTE B -FOR SERVICE OF IH MANUFACTURED DIVERTER VALVE-

3140 BACKHOE -47- SECTION C

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

DIVERTER VALVE -FOR 3414, 3514 AND 3616 LOADER TRACTOR-



1	661 652 R1	RING, SELECTOR VALVE RETAINING -2-	
2	384 283 R1	KNOB, CONTROL -NOTE A-	
2	389 255 R1	KNOB, CONTROL -NOTE B-	
3	120 381	WASHER, 3/8 CD OR ZN-PLTD LOCK -NOTE A-	
3	131 099	WASHER, 3/8 CD OR ZN-PLTD HV-LOCK -NOTE B-	
4	377 952 R1	O-RING, 9/16 X 3/4 X 3/32 -2-	
5	383 946 R91	VALVE ASSY, DIVERTER -NOTE A-	
5	389 251 R91	VALVE ASSY, DIVERTER -NOTE B-	

NOTE A -FOR SERVICE OF GRESEN DIVERTER VALVE-

NOTE B -FOR SERVICE OF IH MANUFACTURED DIVERTER VALVE-

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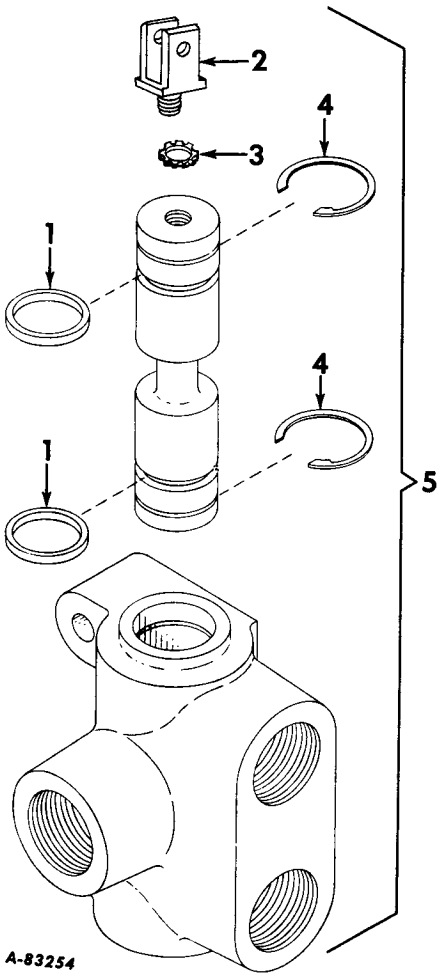
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

DIVERTER VALVE -FOR INTERNATIONAL 504 2504 606, AND 2606 TRACTOR- -1964 AND SINCE-



1	377 952 R1	O-RING, 9/16 X 3/4 X 3/32 -2-
2	669 547 R1	EXTENSION, VALVE LEVER
3	138 489	WASHER, 3/8 C-Z PLTD EXT-TOOTH
4	661 652 R1	RING, SELECTOR VALVE RETAINING -2-
5	478 887 R91	VALVE ASSY, DIVERTER

3140 BACKHOE -48- SECTION C

REF. NO. PART NUMBER DESCRIPTION BKH-1

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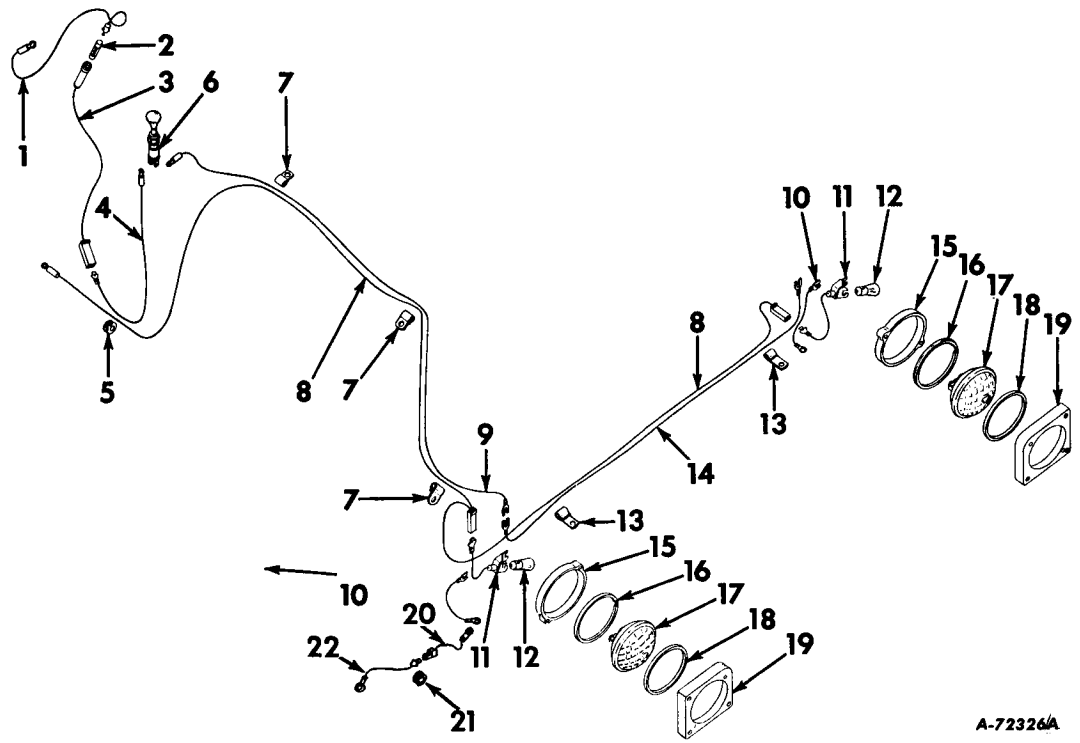
LIGHTING EQUIPMENT



REF. NO.	PART NUMBER	DESCRIPTION
1	469 656 R1	CAP ASSY, FUSE HOUSING
2	117 142	FUSE, 10 AMP
3	469 657 R1	HOUSING ASSY, FUSE
4	469 654 R1	CABLE ASSY, LIGHTING SWITCH TO FUSE HOUSING JUNCTION
5	134 252	GROMMET, LIGHTING SWITCH CABLE
6	362 818 R91	SWITCH ASSY, LIGHTING
	121 458	WASHER, 19/32 X 1-3/16 X .095 CD OR ZN-PLTD
7	366 460 R1	CLIP, CABLE SHORT -3-
		NUT, 5/16-18 CD OR ZN-PLTD HEX.
		SCREW, 5/16-18 X 3/4 CD OR ZN-PLTD HEX-HD CAP
		WASHER, 5/16 CD OR ZN-PLTD MED LOCK
		WASHER, 17/64 X 5/8 X .065
8	470 259 R91	CABLE ASSY, LAMP SOCKET JUNCTION
9	469 653 R1	CABLE ASSY, LIGHTING SWITCH TO LH LAMP
10	469 655 R1	CABLE ASSY, LAMP TO GROUND -2-
11	470 258 R91	SOCKET ASSY, LAMP -2-
12	455 490	LAMP, NO. 1003 12 VOLT -2-
13	362 667 R1	CLIP, CABLE LONG -2-
14	469 652 R1	CABLE ASSY, LH LAMP TO RH LAMP

-49- SECTION C
3140 BACKHOE
BKH-1

LIGHTING EQUIPMENT -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
15	377 305 R1	RING, HEAD LAMP CLAMPING -2-
16	377 304 R1	RING, HEAD LAMP RETAINING-REAR -2-
17	371 461 R91	UNIT ASSY, 12 VOLT SEALED BEAM -2-
18	377 303 R1	RING, HEAD LAMP RETAINING - FRONT -2-
19	377 302 R1	HOUSING, HEAD LAMP -2-
		NUT, 1/4-20 CD OR ZN-PLTD HEX. -6-
	153 326	SCREW, 10-24 X 1-1/2 CD OR ZN-PLTD CR-REC-FIL-HD MACH -4-
	153 802	SCREW, 1/4-20 X 1-1/4 CD OR ZN-PLTD CR-REC-FIL-HD MACH -6-
		WASHER, 1/4 CD OR ZN-PLTD MED LOCK
20	481 701 R91	CABLE ASSY, LAMP TO GROUND WIRE -FOR 3514 AND 3616 TRACTOR-
21	128 157	GROMMET, RUBBER -FOR 3514 AND 3616 TRACTOR-
22	481 702 R91	CABLE ASSY, INTERMEDIATE GROUND -FOR 3514 AND 3616 TRACTOR-
	120 361	NUT, 10-24 C-Z HEX
	188 978	SCREW, 10-24 X 3/8 C-Z HEX-HD MACH
	120 217	WASHER, NO.10 C-Z MED LOCK

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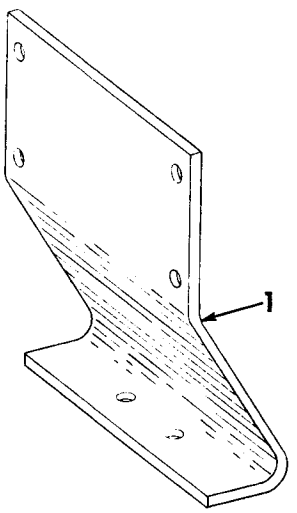
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

BATTERY MOUNTING BRACKET -FOR I-504 & I-606 DIESEL TRACTORS-



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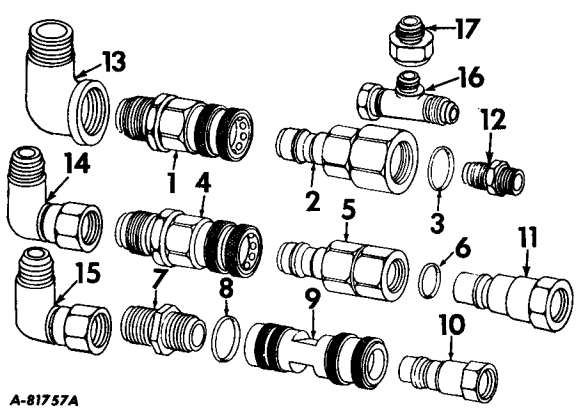
1	471 555 R1	BRACKET, BATTERY MOUNTING	
		NUT, 1/2-13 CD OR ZN-PLTD HEX.	-4-
		SCREW, 1/2-13 X 1-1/4 CD OR ZN-PLTD HEX-HD CAP	-4-
		SCREW, 1/2-13 X 3-1/4 CD OR ZN-PLTD HEX-HD CAP	-2-
		WASHER, 1/2 CD OR ZN-PLTD MED LOCK	-4-
M	81 610	SPACER, BATTERY MOUNTING BRACKET	-2- -FOR I-2504 AND I-606 DIESEL-
	313 517 R1	KEY, SQUARE	
	664 151 R1	SPACER, BATTERY MOUNTING BRACKET	-FOR I-504,I-606,I-2504 & I-2606-

HYDRAULIC QUICK DISCONNECT COUPLER ATTACHMENT



A-81757A

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC QUICK DISCONNECT COUPLER ATTACHMENT -CONTINUED

KEY TO UNITS

A - FOR USE W/T-340 OR TD-340 TRACTOR-

B - FOR USE W/INTERNATIONAL 404 OR 2404 TRACTOR-

C - FOR USE W/INTERNATIONAL 504, 606, 2504, AND 2606 TRACTORS-

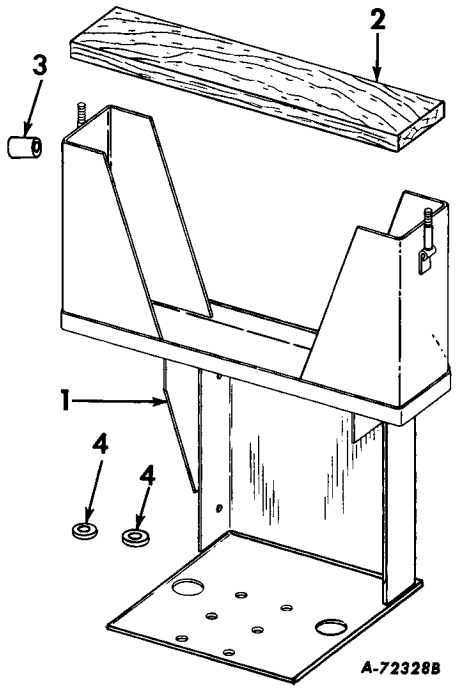
D - FOR USE W/T-340, TD-340 OR 3414 LOADER TRACTOR W/O HITCH-

E - FOR 3414 LOADER TRACTOR W/HITCH AND TANDEM PUMP, W/O AUXILIARY VALVES-

1	480 744 R91	COUPLING ASSY, HYD - SNAP TITE	-UNIT A AND B-
2	480 743 R91	NIPPLE ASSY, HYD - SNAP TITE	-UNIT A AND B-
3	296 247 R1	O-RING, 1-11/64 X 1-13/32 X 7/64	-UNIT A AND B-
4	480 746 R91	COUPLING ASSY, HYD - SNAP TITE	-UNIT A AND B-
5	480 745 R91	NIPPLE ASSY, HYD - SNAP TITE	-UNIT A AND B-
6	297 459 R1	O-RING, 1-3/64 X 1-9/32 X 1/8	-UNIT A AND B-
7	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FALRED	-2 FOR UNIT A AND D- -3 FOR UNIT B- -1 FOR UNIT C-
8	364 885 R1	O-RING, 3/4 X 15/16 X 3/32	-3 FOR UNIT A AND B- -1 FOR UNIT C AND E- -2 FOR UNIT D-
9	374 780 R92	COUPLING ASSY, SELF SEALING FEMALE	- FOR UNIT A, C, D AND E- -3 FOR UNIT B-
10	388 990 R91	COUPLING ASSY, SELF SEALING MALE	-2 FOR UNIT A AND D- -3 FOR UNIT B- -1 FOR UNIT C-
11	388 991 R91	COUPLING ASSY, SELF SEALING MALE	-1 FOR UNIT E-
12	9 402 710	CONNECTOR, 1/2-14 TO 7/8-14 37 DEG FLARED TUBE	-1 FOR UNIT E-
13	444 172	ELBOW, 1/2-14 AUTO 90 DEG ST.	-1 FOR UNIT E-
14	9 410 284	ELBOW, 1-3/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL	-1 FOR UNIT E-
15	9 410 285	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL	-1 FOR UNIT E-
16	9 410 337	TEE, 1-5/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL	-UNIT C-
17	483 594 R1	UNION, TUBE REDUCER	-UNIT C-
	2 752 936 R1	PRODUCT GRAPHIC, WARNING	-BE SURE HYD QUICK COUPLERS ARE PROPERLY CONNECTED BEFORE STARTING ENGINE-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

BATTERY TRAY -FOR 3414 LOADER TRACTOR-

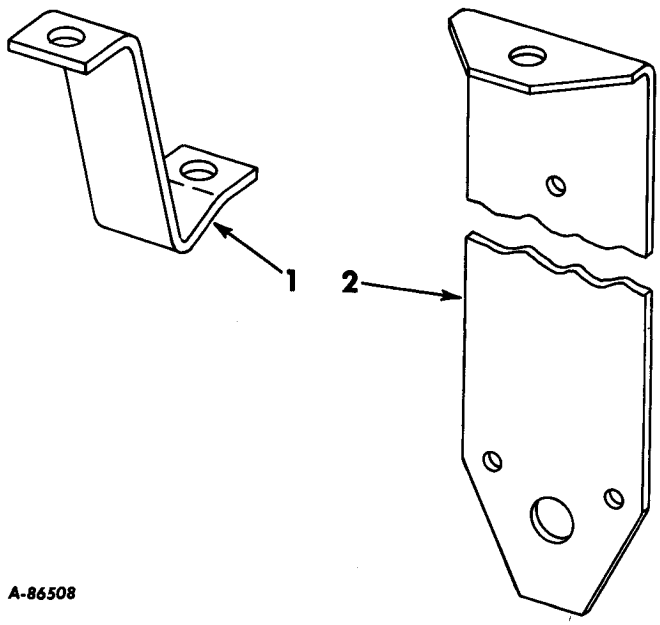


1	471 147 R94	TRAY ASSY, BATTERY NUT, 1/2-13 CD OR ZN-PLTD HEX. SCREW, 1/2-13 X 3/4 CD OR ZN-PLTD HEX-HD CAP -3-	
2	471 161 R1	SPACER, BATTERY -FOR GASOLINE VERSION ONLY-	
3	N 10 268	SPACER, BATTERY BOX -2-	
4	390 554 R1	WASHER, BATTERY BOX -4-	
	472 086 R91	CABLE ASSY, BATTERY TO SOLENOID SWITCH	

3140 BACKHOE -51- SECTION C

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

FLASHING LIGHT BRACKETS



1	394 420 R1	BRACKET, FLASHING LIGHT -FOR USE ON 3414 LOADER TRACTOR
	120 378	NUT, 1/2-20 HEX.
	180 173	SCREW, 1/2-20 X 1 HEX-HD CAP
	120 389	WASHER, 1/2 X 1-1/4 X .064
	120 384	WASHER, 1/2 MED LOCK
2	485 354 R1	BRACKET, TAIL AND FLASHING LIGHT -FOR USE ON INTERNATIONAL 504, 606, 2424, 2504 AND 2606 TRACTORS-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		PRODUCT GRAPHICS	
	473 004 R91	PRODUCT GRAPHICS SET, 3140 BACKHOE CONSISTS OF-	
2	750 120 R1	PRODUCT GRAPHICS, IH LABEL -ON BOTH SIDES AND TOP OF DIPPERSTICK -3-	
2	751 154 R1	PRODUCT GRAPHICS, LIFT & CROWD CONTROL INSTRUCTIONS LABEL -NOTE- -ON RIGHT VALVE MOUNTING PLATE-	
2	751 157 R1	PRODUCT GRAPHICS, SWING & STABILIZER CONTROL INSTRUCTIONS LABEL -NOTE- -ON LEFT VALVE MOUNTING PLATE-	
2	751 586 R1	PRODUCT GRAPHICS, 3140 MODEL DESIGNATION DECAL -ON BOTH SIDES OF BOOM UNDER INTERNATIONAL DECAL- -NOTE- -2-	
2	751 130 R1	PRODUCT GRAPHICS, INTERNATIONAL DECAL -ON BOTH SIDES OF BOOM -2-	
1	000 693 R3	PRODUCT GRAPHICS, IH OF CANADA DECAL -ON BOTH SIDES OF BOOM JUST BELOW AND IN CENTER OF INTERNATIONAL DECAL -2-	
		NOTE -NOT SERVICED SEPARATELY, ORDER PRODUCT GRAPHICS SET-	

3140 BACKHOE -52- SECTION C

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

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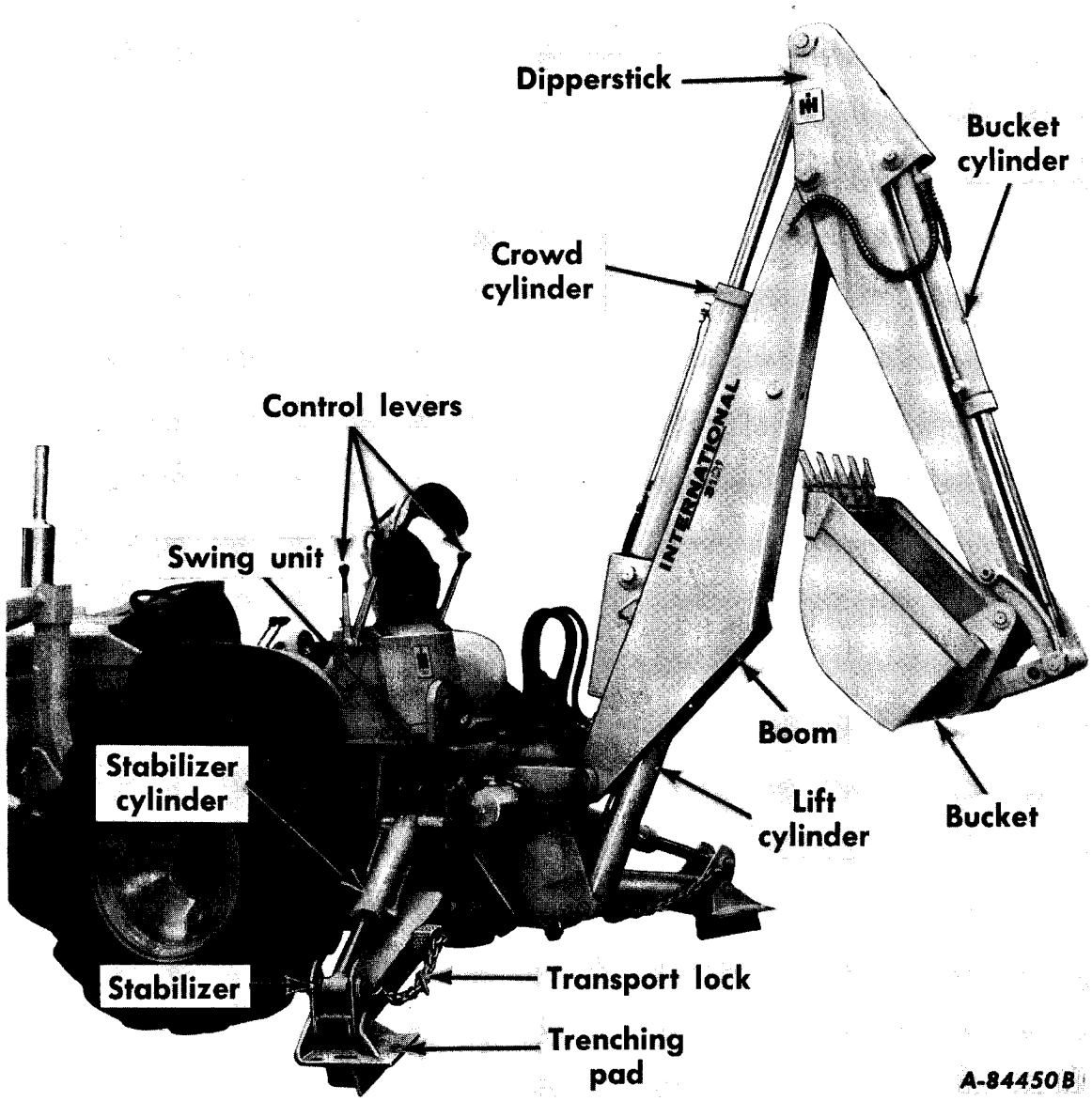
BKH-1

INTERNATIONAL 3121 BACKHOE
Built 1965 and Since



International 3121 Backhoe shown on International 2504 Tractor

INDEX TO UNITS

BKH-1

DESCRIPTION	Page
BOOM	7
BRACKETS	
Battery Mounting (For International 504 and 606 Diesel Tractor)	90
Fender	
For International 504, 606, 2504 and 2606 Tractors	17
For International 424, 444, 2424 and 2444 Tractors	13
For International 3414 and 3444 Loader Tractors	14
Flashing Light	94
BUCKET	7
CONNECTIONS, Battery	
For 2424 and 2444 Diesel Tractor	96
CONTROLS, Hydraulic	
All Tractors except 500 C Crawler	23
For 500C Crawler Tractor	25
COUNTERWEIGHT, Front	90
COUPLER, Quick Disconnect	92
CYLINDERS, Hydraulic	
Bucket	7, 10
Crowd	7, 10
Power Steering	68
Stabilizer	7,10
Tilt	97
DIPPERSTICK	7
FILTER, Oil	72,98
FILTER, Oil (Truck Mounted Backhoe)	71
FLANGE, Pump Mounting (For International 504, 606, 2504 and 2606 Tractors equipped w/2000 or 3000 Loader or Independent Subframe)	38
FRAME, Main	5
HYDRAULIC CONNECTIONS	
Basic	33
For International 2424 and 2444 Tractor equipped w/Loader	44
For International 2444 Tractor w/o Hydraulic Lift or Power Steering	39

DESCRIPTION	Page
HYDRAULIC CONNECTIONS -Continued-	
For 2444 Tractor w/o Power Steering	41
For International 3414 Loader Tractor with Auxiliary Valve	53
For International 3414 Loader Tractor with Hydraulic Lift	51
For International 3414 Loader Tractor with Hydraulic Lift and Auxiliary Valve	52
For International 3414 Loader Tractor w/o Hydraulic Lift and Auxiliary Valve	55
For International 3514 and 3616 Loader Tractors	47
For International 3514 and 3616 Loader Tractors w/Hydrostatic Drive	49
For International 3444 Tractors w/Hydraulic Lift and w/Auxiliary Valve	57
For International 3444 Tractors w/o Hydraulic Lift and w/Auxiliary Valve	58
For International 3444 Tractors w/o Hydraulic Lift and w/o Auxiliary Valve	60
For International 3444 Tractors w/Hydraulic Lift and w/o Auxiliary Valve	62
For International 3444 Tractors w/Hydraulic Lift, Diverter Valve and w/o Auxiliary Valve	63
For International 2544 Tractors w/Gear Drive	65
For International 2544 Tractors w/Hydrostatic Drive	67
For Truck Mounting Backhoe	97
LIGHTING EQUIPMENT	88
PACKAGES, Completing (Field Application)	
Relief Valves	13
Subframe Bolts	13
PADS	5
PRODUCT GRAPHICS	98
PUMP AND POWER SUPPLY CONNECTIONS	
For 500 Crawler Tractor	36
For 500C Crawler Tractor	37

PRINTED IN UNITED STATES OF AMERICA

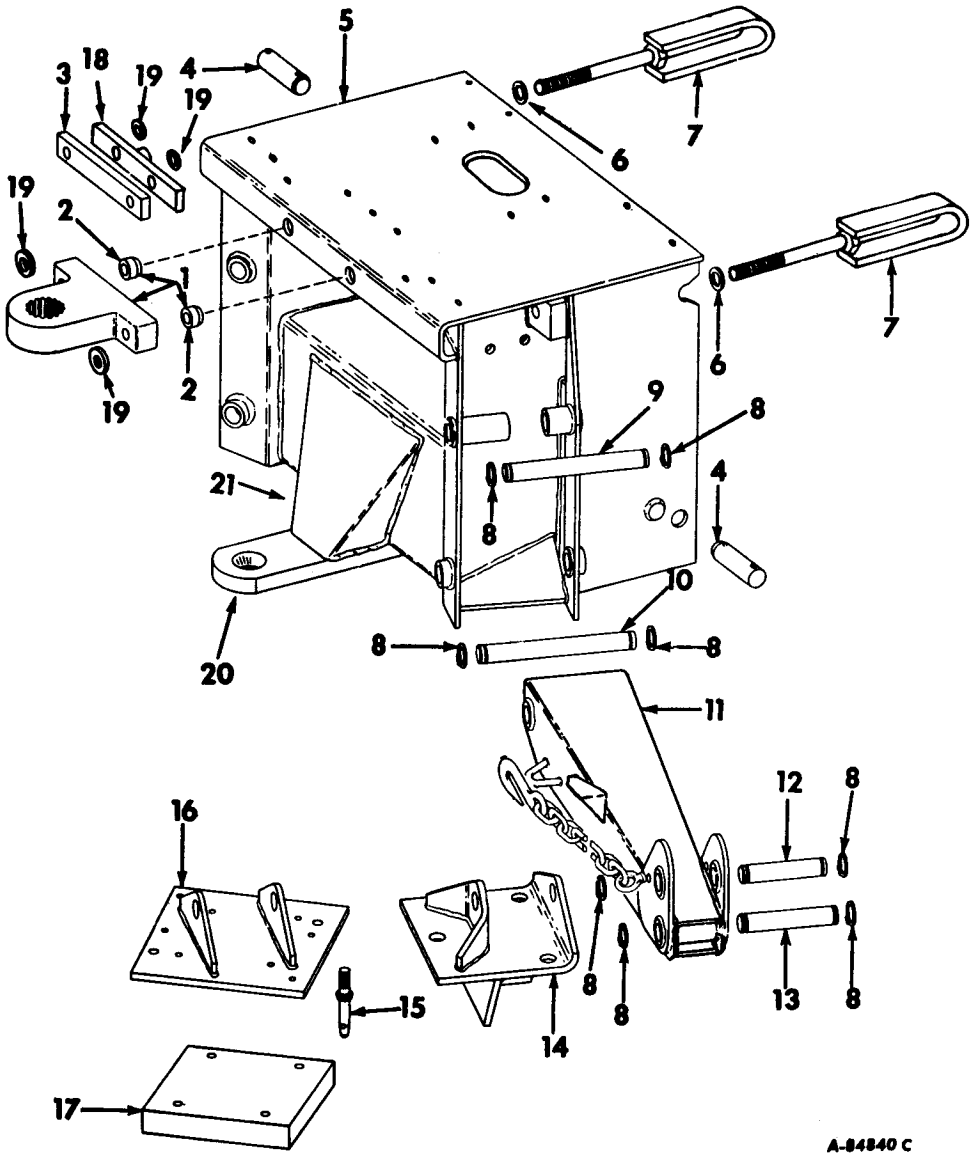
INDEX TO UNITS - Continued BKH-1

DESCRIPTION	Page
PUMP AND POWER SUPPLY CONNECTIONS - Continued	
For International 504, 606, 2504 and 2606 Tractors	35
For International 504, 606, 2504 and 2606 Tractors w/o Loader	35
For International 504, 606, 2504 and 2606 Tractors equipped w/2000 or 3000 Loader or Independent Subframe	34
PUMPS, Hydraulic Gear	
Cessna	
7 GPM	85
9 GPM	86
Diesel 9 GPM	87
Shearing	97
Thompson	
7 GPM	84
9 GPM	86
SEAT	22
STABILIZER	5
SUBFRAMES	
For International 504, 606, 2504 and 2606 Tractors	17
For International 424, 444, 2424 and 2444 Tractors	13
For International 3414 and 3444 Loader Tractors	14
For International 3514 and 3616 Loader Tractors	20
For 500 Crawler Tractor w/3050 Loader, 5-G2, 10 or 11 Bullgrader	15
For International 504, 606, 2504 and 2606 Tractors w/o Loader	12
For International 2544 Tractors	18
SUPPORT, Seat	
For International 2424, 2444, 504, 2504, 606, 2606 Tractors, 3414 Loader Tractor, and 500 Crawler Tractor	22
For International 3514 and 3616 Loader Tractors	18
SWING ATTACHMENT, Foot Operated	95
SWING MECHANISM	39
TRAY, Battery	
For 3414 and 3444 Loader Tractors	91
For 2544 International Tractor	91
TUBES, Hydraulic	30
VALVES	
Check	
Lever Operated	76, 77
Stabilizer	75, 79, 97
Control	
All except Crawler Tractor	28
500C Crawler Tractors	29
Diverter	
For International 504, 606, 2504 and 2606 Tractors	72
For 3414, 3444, 3514, and 3616 Loader Tractors	73
For International 2424 and 2444 Tractor w/2000 Loader	74
For Truck Mounted Backhoe	73
Flow Divider	32
Loader	27
Pilot Relief	83
Pilot, Steering	70
Pump, Hand	69
Three Position Control	82
Tilt Control	76
Four Position Control	80
WEIGHT, Bucket	89

DIAGRAMS, Hydraulic ..... Refer to Introduction Pages XIII thru XVIII

BKH-1

MAIN FRAME, STABILIZER & PADS



REF. NO.	PART NUMBER	DESCRIPTION
1	468 389 R21	MOUNT W/PILOTS, TOP SWING
	19 925 R1	NUT, 7/8-9 HEX. -2-
	21 021 R1	SCREW, 7/8-9 X 5-1/2 HEX-HD CAP -2-
	289 757 R1	SCREW, 7/8-9 X 4-1/4 HEX-HD CAP -2-
2	469 118 R1	PILOT, TOP SWING MOUNT -2-
3	468 388 R2	BAR, BACKUP TOP SWING MOUNT
4	468 639 R1	PIN, MAIN FRAME LOCKING -2- -NOT USED FOR CRAWLER TRACTORS-
	520 174 R1	PIN, QUICK ATTACHING COT. -4-

-5- SECTION D
3121 BACKHOE
BKH-1

MAIN FRAME, STABILIZER & PADS -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
4	492 571 R1	PIN ASSY, TIE BAR -FOR 500C CRAWLER TRACTORS-
5	481 688 R91	FRAME ASSY, BACKHOE MAIN -ALL EXCEPT 500 C CRAWLER-
5	492 573 R2	FRAME ASSY, BACKHOE MAIN -FOR 500C CRAWLER TRACTORS-
	621 006 C1	PIN, LOCKING -2-
6	470 459 R1	WASHER, 1-1/16 X 2 X 10 GA -SPECIAL- -2-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		MAIN FRAME, STABILIZER & PADS -CONTINUED	
7	473 651 R92	BOLT ASSY, MAIN FRAME MOUNTING EYE -2-	
		-NOT USED FOR CRAWLER TRACTORS-	
	220 088	NUT, 1-8 C-Z HEX. -2-	
	426 899	NUT, 1-8 C-Z HEX. JAM -2-	
7	540 966 R1	LUG, MAIN FRAME MTG -2-	
		-FOR 500C CRAWLER TRACTORS-	
	21 305 R1	SCREW, 1/8 X 3-1/2 HEX-HD CAP TYPE 4 -2-	
8	468 283 R1	RING, EXTERNAL RETAINING -16-	
9	468 638 R2	PIN, STABILIZER TO MAIN FRAME -2-	
10	468 635 R2	PIN, STABILIZER TO MAIN FRAME -2-	
11	468 655 R14	STABILIZER ASSY, BACKHOE LEFT	
11	468 656 R14	STABILIZER ASSY, BACKHOE RIGHT	
12	468 637 R1	PIN, STABILIZER TO CYL -2-	
13	468 636 R1	PIN, STABILIZER TO PAD ASSY -2-	
14	468 392 R11	PAD ASSY, BACKHOE STABILIZER TRENCHING -2-	
15	525 921 R1	PIN, HITCH -FOR SOD PAD- -8-	
	426 767	NUT, 7/8-14 C-Z HEX. -8-	
	131 047	WASHER, 7/8 C-Z MED LOCK -8-	
16	469 103 R91	PAD ASSY, LEFT STABILIZER SOD -SPECIAL-	
16	469 104 R91	PAD ASSY, RIGHT STABILIZER SOD -SPECIAL-	
16	545 742 R1	PLATE ASSY, BASE -2-	
		-FOR 500C CRAWLER TRACTORS-	
	271 783	SCREW, 3/4-10 X 5 ZND HEX-HD CAP -8-	
	21 101 R1	WASHER, .781 X 2.25 X 11 GA -6-	
	220 086	NUT, 3/4-10 ZND HEX. -6-	
17	469 108 R2	PAD, STABILIZER STREET -2-	
	18 733 R1	BOLT, 3/4-10 X 2-1/2 C-Z CRG -8-	
	131 046	WASHER, 3/4 C-Z MED LOCK -8-	
	220 086	NUT, 3/4-10 C-Z HEX. -8-	
17	544 015 R1	PAD ASSY, STREET -2-	
		-FOR 500C CRAWLER TRACTORS-	
	271 769	SCREW, 3/4-10 X 1-3/4 ZND HEX-HD CAP -8-	
	131 046	WASHER, 3/4 ZND MED LOCK -8-	
	220 086	NUT, 3/4-10 ZND HEX. -8-	
18	484 483 R1	BAR, BACK-UP OUTER TOP SWING MOUNT	
19	384 697 R1	WASHER, .906 X 1.75 X .164 -4-	
20	468 380 R1	PLATE, MAIN FRAME SWING MOUNT	
21	468 378 R1	GUSSET, MAIN FRAME SWING MOUNT	

3121 BACKHOE -6- SECTION D

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

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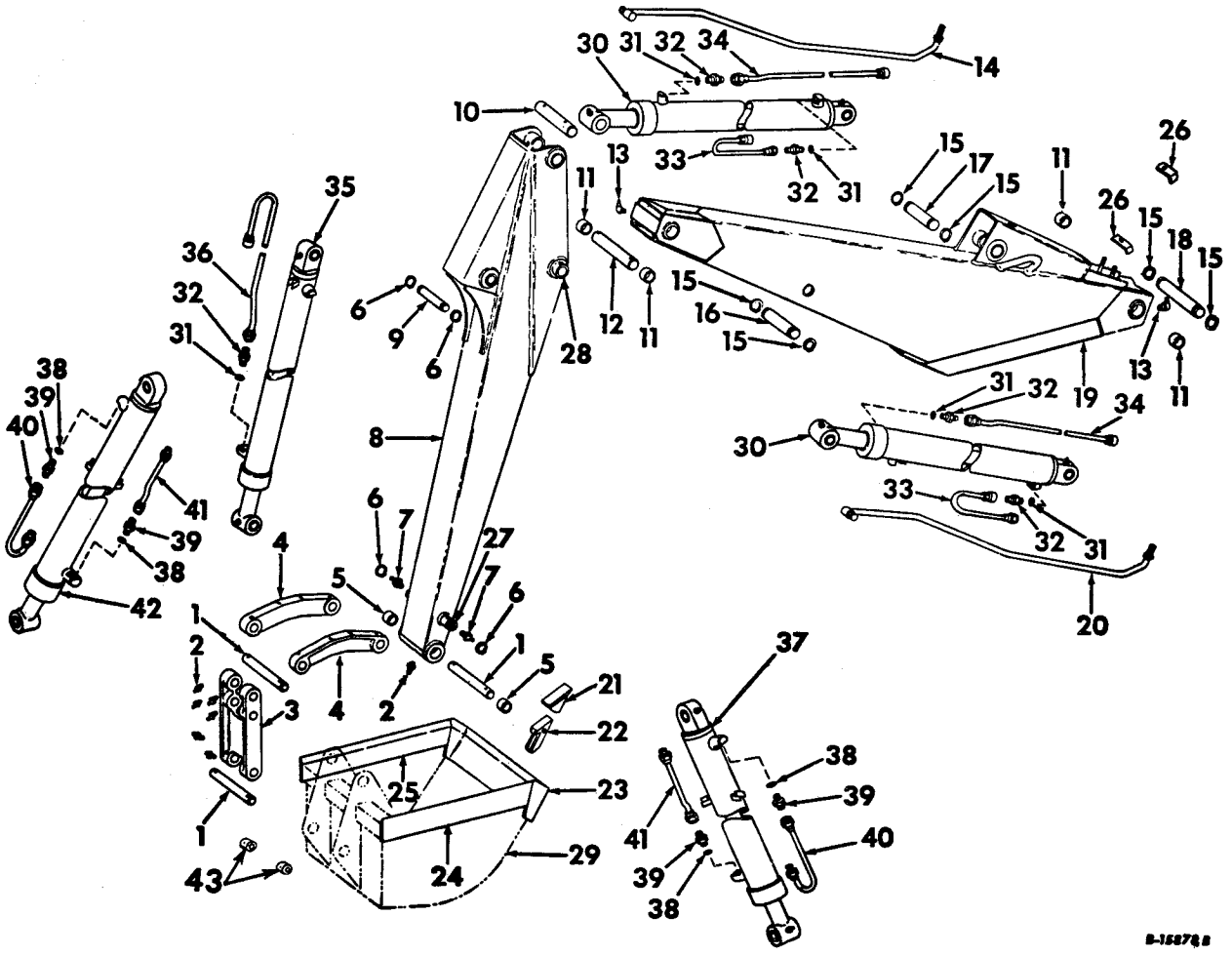
BOOM, BUCKET, DIPPERSTICK, HYDRAULIC CYLINDERS & CONNECTIONS



REF. NO.	PART NUMBER	DESCRIPTION
1	468 284 R3	PIN, BUCKET LINK -3-
	187 988	PIN, 3/16 X 1-1/4 C-Z COT. -4-
	472 713 R1	PIN, 1/2 X 2-9/16 STD-HD -4-
2	109 461	FITTING, 1/8-27 PTF STR LUB -7-
3	468 289 R1	LINK, REAR BUCKET
4	468 285 R2	LINK, FORWARD BUCKET LH
4	493 398 R1	LINK, FORWARD BUCKET RH
	187 988	PIN, 3/16 X 1-1/4 C-Z COT. -2-
	472 712 R1	PIN, 1/2 X 3-9/16 STD-HD -2-
5	468 280 R1	BUSHING, LINK PIVOT -2-
6	468 283 R1	RING, BUCKET LINK PIVOT SHAFT EXT SNAP -4-
7	109 461	FITTING, 1/8-27 PTF STR LUB -2-
8	468 270 R93	DIPPERSTICK W/BUSHINGS, BACKHOE
9	468 282 R1	PIN, BUCKET CYLINDER TO DIPPERSTICK
10	468 288 R1	PIN, DIPPERSTICK TO CROWD CYLINDER
	187 988	PIN, 3/16 X 1-1/4 C-Z COT. -2-
	272 714 R1	PIN, 1/2 X 3-3/8 STD-HD -2-
11	468 366 R1	BUSHING, BOOM PIVOT CARRIER -4-
12	468 287 R1	PIN, BOOM PIVOT
	187 988	PIN, 3/16 X 1-1/4 C-Z COT. -2-
	472 712 R1	PIN, 1/2 X 3-9/16 STD-HD -2-
	625 688 R1	WASHER, 2-1/32 X 3 X 16 GA -AS REQUIRED-
13	109 462	FITTING, 1/8-90 DEG ELBOW LUB -2- -BOOM PIVOT CARRIER-

-7- SECTION D
3121 BACKHOE
BKH-1
BOOM, BUCKET, DIPPERSTICK, HYDRAULIC CYLINDERS & CONNECTIONS

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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		BOOM, BUCKET, DIPPERSTICK, HYDRAULIC -CONTINUED CYLINDERS & CONNECTIONS	
14	470 474 R11	TUBE ASSY, BACKHOE BOOM LEFT	
	9 403 295	NUT, 7/8-14 C-Z BULKHEAD UNION LOCK -2-	
	9 403 298	NUT, 1-5/16-12 C-Z BULKHEAD UNION LOCK -2-	
	138 566	WASHER, 7/8 C-Z INTERNAL TOOTH LOCK -2-	
	471 961 R1	WASHER, 1-5/16 C-Z INTERNAL TOOTH LOCK -2-	
15	468 371 R1	RING, EXTERNAL RETAINING -6-	
16	468 367 R1	PIN, BOOM CYLINDER UPPER	
17	468 369 R1	PIN, SHROUD	
18	468 368 R1	PIN, BOOM TO SWING MECHANISM	
	625 688 R1	WASHER, 2-1/32 X 3 X 16 GA	
19	468 353 R94	BOOM W/BUSHINGS, BACKHOE	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
20	470 475 R11	TUBE ASSY, BACKHOE BOOM RIGHT	
	9 403 295	NUT, 7/8-14 C-Z BULKHEAD UNION LOCK -2-	
	9 403 298	NUT, 1-5/16-12 C-Z BULKHEAD UNION LOCK -2-	
	138 566	WASHER, 7/8 C-Z INT-TOOTH LOCK -2-	
	471 961 R1	WASHER, 1-5/16 C-Z INT-TOOTH LOCK -2-	
21	468 733 R1	TOOTH, POINT -3 USED FOR 12 IN., 4 USED FOR 16, 18 AND 20 IN., 5 USED FOR 22, 24 AND 26 IN., 6 USED FOR 28, 30 AND 32 IN. AND 7 USED FOR 34 AND 36 IN. BUCKET-	
21	485 353 R1	POINT, TOOTH -HEAVY DUTY -4 USED FOR 16 AND 20 IN., 5 USED FOR 22 AND 26 IN., 6 USED FOR 28, 30 AND 32 IN., 7 USED FOR 34 IN.-	
21	470 242 R1	TOOTH, POINT -SPECIAL FOR MOLES PAW TYPE BUCKET- -4 USED FOR 18 IN., 5 USED FOR 24 IN.-	
21	486 913 R1	POINT, LOCK PIN TOOTH	
	486 914 R1	PIN, TOOTH LOCKPIN -4 USED 24 IN. HEAVY DUTY BUCKET- -5 USED 30 IN. HEAVY DUTY BUCKET AND 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET- -6 USED 36 IN. HEAVY DUTY BUCKET-	
21	486 433 R1	POINT, TOOTH -4- -FOR MOLES PAW 24 IN. BUCKET-	
21	540 085 R1	POINT, LONG ROCK -4- -FOR 24, 30 & 36 IN. HEAVY DUTY BUCKET-	
21	540 087 R1	POINT, BREAKER -FROST BREAKER-	
	540 088 R1	FLEX PIN, POINT	
	23 173 R1	PIN, 1/2 X 2.750 C-Z STD HD -4-	
21	544 872 R1	POINT, WIDE TOOTH -AS REQUIRED-	
22	468 314 R1	SHANK, TOOTH -3 USED FOR 12 IN., 4 USED FOR 16, 18 AND 20 IN., 5 USED FOR 22, 24 AND 26 IN., 6 USED FOR 28, 30 AND 32 IN. AND 7 USED FOR 34 AND 36 IN. BUCKET-	
22	471 547 R1	SHANK, POINT - SPECIAL FOR MOLES PAW TYPE BUCKET- -4 USED FOR 18 IN., 5 USED FOR 24 IN.-	
22	486 912 R1	SHANK, LOCK PIN TOOTH -4 USED 24 IN. HEAVY DUTY BUCKET- -5 USED 30 IN. HEAVY DUTY BUCKET AND 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET- -6 USED 36 IN. HEAVY DUTY BUCKET-	

3121 BACKHOE -8- SECTION D

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		BOOM, BUCKET, DIPPERSTICK, HYDRAULIC -CONTINUED CYLINDERS & CONNECTIONS	
23	468 764 R1	BLADE, FRONT CUTTING -FOR 12 IN. BUCKET-	
23	483 615 R1	BLADE, FRONT CUTTING -FOR 16 IN. BUCKET-	
23	468 758 R1	BLADE, FRONT CUTTING -FOR 18 IN. BUCKET-	
23	480 804 R1	BLADE, FRONT CUTTING -FOR 18 IN. BELL-HOLE BUCKET-	
23	483 621 R1	BLADE, FRONT CUTTING -FOR 20 IN. BUCKET-	
23	483 627 R1	BLADE, FRONT CUTTING -FOR 22 IN. BUCKET-	
23	468 310 R1	BLADE, FRONT CUTTING -FOR 24 IN. BUCKET-	
23	486 919 R1	BLADE, FRONT CUTTING -FOR 24 IN. HIGH CAPACITY HEAVY DUTY AND HEAVY DUTY BUCKET-	
23	480 805 R1	BLADE, FRONT CUTTING -FOR 24 IN. BELL-HOLE BUCKET-	
23	483 633 R1	BLADE, FRONT CUTTING -FOR 26 IN. BUCKET-	
23	483 639 R1	BLADE, FRONT CUTTING -FOR 28 IN. BUCKET-	
23	472 975 R1	BLADE, FRONT CUTTING -FOR 30 IN. BUCKET-	
23	486 928 R1	BLADE, FRONT CUTTING -FOR 30 IN. HEAVY DUTY BUCKET-	
23	483 651 R1	BLADE, FRONT CUTTING -FOR 32 IN. BUCKET-	
23	483 657 R1	BLADE, FRONT CUTTING -FOR 34 IN. BUCKET-	
23	468 770 R1	BLADE, FRONT CUTTING -FOR 36 IN. BUCKET-	
23	480 590 R1	BLADE, FRONT CUTTING -FOR 36 IN. TRENCHING BUCKET-	
23	486 933 R1	BLADE, FRONT CUTTING -FOR 36 IN. HEAVY DUTY BUCKET-	
24	468 313 R1	BAR, RIGHT SIDE CUTTING -FOR 16, 18, 20, 22, 24, 26, 28, 32 AND 34 IN. BUCKET-	
24	486 922 R1	BAR, RIGHT SIDE CUTTING -FOR 24, 30, AND 36 IN. HEAVY DUTY BUCKET-	
24	490 096 R1	BAR, RIGHT SIDE CUTTING -FOR 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET-	
25	468 312 R1	BAR, LEFT SIDE CUTTING -FOR 16, 18, 20, 22, 24, 26, 28, 32 AND 34 IN. BUCKET-	
25	486 921 R1	BAR, LEFT SIDE CUTTING -FOR 24, 30 AND 36 IN. HEAVY DUTY BUCKET-	
25	490 095 R1	BAR, LEFT SIDE CUTTING -FOR 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET-	
26	486 477 R1	CLAMP, HYD. TUBE -2-	
27	468 281 R1	SHAFT, BUCKET LINK PIVOT	
28	468 277 R1	BOSS, BOOM TO DIPPERSTICK -2- -ALSO PART OF DIPPERSTICK ASSY-	
29		BUCKET -SERVICED ONLY AS A MACHINE ATTACHMENT-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		BOOM, BUCKET, DIPPERSTICK, HYDRAULIC -CONTINUED	
		CYLINDERS & CONNECTIONS	
30	385 616 R92	CYLINDER ASSY, 4 X 33.7 -FOR CROWD AND LIFT- -DOUBLE ACTION- -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
30	545 040 R91	CYLINDER ASSY, LIFT -NOTE- -FOR TRUCK MOUNTED UTILITY BACKHOES- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
31	364 885 R1	O-RING, 5/8 OD TUBE -5-	
32	9 410 204	CONNECTOR, 7/8-14 37 DEG FLARED SHORT SWIVEL -FOR 5/8 TUBE- -5-	
33	481 694 R11	TUBE ASSY, LIFT CYLINDER HEAD END -2-	
34	481 693 R11	TUBE ASSY, LIFT CYLINDER ROD END -2-	
35	385 609 R93	CYLINDER ASSY, 3-1/2 X 27 -FOR BUCKET- -DOUBLE ACTION- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
36	474 284 R11	TUBE ASSY, BUCKET CYLINDER RETURN	
37	385 613 R92	CYLINDER ASSY, 3-1/2 X 18.19 -FOR RIGHT STABILIZER- -DOUBLE ACTION- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
38	570 828 R1	O-RING, 1/2 OD TUBE -4-	
39	9 410 203	CONNECTOR, 3/4-16 37 DEG FLARED SHORT SWIVEL -4-	
40	474 285 R11	TUBE ASSY, STABILIZER CYLINDER FRONT -2-	
41	474 286 R11	TUBE ASSY, STABILIZER CYLINDER REAR -2-	
42	385 612 R92	CYLINDER ASSY, 3-1/2 X 18.19 -FOR LEFT STABILIZER- -DOUBLE ACTION- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
43	468 316 R1	BOSS, BUCKET PIVOT -4- -2 FOR 18 IN. BUCKET W/3.9 CU FT. CAPACITY, ALSO ORDER TWO 469 663 R1 BOSS-	
	492 015 R1	DIPSTICK ASSY, TRANSMISSION -2544 TRACTORS W/GEAR DRIVE & 2000 OR 3000 LOADER-	
	541 336 R1	DIPSTICK ASSY, TRANSMISSION -2544 TRACTORS W/HYDROSTATIC DRIVE & 2000 OR 3000 LOADER-	
		NOTE CYLINDER 545 040 R91 IS USED AS LIFT CYLINDER ONLY ON TRUCK MOUNTED BACKHOE.	

3121 BACKHOE -9- SECTION D

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

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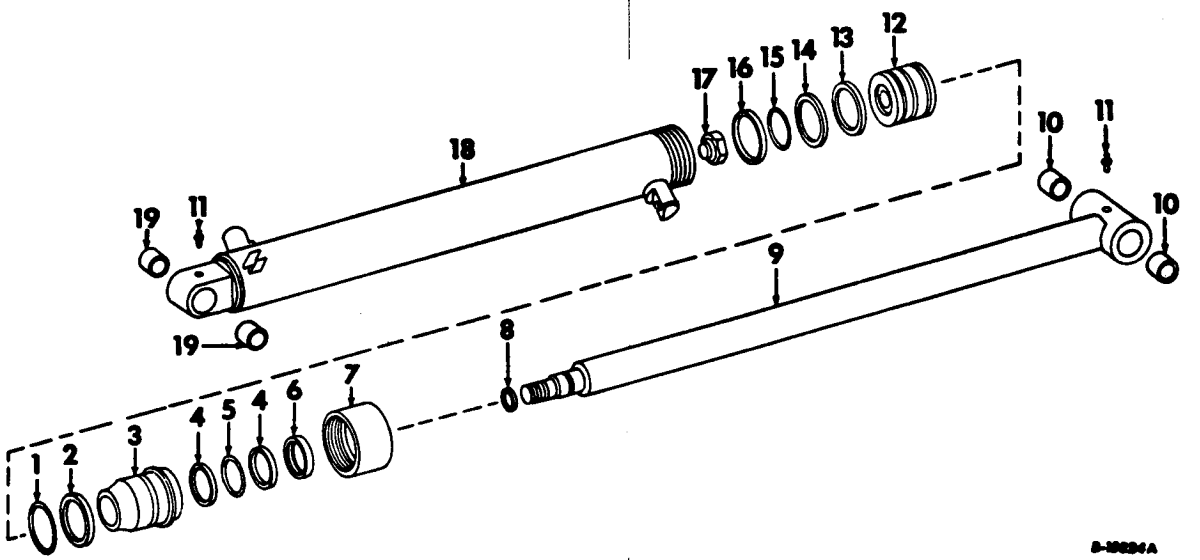
HYDRAULIC CYLINDERS



REF. NO.	PART NUMBER	DESCRIPTION
	545 040 R91	CYLINDER ASSY 4.0 X 33.70 -DIPPERSTICK- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT A-
	545 034 R91	CYLINDER ASSY, 3.0 X 19.95 -TILT- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT B-
	385 609 R93	CYLINDER ASSY, 3-1/2 X 27 -FOR BUCKET- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT C-
	385 616 R92	CYLINDER ASSY, 4 X 33.75 -FOR LIFT- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT D-
	385 612 R92	CYLINDER ASSY, 3-1/2 X 18.19 -FOR LEFT STABILIZER- -DOUBLE ACTION- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT E-
	385 613 R92	CYLINDER ASSY, 3-1/2 X 18.19 -FOR RIGHT STABILIZER- -DOUBLE ACTION- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT F-
1	381 871 R1	O-RING, FRONT HEAD STATIC -UNIT B-
1	352 216 R1	O-RING, 3-1/8 X 3-1/2 X 3/16 -UNIT C, E AND F-
1	347 801 R1	O-RING, 3-5/8 X 4 X 3/16 -UNIT A AND D-
2	387 370 R1	WASHER, FRONT HEAD O-RING BACKUP -UNIT B-
2	381 088 R1	WASHER, FRONT HEAD O-RING BACKUP -UNIT C, E AND F-
2	381 107 R1	WASHER, FRONT HEAD BACKUP -UNIT A AND D-
3	404 993 R1	HEAD, FRONT -UNIT B-
3	381 080 R1	HEAD, CYL FRT -UNIT C, E AND F-
3	381 106 R1	HEAD, FRONT -UNIT A AND D-

3121 BACKHOE -10- SECTION D
BKH-1

HYDRAULIC CYLINDERS -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
4	403 622 R1	WASHER, PISTON ROD QUAD-RING BACK UP -2 -UNIT B-
4	381 083 R2	WASHER, PISTON ROD BACKUP -2- -UNIT A, C, D, E AND F-
5	400 745 R1	RING, PISTON ROD QUAD -UNIT B-
5	398 978 R1	QUAD RING, PISTON ROD -UNIT A, C, D, E AND F-
6	403 460 R1	WIPER, PISTON ROD -UNIT B-
6	619 072 C91	WIPER, PISTON ROD -UNIT A, C, D, E AND F-
7	381 873 R1	RING, FRONT HEAD RETAINING -UNIT B-
7	381 089 R1	RETAINER, FRONT HEAD -UNIT C, E AND F-
7	381 111 R1	RING, FRONT HEAD RETAINER -UNIT A AND D-
8	252 483 R1	O-RING, 1-1/4 X 1-1/2 X 1/8 -UNIT C, E AND F-
8	293 739 R1	O-RING, 1-3/8 X 1-5/8 X 1/8 -UNIT D-
9	545 041 R1	ROD ASSY, PISTON -UNIT A- -INCLUDES REF NO 10-
9	545 038 R1	ROD ASSY, PISTON -UNIT B- -INCLUDES REF NO 10-
9	381 078 R31	ROD W/BUSHINGS, PISTON -UNIT C- -INCLUDES REF NO 10-
9	384 254 R21	ROD W/BUSHINGS, PISTON -UNIT D- -INCLUDES REF NO 10-
9	381 097 R31	ROD W/BUSHINGS, PISTON -UNIT E AND F- -INCLUDES REF NO 10-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CYLINDERS -CONTINUED	
10	468 280 R1	BUSHING -2- -UNIT C, E AND F-	
10	468 366 R1	BUSHING -2- -UNIT A AND D-	
11	109 461	FITTING, 1/8-27 PTF STR LUB -2 FOR UNIT E AND F- -1 FOR UNIT C AND D-	
11	126 152	FITTING, 1/8-27 PTF 45 DEG ANGLE LUB -1 FOR UNIT C AND D-	
12	533 373 R1	PISTON, CYLINDER -UNIT A-	
12	404 987 R1	PISTON, CYLINDER -UNIT B-	
12	381 084 R3	PISTON -UNITS C, E AND F-	
12	384 255 R1	PISTON -UNIT D-	
13	383 005 R1	RING, PISTON BEARING -UNIT C, E AND F-	
13	387 374 R1	RING, PISTON BEARING -UNIT B-	
13	383 006 R1	RING, PISTON BEARING -UNIT A AND D-	
14	533 374 R2	SEAL, PISTON -UNIT A-	
14	381 086 R1	SEAL, PISTON -UNIT C, E AND F-	
14	381 110 R1	SEAL, PISTON -UNIT D-	
15	533 375 R1	RING, PISTON INNER SEAL -UNIT A-	
15	387 373 R1	RING, PISTON SEAL -UNIT B-	
15	380 910 R1	O-RING, 3 X 3-3/16 X 3/32 -PISTON SEAL- -UNIT C, E AND F-	
15	381 109 R1	O-RING, 3-1/2 X 3-11/16 X 3-3/32 -UNIT D-	
16	387 374 R1	RING, PISTON BEARING -2- -UNIT B-	
16	383 005 R1	RING, PISTON BEARING REAR -UNIT C, E AND F-	
16	383 006 R1	RING, PISTON BEARING -UNIT A AND D-	
17	25 126 R1	NUT, 1-1/8-12 ZND HEX. LOCK -UNIT E AND F-	
17	20 251 R1	NUT, 1-1/8-12 C-2 CONELOCK -UNIT C-	
17	25 049 R1	NUT, 1-1/2-12 UNF-2B HEX LOCK -UNIT A AND D-	
17	9 416 471	NUT, HEX LOCK -UNIT B-	
18	385 610 R93	CYLINDER W/BUSHINGS -UNIT C- -INCLUDES REF NO 19-	
18	385 614 R91	CYLINDER W/BUSHINGS -UNIT E- -INCLUDES REF NO 19-	
18	385 615 R91	CYLINDER W/BUSHINGS -UNIT F- -INCLUDES REF NO 19-	
18	385 617 R91	CYLINDER W/BUSHINGS -UNIT A AND D- -INCLUDES REF NO 19-	
18	545 035 R1	BODY ASSY, HYD CYLINDER -UNIT B- -INCLUDES REF NO 19-	
19	468 280 R1	BUSHING -2- -UNIT C, E AND F-	
19	468 366 R1	BUSHING -2- -UNIT A AND D-	

3121 BACKHOE -11- SECTION D

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CYLINDERS -CONTINUED	
	533 624 R92	KIT, HYD CYL SERVICE -UNIT A- -CONSISTS OF	
		2 RING 383 006 R1	
		1 SEAL 533 374 R2	
		1 RING 533 375 R1	
		1 O-RING 347 801 R1	
		1 WASHER 381 107 R1	
		1 QUAD-RING 398 978 R1	
		2 WASHER 381 083 R2	
		1 WIPER 619 072 C91	
		1 RING 381 111 R1-	
	406 941 R91	KIT, HYD CYL SERVICE -UNIT B- -CONSISTS OF	
		1 WIPER 403 460 R1	
		1 SEAL 387 373 R1	
		1 RING 383 017 R1	
		1 RING 387 374 R1	
		1 O-RING 253 070 R1	
		1 O-RING 381 871 R1	
		1 WASHER 387 370 R1	
		1 QUAD-RING 400 744 R1	
		2 WASHER 403 622 R1	
		1 RING 381 873 R1-	
	471 267 R94	PACKAGE, HYD CYL SERVICE -UNIT C, E AND F- CONSISTS OF -	
		1 O-RING 252 483 R1	
		1 O-RING 352 216 R1	
		1 O-RING 380 910 R1	
		1 QUAD-RING 398 978 R1	
		2 RING 383 005 R1	
		1 SEAL 381 086 R1	
		2 WASHER 381 083 R2	
		1 WASHER 381 088 R1	
		1 WIPER 619 072 C91-	
	471 266 R95	PACKAGE, HYD CYL SERVICE -UNIT D- CONSISTS OF-	
		1 O-RING 252 483 R1	
		1 O-RING 347 801 R1	
		1 QUAD-RING 398 978 R1	
		1 O-RING 381 109 R1	
		1 O-RING 293 739 R1	
		2 RING 383 006 R91	
		1 SEAL 381 110 R1	
		2 WASHER 381 083 R2	
		1 WASHER 381 107 R1	
		1 WIPER 619 072 C91-	

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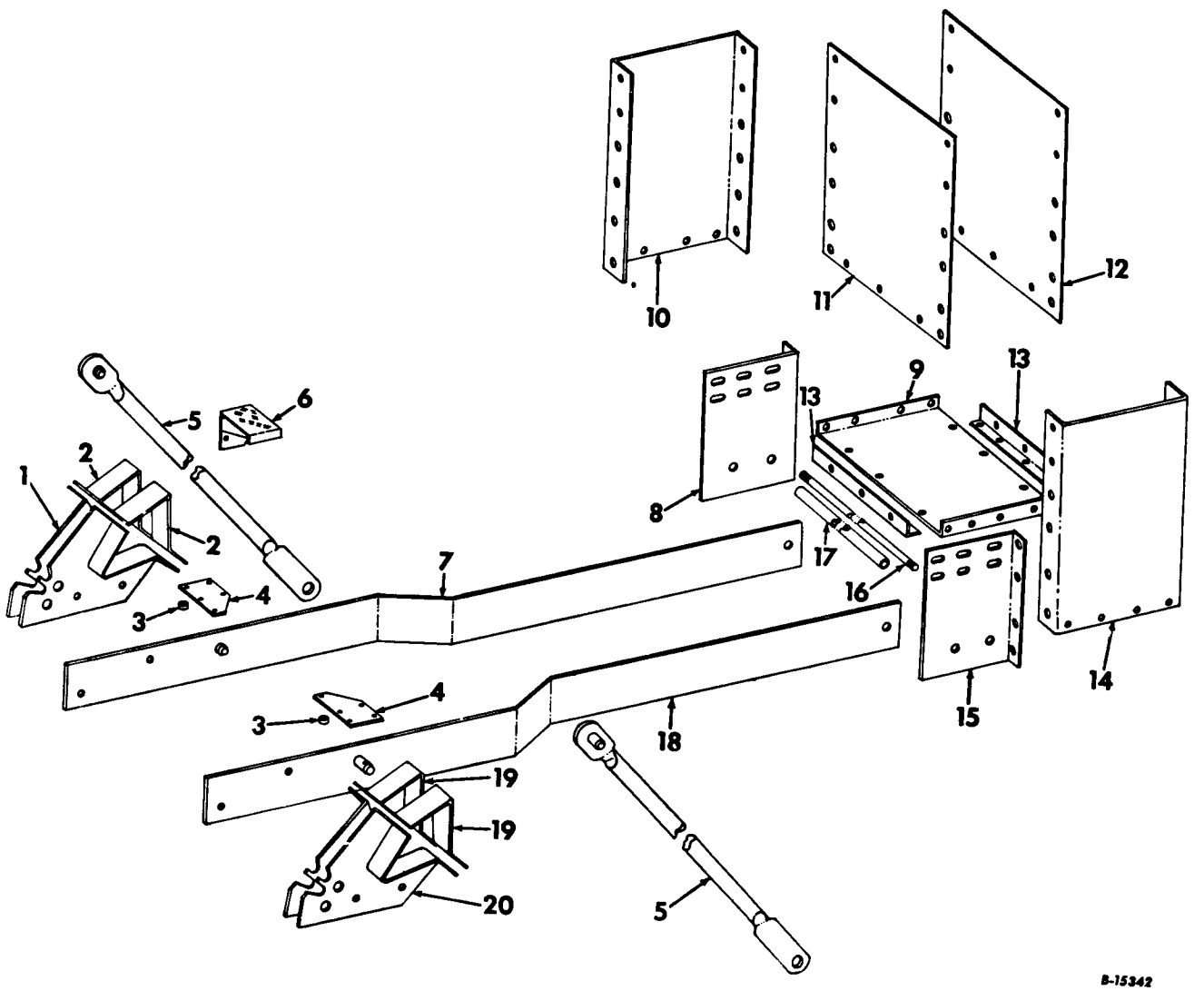
REF. NO.	PART NUMBER	DESCRIPTION	8KH-1

INDEPENDENT SUBFRAME W/WEIGHT BOX -FOR USE ON I-504, I-606, I-2504 & I-2606 TRACTOR-

3121 BACKHOE -12- SECTION D

REF. NO.	PART NUMBER	DESCRIPTION	8KH-1

INDEPENDENT SUBFRAME W/WEIGHT BOX -FOR USE ON I-504, I-606, I-2504 & I-2606 TRACTOR- -CONTINUED



1	479 028 R91	BRACKET ASSY, MOUNTING LH	
2	479 043 R1	BRACKET, AXLE MOUNTING LH -2-	
	220 088	NUT, 1-8 C-Z HEX. -4-	
	271 857	SCREW, 1-8 X 2-1/2 C-Z HEX-HD CAP -4-	
3	237 614 R1	SPACER, FENDER BRACKET -2-	
4	469 549 R1	BRACKET, FENDER -2-	
	180 174	SCREW, 1/2 X 1-1/8 C-Z HEX-HD CAP -4-	
5	469 181 R11	SUPPORT ASSY, MAIN FRAME -2-	
6	470 455 R11	STEP ASSY, TRACTOR TO BACKHOE	
	120 377	NUT, 3/8 C-Z HEX. -4-	
	180 120	SCREW, 3/8 X 3/4 C-Z HEX-HD CAP -4-	
	120 382	WASHER, 3/8 C-Z LOCK -4-	
	446 470	WASHER, 3/8 X 1-1/8 X 16 GA C-Z -4-	
7	479 026 R11	BAR ASSY, SUB FRAME LH	
	220 088	NUT, 1-8 C-Z HEX. -2-	
	137 303	PIN, 1/4 X 2-1/4 C-Z COT.	
	271 860	SCREW, 1-8 X 3-1/4 C-Z HEX-HD CAP -2-	
	551 183 R1	WASHER, 17/32 X 2-1/2 X 16 GA	
8	479 034 R1	PLATE, FRONT MOUNTING LH	
9	479 039 R1	CHANNEL, WEIGHT BOX BOTTOM	
10	479 037 R1	CHANNEL, WEIGHT BOX SIDE LH	

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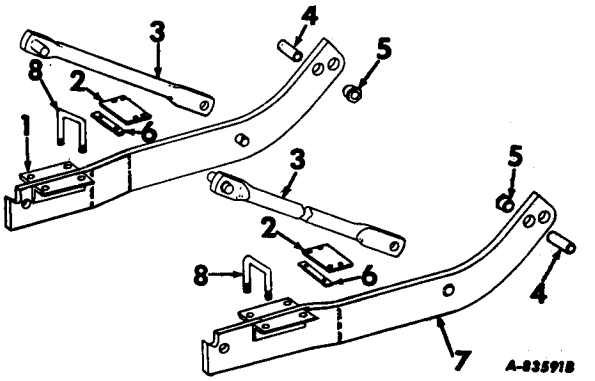
REVISION NO. 10

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		INDEPENDENT SUBFRAME W/WEIGHT BOX -FOR USE ON I-504, I-606, I-2504 & I-2606 TRACTOR-	-CONTINUED
11	479 033 R1	PLATE, WEIGHT BOX	
12	479 036 R1	PLATE, WEIGHT BOX FRONT	
13	479 040 R1	ANGLE, WEIGHT BOX -2-	
	17 448 R1	BOLT, 1/2 X 1-1/4 HEX-HD MACH -28-	
	17 473 R1	BOLT, 1/2 X 1-1/2 HEX-HD MACH -8-	
	102 637	NUT, 1/2 HEX. -36-	
	271 771	SCREW, 3/4-10 X 2 C-Z HEX-HD CAP -6-	
	271 772	SCREW, 3/4-10 X 2-1/4 C-Z HEX-HD CAP -2-	
	103 323	WASHER, 1/2 MED LOCK -36-	
	220 086	WASHER, 3/4 C-Z MED LOCK -8-	
	16 038 R1	WASHER, 17/32 X 1 X 11 GA -12-	
14	479 038 R1	CHANNEL, WEIGHT BOX SIDE RH	
15	479 035 R1	PLATE, FRONT MOUNTING RH	
	271 723	SCREW, 5/8-11 X 2 C-Z HEX-HD CAP -8-	
	121 574	WASHER, 5/8 C-Z MED LOCK -8-	
	131 016	WASHER, 21/32 X 1-5/16 X .095 C-Z -8-	
16	479 042 R1	SHAFT	
	220 095	NUT, 1-1/4-7 C-Z HEX. -2-	
17	479 041 R1	PIPE, FRONT MOUNTING SPACER	
18	479 027 R11	BAR ASSY, SUBFRAME RH	
	220 088	NUT, 1-8 C-Z HEX. -2-	
	137 303	PIN, 1/4 X 2-1/4 C-Z COT.	
	271 860	SCREW, 1-8 X 3-1/4 C-Z HEX-HD CAP -2-	
	551 183 R	WASHER, 17/32 X 2-1/2 X 16 GA	
19	479 044 R1	BRACKET, AXLE MOUNTING RH -2-	
	220 088	NUT, 1-8 C-Z HEX. -4-	
	271 857	SCREW, 1-8 X 2-1/2 C-Z HEX-HD CAP -4-	
20	479 029 R91	BRACKET ASSY, MOUNTING RH	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		SUBFRAME AND FENDER BRACKETS -INTERNATIONAL 424, 444, 2424 & 2444 TRACTORS WITH 2000 OR 2050 LOADER-	



1	481 616 R91	FRAME, LH -ORDER 492 786 R1 AND SHIM 492 785 R1-	
1	492 786 R1	FRAME, LH -WILL WORK FOR 481 616 R91-	
	271 609	BOLT, 3/4 X 1-3/4 HEX-HD MACH -2-	
	137 303	PIN, 1/4 X 2-1/4 C-Z COT.	
	138 561	WASHER, 3/4 INT-TOOTH LOCK -2-	
	551 183 R1	WASHER, 1-17/32 X 2-1/2 X 16 GA -AS REQUIRED-	
2	480 580 R1	BLOCK, FENDER SPACER -2-	
3	480 581 R92	BAR ASSY, TIE -2-	
4	474 612 R1	SPACER, -2-	
	474 613 R1	BOLT, 1-1/2-6 X 8-1/4 HEX-HD -2-	
	220 096	NUT, 1-1/2-6 HEX. -2-	
	131 052	WASHER, 1-1/2 C-Z MED LOCK -2-	
5	469 189 R1	CAM, SUBFRAME MOUNTING -2-	
6	492 785 R1	PLATE, SUB FRAME SHIM -2-	
7	481 617 R91	FRAME, RH -ORDER 492 787 R1 AND SHIM 492 785 R1-	
7	492 787 R1	FRAME, RH -WILL WORK FOR 481 617 R91-	
	271 609	BOLT, 3/4 X 1-3/4 HEX-HD MACH -2-	
	137 303	PIN, 1/4 X 2-1/4 C-Z COT.	
	138 561	WASHER, 3/4 INT-TOOTH LOCK -2-	
	551 183 R1	WASHER, 1-17/32 X 2-1/2 X 16 GA -AS REQUIRED-	
	540 736 R1	BAR, FENDER SPACER -2-	
8	481 621 R1	U-BOLT, SUBFRAME -2-	
	102 639	NUT, 5/8-11 HEX. -4-	
	103 325	WASHER, 5/8 MED LOCK -4-	

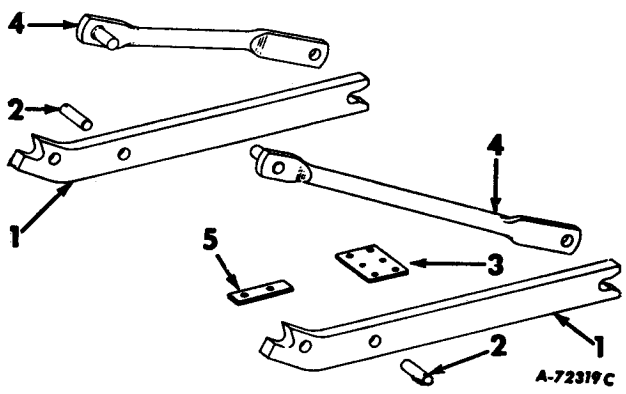
COMPLETING PACKAGE -FIELD APPLICATION- -SUBFRAME BOLTS & RELIEF VALVES- -NOTE-

474 612 R1	SPACER, LOADER SUBFRAME -2-	
474 613 R1	SCREW, 1-1/2-6 X 8-1/4 CAP -2-	
220 096	NUT, 1-1/2-6 C-Z HEX. -2-	
131 052	WASHER, 1-1/2 C-Z MED LOCK -2-	
383 796 R91	VALVE ASSY, RELIEF - 1600 PSI	
388 208 R92	VALVE ASSY, RELIEF - 2000 PSI	

NOTE -FOR INTERNATIONAL 504, 606, 2504 AND 2606 TRACTORS WITH 2000 LOADER-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME AND FENDER BRACKETS
-INTERNATIONAL 3414 AND 3444 TRACTORS-



1	471 265 R1		SUBFRAME -2-
2	469 195 R1		PIN, ANCHOR -2-
Q	1 436		PIN, 3/8 X 2-9/16 STD-HD DLD -2-
	177 923		PIN, 1/8 X 3/4 C-Z COT. -2-
3	393 824 R1		PLATE, RH LOWER FENDER BRACKET
	120 378		NUT, 1/2 C-Z HEX. -2 USED W/3444 TRACTORS-
	180 175		SCREW, 1/2-13 X 1-1/4 C-Z HEX-HD CAP -8 USED W/3414 TRACTORS- -10 USED W/3444 TRACTORS-
	120 384		WASHER, 1/2 C-Z MED LOCK
4	469 086 R11		LINK ASSY, TIE -2-
	193 244		PIN, 3/8 X 2-1/2 C-Z COT. -2- -IN TRACTOR FRAME-
5	490 945 R1		SUPPORT, FENDER RH -2- -USED W/3444 TRACTORS-

3121 BACKHOE -14- SECTION D

REF. NO. PART NUMBER DESCRIPTION BKH-1

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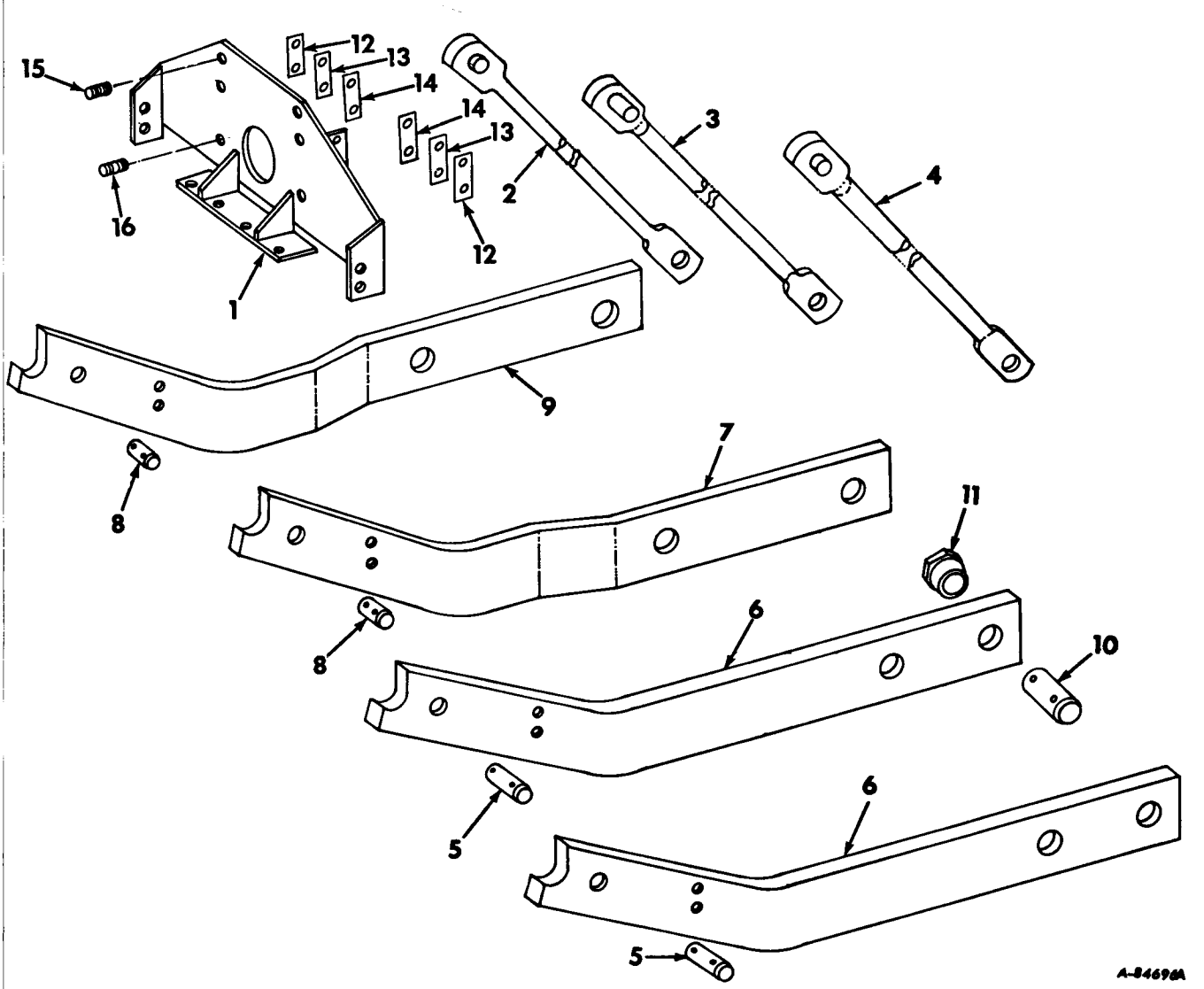
REVISION NO. 10

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME -FOR USE ON 500 CRAWLER TRACTOR W/3050 LOADER, 5-G2, 10 OR 11 BULLGRADER-



SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 500 CRAWLER TRACTOR W/3050 LOADER -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT A-

SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 500 CRAWLER TRACTOR W/5-G-2 BULLGRADER -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT B-

3121 BACKHOE -15- SECTION D

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME -FOR USE ON 500 CRAWLER TRACTOR -CONTINUED W/3050 LOADER, 5-G2, 10 OR 11 BULLGRADER-

SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 500 CRAWLER TRACTOR W/10 BULLGRADER -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT C-

SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 500 CRAWLER TRACTOR W/11 BULLGRADER -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT D-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		SUBFRAME -FOR USE ON 500 CRAWLER TRACTOR -CONTINUED W/3050 LOADER, 5-G2, 10 OR 11 BULLGRADER-	
1	482 016 R91	SECTION ASSY, SUBFRAME BRACKET	
	220 086	NUT, 3/4-10 C-Z HEX. -4-	
	271 774	SCREW, 3/4-10 X 2-3/4 C-Z HEX-HD CAP -4-	
	271 611	SCREW, 3/4-10 X 2 C-Z HEX-HD CAP -4-	
	131 017	WASHER, 13/16 X 1-1/2 X .108 C-Z -4-	
	131 046	WASHER, 3/4 C-Z MED LOCK -4-	
2	482 033 R91	SUPPORT ASSY, MAIN FRAME -2- -UNIT A-	
3	482 035 R91	SUPPORT ASSY, MAIN FRAME -2- -UNIT B-	
4	482 037 R91	SUPPORT ASSY, MAIN FRAME -2- -UNIT C AND D-	
5	482 040 R1	BAR, TIE LINK ANCHOR -2- -UNIT B-	
	20 341 R1	PIN, 1/4 X 2 C-Z COT. -4-	
6	482 041 R1	FRAME, SUB -2- -UNIT B, C AND D-	
7	482 015 R1	FRAME, SUB RH -UNIT A-	
8	482 039 R1	BAR, TIE -2- -UNIT A, C AND D-	
	137 268	PIN, 3/16 X 2-1/4 C-Z COT. -4-	
9	482 014 R1	FRAME, SUB LH -UNIT A-	
10	482 032 R1	BAR, SUBFRAME MOUNTING -4-	
	137 268	PIN, 3/16 X 2-1/4 C-Z COT. -8-	
11	469 189 R1	CAM, SUBFRAME MOUNTING -4-	
12	486 035 R1	SHIM, SUBFRAME BRACKET ASSY -AS REQUIRED-	
13	486 036 R1	STRIP, SUBFRAME BRACKET ASSY -AS REQUIRED-	
14	486 037 R1	STRIP, SUBFRAME BRACKET ASSY -4-	
15	51 971 D	STUD, SUBFRAME BRACKET -2-	
	214 442	NUT, 1/2-20 HEX. TYPE 4 -2-	
	120 384	WASHER, 1/2 C-Z MED LOCK -2-	
16	636 435 R1	STUD, SUBFRAME BRACKET -4-	
	274 468	NUT, 5/8-18 HEX. TYPE 4 -4-	

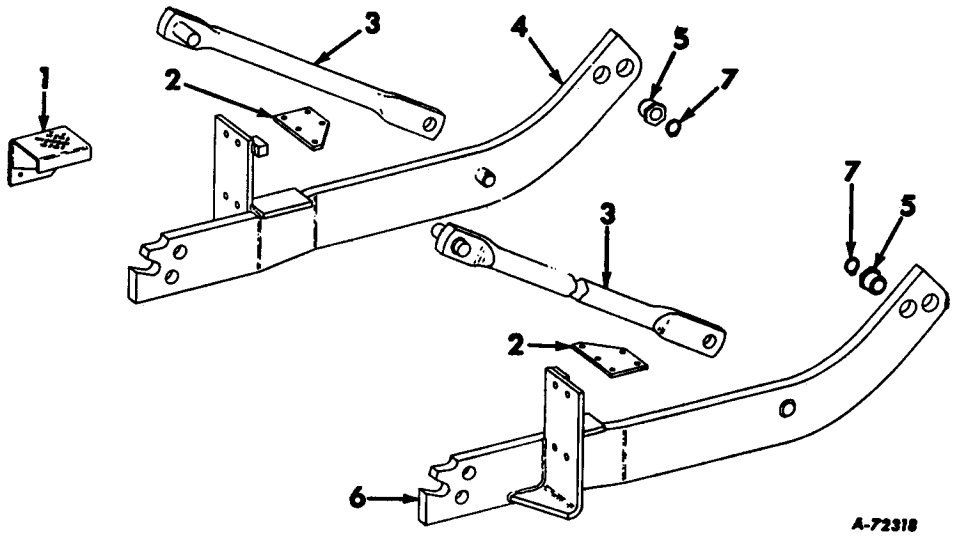
3121 BACKHOE -16- SECTION D

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 10

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME & FENDER BRACKETS -INTERNATIONAL 504, 606, 2504 AND 2606 TRACTORS-



1	470 455 R11		STEP ASSY, TRACTOR TO BACKHOE
	120 377		NUT, 3/8 C-Z HEX. -4-
	180 120		SCREW, 3/8 X 3/4 C-Z HEX-HD CAP -4-
	446 470		WASHER, 3/8 X 1-1/8 X 16 GA C-Z -4-
	120 382		WASHER, 3/8 C-Z LOCK -4-
2	469 549 R1		BRACKET, FENDER -2-
	237 614 R1		SPACER, FENDER BRACKET -2-
	180 174		SCREW, 1/2 X 1-1/8 C-Z HEX-HD CAP -4-
	120 378		NUT, 1/2 C-Z HEX. -4-
3	469 181 R11		SUPPORT ASSY, MAIN FRAME -2-
4	469 182 R11		SUBFRAME ASSY, LEFT
	124 589		NUT, 5/8-11 C-Z HEX.
	137 303		PIN, 1/4 X 2-1/4 C-Z COT.
	19 827 R1		SCREW, 5/8-11 X 8 C-Z HEX-HD CAP
	121 574		WASHER, 5/8 C-Z MED LOCK
	551 183 R1		WASHER, 1-17/32 X 2-1/2 X 16 GA
5	469 189 R1		CAM, SUBFRAME MOUNTING -2-
6	469 183 R11		SUBFRAME ASSY, RIGHT
	124 589		NUT, 5/8-11 C-Z HEX.
	137 303		PIN, 1/4 X 2-1/4 C-Z COT.
	19 827 R1		SCREW, 5/8-11 X 8 C-Z HEX-HD CAP
	121 574		WASHER, 5/8 C-Z MED LOCK
	551 183 R1		WASHER, 1-17/32 X 2-1/2 X 16 GA
7	468 283 R1		RING, EXT RETAINING -2-

3121 BACKHOE -17- SECTION D

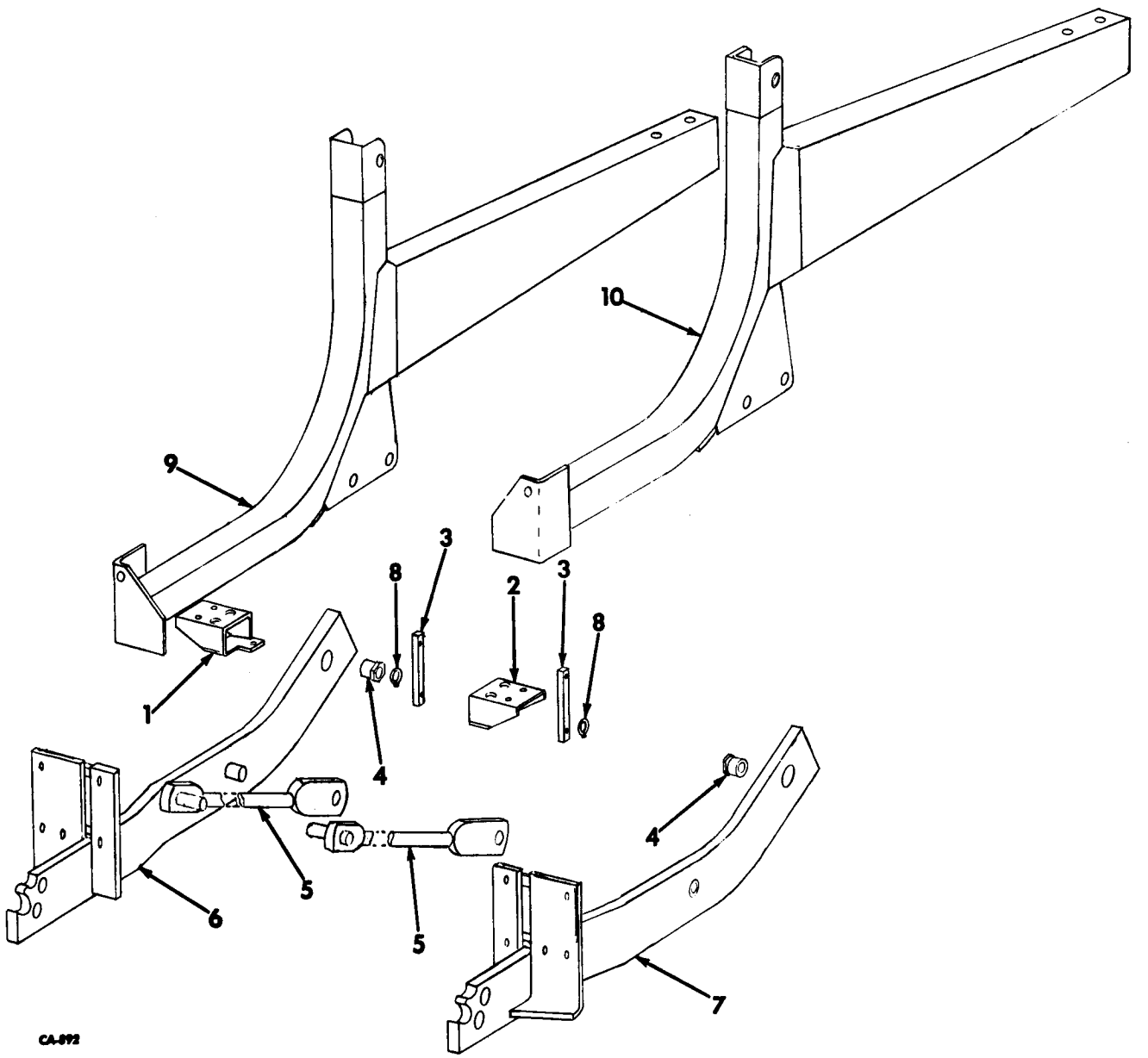
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME & FENDER BRACKETS -INTERNATIONAL -CONTINUED 504, 606, 2504 AND 2606 TRACTORS-

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 10

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME
-INTERNATIONAL 2544 TRACTOR-



1	491 779 R2	SPACER ASSY, FENDER LH	
2	491 780 R2	SPACER ASSY, FENDER RH	
	180 173	SCREW, 1/2-13 X 1 ZND HEX-HD CAP	-6-
	180 175	SCREW, 1/2-13 X 1-1/4 ZND HEX-HD CAP	-4-
	120 384	WASHER, 1/2 C-Z MED LOCK	-10-
	120 378	NUT, 1/2-13 C-Z HEX.	-4-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME -CONTINUED
-INTERNATIONAL 2544 TRACTOR-

3	491 778 R1	BAR, SUBFRAME MOUNTING	-2-
	19 995 R1	SCREW, 5/8-11 X 8-1/2 ZND HEX-HD CAP	-3-
	20 226 R1	SCREW, 5/8-11 X 9-1/2 HEX-HD CAP	
	121 574	WASHER, 5/8 C-Z MED LOCK	-4-
	23 047 R1	WASHER, 1-17/32 X 2-1/2 X 16 GA C-Z	-2 OR AS REQUIRED-
	124 589	NUT, 5/8-11 C-Z HEX.	-4-
	137 303	PIN, 1/4 X 2-1/4 COT.	-2-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		SUBFRAME -CONTINUED -INTERNATIONAL 2544 TRACTOR-	
4	469 189 R1	CAM, SUBFRAME MOUNTING -2-	
5	480 581 R92	BAR ASSY, TIE -2-	
6	491 770 R1	FRAME ASSY, SUB LH	
7	491 771 R1	FRAME ASSY, SUB RH	
8	468 283 R1	RING, EXTERNAL	
9	487 016 R4	SUBFRAME ASSY, LH -TRACTORS W/2000 LOADER-	
9	491 535 R2	SUBFRAME ASSY, LH -TRACTORS W/3000 LOADER-	
10	487 017 R4	SUBFRAME ASSY, RH -TRACTORS W/2000 LOADER-	
10	491 535 R2	SUBFRAME ASSY, RH -TRACTORS W/3000 LOADER-	

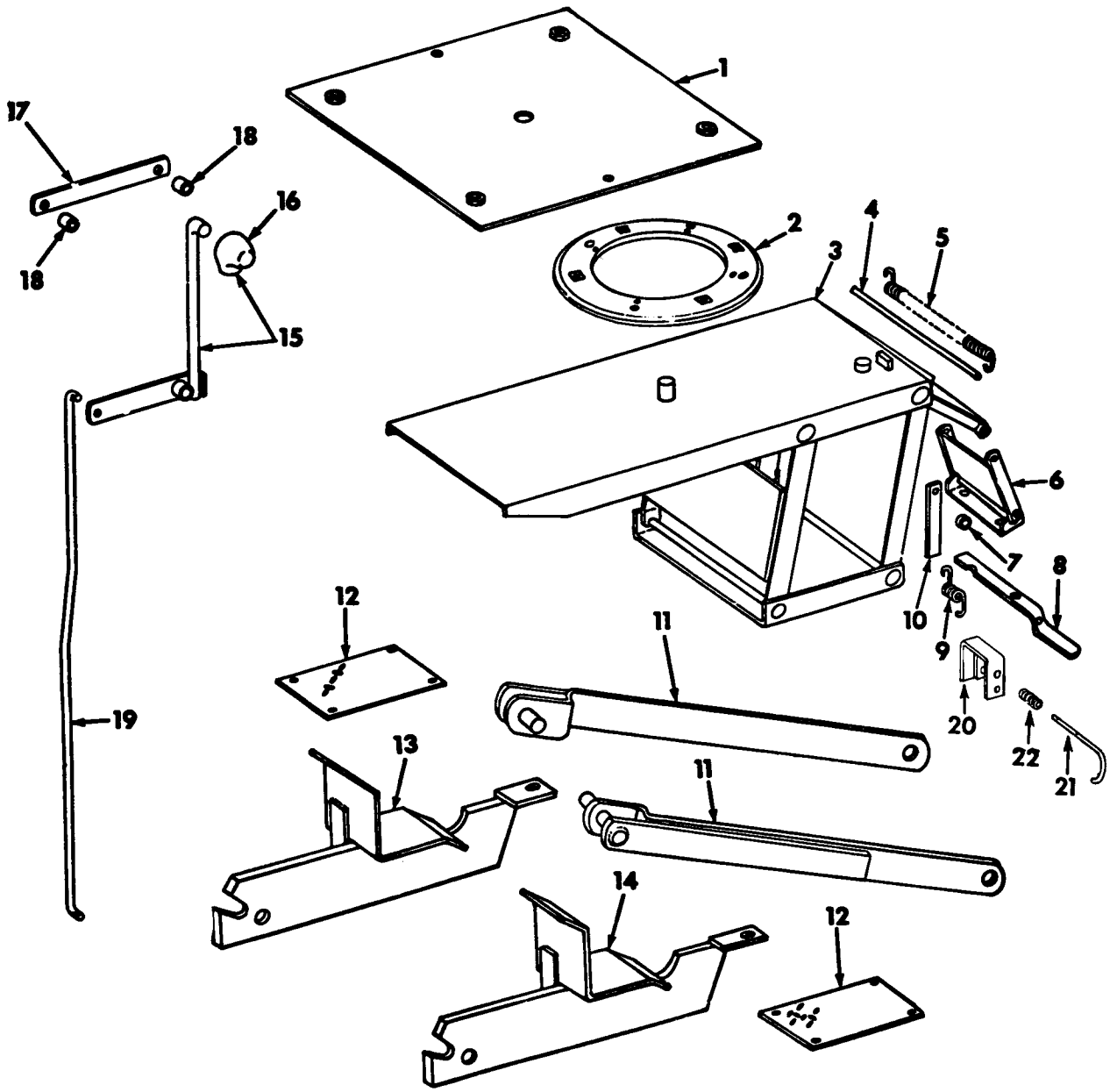
3121 BACKHOE -19- SECTION D

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 10

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME AND SEAT SUPPORT
-INTERNATIONAL 3514 & 3616 LOADER TRACTOR-



3121 BACKHOE -20- SECTION D

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME AND SEAT SUPPORT -CONTINUED
-INTERNATIONAL 3514 & 3616 LOADER TRACTOR-

PRINTED IN UNITED STATES OF AMERICA
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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		SUBFRAME AND SEAT SUPPORT -CONTINUED	
		-INTERNATIONAL 3514 & 3616 LOADER TRACTOR-	
1	480 721 R91	SWIVEL ASSY, SEAT	
	374 235 R1	SCREW, 5/16-18 X 1/2 12 PT HD CAP -4- -TRACTOR SEAT RAIL MOUNTING-	
2	476 838 R91	BEARING ASSY, LAZY SUSAN	
	436 750	SCREW, 10-32 X 1/2 PAN HD SLT MACH -4-	
	171 702	SCREW, 8-32 X 3/8 PAN HD SLT TAPPING -4-	
	121 841	WASHER, #8 LOCK -4-	
	120 217	WASHER, #10 LOCK -4-	
3	493 886 R1	BASE ASSY, SEAT -WILL WORK FOR 480 731 R91-	
	120 634	NUT, 5/16-18 HEX. -4-	
	107 763	PIN, 1/8 X 5/8 COT.	
	180 085	SCREW, 5/16-18 X 1-3/4 HEX-HD CAP -4-	
Q	1 505	WASHER, 13/32 X 1 X 16 GA	
4	480 703 R1	PIN, RETAINER	
	103 383	PIN, 1/8 X 1/2 COT. -2-	
Q	397	WASHER, 11/32 X 3/4 X 16 GA -4-	
5	481 633 R1	SPRING, SEAT RETAINER -FOR SERVICE ON 480 731 R91 & 480 725 R91-	
6	493 885 R1	BRACKET ASSY, MOUNTING LIFT -WILL WORK FOR 480 725 R91-	
	120 376	NUT, 5/16-18 C-Z HEX. -6-	
	180 077	SCREW, 5/16-18 X 3/4 C-Z HEX-HD CAP -6-	
	120 214	WASHER, 5/16 C-Z MED LOCK -6-	
Q	1 505	WASHER, 13/32 X 1 X 16 GA	
7	481 895 R1	WASHER, SEAT SAFETY STRAP	
8	476 840 R1	LATCH, LEVER	
9	476 962 R1	SPRING, LATCH	
10	481 894 R1	BAR, SEAT SAFETY STRAP	
11	480 715 R93	BAR ASSY, BACKHOE TIE -2-	
	193 244	PIN, 3/8 X 2-1/2 C-Z COT. -2- IN TRACTOR FRAME	
	551 183 R1	WASHER, 1-17/32 X 2-1/2 X 16 GA USE 1 WITH EACH TIE BAR ASSY OR AS REQD.	
12	481 076 R1	TREAD, FENDER -2-	
	171 754	SCREW, 1/4-20 X 1/2 C-Z PAN-HD SLT TAPPING -8-	
	128 157	GROMMET, RUBBER	
13	480 707 R93	BRACKET ASSY, SUBFRAME LH	
	271 611	SCREW, 3/4-10 X 2 HEX-HD CAP	
	38 506	WASHER, 3/4 C-Z EXT-TOOTH LOCK -5-	
14	480 708 R93	BRACKET ASSY, SUBFRAME RH	
	271 611	SCREW, 3/4-10 X 2 HEX-HD CAP	
	38 506	WASHER, 3/4 C-Z EXT-TOOTH LOCK -5-	
15	391 372 R91	LEVER ASSY, THROTTLE	
16	379 022 R2	KNOB	
17	391 376 R1	STRIP, QUADRANT	
	106 882	RIVET, 3/16 X 1/4 TRUSS-HD SOLID	
	17 469 R1	SCREW, 1/4 X 1-1/2 HEX-HD CAP -2-	
	16 559 R1	WASHER, 17/32 X 5/8 X .036 -2-	
	103 319	WASHER, 1/4 MED LOCK -2-	
	109 084	NUT, 1/4-20 HEX. -2-	
18	391 377 R1	SPACER, QUADRANT -2-	
19	391 378 R1	ROD, THROTTLE LEVER	
	120 393	WASHER, 11/32 X 11/16 X .065 -2-	
	103 384	PIN, 1/8 X 3/4 COT. -1-	
20	493 882 R1	BRACKET ASSY, LATCH	
Q	1 505	WASHER, 13/32 X 1 X 16 GA	
	107 763	PIN, 1/8 X 5/8 COILED SPRING	

3121 BACKHOE -21- SECTION D

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		SUBFRAME AND SEAT SUPPORT -CONTINUED	
		-INTERNATIONAL 3514 & 3616 LOADER TRACTOR-	
21	493 879 R1	ROD, LATCH	
	20 139 R1	PIN, 3/32 X 5/8 COILED SPRING	
	103 339	WASHER, 9/32 X 5/8 X .051	
22	46 A	SPRING	
	995 170 R2	REFLECTOR, FENDER RED	
	436 732	SCREW, 10-24 X 1/2 HEX-HD MACH -2-	
	120 217	WASHER, NO. 10 MED LOCK -2-	
	120 361	NUT, 10-24 HEX. -2-	
2	752 944 R1	PRODUCT GRAPHIC, GOVERNOR INSTRUCTIONS	

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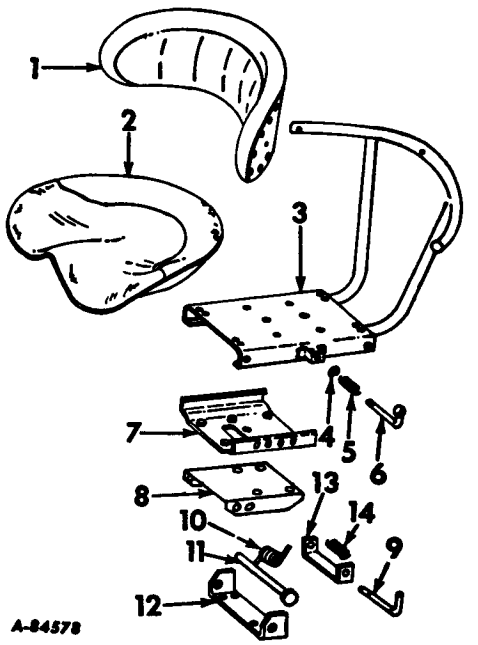
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SEAT AND SUPPORT



	469 119 R91	SEAT ASSY, BACKHOE PREMIER -CONSISTS OF REF. NOS 1 THROUGH 7-	
1	469 121 R91	BACKREST ASSY, PREMIER	
2	469 122 R91	CUSHION ASSY, PREMIER SEAT	
	120 368	NUT, 5/16-24 C-Z HEX. -4-	
	120 214	WASHER, 5/16 C-Z LOCK -4-	
3	469 120 R91	FRAME ASSY, HI-BACK PREMIER	
9	413 946	NUT, 1/4 STOVER HEX LOCK - CAD PLTD.	
	155 338	SCREW, 1/4 X 1/2 RD HD CROSS RECESS MACH C-Z	
	155 358	SCREW, 1/4 X 1 RD HD CROSS RECESS MACH C-Z -3-	
4	104 977 R1	RING , SLIDE HANDLE RETAINING	
5	469 125 R1	SPRING, SLIDE ADJUSTING PLUNGER	
6	469 124 R11	PLUNGER W/KNOB ASSY, SLIDE ADJUSTING	
	103 340	WASHER, 11/32 X 11/16 X 16 GA. FLAT	
7	469 123 R11	SLIDE ASSY, LOWER	
	180 075	SCREW, 5/16-18 X 5/8 C-Z HEX-HD CAP -4-	
	120 214	WASHER, 5/16 C-Z MED LOCK -4-	
8	476 905 R2	SUPPORT, SEAT -ALL EXCEPT 500 C CRAWLER TRACTOR-	
8	549 967 R1	SUPPORT ASSY, SEAT -FOR 500 C CRAWLER TRACTOR-	
	180 077	SCREW, 5/16-18 X 3/4 ZND HEX-HD CAP -4-	
	138 538	WASHER, 5/16 C-Z INT-TOOTH LOCK -4-	
9	484 482 R1	ROD, SEAT LATCH HANDLE	
	103 384	PIN, 1/8 X 3/4 COT.	
	120 394	WASHER, 13/32 X 13/16 X .051	

3121 BACKHOE -22- SECTION D

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SEAT AND SUPPORT -CONTINUED

10	15 068 EB	SPRING, SEAT	
11	625 326 R1	PIN, 3/8 X 6 STD-HD	
	120 394	WASHER, 13/32 X 13/16 X .051	
	103 384	PIN, 1/8 X 3/4 COT.	
12	477 567 R1	BRACKET, SEAT	
	120 376	NUT, 5/16-18 C-Z HEX. -4-	
	180 081	SCREW, 5/16-18 X 1-1/4 C-Z HEX-HD CAP -4-	
	120 214	WASHER, 5/16 C-Z MED LOCK -4-	
13	484 481 R1	BRACKET, SEAT LATCH	
	120 375	NUT, 1/4-20 C-Z HEX -2-	
	453 049	SCREW, 1/4-20 X 3/4 PAN-HD SLT -2-	
	120 380	WASHER, 1/4 C-Z MED LOCK -2-	
14	359 109 R2	SPRING	

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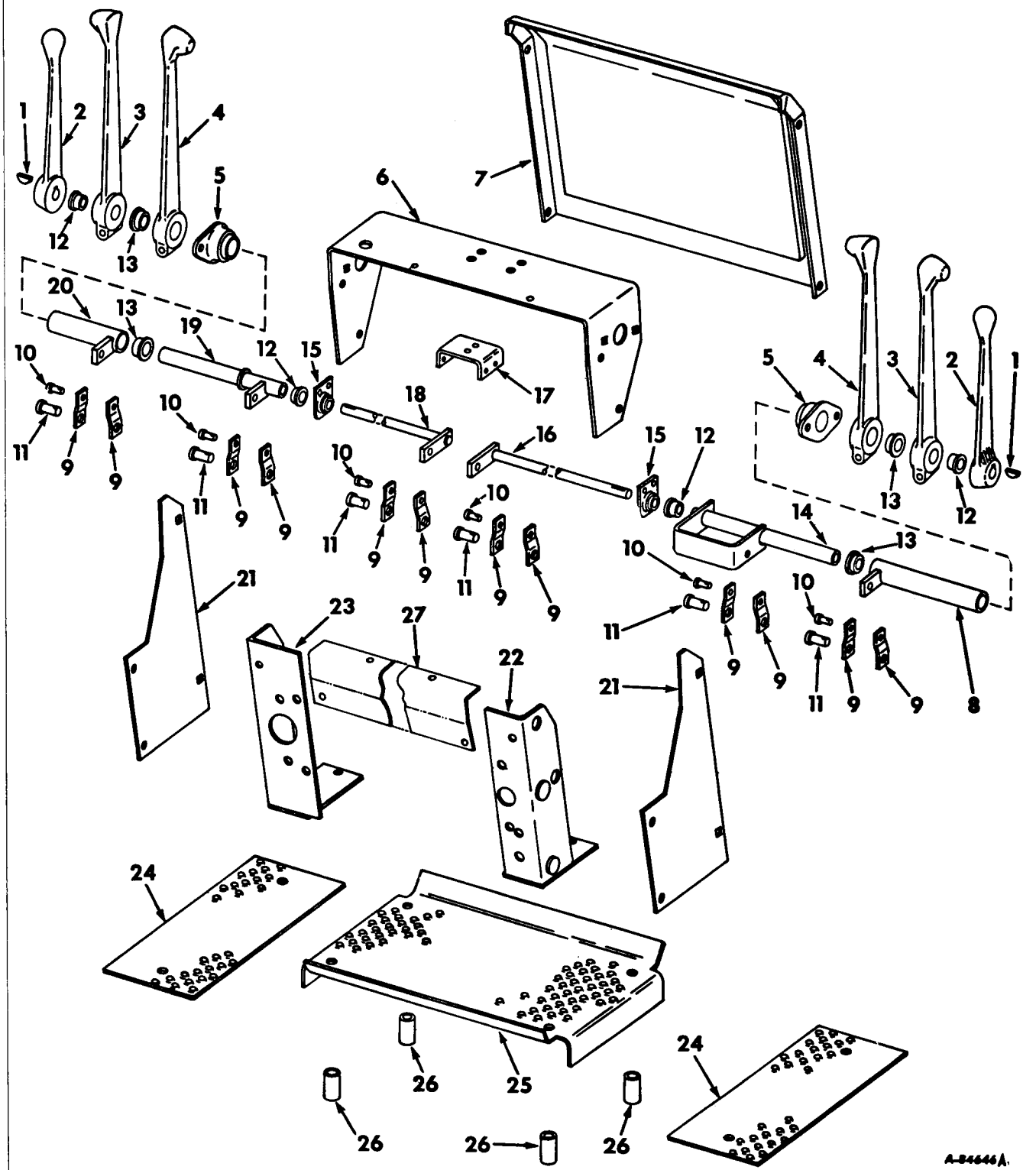
REVISION NO. 10

REF. NO.	PART NUMBER	DESCRIPTION

HYDRAULIC CONTROLS



-23- SECTION D
3121 BACKHOE
BKH-1

REF. NO.	PART NUMBER	DESCRIPTION

HYDRAULIC CONTROLS -CONTINUED

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REVISION NO. 10

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONTROLS -CONTINUED	
1	106 751	KEY, 3/16 X 3/4 WOODRUFF -2-	
2	477 547 R1	HANDLE, STABILIZER CONTROL -2-	
	431 662	SCREW, 3/8-16 X 3/4 C-Z HEX-SOC-HD -2-	
3	481 678 R1	HANDLE, CROWD & SWING CONTROL -2-	
	180 132	SCREW, 3/8-16 X 2-1/4 ZND HEX-HD CAP -2-	
	120 374	NUT, 3/8-16 C-Z SQ -2-	
4	481 666 R1	HANDLE, BUCKET & LIFT CONTROL -2-	
	180 132	SCREW, 3/8-16 X 2-1/4 ZND HEX-HD CAP -2-	
	120 374	NUT, 3/8-16 C-Z SQ -2-	
5	608 879 R91	BEARING ASSY -2-	
	17 351 R1	BOLT, 3/8-16 X 1 C-Z CGE-HD -4-	
	120 377	NUT, 3/8-16 C-Z HEX. -4-	
	120 382	WASHER, 3/8 C-Z MED LOCK -4-	
6	481 663 R1	SUPPORT, SEAT	
	180 173	SCREW, 1/2-13 X 1 C-Z HEX-HD CAP -4-	
	120 384	WASHER, 1/2 C-Z MED LOCK -4-	
7	481 686 R11	SHIELD ASSY, HEAT	
8	481 667 R91	SHAFT ASSY, BUCKET CONTROL	
9	481 684 R1	LINK, CONTROL VALVE -12-	
10 B	92 1/2	PIN, 3/8 X 7/8 STD-HD -6-	
	12 235 R1	PIN, 1/8 C 5/8 C-Z COT. -6-	
11 Q	1 332	PIN, 1/2 X 1-1/8 STD-HD -6-	
	108 632	PIN, 3/16 X 7/8 COT. -6-	
12	307 920 R1	BEARING -4-	
13	477 554 R1	BEARING, CENTER CONTROL -4-	
14	481 672 R92	SHAFT ASSY, SWING CONTROL	
15	481 683 R91	BEARING ASSY, SELF-ALIGNING -2-	
	120 375	NUT, 1/4-20 C-Z HEX. -4-	
	180 020	SCREW, 1/4-20 X 3/4 C-Z HEX-HD CAP -4-	
	120 380	WASHER, 1/4 C-Z MED LOCK -4-	
16	481 680 R91	SHAFT ASSY, RH STABILIZER CONTROL	
17	481 664 R1	BRACKET, BEARING SUPPORT	
18	481 679 R91	SHAFT ASSY, LH STABILIZER CONTROL	
19	481 675 R91	SHAFT ASSY, CROWD CONTROL	
20	481 670 R91	SHAFT ASSY, LIFT CONTROL	
21	481 685 R1	SHROUD, CONTROL SIDE -2-	
	180 073	SCREW, 5/16-18 X 1/2 C-Z HEX-HD CAP -4-	
	459 063 R1	RETAINER, 5/16 SPEED GRIP NUT -4-	
22	481 658 R93	BRACKET ASSY, VALVE SUPPORT LH	
	120 377	NUT, 3/8-16 C-Z HEX. -2-	
	180 124	SCREW, 3/8-16 X 1-1/4 C-Z HEX-HD CAP -2-	
	120 382	WASHER, 3/8 C-Z MED LOCK -2-	
23	481 659 R92	BRACKET ASSY, VALVE SUPPORT RH	
	120 377	NUT, 3/8-16 C-Z HEX. -2-	
	180 124	SCREW, 3/8-16 X 1-1/4 C-Z HEX-HD CAP -2-	
	120 382	WASHER, 3/8 C-Z MED LOCK -2-	
24	481 691 R1	STRIP, SIDE FLOOR PLATE -2-	
	120 377	NUT, 3/8-16 C-Z HEX. -4-	
	18 494 R1	SCREW, 3/8-16 X 1 C-Z HEX-HD CAP -4-	
	120 382	WASHER, 3/8 C-Z MED LOCK -4-	

3121 BACKHOE -24- SECTION D

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONTROLS -CONTINUED	
25	481 687 R2	COVER, FLOOR	
	120 377	NUT, 3/8-16 C-Z HEX. -4-	
	180 120	SCREW, 3/8-16 X 3/4 C-Z HEX-HD CAP -4-	
	180 137	SCREW, 3/8-16 X 2-3/4 C-Z HEX-HD CAP -4-	
	120 382	WASHER, 3/8 MED LOCK -4-	
26	615 860 R1	SPACER, .406 X .875 X 1.781 -4-	
27	484 296 R11	SHIELD ASSY, CONTROL STAND REAR HEAT	
	172 427	SCREW, 1/4-20 X 1/2 C-Z HEX-HD CAP -4-	

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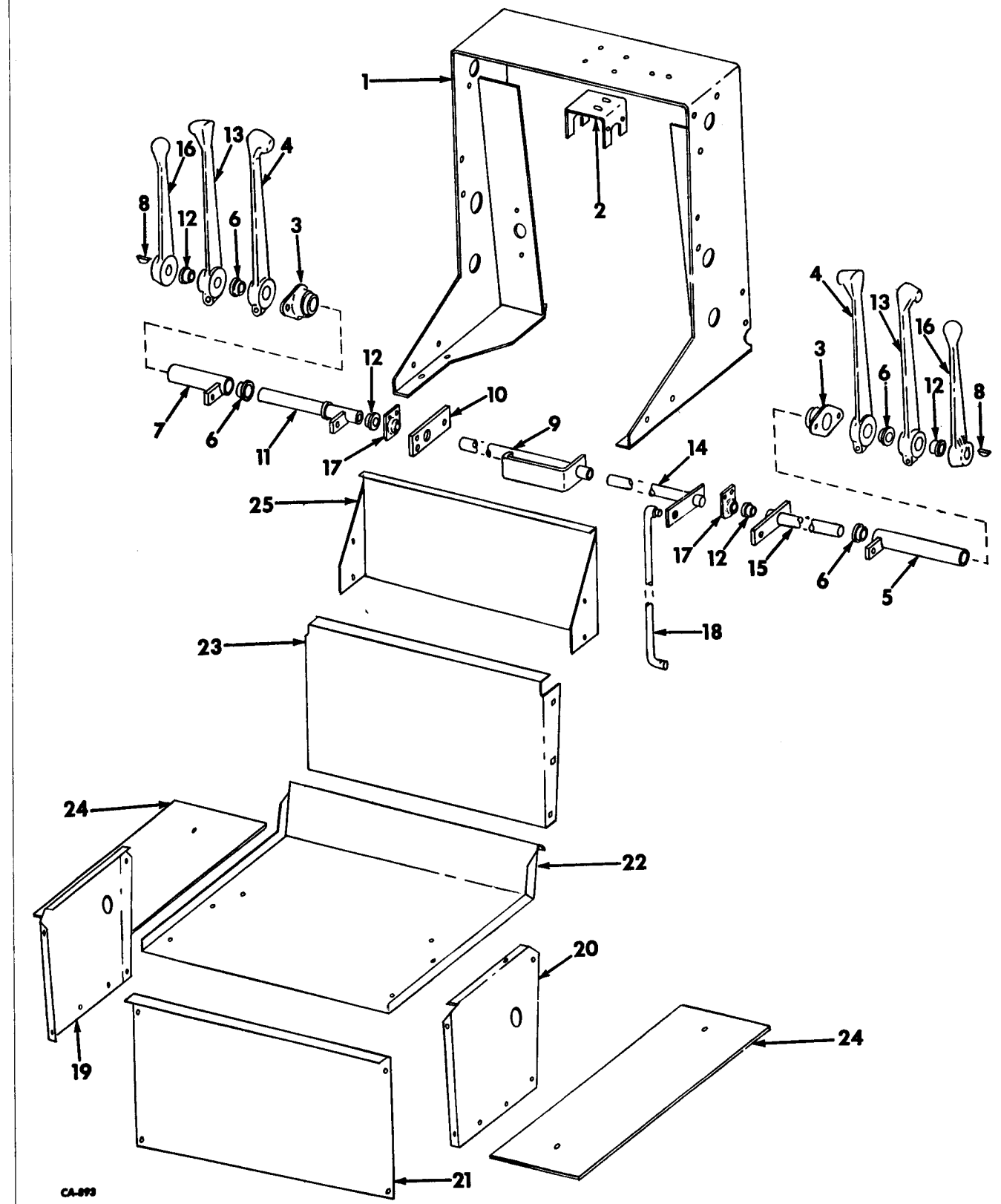
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONTROLS
-500 C CRAWLER TRACTOR-



3121 BACKHOE -25- SECTION D

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONTROLS -CONTINUED
-500 C CRAWLER TRACTOR-

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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONTROLS -CONTINUED	
		-500 C CRAWLER TRACTOR-	
1	492 582 R1	BRACKET ASSY	
	180 124	SCREW, 3/8-16 X 1-1/4 ZND HEX-HD CAP -4-	
	138 542	WASHER, 3/8 C-Z INT TOOTH -4-	
	120 377	NUT, 3/8-16 C-Z HEX. -4-	
2	481 664 R1	BRACKET, BRG SUPPORT	
3	608 879 R91	BEARING ASSY -2-	
	17 351 R1	BOLT, 3/8 X 1 C-Z SQ-NK CRG -4-	
	138 542	WASHER, 3/8 C-Z INT TOOTH LOCK -4-	
	120 377	NUT, 3/8-16 C-Z HEX. -4-	
4	481 666 R1	HANDLE, BUCKET & LEFT CONTROL -2-	
	180 128	SCREW, 3/8-16 X 1-3/4 ZND HEX-HD CAP -2-	
5	481 667 R91	SHAFT ASSY, BUCKET CONTROL	
6	477 554 R1	BEARING, CENTER CONTROL -4-	
7	481 670 R91	SHAFT ASSY, LIFT CONTROL	
8	106 751	KEY, 3/4-16 X 3/4 WOODRUFF -2-	
9	492 585 R1	SHAFT ASSY, SWING CONTROL	
10	492 587 R1	PLATE, SWING SUPPORT	
	180 079	SCREW, 5/16-18 X 1 ZND HEX-HD CAP -2-	
	138 538	WASHER, 5/16 C-Z INT TOOTH LOCK -2-	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
11	481 675 R91	SHAFT ASSY, CROWD CONTROL	
12	307 920 R1	BEARING -2-	
13	481 678 R1	HANDLE, CROWD & SWING CONTROL -2-	
	180 128	SCREW, 3/8-16 X 1-3/4 ZND HEX-HD CAP -2-	
14	492 589 R1	SHAFT ASSY, STABILIZER CONTROL RH	
15	492 588 R1	SHAFT ASSY, STABILIZER CONTROL LH	
16	477 547 R1	HANDLE, STABILIZER CONTROL -2-	
	431 662	SCREW, 3/8-16 X 3/4 ZND HEX-SOC-HD CUP-PT SET -2-	
17	481 683 R91	BEARING ASSY, SELF ALIGNING -2-	
	180 020	SCREW, 1/4-20 X 3/4 ZND HEX-HD CAP -4-	
	120 423	WASHER, 1/4 C-Z INT TOOTH LOCK -4-	
	120 375	NUT, 1/4-20 C-Z HEX. -4-	
18	492 590 R1	LINK, CONTROL VALVE -6-	
	103 343	WASHER, 17/32 X 1-1/16X 13 GA -6-	
	103 373	PIN, 3/32 X 3/4 COT. -12-	
	103 341	WASHER, 13/32 X 13/16 X 16 GA -6-	
19	492 591 R1	SHEET ASSY, SIDE LH	
20	492 592 R1	SHEET ASSY, RH	
	180 126	SCREW, 3/8-16 X 1-1/4 ZND HEX-HD CAP -6-	
	138 542	WASHER, 3/8 C-Z INT TOOTH LOCK -6-	
	120 377	NUT, 3/8-16 C-Z HEX. -6-	
	180 077	SCREW, 5/16-18 X 3/4 ZND HEX-HD CAP -6-	
	180 075	SCREW, 5/16-18 X 5/8 ZND HEX-HD CAP -12-	
	115 548	WASHER, 5/16 C-Z MED SPRING LOCK -12-	
21	492 595 R1	SHEET, VALVE COVER	
22	492 596 R1	SHEET, FLOOR	
	180 120	SCREW, 3/8-16 X 3/4 ZND HEX-HD CAP -6-	
	138 542	WASHER, 3/8 C-Z INT TOOTH LOCK -6-	
	120 377	NUT, 3/8-16 C-Z HEX. -6-	

3121 BACKHOE -26- SECTION D

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONTROLS -CONTINUED	
		-500 C CRAWLER TRACTOR-	
23	492 597 R1	SHEET, COVER	
	483 360 R91	NUT, CAGE -6-	
24	492 598 R1	BAR, SIDE FLOOR PLATE -2-	
	120 377	NUT, 3/8-16 C-Z HEX. -4-	
	178 081	PLUG, 1-3/8 BUTTON -2-	
	432 420	PLUG, 1-5/8 BUTTON -4-	
25	542 910 R1	SHEET ASSY, REAR COVER	

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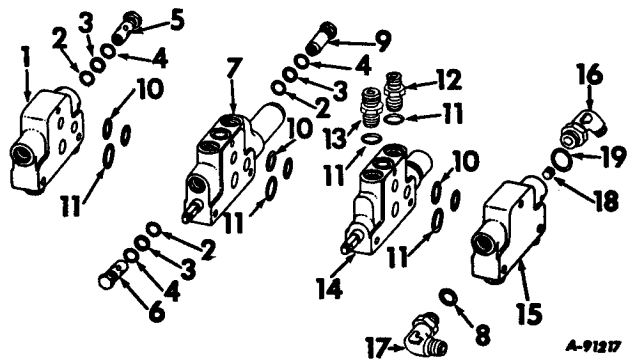
REVISION NO. 10

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC LOADER VALVE BANK



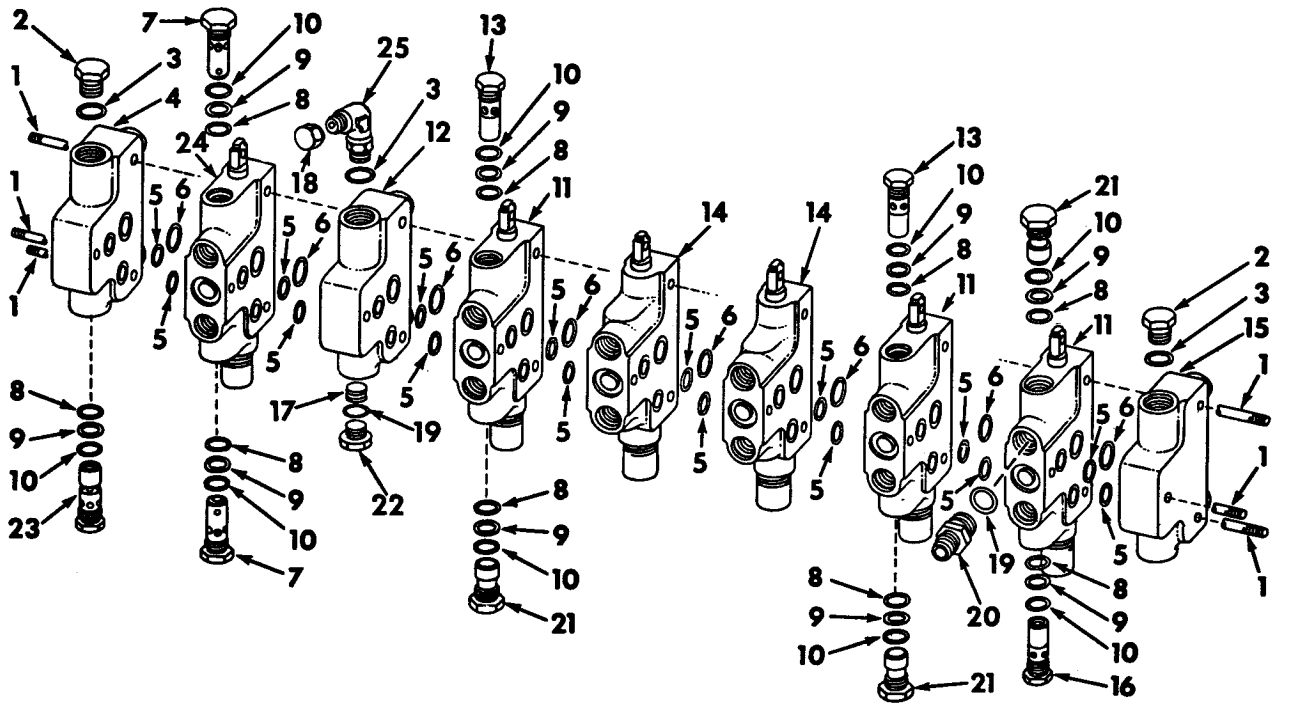
1	392 968 R2	COVER, LH SIDE END -REPLACES 391 217 R1-	
	20 210 R1	SCREW, 3/8-16 X 8-7/8 HEX-HD -3-	
	102 635	NUT, 3/8-16 HEX. -3-	
	527 476 R1	WASHER, 3/8 MED LOCK -6-	
2	383 219 R1	O-RING, 15/16 X 1-1/8 X 3/32 -3-	
3	378 985 R2	WASHER, BACKUP -3-	
4	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32 -3-	
5	388 208 R93	VALVE ASSY, PILOT OPERATED RELIEF -2000 PSI- -FOR 3514 LOADER TRACTORS- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF PILOT RELIEF VALVE-	
5	396 729 R92	VALVE ASSY, PILOT OPERATED RELIEF -2250 PSI- -FOR 3616 LOADER TRACTORS- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF PILOT RELIEF VALVE-	
6	382 479 R91	VALVE ASSY, CUSHION RELIEF -2500 PSI-	
7	383 269 R94	VALVE ASSY, HYDRAULIC CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF FOUR POSITION SPRING CENTERED HYDRAULIC CONTROL VALVE-	
8	297 459 R1	O-RING, 1-3/64 X 1-9/32 X 7/64	
9	378 899 R1	PLUG, RELIEF VALVE CHAMBER	
10	381 884 R1	O-RING, 1 X 1-3/16 X 3/32 -6-	
11	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32 -5-	
12	397 699 R1	UNION ASSY, ORIFICE	
13	397 702 R1	UNION ASSY, ORIFICE	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC LOADER VALVE BANK -CONTINUED

14	383 271 R94	VALVE ASSY, HYDRAULIC CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED HYDRAULIC CONTROL VALVE-	
14	394 705 R94	VALVE ASSY, HYDRAULIC CONTROL -FOR 3514 & 3616 TRACTORS W/POWER BEYOND- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CONTROL VALVE-	
15	392 970 R1	COVER, RIGHT SIDE END -REPLACES 391 216 R1-	
16	9 410 981	ELBOW, 1-5/16-12 C-Z 37 DEG HYD FLARED TUBE 90 DEG	
17	9 410 980	ELBOW, 1-3/16-12 C-Z 37 DEG HYD FLARED TUBE 90 DEG	
18	444 697	PLUG, 3/8-18 AUTOMOTIVE HEX-SOC-HD PIPE	
19	296 247 R1	O-RING, 1 OD TUBING	

HYDRAULIC CONTROL VALVES

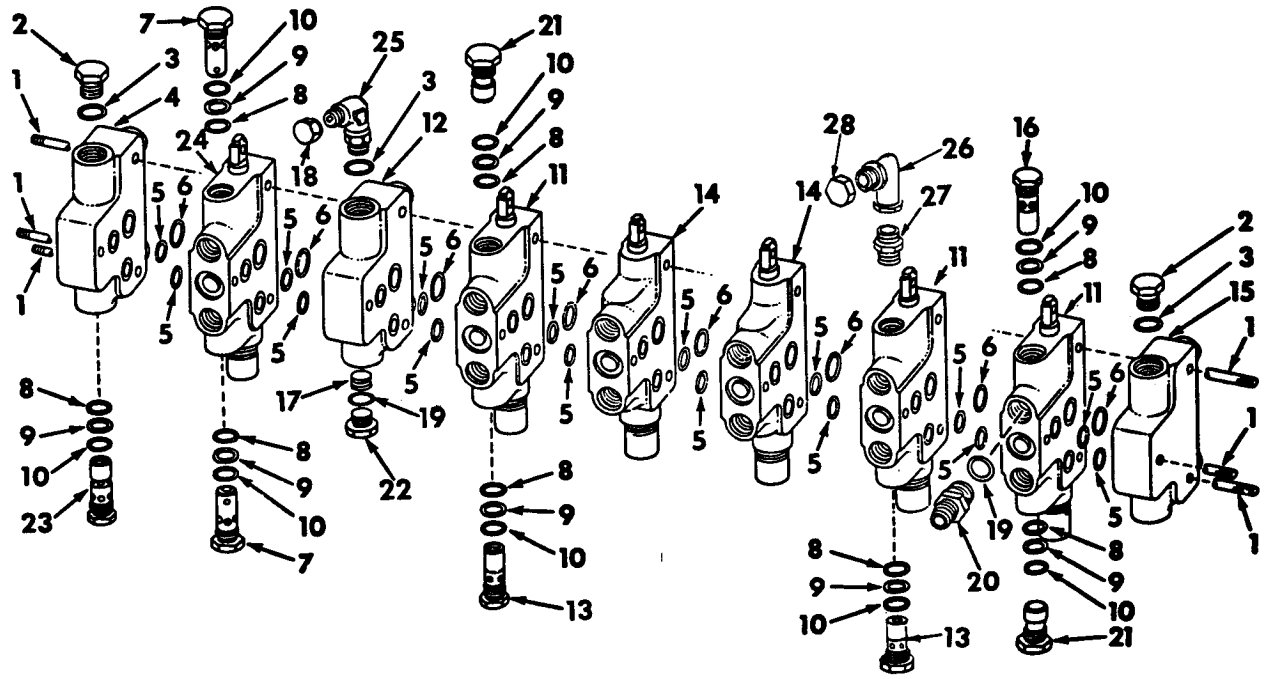


REF. NO.	PART NUMBER	DESCRIPTION
1	392 971 R1	ROD, TIE -3-
	102 635	NUT, 3/8-16 HEX. -6-
	527 476 R1	WASHER, 3/8 LOCK -6-
2	9 410 362	PLUG, 1-3/16 C-Z STR THD O-RING BOSS FOR 7/8 TUBE -2- -OUTLET VALVE COVER - LARGE-
3	297 459 R1	O-RING, 1-3/64 X 1-9/32 X 7/64 -3-
4	392 968 R2	COVER, LEFT SIDE END
5	381 884 R1	O-RING, 1 X 1-3/16 X 3/32 -16- -VALVE OUTLET COVER-
6	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32 -8- -VALVE OUTLET COVER-
7	387 229 R91	VALVE ASSY, ANTI-CAVITATION -2-
8	383 219 R1	O-RING, 15/16 X 1-1/8 X 3/32 -9- -PILOT OPERATED RELIEF VALVE-
9	378 985 R2	WASHER, PILOT OPERATED RELIEF VALVE BACKUP -9-
10	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32 -9- -PILOT OPERATED RELIEF VALVE-
11	394 705 R94	VALVE ASSY, HYD OPEN CENTER CONTROL -3- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-
12	392 969 R2	COVER, CENTER
13	382 479 R91	VALVE ASSY, CUSHION RELIEF- 2500 P.S.I. -2-
14	383 271 R94	VALVE ASSY, HYD OPEN CENTER CONTROL -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-
15	392 970 R1	COVER, RIGHT SIDE END

HYDRAULIC CONTROL VALVES -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
16	382 928 R91	VALVE ASSY, CUSHION RELIEF -2000 P.S.I.-
17	444 697	PLUG, 3/8-18 AUTO HEX-SOC HD PIPE
18	9 403 375	CAP, 1-3/16-12 37 DEG HYD FLARED TUBE
19	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -2-
20	397 699 R1	UNION ASSY, ORIFICE
21	378 899 R1	PLUG, RELIEF VALVE CHAMBER -3-
22	9 410 360	PLUG, 7/8-14 C-Z STR-THD O-RING BOSS - FOR 5/8 TUBE OUTLET VALVE COVER - SMALL-
23	388 208 R93	VALVE ASSY, PILOT OPERATED RELIEF -2000 P.S.I.- -NOT FOR USE W/3616 TRACTORS- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF PILOT RELIEF VALVE-
23	396 729 R92	VALVE ASSY, PILOT RELIEF -2250 P.S.I. -FOR 3616 TRACTORS- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF PILOT RELIEF VALVE-
24	383 270 R93	VALVE ASSY, HYD OPEN CENTER CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-
25	9 410 980	ELBOW, 1-3/16-12 C-Z 37 DEG HYDRAULIC FLARED TUBE

HYDRAULIC CONTROL VALVES
-FOR 500C CRAWLER TRACTORS-



CA-1076

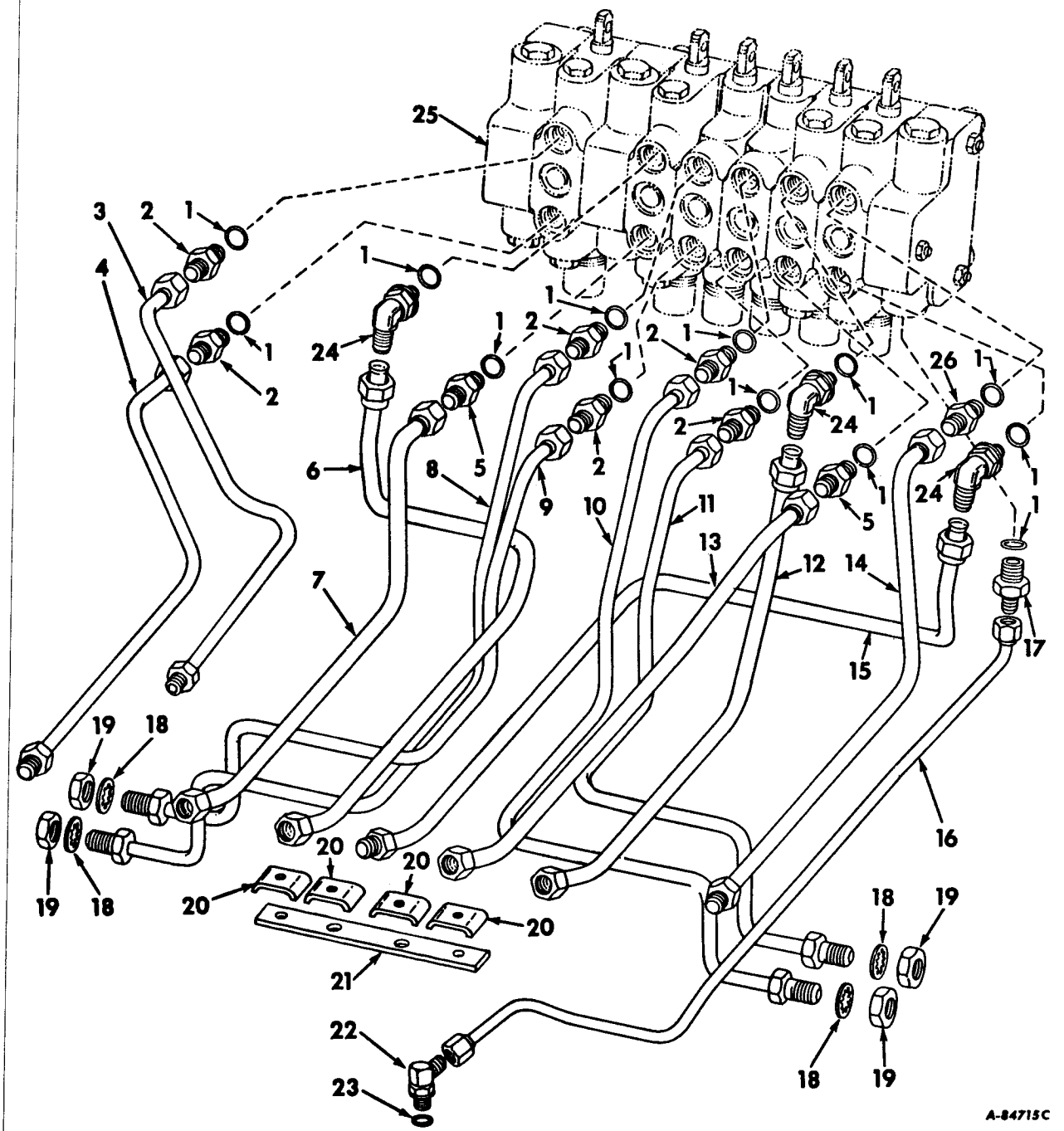
REF. NO.	PART NUMBER	DESCRIPTION
1	392 971 R1	ROD, TIE -3-
	102 635	NUT, 3/8-16 HEX. -6-
	527 476 R1	WASHER -6-
2	9 410 362	PLUG, 1-3/16 C-Z STR-THD O-RING BOSS OUTLET VALVE COVER - LARGE -2-
3	297 459 R1	O-RING, 1-3/64 X 1-9/32 X 7/64 -3-
4	392 968 R2	COVER, LEFT SIDE END
5	381 884 R1	O-RING, 1 X 1-3/16 X 3/32 -16- VALVE OUTLET COVER
6	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32 -8- VALVE OUTLET COVER
7	387 229 R91	VALVE ASSY, ANTI-CAVITATION -2-
8	383 219 R1	O-RING, 15/16 X 1-1/8 X 3/32 -10- PILOT OPERATED RELIEF VALVE
9	378 985 R2	WASHER, PILOT OPERATED RELIEF VALVE BACKUP -10-
10	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32 -10- PILOT OPERATED RELIEF VALVE
11	394 705 R95	VALVE ASSY, HYD OPEN CENTER CONTROL -3- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-
12	395 006 R2	COVER, CENTER
13	382 479 R91	VALVE ASSY, CUSHION RELIEF- 2500 P.S.I. -2-

HYDRAULIC CONTROL VALVES -CONTINUED
-FOR 500C CRAWLER TRACTORS-

REF. NO.	PART NUMBER	DESCRIPTION
14	383 271 R95	VALVE ASSY, HYD OPEN CENTER CONTROL -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-
15	392 970 R1	COVER, RIGHT SIDE END
16	382 928 R91	VALVE ASSY, CUSHION RELIEF-2000 PSI
17	444 697	PLUG, 3/8-18 AUTO
18	9 403 375	CAP, 1-3/16-12 37 DEG HYD FLARED TUBE
19	364 885 R1	O-RING, 3/4 X 15/16 X 3/32
20	397 699 R1	UNION ASSY, ORIFICE
21	378 899 R1	PLUG, RELIEF VALVE CHAMBER -2-
22	9 410 360	PLUG, 7/8-14 C-Z STR-THD O-RING BOSS
23	388 208 R93	VALVE ASSY, PILOT OPERATED RELIEF -2000 P.S.I.- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF PILOT RELIEF VALVE -
24	383 270 R94	VALVE ASSY, HYD OPEN CENTER CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-
25	9 410 980	ELBOW, 1-3/16-12 C-Z 37 DEG HYD FLARED TUBE 90 DEG
26	9 410 285	ELBOW, 1-5/16-12 37 DEG FLARED TUBE 90 DEG SWIVEL
27	543 691 R1	PLUG, W/OPEN PORT
28	9 403 376	CAP, 1-5/16-12 ZND 37 DEG HYD FLARED TUBE

HYDRAULIC TUBES AND CONNECTIONS

HYDRAULIC TUBES AND CONNECTIONS -CONTINUED



REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
1	364 885 R1	O-RING, 5/8 TUBE -13-	
2	481 352 R1	CONNECTOR, 5/8 - 1/2 SPECIAL REDUCING -6-	
3	481 647 R21	TUBE ASSY, TOP PORT SWING CYL -ALL EXCEPT 500 C CRAWLER-	
3	492 606 R1	TUBE ASSY, TOP PORT CYL -FOR 500 C CRAWLER TRACTOR-	

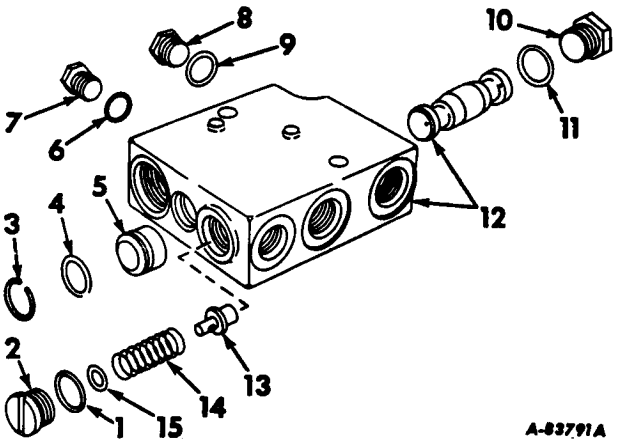
REF. NO.	PART NUMBER	DESCRIPTION
		HYDRAULIC TUBES AND CONNECTIONS -CONTINUED
4	481 648 R21	TUBE ASSY, BOTTOM PORT SWING CYL -ALL EXCEPT 500 C CRAWLER-
4	492 605 R1	TUBE ASSY, BOTTOM PORT CYL -FOR 500 C CRAWLER TRACTOR-
5	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL -2-
6	486 020 R2	TUBE ASSY, TOP PORT BUCKET CYL -ALL EXCEPT 500 C CRAWLER-
6	492 600 R1	TUBE ASSY, TOP PORT BUCKET CYL -FOR 500 C CRAWLER TRACTOR-
7	481 642 R21	TUBE ASSY, BOTTOM PORT BUCKET CYL -ALL EXCEPT 500 C CRAWLER-
7	492 599 R1	TUBE ASSY, BOTTOM PORT BUCKET CYL -FOR 500 C CRAWLER TRACTOR-
8	481 652 R21	TUBE ASSY, TOP PORT LH STABILIZER -ALL EXCEPT 500 C CRAWLER TRACTOR-
8	492 610 R1	TUBE ASSY, TOP PORT LH STABILIZER -FOR 500 C CRAWLER TRACTOR-
9	481 655 R21	TUBE ASSY, BOTTOM PORT LH STABILIZER -ALL EXCEPT 500 C CRAWLER TRACTOR-
9	492 609 R1	TUBE ASSY, BOTTOM PORT LH STABILIZER -FOR 500 C CRAWLER TRACTOR-
10	481 649 R21	TUBE ASSY, TOP PORT RH STABILIZER -ALL EXCEPT 500 C CRAWLER TRACTOR-
10	492 608 R1	TUBE ASSY, TOP PORT RH STABILIZER -FOR 500 C CRAWLER TRACTOR-
11	481 651 R21	TUBE ASSY, BOTTOM PORT RH STABILIZER -ALL EXCEPT 500 C CRAWLER TRACTOR-
11	492 607 R1	TUBE ASSY, BOTTOM PORT RH STABILIZER -FOR 500 C CRAWLER TRACTOR-
12	486 021 R2	TUBE ASSY, TOP PORT CROWD CYL -ALL EXCEPT 500 C CRAWLER TRACTOR-
12	492 603 R1	TUBE ASSY, TOP PORT CROWD CYL -FOR 500 C CRAWLER TRACTOR-
13	481 646 R21	TUBE ASSY, BOTTOM PORT CROWD CYL -ALL EXCEPT 500 C CRAWLER TRACTOR-
13	492 604 R1	TUBE ASSY, BOTTOM PORT CROWD CYL -FOR 500 C CRAWLER TRACTOR-
14	481 643 R21	TUBE ASSY, TOP PORT LIFT CYL -ALL EXCEPT 500 C CRAWLER TRACTOR-
14	492 602 R1	TUBE ASSY, TOP PORT LIFT CYL -FOR 500 C CRAWLER TRACTOR-
15	486 019 R2	TUBE ASSY, BOTTOM PORT LIFT CYL -ALL EXCEPT 500 C CRAWLER TRACTOR-
15	492 601 R1	TUBE ASSY, BOTTOM PORT LIFT CYL -FOR 500 C CRAWLER TRACTOR-
16	481 657 R11	TUBE ASSY, SWING MECHANISM DRAIN -ALL EXCEPT 500 C CRAWLER TRACTOR-
16	492 611 R1	TUBE ASSY, RETURN TO SWING -FOR 500 C CRAWLER TRACTOR-
17	935 433 R1	UNION, 3/8 TO 5/8 TUBE BOSS
18	138 561	WASHER, 3/4 C-Z INT-TOOTH LOCK -4-
19	9 403 294	NUT, 3/4-16 BULKHEAD UNION LOCK -4-

-31- SECTION D
3121 BACKHOE
BKH-1

REF. NO.	PART NUMBER	DESCRIPTION
		HYDRAULIC TUBES AND CONNECTIONS -CONTINUED
20	486 004 R1	CHANNEL, TUBE CLAMP
	180 128	SCREW, 3/8-16 X 1-3/4 C-Z HEX-HD CAP -2-
	120 377	NUT, 3/8- 16 C-Z HEX. -4-
	120 382	WASHER, 3/8 C-Z MED LOCK -4-
21	481 690 R2	STRIP, HYD LINE CUSHIONING -ALL EXCEPT 500 C CRAWLER TRACTOR-
21	492 612 R1	STRAP ASSY, HYD LINE -FOR 500 C CRAWLER TRACTOR-
	180 128	SCREW, 3/8-16 X 1-3/4 C-Z HEX-HD CAP -2-
22	9 410 976	ELBOW, 9/16-18 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG
23	364 839 R1	O-RING, 3/8 TUBE
24	9 410 978	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG -3-
25		VALVES, HYDRAULIC CONTROL -REFER TO HYDRAULIC CONTROL VALVES LISTINGS-
26	397 699 R1	UNION ASSY, ORIFICE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

FLOW DIVIDER VALVE
-TRACTORS WITH POWER STEERING-



REF. NO.	PART NUMBER	DESCRIPTION
	389 412 R91	FLOW DIVIDER ASSY
1	252 739 R1	O-RING, 11/16 X 1/2 X 3/32
2	391 458 R1	PLUG, SLOTTED
3	583 476 R1	RING, LOCK
4	352 221 R1	O-RING, 9/16 X 3/4 X 3/32
5	583 477 R1	PLUG, BODY
6	355 967 R1	O-RING, 3/8 X 1/2 X 1/16
7	391 457 R1	PLUG, BODY
8	391 456 R1	PLUG, BODY
9	355 966 R1	O-RING, 7/16 X 5/8 X 3/32
10	391 455 R1	PLUG, BODY
11	252 707 R1	O-RING, 3/4 X 15/16 X 3/32
12		BODY, FLOW DIVIDER -NOT SERVICED SEPARATELY, ORDER FLOW DIVIDER ASSY 389 412 R91-
13	394 653 R91	POPPET ASSY
14	394 654 R2	SPRING, RELIEF VALVE
15	394 655 R1	WASHER POPPET
	391 459 R91	PACKAGE, FLOW DIVIDE O-RING SERVICE -CONSISTS OF

1	O-RING	352 221 R1
1	O-RING	355 967 R1
1	O-RING	252 707 R1
1	O-RING	355 966 R1
1	O-RING	252 739 R1
1	RING	583 476 R1-

3121 BACKHOE -32- SECTION D

REF. NO. PART NUMBER DESCRIPTION BKH-1

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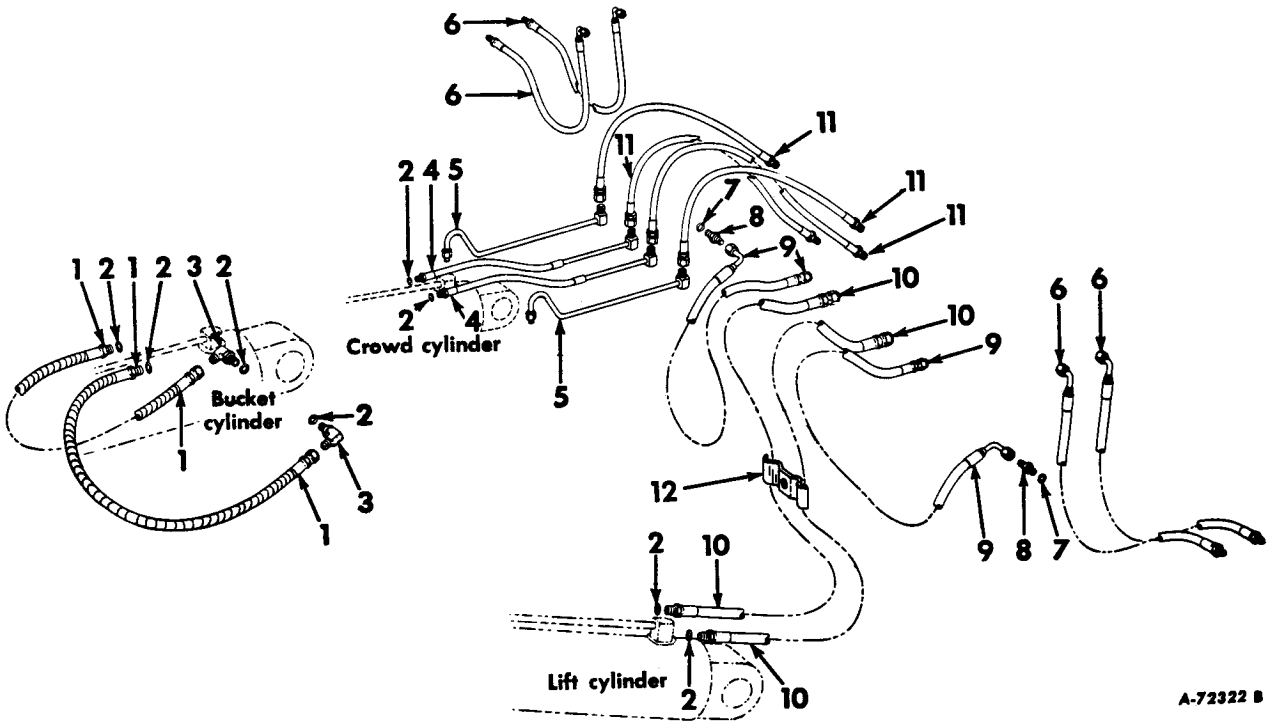
HYDRAULIC CONNECTIONS - BASIC-



REF. NO.	PART NUMBER	DESCRIPTION
1	470 252 R91	HOSE ASSY, BOOM TO BUCKET - 38 IN. -2-
1	472 789 R91	HOSE ASSY, BOOM TO BUCKET -53 IN. - -2- -FOR 3514, 3616 & 500 C TRACTORS-
2	364 885 R1	O-RING, 5/8 TUBE -8-
3	9 410 978	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE -2-
4	481 697 R91	HOSE ASSY, CROWD CYL 35 IN. -2-
5	481 699 R11	TUBE ASSY, BOOM TO HOSE -2-
6	470 256 R91	HOSE ASSY, BULKHEAD TO STABILIZER -4-
7	364 839 R1	O-RING, 3/8 TUBE -2-
8	382 449 R1	CONNECTOR, 1/2 - 3/8 TUBE BOSS -2-
9	481 700 R93	HOSE, BULKHEAD TO SWING 32 IN. -2-
10	481 698 R93	HOSE ASSY, PIPE TO LIFT CYL 51 IN. -2-
11	481 641 R91	HOSE, PIPE TO BOOM - 41.5 IN. -4-
12	469 998 R1	CLAMP, HYD HOSE
	120 378	NUT, 1/2-13 C-Z HEX.
	120 238	NUT, 1/2-13 C-Z HEX. JAM

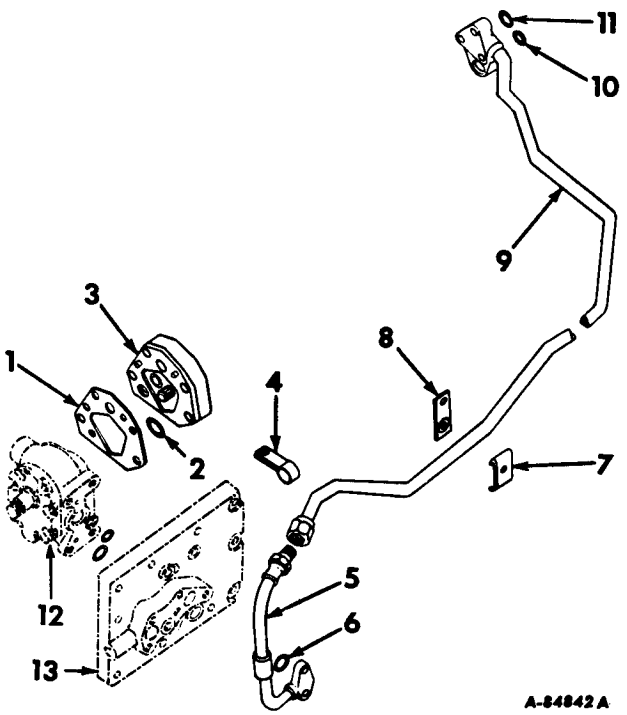
-33- SECTION D
3121 BACKHOE
BKH-1

HYDRAULIC CONNECTIONS - BASIC- -CONTINUED

PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

PUMP AND POWER SUPPLY CONNECTIONS
-FOR INTERNATIONAL 504, 2504, 606 AND 2606 TRACTORS W/2000 OR 3000 LOADER OR INDEPENDENT SUBFRAME-



1	371 543 R2		GASKET, HYDRAULIC GEAR PUMP
2	371 544 R1		O-RING, 9/16 X 11/16 X 1/16 -HYDRAULIC GEAR PUMP-
3	381 115 R92		PUMP ASSY, HYDRAULIC GEAR -7 GPM- -THOMPSON- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC PUMP- -OPTIONAL WITH 381 116 R92-
	179 849		SCREW, 3/8-11 X 2-1/2 HEX-HD CAP -4-
3	381 116 R92		PUMP ASSY, HYDRAULIC GEAR -7 GPM- -CESSNA- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC PUMP- -OPTIONAL WITH 381 115 R92-
	179 849		SCREW, 3/8-11 X 2-1/2 HEX-HD CAP -4-
4	381 622 R1		CLIP, PRESSURE TUBE
5	381 120 R92		HOSE AND TUBE ASSY, PUMP PRESSURE
	179 823		SCREW, 5/16-18 X 1-5/8 HEX-HD CAP -2-
6	352 221 R1		O-RING, 9/16 X 3/4 X 3/32 -PRESSURE HOSE FLANGE-
7	381 426 R1		CLAMP, PRESSURE TUBE
	179 797		SCREW, 1/4-20 X 1 HEX-HD CAP
8	381 425 R11		BRACKET ASSY, PRESSURE TUBE
	179 837		SCREW, 3/8-16 X 3/4 HEX-HD CAP
	103 341		WASHER, 13/32 X 13/16 X .065 GA

3121 BACKHOE -34- SECTION D

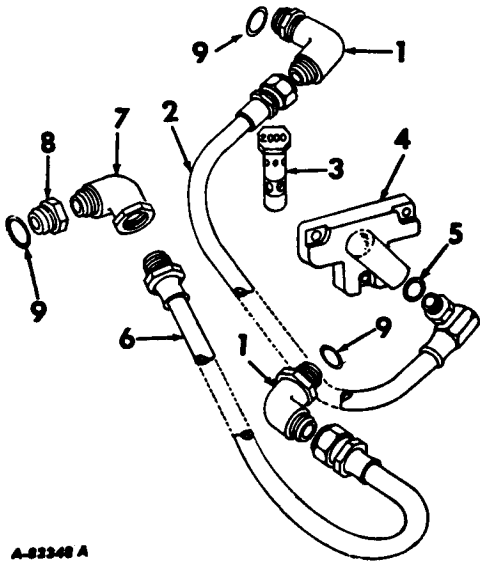
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

PUMP AND POWER SUPPLY CONNECTIONS -CONTINUED
-FOR INTERNATIONAL 504, 2504, 606 AND 2606 TRACTORS W/2000 OR 3000 LOADER OR INDEPENDENT SUBFRAME-

9	381 118 R21		TUBE ASSY, PUMP PRESSURE
	179 847		SCREW, 3/8-16 X 2 HEX-HD CAP -3-
	103 321		WASHER, 3/8 MED LOCK -3-
10	355 965 R1		O-RING, 15/16 X 1-3/16 X 1/8 -PRESSURE TUBE FLANGE-
11	356 005 R1		O-RING, 1-1/8 X 1-3/8 X 1/8 -PRESSURE TUBE FLANGE-
12			PUMP, HYDRAULIC INTERNAL -NOTE-
13			COVER, HYDRAULIC PUMP -NOTE-
			NOTE- REFER TO TC-88 OR TC-89 PARTS CATALOGS-

BKH-1

POWER SUPPLY CONNECTION -FOR INTERNATIONAL 504, 606, 2504 & 2606 TRACTOR W/O LOADER-

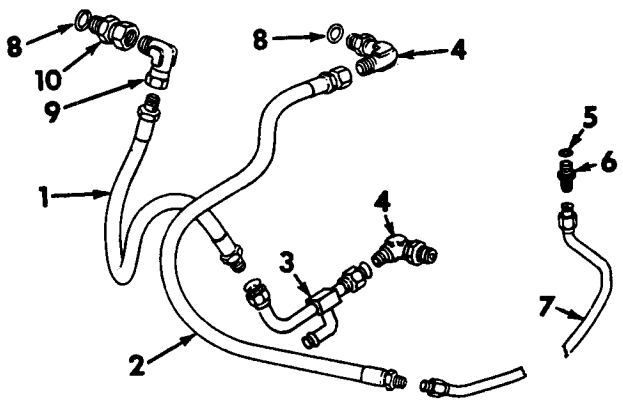


A-83348 A

REF. NO.	PART NUMBER	DESCRIPTION
1	9 410 981	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ. STR THD 90 DEG -2-
2	481 761 R91	HOSE ASSY, HYD
3	388 208 R92	VALVE ASSY, 2000 PSI PILOT OPERATED -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF PILOT RELIEF VALVE-
4	470 603 R1	COVER, POWER BEYOND
5	297 459 R1	O-RING, 1.048 X .116
6	383 941 R91	HOSE ASSY, HYD RETURN
7	9 410 285	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL
8	481 766 R1	ADAPTOR, 1-5/16-12 37 DEG HYD FLARED
9	296 247 R1	O-RING, 1-11/16 X 1-13/32 X 7/64 -2-

BKH-1

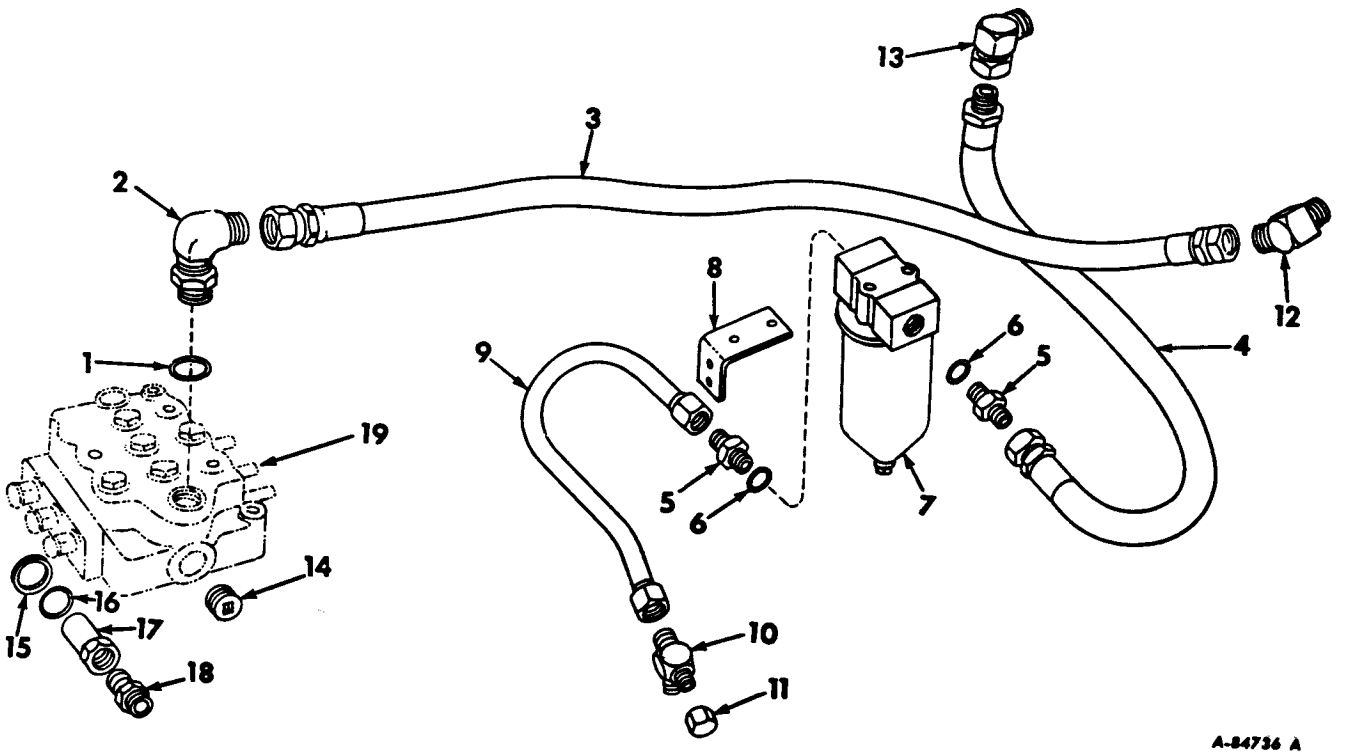
POWER SUPPLY CONNECTIONS -FOR I-504, 606, 2504 AND 2606-



A-83253A

REF. NO.	PART NUMBER	DESCRIPTION
1	470 246 R91	HOSE ASSY, 1 X 33 IN. -INLET FILTER TUBE TO HOE VALVE-
2	394 710 R91	HOSE ASSY, 3/4 X 44 IN.
3	479 358 R91	TEE ASSY, DUMPLINE
4	9 410 981	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG -2-
5	297 459 R1	O-RING, 1.048 X .116
6	9 410 206	CONNECTOR, 1-3/16-12 C-Z PLTD FLARED TUBE SWIVEL
7	470 249 R11	TUBE ASSY, PRESSURE
8	296 247 R1	O-RING, 1-11/16 X 1-13/32 X 7/64 -2-
9	9 410 285	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL
	9 403 376	CAP, 1-5/16-12 37 DEG HYD FLARED TUBE
10	481 766 R1	ADAPTER, 1-5/16-12 37 DEG HYD FLARED

POWER SUPPLY FOR 500 CRAWLER TRACTOR



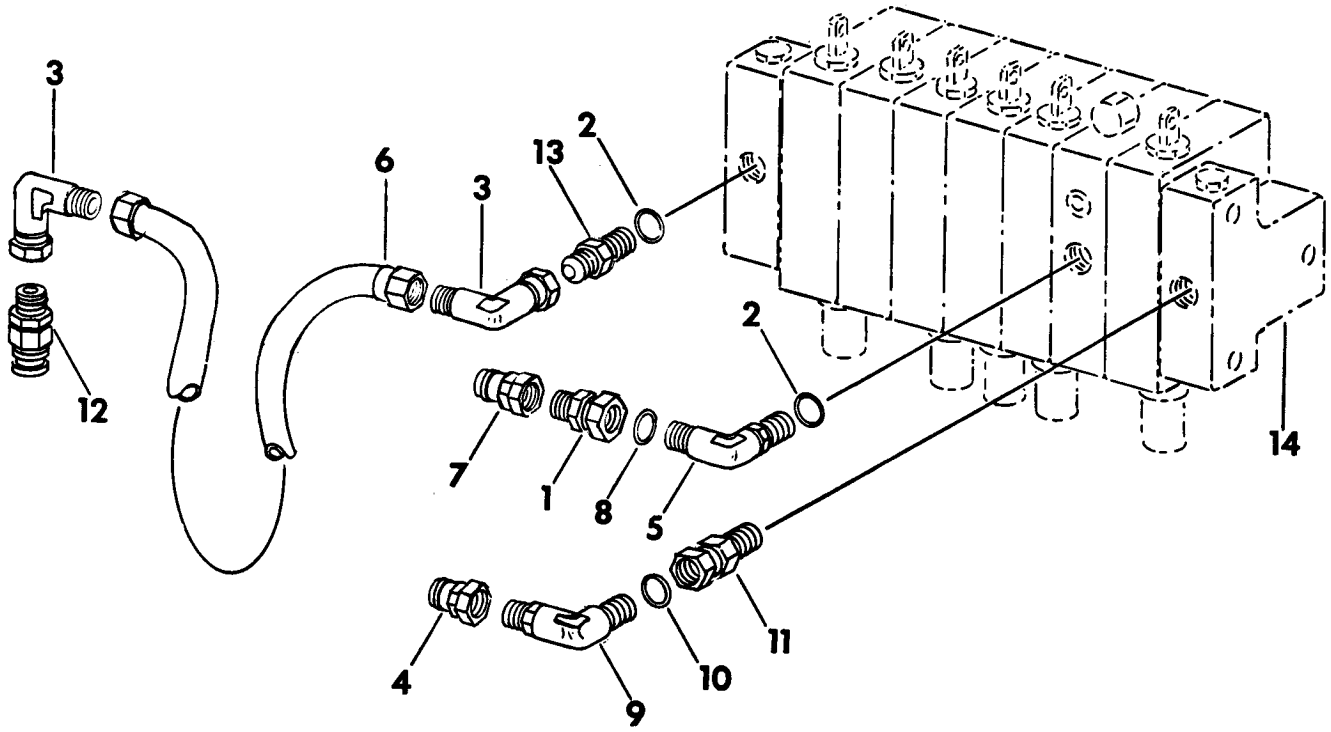
REF. NO.	PART NUMBER	DESCRIPTION
1	297 459 R1	O-RING, 7/8 OD TUBE
2	9 410 980	ELBOW, 1-3/16-12 90 DEG ADJ STR THR
3	482 042 R91	HOSE ASSY, HYD PRESSURE
4	383 941 R91	HOSE ASSY, RETURN
5	9 410 207	CONNECTOR, 1-5/16-12 37 DEG HYD FLARED TUBE SHORT SWIVEL -2-
6	296 247 R1	O-RING, 1 IN. OD TUBE -2-
7	471 133 R92	FILTER ASSY, OIL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF OIL FILTER-
8	483 132 R1	BRACKET, FILTER
	120 376	NUT, 5/16-18 C-Z HEX. -2-
	180 122	SCREW, 3/8-16 X 1 C-Z HEX-HD CAP -2-
	180 079	SCREW, 5/16-18 X 1 C-Z HEX-HD CAP -2-
	120 382	WASHER, 3/8 C-Z MED LOCK -2-
	120 214	WASHER, 5/16 C-Z MED LOCK -2-
9	483 131 R11	TUBE ASSY, FILTER
10	482 043 R1	TEE, HYD FITTING
11	9 403 373	CAP, 7/8-14 37 DEG FLARED FEMALE
12	9 410 981	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG
13	9 410 981	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL

3121 BACKHOE -36- SECTION D

POWER SUPPLY FOR 500 CRAWLER TRACTOR -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
14	444 667	PLUG, 1/2-14 AUTO-SQ-SOC PIPE -FOR HUSCO VALVE POWER BEYOND-
15	635 971 R1	GASKET -FOR GRESEN VALVE POWER BEYOND SLEEVE-
16	666 218 R1	O-RING -FOR GRESEN VALVE POWER POWER BEYOND SLEEVE-
17	666 217 R1	SLEEVE, POWER BEYOND -FOR GRESEN VALVE-
18	9 402 712	CONNECTOR, 3/4 NPIF X 1-3/16-12 37 DEG FLARE -FOR GRESEN VALVE-
19		VALVE, CONTROL -REFER TO TC-203 PARTS CATALOG-

POWER SUPPLY CONNECTIONS
-500 C CRAWLER TRACTOR-



CA-1906

REF. NO.	PART NUMBER	DESCRIPTION
1	481 766 R1	ADAPTER
2	296 247 R1	O-RING -2-
3	9 402 947	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE 90 DEG. UNION -2-
4	395 149 R1	COUPLER ASSY, SELF SEALING MALE
5	9 410 981	ELBOW, 1-5/16-12 37 DEG. HYD FLARED TUBE 90 DEG.
6	492 621 R1	HOSE ASSY, RETURN LINE
7	480 743 R91	COUPLING ASSY, SELF SEALING MALE
8	343 905 R1	O-RING, 1-3/16 X 1-3/8 X .109
9	9 410 978	ELBOW, 7/8-14 37 DEG. HYD FLARED TUBE ADJ STR THD 90 DEG.
10	364 885 R1	O-RING, 5/8 TUBE -2-
11	485 313 R1	ADAPTOR
12	480 744 R91	COUPLER, HYD QUICK DISCONNECT
13	9 410 207	UNION, 1-5/16-12 37 DEG. FLARED TUBE SHORT SWIVEL
14		VALVES, HYDRAULIC CONTROL -REFER TO HYDRAULIC CONTROL VALVES LISTING-

-37- SECTION D
3121 BACKHOE
BKH-1
POWER SUPPLY CONNECTIONS -CONTINUED
-500 C CRAWLER TRACTOR-

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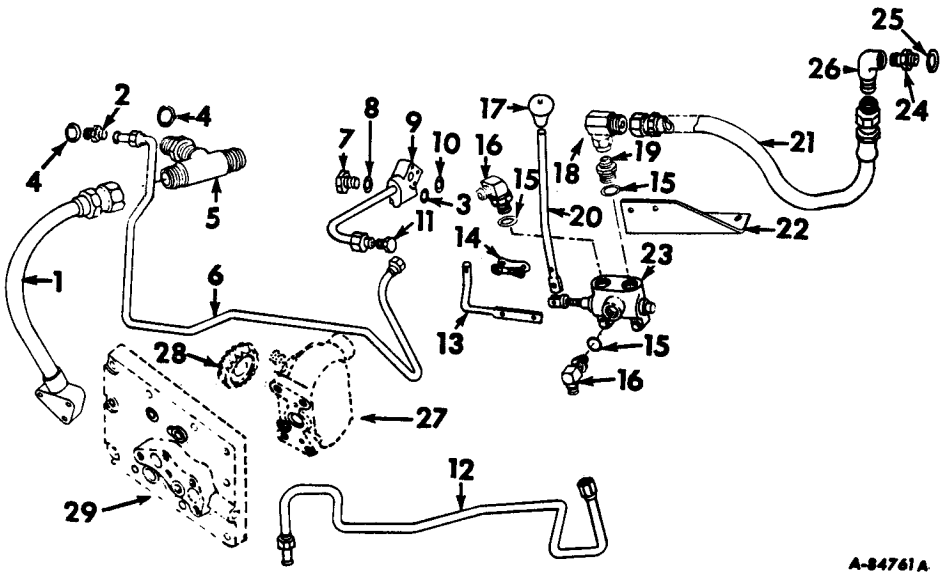
REVISION NO. 12

FLANGE AND POWER SUPPLY CONNECTIONS
-SEE NOTE-



REF. NO.	PART NUMBER	DESCRIPTION
1	475 186 R91	HOSE ASSY, 17 GPM PRESSURE
2	573 206 R1	CONNECTOR, 508 HYD 37 DEG FLARED TUBE SHORT SWIVEL
3	356 005 R1	O-RING, 1-1/8 X 1-3/8 X 1/8 TUBE FLANGE SUCTION CONNECTION
4	368 269 R1	O-RING, 59/64 X 1-1/16 X 7/64 -2-
5	9 411 120	TEE, 3/4 HYD 37 DEG FLARED TUBE ADJ STR THD
6	475 187 R11	TUBE ASSY, DIVERTER VALVE TO STEERING
7	9 410 359	PLUG, 1/2 TUBE STR THD O-RING BOSS IN DRAFT CONTROL TUBE FLANGE
8	570 828 R1	O-RING, 1/2 TUBE
9	469 905 R91	TUBE ASSY, DRAFT CONTROL
	180 130	SCREW, 3/8 X 2 C-Z HEX-HD -3-
	120 382	WASHER, 3/8 C-Z LOCK -3-
10	355 965 R1	O-RING, 15/16 X 1-3/16 X 1/8 TUBE FLANGE POWER CONNECTIONS
11	9 403 334	PLUG, 5/8 HYD 37 DEG FLARED TUBE
12	474 477 R11	PIPE ASSY, DIVERTER
13	478 886 R1	SUPPORT, DIVERTER VALVE LEVER
14	587 372 R91	LINK, CHAIN ASSY
15	364 885 R1	O-RING, .755 X .097 CLASS 4 -3-
16	9 410 978	ELBOW, 7/8-14 C-Z 37 DEG HYD -2-
17	53 717 DA	KNOB, DIVERTER VALVE LEVER
18	9 410 282	ELBOW, 5/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL
19	9 410 204	CONNECTOR, 7/8-14 C-Z 37 DEG HYD FLARED TUBE SHORT SWIVEL

3121 BACKHOE -38- SECTION D

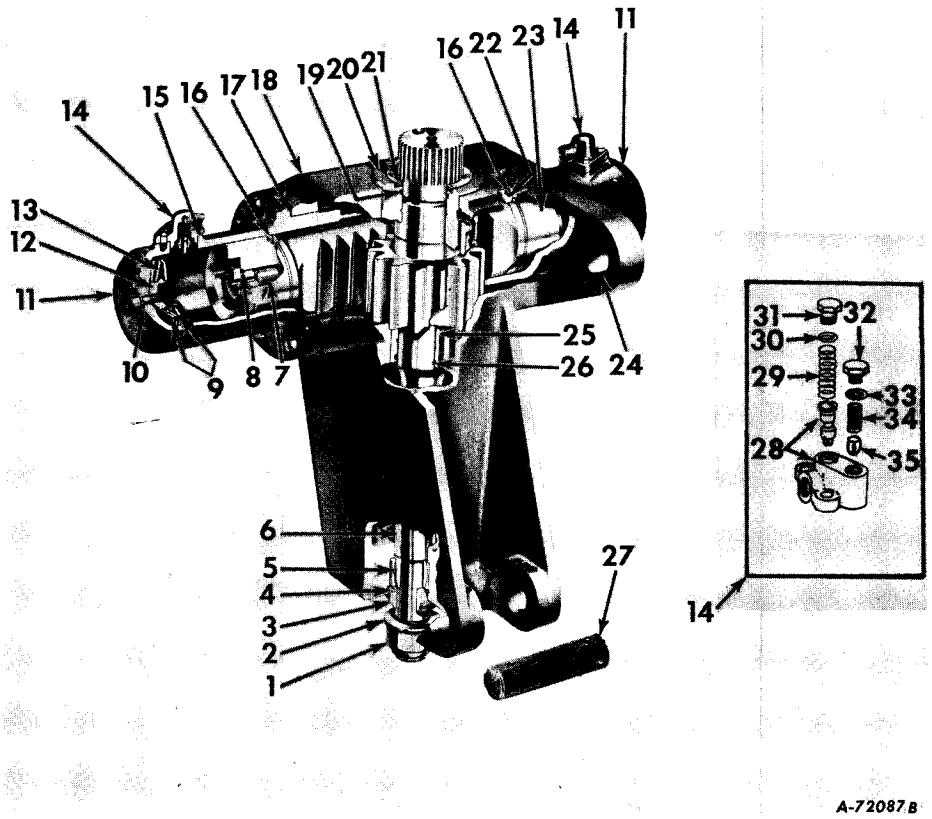
FLANGE AND POWER SUPPLY CONNECTIONS -CONTINUED
-SEE NOTE-

REF. NO.	PART NUMBER	DESCRIPTION
20	478 885 R1	LEVER, DIVERTER VALVE
	669 546 R1	PIN, LEVER
	19 454 R1	PIN, 5/64 X 7/16 COT.
21	338 345 R91	HOSE ASSY, PRESSURE
22	474 478 R1	BASE, DIVERTER VALVE
23	478 887 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVES-
	120 376	NUT, 5/16-18 C-Z HEX. -2-
	180 086	SCREW, 5/16-18 X 1-7/8 C-Z HEX-HD CAP -2-
	120 214	WASHER, 5/16 C-Z MED -2-
24	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL
25	364 885 R1	O-RING, 5/8 TUBE
26	9 410 282	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE 90 DEG SWIVEL
27		PUMP, HYDRAULIC INTERNAL -REFER TO TC-88 OR TC-89 PARTS CATALOG-
28		GEAR, DRIVE PUMP -FOR 606 AND 2606 TRACTORS- -REFER TO TC-89 CATALOG-
29		COVER, HYDRAULIC PUMP -REFER TO TC-88 OR TC-89 PARTS CATALOG-

NOTE - FOR INTERNATIONAL 504, 606, 2504 AND 2606 TRACTORS EQUIPPED WITH 2000 OR 3000 LOADER OR INDEPENDENT SUBFRAME-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SWING MECHANISM



1	18 460 R1	NUT, 1-1/2-12 ESNA STOP	
2	469 079 R1	WASHER, SWING SHAFT	
3	468 336 R1	SPACER, LOWER SWING SHAFT BRG	
4	468 337 R1	RING, LOWER SWING SHAFT BUSHING SNAP	
5	493 873 R91	BUSHING W/BALL, SWING SHAFT -REPLACES 299 480 R91-	
6	468 330 R1	SHAFT, BACKHOE SWING	
7	394 311 R91	VALVE ASSY, SWING PISTON SAFETY -2-	
8	296 247 R1	O-RING, 1 OD TUBE -2- -ON SAFETY VALVE ASSY-	
9	468 345 R1	SPRING, SWING PISTON BUMPER -4- -FOR 17.1 IN. LONG CYLINDER-	
10	299 496 R1	SEAL, BUMPER SPRING RETAINER SCREW DYNA -2- -FOR 17.1 IN. LONG CYLINDER-	
	11 002 VA	WASHER, 17/32 X 7/8 X 16 GA -2- -FOR 17.1 IN. LONG CYLINDER-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SWING MECHANISM -CONTINUED

11	481 807 R1	CYLINDER, BACKHOE SWING -2- -FOR 17.1 IN. LONG CYLINDER-	
11	488 499 R1	BODY, BACKHOE SWING CYLINDER -2- -FOR 18.1 IN. LONG CYLINDER-	
	484 667 R1	SCREW, 5/8-11 X 1-1/2 HEX-HD CAP -16-	
	180 177	SCREW, 1/2-13 X 1-1/2 CD OR ZN-PLTD HEX-HD CAP -2- -FOR 17.1 IN. LONG CYLINDER-	
9	410 358	PLUG, 9/16-18 C-Z STR THD O-RING BOSS -2- -FOR 18.1 IN. LONG CYLINDER-	
	364 839 R1	O-RING, 3/8 OD TUBE -2- -FOR 18.1 IN. LONG CYLINDER-	
12	468 343 R1	RETAINER, SWING CYL BUMPER SPRING -2- -FOR 17.1 IN. LONG CYLINDER-	
13	470 471 R1	SPRING, SWING PISTON BUMPER -2- -FOR 17.1 IN. LONG CYLINDER-	
14	392 941 R91	VALVE ASSY, DECELERATOR -2-	
	138 221	SCREW, 5/16-18 X 3/4 HEX-HD SOCKET CAP -6-	
15	481 767 R1	O-RING, 1-1/2 X 1-11/16 X 3/32 -2- -BETWEEN VALVE HOUSING & SWING CYL	
16	468 340 R1	RING, SWING PISTON -2-	
17	285 253 R1	O-RING, 5-1/2 X 5-3/4 X 1/8 -2- -BACKHOE SWING CYL-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	SWING MECHANISM -CONTINUED		
18	481 806 R31	HOUSING W/BUSHINGS, SWING	
	109 461	FITTING, 1/8-27 PTF STR LUB	
9	410 360	PLUG, 7/8-14 C-Z STR-THD O-RING BOSS	
	364 885 R1	O-RING, 5/8 OD TUBE	
		-O-RING BOSS PLUG-	
	479 670 R1	SCREW, 1/2-13 X 2 HEX-SOC-HD HALF DOG PT SET	
19	468 335 R1	O-RING, 3-3/8 X 3-3/4 X 3/16	
		-FOR UPPER SWING SHAFT BUSHING-	
	489 532 R1	WASHER, BACKUP	
20	468 333 R2	BUSHING, UPPER SWING SHAFT	
	380 595 R1	O-RING, 5-5/8 X 5-7/8 X 1/8	
		-UPPER SWING SHAFT BUSHING-	
21	468 334 R91	SEAL, UPPER SWING SHAFT BUSHING DUST	
22	468 339 R1	O-RING, 4 X 4-1/4 X 1/8 -2-	
		-ON SWING MECHANISM PISTON-	
23	468 338 R1	PISTON, SWING MECHANISM	
		-FOR 17.1 IN. LONG CYLINDER-	
23	488 498 R1	PISTON, SWING MECHANISM	
		-FOR 18.1 IN. LONG CYLINDER-	
24	468 366 R1	BUSHING, BOOM PIVOT PIN -2-	
25	468 332 R1	BUSHING, LOWER SWING SHAFT BRONZE	
26	471 140 R1	O-RING, 3 X 3-3/8 X 3/16	
		-FOR POWER SWING SHAFT BUSHING-	
27	468 370 R1	PIN, BOOM CYL LOWER	
	177 923	PIN, 1/8 X 3/4 CD OR ZN-PLTD COT. -2-	
	631 252 R1	PIN, 3/8 X 4-1/8 STD-HD -2-	
28	392 945 R91	HOUSING ASSY, VALVE	
29	392 963 R1	SPRING, VALVE PISTON	
30	364 885 R1	O-RING, 3/4 X 15/16 X 3/32	
31	392 964 R1	PLUG, PISTON	
32	392 962 R11	PLUG ASSY, CHECK VALVE	
33	570 828 R1	O-RING, 1/2 OD TUBE	
34	382 915 R1	SPRING ASSY, CHECK VALVE	
35	382 916 R1	POPPET, CHECK VALVE	

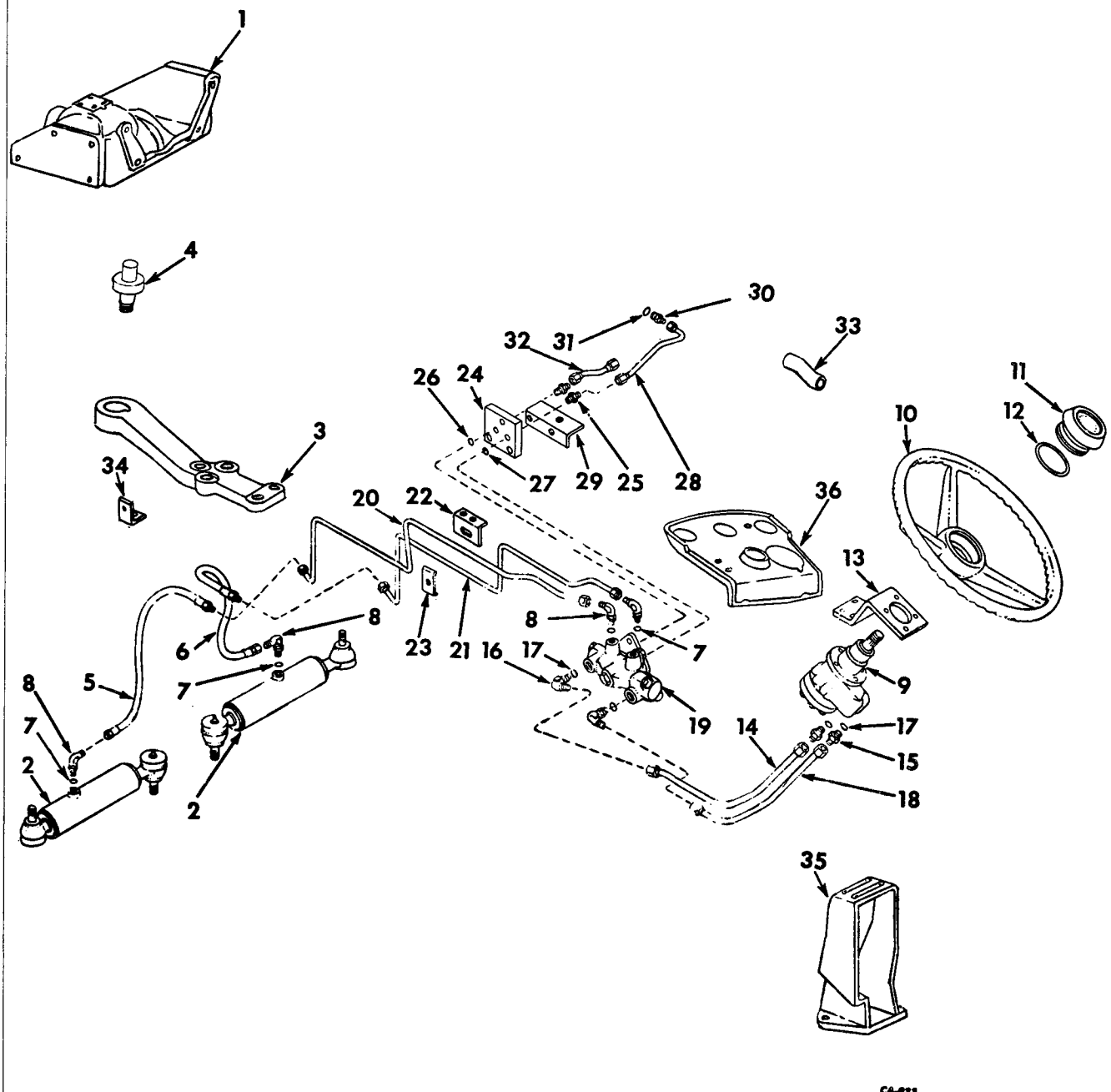
3121 BACKHOE -40- SECTION D

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC TUBING AND CONNECTIONS
-2444 INTERNATIONAL TRACTORS-



-41- SECTION D
3121 BACKHOE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC TUBING AND CONNECTIONS -CONTINUED
-2444 INTERNATIONAL TRACTORS-

PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC TUBING AND CONNECTIONS -CONTINUED -2444 INTERNATIONAL TRACTORS-	
		SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2444 GASOLINE TRACTOR W/O HYDRAULIC LIFT OR POWER STEERING - -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT A- -NOTE-	
		SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2444 DIESEL TRACTOR W/O HYDRAULIC LIFT OR POWER STEERING BUT WITH 388 468 R92 ENGINE AND 9 GPM PUMP- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT B- -NOTE-	
		NOTE - SEE HYDRAULIC CONNECTIONS FOR REMAINDER OF SERVICE PARTS-	
1	388 862 R92	BOLSTER ASSY, FRONT -UNIT B-	
	271 564	SCREW, 5/8-11 X 2-1/2 HEX-HD CAP -2-	
	271 570	SCREW, 5/8-11 X 4 HEX-HD CAP	
	49 952 D	STUD	
	274 468	NUT, 5/8-11 HEX.	
	103 325	WASHER, 5/8 MED LOCK -4-	
	444 574	PLUG, 1/4-18 AUTO-SQ-HD PIPE	
	444 576	PLUG, 1/4-18 AUTO-SQ-HD PIPE	
	444 658	PLUG, 3/8-18 AUTOMOTIVE SQ-SOC-HD PIPE	
	444 660	PLUG, 3/8-18 AUTOMOTIVE SQ-SOC-HD PIPE	
	529 683 R1	PLUG, STEERING WORN HOUSING FRONT	
	172 574	PLUG, 1-1/2 EXPANSION	
	446 220	WASHER, 1/2 X 1-1/8 X .083	
	356 568 R1	PLUG, STEERING GEAR HOUSING VENT	
1	388 864 R91	BOLSTER ASSY, FRONT -UNIT A-	
	271 562	SCREW, 5/8-11 X 2 HEX-HD CAP -3-	
	271 565	SCREW, 5/8-11 X 2-3/4 HEX-HD CAP -3-	
	444 574	PLUG, 1/4-18 AUTO-SQ-HD PIPE	
	444 576	PLUG, 1/4-18 AUTO-SQ-HD PIPE	
	444 658	PLUG, 3/8-18 AUTOMOTIVE SQ-SOC-HD PIPE	
	444 660	PLUG, 3/8-18 AUTOMOTIVE SQ-SOC-HD PIPE	
	529 683 R1	PLUG, STEERING WORN HOUSING FRONT	
	172 574	PLUG, 1-1/2 EXPANSION	
	446 220	WASHER, 1/2 X 1-1/8 X .083	
	356 568 R1	PLUG, STEERING GEAR HOUSING VENT	
2	389 389 R91	CYLINDER ASSY, HYDROSTATIC POWER STEERING -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDROSTATIC STEERING CYLINDER-	
	374 548 R1	NUT, ACTUATING CYLINDER -4-	
	108 641	PIN, 1/8 X 1-3/8 COT. -4-	
3	377 188 R2	ARM, STEERING GEAR	
4	388 869 R1	SHAFT, CENTER STEERING ARM PIVOT	
5	391 807 R91	HOSE ASSY, POWER STEERING LH CYLINDER	
6	389 504 R91	HOSE ASSY, POWER STEERING RH CYLINDER	
7	364 839 R1	O-RING, 3/8 OD TUBE -4- -CYLINDER HOSE CONNECTION-	
8	9 410 976	ELBOW, 9/16-18 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG -4-	

3121 BACKHOE -42- SECTION D

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC TUBING AND CONNECTIONS -CONTINUED -2444 INTERNATIONAL TRACTORS-	
9	389 397 R92	PUMP ASSY, POWER STEERING HAND -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF POWER STEERING HAND PUMP-	
10	385 156 R1	WHEEL, 16 IN. DIA STEERING	
11	378 395 R1	CAP, STEERING WHEEL	
12	295 204 R1	O-RING, 2-13/16 X 3 X 3/32 STEERING WHEEL	
13	388 870 R1	BRACKET, HAND PUMP SUPPORT	
	179 818	SCREW, 5/16-18 X 1 HEX-HD CAP -4-	
	179 842	SCREW, 3/8-16 X 1-3/8 HEX-HD CAP -4-	
	102 635	NUT, 3/8-16 HEX. -4-	
	103 321	WASHER, 3/8 MED LOCK -4-	
14	388 871 R11	PIPE ASSY, VALVE TO HAND PUMP	
15	9 410 203	CONNECTOR, 3/4-16 37 DEG HYD FLARED TUBE SHORT SWIVEL -2-	
16	9 410 977	ELBOW, 3/4-16 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG -2-	
17	570 828 R1	O-RING, 1/2 OD TUBE -4-	
18	388 872 R11	PIPE ASSY, VALVE TO HAND PUMP	
19	385 131 R92	VALVE ASSY, POWER STEERING PILOT -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF POWER STEERING PILOT VALVE-	
20	388 873 R11	PIPE ASSY, FRONT POWER STEERING	
21	388 874 R11	PIPE ASSY, FRONT POWER STEERING	
22	388 875 R1	BRACKET, PIPE	
	15 008 R1	BOLT, 3/8 X 1 SQ-NK CRG	
	179 818	SCREW, 5/16-18 X 1 HEX-HD CAP	
	103 340	WASHER, 11/16 X 1-1/32 X .051	
23	389 503 R1	CLAMP, PIPE BRACKET	
	103 321	WASHER, 3/8 MED LOCK	
	102 635	NUT, 3/8-16 HEX.	
24	388 877 R1	PLATE, MANIFOLD	
	179 840	SCREW, 3/8-16 X 1-1/8 HEX-HD CAP	
	179 844	SCREW, 3/8-16 X 1-5/8 HEX-HD CAP -2-	
	103 321	WASHER, 3/8 MED LOCK -3-	
	102 635	NUT, 3/8-16 HEX. -2-	
25	9 402 682	CONNECTOR, 9/16-18 37 DEG HYD FLARED -2-	
26	369 908 R1	O-RING, 13/16 X 1 X 3/32 POWER STEERING PILOT VALVE	
27	362 796 R1	O-RING, 15/16 X 1-1/8 X 3/32 POWER STEERING PILOT VALVE	
28	389 516 R11	PIPE ASSY, FLOW DIVIDER TO STEERING VALVE	
29	388 880 R1	BRACKET, PILOT VALVE	
	179 854	SCREW, 7/16-14 X 5/8 HEX-HD CAP -2-	
	103 322	WASHER, 7/16 MED LOCK	
30	9 410 203	CONNECTOR, 3/4-16 37 DEG HYD FLARED	
31	364 885 R1	O-RING, 5/8 OD TUBE -2-	
32	389 517 R11	PIPE ASSY, STEERING VALVE TO SUCTION PIPE	
33	389 250 R1	HOSE, SUCTION	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC TUBING AND CONNECTIONS -CONTINUED	
		-2444 INTERNATIONAL TRACTORS-	
34	388 889 R1	BRACKET, CLUTCH PEDAL RETURN SPRING	
	179 854	SCREW, 7/16-14 X 5/8 HEX-HD CAP	
	103 322	WASHER, 7/16 MED LOCK	
	20 549 R1	SCREW, 1/2-13 X 1-7/8 HEX-HD CAP -5- -UNIT B-	
	20 612 R1	SCREW, 1/2-13 X 1-3/8 HEX-HD CAP -5- -UNIT A-	
	364 257 R1	SCREW, 1/2-13 X 1-3/4 HEX-HD CAP -2- -UNIT B-	
	264 239 R1	SCREW, 1/2-13 X 2 HEX-HD CAP -2- -UNIT A-	
	103 323	WASHER, 1/2 MED LOCK -7-	
35	388 661 R1	SUPPORT, FUEL TANK & STEERING	
	179 859	SCREW, 7/16-14 X 1-1/8 HEX-HD CAP -3-	
	103 322	WASHER, 7/16 MED LOCK -3-	
	271 558	SCREW, 5/8-11 X 1-1/2 HEX-HD CAP	
	103 325	WASHER, 5/8 MED LOCK	
36	401 414 R2	PANEL ASSY, INSTRUMENT	
	451 928	SCREW, 10-24 X 5/8 CR-REC-OV-HD MACH SS -2-	
	432 234	SCREW, 1/-24 X 1-1/8 CR-REC-OV-HD MACH SS -6-	

3121 BACKHOE -43- SECTION D

REF. NO. PART NUMBER DESCRIPTION BKH-1

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

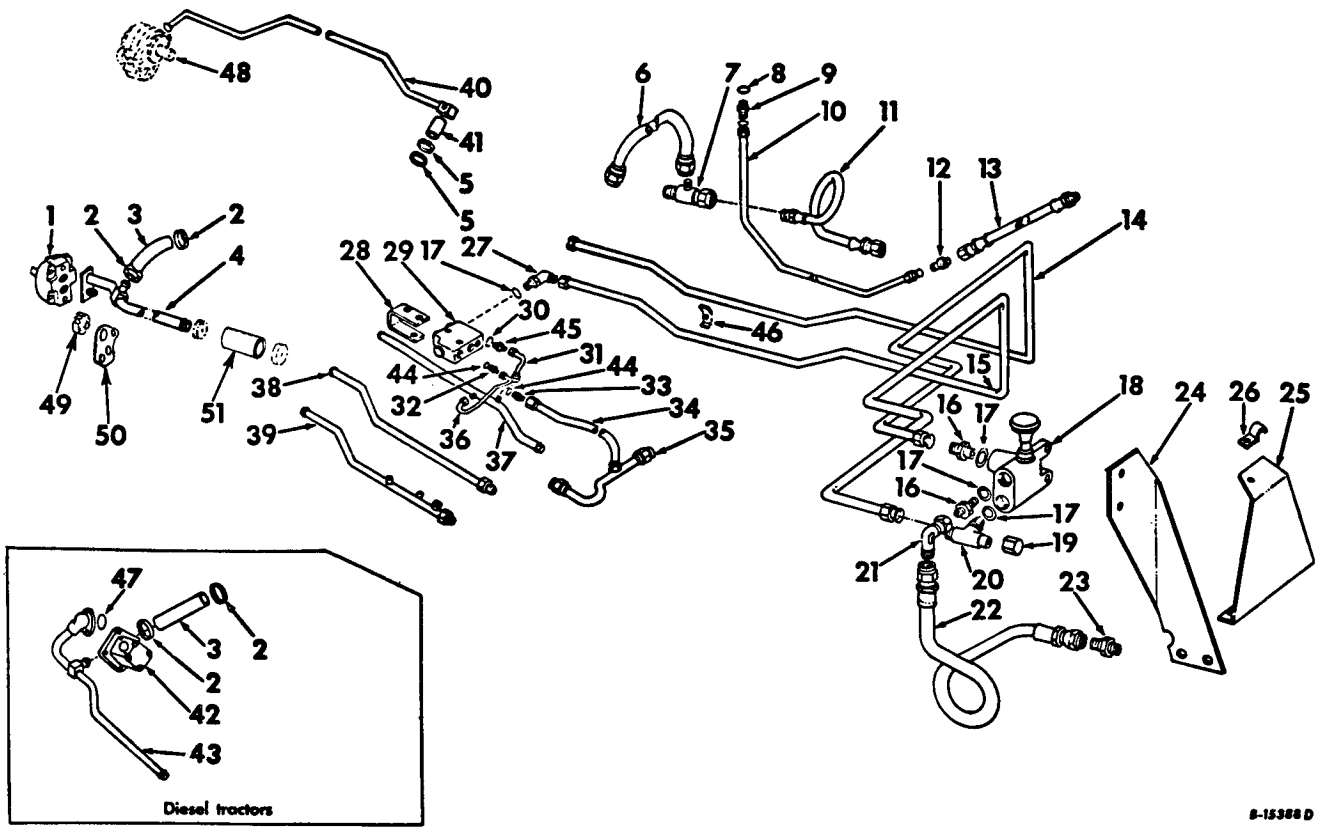
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS -FOR INTERNATIONAL 2424 & 2444 TRACTOR WITH 2000 & 2050 LOADER-

3121 BACKHOE -44- SECTION D

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS -FOR INTERNATIONAL -CONTINUED 2424 & 2444 TRACTOR WITH 2000 & 2050 LOADER-



SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2424 & 2444 GASOLINE OR DIESEL TRACTOR EQUIPPED WITH HITCH, LOADER & POWER STEERING--CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT A-

SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2424 GASOLINE TRACTOR EQUIPPED WITH HITCH, LOADER BUT W/O POWER STEERING -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT B-

SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2424 DIESEL TRACTOR EQUIPPED WITH HITCH, LOADER BUT W/O POWER STEERING -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT C-

SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2424 GASOLINE OR DIESEL TRACTOR EQUIPPED WITH LOADER BUT W/O HITCH OR POWER STEERING -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT D-

SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2424 GASOLINE OR DIESEL TRACTOR EQUIPPED WITH LOADER, POWER STEERING BUT W/O HITCH -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT E-

SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2444 GASOLINE TRACTOR EQUIPPED W/HYDRAULIC LIFT AND W/O POWER STEERING -CONSISTS OF ALL PARTS MARKED UNIT F-

SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2444 DIESEL TRACTOR EQUIPPED W/HYDRAULIC LIFT AND W/O POWER STEERING AND W/ENGINE 388 468 R92 W/9 GPM PUMP- CONSISTS OF ALL PARTS MARKED UNIT G-

SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2444 GASOLINE TRACTOR EQUIPPED W/O HYDRAULIC LIFT AND W/O POWER STEERING- CONSISTS OF ALL PARTS MARKED UNIT H-

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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -FOR INTERNATIONAL 2424 & 2444 TRACTOR WITH 2000 & 2050 LOADER- -CONTINUED	
		SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2444 DIESEL TRACTOR TRACTOR EQUIPPED W/O HYDRAULIC LIFT AND W/O POWER STEERING, BUT W/ENGINE 388 468 R92 W/9 GPM PUMP- CONSISTS OF ALL PARTS MARKED UNIT J-	
		SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2444 DIESEL TRACTOR EQUIPPED W/HYDRUALIC LIFT AND W/ POWER STEERING- -CONSISTS OF ALL PARTS MARKED UNIT K-	
		SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2444 GASOLINE EQUIPPED W/O HYDRAULIC LIFT AND AND W/O POWER STEERING -CONSISTS OF ALL PARTS MARKED UNIT M-	
		-ALSO SEE HUDRAULIC TUBING AND CONNECTIONS LISTING FOR REMAINDER OF SERVICE PARTS-	
		SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2444 DIESEL TRACTOR EQUIPPED W/HYDRAULIC LIFT AND W/O POWER STEERING- -CONSISTS OF ALL PARTS MARKED UNIT N-	
		-ALSO SEE HUDRAULIC TUBING AND CONNECTIONS LISTING FOR REMAINDER OF SERVICE PARTS-	
1	368 633 R92	PUMP ASSY, HYD W/DRIVE GEAR -9 GPM- -THOMPSON- -GASOLINE- -UNITS B, D, E, F, H AND M- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYD PUMP -OPTIONAL WITH 376 993 R94-	
	355 965 R1	O-RING, 15/16 X 1-3/16 X 1/8 -2- -UNITS F, H AND M-	
1	376 993 R94	PUMP ASSY, HYD W/DRIVE GEAR -9 GPM- -CESSNA- -GASOLINE- -UNITS B, D, E, F, H AND M- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYD PUMP -OPTIONAL WITH 368 633 R92-	
	382 137 R1	O-RING, 1 X 1-3/16 X 3/32 -2- -UNITS F, H AND M-	
	186 282	SCREW, 3/8-16 X 3-1/4 HEX-HD CAP -2-	
	103 321	WASHER, 3/8 MED LOCK -2-	
2	274 087 R91	CLAMP, HOSE -2- -UNITS D, E, H, J, M AND N-	
3	369 428 R1	HOSE, 17 GPM SUCTION TO 9 GPM -UNIT D AND E-	
3	490 523 R1	HOSE, 17 GPM TO 9 GPM -UNIT H & M-	
3	490 524 R1	HOSE, 17 GPM SUCTION TO 9 GPM SUCTION -UNITS J & N-	
4	390 908 R91	PIPE ASSY, 9 GPM PUMP -GASOLINE- -UNIT D AND E-	
	103 026	NUT, 3/8-24 HEX. -2-	
	186 311	SCREW, 3/8-24 X 3-3/4 HEX-HD CAP -2-	
	103 321	WASHER, 3/8 MED LOCK -2-	
4	490 516 R1	TUBE ASSY, 9 GPM SUCTION -UNITS H & M-	
5	279 024 R91	CLAMP, SUCTION HOSE -2- UNITS D, E & 4 FOR UNITS H, J, M & N-	
6	390 897 R91	HOSE ASSY, CHARGING -UNITS D, E, H, J, M AND N-	
7	390 898 R91	FITTING RESTRICTING -UNITS D, E, H, J, M & N-	
8	297 459 R1	O-RING, 1.048 X .116	
9	9 410 206	CONNECTOR, 1-3/16-12 DEG HYD FLARED TUBE	
10	480 724 R11	PIPE ASSY, BACKHOE PRESSURE FROM LOADER	
11	383 941 R91	HOSE ASSY, BACKHOE RETURN	
12	469 785 R1	UNION, 1-5/16 X 1-3/16 REDUCING	
13	481 762 R91	HOSE ASSY, 17 GPM PRESSURE	
14	480 962 R11	PIPE ASSY, DIVERTER VALVE TO PRESSURE HOSE	
15	480 963 R11	PIPE ASSY, DIVERTER VALVE TO FLOW DIVIDER -UNIT A, B, C AND E-	
16	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL -2- -UNIT A, B, C AND E-	
17	364 885 R1	O-RING, .756 X .116 -2 FOR UNITS G, M & N- -3 FOR UNIT F- -4 FOR UNITS A, B, C & E-	
18	469 730 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVE- -OPTIONAL WITH 389 252 R92- -UNIT A, B, C AND E-	
	120 376	NUT, 5/16-18 HEX. -2-	
	180 085	SCREW, 5/16-18 X 1-3/4 HEX-HD CAP -2-	
	120 214	WASHER, 5/16 MED LOCK -2-	
18	389 252 R92	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVE- -OPTIONAL WITH 469 730 R91- -UNIT A, B, C AND E-	
	120 376	NUT, 5/16-18 HEX. -2-	
	180 085	SCREW, 5/16-18 X 1-3/4 HEX-HD CAP -2-	
	120 214	WASHER, 5/16 MED LOCK -2-	
19	9 403 373	CAP, 7/8-14 37 DEG HYD FALRED TUBE -UNITS A, B, C, E AND F-	
20	9 411 119	TEE, 7/8-14 37 DEG HYD FLARED TUBE ADJ STR THD -UNITS A, B, C, E, F, G, M & N-	
21	9 410 282	ELBOW, 5/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL -2- -UNIT A, B, C AND E-	
22	338 345 R91	HOSE ASSY, HYDRAULIC PRESSURE -UNIT A-	
22	469 731 R91	HOSE ASSY, 24 IN. HYDRAULIC PRESSURE	
23	9 403 217	UNION, 7/8-14 37 DEG HYD FLARED TUBE -UNITS D, H & J-	
24	480 964 R1	BRACKET, DIVERTER VALVE -UNIT A, B, C AND E-	
25	391 710 R1	BRACKET, TUBE -UNIT D, H & J-	
26	470 453 R1	CLIP, HYD TUBE -UNITS D, H & J-	
	120 375	NUT, 1/4-20 HEX.	
	180 020	SCREW, 1/4-20 X 3/4 HEX-HD CAP	
	120 380	WASHER, 1/4 MED LOCK	
27	9 410 978	ELBOW, 7/8 HYD FLARED TUBE ADJ STR THD 90 DEG	

3121 BACKHOE -45- SECTION D

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1
HYDRAULIC CONNECTIONS -FOR INTERNATIONAL 2424 & 2444 TRACTOR WITH 2000 & 2050 LOADER- -CONTINUED

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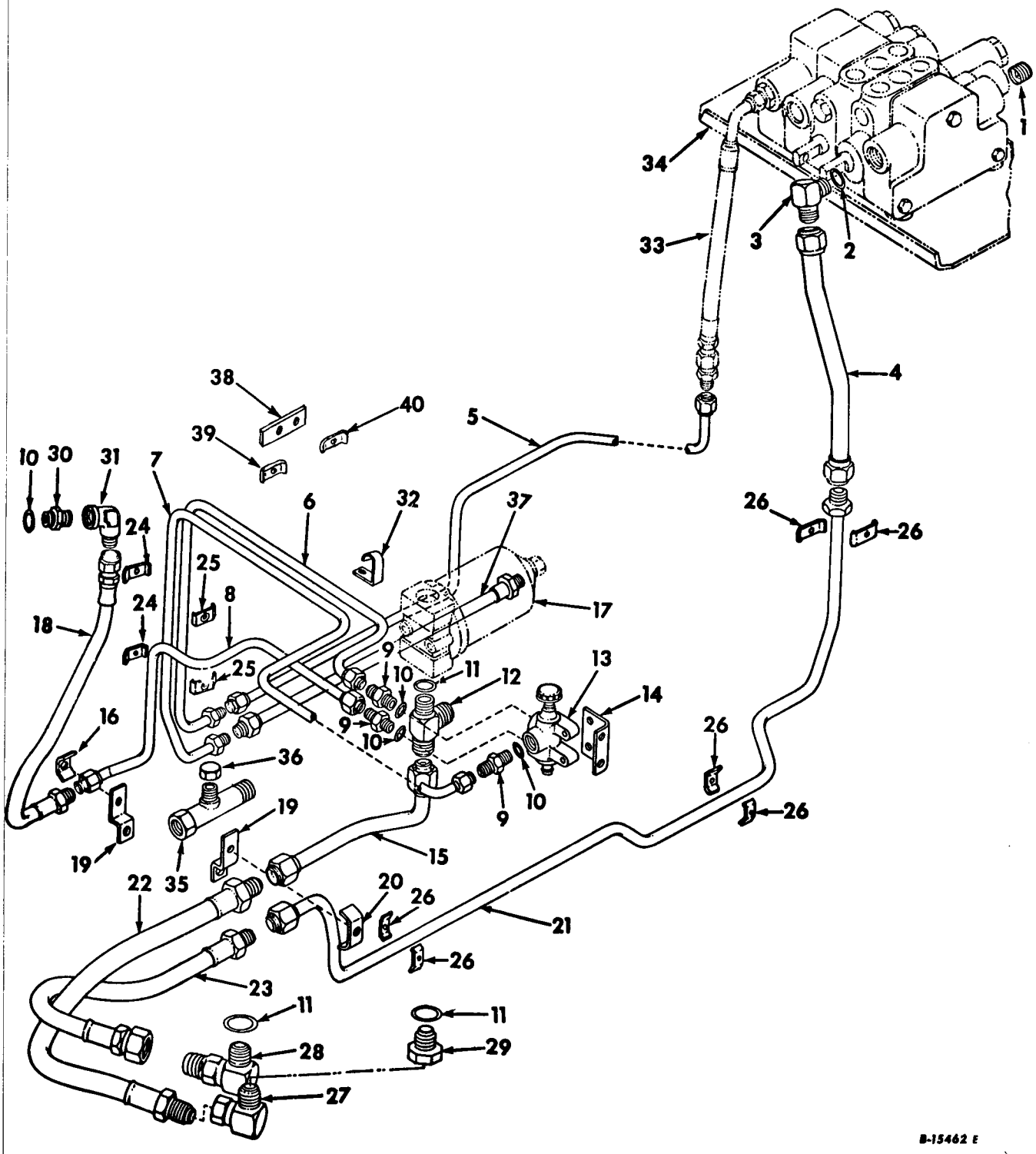
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -FOR INTERNATIONAL 2424 & 2444 TRACTOR WITH 2000 & 2050 LOADER- -CONTINUED	
28	389 520 R1	BRACKET, FLOW DIVIDER MOUNTING -UNITS B, C, E, F, G, M AND N-	
	103 025	NUT, 5/16-24 HEX. -2-	
	179 856	SCREW, 7/16-14 X 3/4 HEX-HD CAP	
	148 115	SCREW, 5/16-24 X 2-1/4 CR-REC-PAN-HD MACH -2-	
	103 320	WASHER, 5/16 MED LOCK -2-	
29	389 412 R91	FLOW DIVIDER -UNITS B, C, E, F, G, M AND N- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF FLOW DIVIDER VALVE-	
30	364 839 R1	O-RING, .468 -UNITS B, C, E, F, G, M AND N-	
31	389 518 R11	PIPE ASSY, FLOW DIVIDER TO SUCTION -UNITS B, C, F, G, M AND N-	
32	587 639 R1	CONNECTOR, FLOW DIVIDER -UNITS B, C, E, F, G, M AND N-	
33	394 828 R1	CONNECTOR, POWER STEERING TO DUMP -UNITS B, C, F & G-	
34	389 519 R11	PIPE ASSY, FLOW DIVIDER TO HITCH -UNITS B, C, F & G-	
35	390 894 R11	PIPE ASSY, FLOW DIVIDER RETURN -UNITS E, M & N-	
36	632 455 R91	HOSE ASSY, POWER STEERING TO DUMP -UNITS B, C, F & G-	
37	389 521 R11	PIPE ASSY, SUCTION -UNITS B, C, F, G AND M-	
38	390 905 R11	PIPE ASSY, SUCTION -UNITS D, H & J-	
39	390 906 R11	PIPE ASSY, SUCTION -UNITS E, M & N-	
40	390 904 R1	PIPE ASSY, 17 GPM TO 9 GPM SUCTION -UNIT D AND E-	
40	490 518 R11	TUBE ASSY, 17 GPM SUCTION W/BACKHOE -UNIT M-	
40	490 525 R1	TUBE ASSY, 17 GPM SUCTION W/BACKHOE -UNITS J & N-	
41	390 901 R1	HOSE, FILTER TO 17 GPM SUCTION LINE -UNIT D AND E-	
42	3 043 981 R93	PUMP ASSY, HYD W/DRIVE GEAR -9 GPM- -DIESEL- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC PUMP- -UNIT C-	
43	390 903 R91	PIPE ASSY, PUMP SUCTION -DIESEL- -UNIT D AND E-	
	20 483 R1	SCREW, 5/16-18 X 3/4 HEX-SOC-HD CAP -2-	
	103 320	WASHER, 5/16 MED LOCK -2-	
43	490 520 R1	TUBE ASSY, PUMP SUCTION -UNITS J & N-	
44	570 828 R1	O-RING, .644 X .087 -UNITS B, C, E, F AND G-	
45	9 410 202	CONNECTOR, 9/16-18 37 DEG HYD FLARED TUBE SHORT SWIVEL -UNIT B, C AND E F, G, M AND N-	
46	470 245 R1	CLAMP, TUBE	
	120 378	NUT, 1/2-13 C-Z HEX.	
	180 181	SCREW, 1/2-13 X 2 C-Z HEX-HD CAP	
	120 384	WASHER, 1/2 C-Z MED LOCK	

3121 BACKHOE -46- SECTION D

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -FOR INTERNATIONAL 2424 & 2444 TRACTOR WITH 2000 & 2050 LOADER- -CONTINUED	
47	369 908 R1	O-RING, 13/16 X 1 X 3/32 -UNITS D, E J AND N-	
48		PUMP, HYDRAULIC -REFER TO TC-107 OR TC-125 PARTS CATALOG-	
49	350 709 R1	GEAR, HYDRAULIC PUMP DRIVE -16T- -UNITS F & H-	
	115 549	WASHER, 3/8 INT-TOOTH	
	114 494	NUT, 3/8-24 HEX. JAM	
50	350 708 R1	GASKET, HYDRAULIC PUMP -UNITS F, H & M-	
51	389 250 R1	HOSE, SUCTION -UNITS H & J-	
		NOTE - UNITS G, J, K & N ALSO INCLUDE 2 BATTERIES 391 882 R91, 1 FENDER 490 526 R1, FENDER 490 227 R1, AND TWO PANELS 392 287 R1-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS -FOR USE ON INTERNATIONAL 3514 & 3616 LOADER TRACTORS-



3121 BACKHOE -47- SECTION D

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS -FOR USE ON -CONTINUED INTERNATIONAL 3514 & 3616 LOADER TRACTORS-

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -FOR USE ON -CONTINUED INTERNATIONAL 3514 & 3616 LOADER TRACTORS-	
1	444 702	PLUG, 1/2-14 AUTOMOTIVE HEX. SOC	
1	444 697	PLUG, 3/8-18 AUTOMOTIVE HEX. SOC	
2	297 459 R1	O-RING, 7/8 OD TUBE	
3	9 410 980	ELBOW, 1-3/16-12 37 DEG HYD FLARED TUBE STR THD 90 DEG	
4	394 439 R11	TUBE ASSY, HYD LOADER VALVE TO BACKHOE PRESSURE TUBE -FOR 3616 TRACTORS-	
4	492 832 R1	PIPE ASSY, PRESSURE TO BACKHOE FRONT -FOR 3514 TRACTORS W/AUXILIARY VALVES-	
4	492 031 R1	PIPE ASSY, PRESSURE TO BACKHOE FRONT -FOR 3514 TRACTORS W/O AUXILIARY VALVES-	
5	480 979 R21	PIPE ASSY, INTERMEDIATE DIVERTER VALVE TO FLOW DIVIDER	
6	480 980 R11	PIPE ASSY, DIVERTER VALVE TO INTERMEDIATE TUBE TO FLOW DIVIDER	
	394 418 R1	HOSE, TUBE CUSHION	
7	480 978 R11	PIPE ASSY, BELLY PUMP HOSE TO DIVERTER VALVE	
8	481 732 R11	PIPE ASSY, DIVERTER VALVE TO BACKHOE SWING BOTTOM PORT	
9	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL -3-	
10	364 885 R1	O-RING, 5/8 TUBE -4-	
11	296 247 R1	O-RING, 1-11/16 X 1-13/32 X 7/64 -3-	
12	9 411 135	TEE, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG	
13	389 251 R92	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVES- OPTIONAL WITH 383 946 R91-	
13	383 946 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVES- OPTIONAL WITH 389 251 R92-	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
	180 085	SCREW, 5/16-18 X 1-3/4 C-Z HEX-HD CAP -2-	
	120 214	WASHER, 5/16 C-Z MED LOCK -2-	
14	480 702 R1	BRACKET, DIVERTER VALVE	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
	180 077	SCREW, 5/16-18 X 3/4 C-Z HEX-HD CAP -2-	
	120 214	WASHER, 5/16 C-Z MED LOCK -2-	
15	480 982 R11	PIPE ASSY, BACKHOE RETURN TO FILTER	
16	470 245 R1	CLAMP, TUBE	
	180 178	SCREW, 1/2-13 X 1-5/8 C-Z HEX-HD CAP	
	120 384	WASHER, 1/2 C-Z MED LOCK	
	120 378	NUT, 1/2-13 C-Z HEX.	
17		OIL FILTER - REFER TO OIL FILTER LISTINGS, THIS SECTION-	
18	477 880 R91	HOSE ASSY, TRACTOR TO BACKHOE -40 IN. LONG-	
19	480 706 R1	BRACKET, BACKHOE TUBES -2-	
	271 562	SCREW, 5/8-11 X 2 C-Z HEX-HD CAP -2-	
20	469 996 R1	CLAMP, BACKHOE TUBES	
	120 378	NUT, 1/2-13 C-Z HEX.	
	180 177	SCREW, 1/2-13 X 1-1/2 C-Z HEX-HD CAP	
	120 384	WASHER, 1/2 C-Z MED LOCK	

3121 BACKHOE -48- SECTION D

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -FOR USE ON -CONTINUED INTERNATIONAL 3514 & 3616 LOADER TRACTORS-	
21	490 664 R2	PIPE ASSY, LOADER TO BACKHOE 22 GPM PRESSURE -FOR 3616 TRACTORS-	
21	492 032 R1	PIPE ASSY, PRESSURE TO BACKHOE REAR -FOR 3514 TRACTORS-	
22	484 898 R91	HOSE ASSY, RETURN BACKHOE TO TRACTOR -54 IN. LONG- -FOR 3616 TRACTORS-	
	271 547	SCREW, 5/8-11 X 1-1/2 C-Z HEX-HD CAP	
22	470 246 R91	HOSE ASSY, RETURN BACKHOE TO TRACTOR -33 INS. LONG- -FOR 3514 TRACTOR-	
23	484 897 R91	HOSE ASSY, 22 GPM PUMP PRESSURE -50 IN. LONG- -FOR 3616 TRACTORS-	
23	394 710 R91	HOSE ASSY, HYDRAULIC -44 IN. LONG- -FOR 3514 TRACTORS-	
24	384 855 R1	CLAMP, HYD TUBE -2-	
25	384 855 R11	CLAMP ASSY, HYD TUBE -2-	
	180 021	SCREW, 1/4-20 X 7/8 C-Z HEX-HD CAP -2-	
	120 380	WASHER, 1/4 C-Z MED LOCK -2-	
26	379 045 R1	CLAMP -6-	
	120 376	NUT, 5/16-18 C-Z HEX. -3-	
	180 086	SCREW, 5/16-18 X 1-7/8 C-Z HEX-HD CAP	
	120 214	WASHER, 5/16 C-Z MED LOCK -3-	
27	9 410 285	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL	
28	9 410 981	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG	
29	481 766 R1	ADAPTER, 1-5/16- 12 37 DEG HYD FLARED	
30	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL	
31	9 410 282	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE 90 DEG SWIVEL	
32	484 782 R1	CLAMP	
33		HOSE ASSY, PRESSURE TO LH END COVER -REFER TO TC-112 PARTS CATALOG-	
34		VALVE BANK -REFER TO HYDRAULIC CONTROL VALVES LISTINGS-	
35	485 314 R2	TEE, SWIVEL RUN REDUCER	
36	9 403 373	CAP, 7/8-14 37 DEG HYD FLARED	
37	401 168 R1	HOSE ASSY, 20 IN. LONG	
38	400 502 R1	BAR, CLAMP -2-	
39	391 478 R2	CLAMP, TUBE	
	180 083	SCREW, 5/16-18 X 1-1/2 C-Z HEX-HD CAP -2-	
	180 079	SCREW, 5/16-18 X 1 C-Z HEX-HD CAP -2-	
	120 214	WASHER, 5/16 C-Z MED LOCK -2-	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
40	481 726 R1	CLAMP, TUBE -2-	
Q	399	WASHER, 11/32 X 1 X .06	
	180 086	SCREW, 5/16-18 X 1-7/8 ZND HEX-HD .00 CAP -2-	
	120 214	WASHER, 5/16 C-Z MED LOCK -2-	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	

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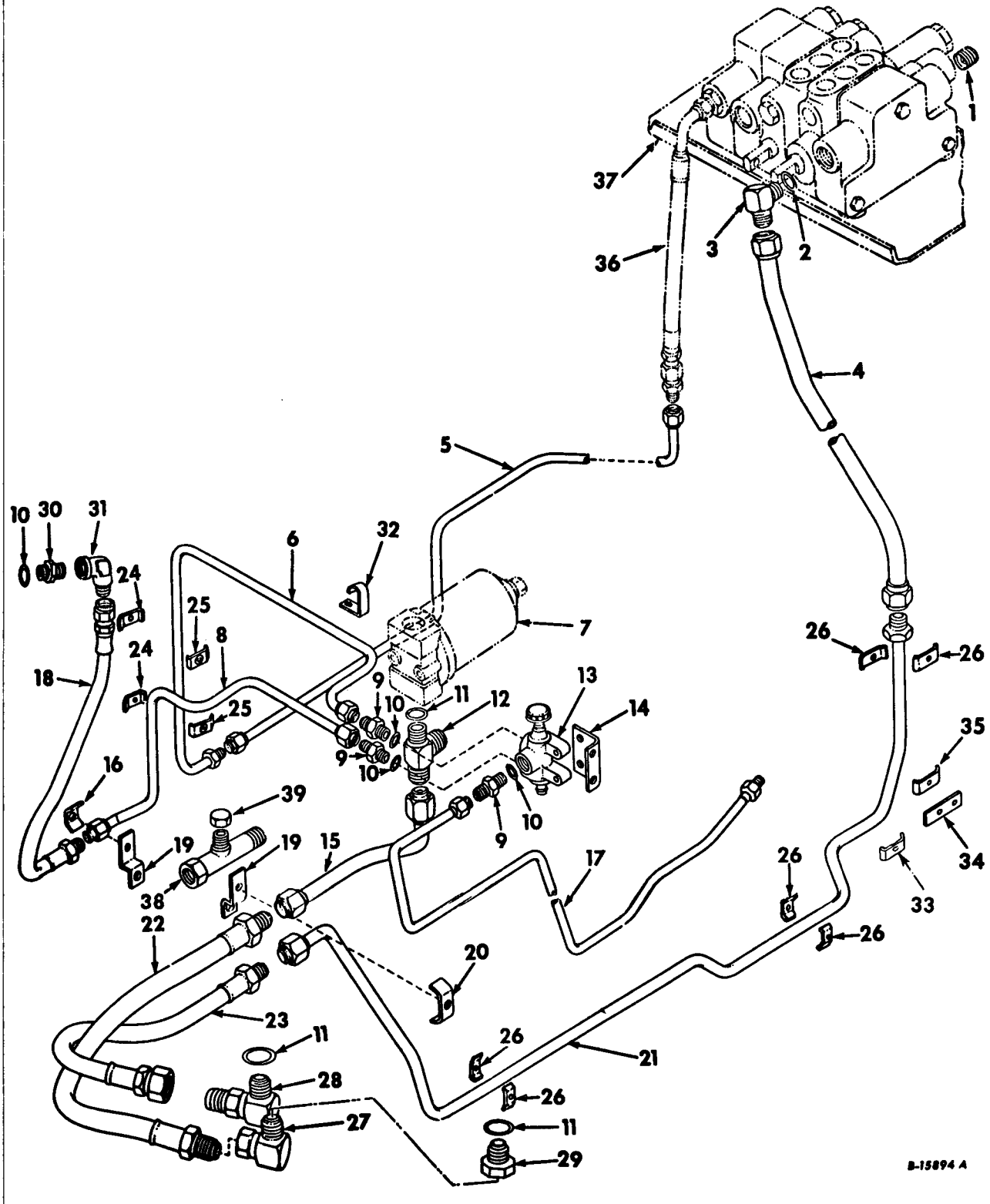
REF. NO.	PART NUMBER	DESCRIPTION

HYDRAULIC CONNECTIONS
-FOR I 3514 AND 3616 LOADER TRACTORS
WITH HYDROSTATIC DRIVE-



-49- SECTION D
3121 BACKHOE
BKH-1

REF. NO.	PART NUMBER	DESCRIPTION

HYDRAULIC CONNECTIONS -CONTINUED
-FOR I 3514 AND 3616 LOADER TRACTORS
WITH HYDROSTATIC DRIVE-

PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 12

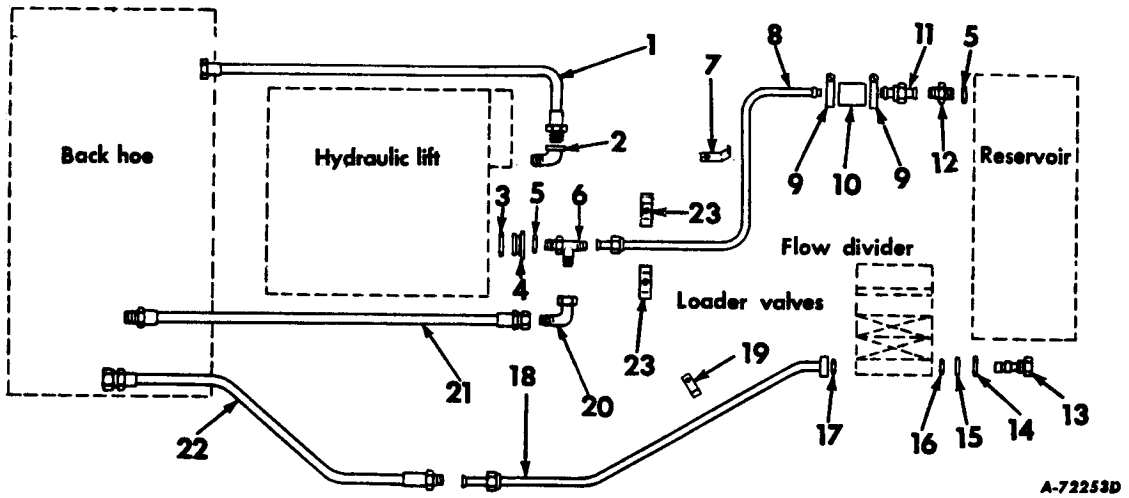
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -CONTINUED -FOR I 3514 AND 3616 LOADER TRACTORS WITH HYDROSTATIC DRIVE-	
1	444 702	PLUG, 1/2-14 AUTOMOTIVE HEX. SOC	
1	444 697	PLUG, 3/8-18 AUTOMOTIVE HEX. SOC	
2	297 459 R1	O-RING, 7/8 OD TUBE	
3	9 410 980	ELBOW, 1-3/16-12 37 DEG HYD FLARED TUBE STR THD 90 DEG	
4	394 439 R11	TUBE ASSY, HYD LOADER VALVE TO BACKHOE PRESSURE TUBE -FOR 3616 TRACTORS-	
4	492 832 R1	PIPE ASSY, PRESSURE TO BACKHOE FRONT -FOR 3514 TRACTORS W/AUXILIARY VALVES-	
4	492 031 R1	PIPE ASSY, PRESSURE TO BACKHOE FRONT -FOR 3514 TRACTORS W/O AUXILIARY VALVES-	
5	480 979 R21	PIPE ASSY, INTERMEDIATE DIVERTER VALVE TO FLOW DIVIDER	
6	480 980 R11	PIPE ASSY, DIVERTER VALVE TO INTERMEDIATE TUBE TO FLOW DIVIDER	
	394 418 R1	HOSE, TUBE CUSHION	
7		OIL FILTER-REFER TO OIL FILTER LISTINGS-	
8	481 732 R11	PIPE ASSY, DIVERTER VALVE TO BACKHOE SWING BOTTOM PORT	
9	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL -3-	
10	364 885 R1	O-RING, 5/8 TUBE -4-	
11	296 247 R1	O-RING, 1-11/16 X 1-13/32 X 7/64 -3-	
12	9 411 135	TEE, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG	
13	389 251 R92	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVES- OPTIONAL WITH 383 946 R91-	
13	383 946 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVES- OPTIONAL WITH 389 251 R92-	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
	180 085	SCREW, 5/16-18 X 1-3/4 C-Z HEX-HD CAP -2-	
	120 214	WASHER, 5/16 C-Z MED LOCK -2-	
14	480 702 R1	BRACKET, DIVERTER VALVE	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
	180 077	SCREW, 5/16-18 X 3/4 C-Z HEX-HD CAP -2-	
	120 214	WASHER, 5/16 C-Z MED LOCK -2-	
15	480 982 R11	PIPE ASSY, BACKHOE RETURN TO FILTER	
16	470 245 R1	CLAMP, TUBE	
	180 178	SCREW, 1/2-13 X 1-5/8 C-Z HEX-HD CAP	
	120 384	WASHER, 1/2 C-Z MED LOCK	
	120 378	NUT, 1/2-13 C-Z HEX.	
17	489 039 R1	TUBE ASSY, DIVERTER VALVE PRESS	
18	477 880 R91	HOSE ASSY, TRACTOR TO BACKHOE -40 IN. LONG-	
19	480 706 R1	BRACKET, BACKHOE TUBES -2-	
	271 562	SCREW, 5/8-11 X 2 C-Z HEX-HD CAP -2-	
20	469 996 R1	CLAMP, BACKHOE TUBES	
	120 378	NUT, 1/2-13 C-Z HEX.	
	180 177	SCREW, 1/2-13 X 1-1/2 C-Z HEX-HD CAP	
	120 384	WASHER, 1/2 C-Z MED LOCK	

3121 BACKHOE -50- SECTION D

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -CONTINUED -FOR I 3514 AND 3616 LOADER TRACTORS WITH HYDROSTATIC DRIVE-	
21	490 664 R2	PIPE ASSY, LOADER TO BACKHOE 22 GPM PRESSURE -FOR 3616 TRACTORS-	
21	492 032 R1	PIPE ASSY, PRESSURE TO BACKHOE REAR -FOR 3514 TRACTORS-	
22	484 898 R91	HOSE ASSY, RETURN BACKHOE TO TRACTOR -54 IN. LONG- -FOR 3616 TRACTORS-	
	271 547	SCREW, 5/8-11 X 1-1/2 C-Z HEX-HD CAP	
22	470 246 R91	HOSE ASSY, RETURN BACKHOE TO TRACTOR -33 INS. LONG- -FOR 3514 TRACTOR-	
23	484 897 R91	HOSE ASSY, 22 GPM PUMP PRESSURE -50 IN. LONG- -FOR 3616 TRACTORS-	
23	394 710 R91	HOSE ASSY, HYDRAULIC -44 IN. LONG- -FOR 3514 TRACTORS-	
24	384 855 R1	CLAMP, HYD TUBE -2-	
25	384 855 R11	CLAMP ASSY, HYD TUBE -2-	
	180 021	SCREW, 1/4-20 X 7/8 C-Z HEX-HD CAP -2-	
	120 380	WASHER, 1/4 C-Z MED LOCK -2-	
26	379 045 R1	CLAMP -6-	
	120 376	NUT, 5/16-18 C-Z HEX. -3-	
	180 086	SCREW, 5/16-18 X 1-7/8 C-Z HEX-HD CAP -3-	
	120 214	WASHER, 5/16 C-Z MED LOCK -3-	
27	9 410 285	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL	
28	9 410 981	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG	
29	481 766 R1	ADAPTER, 1-5/16- 12 37 DEG HYD FLARED	
30	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL	
31	9 410 282	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE 90 DEG SWIVEL	
32	484 782 R1	CLAMP	
33	481 726 R1	CLAMP, TUBE -2-	
Q	399	WASHER, 11/32 X 1 X .06	
	180 086	SCREW, 5/16-18 X 1-7/8 ZND HEX-HD .00 CAP -2-	
	120 214	WASHER, 5/16 C-Z MED LOCK -2-	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
34	400 502 R1	CLAMP, BAR	
	180 083	SCREW, 5/16-18 X 1-1/2 C-Z HEX-HD -2-	
	180 079	SCREW, 5/16-18 X 1 C-Z HEX-HD CAP -2-	
	120 214	WASHER, 5/16 C-Z MED LOCK -2-	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
35	391 478 R2	CLAMP, TUBE	
36		HOSE ASSY, PRESSURE TO LH END COVER -REFER TO TC-112 PARTS CATALOG-	
37		VALVE BANK -REFER TO HYDRAULIC CONTROL VALVES LISTING-	
38	485 314 R2	TEE, SWIVEL RUN REDUCER	
39	9 403 373	CAP, 7/8-14 37 DEG HYD FLARED TUBE	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS -FOR 3414 LOADER TRACTOR W/HYDRAULIC LIFT-



1		470 816 R91	HOSE ASSY, 1/2 X 48-1/2 HYDRAULIC
2		444 044	ELBOW, 1/2-14 AUTO. 90 DEG BRS STREET
3		382 781 R1	O-RING, 1-3/4 X 1-15/16 X 3/32
4		381 777 R1	PLUG, LIFT RETURN
5		296 247 R1	O-RING, 1.171 X .116 -2-
6	9	411 135	TEE, 1-5/16-12 C-Z FLARED TUBE 90 DEG STL
7		384 291 R1	CLAMP, RETURN TUBE
			SCREW, 3/8-16 X 1-1/8 HEX-HD CAP
8		381 778 R11	TUBE ASSY, RETURN
9		39 128 H	CLAMP, HOSE -2-
10		380 521 R1	HOSE, 1 X 3 IN.
11		383 051 R11	TUBE ASSY, RETURN FRONT
12	9	410 207	CONNECTOR, 1-5/16-12 C-Z FLARED TUBE SWIVEL
13		470 583 R1	PLUG, POWER BEYOND -2-
14		364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -5-
15		470 584 R1	WASHER, BACK-UP -2-
16		470 585 R1	O-RING, 1/2 X 11/16 X 3/32
17		382 137 R1	O-RING, 1 X 1-3/16 X 3/32
18		469 783 R11	TUBE ASSY, LOADER VALVE TO AUXILIARY VALVE
		179 840	SCREW, 3/8-16 X 1-1/8 C-Z HEX-HD CAP -2-
		103 321	WASHER, 3/8 C-Z MED LOCK -2-
19		383 122 R1	CLAMP, LOADER VALVE TO AUXILIARY VALVE
20	9	410 285	ELBOW, 1-5/16-12 C-Z FLARED TUBE 90 DEG SWIVEL
21		483 141 R91	HOSE ASSY, HYDRAULIC RETURN
22		481 762 R91	HOSE ASSY, HYDRAULIC - 17 GPM PRESSURE
23		383 120 R1	BRACKET, TUBE -2-
		179 824	SCREW, 5/16 X 1-3/4 HEX-HD CAP
		103 320	WASHER, 5/16 LOCK
		102 634	NUT, 5/16 HEX.

3121 BACKHOE -51- SECTION D

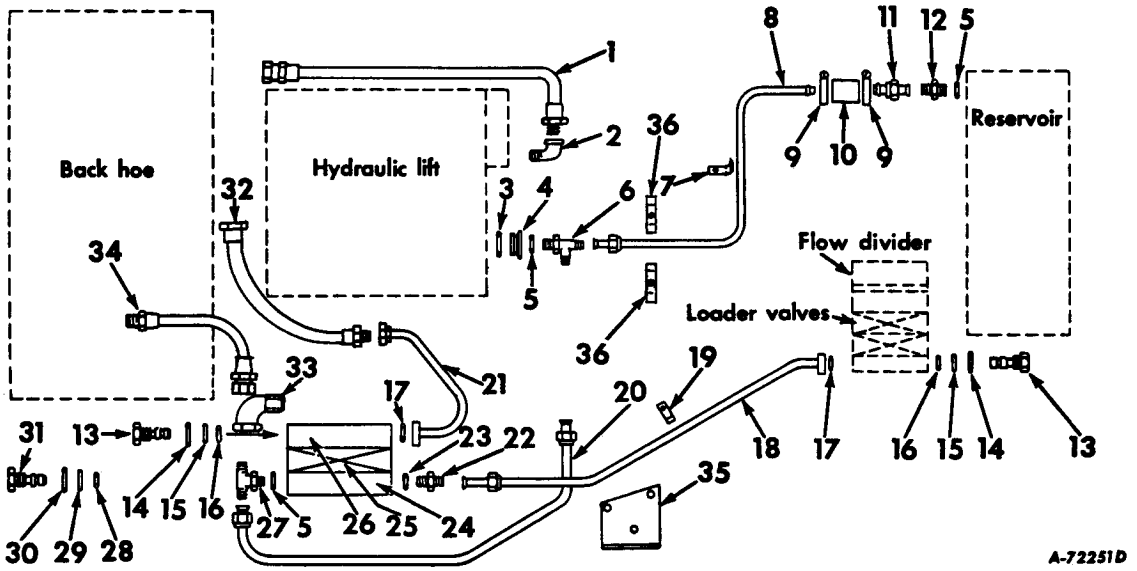
REF. NO. PART NUMBER DESCRIPTION BKH-1

HYDRAULIC CONNECTIONS -FOR 3414 LOADER -CONTINUED TRACTOR W/HYDRAULIC LIFT-

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS -FOR 3414 LOADER TRACTOR W/HYDRAULIC LIFT & AUXILIARY VALVE



1	470 816 R91	HOSE ASSY, 1/2 X 48-1/2 HYDRAULIC	
2	444 044	ELBOW, 1/2-14 AUTO. 90 DEG STREET	
3	382 781 R1	O-RING, 1-3/4 X 1-15/16 X 3/32	
4	381 777 R1	PLUG, LIFT RETURN	
5	296 247 R1	O-RING, 1.171 X .116 -3-	
6	9 411 135	TEE, 1-5/16-12 C-Z FLARED TUBE 90 DEG ADJ	
7	384 291 R1	CLAMP, RETURN TUBE	
		SCREW, 3/8-16 X 1-1/8 HEX-HD CAP	
8	381 778 R11	TUBE ASSY, RETURN	
9	39 128 H	CLAMP, HOSE -2-	
10	380 521 R1	HOSE, 1 X 3 IN.	
11	383 051 R11	TUBE ASSY, RETURN FRONT	
12	9 410 207	CONNECTOR, 1-5/16-12 C-Z FLARED TUBE SWIVEL	
13	470 583 R1	PLUG, POWER BEYOND -2-	
14	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -2-	
15	470 584 R1	WASHER, BACK-UP -2-	
16	470 585 R1	O-RING, 1/2 X 11/16 X 3/32 -2-	
17	382 137 R1	O-RING, 1 X 1-3/16 X 3/32 -2-	
18	469 783 R11	TUBE ASSY, LOADER VALVE TO AUXILIARY VALVE	
		SCREW, 3/8-16 X 1-1/8 C-Z HEX-HD CAP -2-	
		WASHER, 3/8 C-Z MED LOCK -2-	
19	383 122 R1	CLAMP, LOADER VALVE TO AUXILIARY VALVE TUBE	
20	471 116 R11	TUBE ASSY, AUXILIARY VALVE RETURN	

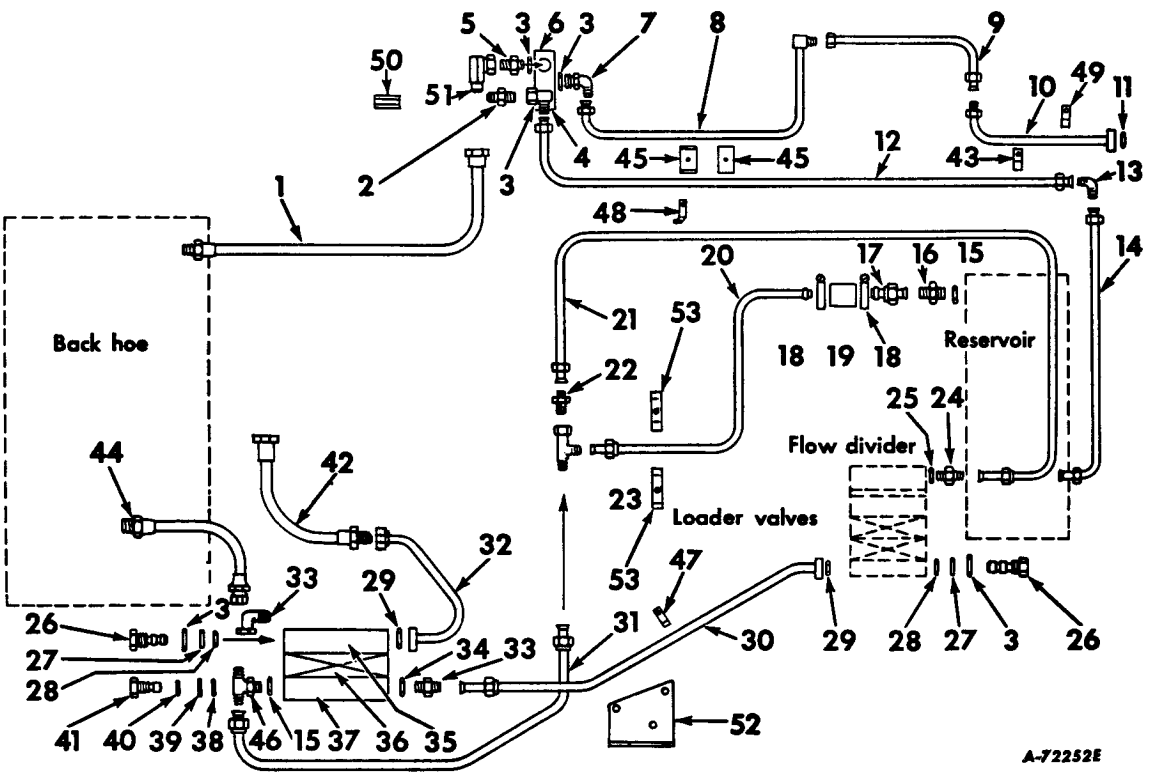
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS -FOR 3414 LOADER -CONTINUED TRACTOR W/HYDRAULIC LIFT & AUXILIARY VALVE

21	483 142 R11	TUBE ASSY, PRESSURE AUXILIARY TO BACKHOE	
		SCREW, 3/8-16 X 1-1/8 C-Z HEX-HD -2-	
		WASHER, 3/8 C-Z MED LOCK -2-	
22	9 410 206	CONNECTOR, 1-3/16-12 C-Z FLARED TUBE	
23	297 459 R1	O-RING, 1.048 X .116	
24	381 143 R1	COVER, PRESSURE END	
		SCREW, 3/8-16 X 1 HEX-HD CAP -3-	
	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32	
	381 884 R1	O-RING, 1 X 1-3/16 X 3/32 -2-	
25	383 271 R92	VALVE ASSY, CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CONTROL VALVES-	
	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32	
	381 884 R1	O-RING, 1 X 1-3/16 X 3/32 -2-	
26	469 782 R3	COVER, CONVERTIBLE END	
	381 784 R1	SCREW, 3/8-16 X 3-3/8 HEX-HD CAP -2-	
	381 783 R1	SCREW, 3/8-16 X 3-7/8 HEX-HD CAP	
27	9 411 122	TEE, 1-5/16-12 C-Z FLARED TUBE ADJ	
28	364 879 R1	O-RING, 7/8 X 1-11/16 X 3/32	
29	378 985 R2	WASHER, BACKUP	
30	383 219 R1	O-RING, 15/16 X 1-1/8 X 3/32	
31	378 899 R1	PLUG, RELIEF VALVE CHAMBER	
32	383 942 R91	HOSE ASSY, 17 GPM PUMP PRESSURE	
33	9 410 285	ELBOW, 1-5/16-12 C-Z FLARED TUBE 90 DEG SWIVEL	
34	383 941 R91	HOSE ASSY, BACKHOE RETURN	
35	381 773 R11	MOUNTING ASSY, AUXILIARY VALVE	
	179 881	SCREW, 1/2-13 X 1 HEX-HD CAP -4-	
36	383 120 R1	BRACKET, TUBE -2-	
	179 824	SCREW, 5/16 X 1-3/4 HEX-HD CAP	
	103 320	WASHER, 5/16 LOCK	
	102 634	NUT, 5/16 HEX.	

HYDRAULIC CONNECTIONS
-FOR 3414 LOADER TRACTOR W/AUXILIARY VALVE

BKH-1



REF. NO.	PART NUMBER	DESCRIPTION
1	338 345 R91	HOSE ASSY, 1/2 X 26-1/2 PRESSURE
2	9 403 217	UNION, 5/8 TUBE
3	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -5-
4	383 943 R91	ELBOW W/SWIVEL, 90 DEG SIDE OUTLET
5	9 410 204	CONNECTOR, 7/8-14 37 DEG C-Z FLARED TUBE SHORT SWIVEL
6	389 251 R92	VALVE ASSY, DIVERTER -OPTIONAL WITH 383 946 R91-
6	383 946 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVES-
	120 376	NUT, 5/16-18 C-Z HEX. -2-
	180 085	SCREW, 5/16-18 X 1-3/4 C-Z HEX-HD CAP -2-
	120 214	WASHER, 5/16 C-Z MED LOCK -2-
7	9 410 978	ELBOW, 7/8-14 37 DEG C-Z FLARED TUBE
8	483 144 R11	TUBE ASSY, 9 GPM PRESSURE DIVERTER VALVE END
9	383 936 R11	TUBE ASSY, 9 GPM PRESSURE CENTER
10	383 937 R92	TUBE ASSY, 9 GPM PRESSURE PUMP END
	138 203	SCREW, 1/4-20 X 1-1/4 HEX-SOC-HD CAP -4-
		WASHER, 1/4 C-Z MED LOCK -4-
11	352 221 R1	O-RING, 9/16 X 3/4 X 3/32

3121 BACKHOE -53- SECTION D

HYDRAULIC CONNECTIONS -CONTINUED
-FOR 3414 LOADER TRACTOR W/AUXILIARY VALVE

BKH-1

REF. NO.	PART NUMBER	DESCRIPTION
12	483 143 R11	TUBE ASSY, POWER STEERING DIVERTING VALVE
13	9 402 944	UNION, 7/8-14 37 DEG C-Z FLARED TUBE
14	391 998 R11	PIPE ASSY, RETURN TO FLOW DIVIDER
15	296 247 R1	O-RING, 1.171 X .116 -2-
16	9 410 207	CONNECTOR, 1-5/16-12 C-Z FLARED TUBE SWIVEL
17	383 051 R11	TUBE ASSY, RETURN FRONT
18	39 128 H	CLAMP, HOSE -2-
19	380 521 R1	HOSE, 1 X 3 IN.
20	381 778 R11	TUBE ASSY, RETURN
21	381 779 R11	TUBE ASSY, FLOW DIVIDER EXCESS
22	381 785 R1	CONNECTOR, TUBE REDUCING
23	9 410 337	TEE, 1-5/16-12 C-Z FLARED TUBE
24	380 632 R1	CONNECTOR, REDUCING
25	368 269 R1	O-RING, .924 X .116
26	470 583 R1	PLUG, POWER BEYOND
27	470 584 R1	WASHER, BACKUP -2-
28	470 585 R1	O-RING, 1/2 X 11/16 X 3/32 -2-
29	283 401 R1	O-RING, 1 X 1-3/16 X 3/32 -2-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -CONTINUED -FOR 3414 LOADER TRACTOR W/AUXILIARY VALVE	
30	469 783 R21	TUBE ASSY, LOADER VALVE TO AUXILIARY VALVE	
	179 840	SCREW, 3/8-16 X 1-1/8 C-Z HEX-HD CAP -2-	
	103 321	WASHER, 3/8 C-Z LOCK -2-	
31	471 116 R11	TUBE ASSY, AUXILIARY VALVE RETURN	
32	483 142 R11	TUBE ASSY, PRESSURE AUXILIARY TO BACKHOE	
	179 840	SCREW, 3/8-16 X 1-1/8 C-Z HEX-HD CAP	
	103 321	WASHER, 3/8 C-Z LOCK -2- -2-	
33	9 410 206	CONNECTOR, 1-3/16-12 37 DEG C-Z HYD FLARED TUBE SWIVEL	
34	297 459 R1	O-RING, 1.048 X .116	
35	469 782 R3	COVER, CONVERTIBLE END	
	381 784 R1	SCREW, 3/8-16 X 3-3/8 HEX-HD CAP -2-	
	381 783 R1	SCREW, 3/8-16 X 3-7/8 HEX-HD CAP	
36	383 271 R92	VALVE ASSY, CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CONTROL VALVES-	
	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32	
	381 884 R1	O-RING, 1 X 1-3/16 X 3/32	
37	381 143 R1	COVER, PRESSURE END	
		SCREW, 3/8-16 X 1 HEX-HD CAP -3-	
	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32	
	381 884 R1	O-RING, 1 X 1-3/16 X 3/32 -2-	
38	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32	
39	378 985 R2	WASHER, BACK-UP	
40	383 219 R1	O-RING, 15/16 X 1-1/8 X 3/32	
41	378 899 R1	PLUG, RELIEF VALVE CHAMBER	
42	383 942 R91	HOSE ASSY, 17 GPM PUMP PRESSURE	
43	381 166 R11	CLAMP ASSY, TUBE	
	138 203	SCREW, 1/4-20 X 1-1/4 HEX-HD CAP -2-	
	120 380	WASHER, 1/4 C-Z MED LOCK -2-	
44	383 941 R91	HOSE ASSY, BACKHOE RETURN	
45	369 758 R1	CLAMP, TUBE -2-	
		NUT, 5/16-18 C-Z HEX.	
		SCREW, 5/16-18 X 1-1/2 C-Z HEX-HD CAP	
	138 538	WASHER, 5/16 C-Z EXTERNAL TOOTH LOCK	
46	9 411 122	TEE, 1-5/16-12 C-Z TUBE ADJUSTABLE	
47	383 122 R1	CLAMP, LOADER VALVE TO AUXILIARY VALVE TUBE	
48	384 291 R1	CLAMP, RETURN TUBE	
		SCREW, 3/8-16 X 1-1/8 HEX-HD CAP	
49	381 166 R1	CLAMP ASSY, TUBE	
50	9 403 373	PLUG, 7/8-14 37 DEG HYD FLARED TUBE	
51	9 410 282	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE 90 DEG SWIVEL	
52	381 773 R11	MOUNTING ASSY, AUXILIARY VALVE	
	179 881	SCREW, 1/2-13 X 1 HEX-HD CAP -4-	
	102 396	WASHER, 17/32 X 1-1/16 X 16 GA C-Z	
53	383 120 R1	BRACKET, TUBE -2-	
	179 824	SCREW, 5/16 X 1-3/4 HEX-HD CAP	
	103 321	WASHER, 5/16 LOCK	
	102 634	NUT, 5/16 HEX.	

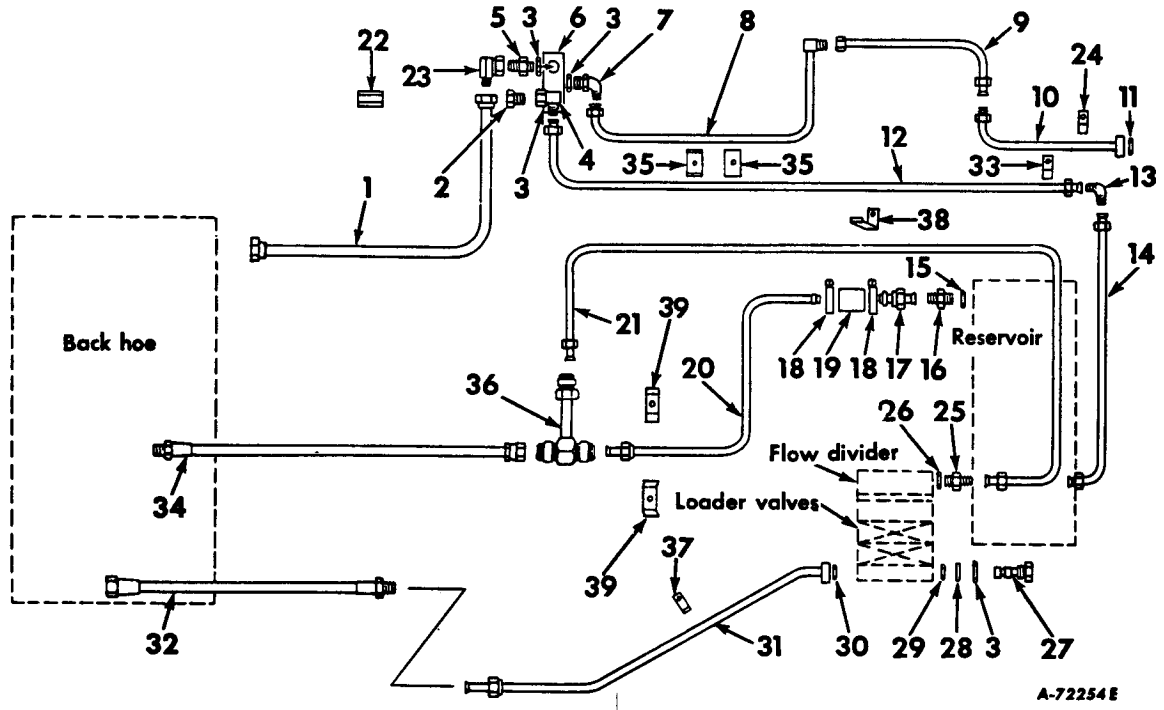
3121 BACKHOE -54- SECTION D

REF. NO. PART NUMBER DESCRIPTION BKH-1

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

HYDRAULIC CONNECTION -FOR 3414 LOADER TRACTOR W/O HYD LIFT AND AUX VALVE-



1		338 345 R91	HOSE ASSY, 1/2 ID X 26-1/2 HYD PRESSURE
2	9	403 217	UNION, 5/8 TUBE
3		364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -4-
4		383 943 R91	ELBOW W/SWIVEL, 90 DEG SIDE OUTLET
5	9	410 204	CONNECTOR, 7/8-14 37 DEG C-Z
6		389 251 R92	VALVE ASSY, DIVERTER -OPTIONAL WITH 383 946 R91-
6		383 946 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVES-
		120 376	NUT, 5/16-18 C-Z HEX. -2-
		180 085	SCREW, 5/16-18 X 1-3/4 C-Z CAP -2-
		120 214	WASHER, 5/16 C-Z MED LOCK -2-
7	9	410 978	ELBOW, 7/8-14 37 DEG C-Z FLARED TUBE
8		483 144 R11	TUBE ASSY, 9 GPM PRESSURE DIVERTER VALVE END
9		383 936 R11	TUBE ASSY, 9 GPM PRESSURE CENTER
10		383 937 R91	TUBE ASSY, 9 GPM PRESSURE PUMP END
		138 203	SCREW, 1/4-20 X 1-1/4 HEX-SOC-HD CAP -4-
			WASHER, 1/4 C-Z LOCK -4-
11		352 221 R1	O-RING, 9/16 X 3/4 X 3/32
12		483 143 R11	TUBE ASSY, POWER STEERING - DIVERTER VALVE
13	9	402 944	UNION, 7/8-14 37 DEG C-Z
14		391 998 R11	PIPE ASSY, RETURN TO FLOW DIVIDER
15		296 247 R1	O-RING, 1 OD TUBE

3121 BACKHOE -55- SECTION D

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

HYDRAULIC CONNECTION -FOR 3414 LOADER -CONTINUED TRACTOR W/O HYD LIFT AND AUX VALVE-

16	9	410 207	CONNECTOR, 1-5/16-12 C-Z FLARED TUBE SWIVEL
17		383 051 R11	TUBE ASSY, RETURN FRONT
18		39 128 H	CLAMP, HOSE -2-
19		380 521 R1	HOSE, 1 X 3 IN.
20		381 778 R11	TUBE ASSY, RETURN
21		381 779 R21	TUBE ASSY, FLOW DIVIDER EXCESS
22	9	403 373	PLUG, 7/8-14 37 DEG HYD FLARED TUBE
23	9	410 282	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE 90 DEG SWIVEL
24		381 166 R1	CLAMP, TUBE
		179 801	SCREW, 1/4-20 X 1-1/2 HEX-HD CAP -2-
		109 084	NUT, 1/4-20 HEX. -2-
25		380 632 R1	CONNECTOR, REDUCING
26		368 269 R1	O-RING, .924 X .116
27		470 583 R1	PLUG, POWER BEYOND
28		470 584 R1	WASHER, BACK-UP
29		470 585 R1	O-RING, 1/2 X 11/16 X 3/32
30		382 137 R1	O-RING, 1 X 3/16 X 3/32
31		469 783 R11	TUBE ASSY, LOADER VALVE TO AUXILIARY VALVE
		179 840	SCREW, 3/8-16 X 1-1/8 C-Z HEX-HD CAP -2-
		103 321	WASHER, 3/8 C-Z MED LOCK -2-
32		481 762 R91	HOSE ASSY, 17 GPM PUMP PRESSURE
33		381 166 R11	CLAMP ASSY, TUBE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTION -FOR 3414 LOADER -CONTINUED	
		TRACTOR W/O HYD LIFT AND AUX VALVE-	
34	483 141 R91	HOSE ASSY, BACKHOE RETURN	
35	369 758 R1	CLAMP, TUBE -2-	
		NUT, 5/16-18 C-Z HEX.	
		SCREW, 5/16 X 1-1/2 C-Z HEX-HD CAP	
		WASHER, 5/16 C-Z EXTERNAL TOOTH LOCK	
36	385 125 R91	FITTING, HYD 37 DEG FLARED TUBE	
37	383 122 R1	CLAMP, LOADER VALVE TO AUXILIARY VALVE TUBE	
38	384 291 R1	CLAMP, RETURN TUBE	
		SCREW, 3/8-16 X 1-1/8 HEX-HD CAP	
39	383 120 R1	BRACKET, TUBE -2-	
	179 824	SCREW, 5/16 X 1-3/4 HEX-HD CAP	
	103 321	WASHER, 5/16 LOCK	
	102 634	NUT, 5/16 HEX.	

3121 BACKHOE -56- SECTION D

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

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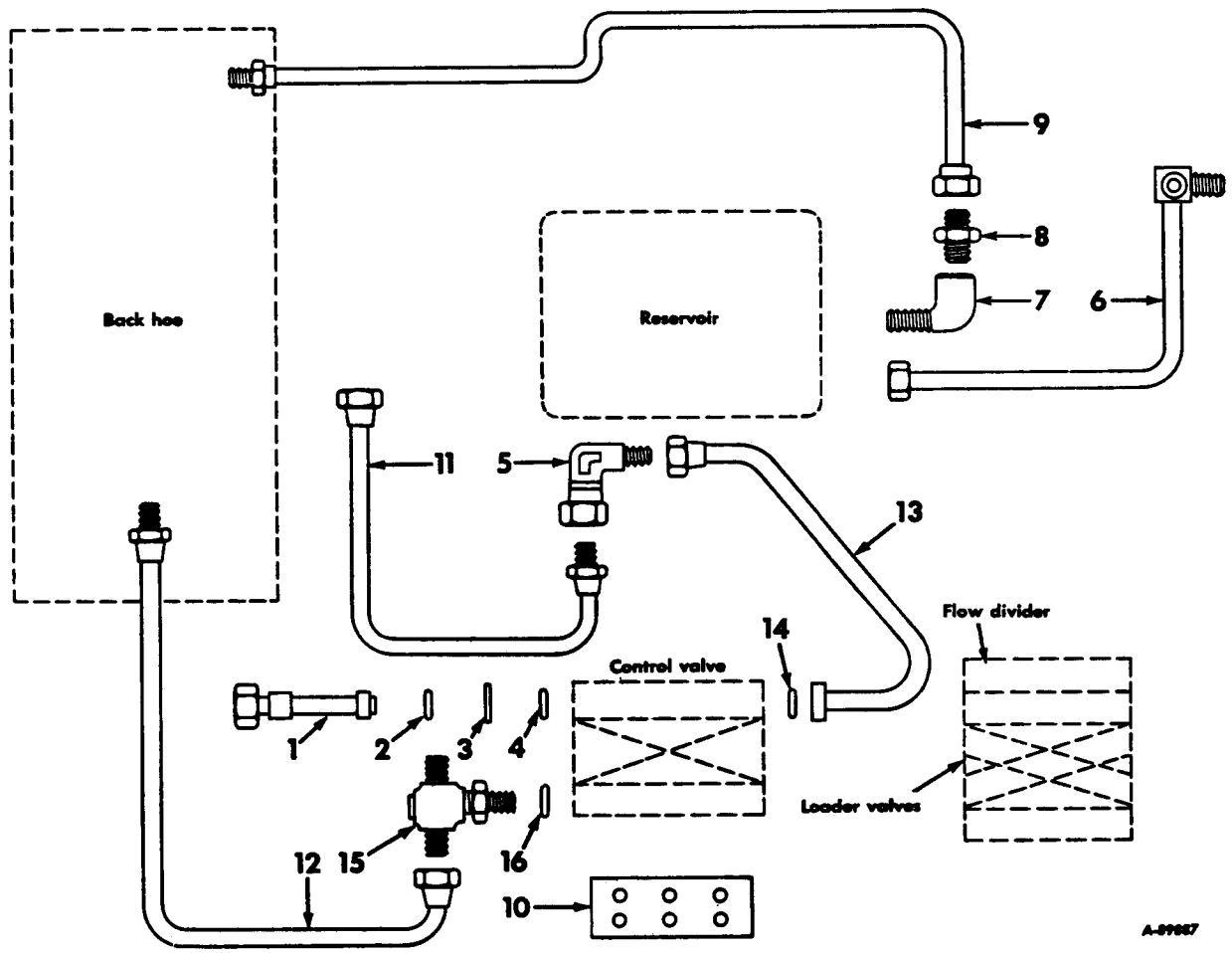
HYDRAULIC CONNECTIONS
-FOR I 3444 TRACTORS W/ HYDRAULIC LIFT AND W/ AUXILIARY VALVE-

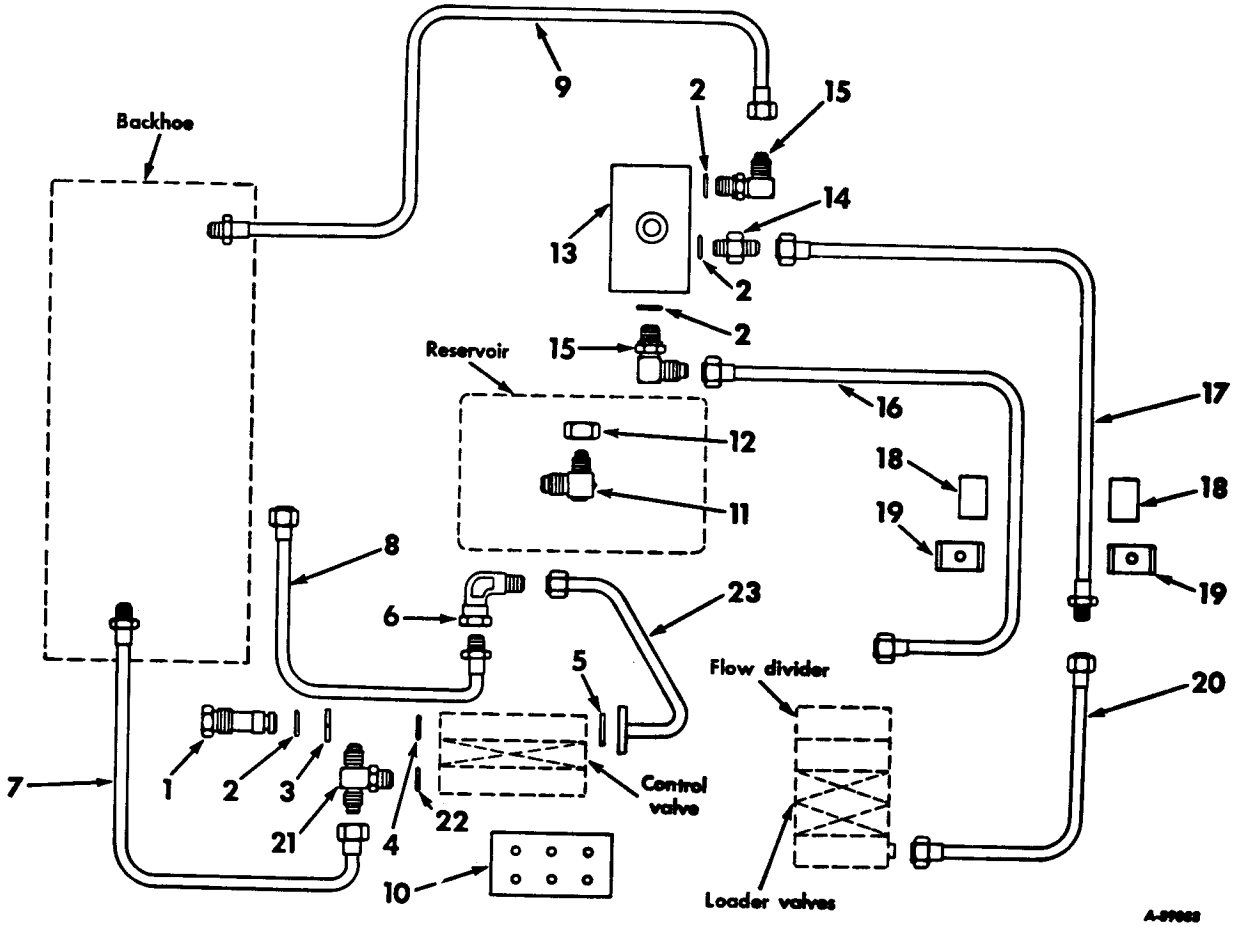


REF. NO.	PART NUMBER	DESCRIPTION
1	470 583 R1	PLUG FOR BLOCKING BY PASS -USED ON VALVE END COVER-
2	364 885 R1	O-RING, 5/8 OD TUBE
3	470 584 R1	WASHER, BACK-UP
4	470 585 R1	O-RING, 1/2 X 11/16 X 3/32
5	9 410 284	ELBOW, 1-3/16-12 37 DEG FLARED TUBE 90 DEG SWIVEL
6	399 584 R1	TUBE ASSY, RETURN FROM LOADER
7	444 375	ELBOW, 1/2-14 90 DEG STEEL AUTOMOTIVE PIPE STREET
8	9 402 710	CONNECTOR, 5/8 TO 1/2 PIPE REDUCING
9	485 315 R1	HOSE ASSY, HYD
10	393 824 R1	PLATE, RH LOWER FENDER BRACKET
	180 175	SCREW, 1/2-13 X 1-1/4 C-Z HEX-HD CAP -8-
11	383 942 R91	HOSE ASSY, 17 GPM PUMP PRESSURE
12	383 941 R91	HOSE ASSY, BACKHOE RETURN
13	483 142 R11	TUBE ASSY, PRESSURE AUXILIARY TO BACKHOE
	179 840	SCREW, 3/8-16 X 1-1/8 HEX-HD CAP -2-
	103 321	WASHER, 3/8 MED LOCK -2-
14	382 137 R1	O-RING, 1 X 1-3/16 X 3/32
15	9 411 122	TEE, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ STR THD
16	296 247 R1	O-RING, 1 IN. OD TUBE

3121 BACKHOE -57- SECTION D
BKH-1
HYDRAULIC CONNECTIONS -CONTINUED
-FOR I 3444 TRACTORS W/ HYDRAULIC LIFT AND W/ AUXILIARY VALVE-

PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 12

HYDRAULIC CONNECTIONS
-FOR I 3444 TRACTORS W/D HYDRAULIC LIFT AND W/ AUXILIARY VALVE-



REF. NO.	PART NUMBER	DESCRIPTION
1	470 583 R1	PLUG FOR BLOCKING BY PASS -USED ON VALVE END COVER-
2	364 885 R1	O-RING, 5/8 OD TUBE -4-
3	470 584 R1	WASHER, BACK-UP
4	470 585 R1	O-RING, 1/2 X 11/16 X 3/32
5	382 137 R1	O-RING, 1 X 1-3/16 X 3/32
6	9 410 284	ELBOW, 1-3/16-12 37 DEG FLARED TUBE 90 DEG SWIVEL
7	483 141 R91	HOSE ASSY, HYD RETURN
8	481 762 R91	HOSE ASSY, HYD 17 GPM PRESSURE
9	485 315 R1	HOSE ASSY, HYD
10	393 824 R1	PLATE, RH LOWER FENDER BRACKET
	180 175	SCREW, 1/2-13 X 1-1/4 C-Z HEX-HD CAP -8-
11	399 575 R1	TEE, 7/8-14 & 1-5/16-12 MALE & FEMALE
12	9 403 373	CAP, 7/8-14 37 DEG FLARED FEMALE

HYDRAULIC CONNECTIONS -CONTINUED
-FOR I 3444 TRACTORS W/D HYDRAULIC LIFT AND W/ AUXILIARY VALVE-

REF. NO.	PART NUMBER	DESCRIPTION
13	383 946 R91	VALVE ASSY, DIVERTER -OPTIONAL W/389 251 R92-
13	389 251 R92	VALVE ASSY, DIVERTER -OPTIONAL W/383 946 R91- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVES-
	180 085	SCREW, 5/16-18 X 1-3/4 C-Z HEX-HD CAP -2-
	120 214	WASHER, 5/16 C-Z MED LOCK -2-
	120 376	NUT, 5/16-18 C-Z HEX. -2-
14	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED SHORT TUBE SWIVEL
15	9 410 978	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE 90 DEG -2-
16	399 588 R1	TUBE ASSY, FROM PUMP PRESSURE TUBE TO DIVERTER VALVE
17	399 590 R1	TUBE ASSY, DIVERTER VALVE TO FLOW DIVIDER TUBE
18	394 418 R1	BUSHING, RUBBER COVER -2-

REF. NO.	PART NUMBER	DESCRIPTION
		HYDRAULIC CONNECTIONS -CONTINUED -FOR I 3444 TRACTORS W/O HYDRAULIC LIFT AND W/ AUXILIARY VALVE-
19	391 478 R2	CLAMP, HYD MANIFOLD PIPE -2-
	17 470 R1	BOLT, 5/16 X 1-1/2 HEX-HD MACH
	103 320	WASHER, 5/16 MED LOCK
	120 634	NUT, 5/16-18 HEX.
20	399 573 R1	TUBE ASSY, FLOW DIVIDER TO DIVERTER VALVE
21	9 411 122	TEE, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ STR THD
22	296 247 R1	O-RING, 1 IN. OD TUBE
23	483 142 R11	TUBE ASSY, PRESSURE AUXILIARY TO BACKHOE
	179 840	SCREW, 3/8-16 X 1-1/8 HEX-HD CAP -2-
	103 321	WASHER, 3/8 MED LOCK -2-

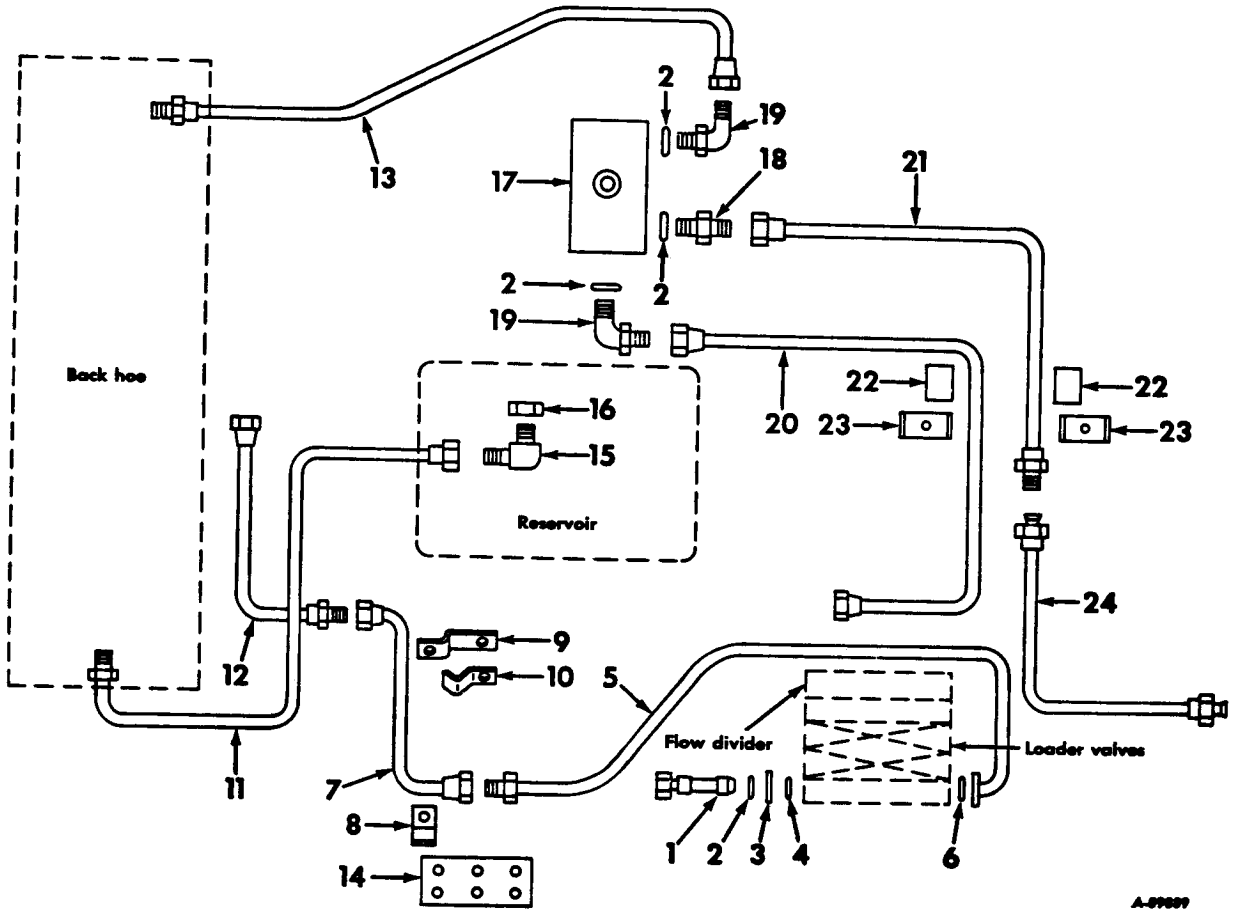
-59- SECTION D
3121 BACKHOE
BKH-1

REF. NO.	PART NUMBER	DESCRIPTION

PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 12

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

HYDRAULIC CONNECTIONS
-FOR I 3444 TRACTORS W/O HYDRAULIC LIFT AND W/O AUXILIARY VALVE-



REF. NO.	PART NUMBER	DESCRIPTION
1	470 583 R1	PLUG FOR BLOCKING BY PASS -USED ON VALVE END COVER-
2	364 885 R1	O-RING, 5/8 OD TUBE -4-
3	470 584 R1	WASHER, BACK-UP
4	470 585 R1	O-RING, 1/2 X 11/16 X 3/32
5	399 582 R1	TUBE ASSY, POWER BEYOND FROM LOADER VALVE
	179 840	SCREW, 3/8-16 X 1-1/8 HEX-HD CAP -2-
	103 321	WASHER, 3/8 MED LOCK -2-
6	382 137 R1	O-RING, 1 X 1-3/16 X 3/16
7	399 586 R1	TUBE ASSY, POWER BEYOND
	570 812 R1	WASHER, 15/32 X 3 X 16 GA
8	399 580 R1	SUPPORT, POWER BEYOND TUBE
	17 426 R1	BOLT, 3/8 X 1 HEX-HD MACH
	102 635	NUT, 3/8-16 HEX.
	103 321	WASHER, 3/8 MED LOCK
9	399 581 R1	BRACKET, POWER BEYOND TUBE
10	399 576 R1	CLAMP, POWER BEYOND TUBE
	20 750 R1	BOLT, 3/8 X 7/8 HEX-HD MACH
	103 321	WASHER, 3/8 MED LOCK

3121 BACKHOE -60- SECTION D

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

HYDRAULIC CONNECTIONS -CONTINUED
-FOR I 3444 TRACTORS W/O HYDRAULIC LIFT AND W/O AUXILIARY VALVE-

REF. NO.	PART NUMBER	DESCRIPTION
11	483 141 R91	HOSE ASSY, HYD RETURN
12	481 762 R91	HOSE ASSY, HYD 17 GPM PRESSURE
13	485 315 R1	HOSE ASSY, HYD
14	393 824 R1	PLATE, RH LOWER FENDER BRACKET
	180 175	SCREW, 1/2-13 X 1-1/4 C-Z HEX-HD CAP -8-
15	399 575 R1	TEE, 7/8-14 & 1-5/16-12 MALE & FEMALE
16	9 403 373	CAP, 7/8-14 37 DEG FLARED FEMALE
17	383 946 R91	VALVE ASSY, DIVERTER -OPTIONAL W/389 251 R92-
17	389 251 R92	VALVE ASSY, DIVERTER -OPTIONAL W/383 946 R91- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVES-
	180 085	SCREW, 5/16-18 X 1-3/4 C-Z HEX-HD CAP -2-
	120 214	WASHER, 5/16 C-Z MED LOCK -2-
	120 376	NUT, 5/16-18 C-Z HEX. -2-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -CONTINUED -FOR I 3444 TRACTORS W/O HYDRAULIC LIFT AND W/O AUXILIARY VALVE-	
18	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED SHORT TUBE SWIVEL	
19	9 410 978	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE 90 DEG -2-	
20	399 588 R1	TUBE ASSY, FROM PUMP PRESSURE TUBE TO DIVERTER VALVE	
21	399 590 R1	TUBE ASSY, DIVERTER VALVE TO FLOW DIVIDER TUBE	
22	394 418 R1	BUSHING, RUBBER COVER -2-	
23	391 478 R2	CLAMP, HYD MANIFOLD PIPE -2-	
23	470 976 R1	CLAMP, TUBE -TRACTORS W/O BACKHOE HYDRAULIC ATTACHMENT-	
	17 470 R1	BOLT, 5/16 X 1-1/2 HEX-HD MACH	
	120 634	NUT, 5/16-18 HEX.	
	103 320	WASHER, 5/16 MED LOCK	
24	399 573 R1	TUBE ASSY, FLOW DIVIDER TO DIVERTER VALVE	

3121 BACKHOE -61- SECTION D

REF. NO. PART NUMBER DESCRIPTION BKH-1

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

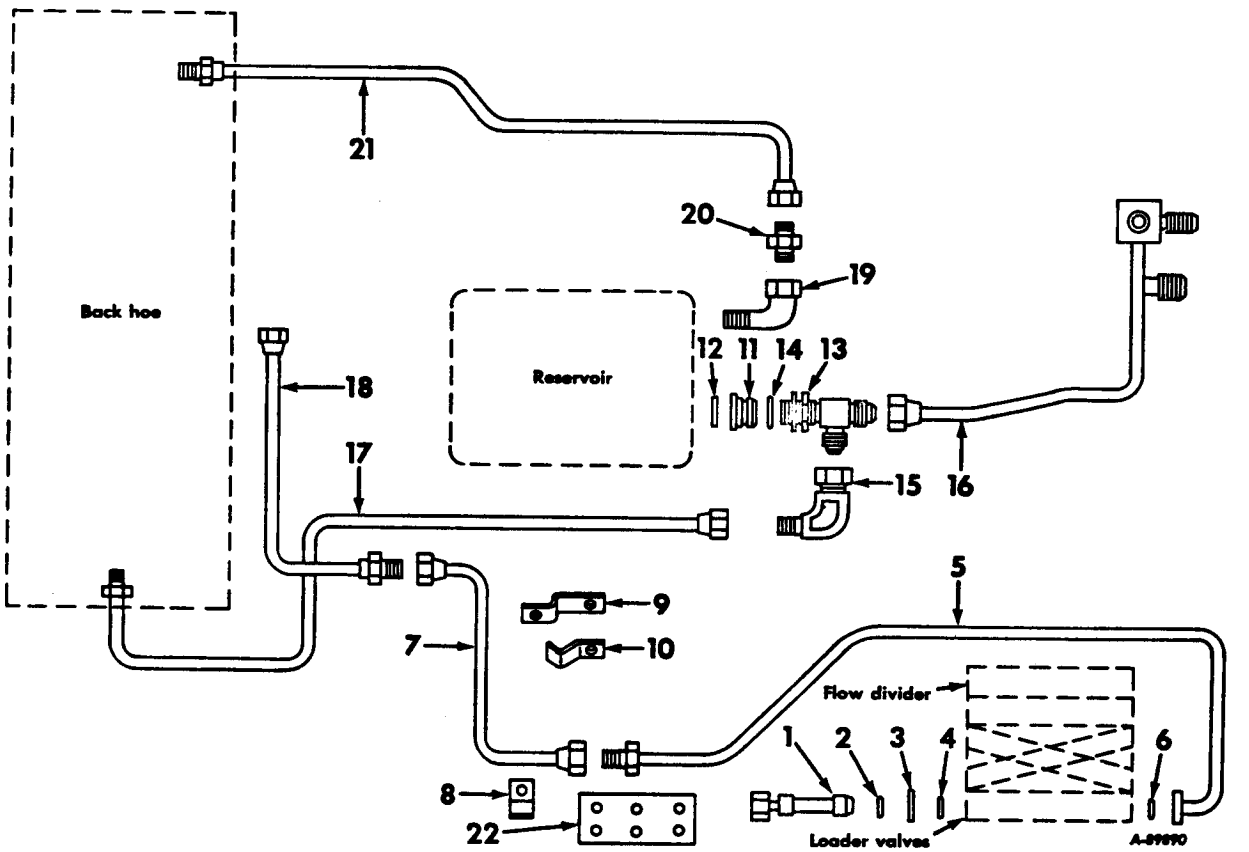
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS
-FOR I 3444 TRACTORS W/ HYDRAULIC LIFT AND W/O AUXILIARY VALVE-

3121 BACKHOE -62- SECTION D

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS -CONTINUED
-FOR I 3444 TRACTORS W/ HYDRAULIC LIFT AND W/O AUXILIARY VALVE-



1	470 583 R1	PLUG FOR BLOCKING BY PASS -USED ON VALVE END COVER-	
2	364 885 R1	O-RING, 5/8 OD TUBE	
3	470 584 R1	WASHER, BACK-UP	
4	470 585 R1	O-RING, 1/2 X 11/16 X 3/32	
5	399 582 R1	TUBE ASSY, POWER BEYOND FROM LOADER VALVE	
	179 840	SCREW, 3/8-16 X 1-1/8 HEX-HD CAP	-2-
	103 321	WASHER, 3/8 MED LOCK	-2-
6	382 137 R1	O-RING, 1 X 1-3/16 X 3/16	
7	399 586 R1	TUBE ASSY, POWER BEYOND	
8	399 580 R1	SUPPORT, POWER BEYOND TUBE	
	17 426 R1	BOLT, 3/8 X 1 HEX-HD MACH	
	102 635	NUT, 3/8-16 HEX.	
	103 321	WASHER, 3/8 MED LOCK	
9	399 581 R1	BRACKET, POWER BEYOND TUBE	
10	399 576 R1	CLAMP, POWER BEYOND TUBE	
	20 750 R1	BOLT, 3/8 X 7/8 HEX-HD MACH	
	102 635	NUT, 3/8-16 HEX.	
	103 321	WASHER, 3/8 MED LOCK	
11	381 777 R1	PLUG, HITCH RETURN	
12	382 781 R1	O-RING, 1-3/4 X 1-15/16 X 3/32	
13	399 579 R2	TEE, PRESSURE RETURN	
14	296 247 R1	O-RING, 1 OD TUBE	
15	9 410 285	ELBOW, 1-5/16-12 37 DEG FLARED TUBE 90 DEG SWIVEL	
16	399 584 R1	TUBE ASSY, RETURN FROM LOADER	
17	483 141 R91	HOSE ASSY, HYD RETURN	
18	481 762 R91	HOSE ASSY, HYD 17 GPM PRESSURE	
19	444 375	ELBOW, 1/2-14 90 DEG STEEL AUTOMOTIVE PIPE STREET	
20	9 402 710	CONNECTOR, 5/8 TO 1/2 PIPE REDUCING	
21	485 315 R1	HOSE ASSY, HYD	
22	393 824 R1	PLATE, RH LOWER FENDER BRACKET	
	180 175	SCREW, 1/2-13 X 1-1/4 C-Z HEX-HD CAP	-10-
	120 378	NUT, 1/2-13 C-Z HEX.	-2-

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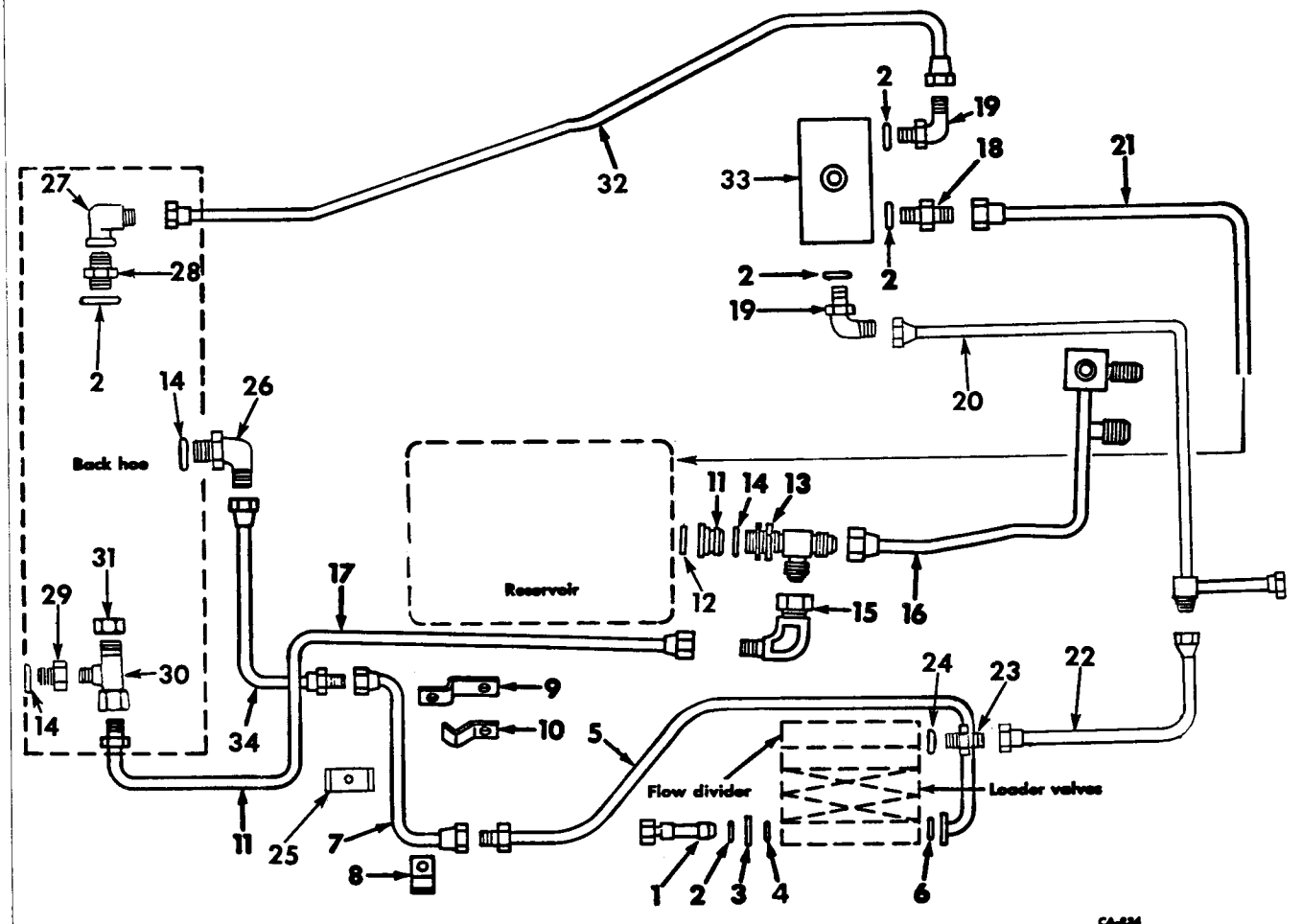
HYDRAULIC CONNECTIONS
-FOR I 3444 TRACTORS W/ HYDRAULIC LIFT, DIVERTER VALVE AND W/O AUXILIARY VALVE-



REF. NO.	PART NUMBER	DESCRIPTION
1	470 583 R1	PLUG FOR BLOCKING BY PASS -USED ON VALVE END COVER-
2	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -5-
3	470 584 R1	WASHER, BACK-UP
4	470 585 R1	O-RING, 1/2 X 11/16 X 3/32
5	399 582 R1	TUBE ASSY, POWER BEYOND FROM LOADER VALVE
	179 840	SCREW, 3/8-16 X 1-1/8 HEX-HD CAP -2-
	103 321	WASHER, 3/8 MED LOCK -2-
6	382 137 R1	O-RING, 1 X 1-3/16 X 3/16
7	399 586 R1	TUBE ASSY, POWER BEYOND
8	468 256 R1	CLAMP, PRESSURE TUBE
	570 812 R1	WASHER, 15/32 X 3 X 16 GA
9	399 581 R1	BRACKET, POWER BEYOND TUBE
10	399 576 R1	CLAMP, POWER BEYOND TUBE
	102 635	NUT, 3/8-16 HEX.
	180 121	SCREW, 3/8-16 X 7/8 ZND HEX-HD CAP
	103 321	WASHER, 3/8 MED LOCK
11	381 777 R1	PLUG, HITCH RETURN

-63- SECTION D
3121 BACKHOE
BKH-1

HYDRAULIC CONNECTIONS -CONTINUED
-FOR I 3444 TRACTORS W/ HYDRAULIC LIFT, DIVERTER VALVE AND W/O AUXILIARY VALVE-

REF. NO.	PART NUMBER	DESCRIPTION
12	382 781 R1	O-RING, 1-3/4 X 1-15/16 X 3/32
13	399 579 R2	TEE, PRESSURE RETURN
14	296 247 R1	O-RING, 1-11/16 X 1-13/32 X 7/64 -3-
15	9 410 285	ELBOW, 1-5/16-12 37 DEG FLARED TUBE 90 DEG SWIVEL
16	399 584 R1	TUBE ASSY, RETURN FROM LOADER
17	483 141 R91	HOSE ASSY, HYD RETURN
18	481 352 R1	CONNECTOR, 7/8-14 STR THD TO 37 DEG 3/4-14 HYD FLARED TUBE REDUCING
19	9 410 978	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE 90 DEG -2-
20	403 304 R1	TUBE ASSY, FROM PUMP PRESSURE TUBE TO DIVERTER VALVE
21	403 306 R1	TUBE ASSY, DIVERTER VALVE TO HITCH
22	403 305 R1	TUBE ASSY, FLOW DIVIDER EXCESS
23	573 206 R1	CONNECTOR, PRESSURE TUBE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -CONTINUED -FOR I 3444 TRACTORS W/ HYDRAULIC LIFT, DIVERTER VALVE AND W/O AUXILIARY VALVE-	
24	368 269 R1	O-RING, 59/64 X 1-1/16 X 7/64	
25	470 976 R1	CLAMP, TUBE	
	102 634	NUT, 5/16-18 HEX.	
	179 822	SCREW, 5/16-18 X 1-1/2 HEX-HD CAP	
	103 320	WASHER, 5/16 MED LOCK	
26	9 410 981	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG	
27	9 410 282	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE 90 DEG SWIVEL	
28	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED SHORT TUBE SWIVEL	
29	481 766 R1	ADAPTER, 1-5/16-12 37 DEG HYD FLARED	
30	9 410 337	TEE, 1-5/16-12 C-Z 37 DEG FLARED TUBE 90 DEG SWIVEL	
31	9 403 373	CAP, 7/8-14 37 DEG FLARED FEMALE	
32	485 315 R1	HOSE ASSY, HYDRAULIC	
33	389 251 R92	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVE-	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
	180 085	SCREW, 5/16-18 X 1-3/4 C-Z HEX-HD CAP -2-	
	120 214	WASHER, 5/16 C-Z MED LOCK -2-	
34	481 762 R91	HOSE ASSY, HYD 17 GPM PRESSURE	

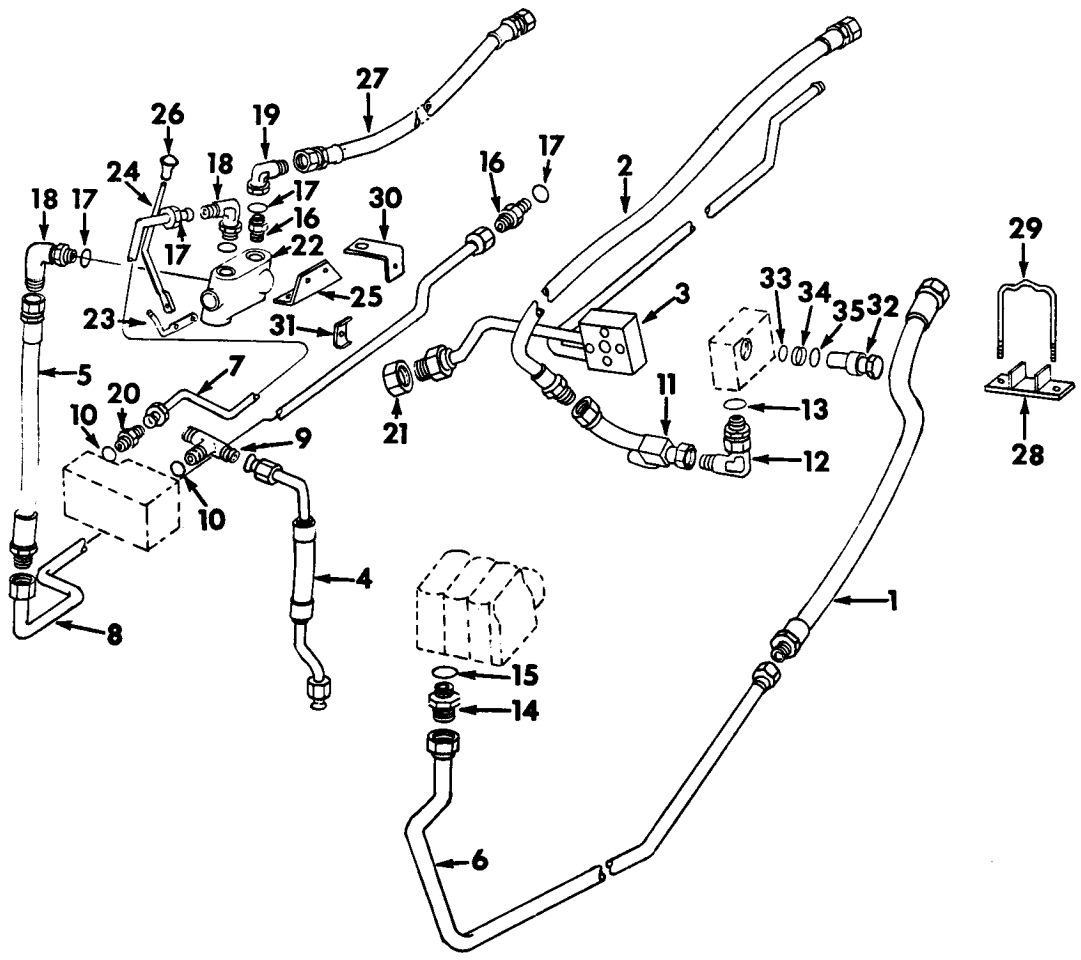
3121 BACKHOE -64- SECTION D

REF. NO. PART NUMBER DESCRIPTION BKH-1

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC TUBING FOR MOUNTING BACKHOE ON 2544 TRACTORS WITH GEAR DRIVE-



CA-918

1	394 710 R91	HOSE ASSY, 3/4 X 44 IN. LONG	
2	470 246 R91	HOSE ASSY, 1 IN. X 33 IN. LONG	
3	491 789 R1	MANIFOLD ASSY, DRAFT CONTROL POWER SUPPLY	
4	491 801 R1	HOSE ASSY, PUMP TO FLOW DIVIDER	
5	491 802 R1	HOSE ASSY, PRESSURE TUBE TO DIVERTER VALVE	
6	491 803 R1	TUBE ASSY, LOADER VALVE TO BACKHOE	
7	491 804 R1	TUBE ASSY, DIVERTER VALVE TO FLOW DIVIDER	
8	491 805 R1	TUBE ASSY, PUMP TO DIVERTER VALVE	
9	9 411 120	TEE, 1-1/16-12 37 DEG HYD FLARED TUBE ADJ STR THD	
10	368 269 R1	O-RING, 3/4 OD TUBE -2-	
11	479 358 R91	TEE ASSY, DUMP LINE	
12	9 410 981	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG	
13	296 247 R1	O-RING, 1 IN. OD TUBE	
14	9 410 206	UNION, 1-3/16-12 37 DEG HYD FLARED TUBE SHORT SWIVEL	

3121 BACKHOE -65- SECTION D

REF. NO. PART NUMBER DESCRIPTION BKH-1

HYDRAULIC TUBING FOR MOUNTING BACKHOE -CONTINUED ON 2544 TRACTORS WITH GEAR DRIVE-

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC TUBING FOR MOUNTING BACKHOE ON 2544 TRACTORS WITH GEAR DRIVE- -CONTINUED	
15	297 459 R1	O-RING, 7/8 OD TUBE	
16	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL -2-	
17	364 885 R1	O-RING, 5/8 OD TUBE -5-	
18	9 410 978	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG -2-	
19	9 410 282	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL	
20	573 206 R1	CONNECTOR, 7/8-14 TO 1-1/16-12 HYD	
21	9 403 373	CAP, 7/8-14 37 DEG HYD FLARED TUBE	
	470 583 R1	PLUG, POWER BEYOND	
22	478 887 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVE-	
	180 086	SCREW, 5/16-18 X 1-7/8 ZND HEX-HD CAP -2-	
	120 214	WASHER, 5/16 C-Z MED LOCK -2-	
	120 376	NUT, 5/1L-18 C-Z HEX. -2-	
23	478 886 R1	SUPPORT, DIVERTER VALVE LEVER	
24	478 885 R3	LEVER, DIVERTER VALVE	
	669 546 R1	PIN, LEVER	
	19 754 R1	PIN, 5/64 X 7/16 COT.	
25	474 478 R1	BASE, DIVERTER VALVE	
	587 372 R91	LINK, CHAIN ASSY	
26	53 717 DA	KNOB, DIVIDER VALVE LEVER	
27	338 345 R91	HOSE ASSY, PRESSURE	
28	492 011 R1	CLAMP ASSY, TUBE BLOCK	
29	492 014 R1	CLAMP, TUBE	
	120 382	WASHER, 3/8 ZNC MED LOCK -2-	
	120 377	NUT, 3/8-16 ZNC HEX. -2-	
30	493 697 R1	BRACKET, PUMP TO DIVERTER VALVE	
	271 763	SCREW, 3/4-10 X 1 ZND HEX-HD CAP	
31	381 426 R1	CLAMP, PRESSURE LINE	
	180 033	SCREW, 1/4-20 X 1-3/8 ZND HEX-HD CAP	
	120 380	WASHER, 1/4 C-Z MED LOCK	
	120 375	NUT, 1/4-20 C-Z HEX.	
32	388 208 R93	VALVE ASSY, PILOT OPERATED RELIEF -TRACTORS W/2000 LOADER- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF PILOT RELIEF VALVE-	
33	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32	
34	378 985 R2	WASHER, BACK-UP	
35	383 219 R1	O-RING, 15/16 X 1-1/8 X 3/32	

3121 BACKHOE -66- SECTION D

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

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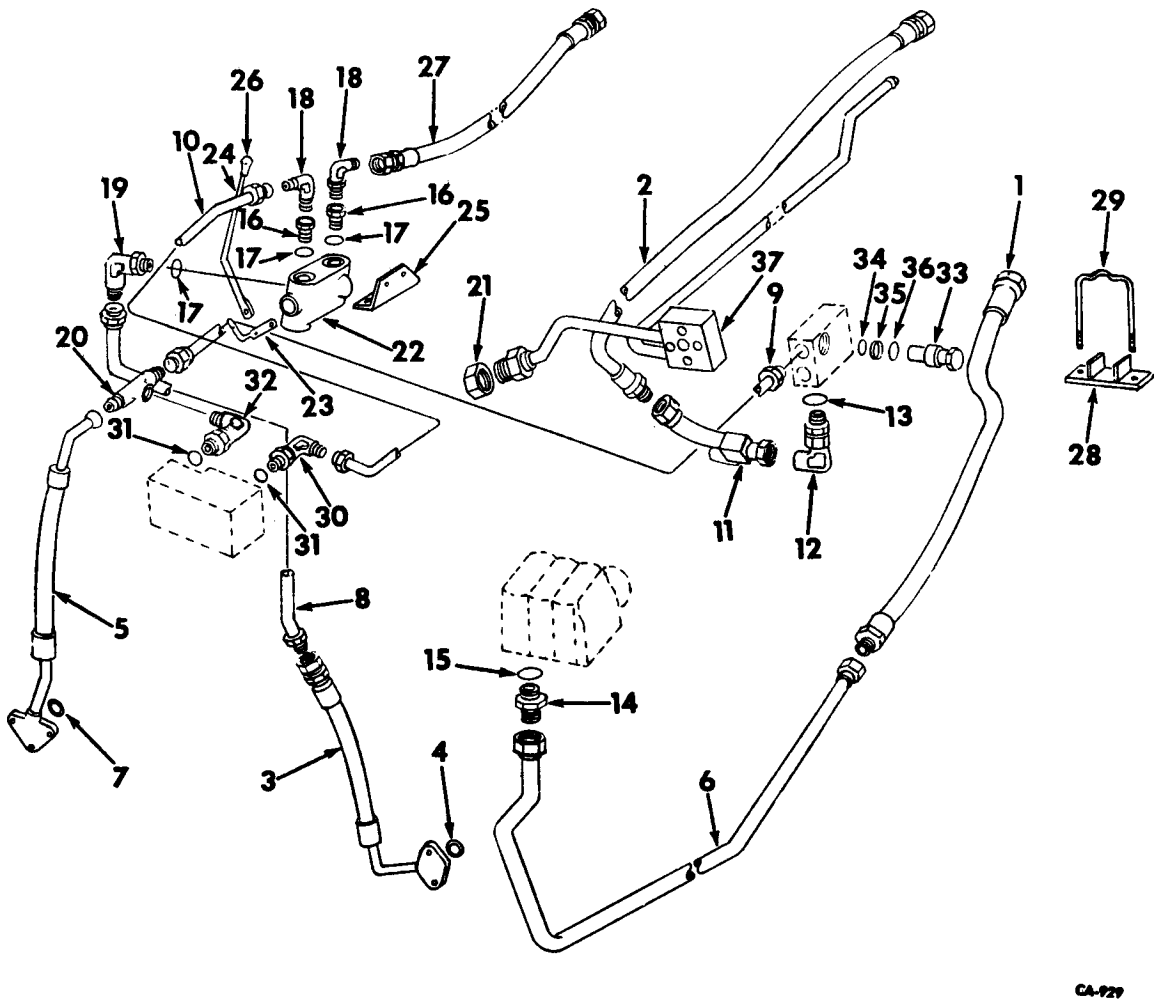
REVISION NO. 12

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

HYDRAULIC TUBING FOR MOUNTING BACKHOE ON 2544 TRACTOR W/HYDROSTATIC DRIVE-



CA-929

1	394 710 R91	HOSE ASSY, 3/4 X 44 IN. LONG	
2	470 246 R91	HOSE ASSY, 1 IN. X 33 IN. LONG	
3	541 328 R1	HOSE ASSY, SMALL PUMP TO DIVERTER VALVE TUBE	
4	352 221 R1	O-RING, 9/16 X 3/4 X 3/32	
5	541 329 R1	HOSE ASSY, LARGE PUMP TO FLOW DIVIDER TEE	
6	491 803 R1	TUBE ASSY, LOADER VALVE TO BACKHOE	
7	369 908 R1	O-RING	
8	541 330 R1	TUBE ASSY, DIVERTER VALVE TO SMALL PUMP	
9	540 331 R1	TUBE ASSY, FLOW DIVIDER TO AUX. VALVE	
10	541 334 R1	TUBE ASSY, FLOW DIVIDER TO DIVERTER VALVE	
11	479 358 R91	TEE ASSY, DUMP LINE	
12	9 410 981	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG	
13	296 247 R1	O-RING, 1 IN. OD TUBE	
14	9 410 206	UNION, 1-3/16-12 37 DEG HYD FLARED TUBE SHORT SWIVEL	

3121 BACKHOE -67- SECTION D

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

HYDRAULIC TUBING FOR MOUNTING BACKHOE -CONTINUED ON 2544 TRACTOR W/HYDROSTATIC DRIVE-

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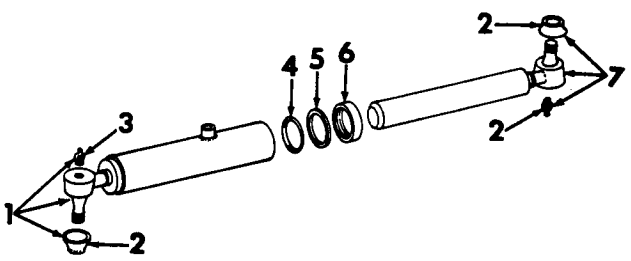
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC TUBING FOR MOUNTING BACKHOE -CONTINUED ON 2544 TRACTOR W/HYDROSTATIC DRIVE-	
15	297 459 R1	O-RING, 7/8 OD TUBE	
16	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL -2-	
17	364 885 R1	O-RING, 5/8 OD TUBE -5-	
18	9 410 978	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG -2-	
19	9 410 282	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL	
20	541 332 R1	TEE ASSY, FLOW DIVIDER	
21	9 403 373	CAP, 7/8-14 37 DEG HYD FLARED TUBE	
	470 583 R1	PLUG, POWER BEYOND	
22	478 887 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVE-	
	180 086	SCREW, 5/16-18 X 1-7/8 ZND HEX-HD CAP -2-	
	120 214	WASHER, 5/16 C-Z MED LOCK -2-	
	120 376	NUT, 5/1L-18 C-Z HEX. -2-	
23	478 886 R1	SUPPORT, DIVERTER VALVE LEVER	
24	478 885 R3	LEVER, DIVERTER VALVE	
	669 546 R1	PIN, LEVER	
	19 754 R1	PIN, 5/64 X 7/16 COT.	
25	474 478 R1	BASE, DIVERTER VALVE	
	587 372 R91	LINK, CHAIN ASSY	
26	53 717 DA	KNOB, DIVIDER VALVE LEVER	
27	338 345 R91	HOSE ASSY, PRESSURE	
28	492 011 R1	CLAMP ASSY, TUBE BLOCK	
29	492 014 R1	CLAMP, TUBE	
	120 382	WASHER, 3/8 ZNC MED LOCK -2-	
	120 377	NUT, 3/8-16 ZNC HEX. -2-	
30	633 460 R91	ELBOW, ADJ HYD 37 DEG FLARED STR-THD	
31	368 269 R1	O-RING, 3/4 OD TUBE -2-	
32	9 410 979	ELBOW, 1-1/16-12 37 DEG FLARED TUBE ADJ STR-THD 90 DEG	
33	388 208 R93	VALVE ASSY, PILOT OPERATED RELIEF -TRACTORS W/2000 LOADER- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF PILOT RELIEF VALVE-	
34	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32	
35	378 985 R2	WASHER, BACK-UP	
36	383 219 R1	O-RING, 15/16 X 1-1/8 X 3/32	
37	541 335 R1	MANIFOLD ASSY, HYD SAFETY RETURN	

3121 BACKHOE -68- SECTION D

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		POWER STEERING CYLINDER	



A-81419

	389 389 R91	CYLINDER ASSY, POWER STEERING	
1	389 384 R91	BODY ASSY, CYLINDER	
2	381 060 R1	COVER, DUST -2-	
3	109 454	FITTING, 1/4-28 TAPER THREAD LUB -2-	
4	387 363 R1	O-RING, 1-3/4 X 2-1/8 X 3/16	
5	387 362 R1	WASHER, BACK-UP	
6	389 390 R1	WIPER, PISTON ROD	
7	389 387 R91	ROD ASSY, PISTON	

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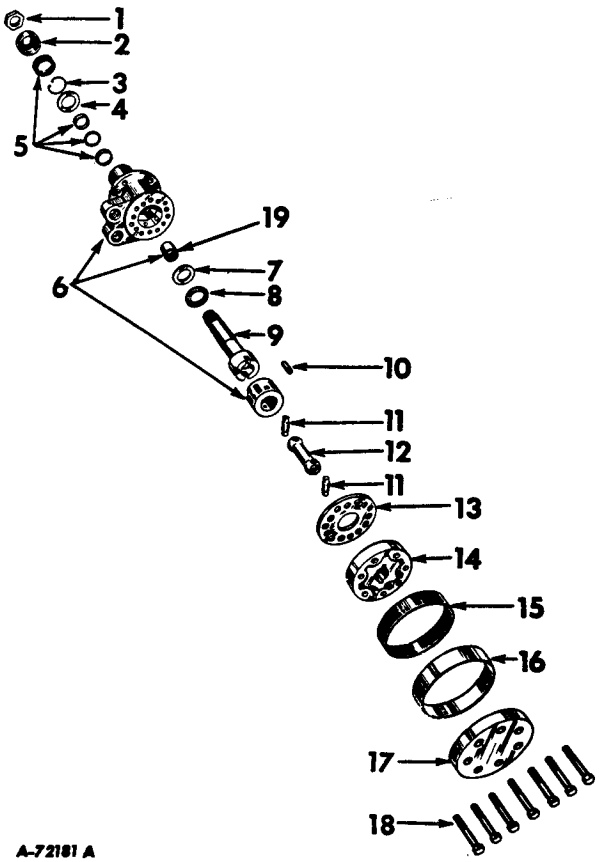
HYDRASTATIC POWER STEERING HAND PUMP



REF. NO.	PART NUMBER	DESCRIPTION
	389 397 R91	PUMP ASSY, POWER STEERING HAND
1	368 576 R1	NUT, STEERING WHEEL
2	226 032 R1	SEAL, DUST -NOT INCLUDED IN PUMP ASSY-
3	383 878 R1	RING, RETAINING
4	379 786 R1	WASHER, PUMP SHAFT
5	379 782 R92	PACKAGE, HAND PUMP SERVICE
6	379 694 R91	PUMP BODY & BEARING ASSY
7	379 785 R1	RACE, NEEDLE THRUST
8	379 783 R91	BEARING, NEEDLE THRUST
9	379 784 R1	SHAFT, COUPLING
10	379 700 R1	PIN, PUMP SPOOL
11	379 693 R1	PIN, PUMP LINK -2-
12	379 701 R1	LINK, PUMP
13	396 545 R1	SPACER, PUMP
14	389 400 R1	ROTOR SET
15	389 398 R1	SEAL, ROTOR

-69- SECTION D
3121 BACKHOE
BKH-1

HYDRASTATIC POWER STEERING HAND PUMP -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
16	389 399 R1	RETAINER, SEAL
17	389 401 R1	COVER, END
18	379 699 R1	SCREW, END COVER -7-
19	10 026 R	BEARING, NEEDLE

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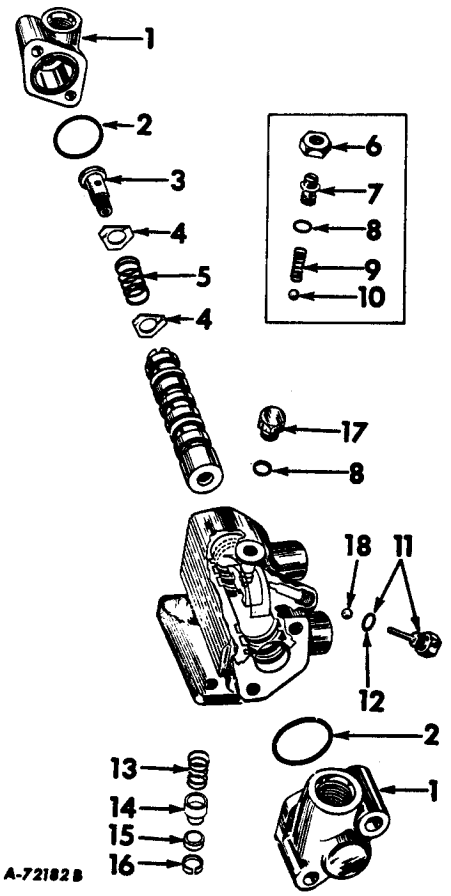
POWER STEERING PILOT VALVE



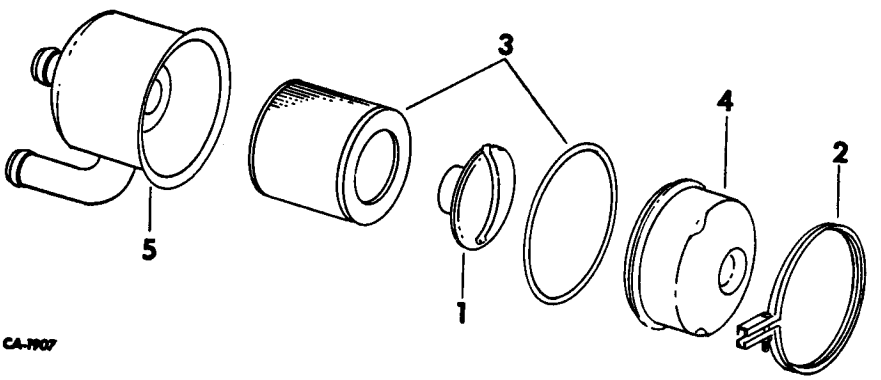
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	385 131 R92	VALVE ASSY, POWER STEERING PILOT	
1	379 894 R1	CAP, END -2-	
	179 847	SCREW, 3/8-16 X 2 HEX-HD CAP -4-	
	103 321	WASHER, 3/8 MED LOCK -4-	
2	387 088 R1	SEAL, END CAP -2-	
3	379 896 R1	SCREW, SPRING CENTERING	
4	379 897 R1	WASHER, CENTERING SCREW -2-	
5	385 622 R1	SPRING, VALVE CENTERING	
6		NOT USED IN THIS APPLICATION	
7		NOT USED IN THIS APPLICATION	
8	369 384 R1	O-RING, 13/32 X 9/16 X 5/64	
9		NOT USED IN THIS APPLICATION	
10		NOT USED IN THIS APPLICATION	
11	379 901 R91	PLUG ASSY	
12	379 795 R1	O-RING, PLUG	
13	382 125 R1	SPRING, PRESSURE CHECK	
14	382 126 R1	VALVE, CHECK	

3121 BACKHOE -70- SECTION D

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	POWER STEERING PILOT VALVE -CONTINUED		
15	379 810 R1	SEAL, CHECK VALVE	
16	382 127 R1	SPACER, CHECK VALVE	
17	9 410 357	PLUG, O-RING BOSS	
18	16 008 R1	BALL, 1/4 DIA STL	
	379 793 R91	PACKAGE, PILOT VALVE SERVICE -CONSISTS OF	
		1 O-RING 369 386 R1	
		1 O-RING 379 795 R1	
		1 SEAL 379 810 R1	
		2 SEAL 387 088 R1-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

OIL FILTER
-FOR TRUCK MOUNTED BACKHOES-



	547 254 R92	FILTER ASSY, OIL
1	402 211 R1	VALVE AND SCREEN ASSY
2	541 455 R1	CLAMP ASSY, V
	15 453 R1	BOLT, 5/16 X 1-3/4 SQ-NK CRG
	120 376	NUT, 5/16-18 HEX.
3	547 412 R91	PACKAGE, OIL FILTER ELEMENT
4		COVER -NOT SERVICED SEPARATELY, ORDER FILTER ASSY-
5		BODY, FILTER -NOT SERVICED SEPARATELY, ORDER FILTER ASSY-

3121 BACKHOE -71- SECTION D

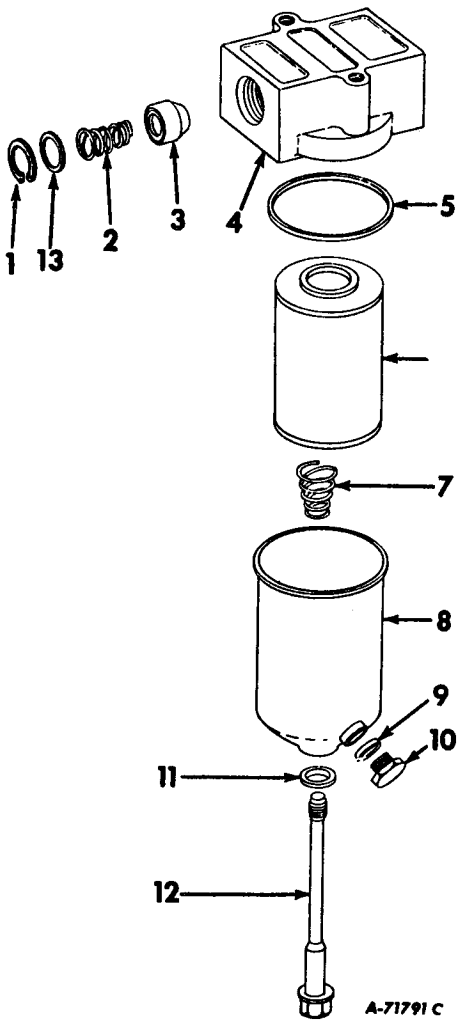
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

OIL FILTER -CONTINUED
-FOR TRUCK MOUNTED BACKHOES-

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

OIL FILTER



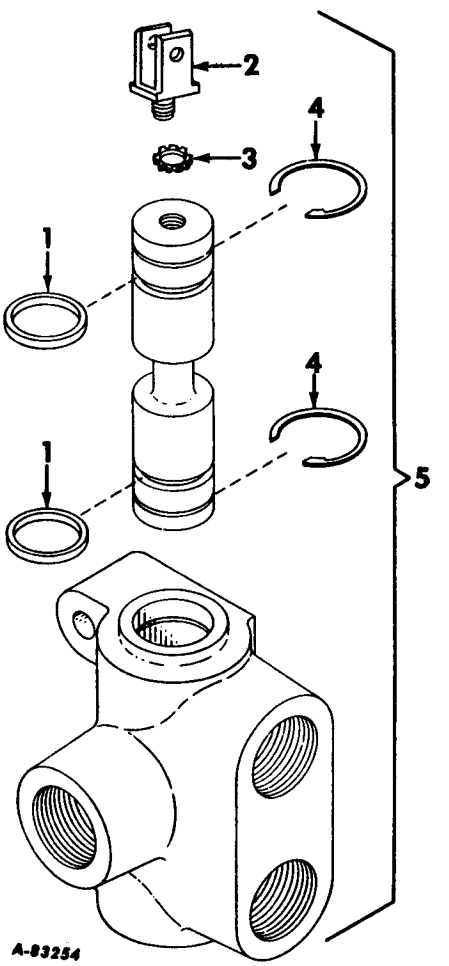
	471 133 R92	FILTER ASSY, OIL
1	338 835 R1	RING, VALVE RETAINING
2	381 626 R1	SPRING, VALVE COMPRESSION
3	381 625 R1	VALVE, RELIEF AND CHECK
4		BASE ASSY, OIL FILTER -NOT SERVICED SEPARATELY-
5	381 627 R1	GASKET, FILTER BASE PLUG
6	381 256 R91	ELEMENT ASSY, OIL FILTER
7	471 633 R1	SPRING, OIL FILTER COMPRESSION
8	471 634 R1	BODY, OIL FILTER
9	381 618 R1	GASKET, OIL FILTER DRAIN PLUG RING
10	445 078	PLUG, OIL FILTER DRAIN
11	381 629 R1	GASKET, OIL FILTER BODY BOLT RING

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

OIL FILTER -CONTINUED

12	471 632 R1	BOLT, OIL FILTER HOLD DOWN
13		NOT USED IN THIS APPLICATION

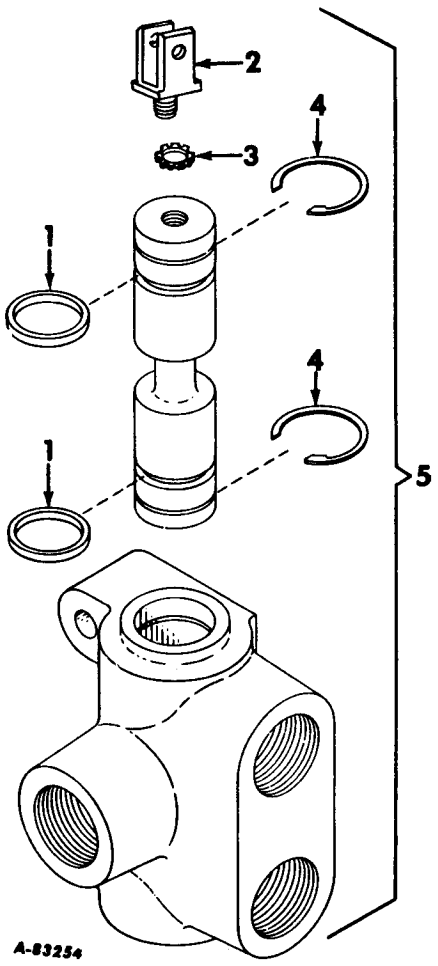
DIVERTER VALVE -FOR INTERNATIONAL 504 2504 606 AND 2606 TRACTOR-



1	377 952 R1	O-RING, 9/16 X 3/4 X 3/32 -2-
2	669 547 R1	EXTENSION, VALVE LEVER
3	138 489	WASHER, 3/8 C-Z EXT-TOOTH
4	661 652 R1	RING, SELECTOR VALVE RETAINING -2-
5	478 887 R91	VALVE ASSY, DIVERTER

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

DIVERTER VALVE

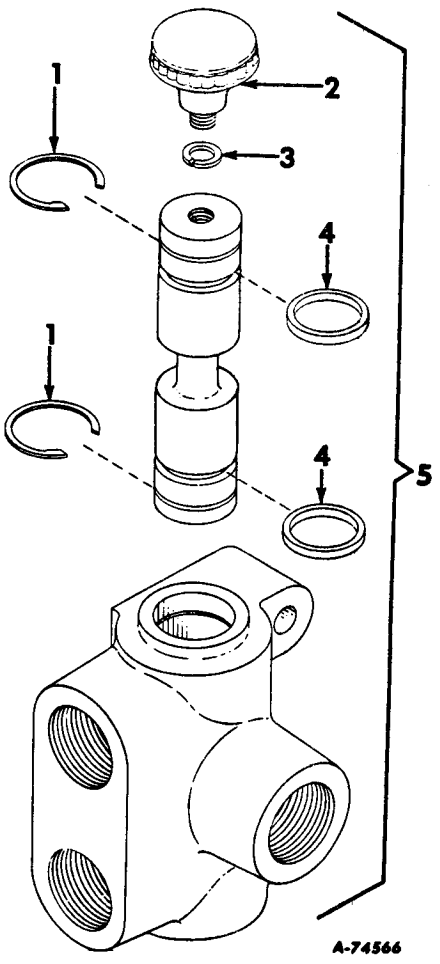


1	403 519 R1	O-RING	
2		NOT USED IN THIS APPLICATION	
3	138 489	WASHER, 3/8 C-Z EXT-TOOTH	
4	23 090 R1	RING, SELECTOR	
5	404 491 R91	VALVE ASSY, DIVERTER	

3121 BACKHOE -73- SECTION D

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

DIVERTER VALVE -FOR 3414, 3444, 3514 AND 3616 LOADER TRACTOR AND TRUCK MOUNTING ATTACHMENT-



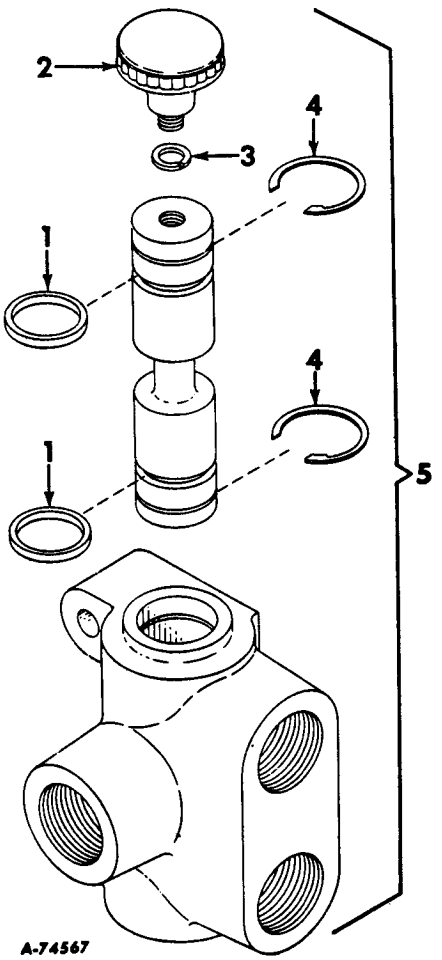
1	661 652 R1	RING, SELECTOR VALVE RETAINING -2- -USED W/VALVE ASSY, 383 946 R91 & 389 251 R91-
1	23 090 R1	RING, SELECTOR VALVE RETAINING -2- -NOTE B- -USED W/VALVE ASSY, 389 251 R92-
2	384 283 R1	KNOB, CONTROL -NOTE A-
2	389 255 R1	KNOB, CONTROL -NOTE B-
3	120 381	WASHER, 3/8 C-Z LOCK -NOTE A-
3	131 099	WASHER, 3/8 C-Z HV-LOCK -NOTE B-
4	352 221 R1	O-RING, 9/16 X 3/4 X 3/32 -2- -NOTE A-
4	377 952 R1	O-RING, 9/16 X 3/4 X 3/32 -2- -NOTE B- -USED W/VALVE ASSY, 389 251 R91-
4	403 519 R1	O-RING, 9/16 X 3/4 X 3/31 -2- -NOTE B- -USED W/VALVE ASSY, 389 251 R92-
5	383 946 R91	VALVE ASSY, DIVERTER -NOTE A-
5	389 251 R92	VALVE ASSY, DIVERTER -NOTE B-

NOTE A - FOR SERVICE OF GRESEN DIVERTER VALVE-

NOTE B - FOR SERVICE OF IH MANUFACTURED DIVERTER VALVE-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

DIVERTER VALVE -FOR INTERNATIONAL 2424 & 2444 TRACTORS W/HITCH, POWER STEERING & 2000 LOADER-



REF. NO.	PART NUMBER	DESCRIPTION
1	377 952 R1	O-RING, 9/16 X 3/4 X 3/32 -2- -USED W/VALVE ASSY, 469 730 R91 & 389 252 R91-
1	403 519 R1	O-RING, 9/16 X 3/4 X 3/32 -2- -NOTE B- -USED W/VALVE ASSY, 389 252 R92-
2	384 283 R1	KNOB, CONTROL -NOTE A-
2	389 255 R1	KNOB, CONTROL -NOTE B-
3	120 381	WASHER, 3/8 C-Z LOCK -NOTE A-
3	131 099	WASHER, 3/8 C-Z HV-LOCK -NOTE B-
4	661 652 R1	RING, SELECTOR VALVE RETAINING -2- -USED W/VALVE ASSY, 469 730 R91 & 389 252 R91-
4	23 090 R1	RING, SELECTOR VALVE RETAINING -2- -NOTE B- -USED W/VALVE ASSY, 389 252 R92-

3121 BACKHOE -74- SECTION D

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

DIVERTER VALVE -FOR INTERNATIONAL -CONTINUED 2424 & 2444 TRACTORS W/HITCH, POWER STEERING & 2000 LOADER-

REF. NO.	PART NUMBER	DESCRIPTION
5	469 730 R91	VALVE ASSY, DIVERTER -NOTE A-
5	389 252 R92	VALVE ASSY, DIVERTER -NOTE B-

NOTE A - FOR SERVICE OF GRESEN DIVERTER VALVE-

NOTE B - FOR SERVICE OF IH MANUFACTURED DIVERTER VALVE-

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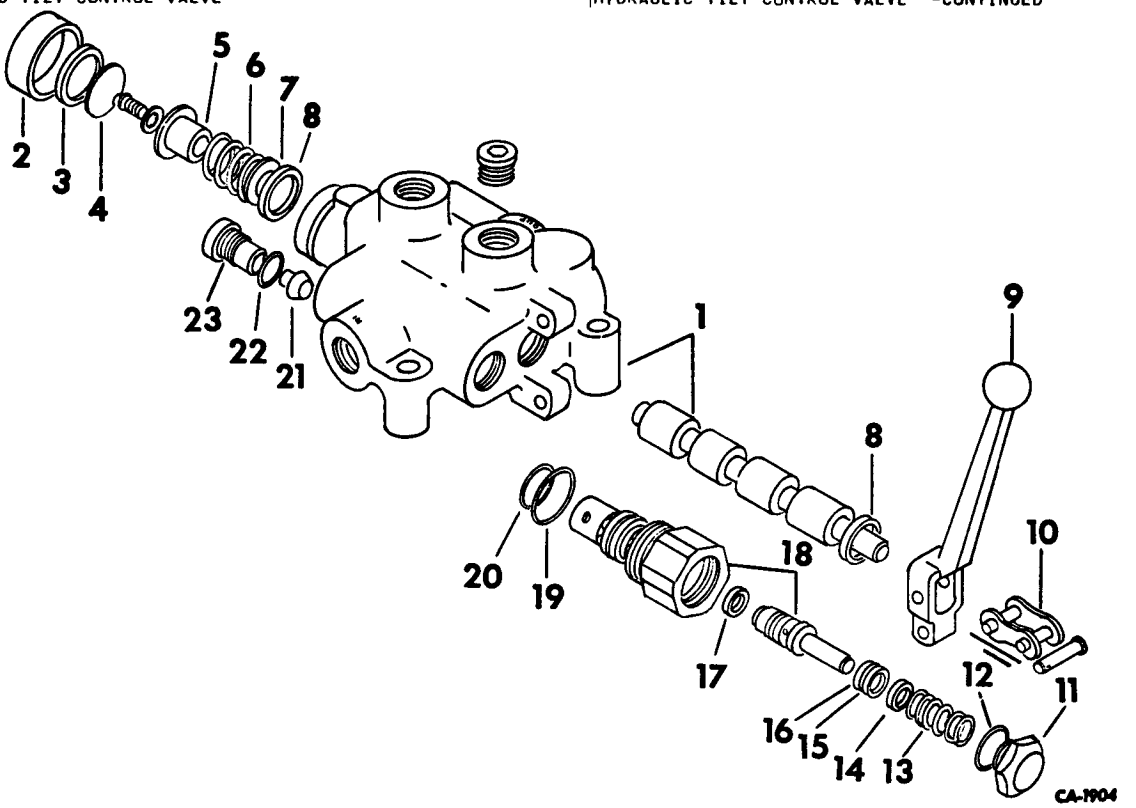
BKH-1

HYDRAULIC TILT CONTROL VALVE



REF. NO.	PART NUMBER	DESCRIPTION
1	547 537 R1	VALVE ASSY, BODY & SPOOL
2	663 034 R1	CAP, BONNET
3	663 025 R1	RING, SNAP STOP DISK
4	663 023 R1	CAP, END
5	663 022 R1	COLLAR, STOP
	20 710 R1	SCREW, 1/4-20 X 1/2 ZND PAN-HD
	174 878	WASHER, 1/4 INT-TOOTH LOCK
6	663 024 R1	SPRING, CENTERING
7	149 372 R1	WASHER, STOP
8	663 032 R1	SEAL, SPOOL -2-
9	380 366 R1	HANDLE
10	547 538 R91	LINK ASSY, HANDLE
	137 228	PIN, 5/32 X 1-1/2 COT.
11	850 113 R1	CAP, RELIEF
12	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 2707
13	850 109 R1	SPRING, 1751-2200 PSI CRACK 1451
14	850 112 R1	SHIM, .010
15	850 110 R1	SHIM, .040
16	850 111 R1	SHIM, .020
17	850 108 C1	PISTON, RING
18	547 539 R1	BODY, RELIEF VALVE
19	343 900 R1	O-RING, 1-1/16 X 13/16 X 1/16 1615
20	384 943 R1	O-RING, 3/4 X 7/8 X 1/16
21	666 719 R1	POPPET, CHECK -2-
22	352 221 R1	O-RING, 9/16 X 3/4 X 3/32
23	666 722 R1	PLUG, REAR CHECK

3121 BACKHOE -75- SECTION D

BKH-1

HYDRAULIC TILT CONTROL VALVE -CONTINUED

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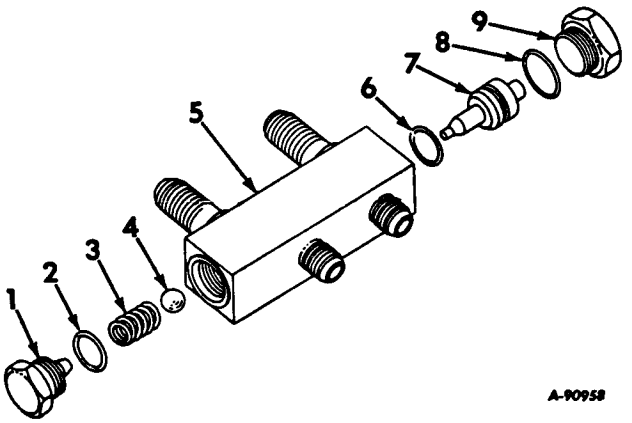
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

CHECK VALVE
STABILIZER

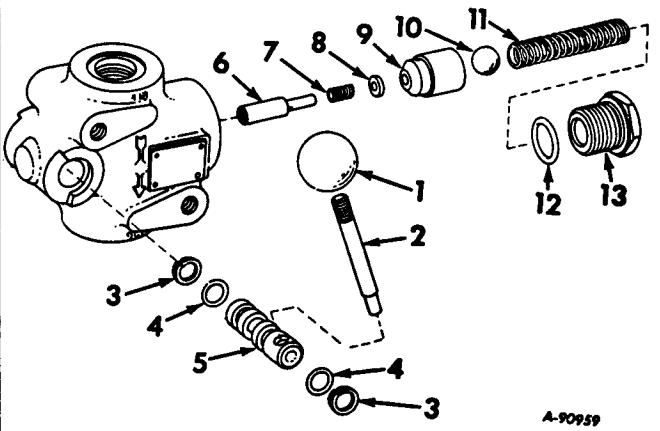


	400 433 R91	VALVE ASSY, STABILIZER CHECK	
1	370 967 R1	PLUG, CHECK VALVE	
2	364 885 R1	O-RING FOR 5/8 OD TUBE CHECK VALVE RING	
3	372 649 R1	SPRING, CHECK VALVE	
4	17 016 R1	BALL, 1/2 CR-STL	
5	400 659 R1	BLOCK ASSY, CHECK VALVE	
6	350 667 R1	RING, ACTUATOR CHECK VALVE SEAL PISTON	
7	362 707 R2	PISTON, ACTUATOR CHECK VALVE	
8	368 269 R1	O-RING FOR 3/4 OD TUBE CHECK VALVE RING	
9	400 664 R1	PLUG, O-RING BOSS	

3121 BACKHOE -76- SECTION D

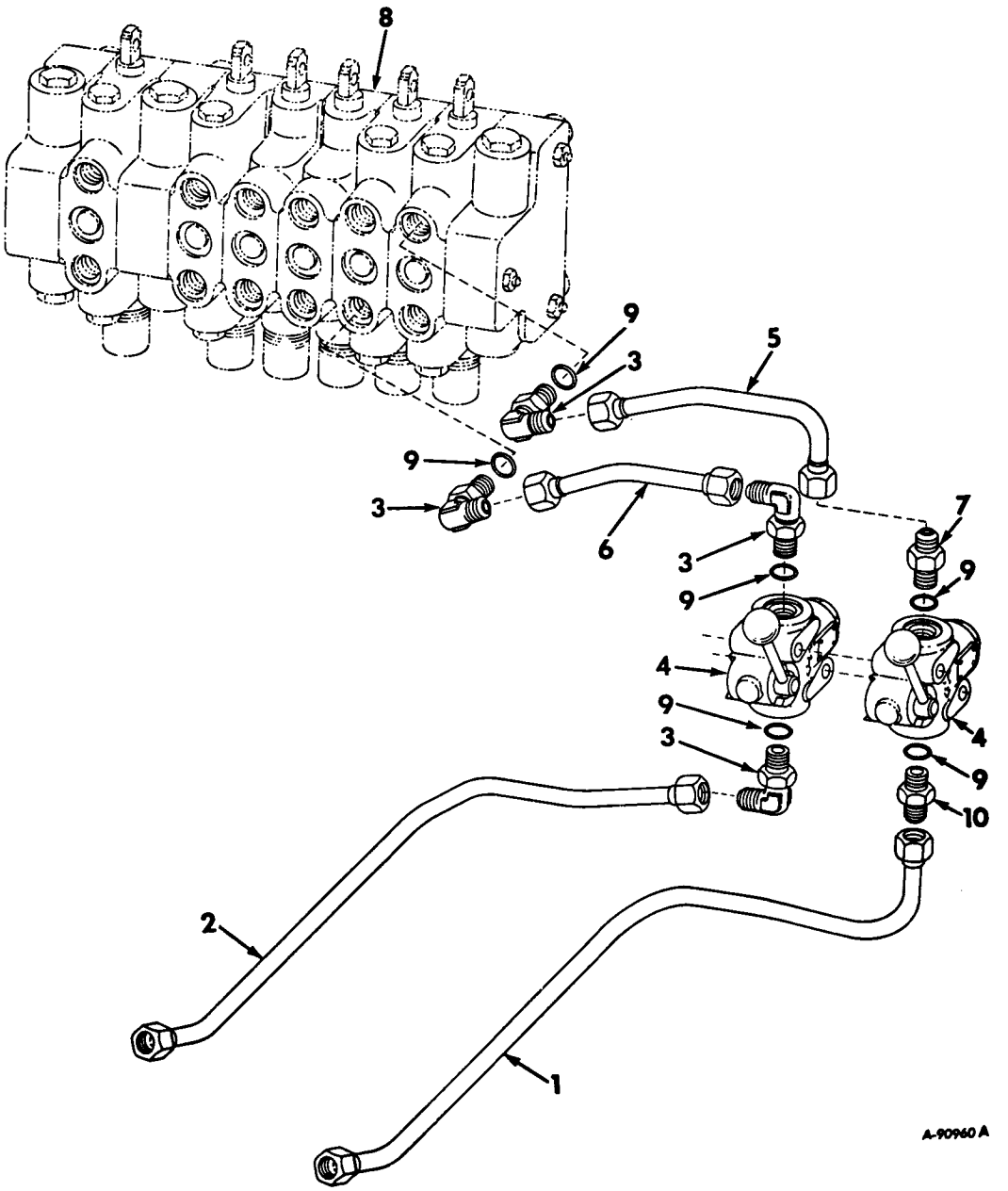
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

CHECK VALVE
-LEVER OPERATED-



	488 897 R92	VALVE ASSY, CHECK	
1	489 055 R1	KNOB	
2	489 054 R1	HANDLE	
3	157 925 H1	RING, BACK-UP -2-	
4	355 966 R1	O-RING, 7/16 X 5/8 X 3/32 -2-	
5	489 053 R1	CAM	
6	489 056 R2	CAM FOLLOWER	
7	489 058 R2	SPRING	
8	489 057 R2	WASHER	
9	489 051 R1	VALVE, POPPET	
10	16 016 R1	BALL, 1/2 DIA CHROME STEEL	
11	489 052 R1	SPRING	
	17 272 R1	PIN, ROLL DRIVE	
12	368 269 R1	O-RING, 3/4 OD TUBE	
13	489 050 R1	PLUG, CHECK VALVE	

CHECK VALVE AND CONNECTIONS
-LEVER OPERATED-



REF. NO.	PART NUMBER	DESCRIPTION
1	488 883 R1	TUBE ASSY, CHECK VALVE HOSE LIFT CYLINDER
2	488 887 R1	TUBE ASSY, CHECK VALVE HOSE CROWD CYLINDER
3	9 410 978	ELBOW, 7/8-14 37 DEG HYD FLARED TYPE -4-

-77- SECTION D
3121 BACKHOE
BKH-1

CHECK VALVE AND CONNECTIONS -CONTINUED
-LEVER OPERATED-

REF. NO.	PART NUMBER	DESCRIPTION
4	488 897 R92	VALVE ASSY, LEVER OPERATED CHECK -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF LEVER OPERATED CHECK VALVE-
	20 903 R1	SCREW, 3/8-16 X 5-1/4 C-Z HEX-HD CAP
	120 382	WASHER, 3/8 C-Z MED LOCK
	120 377	NUT, 3/8-16 C-Z HEX.

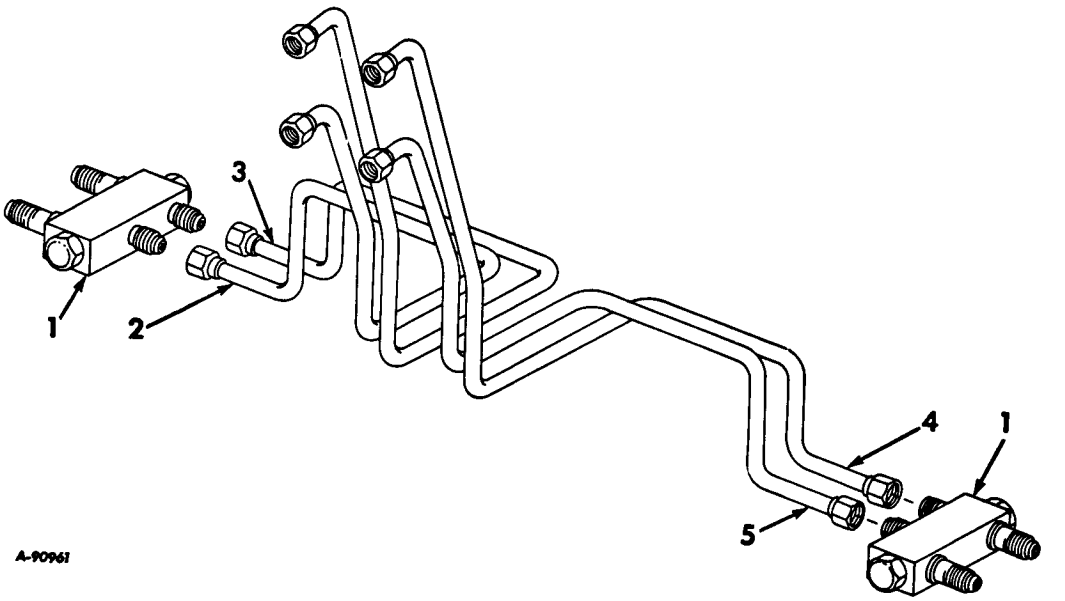
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		CHECK VALVE AND CONNECTIONS -CONTINUED -LEVER OPERATED-	
5	488 881 R1	TUBE ASSY, TOP PORT CHECK VALVE LIFT CYLINDER	
6	488 885 R1	TUBE ASSY, BOTTOM PORT CHECK VALVE CROWD CYLINDER	
7	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED TUBE	
8		VALVES, HYDRAULIC CONTROL -REFER TO HYDRAULIC CONTROL VALVES LISTINGS-	
9	364 885 R1	O-RING, 5/8 OD TUBE -6-	
10	397 669 R1	UNION ASSY, ORIFICE	
	2 754 177 R1	PRODUCT GRAPHIC, LOCKOUT VALVE	

3121 BACKHOE -78- SECTION D

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

CHECK VALVE AND CONNECTIONS
-STABILIZER-



REF. NO.	PART NUMBER	DESCRIPTION
1	400 433 R91	VALVE ASSY, STABILIZER CHECK -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF STABILIZER CHECK VALVE-
	138 561	WASHER, 3/4 C-Z INT-TOOTH LOCK -2-
9	403 294	NUT, 3/4-16 BULKHEAD UNION LOCK -2-
2	488 874 R1	TUBE ASSY, BOTTOM PORT RIGHT STABILIZER
3	488 872 R1	TUBE ASSY, TOP PORT RIGHT STABILIZER
4	488 876 R1	TUBE ASSY, TOP PORT LEFT STABILIZER
5	488 879 R1	TUBE ASSY, BOTTOM PORT LEFT STABILIZER
2	754 177 R1	PRODUCT GRAPHIC, LOCKOUT VALVE

-79- SECTION D
3121 BACKHOE
BKH-1

CHECK VALVE AND CONNECTIONS -CONTINUED
-STABILIZER-

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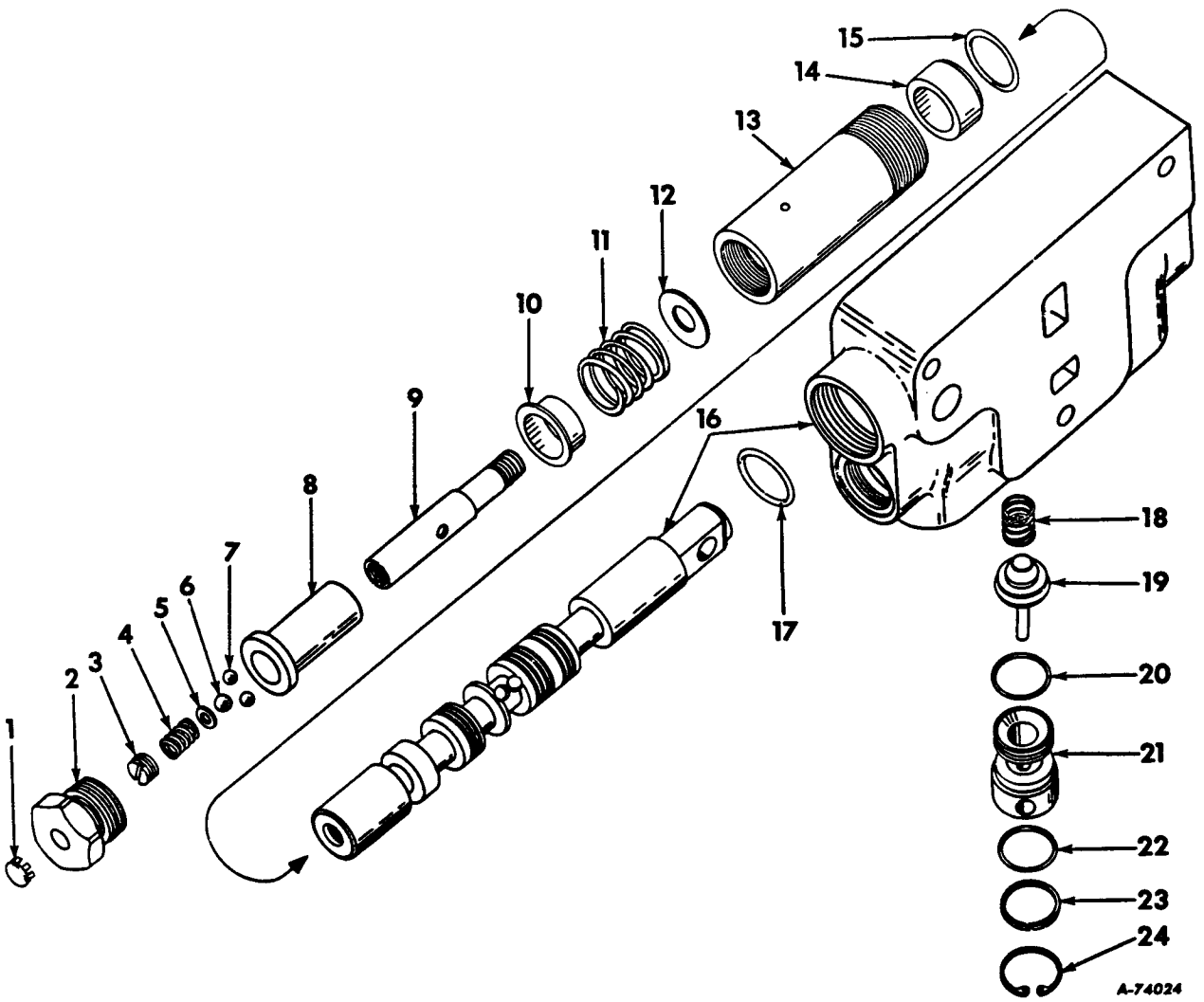
REVISION NO. 12

HYDRAULIC CONTROL VALVE
-FOUR POSITION SPRING CENTERED-



REF. NO.	PART NUMBER	DESCRIPTION
	383 269 R94	VALVE ASSY, HYD CONTROL
1	432 539	PLUG, 7/16 STL BUTTON
2	376 425 R1	CAP ASSY, CONTROL VALVE
3	377 803 R1	PLUG, SPRING RETAINING
4	377 802 R1	SPRING, DETENT
5	377 801 R1	WASHER, DETENT ACTUATING BALL
6	17 010 R1	BALL, 5/16 DIA CR-STL
7	17 008 R1	BALL, 1/4 DIA CR-STL -DETENT- -3-
8	376 428 R1	SLEEVE, POSITION CONTROL
9	382 661 R2	ACTUATOR, CENTERING SPRING
10	376 423 R1	RETAINER, CENTERING SPRING
11	384 381 R1	SPRING, CENTERING
12	376 420 R1	WASHER, CENTERING SPRING - THIN
13	395 783 R1	SLEEVE, CAP RETAINING
14	395 781 R2	RETAINER, VALVE SPOOL O-RING

HYDRAULIC CONTROL VALVE -CONTINUED
-FOUR POSITION SPRING CENTERED-

REF. NO.	PART NUMBER	DESCRIPTION
15	528 249 R1	O-RING, 7/8 X 1-1/16 X 3/32 -REPLACES 380 839 R1-
16	394 707 R93	BODY ASSY, CONTROL VALVE
17	406 181 R1	O-RING, 7/8 X 1-1/8 X 1/8 -REPLACES 253 070 R1-
18	395 278 R1	SPRING, CHECK POPPET
19	395 277 R1	POPPET ASSY, CHECK
20	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32
21	383 280 R1	RETAINER, CHECK POPPET
22	362 796 R1	O-RING, 15/16 X 1-1/8 X 3/32
23	376 433 R1	WASHER, VALVE BODY PLUG O-RING BACK-UP
24	228 275 R1	RING, CHECK BALL RETAINER SNAP

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONTROL VALVE -CONTINUED	
		-FOUR POSITION SPRING CENTERED-	
	383 548 R92	PACKAGE, OPEN CENTER CONTROL VALVE	
		-CONSISTS OF	
		1 O-RING 406 181 R1	
		1 O-RING 528 249 R1	
		1 O-RING 359 158 R1	
		$1 O-RING 377 805 R1	
		1 O-RING 362 796 R1	
		1 O-RING 364 879 R1	
		$1 PISTON, UNLATCHING 377 804 R1	
		1 POPPET ASSY 395 277 R1	
		1 RETAINER 382 852 R1	
		1 RETAINER 383 280 R1	
		1 RING, SNAP 228 275 R1	
		1 SPRING 395 278 R1	
		1 WASHER 376 433 R1-	

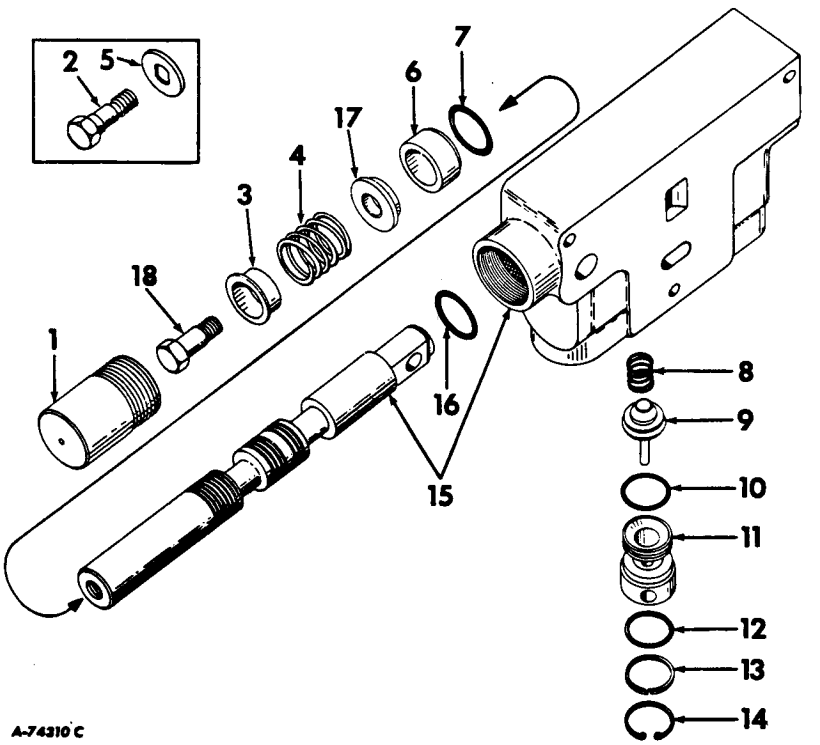
3121 BACKHOE -81- SECTION D

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONTROL VALVES
-THREE POSITION SPRING CENTERED-



A-74310C

REF. NO.	PART NUMBER	DESCRIPTION
	383 270 R93	VALVE ASSY, HYDRAULIC CONTROL
	383 271 R94	VALVE ASSY, HYDRAULIC CONTROL
	394 705 R94	VALVE ASSY, HYDRAULIC CONTROL
1	395 782 R1	CAP, CENTERING SPRING -FOR SERVICE REPLACEMENT OF 384 287 R1 ALSO ORDER 395 781 R1-
2	384 288 R1	SCREW, CENTERING SPRING -FOR SERVICE ON 406 825 R1 AND 395 950 R1-
3	376 423 R1	RETAINER, CENTERING SPRING
4	384 381 R1	SPRING, CENTERING
5	376 421 R1	WASHER, CENTERING SPRING -FOR SERVICE ON 406 825 R1 AND 395 950 R1-
6	395 781 R2	RETAINER, VALVE SPOOL O-RING -FOR SERVICE REPLACEMENT OF 382 852 R1 ALSO ORDER 395 782 R1-
7	528 249 R1	O-RING, 7/8 X 1-1/16 X 3/32 -CONTROL VALVE SPOOL LOWER- -REPLACES 380 839 R1-
8	395 278 R1	SPRING, CHECK POPPET -REPLACES 383 190 R1-
9	395 277 R1	POPPET, W/SEAL CHECK -FOR SERVICE REPLACEMENT OF 383 279 R11 ALSO ORDER 395 278 R1-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

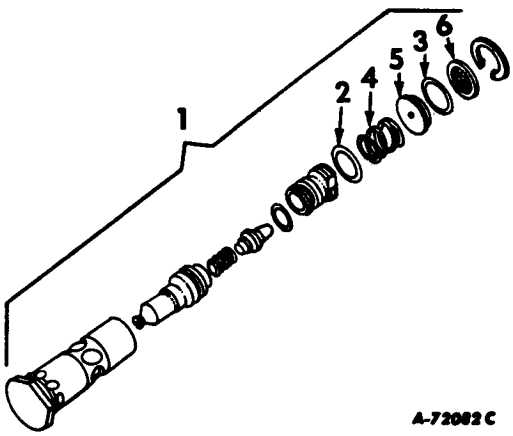
HYDRAULIC CONTROL VALVES -CONTINUED
-THREE POSITION SPRING CENTERED-

REF. NO.	PART NUMBER	DESCRIPTION
10	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32 -CHECK BALL RETAINER INNER-
11	383 280 R1	RETAINER, CHECK BALL
12	362 796 R1	O-RING, 15/16 X 1-1/8 X 3/32 -CHECK BALL RETAINER OUTER-
13	376 433 R1	WASHER, VALVE BODY PLUG O-RING BACK-UP
14	228 275 R1	RING, CHECK BALL RETAINER SNAP
15	382 850 R21	BODY ASSY, CONTROL VALVE -FOR 383 270 R93-
15	383 276 R93	BODY ASSY, CONTROL VALVE -FOR 383 271 R94-
15	394 707 R93	BODY ASSY, CONTROL VALVE -FOR 394 705 R94-
16	406 181 R1	O-RING, 7/8 X 1-1/8 X 1/8 -CONTROL VALVE SPOOL UPPER -REPLACES 253 070 R1-
17	406 825 R1	RETAINER, CENTERING SPRING
18	395 950 R1	SCREW, CENTERING SPRING

REF. NO.	PART NUMBER	DESCRIPTION
		HYDRAULIC CONTROL VALVES -CONTINUED -THREE POSITION SPRING CENTERED-
	383 548 R92	PACKAGE, OPEN CENTER CONTROL VALVE
		CONSISTS OF-
	1	O-RING 406 181 R1
	1	O-RING 528 249 R1
	1	O-RING 359 158 R1
	1	O-RING $377 805 R1
	1	O-RING 362 796 R1
	1	O-RING 364 879 R1
	1	PISTON, UNLATCHING 396 582 R1
	1	POPPET ASSY 395 277 R1
	1	RETAINER 382 852 R1
	1	RETAINER 383 280 R1
	1	RING, SNAP 228 275 R1
	1	SPRING 395 278 R1
	1	WASHER 376 433 R1

-83- SECTION D
3121 BACKHOE
BKH-1

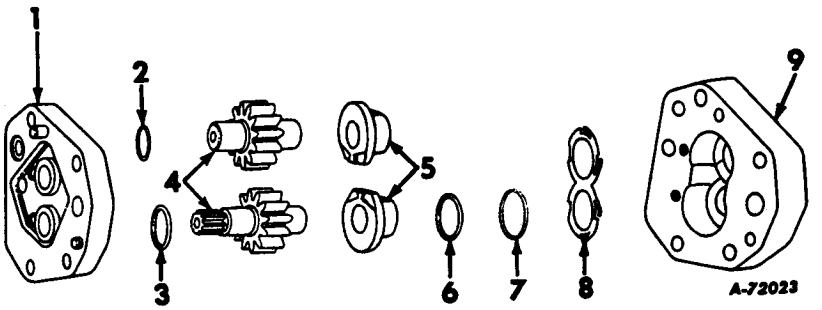
REF. NO.	PART NUMBER	DESCRIPTION
		PILOT RELIEF VALVE



1	388 208 R93	VALVE ASSY, PILOT RELIEF -2000 P.S.I.-
1	396 729 R92	VALVE ASSY, PILOT RELIEF -2250 P.S. I-
2	406 185 R1	O-RING, 5/8 X 0/4 X 1/16 -POPPET-
3	298 385 R1	O-RING, 11/16 X 13/16 X 1/16 -ORIFICE PLATE-
4	386 040 R1	SPRING POPPET RETURN
5	386 042 R1	PLATE, ORIFICE
6	386 073 R91	SCREEN ASSY, PILOT RELIEF VALVE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC GEAR PUMP
-THOMPSON 7 GPM-



	381 115 R92	PUMP ASSY, HYD GEAR -OPTIONAL WITH 381 116 R92-
1		COVER ASSY, PUMP FRONT -NOTE- -NOT SERVICED SEPARATELY, ORDER PUMP ASSY-
2		O-RING, 9/16 X 11/16 -PUMP COVER PRESSURE -NOT SERVICED SEPARATELY -ORDER PACKAGE, 371 542 R92-
3		O-RING, PUMP COVER -NOT SERVICED SEPARATELY - ORDER PACKAGE 371 542 R92-
4		PACKAGE, DRIVE AND DRIVEN GEAR -NOTE- -NOT SERVICED SEPARATELY, ORDER PUMP ASSY-
5		PACKAGE, PRESSURE BEARING -NOTE- -NOT SERVICED SEPARATELY, ORDER PUMP ASSY-
6		O-RING, 7/8 X 1-1/16 X 3/32 -2- -OUTSIDE PRESSURE BEARING- -NOT SERVICED SEPARATELY - ORDER PACKAGE, 371 542 R92-
7	373 182 R1	RETAINER, PRESSURE BEARING O-RING -USED WITH O-RING OUTSIDE BEARING -2-
8	371 531 R1	SPRING, PRESSURE PLATE
9		BODY, PUMP -NOT SERVICED SEPARATELY ORDER PUMP ASSY-
	371 542 R92	PACKAGE, HYD PUMP O-RING AND GASKET SERVICE

CONSISTS OF-

1	GASKET	371 543 R2
$2	O-RING	253 070 R1
2	O-RING	364 879 R1
$2	O-RING	371 544 R1
$1	O-RING	371 545 R1
$2	WASHER	368 635 R1

NOTE- FOR SERVICE REPLACEMENT ALSO ORDER O-RING AND GASKET PACKAGE, 371 542 R92.

3121 BACKHOE -84- SECTION D

REF. NO. PART NUMBER DESCRIPTION BKH-1

HYDRAULIC GEAR PUMP -CONTINUED
-THOMPSON 7 GPM-

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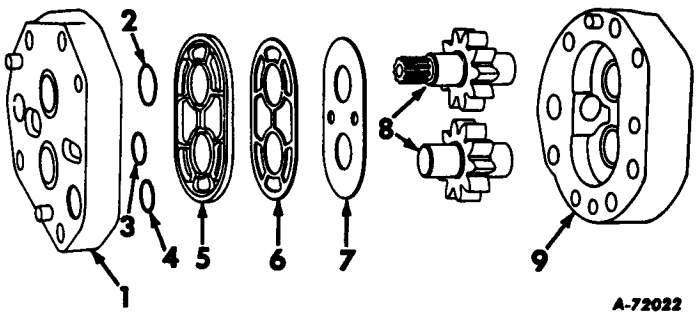
REF. NO.	PART NUMBER	DESCRIPTION

HYDRAULIC GEAR PUMP
-CESSNA 7 GPM-



A-72022

	381 116 R92	PUMP ASSY, HYD GEAR -OPTIONAL WITH 381 115 R92-
1		COVER ASSY, PUMP FRONT -NOTE- -NOT SERVICED SEPARATELY, ORDER PUMP ASSY-
2	574 069 R1	O-RING, 3/4 X 7/8 X 1/16 -PUMP COVER-
3	370 920 R1	O-RING, 1/2 X 5/8 X 1/16 -PUMP COVER-
4		O-RING, 9/16 X 11/16 X 1/16 -PUMP PRESSURE EXTERNAL -NOT SERVICED SEPARATELY - ORDER PACKAGE 381 154 R91-
4		O-RING, 9/16 X 11/16 X 1/16 -PUMP PRESSURE INTERNAL -NOT SERVICED SEPARATELY - ORDER PACKAGE 381 154 R91-
5		SEAL, DIAPHRAGM -NOT SERVICED SEPARATELY - ORDER PACKAGE 381 154 R91-
6		GASKET, BACK-UP -NOT SERVICED SEPARATELY - ORDER PACKAGE 381 154 R91-
7		DIAPHRAGM, PRESSURE -NOT SERVICED SEPARATELY - ORDER PACKAGE 381 154 R91-
8		PACKAGE, DRIVE AND DRIVEN GEAR -NOTE- -NOT SERVICED SEPARATELY, ORDER PUMP ASSY-
9		BODY W/BUSHINGS ASSY, PUMP -NOTE- -NOT SERVICED SEPARATELY, ORDER PUMP ASSY-

381 154 R91 PACKAGE, HYD PUMP O-RING AND GASKET SERVICE

CONSISTS OF-

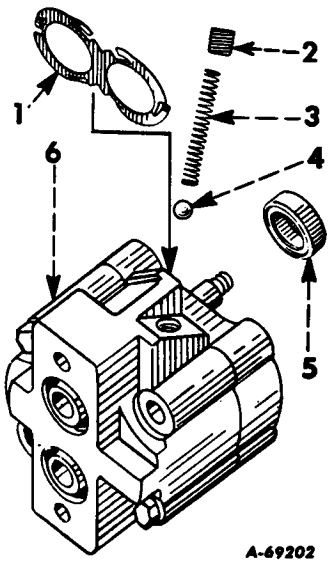
$1	DIAPHRAGM	371 551 R1
1	GASKET	371 543 R2
$1	GASKET	371 553 R1
$1	GASKET	381 155 R1
1	O-RING	370 920 R1
$2	O-RING	371 544 R1
1	O-RING	574 069 R1
$1	SEAL	371 552 R1
1	WASHER	370 897 R1

NOTE- FOR SERVICE REPLACEMENT ALSO ORDER O-RING AND GASKET PACKAGE, 381 154 R91.

-85- SECTION D
3121 BACKHOE
BKH-1
REF. NO. PART NUMBER DESCRIPTION
HYDRAULIC GEAR PUMP -CONTINUED
-CESSNA 7 GPM-
PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 12

BKH-1

HYDRAULIC PUMP -THOMPSON-
-GASOLINE ENGINE TRACTOR-

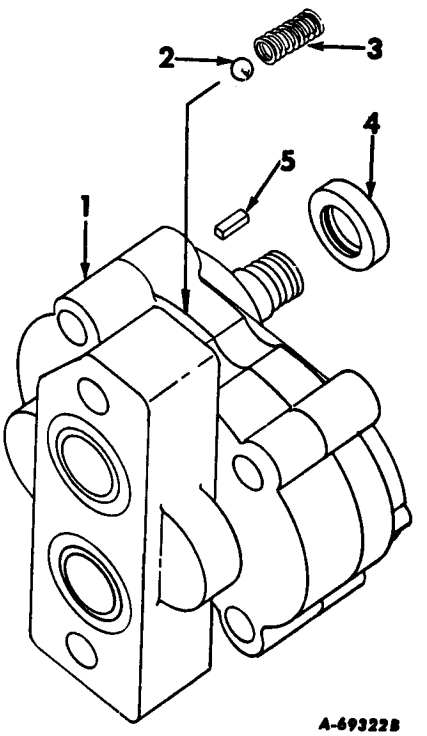


A-69202

REF. NO.	PART NUMBER	DESCRIPTION
1	361 629 R1	SPRING, PRESSURE PLATE
	373 182 R1	RETAINER, PRESSURE BEARING O-RING -2-
2	362 336 R1	PLUG, BALL CHECK
3	381 370 R1	SPRING, BALL CHECK
4	16 011 R1	BALL, 11/32 DIA. CR-PLTD-STL
5	381 369 R91	SEAL, PUMP SHAFT OIL
	124 543	KEY, 1/8 X 1/2 WOODRUFF 3
6	368 633 R92	PUMP ASSY, HYDRAULIC -9 GPM- -OPTIONAL WITH 376 933 R94- -COMPOSED OF
		1 BALL 16 011 R1
		$1 BODY ASSY
		1 OIL SEAL 381 369 R91
		1 PLUG 362 336 R1
		$2 O-RING 253 070 R1
		$1 O-RING 293 726 R1
		2 RETAINER 373 182 R1
		1 SPRING 361 629 R1
		1 SPRING 381 370 R1
		$2 WASHER 368 635 R1-
	368 634 R92	PACKAGE, HYD PUMP O-RING & GASKET -CONSISTS
		2 O-RING 355 965 R1
		1 GASKET 350 708 R1
		$1 O-RING 293 726 R1
		$2 O-RING 253 070 R1
		2 WASHER 368 635 R1
		1 SEAL 385 038 R91
		$2 O-RING 364 879 R1-

BKH-1

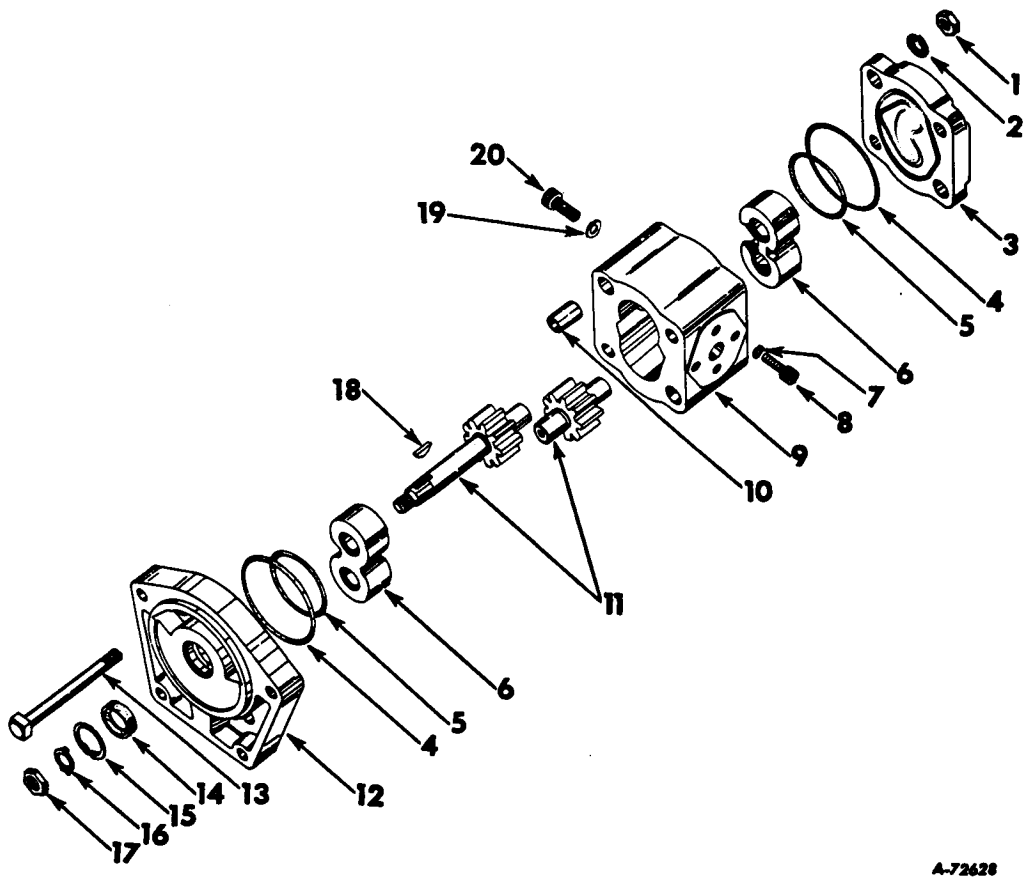
HYDRAULIC PUMP -CESSNA-
-GASOLINE ENGINE TRACTORS-



A-69322B

REF. NO.	PART NUMBER	DESCRIPTION
1	376 993 R94	PUMP ASSY, HYDRAULIC -9 GPM- -OPTIONAL WITH 368 633 R92 -COMPOSED OF
		1 BALL 16 077 R1
		$1 HOUSING ASSY
		1 OIL SEAL 381 001 R91
		1 SPRING 381 523 R1-
2	16 007 R1	BALL, 7/32 DIA. CR-PLTD-STL
3	371 523 R1	SPRING, BALL CHECK
4	596 548 R91	SEAL, PUMP SHAFT OIL
5	396 949 R1	KEY, PUMP SHAFT
	381 002 R93	PACKAGE, HYD PUMP O-RING AND GASKET SERVICE -COMPOSED OF
		$1 DIAPHRAGM 381 003 R1
		$1 DIAPHRAGM 381 006 R1
		1 GASKET 350 708 R1
		$1 GASKET 531 617 R1
		$1 GASKET 381 005 R2
		1 OIL SEAL 596 548 R91
		2 O-RING 381 884 R1
		$1 SEAL 381 004 R2
		$1 PLATE 396 948 R1-

HYDRAULIC PUMP
-DIESEL ENGINE TRACTOR-



REF. NO.	PART NUMBER	DESCRIPTION
	3 043 981 R93	PUMP ASSY, HYDRAULIC -9 GPM-
1	3 044 632 R1	NUT, 3/8-24 HEX. -4-
2	3 044 634 R1	WASHER, 3/8 LOCK -4-
3	3 044 628 R1	COVER, PUMP
4	3 044 623 R1	O-RING, FLANGE SEALING -2-
5	3 044 624 R1	O-RING, PRESSURE RELIEF -2-
6	3 049 628 R1	BEARING -2-
7	3 044 644 R1	WASHER, SPRING -2-
8	3 044 642 R1	SCREW, 1/4 X 3/4 ALLEN -2-
9	3 049 626 R1	BODY, PUMP
	364 879 R1	O-RING, MANIFOLD
	352 221 R1	O-RING, MANIFOLD
10	3 044 631 R1	DOWEL, HOLLOW -4-
11	3 049 627 R91	GEAR SET, PUMP DRIVE
12	708 395 R1	FLANGE, PUMP
13	3 049 625 R1	BOLT -4-
14	708 422 R91	SEAL, OIL

-87- SECTION D
3121 BACKHOE
BKH-1

HYDRAULIC PUMP -CONTINUED
-DIESEL ENGINE TRACTOR-

REF. NO.	PART NUMBER	DESCRIPTION
15	3 044 626 R1	CIRCLIP
16	3 044 636 R1	WASHER, LOCK
17	3 044 638 R1	NUT, LOCK
18	3 044 637 R1	KEY, WOODRUFF
19	3 044 643 R1	WASHER, SPRING -2-
20	3 044 641 R1	SCREW, ALLEN -2-
	3 049 629 R91	PACKAGE, SEAL

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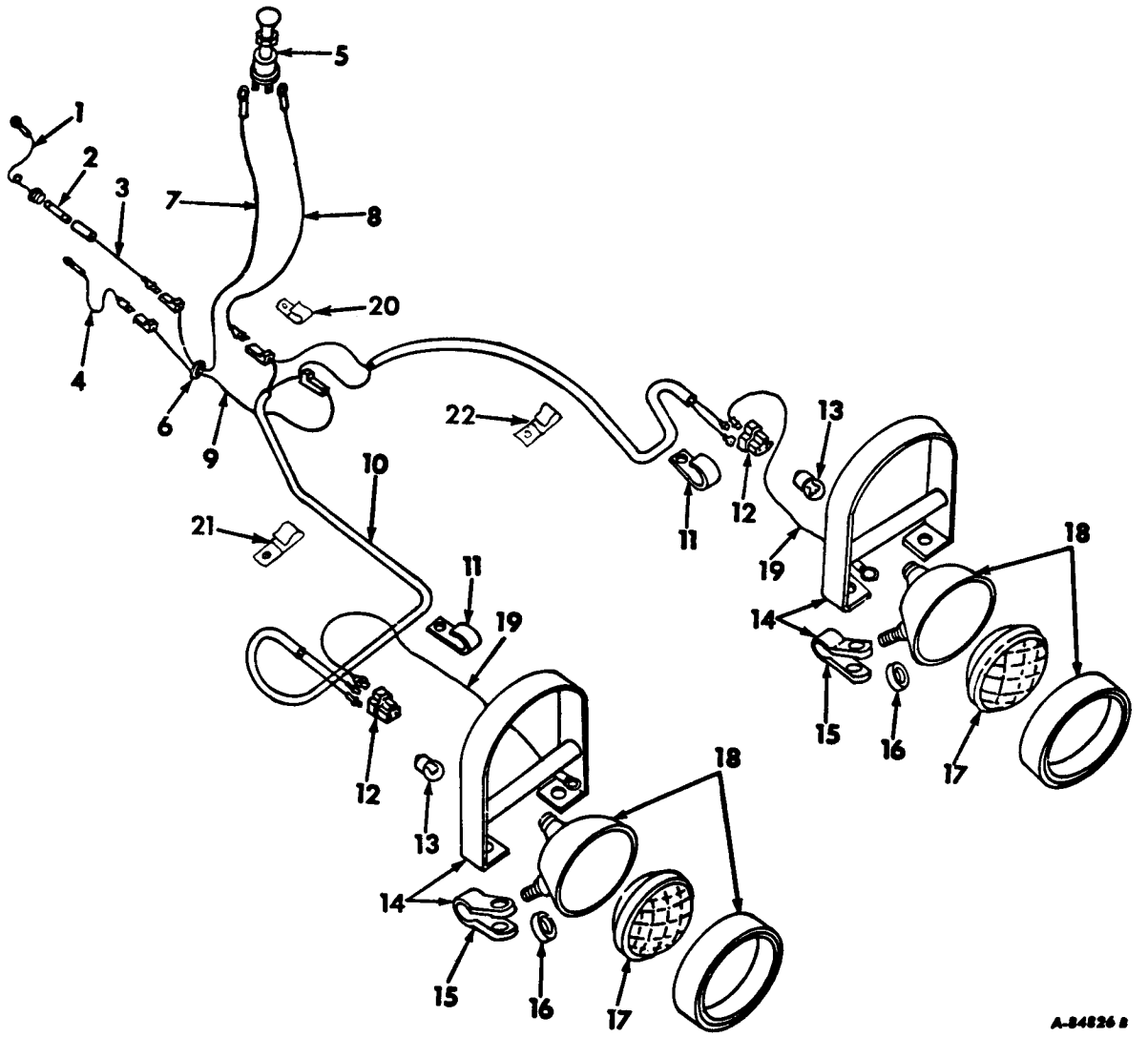
REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

LIGHTING EQUIPMENT



1	469 656 R1	CABLE ASSY, FUSE HOUSING
1	484 924 R1	CABLE ASSY, FUSE TO BREAKAWAY HOUSING -FOR USE ON 500 CRAWLER TRACTOR-
2	117 142	FUSE, CARTRIDGE TYPE AGC 10
3	469 657 R1	CABLE ASSY, FUSE
3	484 923 R1	CABLE ASSY, FUSE HOUSING TO AMMETER NEG TERMINAL-FOR USE ON 500 CRAWLER TRACTOR ONLY-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

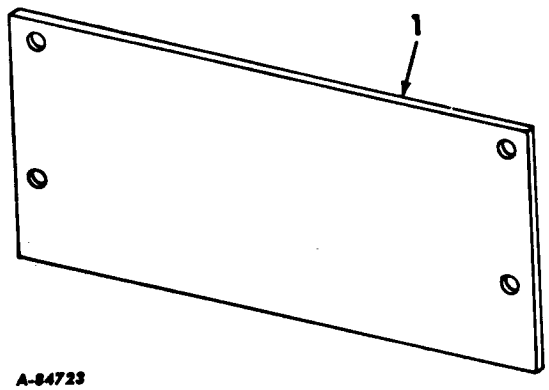
LIGHTING EQUIPMENT -CONTINUED

4	481 701 R91	CABLE ASSY
4	484 925 R1	CABLE ASSY, TAIL LIGHT TERMINAL TO BACKHOE -FOR USE ON 500 CRAWLER TRACTOR ONLY-
4	492 118 R1	CABLE ASSY -FOR 3514 TRACTOR-
4	492 623 R91	CABLE ASSY, BACKHOE LIGHTS -FOR 500 C CRAWLER TRACTOR-
5	362 818 R91	SWITCH ASSY, LIGHTING

REF. NO.	PART NUMBER	DESCRIPTION
	LIGHTING EQUIPMENT -CONTINUED	
6	42 486 H	GROMMET, RUBBER
7	481 735 R91	CABLE ASSY, LIGHTING SWITCH TO FUSE HOUSING JUNCTION
8	481 736 R91	CABLE ASSY, SWITCH TO HEAD LIGHT CABLE ASSY
9	481 734 R91	CABLE ASSY, INTERMEDIATE TAIL LAMP
10	481 733 R91	CABLE ASSY, HEAD LIGHT
11	366 460 R1	CLIP, CABLE -2-
12	377 105 R1	CONNECTOR -2-
13	455 490	LAMP, BULB -2-
14	482 979 R11	GUARD ASSY, BACKHOE LAMP -2-
	120 377	NUT, 3/8-16 C-Z HEX. -4-
	180 124	SCREW, 3/8-16 X 1-1/4 C-Z HEX-HD CAP -4-
	120 382	WASHER, 3/8 C-Z MED LOCK -4-
15	350 920 R1	CLAMP, HEAD LAMP -2-
16	365 503 R1	SPACER, LAMP -2-
	120 378	NUT, 1/2-13 C-Z HEX. -2-
	120 384	WASHER, 1/2 C-Z MED LOCK -2-
17	371 461 R91	LAMP, SEALED BEAM UNIT -2-
18	387 729 R91	LIGHT ASSY, COMBINATION SHOCK PROOF -2-
19	481 737 R91	CABLE ASSY, LIGHT TO GROUND -2-
20	362 120 R1	CLIP, BACKHOE LIGHTING CABLE -FOR 3444 TRACTORS-
21	371 036 R1	CLIP, LH FENDER CABLE -FOR 3444 TRACTORS-
	179 791	SCREW, 1/4-20 X 1/2 HEX-HD CAP
	103 319	WASHER, 1/4 MED LOCK
	109 084	NUT, 1/4-20 HEX.
22	362 126 R1	CLIP, MAIN CABLE HARNESS -FOR 3444 TRACTORS-
	179 837	SCREW, 3/8-16 X 3/4 HEX-HD CAP
	103 321	WASHER, 3/8 MED LOCK
	102 635	NUT, 3/8-16 HEX.

-89- SECTION D
3121 BACKHOE
BKH-1

STANDARD BUCKET WEIGHT ATTACHMENT
FOR 500 CRAWLER TRACTOR W/BACKHOE

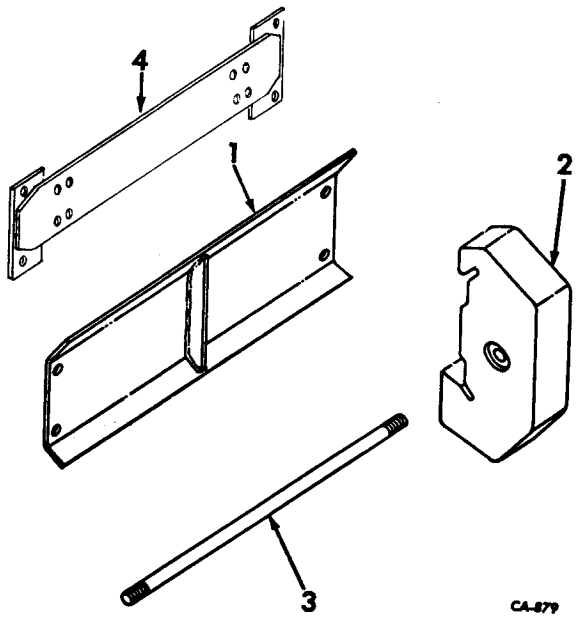


REF. NO.	PART NUMBER	DESCRIPTION
1	484 485 R1	PLATE, BUCKET WEIGHT -10-
	124 589	NUT, 5/8-11 C-Z HEX -4-
	21 136 R1	SCREW, 5/16-11 X 6-1/4 HEX-HD CAP -4-
	121 574	WASHER, 5/8 C-Z MED LOCK -4-
	131 016	WASHER, 21/32 X 1-5/16 X .095 C-Z -4-

PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

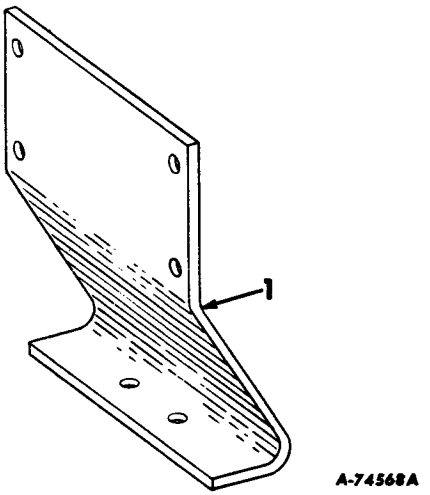
FRONT COUNTERWEIGHT ATTACHMENT
-INTERNATIONAL 2544 TRACTORS-



REF. NO.	PART NUMBER	DESCRIPTION
1	381 214 R11	PLATE ASSY, FRONT END WEIGHT MOUNTING
	271 769	SCREW, 3/4-10 X 1-3/4 ZND HEX-HD CAP -2-
	271 767	SCREW, 3/4-10 X 1-1/2 ZND HEX-HD CAP -2-
P	131 046	WASHER, 3/4 C-Z MED LOCK -2-
-	220 086	NUT, 3/4-10 C-Z HEX -4-
2	381 216 R1	WEIGHT, FRONT END -8-
3	381 217 R1	SHAFT, FRONT END WEIGHT CROSS TIE
	220 087	NUT, 7/8-9 C-Z HEX.
	427 691	NUT, 7/8-9 C-Z SQ
4	492 065 R2	BRACKET ASSY, FRONT WEIGHT
	271 765	SCREW, 3/4-10 X 1-1/4 ZND HEX-HD CAP -4-
	131 046	WASHER, 3/4-10 C-Z MED LOCK -4-

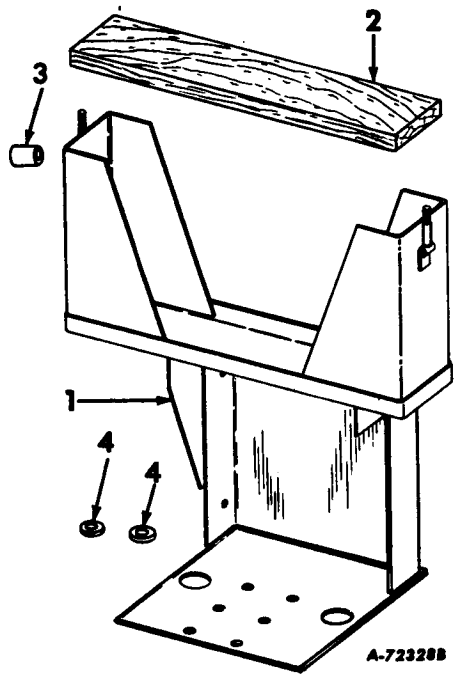
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

BATTERY MOUNTING BRACKET -FOR I-504 & I-606 DIESEL TRACTORS-



REF. NO.	PART NUMBER	DESCRIPTION
1	471 555 R1	BRACKET, BATTERY MOUNTING
	120 378	NUT, 1/2-13 C-Z HEX. -4-
	180 175	SCREW, 1/2-13 X 1-1/4 C-Z HEX-HD CAP -4-
	180 191	SCREW, 1/2-13 X 3-1/4 C-Z HEX-HD CAP -2-
	120 384	WASHER, 1/2 C-Z MED LOCK -4-
M	81 610	SPACER, BATTERY MOUNTING BRACKET -2- -FOR I-2504 AND I-606 DIESEL-
	313 517 R1	KEY, SQUARE
	664 151 R1	SPACER, BATTERY MOUNTING BRACKET -FOR I-504, I-606, I-2504 & I-2606

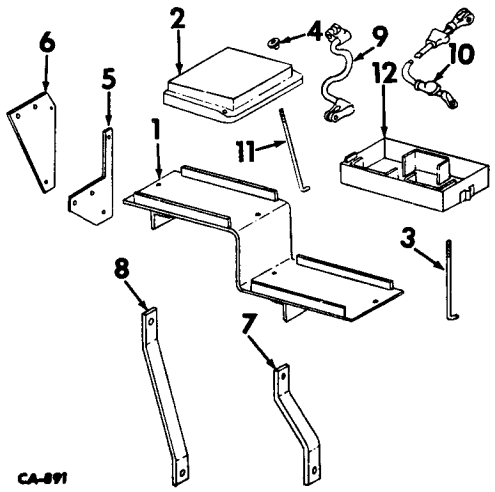
BATTERY TRAY -FOR 3414 AND 3444 LOADER TRACTORS



REF. NO.	PART NUMBER	DESCRIPTION
1	393 826 R91	TRAY ASSY, BATTERY BOX
	180 175	SCREW, 1/2-13 X 1-1/4 C-Z HEX-HD CAP -6-
	50 939 DA	SCREW, BATTERY BOX -2-
2	471 161 R1	SPACER, BATTERY -FOR GASOLINE VERSION ONLY-
3	619 260 R1	SPACER, BATTERY BOX -2- -FOR 3444 LOADER TRACTOR-
3 N	10 268	SPACER, BATTERY BOX -2- -FOR 3444 LOADER TRACTOR-
4	390 554 R1	WASHER, BATTERY BOX -4 USED W/3414 TRACTORS- -2 USED W/3444 TRACTORS-
	472 086 R91	CABLE ASSY, BATTERY TO SOLENOID SWITCH -FOR 3444 LOADER TRACTOR-
	384 555 R1	CLIP, FLASHING LIGHT CABLE

-91- SECTION D
3121 BACKHOE
BKH-1

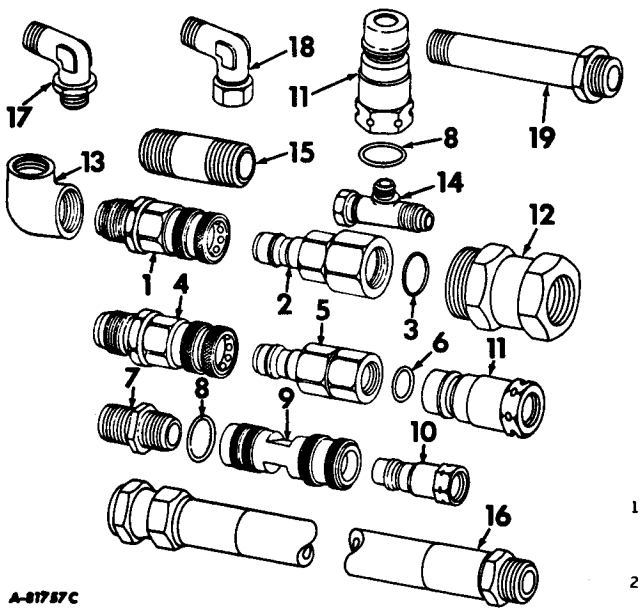
BATTERY TRAY AND CONNECTIONS -2544 TRACTORS-



REF. NO.	PART NUMBER	DESCRIPTION
1	491 787 R2	TRAY ASSY, BATTERY
	180 122	SCREW, 3/8-16 X 1 ZND HEX-HD CAP -3-
	120 382	WASHER, 3/8 C-Z MED LOCK -4-
	120 377	NUT, 3/8-16 C-Z HEX. -4-
1	492 408 R1	TRAY ASSY, BATTERY -TRACTORS W/2000 OR 3000 LOADERS-
2	389 014 R1	COVER, BATTERY -2-
3	389 015 R1	ROD, BATTERY HOLD DOWN -4-
4	388 216 R1	KNOB, BATTERY COVER HOLD DOWN -4-
	120 393	WASHER, 11/32 X 11/16 X .051 C-Z -4-
5	492 412 R1	BRACKET, BATTERY TRAY
	180 020	SCREW, 1/4-20 X 3/4 ZND HEX-HD CAP -4-
	120 380	WASHER, 1/4 C-Z MED LOCK -4-
	120 375	NUT, 1/4-20 C-Z HEX. -4-
6	492 413 R1	BRACKET, BATTERY TRAY
7	492 414 R1	BRACE, BATTERY TRAY
	180 125	SCREW, 3/4-16 X 1-3/8 ZND HEX-HD CAP -3-
	120 382	WASHER, 3/8 C-Z MED LOCK -2-
	120 377	NUT, 3/8-16 C-Z HEX. -2-
8	492 415 R1	BRACE, BATTERY TRAY
9	492 416 R1	CABLE ASSY, BATTERY TO BATTERY
10	492 016 R1	CABLE ASSY, BATTERY TO SOLENOID SWITCH
11	315 716 R1	ROD, BATTERY HOLD DOWN -2- -GASOLINE ENGINE TRACTORS-
	219 210	NUT, 1/4-28 WING ZN -2-
	21 549 R1	WASHER, 9/32 X 3/4 X 18 GA ZN -2-
12	491 791 R2	COVER ASSY, BATTERY -GASOLINE ENGINE TRACTORS-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC QUICK DISCONNECT COUPLER ATTACHMENT-



A - FOR USE W/INTERNATIONAL 504, 606, 2504 & 2606 TRACTORS W/ INDEPENDENT SUBFRAME AND INTERNATIONAL 3444 TRACTOR W/AUX VALVES & W/ORW/O HITCH-

B - FOR USE W/INTERNATIONAL 2424 & 2444 TRACTORS W/O POWER STEERING & W/O HITCH-

C - FOR USE W/INTERNATIONAL 2424 & 2444 TRACTORS W/OR W/O POWER STEERING & HITCH-

D - FOR USE W/INTERNATIONAL 504, 606, 2504 & 2606 TRACTOR W/LOADER-

E - FOR USE W/INTERNATIONAL 3414 TRACTOR W/HITCH-

F - FOR USE W/INTERNATIONAL 3414 TRACTOR W/O HITCH-

G - FOR USE W/INTERNATIONAL 3514 AND 3616 TRACTOR-

H - FOR USE W/ INTERNATIONAL 3444 TRACTORS W/HITCH & W/O AUX VALVES & W/O DIVERTER VALVE-

J - FOR USE W/ INTERNATIONAL 3444 TRACTORS W/O HITCH & W/O AUX VALVES & W/DIVERTER VALVE-

K - FOR USE W/ INTERNATIONAL 504 606, 2504 & 2606 TRACTORS W/ INDEPENDENT SUBFRAME-

3121 BACKHOE -92- SECTION D

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC QUICK DISCONNECT COUPLER -CONTINUED ATTACHMENT-

-CONTINUED

L - FOR USE W/ INTERNATIONAL 3444 TRACTORS W/HITCH & W/ AUX VALVES & W/O DIVERTER VALVE-

M - FOR USE W/ INTERNATIONAL 3444 TRACTORS W/O HITCH & W/AUX VALVES-

N - FOR USE W/INTERNATIONAL 504 606, 2504, 2606 W/INDEPENDENT SUBFRAME, 500 CRAWLER TRACTOR & 3444 TRACTOR W/AUX VALVES & W/ORW/O HITCH-

P - FOR USE W/3444 TRACTORS W/HITCH & W/AUX VALVES & WITH DIVERTER VALVE-

R - FOR USE WITH 500 C CRAWLER TRACTORS-

1	480 744 R91	COUPLER ASSY, HYD-SNAP TITE- -UNITS B, C, G, N & R- -2 FOR UNIT A-
2	480 743 R91	NIPPLE ASSY, HYD -SNAP TITE- -UNITS B, C, G, N & R- -2 FOR UNIT A-
3	296 247 R1	O-RING, 1-11/64 X 1-13/32 X 7/64 -UNITS B, C, G, H, J & N- -3 FOR UNIT A-
4	480 746 R91	COUPLER ASSY, HYD-SNAP TITE- -UNITS B, C, G & N-
5	480 745 R91	NIPPLE ASSY, HYD -SNAP TITE- -UNITS B, C & N-
6	297 459 R1	O-RING, 1-3/64 X 1-9/32 X 1/8 -UNITS B, C, G & N-
7	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED -UNIT B, C, D, F, G, J, K AND M-
8	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -UNIT L AND H- -2 FOR UNITS D, E, G & R- -3 FOR UNIT B, C, F, G, K, J, M AND P-
9	395 150 R91	COUPLER ASSY, SELF-SEALING FEMALE -UNIT B, C, D, F, G, H, J, K, L, M, P & R-
9	395 152 R91	COUPLER ASSY, SELF-SEALING PIPE THD FEMALE -1 FOR UNIT E-
10	395 151 R1	COUPLER ASSY, SELF-SEALING PIPE THD MALE -UNIT E, H AND L-
11	395 149 R91	COUPLER ASSY, SELF-SEALING MALE -2 FOR UNIT B, C, D, F, G, J, K, M AND P-
12	485 313 R1	CONNECTOR, 7/8-14 37 DEG SWIVEL -UNITS D, F, G, K, M, P & R- -2 FOR UNIT B, C AND J-
12	485 312 R1	CONNECTOR, 1-3/16-12 37 DEG SWIVEL -UNIT B, C, D, E, F, G, H AND J-
12	481 766 R1	CONNECTOR, 1-5/16-12 37 DEG HYD FLARED -UNIT B, C, D, E, F, G, H AND J- -2 FOR UNIT K, L, M AND P-
13	444 045	ELBOW, 1/2-14 C-Z AUTO 90 DEG ST. -UNIT E-
14	485 314 R2	TEE, SWIVEL RUN REDUCER -UNITS B, C, D, G & K-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC QUICK DISCONNECT COUPLER -CONTINUED	
		ATTACHMENT-	
15	140 537	NIPPLE, 1/2-14 X 2 PIPE -UNIT E-	
15	192 075	NIPPLE, 1/2 X 1-1/2 C-Z PIPE -UNIT H AND L-	
16	477 881 R91	HOSE ASSY, HYD -UNIT D AND K-	
17	9 410 978	ELBOW, 7/8-14 HYD 37 DEG FLARED TUBE ADJ STR-THD 90 DEG -UNITS H, L, P & R-	
18	9 410 285	ELBOW, 1-5/16-12 HYD 37 DEG FLARED TUBE 90 DEG SWIVEL -UNITS H, J & R- -2 FOR UNIT L, M AND P-	
18	9 410 282	ELBOW, 7/8-14 HYD 37 DEG FLARED TUBE 90 DEG SWIVEL -UNIT J AND M-	
19	9 410 207	CONNECTOR, 1-5/16-12 HYD 37 DEG FLARED TUBE SHORT SWIVEL -UNIT H, J, L, M AND P-	
	2 752 936 R1	PRODUCT GRAPHIC, WARNING -BE SURE HYD QUICK COUPLERS ARE PROPERLY CONNECTED BEFORE STARTING ENGINE- -UNITS A, B, C, G & N-	
	481 805 R91	SERVICE KIT, -FOR SNAP TITE COUPLINGS COMPOSED OF- 5 O-RINGS 1 BACK-UP RING -UNITS A, B, C, G & N-	

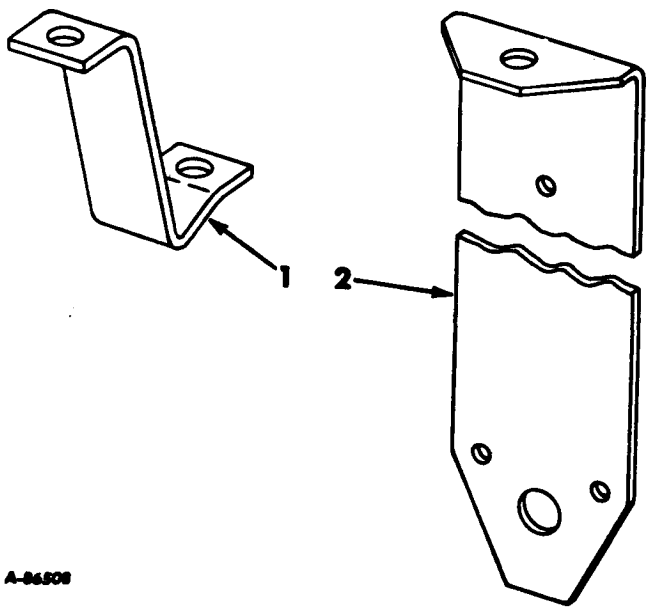
3121 BACKHOE -93- SECTION D

REF. NO. PART NUMBER DESCRIPTION BKH-1

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

FLASHING LIGHT BRACKETS



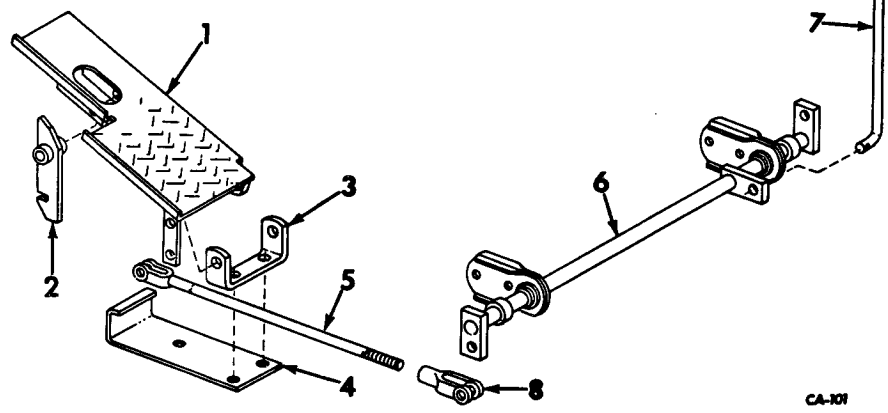
1	394 420 R1	BRACKET, FLASHING LIGHT -FOR USE ON 3414 AND 3444 TRACTORS-
	120 378	NUT, 1/2-20 C-Z HEX.
	180 173	SCREW, 1/2-20 X 1 HEX-HD CAP
	120 389	WASHER, 1/2 X 1-1/4 X .064 C-Z
	120 384	WASHER, 1/2 C-Z MED LOCK
2	485 354 R1	BRACKET, TAIL AND FLASHING LIGHT -FOR USE ON INTERNATIONAL 504, 606, 2424, 2444, 2504 & 2606 TRACTORS-
	392 064 R91	CABLE ASSY, -FOR USE ON INTERNATIONAL 504, 606, 2504 AND 2606 TRACTORS-

3121 BACKHOE -94- SECTION D

REF. NO. PART NUMBER DESCRIPTION BKH-1

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

FOOT OPERATED SWING ATTACHMENT
-3800 SERIES TRACTOR-



REF. NO.	PART NUMBER	DESCRIPTION
1	491 821 R1	PEDAL ASSY, FOOT LH
1	491 822 R1	PEDAL ASSY, FOOT RH
2	491 828 R11	LOCK ASSY, PEDAL -2-
	477 299 R1	PIN, 7/16 X 2-1/8 C-Z STD-HD -2-
	18 481 R1	PIN, 3/16 X 1 C-Z COT. -2-
	493 746 R1	PAD, PEDAL LOCK -2-
3	491 829 R1	BRACKET, PEDAL -2-
4	491 830 R1	STRAP, PEDAL LOCK -2-
	180 079	SCREW, 5/16-18 X 1 ZND HEX-HD CAP -4-
	19 286 R1	BOLT, 5/16-18 X 3/4 CDP HEX-HD MACH -2-
	120 214	WASHER, 5/16 C-Z MED LOCK -6-
	120 376	NUT, 5/16-18 C-Z HEX. -6-
Q	3 553	PIN, 1/2 X 5 STD-HD -2-
	120 396	WASHER, 17/32 X 1-1/16 X .074 -2-
	103 407	PIN, 3/16 X 1 COT. -2-
5	491 831 R1	ROD ASSY, FOOT PEDAL -2-
6	491 833 R2	SHAFT ASSY, CROSS
	180 022	SCREW, 1/4-20 X 1 ZND HEX-HD CAP -4- -4-
	120 392	WASHER, 9/32 X 5/8 X .065 C-Z -8-
	120 380	WASHER, 1/4 C-Z MED LOCK -4-
	493 747 R1	NUT, TWIN
7	491 838 R2	ROD, SWING VALVE CONTROL
	120 394	WASHER, 13/32 X 13/16 X .051 -2-
	585 614 R1	PIN, QUICK ATTACHING COTTER -2-
8	148 382	CLEVIS, ADJUSTABLE END -2-
	124 925	NUT, 3/8-24 JAM -2-
	446 548	WASHER, 3/8 X 3/4 X .051 -4-
	138 084	PIN, 3/8 X 1-3/32 STD-HD -4-
	121 222	PIN, 3/32 X 3/4 COT. -4-

3121 BACKHOE -95- SECTION D
BKH-1

FOOT OPERATED SWING ATTACHMENT -CONTINUED
-3800 SERIES TRACTOR-

PRINTED IN UNITED STATES OF AMERICA
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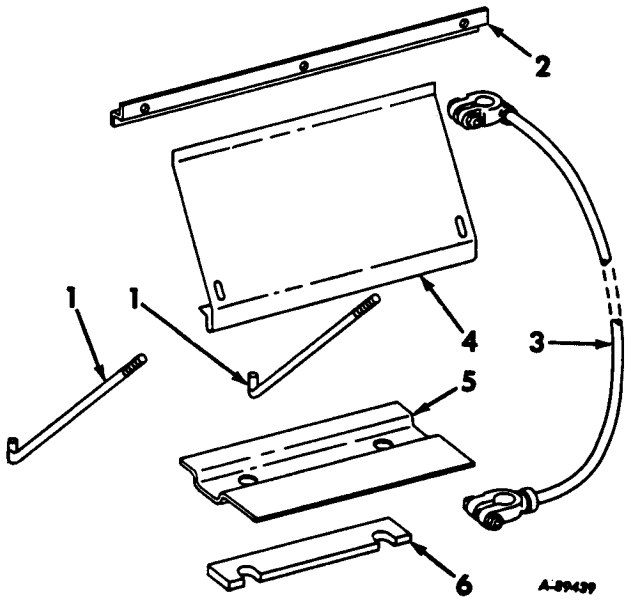
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

BATTERY CONNECTIONS
-INTERNATIONAL 2424 & 2444 DIESEL
TRACTORS WITH 2000 OR 2050 LOADER-



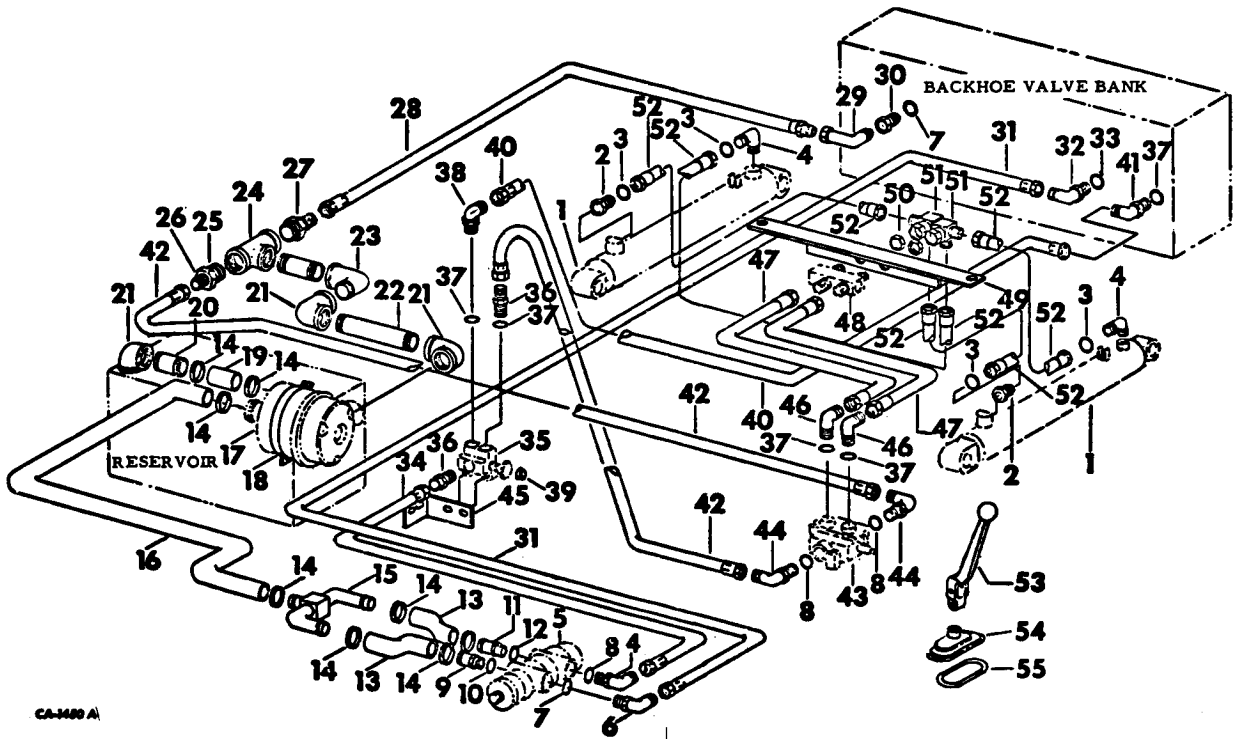
1	377 677 R1	ROD, BATTERY HOLD DOWN -2-
	147 577	WASHER, 1/2 X 9/16 X .065 -2-
	103 127	NUT, 1/4-20 WING -2-
2	391 880 R1	STRIP, DIESEL BATTERY RH
	180 016	SCREW, 1/4-20 X 1/2 C-Z HEX-HD CAP -3-
	120 380	WASHER, 1/4 C-Z MED LOCK -3-
	120 375	NUT, 1/4 C-Z HEX. -3-
3	384 974 R91	CABLE ASSY, BATTERY TO BATTERY
	106 266	WASHER, 5/8 -4-
4	388 738 R2	COVER, DIESEL BATTERY W/ BACKHOE -2-
5	392 288 R1	SUPPORT, BATTERY -2-
6	480 966 R1	BAR, FENDER SPACER -2-

3121 BACKHOE -96- SECTION D

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 12

HYDRAULIC TUBING AND CONNECTIONS
-FOR TRUCK MOUNTED BACKHOE-



REF. NO.	PART NUMBER	DESCRIPTION
1	545 034 R91	CYLINDER ASSY, TILT -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-
2	9 410 203	UNION, 3/4-16 37 DEG HYD FLARED TUBE SHORT SWIVEL -2-
3	570 828 R1	O-RING, 1/2 OD TUBE -4-
4	9 410 979	ELBOW, 1-1/16-12 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG -3-
5	547 361 R91	PUMP ASSY, TANDEM -ONLY SERVICE ITEMS ARE STUD SHORT /627 756 C1, STUD LONG/55 975 C1, WASHER/524 443 R1, NUT/19 724 R1, PLATE THRUST/627 758 C1 AND KIT/ 55 976 C1-
	180 175	SCREW, 1/2-13 X 1-1/4 ZND HEX-HD CAP -4-
	120 384	WASHER, 1/2 ZND LOCK -4-
6	9 410 981	ELBOW, 1-5/16-12 37 DEG FLARED TUBE ADJ STR-THD 90 DEG
7	296 247 R1	O-RING, 1 OD TUBE -2-
8	368 269 R1	O-RING, 3/4 OD TUBE -3-
9	547 362 R1	FITTING, PUMP SUCTION INLET
10	301 016 R1	O-RING, 1-1/2 OD TUBE
11	547 363 R1	FITTING, PUMP SUCTION INLET

-97- SECTION D
3121 BACKHOE
BKH-1

HYDRAULIC TUBING AND CONNECTIONS -CONTINUED
-FOR TRUCK MOUNTED BACKHOE-

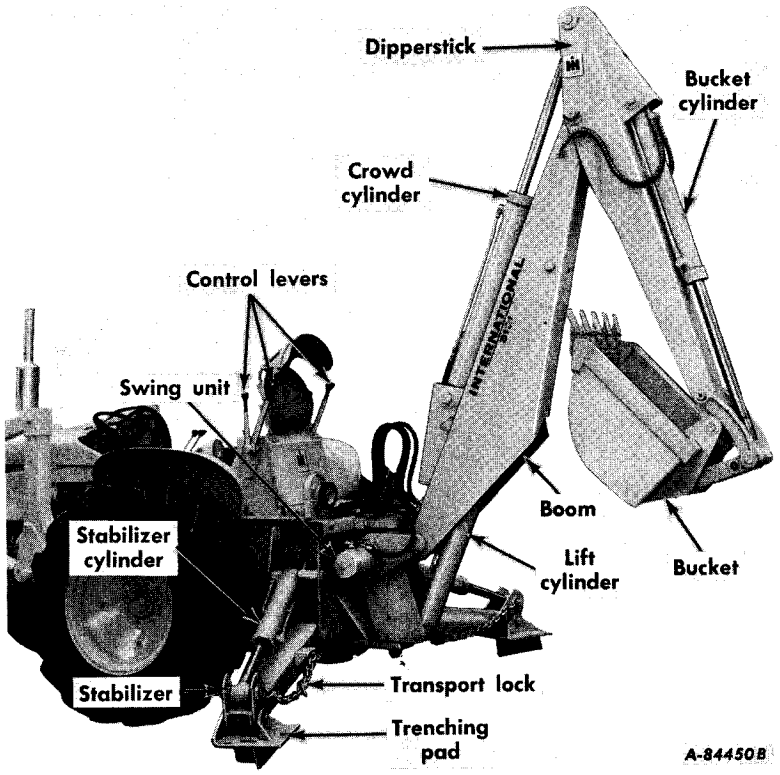
REF. NO.	PART NUMBER	DESCRIPTION
12	307 915 R1	O-RING, 1-1/4 OD TUBE
13	547 364 R1	HOSE, SUCTION -2-
14	279 027 R91	CLAMP, HOSE -8-
15	547 365 R1	TEE ASSY, MANIFOLD TUBE
16	547 369 R1	HOSE, PUMP SUCTION
17	547 254 R91	FILTER ASSY -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC OIL FILTER-
18	544 500 R1	CLAMP ASSY, FILTER
	180 122	SCREW, 3/8-16 X 1 ZND HEX-HD CAP -3-
	120 382	WASHER, 3/8 ZND MED LOCK -3-
	120 377	NUT, 3/8-16 ZND HEX. -3-
19	480 901 R1	HOSE, FILTER SUCTION
20	219 801	NIPPLE, 1-1/4 PIPE X 7 IN. LONG -2-
21	127 823	ELBOW, 1-1/4 PIPE 90 DEG STREET -3-
22	547 370 R1	NIPPLE, 1-1/4 PIPE X 15.5 IN. LONG
23	127 824	ELBOW, 1-1/4 PIPE 90 DEG
24	187 408	TEE, 1-1/4 PIPE
25	144 055	ADAPTER, 1-1/2 IN. PIPE REDUCING

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC TUBING AND CONNECTIONS -CONTINUED -FOR TRUCK MOUNTED BACKHOE-	
26	9 402 710	CONNECTOR, 1/2 IN. PIPE TO 7/8-14 JIC 37 DEG THD	
27	9 402 713	CONNECTOR, 1 IN. PIPE TO 1-5/16-12 JIC 37 DEG THD	
28	547 371 R1	HOSE ASSY, BACKHOE RETURN	
29	9 410 285	ELBOW, 1-5/16-12 37 DEG FLARED TUBE 90 DEG SWIVEL	
30	481 766 R1	ADAPTER, 1-5/16-12 37 DEG FLARED TUBE	
31	547 372 R1	HOSE ASSY, PUMP TO BACKHOE MID-SECTION INLET	
32	533 566 R1	ELBOW, 1-3/16-12 STR-THD TO 1-5/16-12 37 DEG JIC THD	
33	297 459 R1	O-RING, 7/8 OD TUBE	
34	547 373 R1	HOSE ASSY, PUMP TO SELECTOR VALVE	
35	389 251 R92	VALVE ASSY, SELECTOR -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVE-	
	180 087	SCREW, 5/16-18 X 2 ZND HEX-HD CAP -2-	
	120 214	WASHER, 5/16 ZND MED LOCK -2-	
	120 376	NUT, 5/16-18 ZND HEX. -2-	
36	9 410 204	UNION, 7/8-14 37 DEG FLARED TUBE SHORT SWIVEL -3-	
37	364 885 R1	O-RING, 5/8 OD TUBE -6-	
38	9 410 978	ELBOW, 7/8-14 37 DEG FLARED TUBE ADJ STR-THD 90 DEG	
39	547 374 R1	SPACER, SELECTOR VALVE HANDLE	
40	547 375 R1	HOSE ASSY, SELECTOR VALVE TO SWING INLET	
41	9 410 282	ELBOW, 7/8-14 37 DEG FLARED TUBE SWIVEL 90 DEG	
42	394 902 R91	HOSE ASSY, BOOM TO LIFT CYLINDER -2-	
43	547 376 R91	VALVE ASSY, TILT CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC TILT CONTROL VALVE-	
	180 134	SCREW, 3/8-16 X 2-1/2 ZND HEX-HD CAP -3-	
	120 382	WASHER, 3/8 ZND MED LOCK -3-	
	120 377	NUT, 3/8-16 ZND HEX. -3-	
44	633 460 R91	ELBOW, 1-1/16-12 STR-THD TO 7/8-14 37 DEG JIC REDUCER 90 DEG -2-	
45	547 377 R1	BRACKET, SELECTOR VALVE MOUNTING	
	271 715	SCREW, 5/8-11 X 1 ZND HEX-HD CAP -2-	
	121 574	WASHER, 5/8 ZND MED LOCK -2-	
	124 589	NUT, 5/8-11 ZND HEX. -2-	
46	936 450 R91	ELBOW, 7/8-14 STR-THD TO 3/4-16 37 DEG JIC 90 DEG REDUCING -2-	
47	547 378 R1	HOSE ASSY, TILT VALVE TO CHECK VALVE -2-	
48	400 433 R91	VALVE ASSY, STABILIZER CHECK -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF CHECK VALVE STABILIZER-	

3121 BACKHOE -98- SECTION D

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC TUBING AND CONNECTIONS -CONTINUED -FOR TRUCK MOUNTED BACKHOE-	
49	547 379 R1	BRACKET, TILT CYLINDER CHECK VALVE	
	180 122	SCREW, 3/8-16 X 1 ZND HEX-HD CAP -2-	
	120 382	WASHER, 3/8 ZND MED LOCK -2-	
	120 377	NUT, 3/8-16 ZND HEX. -2-	
50	9 403 294	NUT, 3/4-16 BULKHEAD UNION -2-	
51	382 761 R1	ELBOW, OIL COOLER TUBES -2-	
52	547 380 R1	HOSE ASSY, TILT CYLINDERS -4-	
53		HANDLE, VALVE -REFER TO HYDRAULIC TILT CONTROL VALVE LISTING-	
54	357 574 C1	SEAL, TILT VALVE HANDLE	
55	357 575 C1	RETAINER, TILT VALVE HANDLE SEAL	
	23 986 R1	SCREW, 1/4-14 X 1/2 ZND HEX-WASHER-HD -4-	
		PRODUCT GRAPHICS	
	484 730 R92	PACKAGE, PRODUCT GRAPHICS, 3121 BACKHOE -CONSISTS OF	
2	751 154 R1	$ PRODUCT GRAPHICS, LIFT & CROWD CONTROL INSTRUCTIONS -ON RH VALVE MOUNTING PLATE-	
2	752 532 R1	$ PRODUCT GRAPHICS, CONTROL INSTRUCTIONS -ON LH VALVE MOUNTING PLATE-	
2	752 531 R1	$ PRODUCT GRAPHICS, CONTROL INSTRUCTIONS -ON VALVE MOUNTING PLATE- -2-	
2	753 293 R1	PRODUCT GRAPHIC, MODEL DESIGNATION -2-	
2	752 019 R1	PRODUCT GRAPHICS, IH -ON BOTH SIDES ADN ON TOP OF DIPPERSTICK- -3-	
2	752 300 R1	PRODUCT GRAPHICS, INTERNATIONAL -BOTH SIDES OF BOOM- -2-	
2	752 018 R1	PRODUCT GRAPHICS, IH -ON FRONT CONTROL SHROUD-	
2	754 177 R1	PRODUCT GRAPHIC, LOCKOUT VALVE	
	142 862	SCREW, NO. 4 X 1/4 RD-HD BLUNT METAL -8-	

BKH-1



International 3131 Backhoe shown on International 2504 Tractor

INTERNATIONAL 3131 BACKHOE

Built 1965 and Since

INDEX TO UNITS BKH-1

DESCRIPTION	Page
BOOM	7
BRACKETS	
Battery Mounting (For International 504 and 606 Diesel Tractors)	88
Fender	
For International 504, 606, 2504 and 2606 Tractors	17
For International 424, 444, 2424 and 2444 Tractors	13
For International 3414 and 3444 Loader Tractors	14
Flashing Light	92
BUCKET	7
CONNECTIONS, Battery	
For 2424 and 2444 Diesel Tractors	94
CONTROLS, Hydraulic	
All Tractors except 500 C Crawler	23
For 500C Crawler Tractor	25
COUNTERWEIGHT, Front	88
COUPLER, Quick Disconnect	90
CYLINDERS, Hydraulic	
Bucket	7, 10
Crowd	7, 10
Power Steering	68
Stabilizer	7, 10
DIPPERSTICK	7
FILTER, Oil	71
FLANGE, Pump Mounting (For International 504, 606, 2504 and 2606 Tractors equipped w/2000 or 3000 Loader or Independent Subframe)	38
FRAME, Main	5
HYDRAULIC CONNECTIONS	
Basic	33
For International 2424 and 2444 Tractors equipped w/Loader	44
For International 2444 Tractor w/o Hydraulic Lift or Power Steering	41

DESCRIPTION	Page
HYDRAULIC CONNECTIONS -Continued-	
For 2444 Tractor w/o Power Steering	41
For International 3414 Loader Tractor with Auxiliary Valve	53
For International 3414 Loader Tractor with Hydraulic Lift	51
For International 3414 Loader Tractor with Hydraulic Lift and Auxiliary Valve	52
For International 3414 Loader Tractor w/o Hydraulic Lift and Auxiliary Valve	55
For International 3514 and 3616 Loader Tractors	47
For International 3514 and 3616 Loader Tractors w/Hydrostatic Drive	49
For International 3444 Tractors w/Hydraulic Lift and w/Auxiliary Valve	57
For International 3444 Tractors w/o Hydraulic Lift and w/Auxiliary Valve	58
For International 3444 Tractors w/o Hydraulic Lift and w/o Auxiliary Valve	60
For International 3444 Tractors w/Hydraulic Lift and w/o Auxiliary Valve	62
For International 3444 Tractor w/Hydraulic Lift, Diverter Valve and w/o Auxiliary Valve	63
For International 2544 Tractor w/Gear Drive	65
For International 2544 Tractor w/Hydrostatic Drive	67
LIGHTING EQUIPMENT	86
PACKAGES, Completing (Field Application)	
Relief Valves	13
Subframe Bolts	13
PADS	5
PRODUCT GRAPHICS	94
PUMP AND POWER SUPPLY CONNECTIONS	
For 500 Crawler Tractors	36
For 500C Crawler Tractors	37

INDEX TO UNITS - Continued BKH-1

DESCRIPTION	Page
PUMP AND POWER SUPPLY CONNECTIONS - Continued	
For International 504, 606, 2504, and 2606 Tractors	35
For International 504, 606, 2504 and 2606 Tractors w/o Loader	35
For International 504, 606, 2504 and 2606 Tractors equipped w/2000 or 3000 Loader or Independent Subframe	34
PUMPS, Hydraulic Gear	
Cessna	
7 GPM	83
9 GPM	84
Diesel 9 GPM	85
Thompson	
7 GPM	82
9 GPM	84
SEAT	22
STABILIZER	5
SUBFRAMES	
For International 504, 606, 2504 and 2606 Tractors	17
For International 424, 444, 2424 and 2444 Tractors	13
For International 3414 and 3444 Loader Tractors	14
For International 3514 and 3616 Loader Tractors	20
For 500 Crawler Tractors w/3050 Loader, 5-G2, 10 or 11 Bullgrader	15
For International 504, 606, 2504 and 2606 Tractors w/o Loader	12
For International 2544 Tractors	18
SUPPORT, Seat	
For International 2424, 504, 2504, 606, 2606 Tractors, 3414 Loader Tractor and 500 Crawler Tractor	22
For International 3514 and 3616 Loader Tractors	20

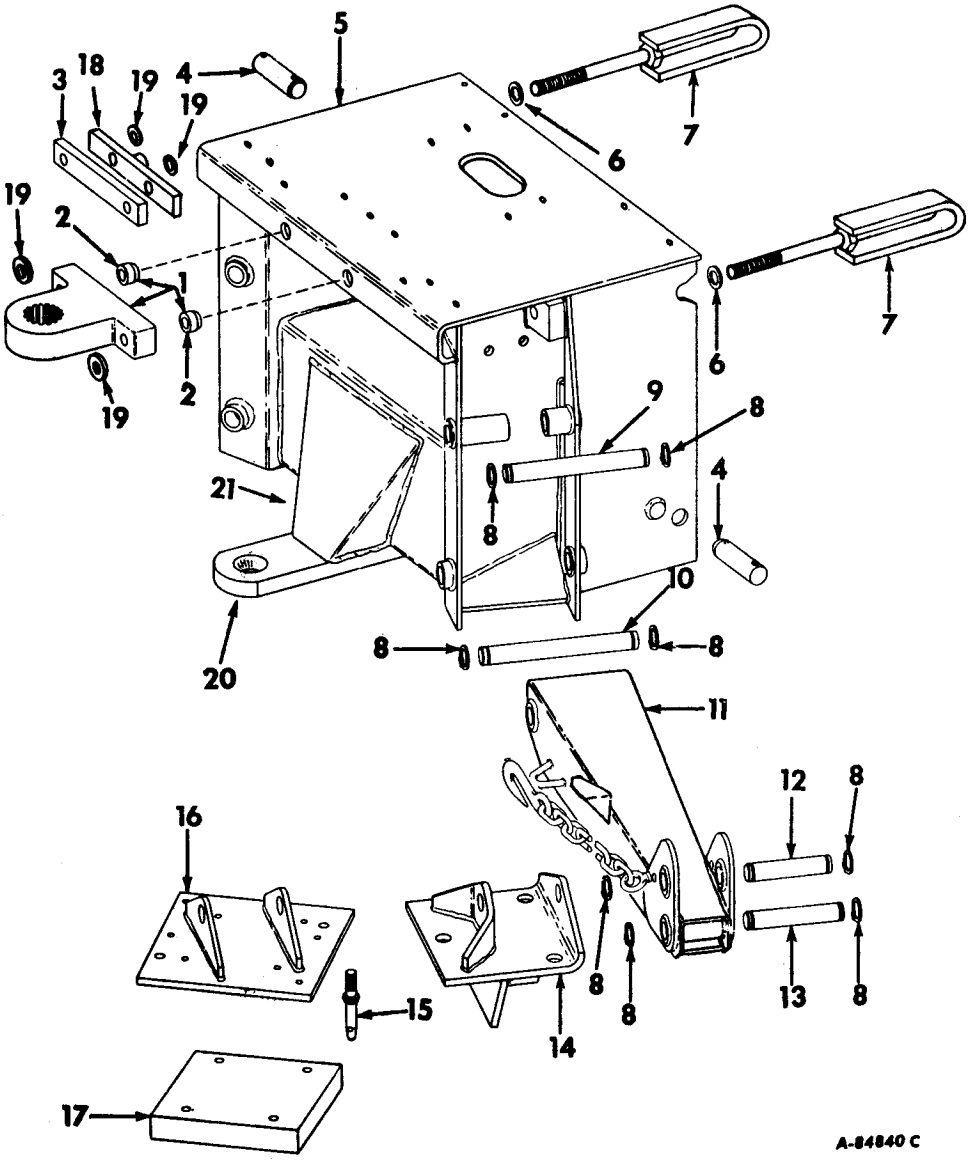
DESCRIPTION	Page
SWING ATTACHMENT, Foot Operated	93
SWING MECHANISM	39
TRAY, Battery	
For 3414 and 3444 Loader Tractors	89
For 2544 International Tractor	89
TUBES, Hydraulic	30
VALVES	
Check	
Lever Operated	74, 75
Stabilizer	73, 77
Control	
All except Crawler Tractor	28
For 500C Crawler Tractors	29
Diverter	
For International 504, 606, 2504 and 2606 Tractors	72
For 3414, 3444, 3514, and 3616 Loader Tractors	72
For International 2424 and 2444 Tractors w/2000 Loader	73
Flow Divider	32
Four Position Control	78
Loader	27
Pilot Relief	81
Pilot Steering	70
Pump, Hand	69
Three Position Control	80
WEIGHT, Bucket	87

DIAGRAMS, Hydraulic ... Refer to Introduction Pages XIII thru XVIII

BKH-1

BKH-1

MAIN FRAME, STABILIZER & PADS



REF. NO.	PART NUMBER	DESCRIPTION
1	468 389 R21	MOUNT W/PILOTS, TOP SWING
	19 925 R1	NUT, 7/8-9 HEX. -2-
	21 021 R1	SCREW, 7/8-9 X 5-1/2 HEX-HD CAP -2-
	289 757 R1	SCREW, 7/8-9 X 4-1/4 HEX-HD CAP -2-
		-FOR 500 C CRAWLER TRACTORS-
2	469 118 R1	PILOT, TOP SWING MOUNT -2-
3	468 388 R2	BAR, BACKUP TOP SWING MOUNT
4	468 639 R1	PIN, MAIN FRAME LOCKING -2-
		-ALL EXCEPT 500 C CRAWLER TRACTOR-
4	492 571 R1	PIN ASSY, TIE BAR
		-FOR 500 C CRAWLER TRACTORS-
	520 174 R1	PIN, QUICK ATTACHING COT. -4-
5	481 688 R91	FRAME ASSY, BACKHOE MAIN
		-ALL EXCEPT 500 C CRAWLER TRACTOR-
5	492 573 R2	FRAME ASSY, BACKHOE MAIN
		-FOR 500 C CRAWLER TRACTORS-
	621 006 C1	PIN, LOCKING -2-

3131 BACKHOE -5- SECTION E

BKH-1

MAIN FRAME, STABILIZER & PADS -CONTINUED

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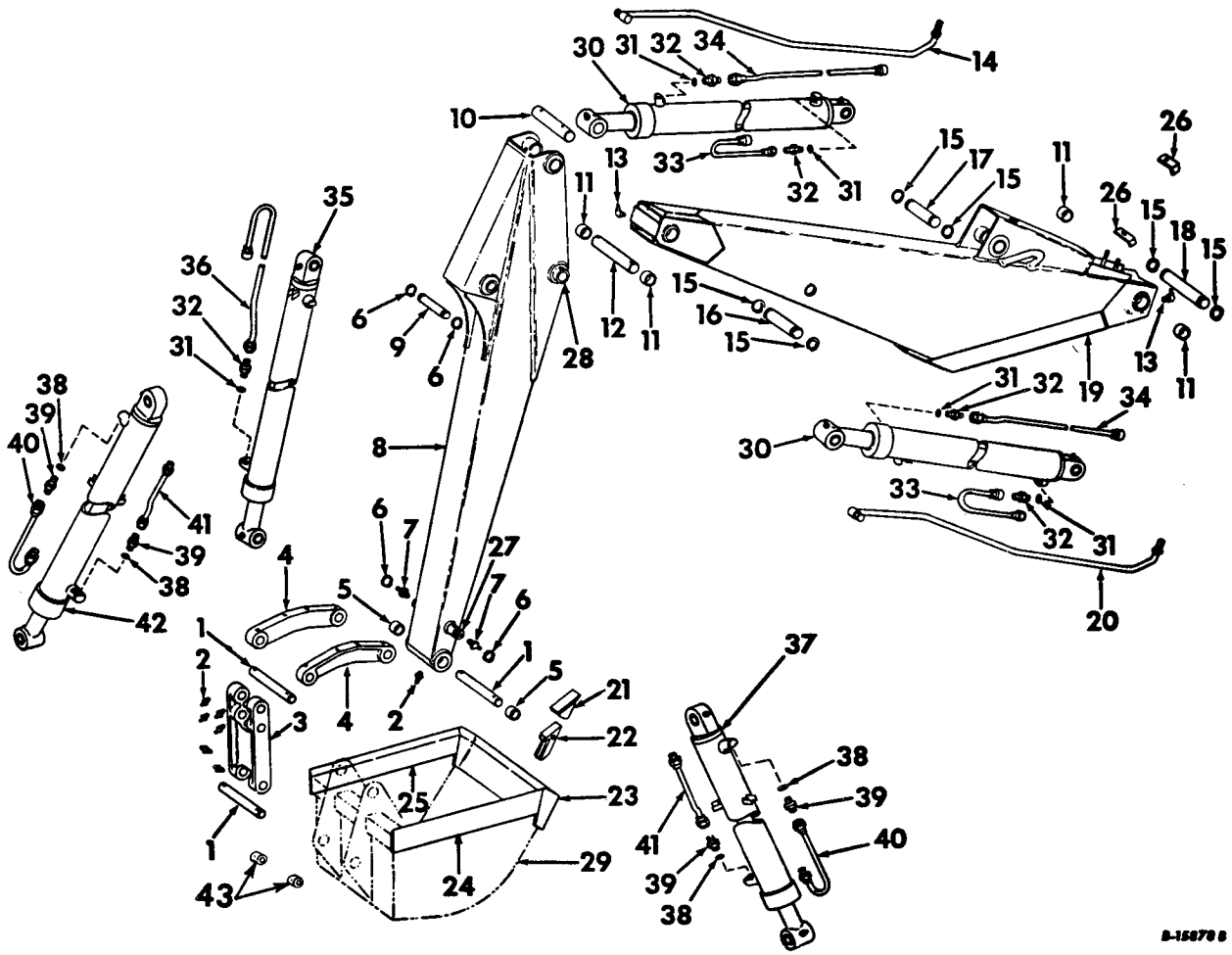
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	MAIN FRAME, STABILIZER & PADS -CONTINUED		
6	470 459 R1	WASHER, 1-1/16 X 2 X 10 GA -SPECIAL- -2-	
7	473 651 R92	BOLT ASSY, MAIN FRAME MOUNTING EYE -2- -NOT USED FOR CRAWLER TRACTORS-	
	220 088	NUT, 1-8 C-Z HEX. -2-	
	426 899	NUT, 1-8 C-Z HEX. JAM -2-	
7	540 966 R1	LUG, MAIN FRAME MTG -2- -FOR 500 C CRAWLER TRACTORS-	
	21 305 R1	SCREW, 1/8 X 3-1/2 HEX-HD CAP TYPE 4 -2-	
8	468 283 R1	RING, EXTERNAL RETAINING -16-	
9	468 638 R2	PIN, STABILIZER CYL TO MAIN FRAME -2-	
10	468 635 R2	PIN, STABILIZER TO MAIN FRAME -2-	
11	468 655 R14	STABILIZER ASSY, BACKHOE LEFT	
11	468 656 R14	STABILIZER ASSY, BACKHOE RIGHT	
12	468 637 R1	PIN, STABILIZER TO CYL -2-	
13	468 636 R1	PIN, STABILIZER TO PAD ASSY -2-	
14	468 392 R11	PAD ASSY, BACKHOE STABILIZER TRENCHING -2-	
15	525 921 R1	PIN, HITCH -FOR SOD PAD- -8-	
	426 767	NUT, 7/8-14 C-Z HEX. -8-	
	131 047	WASHER, 7/8 C-Z MED LOCK -8-	
16	469 103 R91	PAD ASSY, LEFT STABILIZER SOD -SPECIAL-	
16	469 104 R91	PAD ASSY, RIGHT STABILIZER SOD -SPECIAL-	
16	545 742 R1	PLATE ASSY, BASE -2- -FOR 500 C CRAWLER TRACTORS-	
	271 783	SCREW, 3/4-10 X 5 ZND HEX-HD CAP -8-	
	21 101 R1	WASHER, .781 X 2.25 X 11 GA -6-	
	220 086	NUT, 3/4-10 ZND HEX. -6-	
17	469 108 R2	PAD, STABILIZER STREET -2-	
	18 733 R1	BOLT, 3/4-10 X 2-1/2 C-Z CRG -8-	
	131 046	WASHER, 3/4 C-Z MED LOCK -8-	
	220 086	NUT, 3/4-10 C-Z HEX. -8-	
17	544 015 R1	PAD ASSY, STREET -2- -FOR 500 C CRAWLER TRACTORS-	
	271 769	SCREW, 3/4-10 X 1-3/4 ZND HEX-HD CAP -8-	
	131 046	WASHER, 3/4 ZND MED LOCK -8-	
	220 086	NUT, 3/4-10 ZND HEX. -8-	
18	484 483 R1	BAR, BACK-UP OUTER TOP SWING MOUNT	
19	384 697 R1	WASHER, .906 X 1.75 X .164 -4-	
20	468 380 R1	PLATE, MAIN FRAME SWING MOUNT	
21	468 378 R1	GUSSET, MAIN FRAME SWING MOUNT	

3131 BACKHOE -6- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

BOOM, BUCKET, DIPPERSTICK, HYDRAULIC CYLINDERS & CONNECTIONS



REF. NO.	PART NUMBER	DESCRIPTION
1	468 284 R3	PIN, BUCKET LINK -3-
	187 988	PIN, 3/16 X 1-1/4 C-Z COT. -4-
	472 713 R1	PIN, 1/2 X 2-9/16 STD-HD -4-
2	109 461	FITTING, 1/8-27 PTF STR LUB -6-
3	468 289 R1	LINK, REAR BUCKET
4	468 285 R2	LINK, FORWARD BUCKET LH
4	493 398 R1	LINK, FORWARD BUCKET RH
	187 988	PIN, 3/16 X 1-1/4 C-Z COT. -2-
	472 712 R1	PIN, 1/2 X 3-9/16 STD-HD -2-
5	468 280 R1	BUSHING, LINK PIVOT -2-
6	468 283 R1	RING, BUCKET LINK PIVOT SHAFT EXT SNAP -4-
7	109 461	FITTING, 1/8-27 PTF STR LUB -2-
8	472 783 R94	DIPPERSTICK W/BUSHINGS, 14-1/2 FT BACKHOE
9	468 282 R1	PIN, BUCKET CYLINDER TO DIPPERSTICK
10	468 288 R1	PIN, DIPPERSTICK TO CROWD CYLINDER
	187 988	PIN, 3/16 X 1-1/4 C-Z COT. -2-
	272 714 R1	PIN, 1/2 X 3-3/8 STD-HD -2-
11	468 366 R1	BUSHING, BOOM PIVOT CARRIER -4-
12	468 287 R1	PIN, BOOM PIVOT
	187 988	PIN, 3/16 X 1-1/4 C-Z COT. -2-
	472 712 R1	PIN, 1/2 X 3-9/16 STD-HD -2-
	625 688 R1	WASHER, 2-1/32 X 3 X 16 GA -AS REQUIRED-

3131 BACKHOE -7- SECTION E

BOOM, BUCKET, DIPPERSTICK, HYDRAULIC -CONTINUED CYLINDERS & CONNECTIONS

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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		BOOM, BUCKET, DIPPERSTICK, HYDRAULIC -CONTINUED CYLINDERS & CONNECTIONS	
13	109 462	FITTING, 1/8-90 DEG ELBOW LUB -2- -BOOM PIVOT CARRIER-	
14	470 474 R11	TUBE ASSY, BACKHOE BOOM LEFT	
	9 403 295	NUT, 7/8-14 C-Z BULKHEAD UNION LOCK -2-	
	9 403 298	NUT, 1-5/16-12 C-Z BULKHEAD UNION LOCK -2-	
	138 566	WASHER, 7/8 C-Z INTERNAL TOOTH LOCK -2-	
	471 961 R1	WASHER, 1-5/16 C-Z INTERNAL TOOTH LOCK -2-	
15	468 371 R1	RING, EXTERNAL RETAINING -6-	
16	468 367 R1	PIN, BOOM CYLINDER UPPER	
17	468 369 R1	PIN, SHROUD	
18	468 368 R1	PIN, BOOM TO SWING MECHANISM	
	625 688 R1	WASHER, 2-1/32 X 3 X 16 GA -AS REQUIRED-	
19	468 353 R94	BOOM W/BUSHINGS, 12-1/2 FT BACKHOE	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
20	470 475 R11	TUBE ASSY, BACKHOE BOOM RIGHT	
	9 403 295	NUT, 7/8-14 C-Z BULKHEAD UNION LOCK -2-	
	9 403 298	NUT, 1-5/16-12 C-Z BULKHEAD UNION LOCK -2-	
	138 566	WASHER, 7/8 C-Z INT-TOOTH LOCK -2-	
	471 961 R1	WASHER, 1-5/16 C-Z INT-TOOTH LOCK -2-	
21	468 733 R1	TOOTH, POINT -3 USED FOR 12 IN., 4 USED FOR 16, 18 AND 20 IN., 5 USED FOR 22, 24 AND 26 IN., 6 USED FOR 28, 30 AND 32 IN. AND 7 USED FOR 34 AND 36 IN. BUCKET-	
21	485 353 R1	POINT, TOOTH -HEAVY DUTY -4 USED FOR 16 AND 20 IN., 5 USED FOR 22 AND 26 IN., 6 USED FOR 28, 30 AND 32 IN., 7 USED FOR 34 IN.-	
21	470 242 R1	TOOTH, POINT -SPECIAL FOR MOLES PAW TYPE BUCKET- -4 USED FOR 18 IN., 5 USED FOR 24 IN.-	
21	486 913 R1	POINT, LOCK PIN TOOTH	
	486 914 R1	PIN, TOOTH LOCKPIN -4 USED 24 IN. HEAVY DUTY BUCKET- -5 USED 30 IN. HEAVY DUTY BUCKET AND 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET- -6 USED 36 IN. HEAVY DUTY BUCKET-	
21	540 085 R1	POINT, LONG ROCK -4 FOR 24 AND 30 IN. HEAVY DUTY BUCKET-	
21	486 433 R1	POINT, TOOTH -4 FOR 18 & 24 IN. MOLES PAW BUCKET-	
21	540 087 R1	POINT, BREAKER -FRONST BREAKER-	
	540 088 R1	FLEXPIN, POINT	
	23 173 R1	PIN, 1/2 X 2.750 C-Z STD HD -4-	
21	544 872 R1	POINT, WIDE TOOTH -AS REQUIRED-	
22	468 314 R1	SHANK, TOOTH -3 USED FOR 12 IN., 4 USED FOR 16, 18 AND 20 IN., 5 USED FOR 22, 24 AND 26 IN., 6 USED FOR 28, 30 AND 32 IN. AND 7 USED FOR 34 AND 36 IN. BUCKET-	
22	471 547 R1	SHANK, POINT - SPECIAL FOR MOLES PAW TYPE BUCKET- -4 USED FOR 18 IN., 5 USED FOR 24 IN.-	

3131 BACKHOE -8- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		BOOM, BUCKET, DIPPERSTICK, HYDRAULIC -CONTINUED CYLINDERS & CONNECTIONS	
22	486 912 R1	SHANK, LOCK PIN TOOTH -4- -4 USED 24 IN. HEAVY DUTY BUCKET- -5 USED 30 IN. HEAVY DUTY BUCKET AND 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET- -6 USED 36 IN. HEAVY DUTY BUCKET-	
23	468 764 R1	BLADE, FRONT CUTTING -FOR 12 IN. BUCKET-	
23	483 615 R1	BLADE, FRONT CUTTING -FOR 16 IN. BUCKET-	
23	468 758 R1	BLADE, FRONT CUTTING -FOR 18 IN. BUCKET-	
23	480 804 R1	BLADE, FRONT CUTTING -FOR 18 IN. BELL-HOLE BUCKET-	
23	483 621 R1	BLADE, FRONT CUTTING -FOR 20 IN. BUCKET-	
23	483 627 R1	BLADE, FRONT CUTTING -FOR 22 IN. BUCKET-	
23	468 310 R1	BLADE, FRONT CUTTING -FOR 24 IN. BUCKET-	
23	486 919 R1	BLADE, FRONT CUTTING -FOR 24 IN. HIGH CAPACITY HEAVY DUTY AND HEAVY DUTY BUCKET-	
23	480 805 R1	BLADE, FRONT CUTTING -FOR 24 IN. BELL-HOLE BUCKET-	
23	483 633 R1	BLADE, FRONT CUTTING -FOR 26 IN. BUCKET-	
23	483 639 R1	BLADE, FRONT CUTTING -FOR 28 IN. BUCKET-	
23	472 975 R1	BLADE, FRONT CUTTING -FOR 30 IN. BUCKET-	
23	486 928 R1	BLADE, FRONT CUTTING -FOR 30 IN. HEAVY DUTY BUCKET-	
23	483 651 R1	BLADE, FRONT CUTTING -FOR 32 IN. BUCKET-	
23	483 657 R1	BLADE, FRONT CUTTING -FOR 34 IN. BUCKET-	
23	468 770 R1	BLADE, FRONT CUTTING -FOR 36 IN. BUCKET-	
23	480 590 R1	BLADE, FRONT CUTTING -FOR 36 IN. TRENCHING BUCKET-	
23	486 933 R1	BLADE, FRONT CUTTING -FOR 36 IN. HEAVY DUTY BUCKET-	
24	468 313 R1	BAR, RIGHT SIDE CUTTING -FOR 16, 18, 20, 22, 24, 26, 28, 32 AND 34 IN. BUCKET-	
24	486 922 R1	BAR, RIGHT SIDE CUTTING -FOR 24, 30, AND 36 IN. HEAVY DUTY BUCKET-	
24	490 096 R1	BAR, RIGHT SIDE CUTTING -FOR 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET-	
25	468 312 R1	BAR, LEFT SIDE CUTTING -FOR 16, 18, 20, 22, 24, 26, 28, 32 AND 34 IN. BUCKET-	
25	486 921 R1	BAR, LEFT SIDE CUTTING -FOR 24, 30 AND 36 IN. HEAVY DUTY BUCKET-	
25	490 095 R1	BAR, LEFT SIDE CUTTING -FOR 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		BOOM, BUCKET, DIPPERSTICK, HYDRAULIC -CONTINUED	
		CYLINDERS & CONNECTIONS	
26	486 477 R1	CLAMP, HYD. TUBE -2-	
27	468 281 R1	SHAFT, BUCKET LINK PIVOT	
28	468 277 R1	BOSS, BOOM TO DIPPERSTICK -2- -ALSO PART OF DIPPERSTICK ASSY-	
29		BUCKET -SERVICED ONLY AS A MACHINE ATTACHMENT-	
30	385 616 R92	CYLINDER ASSY, 4 X 33.7 -FOR CROWD AND LIFT- -DOUBLE ACTION- -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
31	364 885 R1	O-RING, 5/8 OD TUBE -5-	
32	9 410 204	CONNECTOR, 7/8-14 37 DEG FLARED SHORT SWIVEL -FOR 5/8 TUBE- -5-	
33	481 694 R11	TUBE ASSY, LIFT CYLINDER HEAD END -2-	
34	481 693 R11	TUBE ASSY, LIFT CYLINDER ROD END -2-	
35	385 609 R93	CYLINDER ASSY, 3-1/2 X 27 -FOR BUCKET- -DOUBLE ACTION- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
36	474 284 R11	TUBE ASSY, BUCKET CYLINDER RETURN	
37	385 613 R92	CYLINDER ASSY, 3-1/2 X 18.19 -FOR RIGHT STABILIZER- -DOUBLE ACTION- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
38	570 828 R1	O-RING, 1/2 OD TUBE -8-	
39	9 410 203	CONNECTOR, 3/4-16 37 DEG FLARED SHORT SWIVEL -8-	
40	474 285 R11	TUBE ASSY, STABILIZER CYLINDER FRONT -2-	
41	474 286 R11	TUBE ASSY, STABILIZER CYLINDER REAR -2-	
42	385 612 R92	CYLINDER ASSY, 3-1/2 X 18.19 -FOR LEFT STABILIZER- -DOUBLE ACTION- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
43	468 316 R1	BOSS, BUCKET PIVOT -4- -2 FOR 18 IN. BUCKET W/3.9 CU. FT. CAPACITY AND ALSO ORDER TWO 469 663 R1 BOSS-	
	492 015 R1	DIPSTICK ASSY, TRANSMISSION -2544 TRACTORS W/GEAR DRIVE & 2000 OR 3000 LOADER-	
	541 336 R1	DIPSTICK ASSY, TRANSMISSION -2544 TRACTORS W/HYDROSTATIC DRIVE & 2000 OR 3000 LOADER-	

3131 BACKHOE -9- SECTION E

REF. NO. PART NUMBER DESCRIPTION BKH-1

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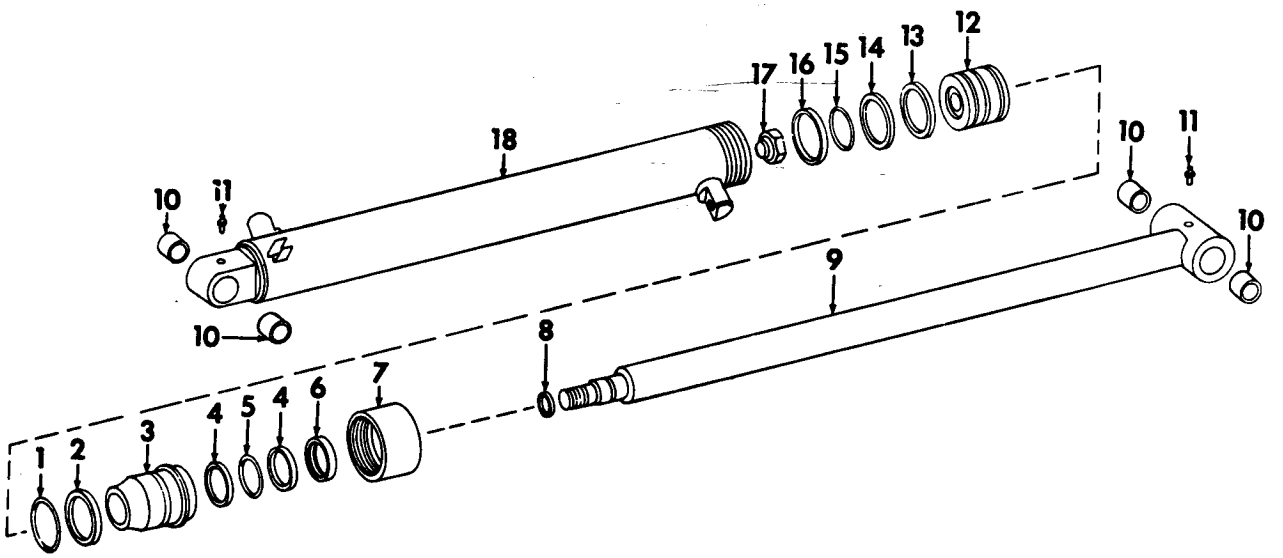
HYDRAULIC CYLINDERS



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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	385 612 R92	CYLINDER ASSY, 3-1/2 X 18.19 -FOR LEFT STABILIZER- -DOUBLE ACTION- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT A-	
	385 613 R92	CYLINDER ASSY, 3-1/2 X 18.19 -FOR RIGHT STABILIZER- -DOUBLE ACTION- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT B-	
	385 616 R92	CYLINDER ASSY, 4 X 33.7- -FOR CROWD AND LIFT- -DOUBLE ACTION- -2- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT C-	
	385 609 R93	CYLINDER ASSY, 3-1/2 X 27 -FOR BUCKET- -DOUBLE ACTION- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT D-	
1	352 216 R1	O-RING, 3/1/8 X 3-1/2 X 3/16 -FRONT HEAD- -UNIT A, B AND D-	
1	347 801 R1	O-RING, 3/5/8 X 4 X 3/16 -FRONT HEAD- -UNIT C-	
2	381 088 R1	WASHER, FRONT HEAD BACK-UP -UNIT A, B AND D-	
2	381 107 R1	WASHER, FRONT HEAD BACK-UP -UNIT C-	
3	381 080 R1	HEAD, FRONT -UNIT A, B AND D-	
3	381 106 R1	HEAD, FRONT -UNIT C-	
4	381 083 R2	WASHER, PISTON ROD BACK-UP -2-	
5	398 978 R1	QUAD RING, PISTON ROD -UNIT A, B AND C-	
6	619 072 C91	WIPER, PISTON ROD -WILL WORK FOR 327 219 R91-	

HYDRAULIC CYLINDERS -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
7	381 089 R1	RING, FRONT HEAD RETAINING -UNIT A, B AND D-	
7	381 111 R1	RING, FRONT HEAD RETAINING -UNIT C-	
8	252 483 R1	O-RING, 1-1/4 X 1-1/2 X 1/8 -PISTON ROD- -UNIT A, B AND D-	
8	293 739 R1	O-RING, 1-3/8 X 1-5/8 X 1/8 -PISTON ROD- -UNIT C-	
9	381 097 R31	ROD W/BUSHING, PISTON -UNIT A AND B-	
9	384 254 R21	ROD W/BUSHING, PISTON -UNIT C-	
9	381 078 R31	ROD W/BUSHING, PISTON -UNIT D-	
10	468 280 R1	BUSHING -UNIT A, B AND D- -4-	
10	468 366 R1	BUSHING -UNIT C- -4-	
11	109 461	FITTING, 1/8-27 PTF STR LUB -2 FOR UNIT A & B- -1 FOR UNIT C & D-	
11	126 152	FITTING, 1/8-27 PTF 45 DEG ANGLE LUB -1 FOR UNIT C & D-	
12	381 084 R3	PISTON, -UNITS A, B & D-	
12	384 255 R2	PISTON -UNIT C-	
13	383 005 R1	RING, PISTON BEARING -FRONT -UNIT A, B AND D- -WILL WORK FOR 381 085 R1-	
13	383 006 R1	RING, PISTON BEARING - FRONT -UNIT C- -WILL WORK FOR 381 112 R1-	
14	381 086 R1	SEAL, PISTON -UNIT A, B AND D-	
14	381 110 R1	SEAL, PISTON -UNIT C-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	HYDRAULIC CYLINDERS -CONTINUED		
15	380 910 R1	O-RING, 3 X 3-3/16 X 3/32 -PISTON SEAL- -UNIT A, B AND D-	
15	381 109 R1	O-RING, 3-1/2 X 3-11/16 X 3/32 -PISTON SEAL -UNIT C-	
16	383 005 R1	RING, PISTON BEARING REAR -UNIT A, B AND D-	
16	383 006 R1	RING, PISTON BEARING REAR -UNIT C-	
17	20 251 R1	NUT, 1-1/8-12 C-Z CONELOK -UNIT A, B AND D-	
17	20 769 R1	NUT, 1-1/2 UNF C-Z LOCK -UNIT C-	
18	385 614 R91	CYLINDER W/BUSHING, HYD LH -UNIT A-	
18	385 615 R91	CYLINDER W/BUSHING, HYD RH -UNIT B-	
18	385 617 R91	CYLINDER W/BUSHING, HYD -UNIT C-	
18	385 610 R92	CYLINDER W/BUSHING, HYD -UNIT D-	
	471 267 R94	PACKAGE, HYD CYL SERVICE -UNITS A, B D-	
		CONSISTS OF -	
		1 O-RING 252 483 R1	
		1 O-RING 352 216 R1	
		1 O-RING 380 910 R1	
		1 QUAD-RING 398 978 R1	
		2 RING 383 005 R1	
		1 SEAL 381 086 R1	
		2 WASHER 381 083 R2	
		1 WASHER 381 088 R1	
		1 WIPER 619 072 C91-	
	471 266 R95	PACKAGE, HYD CUL SERVICE -UNIT C-	
		CONSISTS OF-	
		1 O-RING 252 483 R1	
		1 O-RING 347 801 R1	
		1 QUAD-RING 398 978 R1	
		1 O-RING 381 107 R1	
		1 O-RING 381 109 R1	
		1 O-RING 293 739 R1	
		2 RING 383 006 R91	
		1 SEAL 381 110 R1	
		2 WASHER 381 083 R2	
		1 WIPER 619 072 C91-	

3131 BACKHOE -11- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

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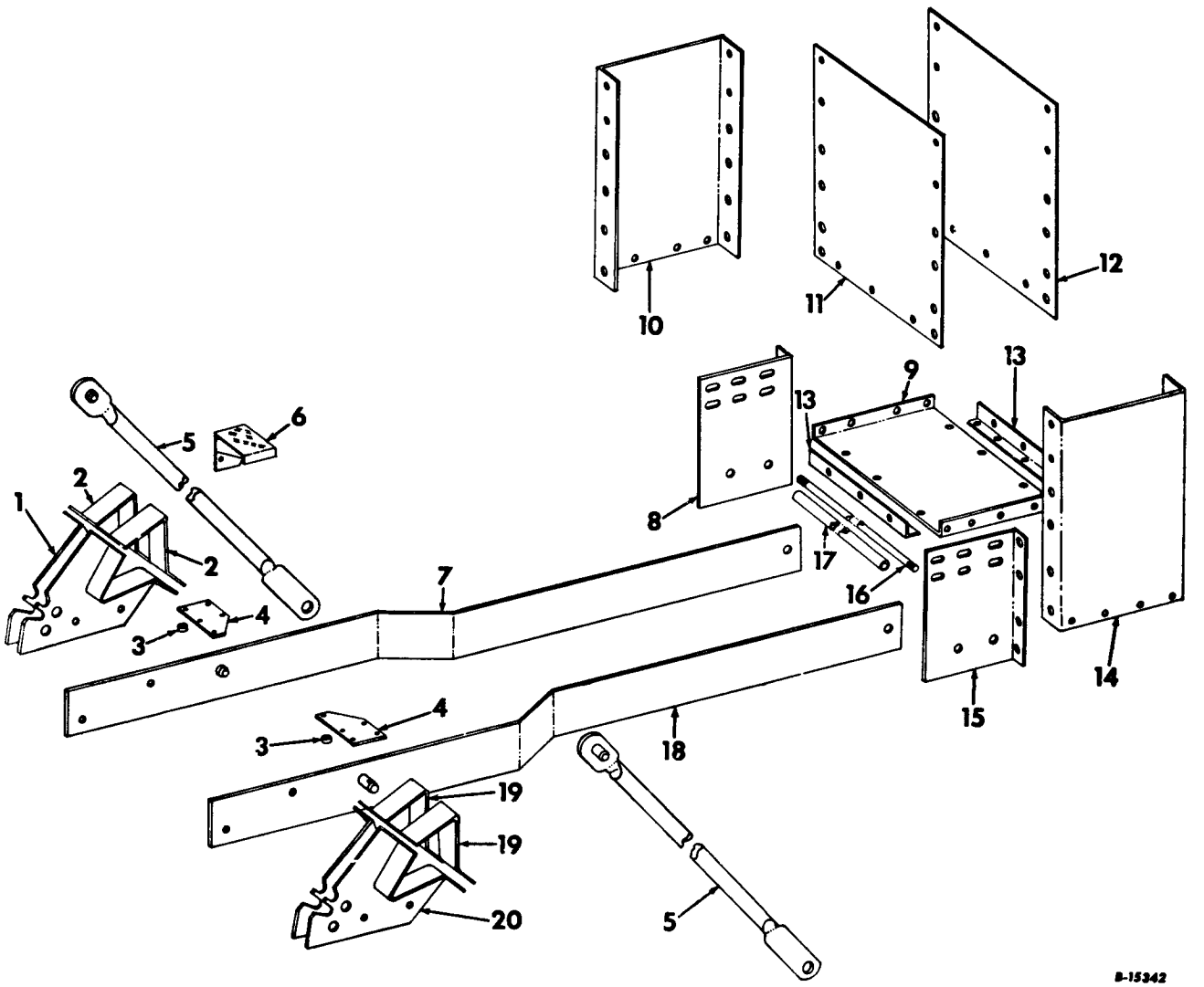
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

INDEPENDENT SUBFRAME W/WEIGHT BOX -FOR USE ON I-504, I-606, I-2504 & I-2606 TRACTOR-



1	479 028 R91	BRACKET ASSY, MOUNTING LH	
2	479 043 R1	BRACKET, AXLE MOUNTING LH	-2-
	220 088	NUT, 1-8 C-Z HEX.	-4-
	271 857	SCREW, 1-8 X 2-1/2 C-Z HEX-HD CAP	-4-
3	237 614 R1	SPACER, FENDER BRACKET	-2-
4	469 549 R1	BRACKET, FENDER	-2-
	180 174	SCREW, 1/2 X 1-1/8 C-Z HEX-HD CAP	-4-
5	469 181 R11	SUPPORT ASSY, MAIN FRAME	-2-

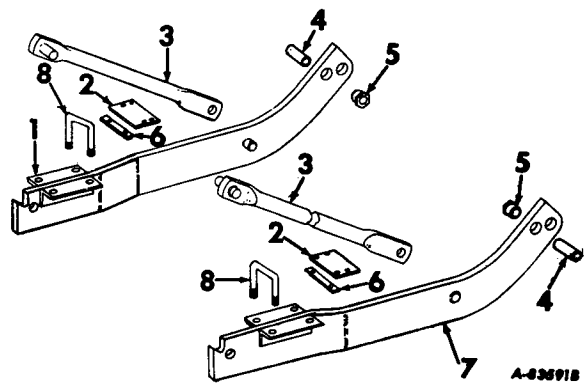
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

INDEPENDENT SUBFRAME W/WEIGHT BOX -FOR USE ON I-504, I-606, I-2504 & I-2606 TRACTOR- -CONTINUED

6	470 455 R11	STEP ASSY, TRACTOR TO BACKHOE	
	120 377	NUT, 3/8 C-Z HEX.	-4-
	180 120	SCREW, 3/8 X 3/4 C-Z HEX-HD CAP	-4-
	120 382	WASHER, 3/8 C-Z LOCK	-4-
	446 470	WASHER, 3/8 X 1-1/8 X 16 GA C-Z	-4-
7	479 026 R11	BAR ASSY, SUB FRAME LH	
	220 088	NUT, 1-8 C-Z HEX.	-2-
	137 303	PIN, 1/4 X 2-1/4 C-Z COT.	
	271 860	SCREW, 1-8 X 3-1/4 C-Z HEX-HD CAP	-2-
	551 183 R1	WASHER, 17/32 X 2-1/2 X 16 GA	
8	479 034 R1	PLATE, FRONT MOUNTING LH	
9	479 039 R1	CHANNEL, WEIGHT BOX BOTTOM	
10	479 037 R1	CHANNEL, WEIGHT BOX SIDE LH	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		INDEPENDENT SUBFRAME W/WEIGHT BOX -FOR USE ON I-504, I-606, I-2504 & I-2606 TRACTOR- -CONTINUED	
11	479 033 R1	PLATE, WEIGHT BOX	
12	479 036 R1	PLATE, WEIGHT BOX FRONT	
13	479 040 R1	ANGLE, WEIGHT BOX -2-	
	17 448 R1	BOLT, 1/2 X 1-1/4 HEX-HD MACH -28-	
	17 473 R1	BOLT, 1/2 X 1-1/2 HEX-HD MACH -8-	
	102 637	NUT, 1/2 HEX. -36-	
	271 771	SCREW, 3/4-10 X 2 C-Z HEX-HD CAP -6-	
	271 772	SCREW, 3/4-10 X 2-1/4 C-Z HEX-HD CAP -2-	
	103 323	WASHER, 1/2 MED LOCK -36-	
	220 086	WASHER, 3/4 C-Z MED LOCK -8-	
	16 038 R1	WASHER, 17/32 X 1 X 11 GA -12-	
14	479 038 R1	CHANNEL, WEIGHT BOX SIDE RH	
15	479 035 R1	PLATE, FRONT MOUNTING RH	
	271 723	SCREW, 5/8-11 X 2 C-Z HEX-HD CAP -8-	
	121 574	WASHER, 5/8 C-Z MED LOCK -8-	
	131 016	WASHER, 21/32 X 1-5/16 X .095 C-Z -8-	
16	479 042 R1	SHAFT	
	220 095	NUT, 1-1/4-7 C-Z HEX. -2-	
17	479 041 R1	PIPE, FRONT MOUNTING SPACER	
18	479 027 R11	BAR ASSY, SUBFRAME RH	
	220 088	NUT, 1-8 C-Z HEX. -2-	
	137 303	PIN, 1/4 X 2-1/4 C-Z COT.	
	271 860	SCREW, 1-8 X 3-1/4 C-Z HEX-HD CAP -2-	
	551 183 R1	WASHER, 17/32 X 2-1/2 X 16 GA	
19	479 044 R1	BRACKET, AXLE MOUNTING RH -2-	
	220 088	NUT, 1-8 C-Z HEX. -4-	
	271 857	SCREW, 1-8 X 2-1/2 C-Z HEX-HD CAP -4-	
20	479 029 R91	BRACKET ASSY, MOUNTING RH	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		SUBFRAME AND FENDER BRACKETS -INTERNATIONAL 424, 444, 2424 & 2444 TRACTORS WITH 2000 OR 2050 LOADER-	



1	481 616 R91	FRAME, LH -ORDER 492 786 R1 AND SHIM 492 785 R1-	
1	492 786 R1	FRAME, LH -WILL WORK FOR 481 616 R91-	
	271 609	BOLT, 3/4 X 1-3/4 HEX-HD MACH -2-	
	137 303	PIN, 1/4 X 2-1/4 C-Z COT.	
	138 561	WASHER, 3/4 INT-TOOTH LOCK -2-	
	551 183 R1	WASHER, 1-17/32 X 2-1/2 X 16 GA -AS REQUIRED-	
2	480 580 R1	BLOCK, FENDER SPACER -2-	
3	480 581 R92	BAR ASSY, TIE -2-	
4	474 612 R1	SPACER, -2-	
	474 613 R1	BOLT, 1-1/2-6 X 8-1/4 HEX-HD -2-	
	220 096	NUT, 1-1/2-6 HEX. -2-	
	131 052	WASHER, 1-1/2 C-Z MED LOCK -2-	
5	469 189 R1	CAM, SUBFRAME MOUNTING -2-	
6	492 785 R1	PLATE, SUB FRAME SHIM -2-	
7	481 617 R91	FRAME, RH -ORDER 492 787 R1 AND SHIM 492 785 R1-	
7	492 787 R1	FRAME, RH -WILL WORK FOR 481 617 R91-	
	271 609	BOLT, 3/4 X 1-3/4 HEX-HD MACH -2-	
	137 303	PIN, 1/4 X 2-1/4 C-Z COT.	
	138 561	WASHER, 3/4 INT-TOOTH LOCK -2-	
	551 183 R1	WASHER, 1-17/32 X 2-1/2 X 16 GA -AS REQUIRED-	
	540 736 R1	BAR, FENDER SPACER -2-	
8	481 521 R1	U-BOLT, SUBFRAME -2-	
	102 639	NUT, 5/8-11 HEX. -4-	
	103 325	WASHER, 5/8 MED LOCK -4-	

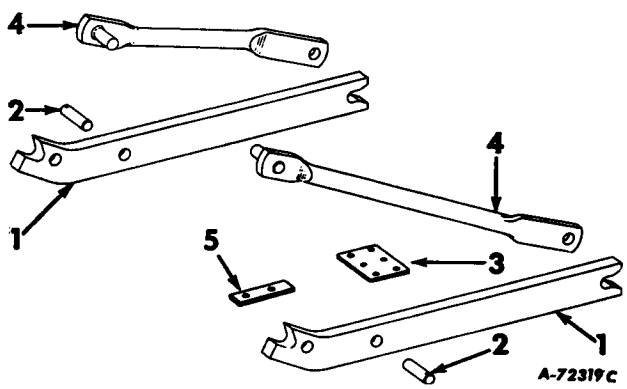
COMPLETING PACKAGE -FIELD APPLICATION- -SUBFRAME BOLTS & RELIEF VALVES- -NOTE-

474 612 R1	SPACER, LOADER SUBFRAME -2-	
474 613 R1	SCREW, 1-1/2-6 X 8-1/4 CAP -2-	
220 096	NUT, 1-1/2-6 C-Z HEX. -2-	
131 052	WASHER, 1-1/2 C-Z MED LOCK -2-	
383 796 R91	VALVE ASSY, RELIEF - 1600 PSI	
388 208 R92	VALVE ASSY, RELIEF - 2000 PSI	

NOTE -FOR INTERNATIONAL 504, 606, 2504 AND 2606 TRACTORS WITH 2000 LOADER-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME AND FENDER BRACKETS
-INTERNATIONAL 3414 AND 3444 TRACTORS-

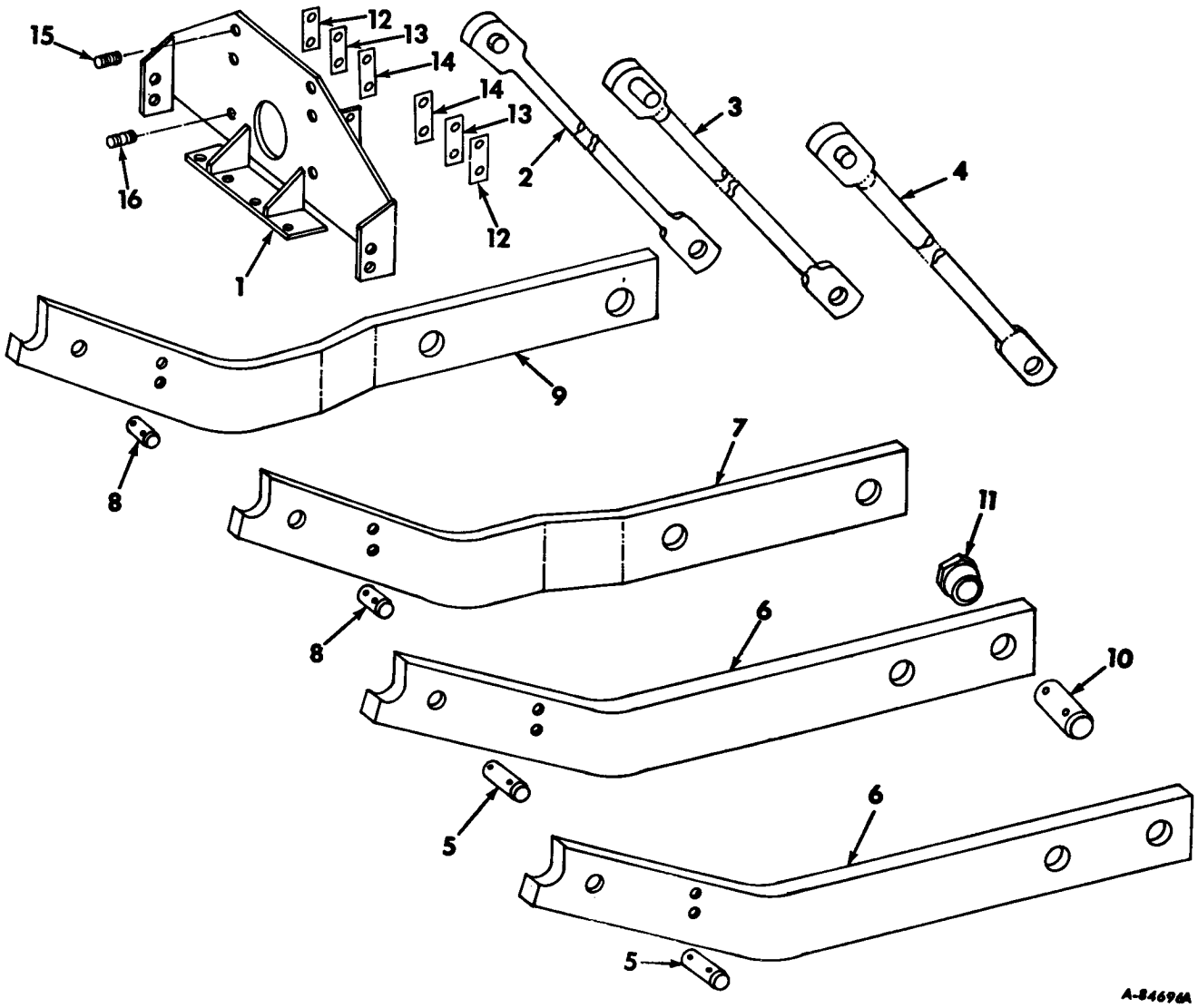


REF. NO.	PART NUMBER	DESCRIPTION
1	471 265 R1	SUBFRAME -2-
2	469 195 R1	PIN, ANCHOR -2-
Q	1 436	PIN, 3/8 X 2-9/16 STD-HD DLD -2-
	177 923	PIN, 1/8 X 3/4 C-Z COT. -2-
3	393 824 R1	PLATE, RH LOWER FENDER BRACKET
	120 378	NUT, 1/2 C-Z HEX. -2 USED W/3444 TRACTORS-
	180 175	SCREW, 1/2-13 X 1-1/4 C-Z HEX-HD CAP -8 USED W/3414 TRACTORS- -10 USED W/3444 TRACTORS-
	120 384	WASHER, 1/2 C-Z MED LOCK
4	469 086 R11	LINK ASSY, TIE -2-
	193 244	PIN, 3/8 X 2-1/2 C-Z COT. -2- -IN TRACTOR FRAME-
5	490 945 R1	SUPPORT, FENDER RH -2- -USED W/3444 TRACTORS-

3131 BACKHOE -14- SECTION E
REF. NO. PART NUMBER DESCRIPTION BKH-1
PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 10

REF. NO.	PART NUMBER	DESCRIPTION	8KH-1

SUBFRAME -FOR USE ON 500 CRAWLER TRACTOR W/3050 LOADER, 5-G2, 10 OR 11 BULLGRADER-



SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 500 CRAWLER TRACTOR W/3050 LOADER -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT A-

SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 500 CRAWLER TRACTOR W/5-G-2 BULLGRADER -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT B-

3131 BACKHOE -15- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	8KH-1

SUBFRAME -FOR USE ON 500 CRAWLER TRACTOR -CONTINUED W/3050 LOADER, 5-G2, 10 OR 11 BULLGRADER-

SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 500 CRAWLER TRACTOR W/10 BULLGRADER -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT C-

SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 500 CRAWLER TRACTOR W/11 BULLGRADER -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT D-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		SUBFRAME -FOR USE ON 500 CRAWLER TRACTOR -CONTINUED W/3050 LOADER, 5-G2, 10 OR 11 BULLGRADER-	
1	482 016 R91	SECTION ASSY, SUBFRAME BRACKET	
	220 086	NUT, 3/4-10 C-Z HEX. -4-	
	271 774	SCREW, 3/4-10 X 2-3/4 C-Z HEX-HD CAP -4-	
	271 611	SCREW, 3/4-10 X 2 C-Z HEX-HD CAP -4-	
	131 017	WASHER, 13/16 X 1-1/2 X .108 C-Z -4-	
	131 046	WASHER, 3/4 C-Z MED LOCK -4-	
2	482 033 R91	SUPPORT ASSY, MAIN FRAME -2- -UNIT A-	
3	482 035 R91	SUPPORT ASSY, MAIN FRAME -2- -UNIT B-	
4	482 037 R91	SUPPORT ASSY, MAIN FRAME -2- -UNIT C AND D-	
5	482 040 R1	BAR, TIE LINK ANCHOR -2- -UNIT B-	
	20 341 R1	PIN, 1/4 X 2 C-Z COT. -4-	
6	482 041 R1	FRAME, SUB -2- -UNIT B, C AND D-	
7	482 015 R1	FRAME, SUB RH -UNIT A-	
8	482 039 R1	BAR, TIE -2- -UNIT A, C AND D-	
	137 268	PIN, 3/16 X 2-1/4 C-Z COT. -4-	
9	482 014 R1	FRAME, SUB LH -UNIT A-	
10	482 032 R1	BAR, SUBFRAME MOUNTING -4-	
	137 268	PIN, 3/16 X 2-1/4 C-Z COT. -8-	
11	469 189 R1	CAM, SUBFRAME MOUNTING -4-	
12	486 035 R1	SHIM, SUBFRAME BRACKET ASSY -AS REQUIRED-	
13	486 036 R1	STRIP, SUBFRAME BRACKET ASSY -AS REQUIRED-	
14	486 037 R1	STRIP, SUBFRAME BRACKET ASSY -4-	
15	51 971 D	STUD, SUBFRAME BRACKET -2-	
	214 442	NUT, 1/2-20 HEX. TYPE 4 -2-	
	120 384	WASHER, 1/2 C-Z MED LOCK -2-	
16	636 435 R1	STUD, SUBFRAME BRACKET -4-	
	274 468	NUT, 5/8-18 HEX. TYPE 4 -4-	

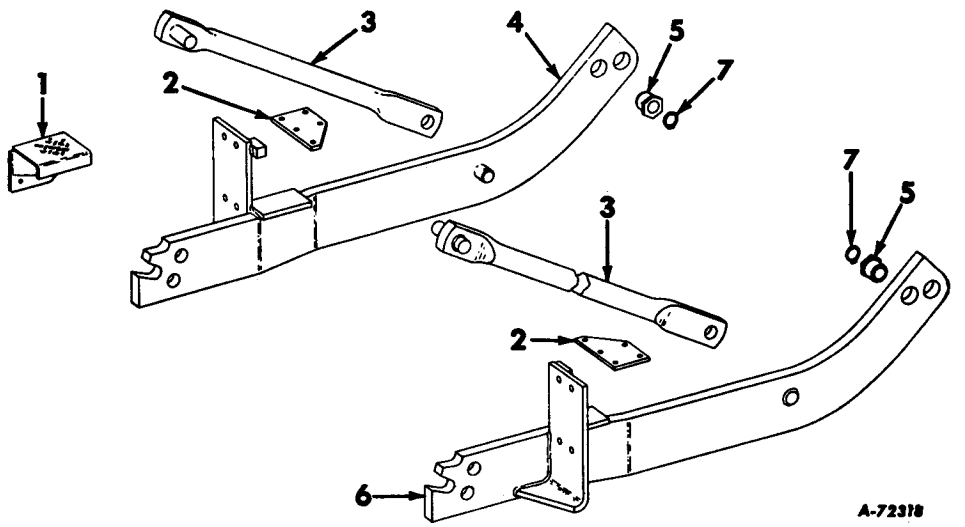
3131 BACKHOE -16- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 10

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME & FENDER BRACKETS -INTERNATIONAL 504, 606, 2504 AND 2606 TRACTORS-



1	470 455 R11		STEP ASSY, TRACTOR TO BACKHOE
	120 377		NUT, 3/8 C-Z HEX. -4-
	180 120		SCREW, 3/8 X 3/4 C-Z HEX-HD CAP -4-
	446 470		WASHER, 3/8 X 1-1/8 X 16 GA -4-
	120 382		WASHER, 3/8 C-Z LOCK -4-
2	469 549 R1		BRACKET, FENDER -2-
	237 614 R1		SPACER, FENDER BRACKET -2-
	180 174		SCREW, 1/2 X 1-1/8 C-Z HEX-HD CAP -4-
	120 378		NUT, 1/2 C-Z HEX. -4-
3	469 181 R11		SUPPORT ASSY, MAIN FRAME -2-
4	469 182 R11		SUBFRAME ASSY, LEFT
	124 589		NUT, 5/8-11 HEX.
	137 303		PIN, 1/4 X 2-1/4 COT.
	19 827 R1		SCREW, 5/8-11 X 8 C-Z HEX-HD CAP
	121 574		WASHER, 5/8 C-Z MED LOCK
	551 183 R1		WASHER, 1-17/32 X 2-1/2 X 16 GA
5	469 189 R1		CAM, SUBFRAME MOUNTING -2-
6	469 183 R11		SUBFRAME ASSY, RIGHT
	124 589		NUT, 5/8-11 C-Z HEX.
	19 827 R1		SCREW, 5/8-11 X 8 C-Z HEX-HD CAP
	121 574		WASHER, 5/8 C-Z MED LOCK
	551 183 R1		WASHER, 1-17/32 X 2-1/2 X 16 GA
7	468 283 R1		RING, EXT RETAINING -2-

3131 BACKHOE -17- SECTION E

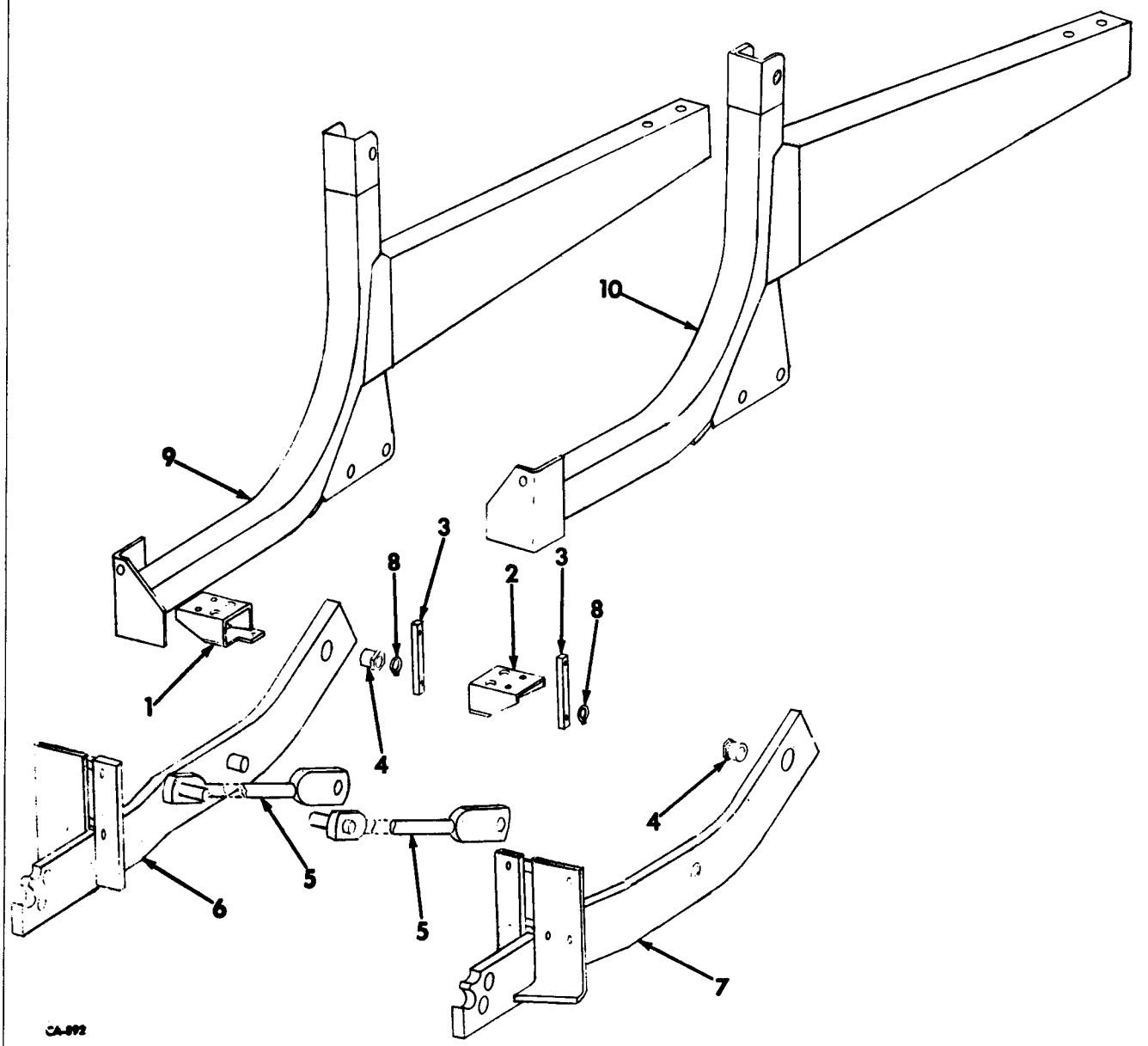
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME & FENDER BRACKETS -INTERNATIONAL -CONTINUED 504, 606, 2504 AND 2606 TRACTORS-

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 10

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME
-INTERNATIONAL 2544 TRACTOR-



1	491 779 R2	SPACER ASSY, FENDER LH	
2	491 780 R2	SPACER ASSY, FENDER RH	
	180 173	SCREW, 1/2-13 X 1 ZND HEX-HD CAP -6-	
	180 175	SCREW, 1/2-13 X 1-1/4 ZND HEX-HD CAP -4-	
	120 384	WASHER, 1/2 C-Z MED LOCK -10-	
	120 378	NUT, 1/2-13 C-Z HEX. -4-	

3131 BACKHOE -18- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME -CONTINUED
-INTERNATIONAL 2544 TRACTOR-

3	491 778 R1	BAR, SUBFRAME MOUNTING -2-	
	19 995 R1	SCREW, 5/8-11 X 8-1/2 ZND HEX-HD CAP -3-	
	20 226 R1	SCREW, 5/8-11 X 9-1/2 HEX-HD CAP	
	121 574	WASHER, 5/8 C-Z MED LOCK -4-	
	23 047 R1	WASHER, 1-17/32 X 2-1/2 X 16 GA C-Z -2 OR AS REQUIRED-	
	124 589	NUT, 5/8-11 C-Z HEX. -4-	
	137 303	PIN, 1/4 X 2-1/4 COT. -2-	

REF. NO.	PART NUMBER	DESCRIPTION	8KH-1
		SUBFRAME -CONTINUED -INTERNATIONAL 2544 TRACTOR-	
4	469 189 R1	CAM, SUBFRAME MOUNTING -2-	
5	480 581 R92	BAR ASSY, TIE -2-	
6	491 770 R1	FRAME ASSY, SUB LH	
7	491 771 R1	FRAME ASSY, SUB RH	
8	468 283 R1	RING, EXTERNAL	
9	487 016 R4	SUBFRAME ASSY, LH -TRACTORS WITH 2000 LOADER-	
9	491 535 R2	SUBFRAME ASSY, LH -TRACTORS WITH 3000 LOADER-	
10	487 017 R4	SUBFRAME ASSY, RH -TRACTORS WITH 2000 LOADER-	
10	491 535 R2	SUBFRAME ASSY, RH -TRACTORS WITH 3000 LOADER-	

3131 BACKHOE -19- SECTION E

REF. NO. | PART NUMBER | DESCRIPTION | 8KH-1

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 10

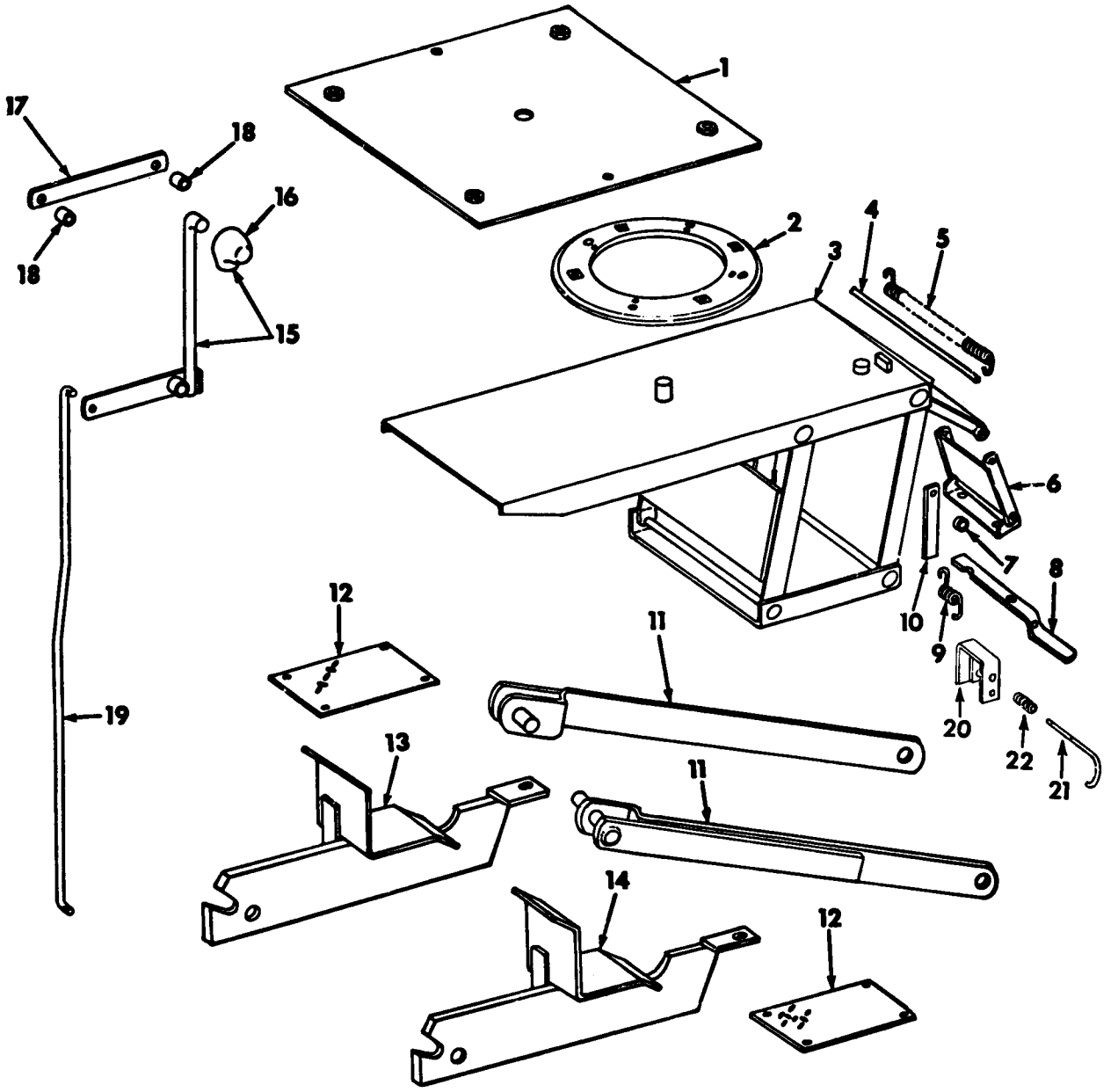
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME AND SEAT SUPPORT
-INTERNATIONAL 3514 & 3616 LOADER TRACTOR-

3131 BACKHOE -20- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME AND SEAT SUPPORT -CONTINUED
-INTERNATIONAL 3514 & 3616 LOADER TRACTOR-



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REVISION NO. 10

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		SUBFRAME AND SEAT SUPPORT -CONTINUED	
		-INTERNATIONAL 3514 & 3616 LOADER TRACTOR-	
1	480 721 R91	SWIVEL ASSY, SEAT	
	374 235 R1	SCREW, 5/16-18 X 1/2 12 PT HD CAP -4-	
		-TRACTOR SEAT RAIL MOUNTING-	
2	476 838 R91	BEARING ASSY, LAZY SUSAN	
	436 750	SCREW, 10-32 X 1/2 PAN HD SLT MACH -4-	
	171 702	SCREW, 8-32 X 3/8 PAN HD SLT TAPPING -4-	
	121 841	WASHER, #8 LOCK -4-	
	120 217	WASHER, #10 LOCK -4-	
3	493 886 R1	BASE ASSY, SEAT	
		-WILL WORK FOR 480 731 R91-	
	120 634	NUT, 5/16-18 HEX. -4-	
	107 763	PIN, 1/8 X 5/8 COT.	
	180 085	SCREW, 5/16-18 X 1-3/4 HEX-HD CAP -4-	
Q	1 505	WASHER, 13/32 X 1 X 16 GA	
4	480 703 R1	PIN, RETAINER	
	103 383	PIN, 1/8 X 1/2 COT. -2-	
Q	397	WASHER, 11/32 X 3/4 X 16 GA -4-	
5	481 633 R1	SPRING, SEAT RETAINER	
		-FOR SERVICE ON 480 731 R91 & 480 725 R91-	
6	493 885 R1	BRACKET ASSY, MOUNTING LIFT	
		-WILL WORK FOR 480 725 R91-	
	120 376	NUT, 5/16-18 C-Z HEX. -6-	
	180 077	SCREW, 5/16-18 X 3/4 C-Z HEX-HD CAP -6-	
	120 214	WASHER, 5/16 C-Z MED LOCK -6-	
Q	1 505	WASHER, 13/32 X 1 X 16 GA	
7	481 895 R1	WASHER, SEAT SAFETY STRAP	
8	476 840 R1	LATCH, LEVER	
9	476 962 R1	SPRING, LATCH	
10	481 894 R1	BAR, SEAT SAFETY STRAP	
11	480 715 R93	BAR ASSY, BACKHOE TIE -2-	
	193 244	PIN, 3/8 X 2-1/2 C-Z COT. -2- IN TRACTOR FRAME	
	551 183 R1	WASHER, 1-17/32 X 2-1/2 X 16 GA USE 1 WITH EACH TIE BAR ASSY OR AS REQD.	
12	481 076 R1	TREAD, FENDER -2-	
	171 754	SCREW, 1/4-20 X 1/2 C-Z PAN-HD SLT TAPPING -8-	
	128 157	GROMMET, RUBBER	
13	480 707 R93	BRACKET ASSY, SUBFRAME LH	
	271 611	SCREW, 3/4-10 X 2 HEX-HD CAP	
	38 506	WASHER, 3/4 C-Z EXT-TOOTH LOCK -5-	
14	480 708 R93	BRACKET ASSY, SUBFRAME RH	
	271 611	SCREW, 3/4-10 X 2 HEX-HD CAP	
	38 506	WASHER, 3/4 C-Z EXT-TOOTH LOCK -5-	
15	391 372 R91	LEVER ASSY, THROTTLE	
16	379 022 R2	KNOB	
17	391 376 R1	STRIP, QUADRANT	
	106 882	RIVET, 3/16 X 1/4 TRUSS-HD SOLID	
	17 469 R1	SCREW, 1/4 X 1-1/2 HEX-HD CAP -2-	
	16 559 R1	WASHER, 17/32 X 5/8 X .036 -2-	
	103 319	WASHER, 1/4 MED LOCK -2-	
	109 084	NUT, 1/4-20 HEX. -2-	
18	391 377 R1	SPACER, QUADRANT -2-	
19	391 378 R1	ROD, THROTTLE LEVER	
	120 393	WASHER, 11/32 X 11/16 X .065 -2-	
	103 384	PIN, 1/8 X 3/4 COT. -1-	
20	493 882 R1	BRACKET ASSY, LATCH	
Q	1 505	WASHER, 13/32 X 1 X 16 GA	
	107 763	PIN, 1/8 X 5/8 COILED SPRING	

-21- SECTION E
3131 BACKHOE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		SUBFRAME AND SEAT SUPPORT -CONTINUED	
		-INTERNATIONAL 3514 & 3616 LOADER TRACTOR-	
21	493 879 R1	ROD, LATCH	
	20 139 R1	PIN, 3/32 X 5/8 COILED SPRING	
	103 339	WASHER, 9/32 X 5/8 X .051	
22	46 A	SPRING	
	995 170 R2	REFLECTOR, FENDER RED	
	436 732	SCREW, 10-24 X 1/2 HEX-HD MACH -2-	
	120 217	WASHER, NO. 10 MED LOCK -2-	
	120 361	NUT, 10-24 HEX. -2-	
2	752 944 R1	PRODUCT GRAPHIC, GOVERNOR INSTRUCTIONS	

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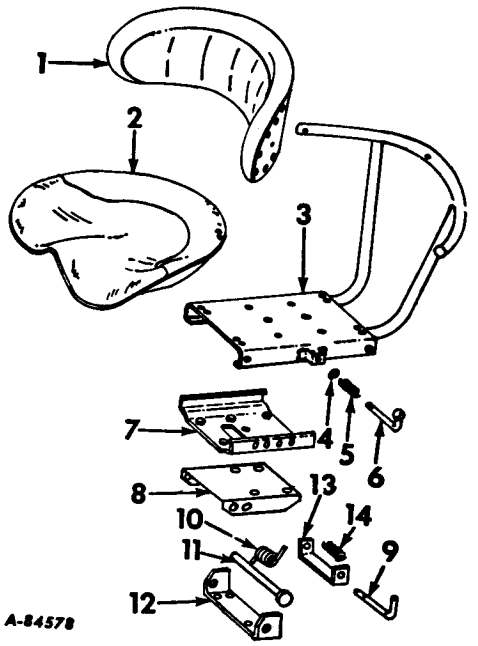
REVISION NO. 10

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SEAT AND SUPPORT



	469 119 R91	SEAT ASSY, BACKHOE PREMIER -CONSISTS OF REF. NOS 1 THROUGH 7-
1	469 121 R91	BACKREST ASSY, PREMIER
2	469 122 R91	CUSHION ASSY, PREMIER SEAT
	120 368	NUT, 5/16-24 - C-Z HEX. -4-
	120 214	WASHER, 5/16 LOCK - C-Z -4-
3	469 120 R91	FRAME ASSY, HI-BACK PREMIER
9	413 946	NUT, 1/4 STOVER HEX LOCK - CAD PLTD.
	155 338	SCREW, 1/4 X 1/2 RD HD CROSS RECESS MACH C-Z
	155 358	SCREW, 1/4 X 1 RD HD CROSS RECESS MACH C-Z -3-
4	104 977 R1	RING , SLIDE HANDLE RETAINING
5	469 125 R1	SPRING, SLIDE ADJUSTING PLUNGER
6	469 124 R11	PLUNGER W/KNOB ASSY, SLIDE ADJUSTING
	103 340	WASHER, 11/32 X 11/16 X 16 GA. FLAT
7	469 123 R11	SLIDE ASSY, LOWER
	180 075	SCREW, 5/16-18 X 5/8 C-Z HEX-HD CAP -4-
	120 214	WASHER, 5/16 C-Z MED LOCK -4-
8	476 905 R2	SUPPORT, SEAT
8	540 967 R1	SUPPOET ASSY, SEAT -FOR 500 C CRAWLER TRACTOR-
	180 077	SCREW, 5/16-18 X 3/4 ZND HEX-HD CAP -4-
	138 538	WASHER, 5/16 C-Z INT-TOOTH LOCK -4-
9	484 482 R1	ROD, SEAT LATCH HANDLE
	103 384	PIN, 1/8 X 3/4 COT.
	120 394	WASHER, 13/32 X 13/16 X .051

3131 BACKHOE -22- SECTION E

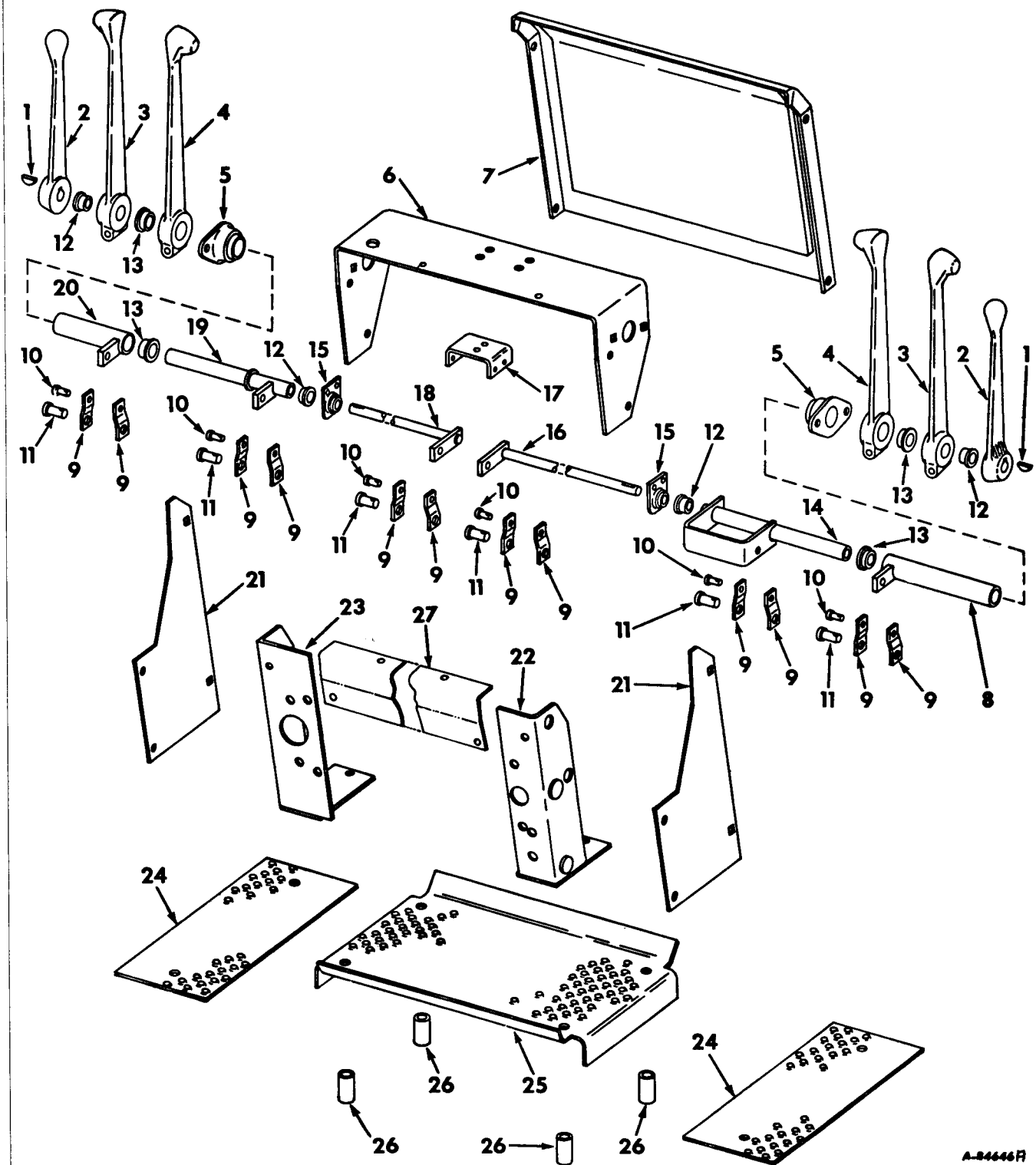
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SEAT AND SUPPORT -CONTINUED

10	15 068 EB	SPRING, SEAT
11	625 326 R1	PIN, 3/8 X 6 STD-HD
	120 394	WASHER, 13/32 X 13/16 X .051
	103 384	PIN, 1/8 X 3/4 COT.
12	477 567 R1	BRACKET, SEAT
	120 376	NUT, 5/16-18 C-Z HEX. -4-
	180 081	SCREW, 5/16-18 X 1-1/4 C-Z HEX-HD CAP -4-
	120 214	WASHER, 5/16 C-Z MED LOCK -4-
13	484 481 R1	BRACKET, SEAT LATCH
	120 375	NUT, 1/4-20 C-Z HEX -2-
	453 049	SCREW, 1/4-20 X 3/4 PAN-HD SLT -2-
	120 380	WASHER, 1/4 C-Z MED LOCK -2-
14	359 109 R2	SPRING

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONTROLS



3131 BACKHOE -23- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONTROLS -CONTINUED

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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONTROLS -CONTINUED	
1	106 751	KEY, 3/16 X 3/4 WOODRUFF -2-	
2	477 547 R1	HANDLE, STABILIZER CONTROL -2-	
	431 662	SCREW, 3/8-16 X 3/4 C-Z HEX-SOC-HD -2-	
3	481 678 R1	HANDLE, CROWD & SWING CONTROL -2-	
	180 132	SCREW, 3/8-16 X 2-1/4 ZND HEX-HD CAP -2-	
	120 374	NUT, 3/16 C-Z SQ -2-	
4	481 666 R1	HANDLE, BUCKET & LIFT CONTROL -2-	
	180 132	SCREW, 3/8-16 X 2-1/4 ZND HEX-HD CAP -2-	
	120 374	NUT, 3/16 C-Z SQ -2-	
5	608 879 R91	BEARING ASSY -2-	
	17 351 R1	BOLT, 3/8-16 X 1 C-Z CGE-HD -4-	
	120 377	NUT, 3/8-16 C-Z HEX. -4-	
	120 382	WASHER, 3/8 C-Z MED LOCK -4-	
6	481 663 R1	SUPPORT, SEAT	
	180 173	SCREW, 1/2-13 X 1 C-Z HEX-HD CAP -4-	
	120 384	WASHER, 1/2 C-Z MED LOCK -4-	
7	481 686 R11	SHIELD ASSY, HEAT	
8	481 667 R91	SHAFT ASSY, BUCKET CONTROL	
9	481 684 R1	LINK, CONTROL VALVE -12-	
10 B	92 1/2	PIN, 3/8 X 7/8 STD-HD -6-	
	12 235 R1	PIN, 1/8 C 5/8 C-Z COT. -6-	
11 Q	1 332	PIN, 1/2 X 1-1/8 STD-HD -6-	
	108 632	PIN, 3/16 X 7/8 COT. -6-	
12	307 920 R1	BEARING -4-	
13	477 554 R1	BEARING, CENTER CONTROL -4-	
14	481 672 R92	SHAFT ASSY, SWING CONTROL	
15	481 683 R91	BEARING ASSY, SELF-ALIGNING -2-	
	120 375	NUT, 1/4-20 C-Z HEX. -4-	
	180 020	SCREW, 1/4-20 X 3/4 C-Z HEX-HD CAP -4-	
	120 380	WASHER, 1/4 C-Z MED LOCK -4-	
16	481 680 R91	SHAFT ASSY, RH STABILIZER CONTROL	
17	481 664 R1	BRACKET, BEARING SUPPORT	
18	481 679 R91	SHAFT ASSY, LH STABILIZER CONTROL	
19	481 675 R91	SHAFT ASSY, CROWD CONTROL	
20	481 670 R91	SHAFT ASSY, LIFT CONTROL	
21	481 685 R1	SHROUD, CONTROL SIDE -2-	
	180 073	SCREW, 5/16-18 X 1/2 C-Z HEX-HD CAP -4-	
	459 063 R1	RETAINER, 5/16 SPEED GRIP NUT -4-	
22	481 658 R93	BRACKET ASSY, VALVE SUPPORT LH	
	120 377	NUT, 3/8-16 C-Z HEX. -2-	
	180 124	SCREW, 3/8-16 X 1-1/4 C-Z HEX-HD CAP -2-	
	120 382	WASHER, 3/8 C-Z MED LOCK -2-	
23	481 659 R92	BRACKET ASSY, VALVE SUPPORT RH	
	120 377	NUT, 3/8-16 C-Z HEX. -2-	
	180 124	SCREW, 3/8-16 X 1-1/4 C-Z HEX-HD CAP -2-	
	120 382	WASHER, 3/8 C-Z MED LOCK -2-	
24	481 691 R1	STRIP, SIDE FLOOR PLATE -2-	
	120 377	NUT, 3/8-16 C-Z HEX. -4-	
	18 494 R1	SCREW, 3/8-16 X 1 C-Z HEX-HD CAP -4-	
	120 382	WASHER, 3/8 C-Z MED LOCK -4-	

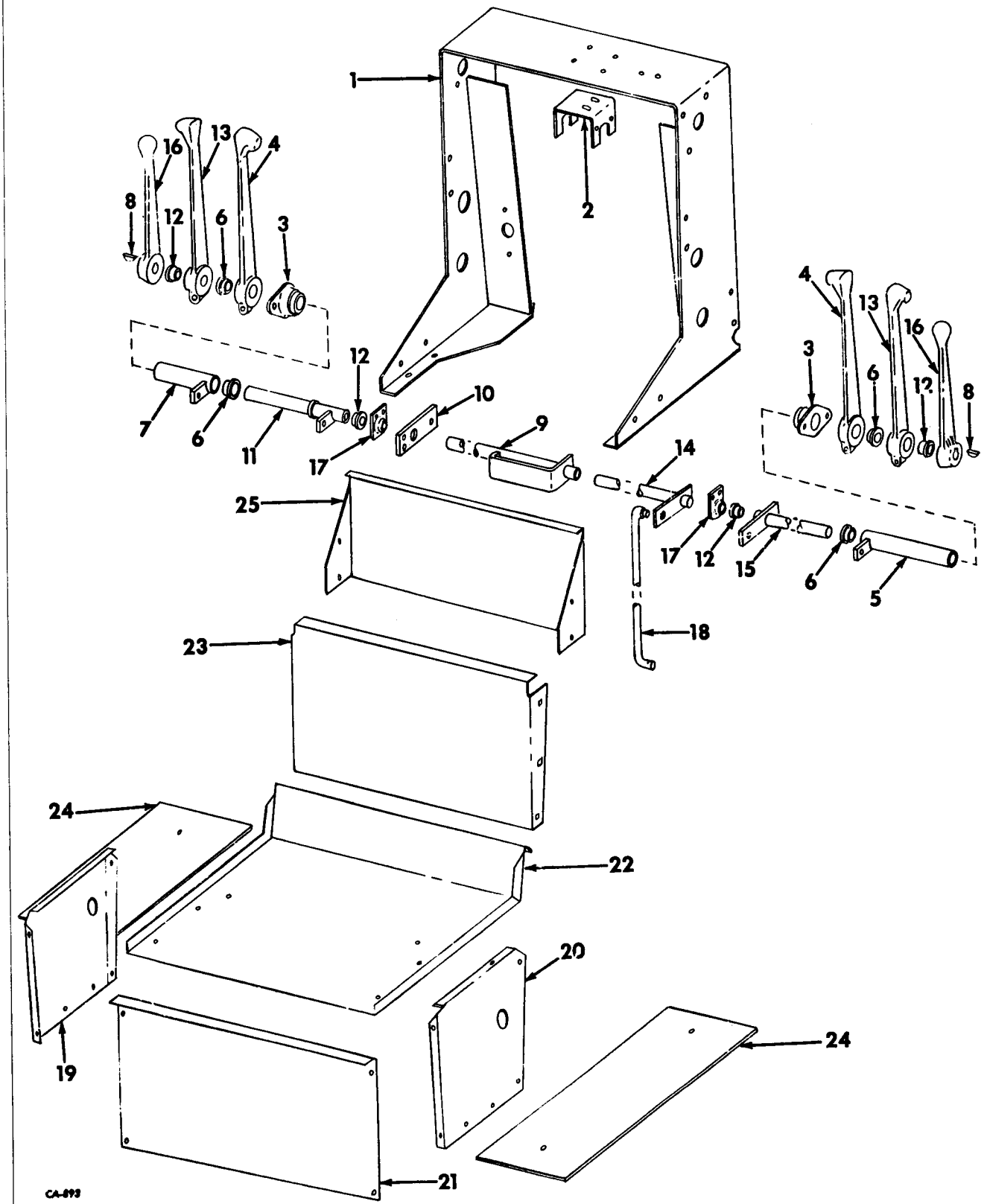
3131 BACKHOE -24- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONTROLS -CONTINUED	
25	481 687 R2	COVER, FLOOR	
	120 377	NUT, 3/8-16 C-Z HEX. -4-	
	180 120	SCREW, 3/8-16 X 3/4 C-Z HEX-HD CAP -4-	
	180 137	SCREW, 3/8-16 X 2-3/4 C-Z HEX-HD CAP -4-	
	120 382	WASHER, 3/8 MED LOCK -4-	
26	615 860 R1	SPACER, .406 X .875 X 1.781 -4-	
27	484 296 R11	SHIELD ASSY, CONTROL STAND REAR HEAT	
	172 427	SCREW, 1/4-20 X 1/2 C-Z HEX-HD CAP -4-	

PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 10

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONTROLS
-500 C CRAWLER TRACTOR-



3131 BACKHOE -25- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONTROLS -CONTINUED
-500 C CRAWLER TRACTOR-

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 10

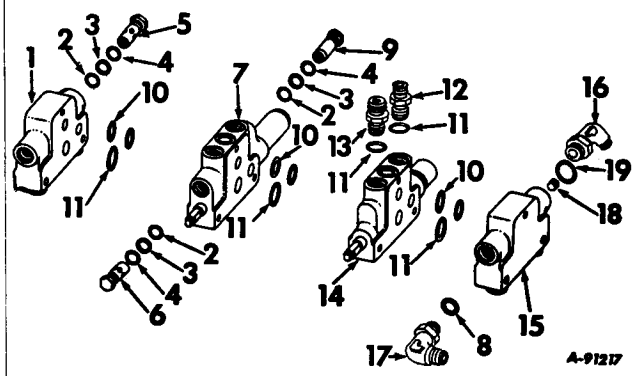
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONTROLS -CONTINUED	
		-500 C CRAWLER TRACTOR-	
1	492 582 R1	BRACKET ASSY	
	180 124	SCREW, 3/8-16 X 1-1/4 ZND HEX-HD CAP -4-	
	138 542	WASHER, 3/8 C-Z INT TOOTH -4-	
	120 377	NUT, 3/8-16 C-Z HEX. -4-	
2	481 664 R1	BRACKET, BRG SUPPORT	
3	608 879 R91	BEARING ASSY -2-	
	17 351 R1	BOLT, 3/8 X 1 C-Z SQ-NK CRG -4-	
	138 542	WASHER, 3/8 C-Z INT TOOTH LOCK -4-	
	120 377	NUT, 3/8-16 C-Z HEX. -4-	
4	481 666 R1	HANDLE, BUCKET & LEFT CONTROL -2-	
	180 128	SCREW, 3/8-16 X 1-3/4 ZND HEX-HD CAP -2-	
5	481 667 R91	SHAFT ASSY, BUCKET CONTROL	
6	477 554 R1	BEARING, CENTER CONTROL -4-	
7	481 670 R91	SHAFT ASSY, LIFT CONTROL	
8	106 751	KEY, 3/4-16 X 3/4 WOODRUFF -2-	
9	492 585 R1	SHAFT ASSY, SWING CONTROL	
10	492 587 R1	PLATE, SWING SUPPORT	
	180 079	SCREW, 5/16-18 X 1 ZND HEX-HD CAP -2-	
	138 538	WASHER, 5/16 C-Z INT TOOTH LOCK -2-	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
11	481 675 R91	SHAFT ASSY, CROWD CONTROL	
12	307 920 R1	BEARING -2-	
13	481 678 R1	HANDLE, CROWD & SWING CONTROL -2-	
	180 128	SCREW, 3/8-16 X 1-3/4 ZND HEX-HD CAP -2-	
14	492 589 R1	SHAFT ASSY, STABILIZER CONTROL RH	
15	492 588 R1	SHAFT ASSY, STABILIZER CONTROL LH	
16	477 547 R1	HANDLE, STABILIZER CONTROL -2-	
	431 662	SCREW, 3/8-16 X 3/4 ZND HEX-SOC-HD CUP-PT SET -2-	
17	481 683 R91	BEARING ASSY, SELF ALIGNING -2-	
	180 020	SCREW, 1/4-20 X 3/4 ZND HEX-HD CAP -4-	
	120 423	WASHER, 1/4 C-Z INT TOOTH LOCK -4-	
	120 375	NUT, 1/4-20 C-Z HEX. -4-	
18	492 590 R1	LINK, CONTROL VALVE -6-	
	103 343	WASHER, 17/32 X 1-1/16X 13 GA -6-	
	103 373	PIN, 3/32 X 3/4 COT. -12-	
	103 341	WASHER, 13/32 X 13/16 X 16 GA -6-	
19	492 591 R1	SHEET ASSY, SIDE LH	
20	492 592 R1	SHEET ASSY, RH	
	180 126	SCREW, 3/8-16 X 1-1/4 ZND HEX-HD CAP -6-	
	138 542	WASHER, 3/8 C-Z INT TOOTH LOCK -6-	
	120 377	NUT, 3/8-16 C-Z HEX. -6-	
	180 077	SCREW, 5/16-18 X 3/4 ZND HEX-HD CAP -6-	
	180 075	SCREW, 5/16-18 X 5/8 ZND HEX-HD CAP -12-	
	115 548	WASHER, 5/16 C-Z MED SPRING LOCK -12-	
21	492 595 R1	SHEET, VALVE COVER	
22	492 596 R1	SHEET, FLOOR	
	180 120	SCREW, 3/8-16 X 3/4 ZND HEX-HD CAP -6-	
	138 542	WASHER, 3/8 C-Z INT TOOTH LOCK -6-	
	120 377	NUT, 3/8-16 C-Z HEX. -6-	
23	492 597 R1	SHEET, COVER	
	483 360 R91	NUT, CAGE -6-	

3131 BACKHOE -26- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONTROLS -CONTINUED	
		-500 C CRAWLER TRACTOR-	
24	492 598 R1	BAR, SIDE FLOOR PLATE -2-	
	120 377	NUT, 3/8-16 C-Z HEX. -4-	
	178 081	PLUG, 1-3/8 BUTTON -2-	
	432 420	PLUG, 1-5/8 BUTTON -4-	
25	542 910 R1	SHEET ASSY, REAR COVER	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC LOADER VALVE BANK



REF. NO.	PART NUMBER	DESCRIPTION
1	392 968 R2	COVER, LH SIDE END -REPLACES 391 217 R1-
	20 210 R1	SCREW, 3/8-16 X 8-7/8 HEX-HD -3-
	102 635	NUT, 3/8-16 HEX. -3-
	527 476 R1	WASHER, 3/8 MED LOCK -6-
2	383 219 R1	O-RING, 15/16 X 1-1/8 X 3/32 -3-
3	378 985 R2	WASHER, BACKUP -3-
4	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32 -3-
5	388 208 R93	VALVE ASSY, PILOT OPERATED RELIEF -2000 PSI- -FOR 3514 LOADER TRACTORS- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF PILOT RELIEF VALVE-
5	396 729 R92	VALVE ASSY, PILOT OPERATED RELIEF -2250 PSI- -FOR 3616 LOADER TRACTORS- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF PILOT RELIEF VALVE-
6	382 479 R91	VALVE ASSY, CUSHION RELIEF -2500 PSI-
7	383 269 R94	VALVE ASSY, HYDRAULIC CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF FOUR POSITION SPRING CENTERED HYDRAULIC CONTROL VALVE-
8	297 459 R1	O-RING, 1-3/64 X 1-9/32 X 7/64
9	378 899 R1	PLUG, RELIEF VALVE CHAMBER
10	381 884 R1	O-RING, 1 X 1-3/16 X 3/32 -6-
11	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32 -5-
12	397 699 R1	UNION ASSY, ORIFICE
13	397 702 R1	UNION ASSY, ORIFICE

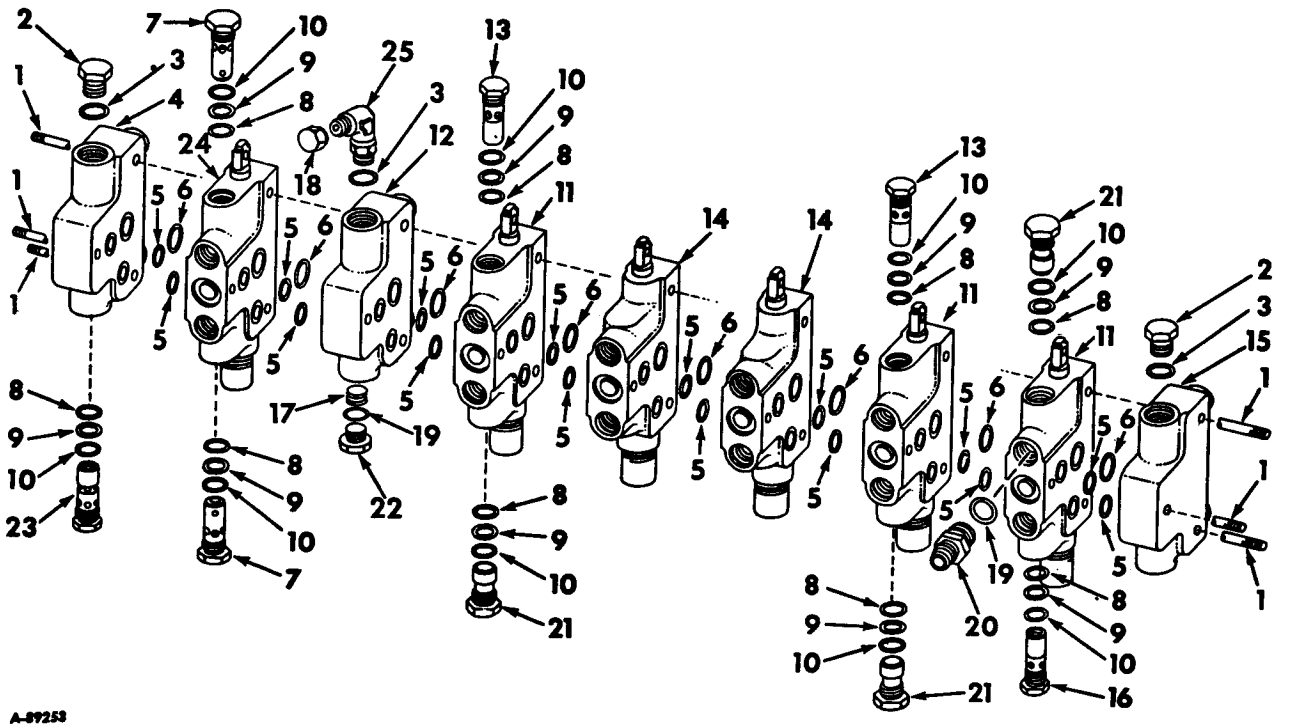
3131 BACKHOE -27- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC LOADER VALVE BANK -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
14	383 271 R94	VALVE ASSY, HYDRAULIC CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED HYDRAULIC CONTROL VALVE-
14	394 705 R94	VALVE ASSY, HYDRAULIC CONTROL -FOR 3514 & 3616 TRACTORS W/POWER BEYOND- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CONTROL VALVE-
15	392 970 R1	COVER, RIGHT SIDE END -REPLACES 391 216 R1-
16	9 410 981	ELBOW, 1-5/16-12 C-Z 37 DEG HYD FLARED TUBE 90 DEG
17	9 410 980	ELBOW, 1-3/16-12 C-Z 37 DEG HYD FLARED TUBE 90 DEG
18	444 697	PLUG, 3/8-18 AUTOMOTIVE HEX-SOC-HD PIPE
19	296 247 R1	O-RING, 1 OD TUBING

HYDRAULIC CONTROL VALVES

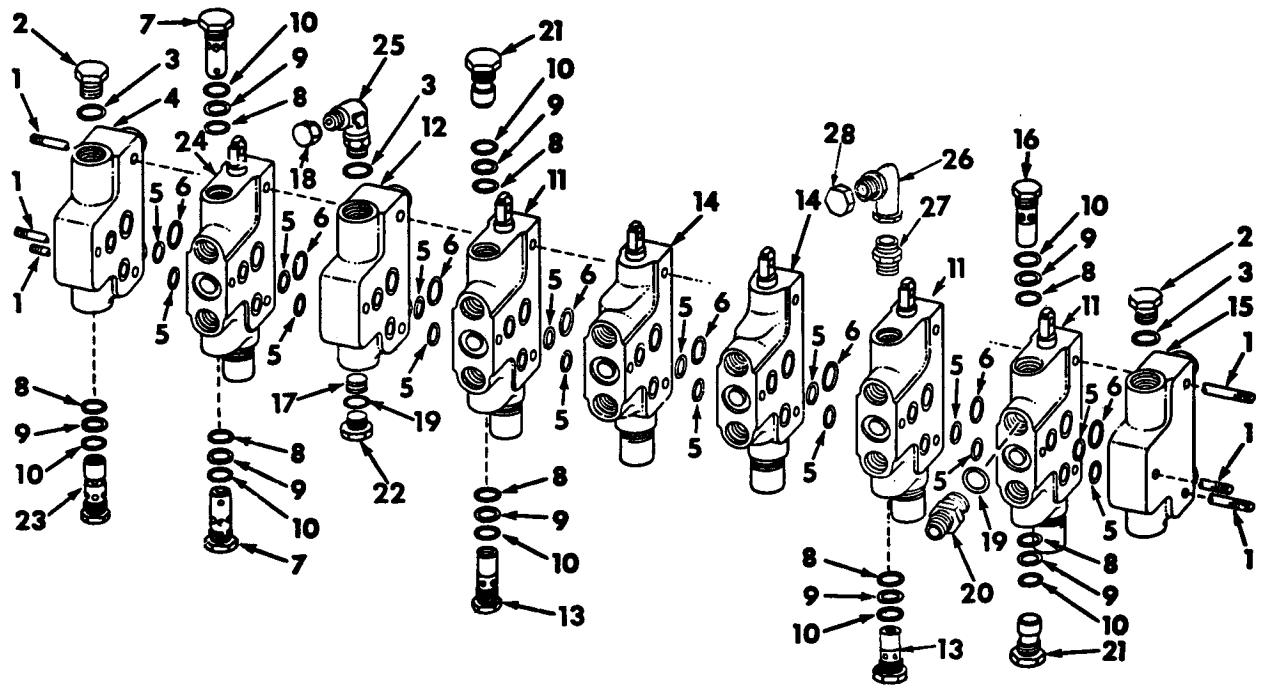


REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
1	392 971 R1	ROD, TIE -3-	
	102 635	NUT, 3/8-16 HEX. -6-	
	527 476 R1	WASHER, 3/8 LOCK -6-	
2	9 410 362	PLUG, 1-3/16 C-Z STR THD O-RING BOSS FOR 7/8 TUBE -2- -OUTLET VALVE COVER - LARGE-	
3	297 459 R1	O-RING, 1-3/64 X 1-9/32 X 7/64 -3-	
4	392 968 R2	COVER, LEFT SIDE END	
5	381 884 R1	O-RING, 1 X 1-3/16 X 3/32 -16- -VALVE OUTLET COVER-	
6	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32 -8- -VALVE OUTLET COVER-	
7	387 229 R91	VALVE ASSY, ANTI-CAVITATION -2-	
8	383 219 R1	O-RING, 15/16 X 1-1/8 X 3/32 -9- -PILOT OPERATED RELIEF VALVE-	
9	378 985 R2	WASHER, PILOT OPERATED RELIEF VALVE BACKUP -9-	
10	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32 -9- -PILOT OPERATED RELIEF VALVE-	
11	394 705 R94	VALVE ASSY, HYD OPEN CENTER CONTROL -3- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-	
12	392 969 R2	COVER, CENTER	
13	382 479 R91	VALVE ASSY, CUSHION RELIEF- 2500 P.S.I. -2-	
14	383 271 R94	VALVE ASSY, HYD OPEN CENTER CONTROL -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-	
15	392 970 R1	COVER, RIGHT SIDE END	

HYDRAULIC CONTROL VALVES -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
16	382 928 R91	VALVE ASSY, CUSHION RELIEF -2000 P.S.I.-	
17	444 697	PLUG, 3/8-18 AUTO HEX-SOC HD PIPE	
18	9 403 375	CAP, 1-3/16-12 37 DEG HYD FLARED TUBE	
19	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -2-	
20	397 699 R1	UNION ASSY, ORIFICE	
21	378 899 R1	PLUG, RELIEF VALVE CHAMBER -3-	
22	9 410 360	PLUG, 7/8-14 C-Z STR-THD O-RING BOSS - FOR 5/8 TUBE OUTLET VALVE COVER - SMALL-	
23	388 208 R93	VALVE ASSY, PILOT OPERATED RELIEF -2000 P.S.I.- -NOT FOR USE W/3616 TRACTORS- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF PILOT RELIEF VALVE-	
23	396 729 R92	VALVE ASSY, PILOT RELIEF -2250 P.S.I. -FOR 3616 TRACTORS- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF PILOT RELIEF VALVE-	
24	383 270 R93	VALVE ASSY, HYD OPEN CENTER CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-	
25	9 410 980	ELBOW, 1-3/16-12 C-Z 37 DEG HYDRAULIC FLARED TUBE	

HYDRAULIC CONTROL VALVES
-FOR 500C CRAWLER TRACTORS-



REF. NO.	PART NUMBER	DESCRIPTION
1	392 971 R1	ROD, TIE -3-
	102 635	NUT, 3/8-16 HEX. -6-
	527 476 R1	WASHER -6-
2	9 410 362	PLUG, 1-3/16 C-Z STR-THD O-RING BOSS OUTLET VALVE COVER - LARGE -2-
3	297 459 R1	O-RING, 1-3/64 X 1-9/32 X 7/64 -3-
4	392 968 R2	COVER, LEFT SIDE END
5	381 884 R1	O-RING, 1 X 1-3/16 X 3/32 -16- VALVE OUTLET COVER
6	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32 -8- VALVE OUTLET COVER
7	387 229 R91	VALVE ASSY, ANTI-CAVITATION -2-
8	383 219 R1	O-RING, 15/16 X 1-1/8 X 3/32 -10- PILOT OPERATED RELIEF VALVE
9	378 985 R2	WASHER, PILOT OPERATED RELIEF VALVE BACKUP -10-
10	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32 -10- PILOT OPERATED RELIEF VALVE
11	394 705 R95	VALVE ASSY, HYD OPEN CENTER CONTROL -3- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-
12	395 006 R2	COVER, CENTER
13	382 479 R91	VALVE ASSY, CUSHION RELIEF- 2500 P.S.I. -2-

HYDRAULIC CONTROL VALVES -CONTINUED
-FOR 500C CRAWLER TRACTORS-

REF. NO.	PART NUMBER	DESCRIPTION
14	383 271 R95	VALVE ASSY, HYD OPEN CENTER CONTROL -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-
15	392 970 R1	COVER, RIGHT SIDE END
16	382 928 R91	VALVE ASSY, CUSHION RELIEF-2000 PSI
17	444 697	PLUG, 3/8-18 AUTO
18	9 403 375	CAP, 1-3/16-12 37 DEG HYD FLARED TUBE TUBE
19	364 885 R1	O-RING, 3/4 X 15/16 X 3/32
20	397 699 R1	UNION ASSY, ORIFICE
21	378 899 R1	PLUG, RELIEF VALVE CHAMBER -2-
22	9 410 360	PLUG, 7/8-14 C-Z STR-THD O-RING BOSS
23	388 208 R93	VALVE ASSY, PILOT OPERATED RELIEF -2000 P.S.I.- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF PILOT RELIEF VALVE -
24	383 270 R94	VALVE ASSY, HYD OPEN CENTER CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-
25	9 410 980	ELBOW, 1-3/16-12 C-Z 37 DEG HYD FLARED TUBE 90 DEG
26	9 410 285	ELBOW, 1-5/16-12 37 DEG FLARED TUBE 90 DEG SWIVEL
27	543 691 R1	PLUG, W/OPEN PORT
28	9 403 376	CAP, 1-5/16-12 2ND 37 DEG HYD FLARED TUBE

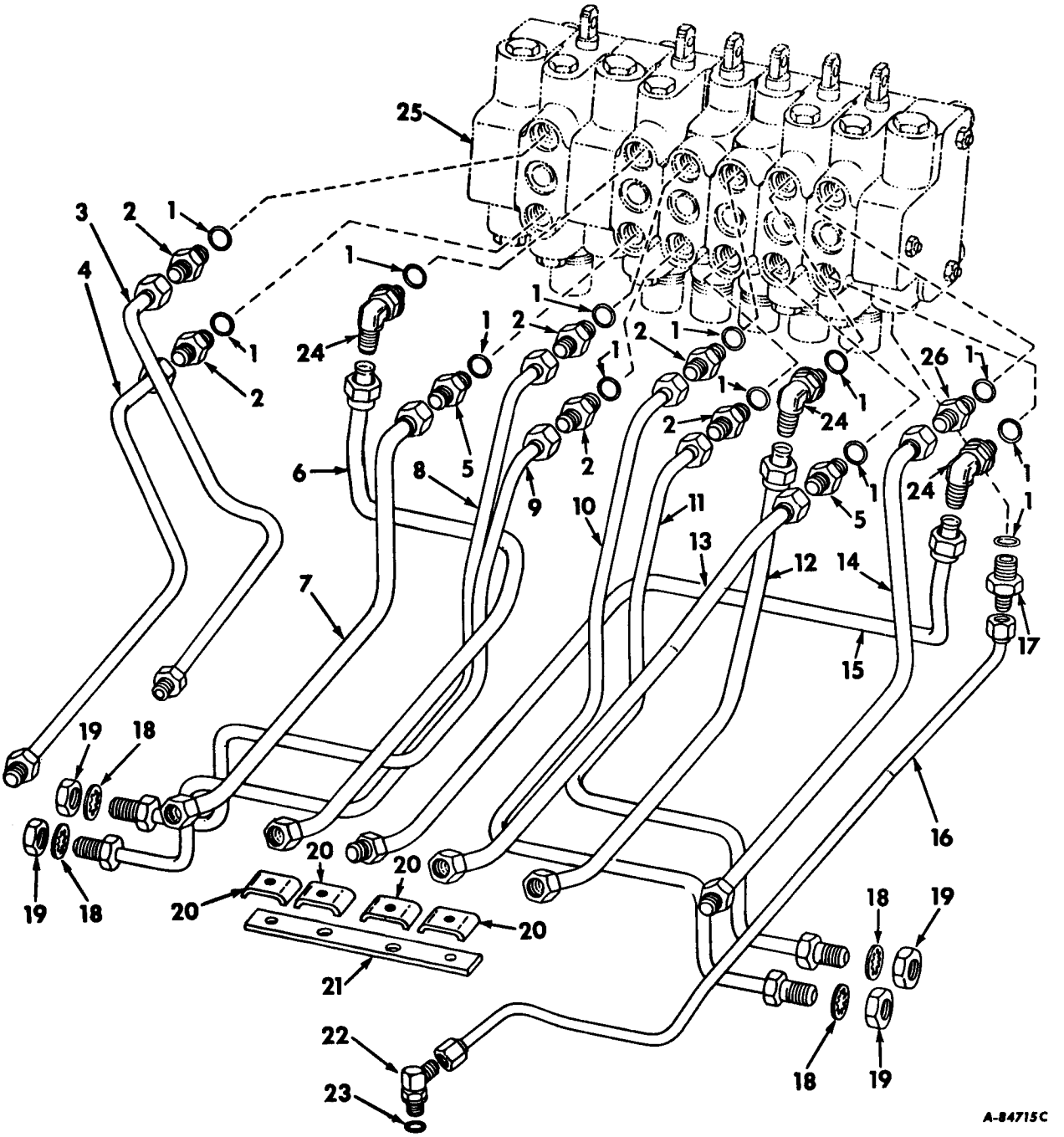
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC TUBES AND CONNECTIONS

3131 BACKHOE -30- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC TUBES AND CONNECTIONS -CONTINUED



1	364 885 R1	O-RING, 5/8 TUBE -13-	
2	481 352 R1	CONNECTOR, 5/8 - 1/2 SPECIAL REDUCING -6-	
3	481 647 R21	TUBE ASSY, TOP PORT SWING CYL -ALL EXCEPT 500 C CRAWLER-	
3	492 606 R1	TUBE ASSY, TOP PORT SWING CYL -FOR 500 C CRAWLER TRACTOR-	

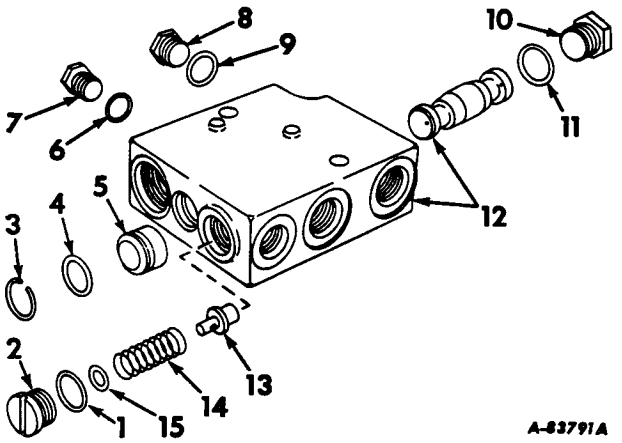
PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC TUBES AND CONNECTIONS -CONTINUED	
4	481 648 R21	TUBE ASSY, BOTTOM PORT SWING CYL -ALL EXCEPT 500 C CRAWLER-	
4	492 605 R1	TUBE ASSY, BOTTOM PORT SWING CYL -FOR 500 C CRAWLER TRACTOR-	
5	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL -2-	
6	486 020 R2	TUBE ASSY, TOP PORT BUCKET CYL -ALL EXCEPT 500 C CRAWLER-	
6	492 600 R1	TUBE ASSY, TOP PORT BUCKET CYL -FOR 500 C CRAWLER TRACTOR-	
7	481 642 R21	TUBE ASSY, BOTTOM PORT BUCKET CYL -ALL EXCEPT 500 C CRAWLER-	
7	492 599 R1	TUBE ASSY, BOTTOM PORT BUCKET CYL -FOR 500 C CRAWLER TRACTOR-	
8	481 652 R21	TUBE ASSY, TOP PORT LH STABILIZER -ALL EXCEPT 500 C CRAWLER-	
8	492 610 R1	TUBE ASSY, TOP PORT LH STABILIZER -FOR 500 C CRAWLER TRACTOR-	
9	481 655 R21	TUBE ASSY, BOTTOM PORT LH STABILIZER -ALL EXCEPT 500 C CRAWLER-	
9	492 609 R1	TUBE ASSY, BOTTOM PORT LH STABILIZER -FOR 500 C CRAWLER TRACTOR-	
10	481 649 R21	TUBE ASSY, TOP PORT RH STABILIZER -ALL EXCEPT 500 C CRAWLER-	
10	492 608 R1	TUBE ASSY, TOP PORT RH STABILIZER -FOR 500 C CRAWLER TRACTOR-	
11	481 651 R21	TUBE ASSY, BOTTOM PORT RH STABILIZER -ALL EXCEPT 500 C CRAWLER-	
11	492 607 R1	TUBE ASSY, BOTTOM PORT RH STABILIZER -FOR 500 C CRAWLER TRACTOR-	
12	486 021 R2	TUBE ASSY, TOP PORT CROWD CYL -ALL EXCEPT 500 C CRAWLER-	
12	492 603 R1	TUBE ASSY, TOP PORT CROWD CYL -FOR 500 C CRAWLER TRACTOR-	
13	481 646 R21	TUBE ASSY, BOTTOM PORT CROWD CYL -ALL EXCEPT 500 C CRAWLER-	
13	492 604 R1	TUBE ASSY, BOTTOM PORT CROWD CYL -FOR 500 C CRAWLER TRACTOR-	
14	481 643 R21	TUBE ASSY, TOP PORT LIFT CYL -ALL EXCEPT 500 C CRAWLER-	
14	492 602 R1	TUBE ASSY, TOP PORT LIFT CYL -FOR 500 C CRAWLER TRACTOR-	
15	486 019 R2	TUBE ASSY, BOTTOM PORT LIFT CYL -ALL EXCEPT 500 C CRAWLER-	
15	492 601 R1	TUBE ASSY, BOTTOM PORT LIFT CYL -FOR 500 C CRAWLER TRACTOR-	
16	481 657 R11	TUBE ASSY, SWING MECHANISM DRAIN -ALL EXCEPT 500 C CRAWLER-	
16	492 611 R1	TUBE ASSY, RETURN TO SWING -FOR 500 C CRAWLER TRACTOR-	
17	935 433 R1	UNION, 3/8 TO 5/8 TUBE BOSS	
18	138 561	WASHER, 3/4 C-Z INT-TOOTH LOCK -4-	
19	9 403 294	NUT, 3/4-16 BULKHEAD UNION LOCK -4-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC TUBES AND CONNECTIONS -CONTINUED	
20	486 004 R1	CHANNEL, TUBE CLAMP - ALSO ORDER 485 742 R1-	
	180 128	SCREW, 3/8-16 X 1-3/4 C-Z HEX-HD CAP -2-	
	120 377	NUT, 3/8- 16 C-Z HEX. -4-	
	120 382	WASHER, 3/8 C-Z MED LOCK -4-	
21	481 690 R2	STRIP, HYD LINE CUSHIONING -ALL EXCEPT 500 C CRAWLER-	
21	492 612 R1	STRAP ASSY, HYD LINE CLAMP -FOR 500 C CRAWLER TRACTOR-	
	180 128	SCREW, 3/8-16 X 1-3/4 C-Z HEX-HD CAP -2-	
22	9 410 976	ELBOW, 9/16-18 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG	
23	364 839 R1	O-RING, 3/8 TUBE	
24	9 410 978	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG -3-	
25		VALVES, HYDRAULIC CONTROL -REFER TO HYDRAULIC CONTROL VALVES UNIT-	
26	397 699 R1	UNION ASSY, ORIFICE	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

FLOW DIVIDER VALVE
-TRACTORS WITH POWER STEERING-



REF. NO.	PART NUMBER	DESCRIPTION
	389 412 R91	FLOW DIVIDER ASSY
1	252 739 R1	O-RING, 11/16 X 1/2 X 3/32
2	391 458 R1	PLUG, SLOTTED
3	583 476 R1	RING, LOCK
4	352 221 R1	O-RING, 9/16 X 3/4 X 3/32
5	583 477 R1	PLUG, BODY
6	355 967 R1	O-RING, 3/8 X 1/2 X 1/16
7	391 457 R1	PLUG, BODY
8	391 456 R1	PLUG, BODY
9	355 966 R1	O-RING, 7/16 X 5/8 X 3/32
10	391 455 R1	PLUG, BODY
11	252 707 R1	O-RING, 3/4 X 15/16 X 3/32
12		BODY, FLOW DIVIDER -NOT SERVICED SEPARATELY, ORDER FLOW DIVIDER ASSY 389 412 R91-
13	394 653 R91	POPPET ASSY
14	394 654 R2	SPRING, RELIEF VALVE
15	394 655 R1	WASHER POPPET
	391 459 R91	PACKAGE, FLOW DIVIDE O-RING SERVICE -CONSISTS OF 1 O-RING 352 221 R1 1 O-RING 355 967 R1 1 O-RING 252 707 R1 1 O-RING 355 966 R1 1 O-RING 252 739 R1 1 RING 583 476 R1-

3131 BACKHOE -32- SECTION E
REF. NO. PART NUMBER DESCRIPTION BKH-1
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REVISION NO. 12

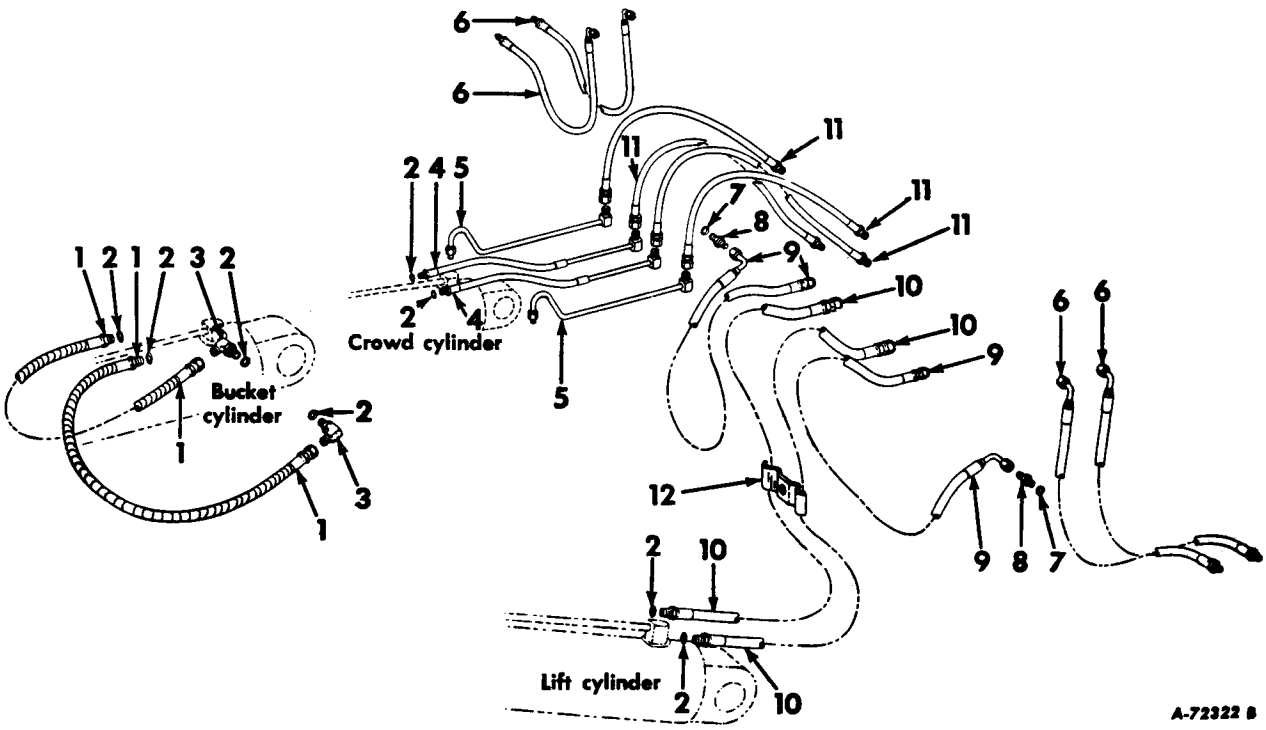
BKH-1

HYDRAULIC CONNECTIONS - BASIC-

3131 BACKHOE -33- SECTION E

BKH-1

HYDRAULIC CONNECTIONS - BASIC- -CONTINUED



REF. NO.	PART NUMBER	DESCRIPTION
1	472 789 R91	HOSE ASSY, BOOM TO BUCKET - 53 IN. -2-
2	364 885 R1	O-RING, 5/8 TUBE -8-
3	9 410 978	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE -2-
4	481 697 R91	HOSE ASSY, CROWD CYL 35 IN. -2-
5	481 699 R11	TUBE ASSY, BOOM TO HOSE -2-
6	470 256 R91	HOSE ASSY, BULKHEAD TO STABILIZER -4-
7	364 839 R1	O-RING, 3/8 TUBE -2-
8	382 449 R1	CONNECTOR, 1/2 - 3/8 TUBE BOSS -2-
9	481 700 R93	HOSE, BULKHEAD TO SWING 32 IN. -2-
10	481 698 R93	HOSE ASSY, PIPE TO LIFT CYL 51 IM. -2-
11	481 641 R91	HOSE, PIPE TO BOOM - 41.5 IN. -4-
12	469 998 R1	CLAMP, HYD HOSE
	120 378	NUT, 1/2-13 C-Z HEX.
	120 238	NUT, 1/2-13 C-Z HEX. JAM

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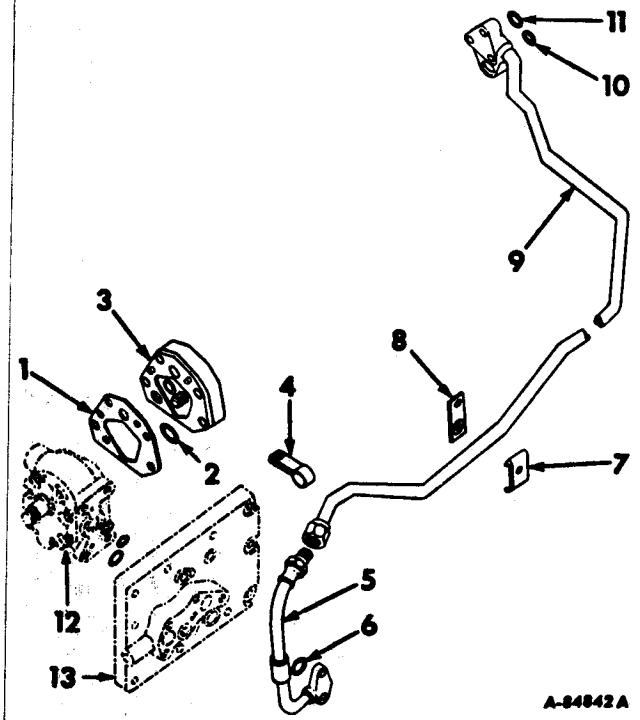
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

PUMP AND POWER SUPPLY CONNECTIONS
-FOR INTERNATIONAL 504, 2504, 606 AND 2606 TRACTORS W/2000 OR 3000 LOADER OR INDEPENDENT SUBFRAME-



1	371 543 R2	GASKET, HYDRAULIC GEAR PUMP	
2	371 544 R1	O-RING, 9/16 X 11/16 X 1/16 -HYDRAULIC GEAR PUMP-	
3	381 115 R92	PUMP ASSY, HYDRAULIC GEAR -7 GPM- -THOMPSON- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC PUMP- -OPTIONAL WITH 381 116 R92-	
	179 849	SCREW, 3/8-11 X 2-1/2 HEX-HD CAP	-4-
3	381 116 R92	PUMP ASSY, HYDRAULIC GEAR -7 GPM- -CESSNA- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC PUMP- -OPTIONAL WITH 381 115 R92-	
	179 849	SCREW, 3/8-11 X 2-1/2 HEX-HD CAP	-4-
4	381 622 R1	CLIP, PRESSURE TUBE	
5	381 120 R92	HOSE AND TUBE ASSY, PUMP PRESSURE	
	179 823	SCREW, 5/16-18 X 1-5/8 HEX-HD CAP	-2-
6	352 221 R1	O-RING, 9/16 X 3/4 X 3/32 -PRESSURE HOSE FLANGE-	
7	381 426 R1	CLAMP, PRESSURE TUBE	
	179 797	SCREW, 1/4-20 X 1 HEX-HD CAP	
8	381 425 R11	BRACKET ASSY, PRESSURE TUBE	
	179 837	SCREW, 3/8-16 X 3/4 HEX-HD CAP	
	103 341	WASHER, 13/32 X 13/16 X .065 GA	

3131 BACKHOE -34- SECTION E

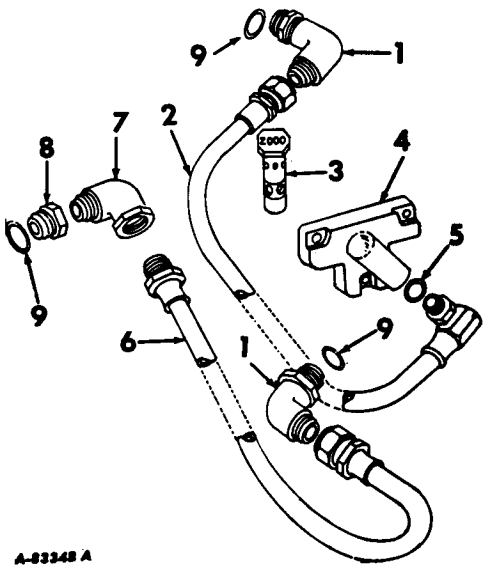
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

PUMP AND POWER SUPPLY CONNECTIONS -CONTINUED
-FOR INTERNATIONAL 504, 2504, 606 AND 2606 TRACTORS W/2000 OR 3000 LOADER OR INDEPENDENT SUBFRAME-

9	381 118 R21	TUBE ASSY, PUMP PRESSURE	
	179 847	SCREW, 3/8-16 X 2 HEX-HD CAP	-3-
	103 321	WASHER, 3/8 MED LOCK	-3-
10	355 965 R1	O-RING, 15/16 X 1-3/16 X 1/8 -PRESSURE TUBE FLANGE-	
11	356 005 R1	O-RING, 1-1/8 X 1-3/8 X 1/8 -PRESSURE TUBE FLANGE-	
12		PUMP, HYDRAULIC INTERNAL -NOTE-	
13		COVER, HYDRAULIC PUMP -NOTE-	
		NOTE - REFER TO TC-88 OR TC-89 PARTS CATALOG-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

POWER SUPPLY CONNECTION -FOR INTERNATIONAL 504, 606, 2504 & 2606 TRACTOR W/O LOADER-

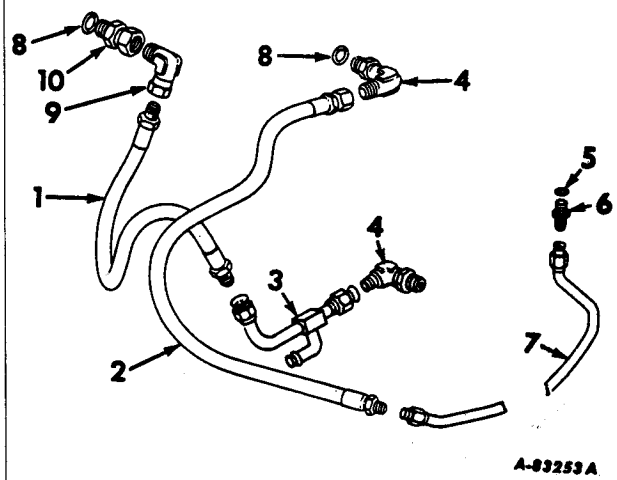


1	9 410 981		ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ. STR THD 90 DEG -2-
2	481 761 R91		HOSE ASSY, HYD
3	388 208 R92		VALVE ASSY, 2000 PSI PILOT OPERATED -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF PILOT RELIEF VALVE-
4	470 603 R1		COVER, POWER BEYOND
5	297 459 R1		O-RING, 1.048 X .116
6	383 941 R91		HOSE ASSY, HYD RETURN
7	9 410 285		ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL
8	481 766 R1		ADAPTOR, 1-5/16-12 37 DEG HYD FLARED
9	296 247 R1		O-RING, 1-11/16 X 1-13/32 X 7/64 -2-

3131 BACKHOE -35- SECTION E

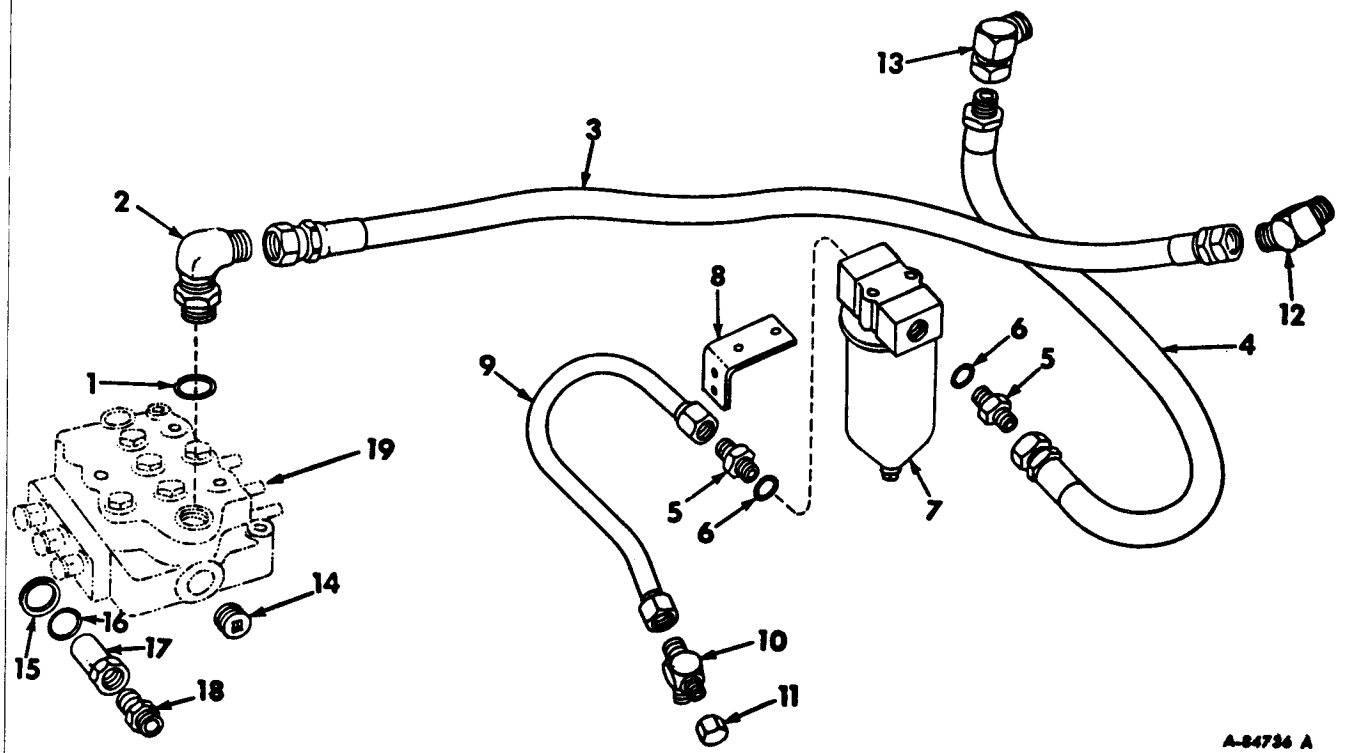
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

POWER SUPPLY CONNECTIONS -FOR I-504, 606, 2504 AND 2606 TRACTORS-



1	470 246 R91		HOSE ASSY, 1 X 33 IN. -INLET FILTER TUBE TO HOE VALVE-
2	394 710 R91		HOSE ASSY, 3/4 X 44 IN. -PRESSURE TUBE TO HOE VALVE-
3	479 358 R91		TEE ASSY, DUMPLINE
4	9 410 981		ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG -2-
5	297 459 R1		O-RING, 1.048 X .116
6	9 410 206		CONNECTOR, 1-3/16-12 C-Z PLTD FLARED TUBE SWIVEL
7	470 249 R11		TUBE ASSY, PRESSURE
8	296 247 R1		O-RING, 1-11/16 X 1-13/32 X 7/64 -2-
9	9 410 285		ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL
	9 403 376		CAP, 1-5/16-12 37 DEG HYD FLARED TUBE
10	481 766 R1		ADAPTER, 1-5/16-12 37 DEG HYD FLARED

POWER SUPPLY FOR 500 CRAWLER TRACTOR



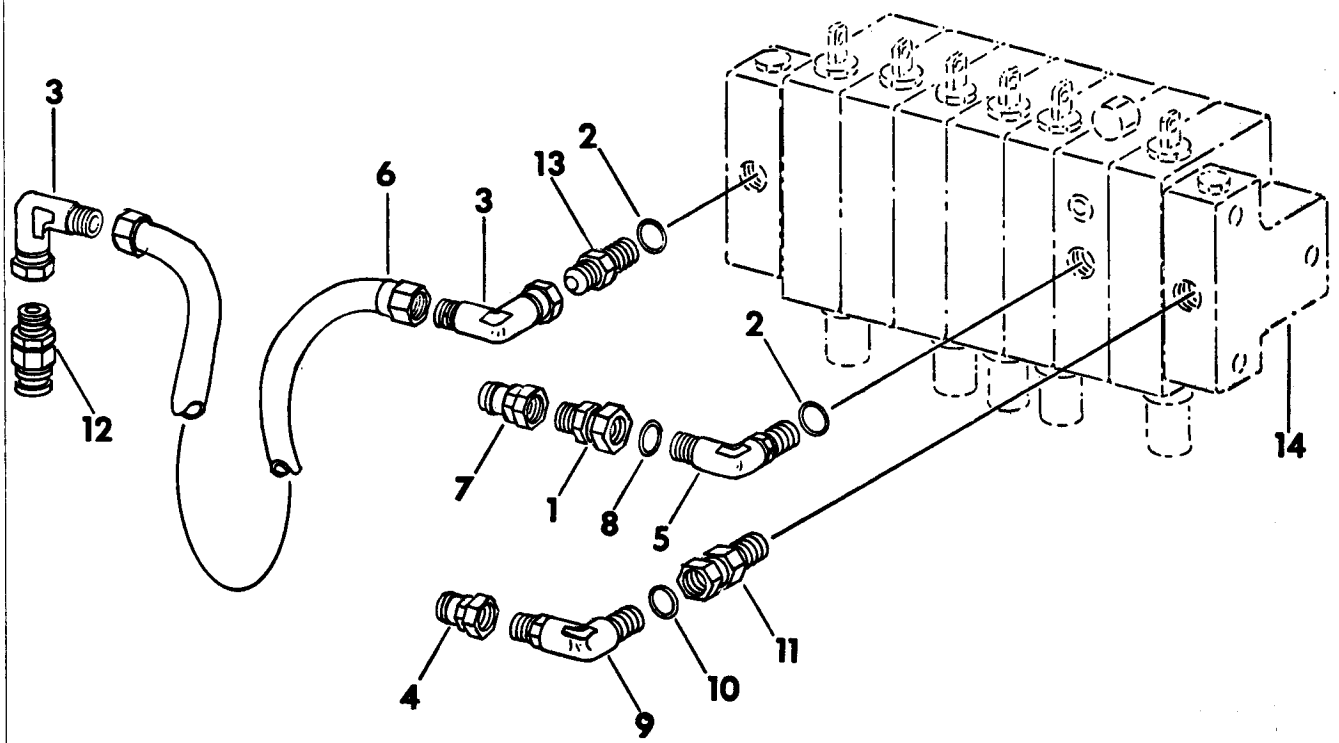
REF. NO.	PART NUMBER	DESCRIPTION
1	297 459 R1	O-RING, 7/8 OD TUBE
2	9 410 980	ELBOW, 1-3/16-12 90 DEG ADJ STR THR
3	482 042 R91	HOSE ASSY, HYD PRESSURE
4	383 941 R91	HOSE ASSY, RETURN
5	9 410 207	CONNECTOR, 1-5/16-12 37 DEG HYD FLARED TUBE SHORT SWIVEL -2-
6	296 247 R1	O-RING, 1 IN. OD TUBE -2-
7	471 133 R92	FILTER ASSY, OIL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF OIL FILTER-
8	483 132 R1	BRACKET, FILTER
	120 376	NUT, 5/16-18 C-Z HEX. -2-
	180 122	SCREW, 3/8-16 X 1 C-Z HEX-HD CAP -2-
	180 079	SCREW, 5/16-18 X 1 C-Z HEX-HD CAP -2-
	120 382	WASHER, 3/8 C-Z MED LOCK -2-
	120 214	WASHER, 5/16 C-Z MED LOCK -2-
9	483 131 R11	TUBE ASSY, FILTER
10	482 043 R1	TEE, HYD FITTING
11	9 403 373	CAP, 7/8-14 37 DEG FLARED FEMALE
12	9 410 981	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG
13	9 410 981	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL

3131 BACKHOE -36- SECTION E

POWER SUPPLY FOR 500 CRAWLER TRACTOR -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
14	444 667	PLUG, 1/2-14 AUTO-SQ-SOC PIPE -FOR HUSCO VALVE POWER BEYOND-
15	635 971 R1	GASKET -FOR GRESEN VALVE POWER BEYOND SLEEVE-
16	666 218 R1	O-RING -FOR GRESEN VALVE POWER POWER BEYOND SLEEVE-
17	666 217 R1	SLEEVE, POWER BEYOND -FOR GRESEN VALVE-
18	9 402 712	CONNECTOR, 3/4 NPIF X 1-3/16-12 37 DEG FLARE -FOR GRESEN VALVE-
19		VALVE, CONTROL -REFER TO TC-203 PARTS CATALOG-

POWER SUPPLY CONNECTIONS
-500 C CRAWLER TRACTOR-



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REF. NO.	PART NUMBER	DESCRIPTION
1	481 766 R1	ADAPTER
2	296 247 R1	O-RING -2-
3	9 402 947	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE 90 DEG. UNION -2-
4	395 149 R1	COUPLER ASSY, SELF SEALING MALE
5	9 410 981	ELBOW, 1-5/16-12 37 DEG. HYD FLARED TUBE 90 DEG.
6	492 621 R1	HOSE ASSY, RETURN LINE
7	480 743 R91	COUPLING ASSY, SELF SEALING MALE
8	343 905 R1	O-RING, 1-3/16 X 1-3/8 X .109
9	9 410 978	ELBOW, 7/8-14 37 DEG. HYD FLARED TUBE ADJ STR THD 90 DEG.
10	364 885 R1	O-RING, 5/8 TUBE -2-
11	485 313 R1	ADAPTOR
12	480 744 R91	COUPLER, HYD QUICK DISCONNECT
13	9 410 207	UNION, 1-5/16-12 37 DEG. FLARED TUBE SHORT SWIVEL
14		VALVES, HYDRAULIC CONTROL -REFER TO HYDRAULIC CONTROL VALVES LISTING-

-37- SECTION E
3131 BACKHOE
BKH-1

POWER SUPPLY CONNECTIONS -CONTINUED
-500 C CRAWLER TRACTOR-

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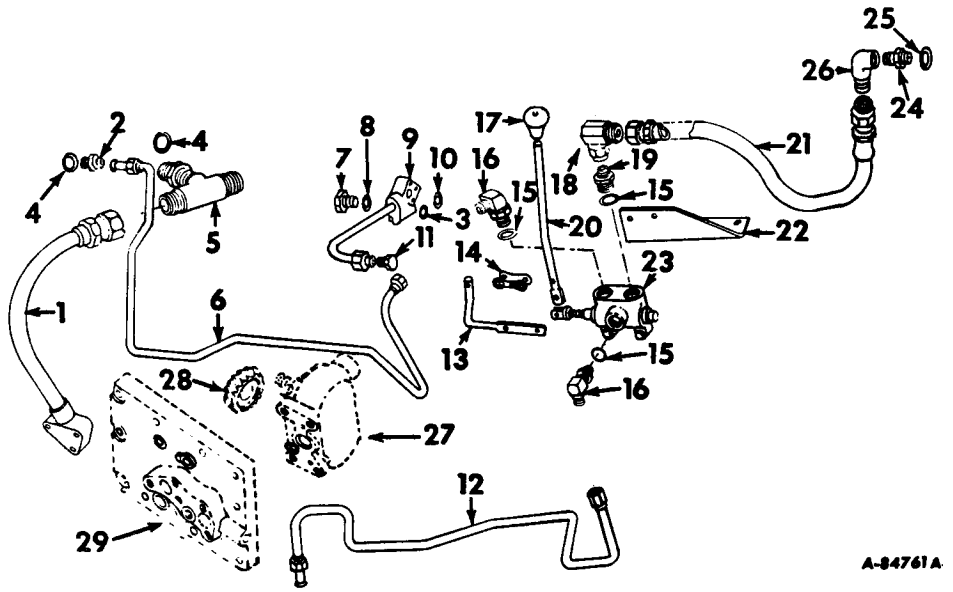
FLANGE AND POWER SUPPLY CONNECTIONS -SEE NOTE-



REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
1	475 186 R91	HOSE ASSY, 17 GPM PRESSURE	
2	573 206 R1	CONNECTOR, 5/8 HYD 37 DEG FLARED TUBE SHORT SWIVEL	
3	356 005 R1	O-RING, 1-1/8 X 1-3/8 X 1/8 TUBE FLANGE SUCTION CONNECTION	
4	368 269 R1	O-RING, 59/64 X 1-1/16 X 7/64 -2-	
5	9 411 120	TEE, 3/4 HYD 37 DEG FLARED TUBE ADJ STR THD	
6	475 187 R11	TUBE ASSY, DIVERTER VALVE TO STEERING	
7	9 410 359	PLUG, 1/2 TUBE STR THD O-RING BOSS IN DRAFT CONTROL TUBE FLANGE	
8	570 828 R1	O-RING, 1/2 TUBE	
9	469 905 R91	TUBE ASSY, DRAFT CONTROL	
	180 130	SCREW, 3/8 X 2 C-Z HEX-HD -3-	
	120 382	WASHER, 3/8 C-Z LOCK -3-	
10	355 965 R1	O-RING, 15/16 X 1-3/16 X 1/8 TUBE FLANGE POWER CONNECTIONS	
11	9 403 334	PLUG, 5/8 HYD 37 DEG FLARED TUBE	
12	474 477 R11	PIPE ASSY, DIVERTER	
13	478 886 R1	SUPPORT, DIVERTER VALVE LEVER	
14	587 372 R91	LINK, CHAIN ASSY	
15	364 885 R1	O-RING, .755 X .097 CLASS 4 -3-	
16	9 410 978	ELBOW, 7/8-14 C-Z 37 DEG HYD -2-	
17	53 717 DA	KNOB, DIVERTER VALVE LEVER	
18	9 410 282	ELBOW, 5/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL	
19	9 410 204	CONNECTOR, 7/8-14 C-Z 37 DEG HYD FLARED TUBE SHORT SWIVEL	

FLANGE AND POWER SUPPLY CONNECTIONS -CONTINUED -SEE NOTE-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
20	478 885 R1	LEVER, DIVERTER VALVE	
	669 546 R1	PIN, LEVER	
	19 454 R1	PIN, 5/64 X 7/16 COT.	
21	338 345 R91	HOSE ASSY, PRESSURE	
22	474 478 R1	BASE, DIVERTER VALVE	
23	478 887 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVES-	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
	180 086	SCREW, 5/16-18 X 1-7/8 C-Z HEX-HD CAP -2-	
	120 214	WASHER, 5/16 C-Z MED -2-	
24	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL	
25	364 885 R1	O-RING, 5/8 TUBE	
26	9 410 282	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE 90 DEG SWIVEL	
27		PUMP, HYDRAULIC INTERNAL -REFER TO TC-89 PARTS CATALOG-	
28		GEAR, DRIVE PUMP -FOR 606 AND 2606 TRACTORS- -REFER TO TC-88 OR TC-89 PARTS CATALOG-	
29		COVER, HYDRAULIC PUMP -REFER TO TC-88 OR TC-89 PARTS CATALOG-	

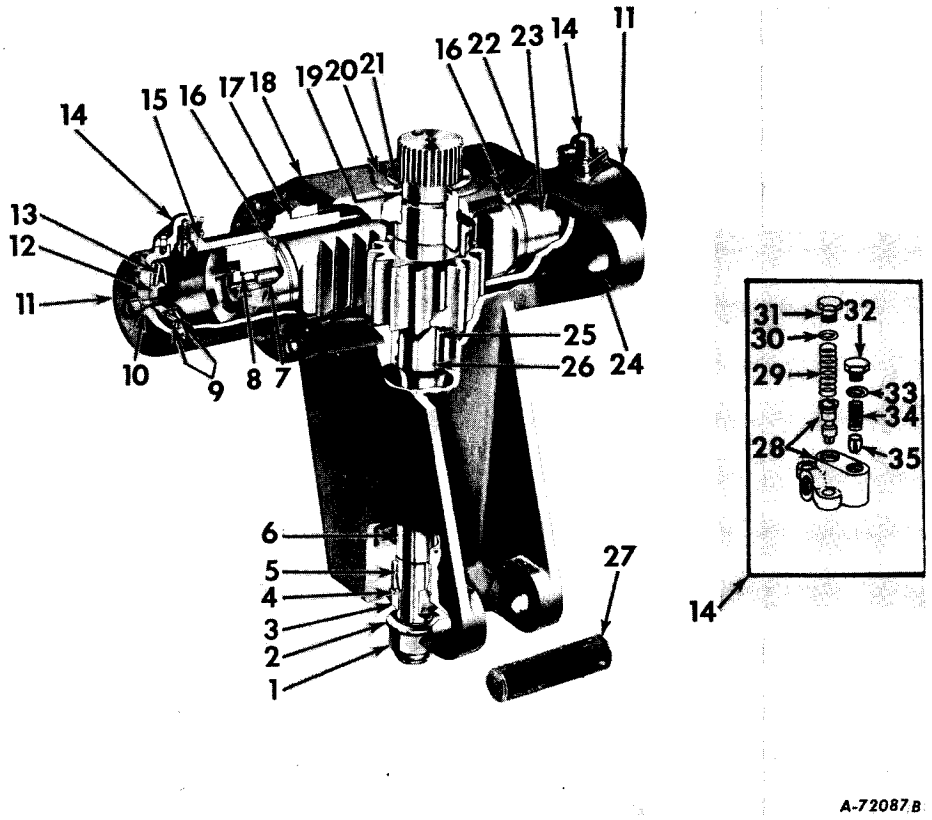
NOTE - FOR INTERNATIONAL 504, 606, 2504 AND 2606 TRACTORS EQUIPPED WITH 2000 OR 3000 LOADER OR INDEPENDENT SUBFRAME-

3131 BACKHOE -39- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SWING MECHANISM

SWING MECHANISM -CONTINUED



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REF. NO.	PART NUMBER	DESCRIPTION
1	18 460 R1	NUT, 1-1/2-12 ESNA STOP
2	469 079 R1	WASHER, SWING SHAFT
3	468 336 R1	SPACER, LOWER SWING SHAFT BRG
4	468 337 R1	RING, LOWER SWING SHAFT BUSHING SNAP
5	493 873 R91	BUSHING W/BALL, SWING SHAFT -REPLACES 299 480 R91
6	468 330 R1	SHAFT, BACKHOE SWING
7	394 311 R91	VALVE ASSY, SWING PISTON SAFETY -2-
8	296 247 R1	O-RING, 1 OD TUBE -2- -ON SAFETY VALVE ASSY-
9	468 345 R1	SPRING, SWING PISTON BUMPER -4- -FOR 17.1 IN. LONG CYLINDER-
10	299 496 R1	SEAL, BUMPER SPRING RETAINER SCREW DYNA -2- -FOR 17.1 IN. LONG CYLINDER-
	11 002 VA	WASHER, 17/32 X 7/8 X 16 GA -2- -FOR 17.1 IN. LONG CYLINDER-
11	481 807 R1	CYLINDER, BACKHOE SWING -2- -FOR 17.1 IN. LONG CYLINDER-
11	488 499 R1	BODY, BACKHOE SWING CYLINDER -2- -FOR 18.1 IN. LONG CYLINDER-
	484 667 R1	SCREW, 5/8-11 X 1-1/2 HEX-HD CAP -16-
	180 177	SCREW, 1/2-13 X 1-1/2 CD OR ZN-PLTD HEX-HD CAP -2- -FOR 17.1 IN. LONG CYLINDER-
9	410 358	PLUG, 9/16-18 C-Z STR THD O-RING BOSS -2- -FOR 18.1 IN. LONG CYLINDER-
	364 839 R1	O-RING, 3/8 OD TUBE -2- -FOR 18.1 IN. LONG CYLINDER-
12	468 343 R1	RETAINER, SWING CYL BUMPER SPRING -2- -FOR 17.1 IN. LONG CYLINDER-
13	470 471 R1	SPRING, SWING PISTON BUMPER -2- -FOR 17.1 IN. LONG CYLINDER-
14	392 941 R91	VALVE ASSY, DECELERATOR -2-
	138 222	SCREW, 5/16-18 X 3/4 HEX-HD SOCKET CAP -6-
15	481 767 R1	O-RING, 1-1/2 X 1-11/16 X 3/32 -2- -BETWEEN VALVE HOUSING & SWING CYL
16	468 340 R1	RING, SWING PISTON -2-
17	285 253 R1	O-RING, 5-1/2 X 5-3/4 X 1/8 -2- -BACKHOE SWING CYL-

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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	SWING MECHANISM -CONTINUED		
18	481 806 R31	HOUSING W/BUSHINGS, SWING	
	109 461	FITTING, 1/8-27 PTF STR LUB	
9	410 360	PLUG, 7/8-14 C-Z STR-THD O-RING BOSS	
	364 885 R1	O-RING, 5/8 OD TUBE	
		-O-RING BOSS PLUG-	
	479 670 R1	SCREW, 1/2-13 X 2 HEX-SOC-HD	
		HALF DOG PT SET	
19	468 335 R1	O-RING, 3-3/8 X 3-3/4 X 3/16	
		-FOR UPPER SWING SHAFT BUSHING-	
	489 532 R1	WASHER, BACKUP	
20	468 333 R2	BUSHING, UPPER SWING SHAFT	
	380 595 R1	O-RING, 5-5/8 X 5-7/8 X 1/8	
		-UPPER SWING SHAFT BUSHING-	
21	468 334 R91	SEAL, UPPER SWING SHAFT BUSHING DUST	
22	468 339 R1	O-RING, 4 X 4-1/4 X 1/8 -2-	
		-ON SWING MECHANISM PISTON-	
23	468 338 R1	PISTON, SWING MECHANISM	
		-FOR 17.1 IN. LONG CYLINDER-	
23	488 498 R1	PISTON, SWING MECHANISM	
		-FOR 18.1 IN. LONG CYLINDER-	
24	468 366 R1	BUSHING, BOOM PIVOT PIN -2-	
25	468 332 R1	BUSHING, LOWER SWING SHAFT BRONZE	
26	471 140 R1	O-RING, 3 X 3-3/8 X 3/16	
		-FOR POWER SWING SHAFT BUSHING-	
27	468 370 R1	PIN, BOOM CYL LOWER	
	177 923	PIN, 1/8 X 3/4 CD OR ZN-PLTD COT.	
		-2-	
	631 252 R1	PIN, 3/8 X 4-1/8 STD-HD -2-	
28	392 945 R91	HOUSING ASSY, VALVE	
29	392 963 R1	SPRING, VALVE PISTON	
30	364 885 R1	O-RING, 3/4 X 15/16 X 3/32	
31	392 964 R1	PLUG, PISTON	
32	392 962 R11	PLUG ASSY, CHECK VALVE	
33	570 828 R1	O-RING, 1/2 OD TUBE	
34	382 915 R1	SPRING ASSY, CHECK VALVE	
35	382 916 R1	POPPET, CHECK VALVE	

3131 BACKHOE -40- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

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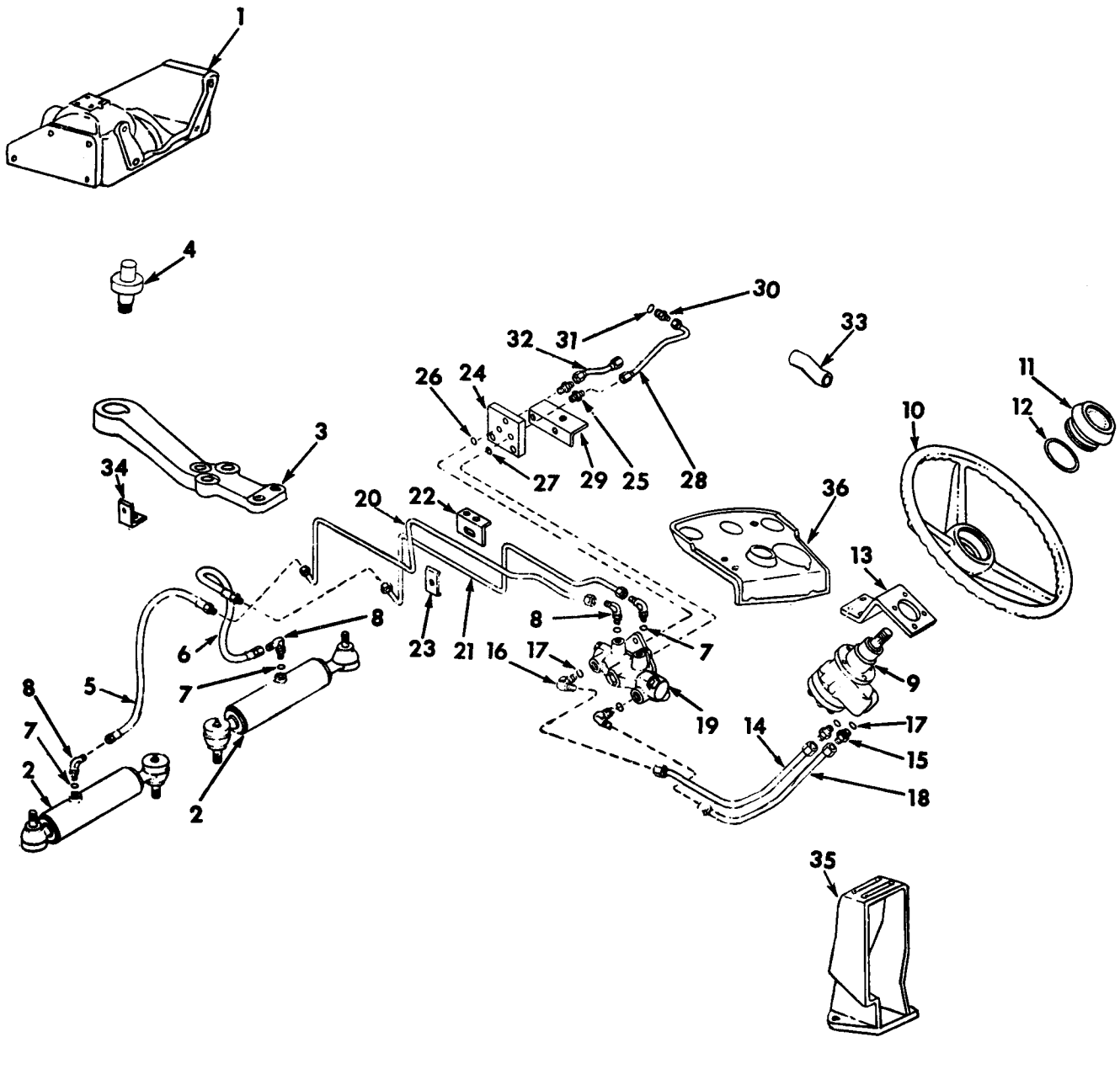
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC TUBING AND CONNECTIONS
-2444 INTERNATIONAL TRACTOR-



3131 BACKHOE -41- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC TUBING AND CONNECTIONS -CONTINUED
-2444 INTERNATIONAL TRACTOR-

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC TUBING AND CONNECTIONS -CONTINUED	
		-2444 INTERNATIONAL TRACTOR-	
		SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2444 GASOLINE TRACTOR W/O HYDRAULIC LIFT OR POWER STEERING - -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT A- -NOTE-	
		SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2444 DIESEL TRACTOR W/O HYDRAULIC LIFT OR POWER STEERING BUT WITH 388 468 R92 ENGINE AND 9 GPM PUMP- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT B- -NOTE-	
		NOTE - SEE HYDRAULIC CONNECTIONS FOR REMAINDER OF SERVICE PARTS-	
1	388 862 R92	BOLSTER ASSY, FRONT -UNIT B-	
	271 564	SCREW, 5/8-11 X 2-1/2 HEX-HD CAP -2-	
	271 570	SCREW, 5/8-11 X 4 HEX-HD CAP	
	49 952 D	STUD	
	274 468	NUT, 5/8-11 HEX.	
	103 325	WASHER, 5/8 MED LOCK -4-	
	444 574	PLUG, 1/4-18 AUTO-SQ-HD PIPE	
	444 576	PLUG, 1/4-18 AUTO-SQ-HD PIPE	
	444 658	PLUG, 3/8-18 AUTOMOTIVE SQ-SOC-HD PIPE	
	444 660	PLUG, 3/8-18 AUTOMOTIVE SQ-SOC-HD PIPE	
	529 683 R1	PLUG, STEERING WORN HOUSING FRONT	
	172 574	PLUG, 1-1/2 EXPANSION	
	446 220	WASHER, 1/2 X 1-1/8 X .083	
	356 568 R1	PLUG, STEERING GEAR HOUSING VENT	
1	388 864 R91	BOLSTER ASSY, FRONT -UNIT A-	
	271 562	SCREW, 5/8-11 X 2 HEX-HD CAP -3-	
	271 565	SCREW, 5/8-11 X 2-3/4 HEX-HD CAP -3-	
	444 574	PLUG, 1/4-18 AUTO-SQ-HD PIPE	
	444 576	PLUG, 1/4-18 AUTO-SQ-HD PIPE	
	444 658	PLUG, 3/8-18 AUTOMOTIVE SQ-SOC-HD PIPE	
	444 660	PLUG, 3/8-18 AUTOMOTIVE SQ-SOC-HD PIPE	
	529 683 R1	PLUG, STEERING WORN HOUSING FRONT	
	172 574	PLUG, 1-1/2 EXPANSION	
	446 220	WASHER, 1/2 X 1-1/8 X .083	
	356 568 R1	PLUG, STEERING GEAR HOUSING VENT	
2	389 389 R91	CYLINDER ASSY, HYDROSTATIC POWER STEERING -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDROSTATIC STEERING CYLINDER-	
	374 548 R1	NUT, ACTUATING CYLINDER -4-	
	108 641	PIN, 1/8 X 1-3/8 COT. -4-	
3	377 188 R2	ARM, STEERING GEAR	
4	388 869 R1	SHAFT, CENTER STEERING ARM PIVOT	
5	391 807 R91	HOSE ASSY, POWER STEERING LH CYLINDER	
6	389 504 R91	HOSE ASSY, POWER STEERING RH CYLINDER	
7	364 839 R1	O-RING, 3/8 OD TUBE -4- -CYLINDER HOSE CONNECTION-	
8	9 410 976	ELBOW, 9/16-18 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG -4-	
9	389 397 R92	PUMP ASSY, POWER STEERING HAND -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF POWER STEERING HAND PUMP-	
10	385 156 R1	WHEEL, 16 IN. DIA STEERING	

3131 BACKHOE -42- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC TUBING AND CONNECTIONS -CONTINUED	
		-2444 INTERNATIONAL TRACTOR-	
11	378 395 R1	CAP, STEERING WHEEL	
12	295 204 R1	O-RING, 2-13/16 X 3 X 3/32 STEERING WHEEL	
13	388 870 R1	BRACKET, HAND PUMP SUPPORT	
	179 818	SCREW, 5/16-18 X 1 HEX-HD CAP -4-	
	179 842	SCREW, 3/8-16 X 1-3/8 HEX-HD CAP -4-	
	102 635	NUT, 3/8-16 HEX. -4-	
	103 321	WASHER, 3/8 MED LOCK -4-	
14	388 871 R11	PIPE ASSY, VALVE TO HAND PUMP	
15	9 410 203	CONNECTOR, 3/4-16 37 DEG HYD FLARED TUBE SHORT SWIVEL -2-	
16	9 410 977	ELBOW, 3/4-16 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG -2-	
17	570 828 R1	O-RING, 1/2 OD TUBE -4-	
18	388 872 R11	PIPE ASSY, VALVE TO HAND PUMP	
19	385 131 R92	VALVE ASSY, POWER STEERING PILOT -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF POWER STEERING PILOT VALVE-	
20	388 873 R11	PIPE ASSY, FRONT POWER STEERING	
21	388 874 R11	PIPE ASSY, FRONT POWER STEERING	
22	388 875 R1	BRACKET, PIPE	
	15 008 R1	BOLT, 3/8 X 1 SQ-NK CRG	
	179 818	SCREW, 5/16-18 X 1 HEX-HD CAP	
	103 340	WASHER, 11/16 X 1-1/32 X .051	
23	389 503 R1	CLAMP, PIPE BRACKET	
	103 321	WASHER, 3/8 MED LOCK	
	102 635	NUT, 3/8-16 HEX.	
24	388 877 R1	PLATE, MANIFOLD	
	179 840	SCREW, 3/8-16 X 1-1/8 HEX-HD CAP	
	179 844	SCREW, 3/8-16 X 1-5/8 HEX-HD CAP -2-	
	103 321	WASHER, 3/8 MED LOCK -3-	
	102 635	NUT, 3/8-16 HEX. -2-	
25	9 402 682	CONNECTOR, 9/16-18 37 DEG HYD FLARED -2-	
26	369 908 R1	O-RING, 13/16 X 1 X 3/32 POWER STEERING PILOT VALVE	
27	362 796 R1	O-RING, 15/16 X 1-1/8 X 3/32 POWER STEERING PILOT VALVE	
28	389 516 R11	PIPE ASSY, FLOW DIVIDER TO STEERING VALVE	
29	388 880 R1	BRACKET, PILOT VALVE	
	179 854	SCREW, 7/16-14 X 5/8 HEX-HD CAP -2-	
	103 322	WASHER, 7/16 MED LOCK	
30	9 410 203	CONNECTOR, 3/4-16 37 DEG HYD FLARED	
31	364 885 R1	O-RING, 5/8 OD TUBE -2-	
32	389 517 R11	PIPE ASSY, STEERING VALVE TO SUCTION PIPE	
33	389 250 R1	HOSE, SUCTION	
34	388 889 R1	BRACKET, CLUTCH PEDAL RETURN SPRING	
	179 854	SCREW, 7/16-14 X 5/8 HEX-HD CAP	
	103 322	WASHER, 7/16 MED LOCK	
	20 549 R1	SCREW, 1/2-13 X 1-7/8 HEX-HD CAP -5- -UNIT B-	
	20 612 R1	SCREW, 1/2-13 X 1-3/8 HEX-HD CAP -5- -UNIT A-	
	364 257 R1	SCREW, 1/2-13 X 1-3/4 HEX-HD CAP -2- -UNIT B-	
	264 239 R1	SCREW, 1/2-13 X 2 HEX-HD CAP -2- -UNIT A-	
	103 323	WASHER, 1/2 MED LOCK -7-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC TUBING AND CONNECTIONS -CONTINUED -2444 INTERNATIONAL TRACTOR-	
35	388 661 R1	SUPPORT, FUEL TANK & STEERING	
	179 859	SCREW, 7/16-14 X 1-1/8 HEX-HD CAP -3-	
	103 322	WASHER, 7/16 MED LOCK -3-	
	271 558	SCREW, 5/8-11 X 1-1/2 HEX-HD CAP	
	103 325	WASHER, 5/8 MED LOCK	
36	401 414 R2	PANEL ASSY, INSTRUMENT	
	451 928	SCREW, 10-24 X 5/8 CR-REC-OV-HD MACH SS -2-	
	432 234	SCREW, 1/-24 X 1-1/8 CR-REC-OV-HD MACH SS -6-	

3131 BACKHOE -43- SECTION E

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

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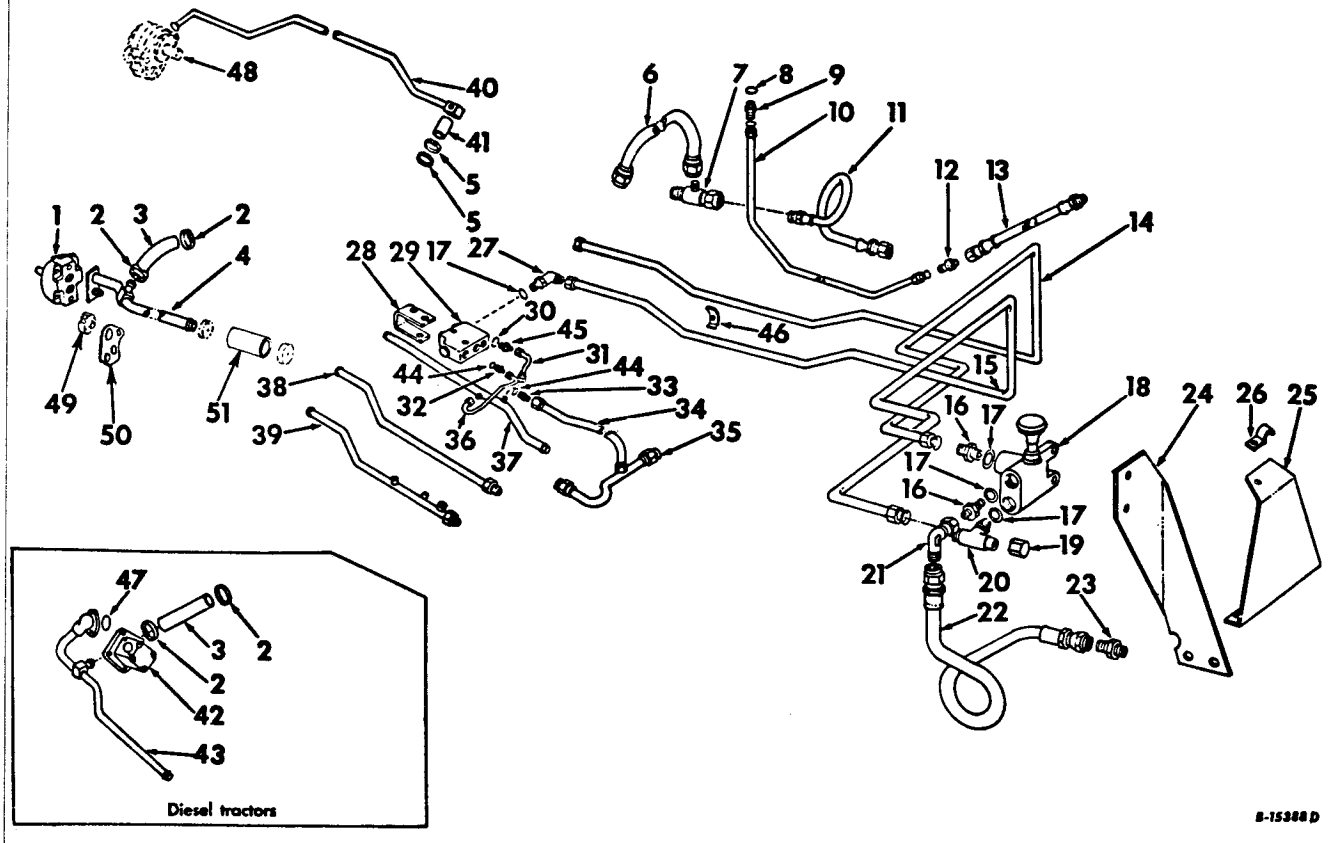
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS-FOR INTERNATIONAL 2424 & 2444 TRACTOR WITH 2000 & 2050 LOADER-

3131 BACKHOE -44- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS-FOR INTERNATIONAL 2424 & 2444 TRACTOR WITH 2000 & 2050 LOADER- -CONTINUED



SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2424 & 2444 GASOLINE OR DIESEL TRACTOR EQUIPPED WITH HITCH, LOADER & POWER STEERING- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT A-

SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2424 GASOLINE TRACTOR EQUIPPED WITH HITCH, LOADER BUT W/O POWER STEERING -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT B-

SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2424 DIESEL TRACTOR EQUIPPED WITH HITCH, LOADER BUT W/O POWER STEERING -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT C-

SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2424 GASOLINE OR DIESEL TRACTOR EQUIPPED WITH LOADER BUT W/O HITCH OR POWER STEERING -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT D-

SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2424 GASOLINE OR DIESEL TRACTOR EQUIPPED WITH LOADER, POWER STEERING BUT W/O HITCH -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT E-

SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2444 GASOLINE TRACTOR EQUIPPED W/HYDRAULIC LIFT AND W/O POWER STEERING - CONSISTS OF ALL PARTS MARKED UNIT F-

SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2444 DIESEL TRACTOR EQUIPPED W/HYDRAULIC LIFT AND W/O POWER STEERING AND W/ENGINE 388 468 R92 W/9 GPM PUMP -CONSISTS OF ALL PARTS MARKED UNIT G-

SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2444 GASOLINE TRACTOR EQUIPPED W/O HYDRAULIC LIFT AND W/O POWER STEERING -CONSISTS OF ALL PARTS MARKED UNIT H-

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS-FOR INTERNATIONAL 2424 & 2444 TRACTOR WITH 2000 & 2050 LOADER- -CONTINUED	
		SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2444 DIESEL TRACTOR TRACTOR EQUIPPED W/O HYDRAULIC LIFT AND W/O POWER STEERING BUT W/ENGINE 388 468 R92 AND W/9 GPM PUMP -CONSISTS OF ALL PARTS MARKED UNIT J-	
		SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2444 DIESEL TRACTOR EQUIPPED W/HYDRAULIC LIFT AND W/ POWER STEERING- -CONSISTS OF ALL PARTS MARKED UNIT K-	
		SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2444 GASOLINE TRACTOR EQUIPPED W/O HYDRAULIC LIFT AND W/O POWER STEERING- -CONSISTS OF ALL PARTS MARKED UNIT M-	
		-ALSO SEE HUDRAULIC TUBING AND CONNECTIONS LISTING FOR REMAINDER OF SERVICE PARTS-	
		SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 2444 DIESEL TRACTOR EQUIPPED W/HYDRAULIC LIFT AND W/O POWER STEERING -CONSISTS OF ALL PARTS MARKED UNIT N-	
		-ALSO SEE HUDRAULIC TUBING AND CONNECTIONS LISTING FOR REMAINDER OF SERVICE PARTS-	
1	368 633 R92	PUMP ASSY, HYD W/DRIVE GEAR -9 GPM- -THOMPSON- -GASOLINE- -UNITS B, D, E, F, H AND M- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYD PUMP -OPTIONAL WITH 376 993 R94-	
	355 965 R1	O-RING, 15/16 X 1-3/16 X 1/8 -2- -UNITS F, H AND M-	
1	376 993 R94	PUMP ASSY, HYD W/DRIVE GEAR -9 GPM- -CESSNA- -GASOLINE- -UNITS B, D, E, F, H AND M- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYD PUMP -OPTIONAL WITH 368 633 R92-	
	382 137 R1	O-RING, 1 X 1-3/16 X 3/32 -2- -UNITS F, H AND M-	
	186 282	SCREW, 3/8-16 X 3-1/4 HEX-HD CAP -2-	
	103 321	WASHER, 3/8 MED LOCK -2-	
2	274 087 R91	CLAMP, HOSE -2- -UNITS D, E, H, J, M AND N-	
3	369 428 R1	HOSE, 17 GPM SUCTION TO 9 GPM -UNIT D AND E-	
3	490 523 R1	HOSE, 17 GPM TO 9 GPM -UNIT H & M-	
3	490 524 R1	HOSE, 17 GPM SUCTION TO 9 GPM SUCTION -UNITS J & N-	
4	390 908 R91	PIPE ASSY, 9 GPM PUMP -GASOLINE- -UNIT D AND E-	
	103 026	NUT, 3/8-24 HEX. -2-	
	186 311	SCREW, 3/8-24 X 3-3/4 HEX-HD CAP -2-	
	103 321	WASHER, 3/8 MED LOCK -2-	
4	490 516 R1	TUBE ASSY, 9 GPM SUCTION -UNITS H & M-	
5	279 024 R91	CLAMP, SUCTION HOSE -2- UNITS D, E & 4 FOR UNITS H, J, M & N-	
6	390 897 R91	HOSE ASSY, CHARGING -UNITS D, E, H, J, M AND N-	
7	390 898 R91	FITTING RESTRICTING -UNITS D, E, H, J, M & N-	

3131 BACKHOE -45- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS-FOR INTERNATIONAL 2424 & 2444 TRACTOR WITH 2000 & 2050 LOADER- -CONTINUED	
8	297 459 R1	O-RING, 1.048 X .116	
9	9 410 206	CONNECTOR, 1-3/16-12 DEG HYD FLARED TUBE	
10	480 724 R11	PIPE ASSY, BACKHOE PRESSURE FROM LOADER	
11	383 941 R91	HOSE ASSY, BACKHOE RETURN	
12	469 785 R1	UNION, 1-5/16 X 1-3/16 REDUCING	
13	481 762 R91	HOSE ASSY, 17 GPM PRESSURE	
14	480 962 R11	PIPE ASSY, DIVERTER VALVE TO PRESSURE HOSE	
15	480 963 R11	PIPE ASSY, DIVERTER VALVE TO FLOW DIVIDER -UNIT A, B, C AND E-	
16	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL -2- -UNIT A, B, C AND E-	
17	364 885 R1	O-RING, .756 X .116 -2 FOR UNITS G, M & N- -3 FOR UNIT F- -4 FOR UNITS A, B, C & E-	
18	469 730 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVE- -OPTIONAL WITH 389 252 R92- -UNIT A, B, C AND E-	
	120 376	NUT, 5/16-18 HEX. -2-	
	180 085	SCREW, 5/16-18 X 1-3/4 HEX-HD CAP -2-	
	120 214	WASHER, 5/16 MED LOCK -2-	
18	389 252 R92	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVE- -OPTIONAL WITH 469 730 R91- -UNIT A, B, C AND E-	
	120 376	NUT, 5/16-18 HEX. -2-	
	180 085	SCREW, 5/16-18 X 1-3/4 HEX-HD CAP -2-	
	120 214	WASHER, 5/16 MED LOCK -2-	
19	9 403 373	CAP, 7/8-14 37 DEG HYD FALRED TUBE -UNITS A, B, C, E AND F-	
20	9 411 119	TEE, 7/8-14 37 DEG HYD FLARED TUBE ADJ STR THD -UNITS A, B, C, E, F, G, M & N-	
21	9 410 282	ELBOW, 5/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL -2- -UNIT A, B, C AND E-	
22	338 345 R91	HOSE ASSY, HYDRAULIC PRESSURE -UNIT A-	
22	469 731 R91	HOSE ASSY, 24 IN. HYDRAULIC PRESSURE	
23	9 403 217	UNION, 7/8-14 37 DEG HYD FLARED TUBE -UNITS D, H & J-	
24	480 964 R1	BRACKET, DIVERTER VALVE -UNIT A, B, C AND E-	
25	391 710 R1	BRACKET, TUBE -UNIT D, H & J-	
26	470 453 R1	CLIP, HYD TUBE -UNITS D, H & J-	
	120 375	NUT, 1/4-20 HEX.	
	180 020	SCREW, 1/4-20 X 3/4 HEX-HD CAP	
	120 380	WASHER, 1/4 MED LOCK	
27	9 410 978	ELBOW, 7/8 HYD FLARED TUBE ADJ STR THD 90 DEG	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS-FOR INTERNATIONAL -CONTINUED 2424 & 2444 TRACTOR WITH 2000 & 2050 LOADER-	
28	389 520 R1	BRACKET, FLOW DIVIDER MOUNTING -UNITS B, C, E, F, G, M AND N-	
	103 025	NUT, 5/16-24 HEX. -2-	
	179 856	SCREW, 7/16-14 X 3/4 HEX-HD CAP	
	148 115	SCREW, 5/16-24 X 2-1/4 CR-REC-PAN-HD MACH -2-	
	103 320	WASHER, 5/16 MED LOCK -2-	
29	389 412 R91	FLOW DIVIDER -UNITS B, C, E, F, G, M AND N- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF FLOW DIVIDER VALVE-	
30	364 839 R1	O-RING, .468 -UNITS B, C, E, F, G, M AND N-	
31	389 518 R11	PIPE ASSY, FLOW DIVIDER TO SUCTION -UNITS B, C, F, G, M AND N-	
32	587 639 R1	CONNECTOR, FLOW DIVIDER -UNITS B, C, E, F, G, M AND N-	
33	394 828 R1	CONNECTOR, POWER STEERING TO DUMP -UNITS B, C, F & G-	
34	389 519 R11	PIPE ASSY, FLOW DIVIDER TO HITCH -UNITS B, C, F & G-	
35	390 894 R11	PIPE ASSY, FLOW DIVIDER RETURN -UNITS E, M & N-	
36	632 455 R91	HOSE ASSY, POWER STEERING TO DUMP -UNITS B, C, F & G-	
37	389 521 R11	PIPE ASSY, SUCTION -UNITS B, C, F, G AND M-	
38	390 905 R11	PIPE ASSY, SUCTION -UNITS D, H & J-	
39	390 906 R11	PIPE ASSY, SUCTION -UNITS E, M & N-	
40	390 904 R1	PIPE ASSY, 17 GPM TO 9 GPM SUCTION -UNIT D AND E-	
40	490 518 R11	TUBE ASSY, 17 GPM SUCTION W/BACKHOE -UNIT M-	
40	490 525 R1	TUBE ASSY, 17 GPM SUCTION W/BACKHOE -UNITS J & N-	
41	390 901 R1	HOSE, FILTER TO 17 GPM SUCTION LINE -UNIT D AND E-	
42	3 043 981 R93	PUMP ASSY, HYD W/DRIVE GEAR -9 GPM- -DIESEL- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC PUMP- -UNIT C-	
43	390 903 R91	PIPE ASSY, PUMP SUCTION -DIESEL- -UNIT D AND E-	
	20 483 R1	SCREW, 5/16-18 X 3/4 HEX-SOC-HD CAP -2-	
	103 320	WASHER, 5/16 MED LOCK -2-	
43	490 520 R1	TUBE ASSY, PUMP SUCTION -UNITS J & N-	
44	570 828 R1	O-RING, .644 X .087 -UNITS B, C, E, F AND G-	
45	9 410 202	CONNECTOR, 9/16-18 37 DEG HYD FLARED TUBE SHORT SWIVEL -UNIT B, C AND E F, G, M AND N-	
46	470 245 R1	CLAMP, TUBE	
	120 378	NUT, 1/2-13 C-Z HEX.	
	180 181	SCREW, 1/2-13 X 2 C-Z HEX-HD CAP	
	120 384	WASHER, 1/2 C-Z MED LOCK	
47	369 908 R1	O-RING, 13/16 X 1 X 3/32 -UNITS D, E J AND N-	

3131 BACKHOE -46- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS-FOR INTERNATIONAL -CONTINUED 2424 & 2444 TRACTOR WITH 2000 & 2050 LOADER-	
48		PUMP, HYDRAULIC -REFER TO TC-107 OR TC-125 PARTS CATALOG-	
49	350 709 R1	GEAR, HYDRAULIC PUMP DRIVE -16T- -UNITS F & H-	
	115 549	WASHER, 3/8 INT-TOOTH	
	114 494	NUT, 3/8-24 HEX. JAM	
50	350 708 R1	GASKET, HYDRAULIC PUMP -UNITS F, H & M-	
51	389 250 R1	HOSE, SUCTION -UNITS H & J-	
		NOTE - UNITS G, J, K & N ALSO INCLUDE 2 BATTERIES 391 882 R91, 1 FENDER 490 526 R1, FENDER 490 227 R1, AND TWO PANELS, 392 287 R1-	

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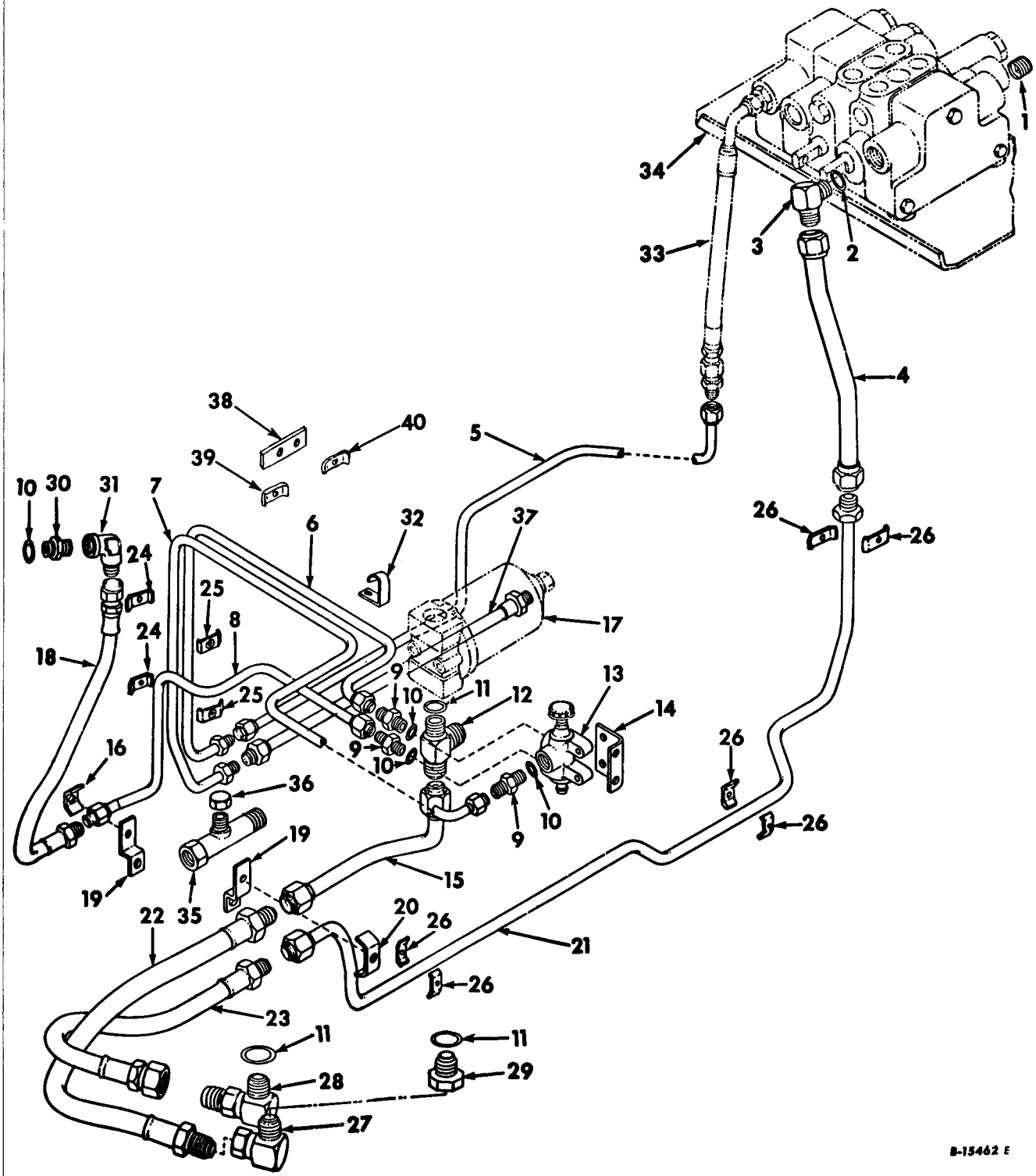
REF. NO.	PART NUMBER	DESCRIPTION

HYDRAULIC CONNECTIONS -FOR USE ON INTERNATIONAL 3514 & 3616 LOADER TRACTORS-

-47- SECTION E
3131 BACKHOE
BKH-1

REF. NO.	PART NUMBER	DESCRIPTION

HYDRAULIC CONNECTIONS -FOR USE ON -CONTINUED INTERNATIONAL 3514 & 3616 LOADER TRACTORS-



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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -FOR USE ON -CONTINUED INTERNATIONAL 3514 & 3616 LOADER TRACTORS-	
1	444 702	PLUG, 1/2-14 AUTOMOTIVE HEX. SOC	
1	444 697	PLUG, 3/8-18 AUTOMOTIVE HEX. SOC	
2	297 459 R1	O-RING, 7/8 OD TUBE	
3	9 410 980	ELBOW, 1-3/16-12 37 DEG HYD FLARED TUBE STR THD 90 DEG	
4	394 439 R11	TUBE ASSY, HYD LOADER VALVE TO BACKHOE PRESSURE TUBE -FOR 3616 TRACTORS-	
4	492 832 R1	PIPE ASSY, PRESSURE TO BACKHOE FRONT -FOR 3514 TRACTORS W/AUXILIARY VALVES-	
4	492 031 R1	PIPE ASSY, PRESSURE TO BACKHOE FRONT -FOR 3514 TRACTORS W/O AUXILIARY VALVES-	
5	480 979 R21	PIPE ASSY, INTERMEDIATE DIVERTER VALVE TO FLOW DIVIDER	
6	480 980 R11	PIPE ASSY, DIVERTER VALVE TO INTERMEDIATE TUBE TO FLOW DIVIDER	
	394 418 R1	HOSE, TUBE CUSHION	
7	480 978 R11	PIPE ASSY, BELLY PUMP HOSE TO DIVERTER VALVE	
8	481 732 R11	PIPE ASSY, DIVERTER VALVE TO BACKHOE SWING BOTTOM PORT	
9	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL -3-	
10	364 885 R1	O-RING, 5/8 TUBE -4-	
11	296 247 R1	O-RING, 1-11/16 X 1-13/32 X 7/64 -3-	
12	9 411 135	TEE, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG	
13	389 251 R92	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVES- OPTIONAL WITH 383 946 R91-	
13	383 946 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVES- OPTIONAL WITH 389 251 R92-	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
	180 085	SCREW, 5/16-18 X 1-3/4 C-Z HEX-HD CAP -2-	
	120 214	WASHER, 5/16 C-Z MED LOCK -2-	
14	480 702 R1	BRACKET, DIVERTER VALVE	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
	180 077	SCREW, 5/16-18 X 3/4 C-Z HEX-HD CAP -2-	
	120 214	WASHER, 5/16 C-Z MED LOCK -2-	
15	480 982 R11	PIPE ASSY, BACKHOE RETURN TO FILTER	
16	470 245 R1	CLAMP, TUBE	
	180 178	SCREW, 1/2-13 X 1-5/8 C-Z HEX-HD CAP	
	120 384	WASHER 1/2 C-Z MED LOCK	
	120 378	NUT, 1/2-13 C-Z HEX.	
17		OIL FILTER - REFER TO OIL FILTER LISTINGS, THIS SECTION-	
18	477 880 R91	HOSE ASSY, TRACTOR TO BACKHOE -40 IN. LONG-	
19	480 706 R1	BRACKET, BACKHOE TUBES -2-	
	271 562	SCREW, 5/8-11 X 2 C-Z HEX-HD CAP -2-	
20	469 996 R1	CLAMP, BACKHOE TUBES	
	120 378	NUT, 1/2-13 C-Z HEX.	
	180 177	SCREW, 1/2-13 X 1-1/2 C-Z HEX-HD CAP	
	120 384	WASHER, 1/2 C-Z MED LOCK	

3131 BACKHOE -48- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -FOR USE ON -CONTINUED INTERNATIONAL 3514 & 3616 LOADER TRACTORS-	
21	490 664 R2	PIPE ASSY, LOADER TO BACKHOE 22 GPM PRESSURE -FOR 3616 TRACTORS-	
21	492 032 R1	PIPE ASSY, PRESSURE TO BACKHOE REAR -FOR 3514 TRACTORS-	
22	484 898 R91	HOSE ASSY, RETURN BACKHOE TO TRACTOR -54 IN. LONG- -FOR 3616 TRACTORS-	
	271 547	SCREW, 5/8-11 X 1-1/2 C-Z HEX-HD CAP	
22	470 246 R91	HOSE ASSY, RETURN BACKHOE TO TRACTOR -33 INS. LONG- -FOR 3514 TRACTOR-	
23	484 897 R91	HOSE ASSY, 22 GPM PUMP PRESSURE -50 IN. LONG- -FOR 3616 TRACTORS-	
23	394 710 R91	HOSE ASSY, HYDRAULIC -44 IN. LONG- -FOR 3514 TRACTORS-	
24	384 855 R1	CLAMP, HYD TUBE -2-	
25	384 855 R11	CLAMP ASSY, HYD TUBE -2-	
	180 021	SCREW, 1/4-20 X 7/8 C-Z HEX-HD CAP -2-	
	120 380	WASHER, 1/4 C-Z MED LOCK -2-	
26	379 045 R1	CLAMP -6-	
	120 376	NUT, 5/16-18 C-Z HEX. -3-	
	180 086	SCREW, 5/16-18 X 1-7/8 C-Z HEX-HD CAP	
	120 214	WASHER, 5/16 C-Z MED LOCK -3-	
27	9 410 285	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL	
28	9 410 981	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG	
29	481 766 R1	ADAPTER, 1-5/16- 12 37 DEG HYD FLARED	
30	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL	
31	9 410 282	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE 90 DEG SWIVEL	
32	484 782 R1	CLAMP	
33		HOSE ASSY, PRESSURE TO LH END COVER -REFER TO TC-112 PARTS CATALOG-	
34		VALVE BANK -REFER TO HYDRAULIC CONTROL VALVES LISTINGS-	
35	485 314 R2	TEE, SWIVEL RUN REDUCER	
36	9 403 373	CAP, 7/8-14 37 DEG HYD FLARED	
37	401 168 R1	HOSE ASSY, 20 IN. LONG	
38	400 502 R1	BAR, CLAMP -2-	
39	391 478 R2	CLAMP, TUBE	
	180 083	SCREW, 5/16-18 X 1-1/2 C-Z HEX-HD CAP -2-	
	180 079	SCREW, 5/16-18 X 1 C-Z HEX-HD CAP -2-	
	120 214	WASHER, 5/16 C-Z MED LOCK -2-	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
40	481 726 R1	CLAMP, TUBE -2-	
Q	399	WASHER, 11/32 X 1 X .06	
	180 086	SCREW, 5/16-18 X 1-7/8 ZND HEX-HD .00 CAP -2-	
	120 214	WASHER, 5/16 C-Z MED LOCK -2-	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	

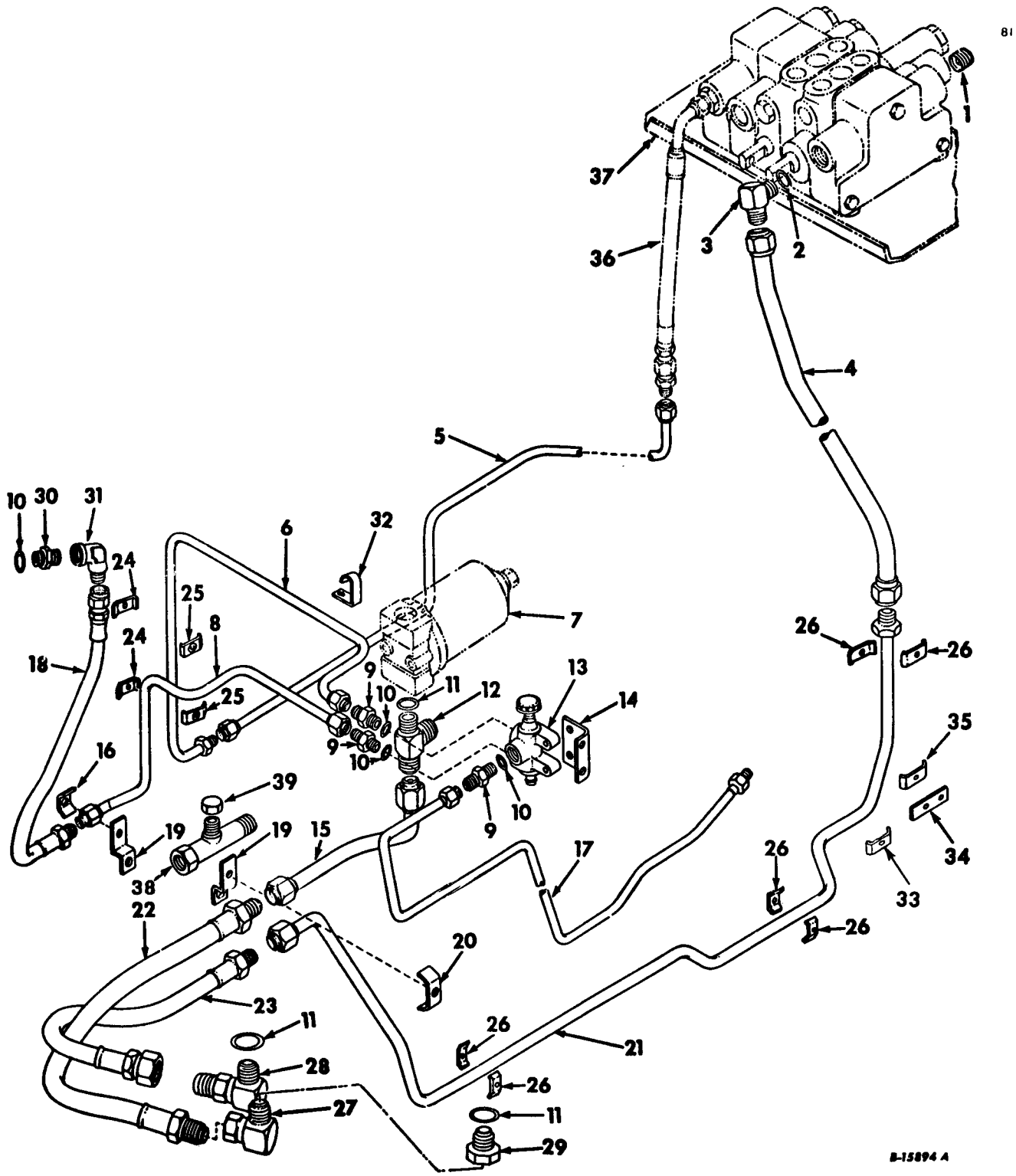
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS
-FOR I 3514 AND 3616 LOADER TRACTORS
WITH HYDROSTATIC DRIVE-

3131 BACKHOE -49- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS -CONTINUED
-FOR I 3514 AND 3616 LOADER TRACTORS
WITH HYDROSTATIC DRIVE-



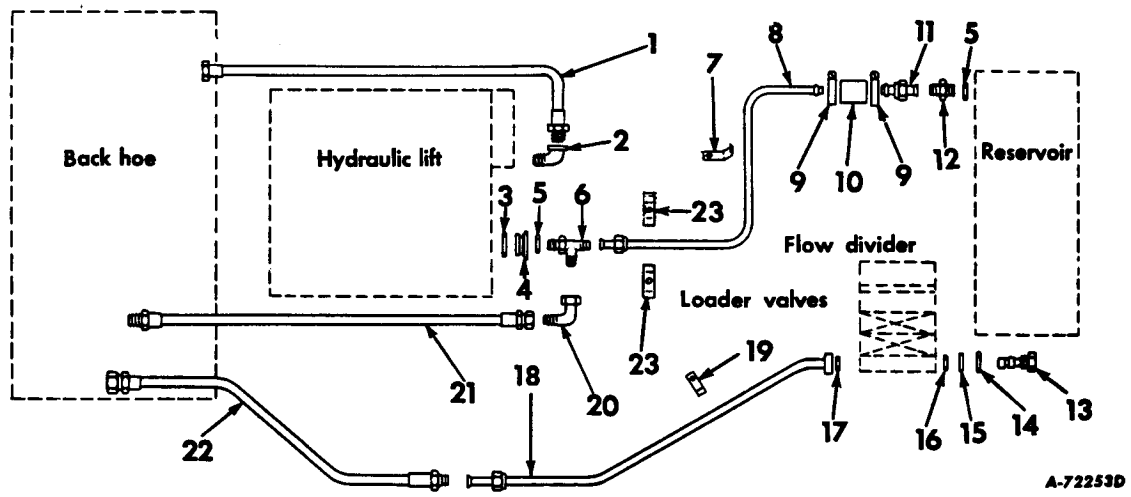
PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -CONTINUED -FOR I 3514 AND 3616 LOADER TRACTORS WITH HYDROSTATIC DRIVE-	
1	444 702	PLUG, 1/2-14 AUTOMOTIVE HEX. SOC	
1	444 697	PLUG, 3/8-18 AUTOMOTIVE HEX. SOC	
2	297 459 R1	O-RING, 7/8 OD TUBE	
3	9 410 980	ELBOW, 1-3/16-12 37 DEG HYD FLARED TUBE STR THD 90 DEG	
4	394 439 R11	TUBE ASSY, HYD LOADER VALVE TO BACKHOE PRESSURE TUBE -FOR 3616 TRACTORS-	
4	492 832 R1	PIPE ASSY, PRESSURE TO BACKHOE FRONT -FOR 3514 TRACTORS W/AUXILIARY VALVES-	
4	492 031 R1	PIPE ASSY, PRESSURE TO BACKHOE FRONT -FOR 3514 TRACTORS W/O AUXILIARY VALVES-	
5	480 979 R21	PIPE ASSY, INTERMEDIATE DIVERTER VALVE TO FLOW DIVIDER	
6	480 980 R11	PIPE ASSY, DIVERTER VALVE TO INTERMEDIATE TUBE TO FLOW DIVIDER	
	394 418 R1	HOSE, TUBE CUSHION	
7		OIL FILTER-REFER TO OIL FILTER LISTINGS-	
8	481 732 R11	PIPE ASSY, DIVERTER VALVE TO BACKHOE SWING BOTTOM PORT	
9	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL -3-	
10	364 885 R1	O-RING, 5/8 TUBE -4-	
11	296 247 R1	O-RING, 1-11/16 X 1-13/32 X 7/64 -3-	
12	9 411 135	TEE, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG	
13	389 251 R92	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVES- OPTIONAL WITH 383 946 R91-	
13	383 946 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVES- OPTIONAL WITH 389 251 R92-	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
	180 085	SCREW, 5/16-18 X 1-3/4 C-Z HEX-HD CAP -2-	
	120 214	WASHER, 5/16 C-Z MED LOCK -2-	
14	480 702 R1	BRACKET, DIVERTER VALVE	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
	180 077	SCREW, 5/16-18 X 3/4 C-Z HEX-HD CAP -2-	
	120 214	WASHER, 5/16 C-Z MED LOCK -2-	
15	480 982 R11	PIPE ASSY, BACKHOE RETURN TO FILTER	
16	470 245 R1	CLAMP, TUBE	
	180 178	SCREW, 1/2-13 X 1-5/8 C-Z HEX-HD CAP	
	120 384	WASHER, 1/2 C-Z MED LOCK	
	120 378	NUT, 1/2-13 C-Z HEX.	
17	489 039 R1	TUBE ASSY, DIVERTER VALVE PRESS	
18	477 880 R91	HOSE ASSY, TRACTOR TO BACKHOE -40 IN. LONG-	
19	480 706 R1	BRACKET, BACKHOE TUBES -2-	
	271 562	SCREW, 5/8-11 X 2 C-Z HEX-HD CAP -2-	
20	469 996 R1	CLAMP, BACKHOE TUBES	
	120 378	NUT, 1/2-13 C-Z HEX.	
	180 177	SCREW, 1/2-13 X 1-1/2 C-Z HEX-HD CAP	
	120 384	WASHER, 1/2 C-Z MED LOCK	

3131 BACKHOE -50- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -CONTINUED -FOR I 3514 AND 3616 LOADER TRACTORS WITH HYDROSTATIC DRIVE-	
21	490 664 R2	PIPE ASSY, LOADER TO BACKHOE 22 GPM PRESSURE -FOR 3616 TRACTORS-	
21	492 032 R1	PIPE ASSY, PRESSURE TO BACKHOE REAR -FOR 3514 TRACTORS-	
22	484 898 R91	HOSE ASSY, RETURN BACKHOE TO TRACTOR -54 IN. LONG- -FOR 3616 TRACTORS-	
	271 547	SCREW, 5/8-11 X 1-1/2 C-Z HEX-HD CAP	
22	470 246 R91	HOSE ASSY, RETURN BACKHOE TO TRACTOR -33 INS. LONG- -FOR 3514 TRACTOR-	
23	484 897 R91	HOSE ASSY, 22 GPM PUMP PRESSURE -50 IN. LONG- -FOR 3616 TRACTORS-	
23	394 710 R91	HOSE ASSY, HYDRAULIC -44 IN. LONG- -FOR 3514 TRACTORS-	
24	384 855 R1	CLAMP, HYD TUBE -2-	
25	384 855 R11	CLAMP ASSY, HYD TUBE -2-	
	180 021	SCREW, 1/4-20 X 7/8 C-Z HEX-HD CAP -2-	
	120 380	WASHER, 1/4 C-Z MED LOCK -2-	
26	379 045 R1	CLAMP -6-	
	120 376	NUT, 5/16-18 C-Z HEX. -3-	
	180 086	SCREW, 5/16-18 X 1-7/8 C-Z HEX-HD CAP -3-	
	120 214	WASHER, 5/16 C-Z MED LOCK -3-	
27	9 410 285	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL	
28	9 410 981	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG	
29	481 766 R1	ADAPTER, 1-5/16- 12 37 DEG HYD FLARED	
30	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL	
31	9 410 282	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE 90 DEG SWIVEL	
32	484 782 R1	CLAMP	
33	481 726 R1	CLAMP, TUBE -2-	
Q	399	WASHER, 11/32 X 1 X .06	
	180 086	SCREW, 5/16-18 X 1-7/8 ZND HEX-HD .00 CAP -2-	
	120 214	WASHER, 5/16 C-Z MED LOCK -2-	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
34	400 502 R1	CLAMP, BAR	
	180 083	SCREW, 5/16-18 X 1-1/2 C-Z HEX-HD -2-	
	180 079	SCREW, 5/16-18 X 1 C-Z HEX-HD CAP -2-	
	120 214	WASHER, 5/16 C-Z MED LOCK -2-	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
35	391 478 R2	CLAMP, TUBE	
36		HOSE ASSY, PRESSURE TO LH END COVER -REFER TO TC-112 PARTS CATALOG-	
37		VALVE BANK -REFER TO HYDRAULIC CONTROL VALVES LISTING-	
38	485 314 R2	TEE, SWIVEL RUN REDUCER	
39	9 403 373	CAP, 7/8-14 37 DEG HYD FLARED TUBE	

HYDRAULIC CONNECTIONS -FOR 3414 LOADER TRACTOR W/HYDRAULIC LIFT-



1		470 816 R91	HOSE ASSY, 1/2 X 48-1/2 HYDRAULIC
2		444 044	ELBOW, 1/2-14 AUTO. 90 DEG BRS STREET
3		382 781 R1	O-RING, 1-3/4 X 1-15/16 X 3/32
4		381 777 R1	PLUG, LIFT RETURN
5		296 247 R1	O-RING, 1.171 X .116 -2-
6	9	411 135	TEE, 1-5/16-12 C-Z FLARED TUBE 90 DEG STL
7		384 291 R1	CLAMP, RETURN TUBE
			SCREW, 3/8-16 X 1-1/8 HEX-HD CAP
8		381 778 R11	TUBE ASSY, RETURN
9		39 128 H	CLAMP, HOSE -2-
10		380 521 R1	HOSE, 1 X 3 IN.
11		383 051 R11	TUBE ASSY, RETURN FRONT
12	9	410 207	CONNECTOR, 1-5/16-12 C-Z FLARED TUBE SWIVEL
13		470 583 R1	PLUG, POWER BEYOND -2-
14		364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -5-
15		470 584 R1	WASHER, BACK-UP -2-
16		470 585 R1	O-RING, 1/2 X 11/16 X 3/32
17		382 137 R1	O-RING, 1 X 1-3/16 X 3/32
18		469 783 R11	TUBE ASSY, LOADER VALVE TO AUXILIARY VALVE
		179 840	SCREW, 3/8-16 X 1-1/8 C-Z HEX-HD CAP -2-
		103 321	WASHER, 3/8 C-Z MED LOCK -2-
19		383 122 R1	CLAMP, LOADER VALVE TO AUXILIARY VALVE
20	9	410 285	ELBOW, 1-5/16-12 C-Z FLARED TUBE 90 DEG SWIVEL
21		483 141 R91	HOSE ASSY, HYDRAULIC RETURN
22		481 762 R91	HOSE ASSY, HYDRAULIC - 17 GPM PRESSURE
23		383 120 R1	BRACKET, TUBE -2-
		179 824	SCREW, 5/16 X 1-3/4 HEX-HD CAP
		103 320	WASHER, 5/16 LOCK
		102 634	NUT, 5/16 HEX.

-51- SECTION E
3131 BACKHOE
REF. NO. | PART NUMBER | DESCRIPTION | BKH-1
HYDRAULIC CONNECTIONS -FOR 3414 LOADER -CONTINUED TRACTOR W/HYDRAULIC LIFT-
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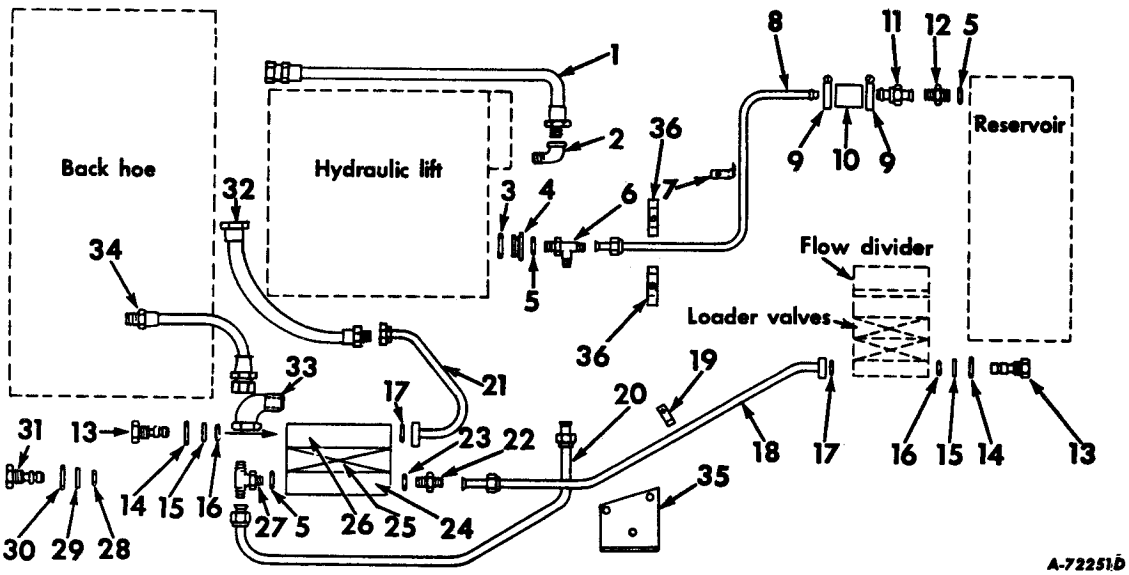
HYDRAULIC CONNECTIONS -FOR 3414 LOADER TRACTOR W/HYDRAULIC LIFT & AUXILIARY VALVE

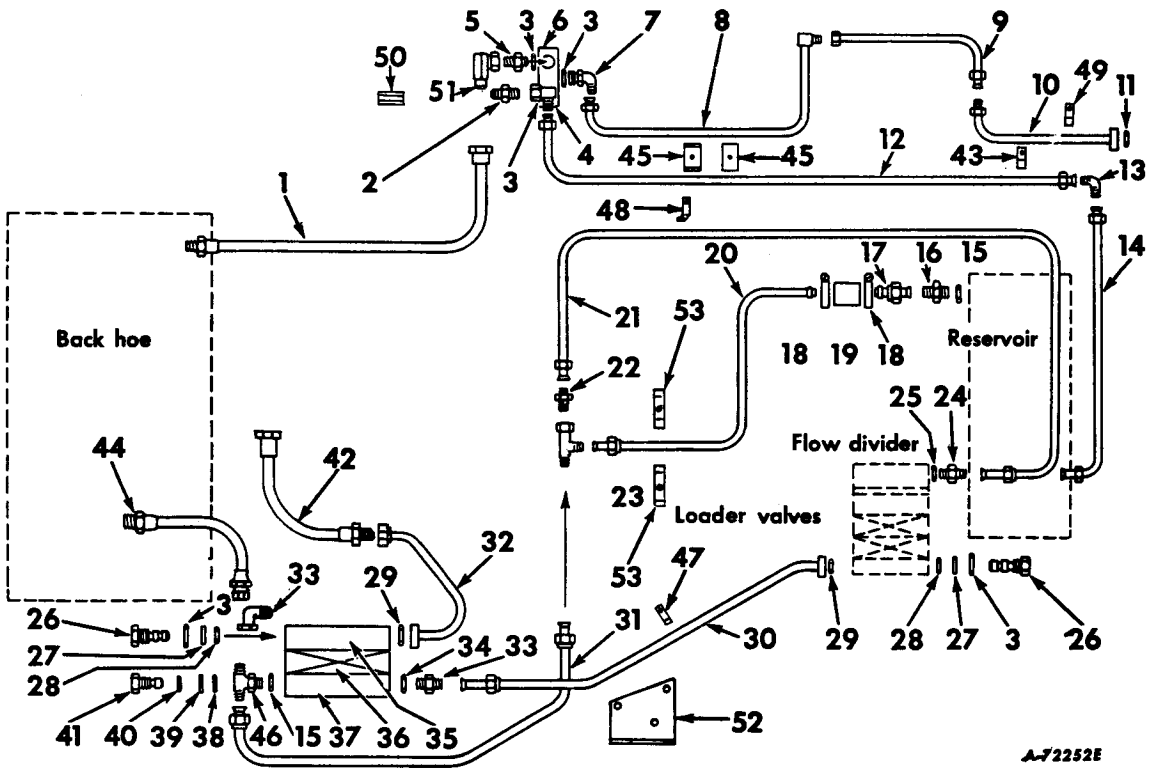


REF. NO.	PART NUMBER	DESCRIPTION
1	470 816 R91	HOSE ASSY, 1/2 X 48-1/2 HYDRAULIC
2	444 044	ELBOW, 1/2-14 AUTO. 90 DEG STREET
3	382 781 R1	O-RING, 1-3/4 X 1-15/16 X 3/32
4	381 777 R1	PLUG, LIFT RETURN
5	296 247 R1	O-RING, 1.171 X .116 -3-
6	9 411 135	TEE, 1-5/16-12 C-Z FLARED TUBE 90 DEG ADJ
7	384 291 R1	CLAMP, RETURN TUBE SCREW, 3/8-16 X 1-1/8 HEX-HD CAP
8	381 778 R11	TUBE ASSY, RETURN
9	39 128 H	CLAMP, HOSE -2-
10	380 521 R1	HOSE, 1 X 3 IN.
11	383 051 R11	TUBE ASSY, RETURN FRONT
12	9 410 207	CONNECTOR, 1-5/16-12 C-Z FLARED TUBE SWIVEL
13	470 583 R1	PLUG, POWER BEYOND -2-
14	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -2-
15	470 584 R1	WASHER, BACK-UP -2-
16	470 585 R1	O-RING, 1/2 X 11/16 X 3/32 -2-
17	382 137 R1	O-RING, 1 X 1-3/16 X 3/32 -2-
18	469 783 R11	TUBE ASSY, LOADER VALVE TO AUXILIARY VALVE SCREW, 3/8-16 X 1-1/8 C-Z HEX-HD CAP -2- WASHER, 3/8 C-Z MED LOCK -2-
19	383 122 R1	CLAMP, LOADER VALVE TO AUXILIARY VALVE TUBE
20	471 116 R11	TUBE ASSY, AUXILIARY VALVE RETURN

HYDRAULIC CONNECTIONS -FOR 3414 LOADER -CONTINUED TRACTOR W/HYDRAULIC LIFT & AUXILIARY VALVE

REF. NO.	PART NUMBER	DESCRIPTION
21	483 142 R11	TUBE ASSY, PRESSURE AUXILIARY TO BACKHOE SCREW, 3/8-16 X 1-1/8 C-Z HEX-HD -2- WASHER, 3/8 C-Z MED LOCK -2-
22	9 410 206	CONNECTOR, 1-3/16-12 C-Z FLARED TUBE
23	297 459 R1	O-RING, 1.048 X .116
24	381 143 R1	COVER, PRESSURE END SCREW, 3/8-16 X 1 HEX-HD CAP -3- 381 885 R1 O-RING, 1-3/8 X 1-9/16 X 3/32 381 884 R1 O-RING, 1 X 1-3/16 X 3/32 -2-
25	383 271 R92	VALVE ASSY, CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CONTROL VALVES- 381 885 R1 O-RING, 1-3/8 X 1-9/16 X 3/32 381 884 R1 O-RING, 1 X 1-3/16 X 3/32 -2-
26	469 782 R3	COVER, CONVERTIBLE END 381 784 R1 SCREW, 3/8-16 X 3-3/8 HEX-HD CAP -2- 381 783 R1 SCREW, 3/8-16 X 3-7/8 HEX-HD CAP
27	9 411 122	TEE, 1-5/16-12 C-Z FLARED TUBE ADJ
28	364 879 R1	O-RING, 7/8 X 1-11/16 X 3/32
29	378 985 R2	WASHER, BACKUP
30	383 219 R1	O-RING, 15/16 X 1-1/8 X 3/32
31	378 899 R1	PLUG, RELIEF VALVE CHAMBER
32	383 942 R91	HOSE ASSY, 17 GPM PUMP PRESSURE
33	9 410 285	ELBOW, 1-5/16-12 C-Z FLARED TUBE 90 DEG SWIVEL
34	383 941 R91	HOSE ASSY, BACKHOE RETURN
35	381 773 R11	MOUNTING ASSY, AUXILIARY VALVE 179 881 SCREW, 1/2-13 X 1 HEX-HD CAP -4-
36	383 120 R1	BRACKET, TUBE -2- 179 824 SCREW, 5/16 X 1-3/4 HEX-HD CAP 103 320 WASHER, 5/16 LOCK 102 634 NUT, 5/16 HEX.

HYDRAULIC CONNECTIONS
-FOR 3414 LOADER TRACTOR W/AUXILIARY VALVE



REF. NO.	PART NUMBER	DESCRIPTION
1	338 345 R91	HOSE ASSY, 1/2 X 26-1/2 PRESSURE
2	9 403 217	UNION, 5/8 TUBE
3	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -5-
4	383 943 R91	ELBOW W/SWIVEL, 90 DEG SIDE OUTLET
5	9 410 204	CONNECTOR, 7/8-14 37 DEG C-Z FLARED TUBE SHORT SWIVEL
6	389 251 R92	VALVE ASSY, DIVERTER -OPTIONAL WITH 383 946 R91-
6	383 946 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVES-
	120 376	NUT, 5/16-18 C-Z HEX. -2-
	180 085	SCREW, 5/16-18 X 1-3/4 C-Z HEX-HD CAP -2-
	120 214	WASHER, 5/16 C-Z MED LOCK -2-
7	9 410 978	ELBOW, 7/8-14 37 DEG C-Z FLARED TUBE
8	483 144 R11	TUBE ASSY, 9 GPM PRESSURE DIVERTER VALVE END
9	383 936 R11	TUBE ASSY, 9 GPM PRESSURE CENTER
10	383 937 R92	TUBE ASSY, 9 GPM PRESSURE PUMP END
	138 203	SCREW, 1/4-20 X 1-1/4 HEX-SOC-HD CAP -4-
		WASHER, 1/4 C-Z MED LOCK -4-
11	352 221 R1	O-RING, 9/16 X 3/4 X 3/32

-53- SECTION E
3131 BACKHOE
BKH-1

HYDRAULIC CONNECTIONS -CONTINUED
-FOR 3414 LOADER TRACTOR W/AUXILIARY VALVE

REF. NO.	PART NUMBER	DESCRIPTION
12	483 143 R11	TUBE ASSY, POWER STEERING DIVERTING VALVE
13	9 402 944	UNION, 7/8-14 37 C-Z FLARED TUBE
14	391 998 R11	PIPE ASSY, RETURN TO FLOW DIVIDER
15	296 247 R1	O-RING, 1.171 X .116 -2-
16	9 410 207	CONNECTOR, 1-5/16-12 C-Z FLARED TUBE SWIVEL
17	383 051 R11	TUBE ASSY, RETURN FRONT
18	39 128 H	CLAMP, HOSE -2-
19	380 521 R1	HOSE, 1 X 3 IN.
20	381 778 R11	TUBE ASSY, RETURN
21	381 779 R11	TUBE ASSY, FLOW DIVIDER EXCESS
22	381 785 R1	CONNECTOR, TUBE REDUCING
23	9 410 337	TEE, 1-5/16-12 C-Z FLARED TUBE
24	380 632 R1	CONNECTOR, REDUCING
25	368 269 R1	O-RING, .924 X .116
26	470 583 R1	PLUG, POWER BEYOND
27	470 584 R1	WASHER, BACKUP -2-
28	470 585 R1	O-RING, 1/2 X 11/16 X 3/32 -2-
29	283 401 R1	O-RING, 1 X 1-3/16 X 3/32 -2-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -CONTINUED -FOR 3414 LOADER TRACTOR W/AUXILIARY VALVE	
30	469 783 R21	TUBE ASSY, LOADER VALVE TO AUXILIARY VALVE	
	179 840	SCREW, 3/8-16 X 1-1/8 C-Z HEX-HD CAP -2-	
	103 321	WASHER, 3/8 C-Z LOCK -2-	
31	471 116 R11	TUBE ASSY, AUXILIARY VALVE RETURN	
32	483 142 R11	TUBE ASSY, PRESSURE AUXILIARY TO BACKHOE	
	179 840	SCREW, 3/8-16 X 1-1/8 C-Z HEX-HD CAP -2-	
	103 321	WASHER, 3/8 C-Z LOCK -2-	
33	9 410 206	CONNECTOR, 1-3/16-12 37 DEG C-Z HYD FLARED TUBE SWIVEL	
34	297 459 R1	O-RING, 1.048 X .116	
35	469 782 R3	COVER, CONVERTIBLE END	
	381 784 R1	SCREW, 3/8-16 X 3-3/8 HEX-HD CAP -2-	
	381 783 R1	SCREW, 3/8-16 X 3-7/8 HEX-HD CAP	
36	383 271 R92	VALVE ASSY, CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF VALVES-	
	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32	
	381 884 R1	O-RING, 1 X 1-3/16 X 3/32	
37	381 143 R1	COVER, PRESSURE END	
		SCREW, 3/8-16 X 1 HEX-HD CAP -3-	
	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32	
	381 884 R1	O-RING, 1 X 1-3/16 X 3/32 -2-	
38	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32	
39	378 985 R2	WASHER, BACK-UP	
40	383 219 R1	O-RING, 15/16 X 1-1/8 X 3/32	
41	378 899 R1	PLUG, RELIEF VALVE CHAMBER	
42	383 942 R91	HOSE ASSY, 17 GPM PUMP PRESSURE	
43	381 166 R11	CLAMP ASSY, TUBE	
	138 203	SCREW, 1/4-20 X 1-1/4 HEX-HD CAP -2-	
	120 380	WASHER, 1/4 C-Z MED LOCK -2-	
44	383 941 R91	HOSE ASSY, BACKHOE RETURN	
45	369 758 R1	CLAMP, TUBE -2-	
		NUT, 5/16-18 C-Z HEX.	
		SCREW, 5/16-18 X 1-1/2 C-Z HEX-HD CAP	
	138 538	WASHER, 5/16 C-Z EXTERNAL TOOTH LOCK	
46	9 411 122	TEE, 1-5/16-12 C-Z TUBE ADJUSTABLE	
47	383 122 R1	CLAMP, LOADER VALVE TO AUXILIARY VALVE TUBE	
48	384 291 R1	CLAMP, RETURN TUBE	
		SCREW, 3/8-16 X 1-1/8 HEX-HD CAP	
49	381 166 R1	CLAMP ASSY, TUBE	
50	9 403 373	PLUG, 7/8-14 37 DEG HYD FLARED TUBE	
51	9 410 282	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE 90 DEG SWIVEL	
52	381 773 R11	MOUNTING ASSY, AUXILIARY VALVE	
	179 881	SCREW, 1/2-13 X 1 HEX-HD CAP -4-	
	102 396	WASHER, 17/32 X 1-1/16 X 16 GA C-Z	
53	383 120 R1	BRACKET, TUBE -2-	
	179 824	SCREW, 5/16 X 1-3/4 HEX-HD CAP	
	103 321	WASHER, 5/16 LOCK	
	102 634	NUT, 5/16 HEX.	

3131 BACKHOE -54- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

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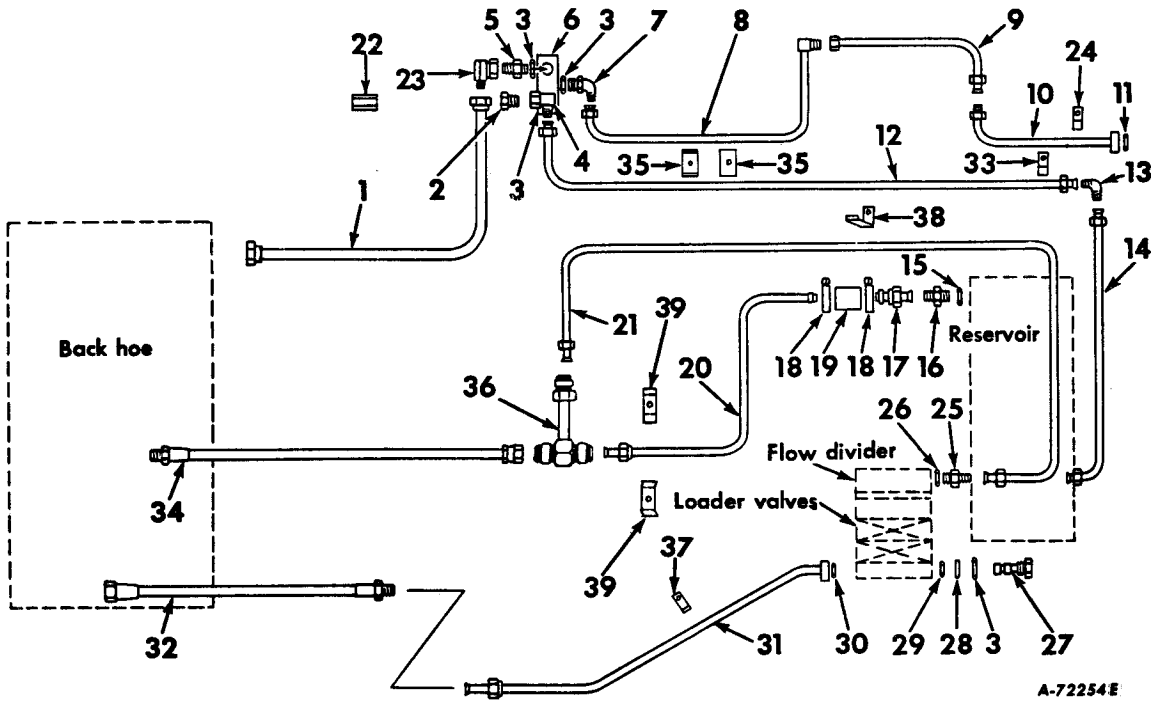
BKH-1

HYDRAULIC CONNECTION -FOR 3414 LOADER TRACTOR W/O HYD LIFT AND AUX VALVE-



REF. NO.	PART NUMBER	DESCRIPTION
1	338 345 R91	HOSE ASSY, 1/2 ID X 26-1/2 HYD PRESSURE
2	9 403 217	UNION, 5/8 TUBE
3	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -4-
4	383 943 R91	ELBOW W/SWIVEL, 90 DEG SIDE OUTLET
5	9 410 204	CONNECTOR, 7/8-14 37 DEG C-Z
6	389 251 R92	VALVE ASSY, DIVERTER -OPTIONAL WITH 383 946 R91-
6	383 946 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVES-
	120 376	NUT, 5/16-18 C-Z HEX. -2-
	180 085	SCREW, 5/16-18 X 1-3/4 C-Z CAP -2-
	120 214	WASHER, 5/16 C-Z MED LOCK -2-
7	9 410 978	ELBOW, 7/8-14 37 DEG C-Z FLARED TUBE
8	483 144 R11	TUBE ASSY, 9 GPM PRESSURE DIVERTER VALVE END
9	383 936 R11	TUBE ASSY, 9 GPM PRESSURE CENTER
10	383 937 R91	TUBE ASSY, 9 GPM PRESSURE PUMP END
	138 203	SCREW, 1/4-20 X 1-1/4 HEX-SOC-HD CAP -4-
		WASHER, 1/4 C-Z LOCK -4-
11	352 221 R1	O-RING, 9/16 X 3/4 X 3/32
12	483 143 R11	TUBE ASSY, POWER STEERING - DIVERTER VALVE
13	9 402 944	UNION, 7/8-14 37 DEG C-Z
14	391 998 R11	PIPE ASSY, RETURN TO FLOW DIVIDER
15	296 247 R1	O-RING, 1 OD TUBE

3131 BACKHOE -55- SECTION E

BKH-1

HYDRAULIC CONNECTION -FOR 3414 LOADER TRACTOR W/O HYD LIFT AND AUX VALVE- -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
16	9 410 207	CONNECTOR, 1-5/16-12 C-Z FLARED TUBE SWIVEL
17	383 051 R11	TUBE ASSY, RETURN FRONT
18	39 128 H	CLAMP, HOSE -2-
19	380 521 R1	HOSE, 1 X 3 IN.
20	381 778 R11	TUBE ASSY, RETURN
21	381 779 R21	TUBE ASSY, FLOW DIVIDER EXCESS
22	9 403 373	PLUG, 7/8-14 37 DEG HYD FLARED TUBE
23	9 410 282	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE 90 DEG SWIVEL
24	381 166 R1	CLAMP, TUBE
	179 801	SCREW, 1/4-20 X 1-1/2 HEX-HD CAP -2-
	109 084	NUT, 1/4-20 HEX. -2-
25	380 632 R1	CONNECTOR, REDUCING
26	368 269 R1	O-RING, .924 X .116
27	470 583 R1	PLUG, POWER BEYOND
28	470 584 R1	WASHER, BACK-UP
29	470 585 R1	O-RING, 1/2 X 11/16 X 3/32
30	382 137 R1	O-RING, 1 X 3/16 X 3/32
31	469 783 R11	TUBE ASSY, LOADER VALVE TO AUXILIARY VALVE
	179 840	SCREW, 3/8-16 X 1-1/8 C-Z HEX-HD CAP -2-
	103 321	WASHER, 3/8 C-Z MED LOCK -2-
32	481 762 R91	HOSE ASSY, 17 GPM PUMP PRESSURE
33	381 166 R11	CLAMP ASSY, TUBE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTION -FOR 3414 LOADER -CONTINUED	
		TRACTOR W/O HYD LIFT AND AUX VALVE-	
34	483 141 R91	HOSE ASSY, BACKHOE RETURN	
35	369 758 R1	CLAMP, TUBE -2-	
		NUT, 5/16-18 C-Z HEX.	
		SCREW, 5/16 X 1-1/2 C-Z HEX-HD CAP	
		WASHER, 5/16 C-Z EXTERNAL TOOTH LOCK	
36	385 125 R91	FITTING, HYD 37 DEG FLARED TUBE	
37	383 122 R1	CLAMP, LOADER VALVE TO AUXILIARY VALVE TUBE	
38	384 291 R1	CLAMP, RETURN TUBE	
		SCREW, 3/8-16 X 1-1/8 HEX-HD CAP	
39	383 120 R1	BRACKET, TUBE -2-	
	179 824	SCREW, 5/16 X 1-3/4 HEX-HD CAP	
	103 321	WASHER, 5/16 LOCK	
	102 634	NUT, 5/16 HEX.	

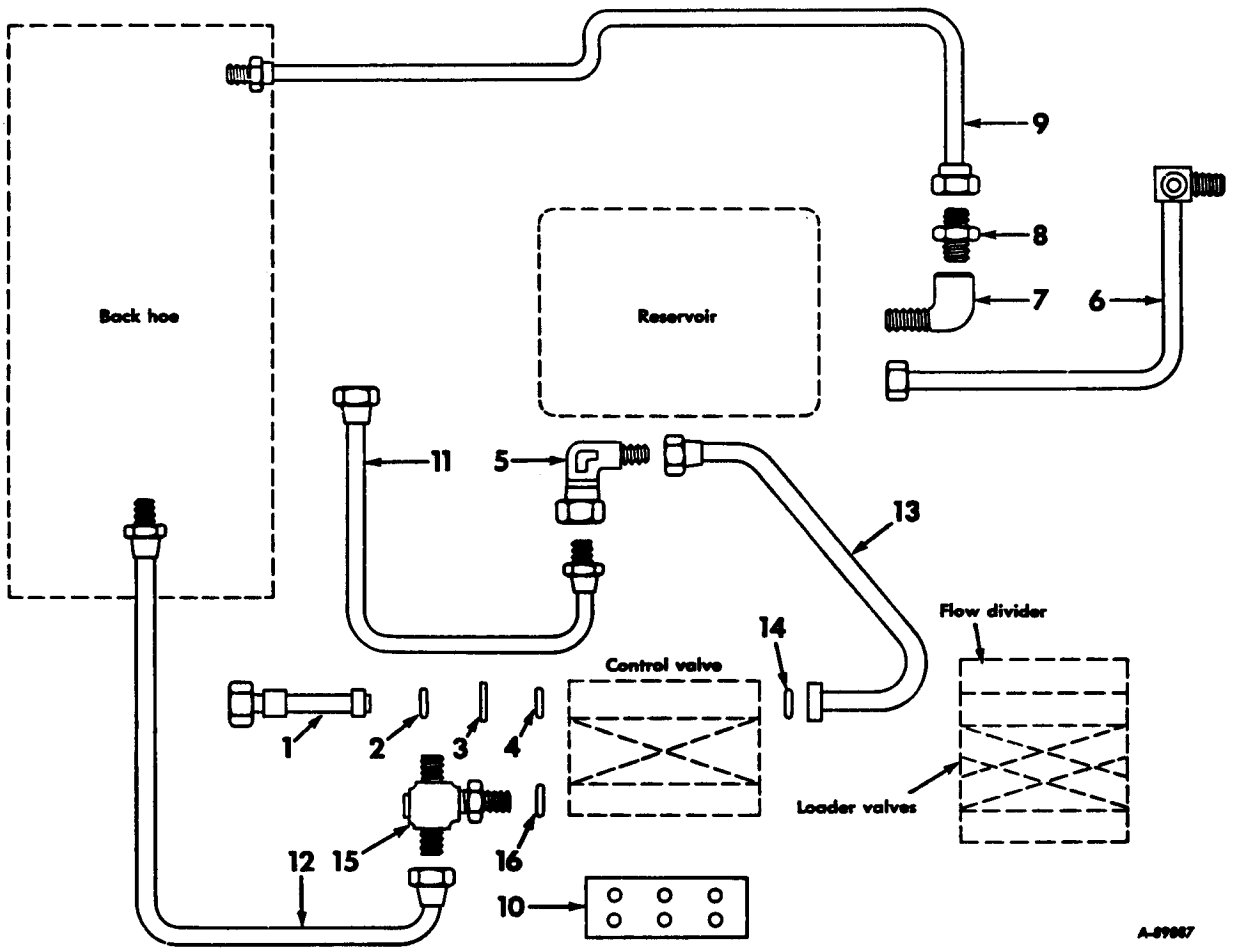
3131 BACKHOE -56- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 12

BKH-1

HYDRAULIC CONNECTIONS
-FOR I 3444 TRACTORS W/ HYDRAULIC LIFT AND W/ AUXILIARY VALVE-



REF. NO.	PART NUMBER	DESCRIPTION
1	470 583 R1	PLUG FOR BLOCKING BY PASS -USED ON VALVE END COVER-
2	364 885 R1	O-RING, 5/8 OD TUBE
3	470 584 R1	WASHER, BACK-UP
4	470 585 R1	O-RING, 1/2 X 11/16 X 3/32
5	9 410 284	ELBOW, 1-3/16-12 37 DEG FLARED TUBE 90 DEG SWIVEL
6	399 584 R1	TUBE ASSY, RETURN FROM LOADER
7	444 375	ELBOW, 1/2-14 90 DEG STEEL AUTOMOTIVE PIPE STREET
8	9 402 710	CONNECTOR, 5/8 TO 1/2 PIPE REDUCING
9	485 315 R1	HOSE ASSY, HYD
10	393 824 R1	PLATE, RH LOWER FENDER BRACKET
	180 175	SCREW, 1/2-13 X 1-1/4 C-Z HEX-HD CAP -8-
11	383 942 R91	HOSE ASSY, 17 GPM PUMP PRESSURE
12	383 941 R91	HOSE ASSY, BACKHOE RETURN
13	483 142 R11	TUBE ASSY, PRESSURE AUXILIARY TO BACKHOE
	179 840	SCREW, 3/8-16 X 1-1/8 HEX-HD CAP -2-
	103 321	WASHER, 3/8 MED LOCK -2-
14	382 137 R1	O-RING, 1 X 1-3/16 X 3/32
15	9 411 122	TEE, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ STR THD
16	296 247 R1	O-RING, 1 IN. OD TUBE

3131 BACKHOE -57- SECTION E
BKH-1
HYDRAULIC CONNECTIONS -CONTINUED
-FOR I 3444 TRACTORS W/ HYDRAULIC LIFT AND W/ AUXILIARY VALVE-

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

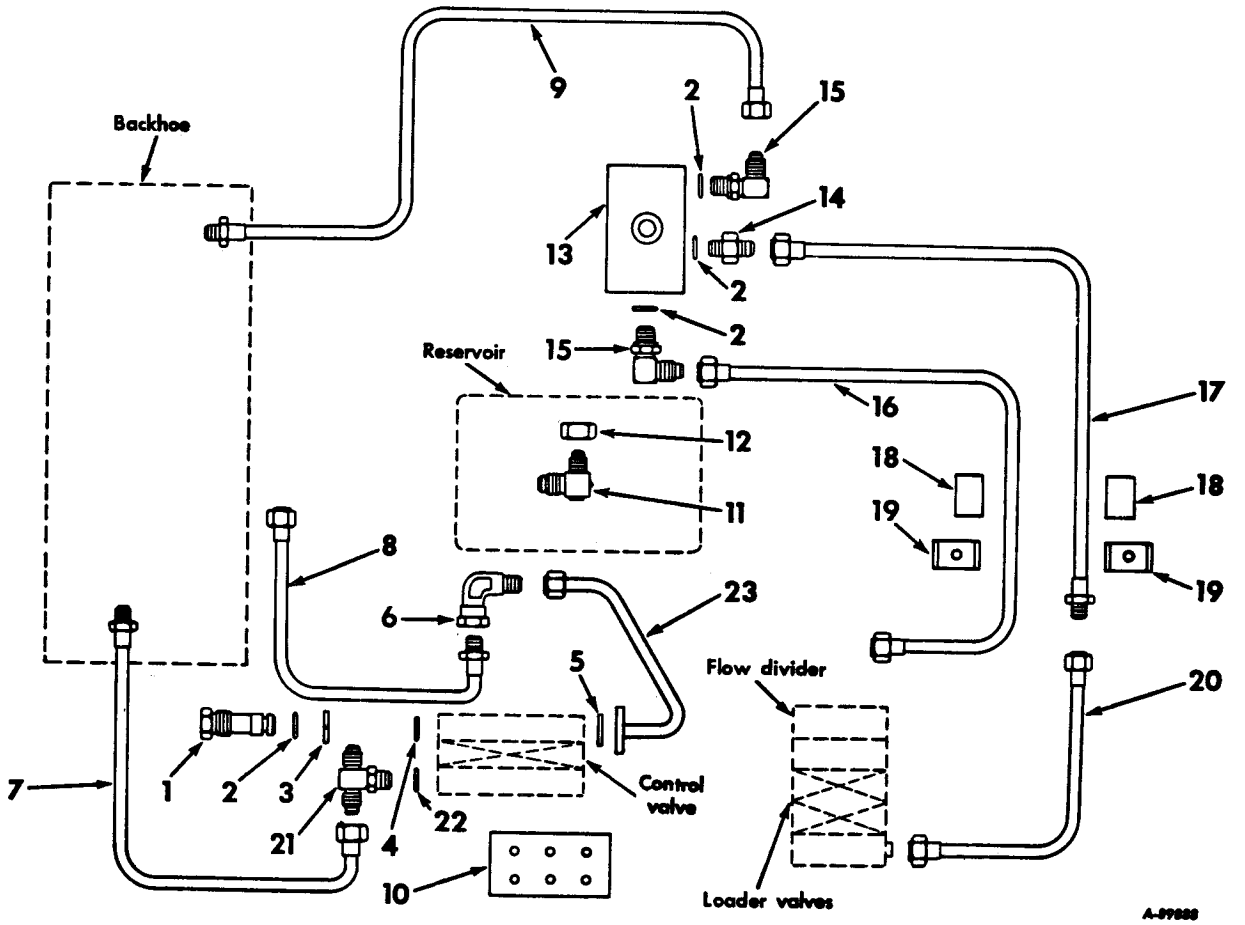
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS
-FOR I 3444 TRACTORS W/O HYDRAULIC LIFT AND W/ AUXILIARY VALVE-

3131 BACKHOE -58- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS -CONTINUED
-FOR I 3444 TRACTORS W/O HYDRAULIC LIFT AND W/ AUXILIARY VALVE-



1	470 583 R1	PLUG FOR BLOCKING BY PASS -USED ON VALVE END COVER-	
2	364 885 R1	O-RING, 5/8 OD TUBE -4-	
3	470 584 R1	WASHER, BACK-UP	
4	470 585 R1	O-RING, 1/2 X 11/16 X 3/32	
5	382 137 R1	O-RING, 1 X 1-3/16 X 3/32	
6	9 410 284	ELBOW, 1-3/16-12 37 DEG FLARED TUBE 90 DEG SWIVEL	
7	483 141 R91	HOSE ASSY, HYD RETURN	
8	481 762 R91	HOSE ASSY, HYD 17 GPM PRESSURE	
9	485 315 R1	HOSE ASSY, HYD	
10	393 824 R1	PLATE, RH LOWER FENDER BRACKET	
	180 175	SCREW, 1/2-13 X 1-1/4 C-Z HEX-HD CAP -8-	
11	399 575 R1	TEE, 7/8-14 & 1-5/16-12 MALE & FEMALE	
12	9 403 373	CAP, 7/8-14 37 DEG FLARED FEMALE	
13	383 946 R91	VALVE ASSY, DIVERTER -OPTIONAL W/389 251 R92-	
13	389 251 R92	VALVE ASSY, DIVERTER -OPTIONAL W/383 946 R91- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVE-	
	180 085	SCREW, 5/16-18 X 1-3/4 C-Z HEX-HD CAP -2-	
	120 214	WASHER, 5/16 C-Z MED LOCK -2-	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
14	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED SHORT TUBE SWIVEL	
15	9 410 978	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE 90 DEG -2-	
16	399 588 R1	TUBE ASSY, FROM PUMP PRESSURE TUBE TO DIVERTER VALVE	
17	399 590 R1	TUBE ASSY, DIVERTER VALVE TO FLOW DIVIDER TUBE	
18	394 418 R1	BUSHING, RUBBER COVER -2-	

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -CONTINUED -FOR I 3444 TRACTORS W/O HYDRAULIC LIFT AND W/ AUXILIARY VALVE-	
19	391 478 R2	CLAMP, HYD MANIFOLD PIPE -2-	
	17 470 R1	BOLT, 5/16 X 1-1/2 HEX-HD MACH	
	103 320	WASHER, 5/16 MED LOCK	
	120 634	NUT, 5/16-18 HEX.	
20	399 573 R1	TUBE ASSY, FLOW DIVIDER TO DIVERTER VALVE	
21	9 411 122	TEE, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ STR THD	
22	296 247 R1	O-RING, 1 IN. OD TUBE	
23	483 142 R11	TUBE ASSY, PRESSURE AUXILIARY TO BACKHOE	
	179 840	SCREW, 3/8-16 X 1-1/8 HEX-HD CAP -2-	
	103 321	WASHER, 3/8 MED LOCK -2-	

3131 BACKHOE -59- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

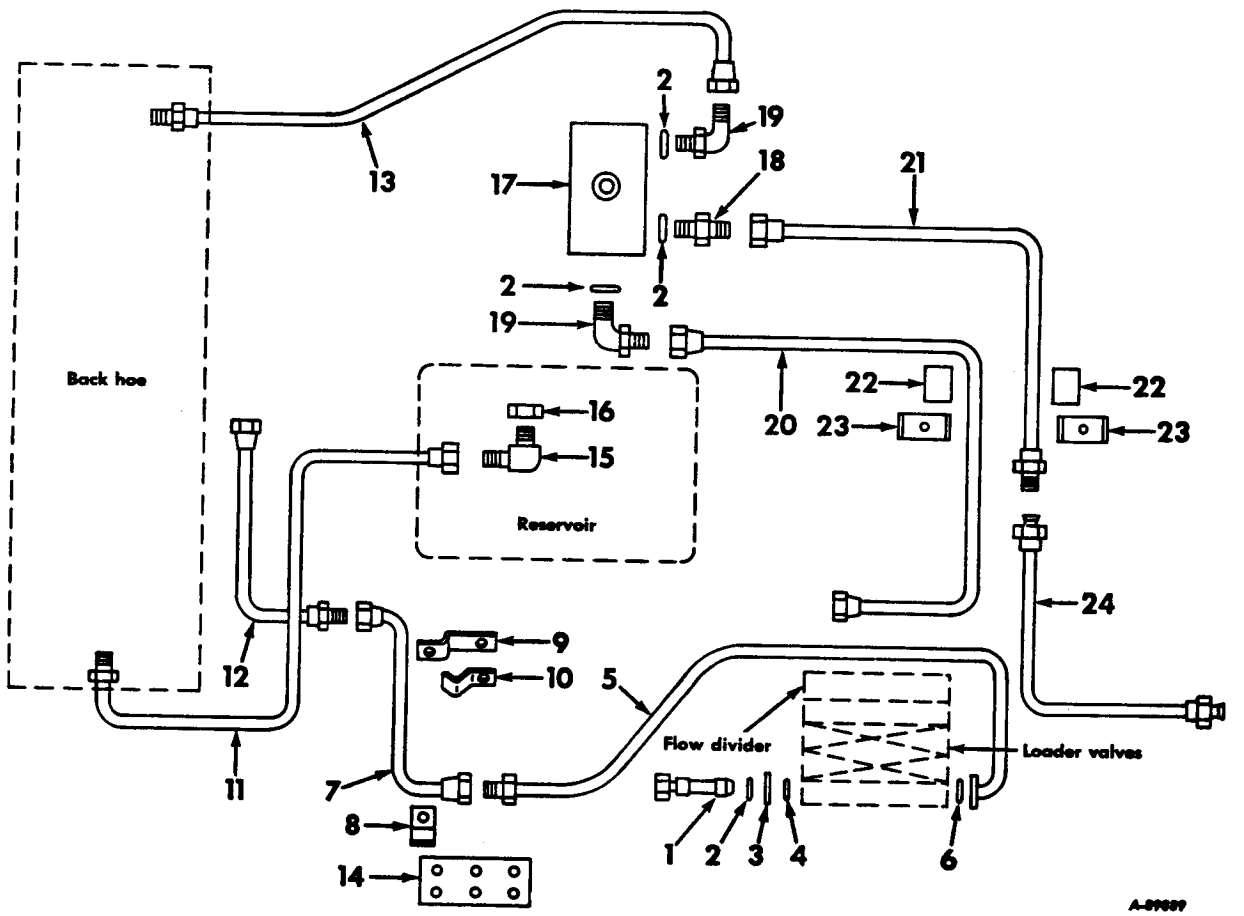
PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

3131 BACKHOE -60- SECTION E

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

HYDRAULIC CONNECTIONS
-FOR I 3444 TRACTORS W/O HYDRAULIC LIFT AND W/O AUXILIARY VALVE-

HYDRAULIC CONNECTIONS -CONTINUED
-FOR I 3444 TRACTORS W/O HYDRAULIC LIFT AND W/O AUXILIARY VALVE-



1	470 583 R1	PLUG FOR BLOCKING BY PASS -USED ON VALVE END COVER-
2	364 885 R1	O-RING, 5/8 OD TUBE -4-
3	470 584 R1	WASHER, BACK-UP
4	470 585 R1	O-RING, 1/2 X 11/16 X 3/32
5	399 582 R1	TUBE ASSY, POWER BEYOND FROM LOADER VALVE
	179 840	SCREW, 3/8-16 X 1-1/8 HEX-HD CAP -2-
	103 321	WASHER, 3/8 MED LOCK -2-
6	382 137 R1	RING, O 1 X 1-3/16 X 3/16
7	399 586 R1	TUBE ASSY, POWER BEYOND
	570 812 R1	WASHER, 15/32 X 3 X 16 GA
8	399 580 R1	SUPPORT, POWER BEYOND TUBE
	17 426 R1	BOLT, 3/8 X 1 HEX-HD MACH
	103 321	WASHER, 3/8 MED LOCK
	102 635	NUT, 3/8-16 HEX.
9	399 581 R1	BRACKET, POWER BEYOND TUBE
10	399 576 R1	CLAMP, POWER BEYOND TUBE
	20 750 R1	BOLT, 3/8 X 7/8 HEX-HD MACH
	103 321	WASHER, 3/8 MED LOCK
11	483 141 R91	HOSE ASSY, HYD RETURN
12	481 762 R91	HOSE ASSY, HYD 17 GPM PRESSURE
13	485 315 R1	HOSE ASSY, HYD
14	393 824 R1	PLATE, RH LOWER FENDER BRACKET
	180 175	SCREW, 1/2-13 X 1-1/4 C-Z HEX-HD CAP -8-
15	399 575 R1	TEE, 7/8-14 & 1-5/16-12 MALE & FEMALE
16	9 403 373	CAP, 7/8-14 37 DEG FLARED FEMALE
17	383 946 R91	VALVE ASSY, DIVERTER -OPTIONAL W/389 251 R92-
17	389 251 R92	VALVE ASSY, DIVERTER -OPTIONAL W/383 946 R91- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVE-
	180 085	SCREW, 5/16-18 X 1-3/4 C-Z HEX-HD CAP -2-
	120 214	WASHER, 5/16 C-Z MED LOCK -2-
	120 376	NUT, 5/16-18 C-Z HEX. -2-
18	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED

PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -CONTINUED -FOR I 3444 TRACTORS W/O HYDRAULIC LIFT AND W/O AUXILIARY VALVE-	
19	9 410 978	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE SHORT TUBE SWIVEL 90 DEG -2-	
20	399 588 R1	TUBE ASSY, FROM PUMP PRESSURE TUBE TO DIVERTER VALVE	
21	399 590 R1	TUBE ASSY, DIVERTER VALVE TO FLOW DIVIDER TUBE	
22	394 418 R1	BUSHING, RUBBER COVER -2-	
23	391 478 R2	CLAMP, HYD MANIFOLD PIPE -2-	
	17 470 R1	BOLT, 5/16 X 1-1/2 HEX-HD MACH	
	103 320	WASHER, 5/16 MED LOCK	
	120 634	NUT, 5/16-18 HEX.	
24	399 573 R1	TUBE ASSY, FLOW DIVIDER TO DIVERTER VALVE	

3131 BACKHOE -61- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

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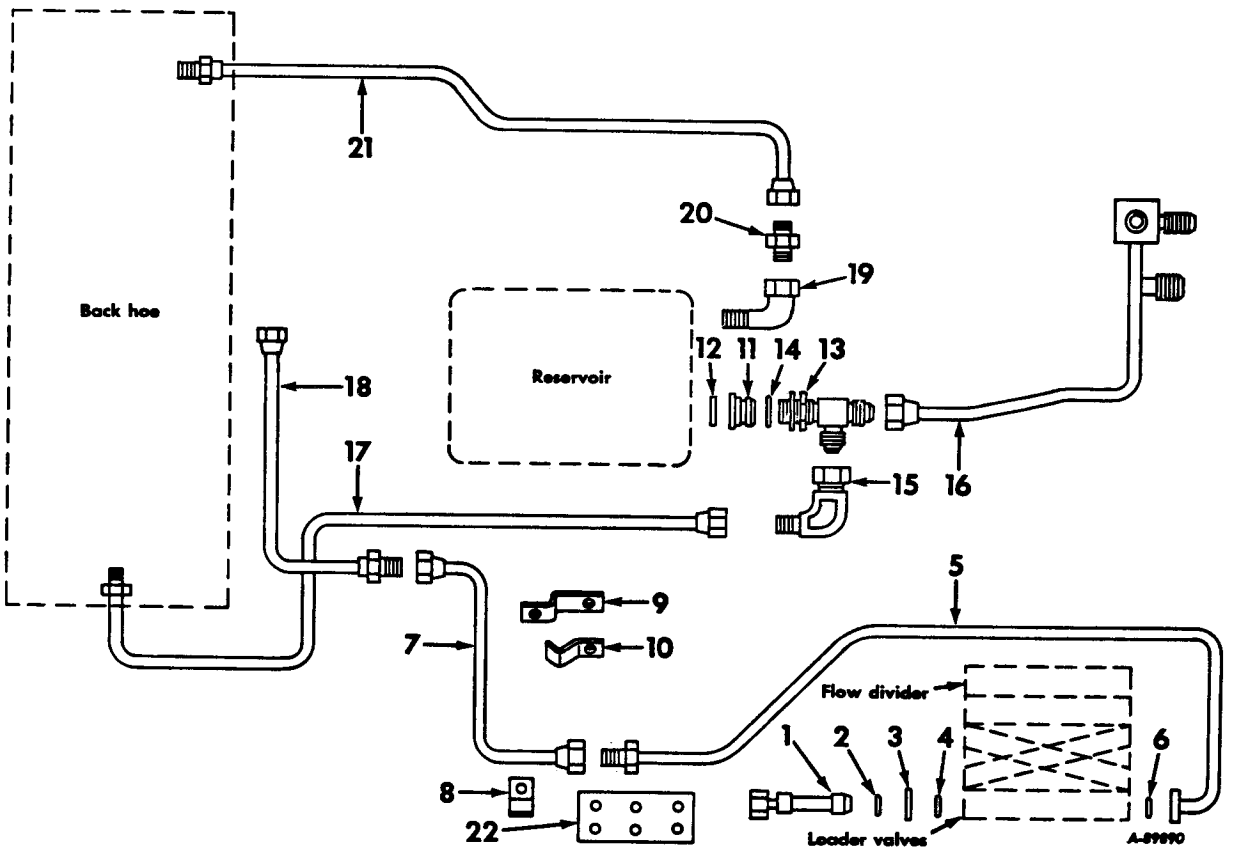
REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

HYDRAULIC CONNECTIONS
-FOR I 3444 TRACTORS W/ HYDRAULIC LIFT AND W/O AUXILIARY VALVE-

3131 BACKHOE -62- SECTION E

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

HYDRAULIC CONNECTIONS -CONTINUED
-FOR I 3444 TRACTORS W/ HYDRAULIC LIFT AND W/O AUXILIARY VALVE-



REF. NO.	PART NUMBER	DESCRIPTION
1	470 583 R1	PLUG FOR BLOCKING BY PASS -USED ON VALVE END COVER-
2	364 885 R1	O-RING, 5/8 OD TUBE
3	470 584 R1	WASHER, BACK-UP
4	470 585 R1	O-RING, 1/2 X 11/16 X 3/32
5	399 582 R1	TUBE ASSY, POWER BEYOND FROM LOADER VALVE
	179 840	SCREW, 3/8-16 X 1-1/8 HEX-HD CAP -2-
	103 321	WASHER, 3/8 MED LOCK -2-
6	382 137 R1	O-RING, 1 X 1-3/16 X 3/16
7	399 586 R1	TUBE ASSY, POWER BEYOND
8	399 580 R1	SUPPORT, POWER BEYOND TUBE
	17 426 R1	BOLT, 3/8 X 1 HEX-HD MACH
	103 321	WASHER, 3/8 MED LOCK
	102 635	NUT, 3/8-16 HEX.
9	399 581 R1	BRACKET, POWER BEYOND TUBE
10	399 576 R1	CLAMP, POWER BEYOND TUBE
	20 750 R1	BOLT, 3/8 X 7/8 HEX-HD MACH
	103 321	WASHER, 3/8 MED LOCK
	102 635	NUT, 3/8-16 HEX.
11	381 777 R1	PLUG, HITCH RETURN
12	382 781 R1	O-RING, 1-3/4 X 1-15/16 X 3/32
13	399 579 R2	TEE, PRESSURE RETURN
14	296 247 R1	O-RING, 1 OD TUBE
15	9 410 285	ELBOW, 1-5/16-12 37 DEG FLARED TUBE 90 DEG SWIVEL
16	399 584 R1	TUBE ASSY, RETURN FROM LOADER
17	483 141 R91	HOSE ASSY, HYD RETURN
18	481 762 R91	HOSE ASSY, HYD 17 GPM PRESSURE
19	444 375	ELBOW, 1/2-14 90 DEG STEEL AUTOMOTIVE PIPE STREET
20	9 402 710	CONNECTOR, 5/8 TO 1/2 PIPE REDUCING
21	485 315 R1	HOSE ASSY, HYD
22	393 824 R1	PLATE, RH LOWER FENDER BRACKET
	180 175	SCREW, 1/2-13 X 1-1/4 C-Z HEX-HD CAP -10-
	120 378	NUT, 1/2-13 C-Z HEX. -2-

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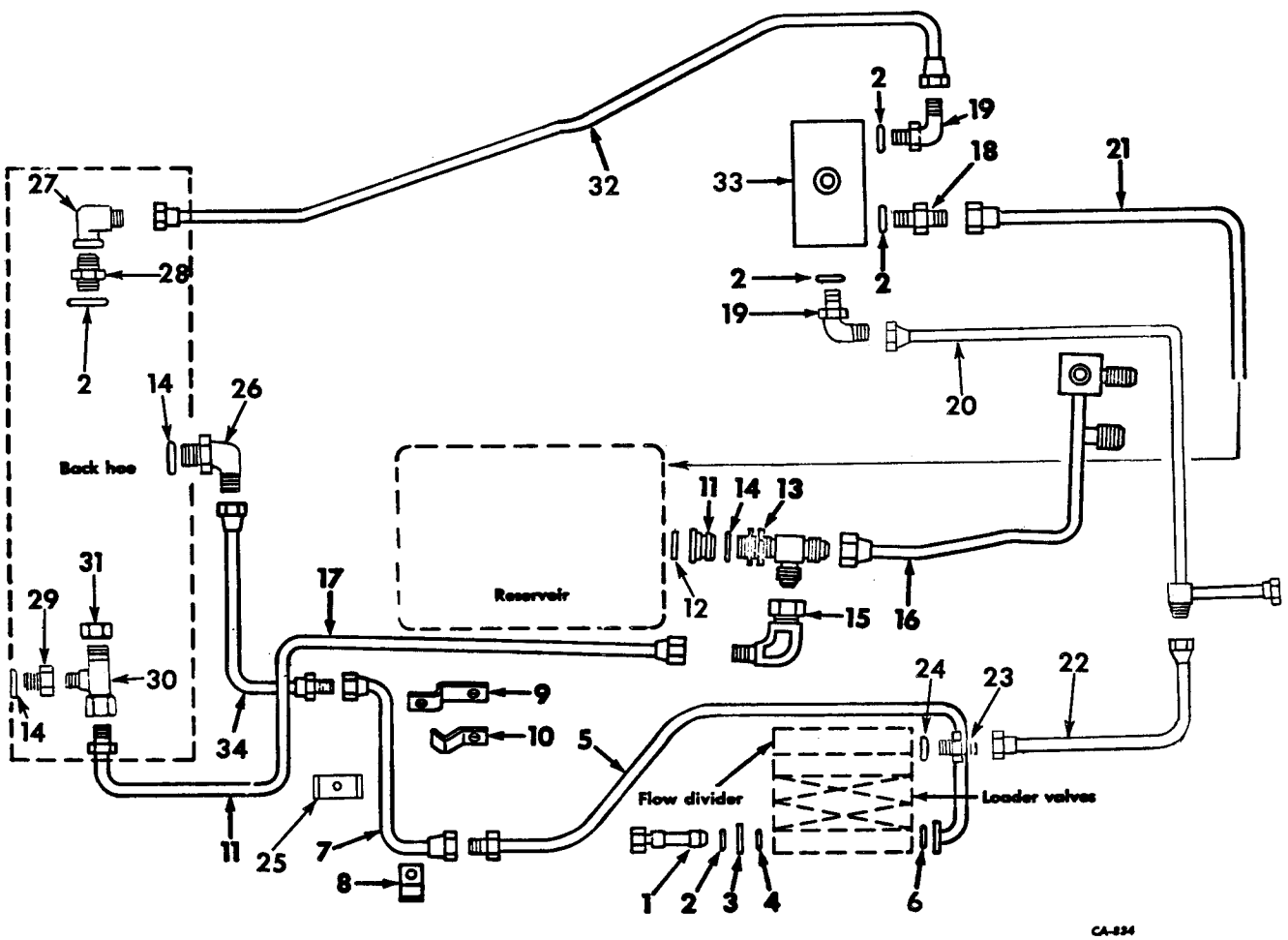
3131 BACKHOE -63- SECTION E

HYDRAULIC CONNECTIONS
-FOR I 3444 TRACTORS W/ HYDRAULIC LIFT, DIVERTER VALVE AND W/O AUXILIARY VALVE-

HYDRAULIC CONNECTIONS -CONTINUED
-FOR I 3444 TRACTORS W/ HYDRAULIC LIFT, DIVERTER VALVE AND W/O AUXILIARY VALVE-



REF. NO.	PART NUMBER	DESCRIPTION
1	470 583 R1	PLUG FOR BLOCKING BY PASS -USED ON VALVE END COVER-
2	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -5-
3	470 584 R1	WASHER, BACK-UP
4	470 585 R1	O-RING, 1/2 X 11/16 X 3/32
5	399 582 R1	TUBE ASSY, POWER BEYOND FROM LOADER VALVE
	179 840	SCREW, 3/8-16 X 1-1/8 HEX-HD CAP -2-
	103 321	WASHER, 3/8 MED LOCK -2-
6	382 137 R1	O-RING, 1 X 1-3/16 X 3/16
7	399 586 R1	TUBE ASSY, POWER BEYOND
8	468 256 R1	CLAMP, PRESSURE TUBE
	570 812 R1	WASHER, 15/32 X 3 X 16 GA
9	399 581 R1	BRACKET, POWER BEYOND TUBE
10	399 576 R1	CLAMP, POWER BEYOND TUBE
	102 635	NUT, 3/8-16 HEX.
	180 121	SCREW, 3/8-16 X 7/8 ZND HEX-HD CAP
	103 321	WASHER, 3/8 MED LOCK
11	381 777 R1	PLUG, HITCH RETURN
12	382 781 R1	O-RING, 1-3/4 X 1-15/16 X 3/32
13	399 579 R2	TEE, PRESSURE RETURN
14	296 247 R1	O-RING, 1-11/16 X 1-13/32 X 7/64 -3-
15	9 410 285	ELBOW, 1-5/16-12 37 DEG FLARED TUBE 90 DEG SWIVEL
16	399 584 R1	TUBE ASSY, RETURN FROM LOADER
17	483 141 R91	HOSE ASSY, HYD RETURN
18	481 352 R1	CONNECTOR, 7/8-14 STR THD TO 37 DEG 3/4-14 HYD FLARED TUBE REDUCING
19	9 410 978	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE 90 DEG -2-
20	403 304 R1	TUBE ASSY, FROM PUMP PRESSURE TUBE TO DIVERTER VALVE
21	403 306 R1	TUBE ASSY, DIVERTER VALVE TO HITCH
22	403 305 R1	TUBE ASSY, FLOW DIVIDER EXCESS
23	573 206 R1	CONNECTOR, PRESSURE TUBE

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -CONTINUED -FOR I 3444 TRACTORS W/ HYDRAULIC LIFT, DIVERTER VALVE AND W/O AUXILIARY VALVE-	
24	368 269 R1	O-RING, 59/64 X 1-1/16 X 7/64	
25	470 976 R1	CLAMP, TUBE	
	102 634	NUT, 5/16-18 HEX.	
	179 822	SCREW, 5/16-18 X 1-1/2 HEX-HD CAP	
	103 320	WASHER, 5/16 MED LOCK	
26	9 410 981	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG	
27	9 410 282	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE 90 DEG SWIVEL	
28	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED SHORT TUBE SWIVEL	
29	481 766 R1	ADAPTER, 1-5/16-12 37 DEG HYD FLARED	
30	9 410 337	TEE, 1-5/16-12 C-Z 37 DEG FLARED TUBE 90 DEG SWIVEL	
31	9 403 373	CAP, 7/8-14 37 DEG FLARED FEMALE	
32	485 315 R1	HOSE ASSY, HYDRAULIC	
33	389 251 R92	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVE-	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
	180 085	SCREW, 5/16-18 X 1-3/4 C-Z HEX-HD CAP -2-	
	120 214	WASHER, 5/16 C-Z MED LOCK -2-	
34	481 762 R91	HOSE ASSY, HYD 17 GPM PRESSURE	

3131 BACKHOE -64- SECTION E

REF. NO. PART NUMBER DESCRIPTION BKH-1

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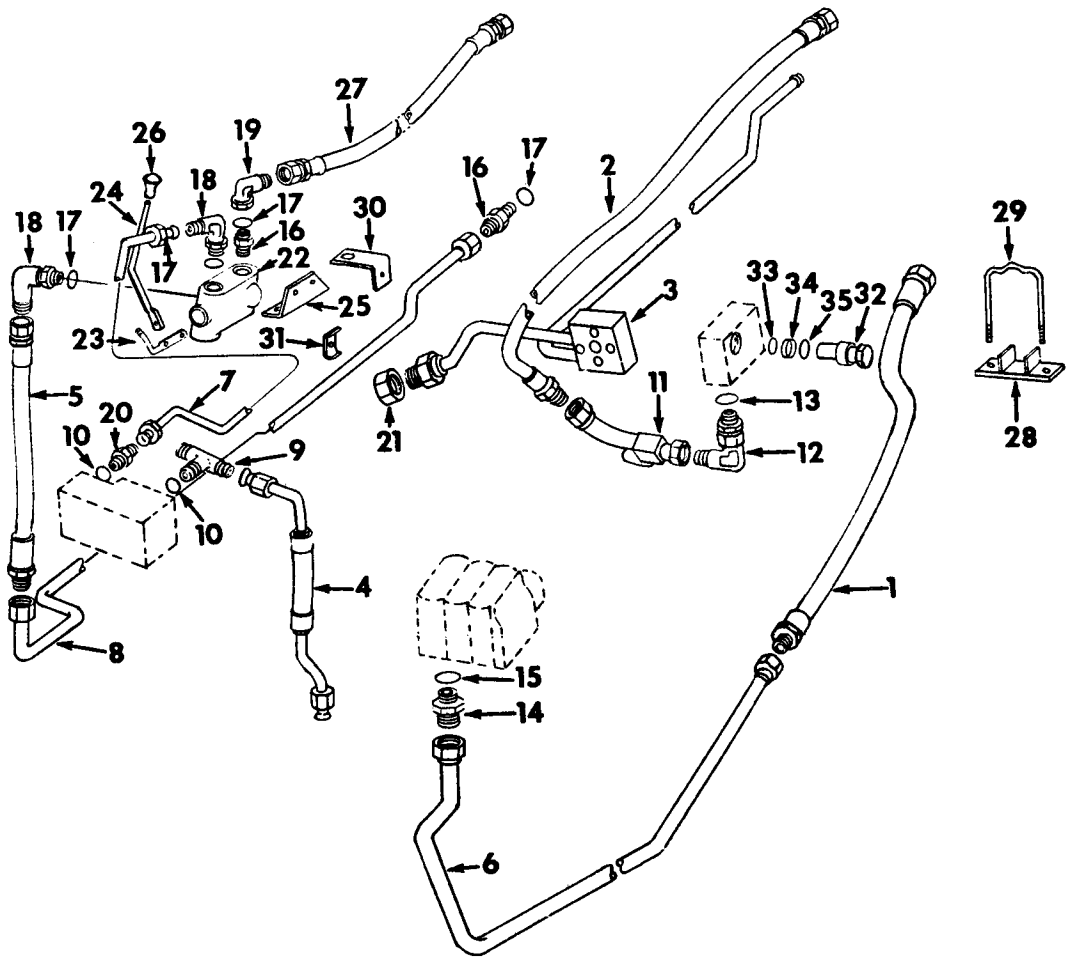
HYDRAULIC TUBING FOR MOUNTING BACKHOE ON 2544 TRACTORS WITH GEAR DRIVE- BKH-1

3131 BACKHOE -65- SECTION E

HYDRAULIC TUBING FOR MOUNTING BACKHOE -CONTINUED ON 2544 TRACTORS WITH GEAR DRIVE- BKH-1



CA-910

REF. NO.	PART NUMBER	DESCRIPTION
1	394 710 R91	HOSE ASSY, 3/4 X 44 IN. LONG
2	470 246 R91	HOSE ASSY, 1 IN. X 33 IN. LONG
3	491 789 R1	MANIFOLD ASSY, DRAFT CONTROL POWER SUPPLY
4	491 801 R1	HOSE ASSY, PUMP TO FLOW DIVIDER
5	491 802 R1	HOSE ASSY, PRESSURE TUBE TO DIVERTER VALVE
6	491 803 R1	TUBE ASSY, LOADER VALVE TO BACKHOE
7	491 804 R1	TUBE ASSY, DIVERTER VALVE TO FLOW DIVIDER
8	491 805 R1	TUBE ASSY, PUMP TO DIVERTER VALVE
9	9 411 120	TEE, 1-1/16-12 37 DEG HYD FLARED TUBE ADJ STR THD
10	368 269 R1	O-RING, 3/4 OD TUBE -2-
11	479 358 R91	TEE ASSY, DUMP LINE
12	9 410 981	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG
13	296 247 R1	O-RING, 1 IN. OD TUBE
14	9 410 206	UNION, 1-3/16-12 37 DEG HYD FLARED TUBE SHORT SWIVEL

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC TUBING FOR MOUNTING BACKHOE -CONTINUED ON 2544 TRACTORS WITH GEAR DRIVE-	
15	297 459 R1	O-RING, 7/8 OD TUBE	
16	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL -2-	
17	364 885 R1	O-RING, 5/8 OD TUBE -5-	
18	9 410 978	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG -2-	
19	9 410 282	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL	
20	573 206 R1	CONNECTOR, 7/8-14 TO 1-1/16-12 HYD	
21	9 403 373	CAP, 7/8-14 37 DEG HYD FLARED TUBE	
	470 583 R1	PLUG, POWER BEYOND	
22	478 887 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVE-	
	180 086	SCREW, 5/16-18 X 1-7/8 ZND HEX-HD CAP -2-	
	120 214	WASHER, 5/16 C-Z MED LOCK -2-	
	120 376	NUT, 5/1L-18 C-Z HEX. -2-	
23	478 886 R1	SUPPORT, DIVERTER VALVE LEVER	
24	478 885 R3	LEVER, DIVERTER VALVE	
	669 546 R1	PIN, LEVER	
	19 754 R1	PIN, 5/64 X 7/16 COT.	
25	474 478 R1	BASE, DIVERTER VALVE	
	587 372 R91	LINK, CHAIN ASSY	
26	53 717 DA	KNOB, DIVIDER VALVE LEVER	
27	338 345 R91	HOSE ASSY, PRESSURE	
28	492 011 R1	CLAMP ASSY, TUBE BLOCK	
29	492 014 R1	CLAMP, TUBE	
	120 382	WASHER, 3/8 ZNC MED LOCK -2-	
	120 377	NUT, 3/8-16 ZNC HEX. -2-	
30	493 697 R1	BRACKET, PUMP TO DIVERTER VALVE	
	271 763	SCREW, 3/4-10 X 1 ZND HEX-HD CAP	
31	381 426 R1	CLAMP, PRESSURE LINE	
	180 033	SCREW, 1/4-20 X 1-3/8 ZND HEX-HD CAP	
	120 380	WASHER, 1/4 C-Z MED LOCK	
	120 375	NUT, 1/4-20 C-Z HEX.	
32	388 208 R93	VALVE ASSY, PILOT OPERATED RELIEF -TRACTORS W/2000 LOADER- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF PILOT RELIEF VALVE-	
33	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32	
34	378 985 R2	WASHER, BACK-UP	
35	383 219 R1	O-RING, 15/16 X 1-1/8 X 3/32	

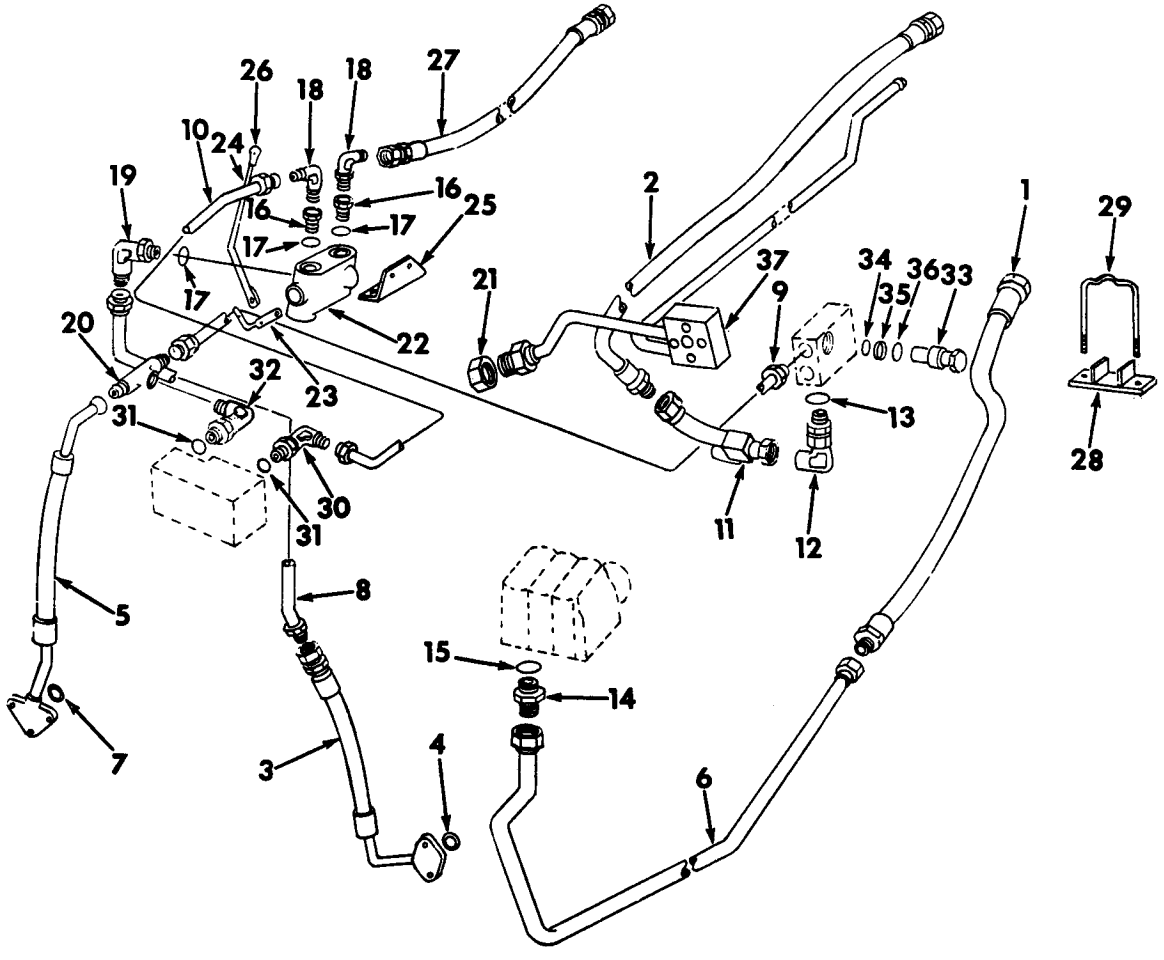
3131 BACKHOE -66- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC TUBING FOR MOUNTING BACKHOE ON 2544 TRACTOR W/HYDROSTATIC DRIVE-



CA-929

1	394 710 R91	HOSE ASSY, 3/4 X 44 IN. LONG	8	541 330 R1	TUBE ASSY, DIVERTER VALVE TO SMALL PUMP
2	470 246 R91	HOSE ASSY, 1 IN. X 33 IN. LONG	9	540 331 R1	TUBE ASSY, FLOW DIVIDER TO AUX. VALVE
3	541 328 R1	HOSE ASSY, SMALL PUMP TO DIVERTER VALVE TUBE	10	541 334 R1	TUBE ASSY, FLOW DIVIDER TO DIVERTER VALVE
4	352 221 R1	O-RING, 9/16 X 3/4 X 3/32	11	479 358 R91	TEE ASSY, DUMP LINE
5	541 329 R1	HOSE ASSY, LARGE PUMP TO FLOW DIVIDER TEE	12	9 410 981	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG
6	491 803 R1	TUBE ASSY, LOADER VALVE TO BACKHOE	13	296 247 R1	O-RING, 1 IN. OD TUBE
7	369 908 R1	O-RING	14	9 410 206	UNION, 1-3/16-12 37 DEG HYD FLARED TUBE SHORT SWIVEL

3131 BACKHOE -67- SECTION E

REF. NO. PART NUMBER DESCRIPTION BKH-1

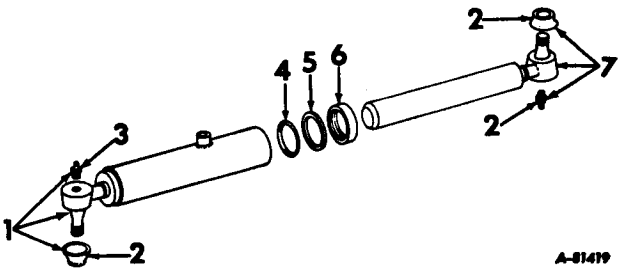
HYDRAULIC TUBING FOR MOUNTING BACKHOE -CONTINUED ON 2544 TRACTOR W/HYDROSTATIC DRIVE-

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC TUBING FOR MOUNTING BACKHOE -CONTINUED ON 2544 TRACTOR W/HYDROSTATIC DRIVE-	
15	297 459 R1	O-RING, 7/8 OD TUBE	
16	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL -2-	
17	364 885 R1	O-RING, 5/8 OD TUBE -5-	
18	9 410 978	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG -2-	
19	9 410 282	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL	
20	541 332 R1	TEE ASSY, FLOW DIVIDER	
21	9 403 373	CAP, 7/8-14 37 DEG HYD FLARED TUBE	
	470 583 R1	PLUG, POWER BEYOND	
22	478 887 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVE-	
	180 086	SCREW, 5/16-18 X 1-7/8 ZND HEX-HD CAP -2-	
	120 214	WASHER, 5/16 C-Z MED LOCK -2-	
	120 376	NUT, 5/1L-18 C-Z HEX. -2-	
23	478 886 R1	SUPPORT, DIVERTER VALVE LEVER	
24	478 885 R3	LEVER, DIVERTER VALVE	
	669 546 R1	PIN, LEVER	
	19 754 R1	PIN, 5/64 X 7/16 COT.	
25	474 478 R1	BASE, DIVERTER VALVE	
	587 372 R91	LINK, CHAIN ASSY	
26	53 717 DA	KNOB, DIVIDER VALVE LEVER	
27	338 345 R91	HOSE ASSY, PRESSURE	
28	492 011 R1	CLAMP ASSY, TUBE BLOCK	
29	492 014 R1	CLAMP, TUBE	
	120 382	WASHER, 3/8 ZNC MED LOCK -2-	
	120 377	NUT, 3/8-16 ZNC HEX. -2-	
30	633 460 R91	ELBOW, ADJ HYD 37 DEG FLARED STR-THD	
31	368 269 R1	O-RING, 3/4 OD TUBE -2-	
32	9 410 979	ELBOW, 1-1/16-12 37 DEG FLARED TUBE ADJ STR-THD 90 DEG	
33	388 208 R93	VALVE ASSY, PILOT OPERATED RELIEF -TRACTORS W/2000 LOADER- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF PILOT RELIEF VALVE-	
34	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32	
35	378 985 R2	WASHER, BACK-UP	
36	383 219 R1	O-RING, 15/16 X 1-1/8 X 3/32	
37	541 335 R1	MANIFOLD ASSY, HYD SAFETY RETURN	

3131 BACKHOE -68- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		POWER STEERING CYLINDER	



	389 389 R91	CYLINDER ASSY, POWER STEERING	
1	389 384 R91	BODY ASSY, CYLINDER	
2	381 060 R1	COVER, DUST -2-	
3	109 454	FITTING, 1/4-28 TAPER THREAD LUB -2-	
4	387 363 R1	O-RING, 1-3/4 X 2-1/8 X 3/16	
5	387 362 R1	WASHER, BACK-UP	
6	389 390 R1	WIPER, PISTON ROD	
7	389 387 R91	ROD ASSY, PISTON	

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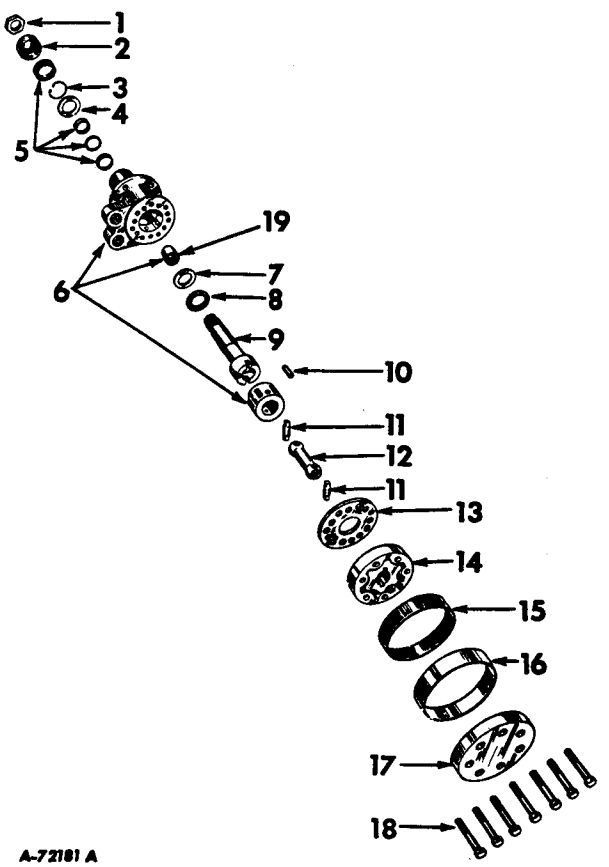
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRASTATIC POWER STEERING HAND PUMP	



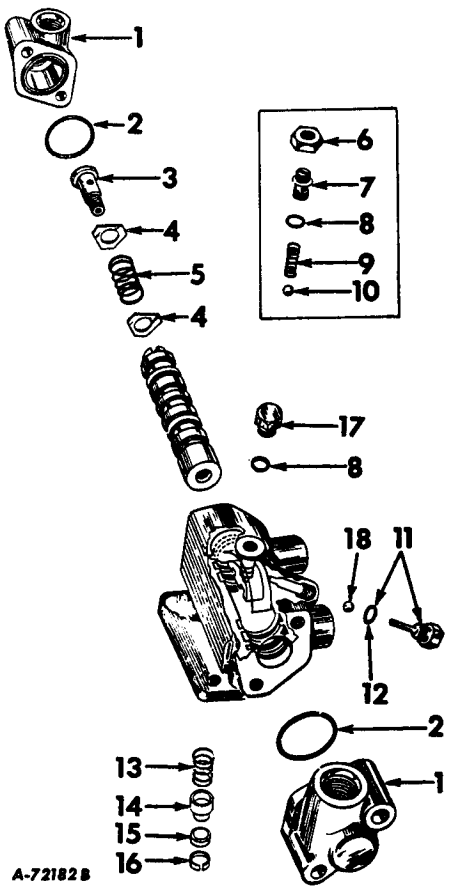
	389 397 R91	PUMP ASSY, POWER STEERING HAND	
1	368 576 R1	NUT, STEERING WHEEL	
2	226 032 R1	SEAL, DUST -NOT INCLUDED IN PUMP ASSY-	
3	383 878 R1	RING, RETAINING	
4	379 786 R1	WASHER, PUMP SHAFT	
5	379 782 R92	PACKAGE, HAND PUMP SERVICE	
6	379 694 R91	PUMP BODY & BEARING ASSY	
7	379 785 R1	RACE, NEEDLE THRUST	
8	379 783 R91	BEARING, NEEDLE THRUST	
9	379 784 R1	SHAFT, COUPLING	
10	379 700 R1	PIN, PUMP SPOOL	
11	379 693 R1	PIN, PUMP LINK -2-	
12	379 701 R1	LINK, PUMP	
13	396 545 R1	SPACER, PUMP	
14	389 400 R1	ROTOR SET	
15	389 398 R1	SEAL, ROTOR	

3131 BACKHOE -69- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRASTATIC POWER STEERING HAND PUMP -CONTINUED	
16	389 399 R1	RETAINER, SEAL	
17	389 401 R1	COVER, END	
18	379 699 R1	SCREW, END COVER -7-	
19	10 026 R	BEARING, NEEDLE	

PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	POWER STEERING PILOT VALVE		

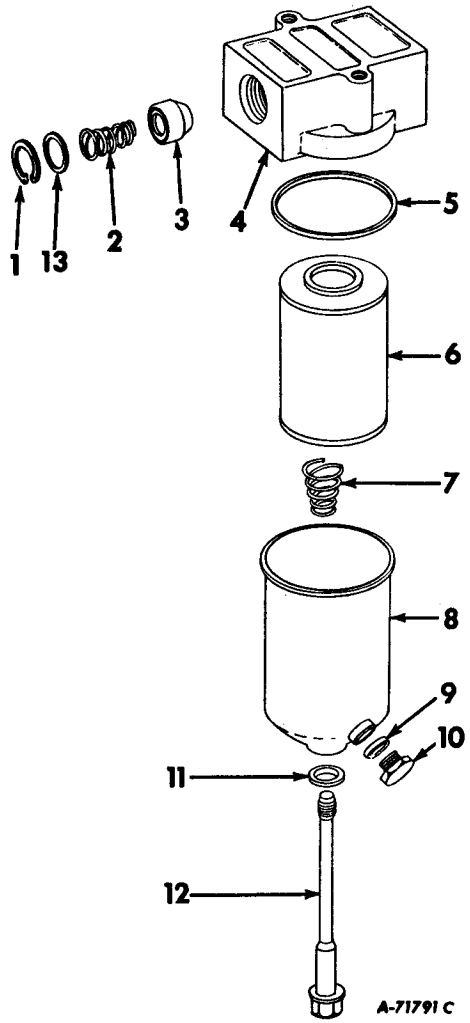


	385 131 R92	VALVE ASSY, POWER STEERING PILOT
1	379 894 R1	CAP, END -2-
	179 847	SCREW, 3/8-16 X 2 HEX-HD CAP -4-
	103 321	WASHER, 3/8 MED LOCK -4-
2	387 088 R1	SEAL, END CAP -2-
3	379 896 R1	SCREW, SPRING CENTERING
4	379 897 R1	WASHER, CENTERING SCREW -2-
5	385 622 R1	SPRING, VALVE CENTERING
6		NOT USED IN THIS APPLICATION
7		NOT USED IN THIS APPLICATION
8	369 384 R1	O-RING, 13/32 X 9/16 X 5/64
9		NOT USED IN THIS APPLICATION
10		NOT USED IN THIS APPLICATION
11	379 901 R91	PLUG ASSY
12	379 795 R1	O-RING, PLUG
13	382 125 R1	SPRING, PRESSURE CHECK
14	382 126 R1	VALVE, CHECK

3131 BACKHOE -70- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	POWER STEERING PILOT VALVE -CONTINUED		
15	379 810 R1	SEAL, CHECK VALVE	
16	382 127 R1	SPACER, CHECK VALVE	
17	9 410 357	PLUG, O-RING BOSS	
18	16 008 R1	BALL, 1/4 DIA STL	
	379 793 R91	PACKAGE, PILOT VALVE SERVICE -CONSISTS OF	
		1 O-RING 369 386 R1	
		1 O-RING 379 795 R1	
		1 SEAL 379 810 R1	
		2 SEAL 387 088 R1-	

OIL FILTER



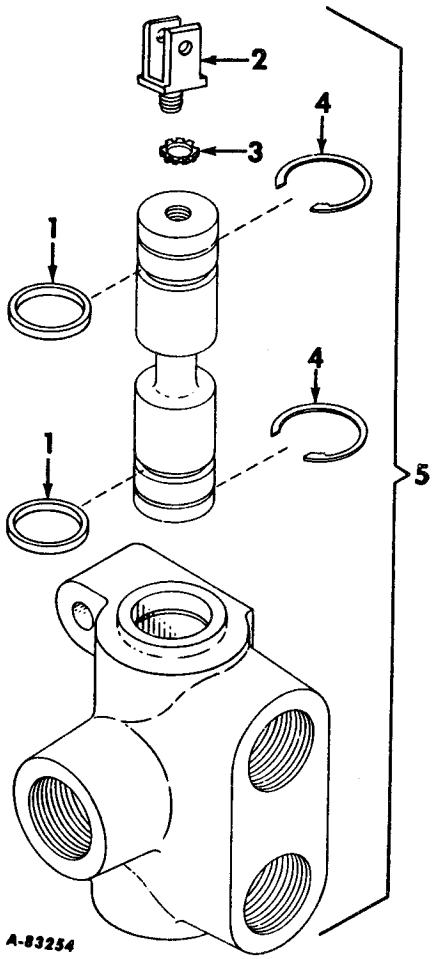
REF. NO.	PART NUMBER	DESCRIPTION
	471 133 R92	FILTER ASSY, OIL
1	338 835 R1	RING, VALVE RETAINING
2	381 626 R1	SPRING, VALVE COMPRESSION
3	381 625 R1	VALVE, RELIEF AND CHECK
4		BASE ASSY, OIL FILTER -NOT SERVICED SEPARATELY-
5	381 627 R1	GASKET, FILTER BASE PLUG
6	381 256 R91	ELEMENT ASSY, OIL FILTER
7	471 633 R1	SPRING, OIL FILTER COMPRESSION
8	471 634 R1	BODY, OIL FILTER
9	381 618 R1	GASKET, OIL FILTER DRAIN PLUG RING
10	445 078	PLUG, OIL FILTER DRAIN
11	381 629 R1	GASKET, OIL FILTER BODY BOLT RING

3131 BACKHOE -71- SECTION E

OIL FILTER -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
12	471 632 R1	BOLT, OIL FILTER HOLD DOWN
13		NOT USED IN THIS APPLICATION

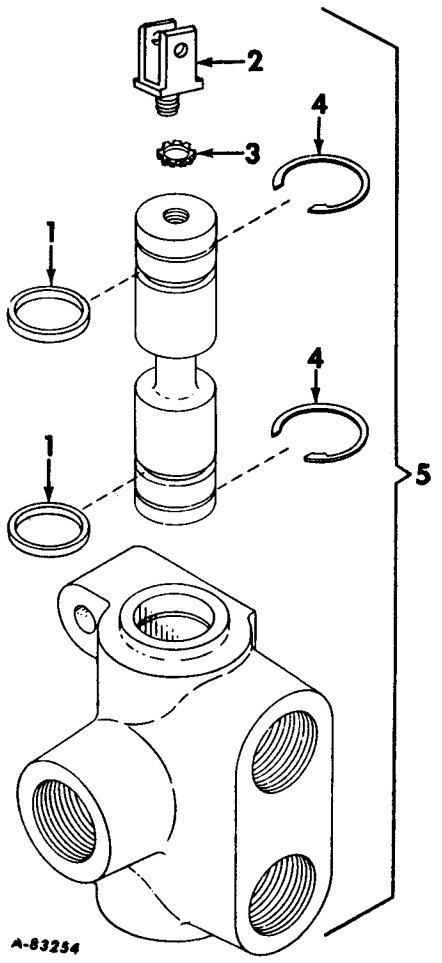
DIVERTER VALVE



REF. NO.	PART NUMBER	DESCRIPTION
1	403 519 R1	O-RING
2		NOT USED IN THIS APPLICATION
3	138 489	WASHER, 3/8 C-Z EXT-TOOTH
4	23 090 R1	RING, SELECTOR
5	404 491 R91	VALVE ASSY, DIVERTER

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

DIVERTER VALVE -FOR INTERNATIONAL 504 2504 606 AND 2606 TRACTOR-

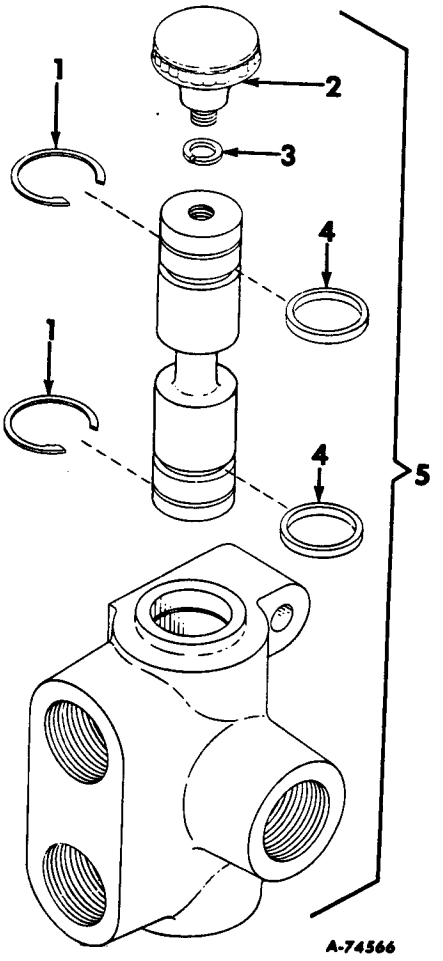


1	377 952 R1	O-RING, 9/16 X 3/4 X 3/32 -2-
2	669 547 R1	EXTENSION, VALVE LEVER
3	138 489	WASHER, 3/8 C-Z PLTD EXT-TOOTH
4	661 652 R1	RING, SELECTOR VALVE RETAINING -2-
5	478 887 R91	VALVE ASSY, DIVERTER

3131 BACKHOE -72- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

DIVERTER VALVE -FOR 3414, 3444, 3514 AND 3616 LOADER TRACTOR-



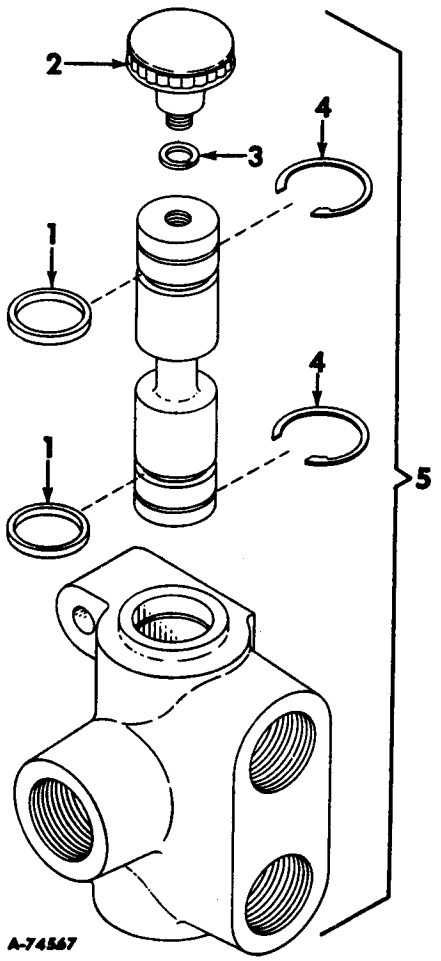
1	661 652 R1	RING, SELECTOR VALVE RETAINING -2- -USED W/VALVE ASSY, 383 946 R91 & 389 251 R91-
1	23 090 R1	RING, SELECTOR VALVE RETAINING -2- -NOTE B- -USED W/VALVE ASSY, 389 251 R92-
2	384 283 R1	KNOB, CONTROL -NOTE A-
2	389 255 R1	KNOB, CONTROL -NOTE B-
3	120 381	WASHER, 3/8 C-Z LOCK -NOTE A-
3	131 099	WASHER, 3/8 C-Z HV-LOCK -NOTE B-
4	352 221 R1	O-RING, 9/16 X 3/4 X 3/32 -2- -NOTE A-
4	377 952 R1	O-RING, 9/16 X 3/4 X 3/32 -2- -NOTE B- -USED W/VALVE ASSY, 389 251 R91-
4	403 519 R1	O-RING, 9/16 X 3/4 X 3/31 -2- -NOTE B- -USED W/VALVE ASSY, 389 251 R92-
5	383 946 R91	VALVE ASSY, DIVERTER -NOTE A-
5	389 251 R92	VALVE ASSY, DIVERTER -NOTE B-

NOTE A - FOR SERVICE OF GRESEN DIVERTER VALVE-

NOTE B - FOR SERVICE OF IH MANUFACTURED DIVERTER VALVE-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

DIVERTER VALVE -FOR INTERNATIONAL 2424 & 2444 TRACTORS W/HITCH, POWER STEERING & 2000 LOADER-



1	377 952 R1	O-RING, 9/16 X 3/4 X 3/32 -2- -USED W/VALVE ASSY, 469 730 R91 & 389 252 R91-	
1	403 519 R1	O-RING, 9/16 X 3/4 X 3/32 -2- -NOTE B- -USED W/VALVE ASSY, 389 252 R92-	
2	384 283 R1	KNOB, CONTROL -NOTE A-	
2	389 255 R1	KNOB, CONTROL -NOTE B-	
3	120 381	WASHER, 3/8 C-Z LOCK -NOTE A-	
3	131 099	WASHER, 3/8 C-Z HV-LOCK -NOTE B-	
4	661 652 R1	RING, SELECTOR VALVE RETAINING -2- -USED W/VALVE ASSY, 469 730 R91 & 389 252 R91-	
4	23 090 R1	RING, SELECTOR VALVE RETAINING -2- -NOTE B- -USED W/VALVE ASSY, 389 252 R92-	

3131 BACKHOE -73- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

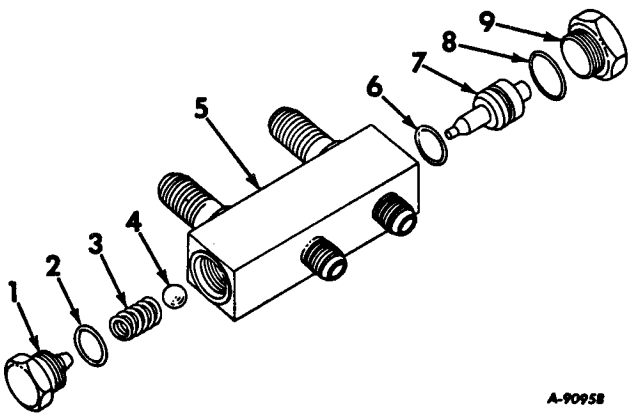
DIVERTER VALVE -FOR INTERNATIONAL -CONTINUED 2424 & 2444 TRACTORS W/HITCH, POWER STEERING & 2000 LOADER-

5	469 730 R91	VALVE ASSY, DIVERTER -NOTE A-	
5	389 252 R92	VALVE ASSY, DIVERTER -NOTE B-	

NOTE A - FOR SERVICE OF GRESEN DIVERTER VALVE-

NOTE B - FOR SERVICE OF IH MANUFACTURED DIVERTER VALVE-

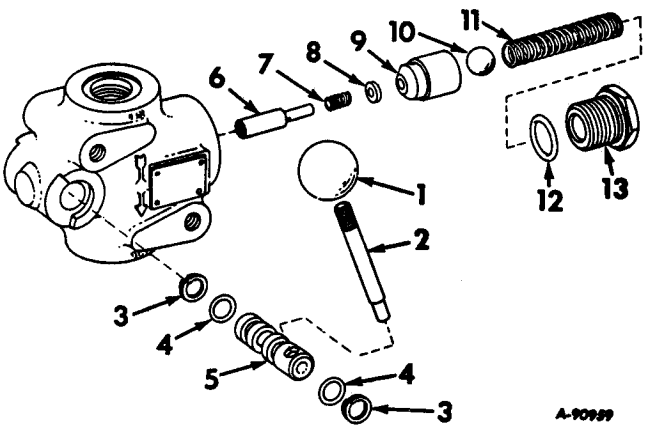
CHECK VALVE -STABILIZER-



	400 433 R91	VALVE ASSY, STABILIZER CHECK	
1	370 967 R1	PLUG, CHECK VALVE	
2	364 885 R1	O-RING FOR 5/8 OD TUBE CHECK VALVE RING	
3	372 649 R1	SPRING, CHECK VALVE	
4	17 016 R1	BALL, 1/2 CR-STL	
5	400 659 R1	BLOCK ASSY, CHECK VALVE	
6	350 667 R1	RING, ACTUATOR CHECK VALVE SEAL PISTON	
7	362 707 R2	PISTON, ACTUATOR CHECK VALVE	
8	368 269 R1	O-RING FOR 3/4 OD TUBE CHECK VALVE RING	
9	400 664 R1	PLUG, O-RING BOSS	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

CHECK VALVE
-LEVER OPERATED-



	488 897 R92	VALVE ASSY, CHECK	
1	489 055 R1	KNOB	
2	489 054 R1	HANDLE	
3	157 925 H1	RING, BACK-UP -2-	
4	355 966 R1	O-RING, 7/16 X 5/8 X 3/32 -2-	
5	489 053 R1	CAM	
6	489 056 R2	CAM FOLLOWER	
7	489 058 R2	SPRING	
8	489 057 R2	WASHER	
9	489 051 R1	VALVE, POPPET	
10	16 016 R1	BALL, 1/2 DIA CHROME STEEL	
11	489 052 R1	SPRING	
	17 272 R1	PIN, ROLL DRIVE	
12	368 269 R1	O-RING, 3/4 OD TUBE	
13	489 050 R1	PLUG, CHECK VALVE	

3131 BACKHOE -74- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

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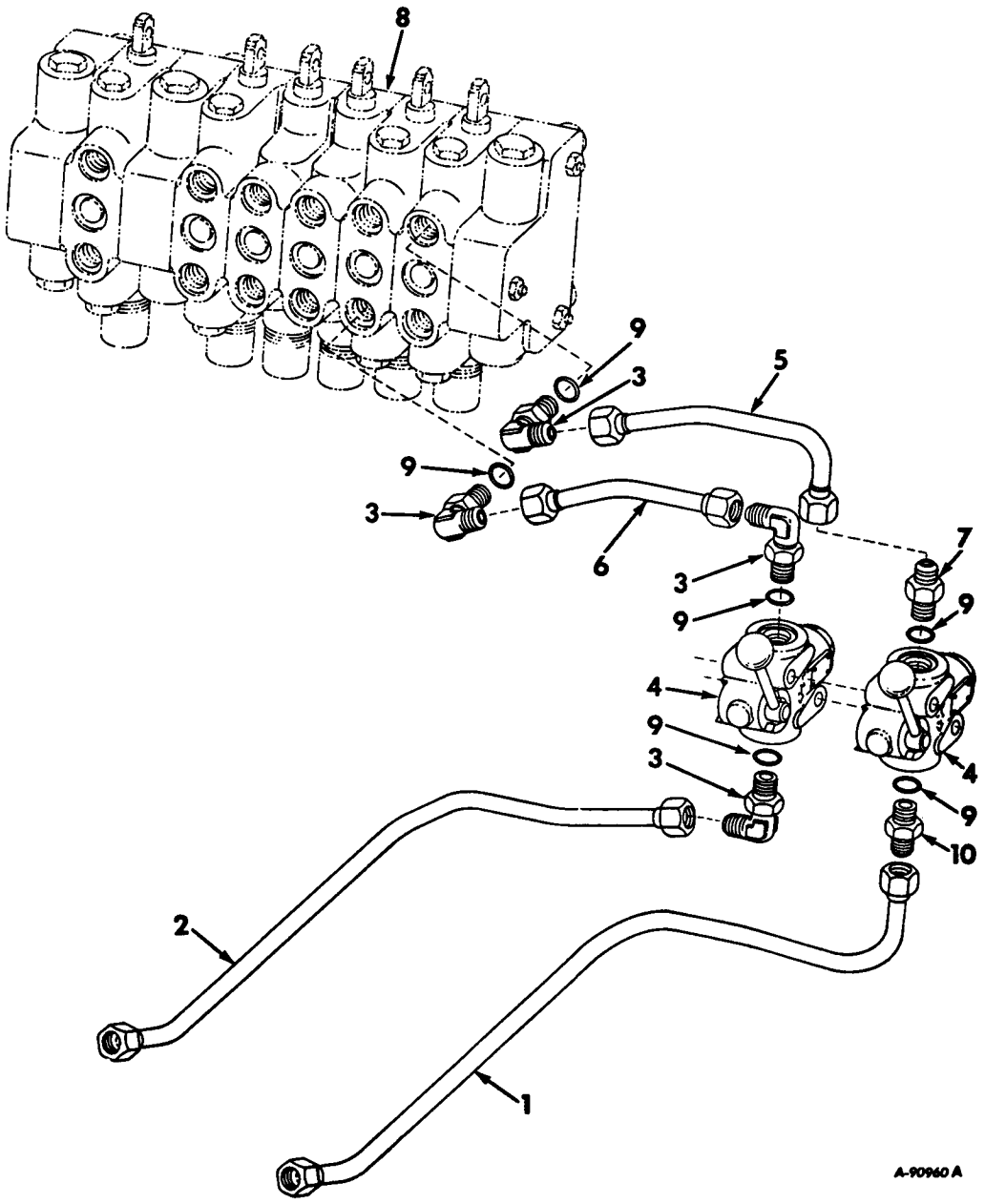
CHECK VALVE AND CONNECTIONS
-LEVER OPERATED-



REF. NO.	PART NUMBER	DESCRIPTION
1	488 883 R1	TUBE ASSY, CHECK VALVE HOSE LIFT CYLINDER
2	488 887 R1	TUBE ASSY, CHECK VALVE HOSE CROWD CYLINDER
3	9 410 978	ELBOW, 7/8-14 37 DEG HYD FLARED TYPE -4-
4	488 897 R92	VALVE ASSY, LEVER OPERATED CHECK -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF LEVER OPERATED CHECK VALVE-
	20 903 R1	SCREW, 3/8-16 X 5-1/4 C-Z HEX-HD CAP
	120 382	WASHER, 3/8 C-Z MED LOCK
	120 377	NUT, 3/8-16 C-Z HEX.

3131 BACKHOE -75- SECTION E
BKH-1

CHECK VALVE AND CONNECTIONS -CONTINUED
-LEVER OPERATED-

PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		CHECK VALVE AND CONNECTIONS -CONTINUED -LEVER OPERATED-	
5	488 881 R1	TUBE ASSY, TOP PORT CHECK VALVE LIFT CYLINDER	
6	488 885 R1	TUBE ASSY, BOTTOM PORT CHECK VALVE CROWD CYLINDER	
7	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED TUBE	
8		VALVES, HYDRAULIC CONTROL -REFER TO HYDRAULIC CONTROL VALVES UNIT-	
9	364 885 R1	O-RING, 5/8 OD TUBE -6-	
10	397 669 R1	UNION ASSY, ORIFICE	
	2 754 177 R1	PRODUCT GRAPHIC, LOCKOUT VALVE	

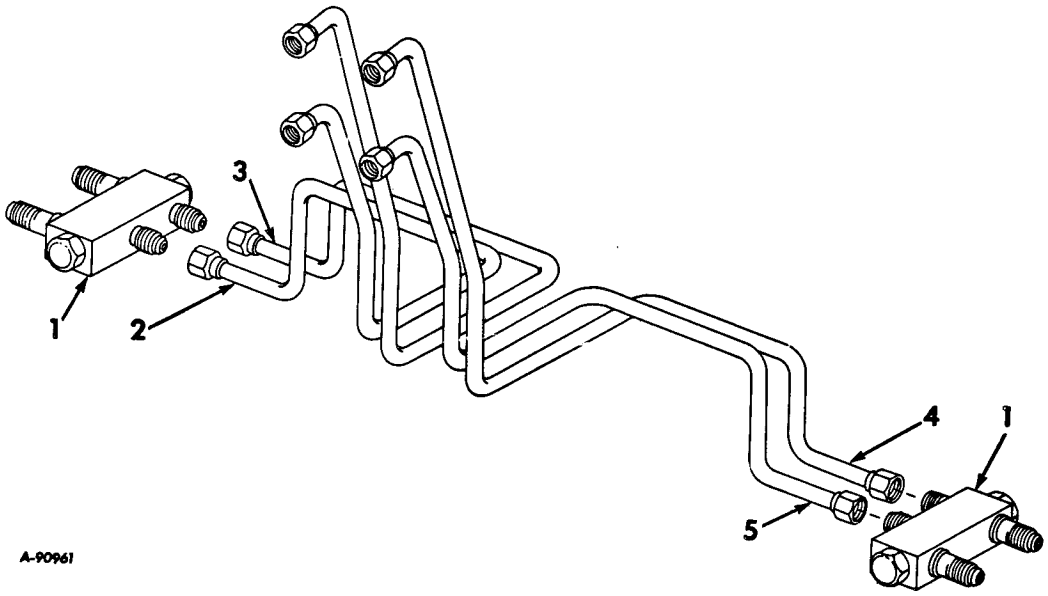
3131 BACKHOE -76- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

CHECK VALVE AND CONNECTIONS
-STABILIZER-



1	400 433 R91	VALVE ASSY, STABILIZER CHECK -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF STABILIZER CHECK VALVE-	
	138 561	WASHER, 3/4 C-Z INT-TOOTH LOCK -2-	
9	403 294	NUT, 3/4-16 BULKHEAD UNION LOCK -2-	
2	488 874 R1	TUBE ASSY, BOTTOM PORT RIGHT STABILIZER	
3	488 872 R1	TUBE ASSY, TOP PORT RIGHT STABILIZER	
4	488 876 R1	TUBE ASSY, TOP PORT LEFT STABILIZER	
5	488 879 R1	TUBE ASSY, BOTTOM PORT LEFT STABILIZER	
2	754 177 R1	PRODUCT GRAPHIC, LOCKOUT VALVE	

3131 BACKHOE -77- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

CHECK VALVE AND CONNECTIONS -CONTINUED
-STABILIZER-

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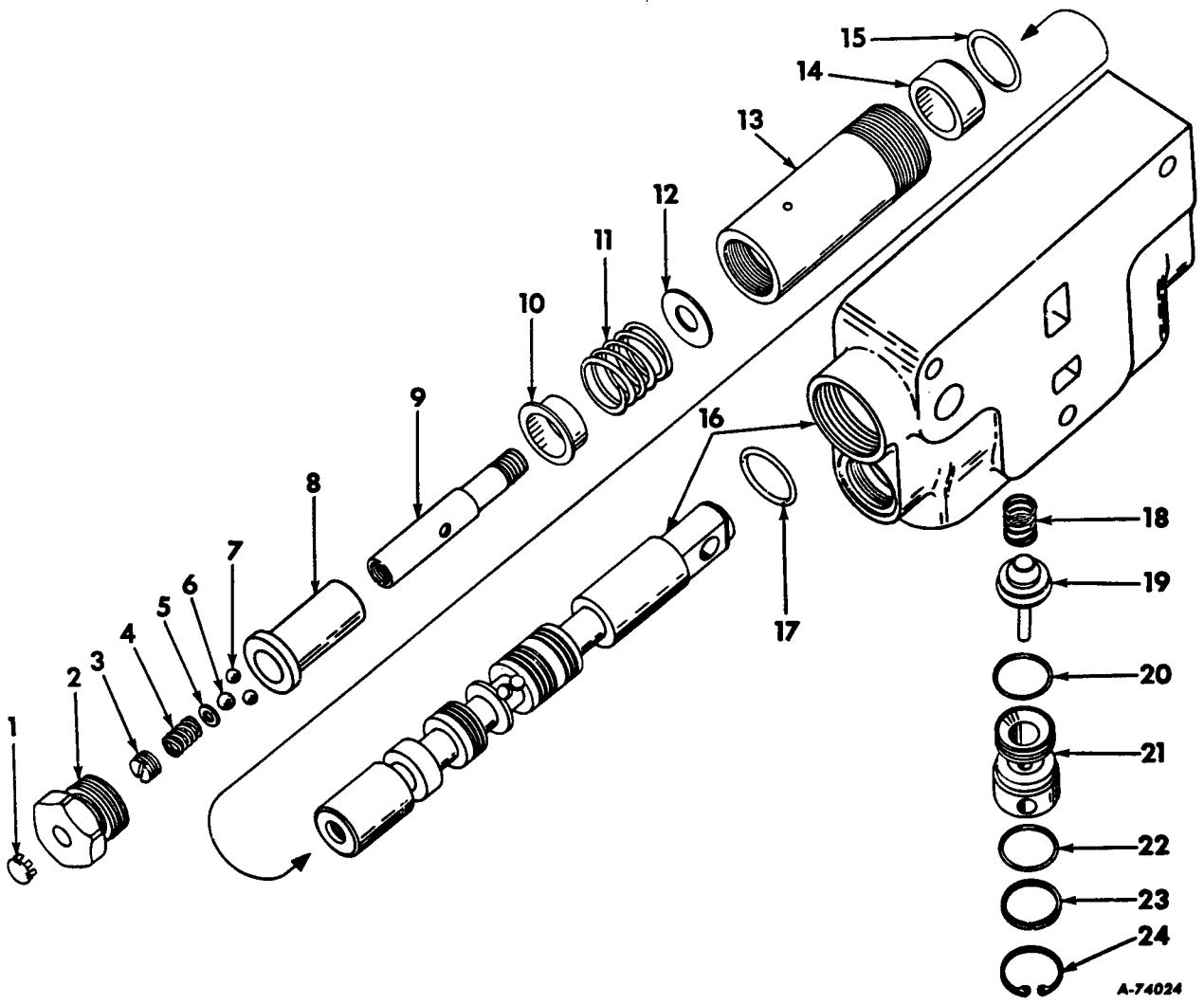
REVISION NO. 12

HYDRAULIC CONTROL VALVE
-FOUR POSITION SPRING CENTERED-



REF. NO.	PART NUMBER	DESCRIPTION
	383 269 R94	VALVE ASSY, HYD CONTROL
1	432 539	PLUG, 7/16 STL BUTTON
2	376 425 R1	CAP ASSY, CONTROL VALVE
3	377 803 R1	PLUG, SPRING RETAINING
4	377 802 R1	SPRING, DETENT
5	377 801 R1	WASHER, DETENT ACTUATING BALL
6	17 010 R1	BALL, 5/16 DIA CR-STL
7	17 008 R1	BALL, 1/4 DIA CR-STL -DETENT- -3-
8	376 428 R1	SLEEVE, POSITION CONTROL
9	382 661 R2	ACTUATOR, CENTERING SPRING
10	376 423 R1	RETAINER, CENTERING SPRING
11	384 381 R1	SPRING, CENTERING
12	376 420 R1	WASHER, CENTERING SPRING - THIN
13	395 783 R1	SLEEVE, CAP RETAINING
14	395 781 R2	RETAINER, VALVE SPOOL O-RING

HYDRAULIC CONTROL VALVE -CONTINUED
-FOUR POSITION SPRING CENTERED-

REF. NO.	PART NUMBER	DESCRIPTION
15	528 249 R1	O-RING, 7/8 X 1-1/16 X 3/32 -REPLACES 380 839 R1-
16	394 707 R93	BODY ASSY, CONTROL VALVE
17	406 181 R1	O-RING, 7/8 X 1-1/8 X 1/8 -REPLACES 253 070 R1-
18	395 278 R1	SPRING, CHECK POPPET
19	395 277 R1	POPPET ASSY, CHECK
20	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32
21	383 280 R1	RETAINER, CHECK POPPET
22	362 796 R1	O-RING, 15/16 X 1-1/8 X 3/32
23	376 433 R1	WASHER, VALVE BODY PLUG O-RING BACK-UP
24	228 275 R1	RING, CHECK BALL RETAINER SNAP

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONTROL VALVE -CONTINUED	
		-FOUR POSITION SPRING CENTERED-	
	383 548 R92	PACKAGE, OPEN CENTER CONTROL VALVE	
		-CONSISTS OF	
	1	O-RING 406 181 R1	
	1	O-RING 528 249 R1	
	1	O-RING 359 158 R1	
	$1	O-RING 377 805 R1	
	1	O-RING 362 796 R1	
	1	O-RING 364 879 R1	
	$1	PISTON, UNLATCHING 377 804 R1	
	1	POPPET ASSY 395 277 R1	
	1	RETAINER 382 852 R1	
	1	RETAINER 383 280 R1	
	1	RING, SNAP 228 275 R1	
	1	SPRING 395 278 R1	
	1	WASHER 376 433 R1-	

-79- SECTION E
3131 BACKHOE
REF. NO. PART NUMBER DESCRIPTION BKH-1
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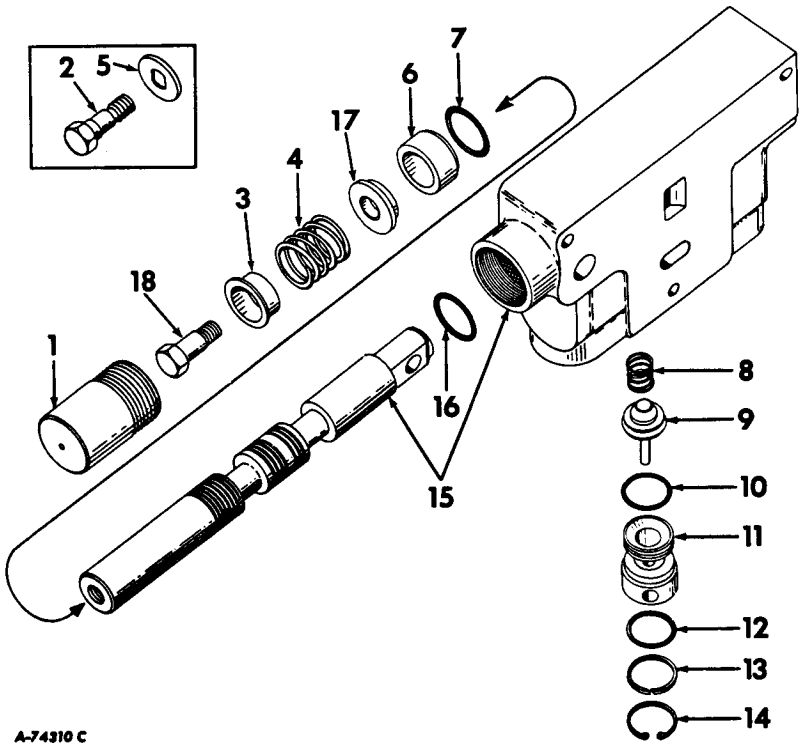
REVISION NO. 12

HYDRAULIC CONTROL VALVES
-THREE POSITION SPRING CENTERED-



A-74310 C

REF. NO.	PART NUMBER	DESCRIPTION
	383 270 R93	VALVE ASSY, HYD CONTROL
	383 271 R94	VALVE ASSY, HYD CONTROL
	394 705 R94	VALVE ASSY, HYD CONTROL
1	395 782 R1	CAP, CENTERING SPRING -FOR SERVICE OF 384 288 R1 ALSO ORDER 395 781 R2-
2	384 288 R1	SCREW, CENTERING SPRING -FOR SERVICE ON 406 825 R1 AND 395 950 R1-
3	376 423 R1	RETAINER, CENTERING SPRING
4	384 381 R1	SPRING, CENTERING
5	376 421 R1	WASHER, CENTERING SPRING -FOR SERVICE ON 406 825 R1 AND 395 950 R1-
6	395 781 R2	RETAINER, VALVE SPOOL O-RING
7	528 249 R1	O-RING, 7/8 X 1-1/16 X 3/32 -CONTROL VALVE SPOOL LOWER- -REPLACES 380 839 R1-
8	395 278 R1	SPRING, CHECK POPPET -REPLACES 383 190 R1-
9	395 277 R1	POPPET, W/SEAL CHECK -FOR SERVICE OF 383 279 R11 ALSO ORDER 395 278 R1-

HYDRAULIC CONTROL VALVES -CONTINUED
-THREE POSITION SPRING CENTERED-

REF. NO.	PART NUMBER	DESCRIPTION
10	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32 -CHECK BALL RETAINER INNER-
11	383 280 R1	RETAINER, CHECK BALL
12	362 796 R1	O-RING, 15/16 X 1-1/8 X 3/32 -CHECK BALL RETAINER OUTER-
13	376 433 R1	WASHER, VALVE BODY PLUG O-RING BACK-UP
14	228 275 R1	RING, CHECK BALL RETAINER SNAP
15	382 850 R21	BODY ASSY, CONTROL VALVE FOR 383 270 R93
15	383 276 R93	BODY ASSY, CONTROL VALVE -FOR 383 271 R94-
15	394 707 R93	BODY ASSY, CONTROL VALVE -FOR 394 705 R94-
16	406 181 R1	O-RING, 7/8 X 1-1/8 X 1/8 -CONTROL VALVE SPOOL UPPER -REPLACES 253 070 R1-
17	406 825 R1	RETAINER, CENTERING SPRING
18	395 950 R1	SCREW, CENTERING SPRING

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONTROL VALVES -CONTINUED
-THREE POSITION SPRING CENTERED-

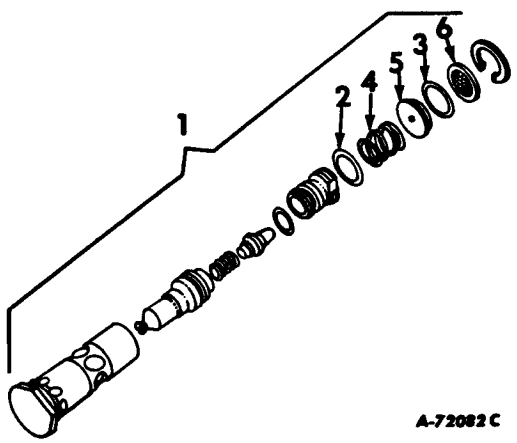
383 548 R92 PACKAGE, OPEN CENTER CONTROL VALVE
CONSISTS OF-

1	O-RING	406 181 R1
1	O-RING	528 249 R1
1	O-RING	359 158 R1
1	O-RING	$377 805 R1
1	O-RING	362 796 R1
1	O-RING	364 879 R1
1	PISTON, UNLATCHING	396 582 R1
1	POPPET ASSY	395 277 R1
1	RETAINER	382 852 R1
1	RETAINER	383 280 R1
1	RING, SNAP	228 275 R1
1	SPRING	395 278 R1
1	WASHER	376 433 R1

-81- SECTION E
3131 BACKHOE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

PILOT RELIEF VALVE

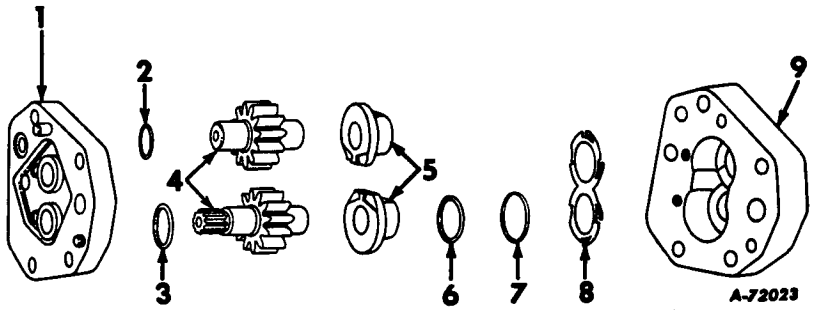


A-72082C

1	388 208 R93	VALVE ASSY, PILOT RELIEF -2000 P.S.I.-
1	396 729 R92	VALVE ASSY, PILOT RELIEF -2250 P.S.I.- -FOR 3616 GASOLINE & DIESEL TRACTORS-
2	406 185 R1	O-RING, 5/8 X 3/4 X 1/16 -POPPET-
3	298 385 R1	O-RING, 11/16 X 13/16 X 1/16 -ORIFICE PLATE-
4	386 040 R1	SPRING POPPET RETURN
5	386 042 R1	PLATE, ORIFICE
6	386 073 R91	SCREEN ASSY, PILOT RELIEF VALVE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC GEAR PUMP
-THOMPSON 7 GPM-



	381 115 R92	PUMP ASSY, HYD GEAR -OPTIONAL WITH 381 116 R92-
1		COVER ASSY, PUMP FRONT -NOTE- -NOT SERVICED SEPARATELY, ORDER PUMP ASSY-
2		O-RING, 9/16 X 11/16 -PUMP COVER PRESSURE -NOT SERVICED SEPARATELY -ORDER PACKAGE, 371 542 R92-
3		O-RING, PUMP COVER -NOT SERVICED SEPARATELY - ORDER PACKAGE 371 542 R92-
4		PACKAGE, DRIVE AND DRIVEN GEAR -NOTE- -NOT SERVICED SEPARATELY, ORDER PUMP ASSY-
5		PACKAGE, PRESSURE BEARING -NOTE- -NOT SERVICED SEPARATELY, ORDER PUMP ASSY-
6		O-RING, 7/8 X 1-1/16 X 3/32 -2- -OUTSIDE PRESSURE BEARING- -NOT SERVICED SEPARATELY - ORDER PACKAGE, 371 542 R92-
7	373 182 R1	RETAINER, PRESSURE BEARING O-RING -USED WITH O-RING OUTSIDE BEARING -2-
8	371 531 R1	SPRING, PRESSURE PLATE
9		BODY, PUMP -NOT SERVICED SEPARATELY ORDER PUMP ASSY-
	371 542 R92	PACKAGE, HYD PUMP O-RING AND GASKET SERVICE

CONSISTS OF-

1	GASKET	371 543 R2
$2	O-RING	253 070 R1
2	O-RING	364 879 R1
$2	O-RING	371 544 R1
$1	O-RING	371 545 R1
$2	WASHER	368 635 R1

NOTE- FOR SERVICE REPLACEMENT ALSO ORDER O-RING AND GASKET PACKAGE, 371 542 R92.

3131 BACKHOE -82- SECTION E

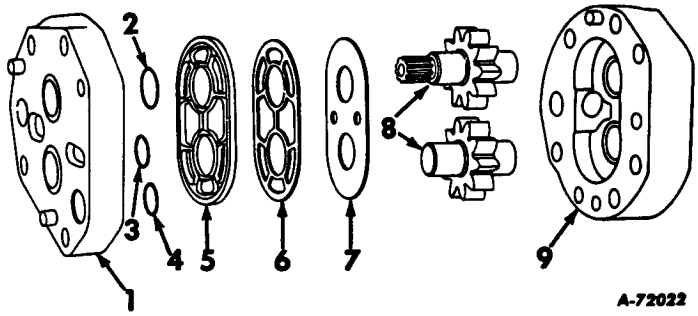
REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

HYDRAULIC GEAR PUMP -CONTINUED
-THOMPSON 7 GPM-

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC GEAR PUMP
-CESSNA 7 GPM-



A-72022

	381 116 R92	PUMP ASSY, HYD GEAR -OPTIONAL WITH 381 115 R92-
1		COVER ASSY, PUMP FRONT -NOTE- -NOT SERVICED SEPARATELY, ORDER PUMP ASSY-
2	574 069 R1	O-RING, 3/4 X 7/8 X 1/16 -PUMP COVER-
3	370 920 R1	O-RING, 1/2 X 5/8 X 1/16 -PUMP COVER-
4		O-RING, 9/16 X 11/16 X 1/16 -PUMP PRESSURE EXTERNAL -NOT SERVICED SEPARATELY - ORDER PACKAGE 381 154 R91-
4		O-RING, 9/16 X 11/16 X 1/16 -PUMP PRESSURE INTERNAL -NOT SERVICED SEPARATELY - ORDER PACKAGE 381 154 R91-
5		SEAL, DIAPHRAGM -NOT SERVICED SEPARATELY - ORDER PACKAGE 381 154 R91-
6		GASKET, BACK-UP -NOT SERVICED SEPARATELY - ORDER PACKAGE 381 154 R91-
7		DIAPHRAGM, PRESSURE -NOT SERVICED SEPARATELY - ORDER PACKAGE 381 154 R91-
8		PACKAGE, DRIVE AND DRIVEN GEAR -NOTE- -NOT SERVICED SEPARATELY, ORDER PUMP ASSY-
9		BODY W/BUSHINGS ASSY, PUMP -NOTE- -NOT SERVICED SEPARATELY, ORDER PUMP ASSY-
	381 154 R91	PACKAGE, HYD PUMP O-RING AND GASKET SERVICE

CONSISTS OF-

$1	DIAPHRAGM	371 551 R1
1	GASKET	371 543 R2
$1	GASKET	371 553 R1
$1	GASKET	381 155 R1
1	O-RING	370 920 R1
$2	O-RING	371 544 R1
1	O-RING	574 069 R1
$1	SEAL	371 552 R1
1	WASHER	370 897 R1

NOTE- FOR SERVICE REPLACEMENT ALSO ORDER O-RING AND GASKET PACKAGE, 381 154 R91.

-83- SECTION E
3131 BACKHOE

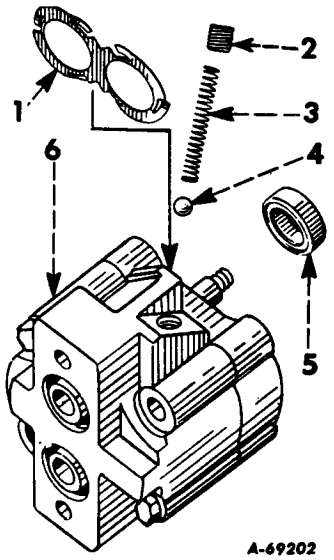
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC GEAR PUMP -CONTINUED
-CESSNA 7 GPM-

PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC PUMP -THOMPSON-
-GASOLINE ENGINE TRACTOR-

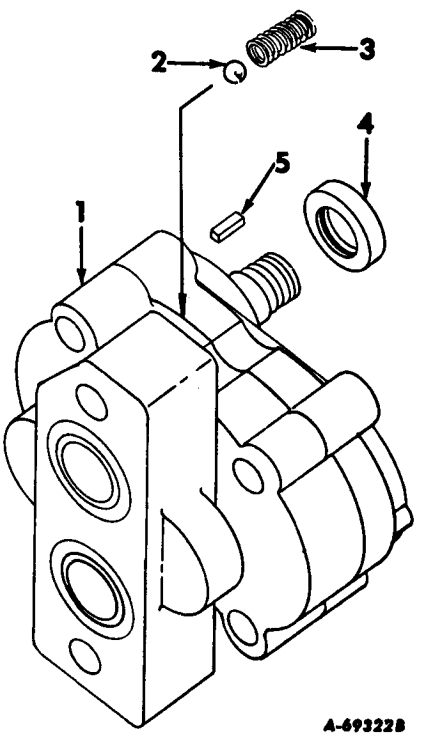


A-69202

REF. NO.	PART NUMBER	DESCRIPTION
1	361 629 R1	SPRING, PRESSURE PLATE
	373 182 R1	RETAINER, PRESSURE BEARING O-RING -2-
2	362 336 R1	PLUG, BALL CHECK
3	381 370 R1	SPRING, BALL CHECK
4	16 011 R1	BALL, 11/32 DIA. CR-PLTD-STL
5	381 369 R91	SEAL, PUMP SHAFT OIL
	124 543	KEY, 1/8 X 1/2 WOODRUFF 3
6	368 633 R92	PUMP ASSY, HYDRAULIC -9 GPM- -OPTIONAL WITH 376 933 R94- -COMPOSED OF
		1 BALL 16 011 R1
		$1 BODY ASSY
		1 OIL SEAL 381 369 R91
		1 PLUG 362 336 R1
		$2 O-RING 253 070 R1
		$1 O-RING 293 726 R1
		2 RETAINER 373 182 R1
		1 SPRING 361 629 R1
		1 SPRING 381 370 R1
		$2 WASHER 368 635 R1-
	368 634 R92	PACKAGE, HYD PUMP O-RING & GASKET -CONSISTS
		2 O-RING 355 965 R1
		1 GASKET 350 708 R1
		$1 O-RING 293 726 R1
		$2 O-RING 253 070 R1
		2 WASHER 368 635 R1
		1 SEAL 385 038 R91
		$2 O-RING 364 879 R1-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

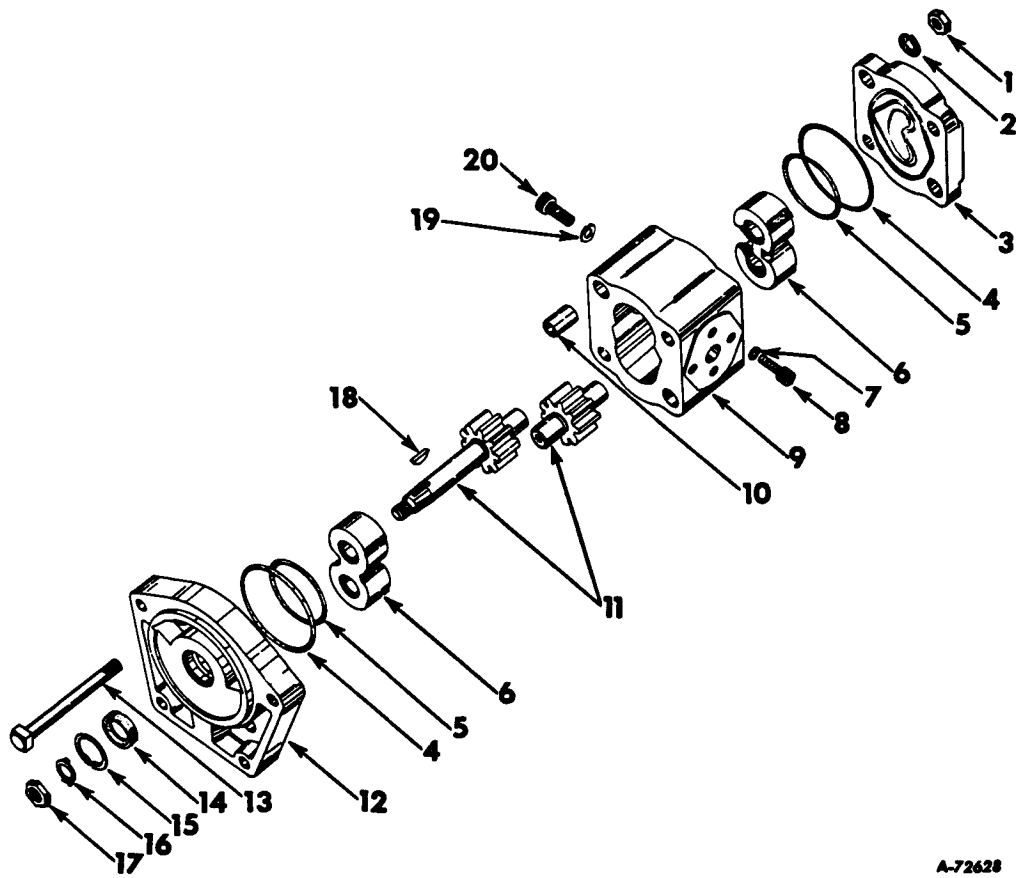
HYDRAULIC PUMP -CESSNA-
-GASOLINE ENGINE TRACTORS-



A-69322B

REF. NO.	PART NUMBER	DESCRIPTION
1	376 993 R94	PUMP ASSY, HYDRAULIC -9 GPM- -OPTIONAL WITH 368 633 R92 -COMPOSED OF
		1 BALL 16 077 R1
		$1 HOUSING ASSY
		1 OIL SEAL 381 001 R91
		1 SPRING 381 523 R1-
2	16 007 R1	BALL, 7/32 DIA. CR-PLTD-STL
3	371 523 R1	SPRING, BALL CHECK
4	596 548 R91	SEAL, PUMP SHAFT OIL
5	396 949 R1	KEY, PUMP SHAFT
	381 002 R93	PACKAGE, HYD PUMP O-RING AND GASKET SERVICE -COMPOSED OF
		$1 DIAPHRAGM 381 003 R1
		$1 DIAPHRAGM 381 006 R1
		1 GASKET 350 708 R1
		$1 GASKET 531 617 R1
		$1 GASKET 381 005 R2
		1 OIL SEAL 596 548 R91
		2 O-RING 381 884 R1
		$1 SEAL 381 004 R2
		$1 PLATE 396 948 R1-

HYDRAULIC PUMP
-DIESEL ENGINE TRACTOR-

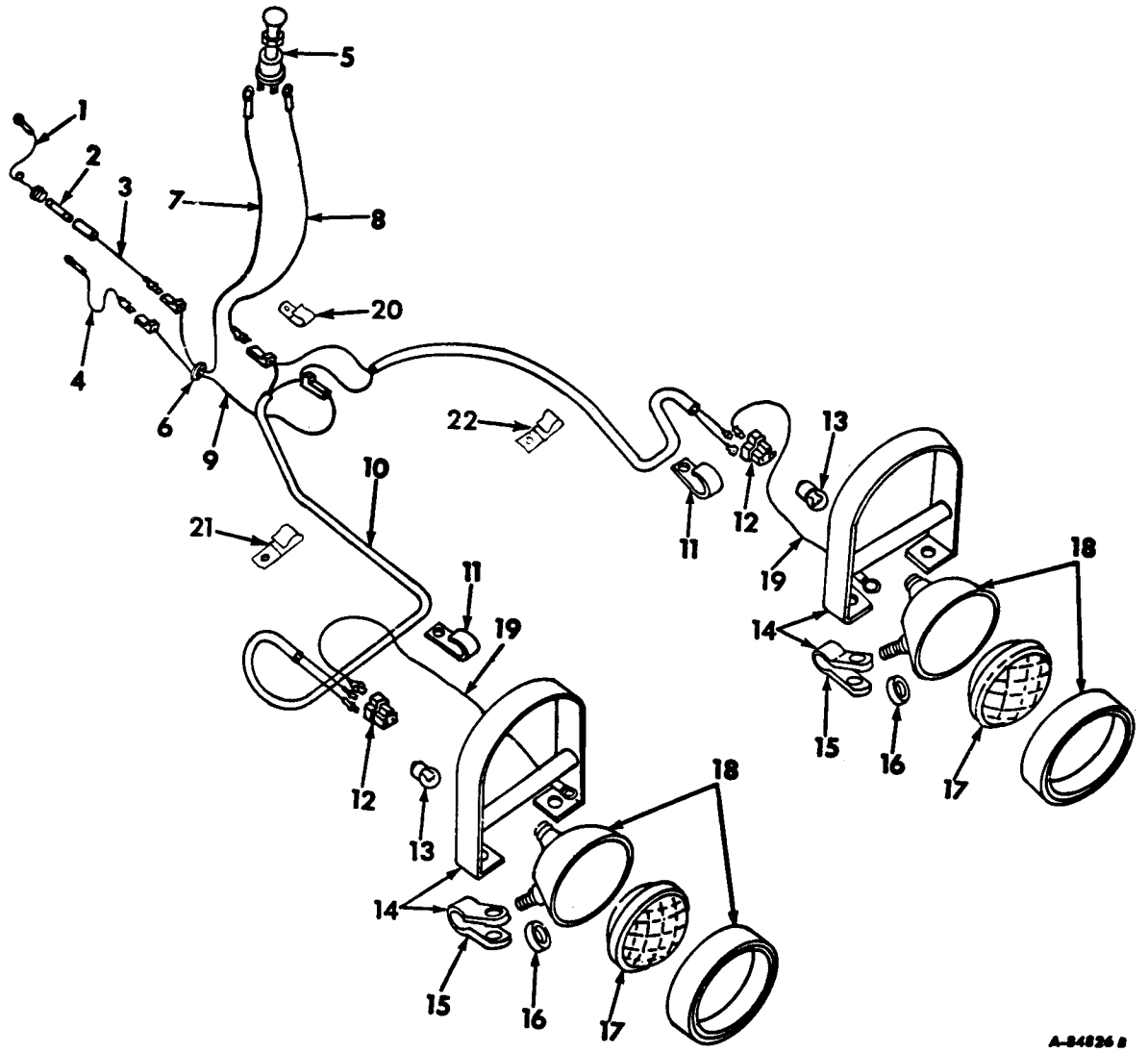


REF. NO.	PART NUMBER	DESCRIPTION
	3 043 981 R93	PUMP ASSY, HYDRAULIC -9 GPM-
1	3 044 632 R1	NUT, 3/8-24 HEX. -4-
2	3 044 634 R1	WASHER, 3/8 LOCK -4-
3	3 044 628 R1	COVER, PUMP
4	3 044 623 R1	O-RING, FLANGE SEALING -2-
5	3 044 624 R1	O-RING, PRESSURE RELIEF -2-
6	3 049 628 R1	BEARING -2-
7	3 044 644 R1	WASHER, SPRING -2-
8	3 044 642 R1	SCREW, 1/4 X 3/4 ALLEN -2-
9	3 049 626 R1	BODY, PUMP
	364 879 R1	O-RING, MANIFOLD
	352 221 R1	O-RING, MANIFOLD
10	3 044 631 R1	DOWEL, HOLLOW -4-
11	3 049 627 R91	GEAR SET, PUMP DRIVE
12	708 395 R1	FLANGE, PUMP
13	3 049 625 R1	BOLT -4-
14	708 422 R91	SEAL, OIL

HYDRAULIC PUMP -CONTINUED
-DIESEL ENGINE TRACTOR-

REF. NO.	PART NUMBER	DESCRIPTION
15	3 044 626 R1	CIRCLIP
16	3 044 636 R1	WASHER, LOCK
17	3 044 638 R1	NUT, LOCK
18	3 044 637 R1	KEY, WOODRUFF
19	3 044 643 R1	WASHER, SPRING -2-
20	3 044 641 R1	SCREW, ALLEN -2-
	3 049 629 R91	PACKAGE, SEAL

LIGHTING EQUIPMENT



REF. NO.	PART NUMBER	DESCRIPTION
1	469 656 R1	CABLE ASSY, FUSE HOUSING
1	484 924 R1	CABLE ASSY, FUSE TO BREAKAWAY HOUSING -FOR USE ON 500 CRAWLER TRACTOR-
2	117 142	FUSE, CARTRIDGE TYPE AGC 10
3	469 657 R1	CABLE ASSY, FUSE
3	484 923 R1	CABLE ASSY, FUSE HOUSING TO AMMETER NEG TERMINAL-FOR USE ON 500 CRAWLER TRACTOR ONLY-

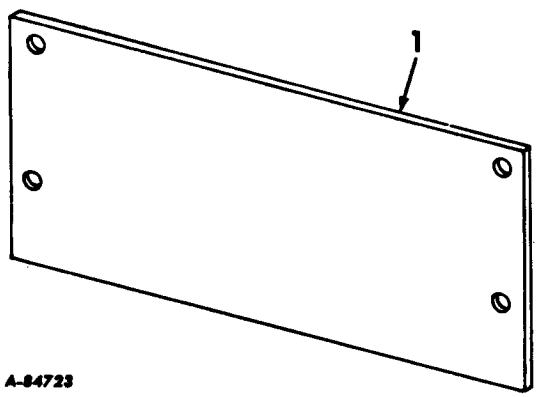
LIGHTING EQUIPMENT -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
4	481 701 R91	CABLE ASSY
4	484 925 R1	CABLE ASSY, TAIL LIGHT TERMINAL TO BACKHOE -FOR USE ON 500 CRAWLER TRACTOR ONLY-
4	492 118 R1	CABLE ASSY -FOR 3514 TRACTOR-
4	492 623 R91	CABLE ASSY, BACKHOE LIGHTS -FOR 500 C CRAWLER TRACTOR-
5	362 818 R91	SWITCH ASSY, LIGHTING

REF. NO.	PART NUMBER	DESCRIPTION
		LIGHTING EQUIPMENT -CONTINUED
6	42 486 H	GROMMET, RUBBER
7	481 735 R91	CABLE ASSY, LIGHTING SWITCH TO FUSE HOUSING JUNCTION
8	481 736 R91	CABLE ASSY, SWITCH TO HEAD LIGHT CABLE ASSY
9	481 734 R91	CABLE ASSY, INTERMEDIATE TAIL LAMP
10	481 733 R91	CABLE ASSY, HEAD LIGHT
11	366 460 R1	CLIP, CABLE -2-
12	377 105 R1	CONNECTOR -2-
13	455 490	LAMP, BULB -2-
14	482 979 R11	GUARD ASSY, BACKHOE LAMP -2-
	120 377	NUT, 3/8-16 C-Z HEX. -4-
	180 124	SCREW, 3/8-16 X 1-1/4 C-Z HEX-HD CAP -4-
	120 382	WASHER, 3/8 C-Z MED LOCK -4-
15	350 920 R1	CLAMP, HEAD LAMP -2-
16	365 503 R1	SPACER, LAMP -2-
	120 378	NUT, 1/2-13 C-Z HEX. -2-
	120 384	WASHER, 1/2 C-Z MED LOCK -2-
17	371 461 R91	LAMP, SEALED BEAM UNIT -2-
18	387 729 R91	LIGHT ASSY, COMBINATION SHOCK PROOF -2-
19	481 737 R91	CABLE ASSY, LIGHT TO GROUND -2-
20	362 120 R1	CLIP, BACKHOE LIGHTING CABLE -FOR 3444 TRACTORS-
21	371 036 R1	CLIP, LH FENDER CABLE -FOR 3444 TRACTORS-
	179 791	SCREW, 1/4-20 X 1/2 HEX-HD CAP
	103 319	WASHER, 1/4 MED LOCK
	109 084	NUT, 1/4-20 HEX.
22	362 126 R1	CLIP, MAIN CABLE HARNESS -FOR 3444 TRACTORS-
	179 837	SCREW, 3/8-16 X 3/4 HEX-HD CAP
	103 321	WASHER, P/8 MED LOCK
	102 635	NUT, 3/8-16 HEX.

-87- SECTION E
3131 BACKHOE
BKH-1

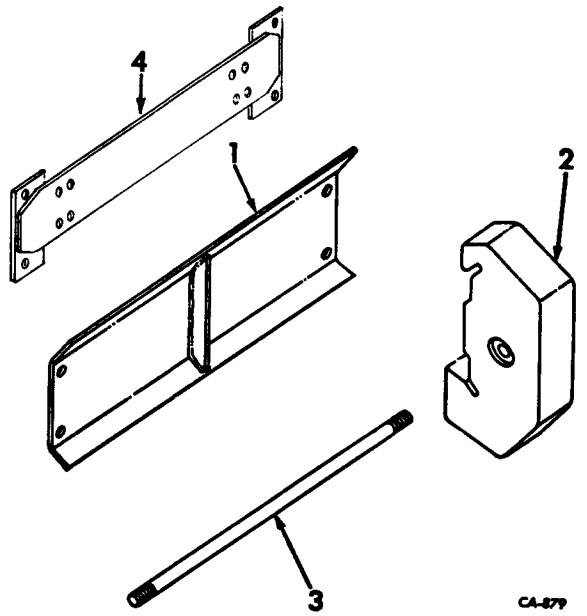
STANDARD BUCKET WEIGHT ATTACHMENT
FOR 500 CRAWLER TRACTOR W/BACKHOE



REF. NO.	PART NUMBER	DESCRIPTION
1	484 485 R1	PLATE, BUCKET WEIGHT -10-
	124 589	NUT, 5/8-11 C-Z HEX -4-
	21 136 R1	SCREW, 5/16-11 X 6-1/4 HEX-HD CAP -4-
	121 574	WASHER, 5/8 C-Z MED LOCK -4-
	131 016	WASHER, 21/32 X 1-5/16 X .095 C-Z -4-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

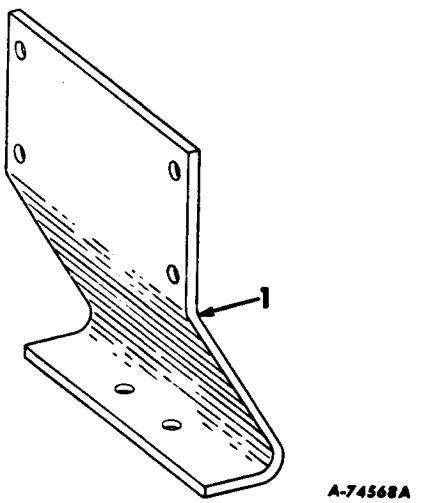
FRONT COUNTERWEIGHT ATTACHMENT
-INTERNATIONAL 2544 TRACTORS-



1	381 214 R11	PLATE ASSY, FRONT END WEIGHT MOUNTING
	271 769	SCREW, 3/4-10 X 1-3/4 ZND HEX-HD CAP -2-
	271 767	SCREW, 3/4-10 X 1-1/2 ZND HEX-HD CAP -2-
	131 046	WASHER, 3/4 C-Z MED LOCK -2-
	220 086	NUT, 3/4-10 C-Z HEX -4-
2	381 216 R1	WEIGHT, FRONT END -8-
3	381 217 R1	SHAFT, FRONT END WEIGHT CROSS TIE
	220 087	NUT, 7/8-9 C-Z HEX.
	427 691	NUT, 7/8-9 C-Z SQ
4	492 065 R2	BRACKET ASSY, FRONT WEIGHT
	271 765	SCREW, 3/4-10 X 1-1/4 ZND HEX-HD CAP -4-
	131 046	WASHER, 3/4-10 C-Z MED LOCK -4-

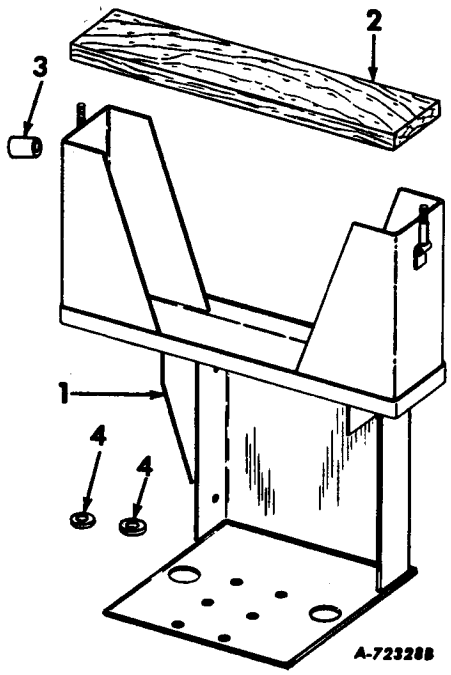
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

BATTERY MOUNTING BRACKET -FOR I-504 &
I-606 DIESEL TRACTORS-



1	471 555 R1	BRACKET, BATTERY MOUNTING
	120 378	NUT, 1/2-13 C-Z HEX. -4-
	180 175	SCREW, 1/2-13 X 1-1/4 C-Z HEX-HD CAP -4-
	180 191	SCREW, 1/2-13 X 3-1/4 C-Z HEX-HD CAP -2-
	120 384	WASHER, 1/2 C-Z MED LOCK -4-
M	81 610	SPACER, BATTERY MOUNTING BRACKET -2- -FOR I-2504 AND I-606 DIESEL-
	313 517 R1	KEY, SQUARE
	664 151 R1	SPACER, BATTERY MOUNTING BRACKET -FOR I-504, I-606, I-2504 & I-2606

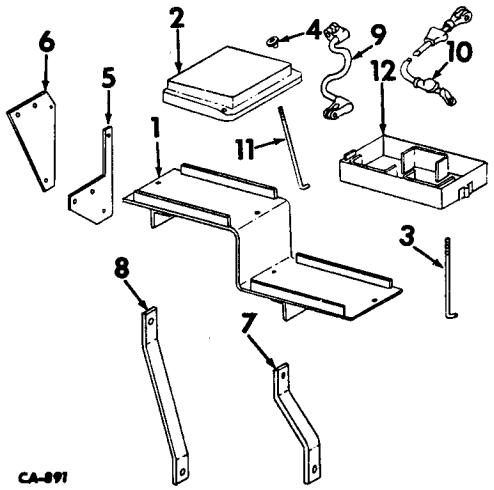
BATTERY TRAY -FOR 3414 AND 3444 LOADER TRACTORS



REF. NO.	PART NUMBER	DESCRIPTION
1	393 826 R91	TRAY ASSY, BATTERY BOX
	180 175	SCREW, 1/2-13 X 1-1/4 C-Z HEX-HD CAP -6-
	50 939 DA	SCREW, BATTERY BOX -2-
2	471 161 R1	SPACER, BATTERY -FOR GASOLINE VERSION ONLY-
3	619 260 R1	SPACER, BATTERY BOX -2-
3 N	10 268	SPACER, BATTERY BOX -2- -FOR 3444 LOADER TRACTOR-
4	390 554 R1	WASHER, BATTERY BOX -2 USED W/3444 TRACTORS- -4 USED W/3414 TRACTORS-
	472 086 R91	CABLE ASSY, BATTERY TO SOLENOID SWITCH -FOR 3444 LOADER TRACTOR-
	384 555 R1	CLIP, FLASHING LIGHT CABLE

-89- SECTION E
3131 BACKHOE
BKH-1

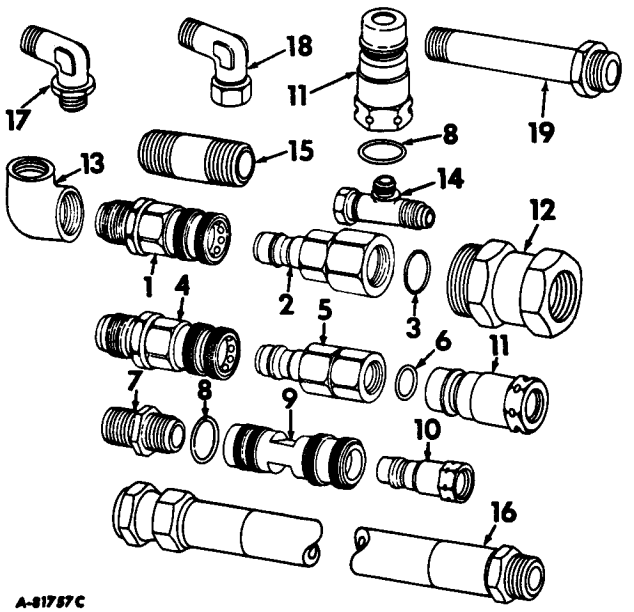
BATTERY TRAY AND CONNECTIONS -2544 TRACTORS-



REF. NO.	PART NUMBER	DESCRIPTION
1	491 787 R2	TRAY ASSY, BATTERY
	180 122	SCREW, 3/8-16 X 1 ZND HEX-HD CAP -3-
	120 382	WASHER, 3/8 C-Z MED LOCK -4-
	120 377	NUT, 3/8-16 C-Z HEX. -4-
1	492 408 R1	TRAY ASSY, BATTERY -TRACTORS W/2000 OR 3000 LOADER-
2	389 014 R1	COVER, BATTERY -2-
3	389 015 R1	ROD, BATTERY HOLD DOWN -4-
4	388 216 R1	KNOB, BATTERY COVER HOLD DOWN -4-
	120 393	WASHER, 11/32 X 11/16 X .051 C-Z -4-
5	492 412 R1	BRACKET, BATTERY TRAY
	180 020	SCREW, 1/4-20 X 3/4 ZND HEX-HD CAP -4-
	120 380	WASHER, 1/4 C-Z MED LOCK -4-
	120 375	NUT, 1/4-20 C-Z HEX. -4-
6	492 413 R1	BRACKET, BATTERY TRAY
7	492 414 R1	BRACE, BATTERY TRAY
	180 125	SCREW, 3/4-16 X 1-3/8 ZND HEX-HD CAP -3-
	120 382	WASHER, 3/8 C-Z MED LOCK -2-
	120 377	NUT, 3/8-16 C-Z HEX. -2-
8	492 415 R1	BRACE, BATTERY TRAY
9	492 416 R1	CABLE ASSY, BATTERY TO BATTERY
10	492 016 R1	CABLE ASSY, BATTERY TO SOLENOID SWITCH
11	315 716 R1	ROD, BATTERY HOLD DOWN -2- -GASOLINE ENGINE TRACTORS-
	219 210	NUT, 1/4-28 WING ZN -2-
	21 549 R1	WASHER, 9/32 X 3/4 X 18 GA ZN -2-
12	491 791 R2	COVER ASSY, BATTERY -GASOLINE ENGINE TRACTORS-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC QUICK DISCONNECT COUPLER ATTACHMENT-



A-81787C

A - FOR USE W/INTERNATIONAL 504, 606, 2504 & 2606 TRACTORS W/ INDEPENDENT SUBFRAME AND INTERNATIONAL 3444 TRACTOR W/AUX VALVES & W/ORW/O HITCH-

B - FOR USE W/INTERNATIONAL 2424 & 2444 TRACTORS W/O POWER STEERING & W/O HITCH-

C - FOR USE W/INTERNATIONAL 2424 & 2444 TRACTORS W/OR W/O POWER STEERING & W/HITCH-

D - FOR USE W/INTERNATIONAL 504, 606, 2504 & 2606 TRACTOR W/LOADER-

E - FOR USE W/INTERNATIONAL 3414 TRACTOR W/HITCH-

F - FOR USE W/INTERNATIONAL 3414 TRACTOR W/O HITCH-

G - FOR USE W/INTERNATIONAL 3514 AND 3616 TRACTOR-

H - FOR USE W/ INTERNATIONAL 3444 TRACTORS W/HITCH & W/O AUX VALVES & W/O DIVERTER VALVE-

J - FOR USE W/ INTERNATIONAL 3444 TRACTORS W/O HITCH & W/O AUX VALVES & W/DIVERTER VALVE-

K - FOR USE W/ INTERNATIONAL 504 606, 2504 & 2606 TRACTORS W/ INDEPENDENT SUBFRAME-

3131 BACKHOE -90- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC QUICK DISCONNECT COUPLER -CONTINUED ATTACHMENT-

-CONTINUED

L - FOR USE W/ INTERNATIONAL 3444 TRACTORS W/HITCH & W/ AUX VALVES & W/O DIVERTER VALVE-

M - FOR USE W/ INTERNATIONAL 3444 TRACTORS W/O HITCH & W/AUX VALVES-

N - FOR USE W/INTERNATIONAL 504 606, 2504, 2606 W/INDEPENDENT SUBFRAME, 500 CRAWLER TRACTOR & 3444 TRACTOR W/AUX VALVES & W/ORW/O HITCH-

P - FOR USE W/3444 TRACTORS W/HITCH & W/AUX VALVES & WITH DIVERTER VALVE-

R - FOR USE WITH 500 C CRAWLER TRACTORS-

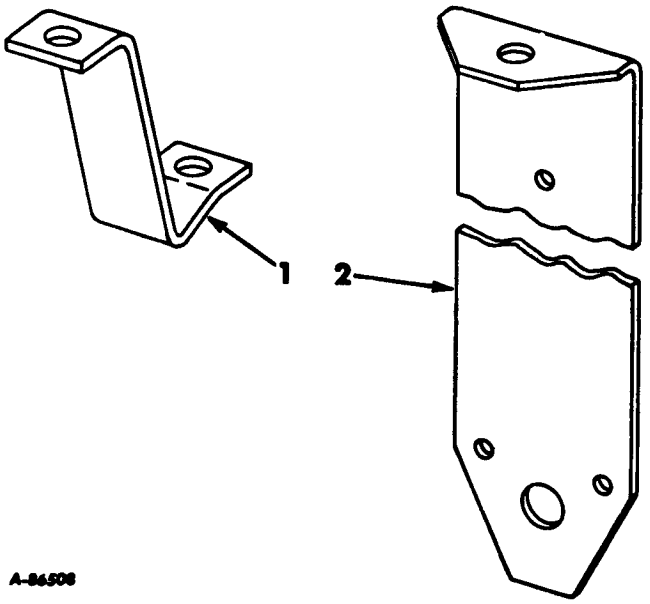
1	480 744 R91	COUPLER ASSY, HYD-SNAP TITE-	-UNITS B, C, G, N & R- -2 FOR UNIT A-
2	480 743 R91	NIPPLE ASSY, HYD -SNAP TITE-	-UNITS B, C, G, N & R- -2 FOR UNIT A-
3	296 247 R1	O-RING, 1-11/64 X 1-13/32 X 7/64	-UNITS B, C, G, H, J & N- -3 FOR UNIT A-
4	480 746 R91	COUPLER ASSY, HYD-SNAP TITE-	-UNITS B, C, G & N-
5	480 745 R91	NIPPLE ASSY, HYD -SNAP TITE-	-UNITS B, C & N-
6	297 459 R1	O-RING, 1-3/64 X 1-9/32 X 1/8	-UNITS B, C, G & N-
7	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED	-UNIT B, C, D, F, G, J, K AND M-
8	364 885 R1	O-RING, 3/4 X 15/16 X 3/32	-UNIT L AND H- -2 FOR UNITS D, E, G & R- -3 FOR UNIT B, C, F, G, K, J, M AND P-
9	395 150 R91	COUPLER ASSY, SELF-SEALING FEMALE	-UNIT B, C, D, F, G, H, J, K, L, M, P & R-
9	395 152 R91	COUPLER ASSY, SELF-SEALING PIPE THD	FEMALE -1 FOR UNIT E-
10	395 151 R1	COUPLER ASSY, SELF-SEALING PIPE THD	MALE -UNIT E, H AND L-
11	395 149 R91	COUPLER ASSY, SELF-SEALING MALE	-2 FOR UNIT B, C, D, F, G, J, K, M AND P-
12	485 313 R1	CONNECTOR, 7/8-14 37 DEG SWIVEL	-UNITS D, F, G, K, M, P & R- -2 FOR UNIT B, C AND J-
12	485 312 R1	CONNECTOR, 1-3/16-12 37 DEG SWIVEL	-UNIT B, C, D, E, F, G, H AND J-
12	481 766 R1	CONNECTOR, 1-5/16-12 37 DEG HYD FLARED	-UNIT B, C, D, E, F, G, H AND J- -2 FOR UNIT K, L, M AND P-
13	444 045	ELBOW, 1/2-14 C-Z AUTO 90 DEG ST.	-UNIT E-
14	485 314 R2	TEE, SWIVEL RUN REDUCER	-UNITS B, C, D, G & K-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC QUICK DISCONNECT COUPLER -CONTINUED ATTACHMENT-	
15	140 537	NIPPLE, 1/2-14 X 2 PIPE -UNIT E-	
15	192 075	NIPPLE, 1/2 X 1-1/2 C-Z PIPE -UNIT H AND L-	
16	477 881 R91	HOSE ASSY, HYD -UNIT D AND K-	
17	9 410 978	ELBOW, 7/8-14 HYD 37 DEG FLARED TUBE ADJ STR-THD 90 DEG -UNITS H, L, P & R-	
18	9 410 285	ELBOW, 1-5/16-12 HYD 37 DEG FLARED TUBE 90 DEG SWIVEL -UNITS H, J & R- -2 FOR UNIT L, M AND P-	
18	9 410 282	ELBOW, 7/8-14 HYD 37 DEG FLARED TUBE 90 DEG SWIVEL -UNIT J AND M-	
19	9 410 207	CONNECTOR, 1-5/16-12 HYD 37 DEG FLARED TUBE SHORT SWIVEL -UNIT H, J, L, M AND P-	
	2 752 936 R1	PRODUCT GRAPHIC, WARNING -BE SURE HYD QUICK COUPLERS ARE PROPERLY CONNECTED BEFORE STARTING ENGINE- -UNITS A, B, C, G & N-	
	481 805 R91	SERVICE KIT, -FOR SNAP TITE COUPLINGS COMPOSED OF- 5 O-RINGS 1 BACK-UP RING -UNITS A, B, C, G & N-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

FLASHING LIGHT BRACKETS



1	394 420 R1	BRACKET, FLASHING LIGHT -FOR USE ON 3414 AND 3444 TRACTORS-
	120 378	NUT, 1/2-20 C-Z HEX.
	180 173	SCREW, 1/2-20 X 1 HEX-HD CAP
	120 389	WASHER, 1/2 X 1-1/4 X .064 C-Z
	120 384	WASHER, 1/2 C-Z MED LOCK
2	485 354 R1	BRACKET, TAIL AND FLASHING LIGHT -FOR USE ON INTERNATIONAL 504, 606, 2424, 2444, 2504 & 2606 TRACTORS-
	392 064 R91	CABLE ASSY, -FOR USE ON INTERNATIONAL 504, 606, 2504 AND 2606 TRACTORS-

3131 BACKHOE -92- SECTION E

REF. NO. PART NUMBER DESCRIPTION BKH-1

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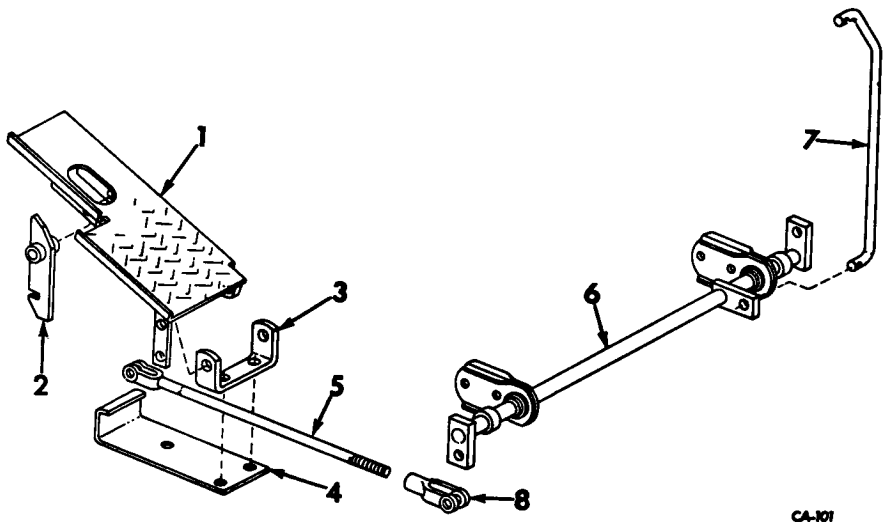
FOOT OPERATED SWING ATTACHMENT
-3800 SERIES TRACTORS-



REF. NO.	PART NUMBER	DESCRIPTION
1	491 821 R1	PEDAL ASSY, FOOT LH
1	491 822 R1	PEDAL ASSY, FOOT RH
2	491 828 R11	LOCK ASSY, PEDAL -2-
	477 299 R1	PIN, 7/16 X 2-1/8 C-Z STD-HD -2-
	18 481 R1	PIN, 3/16 X 1 C-Z COT. -2-
	493 746 R1	PAD, PEDAL LOCK -2-
3	491 829 R1	BRACKET, PEDAL -2-
4	491 830 R1	STRAP, PEDAL LOCK -2-
	180 079	SCREW, 5/16-18 X 1 2ND HEX-HD CAP -4-
	19 286 R1	BOLT, 5/16-18 X 3/4 CDP HEX-HD MACH -2-
	120 214	WASHER, 5/16 C-Z MED LOCK -6-
	120 376	NUT, 5/16-18 C-Z HEX. -6-
Q	3 553	PIN, 1/2 X 5 STD-HD -2-
	120 396	WASHER, 17/32 X 1-1/16 X .074 -2-
	103 407	PIN, 3/16 X 1 COT. -2-
5	491 831 R1	ROD ASSY, FOOT PEDAL -2-
6	491 833 R2	SHAFT ASSY, CROSS
	180 022	SCREW, 1/4-20 X 1 2ND HEX-HD CAP -4-
	120 392	WASHER, 9/32 X 5/8 X .065 C-Z -8-
	120 380	WASHER, 1/4 C-Z MED LOCK -4-
	493 747 R1	NUT, TWIN
7	491 838 R2	ROD, SWING VALVE CONTROL
	120 394	WASHER, 13/32 X 13/16 X .051 -2-
	585 614 R1	PIN, QUICK ATTACHING COTTER -2-
8	148 382	CLEVIS, ADJUSTABLE END -2-
	124 925	NUT, 3/8-24 JAM -2-
	446 548	WASHER, 3/8 X 3/4 X .051 -4-
	138 084	PIN, 3/8 X 1-3/32 STD-HD -4-
	121 222	PIN, 3/32 X 3/4 COT. -4-

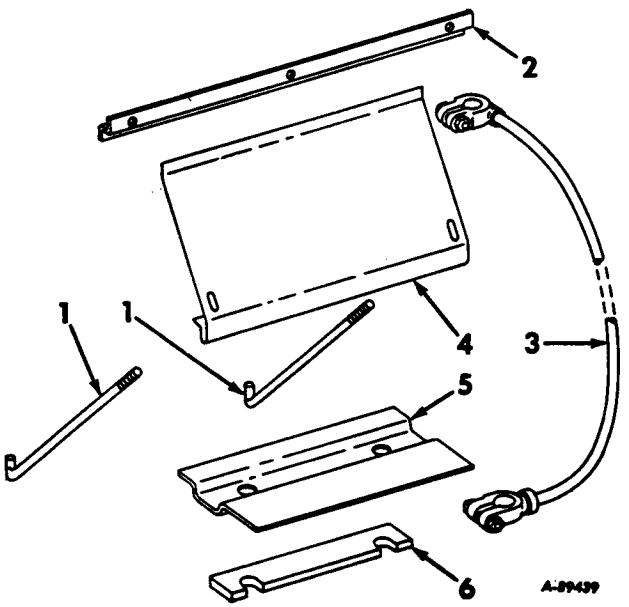
3131 BACKHOE -93- SECTION E
BKH-1

FOOT OPERATED SWING ATTACHMENT -CONTINUED
-3800 SERIES TRACTORS-

PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

BATTERY CONNECTIONS
-INTERNATIONAL 2424 & 2444 DIESEL TRACTORS WITH 2000 OR 2050 LOADER-



1	377 677 R1		ROD, BATTERY HOLD DOWN -2-
	147 577		WASHER, 1/2 X 9/16 X .065 -2-
	103 127		NUT, 1/4-20 WING -2-
2	391 880 R1		STRIP, DIESEL BATTERY RH
	180 016		SCREW, 1/4-20 X 1/2 C-Z HEX-HD CAP -3-
	120 380		WASHER, 1/4 C-Z MED LOCK -3-
	120 375		NUT, 1/4 C-Z HEX. -3-
3	384 974 R91		CABLE ASSY, BATTERY TO BATTERY
	106 266		WASHER, 5/8 -4-
4	388 738 R2		COVER, DIESEL BATTERY W/ BACKHOE -2-
5	392 288 R1		SUPPORT, BATTERY -2-
6	480 966 R1		BAR, FENDER SPACER -2-

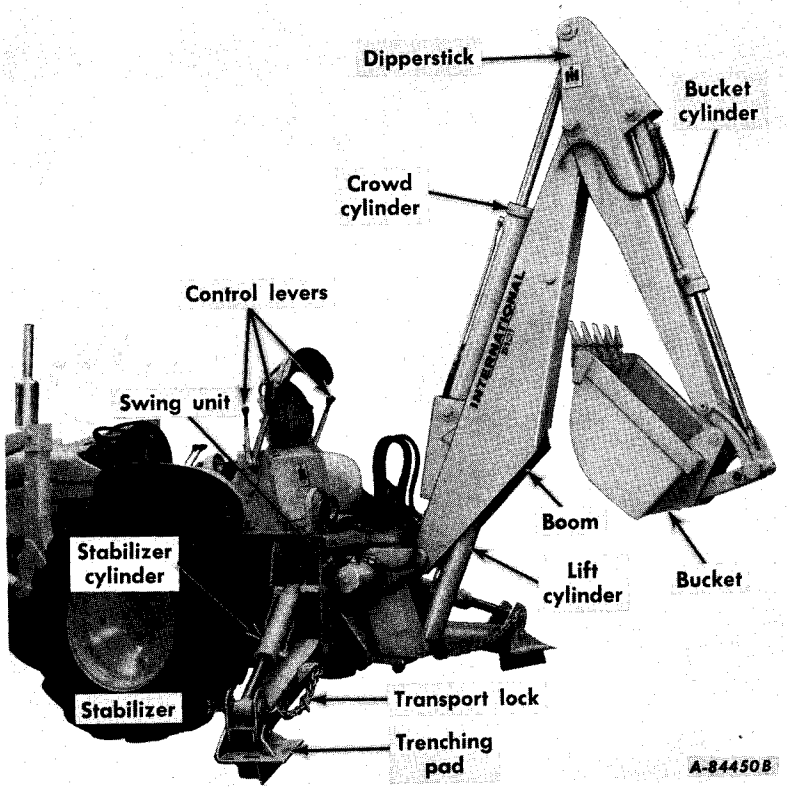
3131 BACKHOE -94- SECTION E

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

PRODUCT GRAPHICS

	484 730 R92		PACKAGE, PRODUCT GRAPHICS, 3131 BACKHOE -CONSISTS OF
2	751 154 R1		$ PRODUCT GRAPHICS, LIFT & CROWD CONTROL INSTRUCTIONS -ON RH VALVE MOUNTING PLATE-
2	752 532 R1		$ PRODUCT GRAPHICS, CONTROL INSTRUCTIONS -ON LH VALVE MOUNTING PLATE-
2	752 531 R1		$ PRODUCT GRAPHICS, CONTROL INSTRUCTIONS -ON VALVE MOUNTING PLATE- -2-
2	753 294 R1		PRODUCT GRAPHIC, MODEL DESIGNATION -2-
2	752 019 R1		PRODUCT GRAPHICS, IH -ON BOTH SIDES AND ON TOP OF DIPPERSTICK- -3-
2	752 300 R1		PRODUCT GRAPHICS, INTERNATIONAL -BOTH SIDES OF BOOM- -2-
2	752 018 R1		PRODUCT GRAPHICS, IH -ON FRONT CONTROL SHROUD-
2	754 177 R1		PRODUCT GRAPHIC, LOCKOUT VALVE
	142 862		SCREW, NO. 4 X 1/4 RD-HD BLUNT METAL -8-

BKH-1



International 3141 Backhoe shown on International 2504 Tractor

INTERNATIONAL 3141 BACKHOE

Built 1965 and Since

INDEX TO UNITS BKH-1

DESCRIPTION	Page
BOOM	7
BRACKETS	
Battery Mounting (For International 504 and 606 Diesel Tractor)	67
Fender	
For International 504, 606, 2504 and 2606 Tractors	16
For International 3414 and 3444 Loader Tractor	13
Flashing Light	69
BUCKET	7
CONTROLS, Hydraulic	20
COUPLER, Quick Disconnect	68
CYLINDERS, Hydraulic	7, 10
DIPPERSTICK	7
FILTER, Oil	53
FLANGE, Pump Mounting (For International 504, 606, 2504 and 2606 Tractors equipped w/2000 or 3000 Loader or Independent Subframe	34
FRAME, Main	5
HYDRAULIC CONNECTIONS	
Basic	28
For International 3414 Loader Tractor with Auxiliary Valve	43
For International 3414 Loader Tractor with Hydraulic Lift	41
For International 3414 Loader Tractor with Hydraulic Lift and Auxiliary Valve	42
For International 3414 Loader Tractor w/o Hydraulic Lift and Auxiliary Valve	45
For International 3514 and 3616 Loader Tractors	37
For International 3514 and 3616 Loader Tractors w/Hydrostatic Transmission	39
For International 3444 Tractors w/Hydraulic Lift and w/Auxiliary Valve	47
For International 3444 Tractors w/o Hydraulic Lift and w/Auxiliary Valve	48
For International 3444 Tractors w/o Hydraulic Lift and w/o Auxiliary Valve	50

DESCRIPTION	Page
HYDRAULIC CONNECTIONS -Continued-	
For International 3444 Tractors w/Hydraulic Lift and w/o Auxiliary Valve	52
LIGHTING EQUIPMENT	66
PACKAGES, Completing (Field Application)	
Lift Cylinder, 4-1/2 In.	11
Relief Valves	13
Subframe Bolts	13
PADS	5
PLATES, Ripper Mounting	
For T7, TD7, TD8, 100C and 125C Crawler Tractors	18
PRODUCT GRAPHICS	71
PUMP AND POWER SUPPLY CONNECTIONS	
For International 500 Crawler Tractors W/External Filter	31
For International 500C Crawler Tractors	32
For T7, TD7, TD8, 100C and and 125C Crawler Tractors	33
For International 504, 606, 2504, and 2606 Tractors	30
For International 504, 606, 2504, and 2606 Tractors w/o Loaders	30
For International 504, 606, 2504, and 2606 Tractors equipped w/2000 or 3000 Loader or Independent Subframe	29
PUMPS, Hydraulic Gear	
Cessna 7 GPM	65
Thompson 7 GPM	64
SEAT	19
STABILIZER	5
SUBFRAMES	
For International 504, 606, 2504, and 2606 Tractors	16
For International 3414 and 3444 Loader Tractors	13
For International 3514 and 3616 Loader Tractors	17
For 500 Crawler Tractor W/3050 Loader, 5-G2, 10 or 11 Bullgrader	14
For International 504, 606, 2504, and 2606 Tractors w/o Loader	12

INDEX TO UNITS - Continued

BKH-1

DESCRIPTION	Page
SUPPORT, Seat	
For International 504, 2504, 606 2606 Tractors, 3414 Loader Tractor, and 500 Crawler Tractor	19
For International 3514 and 3616 Loader Tractors	17
SWING ATTACHMENT, Foot Operated	70
SWING MECHANISM	35
TRAY, Battery (For 3414 and 3444 Loader Tractors)	67
TUBES, Hydraulic	26
VALVES	
Control	
All except Crawler Tractors	23
For 500C Crawler Tractors	24
For T7, TD7, TD8, 100C and 125C Crawler Tractors	25
Check	
Lever Operated	55, 56, 58
Stabilizer	54, 59
Diverter	
For International 504, 606, 2504 and 2606 Tractors	53
For International 3414, 3444, 3514 and 3616 Loader Tractors	54
Loader	22

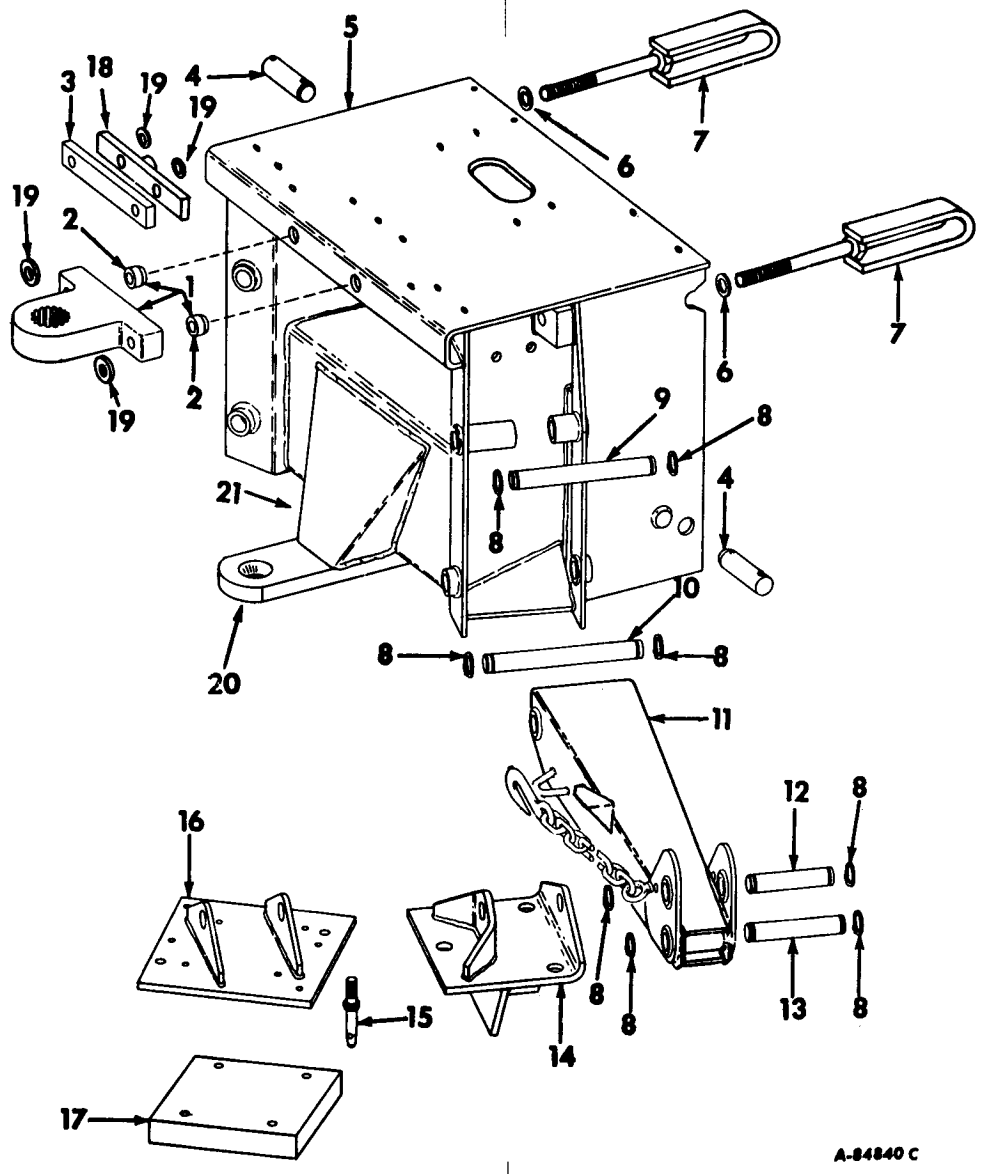
DESCRIPTION	Page
VALVES - Continued	
Pilot Relief	63
Four Position Control	60
Three Position Control	62
WEIGHT, Bucket	67

DIAGRAMS, Hydraulic ..... Refer to Introduction Pages XIII thru XVIII

BKH-1

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

MAIN FRAME, STABILIZER & PADS



A-84840 C

1	468 389 R21	MOUNT W/PILOTS, TOP SWING
	19 925 R1	NUT, 7/8-9 HEX. -2-
	21 021 R1	SCREW, 7/8-9 X 5-1/2 HEX-HD CAP -2-
2	469 118 R1	PILOT, TOP SWING MOUNT -2-
3	468 388 R2	BAR, BACKUP TOP SWING MOUNT
4	468 639 R1	PIN, MAIN FRAME LOCKING -2-
	520 174 R1	PIN, QUICK ATTACHING COT. -4-

3141 BACKHOE -5- SECTION F

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

MAIN FRAME, STABILIZER & PADS -CONTINUED

5	481 688 R91	FRAME ASSY, BACKHOE MAIN
5	492 573 R2	FRAME ASSY, BACKHOE MAIN -FOR T7, TD-7, TD-8, 100C, 125C AND 500C CRAWLER TRACTORS-
6	470 459 R1	WASHER, 1-1/16 X 2 X 10 GA -SPECIAL- -2- -NOT USED FOR CRAWLER TRACTORS-
7	473 651 R92	BOLT ASSY, MAIN FRAME MOUNTING EYE -2-
	220 088	NUT, 1-8 C-Z HEX. -2-
	426 899	NUT, 1-8 C-Z HEX. JAM -2-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		MAIN FRAME, STABILIZER & PADS -CONTINUED	
7	540 966 R1	LUG, MAIN FRAME MTG -2-	
		-FOR T7, TD-7, TD-8, 100C, 125C AND 500C CRAWLER TRACTORS-	
	21 305 R1	SCREW, 1/8 x 3-1/2 HEX-HD CAP TYPE 4 -2-	
8	468 283 R1	RING, EXTERNAL RETAINING -16-	
9	468 638 R2	PIN, STABILIZER TO CYL MAIN FRAME -2-	
10	468 635 R2	PIN, STABILIZER TO MAIN FRAME -2-	
11	468 655 R14	STABILIZER ASSY, BACKHOE LEFT	
11	468 656 R14	STABILEZER ASSY, BACKHOE RIGHT	
12	468 637 R1	PIN, STABILIZER TO CYL -2-	
13	468 636 R1	PIN, STABILIZER TO PAD ASSY -2-	
14	468 392 R11	PAD ASSY, BACKHOE STABILIZER TRENCHING -2-	
15	525 921 R1	PIN, HITCH -FOR SOD PAD- -8-	
		-1965 TO 1969-	
	426 767	NUT, 7/8-14 C-Z HEX. -8-	
	131 047	WASHER, 7/8 C-Z MED LOCK -8-	
16	469 103 R91	PAD ASSY, LEFT STABILIZER SOD -SPECIAL-	
		-1965 TO 1969-	
16	469 104 R91	PAD ASSY, RIGHT STABILIZER SOD	
		-SPECIAL- -1965 TO 1969-	
16	545 742 R1	PLATE ASSY, BASE -2-	
		-FOR 500 C CRAWLER TRACTORS-	
	271 783	SCREW, 3/4-10 X 5 ZND HEX-HD CAP	
	21 101 R1	WASHER, .781 X 2.25 X 11 GA -6-	
	220 086	NUT, 3/4-10 ZND HEX. -6-	
17	469 108 R2	PAD, STABILIZER STREET -2-	
		-1965 TO 1969-	
	18 733 R1	BOLT, 3/4-10 X 2-1/2 C-Z CRG -8-	
	131 046	WASHER, 3/4 C-Z MED LOCK -8-	
	220 086	NUT, 3/4-10 C-Z HEX. -8-	
17	544 015 R1	PAD ASSY, STREET -2-	
		-FOR 500 C CRAWLER TRACTORS-	
	271 769	SCREW, 3/4-10 X 1-3/4 ZND HEX-HD CAP -8-	
	131 046	WASHER, 3/4 ZND MED LOCK -8-	
	220 086	NUT, 3/4-10 ZND HEX. -8-	
18	484 483 R1	BAR, BACK-UP OUTER TOP SWING MOUNT	
19	384 697 R1	WASHER, .906 X 1.75 X .164 -4-	
20	468 380 R1	PLATE, MAIN FRAME SWING MOUNT	
21	468 378 R1	GUSSET, MAIN FRAME SWING MOUNT	

3141 BACKHOE -6- SECTION F

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

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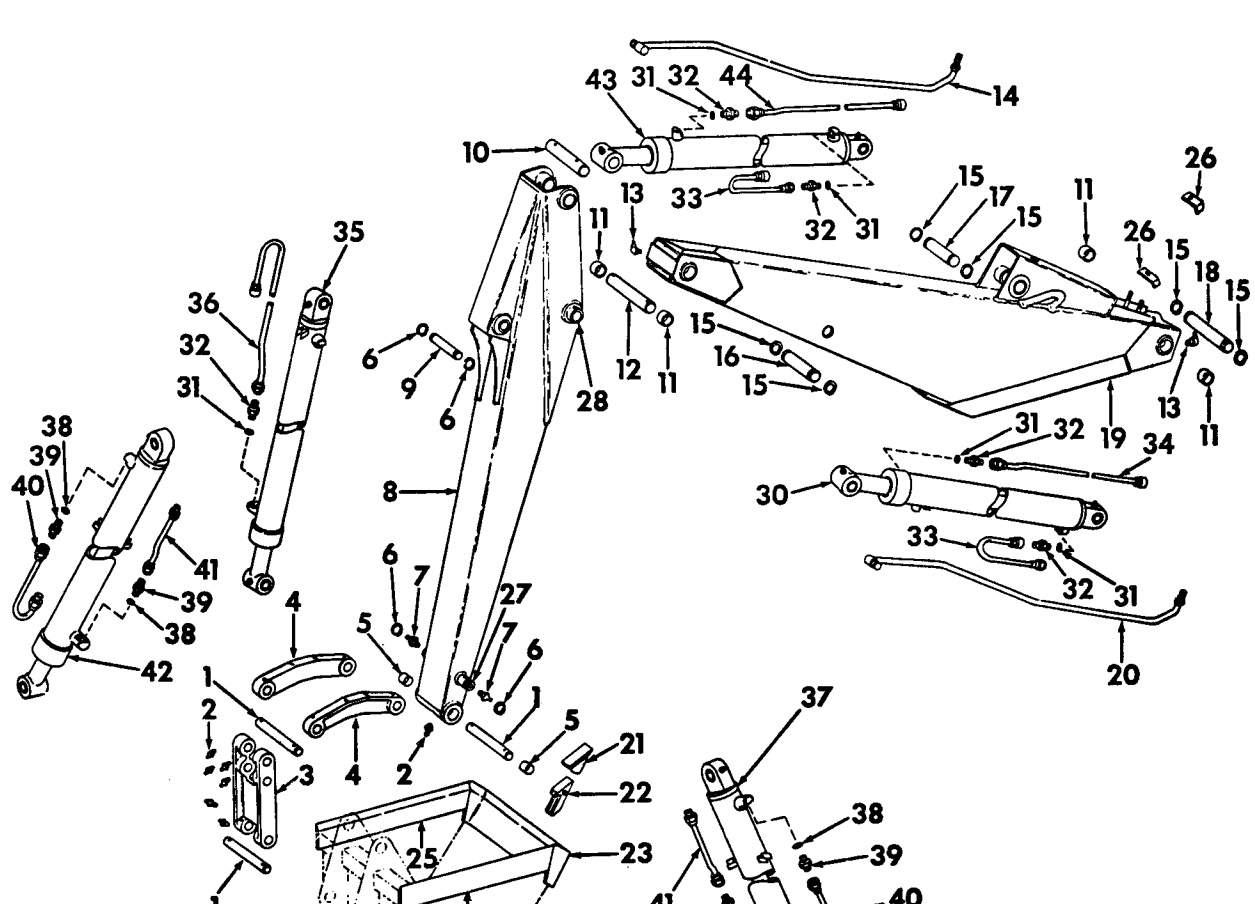
BOOM, BUCKET, DIPPERSTICK, HYDRAULIC CYLINDERS & CONNECTIONS



REF. NO.	PART NUMBER	DESCRIPTION
1	468 284 R3	PIN, REAR BUCKET LINK -3-
	187 988	PIN, 3/16 X 1-1/4 C-Z COT. -4-
	472 712 R1	PIN, 1/2 X 3-9/16 STD-HD -4-
2	109 461	FITTING, 1/8-27 PTF STR LUB -7-
3	468 289 R1	LINK, REAR BUCKET
4	468 285 R2	LINK, FORWARD BUCKET LEFT
4	493 398 R1	LINK, FORWARD BUCKET RIGHT
	187 988	PIN, 3/16 X 1-1/4 C-Z COT. -2-
	472 712 R1	PIN, 1/2 X 3-9/16 STD-HD -2-
5	468 280 R1	BUSHING, LINK PIVOT -2-
6	468 283 R1	RING, BUCKET LINK PIVOT SHAFT EXT SNAP -4-
7	109 461	FITTING, 1/8-27 PTF STR LUB -2- -BUCKET LINK PIVOT SHAFT-
8	472 783 R94	DIPPERSTICK W/BUSHINGS, 14-1/2 FT BACKHOE

3141 BACKHOE -7- SECTION F
BKH-1

BOOM, BUCKET, DIPPERSTICK, HYDRAULIC -CONTINUED CYLINDERS & CONNECTIONS

REF. NO.	PART NUMBER	DESCRIPTION
9	468 282 R1	PIN, BUCKET CYLINDER TO DIPPERSTICK
10	468 288 R1	PIN, DIPPERSTICK TO CROWD CYLINDER
	187 988	PIN, 3/16 X 1-1/4 C-Z COT. -2-
	472 714 R1	PIN, 1/2 X 3-3/8 STD-HD -2-
11	468 366 R1	BUSHING, BOOM PIVOT CARRIER -4-
12	468 287 R1	PIN, BOOM PIVOT
	187 988	PIN, 3/16 X 1-1/4 C-Z COT. -2-
	472 712 R1	PIN, 1/2 X 3-9/16 STD-HD -2-
	625 688 R1	WASHER, 2-1/32 X 3 X 16 GA -AS REQUIRED-
13	109 462	FITTING, 1/8-90 DEG ELBOW LUB -2- -BOOM PIVOT CARRIER-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		BOOM, BUCKET, DIPPERSTICK, HYDRAULIC -CONTINUED CYLINDERS & CONNECTIONS	
14	472 781 R11	TUBE ASSY, 14-1/2 FT BACKHOE BOOM LH	
	9 403 295	NUT, 7/8-14 C-Z BULKHEAD UNION LOCK -2-	
	9 403 298	NUT, 1-5/16-12 C-Z BULKHEAD UNION LOCK -2-	
	138 566	WASHER, 7/8 C-Z INTERNAL TOOTH LOCK -2-	
	471 961 R1	WASHER, 1-5/16 C-Z INTERNAL TOOTH LOCK -2-	
15	468 371 R1	RING, EXTERNAL RETAINING -6-	
16	468 367 R1	PIN, BOOM CYLINDER UPPER	
17	468 369 R1	PIN, SHROUD	
18	468 368 R1	PIN, BOOM TO SWING MECHANISM	
	625 688 R1	WASHER, 2-1/32 X 3 X 16 GA -AS REQUIRED-	
19	472 778 R93	BOOM W/BUSHINGS 14-1/2 FT BACKHOE	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
20	472 782 R11	TUBE ASSY, 14-1/2 FT BACKHOE BOOM RH	
	9 403 295	NUT, 7/8-14 C-Z BULKHEAD UNION LOCK -2-	
	9 403 298	NUT, 1-5/16-12 C-Z BULKHEAD UNION LOCK -2-	
	138 566	WASHER, 7/8 C-Z INT-TOOTH LOCK -2-	
	471 961 R1	WASHER, 1-5/16 C-Z INT-TOOTH LOCK -2-	
21	468 733 R1	TOOTH, POINT -3 USED FOR 12 IN., 4 USED FOR 16, 18 AND 20 IN., 5 USED FOR 22, 24 AND 26 IN., 6 USED FOR 28, 30 AND 32 IN. AND 7 USED FOR 34 AND 36 IN. BUCKET-	
21	485 353 R1	POINT, TOOTH -HEAVY DUTY -4 USED FOR 16 AND 20 IN., 5 USED FOR 22 AND 26 IN., 6 USED FOR 28, 30 AND 32 IN., 7 USED FOR 34 IN.-	
21	470 242 R1	TOOTH, POINT -SPECIAL FOR MOLES PAW TYPE BUCKET- -4 USED FOR 18 IN., 5 USED FOR 24 IN.-	
21	486 913 R1	POINT, LOCK PIN TOOTH -4-	
	486 914 R1	PIN, TOOTH LOCKPIN -4 USED 24 IN. HEAVY DUTY BUCKET- -5 USED 30 IN. HEAVY DUTY BUCKET AND 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET- -6 USED 36 IN. HEAVY DUTY BUCKET-	
21	544 872 R1	POINT, WIDE TOOTH -AS REQUIRED-	
22	468 314 R1	SHANK, TOOTH -3 USED FOR 12 IN., 4 USED FOR 16, 18 AND 20 IN., 5 USED FOR 22, 24 AND 26 IN., 6 USED FOR 28, 30 AND 32 IN. AND 7 USED FOR 34 AND 36 IN. BUCKET-	
22	471 547 R1	SHANK, POINT - SPECIAL FOR MOLES PAW TYPE BUCKET- -4 USED FOR 18 IN., 5 USED FOR 24 IN.-	
22	486 912 R1	SHANK, LOCK PIN TOOTH -4- -4 USED 24 IN. HEAVY DUTY BUCKET- -5 USED 30 IN. HEAVY DUTY BUCKET AND 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET- -6 USED 36 IN. HEAVY DUTY BUCKET-	
23	468 764 R1	BLADE, FRONT CUTTING -FOR 12 IN. BUCKET-	
23	483 615 R1	BLADE, FRONT CUTTING -FOR 16 IN. BUCKET-	
23	468 758 R1	BLADE, FRONT CUTTING -FOR 18 IN. BUCKET-	

3141 BACKHOE -8- SECTION F

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		BOOM, BUCKET, DIPPERSTICK, HYDRAULIC -CONTINUED CYLINDERS & CONNECTIONS	
23	480 804 R1	BLADE, FRONT CUTTING -FOR 18 IN. BELL-HOLE BUCKET-	
23	483 621 R1	BLADE, FRONT CUTTING -FOR 20 IN. BUCKET-	
23	483 627 R1	BLADE, FRONT CUTTING -FOR 22 IN. BUCKET-	
23	468 310 R1	BLADE, FRONT CUTTING -FOR 24 IN. BUCKET-	
23	486 919 R1	BLADE, FRONT CUTTING -FOR 24 IN. HIGH CAPACITY HEAVY DUTY AND HEAVY DUTY BUCKET-	
23	480 805 R1	BLADE, FRONT CUTTING -FOR 24 IN. BELL-HOLE BUCKET-	
23	483 633 R1	BLADE, FRONT CUTTING -FOR 26 IN. BUCKET-	
23	483 639 R1	BLADE, FRONT CUTTING -FOR 28 IN. BUCKET-	
23	472 975 R1	BLADE, FRONT CUTTING -FOR 30 IN. BUCKET-	
23	486 928 R1	BLADE, FRONT CUTTING -FOR 30 IN. HEAVY DUTY BUCKET-	
23	483 651 R1	BLADE, FRONT CUTTING -FOR 32 IN. BUCKET-	
23	483 657 R1	BLADE, FRONT CUTTING -FOR 34 IN. BUCKET-	
23	468 770 R1	BLADE, FRONT CUTTING -FOR 36 IN. BUCKET-	
23	480 590 R1	BLADE, FRONT CUTTING -FOR 36 IN. TRENCHING BUCKET-	
23	486 933 R1	BLADE, FRONT CUTTING -FOR 36 IN. HEAVY DUTY BUCKET-	
24	468 313 R1	BAR, RIGHT SIDE CUTTING -FOR 16, 18, 20, 22, 24, 26, 28, 32 AND 34 IN. BUCKET-	
24	486 922 R1	BAR, RIGHT SIDE CUTTING -FOR 24, 30, AND 36 IN. HEAVY DUTY BUCKET-	
24	490 096 R1	BAR, RIGHT SIDE CUTTING -FOR 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET-	
25	468 312 R1	BAR, LEFT SIDE CUTTING -FOR 16, 18, 20, 22, 24, 26, 28, 32 AND 34 IN. BUCKET-	
25	486 921 R1	BAR, LEFT SIDE CUTTING -FOR 24, 30 AND 36 IN. HEAVY DUTY BUCKET-	
25	490 095 R1	BAR, LEFT SIDE CUTTING -FOR 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET-	
26	486 477 R1	CLAMP, HYD. TUBE -2-	
27	468 281 R1	SHAFT, BUCKET LINK PIVOT	
28	468 277 R1	BOSS, BOOM TO DIPPERSTICK -2- -ALSO PART OF DIPPERSTICK ASSY-	
29		BUCKET -SERVICED ONLY AS A MACHINE ATTACHMENT-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		BOOM, BUCKET, DIPPERSTICK, HYDRAULIC -CONTINUED	
		CYLINDERS & CONNECTIONS	
30	385 616 R92	CYLINDER ASSY, 4 X 33.75 -FOR LIFT- -DOUBLE ACTION- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
30	399 707 R91	CYLINDER ASSY, 4-1/2 X 33.7 -FOR LIFT- -DOUBLE ACTION- -HIGH CAPACITY- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS- -ALSO REFER TO FIELD CONVERSION PACKAGE, 488 819 R91 -	
31	364 885 R1	O-RING, 5/8 OD TUBE -5-	
32	9 410 204	CONNECTOR, 7/8-14 37 DEG FLARED SHORT SWIVEL -FOR 5/8 TUBE- -5-	
33	481 694 R11	TUBE ASSY, CROWD AND LIFT CYLINDER HEAD END -2-	
34	481 693 R11	TUBE ASSY, LIFT CYLINDER ROD END	
35	385 609 R93	CYLINDER ASSY, 3-1/2 X 27 -FOR BUCKET- -DOUBLE ACTION- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
36	474 284 R11	TUBE ASSY, BUCKET CYLINDER RETURN	
37	385 613 R92	CYLINDER ASSY, 3-1/2 X 18.19 -FOR RIGHT STABILIZER- -DOUBLE ACTION- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
38	570 828 R1	O-RING, 1/2 OD TUBE -4-	
39	9 410 203	CONNECTOR, 3/4-16 37 DEG FLARED SHORT SWIVEL -4-	
40	474 285 R11	TUBE ASSY, STABILIZER CYLINDER FRONT -2-	
41	474 286 R11	TUBE ASSY, STABILIZER CYLINDER REAR -2-	
42	385 612 R92	CYLINDER ASSY, 3-1/2 X 18.19 -FOR LEFT STABILIZER- -DOUBLE ACTION- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
43	385 620 R92	CYLINDER ASSY, 4 X 39.5 -FOR CROWD- -DOUBLE ACTION- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
44	481 692 R11	TUBE ASSY, CROWD CYLINDER ROD END	
45	468 316 R1	BOSS, PIVOT BRACKET -4-	

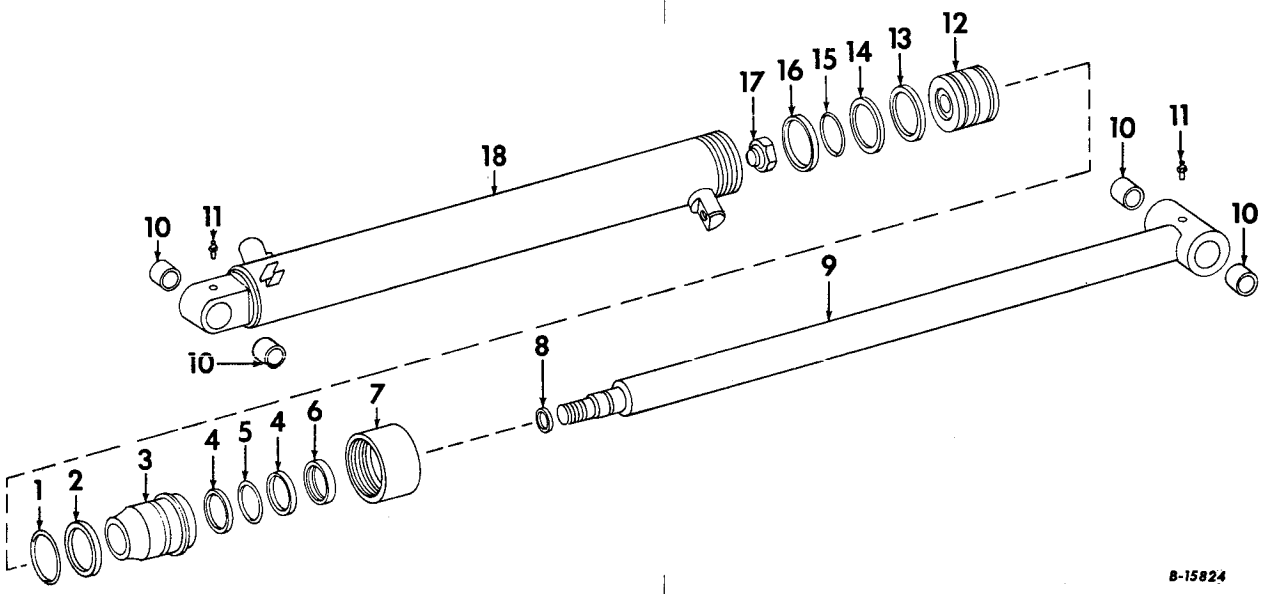
3141 BACKHOE -9- SECTION F

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 9

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CYLINDERS



REF. NO.	PART NUMBER	DESCRIPTION
	385 612 R92	CYLINDER ASSY, 3-1/2 X 18.19 -FOR LEFT STABILIZER- -DOUBLE ACTION- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT A-
	385 613 R92	CYLINDER ASSY, 3-1/2 X 18.19 -FOR RIGHT STABILIZER- -DOUBLE ACTION- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT B-
	385 616 R92	CYLINDER ASSY, 4 X 33.75 -FOR LIFT- -DOUBLE ACTION- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT C-
	385 609 R93	CYLINDER ASSY, 3-1/2 X 27 -FOR BUCKET- -DOUBLE ACTION- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT D-
	385 620 R92	CYLINDER ASSY, 4 X 39.5 -FOR CROWD- -DOUBLE ACTION- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT E-
	399 707 R91	CYLINDER ASSY, 4-1/2 X 33.7 -FOR LIFT- -DOUBLE ACTION- -HIGH CAPACITY- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT F-
1	352 216 R1	O-RING, 3/1/8 X 3-1/2 X 3/16 -FRONT HEAD- -UNIT A, B AND D-
1	347 801 R1	O-RING, 3/5/8 X 4 X 3/16 -FRONT HEAD- UNIT C AND E-
1	347 914 R1	O-RING, 4-1/8 X 4-1/2 X 3/16 -FRONT HEAD- -UNIT F-
2	381 088 R1	WASHER, FRONT HEAD BACK-UP -UNIT A, B AND D-
2	381 107 R1	WASHER, FRONT HEAD BACK-UP -UNIT C & E-
2	399 717 R1	WASHER, FRONT HEAD BACK-UP -UNIT F-

3141 BACKHOE -10- SECTION F

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CYLINDERS -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
3	381 080 R1	HEAD, FRONT -UNIT A, B AND D-
3	381 106 R1	HEAD, FRONT -UNIT C AND E-
3	399 714 R1	HEAD, FRONT -UNIT F-
4	381 083 R2	WASHER, PISTON ROD BACK-UP -2- -UNIT A, B, C, D AND E-
4	399 716 R2	WASHER, PISTON ROD BACK-UP -2 FOR UNIT F-
5	398 978 R1	QUAD RING, PISTON ROD -UNIT A, B, C, D AND E-
5	399 715 R1	QUAD RING, PISTON ROD -UNIT F-
6	619 072 C91	WIPER, PISTON ROD -WILL WORK FOR 327 219 R91- -UNIT A, B, C, D AND E-
6	619 069 C91	WIPER, PISTON ROD -UNIT F- -WILL WORK FOR 174 686 H1-
7	381 089 R1	RING, FRONT HEAD RETAINING -UNIT A, B AND D-
7	381 111 R1	RING, FRONT HEAD RETAINING -UNIT C & E-
7	399 721 R1	RING, FRONT HEAD RETAINER -UNIT F-
8	252 483 R1	O-RING, 1-1/4 X 1-1/2 X 1/8 -PISTON ROD- -UNIT A, B AND D-
8	293 739 R1	O-RING, 1-3/8 X 1-5/8 X 1/8 -PISTON ROD- -UNIT C AND E-
8	382 432 R1	O-RING, 2 X 2-1/4 X 1/8 - PISTON ROD -UNIT F-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	HYDRAULIC CYLINDERS -CONTINUED		
9	381 097 R31	ROD W/BUSHING, PISTON -UNIT A AND B-	
9	384 254 R21	ROD W/BUSHING, PISTON -UNIT C-	
9	381 078 R31	ROD W/BUSHING, PISTON -UNIT D-	
9	384 816 R21	ROD W/BUSHING, PISTON -UNIT E-	
9	399 713 R11	ROD W/BUSHING, PISTON -UNIT F-	
10	468 280 R1	BUSHING -UNIT A, B AND D- -4-	
10	468 366 R1	BUSHING -UNIT C & E- -4-	
10	399 711 R1	BUSHING -2 FOR UNIT F-	
11	109 461	FITTING, 1/8-27 PTF STR LUB -2 FOR UNIT A, B & F- -1 FOR UNIT C, D & E-	
11	271 283	FITTING, 1/8-27 PTF 45 DEG ANGLE LUB -1 FOR UNIT C & D-	
11	126 152	FITTING, 1/8-27 PTF 45 DEG ANGLE LUB -UNIT E AND F-	
12	381 084 R2	PISTON -UNIT A, B AND D-	
12	384 255 R1	PISTON -UNIT C AND E-	
12	399 718 R1	PISTON -UNIT F-	
13	383 005 R1	RING, PISTON BEARING -FRONT -UNIT A, B AND D- -WILL WORK FOR 381 085 R1-	
13	383 006 R1	RING, PISTON BEARING - FRONT -UNIT C AND E- -WILL WORK FOR 381 112 R1-	
13	399 719 R1	RING, PISTON BEARING -2- -UNIT F-	
14	381 086 R1	SEAL, PISTON -UNIT A, B AND D-	
14	381 110 R1	SEAL, PISTON -UNIT C AND E-	
14	468 340 R1	RING, PISTON SEAL -UNIT F-	
15	380 910 R1	O-RING, 3 X 3-3/16 X 3/32 -PISTON SEAL- -UNIT A, B AND D-	
15	381 109 R1	O-RING, 3-1/2 X 3-11/16 X 3/32 -PISTON SEAL -UNIT C AND E-	
15	468 339 R1	O-RING, 4 X 4-1/4 X 1/8 - PISTON SEAL -UNIT F-	
16	383 005 R1	RING, PISTON BEARING REAR -UNIT A, B AND D-	
16	383 006 R1	RING, PISTON BEARING REAR -UNIT C AND E-	
16	399 720 R1	RETAINER, PISTON -2- -UNIT F-	
	21 574 R1	RING, RETAINER -UNIT F-	
17	20 251 R1	NUT, 1-1/8-12 C-Z CONELOK -UNIT A, B AND D-	
17	20 769 R1	NUT, 1-1/2 UNF C-Z LOCK -UNIT C AND E-	
18	385 614 R91	CYLINDER W/BUSHING, HYD LH -UNIT A-	
18	385 615 R91	CYLINDER W/BUSHING, HYD RH -UNIT B-	
18	385 617 R91	CYLINDER W/BUSHING, HYD -UNIT C-	
18	385 610 R91	CYLINDER W/BUSHING, HYD -UNIT D-	
18	385 621 R91	CYLINDER W/BUSHING, HYD -UNIT E-	
18	399 708 R91	CYLINDER W/BUSHING, HYD -UNIT F-	

3141 BACKHOE -11- SECTION F

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	HYDRAULIC CYLINDERS -CONTINUED		
	471 267 R94	PACKAGE, HYD CYL SERVICE -UNIT A, B AND D-	
		CONSISTS OF -	
		1 O-RING 252 483 R1	
		1 O-RING 352 216 R1	
		1 O-RING 380 910 R1	
		1 QUAD-RING 398 978 R1	
		2 RING 383 005 R1	
		1 SEAL 381 086 R1	
		2 WASHER 381 083 R2	
		1 WASHER 381 088 R1	
		1 WIPER 619 072 C91	
	471 266 R95	PACKAGE, HYD CYL SERVICE -UNIT C AND E-	
		CONSISTS OF-	
		1 O-RING 252 483 R1	
		1 O-RING 347 801 R1	
		1 QUAD-RING 398 978 R1	
		1 O-RING 381 109 R1	
		1 O-RING 293 739 R1	
		2 RING 383 006 R91	
		1 SEAL 381 110 R1	
		2 WASHER 381 083 R2	
		1 WASHER 381 107 R1	
		1 WIPER 619 072 C91	
	400 656 R92	PACKAGE, HYD CYL SERVICE -UNIT F-	
		CONSISTS OF-	
		1 O-RING 347 914 R1	
		1 O-RING 382 432 R1	
		1 O-RING 399 721 R1	
		1 O-RING 468 339 R1	
		1 QUAD-RING 399 715 R1	
		2 RING 399 719 R1	
		1 SEAL 468 340 R1	
		1 WASHER 399 716 R2	
		1 WASHER 399 717 R1	
		1 WIPER 619 069 C91	
	488 819 R91	PACKAGE, LIFT CYLINDER FIELD CONVERSION	
	399 707 R91	CYLINDER ASSY, 4-1/2 X 33.7 - FOR LIFT- -DOUBLE ACTION- -HIGH CAPACITY- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
	488 806 R1	TUBE ASSY, ROD END LIFT CYLINDER	
9	410 204	CONNECTOR, 7/8 - 14 37 DEG HYD FLARED TUBE SHORT SWIVEL -2-	
	364 885 R1	O-RING, 5/8 OD TUBE -2-	
	481 694 R11	TUBE ASSY, LIFT CYLINDER HEAD END	

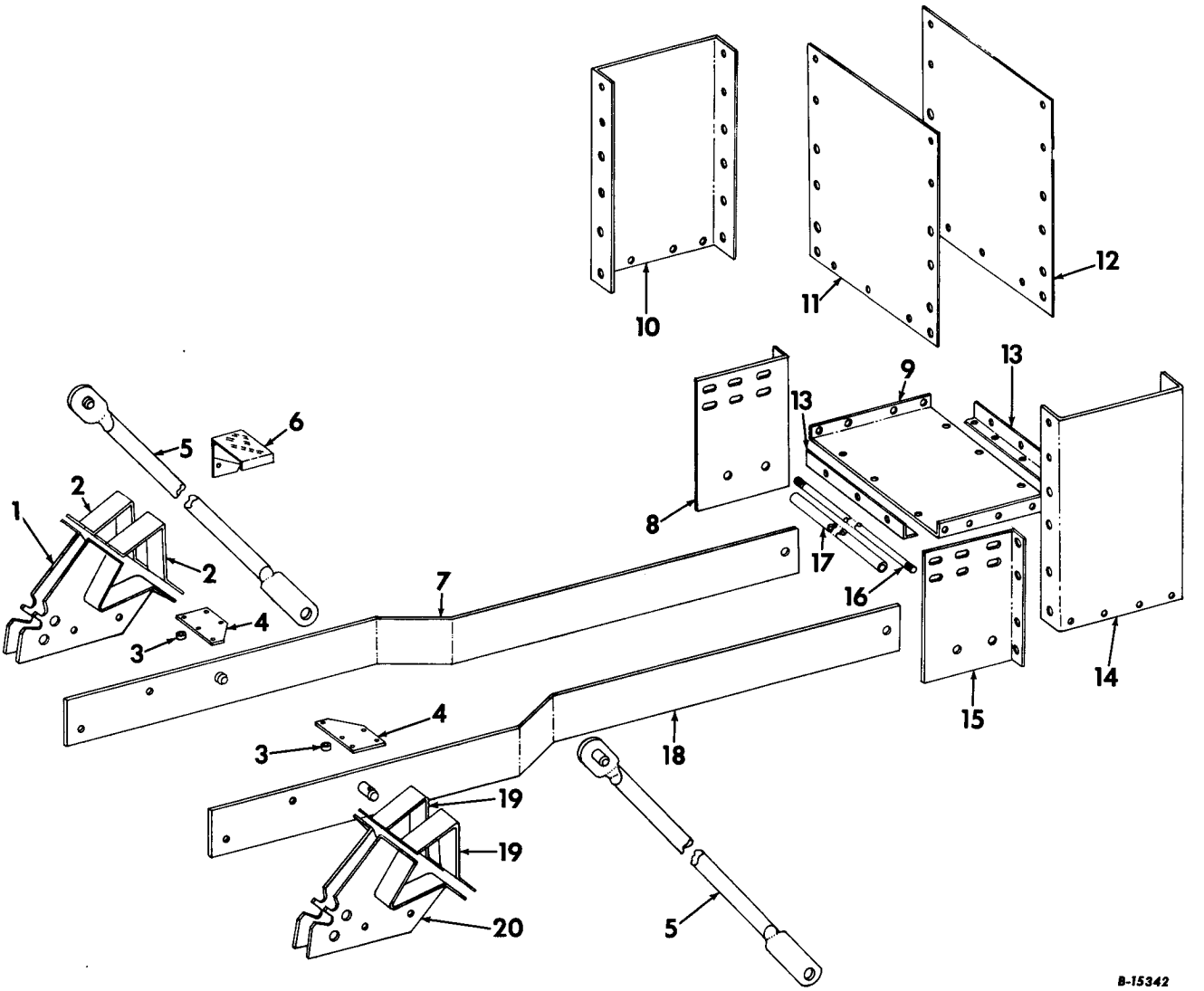
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

INDEPENDENT SUBFRAME W/WEIGHT BOX -FOR USE ON I-504, I-606, I-2504 & I-2606 TRACTOR-

3141 BACKHOE -12- SECTION F

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

INDEPENDENT SUBFRAME W/WEIGHT BOX -FOR USE ON I-504, I-606, I-2504 & I-2606 TRACTOR- -CONTINUED



1	479 028 R91	BRACKET ASSY, MOUNTING LH	
2	479 043 R1	BRACKET, AXLE MOUNTING LH -2-	
	220 088	NUT, 1-8 C-Z HEX. -4-	
	271 857	SCREW, 1-8 X 2-1/2 C-Z HEX-HD CAP -4-	
3	237 614 R1	SPACER, FENDER BRACKET -2-	
4	469 549 R1	BRACKET, FENDER -2-	
	180 174	SCREW, 1/2 X 1-1/8 C-Z HEX-HD CAP -4-	
5	469 181 R11	SUPPORT ASSY, MAIN FRAME -2-	
6	470 455 R11	STEP ASSY, TRACTOR TO BACKHOE	
	120 377	NUT, 3/8 C-Z HEX. -4-	
	180 120	SCREW, 3/8 X 3/4 C-Z HEX-HD CAP -4-	
	120 382	WASHER, 3/8 C-Z LOCK -4-	
	446 470	WASHER, 3/8 X 1-1/8 X 16 GA C-Z -4-	
7	479 026 R11	BAR ASSY, SUB FRAME LH	
	220 088	NUT, 1-8 C-Z HEX. -2-	
	137 303	PIN, 1/4 X 2-1/4 C-Z COT.	
	271 860	SCREW, 1-8 X 3-1/4 C-Z HEX-HD CAP -2-	
	551 183 R1	WASHER, 17/32 X 2-1/2 X 16 GA	
8	479 034 R1	PLATE, FRONT MOUNTING LH	
9	479 039 R1	CHANNEL, WEIGHT BOX BOTTOM	
10	479 037 R1	CHANNEL, WEIGHT BOX SIDE LH	

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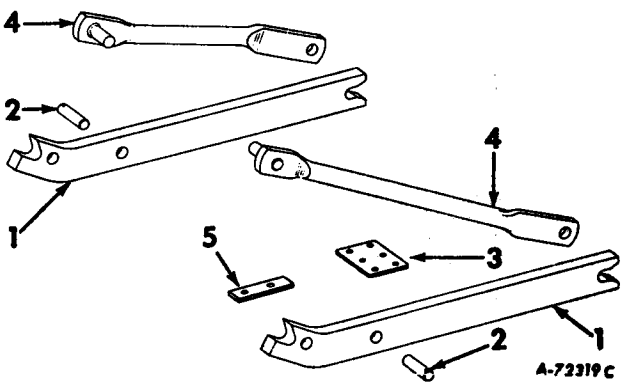
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		INDEPENDENT SUBFRAME W/WEIGHT BOX -FOR USE ON I-504, I-606, I-2504 & I-2606 TRACTOR-	-CONTINUED
11	479 033 R1	PLATE, WEIGHT BOX	
12	479 036 R1	PLATE, WEIGHT BOX FRONT	
13	479 040 R1	ANGLE, WEIGHT BOX -2-	
	17 448 R1	BOLT, 1/2 X 1-1/4 HEX-HD MACH -28-	
	17 473 R1	BOLT, 1/2 X 1-1/2 HEX-HD MACH -8-	
	220 086	NUT, 3/4-10 C-Z HEX. -8-	
	102 637	NUT, 1/2 HEX. -36-	
	271 771	SCREW, 3/4-10 X 2 C-Z HEX-HD CAP -6-	
	271 772	SCREW, 3/4-10 X 2-1/4 C-Z HEX-HD CAP -2-	
	103 323	WASHER, 1/2 MED LOCK -36-	
	16 038 R1	WASHER, 17/32 X 1 X 11 GA -12-	
14	479 038 R1	CHANNEL, WEIGHT BOX SIDE RH	
15	479 035 R1	PLATE, FRONT MOUNTING RH	
	271 723	SCREW, 5/8-11 X 2 C-Z HEX-HD CAP -8-	
	121 574	WASHER, 5/8 C-Z MED LOCK -8-	
	131 016	WASHER, 21/32 X 1-5/16 X .095 C-Z -8-	
16	479 042 R1	SHAFT	
	220 095	NUT, 1-1/4-7 C-Z HEX. -2-	
17	479 041 R1	PIPE, FRONT MOUNTING SPACER	
18	479 027 R11	BAR ASSY, SUBFRAME RH	
	220 088	NUT, 1-8 C-Z HEX. -2-	
	137 303	PIN, 1/4 X 2-1/4 C-Z COT.	
	271 860	SCREW, 1-8 X 3-1/4 C-Z HEX-HD CAP -2-	
	551 183 R1	WASHER, 17/32 X 2-1/2 X 16 GA	
19	479 044 R1	BRACKET, AXLE MOUNTING RH -2-	
	220 088	NUT, 1-8 C-Z HEX. -4-	
	271 857	SCREW, 1-8 X 2-1/2 C-Z HEX-HD CAP -4-	
20	479 029 R91	BRACKET ASSY, MOUNTING RH	
		COMPLETING PACKAGE -FIELD APPLICATION- -SUBFRAME BOLTS & RELIEF VALVES- -NOTE-	
	474 612 R1	SPACER, LOADER SUBFRAME -2-	
	474 613 R1	SCREW, 1-1/2-6 X 8-1/4 CAP -2-	
	220 096	NUT, 1-1/2-6 C-Z HEX. -2-	
	131 052	WASHER, 1-1/2 C-Z MED LOCK -2-	
	383 796 R91	VALVE ASSY, RELIEF - 1600 PSI	
	388 208 R93	VALVE ASSY, RELIEF - 200 PSI	
		NOTE -FOR INTERNATIONAL 504, 606, 2504 AND 2606 TRACTORS WITH 2000 LOADER-	

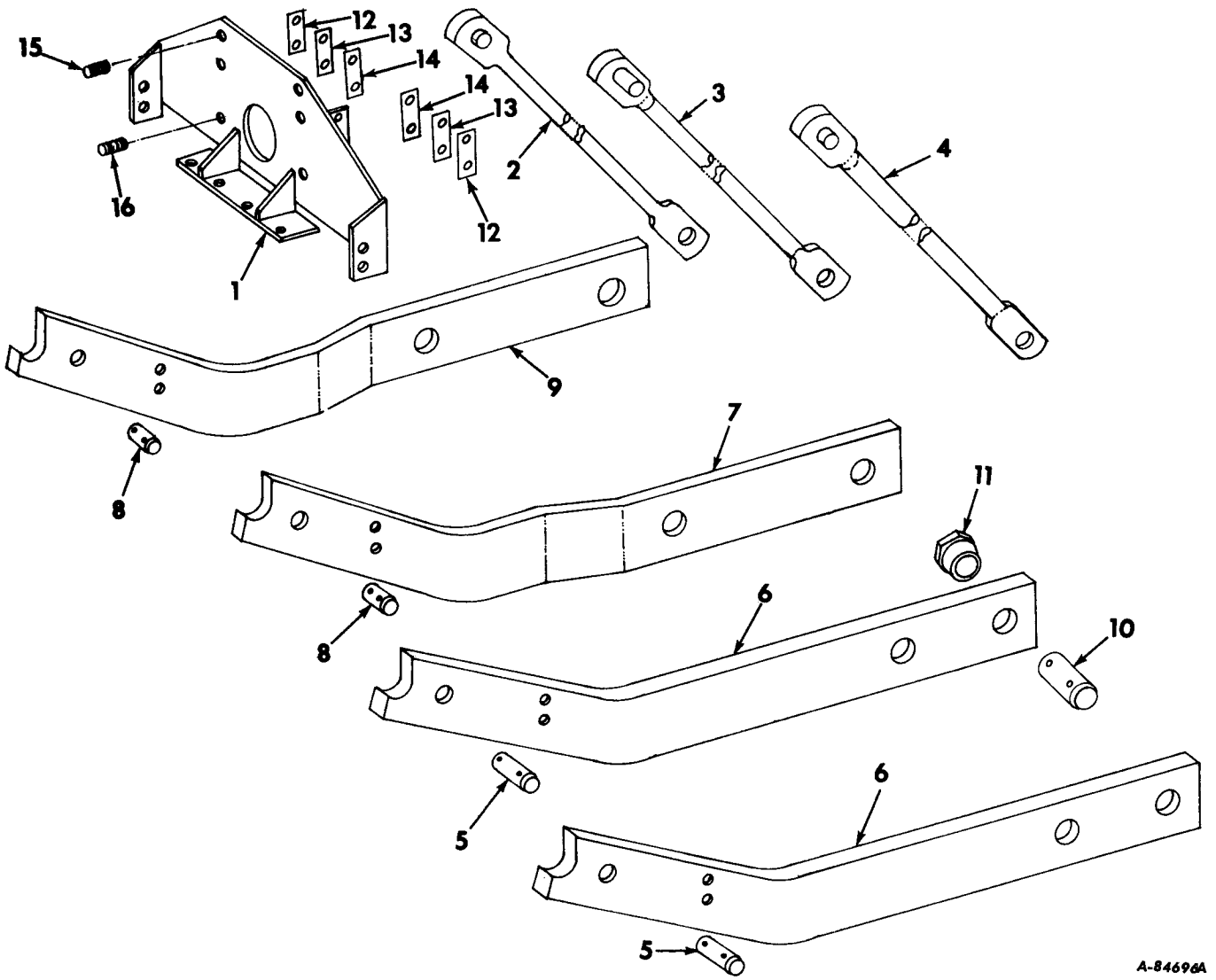
3141 BACKHOE -13- SECTION F

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		SUBFRAME AND FENDER BRACKETS -INTERNATIONAL 3414 AND 3444 TRACTORS-	



1	471 265 R1	SUBFRAME -2-	
2	469 195 R1	PIN, ANCHOR -2-	
Q	1 436	PIN, 3/8 X 2-9/16 STD-HD DLD -2-	
	177 923	PIN, 1/8 X 3/4 C-Z COT. -2-	
3	393 824 R1	PLATE, RH LOWER FENDER BRACKET	
	120 378	NUT, 1/2 C-Z HEX. -2 USED W/3444 TRACTORS-	
	180 175	SCREW, 1/2-13 X 1-1/4 C-Z HEX-HD CAP -8 USED W/3414 TRACTORS- -10 USED W/3444 TRACTORS-	
	120 384	WASHER, 1/2 C-Z MED LOCK	
4	469 086 R11	LINK ASSY, TIE -2-	
	193 244	PIN, 3/8 X 2-1/2 C-Z COT. -2- -IN TRACTOR FRAME-	
5	490 945 R1	SUPPORT, FENDER RH -2- -USED W/3444 TRACTORS-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		SUBFRAME -FOR USE ON 500 CRAWLER TRACTOR W/3050 LOADER, 5-G2, 10 OR 11 BULLGRADER-	



SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 500 CRAWLER TRACTOR W/3050 LOADER -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT A-

SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 500 CRAWLER TRACTOR W/5-G-2 BULLGRADER -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT B-

SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 500 CRAWLER TRACTOR W/10 BULLGRADER -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT C-

SERVICE PARTS FOR MOUNTING BACKHOE ON INTERNATIONAL 500 CRAWLER TRACTOR W/11 BULLGRADER -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT D-

3141 BACKHOE -14- SECTION F

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		SUBFRAME -FOR USE ON 500 CRAWLER TRACTOR -CONTINUED W/3050 LOADER, 5-G2, 10 OR 11 BULLGRADER-	

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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		SUBFRAME -FOR USE ON 500 CRAWLER TRACTOR -CONTINUED W/3050 LOADER, 5-G2, 10 OR 11 BULLGRADER-	
1	482 016 R91	SECTION ASSY, SUBFRAME BRACKET	
	220 086	NUT, 3/4-10 C-Z HEX. -4-	
	271 774	SCREW, 3/4-10 X 2-3/4 C-Z HEX-HD CAP -4-	
	271 611	SCREW, 3/4-10 X 2 C-Z HEX-HD CAP -4-	
	131 017	WASHER, 13/16 X 1-1/2 X .108 C-Z -4-	
	131 046	WASHER, 3/4 C-Z MED LOCK -4-	
2	482 033 R91	SUPPORT ASSY, MAIN FRAME -2- -UNIT A-	
3	482 035 R91	SUPPORT ASSY, MAIN FRAME -2- -UNIT B-	
4	482 037 R91	SUPPORT ASSY, MAIN FRAME -2- -UNIT C AND D-	
5	482 040 R1	BAR, TIE LINK ANCHOR -2- -UNIT B-	
	20 341 R1	PIN, 1/4 X 2 C-Z COT. -4-	
6	482 041 R1	FRAME, SUB -2- -UNIT B, C AND D-	
7	482 015 R1	FRAME, SUB RH -UNIT A-	
8	482 039 R1	BAR, TIE -2- -UNIT A, C AND D-	
	137 268	PIN, 3/16 X 2-1/4 C-Z COT. -4-	
9	482 014 R1	FRAME, SUB LH -UNIT A-	
10	482 032 R1	BAR, SUBFRAME MOUNTING -4-	
	137 268	PIN, 3/16 X 2-1/4 C-Z COT. -8-	
11	469 189 R1	CAM, SUBFRAME MOUNTING -4-	
12	486 035 R1	SHIM, SUBFRAME BRACKET ASSY -AS REQUIRED-	
13	486 036 R1	STRIP, SUBFRAME BRACKET ASSY -AS REQUIRED-	
14	486 037 R1	STRIP, SUBFRAME BRACKET ASSY -4-	
15	51 971 C	STUD, SUBFRAME BRACKET -2-	
	214 442	NUT, 1/2-20 HEX. TYPE 4 -2-	
	120 384	WASHER, 1/2 C-Z MED LOCK -2-	
16	636 435 R1	STUD, SUBFRAME BRACKET -4-	
	274 468	NUT, 5/8-18 HEX. TYPE 4 -4-	

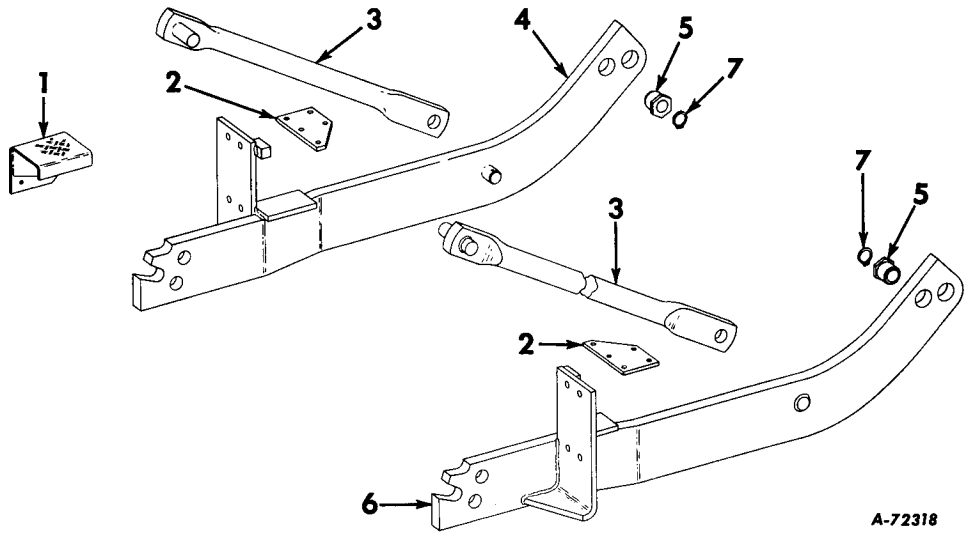
3141 BACKHOE -15- SECTION F

REF. NO. PART NUMBER DESCRIPTION BKH-1

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 5

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME & FENDER BRACKETS -INTERNATIONAL 504, 606, 2504 AND 2606 TRACTORS-



1	470 455 R11		STEP ASSY, TRACTOR TO BACKHOE
	120 377		NUT, 3/8 C-Z HEX. -4-
	180 120		SCREW, 3/8 X 3/4 C-Z HEX-HD CAP -4-
	446 470		WASHER, 3/8 X 1-1/8 X 16 GA C-Z -4-
	120 382		WASHER, 3/8 C-Z LOCK -4-
2	469 549 R1		BRACKET, FENDER -2-
	237 614 R1		SPACER, FENDER BRACKET -2-
	180 174		SCREW, 1/2 X 1-1/8 C-Z HEX-HD CAP -4-
	120 378		NUT, 1/2 C-Z HEX. -4-
3	469 181 R11		SUPPORT ASSY, MAIN FRAME -2-
4	469 182 R11		SUBFRAME ASSY, LEFT
	124 589		NUT, 5/8-11 HEX.
	137 303		PIN, 1/4 X 2-1/4 C-Z COT.
	19 827 R1		SCREW, 5/8-11 X 8 C-Z HEX-HD CAP
	121 574		WASHER, 5/8 C-Z MED LOCK
	551 183 R1		WASHER, 1-17/32 X 2-1/2 X 16 GA
5	469 189 R1		CAM, SUBFRAME MOUNTING -2-
6	469 183 R11		SUBFRAME ASSY, RIGHT
	124 589		NUT, 5/8-11 C-Z HEX.
	137 303		PIN, 1/4 X 2-1/4 C-Z COT.
	19 827 R1		SCREW, 5/8-11 X 8 C-Z HEX-HD CAP
	121 574		WASHER, 5/8 C-Z MED LOCK
	551 183 R1		WASHER, 1-17/32 X 2-1/2 X 16 GA
7	468 283 R1		RING, EXT RETAINING -2-

3141 BACKHOE -16- SECTION F

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME & FENDER BRACKETS -INTERNATIONAL -CONTINUED 504, 606, 2504 AND 2606 TRACTORS-

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REVISION NO. 5

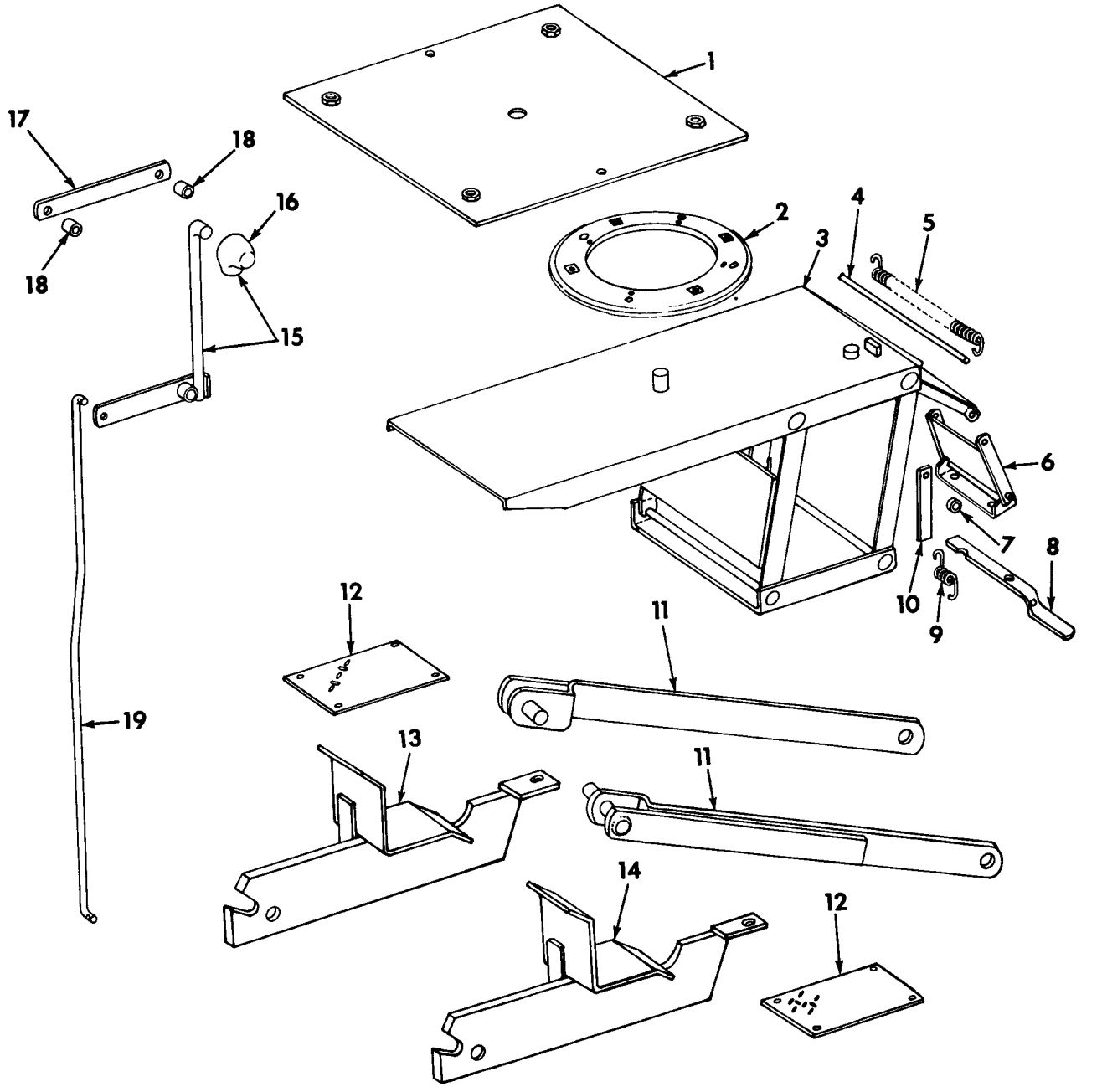
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME AND SEAT SUPPORT
-INTERNATIONAL 3514 & 3616 LOADER TRACTOR-

3141 BACKHOE -17- SECTION F

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME AND SEAT SUPPORT -CONTINUED
-INTERNATIONAL 3514 & 3616 LOADER TRACTOR-



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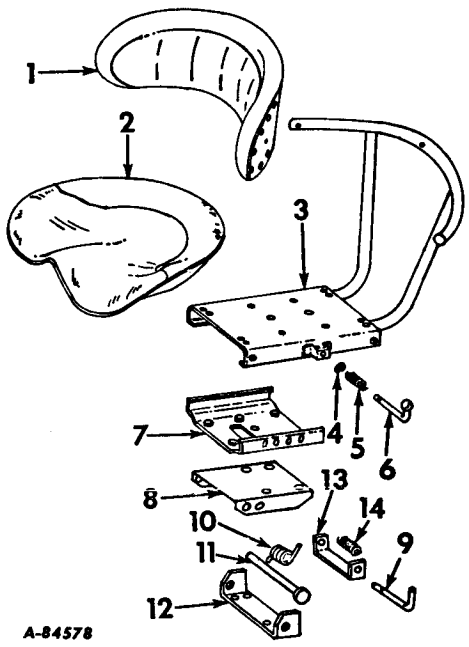
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		SUBFRAME AND SEAT SUPPORT -CONTINUED	
		-INTERNATIONAL 3514 & 3616 LOADER TRACTOR-	
1	480 721 R91	SWIVEL ASSY, SEAT	
	374 235 R1	SCREW, 5/16-18 X 1/2 12 PT HD CAP -4- -TRACTOR SEAT RAIL MOUNTING-	
2	476 838 R91	BEARING ASSY, LAZY SUSAN	
	436 750	SCREW, 10-32 X 1/2 PAN HD SLT MACH -4-	
	171 702	SCREW, 8-32 X 3/8 PAN HD SLT TAPPING -4-	
	121 841	WASHER, #8 LOCK -4-	
	120 217	WASHER, #10 LOCK -4-	
3	493 886 R1	BASE ASSY, SEAT	
	120 634	NUT, 5/16-18 HEX. -4-	
	107 763	PIN, 1/8 X 5/8 COT.	
	180 085	SCREW, 5/16-18 X 1-3/4 HEX-HD CAP -4-	
Q	1 505	WASHER, 13/32 X 1 X 16 GA	
4	480 703 R1	PIN, RETAINER	
	103 383	PIN, 1/8 X 1/2 COT. -2-	
Q	397	WASHER, 11/32 X 3/4 X 16 GA -4-	
5	481 633 R1	SPRING, SEAT RETAINER	
6	493 885 R1	BRACKET ASSY, MOUNTING LIFT	
	120 376	NUT, 5/16-18 C-Z HEX. -6-	
	180 077	SCREW, 5/16-18 X 3/4 C-Z HEX-HD CAP -6-	
	120 214	WASHER, 5/16 C-Z MED LOCK -6-	
Q	1 505	WASHER, 13/32 X 1 X 16 GA	
7	481 895 R1	WASHER, SEAT SAFETY STRAP	
	374 235 R1	SCREW, 5/16-18 X 1/2 12 PT HD CAP -4- -TRACTOR SEAT RAIL MOUNTING-	
8	476 840 R1	LATCH, LEVER	
9	476 962 R1	SPRING, LATCH	
10	481 894 R1	BAR, SEAT SAFETY STRAP	
11	480 715 R93	BAR ASSY, BACKHOE TIE -2-	
	193 244	PIN, 3/8 X 2-1/2 C-Z COT. -2- IN TRACTOR FRAME	
	551 183 R1	WASHER, 1-17/32 X 2-1/2 X 16 GA USE 1 WITH EACH TIE BAR ASSY OR AS REQD.	
12	481 076 R1	TREAD, FENDER -2-	
	171 754	SCREW, 1/4-20 X 1/2 C-Z PAN-HD SLT TAPPING -8-	
13	480 707 R93	BRACKET ASSY, SUBFRAME LH	
	271 611	SCREW, 3/4-10 X 2 HEX-HD CAP	
	138 506	WASHER, 3/4 C-Z EXT-TOOTH LOCK -5-	
14	480 708 R93	BRACKET ASSY, SUBFRAME RH	
	271 611	SCREW, 3/4-10 X 2 HEX-HD CAP	
	138 506	WASHER, 3/4 C-Z EXT-TOOTH LOCK -5-	
15	391 372 R91	LEVER ASSY, THROTTLE	
16	379 022 R2	KNOB	
17	391 376 R11	STRIP, QUADRANT	
	106 882	RIVET, 3/16 X 1/4 TRUSS-HD SOLID	
	17 469 R1	SCREW, 1/4 X 1-1/2 HEX-HD CAP -2-	
	16 559 R1	WASHER, 17/32 X 5/8 X .036 -2-	
	103 319	WASHER, 1/4 MED LOCK -2-	
	109 084	NUT, 1/4-20 HEX. -2-	
18	391 377 R1	SPACER, QUADRANT -2-	
19	391 378 R1	ROD, THROTTLE LEVER	
	120 393	WASHER, 11/32 X 11/16 X .065 -2-	
	103 384	PIN, 1/8 X 3/4 COT. -1-	
	128 157	GROMMET, RUBBER	
2	752 944 R1	PRODUCT GRAPHIC, GOVERNOR INSTRUCTION	

3141 BACKHOE -18- SECTION F

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 9

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SEAT AND SUPPORT



	469 119 R91	SEAT ASSY, BACKHOE PREMIER -CONSISTS OF REF. NOS. 1 THRU 7-	
1	469 121 R91	BACKREST ASSY, PREMIER	
2	469 122 R91	CUSHION ASSY, PREMIER SEAT	
	120 368	NUT, 5/16-24 C-Z HEX. -4-	
	120 214	WASHER, 5/16 LOCK C-Z -4-	
3	469 120 R91	FRAME ASSY, HI-BACK PREMIER	
9	413 946	NUT, 1/4 STOVER HEX LOCK - CAD PLTD.	
	155 338	SCREW, 1/4 X 1/2 RD HD CROSS RECESS MACH C-Z	
	155 358	SCREW, 1/4 X 1 RD HD CROSS RECESS MACH C-Z -3-	
4	104 977 R1	RING , SLIDE HANDLE RETAINING	
5	469 125 R1	SPRING, SLIDE ADJUSTING PLUNGER	
6	469 124 R11	PLUNGER W/KNOB ASSY, SLIDE ADJUSTING	
	103 340	WASHER, 11/32 X 11/16 X 16 GA. FLAT	
7	469 123 R11	SLIDE ASSY, LOWER	
	180 075	SCREW, 5/16-18 X 5/8 C-Z HEX-HD CAP -4-	
	120 214	WASHER, 5/16 C-Z MED LOCK -4-	
8	476 905 R2	SUPPORT, SEAT	
9	484 482 R1	ROD, SEAT LATCH HANDLE	
	103 384	PIN, 1/8 X 3/4 COT.	
	120 394	WASHER, 13/32 X 13/16 X .051	
10	15 068 E8	SPRING, SEAT	
11	625 326 R1	PIN, 3/8 X 6 STD-HD	
	120 394	WASHER, 13/32 X 13/16 X .051	
	103 384	PIN, 1/8 X 3/4 COT.	

3141 BACKHOE -19- SECTION F

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SEAT AND SUPPORT -CONTINUED

12	477 567 R1	BRACKET, SEAT	
	120 376	NUT, 5/16-18 CND HEX. -4-	
	180 081	SCREW, 5/16-18 X 1-1/4 C-Z HEX-HD CAP -4-	
	120 214	WASHER, 5/16 C-Z MED LOCK -4-	
13	484 481 R1	BRACKET, SEAT LATCH	
	120 375	NUT, 1/4-20 C-Z HEX -2-	
	453 049	SCREW, 1/4-20 X 3/4 PAN-HD SLT -2-	
	120 380	WASHER, 1/4 C-Z MED LOCK -2-	
14	359 109 R2	SPRING	

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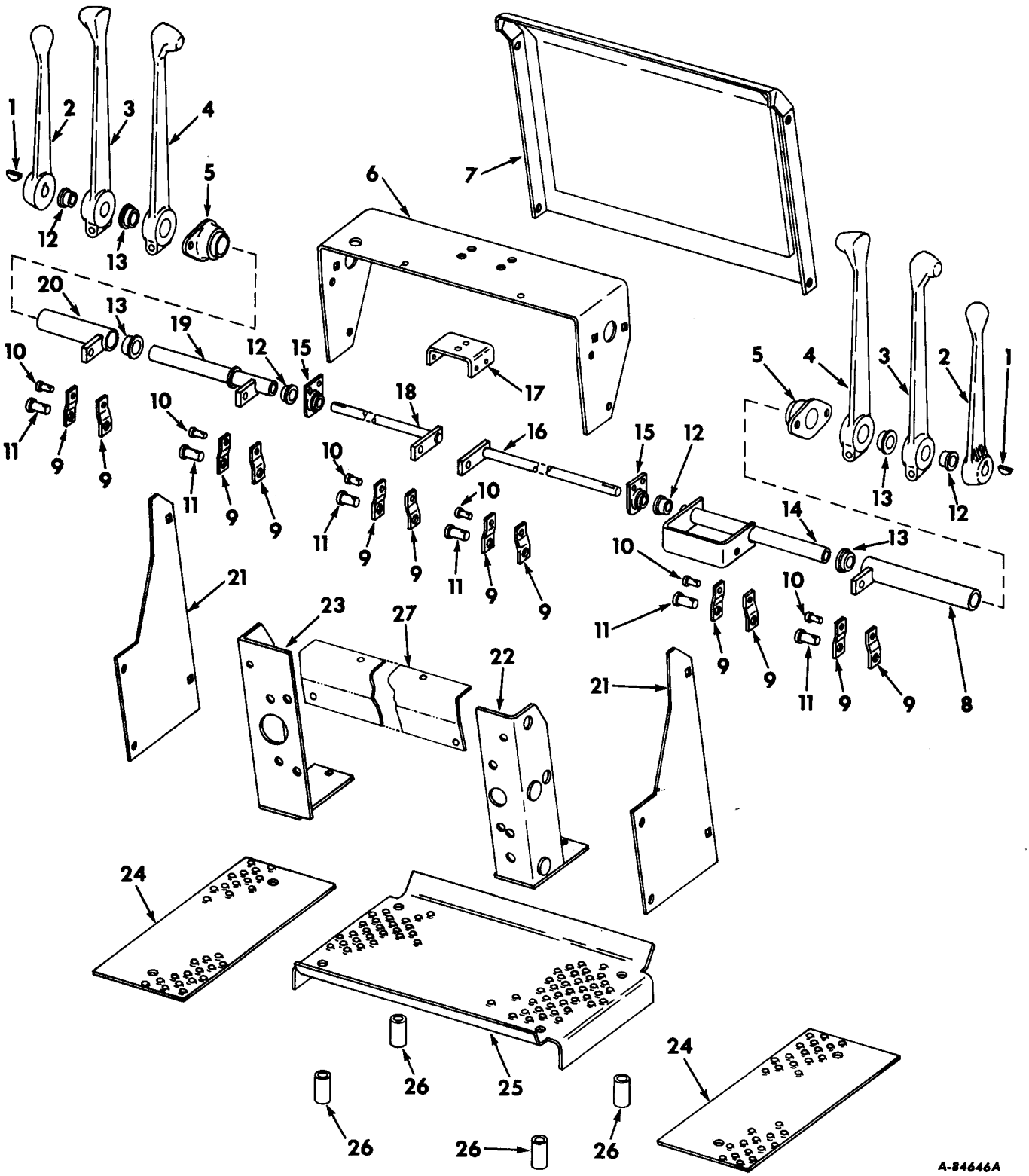
REVISION NO. 9

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONTROLS	

3141 BACKHOE -20- SECTION F

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONTROLS -CONTINUED	



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REVISION NO. 5

REF. NO.	PART NUMBER		DESCRIPTION	BKH-1
	HYDRAULIC CONTROLS -CONTINUED			
1	106 751		KEY, 3/16 X 3/4 WOODRUFF -2-	
2	477 547	R1	HANDLE, STABILIZER CONTROL -2-	
	431 662		SCREW, 3/8-16 X 3/4 C-Z HEX-SOC-HD	
3	481 678	R1	HANDLE, CROWD & SWING CONTROL -2-	
	180 132		SCREW, 3/8-16 X 2-1/4 ZND HEX-HD CAP -2-	
	120 374		NUT, 3/8-16 C-Z SQ-HD -2-	
4	481 666	R1	HANDLE, BUCKET & LIFT CONTROL -2-	
	180 132		SCREW, 3/8-16 X 2-1/4 ZND HEX-HD CAP -2-	
	120 374		NUT, 3/8-16 C-Z SQ-HD -2-	
5	608 879	R91	BEARING ASSY -2-	
	17 351	R1	BOLT, 3/8-16 X 1 C-Z CGE-HD -4-	
	120 377		NUT, 3/8-16 C-Z HEX. -4-	
	120 382		WASHER, 3/8 C-Z MED LOCK -4-	
6	481 663	R1	SUPPORT, SEAT	
	180 173		SCREW, 1/2-13 X 1 C-Z HEX-HD CAP -4-	
	120 384		WASHER, 1/2 C-Z MED LOCK -4-	
6	492 595	R1	SHIELD ASSY, HEAT -FOR 500C CRAWLER TRACTOR-	
7	481 686	R11	SHIELD ASSY, HEAT	
8	481 667	R91	SHAFT ASSY, BUCKET CONTROL	
9	481 684	R1	LINK, CONTROL VALVE -12-	
10 B	92	1/2	PIN, 3/8 X 7/8 STD-HD -6-	
	12 235	R1	PIN, 1/8 C 5/8 C-Z COT. -6-	
11 Q	1 332		PIN, 1/2 X 1-1/8 STD-HD -6-	
	108 632		PIN, 3/16 X 7/8 COT. -6-	
12	307 920	R1	BEARING -4-	
13	477 554	R1	BEARING, CENTER CONTROL -4-	
14	481 672	R92	SHAFT ASSY, SWING CONTROL	
14	492 585	R1	SHAFT ASSY, SWING CONTROL -FOR 500C CRAWLER TRACTOR-	
15	481 683	R91	BEARING ASSY, SELF-ALIGNING -2-	
	120 375		NUT, 1/4-20 C-Z HEX. -4-	
	180 020		SCREW, 1/4-20 X 3/4 C-Z HEX-HD CAP -4-	
	120 380		WASHER, 1/4 C-Z MED LOCK -4-	
16	481 680	R91	SHAFT ASSY, RH STABILIZER CONTROL	
16	492 589	R1	SHAFT ASSY, RH STABILIZER CONTROL -FOR 500C CRAWLER TRACTOR-	
17	481 664	R1	BRACKET, BEARING SUPPORT	
18	481 679	R91	SHAFT ASSY, LH STABILIZER CONTROL -2-	
18	492 588	R1	SHAFT ASSY, LH STABILIZER CONTROL -FOR 500C CRAWLER TRACTOR-	
19	481 675	R91	SHAFT ASSY, CROWD CONTROL	
20	481 670	R91	SHAFT ASSY, LIFT CONTROL	
21	481 685	R1	SHROUD, CONTROL SIDE -2-	
	180 073		SCREW, 5/16-18 X 1/2 C-Z HEX-HD CAP -4-	
	459 063	R1	RETAINER, 5/16 SPEED GRIP NUT -4-	
22	481 658	R93	BRACKET ASSY, VALVE SUPPORT LH	
22	492 591	R1	BRACKET ASSY, VALVE SUPPORT LH -FOR 500C CRAWLER TRACTOR-	
	120 377		NUT, 3/8-16 C-Z HEX. -2-	
	180 124		SCREW, 3/8-16 X 1-1/4 C-Z HEX-HD CAP -2-	
	120 382		WASHER, 3/8 C-Z MED LOCK -2-	

3141 BACKHOE -21- SECTION F

REF. NO.	PART NUMBER		DESCRIPTION	BKH-1
	HYDRAULIC CONTROLS -CONTINUED			
23	481 659	R92	BRACKET ASSY, VALVE SUPPORT RH	
23	492 594	R1	BRACKET ASSY, VALVE SUPPORT RH -FOR 500C CRAWLER TRACTOR-	
	120 377		NUT, 3/8-16 C-Z HEX. -2-	
	180 124		SCREW, 3/8-16 X 1-1/4 C-Z HEX-HD CAP -2-	
	120 382		WASHER, 3/8 C-Z MED LOCK -2-	
24	481 691	R1	STRIP, SIDE FLOOR PLATE -2-	
	120 377		NUT, 3/8-16 C-Z HEX. -4-	
	18 494	R1	SCREW, 3/8-16 X 1 C-Z HEX-HD CAP -4-	
	120 382		WASHER, 3/8 C-Z MED LOCK -4-	
25	481 687	R2	COVER, FLOOR	
25	492 596	R1	COVER, FLOOR -FOR 500C CRAWLER TRACTOR-	
	120 377		NUT, 3/8-16 C-Z HEX. -4-	
	180 120		SCREW, 3/8-16 X 3/4 C-Z HEX-HD CAP -4-	
	180 137		SCREW, 3/8-16 X 2-3/4 C-Z HEX-HD CAP -4-	
	120 382		WASHER, 3/8 MED LOCK -4-	
26	615 860	R1	SPACER, .406 X .875 X 1.781 -4-	
27	484 296	R11	SHIELD ASSY, CONTROL STAND REAR HEAT	
	172 427		SCREW, 1/4-20 X 1/2 C-Z HEX-HD CAP -4-	

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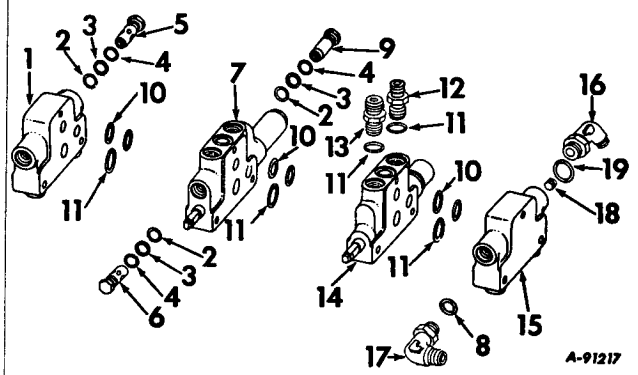
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC LOADER VALVE BANK



REF. NO.	PART NUMBER	DESCRIPTION
1	391 217 R1	COVER, LEFT SIDE END
	20 210 R1	SCREW, 3/8-16 X 8-7/8 HEX-HD -3-
	102 635	NUT, 3/8-16 HEX. -3-
	103 321	WASHER, 3/8 MED LOCK -3-
2	383 219 R1	O-RING, 15/16 X 1-1/8 X 3/32 -3-
3	378 985 R2	WASHER, BACKUP -3-
4	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32 -3-
5	388 208 R93	VALVE ASSY, PILOT OPERATED RELIEF -2000 PSI- -FOR 3514 LOADER TRACTORS- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF PILOT RELIEF VALVE-
5	396 729 R92	VALVE ASSY, PILOT OPERATED RELIEF -2250 PSI- -FOR 3616 LOADER TRACTORS- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF PILOT RELIEF VALVE-
6	382 479 R91	VALVE ASSY, CUSHION RELIEF -2500 PSI-
7	383 269 R94	VALVE ASSY, HYDRAULIC CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF FOUR POSITION SPRING CENTERED HYDRAULIC CONTROL VALVE-
8	297 459 R1	O-RING, 1-3/64 X 1-9/32 X 7/64
9	378 899 R1	PLUG, RELIEF VALVE CHAMBER
10	381 884 R1	O-RING, 1 X 1-3/16 X 3/32 -6-
11	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32 -5-
12	397 699 R1	UNION ASSY, ORIFICE
13	397 702 R1	UNION ASSY, ORIFICE
14	383 271 R94	VALVE ASSY, HYDRAULIC CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED HYDRAULIC CONTROL VALVE-

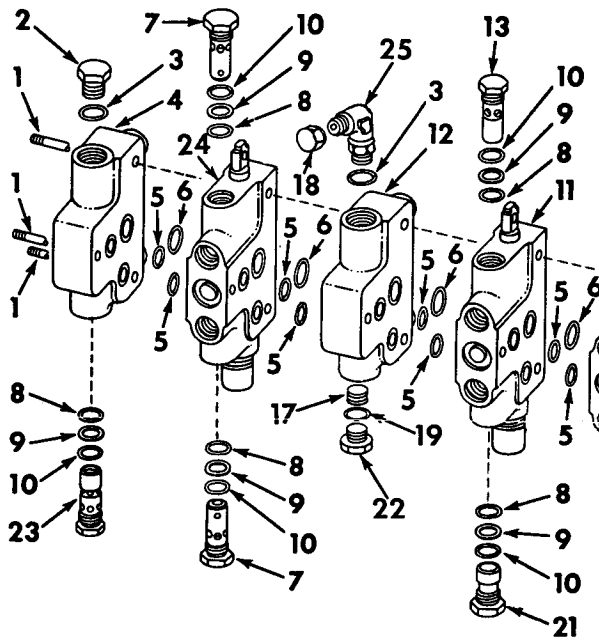
3141 BACKHOE -22- SECTION F

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC LOADER VALVE BANK -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
15	391 216 R1	COVER, RIGHT SIDE END
16	9 410 981	ELBOW, 1-5/16-12 C-Z 37 DEG HYD FLARED TUBE 90 DEG
17	9 410 980	ELBOW, 1-3/16-12 C-Z 37 DEG HYD FLARED TUBE 90 DEG
18	444 697	PLUG, 3/8-18 AUTOMOTIVE HEX-SOC-HD PIPE
19	296 247 R1	O-RING, 1 OD TUBING

HYDRAULIC CONTROL VALVES

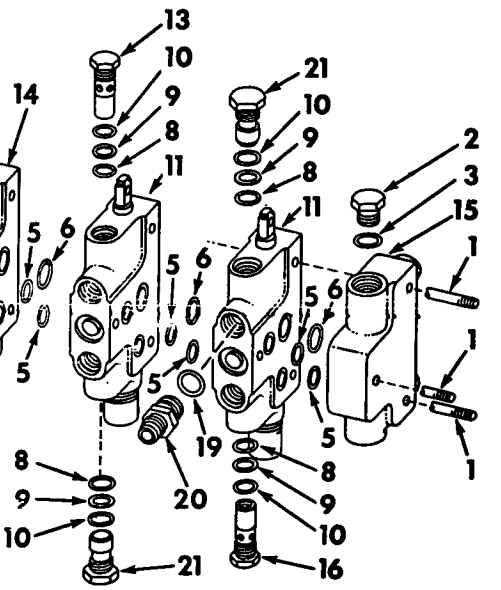


A-89253

REF. NO.	PART NUMBER	DESCRIPTION
1	392 971 R1	ROD, TIE -3-
	102 635	NUT, 3/8-16 HEX. -6-
	527 476 R1	WASHER, 3/8 LOCK -6-
2	9 410 362	PLUG, 1-3/16 C-Z STR THD O-RING BOSS FOR 7/8 TUBE -2- -OUTLET VALVE COVER - LARGE-
3	297 459 R1	O-RING, 1-3/64 X 1-9/32 X 7/64 -3-
4	392 968 R2	COVER, LEFT SIDE END
5	381 884 R1	O-RING, 1 X 1-3/16 X 3/32 -16- -VALVE OUTLET COVER-
6	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32 -8- -VALVE OUTLET COVER-
7	387 229 R91	VALVE ASSY, ANTI-CAVITATION -2-
8	383 219 R1	O-RING, 15/16 X 1-1/8 X 3/32 -9- -PILOT OPERATED RELIEF VALVE-
9	378 985 R2	WASHER, PILOT OPERATED RELIEF VALVE BACKUP -9-
10	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32 -9- -PILOT OPERATED RELIEF VALVE-
11	394 705 R94	VALVE ASSY, HYD OPEN CENTER CONTROL -3- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-
12	392 969 R2	COVER, CENTER
13	382 479 R91	VALVE ASSY, CUSHION RELIEF- 2500 P.S.I. -2-
14	383 271 R94	VALVE ASSY, HYD OPEN CENTER CONTROL -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-
15	392 970 R1	COVER, RIGHT SIDE END

3141 BACKHOE -23- SECTION F

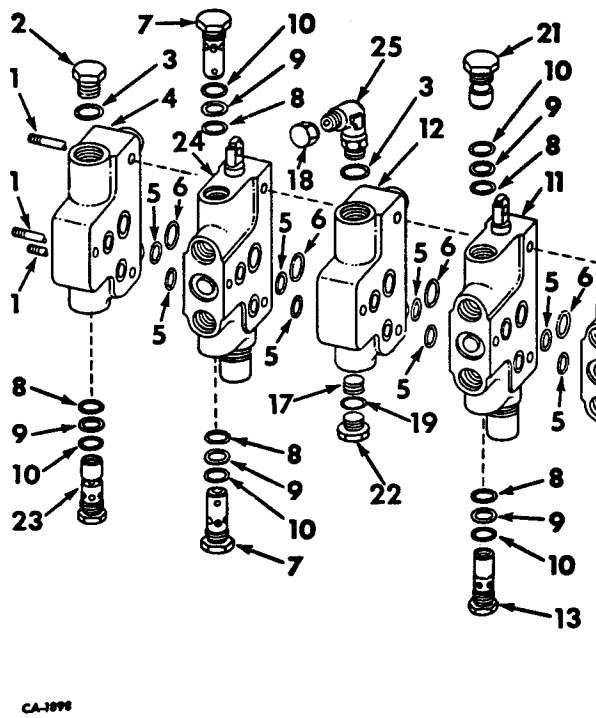
HYDRAULIC CONTROL VALVES -CONTINUED



REF. NO.	PART NUMBER	DESCRIPTION
16	382 928 R91	VALVE ASSY, CUSHION RELIEF -2000 P.S.I.-
17	444 697	PLUG, 3/8-18 AUTO HEX-SOC HD PIPE
18	9 403 375	CAP, 1-3/16-12 37 DEG HYD FLARED TUBE
19	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -2-
20	397 699 R1	UNION ASSY, ORIFICE
21	378 899 R1	PLUG, RELIEF VALVE CHAMBER -3-
22	9 410 360	PLUG, 7/8-14 C-Z STR-THD O-RING BOSS - FOR 5/8 TUBE OUTLET VALVE COVER - SMALL-
23	388 208 R93	VALVE ASSY, PILOT OPERATED RELIEF -2000 P.S.I.- -NOT FOR USE W/3616 TRACTORS- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF PILOT RELIEF VALVE-
23	396 729 R92	VALVE ASSY, PILOT OPERATED RELIEF -2250 P.S.I. -FOR 3616 TRACTORS- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF PILOT RELIEF VALVE-
24	383 270 R93	VALVE ASSY, HYD OPEN CENTER CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-
25	9 410 980	ELBOW, 1-3/16-12 C-Z 37 DEG HYDRAULIC FLARED TUBE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONTROL VALVES
-FOR 500C CRAWLER TRACTORS-



1	392 971 R1	ROD, TIE -3-	
	102 635	NUT, 3/8-16 HEX. -6-	
	527 476 R1	WASHER -6-	
2	9 410 362	PLUG, 1-3/16 C-Z STR-THD O-RING BOSS OUTLET VALVE COVER - LARGE -2-	
3	297 459 R1	O-RING, 1-3/64 X 1-9/32 X 7/64 -3-	
4	392 968 R2	COVER, LEFT SIDE END	
5	381 884 R1	O-RING, 1 X 1-3/16 X 3/32 -16- VALVE OUTLET COVER	
6	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32 -8- VALVE OUTLET COVER	
7	387 229 R91	VALVE ASSY, ANTI-CAVITATION -2-	
8	383 219 R1	O-RING, 15/16 X 1-1/8 X 3/32 -10- PILOT OPERATED RELIEF VALVE	
9	378 985 R2	WASHER, PILOT OPERATED RELIEF VALVE BACKUP -10-	
10	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32 -10- PILOT OPERATED RELIEF VALVE	
11	394 705 R95	VALVE ASSY, HYD OPEN CENTER CONTROL -3- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-	
12	395 006 R2	COVER, CENTER	
13	382 479 R91	VALVE ASSY, CUSHION RELIEF- 2500 P.S.I. -2-	

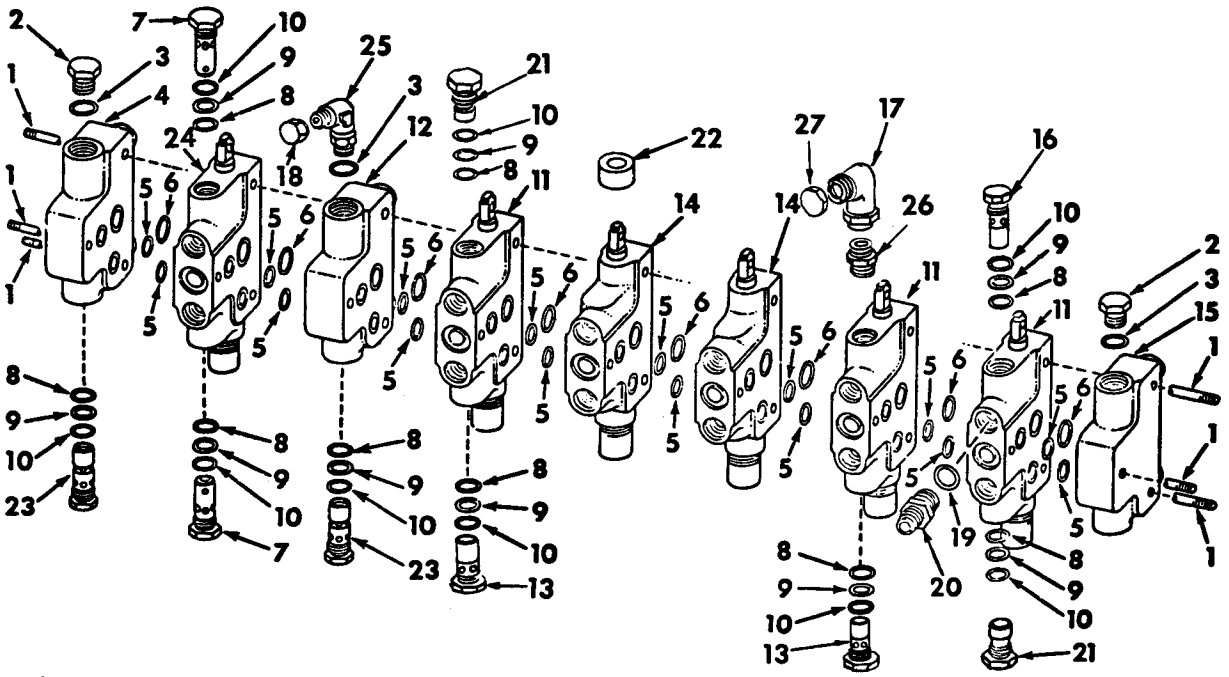
3141 BACKHOE -24- SECTION F

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONTROL VALVES -CONTINUED
-FOR 500C CRAWLER TRACTORS-

14	383 271 R95	VALVE ASSY, HYD OPEN CENTER CONTROL -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-	
15	392 970 R1	COVER, RIGHT SIDE END	
16	382 928 R91	VALVE ASSY, CUSHION RELIEF-2000 PSI	
17	444 697	PLUG, 3/8-18 AUTO	
18	9 403 375	CAP, 1-3/16-12 37 DEG HYD FLARED TUBE	
19	364 885 R1	O-RING, 3/4 X 15/16 X 3/32	
20	397 699 R1	UNION ASSY, ORIFICE	
21	378 899 R1	PLUG, RELIEF VALVE CHAMBER -2-	
22	9 410 360	PLUG, 7/8-14 C-Z STR-THD O-RING BOSS	
23	388 208 R93	VALVE ASSY, PILOT OPERATED RELIEF -2000 P.S.I.- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF PILOT RELIEF VALVE -	
24	383 270 R94	VALVE ASSY, HYD OPEN CENTER CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-	
25	9 410 980	ELBOW, 1-3/16-12 C-Z 37 DEG HYD FLARED TUBE 90 DEG	
26	9 410 285	ELBOW, 1-5/16-12 37 DEG FLARED TUBE 90 DEG SWIVEL	
27	543 691 R1	PLUG, W/OPEN PORT	
28	9 403 376	CAP, 1-5/16-12 ZND 37 DEG HYD FLARED TUBE	

HYDRAULIC CONTROL VALVES
-FOR T7, TD7, TD8, 100C AND 125C
CRAWLER TRACTORS-



REF. NO.	PART NUMBER	DESCRIPTION
1	392 971 R1	ROD, TIE -3-
	102 635	NUT, 3/8-16 HEX. -6-
	527 476 R1	WASHER, 3/8 LOCK -6-
2	9 410 362	PLUG, 1-3/16 C-Z STR THD O-RING BOSS -2- VALVE OUTLET COVER - LARGE
3	297 459 R1	O-RING, 1-3/64 X 1-9/32 X 7/64 -3-
4	392 968 R2	COVER, LEFT SIDE END
5	381 884 R1	O-RING, 1 X 1-3/16 X 3/32 -16- VALVE OUTLET COVER
6	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32 -8- VALVE OUTLET COVER
7	387 229 R91	VALVE ASSY, ANTI-CAVITATION -2-
8	383 219 R1	O-RING, 15/16 X 1-1/8 X 3/32 -10- PILOT OPERATED RELIEF VALVE
9	378 985 R2	WASHER, PILOT OPERATED RELIEF VALVE -10-
10	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32 -10- PILOT OPERATED RELIEF VALVE
11	394 705 R95	VALVE ASSY, HYD OPEN CENTER CONTROL -3- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-
12	395 006 R2	CENTER COVER
13	382 479 R91	VALVE ASSY, CUSHION RELIEF - 2500 PSI -2-

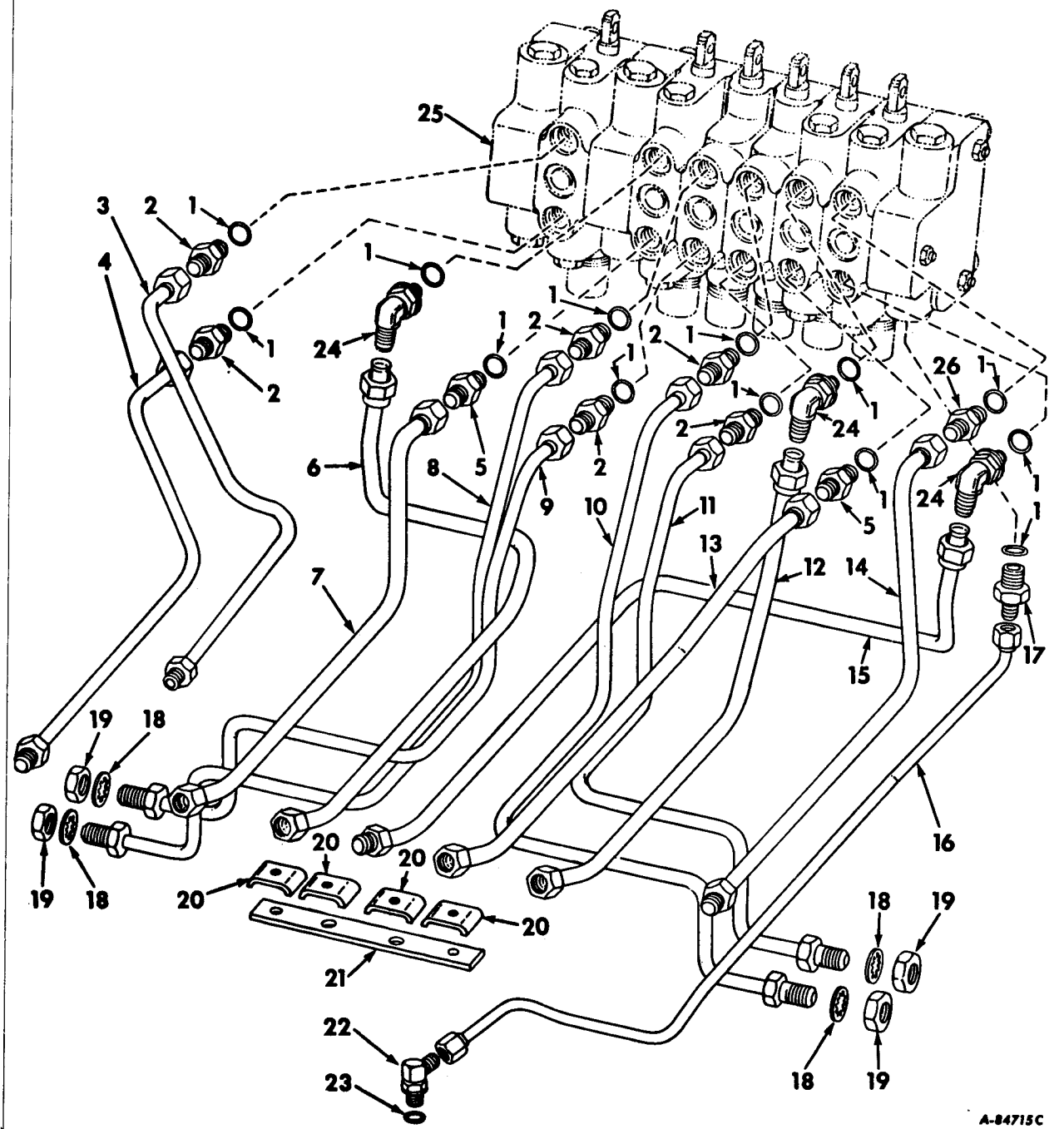
-25- SECTION F
3141 BACKHOE
BKH-1

HYDRAULIC CONTROL VALVES -CONTINUED
-FOR T7, TD7, TD8, 100C AND 125C
CRAWLER TRACTORS-

REF. NO.	PART NUMBER	DESCRIPTION
14	383 271 R95	VALVE ASSY, HYD OPEN CENTER CONTROL -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-
15	392 970 R1	COVER, RIGHT SIDE END
16	382 928 R91	VALVE ASSY, CUSHION RELIEF 2000 PSI
17	9 410 285	ELBOW, 1-5/16-12 37 DEG FLARED TUBE 90 DEG SWIVEL
18	9 403 375	CAP, 1-3/16-12 37 DEG HYD FLARED TUBE
19	364 885 R1	O-RING, 5/8 OD TUBE
20	406 794 R91	UNION ASSY, ORIFICE -FOR CRAWLER TRACTORS W/4-1/2 IN. LIFT CYL-
20	397 699 R1	UNION ASSY, ORIFICE -FOR CRAWLER TRACTORS W/4 IN. LIFT CYL-
21	378 899 R1	PLUG, RELIEF VALVE CHAMBER -2-
22	543 201 R1	SEAL, VALVE SPOOL DUST -6-
	20 703 R1	WASHER, 29/32 X 1-3/4 X 16 GA ZND -6
23	388 208 R93	VALVE ASSY, PILOT RELIEF 2000 PSI -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF PILOT RELIEF VALVE-
24	383 270 R94	VALVE ASSY, HYD OPEN CENTER CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-
25	9 410 980	ELBOW, 1-3/16-12 37 DEG HYD FLARED
26	543 691 R1	PLUG, W/OPEN END PORT
27	9 403 376	CAP, 1-5/16-12 ZND 37 DEG HYD FLARED

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC TUBES AND CONNECTIONS



1	364 885 R1	O-RING, 5/8 TUBE -13-	
2	481 352 R1	CONNECTOR, 5/8 - 1/2 SPECIAL REDUCING -6-	
3	481 647 R21	TUBE ASSY, TOP PORT SWING CYL -ALL EXCEPT 500C CRAWLER TRACTORS-	
3	492 606 R1	TUBE ASSY, TOP PORT SWING CYL -FOR ALL CRAWLER TRACTORS-	

3141 BACKHOE -26- SECTION F

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC TUBES AND CONNECTIONS -CONTINUED

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

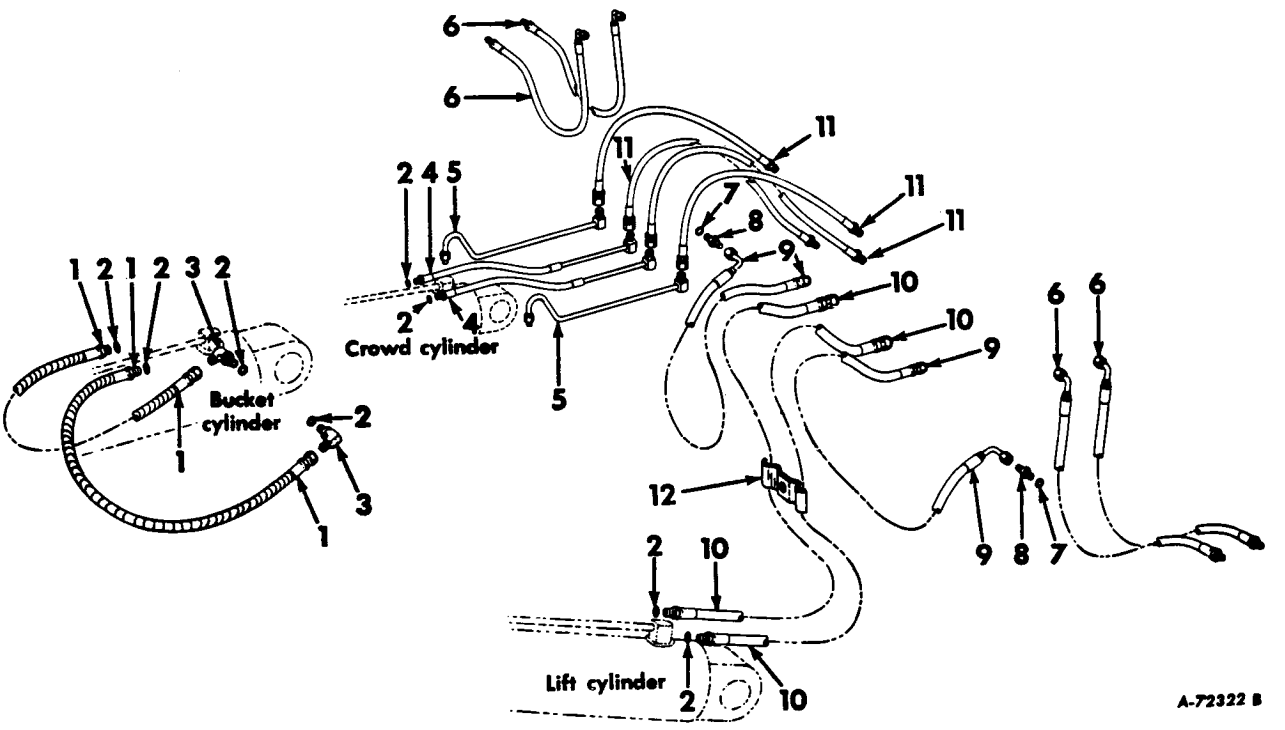
REF. NO.	PART NUMBER	DESCRIPTION BKH-1
		HYDRAULIC TUBES AND CONNECTIONS -CONTINUED
4	481 648 R21	TUBE ASSY, BOTTOM PORT SWING CYL -ALL EXCEPT 500C CRAWLER TRACTORS-
4	492 605 R1	TUBE ASSY, BOTTOM PORT SWING CYL -FOR ALL CRAWLER TRACTORS-
5	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL -2-
6	486 020 R2	TUBE ASSY, TOP PORT BUCKET CYL -ALL EXCEPT 500C CRAWLER TRACTORS-
6	492 600 R1	TUBE ASSY, TOP PORT BUCKET CYL -FOR ALL CRAWLER TRACTORS-
7	481 642 R21	TUBE ASSY, BOTTOM PORT BUCKET CYL -ALL EXCEPT 500C CRAWLER TRACTORS-
7	492 599 R1	TUBE ASSY, BOTTOM PORT BUCKET CYL -FOR ALL CRAWLER TRACTORS-
8	481 652 R21	TUBE ASSY, TOP PORT LH STABILIZER -ALL EXCEPT 500C CRAWLER TRACTORS-
8	492 610 R1	TUBE ASSY, TOP PORT LH STABILIZER -FOR ALL CRAWLER TRACTORS-
9	481 655 R21	TUBE ASSY, BOTTOM PORT LH STABILIZER -ALL EXCEPT 500C CRAWLER TRACTORS-
9	492 609 R1	TUBE ASSY, BOTTOM PORT LH STABILIZER -FOR ALL CRAWLER TRACTORS-
10	481 649 R21	TUBE ASSY, TOP PORT RH STABILIZER -ALL EXCEPT 500C CRAWLER TRACTORS-
10	492 608 R1	TUBE ASSY, TOP PORT RH STABILIZER -FOR ALL CRAWLER TRACTORS-
11	481 651 R21	TUBE ASSY, BOTTOM PORT RH STABILIZER -ALL EXCEPT 500C CRAWLER TRACTORS-
11	492 607 R1	TUBE ASSY, BOTTOM PORT RH STABILIZER -FOR ALL CRAWLER TRACTORS-
12	486 021 R2	TUBE ASSY, TOP PORT CROWD CYL -ALL EXCEPT 500C CRAWLER TRACTORS-
12	492 603 R1	TUBE ASSY, TOP PORT CROWD CYL -FOR 500C CRAWLER TRACTORS-
13	481 646 R21	TUBE ASSY, BOTTOM PORT CROWD CYL -ALL EXCEPT 500C CRAWLER TRACTORS-
13	492 604 R1	TUBE ASSY, BOTTOM PORT CROWD CYL -FOR ALL CRAWLER TRACTORS-
14	481 643 R21	TUBE ASSY, TOP PORT LIFT CYL -ALL EXCEPT 500C CRAWLER TRACTORS-
14	492 602 R1	TUBE ASSY, TOP PORT LIFT CYL -FOR ALL CRAWLER TRACTORS-
15	486 019 R2	TUBE ASSY, BOTTOM PORT LIFT CYL -ALL EXCEPT 500C CRAWLER TRACTORS-
15	492 601 R1	TUBE ASSY, BOTTOM PORT LIFT CYL -FOR 500C CRAWLER TRACTORS-
16	481 657 R11	TUBE ASSY, SWING MECHANISM DRAIN -ALL EXCEPT 500C CRAWLER TRACTORS-
16	492 611 R1	TUBE ASSY, SWING MECHANISM DRAIN -FOR ALL CRAWLER TRACTORS-
17	935 433 R1	UNION, 3/8 TO 5/8 TUBE BOSS
18	138 561	WASHER, 3/4 C-Z INT-TOOTH LOCK -4-
19	9 403 294	NUT, 3/4-16 BULKHEAD UNION LOCK -4-
20	486 004 R1	CHANNEL, TUBE CLAMP - ALSO ORDER 485 742 R1- -ALL EXCEPT 500C CRAWLER TRACTORS-
20	492 619 R1	CHANNEL, TUBE CLAMP -ALSO ORDER 485 743 R1- -FOR 500C CRAWLER TRACTORS-
	180 128	SCREW, 3/8-16 X 1-3/4 C-Z HEX-HD CAP -2-
	120 377	NUT, 3/8- 16 C-Z HEX. -4-
	120 382	WASHER, 3/8 C-Z MED LOCK -4-
21	481 690 R2	STRIP, HYD LINE CUSHIONING -ALL EXCEPT 500C CRAWLER TRACTORS-
21	492 612 R1	STRIP, HYD LINE CUSHIONING -FOR ALL CRAWLER TRACTORS- -ON ORDERS FOR 485 742 R1 ALSO

3141 BACKHOE -27- SECTION F

REF. NO.	PART NUMBER	DESCRIPTION BKH-1
		HYDRAULIC TUBES AND CONNECTIONS -CONTINUED
		-CONTINUED
		ORDER TWO CAP SCREWS, 180 128-
	180 128	SCREW, 3/8-16 X 1-3/4 C-Z HEX-HD CAP -2-
22	9 410 976	ELBOW, 9/16-18 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG
23	364 839 R1	O-RING, 3/8 TUBE
24	9 410 978	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG -3-
25		VALVES, HYDRAULIC CONTROL -REFER TO HYDRAULIC CONTROL VALVES UNIT-
26	397 699 R1	UNION ASSY, ORIFICE -FOR USE W/4 IN. CYL-
26	406 794 R1	UNION ASSY, ORIFICE -FOR USE W/4-1/2 IN. CYL-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS - BASIC-



1	472 789 R91	HOSE ASSY, BOOM TO BUCKET - 53 IN. -2-	
2	364 885 R1	O-RING, 5/8 TUBE -8-	
3	9 410 978	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE -2-	
4	481 697 R91	HOSE ASSY, CROWD CYL 35 IN. -2-	
5	481 699 R11	TUBE ASSY, BOOM TO HOSE -2-	
6	470 256 R91	HOSE ASSY, BULKHEAD TO STABILIZER -4-	
7	364 839 R1	O-RING, 3/8 TUBE -2-	
8	382 449 R1	CONNECTOR, 1/2 - 3/8 TUBE BOSS -2-	
9	481 700 R93	HOSE ASSY, BULKHEAD TO SWING 32 IN. -2-	
10	481 698 R93	HOSE ASSY, PIPE TO LIFT CYL 51 IN. -2-	
11	481 641 R91	HOSE, PIPE TO BOOM - 41.5 IN. -4-	
12	469 998 R1	CLAMP, HYD HOSE -ALL EXCEPT 500C CRAWLER TRACTORS-	
12	492 618 R1	CLAMP, HYD HOSE -FOR 500C CRAWLER TRACTORS-	
	120 378	NUT, 1/2-13 C-Z HEX.	
	120 238	NUT, 1/2-13 C-Z HEX. JAM	

3141 BACKHOE -28- SECTION F

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS - BASIC- -CONTINUED

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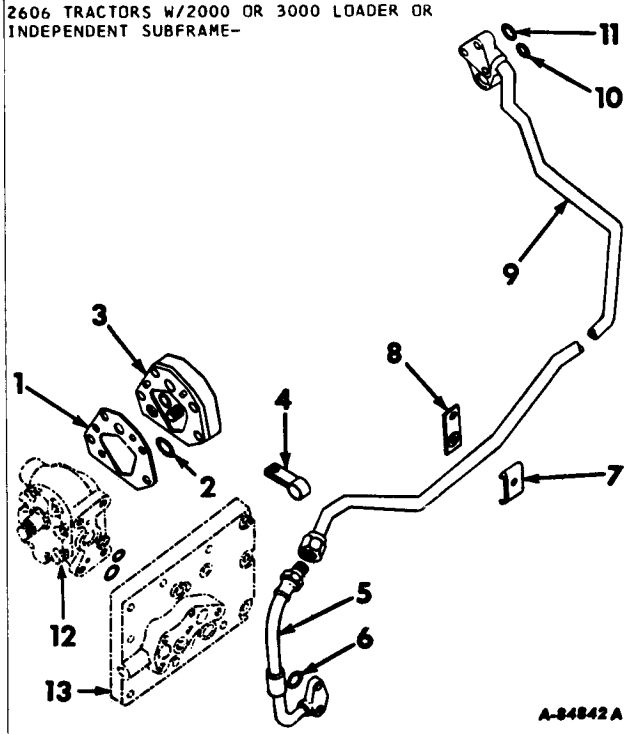
PUMP AND POWER SUPPLY CONNECTIONS
-FOR INTERNATIONAL 504, 2504, 606 AND 2606 TRACTORS W/2000 OR 3000 LOADER OR INDEPENDENT SUBFRAME-



REF. NO.	PART NUMBER	DESCRIPTION
1	371 543 R2	GASKET, HYDRAULIC GEAR PUMP
2	392 384 R1	O-RING, 9/16 X 11/16 X 1/16 -HYDRAULIC GEAR PUMP-
3	381 115 R92	PUMP ASSY, HYDRAULIC GEAR -7 GPM- -THOMPSON- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC PUMP- -OPTIONAL WITH 381 116 R92-
	179 849	SCREW, 3/8-16 X 2-1/2 HEX-HD TYPE 4 CAP -4-
3	381 116 R92	PUMP ASSY, HYDRAULIC GEAR -7 GPM -CESSNA- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC PUMP- -OPTIONAL WITH 381 115 R92-
	179 849	SCREW, 3/8-16 X 2-1/2 HEX-HD TYPE 4 CAP -4-
4	381 622 R1	CLIP, PRESSURE TUBE
5	381 120 R92	HOSE AND TUBE ASSY, PUMP PRESSURE
	179 823	SCREW, 5/16-18 X 1-5/8 HEX-HD CAP -2-
6	352 221 R1	O-RING, 9/16 X 3/4 X 3/32 -PRESSURE HOSE FLANGE-
7	381 426 R1	CLAMP, PRESSURE TUBE
	179 797	SCREW, 1/4-20 X 1 HEX-HD CAP
8	381 425 R11	BRACKET ASSY, PRESSURE TUBE
	179 837	SCREW, 3/8-16 X 3/4 HEX-HD CAP
	103 341	WASHER, 13/32 X 13/16 X .065 GA
9	381 118 R21	TUBE ASSY, PUMP PRESSURE
	179 847	SCREW, 3/8-16 X 2 HEX-HD CAP -3-
	103 321	WASHER, 3/8 MED LOCK -3-

-29- SECTION F
3141 BACKHOE
BKH-1

PUMP AND POWER SUPPLY CONNECTIONS -CONTINUED
-FOR INTERNATIONAL 504, 2504, 606 AND 2606 TRACTORS W/2000 OR 3000 LOADER OR INDEPENDENT SUBFRAME-

REF. NO.	PART NUMBER	DESCRIPTION
10	355 965 R1	O-RING, 15/16 X 1-3/16 X 1/8 -PRESSURE TUBE FLANGE-
11	356 005 R1	O-RING, 1-1/8 X 1-3/8 X 1/8 -PRESSURE TUBE FLANGE-
12		PUMP, HYDRAULIC INTERNAL -NOTE-
13		COVER, HYDRAULIC PUMP -NOTE-

NOTE - REFER TO TC-88 OR TC-89 PARTS CATALOG

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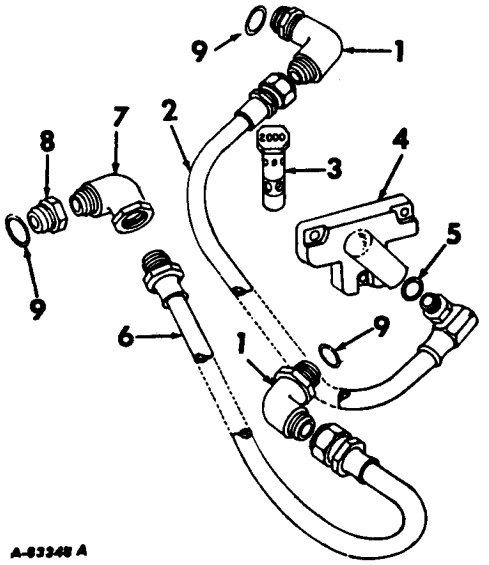
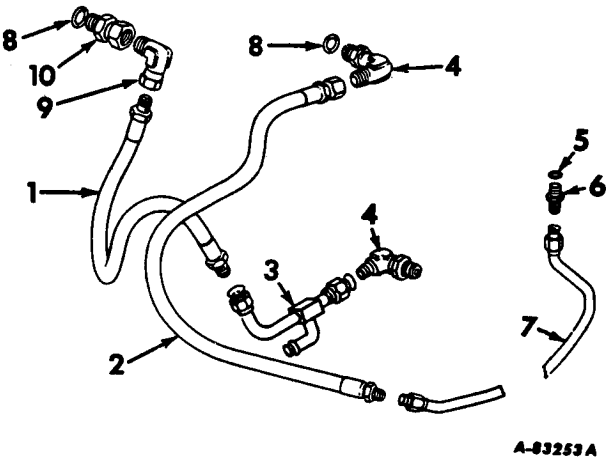
REVISION NO. 12

POWER SUPPLY CONNECTION -FOR INTERNATIONAL 504, 606, 2504 & 2606 TRACTOR W/O LOADER-



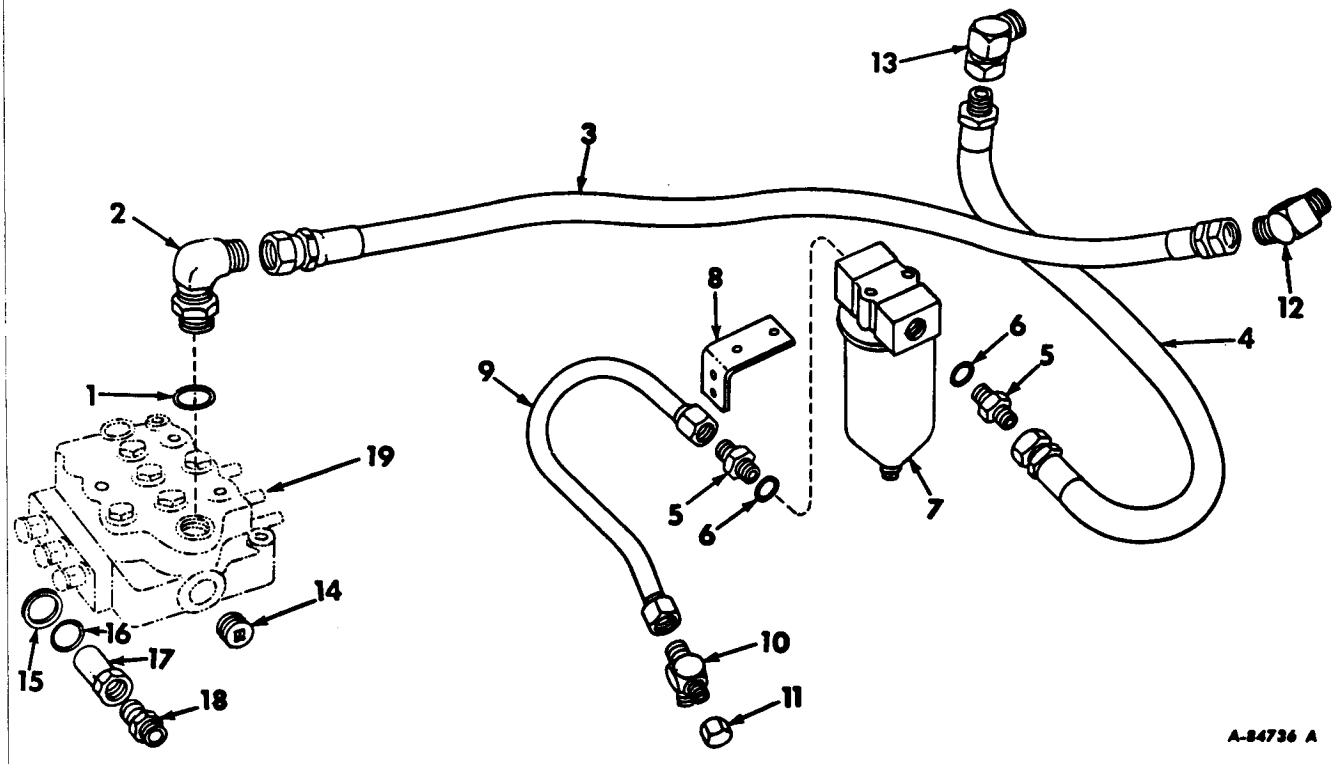
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
1	9 410 981	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ. STR THD 90 DEG -2-	
2	481 761 R91	HOSE ASSY, HYD	
3	388 208 R93	VALVE ASSY, 2000 PSI PILOT OPERATED -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF PILOT RELIEF VALVE-	
4	470 603 R3	COVER, POWER BEYOND	
5	297 459 R1	O-RING, 1.048 X .116	
6	383 941 R91	HOSE ASSY, HYD RETURN	
7	9 410 285	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL	
8	481 766 R1	ADAPTOR, 1-5/16-12 37 DEG HYD FLARED	
9	296 247 R1	O-RING, 1-11/16 X 1-13/32 X 7/64 -2-	

POWER SUPPLY CONNECTIONS -FOR I-504, 606, 2504 & 2606 TRACTORS



REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
1	470 246 R91	HOSE ASSY, 1 X 33 IN. -INLET FILTER TUBE TO HOE VALVE-	
2	394 710 R91	HOSE ASSY, 3/4 X 44 IN. -PRESSURE TUBE TO HOE VALVE-	
3	479 358 R91	TEE ASSY, DUMPLINE	
4	9 410 981	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG -2-	
5	297 459 R1	O-RING, 1.048 X .116	
6	9 410 206	CONNECTOR, 1-3/16-12 C-Z PLTD FLARED TUBE SWIVEL	
7	470 249 R11	TUBE ASSY, PRESSURE	
8	296 247 R1	O-RING, 1-11/16 X 1-13/32 X 7/64 -2-	
9	9 410 285	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL	
10	481 766 R1	ADAPTER, 1-5/16-12 37 DEG HYD FLARED	

POWER SUPPLY FOR 500 CRAWLER TRACTOR



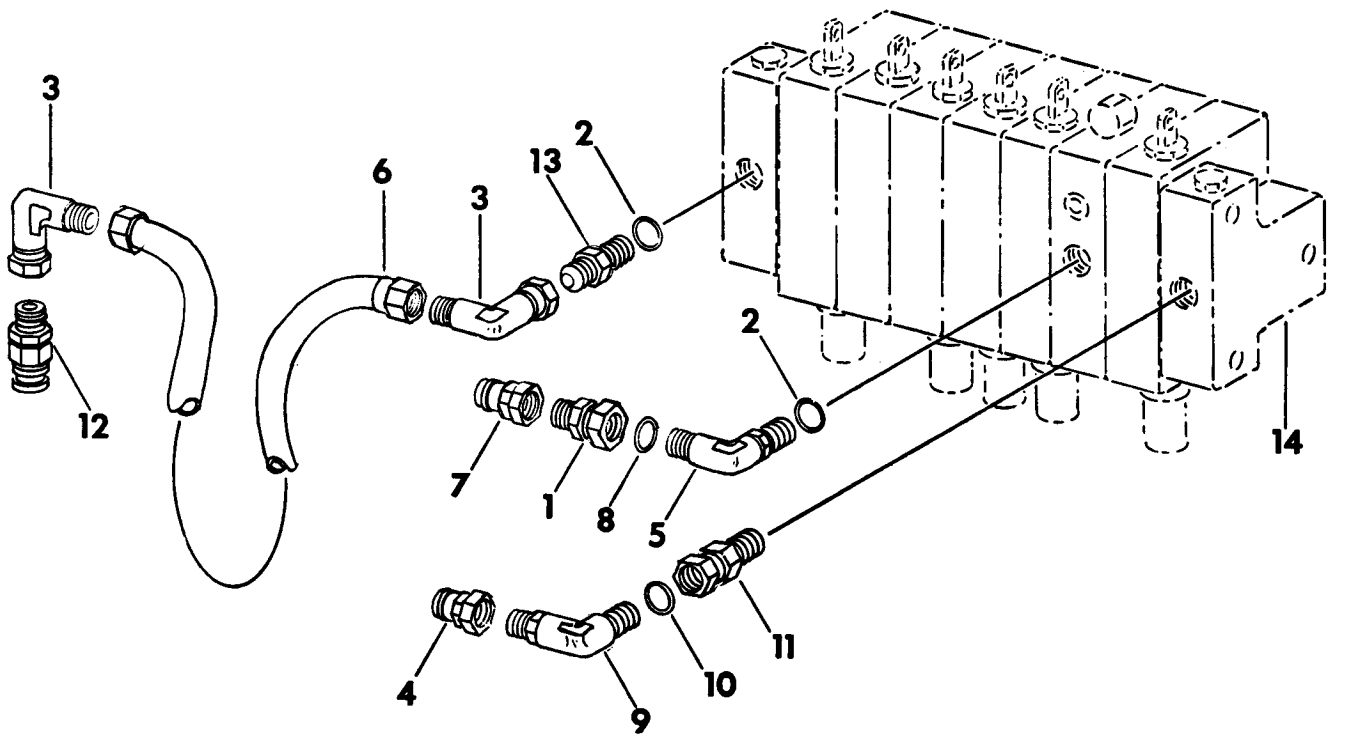
REF. NO.	PART NUMBER	DESCRIPTION
1	297 459 R1	O-RING, 7/8 OD TUBE
2	9 410 980	ELBOW, 1-3/16-12 90 DEG ADJ STR THR
3	482 042 R91	HOSE ASSY, HYD PRESSURE
4	383 941 R91	HOSE ASSY, RETURN
5	9 410 207	CONNECTOR, 1-5/16-12 37 DEG HYD FLARED TUBE SHORT SWIVEL -2-
6	296 247 R1	O-RING, 1 IN. OD TUBE -2-
7	471 133 R92	FILTER ASSY, OIL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF OIL FILTER-
8	483 132 R1	BRACKET, FILTER
	120 376	NUT, 5/16-18 C-Z HEX. -2-
	180 122	SCREW, 3/8-16 X 1 C-Z HEX-HD CAP -2-
	180 079	SCREW, 5/16-18 X 1 C-Z HEX-HD CAP -2-
	120 382	WASHER, 3/8 C-Z MED LOCK -2-
	120 214	WASHER, 5/16 C-Z MED LOCK -2-
9	483 131 R11	TUBE ASSY, FILTER
10	482 043 R1	TEE, HYD FITTING
11	9 403 373	CAP, 7/8-14 37 DEG FLARED FEMALE
12	9 410 981	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG
13	9 410 981	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL

3141 BACKHOE -31- SECTION F

POWER SUPPLY FOR 500 CRAWLER TRACTOR -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
14	444 667	PLUG, 1/2-14 AUTO-SQ-SOC PIPE -FOR HUSCO VALVE POWER BEYOND-
15	635 971 R1	GASKET -FOR GRESEN VALVE POWER BEYOND SLEEVE-
16	666 218 R1	O-RING -FOR GRESEN VALVE POWER POWER BEYOND SLEEVE-
17	666 217 R1	SLEEVE, POWER BEYOND -FOR GRESEN VALVE-
18	9 402 712	CONNECTOR, 3/4 NPIF X 1-3/16-12 37 DEG FLARE -FOR GRESEN VALVE-
19		VALVE, CONTROL -REFER TO TC-203 PARTS CATALOG-

POWER SUPPLY CONNECTIONS
-FOR 500C CRAWLER TRACTORS-



CA-1906

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
1	481 766 R1	ADAPTER	
2	296 247 R1	O-RING -2-	
3	9 402 947	ELBOW, 1-5/16-12 37 DEG. HYD FLARED TUBE 90 DEG UNION -2-	
4	395 149 R1	COUPLER ASSY, SELF SEALING MALE	
5	9 410 981	ELBOW, 1-5/16-12 37 DEG. HYD FLARED TUBE 90 DEG.	
6	492 621 R1	HOSE ASSY, RETURN LINE	
7	480 743 R91	COUPLING ASSY, SELF SEALING MALE	
8	343 905 R1	O-RING, 1-3/16 X 1-3/8 X .109	
9	9 410 978	ELBOW, 7/8-14 37 DEG. HYD FLARED TUBE ADJ STR THD 90 DEG.	
10	364 885 R1	O-RING, 5/8 TUBE -2-	
11	485 313 R1	ADAPTOR	
12	480 744 R91	COUPLER, HYD QUICK DISCONNECT	
13	9 410 207	UNION, 1-5/16-12 37 DEG. FLARED TUBE SHORT SWIVEL	
14		VALVES, HYDRAULIC CONTROL -REFER TO HYDRAULIC CONTROL VALVES LISTING-	

3141 BACKHOE -32- SECTION F

POWER SUPPLY CONNECTIONS -CONTINUED
-FOR 500C CRAWLER TRACTORS-

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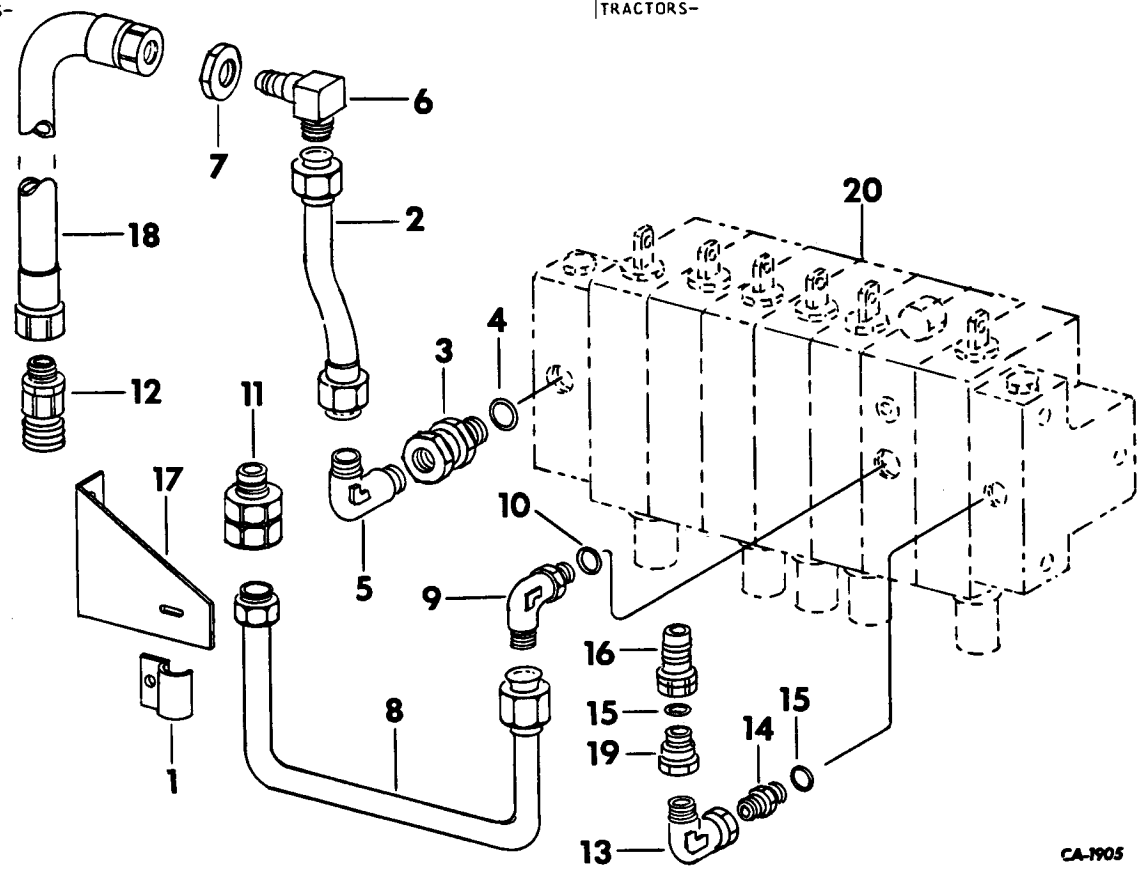
POWER SUPPLY CONNECTIONS
-T7, TD7, TD8, 100 AND 125C CRAWLER TRACTORS-



REF. NO.	PART NUMBER	DESCRIPTION
1	540 962 R1	CLAMP, TUBE
	180 075	SCREW, 5/16-18 X 5/8 ZND HEX-HD CAP
	120 214	WASHER, 5/16 C-Z MED LOCK
	120 376	NUT, 5/16-18 C-Z HEX.
2	540 964 R1	TUBE ASSY, RETURN LINE
3	481 766 R1	ADAPTER
4	296 247 R1	O-RING
5	9 402 947	ELBOW, 1-15/16-12 37 DEG HYD FLARED TUBE 90 DEG UNION -2-
6	541 285 R1	ELBOW, BULKHEAD 90 DEG
7	9 403 298	NUT, 1-5/16-12 C-Z BULKHEAD UNION LOCK
8	540 963 R1	TUBE ASSY, 17 GAL. SUPPLY
9	9 410 980	ELBOW, 1-3/16-12 37 DEG HYD FLARED TUBE ADJ STR-THD 90 DEG
10	297 459 R1	O-RING, 1-3/64 X 1-9/32 X 1/8
11	480 745 R1	NIPPLE, HYD SNAP TITE
12	480 744 R1	COUPLER ASSY, HYD SNAP TITE
13	9 410 282	ELBOW, 7/8-14 37 DEG. HYD FLARED TUBE 90 DEG. SWIVEL
14	9 410 204	CONNECTOR, 7/8-14 37 DEG. HYD FLARED
15	364 885 R1	O-RING, 5/8 TUBE
16	395 149 R1	COUPLER ASSY, SELF SEALING MALE
17	540 965 R1	BRACKET, TUBE ANCHOR

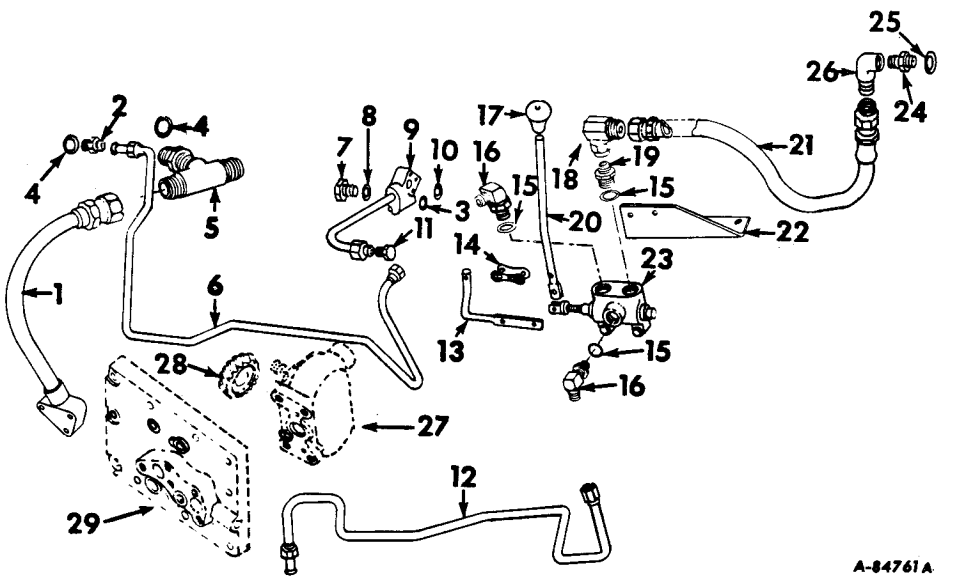
-33- SECTION F
3141 BACKHOE
BKH-1

POWER SUPPLY CONNECTIONS -CONTINUED
-T7, TD7, TD8, 100 AND 125C CRAWLER TRACTORS-

REF. NO.	PART NUMBER	DESCRIPTION
18	548 175 R1	HOSE ASSY, RETURN LINE
19	485 313 R1	ADAPTOR
20		VALVES, HYD CONTROL -REFER TO HYDRAULIC CONTROL VALVES LISTING-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

FLANGE AND POWER SUPPLY CONNECTIONS
-SEE NOTE-



1		475 186 R91	HOSE ASSY, 17 GPM PRESSURE
2		573 206 R1	CONNECTOR, 5/8 HYD 37 DEG FLARED TUBE SHORT SWIVEL
3		356 005 R1	O-RING, 1-1/8 X 1-3/8 X 1/8 TUBE FLANGE SUCTION CONNECTION
4		368 269 R1	O-RING, 59/64 X 1-1/16 X 7/64 -2-
5	9	411 120	TEE, 3/4 HYD 37 DEG FLARED TUBE ADJ STR THD
6		475 187 R11	TUBE ASSY, DIVERTER VALVE TO STEERING
7	9	410 359	PLUG, 1/2 TUBE STR THD O-RING BOSS IN DRAFT CONTROL TUBE FLANGE
8		570 828 R1	O-RING, 1/2 TUBE
9		469 905 R91	TUBE ASSY, DRAFT CONTROL
		180 130	SCREW, 3/8 X 2 C-Z HEX-HD -3-
		120 382	WASHER, 3/8 C-Z LOCK -3-
10		355 965 R1	O-RING, 15/16 X 1-3/16 X 1/8 TUBE FLANGE POWER CONNECTIONS
11	9	403 334	PLUG, 5/8 HYD 37 DEG FLARED TUBE
12		474 477 R11	PIPE ASSY, DIVERTER
13		478 886 R1	SUPPORT, DIVERTER VALVE LEVER
14		587 372 R91	LINK, CHAIN ASSY
15		364 885 R1	O-RING, .755 X .097 CLASS 4 -3-
16	9	410 978	ELBOW, 7/8-14 C-Z 37 DEG HYD -2-
17		53 717 DA	KNOB, DIVERTER VALVE LEVER
18	9	410 282	ELBOW, 5/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL
19	9	410 204	CONNECTOR, 7/8-14 C-Z 37 DEG HYD FLARED TUBE SHORT SWIVEL

3141 BACKHOE -34- SECTION F

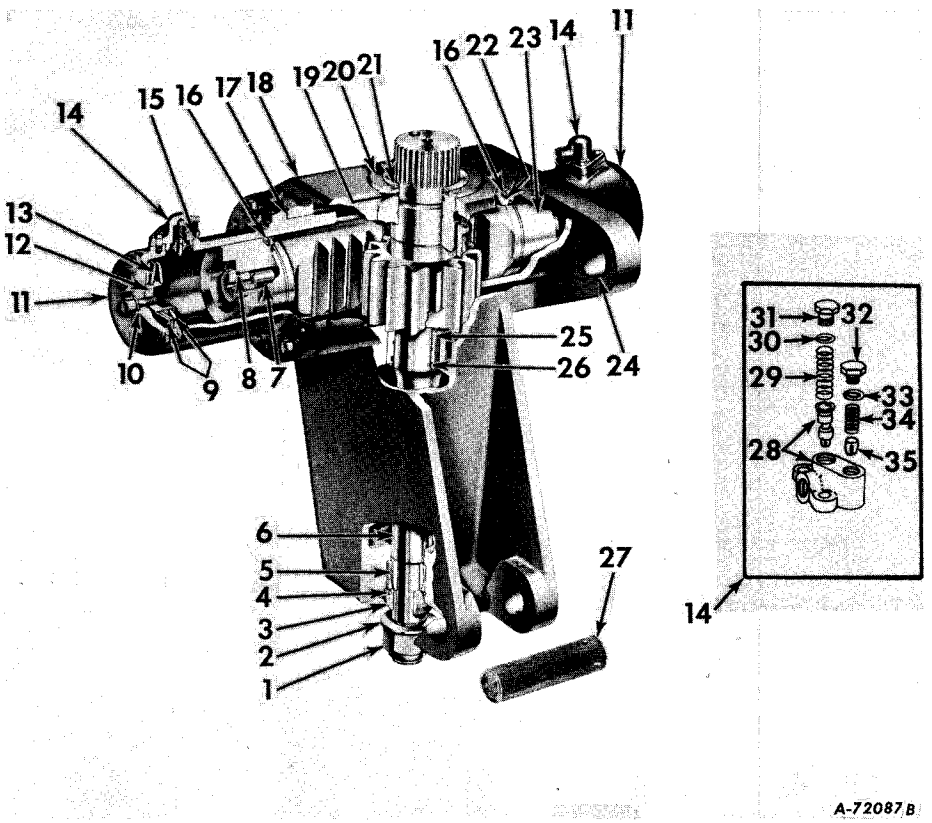
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

FLANGE AND POWER SUPPLY CONNECTIONS -CONTINUED
-SEE NOTE-

20		478 885 R3	LEVER, DIVERTER VALVE
		669 546 R1	PIN, LEVER
		19 454 R1	PIN, 5/64 X 7/16 COT.
21		338 345 R91	HOSE ASSY, PRESSURE
22		474 478 R1	BASE, DIVERTER VALVE
23		478 887 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVES-
		120 376	NUT, 5/16-18 C-Z HEX. -2-
		180 086	SCREW, 5/16-18 X 1-7/8 C-Z HEX-HD CAP -2-
		120 214	WASHER, 5/16 C-Z MED -2-
24	9	410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL
25		364 885 R1	O-RING, 5/8 TUBE
26	9	410 282	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE 90 DEG SWIVEL
27			PUMP, HYDRAULIC INTERNAL -REFER TO TC-88 OR TC-89 PARTS CATALOGS-
28			GEAR, DRIVE PUMP -FOR 606 AND 2606 TRACTORS- -REFER TO TC-89 PARTS CATALOG-
29			COVER, HYDRAULIC PUMP -REFER TO TC-88 OR TC-89 PARTS CATALOGS-

NOTE - FOR INTERNATIONAL 504, 606, 2504 AND 2606 TRACTORS EQUIPPED WITH 2000 OR 3000 LOADER OR INDEPENDENT SUBFRAME-

SWING MECHANISM



REF. NO.	PART NUMBER	DESCRIPTION
1	18 460 R1	NUT, 1-1/2-12 ESNA STOP
2	469 079 R1	WASHER, SWING SHAFT
3	468 336 R1	SPACER, LOWER SWING SHAFT BRG
4	468 337 R1	RING, LOWER SWING SHAFT BUSHING SNAP
5	294 885 R92	BUSHING W/BALL, SWING SHAFT -OPTIONAL W/493 873 R91-
5	493 873 R91	BUSHING W/BALL, SWING SHAFT -OPTIONAL W/294 885 R92-
6	468 330 R1	SHAFT, BACKHOE SWING
7	394 311 R91	VALVE ASSY, SWING PISTON SAFETY -2-
8	296 247 R1	O-RING, 1 OD TUBE -2- -ON SAFETY VALVE ASSY-
9	468 345 R1	SPRING, SWING PISTON BUMPER -4- -FOR 17.1 IN. LONG CYLINDER-
10	299 496 R1	SEAL, BUMPER SPRING RETAINER SCREW DYNA -2- -FOR 17.1 IN. LONG CYLINDER-
	11 002 VA	WASHER, 17/32 X 7/8 X 16 GA -2- -FOR 17.1 IN. LONG CYLINDER-

-35- SECTION F
3141 BACKHOE

SWING MECHANISM -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
11	481 807 R1	CYLINDER, BACKHOE SWING -2- -FOR 17.1 IN. LONG CYLINDER-
11	488 499 R1	BODY, BACKHOE SWING CYLINDER -2- -FOR 18.1 IN. LONG CYLINDER-
	484 667 R1	SCREW, 5/8-11 X 1-1/2 HEX-HD CAP -16-
	180 177	SCREW, 1/2-13 X 1-1/2 CD OR ZN-PLTD HEX-HD CAP -2- -FOR 17.1 IN. LONG CYLINDER-
9	410 358	PLUG, 9/16-18 C-Z STR THD O-RING BOSS -2- -FOR 18.1 IN. LONG CYLINDER-
	364 839 R1	O-RING, 3/8 OD TUBE -2- -FOR 18.1 IN. LONG CYLINDER-
12	468 343 R1	RETAINER, SWING CYL BUMPER SPRING -2- -FOR 17.1 IN. LONG CYLINDER-
13	470 471 R1	SPRING, SWING PISTON BUMPER -2- -FOR 17.1 IN. LONG CYLINDER-
14	392 941 R91	VALVE ASSY, DECELERATOR -2-
	138 222	SCREW, 5/16-18 X 3/4 HEX-HD SOCKET CAP -6-
15	481 767 R1	O-RING, 1-1/2 X 1-11/16 X 3/32 -2- -BETWEEN VALVE HOUSING & SWING CYL
16	468 340 R1	RING, SWING PISTON -2-
17	285 253 R1	O-RING, 5-1/2 X 5-3/4 X 1/8 -2- -BACKHOE SWING CYL-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	SWING MECHANISM -CONTINUED		
18	481 806 R31	HOUSING W/BUSHINGS, SWING	
	109 461	FITTING, 1/8-27 PTF STR LUB	
9	410 360	PLUG, 7/8-14 C-Z STR-THD O-RING BOSS	
	364 885 R1	O-RING, 5/8 OD TUBE	
		-O-RING BOSS PLUG-	
	479 670 R1	SCREW, 1/2-13 X 2 HEX-SOC-HD	
		HALF DOG PT SET	
19	468 335 R1	O-RING, 3-3/8 X 3-3/4 X 3/16	
		-FOR UPPER SWING SHAFT BUSHING-	
	489 532 R1	WASHER, BACKUP	
20	468 333 R2	BUSHING, UPPER SWING SHAFT	
	380 595 R1	O-RING, 5-5/8 X 5-7/8 X 1/8	
		-UPPER SWING SHAFT BUSHING-	
21	468 334 R91	SEAL, UPPER SWING SHAFT BUSHING DUST	
22	468 339 R1	O-RING, 4 X 4-1/4 X 1/8 -2-	
		-ON SWING MECHANISM PISTON-	
23	468 338 R1	PISTON, SWING MECHANISM	
		-FOR 17.1 IN. LONG CYLINDER-	
23	488 498 R1	PISTON, SWING MECHANISM	
		-FOR 18.1 IN. LONG CYLINDER-	
24	468 366 R1	BUSHING, BOOM PIVOT PIN -2-	
25	468 332 R1	BUSHING, LOWER SWING SHAFT BRONZE	
26	471 140 R1	O-RING, 3 X 3-3/8 X 3/16	
		-FOR POWER SWING SHAFT BUSHING-	
27	468 370 R1	PIN, BOOM CYL LOWER	
	177 923	PIN, 1/8 X 3/4 CD OR ZN-PLTD COT.	
		-2-	
	631 252 R1	PIN, 3/8 X 4-1/8 STD-HD -2-	
28	392 945 R91	HOUSING ASSY, VALVE	
29	392 963 R1	SPRING, VALVE PISTON	
30	364 885 R1	O-RING, 3/4 X 15/16 X 3/32	
31	392 964 R1	PLUG, PISTON	
32	392 962 R11	PLUG ASSY, CHECK VALVE	
33	570 828 R1	O-RING, 1/2 OD TUBE	
34	382 915 R1	SPRING ASSY, CHECK VALVE	
35	382 916 R1	POPPET, CHECK VALVE	

3141 BACKHOE -36- SECTION F

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

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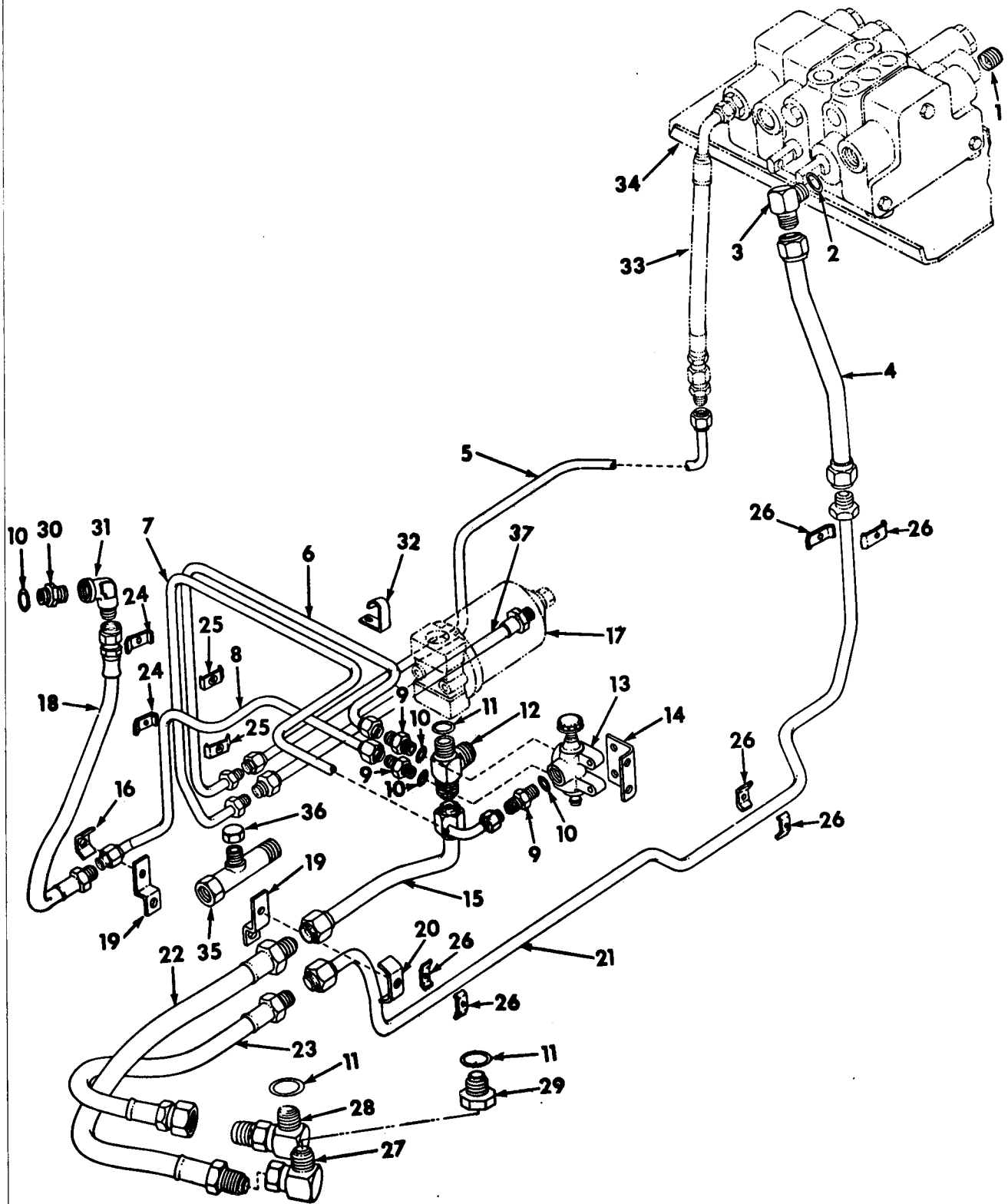
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS -FOR USE ON INTERNATIONAL 3514 & 3616 LOADER TRACTORS-



-37- SECTION F
3141 BACKHOE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS -FOR USE ON -CONTINUED INTERNATIONAL 3514 & 3616 LOADER TRACTORS-

PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -FOR USE ON -CONTINUED INTERNATIONAL 3514 & 3616 LOADER TRACTORS-	
1	444 702	PLUG, 1/2-14 AUTOMOTIVE HEX. SOC	
1	444 697	PLUG, 3/8-18 AUTOMOTIVE HEX. SOC	
2	297 459 R1	O-RING, 7/8 OD TUBE	
3	9 410 980	ELBOW, 1-3/16-12 37 DEG HYD FLARED TUBE STR THD 90 DEG	
4	394 439 R11	TUBE ASSY, HYD LOADER VALVE TO BACKHOE PRESSURE TUBE	
5	480 979 R21	PIPE ASSY, INTERMEDIATE DIVERTER VALVE TO FLOW DIVIDER	
6	480 980 R11	PIPE ASSY, DIVERTER VALVE TO INTERMEDIATE TUBE TO FLOW DIVIDER	
	494 418 R1	HOSE, TUBE CUSHION	
7	480 978 R11	PIPE ASSY, BELLY PUMP HOSE TO DIVERTER VALVE	
8	481 732 R11	PIPE ASSY, DIVERTER VALVE TO BACKHOE SWING BOTTOM PORT	
9	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL -3-	
10	364 885 R1	O-RING, 5/8 TUBE -4-	
11	296 247 R1	O-RING, 1-11/16 X 1-13/32 X 7/64 -3-	
12	9 411 135	TEE, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG	
13	389 251 R92	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVES- OPTIONAL WITH 383 946 R91-	
13	383 946 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVES- OPTIONAL WITH 389 251 R92-	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
	180 085	SCREW, 5/16-18 X 1-3/4 C-Z HEX-HD CAP -2-	
	120 214	WASHER, 5/16 C-Z MED LOCK -2-	
14	480 702 R1	BRACKET, DIVERTER VALVE	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
	180 077	SCREW, 5/16-18 X 3/4 C-Z HEX-HD CAP -2-	
	120 214	WASHER, 5/16 C-Z MED LOCK -2-	
15	480 982 R11	PIPE ASSY, BACKHOE RETURN TO FILTER	
16	470 245 R1	CLAMP, TUBE	
	180 178	SCREW, 1/2-13 X 1-5/8 C-Z HEX-HD CAP	
	120 384	WASHER, 1/2 C-Z MED LOCK	
	120 378	NUT, 1/2-13 C-Z HEX.	
17		OIL FILTER - REFER TO OIL FILTER UNIT-	
18	477 880 R91	HOSE ASSY, TRACTOR TO BACKHOE -40 IN. LONG-	
19	480 706 R1	BRACKET, BACKHOE TUBES -2-	
	271 562	SCREW, 5/8-11 X 2 C-Z HEX-HD CAP -2-	
20	469 996 R1	CLAMP, BACKHOE TUBES	
	120 378	NUT, 1/2-13 C-Z HEX.	
	180 177	SCREW, 1/2-13 X 1-1/2 C-Z HEX-HD CAP	
	120 384	WASHER, 1/2 C-Z MED LOCK	
21	490 664 R2	PIPE ASSY, LOADER TO BACKHOE 22 GPM PRESSURE -REPLACES PIPE ASSY, 480 976 R11-	
22	484 898 R91	HOSE ASSY, RETURN BACKHOE TO TRACTOR -54 IN. LONG-	
	271 547	SCREW, 5/8-11 X 1-1/2 C-Z HEX-HD CAP	

3141 BACKHOE -38- SECTION F

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -FOR USE ON -CONTINUED INTERNATIONAL 3514 & 3616 LOADER TRACTORS-	
23	484 897 R91	HOSE ASSY, 17 GPM PUMP PRESSURE -50 IN. LONG-	
24	384 855 R1	CLAMP, HYD TUBE -2-	
25	384 855 R11	CLAMP ASSY, HYD TUBE -2-	
	180 021	SCREW, 1/4-20 X 7/8 C-Z HEX-HD CAP -2-	
	120 380	WASHER, 1/4 C-Z MED LOCK -2-	
26	379 045 R1	CLAMP -6-	
	120 376	NUT, 5/16-18 C-Z HEX. -3-	
	180 086	SCREW, 5/16-18 X 1-7/8 C-Z HEX-HD CAP	
	120 214	WASHER, 5/16 C-Z MED LOCK -3-	
27	9 410 285	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL	
28	9 410 981	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG	
29	481 766 R1	ADAPTER, 1-5/16- 12 37 DEG HYD FLARED	
30	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL	
31	9 410 282	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE 90 DEG SWIVEL	
32	484 782 R1	CLAMP	
33		HOSE ASSY, PRESSURE TO LH END COVER -REFER TO TC 112 PARTS CATALOG-	
34		VALVE BANK -REFER TO HYDRAULIC CONTROL VALVES UNIT-	
35	485 314 R2	TEE, SWIVEL RUN REDUCER	
36	9 403 373	CAP, 7/8-14 37 DEG HYD FLARED	
37	401 168 R1	HOSE ASSY, 20 IN. LONG -REFER TO TC-107 PARTS CATALOG-	

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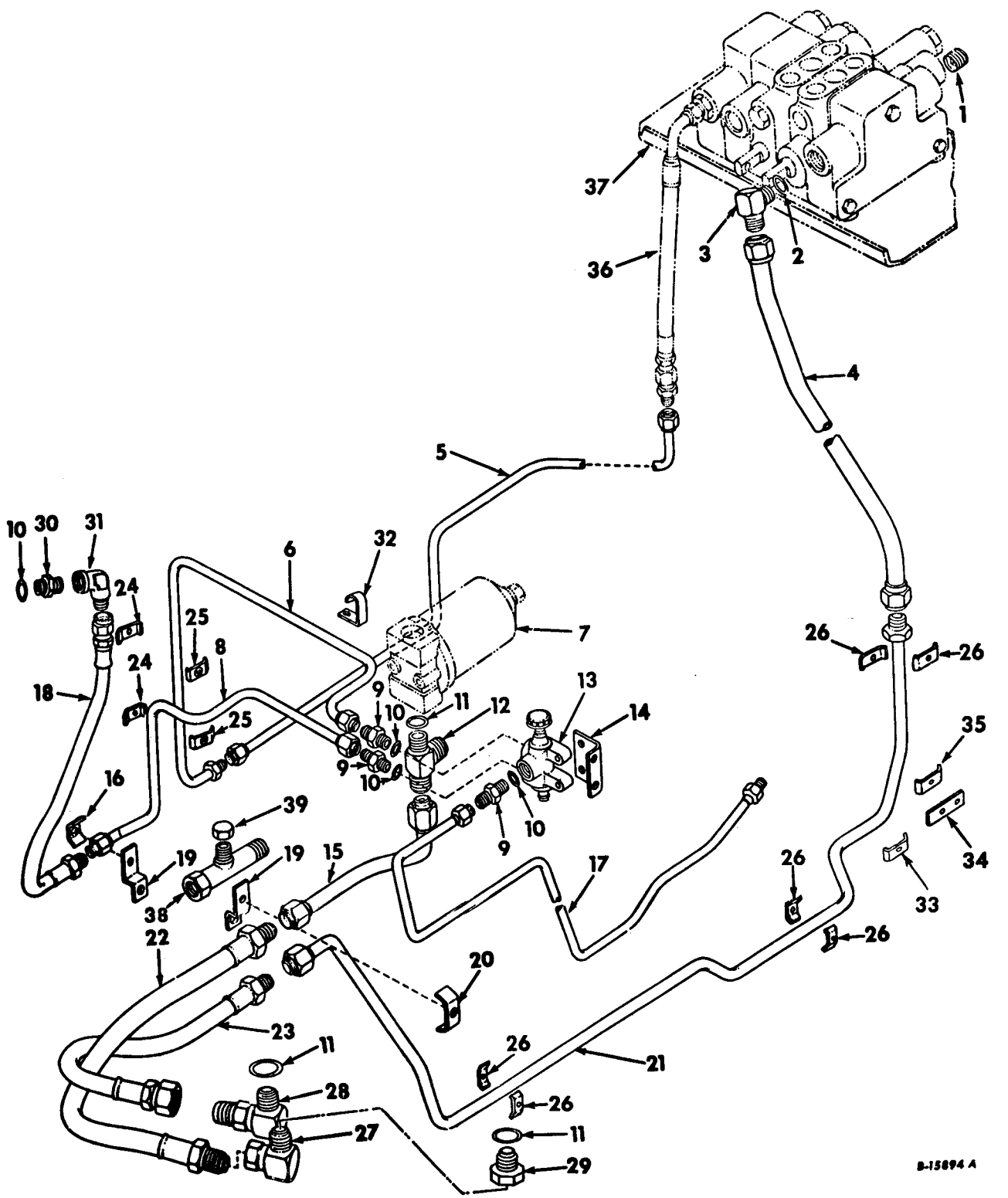
HYDRAULIC CONNECTIONS
-FOR I 3514 AND 3616 LOADER TRACTORS
W/ HYDROSTATIC TRANSMISSION

-39- SECTION F
3141 BACKHOE
REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

HYDRAULIC CONNECTIONS -CONTINUED
-FOR I 3514 AND 3616 LOADER TRACTORS
W/ HYDROSTATIC TRANSMISSION



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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -CONTINUED -FOR I 3514 AND 3616 LOADER TRACTORS W/ HYDROSTATIC TRANSMISSION	
1	444 702	PLUG, 1/2-14 AUTOMOTIVE HEX. SOC	
1	444 697	PLUG, 3/8-18 AUTOMOTIVE HEX. SOC	
2	297 459 R1	O-RING, 7/8 OD TUBE	
3	9 410 980	ELBOW, 1-3/16-12 37 DEG HYD FLARED TUBE STR THD 90 DEG	
4	394 439 R11	TUBE ASSY, HYD LOADER VALVE TO BACKHOE PRESSURE TUBE	
5	480 979 R21	PIPE ASSY, INTERMEDIATE DIVERTER VALVE TO FLOW DIVIDER	
6	480 980 R11	PIPE ASSY, DIVERTER VALVE TO INTERMEDIATE TUBE TO FLOW DIVIDER	
	394 418 R1	HOSE, TUBE CUSHION	
7		OIL FILTER -REFER TO OIL FILTER UNIT-	
8	481 732 R11	PIPE ASSY, DIVERTER VALVE TO BACKHOE SWING BOTTOM PORT	
9	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL -3-	
10	364 885 R1	O-RING, 5/8 TUBE -4-	
11	296 247 R1	O-RING, 1-11/16 X 1-13/32 X 7/64 -3-	
12	9 411 135	TEE, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG	
13	389 251 R92	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVES- OPTIONAL WITH 383 946 R91-	
13	383 946 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVES- OPTIONAL WITH 389 251 R92-	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
	180 085	SCREW, 5/16-18 X 1-3/4 C-Z HEX-HD CAP -2-	
	120 214	WASHER, 5/16 C-Z MED LOCK -2-	
14	480 702 R1	BRACKET, DIVERTER VALVE	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
	180 077	SCREW, 5/16-18 X 3/4 C-Z HEX-HD CAP -2-	
	120 214	WASHER, 5/16 C-Z MED LOCK -2-	
15	480 982 R11	PIPE ASSY, BACKHOE RETURN TO FILTER	
16	470 245 R1	CLAMP, TUBE	
	180 178	SCREW, 1/2-13 X 1-5/8 C-Z HEX-HD CAP	
	120 384	WASHER, 1/2 C-Z MED LOCK	
	120 378	NUT, 1/2-13 C-Z HEX.	
17	489 039 R1	TUBE ASSY, DIVERTER VALVE PRESS	
18	477 880 R91	HOSE ASSY, TRACTOR TO BACKHOE -40 IN. LONG-	
19	480 706 R1	BRACKET, BACKHOE TUBES -2-	
	271 562	SCREW, 5/8-11 X 2 C-Z HEX-HD CAP -2-	
20	469 996 R1	CLAMP, BACKHOE TUBES	
	120 378	NUT, 1/2-13 C-Z HEX.	
	180 177	SCREW, 1/2-13 X 1-1/2 C-Z HEX-HD CAP	
	120 384	WASHER, 1/2 C-Z MED LOCK	
21	490 664 R2	PIPE ASSY, LOADER TO BACKHOE 22 GPM PRESSURE	
22	484 898 R91	HOSE ASSY, RETURN BACKHOE TO TRACTOR -54 IN. LONG-	
	271 547	SCREW, 5/8-11 X 1-1/2 C-Z HEX-HD CAP	
23	484 897 R91	HOSE ASSY, 17 GPM PUMP PRESSURE -50 IN. LONG-	
24	384 855 R1	CLAMP, HYD TUBE -2-	

3141 BACKHOE -40- SECTION F

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -CONTINUED -FOR I 3514 AND 3616 LOADER TRACTORS W/ HYDROSTATIC TRANSMISSION	
25	384 855 R11	CLAMP ASSY, HYD TUBE -2-	
	180 021	SCREW, 1/4-20 X 7/8 C-Z HEX-HD CAP -2-	
	120 380	WASHER, 1/4 C-Z MED LOCK -2-	
26	379 045 R1	CLAMP -6-	
	120 376	NUT, 5/16-18 C-Z HEX. -3-	
	180 086	SCREW, 5/16-18 X 1-7/8 C-Z HEX-HD CAP -3-	
	120 214	WASHER, 5/16 C-Z MED LOCK -3-	
27	9 410 285	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL	
28	9 410 981	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG	
29	481 766 R1	ADAPTER, 1-5/16- 12 37 DEG HYD FLARED	
30	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL	
31	9 410 282	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE 90 DEG SWIVEL	
32	484 782 R1	CLAMP	
33	179 149	CLAMP	
34	400 502 R1	CLAMP, BAR	
	180 083	SCREW, 5/16-18 X 1-1/2 C-Z HEX-HD -2-	
	180 079	SCREW, 5/16-18 X 1 C-Z HEX-HD CAP -2-	
	120 214	WASHER, 5/16 C-Z MED LOCK -2-	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
35	391 478 R2	CLAMP, TUBE	
36		HOSE ASSY, PRESSURE TO LH END COVER -REFER TO TC-112 PARTS CATALOG-	
37		VALVE BANK -REFER TO HYDRAULIC CONTROL VALVES UNIT-	
38	485 314 R2	TEE, SWIVEL RUN REDUCER	
39	9 403 373	CAP, 7/8-14 37 DEG HYD FLARED TUBE	

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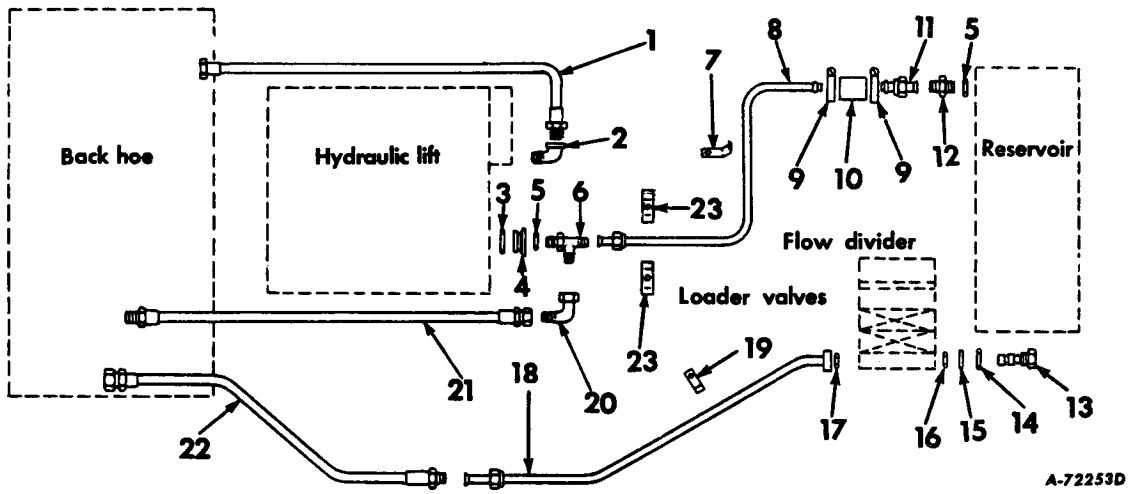
BKH-1

HYDRAULIC CONNECTIONS -FOR 3414 LOADER TRACTOR W/HYDRAULIC LIFT-



REF. NO.	PART NUMBER	DESCRIPTION
1	470 816 R91	HOSE ASSY, 1/2 X 48-1/2 HYDRAULIC
2	444 044	ELBOW, 1/2-14 AUTO. 90 DEG BRS STREET
3	382 781 R1	O-RING, 1-3/4 X 1-15/16 X 3/32
4	381 777 R1	PLUG, LIFT RETURN
5	296 247 R1	O-RING, 1.171 X .116 -2-
6	9 411 135	TEE, 1-5/16-12 C-Z FLARED TUBE 90 DEG STL
7	384 291 R1	CLAMP, RETURN TUBE SCREW, 3/8-16 X 1-1/8 HEX-HD CAP
8	381 778 R11	TUBE ASSY, RETURN
9	39 128 H	CLAMP, HOSE -2-
10	380 521 R1	HOSE, 1 X 3 IN.
11	383 051 R11	TUBE ASSY, RETURN FRONT
12	9 410 207	CONNECTOR, 1-5/16-12 C-Z FLARED TUBE SWIVEL
13	470 583 R1	PLUG, POWER BEYOND -2-
14	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -5-
15	470 584 R1	WASHER, BACK-UP -2-
16	470 585 R1	O-RING, 1/2 X 11/16 X 3/32
17	382 137 R1	O-RING, 1 X 1-3/16 X 3/32
18	469 783 R11	TUBE ASSY, LOADER VALVE TO AUXILIARY VALVE
	179 840	SCREW, 3/8-16 X 1-1/8 C-Z HEX-HD CAP -2-
	103 321	WASHER, 3/8 C-Z MED LOCK -2-
19	383 122 R1	CLAMP, LOADER VALVE TO AUXILIARY VALVE
20	9 410 285	ELBOW, 1-5/16-12 C-Z FLARED TUBE 90 DEG SWIVEL
21	483 141 R91	HOSE ASSY, HYDRAULIC RETURN
22	481 762 R91	HOSE ASSY, HYDRAULIC - 17 GPM PRESSURE
23	383 120 R1	BRACKET, TUBE -2-
	179 824	SCREW, 5/16 X 1-3/4 HEX-HD CAP
	103 320	WASHER, 5/16 LOCK
	102 634	NUT, 5/16 HEX.

3141 BACKHOE -41- SECTION F
BKH-1
HYDRAULIC CONNECTIONS -FOR 3414 LOADER -CONTINUED TRACTOR W/HYDRAULIC LIFT-
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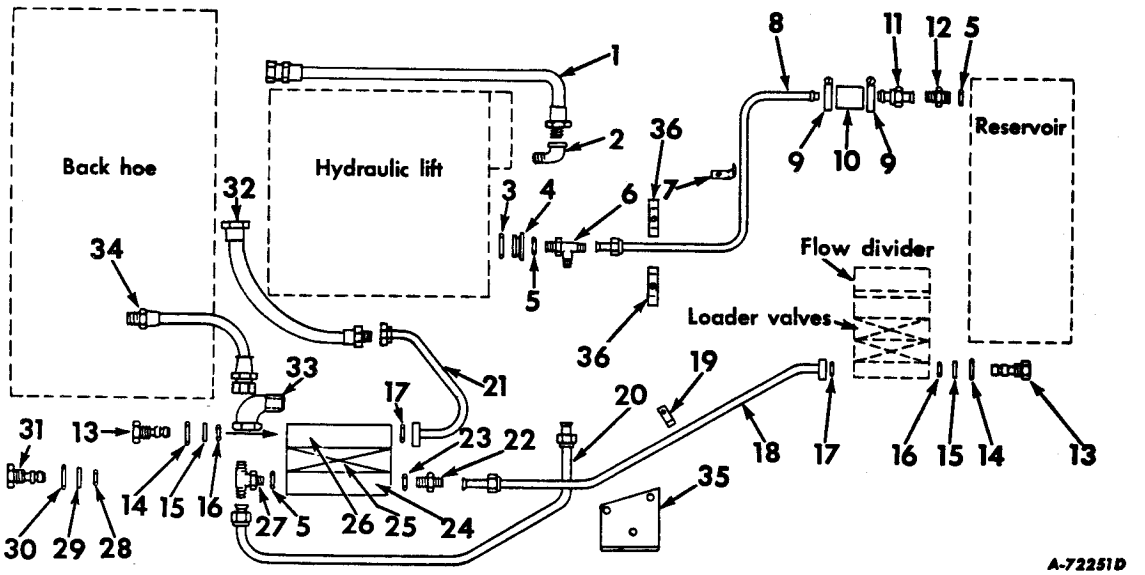
REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

HYDRAULIC CONNECTIONS FOR 3414 LOADER
TRACTOR W/HYDRAULIC LIFT & AUXILIARY VALVE



REF. NO.	PART NUMBER	DESCRIPTION
1	470 816 R91	HOSE ASSY, 1/2 X 48-1/2 HYDRAULIC
2	444 044	ELBOW, 1/2-14 AUTO. 90 DEG STREET
3	382 781 R1	O-RING, 1-3/4 X 1-15/16 X 3/32
4	381 777 R1	PLUG, LIFT RETURN
5	296 247 R1	O-RING, 1.171 X .116 -3-
6	9 411 135	TEE, 1-5/16-12 C-Z FLARED TUBE 90 DEG ADJ
7	384 291 R1	CLAMP, RETURN TUBE SCREW, 3/8-16 X 1-1/8 HEX-HD CAP
8	381 778 R11	TUBE ASSY, RETURN
9	39 128 H	CLAMP, HOSE -2-
10	380 521 R1	HOSE, 1 X 3 IN.
11	383 051 R11	TUBE ASSY, RETURN FRONT
12	9 410 207	CONNECTOR, 1-5/16-12 C-Z FLARED TUBE SWIVEL
13	470 583 R1	PLUG, POWER BEYOND -2-
14	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -2-
15	470 584 R1	WASHER, BACK-UP -2-
16	470 585 R1	O-RING, 1/2 X 11/16 X 3/32 -2-
17	382 137 R1	O-RING, 1 X 1-3/16 X 3/32 -2-
18	469 783 R11	TUBE ASSY, LOADER VALVE TO AUXILIARY VALVE SCREW, 3/8-16 X 1-1/8 C-Z HEX-HD CAP -2- WASHER, 3/8 C-Z MED LOCK -2-
19	383 122 R1	CLAMP, LOADER VALVE TO AUXILIARY VALVE TUBE
20	471 116 R11	TUBE ASSY, AUXILIARY VALVE RETURN

3141 BACKHOE -42- SECTION F

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

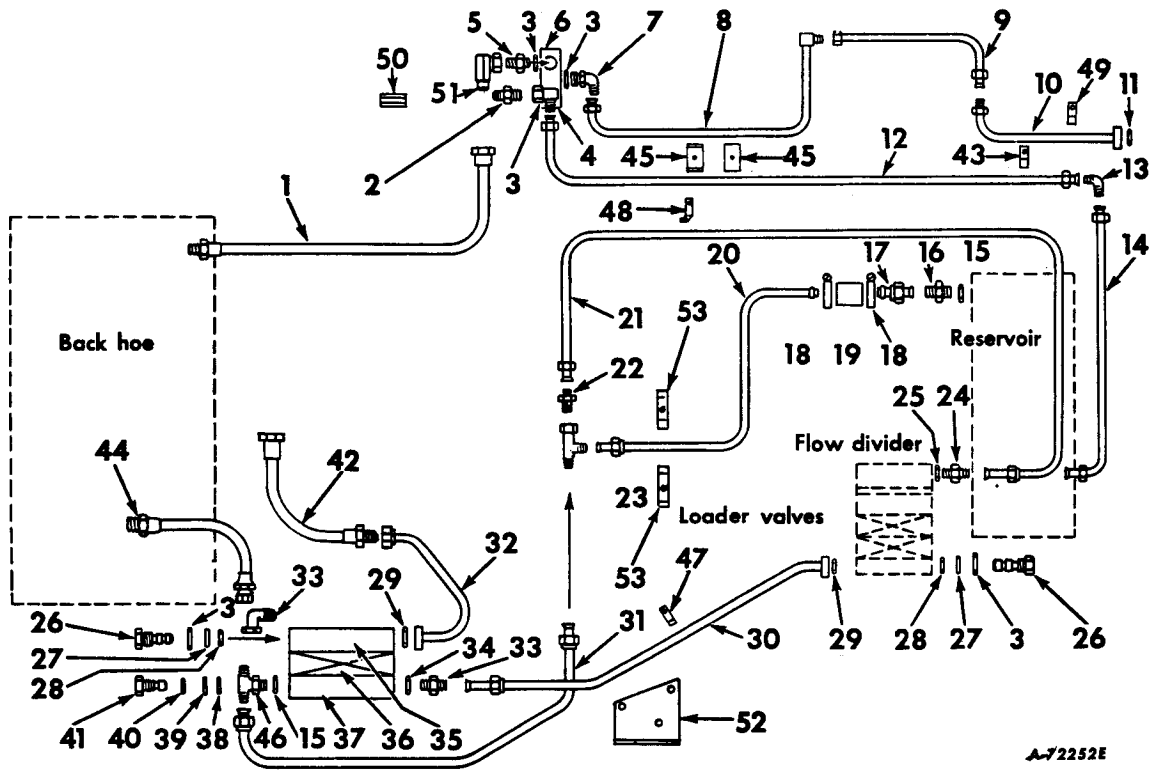
HYDRAULIC CONNECTIONS FOR 3414 LOADER -CONTINUED
TRACTOR W/HYDRAULIC LIFT & AUXILIARY VALVE

REF. NO.	PART NUMBER	DESCRIPTION
21	483 142 R11	TUBE ASSY, PRESSURE AUXILIARY TO BACKHOE SCREW, 3/8-16 X 1-1/8 C-Z HEX-HD -2- WASHER, 3/8 C-Z MED LOCK -2-
22	9 410 206	CONNECTOR, 1-3/16-12 C-Z FLARED TUBE
23	297 459 R1	O-RING, 1.048 X .116
24	381 143 R1	COVER, PRESSURE END SCREW, 3/8-16 X 1 HEX-HD CAP -3- 381 885 R1 O-RING, 1-3/8 X 1-9/16 X 3/32 381 884 R1 O-RING, 1 X 1-3/16 X 3/32 -2-
25	383 271 R94	VALVE ASSY, CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CONTROL VALVES- 381 885 R1 O-RING, 1-3/8 X 1-9/16 X 3/32 381 884 R1 O-RING, 1 X 1-3/16 X 3/32 -2-
26	469 782 R3	COVER, CONVERTIBLE END 381 784 R1 SCREW, 3/8-16 X 3-3/8 HEX-HD CAP -2- 381 783 R1 SCREW, 3/8-16 X 3-7/8 HEX-HD CAP
27	9 411 122	TEE, 1-5/16-12 C-Z FLARED TUBE ADJ
28	364 879 R1	O-RING, 7/8 X 1-11/16 X 3/32
29	378 985 R2	WASHER, BACKUP
30	383 219 R1	O-RING, 15/16 X 1-1/8 X 3/32
31	378 899 R1	PLUG, RELIEF VALVE CHAMBER
32	383 942 R91	HOSE ASSY, 17 GPM PUMP PRESSURE
33	9 410 285	ELBOW, 1-5/16-12 C-Z FLARED TUBE 90 DEG SWIVEL
34	383 941 R91	HOSE ASSY, BACKHOE RETURN
35	381 773 R11 179 881	MOUNTING ASSY, AUXILIARY VALVE SCREW, 1/2-13 X 1 HEX-HD CAP -4-
36	383 120 R1 179 824 103 320 102 634	BRACKET, TUBE -2- SCREW, 5/16 X 1-3/4 HEX-HD CAP WASHER, 5/16 LOCK NUT, 5/16 HEX.

HYDRAULIC CONNECTIONS
-FOR 3414 LOADER TRACTOR W/AUXILIARY VALVE

3141 BACKHOE -43- SECTION F

HYDRAULIC CONNECTIONS -CONTINUED
-FOR 3414 LOADER TRACTOR W/AUXILIARY VALVE



REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
1	338 345 R91	HOSE ASSY, 1/2 X 26-1/2 PRESSURE	
2	9 403 217	UNION, 5/8 TUBE	
3	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -5-	
4	383 943 R91	ELBOW W/SWIVEL, 90 DEG SIDE OUTLET	
5	9 410 204	CONNECTOR, 7/8-14 37 DEG C-Z FLARED TUBE SHORT SWIVEL	
6	389 251 R92	VALVE ASSY, DIVERTER -OPTIONAL WITH 383 946 R91-	
6	383 946 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVES-	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
	180 085	SCREW, 5/16-18 X 1-3/4 C-Z HEX-HD CAP -2-	
	120 214	WASHER, 5/16 C-Z MED LOCK -2-	
7	9 410 978	ELBOW, 7/8-14 37 DEG C-Z FLARED TUBE	
8	483 144 R11	TUBE ASSY, 9 GPM PRESSURE DIVERTER VALVE END	
9	383 936 R11	TUBE ASSY, 9 GPM PRESSURE CENTER	
10	383 937 R92	TUBE ASSY, 9 GPM PRESSURE PUMP END	
	138 203	SCREW, 1/4-20 X 1-1/4 HEX-SOC-HD CAP -4-	
		WASHER, 1/4 C-Z MED LOCK -4-	
11	352 221 R1	O-RING, 9/16 X 3/4 X 3/32	
12	483 143 R11	TUBE ASSY, POWER STEERING DIVERTING VALVE	
13	9 402 944	UNION, 7/8-14 37 DEG C-Z FLARED TUBE	
14	391 998 R11	PIPE ASSY, RETURN TO FLOW DIVIDER	
15	296 247 R1	O-RING, 1.171 X .116 -2-	
16	9 410 207	CONNECTOR, 1-5/16-12 C-Z FLARED TUBE SWIVEL	
17	383 051 R11	TUBE ASSY, RETURN FRONT	
18	39 128 H	CLAMP, HOSE -2-	
19	380 521 R1	HOSE, 1 X 3 IN.	
20	381 778 R11	TUBE ASSY, RETURN	
21	381 779 R11	TUBE ASSY, FLOW DIVIDER EXCESS	
22	381 785 R1	CONNECTOR, TUBE REDUCING	
23	9 410 337	TEE, 1-5/16-12 C-Z FLARED TUBE	
24	380 632 R1	CONNECTOR, REDUCING	
25	368 269 R1	O-RING, .924 X .116	
26	470 583 R1	PLUG, POWER BEYOND	
27	470 584 R1	WASHER, BACKUP -2-	
28	470 585 R1	O-RING, 1/2 X 11/16 X 3/32 -2-	
29	283 401 R1	O-RING, 1 X 1-3/16 X 3/32 -2-	

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REF. NO.	PART NUMBER		DESCRIPTION	BKH-1
			HYDRAULIC CONNECTIONS -CONTINUED -FOR 3414 LOADER TRACTOR W/AUXILIARY VALVE	
30	469 783	R21	TUBE ASSY, LOADER VALVE TO AUXILIARY VALVE	
	179 840		SCREW, 3/8-16 X 1-1/8 C-Z HEX-HD CAP -2-	
	103 321		WASHER, 3/8 C-Z LOCK -2-	
31	471 116	R11	TUBE ASSY, AUXILIARY VALVE RETURN	
32	483 142	R11	TUBE ASSY, PRESSURE AUXILIARY TO BACKHOE	
	179 840		SCREW, 3/8-16 X 1-1/8 C-Z HEX-HD CAP -2-	
	103 321		WASHER, 3/8 C-Z LOCK -2-	
33	9 410 206		CONNECTOR, 1-3/16-12 37 DEG C-Z HYD FLARED TUBE SWIVEL	
34	297 459	R1	O-RING, 1.048 X .116	
35	469 782	R3	COVER, CONVERTIBLE END	
	381 784	R1	SCREW, 3/8-16 X 3-3/8 HEX-HD CAP -2-	
	381 783	R1	SCREW, 3/8-16 X 3-7/8 HEX-HD CAP	
36	383 271	R94	VALVE ASSY, CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CONTROL VALVES-	
	381 885	R1	O-RING, 1-3/8 X 1-9/16 X 3/32	
	381 884	R1	O-RING, 1 X 1-3/16 X 3/32	
37	381 143	R1	COVER, PRESSURE END	
			SCREW, 3/8-16 X 1 HEX-HD CAP -3-	
	381 885	R1	O-RING, 1-3/8 X 1-9/16 X 3/32	
	381 884	R1	O-RING, 1 X 1-3/16 X 3/32 -2-	
38	364 879	R1	O-RING, 7/8 X 1-1/16 X 3/32	
39	378 985	R2	WASHER, BACK-UP	
40	383 219	R1	O-RING, 15/16 X 1-1/8 X 3/32	
41	378 899	R1	PLUG, RELIEF VALVE CHAMBER	
42	383 942	R91	HOSE ASSY, 17 GPM PUMP PRESSURE	
43	381 166	R11	CLAMP ASSY, TUBE	
	138 203		SCREW, 1/4-20 X 1-1/4 HEX-HD CAP -2-	
	120 380		WASHER, 1/4 C-Z MED LOCK -2-	
44	383 941	R91	HOSE ASSY, BACKHOE RETURN	
45	369 758	R1	CLAMP, TUBE -2-	
			NUT, 5/16-18 C-Z HEX.	
			SCREW, 5/16-18 X 1-1/2 C-Z HEX-HD CAP	
	138 538		WASHER, 5/16 C-Z EXTERNAL TOOTH LOCK	
46	9 411 122		TEE, 1-5/16-12 C-Z TUBE ADJUSTABLE	
47	383 122	R1	CLAMP, LOADER VALVE TO AUXILIARY VALVE TUBE	
48	384 291	R1	CLAMP, RETURN TUBE	
			SCREW, 3/8-16 X 1-1/8 HEX-HD CAP	
49	381 166	R1	CLAMP ASSY, TUBE	
50	9 403 373		PLUG, 7/8-14 37 DEG HYD FLARED TUBE	
51	9 410 282		ELBOW, 7/8-14 37 DEG HYD FLARED TUBE 90 DEG SWIVEL	
52	381 773	R11	MOUNTING ASSY, AUXILIARY VALVE	
	179 881		SCREW, 1/2-13 X 1 HEX-HD CAP -4-	
	102 396		WASHER, 17/32 X 1-1/16 X 16 GA C-Z	
53	383 120	R1	BRACKET, TUBE -2-	
	179 824		SCREW, 5/16 X 1-3/4 HEX-HD CAP	
	103 321		WASHER, 5/16 LOCK	
	102 634		NUT, 5/16 HEX.	

3141 BACKHOE -44- SECTION F

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

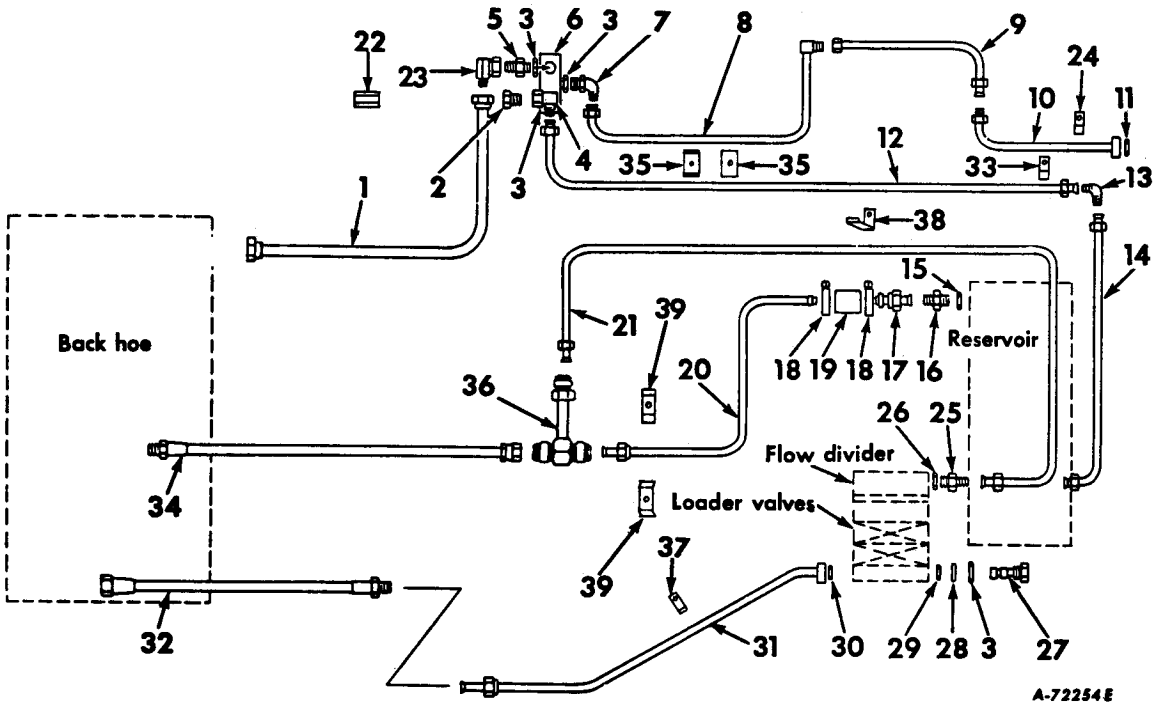
PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

3141 BACKHOE -45- SECTION F

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTION -FOR 3414 LOADER TRACTOR W/O HYD LIFT AND AUX VALVE-

HYDRAULIC CONNECTION -FOR 3414 LOADER TRACTOR W/O HYD LIFT AND AUX VALVE- -CONTINUED



1		338 345 R91	HOSE ASSY, 1/2 ID X 26-1/2 HYD PRESSURE
2	9	403 217	UNION, 5/8 TUBE
3		364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -4-
4		383 943 R91	ELBOW W/SWIVEL, 90 DEG SIDE OUTLET
5	9	410 204	CONNECTOR, 7/8-14 37 DEG C-Z
6		389 251 R92	VALVE ASSY, DIVERTER -OPTIONAL WITH 383 946 R91-
6		383 946 R91	VALVE ASSY, DIVERTER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVES-
		120 376	NUT, 5/16-18 C-Z HEX. -2-
		180 085	SCREW, 5/16-18 X 1-3/4 C-Z CAP -2-
		120 214	WASHER, 5/16 C-Z MED LOCK -2-
7	9	410 978	ELBOW, 7/8-14 37 DEG C-Z FLARED TUBE
8		483 144 R11	TUBE ASSY, 9 GPM PRESSURE DIVERTER VALVE END
9		383 936 R11	TUBE ASSY, 9 GPM PRESSURE CENTER
10		383 937 R91	TUBE ASSY, 9 GPM PRESSURE PUMP END
		138 203	SCREW, 1/4-20 X 1-1/4 HEX-SOC-HD CAP -4-
			WASHER, 1/4 C-Z LOCK -4-
11		352 221 R1	O-RING, 9/16 X 3/4 X 3/32
12		483 143 R11	TUBE ASSY, POWER STEERING - DIVERTER VALVE
13	9	402 944	UNION, 7/8-14 37 DEG C-Z
14		391 998 R11	PIPE ASSY, RETURN TO FLOW DIVIDER
15		296 247 R1	O-RING, 1 OD TUBE
16	9	410 207	CONNECTOR, 1-5/16-12 C-Z FLARED TUBE SWIVEL
17		383 051 R11	TUBE ASSY, RETURN FRONT
18		39 128 H	CLAMP, HOSE -2-
19		380 521 R1	HOSE, 1 X 3 IN.
20		381 778 R11	TUBE ASSY, RETURN
21		381 779 R21	TUBE ASSY, FLOW DIVIDER EXCESS
22	9	403 373	PLUG, 7/8-14 37 DEG HYD FLARED TUBE
23	9	410 282	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE 90 DEG SWIVEL
24		381 166 R1	CLAMP, TUBE
		179 801	SCREW, 1/4-20 X 1-1/2 HEX-HD CAP -2-
		109 084	NUT, 1/4-20 HEX. -2-
25		380 632 R1	CONNECTOR, REDUCING
26		368 269 R1	O-RING, .924 X .116
27		470 583 R1	PLUG, POWER BEYOND
28		470 584 R1	WASHER, BACK-UP
29		470 585 R1	O-RING, 1/2 X 11/16 X 3/32
30		382 137 R1	O-RING, 1 X 3/16 X 3/32
31		469 783 R11	TUBE ASSY, LOADER VALVE TO AUXILIARY VALVE
		179 840	SCREW, 3/8-16 X 1-1/8 C-Z HEX-HD CAP -2-
		103 321	WASHER, 3/8 C-Z MED LOCK -2-
32		481 762 R91	HOSE ASSY, 17 GPM PUMP PRESSURE
33		381 166 R11	CLAMP ASSY, TUBE

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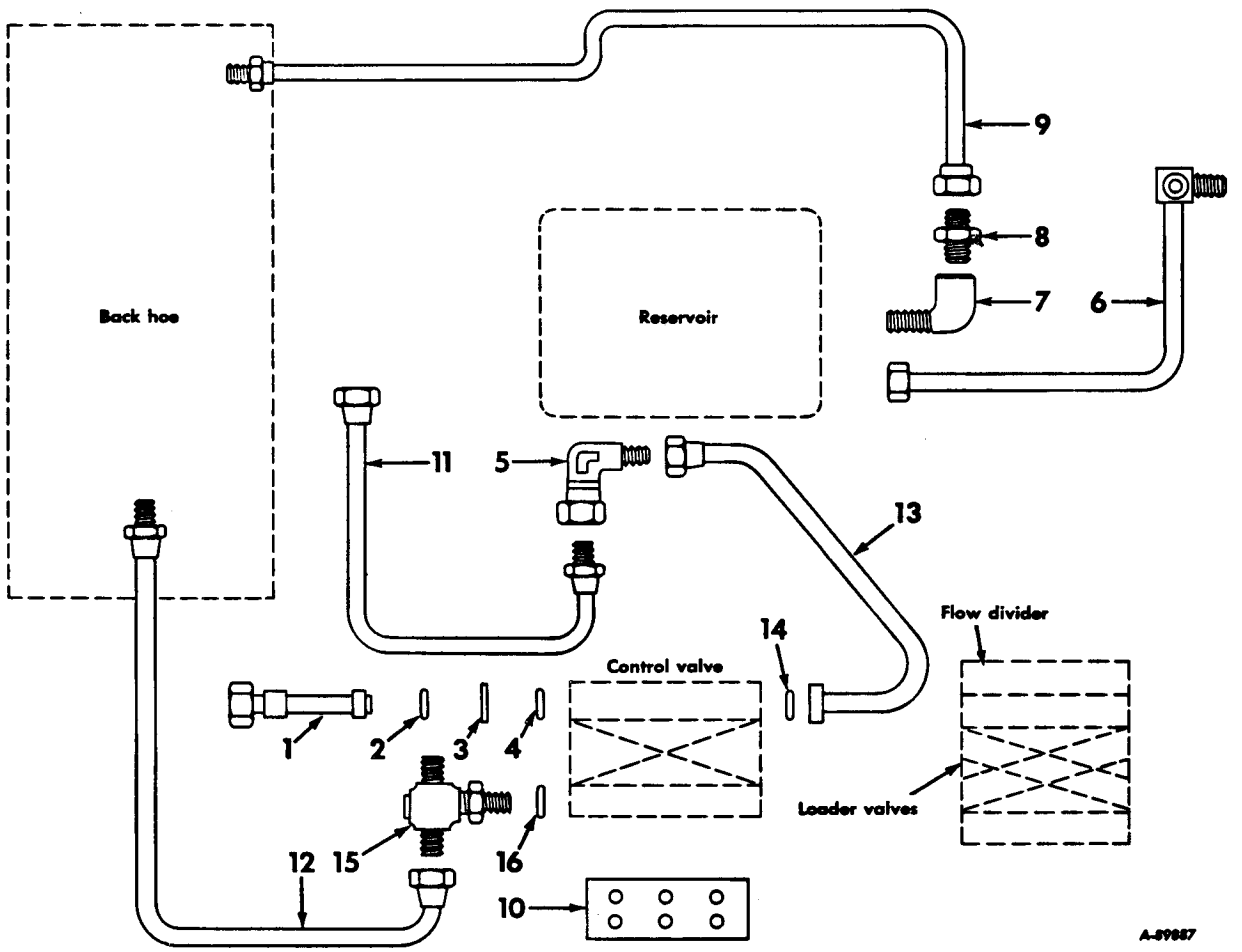
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTION -FOR 3414 LOADER -CONTINUED	
		TRACTOR W/O HYD LIFT AND AUX VALVE-	
34	483 141 R91	HOSE ASSY, BACKHOE RETURN	
35	369 758 R1	CLAMP, TUBE -2-	
		NUT, 5/16-18 C-Z HEX.	
		SCREW, 5/16 X 1-1/2 C-Z HEX-HD CAP	
		WASHER, 5/16 C-Z EXTERNAL TOOTH LOCK	
36	385 125 R91	FITTING, HYD 37 DEG FLARED TUBE	
37	383 122 R1	CLAMP, LOADER VALVE TO AUXILIARY VALVE TUBE	
38	384 291 R1	CLAMP, RETURN TUBE	
		SCREW, 3/8-16 X 1-1/8 HEX-HD CAP	
39	383 120 R1	BRACKET, TUBE -2-	
	179 824	SCREW, 5/16 X 1-3/4 HEX-HD CAP	
	103 321	WASHER, 5/16 LOCK	
	102 634	NUT, 5/16 HEX.	

3141 BACKHOE -46- SECTION F

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

HYDRAULIC CONNECTIONS
-FOR I 3444 TRACTORS W/ HYDRAULIC LIFT
AND W/ AUXILIARY VALVE-



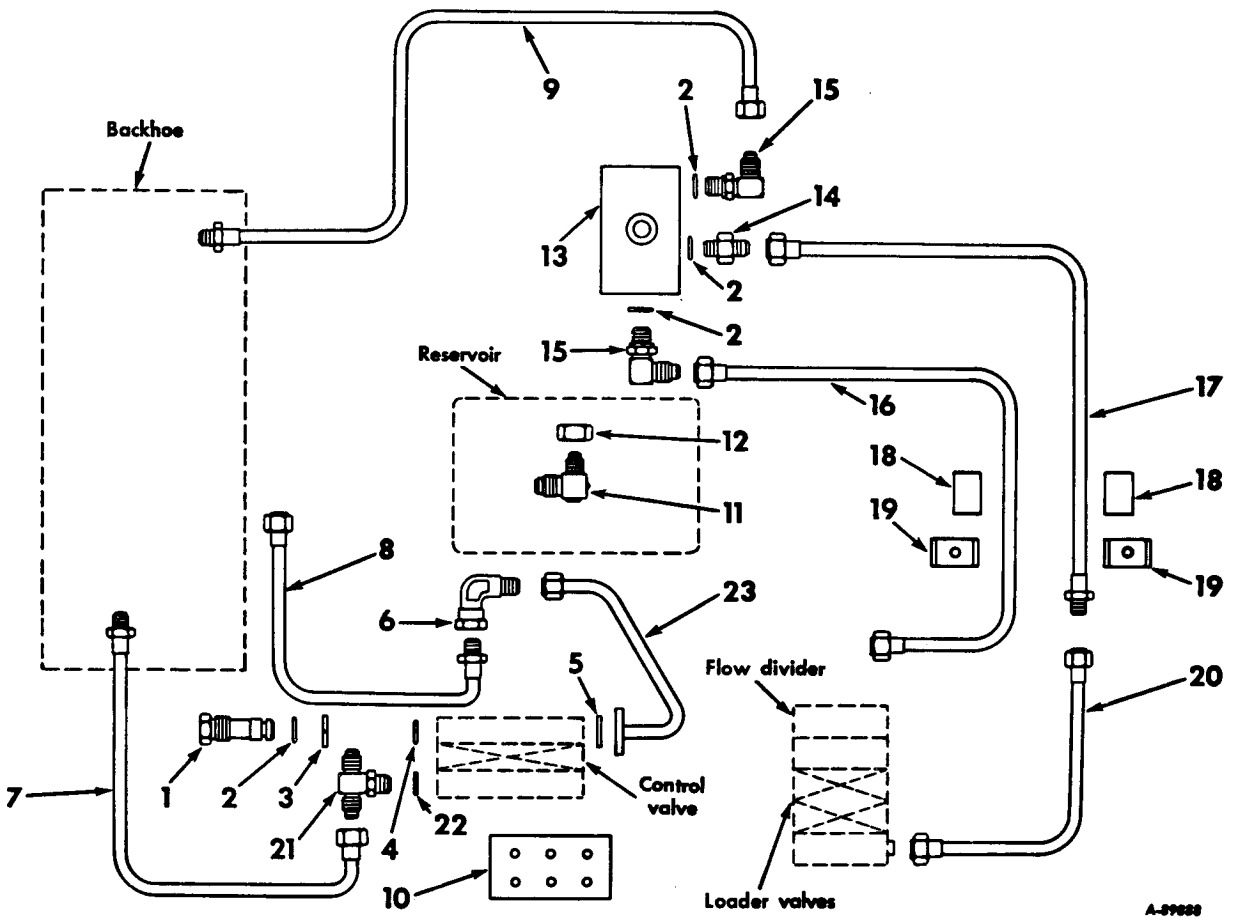
REF. NO.	PART NUMBER	DESCRIPTION
1	470 583 R1	PLUG FOR BLOCKING BY PASS -USED ON VALVE END COVER-
2	364 885 R1	O-RING, 5/8 OD TUBE
3	470 584 R1	WASHER, BACK-UP
4	470 585 R1	O-RING, 1/2 X 11/16 X 3/32
5	9 410 284	ELBOW, 1-3/16-12 37 DEG FLARED TUBE 90 DEG SWIVEL
6	399 584 R1	TUBE ASSY, RETURN FROM LOADER
7	444 375	ELBOW, 1/2-14 90 DEG STEEL AUTOMOTIVE PIPE STREET
8	9 402 710	CONNECTOR, 5/8 TO 1/2 PIPE REDUCING
9	485 315 R1	HOSE ASSY, HYD
10	393 824 R1	PLATE, RH LOWER FENDER BRACKET
	180 175	SCREW, 1/2-13 X 1-1/4 C-Z HEX-HD CAP -8-
11	383 942 R91	HOSE ASSY, 17 GPM PUMP PRESSURE
12	383 941 R91	HOSE ASSY, BACKHOE RETURN
13	483 142 R11	TUBE ASSY, PRESSURE AUXILIARY TO BACKHOE
	179 840	SCREW, 3/8-16 X 1-1/8 HEX-HD CAP -2-
	103 321	WASHER, 3/8 MED LOCK -2-
14	382 137 R1	O-RING, 1 X 1-3/16 X 3/32
15	9 411 122	TEE, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ STR THD
16	296 247 R1	O-RING, 1 IN. OD TUBE

3141 BACKHOE -47- SECTION F
BKH-1
HYDRAULIC CONNECTIONS -CONTINUED
-FOR I 3444 TRACTORS W/ HYDRAULIC LIFT
AND W/ AUXILIARY VALVE-

PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 12

BKH-1

HYDRAULIC CONNECTIONS
-FOR I 3444 TRACTORS W/O HYDRAULIC LIFT AND W/ AUXILIARY VALVE-



REF. NO.	PART NUMBER	DESCRIPTION
1	470 583 R1	PLUG FOR BLOCKING BY PASS -USED ON VALVE END COVER-
2	364 885 R1	O-RING, 5/8 OD TUBE -4-
3	470 584 R1	WASHER, BACK-UP
4	470 585 R1	O-RING, 1/2 X 11/16 X 3/32
5	382 137 R1	O-RING, 1 X 1-3/16 X 3/32
6	9 410 284	ELBOW, 1-3/16-12 37 DEG FLARED TUBE 90 DEG SWIVEL
7	483 141 R91	HOSE ASSY, HYD RETURN
8	481 762 R91	HOSE ASSY, HYD 17 GPM PRESSURE
9	485 315 R1	HOSE ASSY, HYD
10	393 824 R1	PLATE, RH LOWER FENDER BRACKET
	180 175	SCREW, 1/2-13 X 1-1/4 C-Z HEX-HD CAP -8-
11	399 575 R1	TEE, 7/8-14 & 1-5/16-12 MALE & FEMALE
12	9 403 373	CAP, 7/8-14 37 DEG FLARED FEMALE

3141 BACKHOE -48- SECTION F

BKH-1

HYDRAULIC CONNECTIONS -CONTINUED
-FOR I 3444 TRACTORS W/O HYDRAULIC LIFT AND W/ AUXILIARY VALVE-

REF. NO.	PART NUMBER	DESCRIPTION
13	383 946 R91	VALVE ASSY, DIVERTER -OPTIONAL W/389 251 R92-
13	389 251 R92	VALVE ASSY, DIVERTER -OPTIONAL W/383 946 R91 -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVES-
	180 085	SCREW, 5/16-18 X 1-3/4 C-Z HEX-HD CAP -2-
	120 214	WASHER, 5/16 C-Z MED LOCK -2-
	120 376	NUT, 5/16-18 C-Z HEX. -2-
14	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED SHORT TUBE SWIVEL
15	9 410 978	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE 90 DEG -2-
16	399 588 R1	TUBE ASSY, FROM PUMP PRESSURE TUBE TO DIVERTER VALVE
17	399 590 R1	TUBE ASSY, DIVERTER VALVE TO FLOW DIVIDER TUBE

REF. NO.	PART NUMBER	DESCRIPTION	8KH-1
		HYDRAULIC CONNECTIONS -CONTINUED -FOR I 3444 TRACTORS W/O HYDRAULIC LIFT AND W/ AUXILIARY VALVE-	
18	394 418 R1	BUSHING, RUBBER COVER -2-	
19	391 478 R2	CLAMP, HYD MANIFOLD PIPE -2-	
	17 470 R1	BOLT, 5/16 X 1-1/2 HEX-HD MACH	
	103 320	WASHER, 5/16 MED LOCK	
	102 634	NUT, 5/16-18 HEX.	
20	399 573 R1	TUBE ASSY, FLOW DIVIDER TO DIVERTER VALVE	
21	9 411 122	TEE, 1-5/16-12 37 DEG HYD FLARED TUBE ADJ STR THD	
22	296 247 R1	O-RING, 1 IN. OD TUBE	
23	483 142 R11	TUBE ASSY, PRESSURE AUXILIARY TO BACKHOE	
	179 840	SCREW, 3/8-16 X 1-1/8 HEX-HD CAP -2-	
	103 321	WASHER, 3/8 MED LOCK -2-	

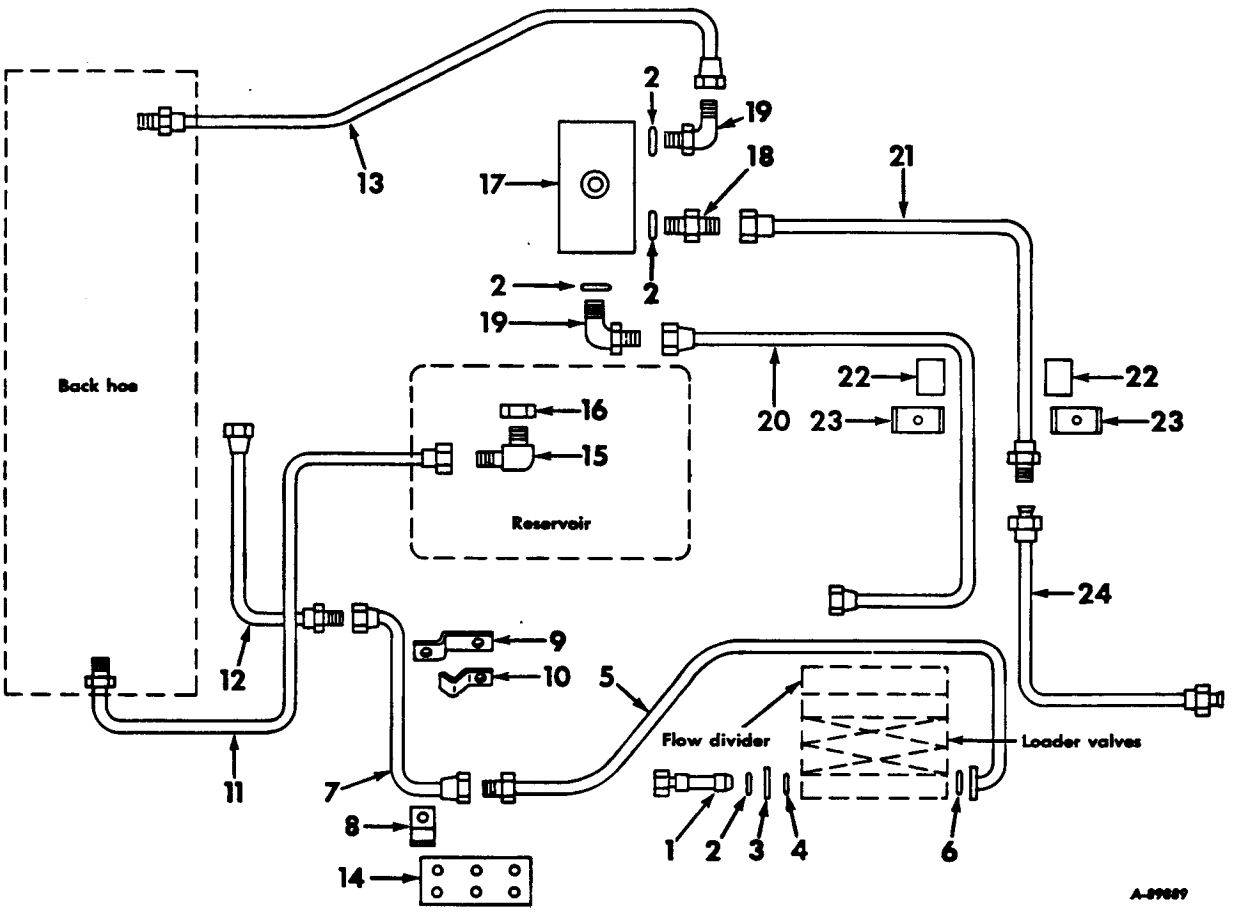
3141 BACKHOE -49- SECTION F

REF. NO.	PART NUMBER	DESCRIPTION	8KH-1

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS
-FOR I 3444 TRACTORS W/O HYDRAULIC LIFT AND W/O AUXILIARY VALVE-



1	470 583 R1	PLUG FOR BLOCKING BY PASS -USED ON VALVE END COVER-	
2	364 885 R1	O-RING, 5/8 OD TUBE -4-	
3	470 584 R1	WASHER, BACK-UP	
4	470 585 R1	O-RING, 1/2 X 11/16 X 3/32	
5	399 582 R1	TUBE ASSY, POWER BEYOND FROM LOADER VALVE	
	179 840	SCREW, 3/8-16 X 1-1/8 HEX-HD CAP -2-	
	103 321	WASHER, 3/8 MED LOCK -2-	
6	382 137 R1	RING, O 1 X 1-3/16 X 3/16	
7	399 586 R1	TUBE ASSY, POWER BEYOND	
8	399 580 R1	SUPPORT, POWER BEYOND TUBE	
	17 426 R1	BOLT, 3/8 X 1 HEX-HD MACH	
	103 321	WASHER, 3/8 MED LOCK	
	102 635	NUT, 3/8-16 HEX.	
9	399 581 R1	BRACKET, POWER BEYOND TUBE	
10	399 576 R1	CLAMP, POWER BEYOND TUBE	
	20 750 R1	BOLT, 3/8 X 7/8 HEX-HD MACH	
	103 321	WASHER, 3/8 MED LOCK	
11	483 141 R91	HOSE ASSY, HYD RETURN	

3141 BACKHOE -50- SECTION F

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS -CONTINUED
-FOR I 3444 TRACTORS W/O HYDRAULIC LIFT AND W/O AUXILIARY VALVE-

12	481 762 R91	HOSE ASSY, HYD 17 GPM PRESSURE	
13	485 315 R1	HOSE ASSY, HYD	
14	393 824 R1	PLATE, RH LOWER FENDER BRACKET	
	180 175	SCREW, 1/2-13 X 1-1/4 C-Z HEX-HD CAP -8-	
15	399 575 R1	TEE, 7/8-14 & 1-5/16-12 MALE & FEMALE	
16	9 403 373	CAP, 7/8-14 37 DEG FLARED FEMALE	
17	383 946 R91	VALVE ASSY, DIVERTER -OPTIONAL W/389 251 R92-	
17	389 251 R92	VALVE ASSY, DIVERTER -OPTIONAL W/383 946 R91- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVES-	
	180 085	SCREW, 5/16-18 X 1-3/4 C-Z HEX-HD CAP -2-	
	120 214	WASHER, 5/16 C-Z MED LOCK -2-	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
18	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED SHORT TUBE SWIVEL	

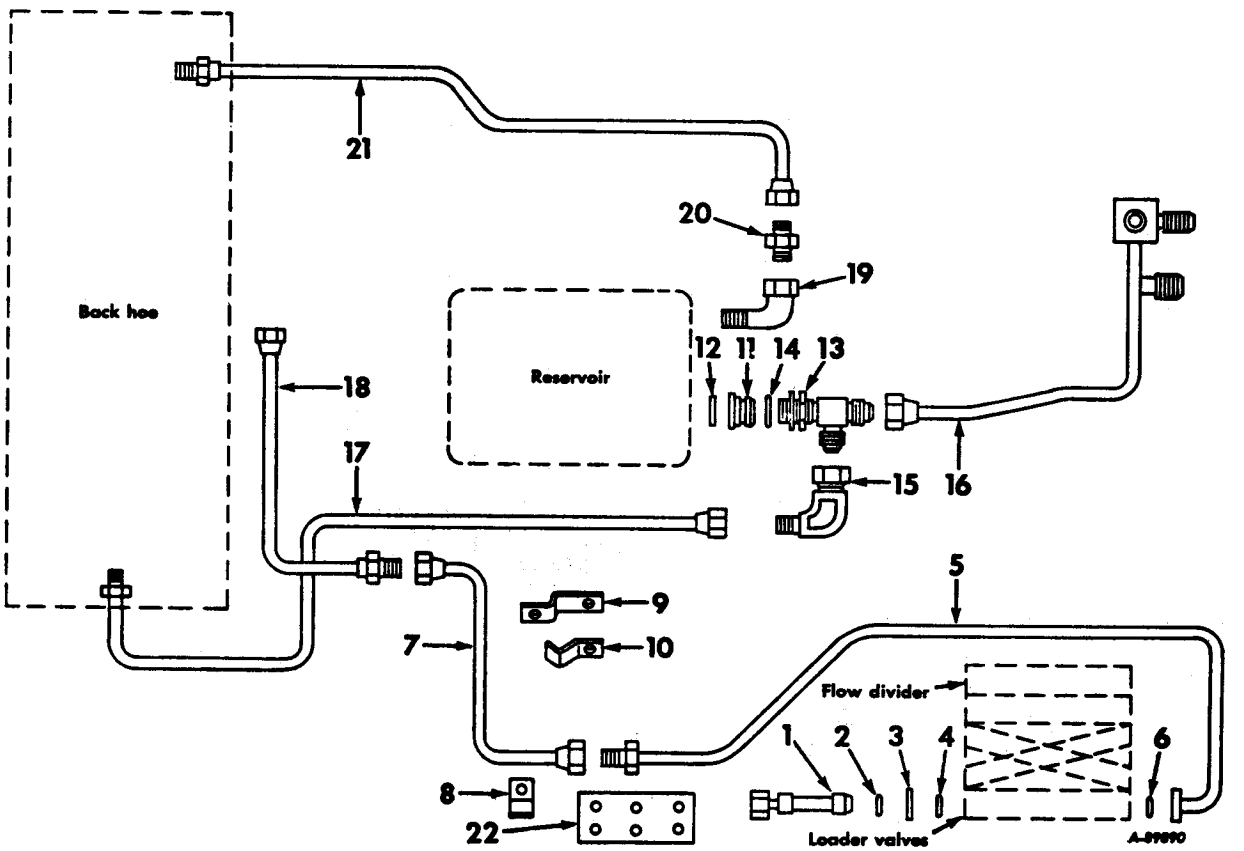
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -CONTINUED -FOR I 3444 TRACTORS W/O HYDRAULIC LIFT AND W/O AUXILIARY VALVE-	
19	9 410 978	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE 90 DEG -2-	
20	399 588 R1	TUBE ASSY, FROM PUMP PRESSURE TUBE TO DIVERTER VALVE	
21	399 590 R1	TUBE ASSY, DIVERTER VALVE TO FLOW DIVIDER TUBE	
22	394 418 R1	BUSHING, RUBBER COVER -2-	
23	391 478 R2	CLAMP, HYD MANIFOLD PIPE -2-	
	17 470 R1	BOLT, 5/16 X 1-1/2 HEX-HD MACH	
	103 320	WASHER, 5/16 MED LOCK	
	102 634	NUT, 5/16-18 HEX.	
24	399 573 R1	TUBE ASSY, FLOW DIVIDER TO DIVERTER VALVE	

3141 BACKHOE -51- SECTION F

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

HYDRAULIC CONNECTIONS
-FOR I 3444 TRACTORS W/ HYDRAULIC LIFT AND W/O AUXILIARY VALVE-



REF. NO.	PART NUMBER	DESCRIPTION
1	470 583 R1	PLUG FOR BLOCKING BY PASS -USED ON VALVE END COVER-
2	364 885 R1	O-RING, 5/8 OD TUBE
3	470 584 R1	WASHER, BACK-UP
4	470 585 R1	O-RING, 1/2 X 11/16 X 3/32
5	399 582 R1	TUBE ASSY, POWER BEYOND FROM LOADER VALVE
	179 840	SCREW, 3/8-16 X 1-1/8 HEX-HD CAP -2-
	103 321	WASHER, 3/8 MED LOCK -2-
6	382 137 R1	O-RING, 1 X 1-3/16 X 3/16
7	399 586 R1	TUBE ASSY, POWER BEYOND
8	399 580 R1	SUPPORT, POWER BEYOND TUBE
	17 426 R1	BOLT, 3/8 X 1 HEX-HD MACH
	103 321	WASHER, 3/8 MED LOCK
	102 635	NUT, 3/8-16 HEX.
9	399 581 R1	BRACKET, POWER BEYOND TUBE
10	399 576 R1	CLAMP, POWER BEYOND TUBE
	20 750 R1	BOLT, 3/8 X 7/8 HEX-HD MACH
	103 321	WASHER, 3/8 MED LOCK
	102 635	NUT, 3/8-16 HEX.

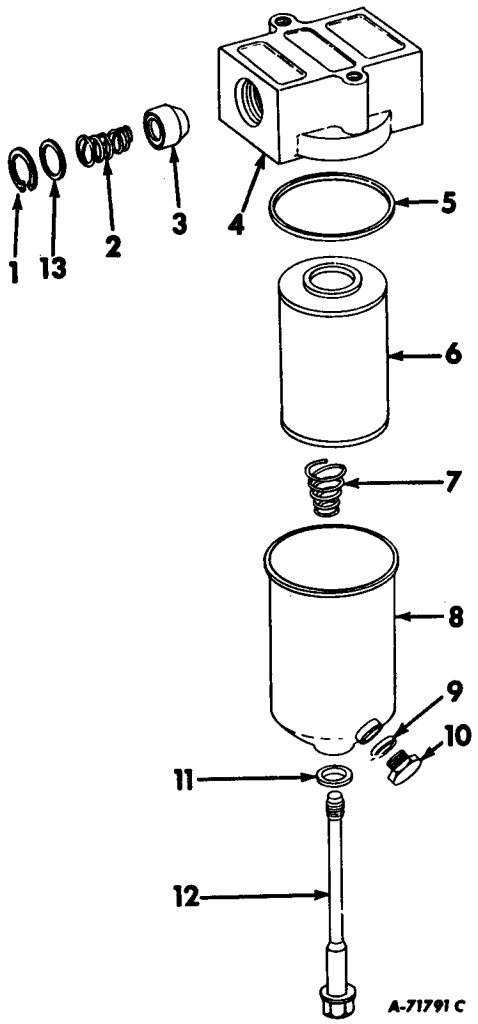
3141 BACKHOE -52- SECTION F
BKH-1

HYDRAULIC CONNECTIONS -CONTINUED
-FOR I 3444 TRACTORS W/ HYDRAULIC LIFT AND W/O AUXILIARY VALVE-

REF. NO.	PART NUMBER	DESCRIPTION
11	381 777 R1	PLUG, HITCH RETURN
12	382 781 R1	O-RING, 1-3/4 X 1-15/16 X 3/32
13	399 579 R1	TEE, PRESSURE RETURN
14	296 247 R1	O-RING, 1 OD TUBE
15	9 410 285	ELBOW, 1-5/16-12 37 DEG FLARED TUBE 90 DEG SWIVEL
16	399 584 R1	TUBE ASSY, RETURN FROM LOADER
17	483 141 R91	HOSE ASSY, HYD RETURN
18	481 762 R91	HOSE ASSY, HYD 17 GPM PRESSURE
19	444 375	ELBOW, 1/2-14 90 DEG STEEL AUTOMOTIVE PIPE STREET
20	9 402 710	CONNECTOR, 5/8 TO 1/2 PIPE REDUCING
21	485 315 R1	HOSE ASSY, HYD
22	393 824 R1	PLATE, RH LOWER FENDER BRACKET
	180 175	SCREW, 1/2-13 X 1-1/4 C-Z HEX-HD CAP -8-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

OIL FILTER



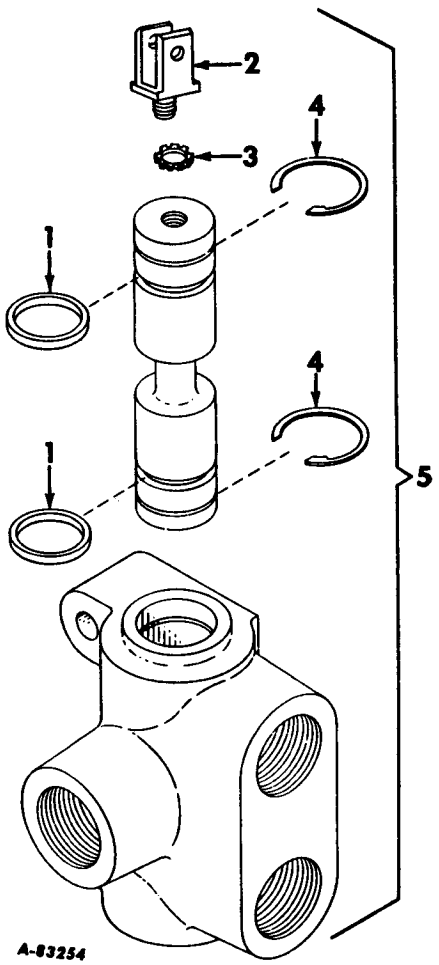
	471 133 R92	FILTER ASSY, OIL	
1	338 835 R1	RING, VALVE RETAINING	
2	381 626 R1	SPRING, VALVE COMPRESSION	
3	381 625 R1	VALVE, RELIEF AND CHECK	
4		BASE ASSY, OIL FILTER -NOT SERVICED SEPARATELY-	
5	381 627 R1	GASKET, FILTER BASE PLUG	
6	381 256 R91	ELEMENT ASSY, OIL FILTER	
7	471 633 R1	SPRING, OIL FILTER COMPRESSION	
8	471 634 R1	BODY, OIL FILTER	
9	381 618 R1	GASKET, OIL FILTER DRAIN PLUG RING	
10	445 078	PLUG, OIL FILTER DRAIN	
11	381 629 R1	GASKET, OIL FILTER BODY BOLT RING	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

OIL FILTER -CONTINUED

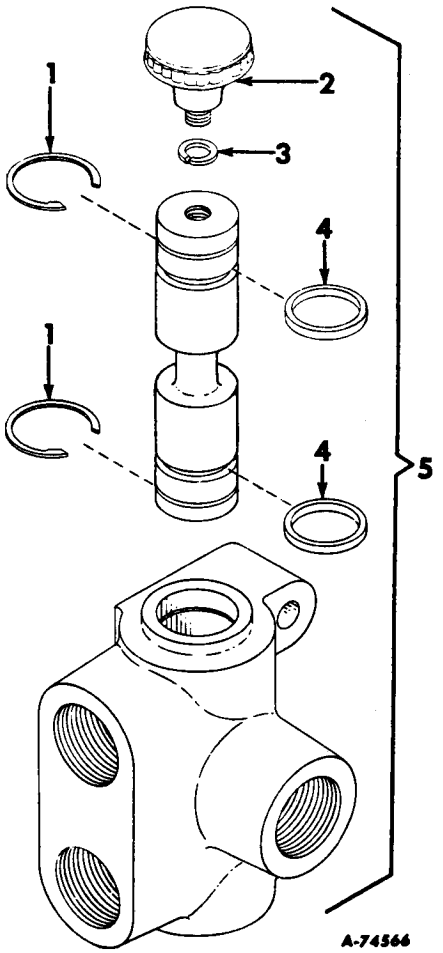
12	471 632 R1	BOLT, OIL FILTER HOLD DOWN	
13		NOT USED IN THIS APPLICATION	

DIVERTER VALVE -FOR INTERNATIONAL 504 2504 606 AND 2606 TRACTOR-



1	352 221 R1	O-RING, 9/16 X 3/4 X 3/32 -2-	
2	669 547 R1	EXTENSION, VALVE LEVER	
3	138 489	WASHER, 3/8 C-Z PLTD EXT-TOOTH	
4	661 652 R1	RING, SELECTOR VALVE RETAINING -2-	
5	478 887 R91	VALVE ASSY, DIVERTER	

DIVERTER VALVE -FOR 3414, 3444, 3514 AND 3616 LOADER TRACTOR-

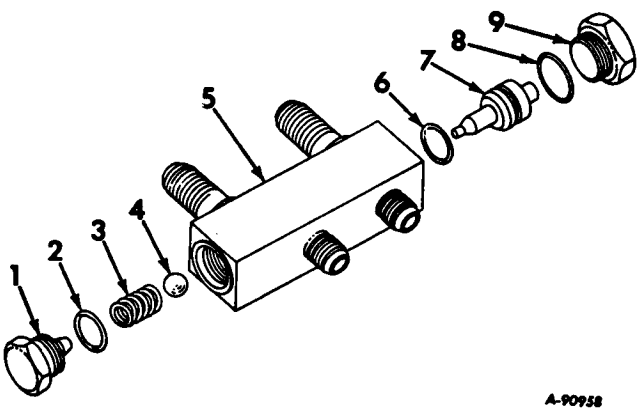


REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
1	661 652 R1	RING, SELECTOR VALVE RETAINING -2- -USED W/VALVE ASSY, 383 946 R91 & 389 251 R91-	
1	23 090 R1	RING, SELECTOR VALVE RETAINING -2- -NOTE B- -USED W/VALVE ASSY, 389 251 R92-	
2	384 283 R1	KNOB, CONTROL -NOTE A-	
2	389 255 R1	KNOB, CONTROL -NOTE B-	
3	120 381	WASHER, 3/8 C-Z LOCK -NOTE A-	
3	131 099	WASHER, 3/8 C-Z HV-LOCK -NOTE B-	
4	352 221 R1	O-RING, 9/16 X 3/4 X 3/32 -2- -NOTE A-	
4	377 952 R1	O-RING, 9/16 X 3/4 X 3/32 -2- -NOTE B- -USED W/VALVE ASSY, 389 251 R91-	
4	403 519 R1	O-RING, 9/16 X 3/4 X 3/32 -2- -NOTE B- -USED W/VALVE ASSY, 389 251 R92-	
5	383 946 R91	VALVE ASSY, DIVERTER -NOTE A-	
5	389 251 R92	VALVE ASSY, DIVERTER -NOTE B-	

NOTE A - FOR SERVICE OF GRESEN DIVERTER VALVE-

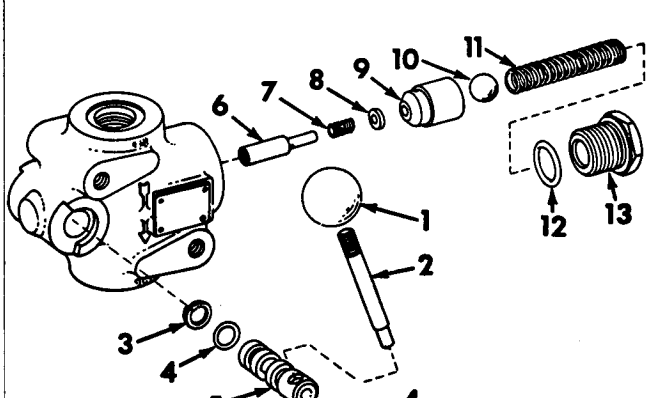
NOTE B - FOR SERVICE OF IH MANUFACTURED DIVERTER VALVE-

CHECK VALVE -STABILIZER-



REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	400 433 R91	VALVE ASSY, STABILIZER CHECK	
1	370 967 R1	PLUG, CHECK VALVE	
2	364 885 R1	O-RING FOR 5/8 OD TUBE CHECK VALVE RING	
3	372 649 R1	SPRING, CHECK VALVE	
4	17 016 R1	BALL, 1/2 CR-STL	
5	400 659 R1	BLOCK ASSY, CHECK VALVE	
6	350 667 R1	RING, ACTUATOR CHECK VALVE SEAL PISTON	
7	362 707 R2	PISTON, ACTUATOR CHECK VALVE	
8	368 269 R1	O-RING FOR 3/4 OD TUBE CHECK VALVE RING	
9	400 664 R1	PLUG, O-RING BOSS	

CHECK VALVE



REF. NO.	PART NUMBER	DESCRIPTION
	CHECK VALVE -CONTINUED	
	488 897 R91	VALVE ASSY, CHECK
1	489 055 R1	KNOB
2	489 054 R1	HANDLE
3	157 925 H1	RING, BACK-UP -2-
4	355 966 R1	O-RING, 7/16 X 5/8 X 3/32 -2-
5	489 053 R1	CAM
6	489 056 R1	CAM FOLLOWER
7	489 058 R1	SPRING
8	489 057 R1	WASHER
9	489 051 R1	VALVE, POPPET
10	16 016 R1	BALL, 1/2 DIA CHROME STEEL
11	489 052 R1	SPRING
	17 272 R1	PIN, ROLL DRIVE
12	368 269 R1	O-RING, 3/4 OD TUBE
13	489 050 R1	PLUG, CHECK VALVE

3141 BACKHOE -55- SECTION F

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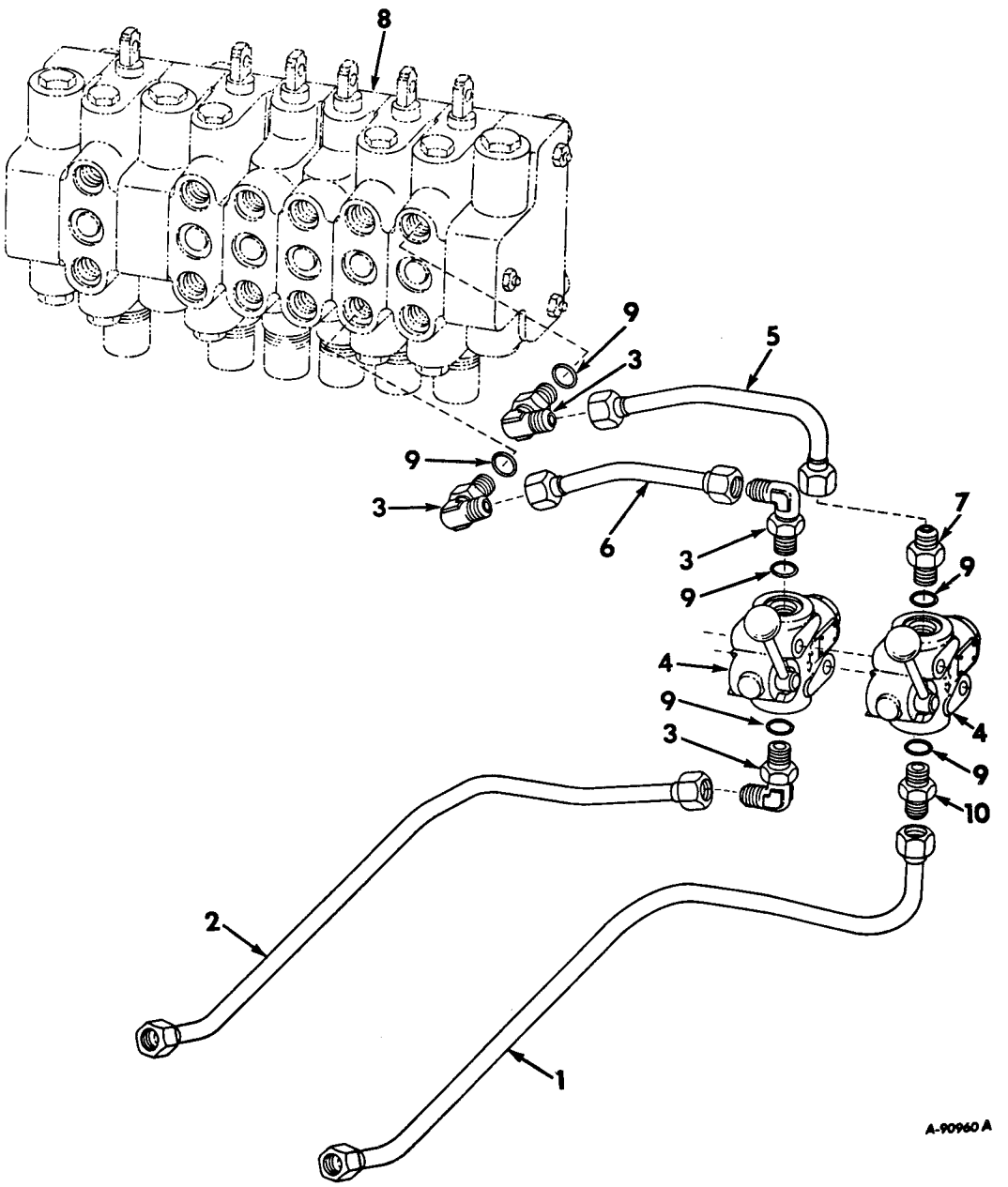
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

CHECK VALVE AND CONNECTIONS
-LEVER OPERATED-



1	488 883 R1	TUBE ASSY, CHECK VALVE HOSE LIFT CYLINDER	
2	488 887 R1	TUBE ASSY, CHECK VALVE HOSE CROWD CYLINDER	
3	9 410 978	ELBOW, 7/8-14 37 DEG HYD FLARED TYPE -4-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

CHECK VALVE AND CONNECTIONS -CONTINUED
-LEVER OPERATED-

4	488 897 R91	VALVE ASSY, LEVER OPERATED CHECK -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF LEVER OPERATED CHECK VALVE-	
	20 903 R1	SCREW, 3/8-16 X 5-1/4 C-Z HEX-HD CAP	
	120 382	WASHER, 3/8 C-Z MED LOCK	
	120 377	NUT, 3/8-16 C-Z HEX.	

DEN

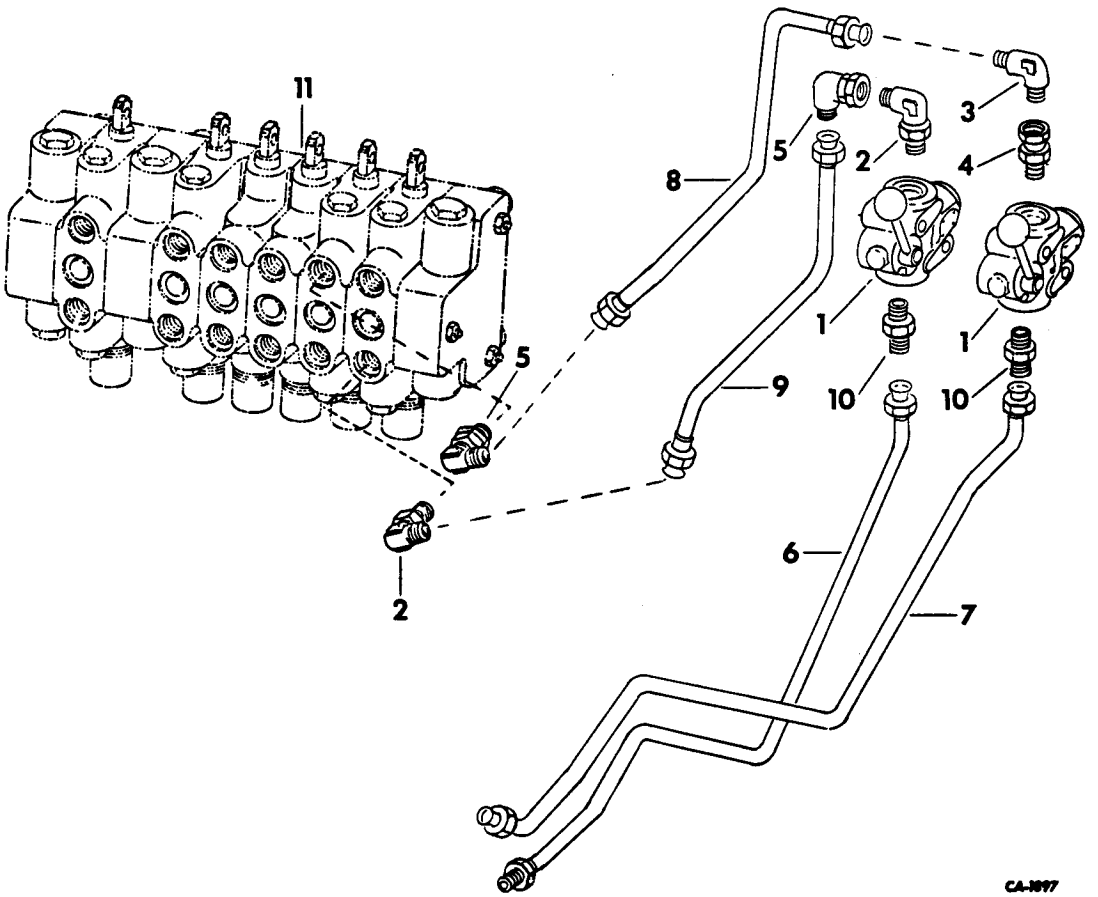
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		CHECK VALVE AND CONNECTIONS -CONTINUED -LEVER OPERATED-	
5	488 881 R1	TUBE ASSY, TOP PORT CHECK VALVE LIFT CYLINDER	
6	488 885 R1	TUBE ASSY, BOTTOM PORT CHECK VALVE CROWD CYLINDER	
7	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED TUBE	
8		VALVES, HYDRAULIC CONTROL -REFER TO HYDRAULIC CONTROL VALVE UNIT-	
9	364 885 R1	O-RING, 5/8 OD TUBE -6-	
10	397 699 R1	UNION ASSY, ORIFICE	

3141 BACKHOE -57- SECTION F

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

LEVER OPERATED CHECK VALVE AND CONNECTIONS
-FOR USE W/CRAWLER TRACTORS-



REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
1	488 897 R92	VALVE ASSY, CHECK LEVER OPERATED -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF LEVER OPERATED CHECK VALVE-	
	20 903 R1	SCREW, 3/8-16 X 5-1/4 HEX-HD CAP -2-	
	120 382	WASHER, 3/8 ZND MED LOCK -2-	
	120 377	NUT, 3/8-16 ZND HEX. -2-	
2	9 410 978	ELBOW, 7/8-14 37 DEG FLARED TUBE ADJ STR-THD 90 DEG -2-	
3	9 402 944	ELBOW, 7/8-14 37 DEG FLARED TUBE 90 DEG	
4	485 313 R1	ADAPTER, SWIVEL 7/8-14 J.I.C.	
5	9 410 282	ELBOW, 7/8-14 37 DEG FLARED TUBE 90 DEG SWIVEL -2-	
6	543 673 R1	TUBE ASSY, LIFT TO CHECK VALVE	
7	543 672 R1	TUBE ASSY, TOP PORT CROWD CYL TO CHECK VALVE	
8	543 671 R1	TUBE ASSY, TOP PORT CROWD CYL TO CHECK VALVE-	
9	543 670 R1	TUBE ASSY, BOTTOM PORT LIFT CYL	
10	9 410 204	UNION, 7/8-14 37 DEG FLARED TUBE SHORT SWIVEL -2-	
11		VALVES, HYDRAULIC CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CONTROL VALVES-	

3141 BACKHOE -58- SECTION F

LEVER OPERATED CHECK VALVE AND -CONTINUED
CONNECTIONS
-FOR USE W/CRAWLER TRACTORS-

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

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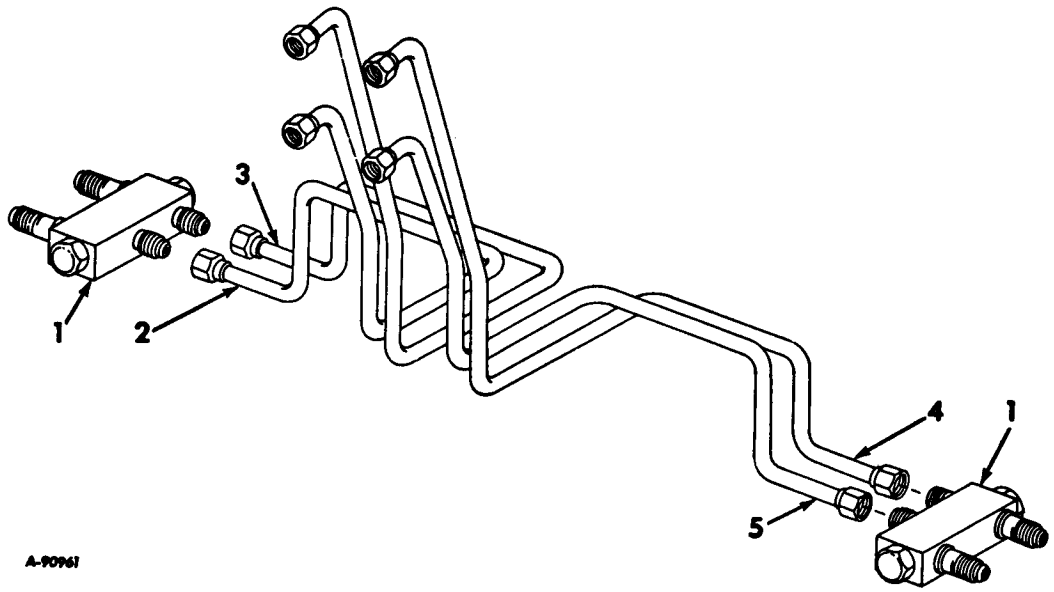
CHECK VALVE AND CONNECTIONS
-STABILIZER-

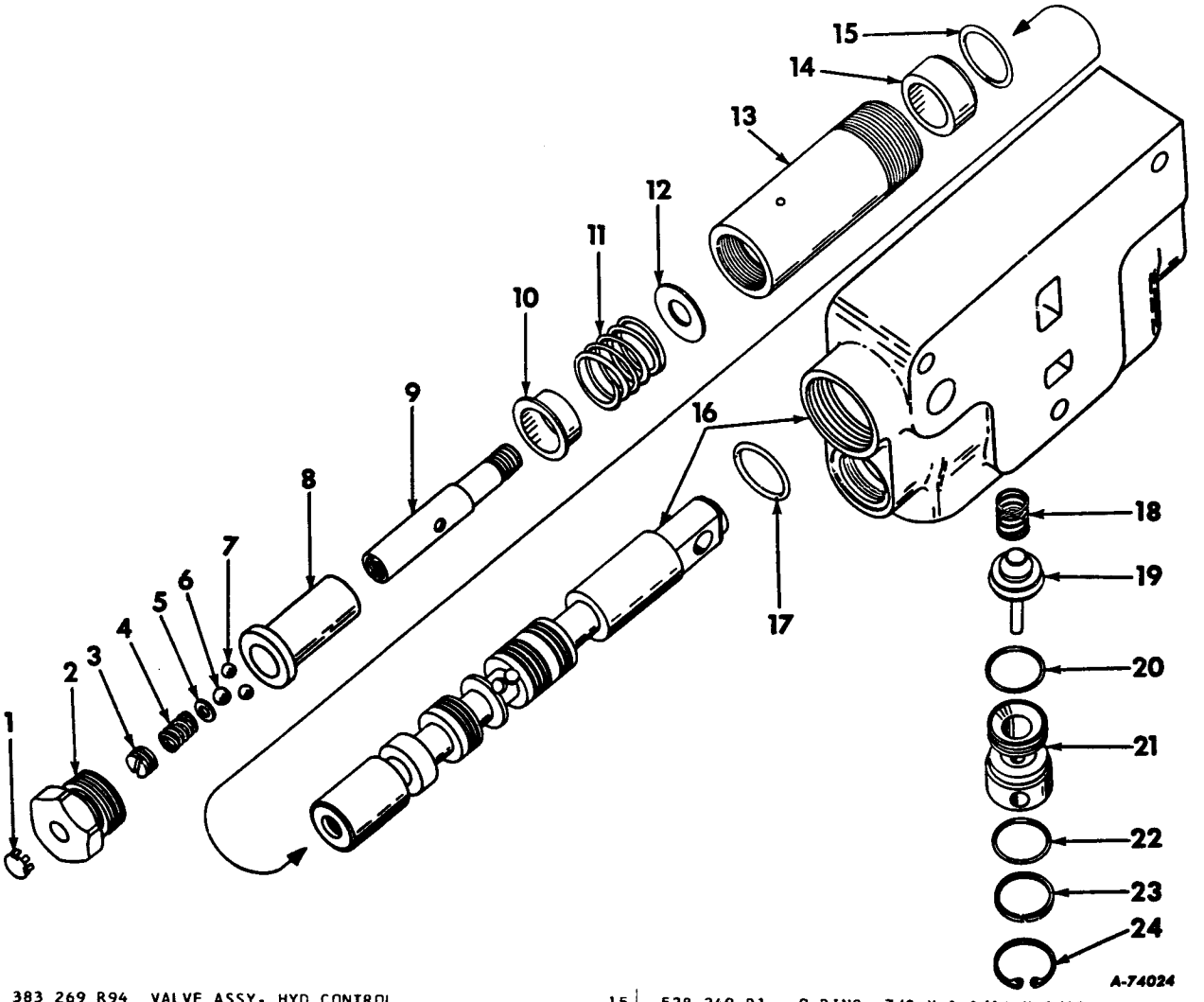


REF. NO.	PART NUMBER	DESCRIPTION
1	400 433 R91	VALVE ASSY, STABILIZER CHECK -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF STABILIZER CHECK VALVE-
	138 561	WASHER, 3/4 C-Z INT-TOOTH LOCK -2-
9	403 294	NUT, 3/4-16 BULKHEAD UNION LOCK -2-
2	488 874 R1	TUBE ASSY, BOTTOM PORT RIGHT STABILIZER -NOT USED FOR CRAWLER TRACTORS-
2	543 669 R1	TUBE ASSY, BOTTOM PORT RIGHT STABILIZER -ALL CRAWLER TRACTORS-
3	488 872 R1	TUBE ASSY, TOP PORT RIGHT STABILIZER -NOT USED FOR CRAWLER TRACTORS-
3	543 668 R1	TUBE ASSY, TOP PORT RIGHT STABILIZER -ALL CRAWLER TRACTORS-
4	488 876 R1	TUBE ASSY, TOP PORT LEFT STABILIZER -NOT USED FOR CRAWLER TRACTORS-
4	543 666 R1	TUBE ASSY, TOP PORT LEFT STABILIZER -ALL CRAWLER TRACTORS-
5	488 879 R1	TUBE ASSY, BOTTOM PORT LEFT STABILIZER -NOT USED FOR CRAWLER TRACTORS-
5	543 667 R1	TUBE ASSY, BOTTOM PORT LEFT STABILIZER -ALL CRAWLER TRACTORS-
2	754 177 R1	PRODUCT GRAPHIC, LOCKOUT VALVE

-59- SECTION F
3141 BACKHOE
BKH-1
CHECK VALVE AND CONNECTIONS -CONTINUED
-STABILIZER-
PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONTROL VALVE
-FOUR POSITION SPRING CENTERED-



	383 269 R94	VALVE ASSY, HYD CONTROL
1	432 539	PLUG, 7/16 STL BUTTON
2	376 425 R1	CAP ASSY, CONTROL VALVE
3	377 803 R1	PLUG, SPRING RETAINING
4	377 802 R1	SPRING, DETENT
5	377 801 R1	WASHER, DETENT ACTUATING BALL
6	17 010 R1	BALL, 5/16 DIA CR-STL
7	17 008 R1	BALL, 1/4 DIA CR-STL -DETENT- -3-
8	376 428 R1	SLEEVE, POSITION CONTROL
9	382 661 R2	ACTUATOR, CENTERING SPRING
10	376 423 R1	RETAINER, CENTERING SPRING
11	384 381 R1	SPRING, CENTERING
12	376 420 R1	WASHER, CENTERING SPRING - THIN
13	395 783 R1	SLEEVE, CAP RETAINING
14	395 781 R2	RETAINER, VALVE SPOOL O-RING

3141 BACKHOE -60- SECTION F

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONTROL VALVE -CONTINUED
-FOUR POSITION SPRING CENTERED-

15	528 249 R1	O-RING, 7/8 X 1-1/16 X 3/32
16	394 707 R93	BODY ASSY, CONTROL VALVE -WILL WORK FOR 382 850 R11-
17	406 181 R1	O-RING, 7/8 X 1-1/8 X 1/8
18	395 278 R1	SPRING, CHECK POPPET
19	395 277 R1	POPPET ASSY, CHECK
20	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32
21	383 280 R1	RETAINER, CHECK POPPET
22	362 796 R1	O-RING, 15/16 X 1-1/8 X 3/32
23	376 433 R1	WASHER, VALVE BODY PLUG O-RING BACK-UP
24	228 275 R1	RING, CHECK BALL RETAINER SNAP

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONTROL VALVE -CONTINUED -FOUR POSITION SPRING CENTERED-	
	383 548 R92	PACKAGE, OPEN CENTER CONTROL VALVE -CONSISTS OF	
		1 O-RING 359 158 R1	
		1 O-RING 406 181 R1	
		1 O-RING 528 249 R1	
		$1 O-RING 377 805 R1	
		1 O-RING 362 796 R1	
		1 O-RING 364 879 R1	
		$1 PISTON, UNLATCHING 377 804 R1	
		1 POPPET ASSY 395 277 R1	
		1 RETAINER 383 280 R1	
		1 RING, SNAP 228 275 R1	
		1 SPRING 395 278 R1	
		1 WASHER 376 433 R1-	

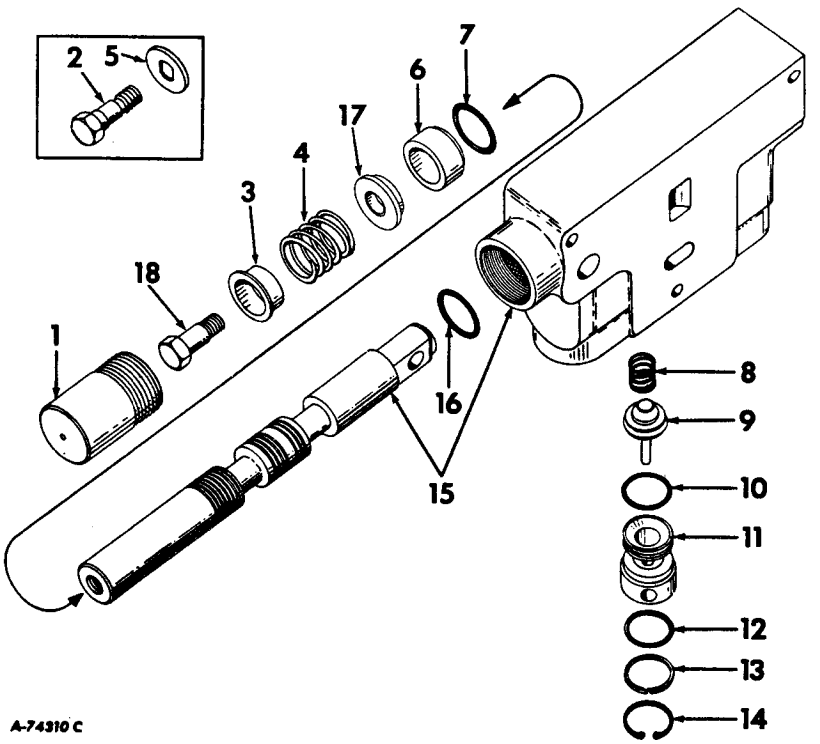
3141 BACKHOE -61- SECTION F

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

HYDRAULIC CONTROL VALVES
-THREE POSITION SPRING CENTERED-



A-74310 C

	383 270 R93	VALVE ASSY, HYD CONTROL	
	383 271 R94	VALVE ASSY, HYD CONTROL	
	394 705 R94	VALVE ASSY, HYD CONTROL	
1	395 782 R1	CAP, CENTERING SPRING -FOR SERVICE OF 384 287 R1 ALSO ORDER 395 781 R1-	
2	384 288 R1	SCREW, CENTERING SPRING -ORDER RETAINER, 406 825 R1 AND SCREW, 395 950 R1-	
3	376 423 R1	RETAINER, CENTERING SPRING	
4	384 381 R1	SPRING, CENTERING	
5	376 421 R1	WASHER, CENTERING SPRING THICK -ORDER RETAINER, 406 825 R1 AND SCREW, 395 950 R1-	
6	395 781 R2	RETAINER, VALVE SPOOL O-RING -FOR SERVICE OF 382 852 R1 ALSO ORDER 395 782 R1-	
7	528 249 R1	O-RING, 7/8 X 1-1/16 X 3/32 -CONTROL VALVE SPOOL LOWER-	
8	395 278 R1	SPRING, CHECK POPPET -REPLACES 383 190 R1-	
9	395 277 R1	POPPET, W/SEAL CHECK -FOR SERVICE OF 383 279 R11 ALSO ORDER 395 278 R1-	

3141 BACKHOE -62- SECTION F

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

HYDRAULIC CONTROL VALVES -CONTINUED
-THREE POSITION SPRING CENTERED-

10	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32 -CHECK BALL RETAINER INNER-	
11	383 280 R1	RETAINER, CHECK BALL	
12	362 796 R1	O-RING, 15/16 X 1-1/8 X 3/32 -CHECK BALL RETAINER OUTER-	
13	376 433 R1	WASHER, VALVE BODY PLUG O-RING BACK-UP	
14	228 275 R1	RING, CHECK BALL RETAINER SNAP	
15	382 850 R21	BODY ASSY, CONTROL VALVE -FOR 383 270 R93-	
15	383 276 R93	BODY ASSY, CONTROL VALVE -FOR 383 271 R94-	
15	394 707 R93	BODY ASSY, CONTROL VALVE -FOR 394 705 R94-	
16	406 181 R1	O-RING, 7/8 X 1-1/8 X 1/8	
17	406 825 R1	RETAINER, CENTERING SPRING	
18	395 950 R1	SCREW, CENTERING SPRING	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONTROL VALVES -CONTINUED
-THREE POSITION SPRING CENTERED-

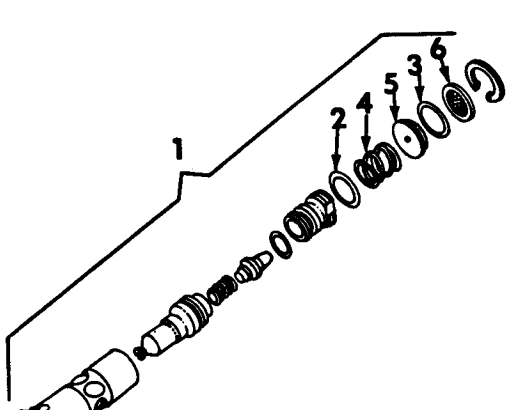
383 548 R92 PACKAGE, OPEN CENTER CONTROL VALVE
CONSISTS OF-

1	O-RING	359 158 R1
1	O-RING	406 181 R1
1	O-RING	528 249 R1
1	O-RING	$377 805 R1
1	O-RING	362 796 R1
1	O-RING	364 879 R1
1	PISTON, UNLATCHING	396 582 R1
1	POPPET ASSY	395 277 R1
1	RETAINER	383 280 R1
1	RING, SNAP	228 275 R1
1	SPRING	395 278 R1
1	WASHER	376 433 R1

3141 BACKHOE -63- SECTION F

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

PILOT RELIEF VALVE

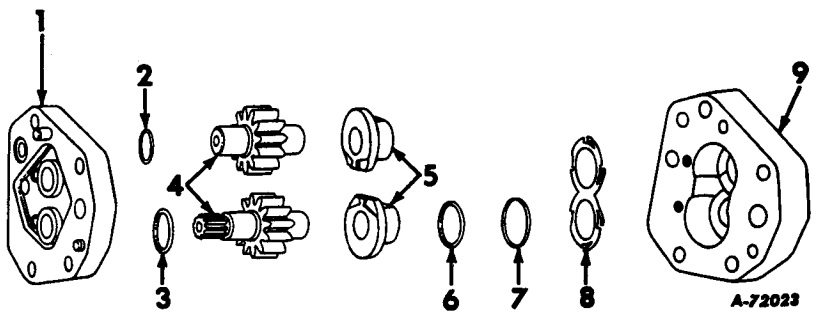


A-72082C

1	388 208 R93	VALVE ASSY, PILOT RELIEF -2000 P.S.I.-
1	396 729 R92	VALVE ASSY, PILOT RELIEF - 2250 P.S.I.-
2	406 185 R1	O-RING, 5/8 X 3/4 X 1/16 -POPPET-
3	298 385 R1	O-RING, 11/16 X 13/16 X 1/16 -ORIFICE PLATE-
4	386 040 R1	SPRING POPPET RETURN
5	386 042 R1	PLATE, ORIFICE
6	386 073 R91	SCREEN ASSY, PILOT RELIEF VALVE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC GEAR PUMP
-THOMPSON 7 GPM-



	381 115 R92	PUMP ASSY, HYD GEAR -OPTIONAL WITH 381 116 R92-
1		COVER ASSY, PUMP FRONT -NOT SERVICED SEPARATELY ORDER PUMP ASSY-
2		O-RING, 9/16 X 11/16 -PUMP COVER PRESSURE -NOT SERVICED SEPARATELY -ORDER PACKAGE, 371 542 R92-
3		O-RING, PUMP COVER -NOT SERVICED SEPARATELY - ORDER PACKAGE 371 542 R92-
4		PACKAGE, DRIVE AND DRIVEN GEAR -NOT SERVICED SEPARATELY -ORDER PACKAGE, 371 542 R92-
5		PACKAGE, PRESSURE BEARING -NOT SERVICED SEPARATELY -ORDER PACKAGE, 371 542 R92-
6		O-RING, 7/8 X 1-1/16 X 3/32 -2- -OUTSIDE PRESSURE BEARING- -NOT SERVICED SEPARATELY -ORDER PACKAGE, 371 542 R92-
7	373 182 R1	RETAINER, PRESSURE BEARING O-RING -USED WITH O-RING OUTSIDE BEARING -2-
8	371 531 R1	SPRING, PRESSURE PLATE
9		BODY, PUMP -NOT SERVICED SEPARATELY ORDER PUMP ASSY-
	371 542 R92	PACKAGE, HYD PUMP O-RING AND GASKET SERVICE

CONSISTS OF-

1	GASKET	371 543 R2
$2	O-RING	253 070 R1
2	O-RING	364 879 R1
$2	O-RING	371 544 R1
$1	O-RING	369 908 R1
$2	WASHER	368 635 R1

3141 BACKHOE -64- SECTION F

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC GEAR PUMP -CONTINUED
-THOMPSON 7 GPM-

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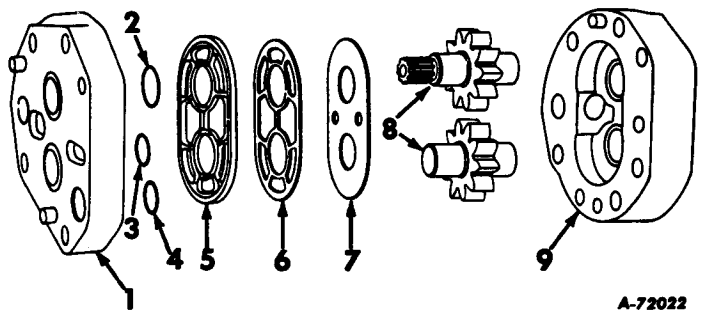
REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC GEAR PUMP
-CESSNA 7 GPM-



A-72022

	381 116 R92	PUMP ASSY, HYD GEAR -OPTIONAL WITH 381 115 R92-
1		COVER ASSY, PUMP FRONT -NOT SERVICED SEPARATELY ORDER PUMP ASSY-
2	574 069 R1	O-RING, 3/4 X 7/8 X 1/16 -PUMP COVER-
3	370 920 R1	O-RING, 1/2 X 5/8 X 1/16 -PUMP COVER-
4		O-RING, 9/16 X 11/16 X 1/16 -PUMP PRESSURE EXTERNAL -NOT SERVICED SEPARATELY - ORDER PACKAGE 381 154 R91-
4		O-RING, 9/16 X 11/16 X 1/16 -PUMP PRESSURE INTERNAL -NOT SERVICED SEPARATELY - ORDER PACKAGE 381 154 R91-
5		SEAL, DIAPHRAGM -NOT SERVICED SEPARATELY - ORDER PACKAGE 381 154 R91-
6		GASKET, BACK-UP -NOT SERVICED SEPARATELY - ORDER PACKAGE 381 154 R91-
7		DIAPHRAGM, PRESSURE -NOT SERVICED SEPARATELY - ORDER PACKAGE 381 154 R91-
8		PACKAGE, DRIVE AND DRIVEN GEAR -NOT SERVICED SEPARATELY -ORDER PACKAGE, 381 154 R91-
9		BODY W/BUSHINGS ASSY, PUMP -NOT SERVICED SEPARATELY -ORDER PACKAGE, 381 154 R91-

381 154 R91 PACKAGE, HYD PUMP O-RING AND GASKET SERVICE
CONSISTS OF-

$1	DIAPHRAGM	371 551 R1
1	GASKET	371 543 R2
$1	GASKET	371 553 R1
$1	GASKET	381 155 R1
1	O-RING	370 920 R1
$2	O-RING	392 384 R1
1	O-RING	574 069 R1
$1	SEAL	371 552 R1
1	WASHER	370 897 R1

3141 BACKHOE -65- SECTION F

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

HYDRAULIC GEAR PUMP -CONTINUED
-CESSNA 7 GPM-

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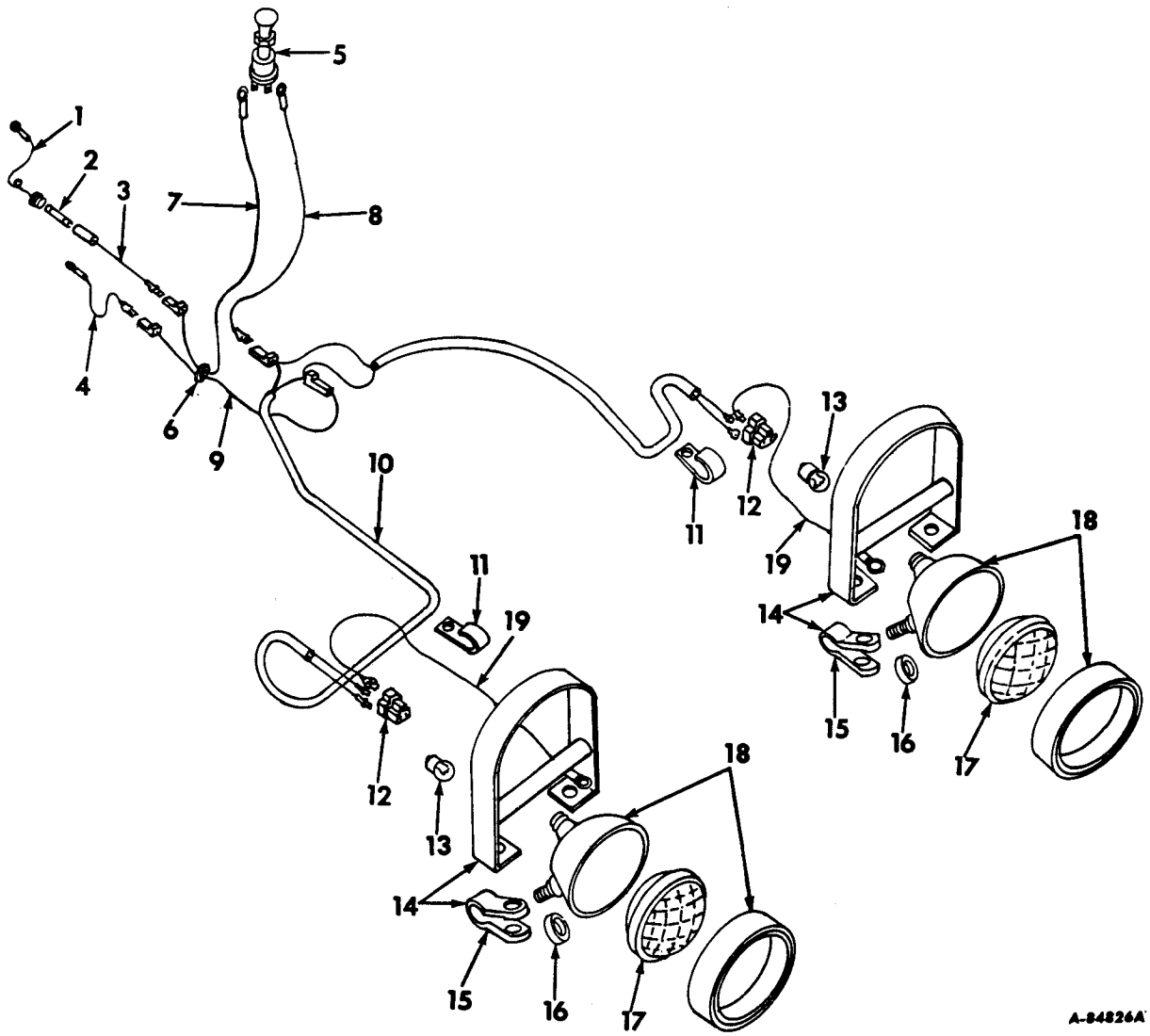
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

LIGHTING EQUIPMENT



1	469 656 R1	CABLE ASSY, FUSE HOUSING	
1	484 924 R1	CABLE ASSY, FUSE TO BREAKAWAY HOUSING -FOR USE ON 500 CRAWLER TRACTOR-	
2	117 142	FUSE, CARTRIDGE TYPE AGC 10	
3	469 657 R1	CABLE ASSY, FUSE	
3	484 923 R1	CABLE ASSY, FUSE HOUSING TO AMMETER NEG TERMINAL-FOR USE ON 500 CRAWLER TRACTOR ONLY-	
4	481 701 R91	CABLE ASSY	
4	484 925 R1	CABLE ASSY, TAIL LIGHT TERMINAL TO BACKHOE -FOR USE ON 500 CRAWLER TRACTOR ONLY-	
4	492 623 R1	CABLE ASSY, BACKHOE LIGHTS -FOR 500 C CRAWLER TRACTORS-	
5	362 818 R91	SWITCH ASSY, LIGHTING	
6	42 486 H	GROMMET, RUBBER	
7	481 735 R91	CABLE ASSY, LIGHTING SWITCH TO FUSE HOUSING JUNCTION	
8	481 736 R91	CABLE ASSY, SWITCH TO HEAD LIGHT CABLE ASSY	
9	481 734 R91	CABLE ASSY, INTERMEDIATE TAIL LAMP	
10	481 733 R91	CABLE ASSY, HEAD LIGHT	
11	366 460 R1	CLIP, CABLE -2-	
12	377 105 R1	CONNECTOR -2-	
13	455 490	LAMP, BULB -2-	
14	482 979 R11	GUARD ASSY, BACKHOE LAMP -2-	
	120 377	NUT, 3/8-16 C-Z HEX. -4-	
	180 124	SCREW, 3/8-16 X 1-1/4 C-Z HEX-HD CAP -4-	
	120 382	WASHER, 3/8 C-Z MED LOCK -4-	
15	350 920 R1	CLAMP, HEAD LAMP -2-	

3141 BACKHOE -66- SECTION F

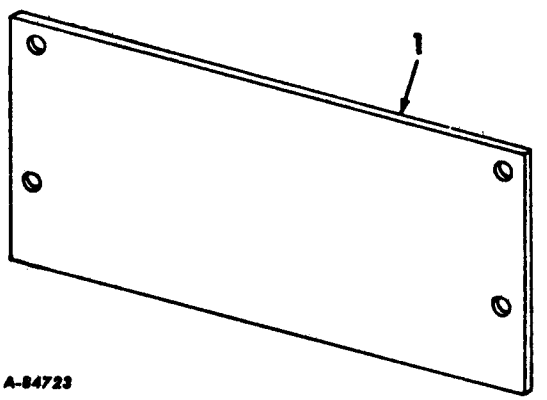
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

LIGHTING EQUIPMENT -CONTINUED

PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION
		LIGHTING EQUIPMENT -CONTINUED
16	365 503 R1	SPACER, LAMP -2-
	120 378	NUT, 1/2-13 C-Z HEX. -2-
	120 384	WASHER, 1/2 C-Z MED LOCK -2-
17	371 461 R91	LAMP, SEALED BEAM UNIT -2-
18	387 729 R91	LIGHT ASSY, COMBINATION SHOCK PROOF -2-
19	481 737 R91	CABLE ASSY, LIGHT TO GROUND -2-

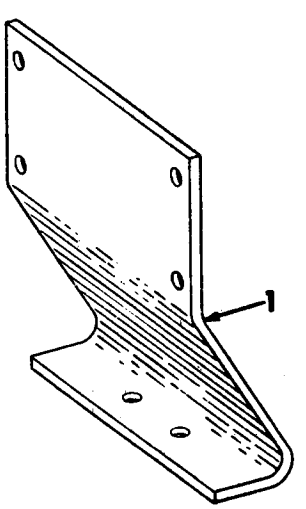
STANDARD BUCKET WEIGHT ATTACHMENT FOR 500 CRAWLER TRACTOR W/BACKHOE



A-84723

1	484 485 R1	PLATE, BUCKET WEIGHT -10-
	124 589	NUT, 5/8-11 C-Z HEX -4-
	21 136 R1	SCREW, 5/16-11 X 6-1/4 HEX-HD CAP -4-
	121 574	WASHER, 5/8 C-Z MED LOCK -4-
	131 016	WASHER, 21/32 X 1-5/16 X .095 C-Z -4-

BATTERY MOUNTING BRACKET -FOR I-504 & I-606 DIESEL TRACTORS-

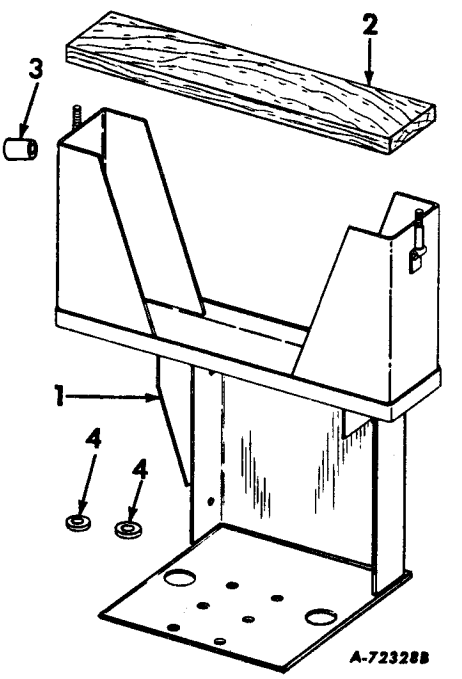


A-74568A

-67- SECTION F
3141 BACKHOE
BKH-1

REF. NO.	PART NUMBER	DESCRIPTION
		BATTERY MOUNTING BRACKET -FOR I-504 & I-606 DIESEL TRACTORS- -CONTINUED
		-CONTINUED
1	471 555 R1	BRACKET, BATTERY MOUNTING
	120 378	NUT, 1/2-13 C-Z HEX. -4-
	180 175	SCREW, 1/2-13 X 1-1/4 C-Z HEX-HD CAP -4-
	180 191	SCREW, 1/2-13 X 3-1/4 C-Z HEX-HD CAP -2-
	120 384	WASHER, 1/2 C-Z MED LOCK -4-
M	81 610	SPACER, BATTERY MOUNTING BRACKET -2- -FOR I-2504 AND I-606 DIESEL-
	313 517 R1	KEY, SQUARE
	664 151 R1	SPACER, BATTERY MOUNTING BRACKET -FOR I-504, I-606, I-2504 & I-2606

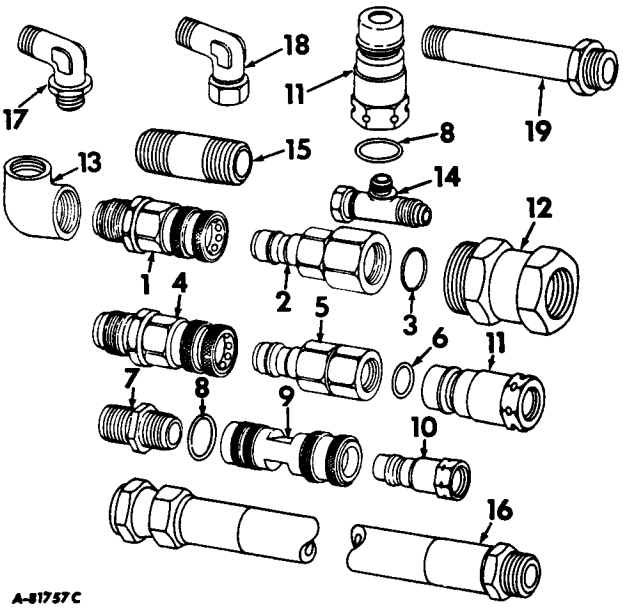
BATTERY TRAY -FOR 3414 AND 3444 LOADER TRACTORS



A-72328B

1	393 826 R91	TRAY ASSY, BATTERY BOX
	180 175	SCREW, 1/2-13 X 1-1/4 C-Z HEX-HD CAP -6-
	50 939 DA	SCREW, BATTERY BOX -2-
2	471 161 R1	SPACER, BATTERY -FOR GASOLINE VERSION ONLY-
3	619 260 R1	SPACER, BATTERY BOX -2-
3 N	10 268	SPACER, BATTERY BOX -2- -FOR 3444 LOADER TRACTOR-
4	390 554 R1	WASHER, BATTERY BOX -4 USED W/3414 TRACTORS- -2 USED W/3444 TRACTORS-
	472 086 R91	CABLE ASSY, BATTERY TO SOLENOID SWITCH -FOR 3414 LOADER TRACTOR-

HYDRAULIC QUICK DISCONNECT COUPLER ATTACHMENT- BKH-1



A-81757C

A - FOR USE W/INTERNATIONAL 504, 606, 2504 & 2606 TRACTORS W/ INDEPENDENT SUBFRAME AND INTERNATIONAL 3444 TRACTOR

B - FOR USE W/INTERNATIONAL 504 606, 2504, 2606 W/INDEPENDENT SUBFRAME, 500 CRAWLER TRACTOR & 3444 TRACTOR W/AUX VALVES & W/ORW/O HITCH-

C - FOR USE W/3444 TRACTORS W/HITCH & W/AUX VALVES & WITH DIVERTER VALVE-

D - FOR USE W/INTERNATIONAL 504, 606, 2504 & 2606 TRACTOR W/LOADER-

E - FOR USE W/INTERNATIONAL 3414 TRACTOR W/HITCH-

F - FOR USE W/INTERNATIONAL 3414 TRACTOR W/O HITCH-

G - FOR USE W/INTERNATIONAL 3514 AND 3616 TRACTOR-

H - FOR USE W/ INTERNATIONAL 3444 TRACTORS W/HITCH & W/O AUX VALVES & W/O DIVERTER VALVE-

J - FOR USE W/ INTERNATIONAL 3444 TRACTORS W/O HITCH & W/O AUX VALVES & W/DIVERTER VALVE-

HYDRAULIC QUICK DISCONNECT COUPLER -CONTINUED ATTACHMENT- BKH-1

-CONTINUED

K - FOR USE W/ INTERNATIONAL 504 606, 2504 & 2606 TRACTORS W/ INDEPENDENT SUBFRAME-

L - FOR USE W/ INTERNATIONAL 3444 TRACTORS W/HITCH & W/ AUX VALVES & W/O DIVERTER VALVE-

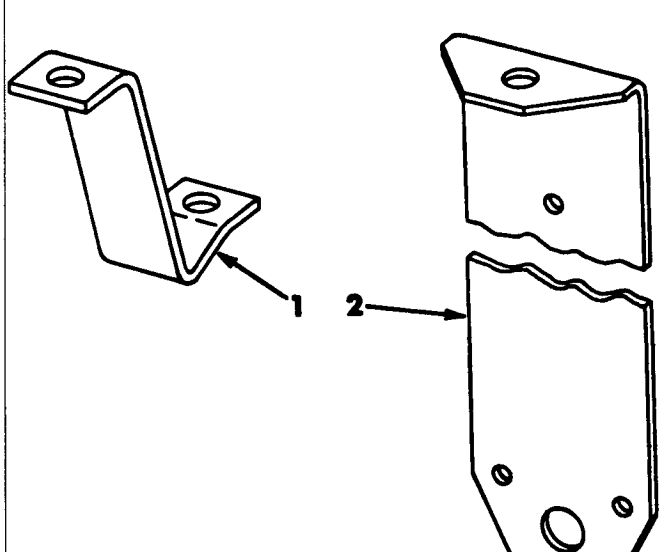
M - FOR USE W/ INTERNATIONAL 3444 TRACTORS W/O HITCH & W/AUX VALVES-

REF. NO.	PART NUMBER	DESCRIPTION
1	480 744 R91	COUPLER ASSY, HYD-SNAP TITE- -UNIT N- -2 FOR UNIT A-
2	480 743 R91	NIPPLE ASSY, HYD -SNAP TITE- -UNIT N- -2 FOR UNIT A-
3	296 247 R1	O-RING, 1-11/64 X 1-13/32 X 7/64 -UNIT H, J AND N- -3 FOR UNIT A-
4	480 746 R91	COUPLER ASSY, HYD-SNAP TITE- -UNIT B-
5	480 745 R91	NIPPLE ASSY, HYD -SNAP TITE- -UNIT B-
6	297 459 R1	O-RING, 1-3/64 X 1-9/32 X 1/8 -UNIT B-
7	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED -UNIT D, F, G, J, K AND M-
8	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -UNIT L AND H- -2 FOR UNIT D, E AND G- -3 FOR UNIT C, F, G, K, J AND M-
9	395 150 R91	COUPLER ASSY, SELF-SEALING FEMALE -UNIT C, D, F, G, H, J, K, L & M-
9	395 152 R91	COUPLER ASSY, SELF-SEALING PIPE THD FEMALE -1 FOR UNIT E-
10	395 151 R1	COUPLER ASSY, SELF-SEALING PIPE THD MALE -UNIT E, H AND L-
11	395 149 R91	COUPLER ASSY, SELF-SEALING MALE -2- -UNIT C, D, F, G, H, J, K, L & M-
12	485 313 R1	CONNECTOR, 7/8-14 37 DEG SWIVEL -UNIT C, D, F, G, K AND M- -2 FOR UNIT J-
12	485 312 R1	CONNECTOR, 1-3/16-12 37 DEG SWIVEL -UNIT D, E, F, G, H AND J-
12	481 766 R1	CONNECTOR, 1-5/16-12 37 DEG HYD FLARED -UNIT D, E, F, G, H AND J- -2 FOR UNIT C, K, L AND M-
13	444 045	ELBOW, 1/2-14 C-Z AUTO 90 DEG ST. -UNIT E-
14	485 314 R2	TEE, SWIVEL RUN REDUCER -UNIT D AND K-
15	140 537	NIPPLE, 1/2-14 X 2 PIPE -1 FOR UNIT E-
15	192 075	NIPPLE, 1/2 X 1-1/2 C-Z PIPE -1 FOR UNIT H AND L-
16	477 881 R91	HOSE ASSY, HYD -UNIT D AND K-
17	9 410 978	ELBOW, 7/8-14 HYD 37 DEG FLARED TUBE ADJ STR-THD 90 DEG -UNIT C, H AND L-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC QUICK DISCONNECT COUPLER -CONTINUED	
		ATTACHMENT-	
18	9 410 285	ELBOW, 1-5/16-12 HYD 37 DEG FLARED TUBE 90 DEG SWIVEL -1 FOR UNIT H AND J- -2 FOR UNIT C, L AND M-	
18	9 410 282	ELBOW, 7/8-14 HYD 37 DEG FLARED TUBE 90 DEG SWIVEL -1 FOR UNIT J AND M-	
19	9 410 207	CONNECTOR, 1-5/16-12 HYD 37 DEG FLARED TUBE SHORT SWIVEL -UNIT C, H, J, L AND M-	
	2 752 936 R1	PRODUCT GRAPHIC, WARNING -BE SURE HYD QUICK COUPLERS ARE PROPERLY CONNECTED BEFORE STARTING ENGINE- -UNIT A AND B-	
	481 805 R91	SERVICE KIT, -FOR SNAP TITE COUPLINGS COMPOSED OF- 5 O-RINGS 1 BACK-UP RING -UNIT A AND B-	

3141 BACKHOE -69- SECTION F

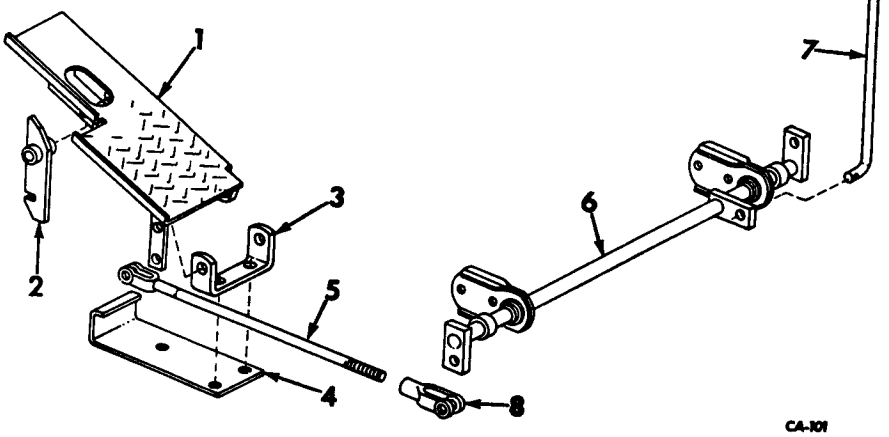
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		FLASHING LIGHT BRACKETS	



1	394 420 R1	BRACKET, FLASHING LIGHT -FOR USE ON 3414 AND 3444 TRACTORS-	
	120 378	NUT, 1/2-20 C-Z HEX.	
	180 173	SCREW, 1/2-20 X 1 HEX-HD CAP	
	120 389	WASHER, 1/2 X 1-1/4 X .064 C-Z	
	120 384	WASHER, 1/2 C-Z MED LOCK	
2	485 354 R1	BRACKET, TAIL AND FLASHING LIGHT -FOR USE ON INTERNATIONAL 504, 606, 2504, AND 2606 TRACTORS-	
	392 064 R91	CABLE ASSY, -FOR USE ON INTERNATIONAL 504, 606, 2504 AND 2606 TRACTORS-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

FOOT OPERATED SWING ATTACHMENT



1	491 821 R1		PEDAL ASSY, FOOT LH
1	491 822 R1		PEDAL ASSY, FOOT RH
2	491 828 R11		LOCK ASSY, PEDAL -2-
	477 299 R1		PIN, 7/16 X 2-1/8 C-Z STD-HD -2-
	18 481 R1		PIN, 3/16 X 1 C-Z COT. -2-
3	491 829 R1		BRACKET, PEDAL -2-
4	491 830 R1		STRAP, PEDAL LOCK -2-
	180 079		SCREW, 5/16-18 X 1 ZND HEX-HD CAP -4-
	19 286 R1		BOLT, 5/16-18 X 3/4 CDP HEX-HD MACH -2-
	120 214		WASHER, 5/16 C-Z MED LOCK -6-
	120 376		NUT, 5/16-18 C-Z HEX. -6-
Q	3 553		PIN, 1/2 X 5 STD-HD -2-
	120 396		WASHER, 17/32 X 1-1/16 X .074 -2-
	103 407		PIN, 3/16 X 1 COT. -2-
5	491 831 R1		ROD ASSY, FOOT PEDAL -2-
6	491 833 R2		SHAFT ASSY, CROSS
	180 022		SCREW, 1/4-20 X 7/8 ZND HEX-HD CAP -4-
	120 392		WASHER, 9/32 X 5/8 X .065 C-Z -8-
	120 380		WASHER, 1/4 C-Z MED LOCK -4-
	493 747 R1		NUT, TWIN -4-
7	491 838 R2		ROD, SWING VALVE CONTROL
	120 394		WASHER, 13/32 X 13/16 X .051 -2-
	585 614 R1		PIN, QUICK ATTACHING COTTER -2-
8	148 382		CLEVIS, ADJUSTABLE END -2-
	124 925		NUT, 3/8-24 JAM -2-
	446 548		WASHER, 3/8 X 3/4 X .051 -4-
	138 084		PIN, 3/8 X 1-3/32 STD-HD -4-
	121 222		PIN, 3/32 X 3/4 COT. -4-

3141 BACKHOE -70- SECTION F

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

FOOT OPERATED SWING ATTACHMENT -CONTINUED

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	PRODUCT GRAPHICS		
	484 730 R92	PACKAGE, PRODUCT GRAPHICS, 3141 BACKHOE -CONSISTS OF	
2	751 154 R1	$ PRODUCT GRAPHICS, LIFT & CROWD CONTROL INSTRUCTIONS -ON RH VALVE MOUNTING PLATE-	
2	752 532 R1	$ PRODUCT GRAPHICS, CONTROL INSTRUCTIONS -ON LH VALVE MOUNTING PLATE-	
2	752 531 R1	$ PRODUCT GRAPHICS, CONTROL INSTRUCTIONS -ON VALVE MOUNTING PLATE- -2-	
2	753 924 R1	$ PRODUCT GRAPHIC, IDENTIFICATION NO	
2	753 295 R1	PRODUCT GRAPHIC, MODEL DESIGNATION -2-	
2	752 019 R1	PRODUCT GRAPHICS, IH -ON BOTH SIDES AND ON TOP OF DIPPERSTICK- -3-	
2	752 300 R1	PRODUCT GRAPHICS, INTERNATIONAL -BOTH SIDES OF BOOM- -2-	
2	752 018 R1	PRODUCT GRAPHICS, IH -ON FRONT CONTROL SHROUD-	
2	754 177 R1	PRODUCT GRAPHIC, LOCKOUT VALVE	
	142 862	SCREW, NO. 4 X 1/4 RD-HD BLUNT METAL -8-	

3141 BACKHOE -71- SECTION F

REF. NO. PART NUMBER DESCRIPTION BKH-1

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

3141 BACKHOE -72- SECTION F

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 12

BKH-1

INTERNATIONAL 3122 SERIES A BACKHOE

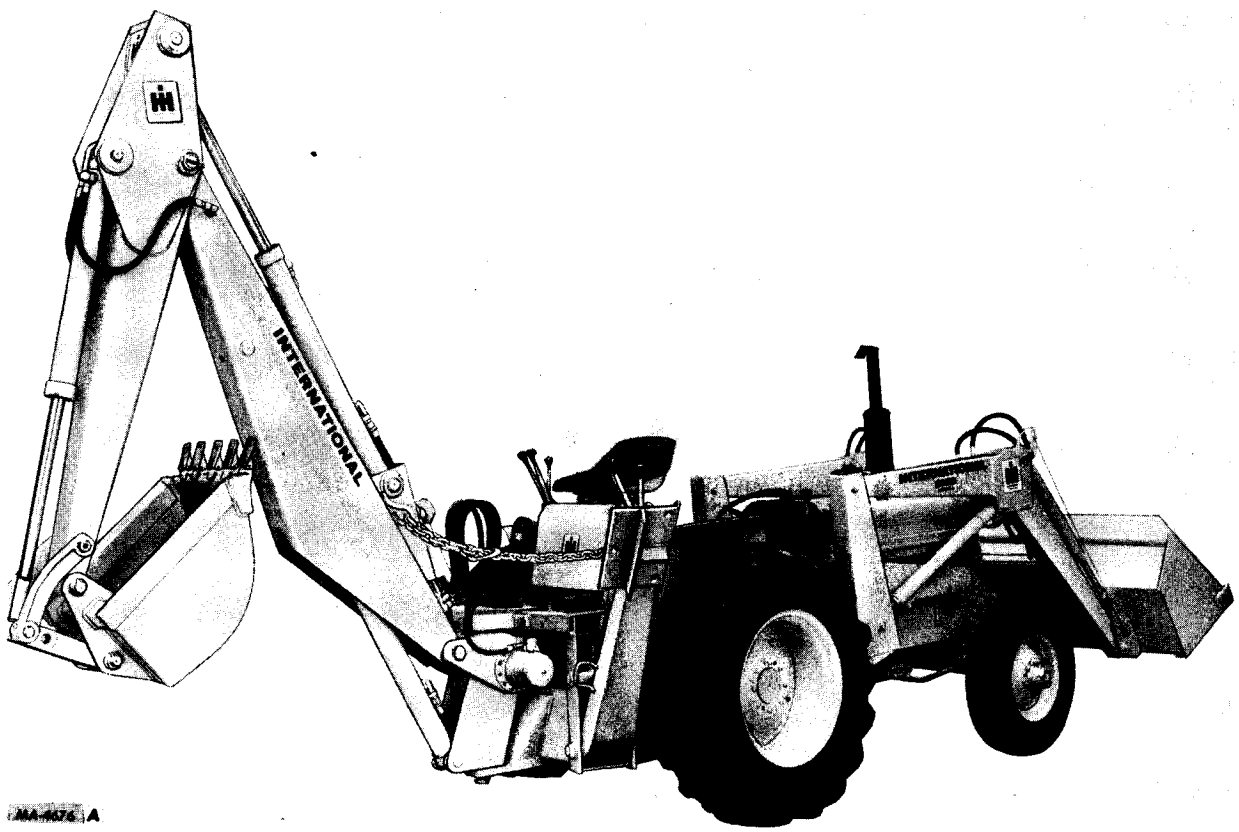
Built 1971 and Since

For use on the following:

2400 SERIES A LOADER TRACTORS

500C CRAWLER TRACTORS

TRUCK MOUNTED UTILITY BACKHOE



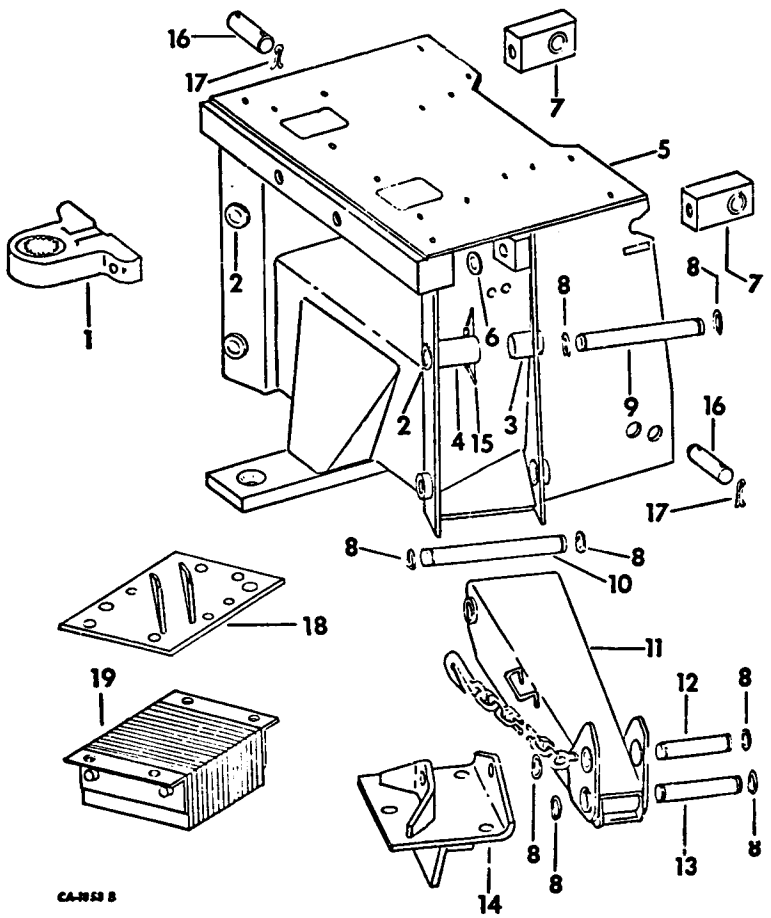
International 3122 Series A Backhoe shown on International 2400 Series A Tractor

INDEX TO UNITS BKH-1

DESCRIPTION	Gp	Pg	Grid
BOOM		7	3A8
BRACKET, Slow Moving Vehicle			
2400 Series A Tractor		53	3C6
500C Crawler Tractors		53	3C6
BUCKET		7	3A8
CONSOLE			
2400 Series A Tractors		16	3A17
CONTROLS, Hydraulic			
2400 Series A Tractors		18	3A19
500C Crawler Tractors		20	3A21
CYLINDERS, Hydraulic		10	3A11
DIPPERSTICK		7	3A8
ELECTRICAL CONNECTIONS			
Utility Backhoe		56	3C9
FILTER, Oil			
Utility Backhoe		49	3C2
FLASHING WARNING LIGHT		55	3C8
FLOOR PLATES			
2400 Series A Tractors		16	3A17
500C Crawler Tractors		20	3A21
Utility Backhoe		22	3A23
FRAME, Main			
2400 Series A Tractors		3	3A4
500C Crawler Tractors		3	3A4
Utility Backhoe		5	3A6
FROST BREAKER		12	3A13
HYDRAULIC CONNECTIONS			
Basic		35	3B12
2400 Series A Tractors		29	3B6
500C Crawler Tractors		31	3B8
Utility Backhoe		33	3B10
HYDRAULIC POWER SUPPLY			
2400 Series A Tractors w/Cast Rear Frame		36	3B13
2400 Series A Tractors w/Flat Rear Frame		38	3B15
500C Crawler Tractors		40	3B17
Utility Backhoe		41	3B18
LEVERS CONTROL			
Utility Backhoe		22	3A23
LIGHTING			
2400 Series A Tractors		54	3C7
500C Crawler Tractors		52	3C5
Utility Backhoe		58	3C11
PADS			
2400 Series A Tractors		3	3A4
500C Crawler Tractors		3	3A4
PRODUCT GRAPHICS		57	3C10
PUMP, Hydraulic Gear			
Cessna		45	3B22
Thompson		45	3B22
SEAT			
2400 Series A Tractors		14	3A15
500C Crawler Tractors		15	3A16
Utility Backhoe		15	3A16
STABILIZER			
2400 Series A Tractors		3	3A4
500C Crawler Tractors		3	3A4
Utility Backhoe		5	3A6
SUBFRAME			
2400 Series A Tractors		13	3A14
500C Crawler Tractors		14	3A15
SUPPORT, Seat			
2400 Series A Tractors		14	3A15
500C Crawler Tractors		15	3A16
Utility Backhoe		15	3A16
SWING MECHANISM		43	3B20
TUBE, Hydraulic			
2400 Series A Tractors		29	3B6
500C Crawler Tractors		31	3B8
Utility Backhoe		33	3B10
VALVE BANKS, Hydraulic			
2400 Series A Tractors		24	3B1
500C Crawler Tractors		26	3B3
Utility Backhoe		27	3B4
VALVES			
Check			
Stabilizer		47	3B24
		48	3C1
Lever Operated		47	3B24
Utility Backhoe and 500C Crawler Tractors		46	3B23
		47	3B24
Diverter		50	3C3
Flow Divider		45	3B22
Pilot Relief		44	3B21
Three Position Control		28	3B5
Tilt Control			
Utility Backhoe		51	3C4

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

MAIN FRAME STABILIZER AND PADS
-2400 SERIES A TRACTOR AND 500C
CRAWLER TRACTOR-



1	545 214 R91	MOUNT W/PILOTS, TOP SWING	
	289 757 R1	SCREW, 7/8-9 X 4-1/4 TYPE 8 HEX-HD -2-	
	384 697 R1	WASHER, .906 X 1-75 X 1.64 -4-	
	19 925 R1	NUT, 7/8-9 HEX -2-	
2	468 385 R1	BOSS, STABILIZER PIVOT -4-	
3	468 386 R1	BOSS, STABILIZER CYL REAR -2-	
4	468 387 R1	BOSS, STABILIZER CYL FRONT -2-	
5	492 573 R2	FRAME ASSY, BACKHOE MAIN	
6	470 459 R1	WASHER, 1-1/16 X 2 X 10 GA -2-	
7	540 966 R1	LUG, MAINFRAME MOUNTING -2-	
	21 305 R1	SCREW, 1-8 X 3-1/2 TYPE 8 HEX-HD -2- CAP	
8	468 283 R1	RING, EXTERNAL RETAINING -16-	
9	468 638 R2	PIN, STABILIZER CYL TO MAINFRAME -2-	
10	468 635 R2	PIN, STABILIZER TO MAINFRAME -2-	

-3- SECTION G
3122 SERIES A BACKHOE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

MAIN FRAME STABILIZER AND PADS -CONTINUED
-2400 SERIES A TRACTOR AND 500C
CRAWLER TRACTOR-

11	545 232 R1	STABILIZER ASSY, RIGHT -2400 SERIES A TRACTORS-
11	545 231 R1	STABILIZER ASSY, LEFT -2400 SERIES A TRACTORS-
11	468 656 R14	STABILIZER ASSY, BACKHOE RH -500C CRAWLER TRACTORS-
11	468 655 R14	STABILIZER ASSY, BACKHOE LH -500C CRAWLER TRACTORS-
12	468 637 R1	PIN, STABILIZER TO CYLINDER -2-
13	468 636 R1	PIN, STABILIZER TO PAD ASSY -2-
14	468 392 R11	PAD, STABILIZER -2-
15	471 402 R1	GUSSET, STABILIZER PIVOT TO MAIN FRAME -2-
16	543 330 R1	PIN, MAINFRAME LOCKING -2- -2400 SERIES A TRACTORS-
	21 656 R1	PIN, 3/8 X 2-3/4 ZND COT. -4-
16	492 570 R1	PIN, MAINFRAME LOCKING -2- -500C CRAWLER TRACTORS-

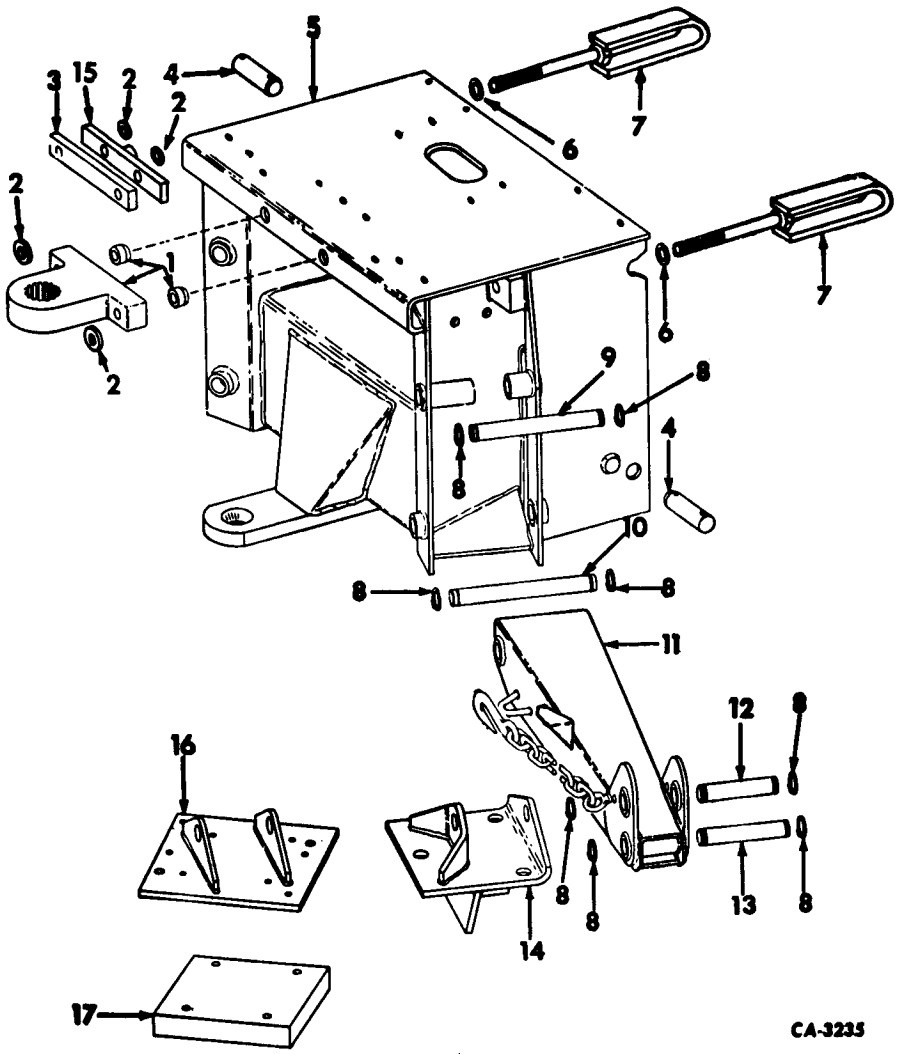
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		MAIN FRAME STABILIZER AND PADS -CONTINUED	
		-2400 SERIES A TRACTOR AND 500C	
		CRAWLER TRACTOR-	
16	492 571 R1	PIN ASSY, TIE BAR -2-	
		-500C CRAWLER TRACTORS-	
	621 006 C1	PIN, LOCKING -2-	
		-500C CRAWLER TRACTORS-	
17	621 006 C1	PIN, QUICK ATTACHING LOCK -4-	
18	469 103 R92	PAD ASSY, STABILIZER SOD LH	
18	469 104 R92	PAD ASSY, STABILIZER SOD RH	
	271 783	SCREW, 3/4-10 X 5 ZND HEX-HD CAP -8-	
	21 101 R1	WASHER, .781 X 2.25 X 11 GA -6-	
	220 016	NUT, 3/4-10 ZND HEX. -6-	
19	544 015 R1	PAD ASSY, STREET -2-	
	271 767	SCREW, 3/4-10 X1-1/2 2ND HEX-HD CAP -8-	
	131 046	WASHER, 3/4 ZND MED LOCK -8-	
	220 086	NUT, 3/4-10 HEX. -8-	

3122 SERIES A BACKHOE -4- SECTION G

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

MAIN FRAME AND STABILIZERS
-UTILITY BACKHOES-



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1	545 214 R91	MOUNT W/PILOTS, TOP SWING	
	289 757 R1	SCREW, 7/8-9 X 4-1/4 TYPE 8 HEX-HD CAP -2-	
2	384 697 R1	WASHER, .906 X 1.75 X .164 -4-	
3	468 388 R2	BAR, BACK-UP TOP SWING MOUNT	
4	543 330 R1	PIN, MAINFRAME LOCKING -2-	
	621 006 C1	PIN, QUICK ATTACHING LOCK -4-	
5	481 688 R91	FRAME ASSY, MAIN	
6	470 459 R1	WASHER, 1-1/16 X 2 X 10 GA -2- -USE 1 ON EACH FRAME MOUNTING EYEBOLT ASSY-	
7	473 651 R93	BOLT ASSY, MOUNTING EYE -2-	
	220 088	NUT, 1-8 ZND HEX. -2-	
	426 899	NUT, 1-8 ZND HEX. JAM -2-	

3122 SERIES A BACKHOE -5- SECTION G

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

MAIN FRAME AND STABILIZERS -CONTINUED
-UTILITY BACKHOES-

8	468 283 R1	RING, EXTERNAL RETAINING -16-
9	468 638 R2	PIN, STABILIZER CYL TO MAIN FRAME -2-
10	468 635 R2	PIN, STABILIZER TO MAIN FRAME -2-
11	468 655 R14	STABILIZER ASSY, RIGHT
11	468 656 R14	STABILIZER ASSY, LEFT
12	468 637 R1	PIN, STABILIZER TO CYL -2-
13	468 636 R1	PIN, STABILIZER TO PAD ASSY -2-
14	468 392 R11	PAD ASSY, BACKHOE STABILIZER TRENCHING -2-

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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		MAIN FRAME AND STABILIZERS -CONTINUED -UTILITY BACKHOES-	
15	484 483 R1	BAR, BACK-UP OUTER TOP SWING MOUNT	
	21 021 R1	SCREW, 7/8-9 X 5-1/2 TYPE 8 HEX-HD CAP -2-	
	19 925 R1	NUT, 7/8-9 TYPE 8 HEX. -2-	
16	469 103 R92	PAD ASSY, STABILIZER SOD LH	
16	469 104 R92	PAD ASSY, STABILIZER SOD RH	
17	544 015 R1	PAD, STABILIZER STREET -2-	
	271 767	SCREW, 3/4-10 X 1-1/2 ZND HEX-HD CAP -8-	
	131 046	WASHER, 3/4 ZND MED LOCK -8-	
	220 086	NUT, 3/4-10 ZND HEX -8-	

3122 SERIES A BACKHOE -6- SECTION G

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

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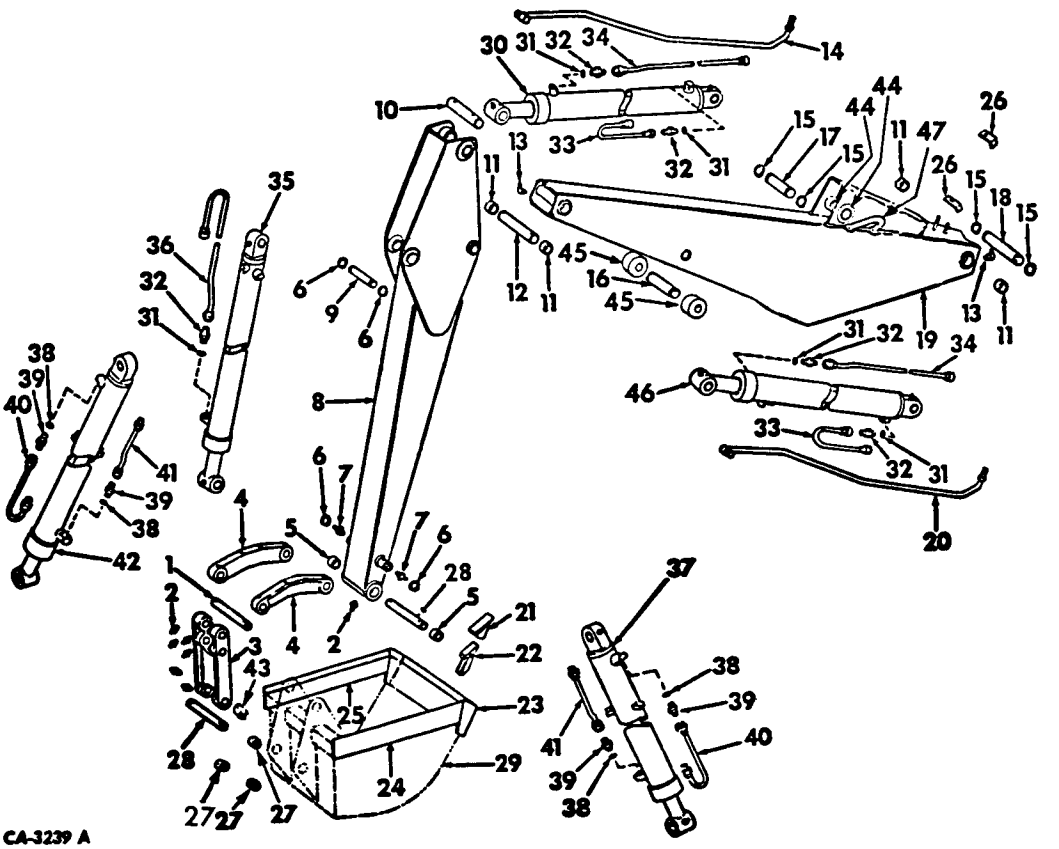
BKH-1

BOOM, BUCKET, DIPPERSTICK, HYDRAULIC CYLINDERS & CONNECTIONS



REF. NO.	PART NUMBER	DESCRIPTION
1	468 284 R3	PIN, FORWARD BUCKET & CYLINDER LINK
1	542 664 R2	PIN, FORWARD BUCKET & CYLINDER LINK -FOR USE W/13 IN. BUCKET-
	472 713 R1	PIN, 1/2 X 2-9/16 STD-HD -4-
	187 988	PIN, 3/16 X 1-1/4 C-Z COT. -2-
2	109 461	FITTING, 1/8-27 PTF STR LUB -7-
3	468 289 R1	LINK, REAR BUCKET
4	468 285 R2	LINK, FORWARD BUCKET LH
4	493 398 R1	LINK, FORWARD BUCKET RH
	187 988	PIN, 3/16 X 1-1/4 C-Z COT. -2-
	472 712 R1	PIN, 1/2 X 3-9/16 STD-HD -2-
5	468 280 R1	BUSHING, LINK PIVOT -2-
6	468 283 R1	RING, BUCKET LINK PIVOT SHAFT EXTERNAL SNAP -4-
7	109 461	FITTING, 1/8-27 PTF STR LUB -2- -2400 SERIES A TRACTORS AND UTILITY BACKHOE-
7	109 462	FITTING, 1/8-27 PTF 90 DEG ANGLE LUB -2- -500C CRAWLER TRACTORS-
8	545 234 R91	DIPPERSTICK ASSY
9	545 245 R1	PIN, BUCKET CYLINDER PIVOT
10	545 244 R1	PIN, DIPPERSTICK CYLINDER UPPER
	472 714 R1	PIN, 1/2 X 3-3/8 STD-HD -2-
	187 988	PIN, 3/16 X 1-1/4 C-Z COT. -2-

BKH-1

BOOM, BUCKET, DIPPERSTICK, HYDRAULIC -CONTINUED CYLINDERS & CONNECTIONS

REF. NO.	PART NUMBER	DESCRIPTION
11	468 366 R1	BUSHING, BOOM PIVOT CARRIER -4-
12	545 243 R1	PIN, DIPPERSTICK PIVOT
	187 988	PIN, 3/16 X 1-1/4 C-Z COT. -2-
	472 712 R1	PIN, 1/2 X 3-9/16 STD-HD -2-
	625 688 R1	WASHER, 2-1/32 X 3 X 16 GA -AS REQUIRED-
13	109 462	FITTING, 1/8-27 90 DEG ANGLE LUB -2- -BOOM PIVOT CARRIER-
14	470 474 R11	TUBE ASSY, BACKHOE BOOM LEFT
9	403 295	NUT, 7/8-14 C-Z BULKHEAD UNION LOCK
9	403 298	NUT, 1-5/16-12 C-Z BULKHEAD UNION LOCK
	138 566	WASHER, 7/8 C-Z INTERNAL TOOTH LOCK
	471 961 R1	WASHER, 1-5/16 C-Z INT-TOOTH LOCK
15	468 371 R1	RING, EXTERNAL RETAINING -6 USED 2400 SERIES A TRACTORS AND 500C CRAWLER TRACTORS- -4 USED UTILITY BACKHOE-
16	468 367 R1	PIN, LIFT CYLINDER UPPER -2400 SERIES A TRACTORS AND 500C CRAWLER TRACTORS-
16	468 287 R2	PIN, LIFT CYLINDER UPPER -UTILITY BACKHOE-
	19 982 R1	PIN, 1/2 X 3-3/4 HV COILED SPRING -2-
17	468 369 R1	PIN, DIPPERSTICK CYLINDER PIVOT

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		BOOM, BUCKET, DIPPERSTICK, HYDRAULIC -CONTINUED	
		CYLINDERS & CONNECTIONS	
18	468 368 R1	PIN, BOOM TO SWING MECHANISM	
	625 688 R1	WASHER, 2-1/32 X 3 X 16 GA	
19	468 353 R94	BOOM ASSY -REPLACES 545 230 R91-	
20	470 475 R11	TUBE ASSY, BACKHOE BOOM RIGHT	
	9 403 295	NUT, 7/8-14 C-Z BULKHEAD UNION LOCK	
	9 403 298	NUT, 1-5/16-12 C-Z BULKHEAD UNION LOCK	
	138 566	WASHER, 7/8 C-Z INT-TOOTH LOCK	
	471 961 R1	WASHER, 1-5/16 C-Z INT-TOOTH LOCK	
21	468 733 R1	TOOTH, POINT -3 USED FOR 13 IN. AND 18 IN. BELLHOLE, 4 USED FOR 16, 18 AND 20 IN., 5 USED FOR 22, 24 STD BELLHOLE, HIGH CAPACITY, 26 IN., 6 USED FOR 28, 30 AND 32 IN. AND 7 USED FOR 34 AND 36 IN. BUCKET-	
21	485 353 R1	TOOTH, POINT -HEAVY DUTY- -3 USED FOR 13 IN., 4 USED FOR 16, 18 STD AND MOLES PAW, 20 AND 24 IN. MOLES PAW, 5 USED FOR 22, 24 STD, BELLHOLE HIGH CAPACITY AND 26 IN., 6 USED FOR 28, 30 AND 32 IN., 7 USED FOR 34 AND 36 IN.-	
21	470 242 R1	TOOTH, POINT -SPECIAL FOR MOLES PAW TYPE BUCKET- -4 USED FOR 18 IN. AND 24 IN.-	
21	532 948 R1	TOOTH, POINT -4 USED 24 IN. HEAVY DUTY BUCKET- -5 USED 30 IN. HEAVY DUTY BUCKET AND 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET- -6 USED 36 IN. HEAVY DUTY BUCKET-	
	486 914 R1	PIN, TOOTH LOCK -ONE PER TOOTH-	
21	486 433 R1	TOOTH, POINT -4 FOR 18 AND 24 IN. MOLES PAW BUCKET-	
21	540 085 R1	TOOTH, LONG ROCK POINT -4 USED 24 IN., 5 USED 30 IN., 6 USED 36 IN. HEAVY DUTY BUCKETS-	
21	544 872 R1	TOOTH, WIDE POINT -3 USED FOR 13 IN., 4 USED FOR 16, 18 STD AND MOLES PAW, 20 AND 24 IN. MOLES PAW, 5 USED FOR 22, 24 STD, BELLHOLE HIGH CAPACITY AND 26 IN., 6 USED FOR 28, 30 AND 32 IN., 7 USED FOR 34 AND 36 IN.-	
21	544 873 R1	TOOTH, WIDE POINT -4 USED 24 IN. HEAVY DUTY BUCKET- -5 USED 30 IN. HEAVY DUTY BUCKET AND 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET- -6 USED 36 IN. HEAVY DUTY BUCKET-	
22	468 314 R1	SHANK, TOOTH -3 USED FOR 13 IN. AND 18 IN. BELLHOLE, 4 USED FOR 16, 18 AND 20 IN., 5 USED FOR 22, 24 STD BELLHOLE, HIGH CAPACITY, 26 IN., 6 USED FOR 28, 30 AND 32 IN. AND 7 USED FOR 34 AND 36 IN. BUCKET-	
22	471 547 R1	SHANK, TOOTH - SPECIAL FOR MOLES PAW TYPE BUCKET- -4 USED FOR 18 IN. AND 24 IN.-	
22	547 182 R1	SHANK, TOOTH -4 USED 24 IN. HEAVY DUTY BUCKET- -5 USED 30 IN. HEAVY DUTY BUCKET AND 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET- -6 USED 36 IN. HEAVY DUTY BUCKET-	

-8- SECTION G
3122 SERIES A BACKHOE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		BOOM, BUCKET, DIPPERSTICK, HYDRAULIC -CONTINUED	
		CYLINDERS & CONNECTIONS	
23	468 764 R1	BLADE, FRONT CUTTING -FOR 13 IN. BUCKET-	
23	483 615 R1	BLADE, FRONT CUTTING -FOR 16 IN. BUCKET-	
23	468 758 R1	BLADE, FRONT CUTTING -FOR 18 IN. BUCKET-	
23	480 804 R1	BLADE, FRONT CUTTING -FOR 18 IN. BELL-HOLE BUCKET-	
23	483 621 R1	BLADE, FRONT CUTTING -FOR 20 IN. BUCKET-	
23	483 627 R1	BLADE, FRONT CUTTING -FOR 22 IN. BUCKET-	
23	468 310 R1	BLADE, FRONT CUTTING -FOR 24 IN. BUCKET-	
23	486 919 R1	BLADE, FRONT CUTTING -FOR 24 IN. HIGH CAPACITY HEAVY DUTY AND HEAVY DUTY BUCKET-	
23	480 805 R1	BLADE, FRONT CUTTING -FOR 24 IN. BELL-HOLE BUCKET-	
23	483 633 R1	BLADE, FRONT CUTTING -FOR 26 IN. BUCKET-	
23	483 639 R1	BLADE, FRONT CUTTING -FOR 28 IN. BUCKET-	
23	472 975 R1	BLADE, FRONT CUTTING -FOR 30 IN. BUCKET-	
23	486 928 R1	BLADE, FRONT CUTTING -FOR 30 IN. HEAVY DUTY BUCKET-	
23	483 651 R1	BLADE, FRONT CUTTING -FOR 32 IN. BUCKET-	
23	483 657 R1	BLADE, FRONT CUTTING -FOR 34 IN. BUCKET-	
23	468 770 R1	BLADE, FRONT CUTTING -FOR 36 IN. BUCKET-	
23	480 590 R1	BLADE, FRONT CUTTING -FOR 36 IN. TRENCHING BUCKET-	
23	486 933 R1	BLADE, FRONT CUTTING -FOR 36 IN. HEAVY DUTY BUCKET-	
24	468 313 R1	BAR, RIGHT SIDE CUTTING -FOR 16, 18, 20, 22, 24, 26, 28, 30, 32, 34 AND 36 IN. BUCKET-	
24	486 922 R1	BAR, RIGHT SIDE CUTTING -FOR 24, 30, AND 36 IN. HEAVY DUTY BUCKET-	
24	490 096 R1	BAR, RIGHT SIDE CUTTING -FOR 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET-	
25	468 312 R1	BAR, LEFT SIDE CUTTING -FOR 16, 18, 20, 22, 24, 26, 28, 30, 32, 34 AND 36 IN. BUCKET-	
25	486 921 R1	BAR, LEFT SIDE CUTTING -FOR 24, 30 AND 36 IN. HEAVY DUTY BUCKET-	
25	490 095 R1	BAR, LEFT SIDE CUTTING -FOR 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET-	
26	486 477 R1	CLAMP, HYDRAULIC TUBE -2-	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		BOOM, BUCKET, DIPPERSTICK, HYDRAULIC -CONTINUED	
		CYLINDERS & CONNECTIONS	
27	547 133 R1	BOSS, NOTCHED -2-	
27	469 633 R1	BOSS, BUCKET PIVOT -2- -13 IN. BUCKET-	
28	544 774 R1	PIN ASSY, REAR BUCKET LINK -2-	
	192 392	PIN, 3/8 X 2-1/2 GROOVE -2-	
29		BUCKET ASSY -SERVICED ONLY AS A MACHINE ATTACHMENT-	
30	545 223 R92	CYLINDER ASSY, 3.5 X 33.7 HYDRAULIC DIPPERSTICK -2400 SERIES A TRACTORS- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYD CYLINDERS-	
30	545 040 R91	CYLINDER ASSY, 4 X 33.7 HYDRAULIC DIPPERSTICK -UTILITY BACKHOE- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYD CYLINDERS-	
	126 152	FITTING, 1/8-27 PTF 45 DEG LUB -HEAD END-	
	109 461	FITTING, 1/8-27 PTF STR LUB -ROD END-	
30	385 616 R93	CYLINDER ASSY, 4 X 33.75 HYDRAULIC DIPPERSTICK -500C CRAWLER TRACTORS- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYD CYLINDERS-	
31	364 885 R1	O-RING, 3/4 X 15/16 X 3/32 -5-	
32	9 410 204	UNION, 7/8-14 C-Z 37 DEG HYD FLARED TUBE SHORT SWIVEL -5-	
33	481 694 R11	TUBE ASSY, LIFT CYLINDER HEAD END -2-	
34	481 693 R11	TUBE ASSY, LIFT CYLINDER ROD END -2-	
35	545 224 R91	CYLINDER ASSY, 3.0 X 27 HYD BUCKET -2400 SERIES A TRACTORS- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYD CYLINDERS-	
	126 152	FITTING, 1/8-27 PTF 45 DEG LUB -HEAD END-	
	109 461	FITTING, 1/8-27 PTF STR LUB -ROD END-	
35	385 609 R94	CYLINDER ASSY, 3-1/2 X 27 HYD BUCKET -500C CRAWLER TRACTORS AND UTILITY BACKHOE- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYD CYLINDERS-	
36	545 227 R1	TUBE ASSY, BUCKET CYLINDER RETURN -2400 SERIES A TRACTORS-	
36	474 284 R11	TUBE ASSY, BUCKET CYLINDER RETURN -500C CRAWLER TRACTORS AND UTILITY BACKHOE-	
37	545 225 R91	CYLINDER ASSY, 3.0 X 18.18 HYDRAULIC RH STABILIZER -2400 SERIES A TRACTORS- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYD CYLINDERS-	
	109 461	FITTING, 1/8-27 PTF STR LUB -2-	
37	385 613 R93	CYLINDER ASSY, 3.5 X 18.19 HYDRAULIC RH STABILIZER -500C CRAWLER TRACTORS AND UTILITY BACKHOE- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYD CYLINDERS-	
38	570 828 R1	O-RING, 1/2 OD TUBE -4-	
39	9 410 203	UNION, 3/4-16 C-Z 37 DEG HYD FLARED TUBE SHORT SWIVEL -4-	

-9- SECTION G
3122 SERIES A BACKHOE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		BOOM, BUCKET, DIPPERSTICK, HYDRAULIC -CONTINUED	
		CYLINDERS & CONNECTIONS	
40	474 285 R11	TUBE ASSY, STABILIZER CYLINDER FRONT -2-	
41	474 286 R11	TUBE ASSY, STABILIZER CYLINDER REAR -2-	
42	545 226 R91	CYLINDER ASSY, 3.0 X 18.18 HYDRAULIC LH STABILIZER -2400 SERIES A TRACTORS- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYD CYLINDERS-	
	109 461	FITTING, 1/8-27 PTF STR LUB -2-	
42	385 612 R93	CYLINDER ASSY, 3.5 X 18.19 HYDRAULIC LH STABILIZER -500C CRAWLER TRACTORS AND UTILITY BACKHOE- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYD CYLINDERS-	
43	547 132 R1	BOSS, BUCKET PIVOT -2-	
43	468 316 R1	BOSS, BUCKET PIVOT -2- -FOR USE W/13 IN. BUCKET-	
44	468 364 R1	BOSS, SHROUD -2-	
45	56 827 C1	ROLLER, TRANSPORT -2- -UTILITY BACKHOE-	
46	548 359 R91	CYLINDER ASSY, 3.5 X 33.7 HYD LIFT -2400 SERIES A TRACTORS- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYD CYLINDERS-	
	126 152	FITTING, 1/8-27 PTF 45 DEG LUB -HEAD END-	
	109 461	FITTING, 1/8-27 PTF STR LUB -ROD END-	
46	385 616 R93	CYLINDER ASSY, 4 X 33.75 HYD LIFT -500C CRAWLER TRACTORS AND UTILITY BACKHOE- -OPTIONAL USE ON 2400 SERIES A TRACTORS W/4 IN. LIFT CYLINDERS- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYD CYLINDERS-	
47	486 476 R1	HOOK, CHAIN TRANSPORT -2-	

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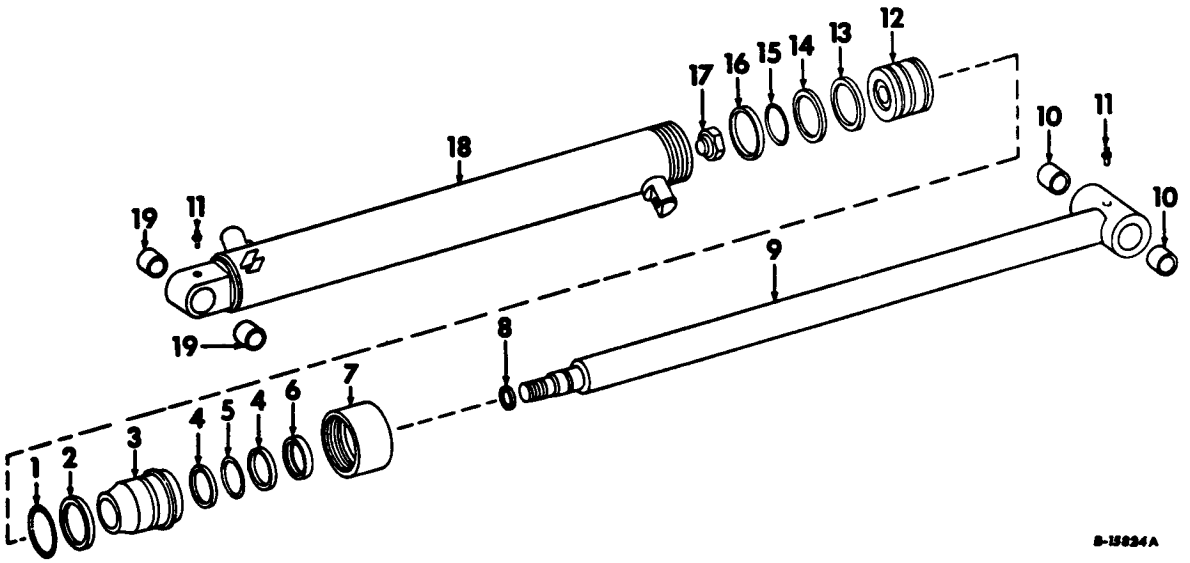
HYDRAULIC CYLINDERS



B-15824A

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	545 226 R91	CYLINDER ASSY, 3.0 X 18.18 HYDRAULIC LH STABILIZER -COMPOSED OF ALL PARTS MARKED UNIT A-	
	545 225 R91	CYLINDER ASSY, 3.0 X 18.18 HYDRAULIC RH STABILIZER -COMPOSED OF ALL PARTS MARKED UNIT B-	
	545 223 R92	CYLINDER ASSY, 3.5 X 33.7 HYDRAULIC DIPPERSTICK -COMPOSED OF ALL PARTS MARKED UNIT C-	
	545 224 R91	CYLINDER ASSY, 3.0 X 27 HYD BUCKET -COMPOSED OF ALL PARTS MARKED UNIT D-	
	385 612 R93	CYLINDER ASSY, 3.5 X 18.19 HYDRAULIC LH STABILIZER -COMPOSED OF ALL PARTS MARKED UNIT E-	
	385 613 R93	CYLINDER ASSY, 3.5 X 18.19 HYDRAULIC RH STABILIZER -COMPOSED OF ALL PARTS MARKED UNIT F-	
	385 609 R94	CYLINDER ASSY, 3-1/2 X 27 HYD BUCKET -COMPOSED OF ALL PARTS MARKED UNIT G-	
	385 616 R93	CYLINDER ASSY, 4 X 33.75 HYDRAULIC DIPPERSTICK AND LIFT -COMPOSED OF ALL PARTS MARKED UNIT H-	
	548 359 R91	CYLINDER ASSY, 3.5 X 33.7 HYD LIFT -COMPOSED OF ALL PARTS MARKED UNIT J-	
	545 040 R91	CYLINDER ASSY, 4 X 33.7 HYDRAULIC DIPPERSTICK -COMPOSED OF ALL PARTS MARKED UNIT K-	

HYDRAULIC CYLINDERS -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	545 034 R91	CYLINDER ASSY, 3.0 X 19.95 HYD TILT -COMPOSED OF ALL PARTS MARKED UNIT L-	
1	3 044 436 R1	O-RING, 2-5/8 X 3 X 3/16 -UNITS A, B AND D-	
1	352 216 R1	O-RING, 3-1/8 X 3-1/2 X 3/16 -UNITS C, E, F, G AND J-	
1	347 801 R1	O-RING, 3-5/8 X 4 X 3/16 -UNITS H AND K-	
1	381 871 R1	O-RING, 2-5/8 X 3 X 3/16 -UNIT L-	
2	387 370 R1	WASHER, FRONT HEAD O-RING BACKUP -UNITS A, B, D AND L-	
2	381 088 R1	WASHER, FRONT HEAD O-RING BACKUP -UNITS C, E, F, G AND J-	
2	381 107 R1	WASHER, FRONT HEAD O-RING BACKUP -UNITS H AND K-	
3	387 394 R1	HEAD, CYLINDER FRONT -UNITS A, B AND D-	
3	389 771 R1	HEAD, CYLINDER FRONT -UNIT C-	
3	381 080 R1	HEAD, CYLINDER FRONT -UNITS E, F, G AND J-	
3	381 106 R1	HEAD, CYLINDER FRONT -UNITS H AND K-	
3	404 993 R1	HEAD, CYLINDER FRONT -UNIT L-	
4	387 399 R2	WASHER, PISTON ROD QUAD RING BACK-UP -2 FOR UNITS A, B, C AND D-	
4	381 083 R2	WASHER, PISTON ROD QUAD RING BACK-UP -2 FOR UNITS E, F, G, H, J AND K-	
4	403 622 R1	WASHER, PISTON ROD QUAD RING BACK-UP -2 FOR UNIT L-	
5	400 745 R1	RING, PISTON ROD QUAD -UNITS A, B, C AND D-	
5	398 978 R1	RING, PISTON ROD QUAD -UNITS E, F, G, H, J AND K-	
5	400 744 R1	RING, PISTON ROD QUAD -UNIT L-	
6	403 844 R1	WIPER, PISTON ROD -UNITS A, B, C AND D-	
6	619 072 C91	WIPER, PISTON ROD -UNITS E, F, G, H, J AND K-	
6	403 460 R1	WIPER, PISTON ROD -UNIT L-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CYLINDERS -CONTINUED	
7	387 375 R1	RING, FRONT HEAD RETAINING -UNITS A, B AND D-	
7	381 089 R1	RING, FRONT HEAD RETAINING -UNITS C, E, F, G AND J-	
7	381 111 R1	RING, FRONT HEAD RETAINING -UNITS H AND K-	
7	381 873 R1	RING, FRONT HEAD RETAINING -UNIT L-	
8	252 483 R1	O-RING, 1-1/4 X 1-1/2 X 1/8 -UNITS E, F AND G-	
8	293 739 R1	O-RING, 1-3/8 X 1-5/8 X 1/8 -UNIT H-	
9	545 817 R11	ROD W/TWO BUSHINGS, 468 280 R1, PISTON -UNITS A AND B-	
9	61 100 C91	ROD W/TWO BUSHINGS, 468 366 R1, PISTON -UNIT C- -ALSO ORDER NUT, 27 137 R1 AND PISTON, 61 102 C1-	
9	545 811 R11	ROD W/TWO BUSHINGS, 468 280 R1, PISTON -UNIT D-	
9	381 097 R31	ROD W/TWO BUSHINGS, 468 280 R1, PISTON -UNITS E AND F-	
9	381 078 R31	ROD W/TWO BUSHINGS, 468 280 R1, PISTON -UNIT G-	
9	384 254 R21	ROD W/TWO BUSHINGS, 468 366 R1, PISTON -UNIT H-	
9	548 360 R11	ROD W/TWO BUSHINGS, 468 366 R1, PISTON -UNIT J-	
9	545 041 R1	ROD W/TWO BUSHINGS, 468 366 R1, PISTON -UNIT K-	
9	545 038 R1	ROD W/TWO BUSHINGS, 479 278 R1, PISTON -UNIT L-	
10	468 280 R1	BUSHING -2 FOR UNITS A, B, D, E, F & G-	
10	468 366 R1	BUSHING -2 FOR UNITS C, H, J AND K-	
10	479 278 R1	BUSHING -2 FOR UNIT L-	
11	109 461	FITTING, 1/8-27 PTF SHORT STR LUB -2 FOR UNITS E AND F, 1 FOR UNITS G AND H-	
11	126 152	FITTING, 1/8-27 PTF 45 DEG ANGLE LUB -1 FOR UNITS G AND H-	
12	545 812 R1	PISTON, HYDRAULIC CYLINDER -UNITS A, B AND D-	
12	61 102 C1	PISTON, HYDRAULIC CYLINDER -UNIT C-	
12	381 084 R3	PISTON, HYDRAULIC CYLINDER -USED WITH CYLINDERS, 385 609 R93, 385 612 R92 AND 385 613 R92- -UNITS E, F AND G-	
12	545 188 R1	PISTON, HYDRAULIC CYLINDER -USED WITH CYLINDERS, 385 609 R94, 385 612 R93 AND 385 613 R93- -UNITS E, F AND G-	
12	384 255 R2	PISTON, HYDRAULIC CYLINDER -UNIT H- -USED W/CYLINDER, 385 616 R92-	
12	533 373 R1	PISTON, HYDRAULIC CYLINDER -UNITS H AND K- -USED W/CYLINDERS, 385 616 R93 AND 545 040 R91-	
12	545 823 R1	PISTON, HYDRAULIC CYLINDER -UNIT J-	
12	404 987 R2	PISTON, HYDRAULIC CYLINDER -UNIT L-	
13	387 374 R1	RING, PISTON BEARING -UNITS A, B, D AND L-	
13	383 005 R1	RING, PISTON BEARING -UNITS C, E, F, G AND J-	
13	383 006 R1	RING, PISTON BEARING -UNITS H AND K-	
14	545 813 R2	SEAL, PISTON OUTER -UNITS A, B AND D-	
14	381 086 R1	SEAL, PISTON OUTER -FOR PISTON, 381 084 R3- -UNITS E, F AND G-	
14	545 189 R2	SEAL, PISTON OUTER -FOR PISTON, 545 188 R1- -UNITS C, E, F, G AND J-	
14	381 110 R1	SEAL, PISTON OUTER -FOR PISTON, 384 255 R2- -UNIT H-	
14	533 374 R2	SEAL, PISTON OUTER -FOR PISTON, 533 373 R1- -UNITS H AND K-	
14	387 373 R1	SEAL, PISTON OUTER -UNIT L-	

-11- SECTION G
3122 SERIES A BACKHOE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CYLINDERS -CONTINUED	
15	25 205 R1	SEAL, PISTON INNER -UNITS A, B AND D-	
15	380 910 R1	SEAL, PISTON INNER -FOR PISTON, 381 084 R3- -UNITS E, F AND G-	
15	545 190 R1	SEAL, PISTON INNER -FOR PISTON, 545 188 R1- -UNITS C, E, F, G AND J-	
15	381 109 R1	SEAL, PISTON INNER -FOR PISTON, 384 255 R2- -UNIT H-	
15	533 375 R1	SEAL, PISTON INNER -FOR PISTON, 533 373 R1- -UNITS H AND K-	
15	383 017 R1	SEAL, PISTON INNER -UNIT L-	
16	387 374 R1	RING, PISTON BEARING -UNITS A, B, D AND L-	
16	383 005 R1	RING, PISTON BEARING -UNITS C, E, F, G AND J-	
16	383 006 R1	RING, PISTON BEARING -UNITS H AND K-	
17	25 126 R1	NUT, 1-1/8-12 PHC HEX. LOCK -UNITS A, B, D, E, F, G AND J-	
17	27 137 R1	NUT, 1-1/4-12 PHC HEX. LOCK -UNIT C-	
17	25 049 R1	NUT, 1-1/2-12 PHC HEX. LOCK -UNITS H AND K-	
17 9	416 471	NUT, 1-14 CDP HEX. LOCK -UNIT L-	
18	545 815 R91	BODY W/TWO BUSHINGS, 468 280 R1, HYDRAULIC CYLINDER -UNIT A-	
18	545 814 R91	BODY W/TWO BUSHINGS, 468 280 R1, HYDRAULIC CYLINDER -UNIT B-	
18	545 818 R91	BODY W/TWO BUSHINGS, 468 366 R1, HYDRAULIC CYLINDER -UNITS C AND J-	
18	545 809 R91	BODY W/TWO BUSHINGS, 468 280 R1, HYDRAULIC CYLINDER -UNIT D-	
18	385 614 R92	BODY W/TWO BUSHINGS, 468 280 R1, HYDRAULIC CYLINDER -UNIT E-	
18	385 615 R92	BODY W/TWO BUSHINGS, 468 280 R1, HYDRAULIC CYLINDER -UNIT F-	
18	385 610 R93	BODY W/TWO BUSHINGS, 468 280 R1, HYDRAULIC CYLINDER -UNIT G-	
18	385 617 R92	BODY W/TWO BUSHINGS, 468 366 R1, HYDRAULIC CYLINDER -UNITS H AND K-	
18	545 035 R1	BODY W/TWO BUSHINGS, 378 478 R1, HYDRAULIC CYLINDER -UNIT L-	
19	468 280 R1	BUSHING -2 FOR UNITS A, B, D, E, F & G-	
19	468 366 R1	BUSHING -2 FOR UNITS C, H, J AND K-	
19	378 478 R1	BUSHING -2 FOR UNIT L-	
	545 830 R92	KIT, HYDRAULIC CYLINDER SERVICE -UNITS A, B AND D- -CONSISTS OF	
		1 O-RING 3 044 436 R1	
		1 QUAD-RING 400 475 R1	
		2 RING 387 374 R1	
		1 SEAL 25 205 R1	
		1 SEAL 545 813 R2	
		2 WASHER 387 399 R2	
		1 WASHER 387 370 R1	
		1 WIPER 403 844 R1-	
	545 829 R92	KIT, HYDRAULIC CYLINDER SERVICE -UNIT C- -CONSISTS OF	
		1 O-RING 352 216 R1	
		1 QUAD-RING 400 475 R1	
		2 RING 383 005 R1	
		1 RING 545 190 R1	
		1 SEAL 545 189 R2	
		1 WASHER 381 088 R1	
		2 WASHER 387 399 R2	
		1 WIPER 403 844 R1-	
	471 267 R95	KIT, HYDRAULIC CYLINDER SERVICE -UNITS E, F AND G- -CONSISTS OF	
		1 O-RING 252 483 R1	
		1 O-RING 352 216 R1	
		1 QUAD-RING 398 978 R1	
		2 RING 383 005 R1	
		1 RING 545 190 R1	
		1 SEAL 381 086 R1	
		1 SEAL 380 910 R1	
		1 SEAL 545 189 R2	
		2 WASHER 381 083 R2	
		1 WASHER 381 088 R1	
		1 WIPER 619 072 C91-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

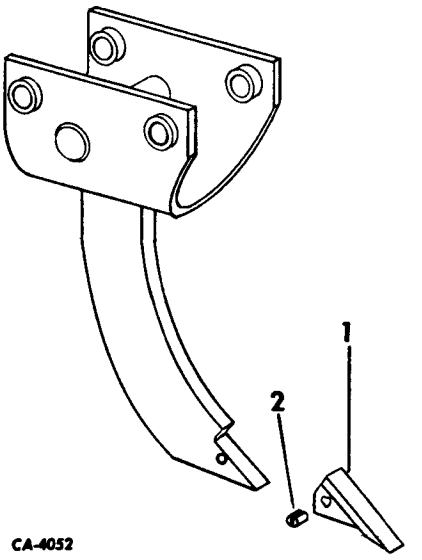
HYDRAULIC CYLINDERS -CONTINUED

471 266 R96	KIT, HYDRAULIC CYLINDER SERVICE		
	-UNIT H-		
	-CONSISTS OF		
	1 O-RING	252 483 R1	
	1 O-RING	293 739 R1	
	1 O-RING	347 801 R1	
	1 O-RING	381 109 R1	
	1 QUAD-RING	398 978 R1	
	2 RING	383 006 R1	
	1 RING	533 375 R1	
	1 SEAL	381 110 R1	
	1 SEAL	533 374 R2	
	2 WASHER	381 083 R2	
	1 WASHER	381 107 R1	
	1 WIPER	619 072 C91-	
545 299 R92	KIT, HYDRAULIC CYLINDER SERVICE		
	-UNIT J-		
	-CONSISTS OF		
	1 O-RING	352 216 R1	
	1 QUAD RING	398 978 R1	
	2 RING	383 005 R1	
	1 RING	545 190 R1	
	1 SEAL	545 189 R2	
	1 WASHER	381 088 R1	
	2 WASHER	381 083 R2	
	1 WIPER	619 072 C91-	
533 624 R92	KIT, HYDRAULIC CYLINDER SERVICE		
	-UNIT K-		
	-CONSISTS OF		
	1 O-RING	347 801 R1	
	1 QUAD-RING	398 978 R1	
	2 RING	383 006 R1	
	1 RING	533 375 R1	
	1 SEAL	533 374 R2	
	1 WASHER	381 107 R1	
	2 WASHER	381 083 R2	
	1 WIPER	619 072 C91-	
406 491 R91	KIT, HYDRAULIC CYLINDER SERVICE		
	-UNIT L-		
	-CONSISTS OF		
	1 O-RING	253 070 R1	
	1 O-RING	381 871 R1	
	1 RING	387 374 R1	
	1 QUAD-RING	400 744 R1	
	1 RING	381 873 R1	
	1 RING	383 017 R1	
	1 SEAL	387 373 R1	
	1 WASHER	387 370 R1	
	2 WASHER	403 622 R1	
	1 WIPER	403 460 R1-	

-12- SECTION G
3122 SERIES A BACKHOE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

FROST BREAKER ATTACHMENT



CA-4052

		FROST BREAKER ASSY -SERVICED ONLY AS A MACHINE ATTACHMENT-	
	23 173 R1	PIN, 1/2 X 2.750 C-Z STD-HD -4-	
1	540 087 R1	TOOTH, POINT -FROST BREAKER-	
2	540 088 R1	FLEX PIN, TOOTH POINT	

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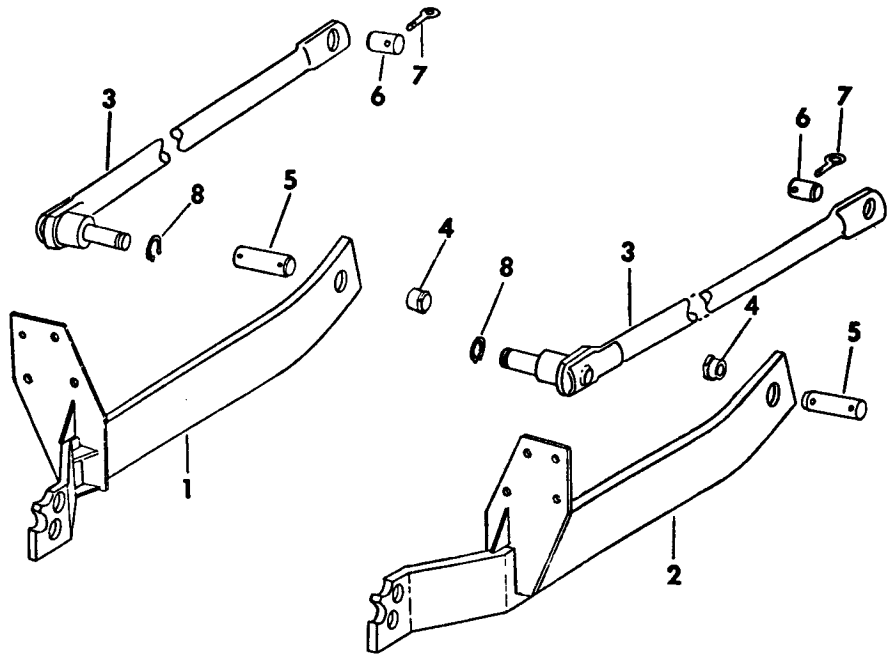
SUBFRAME
-2400 SERIES A TRACTORS-



CA-1888 A

REF. NO.	PART NUMBER	DESCRIPTION
1	546 108 R1	SUBFRAME ASSY, LH
2	546 109 R1	SUBFRAME ASSY, RH
3	546 117 R2	SUPPORT ASSY, MAIN FRAME UPPER -2-
4	469 189 R1	CAM, MOUNTING -2-
5	546 121 R1	PIN, FRONT SUBFRAME MOUNTING -2-
	22 872 R1	WASHER, 1-17/32 X 2-1/2 X 11 GA -4-
	137 303	PIN, 1/4 X 2-1/4 ZND COT. -4-
6	546 122 R1	PIN, MAIN FRAME SUPPORT -2-
7	544 611 R1	ROD EYE, BAR PIN STRAIGHT -2-
	180 021	SCREW, 1/4-20 X 7/8 ZND HEX-HD CAP -2-
	24 958 R1	SCREW, 5/8-11 X 8 ZND HEX-HD CAP TYPE 8 -8-
	124 589	NUT, 5/8-11 ZND HEX. -8-
	121 574	WASHER, 5/8 ZND MED LOCK -8-
8	69 339 R1	RING, RETAINING -2-

3122 SERIES A BACKHOE -13- SECTION G

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

SUBFRAME -CONTINUED
-2400 SERIES A TRACTORS-

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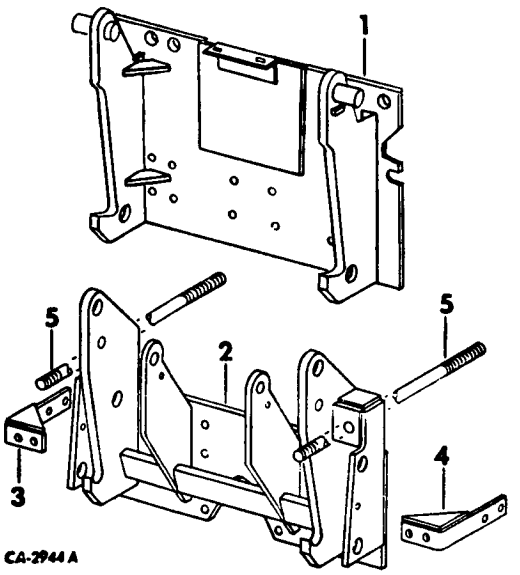
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME
-500C CRAWLER TRACTORS-

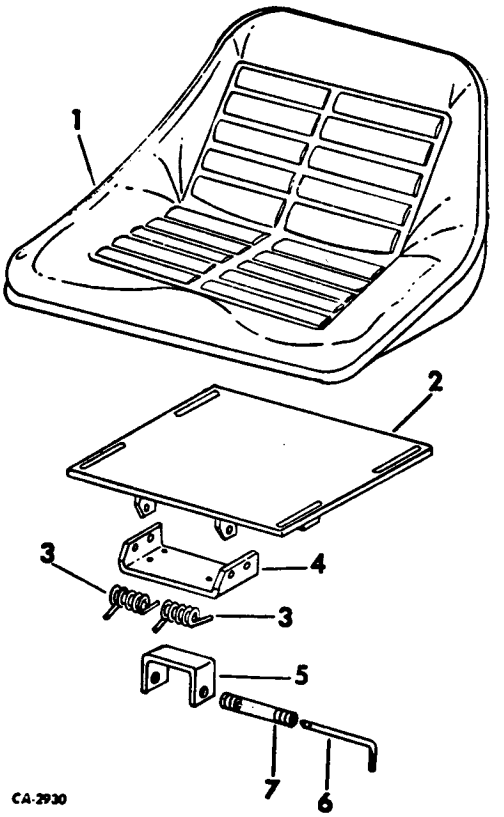


1		NOT USED THIS APPLICATION
2	492 453 R1	BRACKET ASSY, REAR EQUIPMENT MOUNTING
	636 435 R1	STUD, MOUNTING BRACKET -14-
	225 861	NUT, 5/8-18 C-Z HEX. -14-
	271 547	SCREW, 5/8-11 X 1-1/2 HEX-HD CAP -4-
	469 805 R1	SCREW, 5/8-11 X 2 ZND HEX-HD CAP TYPE 4 -4-
	124 589	NUT, 5/8-11 C-Z HEX. -4-
3	492 461 R1	SUPPORT ASSY, LH
4	492 462 R1	SUPPORT ASSY, RH
5	492 435 R1	ROD, TIE -2-
	131 049	WASHER, 1-1/8 C-Z MED LOCK -4-
	220 094	NUT, 1-1/8-7 C-Z HEX. -4-

3122 SERIES A BACKHOE -14- SECTION G

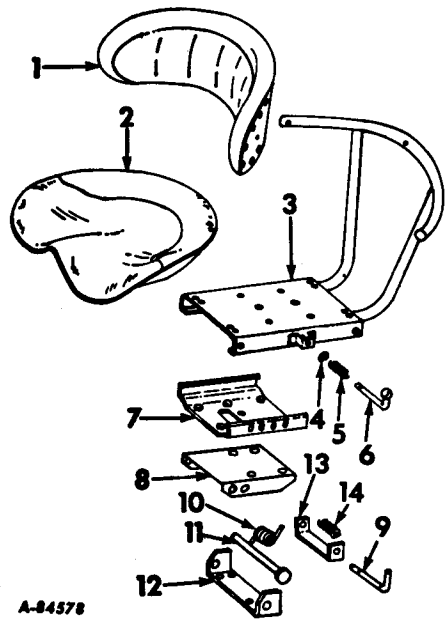
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SEAT AND SEAT SUPPORT
-2400 SERIES A TRACTORS-



1	528 844 R1	SEAT ASSY
	180 078	SCREW, 5/16-18 X 7/8 ZND HEX-HD CAP -4-
	120 393	WASHER, 11/32 X 11/16 X .065 ZND -8-
	120 214	WASHER, 5/16 ZND MED LOCK -4-
2	546 647 R1	SUPPORT ASSY, SEAT
	625 326 R1	PIN, 3/8 X 6 STD-HD
	120 394	WASHER, 13/32 X 13/16 X .051 ZND
	103 384	PIN, 1/8 X 3/4 COT.
3	15 068 EB	SPRING, SEAT TORSION -2-
4	477 567 R1	BRACKET, SEAT
	180 081	SCREW, 5/16-18 X 1-1/4 ZND HEX-HD CAP -4-
	120 214	WASHER, 5/16 ZND MED LOCK -4-
	120 376	NUT, 5/16-18 ZND HEX. -4-
5	484 481 R1	BRACKET, SEAT LOCK
	453 049	SCREW, 1/4-20 X 3/4 ZND SLT-PAN-HD MACH -2-
	120 380	WASHER, 1/4 ZND MED LOCK -2-
	120 375	NUT, 1/4-20 ZND HEX. -2-
6	484 482 R1	ROD, SEAT LATCH HANDLE
	120 394	WASHER, 13/32 X 13/16 X .051 ZND
	103 384	PIN, 1/8 X 3/4 COT.
7	359 109 R2	SPRING

SEAT AND SUPPORT
-500C CRAWLER TRACTORS AND UTILITY
BACKHOE-



REF. NO.	PART NUMBER	DESCRIPTION
	469 119 R91	SEAT ASSY, BACKHOE PREMIER -CONSISTS OF REF. NOS 1 THROUGH 7-
1	469 121 R91	BACKREST ASSY, PREMIER
2	469 122 R91	CUSHION ASSY, PREMIER SEAT
	120 368	NUT, 5/16-24 - C-Z HEX. -4-
	120 214	WASHER, 5/16 LOCK - C-Z -4-
3	469 120 R91	FRAME ASSY, HI-BACK PREMIER
9	413 946	NUT, 1/4 STOVER HEX LOCK - CAD PLTD.
	155 338	SCREW, 1/4 X 1/2 RD HD CROSS RECESS MACH C-Z
	155 358	SCREW, 1/4 X 1 RD HD CROSS RECESS MACH C-Z -3-
4	104 977 R1	RING , SLIDE HANDLE RETAINING
5	469 125 R1	SPRING, SLIDE ADJUSTING PLUNGER
6	469 124 R11	PLUNGER W/KNOB ASSY, SLIDE ADJUSTING
	103 340	WASHER, 11/32 X 11/16 X 16 GA. FLAT
7	469 123 R11	SLIDE ASSY, LOWER
	180 075	SCREW, 5/16-18 X 5/8 C-Z HEX-HD CAP -4-
	120 214	WASHER, 5/16 C-Z MED LOCK -4-
8	540 967 R2	SUPPORT ASSY, SEAT
	180 077	SCREW, 5/16-18 X 3/4 ZND HEX-HD CAP -4-
	138 538	WASHER, 5/16 C-Z INT-TOOTH LOCK -4-
9	484 482 R1	ROD, SEAT LATCH HANDLE
	103 384	PIN, 1/8 X 3/4 COT.
	120 394	WASHER, 13/32 X 13/16 X .051
10	15 068 EB	SPRING, SEAT
11	625 326 R1	PIN, 3/8 X 6 STD-HD
	120 394	WASHER, 13/32 X 13/16 X .051
	103 384	PIN, 1/8 X 3/4 COT.

-15- SECTION G
3122 SERIES A BACKHOE
BKH-1

SEAT AND SUPPORT -CONTINUED
-500C CRAWLER TRACTORS AND UTILITY
BACKHOE-

REF. NO.	PART NUMBER	DESCRIPTION
12	477 567 R1	BRACKET, SEAT
	120 376	NUT, 5/16-18 C-Z HEX. -4-
	180 081	SCREW, 5/16-18 X 1-1/4 C-Z HEX-HD CAP -4-
	120 214	WASHER, 5/16 C-Z MED LOCK -4-
13	484 481 R1	BRACKET, SEAT LATCH
	120 375	NUT, 1/4-20 C-Z HEX -2-
	453 049	SCREW, 1/4-20 X 3/4 PAN-HD SLT -2-
	120 380	WASHER, 1/4 C-Z MED LOCK -2-
14	359 109 R2	SPRING

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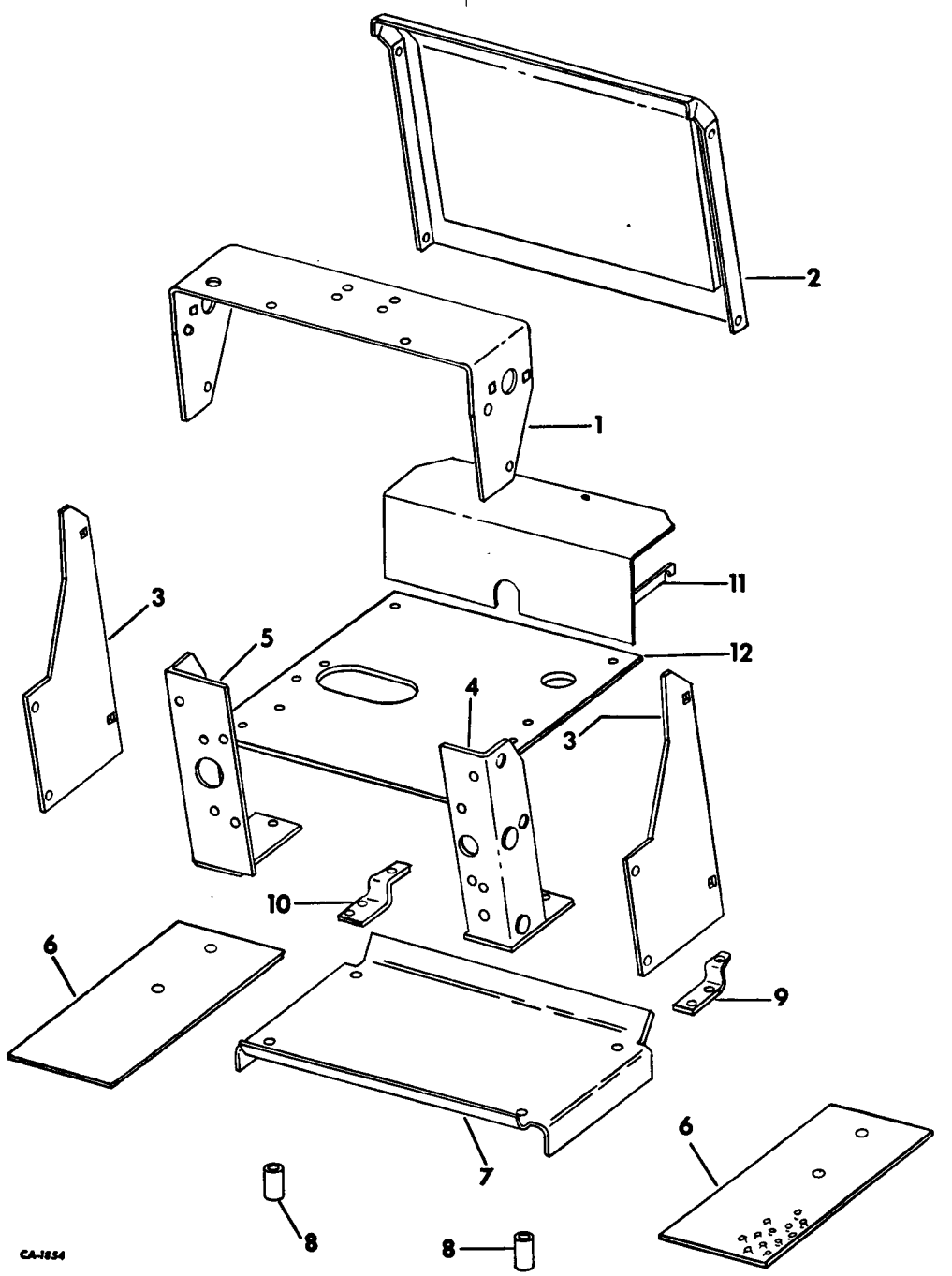
REVISION NO. 18

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

CONSOLE, SEAT SUPPORT AND FLOOR PLATES
-2400 SERIES A TRACTORS-



-16- SECTION G
3122 SERIES A BACKHOE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

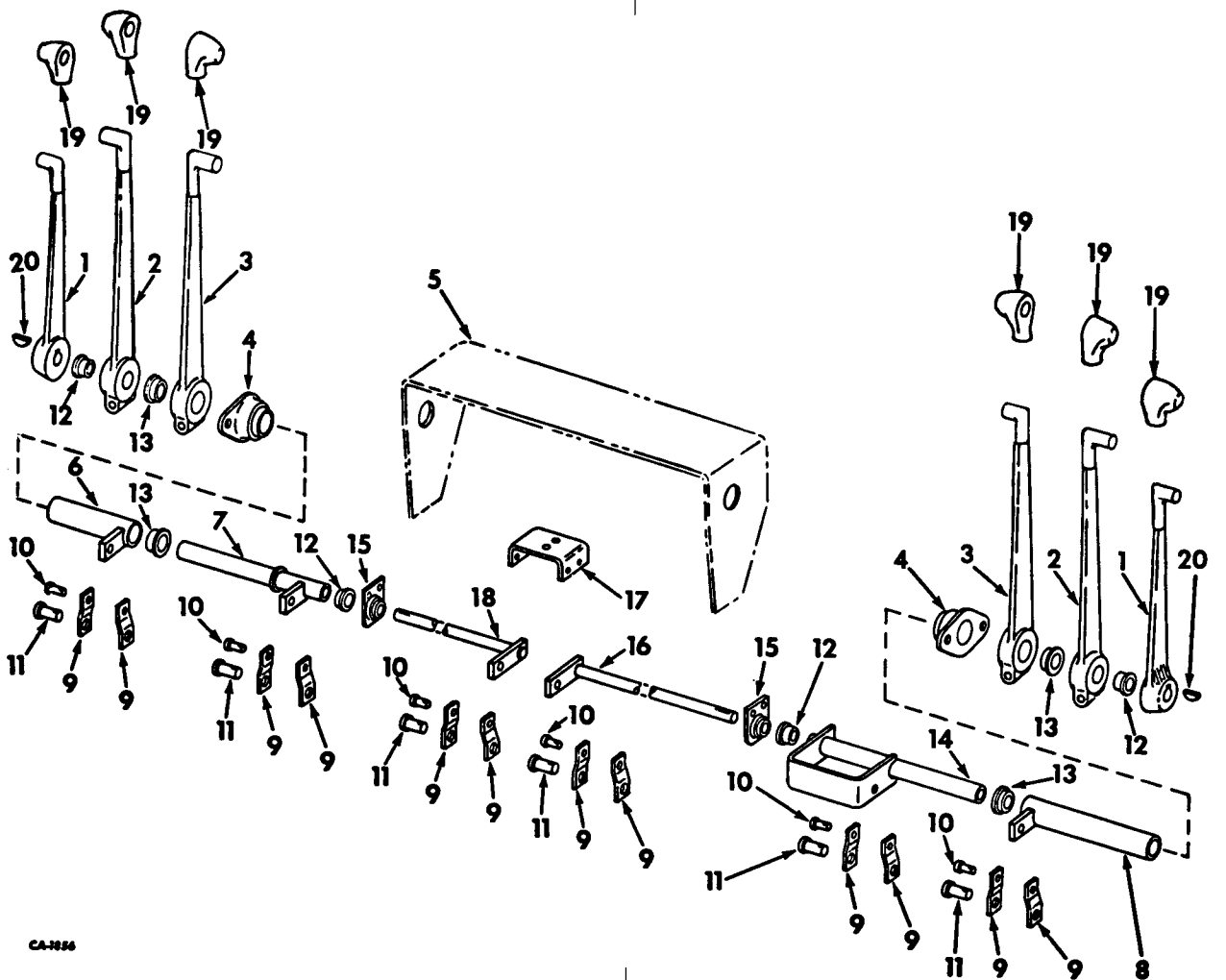
CONSOLE, SEAT SUPPORT AND FLOOR PLATES -CONTINUED
-2400 SERIES A TRACTORS-

PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 18

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		CONSOLE, SEAT SUPPORT AND FLOOR PLATES -CONTINUED	
		-2400 SERIES A TRACTORS-	
1	481 663 R1	SUPPORT, SEAT	
	180 173	SCREW, 1/2-13 X 1 ZND HEX-HD CAP -4-	
	120 384	WASHER, 1/2 ZND MED LOCK -4-	
2	481 686 R1	SHROUD, CONTROL FRT	
3	481 685 R1	SHROUD, CONTROL SIDE -2-	
	180 073	SCREW, 5/16-18 X 1/2 ZND HEX-HD CAP -4-	
	459 063 R1	RETAINER, 5/16 SPEED GRIP NUT -4-	
	180 120	SCREW, 3/8-16 X 3/4 ZND HEX-HD CAP -4-	
	120 382	WASHER, 3/8 ZND MED LOCK -4-	
4	481 658 R93	BRACKET ASSY, VALVE SUPPORT LH	
	180 124	SCREW, 3/8-16 X 1-1/4 ZND HEX-HD CAP	
	120 382	WASHER, 3/8 ZND MED LOCK -2-	
	120 377	NUT, 3/8-16 ZND HEX. -2-	
5	481 659 R93	BRACKET ASSY, VALVE SUPPORT RH	
	180 124	SCREW, 3/8-16 X 1-1/4 ZND HEX-HD CAP -2-	
	120 382	WASHER, 3/8 ZND MED LOCK -2-	
	120 377	NUT, 3/8-16 ZND HEX. -2-	
6	492 598 R1	STRIP, SIDE FLOOR PLATE -2-	
	180 122	SCREW, 3/8-16 X 1 ZND HEX-HD CAP -4-	
	120 382	WASHER, 3/8 ZND MED LOCK -4-	
	120 377	NUT, 3/8-16 ZND HEX. -4-	
7	481 687 R2	COVER, FLOOR	
8	615 860 R1	SPACER, .406 X .875 X 1.781 -2-	
	189 304	SCREW, 3/8-16 X 3-1/4 ZND HEX-HD CAP -2-	
	120 377	NUT, 3/8-16 ZND HEX. -2-	
9	546 306 R1	BRACKET, FLOORPLATE LH	
10	545 765 R1	BRACKET, FLOORPLATE RH	
	180 122	SCREW, 3/8-16 X 1 ZND HEX-HD CAP -6-	
	120 377	NUT, 3/8-16 ZND HEX. -6-	
	120 382	WASHER, 3/8 ZND MED LOCK -6-	
11	547 344 R1	COVER ASSY, CONSOLE REAR	
	172 427	SCREW, 1/4-20 X 1/2 ZND HEX-HD TAP. -2-	
	120 392	WASHER, 9/32 X 5/8 X .065 ZND -2-	
12	546 305 R1	PLATE, CONSOLE SUPPORT	
	180 126	SCREW, 3/8-16 X 1-1/2 ZND HEX-HD CAP -4-	
	120 382	WASHER, 3/8 ZND MED LOCK -4-	
	120 377	NUT, 3/8-16 ZND HEX. -4-	

-17- SECTION G
3122 SERIES A BACKHOE
REF. NO. | PART NUMBER | DESCRIPTION | BKH-1
PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 18

HYDRAULIC CONTROLS
-2400 SERIES A TRACTORS-



REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
1	544 959 R1	HANDLE, STABILIZER CONTROL -2-	
	431 662	SCREW, 3/8-16 X 3/4 C-Z -2- HEX-SOC-HD CUP-PT SET	
2	544 958 R1	HANDLE, CROWD AND SWING CONTROL -2-	
	180 132	SCREW, 3/8-16 X 2-1/4 ZND HEX-HD CAP -2-	
	120 374	NUT, 3/8-16 SQ -2-	
3	544 957 R1	HANDLE, BUCKET & LIFT CONTROL -2-	
	180 132	SCREW, 3/8-16 X 2-1/4 ZND HEX-HD CAP -2-	
	120 374	NUT, 3/8-16 ZND SQ. -2-	
4	608 879 R91	BEARING ASSY -2-	
5		SUPPORT, SEAT -REFER TO CONSOLE, SEAT SUPPORT AND FLOOR PLATES LISTING-	
6	481 670 R91	SHAFT ASSY, LIFT CONTROL	
7	481 675 R91	SHAFT ASSY, CROWD CONTROL	

HYDRAULIC CONTROLS -CONTINUED
-2400 SERIES A TRACTORS-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
8	481 667 R91	SHAFT ASSY, BUCKET CONTROL	
9	481 684 R1	LINK, CONTROL VALVE -12-	
10 B	92 1/2	PIN, 3/8 X 7/8 STD HD -6-	
	12 235 R1	PIN, 1/8 X 5/8 C-Z COT. -6-	
11 Q	1 332	PIN, 1/2 X 1-1/8 STD HD -6-	
	108 632	PIN, 3/16 X 7/8 COT. -6- -2-	
12	307 920 R1	BEARING -4-	
13	477 554 R1	BEARING, CENTER CONTROL -4-	
14	481 672 R92	SHAFT ASSY, SWING CONTROL	
15	481 683 R91	BEARING, SELF-ALIGNING -2-	
	180 020	SCREW, 1/4-20 X 3/4 ZND HEX-HD CAP -4-	
	120 380	WASHER, 1/4 ZND MED LOCK -4-	
	120 375	NUT, 1/4-20 ZND HEX. -4-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONTROLS -CONTINUED	
		-2400 SERIES A TRACTORS-	
16	481 680 R91	SHAFT ASSY, RH STABILIZER CONTROL	
17	481 664 R1	BRACKET, BRG SUPPORT	
	17 351 R1	BOLT, 3/8-16 X 1 ZND SQ-NK CRG -4-	
	120 382	WASHER, 3/8 ZND MED LOCK -4-	
	120 377	NUT, 3/8 ZND HEX. -4-	
18	481 679 R91	SHAFT ASSY, LH STABILIZER CONTROL	
19	379 022 R2	KNOB, HYD VALVE LEVER -6-	
20	106 751	KEY, 3/16 X 3/4 WOODRUFF -2-	

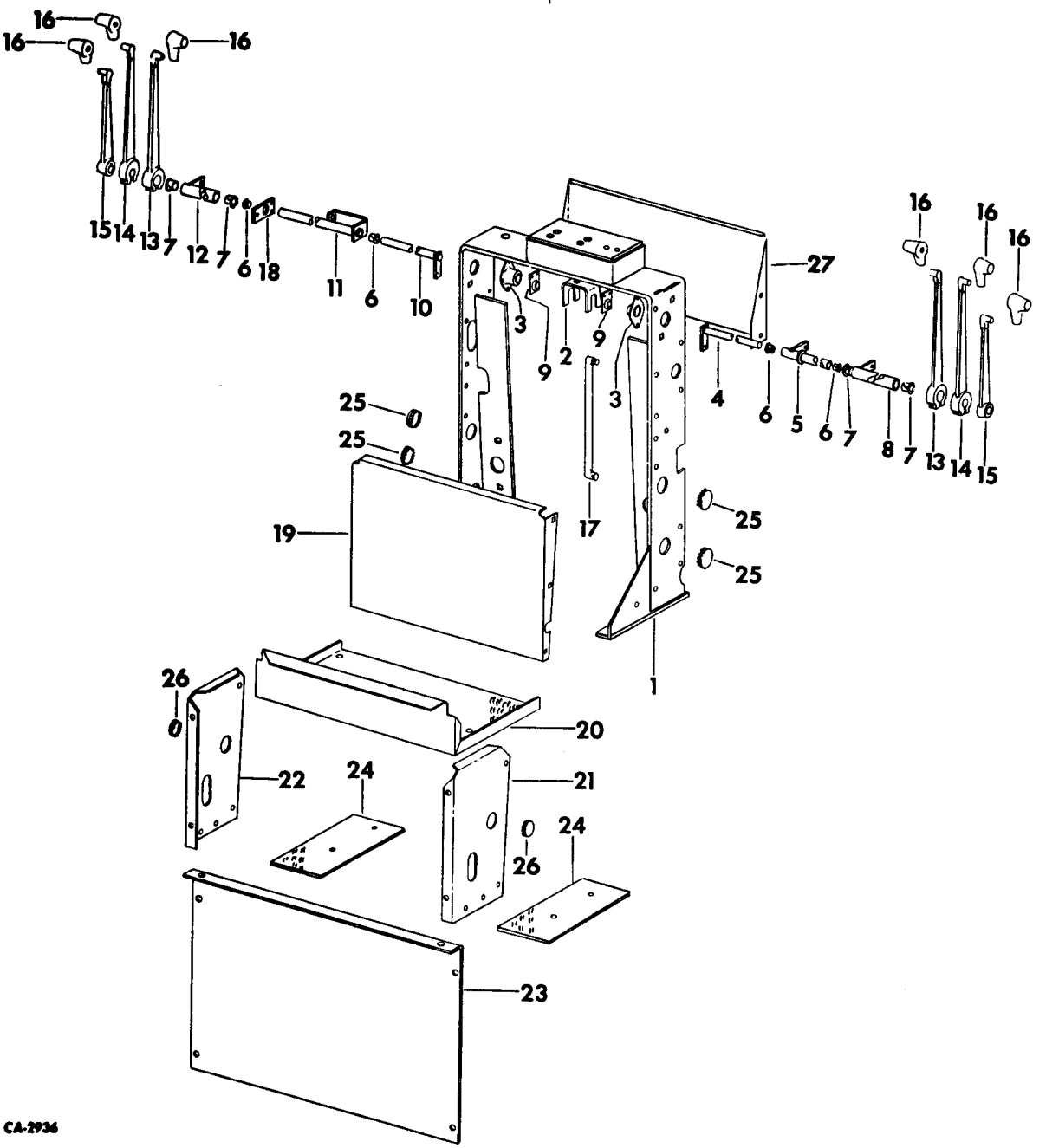
-19- SECTION G
3122 SERIES A BACKHOE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 18

REF. NO.	PART NUMBER	DESCRIPTION	8KH-1

HYDRAULIC CONTROLS AND FLOOR PLATES
-500C CRAWLER TRACTORS-



-20- SECTION G
3122 SERIES A BACKHOE

REF. NO.	PART NUMBER	DESCRIPTION	8KH-1

HYDRAULIC CONTROLS AND FLOOR PLATES -CONTINUED
-500C CRAWLER TRACTORS-

PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 18

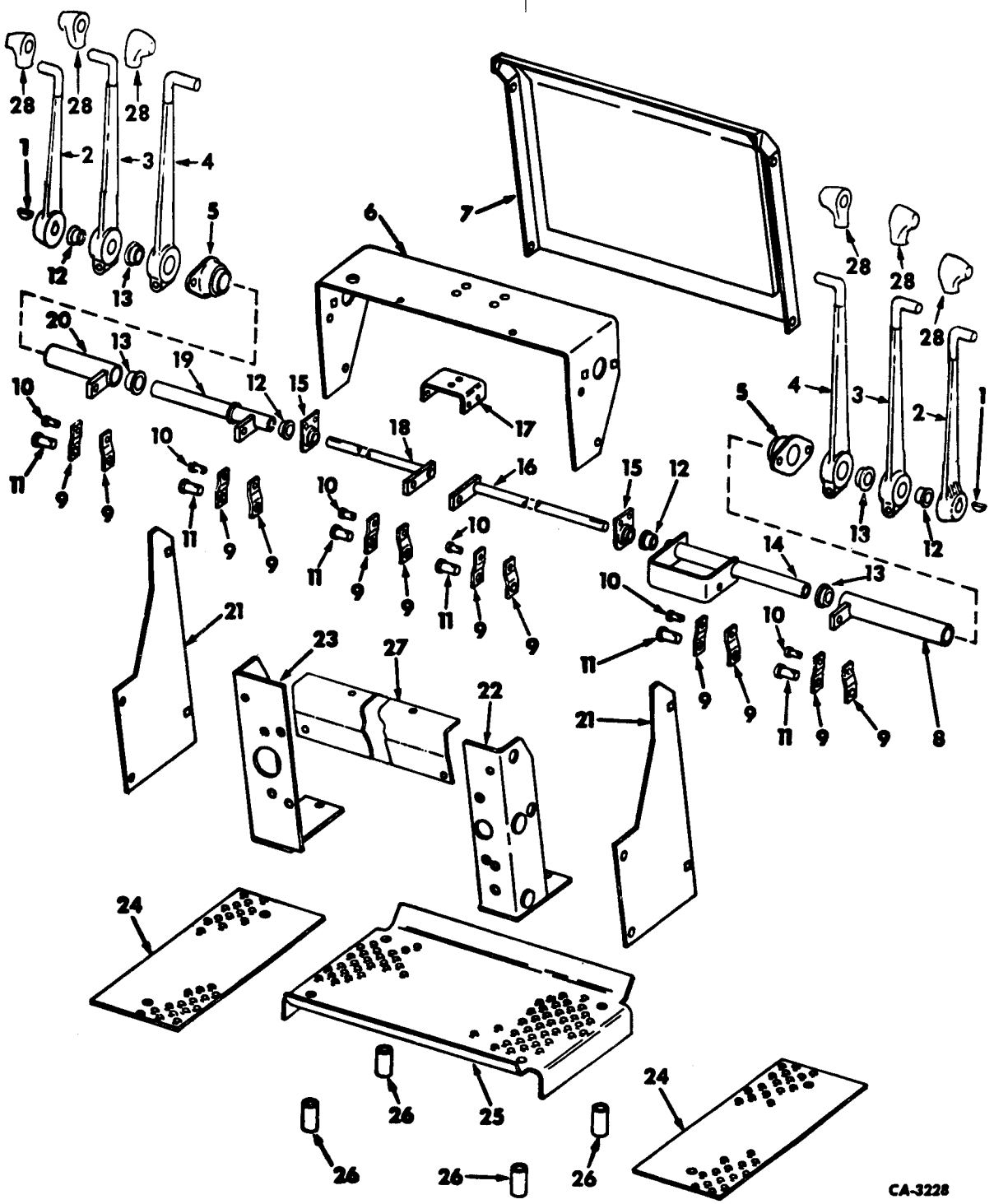
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONTROLS AND FLOOR PLATES -CONTINUED	
		-500C CRAWLER TRACTORS-	
1	492 582 R2	BRACKET ASSY	
	180 124	SCREW, 3/8-16 X 1-1/4 ZND HEX-HD CAP -4-	
	138 542	WASHER, 3/8 C-Z INT TOOTH -4-	
	120 377	NUT, 3/8-16 C-Z HEX. -4-	
2	481 664 R1	BRACKET, BRG SUPPORT	
3	608 879 R91	BEARING ASSY -2-	
	17 351 R1	BOLT, 3/8 X 1 C-Z SQ-NK CRG -4-	
	138 542	WASHER, 3/8 C-Z INT TOOTH LOCK -4-	
	120 377	NUT, 3/8-16 C-Z HEX. -4-	
4	492 589 R1	SHAFT ASSY, STABILIZER CONTROL RH	
5	481 675 R91	SHAFT ASSY, CROWD CONTROL	
6	307 920 R1	BEARING -4-	
7	477 554 R1	BEARING, CENTER CONTROL -4-	
8	481 670 R91	SHAFT ASSY, LIFT CONTROL	
9	481 683 R91	BEARING ASSY, SELF ALIGNING -2-	
	180 020	SCREW, 1/4-20 X 3/4 ZND HEX-HD CAP -4-	
	120 423	WASHER, 1/4 C-Z INT TOOTH LOCK -4-	
	120 375	NUT, 1/4-20 C-Z HEX. -4-	
10	492 588 R1	SHAFT ASSY, STABILIZER CONTROL LH	
11	492 585 R1	SHAFT ASSY, SWING CONTROL	
12	481 667 R91	SHAFT ASSY, BUCKET CONTROL	
13	544 957 R1	HANDLE, BUCKET & BOOM CONTROL -2-	
	180 128	SCREW, 3/8-16 X 1-3/4 ZND HEX-HD CAP -2-	
14	544 958 R1	HANDLE, CROWD & SWING CONTROL -2-	
	180 128	SCREW, 3/8-16 X 1-3/4 ZND HEX-HD CAP -2-	
15	544 959 R1	HANDLE, STABILIZER CONTROL -2-	
	431 662	SCREW, 3/8-16 X 3/4 ZND HEX-SOC-HD CUP-PT SET -2-	
	106 751	KEY, 3/16 X 3/4 WOODRUFF -2-	
16	379 022 R2	KNOB, CONTROL HANDLE -6-	
17	492 590 R1	LINK, CONTROL VALVE -6-	
	103 343	WASHER, 17/32 X 1-1/16X 13 GA -6-	
	103 373	PIN, 3/32 X 3/4 COT. -12-	
	103 341	WASHER, 13/32 X 13/16 X 16 GA -6-	
18	492 587 R1	PLATE, SWING SUPPORT	
	180 079	SCREW, 5/16-18 X 1 ZND HEX-HD CAP -2-	
	138 538	WASHER, 5/16 C-Z INT TOOTH LOCK -2-	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
19	492 597 R2	SHEET, COVER	
	483 360 R91	NUT, CAGE -6-	
20	492 596 R2	SHEET, FLOOR	
	180 120	SCREW, 3/8-16 X 3/4 ZND HEX-HD CAP -6-	
	138 542	WASHER, 3/8 C-Z INT TOOTH LOCK -6-	
	120 377	NUT, 3/8-16 C-Z HEX. -6-	
21	492 591 R1	SHEET ASSY, SIDE LH	
21	543 674 R1	SHEET ASSY, SIDE LH -WITH LEVER OPERATED CHECK VALVE-	
	180 126	SCREW, 3/8-16 X 1-1/4 ZND HEX-HD CAP -3-	
	138 542	WASHER, 3/8 C-Z INT TOOTH LOCK -3-	
	120 377	NUT, 3/8-16 C-Z HEX. -3-	
	180 077	SCREW, 5/16-18 X 3/4 ZND HEX-HD CAP -3-	
	180 075	SCREW, 5/16-18 X 5/8 ZND HEX-HD CAP -6-	
	115 548	WASHER, 5/16 C-Z MED SPRING LOCK -6-	

-21- SECTION G
3122 SERIES A BACKHOE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONTROLS AND FLOOR PLATES -CONTINUED	
		-500C CRAWLER TRACTORS-	
22	492 592 R1	SHEET ASSY, RH	
	180 126	SCREW, 3/8-16 X 1-1/4 ZND HEX-HD CAP -3-	
	138 542	WASHER, 3/8 C-Z INT TOOTH LOCK -3-	
	120 377	NUT, 3/8-16 C-Z HEX. -3-	
	180 077	SCREW, 5/16-18 X 3/4 ZND HEX-HD CAP -3-	
	180 075	SCREW, 5/16-18 X 5/8 ZND HEX-HD CAP -6-	
	115 548	WASHER, 5/16 C-Z MED SPRING LOCK -6-	
23	492 595 R1	SHEET, VALVE COVER	
24	492 598 R1	BAR, SIDE FLOOR PLATE -2-	
	180 120	SCREW, 3/8-16 X 3/4 ZND HEX-HD CAP -4-	
	120 377	NUT, 3/8-16 C-Z HEX. -4-	
25	432 420	PLUG, 1-5/8 BUTTON -4-	
26	432 571	PLUG, 1-7/8 C-Z BUTTON -2-	
27	542 911 R1	SHEET, CONSOLE REAR COVER	
	178 081	PLUG, 1-3/8 BUTTON	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

CONTROL LEVERS AND FLOOR PLATES
-UTILITY BACKHOES-



-22- SECTION G
3122 SERIES A BACKHOE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

CONTROL LEVERS AND FLOOR PLATES -CONTINUED
-UTILITY BACKHOES-

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REVISION NO. 18

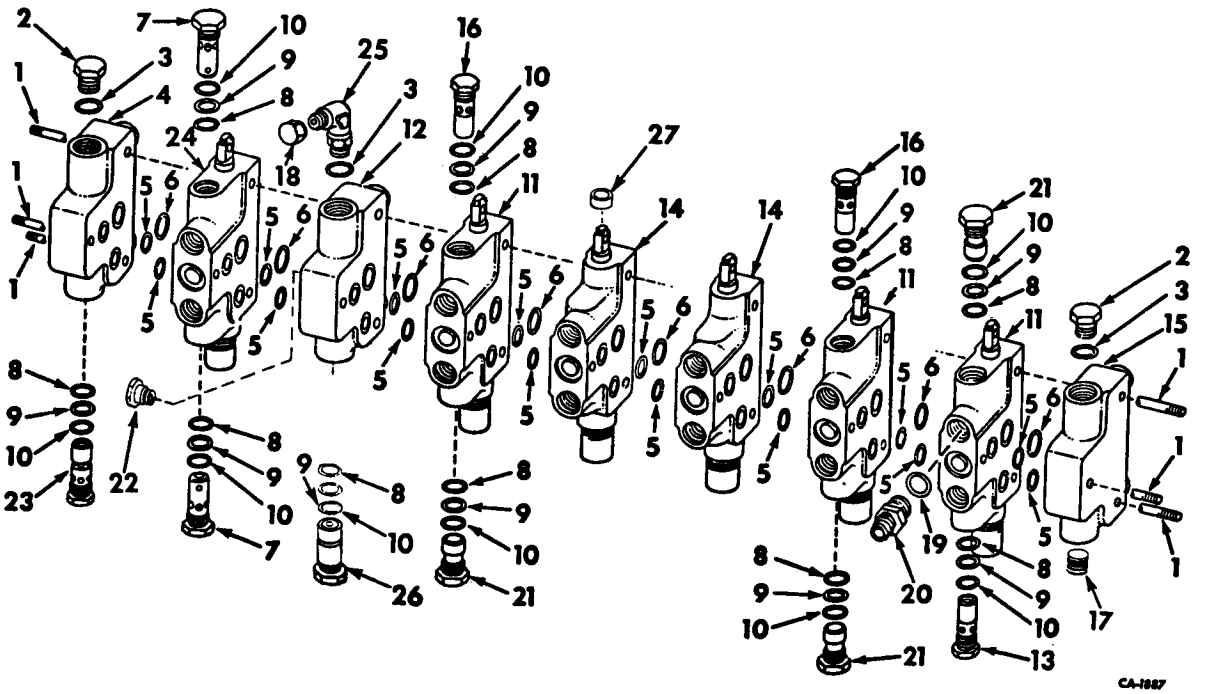
REF. NO.	PART NUMBER	DESCRIPTION
		CONTROL LEVERS AND FLOOR PLATES -CONTINUED -UTILITY BACKHOES-
1	106 751	KEY, 3/16 X 3/4 WOODRUFF -2-
2	544 959 R1	HANDLE, STABILIZER CONTROL -2-
	431 662	SCREW, 3/8-16 X 3/4 C-Z -2- HEX-SOC-HD CUP-PT SET
3	544 958 R1	HANDLE, CROWD AND SWING CONTROL -2-
	180 132	SCREW, 3/8-16 X 2-1/4 ZND HEX-HD CAP -2-
	120 374	NUT, 3/8-16 SQ -2-
4	544 957 R1	HANDLE, BUCKET & LIFT CONTROL -2-
	180 132	SCREW, 3/8-16 X 2-1/4 ZND HEX-HD CAP -2-
	120 374	NUT, 3/8-16 ZND SQ. -2-
5	608 879 R91	BEARING -2-
	17 351 R1	BOLT, 3/8-16 X 1 ZND SQ-NK CRG -4-
	120 382	WASHER, 3/8 ZND MED LOCK -4-
	120 377	NUT, 3/8 ZND HEX. -4-
6	481 663 R1	SUPPORT, SEAT
	180 173	SCREW, 1/2-13 X 1 ZND HEX-HD CAP -4-
	120 384	WASHER, 1/2 ZND MED LOCK -4-
7	484 296 R21	SHIELD ASSY, CONTROL STAND REAR HEAT
8	481 667 R91	SHAFT ASSY, BUCKET CONTROL
9	481 684 R1	LINK, CONTROL VALVE -12-
10 B	92 1/2	PIN, 3/8 X 7/8 STD-HD -6-
	12 235 R1	PIN, 1/8 X 5/8 C-Z COT. -6-
11 Q	1 332	PIN, 1/2 X 1-1/8 STD-HD -6-
	108 632	PIN, 3/16 X 7/8 COT. -6-
12	307 920 R1	BEARING -4-
13	477 554 R1	BEARING, CENTER CONTROL -4-
14	481 672 R92	SHAFT ASSY, SWING CONTROL
15	481 683 R91	BEARING, SELF-ALIGNING -2-
	180 020	SCREW, 1/4-20 X 3/4 ZND HEX-HD CAP -4-
	120 380	WASHER, 1/4 ZND MED LOCK -4-
	120 375	NUT, 1/4-20 ZND HEX. -4-
16	481 680 R91	SHAFT ASSY, RH STABILIZER CONTROL
17	481 664 R1	BRACKET, BRG SUPPORT
18	481 679 R91	SHAFT ASSY, LH STABILIZER CONTROL
19	481 675 R91	SHAFT ASSY, CROWD CONTROL
20	481 670 R91	SHAFT ASSY, LIFT CONTROL
21	481 685 R1	SHROUD, CONTROL SIDE -2-
	180 073	SCREW, 5/16-18 X 1/2 ZND HEX-HD CAP -4-
	459 063 R1	RETAINER, 5/16 SPEED GRIP NUT -4-
	180 120	SCREW, 3/8-16 X 3/4 ZND HEX-HD CAP -4-
	120 382	WASHER, 3/8 ZND MED LOCK -4-
22	481 658 R93	BRACKET ASSY, VALVE SUPPORT LH
	180 124	SCREW, 3/8-16 X 1-1/4 ZND HEX-HD CAP -2-
	120 382	WASHER, 3/8 ZND MED LOCK -2-
	120 377	NUT, 3/8-16 ZND HEX. -2-
23	481 659 R93	BRACKET ASSY, VALVE SUPPORT RH
	180 124	SCREW, 3/8-16 X 1-1/4 ZND HEX-HD CAP -2-
	120 382	WASHER, 3/8 ZND MED LOCK -2-
	120 377	NUT, 3/8-16 ZND HEX. -2-
24	481 691 R1	STRIP, SIDE FLOOR PLATE -2-
	18 494 R1	SCREW, 3/8-16 X 1 ZND HEX-HD CAP -4-
	172 427	SCREW, 1/4-20 X 1/2 ZND HEX-HD TAP. -4-
25	481 687 R2	COVER, FLOOR

REF. NO.	PART NUMBER	DESCRIPTION
		CONTROL LEVERS AND FLOOR PLATES -CONTINUED -UTILITY BACKHOES-
26	615 860 R1	SPACER, .406 X .875 X 1.781 -4-
	189 304	SCREW, 3/8-16 X 3-1/4 ZND HEX-HD CAP -4-
	120 377	NUT, 3/8-16 ZND HEX. -4-
27	481 686 R11	SHIELD ASSY, HEAT
	180 137	SCREW, 3/8-16 X 2-3/4 ZND HEX-HD CAP -4-
	120 382	WASHER, 3/8 ZND REG LOCK -4-
28	379 022 R2	KNOB, HYD VALVE LEVER -6-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC VALVE BANK
-2400 SERIES A TRACTORS-

HYDRAULIC VALVE BANK -CONTINUED
-2400 SERIES A TRACTORS-



REF. NO.	PART NUMBER	DESCRIPTION
1	392 971 R1	ROD, TIE -3-
	102 635	NUT, 3/8-16 HEX. -6-
	527 476 R1	WASHER, 3/8 LOCK -6-
2	9 410 362	PLUG, 1-3/16 C-Z STR THD O-RING BOSS -OUTLET VALVE COVER - LARGE- -2-
3	297 459 R1	O-RING, 1-3/64 X 1-9/32 X 7/64 -3-
4	392 968 R2	COVER, LEFT SIDE END
5	381 884 R1	O-RING, 1 X 1-3/16 X 3/32 -16- -VALVE OUTLET COVER-
6	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32 -8- -VALVE OUTLET COVER-
7	387 229 R91	VALVE ASSY, ANTI-CAVITATION -2-
8	383 219 R1	O-RING, 15/16 X 1-1/8 X 3/32 -10- -PILOT OPERATED RELIEF VALVE-
9	378 985 R2	WASHER, PILOT OPERATED RELIEF VALVE BACKUP -10-
10	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32 -10- -PILOT OPERATED RELIEF VALVE-
11	394 705 R95	VALVE ASSY, HYD OPEN CENTER CONTROL -3- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-
12	546 106 R1	COVER, CENTER
13	382 479 R91	VALVE ASSY, CUSHION RELIEF -2500 P.S.I. -FOR TRACTORS W/3-1/2 IN. LIFT CYLINDERS-
13	382 928 R91	VALVE ASSY, CUSHION RELIEF -2000 P.S.I. -TRACTORS W/4 IN. LIFT CYLINDERS-
14	383 271 R95	VALVE ASSY, HYD OPEN CENTER CONTROL -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-
15	546 105 R1	COVER, RIGHT SIDE END OUTLET
16	547 243 R91	VALVE ASSY, CUSHION RELIEF -2750 P.S.I. -2-
17	444 709	PLUG, 3/4-14 AUTO. HEX-SOC-HD PIPE
18	9 403 375	CAP, 1-3/16-12 37 DEG HYD FLARED TUBE
19	364 885 R1	O-RING, 3/4 X 15/16 X 3/32
20	397 699 R1	UNION ASSY, ORIFICE
21	378 899 R1	PLUG, RELIEF VALVE CHAMBER -3-
22	383 440 R91	VALVE ASSY, CHECK
23	388 208 R93	VALVE ASSY, PILOT OPERATED RELIEF -2000 P.S.I.- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF PILOT RELIEF VALVE-

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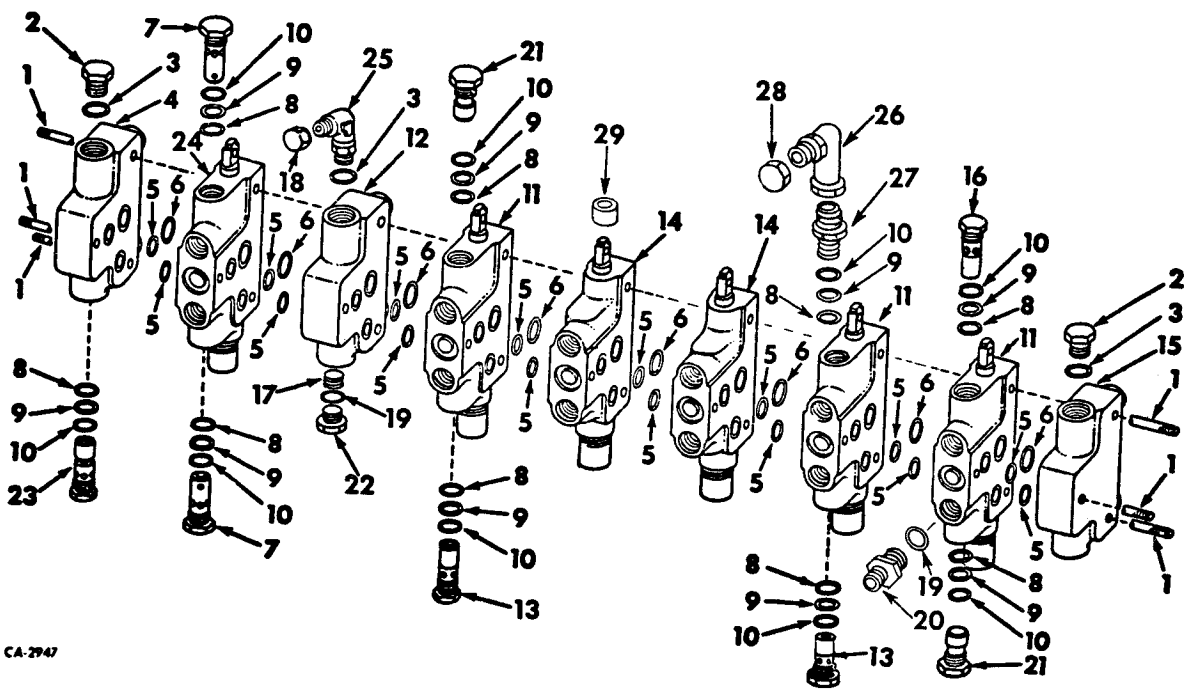
REF. NO.	PART NUMBER	DESCRIPTION
		HYDRAULIC VALVE BANK -CONTINUED -2400 SERIES A TRACTORS-
24	383 270 R94	VALVE ASSY, HYD OPEN CENTER CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-
25	9 410 980	ELBOW, 1-3/16-12 C-Z 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG
26	543 976 R91	VALVE ASSY, PILOT RELIEF -2500 P.S.I.- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF PILOT RELIEF VALVE-
27	543 201 R1	SEAL, VALVE SPOOL DUST -6-
	20 703 R1	WASHER, 29/32 X 1-3/4 X 16 GA C-Z -6-

-25- SECTION G
3122 SERIES A BACKHOE
BKH-1
PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 21

BKH-1

HYDRAULIC VALVE BANK
-500C CRAWLER TRACTORS-



REF. NO.	PART NUMBER	DESCRIPTION
1	392 971 R1	ROD, TIE -3-
	102 635	NUT, 3/8-16 HEX. -6-
	527 476 R1	WASHER -6-
2	9 410 362	PLUG, 1-3/16 C-Z STR-THD O-RING BOSS OUTLET VALVE COVER - LARGE -2-
3	297 459 R1	O-RING, 1-3/64 X 1-9/32 X 7/64 -3-
4	392 968 R2	COVER, LEFT SIDE END
5	381 884 R1	O-RING, 1 X 1-3/16 X 3/32 -16-
6	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32 -9-
7	387 229 R91	VALVE ASSY, ANTI-CAVITATION -2-
8	383 219 R1	O-RING, 15/16 X 1-1/8 X 3/32 -9-
9	378 985 R2	WASHER, PILOT OPERATED RELIEF VALVE BACKUP -9-
10	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32 -9-
11	394 705 R95	VALVE ASSY, HYD OPEN CENTER CONTROL -3- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-
12	392 969 R2	COVER, CENTER
13	382 479 R91	VALVE ASSY, CUSHION RELIEF- 2500 P.S.I. -2-
14	383 271 R95	VALVE ASSY, HYD OPEN CENTER CONTROL -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-
15	392 970 R1	COVER, RIGHT SIDE END
16	382 928 R91	VALVE ASSY, CUSHION RELIEF -2000 P.S.I.
17	444 697	PLUG, 3/8-18 AUTO. HEX-SOC-HD PIPE

3122 SERIES A BACKHOE -26- SECTION G

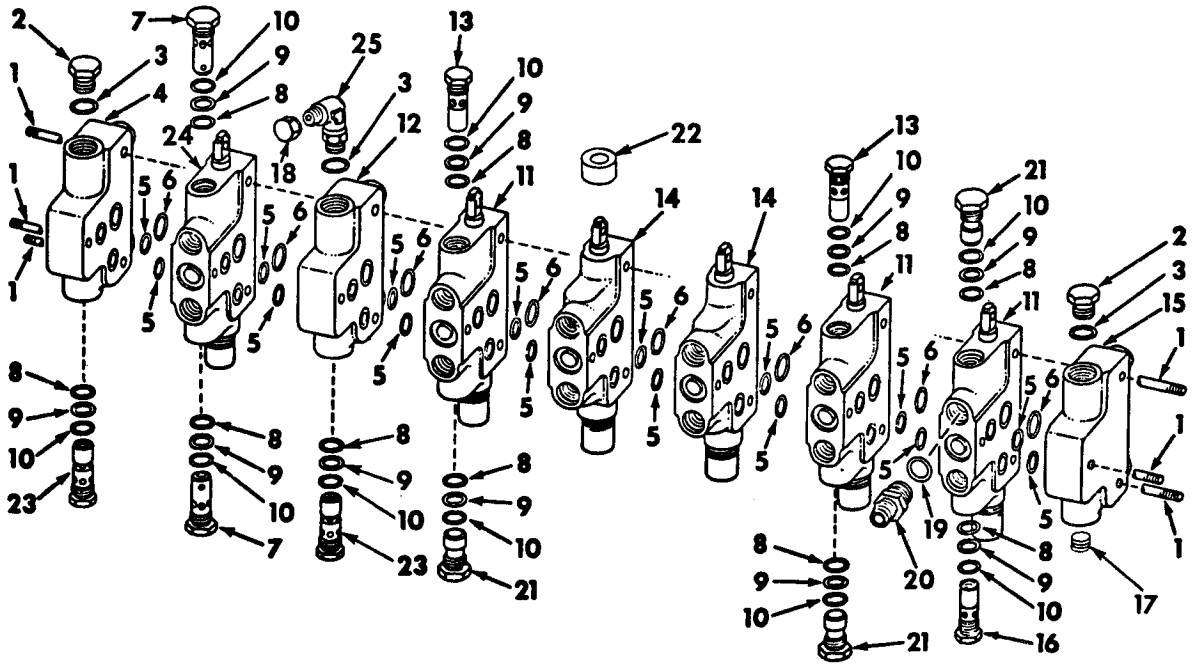
BKH-1

HYDRAULIC VALVE BANK -CONTINUED
-500C CRAWLER TRACTORS-

REF. NO.	PART NUMBER	DESCRIPTION
18	9 403 375	CAP, 1-3/16-12 37 DEG HYD FLARED TUBE
19	364 885 R1	O-RING, 3/4 X 15/16 X 3/32
20	397 699 R1	UNION ASSY, ORIFICE
21	378 899 R1	PLUG, RELIEF VALVE CHAMBER -2-
22	9 410 360	PLUG, 7/8-14 C-Z STR-THD O-RING BOSS
23	388 208 R93	VALVE ASSY, PILOT OPERATED RELIEF -2000 P.S.I.- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF PILOT RELIEF VALVE-
24	383 270 R94	VALVE ASSY, HYD OPEN CENTER CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-
25	9 410 980	ELBOW, 1-3/16-12 C-Z 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG
26	9 410 285	ELBOW, 1-5/16-12 37 DEG FLARED TUBE 90 DEG SWIVEL
27	543 691 R1	PLUG, W/OPEN PORT
28	9 403 376	CAP, 1-5/16-12 ZND 37 DEG HYD FLARED TUBE
29	543 201 R1	SEAL, VALVE SPOOL DUST -6-
	20 703 R1	WASHER, 29/32 X 1-3/4 X 16 GA ZND -6

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC VALVE BANK
-UTILITY BACKHOES-



1	392 971 R1	ROD, TIE -3-	
	102 635	NUT, 3/8-16 HEX. -6-	
	527 476 R1	WASHER, 3/8 LOCK -6-	
2	9 410 362	PLUG, 1-3/16 C-Z STR THD O-RING BOSS -OUTLET VALVE COVER - LARGE- -2-	
3	297 459 R1	O-RING, 1-3/64 X 1-9/32 X 7/64 -3-	
4	392 968 R2	COVER, LEFT SIDE END	
5	381 884 R1	O-RING, 1 X 1-3/16 X 3/32 -16- -VALVE OUTLET COVER-	
6	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32 -8- -VALVE OUTLET COVER-	
7	387 229 R91	VALVE ASSY, ANTI-CAVITATION -2-	
8	383 219 R1	O-RING, 15/16 X 1-1/8 X 3/32 -10- -PILOT OPERATED RELIEF VALVE-	
9	378 985 R2	WASHER, PILOT OPERATED RELIEF VALVE BACKUP -10-	
10	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32 -10- -PILOT OPERATED RELIEF VALVE-	
11	394 705 R95	VALVE ASSY, HYD OPEN CENTER CONTROL -3- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-	
12	395 006 R2	COVER, CENTER	
13	382 479 R91	VALVE ASSY, CUSHION RELIEF -2500 P.S.I. -2-	

-27- SECTION G
3122 SERIES A BACKHOE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

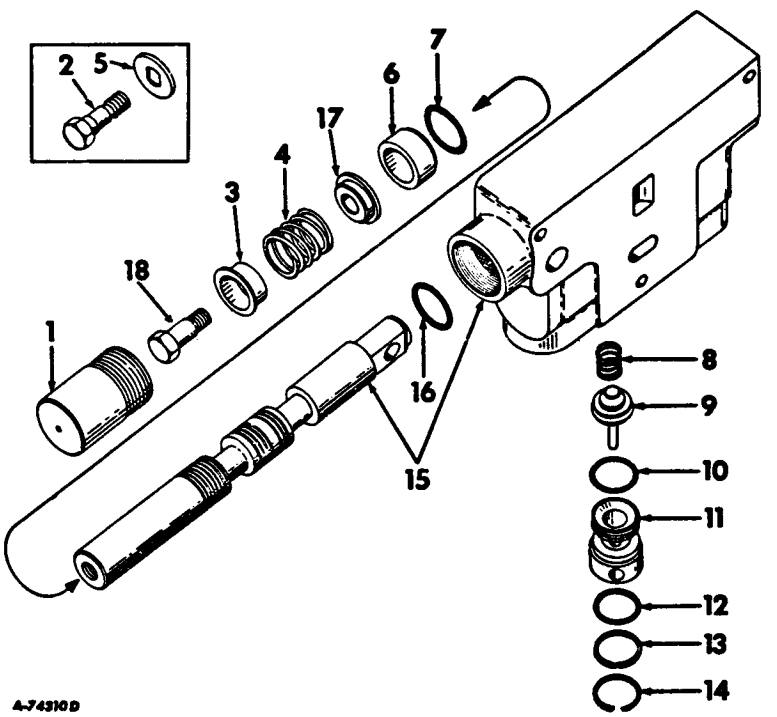
HYDRAULIC VALVE BANK -CONTINUED
-UTILITY BACKHOES-

14	383 271 R95	VALVE ASSY, HYD OPEN CENTER CONTROL -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-	
15	392 970 R1	COVER, RIGHT SIDE END	
16	382 928 R91	VALVE ASSY, CUSHION RELIEF -2000 P.S.I.	
17		NOT USED THIS APPLICATION	
18	9 403 375	CAP, 1-3/16-12 37 DEG HYD FLARED TUBE	
19	364 885 R1	O-RING, 3/4 X 15/16 X 3/32	
20	397 699 R1	UNION ASSY, ORIFICE	
21	378 899 R1	PLUG, RELIEF VALVE CHAMBER -3-	
22	543 201 R1	SEAL, VALVE SPOOL DUST -6-	
	20 703 R1	WASHER, 29/32 X 1-3/4 X 16 GA ZND -6-	
23	388 208 R93	VALVE ASSY, PILOT OPERATED RELIEF -2000 P.S.I.- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF PILOT RELIEF VALVE-	
24	383 270 R94	VALVE ASSY, HYD OPEN CENTER CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-	
25	9 410 980	ELBOW, 1-3/16-12 C-Z 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG	

3122 SERIES A BACKHOE -28- SECTION G

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

HYDRAULIC CONTROL VALVES -THREE POSITION SPRING CENTERED-



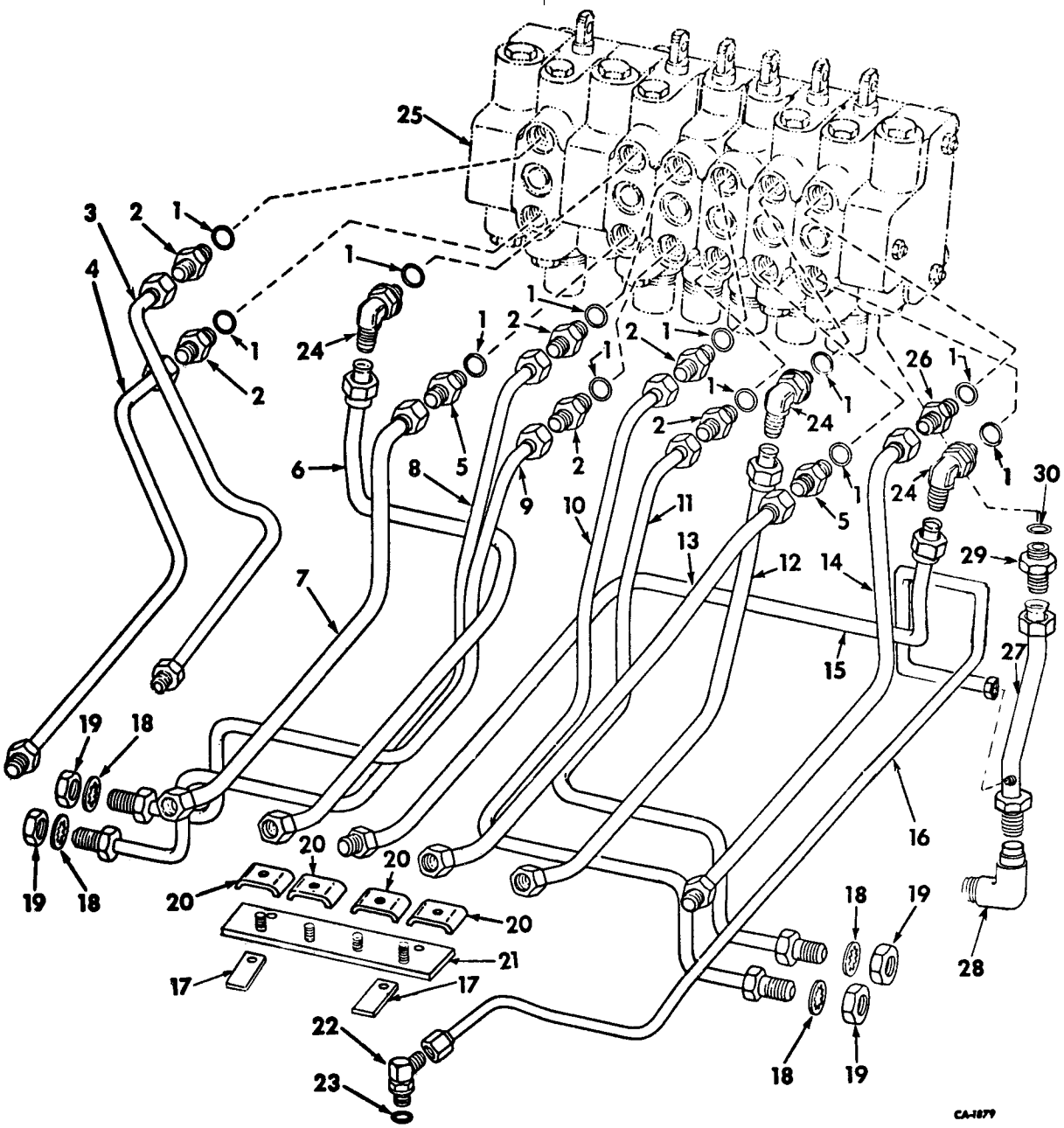
	383 270 R94	VALVE ASSY, HYDRAULIC CONTROL	
	383 271 R95	VALVE ASSY, HYDRAULIC CONTROL	
	394 705 R95	VALVE ASSY, HYDRAULIC CONTROL	
1	395 782 R2	CAP, CENTERING SPRING	
2		NOT USED IN THIS APPLICATION	
3	376 423 R1	RETAINER, CENTERING SPRING	
4	384 381 R1	SPRING, CENTERING	
5		NOT USED IN THIS APPLICATION	
6	395 781 R3	RETAINER, VALVE SPOOL O-RING	
7	528 249 R1	O-RING, 7/8 X 1-1/16 X 3/32 -CONTROL VALVE SPOOL LOWER-	
8	395 278 R1	SPRING, CHECK POPPET	
9	395 277 R1	POPPET, W/SEAL CHECK	
10	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32 -CHECK BALL RETAINER INNER-	
11	383 280 R1	RETAINER, CHECK BALL	
12	362 796 R1	O-RING, 15/16 X 1-1/8 X 3/32 -CHECK BALL RETAINER OUTER-	
13	376 433 R1	WASHER, VALVE BODY PLUG O-RING BACK-UP	
14	537 603 R1	RING, CHECK BALL RETAINER SNAP	

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

HYDRAULIC CONTROL VALVES -CONTINUED -THREE POSITION SPRING CENTERED-

15		BODY ASSY, CONTROL VALVE -NOT SERVICED SEPARATELY, ORDER VALVE ASSY-	
16	406 181 R1	O-RING, 7/8 X 1-1/8 X 1/8 -CONTROL VALVE SPOOL UPPER	
17	406 825 R1	RETAINER, CENTERING SPRING	
18	395 950 R1	SCREW, CENTERING SPRING	
	383 548 R92	PACKAGE, OPEN CENTER CONTROL VALVE CONSISTS OF-	
		1 O-RING	406 181 R1
		1 O-RING	528 249 R1
		1 O-RING	359 158 R1
		1 O-RING	$377 805 R1
		1 O-RING	362 796 R1
		1 O-RING	364 879 R1
		1 PISTON, UNLATCHING	396 582 R1
		1 POPPET ASSY	395 277 R1
		1 RETAINER	382 852 R1
		1 RETAINER	383 280 R1
		1 RING, SNAP	537 603 R1
		1 SPRING	395 278 R1
		1 WASHER	376 433 R1
	548 787 R91	PACKAGE, CONTROL VALVE LOWER SEAL -CONSISTS OF	
		1 O-RING	528 249 R1
		1 RETAINER	395 781 R3
		1 CAP	395 782 R2-

HYDRAULIC TUBING AND CONNECTIONS
-2400 SERIES A TRACTORS-



REF. NO.	PART NUMBER	DESCRIPTION
1	364 885 R1	O-RING, 5/8 TUBE -12-
2	481 352 R1	UNION, 7/8-14 TO 3/4-16 C-Z HYD FLARED SHORT SWIVEL REDUCER -6-
3	481 647 R21	TUBE, TOP PORT SWING CYL
4	481 648 R21	TUBE, BOTTOM PORT SWING CYL
5	9 410 204	UNION, 7/8-14 37 DEG C-Z HYD FLARED -2-
6	486 020 R2	TUBE, TOP PORT BUCKET CYL

-29- SECTION G
3122 SERIES A BACKHOE
BKH-1
HYDRAULIC TUBING AND CONNECTIONS -CONTINUED
-2400 SERIES A TRACTORS-
PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 18

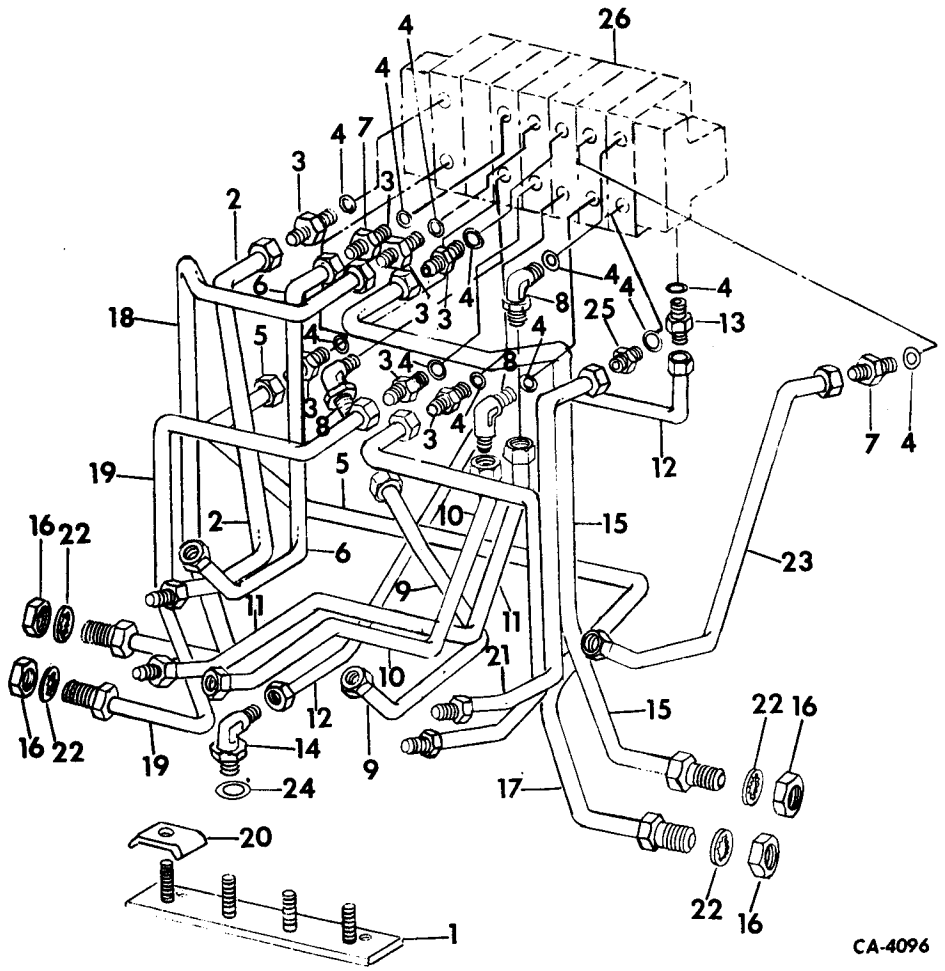
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC TUBING AND CONNECTIONS -CONTINUED -2400 SERIES A TRACTORS-	
7	481 642 R21	TUBE, BOTTOM PORT BUCKET CYL	
8	481 652 R21	TUBE, TOP PORT RH STABILIZER	
9	481 655 R21	TUBE, BOTTOM PORT RH STABILIZER	
10	481 649 R21	TUBE, TOP PORT LH STABILIZER	
11	481 651 R21	TUBE, BOTTOM PORT LH STABILIZER	
12	486 021 R2	TUBE, TOP PORT DIPPERSTICK CYL	
13	481 646 R21	TUBE, BOTTOM PORT DIPPERSTICK CYL	
14	481 643 R21	TUBE, TOP PORT BOOM CYL	
15	486 019 R2	TUBE, BOTTOM PORT BOOM CYL	
16	546 236 R1	TUBE ASSY, SWING MECHANISM DRAIN	
17	545 766 R1	SPACER, HYD LINE CLAMP -2-	
18	138 561	WASHER, 3/4 C-Z INT-TOOTH LOCK -4-	
19	9 403 294	NUT, 3/4-16 C-Z BULKHEAD UNION LOCK -4-	
20	486 004 R1	CLAMP, TUBE -4-	
	180 128	SCREW, 3/8-16 X 1-3/4 ZND HEX-HD CAP -2-	
	120 382	WASHER, 3/8 ZND MED LOCK -6-	
	120 377	NUT, 3/8-16 ZND HEX. -6-	
21	492 612 R1	STRAP ASSY, HYD LINE CLAMP	
22	9 410 976	ELBOW, 9/16-18 37 DEG C-Z HYD FLARED TUBE ADJUSTABLE STR-THD 90 DEG	
23	364 839 R1	O-RING, 3/8 TUBE -3-	
24	9 410 978	ELBOW, 7/8-14 37 DEG C-Z HYD FLARED TUBE ADJUSTABLE STR-THD 90 DEG -3-	
25		VALVE BANK, HYDRAULIC CONTROL -REFER TO HYDRAULIC CONTROL VALVE BANK LISTING-	
26		UNION ASSY, ORIFICE -REFER TO HYDRAULIC CONTROL VALVE BANK LISTING-	
27	547 342 R1	TUBE ASSY, BACKHOE RETURN	
28	9 410 285	ELBOW, 37 DEG HYD FLARED TUBE	
29	9 410 207	UNION, 1-5/16-12 37 DEG FLARED TUBE SHORT SWIVEL	
30	296 247 R1	O-RING, 1 OD TUBE	

3122 SERIES A BACKHOE -30- SECTION G

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 21

HYDRAULIC TUBES AND CONNECTIONS
-500C CRAWLER TRACTORS-



REF. NO.	PART NUMBER	DESCRIPTION
1	492 612 R1	STRAP ASSY, HYD LINE CLAMP
	180 128 ✓	SCREW, 3/8-16 X 1-3/4 ZND HEX-HD CAP -2-
	120 382	WASHER, 3/8 C-Z MED LOCK -2-
	120 377	NUT, 3/8-16 C-Z HEX. -2-
2	492 606 R1	TUBE ASSY, TOP PORT SWING CYLINDER
3	481 352 R1	CONNECTOR, 5/8-1/2 REDUCER -6-
4	364 885 R1	O-RING, 5/8 OD TUBE -13-
5	492 605 R1	TUBE ASSY, BOTTOM PORT SWING CYLINDER
6	492 600 R1	TUBE ASSY, TOP PORT BUCKET CYLINDER
7	9 410 204	UNION, 7/8-14 C-Z 37 DEG HYD FLARED TUBE SHORT SWIVEL -2-

-31- SECTION G
3122 SERIES A BACKHOE
BKH-1

HYDRAULIC TUBES AND CONNECTIONS -CONTINUED
-500C CRAWLER TRACTORS-

REF. NO.	PART NUMBER	DESCRIPTION
8	9 410 978	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG -3-
9	492 599 R1	TUBE ASSY, BOTTOM PORT BUCKET CYLINDER
10	492 604 R1	TUBE ASSY, BOTTOM PORT CROWD CYLINDER
11	492 602 R1	TUBE ASSY, TOP PORT LIFT CYLINDER
12	492 611 R1	TUBE ASSY, RETURN TO SWING
13	935 433 R1	UNION, 3/8 TO 5/8 TUBE BOSS
14	9 410 976	ELBOW, 9/16-18 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG
15	492 610 R1	TUBE ASSY, TOP PORT STABILIZER LH

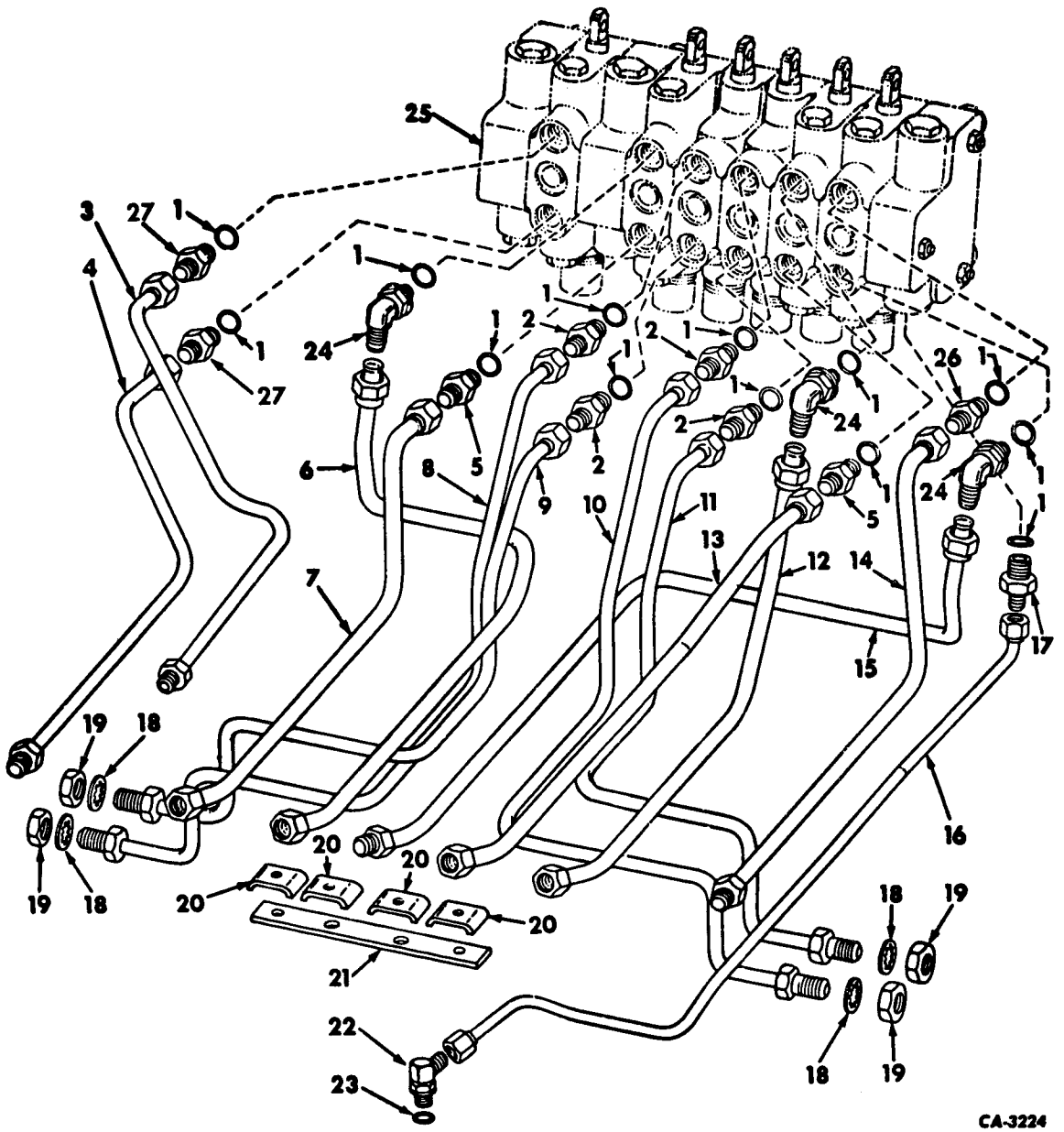
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC TUBES AND CONNECTIONS -CONTINUED -500C CRAWLER TRACTORS-	
16	9 403 294	NUT, 3/4-16 BULKHEAD LOCK -4-	
17	492 609 R1	TUBE ASSY, BOTTOM PORT STABILIZER LH	
18	492 608 R1	TUBE ASSY, TOP PORT STABILIZER RH	
19	492 607 R1	TUBE ASSY, BOTTOM PORT STABILIZER RH	
20	486 004 R1	CHANNEL, TUBE CLAMP -4-	
	120 382	WASHER, 3/8 C-Z MED LOCK -4-	
	120 377	NUT, 3/8-16 C-Z HEX. -4-	
21	492 601 R1	TUBE ASSY, BOTTOM PORT LIFT CYLINDER	
22	138 561	WASHER, 3/4 C-Z INT-TOOTH LOCK -4-	
23	492 603 R1	TUBE ASSY, TOP PORT CROWD CYLINDER	
24	364 839 R1	O-RING, 3/8 TUBE	
25		UNION ASSY, ORIFICE -REFER TO HYDRAULIC VALVE BANK FOR DETAILS-	
26		VALVE BANK, HYDRAULIC CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC VALVE BANK-	

3122 SERIES A BACKHOE -32- SECTION G

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 21

HYDRAULIC VALVE BANK TUBES AND CONNECTIONS
-UTILITY BACKHOES-



REF. NO.	PART NUMBER	DESCRIPTION
1	364 885 R1	O-RING, 5/8 TUBE -13-
2	481 352 R1	UNION, 7/8-14 TO 3/4-16 C-Z HYD FLARED SHORT SWIVEL REDUCER -4-
3	481 647 R21	TUBE, TOP PORT SWING CYL
4	481 648 R21	TUBE, BOTTOM PORT SWING CYL
5	9 410 204	UNION, 7/8-14 37 DEG C-Z HYD FLARED TUBE SHORT SWIVEL -2-
6	486 020 R2	TUBE, TOP PORT BUCKET CYL

-33- SECTION G
3122 SERIES A BACKHOE
BKH-1

HYDRAULIC VALVE BANK TUBES AND CONNECTIONS -CONTINUED
-UTILITY BACKHOES-

PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 18

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC VALVE BANK TUBES AND CONNECTIONS -CONTINUED -UTILITY BACKHOES-	
7	481 642 R21	TUBE, BOTTOM PORT BUCKET CYL	
8	481 652 R21	TUBE, TOP PORT RH STABILIZER	
9	481 655 R21	TUBE, BOTTOM PORT RH STABILIZER	
10	481 649 R21	TUBE, TOP PORT LH STABILIZER	
11	481 651 R21	TUBE, BOTTOM PORT LH STABILIZER	
12	486 021 R2	TUBE, TOP PORT DIPPERSTICK CYL	
13	481 646 R21	TUBE, BOTTOM PORT DIPPERSTICK CYL	
14	481 643 R21	TUBE, TOP PORT BOOM CYL	
15	486 019 R2	TUBE, BOTTOM PORT BOOM CYL	
16	481 657 R11	TUBE ASSY, SWING MECHANISM DRAIN	
17	935 433 R1	UNION, 3/8 TO 5/8 TUBE BOSS	
18	138 561	WASHER, 3/4 C-Z INT TOOTH LOCK -4-	
19	9 403 294	NUT, 3/4-16 C-Z BULKHEAD UNION LOCK -4-	
20	486 004 R1	CLAMP, TUBE -4-	
	180 128	SCREW, 3/8-16 X 1-3/4 ZND HEX-HD CAP -2-	
	120 382	WASHER, 3/8 ZND MED LOCK -4-	
	120 377	NUT, 3/8-16 ZND HEX. -4-	
21	481 690 R2	STRIP, HYD LINE CUSHIONING	
	180 128	SCREW, 3/8-16 X 1-3/4 ZND HEX-HD CAP -2-	
22	9 410 976	ELBOW, 9/16-18 37 DEG C-Z HYD FLARED TUBE ADJUSTABLE STR-THD 90 DEG	
23	364 839 R1	O-RING, 3/8 TUBE	
24	9 410 978	ELBOW, 7/8-14 37 DEG C-Z HYD FLARED TUBE ADJUSTABLE STR-THD 90 DEG -3-	
25		VALVE BANK, HYDRAULIC CONTROL -REFER TO HYDRAULIC CONTROL VALVE BANK LISTING-	
26		UNION ASSY, ORIFICE -REFER TO HYDRAULIC CONTROL VALVE BANK LISTING-	
27	57 202 C1	UNION ASSY, ORIFICE -2-	

3122 SERIES A BACKHOE -34- SECTION G

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

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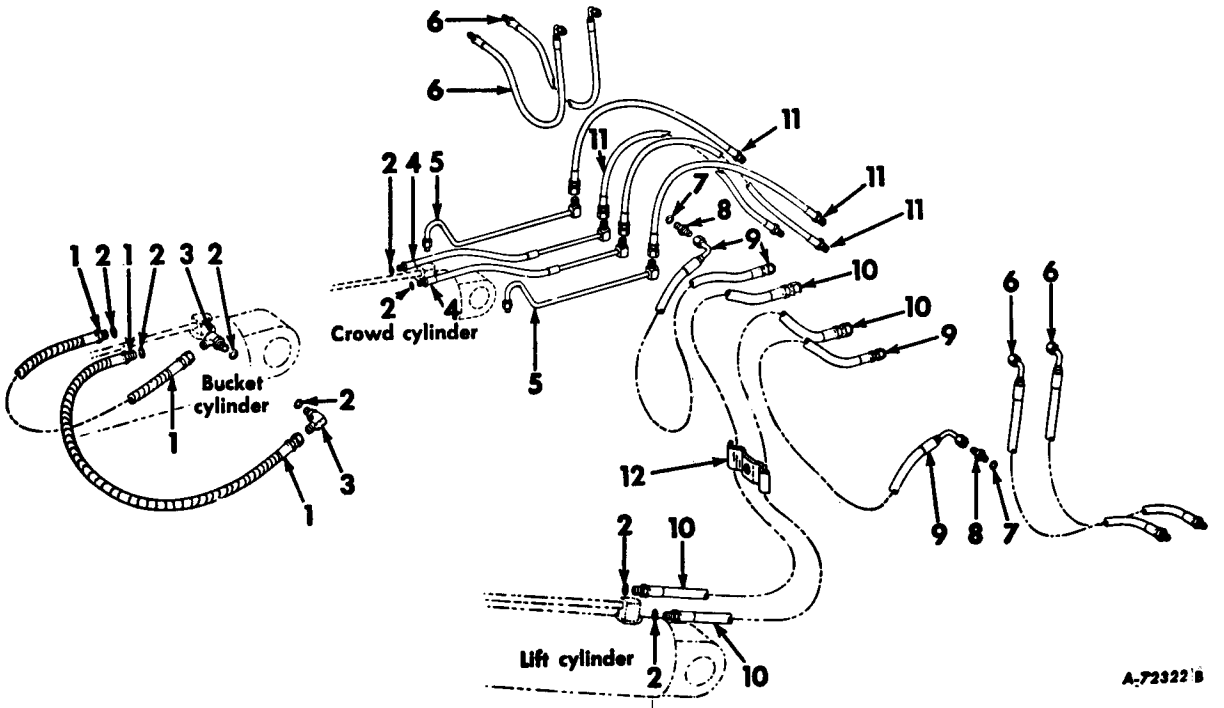
HYDRAULIC CONNECTIONS -BASIC-



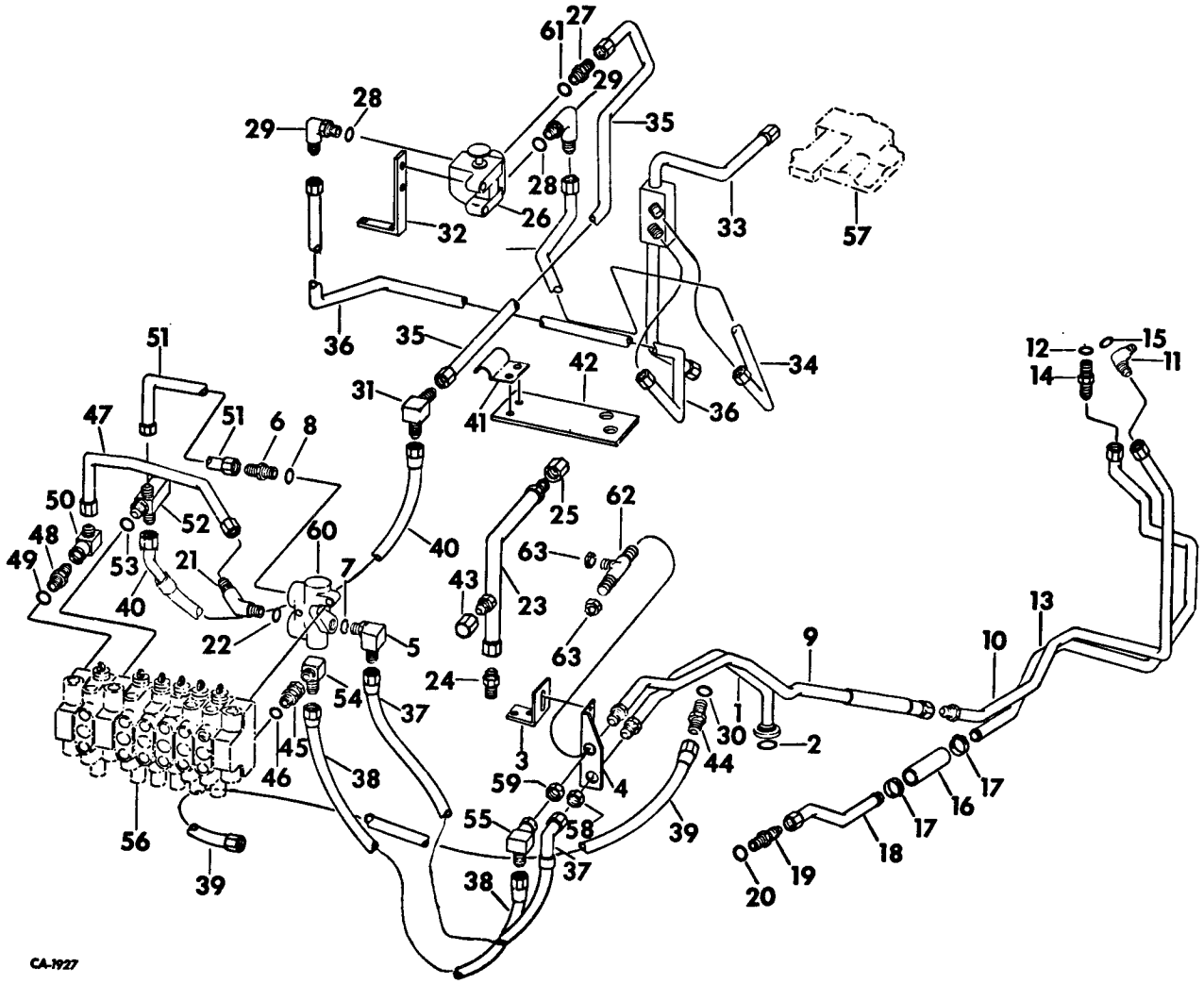
REF. NO.	PART NUMBER	DESCRIPTION
1	545 972 R1	HOSE ASSY, BOOM TO BUCKET - 38 IN. -2- -2400 SERIES A TRACTORS AND 500C CRAWLER TRACTORS-
1	870 252 R91	HOSE ASSY, BOOM TO BUCKET -38 IN.- -2- -UTILITY BACKHOE-
2	364 885 R1	O-RING, 5/8 TUBE -8-
3	9 410 978	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE -2-
4	481 697 R91	HOSE ASSY, CROWD CYL 35 IN. -2-
5	481 699 R11	TUBE ASSY, BOOM TO HOSE -2-
6	470 256 R91	HOSE ASSY, BULKHEAD TO STABILIZER -4-
7	364 839 R1	O-RING, 3/8 TUBE -2-
8	382 449 R1	UNION, 3/4-16 TO 9/16-18 HYD FLARED SHORT SWIVEL REDUCER -2-
9	545 353 R1	HOSE, BULKHEAD TO SWING 32 IN. -2- -2400 SERIES A TRACTORS-
9	481 700 R93	HOSE, BULKHEAD TO SWING 32 IN. -2- -500C CRAWLER TRACTORS AND UTILITY BACKHOE-
10	481 698 R93	HOSE ASSY, PIPE TO LIFT CYL 51 IN. -2-
11	481 641 R91	HOSE, PIPE TO BOOM - 41.5 IN. -4-
12	469 998 R1	CLAMP, HYD HOSE
	120 378	NUT, 1/2-13 C-Z HEX.
	120 238	NUT, 1/2-13 C-Z HEX. JAM

-35- SECTION G
3122 SERIES A BACKHOE
BKH-1

HYDRAULIC CONNECTIONS -BASIC- -CONTINUED

PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 18

HYDRAULIC POWER SUPPLY
-2400 SERIES A TRACTORS W/ CAST REAR FRAME COVERS-



REF. NO.	PART NUMBER	DESCRIPTION
1	547 347 R1	TUBE ASSY, PUMP TO BACKHOE
2	343 906 R1	O-RING, 1-5/16 X 1-9/16 X 1/8
3	547 348 R1	BRACKET, BULKHEAD SUPPORT
4	547 349 R1	BULKHEAD, PUMP-POWER BEYOND
	181 566	SCREW, 1/4-28 X 3/4 ZND HEX-HD CAP -2-
	120 392	WASHER, 9/32 X 5/8 X 18 GA C-Z -2-
	120 380	WASHER, 1/4 ZND MED LOCK -2-
	120 367	NUT, 1/4-28 ZND HEX. -2-
5	545 773 R1	ELBOW, 37 DEG FLARED TUBE ADJ STR-THD 90 DEG
6	9 410 204	UNION, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL -2-
7	368 269 R1	O-RING, 3/4 OD TUBE
8	364 885 R1	O-RING, 5/8 OD TUBE -2-
9	547 351 R1	TUBE ASSY, BACKHOE TO LOADER POWER
10	547 352 R2	TUBE ASSY, LOADER POWER BEYOND
11	9 411 108	ELBOW, 1-3/16-12 37 DEG HYD FLARED TUBE ADJ STR-THD 45 DEG
12	297 459 R1	O-RING, 7/8 OD TUBE
13	544 493 R1	TUBE ASSY, RETURN
14	9 410 207	UNION, 1-5/16-12 37 DEG HYD FLARED TUBE SHORT SWIVEL
15	296 247 R1	O-RING, 1 OD TUBE
16	544 494 R1	HOSE, RETURN LINE

-36- SECTION G
3122 SERIES A BACKHOE
BKH-1
HYDRAULIC POWER SUPPLY -CONTINUED
-2400 SERIES A TRACTORS W/ CAST REAR FRAME COVERS-
PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 18

REF. NO.	PART NUMBER	DESCRIPTION
		HYDRAULIC POWER SUPPLY -CONTINUED -2400 SERIES A TRACTORS W/ CAST REAR FRAME COVERS-
17	279 024 R91	CLAMP, HOSE -2-
18	544 495 R1	TUBE ASSY, RETURN
19	574 018 R1	UNION, 3/4-1 37 DEG HYD FLARED TUBE SHORT SWIVEL
20	368 269 R1	O-RING, 3/4 OD TUBE
21	9 411 106	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE ADJ STR-THD 45 DEG
22	364 885 R1	O-RING, 5/8 OD TUBE
23	547 353 R1	TUBE ASSY, HYD FILLER
24	547 354 R1	ADAPTER, NPTF-37 DEG FLARED STR
25	9 403 376	CAP, 1-5/16-12 37 DEG HYD FLARED TUBE
26	389 251 R92	VALVE ASSY, SELECTOR -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIVERTER VALVE-
27	9 410 204	CONNECTOR, 7/8-14 37 DEG FLARED TUBE
28	364 885 R1	O-RING, 5/8 OD TUBE -3-
29	9 410 978	ELBOW, 7/8-14 37 DEG FLARED TUBE ADJ STR-THD 90 DEG
30	296 247 R1	O-RING, 1 IN OD TUBE
31	9 402 944	ELBOW, 7/8-14 37 DEG FLARED TUBE 90 DEG UNION
32	547 413 R1	BRACKET, SELECTOR VALVE
	180 016	SCREW, 1/4-20 X 3/4 ZND HEX-HD CAP -2-
	180 034	SCREW, 1/4-20 X 1-1/2 ZND HEX-HD CAP -2-
	138 167	WASHER, 1/4 ZND INTERNAL LOCK -4-
33	547 421 R1	TUBE ASSY, AUX. VALVE W/O DRAFT CONTROL
33	547 416	TUBE ASSY, DRAFT CONTRCL & SELECTOR VALVE -FOR TRACTORS W/DRAFT CONTROL-
34	547 424 R1	TUBE ASSY, DIVERTER
35	547 425 R1	TUBE ASSY, DIVERTER TO BACKHOE
36	547 426 R1	TUBE ASSY, POWER SUPPLY
37	545 774 R1	HOSE ASSY, POWER SUPPLY TO BACKHOE
38	545 776 R1	HOSE ASSY, POWER BEYOND
39	545 777 R1	HOSE ASSY, RETURN
40	545 775 R1	HOSE ASSY, MVC TO BACKHOE
41	545 764 R1	CLAMP, HYDRAULIC TUBE
42	545 763 R1	BRACKET, CLAMP MOUNTING
	180 018	SCREW, 1/4-20 X 5/8 ZND HEX-HD CAP -2-
	120 380	WASHER, 1/4 ZND MED LOCK -2-
	120 375	NUT, 1/4-20 ZND HEX. -2-
43	9 403 373	CAP, 7/8-14 37 DEG HYD FLARED TUBE
44	9 410 207	UNION, 1-5/16-12 37 DEG HYD FLARED TUBE SHORT SWIVEL
45	481 766 R1	ADAPTER, 15/16 STR-THD TO 1-5/16 37 DEG SWIVEL
46	296 247 R1	O-RING, 1 OD TUBE
47	547 341 R1	TUBE ASSY, FLOW DIVIDER TO SWING
48	9 410 204	UNION, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL

-37- SECTION G
3122 SERIES A BACKHOE
BKH-1

REF. NO.	PART NUMBER	DESCRIPTION
		HYDRAULIC POWER SUPPLY -CONTINUED -2400 SERIES A TRACTORS W/ CAST REAR FRAME COVERS-
49	364 885 R1	O-RING, 5/8 OD TUBE
50	9 410 282	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE 90 DEG SWIVEL
51	547 340 R1	TUBE ASSY, FLOW DIVIDER TO MID INLET
52	545 680 R1	TEE, ADJ STR THD REDUCER
53	297 459 R1	O-RING, 7/8 OD TUBING
54	547 339 R1	ELBOW, 1-15/16-12 37 DEG HYD FLARED TUBE 90 DEG.
55	9 410 284	ELBOW, 1-3/16-12 37 DEG HYD FLARED TUBE 90 DEG. SWIVEL
56		VALVES, HYDRAULIC CONTROL -REFER TO HYDRAULIC CONTROL VALVES LISTING-
57		VALVE ASSY, FLOW DIVIDER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF FLOW DIVIDER VALVE-
58	9 403 296	NUT, 1-1/16-12 BULKHEAD UNION LOCK
59	9 403 297	NUT, 1-3/16-12 BULKHEAD UNION LOCK
60		VALVE, FLOW DIVIDER PROPORTIONAL -REFER TO FLOW DIVIDER PROPORTIONAL VALVE LISTING-
61	296 247 R1	O-RING, 1 IN. OD TUBE
62		NOT USED IN APPLICATION
63		NOT USED IN APPLICATION

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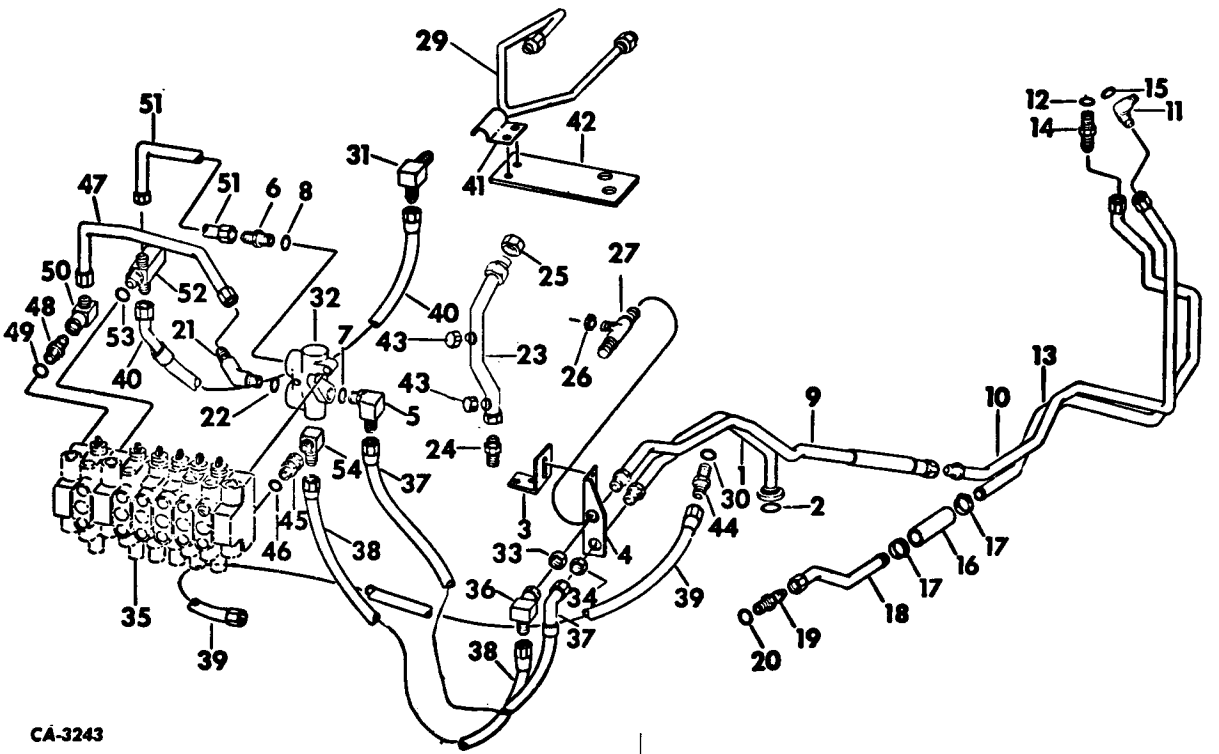
REVISION NO. 18

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC POWER SUPPLY
-2400 SERIES A TRACTORS W/ FLAT REAR FRAME COVERS-



1		547 347 R1	TUBE ASSY, PUMP TO BACKHOE
2		343 906 R1	O-RING, 1-5/16 X 1-9/16 X 1/8
3		547 348 R1	BRACKET, BULKHEAD SUPPORT
4		547 349 R1	BULKHEAD, PUMP-POWER BEYOND
		181 566	SCREW, 1/4-28 X 3/4 ZND HEX-HD CAP -2-
		120 392	WASHER, 9/32 X 5/8 X 18 GA C-Z -2-
		120 380	WASHER, 1/4 ZND MED LOCK -2-
		120 367	NUT, 1/4-28 ZND HEX. -2-
5		545 773 R1	ELBOW, 37 DEG FLARED TUBE ADJ STR-THD 90 DEG
6	9	410 204	UNION, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL -2-
7		368 269 R1	O-RING, 3/4 OD TUBE
8		364 885 R1	O-RING, 5/8 OD TUBE -2-
9		547 351 R1	TUBE ASSY, BACKHOE TO LOADER POWER
10		547 352 R2	TUBE ASSY, LOADER POWER BEYOND
11	9	411 108	ELBOW, 1-3/16-12 37 DEG HYD FLARED TUBE ADJ STR-THD 45 DEG
12		297 459 R1	O-RING, 7/8 OD TUBE
13		544 493 R1	TUBE ASSY, RETURN
14	9	410 207	UNION, 1-5/16-12 37 DEG HYD FLARED TUBE SHORT SWIVEL
15		296 247 R1	O-RING, 1 OD TUBE

3122 SERIES A BACKHOE -38- SECTION G

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC POWER SUPPLY -CONTINUED
-2400 SERIES A TRACTORS W/ FLAT REAR FRAME COVERS-

16		544 494 R1	HOSE, RETURN LINE
17		279 024 R91	CLAMP, HOSE -2-
18		544 495 R1	TUBE ASSY, RETURN
19		574 018 R1	UNION, 3/4-1 37 DEG HYD FLARED TUBE SHORT SWIVEL
20		368 269 R1	O-RING, 3/4 OD TUBE
21	9	411 106	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE ADJ STR-THD 45 DEG
22		364 885 R1	O-RING, 5/8 OD TUBE
23		59 048 C1	TUBE ASSY, HYD FILLER
24		565 014 R1	CONNECTOR, 1-5/16 TO 3/4 37 DEG HYD FLARED TUBE REDUCER
25	9	403 376	CAP, 1-5/16-12 37 DEG HYD FLARED TUBE
26			NOT USED IN APPLICATION
27			NOT USED IN APPLICATION
28		364 885 R1	O-RING, 5/8 OD TUBE
29		59 047 C1	TUBE ASSY, M.C.V.
30		296 247 R1	O-RING, 1 IN OD TUBE
31	9	402 944	ELBOW, 7/8-14 37 DEG FLARED TUBE 90 DEG UNION

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC POWER SUPPLY -CONTINUED	
		-2400 SERIES A TRACTORS W/ FLAT REAR FRAME COVERS-	
32		VALVE, FLOW DIVIDER PROPORTIONAL -REFER TO FLOW DIVIDER PROPORTIONAL VALVE LISTING-	
33	9 403 297	NUT, 1-3/16-12 BULKHEAD UNION LOCK	
34	9 403 296	NUT, 1-1/16-12 BULKHEAD UNION LOCK	
35		VALVES, HYDRAULIC CONTROL -REFER TO HYDRAULIC CONTROL VALVES LISTING-	
36	9 410 284	ELBOW, 1-3/16-12 37 DEG HYD FLARED TUBE 90 DEG. SWIVEL	
37	545 774 R1	HOSE ASSY, POWER SUPPLY TO BACKHOE	
38	545 776 R1	HOSE ASSY, POWER BEYOND	
39	545 777 R1	HOSE ASSY, RETURN	
40	545 775 R1	HOSE ASSY, MVC TO BACKHOE	
41	545 764 R1	CLAMP, HYDRAULIC TUBE	
42	545 763 R1	BRACKET, CLAMP MOUNTING	
	180 018	SCREW, 1/4-20 X 5/8 ZND HEX-HD CAP -2-	
	120 380	WASHER, 1/4 ZND MED LOCK -2-	
	120 375	NUT, 1/4-20 ZND HEX. -2-	
43	9 403 373	CAP, 7/8-14 37 DEG HYD FLARED TUBE -2-	
44	9 410 207	UNION, 1-5/16-12 37 DEG HYD FLARED TUBE SHORT SWIVEL	
45	481 766 R1	ADAPTER, 15/16 STR-THD TO 1-5/16 37 DEG SWIVEL	
46	296 247 R1	O-RING, 1 OD TUBE	
47	547 341 R1	TUBE ASSY, FLOW DIVIDER TO SWING	
48	9 410 204	UNION, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL	
49	364 885 R1	O-RING, 5/8 OD TUBE	
50	9 410 282	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE 90 DEG SWIVEL	
51	547 340 R1	TUBE ASSY, FLOW DIVIDER TO MID INLET	
52	545 680 R1	TEE, ADJ STR THD REDUCER	
53	297 459 R1	O-RING, 7/8 OD TUBING	
54	547 339 R1	ELBOW, 1-15/16-12 37 DEG HYD FLARED TUBE 90 DEG.	

-39- SECTION G
3122 SERIES A BACKHOE
REF. NO. | PART NUMBER | DESCRIPTION | BKH-1
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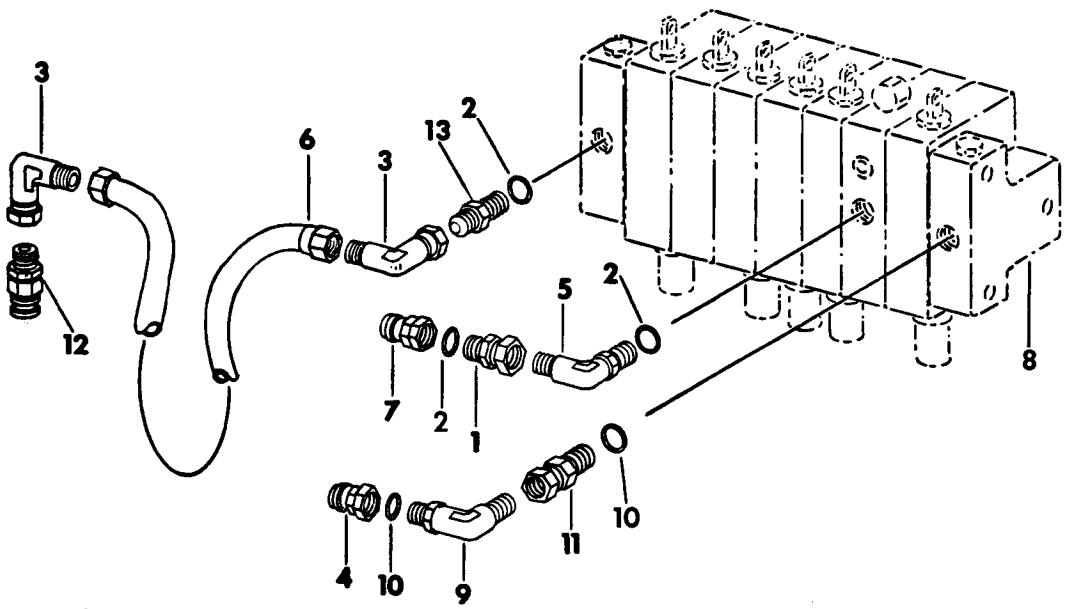
REVISION NO. 18

3122 SERIES A BACKHOE -40- SECTION G

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

POWER SUPPLY CONNECTIONS
-FOR 500C CRAWLER TRACTORS-



CA-7006 A

REF. NO.	PART NUMBER	DESCRIPTION
1	481 766 R1	UNION, 1-5/16 STRAIGHT SWIVEL
2	296 247 R1	O-RING, 1 IN. OD TUBE -3-
3	9 410 285	ELBOW, 1-5/16-12 37 DEG FLARED TUBE 90 DEG SWIVEL -2-
4	395 149 R1	COUPLER ASSY, SELF SEALING MALE
5	9 410 981	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE 90 DEG
6	492 621 R1	HOSE ASSY, RETURN LINE
7	480 743 R91	COUPLING ASSY, SELF SEALING MALE
8		VALVE BANK, HYDRAULIC CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC VALVE BANK-
9	9 410 978	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG
10	364 885 R1	O-RING, 5/8 TUBE -2-
11	485 313 R1	UNION, 7/8-14 STRAIGHT SWIVEL
12	480 744 R91	COUPLER, HYD QUICK DISCONNECT
13	9 410 207	UNION, 1-5/16-12 37 DEG HYD FLARED TUBE SHORT SWIVEL

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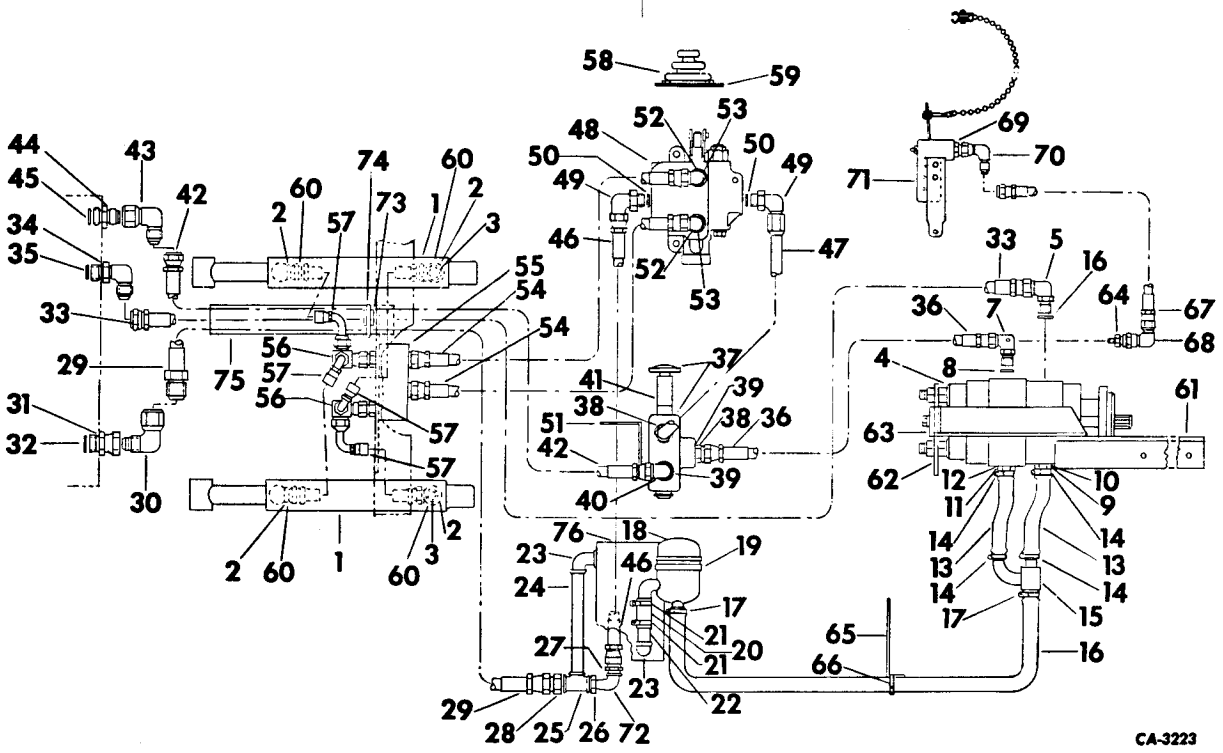
REVISION NO. 21

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

HYDRAULIC POWER SUPPLY AND CONNECTIONS -UTILITY BACKHOES-



REF. NO.	PART NUMBER	DESCRIPTION
1	545 034 R91	CYLINDER ASSY, TILT -2- -FOR COMPONENT DETAILS REFER TO HYDRAULIC CYLINDER LISTING-
2	570 828 R1	O-RING, 1/2 OD TUBE -4-
3	9 410 281	ELBOW, 3/4-16 37 DEG HYD FLARED TUBE 90 DEG SWIVEL -2-
4	547 361 R92	PUMP ASSY, TANDEM -ONLY SERVICE ITEMS ARE STUD SHORT /627 756 C1, STUD LONG/55 975 C1, WASHER/524 443 R1, NUT/19 724 R1, PLATE THRUST/627 758 C1 AND KIT/ 55 976 C1-
	21 434 R1	NUT, 5/8-11 ZND HEX. -2- FOR PUMP TIE BOLTS
	180 175	SCREW, 1/2-13 X 1-1/4 ZND HEX-HD CAP -4-
	120 384	WASHER, 1/2 ZND LOCK -4-
5	9 410 981	ELBOW, 1-5/16-12 37 DEG FLARED TUBE ADJ STR-THD 90 DEG
6	296 247 R1	O-RING, 1 OD TUBE
7	56 807 C1	ELBOW, 1-1/16-12 37 DEG HYD FLARED TUBE STR-THD 90 DEG
8	368 269 R1	O-RING, 3/4 OD TUBE
9	547 362 R1	FITTING, PUMP SUCTION INLET
10	301 016 R1	O-RING, 1-1/2 OD TUBE
11	547 363 R1	FITTING, PUMP SUCTION INLET
12	307 915 R1	O-RING, 1-1/4 OD TUBE
13	547 364 R1	HOSE, SUCTION -2-
14	279 027 R91	CLAMP, HOSE -4-
15	547 365 R1	TEE ASSY, MANIFOLD TUBE
16	547 369 R1	HOSE, PUMP SUCTION
17	279 027 R91	CLAMP, HOSE -2-
18	547 254 R92	FILTER ASSY -FOR COMPONENT DETAILS REFER TO OIL FILTER LISTING-
19	544 500 R2	CLAMP ASSY, FILTER
	180 122	SCREW, 3/8-16 X 1 ZND HEX-HD CAP -3-
	120 382	WASHER, 3/8 ZND MED LOCK -3-
	120 377	NUT, 3/8-16 ZND HEX. -3-
20	480 901 R1	HOSE, FILTER SUCTION
21	279 027 R91	CLAMP, HOSE -2-
22	219 696	NIPPLE, 1-1/4 PIPE X 4 IN. LONG
23	127 823	ELBOW, 1-1/4 PIPE 90 DEG STREET -2-
24	547 370 R2	NIPPLE, 1-1/4 PIPE X 31.0 IN. LONG
25	187 408	TEE, 1-1/4 PIPE
26	144 055	ADAPTER, 1 IN.-1/2 IN. PIPE REDUCING
27	9 402 710	CONNECTOR, 1/2 IN. PIPE TO 7/8-14 JIC 37 DEG THD

-41- SECTION G
3122 SERIES A BACKHOE
REF. NO. | PART NUMBER | DESCRIPTION | BKH-1
HYDRAULIC POWER SUPPLY AND CONNECTIONS -CONTINUED
-UTILITY BACKHOES-
PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 18

REF. NO.	PART NUMBER	DESCRIPTION BKH-1
		HYDRAULIC POWER SUPPLY AND CONNECTIONS -CONTINUED -UTILITY BACKHOES-
28	9 402 713	CONNECTOR, 1-5/16-12 37 DEG HYD FLARED TUBE
29	547 371 R1	HOSE ASSY, BACKHOE RETURN
30	9 410 285	ELBOW, 1-5/16-12 37 DEG FLARED TUBE 90 DEG SWIVEL
31	481 766 R1	ADAPTER, 1-5/16-12 37 DEG FLARED TUBE
32	296 247 R1	O-RING, 1 OD TUBE
33	547 372 R1	HOSE ASSY, PUMP TO BACKHOE MID-SECTION INLET
34	533 566 R1	ELBOW, 1-3/16-12 STR-THD TO 1-5/16-12 37 DEG JIC THD
35	297 459 R1	O-RING, 7/8 OD TUBE
36	547 373 R1	HOSE ASSY, PUMP TO SELECTOR VALVE
37	389 251 R92	VALVE ASSY, SELECTOR - IH -OPTIONAL W/383 946 R91- -FOR COMPONENT DETAILS REFER TO SELECTOR VALVE LISTING-
37	383 946 R91	VALVE ASSY, SELECTOR - GRESEN -OPTIONAL W/389 251 R92- -FOR COMPONENT DETAILS REFER TO SELECTOR VALVE LISTING-
	180 087	SCREW, 5/16-18 X 2 ZND HEX-HD CAP -2-
	120 214	WASHER, 5/16 ZND MED LOCK -2-
	120 376	NUT, 5/16-18 ZND HEX. -2-
38	9 410 204	UNION, 7/8-14 37 DEG FLARED TUBE -2- SHORT SWIVEL
39	364 885 R1	O-RING, 5/8 OD TUBE -3-
40	9 410 978	ELBOW, 7/8-14 37 DEG FLARED TUBE ADJ STR-THD 90 DEG
41	547 374 R1	SPACER, SELECTOR VALVE HANDLE
42	547 375 R1	HOSE ASSY, SELECTOR VALVE TO SWING INLET
43	9 410 282	ELBOW, 7/8-14 37 DEG FLARED TUBE SWIVEL 90 DEG
44	9 410 204	UNION, 7/8-14 37 DEG FLARED TUBE SHORT SWIVEL
45	364 885 R1	O-RING, 5/8 OD TUBE
46	394 902 R91	HOSE ASSY, BOOM TO LIFT CYLINDER
47	58 658 C1	TUBE ASSY, SELECTOR VALVE TO TILT CONT.
48	547 376 R91	VALVE ASSY, TILT CONTROL - GRESEN -FOR COMPONENT DETAILS REFER TO HYDRAULIC TILT CONTROL VALVE LISTING-
	180 134	SCREW, 3/8-16 X 2-1/2 ZND HEX-HD CAP -3-
	120 382	WASHER, 3/8 ZND MED LOCK -3-
	120 377	NUT, 3/8-16 ZND HEX. -3-
49	633 460 R91	ELBOW, 1-1/16-12 STR-THD TO 7/8-14 -2- 37 DEG JIC REDUCER 90 DEG
50	368 269 R1	O-RING, 3/4 OD TUBE -2-
51	547 377 R2	BRACKET, SELECTOR VALVE MOUNTING
52	936 450 R91	ELBOW, 7/8-14 STR-THD TO 3/4-16 37 DEG JIC 90 DEG REDUCING -2-
53	364 885 R1	O-RING, 5/8 OD TUBE -2-

-42- SECTION G
3122 SERIES A BACKHOE

REF. NO.	PART NUMBER	DESCRIPTION BKH-1
		HYDRAULIC POWER SUPPLY AND CONNECTIONS -CONTINUED -UTILITY BACKHOES-
54	547 378 R1	HOSE ASSY, TILT VALVE TO CHECK VALVE -2-
55	400 433 R92	VALVE ASSY, STABILIZER CHECK -FOR COMPONENT DETAILS REFER TO STABILIZER CHECK VALVE LISTING-
	9 403 294	NUT, 3/4-16 BULKHEAD UNION -2-
56	382 761 R1	ELBOW, OIL COOLER TUBES -2-
57	56 808 C1	HOSE ASSY, CHECK VALVE TO TILT CYL -4-
58	357 574 C1	SEAL, TILT VALVE HANDLE
59	357 575 C1	RETAINER, TILT VALVE HANDLE SEAL
	23 986 R1	SCREW, 1/4-14 X 1/2 ZND HEX-WASHER-HD -4-
60	545 166 R1	UNION ASSY, ORIFICE -4-
61	56 809 C2	SUPPORT ASSY, PUMP
	20 537 R1	SCREW, 3/8-16 X 1-1/4 ZND HEX-HD CAP -2-
62	56 814 C2	BRACKET, PUMP
63	56 815 C2	HANGER, PUMP
	226 092 R1	SCREW, 7/16-14 X 1-1/2 ZND HEX-HD CAP -2-
	120 383	WASHER, 7/16 ZND REG LOCK -2-
	120 388	WASHER -2-
	20 048 R1	NUT, 7/16-14 ZN HEX. NYLON INSERT LOCK
	9 418 646	NUT, 7/16-14 ZND HEX.
64	9 402 707	CONNECTOR, 1/8-27 37 DEG FLARED TUBE
65	56 816 C2	BRACKET, SUCTION HOSE
	180 016	SCREW, 1/4-20 X 1/2 ZND HEX-HD CAP
	120 380	WASHER, 1/4 ZND REG LOCK
	120 375	NUT, 1/4-20 ZND HEX.
66	279 027 R91	CLAMP, HOSE
67	56 817 C1	HOSE ASSY, PUMP TO HYDRO THROTTLE CONTROL VALVE
68	9 410 279	ELBOW, 1/4-18 37 DEG HYD FLARED TUBE 90 DEG
69	9 402 708	CONNECTOR, 1/4-20 37 DEG FLARED TUBE
70	9 410 280	ELBOW, 9/16-18 37 DEG HYD FLARED TUBE 90 DEG
71	56 818 C91	THROTTLE CONTROL ASSY -FOR COMPONENT DETAILS REFER TO THROTTLE CONTROL LISTING-
72	127 961	ELBOW, 1/2 STREET 90 DEG
73	56 819 C1	BRACKET, SUPPLY & RETURN HOSE
	180 016	SCREW, 1/4-20 X 1/2 ZND HEX-HD CAP
	120 380	WASHER, 1/4 ZND REG LOCK
	120 375	NUT, 1/4-20 ZND HEX.
74	427 312 R91	CLAMP, HOSE
75	56 820 C1	HOSE COVER, PROTECTIVE
76		HYDRAULIC TANK -REFER TO TRUCK BED LISTING-

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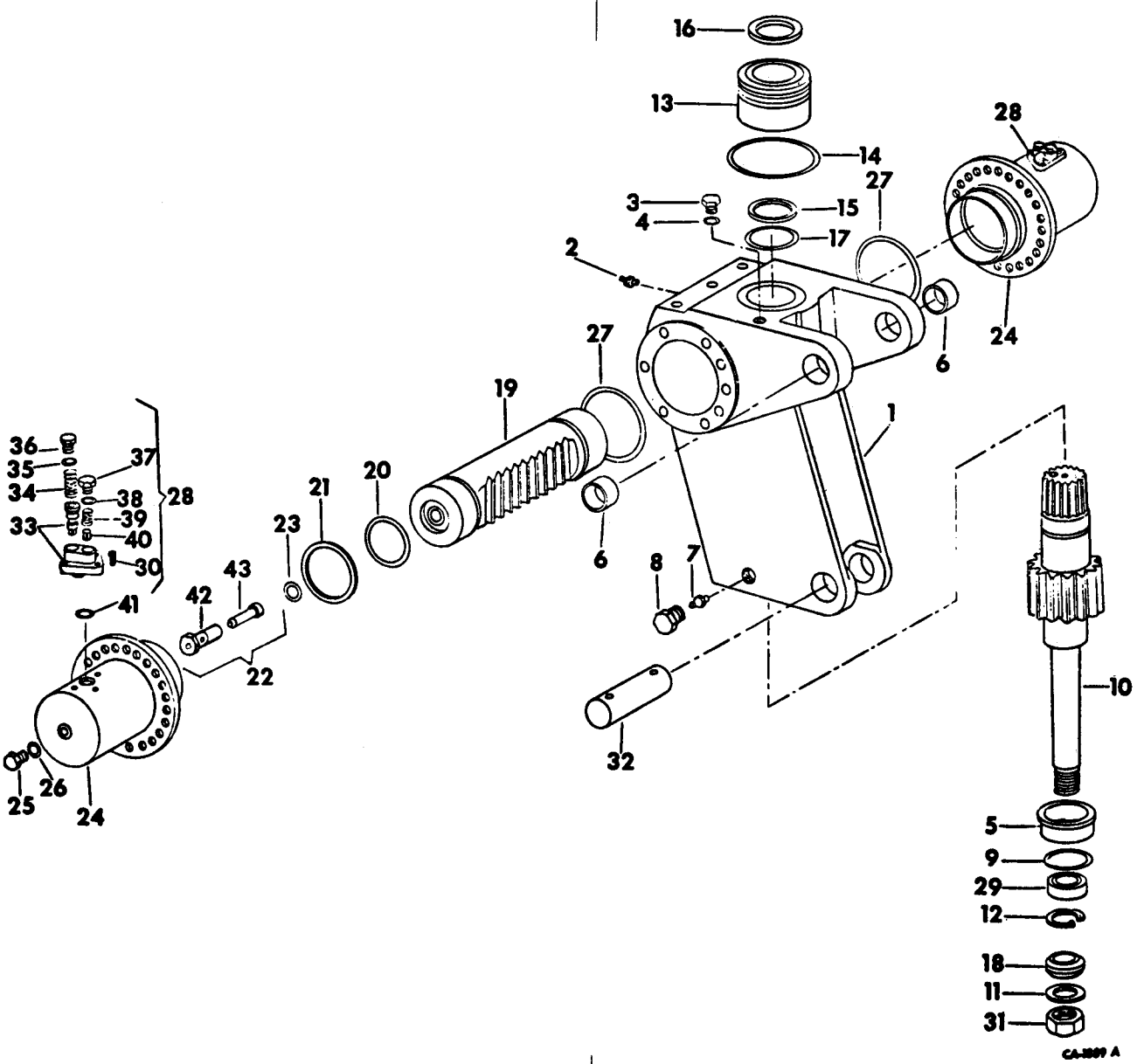
SWING MECHANISM



REF. NO.	PART NUMBER	DESCRIPTION
1	545 216 R91	HOUSING W/BUSHING, SWING
2	479 670 R1	SCREW, 1/2-13 X 2 HEX-SOC-HD HALF DOG PT SET
3 9	410 360	PLUG, 7/8-14 C-Z STR-THD O-RING BOSS
4	364 885 R1	O-RING, 5/8 OD TUBE
5	468 332 R1	BUSHING, LOWER SHAFT BRONZE
6	468 366 R1	BUSHING, PIVOT PIN -2-
7	110 146 R91	FITTING, 1/4-28 NF-2 STR LUB
8	545 218 R1	PLUG, 1/2-14 HEX-HD PIPE
9	471 140 R1	O-RING, 3 X 3-3/8 X 3/16 FOR POWER SHAFT BUSHING
10	545 219 R1	SHAFT
11	544 150 R1	WASHER, SHAFT
12	468 337 R1	RING, LOWER SHAFT BUSHING RETAINING
13	545 220 R1	BUSHING, UPPER SWING SHAFT

-43- SECTION G
3122 SERIES A BACKHOE
BKH-1

SWING MECHANISM -CONTINUED

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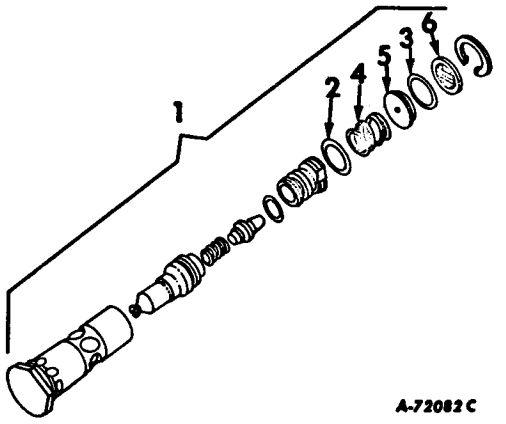
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	SWING MECHANISM -CONTINUED		
14	380 595 R1	O-RING, 5-5/8 X 5-7/8 X 1/8 UPPER SHAFT BUSHING	
15	489 532 R1	WASHER, BACKUP	
16	468 334 R91	SEAL, UPPER SHAFT BUSHING DUST	
17	468 335 R1	O-RING, 3-3/8 X 3-3/4 X 3/16 FOR UPPER SHAFT BUSHING	
18	468 336 R1	SPACER, LOWER SHAFT BEARING	
19	488 498 R1	PISTON	
20	468 339 R1	O-RING, 4 X 4-1/4 X 1/8 -2- ON PISTON	
21	468 340 R1	RING, PISTON -2-	
22	394 311 R91	VALVE ASSY, PISTON SAFETY -2-	
23	296 247 R1	O-RING, 1 OD TUBE -2- ON SAFETY VALVE ASSY	
24	545 221 R1	BODY, SWING CYL -2-	
	484 667 R1	SCREW, 5/8-11 X 1-1/2 HEX-HD CAP -16-	
25	9 410 358	PLUG, 9/16-18 C-Z STR THD O-RING BOSS -2-	
26	364 839 R1	O-RING, 3/8 OD TUBE -2- FOR SWING BODY	
27	285 253 R1	O-RING, 5-1/2 X 5-3/4 X 1/8 -2- BETWEEN HOUSING AND BODY	
28	544 698 R91	VALVE ASSY, DECELERATOR -2-	
29	545 222 R91	BEARING, SELF-ALIGNING SWING SHAFT	
30	601 924 C1	SCREW, 3/8-16 X 1 FLANGED 12 PT -6-	
31	18 460 R1	NUT, 1-1/2-12 NYLON INSERT	
32	468 370 R1	PIN, LIFT CYL PIVOT	
	631 252 R1	PIN, 3/8 X 4-1/8 STD-HD -2-	
	177 923	PIN, 1/8 X 3/4 C-Z COT. -2-	
33	544 699 R1	HOUSING ASSY, VALVE	
34	392 963 R1	SPRING, VALVE PISTON	
35	364 885 R1	O-RING, 3/4 X 15/16 X 3/32	
36	392 964 R1	PLUG, PISTON	
37	392 962 R11	PLUG ASSY, CHECK VALVE	
38	570 828 R1	O-RING, 1/2 OD TUBE	
39	382 915 R1	SPRING ASSY, CHECK VALVE	
40	382 916 R1	POPPET, CHECK VALVE	
41	25 173 R1	O-RING, 1-5/8 X 1-13/16 X 3/32 -2- BETWEEN VALVE HOUSING & SWING CYL	
42	382 995 R1	BODY, CUSHION VALVE -2-	
43	394 312 R91	POPPET ASSY, CUSHION VALVE -2-	

3122 SERIES A BACKHOE -44- SECTION G

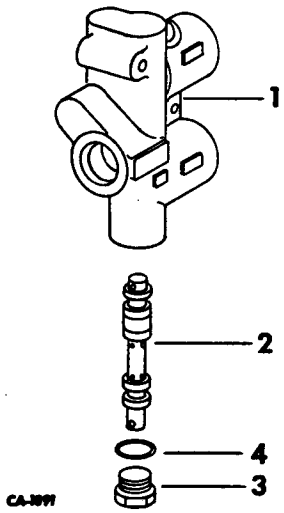
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	PILOT RELIEF VALVE		



1	388 208 R93	VALVE ASSY, PILOT RELIEF -2000 P.S.I.-	
1	543 976 R91	VALVE ASSY, PILOT RELIEF 2500 P.S.I.	
2	406 185 R1	O-RING, 5/8 X 3/4 X 1/16 -POPPET-	
3	298 385 R1	O-RING, 11/16 X 13/16 X 1/16 -ORIFICE PLATE-	
4	386 040 R1	SPRING POPPET RETURN	
5	386 042 R1	PLATE, ORIFICE	
6	386 073 R91	SCREEN ASSY, PILOT RELIEF VALVE	

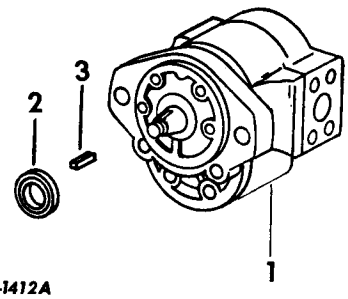
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

FLOW DIVIDER VALVE



	545 229 R91	VALVE ASSY, FLOW DIVIDER	
1	547 256 R1	BODY	
2	547 259 R1	PISTON	
3	9 410 359	PLUG	
4	570 828 R1	O-RING	

HYDRAULIC PUMP -THOMPSON-

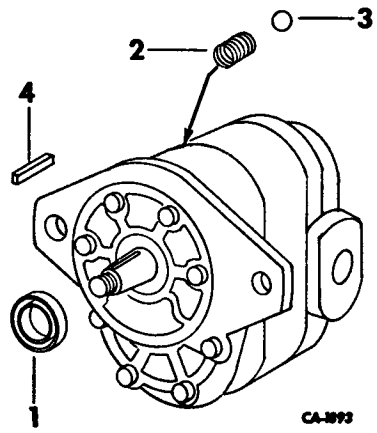


1	546 686 R93	PUMP ASSY, HYDRAULIC GEAR	
2	391 251 R91	SEAL, PUMP SHAFT OIL	
3	535 519 R1	KEY, PUMP SHAFT	
	403 616 R93	PACKAGE, HYDRAULIC PUMP O-RING AND GASKET SERVICE CONSISTS OF - $1 O-RING, PRESSURE PLATE $1 PLATE, PRESSURE $1 WEB, BACKING $1 WEB, BACKING -PAPER- $1 WEB, SEALING	

-45- SECTION G
3122 SERIES A BACKHOE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

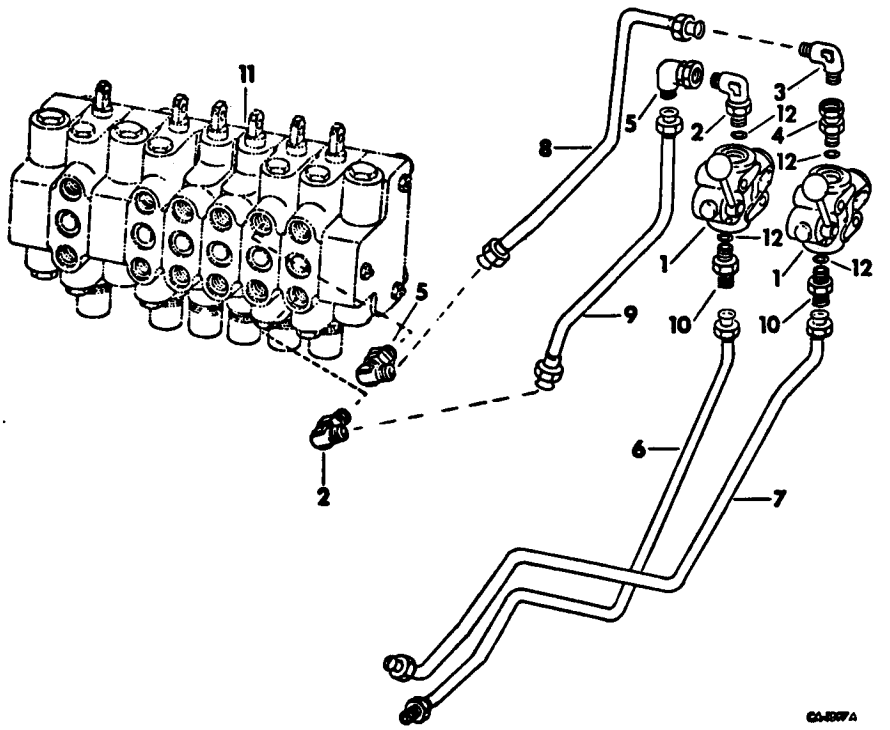
HYDRAULIC PUMP -CESSNA-



	547 301 R92	PUMP ASSY, HYDRAULIC GEAR	
1	397 826 R91	SEAL, PUMP SHAFT OIL -OPTIONAL W/381 232 R91-	
1	381 232 R91	SEAL, PUMP SHAFT OIL -OPTIONAL W/397 826 R91-	
2	381 230 R1	SPRING, CHECK BALL -2-	
3	16 013 R1	BALL, CHECK -2-	
4	67 182 C1	KEY, PUMPS DRIVE SHAFT -REPLACES 636 489 R1-	
	67 055 C1	PACKAGE, HYD PUMP O-RING & GASKET -CONSISTS OF 1 PLATE 1 DIAPHRAGM 1 GASKET 1 GASKET 1 SEAL 1 SEAL 2 O-RING 1 BALL 1 SPRING	

BKH-1

LEVER OPERATED CHECK VALVE AND CONNECTIONS
-FOR 500C CRAWLER TRACTORS-



REF. NO.	PART NUMBER	DESCRIPTION
1	488 897 R92	VALVE ASSY, CHECK LEVER OPERATED -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF LEVER OPERATED CHECK VALVE-
	20 903 R1	SCREW, 3/8-11 X 5-1/4 ZND HEX HD CAP -2-
	120 382	WASHER, 3/8 ZND MED LOCK -2-
	120 377	NUT, 3/8-16 ZND HEX -2-
2	9 410 978	ELBOW, 7/8-14 C-Z 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG -2-
3	9 402 944	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE 90 DEG
4	485 313 R1	UNION, 7/8-14 STRAIGHT SWIVEL
5	9 410 282	ELBOW, 7/8-14 C-Z 37 DEG HYD FLARED TUBE 90 DEG SWIVEL -2-
6	543 673 R1	TUBE ASSY, LIFT TO CHECK VALVE
7	543 672 R1	TUBE ASSY, TOP PORT CROWD CYLINDER TO CHECK VALVE
8	543 671 R1	TUBE ASSY, TOP PORT CROWD CYLINDER TO CHECK VALVE
9	543 670 R1	TUBE ASSY, BOTTOM PORT LIFT CYINDER
10	9 410 204	UNION, 7/8-14 C-Z 37 DEG HYD FLARED TUBE SHORT SWIVEL -2-
11		VALVE BANK, HYDRAULIC CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC VALVE BANK-
12	364 885 R1	O-RING, 5/8 OD TUBE -4-

-46- SECTION G
3122 SERIES A BACKHOE
BKH-1
LEVER OPERATED CHECK VALVE AND CONNECTIONS -CONTINUED
-FOR 500C CRAWLER TRACTORS-

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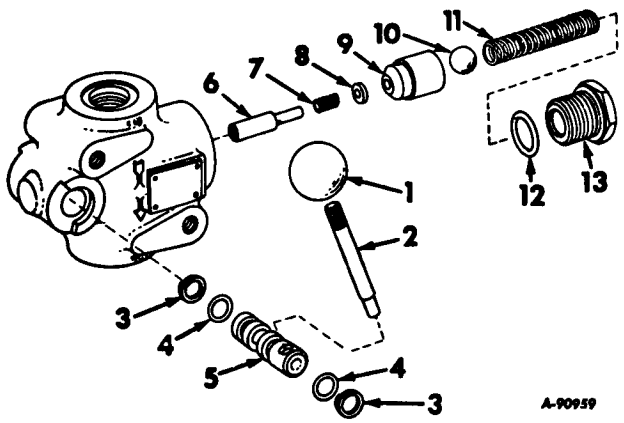
REVISION NO. 21

BKH-1

CHECK VALVE -LEVER OPERATED-

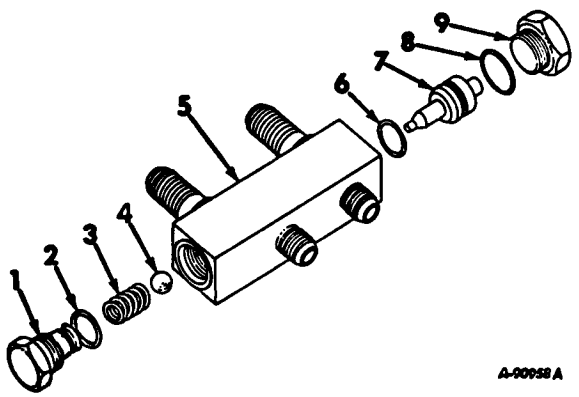


REF. NO.	PART NUMBER	DESCRIPTION
	488 897 R92	VALVE ASSY, CHECK
1	489 055 R1	KNOB
2	489 054 R1	HANDLE
3	157 925 H1	RING, BACK-UP -2-
4	355 966 R1	O-RING, 7/16 X 5/8 X 3/32 -2-
5	489 053 R1	CAM
6	489 056 R2	CAM FOLLOWER
7	489 058 R2	SPRING
8	489 057 R2	WASHER
9	489 051 R1	VALVE, POPPET
10	16 016 R1	BALL, 1/2 DIA CHROME STEEL
11	489 052 R1	SPRING
	17 272 R1	PIN, ROLL DRIVE
12	368 269 R1	O-RING, 3/4 OD TUBE
13	489 050 R1	PLUG, CHECK VALVE

-47- SECTION G
3122 SERIES A BACKHOE

BKH-1

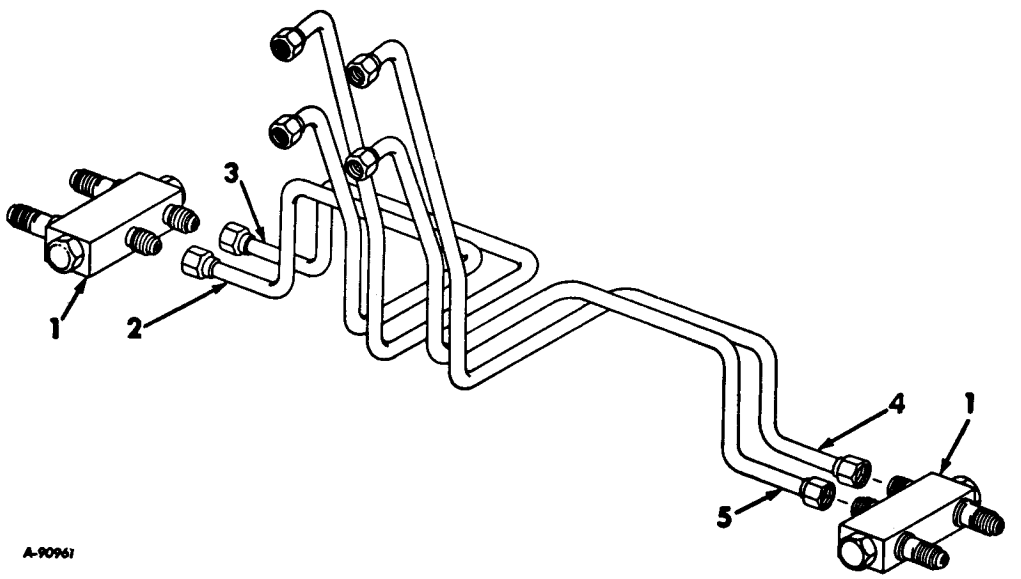
STABILIZER CHECK VALVE



REF. NO.	PART NUMBER	DESCRIPTION
	400 433 R92	VALVE ASSY, STABILIZER CHECK
1	59 060 C1	PLUG, CHECK VALVE -ALSO ORDER SPRING, 59 061 C1-
2	364 885 R1	O-RING FOR 5/8 OD TUBE -CHECK VALVE RING-
3	59 061 C1	SPRING, CHECK VALVE -ALSO ORDER PLUG, 59 060 C1-
4	17 016 R1	BALL, 1/2 CR-STL
5		BLOCK ASSY, CHECK VALVE -NOT SERVICED SEPERATELY ORDER VALVE ASSY, 400 433 R92-
6	21 433 R1	RING, ACTUATOR CHECK VALVE SEAL PISTON
7	362 707 R3	PISTON, ACTUATOR CHECK VALVE
8	368 269 R1	O-RING FOR 3/4 OD TUBE -CHECK VALVE RING-
9	400 664 R1	PLUG, O-RING BOSS

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

STABILIZER CHECK VALVE AND CONNECTIONS -500C CRAWLER TRACTORS AND UTILITY BACKHOES-



A-90961

1	400 433 R92		VALVE ASSY, STABILIZER CHECK -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF STABILIZER CHECK VALVE-
	138 561		WASHER, 3/4 C-Z INT-TOOTH LOCK -4-
9	403 294		NUT, 3/4-16 BULKHEAD UNION LOCK -4-
2	488 874 R1		TUBE ASSY, BOTTOM PORT RIGHT STABILIZER -UTILITY BACKHOES-
2	543 669 R1		TUBE ASSY, BOTTOM PORT RIGHT STABILIZER -500C CRAWLER TRACTORS-
3	488 872 R1		TUBE ASSY, TOP PORT RIGHT STABILIZER -UTILITY BACKHOES-
3	543 668 R1		TUBE ASSY, TOP PORT RIGHT STABILIZER -500C CRAWLER TRACTORS-
4	488 876 R1		TUBE ASSY, TOP PORT LEFT STABILIZER -UTILITY BACKHOES-
4	543 666 R1		TUBE ASSY, TOP PORT LEFT STABILIZER -500C CRAWLER TRACTORS-
5	488 879 R1		TUBE ASSY, BOTTOM PORT LEFT STABILIZER -UTILITY BACKHOES-
5	543 667 R1		TUBE ASSY, BOTTOM PORT LEFT STABILIZER -500C CRAWLER TRACTORS-

3122 SERIES A BACKHOE -48- SECTION G

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

STABILIZER CHECK VALVE AND CONNECTIONS -CONTINUED -500C CRAWLER TRACTORS AND UTILITY BACKHOES-

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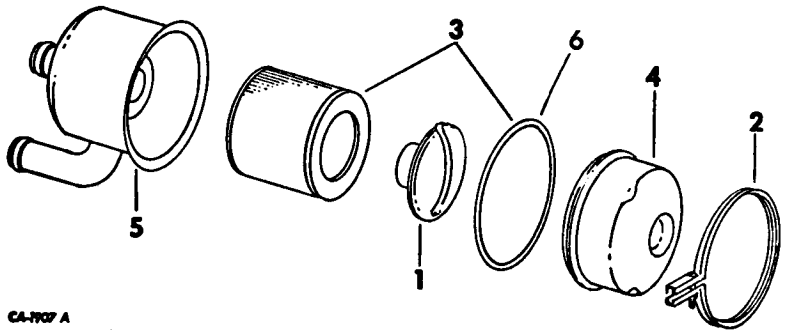
REVISION NO. 21

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

OIL FILTER
-UTILITY BACKHOES-



CA-1907 A

	547 254 R92	FILTER ASSY, OIL	
1	402 211 R1	VALVE AND SCREEN ASSY	
2	541 455 R1	CLAMP ASSY	
	15 053 R1	BOLT, 5/16-18 X 1-3/4 SQ-NK CRG	
	120 376	NUT, 5/16-18 C-Z HEX.	
3	547 412 R91	PACKAGE, OIL FILTER ELEMENT	
4		COVER -NOT SERVICED SEPARATELY, ORDER FILTER ASSY-	
5		BODY, FILTER -NOT SERVICED SEPARATELY, ORDER FILTER ASSY-	
6	541 456 R1	RING, CLAMP	

-49- SECTION G
3122 SERIES A BACKHOE

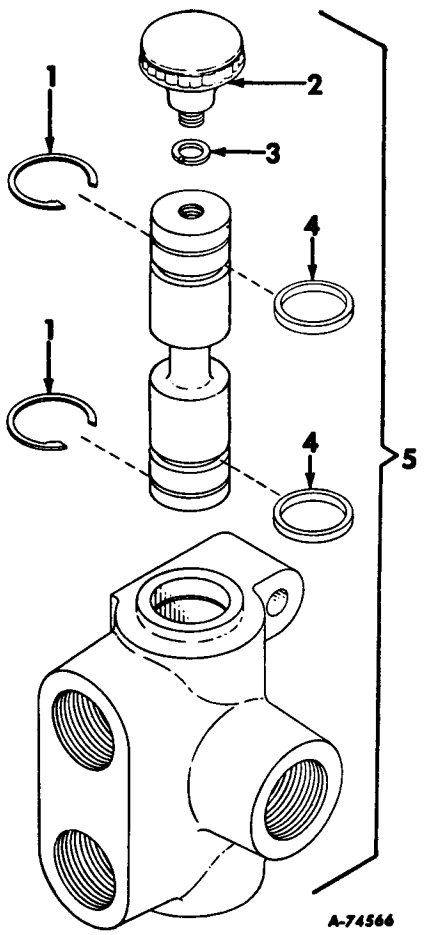
REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

OIL FILTER -CONTINUED
-UTILITY BACKHOES-

PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 21

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

DIVERTER VALVE



1	661 652 R1	RING, SELECTOR VALVE RETAINING -2- -NOTE A-
1	23 090 R1	RING, SELECTOR VALVE RETAINING -2- -NOTE B-
2	384 283 R1	KNOB, CONTROL -NOTE A-
2	389 255 R1	KNOB, CONTROL -NOTE B-
3	120 381	WASHER, 3/8 ZND LIGHT LOCK -NOTE A-
3	131 099	WASHER, 3/8 ZND HEAVY LOCK -NOTE B-
4	352 221 R1	O-RING, 9/16 X 3/4 X 3/32 -2- -NOTE A-
4	403 519 R1	O-RING, 9/16 X 3/4 X 3/32 -2- -NOTE B-
5	383 946 R91	VALVE ASSY, DIVERTER -NOTE A-
5	389 251 R92	VALVE ASSY, DIVERTER -NOTE B-

NOTE A - FOR SERVICE OF GRESEN DIVERTER VALVE-

NOTE B - FOR SERVICE OF IH MANUFACTURED DIVERTER VALVE-

3122 SERIES A BACKHOE -50- SECTION G

REF. NO. PART NUMBER DESCRIPTION BKH-1

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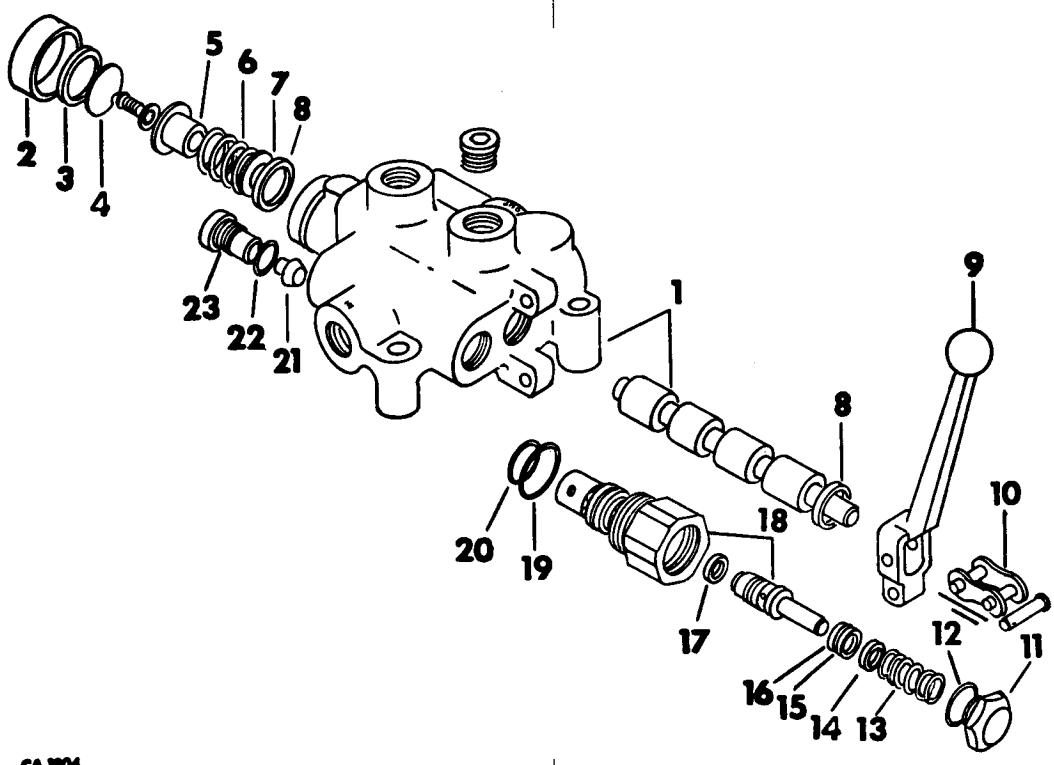
HYDRAULIC TILT CONTROL VALVE
-UTILITY BACKHOES-



CA-1904

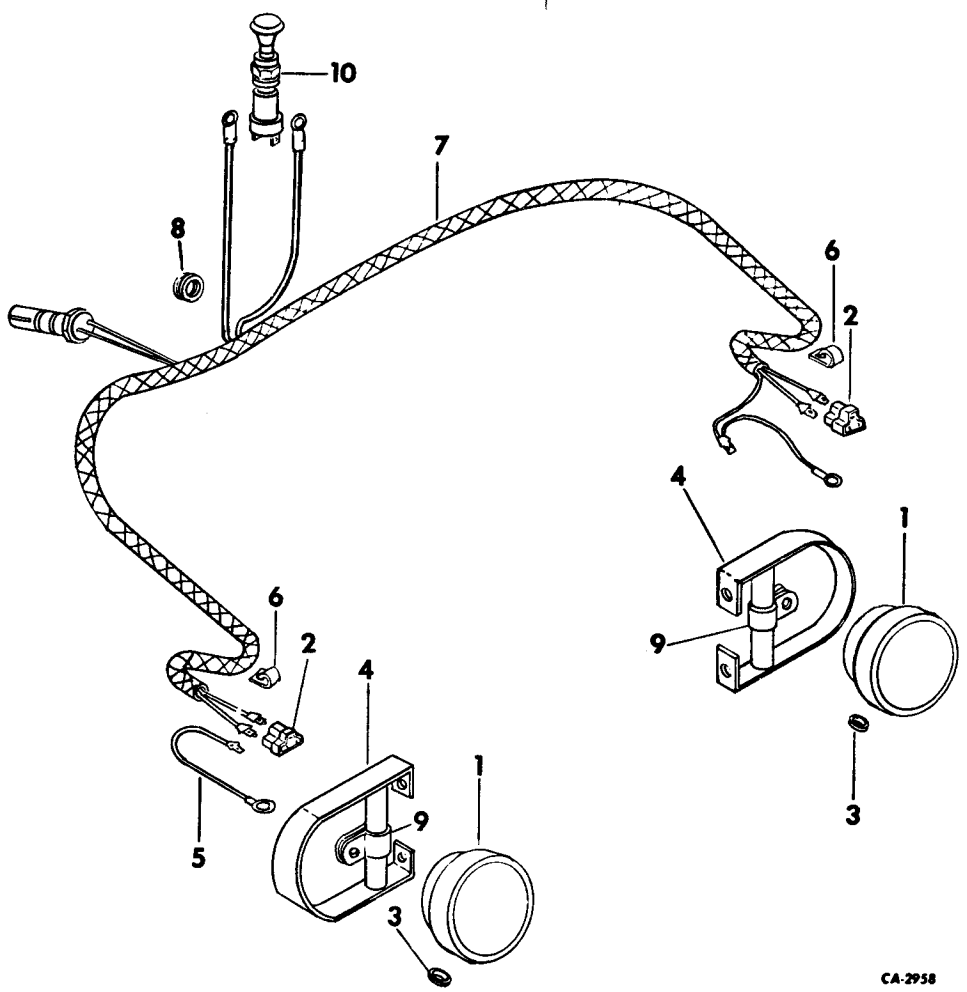
REF. NO.	PART NUMBER	DESCRIPTION
	547 376 R91	VALVE ASSY, TILT CONTROL
1	56 051 C91	VALVE ASSY, BODY & SPOOL
2	663 034 R1	CAP, BONNET
3	663 025 R1	RING, SNAP STOP DISK
4	663 023 R1	CAP, END
5	663 022 R1	COLLAR, STOP
	20 710 R1	SCREW, 1/4-20 X 1/2 ZND PAN-HD
	174 878	WASHER, 1/4 INT-TOOTH LOCK
6	663 024 R1	SPRING, CENTERING
7	149 372 R1	WASHER, STOP
8		SEAL SPOOL -NOT SERVICED SEPERATELY ORDER KIT 56 052 C91-
9	380 366 R1	HANDLE
10	635 714 R91	LINK ASSY, HANDLE
	137 228	PIN, 5/32 X 1-1/2 COT.
11	850 113 R1	CAP, RELIEF
12		O-RING -NOT SERVICED SEPERATELY ORDER KIT 56 052 C91-
13	850 109 R1	SPRING, 1751-2200 PSI CRACK 1451
14	850 112 R1	SHIM, .010
15	850 110 R1	SHIM, .040
16	850 111 R1	SHIM, .020
17	850 108 C1	PISTON, RING

-51- SECTION G
3122 SERIES A BACKHOE
BKH-1

HYDRAULIC TILT CONTROL VALVE -CONTINUED
-UTILITY BACKHOES-

REF. NO.	PART NUMBER	DESCRIPTION
18	547 539 R1	BODY, RELIEF VALVE
19		O-RING -NOT SERVICED SEPERATELY ORDER KIT 56 052 C91-
20		O-RING -NOT SERVICED SEPERATELY ORDER KIT 56 052 C91-
21	666 719 R1	POPPET, CHECK -2-
22		O-RING -NOT SERVICED SEPERATELY ORDER KIT 56 052 C91-
23	666 722 R1	PLUG, REAR CHECK
	56 052 C91	KIT, SEAL AND O-RING SERVICE -CONSISTS OF $2 SEAL 663 032 R1 $1 O-RING 364 885 R1 $1 O-RING 343 900 R1 $1 O-RING 384 943 R1 $1 O-RING 352 221 R1-

LIGHTING
-500C CRAWLER TRACTORS-



REF. NO.	PART NUMBER	DESCRIPTION
1	387 729 R91	LIGHT ASSY, COMBINATION SHOCK PROOF -2-
2	377 105 R1	CONNECTOR -2-
3	365 503 R1	SPACER, LAMP -2-
	120 378	NUT, 1/2-13 C-Z HEX -2-
	120 384	WASHER, 1/2 C-Z MED LOCK -2-
4	482 979 R11	GUARD ASSY, BACKHOE LAMP -2-
	180 124	SCREW, 3/8-16 X 1-1/4 C-Z HEX-HD CAP -4-
	120 382	WASHER, 3/8 C-Z MED LOCK -4-
	120 377	NUT, 3/8-16 C-Z HEX -4-
5	481 737 R91	CABLE ASSY, LIGHT TO GROUND
6	366 460 R1	CLIP, CABLE -2-
7	492 623 R91	CABLE ASSY, BACKHOE LIGHTS
8	42 486 H	GROMMET, RUBBER
9	350 920 R1	CLAMP, HEAD LAMP -2-
10	362 818 R91	SWITCH ASSY, LIGHTING

-52- SECTION G
3122 SERIES A BACKHOE
BKH-1
LIGHTING -CONTINUED
-500C CRAWLER TRACTORS-
PRINTED IN UNITED STATES OF AMERICA
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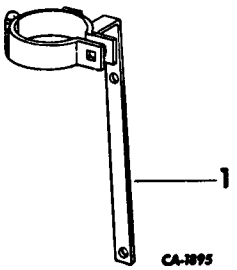
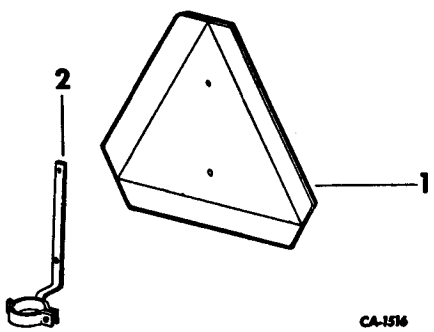
REF. NO.	PART NUMBER	DESCRIPTION

SLOW MOVING VEHICLE BRACKET
-2400 SERIES A TRACTORS-



1	548 492 R1	BRACKET ASSY, REFLECTOR MTG
		-REPLACES 534 794 R1-
	104 084	RIVET, 1/4 X 7/8 BUTTON HD
	18 628 R1	BOLT, 1/4 X 1-1/4 ZND SQ-NK CRG
	126 177	NUT, 1/4-20 WING

SLOW MOVING VEHICLE EMBLEM
-500C CRAWLER TRACTORS-

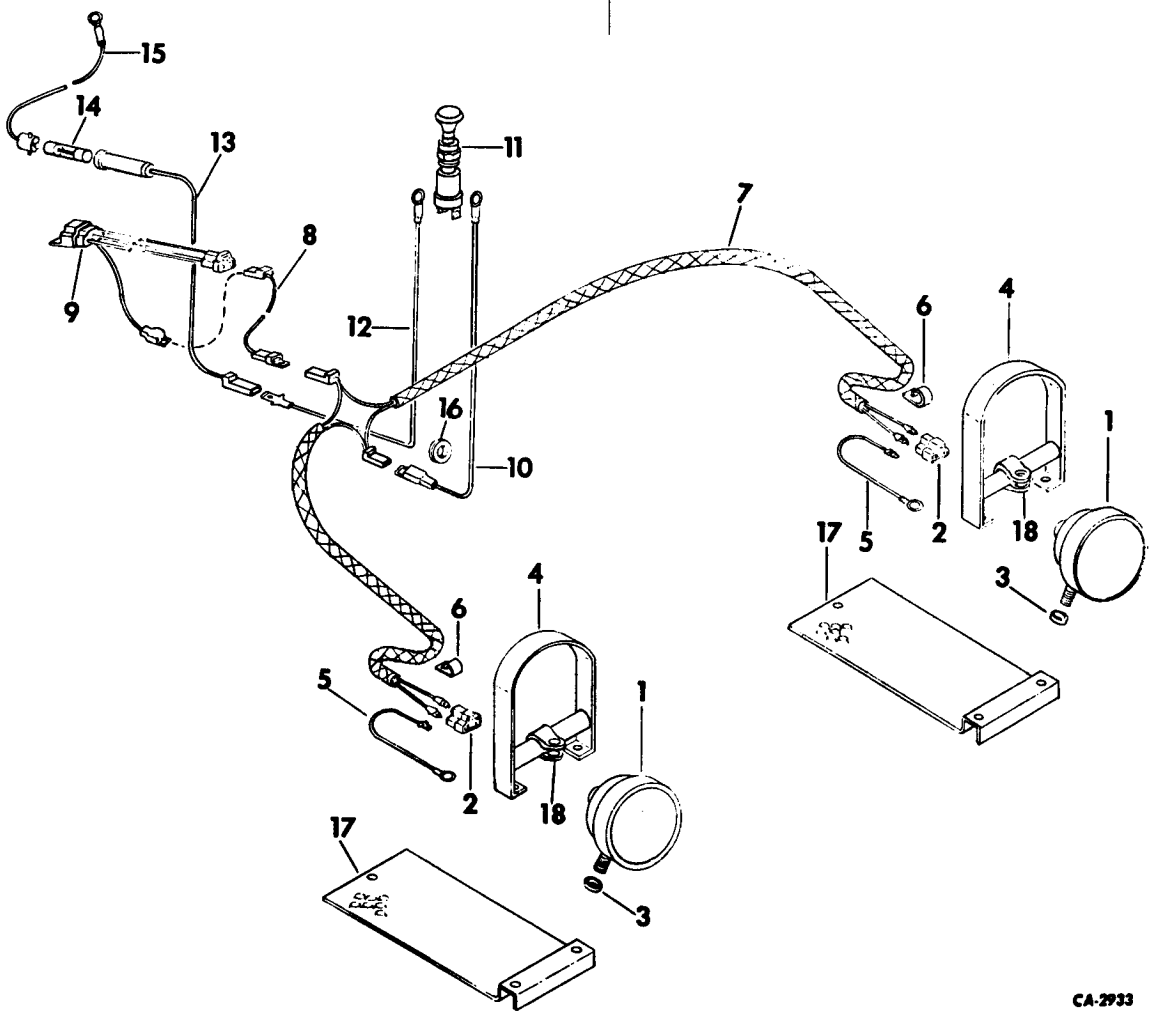


1	202 013 C1	EMBLEM, SLOW MOVING VEHICLE
	120 221	SCREW, 10-24 X 1/2 RD-HD SLT MACH -2-
	120 361	NUT, 10-24 HEX. -2-
	607 893 R1	WASHER, 13/64 X 1/2 X 16 GA -2-
2	534 794 R1	BRACKET ASSY, REFLECTOR MOUNTING
	18 628 R1	BOLT, 1/4 X 1-1/4 SQ-NK CRG
	126 177	NUT, 1/4-20 WING
	104 084	RIVET, 1/4 X 7/8 BUTTON HEAD

-53- SECTION G
3122 SERIES A BACKHOE
BKH-1
PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 18

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

LIGHTING
-2400 SERIES A TRACTORS-



CA-2933

1	387 729 R91	LIGHT ASSY, COMBINATION SHOCKPROOF -2-	
2	377 105 R1	CONNECTOR -2-	
3	365 503 R1	SPACER, LAMP -2-	
	120 373	NUT, 1/2-13 ZND HEX.	
	120 384	WASHER, 1/2 ZND MED LOCK -2-	
4	482 979 R11	GUARD ASSY, BACKHOE LAMP -2-	
	180 122	SCREW, 3/8-16 X 1 ZND HEX-HD CAP -4-	
	120 382	WASHER, 3/8 ZND MED LOCK -4-	
	120 377	NUT, 3/8-16 ZND HEX. -4-	
5	481 737 R91	CABLE ASSY LIGHT TO GROUND -2-	
6	366 460 R1	CLIP, CABLE -2-	
7	481 733 R91	CABLE ASSY, REAR LIGHT TO TAIL LIGHT	
8	481 734 R91	CABLE ASSY, INTERMEDIATE TAIL LAMP	
9	549 792 R1	CABLE ASSY, BACKHOE SPLICER	
10	481 736 R91	CABLE ASSY, SWITCH TO HEAD LIGHT	

-54- SECTION G
3122 SERIES A BACKHOE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

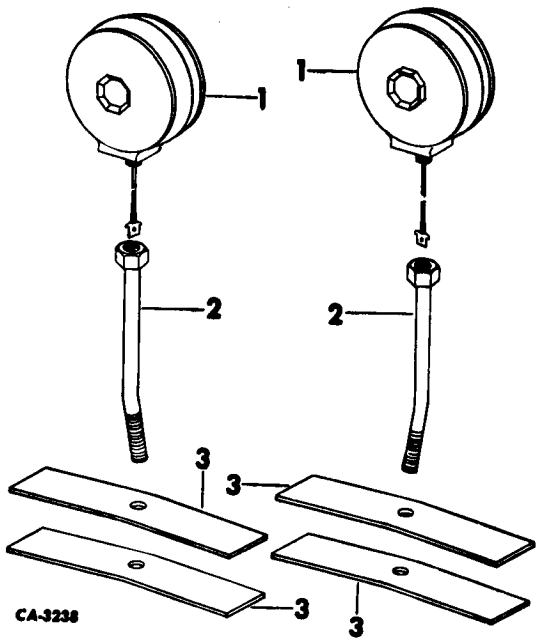
LIGHTING -CONTINUED
-2400 SERIES A TRACTORS-

11	362 818 R91	SWITCH ASSY, LIGHT	
12	481 735 R91	CABLE ASSY, LIGHT SWITCH TO FUSE	
13	469 657 R1	HOUSING ASSY, FUSE	
14	117 142	FUSE, CARTRIDGE TYPE AGC10	
15	469 656 R1	CAP ASSY, FUSE HOUSING	
16	42 486 H	GROMMET, RUBBER	
17	547 103 R1	FLOOR PLATE, SIDE -2-	
18	350 920 R1	CLAMP HEAD LAMP -2-	
	549 791 R91	LIGHTING PARTS ACCESSORY -CONSISTS OF REFERENCE NUMBERS 1 THROUGH 18-	

PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 18

REF. NO.	PART NUMBER	DESCRIPTION

FLASHING WARNING LIGHT

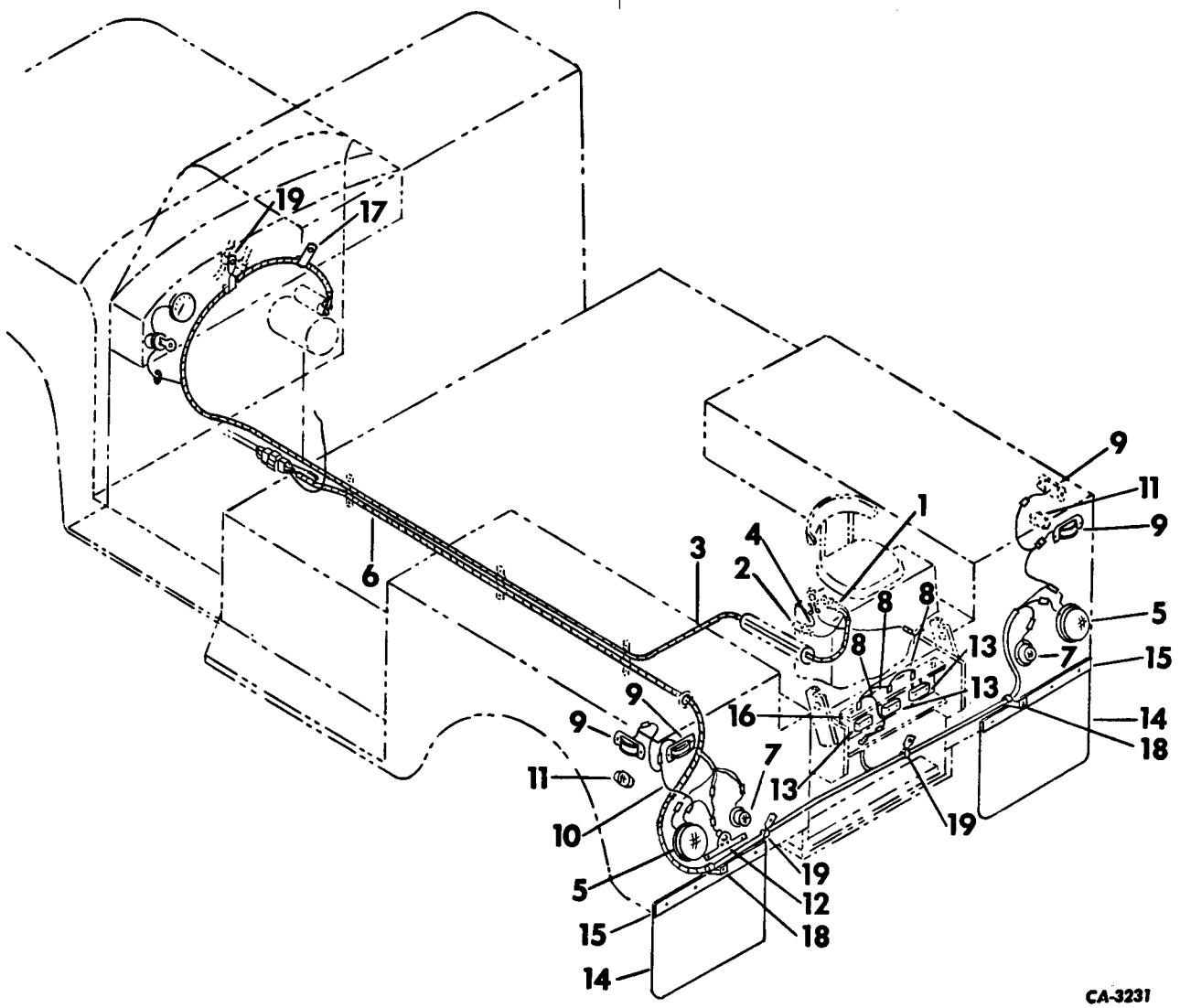


1	67 538 C91	LIGHT ASSY, FLASHING WARNING -2-
		-ONLY SERVICE ITEM IS LAMP/9 417 866-
	124 934	NUT, 1/2-20 ZND HEX JAM -2-
2	548 395 R1	ARM ASSY, FLASHING WARNING LIGHT MTG -2-
3	548 397 R1	STIFFENER, FLASHING WARNING LIGHT -4-
	120 384	WASHER, 1/2-13 ZND MED LOCK -2-

-55- SECTION G
3122 SERIES A BACKHOE
BKH-1
PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 18

BKH-1

TRUCK FRAME ELECTRICAL CONNECTIONS
-UTILITY BACKHOES-



CA-3231

REF. NO.	PART NUMBER	DESCRIPTION
1	392 950 R92	SWITCH ASSY, IGNITION & STARTING
2	376 852 R91	HOUSING ASSY, FUSE
	106 653	FUSE, CARTRIDGE TYPE - AGC-20
3	56 821 C1	HARNESS ASSY, BACKHOE STARTING & IGNITION
4	405 222 R1	CABLE ASSY, LIGHTING SWITCH TO IGNITION LOCK
5	533 364 R91	LIGHT ASSY, STOP & TAIL -2-
	436 734	SCREW, 10-24 X 3/4 ZN SLT-PAN-HD -6-
	120 217	WASHER, NO. 10 ZND REG LOCK -6-
	120 361	NUT, 10-24 ZND HEX. -6-
6	56 822 C1	HARNESS ASSY, BACKHOE BODY REAR LIGHTING

BKH-1

TRUCK FRAME ELECTRICAL CONNECTIONS -CONTINUED
-UTILITY BACKHOES-

REF. NO.	PART NUMBER	DESCRIPTION
7	381 182 C91	LAMP ASSY, BACK-UP -2-
	171 225	SCREW, 8/32 X 1/2 C-Z SLT FLAT HD TAP. -4-
	436 734	SCREW, 10-24 X 3/4 ZN SLT-PAN-HD -4-
	120 217	WASHER, NO. 10 ZND REG LOCK -4-
	120 361	NUT, 10-24 ZND HEX. -4-
8	56 823 C1	CABLE ASSY, BACKHOE BODY TAIL LIGHT
9	996 787 R91	CLEARANCE LAMP, ARMORED - RED -4-
	436 697	SCREW, 8-32 X 3/4 ZN SLT-PAN-HD -16-
	121 841	WASHER, NO. 8 ZND REG LOCK -16-
	120 622	NUT, 8-32 ZND HEX. -16-
10	56 824 C1	CABLE ASSY, BACKHOE LH FENDER LIGHT

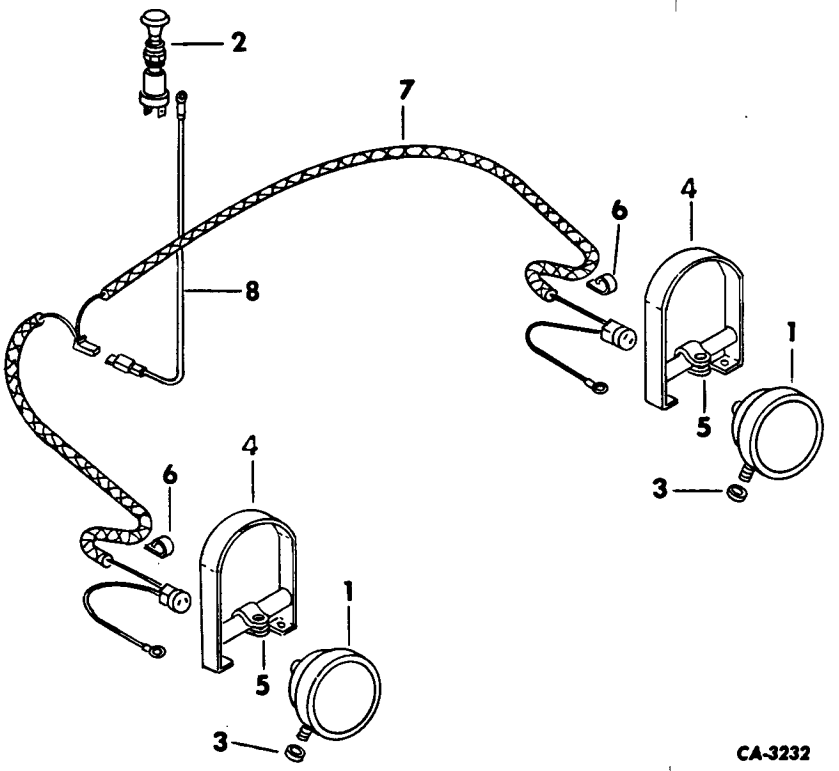
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		TRUCK FRAME ELECTRICAL CONNECTIONS -CONTINUED	
		-UTILITY BACKHOES-	
11	995 170 R2	REFLECTOR, ARMORED - RED -4-	
	24 196 R1	SCREW, 1/4-14 X 5/8 C-Z SLT HEX-HD TAP. -8-	
12	860 197 R91	LAMP ASSY, LICENSE -GUIDE LAMP DIV.	
	451 195	SCREW, 1/4-20 X 1 ZN SLT-PAN-HD -6-	
	120 380	WASHER, 1/4 ZND REG LOCK -6-	
	120 375	NUT, 1/4-20 ZND HEX. -6-	
	117 957	GROMMET, RUBBER SIZE #1	
13	545 616 R1	LIGHT ASSY, TAIL -3-	
		-OPTIONAL W/402 987 R91-	
13	402 987 R91	LIGHT ASSY, TAIL -3-	
		-OPTIONAL W/545 616 R1-	
	436 696	SCREW, 8-32 X 5/8 ZND SLT PAN HD. -6-	
	121 841	WASHER, NO. 8 ZND REG LOCK -6-	
	120 622	NUT, 8-32 ZND HEX. -6-	
14	56 825 C1	GUARD, SPLASH -2-	
15	56 826 C1	BRACKET, SPLASH GUARD -2-	
	180 124	SCREW, 3/8-16 X 1-1/4 ZND HEX-HD CAP -8-	
	120 382	WASHER, 3/8 ZND REG LOCK -8-	
	21 333 R1	NUT, 3/8-16 ZND HEX. -8-	
16	58 542 C1	PLATE, TAIL LIGHT MOUNTING	
	180 124	SCREW, 3/8-16 X 1-1/4 ZND HEX-HD CAP -2-	
	120 382	WASHER, 3/8 ZND REG LOCK -2-	
	120 377	NUT, 3/8-16 ZND HEX. -2-	
	187 540	GROMMET, RUBBER -3-	
	338 065 R1	GROMMET, RUBBER	
17	384 559 R1	CLIP, CABLE HARNESS	
18	370 383 R1	CLIP, CABLE HARNESS -2-	
19	363 660 R1	CLIP, TWISTED CABLE HARNESS -3-	
	180 083	SCREW, 5/16-18 X 1-1/2 HEX-HD CAP -2-	
	120 376	NUT, 5/16-18 HEX. -2-	
	120 214	WASHER, 5/16 REG LOCK -2-	
		PRODUCT GRAPHICS	
	544 266 R91	PACKAGE, PRODUCT GRAPHIC	
		-2400 SERIES A TRACTORS AND UTILITY BACKHOES-	
		-CONSISTS OF	
		$ PRODUCT GRAPHIC, SERIES A	
		$ PRODUCT GRAPHIC, BACKHOE LH STABILIZER	
		$ PRODUCT GRAPHIC, BACKHOE RH STABILIZER	
		$ PRODUCT GRAPHIC, BACKHOE DIPPERSTICK	
		$ PRODUCT GRAPHIC, BACKHOE BUCKET	
		$ PRODUCT GRAPHIC, BACHHOE SWING	
		$ PRODUCT GRAPHIC, BACKHOE BOOM	
		$ PRODUCT GRAPHIC, GREASE GUN	
		$ PRODUCT GRAPHIC, BACKHOE CONTROLS	
		$ PRODUCT GRAPHIC, BACKHOE CONTROLS	
	546 278 R91	PACKAGE, PRODUCT GRAPHICS	
		-500C CRAWLER TRACTORS-	
		-CONSISTS OF	
	545 825 R1	$ PRODUCT GRAPHIC, SERIES A	
	534 831 R1	$ PRODUCT GRAPHIC, CONTROL DECAL	
	534 832 R1	$ PRODUCT GRAPHIC, CONTROL DECAL	
	534 833 R1	$ PRODUCT GRAPHIC, CONTROL DECAL	
	534 834 R1	$ PRODUCT GRAPHIC, CONTROL DECAL	
	534 835 R1	$ PRODUCT GRAPHIC, CONTROL DECAL	
	534 836 R1	$ PRODUCT GRAPHIC, CONTROL DECAL	
	547 622 R1	$ PRODUCT GRAPHIC, GREASE GUN	
	547 496 R1	PRODUCT GRAPHIC PKG, INT	
		-500C CRAWLER TRACTORS-	
	547 494 R91	PRODUCT GRAPHIC, IH TRADEMARK -2-	
		-500C CRAWLER TRACTORS-	
	547 498 R91	PRODUCT GRAPHIC, MODEL NO SERVICE PKG	
		-500C CRAWLER TRACTOR-	

-57- SECTION G
3122 SERIES A BACKHOE
REF. NO. PART NUMBER DESCRIPTION BKH-1
PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 18

3122 SERIES A BACKHOE -58- SECTION G

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

BACKHOE MAINFRAME LIGHTS
-UTILITY BACKHOES-



CA-3232

1	391 005 R91	LIGHT ASSY, REAR SHOCK PROOF -2-	
2	362 818 R91	SWITCH, LIGHTING	
3	365 503 R1	SPACER, LAMP -2-	
	120 384	WASHER, 1/2 ZND REG LOCK -2-	
	120 378	NUT, 1/2-13 ZND HEX. -2-	
4	482 979 R11	GUARD ASSY, BACKHOE LAMP -2-	
5	350 920 R1	CLAMP, HEAD LAMP -2-	
	180 124	SCREW, 3/8-16 X 1-1/4 ZND HEX-HD CAP -4-	
	120 382	WASHER, 3/8 ZND REG LOCK -4-	
	120 377	NUT, 3/8-16 ZND HEX. -4-	
6	366 460 R1	CLIP, CABLE -2-	
7	58 685 C1	CABLE ASSY, SWITCH TO BACKHOE LIGHTS	
8	481 736 R91	CABLE, SWITCH TO HEAD LIGHT CABLE	

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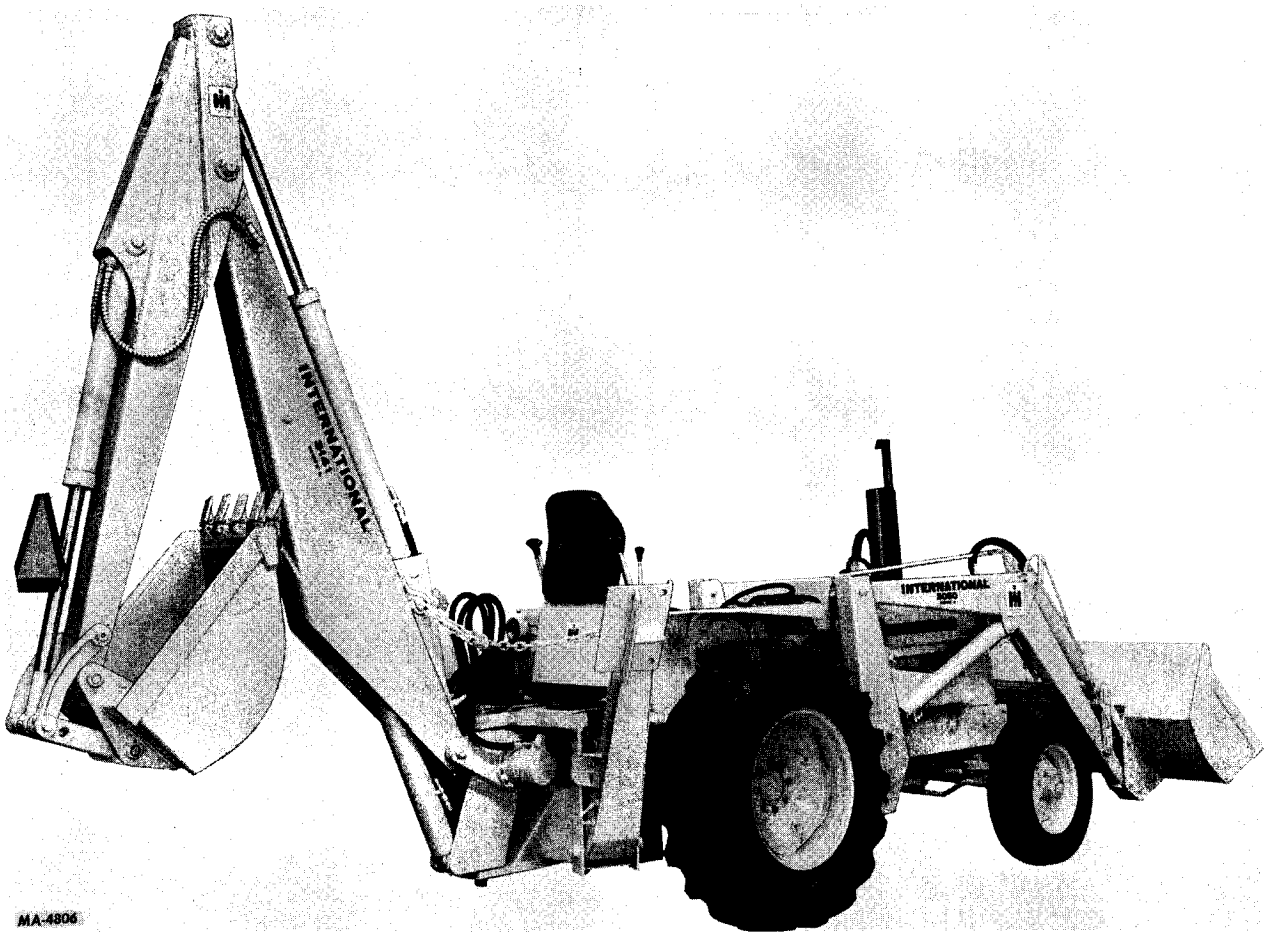
BKH-1



International 3141 Series A Backhoe shown on International 2500 Series A Tractor.

INTERNATIONAL 3141 SERIES A BACKHOE

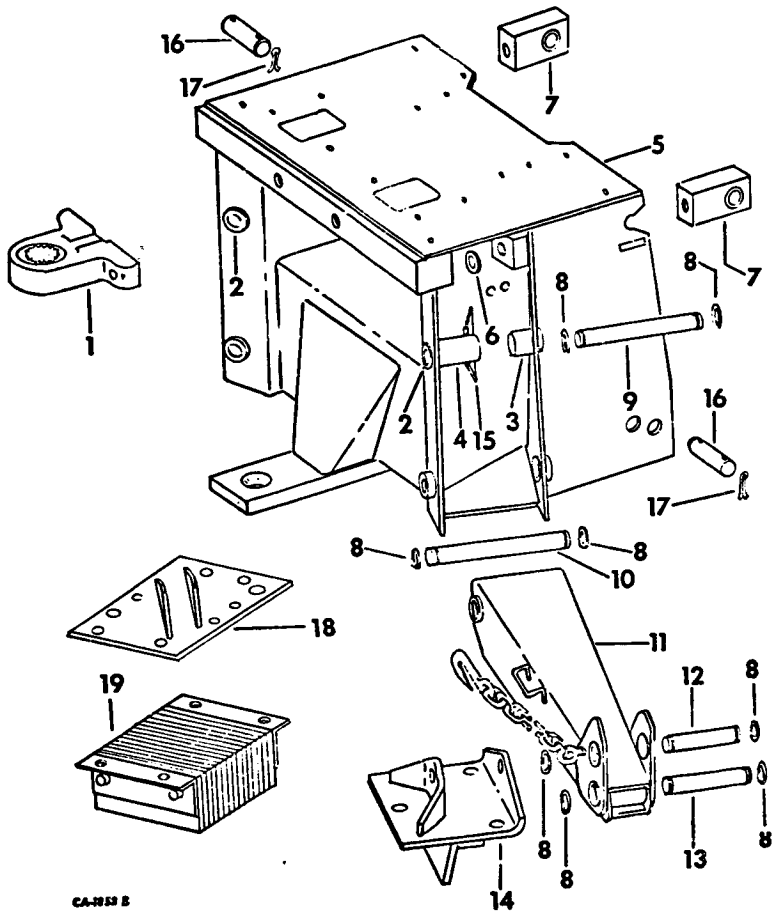
Built 1971 and Since

INDEX TO UNITS BKH-1

DESCRIPTION	Page
BOOM	4
BRACKET, Slow Moving Vehicle	27
BUCKET	4
CONSOLE	11
CONTROLS, Hydraulic	13
CYLINDERS, Hydraulic	
Bucket	7
Crowd	7
Stabilizer	7
Tilt	7
DIPPERSTICK	4
FRAME, Main	3
HYDRAULIC CONNECTIONS	18
HYDRAULIC CONTROL VALVES	23
LIGHTING EQUIPMENT	26
PADS	3
PLATES, Floor	11
POWER SUPPLY, Hydraulic	19
PRODUCT GRAPHICS	27
SEAT	10
STABILIZER	3
SUBFRAME	9
SUPPORT, Seat	10, 11
SWING MECHANISM	21
TUBES, Hydraulic	16
VALVES	
Diverter	24
Flow Divider	24
Pilot Relief	25
Three Position Control	15

DESCRIPTION	Page
PARTS ACCESSORIES AND ATTACHMENTS	
FROST BREAKER	4
PADS, Street	3

MAIN FRAME STABILIZER AND PADS



REF. NO.	PART NUMBER	DESCRIPTION
1	545 214 R91	MOUNTING W/PILOTS, TOP SWING
	289 757 R1	SCREW, 7/8-9 X 4-1/4 ZND HEX-HD CAP -2-
	384 697 R1	WASHER, .906 X 1.75 X .164 -2-
2	468 385 R1	BOSS, STABILIZER PIVOT -4-
3	468 386 R1	BOSS, STABILIZER CYL REAR -2-
4	468 387 R1	BOSS, STABILIZER CYL FRT -2-
5	492 573 R2	FRAME ASSY, BACKHOE MAIN
6	470 459 R1	WASHER, 1-1/16 X 2 X 10 GA -2-
7	540 966 R1	LUG, MAIN FRAME MOUNTING -2-
	21 305 R1	SCREW, 1-8 X 3-1/2 TYPE 8 HEX-HD -2- CAP
8	468 283 R1	RING, EXTERNAL RETAINING -16- USE 2 W/EACH PIN
9	468 638 R2	PIN, STABILIZER CYL TO MAIN FRAME -2-
10	468 635 R2	PIN, STABILIZER TO MAIN FRAME -2-
11	545 231 R1	STABILIZER ASSY, LEFT
11	545 232 R1	STABILIZER ASSY, RIGHT

MAIN FRAME STABILIZER AND PADS -CONTINUED-

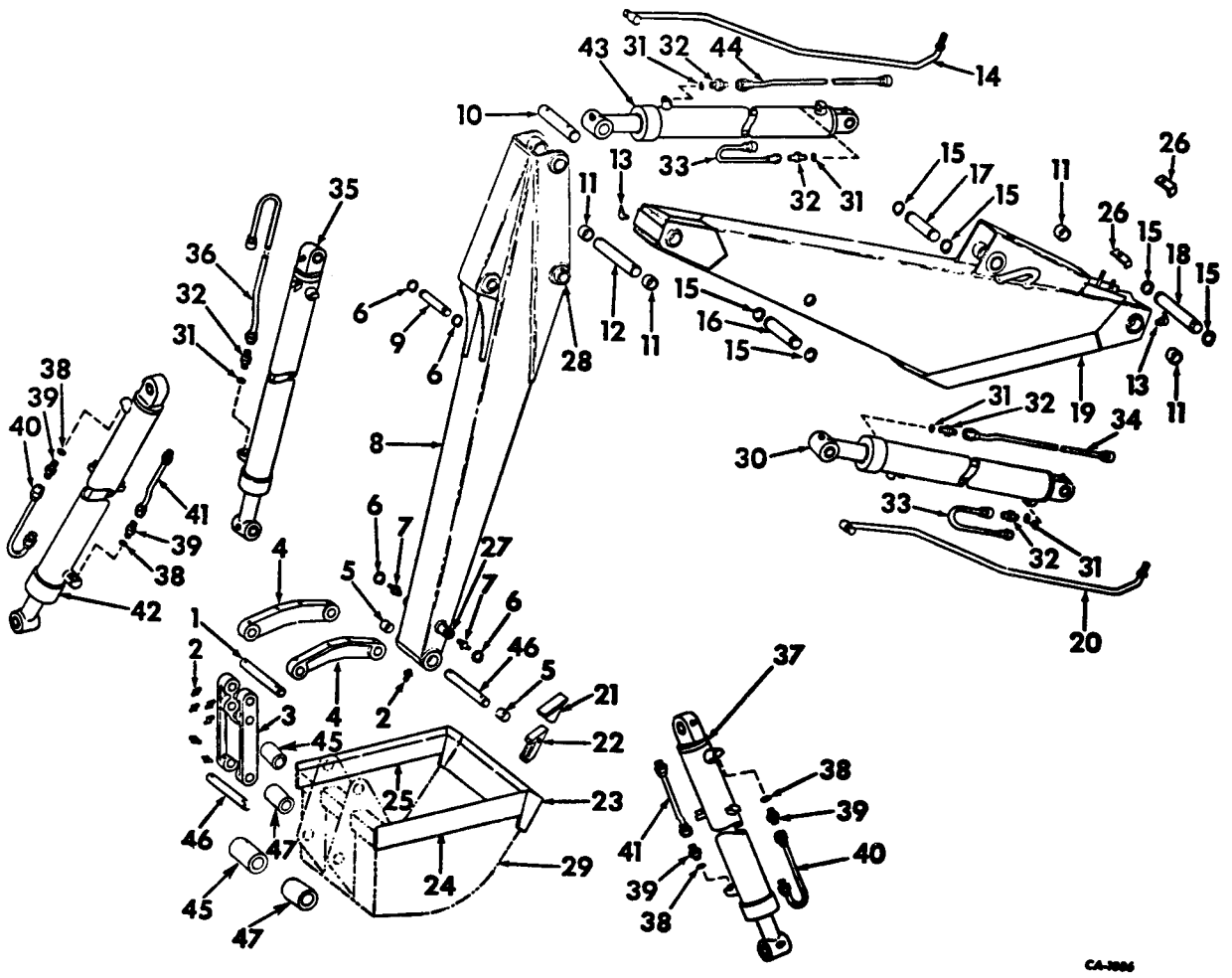
REF. NO.	PART NUMBER	DESCRIPTION
12	468 637 R1	PIN, STABILIZER TO CYL -2-
13	468 636 R1	PIN, STABILIZER TO PAD ASSY -2-
14	468 392 R11	PAD ASSY, STABILIZER TRENCHING -2-
15	471 402 R1	GUSSET, STABILIZER PIVOT TO MAIN FRAME -2-
16	492 570 R1	PIN, MAINFRAME LOCKING -2-
16	621 006 C1	PIN, QUICK ATTACHING LOCK -4-
17	469 103 R92	PAD ASSY, STABILIZER SOD LH
18	469 104 R92	PAD ASSY, STABILIZER SOD RH
	271 783	SCREW, 3/4-10 X 5 ZND HEX-HD CAP -8-
	21 101 R1	WASHER, .781 X 2.25 X 11 GA -6-
	220 016	NUT, 3/4-10 ZND HEX. -6-
19	544 015 R1	PAD ASSY, STREET -2-
	271 767	SCREW, 3/4-10 X 1-1/2 ZND HEX-HD CAP -8-
	131 046	WASHER, 3/4 ZND MED LOCK -8-
	220 086	NUT, 3/4-10 HEX. -8-

3141 SERIES A BACKHOE -4- SECTION H

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

BOOM, BUCKET, DIPPERSTICK, HYDRAULIC CYLINDERS & CONNECTIONS

BOOM, BUCKET, DIPPERSTICK, HYDRAULIC -CONTINUED CYLINDERS & CONNECTIONS



1	468 284 R3	PIN, REAR BUCKET LINK
	187 988	PIN, 3/16 X 1-1/4 C-Z COT. -4-
	472 712 R1	PIN, 1/2 X 3-9/16 STD-HD -4-
1	542 664 R1	PIN, CYL LINK -FOR USE W/13 IN. BUCKET-
	472 713 R1	PIN, 1/2 X 2-9/16 STD HD -2-
	187 988	PIN, 3/16 X 1-1/4 C-Z C/T. -2-
2	109 461	FITTING, 1/8-27 PTF STR LUB -7-
3	468 289 R1	LINK, REAR BUCKET
4	468 285 R2	LINK, FORWARD BUCKET LEFT
4	493 398 R1	LINK, FORWARD BUCKET RIGHT
	187 988	PIN, 3/16 X 1-1/4 C-Z COT. -2-
	472 712 R1	PIN, 1/2 X 3-9/16 STD-HD -2-
5	468 280 R1	BUSHING, LINK PIVOT -2-
6	468 283 R1	RING, BUCKET LINK PIVOT SHAFT EXT SNAP -4-
7	109 461	FITTING, 1/8-27 PTF STR LUB -2- -BUCKET LINK PIVOT SHAFT-
8	472 783 R94	DIPPERSTICK W/BUSHINGS, 14-1/2 FT BACKHOE
9	468 282 R1	PIN, BUCKET CYLINDER TO DIPPERSTICK
10	468 288 R1	PIN, DIPPERSTICK TO CROWD CYLINDER
	187 988	PIN, 3/16 X 1-1/4 C-Z COT. -2-
	472 714 R1	PIN, 1/2 X 3-3/8 STD-HD -2-
11	468 366 R1	BUSHING, BOOM PIVOT CARRIER -4-
12	468 287 R1	PIN, BOOM PIVOT
	187 988	PIN, 3/16 X 1-1/4 C-Z COT. -2-
	472 712 R1	PIN, 1/2 X 3-9/16 STD-HD -2-
	625 688 R1	WASHER, 2-1/32 X 3 X 16 GA -AS REQUIRED-
13	109 462	FITTING, 1/8-90 DEG ELBOW LUB -2- -BOOM PIVOT CARRIER-

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION
		BOOM, BUCKET, DIPPERSTICK, HYDRAULIC -CONTINUED CYLINDERS & CONNECTIONS
14	472 781 R11	TUBE ASSY, 14-1/2 FT BACKHOE BOOM LH
9	403 295	NUT, 7/8-14 C-Z BULKHEAD UNION LOCK -2-
9	403 298	NUT, 1-5/16-12 C-Z BULKHEAD UNION LOCK -2-
	138 566	WASHER, 7/8 C-Z INTERNAL TOOTH LOCK -2-
	471 961 R1	WASHER, 1-5/16 C-Z INTERNAL TOOTH LOCK -2-
15	468 371 R1	RING, EXTERNAL RETAINING -6-
16	468 367 R1	PIN, BOOM CYLINDER UPPER
17	468 369 R1	PIN, SHROUD
18	468 368 R1	PIN, BOOM TO SWING MECHANISM
	625 688 R1	WASHER, 2-1/32 X 3 X 16 GA -AS REQUIRED-
19	472 778 R93	BOOM W/BUSHINGS 14-1/2 FT BACKHOE
	120 376	NUT, 5/16-18 C-Z HEX. -2-
20	472 782 R11	TUBE ASSY, 14-1/2 FT BACKHOE BOOM RH
9	403 295	NUT, 7/8-14 C-Z BULKHEAD UNION LOCK -2-
9	403 298	NUT, 1-5/16-12 C-Z BULKHEAD UNION LOCK -2-
	138 566	WASHER, 7/8 C-Z INT-TOOTH LOCK -2-
	471 961 R1	WASHER, 1-5/16 C-Z INT-TOOTH LOCK -2-
21	468 733 R1	TOOTH, POINT -3 USED FOR 13 IN. AND 18 IN. BELLHOLE, 4 USED FOR 16, 18 AND 20 UN., 5 USED FOR 22, 24 STD, BELLHOLE, HIGH CAPACITY, 26 IN., 6 USED FOR 28, 30 AND 32 IN. AND 7 USED FOR 34 AND 36 IN. BUCKET-
21	485 353 R1	POINT, TOOTH -HEAVY DUTY -4 USED FOR 16, 18 STD AND MOLES PAW, 20 AND 24 IN. MOLES PAW, 5 USED FOR 22, 24 STD, BELLHOLE HIGH CAPACITY AND 26 IN., 6 USED FOR 28, 30 AND 32 IN., 7 USED FOR 34 AND 36 IN.-
21	470 242 R1	TOOTH, POINT -SPECIAL FOR MOLES PAW TYPE BUCKET- -4 USED FOR 18 IN. AND 24 IM.-
21	532 948 R1	POINT, TOOTH
	486 914 R1	PIN, TOOTH LOCKPIN -4 USED 24 IN. HEAVY DUTY BUCKET- -5 USED 30 IN. HEAVY DUTY BUCKET AND 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET- -6 USED 36 IN. HEAVY DUTY BUCKET-
21	486 433 R1	POINT, TOOTH -4- -FOR 18 AND 24 IN. MOLES PAW BUCKET-
21	540 085 R1	POINT, LONG ROCK -4- -FOR 24, 30 & 36 IN. HEAVY DUTY BUCKET-
21	540 087 R1	POINT, BREAKER -FROST BREAKER-
	540 088 R1	FLEX PIN, POINT
	23 173 R1	PIN, 1/2 X 2.750 C-Z STD HD -4-
21	544 872 R1	POINT, WIDE TOOTH -4 USED 24 IN. HEAVY DUTY BUCKET- -5 USED 30 IN. HEAVY DUTY BUCKET AND 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET- -6 USED 36 IN. HEAVY DUTY BUCKET-
21	544 873 R1	POINT, WIDE TOOTH -4 USED FOR 16, 18 STD AND MOLES PAW, 20 AND 24 IN. MOLES PAW, 5 USED FOR 22, 24 STD, BELLHOLE HIGH CAPACITY AND 26 IN., 6 USED FOR 28, 30 AND 32 IN., 7 USED FOR 34 AND 36 IN.-

-5- SECTION H
3141 SERIES A BACKHOE
BKH-1

REF. NO.	PART NUMBER	DESCRIPTION
		BOOM, BUCKET, DIPPERSTICK, HYDRAULIC -CONTINUED CYLINDERS & CONNECTIONS
22	468 314 R1	SHANK, TOOTH -3 USED FOR 13 IN. AND 18 IN. BELLHOLE, 4 USED FOR 16, 18 AND 20 UN., 5 USED FOR 22, 24 STD, BELLHOLE, HIGH CAPACITY, 26 IN., 6 USED FOR 28, 30 AND 32 IN. AND 7 USED FOR 34 AND 36 IN. BUCKET-
22	471 547 R1	SHANK, POINT - SPECIAL FOR MOLES PAW TYPE BUCKET- -4 USED FOR 18 IN. AND 24 IM.-
22	547 182 R1	SHANK, TOOTH -4 USED 24 IN. HEAVY DUTY BUCKET- -5 USED 30 IN. HEAVY DUTY BUCKET AND 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET- -6 USED 36 IN. HEAVY DUTY BUCKET-
23	468 764 R1	BLADE, FRONT CUTTING -FOR 12 IN. BUCKET-
23	483 615 R1	BLADE, FRONT CUTTING -FOR 16 IN. BUCKET-
23	468 758 R1	BLADE, FRONT CUTTING -FOR 18 IN. BUCKET-
23	480 804 R1	BLADE, FRONT CUTTING -FOR 18 IN. BELL-HOLE BUCKET-
23	483 621 R1	BLADE, FRONT CUTTING -FOR 20 IN. BUCKET-
23	483 627 R1	BLADE, FRONT CUTTING -FOR 22 IN. BUCKET-
23	468 310 R1	BLADE, FRONT CUTTING -FOR 24 IN. BUCKET-
23	486 919 R1	BLADE, FRONT CUTTING -FOR 24 IN. HIGH CAPACITY HEAVY DUTY AND HEAVY DUTY BUCKET-
23	480 805 R1	BLADE, FRONT CUTTING -FOR 24 IN. BELL-HOLE BUCKET-
23	483 633 R1	BLADE, FRONT CUTTING -FOR 26 IN. BUCKET-
23	483 639 R1	BLADE, FRONT CUTTING -FOR 28 IN. BUCKET-
23	472 975 R1	BLADE, FRONT CUTTING -FOR 30 IN. BUCKET-
23	486 928 R1	BLADE, FRONT CUTTING -FOR 30 IN. HEAVY DUTY BUCKET-
23	483 651 R1	BLADE, FRONT CUTTING -FOR 32 IN. BUCKET-
23	483 657 R1	BLADE, FRONT CUTTING -FOR 34 IN. BUCKET-
23	468 770 R1	BLADE, FRONT CUTTING -FOR 36 IN. BUCKET-
23	480 590 R1	BLADE, FRONT CUTTING -FOR 36 IN. TRENCHING BUCKET-
23	486 933 R1	BLADE, FRONT CUTTING -FOR 36 IN. HEAVY DUTY BUCKET-
24	468 313 R1	BAR, RIGHT SIDE CUTTING -FOR 16, 18, 20, 22, 24, 26, 28, 30, 32, 34 AND 36 IN. BUCKET-
24	486 922 R1	BAR, RIGHT SIDE CUTTING -FOR 24, 30, AND 36 IN. HEAVY DUTY BUCKET-
24	490 096 R1	BAR, RIGHT SIDE CUTTING -FOR 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET-

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REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		BOOM, BUCKET, DIPPERSTICK, HYDRAULIC -CONTINUED CYLINDERS & CONNECTIONS	
25	468 312 R1	BAR, LEFT SIDE CUTTING -FOR 16, 18, 20, 22, 24, 26, 28, 30, 32, 34 AND 36 IN. BUCKET-	
25	486 921 R1	BAR, LEFT SIDE CUTTING -FOR 24, 30 AND 36 IN. HEAVY DUTY BUCKET-	
25	490 095 R1	BAR, LEFT SIDE CUTTING -FOR 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET-	
26	486 477 R1	CLAMP, HYD. TUBE -2-	
27	468 281 R1	SHAFT, BUCKET LINK PIVOT	
28	468 277 R1	BOSS, BOOM TO DIPPERSTICK -2- -ALSO PART OF DIPPERSTICK ASSY-	
29		BUCKET -SERVICED ONLY AS A MACHINE ATTACHMENT-	
30	385 616 R92	CYLINDER ASSY, 4 X 33.75 -FOR LIFT- -DOUBLE ACTION- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
31	364 885 R1	O-RING, 5/8 OD TUBE -5-	
32	9 410 204	CONNECTOR, 7/8-14 37 DEG FLARED SHORT SWIVEL -FOR 5/8 TUBE- -5-	
33	481 694 R11	TUBE ASSY, CROWD AND LIFT CYLINDER HEAD END -2-	
34	481 693 R11	TUBE ASSY, LIFT CYLINDER ROD END	
35	385 609 R93	CYLINDER ASSY, 3-1/2 X 27 -FOR BUCKET- -DOUBLE ACTION- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
36	474 284 R11	TUBE ASSY, BUCKET CYLINDER RETURN	
37	385 613 R92	CYLINDER ASSY, 3-1/2 X 18.19 -FOR RIGHT STABILIZER- -DOUBLE ACTION- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
38	570 828 R1	O-RING, 1/2 OD TUBE -4-	
39	9 410 203	CONNECTOR, 3/4-16 37 DEG FLARED SHORT SWIVEL -4-	
40	474 285 R11	TUBE ASSY, STABILIZER CYLINDER FRONT -2-	
41	474 286 R11	TUBE ASSY, STABILIZER CYLINDER REAR -2-	
42	385 612 R92	CYLINDER ASSY, 3-1/2 X 18.19 -FOR LEFT STABILIZER- -DOUBLE ACTION- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
43	385 620 R92	CYLINDER ASSY, 4 X 39.5 -FOR CROWD- -DOUBLE ACTION- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
44	481 692 R11	TUBE ASSY, CROWD CYLINDER ROD END	
45	547 132 R1	BOSS, BUCKET PIVOT -2-	
45	468 316 R1	BOSS, PIVOT BRACKET -4- -FOR USE W/13 IN. BUCKET-	
46	544 774 R1	PIN ASSY, CYL LINK -2-	
	192 392	PIN, 3/8 X 2-1/2 GROOVE PRESS FIT -2-	
	472 713 R1	PIN, 1/2 X 2-9/16 STD-HD -2-	
	103 407	PIN, 3/16 X 1 COT. -2-	
47	547 133 R1	BOSS, NOTCHED -2-	

3141 SERIES A BACKHOE -6- SECTION H

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		BOOM, BUCKET, DIPPERSTICK, HYDRAULIC -CONTINUED CYLINDERS & CONNECTIONS	
47	469 663 R1	BOSS, BUCKET PIVOT -2- -FOR USE W/13 IN. BUCKET-	

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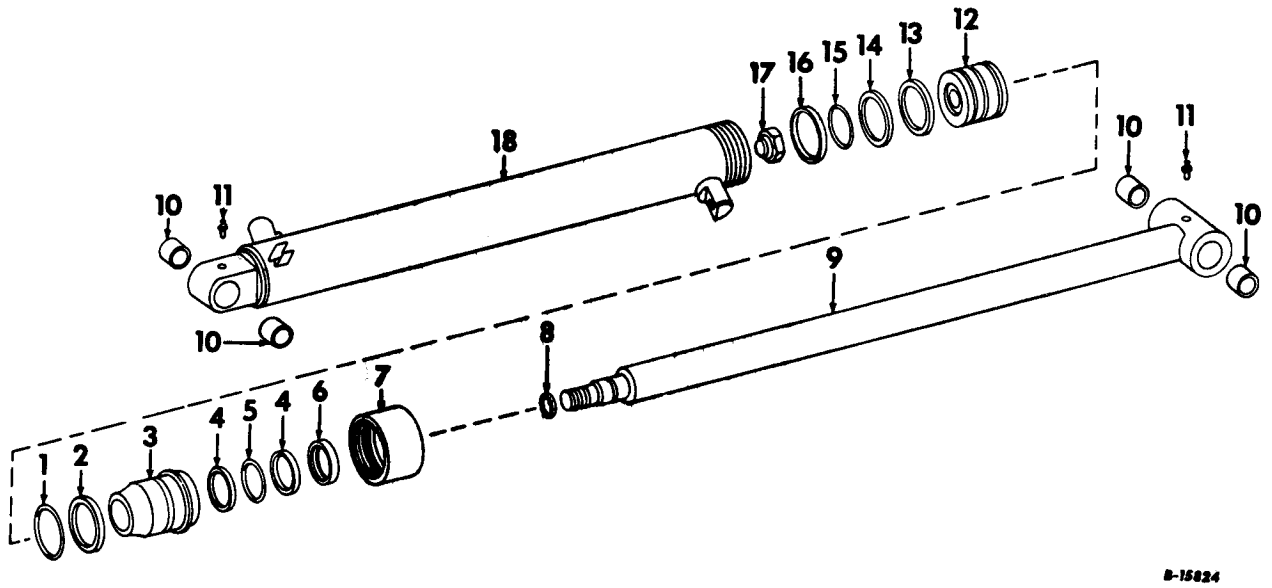
HYDRAULIC CYLINDERS

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	385 612 R92	CYLINDER ASSY, 3-1/2 X 18.19 -FOR LEFT STABILIZER- -DOUBLE ACTION- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT A-	
	385 613 R92	CYLINDER ASSY, 3-1/2 X 18.19 -FOR RIGHT STABILIZER- -DOUBLE ACTION- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT B-	
	385 616 R92	CYLINDER ASSY, 4 X 33.75 -FOR LIFT- -DOUBLE ACTION- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT C-	
	385 609 R93	CYLINDER ASSY, 3-1/2 X 27 -FOR BUCKET- -DOUBLE ACTION- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT D-	
	385 620 R92	CYLINDER ASSY, 4 X 39.5 -FOR CROWD- -DOUBLE ACTION- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT E-	
1	352 216 R1	O-RING, 3/1/8 X 3-1/2 X 3/16 -FRONT HEAD- -UNIT A, B AND D-	
1	347 801 R1	O-RING, 3/5/8 X 4 X 3/16 -FRONT HEAD- UNIT C AND E-	
2	381 088 R1	WASHER, FRONT HEAD BACK-UP -UNIT A, B AND D-	
2	381 107 R1	WASHER, FRONT HEAD BACK-UP -UNIT C & E-	
3	381 080 R1	HEAD, FRONT -UNIT A, B AND D-	
3	381 106 R1	HEAD, FRONT -UNIT C AND E-	
4	381 083 R2	WASHER, PISTON ROD BACK-UP -2- -UNIT A, B, C, D AND E-	
5	398 978 R1	QUAD RING, PISTON ROD -UNIT A, B, C, D AND E-	

HYDRAULIC CYLINDERS -CONTINUED



REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
6	619 072 C91	WIPER, PISTON ROD -UNIT A, B, C, D AND E-	
7	381 089 R1	RING, FRONT HEAD RETAINING -UNIT A, B AND D-	
7	381 111 R1	RING, FRONT HEAD RETAINING -UNIT C & E-	
8	252 483 R1	O-RING, 1-1/4 X 1-1/2 X 1/8 -PISTON ROD- -UNIT A, B AND D-	
8	293 739 R1	O-RING, 1-3/8 X 1-5/8 X 1/8 -PISTON ROD- -UNIT C AND E-	
9	381 097 R31	ROD W/BUSHING, PISTON -UNIT A AND B-	
9	384 254 R21	ROD W/BUSHING, PISTON -UNIT C-	
9	381 078 R31	ROD W/BUSHING, PISTON -UNIT D-	
9	384 816 R21	ROD W/BUSHING, PISTON -UNIT E-	
10	468 280 R1	BUSHING -UNIT A, B AND D- -4-	
10	468 366 R1	BUSHING -UNIT C & E- -4-	
11	109 461	FITTING, 1/8-27 PTF STR LUB -2 FOR UNIT A, B & F- -1 FOR UNIT C, D & E-	
11	271 283	FITTING, 1/8-27 PTF 45 DEG ANGLE LUB -1 FOR UNIT C & D-	
11	126 152	FITTING, 1/8-27 PTF 45 DEG ANGLE LUB -UNIT E-	
12	381 084 R2	PISTON -UNIT A, B AND D-	
12	384 255 R1	PISTON -UNIT C AND E-	
13	383 005 R1	RING, PISTON BEARING -FRONT -UNIT A, B AND D-	
13	383 006 R1	RING, PISTON BEARING - FRONT -UNIT C AND E-	
14	381 086 R1	SEAL, PISTON -UNIT A, B AND D-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	HYDRAULIC CYLINDERS -CONTINUED		
14	381 110 R1	SEAL, PISTON -UNIT C AND E-	
15	380 910 R1	O-RING, 3 X 3-3/16 X 3/32 -PISTON SEAL- -UNIT A, B AND D-	
15	381 109 R1	O-RING, 3-1/2 X 3-11/16 X 3/32 -PISTON SEAL -UNIT C AND E-	
16	383 005 R1	RING, PISTON BEARING REAR -UNIT A, B AND D-	
16	383 006 R1	RING, PISTON BEARING REAR -UNIT C AND E-	
17	20 251 R1	NUT, 1-1/8-12 C-Z CONELOK -UNIT A, B AND D-	
17	20 769 R1	NUT, 1-1/2 UNF C-Z LOCK -UNIT C AND E-	
18	385 614 R91	CYLINDER W/BUSHING, HYD LH -UNIT A-	
18	385 615 R91	CYLINDER W/BUSHING, HYD RH -UNIT B-	
18	385 617 R91	CYLINDER W/BUSHING, HYD -UNIT C-	
18	385 610 R91	CYLINDER W/BUSHING, HYD -UNIT D-	
18	385 621 R91	CYLINDER W/BUSHING, HYD -UNIT E-	
	471 267 R94	PACKAGE, HYD CYL SERVICE -UNIT A, B AND D-	
		CONSISTS OF -	
		1 O-RING 252 483 R1	
		1 O-RING 352 216 R1	
		1 O-RING 380 910 R1	
		1 QUAD-RING 398 978 R1	
		2 RING 383 005 R1	
		1 SEAL 381 086 R1	
		2 WASHER 381 083 R2	
		1 WASHER 381 088 R1	
		1 WIPER 619 072 C91	
	471 266 R95	PACKAGE, HYD CYL SERVICE -UNIT C AND E-	
		CONSISTS OF-	
		1 O-RING 252 483 R1	
		1 O-RING 347 801 R1	
		1 QUAD-RING 398 978 R1	
		1 O-RING 381 109 R1	
		1 O-RING 293 739 R1	
		2 RING 383 006 R91	
		1 SEAL 381 110 R1	
		2 WASHER 381 083 R2	
		1 WASHER 381 107 R1	
		1 WIPER 619 072 C91	

-8- SECTION H
3141 SERIES A BACKHOE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

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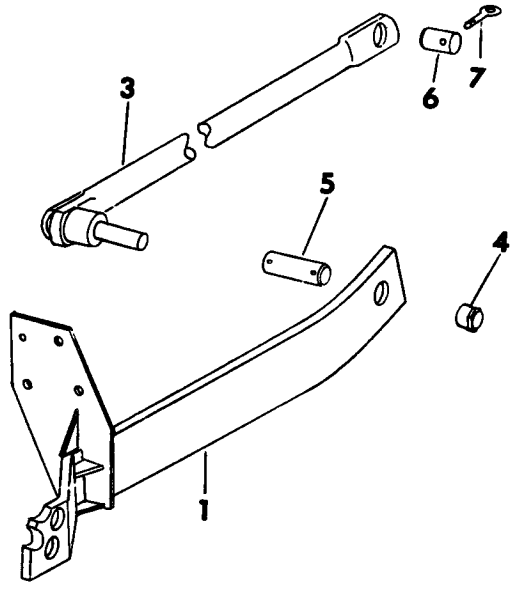
REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION

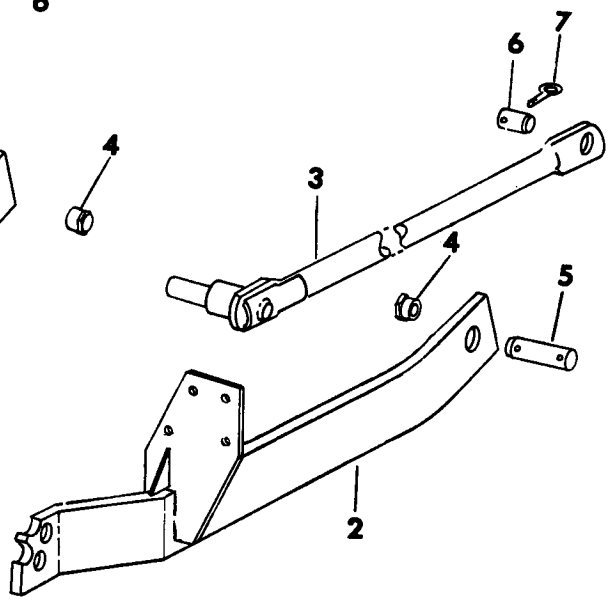
SUBFRAME



-9- SECTION H
3141 SERIES A BACKHOE
BKH-1

REF. NO.	PART NUMBER	DESCRIPTION

SUBFRAME -CONTINUED



CA-1888

1	546 108 R1	SUBFRAME ASSY, LH	
2	546 109 R1	SUBFRAME ASSY, RH	
3	546 117 R1	SUPPORT ASSY, MAINFRAME UPPER -2-	
4	469 189 R1	CAM, MOUNTING -2-	
5	546 121 R1	PIN, FRONT SUBFRAME MOUNTING -2-	
	22 872 R1	WASHER, 1-17/32 X 2-1/2 X 11 GA -4-	
	137 303	PIN, 1/4 X 2-1/4 ZND COT. -4-	
6	546 122 R1	PIN, MAINFRAME SUPPORT -2-	
7	544 611 R1	ROD EYE, BAR PIN STRAIGHT -2-	
	180 021	SCREW, 1/4-20 X 7/8 ZND HEX-HD CAP -2-	
	19 827 R1	SCREW, 5/8-11 X 8 ZND HEX-HD CAP -8-	
	124 589	NUT, 5/8-11 ZND HEX. -8-	
	121 574	WASHER, 5/8 ZND MED LOCK -8-	

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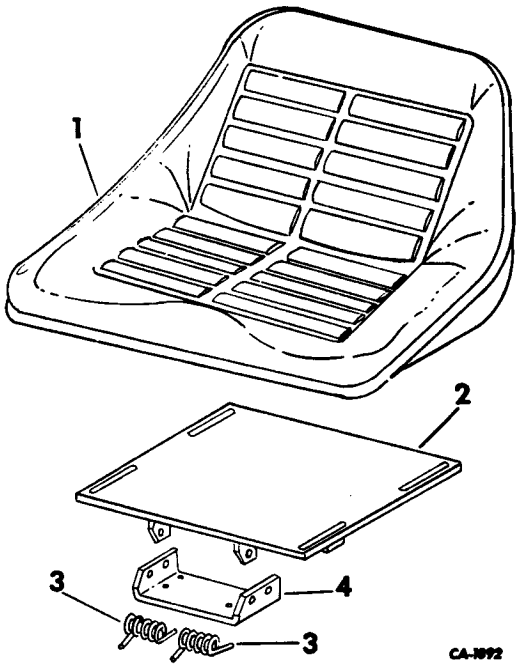
REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SEAT AND SEAT SUPPORT



1	528 844 R1		SEAT ASSY
	180 078		SCREW, 5/16-18 X 7/8 ZND HEX-HD CAP -4-
	120 393		WASHER, 11/32 X 11/16 X .065 ZND -8-
	120 214		WASHER, 5/16 ZND MED LOCK -4-
2	546 647 R1		SUPPORT ASSY, SEAT
Q	671		PIN, 3/8 X 5.750 STD HD
3	15 068 EB		SPRING, SEAT TORSION -2-
	120 394		WASHER, 13/32 X 13/16 X .051
	103 384		PIN, 1/8 X 3/4 COT.
4	477 567 R1		BRACKET, SEAT
	180 081		SCREW, 5/16-18 X 1-1/4 ZND HEX-HD CAP -4-
	120 214		WASHER, 5/16 ZND MED LOCK -4-
	120 376		NUT, 5/16-18 ZND HEX. -4-

3141 SERIES A BACKHOE -10- SECTION H

REF. NO. PART NUMBER DESCRIPTION BKH-1

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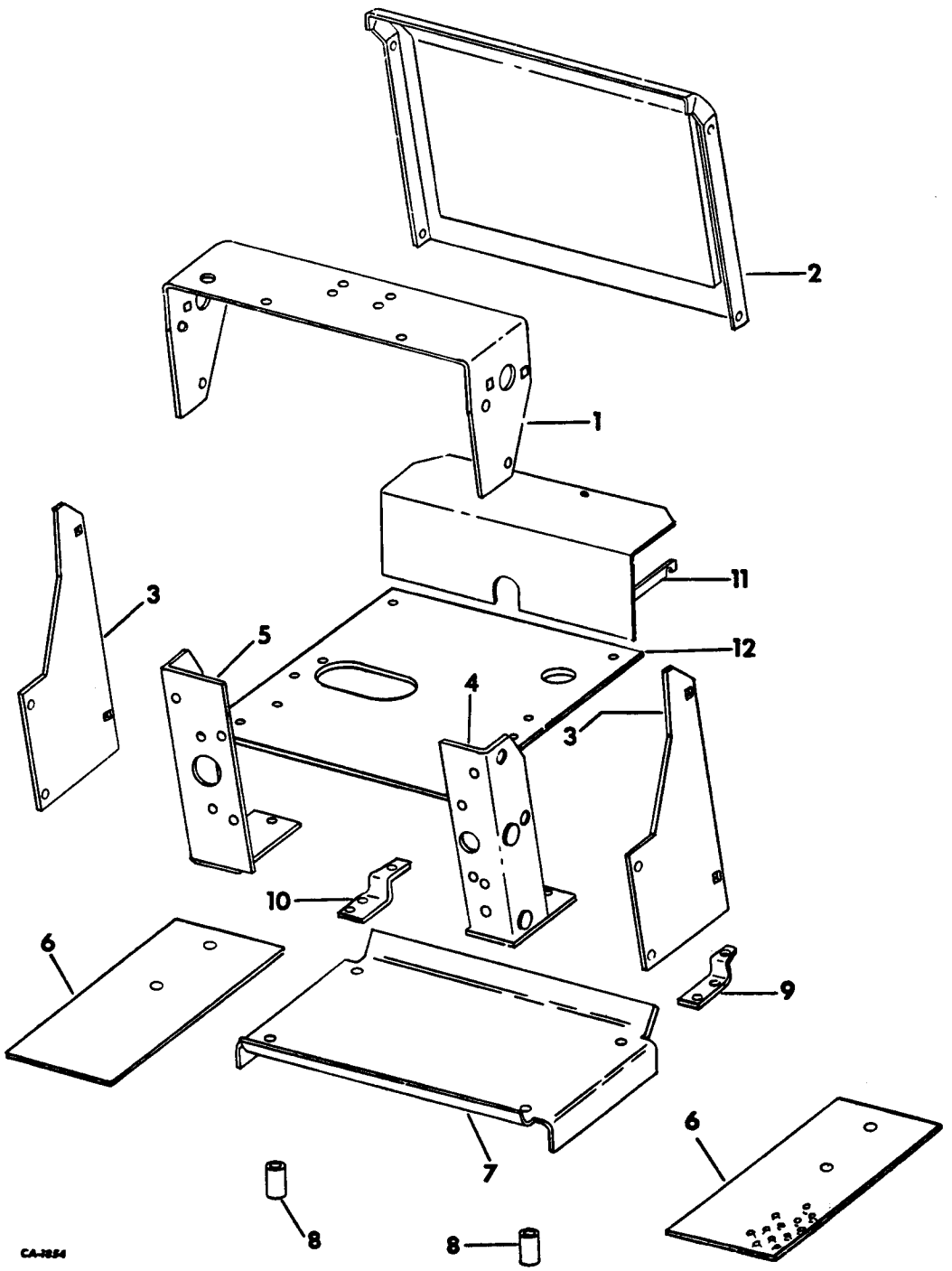
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

CONSOLE, SEAT SUPPORT AND FLOOR PLATES



3141 SERIES A BACKHOE -11- SECTION H

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

CONSOLE, SEAT SUPPORT AND FLOOR PLATES -CONTINUED

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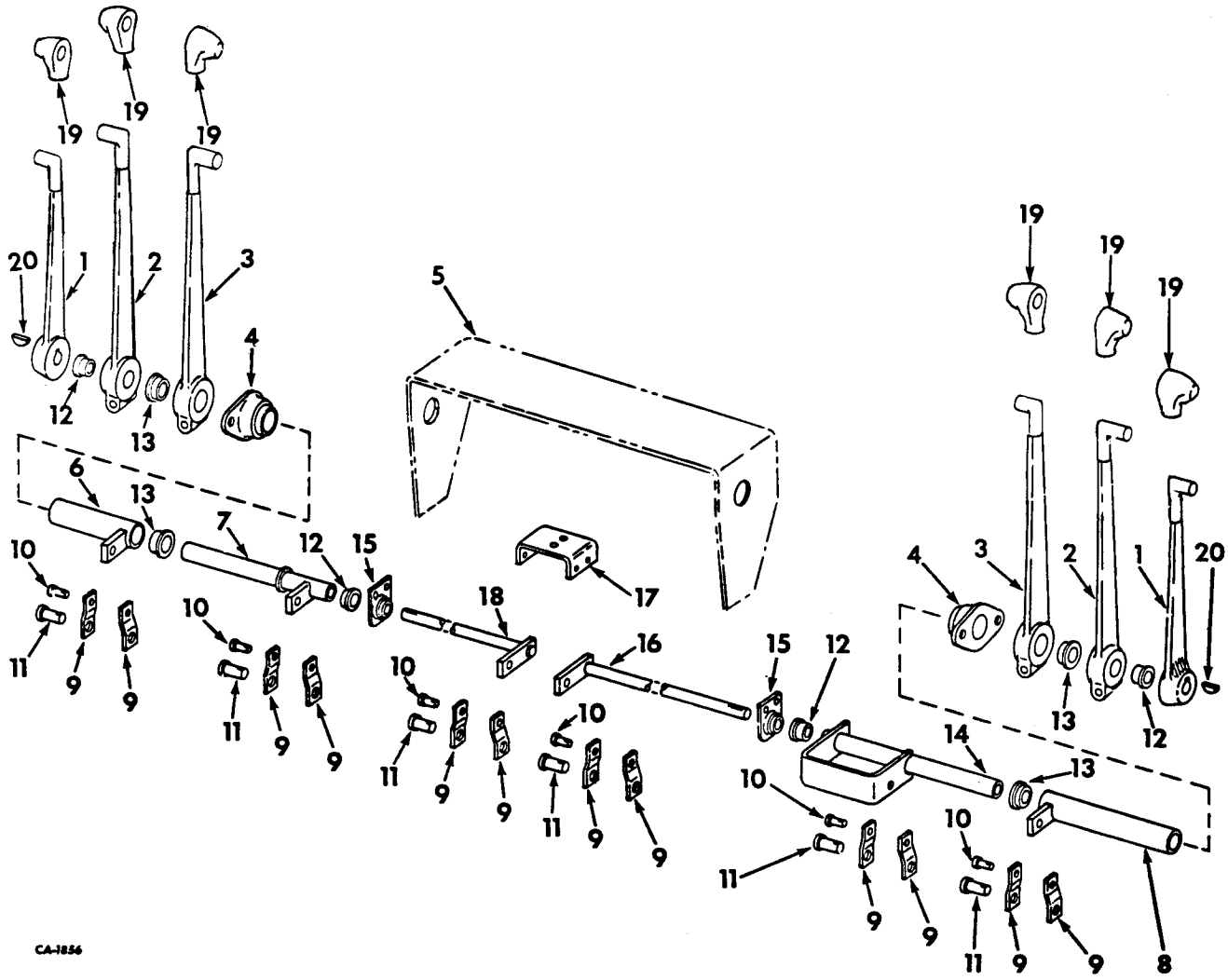
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		CONSOLE, SEAT SUPPORT AND FLOOR PLATES -CONTINUED	
1	481 663 R1	SUPPORT, SEAT	
	180 173	SCREW, 1/2-13 X 1 ZND HEX-HD CAP -4-	
	120 384	WASHER, 1/2 ZND MED LOCK -4-	
2	481 686 R1	SHROUD, CONTROL FRT	
3	481 685 R1	SHROUD, CONTROL SIDE -2-	
	180 073	SCREW, 5/16-18 X 1/2 ZND HEX-HD CAP -4-	
	459 063 R1	RETAINER, 5/16 SPEED GRIP NUT -4-	
	180 120	SCREW, 3/8-16 X 3/4 ZND HEX-HD CAP -4-	
	120 382	WASHER, 3/8 ZND MED LOCK -4-	
4	481 658 R93	BRACKET ASSY, VALVE SUPPORT LH	
	180 124	SCREW, 3/8-16 X 1-1/4 ZND HEX-HD CAP	
	120 382	WASHER, 3/8 ZND MED LOCK -2-	
	120 377	NUT, 3/8-16 ZND HEX. -2-	
5	481 659 R93	BRACKET ASSY, VALVE SUPPORT RH	
	180 124	SCREW, 3/8-16 X 1-1/4 ZND HEX-HD CAP -2-	
	120 382	WASHER, 3/8 ZND MED LOCK -2-	
	120 377	NUT, 3/8-16 ZND HEX. -2-	
6	492 598 R1	STRIP, SIDE FLOOR PLATE -2-	
	180 122	SCREW, 3/8-16 X 1 ZND HEX-HD CAP -4-	
	120 382	WASHER, 3/8 ZND MED LOCK -4-	
	120 377	NUT, 3/8-16 ZND HEX. -4-	
7	481 687 R2	COVER, FLOOR	
8	615 860 R1	SPACER, .406 X .875 X 1.781 -2-	
	189 304	SCREW, 3/8-16 X 3-1/4 ZND HEX-HD CAP -2-	
	120 377	NUT, 3/8-16 ZND HEX. -2-	
9	546 306 R1	BRACKET, FLOORPLATE LH	
10	545 765 R1	BRACKET, FLOORPLATE RH	
	180 122	SCREW, 3/8-16 X 1 ZND HEX-HD CAP -6-	
	120 377	NUT, 3/8-16 ZND HEX. -6-	
	120 382	WASHER, 3/8 ZND MED LOCK -6-	
11	547 344 R1	COVER ASSY, CONSOLE REAR	
	172 427	SCREW, 1/4-20 X 1/2 ZND HEX-HD TAP. -2-	
	120 392	WASHER, 9/32 X 5/8 X .065 ZND -2-	
12	546 305 R1	PLATE, CONSOLE SUPPORT	
	180 126	SCREW, 3/8-16 X 1-1/2 ZND HEX-HD CAP -4-	
	120 382	WASHER, 3/8 ZND MED LOCK -4-	
	120 377	NUT, 3/8-16 ZND HEX. -4-	

3141 SERIES A BACKHOE -12- SECTION H

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

HYDRAULIC CONTROLS



REF. NO.	PART NUMBER	DESCRIPTION
1	544 959 R1	HANDLE, STABILIZER CONTROL -2-
	431 662	SCREW, 3/8-16 X 3/4 C-Z -2- HEX-SOC-HD CUP-PT SET
2	544 958 R1	HANDLE, CROWD AND SWING CONTROL -2-
	180 132	SCREW, 3/8-16 X 2-1/4 ZND HEX-HD CAP -2-
	120 374	NUT, 3/8-16 SQ -2-
3	544 957 R1	HANDLE, BUCKET & LIFT CONTROL -2-
	180 132	SCREW, 3/8-16 X 2-1/4 ZND HEX-HD CAP -2-
	120 374	NUT, 3/8-16 ZND SQ. -2-
4	608 879 R91	BEARING ASSY -2-
5		SUPPORT, SEAT -REFER TO CONSOLE, SEAT SUPPORT AND FLOOR PLATES LISTING-
6	481 670 R91	SHAFT ASSY, LIFT CONTROL
7	481 675 R91	SHAFT ASSY, CROWD CONTROL

HYDRAULIC CONTROLS -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
8	481 667 R91	SHAFT ASSY, BUCKET CONTROL
9	481 684 R1	LINK, CONTROL VALVE -12-
10	8 92 1/2	PIN, 3/8 X 7/8 STD HD -6-
	12 235 R1	PIN, 1/8 X 5/8 C-Z COT. -6-
11	Q 1 332	PIN, 1/2 X 1-1/8 STD HD -6-
	108 632	PIN, 3/16 X 7/8 COT. -6- -2-
12	307 920 R1	BEARING -4-
13	477 554 R1	BEARING, CENTER CONTROL -4-
14	481 672 R92	SHAFT ASSY, SWING CONTROL
15	481 683 R91	BEARING, SELF-ALIGNING -2-
	180 020	SCREW, 1/4-20 X 3/4 ZND HEX-HD CAP -4-
	120 380	WASHER, 1/4 ZND MED LOCK -4-
	120 375	NUT, 1/4-20 ZND HEX. -4-
16	481 680 R91	SHAFT ASSY, RH STABILIZER CONTROL

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONTROLS -CONTINUED	
17	481 664 R1	BRACKET, BRG SUPPORT	
	17 351 R1	BOLT, 3/8-16 X 1 ZND SQ-NK CRG -4-	
	120 382	WASHER, 3/8 ZND MED LOCK -4-	
	120 377	NUT, 3/8 ZND HEX. -4-	
18	481 679 R91	SHAFT ASSY, LH STABILIZER CONTROL	
19	379 022 R2	KNOB, HYD VALVE LEVER -6-	
20	106 751	KEY, 3/16 X 3/4 WOODRUFF -2-	

-14- SECTION H
3141 SERIES A BACKHOE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

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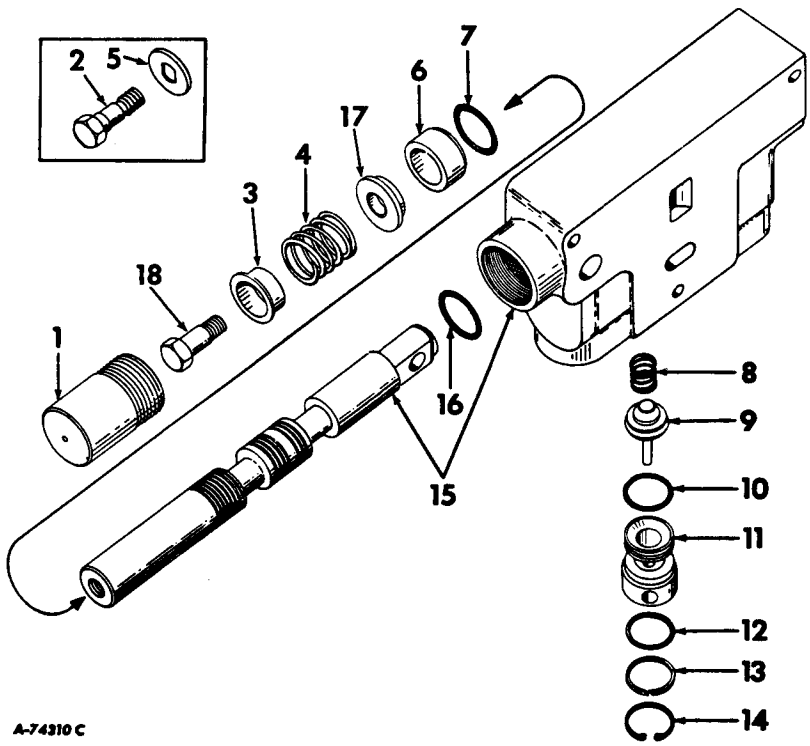
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONTROL VALVES
-THREE POSITION SPRING CENTERED-



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	383 270 R94	VALVE ASSY, HYDRAULIC CONTROL	
	383 271 R95	VALVE ASSY, HYDRAULIC CONTROL	
	394 705 R95	VALVE ASSY, HYDRAULIC CONTROL	
1	395 782 R2	CAP, CENTERING SPRING	
2		NOT USED IN THIS APPLICATION	
3	376 423 R1	RETAINER, CENTERING SPRING	
4	384 381 R1	SPRING, CENTERING	
5		NOT USED IN THIS APPLICATION	
6	395 781 R3	RETAINER, VALVE SPOOL O-RING	
7	528 249 R1	O-RING, 7/8 X 1-1/16 X 3/32 -CONTROL VALVE SPOOL LOWER-	
8	395 278 R1	SPRING, CHECK POPPET	
9	395 277 R1	POPPET, W/SEAL CHECK	
10	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32 -CHECK BALL RETAINER INNER-	
11	383 280 R1	RETAINER, CHECK BALL	
12	362 796 R1	O-RING, 15/16 X 1-1/8 X 3/32 -CHECK BALL RETAINER OUTER-	
13	376 433 R1	WASHER, VALVE BODY PLUG O-RING BACK-UP	
14	537 603 R1	RING, CHECK BALL RETAINER SNAP	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONTROL VALVES -CONTINUED
-THREE POSITION SPRING CENTERED-

15		BODY ASSY, CONTROL VALVE -NOT SERVICED SEPARATELY, ORDER VALVE ASSY-
16	406 181 R1	O-RING, 7/8 X 1-1/8 X 1/8 -CONTROL VALVE SPOOL UPPER
17	406 825 R1	RETAINER, CENTERING SPRING
18	395 950 R1	SCREW, CENTERING SPRING
	383 548 R92	PACKAGE, OPEN CENTER CONTROL VALVE CONSISTS OF-

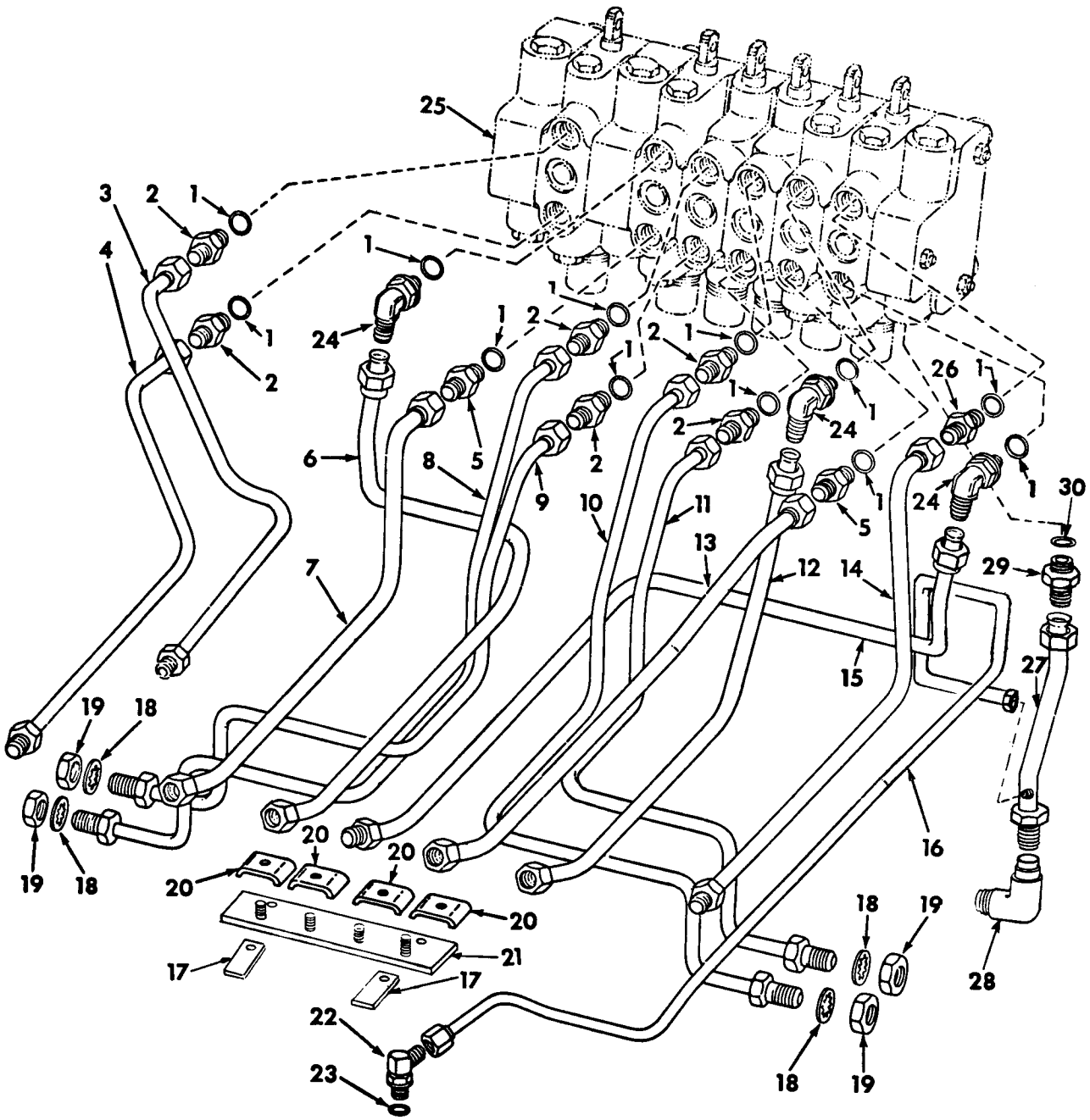
1	O-RING	406 181 R1
1	O-RING	528 249 R1
1	O-RING	359 158 R1
1	O-RING	$377 805 R1
1	O-RING	362 796 R1
1	O-RING	364 879 R1
1	PISTON, UNLATCHING	396 582 R1
1	POPPET ASSY	395 277 R1
1	RETAINER	382 852 R1
1	RETAINER	383 280 R1
1	RING, SNAP	228 275 R1
1	SPRING	395 278 R1
1	WASHER	376 433 R1

3141 SERIES A BACKHOE -16- SECTION H

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC TUBING AND CONNECTIONS

HYDRAULIC TUBING AND CONNECTIONS -CONTINUED



REF. NO.	PART NUMBER	DESCRIPTION
1	364 885 R1	O-RING, 5/8 TUBE -6-
2	481 352 R1	UNION, 7/8-14 TO 3/4-16 C-Z HYD FLARED SHORT SWIVEL REDUCER -6-
3	481 647 R21	TUBE, TOP PORT SWING CYL
4	481 648 R21	TUBE, BOTTOM PORT SWING CYL
5	9 410 204	UNION, 7/8-14 37 DEG C-Z HYD FLARED -2-
6	486 020 R2	TUBE, TOP PORT BUCKET CYL
7	481 642 R21	TUBE, BOTTOM PORT BUCKET CYL

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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC TUBING AND CONNECTIONS -CONTINUED	
8	481 652 R21	TUBE, TOP PORT RH STABILIZER	
9	481 655 R21	TUBE, BOTTOM PORT RH STABILIZER	
10	481 649 R21	TUBE, TOP PORT LH STABILIZER	
11	481 651 R21	TUBE, BOTTOM PORT LH STABILIZER	
12	486 021 R2	TUBE, TOP PORT DIPPERSTICK CYL	
13	481 646 R21	TUBE, BOTTOM PORT DIPPERSTICK CYL	
14	481 643 R21	TUBE, TOP PORT BOOM CYL	
15	486 019 R2	TUBE, BOTTOM PORT BOOM CYL	
16	546 236 R1	TUBE ASSY, SWING MECHANISM DRAIN	
17	545 766 R1	SPACER, HYD LINE CLAMP -2-	
18	138 561	WASHER, 3/4 C-Z INT-TOOTH LOCK -4-	
19	9 403 294	NUT, 3/4-16 C-Z BULKHEAD UNION LOCK -4-	
20	486 004 R1	CLAMP, TUBE -4-	
	180 128	SCREW, 3/8-16 X 1-3/4 ZND HEX-HD CAP -2-	
	120 382	WASHER, 3/8 ZND MED LOCK -6-	
	120 377	NUT, 3/8-16 ZND HEX. -6-	
21	492 612 R1	STRAP ASSY, HYD LINE CLAMP	
22	9 410 976	ELBOW, 9/16-18 37 DEG C-Z HYD FLARED TUBE ADJUSTABLE STR-THD 90 DEG	
23	364 839 R1	O-RING, 3/8 TUBE -3-	
24	9 410 978	ELBOW, 7/8-14 37 DEG C-Z HYD FLARED TUBE ADJUSTABLE STR-THD 90 DEG -3-	
25		VALVE BANK -REFER TO HYDRAULIC CONTROL VALVES LISTING-	
26	397 699 R1	UNION ASSY	
27	547 342 R1	TUBE ASSY, BACKHOE RETURN	
28	547 339 R1	ELBOW, 1-5/16-12-1-3/16-12 37 DEG HYD FLARED TUBE 90 DEG	
29	9 410 207	UNION, 1-5/16-12 37 DEG FLARED TUBE SHORT SWIVEL	
30	296 247 R1	O-RING, 1 OD TUBE	

3141 SERIES A BACKHOE -17- SECTION H

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

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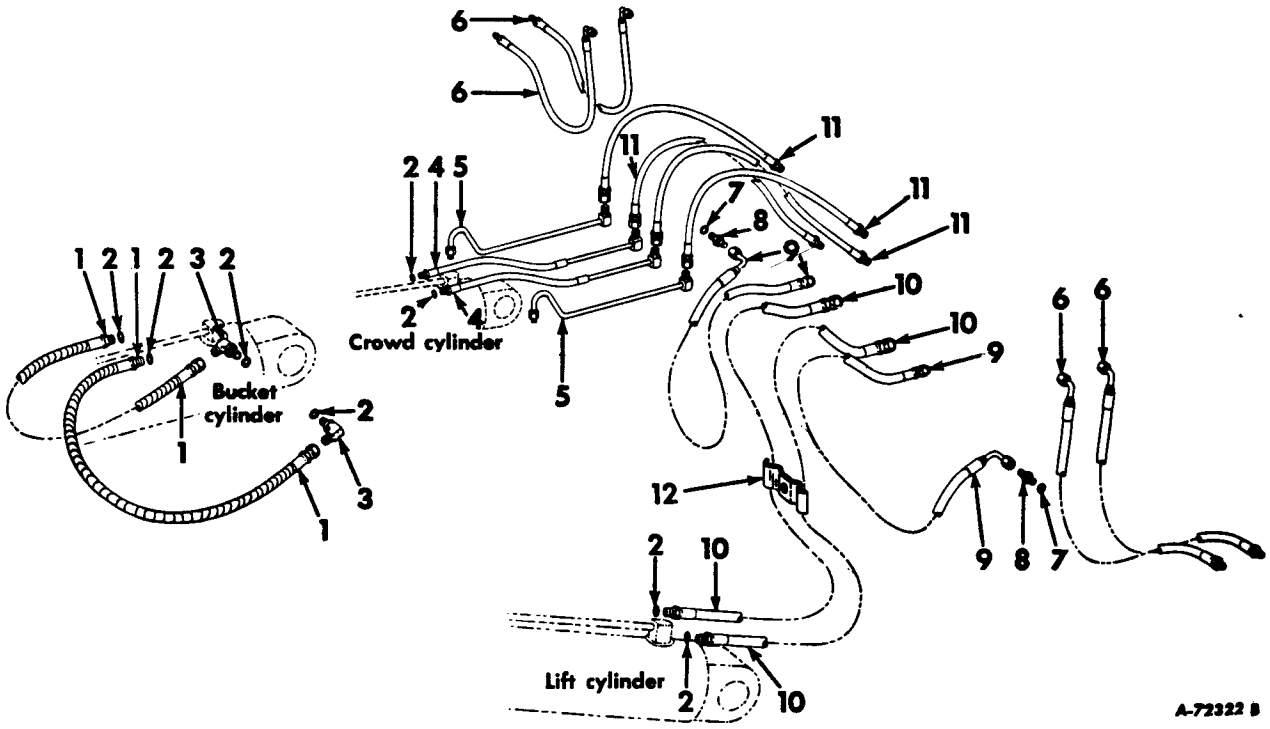
REF. NO.	PART NUMBER	DESCRIPTION	8KH-1

HYDRAULIC CONNECTIONS - BASIC-



1	472 789 R91		HOSE ASSY, BOOM TO BUCKET - 53 IN. -2-
2	364 885 R1		O-RING, 5/8 TUBE -8-
3	9 410 978		ELBOW, 7/8-14 37 DEG HYD FLARED TUBE -2-
4	481 697 R91		HOSE ASSY, CROWD CYL 35 IN. -2-
5	481 699 R11		TUBE ASSY, BOOM TO HOSE -2-
6	470 256 R91		HOSE ASSY, BULKHEAD TO STABILIZER -4-
7	364 839 R1		O-RING, 3/8 TUBE -2-
8	382 449 R1		CONNECTOR, 1/2 - 3/8 TUBE BOSS -2-
9	481 700 R93		HOSE ASSY, BULKHEAD TO SWING 32 IN. -2-
10	481 698 R93		HOSE ASSY, PIPE TO LIFT CYL 51 IN. -2-
11	481 641 R91		HOSE, PIPE TO BOOM - 41.5 IN. -4-
12	469 998 R1		CLAMP, HYD HOSE
	120 378		NUT, 1/2-13 C-Z HEX.
	120 238		NUT, 1/2-13 C-Z HEX. JAM

-18- SECTION H
3141 SERIES A BACKHOE
REF. NO. PART NUMBER DESCRIPTION 8KH-1
HYDRAULIC CONNECTIONS - BASIC- -CONTINUED
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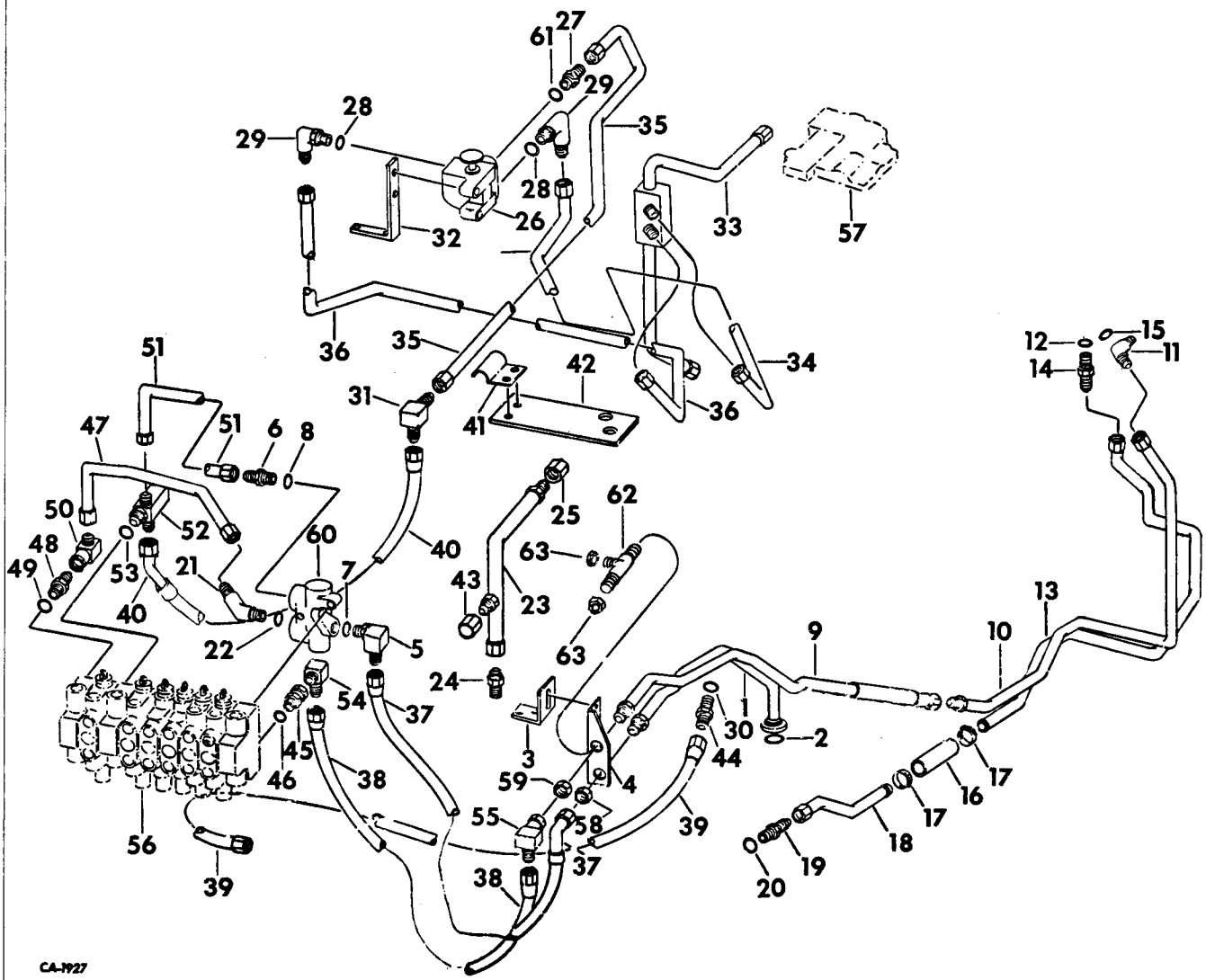
HYDRAULIC POWER SUPPLY



REF. NO.	PART NUMBER	DESCRIPTION
1	547 347 R1	TUBE ASSY, PUMP TO BACKHOE
2	343 906 R1	O-RING, 1-5/16 X 1-9/16 X 1/8
3	547 348 R1	BRACKET, BULKHEAD SUPPORT
4	547 349 R1	BULKHEAD, PUMP-POWER BEYOND
	181 566	SCREW, 1/4-28 X 3/4 ZND HEX-HD CAP -2-
	120 392	WASHER, 9/32 X 5/8 X 18 GA C-Z -2-
	120 380	WASHER, 1/4 ZND MED LOCK -2-
	120 367	NUT, 1/4-28 ZND HEX. -2-
5	545 773 R1	ELBOW, 37 DEG FLARED TUBE ADJ STR-THD 90 DEG
6	9 410 204	UNION, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL -2-
7	368 269 R1	O-RING, 3/4 OD TUBE
8	364 885 R1	O-RING, 5/8 OD TUBE -2-
9	547 351 R1	TUBE ASSY, BACKHOE TO LOEADER POWER
10	547 352 R1	TUBE ASSY, LOADER POWER BEYOND
11	9 411 108	ELBOW, 1-3/16-12 37 DEG HYD FLARED TUBE ADJ STR-THD 45 DEG
12	297 459 R1	O-RING, 7/8 OD TUBE
13	544 493 R1	TUBE ASSY, RETURN
14	9 410 207	UNION, 1-5/16-12 37 DEG HYD FLARED TUBE SHORT SWIVEL
15	296 247 R1	O-RING, 1 OD TUBE
16	544 494 R1	HOSE, RETURN LINE
17	279 024 R91	CLAMP, HOSE -2-

-19- SECTION H
3141 SERIES A BACKHOE
BKH-1

HYDRAULIC POWER SUPPLY -CONTINUED

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REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC POWER SUPPLY -CONTINUED	
18	544 495 R1	TUBE ASSY, RETURN	
19	574 018 R1	UNION, 3/4-1 37 DEG HYD FLARED TUBE SHORT SWIVEL	
20	368 269 R1	O-RING, 3/4 OD TUBE	
21	9 411 106	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE ADJ STR-THD 45 DEG	
22	364 885 R1	O-RING, 5/8 OD TUBE	
23	547 353 R1	TUBE ASSY, HYD FILLER	
24	547 354 R1	ADAPTER, NPTF-37 DEG FLARED STR	
25	9 403 376	CAP, 1-5/16-12 37 DEG HYD FLARED TUBE	
26	389 252 R92	VALVE ASSY, SELECTOR	
27	9 410 204	CONNECTOR, 7/8-14 37 DEG FLARED TUBE	
28	364 885 R1	O-RING, 5/8 OD TUBE -3-	
29	9 410 978	ELBOW, 7/8-14 37 DEG FLARED TUBE ADJ STR-THD 90 DEG	
30	296 247 R1	O-RING, 1 IN. OD TUBE	
31	9 402 944	ELBOW, 7/8-14 37 DEG FLARED TUBE 90 DEG UNION	
32	547 413 R1	BRACKET, SELECTOR VALVE	
	180 016	SCREW, 1/4-20 X 3/4 ZND HEX-HD CAP -2-	
	180 034	SCREW, 1/4-20 X 1-1/2 ZND HEX-HD CAP -2-	
	138 167	WASHER, 1/4 ZND INTERNAL LOCK -4-	
33	547 421 R1	TUBE ASSY, AUX. VALVE W/O DRAFT CONTROL	
33	547 416 R1	TUBE ASSY, DRACT CONTROL & SELECTOR VALVE -FOR TRACTORS W/DRAFT CONTROL-	
34	547 424 R1	TUBE ASSY, DIVERTER	
35	547 425 R1	TUBE ASSY, DIVERTER TO BACKHOE	
36	547 426 R1	TUBE ASSY, POWER SUPPLY	
37	545 774 R1	HOSE ASSY, POWER SUPPLY TO BACKHOE	
38	545 776 R1	HOSE ASSY, POWER BEYOND	
39	545 777 R1	HOSE ASSY, RETURN	
40	545 775 R1	HOSE ASSY, MVC TO BACKHOE	
41	545 764 R1	CLAMP, HYDRAULIC TUBE	
42	545 763 R1	BRACKET, CLAMP MOUNTING	
	180 018	SCREW, 1/4-20 X 5/8 ZND HEX-HD CAP -2-	
	120 380	WASHER, 1/4 ZND MED LOCK -2-	
	120 375	NUT, 1/4-20 ZND HEX. -2-	
43	9 403 373	CAP, 7/8-14 37 DEG HYD FLARED TUBE	
44	9 410 207	UNION, 1-5/16-12 37 DEG HYD FLARED TUBE SHORT SWIVEL	
45	481 766 R1	ADAPTER, 15/16 STR-THD TO 1-5/16 37 DEG SWIVEL	
46	296 247 R1	O-RING, 1 OD TUBE	
47	547 341 R1	TUBE ASSY, FLOW DIVIDER TO SWING	
48	9 410 204	UNION, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL	
49	364 885 R1	O-RING, 5/8 OD TUBE	
50	9 410 282	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE 90 DEG SWIVEL	
51	547 340 R1	TUBE ASSY, FLOW DIVIDER TO MID INLET	
52	545 680 R1	TEE, ADJ STR THD REDUCER	

-20- SECTION H
3141 SERIES A BACKHOE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC POWER SUPPLY -CONTINUED	
53	297 459 R1	O-RING, 7/8 OD TUBING	
54	547 339 R1	ELBOW, 1-15/16-12 37 DEG HYD FLARED TUBE 90 DEG.	
55	9 410 284	ELBOW, 1-3/16-12 37 DEG HYD FLARED TUBE 90 DEG. SWIVEL	
56		VALVES, HYDRAULIC CONTROL -REFER TO HYDRAULIC CONTROL VALVES LISTING-	
57		VALVE ASSY, FLOW DIVIDER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF FLOW DIVIDER VALVE-	
58	9 403 296	NUT, 1-1/16-12 BULKHEAD UNION LOCK	
59	9 403 297	NUT, 1-3/16-12 BULKHEAD UNION LOCK	
60		VALVE, FLOW DIVIDER PROPORTIONAL -REFER TO FLOW DIVIDER PROPORTIONAL VALVE LISTING-	
61	296 247 R1	O-RING, 1 IN. OD TUBE	
62	485 314 R2	TEE, SWIVEL RUN REDUCER	
63	9 403 373	CAP, 7/8-14 HYD 37 DEG HYD FLARED TUBE -2-	

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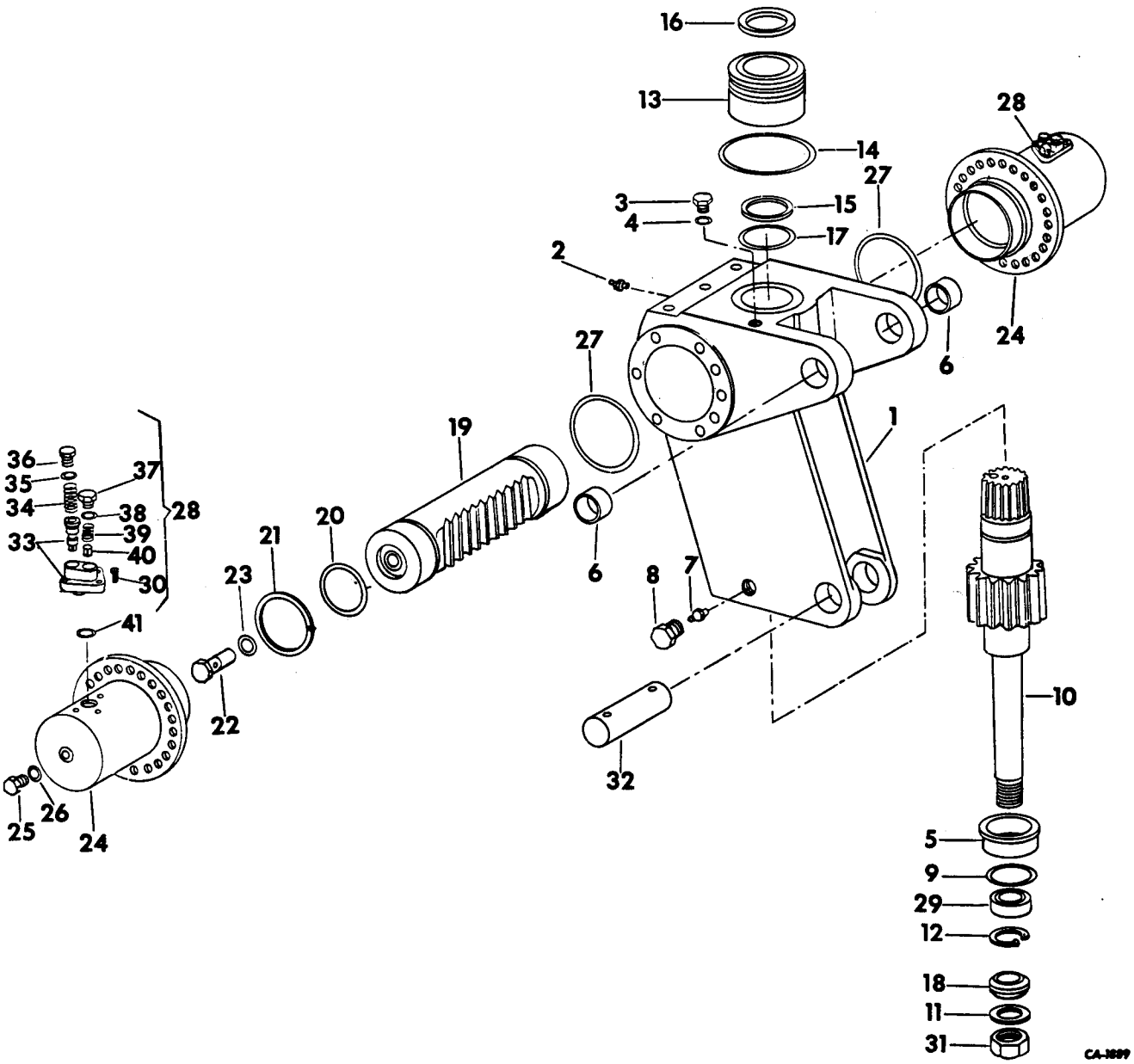
SWING MECHANISM



REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
1	545 216 R91	HOUSING W/BUSHING, SWING	
2	479 670 R1	SCREW, 1/2-13 X 2 HEX-SOC-HD HALF DOG PT SET	
3	9 410 360	PLUG, 7/8-14 C-Z STR-THD O-RING BOSS	
4	364 885 R1	O-RING, 5/8 OD TUBE	
5	468 332 R1	BUSHING, LOWER SHAFT BRONZE	
6	468 366 R1	BUSHING, PIVOT PIN -2-	
7	110 146 R91	FITTING, 1/4-28 NF-2 STR LUB	

SWING MECHANISM -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
8	545 218 R1	PLUG, 1/2-14 HEX-HD PIPE	
9	471 140 R1	O-RING, 3 X 3-3/8 X 3/16 FOR POWER SHAFT BUSHING	
10	545 219 R1	SHAFT	
11	544 150 R1	WASHER, SHAFT	
12	468 337 R1	RING, LOWER SHAFT BUSHING RETAINING	
13	545 220 R1	BUSHING, UPPER SWING SHAFT	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	SWING MECHANISM -CONTINUED		
14	380 595 R1	O-RING, 5-5/8 X 5-7/8 X 1/8 UPPER SHAFT BUSHING	
15	489 532 R1	WASHER, BACKUP	
16	468 334 R91	SEAL, UPPER SHAFT BUSHING DUST	
17	468 335 R1	O-RING, 3-3/8 X 3-3/4 X 3/16 FOR UPPER SHAFT BUSHING	
18	468 336 R1	SPACER, LOWER SHAFT BEARING	
19	488 498 R1	PISTON	
20	468 339 R1	O-RING, 4 X 4-1/4 X 1/8 -2- ON PISTON	
21	468 340 R1	RING, PISTON -2-	
22	394 311 R91	VALVE ASSY, PISTON SAFETY -2- FOR DETAILS SEE LIST FTS-48/34	
23	296 247 R1	O-RING, 1 OD TUBE -2- ON SAFETY VALVE ASSY	
24	545 221 R1	BODY, SWING CYL -2-	
	484 667 R1	SCREW, 5/8-11 X 1-1/2 HEX-HD CAP -16-	
25	9 410 358	PLUG, 9/16-18 C-Z STR THD O-RING BOSS -2-	
26	364 839 R1	O-RING, 3/8 OD TUBE -2- FOR SWING BODY	
27	285 253 R1	O-RING, 5-1/2 X 5-3/4 X 1/8 -2- BETWEEN HOUSING AND BODY	
28	544 698 R91	VALVE ASSY, DECELERATOR -2- FOR DETAILS SEE FTS-48/28	
29	545 222 R91	BEARING, SELF-ALIGNING SWING SHAFT	
30	306 354 R2	SCREW, 3/8-16 X 7/8 FLANGED 12 PT -6-	
31	18 460 R1	NUT, 1-1/2 C 12 NYLON INSERT	
32	468 370 R1	PIN, LIFT CYL PIVOT	
	631 252 R1	PIN, 3/8 X 4-1/8 STD-HD -2-	
	177 923	PIN, 1/8 X 3/4 C-Z COT. -2-	
33	544 699 R1	HOUSING ASSY, VALVE	
34	392 963 R1	SPRING, VALVE PISTON	
35	364 885 R1	O-RING, 3/4 X 15/16 X 3/32	
36	392 964 R1	PLUG, PISTON	
37	392 962 R11	PLUG ASSY, CHECK VALVE	
38	570 828 R1	O-RING, 1/2 OD TUBE	
39	382 915 R1	SPRING ASSY, CHECK VALVE	
40	382 916 R1	POPPET, CHECK VALVE	
41	25 173 R1	O-RING, 1-5/8 X 1-13/16 X 3/32 -2- BETWEEN VALVE HOUSING & SWING CYL	

3141 SERIES A BACKHOE -22- SECTION H

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

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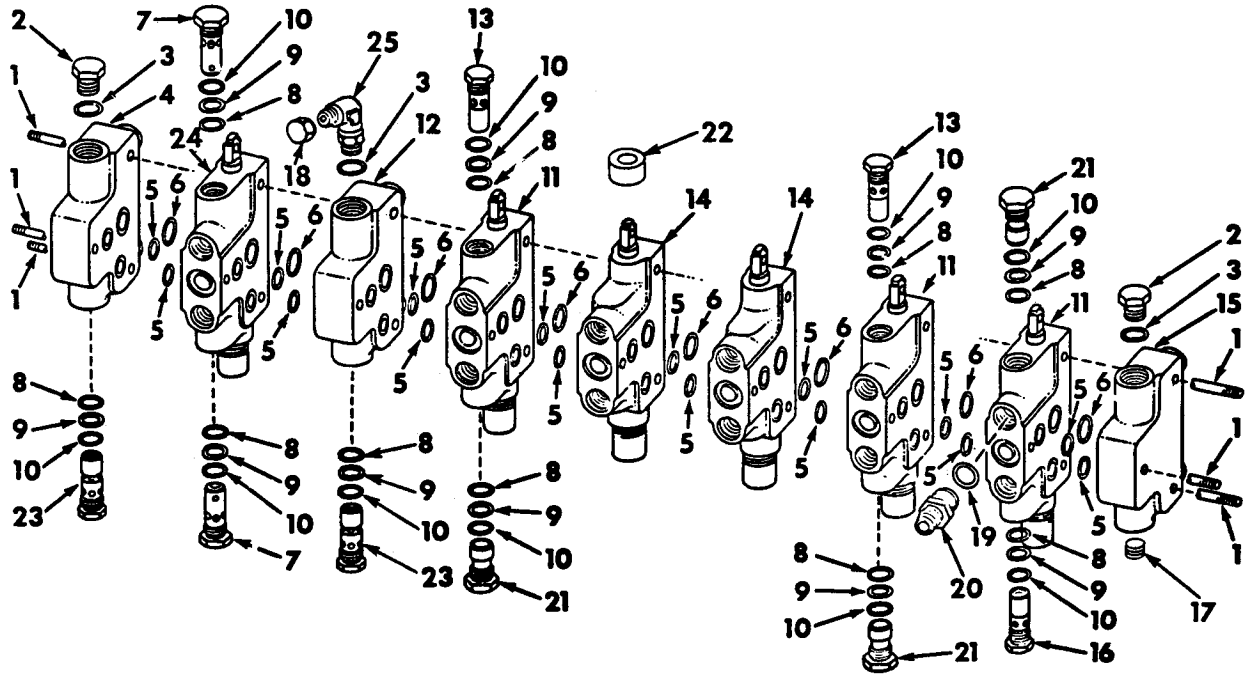
HYDRAULIC CONTROL VALVES



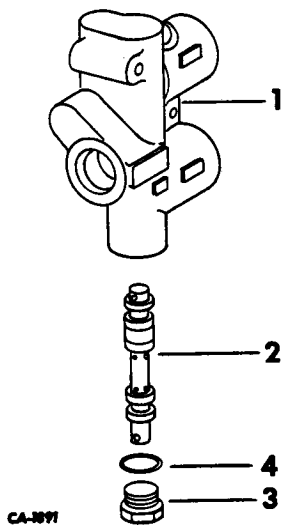
REF. NO.	PART NUMBER	DESCRIPTION
1	392 971 R1	ROD, TIE -3-
	102 635	NUT, 3/8-16 HEX. -6-
	527 476 R1	WASHER, 3/8 LOCK -6-
2	9 410 362	PLUG, 1-3/16 C-Z STR THD O-RING BOSS FOR 7/8 TUBE -2- -OUTLET VALVE COVER - LARGE-
3	297 459 R1	O-RING, 1-3/64 X 1-9/32 X 7/64 -3-
4	392 968 R2	COVER, LEFT SIDE END
5	381 884 R1	O-RING, 1 X 1-3/16 X 3/32 -16- -VALVE OUTLET COVER-
6	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32 -8- -VALVE OUTLET COVER-
7	387 229 R91	VALVE ASSY, ANTI-CAVITATION -2-
8	383 219 R1	O-RING, 15/16 X 1-1/8 X 3/32 -10- -PILOT OPERATED RELIEF VALVE-
9	378 985 R2	WASHER, PILOT OPERATED RELIEF VALVE BACKUP -10-
10	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32 -10- -PILOT OPERATED RELIEF VALVE-
11	394 705 R95	VALVE ASSY, HYD OPEN CENTER CONTROL -3- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-
12	395 006 R1	COVER, CENTER
13	382 479 R91	VALVE ASSY, CUSHION RELIEF- 2500 P.S.I. -2-

HYDRAULIC CONTROL VALVES - CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
14	383 271 R95	VALVE ASSY, HYD OPEN CENTER CONTROL -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-
15	546 105 R1	COVER, RIGHT SIDE END
16	382 928 R91	VALVE ASSY, CUSHION RELIEF -2000 P.S.I.-
17	444 709	PLUG, 3/4-14 AUTO HEX-SOC HD PIPE
18	9 403 375	CAP, 1-3/16-12 37 DEG HYD FLARED TUBE
19	364 885 R1	O-RING, 3/4 X 15/16 X 3/32
20	397 699 R1	UNION ASSY, ORIFICE
21	378 899 R1	PLUG, RELIEF VALVE CHAMBER -3-
22	543 201 R1	SEAL, VALVE SPOOL DUST -6-
	20 703 R1	WASHER, 29/32 X 1-3/4 X 16 GA ZND -6-
23	388 208 R93	VALVE ASSY, PILOT OPERATED RELIEF -2000 P.S.I.- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF PILOT RELIEF VALVE-
24	383 270 R94	VALVE ASSY, HYD OPEN CENTER CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-
25	9 410 980	ELBOW, 1-3/16-12 C-Z 37 DEG HYDRAULIC FLARED TUBE

BKH-1

FLOW DIVIDER VALVE

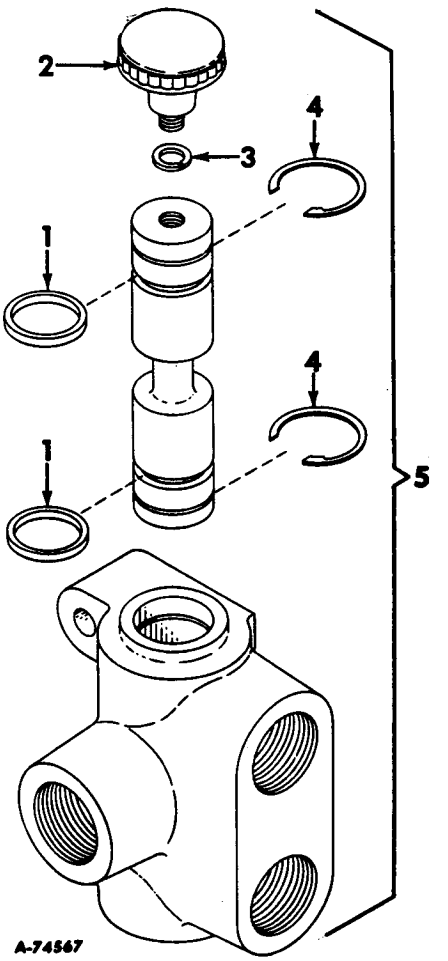


REF. NO.	PART NUMBER	DESCRIPTION
	545 824 R91	VALVE ASSY, FLOW DIVIDER
1	547 256 R1	BODY
2	547 258 R1	PISTON
3	9 410 359	PLUG
4	570 828 R1	O-RING

-24- SECTION H
3141 SERIES A BACKHOE

BKH-1

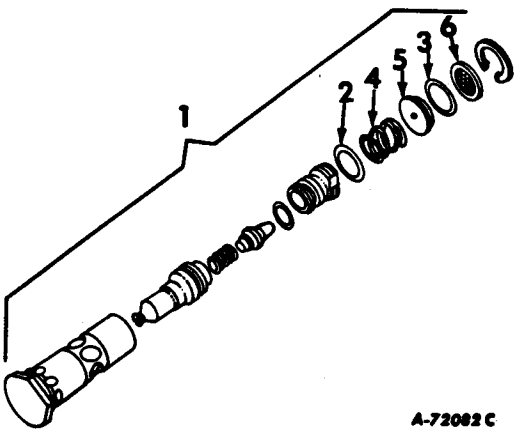
DIVERTER VALVE



REF. NO.	PART NUMBER	DESCRIPTION
1	403 519 R1	O-RING, 9/16 X 3/4 X 3/32 -2-
2	389 255 R1	KNOB, CONTROL
3	131 099	WASHER, 3/8 C-Z HV-LOCK
4	23 090 R1	RING, SELECTOR VALVE RETAINING -2-
5	389 252 R92	VALVE ASSY, DIVERTER

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

PILOT RELIEF VALVE

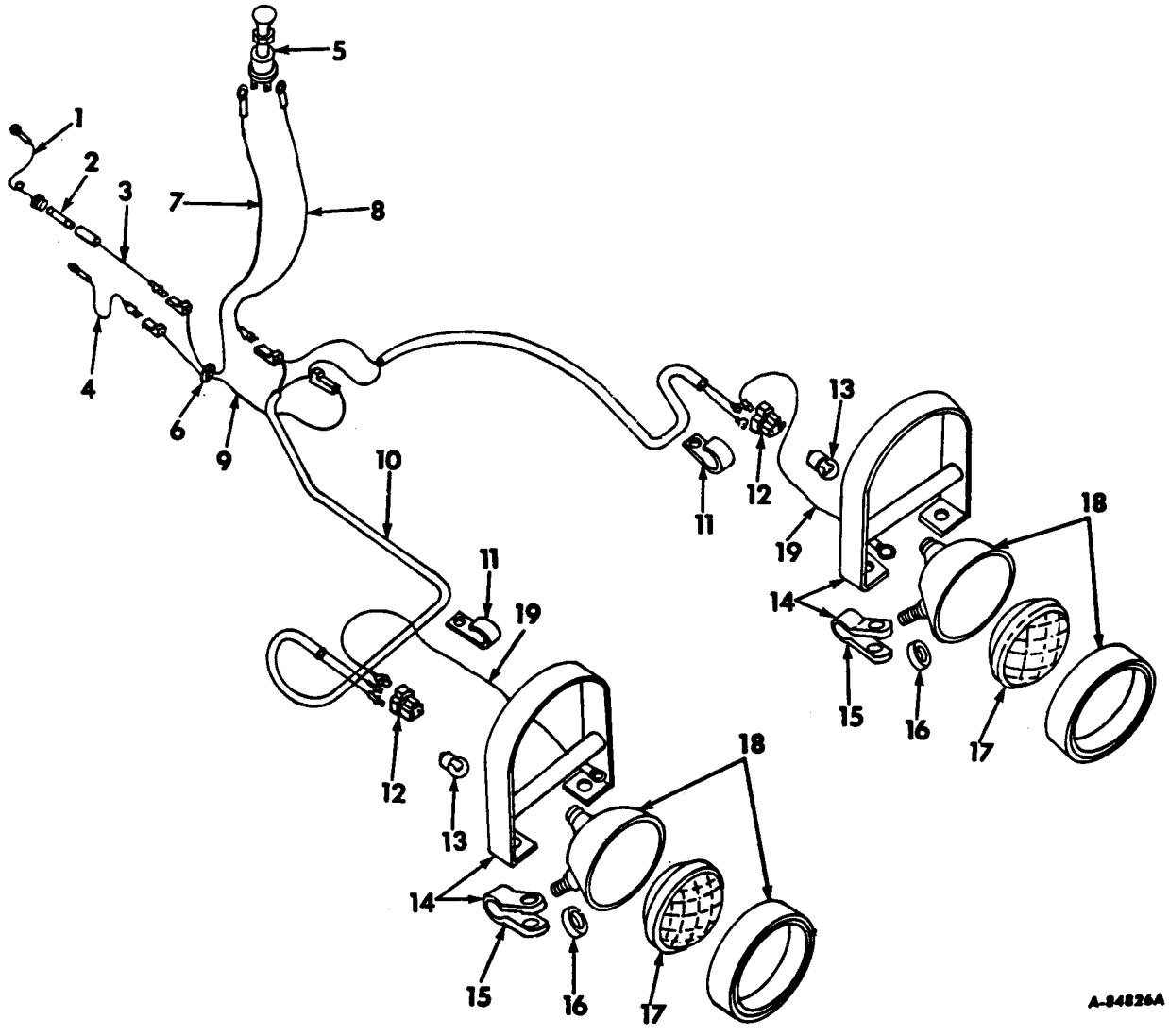


1	388 208 R93	VALVE ASSY, PILOT RELIEF -2000 P.S.I.-
2	406 185 R1	O-RING, 5/8 X 0/4 X 1/16 -POPPET-
3	298 385 R1	O-RING, 11/16 X 13/16 X 1/16 -ORIFICE PLATE-
4	386 040 R1	SPRING-POPPET RETURN
5	386 042 R1	PLATE, ORIFICE
6	386 073 R91	SCREEN ASSY, PILOT RELIEF VALVE

-25- SECTION H
3141 SERIES A BACKHOE
REF. NO. | PART NUMBER | DESCRIPTION | BKH-1
PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 12

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

LIGHTING EQUIPMENT



1	469 656 R1	CABLE ASSY, FUSE HOUSING
2	117 142	FUSE, CARTRIDGE TYPE AGC 10
3	469 657 R1	CABLE ASSY, FUSE
4	481 701 R91	CABLE ASSY
5	362 818 R91	SWITCH ASSY, LIGHTING
6	42 486 H	GROMMET, RUBBER
7	481 735 R91	CABLE ASSY, LIGHTING SWITCH TO FUSE HOUSING JUNCTION
8	481 736 R91	CABLE ASSY, SWITCH TO HEAD LIGHT CABLE ASSY
9	481 734 R91	CABLE ASSY, INTERMEDIATE TAIL LAMP
10	481 733 R91	CABLE ASSY, HEAD LIGHT
11	366 460 R1	CLIP, CABLE -2-

3141 SERIES A BACKHOE -26- SECTION H

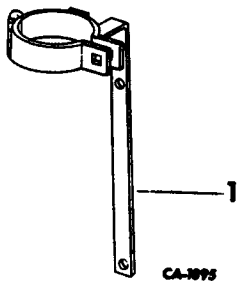
REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

LIGHTING EQUIPMENT -CONTINUED

12	377 105 R1	CONNECTOR -2-
13	455 490	LAMP, BULB -2-
14	482 979 R11	GUARD ASSY, BACKHOE LAMP -2-
	120 377	NUT, 3/8-16 C-Z HEX. -4-
	180 124	SCREW, 3/8-16 X 1-1/4 C-Z HEX-HD CAP -4-
	120 382	WASHER, 3/8 C-Z MED LOCK -4-
15	350 920 R1	CLAMP, HEAD LAMP -2-
16	365 503 R1	SPACER, LAMP -2-
	120 378	NUT, 1/2-13 C-Z HEX. -2-
	120 384	WASHER, 1/2 C-Z MED LOCK -2-
17	371 461 R91	LAMP, SEALED BEAM UNIT -2-
18	387 729 R91	LIGHT ASSY, COMBINATION SHOCK PROOF -2-
19	481 737 R91	CABLE ASSY, LIGHT TO GROUND -2-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SLOW MOVING VEHICLE BRACKET



1	534 794 R1	BRACKET ASSY, REFLECTOR MTG
	104 084	RIVET, 1/4 X 7/8 BUTTON HD
	18 628 R1	BOLT, 1/4 X 1-1/4 ZND SQ-NK CRG
	126 177	NUT, 1/4-20 WING

PRODUCT GRAPHICS

	546 278 R91	PACKAGE, PRODUCT GRAPHIC
		$ PRODUCT GRAPHIC, SERIES A
		$ PRODUCT GRAPHIC, BACKHOE LH STABILIZER
		$ PRODUCT GRAPHIC, BACKHOE RH STABILIZER
		$ PRODUCT GRAPHIC, BACKHOE DIPPERSTICK
		$ PRODUCT GRAPHIC, BACKHOE BUCKET
		$ PRODUCT GRAPHIC, BACKHOE SWING
		$ PRODUCT GRAPHIC, BACKHOE BOOM
2	752 018 R1	PRODUCT GRAPHIC, IH -2-
2	754 034 R1	PRODUCT GRAPHIC, SERVICE MODEL NO.
2	751 034 R1	PRODUCT GRAPHIC, SERVICE MODEL NO.

3141 SERIES A BACKHOE -27- SECTION H

REF. NO. PART NUMBER DESCRIPTION BKH-1

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 12

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

3141 SERIES A BACKHOE -28- SECTION H

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 12

BKH-1

INTERNATIONAL 3142 BACKHOE

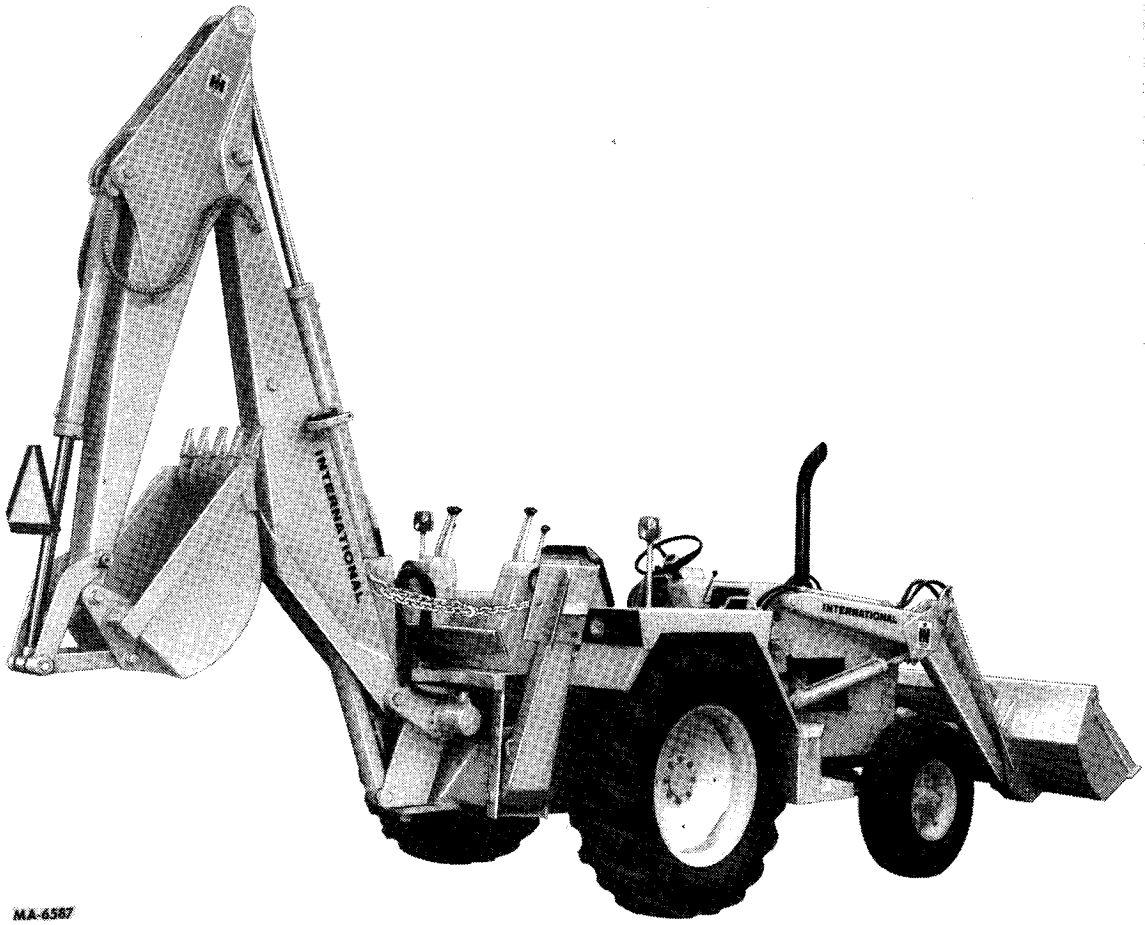
Built 1972 and Since

For use on the following Tractors:

3400 SERIES A LOADER TRACTORS

2500 SERIES A LOADER TRACTORS
Built 1972 to 1974

T7, TD7, T8, TD8, 100C, 125C and 500C CRAWLER TRACTORS



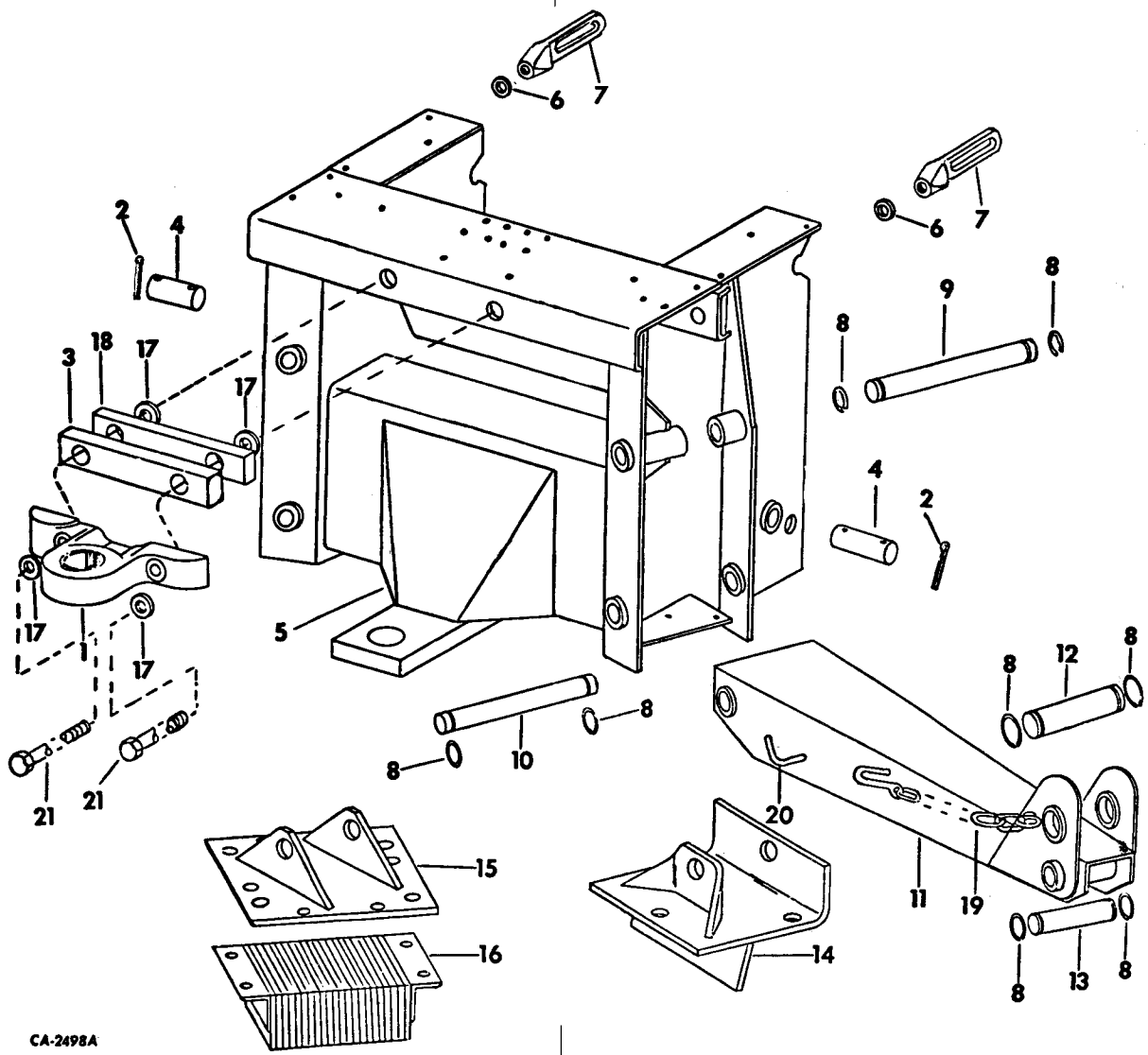
International 3142 Backhoe shown on International 3400 Series A Loader Tractor.

INDEX TO UNITS BKH-1

DESCRIPTION	Gp	Pg	Grid
ADAPTER, Valve		57	3 G7
BOOM		7	3 E1
BRACKET, Slow Moving Vehicle		66	3 G16
BUCKET		8	3 E2
CONSOLE AND FLOOR PLATES			
2500 Series A Tractors		22	3 E16
CONTROLS, Hydraulic			
2500 Series A Tractors		20	3 E14
3400 Series A Tractors			
Four Lever		16	3 E10
Two Lever		18	3 E12
TD, TD7, T8, TD8, 100C, 125C and 500 C Crawlers		24	3 E18
CYLINDERS, Hydraulic		13	3 E7
DIPPERSTICK		9	3 E3
END PLATE, Valve		58	3 G8
FRAME AND STABILIZERS			
3400 Series A Tractors		3	3 D20
2500 Series A Tractors, T7, TD7, T8, TD8, 100C, 125C and 500C Crawlers		5	3 D22
		5	3 D22
HYDRAULIC CONNECTIONS			
Basic		33	3 F5
Lever Operated Check Valves - 500C Crawlers		52	3 G2
Stabilizer Check Valves			
3400 Series A Tractors		50	3 F22
500C Crawlers		52	3 G2
2500 Series A Tractors		38	3 F10
3400 Series A Tractors			
Four Lever Control		34	3 F6
Two Lever Control		36	3 F8
T7, TD7, T8, TD8, 100C, 125C and 500C Crawlers		40	3 F12
HYDRAULIC POWER SUPPLY			
2500 Series A Tractors		44	3 F16
3400 Series A Tractors		42	3 F14
T7, TD7, T8, TD8, 100C and 125C Crawlers		48	3 F20
500C Crawlers		49	3 F21
HYDRAULIC TUBE ATTACHMENT			
2500 Series A Tractors w/2050A or 3050A Loaders			
With Hitch		46	3 F18
Without Hitch		47	3 F19

DESCRIPTION	Gp	Pg	Grid
LIGHTING EQUIPMENT			
2500 Series A Tractors		64	3 G14
3400 Series A Tractors		62	3 G12
500C Crawlers		65	3 G15
PADS			
2500 Series A Tractors, T7, TD7, T8, TD8, 100C, 125C and 500C Crawlers		6	3 D23
3400 Series A Tractors		4	3 D21
PRODUCT GRAPHICS		69	3 G19
SEAT		26	3 E20
SUBFRAME			
2500 Series A Tractors		11	3 E5
3400 Series A Tractors		10	3 E4
Crawlers		12	3 E6
SWING MECHANISM		60	3 G10
TUBES, Hydraulic			
2500 Series A Tractors		38	3 F10
3400 Series A Tractors			
Four Lever		34	3 F6
Two Lever		36	3 F8
Crawlers		40	3 F12
VALVES			
Check			
Lever Operated		58	3 G8
Stabilizer		59	3 G9
Control			
2500 Series A Tractors		30	3 F2
3400 Series A Tractors			
Four Lever		28	3 E22
Two Lever		29	3 F1
T7, TD7, T8, TD8, 100C and 125C Crawlers		31	3 F3
500C Crawlers		32	3 F4
Flow Divider		56	3 G6
Pilot Relief		56	3 G6
Section			
Boom Bucket, Dipperstick and Stabilizer		53	3 G3
Swing		54	3 G4
Selector		57	3 G7
Three Position Control		55	3 G5
PARTS ACCESSORIES AND ATTACHMENTS			
FROST BREAKER		9	3 E3
THROTTLE CONTROL			
3400 Series A Gasoline Tractors		67	3 G17
3400 Series A Diesel Tractors		68	3 G18

MAIN FRAME, STABILIZER AND PADS
-3400 SERIES A LOADER TRACTORS-



REF. NO.	PART NUMBER	DESCRIPTION
1	545 214 R91	MOUNTING W/PILOTS, TOP SWING
2	21 656 R1	PIN, 3/8 X 2-3/4 ZND COT -4- -REPLACES 621 006 C1-
3	468 388 R2	BAR, BACKUP TOP SWING MOUNT
4	543 330 R1	PIN, LOCKING -2-
5	545 832 R2	FRAME ASSY, MAIN
6	470 459 R1	WASHER, 1-1/16 X 2 X 10 GA -2-

MAIN FRAME, STABILIZER AND PADS -CONTINUED
-3400 SERIES A LOADER TRACTORS-

REF. NO.	PART NUMBER	DESCRIPTION
7	103 017 C1	LUG, MAIN FRAME MTG -2- -WILL WORK FOR 473 651 R93-
	21 305 R1	SCREW, 1-8 X 3-1/2 HEX-HD CAP TYPE 8 -2-
8	468 283 R1	RING, EXTERNAL RETAINING -16- USE 2 W/EACH PIN
9	468 638 R2	PIN, STABILIZER CYL TO MAIN FRAME -2-
10	468 635 R2	PIN, STABILIZER TO MAIN FRAME -2-

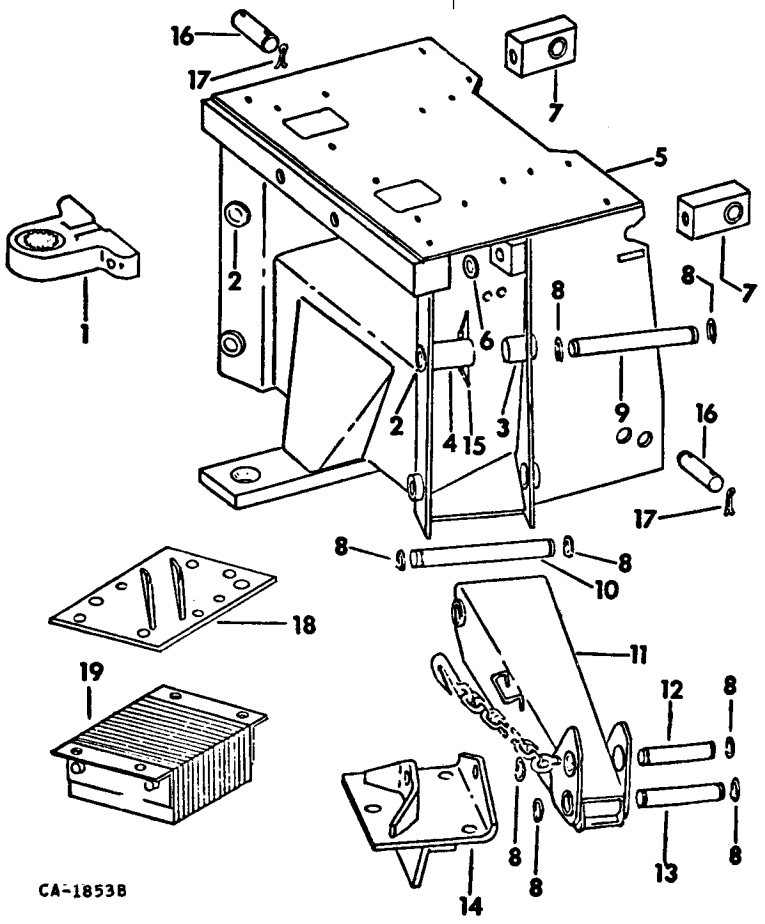
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		MAIN FRAME, STABILIZER AND PADS -CONTINUED -3400 SERIES A LOADER TRACTORS-	
11	546 069 R2	STABILIZER ASSY, LH -INCLUDES REF NOS 19 & 20-	
11	546 070 R2	STABILIZER ASSY, RH -INCLUDES REF NOS 19 & 20-	
12	468 637 R1	PIN, STABILIZER TO CYL -2-	
13	468 636 R1	PIN, STABILIZER TO PAD ASSY -2-	
14	468 392 R11	PAD ASSY, STABILIZER TRENCHING -2-	
15	469 103 R92	PAD ASSY, STABILIZER SOD LH	
15	469 104 R92	PAD ASSY, STABILIZER SOD RH	
	271 767	SCREW, 3/4-10 X 1-1/2 ZND HEX-HD CAP -8-	
	131 046	WASHER, 3/4 ZND MED LOCK -8-	
	220 086	NUT, 3/4-10 ZND HEX -8-	
16	544 015 R1	STREET PAD ASSY -2-	
17	384 697 R1	WASHER, .906 X 1.75 X .164 -4-	
18	484 483 R1	BAR, BACK-UP OUTER TOP SWING MOUNT	
19	470 460 R21	CHAIN ASSY, TRANSPORT -2-	
20	470 464 R1	CATCH, TRANSPORT CHAIN -2-	
21	21 021 R1	SCREW, 7/8-9 X 5-1/2 HEX-HD CAP TYPE 8 -2-	
	19 925 R1	NUT, 7/8-9 HEX. -2-	

3142 BACKHOE -4- SECTION J

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

MAIN FRAME, STABILIZER AND PADS
-2500 SERIES A TRACTORS-
-T7, TD7, T8, TD8, 100C, 125C AND 500C
CRAWLER TRACTORS-



CA-1853B

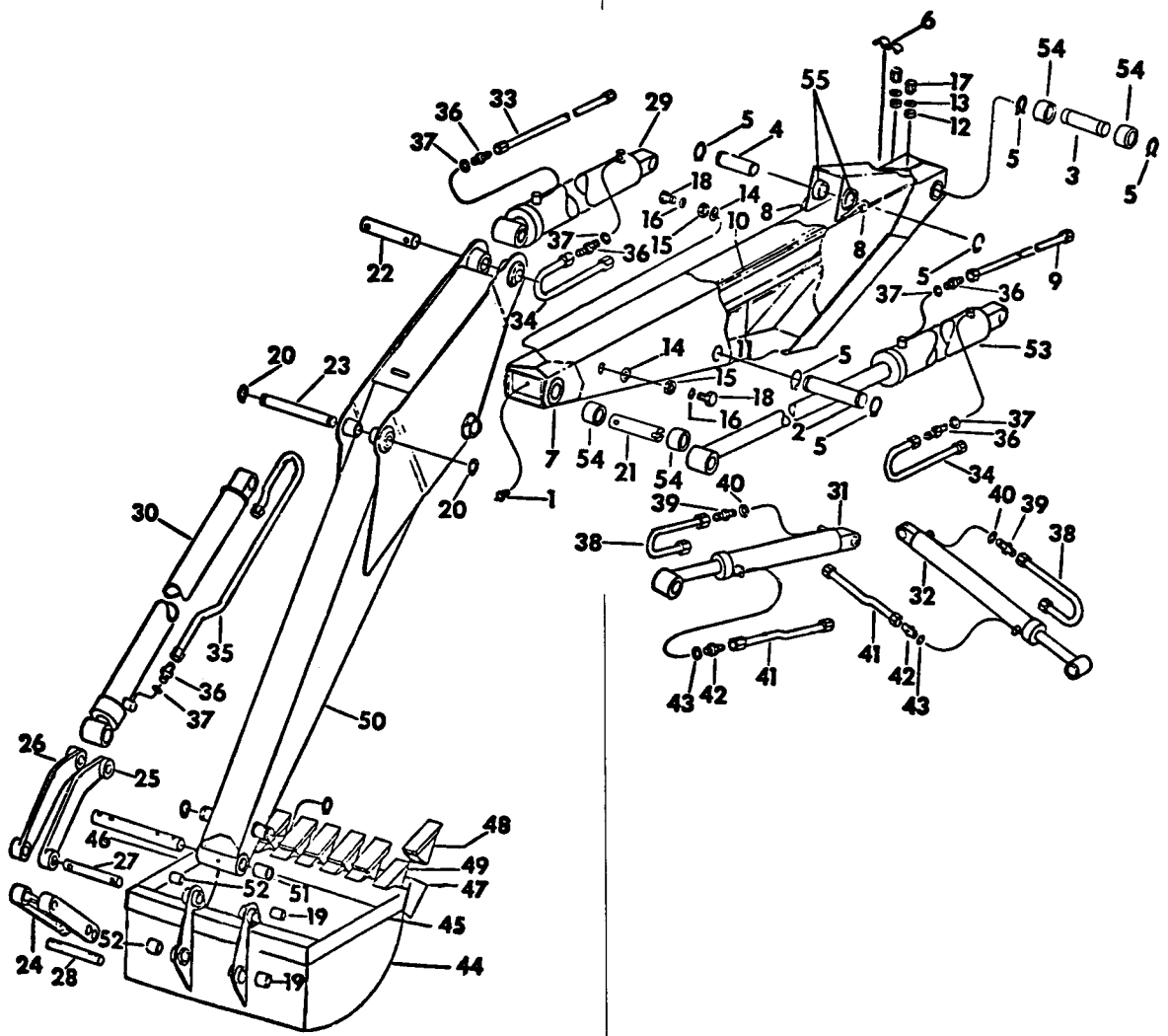
1	545 214 R91	MOUNTING W/PILOTS, TOP SWING	
	289 757 R1	SCREW, 7/8-9 X 4-1/4 ZND HEX-HD CAP -2-	
	384 697 R1	WASHER, .906 X 1.75 X .164 -2-	
	19 925 R1	NUT, 7/8-9 HEX -2-	
2	468 385 R1	BOSS, STABILIZER PIVOT -4-	
3	468 386 R1	BOSS, STABILIZER CYL REAR -2-	
4	468 387 R1	BOSS, STABILIZER CYL FRT -2-	
5	492 573 R2	FRAME ASSY, BACKHOE MAIN	
6	470 459 R1	WASHER, 1-1/16 X 2 X 10 GA -2-	
7	540 966 R1	LUG, MAIN FRAME MOUNTING -2-	
7	21 305 R1	SCREW, 1-8 X 3-1/2 TYPE 8 HEX-HD CAP -2-	
8	468 283 R1	RING, EXTERNAL RETAINING -16- -USE 2 W/EACH PIN-	
9	468 638 R2	PIN, STABILIZER CYL TO MAIN FRAME -2-	
10	468 635 R2	PIN, STABILIZER TO MAIN FRAME -2-	
11	468 656 R14	STABILIZER ASSY, LEFT	
11	468 655 R14	STABILIZER ASSY, RIGHT	
12	468 637 R1	PIN, STABILIZER TO CYL -2-	
13	468 636 R1	PIN, STABILIZER TO PAD ASSY -2-	
14	468 392 R11	PAD ASSY, STABILIZER TRENCHING -2-	
15	471 402 R1	GUSSET, STABILIZER PIVOT TO MAIN FRAME -2-	
16	543 330 R1	PIN, MAIN FRAME LOCKING -2- -2500 SERIES A TRACTORS-	
16	492 570 R1	PIN, MAIN FRAME LOCKING -2- -CRAWLER TRACTORS-	
16	492 751 R1	PIN ASSY, TIE BAR -2- -500C CRAWLER TRACTORS-	

-5- SECTION J
3142 BACKHOE
REF. NO. | PART NUMBER | DESCRIPTION | BKH-1
MAIN FRAME, STABILIZER AND PADS -CONTINUED
-2500 SERIES A TRACTORS-
-T7, TD7, T8, TD8, 100C, 125C AND 500C
CRAWLER TRACTORS-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		MAIN FRAME, STABILIZER AND PADS -CONTINUED	
		-2500 SERIES A TRACTORS-	
		-T7, TD7, T8, TD8, 100C, 125C AND 500C	
		CRAWLER TRACTORS-	
17	21 656 R1	PIN, 3/8 X 2-3/4 ZND COT -4-	
		-REPLACES 621 006 C1-	
		-FOR USE ON 3400 AND 2500 SERIES A TRACTORS-	
17	621 006 C1	PIN, QUICK ATTACHING LOCK, -4-	
		-FOR USE W/CRAWLER TRACTORS-	
18	469 103 R92	PAD ASSY, STABILIZER SOD LH	
18	469 104 R92	PAD ASSY, STABILIZER SOD RH	
19	544 015 R1	PAD ASSY, STREET -2-	
	271 767	SCREW, 3/4-10 X 1-1/2 ZND HEX-HD CAP -8-	
	131 046	WASHER, 3/4 ZND MED LOCK -8-	
	220 086	NUT, 3/4-10 HEX. -8-	

3142 BACKHOE -6- SECTION J
REF. NO. PART NUMBER DESCRIPTION BKH-1

BOOM, BUCKET, DIPPERSTICK, HYDRAULIC CYLINDERS AND CONNECTIONS



REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
1	109 462	FITTING, 1/8-27 PTF 90 DEG LUB -BOOM PIVOT CARRIER- -2- -1 USED FOR 500C CRAWLER TRACTORS-	
2	468 367 R1	PIN, BOOM CYL UPPER	
3	468 368 R1	PIN, BOOM TO SWING MECHANISM	
	625 688 R1	WASHER, 2-1/32 X 3 X 16 GA 1 OR AS REQUIRED	
4	468 369 R1	PIN, SHROUD	

3142 BACKHOE -7- SECTION J

BOOM, BUCKET, DIPPERSTICK, HYDRAULIC -CONTINUED
CYLINDERS AND CONNECTIONS

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
5	468 371 R1	RING, EXT RETAINING -6- -USE 2 EACH ON UPPER BOOM CYL PIN, BOOM TO SWING MECHANISM PIN & SHROUD PIN-	
6	486 004 R1	CLAMP, HYDRAULIC TUBE	
7	545 839 R2	BOOM W/BUSHINGS -INCLUDES REF NOS. 8, 10 THRU 17, 54 AND 55-	
	120 214	WASHER, 5/16 C-Z MED LOCK	
	120 376	NUT, 5/16-18 C-Z HEX.	
8	486 476 R1	HOOK, TRANSPORT CHAIN -2-	

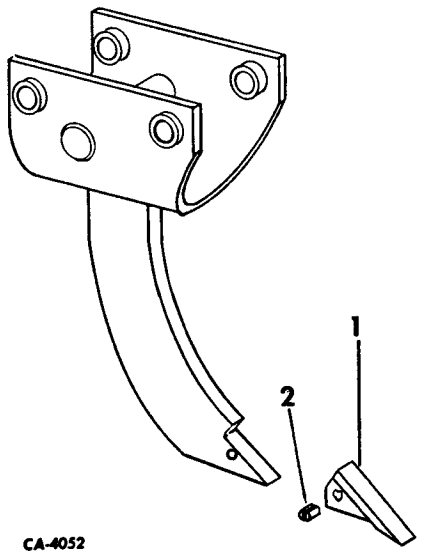
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		BOOM, BUCKET, DIPPERSTICK, HYDRAULIC -CONTINUED	
		CYLINDERS AND CONNECTIONS	
9	481 693 R11	TUBE ASSY, LIFT CYL ROD END	
9	488 806 R1	TUBE ASSY, ROD END LIFT CYL -USED W/CRAWLER TRACTORS AND 3400 AND 2500 TRACTORS W/4-1/2 IN. LIFT CYLINDER ATTACHMENT-	
10	545 854 R1	TUBE ASSY, BOOM LH	
11	545 855 R1	TUBE ASSY, BOOM RH	
12	9 403 295	NUT, 7/8-14 BULKHEAD UNION LOCK -2-	
13	138 566	WASHER, 7/8 ZND INT-TOOTH LOCK -2-	
14	471 961 R1	WASHER, 1-5/16 ZND INT-TOOTH LOCK -2-	
15	9 403 298	NUT, 1-5/16-12 BULKHEAD UNION LOCK -2-	
16	364 885 R1	O-RING, 5/8 OD TUBE -2-	
17	9 403 373	CAP, 7/8-14 37 DEG HYD FLARED TUBE -2-	
18	9 410 360	PLUG, 7/8-14 STR-THD O-RING BOSS -2-	
19	547 133 R1	BOSS, NOTCHED	
19	469 663 R1	BOSS, NOTCHED -FOR USE W/13 IN. BUCKET-	
20	468 283 R1	RING, EXT RETAINING -4-	
21	468 287 R2	PIN, DIPPERSTICK PIVOT -WILL WORK FOR 545 862 R1-	
	472 712 R1	PIN, 1/2 X 3-9/16 STD-HD -2-	
	103 407	PIN, 3/16 X 1 COT. -2-	
22	544 770 R1	PIN, CROWD CYLINDER	
Q	677	PIN, 1/2 X 3-3/4 STD-HD -2-	
	103 407	PIN, 3/16 X 1 COT. -2-	
23	544 772 R1	PIN, BUCKET CYLINDER	
24	544 773 R1	LINK, BUCKET TILT	
25	544 775 R1	LINK, BUCKET GUIDE LH	
26	544 776 R1	LINK, BUCKET GUIDE RH	
27	468 284 R3	PIN, CYL LINK	
	472 712 R1	PIN, 1/2 X 3-1/2 STD-HD -2-	
	103 407	PIN, 3/16 X 1 COT. -2-	
27	542 664 R1	PIN, CYL LINK -FOR 13 IN. BUCKET	
	472 713 R1	PIN, 1/2 X 2-9/16 STD-HD -2-	
	187 988	PIN, 3/16 X 1-1/4 C-Z COT. -2-	
28	544 774 R2	PIN ASSY, CYL LINK -2-	
	192 392	PIN, 3/8 X 2-1/2 GROOVE PRESS FIT -2-	
	472 713 R1	PIN, 1/2 X 2-9/16 STD-HD -2-	
	103 407	PIN, 3/16 X 1 COT. -2-	
29	545 384 R91	CYLINDER ASSY, DIPPERSTICK -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
30	544 907 R91	CYLINDER ASSY, BUCKET -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
31	385 613 R93	CYLINDER ASSY, STABILIZER RH -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
32	385 612 R93	CYLINDER ASSY, STABILIZER LH -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
33	546 028 R1	TUBE ASSY, DIPPERSTICK CYL ROD END	

3142 BACKHOE -8- SECTION J

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		BOOM, BUCKET, DIPPERSTICK, HYDRAULIC -CONTINUED	
		CYLINDERS AND CONNECTIONS	
34	481 694 R11	TUBE ASSY, LIFT CYL HD END -2-	
35	546 030 R1	TUBE ASSY, BUCKET CYL ROD END	
36	9 410 204	UNION, 7/8-14 C-Z 37 DEG HYD FLARED TUBE SHORT SWIVEL -3-	
37	364 885 R1	O-RING, 5/8 OD TUBE -3-	
38	474 285 R11	TUBE ASSY, STABILIZER CYL FRT -2-	
39	9 410 203	UNION, 3/4-16 C-Z 37 DEG HYD FLARED TUBE SHORT SWIVEL -2-	
40	570 828 R1	O-RING, 1/2 OD TUBE -2-	
41	474 286 R11	TUBE ASSY, STABILIZER CYL REAR -2-	
42	9 410 203	UNION, 3/4-16 C-Z 37 DEG HYD FLARED TUBE SHORT SWIVEL -2-	
43	570 828 R1	O-RING, 1/2 OD TUBE -2-	
44		BUCKET -SERVICED ONLY AS A MACHINE ATTACHMENT-	
45	468 313 R1	BAR, RIGHT SIDE CUTTING -FOR 16, 18, 20, 22, 24, 30 AND 36 IN. BUCKET-	
45	486 922 R1	BAR, RIGHT SIDE CUTTING -FOR 24, 30, AND 36 IN. HEAVY DUTY BUCKET-	
45	490 096 R1	BAR, RIGHT SIDE CUTTING -FOR 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET-	
46	468 312 R1	BAR, LEFT SIDE CUTTING -FOR 16, 18, 20, 20, 22, 24, 30 AND 36 IN. BUCKET-	
46	486 921 R1	BAR, LEFT SIDE CUTTING -FOR 24, 30 AND 36 IN. HEAVY DUTY BUCKET-	
46	490 095 R1	BAR, LEFT SIDE CUTTING -FOR 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET-	
47	468 764 R1	BLADE, FRONT CUTTING -FOR 13 IN. BUCKET	
47	483 615 R1	BLADE, FRONT CUTTING -FOR 16 IN. BUCKET-	
47	468 758 R1	BLADE, FRONT CUTTING -FOR 18 IN. BUCKET-	
47	483 621 R1	BLADE, FRONT CUTTING -FOR 20 IN. BUCKET-	
47	483 627 R1	BLADE, FRONT CUTTING -FOR 22 IN. BUCKET-	
47	468 310 R1	BLADE, FRONT CUTTING -FOR 24 IN. BUCKET-	
47	486 919 R1	BLADE, FRONT CUTTING -FOR 24 IN. HIGH CAPACITY HEAVY DUTY AND HEAVY DUTY BUCKET-	
47	472 975 R1	BLADE, FRONT CUTTING -FOR 30 IN. BUCKET-	
47	486 928 R1	BLADE, FRONT CUTTING -FOR 30 IN. HEAVY DUTY BUCKET-	
47	468 770 R1	BLADE, FRONT CUTTING -FOR 36 IN. BUCKET-	
47	480 590 R1	BLADE, FRONT CUTTING -FOR 36 IN. TRENCHING BUCKET-	
47	486 933 R1	BLADE, FRONT CUTTING -FOR 36 IN. HEAVY DUTY BUCKET-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		BOOM, BUCKET, DIPPERSTICK, HYDRAULIC -CONTINUED	
		CYLINDERS AND CONNECTIONS	
48	468 733 R1	TOOTH, POINT -3 USED FOR 13 IN., 4 USED FOR 16, 18 AND 20 IN. 5 USED FOR 22, 24, 6 USED FOR 30 IN., 7 USED FOR 36 IN. BUCKETS-	
48	485 353 R1	POINT, TOOTH -HEAVY DUTY -4 USED FOR 16, 18, 20 AND 24 IN. 5 USED FOR 22 AND 24 IN., 6 USED FOR 30 IN., 7 USED FOR 36 IN. BUCKETS-	
48	532 948 R1	POINT, TOOTH -4 USED 24 IN. HEAVY DUTY BUCKET- -5 USED 30 IN. HEAVY DUTY BUCKET AND 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET- -6 USED 36 IN. HEAVY DUTY BUCKET-	
	486 914 R1	PIN, TOOTH LOCKPIN -1 PER TOOTH	
48	540 085 R1	POINT, LONG ROCK -4 USED 24 IN. HEAVY DUTY BUCKET- -5 USED 30 IN. HEAVY DUTY BUCKET- -6 USED 36 IN. HEAVY DUTY BUCKET-	
48	103 659 C1	POINT, STAR -4 USED 24 IN. HEAVY DUTY BUCKET- -5 USED 30 IN. HEAVY DUTY BUCKET- -6 USED 36 IN. HEAVY DUTY BUCKET- -FOR USE IN SEVERE DIGGING CONDITIONS-	
48	544 872 R1	POINT, WIDE TOOTH -4 USED FOR 16, 18, 20 IN., 5 USED FOR 22 AND 24 IN., 6 USED FOR 30 IN., 7 USED FOR 36 IN.-	
48	544 873 R1	POINT, WIDE TOOTH -4 USED 24 IN. HEAVY DUTY BUCKET- -5 USED 30 IN. HEAVY DUTY BUCKET AND 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET- -6 USED 36 IN. HEAVY DUTY BUCKET-	
49	468 314 R1	SHANK, TOOTH -3 USED FOR 13 IN., 4 USED FOR 16, 18 AND 20 IN., 5 USED FOR 22 AND 24 IN., 6 USED FOR 30 IN., 7 USED 36 IN. BUCKETS-	
49	547 182 R1	SHANK, TOOTH -4 USED 24 IN. HEAVY DUTY BUCKET- -5 USED 30 IN. HEAVY DUTY BUCKET AND 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET- -6 USED 36 IN. HEAVY DUTY BUCKET-	
50	545 856 R1	DIPPERSTICK ASSY	
	109 461	FITTING, 1/8-27 PTF STR LUB -9-	
51	468 280 R1	BUSHING, LINK PIVOT -2-	
52	547 132 R1	BOSS, BUCKET PIVOT -2-	
52	468 316 R1	BOSS, BUCKET PIVOT -4- -FOR USE W/13 IN. BUCKET-	
53	385 616 R93	CYLINDER ASSY, LIFT -2500 AND 3400 SERIES A TRACTORS AND 500C CRAWLER TRACTORS- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
53	399 707 R93	CYLINDER ASSY, LIFT -T7, TD7, T8, TD8, 100C AND 125C CRAWLER TRACTORS- -FOR 2500 AND 3400 TRACTORS WITH LIFT CYLINDER ATTACHMENT- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
54	468 366 R1	BUSHING, BOOM PIVOT CARRIER -4-	
55	468 364 R1	BOSS, SHROUD -2-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		FROST BREAKER ATTACHMENT	

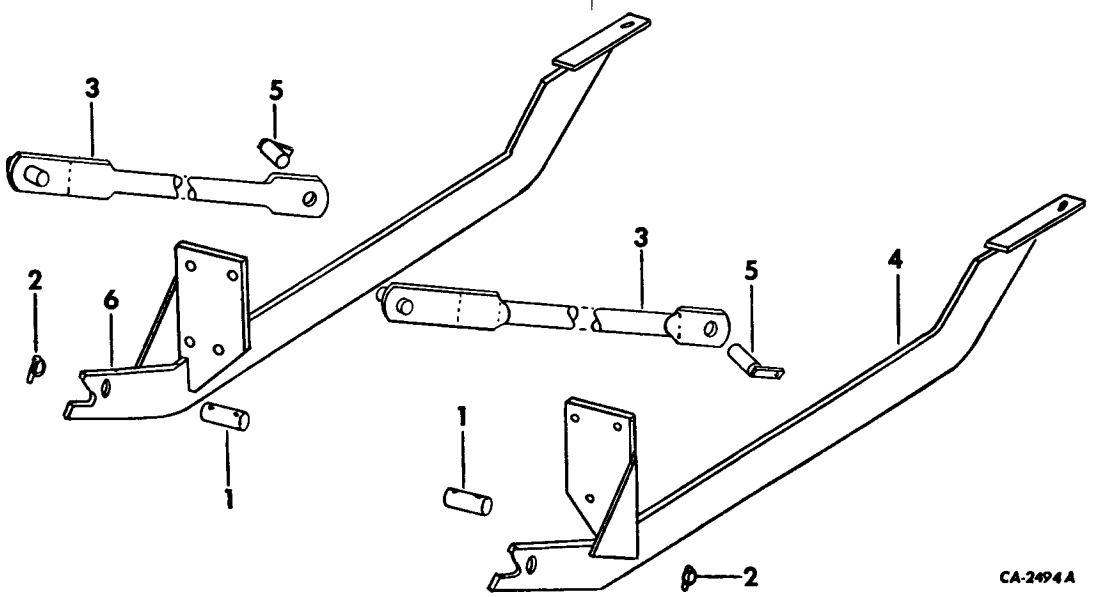


CA-4052

		FROST BREAKER ASSY -SERVICED ONLY AS A MACHINE ATTACHMENT-	
	23 173 R1	PIN, 1/2 X 2.750 C-Z STD-HD -4-	
1	540 087 R1	TOOTH, POINT -FROST BREAKER-	
2	540 088 R1	FLEX PIN, TOOTH POINT	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME
-3400 SERIES A LOADER TRACTORS-



1	543 330 R1	PIN, LOCKING -2- -ALSO SHOWN ON MAIN FRAME, STABILIZER AND PADS LISTING-	
2	621 006 C1	PIN, KLICK -2-	
3	546 044 R1	ROD ASSY, MAIN FRAME -2-	
4	546 036 R3	FRAME ASSY, SUB LH	
5	545 969 R1	PIN ASSY, TIE ROD -2-	
	21 610 R1	SCREW, 3/4-10 X 2-1/2 ZND HEX-HD CAP TYPE 8 -2-	
	467 750 R1	WASHER, 25/32 X 1-1/2 X 11 GA ZND -2	
	22 049 R1	NUT, 3/4-10 ZND HEX. TYPE 8 -2-	
6	546 037 R3	FRAME ASSY, SUB RH	

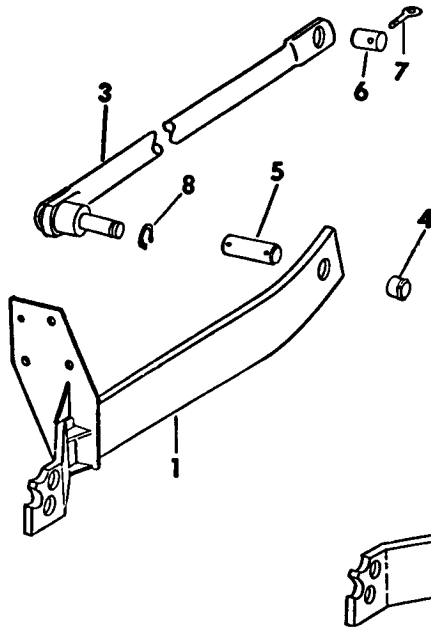
3142 BACKHOE -10- SECTION J

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME -CONTINUED
-3400 SERIES A LOADER TRACTORS-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

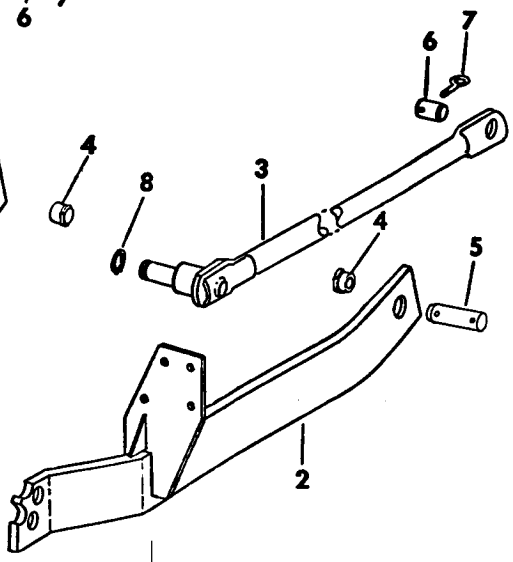
SUBFRAME
-2500 SERIES A TRACTORS-



1	546 109 R1	SUBFRAME ASSY, RH	
2	546 108 R1	SUBFRAME ASSY, LH	
3	546 117 R2	SUPPORT ASSY, MAINFRAME UPPER -2-	
4	469 189 R1	CAM, MOUNTING -2-	
5	546 121 R1	PIN, FRONT SUBFRAME MOUNTING -2-	
	22 872 R1	WASHER, 1-17/32 X 2-1/2 X 11 GA -4-	
	137 303	PIN, 1/4 X 2-1/4 ZND COT. -4-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

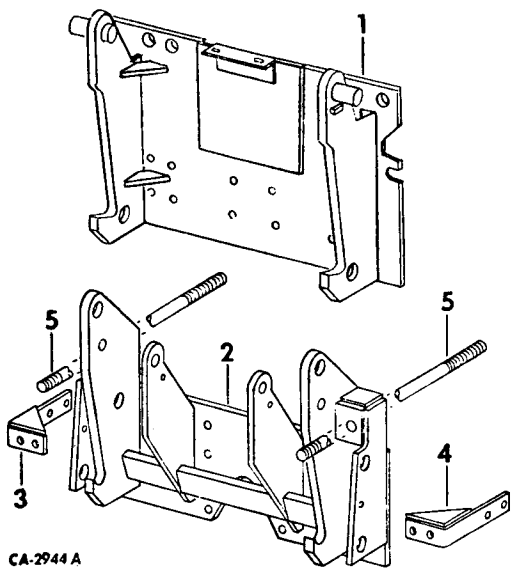
SUBFRAME -CONTINUED
-2500 SERIES A TRACTORS-



6	546 122 R1	PIN, MAINFRAME SUPPORT -2-	
7	544 611 R1	ROD EYE, BAR PIN STRAIGHT -2-	
	180 021	SCREW, 1/4-20 X 7/8 ZND HEX-HD CAP -2-	
	24 958 R1	SCREW, 5/8-11 X 8 ZND HEX-HD CAP TYPE 8 -8-	
	124 589	NUT, 5/8-11 ZND HEX. -8-	
	121 574	WASHER, 5/8 ZND MED LOCK -8-	
8	69 339 R1	RING, RETAINING -2-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME
CRAWLER TRACTORS



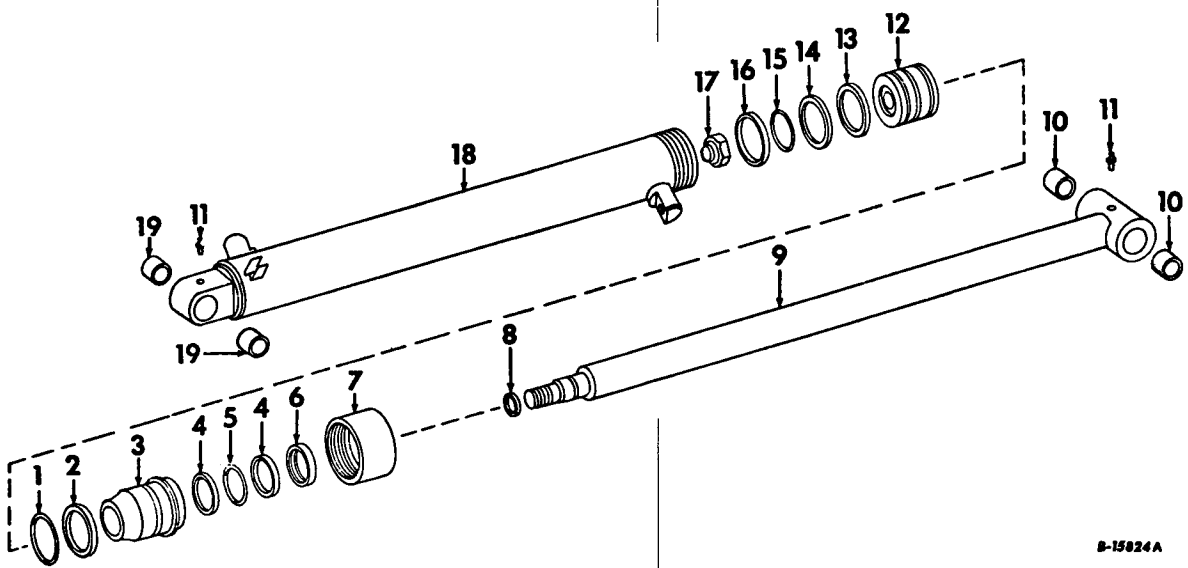
CA-2944 A

1	59 941 C1	FRAME ASSY, BACKHOE MOUNTING	
		-WILL WORK FOR 541 020 R1-	
		-T7, TD7 AND 100C CRAWLER TRACTOR-	
2	59 943 C1	FRAME ASSY, BACKHOE MOUNTING	
		-WILL WORK FOR 541 045 R1-	
		-T8, TD8 AND 125C CRAWLER TRACTOR-	
3	492 453 R1	BRACKET ASSY, REAR EQUIP MTG	
		-500C CRAWLER TRACTOR-	
	636 435 R1	STUD, MOUNTING BRACKET -14-	
	225 861	NUT, 5/8-18 C-Z HEX-HD TYPE 4 -14-	
	271 547	SCREW, 5/8-11 X 1-1/2 HEX-HD CAP -4-	
	469 805 R1	SCREW, 5/8-11 X 2 ZND HEX-HD CAP	
		TYPE 4 -4-	
	124 589	NUT, 5/8-11 C-Z HEX. -4-	
4	492 461 R1	SUPPORT ASSY, LH	
		-500C CRAWLER TRACTOR-	
5	492 462 R1	SUPPORT ASSY, RH	
		-500C CRAWLER TRACTOR-	
6	492 435 R1	ROD, TIE -2-	
		-500C CRAWLER TRACTOR-	
	131 049	WASHER, 1-1/8 C-Z MED LOCK -4-	
	220 094	NUT, 1-1/8-7 C-Z HEX. -4-	

3142 BACKHOE -12- SECTION J
REF. NO. PART NUMBER DESCRIPTION BKH-1

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CYLINDERS



	385 612 R93	CYLINDER ASSY, 3-1/2 X 18.19 -FOR LEFT STABILIZER- -DOUBLE ACTION- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT A-	
	385 613 R93	CYLINDER ASSY, 3-1/2 X 18.19 -FOR RIGHT STABILIZER- -DOUBLE ACTION- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT B-	
	385 616 R93	CYLINDER ASSY, 4 X 33.75 -FOR LIFT -DOUBLE ACTION- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT C-	
	385 609 R94	CYLINDER ASSY, 3-1/2 X 27 -FOR BUCKET- -DOUBLE ACTION- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT D-	
	545 384 R91	CYLINDER ASSY, 4 X 44.32 -FOR CROWD- -DOUBLE ACTION- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT E-	
	544 907 R91	CYLINDER ASSY, 3.5 X 34.30 FOR BUCKET -DOUBLE ACTION- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT F-	
	399 707 R93	CYLINDER ASSY, 4.5 X 33.7-FOR LIFT ATTACHMENT -DOUBLE ACTION- CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT G-	
	385 620 R93	CYLINDER ASSY, 4 X 39.5 HYD FOR LIGHT -DOUBLE ACTION- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT H-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CYLINDERS -CONTINUED

1	352 216 R1	O-RING, 3-1/8 X 3-1/2 X 3/16 -FRONT HEAD- -UNIT A, B, D AND F-	
1	347 801 R1	O-RING, 3-5/8 X 4 X 3/16 -FRONT HEAD- -UNIT C, E AND H-	
1	347 914 R1	O-RING, FRONT HEAD -UNIT G-	
2	381 088 R1	WASHER, FRONT HEAD BACK-UP -UNIT A, B, D AND F-	
2	381 107 R1	WASHER, FRONT HEAD BACK-UP -UNIT C, E AND H-	
2	399 717 R1	WASHER, FRONT HEAD BACK-UP -UNIT G-	
3	381 080 R1	HEAD, FRONT -UNIT A, B, D AND F-	
3	381 106 R1	HEAD, FRONT -UNIT C, E AND H-	
3	545 043 R1	HEAD, FRONT -UNIT G-	
4	381 083 R2	WASHER, PISTON ROD BACK-UP -2- -UNIT A, B, C, D, E, F AND H-	
4	399 716 R2	WASHER, PISTON ROD BACK-UP -UNIT G-	
5	398 978 R1	QUAD RING, PISTON ROD -UNIT A, B, C, D, E, F AND H-	
5	399 715 R1	RING, ROD SEAL QUAD -UNIT G-	
6	619 072 C91	WIPER, PISTON ROD -UNIT A, B, C, D, E, F AND H-	
6	619 069 C91	WIPER, PISTON ROD -UNIT G-	
7	381 089 R1	RING, FRONT HEAD RETAINING -UNIT A, B D AND F-	
7	381 111 R1	RING, FRONT HEAD RETAINING -UNIT C, E AND H-	
7	533 389 R1	RING, FRONT HEAD RETAINING -UNIT G-	
8	252 483 R1	O-RING, 1-1/4 X 1-1/2 X 1/8 -PISTON ROD- -UNIT A, B AND D-	
8	293 739 R1	O-RING, 1-3/8 X 1-5/8 X 1/8 -PISTON ROD- -UNIT C AND H-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CYLINDERS -CONTINUED	
9	381 097 R31	ROD W/TWO BUSHINGS, 468 280 R1, PISTON -UNIT A AND B-	
9	384 254 R21	ROD W/TWO BUSHINGS, 468 366 R1, PISTON -UNIT C-	
9	381 078 R31	ROD W/TWO BUSHINGS, 468 280 R1, PISTON -UNIT D-	
9	545 388 R11	ROD W/TWO BUSHINGS, 468 366 R1, PISTON -UNIT E-	
9	545 187 R11	ROD W/TWO BUSHINGS, 468 280 R1, PISTON -UNIT F-	
9	532 687 R11	ROD W/TWO BUSHINGS, 399 711 R1, PISTON -UNIT G-	
9	384 816 R21	ROD W/TWO BUSHINGS, 468 366 R1, PISTON -UNIT H-	
10	468 280 R1	BUSHING -UNIT A, B, D, AND F- -2-	
10	468 366 R1	BUSHING -UNIT C, E AND H- -2-	
10	399 711 R1	BUSHING -UNIT G- -2-	
11	109 461	FITTING, 1/8-27 PTF STR LUB -2 FOR UNIT A AND B- -1 FOR UNIT C, D, E, F, G & H-	
11	126 152	FITTING, 1/8-27 PTF 45 DEG ANGLE LUB -1 FOR UNIT C, D, E, F, G AND H-	
12	381 084 R3	PISTON -UNIT A, B AND D -USED W/CYLINDERS 385 612 R92, 385 613 R92 AND 385 609 R93	
12	545 188 R1	PISTON, -UNIT A, B, D AND F -USED W/CYLINDERS 385 612 R93, 385 613 R93, 385 609 R94 AND 544 907 R91	
12	384 255 R1	PISTON -UNIT C AND H -USED W/CYLINDERS 385 616 R92 AND 385 620 R92	
12	533 373 R1	PISTON -UNIT C, E AND H -USED W/CYLINDERS 385 616 R93, 545 384 R91 AND 385 620 R93	
12	545 033 R1	PISTON -UNIT G-	
13	383 005 R1	RING, PISTON BEARING -FRONT- -UNIT A, B, D AND F-	
13	383 006 R1	RING, PISTON BEARING - FRONT -UNIT C, E AND H-	
13	399 719 R1	RING, PISTON BEARING -UNIT G-	
14	381 086 R1	SEAL, PISTON -UNIT A, B AND D- -USED W/CYLINDERS 385 612 R92, 385 613 R92 AND 385 609 R93-	
14	381 110 R1	SEAL, PISTON -UNIT C AND H- -USED W/CYLINDERS 385 616 R92 AND 385 620 R92-	
14	533 384 R1	SEAL, PISTON -UNIT G-	
14	533 374 R2	SEAL, PISTON -UNIT C, E AND H -USED W/CYLINDERS 385 616 R93, 545 384 R91 AND 385 620 R93-	
14	545 189 R2	SEAL, PISTON -UNIT A, B, D AND F -USED W/CYLINDERS 385 612 R93, 385 613 R93, 385 609 R94 AND 544 907 R91-	
14	548 415 R1	RING, PISTON SEAL -UNIT G-	
15	380 910 R1	O-RING, 3 X 3-3/ 6 3/32 -PISTON SEAL -UNIT A, B AND D- -USED W/CYLINDERS 385 612 R92, 385 613 R92 AND 385 609 R93-	
15	381 109 R1	O-RING, 3-1/2 X 3-11/16 X 3/32 -PISTON SEAL -UNIT C AND H- -USED W/CYLINDERS 385 616 R92 AND 385 620 R92-	
15	533 375 R1	SEAL, PISTON INNER -UNIT C, E AND H -USED W/CYLINDERS 385 616 R93, 545 384 R91 AND 385 620 R93-	
15	545 190 R1	RING, PISTON INNER -UNIT A, B, D AND F -USED W/CYLINDERS 385 612 R93, 385 613 R93, 385 609 R94 AND 544 907 R91-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CYLINDERS -CONTINUED	
16	383 005 R1	RING, PISTON BEARING REAR -UNIT A, B D AND F-	
16	383 006 R1	RING, PISTON BEARING REAR -UNIT C AND E-	
17	25 126 R1	NUT, 1-1/8 -12 PHC GR HEX LOCK -UNIT A, B, D AND F-	
17	25 049 R1	NUT, 1-1/2-12 CDP HEX. -UNIT C, E AND G	
17	20 769 R1	NUT, 1-1/2-12 CDP HEX. LOCK -UNIT H-	
18	385 614 R92	BODY W/TWO BUSHINGS, 468 280 R1, HYDRAULIC CYLINDER, HYD LH -UNIT A	
18	385 615 R92	BODY W/TWO BUSHINGS, 468 280 R1, HYDRAULIC CYLINDER, HYD RH -UNIT B	
18	385 617 R92	BODY W/TWO BUSHINGS, 468 366 R1 HYDRAULIC CYLINDER -UNIT C-	
18	385 610 R93	BODY W/TWO BUSHINGS, 468 280 R1, HYDRAULIC CYLINDER -UNIT D-	
18	545 386 R91	BODY W/TWO BUSHINGS, 468 366 R , HYDRAULIC CYLINDER -UNIT E-	
18	545 184 R91	BODY W/TWO BUSHINGS, 389 732 R1, HYDRAULIC CYLINDER -UNIT F-	
18	545 031 R91	BODY W/TWO BUSHINGS, 399 711 R1, HYDRAULIC CYLINDER -UNIT G-	
18	385 621 R92	BODY W/TWO BUSHINGS, 468 366 R1, HYDRAULIC CYLINDER -UNIT H-	
19	468 280 R1	BUSHING -UNIT A, B AND D -2-	
19	468 366 R1	BUSHING -UNIT C, E AND H -2-	
19	399 711 R1	BUSHING -UNIT G -2-	
19	389 732 R1	BUSHING -UNIT F -2-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CYLINDERS -CONTINUED

471 267 R95 KIT, HYD CYL SERVICE -UNIT A, B AND D
-CONSISTS OF

1	O-RING	252 483 R1
1	O-RING	352 216 R1
1	O-RING	380 910 R1
1	QUAD-RING	398 978 R1
2	RING	383 005 R1
1	SEAL	381 086 R1
2	WASHER	381 083 R2
1	WASHER	381 088 R1
1	WIPER	619 072 C91
1	SEAL	545 189 R2
1	RING	545 190 R1-

471 266 R96 KIT, HYD CYL SERVICE -UNIT C AND H
-CONSISTS OF

1	O-RING	252 483 R1
1	O-RING	347 801 R1
1	QUAD-RING	398 978 R1
1	O-RING	381 109 R1
1	O-RING	293 739 R1
2	RING	383 006 R91
1	SEAL	381 110 R1
2	WASHER	381 083 R2
1	WASHER	381 107 R1
1	WIPER	619 072 C91
1	SEAL	533 374 R2
1	RING	533 375 R1-

545 831 R92 KIT, HYD CYL SERVICE -UNIT E-
-CONSISTS OF

1	RING	398 978 R1
2	WASHER	381 083 R2
1	WIPER	619 072 C91
2	RING	383 006 R1
1	SEAL	533 374 R2
1	SEAL	533 375 R1
1	O-RING	347 801 R1
1	WASHER	381 107 R1-

545 299 R92 KIT, HYD CYL SERVICE -UNIT F-
-CONSISTS OF

2	RING	383 005 R1
1	RING	545 189 R2
1	O-RING	545 190 R1
1	O-RING	352 216 R1
1	WASHER	381 088 R1
1	RING	398 978 R1
2	WASHER	381 083 R2
1	WIPER	619 072 C91-

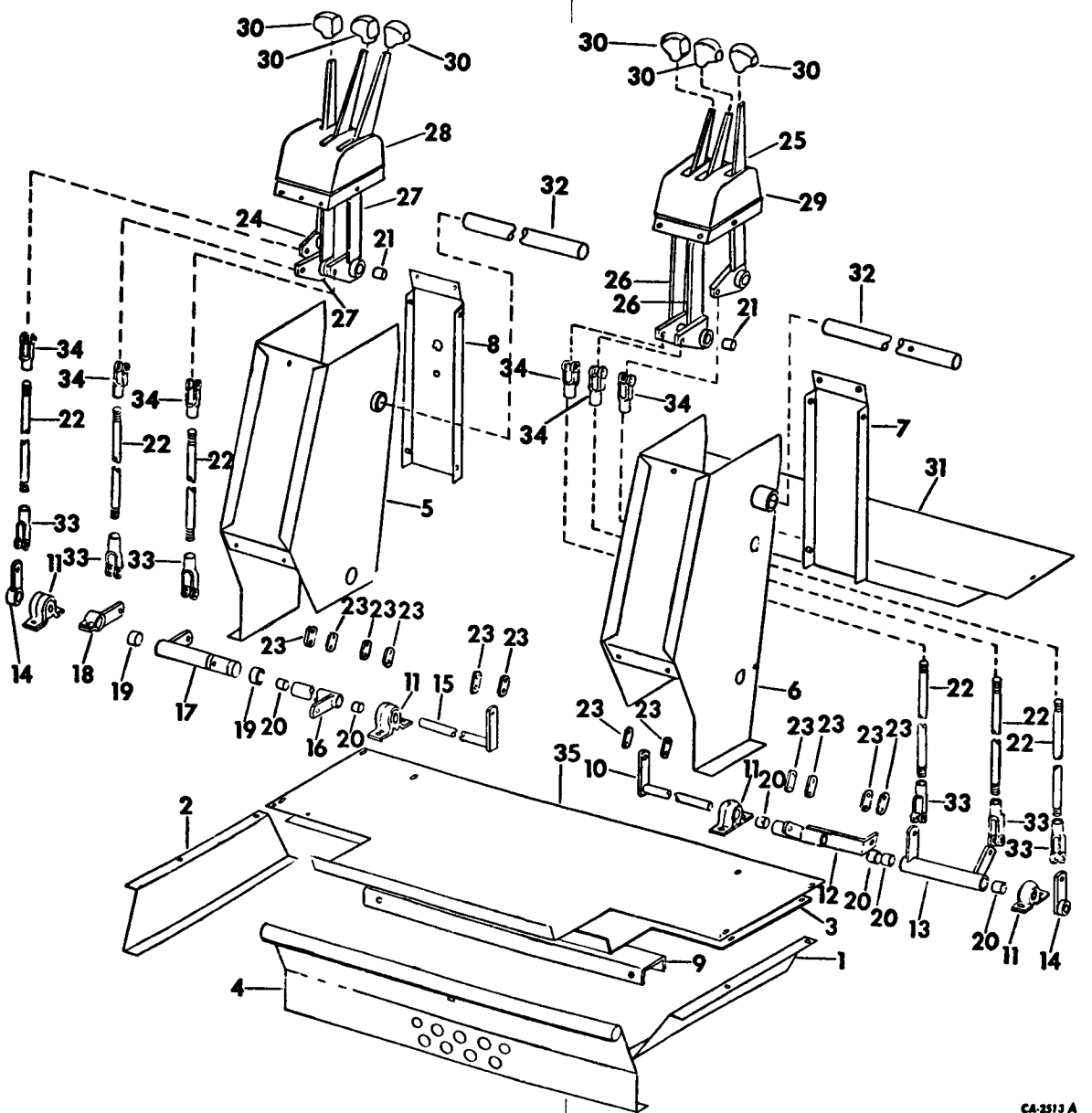
400 656 R94 KIT, HYD CYL SERVICE -UNIT G-
-CONSISTS OF

1	O-RING	347 914 R1
1	O-RING	22 240 R1
1	O-RING	468 339 R1
1	RING	399 715 R1
1	RING	468 340 R1
2	RING	399 719 R1
1	RING	399 721 R1
1	SEAL	548 415 R1
1	SEAL	533 384 R1
1	WIPER	619 069 C91
1	WASHER	399 717 R1
2	WASHER	339 716 R1-

3142 BACKHOE -15- SECTION J
REF. NO. PART NUMBER DESCRIPTION BKH-1

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONTROLS
-3400 SERIES A LOADER TRACTORS-



CA-2513 A

1 545 866 R1 Z BAR ASSY, FLOOR SUPPORT RH

2 545 867 R1 Z BAR ASSY, FLOOR SUPPORT LH

3142 BACKHOE -16- SECTION J

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONTROLS -CONTINUED
-3400 SERIES A LOADER TRACTORS-

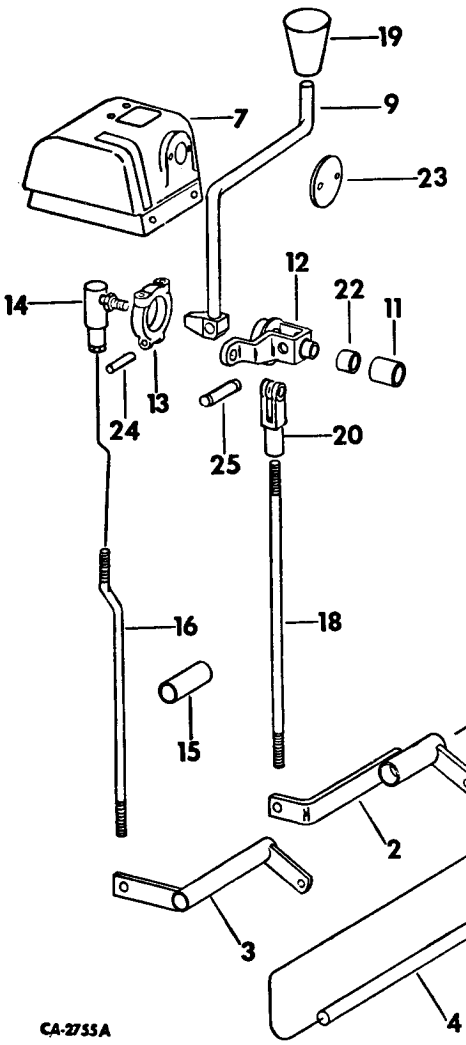
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONTROLS -CONTINUED	
		-3400 SERIES A LOADER TRACTORS-	
3	545 870 R2	SHEET, FLOOR COVER	
	181 622	SCREW, 3/8-16 X 5/8 ZND HEX-HD CAP -12-	
	138 542	WASHER, 3/8 C-Z INT-TOOTH LOCK -16-	
	180 120	SCREW, 3/8-16 X 3/4 ZND HEX-HD CAP -4-	
	21 533 R1	SCREW, 5/16-18 X 5/8 ZND HEX-HD CAP -4-	
	138 540	WASHER, 5/16 C-Z INT-TOOTH LOCK -4-	
	120 376	NUT, 5/16-18 ZND HEX. -4-	
4	545 872 R2	SUPPORT ASSY, FLOOR & TOWER -WILL WORK FOR 545 871 R2-	
	120 879	GROMMET, DIAGONAL CUT	
	120 377	NUT, 3/8-16 ZND HEX. -2-	
5	545 875 R1	TOWER ASSY, LEVER CONTROL LH	
6	545 876 R1	TOWER ASSY, LEVER CONTROL RH	
7	545 885 R1	COVER ASSY, CONTROL TOWER REAR RH	
8	545 884 R1	COVER ASSY, CONTROL TOWER REAR LH	
9	545 888 R1	CHANNEL ASSY, FLOOR SUPPORT	
	180 120	SCREW, 3/8-16 X 3/4 ZND HEX-HD CAP -4-	
	138 542	WASHER, 3/8 C-Z INT-TOOTH LOCK -4-	
10	545 891 R1	SHAFT ASSY, RH STABILIZER CONTROL	
	106 751	KEY, 3/16 X 3/4 WOODRUFF	
	191 950	SCREW, 5/16-18 X 3/8 SET	
11	545 895 R91	BEARING, PILLOW BLOCK -4-	
	180 077	SCREW, 5/16-18 X 3/4 ZND HEX-HD CAP -8-	
	120 393	WASHER, 11/32 X 11/16 X .065 ZND -8-	
	120 214	WASHER, 5/16 ZND MED LOCK -8-	
12	545 909 R2	SHAFT ASSY, BUCKET CONTROL	
13	545 907 R3	TUBE ASSY, SWING CONTROL	
14	533 460 R1	LINK ASSY, STABILIZER -2-	
15	545 890 R1	SHAFT ASSY, LH STABILIZER CONTROL	
	106 751	KEY, 3/16 X 3/4 WOODRUFF	
	191 950	SCREW, 5/16-18 X 3/8 SET	
16	56 646 C2	TUBE ASSY, DIPPERSTICK CONTROL LH -REPLACES 545 896 R1- -ALSO FURNISH CLAMP/56 647 C1 AND SCREW/139 795-	
17	545 908 R3	TUBE ASSY, BOOM CONTROL	
18	56 647 C1	CLAMP ASSY, BOOM CONTROL -REPLACES 545 899 R1- -ALSO FURNISH TUBE/56 646 C2 AND SCREW/139 795-	
	180 077	SCREW, 5/16-18 X 3/4 ZND HEX-HD CAP	
	120 214	WASHER, 5/16 ZND MED LOCK	
	120 376	NUT, 5/16-18 ZND HEX.	
	139 795	SCREW, 3/8-16 X 3/4 SOC HD DOG PT SET	
	124 829	NUT, 3/8-16 HEX.	
19	477 554 R1	BUSHING, CONTROL BOOM LOWER -2- -WILL WORK FOR 545 902 R1-	
20	307 920 R1	BUSHING, CONTROL LOWER -6- -WILL WORK FOR 545 903 R1-	
21	545 904 R1	BUSHING, LEVER CONTROL -6-	
22	545 906 R1	ROD, ADJ -6-	
23	545 905 R1	LINK, CONTROL -12-	
	23 067 R1	PIN, 5/16 X 7/8 ZND STD-HD -12-	
	103 384	PIN, 1/8 X 3/4 COT. -12-	

3142 BACKHOE -17- SECTION J

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONTROLS -CONTINUED	
		-3400 SERIES A LOADER TRACTORS-	
24	545 916 R1	LEVER ASSY, STABILIZER RH	
25	545 917 R1	LEVER ASSY, STABILIZER LH	
26	545 921 R2	LEVER ASSY, BUCKET & SWING -2-	
27	545 923 R2	LEVER ASSY, BOOM & DIPPERSTICK -2-	
28	545 001 R1	COVER, CONTROL TOP RH	
	180 077	SCREW, 5/16-18 X 3/4 ZND HEX-HD CAP -10-	
	138 538	WASHER, 5/16 C-Z INT TOOTH LOCK -10-	
29	545 000 R1	COVER, CONTROL TOP LH	
	443 672	SCREW, 5/16-18 X 3/4 ZN PAN HD SLTD MACH -10-	
	138 538	WASHER, 5/16 C-Z INT-TOOTH LOCK -10-	
30	468 708 R1	KNOB, CONTROL LEVER -6-	
31	545 924 R2	PLATE, FILLER	
	432 616	BUTTON, PLUG -2-	
32	546 032 R1	SHAFT, LAMP -2-	
	144 563	PIN, 1/4 X 1-1/8 GROOVE -2-	
33	148 382	CLEVIS, 3/8 SHORT ADJ ROD END -6-	
34	21 364 R1	CLEVIS, 3/8-24 LH THD -6-	
	120 369	NUT, 3/8-24 ZND HEX. -6-	
	126 189	NUT, 3/8-24 ZND HEX. LH THD -6-	
	138 084	PIN, 3/8 X 1-3/32 C-Z ROD END -12-	
	103 373	PIN, 3/32 X 3/4 COT. -12-	
35	58 451 C1	PLATE, FLOOR	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

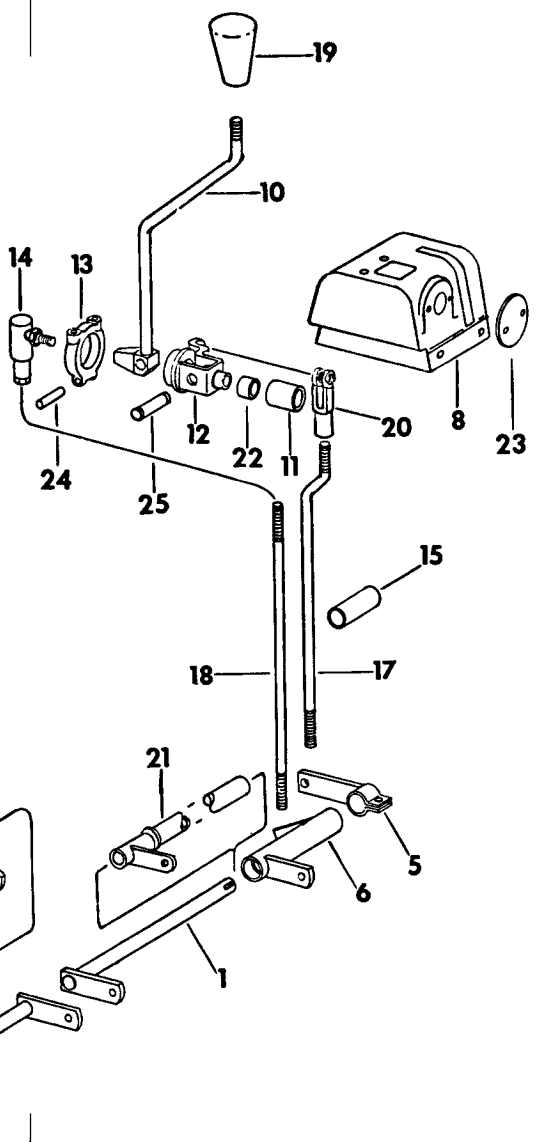
HYDRAULIC CONTROLS
-2 LEVER CONTROL UNIT-
-3400 SERIES A LOADER TRACTORS-



1	547 501 R1	SHAFT ASSY, STABILIZER	
2	547 502 R2	SHAFT ASSY, BOOM CONTROL	
3	547 503 R3	TUBE ASSY, SWING CONTROL	
4	547 505 R1	SHAFT ASSY, STABILIZER	
5	547 506 R1	CLAMP ASSY, BUCKET CONTROL	
	139 795	SCREW, 3/8-16 X 3/4 SOC HD DOG PT SET	
6	547 508 R3	TUBE ASSY, DIPPERSTICK CONTROL	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONTROLS -CONTINUED
-2 LEVER CONTROL UNIT-
-3400 SERIES A LOADER TRACTORS-



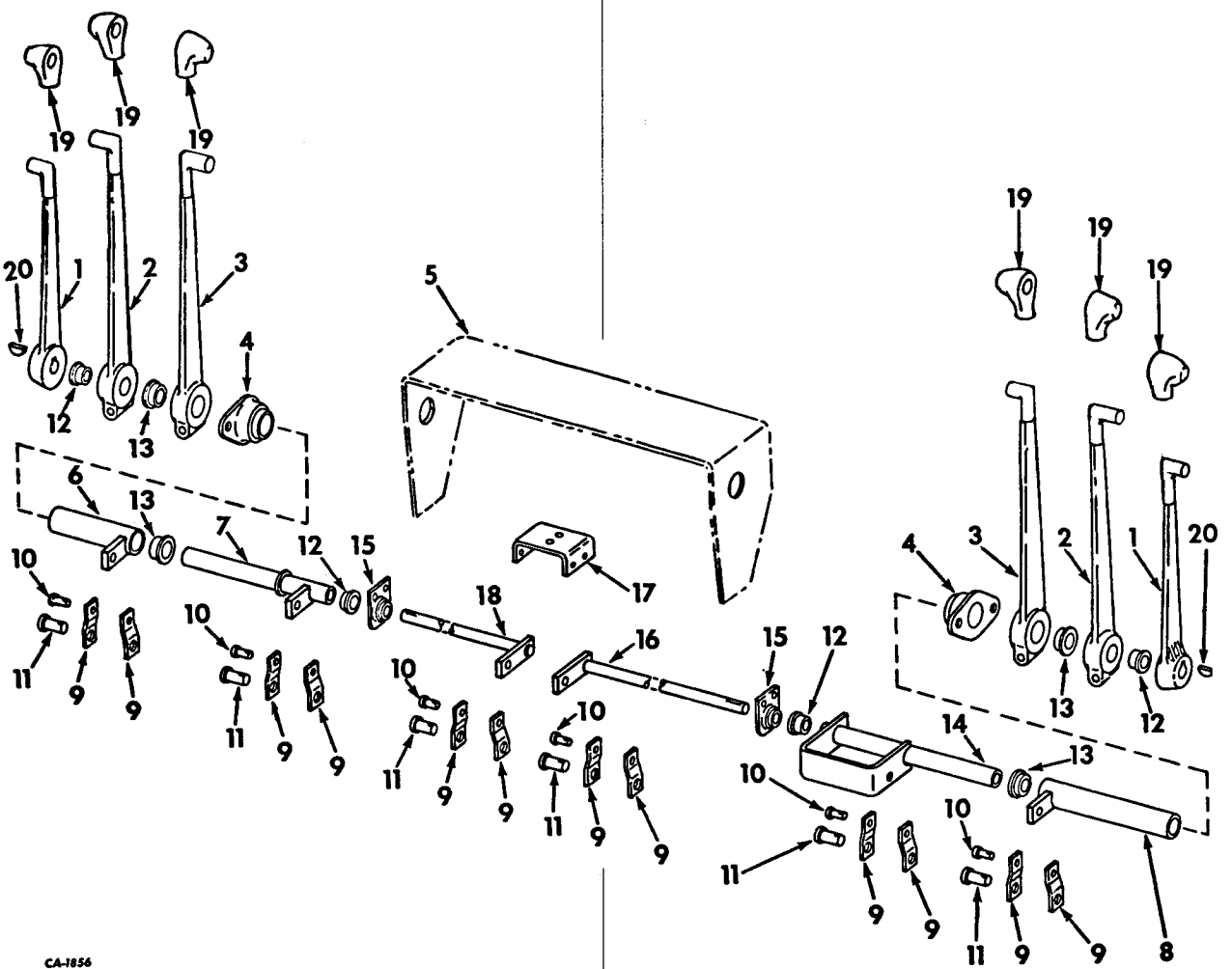
7	547 509 R1	COVER, TOP SINGLE LEVER CONTROL LH
8	547 510 R1	COVER, TOP SINGLE LEVER CONTROL RH
9	547 511 R1	LEVER ASSY, BELLCRANK LH
10	547 512 R1	LEVER ASSY, BELLCRANK RH
11	55 174 C1	BUSHING, SINGLE LEVER CONTROL FRT -2-
12	547 516 R2	BELLCRANK, SINGLE LEVER CONTROL -2-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONTROLS -CONTINUED	
		-2 LEVER CONTROL UNIT-	
		-3400 SERIES A LOADER TRACTORS-	
13	547 517 R2	BUSHING, SINGLE LEVER CONTROL REAR -2-	
	171 026	SCREW, 1/4-20 X 3/4 C-Z HEX-HD SLT TAPPING -4-	
14	392 594 R1	JOINT, ROD END -2-	
	138 542	WASHER, 3/8 LOCK -2-	
	120 369	NUT, 3/8-24 ZND HEX. -2-	
15	547 518 R1	SPACER, SINGLE LEVER CONTROL -2-	
16	547 519 R1	ROD, BELLCRANK LEVER LH	
17	547 520 R1	ROD, BELLCRANK LEVER RH	
18	547 521 R1	ROD, SINGLE LEVER CONTROL -2-	
19	537 784 R1	KNOB, TAPERED -2-	
20	148 382	CLEVIS, 3/8 SHORT ADJ ROD END -2-	
	138 084	PIN, 3/8 ROD END -2-	
	121 222	PIN, 3/32 X 3/4 COT. -2-	
21	56 402 C2	TUBE ASSY, 2 LEVER CONTROL	
22	376 908 R1	BUSHING -2-	
23	55 173 C1	RETAINER, BEARING -2-	
	443 874	SCREW, 10-24 X 1/2 ZND HEX-HD MACH -4-	
	138 534	WASHER, NO. 10 INTERNAL TOOTH LOCKIN -4-	
24	58 686 C1	SPACER, BUSHING	
	180 048	SCREW, 1/4-20 X 2-1/2 ZND HEX-HD CAP -2-	
	121 637	WASHER, 1/4 ZND REG LOCK -2-	
25	58 687 C1	PIN, HANDLE PIVOT -2-	
9	710 043 R1	RING, RETAINING	
	547 620 R1	PRODUCT GRAPHIC, BACKHOE CONTROL	
	547 619 R1	PRODUCT GRAPHIC, BACKHOE CONTROL	

3142 BACKHOE -19- SECTION J

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONTROLS
-2500 SERIES A TRACTORS-



REF. NO.	PART NUMBER	DESCRIPTION	8KH-1
1	544 959 R1	HANDLE, STABILIZER LEVER -2-	
	431 662	SCREW, 3/8 X 3/4 ZND -2- HEX-SOC-HD CUP-PT SET	
2	544 958 R1	HANDLE, DIPPERSTICK AND SWING CONTROL -2-	
	180 132	SCREW, 3/8-16 X 2-1/4 ZND HEX-HD CAP -2-	
	120 377	NUT, 3/8-16 ZND HEX. -2-	
3	544 957 R1	HANDLE, BUCKET & LIFT CONTROL -2-	
	180 132	SCREW, 3/8-16 X 2-1/4 ZND HEX-HD CAP -2-	
	120 377	NUT, 3/8-16 ZND HEX. -2-	
4	608 879 R91	BEARING ASSY -2-	
5		SUPPORT, SEAT -REFER TO CONSOLE, SEAT SUPPORT AND FLOOR PLATES LISTING-	
6	481 670 R91	SHAFT ASSY, LIFT CONTROL	
7	481 675 R91	SHAFT ASSY, CROWD CONTROL	

HYDRAULIC CONTROLS -CONTINUED
-2500 SERIES A TRACTORS-

REF. NO.	PART NUMBER	DESCRIPTION	8KH-1
8	481 667 R91	SHAFT ASSY, BUCKET CONTROL	
9	481 684 R1	LINK, CONTROL VALVE -12-	
10	8 92 1/2	PIN, 3/8 X 7/8 STD HD -6-	
	12 235 R1	PIN, 1/8 X 5/8 C-Z COT. -6-	
11	Q 1 332	PIN, 1/2 X 1-1/8 STD HD -6-	
	108 632	PIN, 3/16 X 7/8 COT. -6-	
12	307 920 R1	BEARING -4-	
13	477 554 R1	BEARING, CENTER CONTROL -4-	
14	481 672 R92	SHAFT ASSY, SWING CONTROL	
15	481 683 R91	BEARING, SELF-ALIGNING -2-	
	180 020	SCREW, 1/4-20 X 3/4 ZND HEX-HD CAP -4-	
	120 380	WASHER, 1/4 ZND MED LOCK -4-	
	120 375	NUT, 1/4-20 ZND HEX. -4-	
16	481 680 R91	SHAFT ASSY, RH STABILIZER CONTROL	

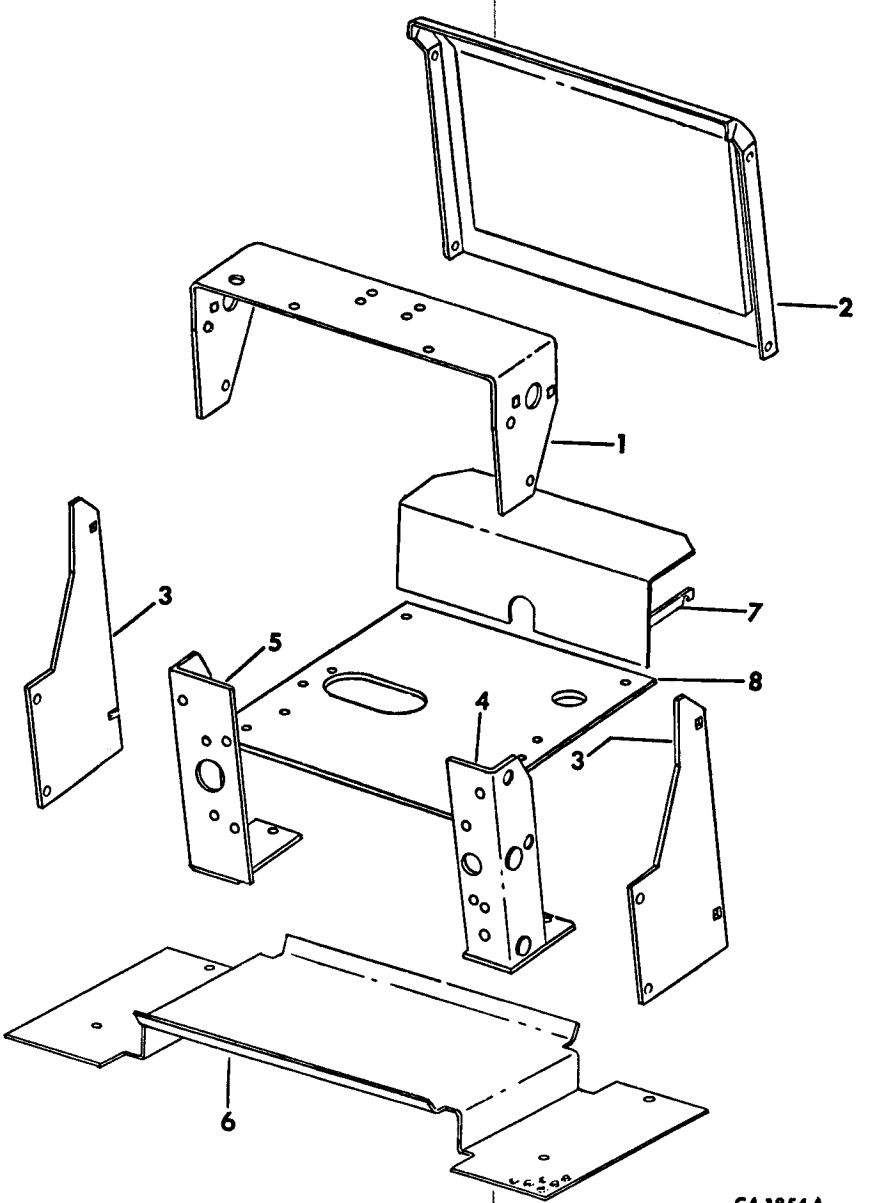
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONTROLS -CONTINUED	
		-2500 SERIES A TRACTORS-	
17	481 664 R1	BRACKET, BRG SUPPORT	
	17 351 R1	BOLT, 3/8 X 1 ZND SQ-NK CRG -4-	
	120 382	WASHER, 3/8 ZND MED LOCK -4-	
	120 377	NUT, 3/8-16 ZND HEX. -4-	
18	481 679 R91	SHAFT ASSY, LH STABILIZER CONTROL	
19	379 022 R2	KNOB, HYD VALVE LEVER -6-	
20	124 549	KEY, 3/16 X 3/4 WOODRUFF NO. 9 -2-	

3142 BACKHOE -21- SECTION J

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

CONSOLE, SEAT SUPPORT AND FLOOR PLATES
-2500 SERIES A TRACTORS-



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1	481 663 R1	SUPPORT, SEAT	
	180 173	SCREW, 1/2-13 X 1 ZND HEX-HD CAP	-4-
	120 384	WASHER, 1/2 ZND MED LOCK	-4-
2	481 686 R1	SHROUD, CONTROL FRT	
3	481 685 R1	SHROUD, CONTROL SIDE	-2-
	180 073	SCREW, 5/16-18 X 1/2 ZND HEX-HD CAP	-4-
	459 063 R1	RETAINER, 5/16 SPEED GRIP NUT	-4-
	180 120	SCREW, 3/8-16 X 3/4 ZND HEX-HD CAP	-4-
	120 382	WASHER, 3/8 ZND MED LOCK	-4-

3142 BACKHOE -22- SECTION J

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

CONSOLE, SEAT SUPPORT AND FLOOR PLATES -CONTINUED
-2500 SERIES A TRACTORS-

4	481 658 R93	BRACKET ASSY, VALVE SUPPORT LH	
	180 124	SCREW, 3/8-16 X 1-1/4 ZND HEX-HD CAP	
	120 382	WASHER, 3/8 ZND MED LOCK	-2-
	120 377	NUT, 3/8-16 ZND HEX.	-2-
5	481 659 R93	BRACKET ASSY, VALVE SUPPORT RH	
	180 124	SCREW, 3/8-16 X 1-1/4 ZND HEX-HD CAP	-2-
	120 382	WASHER, 3/8 ZND MED LOCK	-2-
	120 377	NUT, 3/8-16 ZND HEX.	-2-

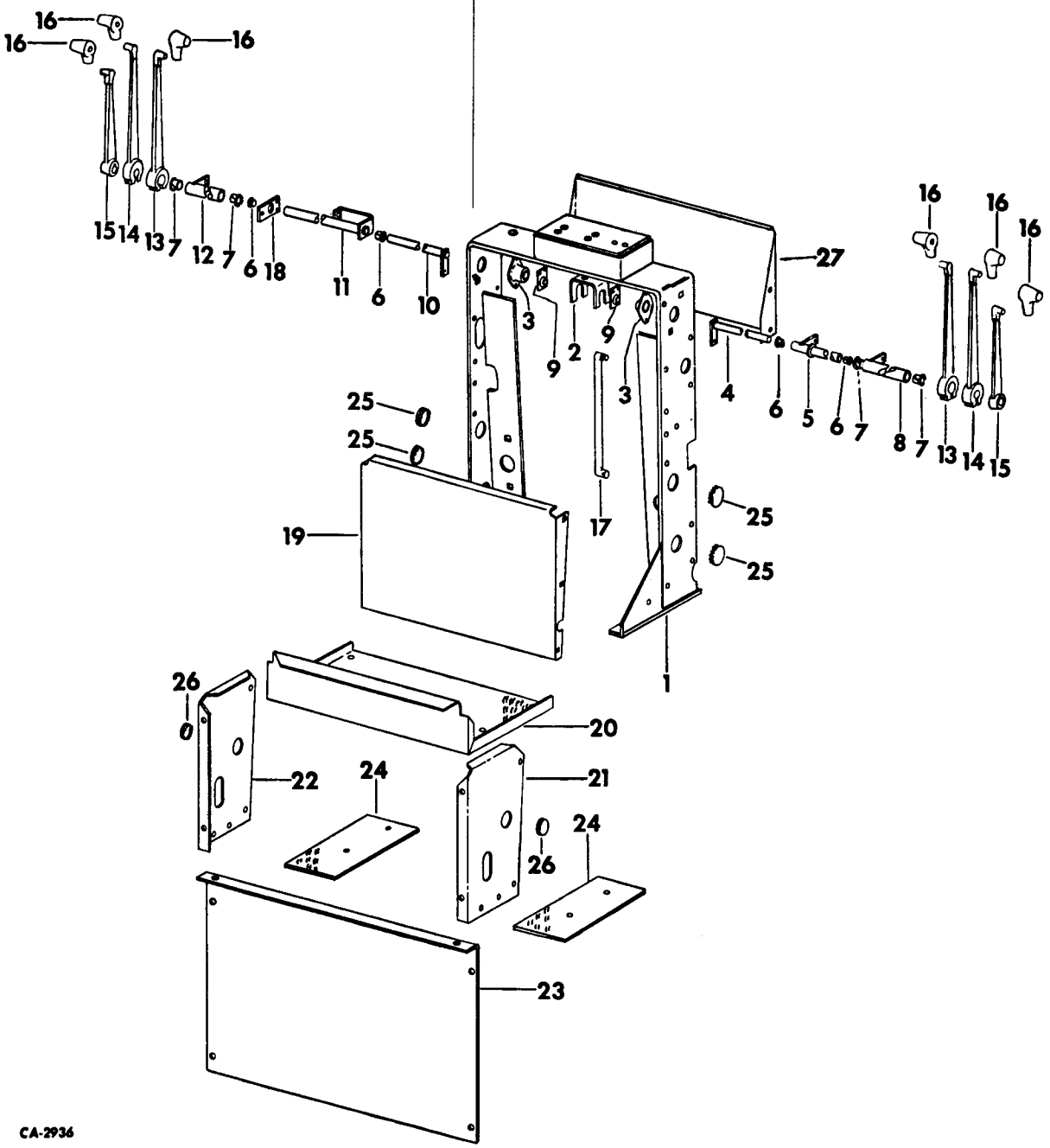
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		CONSOLE, SEAT SUPPORT AND FLOOR PLATES -CONTINUED -2500 SERIES A TRACTORS-	
6	60 511 C1	COVER, FLOOR -REPLACES 481 687 R2, STRIP, 492 598 R1, SPACER 615 860 R1, BRACKET, 546 306 R1 AND BRACKET 545 765 R1-	
	189 304	SCREW, 3/8-16 X 1 ZND HEX-HD CAP -4-	
	120 377	NUT, 3/8-16 ZND HEX. -4-	
7	547 344 R1	COVER ASSY, CONSOLE REAR	
	172 427	SCREW, 1/4-20 X 1/2 ZND HEX-HD TAP. -2-	
	120 392	WASHER, 9/32 X 5/8 X .065 ZND -2-	
8	546 305 R1	PLATE, CONSOLE SUPPORT	
	180 126	SCREW, 3/8-16 X 1-1/2 ZND HEX-HD CAP -4-	
	120 382	WASHER, 3/8 ZND MED LOCK -4-	
	120 377	NUT, 3/8-16 ZND HEX. -4-	

3142 BACKHOE -23- SECTION J

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONTROLS AND FLOOR PLATES
-CRAWLER TRACTORS-



3142 BACKHOE -24- SECTION J

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

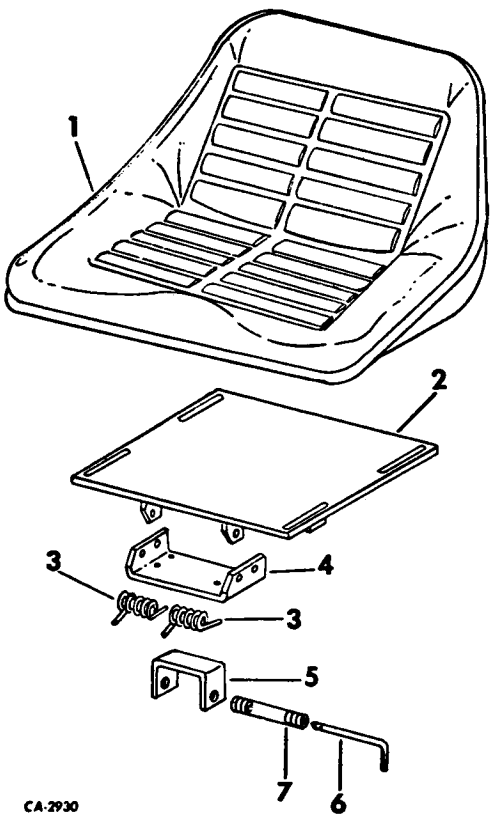
HYDRAULIC CONTROLS AND FLOOR PLATES -CONTINUED
-CRAWLER TRACTORS-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONTROLS AND FLOOR PLATES -CONTINUED -CRAWLER TRACTORS-	
1	548 282 R1	BRACKET ASSY -T7, TD7, T8, TD8, 100C AND 125C CRAWLER TRACTORS-	
1	492 582 R2	BRACKET ASSY -500C CRAWLER TRACTORS-	
	102 634	NUT, 5/16-18 HEX. -4-	
	180 124	SCREW, 3/8-16 X 1-1/4 ZND HEX-HD CAP -4-	
	138 542	WASHER, 3/8 C-Z INT TOOTH -4-	
	120 377	NUT, 3/8-16 C-Z HEX. -4-	
2	481 664 R1	BRACKET, BEARING SUPPORT	
3	608 879 R91	BEARING ASSY -2-	
	17 351 R1	BOLT, 3/8 X 1 C-Z SQ-NK CRG -4-	
	138 542	WASHER, 3/8 C-Z INT TOOTH LOCK -4-	
	120 377	NUT, 3/8-16 C-Z HEX. -4-	
4	492 589 R1	SHAFT ASSY, STABILIZER CONTROL RH	
5	481 675 R91	SHAFT ASSY, CROWD CONTROL	
6	307 920 R1	BEARING -4-	
7	477 554 R1	BEARING, CENTER CONTROL -4-	
8	481 670 R91	SHAFT ASSY, LIFT CONTROL	
9	481 683 R91	BEARING ASSY, SELF ALIGNING -2-	
	180 020	SCREW, 1/4-20 X 3/4 ZND HEX-HD CAP -4-	
	120 423	WASHER, 1/4 C-Z INT TOOTH LOCK -4-	
	120 375	NUT, 1/4-20 C-Z HEX. -4-	
10	492 588 R1	SHAFT ASSY, STABILIZER CONTROL LH	
11	492 585 R1	SHAFT ASSY, SWING CONTROL	
12	481 667 R91	SHAFT ASSY, BUCKET CONTROL	
13	544 957 R1	HANDLE, BUCKET & BOOM CONTROL -2-	
	180 128	SCREW, 3/8-16 X 1-3/4 ZND HEX-HD CAP -2-	
14	544 958 R1	HANDLE, CROWD & SWING CONTROL -2-	
	180 128	SCREW, 3/8-16 X 1-3/4 ZND HEX-HD CAP -2-	
15	544 959 R1	HANDLE, STABILIZER CONTROL -2-	
	431 662	SCREW, 3/8-16 X 3/4 ZND HEX-SOC-HD CUP-PT SET -2-	
	124 549	KEY, 3/16 X 3/4 WOODRUFF NO. 9 -2-	
16	379 022 R2	KNOB, CONTROL HANDLE -6-	
17	492 590 R1	LINK, CONTROL VALVE -6-	
	103 343	WASHER, 17/32 X 1-1/16X 13 GA -6-	
	103 373	PIN, 3/32 X 3/4 COT. -12-	
	103 341	WASHER, 13/32 X 13/16 X 16 GA -6-	
18	492 587 R1	PLATE, SWING SUPPORT	
	180 079	SCREW, 5/16-18 X 1 ZND HEX-HD CAP -2-	
	138 538	WASHER, 5/16 C-Z INT TOOTH LOCK -2-	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
19	492 597 R2	SHEET, COVER	
	483 360 R91	NUT, CAGE -6-	
20	492 596 R2	SHEET, FLOOR	
	180 120	SCREW, 3/8-16 X 3/4 ZND HEX-HD CAP -6-	
	138 542	WASHER, 3/8 C-Z INT TOOTH LOCK -6-	
	120 377	NUT, 3/8-16 C-Z HEX. -6-	
21	543 674 R1	SUPPORT ASSY, CHECK VALVE -T7, TD7, T8, TD8, 100C AND 125C CRAWLER TRACTORS-	
21	492 591 R1	SHEET ASSY, SIDE LH -500C CRAWLER TRACTORS-	

3142 BACKHOE -25- SECTION J

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONTROLS AND FLOOR PLATES -CONTINUED -CRAWLER TRACTORS-	
22	492 592 R1	SHEET ASSY, RH	
	180 126	SCREW, 3/8-16 X 1-1/4 ZND HEX-HD CAP -6-	
	138 542	WASHER, 3/8 C-Z INT TOOTH LOCK -6-	
	120 377	NUT, 3/8-16 C-Z HEX. -6-	
	180 077	SCREW, 5/16-18 X 3/4 ZND HEX-HD CAP -6-	
	180 075	SCREW, 5/16-18 X 5/8 ZND HEX-HD CAP -12-	
	115 548	WASHER, 5/16 C-Z MED SPRING LOCK -12-	
23	492 595 R1	SHEET, VALVE COVER	
24	492 598 R1	BAR, SIDE FLOOR PLATE -2-	
	180 120	SCREW, 3/8-16 X 3/4 ZND HEX-HD CAP -4-	
	120 377	NUT, 3/8-16 C-Z HEX. -4-	
25	432 420	PLUG, 1-5/8 BUTTON -4-	
26	432 571	PLUG, 1-7/8 C-Z BUTTON -2-	
27	542 911 R1	SHEET, CONSOLE REAR COVER -500C CRAWLER TRACTORS-	
	178 081	PLUG, 1-3/8 BUTTON	

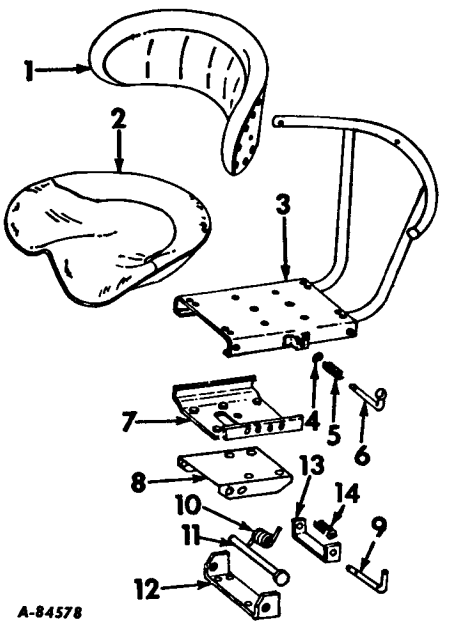
SEAT AND SEAT SUPPORT
-2500 SERIES A TRACTORS-



REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
1	528 844 R1	SEAT ASSY	
	180 078	SCREW, 5/16-18 X 7/8 ZND HEX-HD CAP -4-	
	120 393	WASHER, 11/32 X 11/16 ZND FLAT -8-	
	120 214	WASHER, 5/16 ZND MED LOCK -4-	
2	546 647 R1	SUPPORT ASSY, SEAT	
	625 326 R1	PIN, 3/8 X 6 STD HD	
3	15 068 E8	SPRING, SEAT TORSION -2-	
	120 394	WASHER, 13/32 X 13/16 X .051	
	103 384	PIN, 1/8 X 3/4 COT.	
4	477 567 R1	BRACKET, SEAT	
	180 081	SCREW, 5/16-18 X 1-1/4 ZND HEX-HD CAP -4-	
	120 214	WASHER, 5/16 ZND MED LOCK -4-	
	120 376	NUT, 5/16-18 ZND HEX. -4-	
5	484 481 R1	BRACKET, SEAT LOCK	
	453 049	SCREW, 1/4-20 X 3/4 ZND PAN-HD SLT -2-	
	120 380	WASHER, 1/4 ZND MED LOCK -2-	
	120 375	NUT, 1/4-20 ZND HEX. -2-	
6	484 482 R1	ROD, SEAT LATCH HANDLE	
	120 394	WASHER, 13/32 X 23/16 X .051	
	103 384	PIN, 1/8 X 3/4 COT.	
7	359 109 R2	SPRING	

3142 BACKHOE -26- SECTION J

SEAT AND SUPPORT
CRAWLER TRACTORS-



REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	469 119 R91	SEAT ASSY, BACKHOE PREMIER -CONSISTS OF REF. NOS 1 THROUGH 7-	
1	469 121 R91	BACKREST ASSY, PREMIER	
2	469 122 R91	CUSHION ASSY, PREMIER SEAT	
	120 368	NUT, 5/16-24 - C-Z HEX. -4-	
	120 214	WASHER, 5/16 LOCK - C-Z -4-	
3	469 120 R91	FRAME ASSY, HI-BACK PREMIER	
9	413 946	NUT, 1/4 STOVER HEX LOCK - CAD PLTD.	
	155 338	SCREW, 1/4 X 1/2 RD HD CROSS RECESS MACH C-Z	
	155 358	SCREW, 1/4 X 1 RD HD CROSS RECESS MACH C-Z -3-	
4	104 977 R1	RING , SLIDE HANDLE RETAINING	
5	469 125 R1	SPRING, SLIDE ADJUSTING PLUNGER	
6	469 124 R11	PLUNGER W/KNOB ASSY, SLIDE ADJUSTING	
	103 340	WASHER, 11/32 X 11/16 X 16 GA. FLAT	
7	469 123 R11	SLIDE ASSY, LOWER	
	180 075	SCREW, 5/16-18 X 5/8 C-Z HEX-HD CAP -4-	
	120 214	WASHER, 5/16 C-Z MED LOCK -4-	
8	540 967 R2	SUPPORT ASSY, SEAT	
	180 077	SCREW, 5/16-18 X 3/4 ZND HEX-HD CAP -4-	
	138 538	WASHER, 5/16 C-Z INT-TOOTH LOCK -4-	
9	484 482 R1	ROD, SEAT LATCH HANDLE	
	103 384	PIN, 1/8 X 3/4 COT.	
	120 394	WASHER, 13/32 X 13/16 X .051	
10	15 068 E8	SPRING, SEAT	
11	625 326 R1	PIN, 3/8 X 6 STD-HD	
	120 394	WASHER, 13/32 X 13/16 X .051	
	103 384	PIN, 1/8 X 3/4 COT.	

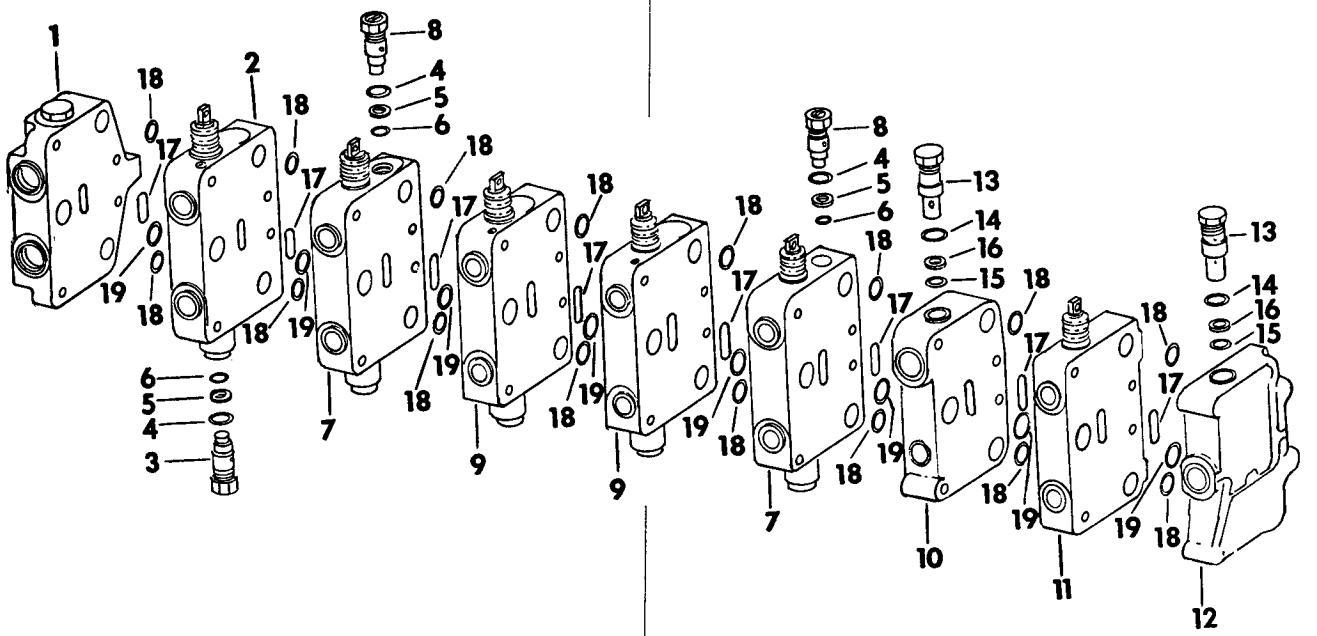
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		SEAT AND SUPPORT -CONTINUED	
		CRAWLER TRACTORS-	
12	477 567 R1	BRACKET, SEAT	
	120 376	NUT, 5/16-18 C-Z HEX. -4-	
	180 081	SCREW, 5/16-18 X 1-1/4 C-Z HEX-HD CAP -4-	
	120 214	WASHER, 5/16 C-Z MED LOCK -4-	
13	484 481 R1	BRACKET, SEAT LATCH	
	120 375	NUT, 1/4-20 C-Z HEX -2-	
	453 049	SCREW, 1/4-20 X 3/4 PAN-HD SLT -2-	
	120 380	WASHER, 1/4 C-Z MED LOCK -2-	
14	359 109 R2	SPRING	

3142 BACKHOE -27- SECTION J

REF. NO. PART NUMBER DESCRIPTION BKH-1

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONTROL VALVE
-FOUR LEVER CONTROLS-
-3400 SERIES A LOADER TRACTORS-



CA-2489

1	537 850 R93	END PLATE ASSY, LH -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF END PLATE ASSY LISTING-	
	537 852 R1	TIE BOLT -4-	
	103 321	WASHER, 3/8 REG LOCK -4-	
2	537 853 R93	VALVE SECTION-BOOM -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF SECTION VALVE LISTING-	
3	537 856 R91	RELIEF VALVE ASSY FOR BOOM VALVE SECTION	
4	369 908 R1	O-RING, 13/16 X 1 X 3/32 -3-	
5	387 434 R1	BACK-UP WASHER -3-	
6	379 181 R1	O-RING, 3/4 X 5/8 X 1/16 -3-	
7	537 855 R93	VALVE SECTION-BUCKET AND DIPPERSTICK -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF SECTION VALVE LISTING-	
8	537 856 R91	RELIEF VALVE ASSY -2- FOR BUCKET & DIPPERSTICK VALVE SECTIONS	
9	535 644 R93	VALVE SECTION-STABILIZER -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF SECTION VALVE LISTING-	
10	537 857 R92	ADAPTOR ASSY, RH -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF RH ADAPTER ASSY LISTING-	

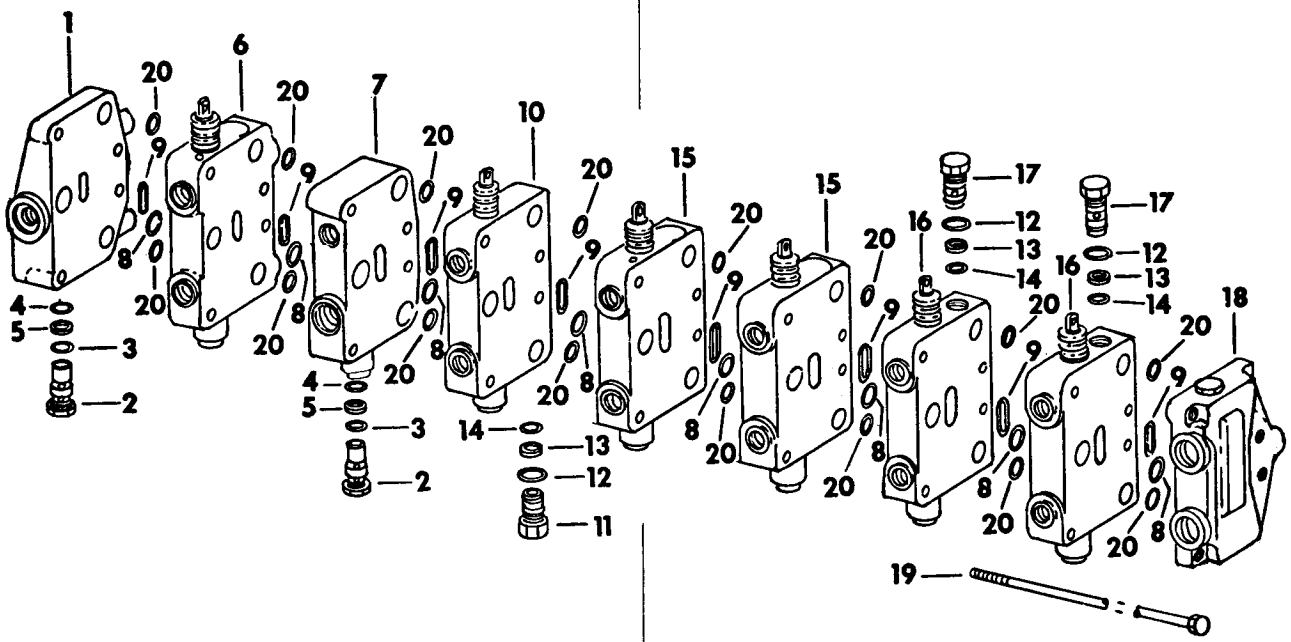
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONTROL VALVE -CONTINUED
-FOUR LEVER CONTROLS-
-3400 SERIES A LOADER TRACTORS-

11	537 858 R92	VALVE SECTION-SWING -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF SECTION VALVE LISTING-
12	537 860 R1	PORT PLATE, RH
13	537 859 R91	RELIEF VALVE ASSY -2- -INCLUDES REF NO. 14- -FOR PORT PLATE & ADAPTER-
14	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32 -2-
15	362 796 R1	O-RING, 15/16 X 1-1/8 X 3/32
16	535 606 R1	BACK-UP WASHER
17	536 663 R2	SEAL RING, SPECIAL -8-
18	370 943 R1	O-RING, 1-1/8 X 1-1/4 X -16- 1/16
19	24 472 R1	O-RING, 1-3/8 X 1-1/2 X -8-
	537 861 R91	KIT, SEAL REPAIR -FOR RH PORT PLATE/537 860 R2- -CONSISTS OF 1 O-RING 364 879 R1 1 O-RING 362 796 R1 1 WASHER 539 533 R1-
	538 596 R94	KIT, BETWEEN SECTION & SPOOL SEAL -REPAIR- -CONSISTS OF REF NOS. 17, 18, AND 19-

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

HYDRAULIC CONTROL VALVES
-TWO LEVER CONTROL UNIT-
-3400 SERIES A LOADER TRACTORS-



CA-2762

REF. NO.	PART NUMBER	DESCRIPTION
1	537 913 R1	PORT PLATE, LH
2	537 859 R91	RELIEF VALVE ASSY -2- -INCLUDES REF. NO. 3-
3	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32 -2-
4	362 796 R1	O-RING, 15/16 X 1-1/8 X 3/32
5	535 606 R1	BACK-UP WASHER
6	537 858 R91	VALVE SECTION-SWING -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF SECTION VALVE LISTING-
7	537 914 R92	ADAPTER ASSY, LH -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF LH ADAPTER ASSY
8	24 472 R1	O-RING, 1-3/8 X 1-1/2 X 1/16 -8-
9	536 663 R1	SEAL RING, SPECIAL -8-
10	537 853 R93	VALVE SECTION-BOOM -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF SECTION VALVE LISTING-
11	537 856 R91	RELIEF VALVE ASSY FOR BOOM VALVE SECTION -INCLUDES REF. NOS. 12, 13 & 14-
12	369 908 R1	O-RING, 13/16 X 1 X 3/32 -3-
13	387 434 R1	WASHER, BACK-UP -3-
14	379 181 R1	O-RING, 3/4 X 5/8 X 1/16 -3-

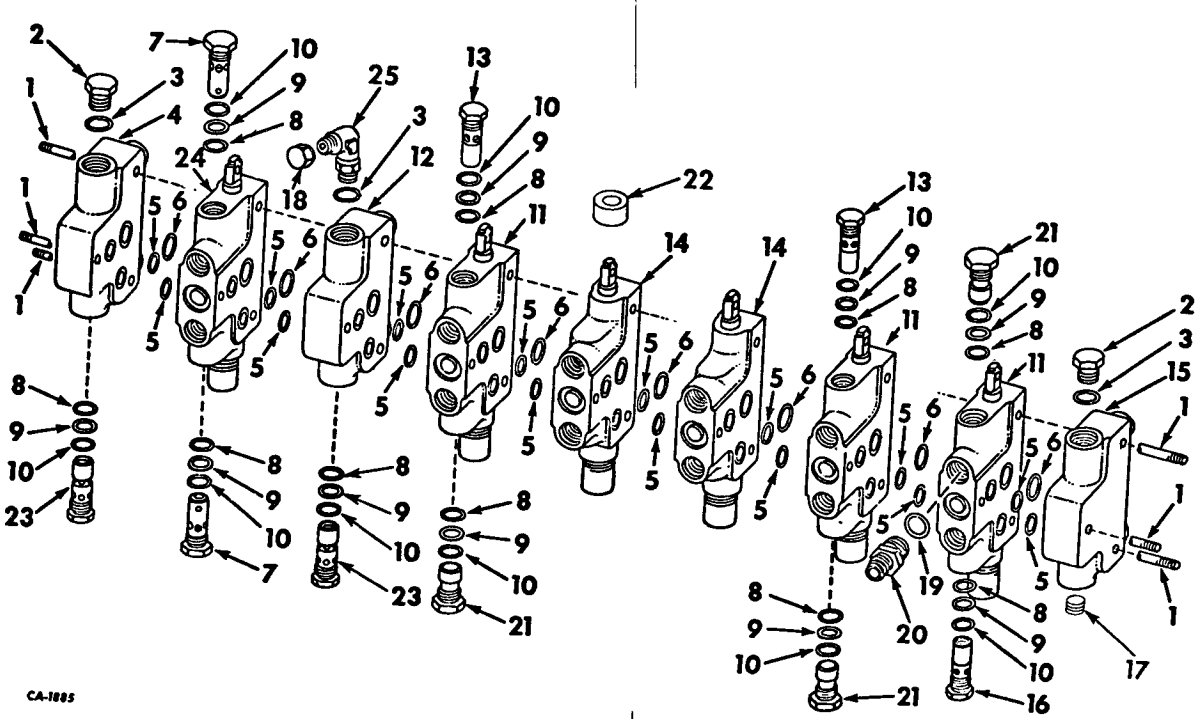
REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

HYDRAULIC CONTROL VALVES -CONTINUED
-TWO LEVER CONTROL UNIT-
-3400 SERIES A LOADER TRACTORS-

REF. NO.	PART NUMBER	DESCRIPTION
15	535 644 R93	VALVE SECTION-STABILIZER -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF SECTION VALVE LISTING-
16	537 855 R93	VALVE SECTION-BUCKET & DIPPERSTICK -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF SECTION VALVE LISTING-
17	537 856 R91	RELIEF VALVE ASSY -2- FOR BUCKET & DIPPERSTICK VALVE SECTIONS -INCLUDES REF. NOS. 12, 13 & 14-
18	537 915 R92	END PLATE ASSY, RH -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF RH END PLATE ASSY
19	537 852 R1	TIE BOLT -4-
	103 321	WASHER, 3/8 REG LOCK -4-
20	370 943 R1	O-RING, 1-1/8 X 1-1/4 X 1/16 -16-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONTROL VALVES -2500 SERIES A TRACTORS-



1	392 971 R1	ROD, TIE -3-	
	102 635	NUT, 3/8-16 HEX. -6-	
	527 476 R1	WASHER, 3/8 LOCK -6-	
2	9 410 362	PLUG, 1-3/16 C-Z STR THD O-RING BOSS FOR 7/8 TUBE -2- OUTLET VALVE COVER -LARGE-	
3	297 459 R1	O-RING, 1-3/64 X 1-9/32 X 7/64 -3-	
4	392 968 R2	COVER, LEFT SIDE END	
5	381 884 R1	O-RING, 1 X 1-3/16 X 3/32 -16- -VALVE OUTLET COVER-	
6	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32 -8- -VALVE OUTLET COVER-	
7	387 229 R91	VALVE ASSY, ANTI-CAVITATION -2-	
8	383 219 R1	O-RING, 15/16 X 1-1/8 X 3/32 -10- -PILOT OPERATED RELIEF VALVE-	
9	378 985 R2	WASHER, PILOT OPERATED RELIEF VALVE BACKUP -10-	
10	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32 -10- -PILOT OPERATED RELIEF VALVE-	
11	394 705 R96	VALVE ASSY, HYD OPEN CENTER CONTROL -3- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-	
12	395 006 R2	COVER, CENTER	
13	382 479 R91	VALVE ASSY, CUSHION RELIEF- 2500 P.S.I.	

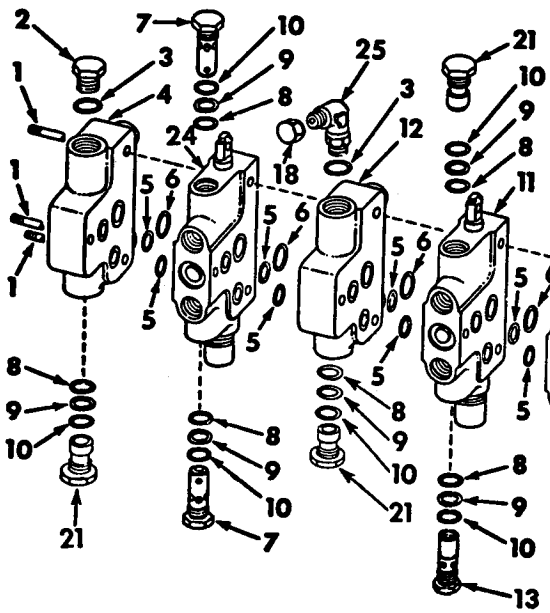
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONTROL VALVES -CONTINUED -2500 SERIES A TRACTORS-

14	383 271 R96	VALVE ASSY, HYD OPEN CENTER CONTROL -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-	
15	546 105 R1	COVER, RIGHT SIDE END	
16	547 243 R91	VALVE ASSY, CUSHION RELIEF 2750 PSI -2-	
17	444 709	PLUG, 3/4-14 AUTO HEX-SOC HD PIPE	
18	9 403 375	CAP, 1-3/16-12 37 DEG HYD FLARED TUBE	
19	364 885 R1	O-RING, 5/8 OD TUBE	
20	397 699 R1	UNION ASSY, ORIFICE	
21	378 899 R1	PLUG, RELIEF VALVE CHAMBER -3-	
22	543 201 R1	SEAL, VALVE SPOOL DUST -6-	
	20 703 R1	WASHER, 29/32 X 1-3/4 X 16 GA ZND -6-	
23	396 729 R92	VALVE ASSY, PILOT OPERATED RELIEF 2250 PSI -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF PILOT RELIEF VALVE-	
24	383 270 R94	VALVE ASSY, HYD OPEN CENTER CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-	
25	9 410 980	ELBOW, 1-3/16-12 C-Z 37 DEG HYDRAULIC FLARED TUBE	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

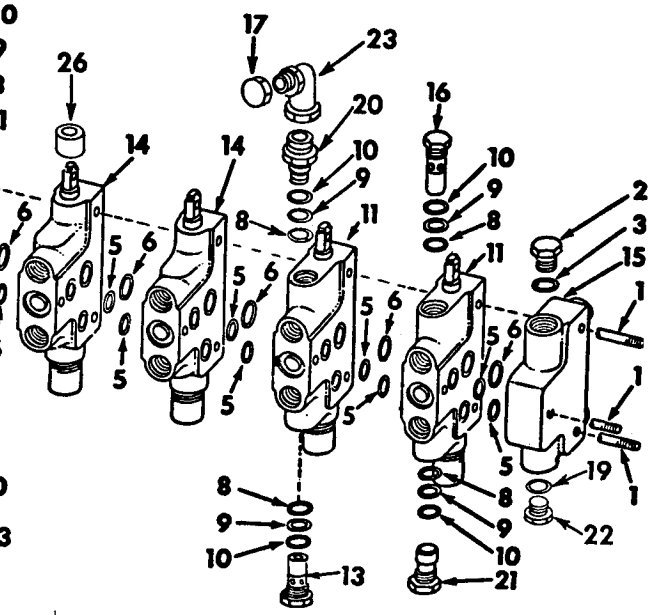
HYDRAULIC CONTROL VALVES
-T7, TD7, T8, TD8, 100C AND 125C
CRAWLER TRACTORS-



REF. NO.	PART NUMBER	DESCRIPTION
1	392 971 R1	ROD, TIE -3-
	102 635	NUT, 3/8-16 HEX. -6-
	527 476 R1	WASHER, 3/8 LOCK -6-
2	9 410 362	PLUG, 1-3/16 C-Z STR THD O-RING BOSS OUTLET VALVE COVER -LARGE-
3	297 459 R1	O-RING, 1-3/64 X 1-9/32 X 7/64 -3-
4	392 968 R2	COVER, LEFT SIDE END
5	381 884 R1	O-RING, 1 X 1-3/16 X 3/32 -16- -VALVE OUTLET COVER-
6	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32 -8- -VALVE OUTLET COVER-
7	387 229 R91	VALVE ASSY, ANTI-CAVITATION -2-
8	383 219 R1	O-RING, 15/16 X 1-1/8 X 3/32 -10-
9	378 985 R2	WASHER, PILOT OPERATED RELIEF VALVE BACKUP -10-
10	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32 -10-
11	394 705 R96	VALVE ASSY, HYD OPEN CENTER CONTROL -3- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-
12	395 006 R2	COVER, CENTER
13	382 479 R91	VALVE ASSY, CUSHION RELIEF- 2500 P.S.I. -2-

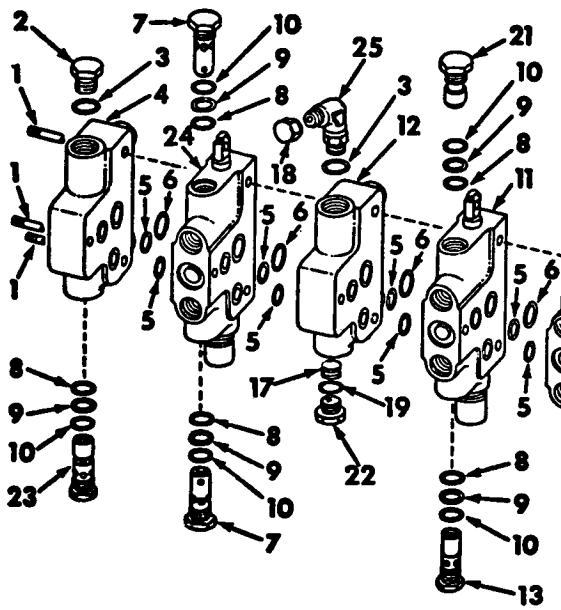
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONTROL VALVES -CONTINUED
-T7, TD7, T8, TD8, 100C AND 125C
CRAWLER TRACTORS-



REF. NO.	PART NUMBER	DESCRIPTION
14	383 271 R96	VALVE ASSY, HYD OPEN CENTER CONTROL -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-
15	392 970 R1	COVER, RIGHT SIDE END
16	382 928 R91	VALVE ASSY, CUSHION RELIEF 2000 PSI
17	9 403 376	CAP, 1-5/16-12 ZND 37 DEG FLARED TUBE
18	9 403 375	CAP, 1-3/16-12 37 DEG HYD FLARED TUBE
19	364 885 R1	O-RING, 3/4 X 15/16 X 3/32
20	543 691 R1	PLUG, W/OPEN PORT
21	378 899 R1	PLUG, RELIEF VALVE CHAMBER -4-
22	9 410 360	PLUG, 7/8-14 ZND STR-THD O-RING BOSS
23	9 410 285	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL
24	383 270 R94	VALVE ASSY, HYD OPEN CENTER CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-
25	9 410 980	ELBOW, 1-3/16-12 C-Z 37 DEG HYDRAULIC FLARED TUBE 90 DEG
26	543 201 R1	SEAL, VALVE SPOOL DUST -6-
	20 703 R1	WASHER, 29/32 X 1-3/4 X 16 GA ZND -6-

HYDRAULIC CONTROL VALVES
-FOR 500C CRAWLER TRACTORS-



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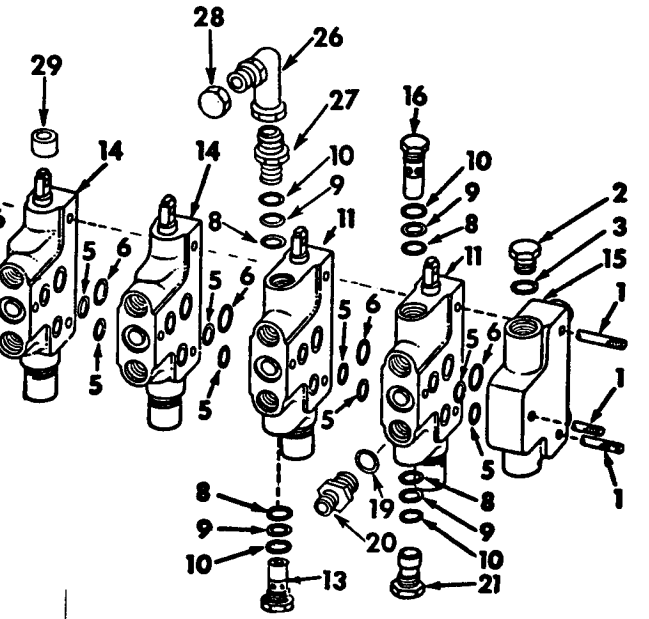
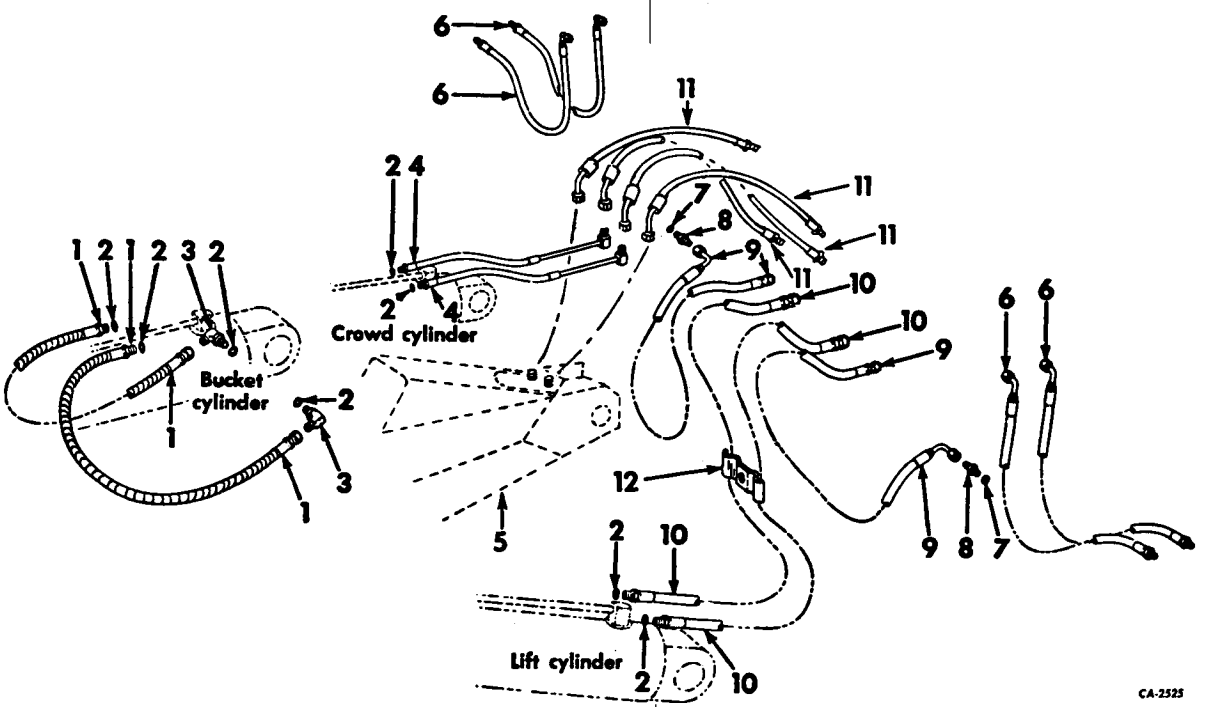
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
1	392 971 R1	ROD, TIE -3-	
	102 635	NUT, 3/8-16 HEX. -6-	
	527 476 R1	WASHER -6-	
2	9 410 362	PLUG, 1-3/16 C-Z STR-THD O-RING BOSS OUTLET VALVE COVER - LARGE -2-	
3	297 459 R1	O-RING, 1-3/64 X 1-9/32 X 7/64 -3-	
4	392 968 R2	COVER, LEFT SIDE END	
5	381 884 R1	O-RING, 1 X 1-3/16 X 3/32 -16-	
6	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32 -9-	
7	387 229 R91	VALVE ASSY, ANTI-CAVITATION -2-	
8	383 219 R1	O-RING, 15/16 X 1-1/8 X 3/32 -9-	
9	378 985 R2	WASHER, PILOT OPERATED RELIEF VALVE BACKUP -9-	
10	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32 -9-	
11	394 705 R95	VALVE ASSY, HYD OPEN CENTER CONTROL -3- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-	
12	392 969 R2	COVER, CENTER	
13	382 479 R91	VALVE ASSY, CUSHION RELIEF- 2500 P.S.I. -2-	
14	383 271 R95	VALVE ASSY, HYD OPEN CENTER CONTROL -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-	

HYDRAULIC CONTROL VALVES -CONTINUED
-FOR 500C CRAWLER TRACTORS-



REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
15	392 970 R1	COVER, RIGHT SIDE END	
16	382 928 R91	VALVE ASSY, CUSHION RELIEF-2000 PSI	
17	444 697	PLUG, 3/8-18 AUTO	
18	9 403 375	CAP, 1-3/16-12 37 DEG HYD FLARED TUBE	
19	364 885 R1	O-RING, 3/4 X 15/16 X 3/32	
20	397 699 R1	UNION ASSY, ORIFICE	
21	378 899 R1	PLUG, RELIEF VALVE CHAMBER -2-	
22	9 410 360	PLUG, 7/8-14 C-Z STR-THD O-RING BOSS	
23	388 208 R93	VALVE ASSY, PILOT OPERATED RELIEF -2000 P.S.I.- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF PILOT RELIEF VALVE -	
24	383 270 R94	VALVE ASSY, HYD OPEN CENTER CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-	
25	9 410 980	ELBOW, 1-3/16-12 C-Z 37 DEG HYD FLARED TUBE 90 DEG	
26	9 410 285	ELBOW, 1-5/16-12 37 DEG FLARED TUBE 90 DEG SWIVEL	
27	543 691 R1	PLUG, W/OPEN PORT	
28	9 403 376	CAP, 1-5/16-12 ZND 37 DEG HYD FLARED TUBE	
29	543 201 R1	SEAL, VALVE SPOOL DUST -6-	
	20 703 R1	WASHER, 29/32 X 1-3/4 X 16 GA ZND -6	

HYDRAULIC CONNECTIONS -BASIC-



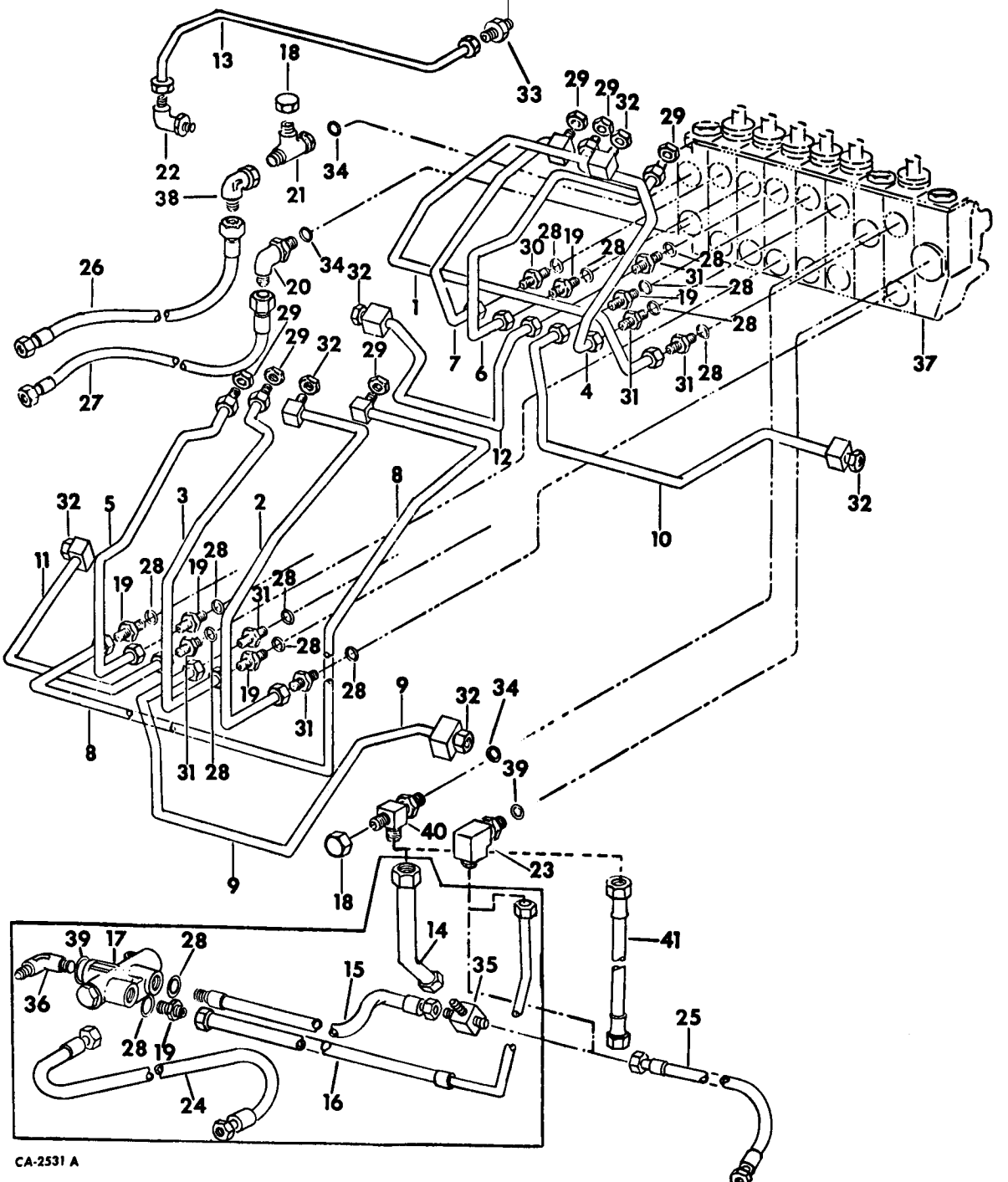
REF. NO.	PART NUMBER	DESCRIPTION
1	472 789 R91	HOSE ASSY, BOOM TO BUCKET - 53 IN. -2-
2	364 885 R1	O-RING, 5/8 TUBE -8-
3	9 410 978	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE -2-
4	545 849 R1	HOSE ASSY, CROWD CYL -2-
5		BOOM ASSY -REFER TO BOOM, BUCKET, DIPPERSTICK, HYDRAULIC CYLINDERS AND CONNECTIONS-
6	546 027 R1	HOSE ASSY, BULKHEAD TO STABILIZER -4- -3400 SERIES A LOADER TRACTORS-
6	470 256 R91	HOSE ASSY, BULKHEAD TO STABILIZER -4- -3400 SERIES W/STABILIZER CHECK VALVE ASSY- -2500 SERIES A TRACTORS AND T7, TD7, T8, TD8, 100C, 125C AND 500C CRAWLER TRACTORS-

HYDRAULIC CONNECTIONS -BASIC- -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
7	364 839 R1	O-RING, 3/8 TUBE -2-
8	382 449 R1	CONNECTOR, 1/2 - 3/8 REDUCING TUBE -2-
9	481 700 R93	HOSE ASSY, BULKHEAD TO SWING 32 IN. -2-
10	481 698 R93	HOSE ASSY, PIPE TO LIFT CYL 51 IN. -2-
11	546 026 R1	HOSE, BOOM TO BULKHEAD -4- -3400 SERIES A LOADER TRACTORS-
11	481 641 R91	HOSE, PIPE TO BOOM 41.5 IN. -4- -2500 SERIES A TRACTORS AND T7, TD7, T8, TD8, 100C, 125C AND 500C CRAWLER TRACTORS-
12	469 998 R1	CLAMP, HYD HOSE
	120 378	NUT, 1/2-13 C-Z HEX.
	120 238	NUT, 1/2-13 C-Z HEX. JAM

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC TUBES AND CONNECTIONS
-3400 SERIES A LOADER TRACTORS-
-FOR FOUR LEVER CONTROL UNIT-



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3142 BACKHOE -34- SECTION J

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC TUBES AND CONNECTIONS -CONTINUED
-3400 SERIES A LOADER TRACTORS-
-FOR FOUR LEVER CONTROL UNIT-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC TUBES AND CONNECTIONS -CONTINUED -3400 SERIES A LOADER TRACTORS- -FOR FOUR LEVER CONTROL UNIT-	
1	545 932 R3	TUBE ASSY, SWING TOP PORT	
2	545 933 R2	TUBE ASSY, SWING BOTTOM PORT	
3	545 926 R2	TUBE ASSY, BUCKET BOTTOM PORT	
4	545 925 R3	TUBE ASSY, BUCKET TOP PORT	
5	545 930 R2	TUBE ASSY, DIPPERSTICK TOP PORT	
6	545 931 R2	TUBE ASSY, DIPPERSTICK BOTTOM PORT	
7	545 927 R4	TUBE ASSY, BOOM TOP PORT	
8	545 928 R4	TUBE ASSY, BOOM BOTTOM PORT	
9	546 021 R1	TUBE ASSY, STABILIZER BOTTOM PORT RH	
10	546 022 R1	TUBE ASSY, STABILIZER TOP PORT RH	
11	546 019 R1	TUBE ASSY, STABILIZER TOP PORT LH	
12	546 020 R1	TUBE ASSY, STABILIZER BOTTOM PORT LH	
13	546 024 R2	TUBE ASSY, SWING DRAIN	
14	546 656 R1	TUBE ASSY, FLOW TO POWER -MACHINES W/FLOW DIVIDER-	
15	546 655 R1	HOSE, FLOW DIVIDER TO SWING -MACHINES W/FLOW DIVIDER-	
16	546 652 R1	TUBE ASSY, SWING TO FLOW DIVIDER -MACHINES W/FLOW DIVIDER-	
17		VALVE ASSY, FLOW DIVIDER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF FLOW DIVIDER VALVE-	
	180 044	SCREW, 1/4-20 X 2 ZND HEX-HD CAP	
	120 380	WASHER 1/4 ZND MED LOCK	
	120 375	NUT, 1/4-20 ZND HEX.	
18	9 403 376	CAP, 1 5/16-12 37 DEG HYD FLARED TUBE -2-	
19	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED -6-	
	138 566	WASHER, 7/8 ZND INTERNAL TOOTH LOCK -6-	
20	9 410 981	ELBOW, 1-15/16-12 37 DEG HYD FLARED 90 DEG	
21	549 928 R1	TEE, 37 DEG. HYD FLARED TUBE	
22	9 402 864	ELBOW, 1/4-18 37 DEG HYD FLARED TUBE -90 DEG.-	
23	633 460 R1	ELBOW, 1-1/16-12 STR-THD TO 7/8-14 37 DEG JIC REDUCER 90 DEG	
24	544 053 R1	HOSE ASSY, TRACTOR TO FLOW DIVIDER -MACHINES W/FLOW DIVIDER-	
25	544 051 R1	HOSE ASSY, TRACTOR TO VALVE BANK	
26	544 052 R1	HOSE ASSY, POWER BEYOND	
27	544 050 R1	HOSE ASSY, TO RETURN	
28	364 885 R1	O-RING 5/8 OD TUBE -14-	
29	9 403 295	NUT, 7/8-14 BULKHEAD LOCK -6	
30	397 699 R1	UNION ASSY, ORIFICE	
30	406 794 R1	UNION ASSY , ORIFICE -FOR USE W/4-1/2 IN LIFT CYLINDER ATTACHMENT-	

3142 BACKHOE -35- SECTION J

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC TUBES AND CONNECTIONS -CONTINUED -3400 SERIES A LOADER TRACTORS- -FOR FOUR LEVER CONTROL UNIT-	
31	481 352 R1	CONNECTOR, 5/8-1/2 SPECIAL REDUCING -6-	
	138 561	WASHER, 3/4 ZND INTERNAL TOOTH LOCK -2-	
32	9 403 294	NUT, 3/4-16 BULKHEAD LOCK -6-	
33	9 402 708	CONNECTOR	
34	296 247 R1	O-RING, 1 IN. OD TUBE -3-	
35	546 658 R1	T UNION -MACHINES W/FLOW DIVIDER-	
36	9 410 979	ELBOW, 1-1/16-12 37 DEG HYD FLARED ADJ 90 DEG.	
37		VALVE BANK -REFER TO VALVE BANK LISTING-	
	180 175	SCREW, 1/2-13 X 1-1/2 ZND HEX-HD CAP -3-	
	120 384	WASHER, 1/2 ZND MED LOCK -3-	
38	9 410 285	ELBOW, 1-5/16-12 37 DEG HYD FLARED 90 DEG	
39	368 269 R1	O-RING, 3/4 TUBE -2-	
40	9 411 135	TEE, 1-5/16-12 37 DEG FLARED TUBE ADJ STR-THD 90 DEG	
41	103 029 C1	HOSE ASSY, PUMP TO MID INLET -MACHINES W/O FLOW DIVIDER-	
	61 146 C91	HYDRAULIC HOSE SERVICE PKG -TO CONVERT POWER SUPPLY W/FLOW DIVIDER TO POWER SUPPLY W/O FLOW DIVIDER- -CONSISTS OF 1 HOSE 103 029 C1 $1 INSTRUCTIONS	

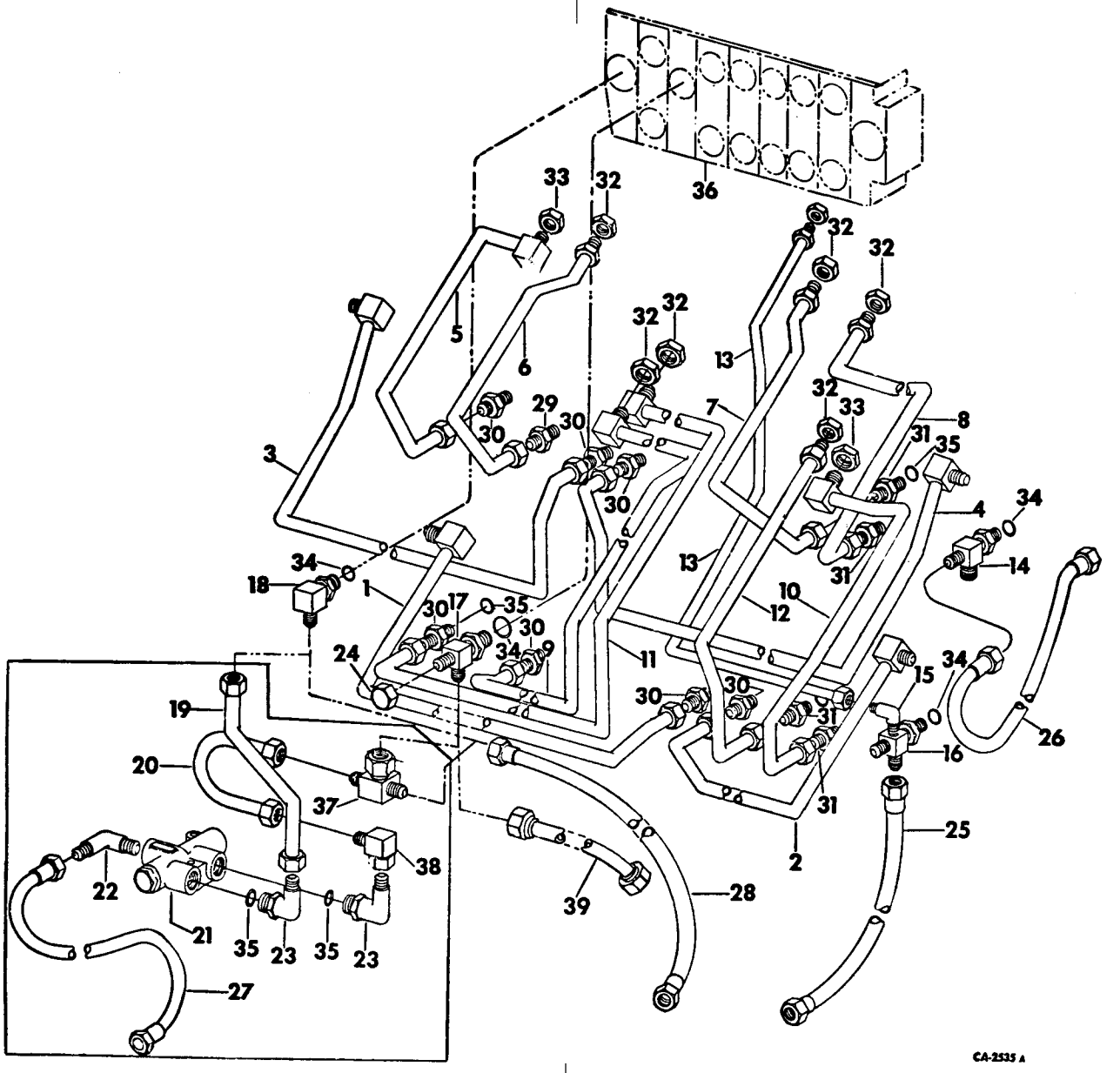
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC TUBES AND CONNECTIONS
-3400 SERIES A LOADER TRACTORS-
-TWO LEVER CONTROL UNIT-

3142 BACKHOE -36- SECTION J

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC TUBES AND CONNECTIONS -CONTINUED
-3400 SERIES A LOADER TRACTORS-
-TWO LEVER CONTROL UNIT-



1	545 462 R1	TUBE ASSY, LH STABILIZER BOTTOM PORT
2	545 464 R1	TUBE ASSY, RH STABILIZER BOTTOM PORT
3	545 461 R1	TUBE ASSY, LH STABILIZER TOP PORT
4	545 463 R1	TUBE ASSY, RH STABILIZER TOP PORT
5	545 459 R1	TUBE ASSY, SWING TOP PORT
6	545 455 R1	TUBE ASSY, BOOM TOP PORT
7	545 453 R1	TUBE ASSY, BUCKET TOP PORT
8	545 457 R1	TUBE ASSY, DIPPERSTICK TOP PORT
9	545 456 R1	TUBE ASSY, BOOM BOTTOM PORT
10	545 458 R1	TUBE ASSY, DIPPERSTICK BOTTOM PORT

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC TUBES AND CONNECTIONS -CONTINUED -3400 SERIES A LOADER TRACTORS- -TWO LEVER CONTROL UNIT-	
11	545 460 R1	TUBE ASSY, SWING BOTTOM PORT	
12	545 454 R1	TUBE ASSY, BUCKET BOTTOM PORT	
13	545 465 R1	TUBE ASSY, SWING DRAIN	
14	9 411 135	TEE, 1-5/16-12 37 DEG FLARED TUBE ADJ STR-THD 90 DEG	
	9 403 376	CAP, 1-5/16-12 37 DEG HYD FLARED TUBE	
15	9 402 864	ELBOW, 9/16-18 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG	
16	549 928 R1	TEE, 37 DEG HYD FLARED TUBE	
	9 403 376	CAP, 1-5/16-12 37 DEG HYD FLARED TUBE	
17	9 411 135	TEE, 1 5/16-12 37 DEG FLARED TUBE ADJ	
18	633 460 R91	ELBOW, 1-1/16-12 STR-THD TO 7/8-14 37 DEG JIC REDUCER 90 DEG	
19	545 466 R2	TUBE ASSY, FLOW DIVIDER TO SWING -MACHINES W/FLOW DIVIDER-	
20	545 467 R1	TUBE ASSY, FLOW DIVIDER TO POWER -MACHINES W/FLOW DIVIDER-	
21		VALVE ASSY, FLOW DIVIDER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF FLOW DIVIDER VALVE-	
22	9 410 979	ELBOW, 1-1/16-12 37 DEG HYD FLARED ADJ 90 DEG	
23	9 410 978	ELBOW, 7/8-14 37 DEG. HYD FLARED TUBE -2-	
24	9 403 376	CAP, 1-5/16-12 37 DEG HYD FLARED TUBE	
25	544 050 R1	HOSE ASSY, TO RETURN	
26	544 052 R1	HOSE ASSY, POWER BEYOND	
27	544 053 R1	HOSE ASSY, TRACTOR TO FLOW DIVIDER -MACHINES W/FLOW DIVIDER-	
28	544 051 R1	HOSE ASSY, TRACTOR TO VALVE BANK	
29	397 699 R1	UNION ASSY, ORIFICE	
30	481 352 R1	CONNECTOR, 5/8-1/2 SPECIAL REDUCING -6-	
31	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED -5-	
32	9 403 295	NUT, 7/8-14 BULKHEAD LOCK -6	
33	9 403 294	NUT, 3/4-16 BULKHEAD LOCK -6-	
34	368 269 R1	O-RING, 3/4 TUBE -4-	
35	364 885 R1	O-RING, 5/8 OD TUBE -12-	
36		VALVE BANK -REFER TO VALVE BANK LISTING-	

3142 BACKHOE -37- SECTION J

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC TUBES AND CONNECTIONS -CONTINUED -3400 SERIES A LOADER TRACTORS- -TWO LEVER CONTROL UNIT-	
37	545 468 R1	FITTING, T -MACHINES W/FLOW DIVIDER-	
38	9 410 282	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE	
39	103 029 C1	HOSE ASSY, PUMP TO MID INLET -MACHINES W/O FLOW DIVIDER-	
	61 146 C91	HYDRAULIC HOSE SERVICE PKG -TO CONVERT POWER SUPPLY W/FLOW DIVIDER TO POWER SUPPLY W/O FLOW DIVIDER- -CONSISTS OF 1 HOSE 103 029 C1 $1 INSTRUCTIONS	

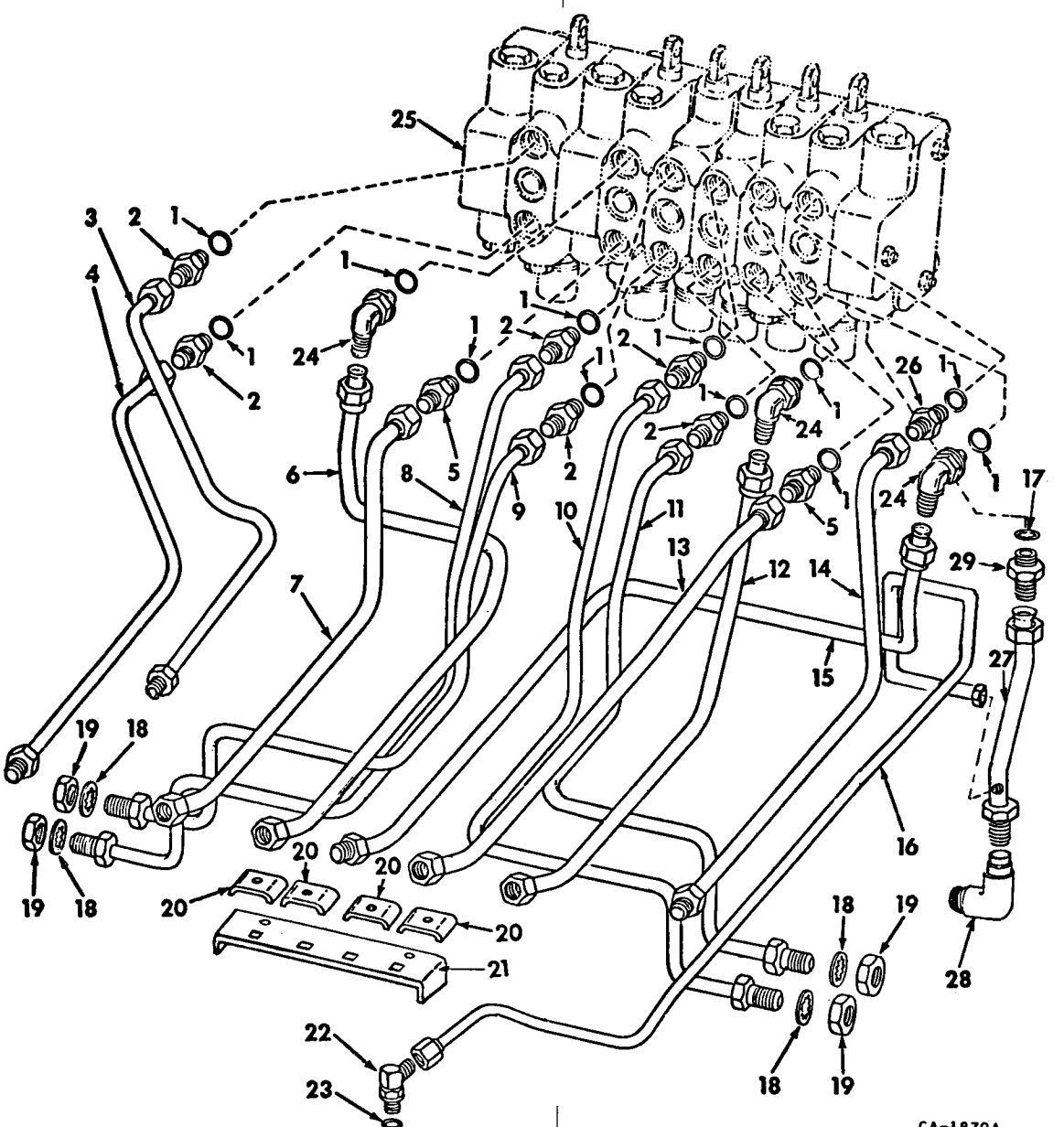
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC TUBING AND CONNECTIONS
-2500 SERIES A TRACTORS-

3142 BACKHOE -38- SECTION J

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC TUBING AND CONNECTIONS -CONTINUED
-2500 SERIES A TRACTORS-



1	364 885 R1	O-RING, 5/8 TUBE -12-	4	481 648 R21	TUBE, BOTTOM PORT SWING CYL
2	481 352 R1	UNION, 5/8-1/2 SPECIAL REDUCING -6-	5	9 410 204	UNION, 7/8-14 37 DEG C-Z HYD FLARED -2-
3	481 647 R21	TUBE, TOP PORT SWING CYL	6	486 020 R2	TUBE, TOP PORT BUCKET CYL

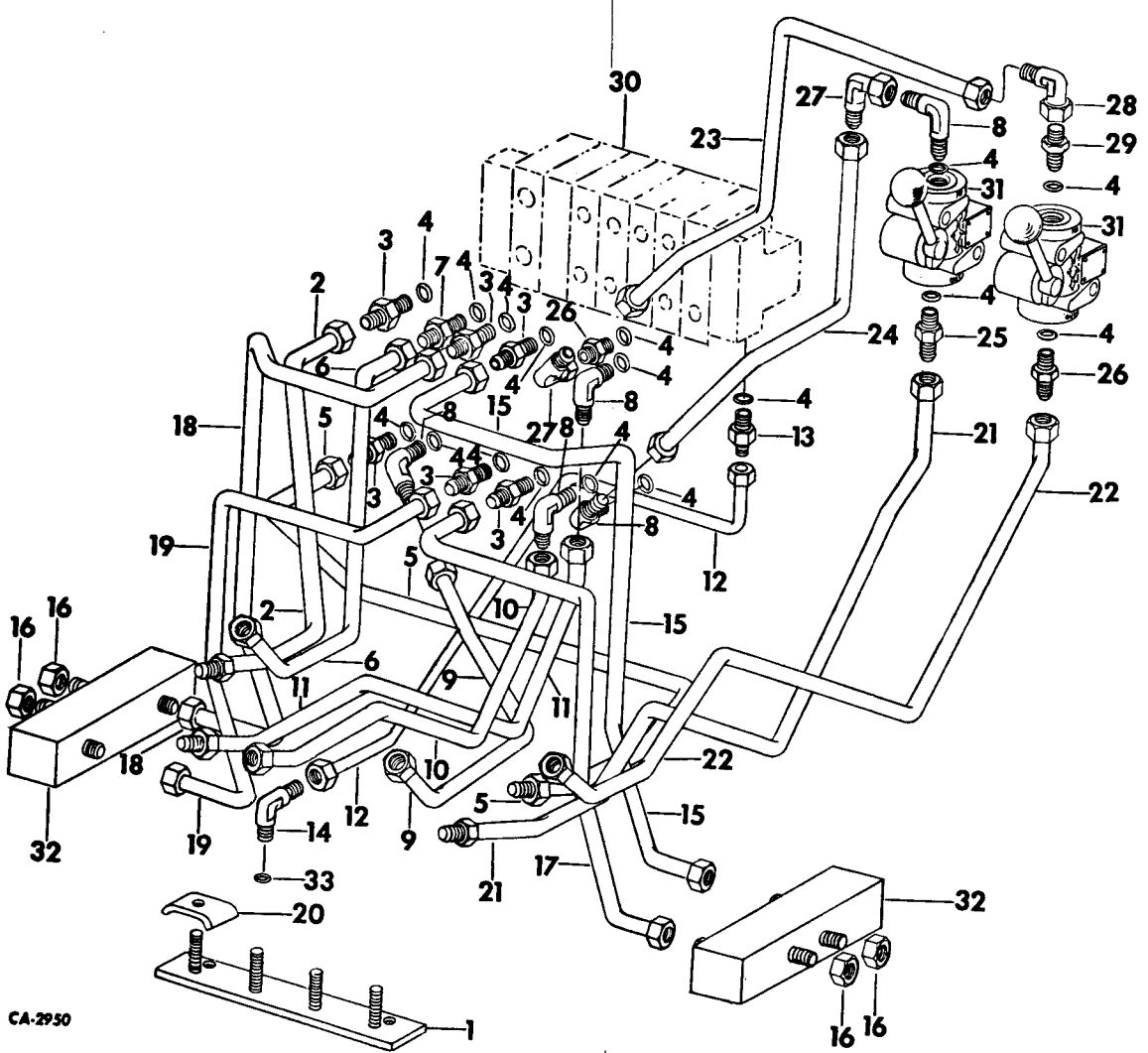
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC TUBING AND CONNECTIONS -CONTINUED -2500 SERIES A TRACTORS-	
7	481 642 R21	TUBE, BOTTOM PORT BUCKET CYLINDER	
8	481 649 R21	TUBE, TOP PORT RH STABILIZER	
9	481 651 R21	TUBE, BOTTOM PORT RH STABILIZER	
10	481 652 R21	TUBE, TOP PORT LH STABILIZER	
11	481 655 R21	TUBE, BOTTOM PORT LH STABILIZER	
12	486 021 R2	TUBE, TOP PORT DIPPERSTICK CYL	
13	481 646 R21	TUBE, BOTTOM PORT DIPPERSTICK CYL	
14	481 643 R21	TUBE, TOP PORT BOOM CYL	
15	486 019 R2	TUBE, BOTTOM PORT BOOM CYL	
16	546 236 R1	TUBE ASSY, SWING MECHANISm DRAIN	
17	296 247 R1	O-RING, 1 IN. OD TUBE	
18	138 561	WASHER, 3/4 C-Z INT-TOOTH LOCK -4-	
19	9 403 294	NUT, 3/4-16 C-Z BULKHEAD UNION LOCK -4-	
20	486 004 R1	CLAMP, TUBE -4-	
	550 796 R1	BOLT, 3/8-16 X 1-1/4 ZND SQ-NK CGE -4-	
	124 829	NUT, 3/8-16 ZND HEX. JAM -4-	
21	60 357 C1	STRAP ASSY, HYD LINE CLAMP -REPLACES STRAP/492 612 R1 AND SPACER/545 766 R1-	
	180 128	SCREW, 3/8-16 X 1-3/4 ZND HEX-HD CAP -2-	
	120 382	WASHER, 3/8 ZND MED LOCK -2-	
	120 377	NUT, 3/8-16 ZND HEX. -2-	
22	9 410 976	ELBOW, 9/16-18 37 DEG C-Z HYD FLARED TUBE ADJUSTABLE STR-THD 90 DEG	
23	364 839 R1	O-RING, 3/8 TUBE	
24	9 410 978	ELBOW, 7/8-14 37 DEG C-Z HYD FLARED TUBE ADJUSTABLE STR-THD 90 DEG -3-	
25		VALVE BANK -REFER TO HYDRAULIC CONTROL VALVES LISTING-	
26	397 699 R1	UNION ASSY	
26	406 794 R1	UNION ASSY, ORIFICE -FOR USE W/4-1/2 IN LIFT CYLINDER ATTACHMENT-	
27	547 342 R1	TUBE ASSY, BACKHOE RETURN	
28	9 410 285	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE 90 DEG	
29	9 410 207	UNION, 1-5/16-12 37 DEG FLARED TUBE SHORT SWIVEL	

3142 BACKHOE -39- SECTION J

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC TUBES AND CONNECTIONS
-T7, TD7, T8, TD8, 100C, 125C AND 500C
CRAWLER TRACTORS-



1	492 612 R1		STRAP ASSY, HYD LINE CLAMP
2	492 606 R1		TUBE ASSY, TOP PORT SWING CYL
3	481 352 R1		CONNECTOR, 5/8-1/2 REDUCER -6-
4	364 885 R1		O-RING, 5/8 TUBE -17-
5	492 605 R1		TUBE ASSY, BOTTOM PORT SWING CYL
6	492 600 R1		TUBE ASSY, TOP PORT BUCKET CYL
7	9 410 204		CONNECTOR, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL -2-
8	9 410 978		ELBOW, 7/8-14 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG -5-

3142 BACKHOE -40- SECTION J

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC TUBES AND CONNECTIONS -CONTINUED
-T7, TD7, T8, TD8, 100C, 125C AND 500C
CRAWLER TRACTORS-

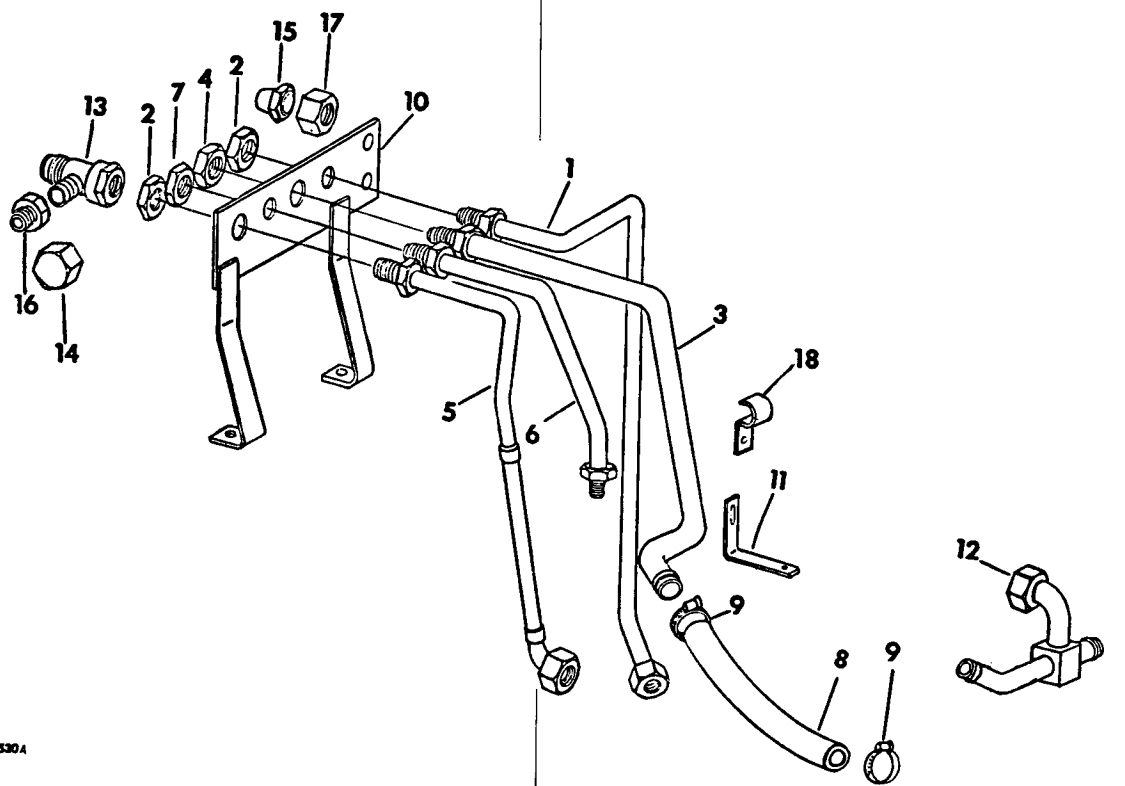
9	492 599 R1		TUBE ASSY, BOTTOM PORT BUCKET CYLINDER
	180 075		SCREW, 5/16-18 X 5/8 ZND HEX-HD CAP
	230 060 R1		WASHER, 5/16 ZND INTERNAL TOOTH LOCK
	120 376		NUT, 5/16-18 ZND HEX.
10	492 604 R1		TUBE ASSY, BOTTOM PORT CROWD CYLINDER
11	492 602 R1		TUBE ASSY, TOP PORT LIFT CYLINDER
12	492 611 R1		TUBE ASSY, RETURN TO SWING
13	935 433 R1		UNION, 3/8 TO 5/8 TUBE BOSS
14	9 410 976		ELBOW, 9/16-18 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC TUBES AND CONNECTIONS -CONTINUED -T7, TD7, T8, TD8, 100C, 125C AND 500C CRAWLER TRACTORS-	
15	543 666 R1	TUBE ASSY, TOP PORT STABILIZER LH	
15	492 610 R1	TUBE ASSY TOP PORT STABILIZER LH -500C CRAWLER TRACTOR W/O STABILIZER CHECK VALVE-	
16	9 403 294	NUT, 3/4-16 BULKHEAD LOCK -4-	
	138 561	WASHER, 3/4 C-Z INT TOOTH LOCK -4-	
17	543 667 R1	TUBE ASSY, BOTTOM PORT STABILIZER LH	
17	492 609 R1	TUBE ASSY, BOTTOM PORT STABILIZER LH -500C CRAWLER TRACTOR W/O STABILIZER CHECK VALVE-	
18	543 668 R1	TUBE ASSY, TOP PORT STABILIZER RH	
18	492 608 R1	TUBE ASSY, TOP PORT STABILIZER RH -500C CRAWLER TRACTOR W/O STABILIZER CHECK VALVE-	
19	543 669 R1	TUBE ASSY, BOTTOM PORT STABILIZER RH	
19	492 607 R1	TUBE ASSY, BOTTOM PORT STABILIZER RH -500C CRAWLER TRACTOR W/O STABILIZER CHECK VALVE-	
20	486 004 R1	CHANNEL, TUBE CLAMP -4-	
	180 128	SCREW, 3/8-16 X 1-3/4 ZND HEX-HD CAP -4-	
	120 382	WASHER, 3/8 C-Z MED LOCK -4-	
	120 377	NUT, 3/8-16 C-Z HEX. -4-	
21	543 673 R1	TUBE ASSY, LIFT TO CHECK VALVE	
22	543 672 R1	TUBE ASSY, TOP PORT CROWD CYL TO CHECK VALVE	
22	492 603 R1	TUBE ASSY, TOP PORT CROWD CYL -500C CRAWLER TRACTOR W/O LEVER OPERATED CHECK VALVES-	
23	543 671 R1	TUBE ASSY, TOP PORT CROWD CYL TO CHECK VALVE	
24	543 670 R1	TUBE ASSY, BOTTOM PORT LIFT CYLINDER	
24	492 601 R1	TUBE ASSY, BOTTOM PORT LIFT CYLINDER -500C CRAWLER TRACTOR W/O LEVER OPERATED CHECK VALVES-	
	180 075	SCREW, 5/16-18 X 5/8 ZND HEX-HD CAP	
	120 214	WASHER, 5/16 C-Z MED LOCK	
	120 376	NUT, 5/16-18 ZND HEX.	
25	406 794 R1	UNION ASSY, ORIFICE	
26	9 410 204	UNION, 7/8-14 37 DEG FLARED TUBE SHORT SWIVEL	
27	9 410 282	ELBOW, 7/8-14 37 DEG FLARED TUBE 90 DEG SWIVEL -2-	
28	9 402 944	ELBOW, 7/8-14 37 DEG FLARED TUBE 90 DEG	
29	485 313 R1	ADAPTER, SWIVEL 7/8-14 J.I.C.	
30		VALVES HYDRAULIC CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CONTROL VALVE-	
31	488 897 R92	VALVE ASSY, CHECK LEVER OPERATED -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF LEVER OPERATED CHECK VALVE-	
	20 903 R1	SCREW, 3/8-11 X 5-1/4 ZND HEX HD CAP -2-	
	120 382	WASHER, 3/8 ZND MED LOCK -2-	
	120 377	NUT, 3/8-16 ZND HEX -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF STABILIZER CHECK VALVE-	
32	400 433 R92	VALVE ASSY, STABILIZER CHECK -2-	
33	364 839 R1	O-RING, 3/8 TUBE	

-41- SECTION J
3142 BACKHOE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

POWER SUPPLY
-3400 SERIES A LOADER TRACTORS--



CA-2530A

REF. NO.	PART NUMBER	DESCRIPTION
1	545 649 R2	TUBE ASSY, SWING PRESSURE -FOR TRACTORS W/O HITCH-
1	61 134 C1	TUBE ASSY, MCV PRESSURE -FOR TRACTORS W/HITCH AND P.T.O.- -WILL WORK FOR 57 083 C1-
	9 403 373	CAP, 7/8-14 37 DEG HYD FLARED TUBE
2	9 403 295	NUT, 7/8-14 BULKHEAD UNION LOCK
3	545 651 R1	TUBE ASSY, RETURN
4	9 403 298	NUT, 1-5/16-12 BULKHEAD UNION LOCK -2-
5	545 652 R1	TUBE ASSY, POWER BEYOND
6	545 653 R1	TUBE, 17 GAL PRESSURE
7	9 403 296	NUT, 1-1/16-12 BULKHEAD UNION LOCK -2-
8	545 655 R2	HOSE ASSY, RETURN -FOR USE W/TEE 545 656 R4-
8	103 061 C1	HOSE ASSY, RETURN -FOR USE W/TEE 103 059 C1-

POWER SUPPLY -CONTINUED
-3400 SERIES A LOADER TRACTORS--

REF. NO.	PART NUMBER	DESCRIPTION
9	311 164 C91	CLAMP, HOSE SIZE 20 -2-
10	545 660 R1	BRACKET ASSY, BULKHEAD -FOR TRACTORS W/O HITCH-
	180 120	SCREW, 3/8-16 X 3/4 ZND HEX-HD CAP -2-
	120 382	WASHER, 3/8 ZND MED LOCK -2-
10	57 081 C1	BRACKET ASSY, BULKHEAD -FOR TRACTORS W/HITCH AND P.T.O.-
	180 128	SCREW, 3/8-16 X 1-3/4 ZND HEX-HD CAP -2-
	120 382	WASHER, 3/8 ZND MED LOCK -2-
	401 94C R2	SPACER -2-
11	545 662 R1	BRACKET, RETURN TUBE
12	103 059 C1	TEE, TUBE RETURN -REPLACES 545 656 R4 WHEN USED W/HOSE, 103 061 C1 AND CLAMP, 103 060 C1-
	9 403 373	CAP, 7/8-14 37 DEG HYD FLARED TUBE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		POWER SUPPLY -CONTINUED	
		-3400 SERIES A LOADER TRACTORS--	
13	9 410 337	TEE, 1-5/16-12 37 HYD FLARED TUBE 90 DEG SWIVEL	
14	9 403 376	CAP, 1-5/16-12 37 DEG HYD FLARED TUBE	
15	9 403 406	REDUCER, 1-1/16-12 37 DEG HYD FLARED TUBE	
16	483 594 R1	ADAPTER, TUBE END REDUCER -WILL WORK FOR 545 573 R1-	
17	9 403 532	NUT, 1-5/16-12 37 DEG HYD FLARED TUBE -2-	
18	103 060 C1	CLAMP, TUBE	
	180 020	SCREW, 1/4-20 X 3/4 ZND HEX-HD CAP	
	120 380	WASHER, 1/4 ZND MED LOCK	
	120 375	NUT, 1/4-20 ZND HEX.	

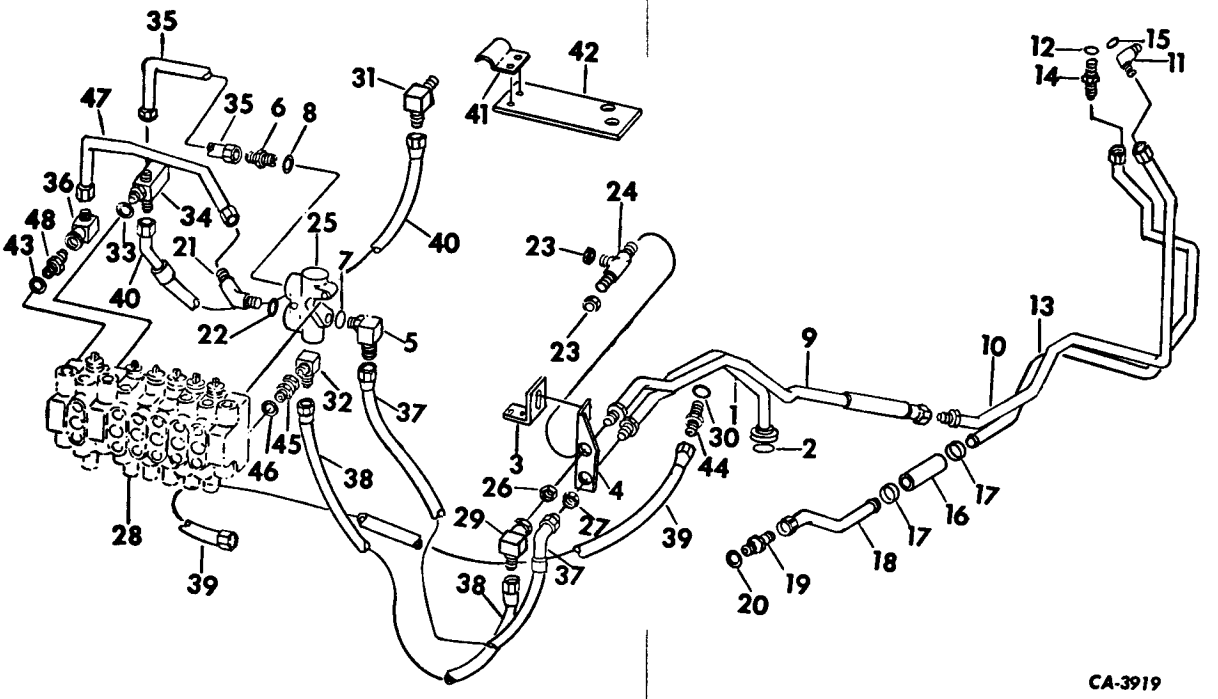
3142 BACKHOE -43- SECTION J

REF. NO. PART NUMBER DESCRIPTION BKH-1

3142 BACKHOE -44- SECTION J

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

HYDRAULIC POWER SUPPLY
-2500 SERIES A TRACTORS-



CA-3919

REF. NO.	PART NUMBER	DESCRIPTION
1	547 347 R1	TUBE ASSY, PUMP TO BACKHOE
2	343 906 R1	O-RING, 1-5/16 X 1-9/16 X 1/8
3	547 348 R1	BRACKET, BULKHEAD SUPPORT
4	547 349 R1	BULKHEAD, PUMP-POWER BEYOND
	181 566	SCREW, 1/4-28 X 3/4 ZND HEX-HD CAP -2-
	120 392	WASHER, 9/32 X 5/8 X 18 GA C-Z -2-
	120 380	WASHER, 1/4 ZND MED LOCK -2-
	120 367	NUT, 1/4-28 ZND HEX. -2-
5	545 773 R1	ELBOW, 37 DEG FLARED TUBE ADJ STR-THD 90 DEG
6	9 410 204	UNION, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL -2-
7	368 269 R1	O-RING, 3/4 OD TUBE
8	364 885 R1	O-RING, 5/8 OD TUBE -2-
9	547 351 R1	TUBE ASSY, BACK HOE TO LOADER POWER -BEYOND-
10	547 352 R2	TUBE ASSY, LOADER POWER BEYOND
11	9 411 108	ELBOW, 1-3/16-12 37 DEG HYD FLARED TUBE ADJ STR-THD 45 DEG
12	297 459 R1	O-RING, 7/8 OD TUBE
13	544 493 R2	TUBE ASSY, RETURN
14	9 410 207	UNION, 1-5/16-12 37 DEG HYD FLARED TUBE SHORT SWIVEL
15	296 247 R1	O-RING, 1 IN. OD TUBE

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

HYDRAULIC POWER SUPPLY -CONTINUED
-2500 SERIES A TRACTORS-

REF. NO.	PART NUMBER	DESCRIPTION
16		HOSE, RETURN LINE -USE 4 IN. OF 1 IN. ID HOSE FROM A 50 FT. ROLL MARKED 490 960 R1-
17	279 024 R91	CLAMP, HOSE -2-
18	544 495 R1	TUBE ASSY, RETURN
19	574 018 R1	UNION, 3/4-16 37 DEG HYD FLARED TUBE SHORT SWIVEL
20	368 269 R1	O-RING, 3/4 OD TUBE
21	9 411 106	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE ADJ STR-THD 45 DEG
22	364 885 R1	O-RING, 5/8 OD TUBE
23	9 403 373	CAP, 7/8-14 HYD 37 DEG HYD FLARED TUBE -2-
24	485 314 R2	TEE, SWIVEL RUN REDUCER
25		VALVE, FLOW DIVIDER PROPORTIONAL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF FLOW DIVIDER VALVE-
	180 044	SCREW, 1/4-20 X 2 ZND HEX-HD CAP -2-
	120 375	NUT, 1/4-20 HEX. ZND -2-
	120 380	WASHER, 1/4 ZND MED LOCK -2-
26	9 403 297	NUT, 1-3/16-12 BULKHEAD UNION LOCK
27	9 403 296	NUT, 1-1/16-12 BULKHEAD UNION LOCK
28		VALVES, HYDRAULIC CONTROL -REFER TO HYDRAULIC CONTROL VALVES LISTING-

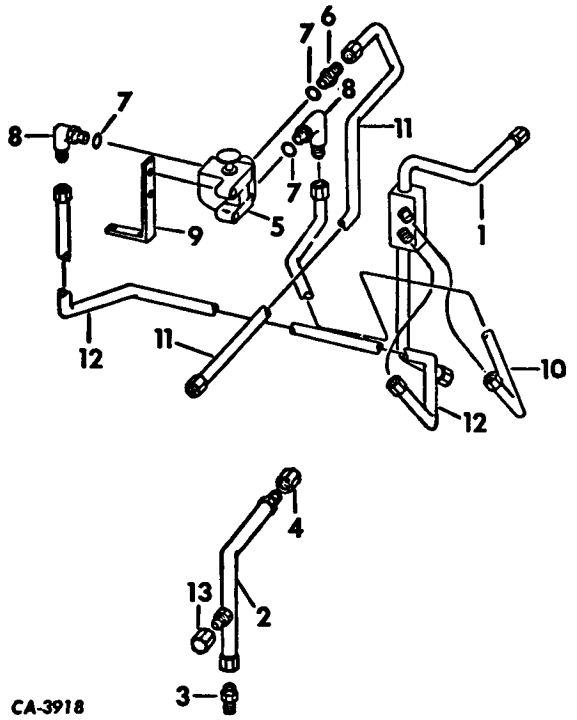
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC POWER SUPPLY -CONTINUED -2500 SERIES A TRACTORS-	
29	9 410 284	ELBOW, 1-3/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL	
30	296 247 R1	O-RING, 1 IN. OD TUBE	
31	9 402 944	ELBOW, 7/8-14 37 DEG FLARED TUBE 90 DEG UNION	
32	547 339 R1	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE 90 DEG	
33	297 459 R1	O-RING, 7/8 OD TUBING	
34	545 680 R1	TEE, ADJ STR THD REDUCER	
35	547 340 R1	TUBE ASSY, FLOW DIVIDER TO MID INLET	
36	9 410 282	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE 90 DEG SWIVEL	
37	545 774 R1	HOSE ASSY, POWER SUPPLY TO BACKHOE	
38	545 776 R1	HOSE ASSY, POWER BEYOND	
39	545 777 R1	HOSE ASSY, RETURN	
40	545 775 R1	HOSE ASSY, MVC TO BACKHOE	
41	545 764 R1	CLAMP, HYDRAULIC TUBE	
42	545 763 R2	BRACKET, CLAMP MOUNTING	
	180 018	SCREW, 1/4-20 X 5/8 ZND HEX-HD CAP -2-	
	120 380	WASHER, 1/4 ZND MED LOCK -2-	
	120 375	NUT, 1/4-20 ZND HEX. -2-	
43	364 885 R1	O-RING, 5/8 OD TUBE	
44	9 410 207	UNION, 1-5/16-12 37 DEG HYD FLARED TUBE SHORT SWIVEL	
45	481 766 R1	ADAPTER, 15/16 STR-THD TO 1-5/16 37 DEG SWIVEL	
46	296 247 R1	O-RING, 1 IN. OD TUBE	
47	547 341 R1	TUBE ASSY, FLOW DIVIDER TO SWING	
48	9 410 204	UNION, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL	

3142 BACKHOE -45- SECTION J

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC TUBE ATTACHMENT
-2500 SERIES A TRACTORS-
-W/2050A OR 3050A LOADER
W/HITCH-



CA-3918

1		547 416 R92	TUBE ASSY, DRAFT CONTROL & SELECTOR VALVE -FOR TRACTORS W/DRAFT CONTROL-
1		547 421 R1	TUBE ASSY, AUX. VALVE W/O DRAFT CONTROL
2		547 353 R1	TUBE ASSY, HYD FILTER
3		547 354 R1	CONNECTOR, 1-5/16-12 X 1-1/4-11-1/2 HYD 37 DEG FLARED TUBE REDUCER
4	9	403 376	CAP, 1-5/16-12 37 DEG HYD FLARED TUBE
5		389 251 R92	VALVE ASSY, SELECTOR -FOR COMPONENT DETAILS REFER TO SELECTOR VALVE LISTING-
6	9	410 204	CONNECTOR, 7/8-14 37 DEG FLARED TUBE
7		364 885 R1	O-RING, 5/8 OD TUBE -3-
8	9	410 978	ELBOW, 7/8-14 37 DEG FLARED TUBE ADJ STR-THD 90 DEG -2-
9		547 413 R2	BRACKET, SELECTOR VALVE
		180 034	SCREW, 1/4-20 X 1-1/2 ZND HEX-HD CAP -2-
		138 167	WASHER, 1/4 ZND INT LOCK -2-
10		547 424 R1	TUBE ASSY, DIVERTER
11		547 425 R1	TUBE ASSY, DIVERTER TO BACKHOE
12		547 426 R1	TUBE ASSY, POWER SUPPLY
13	9	403 373	CAP, 7/8-14 37 DEG HYD FLARED TUBE

3142 BACKHOE -46- SECTION J

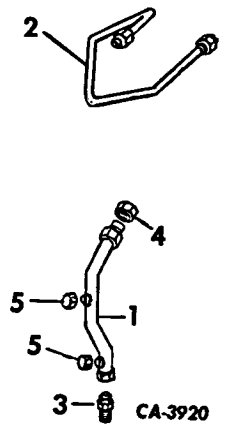
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC TUBE ATTACHMENT -CONTINUED
-2500 SERIES A TRACTORS-
-W/2050A OR 3050A LOADER
W/HITCH-

	56 230 C1	GUIDE ASSY, ADJ STOP -TRACTORS WITH DRAFT CONTROL-
	531 340 R1	KNOB, FLUTED -TRACTORS WITH DRAFT CONTROL-
	56 236 C1	PIN, LOWER LINK -2- -TRACTORS WITH DRAFT CONTROL-

HYDRAULIC TUBE ATTACHMENT
-2500 SERIES A TRACTORS-
-W/3050A LOADER W/O HITCH-

BKH-1

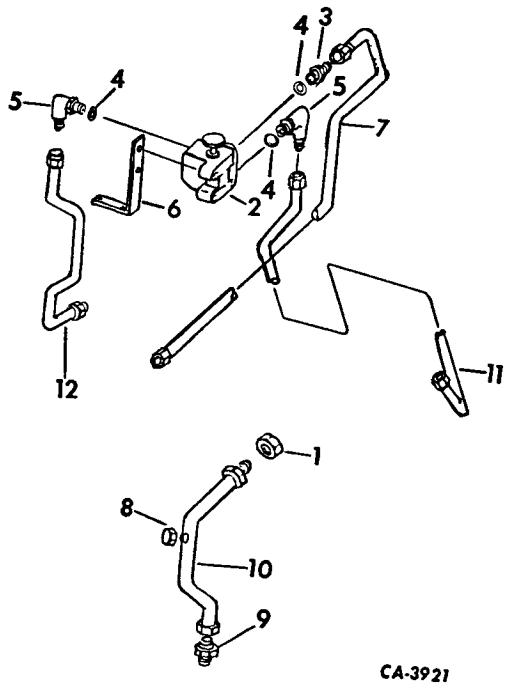


REF. NO.	PART NUMBER	DESCRIPTION
1	59 048 C1	TUBE ASSY, HYD FILTER
2	59 047 C1	TUBE ASSY, M.C.V.
3	565 014 R1	CONNECTOR, 1-5/16 TO 3/4 37 DEG HYD FLARED TUBE REDUCER
4	9 403 376	CAP, 1-5/16-12 37 DEG HYD FLARED TUBE
5	9 403 373	CAP, 7/8-14 37 DEG HYD FLARED TUBE -2-
	9 403 334	PLUG, 37 DEG FLARED TUBE -TO PLUG RELIEF VALVE OPENING IN MULTIPLE CONTROL VALVE-

3142 BACKHOE -47- SECTION J

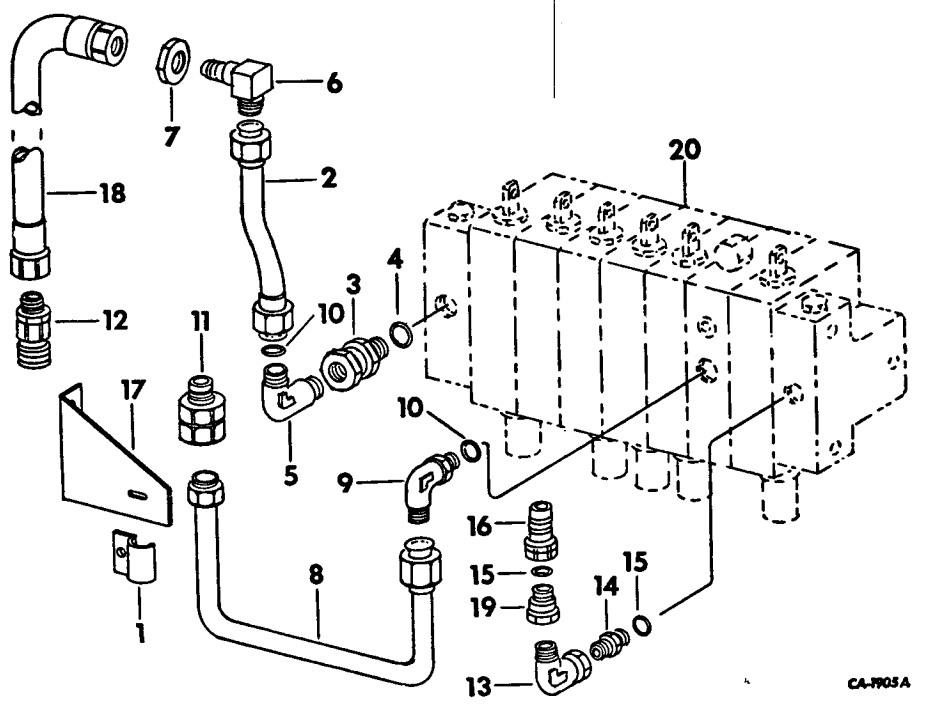
HYDRAULIC TUBE ATTACHMENT
-2500 SERIES A TRACTORS-
-W/2050A LOADER W/O HITCH-

BKH-1



REF. NO.	PART NUMBER	DESCRIPTION
1	9 403 376	CAP, 1-5/16-12 37 DEG HYD FLARED TUBE
2	389 251 R92	VALVE ASSY, SELECTOR -FOR COMPONENT DETAILS REFER TO SELECTOR VALVE LISTING-
3	9 410 204	CONNECTOR, 7/8-14 37 DEG FLARED TUBE
4	364 885 R1	O-RING, 5/8 OD TUBE -3-
5	9 410 978	ELBOW, 7/8-14 37 DEG FLARED TUBE ADJ STR-THD 90 DEG -2-
6	547 413 R2	BRACKET, SELECTOR VALVE
	180 034	SCREW, 1/4-20 X 1-1/2 ZND HEX-HD CAP -2-
	138 167	WASHER, 1/4 ZND INT LOCK -2-
7	547 425 R1	TUBE ASSY, DIVERTER TO BACKHOE
8	9 403 373	CAP, 7/8-14 37 DEG HYD FLARED TUBE
9	565 014 R1	CONNECTOR, 1-5/16 TO 3/4 37 DEG HYD FLARED TUBE REDUCER
10	59 048 C1	TUBE ASSY, HYD FILTER
11	59 046 C1	TUBE ASSY, FLOW DIVERTER
12	59 049 C1	TUBE ASSY, MCV - FLOW DIVIDER
	9 403 334	PLUG, 7/8-14 C-Z 37 DEG FLARED TUBE -TO PLUG RELIEF VALVE OPENING IN MULTIPLE CONTROL VALVE-

POWER SUPPLY CONNECTIONS
T7, TD7, T8, TD8, 100C AND 125C
CRAWLER TRACTORS- BKH-1



REF. NO.	PART NUMBER	DESCRIPTION
1	540 962 R1	CLAMP, TUBE
	180 075	SCREW, 5/16-18 X 5/8 ZND HEX-HD CAP
	120 214	WASHER, 5/16 C-Z MED LOCK
	120 376	NUT, 5/16-18 C-Z HEX.
2	540 964 R1	TUBE ASSY, RETURN LINE
3	481 766 R1	ADAPTER
4	296 247 R1	O-RING, 1 IN. OD TUBE -2-
5	9 402 947	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE 90 DEG UNION
6	541 285 R1	ELBOW, BULKHEAD 90 DEG
7	9 403 298	NUT, 1-5/16-12 C-Z BULK HEAD UNION LOCK
8	540 963 R1	TUBE ASSY, 17 GAL SUPPLY
9	9 410 980	ELBOW, 1-3/16-12 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG
10	297 459 R1	O-RING, 1-3/64 X 1-9/32 X 1/8 -2-
11	480 745 R91	NIPPLE ASSY, HYD SNAP TITE
12	480 744 R91	COUPLER ASSY, HYD SNAP TITE

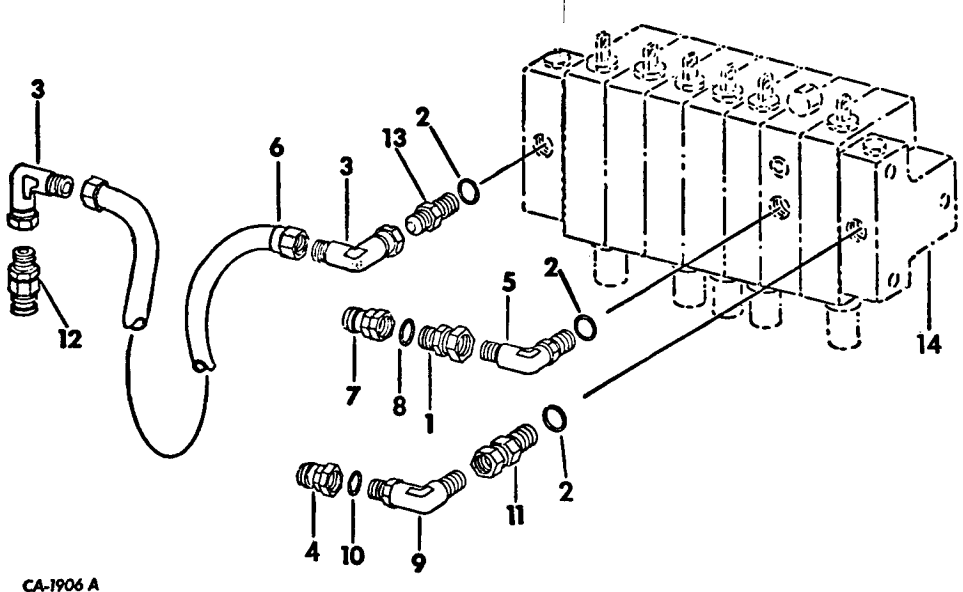
3142 BACKHOE -48- SECTION J

POWER SUPPLY CONNECTIONS -CONTINUED
T7, TD7, T8, TD8, 100C AND 125C
CRAWLER TRACTORS- BKH-1

REF. NO.	PART NUMBER	DESCRIPTION
13	9 410 282	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE 90 DEG SWIVEL
14	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED
15	364 885 R1	O-RING, 5/8 TUBE -2-
16	395 149 R1	COUPLER ASSY, SELF SEALING MALE
17	540 965 R1	BRACKET, TUBE ANCHOR
	180 075	SCREW, 5/16-18 X 5/8 ZND HEX-HD CAP -2-
	23 060 R1	WASHER, 5/16 ZND INT TOOTH LOCK -2-
	120 376	NUT, 5/16-18 ZND HEX. -2-
18	548 175 R1	HOSE ASSY, HYD RETURN
19	485 313	UNION, 7/8-14 STR THD SWIVEL
20		VALVES HYDRAULIC CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CONTROL VALVE-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

POWER SUPPLY CONNECTIONS
-FOR 500C CRAWLER TRACTORS-



CA-1906 A

1		481 766 R1	ADAPTER
2		296 247 R1	O-RING, 1 IN. OD TUBE -3-
3	9	410 285	ELBOW, 1-5/16-12 37 DEG FLARED TUBE 90 DEG SWIVEL -2-
4		395 149 R1	COUPLER ASSY, SELF SEALING MALE
5	9	410 981	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE 90 DEG
6		492 621 R1	HOSE ASSY, RETURN LINE
7		480 743 R91	COUPLING ASSY, SELF SEALING MALE
8		343 905 R1	O-RING, 1-3/16 X 1-3/8 X .109
9	9	410 978	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG
10		364 885 R1	O-RING, 5/8 TUBE -2-
11		485 313	UNION, 7/8-14 STR THD SWIVEL
12		480 744 R91	COUPLER, HYD QUICK DISCONNECT
13	9	410 207	UNION, 1-5/16-12 37 DEG FLARED TUBE SHORT SWIVEL
14			VALVES, HYDRAULIC CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CONTROL VALVES-

3142 BACKHOE -49- SECTION J

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

POWER SUPPLY CONNECTIONS -CONTINUED
-FOR 500C CRAWLER TRACTORS-

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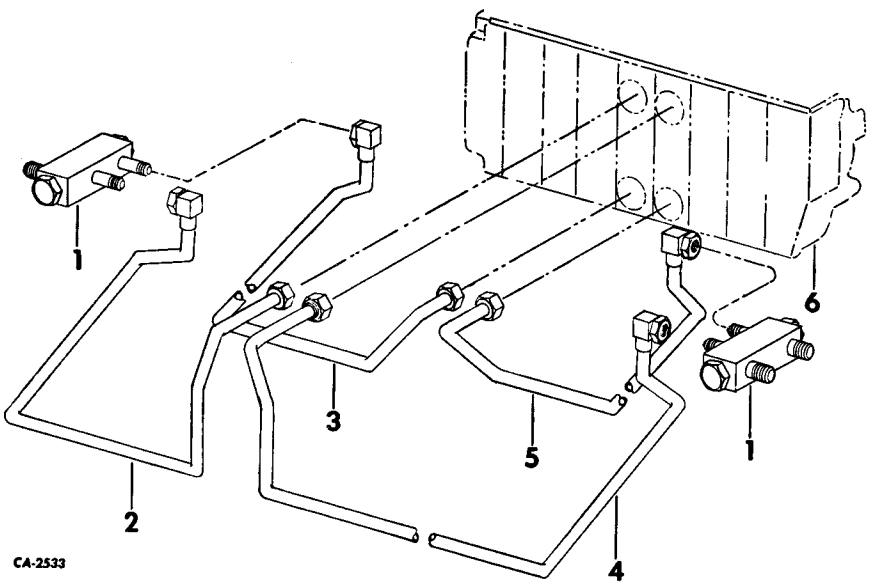
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

CHECK VALVES & CONNECTIONS
-STABILIZER-
-3400 SERIES A LOADER TRACTORS-



1	400 433 R92		VALVE ASSY, STABILIZER CHECK -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF STABILIZER CHECK VALVE-
	138 561		WASHER, 3/4 ZND INT-TOOTH LOCK -4-
	9 403 294		NUT, 3/4-16 BULKHEAD UNION LOCK -4-
2	545 497 R1		TUBE ASSY, TOP PORT LH STAB -TWO LEVER CONTROL-
2	545 495 R1		TUBE ASSY, TOP PORT LH STAB -FOUR LEVER CONTROL-
3	545 498 R1		TUBE ASSY, BOTTOM PORT LH STAB -TWO LEVER CONTROL-
3	545 496 R1		TUBE ASSY, BOTTOM PORT LH STAB -FOUR LEVER CONTROL-
4	545 501 R1		TUBE ASSY, TOP PORT RH STAB -TWO LEVER CONTROL-
4	545 499 R1		TUBE ASSY, TOP PORT RH STAB -FOUR LEVER CONTROL-
5	545 502 R1		TUBE ASSY, BOTTOM PORT RH STABILIZER -TWO LEVER CONTROL-
5	545 500 R1		TUBE ASSY, BOTTOM PORT RH STAB -FOUR LEVER CONTROL-
6			VALVES,CONTROL -REFER TO HYDRAULIC CONTROL VALVES LISTING-

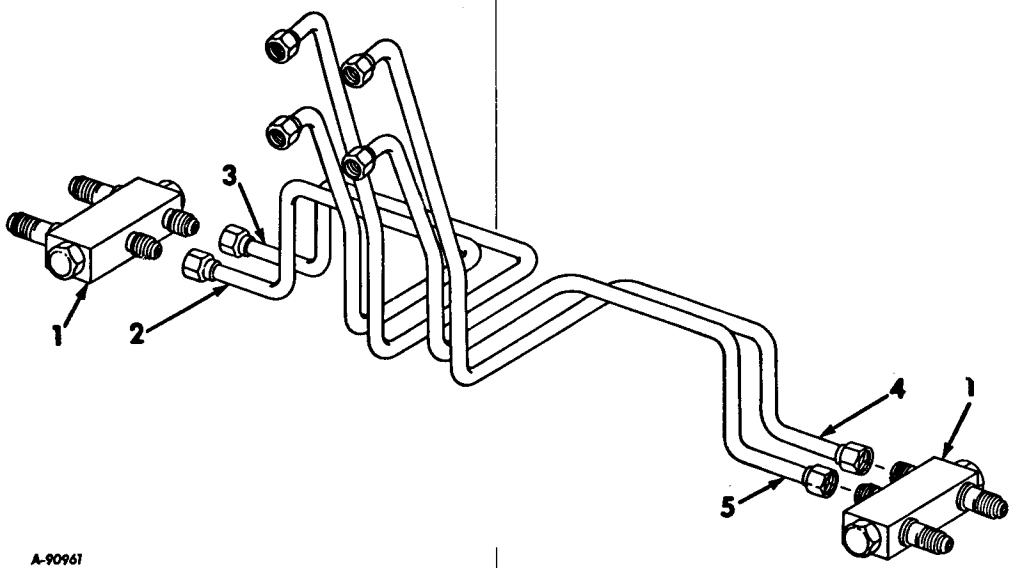
3142 BACKHOE -50- SECTION J

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

CHECK VALVES & CONNECTIONS -CONTINUED
-STABILIZER-
-3400 SERIES A LOADER TRACTORS-

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

CHECK VALVES AND CONNECTIONS
-STABILIZER-
-500C CRAWLER TRACTORS-



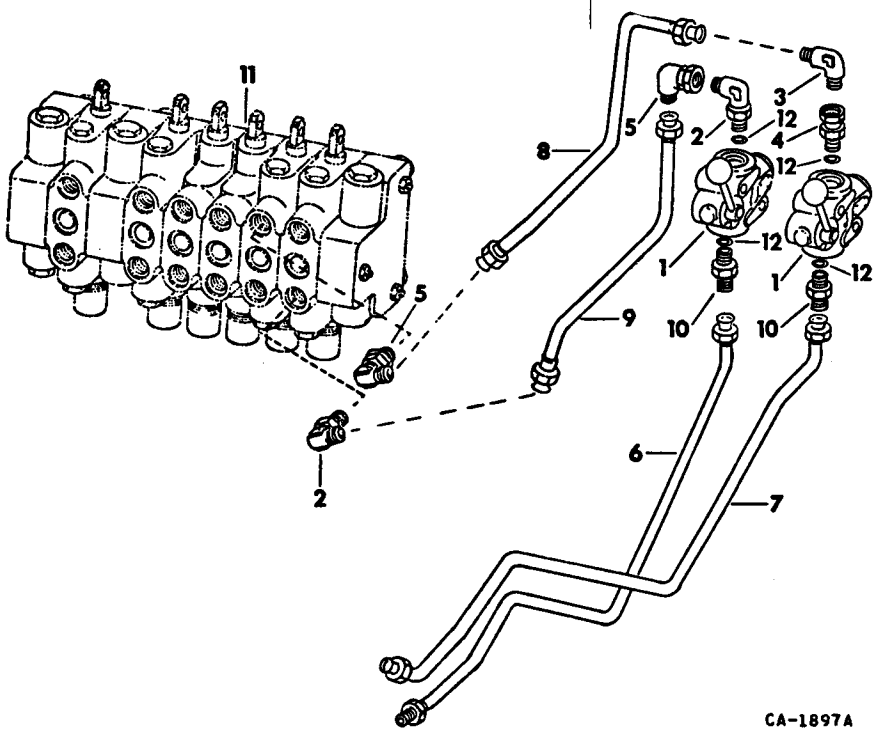
A-90961

REF. NO.	PART NUMBER	DESCRIPTION
1	400 433 R92	VALVE ASSY, STABILIZER CHECK -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF STABILIZER CHECK VALVE-
9	403 294	NUT, 3/4-16 BULKHEAD LOCK -4-
2	543 669 R1	TUBE ASSY, BOTTOM PORT RIGHT STABILIZER
3	543 668 R1	TUBE ASSY, TOP PORT RIGHT STABILIZER
4	543 666 R1	TUBE ASSY, TOP PORT LEFT STABILIZER
5	543 667 R1	TUBE ASSY, BOTTOM PORT LEFT STABILIZER

3142 BACKHOE -51- SECTION J
REF. NO. | PART NUMBER | DESCRIPTION | BKH-1
CHECK VALVES AND CONNECTIONS -CONTINUED
-STABILIZER-
-500C CRAWLER TRACTORS-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

LEVER OPERATED CHECK VALVE AND CONNECTIONS
-FOR USE W/500C CRAWLER TRACTORS-



CA-1897A

1	488 897 R92	VALVE ASSY, CHECK LEVER OPERATED -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF LEVER OPERATED CHECK VALVE-	
	20 903 R1	SCREW, 3/8-16 X 5-1/4 HEX-HD CAP -2-	
	120 382	WASHER, 3/8 ZND MED LOCK -2-	
	120 377	NUT, 3/8-16 ZND HEX. -2-	
2	9 410 978	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG -2-	
3	9 402 944	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE 90 DEG	
4	485 313 R1	UNION, 7/8-14 STRAIGHT SWIVEL	
5	9 410 282	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE 90 DEG SWIVEL -2-	
6	543 673 R1	TUBE ASSY, LIFT TO CHECK VALVE	
7	543 672 R1	TUBE ASSY, TOP PORT CROWD CYL TO CHECK VALVE	
8	543 671 R1	TUBE ASSY, TOP PORT CROWD CYL TO CHECK VALVE	
9	543 670 R1	TUBE ASSY, BOTTOM PORT LIFT CYL	
10	9 410 204	UNION, 7/8-14 37 DEG FLARED TUBE SHORT SWIVEL -2-	
11		VALVES, HYDRAULIC CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CONTROL VALVES-	
12	364 885 R1	O-RING, 5/8 OD TUBE -4-	

3142 BACKHOE -52- SECTION J

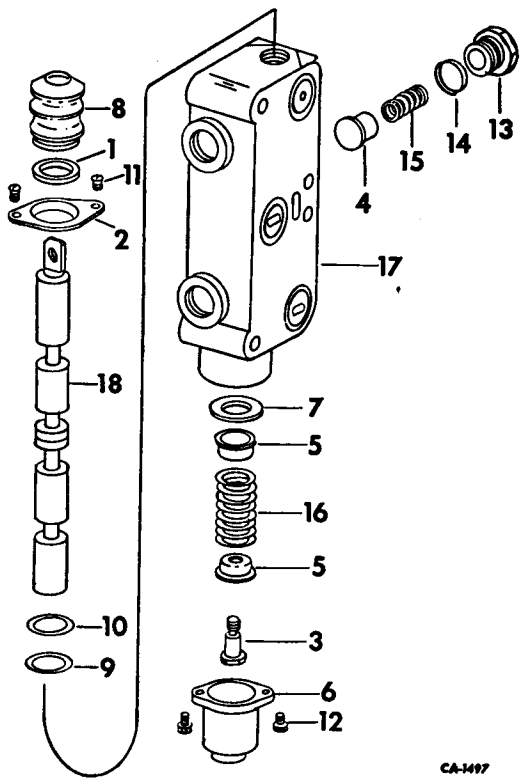
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

LEVER OPERATED CHECK VALVE AND -CONTINUED
CONNECTIONS
-FOR USE W/500C CRAWLER TRACTORS-

PRINTED IN UNITED STATES OF AMERICA

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SECTION VALVE



	537 855 R93	VALVE SECTION, BUCKET & DIPPERSTICK	
	535 644 R93	VALVE, SECTION STABILIZER	
	537 853 R93	VALVE, SECTION BOOM	
1	535 581 R1	WASHER, BREATHER	
2	535 582 R1	RETAINER, DUST SEAL	
3	596 327 R1	SCREW, SPOOL	
4	535 603 R1	PLUNGER, LIFT CHECK	
5	535 584 R1	WASHER, DEEP -2-	
6	535 585 R1	CAP	
7	535 586 R1	RETAINER, O-RING -.152/.150 THICK-	
7	67 056 C1	RETAINER, O-RING .1555/.1553 THICK	
7	67 057 C1	RETAINER, O-RING .159/.157	
8	535 587 R1	SEAL, DUST	
9	252 707 R1	O-RING, 3/4 X 15/16 X 3/32	
10	535 588 R1	O-RING, 3/4 X 1 X 1/8	
11	535 591 R1	SCREW, SPECIAL -2-	

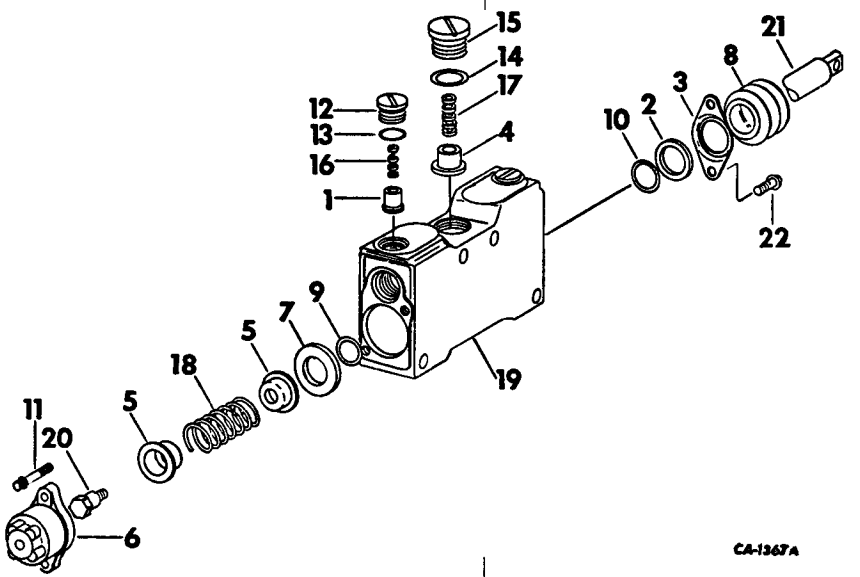
3142 BACKHOE -53- SECTION J

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SECTION -CONTINUED

12	402 796 R1	CAPSCREW, SPECIAL -2-	
13	110 547 C1	PLUG, W/O O-RING -REPLACES 535 594 R1-	
14	380 839 R1	O-RING, 7/8 X 1-1/16 X 3/32	
15	535 598 R1	SPRING, LIFT CHECK	
16	61 737 C1	SPRING, SPOOL CENTER -REPLACES 535 599 R1-	
17		BODY, VALVE -NOT SERVICED SEPARATELY-	
18		SPOOL, VALVE -NOT SERVICED SEPARATELY-	
	535 638 R92	KIT, SEAL REPAIR -USED WITH 534 644 R93- -CONSISTS OF	
		1 O-RING	252 707 R1
		1 O-RING	535 588 R1
		1 O-RING	380 839 R1-
	537 864 R92	KIT, SEAL REPAIR -USED WITH 537 855 R93- -CONSISTS OF	
		1 O-RING	252 707 R1
		1 O-RING	535 588 R1
		1 O-RING	380 839 R1
		1 O-RING	369 908 R1
		1 O-RING	379 181 R1
		1 WASHER	539 534 R1-
	639 581 R92	KIT, SEAL REPAIR -USED W/SECTION 537 853 R93- -CONSISTS OF-	
		1 O-RING	252 707 R1
		1 O-RING	535 588 R1
		1 O-RING	380 839 R1
		1 O-RING	369 908 R1
		1 O-RING	379 181 R1
		1 WASHER	539 534 R1-

SECTION VALVE -SWING-



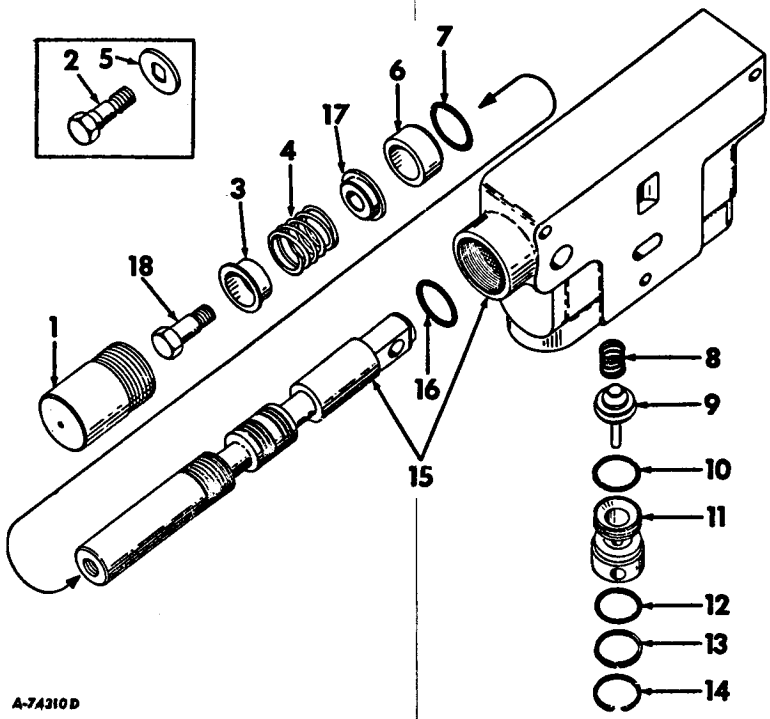
CA-1367A

REF. NO.	PART NUMBER	DESCRIPTION
	537 858 R92	VALVE SECTION-SWING
1	535 580 R1	PLUNGER -2-
2	535 581 R1	WASHER, BREATHER
3	535 582 R1	RETAINER, DUST SEAL
4	535 603 R1	PLUNGER, LIFT CHECK
5	535 584 R1	WASHER, DEEP -2-
6	535 585 R1	CAP
7	535 586 R1	RETAINER, O-RING .1520.150 THICK-
7	67 056 C1	RETAINER, O-RING .1555/.1553 THICK
7	67 057 C1	RETAINER, O-RING .159/.157
8	535 587 R1	SEAL, DUST
9	67 120 C1	O-RING, 3/4 X 15/16 X 3/32 -REPLACES 252 707 R1-
10	535 588 R1	O-RING, 3/4 X 1 X 1/8
11	535 591 R1	SCREW, SPECIAL -2-
12	66 919 C11	PLUG -2- -REPLACES 387 438 R91-

SECTION VALVE -SWING- -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
13	470 585 R1	O-RING, 1/2 X 11/16 X 3/32 -2-
14	380 839 R1	O-RING, 7/8 X 1-1/16 X 3/32
15	110 547 C1	PLUG, W/O-RING -WILL WORK FOR 535 594 R1-
16	387 437 R1	SPRING, ANTI-CAVATION -2-
17	535 598 R1	SPRING, LIFT CHECK
18	535 599 R1	SPRING, SPOOL CENTER
19		BODY, SECTION VALVE -NOT SERVICED SEPARATELY ORDER VALVE ASSY 537 858 R91-
20	596 327 R1	SCREW, SPOOL
21		SPOOL, SECTION VALVE -NOT SERVICED SEPARATELY ORDER VALVE ASSY 537 858 R91-
22	402 796 R1	CAPSCREW, SPECIAL -2-
	537 866 R92	KIT, SEAL REPAIR -CONSISTS OF 1 O-RING 67 120 C1; 1 O-RING 535 588 R1; 1 O-RING 470 585 R1; 1 O-RING 380 839 R1-

HYDRAULIC CONTROL VALVES
-THREE POSITION SPRING CENTERED-



A-74310D

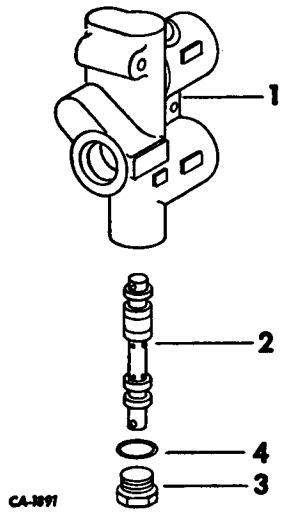
REF. NO.	PART NUMBER	DESCRIPTION
	383 270 R94	VALVE ASSY, HYDRAULIC CONTROL
	383 271 R96	VALVE ASSY, HYDRAULIC CONTROL
	394 705 R96	VALVE ASSY, HYDRAULIC CONTROL
1	395 782 R2	CAP, CENTERING SPRING
2		NOT USED IN THIS APPLICATION
3	376 423 R1	RETAINER, CENTERING SPRING
4	384 381 R1	SPRING, CENTERING
5		NOT USED IN THIS APPLICATION
6	395 781 R3	RETAINER, VALVE SPOOL O-RING
7	528 249 R1	O-RING, 7/8 X 1-1/16 X 3/32 -CONTROL VALVE SPOOL LOWER-
8	395 278 R1	SPRING, CHECK POPPET
9	395 277 R1	POPPET, W/SEAL CHECK
10	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32 -CHECK BALL RETAINER INNER-
11	383 280 R1	RETAINER, CHECK BALL
12	362 796 R1	O-RING, 15/16 X 1-1/8 X 3/32 -CHECK BALL RETAINER OUTER-

HYDRAULIC CONTROL VALVES -CONTINUED
-THREE POSITION SPRING CENTERED-

REF. NO.	PART NUMBER	DESCRIPTION
13	376 433 R1	WASHER, VALVE BODY PLUG O-RING BACK-UP
14	537 603 R1	RING, CHECK BALL RETAINER SNAP
15		BODY ASSY, CONTROL VALVE -NOT SERVICED SEPARATELY, ORDER VALVE ASSY-
16	406 181 R1	O-RING, 7/8 X 1-1/8 X 1/8 -CONTROL VALVE SPOOL UPPER
17	406 825 R1	RETAINER, CENTERING SPRING
18	395 95C R1	SCREW, CENTERING SPRING
	383 548 R92	PACKAGE, OPEN CENTER CONTROL VALVE CONSISTS OF-
		1 O-RING 406 181 R1
		1 O-RING 528 249 R1
		1 O-RING 359 158 R1
		1 O-RING 362 796 R1
		1 O-RING 364 879 R1
		1 POPPET ASSY 395 277 R1
		1 RETAINER 383 280 R1
		1 RING SNAP 537 603 R1
		1 SPRING 395 278 R1
		1 WASHER 376 433 R1-
	548 787 R91	PACKAGE, CONTROL VALVE LOWER SEAL -CONSISTS OF
		1 O-RING 528 249 R1
		1 RETAINER 395 781 R3
		1 CAP 395 782 R2-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

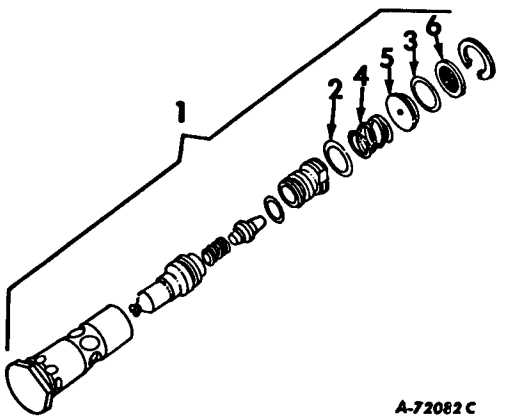
FLOW DIVIDER VALVE



	545 229 R91	VALVE ASSY, FLOW DIVIDER -3400 SERIES A TRACTORS-	
	545 824 R91	VALVE ASSY, FLOW DIVIDER -2500 SERIES A TRACTORS-	
1	547 256 R1	BODY	
2	547 259 R1	PISTON -3400 SERIES A TRACTORS-	
2	547 258 R1	PISTON -2500 SERIES A TRACTORS-	
3	9 410 359	PLUG	
4	570 828 R1	O-RING	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

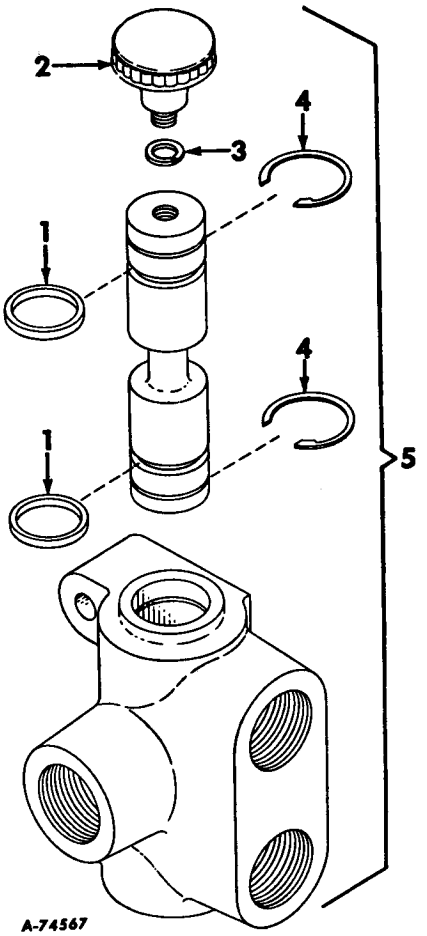
PILOT RELIEF VALVES



1	396 729 R92	VALVE ASSY PILOT RELIEF	
1	543 976 R91	VALVE ASSY PILOT RELIEF -LOCATED IN MULTIPLE CONTROL VALVE	
1	388 208 R93	VALVE ASSY, PILOT RELIEF	
2	406 185 R1	O-RING, 5/8 X 3/4 X 1/16 POPPET	
3	298 385 R1	O-RING, 11/16 X 13/16 X 1/16	
4	386 040 R1	SPRING, POPPET RETURN	
5	386 042 R1	PLATE, ORIFICE	
6	386 073 R91	SCREEN ASSY, PILOT RELIEF VALVE	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

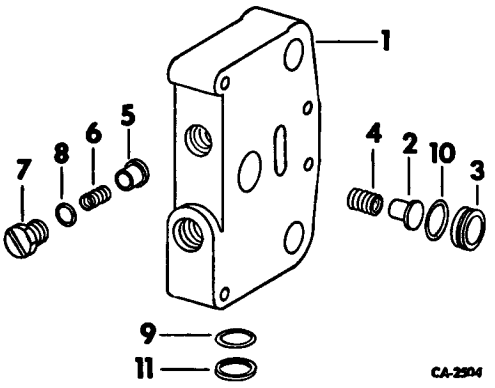
SELECTOR VALVE



1	403 519 R1	O-RING -2-	
2	389 255 R1	KNOB, CONTROL	
3	131 099	WASHER, 3/8 C-Z HV-LOCK	
4	23 090 R1	RING, SELECTOR VALVE RETAINING	
5	389 251 R92	VALVE ASSY, SELECTOR -INCLUDES REFERENCE NOS. 1 THRU 4-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

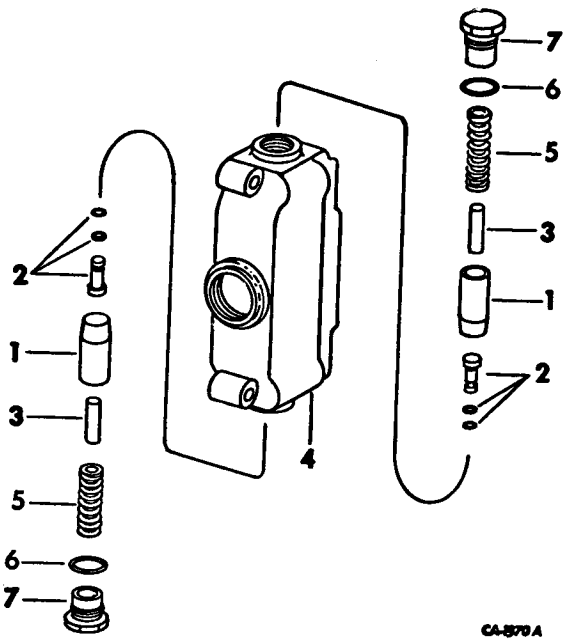
ADAPTER



	537 914 R92	ADAPTER ASSY, LH	
	537 857 R92	ADAPTER ASSY, RH	
1		BODY, ADAPTER -NOT SERVICED SEPARATELY ORDER VALVE ASSY-	
2	535 600 R1	CHECK	
3	535 601 R1	SEAT	
4	535 602 R1	SPRING, CHECK	
5	535 603 R1	PLUNGER, LIFT CHECK	
6	535 598 R1	SPRING, LIFT CHECK	
7	110 547 C1	PLUG W/O O-RING -REPLACES 535 594 R1-	
8	380 839 R1	O-RING, 7/8 X 1-1/16 X 3/32	
9	362 796 R1	O-RING, 15/16 X 1-1/8 X 3/32	
10	381 884 R1	O-RING, 1 X 1-3/16 X 3/32	
11	539 533 R1	WASHER, BACK-UP	
	537 863 R92	KIT, SEAL REPAIR CONSISTS OF 1 O-RING 364 879 R1 1 O-RING 362 796 R1 1 O-RING 381 884 R1 1 WASHER 539 533 R1 1 O-RING 380 839 R1-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

END PLATE

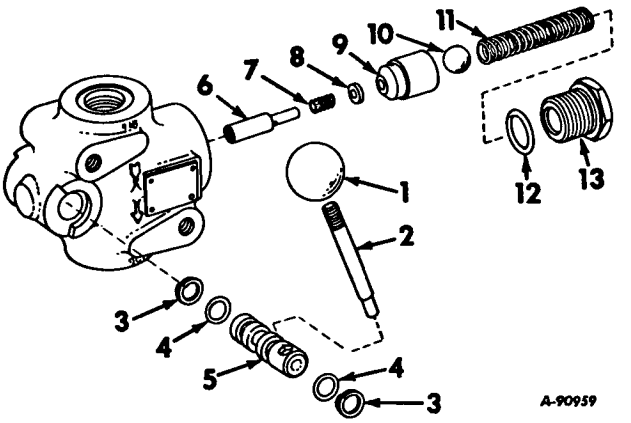


CA-570A

REF. NO.	PART NUMBER	DESCRIPTION
	537 915 R92	PLATE ASSY, END RH
	537 850 R93	PLATE ASSY, END LH
1	537 851 R1	SPOOL -2-
2	65 054 C1	PLUNGER W/SEALS -2-
3	22 510 R1	PIN, 3/8 X 1-3/8 DOWEL -2-
4		BODY, END PLATE -NOT SERVICED SEPARATELY ORDER END PLATE ASSY-
5	535 612 R1	SPRING -2-
6	381 884 R1	O-RING, 1 X 1-3/16 X 3/32 -2-
7	535 611 R1	PLUG -2-
	60 358 C91	KIT, SEAL REPAIR -CONSISTS OF 2 O-RING 381 884 R1 2 PLUNGER 65 054 C1-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

CHECK VALVE LEVER OPERATED

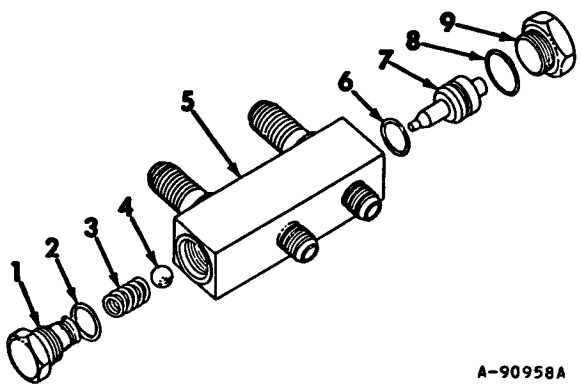


A-90959

REF. NO.	PART NUMBER	DESCRIPTION
	488 897 R92	VALVE ASSY, CHECK
1	489 055 R1	KNOB
2	489 054 R1	HANDLE
3	157 925 H1	RING, BACK-UP -2-
4	355 966 R1	O-RING, 7/16 X 5/8 X 3/32 -2-
5	489 053 R1	CAM
6	489 056 R2	CAM FOLLOWER
7	489 058 R2	SPRING
8	489 057 R2	WASHER
9	489 051 R1	VALVE, POPPET
10	16 016 R1	BALL, 1/2 DIA CHROME STEEL
11	489 052 R1	SPRING
	17 272 R1	PIN, ROLL DRIVE
12	368 269 R1	O-RING, 3/4 OD TUBE
13	489 050 R1	PLUG, CHECK VALVE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

CHECK VALVE
-STABILIZER-



A-90958A

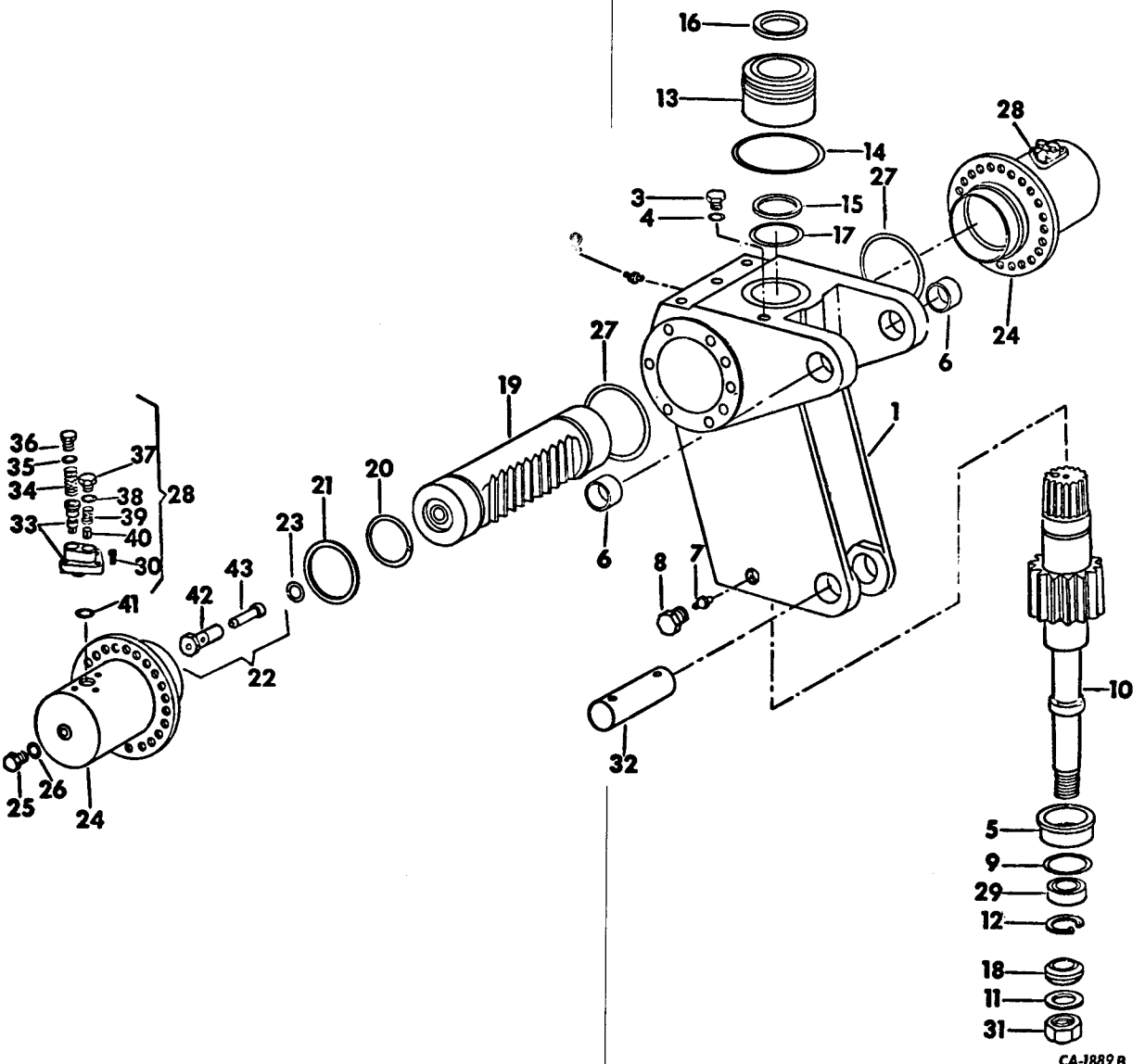
REF. NO.	PART NUMBER	DESCRIPTION
	400 433 R92	VALVE ASSY, STABILIZER CHECK
1	59 060 C1	PLUG, CHECK VALVE -ALSO FURNISH SPRING, 59 061 C1-
2	364 885 R1	O-RING FOR 5/8 OD TUBE CHECK VALVE RING
3	59 061 C1	SPRING, CHECK VALVE -ALSO FURNISH PLUG, 59 060 C1-
4	17 016 R1	BALL, 1/2 CR-STL
5	400 659 R1	BLOCK ASSY, CHECK VALVE
6	21 433 R1	O-RING, ACTUATOR CHECK VALVE -REPLACES 350 667 R1-
7	362 707 R3	PISTON, ACTUATOR CHECK VALVE
8	368 269 R1	O-RING FOR 3/4 OD TUBE CHECK VALVE RING
9	400 664 R1	PLUG, O-RING BOSS

3142 BACKHOE -59- SECTION J

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SWING MECHANISM



1	545 216 R91	HOUSING W/BUSHING, SWING	
2	479 670 R1	SCREW, 1/2-13 X 2 HEX-SOC-HD HALF DOG PT SET	
3	9 410 360	PLUG, 7/8-14 C-Z STR-THD O-RING BOSS	
4	364 885 R1	O-RING, 5/8 OD TUBE	
5	468 332 R1	BUSHING, LOWER SHAFT BRONZE	
6	468 346 R1	BUSHING, PIVOT PIN -2-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SWING MECHANISM -CONTINUED

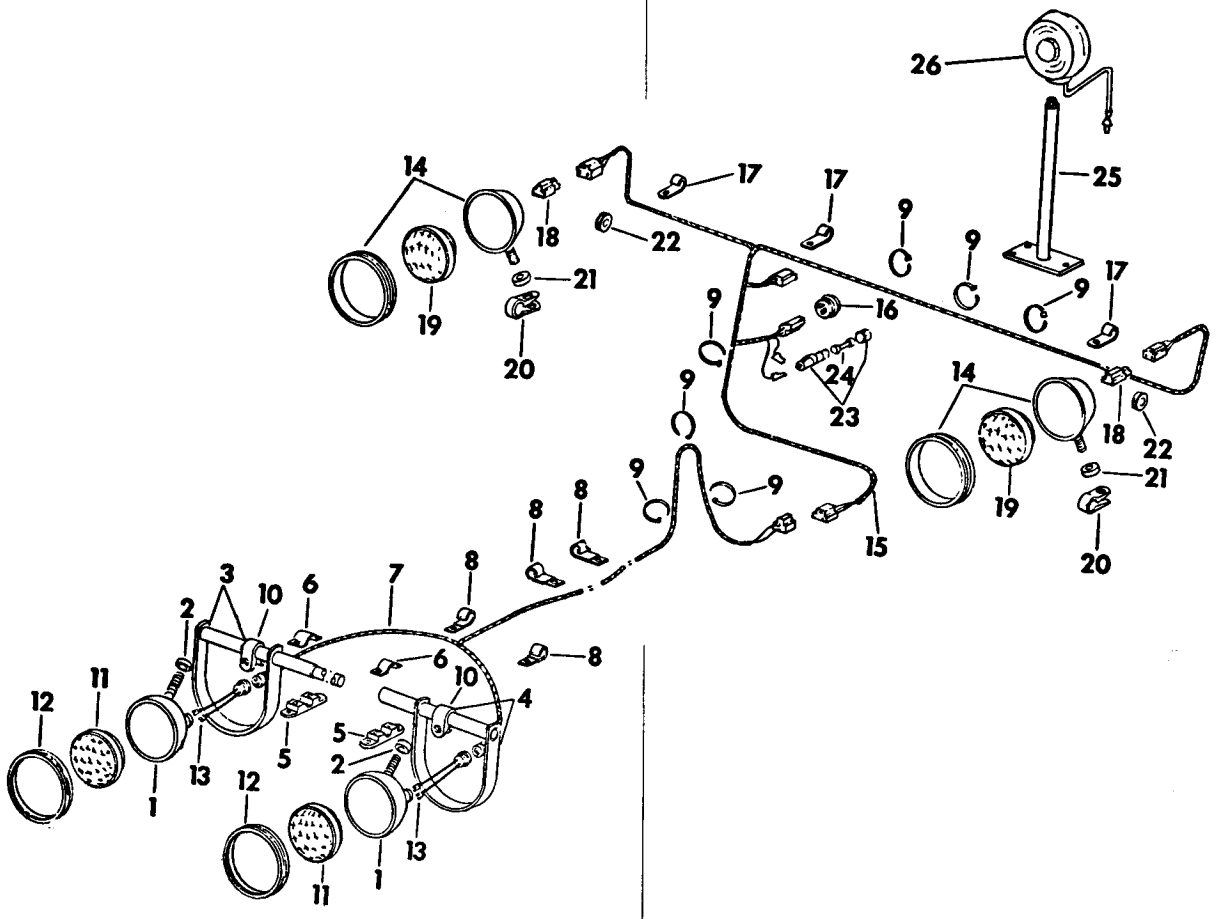
7	109 461	FITTING, 1/8-27 PTF STR LUB SHORT	
8	445 097	PLUG, 7/8-18 HEX-HD DRAIN	
9	471 140 R1	O-RING, 3 X 3-3/8 X 3/16 FOR POWER SHAFT BUSHING	
10	545 219 R2	SHAFT	
11	544 150 R1	WASHER, SHAFT	
12	468 337 R1	RING, LOWER SHAFT BUSHING RETAINING	

REF. NO.	PART NUMBER		DESCRIPTION	BKH-1
	SWING MECHANISM -CONTINUED			
13	545 220	R1	BUSHING, UPPER SWING SHAFT	
14	3 046 994	R1	O-RING, 5-5/8 X 5-7/8 X 1/8 -UPPER SHAFT BUSHING-	
15	489 532	R1	WASHER, BACKUP	
16	468 334	R91	SEAL, UPPER SHAFT BUSHING DUST	
17	468 335	R1	O-RING, 3-3/8 X 3-3/4 X 3/16 -FOR UPPER SHAFT BUSHING-	
18	468 336	R1	SPACER, LOWER SHAFT BEARING	
19	488 498	R1	PISTON	
20	468 339	R1	O-RING, 4 X 4-1/4 X 1/8 -2- -ON PISTON-	
21	468 340	R1	RING, PISTON -2-	
22	394 311	R91	VALVE ASSY, PISTON SAFETY -2-	
23	296 247	R1	O-RING, 1 IN. OD TUBE -2- -ON SAFETY VALVE ASSY-	
24	545 221	R1	BODY, SWING CYL -2-	
	484 667	R1	SCREW, 5/8-11 X 1-1/2 HEX-HD CAP -16-	
25	9 410 358		PLUG, 9/16-18 C-Z STR THD O-RING BOSS -2-	
26	364 839	R1	O-RING, 3/8 OD TUBE -2- -FOR SWING BODY-	
27	285 253	R1	O-RING, 5-1/2 X 5-3/4 X 1/8 -2- -BETWEEN HOUSING AND BODY-	
28	544 698	R91	VALVE ASSY, DECELERATOR -2-	
29	545 222	R91	BEARING, SELF-ALIGNING SWING SHAFT	
30	601 924	C1	SCREW, 3/8-16 X 7/8 FLANGED 12 PT -6-	
31	18 460	R1	NUT, 1-1/2-12 HEX. NYLON INSERT	
32	468 370	R1	PIN, LIFT CYL PIVOT	
	631 252	R1	PIN, 3/8 X 4-1/8 STD-HD -2-	
	177 923		PIN, 1/8 X 3/4 C-Z COT. -2-	
33	544 699	R1	HOUSING ASSY, VALVE	
34	392 963	R1	SPRING, VALVE PISTON	
35	364 885	R1	O-RING, 3/4 X 15/16 X 3/32	
36	392 964	R1	PLUG, PISTON	
37	392 962	R11	PLUG ASSY, CHECK VALVE	
38	570 828	R1	O-RING, 1/2 OD TUBE	
39	382 915	R1	SPRING ASSY, CHECK VALVE	
40	382 916	R1	POPPET, CHECK VALVE	
41	25 173	R1	O-RING, 1-5/8 X 1-13/16 X 3/32 -2- -BETWEEN VALVE HOUSING & SWING CYL	
42	382 995	R1	BODY, CUSHION VALVE -2-	
43	394 312	R91	POPPET ASSY, CUSHION VALVE -2-	

3142 BACKHOE -61- SECTION J

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

LIGHTING - STANDARD & DELUXE
-3400 SERIES A LOADER TRACTORS-



CA-2757A

REF. NO.	PART NUMBER	DESCRIPTION
1	391 005 R91	LIGHT ASSY, COMBINATION SHOCK PROOF -2- -INCLUDES REF NOS 11, 12 & 13-
2	365 503 R1	SPACER, LIGHT -2-
	120 384	WASHER, 1/2 C-Z MED LOCK -2-
	120 378	NUT, 1/2-13 C-Z HEX. -2-
3	535 386 R91	GUARD ASSY, BACKHOE LIGHT
4	535 390 R91	GUARD ASSY, BACKHOE LIGHT
5	535 391 R1	BRACKET, LIGHT
	180 077	SCREW, 5/16-18 X 3/4 ZND HEX-HD CAP -4-
	120 214	WASHER, 5/16 ZND MED LOCK -4-
6	535 392 R1	STRAP, LIGHT CLAMP -2-
	180 077	SCREW, 5/16-18 X 3/4 ZND HEX-HD CAP -4-
	120 214	WASHER, 5/16 ZND MED LOCK -4-
7	547 685 R1	HARNESS ASSY, BOOM FLOOD LIGHTS
8	362 120 R1	CLIP, LIGHT CABLE HARNESS -5-
	180 077	SCREW, 5/16-18 X 3/4 ZND HEX-HD CAP -2-
	120 376	NUT, 5/16-18 ZND HEX. -2-
	120 214	WASHER, 5/16 ZND MED LOCK
9	535 394 R1	STRAP, CABLE TIE -3-
10	350 920 R1	CLAMP -2-
11	373 662 R91	UNIT, SEALED BEAM -2-
12	676 078 R1	RETAINER -2-
13	530 029 R91	CONNECTOR -2-
14	387 729 R92	LIGHT ASSY, COMBINATION SHOCK PROOF -2- -ONLY SERVICEABLE ITEMS ARE LAMP, 455 490 AND SEALED BEAM UNIT, 371 461 R92-
15	546 031 R1	CABLE ASSY, BACKHOE LIGHTING
16	394 771 R92	SWITCH ASSY, LIGHT
17	366 460 R1	CABLE, CLAMP -3-

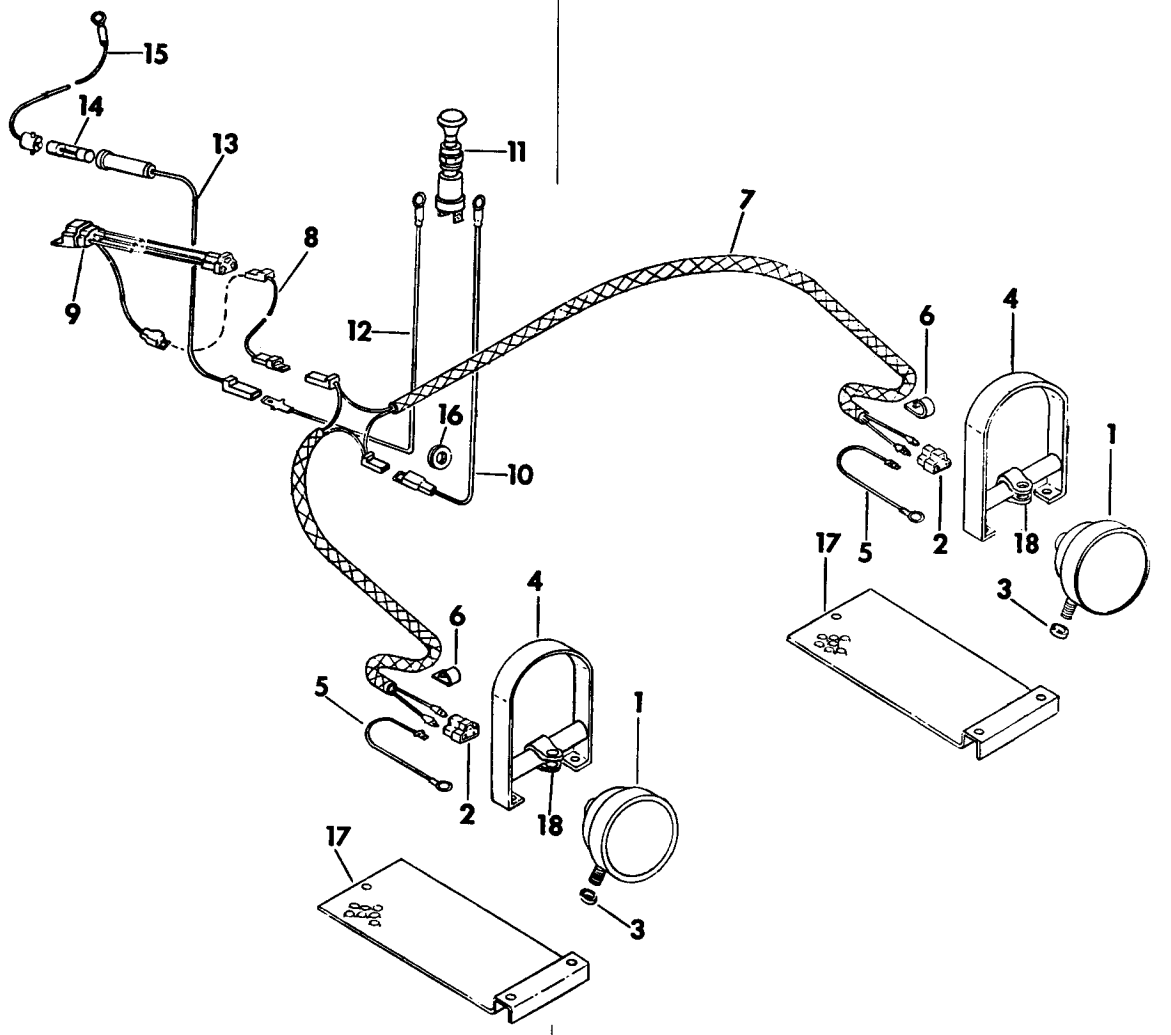
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		LIGHTING - STANDARD & DELUXE -CONTINUED -3400 SERIES A LOADER TRACTORS-	
18		CONNECTER, BREAKAWAY TYP-GG -2- -NOT SERVICED SEPARATELY ORDER HARNESS ASSY. 546 031 R1-	
19	371 461 R92	UNIT, SEALED BEAM -2-	
20	350 920 R1	CLAMP, HEADLIGHT -2-	
21	365 503 R1	SPACER, LIGHT -2-	
	120 384	WASHER, 1/2 ZND MED LOCK -2-	
	120 378	NUT, 1/2-13 ZND HEX. -2-	
22	120 879	GROMMET SIZE #7 -2-	
23	376 852 R91	HOUSING ASSY, FUSE	
24	432 644	FUSE CARTRIDGE TYPE SFE 20	
25	546 033 R1	SUPPORT ASSY, WARNING LIGHT -2-	
26	67 539 C91	LIGHT ASSY, FLASHING WARNING -2- -ONLY SERVICEABLE ITEMS ARE LAMP, 9 417 866 AND HOUSING, AMBER LENS, 69 616 C1-	

3142 BACKHOE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

LIGHTING
-2500 SERIES A LOADER TRACTORS-

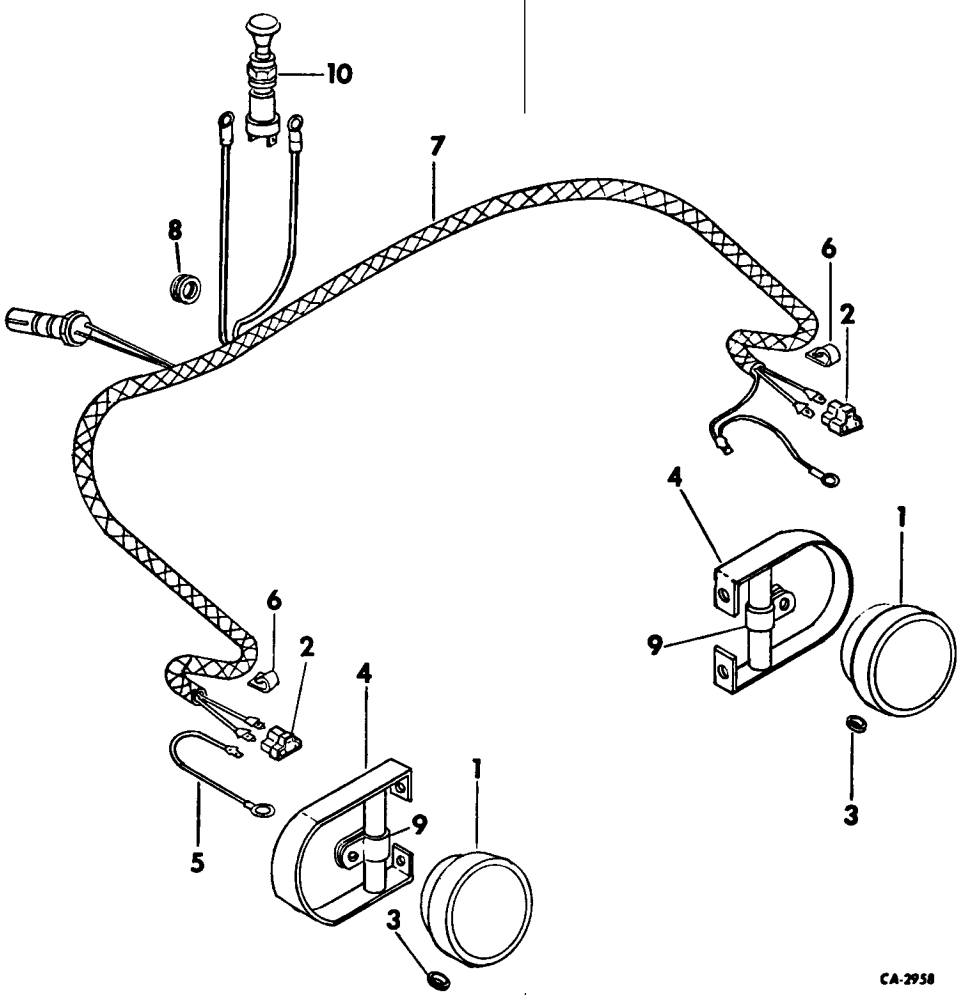


CA-2933

REF. NO.	PART NUMBER	DESCRIPTION
1	387 729 R92	LIGHT ASSY, COMBINATION SHOCKPROOF -2- -ONLY SERVICEABLE ITEMS ARE LAMP 455 490, RETAINER, 676 078 R1 AND SEALED BEAM UNIT, 371 461 R92-
2	377 105 R1	CONNECTOR -2-
3	365 503 R1	SPACER, LIGHT -2-
	120 373	NUT, 1/2-13 ZND HEX.
	120 384	WASHER, 1/2 ZND MED LOCK -2-
4	482 979 R11	GUARD ASSY, BACKHOE LIGHT -2-
	180 122	SCREW, 3/8-16 X 1 ZND HEX-HD CAP -4-
	120 382	WASHER, 3/8 ZND MED LOCK -4-
	120 377	NUT, 3/8-16 ZND HEX. -4-
5	481 737 R91	CABLE ASSY, LIGHT TO GROUND -2-
6	366 460 R1	CLIP, CABLE -2-
7	481 733 R91	CABLE ASSY, REAR LIGHT TO TAIL LIGHT
8	481 734 R91	CABLE ASSY, INTERMEDIATE TAIL LIGHT
9	549 792 R1	CABLE ASSY, BACKHOE SPLICER
10	481 736 R91	CABLE ASSY, SWITCH TO HEAD LIGHT
11	362 818 R91	SWITCH ASSY, LIGHT
12	481 735 R91	CABLE ASSY, LIGHT SWITCH TO FUSE
13	469 657 R1	HOUSING ASSY, FUSE
14	117 142	FUSE, CARTRIDGE TYPE AGC10
15	469 656 R1	CAP ASSY, FUSE HOUSING
16	42 486 H	GROMMET, RUBBER
17	547 103 R1	FLOOR PLATE, SIDE -2-
18	350 920 R1	CLAMP, HEAD LIGHT -2-

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

LIGHTING
-500C CRAWLER TRACTORS-

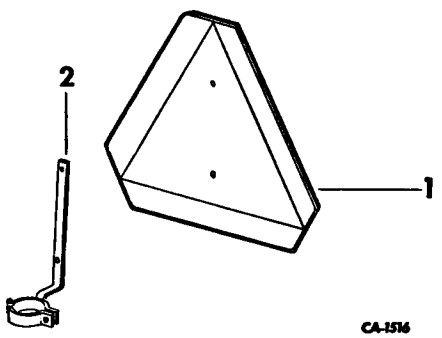


1	387 729 R92	LIGHT ASSY, COMBINATION SHOCKPROOF -2- -ONLY SERVICEABLE ITEMS ARE LAMP 455 490, RETAINER, 676 078 R1 AND SEALED BEAM UNIT, 371 461 R92-
2	377 105 R1	CONNECTOR -2-
3	365 503 R1	SPACER, LIGHT -2-
	120 378	NUT, 1/2-13 C-Z HEX. -2-
	120 384	WASHER, 1/2 C-Z MED LOCK -2-
4	482 979 R11	GUARD ASSY, BACKHOE LIGHT -2-
	180 124	SCREW, 3/8-16 X 1-1/4 C-Z HEX-HD CAP -4-
	120 382	WASHER, 3/8 C-Z MED LOCK -4-
	120 377	NUT, 3/8-16 C-Z HEX. -4-
5	481 737 R91	CABLE ASSY, LIGHT TO GROUND
6	366 460 R1	CLIP, CABLE -2-
7	492 623 R91	CABLE ASSY, BACKHOE LIGHTS
8	42 486 H	GROMMET, RUBBER
9	350 920 R1	CLAMP, HEAD LIGHT -2-
10	362 818 R91	SWITCH ASSY, LIGHTING

3142 BACKHOE -65- SECTION J
REF. NO. | PART NUMBER | DESCRIPTION | BKH-1
LIGHTING -CONTINUED
-500C CRAWLER TRACTORS-

REF. NO.	PART NUMBER	DESCRIPTION	8KH-1

SLOW MOVING VEHICLE EMBLEM



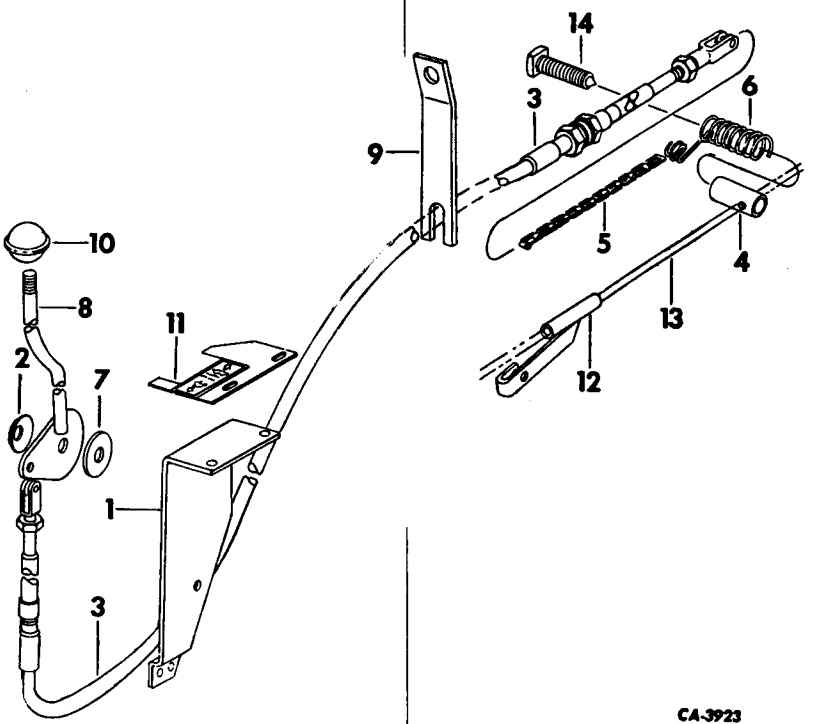
1	202 013 C1	EMBLEM, SLOW MOVING VEHICLE
	120 221	SCREW, 10-24 X 1/2 RD-HD SLT MACH -2-
	120 361	NUT, 10-24 HEX. -2-
	607 893 R1	WASHER, 13/64 X 1/2 X 16 GA -2-
2	534 794 R1	BRACKET ASSY, REFLECTOR MOUNTING
	18 628 R1	BOLT, 1/4 X 1-1/4 SQ-NK CRG
	126 177	NUT, 1/4-20 WING
	104 084	RIVET, 1/4 X 7/8 BUTTON HEAD

3142 BACKHOE -66- SECTION J
REF. NO. PART NUMBER DESCRIPTION 8KH-1

PRINTED IN UNITED STATES OF AMERICA

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

THROTTLE CONTROL ATTACHMENT
-3400 SERIES A GASOLINE ENGINE TRACTORS-



CA-3923

1	59 518 C1	THROTTLE PLATE ASSY, LH	
2	59 573 C1	WASHER, SPRING	
	124 829	NUT, 3/8-16 JAM -2-	
	180 078	SCREW, 5/16-18 X 7/8 ZND HEX-HD CAP -3-	
	120 214	WASHER, 5/16 MED LOCK -3-	
	120 376	NUT, 5/16-18 HEX. -3-	
3	59 578 C1	CABLE, CONTROL, 90 LG W/CLAMP & ENDS	
	132 049	SCREW, NO. 10-24 X 5/8 -2-	
	114 603	WASHER, NO. 10 INTERNAL TOOTH -2-	
	120 361	NUT, NO. 10-24 -2-	
4	59 580 C1	TUBE, THROTTLE CLAMP	
5	59 581 C1	CHAIN	
	120 394	WASHER, 13/32 X 13/16 X .051 ZND	
6	59 582 C1	SPRING, CONNECTOR	
7	59 572 C1	DISK, FRICTION	

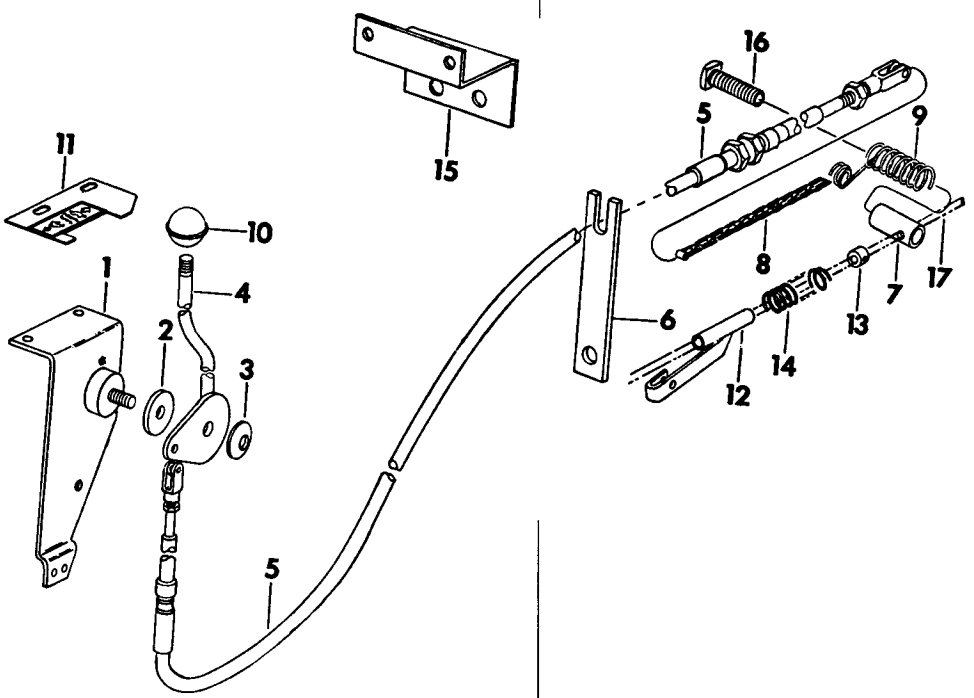
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

THROTTLE CONTROL ATTACHMENT -CONTINUED
-3400 SERIES A GASOLINE ENGINE TRACTORS-

8	59 574 C1	LEVER ASSY, THROTTLE LH	
9	59 583 C1	BRACKET, THROTTLE	
10	360 917 R1	BALL, TOUCH CONTROL HANDLE	
11	59 584 C1	STOP, THROTTLE	
	180 124	SCREW, 3/8-16 X 1-1/4 ZND HEX-HD CAP	
12	59 586 C1	CLEVIS ASSY, THROTTLE GAS	
	120 613	NUT, 1/4-28 ZND JAM	
13		ROD, ACCELERATOR -REFER TO TRACTOR CATALOG TC-159-	
14	102 899	SCREW, 3/8-16 X 1-3/4 CUP POINT SET	
	59 591 C1	PRODUCT GRAPHIC, THROTTLE CONTROL	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

THROTTLE CONTROL ATTACHMENT
-3400 SERIES A DIESEL ENGINE TRACTORS



CA-3922

REF. NO.	PART NUMBER	DESCRIPTION
1	59 519 C1	THROTTLE PLATE ASSY, RH
2	59 572 C1	DISK, FRICTION
3	59 573 C1	WASHER, SPRING
	124 829	NUT, 3/8-16 HEX. JAM -2-
	180 078	SCREW, 5/16-18 X 7/8 ZND HEX-HD CAP -3-
	120 214	WASHER, 5/16 MED LOCK -3-
	120 376	NUT, 5/16-18 HEX. -3-
4	59 575 C1	LEVER ASSY, THROTTLE RH
5	59 578 C1	CABLE, CONTROL, 90 LG W/CLAMP & ENDS
	132 049	SCREW, NO. 10-24 X 5/8 -2-
	114 603	WASHER, NO. 10 INTERNAL TOOTH -2-
	120 361	NUT, NO. 10-24 -2-
6	59 579 C1	BRACKET, THROTTLE
7	59 580 C1	TUBE, THROTTLE CLAMP
8	59 581 C1	CHAIN
	120 394	WASHER, 13/32 X 13/16 X .051 ZND
9	59 582 C1	SPRING, CONNECTOR

3142 BACKHOE -68- SECTION J

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

THROTTLE CONTROL ATTACHMENT -CONTINUED
-3400 SERIES A DIESEL ENGINE TRACTORS

REF. NO.	PART NUMBER	DESCRIPTION
10	360 917 R1	BALL, TOUCH CONTROL HANDLE
11	59 584 C1	STOP, THROTTLE
	179 889	SCREW, 1/2-13 X 2 HEX-HD CAP
12	59 585 C1	CLEVIS ASSY, THROTTLE DIESEL
13	59 590 C1	COLLAR, THROTTLE ROD
	192 208	SCREW, 8-32 X 3/16 ZND SOC-HD SET
14	373 448 R1	SPRING, HANDLE BUTTON
	120 613	NUT, 1/4-28 ZND JAM
15	59 592 C1	BRACKET, ETHER MOUNTING
16	102 899	SCREW, 3/8-16 X 1-3/4 CUP POINT SET
17		ROD, ACCELERATOR -REFER TO TRACTOR CATALOG TC-159-
	59 591 C1	PRODUCT GRAPHIC, THROTTLE CONTROL

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

PRODUCT GRAPHICS

546 278 R91 PACKAGE, PRODUCT GRAPHICS
-CONSISTS OF
3400 SERIES A TRACTORS-
$ PRODUCT GRAPHIC, CONTROL DECAL
$ PRODUCT GRAPHIC, CONTROL DECAL
$ PRODUCT GRAPHIC, CONTROL DECAL
$ PRODUCT GRAPH&C, CONTROL DECAL
$ PRODUCT GRAPHIC, GREASE GUN

547 496 R1 PRODUCT GRAPHIC PKG, INT

547 494 R91 PRODUCT GRAPHIC, IH TRADEMARK -2-

544 266 R91 PACKAGE, PRODUCT GRAPHIC
-2500 SERIES A TRACTORS-
-CRAWLER TRACTORS-
-CONSISTS OF-
$ PRODUCT GRAPHIC, GREASE GUN
$ PRODUCT GRAPHIC, BACKHOE CONT
$ PRODUCT GRAPHIC, BACKHOE CONT
$ PRODUCT GRAPHIC, BACKHOE CONT
$ PRODUCT GRAPHIC, BACKHOE CONT
$ PRODUCT GRAPHIC, BACKHOE CONT
$ PRODUCT GRAPHIC, BACKHOE CONT
$ PRODUCT GRAPHIC, IMPORTANT

622 847 C1 PRODUCT GRAPHIC, IMPORTANT
-CRAWLER TRACTORS-

3142 BACKHOE -69- SECTION J

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

3142 BACKHOE -70- SECTION J

REF. NO. PART NUMBER DESCRIPTION BKH-1

PRINTED IN UNITED STATES OF AMERICA

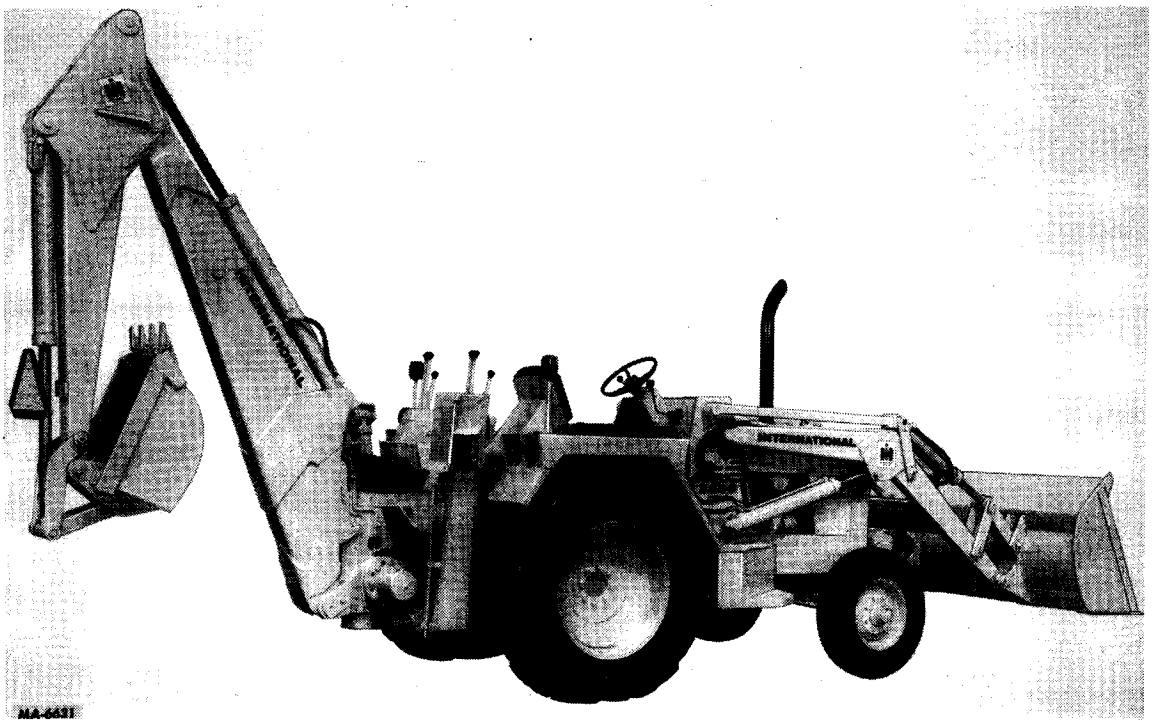
BKH-1

INTERNATIONAL 3152 BACKHOE

Built 1972 and Since

For use with the following Tractors:

3500 SERIES A LOADER TRACTORS



International 3152 Backhoe shown on International 3500 Series A Loader Tractor.

INDEX TO UNITS BKH-1

DESCRIPTION	Gp	Pg	Grid
ADAPTER, Valve		37	3 I15
BOOM		5	3 H5
BRACKET, Slow Moving Vehicle		42	3 I20
BUCKET		5	3 H5
CONTROLS, Hydraulic			
Four Lever		13	3 H13
Two Lever		15	3 H15
CYLINDERS			
Bucket		9	3 H9
Dipperstick		11	3 H11
Lift		9	3 H9
Stabilizer		9	3 H9
Two Ft. Extendable Dipperstick		12	3 H12
DIPPERSTICK		5	3 H5
EMBLEM, Slow Moving Vehicle		42	3 I20
END PLATE, Valve		37	3 I15
FRAME, Main		3	3 H3
GRILLE		17	3 H17
HYDRAULIC CONNECTIONS			
Check Valve		33	3 I11
Control Valves (Bulkhead to Boom, Bucket and Dipperstick)		25	3 I3
Four Lever		23	3 I1
Two Lever		23	3 I1
Two Ft. Extendable Dipperstick		29	3 I7
Valves, Auxiliary		29	3 I7
HYDRAULIC CONTROL VALVES			
Four Lever		19	3 H19
Two Lever		21	3 H21
Two Ft. Extendable Dipperstick		19	3 H19
LIGHTING, Standard		41	3 I19
PADS		3	3 H3
PLATES, Floor		17	3 H17
POWER SUPPLY			
From the Tractor		27	3 I5
To the Backhoe		28	3 I6
PRODUCT GRAPHICS		45	3 I23
STABILIZER		3	3 H3
SUBFRAME		8	3 H8
SWING MECHANISM		39	3 I17
TOWER, Control and Covers		17	3 H17
TUBES, Hydraulic			
Four Lever		23	3 I1
Two Lever		23	3 I1
VALVES			
Section			
Boom		35	3 I13
Bucket		36	3 I14
Dipperstick		36	3 I14
Stabilizer		36	3 I14
Swing		34	3 I12
Stabilizer Check		38	3 I16
PARTS ACCESSORIES AND ATTACHMENTS			
LIGHTING, Deluxe		41	3 I19
PADS		3	3 H3
THROTTLE CONTROL			
For Gasoline Tractors		43	3 I21
For Diesel Tractors		44	3 I22
TWO FT. EXTENDABLE DIPPERSTICK		31	3 I9
TWO LEVER CONTROLS		15	3 H15
VALVE, Auxiliary Attachment		29	3 I7

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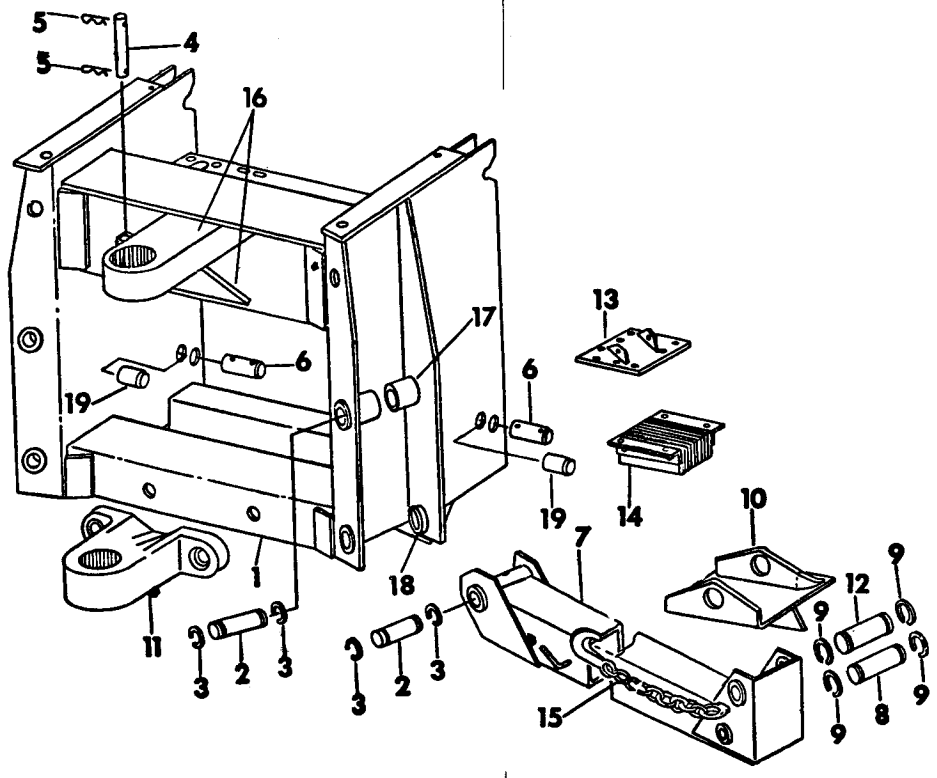
MAIN FRAME, STABILIZER AND PADS



CA-2761C

REF. NO.	PART NUMBER	DESCRIPTION
1	544 842 R91	FRAME ASSY -INCLUDES REF NOS 17, 18 & 19-
	223 156	SCREW, 1/2-13 X 1-1/4 HEX-SOC-HD -2- HALF DOG PT SET
2	544 868 R1	PIN, STABILIZER TO MAIN FRAME -4-
3	468 283 R1	RING, EXTERNAL RETAINING FOR 1.5 DIA -8-
4	544 869 R1	PIN, SWING LOCK
5	520 177 R1	PIN, QUICK ATTACH COT. -2-
6	543 330 R1	PIN, SUBFRAME TO MAINFRAME -2-
	21 656 R1	PIN, 3/8 X 2-3/4 ZND COT -4-
7	545 980 R1	STABILIZER ASSY LH
7	59 267 C1	STABILIZER ASSY RH
	126 152	FITTING, 1/8-27 PTF 45 DEG. LUB -2-
8	468 636 R1	PIN, STABILIZER TO PAD -2-

MAIN FRAME, STABILIZER AND PADS -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
9	468 283 R1	RING, EXT RETAINING -8-
10	468 392 R11	PAD ASSY, BACKHOE STABILIZER TRENCHING
11	544 831 R91	SWING MOUNT ASSY, BOTTOM
	137 408 H1	WASHER, 1-1/32 X 2 X .125 HEAT -4- TREATED
	22 398 R1	SCREW, 1-8 X 5 TYPE 8 HEX-HD CAP -2-
	274 991	NUT, 1-8 TYPE 8 HEX -2-
12	545 988 R1	PIN STABILIZER TO CYL -2-
13	469 103 R92	PAD ASSY, STABILIZER SOD LH
13	469 104 R92	PAD ASSY, STABILIZER SOD RH
14	544 015 R1	PAD ASSY, STREET -2-
	271 767	SCREW, 3/4-10 X 1-1/2 ZND HEX-HD CAP -8-
	131 046	WASHER, 3/4 ZND MED LOCK -8-
	220 086	NUT, 3/4-10 HEX. -8-
	470 460 R21	CHAIN ASSY, STABILIZER TRANSPORT -2-
15	470 460 R21	CHAIN ASSY, TRANSPORT -2-

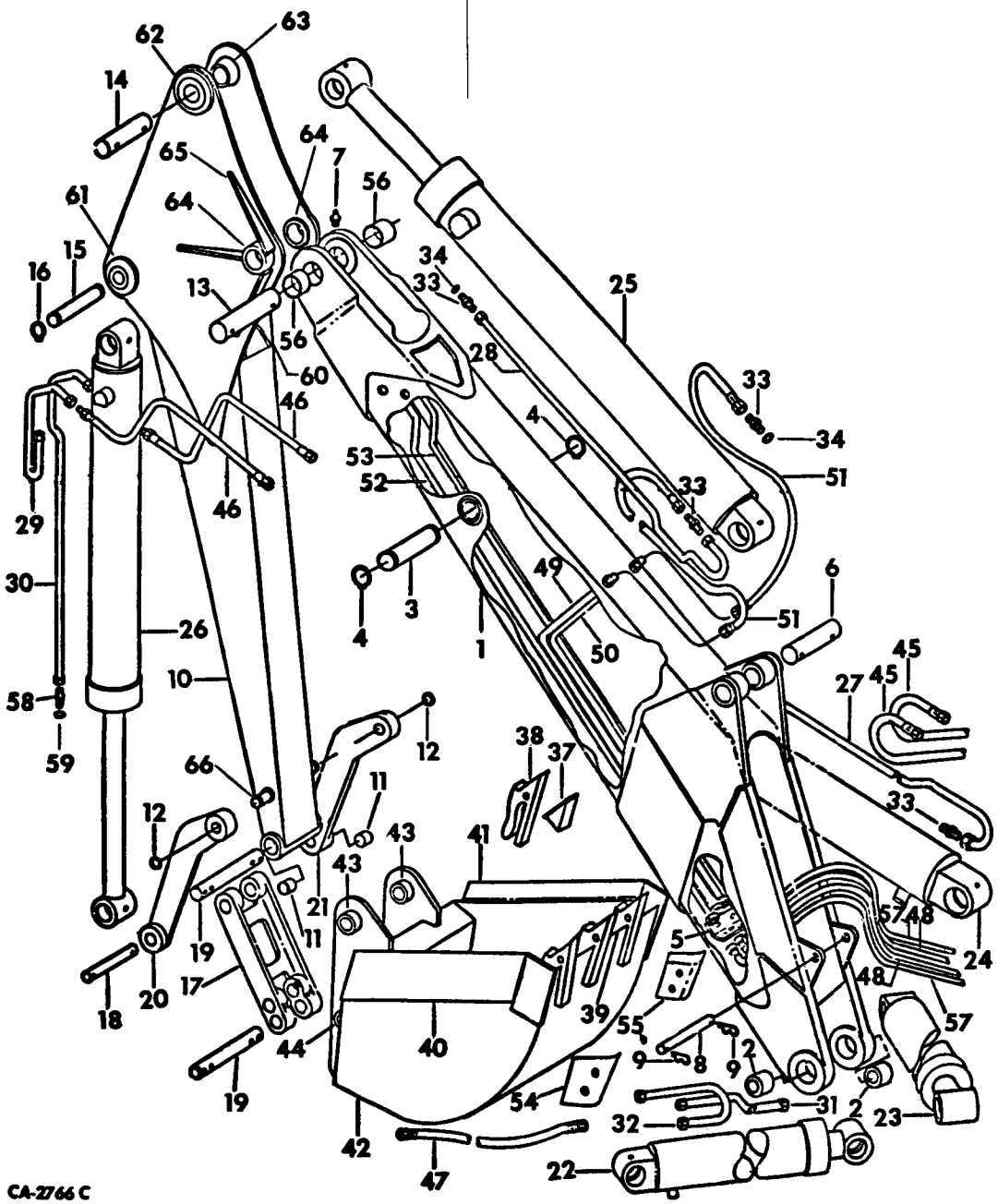
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		MAIN FRAME, STABILIZER AND PADS -CONTINUED	
16	61 626 C91	PACKAGE, SWING SUPPORT TONGUE -CONSISTS OF $1 TONGUE $1 GUSSET-	
17	544 862 R1	BOSS, UPPER STABILIZER CYLINDER -4-	
18	544 864 R1	BOSS, STABILIZER PIVOT -4-	
19	544 870 R1	PIN, MOUNTING -2-	

3152 SERIES A BACKHOE -4- SECTION K

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

BOOM, BUCKET, DIPPERSTICK, HYDRAULIC CYLINDERS & CONNECTIONS



-5- SECTION K
3152 SERIES A BACKHOE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

BOOM, BUCKET, DIPPERSTICK, HYDRAULIC -CONTINUED
CYLINDERS & CONNECTIONS

BOOM, BUCKET, DIPPERSTICK, HYDRAULIC -CONTINUED
CYLINDERS & CONNECTIONS

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
1	544 720 R93	BOOM ASSY -INCLUDES REF NOS. 2 AND 56-	
2	544 735 R1	BUSHING, BOOM PIVOT PRESS FIT -2-	
3	544 739 R1	SHAFT, LIFT CYL	
4	468 371 R1	RING, RETAINING -2-	
5	61 707 C2	BRACKET ASSY, BOOM TUBES -REPLACES 544 740 R1 -NOTE A- & 59 706 C1 -NOTE B-	
	180 123	SCREW, 3/8-16 X 1-1/8 ZND HEX-HD CAP -2-	
	120 382	WASHER, 3/8 ZND MED LOCK -2-	
	120 377	NUT, 3/8-16 ZND HEX. -2-	
	61 709 C1	CLAMP, BOOM TUBES	
	180 130	SCREW, 3/8-16 X 2 ZND HEX-HD CAP	
	120 382	WASHER, 3/8 ZND REG LOCK	
6	544 741 R1	PIN, CROWD CYL	
Q	677	PIN, 1/2 X 3-3/4 STD-HD -2-	
	103 407	PIN, 3/16 X 1 COT. -2-	
7	109 461	FITTING, 1/8-27 PTF SHORT LUB	
8	544 742 R2	PIN, TRANSPORT LOCK	
9	520 175 R1	PIN, QUICK ATTACH COT. -2-	
10	544 743 R91	DIPPERSTICK ASSY	
11	468 280 R1	BUSHING, LINK PIVOT - PRESS FIT -2-	
12	468 283 R1	RING, EXT RETAINING -2-	
13	544 769 R1	PIN, PIVOT	
Q	1 177	PIN, 1/2 X 4-1/4 STD-HD -2-	
	103 407	PIN, 3/16 X 1 COT. -2-	
14	544 770 R1	PIN, DIPPER CYL	
Q	677	PIN, 1/2 X 3-3/4 STD-HD -2-	
	103 407	PIN, 3/16 X 1 COT. -2-	
	109 461	FITTING, 1/8-27 PTF STR LUB -9-	
15	544 772 R1	PIN, BUCKET CYL	
16	468 283 R1	RING, EXT RETAINING -2-	
17	544 773 R1	LINK, BUCKET TILT	
18	468 284 R3	PIN, CYL LINK	
	472 712 R1	PIN, 1/2 X 3-9/16 HEADED -2-	
	103 407	PIN, 3/16 X 1 COT. -2-	
19	544 774 R2	PIN ASSY, CYL LINK -2-	
	472 713 R1	PIN, 1/2 X 2-9/16 HEADED -2-	
	103 407	PIN, 3/16 X 1 COT. -2-	
20	544 775 R1	LINK, BUCKET GUIDE LH	
21	544 776 R1	LINK, BUCKET GUIDE RH	
22	544 903 R91	CYLINDER ASSY, STABILIZER LH -DOUBLE ACTION- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
23	544 904 R91	CYLINDER ASSY, STABILIZER RH -DOUBLE ACTION- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
24	544 905 R91	CYLINDER ASSY, LIFT -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
25	548 309 R93	CYLINDER ASSY, DIPPER -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	

3152 SERIES A BACKHOE -6- SECTION K

BOOM, BUCKET, DIPPERSTICK, HYDRAULIC -CONTINUED
CYLINDERS & CONNECTIONS

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
26	544 907 R91	CYLINDER ASSY, BUCKET -NOTE A- -DOUBLE ACTION- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
26	59 510 C91	CYLINDER ASSY, BUCKET -NOTE B- -DOUBLE ACTION- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
27	545 989 R1	TUBE, LIFT CYLINDER ROD END	
28	545 990 R1	TUBE, DIPPER CYLINDER ROD END	
29	545 991 R1	TUBE, BUCKET CYLINDER HEAD END -NOTE A-	
29	59 709 C1	TUBE, BUCKET CYLINDER HEAD END -NOTE B-	
30	545 992 R1	TUBE, BUCKET CYLINDER ROD END -NOTE A-	
30	59 710 C1	TUBE, BUCKET CYLINDER ROD END -NOTE B-	
31	545 993 R2	TUBE, STABILIZER CYLINDER ROD END -2-	
32	545 994 R1	TUBE, STABILIZER CYLINDER HEAD END -2-	
33	9 410 204	UNION, 37 DEG FLARED TUBE SHORT SWIVEL -8-	
34	364 885 R1	O-RING, SAE *910 - FOR 5/8 IN. OD TUBE -8-	
35	9 410 203	UNION, 37 DEG FLARED TUBE SHORT SWIVEL -4-	
36	570 828 R1	O-RING, SAE *908 - FOR 1/2 IN. TUBE -4-	
37	532 948 R1	POINT, TOOTH	
	486 914 R1	PIN, TOOTH LOCKPIN -4 USED 24 IN. HEAVY DUTY BUCKET- -5 USED 30 IN. HEAVY DUTY BUCKET AND 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET- -6 USED 36 IN. HEAVY DUTY BUCKET-	
37	468 733 R1	POINT, TOOTH -7 USED 36 IN. BELLHOLE BUCKET-	
37	540 085 R1	POINT, LONG ROCK -4 USED 24 IN. HEAVY DUTY BUCKET- -5 USED 30 IN. HEAVY DUTY BUCKET AND 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET- -6 USED 36 IN. HEAVY DUTY BUCKET-	
37	103 659 C1	POINT, STAR -4 USED 24 IN. HEAVY DUTY BUCKET- -5 USED 30 IN. HEAVY DUTY BUCKET- -6 USED 36 IN. HEAVY DUTY BUCKET- -FOR USE IN SEVERE DIGGING CONDITIONS-	
37	544 873 R1	POINT, WIDE TOOTH -4 USED 24 IN. HEAVY DUTY BUCKET- -5 USED 30 IN. HEAVY DUTY BUCKET AND 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET- -6 USED 36 IN. HEAVY DUTY BUCKET-	
37	544 872 R1	POINT, WIDE TOOTH -7 USED 36 IN. BELLHOLE BUCKET-	
37	547 715 R1	TOOTH ASSY -4-	
	547 716 R1	PIN -4- -FOR 24 IN. SEVERE DUTY BUCKET-	
37	485 353 R1	POINT, TOOTH HEAVY DUTY -7 USED 36 IN. BELLHOLE BUCKET-	
37	540 087 R1	POINT, BREAKER -FOR FROST BREAKER-	
	540 088 R1	FLEXPIN, POINT	
	23 173 R1	PIN, 1/2 X 2.750 C-Z STD HD -4-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		BOOM, BUCKET, DIPPERSTICK, HYDRAULIC -CONTINUED CYLINDERS & CONNECTIONS	
38	61 532 C1	SHANK, TOOTH -REPLACES 547 182 R1- -USE 547 182 R1 W/BLADES 486 919 R1, 486 928 R1 & 486 933 R1- -4 USED 24 IN. HEAVY DUTY BUCKET- -5 USED 30 IN. HEAVY DUTY BUCKET AND 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET- -6 USED 36 IN. HEAVY DUTY BUCKET-	
38	547 714 R1	SHANK, TOOTH -4- -FOR 24 IN. SEVERE DUTY BUCKET-	
38	468 314 R1	SHANK, TOOTH -7 USED 36 IN. BELLHOLE BUCKET-	
39	103 056 C1	BLADE, FRONT CUTTING -REPLACES 486 919 R1- -USE 486 919 R1 W/SHANK 547 182 R1- -FOR 24 IN. HIGH CAPACITY HEAVY DUTY AND HEAVY DUTY BUCKET-	
39	61 529 C1	BLADE, FRONT CUTTING -REPLACES 486 928 R1- -USE 486 928 R1 W/SHANK 547 182 R1- -FOR 30 IN. HEAVY DUTY BUCKET-	
39	61 530 C1	BLADE, FRONT CUTTING -REPLACES 486 933 R1- -USE 486 933 R1 W/SHANK 547 182 R1- -FOR 36 IN. HEAVY DUTY BUCKET-	
39	468 770 R1	BLADE, FRONT CUTTING -FOR 36 IN BELLHOLE BUCKET-	
39	547 698 R1	EDGE, FRONT CUTTING -FOR 24 IN. SEVERE DUTY BUCKET-	
40	486 922 R1	BAR, RIGHT SIDE CUTTING FOR 24, 30, AND 36 IN. HEAVY DUTY BUCKET-	
40	490 096 R1	BAR, RIGHT SIDE CUTTING -FOR 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET-	
40	547 697 R1	EDGE, CUTTING RH -FOR 24 IN. SEVERE DUTY BUCKET-	
41	486 921 R1	BAR, LEFT SIDE CUTTING -FOR 24, 30 AND 36 IN. HEAVY DUTY BUCKET-	
41	490 095 R1	BAR, LEFT SIDE CUTTING -FOR 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET-	
41	547 696 R1	EDGE, CUTTING LH -FOR 24 IN. SEVERE DUTY BUCKET-	
42		BUCKET -SERVICED ONLY AS A MACHINE ATTACHMENT-	
43	547 132 R1	BOSS, BUCKET PIVOT -2-	
43	547 695 R1	BUSHING -2- -FOR 24 IN. SEVERE DUTY BUCKET-	
44	547 133 R1	BOSS, NOTCHED -2-	
44	547 694 R1	BUSHING -2- -FOR 24 IN. SEVERE DUTY BUCKET-	
45	545 379 R1	HOSE, BOOM CYLINDER -2-	
46	481 641 R91	HOSE, BUCKET CYLINDER -2- -NOTE A-	
46	59 720 C1	HOSE, BUCKET CYLINDER -2- -NOTE B-	
47	545 369 R1	HOSE, STABILIZER -4-	
48	545 380 R1	HOSE, DIPPER STICK -2-	

-7- SECTION K
3152 SERIES A BACKHOE

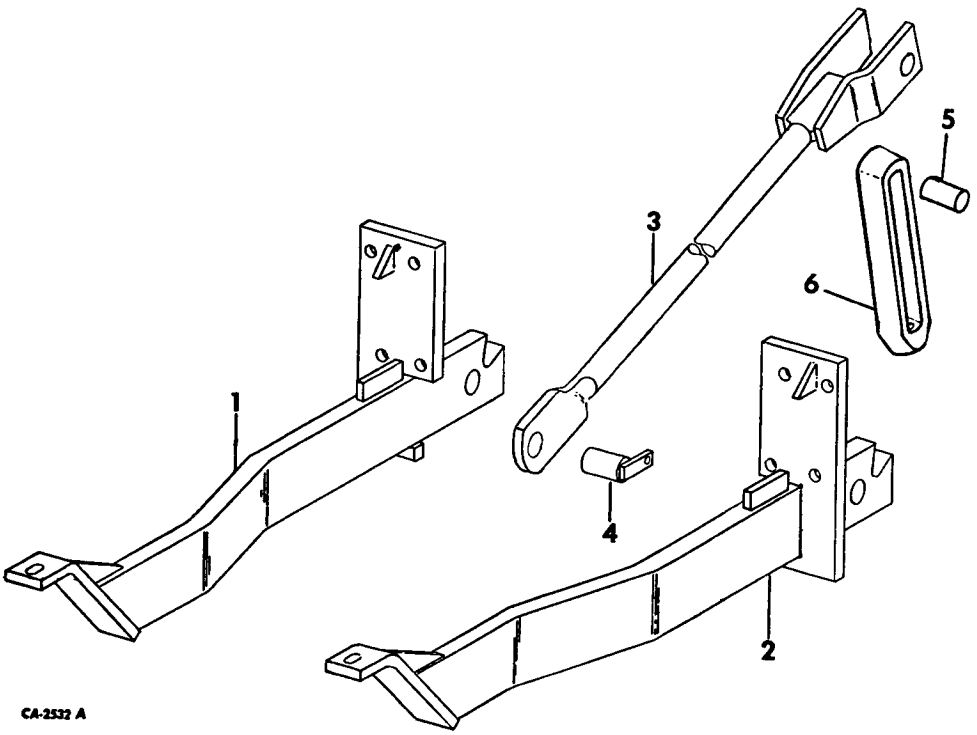
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		BOOM, BUCKET, DIPPERSTICK, HYDRAULIC -CONTINUED CYLINDERS & CONNECTIONS	
49	545 365 R2	TUBE, BOOM TO DIPPERSTICK LH	
9	410 061	NUT, 7/8-14 C-Z BULKHEAD UNION LOCK -2-	
50	545 366 R2	TUBE, BOOM TO DIPPERSTICK RH	
9	410 061	NUT, 7/8-14 C-Z BULKHEAD UNION LOCK -2-	
51	545 381 R1	HOSE & TUBE, DIPPERSTICK CYLINDER -2-	
52	545 367 R1	TUBE, BOOM TO DIPPERSTICK LH -NOTE A-	
	138 566	WASHER, 7/8 C-Z INT-TOOTH LOCK -2-	
9	403 295	NUT, 7/8-14 C-Z BULKHEAD UNION LOCK -2-	
52	59 718 C1	TUBE, BOOM TO DIPPERSTICK LH -NOTE B-	
9	410 062	NUT, 1-1/16 C-Z BULKHEAD LOCK -2-	
53	545 368 R1	TUBE, BOOM TO DIPPERSTICK RH -NOTE A-	
	138 566	WASHER, 7/8 C-Z INT-TOOTH LOCK -2-	
9	403 295	NUT, 7/8-14 C-Z BULKHEAD UNION LOCK -2-	
53	59 719 C1	TUBE, BOOM TO DIPPERSTICK RH -NOTE B-	
9	410 062	NUT, 1-1/16 C-Z BULKHEAD LOCK	
54	547 699 R1	EDGE, SIDE CUTTING LH -FOR 24 IN. SEVERE DUTY BUCKET-	
55	547 700 R1	EDGE, SIDE CUTTING RH -FOR 24 IN. SEVERE DUTY BUCKET-	
	20 105 R1	SCREW, 5/8-11 X 2-1/2 ZND TYPE 8 HEX-HD CAP -4-	
	21 434 R1	NUT, 5/8-11 ZND TYPE 8 -4-	
56	531 873 R1	BUSHING, DIPPERSTICK PIVOT -2-	
57	545 380 R1	HOSE, BUCKET -2- -NOTE A-	
57	59 721 C1	HOSE, BUCKET -2- -NOTE B-	
58	9 410 204	UNION, 37 DEG FLARED TUBE SHORT SWIVEL -2- -NOTE A-	
58	9 410 205	UNION, 37 DEG FLARED TUBE SHORT SWIVEL -2- -NOTE B-	
59	364 885 R1	O-RING, 5/8 OD TUBE -2- -NOTE A-	
59	368 269 R1	O-RING, 3/4 OD TUBE -2- -NOTE B-	
60	544 745 R1	PLATE, TOP	
61	544 746 R1	BOSS, BUCKET CYL PIVOT -2-	
62	544 747 R1	BOSS, CROWD CYL PIN PIVOT	
63	544 748 R1	PIVOT, CROWD CYL	
64	544 762 R1	BOSS, PLATE PIVOT -2-	
65	544 763 R1	RIB, PIVOT BOSS -6-	
66	544 767 R1	SHAFT, BUCKET LINK PIVOT	

-NOTE A-
-FOR USE W/BOOMS HAVING I. D. NO. 3152U1111-

-NOTE B-
-FOR USE W/BOOMS HAVING I. D. NO. 3152U1112-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME



CA-2532 A

1	545 355 R1	SUBFRAME ASSY, LH	
2	545 356 R1	SUBFRAME ASSY, RH	
3	545 963 R1	TIE, ROD ASSEMBLY	-2-
4	545 969 R1	PIN ASSY, TIE ROD	-2-
	180 122	BOLT, 3/8 X 1 ZND HEX-HD	-2-
	120 382	WASHER, 3/8 ZND LOCK	-2-
	23 853 R1	SCREW, 3/4-10 X 3 TYPE 8 HEX-HD CAP	-2-
	25 712 R1	WASHER, .812 X 1.500 X .179	-2-
	274 141	NUT, 3/4-10 HEX TYPE 8	-2-
5	545 967 R2	PIN, SUBFRAME	-2-
	468 283 R1	RING, SNAP	-4-
6	103 017 C1	LUG, MAINFRAME MOUNTING	-2-
	27 322 R1	SCREW, 1-8 X 8 IN. 12 PT FLANGED-HD	-2-

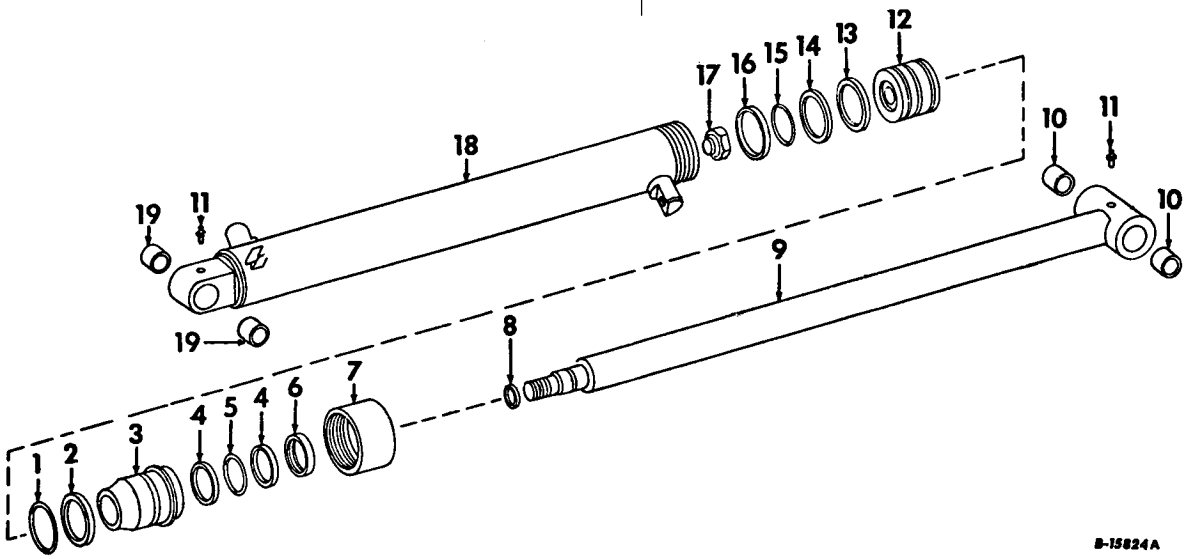
3152 SERIES A BACKHOE -8- SECTION K

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CYLINDERS



REF. NO.	PART NUMBER	DESCRIPTION
	544 903 R91	CYLINDER ASSY, HYDRAULIC -FOR LH STABILIZER- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT A-
	544 904 R91	CYLINDER ASSY, HYDRAULIC -FOR RH STABILIZER- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT B-
	544 905 R91	CYLINDER ASSY, HYDRAULIC -FOR LIFT- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT C-
	544 907 R91	CYLINDER ASSY, HYDRAULIC -FOR BUCKET- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT D-
	59 510 C91	CYLINDER ASSY, HYDRAULIC -FOR BUCKET- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT E-
1	352 216 R1	O-RING, FRT HD STATIC -UNITS A, B, D AND E-
1	347 914 R1	O-RING, FRT HD STATIC -UNIT C-
2	381 088 R1	WASHER, FRT HD STATIC BACK-UP -UNITS A, B, D AND E-
2	399 717 R1	WASHER, FRT HD STATIC BACK-UP -UNIT C-
3	381 080 R1	HEAD, HYD CYL FRT -UNITS A, B, D AND E-
3	545 279 R1	HEAD, HYD CYL FRT -UNIT C-
4	381 083 R2	WASHER, PISTON ROD QUAD RING BACK-UP -2-
5	398 978 R1	RING, PISTON ROD QUAD
6	619 072 C91	WIPER, PISTON ROD

-9- SECTION K
3152 SERIES A BACKHOE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CYLINDERS -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
7	381 089 R1	RING, RETAINING -UNITS A, B, D AND E-
7	533 389 R1	RING, RETAINING -UNIT C-
8		NOT USED IN THIS APPLICATION
9	545 192 R11	ROD ASSY, PISTON -UNITS A AND B-
9	545 277 R11	ROD ASSY, PISTON -UNIT C-
9	545 187 R11	ROD ASSY, PISTON -UNIT D AND E-
10	468 280 R1	BUSHING, ROD END -2- -UNITS A, B, D AND E-
10	468 366 R1	BUSHING, ROD END -2- -UNIT C-
11	109 461	FITTING, 1/8-27 PTF STR LUB -TWO USED PER EACH CYLINDER
12	545 188 R1	PISTON, CYL -UNITS A, B, D AND E-
12	545 278 R1	PISTON, CYL -UNIT C-
13	383 005 R1	RING, PISTON BRG -UNITS A, B, D AND E-
13	399 719 R1	RING, PISTON BRG -2- -UNIT C-
14	545 189 R2	RING, PISTON SEAL OUTER -UNITS A, B, D AND E-
14	548 415 R1	RING, PISTON SEAL -UNIT C-
15	545 190 R1	O-RING, PISTON SEAL INNER -UNITS A, B, D AND E-
15	533 384 R1	O-RING, PISTON SEAL -UNIT C-
16	383 005 R1	RING, PISTON BEARING REAR -UNITS A, B, D AND E-
16	399 719 R1	RING, PISTON BEARING REAR -UNIT C-

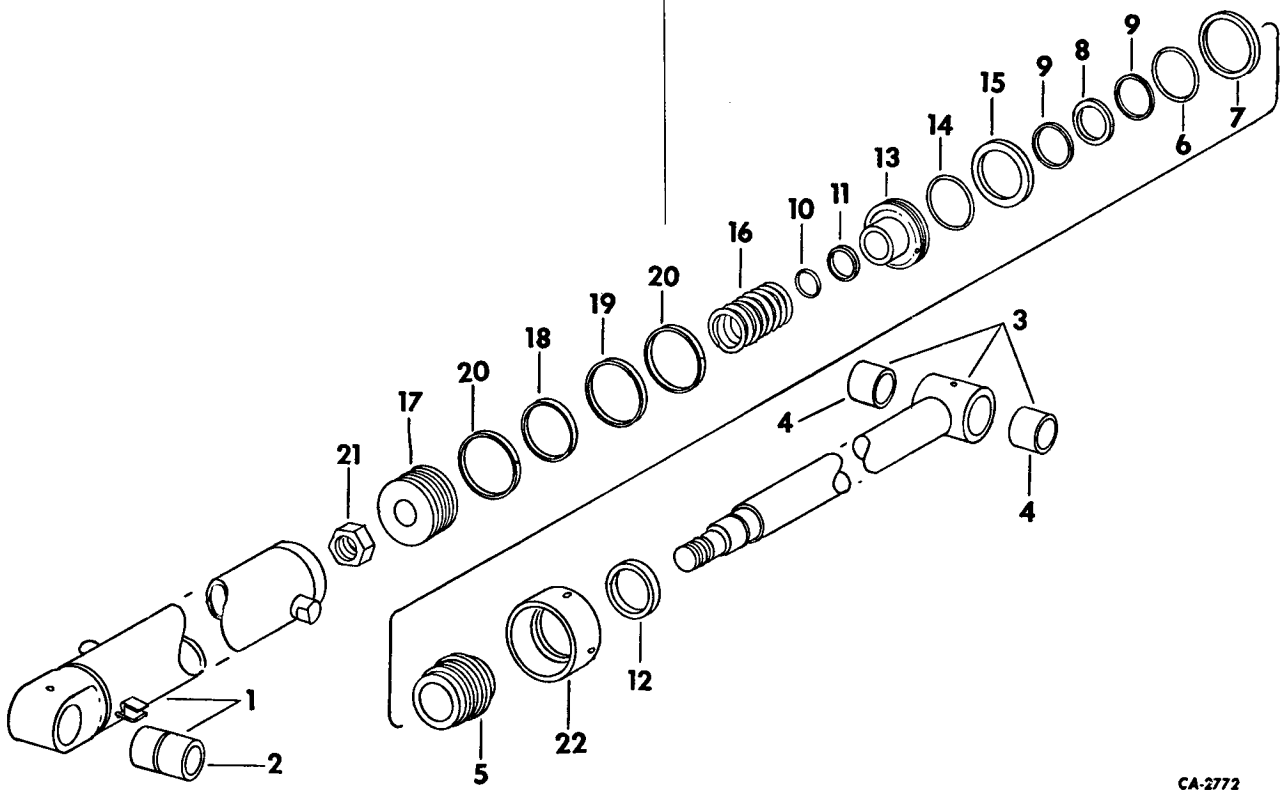
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	HYDRAULIC CYLINDERS -CONTINUED		
17	25 126 R1	NUT, 1-1/8-12 UNF-2A HEX. LOCK -UNITS A, B, D AND E-	
17	25 049 R1	NUT, 1-1/2-12 UNF-2A HEX. LOCK -UNIT C-	
18	545 280 R91	BODY ASSY, HYD CYL -UNIT A-	
18	545 281 R91	BODY ASSY, CYL -UNIT B-	
18	545 275 R91	BODY ASSY, HYD CYL -UNIT C-	
18	544 184 R91	BODY ASSY, HYD CYL -UNIT D-	
18	59 511 C91	BODY ASSY -UNIT E-	
19	468 280 R1	BUSHING, REAR HEAD -2- -UNITS A AND B-	
19	399 711 R1	BUSHING, REAR HEAD -2- -UNIT C-	
19	389 732 R1	BUSHING, REARHEAD -2- -UNIT D AND E-	
	545 299 R2	KIT, HYD CYL SERVICE -UNITS A, B, D AND E- -CONSISTS OF 2 RING 383 005 R1 1 RING 545 189 R2 1 O-RING 545 190 R1 1 O-RING 352 216 R1 1 WASHER 381 088 R1 1 RING 398 978 R1 2 WASHER 381 083 R2 1 WIPER 619 072 C91-	
	545 300 R2	KIT, HYD CYL SERVICE -UNIT C- -CONSISTS OF 2 RING 399 719 R1 1 RING 548 415 R1 1 RING 533 384 R1 1 O-RING 347 914 R1 1 WASHER 399 717 R1 1 RING 398 978 R1 2 WASHER 381 083 R2 1 WIPER 619 072 C91-	

3152 SERIES A BACKHOE -10- SECTION K

REF. NO. PART NUMBER DESCRIPTION BKH-1

REF. NO.	PART NUMBER	DESCRIPTION	8KH-1

HYDRAULIC CYLINDER
DIPPERSTICK



CA-2772

	548 309 R93	CYLINDER ASSY, HYD	
1	548 406 R91	BODY ASSY, HYD	
2	399 711 R1	BUSHING	
3	548 408 R21	ROD ASSY, PISTON	
4	468 366 R1	BUSHING, ROD END -2-	
5	548 409 R3	HEAD, CYL FRT	
6	347 801 R1	O-RING, 3-5/8 X 4 X 3/16 STATIC	
7	381 107 R1	WASHER, BACK-UP	
8	398 978 R1	RING, PISTON ROD QUAD	
9	381 083 R2	WASHER, PISTON ROD QUAD RING BACK-UP -2-	
10	327 085 R1	O-RING, 1-9/16 X 1-3/4 X 3/32 ROD PISTON SEAL	
11	377 220 R1	RING, TEFLON ROD PISTON SEAL	
12	619 072 C91	WIPER, PISTON ROD	
13	548 410 R2	SLEEVE, DECELERATOR	
14	381 109 R1	O-RING, 3-1/2 X 3-11/16 X 3/32 SLEEVE SEAL	

-11- SECTION K
3152 SERIES A BACKHOE

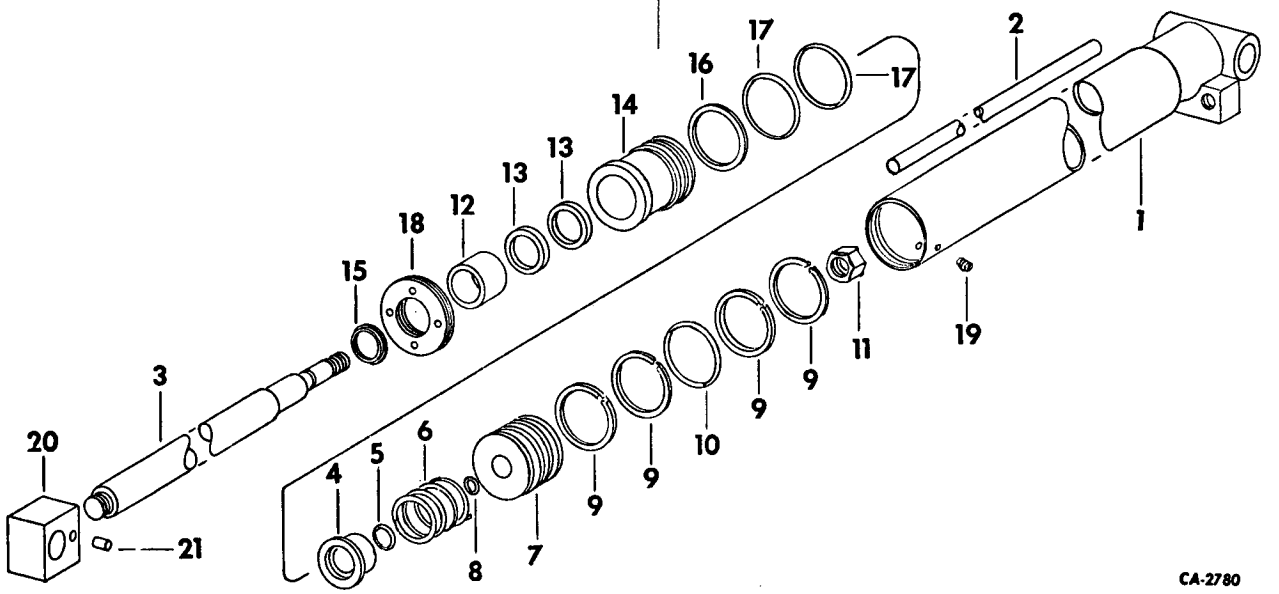
REF. NO.	PART NUMBER	DESCRIPTION	8KH-1

HYDRAULIC CYLINDER -CONTINUED
DIPPERSTICK

15	381 110 R1	RING, RECTANGULAR SLEEVE SEAL	
16	548 411 R1	SPRING, DECELERATOR	
17	548 412 R1	PISTON, HYD CYL	
18	533 375 R1	RING, RECTANGULAR SECTION SEAL PISTON INNER	
19	533 374 R2	RING, SEAL PISTON OUTER	
20	383 006 R1	RING, BRG -2-	
21	25 049 R1	NUT, 1-1/2-12 HEX. LOCK	
22	381 111 R1	RING, RETAINING	
	548 413 R91	KIT, CYL SERVICE -CONSISTS OF	
		1 RING, QUAD 398 978 R1	
		2 WASHER 381 083 R2	
		1 WIPER 619 072 C91	
		2 RING 383 006 R1	
		1 SEAL 533 374 R2	
		1 SEAL 533 375 R1	
		1 O-RING 347 801 R1	
		1 WASHER 381 107 R1	
		1 O-RING 327 085 R1	
		1 RING 377 220 R1	
		1 O-RING 381 109 R1	
		1 RING 381 110 R1-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CYLINDER
-FOR TWO FT EXTENDABLE DIPPERSTICK



	539 407 R91	CYLINDER ASSY
1	539 408 R91	SLEEVE ASSY
2	539 424 R1	TUBE, RETURN
3	539 411 R1	ROD
4	539 412 R1	BUSHING
5	356 005 R1	O-RING, 1-1/8 X 1-3/8 X 1/8
6	539 413 R1	SPRING, RETURN
7	539 414 R1	PISTON, CYLINDER
8	350 667 R1	O-RING, 11/16 X 7/8 X 3/32 R28418
9	539 426 R1	RING -4-
10	381 871 R1	O-RING, 2-5/8 X 3 X 3/16
11	18 584 R1	NUT, 7/8-14 NYLON INSERT
12	539 453 R1	BUSHING
13	539 428 R1	SEAL, ROD -2-
14	539 415 R1	BUSHING, CYLINDER
15	539 416 R1	WIPER
16	539 427 R1	RING, BACK-UP
17	384 250 R1	O-RING, 2-3/4 X 3 X 1/8 -2-
18	539 423 R1	RING, LOCK
19	539 425 R1	SCREW, 1/4-20 X 1/4 NYLON SET
20	539 417 R1	CLEVIS, CYLINDER ROD
21	19 716 R1	PIN, 3/16 X 1-3/16 COILED SPRING

3152 SERIES A BACKHOE -12- SECTION K

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CYLINDER -CONTINUED
-FOR TWO FT EXTENDABLE DIPPERSTICK

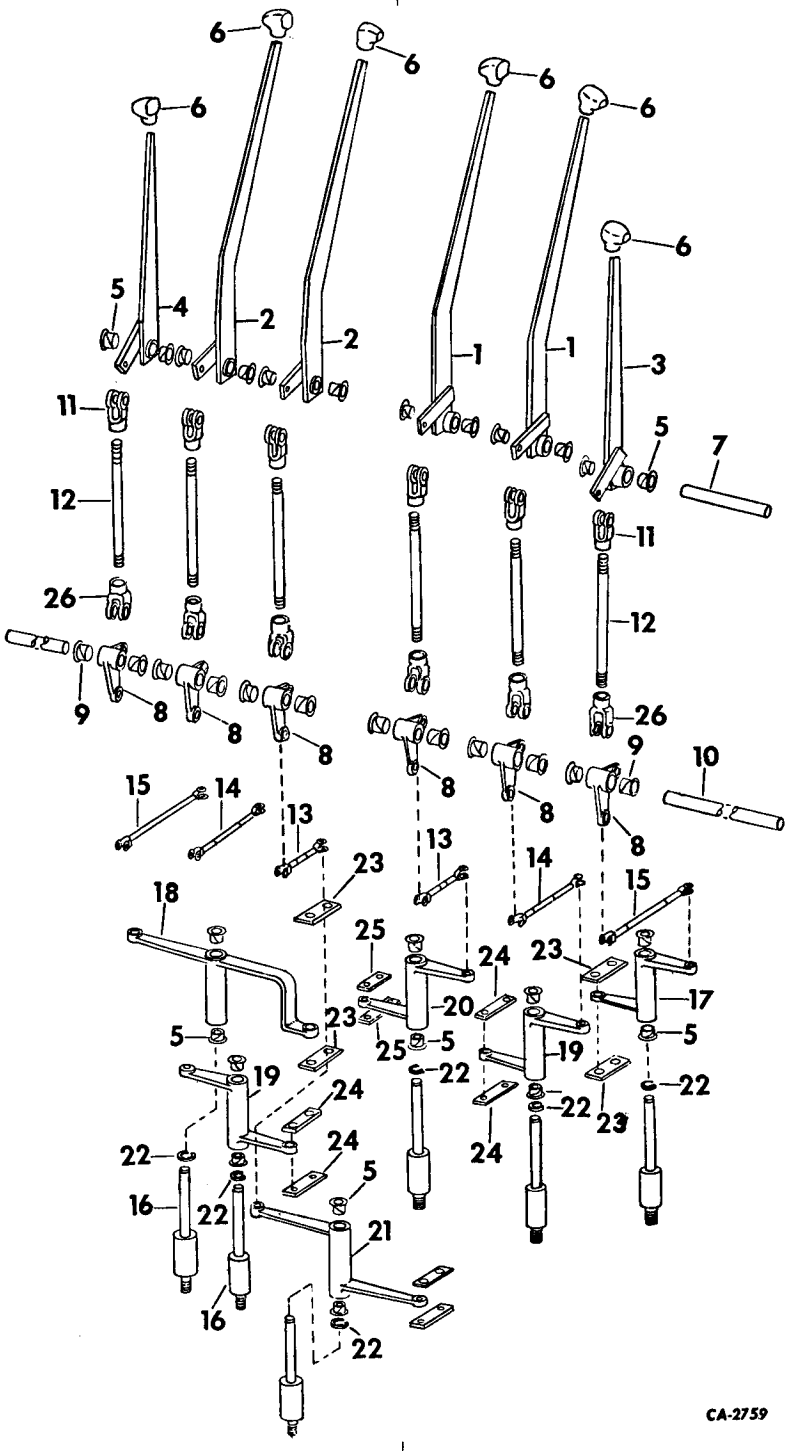
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

CONTROLS
-FOUR LEVER-

3152 SERIES A BACKHOE -13- SECTION K

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

CONTROLS -CONTINUED
-FOUR LEVER-



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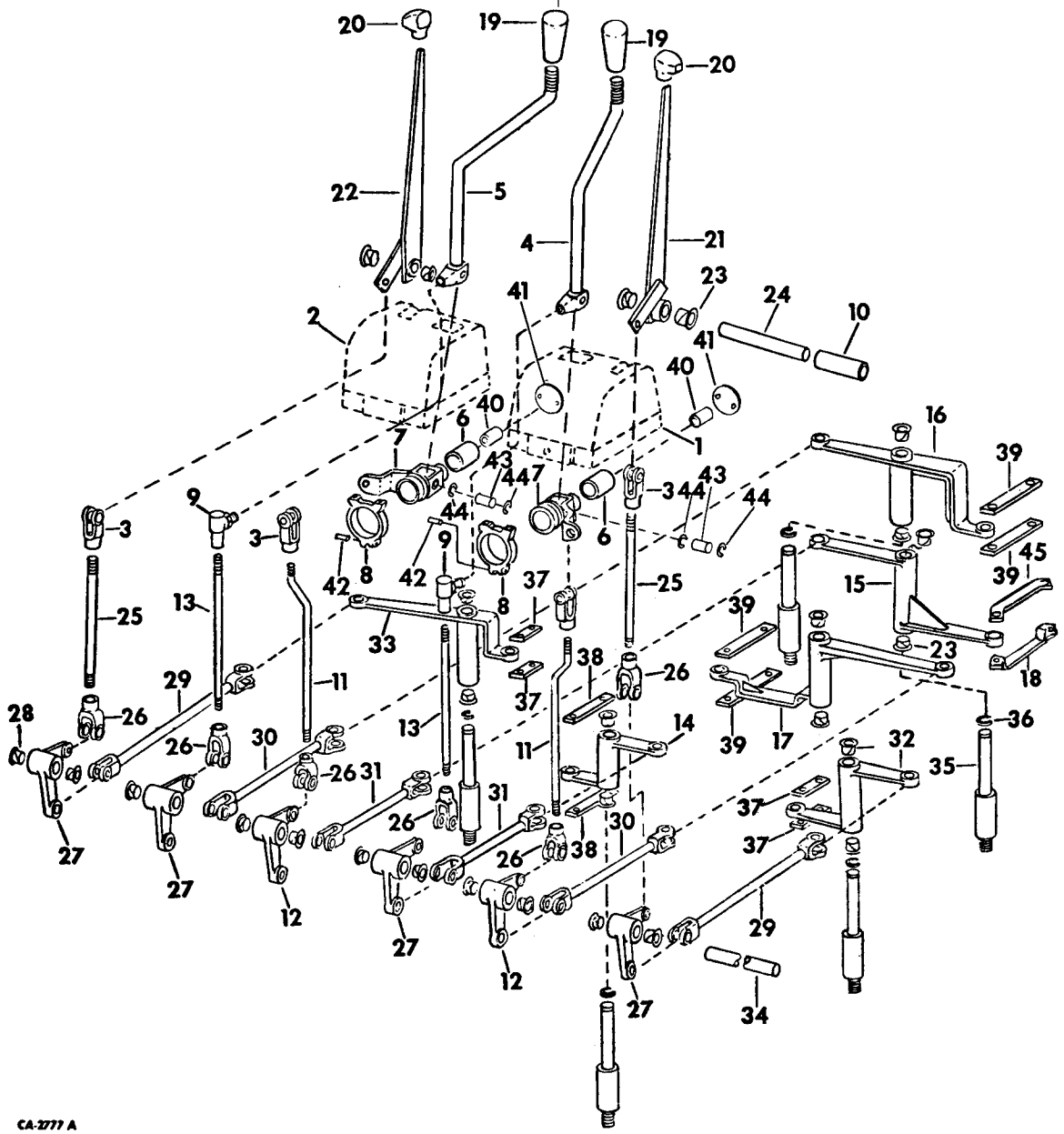
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	CONTROLS -CONTINUED		
	-FOUR LEVER-		
1	544 993 R1	LEVER ASSY, LEFT -2-	
2	544 994 R1	LEVER ASSY, RIGHT -2-	
3	544 997 R1	LEVER ASSY, STABILIZER LEFT	
4	544 998 R1	LEVER ASSY, STABILIZER RIGHT	
5	185 062 R1	BUSHING, NYLINER FOR 3/4 DIA SHAFT -24-	
6	468 708 R1	KNOB -6-	
	180 073	SCREW, 5/16-18 X 1/2 ZND HEX-HD CAP -10-	
	120 214	WASHER, 5/16 ZND MED LOCK -6-	
	120 393	WASHER, .334 X .688 X .051 ZND -4-	
7	546 032 R1	SHAFT, LAMP -2-	
	144 563	PIN, 1/4 X 1-1/8 GROOVE -2-	
8	545 002 R1	TOGGLE -6-	
9	307 920 R1	BUSHING, NYLINER FOR 5/8 DIA SHAFT -12-	
10	545 003 R1	PIN, -2-	
	20 328 R1	PIN, 3/16 X 1-1/2 C-Z COT. -2-	
11	148 382	CLEVIS, 3/8-24 X 2-3/16 C-Z SHORT -6- ADJ ROD END	
12	545 010 R1	ROD, ADJUSTABLE -6-	
	124 925	NUT, 3/8-24 HEX. JAM -6-	
	126 189	NUT, 3/8-24 HEX. LH THD -6-	
	138 084	PIN, 1/8 X 1-1/32 C-Z ROD END -12-	
	121 222	PIN, 3/32 X 3/4 C-Z COT. -12-	
13	545 011 R1	ROD ASSY, SHORT -2-	
14	545 013 R1	ROD ASSY, MEDIUM -2-	
15	545 015 R1	ROD ASSY, LONG -2-	
	103 084	PIN, 3/8 X 1-3/32 C-Z ROD END -6-	
	121 222	PIN, 3/32 X 3/4 C-Z COT. -6-	
16	545 022 R1	PIVOT, LEVER MOUNT -6-	
	366 112 R1	WASHER, 25/32 X 1-1/4 X .105 -6-	
	220 086	NUT, 3/4-10 ZND HEX. -6-	
17	545 023 R1	LEVER, LEFT STABILIZER	
18	545 024 R1	LEVER, RIGHT STABILIZER	
19	545 025 R1	LEVER, SWING AND DIPPER -2-	
20	545 026 R1	LEVER, BOOM	
21	545 027 R1	LEVER, BUCKET	
	366 112 R1	WASHER, 25/32 X 1-1/4 X .105 -6-	
22	23 090 R1	RING, RETAINING -6-	
	138 084	PIN, 3/8 X 1-1/32 C-Z ROD END -6-	
	121 222	PIN, 3/32 X 3/4 C-Z COT. -6-	
23	545 028 R1	LINK, CONTROL SHORT -4-	
24	545 029 R1	LINK, CONTROL MEDIUM -4-	
25	545 030 R1	LINK, CONTROL LONG -4-	
	138 084	PIN, 3/8 X 1-1/32 C-Z ROD END -6-	
	121 222	PIN, 3/32 X 3/4 C-Z COT. -12-	
	103 495	PIN, 5/16 X 31/32 ROD END -6-	
	446 363	WASHER, .375 X .875 ZND -4-	
	180 112	SCREW, 5/16-18 X 2-3/4 ZND HEX-HD CAP -4-	
26	21 364 R1	CLEVIS, 3/8-24 LH THD -6-	

3152 SERIES A BACKHOE -14- SECTION K

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

CONTROLS
-TWO LEVER



REF. NO.	PART NUMBER	DESCRIPTION
1	547 510 R1	COVER, TOP SINGLE LEVER CONTROL RH
2	547 509 R1	COVER, TOP SINGLE LEVER CONTROL LH
3	148 382	CLEVIS, 3/8 SHORT ADJ ROD END -2-
	138 084	PIN, 3/8 ROD END -2-
	121 222	PIN, 3/32 X 3/4 COT. -2-
4	547 511 R2	LEVER ASSY, BELLCRANK LH

-15- SECTION K
3152 SERIES A BACKHOE
BKH-1

CONTROLS -CONTINUED
-TWO LEVER

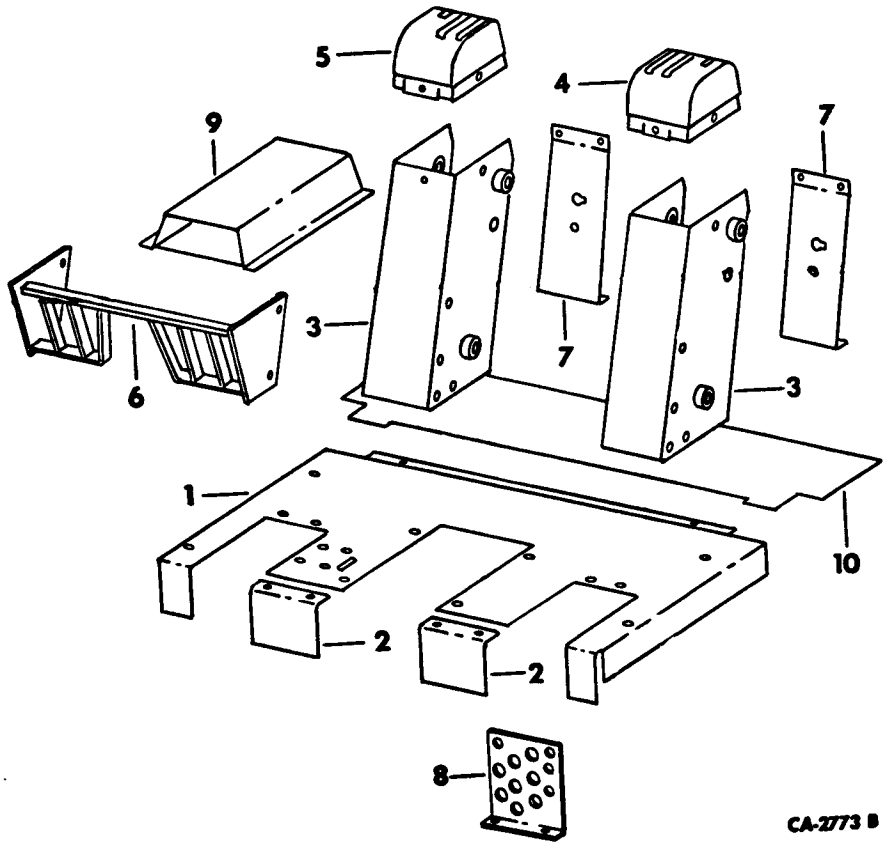
REF. NO.	PART NUMBER	DESCRIPTION
5	547 512 R2	LEVER ASSY, BELLCRANK RH
6	55 174 C1	BUSHING, SINGLE LEVER CONTROL FRT -2-
	443 874	SCREW, 10-24 X 1/2 ZND HEX-HD MACH -4-
7	547 516 R2	BELLCRANK, SINGLE LEVER CONTROL -2-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		CONTROLS -CONTINUED -TWO LEVER	
8	547 517 R2	BUSHING, SINGLE LEVER CONTROL REAR -2-	
	171 026	SCREW, 1/4-20 X 3/4 C-Z HEX-HD SLT TAPPING -4-	
	180 048	SCREW, 1/4-20 X 2-1/2 ZND HEX HD CAP -2-	
	121 637	WASHER, 1/4 -4-	
	120 375	NUT, 1/4-20 ZND HEX. -2-	
9	392 594 R1	JOINT, ROD END -2-	
	180 358	WASHER, 3/8 ZND HEX INT-TOOTH LOCK -2-	
	120 369	NUT, 3/8-24 ZND HEX -2-	
10	650 337 R1	BUSHING, LIFTING LEVER -2-	
11	548 335 R1	ROD, BELLCRANK LEVER -2-	
12	548 336 R1	TOGGLE, TWO LEVER -2-	
13	548 337 R1	ROD, SINGLE LEVER -2-	
14	548 338 R1	LEVER, BOOM	
15	548 339 R1	LEVER, DIPPER	
16	548 340 R1	LEVER, BUCKET	
17	548 341 R1	LEVER, SWING	
18	548 342 R3	LINK, CONTROL LONG	
19	537 784 R1	KNOB -2-	
20	468 708 R1	KNOB -2-	
	180 073	SCREW, 5/16-18 X 1/2 ZND HEX-HD CAP -2-	
	120 214	WASHER, 5/16 ZND MED LOCK -2-	
21	544 997 R1	LEVER ASSY, STABILIZER LEFT	
22	544 998 R1	LEVER ASSY, STABILIZER RIGHT	
23	185 062 R1	BUSHING, NYLINER FOR 3/4 DIA SHAFT -12-	
24	546 032 R1	SHAFT, LAMP -2-	
	144 563	PIN, 1/4 X 1-1/8 GROOVE -2-	
25	545 010 R1	ROD, ADJUSTABLE -2-	
	124 925	NUT, 3/8-24 HEX JAM -2-	
	126 189	NUT, 3/8-24 HEX LH THD -2-	
	138 084	PIN, 1/8 X 1-1/32 C-Z ROD END -4-	
	121 222	PIN, 3/32 X 3/4 C-Z COT -4-	
26	21 364 R1	CLEVIS, 3/8-24 LH THD -6-	
27	547 002 R1	TOGGLE, -4-	
28	307 920 R1	BUSHING, NYLINER FOR 5/8 DIA SHAFT -12-	
29	545 015 R1	ROD ASSY, LONG -2-	
	103 084	PIN, 3/8 X 1-1/32 C-Z ROD END -6-	
30	545 013 R1	ROD ASSY, MEDIUM -2-	
31	545 011 R1	ROD ASSY, SHORT -2-	
32	545 023 R1	LEVER, LEFT STABILIZER	
33	545 024 R1	LEVER, RIGHT STABILIZER	
34	545 003 R1	PIN, -2-	
	20 328 R1	PIN, 3/16 X 1-1/2 C-Z COT. -2-	
35	545 022 R1	PIVOT, LEVER MOUNT -6-	
	366 112 R1	WASHER, 23/32 X 1-1/4 X .105 -6-	
	220 086	NUT, 3/4-10 ZND HEX -6-	
36	23 090 R1	RING, RETAINING -6-	
	138 084	PIN, 3/8 X 1-1/32 C-Z ROD END -6-	
	121 222	PIN, 3/32 X 3/4 C-Z COT -6-	
37	545 028 R1	LINK, CONTROL SHORT -4-	
38	545 030 R1	LINK, CONTROL LONG -2-	
39	545 029 R1	LING, CONTROL MEDIUM -4-	

3152 SERIES A BACKHOE -16- SECTION K

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		CONTROLS -CONTINUED -TWO LEVER	
40	376 908 R1	BUSHING -2-	
41	55 173 C1	RETAINER, BRG -2-	
	138 534	WASHER, NO. 10 INT-TOOTH LOCK -4-	
42	58 686 C1	SPACER, BUSHING -2-	
43	58 687 C1	PIN, HANDLE PIVOT -2-	
44	971 043 R1	RING, RETAINING -4-	
45	56 241 C2	LINK, CONTROL LOWER	
	547 619 R1	PRODUCT GRAPHIC, CONTROL DECAL	
	547 620 R1	PRODUCT GRAPHIC, CONTROL DECAL	
	538 233 R1	PRODUCT GRAPHIC, CONTROL DECAL	
	538 234 R1	PRODUCT GRAPHIC, CONTROL DECAL	

GRILLE, FLOOR PLATES, TOWER AND COVERS



CA-2773 B

REF. NO.	PART NUMBER	DESCRIPTION
1	103 559 C1	PLATE, FLOOR
	120 634	NUT, 5/16-18 -8-
2	547 581 R1	SKIRT -2-
	180 073	SCREW, 5/16-18 X 1/2 ZND HEX-HD CAP -4-
	120 214	WASHER, 5/16 ZND MED LOCK -4-

-17- SECTION K
3152 SERIES A BACKHOE
BKH-1

GRILLE, FLOOR PLATES, TOWER AND COVERS -CONTINUED

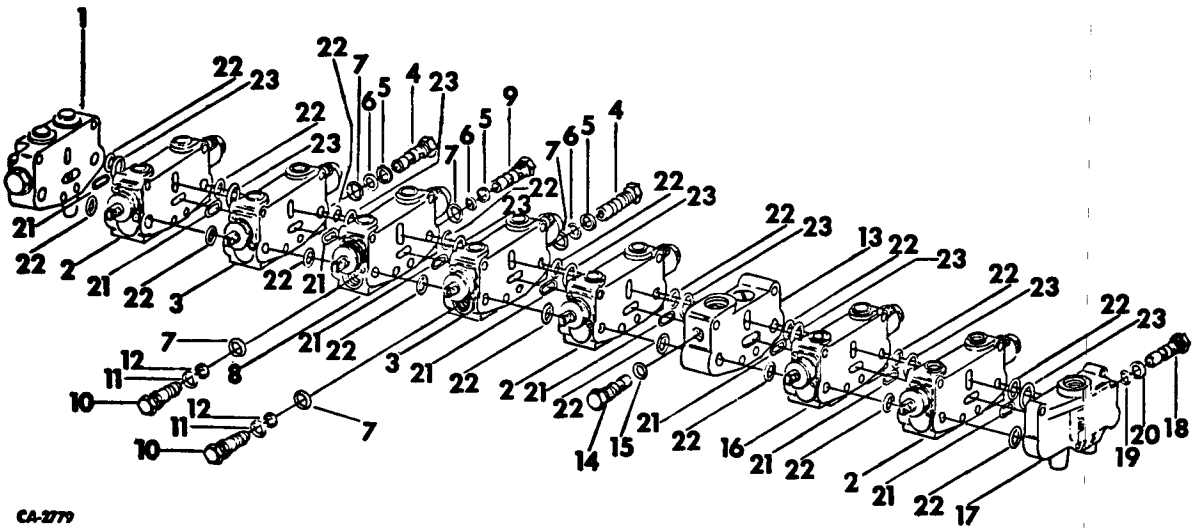
REF. NO.	PART NUMBER	DESCRIPTION
3	544 989 R1	TOWER ASSY -2-
	180 124	SCREW, 3/8-16 X 1-1/4 ZND HEX-HD CAP -4-
	120 382	WASHER, 3/8 ZND MED LOCK -4-
	120 377	NUT, 3/8-16 ZND HEX. -4-
4	545 000 R1	COVER, CONTROL LH
5	545 001 R1	COVER, CONTROL RH

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		GRILLE, FLOOR PLATES, TOWER AND COVERS -CONTINUED	
6	545 004 R1	GRILLE ASSY	
	180 077	SCREW, 5/16-18 X 3/4 ZND HEX-HD CAP -4-	
	120 214	WASHER, 5/16 ZND MED LOCK -4-	
	120 376	NUT, 5/16-18 ZND HEX. -4-	
7	545 017 R1	SHROUD, RH	
7	56 881 C1	SHROUD, LH	
	180 073	SCREW, 5/16-18 X 1/2 ZND HEX-HD CAP -8-	
	120 214	WASHER, 5/16 ZND MED LOCK -8-	
8	545 018 R1	BULKHEAD, FLOOR -FOR USE W/BOOMS HAVING I. D. NO. 3152U1111-	
8	59 711 C1	BULKHEAD, FLOOR -FOR USE W/BOOMS HAVING I. D. NO. 3152U1112-	
	180 077	SCREW, 5/16-18 X 3/4 ZND HEX-HD CAP -2-	
	120 214	WASHER, 5/16 ZND MED LOCK -2-	
9	545 019 R1	COVER ASSY	
	180 075	SCREW, 5/16-18 X 5/8 ZND HEX-HD CAP -4-	
	120 214	WASHER, 5/16 ZND MED LOCK -4-	
10	57 807 C2	TRAP, COVER	
	180 075	SCREW, 5/16-18 X 5/8 ZND HEX-HD CAP -2-	
	120 393	WASHER, .344 X .688 X .051 -2-	

3152 SERIES A BACKHOE -18- SECTION K

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONTROL VALVES
-FOUR LEVER CONTROL AND 2 FT.
EXTENDABLE DIPPERSTICK-



REF. NO.	PART NUMBER	DESCRIPTION
1	537 850 R93	END PLATE, LH -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF END PLATE ASSY LISTING-
	537 852 R1	TIE BOLT -4- -FOR USE WITH 4 LEVER CONTROL-
	538 549 R1	TIE BOLT -4- -FOR USE WITH 2FT EXTENDABLE DIPPERSTICK-
	103 321	WASHER, 3/8 REG LOCK -4-
2	535 644 R93	VALVE SECTION-STABILIZER -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF SECTION VALVE LISTING-
2	535 644 R93	VALVE, SECTION -DIGMOR- -FOR USE W/2 FT. EXT. DIPPERSTICK- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF SECTION VALVE LISTING-
3	537 853 R93	VALVE, SECTION -BUCKET- -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF SECTION VALVE LISTING-
4	539 532 R91	RELIEF VALVE ASSY -2- -INCLUDES REF NOS. 5, 6 AND 7-
5	535 576 R2	WASHER, BACK-UP -4-
6	352 221 R1	O-RING, 9/16 X 3/4 X 3/32 -4-
7	369 908 R1	O-RING, 13/16 X 1 X 3/32 -5-
8	537 868 R93	VALVE SECTION -BOOM AND DIPPERSTICK -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF SECTION VALVE LISTING-

HYDRAULIC CONTROL VALVES -CONTINUED
-FOUR LEVER CONTROL AND 2 FT.
EXTENDABLE DIPPERSTICK-

REF. NO.	PART NUMBER	DESCRIPTION
9	537 869 R91	VALVE ASSY, RELIEF -2- -INCLUDES REF NOS. 5, 6 AND 7-
10	537 856 R91	RELIEF VALVE ASSY -2- -INCLUDES REF NOS. 7, 11 AND 12-
11	539 534 R1	WASHER, BACK-UP -2-
12	379 181 R1	O-RING, 3/4 X 5/8 X 1/16 -2-
13	537 857 R92	ADAPTOR ASSY, RH -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF RH ADAPTER ASSY LISTING-
14	537 910 R91	VALVE ASSY, RELIEF -INCLUDES REF NO. 15-
15	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32 -2-
16	537 858 R92	VALVE SECTION-SWING -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF SECTION VALVE LISTING-
17	537 860 R1	PORT PLATE, RH
18	537 859 R91	VALVE ASSY, RELIEF -WILL WORK FOR 537 911 R91- -INCLUDES REF NO. 15-
19	362 796 R1	O-RING, 15/16 X 1-1/8 X 3/32
20	539 533 R1	WASHER, BACK-UP
21	536 663 R2	SEAL RING, SPECIAL -8 USED FOR 4 LEVER CONTROL, 9 USED FOR 2 FT. EXTENDABLE DIPPERSTICK-
22	370 943 R1	O-RING, 1-1/8 X 1-1/4 X 1/16 -16 USED FOR 4 LEVER CONTROL, 18 USED FOR 2 FT. EXTENDABLE DIPPERSTICK-

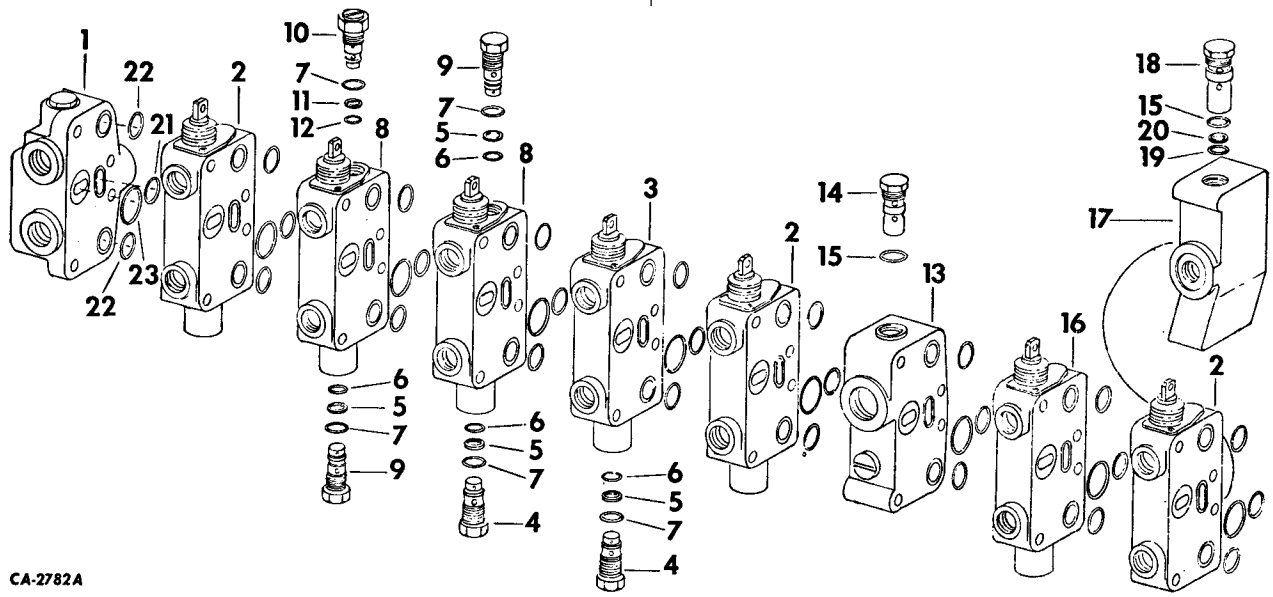
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONTROL VALVES -CONTINUED -FOUR LEVER CONTROL AND 2 FT. EXTENDABLE DIPPERSTICK-	
23	24 472 R1	O-RING, 1-3/8 X 1-1/2 X 3/32 -8 USED FOR 4 LEVER CONTROL, 9 USED FOR 2 FT. EXTENDABLE DIPPERSTICK-	
	537 861 R91	KIT, SEAL REPAIR -FOR PORT PLATE 537 860 R1- -CONSISTS OF REF NOS. 15, 19 AND 20-	
	538 596 R94	KIT, BETWEEN SECTION AND SPOOL SEAL REPAIR -CONSISTS OF	
		9 SEAL 536 663 R2	
		9 O-RING 24 472 R1	
		18 O-RING 370 943 R1-	

3152 SERIES A BACKHOE -20- SECTION K

REF. NO. PART NUMBER DESCRIPTION BKH-1

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONTROL VALVE
TWO LEVER CONTROLS



CA-2782A

1	537 850 R93	END PLATE, LH -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF END PLATE ASSY LISTING-	
	538 549 R1	TIE BOLT -4-	
	103 321	WASHER, 3/8 REG LOCK -4-	
2	535 644 R93	VALVE SECTION-STABILIZER AND DIGMOR- -2 -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF SECTION VALVE LISTING-	
3	537 853 R93	VALVE SECTION - BUCKET & DIPPERSTICK -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF SECTION VALVE LISTING-	
4	539 532 R91	RELIEF VALVE ASSY -2- -INCLUDES REF NOS. 5, 6 AND 7-	
5	535 576 R2	WASHER, BACK-UP -4-	
6	352 221 R1	O-RING, 9/16 X 3/4 X 3/32 -4-	
7	369 908 R1	O-RING, 13/16 X 1 X 3/32 -5-	
8	537 868 R93	VALVE SECTION -BOOM- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF SECTION VALVE LISTING-	
9	537 869 R91	RELIEF VALVE ASSY -2- -INCLUDES REF NOS. 5, 6 AND 7-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONTROL VALVE -CONTINUED
TWO LEVER CONTROLS

10	537 856 R91	RELIEF VALVE ASSY -INCLUDES REF NOS. 7, 11 AND 12-	
11	539 534 R1	WASHER, BACK-UP	
12	379 181 R1	O-RING, 3/4 X 5/8 X 1/16	
13	537 857 R92	ADAPTOR ASSY, RH -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF RH ADAPTER ASSY LISTING-	
14	537 910 R91	RELIEF VALVE ASSY -FOR ADAPTER ASSY- -INCLUDES REF NO. 15-	
15	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32 -2-	
16	537 858 R92	VALVE SECTION-SWING -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF SECTION VALVE LISTING-	
17	537 860 R1	PORT PLATE, RH -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF PORT PLATE ASSY LISTING-	
18	537 859 R91	RELIEF VALVE ASSY -INCLUDES REF NO. 15- -WILL WORK FOR 537 911 R91-	
19	362 796 R1	O-RING, 15/16 X 1-1/8 X 3/32	
20	539 533 R1	WASHER, BACK-UP	
21	536 663 R2	SEAL RING, SPECIAL -9-	
22	370 943 R1	O-RING, 1-1/8 X 1-1/4 X 1/16 -18-	
23	24 472 R1	O-RING, 1-3/8 X 1-1/2 X -9-	

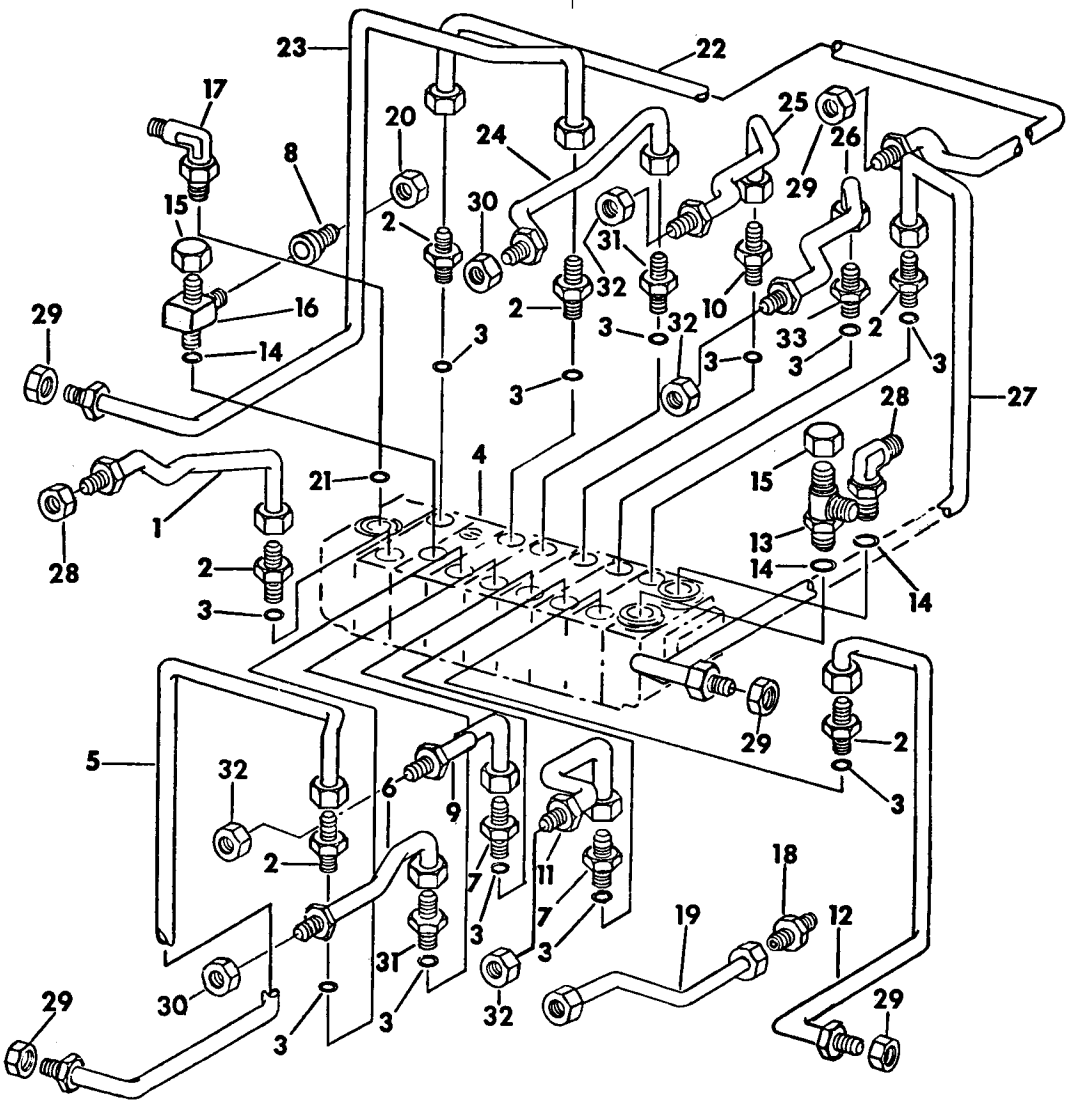
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONTROL VALVE -CONTINUED	
		TWO LEVER CONTROLS	
	537 861 R91	KIT, SEAL REPAIR -FOR PORT PLATE 537 860 R1- -CONSISTS OF REF NOS. 15, 19 AND 20-	
	538 596 R94	KIT, BETWEEN SECTION AND SPOOL SEAL REPAIR -CONSISTS OF	
		9 SEAL 536 663 R2	
		9 O-RING 24 472 R1	
		18 O-RING 370 943 R1-	

3152 SERIES A BACKHOE -22- SECTION K

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC TUBING & CONNECTIONS FOR CONTROL VALVES



-23- SECTION K
3152 SERIES A BACKHOE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC TUBING & CONNECTIONS FOR CONTROL VALVES -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC TUBING & CONNECTIONS FOR CONTROL VALVES -CONTINUED	
1	545 794 R1	TUBE, SWING TO BULKHEAD	
2	481 352 R1	UNION, 7/8-14 TO 3/4-16 C-Z HYD FLARED SHORT SWIVEL REDUCER -6-	
3	364 885 R1	O-RING, 5/8 OD TUBE -12-	
4		VALVES, CONTROL -REFER TO FOUR LEVER CONTROL VALVE LISTING-	
5	546 000 R1	TUBE, VALVE TO RH STABILIZER CYLINDER HEAD END	
6	545 800 R1	TUBE, BUCKET CYLINDER TO BULKHEAD -NOTE A-	
6	59 712 C1	TUBE, BUCKET CYL TO BULKHEAD -NOTE B-	
7	9 410 204	UNION, 7/8-14 37 DEG C-Z HYD FLARED TUBE -2-	
8	483 594 R1	ADAPTER, TUBE END REDUCING	
9	545 796 R1	TUBE, BOOM TO BULKHEAD -FOUR LEVER CONTROLS -	
9	548 344 R1	TUBE ASSY, DIPPERSTICK TO BULKHEAD -TWO LEVER CONTROLS-	
10	406 794 R1	UNION ASSY, ORIFICE	
11	545 798 R1	TUBE, DIPPERSTICK TO BULKHEAD -FOUR LEVER CONTROLS -	
11	548 346 R1	TUBE ASSY, BOOM TO BULKHEAD -TWO LEVER CONTROLS-	
12	545 997 R1	TUBE, VALVE TO LH STABILIZER CYLINDER HEAD END	
13	9 411 135	TEE, 1-5/16-12 ADJUSTABLE	
13	544 920 R1	TEE, REDUCING -TRACTORS W/FORWARD AND REVERSE-	
14	296 247 R1	O-RING, 1 OD TUBE -3-	
15	9 403 376	CAP, 1-5/16-12 C-Z 37 DEG HYD FLARED TUBE -2-	
16	9 411 135	TEE, 1-5/16-12 ADJUSTABLE	
17	633 460 R91	ELBOW, 1-1/16-12 TO 7/8-14 37 DEG HYD FLARED TUBE 90 DEG REDUCING	
18	56 287 C1	TUBE ASSY, DRAIN AT VALVE -TRACTORS W/FORWARD AND REVERSE ATTACHMENT-	
19	9 402 708	CONNECTOR, 1/4-18 PIPE TO 9/16-18 37 DEG HYD FLARED TUBE -TRACTORS W/FORWARD AND REVERSE ATTACHMENT-	
20	9 403 532	NUT, 1-5/16-12 HYD 37 DEG FLARED TUBE	
21	368 269 R1	O-RING, 3/4 OD TUBE	
22	545 795 R1	TUBE, SWING TO BULKHEAD	
23	545 999 R1	TUBE, VALVE TO RH STABILIZER CYLINDER ROD END	
24	545 801 R1	TUBE, BUCKET CYLINDER TO BULKHEAD -NOTE A-	
24	59 713 C1	TUBE, BUCKET CYL TO BULKHEAD -NOTE B-	
25	545 797 R1	TUBE, BOOM TO BULKHEAD -FOUR LEVER CONTROLS -	
25	548 345 R1	TUBE ASSY, DIPPERSTICK TO BULKHEAD -TWO LEVER CONTROLS-	
26	545 799 R1	TUBE, DIPPERSTICK TO BULKHEAD	

-24- SECTION K
3152 SERIES A BACKHOE

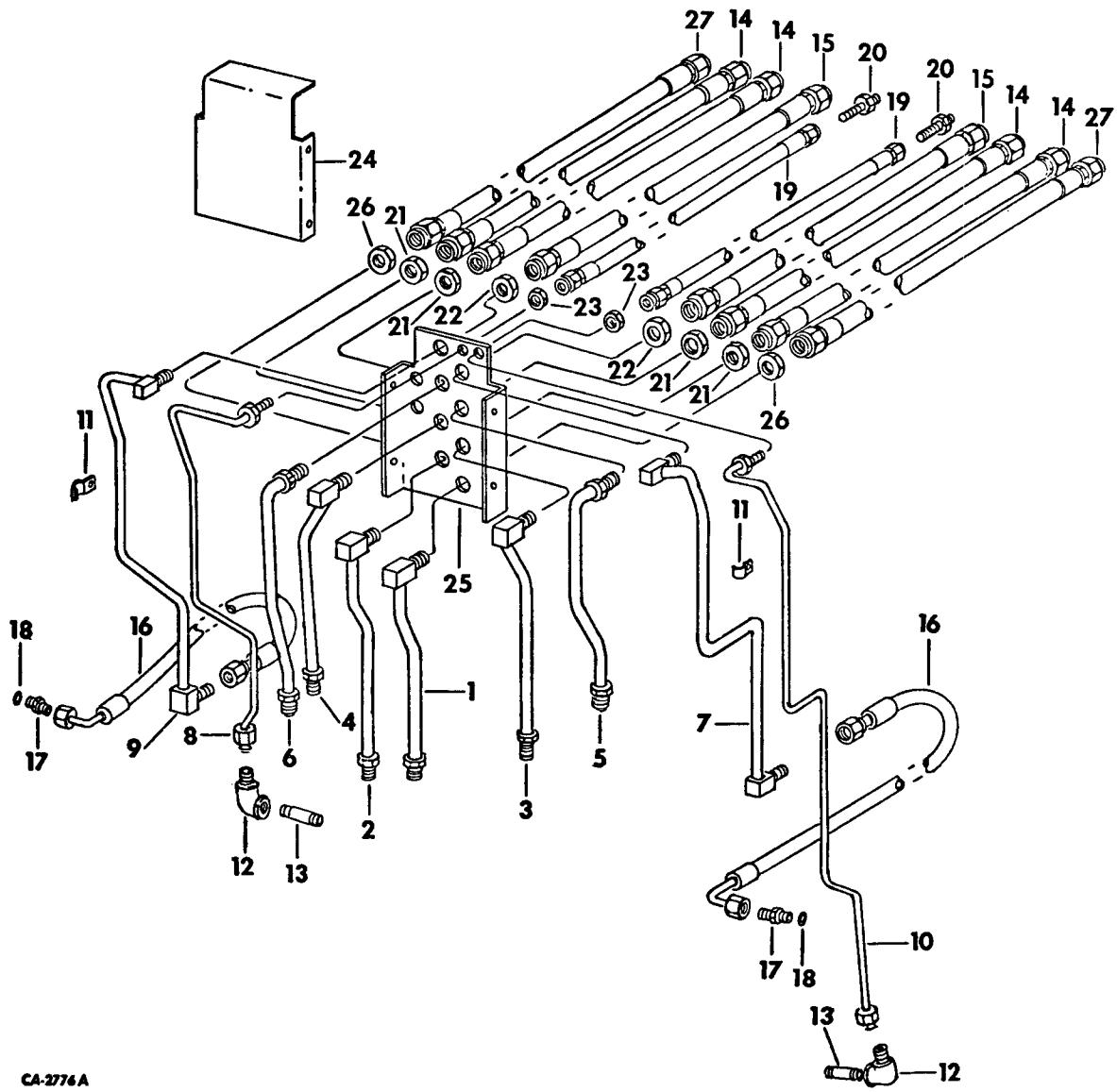
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC TUBING & CONNECTIONS FOR CONTROL VALVES -CONTINUED	
27	545 998 R1	TUBE, VALVE TO LH STABILIZER CYLINDER -FOUR LEVER CONTROLS -	
27	548 347 R1	TUBE ASSY, BOOM TO BULKHEAD -TWO LEVER CONTROLS-	
28	9 410 981	ELBOW, 1-5/16-12 C-Z 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG	
29	9 403 294	NUT, 3/4-16 C-Z BULKHEAD LOCK -6-	
	138 561	WASHER, 3/4 C-Z INT-TOOTH LOCK -6-	
30	9 403 295	NUT, 7/8-14 C-Z BULKHEAD LOCK -NOTE A-	
	138 566	WASHER, 7/8 C-Z INT-TOOTH LOCK	
30	9 403 296	NUT, 1-1/16-12 C-Z BULKHEAD LOCK -NOTE B-	
	138 577	WASHER, 1-1/8 C-Z INT-TOOTH LOCK	
31	9 410 204	UNION, 7/8-14 37 DEG C-Z HYD FLARED TUBE -NOTE A-	
31	574 479 R1	UNION, 1-1/16-12 37 DEG C-Z HYD FLARED TUBE TO 7/8-14 STR THD O-RING BOSS REDUCER -NOTE B-	
32	9 403 295	NUT, 7/8-14 C-Z BULKHEAD LOCK -4-	
	138 566	WASHER, 7/8 C-Z INT-TOOTH LOCK -4-	
33	9 410 204	UNION, 7/8-14 37 DEG HYD FLARED TUBE -FOUR LEVER CONTROLS-	

-NOTE A-
-FOR USE W/BOOMS HAVING I. D. NO. 3152U1111-

-NOTE B-
-FOR USE W/BOOMS HAVING I. D. NO. 3152U1112-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS -BULKHEAD TO BOOM, BUCKET AND DIPPERSTICK-



1	545 378 R1	TUBE, BULKHEAD TO BUCKET CYLINDER HEAD END -NOTE A-	
1	59 714 C1	TUBE, BULKHEAD TO BUCKET CYLINDER HEAD END -NOTE B-	
2	545 377 R1	TUBE, BULKHEAD TO BUCKET CYLINDER ROD END -NOTE A-	
2	59 715 C1	TUBE, BULKHEAD TO BUCKET CYLINDER ROD END -NOTE B-	

3152 SERIES A BACKHOE -25- SECTION K

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS -BULKHEAD TO BOOM, BUCKET AND DIPPERSTICK- -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -BULKHEAD TO BOOM, BUCKET AND DIPPERSTICK- -CONTINUED	
3	545 375 R1	TUBE, BULKHEAD TO DIPPERSTICK CYLINDER HEAD END	
4	545 374 R1	TUBE, BULKHEAD TO DIPPERSTICK CYLINDER ROD END	
5	545 373 R1	TUBE, BULKHEAD TO BOOM CYLINDER ROD END	
6	545 372 R1	TUBE, BULKHEAD TO BOOM CYLINDER HEAD END	
7	545 382 R1	TUBE, BULKHEAD TO SWING CYLINDER LH	
8	545 392 R1	TUBE, DRAIN ON SWING BRACKET	
9	545 808 R1	TUBE, BULKHEAD TO SWING CYLINDER RH	
10	545 974 R1	TUBE, DRAIN FOR SWING BEARING	
11	492 620 R1	CLAMP, TUBE -2-	
	180 073	SCREW, 5/16-18 X 1/2 ZND HEX-HD -2-	
	120 214	WASHER, 5/16 ZND MED LOCK -2-	
12	9 402 903	ELBOW, 1/4-18 INT PIPE 9/16-18 STR 90 DEG	
13	192 054	NIPPLE, 1/4 X 2-1/2 C-Z PIPE	
14	545 370 R1	HOSE, BULKHEAD TO SWING -4-	
15	545 371 R2	HOSE, CROSSING PIVOT POINT -2-	
16	545 391 R1	HOSE, SWING CYLINDER -2-	
17	9 410 202	UNION, 9/16-18 37 DEG C-Z HYD FLARED -2-	
18	364 839 R1	O-RING, 3/8 OD TUBE -2-	
19	545 309 R1	HOSE, SWING DRAIN -2-	
	138 553	WASHER, 9/16 C-Z INT-TOOTH LOCK -2-	
	9 403 293	NUT, 9/16-18 BULKHEAD UNION LOCK -2-	
20	9 403 254	UNION, 9/16-18 37 DEG HYD FLARED TUBE BULKHEAD -2-	
21	9 403 295	NUT, 7/8-14 C-Z BULKHEAD UNION LOCK -4-	
	138 566	WASHER, 7/8 C-Z INT-TOOTH LOCK -4-	
22	9 403 294	NUT, 3/4-16 C-Z BULKHEAD UNION LOCK -2-	
	138 561	WASHER, 3/4 C-Z INT-TOOTH LOCK -2-	
23	9 403 293	NUT, 9/16-18 BULKHEAD UNION LOCK -2-	
	138 553	WASHER, 9/16 C-Z INT-TOOTH LOCK -2-	
24	544 827 R1	SHROUD, MANIFOLD	
	120 380	WASHER, 1/4 ZND MED LOCK -4-	
	20 786 R1	BOLT, 1/4 X 3/8 ZND HEX-HD MACH -4-	
25	544 824 R1	MANIFOLD ASSY -NOTE A-	
	180 173	SCREW, 1/2 X 1 ZND HEX-HD CAP -4-	
	120 384	WASHER, 1/2 ZND MED LOCK -4-	
25	59 707 C1	MANIFOLD ASSY -NOTE B-	
	180 173	SCREW, 1/2 X 1 ZND HEX-HD CAP -4-	
	120 384	WASHER, 1/2 ZND MED LOCK -4-	
26	9 403 295	NUT, 7/8-14 C-Z BULKHEAD LOCK -2- -NOTE A-	
	138 566	WASHER, 7/8 C-Z INT-TOOTH LOCK -2-	
26	9 403 296	NUT, 1-1/16-12 C-Z BULKHEAD LOCK -2- -NOTE B-	
	138 577	WASHER, 1-1/8 C-Z INT-TOOTH LOCK -2-	

-26- SECTION K
3152 SERIES A BACKHOE

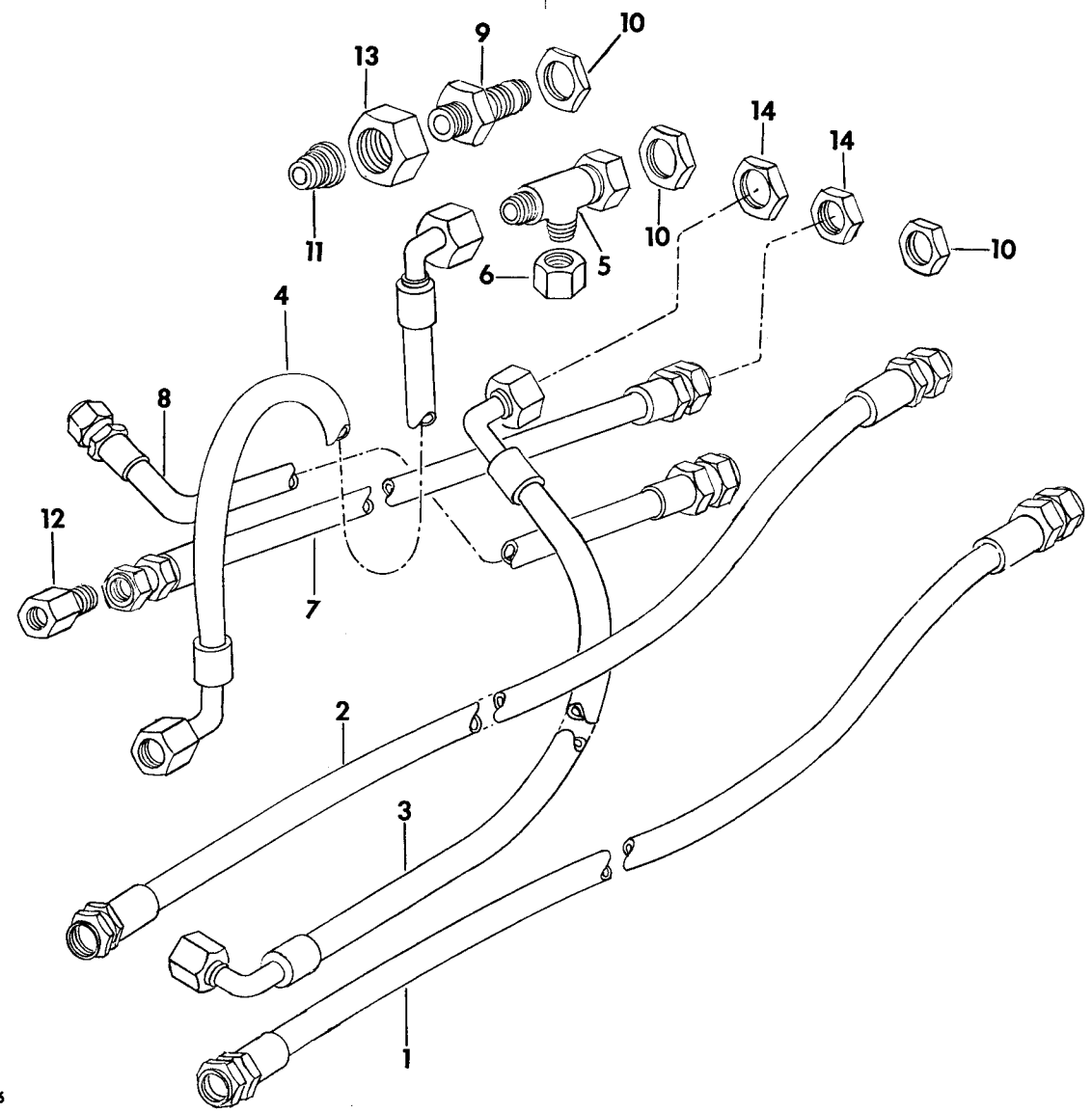
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -BULKHEAD TO BOOM, BUCKET AND DIPPERSTICK- -CONTINUED	
27	545 370 R1	HOSE, BULKHEAD TO BUCKET -NOTE A-	
27	59 716 C1	HOSE, BULKHEAD TO BUCKET -NOTE B-	

-NOTE A-
-FOR USE W/BOOMS HAVING I. D. NO. 3152U1111-

-NOTE B-
-FOR USE W/BOOMS HAVING I. D. NO. 3152U1112-

BKH-1

POWER SUPPLY FROM THE TRACTOR



CA-2756

REF. NO.	PART NUMBER	DESCRIPTION
1	545 644 R1	HOSE, SWING BEARING RETURN
2	545 645 R1	HOSE, SWING BEARING
3	545 646 R1	HOSE, RETURN
4	545 647 R1	HOSE, POWER BEYOND
5	9 410 337	TEE, 1-5/16-12 37 HYD FLARED TUBE 90 DEG SWIVEL
6	9 403 376	CAP, 1-5/16-12 37 DEG HYD FLARED TUBE
7	545 379 R1	HOSE ASSY
8	545 648 R1	HOSE, FLOW DIVIDER
9	24 094 R1	UNION, 1-5/16 37 DEG BULKHEAD
10	9 403 298	NUT, 1-5/16-12 BULKHEAD UNION LOCK -3-
11	9 403 406	REDUCER, 1-1/16-12 37 DEG HYD FLARED TUBE
12	483 594 R1	ADAPTER, TUBE END REDUCER
13	9 403 532	NUT, 1-5/16-12 37 DEG HYD FLARED TUBE -2-
14	9 403 295	NUT, 7/8-14 BULKHEAD UNION LOCK

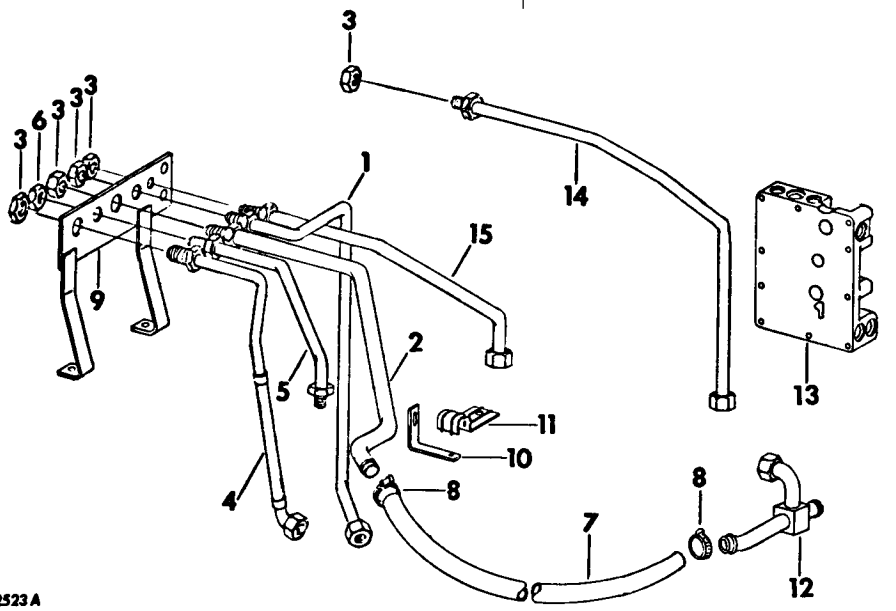
3152 SERIES A BACKHOE -27- SECTION K

BKH-1

POWER SUPPLY FROM THE TRACTOR -CONTINUED

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

POWER SUPPLY TO THE BACKHOE



CA-2523A

REF. NO.	PART NUMBER	DESCRIPTION
1	545 649 R2	TUBE ASSY, SWING PRESSURE
	9 403 295	NUT, 7/8-14 BULKHEAD UNION LOCK
2	545 651 R1	TUBE ASSY, RETURN
3	9 403 298	NUT, 1-5/16-12 BULKHEAD UNION LOCK -2-
4	545 652 R1	TUBE ASSY, POWER BEYOND
5	545 653 R1	TUBE, 17 GAL PRESSURE
6	9 403 296	NUT, 1-1/16-12 BULKHEAD UNION LOCK
7	545 655 R2	HOSE ASSY, RETURN -FOR USE W/TEE, 545 656 R4-
7	103 061 C1	HOSE ASSY, RETURN -FOR USE W/TEE, 1G3 059 C1-
8	311 164 C91	CLAMP, HOSE SIZE 20 -2-
9	545 660 R1	BRACKET ASSY, BULKHEAD
	180 120	SCREW, 3/8-16 X 3/4 ZND HEX-HD CAP -2-
	120 382	WASHER, 3/8 ZND MED LOCK -2-
10	545 662 R1	BRACKET, RETURN TUBE
11	103 060 C1	CLAMP, OPEN -REPLACES 26 156 R1-
	180 020	SCREW, 1/4-20 X 3/4 ZND HEX-HD CAP
	120 380	WASHER, 1/4 ZND MED LOCK
	120 375	NUT, 1/4-20 ZND HEX.
12	103 059 C1	TEE, RETURN TUBE -WILL WORK FOR 545 656 R4 WHEN USED W/HOSE, 103 061 C1 AND CLAMP, 103 060 C1-
13		VALVE ASSY, MULTIPLE CONTROL

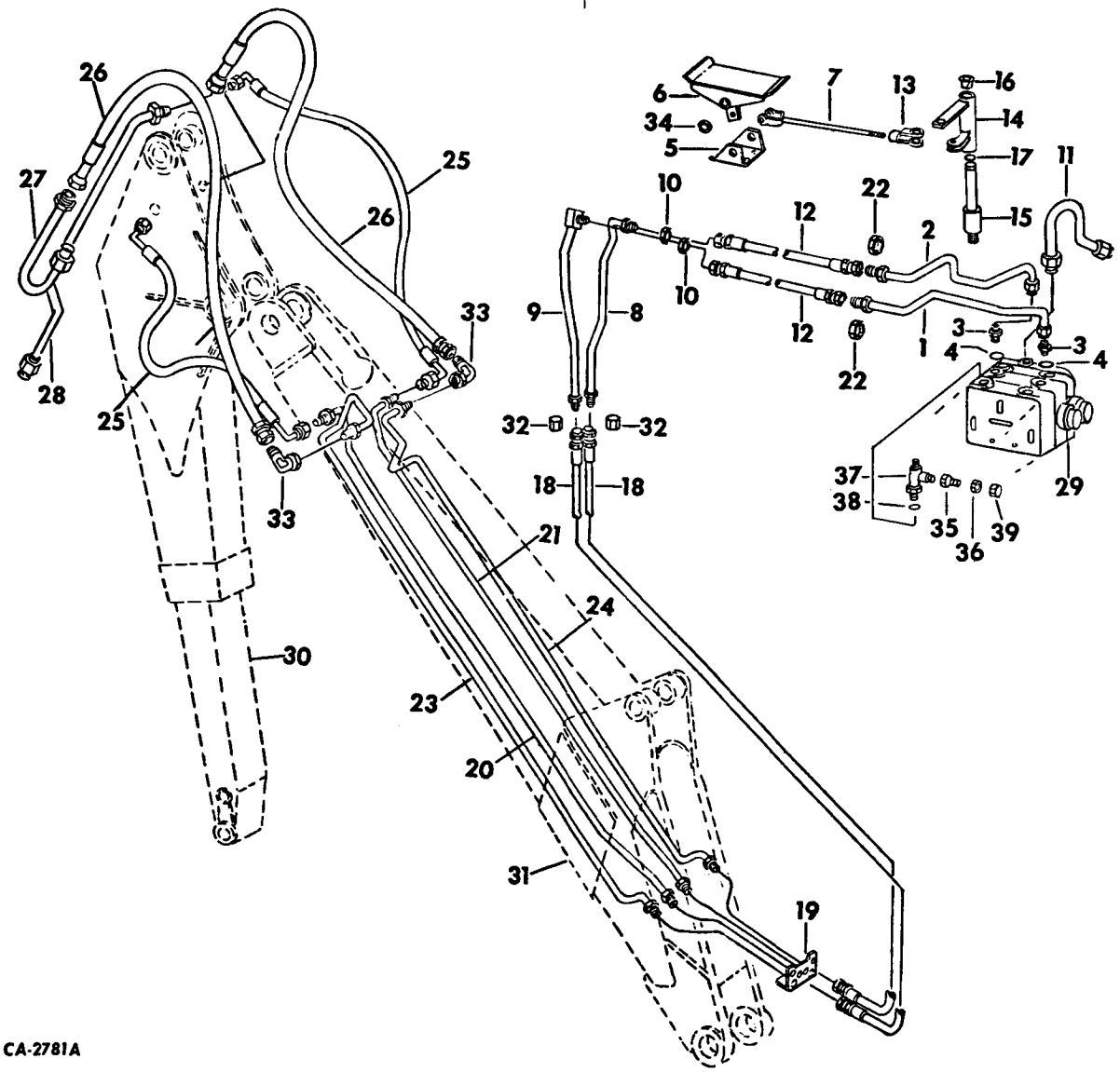
REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

POWER SUPPLY TO THE BACKHOE -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
14	545 663 R1	TUBE ASSY, PRESSURE LUB
	9 403 293	NUT, 9/16-18 BULKHEAD LOCK
15	545 665 R1	TUBE ASSY, PRESSURE LUB -TRACTORS W/FORWARD AND REVERSE DRIVE-
	9 403 373	CAP, 7/8-14 37 DEG HYD FLARED TUBE
	9 403 372	CAP, 3/4-16 37 DEG HYD FLARED TUBE -TRACTORS W/SYNCROMESH TRANS-
	444 588	PLUG, 1/2-14 SQ-HD PIPE -TRACTORS W/HYDROSTATIC TRANS-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

EXTENDABLE DIPPERSTICK, TWO FOOT
& AUXILIARY VALVE ATTACHMENT



CA-2781A

1	547 967 R1	TUBE ASSY, VALVE TO BULKHEAD	
2	547 968 R1	TUBE ASSY, VALVE TO BULKHEAD	
3	481 352 R1	CONNECTOR, REDUCING -2-	
4	364 885 R1	O-RING, 5/8 OD TUBE -2-	
5	533 465 R1	BRACKET, PEDAL PIVOT	
	180 079	SCREW, 5/16-18 X 1 ZND HEX-HD CAP -4-	
	120 214	WASHER, 5/16 ZND MED LOCK -4-	
	120 376	NUT, 5/16-18 ZND HEX. -4-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

EXTENDABLE DIPPERSTICK, TWO FOOT -CONTINUED
& AUXILIARY VALVE ATTACHMENT

6	533 466 R2	PEDAL ASSY, CONTROL	
	662 454 R1	PIN, 3/4 X 5 STD-HD	
	131 017	WASHER, 13/16 X 1-1/2 X .108 ZND	
	103 419	PIN, 1/4 X 1-1/4 COT.	
7	547 969 R1	ROD ASSY, CLEVIS	
	138 084	PIN, 3/8 X 1-3/32 X .938 ROD END -2-	
	121 222	PIN, 3/32 X 3/4 C-Z COT. -2-	
8	547 971 R1	TUBE ASSY, BULKHEAD TO RETRACTION HOSE	
9	547 972 R1	TUBE ASSY, BULKHEAD TO EXTENSION HOSE	

REF. NO.	PART NUMBER	DESCRIPTION BKH-1
		EXTENDABLE DIPPERSTICK, TWO FOOT -CONTINUED & AUXILIARY VALVE ATTACHMENT
10	9 403 294	NUT, 3/4-16 BULKHEAD UNION LOCK -4-
11	547 966 R1	TUBE ASSY, END CAP TO FLOW DIVIDER
12	547 973 R2	HOSE ASSY, CROSSING PIVOT POINT -2-
	124 925	NUT, 3/8-24 ZND HEX.
13	148 382	CLEVIS, ROD END
14	547 974 R1	LEVER ASSY, EXTEND-A-DIPPER
15	545 022 R1	PIVOT, LEVER MOUNT
16	185 062 R1	BUSHING, NYLINER -2-
	366 112 R1	WASHER, 25/32 X 1-1/4 X .105 ZND -2-
17	23 090 R1	RING, RETAINING
	220 086	NUT, 3/4-10 ZND HEX.
	21 835 R1	PIN, 5/16 X 1-3/4 X 1.609 HD
	120 393	WASHER, 11/32 X 11/16 X .051 -2-
	103 384	PIN, 1/8 X 3/4 COT.
18	547 978 R1	HOSE ASSY, SWING TO BOOM -2-
19	547 979 R1	BRACKET, BOOM TUBES EXTEND-A-DIPPER -NOTE A-
19	61 708 C2	BRACKET ASSY, BOOM TUBES EXTEND-A-DIPPER -NOTE B-
20	547 980 R1	TUBE ASSY, BOOM TO EXTEND-A-DIPPER LH -NOTE A-
20	59 723 C1	TUBE ASSY, BOOM TO EXTEND-A-DIPPER LH -NOTE B-
21	547 981 R1	TUBE ASSY, BOOM TO EXTEND-A-DIPPER RH -NOTE A-
21	59 724 C1	TUBE ASSY, BOOM TO EXTEND-A-DIPPER RH -NOTE B-
22	9 403 294	NUT, 3/4-16 BULKHEAD UNION LOCK -4-
23	547 982 R1	TUBE ASSY, BUCKET LEFT -NOTE A-
23	59 725 C1	TUBE ASSY, BUCKET LEFT -NOTE B-
24	547 983 R1	TUBE ASSY, BUKCET RIGHT -NOTE A-
24	59 726 C1	TUBE ASSY, BUCKET RIGHT -NOTE B-
25	56 891 C1	HOSE ASSY, EXTENSION CYL -2- -REPLACES 533 481 R2-
26	129 028 H1	HOSE ASSY -2- -NOTE A-
26	59 727 C1	HOSE ASSY, BUCKET CYL -2- -NOTE B-
27	547 985 R2	TUBE ASSY, BUCKET CYL HEAD -NOTE A-
27	59 728 C1	TUBE ASSY, BUCKET CYL HEAD -NOTE B-
28	547 986 R2	TUBE ASSY, BUCKET CYL ROD -NOTE A-
28	59 729 C1	TUBE ASSY, BUCKET CYL ROD -NOTE B-
29		VALVE ASSY, CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF DIPPERSTICK CONTROL VALVE-
30	547 964 R91	DIPPERSTICK ASSY, EXTENDABLE -REFER TO TWO FOOT EXTENDABLE DIPPERSTICK FOR DETAILS
31		BOOM ASSY, BACKHOE -REFER TO BOOM, BUCKET, DIPPERSTICK, HYDRAULIC CYLINDER AND CONNECTIONS LISTING-

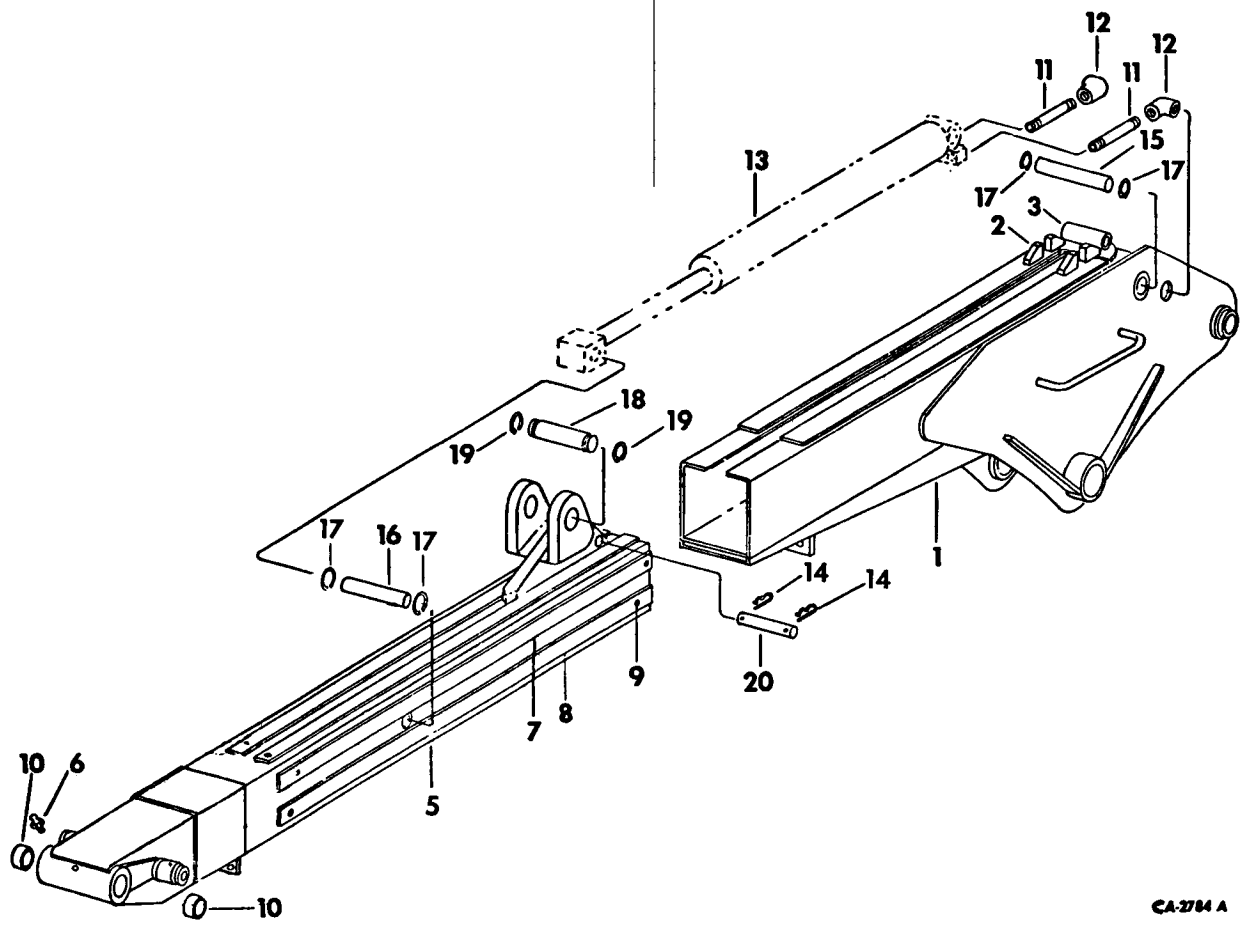
-30- SECTION K
3152 SERIES A BACKHOE

REF. NO.	PART NUMBER	DESCRIPTION BKH-1
		EXTENDABLE DIPPERSTICK, TWO FOOT -CONTINUED & AUXILIARY VALVE ATTACHMENT
32	9 403 372	CAP, 3/4-16 37 DEG HYD FLARED TUBE -2- -USED ONLY ON AUXILIARY VALVE ATTACHMENT-
33	9 410 282	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE 90 DEG SWIVEL -2- -NOTE A-
33	9 410 283	ELBOW, 1-1/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL -2- -NOTE B-
34	131 017	WASHER, 13/16 X 1-1/2 X .108 ZND.
35	9 403 406	REDUCER, 1-5/16 TO 1-1/16 37 DEG HYD FLARED TUBE
36	9 403 532	NUT, 1-5/16-12 37 DEG HYD FLARED TUBE
37	9 411 135	TEE
38	296 247 R1	O-RING, 1 OD TUBE
39	9 403 376	CAP, 1-5/16-12 37 DEG FLARED TUBE
	57 206 C1	UNION ASSY, ORIFICE -2- -FOR SWING PORTS OF CONTROL VALVE- -SERVICE ITEMS ARE VENT PLATE, 57 207 C1 AND RETAINER WASHER, 397 701 R1-

-NOTE A-
-FOR USE W/BOOMS HAVING I. D. NO. 3152U1111-

-NOTE B-
-FOR USE W/BOOMS HAVING I. D. NO. 3152U1112-

TWO FT. EXTENDABLE DIPPERSTICK



CA-2784 A

REF. NO.	PART NUMBER	DESCRIPTION
	547 964 R91	DIPPERSTICK ASSY, EXTENDABLE
1	539 771 R91	HOUSING ASSY -INCLUDES REF NOS. 2, 3 AND 4-
2	539 437 R1	STOP, LOCK LUG -4-
3	457 665 R1	HOLDER, LOCK PIN
4	539 583 R1	GUARD, HOSE -2-
5	57 698 C1	KIT, TELESCOPING EXTENSION -INCLUDES REF NOS. 7, 8, 9 AND 10-
	181 173	SCREW, 1/2-13 X 3 HEX-HD -2- CAP
	116 121	WASHER, 1/2 MED LOCK -2-
	118 617	NUT, 1/2-13 HEX. -2-

TWO FT. EXTENDABLE DIPPERSTICK -CONTINUED

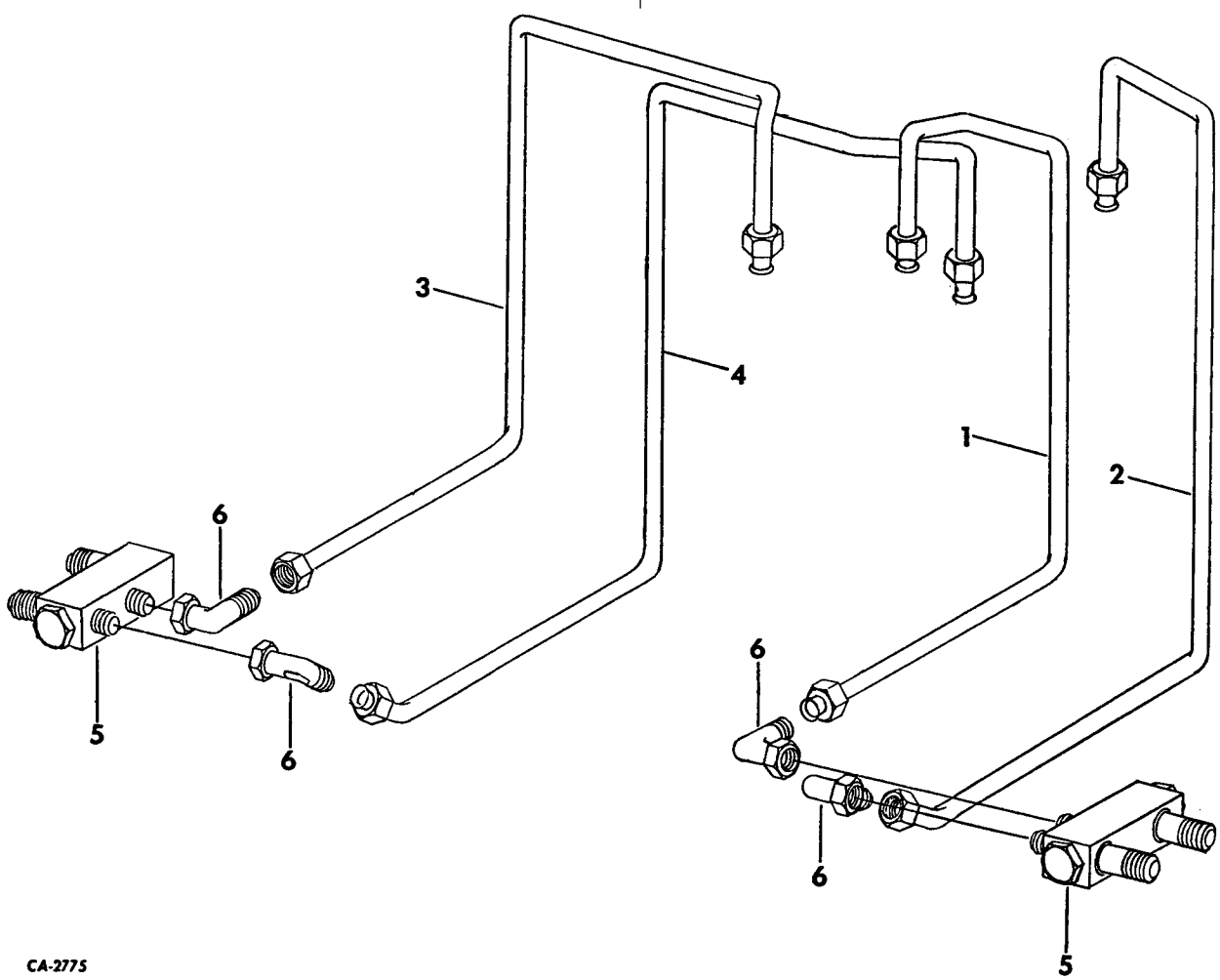
REF. NO.	PART NUMBER	DESCRIPTION
6	109 461	FITTING, 1/8-27 PTF LUB -3-
7	539 775 R1	STRIP, BEARING
8	539 776 R1	STRIP, BEARING
9	539 436 R1	SCREW, 5/8-16 X 1/2 FLAT -64-
10	539 777 R1	BUSHING -2-
11	539 455 R1	NIPPLE -2-
12	9 402 905	ELBOW, 1/2-14 37 DEG HYD FLARED -2- INT PIPE THD 90 DEG
13		CYLINDER ASSY, DIPPERSTICK -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDER
14	478 275 R1	CLIP, COMPACTOR PIN -2-
15	539 451 R1	PIN, EXTENSION CYL 1-1/4 DIA

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		TWO FT. EXTENDABLE DIPPERSTICK -CONTINUED	
16	539 452 R1	PIN, EXTENSION CYL 1-1/4 DIA	
17	383 878 R1	RING, 1-1/4 DIA INT SNAP -4-	
18	539 779 R1	PIN, BUCKET CYL	
19	69 339 R1	RING, 1-1/2 DIA EXT SNAP -2-	
	23 047 R1	WASHER, 1-1/2 DIA FLAT -2-	
20	539 450 R1	PIN, COMPACTOR	
	539 625 R1	LUBRICANT, FLUID -FOR EXTENDABLE DIPPERSTICK SLIDE-	

3152 SERIES A BACKHOE -32- SECTION K

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

STABILIZER CHECK VALVE AND CONNECTIONS

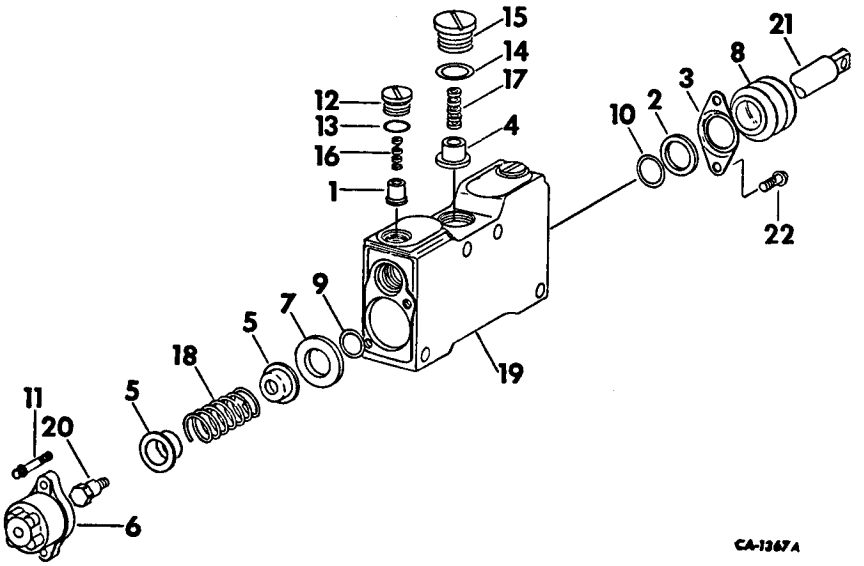


CA-2775

REF. NO.	PART NUMBER	DESCRIPTION
1	548 803 R1	TUBE, LH STABILIZER VALVE TO HEAD END
2	545 804 R1	TUBE, LH STABILIZER VALVE TO ROD END
3	545 805 R1	TUBE, RH STABILIZER VALVE TO HEAD END
4	545 806 R1	TUBE, RH STABILIZER VALVE TO ROD END
5	400 433 R92	VALVE ASSY, CHECK -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF CHECK VALVE-
6	9 410 281	ELBOW, 90 DEG SWIVEL -4-

STABILIZER CHECK VALVE AND CONNECTIONS -CONTINUED

SECTION VALVE -SWING-



CA-1367A

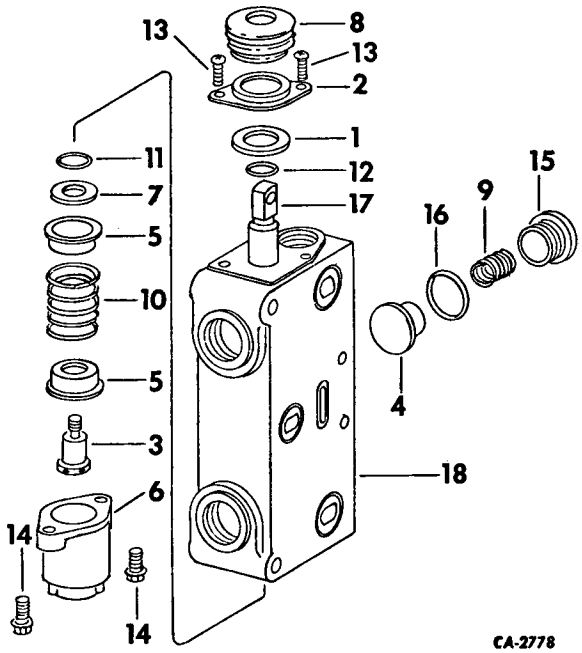
REF. NO.	PART NUMBER	DESCRIPTION
	537 858 R92	VALVE SECTION-SWING
1	535 580 R1	PLUNGER -2-
2	535 581 R1	WASHER, BREATHER
3	535 582 R1	RETAINER, DUST SEAL
4	535 603 R1	PLUNGER, LIFT CHECK
5	535 584 R1	WASHER, DEEP -2-
6	535 585 R1	CAP
7	535 586 R1	RETAINER, O-RING .152/.150 THICK
7	67 056 C1	RETAINER, O-RING .1555/.1535 THICK
7	67 057 C1	RETAINER, O-RING .159/.157 THICK
8	535 587 R1	SEAL, DUST
9	252 707 R1	O-RING, 3/4 X 15/16 X 3/32 -REPLACES 67 120 C1-
10	535 588 R1	O-RING, 3/4 X 1 X 1/8
11	535 591 R1	SCREW, SPECIAL -2-
12	66 919 C1	PLUG -2- -REPLACES 387 438 R91-

SECTION VALVE -SWING- -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
13	470 585 R1	O-RING, 1/2 X 11/16 X -2- 3/32
14	380 839 R1	O-RING, 7/8 X 1-1/16 X 3/32
15	110 547 C1	PLUG W/O-RING -WILL WORK FOR 535 594 R1-
16	387 437 R1	SPRING, ANTI-CAVATION -2-
17	535 598 R1	SPRING, LIFT CHECK
18	535 599 R1	SPRING, SPOOL CENTER
19		BODY, SECTION VALVE -NOT SERVICED SEPARATELY ORDER VALVE ASSY 537 858 R92-
20	596 327 R1	SCREW, SPOOL
21		SPOOL, SECTION VALVE -NOT SERVICED SEPARATELY ORDER VALVE ASSY 537 858 R92-
22	402 796 R1	CAPSCREW, SPECIAL -2-
	537 866 R92	KIT, SEAL REPAIR -CONSISTS OF 1 O-RING 252 707 R1 1 O-RING 535 588 R1 1 O-RING 470 585 R1 1 O-RING 380 839 R1-

BKH-1

VALVE SECTION
-BOOM-



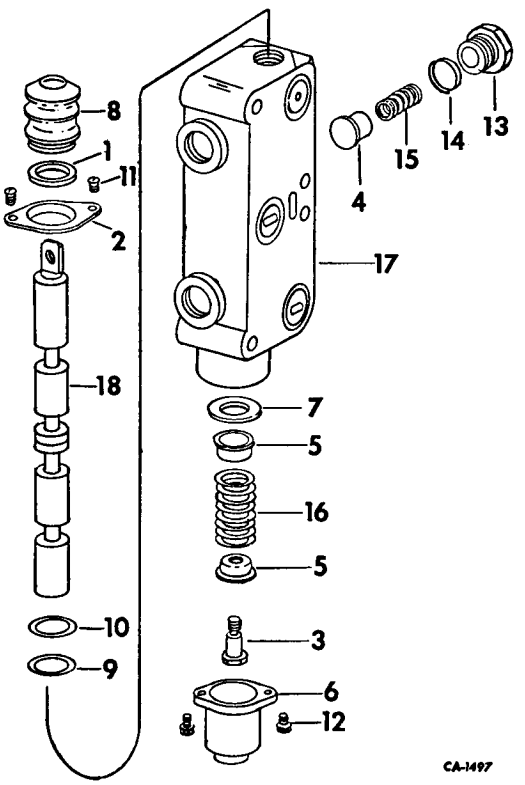
REF. NO.	PART NUMBER	DESCRIPTION
	537 868 R93	VALVE SECTION -BOOM-
1	535 581 R1	WASHER, BREATHER
2	535 582 R1	RETAINER, DUST SEAL
3	596 327 R1	SCREW, SPOOL
4	535 603 R1	PLUNGER, LIFT CHECK
5	535 584 R1	WASHER, DEEP -2-
6	535 585 R1	CAP
7	535 586 R1	RETAINER, O-RING .152/.150 THICK
7	67 056 C1	RETAINER, O-RING .1555/.1535 THICK
7	67 057 C1	RETAINER, O-RING .159/.157 THICK
8	535 587 R1	SEAL, DUST
9	535 598 R1	SPRING, LIFT CHECK
10	61 737 C1	SPRING, SPOOL CENTER -REPLACES 535 599 R1-
11	252 707 R1	O-RING, 3/4 X 15/16 X 3/32 -REPLACES 67 120 C1-

BKH-1

VALVE SECTION -CONTINUED
-BOOM-

REF. NO.	PART NUMBER	DESCRIPTION
12	535 588 R1	O-RING, 3/4 X 1 X 1/8
13	535 591 R1	SCREW, SPECIAL -2-
14	402 796 R1	CAPSCREW, SPECIAL -2-
15	110 547 C1	PLUG W/O-RING -WILL WORK FOR 535 594 R1-
16	380 839 R1	O-RING, 7/8 X 1-1/16 X
17		SPOOL, D.A. SPL. -NOT SERVICED SEPARATELY ORDER VALVE ASSY 537 868 R93-
18		BODY, VALVE -NOT SERVICED SEPARATELY ORDER VALVE ASSY 537 868 R93-
	537 912 R93	KIT, SEAL REPAIR -CONSISTS OF 2 O-RING 369 908 R1 1 O-RING 379 181 R1 1 O-RING 352 221 R1 1 O-RING 535 588 R1 1 O-RING 252 707 R1 1 WASHER 535 576 R2 1 WASHER 539 534 R1 1 O-RING 380 839 R1-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	SECTION VALVE		

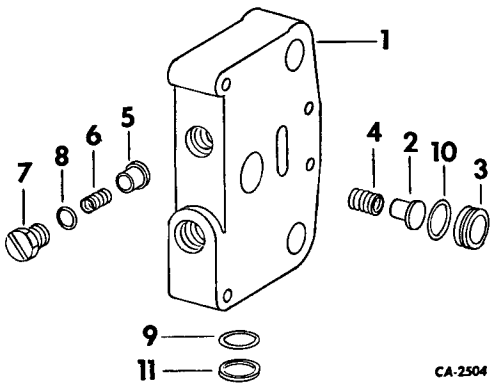


	535 644 R93	VALVE, SECTION STABILIZER AND DIGMOR	
	537 853 R93	VALVE, SECTION BUCKET	
1	535 581 R1	WASHER, BREATHER	
2	535 582 R1	RETAINER, DUST SEAL	
3	596 327 R1	SCREW, SPOOL	
4	535 603 R1	PLUNGER, LIFT CHECK	
5	535 584 R1	WASHER, DEEP -2-	
6	535 585 R1	CAP	
7	535 586 R1	RETAINER, O-RING .152/.150 THICK	
7	67 056 C1	RETAINER, O-RING .1555/.1535 THICK	
7	67 057 C1	RETAINER, O-RING .159/.157 THICK	
8	535 587 R1	SEAL, DUST	
9	252 707 R1	O-RING, 3/4 X 15/16 X 3/32 -REPLACES 67 120 C1-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	SECTION -CONTINUED		
10	535 588 R1	O-RING, 3/4 X 1 X 1/8	
11	535 591 R1	SCREW, SPECIAL -2-	
12	402 796 R1	CAPSCREW, SPECIAL -2-	
13	110 547 C1	PLUG W/O-RING -WILL WORK FOR 535 594 R1-	
14	380 839 R1	O-RING, 7/8 X 1-1/16 X 3/32	
15	535 598 R1	SPRING, LIFT CHECK	
16	61 737 C1	SPRING, SPOOL CENTER -REPLACES 535 599 R1-	
17		BODY, VALVE -NOT SERVICED SEPARATELY-	
18		SPOOL, VALVE -NOT SERVICED SEPARATELY-	
	535 638 R92	KIT, SEAL REPAIR -USED WITH 534 644 R93- -CONSISTS OF	
		1 O-RING 252 707 R1	
		1 O-RING 535 588 R1	
		1 O-RING 380 839 R1-	
	539 580 R92	KIT, SEAL REPAIR -USED WITH 537 853 R93 -CONSISTS OF	
		1 O-RING 369 908 R1	
		1 O-RING 352 221 R1	
		1 WASHER 535 576 R2	
		1 O-RING 252 707 R1	
		1 O-RING 535 588 R1	
		1 O-RING 380 839 R1-	

BKH-1

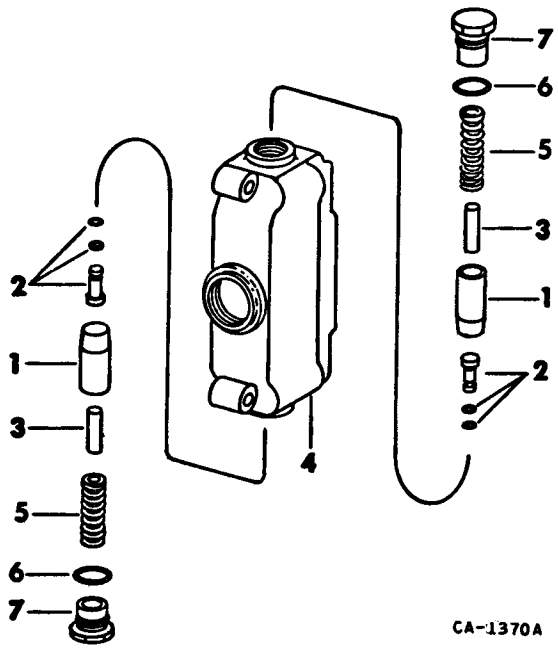
ADAPTER



REF. NO.	PART NUMBER	DESCRIPTION
	537 857 R92	ADAPTER ASSY, RH
1		BODY, ADAPTER -NOT SERVICED SEPARATELY ORDER VALVE ASSY-
2	535 600 R1	CHECK
3	535 601 R1	SEAT
4	535 602 R1	SPRING, CHECK
5	535 603 R1	PLUNGER, LIFT CHECK
6	535 598 R1	SPRING, LIFT CHECK
7	110 547 C1	PLUG W/O-RING -WILL WORK FOR 535 594 R1-
8	380 839 R1	O-RING, 7/8 X 1-1/16 X 3/32
9	362 796 R1	O-RING, 15/16 X 1-1/8 X 3/32
10	381 884 R1	O-RING, 1 X 1-3/16 X 3/32
11	539 533 R1	WASHER, BACK-UP
	537 863 R92	KIT, SEAL REPAIR CONSISTS OF 1 O-RING 364 879 R1 1 O-RING 362 796 R1 1 O-RING 381 884 R1 1 O-RING 380 839 R1 1 WASHER 539 533 R1-

BKH-1

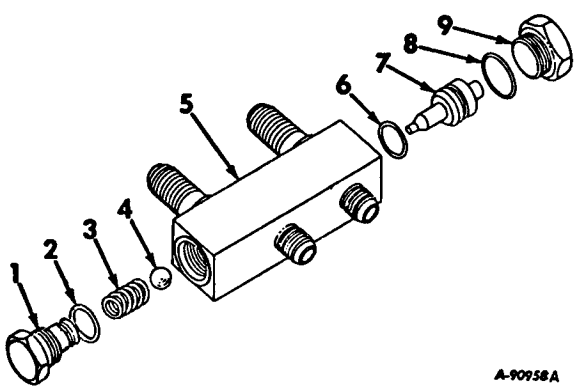
END PLATE



REF. NO.	PART NUMBER	DESCRIPTION
	537 850 R93	END PLATE, LH
1	537 851 R1	SPOOL -2-
2	65 054 C1	PLUNGER, W/SEALS -2-
3	180 085	PIN; 3/8 X 1-3/8 DOWEL -2-
4		BODY, END PLATE -NOT SERVICED SEPARATELY ORDER END PLATE ASSY-
5	535 612 R1	SPRING -2-
6	381 884 R1	O-RING, 1 X 1-3/16 X 3/32 -2-
7	535 611 R1	PLUG -2-
	60 358 C91	KIT, SEAL REPAIR -CONSISTS OF 2 O-RING 381 884 R1 2 PLUNGER 65 054 C1-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

CHECK VALVE
-STABILIZER-

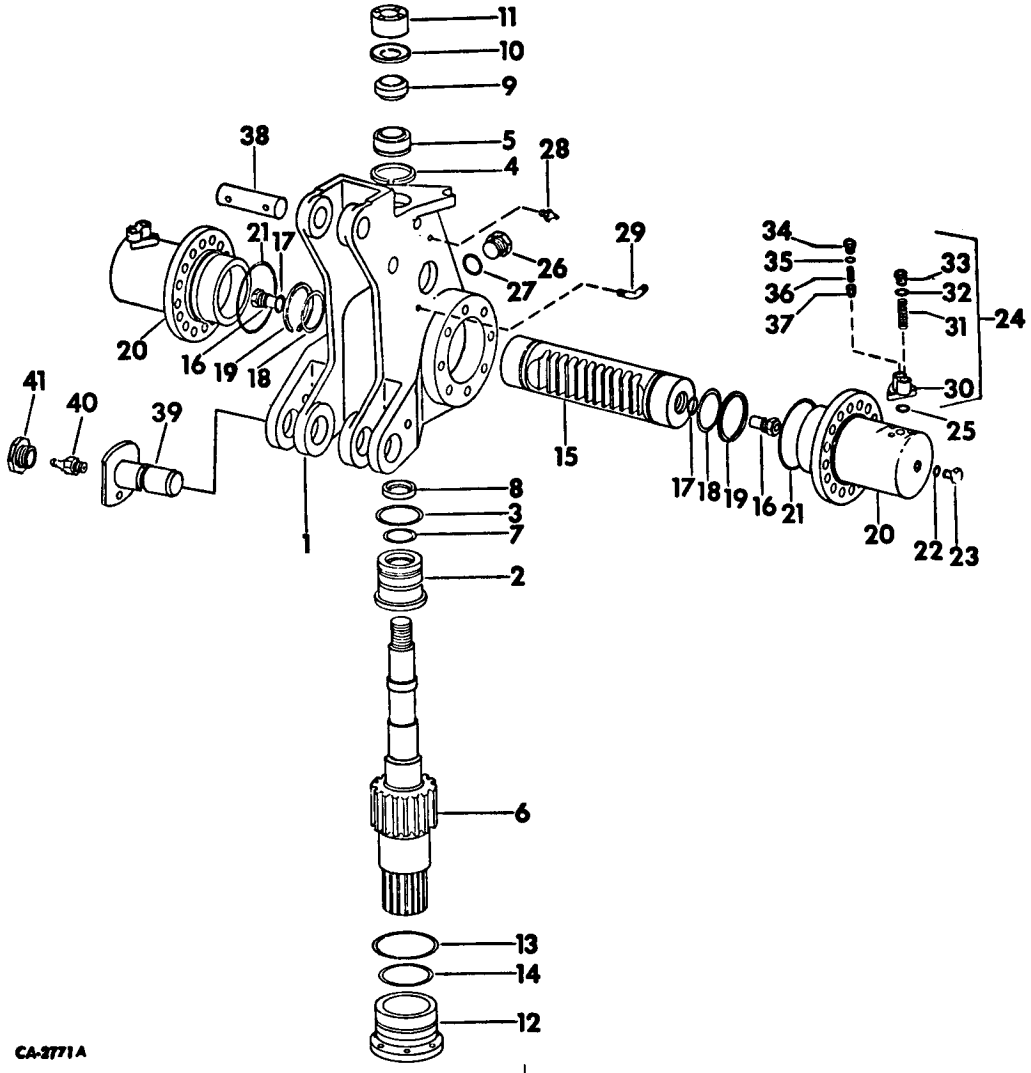


	400 433 R92	VALVE ASSY, STABILIZER CHECK	
1	59 060 C1	PLUG, CHECK VALVE -ALSO FURNISH SPRING, 59 061 C1-	
2	364 885 R1	O-RING FOR 5/8 OD TUBE CHECK VALVE RING	
3	59 061 C1	SPRING, CHECK VALVE -ALSO FURNISH PLUG, 59 060 C1-	
4	17 016 R1	BALL, 1/2 CR-STL	
5		BLOCK ASSY, CHECK VALVE -NOT SERVICED SEPARATELY-	
6	21 433 R1	RING, ACTUATOR CHECK VALVE SEAL PISTON -REPLACES 350 667 R1-	
7	362 707 R3	PISTON, ACTUATOR CHECK VALVE	
8	368 269 R1	O-RING FOR 3/4 OD TUBE CHECK VALVE RING	
9	400 664 R1	PLUG, O-RING BOSS	

3152 SERIES A BACKHOE -38- SECTION K

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SWING MECHANISM



REF. NO.	PART NUMBER	DESCRIPTION
1	544 778 R91	HOUSING W/BUSHINGS -INCLUDES REF NOS. 2, 3, 4 AND 5-
2	544 780 R1	BUSHING, UPPER SWING SHAFT
3	22 279 R1	O-RING, 4-1/8 X 4-1/2 X 3/16
4	660 433 R1	RING, RETAINING
5	56 556 C1	BUSHING, SELF ALIGNING BALL
6	544 781 R2	SHAFT, SWING
7	252 734 R1	O-RING, 2-3/4 X 3-1/8 X 3/16

-39- SECTION K
3152 SERIES A BACKHOE
BKH-1

SWING MECHANISM -CONTINUED

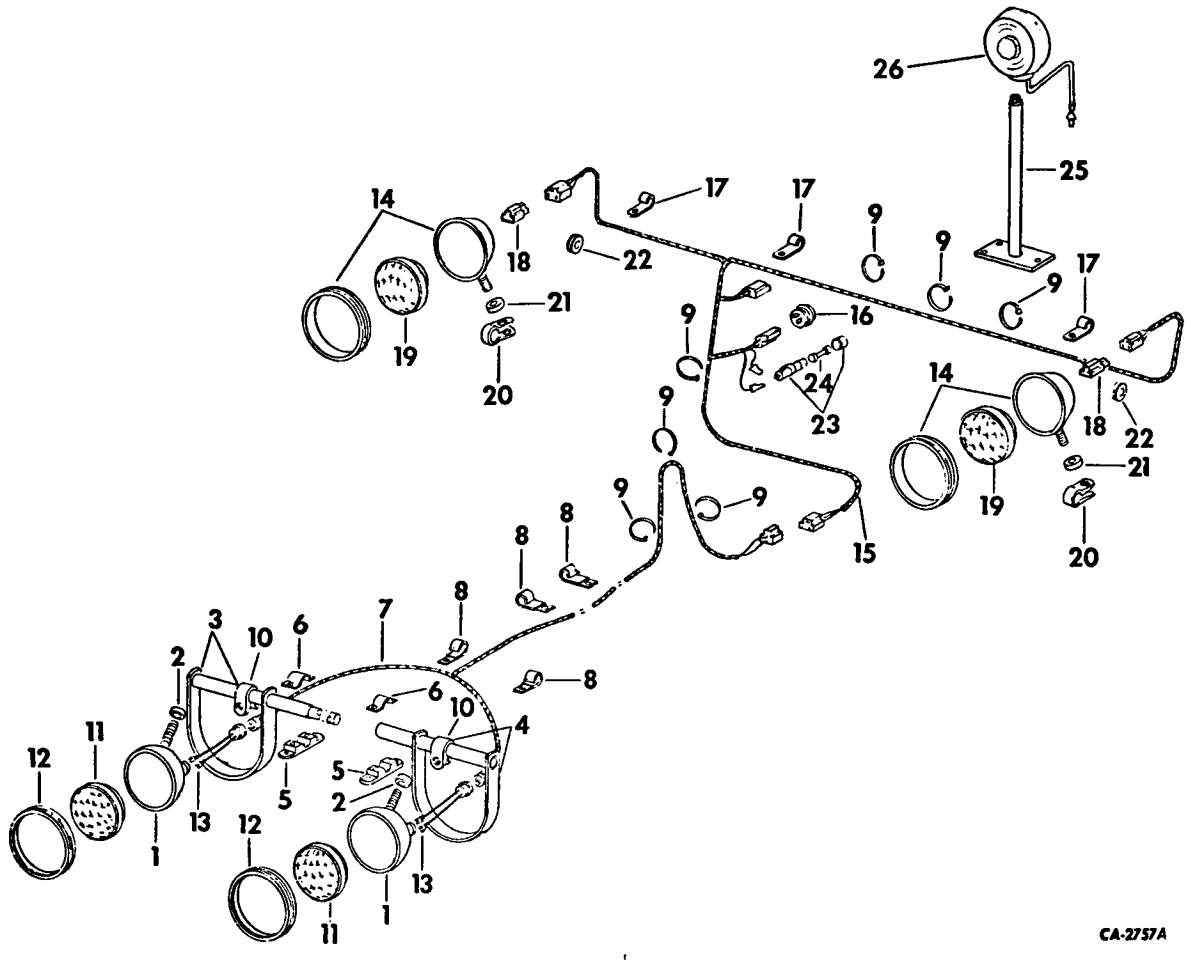
REF. NO.	PART NUMBER	DESCRIPTION
8	544 782 R91	SEAL, OIL
9	544 783 R1	SPACER, UPPER SHAFT
10	544 817 R1	WASHER, SPHERICAL
11	544 818 R1	NUT, SWING SHAFT
12	544 819 R2	BUSHING, LOWER SWING SHAFT
13	610 416 C1	O-RING, 5-5/8 X 6-1/8 X 1/4

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	SWING MECHANISM -CONTINUED		
14	22 289 R1	O-RING, 4-1/4 X 4-5/8 X 3/16	
	20 617 R1	SCREW, 5/16-18 X 1 ZND TYPE 8 HEX-HD CAP -8-	
	120 214	WASHER, 5/16 ZND MED LOCK -8-	
15	544 820 R1	PISTON, SWING	
16	394 311 R91	VALVE ASSY, SWING PISTON SAFETY -2-	
17	296 247 R1	O-RING, 1 IN. TUBE -2-	
18	257 642 R1	O-RING, 4-1/4 X 4-1/2 X 1/8 -2-	
19	544 821 R1	RING, RECTANGULAR -2-	
20	544 822 R1	BODY, SWING CYL -2-	
21	21 295 R1	O-RING, 5-3/4 X 6-1/4 X 1/4 -2-	
22	364 839 R1	O-RING, 3/8 OD TUBE -2-	
23	9 410 358	PLUG, 9/16-18 C-Z STR THD O-RING BOSS -2-	
	271 611	SCREW, 3/4-10 X 2 HEX-HD CAP -16-	
24	544 698 R91	DECELERATOR VALVE ASSY -2-	
	601 924 C1	SCREW, 3/8-16 X 1 12 PT -6-	
25	25 173 R1	O-RING, 1-5/8 X 1-13/16 X 3/32 -2-	
26	23 434 R1	PLUG, 3/4-16 CDP STR THD O-RING BOSS	
27	570 828 R1	O-RING, 1/2 OD TUBE	
28	109 461	FITTING, 1/8-27 PTF LUB	
29	9 402 864	ELBOW, 1/4-18 PIPE TO 9/16-18 90 DEG	
30	544 699 R1	HOUSING ASSY, VALVE	
31	392 963 R1	SPRING, VALVE PISTON	
32	364 885 R1	O-RING, 3/4 X 15/16 X 3/32	
33	392 964 R1	PLUG, PISTON	
34	392 962 R11	PLUG ASSY, CHECK VALVE	
35	570 828 R1	O-RING, 1/2 OD TUBE	
36	382 915 R1	SPRING ASSY, CHECK VALVE	
37	382 916 R1	POPPET, CHECK VALVE	
38	544 823 R1	PIN, LIFT CYL PIVOT SWING	
	468 347 R1	PIN, 3/8-4-1/4 STD-HD -2-	
	103 384	PIN, 1/8 X 3/4 COT. -2-	
39	544 828 R1	PIN ASSY, BOOM PIVOT LOCK -2-	
	22 565 R1	BOLT, 3/4 X 1 CDP HEX-HD MACH -2-	
40	109 461	FITTING, 1/8-27 PTF STR LUB -2-	
41	445 090	PLUG, 3/4-16 HEX-HD OUTSIDE DRAIN -2-	

3152 SERIES A BACKHOE -40- SECTION K

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

LIGHTING - STANDARD & DELUXE



CA-2757A

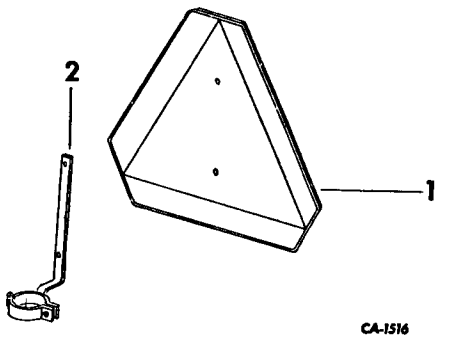
REF. NO.	PART NUMBER	DESCRIPTION
1	391 005 R91	LAMP ASSY, COMB. SHOCK PROOF -2- INCLUDES REF. NOS. 11, 12 & 13
2	365 503 R1	SPACER, LAMP -2-
	120 384	WASHER, 1/2 C-Z MED LOCK -2-
	120 378	NUT, 1/2-13 C-Z HEX. -2-
3	535 386 R91	GUARD ASSY, BACKHOE LAMP
4	535 390 R91	GUARD ASSY, BACKHOE LAMP
5	535 391 R1	BRACKET, LAMP -2-
	180 077	SCREW, 5/16-18 X 3/4 ZND. HEX-HD CAP -4-
	120 214	WASHER, 5/16 ZND MED LOCK -4-
6	535 392 R1	STRAP, LAMP CLAMP -2-
	180 077	SCREW, 5/16-18 X 3/4 ZND HEX-HD CAP -4-
	120 214	WASHER, 5/16 ZND MED LOCK -4-
7	548 478 R2	HARNESS ASSY, BOOM FLOOD LIGHTS
8	362 120 R1	CLIP, LAMP CABLE HARNESS -4-
	180 077	SCREW, 5/16-18 X 3/4 ZND HEX-HD CAP -2-
	120 376	NUT, 5/16-18 ZND HEX. -2-
	120 214	WASHER, 5/16 ZND MED LOCK -2-
9	535 394 R1	STRAP, CABLE TIE -7-

LIGHTING - STANDARD & DELUXE -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
10	350 920 R1	CLAMP -2-
11	535 850 R1	LAMP -2-
12	676 078 R1	RETAINER -2-
13	530 029 R91	CONNECTOR -2-
14	387 729 R2	LIGHT ASSY, COMBINATION SHOCK PROOF -2- -ONLY SERVICEABLE ITEMS ARE LAMP, 455 490 AND SEALED BEAM UNIT. 471 461 R91
15	546 031 R1	CABLE ASSY, BACKHOE LIGHTING
16	394 771 R92	SWITCH ASSY, LIGHT
17	362 121 R1	CLAMP, CABLE -4-
	180 016	SCREW, 1/4-20 X .50 ZND HEX-HD CAP -6-
18		CONNECTER, BREAKAWAY TYP-GG -2- -NOT SERVICED SEPARATELY ORDER HARNESS ASSY. 546 031 R1-
19	455 490	LAMP -2-
20	350 920 R1	CLAMP, HEADLAMP -2-

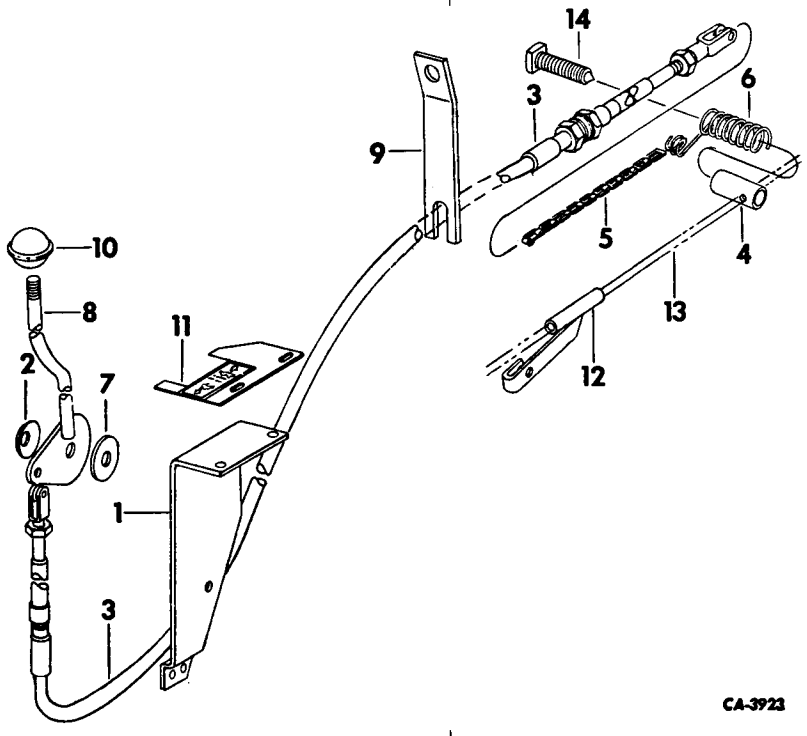
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		LIGHTING - STANDARD & DELUXE -CONTINUED	
21	365 503 R1	SPACER, LAMP -2-	
	120 378	NUT, 1/2-13 ZND HEX. -2-	
	120 384	WASHER, 1/2 ZND MED LOCK -2-	
22	120 879	GROMMET SIZE #7 -2-	
23	376 852 R91	HOUSING ASSY, FUSE	
24	106 653	FUSE, CARTRIGE TYPE AGC-20	
25	546 033 R1	SUPPORT ASSY, WARNING LIGHT -2-	
26	67 539 C92	LIGHT ASSY, WARNING -2-	
		-SERVICE ITEMS ARE LAMP, 9 417 866	
		AND HOUSING AMBER LENS, 69 616 C1-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		SLOW MOVING VEHICLE EMBLEM	



1	202 013 C1	EMBLEM, SLOW MOVING VEHICLE	
	120 221	SCREW, 10-24 X 1/2 RD-HD SLT MACH -2-	
	120 361	NUT, 10-24 HEX. -2-	
	607 893 R1	WASHER, 13/64 X 1/2 X 16 GA -2-	
2	534 794 R1	BRACKET ASSY, REFLECTOR MOUNTING	
	104 084	RIVET, 1/4 X 7/8 BUTTON HD	
	18 628 R1	BOLT, 1/4 X 1-1/4 ZND SQ-NK CRG.	
	126 177	NUT, 1/4-20 ZND WING	

THROTTLE CONTROL ATTACHMENT
-GASOLINE TRACTORS-



CA-3923

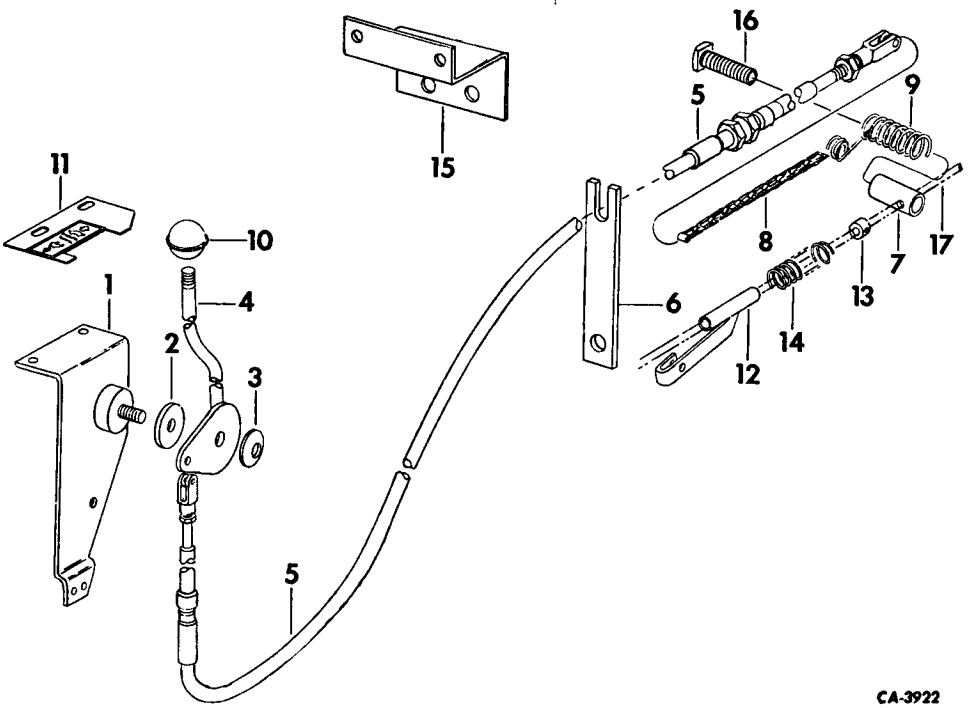
REF. NO.	PART NUMBER	DESCRIPTION
1	59 518 C1	THROTTLE PLATE ASSY, LH
2	59 573 C1	WASHER, SPRING
	124 829	NUT, 3/8-16 JAM -2-
	180 078	SCREW, 5/16-18 X 7/8 ZND HEX-HD CAP -3-
	120 214	WASHER, 5/16 MED LOCK -3-
	120 376	NUT, 5/16-18 HEX. -3-
3	59 578 C1	CABLE, CONTROL, 90 LG W/CLAMP & ENDS
	132 049	SCREW, NO. 10-24 X 5/8 -2-
	114 603	WASHER, NO. 10 INTERNAL TOOTH -2-
	120 361	NUT, NO. 10-24 -2-
4	59 580 C1	TUBE, THROTTLE CLAMP
	102 899	SCREW, 3/8-16 X 1-3/4 SET CUP POINT
5	59 581 C1	CHAIN
	120 394	WASHER, 13/32 X 13/16 X .051 ZND
6	59 582 C1	SPRING, CONNECTOR
7	59 572 C1	DISK, FRICTION

THROTTLE CONTROL ATTACHMENT -CONTINUED
-GASOLINE TRACTORS-

REF. NO.	PART NUMBER	DESCRIPTION
8	59 574 C1	LEVER ASSY, THROTTLE LH
9	59 583 C1	BRACKET, THROTTLE
10	360 917 R1	BALL, TOUCH CONTROL HANDLE
11	59 584 C1	STOP, THROTTLE
12	59 586 C1	CLEVIS ASSY, THROTTLE GAS
	120 613	NUT, 1/4-28 ZND JAM
13		ROD, ACCELERATOR -REFER TO FOOT ACCELERATOR THIS SECTION-
14	180 124	SCREW, 3/8-16 X 1-1/4 ZND HEX-HD CAP
	59 591 C1	PRODUCT GRAPHIC, THROTTLE CONTROL

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

THROTTLE CONTROL ATTACHMENT
-DIESEL TRACTORS-



CA-3922

REF. NO.	PART NUMBER	DESCRIPTION
1	59 519 C1	THROTTLE PLATE ASSY, RH
2	59 572 C1	DISK, FRICTION
3	59 573 C1	WASHER, SPRING
	124 829	NUT, 3/8-16 JAM -2-
	180 078	SCREW, 5/16-18 X 7/8 ZND HEX-HD CAP -3-
	120 214	WASHER, 5/16 MED LOCK -3-
	120 376	NUT, 5/16-18 HEX. -3-
4	59 575 C1	LEVER ASSY, THROTTLE RH
5	59 578 C1	CABLE, CONTROL, 90 LG W/CLAMP & ENDS
	132 049	SCREW, NO. 10-24 X 5/8 -2-
	114 603	WASHER, NO. 10 INTERNAL TOOTH -2-
	120 361	NUT, NO. 10-24 -2-
6	59 579 C1	BRACKET, THROTTLE
7	59 580 C1	TUBE, THROTTLE CLAMP
	102 899	SCREW, 3/8-16 X 1-3/4 SET CUP POINT
8	59 581 C1	CHAIN
	120 394	WASHER, 13/32 X 13/16 X .051 ZND
9	59 582 C1	SPRING, CONNECTOR

-44- SECTION K
3152 SERIES A BACKHOE

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

THROTTLE CONTROL ATTACHMENT -CONTINUED
-DIESEL TRACTORS-

REF. NO.	PART NUMBER	DESCRIPTION
10	360 917 R1	BALL, TOUCH CONTROL HANDLE
11	59 584 C1	STOP, THROTTLE
	179 889	SCREW, 1/2-13 X 2 HEX-HD CAP
12	59 585 C1	CLEVIS ASSY, THROTTLE DIESEL
13	59 590 C1	COLLAR, THROTTLE ROD
	192 208	SCREW, 8-32 X 3/16 ZND SOC-HD SET
14	373 448 R1	SPRING, HANDLE BUTTON
	120 613	NUT, 1/4-28 ZND JAM
15	59 592 C1	BRACKET, ETHER MOUNTING
16	180 124	SCREW, 3/8-16 X 1-1/4 ZND HEX-HD CAP
17		ROD, ACCELERATOR -REFER TO FOOT ACCELERATOR THIS SECTION-
	59 591 C1	PRODUCT GRAPHIC, THROTTLE CONTROL

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

PRODUCT GRAPHICS

547 494 R91 PRODUCT GRAPHIC, IH -2-

547 496 R91 PRODUCT GRAPHIC, INTERNATIONAL

546 278 R91 PACKAGE, PRODUCT GRAPHIC
-CONSISTS OF-
$ PRODUCT GRAPHIC, BACKHOE CONTROL
$ PRODUCT GRAPHIC, BACKHOE CONTROL
$ PRODUCT GRAPHIC, BACKHOE CONTROL
$ PRODUCT GRAPHIC, BACKHOE CONTROL
$ PRODUCT GRAHPIC, GREASE GUN

-45- SECTION K
3152 SERIES A BACKHOE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

3152 SERIES A BACKHOE -46- SECTION K

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

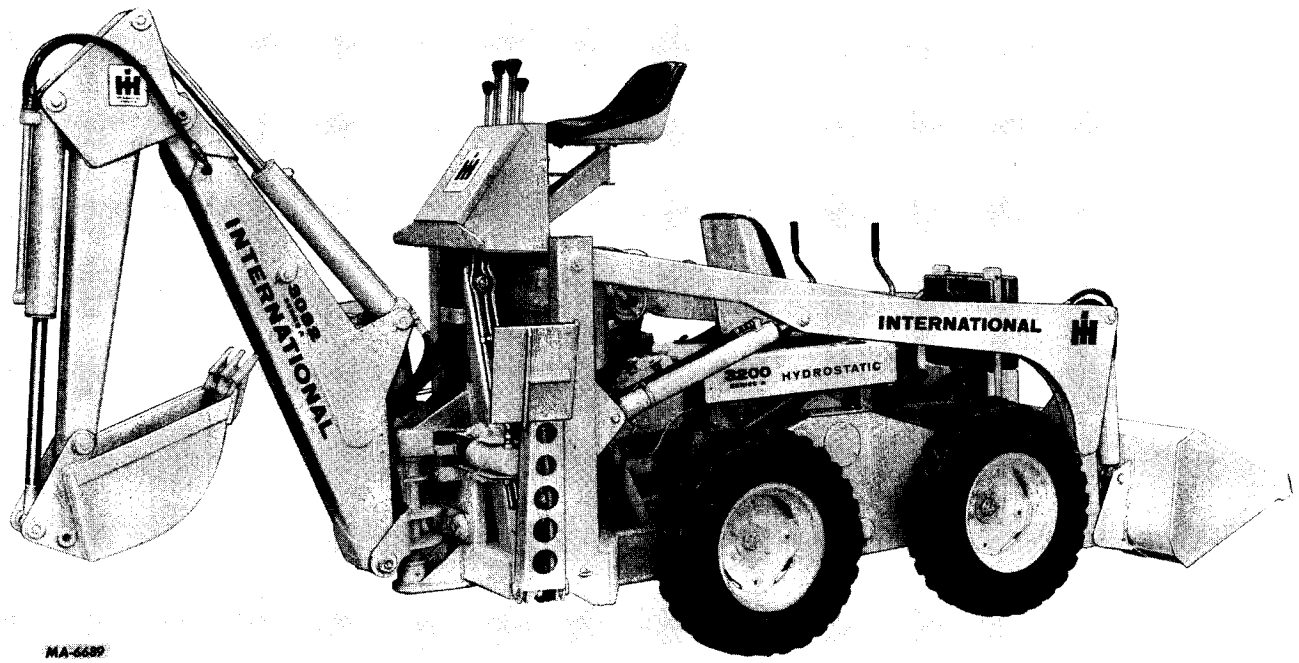
BKH-1

3082 SERIES A BACKHOE

Built 1972 and Since

For use with the following Tractors:
3200 Series A Loader Tractors

All tractors equipped with Category I
or Category II point hitches

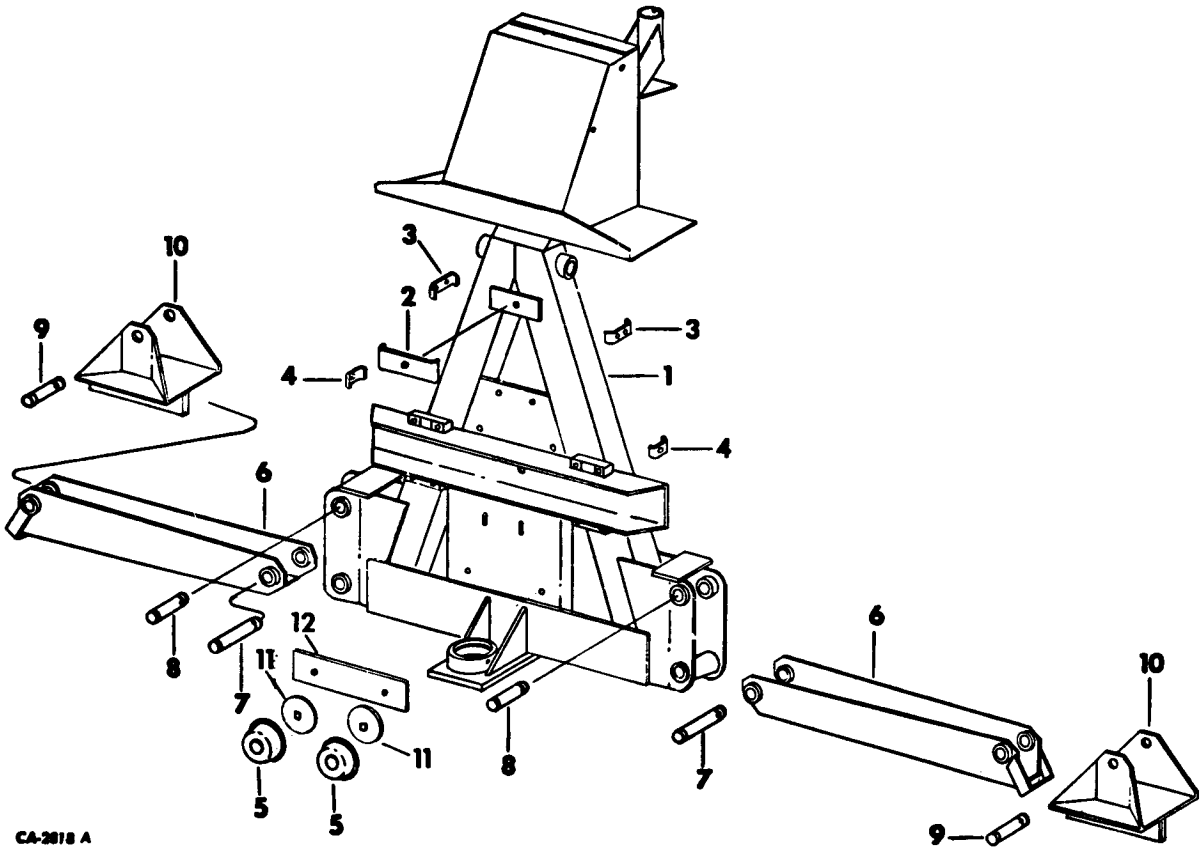


3082 Series A Backhoe mounted on 3200 Series A Loader Tractor

INDEX TO UNITS BKH-1

DESCRIPTION	Gp	Pg	Grid
BOOM		4	
BRACKET, Mounting w/Pin (For 3200 Series A Tractors)		15	
BUCKET		4	
CONTROL, Hydraulic		6	
COUNTERWEIGHT		16	
CYLINDER			
Boom		18	
Bucket		18	
Dipperstick		18	
Stabilizer		20	
Swing		17	
DIPPERSTICK		4	
FRAME, Main		3	
HYDRAULIC CONNECTIONS		10	
Boom		8	
Bucket		8	
Control Valve		8	
Stabilizers		8	
POWER SUPPLY		12	
PRODUCT GRAPHICS		16	
SEAT		7	
STABILIZER		3	
SUPPORT, Seat		7	
SWING MECHANISM		13	
THROTTLE STOP		16	
VALVE			
Control		21	
Section		22	

MAIN FRAME AND STABILIZERS



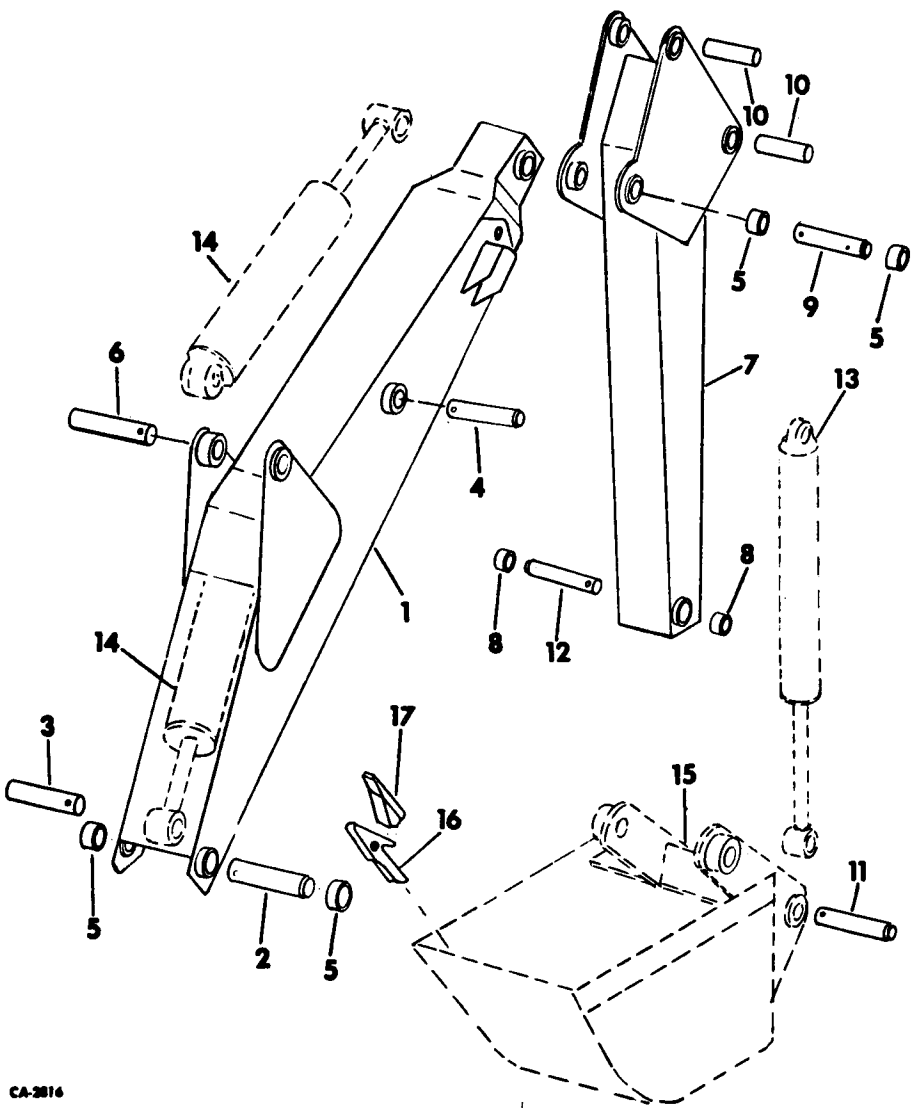
REF. NO.	PART NUMBER	DESCRIPTION
1	55 379 C1	MOUNTING, -A- FRAME ASSY
	109 461	FITTING, 1/8-27 NPT -3-
2	55 380 C1	CLAMP, UPPER FRAME HOSE
	180 083	SCREW, 5/16-18 X 1-1/2 ZND HEX-HD CA
9	412 083	NUT, 5/16-18 PREVAILING TORQUE HEX LOCK
3	55 381 C1	CLAMP, UPPER FRAME TUBE -2-
	180 081	SCREW, 5/16-18 X 1 ZND HEX-HD CAP -4-
	120 214	WASHER, 5/16 ZND MED LOCK -4-
	120 376	NUT, 5/16-18 ZND HEX. -6-
4	56 080 C1	CLAMP, LOWER FRAME TUBE -2-
	180 081	SCREW, 5/16-18 X 1 ZND HEX-HD CAP -2-
	120 214	WASHER, 5/16 ZND MED LOCK -2-
5	56 081 C1	PAD ASSY, BUMPER -2-
	18 422 R1	BOLT, 3/8-16 X 1-3/4 ZND SQ-NK CRG -2-
	120 377	NUT, 3/8-16 ZND HEX. -2-
	120 382	WASHER, 3/8 ZND MED LOCK -2-
6	56 082 C1	STABILIZER ASSY, -2-

-3- SECTION L
3082 SERIES A BACKHOE
BKH-1

MAIN FRAME AND STABILIZERS -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
7	56 083 C1	PIN, STABILIZER PIVOT -2-
	21 938 R1	PIN, 5/16 X 2-3/8 ZND HEADED -2-
	103 384	PIN, 1/8 X 3/4 COT. -2-
8	56 084 C1	PIN, STABILIZER CYL PIVOT -2-
	21 938 R1	PIN, 5/16 X 2-3/8 ZND HEADED -2-
	103 384	PIN, 1/8 X 3/4 COT. -2-
9	56 085 C1	PIN, STABILIZER PAD PIVOT -2-
	758 318 C1	RING, HD RETAINING -4-
10	56 086 C1	PAD ASSY, STABILIZER -2-
11	57 615 C1	PLATE, MOUNTING -2-
12	57 616 C1	PLATE, BUMPER PAD SPACER

BOOM, BUCKET AND DIPPERSTICK



REF. NO.	PART NUMBER	DESCRIPTION
1	56 093 C1	BOOM ASSY
	57 617 C1	CLAMP -2-
	180 022	SCREW, 1/4-20 X 1 ZND HEX-HD CAP -2-
	120 375	NUT, 1/4-20 ZND HEX. -2-
	120 380	WASHER, 1/4 ZND MED LOCK -2-
2	56 094 C1	PIN, BOOM PIVOT
	109 461	FITTING, 1/8-27 NPT STR LUB
	22 775 R1	PIN, 3/8 X 2-1/2 ZND HEADED
	103 384	PIN, 1/8 X 3/4 COT
3	56 095 C1	PIN, BOOM CYL PIVOT
	21 938 R1	PIN, 5/16 X 2-3/8 ZND HEADED
	103 384	PIN, 1/8 X 3/4 COT.

-4- SECTION L
3082 SERIES A BACKHOE
BKH-1

BOOM, BUCKET AND DIPPERSTICK -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
4	56 096 C1	PIN, BOOM CYL
	21 938 R1	PIN, 5/16 X 2-3/8 ZND HEADED
	103 384	PIN, 1/8 X 3/4 COT.
5	56 097 C1	BUSHING, BOOM & DIPPERSTICK PIVOT -4-
6	56 098 C1	PIN, DIPPERSTICK CYL PIVOT
	21 938 R1	PIN, 5/16 C 2-3/8 ZND HEADED
	103 384	PIN, 1/8 X 3/4 COT
7	56 099 C1	DIPPERSTICK ASSY

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		BOOM, BUCKET AND DIPPERSTICK -CONTINUED	
8	56 100 C1	BUSHING, DIPPERSTICK PIVOT TUBE -2-	
9	56 101 C1	PIN, DIPPERSTICK PIVOT	
	109 461	FITTING, 1/8-27 NPT STR LUB	
	22 775 R1	PIN, 3/8 C 2-1/2 ZND HEADED	
	103 384	PIN, 1/8 X 3/4 COT	
10	56 102 C1	PIN, BUCKET AND DIPPERSTICK CYL -2-	
	21 938 R1	PIN, 5/16 X 2-3/8 ZND HEADED -2-	
	103 384	PIN, 1/8 X 3/4 COT. -2-	
11	56 103 C1	PIN, BUCKET PIVOT	
	21 938 R1	PIN, 5/16 X 2-3/8 ZND HEADED	
	103 384	PIN, 1/8 X 3/4 COT.	
12	56 104 C1	PIN, BUCKET PIVOT -2-	
	109 461	FITTING, 1/8-27 NPT STR LUB	
	21 938 R1	PIN, 5/16 X 2-3/8 ZND HEADED	
	103 384	PIN, 1/8 X 3/4 COT	
13	56 248 C91	CYLINDER ASSY, BUCKET -FOR COMPONENT DETAILS REFER TO BOOM, BUCKET AND DIPPERSTICK CYLINDER LISTING-	
14	56 247 C91	CYLINDER ASSY, BOOM AND DIPPERSTICK -2- -FOR COMPONENT DETAILS REFER TO BOOM, BUCKET AND DIPPERSTICK CYLINDER LISTING-	
15		BUCKET -SERVICED ONLY AS A MACHINE ATTACHMENT-	
16	470 240 R1	SHANK, TOOTH -3- -3 USED FOR 12 IN., 3 USED 16 IN., 4 USED FOR 18 IN., 5 USED FOR 24 IN., TRENCHING BUCKETS-	
17	470 242 R1	POINT, TOOTH -3- -3 USED FOR 12 IN., 3 USED 16 IN., 4 USED FOR 18 IN., 5 USED FOR 24 IN., TRENCHING BUCKETS-	

-5- SECTION L
3082 SERIES A BACKHOE
REF. NO. PART NUMBER DESCRIPTION BKH-1
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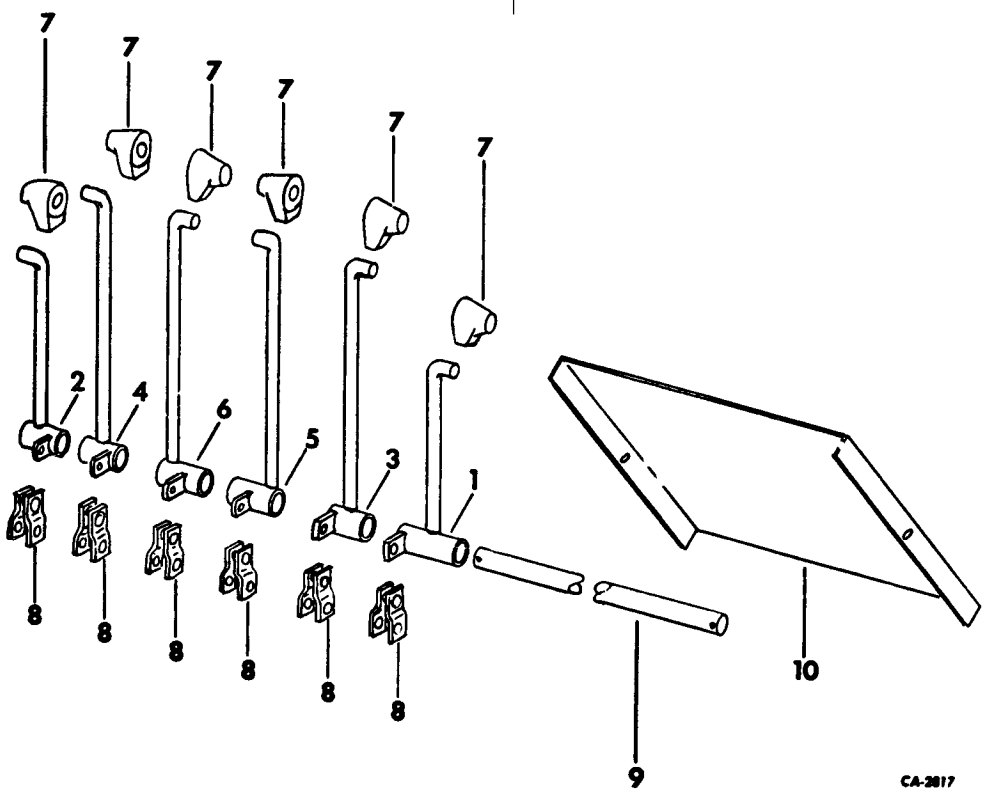
REVISION NO. 18

CONTROLS



REF. NO.	PART NUMBER	DESCRIPTION
1	56 114 C1	LEVER ASSY, RH STAB VALVE
2	56 113 C1	LEVER ASSY, LH STAB VALVE
3	56 116 C1	LEVER ASSY, SWING VALVE
4	56 115 C1	LEVER ASSY, DIPPERSTICK VALVE
5	56 118 C1	LEVER ASSY, BUCKET VALVE
6	56 117 C1	LEVER ASSY, BOOM VALVE
7	379 022 R2	KNOB, HYD VALVE LEVER-6-
8	56 119 C1	LINK, CONNECTING W/COT PINS-6-
9	56 120 C1	ROD, VALVE LEVER PIVOT
	137 185	PIN, COT. -2-
10	56 139 C1	PLATE, VALVE COVER
	23 986 R1	SCREW, 1/4-14 X 1/2 CAD HEX. WASHER HD TAP. -2-
	120 380	WASHER, 1/4 ZND MED LOCK -2-

-6- SECTION L
3082 SERIES A BACKHOE
BKH-1

CONTROLS -CONTINUED

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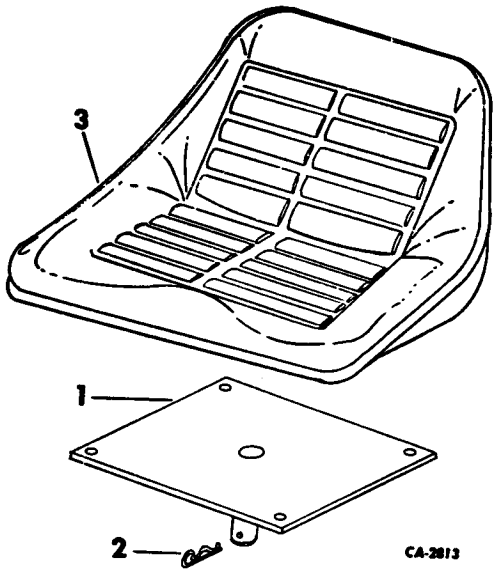
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SEAT AND SUPPORT



1	56 121 C1	PLATFORM ASSY, SEAT
2	540 393 R1	PIN, EXTERNAL SPRING
3	528 844 R1	SEAT ASSY.
	180 078	SCREW, 5/16-18 X 7/8 ZND HEX-HD CAP -4-
	120 214	WASHER, 5/16 ZND MED LOCK -4-

3082 SERIES A BACKHOE -7- SECTION L

REF. NO. PART NUMBER DESCRIPTION BKH-1

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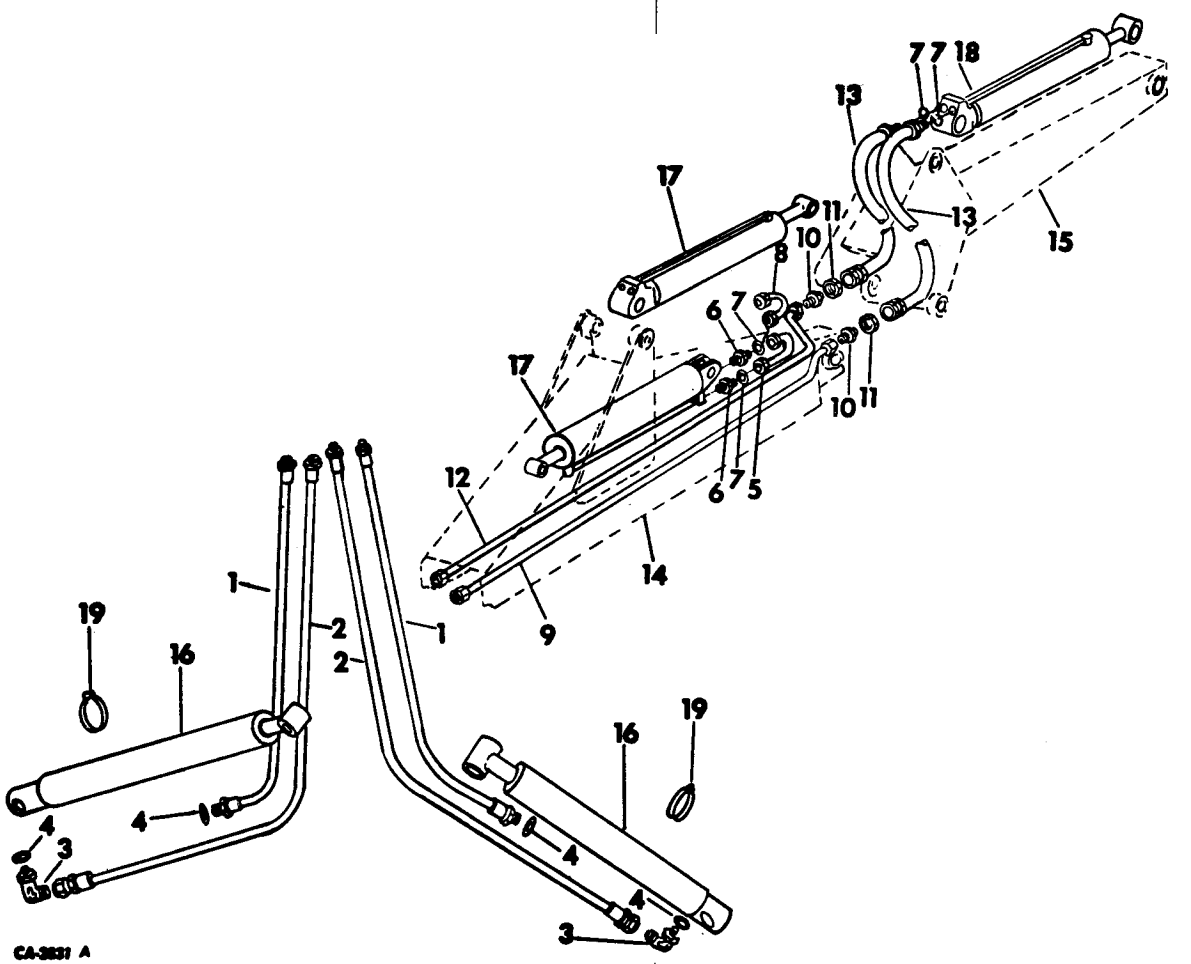
HYDRAULIC CONNECTIONS -FOR BOOM, BUCKET AND STABILIZERS-



REF. NO.	PART NUMBER	DESCRIPTION
1	56 132 C1	HOSE ASSY, TUBE TO ROD SIDE STABILIZER CYLINDER -2-
2	56 133 C1	HOSE ASSY, TUBE TO PISTON SIDE STABILIZER CYLINDER -2-
3	9 410 976	ELBOW, 9/16-18 HYD 37 DEG FLARED TUBE TUBE STR THD 90 DEG -2-
4	364 839 R1	O-RING, 3/8 OD TUBE -4-
5	56 134 C1	TUBE ASSY, HOSE TO ROD SIDE BOOM CYL
6	481 352 R1	UNION, 3/4-16 TO 7/8-14 HYD 37 DEG FLARED TUBE SHORT SWIVEL REDUCER -2-
7	364 885 R1	O-RING, 5/8 OD TUBE -4-
8	56 135 C1	TUBE ASSY, HOSE TO PISTON SIDE BOOM CYL
9	56 137 C1	TUBE ASSY, RH INSIDE BOOM BUCKET CYL RETRACTING

-8- SECTION L
3082 SERIES A BACKHOE
BKH-1

HYDRAULIC CONNECTIONS -FOR BOOM, BUCKET AND STABILIZERS- -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
10	9 403 255	UNION, 3/4-16 HYD 37 DEG FLARED TUBE BULKHEAD -4-
11	9 403 294	NUT, 3/4-16 BULKHEAD UNION LOCK -2-
12	56 136 C1	TUBE ASSY, LH INSIDE BOOM BUCKET CYL EXTENDING
13	56 138 C1	HOSE ASSY, BOOM BULKHEAD TO BUCKET CYL -2-
14		BOOM -REFER TO BOOM, BUCKET AND DIPPERSTICK LISTING-
15		DIPPERSTICK -REFER TO BOOM, BUCKET AND DIPPERSTICK LISTING-
16	56 249 C91	CYLINDER ASSY, STABILIZER -2- -FOR COMPONENT DETAILS REFER TO HYDRAULIC STABILIZER CYLINDER LISTING-

REF. NO.	PART NUMBER	DESCRIPTION
		HYDRAULIC CONNECTIONS -FOR BOOM, -CONTINUED BUCKET AND STABILIZERS-
17	56 247 C91	CYLINDER ASSY, BOOM AND DIPPERSTICK -2- -FOR COMPONENT DETAILS REFER TO BOOM, BUCKET AND DIPPERSTICK CYLINDER LISTING-
18	56 248 C91	CYLINDER ASSY, BUCKET -FOR COMPONENT DETAILS REFER TO BOOM, BUCKET AND DIPPERSTICK CYLINDER LISTING-
19	333 710 R91	CLAMP, HOSE -2-

-9- SECTION L
3082 SERIES A BACKHOE
BKH-1
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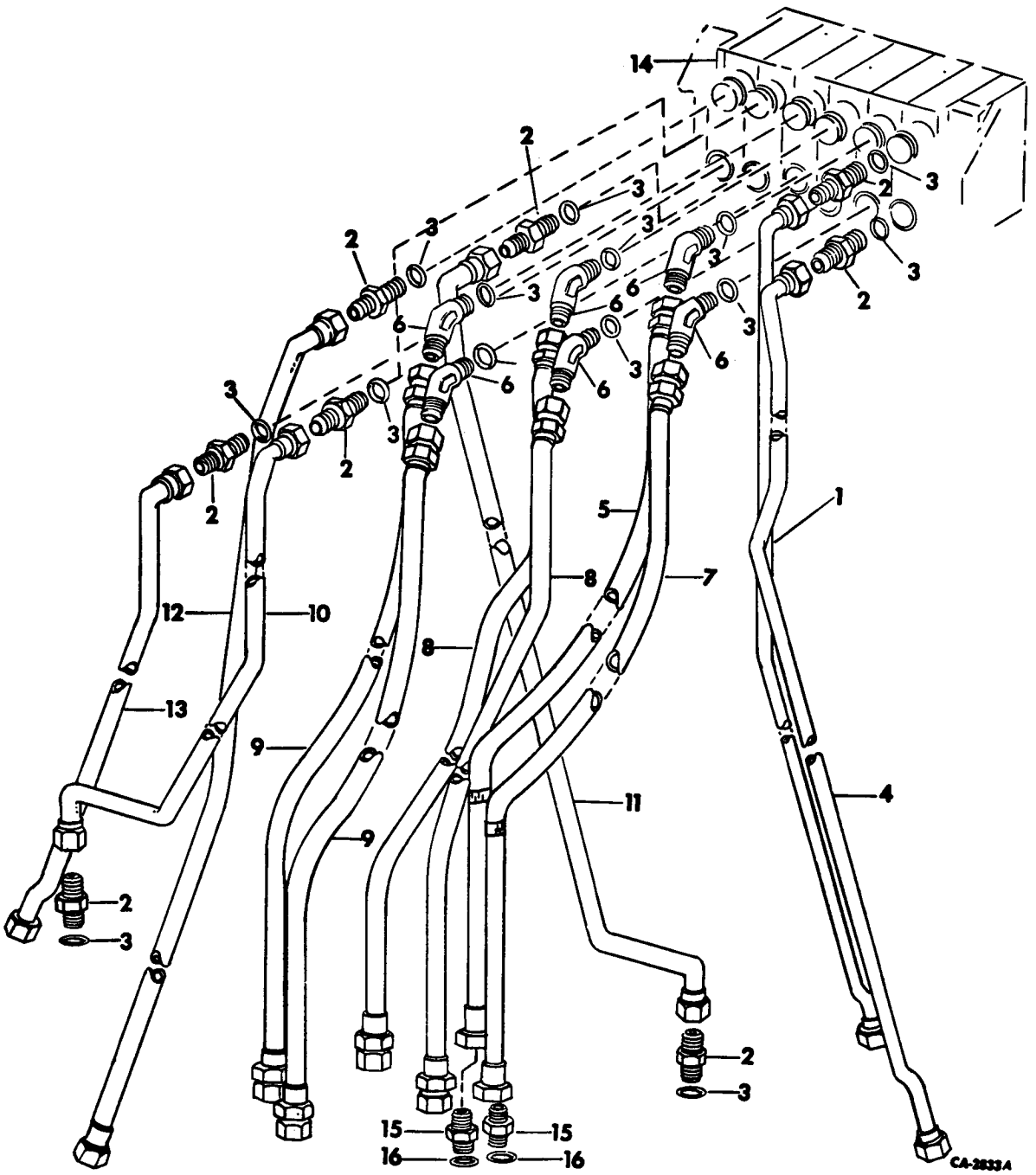
REVISION NO. 18

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS -FOR CONTROL VALVES-



-10- SECTION L
3082 SERIES A BACKHOE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONNECTIONS -FOR CONTROL VALVES- -CONTINUED

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REVISION NO. 18

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -FOR CONTROL -CONTINUED VALVES-	
1	56 122 C1	TUBE ASSY, TOP PORT LH STABILIZER VALVE	
2	9 410 203	UNION, 3/4-16 HYD 37 DEG FLARED TUBE SHORT SWIVEL -8-	
3	570 828 R1	O-RING, 1/2 OD TUBE -14-	
4	56 124 C1	TUBE ASSY, BOTTOM PORT LH STABILIZER VALVE	
5	56 126 C1	HOSE ASSY, TOP PORT DIPPERSTICK VALVE	
6	9 411 105	ELBOW, 3/4-16 HYD 37 DEG FLARED TUBE STR-THD 45 DEG -6-	
7	56 127 C1	HOSE ASSY, BOTTOM PORT DIPPERSTICK VALVE	
8	56 128 C1	HOSE ASSY, BOOM VALVE -2-	
9	56 129 C1	HOSE ASSY, BUCKET VALVE -2-	
10	56 130 C1	TUBE ASSY, TOP PORT SWING VALVE	
11	56 131 C1	TUBE ASSY, BOTTOM PORT SWING VALVE	
12	56 123 C1	TUBE ASSY, TOP PORT RH STABILIZER VALVE	
13	56 125 C1	TUBE ASSY, BOTTOM PORT RH STABILIZER VALVE	
14		VALVE BANK ASSY, HYDRAULIC -FOR COMPONENT DETAILS REFER TO LIST OF PARTS UNDER DETAILS OF HYDRAULIC CONTROL VALVE-	
	180 145	SCREW, 7/16-14 X 1 ZND HEX-HD CAP -3	
	120 383	WASHER, 7/16 ZND MED LOCK -3-	
15	481 352 R1	UNION, 3/8-16 TO 7/8-14 37 DEG FLARED SHORT SWIVEL REDUCER -2-	
16	364 885 R1	O-RING, 5/8 OD TUBE -2-	

3082 SERIES A BACKHOE -11- SECTION L

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

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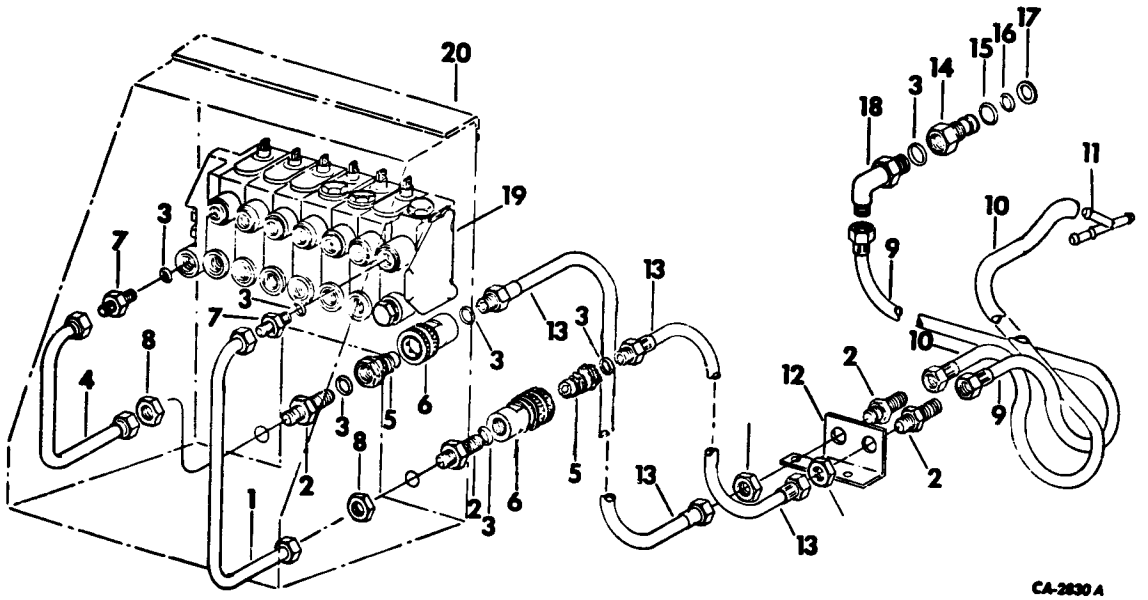
POWER SUPPLY



REF. NO.	PART NUMBER	DESCRIPTION
1	56 243 C1	TUBE ASSY, CONSOLE BULKHEADTO BACKHOE VALVE BANK PRESSURE-
2	9 403 256	UNION, 7/8-14 HYD 37 DEG FLARED TUBE BULKHEAD -4-
3	364 885 R1	O-RING, 5/8 OD TUBE -7-
4	56 242 C1	TUBE ASSY, CONSOLE BULKHEAD TO BACKHOE VALVE BANK RETURN
5	395 149 R1	COUPLING ASSY, HYD SELF SEALING -2-
6	395 150 R91	COUPLING ASSY, HYD SELF SEALING -2-
7	9 410 204	UNION, 7/8-14 HYD 37 DEG FLARED TUBE SHORT SWIVEL -2-
8	9 403 295	NUT, 7/8-14 BULKHEAD UNION LOCK -4-
9	56 144 C1	HOSE ASSY, BACKHOE PRESSURE -TRACTOR W/O AUX VALVE-
10	56 145 C1	HOSE ASSY, BACKHOE RETURN -TRACTOR W/O AUX VALVE-
11	537 898 R1	FITTING, LATERAL WYE -TRACTOR W/O AUX VALVE-
	168 802 H1	CLAMP, NO. 10 HOSE-BACKHOE -3-
12	56 147 C1	BRACKET, REAR POWER BEYOND -TRACTOR W/O AUX VALVE-
13	56 148 C1	HOSE ASSY, BULKHEAD TO BACKHOE -2-
14	537 377 R1	PLUG ASSY, PRESSURE BEYOND -TRACTOR W/O AUX VALVE-
15	379 181 R1	O-RING, 5/8 X 3/4 X 1/16 -TRACTOR W/O AUX VALVE-
16	252 707 R1	O-RING, 3/4 X 15/16 3/32 -TRACTOR W/O AUX VALVE-
17	387 434 R1	WASHER, BACK-UP -TRACTOR W/O AUX VALVE-
18	9 410 978	ELBOW, 7/8-14 HYD 37 DEG FLARED TUBE ADJ STR-THD 90 DEG -TRACTOR W/O AUX VALVE-
19		VALVE BANK ASSY, HYDRAULIC -FOR COMPONENT DETAILS REFER TO HYDRAULIC CONTROL VALVE LISTING-
20		MOUNTING, -A- FRAME ASSY -REFER TO MAIN FRAME AND STABILIZER LISTING-

-12- SECTION L
3082 SERIES A BACKHOE
BKH-1

POWER SUPPLY -CONTINUED

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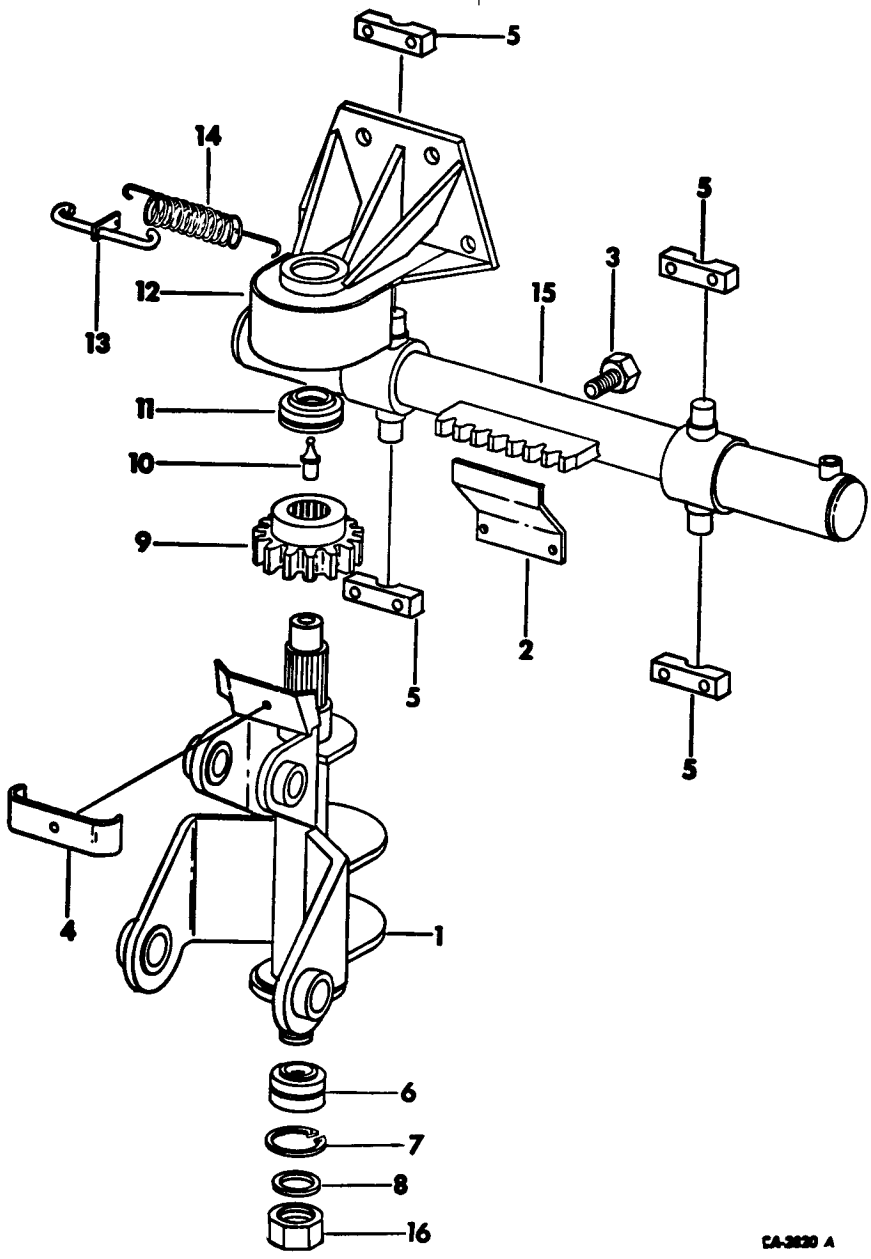
REVISION NO. 18

SWING MECHANISM AND CYLINDER



CA-3220 A

REF. NO.	PART NUMBER	DESCRIPTION
1	56 105 C1	SWING ASSY
2	56 106 C1	PLATE, CYL RACK ADJUSTING
	17 351 R1	BOLT, 3/8-16 X 1 SHORT SQ-NK-CRG-2-
	120 377	NUT, 3/8-16 ZND HEX -2-
	120 382	WASHER, 3/8 ZND MED LOCK -2-

-13- SECTION L
3082 SERIES A BACKHOE
BKH-1

SWING MECHANISM AND CYLINDER -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
3	471 370 R1	SCREW,3/4-10 X 2-1/4 ZND HEX-HD CAP FULL THD
		SWING CYL THRUST SUPPORT
	220 086	NUT, 3/4-10 ZND HEX
4	56 107 C1	CLAMP, HOSE
	180 124	SCREW, 3/8-16 X 1-1/4 ZND HEX-HD CAP
	120 382	WASHER, 3/8 ZND MED LOCK

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		SWING MECHANISM AND CYLINDER -CONTINUED	
5	56 108 C1	BLOCK, SWING CYL MOUNTING-4-	
	180 175	SCREW, 1/2-13 X 1-3/4 ZND HEX-HD CAP-8-	
	120 384	WASHER, 1/2 ZND MED LOCK -8-	
6	545 222 R91	BUSHING, 1-3/4 BORE LOWER BALL	
7	468 337 R1	RING, LOWER BUSHING RETAINING	
8	56 110 C1	WASHER, 1.265 X 2.03 X .25 FLAT	
9	56 109 C1	GEAR, 15 T SWING SHAFT	
	426 374	SCREW, 3/8-16 X 1/2 ZND HEADLESS HEX. SOCKET SET	
10	109 461	FITTING, 1/8-27NPT STRAIGHT LUB	
11	167 081 H1	BUSHING, 1-1/2 BORE UPPER BALL	
12	56 111 C1	SUPPORT ASSY, SWING SHAFT UPPER	
	22 854 R1	SCREW, 3/4-10 X 2-3/4 ZND HEX-HD CAP GR 8 -4-	
	395 793 C1	NUT, 3/4-10 GR 8 HEX LOCK -4-	
13	56 112 C1	RETAINER ASSY, HOSE	
14	57 626 C1	SPRING, HOSE RETAINING	
	137 218	PIN, COTTER	
15	56 246 C91	CYLINDER, SWING -FOR COMPONENT DETAILS REFER TO HYDRAULIC SWING CYL LISTING-	
16	118 489 R1	NUT, 1-1/4-12 NYLON INSERT	

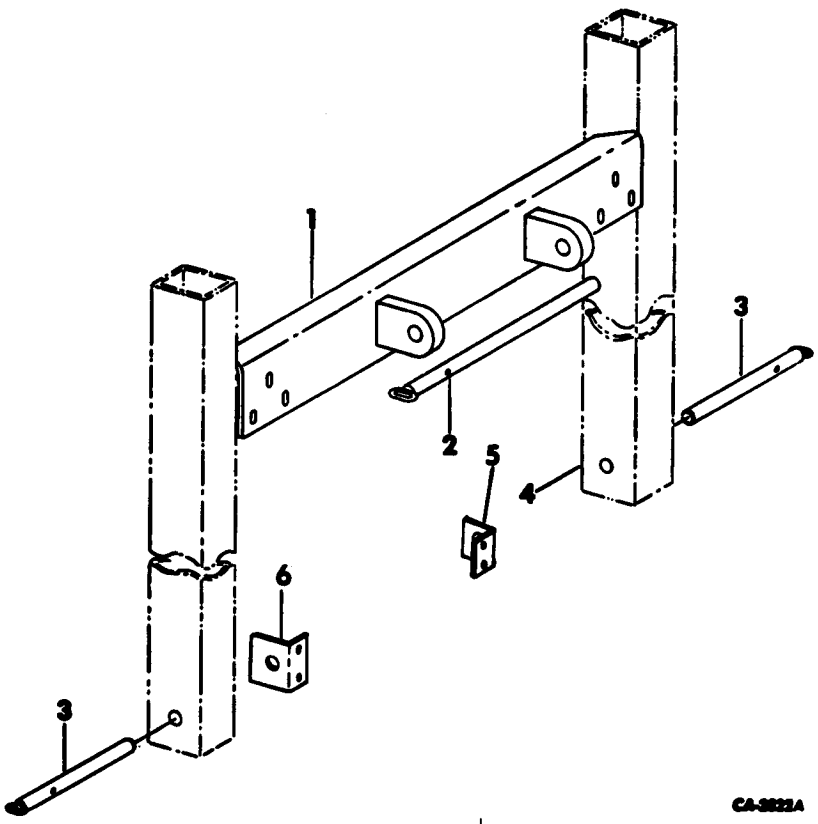
3082 SERIES A BACKHOE -14- SECTION L

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 18

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

MOUNTING BRACKET AND PINS
-3200 SERIES A LOADER TRACTOR-



1	56 089 C1	BRACKET ASSY, UPPER MOUNTING	
	180 177	SCREW, 1/2-13 X 1-1/2 ZND HEX-HD CAP -6-	
	121 592	NUT, 1/2-13 ZND HEX. -6-	
	120 384	WASHER, 1/2 MED LOCK -6-	
	56 090 C1	WASHER, SPECIAL BRACKET -6-	
2	56 091 C1	PIN ASSY, UPPER LINK	
	22 775 R1	PIN, 3/8 X 2-1/2 ZND HEADED	
	475 579 R1	PIN, EXTERNAL SPRING	
3	56 092 C1	PIN ASSY, LOWER LINK -2-	
	21 956 R1	PIN, 1/4 X 2-1/4 ZND HEADED -2-	
	585 614 R1	PIN, EXTERNAL SPRING	
4		FRAME ASSY, MAIN -REFER TO TC-152 PARTS CATALOG-	
5	57 621 C1	BRACKET, LH LOWER PIN SUPPORT	
6	57 622 C1	BRACKET, RH LOWER PIN SUPPORT	
	180 126	SCREW, 3/8-24 X 1-1/2 ZND HEX-HD CAP -4-	
	120 382	WASHER, 3/8 ZND MED LOCK -4-	
	120 394	WASHER, 3/8 FLAT	

-15- SECTION L
3082 SERIES A BACKHOE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

MOUNTING BRACKET AND PINS -CONTINUED
-3200 SERIES A LOADER TRACTOR-

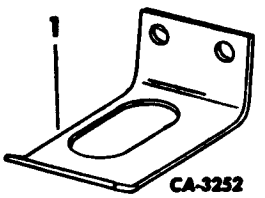
MOUNTING HARDWARE
-FOR TRACTORS W/CATEGORY I OR CATEGORY II HITCHES-

	56 239 C1	PIN, CAT I LOWER HITCH -2-
	56 240 C1	BUSHING, CAT I LOWER HITCH -4-
	56 237 C1	PIN, CAT II LOWER HITCH -2-
	57 619 C1	BRACKET, UPPER LINK MTG

PRINTED IN UNITED STATES OF AMERICA
REVISION NO. 18

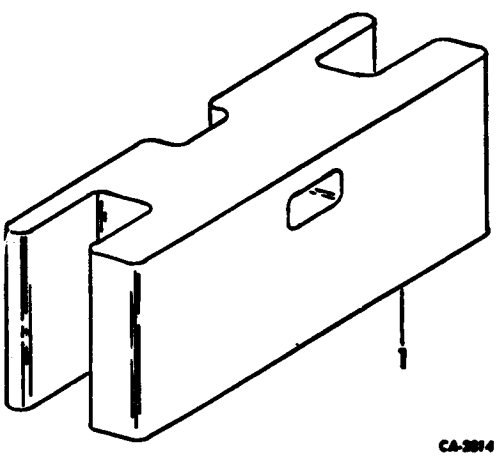
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

THROTTLE STOP



1	57 623 C1	STOP, THROTTLE	
	450 644	SCREW, NO. 8-32 X 3/8 HEX-HD MACH-2-	
	121 841	WASHER, NO. 8 MED LOCK -2-	
	120 622	NUT, NO. 8-32 HEX -2-	
	57 620 C1	TAPE SAFETY TREAD -2-	
		-USED ON LOADER BOOM-	

COUNTERWEIGHT



1		COUNTERWEIGHT -3-	
		-SERVICED AS A MACHINE ATTACHMENT-	

-16- SECTION L
3082 SERIES A BACKHOE

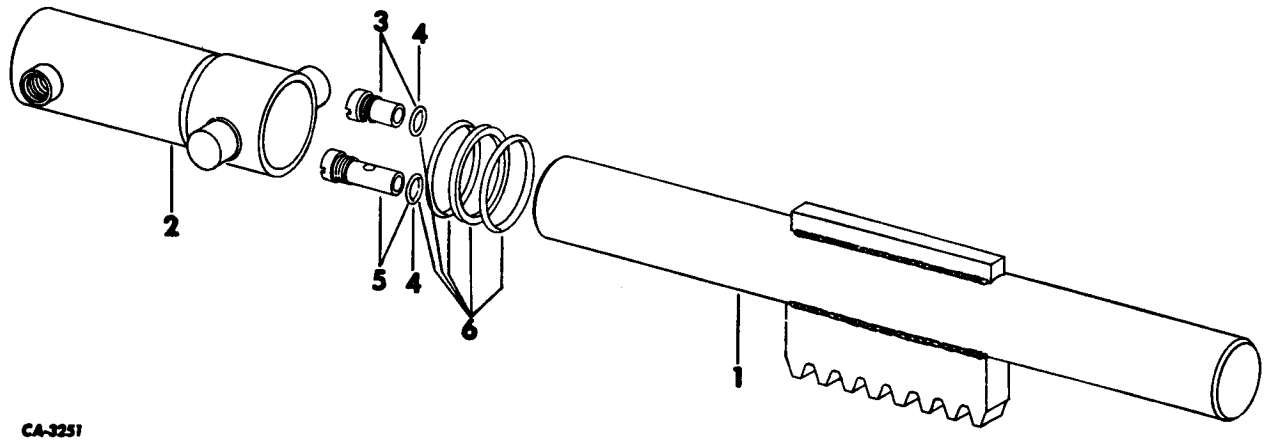
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

PRODUCT GRAPHICS

	56 059 C91	PACKAGE, PRODUCT GRAPHIC
		-CONSISTS OF
		$ PRODUCT GRAPHIC, SERIES A
		$ PRODUCT GRAPHIC, BACKHOE LH STAB CONTROL
		$ PRODUCT GRAPHIC, BACKHOE RH STAB CONTROL
		$ PRODUCT GRAPHIC, BACKHOE DIPPERSTICK CONTROL
		$ PRODUCT GRAPHIC, BACKHOE BUCKET CONTROL
		$ PRODUCT GRAPHIC, BACKHOE SWING CONTROL
		$ PRODUCT GRAPHIC, BACKHOE BOOM CONTROL
	547 496 R91	PACKAGE, PRODUCT GRAPHIC INTERNATIONAL
		-CONSISTS OF
		$ PRODUCT GRAPHIC, INTERNATIONAL -2-
		$ PRODUCT GRAPHIC, INTERNATIONAL -2-
		$ PRODUCT GRAPHIC, INTERNATIONAL -2-
		$ PRODUCT GRAPHIC, INTERNATIONAL -2-
	547 494 R91	PACKAGE, PRODUCT GRAPHIC IH SERVICE
		$ PRODUCT GRAPHIC IH TRADEMARK -2-
		$ PRODUCT GRAPHIC IH TRADEMARK -2-
		$ PRODUCT GRAPHIC IH TRADEMARK -2-
	547 498 R91	PACKAGE, PRODUCT GRAPHIC MODEL DESIGNATION
		-CONSISTS OF
		$ PRODUCT GRAPHIC, MODEL DESIGNATION -2-
		$ PRODUCT GRAPHIC, MODEL DESIGNATION -2-

BKH-1

SWING CYLINDER



CA-3251

REF. NO.	PART NUMBER	DESCRIPTION
	56 246 C91	CYLINDER ASSY, SWING -2-3/4 X 8 IN. SINGLE ACTING-
1	58 090 C1	ROD ASSY, PISTON
2	58 091 C1	BARREL ASSY -2-
3	57 902 C91	VALVE ASSY W/O-RINGS
4	252 707 R1	O-RING, 3/32 X 3/4 -2-
5	57 903 C91	VALVE ASSY W/O-RING
6	58 092 C91	KIT, SEAL REPAIR SERVICE

3082 SERIES A BACKHOE -17- SECTION L

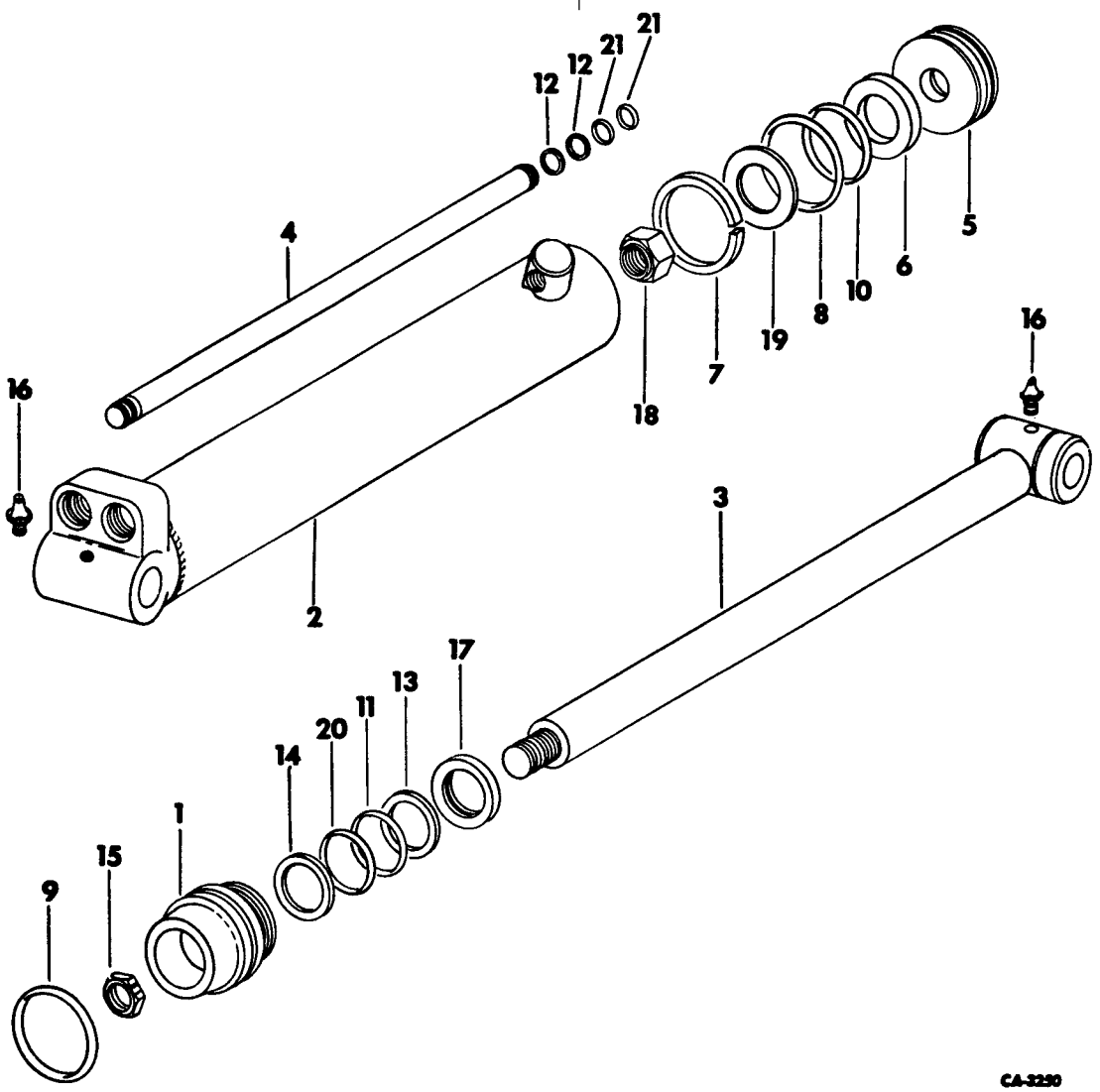
BKH-1

SWING CYLINDER -CONTINUED

PRINTED IN UNITED STATES OF AMERICA REVISION NO. 18

BKH-1

BOOM, BUCKET AND DIPPERSTICK CYLINDER



REF. NO.	PART NUMBER	DESCRIPTION
	56 247 C91	CYLINDER ASSY, BOOM AND DIPPERSTICK -2- -3 X 18-1/2 IN. DOUBLE ACTING- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT A-
	56 248 C91	CYLINDER ASSY, BUCKET -3 X 19 IN. DOUBLE ACTING- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT B-
1	58 043 C1	BEARING, CYL
2	58 044 C1	BARREL ASSY
3	58 042 C1	ROD ASSY, CYL
4	58 040 C1	TUBE, ROD SIDE
5	58 041 C1	PISTON, CYL

-18- SECTION L
3082 SERIES A BACKHOE

BKH-1

BOOM, BUCKET AND DIPPERSTICK CYLINDER -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
6	57 959 C1	SPACER -UNIT A-
7	58 069 C1	RING, WEAR
8	22 409 R1	O-RING, 1/8 X 2-5/8
9	254 091 R1	O-RING, 1/8 X 2-3/4
10	343 909 R1	O-RING, 1/8 X 1-1/2
11	22 288 R1	O-RING, 3/16 X 1-1/2
12	58 117 C1	WASHER, BACK-UP -2-
13	58 118 C1	WASHER, BACK-UP
14	58 119 C1	WASHER, BACK-UP

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	BOOM, BUCKET AND DIPPERSTICK CYLINDER -CONTINUED		
15	58 124 C1	NUT, 2-3/4 - 16 BRG	
16	109 461	FITTING, 1/8-27 NPT STR -2-	
17	58 121 C1	SEAL, 1-1/2 DIA WIPER	
18	58 123 C1	NUT, 7/8-14 THIN STOVER	
19	58 126 C1	RING, PISTON	
20	935 567 R1	RING, LOCK	
21	352 221 R1	O-RING, 3/32 X 9/16 -2-	
	57 948 C91	KIT, SEAL REPAIR SERVICE -CONSISTS OF REF NOS. 7, 8, 9, 10, 11, 12, 13, 14, 17, 19, 20 AND 21-	

3082 SERIES A BACKHOE -19- SECTION L

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

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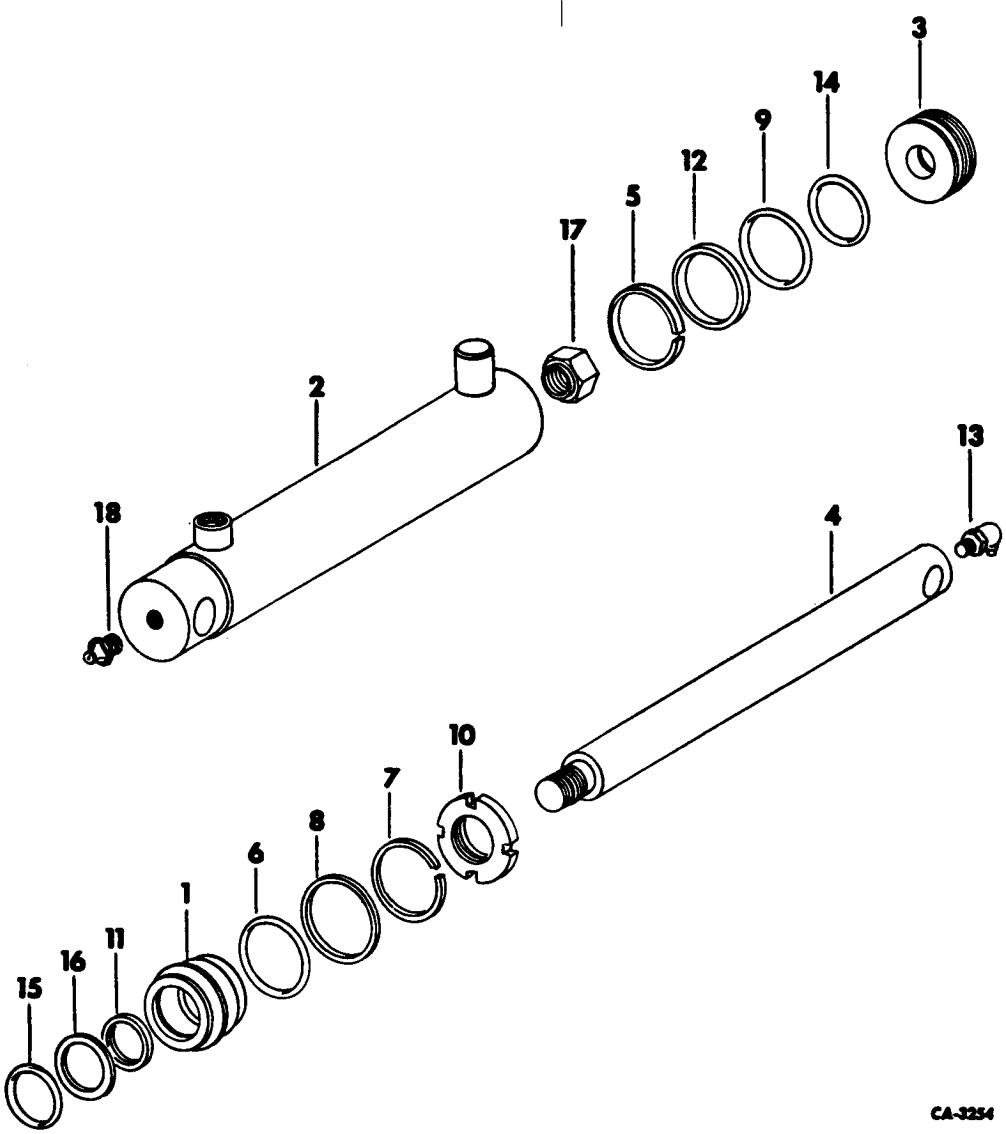
STABILIZER CYLINDER



CA-3254

REF. NO.	PART NUMBER	DESCRIPTION
	56 249 C91	CYLINDER ASSY, STABILIZER -2--2-1/2 X 13-1/4 IN. DOUBLE ACTING-
1	58 053 C1	BEARING, CYL
2	58 054 C1	BARREL ASSY, CYL
3	58 055 C1	PISTON, CYL
4	58 056 C1	ROD, CYL
5	58 094 C1	RING, WEAR
6	293 726 R1	O-RING, 1/8 X 2-1/4
7	58 070 C1	RING, LOCK
8	58 120 C1	WASHER, BACK-UP
9	379 457 R1	O-RING, 3/32 X 2-3/16
10	58 125 C1	NUT, 2-1/4 - 16 BRG
11	58 122 C1	SEAL, 1-1/2 WIPER
12	58 127 C1	RING, PISTON
13	109 462	FITTING, 1/8-27 90 DEG
14	343 909 R1	O-RING, 1/8 X 1-1/2
15	22 288 R1	O-RING, 3/16 X 1-1/2
16	58 118 C1	WASHER, BACK-UP
17	58 123 C1	NUT, 7/8-14 THIN STOVER
18	109 461	FITTING, 1/8-27 NPT STR
	58 093 C91	KIT, SEAL REPAIR SERVICE -CONSISTS OF REF NOS. 5, 6, 7, 8, 9, 11, 12, 14, 15 AND 16-

-20- SECTION L
3082 SERIES A BACKHOE
BKH-1

STABILIZER CYLINDER -CONTINUED

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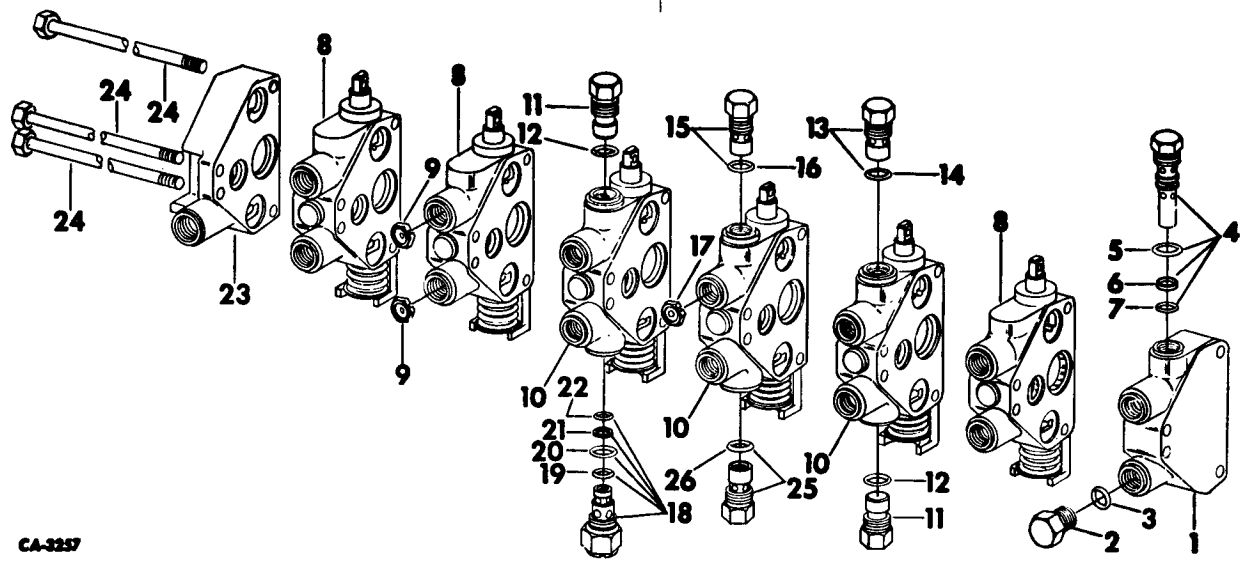
REVISION NO. 18

HYDRAULIC CONTROL VALVE

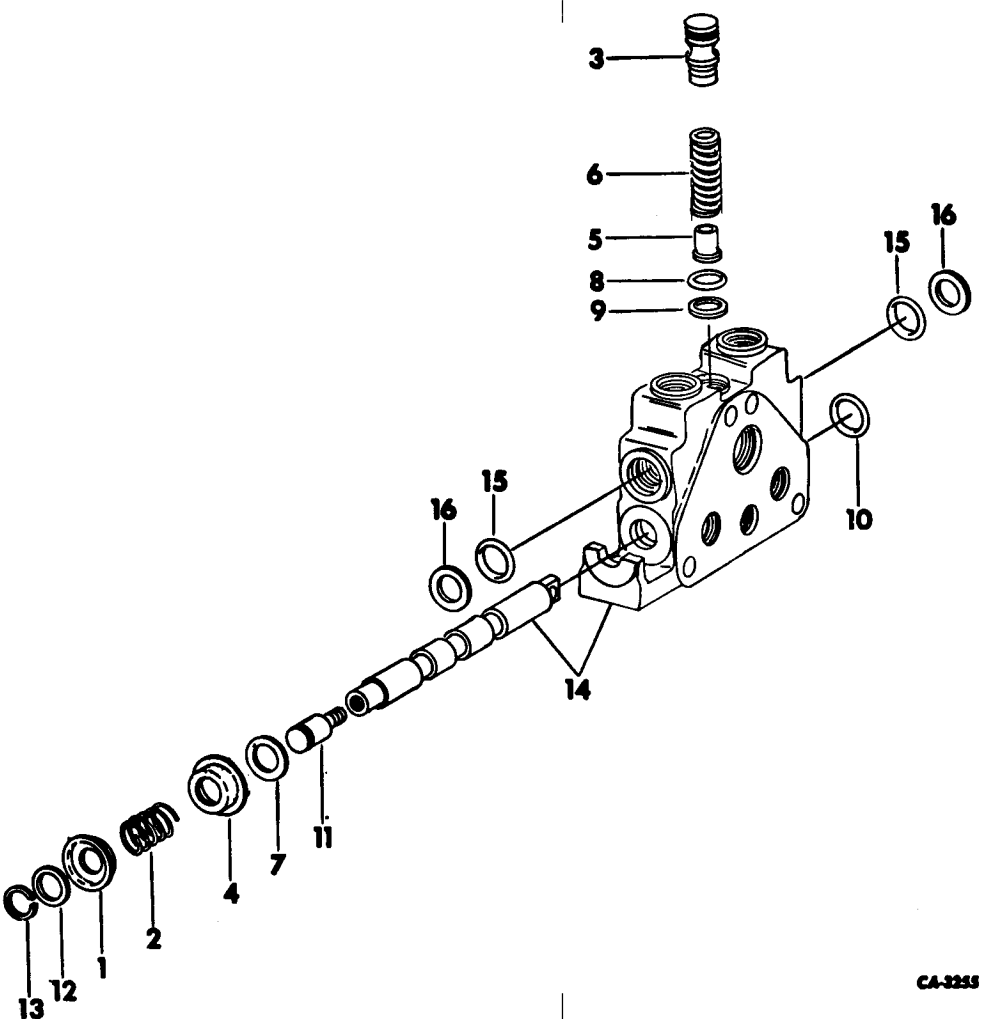


REF. NO.	PART NUMBER	DESCRIPTION
1	58 057 C1	VALVE, SECTION INLET
2	9 410 360	PLUG, 7/8-14 HEX.
3	364 885 R1	O-RING, 3/32 X 3/4
4	673 643 R91	VALVE ASSY, W/O-RINGS & BACK-UP WASHERS SYSTEM RELIEF
5	252 707 R1	O-RING, 3/32 X 3/4
6	673 644 R1	WASHER, BACK-UP
7	350 429 R1	O-RING, 3/32 X 5/8
8	58 064 C1	VALVE SECTION ASSY, STABILIZER AND SWING -3- -FOR COMPONENT DETAILS REFER TO VALVE SECTION LISTING-
9	58 131 C1	ORIFICE, .0635 DIA. -2-
10	58 065 C1	VALVE SECTION ASSY, BOOM, BUCKET AND DIPPERSTICK -3- -FOR COMPONENT DETAILS REFER TO VALVE SECTION LISTING-
11	58 059 C1	PLUG, RELIEF VALVE CAVITY -2-
12	252 707 R1	O-RING, 3/32 X 3/4 -2-
13	57 900 C91	VALVE ASSY W/O-RING, RELIEF
14	252 707 R1	O-RING, 3/32 X 3/4
15	57 901 C91	VALVE ASSY W/O-RING, RELIEF
16	252 707 R1	O-RING, 3/32 X 3/4
17	58 132 C1	ORIFICE, .1360 DIA.

HYDRAULIC CONTROL VALVE -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
18	57 904 C91	VALVE ASSY W/O RING & BACK-UP WASHER, RELIEF
19	350 429 R1	O-RING, 3/32 X 5/8
20	252 707 R1	O-RING, 3/32 X 3/4
21	58 538 C1	WASHER, BACK-UP
22	352 219 R1	O-RING, 1/16 X 1/4
23	58 058 C1	VALVE, SECTION OUTLET
24	58 130 C1 120 382	BOLT, 3/8 X 10.87 HEX. -4- WASHER, 3/8 MED LOCK -4-
25	59 311 C1	VALVE ASSY W/O-RING, RELIEF
26	252 707 R1	O-RING, 3/32 X 3/4
	58 087 C91	KIT, O-RING REPAIR -FOR SERVICE REPLACEMENT OF O-RINGS AND WASHERS BETWEEN VALVE SECTIONS AND INLET SECTIONS-

VALVE SECTION



CA-3255

REF. NO.	PART NUMBER	DESCRIPTION
	58 065 C1	VALVE SECTION ASSY -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT A-
	58 064 C1	VALVE, SECTION ASSY -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT B-
1	613 602 R1	WASHER, SHALLOW
2	613 598 R1	SPRING, SPOOL
3	58 052 C1	BODY, LIFT CHECK
4	387 435 R1	WASHER, DEEP
5	387 436 R1	PLUNGER, LIFT CHECK
6	387 437 R1	SPRING, LIFT CHECK
7	350 429 R1	O-RING, 3/32 X 5/8
8	371 544 R1	O-RING, 1/16 X 9/16
9	58 116 C1	WASHER, BACK-UP
10	592 674 R1	O-RING, 1/8 X 5/8

VALVE SECTION -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
11	58 051 C1	SCREW, SPOOL
12	387 439 R1	WASHER, SPOOL
13	370 290 R1	RING, 1/2 EXT SNAP
14		BODY AND SPOOL -NOT SERVICED SEPERATELY ORDER VALVE SECTION ASSY-
15	252 707 R1	O-RING, 3/32 X 3/4 -2- -UNIT A-
16	58 128 C1	WASHER, BACK-UP -2- -UNIT A-
	58 089 C91	KIT, SEAL REPAIR -FOR USE W/SECTION 58 065 C1- -CONSISTS OF REF NOS. 7, 8, 9, 10, 15 AND 16-
	58 088 C91	KIT, O-RING REPAIR -FOR USE W/SECTION 58 064 C1- -CONSISTS OF REF NOS. 7, 8, 9 AND 10-

BKH-1

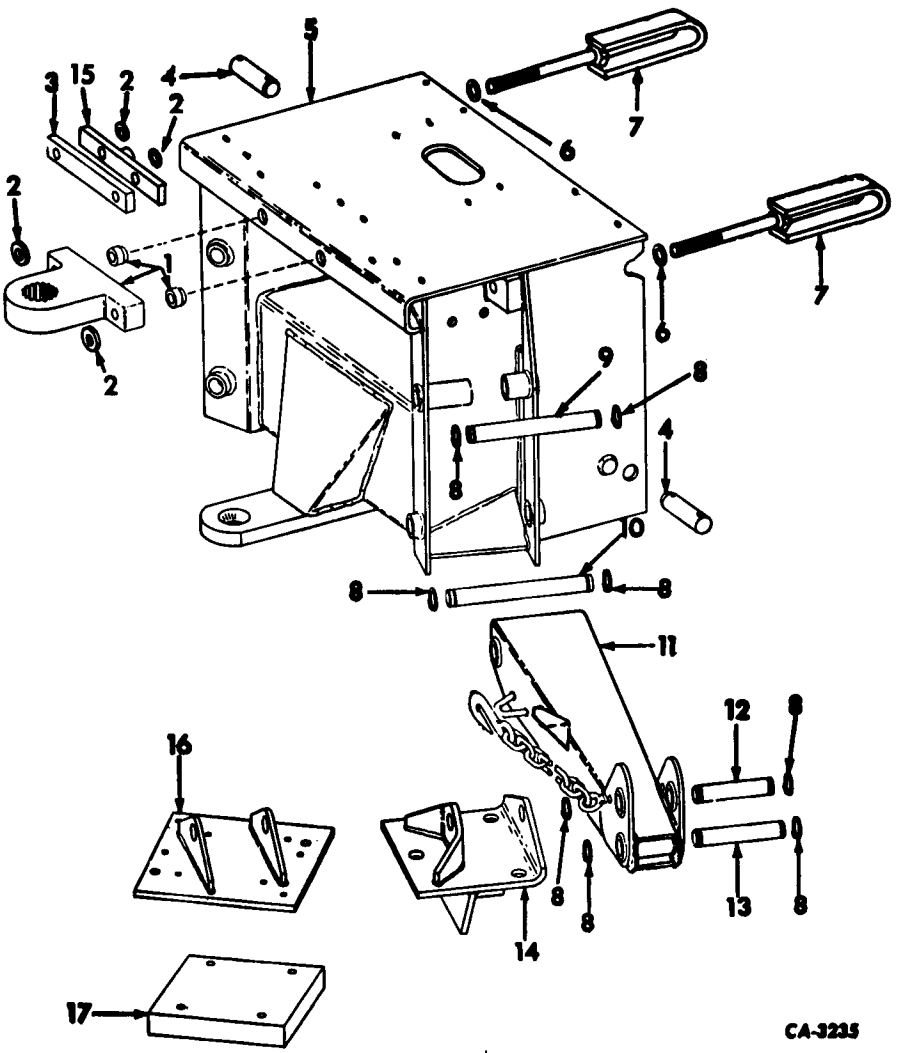
INTERNATIONAL 1622 TRUCK-BACKHOE
Built 1972 and Since

International 1622 Backhoe shown in transport position mounted on International 1600 LOADSTAR truck

INDEX TO UNITS BKH-1

DESCRIPTION	Gp	Pg	Grid
BED, Truck		8	10 C8
BOOM		5	10 C5
BUCKETS		5	10 C5
CARRIER		8	10 C8
CYLINDERS, Hydraulic		25	10 D11
DIPPERSTICK		5	10 C5
ELECTRICAL CONNECTIONS, Truck Frame		20	10 D6
FILTER, Oil		29	10 E2
FLOOR PLATE, Control		12	10 C12
FRAME, Main		3	10 C3
HINGE, Frame		8	10 C8
HYDRAULIC CONNECTIONS		5	10 C5
Basic		17	10 D3
Stabilizer Check		28	10 E1
LEVERS, Control		12	10 C12
LIGHT, Backhoe Main Frame		33	10 E6
OIL TANK, Hydraulic		8	10 C8
POWER SUPPLY, Hydraulic		18	10 D4
POWER TAKE-OFF		34	10 E7
PRODUCT GRAPHICS		35	10 E8
SEAT		14	10 C14
STABILIZER		3	10 C3
SUPPORT, Seat		14	10 C14
SWING MECHANISM		10	10 C10
THROTTLE, Control		32	10 E5
TRUCK BED		8	10 C8
TUBE			
Valve Bank		15	10 D1
VALVES			
Check, Stabilizer		27	10 D13
Control		22	10 D8
Diverter		30	10 E3
Pilot Relief		24	10 D10
Three Position Spring Centered		23	10 D9
Tilt Control		31	10 E4
VALVE BANK, Control		15	10 D1

MAIN FRAME AND STABILIZERS



CA-3235

REF. NO.	PART NUMBER	DESCRIPTION
1	545 214 R91	MOUNT W/PILOTS, TOP SWING
	289 757 R1	SCREW, 7/8-9 X 4-1/4 TYPE 8 HEX-HD CAP -2-
2	384 697 R1	WASHER, .906 X 1.75 X .164 -4-
3	468 388 R2	BAR, BACK-UP TOP SWING MOUNT
4	543 330 R1	PIN, MAINFRAME LOCKING -2-
	621 006 C1	PIN, QUICK ATTACHING LOCK -4-
5	481 688 R91	FRAME ASSY, MAIN
6	470 459 R1	WASHER, 1-1/16 X 2 X 10 GA -2- -USE 1 ON EACH FRAME MOUNTING EYEBOLT ASSY-
7	473 651 R93	BOLT ASSY, MOUNTING EYE -2-
	220 088	NUT, 1-8 ZND HEX. -2-
	426 899	NUT, 1-8 ZND HEX. JAM -2-
8	468 283 R1	RING, EXTERNAL RETAINING -16-
9	468 638 R2	PIN, STABILIZER CYL TO MAIN FRAME -2-
10	468 635 R2	PIN, STABILIZER TO MAIN FRAME -2-
11	468 655 R14	STABILIZER ASSY, RIGHT
11	468 656 R14	STABILIZER ASSY, LEFT
12	468 637 R1	PIN, STABILIZER TO CYL -2-
13	468 636 R1	PIN, STABILIZER TO PAD ASSY -2-
14	468 392 R11	PAD ASSY, BACKHOE STABILIZER TRENCHING -2-
15	484 483 R1	BAR, BACK-UP OUTER TOP SWING MOUNT
	21 021 R1	SCREW, 7/8-9 X 5-1/2 TYPE 8 HEX-HD CAP -2-
	19 925 R1	NUT, 7/8-9 TYPE 8 HEX. -2-

TRUCK-BACKHOE -3- SECTION M
BKH-1

MAIN FRAME AND STABILIZERS -CONTINUED

PRINTED IN UNITED STATES OF AMERICA
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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		MAIN FRAME AND STABILIZERS -CONTINUED	
16	469 103 R92	PAD ASSY, STABILIZER SOD LH	
16	469 104 R92	PAD ASSY, STABILIZER SOD RH	
17	544 015 R1	PAD, STABILIZER STREET -2-	
	271 767	SCREW, 3/4-10 X 1-1/2 ZND HEX-HD CAP -8-	
	131 046	WASHER, 3/4 ZND MED LOCK -8-	
	220 086	NUT, 3/4-10 ZND HEX -8-	

TRUCK-BACKHOE -4- SECTION M

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

PRINTED IN UNITED STATES OF AMERICA
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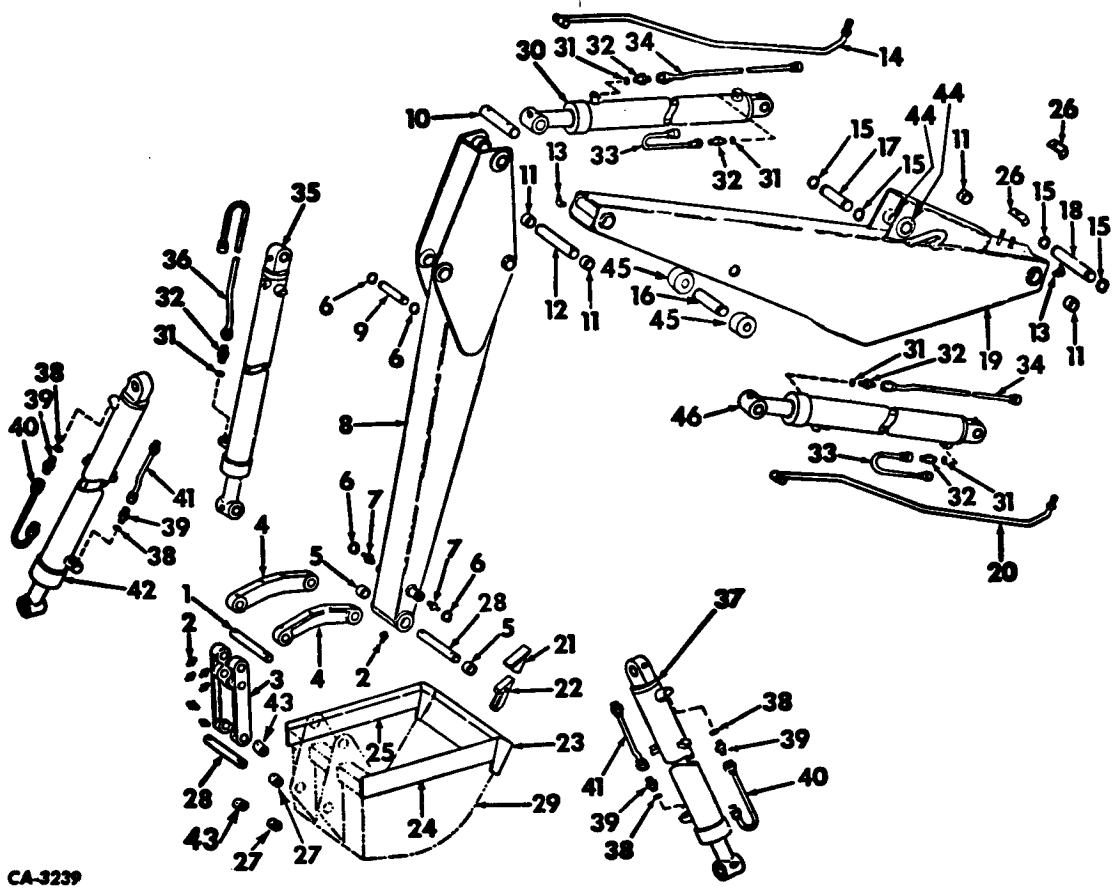
BOOM, BUCKET, DIPPERSTICK, HYDRAULIC CYLINDERS & CONNECTIONS



REF. NO.	PART NUMBER	DESCRIPTION
1	468 284 R3	PIN, FORWARD BUCKET LINK
	187 988	PIN, 3/16 X 1-1/4 C-Z COT. -4-
	472 713 R1	PIN, 1/2 X 2-9/16 STD-HD -4-
1	542 664 R1	PIN, CYL LINK -FOR USE W/13 IN. BUCKET-
	472 713 R1	PIN, 1/2 X 2-9/16 STD HD -2-
	187 988	PIN, 3/16 X 1-1/4 C-Z COT. -2-
2	109 461	FITTING, 1/8-27 PTF STR LUB -7-
3	468 289 R1	LINK, REAR BUCKET
4	468 285 R2	LINK, FORWARD BUCKET LH
4	493 398 R1	LINK, FORWARD BUCKET RH
	187 988	PIN, 3/16 X 1-1/4 C-Z COT. -2-
	472 712 R1	PIN, 1/2 X 3-9/16 STD-HD -2-
5	468 280 R1	BUSHING, LINK PIVOT -2-
6	468 283 R1	RING, BUCKET LINK PIVOT SHAFT EXT SNAP -4-
7	109 461	FITTING, 1/8-27 PTF STR LUB -2-
8	545 234 R91	DIPPERSTICK ASSY
9	545 245 R1	PIN, BUCKET CYLINDER PIVOT

-5- SECTION M
TRUCK-BACKHOE
BKH-1

BOOM, BUCKET, DIPPERSTICK, HYDRAULIC -CONTINUED
CYLINDERS & CONNECTIONS

REF. NO.	PART NUMBER	DESCRIPTION
10	545 244 R1	PIN, DIPPERSTICK TO CROWD CYL
	187 988	PIN, 3/16 X 1-1/4 C-Z COT. -2-
	472 714 R1	PIN, 1/2 X 3-3/8 STD-HD -2-
11	468 366 R1	BUSHING, BOOM PIVOT CARRIER -4-
12	545 243 R1	PIN, DIPPERSTICK PIVOT
	187 988	PIN, 3/16 X 1-1/4 C-Z COT. -2-
	472 712 R1	PIN, 1/2 X 3-9/16 STD-HD -2-
	625 688 R1	WASHER, 2-1/32 X 3 X 16 GA -AS REQUIRED-
13	109 462	FITTING, 1/8-90 DEG ELBOW LUB -2- -BOOM PIVOT CARRIER-
14	470 474 R11	TUBE ASSY, BACKHOE BOOM LEFT
9	403 295	NUT, 7/8-14 C-Z BULKHEAD UNION LOCK
9	403 298	NUT, 1-5/16-12 C-Z BULKHEAD UNION LOCK
	138 566	WASHER, 7/8 C-Z INTERNAL TOOTH LOCK
	471 961 R1	WASHER, 1-5/16 C-Z INTERNAL TOOTH LOCK
15	468 371 R1	RING, EXTERNAL RETAINING -4-
16	468 287 R1	PIN, BOOM CYLINDER PIVOT

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		BOOM, BUCKET, DIPPERSTICK, HYDRAULIC -CONTINUED	
		CYLINDERS & CONNECTIONS	
17	468 369 R1	PIN, SHROUD	
18	468 368 R1	PIN, BOOM TO SWING MECHANISM	
	625 688 R1	WASHER, 2-1/32 X 3 X 16 GA	
19	545 230 R91	BOOM ASSY	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
20	470 475 R11	TUBE ASSY, BACKHOE BOOM RIGHT	
9	403 295	NUT, 7/8-14 C-Z BULKHEAD UNION LOCK	
9	403 298	NUT, 1-5/16-12 C-Z BULKHEAD UNION LOCK	
	138 566	WASHER, 7/8 C-Z INT-TOOTH LOCK	
	471 961 R1	WASHER, 1-5/16 C-Z INT-TOOTH LOCK	
21	468 733 R1	TOOTH, POINT -3 USED FOR 13 IN., 4 USED FOR 16, 18, AND 20 IN., 5 USED FOR 22, 24 IN. STD AND HIGH CAPACITY, 6 USED FOR 30 IN. AND 7 USED FOR 36 IN.-	
21	485 353 R1	POINT, TOOTH -HEAVY DUTY -3 USED FOR 13 IN., 4 USED FOR 16, 18, AND 20 IN., 5 USED FOR 22, 24 IN. STD AND HIGH CAPACITY, 6 USED FOR 30 IN. AND 7 USED FOR 36 IN.-	
21	532 948 R1	POINT, TOOTH -4 USED 24 IN. HEAVY DUTY BUCKET- -5 USED 30 IN. HEAVY DUTY BUCKET AND 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET- -6 USED 36 IN. HEAVY DUTY BUCKET-	
	486 914 R1	PIN, TOOTH LOCKPIN -ONE PER TOOTH-	
21	540 085 R1	POINT, LONG ROCK -4 USED FOR 24 IN., 5 USED FOR 24 IN. HIGH CAPACITY AND 30 IN., 6 USED FOR 36 IN. HEAVY DUTY-	
21	540 087 R1	POINT, BREAKER -FROST BREAKER-	
	540 088 R1	FLEX PIN, POINT	
	23 173 R1	PIN, 1/2 X 2.750 C-Z STD HD -4-	
21	544 872 R1	POINT, WIDE TOOTH -3 USED FOR 13 IN., 4 USED FOR 16, 18, AND 20 IN., 5 USED FOR 22, 24 IN. STD AND HIGH CAPACITY, 6 USED FOR 30 IN. AND 7 USED FOR 36 IN.-	
21	544 873 R1	POINT, WIDE TOOTH -4 USED 24 IN. HEAVY DUTY BUCKET- -5 USED 30 IN. HEAVY DUTY BUCKET AND 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET- -6 USED 36 IN. HEAVY DUTY BUCKET-	
22	468 314 R1	SHANK, TOOTH -3 USED FOR 13 IN., 4 USED FOR 16, 18 AND 20 IN., 5 USED FOR 22 IN. STD AND 24 IN. STD AND HIGH CAPACITY, 6 USED FOR 30 IN. AND 7 USED FOR 36 IN.-	
22	547 182 R1	SHANK, TOOTH -4 USED 24 IN. HEAVY DUTY BUCKET- -5 USED 30 IN. HEAVY DUTY BUCKET AND 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET- -6 USED 36 IN. HEAVY DUTY BUCKET-	
23	468 764 R1	BLADE, FRONT CUTTING -FOR 13 IN. BUCKET-	
23	483 615 R1	BLADE, FRONT CUTTING -FOR 16 IN. BUCKET-	
23	468 758 R1	BLADE, FRONT CUTTING -FOR 18 IN. BUCKET-	
23	483 621 R1	BLADE, FRONT CUTTING -FOR 20 IN. BUCKET-	

TRUCK-BACKHOE -6- SECTION M

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		BOOM, BUCKET, DIPPERSTICK, HYDRAULIC -CONTINUED	
		CYLINDERS & CONNECTIONS	
23	483 627 R1	BLADE, FRONT CUTTING -FOR 22 IN. BUCKET-	
23	468 310 R1	BLADE, FRONT CUTTING -FOR 24 IN. STD AND HIGH CAPACITY-	
23	486 919 R1	BLADE, FRONT CUTTING -FOR 24 IN. HIGH CAPACITY HEAVY DUTY AND HEAVY DUTY BUCKET-	
23	472 975 R1	BLADE, FRONT CUTTING -FOR 30 IN. STD AND HIGH CAPACITY-	
23	486 928 R1	BLADE, FRONT CUTTING -FOR 30 IN. HEAVY DUTY BUCKET-	
23	468 770 R1	BLADE, FRONT CUTTING -FOR 36 IN. BUCKET-	
23	480 590 R1	BLADE, FRONT CUTTING -FOR 36 IN. BUCKET-	
23	486 933 R1	BLADE, FRONT CUTTING -FOR 36 IN. HEAVY DUTY BUCKET-	
24	468 313 R1	BAR, RIGHT SIDE CUTTING -FOR 16, 18, 20, 22, 24, 30 AND 36 IN. BUCKET-	
24	486 922 R1	BAR, RIGHT SIDE CUTTING -FOR 24, 30, AND 36 IN. HEAVY DUTY BUCKET-	
24	490 096 R1	BAR, RIGHT SIDE CUTTING -FOR 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET-	
25	468 312 R1	BAR, LEFT SIDE CUTTING -FOR 16, 18, 20, 22, 24, 30 AND 36 IN. BUCKET-	
25	486 921 R1	BAR, LEFT SIDE CUTTING -FOR 24, 30 AND 36 IN. HEAVY DUTY BUCKET-	
25	490 095 R1	BAR, LEFT SIDE CUTTING -FOR 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET-	
26	486 477 R1	CLAMP, HYD. TUBE -2-	
27	547 133 R1	BOSS, NOTCHED -2-	
27	469 633 R1	BOSS, BUCKET PIVOT -2- -13 IN. BUCKET-	
28	544 744 R1	PIN ASSY, REAR BUCKET LINK -2-	
	192 392	PIN, 3/8 X 2-1/2 GROOVE PRESS FIT -2	
29		BUCKET -SERVICED ONLY AS A MACHINE ATTACHMENT-	
30	545 040 R91	CYLINDER ASSY, DIPPERSTICK HYD -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
31	364 885 R1	O-RING, 5/8 OD TUBE -5-	
32	9 410 204	CONNECTOR, 7/8-14 37 DEG FLARED SHORT SWIVEL -FOR 5/8 TUBE- -5-	
33	481 694 R11	TUBE ASSY, LIFT CYLINDER HEAD END -2-	
34	481 693 R11	TUBE ASSY, LIFT CYLINDER ROD END -2-	
35	385 609 R93	CYLINDER ASSY, BUCKET -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
36	474 284 R11	TUBE ASSY, BUCKET CYL RETURN	
37	385 613 R92	CYLINDER ASSY, STABILIZER RH -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	

REF. NO.	PART NUMBER	DESCRIPTION
		BOOM, BUCKET, DIPPERSTICK, HYDRAULIC -CONTINUED
		CYLINDERS & CONNECTIONS
38	570 828 R1	O-RING, 1/2 OD TUBE -4-
39	9 410 203	CONNECTOR, 3/4-16 37 DEG FLARED SHORT SWIVEL -4-
40	474 285 R11	TUBE ASSY, STABILIZER CYLINDER FRONT -2-
41	474 286 R11	TUBE ASSY, STABILIZER CYLINDER REAR -2-
42	385 612 R92	CYLINDER ASSY, STABILIZER LH -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-
43	547 132 R1	BOSS, BUCKET PIVOT -2-
43	468 316 R1	BOSS, BUCKET PIVOT -2- -FOR USE W/13 IN. BUCKET-
44	468 364 R1	BOSS, SHROUD -2-
45	56 827 C1	ROLLER, TRANSPORT -2-
	19 982 R1	PIN, 1/2 X 3-3/4 HV COILED SPRING -2-
46	385 616 R92	CYLINDER ASSY, LIFT HYD -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-

TRUCK-BACKHOE -7- SECTION M
BKH-1
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REVISION NO. 18

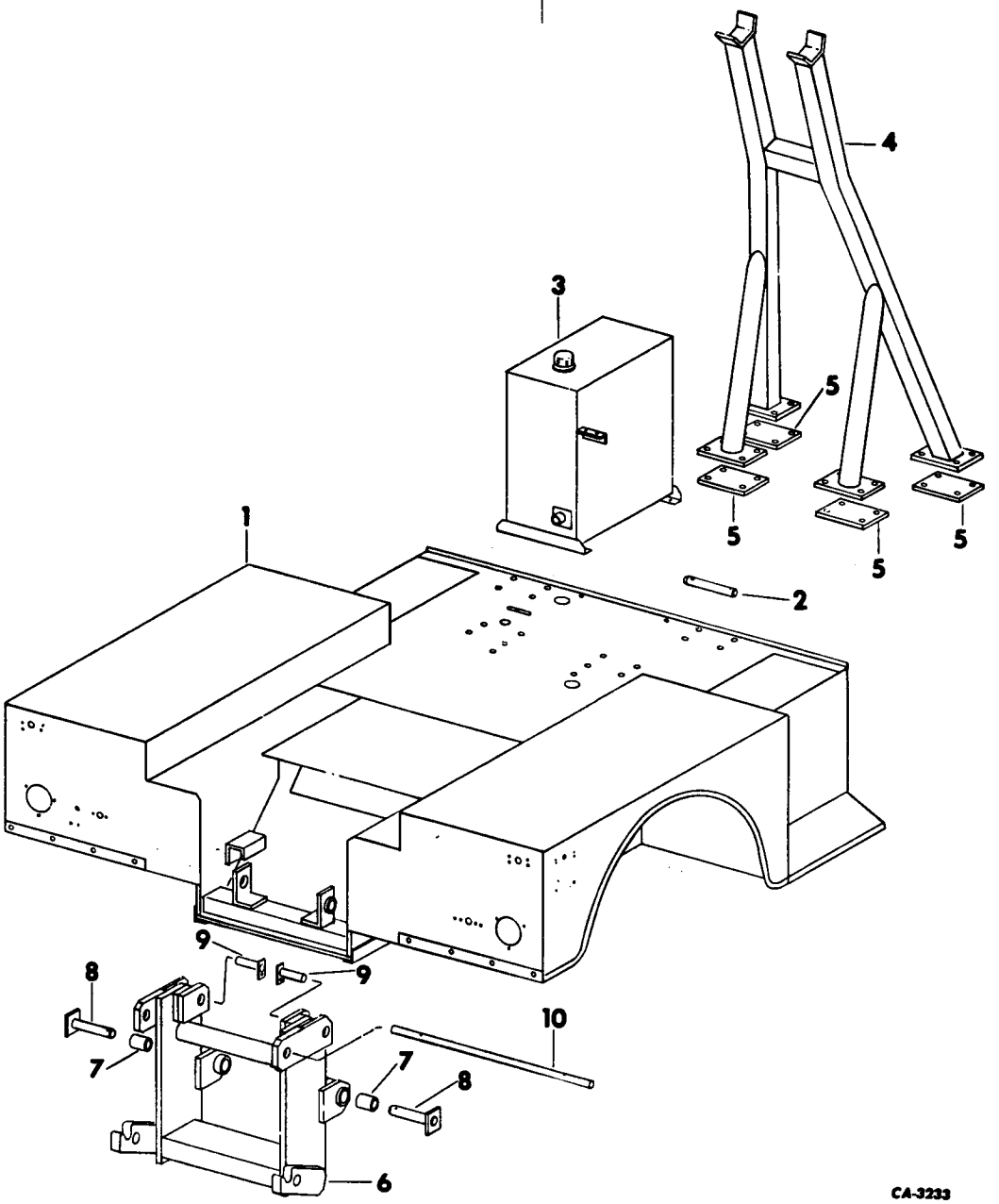
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

TRUCK BED, FRAME HINGE, HYDRAULIC OIL TANK AND CARRIER

TRUCK-BACKHOE -8- SECTION M

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

TRUCK BED, FRAME HINGE, HYDRAULIC OIL -CONTINUED TANK AND CARRIER



PRINTED IN UNITED STATES OF AMERICA REVISION NO. 18

REF. NO.	PART NUMBER	DESCRIPTION
		TRUCK BED, FRAME HINGE, HYDRAULIC OIL -CONTINUED TANK AND CARRIER
1	57 344 C1	FRAME, TRUCK BED
	180 175	SCREW, 1/2-13 X 1-1/2 ZND HEX-HD CAP -24-
	120 384	WASHER, 1/2 ZND REG LOCK -24-
	120 378	NUT, 1/2-13 ZND HEX. -24-
2	57 345 C1	PIN, FRONT CYL -2-
	22 267 R1	WASHER, 1.156 X 3 ZND -4-
	108 560	PIN, 7/32 X 1-1/2 COT. -4-
3	57 346 C1	TANK, HYDRAULIC OIL
	180 149	SCREW, 7/16-14 X 1-1/2 ZND HEX-HD CAP -4-
	120 383	WASHER, 7/16 ZND REG LOCK -4-
	271 501	NUT, 7/16-14 ZND HEX. -4-
4	57 347 C1	UPRIGHT, BACKHOE
5	57 348 C1	PLATE, LOWER BASE -4-
	271 735	SCREW, 5/8-11 X 5 ZND HEX-HD CAP -8-
	550 465 C1	BOLT, 5/8-11 X 16 ZND HEX-HD GR 8 -8-
	121 574	WASHER, 5/8 ZND REG LOCK -16-
	124 589	NUT, 5/8-11 ZND HEX. -16-
6	57 349 C91	HINGE W/BUSHINGS
7	57 350 C1	BUSHING, BRONZE -2-
8	57 351 C1	PIN, PIVOT ASSY -2-
	22 801 R1	WASHER, 1.531 X 2 X .054 ZND -2-
	108 562	PIN, 7/32 X 2 COT. -2-
9	57 352 C1	PIN, REAR CYL -2-
	180 120	SCREW, 3/8-16 X 3/4 ZND HEX-HD CAP -2-
	120 382	WASHER, 3/8 ZND REG LOCK -2-
10	57 353 C1	PIN, CONTROL UNIT -2-
	22 801 R1	WASHER, 1.53 X 2 X .054 ZND -2-
	108 652	PIN, 7/32 X 2 COT. -2-
	109 462	FITTING, 1/8-27 PTF 90 DEG SHORT LUB -2-

-9- SECTION M
TRUCK-BACKHOE
BKH-1

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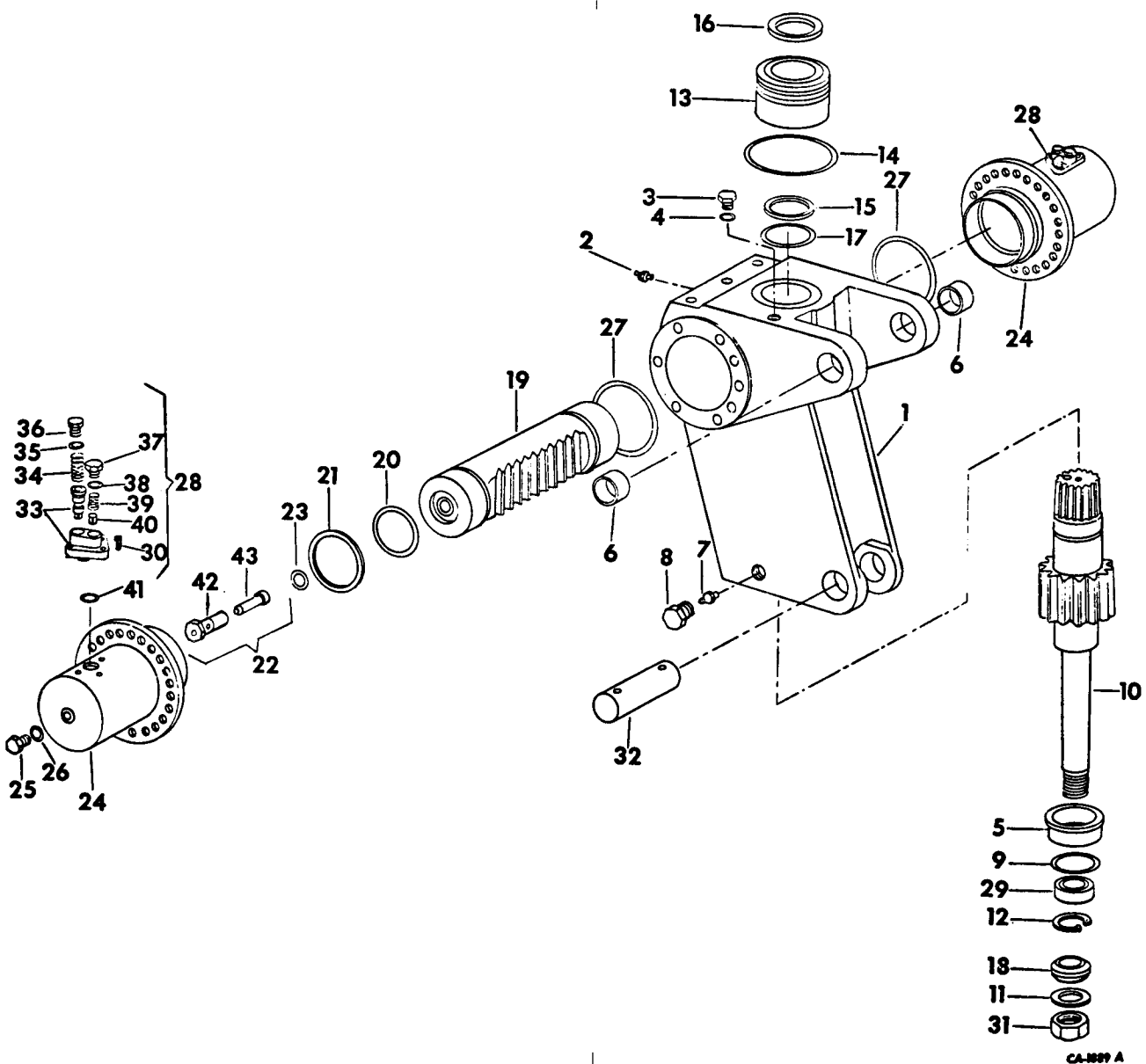
REVISION NO. 18

BKH-1

SWING MECHANISM



REF. NO.	PART NUMBER	DESCRIPTION
1	545 216 R91	HOUSING W/BUSHING, SWING
2	479 670 R1	SCREW, 1/2-13 X 2 HEX-SOC-HD HALF DOG PT SET
3	9 410 360	PLUG, 7/8-14 C-Z STR-THD O-RING BOSS
4	364 885 R1	O-RING, 5/8 OD TUBE
5	468 332 R1	BUSHING, LOWER SHAFT BRONZE
6	468 366 R1	BUSHING, PIVOT PIN -2-
7	109 461	FITTING, 1/8-27 PTF STR LUB SHORT

BKH-1

SWING MECHANISM -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
8	445 097	PLUG, 7/8-18 HEX-HD DRAIN
9	471 140 R1	O-RING, 3 X 3-3/8 X 3/16 FOR POWER SHAFT BUSHING
10	545 219 R2	SHAFT
11	544 150 R1	WASHER, SHAFT
12	468 337 R1	RING, LOWER SHAFT BUSHING RETAINING
13	545 220 R1	BUSHING, UPPER SWING SHAFT

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	SWING MECHANISM -CONTINUED		
14	3 046 994 R1	O-RING, 5-5/8 X 5-7/8 X 1/8 UPPER SHAFT BUSHING	
15	489 532 R1	WASHER, BACKUP	
16	468 334 R91	SEAL, UPPER SHAFT BUSHING DUST	
17	468 335 R1	O-RING, 3-3/8 X 3-3/4 X 3/16 FOR UPPER SHAFT BUSHING	
18	468 336 R1	SPACER, LOWER SHAFT BEARING	
19	488 498 R1	PISTON	
20	468 339 R1	O-RING, 4 X 4-1/4 X 1/8 -2- ON PISTON	
21	468 340 R1	RING, PISTON -2-	
22	394 311 R91	VALVE ASSY, PISTON SAFETY -2-	
23	296 247 R1	O-RING, 1 OD TUBE -2- ON SAFETY VALVE ASSY	
24	545 221 R1	BODY, SWING CYL -2-	
	484 667 R1	SCREW, 5/8-11 X 1-1/2 HEX-HD CAP -16-	
25	9 410 358	PLUG, 9/16-18 C-Z STR THD O-RING BOSS -2-	
26	364 839 R1	O-RING, 3/8 OD TUBE -2- FOR SWING BODY	
27	285 253 R1	O-RING, 5-1/2 X 5-3/4 X 1/8 -2- BETWEEN HOUSING AND BODY	
28	544 698 R91	VALVE ASSY, DECELERATOR -2-	
29	545 222 R91	BEARING, SELF-ALIGNING SWING SHAFT	
30	601 924 C1	SCREW, 3/8-16 X 1 FLANGED 12 PT -6-	
31	18 460 R1	NUT, 1-1/2-12 NYLON INSERT	
32	468 370 R1	PIN, LIFT CYL PIVOT	
	631 252 R1	PIN, 3/8 X 4-1/8 STD-HD -2-	
	177 923	PIN, 1/8 X 3/4 C-Z COT. -2-	
33	544 699 R1	HOUSING ASSY, VALVE	
34	392 963 R1	SPRING, VALVE PISTON	
35	364 885 R1	O-RING, 3/4 X 15/16 X 3/32	
36	392 964 R1	PLUG, PISTON	
37	392 962 R11	PLUG ASSY, CHECK VALVE	
38	570 828 R1	O-RING, 1/2 OD TUBE	
39	382 915 R1	SPRING ASSY, CHECK VALVE	
40	382 916 R1	POPPET, CHECK VALVE	
41	25 173 R1	O-RING, 1-5/8 X 1-13/16 X 3/32 -2- BETWEEN VALVE HOUSING & SWING CYL	
42	382 995 R1	BODY, CUSHION VALVE -2-	
43	394 312 R91	POPPET ASSY., CUSHION VALVE -2-	

TRUCK-BACKHOE -11- SECTION M

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

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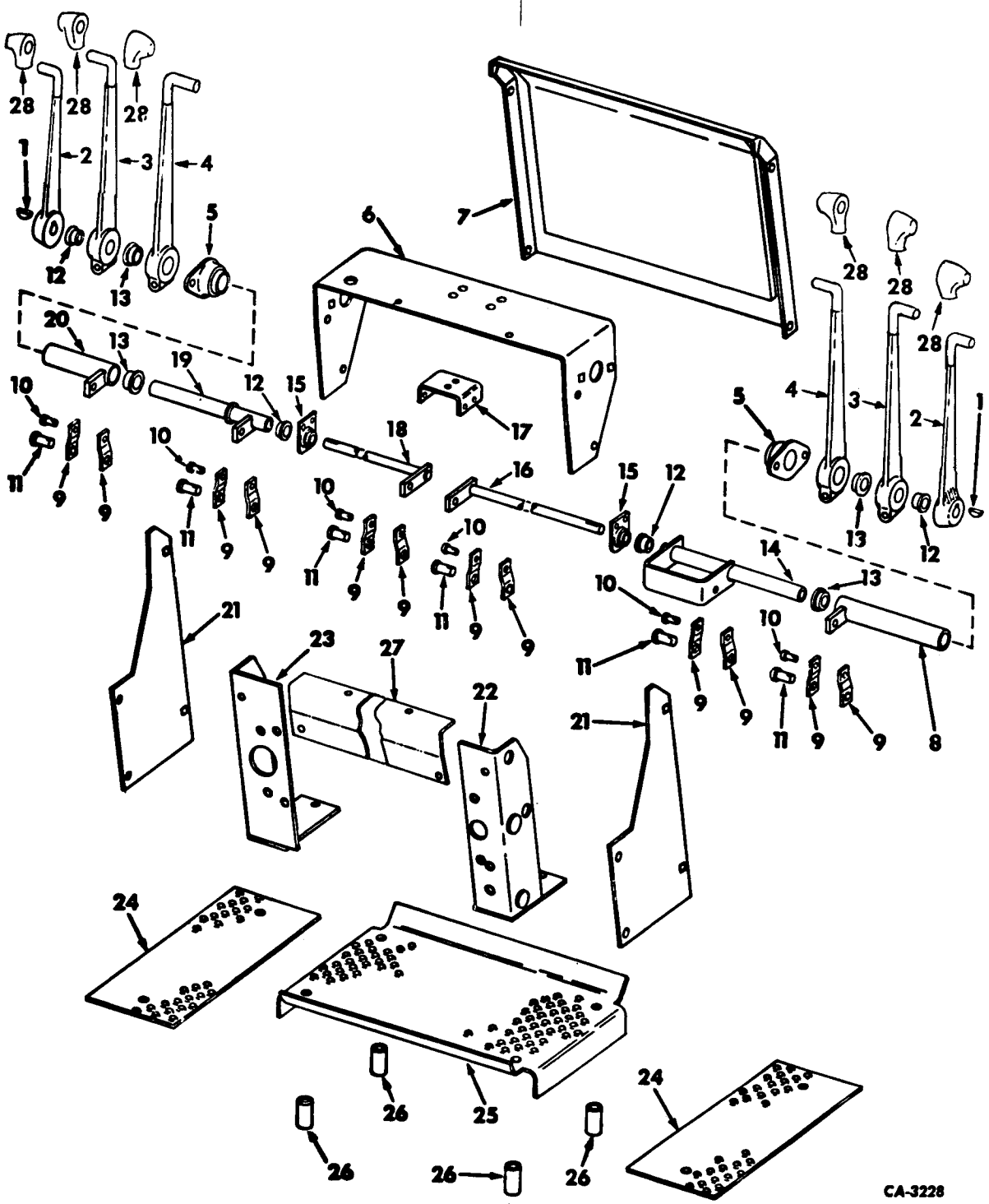
BKH-1

CONTROL LEVERS AND FLOOR PLATES

TRUCK-BACKHOE -12- SECTION M

BKH-1

CONTROL LEVERS AND FLOOR PLATES -CONTINUED



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REVISION NO. 18

BKH-1

REF. NO.	PART NUMBER	DESCRIPTION
	CONTROL LEVERS AND FLOOR PLATES -CONTINUED	
1	106 751	KEY, 3/16 X 3/4 WOODRUFF -2-
2	544 959 R1	HANDLE, STABILIZER CONTROL -2-
	431 662	SCREW, 3/8-16 X 3/4 C-Z -2- HEX-SOC-HD CUP-PT SET
3	544 958 R1	HANDLE, CROWD AND SWING CONTROL -2-
	180 132	SCREW, 3/8-16 X 2-1/4 ZND HEX-HD CAP -2-
	120 374	NUT, 3/8-16 SQ -2-
4	544 957 R1	HANDLE, BUCKET & LIFT CONTROL -2-
	180 132	SCREW, 3/8-16 X 2-1/4 ZND HEX-HD CAP -2-
	120 374	NUT, 3/8-16 ZND SQ. -2-
5	608 879 R91	BEARING -2-
	17 351 R1	BOLT, 3/8-16 X 1 ZND SQ-NK CRG -4-
	120 382	WASHER, 3/8 ZND MED LOCK -4-
	120 377	NUT, 3/8 ZND HEX. -4-
6	481 663 R1	SUPPORT, SEAT
	180 173	SCREW, 1/2-13 X 1 ZND HEX-HD CAP -4-
	120 384	WASHER, 1/2 ZND MED LOCK -4-
7	484 296 R21	SHIELD ASSY, CONTROL STAND REAR HEAT
8	481 667 R91	SHAFT ASSY, BUCKET CONTROL
9	481 684 R1	LINK, CONTROL VALVE -12-
10 B	92 1/2	PIN, 3/8 X 7/8 STD-HD -6-
	12 235 R1	PIN, 1/8 X 5/8 C-Z COT. -6-
11 Q	1 332	PIN, 1/2 X 1-1/8 STD-HD -6-
	108 632	PIN, 3/16 X 7/8 COT. -6-
12	307 920 R1	BEARING -4-
13	477 554 R1	BEARING, CENTER CONTROL -4-
14	481 672 R92	SHAFT ASSY, SWING CONTROL
15	481 683 R91	BEARING, SELF-ALIGNING -2-
	180 020	SCREW, 1/4-20 X 3/4 ZND HEX-HD CAP -4-
	120 380	WASHER, 1/4 ZND MED LOCK -4-
	120 375	NUT, 1/4-20 ZND HEX. -4-
16	481 680 R91	SHAFT ASSY, RH STABILIZER CONTROL
17	481 664 R1	BRACKET, BRG SUPPORT
18	481 679 R91	SHAFT ASSY, LH STABILIZER CONTROL
19	481 675 R91	SHAFT ASSY, CROWD CONTROL
20	481 670 R91	SHAFT ASSY, LIFT CONTROL
21	481 685 R1	SHROUD, CONTROL SIDE -2-
	180 073	SCREW, 5/16-18 X 1/2 ZND HEX-HD CAP -4-
	459 063 R1	RETAINER, 5/16 SPEED GRIP NUT -4-
	180 120	SCREW, 3/8-16 X 3/4 ZND HEX-HD CAP -4-
	120 382	WASHER, 3/8 ZND MED LOCK -4-
22	481 658 R93	BRACKET ASSY, VALVE SUPPORT LH
	180 124	SCREW, 3/8-16 X 1-1/4 ZND HEX-HD CAP -2-
	120 382	WASHER, 3/8 ZND MED LOCK -2-
	120 377	NUT, 3/8-16 ZND HEX. -2-
23	481 659 R93	BRACKET ASSY, VALVE SUPPORT RH
	180 124	SCREW, 3/8-16 X 1-1/4 ZND HEX-HD CAP -2-
	120 382	WASHER, 3/8 ZND MED LOCK -2-
	120 377	NUT, 3/8-16 ZND HEX. -2-
24	481 691 R1	STRIP, SIDE FLOOR PLATE -2-
	18 494 R1	SCREW, 3/8-16 X 1 ZND HEX-HD CAP -4-
	172 427	SCREW, 1/4-20 X 1/2 ZND HEX-HD TAP. -4-

TRUCK-BACKHOE -13- SECTION M

BKH-1

REF. NO.	PART NUMBER	DESCRIPTION
	CONTROL LEVERS AND FLOOR PLATES -CONTINUED	
25	481 687 R2	COVER, FLOOR
26	615 860 R1	SPACER, .406 X .875 X 1.781 -4-
	189 304	SCREW, 3/8-16 X 3-1/4 ZND HEX-HD CAP -4-
	120 377	NUT, 3/8-16 ZND HEX. -4-
27	481 686 R11	SHIELD ASSY, HEAT
	180 137	SCREW, 3/8-16 X 2-3/4 ZND HEX-HD CAP -4-
	120 382	WASHER, 3/8 ZND REG LOCK -4-
28	379 022 R2	KNOB, HYD VALVE LEVER -6-

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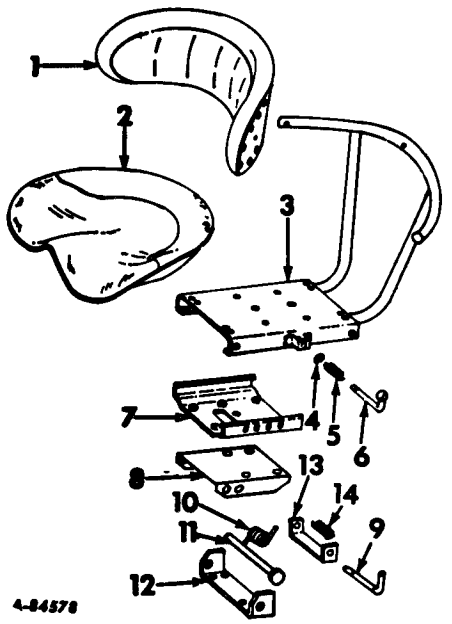
BKH-1

SEAT AND SUPPORT



REF. NO.	PART NUMBER	DESCRIPTION
	469 119 R91	SEAT ASSY, BACKHOE PREMIER -CONSISTS OF REF. NOS 1 THROUGH 7-
1	469 121 R91	BACKREST ASSY, PREMIER
2	469 122 R91	CUSHION ASSY, PREMIER SEAT
	120 368	NUT, 5/16-24 - C-Z HEX. -4-
	120 214	WASHER, 5/16 LOCK - C-Z -4-
3	469 120 R91	FRAME ASSY, HI-BACK PREMIER
9	413 946	NUT, 1/4 STOVER HEX LOCK - CAD PLTD.
	155 338	SCREW, 1/4 X 1/2 RD HD CROSS RECESS MACH C-Z
	155 358	SCREW, 1/4 X 1 RD HD CROSS RECESS MACH C-Z -3-
4	104 977 R1	RING , SLIDE HANDLE RETAINING
5	469 125 R1	SPRING, SLIDE ADJUSTING PLUNGER
6	469 124 R11	PLUNGER W/KNOB ASSY, SLIDE ADJUSTING
	103 340	WASHER, 11/32 X 11/16 X 16 GA. FLAT
7	469 123 R11	SLIDE ASSY, LOWER
	180 075	SCREW, 5/16-18 X 5/8 C-Z HEX-HD CAP -4-
	120 214	WASHER, 5/16 C-Z MED LOCK -4-
8	540 967 R2	SUPPORT ASSY, SEAT
	180 077	SCREW, 5/16-18 X 3/4 ZND HEX-HD CAP -4-
	138 538	WASHER, 5/16 C-Z INT-TOOTH LOCK -4-
9	484 482 R1	ROD, SEAT LATCH HANDLE
	103 384	PIN, 1/8 X 3/4 COT.
	120 394	WASHER, 13/32 X 13/16 X .051

TRUCK-BACKHOE -14- SECTION M

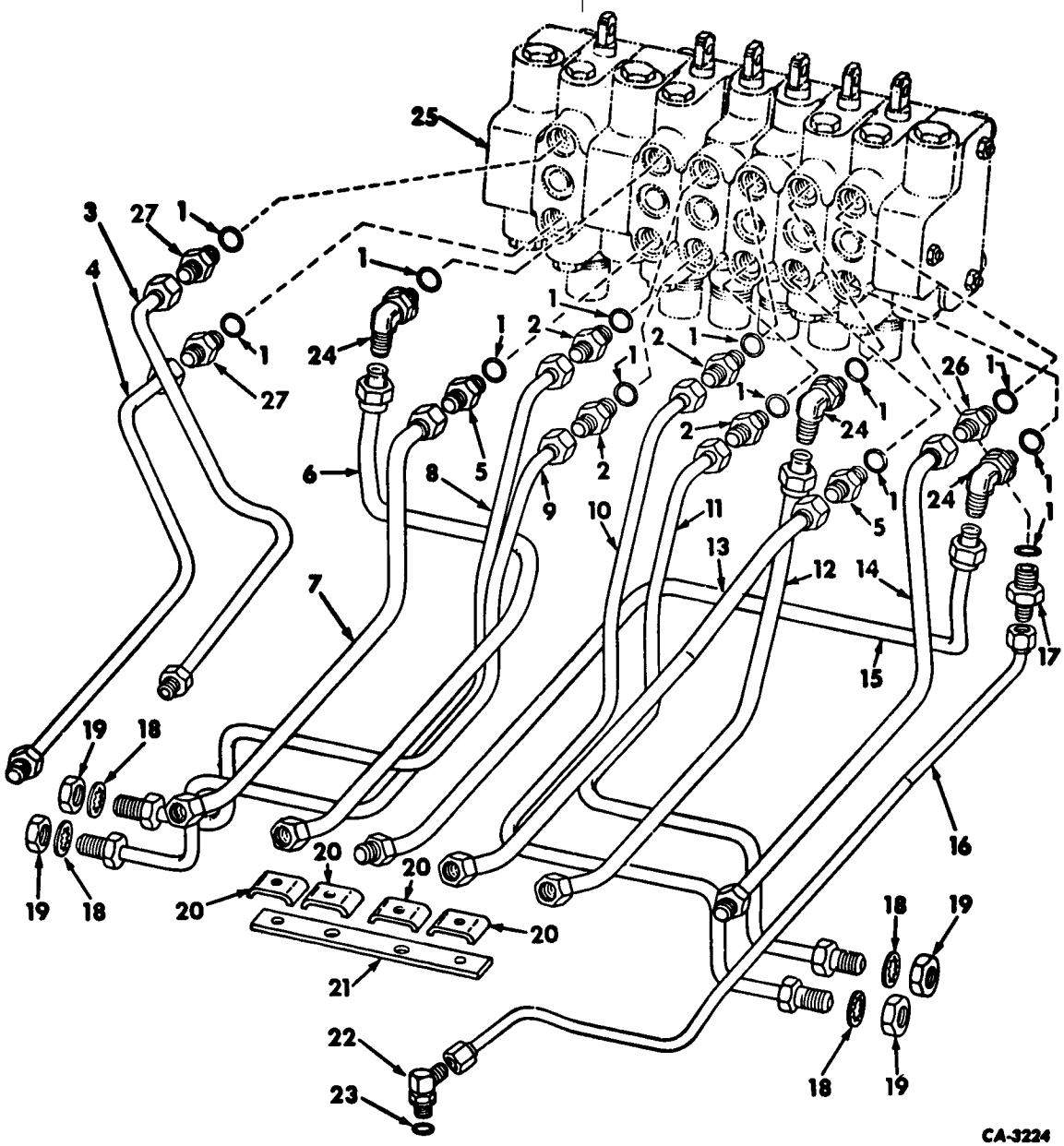
BKH-1

SEAT AND SUPPORT -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
10	15 068 EB	SPRING, SEAT
11	625 326 R1	PIN, 3/8 X 6 STD-HD
	120 394	WASHER, 13/32 X 13/16 X .051
	103 384	PIN, 1/8 X 3/4 COT.
12	477 567 R1	BRACKET, SEAT
	120 376	NUT, 5/16-18 C-Z HEX. -4-
	180 081	SCREW, 5/16-18 X 1-1/4 C-Z HEX-HD CAP -4-
	120 214	WASHER, 5/16 C-Z MED LOCK -4-
13	484 481 R1	BRACKET, SEAT LATCH
	120 375	NUT, 1/4-20 C-Z HEX -2-
	453 049	SCREW, 1/4-20 X 3/4 PAN-HD SLT -2-
	120 380	WASHER, 1/4 C-Z MED LOCK -2-
14	359 109 R2	SPRING

BKH-1

HYDRAULIC VALVE BANK TUBES AND CONNECTIONS



REF. NO.	PART NUMBER	DESCRIPTION
1	364 885 R1	O-RING, 5/8 TUBE -13-
2	481 352 R1	UNION, 7/8-14 TO 3/4-16 C-Z HYD FLARED SHORT SWIVEL REDUCER -4-
3	481 647 R21	TUBE, TOP PORT SWING CYL
4	481 648 R21	TUBE, BOTTOM PORT SWING CYL
5	9 410 204	UNION, 7/8-14 37 DEG C-Z HYD FLARED TUBE SHORT SWIVEL -2-
6	486 020 R2	TUBE, TOP PORT BUCKET CYL

TRUCK-BACKHOE -15- SECTION M

BKH-1

HYDRAULIC VALVE BANK TUBES AND CONNECTIONS -CONTINUED

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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC VALVE BANK TUBES AND CONNECTIONS -CONTINUED	
7	481 642 R21	TUBE, BOTTOM PORT BUCKET CYL	
8	481 652 R21	TUBE, TOP PORT RH STABILIZER	
9	481 655 R21	TUBE, BOTTOM PORT RH STABILIZER	
10	481 649 R21	TUBE, TOP PORT LH STABILIZER	
11	481 651 R21	TUBE, BOTTOM PORT LH STABILIZER	
12	486 021 R2	TUBE, TOP PORT DIPPERSTICK CYL	
13	481 646 R21	TUBE, BOTTOM PORT DIPPERSTICK CYL	
14	481 643 R21	TUBE, TOP PORT BOOM CYL	
15	486 019 R2	TUBE, BOTTOM PORT BOOM CYL	
16	481 657 R11	TUBE ASSY, SWING MECHANISM DRAIN	
17	935 433 R1	UNION, 3/8 TO 5/8 TUBE BOSS	
18	138 561	WASHER, 3/4 C-Z INT TOOTH LOCK -4-	
19	9 403 294	NUT, 3/4-16 C-Z BULKHEAD UNION LOCK -4-	
20	486 004 R1	CLAMP, TUBE -4-	
	180 128	SCREW, 3/8-16 X 1-3/4 ZND HEX-HD CAP -2-	
	120 382	WASHER, 3/8 ZND MED LOCK -4-	
	120 377	NUT, 3/8-16 ZND HEX. -4-	
21	481 690 R2	STRIP, HYD LINE CUSHIONING	
	180 128	SCREW, 3/8-16 X 1-3/4 ZND HEX-HD CAP -2-	
22	9 410 976	ELBOW, 9/16-18 37 DEG C-Z HYD FLARED TUBE ADJUSTABLE STR-THD 90 DEG	
23	364 839 R1	O-RING, 3/8 TUBE	
24	9 410 978	ELBOW, 7/8-14 37 DEG C-Z HYD FLARED TUBE ADJUSTABLE STR-THD 90 DEG -3-	
25		VALVE BANK, CONTROL -REFER TO HYDRAULIC CONTROL VALVE LISTING-	
26		UNION ASSY, ORIFICE -REFER TO HYDRAULIC CONTROL VALVE LISTING-	
27	57 202 C1	UNION ASSY, ORIFICE -2-	

TRUCK-BACKHOE -16- SECTION M

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

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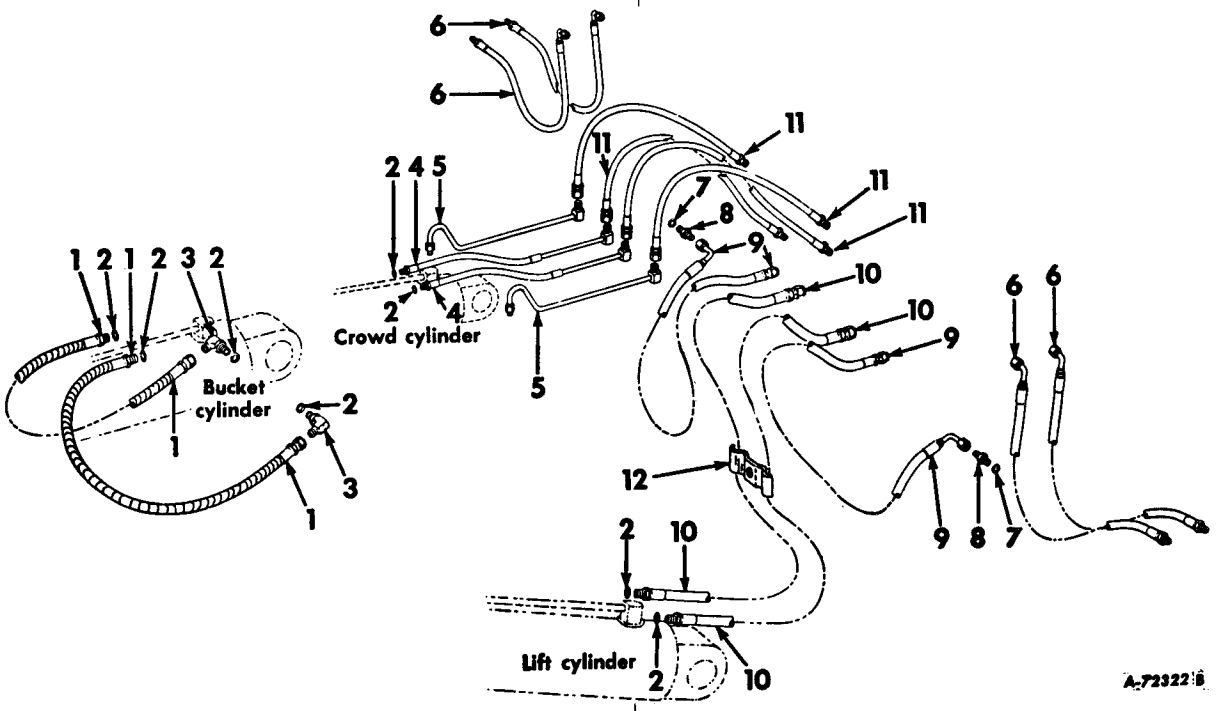
HYDRAULIC CONNECTIONS -BASIC-



REF. NO.	PART NUMBER	DESCRIPTION
1	470 252 R91	HOSE ASSY, BOOM TO BUCKET - 38 IN. -2-
2	364 885 R1	O-RING, 5/8 TUBE -8-
3	9 410 978	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE -2-
4	481 697 R91	HOSE ASSY, CROWD CYL 35 IN. -2-
5	481 699 R11	TUBE ASSY, BOOM TO HOSE -2-
6	470 256 R91	HOSE ASSY, BULKHEAD TO STABILIZER -4-
7	364 839 R1	O-RING, 3/8 TUBE -2-
8	382 449 R1	CONNECTOR, 1/2-3/8 REDUCING TUBE -2-
9	481 700 R93	HOSE, BULKHEAD TO SWING 32 IN. -2-
10	481 698 R93	HOSE ASSY, PIPE TO LIFT CYL 51 IN. -2-
11	481 641 R91	HOSE, PIPE TO BOOM - 41.5 IN. -4-
12	469 998 R1	CLAMP, HYD HOSE
	120 378	NUT, 1/2-13 C-Z HEX.
	120 238	NUT, 1/2-13 C-Z HEX. JAM

TRUCK-BACKHOE -17- SECTION M

BKH-1

HYDRAULIC CONNECTIONS -BASIC- -CONTINUED

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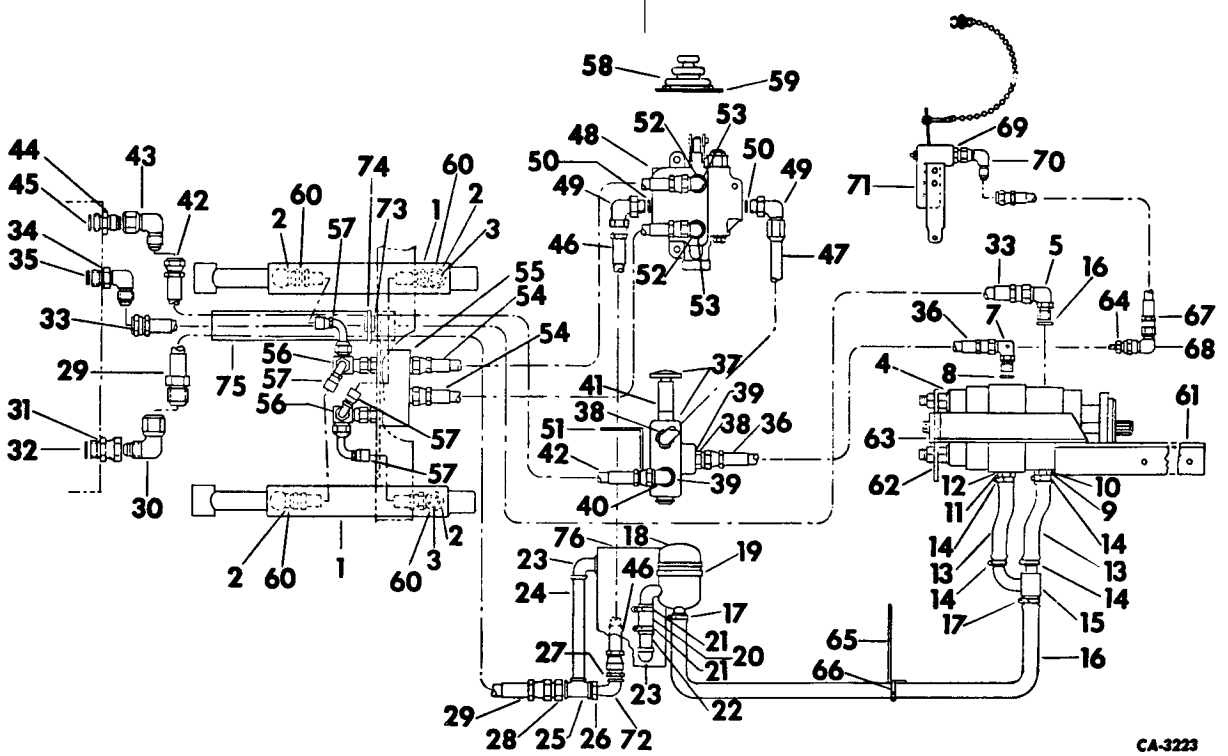
HYDRAULIC POWER SUPPLY AND CONNECTIONS



REF. NO.	PART NUMBER	DESCRIPTION
1	545 034 R91	CYLINDER ASSY, TILT -2- -FOR COMPONENT DETAILS REFER TO HYDRAULIC CYLINDER LISTING-
2	570 828 R1	O-RING, 1/2 OD TUBE -4-
3	9 410 281	ELBOW, 3/4-16 37 DEG HYD FLARED TUBE 90 DEG SWIVEL -2-
4	547 361 R92	PUMP ASSY, TANDEM -ONLY SERVICE ITEMS ARE STUD SHORT /627 756 C1, STUD LONG/55 975 C1, WASHER/524 443 R1, NUT/19 724 R1, PLATE THRUST/627 758 C1 AND KIT/ 55 976 C1-
	21 434 R1	NUT, 5/8-11 ZND HEX. -2- FOR PUMP TIE BOLTS
	180 175	SCREW, 1/2-13 X 1-1/4 ZND HEX-HD CAP -4-
	120 384	WASHER, 1/2 ZND LOCK -4-
5	9 410 981	ELBOW, 1-5/16-12 37 DEG FLARED TUBE ADJ STR-THD 90 DEG
6	296 247 R1	O-RING, 1 OD TUBE
7	56 807 C1	ELBOW, 1-1/16-12 37 DEG HYD FLARED TUBE STR-THD 90 DEG
8	368 269 R1	O-RING, 3/4 OD TUBE
9	547 362 R1	FITTING, PUMP SUCTION INLET
10	301 016 R1	O-RING, 1-1/2 OD TUBE
11	547 363 R1	FITTING, PUMP SUCTION INLET
12	307 915 R1	O-RING, 1-1/4 OD TUBE
13	547 364 R1	HOSE, SUCTION -2-
14	279 027 R91	CLAMP, HOSE -4-
15	547 365 R1	TEE ASSY, MANIFOLD TUBE
16	547 369 R1	HOSE, PUMP SUCTION
17	279 027 R91	CLAMP, HOSE -2-
18	547 254 R92	FILTER ASSY -FOR COMPONENT DETAILS REFER TO OIL FILTER LISTING-
19	544 500 R2	CLAMP ASSY, FILTER
	180 122	SCREW, 3/8-16 X 1 ZND HEX-HD CAP -3-
	120 382	WASHER, 3/8 ZND MED LOCK -3-
	120 377	NUT, 3/8-16 ZND HEX. -3-
20	480 901 R1	HOSE, FILTER SUCTION
21	279 027 R91	CLAMP, HOSE -2-
22	219 696	NIPPLE, 1-1/4 PIPE X 4 IN. LONG
23	127 823	ELBOW, 1-1/4 PIPE 90 DEG STREET -2-
24	547 370 R2	NIPPLE, 1-1/4 PIPE X 31.0 IN. LONG
25	187 408	TEE, 1-1/4 PIPE
26	144 055	ADAPTER, 1 IN.-1/2 IN. PIPE REDUCING
27	9 402 710	CONNECTOR, 1/2 IN. PIPE TO 7/8-14 JIC 37 DEG THD
28	9 402 713	CONNECTOR, 1-5/16-12 37 DEG HYD FLARED TUBE

TRUCK-BACKHOE -18- SECTION M
BKH-1
HYDRAULIC POWER SUPPLY AND CONNECTIONS -CONTINUED

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REVISION NO. 18

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC POWER SUPPLY AND CONNECTIONS -CONTINUED	
29	547 371 R1	HOSE ASSY, BACKHOE RETURN	
30	9 410 285	ELBOW, 1-5/16-12 37 DEG FLARED TUBE 90 DEG SWIVEL	
31	481 766 R1	ADAPTER, 1-5/16-12 37 DEG FLARED TUBE	
32	296 247 R1	O-RING, 1 OD TUBE	
33	547 372 R1	HOSE ASSY, PUMP TO BACKHOE MID-SECTION INLET	
34	533 566 R1	ELBOW, 1-3/16-12 STR-THD TO 1-5/16-12 37 DEG JIC THD	
35	297 459 R1	O-RING, 7/8 OD TUBE	
36	547 373 R1	HOSE ASSY, PUMP TO SELECTOR VALVE	
37	389 251 R92	VALVE ASSY, SELECTOR - IH -OPTIONAL W/383 946 R91- -FOR COMPONENT DETAILS REFER TO SELECTOR VALVE LISTING-	
37	383 946 R91	VALVE ASSY, SELECTOR - GRESEN -OPTIONAL W/389 251 R92- -FOR COMPONENT DETAILS REFER TO SELECTOR VALVE LISTING-	
	180 087	SCREW, 5/16-18 X 2 ZND HEX-HD CAP -2-	
	120 214	WASHER, 5/16 ZND MED LOCK -2-	
	120 376	NUT, 5/16-18 ZND HEX. -2-	
38	9 410 204	UNION, 7/8-14 37 DEG FLARED TUBE -2- SHORT SWIVEL	
39	364 885 R1	O-RING, 5/8 OD TUBE -3-	
40	9 410 978	ELBOW, 7/8-14 37 DEG FLARED TUBE ADJ STR-THD 90 DEG	
41	547 374 R1	SPACER, SELECTOR VALVE HANDLE	
42	547 375 R1	HOSE ASSY, SELECTOR VALVE TO SWING INLET	
43	9 410 282	ELBOW, 7/8-14 37 DEG FLARED TUBE SWIVEL 90 DEG	
44	9 410 204	UNION, 7/8-14 37 DEG FLARED TUBE SHORT SWIVEL	
45	364 885 R1	O-RING, 5/8 OD TUBE	
46	394 902 R91	HOSE ASSY, BOOM TO LIFT CYLINDER	
47	58 658 C1	TUBE ASSY, SELECTOR VALVE TO TILT CONT.	
48	547 376 R91	VALVE ASSY, TILT CONTROL - GRESEN -FOR COMPONENT DETAILS REFER TO HYDRAULIC TILT CONTROL VALVE LISTING-	
	180 134	SCREW, 3/8-16 X 2-1/2 ZND HEX-HD CAP -3-	
	120 382	WASHER, 3/8 ZND MED LOCK -3-	
	120 377	NUT, 3/8-16 ZND HEX. -3-	
49	633 460 R91	ELBOW, 1-1/16-12 STR-THD TO 7/8-14 -2- 37 DEG JIC REDUCER 90 DEG	
50	368 269 R1	O-RING, 3/4 OD TUBE -2-	
51	547 377 R2	BRACKET, SELECTOR VALVE MOUNTING	
52	936 450 R91	ELBOW, 7/8-14 STR-THD TO 3/4-16 37 DEG JIC 90 DEG REDUCING -2-	
53	364 885 R1	O-RING, 5/8 OD TUBE -2-	
54	547 378 R1	HOSE ASSY, TILT VALVE TO CHECK VALVE -2-	
55	400 433 R92	VALVE ASSY, STABILIZER CHECK -FOR COMPONENT DETAILS REFER TO STABILIZER CHECK VALVE LISTING-	
	9 403 294	NUT, 3/4-16 BULKHEAD UNION -2-	
56	382 761 R1	ELBOW, OIL COOLER TUBES -2-	

TRUCK-BACKHOE -19- SECTION M

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC POWER SUPPLY AND CONNECTIONS -CONTINUED	
57	56 808 C1	HOSE ASSY, CHECK VALVE TO TILT CYL -4-	
58	357 574 C1	SEAL, TILT VALVE HANDLE	
59	357 575 C1	RETAINER, TILT VALVE HANDLE SEAL	
	23 986 R1	SCREW, 1/4-14 X 1/2 ZND HEX-WASHER-HD -4-	
60	545 166 R1	UNION ASSY, ORIFICE -4-	
61	56 809 C2	SUPPORT ASSY, PUMP	
	20 537 R1	SCREW, 3/8-16 X 1-1/4 ZND HEX-HD CAP -2-	
62	56 814 C2	BRACKET, PUMP	
63	56 815 C2	HANGER, PUMP	
	226 092 R1	SCREW, 7/16-14 X 1-1/2 ZND HEX-HD CAP -2-	
	120 383	WASHER, 7/16 ZND REG LOCK -2-	
	120 388	WASHER -2-	
	20 048 R1	NUT, 7/16-14 ZN HEX. NYLON INSERT LOCK	
	9 418 646	NUT, 7/16-14 ZND HEX.	
64	9 402 707	CONNECTOR, 1/8-27 37 DEG FLARED TUBE	
65	56 816 C2	BRACKET, SUCTION HOSE	
	180 016	SCREW, 1/4-20 X 1/2 ZND HEX-HD CAP	
	120 380	WASHER, 1/4 ZND REG LOCK	
	120 375	NUT, 1/4-20 ZND HEX.	
66	279 027 R91	CLAMP, HOSE	
67	56 817 C1	HOSE ASSY, PUMP TO HYDRO THROTTLE CONTROL VALVE	
68	9 410 279	ELBOW, 1/4-18 37 DEG HYD FLARED TUBE 90 DEG	
69	9 402 708	CONNECTOR, 1/4-20 37 DEG FLARED TUBE	
70	9 410 280	ELBOW, 9/16-18 37 DEG HYD FLARED TUBE 90 DEG	
71	56 818 C91	THROTTLE CONTROL ASSY -FOR COMPONENT DETAILS REFER TO THROTTLE CONTROL LISTING-	
72	127 961	ELBOW, 1/2 STREET 90 DEG	
73	56 819 C1	BRACKET, SUPPLY & RETURN HOSE	
	180 016	SCREW, 1/4-20 X 1/2 ZND HEX-HD CAP	
	120 380	WASHER, 1/4 ZND REG LOCK	
	120 375	NUT, 1/4-20 ZND HEX.	
74	427 312 R91	CLAMP, HOSE	
75	56 820 C1	HOSE COVER, PROTECTIVE	
76		HYDRAULIC TANK -REFER TO TRUCK BED LISTING-	

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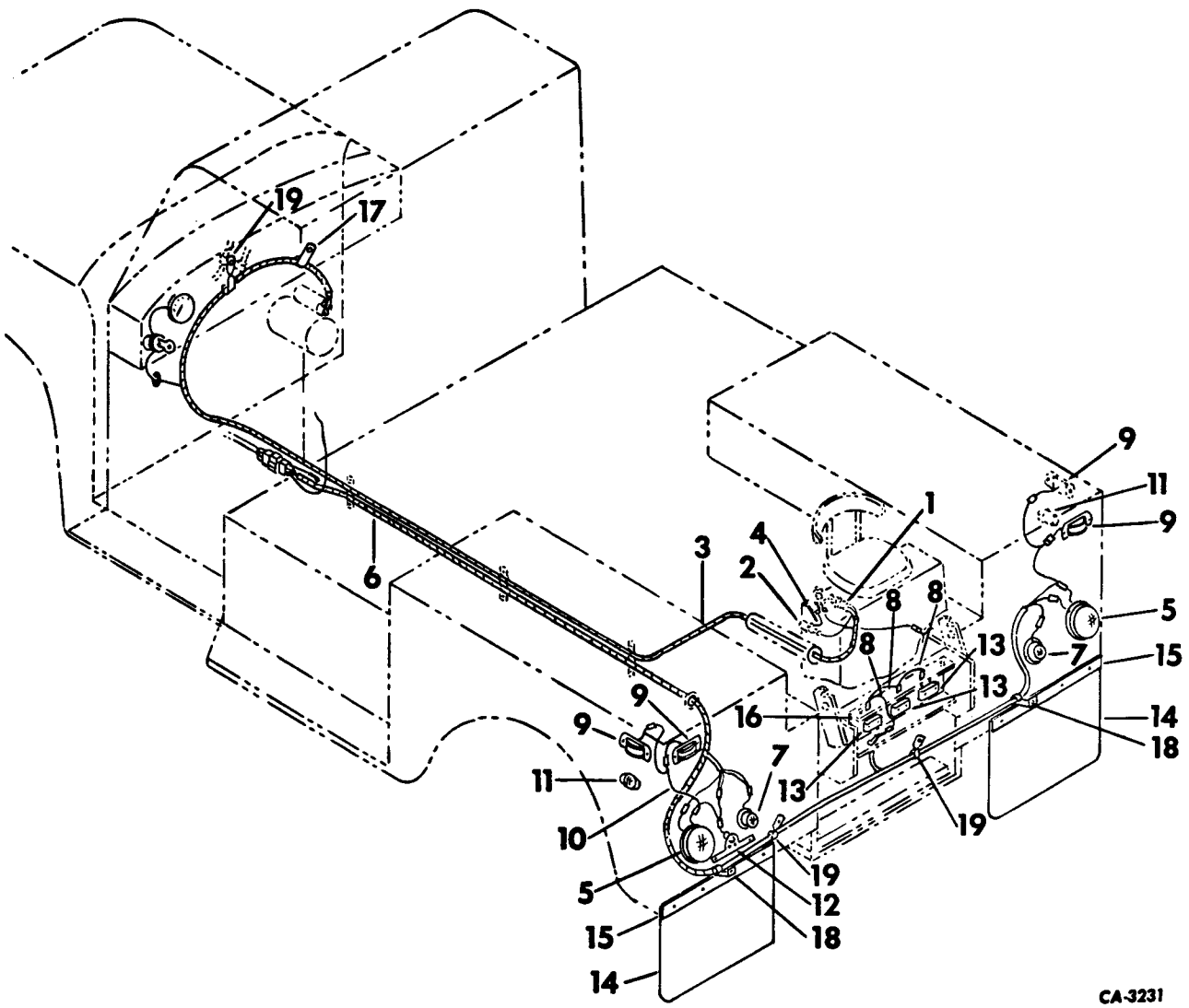
TRUCK FRAME ELECTRICAL CONNECTIONS



CA-3231

REF. NO.	PART NUMBER	DESCRIPTION
1	392 950 R92	SWITCH ASSY, IGNITION & STARTING
2	376 852 R91	HOUSING ASSY, FUSE
	106 653	FUSE, CARTRIDGE TYPE - AGC-20
3	56 821 C1	HARNESS ASSY, BACKHOE STARTING & IGNITION
4	405 222 R1	CABLE ASSY, LIGHTING SWITCH TO IGNITION LOCK
5	533 364 R91	LIGHT ASSY, STOP & TAIL -2-
	436 734	SCREW, 10-24 X 3/4 ZN SLT-PAN-HD -6-
	120 217	WASHER, NO. 10 ZND REG LOCK -6-
	120 361	NUT, 10-24 ZND HEX. -6-
6	56 822 C1	HARNESS ASSY, BACKHOE BODY REAR LIGHTING

BKH-1

TRUCK FRAME ELECTRICAL CONNECTIONS -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
7	381 182 C91	LAMP ASSY, BACK-UP -2-
	171 225	SCREW, 8/32 X 1/2 C-Z SLT FLAT HD TAP. -4-
	436 734	SCREW, 10-24 X 3/4 ZN SLT-PAN-HD -4-
	120 217	WASHER, NO. 10 ZND REG LOCK -4-
	120 361	NUT, 10-24 ZND HEX. -4-
8	56 823 C1	CABLE ASSY, BACKHOE BODY TAIL LIGHT
9	996 787 R91	CLEARANCE LAMP, ARMORED - RED -4-
	436 697	SCREW, 8-32 X 3/4 ZN SLT-PAN-HD -16-
	121 841	WASHER, NO. 8 ZND REG LOCK -16-
	120 622	NUT, 8-32 ZND HEX. -16-
10	56 824 C1	CABLE ASSY, BACKHOE LH FENDER LIGHT

BKH-1

REF. NO.	PART NUMBER	DESCRIPTION
		TRUCK FRAME ELECTRICAL CONNECTIONS -CONTINUED
11	995 170 R2	REFLECTOR, ARMORED - RED -4-
	24 196 R1	SCREW, 1/4-14 X 5/8 C-Z SLT HEX-HD TAP. -8-
12	860 197 R91	LAMP ASSY, LICENSE -GUIDE LAMP DIV.
	451 195	SCREW, 1/4-20 X 1 ZN SLT-PAN-HD -6-
	120 380	WASHER, 1/4 ZND REG LOCK -6-
	120 375	NUT, 1/4-20 ZND HEX. -6-
	117 957	GROMMET, RUBBER SIZE #1
13	545 616 R1	LIGHT ASSY, TAIL -3-
		-OPTIONAL W/545 616 R1-
		-OPTIONAL W/402 987 R91-
13	402 987 R91	LIGHT ASSY, TAIL -3-
	436 696	SCREW, 8-32 X 5/8 ZND SLT PAN HD. -6-
	121 841	WASHER, NO. 8 ZND REG LOCK -6-
	120 622	NUT, 8-32 ZND HEX. -6-
14	56 825 C1	GUARD, SPLASH -2-
15	56 826 C1	BRACKET, SPLASH GUARD -2-
	180 124	SCREW, 3/8-16 X 1-1/4 ZND HEX-HD CAP -8-
	120 382	WASHER, 3/8 ZND REG LOCK -8-
	21 333 R1	NUT, 3/8-16 ZND HEX. -8-
16	58 542 C1	PLATE, TAIL LIGHT MOUNTING
	180 124	SCREW, 3/8-16 X 1-1/4 ZND HEX-HD CAP -2-
	120 382	WASHER, 3/8 ZND REG LOCK -2-
	120 377	NUT, 3/8-16 ZND HEX. -2-
	187 540	GROMMET, RUBBER -3-
	338 065 R1	GROMMET, RUBBER
17	384 559 R1	CLIP, CABLE HARNESS
18	370 383 R1	CLIP, CABLE HARNESS -2-
19	363 660 R1	CLIP, TWISTED CABLE HARNESS -3-
	180 083	SCREW, 5/16-18 X 1-1/2 HEX-HD CAP -2-
	120 376	NUT, 5/16-18 HEX. -2-
	120 214	WASHER, 5/16 REG LOCK -2-

TRUCK-BACKHOE -21- SECTION M

BKH-1

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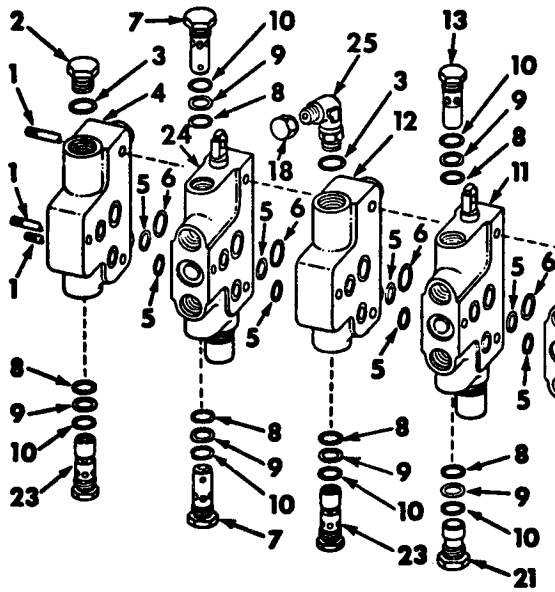
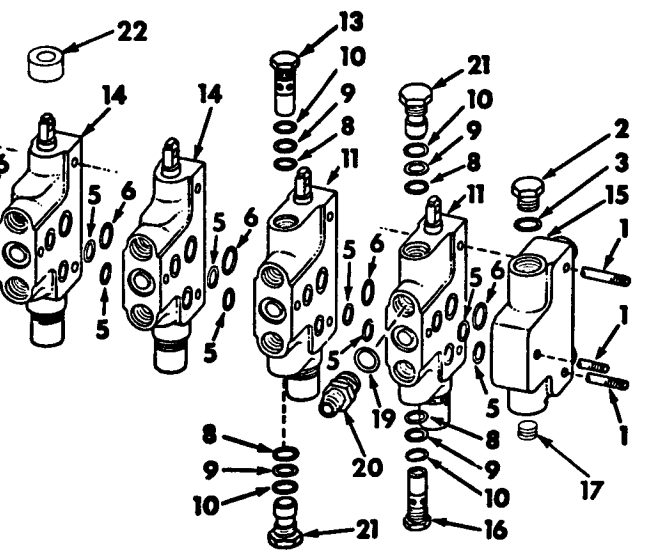
HYDRAULIC CONTROL VALVE



CA-1885

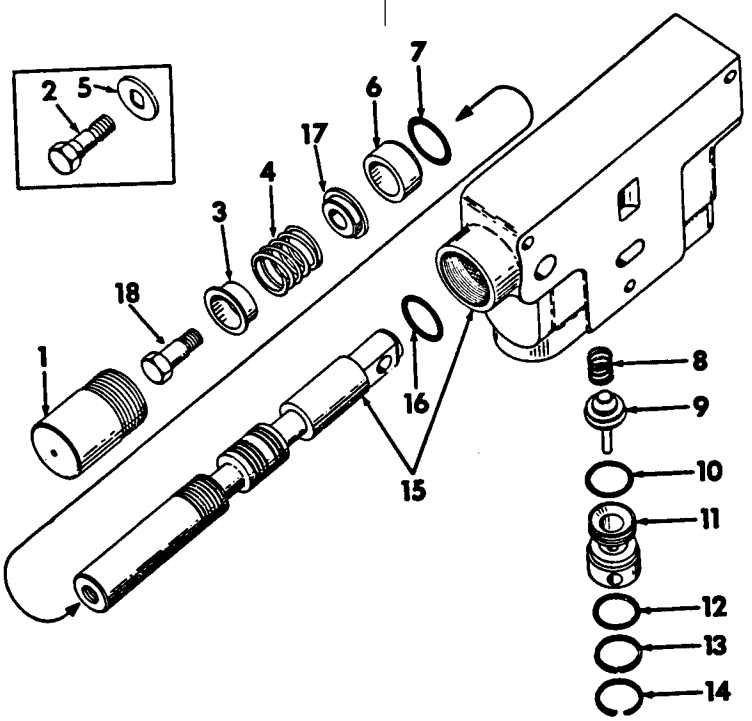
REF. NO.	PART NUMBER	DESCRIPTION
1	392 971 R1	ROD, TIE -3-
	102 635	NUT, 3/8-16 HEX. -6-
	527 476 R1	WASHER, 3/8 LOCK -6-
2	9 410 362	PLUG, 1-3/16 C-Z STR THD O-RING BOSS FOR 7/8 TUBE -2- -OUTLET VALVE COVER - LARGE-
3	297 459 R1	O-RING, 1-3/64 X 1-9/32 X 7/64 -3-
4	392 968 R2	COVER, LEFT SIDE END
5	381 884 R1	O-RING, 1 X 1-3/16 X 3/32 -16- -VALVE OUTLET COVER-
6	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32 -8- -VALVE OUTLET COVER-
7	387 229 R91	VALVE ASSY, ANTI-CAVITATION -2-
8	383 219 R1	O-RING, 15/16 X 1-1/8 X 3/32 -10- -PILOT OPERATED RELIEF VALVE-
9	378 985 R2	WASHER, PILOT OPERATED RELIEF VALVE BACKUP -10-
10	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32 -10- -PILOT OPERATED RELIEF VALVE-
11	394 705 R95	VALVE ASSY, HYD OPEN CENTER CONTROL -3- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-
12	395 006 R2	COVER, CENTER
13	382 479 R91	VALVE ASSY, CUSHION RELIEF- 2500 P.S.I. -2-

HYDRAULIC CONTROL VALVE -CONTINUED



REF. NO.	PART NUMBER	DESCRIPTION
14	383 271 R95	VALVE ASSY, HYD OPEN CENTER CONTROL -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-
15	392 970 R1	COVER, RIGHT SIDE END
16	382 928 R91	VALVE ASSY, CUSHION RELIEF-2000 PSI
17		NOT USED THIS APPLICATION
18	9 403 375	CAP, 1-3/16-12 37 DEG HYD FLARED TUBE
19	364 885 R1	O-RING, 3/4 X 15/16 X 3/32
20	397 699 R1	UNION ASSY, ORIFICE
21	378 899 R1	PLUG, RELIEF VALVE CHAMBER -3-
22	543 201 R1	SEAL, VALVE SPOOL DUST -6-
	20 703 R1	WASHER, 29/32 X 1-3/4 X 16 GA ZND -6
23	388 208 R93	VALVE ASSY, PILOT OPERATED RELIEF -2000 P.S.I.- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF PILOT RELIEF VALVE -
24	383 270 R94	VALVE ASSY, HYD OPEN CENTER CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-
25	9 410 980	ELBOW, 1-3/16-12 C-Z 37 DEG HYD FLARED TUBE 90 DEG

HYDRAULIC CONTROL VALVES
-THREE POSITION SPRING CENTERED-



A-74310D

REF. NO.	PART NUMBER	DESCRIPTION
	383 270 R94	VALVE ASSY, HYDRAULIC CONTROL
	383 271 R95	VALVE ASSY, HYDRAULIC CONTROL
	394 705 R95	VALVE ASSY, HYDRAULIC CONTROL
1	395 782 R2	CAP, CENTERING SPRING
2		NOT USED IN THIS APPLICATION
3	376 423 R1	RETAINER, CENTERING SPRING
4	384 381 R1	SPRING, CENTERING
5		NOT USED IN THIS APPLICATION
6	395 781 R3	RETAINER, VALVE SPOOL O-RING
7	528 249 R1	O-RING, 7/8 X 1-1/16 X 3/32 -CONTROL VALVE SPOOL LOWER-
8	395 278 R1	SPRING, CHECK POPPET
9	395 277 R1	POPPET, W/SEAL CHECK
10	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32 -CHECK BALL RETAINER INNER-
11	383 280 R1	RETAINER, CHECK BALL
12	362 796 R1	O-RING, 15/16 X 1-1/8 X 3/32 -CHECK BALL RETAINER OUTER-
13	376 433 R1	WASHER, VALVE BODY PLUG O-RING BACK-UP
14	537 603 R1	RING, CHECK BALL RETAINER SNAP

HYDRAULIC CONTROL VALVES -CONTINUED
-THREE POSITION SPRING CENTERED-

REF. NO.	PART NUMBER	DESCRIPTION
15		BODY ASSY, CONTROL VALVE -NOT SERVICED SEPARATELY, ORDER VALVE ASSY-
16	406 181 R1	O-RING, 7/8 X 1-1/8 X 1/8 -CONTROL VALVE SPOOL UPPER
17	406 825 R1	RETAINER, CENTERING SPRING
18	395 950 R1	SCREW, CENTERING SPRING
	383 548 R92	PACKAGE, OPEN CENTER CONTROL VALVE CONSISTS OF-

1	O-RING	406 181 R1
1	O-RING	528 249 R1
1	O-RING	359 158 R1
1	O-RING	$377 805 R1
1	O-RING	362 796 R1
1	O-RING	364 879 R1
1	PISTON, UNLATCHING	396 582 R1
1	POPPET ASSY	395 277 R1
1	RETAINER	382 852 R1
1	RETAINER	383 280 R1
1	RING, SNAP	537 603 R1
1	SPRING	395 278 R1
1	WASHER	376 433 R1

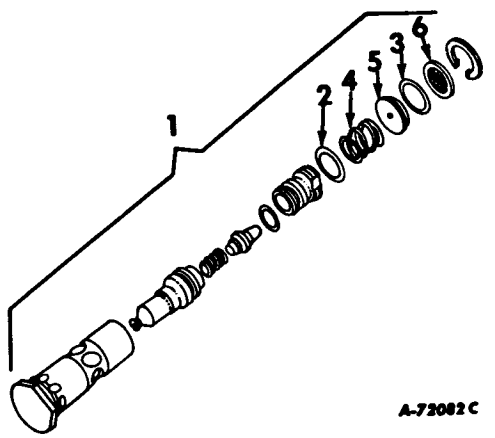
548 787 R91 PACKAGE, CONTROL VALVE LOWER SEAL -CONSISTS OF

1	O-RING	528 249 R1
1	RETAINER	395 781 R3
1	CAP	395 782 R2-

BKH-1

REF. NO.	PART NUMBER	DESCRIPTION

PILOT RELIEF VALVE



1	388 208 R93	VALVE ASSY, PILOT RELIEF -2000 P.S.I.-
2	406 185 R1	O-RING, 5/8 X 3/4 X 1/16 -POPPET-
3	298 385 R1	O-RING, 11/16 X 13/16 X 1/16 -ORIFICE PLATE-
4	386 040 R1	SPRING POPPET RETURN
5	386 042 R1	PLATE, ORIFICE
6	386 073 R91	SCREEN ASSY, PILOT RELIEF VALVE

TRUCK-BACKHOE -24- SECTION M

BKH-1

REF. NO.	PART NUMBER	DESCRIPTION

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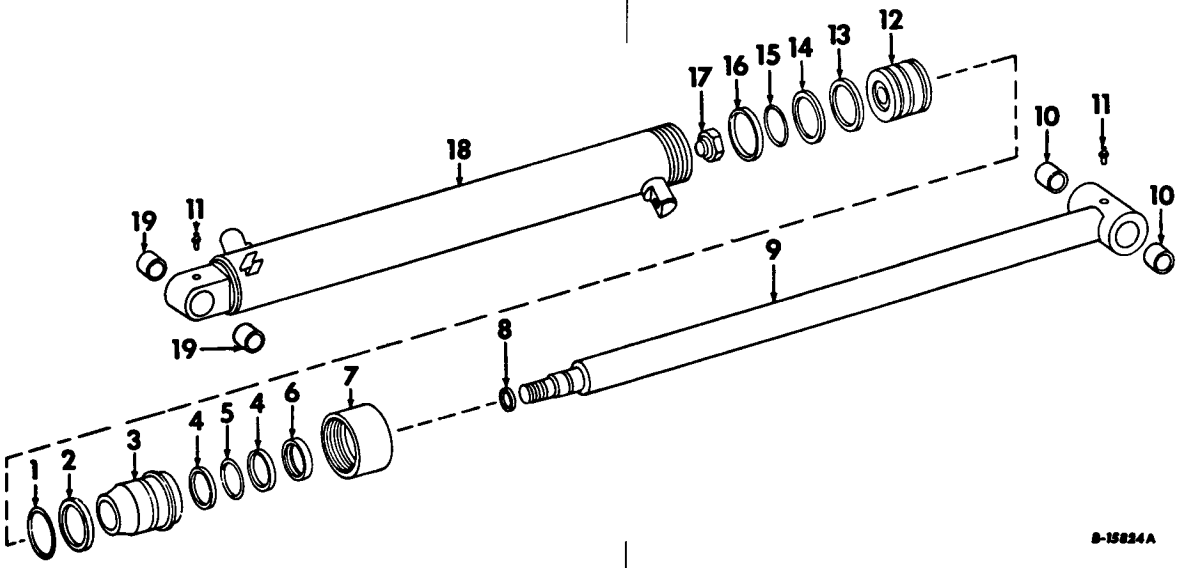
BKH-1

HYDRAULIC CYLINDERS



REF. NO.	PART NUMBER	DESCRIPTION
	545 040 R91	CYLINDER ASSY 4.0 X 33.70 -DIPPERSTICK- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT A-
	545 034 R91	CYLINDER ASSY, 3.0 X 19.95 -TILT- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT B-
	385 609 R93	CYLINDER ASSY, 3-1/2 X 27 -FOR BUCKET- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT C-
	385 616 R92	CYLINDER ASSY, 4 X 33.75 -FOR LIFT- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT D-
	385 612 R92	CYLINDER ASSY, 3-1/2 X 18.19 -FOR LEFT STABILIZER- -DOUBLE ACTION- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT E-
	385 613 R92	CYLINDER ASSY, 3-1/2 X 18.19 -FOR RIGHT STABILIZER- -DOUBLE ACTION- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT F-
1	381 871 R1	O-RING, FRONT HEAD STATIC -UNIT B-
1	352 216 R1	O-RING, 3-1/8 X 3-1/2 X 3/16 -UNIT C, E AND F-
1	347 801 R1	O-RING, 3-5/8 X 4 X 3/16 -UNIT A AND D-
2	387 370 R1	WASHER, FRONT HEAD O-RING BACKUP -UNIT B-
2	381 088 R1	WASHER, FRONT HEAD O-RING BACKUP -UNIT C, E AND F-
2	381 107 R1	WASHER, FRONT HEAD BACKUP -UNIT A AND D-
3	404 993 R1	HEAD, FRONT -UNIT B-
3	381 080 R1	HEAD, CYL FRT -UNIT C, E AND F-
3	381 106 R1	HEAD, FRONT -UNIT A AND D-

TRUCK-BACKHOE -25- SECTION M

BKH-1

HYDRAULIC CYLINDERS -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
4	403 622 R1	WASHER, PISTON ROD QUAD-RING BACK UP -2 -UNIT B-
4	381 083 R2	WASHER, PISTON ROD BACKUP -2- -UNIT A, C, D, E AND F-
5	400 745 R1	RING, PISTON ROD QUAD -UNIT B-
5	398 978 R1	QUAD RING, PISTON ROD -UNIT A, C, D, E AND F-
6	403 460 R1	WIPER, PISTON ROD -UNIT B-
6	619 072 C91	WIPER, PISTON ROD -UNIT A, C, D, E AND F-
7	381 873 R1	RING, FRONT HEAD RETAINING -UNIT B-
7	381 089 R1	RETAINER, FRONT HEAD -UNIT C, E AND F-
7	381 111 R1	RING, FRONT HEAD RETAINER -UNIT A AND D-
8	252 483 R1	O-RING, 1-1/4 X 1-1/2 X 1/8 -UNIT C, E AND F-
8	293 739 R1	O-RING, 1-3/8 X 1-5/8 X 1/8 -UNIT D-
9	545 041 R1	ROD ASSY, PISTON -UNIT A- -INCLUDES REF NO 10-
9	545 038 R1	ROD ASSY, PISTON -UNIT B- -INCLUDES REF NO 10-
9	381 078 R31	ROD W/BUSHINGS, PISTON -UNIT C- -INCLUDES REF NO 10-
9	384 254 R21	ROD W/BUSHINGS, PISTON -UNIT D- -INCLUDES REF NO 10-
9	381 097 R31	ROD W/BUSHINGS, PISTON -UNIT E AND F- -INCLUDES REF NO 10-

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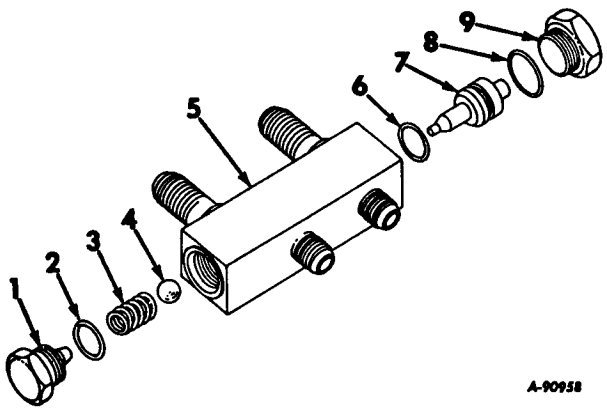
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CYLINDERS -CONTINUED	
10	468 280 R1	BUSHING -2- -UNIT C, E AND F-	
10	468 366 R1	BUSHING -2- -UNIT A AND D-	
11	109 461	FITTING, 1/8-27 PTF STR LUB -2 FOR UNIT E AND F- -1 FOR UNIT C AND D-	
11	126 152	FITTING, 1/8-27 PTF 45 DEG ANGLE LUB -1 FOR UNIT C AND D-	
12	533 373 R1	PISTON, CYLINDER -UNIT A-	
12	404 987 R1	PISTON, CYLINDER -UNIT B-	
12	381 084 R3	PISTON -UNITS C, E AND F-	
12	384 255 R1	PISTON -UNIT D-	
13	383 005 R1	RING, PISTON BEARING -UNIT C, E AND F-	
13	387 374 R1	RING, PISTON BEARING -UNIT B-	
13	383 006 R1	RING, PISTON BEARING -UNIT A AND D-	
14	533 374 R2	SEAL, PISTON -UNIT A-	
14	381 086 R1	SEAL, PISTON -UNIT C, E AND F-	
14	381 110 R1	SEAL, PISTON -UNIT D-	
15	533 375 R1	RING, PISTON INNER SEAL -UNIT A-	
15	387 373 R1	RING, PISTON SEAL -UNIT B-	
15	380 910 R1	O-RING, 3 X 3-3/16 X 3/32 -PISTON SEAL- -UNIT C, E AND F-	
15	381 109 R1	O-RING, 3-1/2 X 3-11/16 X 3-3/32 -UNIT D-	
16	387 374 R1	RING, PISTON BEARING -2- -UNIT B-	
16	383 005 R1	RING, PISTON BEARING REAR -UNIT C, E AND F-	
16	383 006 R1	RING, PISTON BEARING -UNIT A AND D-	
17	25 126 R1	NUT, 1-1/8-12 ZND HEX. LOCK -UNIT E AND F-	
17	20 251 R1	NUT, 1-1/8-12 C-2 CONELOCK -UNIT C-	
17	25 049 R1	NUT, 1-1/2-12 UNF-2B HEX LOCK -UNIT A AND D-	
17	9 416 471	NUT, HEX LOCK -UNIT B-	
18	385 610 R93	CYLINDER W/BUSHINGS -UNIT C- -INCLUDES REF NO 19-	
18	385 614 R91	CYLINDER W/BUSHINGS -UNIT E- -INCLUDES REF NO 19-	
18	385 615 R91	CYLINDER W/BUSHINGS -UNIT F- -INCLUDES REF NO 19-	
18	385 617 R91	CYLINDER W/BUSHINGS -UNIT A AND D- -INCLUDES REF NO 19-	
18	545 035 R1	BODY ASSY, HYD CYLINDER -UNIT B- -INCLUDES REF NO 19-	
19	468 280 R1	BUSHING -2- -UNIT C, E AND F-	
19	468 366 R1	BUSHING -2- -UNIT A AND D-	

TRUCK-BACKHOE -26- SECTION M

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CYLINDERS -CONTINUED	
	533 624 R92	KIT, HYD CYL SERVICE -UNIT A- -CONSISTS OF	
		2 RING 383 006 R1	
		1 SEAL 533 374 R2	
		1 RING 533 375 R1	
		1 O-RING 347 801 R1	
		1 WASHER 381 107 R1	
		1 QUAD-RING 398 978 R1	
		2 WASHER 381 083 R2	
		1 WIPER 619 072 C91	
		1 RING 381 111 R1-	
	406 941 R91	KIT, HYD CYL SERVICE -UNIT B- -CONSISTS OF	
		1 WIPER 403 460 R1	
		1 SEAL 387 373 R1	
		1 RING 383 017 R1	
		1 RING 387 374 R1	
		1 O-RING 253 070 R1	
		1 O-RING 381 871 R1	
		1 WASHER 387 370 R1	
		1 QUAD-RING 400 744 R1	
		2 WASHER 403 622 R1	
		1 RING 381 873 R1-	
	471 267 R94	PACKAGE, HYD CYL SERVICE -UNIT C, E AND F- CONSISTS OF -	
		1 O-RING 252 483 R1	
		1 O-RING 352 216 R1	
		1 O-RING 380 910 R1	
		1 QUAD-RING 398 978 R1	
		2 RING 383 005 R1	
		1 SEAL 381 086 R1	
		2 WASHER 381 083 R2	
		1 WASHER 381 088 R1	
		1 WIPER 619 072 C91-	
	471 266 R95	PACKAGE, HYD CYL SERVICE -UNIT D- CONSISTS OF-	
		1 O-RING 252 483 R1	
		1 O-RING 347 801 R1	
		1 QUAD-RING 398 978 R1	
		1 O-RING 381 109 R1	
		1 O-RING 293 739 R1	
		2 RING 383 006 R91	
		1 SEAL 381 110 R1	
		2 WASHER 381 083 R2	
		1 WASHER 381 107 R1	
		1 WIPER 619 072 C91-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

CHECK VALVE
-STABILIZER-



REF. NO.	PART NUMBER	DESCRIPTION
	400 433 R91	VALVE ASSY, STABILIZER CHECK
1	370 967 R1	PLUG, CHECK VALVE
2	364 885 R1	O-RING FOR 5/8 OD TUBE CHECK VALVE RING
3	372 649 R1	SPRING, CHECK VALVE
4	17 016 R1	BALL, 1/2 CR-STL
5		BLOCK ASSY, CHECK VALVE -NOT SERVICED SEPERATELY ORDER ASSY/400 433 R91-
6	350 667 R1	RING, ACTUATOR CHECK VALVE SEAL PISTON
7	362 707 R2	PISTON, ACTUATOR CHECK VALVE
8	368 269 R1	O-RING FOR 3/4 OD TUBE CHECK VALVE RING
9	400 664 R1	PLUG, O-RING BOSS

TRUCK-BACKHOE -27- SECTION M

REF. NO. PART NUMBER DESCRIPTION BKH-1

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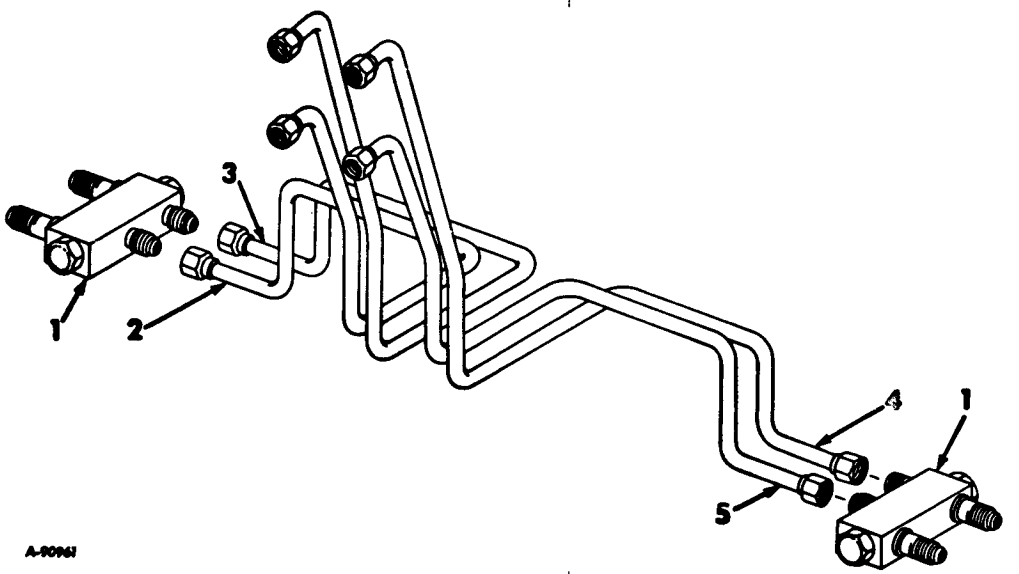
BKH-1

CHECK VALVE AND CONNECTIONS
-STABILIZER-



REF. NO.	PART NUMBER	DESCRIPTION
1	400 433 R91	VALVE ASSY, STABILIZER CHECK -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF STABILIZER CHECK VALVE-
	138 561	WASHER, 3/4 C-Z INT-TOOTH LOCK -4-
9	403 294	NUT, 3/4-16 BULKHEAD UNION LOCK -4-
2	488 874 R1	TUBE ASSY, BOTTOM PORT RIGHT STABILIZER
3	488 872 R1	TUBE ASSY, TOP PORT RIGHT STABILIZER
4	488 876 R1	TUBE ASSY, TOP PORT LEFT STABILIZER
5	488 879 R1	TUBE ASSY, BOTTOM PORT LEFT STABILIZER

TRUCK-BACKHOE -28- SECTION M
BKH-1
CHECK VALVE AND CONNECTIONS -CONTINUED
-STABILIZER-

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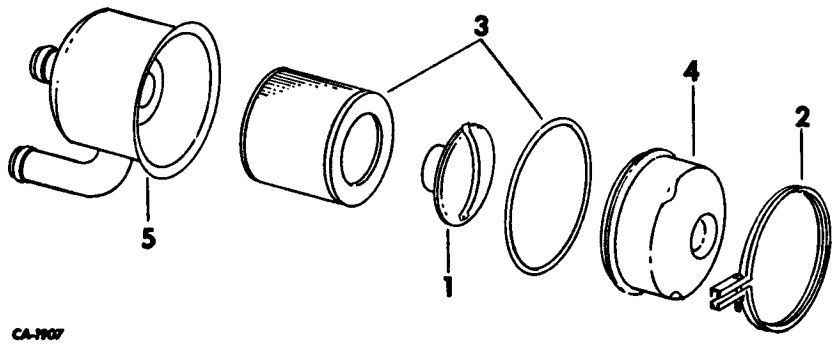
REVISION NO. 18

REF. NO.	PART NUMBER	DESCRIPTION	8KH-1

OIL FILTER



CA-1907

	547 254 R92	FILTER ASSY, OIL
1	402 211 R1	VALVE AND SCREEN ASSY
2	541 455 R1	CLAMP ASSY, V
	15 053 R1	BOLT, 5/16 X 1-3/4 SQ-NK CRG
	120 376	NUT, 5/16-18 C-Z HEX.
3	547 412 R91	PACKAGE, OIL FILTER ELEMENT
4		COVER -NOT SERVICED SEPARATELY, ORDER FILTER ASSY-
5		BODY, FILTER -NOT SERVICED SEPARATELY, ORDER FILTER ASSY-

TRUCK-BACKHOE -29- SECTION M

REF. NO.	PART NUMBER	DESCRIPTION	8KH-1

OIL FILTER -CONTINUED

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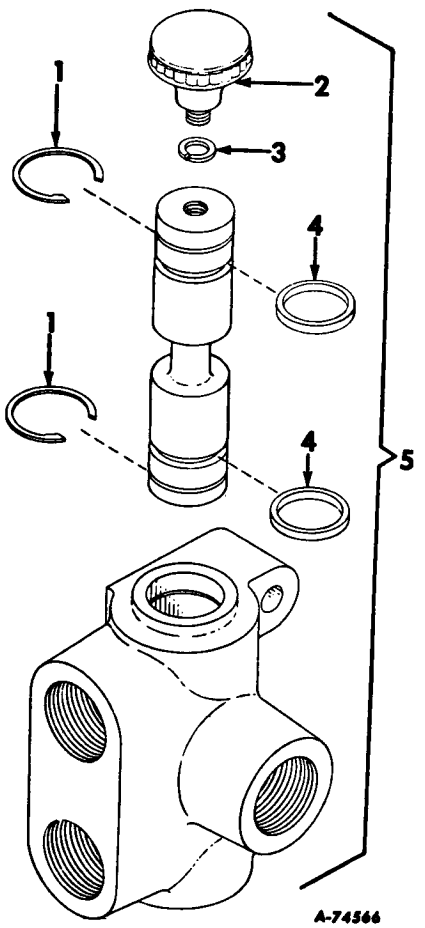
BKH-1

REF. NO.	PART NUMBER	DESCRIPTION

DIVERTER VALVE



1	661 652 R1	RING, SELECTOR VALVE RETAINING -2- -NOTE A-
1	23 090 R1	RING, SELECTOR VALVE RETAINING -2- -NOTE B-
2	384 283 R1	KNOB, CONTROL -NOTE A-
2	389 255 R1	KNOB, CONTROL -NOTE B-
3	120 381	WASHER, 3/8 C-Z LOCK -NOTE A-
3	131 099	WASHER, 3/8 C-Z HV-LOCK -NOTE B-
4	352 221 R1	O-RING, 9/16 X 3/4 X 3/32 -2- -NOTE A-
4	403 519 R1	O-RING, 9/16 X 3/4 X 3/32 -2- -NOTE B-
5	383 946 R91	VALVE ASSY, DIVERTER -NOTE A-
5	389 251 R92	VALVE ASSY, DIVERTER -NOTE B-

NOTE A - FOR SERVICE OF GRESEN DIVERTER VALVE-

NOTE B - FOR SERVICE OF IH MANUFACTURED DIVERTER VALVE-

TRUCK-BACKHOE -30- SECTION M

BKH-1

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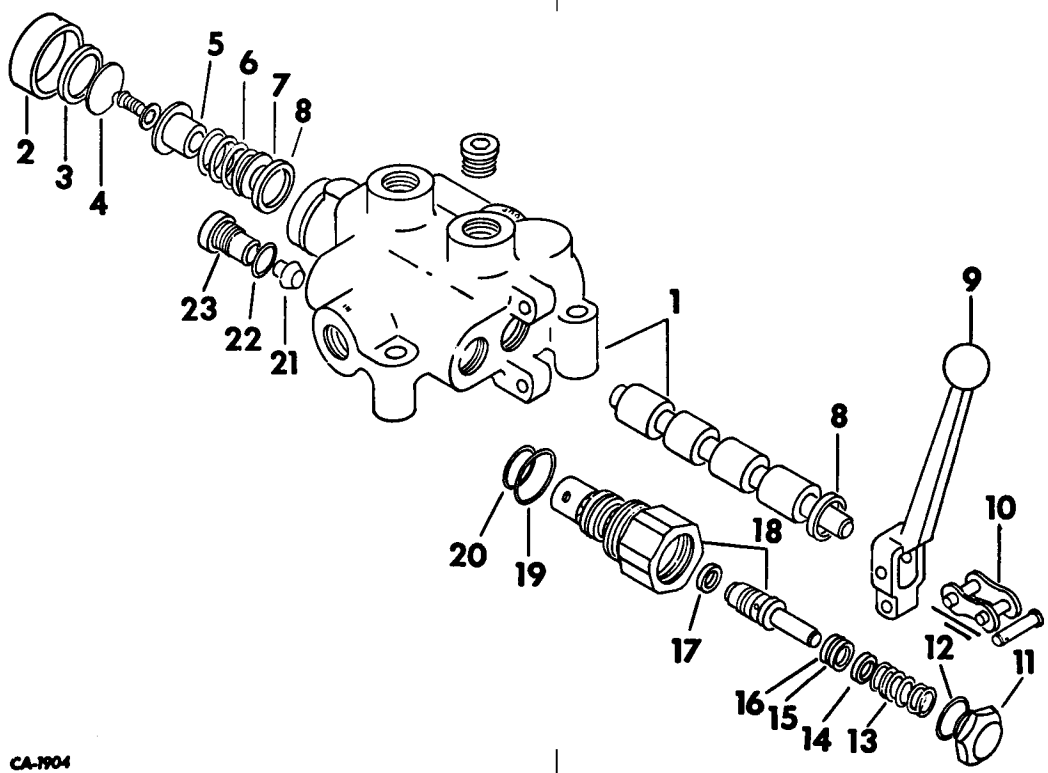
HYDRAULIC TILT CONTROL VALVE



CA-1904

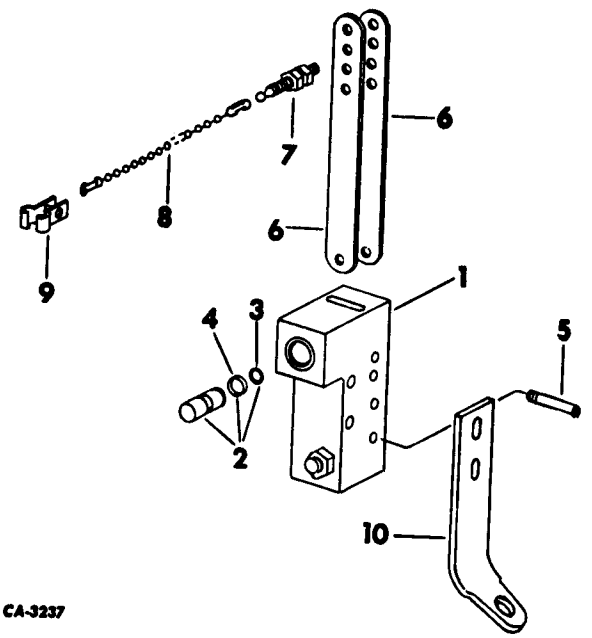
REF. NO.	PART NUMBER	DESCRIPTION
	547 376 R91	VALVE ASSY, TILT CONTROL
1	56 051 C91	VALVE ASSY, BODY & SPOOL
2	663 034 R1	CAP, BONNET
3	663 025 R1	RING, SNAP STOP DISK
4	663 023 R1	CAP, END
5	663 022 R1	COLLAR, STOP
	20 710 R1	SCREW, 1/4-20 X 1/2 ZND PAN-HD
	174 878	WASHER, 1/4 INT-TOOTH LOCK
6	663 024 R1	SPRING, CENTERING
7	149 372 R1	WASHER, STOP
8		SEAL SPOOL -NOT SERVICED SEPERATELY ORDER KIT 56 052 C91-
9	380 366 R1	HANDLE
10	635 714 R91	LINK ASSY, HANDLE
	137 228	PIN, 5/32 X 1-1/2 COT.
11	850 113 R1	CAP, RELIEF
12		O-RING -NOT SERVICED SEPERATELY ORDER KIT 56 052 C91-
13	850 109 R1	SPRING, 1751-2200 PSI CRACK 1451
14	850 112 R1	SHIM, .010
15	850 110 R1	SHIM, .040
16	850 111 R1	SHIM, .020
17	850 108 C1	PISTON, RING

HYDRAULIC TILT CONTROL VALVE -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
18	547 539 R1	BODY, RELIEF VALVE
19		O-RING -NOT SERVICED SEPERATELY ORDER KIT 56 052 C91-
20		O-RING -NOT SERVICED SEPERATELY ORDER KIT 56 052 C91-
21	666 719 R1	POPPET, CHECK -2-
22		O-RING -NOT SERVICED SEPERATELY ORDER KIT 56 052 C91-
23	666 722 R1	PLUG, REAR CHECK
	56 052 C91	KIT, SEAL AND O-RING SERVICE -CONSISTS OF $2 SEAL 663 032 R1 $1 O-RING 364 885 R1 $1 O-RING 343 900 R1 $1 O-RING 384 943 R1 $1 O-RING 352 221 R1-

BKH-1

THROTTLE CONTROL



CA-3237

REF. NO.	PART NUMBER	DESCRIPTION
	56 818 C91	THROTTLE CONTROL ASSY
1		BODY, THROTTLE CONTROL -NOT SERVICED SEPERATELY ORDER ASSY/56 818 C91-
2	57 692 C1	PISTON ASSY
3	57 718 C1	O-RING
4	57 690 C1	RING, GLYD
5	56 829 C1	SCREW, PIVOT
6	56 830 C1	SPRING, LEAF -2-
	138 714	SCREW, SET 3/8-16 X 7/8 OVAL HEX-SOC-PLN
	124 829	NUT, 3/8-16 ZND HEX JAM -2-
	223 095	SCREW, SET 3/8-16 X 1-1/4 HF DOG HEX-SOC-PLN
7	56 831 C1	ROD ASSY, ACTIVATING
	24 955 R1	NUT, 1/4-28 CAD HEX JAM -2-
8	56 832 C1	CHAIN ASSY
9	56 833 C1	CLIP ASSY, ROD -2-
	132 915	SCREW, NO. 10-32 RD-HD-SL
	21 202 R1	WASHER, NO. 10 REG LOCK
	24 734 R1	NUT, NO. 10-32 HEX PLN
10	56 834 C1	BRACKET
	181 595	SCREW, 5/16-24 X 3/4 ZND HEX-HD -2-
	120 214	WASHER, 5/16 ZND REG LOCK -2-
	120 393	WASHER, 5/16 ZND FLAT -2-

TRUCK-BACKHOE -32- SECTION M
BKH-1
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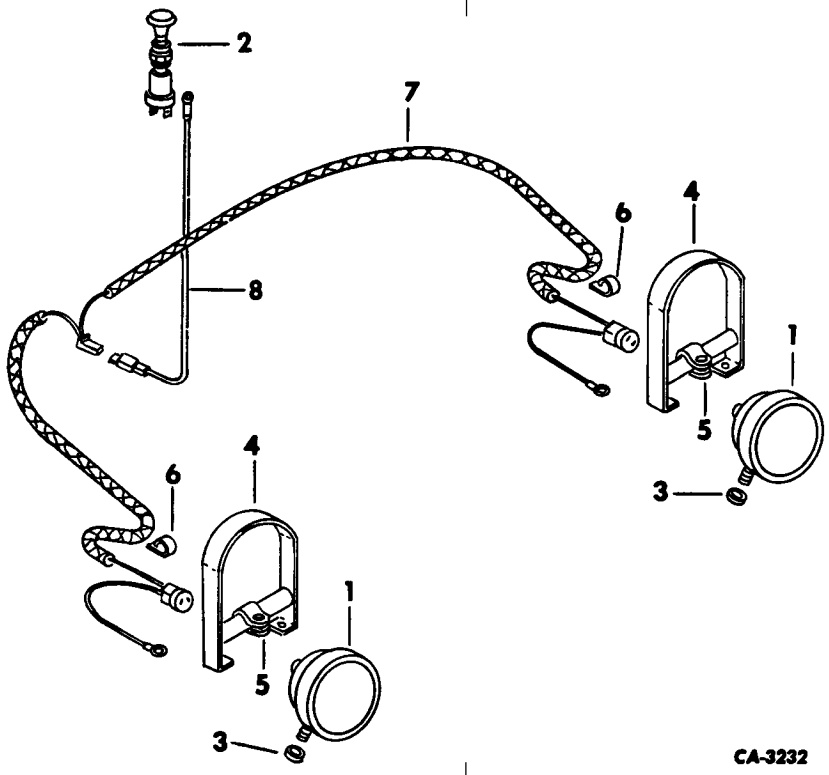
BKH-1

BACKHOE MAINFRAME LIGHTS



CA-3232

REF. NO.	PART NUMBER	DESCRIPTION
1	391 005 R91	LIGHT ASSY, REAR SHOCK PROOF -2-
2	362 818 R91	SWITCH, LIGHTING
3	365 503 R1	SPACER, LAMP -2-
	120 384	WASHER, 1/2 ZND REG LOCK -2-
	120 378	NUT, 1/2-13 ZND HEX. -2-
4	482 979 R11	GUARD ASSY, BACKHOE LAMP -2-
5	350 920 R1	CLAMP, HEAD LAMP -2-
	180 124	SCREW, 3/8-16 X 1-1/4 ZND HEX-HD CAP -4-
	120 382	WASHER, 3/8 ZND REG LOCK -4-
	120 377	NUT, 3/8-16 ZND HEX. -4-
6	366 460 R1	CLIP, CABLE -2-
7	58 685 C1	CABLE ASSY, SWITCH TO BACKHOE LIGHTS
8	481 736 R91	CABLE, SWITCH TO HEAD LIGHT CABLE

TRUCK-BACKHOE -33- SECTION M
BKH-1
BACKHOE MAINFRAME LIGHTS -CONTINUED
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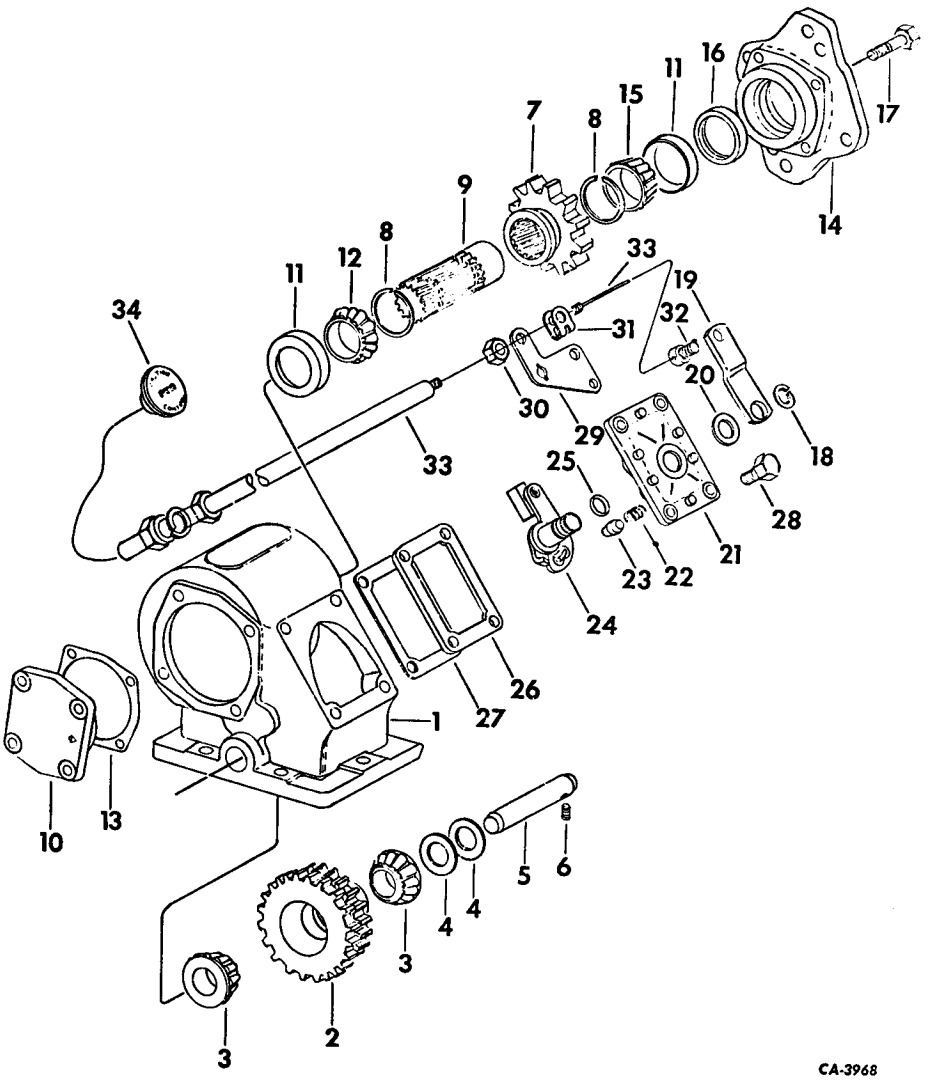
REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

TRANSMISSION POWER TAKE OFF



CA-3968

REF. NO.	PART NUMBER	DESCRIPTION
1	437 609 C1	HOUSING, PTO
2	61 086 C1	GEAR, CLUSTER IDLER
3	400 990 R91	CONE, INPUT GEAR BEARING -2-
4	408 217 C1	SPACER, BRG ADJ. .0555/.0545 THICK -1 OR AS REQUIRED-
5	61 088 C1	SHAFT, INPUT GEAR
6	408 224 C1	SCREW, 1/4-20 X 1/2 HEX-SOC OVAL-PT SET
7	61 085 C1	GEAR, OUTPUT SLIDING

TRUCK-BACKHOE -34- SECTION M

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

TRANSMISSION POWER TAKE OFF -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
8	406 010 C1	RING, EXTERNAL RETAINING -2-
9	61 089 C1	SHAFT, PUMP ADAPTER
10	415 089 C1	CAP, BEARING
11	642 954 R1	CUP, TAPERED BEARING -2-
12	317 009 C91	CONE, TAPERED BEARING
13	330 679 R1	GASKET, BEARING CUP .010 -2-
	26 679 R1	BOLT, 5/16-18 X 1 PHC TORQUE -4-
14	61 090 C1	FLANGE, PUMP ADAPTER
15	459 456 R91	CONE, TAPERED BEARING

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		TRANSMISSION POWER TAKE OFF -CONTINUED	
16	415 182 C91	SEAL, OUTPUT SHAFT OIL	
17	61 094 C1	SCREW, 5/16-18 X 1-1/2 -4- HEX-SOC HD NYLON LOCKING CAP	
	181 593	SCREW, 5/16-24 X 5/8 HEX-HD CAP	
18	162 133 H1	WASHER, 5/16 SPECIAL LOCK	
19	883 746 C1	LEVER, SHIFTER	
20	162 134 H1	WASHER, .64 X 1.0 X 13 GA.	
21	883 744 C1	COVER, SHIFTER	
22	883 747 C1	SPRING, SHIFTER BALL	
23	419 372 C1	POPPET, SHIFTER	
24	61 091 C1	PLATE & POST, E-Z SHIFTER	
25	352 221 R1	O-RING, 9/16 X 3/4 X 3/32	
26	61 092 C1	SPACER, SHIFTER COVER	
27	619 299 C1	GASKET, GEAR SHIFTER COVER -2-	
28	531 686 R1	SCREW, 5/16-18 X 7/8 -4- HEX-HD NYLON LOCKING CAP	
29	404 493 C1	BRCKET, WIRE CONTROL	
30	329 715 C1	NUT, BUSHING	
31	329 714 C1	BRACKET, SWIVEL	
	119 504	SCREW, 1/4-20 X 1/2 SQ-HD SET	
32	66 194 U	IN, PIVOT	
	180 020	SCREW, 1/4-20 X 3/4 ZND HEX-HD CAP	
33	415 087 C91	CABLE, WIRE CONTROL	
34	441 092 C1	KNOB, CONTROL CABLE	

TRUCK-BACKHOE -35- SECTION M

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		PRODUCT GRAPHICS	
	544 266 R91	PACKAGE, PRODUCT GRAPHIC -CONSISTS OF	
		$ PRODUCT GRAPHIC, BACKHOE LH STABILIZER	
		$ PRODUCT GRAPHIC, BACKHOE RH STABILIZER	
		$ PRODUCT GRAPHIC, BACKHOE DIPPERSTICK	
		$ PRODUCT GRAPHIC, BACKHOE BUCKET	
		$ PRODUCT GRAPHIC, BACHHOE SWING	
		$ PRODUCT GRAPHIC, BACKHOE BOOM	
		$ PRODUCT GRAPHIC, GREASE GUN	
		$ PRODUCT GRAPHIC, IMPORTANT	
		$ PRODUCT GRAPHIC, IMPORTANT -2000 P.S.I.-	

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REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

TRUCK-BACKHOE -36- SECTION M

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

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BKH-1

3082 SERIES B BACKHOE

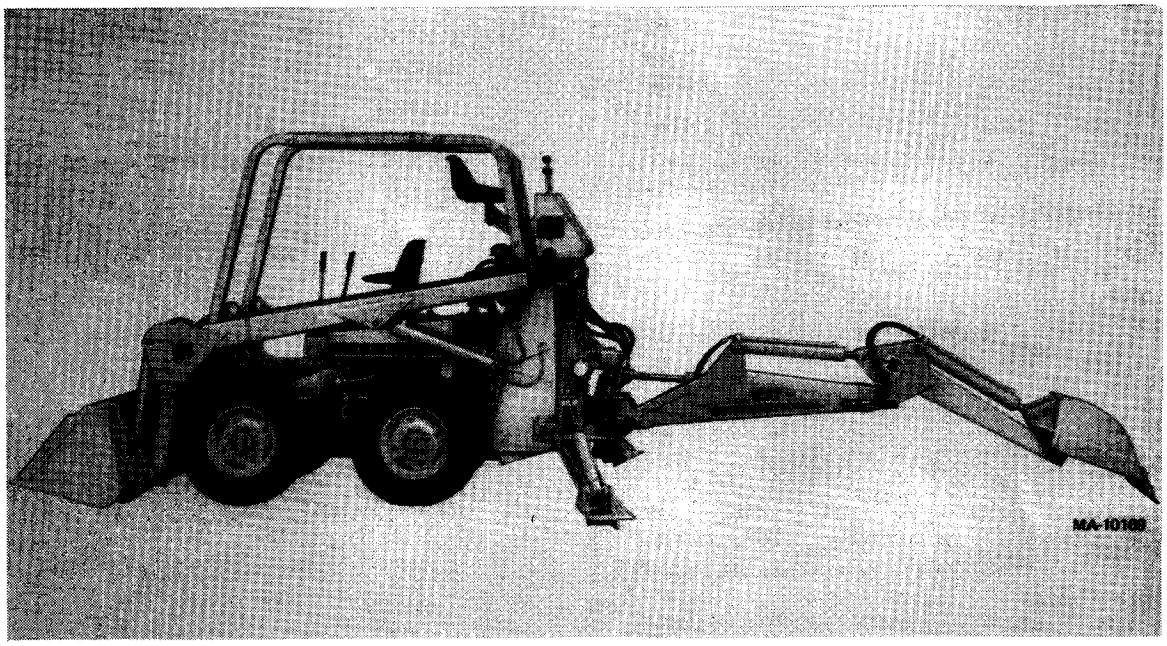
Built 1974 and Since

For use with the following Tractors:

3200 Series B Loader Tractors

3300 Series B Loader Tractors

All tractors equipped with Category I
or Category II point hitches

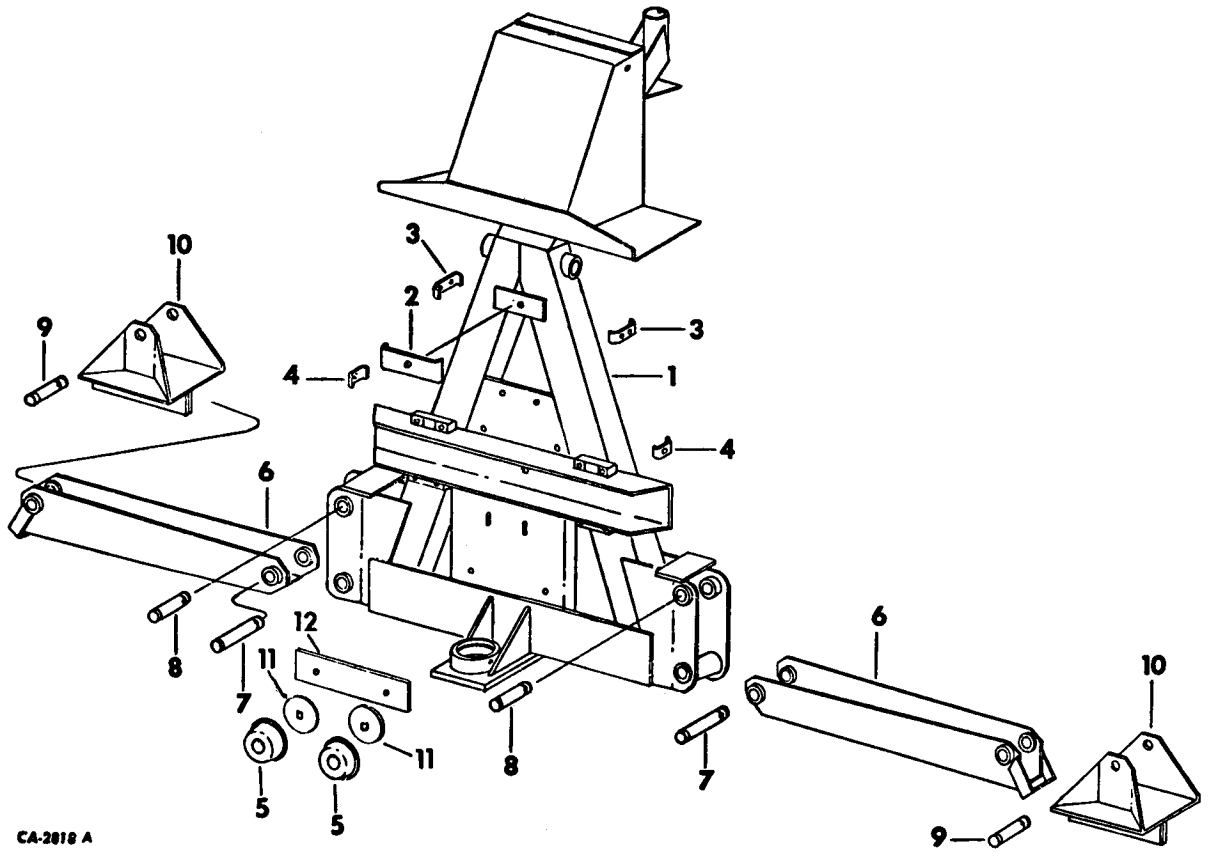


3082 Series B Backhoe mounted on 3200 Series B Loader Tractor

INDEX TO UNITS BKH-1

DESCRIPTION	Gp	Pg	Grid
ANTI-INTERFERENCE, w/3 Point Hitch		16	4 A17
BOOM		4	4 A5
BRACKET, Mounting w/Pin		14	4 A15
BUCKET		4	4 A5
CONTROL, Hydraulic		6	4 A7
COUNTERWEIGHT		17	4 A18
CYLINDER			
Boom		19	4 A20
Bucket		19	4 A20
Dipperstick		19	4 A20
Stabilizer		21	4 A22
Swing		18	4 A19
DEFLECTOR, Heat		15	4 A16
DIPPERSTICK		4	4 A5
FRAME, Main		3	4 A4
HYDRAULIC CONNECTIONS			
Boom		8	4 A9
Bucket		8	4 A9
Control Valve		10	4 A11
Stabilizers		8	4 A9
POWER SUPPLY		12	4 A13
PRODUCT GRAPHICS		17	4 A18
SEAT		7	4 A8
STABILIZER		3	4 A4
SUPPORT, Seat		7	4 A8
SWING MECHANISM		13	4 A14
VALVE			
Control		22	4 B1
Section		23	4 B2

MAIN FRAME AND STABILIZERS

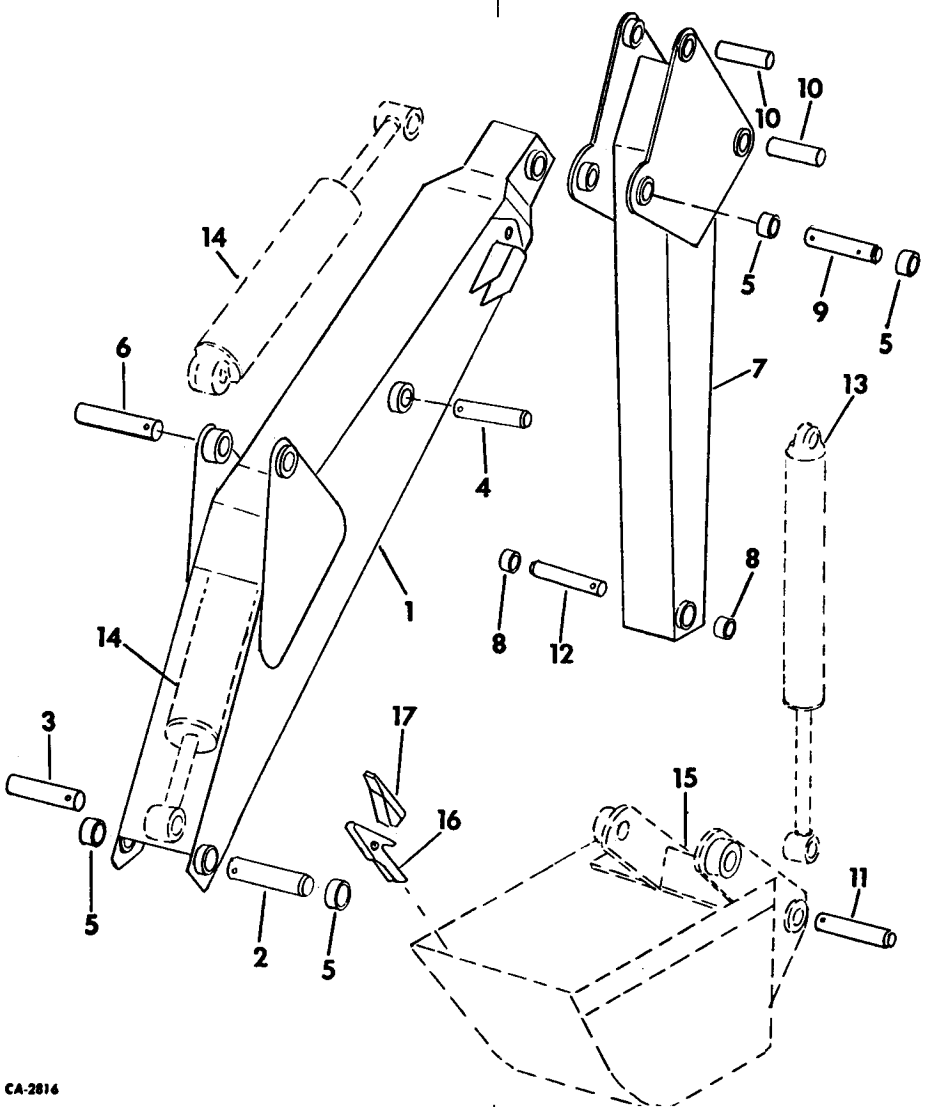


REF. NO.	PART NUMBER	DESCRIPTION
1	60 333 C1	MOUNTING, -A- FRAME ASSY
	109 461	FITTING, 1/8-27 NPT -3-
2	55 380 C1	CLAMP, UPPER FRAME HOSE
	180 083	SCREW, 5/16-18 X 1-1/2 ZND HEX-HD CA
	9 412 083	NUT, 5/16-18 PREVAILING TORQUE HEX LOCK
3	55 381 C1	CLAMP, UPPER FRAME TUBE -2-
	180 081	SCREW, 5/16-18 X 1 ZND HEX-HD CAP -4-
	120 214	WASHER, 5/16 ZND MED LOCK -4-
	120 376	NUT, 5/16-18 ZND HEX. -6-
4	56 080 C1	CLAMP, LOWER FRAME TUBE -2-
	180 081	SCREW, 5/16-18 X 1 ZND HEX-HD CAP -2-
	120 214	WASHER, 5/16 ZND MED LOCK -2-
5	56 081 C1	PAD ASSY, BUMPER -2-
	18 422 R1	BOLT, 3/8-16 X 1-3/4 ZND SQ-NK CRG -2-
	120 377	NUT, 3/8-16 ZND HEX. -2-
	120 382	WASHER, 3/8 ZND MED LOCK -2-
6	56 082 C1	STABILIZER ASSY, -2-

MAIN FRAME AND STABILIZERS -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
7	56 083 C1	PIN, STABILIZER PIVOT -2-
	21 938 R1	PIN, 5/16 X 2-3/8 ZND HEADED -2-
	103 384	PIN, 1/8 X 3/4 COT. -2-
8	56 084 C1	PIN, STABILIZER CYL PIVOT -2-
	21 938 R1	PIN, 5/16 X 2-3/8 ZND HEADED -2-
	103 384	PIN, 1/8 X 3/4 COT. -2-
9	56 085 C1	PIN, STABILIZER PAD PIVOT -2-
	758 318 C1	RING, HD RETAINING -4-
10	56 086 C1	PAD ASSY, STABILIZER -2-
11	57 615 C1	PLATE, MOUNTING -2-
12	57 616 C1	PLATE, BUMPER PAD SPACER

BOOM, BUCKET AND DIPPERSTICK



CA-2816

REF. NO.	PART NUMBER	DESCRIPTION
1	56 093 C1	BOOM ASSY
	57 617 C1	CLAMP -2-
	180 022	SCREW, 1/4-20 X 1 ZND HEX-HD CAP -2-
	120 375	NUT, 1/4-20 ZND HEX. -2-
	120 380	WASHER, 1/4 ZND MED LOCK -2-
2	56 094 C1	PIN, BOOM PIVOT
	109 461	FITTING, 1/8-27 NPT STR LUB
	22 775 R1	PIN, 3/8 X 2-1/2 ZND HEADED
	103 384	PIN, 1/8 X 3/4 COT
3	56 095 C1	PIN, BOOM CYL PIVOT
	21 938 R1	PIN, 5/16 X 2-3/8 ZND HEADED
	103 384	PIN, 1/8 X 3/4 COT.

BOOM, BUCKET AND DIPPERSTICK -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
4	56 096 C1	PIN, BOOM CYL
	21 938 R1	PIN, 5/16 X 2-3/8 ZND HEADED
	103 384	PIN, 1/8 X 3/4 COT.
5	56 097 C1	BUSHING, BOOM & DIPPERSTICK PIVOT -4-
6	56 098 C1	PIN, DIPPERSTICK CYL PIVOT
	21 938 R1	PIN, 5/16 C 2-3/8 ZND HEADED
	103 384	PIN, 1/8 X 3/4 COT
7	56 099 C1	DIPPERSTICK ASSY

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		BOOM, BUCKET AND DIPPERSTICK -CONTINUED	
8	56 100 C1	BUSHING, DIPPERSTICK PIVOT TUBE -2-	
9	56 101 C1	PIN, DIPPERSTICK PIVOT	
	109 461	FITTING, 1/8-27 NPT STR LUB	
	22 775 R1	PIN, 3/8 C 2-1/2 ZND HEADED	
	103 384	PIN, 1/8 X 3/4 COT	
10	56 102 C1	PIN, BUCKET AND DIPPERSTICK CYL -2-	
	21 938 R1	PIN, 5/16 X 2-3/8 ZND HEADED -2-	
	103 384	PIN, 1/8 X 3/4 COT. -2-	
11	56 103 C1	PIN, BUCKET PIVOT	
	21 938 R1	PIN, 5/16 X 2-3/8 ZND HEADED	
	103 384	PIN, 1/8 X 3/4 COT.	
12	56 104 C1	PIN, BUCKET PIVOT	
	109 461	FITTING, 1/8-27 NPT STR LUB	
	21 938 R1	PIN, 5/16 X 2-3/8 ZND HEADED	
	103 384	PIN, 1/8 X 3/4 COT	
13	56 248 C92	CYLINDER ASSY, BUCKET -FOR COMPONENT DETAILS REFER TO BOOM, BUCKET AND DIPPERSTICK CYLINDER LISTING-	
14	56 247 C92	CYLINDER ASSY, BOOM AND DIPPERSTICK -2- -FOR COMPONENT DETAILS REFER TO BOOM, BUCKET AND DIPPERSTICK CYLINDER LISTING-	
15		BUCKET -SERVICED ONLY AS A MACHINE ATTACHMENT-	
16	470 240 R1	SHANK, TOOTH -3- -3 USED FOR 12 IN., 3 USED 16 IN., 4 USED FOR 18 IN., 5 USED FOR 24 IN., TRENCHING BUCKETS-	
17	470 242 R1	POINT, TOOTH -3- -3 USED FOR 12 IN., 3 USED 16 IN., 4 USED FOR 18 IN., 5 USED FOR 24 IN., TRENCHING BUCKETS-	

-5- SECTION N
3082 SERIES B BACKHOE

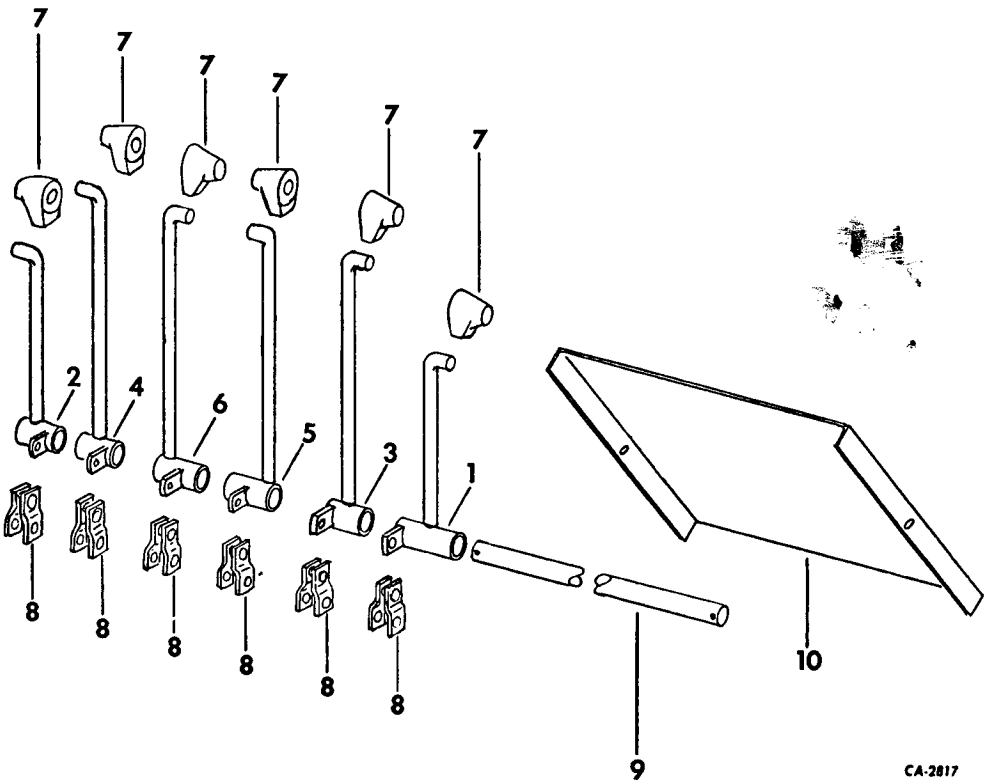
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

3082 SERIES B BACKHOE -6- SECTION N

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

CONTROLS

CONTROLS -CONTINUED



1	56 114 C1		LEVER ASSY, RH STAB VALVE
2	56 113 C1		LEVER ASSY, LH STAB VALVE
3	56 116 C1		LEVER ASSY, SWING VALVE
4	56 115 C1		LEVER ASSY, DIPPERSTICK VALVE
5	56 118 C1		LEVER ASSY, BUCKET VALVE
6	56 117 C1		LEVER ASSY, BOOM VALVE
7	379 022 R2		KNOB, HYD VALVE LEVER -6-
8	56 119 C1		LINK, CONNECTING W/COT PINS -6-
9	56 120 C1		ROD, VALVE LEVER PIVOT
	137 185		PIN, COT. -2-
10	56 139 C1		PLATE, VALVE COVER
	23 986 R1		SCREW, 1/4-14 X 1/2 CAD HEX. WASHER HD TAP. -2-
	120 380		WASHER, 1/4 ZND MED LOCK -2-

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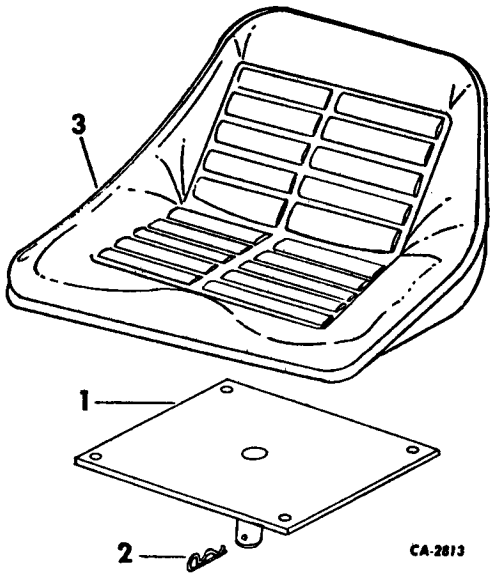
REF. NO.	PART NUMBER	DESCRIPTION

SEAT AND SUPPORT

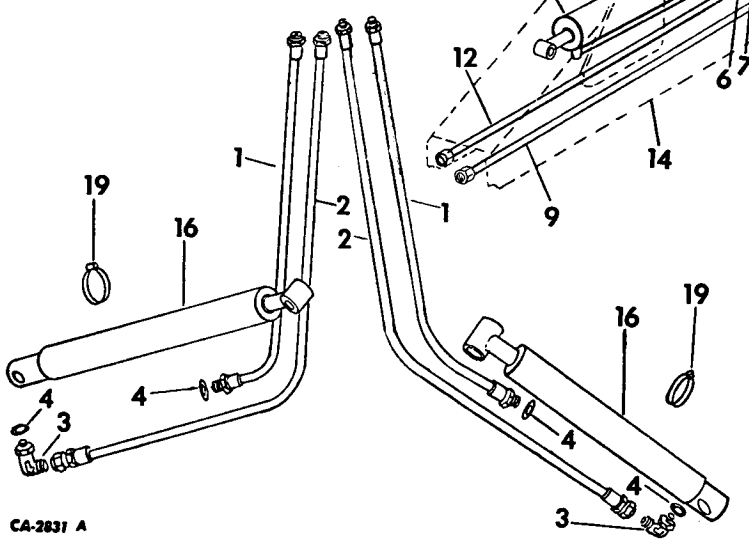


1	56 121 C1	PLATFORM ASSY, SEAT
2	540 393 R1	PIN, EXTERNAL SPRING
3	528 844 R1	SEAT ASSY.
	180 078	SCREW, 5/16-18 X 7/8 ZND HEX-HD CAP -4-
	120 214	WASHER, 5/16 ZND MED LOCK -4-

-7- SECTION N
3082 SERIES B BACKHOE
BKH-1

REF. NO.	PART NUMBER	DESCRIPTION

HYDRAULIC CONNECTIONS -FOR BOOM, BUCKET AND STABILIZERS-



REF. NO.	PART NUMBER	DESCRIPTION
1	56 132 C1	HOSE ASSY, TUBE TO ROD SIDE STABILIZER CYLINDER -2-
2	56 133 C1	HOSE ASSY, TUBE TO PISTON SIDE STABILIZER CYLINDER -2-
3	9 410 976	ELBOW, 9/16-18 HYD 37 DEG FLARED TUBE TUBE STR THD 90 DEG -2-
4	364 839 R1	O-RING, 3/8 OD TUBE -4-
5	56 134 C1	TUBE ASSY, HOSE TO ROD SIDE BOOM CYL
6	481 352 R1	UNION, 3/4-16 TO 7/8-14 HYD 37 DEG FLARED TUBE SHORT SWIVEL REDUCER -2-
7	364 885 R1	O-RING, 5/8 OD TUBE -4-
8	56 135 C1	TUBE ASSY, HOSE TO PISTON SIDE BOOM CYL
9	56 137 C1	TUBE ASSY, RH INSIDE BOOM BUCKET CYL RETRACTING

HYDRAULIC CONNECTIONS -FOR BOOM, -CONTINUED BUCKET AND STABILIZERS-

REF. NO.	PART NUMBER	DESCRIPTION
10	9 403 255	UNION, 3/4-16 HYD 37 DEG FLARED TUBE BULKHEAD -2-
11	9 403 294	NUT, 3/4-16 BULKHEAD UNION LOCK -2-
12	56 136 C1	TUBE ASSY, LH INSIDE BOOM BUCKET CYL EXTENDING
13	56 138 C1	HOSE ASSY, BOOM BULKHEAD TO BUCKET CYL -2-
14		BOOM -REFER TO BOOM, BUCKET AND DIPPERSTICK LISTING-
15		DIPPERSTICK -REFER TO BOOM, BUCKET AND DIPPERSTICK LISTING-

REF. NO.	PART NUMBER	DESCRIPTION
		HYDRAULIC CONNECTIONS -FOR BOOM, -CONTINUED BUCKET AND STABILIZERS-
16	56 249 C92	CYLINDER ASSY, STABILIZER -2- -FOR COMPONENT DETAILS REFER TO HYDRAULIC STABILIZER CYLINDER LISTING-
17	56 247 C92	CYLINDER ASSY, BOOM AND DIPPERSTICK -2- -FOR COMPONENT DETAILS REFER TO BOOM, BUCKET AND DIPPERSTICK CYLINDER LISTING-
18	56 248 C92	CYLINDER ASSY, BUCKET -FOR COMPONENT DETAILS REFER TO BOOM, BUCKET AND DIPPERSTICK CYLINDER LISTING-
19	333 710 R91	CLAMP, HOSE -2-

-9- SECTION N
3082 SERIES B BACKHOE
BKH-1

REF. NO.	PART NUMBER	DESCRIPTION

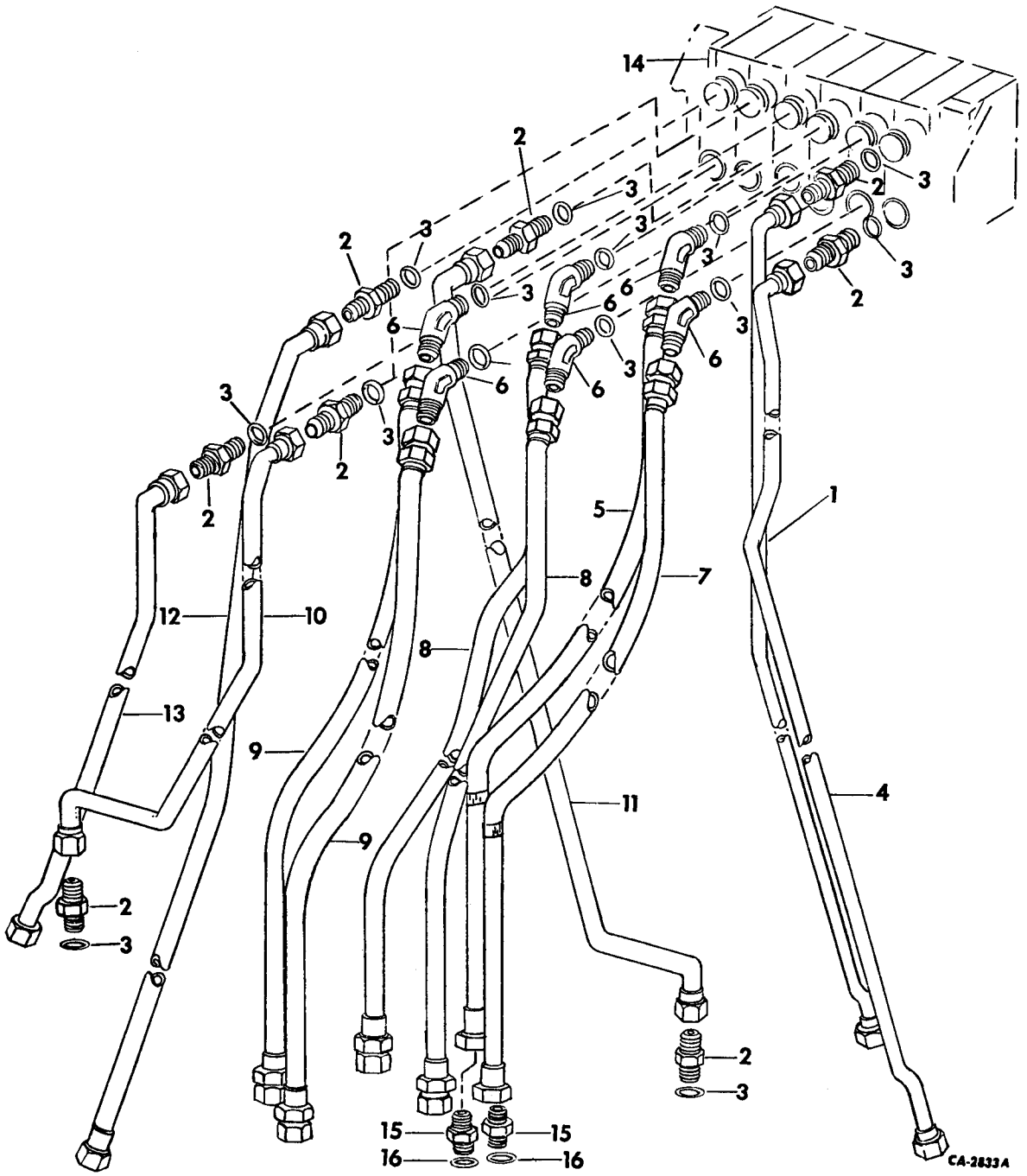
REF. NO.	PART NUMBER	DESCRIPTION

HYDRAULIC CONNECTIONS -FOR CONTROL VALVES-

-10- SECTION N
3082 SERIES B BACKHOE
BKH-1

REF. NO.	PART NUMBER	DESCRIPTION

HYDRAULIC CONNECTIONS -FOR CONTROL -CONTINUED VALVES-



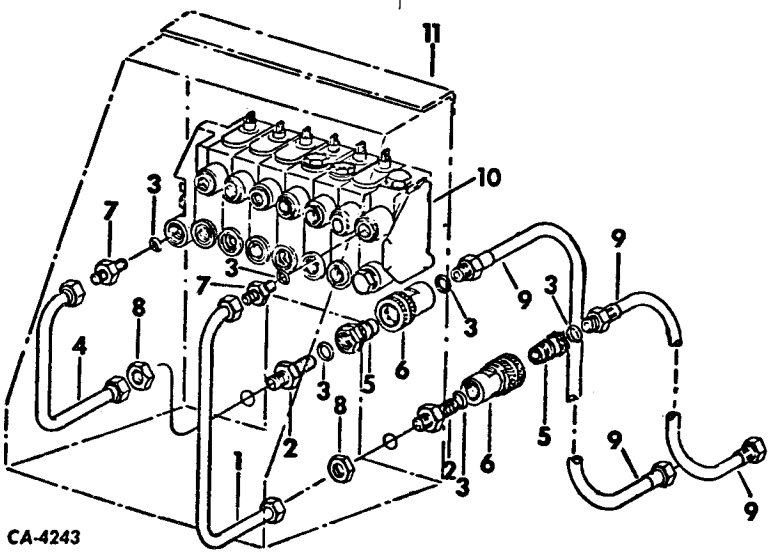
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONNECTIONS -FOR CONTROL -CONTINUED VALVES-	
1	56 122 C1	TUBE ASSY, TOP PORT LH STABILIZER VALVE	
2	9 410 203	UNION, 3/4-16 HYD 37 DEG FLARED TUBE SHORT SWIVEL -8-	
3	570 828 R1	O-RING, 1/2 OD TUBE -14-	
4	56 124 C1	TUBE ASSY, BOTTOM PORT LH STABILIZER VALVE	
5	56 126 C1	HOSE ASSY, TOP PORT DIPPERSTICK VALVE	
6	9 411 105	ELBOW, 3/4-16 HYD 37 DEG FLARED TUBE STR-THD 45 DEG -6-	
7	56 127 C1	HOSE ASSY, BOTTOM PORT DIPPERSTICK VALVE	
8	56 128 C1	HOSE ASSY, BOOM VALVE -2-	
9	56 129 C1	HOSE ASSY, BUCKET VALVE -2-	
10	56 130 C1	TUBE ASSY, TOP PORT SWING VALVE	
11	56 131 C1	TUBE ASSY, BOTTOM PORT SWING VALVE	
12	56 123 C1	TUBE ASSY, TOP PORT RH STABILIZER VALVE	
13	56 125 C1	TUBE ASSY, BOTTOM PORT RH STABILIZER VALVE	
14		VALVE BANK ASSY, HYDRAULIC -FOR COMPONENT DETAILS REFER TO LIST OF PARTS UNDER DETAILS OF HYDRAULIC CONTROL VALVE-	
	180 145	SCREW, 7/16-14 X 1 ZND HEX-HD CAP -3	
	120 383	WASHER, 7/16 ZND MED LOCK -3-	
15	481 352 R1	UNION, 3/8-16 TO 7/8-14 37 DEG FLARED SHORT SWIVEL REDUCER -2-	
16	364 885 R1	O-RING, 5/8 OD TUBE -2-	

3082 SERIES B BACKHOE -11- SECTION N

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

POWER SUPPLY



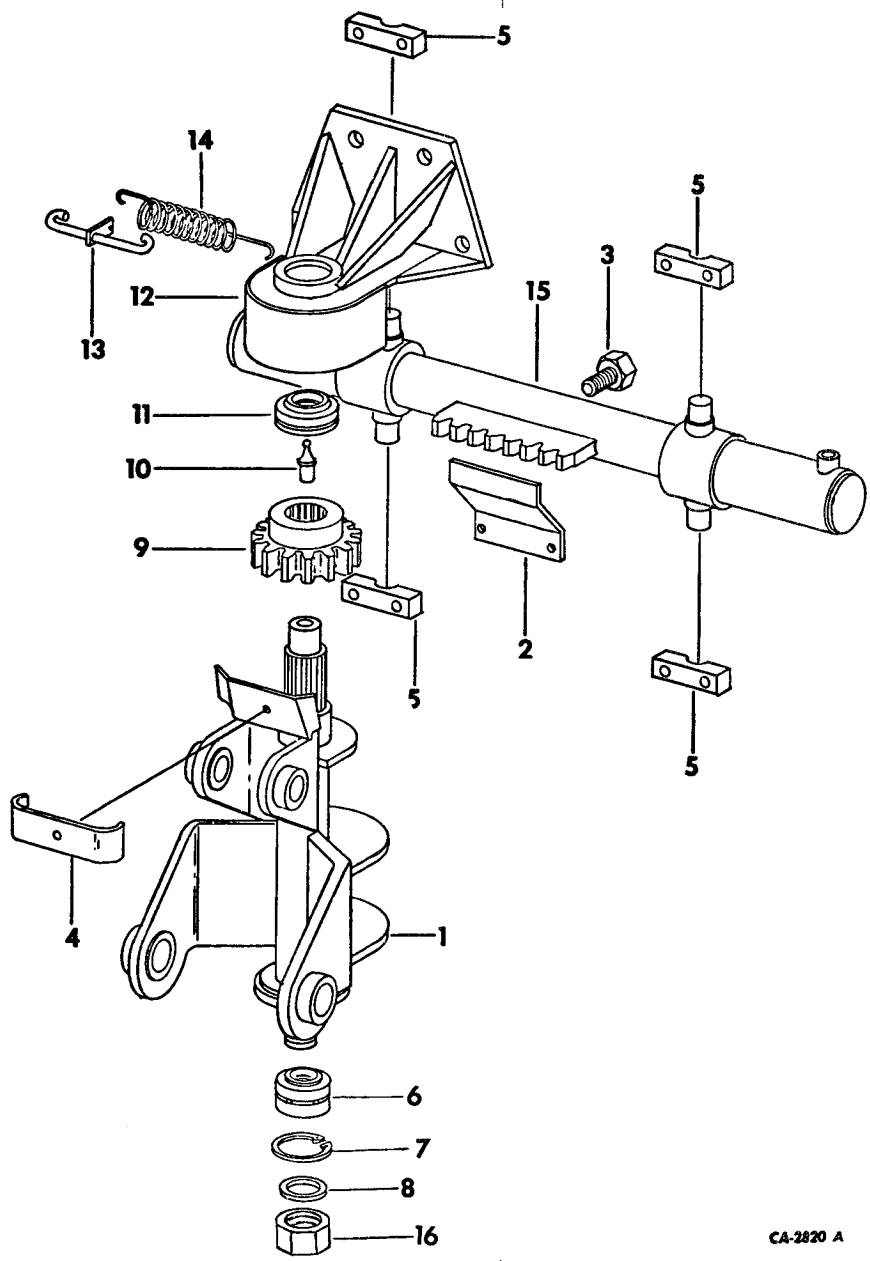
REF. NO.	PART NUMBER	DESCRIPTION
1	56 243 C1	TUBE ASSY, CONSOLE BULKHEADTO BACKHOE VALVE BANK PRESSURE-
2	9 403 256	UNION, 7/8-14 HYD 37 DEG FLARED TUBE BULKHEAD -2-
3	364 885 R1	O-RING, 5/8 OD TUBE -6-
4	56 242 C1	TUBE ASSY, CONSOLE BULKHEAD TO BACKHOE VALVE BANK RETURN
5	395 149 R1	COUPLING ASSY, HYD SELF SEALING -2-
6	395 150 R91	COUPLING ASSY, HYD SELF SEALING -2-
7	9 410 204	UNION, 7/8-14 HYD 37 DEG FLARED TUBE SHORT SWIVEL -2-
8	9 403 295	NUT, 7/8-14 BULKHEAD UNION LOCK -2-
9	56 148 C1	HOSE ASSY, BULKHEAD TO BACKHOE -2-
10		VALVE BANK ASSY, HYDRAULIC -FOR COMPONENT DETAILS REFER TO HYDRAULIC CONTROL VALVE LISTING-
11		MOUNTING, -A- FRAME ASSY -REFER TO MAIN FRAME AND STABILIZER LISTING-

3082 SERIES B BACKHOE -12- SECTION N

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

POWER SUPPLY -CONTINUED

SWING MECHANISM AND CYLINDER



CA-2820 A

REF. NO.	PART NUMBER	DESCRIPTION
1	56 105 C1	SWING ASSY
2	56 106 C1	PLATE, CYL RACK ADJUSTING
	17 351 R1	BOLT, 3/8-16 X 1 SHORT SQ-NK-CRG-2-
	120 377	NUT, 3/8-16 ZND HEX -2-
	120 382	WASHER, 3/8 ZND MED LOCK -2-

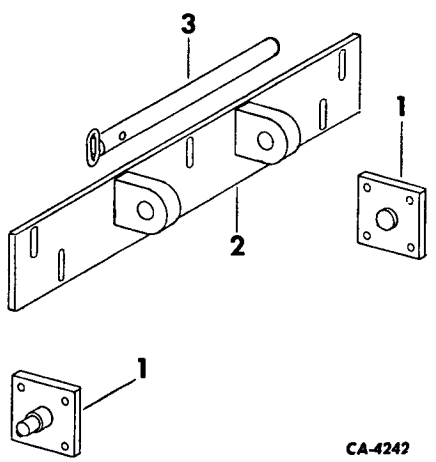
-13- SECTION N
3082 SERIES B BACKHOE
BKH-1

SWING MECHANISM AND CYLINDER -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
3	471 370 R1	SCREW,3/4-10 X 2-1/4 ZND HEX-HD CAP FULL THD SWING CYL THRUST SUPPORT
	220 086	NUT, 3/4-10 ZND HEX
4	56 107 C1	CLAMP, HOSE
	180 124	SCREW, 3/8-16 X 1-1/4 ZND HEX-HD CAP
	120 382	WASHER, 3/8 ZND MED LOCK

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		SWING MECHANISM AND CYLINDER -CONTINUED	
5	56 108 C1	BLOCK, SWING CYL MOUNTING-4-	
	180 175	SCREW, 1/2-13 X 1-3/4 ZND HEX-HD CAP-8-	
	120 384	WASHER, 1/2 ZND MED LOCK -8-	
6	545 222 R91	BUSHING, 1-3/4 BORE LOWER BALL	
7	468 337 R1	RING, LOWER BUSHING RETAINING	
8	56 110 C1	WASHER, 1.265 X 2.03 X .25 FLAT	
9	56 109 C1	GEAR, 15 T SWING SHAFT	
	426 374	SCREW, 3/8-16 X 1/2 ZND HEADLESS HEX. SOCKET SET	
10	109 461	FITTING, 1/8-27NPT STRAIGHT LUB	
11	390 157 R91	BUSHING, 1-1/2 BORE UPPER BALL	
12	56 111 C1	SUPPORT ASSY, SWING SHAFT UPPER	
	22 854 R1	SCREW, 3/4-10 X 2-3/4 ZND HEX-HD CAP GR 8 -4-	
	395 793 C1	NUT, 3/4-10 GR 8 HEX LOCK -4-	
13	56 112 C1	RETAINER ASSY, HOSE	
14	57 626 C1	SPRING, HOSE RETAINING	
	137 218	PIN, COTTER	
15	56 246 C91	CYLINDER, SWING -FOR COMPONENT DETAILS REFER TO HYDRAULIC SWING CYL LISTING-	
16	18 489 R1	NUT, 1-1/4-12 NYLON INSERT	

MOUNTING BRACKET AND PINS

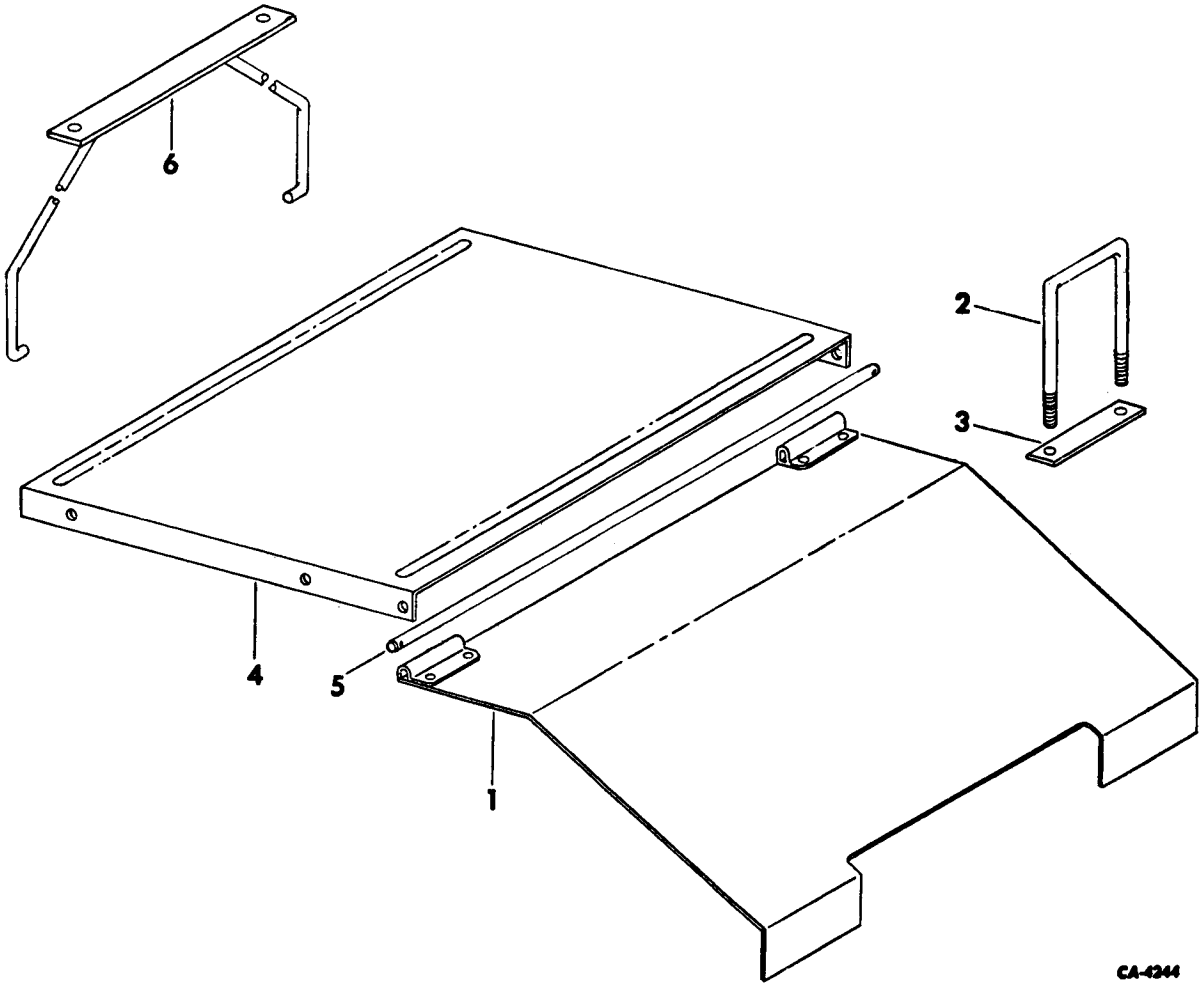


CA-4242

1	60 327 C1	PIN ASSY, BACKHOE MOUNTING -2-	
	180 177	SCREW, 1/2-13 X 1-1/2 ZND HEX-HD CAP -8-	
	120 384	WASHER, 1/2 ZND MED LOCK -8-	
	120 378	NUT, 1/2-13 ZND HEX. -8-	
2	60 328 C1	BRACKET ASSY, UPPER MOUNTING	
	180 179	SCREW, 1/2-13 X 1-3/4 ZND HEX. -5-	
	56 090 C1	WASHER, 1/2 SPECIAL MTG -5-	
	120 384	WASHER, 1/2 ZND MED LOCK -5-	
	120 378	NUT, 1/2-13 ZND HEX. -5-	
3	56 091 C1	PIN ASSY, UPPER MOUNTING	
	22 775 R1	PIN, 3/8 X 2-1/2 ZND HEADED	
	475 579 R1	PIN, EXTERNAL SPRING	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		MOUNTING HARDWARE -FOR TRACTORS W/CATEGORY I OR CATEGORY II HITCHES-	
	56 239 C1	PIN, CAT I LOWER HITCH -2-	
	56 240 C1	BUSHING, CAT I LOWER HITCH -4-	
	56 237 C1	PIN, CAT II LOWER HITCH -2-	
	57 619 C1	BRACKET, UPPER LINK	
	60 331 C1	BRACKET, LOWER LINK -2-	
	271 771	SCREW, 3/4-10 X 2 ZND HEX-HD CAP -2-	
	130 046	WASHER, 3/4 ZND MED LOCK -2-	
	220 086	NUT, 3/4-10 ZND HEX. -2-	
	271 773	SCREW, 3/4-10 X 2-1/2 ZND HEX-HD CAP -2-	
	131 017	WASHER, 3/4 ZND FLAT -4-	
	131 046	WASHER, 3/4 ZND MED LOCK -2-	
	220 086	NUT, 3/4-10 ZND HEX. -2-	

BACKHOE HEAT DEFLECTOR



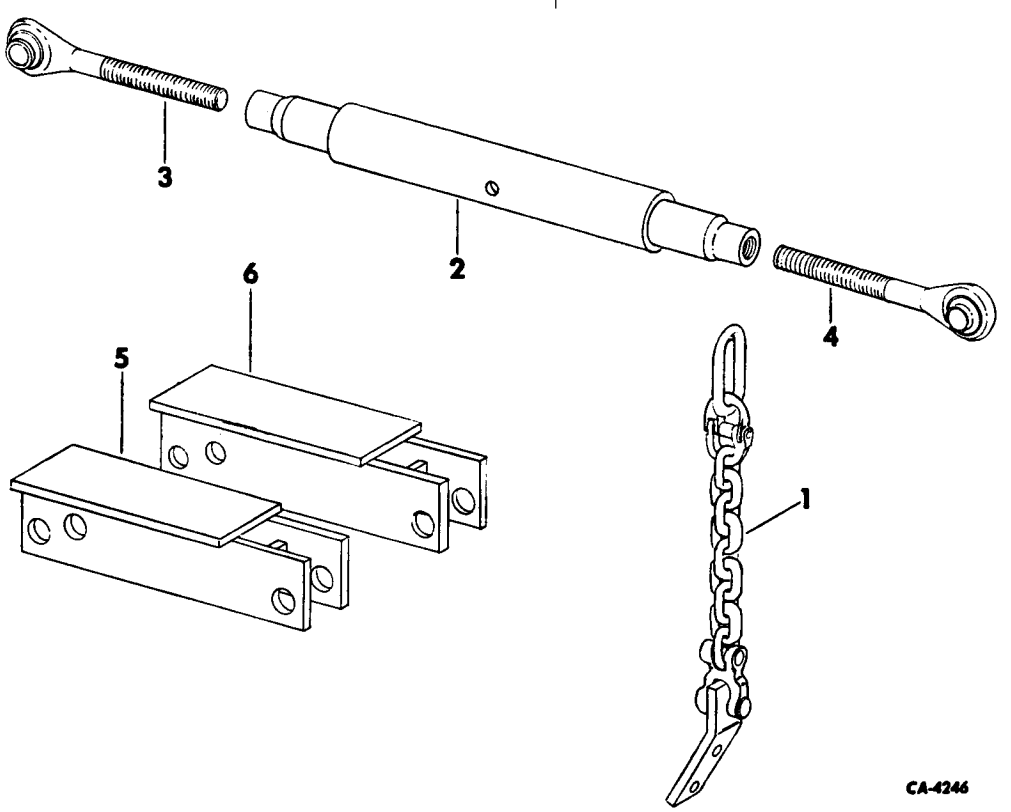
REF. NO.	PART NUMBER	DESCRIPTION
1	60 761 C1	DEFLECTOR ASSY, FIXED
2	60 762 C1	U-BOLT, FIXED DEFLECTOR
3	60 763 C1	STRIP, FIXED DEFLECTOR STIFFNER
	120 380	WASHER, 1/4 MED LOCK -2-
	120 375	NUT, 1/4-20 HEX. -2-
4	60 764 C1	DEFLECTOR, ADJUSTABLE
5	60 765 C1	ROD, DEFLECTOR HINGE
	103 384	PIN, 1/8 X 3/4 COT. -2-
6	60 766 C1	ROD ASSY, DEFLECTOR POSITIONING

-15- SECTION N
3082 SERIES B BACKHOE
REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

BACKHOE HEAT DEFLECTOR -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

BACKHOE ANTI-INTERFERENCE
W/3-POINT HITCH



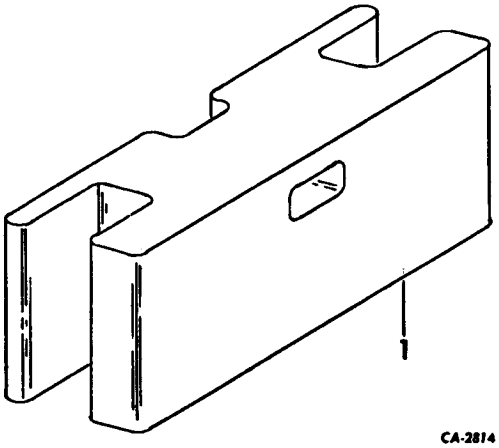
1	103 562	C1	CHAIN ASSY, RESTRAINING -2-
	271 546		SCREW, 5/8-11 X 1-1/4 ZND HEX-HD CAP -4-
2	103 525	C1	TURNBUCKLE, EXTENDED UPPER LINK
3	527 994	R1	SCREW ASSY, LH THREAD
4	527 996	R1	SCREW ASSY, RH THREAD
	272 139		NUT, 1-1/8-7 ZND HEX. JAM
5	60 322	C1	EXTENSION ASSY, LH LOWER LINK
6	60 323	C1	EXTENSION ASSY, RH LOWER LINK
	17 294	R1	SCREW, 1-8 X 6 ZND HEX-HD CAP -2-
	131 019		WASHER, 1-1/16 X 2 X .134 ZND -2-
	131 048		WASHER, 1 ZND REG LOCK -2-
	25 915	R1	SCREW, 1-1/8-7 X 6 HEX-HD CAP -2-
	120 731		WASHER, 1-1/8 REG LOCK -2-
	220 089		NUT, 1-1/8 HEX. -2-
	220 088		NUT, 1-8 ZND HEX. -2-
	103 605	C1	BRACKET ASSY, LOWER LINK EXT. LH
	103 606	C1	BRACKET ASSY, LOWER LINK EXT. RH
	271 772		SCREW, 3/4-10 x 2-1/4 ZND HEX-HD CAP -2-
	271 774		SCREW, 3/4-10 x 2-3/4 ZND HEX-HD CAP -2-
	131 017		WASHER, .812 x 1.469 x .108 ZND FLAT -2-
	131 046		WASHER, 3/4 ZND MED LOCK -4-
	220 086		NUT, 3/4-10 ZND HEX. -4-

-16- SECTION N
3082 SERIES B BACKHOE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

BACKHOE ANTI-INTERFERENCE -CONTINUED
W/3-POINT HITCH

COUNTERWEIGHT



1 COUNTERWEIGHT -3-
-SERVICED AS A MACHINE ATTACHMENT-

-17- SECTION N
3082 SERIES B BACKHOE
REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

PRODUCT GRAPHICS

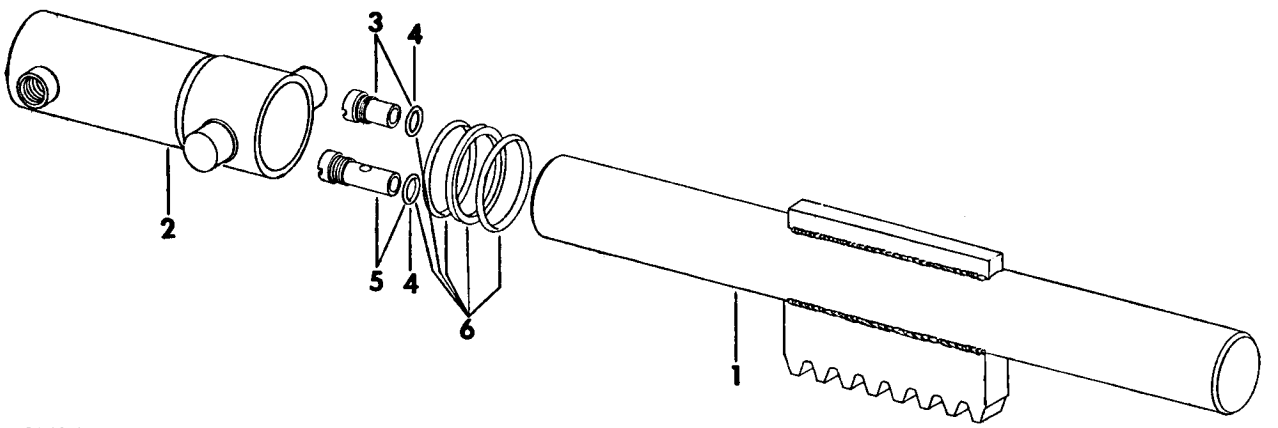
56 059 C93 PACKAGE, PRODUCT GRAPHIC
-CONSISTS OF
$ PRODUCT GRAPHIC, BACKHOE LH STAB CONTROL
$ PRODUCT GRAPHIC, BACKHOE RH STAB CONTROL
$ PRODUCT GRAPHIC, BACKHOE DIPPERSTICK CONTROL
$ PRODUCT GRAPHIC, BACKHOE BUCKET CONTROL
$ PRODUCT GRAPHIC, BACKHOE SWING CONTROL
$ PRODUCT GRAPHIC, BACKHOE BOOM CONTROL

547 496 R91 PACKAGE, PRODUCT GRAPHIC INTERNATIONAL
-CONSISTS OF
$ PRODUCT GRAPHIC, INTERNATIONAL -2-
$ PRODUCT GRAPHIC, INTERNATIONAL -2-
$ PRODUCT GRAPHIC, INTERNATIONAL -2-
$ PRODUCT GRAPHIC, INTERNATIONAL -2-

547 494 R91 PACKAGE, PRODUCT GRAPHIC IH SERVICE
$ PRODUCT GRAPHIC IH TRADEMARK -2-
$ PRODUCT GRAPHIC IH TRADEMARK -2-
$ PRODUCT GRAPHIC IH TRADEMARK -2-

547 498 R91 PACKAGE, PRODUCT GRAPHIC MODEL DESIGNATION
-CONSISTS OF
$ PRODUCT GRAPHIC, MODEL DESIGNATION -2-
$ PRODUCT GRAPHIC, MODEL DESIGNATION -2-

SWING CYLINDER



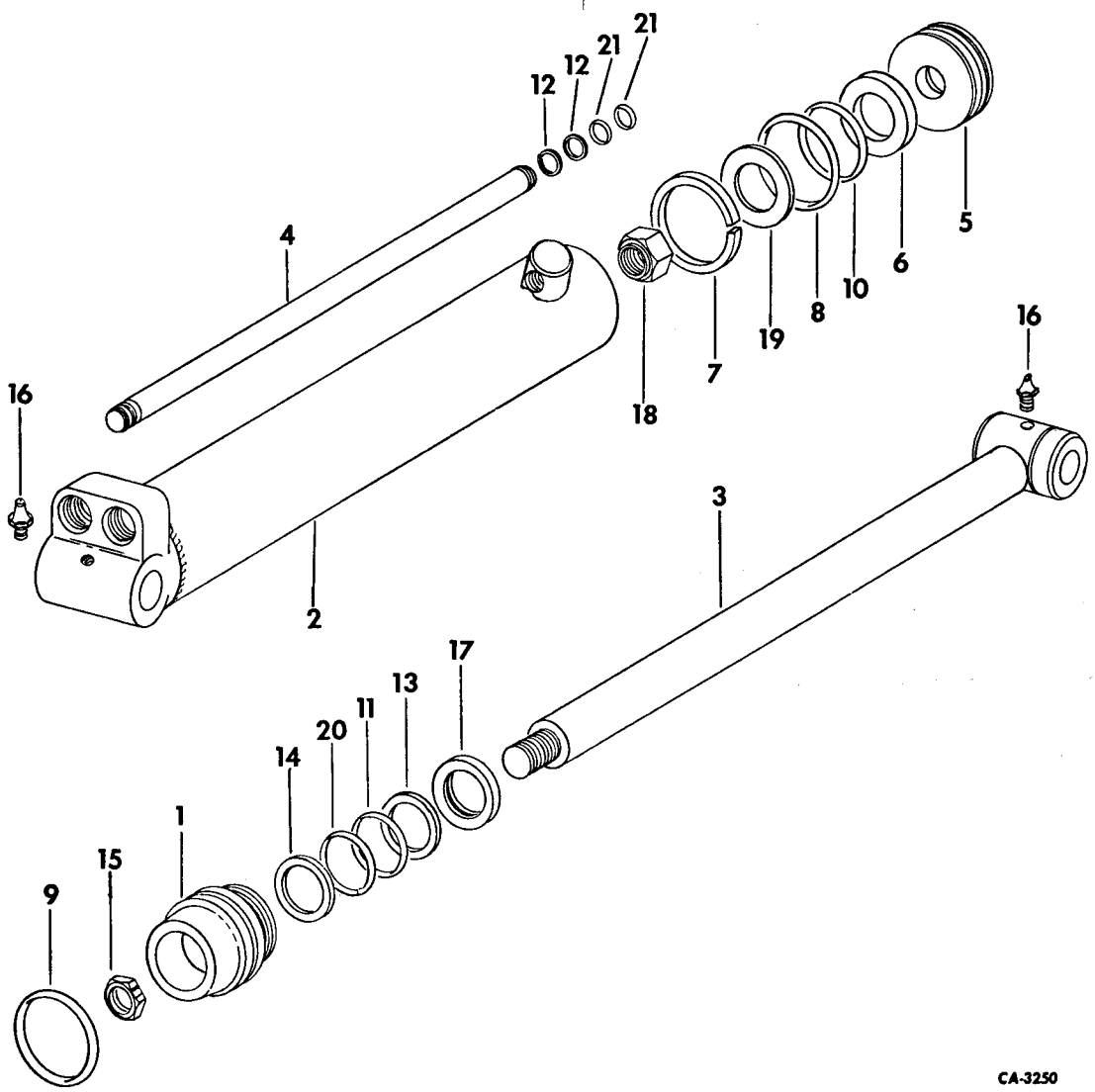
CA-3251

REF. NO.	PART NUMBER	DESCRIPTION
	56 246 C91	CYLINDER ASSY, SWING -2-3/4 X 8 IN. SINGLE ACTING-
1	58 090 C1	ROD ASSY, PISTON
2	58 091 C1	BARREL ASSY -2-
3	57 902 C91	VALVE ASSY W/O-RINGS
4	252 707 R1	O-RING, 3/32 X 3/4 -2-
5	57 903 C91	VALVE ASSY W/O-RING
6	58 092 C91	KIT, SEAL REPAIR SERVICE

-18- SECTION N
3082 SERIES B BACKHOE
BKH-1

SWING CYLINDER -CONTINUED

BOOM, BUCKET AND DIPPERSTICK CYLINDER



CA-3250

REF. NO.	PART NUMBER	DESCRIPTION
	56 247 C92	CYLINDER ASSY, BOOM AND DIPPERSTICK -2- -3 X 18-1/2 IN. DOUBLE ACTING- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT A-
	56 248 C92	CYLINDER ASSY, BUCKET -3 X 19 IN. DOUBLE ACTING- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT B-
1	58 043 C1	BEARING, CYL
2	58 044 C1	BARREL ASSY
3	58 042 C1	ROD ASSY, CYL
4	58 040 C1	TUBE, ROD SIDE
5	58 041 C1	PISTON, CYL
6	57 959 C1	SPACER -UNIT A-
7	58 069 C1	RING, WEAR
8	22 409 R1	O-RING, 1/8 X 2-5/8
9	254 091 R1	O-RING, 1/8 X 2-3/4
10	343 909 R1	O-RING, 1/8 X 1-1/2
11	22 288 R1	O-RING, 3/16 X 1-1/2
12	58 117 C1	WASHER, BACK-UP -2-
13	58 118 C1	WASHER, BACK-UP
14	58 119 C1	WASHER, BACK-UP

-19- SECTION N
3082 SERIES B BACKHOE
BKH-1

BOOM, BUCKET AND DIPPERSTICK CYLINDER -CONTINUED

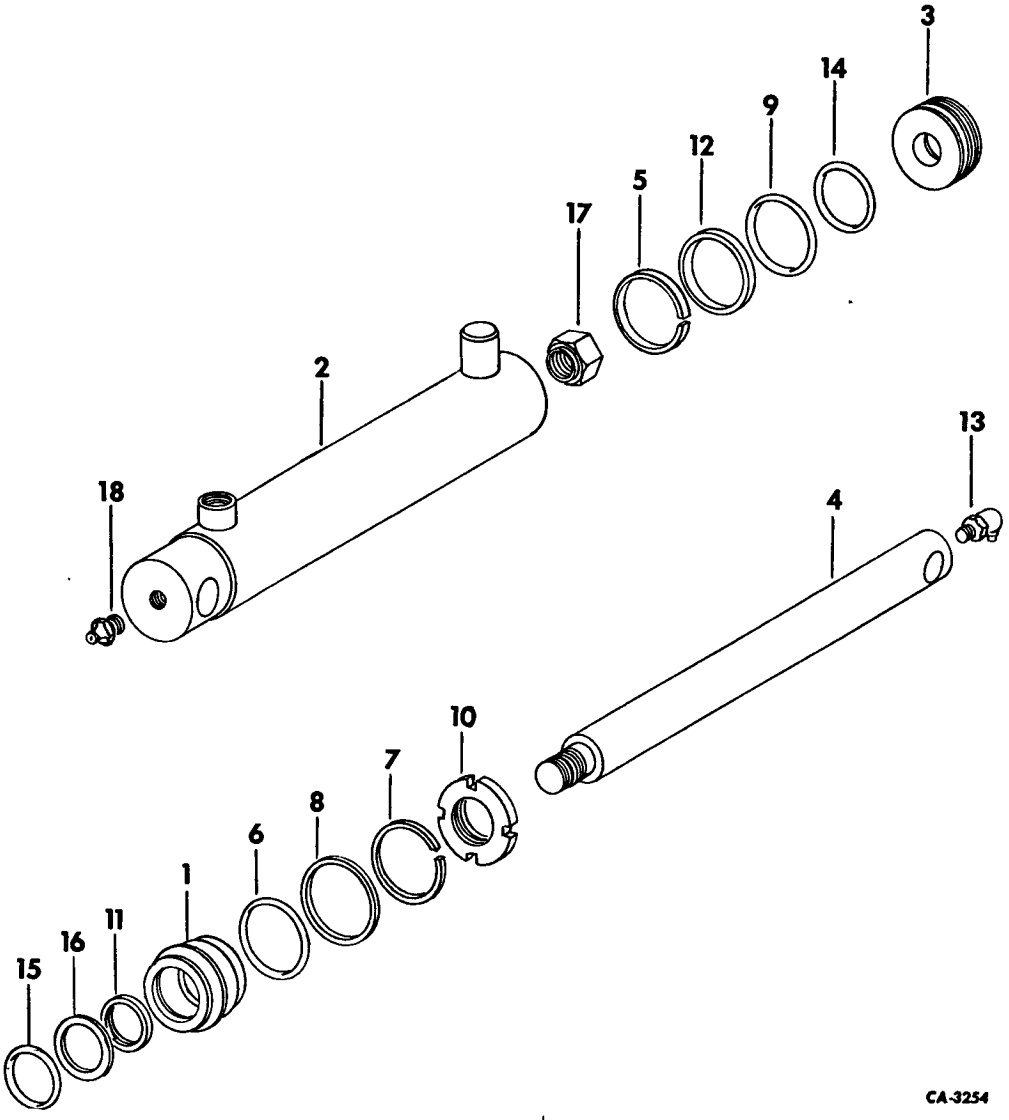
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		BOOM, BUCKET AND DIPPERSTICK CYLINDER -CONTINUED	
15	58 124 C1	NUT, 2-3/4 - 16 BRG	
16	109 461	FITTING, 1/8-27 NPT STR -2-	
17	58 121 C1	SEAL, 1-1/2 DIA WIPER	
18	272 688 C1	NUT, 7/8-14 LOCK PHOS. COATED	
19	58 126 C1	RING, PISTON	
20	110 660 C1	RING, LOCK	
21	352 221 R1	O-RING, 3/32 X 9/16 -2-	
	57 948 C91	KIT, SEAL REPAIR SERVICE -CONSISTS OF REF NOS. 7, 8, 9, 10, 11, 12, 13, 14, 17, 19, 20 AND 21-	

3082 SERIES B BACKHOE -20- SECTION N

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

BKH-1

STABILIZER CYLINDER



CA-3254

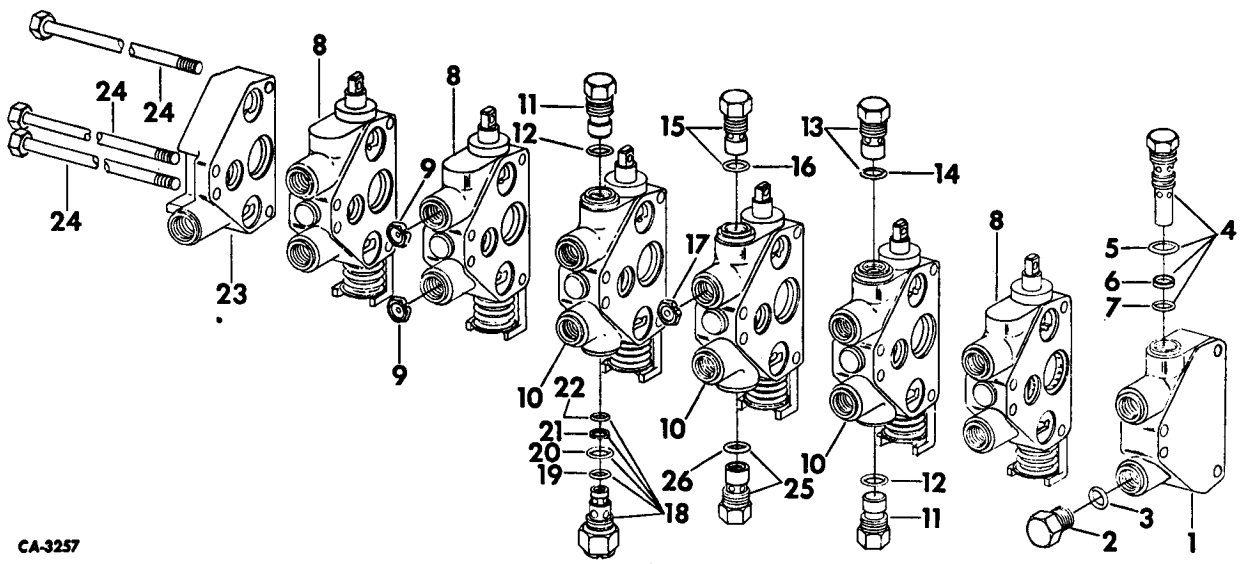
REF. NO.	PART NUMBER	DESCRIPTION
	56 249 C92	CYLINDER ASSY, STABILIZER -2--2-1/2 X 13-1/4 IN. DOUBLE ACTING-
1	58 053 C1	BEARING, CYL
2	58 054 C1	BARREL ASSY, CYL
3	58 055 C1	PISTON, CYL
4	58 056 C1	ROD, CYL
5	58 094 C1	RING, WEAR
6	293 726 R1	O-RING, 1/8 X 2-1/4
7	58 070 C1	RING, LOCK
8	58 120 C1	WASHER, BACK-UP
9	379 457 R1	O-RING, 3/32 X 2-3/16
10	58 125 C1	NUT, 2-1/4 - 16 BRG
11	58 122 C1	SEAL, 1-1/2 WIPER
12	58 127 C1	RING, PISTON
13	109 462	FITTING, 1/8-27 90 DEG
14	343 909 R1	O-RING, 1/8 X 1-1/2
15	22 288 R1	O-RING, 3/16 X 1-1/2
16	58 118 C1	WASHER, BACK-UP
17	272 688	NUT, 7/8-14 LOCK PHOS. COATED
18	109 461	FITTING, 1/8-27 NPT STR
	58 093 C91	KIT, SEAL REPAIR SERVICE -CONSISTS OF REF NOS. 5, 6, 7, 8, 9, 11, 12, 14, 15 AND 16-

3082 SERIES B BACKHOE -21- SECTION N

BKH-1

STABILIZER CYLINDER -CONTINUED

HYDRAULIC CONTROL VALVE



CA-3257

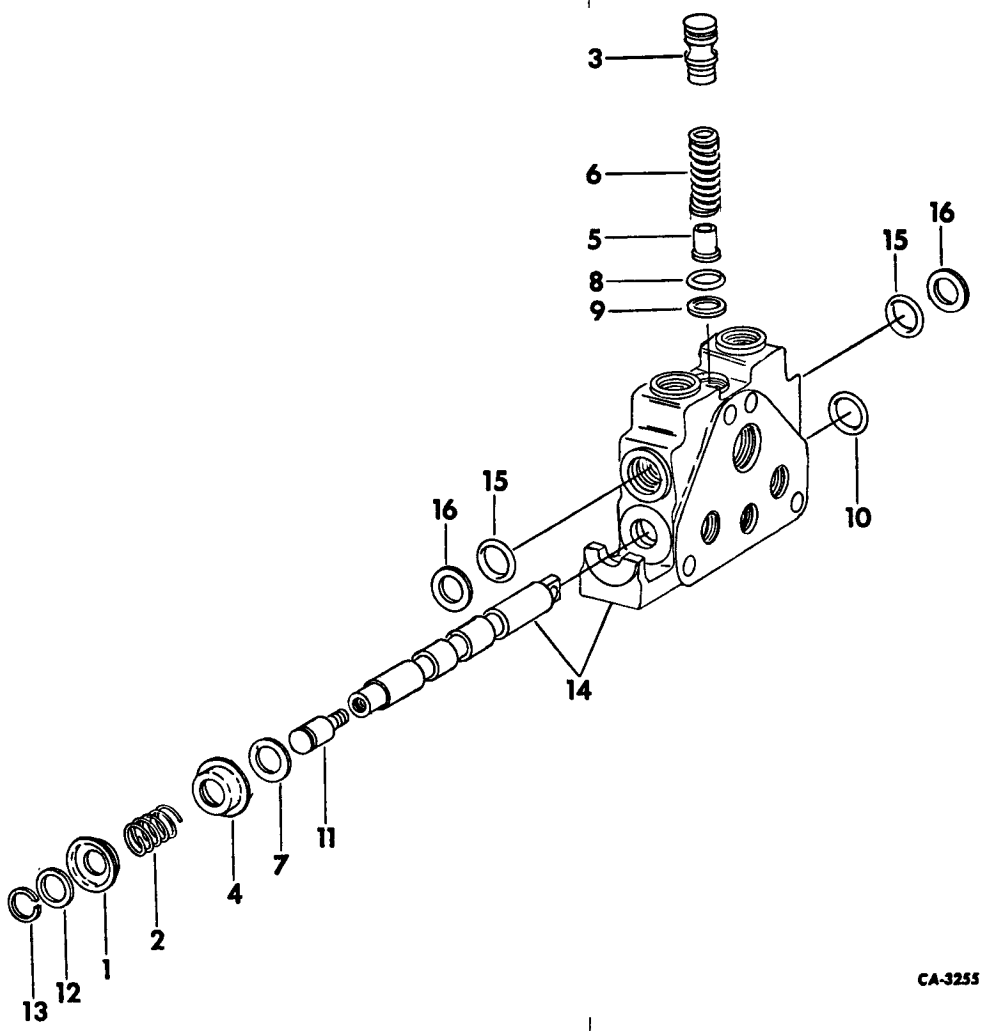
REF. NO.	PART NUMBER	DESCRIPTION
1	58 057 C1	VALVE, SECTION INLET
2	9 410 360	PLUG, 7/8-14 HEX.
3	364 885 R1	O-RING, 3/32 X 3/4
4	673 643 R91	VALVE ASSY, W/O-RINGS & BACK-UP WASHERS SYSTEM RELIEF
5	252 707 R1	O-RING, 3/32 X 3/4
6	673 644 R1	WASHER, BACK-UP
7	350 429 R1	O-RING, 3/32 X 5/8
8	58 064 C1	VALVE SECTION ASSY, STABILIZER AND SWING -3- -FOR COMPONENT DETAILS REFER TO VALVE SECTION LISTING-
9	58 131 C1	ORIFICE, .0635 DIA. -2-
10	58 065 C1	VALVE SECTION ASSY, BOOM, BUCKET AND DIPPERSTICK -3- -FOR COMPONENT DETAILS REFER TO VALVE SECTION LISTING-
11	58 059 C1	PLUG, RELIEF VALVE CAVITY -2-
12	252 707 R1	O-RING, 3/32 X 3/4 -2-
13	57 900 C91	VALVE ASSY W/O-RING, RELIEF
14	252 707 R1	O-RING, 3/32 X 3/4
15	57 901 C91	VALVE ASSY W/O-RING, RELIEF
16	252 707 R1	O-RING, 3/32 X 3/4
17	58 132 C1	ORIFICE, .1360 DIA.
18	57 904 C91	VALVE ASSY W/O RING & BACK-UP WASHER, RELIEF
19	350 429 R1	O-RING, 3/32 X 5/8
20	252 707 R1	O-RING, 3/32 X 3/4
21	58 538 C1	WASHER, BACK-UP
22	352 219 R1	O-RING, 1/16 X 1/4
23	58 058 C1	VALVE, SECTION OUTLET
24	58 130 C1	BOLT, 3/8 X 10.87 HEX. -4-
	120 382	WASHER, 3/8 MED LOCK -4-
25	59 311 C1	VALVE ASSY W/O-RING, RELIEF
26	252 707 R1	O-RING, 3/32 X 3/4
	58 087 C91	KIT, O-RING REPAIR -FOR SERVICE REPLACEMENT OF O-RINGS AND WASHERS BETWEEN VALVE SECTIONS AND INLET SECTIONS-

-22- SECTION N
3082 SERIES B BACKHOE
BKH-1

HYDRAULIC CONTROL VALVE -CONTINUED

BKH-1

VALVE SECTION



CA-3255

REF. NO.	PART NUMBER	DESCRIPTION
	58 065 C1	VALVE SECTION ASSY -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT A-
	58 064 C1	VALVE, SECTION ASSY -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT B-
1	613 602 R1	WASHER, SHALLOW
2	613 598 R1	SPRING, SPOOL
3	58 052 C1	BODY, LIFT CHECK
4	387 435 R1	WASHER, DEEP
5	387 436 R1	PLUNGER, LIFT CHECK
6	387 437 R1	SPRING, LIFT CHECK
7	350 429 R1	O-RING, 3/32 X 5/8
8	371 544 R1	O-RING, 1/16 X 9/16
9	58 116 C1	WASHER, BACK-UP
10	592 674 R1	O-RING, 1/8 X 5/8

BKH-1

VALVE SECTION -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
11	58 051 C1	SCREW, SPOOL
12	387 439 R1	WASHER, SPOOL
13	370 290 R1	RING, 1/2 EXT SNAP
14		BODY AND SPOOL -NOT SERVICED SEPERATELY ORDER VALVE SECTION ASSY-
15	252 707 R1	O-RING, 3/32 X 3/4 -2- -UNIT A-
16	58 128 C1	WASHER, BACK-UP -2- -UNIT A-
	58 089 C91	KIT, SEAL REPAIR -FOR USE W/SECTION 58 065 C1- -CONSISTS OF REF NOS. 7, 8, 9, 10, 15 AND 16-
	58 088 C91	KIT, O-RING REPAIR -FOR USE W/SECTION 58 064 C1- -CONSISTS OF REF NOS. 7, 8, 9 AND 10-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

3082 SERIES B BACKHOE -24- SECTION N

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

BKH-1

3142 SERIES A BACKHOE

Built 1974 and Since

For use with the following Tractors:

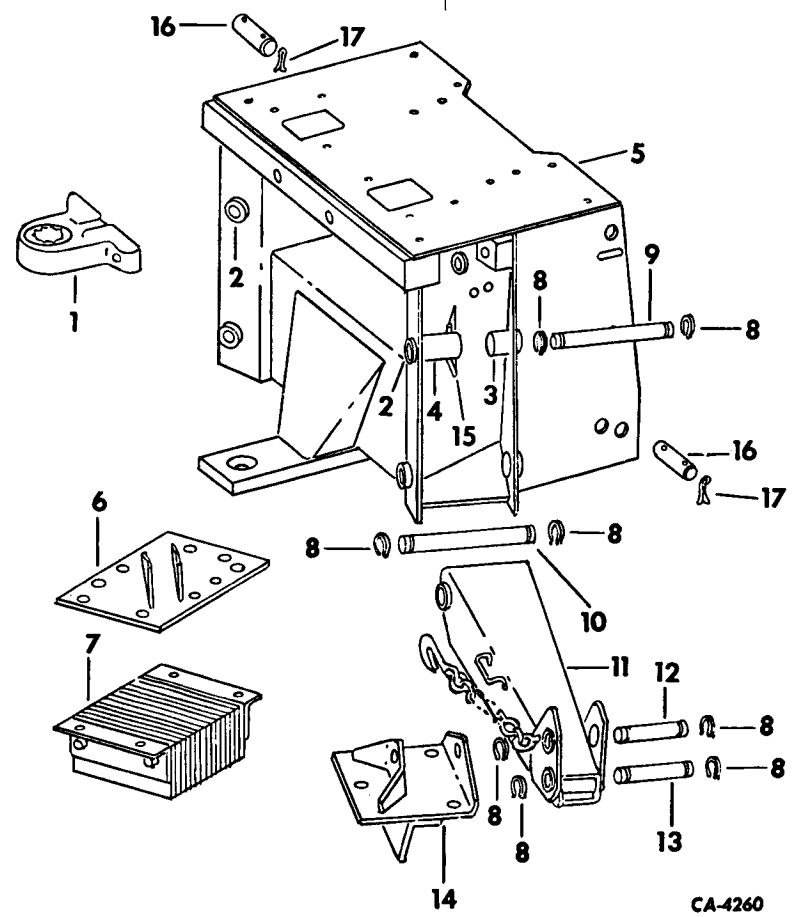
TD7E, TD8E, 100E and 125E Crawler Tractors

INDEX TO UNITS BKH-1

DESCRIPTION	Gp	Pg	Grid
BOOM		4	4 B9
BUCKET		4	4 B9
CONTROLS, Hydraulic		10	4 B15
CYLINDERS, Hydraulic		8	4 B13
DIPPERSTICK		4	4 B9
FLOOR PLATES		10	4 B15
FRAME AND STABILIZERS		3	4 B8
HYDRAULIC CONNECTIONS			
Basic		14	4 B19
Lever Operated Check Valves		16	4 B21
Stabilizer Check Valves		17	4 B22
HYDRAULIC POWER SUPPLY		16	4 B21
PADS		3	4 B8
PRODUCT GRAPHICS		21	4 C4
SEAT		12	4 B17
SUBFRAME		7	4 B12
SWING MECHANISM		20	4 C3
TUBES, Hydraulic		15	4 B20
VALVES			
Check			
Lever Operated		19	4 C2
Stabilizer		19	4 C2
Control		4	4 B18
Three Position Control		18	4 C1
PARTS ACCESSORIES AND ATTACHMENTS			
FROST BREAKER		6	4 B11

BKH-1

MAIN FRAME, STABILIZER AND PADS



REF. NO.	PART NUMBER	DESCRIPTION
1	545 214 R91	MOUNTING W/PILOTS, TOP SWING
	289 757 R1	SCREW, 7/8-9 X 4-1/4 ZND HEX-HD CAP -2-
	384 697 R1	WASHER, .906 X 1.75 X .164 -2-
	19 925 R1	NUT, 7/8-9 HEX -2-
2	468 385 R1	BOSS, STABILIZER PIVOT -4-
3	468 386 R1	BOSS, STABILIZER CYL REAR -2-
4	468 387 R1	BOSS, STABILIZER CYL FRT -2-
5	103 319 C91	FRAME ASSY, BACKHOE MAIN
6	469 103 R92	PAD ASSY, STABILIZER SOD LH
6	469 104 R92	PAD ASSY, STABILIZER SOD RH
7	544 015 R1	PAD ASSY, STREET -2-
	271 767	SCREW, 3/4-10 X 1-1/2 ZND HEX-HD CAP -8-
	131 046	WASHER, 3/4 ZND MED LOCK -8-
	220 086	NUT, 3/4-10 HEX. -8-
8	468 283 R1	RING, EXTERNAL RETAINING -16- -USE 2 W/EACH PIN-

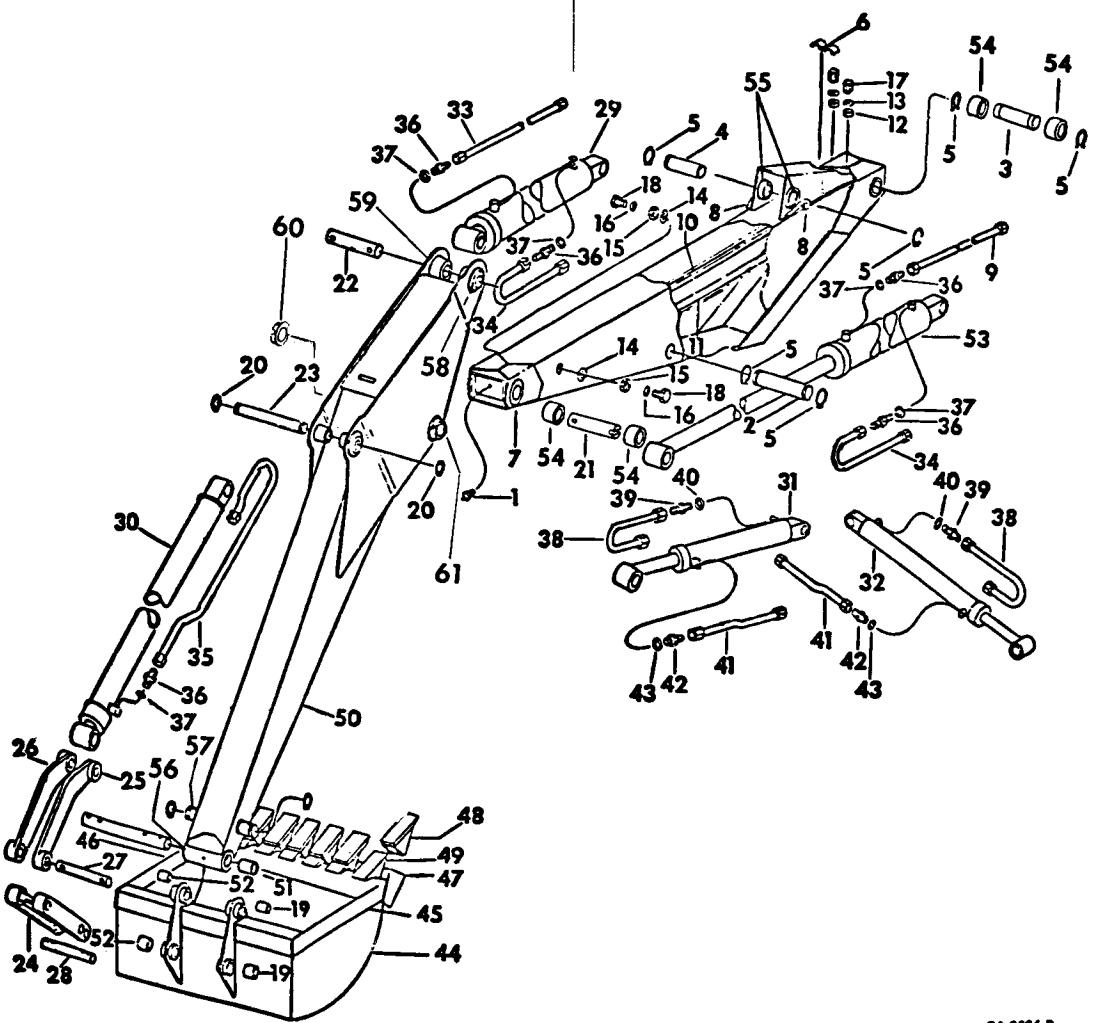
3142A BACKHOE -3- SECTION P

BKH-1

MAIN FRAME, STABILIZER AND PADS -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
9	468 638 R2	PIN, STABILIZER CYL TO MAIN FRAME -2-
10	468 635 R2	PIN, STABILIZER TO MAIN FRAME -2-
11	468 656 R14	STABILIZER ASSY, RIGHT
11	468 655 R14	STABILIZER ASSY, LEFT
12	468 637 R1	PIN, STABILIZER TO CYL -2-
13	468 636 R1	PIN, STABILIZER TO PAD ASSY -2-
14	468 392 R11	PAD ASSY, STABILIZER TRENCHING -2-
15	471 402 R1	GUSSET, STABILIZER PIVOT TO MAIN FRAME -2-
16	543 330 R1	PIN, MAIN FRAME LOCKING -2-
17	621 006 C1	PIN, QUICK ATTACHING LOCK -4-

BOOM, BUCKET, DIPPERSTICK, HYDRAULIC CYLINDERS AND CONNECTIONS



CA-2506 D

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
1	109 462	FITTING, 1/8-27 PTF 90 DEG LUB -BOOM PIVOT CARRIER- -2-	
2	468 367 R1	PIN, BOOM CYL UPPER	
3	468 368 R1	PIN, BOOM TO SWING MECHANISM	
	625 688 R1	WASHER, 2-1/32 X 3 X 16 GA 1 OR AS REQUIRED	
4	468 369 R1	PIN, SHROUD	

BOOM, BUCKET, DIPPERSTICK, HYDRAULIC -CONTINUED CYLINDERS AND CONNECTIONS

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
5	468 371 R1	RING, EXT RETAINING -6- -USE 2 EACH ON UPPER BOOM CYL PIN, BOOM TO SWING MECHANISM PIN & SHROUD PIN-	
6	486 004 R1	CLAMP, HYDRAULIC TUBE	
7	545 839 R2	BOOM W/BUSHINGS -INCLUDES REF NOS. 8, 10 THRU 17, 54 AND 55-	
	120 214	WASHER, 5/16 C-Z MED LOCK	
	120 376	NUT, 5/16-18 C-Z HEX.	
8	486 476 R1	HOOK, TRANSPORT CHAIN -2-	

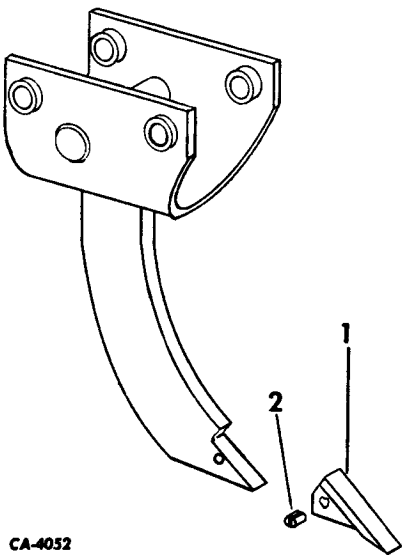
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		BOOM, BUCKET, DIPPERSTICK, HYDRAULIC -CONTINUED CYLINDERS AND CONNECTIONS	
9	488 806 R1	TUBE ASSY, LIFT CYL ROD END	
10	545 854 R1	TUBE ASSY, BOOM LH	
11	545 855 R1	TUBE ASSY, BOOM RH	
12	9 403 295	NUT, 7/8-14 BULKHEAD UNION LOCK -2-	
13	138 566	WASHER, 7/8 ZND INT-TOOTH LOCK -2-	
14	471 961 R1	WASHER, 1-5/16 ZND INT-TOOTH LOCK -2-	
15	9 403 298	NUT, 1-5/16-12 BULKHEAD UNION LOCK -2-	
16	364 885 R1	O-RING, 5/8 OD TUBE -2-	
17	9 403 373	CAP, 7/8-14 37 DEG HYD FLARED TUBE -2-	
18	9 410 360	PLUG, 7/8-14 STR-THD O-RING BOSS -2-	
19	547 133 R1	BOSS, NOTCHED	
19	469 663 R1	BOSS, NOTCHED -FOR USE W/13 IN. BUCKET-	
20	468 283 R1	RING, EXT RETAINING -4-	
21	468 287 R2	PIN, DIPPERSTICK PIVOT	
	472 712 R1	PIN, 1/2 X 3-9/16 STD-HD -2-	
	103 407	PIN, 3/16 X 1 COT. -2-	
22	544 770 R1	PIN, CROWD CYLINDER	
Q	677	PIN, 1/2 X 3-3/4 STD-HD -2-	
	103 407	PIN, 3/16 X 1 COT. -2-	
23	544 772 R1	PIN, BUCKET CYLINDER	
24	544 773 R1	LINK, BUCKET TILT	
25	544 775 R1	LINK, BUCKET GUIDE LH	
26	544 776 R1	LINK, BUCKET GUIDE RH	
27	468 284 R3	PIN, CYL LINK	
	472 712 R1	PIN, 1/2 X 3-1/2 STD-HD -2-	
	103 407	PIN, 3/16 X 1 COT. -2-	
27	542 664 R2	PIN, CYL LINK -FOR 13 IN. BUCKET	
	472 713 R1	PIN, 1/2 X 2-9/16 STD-HD -2-	
	187 988	PIN, 3/16 X 1-1/4 C-Z COT. -2-	
28	544 774 R2	PIN ASSY, CYL LINK -2-	
	192 392	PIN, 3/8 X 2-1/2 GROOVE PRESS FIT -2-	
	472 713 R1	PIN, 1/2 X 2-9/16 STD-HD -2-	
	103 407	PIN, 3/16 X 1 COT. -2-	
29	545 384 R91	CYLINDER ASSY, DIPPERSTICK -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
30	544 907 R91	CYLINDER ASSY, BUCKET -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
31	385 613 R93	CYLINDER ASSY, STABILIZER RH -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
32	385 612 R93	CYLINDER ASSY, STABILIZER LH -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
33	546 028 R1	TUBE ASSY, DIPPERSTICK CYL ROD END	

3142A BACKHOE -5- SECTION P

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		BOOM, BUCKET, DIPPERSTICK, HYDRAULIC -CONTINUED CYLINDERS AND CONNECTIONS	
34	481 694 R1	TUBE ASSY, LIFT CYL HD END -2-	
35	546 030 R1	TUBE ASSY, BUCKET CYL ROD END	
36	9 410 204	UNION, 7/8-14 C-Z 37 DEG HYD FLARED TUBE SHORT SWIVEL -3-	
37	364 885 R1	O-RING, 5/8 OD TUBE -5-	
38	474 285 R11	TUBE ASSY, STABILIZER CYL FRT -2-	
39	9 410 203	UNION, 3/4-16 C-Z 37 DEG HYD FLARED TUBE SHORT SWIVEL -2-	
40	570 828 R1	O-RING, 1/2 OD TUBE -2-	
41	474 286 R11	TUBE ASSY, STABILIZER CYL REAR -2-	
42	9 410 203	UNION, 3/4-16 C-Z 37 DEG HYD FLARED TUBE SHORT SWIVEL -2-	
43	570 828 R1	O-RING, 1/2 OD TUBE -2-	
44		BUCKET -SERVICED ONLY AS A MACHINE ATTACHMENT-	
45	468 313 R1	BAR, RIGHT SIDE CUTTING -FOR 16, 18, 20, 24, 30 AND 36 IN. BUCKET-	
45	486 922 R1	BAR, RIGHT SIDE CUTTING -FOR 24, 30, AND 36 IN. HEAVY DUTY BUCKET-	
45	490 096 R1	BAR, RIGHT SIDE CUTTING -FOR 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET-	
46	468 312 R1	BAR, LEFT SIDE CUTTING -FOR 16, 18, 20, 24, 30 AND 36 IN. BUCKET-	
46	486 921 R1	BAR, LEFT SIDE CUTTING -FOR 24, 30 AND 36 IN. HEAVY DUTY BUCKET-	
46	490 095 R1	BAR, LEFT SIDE CUTTING -FOR 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET-	
47	468 764 R1	BLADE, FRONT CUTTING -FOR 13 IN. BUCKET	
47	483 615 R1	BLADE, FRONT CUTTING -FOR 16 IN. BUCKET-	
47	468 758 R1	BLADE, FRONT CUTTING -FOR 18 IN. BUCKET-	
47	483 621 R1	BLADE, FRONT CUTTING -FOR 20 IN. BUCKET-	
47	468 310 R1	BLADE, FRONT CUTTING -FOR 24 IN. BUCKET-	
47	103 056 C1	BLADE, FRONT CUTTING -FOR 24 IN. HIGH CAPACITY HEAVY DUTY AND HEAVY DUTY BUCKET-	
47	472 975 R1	BLADE, FRONT CUTTING -FOR 30 IN. BUCKET-	
47	61 529 C1	BLADE, FRONT CUTTING -FOR 30 IN. HEAVY DUTY BUCKET-	
47	468 770 R1	BLADE, FRONT CUTTING -FOR 36 IN. BUCKET-	
47	480 590 R1	BLADE, FRONT CUTTING -FOR 36 IN. TRENCHING BUCKET-	
47	61 530 C1	BLADE, FRONT CUTTING -FOR 36 IN. HEAVY DUTY BUCKET-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		BOOM, BUCKET, DIPPERSTICK, HYDRAULIC CYLINDERS AND CONNECTIONS -CONTINUED	
48	468 733 R1	TOOTH, POINT -3 USED FOR 13 IN., 4 USED FOR 16, 18 AND 20 IN. 5 USED FOR 24, 6 USED FOR 30 IN., 7 USED FOR 36 IN. BUCKETS-	
48	485 353 R1	POINT, TOOTH -HEAVY DUTY -4 USED FOR 16, 18, 20 AND 24 IN. 5 USED FOR 24 IN., 6 USED FOR 30 IN., 7 USED FOR 36 IN. BUCKETS-	
48	532 948 R1	POINT, TOOTH -4 USED 24 IN. HEAVY DUTY BUCKET- -5 USED 30 IN. HEAVY DUTY BUCKET AND 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET- -6 USED 36 IN. HEAVY DUTY BUCKET-	
	486 914 R1	PIN, TOOTH LOCKPIN -1 PER TOOTH	
48	540 085 R1	POINT, LONG ROCK -4 USED 24 IN. HEAVY DUTY BUCKET- -5 USED 30 IN. HEAVY DUTY BUCKET- -6 USED 36 IN. HEAVY DUTY BUCKET-	
48	103 659 C1	POINT, STAR -4 USED 24 IN. HEAVY DUTY BUCKET- -5 USED 30 IN. HEAVY DUTY BUCKET- -6 USED 36 IN. HEAVY DUTY BUCKET- -FOR USE IN SEVERE DIGGING CONDITIONS-	
48	544 872 R1	POINT, WIDE TOOTH -3 USED W/13 IN. BUCKET- -4 USED FOR 16, 18, 20 IN., 5 USED FOR 24 IN., 6 USED FOR 30 IN., 7 USED FOR 36 IN.-	
48	544 873 R1	POINT, WIDE TOOTH -4 USED 24 IN. HEAVY DUTY BUCKET- -5 USED 30 IN. HEAVY DUTY BUCKET AND 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET- -6 USED 36 IN. HEAVY DUTY BUCKET-	
49	468 314 R1	SHANK, TOOTH -3 USED FOR 13 IN., 4 USED FOR 16, 18 AND 20 IN., 5 USED FOR 24 IN., 6 USED FOR 30 IN., 7 USED 36 IN. BUCKETS-	
49	61 532 C1	SHANK, TOOTH -4 USED 24 IN. HEAVY DUTY BUCKET- -5 USED 30 IN. HEAVY DUTY BUCKET AND 24 IN. HIGH CAPACITY HEAVY DUTY BUCKET- -6 USED 36 IN. HEAVY DUTY BUCKET-	
50	545 856 R1	DIPPERSTICK ASSY	
	109 461	FITTING, 1/8-27 PTF STR LUB -9-	
51	468 280 R1	BUSHING, LINK PIVOT -2-	
52	547 132 R1	BOSS, BUCKET PIVOT -2-	
52	468 316 R1	BOSS, BUCKET PIVOT -4- -FOR USE W/13 IN. BUCKET-	
53	399 707 R93	CYLINDER ASSY, LIFT -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CYLINDERS-	
54		BUSHING, BOOM PIVOT CARRIER -4- -NOT SERVICED SEPARATELY- -SEE REF. NO. 7-	
55	468 364 R1	BOSS, SHROUD -2-	
56	468 279 R1	TUBE	
57	544 767 R1	SHAFT, BUCKET LINK PIVOT	
58	544 748 R1	BOSS, CROWD CYL PIVOT	
59	544 747 R1	BOSS, CROWD CYL PIVOT	
60	468 277 R1	BOSS, BOOM TO DIPPERSTICK	
61	61 145 C1	BOSS, BOOM TO DIPPERSTICK	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		FROST BREAKER ATTACHMENT	

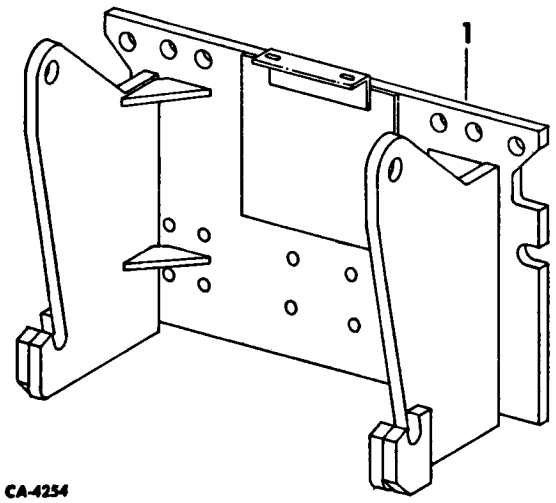


CA-4052

		FROST BREAKER ASSY -SERVICED ONLY AS A MACHINE ATTACHMENT-	
	23 173 R1	PIN, 1/2 X 2.750 C-Z STD-HD -4-	
1	540 087 R1	TOOTH, POINT -FROST BREAKER-	
2	540 088 R1	FLEX PIN, TOOTH POINT	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

SUBFRAME

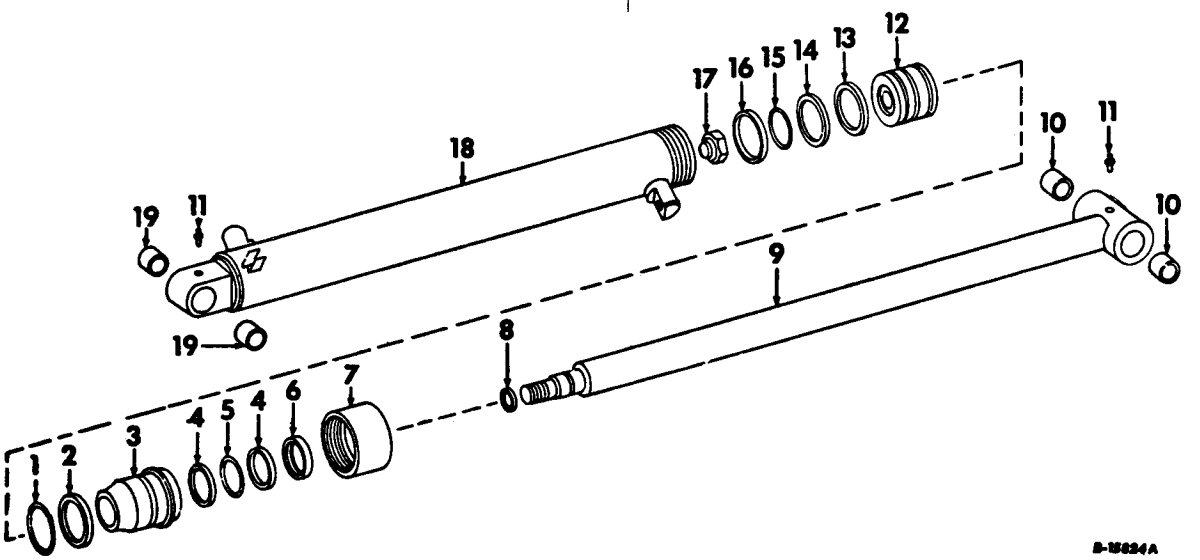


1	103 349 C1	FRAME ASSY, BACKHOE MOUNTING -TD7E & 100E CRAWLER-
1	103 347 C1	FRAME ASSY, BACKHOE MOUNTING -TD8E & 125E CRAWLER-

3142A BACKHOE -7- SECTION P
REF. NO. PART NUMBER DESCRIPTION BKH-1

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

HYDRAULIC CYLINDERS



	385 612 R93	CYLINDER ASSY, 3-1/2 X 18.19 -FOR LEFT STABILIZER- -DOUBLE ACTION- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT A-	
	385 613 R93	CYLINDER ASSY, 3-1/2 X 18.19 -FOR RIGHT STABILIZER- -DOUBLE ACTION- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT B-	
	545 384 R91	CYLINDER ASSY, 4 X 44.32 -FOR CROWD- -DOUBLE ACTION- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT C-	
	544 907 R91	CYLINDER ASSY, 3.5 X 34.30 FOR BUCKET -DOUBLE ACTION- -CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT D-	
	399 707 R93	CYLINDER ASSY, 4.5 X 33.7-FOR LIFT ATTACHMENT -DOUBLE ACTION- CONSISTS OF ALL UNMARKED PARTS AND THOSE MARKED UNIT E-	

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

HYDRAULIC CYLINDERS -CONTINUED

1	352 216 R1	O-RING, 3-1/8 X 3-1/2 X 3/16 -FRONT HEAD-UNIT A, B AND D-
1	347 801 R1	O-RING, 3-5/8 X 4 X 3/16 -FRONT HEAD- -UNIT C-
1	347 914 R1	O-RING, FRONT HEAD -UNIT E-
2	381 088 R1	WASHER, FRONT HEAD BACK-UP -UNIT A, B, AND D-
2	381 107 R1	WASHER, FRONT HEAD BACK-UP -UNIT C-
2	399 717 R1	WASHER, FRONT HEAD BACK-UP -UNIT E-
3	381 080 R1	HEAD, FRONT -UNIT A, B AND D-
3	381 106 R1	HEAD, FRONT -UNIT C-
3	545 043 R1	HEAD, FRONT -UNIT E-
4	381 083 R2	WASHER, PISTON ROD BACK-UP -2- -UNIT A, B, C AND D-
4	399 716 R2	WASHER, PISTON ROD BACK-UP -UNIT E-
5	398 978 R1	QUAD RING, PISTON ROD -UNIT A, B, C AND D-
5	399 715 R1	RING, ROD SEAL QUAD -UNIT E-
6	619 072 C91	WIPER, PISTON ROD -UNIT A, B, C AND D-
6	619 069 C91	WIPER, PISTON ROD -UNIT E-
7	381 089 R1	RING, FRONT HEAD RETAINING -UNIT A, B AND D-
7	381 111 R1	RING, FRONT HEAD RETAINING -UNIT C-
7	533 389 R1	RING, FRONT HEAD RETAINING -UNIT E-
8	252 483 R1	O-RING, 1-1/4 X 1-1/2 X 1/8 -PISTON ROD- -UNIT A AND B-

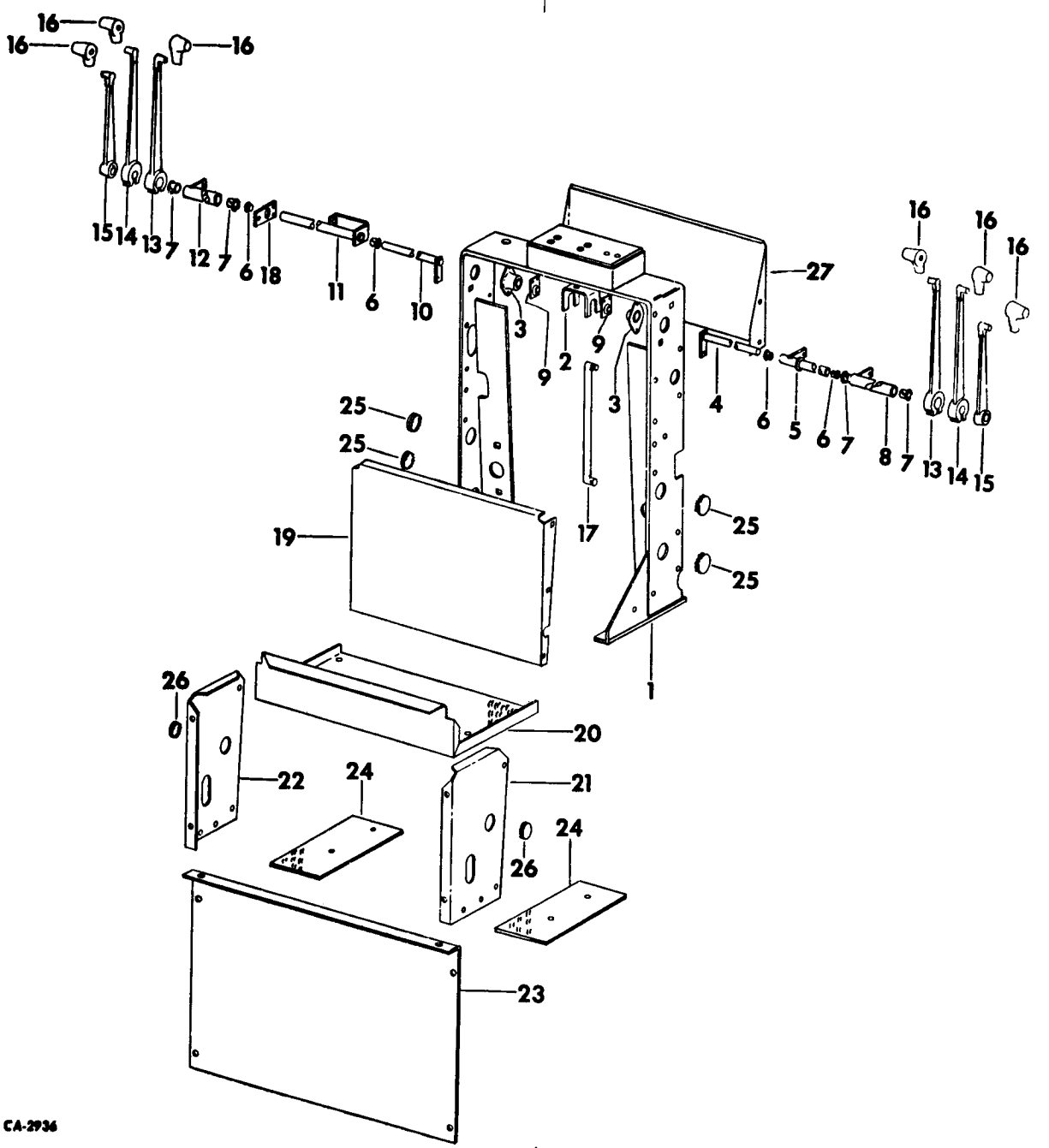
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CYLINDERS -CONTINUED	
9	381 097 R31	ROD W/TWO BUSHINGS, 468 280 R1, PISTON -UNIT A AND B-	
9	545 388 R11	ROD W/TWO BUSHINGS, 468 366 R1, PISTON -UNIT C-	
9	545 187 R11	ROD W/TWO BUSHINGS, 468 280 R1, PISTON -UNIT D-	
9	532 687 R11	ROD W/TWO BUSHINGS, 399 711 R1, PISTON -UNIT E-	
10	468 280 R1	BUSHING -UNIT A, B AND D- -2-	
10	468 366 R1	BUSHING -UNIT C- -2-	
10	399 711 R1	BUSHING -UNIT E- -2-	
11	109 461	FITTING, 1/8-27 PTF STR LUB -2 FOR UNIT A AND B- -1 FOR UNIT C, D AND E-	
11	126 152	FITTING, 1/8-27 PTF 45 DEG ANGLE LUB -1 FOR UNIT C, D AND E-	
12	381 084 R3	PISTON -UNIT A AND B- -USED W/CYLINDERS 385 612 R92 AND 385 613 R92	
12	545 188 R1	PISTON, -UNIT A, B AND D- -USED W/CYLINDERS 385 612 R93, 385 613 R93 AND 544 907 R91	
12	533 373 R1	PISTON -UNIT C- -USED W/CYLINDER 545 384 R91	
12	545 033 R1	PISTON -UNIT E-	
13	383 005 R1	RING, PISTON BEARING -FRONT- -UNIT A, B AND D-	
13	383 006 R1	RING, PISTON BEARING - FRONT -UNIT C-	
13	399 719 R1	RING, PISTON BEARING -UNIT E-	
14	381 086 R1	SEAL, PISTON -UNIT A AND B- -USED W/CYLINDERS 385 612 R92 AND 385 613 R92	
14	533 384 R1	SEAL, PISTON -UNIT E-	
14	533 374 R2	SEAL, PISTON -UNIT C- -USED W/CYLINDERS 545 384 R91-	
14	545 189 R2	SEAL, PISTON -UNIT A, B AND D- -USED W/CYLINDERS 385 612 R93, 385 613 R93 AND 544 907 R91-	
14	548 415 R1	RING, PISTON SEAL -UNIT E-	
15	380 910 R1	O-RING, 3 X 3-3/ 6 3/32 -PISTON SEAL -UNIT A AND B- -USED W/CYLINDERS 385 612 R92 AND 385 613 R92-	
15	533 375 R1	SEAL, PISTON INNER -UNIT C- -USED W/CYLINDERS 545 384 R91-	
15	545 190 R1	RING, PISTON INNER -UNIT A, B AND D- -USED W/CYLINDERS 385 612 R93, 385 613 R93 AND 544 907 R91-	
16	383 005 R1	RING, PISTON BEARING REAR -UNIT A, B AND D-	
16	383 006 R1	RING, PISTON BEARING REAR -UNIT C-	

-9- SECTION P
3142A BACKHOE

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CYLINDERS -CONTINUED	
17	25 126 R1	NUT, 1-1/8 -12 PHC GR HEX LOCK -UNIT A, B AND D-	
17	25 049 R1	NUT, 1-1/2-12 CDP HEX. -UNIT C AND E-	
18	385 614 R92	BODY W/TWO BUSHINGS, 468 280 R1, HYDRAULIC CYLINDER, HYD LH -UNIT A	
18	385 615 R92	BODY W/TWO BUSHINGS, 468 280 R1, HYDRAULIC CYLINDER, HYD RH -UNIT B	
18	545 386 R91	BODY W/TWO BUSHINGS, 468 366 R , HYDRAULIC CYLINDER -UNIT C-	
18	545 184 R91	BODY W/TWO BUSHINGS, 389 732 R1, HYDRAULIC CYLINDER -UNIT D-	
18	545 031 R91	BODY W/TWO BUSHINGS, 399 711 R1, HYDRAULIC CYLINDER -UNIT E-	
19	468 280 R1	BUSHING -UNIT A AND B-	
19	468 366 R1	BUSHING -UNIT -C-	
19	399 711 R1	BUSHING -UNIT E-	
19	389 732 R1	BUSHING -UNIT D-	
	471 267 R95	KIT, HYD CYL SERVICE -UNIT A AND B- -CONSISTS OF	
		1 O-RING 252 483 R1	
		1 O-RING 352 216 R1	
		1 O-RING 380 910 R1	
		1 QUAD-RING 398 978 R1	
		2 RING 383 005 R1	
		1 SEAL 381 086 R1	
		2 WASHER 381 083 R2	
		1 WASHER 381 088 R1	
		1 WIPER 619 072 C91	
		1 SEAL 545 189 R2	
		1 RING 545 190 R1-	
	545 831 R92	KIT, HYD CYL SERVICE -UNIT C- -CONSISTS OF	
		1 RING 398 978 R1	
		2 WASHER 381 083 R2	
		1 WIPER 619 072 C91	
		2 RING 383 006 R1	
		1 SEAL 533 374 R2	
		1 SEAL 533 375 R1	
		1 O-RING 347 801 R1	
		1 WASHER 381 107 R1-	
	545 299 R92	KIT, HYD CYL SERVICE -UNIT D- -CONSISTS OF	
		2 RING 383 005 R1	
		1 RING 545 189 R2	
		1 O-RING 545 190 R1	
		1 O-RING 352 216 R1	
		1 WASHER 381 088 R1	
		1 RING 398 978 R1	
		2 WASHER 381 083 R2	
		1 WIPER 619 072 C91-	
	400 656 R94	KIT, HYD CYL SERVICE -UNIT E- -CONSISTS OF	
		1 O-RING 347 914 R1	
		1 O-RING 22 240 R1	
		1 O-RING 468 339 R1	
		1 RING 399 715 R1	
		1 RING 468 340 R1	
		2 RING 399 719 R1	
		1 RING 399 721 R1	
		1 SEAL 548 415 R1	
		1 SEAL 533 384 R1	
		1 WIPER 619 069 C91	
		1 WASHER 399 717 R1	
		2 WASHER 399 716 R1-	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

HYDRAULIC CONTROLS AND FLOOR PLATES



REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

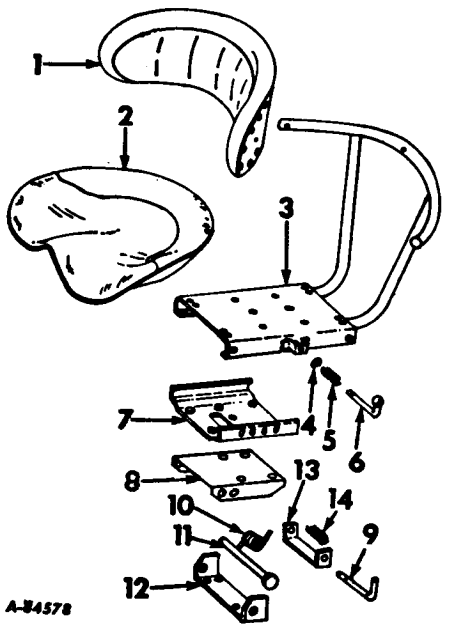
HYDRAULIC CONTROLS AND FLOOR PLATES -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONTROLS AND FLOOR PLATES -CONTINUED	
1	103 450 C1	BRACKET ASSY	
	180 124	SCREW, 3/8-16 X 1-1/4 ZND HEX-HD CAP -4-	
	138 542	WASHER, 3/8 C-Z INT TOOTH -4-	
	120 377	NUT, 3/8-16 C-Z HEX. -4-	
2	481 664 R1	BRACKET, BEARING SUPPORT	
	180 079	SCREW, 5/16-18 X 1 ZND HEX-HD CAP -2-	
	178 542	WASHER, 5/16 ZND INT-EXT TOOTH LOCK -2-	
	120 376	NUT, 5/16-18 ZND HEX. -2-	
3	608 879 R91	BEARING ASSY -2-	
	17 351 R1	BOLT, 3/8 X 1 C-Z SQ-NK CRG -4-	
	138 542	WASHER, 3/8 C-Z INT TOOTH LOCK -4-	
	120 377	NUT, 3/8-16 C-Z HEX. -4-	
4	492 589 R1	SHAFT ASSY, STABILIZER CONTROL RH	
5	481 675 R91	SHAFT ASSY, CROWD CONTROL	
6	307 920 R1	BEARING -4-	
7	477 554 R1	BEARING, CENTER CONTROL -4-	
8	481 670 R91	SHAFT ASSY, LIFT CONTROL	
9	481 683 R91	BEARING ASSY, SELF ALIGNING -2-	
	180 020	SCREW, 1/4-20 X 3/4 ZND HEX-HD CAP -4-	
	120 423	WASHER, 1/4 C-Z INT TOOTH LOCK -4-	
	120 375	NUT, 1/4-20 C-Z HEX. -4-	
10	492 588 R1	SHAFT ASSY, STABILIZER CONTROL LH	
11	103 326 C1	SHAFT ASSY, SWING CONTROL	
12	481 667 R91	SHAFT ASSY, BUCKET CONTROL	
13	544 957 R1	HANDLE, BUCKET & BOOM CONTROL -2-	
	180 132	SCREW, 3/8-16 X 2-1/4 ZND HEX-HD CAP -2-	
	178 551	WASHER, 3/8 ZND INT-EXT TOOTH LOCK -2-	
	120 377	NUT, 3/8-16 ZND HEX. -2-	
14	544 958 R1	HANDLE, CROWD & SWING CONTROL -2-	
	180 132	SCREW, 3/8-16 X 2-1/4 ZND HEX-HD CAP -2-	
	178 551	WASHER, 3/8 ZND INT-EXT TOOTH LOCK -2-	
	120 377	NUT, 3/8-16 ZND HEX. -2-	
15	544 959 R1	HANDLE, STABILIZER CONTROL -2-	
	431 662	SCREW, 3/8-16 X 3/4 ZND HEX-SOC-HD CUP-PT SET -2-	
	106 751	KEY, 3/16 X 3/4 WOODRUFF -2-	
16	379 022 R2	KNOB, CONTROL HANDLE -6-	
17	492 590 R1	LINK, CONTROL VALVE -6-	
	103 343	WASHER, 17/32 X 1-1/16X 13 GA -6-	
	103 373	PIN, 3/32 X 3/4 COT. -12-	
	103 341	WASHER, 13/32 X 13/16 X 16 GA -6-	
18	492 587 R1	PLATE, SWING SUPPORT	
	180 079	SCREW, 5/16-18 X 1 ZND HEX-HD CAP -2-	
	138 538	WASHER, 5/16 C-Z INT TOOTH LOCK -2-	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
19	492 597 R2	SHEET, COVER	
	483 360 R91	NUT, CAGE -6-	
20	492 596 R2	SHEET, FLOOR	
	180 120	SCREW, 3/8-16 X 3/4 ZND HEX-HD CAP -6-	
	138 542	WASHER, 3/8 C-Z INT TOOTH LOCK -6-	
	120 377	NUT, 3/8-16 C-Z HEX. -6-	
21	492 591	SHEET ASSY, SIDE LH	

3142A BACKHOE -11- SECTION P

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC CONTROLS AND FLOOR PLATES -CONTINUED	
22	492 592 R1	SHEET ASSY, RH	
	180 120	SCREW, 3/8-16 X 3/4 ZND HEX-HD CAP -4-	
	180 126	SCREW, 3/8-16 X 1-1/2 ZND HEX-HD CAP -8-	
	138 542	WASHER, 3/8 C-Z INT TOOTH LOCK -10-	
	120 377	NUT, 3/8-16 C-Z HEX. -10-	
	180 077	SCREW, 5/16-18 X 3/4 ZND HEX-HD CAP -10-	
	180 075	SCREW, 5/16-18 X 5/8 ZND HEX-HD CAP -4-	
	115 548	WASHER, 5/16 C-Z MED SPRING LOCK -8-	
	178 532	WASHER, 5/16 ZND INT-EXT TOOTH LOCK -6-	
	120 376	NUT, 5/16-18 ZND HEX. -4-	
23	492 595 R1	SHEET, VALVE COVER	
24	492 598 R1	BAR, SIDE FLOOR PLATE -2-	
	180 122	SCREW, 3/8-16 X 1 ZND HEX-HD CAP -4-	
	120 377	NUT, 3/8-16 C-Z HEX. -4-	
	138 542	WASHER, 3/8 ZND INT TOOTH LOCK -4-	
25	432 420	PLUG, 1-5/8 BUTTON -4-	
26	432 571	PLUG, 1-7/8 C-Z BUTTON -2-	
27		NOT USED THIS APPLICATION	

SEAT AND SUPPORT



REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	469 119 R91	SEAT ASSY, BACKHOE PREMIER -CONSISTS OF REF. NOS 1 THROUGH 7-	
1	469 121 R91	BACKREST ASSY, PREMIER	
2	469 122 R91	CUSHION ASSY, PREMIER SEAT	
	120 368	NUT, 5/16-24 - C-Z HEX. -4-	
	120 214	WASHER, 5/16 LOCK - C-Z -4-	
3	469 120 R91	FRAME ASSY, HI-BACK PREMIER	
9	413 946	NUT, 1/4 STOVER HEX LOCK - CAD PLTD.	
	155 338	SCREW, 1/4 X 1/2 RD HD CROSS RECESS MACH C-Z	
	155 358	SCREW, 1/4 X 1 RD HD CROSS RECESS MACH C-Z -3-	
4	104 977 R1	RING , SLIDE HANDLE RETAINING	
5	469 125 R1	SPRING, SLIDE ADJUSTING PLUNGER	
6	469 124 R11	PLUNGER W/KNOB ASSY, SLIDE ADJUSTING	
	103 340	WASHER, 11/32 X 11/16 X 16 GA. FLAT	
7	469 123 R11	SLIDE ASSY, LOWER	
	180 075	SCREW, 5/16-18 X 5/8 C-Z HEX-HD CAP -4-	
	120 214	WASHER, 5/16 C-Z MED LOCK -4-	
8	540 967 R2	SUPPORT ASSY, SEAT	
	180 077	SCREW, 5/16-18 X 3/4 ZND HEX-HD CAP -4-	
	138 538	WASHER, 5/16 C-Z INT-TOOTH LOCK -4-	
9	484 482 R2	ROD, SEAT LATCH HANDLE	
	103 384	PIN, 1/8 X 3/4 COT.	
	120 394	WASHER, 13/32 X 13/16 X .051	
10	15 068 EB	SPRING, SEAT	
11	625 326 R1	PIN, 3/8 X 6 STD-HD	
	120 394	WASHER, 13/32 X 13/16 X .051	
	103 384	PIN, 1/8 X 3/4 COT.	

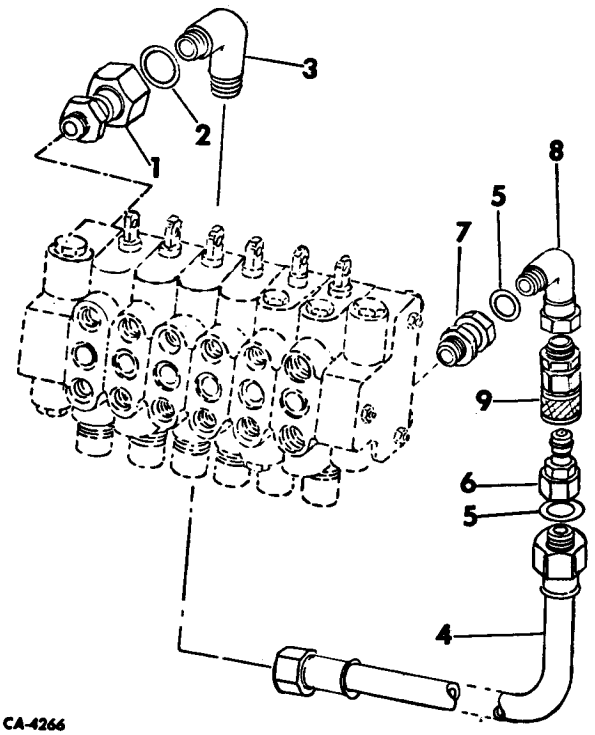
3142A BACKHOE -12- SECTION P

SEAT AND SUPPORT -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
12	477 567 R1	BRACKET, SEAT	
	120 376	NUT, 5/16-18 C-Z HEX. -2-	
	180 081	SCREW, 5/16-18 X 1-1/4 C-Z HEX-HD CAP -2-	
	120 214	WASHER, 5/16 C-Z MED LOCK -2-	
13	484 481 R1	BRACKET, SEAT LATCH	
	120 375	NUT, 1/4-20 C-Z HEX -2-	
	453 049	SCREW, 1/4-20 X 3/4 PAN-HD SLT -2-	
	120 380	WASHER, 1/4 C-Z MED LOCK -2-	
14	359 109 R2	SPRING	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		HYDRAULIC TUBES AND CONNECTIONS -CONTINUED	
16	9 403 294	NUT, 3/4-16 BULKHEAD LOCK -4-	
	138 561	WASHER, 3/4 C-Z INT TOOTH LOCK -4-	
17	492 609 R1	TUBE ASSY, BOTTOM PORT STABILIZER LH W/O STABILIZER CHECK VALVE-	
18	492 608 R1	TUBE ASSY, TOP PORT STABILIZER RH W/O STABILIZER CHECK VALVE-	
19	492 607 R1	TUBE ASSY, BOTTOM PORT STABILIZER RH W/O STABILIZER CHECK VALVE-	
20	486 004 R1	CHANNEL, TUBE CLAMP -4-	
	180 128	SCREW, 3/8-16 X 1-3/4 ZND HEX-HD CAP -4-	
	120 382	WASHER, 3/8 C-Z MED LOCK -6-	
	120 377	NUT, 3/8-16 C-Z HEX. -6-	
21	543 673 R1	TUBE ASSY, LIFT TO CHECK VALVE	
22	543 672 R1	TUBE ASSY, TOP PORT CROWD CYL TO CHECK VALVE	
22	492 603 R1	TUBE ASSY, TOP PORT CROWD CYL -W/O LEVER OPERATED CHECK VALVES-	
23	543 671 R1	TUBE ASSY, TOP PORT CROWD CYL TO CHECK VALVE	
24	543 670 R1	TUBE ASSY, BOTTOM PORT LIFT CYLINDER	
24	492 601 R1	TUBE ASSY, BOTTOM PORT LIFT CYLINDER -W/O LEVER OPERATED CHECK VALVES-	
25	406 794 R1	UNION ASSY, ORIFICE	
26	9 410 204	UNION, 7/8-14 37 DEG FLARED TUBE SHORT SWIVEL	
27	9 410 282	ELBOW, 7/8-14 37 DEG FLARED TUBE 90 DEG SWIVEL -2-	
28	9 402 944	ELBOW, 7/8-14 37 DEG FLARED TUBE 90 DEG	
29	485 313 R1	ADAPTER, SWIVEL 7/8-14 J.I.C.	
30		VALVES HYDRAULIC CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF HYDRAULIC CONTROL VALVE-	
31	488 897 R92	VALVE ASSY, CHECK LEVER OPERATED -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF LEVER OPERATED CHECK VALVE-	
	20 903 R1	SCREW, 3/8-11 X 5-1/4 ZND HEX HD CAP -2-	
	120 382	WASHER, 3/8 ZND MED LOCK -2-	
	120 377	NUT, 3/8-16 ZND HEX -2-	
32	400 433 R92	VALVE ASSY, STABILIZER CHECK -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF STABILIZER CHECK VALVE-	
33	364 839 R1	O-RING, 3/8 TUBE	
34	61 778 C1	CONNECTOR, 5/8-12 UNION ORIFICE -2-	

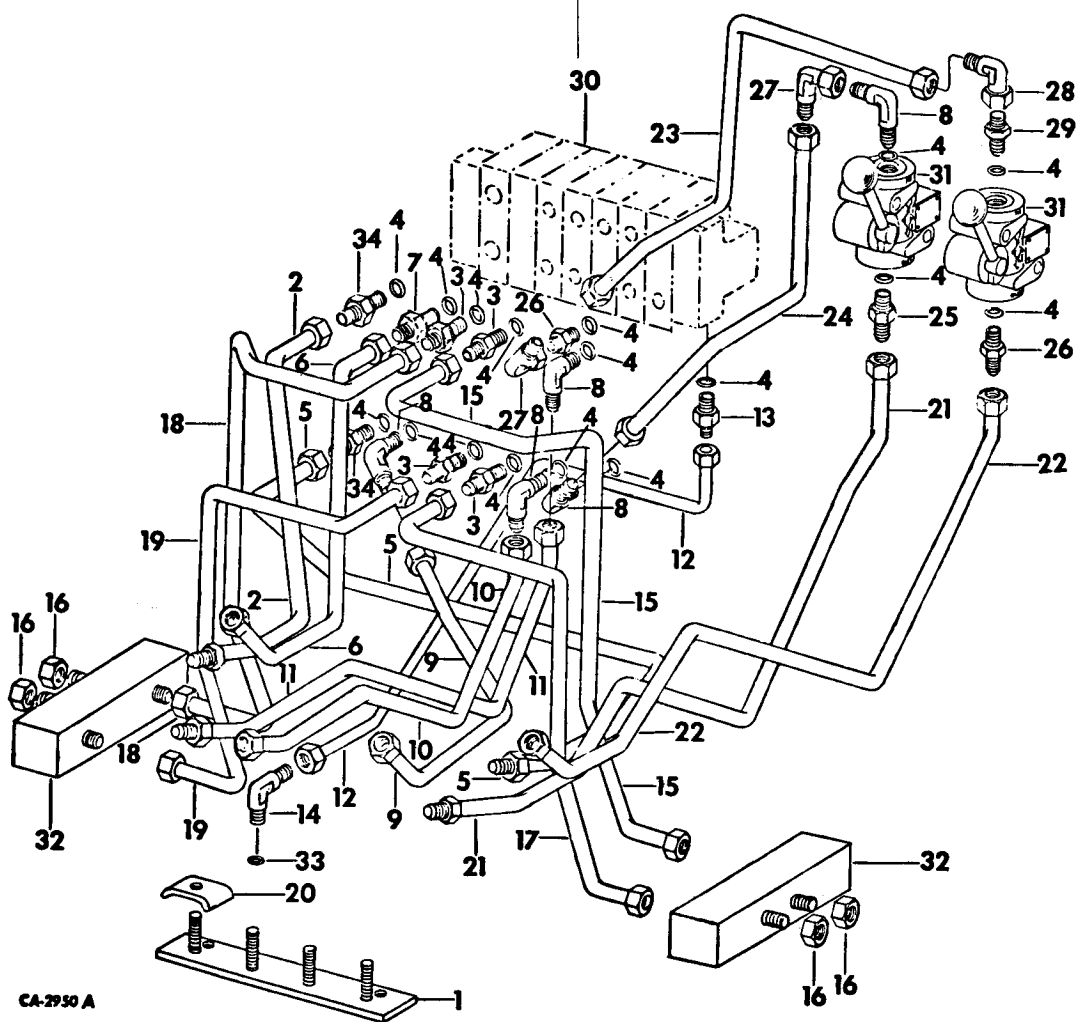
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		POWER SUPPLY CONNECTIONS	



CA-4266

REF. NO.	PART NUMBER	DESCRIPTION
1	103 665 C1	CONNECTOR, 1-3/16 TO 1-5/16
2	297 459 R1	O-RING, 7/8 TUBE
3	9 402 947	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE 90 DEG UNION
4	710 216 C1	HOSE ASSY, HYD
5	296 247 R1	O-RING, 1.0 TUBE -2-
6	480 743 R91	NIPPLE ASSY, HYD SNAP TITE
	481 805 R91	SERVICE KIT
7	481 766 R1	ADAPTER
8	9 410 285	ELBOW, 1-5/16-12 C-Z FLARED TUBE 90 DEG SWIVEL
9	480 744 R91	COUPLER ASSY, HYD SNAP TITE
	481 805 R91	SERVICE KIT

HYDRAULIC TUBES AND CONNECTIONS

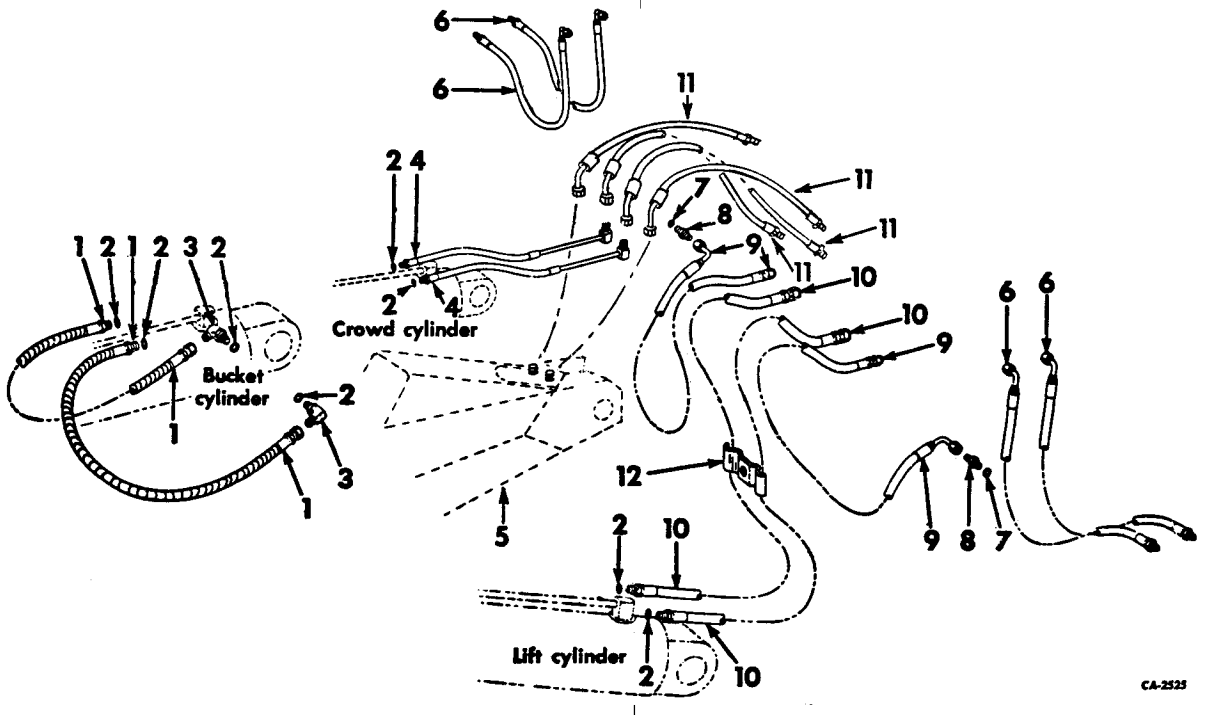


REF. NO.	PART NUMBER	DESCRIPTION
1	492 612 R1	STRAP ASSY, HYD LINE CLAMP
	180 124	SCREW, 3/8-16 X 1-1/4 ZND HEX-HD CAP -2-
2	103 328 C1	TUBE ASSY, TOP PORT SWING CYL
3	481 352 R1	CONNECTOR, 5/8-1/2 REDUCER -4-
4	364 885 R1	O-RING, 5/8 TUBE -17-
5	103 329 C1	TUBE ASSY, BOTTOM PORT SWING CYL
6	492 600 R1	TUBE ASSY, TOP PORT BUCKET CYL
7	9 410 204	CONNECTOR, 7/8-14 37 DEG HYD FLARED TUBE SHORT SWIVEL -2-

HYDRAULIC TUBES AND CONNECTIONS -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
8	9 410 978	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG -5-
9	492 599 R1	TUBE ASSY, BOTTOM PORT BUCKET CYLINDER
10	492 604 R1	TUBE ASSY, BOTTOM PORT CROWD CYLINDER
11	492 602 R1	TUBE ASSY, TOP PORT LIFT CYLINDER
12	492 611 R1	TUBE ASSY, RETURN TO SWING
13	935 433 R1	UNION, 3/8 TO 5/8 TUBE BOSS
14	9 410 976	ELBOW, 9/16-18 37 DEG HYD FLARED TUBE ADJ STR THD 90 DEG
15	492 610 R1	TUBE ASSY TOP PORT STABILIZER LH W/O STABILIZER CHECK VALVE-

HYDRAULIC CONNECTIONS -BASIC-

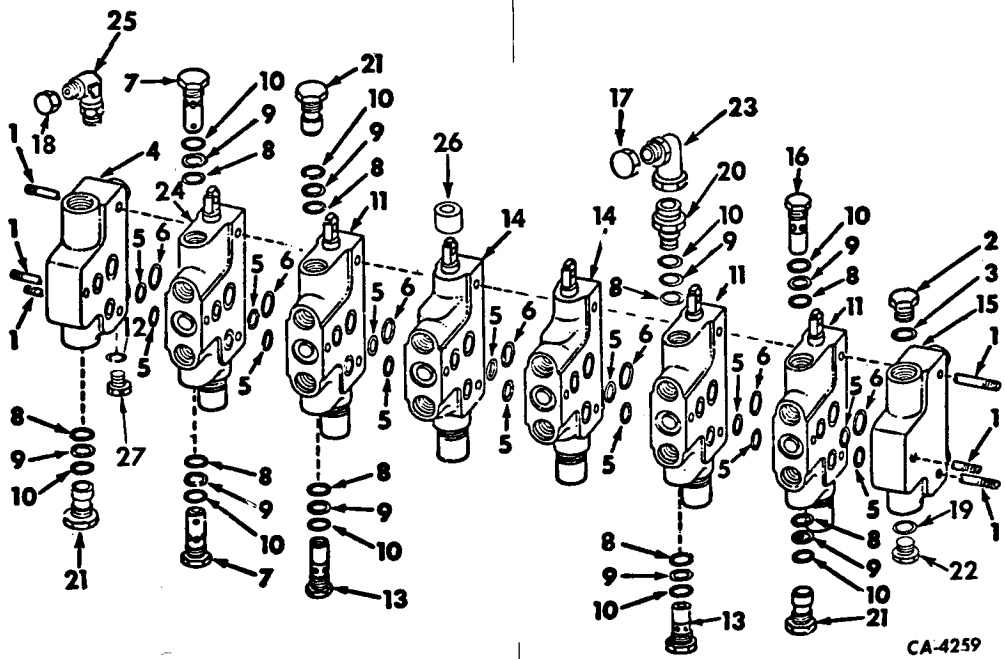


REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
1	472 789 R91	HOSE ASSY, BOOM TO BUCKET - 53 IN. -2-	
2	364 885 R1	O-RING, 5/8 TUBE -8-	
3	9 410 978	ELBOW, 7/8-14 37 DEG HYD FLARED TUBE -2-	
4	545 849 R1	HOSE ASSY, CROWD CYL -2-	
5		BOOM ASSY -REFER TO BOOM, BUCKET, DIPPERSTICK, HYDRAULIC CYLINDERS AND CONNECTIONS-	
6	470 256 R91	HOSE ASSY, BULKHEAD TO STABILIZER -4-	

HYDRAULIC CONNECTIONS -BASIC- -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
7	364 839 R1	O-RING, 3/8 TUBE -2-	
8	382 449 R1	CONNECTOR, 1/2 - 3/8 REDUCING TUBE -2-	
9	481 700 R93	HOSE ASSY, BULKHEAD TO SWING 32 IN. -2-	
10	481 698 R93	HOSE ASSY, PIPE TO LIFT CYL 51 IN. -2-	
11	481 641 R91	HOSE, PIPE TO BOOM 41.5 IN. -4-	
12	469 998 R1	CLAMP, HYD HOSE	
	120 378	NUT, 1/2-13 C-Z HEX.	
	120 238	NUT, 1/2-13 C-Z HEX. JAM	

HYDRAULIC VALVES



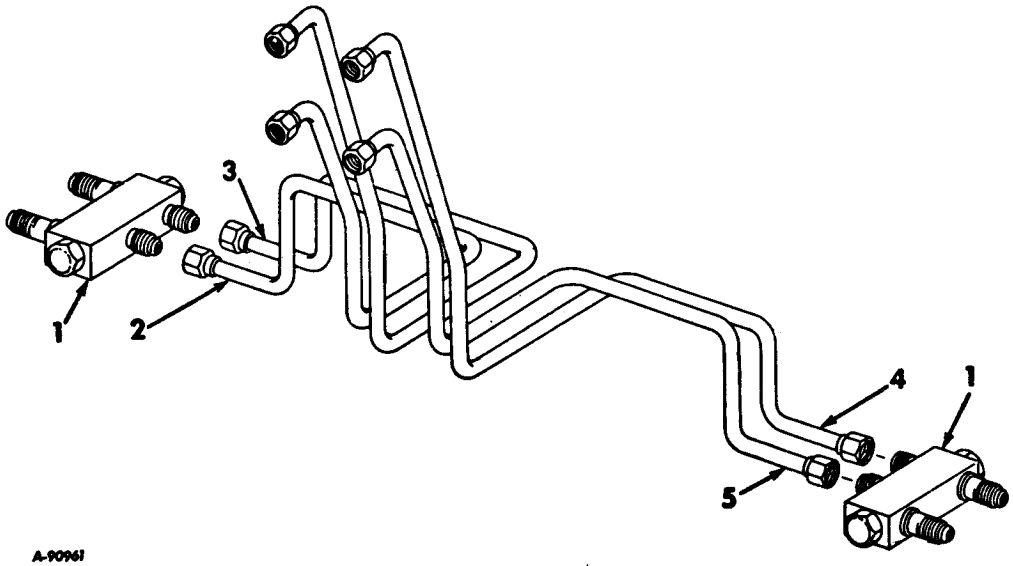
REF. NO.	PART NUMBER	DESCRIPTION
		VALVE BANK ASSY, BACKHOE
	180 173	SCREW, 1/2-13 X 1 ZND HEX-HD CAP -4-
	120 384	WASHER, 1/2 ZND MED LOCK -4-
1	61 739 C1	ROD, TIE -3-
	102 635	NUT, 3/8-16 HEX. -6-
	527 476 R1	WASHER, 3/8 LOCK -6-
2	9 410 362	PLUG, 1-3/16 C-Z STR THD O-RING BOSS OUTLET VALVE COVER -LARGE-
3	297 459 R1	O-RING, 1-3/64 X 1-9/32 X 7/64 -2-
4	532 255 R1	COVER, RIGHT SIDE END
5	381 884 R1	O-RING, 1 X 1-3/16 X 3/32 -14- -VALVE OUTLET COVER-
6	381 885 R1	O-RING, 1-3/8 X 1-9/16 X 3/32 -7- -VALVE OUTLET COVER-
7	387 229 R91	VALVE ASSY, ANTI-CAVITATION -2-
8	383 219 R1	O-RING, 15/16 X 1-1/8 X 3/32 -9-
9	378 985 R2	WASHER, PILOT OPERATED RELIEF VALVE BACKUP -9-
10	364 879 R1	O-RING, 7/8 X 2-2/26 X 3/32 -9-
11	394 705 R96	VALVE ASSY, HYD OPEN CENTER CONTROL -3- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-
12	364 839 R1	O-RING, 3/8 OD TUBE FITTING
13	382 479 R91	VALVE ASSY, CUSHION RELIEF- 2500 P.S.I. -2-

HYDRAULIC VALVES -CONTINUED

REF. NO.	PART NUMBER	DESCRIPTION
14	383 271 R96	VALVE ASSY, HYD OPEN CENTER CONTROL -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-
15	392 968 R2	COVER, LEFT SIDE END
16	382 928 R91	VALVE ASSY, CUSHION RELIEF 2000 PSI
17	9 403 376	CAP, 1-5/16-12 ZND 37 DEG FLARED TUBE
18	9 403 375	CAP, 1-3/16-12 37 DEG HYD FLARED TUBE
19	364 885 R1	O-RING, 3/4 X 15/16 X 3/32
20	543 691 R1	PLUG, W/OPEN PORT
21	378 899 R1	PLUG, RELIEF VALVE CHAMBER -3-
22	9 410 360	PLUG, 7/8-14 ZND STR-THD O-RING BOSS
23	9 410 285	ELBOW, 1-5/16-12 37 DEG HYD FLARED TUBE 90 DEG SWIVEL
24	383 270 R94	VALVE ASSY, HYD OPEN CENTER CONTROL -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF THREE POSITION SPRING CENTERED CONTROL VALVE-
25	9 410 980	ELBOW, 1-3/16-12 C-Z 37 DEG HYDRAULIC FLARED TUBE 90 DEG
26	543 201 R1	SEAL, VALVE SPOOL DUST -6-
	20 703 R1	WASHER, 29/32 X 1-3/4 X 16 GA ZND -6-
27	9 410 358	PLUG, 9/16-18 STR-THD O-RING BOSS

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

CHECK VALVES AND CONNECTIONS
-STABILIZER-



A-90961

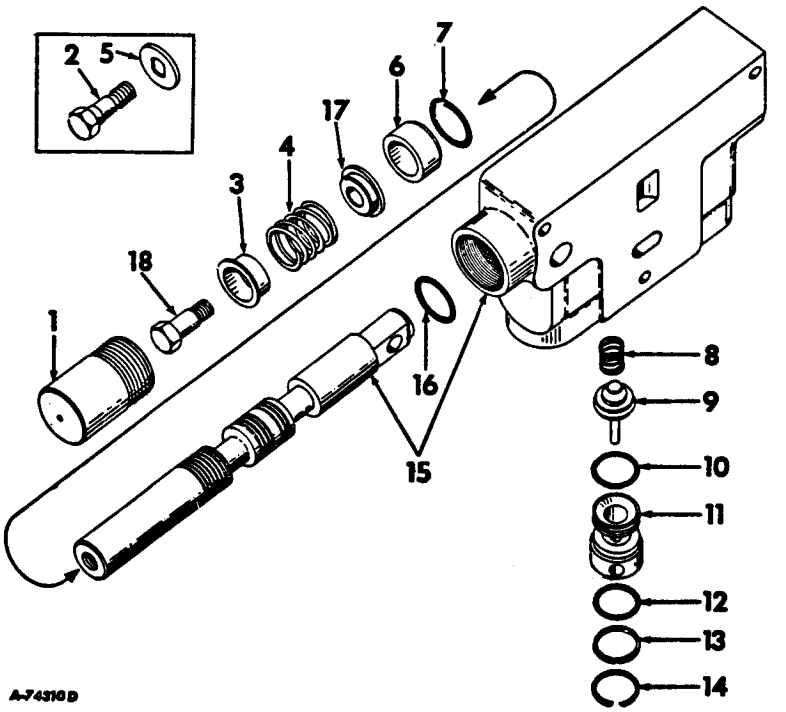
1	400 433 R92	VALVE ASSY, STABILIZER CHECK -2- -FOR COMPONENTS SEE LIST OF PARTS UNDER DETAILS OF STABILIZER CHECK VALVE-	
9	403 294	NUT, 3/4-16 BULKHEAD LOCK -4-	
2	543 669 R1	TUBE ASSY, BOTTOM PORT RIGHT STABILIZER	
3	543 668 R1	TUBE ASSY, TOP PORT RIGHT STABILIZER	
4	543 666 R1	TUBE ASSY, TOP PORT LEFT STABILIZER	
5	543 667 R1	TUBE ASSY, BOTTOM PORT LEFT STABILIZER	

3142A BACKHOE -17- SECTION P

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

CHECK VALVES AND CONNECTIONS -CONTINUED
-STABILIZER-

HYDRAULIC CONTROL VALVES
-THREE POSITION SPRING CENTERED-



A-74310D

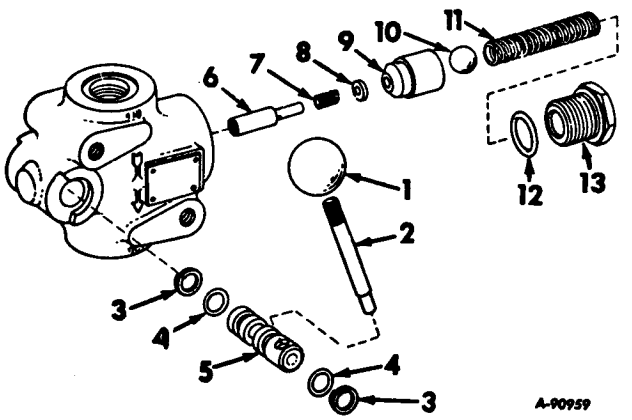
REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
	383 270 R94	VALVE ASSY, HYDRAULIC CONTROL	
	383 271 R96	VALVE ASSY, HYDRAULIC CONTROL	
	394 705 R96	VALVE ASSY, HYDRAULIC CONTROL	
1	395 782 R2	CAP, CENTERING SPRING	
2		NOT USED IN THIS APPLICATION	
3	376 423 R1	RETAINER, CENTERING SPRING	
4	384 381 R1	SPRING, CENTERING	
5		NOT USED IN THIS APPLICATION	
6	395 781 R3	RETAINER, VALVE SPOOL O-RING	
7	528 249 R1	O-RING, 7/8 X 1-1/16 X 3/32 -CONTROL VALVE SPOOL LOWER-	
8	395 278 R1	SPRING, CHECK POPPET	
9	395 277 R1	POPPET, W/SEAL CHECK	
10	364 879 R1	O-RING, 7/8 X 1-1/16 X 3/32 -CHECK BALL RETAINER INNER-	
11	383 280 R1	RETAINER, CHECK BALL	
12	362 796 R1	O-RING, 15/16 X 1-1/8 X 3/32 -CHECK BALL RETAINER OUTER-	

HYDRAULIC CONTROL VALVES -CONTINUED
-THREE POSITION SPRING CENTERED-

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
13	376 433 R1	WASHER, VALVE BODY PLUG O-RING BACK-UP	
14	537 603 R1	RING, CHECK BALL RETAINER SNAP	
15		BODY ASSY, CONTROL VALVE -NOT SERVICED SEPARATELY, ORDER VALVE ASSY-	
16	406 181 R1	O-RING, 7/8 X 1-1/8 X 1/8 -CONTROL VALVE SPOOL UPPER	
17	406 825 R1	RETAINER, CENTERING SPRING	
18	395 950 R1	SCREW, CENTERING SPRING	
	383 548 R92	PACKAGE, OPEN CENTER CONTROL VALVE CONSISTS OF-	
		1 O-RING 406 181 R1	
		1 O-RING 528 249 R1	
		1 O-RING 359 158 R1	
		1 O-RING 362 796 R1	
		1 O-RING 364 879 R1	
		1 POPPET ASSY 395 277 R1	
		1 RETAINER 383 280 R1	
		1 RING SNAP 537 603 R1	
		1 SPRING 395 278 R1	
		1 WASHER 376 433 R1-	
	548 787 R91	PACKAGE, CONTROL VALVE LOWER SEAL -CONSISTS OF	
		1 O-RING 528 249 R1	
		1 RETAINER 395 781 R3	
		1 CAP 395 782 R2-	

BKH-1

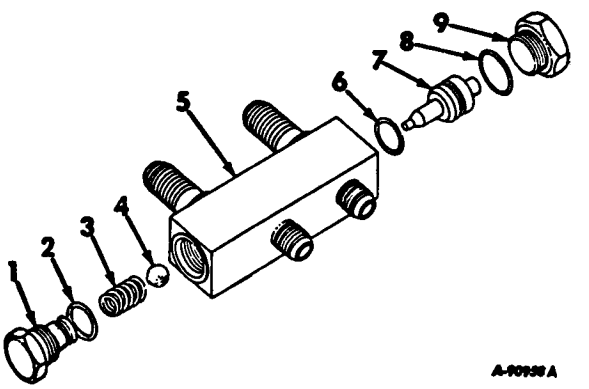
CHECK VALVE LEVER OPERATED



REF. NO.	PART NUMBER	DESCRIPTION
	488 897 R92	VALVE ASSY, CHECK
1	489 055 R1	KNOB
2	489 054 R1	HANDLE
3	157 925 H1	RING, BACK-UP -2-
4	355 966 R1	O-RING, 7/16 X 5/8 X 3/32 -2-
5	489 053 R1	CAM
6	489 056 R2	CAM FOLLOWER
7	489 058 R2	SPRING
8	489 057 R2	WASHER
9	489 051 R1	VALVE, POPPET
10	16 016 R1	BALL, 1/2 DIA CHROME STEEL
11	489 052 R1	SPRING
	17 272 R1	PIN, ROLL DRIVE
12	368 269 R1	O-RING, 3/4 OD TUBE
13	489 050 R1	PLUG, CHECK VALVE -4-

BKH-1

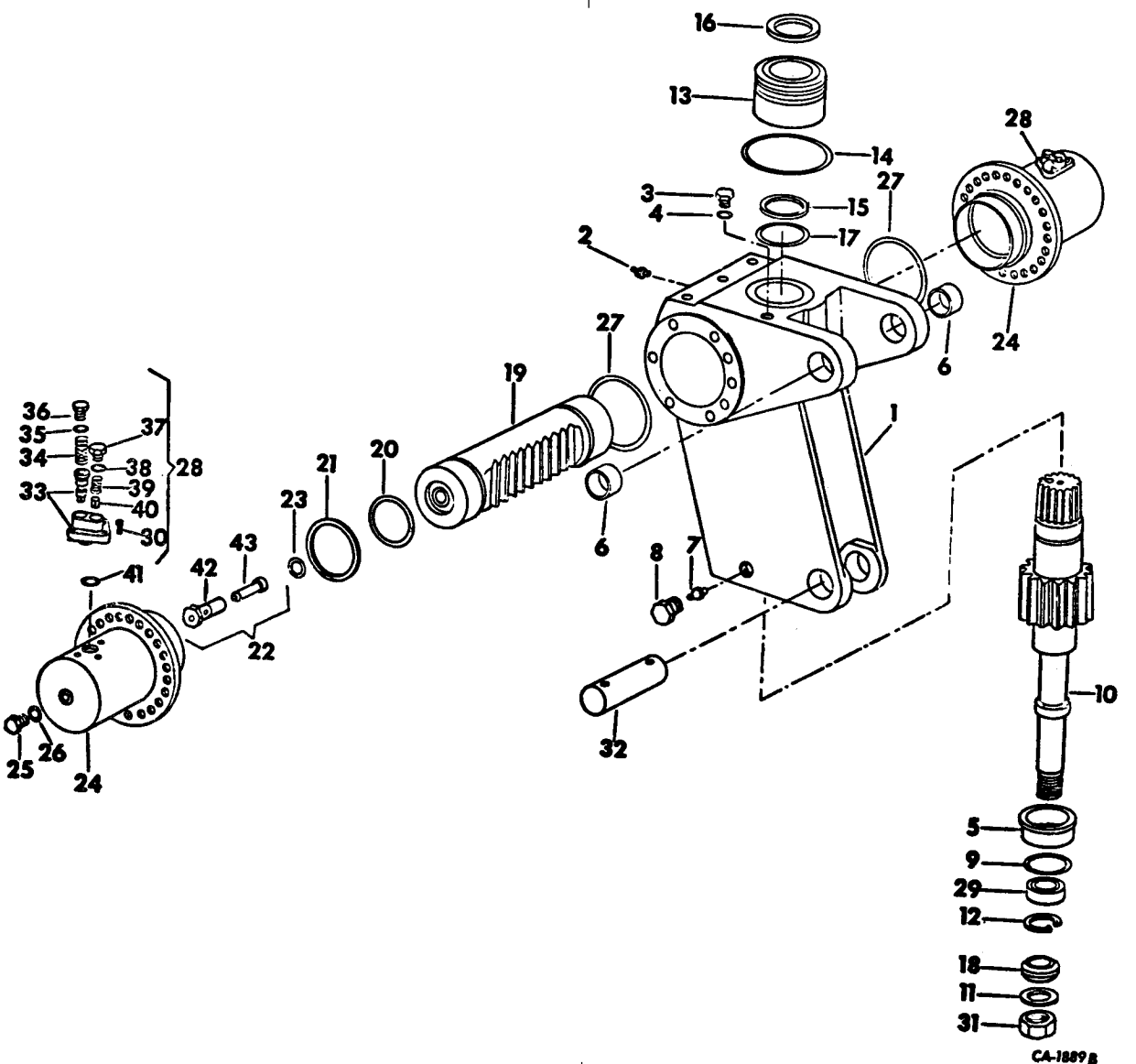
CHECK VALVE
-STABILIZER-



REF. NO.	PART NUMBER	DESCRIPTION
	400 433 R92	VALVE ASSY, STABILIZER CHECK
1	59 060 C1	PLUG, CHECK VALVE -ALSO FURNISH SPRING, 59 061 C1-
2	364 885 R1	O-RING FOR 5/8 OD TUBE CHECK VALVE RING
3	59 061 C1	SPRING, CHECK VALVE -ALSO FURNISH PLUG, 59 060 C1-
4	17 016 R1	BALL, 1/2 CR-STL
5		BLOCK ASSY. CHECK VALVE -NOT SERVICE SEPARATELY-
6	21 433 R1	O-RING, ACTUATOR CHECK VALVE -REPLACES 350 667 R1-
7	362 707 R3	PISTON, ACTUATOR CHECK VALVE
8	368 269 R1	O-RING FOR 3/4 OD TUBE CHECK VALVE RING
9	400 664 R1	PLUG, O-RING BOSS

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

SWING MECHANISM



1	545 216 R91	HOUSING W/BUSHING, SWING	
2	479 670 R1	SCREW, 1/2-13 X 2 HEX-SOC-HD HALF DOG PT SET	
3	9 410 360	PLUG, 7/8-14 C-Z STR-THD O-RING BOSS	
4	364 885 R1	O-RING, 5/8 OD TUBE	
5	468 332 R1	BUSHING, LOWER SHAFT BRONZE	
6	468 366 R1	BUSHING, PIVOT PIN -2-	

REF. NO. | PART NUMBER | DESCRIPTION | BKH-1

SWING MECHANISM -CONTINUED

7	110 146 R91	FITTING, 1/8-28 PTF STR LUB	
8	445 097	PLUG, 7/8-18 HEX-HD DRAIN	
9	471 140 R1	O-RING, 3 X 3-3/8 X 3/16	
10	545 219 R2	SHAFT	
	18 460 R1	NUT, 1-1/2-12 NYLON INSERT	
11	544 150 R1	WASHER, SHAFT	
12	468 337 R1	RING, LOWER SHAFT BUSHING RETAINING	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		SWING MECHANISM -CONTINUED	
13	545 220 R1	BUSHING, UPPER SWING SHAFT	
14	3 046 994 R1	O-RING, 5-5/8 X 5-7/8 X 1/8	
15	489 532 R1	WASHER, BACKUP	
16	468 334 R91	SEAL, UPPER SHAFT BUSHING DUST	
17	468 335 R1	O-RING, 3-3/8 X 3-3/4 X 3/16	
18	468 336 R1	SPACER, LOWER SHAFT BEARING	
19	488 498 R1	PISTON	
20	468 339 R1	O-RING, 4 X 4-1/4 X 1/8 -2-	
21	468 340 R1	RING, PISTON -2-	
22	394 311 R91	VALVE ASSY, PISTON SAFETY -2-	
23	296 247 R1	O-RING, 1 IN. OD TUBE -2-	
24	545 221 R1	BODY, SWING CYL -2-	
	484 667 R1	SCREW, 5/8-11 X 1-1/2 HEX-HD CAP -16-	
25	9 410 358	PLUG, 9/16-18 C-Z STR THD O-RING BOSS -2-	
26	364 839 R1	O-RING, 3/8 OD TUBE -2-	
27	285 253 R1	O-RING, 5-1/2 X 5-3/4 X 1/8 -2-	
28	544 698 R91	VALVE ASSY, DECELERATOR -2-	
29	545 222 R91	BEARING, SELF-ALIGNING SWING SHAFT	
30	601 924 C1	SCREW, 3/8-16 X 7/8 FLANGED 12 PT -6-	
31	18 460 R1	NUT, 1-1/2-12 HEX. NYLON INSERT	
32	468 370 R1	PIN, LIFT CYL PIVOT	
	631 252 R1	PIN, 3/8 X 4-1/8 STD-HD -2-	
	177 923	PIN, 1/8 X 3/4 C-Z COT. -2-	
33	544 699 R1	HOUSING ASSY, VALVE	
34	392 963 R1	SPRING, VALVE PISTON	
35	364 885 R1	O-RING, 3/4 X 15/16 X 3/32	
36	392 964 R1	PLUG, PISTON	
37	392 962 R11	PLUG ASSY, CHECK VALVE	
38	570 828 R1	O-RING, 1/2 OD TUBE	
39	382 915 R1	SPRING ASSY, CHECK VALVE	
40	382 916 R1	POPPET, CHECK VALVE	
41	25 173 R1	O-RING, 1-5/8 X 1-13/16 X 3/32 -2- -BETWEEN VALVE HOUSING & SWING CYL	
42	382 995 R1	BODY, CUSHION VALVE -2-	
43	394 312 R91	POPPET ASSY, CUSHION VALVE -2-	

3142A BACKHOE -21- SECTION P

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1
		PRODUCT GRAPHICS	
	547 496 R1	PRODUCT GRAPHIC PKG, INT	
	547 494 R91	PRODUCT GRAPHIC, IH TRADEMARK -2-	
	544 266 R91	PACKAGE, PRODUCT GRAPHIC	
		-CONSISTS OF-	
		$ PRODUCT GRAPHIC, GREASE GUN	
		$ PRODUCT GRAPHIC, BACKHOE CONT	
		$ PRODUCT GRAPHIC, BACKHOE CONT	
		$ PRODUCT GRAPHIC, BACKHOE CONT	
		$ PRODUCT GRAPHIC, BACKHOE CONT	
		$ PRODUCT GRAPHIC, BACKHOE CONT	
		$ PRODUCT GRAPHIC, BACKHOE CONT	
		$ PRODUCT GRAPHIC, BACKHOE CONT	
		$ PRODUCT GRAPHIC, IMPORTANT	
	622 847 C1	PRODUCT GRAPHIC, IMPORTANT	

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

3142A BACKHOE -22- SECTION P

REF. NO.	PART NUMBER	DESCRIPTION	BKH-1

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NUMERICAL INDEX

PART NUMBER	SEC	PG
46 A	D	21
46 A	E	21
76 DS	A	14
76 DS	B	14
76 DS	C	13
B 92 1/2	D	24
B 92 1/2	E	24
B 92 1/2	F	21
B 92 1/2	G	18
B 92 1/2	G	23
B 92 1/2	H	13
B 92 1/2	J	20
B 92 1/2	M	13
Q 1 332	D	24
Q 1 332	E	24
Q 1 332	F	21
Q 1 332	G	18
Q 1 332	G	23
Q 1 332	H	13
Q 1 332	J	20
Q 1 332	M	13
10 026 R	D	69
10 026 R	E	69
N 10 268	A	60
N 10 268	B	56
N 10 268	C	51
N 10 268	D	91
N 10 268	E	89
N 10 268	F	69
P 13 334	A	12
P 13 334	B	12
P 13 334	C	12
15 068 EB	A	15
15 068 EB	B	15
15 068 EB	C	14
15 068 EB	C	15
15 068 EB	D	22
15 068 EB	E	22
15 068 EB	F	19
15 068 EB	G	14
15 068 EB	G	15
15 068 EB	H	10
15 068 EB	J	26
15 068 EB	M	14
15 068 EB	P	12
16 006 R1	A	49
16 006 R1	B	47
16 006 R1	C	43
16 007 R1	A	56
16 007 R1	B	52
16 007 R1	D	86
16 007 R1	E	84
16 008 R1	D	70
16 008 R1	E	70
16 011 R1	A	56
16 011 R1	B	52
16 011 R1	D	86
16 011 R1	E	84
16 013 R1	G	45
16 016 R1	D	76
16 016 R1	E	74
16 016 R1	F	57
16 016 R1	G	47
16 016 R1	J	58
16 016 R1	P	19
17 008 R1	D	80
17 008 R1	E	78
17 008 R1	F	62
17 010 R1	D	80
17 010 R1	E	78
17 010 R1	F	62
17 015 R1	A	49
17 015 R1	B	47
17 015 R1	C	43
17 016 R1	D	76
17 016 R1	E	73
17 016 R1	F	56
17 016 R1	G	47
17 016 R1	J	59
17 016 R1	K	38
17 016 R1	M	27
17 016 R1	P	19
18 460 R1	A	29
18 460 R1	B	27
18 460 R1	C	27
18 460 R1	D	39
18 460 R1	E	39
18 460 R1	F	37
18 460 R1	G	44
18 460 R1	H	22
18 460 R1	J	61
18 460 R1	M	11
18 460 R1	P	21
18 489 R1	N	14
18 584 R1	K	12
19 716 R1	K	12
20 185 R1	A	11
20 185 R1	B	11
20 185 R1	C	11
20 251 R1	A	22
20 251 R1	A	24
20 251 R1	B	22
20 251 R1	C	22
20 251 R1	D	11
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20 251 R1	F	11
20 251 R1	H	8
20 251 R1	M	26
20 769 R1	E	11
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20 769 R1	H	8
20 769 R1	J	14
21 021 R1	J	4
21 295 R1	K	40
21 305 R1	J	5
21 364 R1	J	17
21 364 R1	K	14
21 364 R1	K	16
21 433 R1	G	47
21 433 R1	J	59
21 433 R1	K	38
21 433 R1	P	19
21 656 R1	J	3
21 656 R1	J	6
22 279 R1	K	39
22 288 R1	L	18
22 288 R1	L	20
22 288 R1	N	19
22 288 R1	N	21
22 289 R1	K	40
22 409 R1	L	18
22 409 R1	N	19
22 510 R1	J	58
23 090 R1	D	73
23 090 R1	D	74
23 090 R1	E	71
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23 090 R1	F	56
23 090 R1	G	50
23 090 R1	H	24
23 090 R1	J	57
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23 090 R1	M	30
23 434 R1	K	40
24 094 R1	K	27
24 472 R1	J	28
24 472 R1	J	29
24 472 R1	K	20
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24 541 D	A	11
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25 049 R1	D	11
25 049 R1	G	11
25 049 R1	J	14
25 049 R1	K	10
25 049 R1	K	11
25 049 R1	M	26
25 049 R1	P	9
25 126 R1	D	11
25 126 R1	G	11
25 126 R1	J	14
25 126 R1	K	10
25 126 R1	M	26
25 126 R1	P	9
25 173 R1	G	44
25 173 R1	H	22
25 173 R1	J	61
25 173 R1	K	40
25 173 R1	M	11
25 173 R1	P	21
25 205 R1	G	11
27 137 R1	G	11
39 128 H	A	41
39 128 H	A	44
39 128 H	A	45
39 128 H	A	48
39 128 H	B	40
39 128 H	B	42
39 128 H	B	43
39 128 H	B	46
39 128 H	C	35
39 128 H	C	38
39 128 H	C	39
39 128 H	C	42
39 128 H	D	51
39 128 H	D	52
39 128 H	D	53
39 128 H	D	55
39 128 H	E	51
39 128 H	E	52
39 128 H	E	53
39 128 H	E	55
39 128 H	F	43
39 128 H	F	44
39 128 H	F	45
39 128 H	F	47
42 486 H	D	89
42 486 H	E	87
42 486 H	F	68
42 486 H	G	52
42 486 H	G	54
42 486 H	H	26
42 486 H	J	64
42 486 H	J	65
51 971 D	D	16
51 971 D	E	16
51 971 D	F	15
53 717 DA	A	35
53 717 DA	B	33
53 717 DA	C	31
53 717 DA	D	38
53 717 DA	D	66
53 717 DA	D	68
53 717 DA	E	38
53 717 DA	E	66
53 717 DA	E	68
53 717 DA	F	36
55 173 C1	J	19
55 173 C1	K	16
55 174 C1	J	18
55 174 C1	K	15
55 380 C1	L	3
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55 381 C1	N	3
56 051 C91	G	51
56 051 C91	M	31
56 052 C91	G	51
56 052 C91	M	31
56 059 C91	L	16
56 059 C93	N	17
56 080 C1	L	3
56 080 C1	N	3
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56 081 C1	N	3
56 082 C1	L	3
56 082 C1	N	3
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56 084 C1	N	3
56 085 C1	L	3
56 085 C1	N	3
56 086 C1	L	3
56 086 C1	N	3
56 089 C1	L	15
56 091 C1	L	15
56 091 C1	N	14
56 092 C1	L	15
56 093 C1	L	4
56 093 C1	N	4
56 094 C1	L	4
56 094 C1	N	4
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56 097 C1	N	4
56 098 C1	L	4
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56 099 C1	N	4
56 100 C1	L	5
56 100 C1	N	5
56 101 C1	L	5
56 101 C1	N	5
56 102 C1	L	5
56 102 C1	N	5
56 103 C1	L	5
56 103 C1	N	5
56 104 C1	L	5
56 104 C1	N	5
56 105 C1	L	13
56 105 C1	N	13
56 106 C1	L	13
56 106 C1	N	13
56 107 C1	L	13
56 107 C1	N	13
56 108 C1	L	14
56 108 C1	N	14
56 109 C1	L	14
56 109 C1	N	14
56 110 C1	L	14
56 110 C1	N	14
56 111 C1	L	14
56 111 C1	N	14
56 112 C1	L	14
56 112 C1	N	14
56 113 C1	L	6
56 113 C1	N	6
56 114 C1	L	6
56 114 C1	N	6
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56 115 C1	N	6
56 116 C1	L	6
56 116 C1	N	6
56 117 C1	L	6
56 117 C1	N	6
56 118 C1	L	6
56 118 C1	N	6
56 119 C1	L	6
56 119 C1	N	6
56 120 C1	L	6
56 120 C1	N	6
56 121 C1	L	7
56 121 C1	N	7
56 122 C1	L	11
56 122 C1	N	11
56 123 C1	L	11
56 123 C1	N	11
56 124 C1	L	11
56 124 C1	N	11
56 125 C1	L	11
56 125 C1	N	11
56 126 C1	L	11
56 126 C1	N	11
56 127 C1	L	11
56 127 C1	N	11
56 128 C1	L	11
56 128 C1	N	11
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56 129 C1	N	11
56 130 C1	L	11
56 130 C1	N	11
56 131 C1	L	11
56 131 C1	N	11
56 132 C1	L	8
56 132 C1	N	8

-1- BKH-1

NUMERICAL INDEX

PART NUMBER	SEC	PG
56 133 C1	L	8
56 133 C1	N	8
56 134 C1	L	8
56 134 C1	N	8
56 135 C1	L	8
56 135 C1	N	8
56 136 C1	L	8
56 136 C1	N	8
56 137 C1	L	8
56 137 C1	N	8
56 138 C1	L	8
56 138 C1	N	8
56 139 C1	L	6
56 139 C1	N	6
56 144 C1	L	12
56 145 C1	L	12
56 147 C1	L	12
56 148 C1	L	12
56 148 C1	N	12
56 230 C1	J	46
56 236 C1	J	46
56 237 C1	L	15
56 237 C1	N	14
56 239 C1	L	15
56 239 C1	N	14
56 240 C1	L	15
56 240 C1	N	14
56 241 C2	K	16
56 242 C1	L	12
56 242 C1	N	12
56 243 C1	L	12
56 243 C1	N	12
56 246 C91	L	14
56 246 C91	L	17
56 246 C91	N	14
56 246 C91	N	18
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56 247 C91	L	18
56 247 C92	N	5
56 247 C92	N	9
56 247 C92	N	19
56 248 C91	L	5
56 248 C91	L	9
56 248 C91	L	18
56 248 C92	N	5
56 248 C92	N	9
56 248 C92	N	19
56 249 C91	L	9
56 249 C91	L	20
56 249 C92	N	9
56 249 C92	N	21
56 287 C1	K	24
56 402 C2	J	19
56 556 C1	K	39
56 646 C2	J	17
56 647 C1	J	17
56 807 C1	G	41
56 807 C1	M	18
56 808 C1	G	42
56 808 C1	M	19
56 809 C2	G	42
56 809 C2	M	19
56 814 C2	G	42
56 814 C2	M	19
56 815 C2	G	42
56 815 C2	M	19
56 816 C2	G	42
56 816 C2	M	19
56 817 C1	G	42
56 817 C1	M	19
56 818 C91	G	42
56 818 C91	M	19
56 818 C91	M	32
56 819 C1	G	42
56 819 C1	M	19
56 820 C1	G	42
56 820 C1	M	19
56 821 C1	G	56
56 821 C1	M	20
56 822 C1	G	56
56 822 C1	M	20
56 823 C1	G	56
56 823 C1	M	20
56 824 C1	G	56
56 824 C1	M	20
56 825 C1	G	57
56 825 C1	M	21
56 826 C1	G	57
56 826 C1	M	21
56 827 C1	G	9
56 827 C1	M	7
56 829 C1	M	32
56 830 C1	M	32
56 831 C1	M	32
56 832 C1	M	32
56 833 C1	M	32
56 834 C1	M	32
56 881 C1	K	18
56 891 C1	K	30
57 081 C1	J	42
57 202 C1	G	34
57 202 C1	M	16
57 206 C1	K	30
57 344 C1	M	9
57 345 C1	M	9
57 346 C1	M	9
57 347 C1	M	9
57 348 C1	M	9
57 349 C91	M	9
57 350 C1	M	9
57 351 C1	M	9
57 352 C1	M	9
57 353 C1	M	9
57 615 C1	L	3
57 615 C1	N	3
57 616 C1	L	3
57 616 C1	N	3
57 619 C1	L	15
57 619 C1	N	14
57 620 C1	L	16
57 621 C1	L	15
57 622 C1	L	15
57 623 C1	L	16
57 626 C1	L	14
57 626 C1	N	14
57 690 C1	M	32
57 692 C1	M	32
57 698 C1	K	31
57 718 C1	M	32
57 807 C2	K	18
57 900 C91	L	21
57 900 C91	N	22
57 901 C91	L	21
57 901 C91	N	22
57 902 C91	L	17
57 902 C91	N	18
57 903 C91	L	17
57 903 C91	N	18
57 904 C91	L	21
57 904 C91	N	22
57 948 C91	L	19
57 948 C91	N	20
57 959 C1	L	18
57 959 C1	N	19
58 040 C1	L	18
58 040 C1	N	19
58 041 C1	L	18
58 041 C1	N	19
58 042 C1	L	18
58 042 C1	N	19
58 043 C1	L	18
58 043 C1	N	19
58 044 C1	L	18
58 044 C1	N	19
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58 051 C1	N	23
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58 059 C1	N	22
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58 064 C1	N	22
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58 065 C1	L	21
58 065 C1	L	22
58 065 C1	N	22
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58 069 C1	N	19
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58 088 C91	L	22
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58 089 C91	N	23
58 090 C1	L	17
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58 091 C1	N	18
58 092 C91	L	17
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58 094 C1	N	21
58 116 C1	L	22
58 116 C1	N	23
58 117 C1	L	18
58 117 C1	N	19
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58 119 C1	N	19
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58 127 C1	N	21
58 128 C1	L	22
58 128 C1	N	23
58 130 C1	L	21
58 130 C1	N	22
58 131 C1	L	21
58 131 C1	N	22
58 132 C1	L	21
58 132 C1	N	22
58 451 C1	J	17
58 538 C1	L	21
58 538 C1	N	22
58 542 C1	G	57
58 542 C1	M	21
58 658 C1	G	42
58 658 C1	M	19
58 685 C1	G	58
58 685 C1	M	33
58 686 C1	J	19
58 686 C1	K	16
58 687 C1	J	19
58 687 C1	K	16
59 046 C1	J	47
59 047 C1	G	38
59 047 C1	J	47
59 048 C1	G	38
59 048 C1	J	47
59 049 C1	J	47
59 060 C1	G	47
59 060 C1	J	59
59 060 C1	K	38
59 060 C1	P	19
59 061 C1	G	47
59 061 C1	J	59
59 061 C1	K	38
59 061 C1	P	19
59 267 C1	K	3
59 311 C1	L	21
59 311 C1	N	22
59 510 C91	K	6
59 510 C91	K	9
59 511 C91	K	10
59 518 C1	J	67
59 518 C1	K	43
59 519 C1	J	68
59 519 C1	K	44
59 572 C1	J	67
59 572 C1	J	68
59 572 C1	K	43
59 572 C1	K	44
59 573 C1	J	67
59 573 C1	J	68
59 573 C1	K	43
59 573 C1	K	44
59 574 C1	J	67
59 574 C1	K	43
59 575 C1	J	68
59 575 C1	K	44
59 578 C1	J	67
59 578 C1	J	68
59 578 C1	K	43
59 578 C1	K	44
59 579 C1	J	68
59 579 C1	K	44
59 580 C1	J	67
59 580 C1	J	68
59 580 C1	K	43
59 580 C1	K	44
59 581 C1	J	67
59 581 C1	J	68
59 581 C1	K	43
59 581 C1	K	44
59 582 C1	J	67
59 582 C1	J	68
59 582 C1	K	43
59 582 C1	K	44
59 583 C1	J	67
59 583 C1	K	43
59 584 C1	J	67
59 584 C1	J	68
59 584 C1	K	43
59 584 C1	K	44
59 585 C1	J	68
59 585 C1	K	44
59 586 C1	J	67
59 586 C1	K	43
59 590 C1	J	68
59 590 C1	K	44
59 591 C1	J	67
59 591 C1	J	68
59 591 C1	K	43
59 591 C1	K	44
59 592 C1	J	68
59 592 C1	K	44
59 707 C1	K	26
59 709 C1	K	6
59 710 C1	K	6
59 711 C1	K	18
59 712 C1	K	24
59 713 C1	K	24
59 714 C1	K	25
59 715 C1	K	25
59 716 C1	K	26
59 718 C1	K	7
59 719 C1	K	7
59 720 C1	K	7
59 721 C1	K	7
59 723 C1	K	30
59 724 C1	K	30
59 725 C1	K	30

NUMERICAL INDEX

PART NUMBER	SEC	PG
59 726 C1	K	30
59 727 C1	K	30
59 728 C1	K	30
59 729 C1	K	30
59 941 C1	J	12
59 943 C1	J	12
60 322 C1	N	16
60 323 C1	N	16
60 327 C1	N	14
60 328 C1	N	14
60 331 C1	N	14
60 333 C1	L	3
60 333 C1	N	3
60 357 C1	J	39
60 358 C91	J	58
60 358 C91	K	37
60 511 C1	J	23
60 761 C1	N	15
60 762 C1	N	15
60 763 C1	N	15
60 764 C1	N	15
60 765 C1	N	15
60 766 C1	N	15
61 085 C1	M	34
61 086 C1	M	34
61 088 C1	M	34
61 089 C1	M	34
61 090 C1	M	34
61 091 C1	M	35
61 092 C1	M	35
61 094 C1	M	35
61 100 C91	G	11
61 102 C1	G	11
61 134 C1	J	42
61 145 C1	P	6
61 146 C91	J	35
61 146 C91	J	37
61 529 C1	K	7
61 529 C1	P	5
61 530 C1	K	7
61 530 C1	P	5
61 532 C1	K	7
61 532 C1	P	6
61 626 C91	K	4
61 707 C2	K	6
61 708 C2	K	30
61 709 C1	K	6
61 737 C1	J	53
61 737 C1	K	35
61 737 C1	K	36
61 739 C1	P	13
61 778 C1	P	16
65 054 C1	J	58
65 054 C1	K	37
66 194 U	M	35
66 919 C1	K	34
66 919 C11	J	54
67 055 C1	G	45
67 056 C1	J	53
67 056 C1	J	54
67 056 C1	K	34
67 056 C1	K	35
67 056 C1	K	36
67 057 C1	J	53
67 057 C1	J	54
67 057 C1	K	34
67 057 C1	K	35
67 057 C1	K	36
67 120 C1	J	54
67 182 C1	G	45
67 538 C91	G	55
67 539 C91	J	63
67 539 C92	K	42
69 339 R1	G	13
69 339 R1	J	11
69 339 R1	K	32
102 899	J	67
102 899	J	68
103 017 C1	J	3
103 017 C1	K	8
103 029 C1	J	35
103 029 C1	J	37
103 056 C1	K	7
103 056 C1	P	5
103 059 C1	J	42
103 059 C1	K	28
103 060 C1	J	43
103 060 C1	K	28
103 061 C1	J	42
103 061 C1	K	28
103 319 C91	P	3
103 326 C1	P	11
103 328 C1	P	15
103 329 C1	P	15
103 347 C1	P	7
103 349 C1	P	7
103 450 C1	P	11
103 525 C1	N	16
103 559 C1	K	17
103 562 C1	N	16
103 605 C1	N	16
103 606 C1	N	16
103 659 C1	J	9
103 659 C1	K	6
103 659 C1	P	6
103 665 C1	P	16
104 977 R1	A	13
104 977 R1	B	13
104 977 R1	C	13
104 977 R1	D	22
104 977 R1	E	22
104 977 R1	F	19
104 977 R1	G	15
104 977 R1	J	26
104 977 R1	M	14
104 977 R1	P	12
106 653	K	42
106 751	D	24
106 751	D	26
106 751	E	24
106 751	E	26
106 751	F	21
106 751	G	19
106 751	G	23
106 751	H	14
106 751	M	13
109 454	D	68
109 454	E	68
109 461	A	7
109 461	A	24
109 461	B	7
109 461	B	22
109 461	C	7
109 461	C	22
109 461	D	7
109 461	D	11
109 461	E	7
109 461	E	10
109 461	F	7
109 461	F	11
109 461	G	7
109 461	G	11
109 461	H	4
109 461	H	7
109 461	J	14
109 461	J	60
109 461	K	6
109 461	K	9
109 461	K	31
109 461	K	40
109 461	L	14
109 461	L	19
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109 461	M	5
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109 461	P	9
109 462	A	7
109 462	A	21
109 462	B	7
109 462	C	7
109 462	D	7
109 462	E	8
109 462	F	7
109 462	G	7
109 462	H	4
109 462	J	7
109 462	L	20
109 462	M	5
109 462	M	9
109 462	N	21
109 462	P	4
110 146 R91	G	43
110 146 R91	H	21
110 146 R91	P	20
110 547 C1	J	53
110 547 C1	J	54
110 547 C1	J	57
110 547 C1	K	34
110 547 C1	K	35
110 547 C1	K	36
110 547 C1	K	37
110 660 C1	N	20
117 142	A	59
117 142	B	55
117 142	C	49
117 142	D	88
117 142	E	86
117 142	F	68
117 142	G	54
117 142	H	26
117 142	J	64
117 957	G	57
117 957	M	21
118 489 R1	L	14
120 062	A	39
120 062	B	37
120 381	A	57
120 381	B	53
120 381	C	47
120 381	D	73
120 381	D	74
120 381	E	72
120 381	E	73
120 381	F	56
120 381	G	50
120 381	M	30
120 879	J	63
120 879	K	42
124 549	J	21
126 152	A	24
126 152	B	22
126 152	C	22
126 152	D	11
126 152	E	10
126 152	F	11
126 152	G	11
126 152	H	7
126 152	J	14
126 152	M	26
126 152	P	9
127 823	D	97
127 823	G	41
127 823	M	18
127 824	D	97
127 961	G	42
127 961	M	19
128 157	A	59
128 157	B	55
128 157	C	49
128 157	F	18
129 028 H1	K	30
131 017	K	30
131 099	A	57
131 099	B	53
131 099	C	47
131 099	D	73
131 099	D	74
131 099	E	72
131 099	E	73
131 099	F	56
131 099	G	50
131 099	H	24
131 099	J	57
131 099	M	30
134 252	A	59
134 252	B	55
134 252	C	49
138 489	A	58
138 489	B	54
138 489	C	48
138 489	D	72
138 489	D	73
138 489	E	71
138 489	E	72
138 489	F	55
138 561	D	31
138 561	E	31
138 561	F	29
138 561	G	30
138 561	G	32
138 561	G	34
138 561	H	17
138 561	J	39
138 561	M	16
138 566	J	8
138 566	P	5
140 537	A	15
140 537	B	15
140 537	C	14
140 537	D	93
140 537	E	91
140 537	F	70
140 807	A	15
140 807	B	15
140 807	C	14
144 014	A	38
144 014	B	36
144 014	C	32
144 055	D	97
144 055	G	41
144 055	M	18
148 382	D	95
148 382	E	93
148 382	F	72
148 382	J	17
148 382	J	19
148 382	K	14
148 382	K	15
148 382	K	30
149 372 R1	D	75
149 372 R1	G	51
149 372 R1	M	31
157 925 H1	D	76
157 925 H1	E	74
157 925 H1	F	57
157 925 H1	G	47
157 925 H1	J	58
157 925 H1	P	19
162 133 H1	M	35
162 134 H1	M	35
167 081 H1	L	14
179 149	F	42
180 085	K	37
180 124	K	43
180 124	K	44
185 062 R1	A	26
185 062 R1	B	24
185 062 R1	C	24
185 062 R1	K	14
185 062 R1	K	16
185 062 R1	K	30
187 408	D	97
187 408	G	41
187 408	M	18
187 540	G	57
187 540	M	21
189 885	A	38
189 885	B	36
189 885	C	32
192 054	K	26
192 075	D	93
192 075	E	91
192 075	F	70
202 013 C1	G	53
202 013 C1	J	66
202 013 C1	K	42
219 696	G	41
219 696	M	18
219 801	D	97
226 032 R1	D	69
226 032 R1	E	69
228 275 R1	A	51

-3- BKH-1

NUMERICAL INDEX

NUMERICAL INDEX

-4- BKH-1

NUMERICAL INDEX

PART NUMBER	SEC	PG
228 275 R1	A	52
228 275 R1	B	48
228 275 R1	C	44
228 275 R1	D	80
228 275 R1	D	82
228 275 R1	E	78
228 275 R1	E	80
228 275 R1	F	62
228 275 R1	F	64
237 614 R1	A	9
237 614 R1	B	9
237 614 R1	C	9
237 614 R1	D	12
237 614 R1	E	12
237 614 R1	F	12
252 483 R1	A	21
252 483 R1	A	24
252 483 R1	B	22
252 483 R1	C	22
252 483 R1	D	10
252 483 R1	E	10
252 483 R1	F	10
252 483 R1	G	11
252 483 R1	H	7
252 483 R1	J	13
252 483 R1	M	25
252 483 R1	P	8
252 707 R1	A	37
252 707 R1	B	35
252 707 R1	D	32
252 707 R1	E	32
252 707 R1	J	53
252 707 R1	K	34
252 707 R1	K	35
252 707 R1	K	36
252 707 R1	L	12
252 707 R1	L	17
252 707 R1	L	21
252 707 R1	L	22
252 707 R1	N	18
252 707 R1	N	22
252 707 R1	N	23
252 734 R1	K	39
252 736 R1	A	21
252 736 R1	B	22
252 736 R1	C	22
252 739 R1	A	37
252 739 R1	B	35
252 739 R1	D	32
252 739 R1	E	32
253 070 R1	A	52
253 070 R1	B	48
253 070 R1	C	44
254 091 R1	L	18
254 091 R1	N	19
257 642 R1	K	40
271 283	F	11
271 283	H	7
272 688	N	21
272 688 C1	N	20
272 706	A	22
273 355	A	7
273 355	A	21
273 355	B	7
273 355	C	7
273 360	A	21
274 086 R91	A	39
274 086 R91	B	37
274 087 R91	A	32
274 087 R91	B	30
274 087 R91	D	45
274 087 R91	E	45
279 024 R91	A	33
279 024 R91	B	31
279 024 R91	D	45
279 024 R91	E	45
279 024 R91	G	37
279 024 R91	G	38
279 024 R91	H	19
279 024 R91	J	44
279 027 R91	D	97
279 027 R91	G	41
279 027 R91	G	42
279 027 R91	M	18
279 027 R91	M	19
283 401 R1	D	53
283 401 R1	E	53
283 401 R1	F	45
285 253 R1	A	28
285 253 R1	B	27
285 253 R1	C	26
285 253 R1	D	39
285 253 R1	E	39
285 253 R1	F	37
285 253 R1	G	44
285 253 R1	H	22
285 253 R1	J	61
285 253 R1	M	11
285 253 R1	P	21
293 726 R1	L	20
293 726 R1	N	21
293 739 R1	A	21
293 739 R1	C	22
293 739 R1	D	10
293 739 R1	E	10
293 739 R1	F	10
293 739 R1	G	11
293 739 R1	H	7
293 739 R1	J	13
293 739 R1	M	25
294 885 R92	A	29
294 885 R92	B	27
294 885 R92	C	27
294 885 R92	F	37
295 204 R1	D	42
295 204 R1	E	42
296 247 R1	A	20
296 247 R1	A	28
296 247 R1	A	31
296 247 R1	A	36
296 247 R1	A	37
296 247 R1	A	38
296 247 R1	A	41
296 247 R1	A	44
296 247 R1	A	45
296 247 R1	A	48
296 247 R1	A	51
296 247 R1	B	20
296 247 R1	B	26
296 247 R1	B	29
296 247 R1	B	34
296 247 R1	B	35
296 247 R1	B	36
296 247 R1	B	39
296 247 R1	B	42
296 247 R1	B	43
296 247 R1	B	46
296 247 R1	B	56
296 247 R1	C	20
296 247 R1	C	26
296 247 R1	C	29
296 247 R1	C	32
296 247 R1	C	33
296 247 R1	C	34
296 247 R1	C	35
296 247 R1	C	38
296 247 R1	C	39
296 247 R1	C	42
296 247 R1	C	50
296 247 R1	D	27
296 247 R1	D	35
296 247 R1	D	36
296 247 R1	D	37
296 247 R1	D	39
296 247 R1	D	48
296 247 R1	D	50
296 247 R1	D	51
296 247 R1	D	52
296 247 R1	D	53
296 247 R1	D	55
296 247 R1	D	57
296 247 R1	D	59
296 247 R1	D	62
296 247 R1	D	63
296 247 R1	D	65
296 247 R1	D	67
296 247 R1	D	92
296 247 R1	D	97
296 247 R1	E	27
296 247 R1	E	35
296 247 R1	E	36
296 247 R1	E	37
296 247 R1	E	39
296 247 R1	E	48
296 247 R1	E	50
296 247 R1	E	51
296 247 R1	E	52
296 247 R1	E	53
296 247 R1	E	55
296 247 R1	E	57
296 247 R1	E	59
296 247 R1	E	62
296 247 R1	E	63
296 247 R1	E	65
296 247 R1	E	67
296 247 R1	E	90
296 247 R1	F	24
296 247 R1	F	32
296 247 R1	F	33
296 247 R1	F	34
296 247 R1	F	35
296 247 R1	F	37
296 247 R1	F	40
296 247 R1	F	42
296 247 R1	F	43
296 247 R1	F	44
296 247 R1	F	45
296 247 R1	F	47
296 247 R1	F	49
296 247 R1	F	51
296 247 R1	F	54
296 247 R1	F	70
296 247 R1	G	30
296 247 R1	G	36
296 247 R1	G	37
296 247 R1	G	38
296 247 R1	G	39
296 247 R1	G	40
296 247 R1	G	41
296 247 R1	G	42
296 247 R1	G	44
296 247 R1	H	17
296 247 R1	H	19
296 247 R1	H	20
296 247 R1	H	22
296 247 R1	J	35
296 247 R1	J	39
296 247 R1	J	44
296 247 R1	J	45
296 247 R1	J	48
296 247 R1	J	49
296 247 R1	J	61
296 247 R1	K	24
296 247 R1	K	30
296 247 R1	K	40
296 247 R1	M	11
296 247 R1	M	18
296 247 R1	M	19
296 247 R1	P	16
296 247 R1	P	21
297 459 R1	A	20
297 459 R1	A	31
297 459 R1	A	33
297 459 R1	A	35
297 459 R1	A	36
297 459 R1	A	37
297 459 R1	A	38
297 459 R1	A	39
297 459 R1	A	42
297 459 R1	A	44
297 459 R1	A	51
297 459 R1	B	20
297 459 R1	B	29
297 459 R1	B	31
297 459 R1	B	33
297 459 R1	B	34
297 459 R1	B	35
297 459 R1	B	36
297 459 R1	B	37
297 459 R1	B	40
297 459 R1	B	42
297 459 R1	B	56
297 459 R1	C	20
297 459 R1	C	29
297 459 R1	C	31
297 459 R1	C	32
297 459 R1	C	33
297 459 R1	C	34
297 459 R1	C	36
297 459 R1	C	38
297 459 R1	C	50
297 459 R1	D	27
297 459 R1	D	28
297 459 R1	D	29
297 459 R1	D	35
297 459 R1	D	36
297 459 R1	D	45
297 459 R1	D	48
297 459 R1	D	50
297 459 R1	D	52
297 459 R1	D	54
297 459 R1	D	66
297 459 R1	D	68
297 459 R1	D	92
297 459 R1	D	98
297 459 R1	E	27
297 459 R1	E	28
297 459 R1	E	29
297 459 R1	E	35
297 459 R1	E	36
297 459 R1	E	45
297 459 R1	E	48
297 459 R1	E	50
297 459 R1	E	52
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297 459 R1	E	66
297 459 R1	E	68
297 459 R1	E	90
297 459 R1	F	24
297 459 R1	F	25
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297 459 R1	F	27
297 459 R1	F	32
297 459 R1	F	33
297 459 R1	F	35
297 459 R1	F	40
297 459 R1	F	42
297 459 R1	F	44
297 459 R1	F	46
297 459 R1	F	70
297 459 R1	G	24
297 459 R1	G	26
297 459 R1	G	27
297 459 R1	G	36
297 459 R1	G	37
297 459 R1	G	38
297 459 R1	G	39
297 459 R1	G	42
297 459 R1	H	19
297 459 R1	H	20
297 459 R1	H	23
297 459 R1	J	30
297 459 R1	J	31
297 459 R1	J	32
297 459 R1	J	44
297 459 R1	J	45
297 459 R1	J	48
297 459 R1	M	19
297 459 R1	M	22
297 459 R1	P	13
297 459 R1	P	16
298 385 R1	A	49
298 385 R1	B	47
298 385 R1	C	43
298 385 R1	D	83
298 385 R1	E	81
298 385 R1	F	65
298 385 R1	G	44
298 385 R1	H	25
298 385 R1	J	56
298 385 R1	M	24
299 496 R1	A	29
299 496 R1	B	27
299 496 R1	C	27
299 496 R1	D	39
299 496 R1	E	39

NUMERICAL INDEX

PART NUMBER	SEC	PG
299 496 R1	F	37
301 016 R1	D	97
301 016 R1	G	41
301 016 R1	M	18
306 354 R2	H	22
307 871 R91	A	40
307 871 R91	B	38
307 915 R1	D	97
307 915 R1	G	41
307 915 R1	M	18
307 920 R1	D	24
307 920 R1	D	26
307 920 R1	E	24
307 920 R1	E	26
307 920 R1	F	21
307 920 R1	F	23
307 920 R1	G	18
307 920 R1	G	21
307 920 R1	G	23
307 920 R1	H	13
307 920 R1	J	17
307 920 R1	J	20
307 920 R1	J	25
307 920 R1	K	14
307 920 R1	K	16
307 920 R1	M	13
307 920 R1	P	11
311 164 C91	J	42
311 164 C91	K	28
315 716 R1	D	91
315 716 R1	E	89
317 009 C91	M	34
319 863 R91	A	39
319 863 R91	B	37
327 085 R1	K	11
327 219 R91	A	21
327 219 R91	A	24
327 219 R91	B	22
327 219 R91	C	22
329 714 C1	M	35
329 715 C1	M	35
330 679 R1	M	34
333 710 R91	L	9
333 710 R91	N	9
338 065 R1	G	57
338 065 R1	M	21
338 345 R91	A	33
338 345 R91	A	39
338 345 R91	B	31
338 345 R91	B	37
338 345 R91	D	38
338 345 R91	D	45
338 345 R91	D	53
338 345 R91	D	55
338 345 R91	D	66
338 345 R91	D	68
338 345 R91	E	38
338 345 R91	E	45
338 345 R91	E	53
338 345 R91	E	55
338 345 R91	E	66
338 345 R91	E	68
338 345 R91	F	36
338 345 R91	F	45
338 345 R91	F	47
338 835 R1	A	40
338 835 R1	B	38
338 835 R1	C	34
338 835 R1	D	72
338 835 R1	E	71
338 835 R1	F	55
343 900 R1	D	75
343 905 R1	D	37
343 905 R1	E	37
343 905 R1	F	34
343 905 R1	J	49
343 906 R1	G	36
343 906 R1	G	38
343 906 R1	H	19
343 906 R1	J	44
343 909 R1	L	18
343 909 R1	L	20
343 909 R1	N	19
343 909 R1	N	21
347 801 R1	A	24
347 801 R1	D	10
347 801 R1	E	10
347 801 R1	F	10
347 801 R1	G	10
347 801 R1	H	7
347 801 R1	J	13
347 801 R1	K	11
347 801 R1	M	25
347 801 R1	P	8
347 914 R1	F	10
347 914 R1	J	13
347 914 R1	K	9
347 914 R1	P	8
350 084 R2	A	49
350 084 R2	B	47
350 084 R2	C	43
350 429 R1	L	21
350 429 R1	L	22
350 429 R1	N	22
350 429 R1	N	23
350 667 R1	A	35
350 667 R1	B	33
350 667 R1	C	31
350 667 R1	D	76
350 667 R1	E	73
350 667 R1	F	56
350 667 R1	K	12
350 667 R1	M	27
350 708 R1	D	46
350 708 R1	E	46
350 709 R1	D	46
350 709 R1	E	46
350 818 R1	A	50
350 920 R1	D	89
350 920 R1	E	87
350 920 R1	F	68
350 920 R1	G	52
350 920 R1	G	54
350 920 R1	G	58
350 920 R1	H	26
350 920 R1	J	62
350 920 R1	J	63
350 920 R1	J	64
350 920 R1	J	65
350 920 R1	K	41
350 920 R1	M	33
352 024 R2	A	49
352 024 R2	B	47
352 024 R2	C	43
352 026 R2	A	49
352 026 R2	B	47
352 026 R2	C	43
352 216 R1	A	21
352 216 R1	A	24
352 216 R1	B	22
352 216 R1	C	22
352 216 R1	D	10
352 216 R1	E	10
352 216 R1	F	10
352 216 R1	G	10
352 216 R1	H	7
352 216 R1	J	13
352 216 R1	K	9
352 216 R1	M	25
352 216 R1	P	8
352 219 R1	L	21
352 219 R1	N	22
352 221 R1	A	35
352 221 R1	A	37
352 221 R1	A	38
352 221 R1	A	41
352 221 R1	A	43
352 221 R1	A	45
352 221 R1	A	47
352 221 R1	B	33
352 221 R1	B	35
352 221 R1	B	36
352 221 R1	B	39
352 221 R1	B	41
352 221 R1	B	43
352 221 R1	B	45
352 221 R1	C	31
352 221 R1	C	32
352 221 R1	C	35
352 221 R1	C	37
352 221 R1	C	39
352 221 R1	C	41
352 221 R1	D	32
352 221 R1	D	34
352 221 R1	D	53
352 221 R1	D	55
352 221 R1	D	67
352 221 R1	D	73
352 221 R1	D	75
352 221 R1	E	32
352 221 R1	E	34
352 221 R1	E	53
352 221 R1	E	55
352 221 R1	E	67
352 221 R1	E	72
352 221 R1	F	31
352 221 R1	F	45
352 221 R1	F	47
352 221 R1	F	55
352 221 R1	F	56
352 221 R1	G	50
352 221 R1	K	19
352 221 R1	K	21
352 221 R1	L	19
352 221 R1	M	30
352 221 R1	M	35
352 221 R1	N	20
354 854 R2	A	49
354 854 R2	B	47
354 854 R2	C	43
355 965 R1	A	35
355 965 R1	B	33
355 965 R1	C	31
355 965 R1	D	34
355 965 R1	D	38
355 965 R1	E	34
355 965 R1	E	38
355 965 R1	F	31
355 965 R1	F	36
355 966 R1	A	37
355 966 R1	B	35
355 966 R1	D	32
355 966 R1	D	76
355 966 R1	E	32
355 966 R1	E	74
355 966 R1	F	57
355 966 R1	G	47
355 966 R1	J	58
355 966 R1	P	19
355 967 R1	A	37
355 967 R1	B	35
355 967 R1	D	32
355 967 R1	E	32
356 005 R1	A	35
356 005 R1	B	33
356 005 R1	C	31
356 005 R1	D	34
356 005 R1	D	38
356 005 R1	E	34
356 005 R1	E	38
356 005 R1	F	31
356 005 R1	F	36
356 005 R1	K	12
357 574 C1	D	98
357 574 C1	G	42
357 574 C1	M	19
357 575 C1	D	98
357 575 C1	G	42
357 575 C1	M	19
359 109 R2	D	22
359 109 R2	E	22
359 109 R2	F	19
359 109 R2	G	14
359 109 R2	G	15
359 109 R2	J	26
359 109 R2	J	27
359 109 R2	M	14
359 109 R2	P	12
359 158 R1	A	49
359 158 R1	B	47
359 158 R1	C	43
360 626 R2	A	49
360 626 R2	B	47
360 626 R2	C	43
360 627 R2	A	49
360 627 R2	B	47
360 627 R2	C	43
360 629 R21	A	49
360 629 R21	B	47
360 629 R21	C	43
360 630 R1	A	49
360 630 R1	B	47
360 630 R1	C	43
360 917 R1	J	67
360 917 R1	J	68
360 917 R1	K	43
360 917 R1	K	44
361 023 R1	A	49
361 023 R1	B	47
361 023 R1	C	43
361 629 R1	A	56
361 629 R1	B	52
361 629 R1	D	86
361 629 R1	E	84
362 120 R1	D	89
362 120 R1	E	87
362 120 R1	J	62
362 120 R1	K	41
362 121 R1	K	41
362 126 R1	D	89
362 126 R1	E	87
362 336 R1	A	56
362 336 R1	B	52
362 336 R1	D	86
362 336 R1	E	84
362 667 R1	A	59
362 667 R1	B	55
362 667 R1	C	49
362 707 R2	D	76
362 707 R2	E	73
362 707 R2	F	56
362 707 R2	M	27
362 707 R3	G	47
362 707 R3	J	59
362 707 R3	K	38
362 707 R3	P	19
362 796 R1	A	52
362 796 R1	B	48
362 796 R1	C	44
362 796 R1	D	42
362 796 R1	D	80
362 796 R1	D	82
362 796 R1	E	42
362 796 R1	E	78
362 796 R1	E	80
362 796 R1	F	62
362 796 R1	F	64
362 796 R1	G	28
362 796 R1	H	15
362 796 R1	J	28
362 796 R1	J	29
362 796 R1	J	55
362 796 R1	J	57
362 796 R1	K	19
362 796 R1	K	21
362 796 R1	K	37
362 796 R1	M	23
362 796 R1	P	18
362 818 R91	A	59
362 818 R91	B	55
362 818 R91	C	49
362 818 R91	D	88
362 818 R91	E	86
362 818 R91	F	68
362 818 R91	G	52
362 818 R91	G	54
362 818 R91	G	58
362 818 R91	H	26
362 818 R91	J	64
362 818 R91	J	65
362 818 R91	M	33
363 660 R1	G	57
363 660 R1	M	21
364 838 R1	A	49
364 838 R1	B	47
364 838 R1	C	43

-5- BKH-1

NUMERICAL INDEX

NUMERICAL INDEX

PART NUMBER	SEC	PG
364 839 R1	A	20
364 839 R1	A	27
364 839 R1	A	33
364 839 R1	A	35
364 839 R1	B	20
364 839 R1	B	25
364 839 R1	B	31
364 839 R1	B	33
364 839 R1	C	20
364 839 R1	C	25
364 839 R1	C	31
364 839 R1	D	31
364 839 R1	D	33
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364 839 R1	P	14
364 839 R1	P	16
364 839 R1	P	21
364 840 R1	A	49
364 840 R1	B	47
364 840 R1	C	43
364 841 R96	A	35
364 841 R96	A	48
364 841 R96	B	33
364 841 R96	B	46
364 841 R96	C	31
364 841 R96	C	42
364 842 R96	A	49
364 842 R96	B	47
364 842 R96	C	43
364 846 R1	A	49
364 846 R1	B	47
364 846 R1	C	43
364 848 R11	A	49
364 848 R11	B	47
364 848 R11	C	43
364 879 R1	A	20
364 879 R1	A	42
364 879 R1	A	44
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364 879 R1	F	62
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364 879 R1	G	28
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364 879 R1	J	28
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364 879 R1	J	30
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364 885 R1	B	22
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364 885 R1	B	33
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364 885 R1	C	19
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364 885 R1	D	38
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364 885 R1	D	66
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364 885 R1	D	75
364 885 R1	D	76
364 885 R1	D	78
364 885 R1	D	92
364 885 R1	D	98
364 885 R1	E	9
364 885 R1	E	28
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364 885 R1	E	30
364 885 R1	E	33
364 885 R1	E	37
364 885 R1	E	38
364 885 R1	E	40
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364 885 R1	E	50
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364 885 R1	E	57
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364 885 R1	E	60
364 885 R1	E	62
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364 885 R1	E	66
364 885 R1	E	68
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364 885 R1	E	76
364 885 R1	E	90
364 885 R1	F	9
364 885 R1	F	11
364 885 R1	F	25
364 885 R1	F	26
364 885 R1	F	27
364 885 R1	F	28
364 885 R1	F	30
364 885 R1	F	34
364 885 R1	F	35
364 885 R1	F	36
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364 885 R1	F	56
364 885 R1	F	59
364 885 R1	F	70
364 885 R1	G	9
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364 885 R1	G	27
364 885 R1	G	29
364 885 R1	G	31
364 885 R1	G	33
364 885 R1	G	35
364 885 R1	G	36
364 885 R1	G	37
364 885 R1	G	38
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364 885 R1	G	40
364 885 R1	G	42
364 885 R1	G	43
364 885 R1	G	44
364 885 R1	G	46
364 885 R1	G	47
364 885 R1	H	6
364 885 R1	H	16
364 885 R1	H	18
364 885 R1	H	19
364 885 R1	H	20
364 885 R1	H	21
364 885 R1	H	22
364 885 R1	H	23
364 885 R1	J	8
364 885 R1	J	30
364 885 R1	J	31
364 885 R1	J	32
364 885 R1	J	33
364 885 R1	J	35
364 885 R1	J	37
364 885 R1	J	38
364 885 R1	J	40
364 885 R1	J	44
364 885 R1	J	45
364 885 R1	J	46
364 885 R1	J	47
364 885 R1	J	48
364 885 R1	J	49
364 885 R1	J	52
364 885 R1	J	59
364 885 R1	J	60
364 885 R1	J	61
364 885 R1	K	6
364 885 R1	K	7
364 885 R1	K	24
364 885 R1	K	29
364 885 R1	K	38
364 885 R1	K	40
364 885 R1	L	8
364 885 R1	L	11
364 885 R1	L	12
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364 885 R1	N	8
364 885 R1	N	11
364 885 R1	N	12
364 885 R1	N	22
364 885 R1	P	5
364 885 R1	P	13
364 885 R1	P	14
364 885 R1	P	15
364 885 R1	P	19
364 885 R1	P	20
364 885 R1	P	21
365 347 R1	A	49
365 347 R1	B	47
365 347 R1	C	43
365 348 R1	A	49
365 348 R1	B	47
365 348 R1	C	43
365 503 R1	D	89
365 503 R1	E	87
365 503 R1	F	69
365 503 R1	G	52
365 503 R1	G	54
365 503 R1	G	58
365 503 R1	H	26
365 503 R1	J	62
365 503 R1	J	63
365 503 R1	J	64
365 503 R1	J	65
365 503 R1	K	41
365 503 R1	K	42
365 503 R1	M	33
366 460 R1	A	59
366 460 R1	B	55
366 460 R1	C	49
366 460 R1	D	89
366 460 R1	E	87
366 460 R1	F	68
366 460 R1	G	52
366 460 R1	G	54
366 460 R1	G	58
366 460 R1	H	26

-6- BKH-1

NUMERICAL INDEX

NUMERICAL INDEX

PART NUMBER	SEC	PG
366 460 R1	J	62
366 460 R1	J	64
366 460 R1	J	65
366 460 R1	M	33
366 638 R91	A	49
366 638 R91	B	47
366 638 R91	C	43
366 665 R2	A	49
366 665 R2	B	47
366 665 R2	C	43
367 833 R1	A	49
367 833 R1	B	47
367 833 R1	C	43
368 269 R1	A	35
368 269 R1	A	39
368 269 R1	A	44
368 269 R1	A	48
368 269 R1	B	33
368 269 R1	B	37
368 269 R1	B	42
368 269 R1	B	46
368 269 R1	C	31
368 269 R1	C	38
368 269 R1	C	42
368 269 R1	D	38
368 269 R1	D	53
368 269 R1	D	55
368 269 R1	D	64
368 269 R1	D	65
368 269 R1	D	68
368 269 R1	D	76
368 269 R1	D	97
368 269 R1	E	38
368 269 R1	E	53
368 269 R1	E	55
368 269 R1	E	64
368 269 R1	E	65
368 269 R1	E	68
368 269 R1	E	73
368 269 R1	E	74
368 269 R1	F	36
368 269 R1	F	45
368 269 R1	F	47
368 269 R1	F	56
368 269 R1	F	57
368 269 R1	G	36
368 269 R1	G	37
368 269 R1	G	38
368 269 R1	G	41
368 269 R1	G	42
368 269 R1	G	47
368 269 R1	H	19
368 269 R1	H	20
368 269 R1	J	35
368 269 R1	J	37
368 269 R1	J	44
368 269 R1	J	58
368 269 R1	J	59
368 269 R1	K	7
368 269 R1	K	24
368 269 R1	K	38
368 269 R1	M	18
368 269 R1	M	19
368 269 R1	M	27
368 269 R1	P	19
368 576 R1	D	69
368 576 R1	E	69
368 633 R91	A	32
368 633 R91	A	56
368 633 R91	B	30
368 633 R91	B	52
368 633 R92	D	45
368 633 R92	D	86
368 633 R92	E	45
368 633 R92	E	84
368 634 R92	D	86
368 634 R92	E	84
369 384 R1	D	70
369 384 R1	E	70
369 428 R1	A	32
369 428 R1	B	30
369 428 R1	D	45
369 428 R1	E	45
369 758 R1	A	42
369 758 R1	A	44
369 758 R1	A	46
369 758 R1	A	48
369 758 R1	B	40
369 758 R1	B	42
369 758 R1	B	44
369 758 R1	B	46
369 758 R1	C	36
369 758 R1	C	38
369 758 R1	C	40
369 758 R1	C	42
369 758 R1	D	54
369 758 R1	D	56
369 758 R1	E	54
369 758 R1	E	56
369 758 R1	F	46
369 758 R1	F	48
369 908 R1	A	33
369 908 R1	B	31
369 908 R1	D	42
369 908 R1	D	46
369 908 R1	D	67
369 908 R1	E	42
369 908 R1	E	46
369 908 R1	E	67
369 908 R1	J	28
369 908 R1	J	29
369 908 R1	K	19
369 908 R1	K	21
370 290 R1	L	22
370 290 R1	N	23
370 383 R1	G	57
370 383 R1	M	21
370 766 R92	A	49
370 766 R92	B	47
370 766 R92	C	43
370 920 R1	A	54
370 920 R1	B	50
370 920 R1	C	46
370 920 R1	D	85
370 920 R1	E	83
370 920 R1	F	67
370 943 R1	J	28
370 943 R1	J	29
370 943 R1	K	19
370 943 R1	K	21
370 967 R1	D	76
370 967 R1	E	73
370 967 R1	F	56
370 967 R1	M	27
371 036 R1	D	89
371 036 R1	E	87
371 461 R91	A	59
371 461 R91	B	55
371 461 R91	C	49
371 461 R91	D	89
371 461 R91	E	87
371 461 R91	F	69
371 461 R91	H	26
371 461 R92	J	63
371 523 R1	A	56
371 523 R1	B	52
371 523 R1	D	86
371 523 R1	E	84
371 531 R1	A	53
371 531 R1	B	49
371 531 R1	C	45
371 531 R1	D	84
371 531 R1	E	82
371 531 R1	F	66
371 542 R92	A	53
371 542 R92	B	49
371 542 R92	C	45
371 542 R92	D	84
371 542 R92	E	82
371 542 R92	F	66
371 543 R2	A	35
371 543 R2	B	32
371 543 R2	C	30
371 543 R2	D	34
371 543 R2	E	34
371 543 R2	F	31
371 544 R1	A	35
371 544 R1	B	32
371 544 R1	C	30
371 544 R1	D	34
371 544 R1	E	34
371 544 R1	L	22
371 544 R1	N	23
371 806 R91	A	53
371 806 R91	B	49
371 806 R91	C	45
371 813 R91	A	54
371 813 R91	B	50
371 813 R91	C	46
372 649 R1	D	76
372 649 R1	E	73
372 649 R1	F	56
372 649 R1	M	27
373 182 R1	A	53
373 182 R1	B	49
373 182 R1	C	45
373 182 R1	D	84
373 182 R1	E	82
373 182 R1	F	66
373 255 R91	A	35
373 255 R91	B	33
373 255 R91	C	31
373 448 R1	J	68
373 448 R1	K	44
373 662 R91	J	62
374 780 R92	A	51
374 780 R92	B	56
374 780 R92	C	50
375 269 R1	A	28
375 269 R1	B	26
375 269 R1	C	26
376 388 R94	A	20
376 388 R94	A	50
376 389 R94	A	20
376 389 R94	A	50
376 410 R22	A	51
376 411 R1	A	50
376 412 R93	A	51
376 420 R1	A	50
376 420 R1	D	80
376 420 R1	E	78
376 420 R1	F	62
376 421 R1	A	52
376 421 R1	B	48
376 421 R1	C	44
376 421 R1	D	82
376 421 R1	E	80
376 421 R1	F	64
376 422 R1	A	50
376 423 R1	A	50
376 423 R1	A	52
376 423 R1	B	48
376 423 R1	C	44
376 423 R1	D	80
376 423 R1	D	82
376 423 R1	E	78
376 423 R1	E	80
376 423 R1	F	62
376 423 R1	F	64
376 423 R1	G	28
376 423 R1	H	15
376 423 R1	J	55
376 423 R1	M	23
376 423 R1	P	18
376 425 R1	A	50
376 425 R1	A	52
376 425 R1	D	80
376 425 R1	E	78
376 425 R1	F	62
376 428 R1	D	80
376 428 R1	E	78
376 428 R1	F	62
376 430 R1	A	50
376 430 R1	A	52
376 431 R1	A	51
376 432 R1	A	51
376 433 R1	A	51
376 433 R1	A	52
376 433 R1	B	48
376 433 R1	C	44
376 433 R1	D	80
376 433 R1	D	82
376 433 R1	E	78
376 433 R1	E	80
376 433 R1	F	62
376 433 R1	F	64
376 433 R1	G	28
376 433 R1	H	15
376 433 R1	J	55
376 433 R1	M	23
376 433 R1	P	18
376 453 R1	A	50
376 453 R1	A	52
376 852 R91	G	56
376 852 R91	J	63
376 852 R91	K	42
376 852 R91	M	20
376 908 R1	J	19
376 908 R1	K	16
376 993 R92	A	32
376 993 R92	A	56
376 993 R92	B	30
376 993 R92	B	52
376 993 R94	D	45
376 993 R94	D	86
376 993 R94	E	45
376 993 R94	E	84
377 105 R1	D	89
377 105 R1	E	87
377 105 R1	F	68
377 105 R1	G	52
377 105 R1	G	54
377 105 R1	H	26
377 105 R1	J	64
377 105 R1	J	65
377 188 R2	D	42
377 188 R2	E	42
377 204 R1	A	49
377 204 R1	B	47
377 204 R1	C	43
377 220 R1	K	11
377 302 R1	A	59
377 302 R1	B	55
377 302 R1	C	49
377 303 R1	A	59
377 303 R1	B	55
377 303 R1	C	49
377 304 R1	A	59
377 304 R1	B	55
377 304 R1	C	49
377 305 R1	A	59
377 305 R1	B	55
377 305 R1	C	49
377 677 R1	D	96
377 677 R1	E	94
377 801 R1	D	80
377 801 R1	E	78
377 801 R1	F	62
377 802 R1	D	80
377 802 R1	E	78
377 802 R1	F	62
377 803 R1	D	80
377 803 R1	E	78
377 803 R1	F	62
377 952 R1	A	57
377 952 R1	A	58
377 952 R1	B	53
377 952 R1	B	54
377 952 R1	C	47
377 952 R1	C	48
377 952 R1	D	72
377 952 R1	D	73
377 952 R1	D	74
377 952 R1	E	72
377 952 R1	E	73
377 952 R1	F	56
378 395 R1	D	42
378 395 R1	E	42
378 478 R1	G	11
378 899 R1	A	20
378 899 R1	A	42
378 899 R1	A	44
378 899 R1	B	20
378 899 R1	B	40
378 899 R1	B	42
378 899 R1	C	20

NUMERICAL INDEX

PART NUMBER	SEC	PG
378 899 R1	C	36
378 899 R1	C	38
378 899 R1	D	27
378 899 R1	D	28
378 899 R1	D	29
378 899 R1	D	52
378 899 R1	D	54
378 899 R1	E	27
378 899 R1	E	28
378 899 R1	E	29
378 899 R1	E	52
378 899 R1	E	54
378 899 R1	F	24
378 899 R1	F	25
378 899 R1	F	26
378 899 R1	F	27
378 899 R1	F	44
378 899 R1	F	46
378 899 R1	G	24
378 899 R1	G	26
378 899 R1	G	27
378 899 R1	H	23
378 899 R1	J	30
378 899 R1	J	31
378 899 R1	J	32
378 899 R1	M	22
378 899 R1	P	13
378 985 R2	A	20
378 985 R2	A	42
378 985 R2	A	44
378 985 R2	B	20
378 985 R2	B	40
378 985 R2	B	42
378 985 R2	C	20
378 985 R2	C	36
378 985 R2	C	38
378 985 R2	D	27
378 985 R2	D	28
378 985 R2	D	29
378 985 R2	D	52
378 985 R2	D	54
378 985 R2	D	66
378 985 R2	D	68
378 985 R2	E	27
378 985 R2	E	28
378 985 R2	E	29
378 985 R2	E	52
378 985 R2	E	54
378 985 R2	E	66
378 985 R2	E	68
378 985 R2	F	24
378 985 R2	F	25
378 985 R2	F	26
378 985 R2	F	27
378 985 R2	F	44
378 985 R2	F	46
378 985 R2	G	24
378 985 R2	G	26
378 985 R2	G	27
378 985 R2	H	23
378 985 R2	J	30
378 985 R2	J	31
378 985 R2	J	32
378 985 R2	M	22
378 985 R2	P	13
379 022 R2	D	21
379 022 R2	E	21
379 022 R2	F	18
379 022 R2	F	23
379 022 R2	G	19
379 022 R2	G	21
379 022 R2	G	23
379 022 R2	H	14
379 022 R2	J	21
379 022 R2	J	25
379 022 R2	L	6
379 022 R2	M	13
379 022 R2	N	6
379 022 R2	P	11
379 045 R1	A	8
379 045 R1	A	39
379 045 R1	B	8
379 045 R1	B	37
379 045 R1	C	8
379 045 R1	D	48
379 045 R1	D	50
379 045 R1	E	48
379 045 R1	E	50
379 045 R1	F	40
379 045 R1	F	42
379 181 R1	A	49
379 181 R1	B	47
379 181 R1	C	43
379 181 R1	J	28
379 181 R1	J	29
379 181 R1	K	19
379 181 R1	K	21
379 181 R1	L	12
379 457 R1	L	20
379 457 R1	N	21
379 693 R1	D	69
379 693 R1	E	69
379 694 R91	D	69
379 694 R91	E	69
379 699 R1	D	69
379 699 R1	E	69
379 700 R1	D	69
379 700 R1	E	69
379 701 R1	D	69
379 701 R1	E	69
379 782 R92	D	69
379 782 R92	E	69
379 783 R91	D	69
379 783 R91	E	69
379 784 R1	D	69
379 784 R1	E	69
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379 897 R1	D	70
379 897 R1	E	70
379 901 R91	D	70
379 901 R91	E	70
380 025 R91	A	44
380 025 R91	A	48
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380 025 R91	B	46
380 025 R91	C	38
380 025 R91	C	42
380 366 R1	D	75
380 366 R1	G	51
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380 521 R1	A	41
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380 595 R1	H	22
380 632 R1	A	44
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380 839 R1	J	53
380 839 R1	J	54
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380 839 R1	K	35
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380 974 R1	C	20
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380 975 R1	B	19
380 975 R1	C	19
380 976 R1	A	20
380 976 R1	B	20
380 976 R1	C	20
381 001 R91	A	56
381 001 R91	B	52
381 002 R91	A	56
381 002 R91	B	52
381 002 R93	D	86
381 002 R93	E	84
381 060 R1	D	68
381 060 R1	E	68
381 062 R92	A	21
381 063 R92	A	21
381 064 R92	A	21
381 065 R92	A	21
381 073 R91	A	22
381 078 R21	A	21
381 078 R21	A	24
381 078 R21	B	22
381 078 R21	C	22
381 078 R31	D	10
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381 078 R31	G	11
381 078 R31	H	7
381 078 R31	J	14
381 078 R31	M	25
381 080 R1	A	21
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381 085 R1	A	24
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381 086 R1	A	24
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381 086 R1	J	14
381 086 R1	M	26
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381 088 R1	A	21
381 088 R1	A	24
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381 089 R1	P	8
381 090 R91	A	21
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381 097 R21	A	21
381 097 R21	A	24
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381 097 R31	D	10
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381 097 R31	G	11
381 097 R31	H	7
381 097 R31	J	14
381 097 R31	M	25
381 097 R31	P	9

-8- BKH-1

NUMERICAL INDEX

NUMERICAL INDEX

PART NUMBER	SEC	PG
381 104 R21	A	21
381 106 R1	A	21
381 106 R1	A	24
381 106 R1	B	22
381 106 R1	C	22
381 106 R1	D	10
381 106 R1	E	10
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381 107 R1	J	13
381 107 R1	K	11
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381 107 R1	P	8
381 108 R2	A	22
381 109 R1	A	21
381 109 R1	A	24
381 109 R1	B	22
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381 109 R1	H	8
381 109 R1	J	14
381 109 R1	K	11
381 109 R1	M	26
381 110 R1	A	22
381 110 R1	A	24
381 110 R1	B	22
381 110 R1	C	22
381 110 R1	D	11
381 110 R1	E	10
381 110 R1	F	11
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381 110 R1	H	8
381 110 R1	J	14
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381 110 R1	M	26
381 111 R1	A	21
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381 111 R1	H	7
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381 111 R1	P	8
381 112 R1	A	22
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381 112 R1	B	22
381 112 R1	C	22
381 115 R92	A	35
381 115 R92	A	53
381 115 R92	B	33
381 115 R92	B	49
381 115 R92	C	31
381 115 R92	C	45
381 115 R92	D	34
381 115 R92	D	84
381 115 R92	E	34
381 115 R92	E	82
381 115 R92	F	31
381 115 R92	F	66
381 116 R91	A	35
381 116 R91	A	54
381 116 R91	B	33
381 116 R91	B	50
381 116 R91	C	31
381 116 R91	C	46
381 116 R92	D	34
381 116 R92	D	85
381 116 R92	E	34
381 116 R92	E	83
381 116 R92	F	31
381 116 R92	F	67
381 118 R21	D	34
381 118 R21	E	34
381 118 R21	F	31
381 120 R92	D	34
381 120 R92	E	34
381 120 R92	F	31
381 143 R1	A	42
381 143 R1	A	44
381 143 R1	B	40
381 143 R1	B	42
381 143 R1	C	36
381 143 R1	C	38
381 143 R1	D	52
381 143 R1	D	54
381 143 R1	E	52
381 143 R1	E	54
381 143 R1	F	44
381 143 R1	F	46
381 154 R91	A	54
381 154 R91	B	50
381 154 R91	C	46
381 154 R91	D	85
381 154 R91	E	83
381 154 R91	F	67
381 158 R91	A	54
381 158 R91	B	50
381 158 R91	C	46
381 159 R91	A	53
381 159 R91	B	49
381 159 R91	C	45
381 160 R91	A	54
381 160 R91	B	50
381 160 R91	C	46
381 166 R1	D	54
381 166 R1	D	55
381 166 R1	E	54
381 166 R1	E	55
381 166 R1	F	46
381 166 R1	F	47
381 166 R11	D	54
381 166 R11	D	55
381 166 R11	E	54
381 166 R11	E	55
381 166 R11	F	46
381 166 R11	F	47
381 182 C91	G	56
381 182 C91	M	20
381 214 R11	D	90
381 214 R11	E	88
381 216 R1	D	90
381 216 R1	E	88
381 217 R1	D	90
381 217 R1	E	88
381 230 R1	G	45
381 232 R91	G	45
381 256 R91	A	40
381 256 R91	B	38
381 256 R91	C	34
381 256 R91	D	72
381 256 R91	E	71
381 256 R91	F	55
381 369 R91	A	56
381 369 R91	B	52
381 369 R91	D	86
381 369 R91	E	84
381 370 R1	A	56
381 370 R1	B	52
381 370 R1	D	86
381 370 R1	E	84
381 425 R11	D	34
381 425 R11	E	34
381 425 R11	F	31
381 426 R1	D	34
381 426 R1	D	66
381 426 R1	E	34
381 426 R1	E	66
381 426 R1	F	31
381 618 R1	A	40
381 618 R1	B	38
381 618 R1	C	34
381 618 R1	D	72
381 618 R1	E	71
381 618 R1	F	55
381 622 R1	D	34
381 622 R1	E	34
381 622 R1	F	31
381 625 R1	A	40
381 625 R1	B	38
381 625 R1	C	34
381 625 R1	D	72
381 625 R1	E	71
381 625 R1	F	55
381 626 R1	A	40
381 626 R1	B	38
381 626 R1	C	34
381 626 R1	D	72
381 626 R1	E	71
381 626 R1	F	55
381 627 R1	A	40
381 627 R1	B	38
381 627 R1	C	34
381 627 R1	D	72
381 627 R1	E	71
381 627 R1	F	55
381 629 R1	A	40
381 629 R1	B	38
381 629 R1	C	34
381 629 R1	D	72
381 629 R1	E	71
381 629 R1	F	55
381 746 R1	A	51
381 773 R11	D	52
381 773 R11	D	54
381 773 R11	E	52
381 773 R11	E	54
381 773 R11	F	44
381 773 R11	F	46
381 777 R1	A	42
381 777 R1	A	45
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381 777 R1	B	43
381 777 R1	C	36
381 777 R1	C	39
381 777 R1	D	51
381 777 R1	D	52
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381 777 R1	D	63
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381 777 R1	E	52
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381 777 R1	F	43
381 777 R1	F	44
381 777 R1	F	54
381 778 R11	A	41
381 778 R11	A	44
381 778 R11	A	45
381 778 R11	A	48
381 778 R11	B	40
381 778 R11	B	42
381 778 R11	B	43
381 778 R11	B	46
381 778 R11	C	35
381 778 R11	C	38
381 778 R11	C	39
381 778 R11	C	42
381 778 R11	D	51
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381 778 R11	F	43
381 778 R11	F	44
381 778 R11	F	45
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381 779 R11	A	44
381 779 R11	B	42
381 779 R11	C	38
381 779 R11	D	53
381 779 R11	E	53
381 779 R11	F	45
381 779 R21	A	48
381 779 R21	B	46
381 779 R21	C	42
381 779 R21	D	55
381 779 R21	E	55
381 779 R21	F	47
381 785 R1	A	44
381 785 R1	A	48
381 785 R1	B	42
381 785 R1	B	46
381 785 R1	C	38
381 785 R1	C	42
381 785 R1	D	53
381 785 R1	E	53
381 785 R1	F	45
381 871 R1	D	10
381 871 R1	G	10
381 871 R1	K	12
381 871 R1	M	25
381 873 R1	D	10
381 873 R1	G	11
381 873 R1	M	25
381 884 R1	A	19
381 884 R1	B	19
381 884 R1	C	19
381 884 R1	D	27
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381 884 R1	D	29
381 884 R1	E	27
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381 884 R1	G	24
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381 884 R1	H	23
381 884 R1	J	30
381 884 R1	J	31
381 884 R1	J	32
381 884 R1	J	57
381 884 R1	J	58
381 884 R1	K	37
381 884 R1	M	22
381 884 R1	P	13
381 885 R1	A	19
381 885 R1	B	19
381 885 R1	C	19
381 885 R1	D	27
381 885 R1	D	28
381 885 R1	D	29
381 885 R1	E	27
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381 885 R1	F	24
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381 885 R1	G	24
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381 885 R1	H	23
381 885 R1	J	30
381 885 R1	J	31
381 885 R1	J	32
381 885 R1	M	22
381 885 R1	P	13
382 125 R1	D	70
382 125 R1	E	70
382 126 R1	D	70
382 126 R1	E	70
382 127 R1	D	70
382 127 R1	E	70
382 137 R1	A	42
382 137 R1	A	44
382 137 R1	A	45
382 137 R1	A	48
382 137 R1	A	50

-9- BKH-1

NUMERICAL INDEX

NUMERICAL INDEX

PART NUMBER	SEC	PG
382 137 R1	A	51
382 137 R1	B	40
382 137 R1	B	42
382 137 R1	B	43
382 137 R1	B	46
382 137 R1	C	36
382 137 R1	C	38
382 137 R1	C	39
382 137 R1	C	42
382 137 R1	D	51
382 137 R1	D	52
382 137 R1	D	55
382 137 R1	D	57
382 137 R1	D	58
382 137 R1	D	60
382 137 R1	D	62
382 137 R1	D	63
382 137 R1	E	51
382 137 R1	E	52
382 137 R1	E	55
382 137 R1	E	57
382 137 R1	E	58
382 137 R1	E	60
382 137 R1	E	62
382 137 R1	E	63
382 137 R1	F	43
382 137 R1	F	44
382 137 R1	F	47
382 137 R1	F	49
382 137 R1	F	50
382 137 R1	F	52
382 137 R1	F	54
382 432 R1	F	10
382 449 R1	D	33
382 449 R1	E	33
382 449 R1	F	30
382 449 R1	G	35
382 449 R1	H	18
382 449 R1	J	33
382 449 R1	M	17
382 449 R1	P	14
382 479 R91	A	20
382 479 R91	B	20
382 479 R91	C	20
382 479 R91	D	27
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382 479 R91	D	29
382 479 R91	E	27
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382 479 R91	H	23
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382 479 R91	J	31
382 479 R91	J	32
382 479 R91	M	22
382 479 R91	P	13
382 661 R2	D	80
382 661 R2	E	78
382 661 R2	F	62
382 761 R1	D	98
382 761 R1	G	42
382 761 R1	M	19
382 781 R1	A	42
382 781 R1	A	45
382 781 R1	B	40
382 781 R1	B	43
382 781 R1	C	36
382 781 R1	C	39
382 781 R1	D	51
382 781 R1	D	52
382 781 R1	D	62
382 781 R1	D	63
382 781 R1	E	51
382 781 R1	E	52
382 781 R1	E	62
382 781 R1	E	63
382 781 R1	F	43
382 781 R1	F	44
382 781 R1	F	54
382 850 R11	A	52
382 850 R11	B	48
382 850 R11	C	44
382 850 R21	D	82
382 850 R21	E	80
382 850 R21	F	64
382 852 R1	A	52
382 852 R1	B	48
382 852 R1	C	44
382 915 R1	A	29
382 915 R1	B	27
382 915 R1	C	27
382 915 R1	D	40
382 915 R1	E	40
382 915 R1	F	38
382 915 R1	G	44
382 915 R1	H	22
382 915 R1	J	61
382 915 R1	K	40
382 915 R1	M	11
382 915 R1	P	21
382 916 R1	D	40
382 916 R1	E	40
382 916 R1	F	38
382 916 R1	G	44
382 916 R1	H	22
382 916 R1	J	61
382 916 R1	K	40
382 916 R1	M	11
382 916 R1	P	21
382 928 R91	A	20
382 928 R91	B	20
382 928 R91	C	20
382 928 R91	D	28
382 928 R91	D	29
382 928 R91	E	28
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382 928 R91	F	25
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382 992 R91	A	28
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382 992 R91	C	26
382 995 R1	G	44
382 995 R1	J	61
382 995 R1	M	11
382 995 R1	P	21
383 005 R1	A	22
383 005 R1	A	24
383 005 R1	B	22
383 005 R1	C	22
383 005 R1	D	11
383 005 R1	E	10
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383 005 R1	G	11
383 005 R1	H	7
383 005 R1	H	8
383 005 R1	J	14
383 005 R1	K	9
383 005 R1	M	26
383 005 R1	P	9
383 006 R1	A	22
383 006 R1	A	24
383 006 R1	B	22
383 006 R1	C	22
383 006 R1	D	11
383 006 R1	E	10
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383 006 R1	J	14
383 006 R1	K	11
383 006 R1	M	26
383 006 R1	P	9
383 017 R1	G	11
383 051 R11	A	41
383 051 R11	A	44
383 051 R11	A	45
383 051 R11	A	48
383 051 R11	B	40
383 051 R11	B	42
383 051 R11	B	43
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383 051 R11	C	38
383 051 R11	C	39
383 051 R11	C	42
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383 051 R11	F	45
383 051 R11	F	47
383 120 R1	D	51
383 120 R1	D	52
383 120 R1	D	54
383 120 R1	D	56
383 120 R1	E	51
383 120 R1	E	52
383 120 R1	E	54
383 120 R1	E	56
383 120 R1	F	43
383 120 R1	F	44
383 120 R1	F	46
383 120 R1	F	48
383 121 R11	B	40
383 121 R21	A	42
383 121 R21	A	44
383 121 R21	B	42
383 121 R21	C	36
383 121 R21	C	38
383 122 R1	A	42
383 122 R1	A	44
383 122 R1	A	46
383 122 R1	A	48
383 122 R1	B	40
383 122 R1	B	42
383 122 R1	B	44
383 122 R1	B	46
383 122 R1	C	36
383 122 R1	C	38
383 122 R1	C	40
383 122 R1	C	42
383 122 R1	D	51
383 122 R1	D	52
383 122 R1	D	54
383 122 R1	D	56
383 122 R1	E	51
383 122 R1	E	52
383 122 R1	E	54
383 122 R1	E	56
383 122 R1	F	43
383 122 R1	F	44
383 122 R1	F	46
383 122 R1	F	48
383 188 R11	A	51
383 189 R1	A	51
383 190 R1	A	51
383 190 R1	A	52
383 190 R1	B	48
383 190 R1	C	44
383 201 R92	A	53
383 201 R92	B	49
383 201 R92	C	45
383 219 R1	A	20
383 219 R1	A	42
383 219 R1	A	44
383 219 R1	A	51
383 219 R1	B	20
383 219 R1	B	40
383 219 R1	B	42
383 219 R1	C	20
383 219 R1	C	36
383 219 R1	C	38
383 219 R1	D	27
383 219 R1	D	28
383 219 R1	D	29
383 219 R1	D	52
383 219 R1	D	54
383 219 R1	D	66
383 219 R1	D	68
383 219 R1	E	27
383 219 R1	E	28
383 219 R1	E	29
383 219 R1	E	52
383 219 R1	E	54
383 219 R1	E	66
383 219 R1	E	68
383 219 R1	F	24
383 219 R1	F	25
383 219 R1	F	26
383 219 R1	F	27
383 219 R1	F	44
383 219 R1	F	46
383 219 R1	G	24
383 219 R1	G	26
383 219 R1	G	27
383 219 R1	H	23
383 219 R1	J	30
383 219 R1	J	31
383 219 R1	J	32
383 219 R1	M	22
383 219 R1	P	13
383 269 R94	D	27
383 269 R94	D	80
383 269 R94	E	27
383 269 R94	E	78
383 269 R94	F	24
383 269 R94	F	62
383 270 R92	A	20
383 270 R92	A	52
383 270 R92	B	20
383 270 R92	B	48
383 270 R92	C	20
383 270 R92	C	44
383 270 R93	D	28
383 270 R93	D	82
383 270 R93	E	28
383 270 R93	E	80
383 270 R93	F	25
383 270 R93	F	64
383 270 R94	D	29
383 270 R94	E	29
383 270 R94	F	26
383 270 R94	F	27
383 270 R94	G	25
383 270 R94	G	26
383 270 R94	G	27
383 270 R94	G	28
383 270 R94	H	15
383 270 R94	H	23
383 270 R94	J	30
383 270 R94	J	31
383 270 R94	J	32
383 270 R94	J	55
383 270 R94	M	22
383 270 R94	M	23
383 270 R94	P	13
383 270 R94	P	18
383 271 R91	B	40
383 271 R92	A	20
383 271 R92	A	42
383 271 R92	A	44
383 271 R92	A	52
383 271 R92	B	20
383 271 R92	B	42
383 271 R92	B	48
383 271 R92	C	20
383 271 R92	C	36
383 271 R92	C	38
383 271 R92	C	44
383 271 R92	D	52
383 271 R92	D	54

-10- BKH-1

NUMERICAL INDEX

NUMERICAL INDEX

-11- BKH-1

NUMERICAL INDEX

PART NUMBER	SEC	PG
383 271 R92	E	52
383 271 R92	E	54
383 271 R94	D	27
383 271 R94	D	28
383 271 R94	D	82
383 271 R94	E	27
383 271 R94	E	28
383 271 R94	E	80
383 271 R94	F	24
383 271 R94	F	25
383 271 R94	F	44
383 271 R94	F	46
383 271 R94	F	64
383 271 R95	D	29
383 271 R95	E	29
383 271 R95	F	26
383 271 R95	F	27
383 271 R95	G	24
383 271 R95	G	26
383 271 R95	G	27
383 271 R95	G	28
383 271 R95	H	15
383 271 R95	H	23
383 271 R95	J	32
383 271 R95	M	22
383 271 R95	M	23
383 271 R96	J	30
383 271 R96	J	31
383 271 R96	J	55
383 271 R96	P	13
383 271 R96	P	18
383 276 R91	A	52
383 276 R91	B	48
383 276 R91	C	44
383 276 R93	D	82
383 276 R93	E	80
383 276 R93	F	64
383 279 R11	A	52
383 279 R11	B	48
383 279 R11	C	44
383 280 R1	A	52
383 280 R1	B	48
383 280 R1	C	44
383 280 R1	D	80
383 280 R1	D	82
383 280 R1	E	78
383 280 R1	E	80
383 280 R1	F	62
383 280 R1	F	64
383 280 R1	G	28
383 280 R1	H	15
383 280 R1	J	55
383 280 R1	M	23
383 280 R1	P	18
383 378 R11	A	20
383 378 R11	A	38
383 378 R11	B	20
383 378 R11	B	36
383 378 R11	C	20
383 378 R11	C	32
383 379 R11	A	20
383 379 R11	A	38
383 379 R11	B	20
383 379 R11	B	36
383 379 R11	C	20
383 379 R11	C	32
383 440 R91	G	24
383 548 R92	A	52
383 548 R92	B	48
383 548 R92	C	44
383 548 R92	D	81
383 548 R92	D	83
383 548 R92	E	79
383 548 R92	E	81
383 548 R92	F	63
383 548 R92	F	65
383 548 R92	G	28
383 548 R92	H	15
383 548 R92	J	55
383 548 R92	M	23
383 548 R92	P	18
383 796 R91	A	15
383 796 R91	B	15
383 796 R91	C	14
383 796 R91	D	13
383 796 R91	E	13
383 796 R91	F	13
383 878 R1	D	69
383 878 R1	E	69
383 878 R1	K	32
383 936 R11	A	41
383 936 R11	A	43
383 936 R11	A	45
383 936 R11	A	47
383 936 R11	B	39
383 936 R11	B	41
383 936 R11	B	43
383 936 R11	B	45
383 936 R11	C	35
383 936 R11	C	37
383 936 R11	C	39
383 936 R11	C	41
383 936 R11	D	53
383 936 R11	D	55
383 936 R11	E	53
383 936 R11	E	55
383 936 R11	F	45
383 936 R11	F	47
383 937 R91	A	47
383 937 R91	B	45
383 937 R91	C	41
383 937 R91	D	55
383 937 R91	E	55
383 937 R91	F	47
383 937 R92	A	41
383 937 R92	A	43
383 937 R92	A	45
383 937 R92	B	39
383 937 R92	B	41
383 937 R92	B	43
383 937 R92	C	35
383 937 R92	C	37
383 937 R92	C	39
383 937 R92	D	53
383 937 R92	E	53
383 937 R92	F	45
383 938 R11	A	41
383 938 R11	A	44
383 938 R11	A	45
383 938 R11	A	47
383 938 R11	B	39
383 938 R11	B	42
383 938 R11	B	43
383 938 R11	B	45
383 938 R11	C	35
383 938 R11	C	38
383 938 R11	C	39
383 938 R11	C	41
383 939 R11	A	41
383 939 R11	A	43
383 939 R11	A	45
383 939 R11	A	47
383 939 R11	B	39
383 939 R11	B	41
383 939 R11	B	43
383 939 R11	B	45
383 939 R11	C	35
383 939 R11	C	37
383 939 R11	C	39
383 939 R11	C	41
383 940 R11	A	41
383 940 R11	A	43
383 940 R11	A	45
383 940 R11	A	47
383 940 R11	B	39
383 940 R11	B	41
383 940 R11	B	43
383 940 R11	B	45
383 940 R11	C	35
383 940 R11	C	37
383 940 R11	C	39
383 940 R11	C	41
383 941 R91	A	33
383 941 R91	A	42
383 941 R91	A	44
383 941 R91	A	46
383 941 R91	A	48
383 941 R91	B	31
383 941 R91	B	40
383 941 R91	B	42
383 941 R91	B	44
383 941 R91	B	46
383 941 R91	C	36
383 941 R91	C	38
383 941 R91	C	40
383 941 R91	C	42
383 941 R91	D	35
383 941 R91	D	36
383 941 R91	D	45
383 941 R91	D	52
383 941 R91	D	54
383 941 R91	D	57
383 941 R91	E	35
383 941 R91	E	36
383 941 R91	E	45
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383 941 R91	E	54
383 941 R91	E	57
383 941 R91	F	32
383 941 R91	F	33
383 941 R91	F	44
383 941 R91	F	46
383 941 R91	F	49
383 942 R91	A	31
383 942 R91	A	33
383 942 R91	A	42
383 942 R91	A	44
383 942 R91	A	46
383 942 R91	A	48
383 942 R91	B	29
383 942 R91	B	31
383 942 R91	B	40
383 942 R91	B	42
383 942 R91	B	44
383 942 R91	B	46
383 942 R91	C	29
383 942 R91	C	36
383 942 R91	C	38
383 942 R91	C	40
383 942 R91	C	42
383 942 R91	D	52
383 942 R91	D	54
383 942 R91	D	57
383 942 R91	E	52
383 942 R91	E	54
383 942 R91	E	57
383 942 R91	F	44
383 942 R91	F	46
383 942 R91	F	49
383 943 R91	A	41
383 943 R91	A	43
383 943 R91	A	45
383 943 R91	A	47
383 943 R91	B	39
383 943 R91	B	41
383 943 R91	B	43
383 943 R91	B	45
383 943 R91	C	35
383 943 R91	C	37
383 943 R91	C	39
383 943 R91	C	41
383 943 R91	D	53
383 943 R91	D	55
383 943 R91	E	53
383 943 R91	E	55
383 943 R91	F	45
383 943 R91	F	47
383 946 R91	A	31
383 946 R91	A	41
383 946 R91	A	43
383 946 R91	A	45
383 946 R91	A	47
383 946 R91	A	57
383 946 R91	B	29
383 946 R91	B	39
383 946 R91	B	41
383 946 R91	B	43
383 946 R91	B	45
383 946 R91	B	53
383 946 R91	C	29
383 946 R91	C	35
383 946 R91	C	37
383 946 R91	C	39
383 946 R91	C	41
383 946 R91	C	44
383 946 R91	C	47
383 946 R91	D	35
383 946 R91	D	36
383 946 R91	D	45
383 946 R91	D	52
383 946 R91	D	54
383 946 R91	D	57
383 946 R91	E	35
383 946 R91	E	36
383 946 R91	E	45
383 946 R91	E	52
383 946 R91	E	54
383 946 R91	E	57
383 946 R91	F	32
383 946 R91	F	33
383 946 R91	F	44
383 946 R91	F	46
383 946 R91	F	49
383 946 R91	G	42
383 946 R91	G	50
383 946 R91	M	19
383 946 R91	M	30
384 250 R1	K	12
384 253 R91	A	21
384 254 R11	A	21
384 254 R11	A	24
384 254 R11	B	22
384 254 R11	C	22
384 254 R21	D	10
384 254 R21	E	10
384 254 R21	F	11
384 254 R21	G	11
384 254 R21	H	7
384 254 R21	J	14
384 254 R21	M	25
384 255 R1	A	22
384 255 R1	A	24
384 255 R1	B	22
384 255 R1	C	22
384 255 R1	D	11
384 255 R1	F	11
384 255 R1	H	7
384 255 R1	J	14
384 255 R1	M	26
384 255 R2	E	10
384 255 R2	G	11
384 283 R1	A	57
384 283 R1	B	53
384 283 R1	C	47
384 283 R1	D	73
384 283 R1	D	74
384 283 R1	E	72
384 283 R1	E	73
384 283 R1	F	56
384 283 R1	G	50
384 283 R1	M	30
384 287 R1	A	52
384 287 R1	B	48
384 287 R1	C	44
384 288 R1	A	52
384 288 R1	B	48
384 288 R1	C	44
384 288 R1	D	82
384 288 R1	E	80
384 288 R1	F	64
384 291 R1	A	42
384 291 R1	A	44
384 291 R1	A	46
384 291 R1	A	48
384 291 R1	B	40
384 291 R1	B	42
384 291 R1	B	44
384 291 R1	B	46
384 291 R1	C	36
384 291 R1	C	38
384 291 R1	C	40
384 291 R1	C	42
384 291 R1	D	51

PRINTED IN UNITED STATES OF AMERICA

NUMERICAL INDEX

PART NUMBER	SEC	PG
384 291 R1	D	52
384 291 R1	D	54
384 291 R1	D	56
384 291 R1	E	51
384 291 R1	E	52
384 291 R1	E	54
384 291 R1	E	56
384 291 R1	F	43
384 291 R1	F	44
384 291 R1	F	46
384 291 R1	F	48
384 381 R1	A	52
384 381 R1	B	48
384 381 R1	C	44
384 381 R1	D	80
384 381 R1	D	82
384 381 R1	E	78
384 381 R1	E	80
384 381 R1	F	62
384 381 R1	F	64
384 381 R1	G	28
384 381 R1	H	15
384 381 R1	J	55
384 381 R1	M	23
384 381 R1	P	18
384 507 R1	A	56
384 507 R1	B	52
384 555 R1	D	91
384 555 R1	E	89
384 559 R1	G	57
384 559 R1	M	21
384 697 R1	A	6
384 697 R1	B	6
384 697 R1	C	6
384 697 R1	D	6
384 697 R1	E	6
384 697 R1	F	6
384 697 R1	G	5
384 697 R1	J	4
384 697 R1	M	3
384 816 R11	C	22
384 816 R21	F	11
384 816 R21	H	7
384 816 R21	J	14
384 817 R1	A	22
384 817 R1	A	24
384 817 R1	B	22
384 817 R1	C	22
384 855 R1	D	48
384 855 R1	D	50
384 855 R1	E	48
384 855 R1	E	50
384 855 R1	F	40
384 855 R1	F	42
384 855 R11	D	48
384 855 R11	D	50
384 855 R11	E	48
384 855 R11	E	50
384 855 R11	F	40
384 855 R11	F	42
384 943 R1	D	75
384 974 R91	D	96
384 974 R91	E	94
385 125 R91	A	48
385 125 R91	B	46
385 125 R91	C	42
385 125 R91	D	56
385 125 R91	E	56
385 125 R91	F	48
385 131 R92	D	42
385 131 R92	D	70
385 131 R92	E	42
385 131 R92	E	70
385 156 R1	D	42
385 156 R1	E	42
385 609 R91	A	23
385 609 R91	B	21
385 609 R91	C	21
385 609 R93	D	9
385 609 R93	D	10
385 609 R93	E	9
385 609 R93	E	10
385 609 R93	F	9
385 609 R93	F	10
385 609 R93	H	6
385 609 R93	H	7
385 609 R93	M	6
385 609 R93	M	25
385 609 R94	G	9
385 609 R94	G	10
385 609 R94	J	13
385 610 R91	A	24
385 610 R91	B	22
385 610 R91	C	22
385 610 R91	F	11
385 610 R91	H	8
385 610 R92	E	11
385 610 R93	D	11
385 610 R93	G	11
385 610 R93	J	14
385 610 R93	M	26
385 612 R91	A	23
385 612 R91	B	21
385 612 R91	C	21
385 612 R92	D	9
385 612 R92	D	10
385 612 R92	E	9
385 612 R92	E	10
385 612 R92	F	9
385 612 R92	F	10
385 612 R92	H	6
385 612 R92	H	7
385 612 R92	M	7
385 612 R92	M	25
385 612 R93	G	9
385 612 R93	G	10
385 612 R93	J	8
385 612 R93	J	13
385 612 R93	P	5
385 612 R93	P	8
385 613 R91	A	23
385 613 R91	B	21
385 613 R91	C	21
385 613 R92	D	9
385 613 R92	D	10
385 613 R92	E	9
385 613 R92	E	10
385 613 R92	F	9
385 613 R92	F	10
385 613 R92	H	6
385 613 R92	H	7
385 613 R92	M	6
385 613 R92	M	25
385 613 R93	G	9
385 613 R93	G	10
385 613 R93	J	8
385 613 R93	J	13
385 613 R93	P	5
385 613 R93	P	8
385 614 R91	A	24
385 614 R91	B	22
385 614 R91	C	22
385 614 R91	D	11
385 614 R91	E	11
385 614 R91	F	11
385 614 R91	H	8
385 614 R91	M	26
385 614 R92	G	11
385 614 R92	J	14
385 614 R92	P	9
385 615 R91	A	24
385 615 R91	B	22
385 615 R91	C	22
385 615 R91	D	11
385 615 R91	E	11
385 615 R91	F	11
385 615 R91	H	8
385 615 R91	M	26
385 615 R92	G	11
385 615 R92	J	14
385 615 R92	P	9
385 616 R91	A	23
385 616 R91	B	21
385 616 R91	C	21
385 616 R92	D	9
385 616 R92	D	10
385 616 R92	E	9
385 616 R92	E	10
385 616 R92	F	9
385 616 R92	F	10
385 616 R92	H	6
385 616 R92	H	7
385 616 R92	M	7
385 616 R92	M	25
385 616 R93	G	9
385 616 R93	G	10
385 616 R93	J	9
385 616 R93	J	13
385 617 R91	A	24
385 617 R91	B	22
385 617 R91	C	22
385 617 R91	D	11
385 617 R91	E	11
385 617 R91	F	11
385 617 R91	H	8
385 617 R91	M	26
385 617 R92	G	11
385 617 R92	J	14
385 620 R91	C	21
385 620 R92	F	9
385 620 R92	F	10
385 620 R92	H	6
385 620 R92	H	7
385 620 R93	J	13
385 621 R91	C	22
385 621 R91	F	11
385 621 R91	H	8
385 621 R92	J	14
385 622 R1	D	70
385 622 R1	E	70
386 032 R91	C	14
386 040 R1	D	83
386 040 R1	E	81
386 040 R1	F	65
386 040 R1	G	44
386 040 R1	H	25
386 040 R1	J	56
386 040 R1	M	24
386 042 R1	D	83
386 042 R1	E	81
386 042 R1	F	65
386 042 R1	G	44
386 042 R1	H	25
386 042 R1	J	56
386 042 R1	M	24
386 073 R91	D	83
386 073 R91	E	81
386 073 R91	F	65
386 073 R91	G	44
386 073 R91	H	25
386 073 R91	J	56
386 073 R91	M	24
387 088 R1	D	70
387 088 R1	E	70
387 229 R91	A	20
387 229 R91	B	20
387 229 R91	C	20
387 229 R91	D	28
387 229 R91	D	29
387 229 R91	E	28
387 229 R91	E	29
387 229 R91	F	25
387 229 R91	F	26
387 229 R91	F	27
387 229 R91	G	24
387 229 R91	G	26
387 229 R91	G	27
387 229 R91	H	23
387 229 R91	J	30
387 229 R91	J	31
387 229 R91	J	32
387 229 R91	M	22
387 229 R91	P	13
387 362 R1	D	68
387 362 R1	E	68
387 363 R1	D	68
387 363 R1	E	68
387 370 R1	D	10
387 370 R1	G	10
387 370 R1	M	25
387 373 R1	D	11
387 373 R1	G	11
387 373 R1	M	26
387 374 R1	D	11
387 374 R1	G	11
387 374 R1	M	26
387 375 R1	G	11
387 394 R1	G	10
387 399 R2	G	10
387 419 R1	A	50
387 419 R2	A	52
387 425 R11	A	50
387 434 R1	J	28
387 434 R1	J	29
387 434 R1	L	12
387 435 R1	L	22
387 435 R1	N	23
387 436 R1	L	22
387 436 R1	N	23
387 437 R1	J	54
387 437 R1	K	34
387 437 R1	L	22
387 437 R1	N	23
387 439 R1	L	22
387 439 R1	N	23
387 729 R2	K	41
387 729 R91	D	89
387 729 R91	E	87
387 729 R91	F	69
387 729 R91	G	52
387 729 R91	G	54
387 729 R91	H	26
387 729 R92	J	62
387 729 R92	J	64
387 729 R92	J	65
388 208 R91	A	15
388 208 R91	A	20
388 208 R91	A	37
388 208 R91	A	49
388 208 R91	B	15
388 208 R91	B	20
388 208 R91	B	35
388 208 R91	B	47
388 208 R91	C	20
388 208 R91	C	34
388 208 R91	C	43
388 208 R92	D	13
388 208 R92	D	35
388 208 R92	E	13
388 208 R92	E	35
388 208 R93	D	27
388 208 R93	D	28
388 208 R93	D	29
388 208 R93	D	66
388 208 R93	D	68
388 208 R93	D	83
388 208 R93	E	27
388 208 R93	E	28
388 208 R93	E	29
388 208 R93	E	66
388 208 R93	E	68
388 208 R93	E	81
388 208 R93	F	13
388 208 R93	F	24
388 208 R93	F	25
388 208 R93	F	26
388 208 R93	F	27
388 208 R93	F	32
388 208 R93	F	65
388 208 R93	G	24
388 208 R93	G	26
388 208 R93	G	27
388 208 R93	G	44
388 208 R93	H	23
388 208 R93	H	25
388 208 R93	J	32
388 208 R93	J	56
388 208 R93	M	22
388 208 R93	M	24
388 216 R1	D	91
388 216 R1	E	89
388 661 R1	D	43
388 661 R1	E	43
388 738 R2	D	96
388 738 R2	E	94
388 862 R92	D	42

-12- BKH-1

NUMERICAL INDEX

NUMERICAL INDEX

PART NUMBER	SEC	PG
388 862 R92	E	42
388 864 R91	D	42
388 864 R91	E	42
388 869 R1	D	42
388 869 R1	E	42
388 870 R1	D	42
388 870 R1	E	42
388 871 R11	D	42
388 871 R11	E	42
388 872 R11	D	42
388 872 R11	E	42
388 873 R11	D	42
388 873 R11	E	42
388 874 R11	D	42
388 874 R11	E	42
388 875 R1	D	42
388 875 R1	E	42
388 877 R1	D	42
388 877 R1	E	42
388 880 R1	D	42
388 880 R1	E	42
388 889 R1	D	43
388 889 R1	E	42
388 990 R91	A	51
388 990 R91	B	56
388 990 R91	C	50
388 991 R91	A	51
388 991 R91	B	56
388 991 R91	C	50
389 014 R1	D	91
389 014 R1	E	89
389 015 R1	D	91
389 015 R1	E	89
389 250 R1	D	42
389 250 R1	D	46
389 250 R1	E	42
389 250 R1	E	46
389 251 R91	A	31
389 251 R91	A	41
389 251 R91	A	43
389 251 R91	A	45
389 251 R91	A	47
389 251 R91	A	57
389 251 R91	B	29
389 251 R91	B	39
389 251 R91	B	41
389 251 R91	B	43
389 251 R91	B	45
389 251 R91	B	53
389 251 R91	C	29
389 251 R91	C	35
389 251 R91	C	37
389 251 R91	C	39
389 251 R91	C	41
389 251 R91	C	47
389 251 R92	D	48
389 251 R92	D	50
389 251 R92	D	53
389 251 R92	D	55
389 251 R92	D	58
389 251 R92	D	60
389 251 R92	D	64
389 251 R92	D	73
389 251 R92	D	98
389 251 R92	E	48
389 251 R92	E	50
389 251 R92	E	53
389 251 R92	E	55
389 251 R92	E	58
389 251 R92	E	60
389 251 R92	E	64
389 251 R92	E	72
389 251 R92	F	40
389 251 R92	F	42
389 251 R92	F	45
389 251 R92	F	47
389 251 R92	F	50
389 251 R92	F	52
389 251 R92	F	56
389 251 R92	G	37
389 251 R92	G	42
389 251 R92	G	50
389 251 R92	J	46
389 251 R92	J	47
389 251 R92	J	57
389 251 R92	M	19
389 251 R92	M	30
389 252 R91	A	33
389 252 R91	A	57
389 252 R91	B	31
389 252 R91	B	53
389 252 R91	C	47
389 252 R92	D	45
389 252 R92	D	74
389 252 R92	E	45
389 252 R92	E	73
389 252 R92	H	20
389 252 R92	H	24
389 255 R1	A	57
389 255 R1	B	53
389 255 R1	C	47
389 255 R1	D	73
389 255 R1	D	74
389 255 R1	E	72
389 255 R1	E	73
389 255 R1	F	56
389 255 R1	G	50
389 255 R1	H	24
389 255 R1	J	57
389 255 R1	M	30
389 384 R91	D	68
389 384 R91	E	68
389 387 R91	D	68
389 387 R91	E	68
389 389 R91	D	42
389 389 R91	D	68
389 389 R91	E	42
389 389 R91	E	68
389 390 R1	D	68
389 390 R1	E	68
389 397 R91	D	69
389 397 R91	E	69
389 397 R92	D	42
389 397 R92	E	42
389 398 R1	D	69
389 398 R1	E	69
389 399 R1	D	69
389 399 R1	E	69
389 400 R1	D	69
389 400 R1	E	69
389 401 R1	D	69
389 401 R1	E	69
389 412 R1	A	37
389 412 R1	B	35
389 412 R91	A	33
389 412 R91	A	37
389 412 R91	B	31
389 412 R91	B	35
389 412 R91	D	32
389 412 R91	D	46
389 412 R91	E	32
389 412 R91	E	46
389 503 R1	D	42
389 503 R1	E	42
389 504 R91	D	42
389 504 R91	E	42
389 516 R11	D	42
389 516 R11	E	42
389 517 R11	D	42
389 517 R11	E	42
389 518 R11	A	33
389 518 R11	B	31
389 518 R11	D	46
389 518 R11	E	46
389 519 R11	A	33
389 519 R11	B	31
389 519 R11	D	46
389 519 R11	E	46
389 520 R1	A	33
389 520 R1	B	31
389 520 R1	D	46
389 520 R1	E	46
389 521 R11	A	33
389 521 R11	B	31
389 521 R11	D	46
389 521 R11	E	46
389 732 R1	J	14
389 732 R1	K	10
389 732 R1	P	9
389 771 R1	G	10
390 157 R91	N	14
390 554 R1	A	60
390 554 R1	B	56
390 554 R1	C	51
390 554 R1	D	91
390 554 R1	E	89
390 554 R1	F	69
390 894 R11	A	33
390 894 R11	B	31
390 894 R11	D	46
390 894 R11	E	46
390 897 R91	A	33
390 897 R91	B	31
390 897 R91	D	45
390 897 R91	E	45
390 898 R91	A	33
390 898 R91	B	31
390 898 R91	D	45
390 898 R91	E	45
390 901 R1	A	33
390 901 R1	B	31
390 901 R1	D	46
390 901 R1	E	46
390 903 R91	A	33
390 903 R91	B	31
390 903 R91	D	46
390 903 R91	E	46
390 904 R1	A	33
390 904 R1	B	31
390 904 R1	D	46
390 904 R1	E	46
390 905 R11	A	33
390 905 R11	B	31
390 905 R11	D	46
390 905 R11	E	46
390 906 R11	A	33
390 906 R11	B	31
390 906 R11	D	46
390 906 R11	E	46
390 908 R91	A	32
390 908 R91	B	30
390 908 R91	D	45
390 908 R91	E	45
391 005 R91	G	58
391 005 R91	J	62
391 005 R91	K	41
391 005 R91	M	33
391 216 R1	F	24
391 217 R1	F	24
391 251 R1	G	45
391 372 R91	D	21
391 372 R91	E	21
391 372 R91	F	18
391 376 R1	D	21
391 376 R1	E	21
391 376 R11	F	18
391 377 R1	D	21
391 377 R1	E	21
391 377 R1	F	18
391 378 R1	D	21
391 378 R1	E	21
391 378 R1	F	18
391 455 R1	A	37
391 455 R1	B	35
391 455 R1	D	32
391 455 R1	E	32
391 456 R1	A	37
391 456 R1	B	35
391 456 R1	D	32
391 456 R1	E	32
391 457 R1	A	37
391 457 R1	B	35
391 457 R1	D	32
391 457 R1	E	32
391 458 R1	A	37
391 458 R1	B	35
391 458 R1	D	32
391 458 R1	E	32
391 459 R91	A	37
391 459 R91	B	35
391 459 R91	D	32
391 459 R91	E	32
391 478 R2	D	48
391 478 R2	D	50
391 478 R2	D	59
391 478 R2	D	61
391 478 R2	E	48
391 478 R2	E	50
391 478 R2	E	59
391 478 R2	E	61
391 478 R2	F	42
391 478 R2	F	51
391 478 R2	F	53
391 710 R1	A	33
391 710 R1	B	31
391 710 R1	D	45
391 710 R1	E	45
391 807 R91	D	42
391 807 R91	E	42
391 880 R1	D	96
391 880 R1	E	94
391 978 R11	A	44
391 978 R11	A	48
391 978 R11	B	42
391 978 R11	B	46
391 978 R11	C	38
391 978 R11	C	42
391 979 R11	A	44
391 979 R11	A	48
391 979 R11	B	42
391 979 R11	B	46
391 979 R11	C	38
391 979 R11	C	42
391 980 R11	A	44
391 980 R11	A	48
391 980 R11	B	42
391 980 R11	B	46
391 980 R11	C	38
391 980 R11	C	42
391 981 R11	A	44
391 981 R11	A	48
391 981 R11	B	42
391 981 R11	B	46
391 981 R11	C	38
391 981 R11	C	42
391 998 R11	A	44
391 998 R11	A	47
391 998 R11	B	42
391 998 R11	B	45
391 998 R11	C	38
391 998 R11	C	41
391 998 R11	D	53
391 998 R11	D	55
391 998 R11	E	53
391 998 R11	E	55
391 998 R11	F	45
391 998 R11	F	47
392 064 R91	D	94
392 064 R91	E	92
392 064 R91	F	71
392 288 R1	D	96
392 288 R1	E	94
392 384 R1	F	31
392 553 R1	A	33
392 553 R1	B	31
392 594 R1	J	19
392 594 R1	K	16
392 916 R1	A	29
392 916 R1	B	27
392 916 R1	C	27
392 941 R91	A	29
392 941 R91	B	27
392 941 R91	C	27
392 941 R91	D	39
392 941 R91	E	39
392 941 R91	F	37
392 945 R91	A	29
392 945 R91	B	27
392 945 R91	C	27
392 945 R91	D	40
392 945 R91	E	40
392 945 R91	F	38
392 950 R92	G	56
392 950 R92	M	20
392 962 R11	A	29
392 962 R11	B	27

-13- BKH-1

NUMERICAL INDEX

NUMERICAL INDEX

-14- BKH-1

NUMERICAL INDEX

PART NUMBER	SEC	PG
392 962 R11	C	27
392 962 R11	D	40
392 962 R11	E	40
392 962 R11	F	38
392 962 R11	G	44
392 962 R11	H	22
392 962 R11	J	61
392 962 R11	K	40
392 962 R11	M	11
392 962 R11	P	21
392 963 R1	A	29
392 963 R1	B	27
392 963 R1	C	27
392 963 R1	D	40
392 963 R1	E	40
392 963 R1	F	38
392 963 R1	G	44
392 963 R1	H	22
392 963 R1	J	61
392 963 R1	K	40
392 963 R1	M	11
392 963 R1	P	21
392 964 R1	A	29
392 964 R1	B	27
392 964 R1	C	27
392 964 R1	D	40
392 964 R1	E	40
392 964 R1	F	38
392 964 R1	G	44
392 964 R1	H	22
392 964 R1	J	61
392 964 R1	K	40
392 964 R1	M	11
392 964 R1	P	21
392 968 R2	D	27
392 968 R2	D	28
392 968 R2	D	29
392 968 R2	E	27
392 968 R2	E	28
392 968 R2	E	29
392 968 R2	F	25
392 968 R2	F	26
392 968 R2	F	27
392 968 R2	G	24
392 968 R2	G	26
392 968 R2	G	27
392 968 R2	H	23
392 968 R2	J	30
392 968 R2	J	31
392 968 R2	J	32
392 968 R2	M	22
392 968 R2	P	13
392 969 R2	D	28
392 969 R2	E	28
392 969 R2	F	25
392 969 R2	G	26
392 969 R2	J	32
392 970 R1	D	27
392 970 R1	D	28
392 970 R1	D	29
392 970 R1	E	27
392 970 R1	E	28
392 970 R1	E	29
392 970 R1	F	25
392 970 R1	F	26
392 970 R1	F	27
392 970 R1	G	26
392 970 R1	G	27
392 970 R1	J	31
392 970 R1	J	32
392 970 R1	M	22
392 971 R1	D	28
392 971 R1	D	29
392 971 R1	E	28
392 971 R1	E	29
392 971 R1	F	25
392 971 R1	F	26
392 971 R1	F	27
392 971 R1	G	24
392 971 R1	G	26
392 971 R1	G	27
392 971 R1	H	23
392 971 R1	J	30
392 971 R1	J	31
392 971 R1	J	32
392 971 R1	M	22
392 971 R1	P	13
393 824 R1	A	16
393 824 R1	B	16
393 824 R1	C	15
393 824 R1	D	14
393 824 R1	D	57
393 824 R1	D	58
393 824 R1	D	60
393 824 R1	D	62
393 824 R1	E	14
393 824 R1	E	57
393 824 R1	E	58
393 824 R1	E	60
393 824 R1	E	62
393 824 R1	F	13
393 824 R1	F	49
393 824 R1	F	50
393 824 R1	F	52
393 824 R1	F	54
393 826 R91	A	60
393 826 R91	B	56
393 826 R91	D	91
393 826 R91	E	89
393 826 R91	F	69
394 311 R91	A	28
394 311 R91	B	26
394 311 R91	C	26
394 311 R91	D	39
394 311 R91	E	39
394 311 R91	F	37
394 311 R91	G	44
394 311 R91	H	22
394 311 R91	J	61
394 311 R91	K	40
394 311 R91	M	11
394 311 R91	P	21
394 312 R91	G	44
394 312 R91	J	61
394 312 R91	M	11
394 312 R91	P	21
394 418 R1	D	58
394 418 R1	D	61
394 418 R1	E	58
394 418 R1	E	61
394 418 R1	F	51
394 418 R1	F	53
394 420 R1	A	60
394 420 R1	B	57
394 420 R1	C	51
394 420 R1	D	94
394 420 R1	E	92
394 420 R1	F	71
394 439 R11	A	31
394 439 R11	C	29
394 439 R11	D	48
394 439 R11	D	50
394 439 R11	E	48
394 439 R11	E	50
394 439 R11	F	40
394 439 R11	F	42
394 653 R91	D	32
394 653 R91	E	32
394 654 R2	D	32
394 654 R2	E	32
394 655 R1	D	32
394 655 R1	E	32
394 705 R94	D	27
394 705 R94	D	28
394 705 R94	D	82
394 705 R94	E	27
394 705 R94	E	28
394 705 R94	E	80
394 705 R94	F	25
394 705 R94	F	64
394 705 R95	D	29
394 705 R95	E	29
394 705 R95	F	26
394 705 R95	F	27
394 705 R95	F	29
394 705 R95	G	24
394 705 R95	G	26
394 705 R95	G	27
394 705 R95	G	28
394 705 R95	H	15
394 705 R95	H	23
394 705 R95	J	32
394 705 R95	M	22
394 705 R96	J	30
394 705 R96	J	31
394 705 R96	J	55
394 705 R96	P	13
394 705 R96	P	18
394 707 R93	D	80
394 707 R93	D	82
394 707 R93	E	78
394 707 R93	E	80
394 707 R93	F	62
394 707 R93	F	64
394 710 R91	D	35
394 710 R91	D	48
394 710 R91	D	50
394 710 R91	D	65
394 710 R91	D	67
394 710 R91	E	35
394 710 R91	E	48
394 710 R91	E	50
394 710 R91	E	65
394 710 R91	E	67
394 710 R91	F	32
394 771 R92	J	62
394 771 R92	K	41
394 828 R1	D	46
394 828 R1	E	46
394 902 R91	D	98
394 902 R91	G	42
394 902 R91	M	19
395 006 R1	H	23
395 006 R2	D	29
395 006 R2	E	29
395 006 R2	F	26
395 006 R2	F	27
395 006 R2	G	27
395 006 R2	J	30
395 006 R2	J	31
395 006 R2	M	22
395 149 R1	D	37
395 149 R1	E	37
395 149 R1	F	34
395 149 R1	F	35
395 149 R1	G	40
395 149 R1	J	48
395 149 R1	J	49
395 149 R1	L	12
395 149 R1	N	12
395 149 R91	D	92
395 149 R91	E	90
395 149 R91	F	70
395 150 R91	D	92
395 150 R91	E	90
395 150 R91	F	70
395 150 R91	L	12
395 150 R91	N	12
395 151 R1	D	92
395 151 R1	E	90
395 151 R1	F	70
395 152 R91	D	92
395 152 R91	E	90
395 152 R91	F	70
395 277 R1	A	52
395 277 R1	B	48
395 277 R1	C	44
395 277 R1	D	80
395 277 R1	D	82
395 277 R1	E	78
395 277 R1	E	80
395 277 R1	F	62
395 277 R1	F	64
395 277 R1	G	28
395 277 R1	H	15
395 277 R1	J	55
395 277 R1	M	23
395 277 R1	P	18
395 278 R1	A	52
395 278 R1	B	48
395 278 R1	C	44
395 278 R1	D	80
395 278 R1	D	82
395 278 R1	E	78
395 278 R1	E	80
395 278 R1	F	62
395 278 R1	F	64
395 278 R1	G	28
395 278 R1	H	15
395 278 R1	J	55
395 278 R1	M	23
395 278 R1	P	18
395 781 R2	D	80
395 781 R2	D	82
395 781 R2	E	78
395 781 R2	E	80
395 781 R2	F	62
395 781 R2	F	64
395 781 R3	G	28
395 781 R3	H	15
395 781 R3	J	55
395 781 R3	M	23
395 781 R3	P	18
395 782 R1	D	82
395 782 R1	E	80
395 782 R1	F	64
395 782 R2	G	28
395 782 R2	H	15
395 782 R2	J	55
395 782 R2	M	23
395 782 R2	P	18
395 783 R1	D	80
395 783 R1	E	78
395 783 R1	F	62
395 950 R1	D	82
395 950 R1	E	80
395 950 R1	F	64
395 950 R1	G	28
395 950 R1	H	15
395 950 R1	J	55
395 950 R1	M	23
395 950 R1	P	18
396 545 R1	D	69
396 545 R1	E	69
396 729 R92	D	27
396 729 R92	D	28
396 729 R92	D	83
396 729 R92	E	27
396 729 R92	E	28
396 729 R92	E	81
396 729 R92	F	24
396 729 R92	F	25
396 729 R92	F	65
396 729 R92	J	30
396 729 R92	J	56
396 949 R1	D	86
396 949 R1	E	84
397 669 R1	D	78
397 669 R1	E	76
397 699 R1	D	27
397 699 R1	D	28
397 699 R1	D	29
397 699 R1	D	31
397 699 R1	E	27
397 699 R1	E	28
397 699 R1	E	29
397 699 R1	E	31
397 699 R1	F	24
397 699 R1	F	25
397 699 R1	F	26
397 699 R1	F	27
397 699 R1	F	29
397 699 R1	F	59
397 699 R1	G	24
397 699 R1	G	26
397 699 R1	G	27
397 699 R1	H	17
397 699 R1	H	23
397 699 R1	J	30
397 699 R1	J	32
397 699 R1	J	35
397 699 R1	J	37
397 699 R1	J	39
397 699 R1	M	22
397 702 R1	D	27
397 702 R1	E	27
397 702 R1	F	24

PRINTED IN UNITED STATES OF AMERICA

-15- BKH-1
NUMERICAL INDEX

PART NUMBER	SEC	PG
397 826 R91	G	45
398 978 R1	D	10
398 978 R1	E	10
398 978 R1	F	10
398 978 R1	G	10
398 978 R1	H	7
398 978 R1	J	13
398 978 R1	K	9
398 978 R1	K	11
398 978 R1	M	25
398 978 R1	P	8
399 573 R1	D	59
399 573 R1	D	61
399 573 R1	E	59
399 573 R1	E	61
399 573 R1	F	51
399 573 R1	F	53
399 575 R1	D	58
399 575 R1	D	60
399 575 R1	E	58
399 575 R1	E	60
399 575 R1	F	50
399 575 R1	F	52
399 576 R1	D	60
399 576 R1	D	62
399 576 R1	D	63
399 576 R1	E	60
399 576 R1	E	62
399 576 R1	E	63
399 576 R1	F	52
399 576 R1	F	54
399 579 R1	F	54
399 579 R2	D	62
399 579 R2	D	63
399 579 R2	E	62
399 579 R2	E	63
399 580 R1	D	60
399 580 R1	D	62
399 580 R1	E	60
399 580 R1	E	62
399 580 R1	F	52
399 580 R1	F	54
399 581 R1	D	60
399 581 R1	D	62
399 581 R1	D	63
399 581 R1	E	60
399 581 R1	E	62
399 581 R1	E	63
399 581 R1	F	52
399 581 R1	F	54
399 582 R1	D	60
399 582 R1	D	62
399 582 R1	D	63
399 582 R1	E	60
399 582 R1	E	62
399 582 R1	E	63
399 582 R1	F	52
399 582 R1	F	54
399 584 R1	D	57
399 584 R1	D	62
399 584 R1	D	63
399 584 R1	E	57
399 584 R1	E	62
399 584 R1	E	63
399 584 R1	F	49
399 584 R1	F	54
399 586 R1	D	60
399 586 R1	D	62
399 586 R1	D	63
399 586 R1	E	60
399 586 R1	E	62
399 586 R1	E	63
399 586 R1	F	52
399 586 R1	F	54
399 588 R1	D	58
399 588 R1	D	61
399 588 R1	E	58
399 588 R1	E	61
399 588 R1	F	50
399 588 R1	F	53
399 590 R1	D	58
399 590 R1	D	61
399 590 R1	E	58
399 590 R1	E	61
399 590 R1	F	50
399 590 R1	F	53
399 707 R91	F	9
399 707 R91	F	10
399 707 R91	F	11
399 707 R93	J	9
399 707 R93	J	13
399 707 R93	P	6
399 707 R93	P	8
399 708 R91	F	11
399 711 R1	F	11
399 711 R1	J	14
399 711 R1	K	10
399 711 R1	K	11
399 711 R1	P	9
399 713 R11	F	11
399 714 R1	F	10
399 715 R1	F	10
399 715 R1	J	13
399 715 R1	P	8
399 716 R2	F	10
399 716 R2	J	13
399 716 R2	P	8
399 717 R1	F	10
399 717 R1	J	13
399 717 R1	K	9
399 717 R1	P	8
399 718 R1	F	11
399 719 R1	F	11
399 719 R1	J	14
399 719 R1	K	9
399 719 R1	P	9
399 720 R1	F	11
399 721 R1	F	10
400 433 R91	D	76
400 433 R91	D	79
400 433 R91	D	98
400 433 R91	E	73
400 433 R91	E	77
400 433 R91	F	56
400 433 R91	F	61
400 433 R91	M	27
400 433 R91	M	28
400 433 R92	G	42
400 433 R92	G	47
400 433 R92	G	48
400 433 R92	J	41
400 433 R92	J	50
400 433 R92	J	51
400 433 R92	J	59
400 433 R92	K	33
400 433 R92	K	38
400 433 R92	M	19
400 433 R92	P	16
400 433 R92	P	17
400 433 R92	P	19
400 502 R1	D	48
400 502 R1	D	50
400 502 R1	E	48
400 502 R1	E	50
400 502 R1	F	42
400 656 R92	F	11
400 656 R94	J	15
400 656 R94	P	9
400 659 R1	D	76
400 659 R1	E	73
400 659 R1	F	56
400 659 R1	J	59
400 664 R1	D	76
400 664 R1	E	73
400 664 R1	F	56
400 664 R1	G	47
400 664 R1	J	59
400 664 R1	K	38
400 664 R1	M	27
400 664 R1	P	19
400 744 R1	G	10
400 745 R1	D	10
400 745 R1	G	10
400 745 R1	M	25
400 990 R91	M	34
401 168 R1	D	48
401 168 R1	E	48
401 168 R1	F	40
401 414 R2	D	43
401 414 R2	E	43
402 211 R1	D	71
402 211 R1	G	49
402 211 R1	M	29
402 796 R1	J	53
402 796 R1	J	54
402 796 R1	K	34
402 796 R1	K	35
402 796 R1	K	36
402 987 R91	G	57
402 987 R91	M	21
403 304 R1	D	63
403 304 R1	E	63
403 305 R1	D	63
403 305 R1	E	63
403 306 R1	D	63
403 306 R1	E	63
403 460 R1	D	10
403 460 R1	G	10
403 460 R1	M	25
403 519 R1	D	73
403 519 R1	D	74
403 519 R1	E	71
403 519 R1	E	72
403 519 R1	E	73
403 519 R1	F	56
403 519 R1	G	50
403 519 R1	H	24
403 519 R1	J	57
403 519 R1	M	30
403 616 R92	G	45
403 622 R1	D	10
403 622 R1	G	10
403 622 R1	M	25
403 844 R1	G	10
404 491 R91	D	73
404 491 R91	E	71
404 493 C1	M	35
404 987 R1	D	11
404 987 R1	M	26
404 987 R2	G	11
404 993 R1	D	10
404 993 R1	G	10
404 993 R1	M	25
405 222 R1	G	56
405 222 R1	M	20
406 010 C1	M	34
406 181 R1	D	80
406 181 R1	D	82
406 181 R1	E	78
406 181 R1	E	80
406 181 R1	F	62
406 181 R1	F	64
406 181 R1	G	28
406 181 R1	H	15
406 181 R1	J	55
406 181 R1	M	23
406 181 R1	P	18
406 185 R1	D	83
406 185 R1	E	81
406 185 R1	F	65
406 185 R1	G	44
406 185 R1	H	25
406 185 R1	J	56
406 185 R1	M	24
406 491 R91	G	12
406 794 R1	F	29
406 794 R1	J	35
406 794 R1	J	39
406 794 R1	J	41
406 794 R1	K	24
406 794 R1	P	16
406 794 R91	F	27
406 825 R1	D	82
406 825 R1	E	80
406 825 R1	F	64
406 825 R1	G	28
406 825 R1	H	15
406 825 R1	J	55
406 825 R1	M	23
406 825 R1	P	18
406 941 R91	D	11
406 941 R91	M	26
408 217 C1	M	34
408 224 C1	M	34
415 087 C91	M	35
415 089 C1	M	34
415 182 C91	M	35
419 372 C1	M	35
427 312 R91	G	42
427 312 R91	M	19
432 420	F	23
432 420	G	21
432 420	J	25
432 420	P	11
432 539	A	52
432 539	D	80
432 539	E	78
432 539	F	62
432 571	F	23
432 571	G	21
432 571	J	25
432 571	P	11
432 644	J	63
437 609 C1	M	34
441 092 C1	M	35
444 044	A	42
444 044	A	46
444 044	B	40
444 044	B	44
444 044	C	36
444 044	C	40
444 044	D	51
444 044	D	52
444 044	E	51
444 044	E	52
444 044	F	43
444 044	F	44
444 045	D	92
444 045	E	90
444 045	F	70
444 153	A	40
444 153	B	38
444 172	A	51
444 172	B	56
444 172	C	50
444 375	D	57
444 375	D	62
444 375	E	57
444 375	E	62
444 375	F	49
444 375	F	54
444 588	K	28
444 630	A	40
444 630	B	38
444 667	D	36
444 667	E	36
444 667	F	33
444 697	D	27
444 697	D	28
444 697	D	29
444 697	D	48
444 697	D	50
444 697	E	27
444 697	E	28
444 697	E	29
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444 697	F	24
444 697	F	25
444 697	F	26
444 697	F	40
444 697	F	42
444 697	G	26
444 697	J	32
444 702	A	31
444 702	B	29
444 702	C	29
444 702	D	48
444 702	D	50
444 702	E	48
444 702	E	50
444 702	F	40
444 702	F	42
444 709	G	24
444 709	H	23
444 709	J	30

PART NUMBER	SEC	PG
445 078	A	40
445 078	B	38
445 078	C	34
445 078	D	72
445 078	E	71
445 078	F	55
445 090	K	40
445 097	J	60
445 097	M	10
445 097	P	20
455 490	A	59
455 490	B	55
455 490	C	49
455 490	D	89
455 490	E	87
455 490	F	68
455 490	H	26
455 490	K	41
455 957 R91	A	26
455 957 R91	B	24
455 957 R91	C	24
455 958 R11	A	26
455 958 R11	B	24
455 958 R11	C	24
457 665 R1	K	31
459 063 R1	A	25
459 063 R1	B	23
459 063 R1	C	23
459 063 R1	G	23
459 063 R1	M	13
459 456 R91	M	34
468 256 R1	D	63
468 256 R1	E	63
468 270 R91	A	7
468 270 R93	D	7
468 277 R1	D	8
468 277 R1	E	9
468 277 R1	F	8
468 277 R1	H	6
468 277 R1	P	6
468 279 R1	P	6
468 280 R1	A	7
468 280 R1	A	21
468 280 R1	A	24
468 280 R1	B	7
468 280 R1	B	22
468 280 R1	C	7
468 280 R1	C	22
468 280 R1	D	7
468 280 R1	D	11
468 280 R1	E	7
468 280 R1	E	10
468 280 R1	F	7
468 280 R1	F	11
468 280 R1	G	7
468 280 R1	G	11
468 280 R1	H	4
468 280 R1	H	7
468 280 R1	J	9
468 280 R1	J	14
468 280 R1	K	6
468 280 R1	K	9
468 280 R1	K	10
468 280 R1	M	5
468 280 R1	M	26
468 280 R1	P	6
468 280 R1	P	9
468 281 R1	A	8
468 281 R1	B	8
468 281 R1	C	8
468 281 R1	D	8
468 281 R1	E	9
468 281 R1	F	8
468 281 R1	H	6
468 282 R1	A	7
468 282 R1	B	7
468 282 R1	C	7
468 282 R1	D	7
468 282 R1	E	7
468 282 R1	F	7
468 282 R1	H	4
468 283 R1	A	6
468 283 R1	A	7
468 283 R1	A	11
468 283 R1	A	16
468 283 R1	B	5
468 283 R1	B	7
468 283 R1	B	11
468 283 R1	B	16
468 283 R1	C	6
468 283 R1	C	7
468 283 R1	C	11
468 283 R1	C	16
468 283 R1	D	6
468 283 R1	D	7
468 283 R1	D	17
468 283 R1	D	19
468 283 R1	E	6
468 283 R1	E	7
468 283 R1	E	17
468 283 R1	E	19
468 283 R1	F	6
468 283 R1	F	7
468 283 R1	F	16
468 283 R1	G	3
468 283 R1	G	5
468 283 R1	G	7
468 283 R1	H	3
468 283 R1	H	4
468 283 R1	J	3
468 283 R1	J	5
468 283 R1	J	8
468 283 R1	K	3
468 283 R1	K	6
468 283 R1	M	3
468 283 R1	M	5
468 283 R1	P	3
468 283 R1	P	5
468 284 R1	A	7
468 284 R1	B	7
468 284 R1	C	7
468 284 R3	D	7
468 284 R3	E	7
468 284 R3	F	7
468 284 R3	G	7
468 284 R3	H	4
468 284 R3	J	8
468 284 R3	K	6
468 284 R3	M	5
468 284 R3	P	5
468 285 R1	A	7
468 285 R1	B	7
468 285 R1	C	7
468 285 R2	D	7
468 285 R2	E	7
468 285 R2	F	7
468 285 R2	G	7
468 285 R2	H	4
468 285 R2	M	5
468 287 R1	A	7
468 287 R1	B	7
468 287 R1	C	7
468 287 R1	D	7
468 287 R1	E	7
468 287 R1	F	7
468 287 R1	H	4
468 287 R1	M	5
468 287 R2	G	7
468 287 R2	J	8
468 287 R2	P	5
468 288 R1	A	7
468 288 R1	B	7
468 288 R1	C	7
468 288 R1	D	7
468 288 R1	E	7
468 288 R1	F	7
468 288 R1	H	4
468 289 R1	A	7
468 289 R1	B	7
468 289 R1	C	7
468 289 R1	D	7
468 289 R1	E	7
468 289 R1	F	7
468 289 R1	G	7
468 289 R1	H	4
468 289 R1	M	5
468 310 R1	A	8
468 310 R1	B	8
468 310 R1	C	8
468 310 R1	D	8
468 310 R1	E	8
468 310 R1	F	8
468 310 R1	G	8
468 310 R1	H	5
468 310 R1	J	8
468 310 R1	M	6
468 310 R1	P	5
468 312 R1	A	8
468 312 R1	B	8
468 312 R1	C	8
468 312 R1	D	8
468 312 R1	E	8
468 312 R1	F	8
468 312 R1	G	8
468 312 R1	H	6
468 312 R1	J	8
468 312 R1	M	6
468 312 R1	P	5
468 313 R1	A	8
468 313 R1	B	8
468 313 R1	C	8
468 313 R1	D	8
468 313 R1	E	8
468 313 R1	F	8
468 313 R1	G	8
468 313 R1	H	5
468 313 R1	J	8
468 313 R1	M	6
468 313 R1	P	5
468 314 R1	A	8
468 314 R1	B	8
468 314 R1	C	8
468 314 R1	D	8
468 314 R1	E	8
468 314 R1	F	8
468 314 R1	G	8
468 314 R1	H	5
468 314 R1	J	9
468 314 R1	K	7
468 314 R1	M	6
468 314 R1	P	6
468 316 R1	D	9
468 316 R1	E	9
468 316 R1	F	9
468 316 R1	G	9
468 316 R1	H	6
468 316 R1	J	9
468 316 R1	M	7
468 316 R1	P	6
468 329 R11	A	29
468 329 R11	B	27
468 329 R11	C	27
468 330 R1	A	29
468 330 R1	B	27
468 330 R1	C	27
468 330 R1	D	39
468 330 R1	E	39
468 330 R1	F	37
468 332 R1	A	29
468 332 R1	B	27
468 332 R1	C	27
468 332 R1	D	40
468 332 R1	E	40
468 332 R1	F	38
468 332 R1	G	43
468 332 R1	H	21
468 332 R1	J	60
468 332 R1	M	10
468 332 R1	P	20
468 333 R2	A	29
468 333 R2	B	27
468 333 R2	C	27
468 333 R2	D	40
468 333 R2	E	40
468 333 R2	F	38
468 334 R91	A	29
468 334 R91	B	27
468 334 R91	C	27
468 334 R91	D	40
468 334 R91	E	40
468 334 R91	F	38
468 334 R91	G	44
468 334 R91	H	22
468 334 R91	J	61
468 334 R91	M	11
468 334 R91	P	21
468 335 R1	A	29
468 335 R1	B	27
468 335 R1	C	27
468 335 R1	D	40
468 335 R1	E	40
468 335 R1	F	38
468 335 R1	G	44
468 335 R1	H	22
468 335 R1	J	61
468 335 R1	M	11
468 335 R1	P	21
468 336 R1	A	29
468 336 R1	B	27
468 336 R1	C	27
468 336 R1	D	39
468 336 R1	E	39
468 336 R1	F	37
468 336 R1	G	44
468 336 R1	H	22
468 336 R1	J	61
468 336 R1	M	11
468 336 R1	P	21
468 337 R1	A	29
468 337 R1	B	27
468 337 R1	C	27
468 337 R1	D	39
468 337 R1	E	39
468 337 R1	F	37
468 337 R1	G	43
468 337 R1	H	21
468 337 R1	J	60
468 337 R1	L	14
468 337 R1	M	10
468 337 R1	N	14
468 337 R1	P	20
468 338 R1	A	29
468 338 R1	B	27
468 338 R1	C	27
468 338 R1	D	40
468 338 R1	E	40
468 338 R1	F	38
468 339 R1	A	29
468 339 R1	B	27
468 339 R1	C	27
468 339 R1	D	40
468 339 R1	E	40
468 339 R1	F	11
468 339 R1	F	38
468 339 R1	G	44
468 339 R1	H	22
468 339 R1	J	61
468 339 R1	M	11
468 339 R1	P	21
468 340 R1	A	28
468 340 R1	B	27
468 340 R1	C	26
468 340 R1	D	39
468 340 R1	E	39
468 340 R1	F	11
468 340 R1	F	37
468 340 R1	G	44
468 340 R1	H	22
468 340 R1	J	61
468 340 R1	M	11
468 340 R1	P	21
468 341 R1	A	28
468 341 R1	B	26
468 341 R1	C	26
468 343 R1	A	28
468 343 R1	B	26
468 343 R1	C	26
468 343 R1	D	39
468 343 R1	E	39
468 343 R1	F	37
468 345 R1	A	28
468 345 R1	B	26
468 345 R1	C	26
468 345 R1	D	39
468 345 R1	E	39
468 345 R1	F	37

NUMERICAL INDEX

-17- BKH-1

NUMERICAL INDEX

PART NUMBER	SEC	PG
468 346 R1	J	60
468 353 R92	A	8
468 353 R92	B	8
468 353 R94	D	8
468 353 R94	E	8
468 353 R94	G	8
468 364 R1	G	9
468 364 R1	J	9
468 364 R1	M	7
468 364 R1	P	6
468 366 R1	A	7
468 366 R1	A	21
468 366 R1	A	24
468 366 R1	A	29
468 366 R1	B	7
468 366 R1	B	22
468 366 R1	B	27
468 366 R1	C	7
468 366 R1	C	22
468 366 R1	C	27
468 366 R1	D	7
468 366 R1	D	11
468 366 R1	D	40
468 366 R1	E	7
468 366 R1	E	10
468 366 R1	E	40
468 366 R1	F	7
468 366 R1	F	11
468 366 R1	F	38
468 366 R1	G	7
468 366 R1	G	11
468 366 R1	G	43
468 366 R1	H	4
468 366 R1	H	7
468 366 R1	H	21
468 366 R1	J	9
468 366 R1	J	14
468 366 R1	K	9
468 366 R1	K	11
468 366 R1	M	5
468 366 R1	M	10
468 366 R1	M	26
468 366 R1	P	9
468 366 R1	P	20
468 367 R1	A	8
468 367 R1	B	8
468 367 R1	C	8
468 367 R1	D	8
468 367 R1	E	8
468 367 R1	F	8
468 367 R1	G	7
468 367 R1	H	5
468 367 R1	J	7
468 367 R1	P	4
468 368 R1	A	8
468 368 R1	B	8
468 368 R1	C	8
468 368 R1	D	8
468 368 R1	E	8
468 368 R1	F	8
468 368 R1	G	8
468 368 R1	H	5
468 368 R1	J	7
468 368 R1	M	6
468 368 R1	P	4
468 369 R1	A	8
468 369 R1	B	8
468 369 R1	C	8
468 369 R1	D	8
468 369 R1	E	8
468 369 R1	F	8
468 369 R1	G	7
468 369 R1	H	5
468 369 R1	J	7
468 369 R1	M	6
468 369 R1	P	4
468 370 R1	A	29
468 370 R1	B	27
468 370 R1	C	27
468 370 R1	D	40
468 370 R1	E	40
468 370 R1	F	38
468 370 R1	G	44
468 370 R1	H	22
468 370 R1	J	61
468 370 R1	M	11
468 370 R1	P	21
468 371 R1	A	8
468 371 R1	B	8
468 371 R1	C	8
468 371 R1	D	8
468 371 R1	E	8
468 371 R1	F	8
468 371 R1	G	7
468 371 R1	H	5
468 371 R1	J	7
468 371 R1	K	6
468 371 R1	M	5
468 371 R1	P	4
468 372 R93	A	5
468 372 R93	B	5
468 372 R93	C	5
468 373 R2	A	6
468 373 R2	B	6
468 373 R2	C	6
468 378 R1	A	6
468 378 R1	B	6
468 378 R1	C	6
468 378 R1	D	6
468 378 R1	E	6
468 378 R1	F	6
468 380 R1	A	6
468 380 R1	B	6
468 380 R1	C	6
468 380 R1	D	6
468 380 R1	E	6
468 380 R1	F	6
468 385 R1	G	3
468 385 R1	H	3
468 385 R1	J	5
468 385 R1	P	3
468 386 R1	G	3
468 386 R1	H	3
468 386 R1	J	5
468 386 R1	P	3
468 387 R1	G	3
468 387 R1	H	3
468 387 R1	J	5
468 387 R1	P	3
468 388 R1	A	5
468 388 R2	B	5
468 388 R2	C	5
468 388 R2	D	5
468 388 R2	E	5
468 388 R2	F	5
468 388 R2	G	5
468 388 R2	J	3
468 388 R2	M	3
468 389 R11	A	5
468 389 R11	B	5
468 389 R11	C	5
468 389 R21	D	5
468 389 R21	E	5
468 389 R21	F	5
468 392 R11	A	6
468 392 R11	B	6
468 392 R11	C	6
468 392 R11	D	6
468 392 R11	E	6
468 392 R11	F	6
468 392 R11	G	3
468 392 R11	G	5
468 392 R11	H	3
468 392 R11	J	4
468 392 R11	J	5
468 392 R11	K	3
468 392 R11	M	3
468 392 R11	P	3
468 396 R11	A	26
468 396 R11	B	24
468 396 R11	C	24
468 635 R1	A	6
468 635 R1	B	6
468 635 R1	C	6
468 635 R2	D	6
468 635 R2	E	6
468 635 R2	F	6
468 635 R2	G	3
468 635 R2	G	5
468 635 R2	H	3
468 635 R2	J	3
468 635 R2	J	5
468 635 R2	M	3
468 635 R2	P	3
468 636 R1	A	6
468 636 R1	B	6
468 636 R1	C	6
468 636 R1	D	6
468 636 R1	E	6
468 636 R1	F	6
468 636 R1	G	3
468 636 R1	G	5
468 636 R1	H	3
468 636 R1	J	4
468 636 R1	J	5
468 636 R1	K	3
468 636 R1	M	3
468 636 R1	P	3
468 637 R1	A	6
468 637 R1	B	6
468 637 R1	C	6
468 637 R1	D	6
468 637 R1	E	6
468 637 R1	F	6
468 637 R1	G	3
468 637 R1	G	5
468 637 R1	H	3
468 637 R1	J	4
468 637 R1	J	5
468 637 R1	M	3
468 637 R1	P	3
468 638 R1	A	6
468 638 R1	B	5
468 638 R1	C	6
468 638 R2	D	6
468 638 R2	E	6
468 638 R2	F	6
468 638 R2	G	3
468 638 R2	G	5
468 638 R2	H	3
468 638 R2	J	3
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468 638 R2	M	3
468 638 R2	P	3
468 639 R1	A	5
468 639 R1	B	5
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468 639 R1	D	5
468 639 R1	E	5
468 639 R1	F	5
468 655 R12	A	6
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468 655 R12	C	6
468 655 R14	D	6
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468 655 R14	G	3
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468 655 R14	M	3
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468 656 R12	A	6
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468 656 R12	C	6
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468 705 R91	A	26
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468 708 R1	A	26
468 708 R1	B	24
468 708 R1	C	24
468 708 R1	J	17
468 708 R1	K	14
468 708 R1	K	16
468 709 R91	A	26
468 709 R91	B	24
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468 710 R91	A	26
468 710 R91	B	24
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468 713 R91	A	26
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468 714 R91	B	24
468 714 R91	C	24
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468 717 R91	C	24
468 718 R91	A	5
468 718 R91	C	5
468 719 R91	A	6
468 719 R91	C	6
468 733 R1	A	8
468 733 R1	B	8
468 733 R1	C	8
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468 733 R1	F	8
468 733 R1	G	8
468 733 R1	H	5
468 733 R1	J	9
468 733 R1	K	6
468 733 R1	M	6
468 733 R1	P	6
468 734 R1	A	13
468 734 R1	B	13
468 734 R1	C	13
468 735 R1	A	25
468 735 R1	B	23
468 735 R1	C	23
468 736 R1	A	26
468 736 R1	B	24
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468 737 R1	A	26
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468 737 R1	C	24
468 738 R1	A	26
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468 739 R1	B	23
468 739 R1	C	23
468 741 R1	A	25
468 741 R1	B	23
468 741 R1	C	23
468 742 R1	A	26
468 742 R1	B	24
468 742 R1	C	24
468 743 R1	A	26
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468 743 R1	C	24
468 758 R1	A	8
468 758 R1	B	8
468 758 R1	C	8
468 758 R1	D	8
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468 758 R1	F	8
468 758 R1	G	8
468 758 R1	H	5
468 758 R1	J	8
468 758 R1	M	6
468 758 R1	P	5
468 764 R1	A	8
468 764 R1	B	8
468 764 R1	C	8
468 764 R1	D	8
468 764 R1	E	8
468 764 R1	F	8
468 764 R1	G	8
468 764 R1	H	5
468 764 R1	J	8
468 764 R1	M	6
468 764 R1	P	5
468 770 R1	A	8
468 770 R1	B	8
468 770 R1	C	8
468 770 R1	D	8
468 770 R1	E	8

PRINTED IN UNITED STATES OF AMERICA

PART NUMBER	SEC	PG
468 770 R1	F	8
468 770 R1	G	8
468 770 R1	H	5
468 770 R1	J	8
468 770 R1	K	7
468 770 R1	M	6
468 770 R1	P	5
468 962 R91	A	14
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468 962 R91	C	13
468 963 R11	A	11
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468 963 R11	C	11
468 963 R11	C	12
468 963 R11	C	18
468 968 R1	A	14
468 968 R1	B	14
468 968 R1	C	13
468 969 R1	A	14
468 969 R1	B	14
468 969 R1	C	13
468 972 R13	A	28
468 972 R13	B	26
468 972 R13	C	26
469 079 R1	A	29
469 079 R1	B	27
469 079 R1	C	27
469 079 R1	D	39
469 079 R1	E	39
469 079 R1	F	37
469 084 R1	A	16
469 084 R1	B	16
469 086 R11	A	16
469 086 R11	B	16
469 086 R11	C	15
469 086 R11	D	14
469 086 R11	E	14
469 086 R11	F	13
469 103 R91	A	6
469 103 R91	B	6
469 103 R91	C	6
469 103 R91	D	6
469 103 R91	E	6
469 103 R91	F	6
469 103 R92	G	4
469 103 R92	G	6
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469 103 R92	J	4
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469 103 R92	K	3
469 103 R92	M	4
469 103 R92	P	3
469 104 R91	A	6
469 104 R91	B	6
469 104 R91	C	6
469 104 R91	D	6
469 104 R91	E	6
469 104 R91	F	6
469 104 R92	G	4
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469 104 R92	H	3
469 104 R92	J	4
469 104 R92	J	6
469 104 R92	K	3
469 104 R92	M	4
469 104 R92	P	3
469 108 R2	A	6
469 108 R2	B	6
469 108 R2	C	6
469 108 R2	D	6
469 108 R2	E	6
469 108 R2	F	6
469 118 R1	A	5
469 118 R1	B	5
469 118 R1	C	5
469 118 R1	D	5
469 118 R1	E	5
469 118 R1	F	5
469 119 R91	D	22
469 119 R91	E	22
469 119 R91	F	19
469 119 R91	G	15
469 119 R91	J	26
469 119 R91	M	14
469 119 R91	P	12
469 120 R91	A	13
469 120 R91	B	13
469 120 R91	C	13
469 120 R91	D	22
469 120 R91	E	22
469 120 R91	F	19
469 120 R91	G	15
469 120 R91	J	26
469 120 R91	M	14
469 120 R91	P	12
469 121 R91	A	13
469 121 R91	B	13
469 121 R91	C	13
469 121 R91	D	22
469 121 R91	E	22
469 121 R91	F	19
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469 121 R91	J	26
469 121 R91	M	14
469 121 R91	P	12
469 122 R91	A	13
469 122 R91	B	13
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469 122 R91	D	22
469 122 R91	E	22
469 122 R91	F	19
469 122 R91	G	15
469 122 R91	J	26
469 122 R91	M	14
469 122 R91	P	12
469 123 R11	A	13
469 123 R11	B	13
469 123 R11	C	13
469 123 R11	D	22
469 123 R11	E	22
469 123 R11	F	19
469 123 R11	G	15
469 123 R11	J	26
469 123 R11	M	14
469 123 R11	P	12
469 124 R11	A	14
469 124 R11	B	14
469 124 R11	C	13
469 124 R11	D	22
469 124 R11	E	22
469 124 R11	F	19
469 124 R11	G	15
469 124 R11	J	26
469 124 R11	M	14
469 124 R11	P	12
469 125 R1	A	13
469 125 R1	B	13
469 125 R1	C	13
469 125 R1	D	22
469 125 R1	E	22
469 125 R1	F	19
469 125 R1	G	15
469 125 R1	J	26
469 125 R1	M	14
469 125 R1	P	12
469 158 R1	A	26
469 159 R1	A	26
469 181 R11	A	9
469 181 R11	A	14
469 181 R11	A	16
469 181 R11	B	9
469 181 R11	B	14
469 181 R11	B	16
469 181 R11	C	9
469 181 R11	C	16
469 181 R11	D	12
469 181 R11	D	17
469 181 R11	E	12
469 181 R11	E	17
469 181 R11	F	12
469 181 R11	F	16
469 182 R11	A	16
469 182 R11	B	16
469 182 R11	C	16
469 182 R11	D	17
469 182 R11	E	17
469 182 R11	F	16
469 183 R11	A	16
469 183 R11	B	16
469 183 R11	C	16
469 183 R11	D	17
469 183 R11	E	17
469 183 R11	F	16
469 189 R1	A	10
469 189 R1	A	14
469 189 R1	A	16
469 189 R1	B	10
469 189 R1	B	14
469 189 R1	B	16
469 189 R1	C	16
469 189 R1	D	13
469 189 R1	D	16
469 189 R1	D	17
469 189 R1	D	19
469 189 R1	E	13
469 189 R1	E	16
469 189 R1	E	17
469 189 R1	E	19
469 189 R1	F	15
469 189 R1	F	16
469 189 R1	G	13
469 189 R1	H	9
469 189 R1	J	11
469 195 R1	A	16
469 195 R1	B	16
469 195 R1	C	15
469 195 R1	D	14
469 195 R1	E	14
469 195 R1	F	13
469 261 R91	A	13
469 261 R91	B	13
469 261 R91	C	13
469 264 R11	A	13
469 264 R11	B	13
469 264 R11	C	13
469 267 R11	A	13
469 267 R11	B	13
469 549 R1	A	9
469 549 R1	A	16
469 549 R1	B	9
469 549 R1	B	16
469 549 R1	C	9
469 549 R1	C	16
469 549 R1	D	12
469 549 R1	D	17
469 549 R1	E	12
469 549 R1	E	17
469 549 R1	F	12
469 549 R1	F	16
469 633 R1	G	9
469 633 R1	M	6
469 652 R1	A	59
469 652 R1	B	55
469 652 R1	C	49
469 653 R1	A	59
469 653 R1	B	55
469 653 R1	C	49
469 654 R1	A	59
469 654 R1	B	55
469 654 R1	C	49
469 655 R1	A	59
469 655 R1	B	55
469 655 R1	C	49
469 656 R1	A	59
469 656 R1	B	55
469 656 R1	C	49
469 656 R1	D	88
469 656 R1	E	86
469 656 R1	F	68
469 656 R1	G	54
469 656 R1	H	26
469 656 R1	J	64
469 657 R1	A	59
469 657 R1	B	55
469 657 R1	C	49
469 657 R1	D	88
469 657 R1	E	86
469 657 R1	F	68
469 657 R1	G	54
469 657 R1	H	26
469 657 R1	J	64
469 663 R1	H	6
469 663 R1	J	8
469 663 R1	P	5
469 727 R11	A	35
469 727 R11	B	33
469 727 R11	C	31
469 728 R91	A	35
469 728 R91	B	33
469 728 R91	C	31
469 729 R11	A	35
469 729 R11	B	33
469 729 R11	C	31
469 730 R91	A	33
469 730 R91	A	35
469 730 R91	A	57
469 730 R91	B	31
469 730 R91	B	33
469 730 R91	B	53
469 730 R91	C	31
469 730 R91	C	47
469 730 R91	D	45
469 730 R91	D	74
469 730 R91	E	45
469 730 R91	E	73
469 731 R91	A	35
469 731 R91	A	41
469 731 R91	A	43
469 731 R91	A	45
469 731 R91	A	47
469 731 R91	B	33
469 731 R91	B	39
469 731 R91	B	41
469 731 R91	B	43
469 731 R91	B	45
469 731 R91	C	31
469 731 R91	C	35
469 731 R91	C	37
469 731 R91	C	39
469 731 R91	C	41
469 731 R91	D	45
469 731 R91	E	45
469 732 R91	A	35
469 732 R91	B	33
469 732 R91	C	31
469 735 R11	A	35
469 735 R11	B	33
469 735 R11	C	31
469 736 R1	A	20
469 736 R1	A	35
469 736 R1	B	20
469 736 R1	B	33
469 736 R1	C	20
469 736 R1	C	31
469 762 R11	A	35
469 762 R11	B	32
469 762 R11	C	30
469 763 R11	A	35
469 763 R11	B	32
469 763 R11	C	30
469 782 R3	A	42
469 782 R3	A	44
469 782 R3	B	40
469 782 R3	B	42
469 782 R3	C	36
469 782 R3	C	38
469 782 R3	D	52
469 782 R3	D	54
469 782 R3	E	52
469 782 R3	E	54
469 782 R3	F	44
469 782 R3	F	46
469 783 R11	A	42
469 783 R11	A	46
469 783 R11	A	48
469 783 R11	B	40
469 783 R11	B	46
469 783 R11	C	42
469 783 R11	D	51
469 783 R11	D	52
469 783 R11	D	55
469 783 R11	E	51

NUMERICAL INDEX

-19- BKH-1

NUMERICAL INDEX

PART NUMBER	SEC	PG
469 783 R11	E	52
469 783 R11	E	55
469 783 R11	F	43
469 783 R11	F	44
469 783 R11	F	47
469 783 R21	A	44
469 783 R21	B	42
469 783 R21	B	44
469 783 R21	C	36
469 783 R21	C	38
469 783 R21	C	40
469 783 R21	D	54
469 783 R21	E	54
469 783 R21	F	46
469 785 R1	A	31
469 785 R1	A	33
469 785 R1	A	37
469 785 R1	A	38
469 785 R1	A	42
469 785 R1	A	44
469 785 R1	A	46
469 785 R1	A	48
469 785 R1	B	29
469 785 R1	B	31
469 785 R1	B	35
469 785 R1	B	36
469 785 R1	B	40
469 785 R1	B	42
469 785 R1	B	44
469 785 R1	B	46
469 785 R1	C	29
469 785 R1	C	32
469 785 R1	C	34
469 785 R1	C	36
469 785 R1	C	38
469 785 R1	C	40
469 785 R1	C	42
469 785 R1	D	45
469 785 R1	E	45
469 902 R1	A	35
469 905 R91	A	35
469 905 R91	B	33
469 905 R91	C	31
469 905 R91	D	38
469 905 R91	E	38
469 905 R91	F	36
469 924 R1	A	26
469 924 R1	B	24
469 924 R1	C	24
469 925 R1	A	26
469 925 R1	B	24
469 925 R1	C	24
469 979 R11	A	20
469 979 R11	B	20
469 979 R11	C	20
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469 980 R11	B	20
469 980 R11	C	20
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469 982 R11	C	20
469 983 R11	A	20
469 983 R11	B	20
469 983 R11	C	20
469 984 R11	A	20
469 984 R11	B	20
469 984 R11	C	20
469 985 R11	A	19
469 985 R11	B	19
469 985 R11	C	19
469 986 R11	A	19
469 986 R11	B	19
469 986 R11	C	19
469 987 R11	A	19
469 987 R11	B	19
469 987 R11	C	19
469 988 R11	A	19
469 988 R11	B	19
469 988 R11	C	19
469 989 R11	A	19
469 989 R11	B	19
469 989 R11	C	19
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469 990 R11	B	20
469 990 R11	C	20
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469 991 R11	B	19
469 991 R11	C	19
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469 992 R11	B	20
469 992 R11	C	20
469 993 R11	A	20
469 993 R11	B	20
469 993 R11	C	20
469 994 R11	A	19
469 994 R11	B	19
469 994 R11	C	19
469 995 R11	A	20
469 995 R11	B	20
469 995 R11	C	20
469 996 R1	A	20
469 996 R1	A	31
469 996 R1	B	20
469 996 R1	B	29
469 996 R1	C	20
469 996 R1	C	29
469 996 R1	D	48
469 996 R1	D	50
469 996 R1	E	48
469 996 R1	E	50
469 996 R1	F	40
469 996 R1	F	42
469 997 R1	A	19
469 997 R1	B	19
469 997 R1	C	19
469 998 R1	A	27
469 998 R1	B	25
469 998 R1	C	25
469 998 R1	D	33
469 998 R1	E	33
469 998 R1	F	30
469 998 R1	G	35
469 998 R1	H	18
469 998 R1	J	33
469 998 R1	M	17
469 998 R1	P	14
469 999 R1	A	20
469 999 R1	B	20
469 999 R1	C	20
470 240 R1	L	5
470 240 R1	N	5
470 242 R1	A	8
470 242 R1	B	8
470 242 R1	C	8
470 242 R1	D	8
470 242 R1	E	8
470 242 R1	F	8
470 242 R1	G	8
470 242 R1	H	5
470 242 R1	L	5
470 242 R1	N	5
470 244 R1	A	20
470 244 R1	B	20
470 244 R1	C	20
470 245 R1	A	19
470 245 R1	A	33
470 245 R1	B	19
470 245 R1	B	31
470 245 R1	C	19
470 245 R1	D	46
470 245 R1	D	48
470 245 R1	D	50
470 245 R1	E	46
470 245 R1	E	48
470 245 R1	E	50
470 245 R1	F	40
470 245 R1	F	42
470 246 R91	A	31
470 246 R91	A	36
470 246 R91	B	29
470 246 R91	B	34
470 246 R91	C	29
470 246 R91	C	33
470 246 R91	D	35
470 246 R91	D	48
470 246 R91	D	50
470 246 R91	D	65
470 246 R91	D	67
470 246 R91	E	35
470 246 R91	E	48
470 246 R91	E	50
470 246 R91	E	65
470 246 R91	E	67
470 246 R91	F	32
470 247 R91	A	36
470 247 R91	B	34
470 247 R91	C	33
470 248 R11	A	36
470 248 R11	B	34
470 248 R11	C	33
470 249 R11	A	36
470 249 R11	B	34
470 249 R11	C	33
470 249 R11	D	35
470 249 R11	E	35
470 249 R11	F	32
470 250 R1	A	36
470 250 R1	A	38
470 250 R1	B	34
470 250 R1	B	36
470 250 R1	C	32
470 250 R1	C	33
470 252 R91	A	27
470 252 R91	B	25
470 252 R91	D	33
470 252 R91	M	17
470 253 R91	A	27
470 253 R91	B	25
470 253 R91	C	25
470 255 R91	A	27
470 255 R91	B	25
470 255 R91	C	25
470 256 R91	A	27
470 256 R91	B	25
470 256 R91	C	25
470 256 R91	D	33
470 256 R91	E	33
470 256 R91	F	30
470 256 R91	G	35
470 256 R91	H	18
470 256 R91	J	33
470 256 R91	M	17
470 256 R91	P	14
470 258 R91	A	59
470 258 R91	B	55
470 258 R91	C	49
470 259 R91	A	59
470 259 R91	B	55
470 259 R91	C	49
470 440 R91	A	14
470 440 R91	B	14
470 440 R91	C	14
470 441 R91	A	14
470 441 R91	B	14
470 441 R91	C	14
470 442 R91	A	14
470 442 R91	B	14
470 442 R91	C	14
470 443 R91	A	14
470 443 R91	B	14
470 443 R91	C	14
470 453 R1	A	33
470 453 R1	B	31
470 453 R1	D	45
470 453 R1	E	45
470 454 R91	A	35
470 454 R91	A	38
470 454 R91	B	36
470 454 R91	C	32
470 455 R11	A	9
470 455 R11	A	16
470 455 R11	B	9
470 455 R11	B	16
470 455 R11	C	9
470 455 R11	C	16
470 455 R11	D	12
470 455 R11	D	17
470 455 R11	E	12
470 455 R11	E	17
470 455 R11	F	12
470 455 R11	F	16
470 459 R1	A	5
470 459 R1	B	5
470 459 R1	C	5
470 459 R1	D	5
470 459 R1	E	6
470 459 R1	F	5
470 459 R1	G	3
470 459 R1	G	5
470 459 R1	H	3
470 459 R1	J	3
470 459 R1	J	5
470 459 R1	M	3
470 460 R21	J	4
470 460 R21	K	3
470 464 R1	J	4
470 471 R1	A	28
470 471 R1	B	26
470 471 R1	C	26
470 471 R1	D	39
470 471 R1	E	39
470 471 R1	F	37
470 474 R11	A	8
470 474 R11	B	8
470 474 R11	D	8
470 474 R11	E	8
470 474 R11	G	7
470 474 R11	M	5
470 475 R11	A	8
470 475 R11	B	8
470 475 R11	D	8
470 475 R11	E	8
470 475 R11	G	8
470 475 R11	M	6
470 583 R1	A	42
470 583 R1	A	44
470 583 R1	A	45
470 583 R1	A	48
470 583 R1	B	40
470 583 R1	B	42
470 583 R1	B	43
470 583 R1	B	46
470 583 R1	C	36
470 583 R1	C	38
470 583 R1	C	39
470 583 R1	C	42
470 583 R1	D	51
470 583 R1	D	52
470 583 R1	D	53
470 583 R1	D	55
470 583 R1	D	57
470 583 R1	D	58
470 583 R1	D	60
470 583 R1	D	62
470 583 R1	D	63
470 583 R1	E	51
470 583 R1	E	52
470 583 R1	E	53
470 583 R1	E	55
470 583 R1	E	57
470 583 R1	E	58
470 583 R1	E	60
470 583 R1	E	62
470 583 R1	E	63
470 583 R1	F	43
470 583 R1	F	44
470 583 R1	F	45
470 583 R1	F	47
470 583 R1	F	49
470 583 R1	F	50
470 583 R1	F	52
470 583 R1	F	54
470 584 R1	A	42
470 584 R1	A	44
470 584 R1	A	45
470 584 R1	A	48
470 584 R1	B	40
470 584 R1	B	42
470 584 R1	B	43
470 584 R1	B	46
470 584 R1	C	36
470 584 R1	C	38
470 584 R1	C	39

NUMERICAL INDEX

PART NUMBER	SEC	PG
470 584 R1	C	42
470 584 R1	D	51
470 584 R1	D	52
470 584 R1	D	53
470 584 R1	D	55
470 584 R1	D	57
470 584 R1	D	58
470 584 R1	D	60
470 584 R1	D	62
470 584 R1	D	63
470 584 R1	E	51
470 584 R1	E	52
470 584 R1	E	53
470 584 R1	E	55
470 584 R1	E	57
470 584 R1	E	58
470 584 R1	E	60
470 584 R1	E	62
470 584 R1	E	63
470 584 R1	F	43
470 584 R1	F	44
470 584 R1	F	45
470 584 R1	F	47
470 584 R1	F	49
470 584 R1	F	50
470 584 R1	F	52
470 584 R1	F	54
470 585 R1	A	42
470 585 R1	A	44
470 585 R1	A	45
470 585 R1	A	48
470 585 R1	B	40
470 585 R1	B	42
470 585 R1	B	43
470 585 R1	B	46
470 585 R1	C	36
470 585 R1	C	38
470 585 R1	C	39
470 585 R1	C	42
470 585 R1	D	51
470 585 R1	D	52
470 585 R1	D	53
470 585 R1	D	55
470 585 R1	D	57
470 585 R1	D	58
470 585 R1	D	60
470 585 R1	D	62
470 585 R1	D	63
470 585 R1	E	51
470 585 R1	E	52
470 585 R1	E	53
470 585 R1	E	55
470 585 R1	E	57
470 585 R1	E	58
470 585 R1	E	60
470 585 R1	E	62
470 585 R1	E	63
470 585 R1	F	43
470 585 R1	F	44
470 585 R1	F	45
470 585 R1	F	47
470 585 R1	F	49
470 585 R1	F	50
470 585 R1	F	52
470 585 R1	F	54
470 585 R1	J	54
470 585 R1	K	34
470 603 R1	A	37
470 603 R1	B	35
470 603 R1	C	34
470 603 R1	D	35
470 603 R1	E	35
470 603 R3	F	32
470 605 R2	A	35
470 605 R2	A	39
470 605 R2	B	33
470 605 R2	B	37
470 605 R2	C	31
470 606 R1	A	35
470 606 R1	A	39
470 606 R1	B	33
470 606 R1	B	37
470 606 R1	C	31
470 776 R91	A	20
470 776 R91	A	54
470 776 R91	B	20
470 776 R91	B	50
470 776 R91	C	20
470 776 R91	C	46
470 816 R91	D	51
470 816 R91	D	52
470 816 R91	E	51
470 816 R91	E	52
470 816 R91	F	43
470 816 R91	F	44
470 818 R91	A	42
470 818 R91	A	46
470 818 R91	B	40
470 818 R91	B	44
470 818 R91	C	36
470 818 R91	C	40
470 845 R91	A	35
470 845 R91	B	33
470 845 R91	C	31
470 961 R11	A	20
470 961 R11	B	20
470 961 R11	C	20
470 976 R1	A	33
470 976 R1	B	31
470 976 R1	D	61
470 976 R1	D	64
470 976 R1	E	64
471 116 R11	A	42
471 116 R11	A	44
471 116 R11	B	40
471 116 R11	B	42
471 116 R11	C	36
471 116 R11	C	38
471 116 R11	D	52
471 116 R11	D	54
471 116 R11	E	52
471 116 R11	E	54
471 116 R11	F	44
471 116 R11	F	46
471 133 R92	A	38
471 133 R92	A	40
471 133 R92	B	36
471 133 R92	B	38
471 133 R92	C	32
471 133 R92	C	34
471 133 R92	D	36
471 133 R92	D	72
471 133 R92	E	36
471 133 R92	E	71
471 133 R92	F	33
471 133 R92	F	55
471 140 R1	A	29
471 140 R1	B	27
471 140 R1	C	27
471 140 R1	D	40
471 140 R1	E	40
471 140 R1	F	38
471 140 R1	G	43
471 140 R1	H	21
471 140 R1	J	60
471 140 R1	M	10
471 140 R1	P	20
471 145 R11	A	14
471 145 R11	B	14
471 145 R11	C	14
471 147 R94	C	51
471 161 R1	A	60
471 161 R1	B	56
471 161 R1	C	51
471 161 R1	D	91
471 161 R1	E	89
471 161 R1	F	69
471 265 R1	A	16
471 265 R1	B	16
471 265 R1	C	15
471 265 R1	D	14
471 265 R1	E	14
471 265 R1	F	13
471 266 R92	A	22
471 266 R92	A	24
471 266 R92	B	22
471 266 R92	C	22
471 266 R95	D	11
471 266 R95	E	11
471 266 R95	F	11
471 266 R95	H	8
471 266 R95	M	26
471 266 R96	G	12
471 266 R96	J	15
471 267 R91	A	22
471 267 R91	A	24
471 267 R91	B	22
471 267 R91	C	22
471 267 R94	D	11
471 267 R94	E	11
471 267 R94	F	11
471 267 R94	H	8
471 267 R94	M	26
471 267 R95	G	11
471 267 R95	J	15
471 267 R95	P	9
471 370 R1	L	13
471 370 R1	N	13
471 402 R1	G	3
471 402 R1	H	3
471 402 R1	J	5
471 402 R1	P	3
471 403 R1	A	54
471 403 R1	B	50
471 403 R1	C	46
471 404 R1	A	54
471 404 R1	B	50
471 404 R1	C	46
471 407 R1	A	54
471 407 R1	B	50
471 407 R1	C	46
471 408 R1	A	54
471 408 R1	B	50
471 408 R1	C	46
471 409 R1	A	54
471 409 R1	B	50
471 409 R1	C	46
471 410 R1	A	54
471 410 R1	B	50
471 410 R1	C	46
471 521 R91	A	20
471 521 R91	B	20
471 521 R91	C	20
471 531 R1	A	26
471 531 R1	B	24
471 531 R1	C	24
471 532 R1	A	26
471 532 R1	B	24
471 532 R1	C	24
471 547 R1	A	8
471 547 R1	B	8
471 547 R1	C	8
471 547 R1	D	8
471 547 R1	E	8
471 547 R1	F	8
471 547 R1	G	8
471 547 R1	H	5
471 555 R1	A	58
471 555 R1	B	54
471 555 R1	C	50
471 555 R1	D	90
471 555 R1	E	88
471 555 R1	F	69
471 632 R1	A	40
471 632 R1	B	38
471 632 R1	C	34
471 632 R1	D	72
471 632 R1	E	71
471 632 R1	F	55
471 633 R1	A	40
471 633 R1	B	38
471 633 R1	C	34
471 633 R1	D	72
471 633 R1	E	71
471 633 R1	F	55
471 634 R1	A	40
471 634 R1	B	38
471 634 R1	C	34
471 634 R1	D	72
471 634 R1	E	71
471 634 R1	F	55
471 922 R91	A	27
471 922 R91	B	25
471 922 R91	C	25
471 923 R91	A	27
471 923 R91	B	25
471 923 R91	C	25
471 932 R11	A	27
471 932 R11	B	25
471 932 R11	C	25
471 961 R1	J	8
471 961 R1	P	5
472 086 R91	A	60
472 086 R91	B	56
472 086 R91	C	51
472 086 R91	D	91
472 086 R91	E	89
472 086 R91	F	69
472 724 R91	A	11
472 724 R91	B	11
472 724 R91	C	11
472 725 R91	A	11
472 725 R91	B	11
472 725 R91	C	11
472 731 R91	A	11
472 731 R91	B	11
472 731 R91	C	11
472 733 R1	A	11
472 733 R1	B	11
472 733 R1	C	11
472 736 R1	A	11
472 736 R1	B	11
472 736 R1	C	11
472 737 R91	A	11
472 737 R91	A	12
472 737 R91	B	11
472 737 R91	B	12
472 737 R91	C	11
472 737 R91	C	12
472 744 R2	A	11
472 744 R2	A	12
472 744 R2	B	11
472 744 R2	B	12
472 744 R2	C	11
472 744 R2	C	12
472 745 R92	A	11
472 745 R92	A	12
472 745 R92	B	11
472 745 R92	B	12
472 745 R92	C	11
472 745 R92	C	12
472 752 R11	A	38
472 752 R11	B	36
472 752 R11	C	32
472 753 R1	A	38
472 753 R1	B	36
472 753 R1	C	32
472 754 R11	A	38
472 754 R11	B	36
472 754 R11	C	32
472 755 R1	A	38
472 755 R1	B	36
472 755 R1	C	32
472 756 R91	A	37
472 756 R91	A	38
472 756 R91	B	35
472 756 R91	B	36
472 756 R91	C	32
472 756 R91	C	34
472 757 R91	A	37
472 757 R91	A	38
472 757 R91	B	35
472 757 R91	B	36
472 757 R91	C	32
472 757 R91	C	34
472 778 R91	C	8
472 778 R93	F	8
472 778 R93	H	5
472 781 R11	C	8
472 781 R11	F	8
472 781 R11	H	5
472 782 R11	C	8
472 782 R11	F	8
472 782 R11	H	5
472 783 R91	B	7
472 783 R91	C	7

-20- BKH-1

NUMERICAL INDEX

NUMERICAL INDEX

PART NUMBER	SEC	PG
472 783 R94	E	7
472 783 R94	F	7
472 783 R94	H	4
472 789 R91	C	25
472 789 R91	D	33
472 789 R91	E	33
472 789 R91	F	30
472 789 R91	H	18
472 789 R91	J	33
472 789 R91	P	14
472 975 R1	A	8
472 975 R1	B	8
472 975 R1	C	8
472 975 R1	D	8
472 975 R1	E	8
472 975 R1	F	8
472 975 R1	G	8
472 975 R1	H	5
472 975 R1	J	8
472 975 R1	M	6
472 975 R1	P	5
473 003 R91	A	60
473 004 R91	C	52
473 047 R11	A	36
473 048 R11	A	36
473 510 R91	A	39
473 510 R91	B	37
473 512 R1	A	39
473 512 R1	B	37
473 651 R91	A	6
473 651 R91	B	6
473 651 R91	C	6
473 651 R92	D	6
473 651 R92	E	6
473 651 R92	F	5
473 651 R93	G	5
473 651 R93	M	3
474 187 R1	A	38
474 187 R1	B	36
474 187 R1	C	32
474 257 R91	B	57
474 284 R11	A	24
474 284 R11	B	22
474 284 R11	C	22
474 284 R11	D	9
474 284 R11	E	9
474 284 R11	F	9
474 284 R11	G	9
474 284 R11	H	6
474 284 R11	M	6
474 285 R11	A	24
474 285 R11	B	22
474 285 R11	C	22
474 285 R11	D	9
474 285 R11	E	9
474 285 R11	F	9
474 285 R11	G	9
474 285 R11	H	6
474 285 R11	J	8
474 285 R11	M	7
474 285 R11	P	5
474 286 R11	A	24
474 286 R11	B	22
474 286 R11	C	22
474 286 R11	D	9
474 286 R11	E	9
474 286 R11	F	9
474 286 R11	G	9
474 286 R11	H	6
474 286 R11	J	8
474 286 R11	M	7
474 286 R11	P	5
474 287 R11	A	24
474 287 R11	B	22
474 287 R11	C	22
474 288 R11	A	24
474 288 R11	B	22
474 288 R11	C	22
474 289 R11	C	22
474 469 R1	A	39
474 469 R1	B	37
474 477 R11	A	35
474 477 R11	B	33
474 477 R11	C	31
474 477 R11	D	38
474 477 R11	E	38
474 477 R11	F	36
474 478 R1	A	35
474 478 R1	B	33
474 478 R1	C	31
474 478 R1	D	38
474 478 R1	D	66
474 478 R1	D	68
474 478 R1	E	38
474 478 R1	E	66
474 478 R1	E	68
474 478 R1	F	36
474 605 R1	A	39
474 605 R1	B	37
474 606 R91	A	14
474 606 R91	B	14
474 607 R91	A	14
474 607 R91	B	14
474 612 R1	A	10
474 612 R1	A	15
474 612 R1	B	10
474 612 R1	B	15
474 612 R1	C	14
474 612 R1	D	13
474 612 R1	E	13
474 612 R1	F	13
474 616 R11	A	35
474 617 R1	A	39
474 617 R1	B	37
474 618 R11	A	39
474 618 R11	B	37
474 620 R11	A	39
474 620 R11	B	37
474 622 R11	A	40
474 622 R11	B	38
474 623 R91	A	39
474 623 R91	B	37
474 625 R11	A	40
474 625 R11	B	38
474 626 R1	A	40
474 626 R1	B	38
474 661 R91	A	39
474 661 R91	B	37
475 186 R91	A	35
475 186 R91	B	33
475 186 R91	C	31
475 186 R91	D	38
475 186 R91	E	38
475 186 R91	F	36
475 187 R11	A	35
475 187 R11	B	33
475 187 R11	C	31
475 187 R11	D	38
475 187 R11	E	38
475 187 R11	F	36
475 427 R91	A	12
475 427 R91	B	12
475 427 R91	C	12
475 428 R91	A	12
475 428 R91	B	12
475 428 R91	C	12
475 431 R1	A	12
475 431 R1	B	12
475 431 R1	C	12
476 838 R91	A	18
476 838 R91	B	18
476 838 R91	C	18
476 838 R91	D	21
476 838 R91	E	21
476 838 R91	F	18
476 840 R1	A	18
476 840 R1	B	18
476 840 R1	C	18
476 840 R1	D	21
476 840 R1	E	21
476 840 R1	F	18
476 903 R91	A	15
476 903 R91	B	15
476 903 R91	C	15
476 905 R2	A	15
476 905 R2	B	15
476 905 R2	C	14
476 905 R2	C	15
476 905 R2	D	22
476 905 R2	E	22
476 905 R2	F	19
476 922 R91	A	15
476 922 R91	B	15
476 922 R91	C	14
476 962 R1	A	18
476 962 R1	B	18
476 962 R1	C	18
476 962 R1	D	21
476 962 R1	E	21
476 962 R1	F	18
477 547 R1	D	24
477 547 R1	D	26
477 547 R1	E	24
477 547 R1	E	26
477 547 R1	F	21
477 554 R1	D	24
477 554 R1	D	26
477 554 R1	E	24
477 554 R1	E	26
477 554 R1	F	21
477 554 R1	F	23
477 554 R1	G	18
477 554 R1	G	21
477 554 R1	G	23
477 554 R1	H	13
477 554 R1	J	17
477 554 R1	J	20
477 554 R1	J	25
477 554 R1	M	13
477 554 R1	P	11
477 567 R1	A	15
477 567 R1	B	15
477 567 R1	C	14
477 567 R1	C	15
477 567 R1	D	22
477 567 R1	E	22
477 567 R1	F	19
477 567 R1	G	14
477 567 R1	G	15
477 567 R1	H	10
477 567 R1	J	26
477 567 R1	J	27
477 567 R1	M	14
477 567 R1	P	12
477 880 R91	D	48
477 880 R91	D	50
477 880 R91	E	48
477 880 R91	E	50
477 880 R91	F	40
477 880 R91	F	42
477 881 R91	D	93
477 881 R91	E	91
477 881 R91	F	70
478 275 R1	K	31
478 885 R1	A	35
478 885 R1	B	33
478 885 R1	C	31
478 885 R1	D	38
478 885 R1	E	38
478 885 R3	D	66
478 885 R3	D	68
478 885 R3	E	66
478 885 R3	E	68
478 885 R3	F	36
478 886 R1	A	35
478 886 R1	B	33
478 886 R1	C	31
478 886 R1	D	38
478 886 R1	D	66
478 886 R1	D	68
478 886 R1	E	38
478 886 R1	E	66
478 886 R1	E	68
478 886 R1	F	36
478 887 R91	A	35
478 887 R91	A	58
478 887 R91	B	33
478 887 R91	B	54
478 887 R91	C	31
478 887 R91	C	48
478 887 R91	D	38
478 887 R91	D	66
478 887 R91	D	68
478 887 R91	D	72
478 887 R91	E	38
478 887 R91	E	66
478 887 R91	E	68
478 887 R91	E	72
478 887 R91	F	36
478 887 R91	F	55
479 026 R11	A	9
479 026 R11	B	9
479 026 R11	C	9
479 026 R11	D	12
479 026 R11	E	12
479 026 R11	F	12
479 027 R11	A	10
479 027 R11	B	10
479 027 R11	C	10
479 027 R11	D	13
479 027 R11	E	13
479 027 R11	F	13
479 028 R91	A	9
479 028 R91	B	9
479 028 R91	C	9
479 028 R91	D	12
479 028 R91	E	12
479 028 R91	F	12
479 029 R91	A	10
479 029 R91	B	10
479 029 R91	C	10
479 029 R91	D	13
479 029 R91	E	13
479 029 R91	F	13
479 033 R1	A	10
479 033 R1	B	10
479 033 R1	C	10
479 033 R1	D	13
479 033 R1	E	13
479 033 R1	F	13
479 034 R1	A	9
479 034 R1	B	9
479 034 R1	C	9
479 034 R1	D	12
479 034 R1	E	12
479 034 R1	F	12
479 035 R1	A	10
479 035 R1	B	10
479 035 R1	C	10
479 035 R1	D	13
479 035 R1	E	13
479 035 R1	F	13
479 036 R1	A	10
479 036 R1	B	10
479 036 R1	C	10
479 036 R1	D	13
479 036 R1	E	13
479 036 R1	F	13
479 037 R1	A	9
479 037 R1	B	9
479 037 R1	C	9
479 037 R1	D	12
479 037 R1	E	12
479 037 R1	F	12
479 038 R1	A	10
479 038 R1	B	10
479 038 R1	C	10
479 038 R1	D	13
479 038 R1	E	13
479 038 R1	F	13
479 039 R1	A	9
479 039 R1	B	9
479 039 R1	C	9
479 039 R1	D	12
479 039 R1	E	12
479 039 R1	F	12
479 040 R1	A	10
479 040 R1	B	10
479 040 R1	C	10
479 040 R1	D	13
479 040 R1	E	13
479 040 R1	F	13
479 041 R1	A	10
479 041 R1	B	10
479 041 R1	C	10
479 041 R1	D	13

-21- BKH-1

NUMERICAL INDEX

PART NUMBER	SEC	PG
479 041 R1	E	13
479 041 R1	F	13
479 042 R1	A	10
479 042 R1	B	10
479 042 R1	C	10
479 042 R1	D	13
479 042 R1	E	13
479 042 R1	F	13
479 043 R1	A	9
479 043 R1	B	9
479 043 R1	C	9
479 043 R1	D	12
479 043 R1	E	12
479 043 R1	F	12
479 044 R1	A	10
479 044 R1	B	10
479 044 R1	C	10
479 044 R1	D	13
479 044 R1	E	13
479 044 R1	F	13
479 098 R91	A	15
479 098 R91	B	15
479 098 R91	C	14
479 100 R1	A	15
479 100 R1	B	15
479 100 R1	C	14
479 101 R1	A	15
479 101 R1	B	15
479 101 R1	C	14
479 102 R1	A	15
479 102 R1	B	15
479 102 R1	C	14
479 103 R1	A	15
479 103 R1	B	15
479 103 R1	C	14
479 104 R1	A	15
479 104 R1	B	15
479 104 R1	C	14
479 105 R1	A	15
479 105 R1	B	15
479 105 R1	C	14
479 278 R1	G	11
479 358 R91	A	36
479 358 R91	B	34
479 358 R91	C	33
479 358 R91	D	35
479 358 R91	D	65
479 358 R91	D	67
479 358 R91	E	35
479 358 R91	E	65
479 358 R91	E	67
479 358 R91	F	32
479 670 R1	G	43
479 670 R1	H	21
479 670 R1	J	60
479 670 R1	M	10
479 670 R1	P	20
479 811 R11	A	46
479 811 R11	A	48
479 811 R11	B	44
479 811 R11	B	46
479 811 R11	C	40
479 811 R11	C	42
479 905 R2	A	15
480 574 R91	A	10
480 574 R91	B	10
480 575 R91	A	10
480 575 R91	B	10
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480 706 R1	C	29
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480 708 R91	C	18
480 708 R93	D	21
480 708 R93	E	21
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480 715 R91	B	18
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480 715 R93	E	21
480 715 R93	F	18
480 721 R91	A	18
480 721 R91	B	18
480 721 R91	C	18
480 721 R91	D	21
480 721 R91	E	21
480 721 R91	F	18
480 724 R11	A	33
480 724 R11	B	31
480 724 R11	D	45
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480 725 R91	B	18
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480 731 R91	B	18
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480 746 R91	A	51
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480 805 R1	D	8
480 805 R1	E	8
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480 805 R1	G	8
480 805 R1	H	5
480 901 R1	D	97
480 901 R1	G	41
480 901 R1	M	18
480 962 R11	A	33
480 962 R11	B	31
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480 962 R11	E	45
480 963 R11	A	33
480 963 R11	B	31
480 963 R11	D	45
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480 964 R1	A	33
480 964 R1	B	31
480 964 R1	D	45
480 964 R1	E	45
480 965 R1	A	33
480 965 R1	B	31
480 966 R1	A	10
480 966 R1	B	10
480 966 R1	D	96
480 966 R1	E	94
480 975 R91	B	29
480 976 R11	A	31
480 976 R11	B	29
480 976 R11	C	29
480 978 R11	A	31
480 978 R11	B	29
480 978 R11	C	29
480 978 R11	D	48
480 978 R11	E	48
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480 982 R11	E	50
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480 983 R91	B	29
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481 076 R1	A	18
481 076 R1	B	18
481 076 R1	C	18
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481 076 R1	F	18
481 352 R1	A	19
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481 352 R1	E	30
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481 352 R1	G	29
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481 352 R1	G	33
481 352 R1	H	16
481 352 R1	J	35
481 352 R1	J	37
481 352 R1	J	38
481 352 R1	J	40
481 352 R1	K	24
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481 616 R91	A	10
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481 621 R1	A	10
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481 633 R1	D	21
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481 633 R1	F	18
481 641 R91	D	33
481 641 R91	E	33
481 641 R91	F	30
481 641 R91	G	35
481 641 R91	H	18
481 641 R91	J	33
481 641 R91	K	7
481 641 R91	M	17
481 641 R91	P	14
481 642 R21	D	31
481 642 R21	E	31
481 642 R21	F	29
481 642 R21	G	30
481 642 R21	G	34
481 642 R21	H	16
481 642 R21	J	39
481 642 R21	M	16
481 643 R21	D	31
481 643 R21	E	31
481 643 R21	F	29
481 643 R21	G	30
481 643 R21	G	34
481 643 R21	H	17
481 643 R21	J	39
481 643 R21	M	16
481 646 R21	D	31
481 646 R21	E	31
481 646 R21	F	29

NUMERICAL INDEX

PART NUMBER	SEC	PG
481 646 R21	G	30
481 646 R21	G	34
481 646 R21	H	17
481 646 R21	J	39
481 646 R21	M	16
481 647 R21	D	30
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481 647 R21	F	28
481 647 R21	G	29
481 647 R21	G	33
481 647 R21	H	16
481 647 R21	J	38
481 647 R21	M	15
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481 648 R21	E	31
481 648 R21	F	29
481 648 R21	G	29
481 648 R21	G	33
481 648 R21	H	16
481 648 R21	J	38
481 648 R21	M	15
481 649 R21	D	31
481 649 R21	E	31
481 649 R21	F	29
481 649 R21	G	30
481 649 R21	G	34
481 649 R21	H	17
481 649 R21	J	39
481 649 R21	M	16
481 651 R21	D	31
481 651 R21	E	31
481 651 R21	F	29
481 651 R21	G	30
481 651 R21	G	34
481 651 R21	H	17
481 651 R21	J	39
481 651 R21	M	16
481 652 R21	D	31
481 652 R21	E	31
481 652 R21	F	29
481 652 R21	G	30
481 652 R21	G	34
481 652 R21	H	17
481 652 R21	J	39
481 652 R21	M	16
481 655 R21	D	31
481 655 R21	E	31
481 655 R21	F	29
481 655 R21	G	30
481 655 R21	G	34
481 655 R21	H	17
481 655 R21	J	39
481 655 R21	M	16
481 657 R11	D	31
481 657 R11	E	31
481 657 R11	F	29
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481 657 R11	M	16
481 658 R93	D	24
481 658 R93	E	24
481 658 R93	F	21
481 658 R93	G	17
481 658 R93	G	23
481 658 R93	H	12
481 658 R93	J	22
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481 659 R92	D	24
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481 659 R93	G	17
481 659 R93	G	23
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481 663 R1	D	24
481 663 R1	E	24
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481 663 R1	G	17
481 663 R1	G	23
481 663 R1	H	12
481 663 R1	J	22
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481 664 R1	D	24
481 664 R1	D	26
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481 664 R1	F	23
481 664 R1	G	19
481 664 R1	G	21
481 664 R1	G	23
481 664 R1	H	14
481 664 R1	J	21
481 664 R1	J	25
481 664 R1	M	13
481 664 R1	P	11
481 666 R1	D	24
481 666 R1	D	26
481 666 R1	E	24
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481 667 R91	D	24
481 667 R91	D	26
481 667 R91	E	24
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481 667 R91	G	18
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481 667 R91	G	23
481 667 R91	H	13
481 667 R91	J	20
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481 667 R91	P	11
481 670 R91	D	24
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481 675 R91	G	23
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481 684 R1	J	20
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481 685 R1	G	17
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481 686 R1	G	17
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481 686 R11	D	24
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481 694 R1	P	5
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481 694 R11	J	8
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481 697 R91	D	33
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481 697 R91	F	30
481 697 R91	G	35
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481 697 R91	M	17
481 698 R93	D	33
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481 698 R93	J	33
481 698 R93	M	17
481 698 R93	P	14
481 699 R11	D	33
481 699 R11	E	33
481 699 R11	F	30
481 699 R11	G	35
481 699 R11	H	18
481 699 R11	M	17
481 700 R93	D	33
481 700 R93	E	33
481 700 R93	F	30
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481 700 R93	H	18
481 700 R93	J	33
481 700 R93	M	17
481 700 R93	P	14
481 701 R91	A	59
481 701 R91	B	55
481 701 R91	C	49
481 701 R91	D	88
481 701 R91	E	86
481 701 R91	F	68
481 701 R91	H	26
481 702 R91	A	59
481 702 R91	B	55
481 702 R91	C	49
481 725 R1	A	31
481 725 R1	B	29
481 725 R1	C	29
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481 726 R1	C	29
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481 726 R1	E	50
481 732 R11	A	31
481 732 R11	B	29
481 732 R11	C	29
481 732 R11	D	48
481 732 R11	D	50
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481 732 R11	F	42
481 733 R91	D	89
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481 733 R91	F	68
481 733 R91	G	54
481 733 R91	H	26
481 733 R91	J	64
481 734 R91	D	89
481 734 R91	E	87
481 734 R91	F	68
481 734 R91	G	54
481 734 R91	H	26
481 734 R91	J	64
481 735 R91	D	89
481 735 R91	E	87
481 735 R91	F	68
481 735 R91	G	54
481 735 R91	H	26
481 735 R91	J	64
481 736 R91	D	89
481 736 R91	E	87
481 736 R91	F	68
481 736 R91	G	54
481 736 R91	G	58
481 736 R91	H	26
481 736 R91	J	64
481 736 R91	M	33
481 737 R91	D	89
481 737 R91	E	87
481 737 R91	F	69

-23- BKH-1

NUMERICAL INDEX

NUMERICAL INDEX

-24- BKH-1

NUMERICAL INDEX

PART NUMBER	SEC	PG
481 737 R91	G	52
481 737 R91	G	54
481 737 R91	H	26
481 737 R91	J	64
481 737 R91	J	65
481 761 R91	D	35
481 761 R91	E	35
481 761 R91	F	32
481 762 R91	D	45
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481 766 R1	M	19
481 766 R1	P	16
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481 767 R1	B	27
481 767 R1	C	27
481 767 R1	D	39
481 767 R1	E	39
481 767 R1	F	37
481 805 R91	D	93
481 805 R91	E	91
481 805 R91	F	71
481 806 R21	A	29
481 806 R21	B	27
481 806 R21	C	27
481 806 R31	D	40
481 806 R31	E	40
481 806 R31	F	38
481 807 R1	A	28
481 807 R1	B	26
481 807 R1	C	26
481 807 R1	D	39
481 807 R1	E	39
481 807 R1	F	37
481 894 R1	A	18
481 894 R1	B	18
481 894 R1	C	18
481 894 R1	D	21
481 894 R1	E	21
481 894 R1	F	18
481 895 R1	A	18
481 895 R1	B	18
481 895 R1	C	18
481 895 R1	D	21
481 895 R1	E	21
481 895 R1	F	18
482 014 R1	D	16
482 014 R1	E	16
482 014 R1	F	15
482 015 R1	D	16
482 015 R1	E	16
482 015 R1	F	15
482 016 R91	D	16
482 016 R91	E	16
482 016 R91	F	15
482 032 R1	D	16
482 032 R1	E	16
482 032 R1	F	15
482 033 R91	D	16
482 033 R91	E	16
482 033 R91	F	15
482 035 R91	D	16
482 035 R91	E	16
482 035 R91	F	15
482 037 R91	D	16
482 037 R91	E	16
482 037 R91	F	15
482 039 R1	D	16
482 039 R1	E	16
482 039 R1	F	15
482 040 R1	D	16
482 040 R1	E	16
482 040 R1	F	15
482 041 R1	D	16
482 041 R1	E	16
482 041 R1	F	15
482 042 R91	D	36
482 042 R91	E	36
482 042 R91	F	33
482 043 R1	D	36
482 043 R1	E	36
482 043 R1	F	33
482 979 R11	D	89
482 979 R11	E	87
482 979 R11	F	68
482 979 R11	G	52
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482 979 R11	G	58
482 979 R11	H	26
482 979 R11	J	64
482 979 R11	J	65
482 979 R11	M	33
483 131 R11	D	36
483 131 R11	E	36
483 131 R11	F	33
483 132 R1	D	36
483 132 R1	E	36
483 132 R1	F	33
483 141 R91	D	51
483 141 R91	D	56
483 141 R91	D	58
483 141 R91	D	60
483 141 R91	D	62
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483 141 R91	E	51
483 141 R91	E	56
483 141 R91	E	58
483 141 R91	E	60
483 141 R91	E	62
483 141 R91	E	63
483 141 R91	F	43
483 141 R91	F	48
483 141 R91	F	50
483 141 R91	F	52
483 141 R91	F	54
483 142 R11	D	52
483 142 R11	D	54
483 142 R11	D	57
483 142 R11	D	59
483 142 R11	E	52
483 142 R11	E	54
483 142 R11	E	57
483 142 R11	E	59
483 142 R11	F	44
483 142 R11	F	46
483 142 R11	F	49
483 142 R11	F	51
483 143 R11	A	41
483 143 R11	A	43
483 143 R11	A	44
483 143 R11	A	45
483 143 R11	A	47
483 143 R11	A	48
483 143 R11	B	39
483 143 R11	B	41
483 143 R11	B	42
483 143 R11	B	43
483 143 R11	B	45
483 143 R11	B	46
483 143 R11	C	35
483 143 R11	C	37
483 143 R11	C	38
483 143 R11	C	39
483 143 R11	C	41
483 143 R11	C	42
483 143 R11	D	53
483 143 R11	D	55
483 143 R11	E	53
483 143 R11	E	55
483 143 R11	F	45
483 143 R11	F	47
483 144 R11	A	41
483 144 R11	A	43
483 144 R11	A	44
483 144 R11	A	45
483 144 R11	A	47
483 144 R11	A	48
483 144 R11	B	39
483 144 R11	B	41
483 144 R11	B	42
483 144 R11	B	43
483 144 R11	B	45
483 144 R11	B	46
483 144 R11	C	35
483 144 R11	C	37
483 144 R11	C	38
483 144 R11	C	39
483 144 R11	C	41
483 144 R11	C	42
483 144 R11	D	53
483 144 R11	D	55
483 144 R11	E	53
483 144 R11	E	55
483 144 R11	F	45
483 144 R11	F	47
483 594 R1	A	51
483 594 R1	B	56
483 594 R1	C	50
483 594 R1	J	43
483 594 R1	K	24
483 594 R1	K	27
483 595 R91	A	35
483 595 R91	B	33
483 595 R91	C	31
483 615 R1	A	8
483 615 R1	B	8
483 615 R1	C	8
483 615 R1	D	8
483 615 R1	E	8
483 615 R1	F	8
483 615 R1	G	8
483 615 R1	H	5
483 615 R1	J	8
483 615 R1	M	6
483 615 R1	P	5
483 621 R1	A	8
483 621 R1	B	8
483 621 R1	C	8
483 621 R1	D	8
483 621 R1	E	8
483 621 R1	F	8
483 621 R1	G	8
483 621 R1	H	5
483 621 R1	J	8
483 621 R1	M	6
483 621 R1	P	5
483 627 R1	A	8
483 627 R1	B	8
483 627 R1	C	8
483 627 R1	D	8
483 627 R1	E	8
483 627 R1	F	8
483 627 R1	G	8
483 627 R1	H	5
483 627 R1	J	8
483 627 R1	M	6
483 633 R1	A	8
483 633 R1	B	8
483 633 R1	C	8
483 633 R1	D	8
483 633 R1	E	8
483 633 R1	F	8
483 633 R1	G	8
483 633 R1	H	5
483 639 R1	A	8
483 639 R1	B	8
483 639 R1	C	8
483 639 R1	D	8
483 639 R1	E	8
483 639 R1	F	8
483 639 R1	G	8
483 639 R1	H	5
483 651 R1	A	8
483 651 R1	B	8
483 651 R1	C	8
483 651 R1	D	8
483 651 R1	E	8
483 651 R1	F	8
483 651 R1	G	8
483 651 R1	H	5
483 657 R1	A	8
483 657 R1	B	8
483 657 R1	C	8
483 657 R1	D	8
483 657 R1	E	8
483 657 R1	F	8
483 657 R1	G	8
483 657 R1	H	5
484 296 R11	D	24
484 296 R11	E	24
484 296 R11	F	21
484 296 R21	G	23
484 296 R21	M	13
484 481 R1	D	22
484 481 R1	E	22
484 481 R1	F	19
484 481 R1	G	14
484 481 R1	G	15
484 481 R1	J	26
484 481 R1	J	27
484 481 R1	M	14
484 481 R1	P	12
484 482 R1	D	22
484 482 R1	E	22
484 482 R1	F	19
484 482 R1	G	14
484 482 R1	G	15
484 482 R1	J	26
484 482 R1	M	14
484 482 R2	P	12
484 483 R1	A	6
484 483 R1	B	6
484 483 R1	C	6
484 483 R1	D	6
484 483 R1	E	6
484 483 R1	F	6
484 483 R1	G	6
484 483 R1	J	4
484 483 R1	M	3
484 485 R1	D	89
484 485 R1	E	87
484 485 R1	F	69
484 730 R92	D	98
484 730 R92	E	94
484 730 R92	F	73
484 782 R1	D	48
484 782 R1	D	50
484 782 R1	E	48
484 782 R1	E	50
484 782 R1	F	40
484 782 R1	F	42
484 897 R91	D	48
484 897 R91	D	50

PRINTED IN UNITED STATES OF AMERICA

NUMERICAL INDEX

PART NUMBER	SEC	PG
484 897 R91	E	48
484 897 R91	E	50
484 897 R91	F	40
484 897 R91	F	42
484 898 R91	D	48
484 898 R91	D	50
484 898 R91	E	48
484 898 R91	E	50
484 898 R91	F	40
484 898 R91	F	42
484 923 R1	D	88
484 923 R1	E	86
484 923 R1	F	68
484 924 R1	D	88
484 924 R1	E	86
484 924 R1	F	68
484 925 R1	D	88
484 925 R1	E	86
484 925 R1	F	68
485 312 R1	D	92
485 312 R1	E	90
485 312 R1	F	70
485 313	J	48
485 313	J	49
485 313 R1	D	37
485 313 R1	D	92
485 313 R1	E	37
485 313 R1	E	90
485 313 R1	F	34
485 313 R1	F	35
485 313 R1	F	60
485 313 R1	F	70
485 313 R1	G	40
485 313 R1	G	46
485 313 R1	J	41
485 313 R1	J	52
485 313 R1	P	16
485 314 R2	D	48
485 314 R2	D	50
485 314 R2	D	92
485 314 R2	E	48
485 314 R2	E	50
485 314 R2	E	90
485 314 R2	F	40
485 314 R2	F	42
485 314 R2	F	70
485 314 R2	H	20
485 314 R2	J	44
485 315 R1	D	57
485 315 R1	D	58
485 315 R1	D	60
485 315 R1	D	62
485 315 R1	D	64
485 315 R1	E	57
485 315 R1	E	58
485 315 R1	E	60
485 315 R1	E	62
485 315 R1	E	64
485 315 R1	F	49
485 315 R1	F	50
485 315 R1	F	52
485 315 R1	F	54
485 353 R1	A	8
485 353 R1	B	8
485 353 R1	C	8
485 353 R1	D	8
485 353 R1	E	8
485 353 R1	F	8
485 353 R1	G	8
485 353 R1	H	5
485 353 R1	J	9
485 353 R1	K	6
485 353 R1	M	6
485 353 R1	P	6
485 354 R1	A	60
485 354 R1	B	57
485 354 R1	C	51
485 354 R1	D	94
485 354 R1	E	92
485 354 R1	F	71
486 004 R1	D	31
486 004 R1	E	31
486 004 R1	F	29
486 004 R1	G	30
486 004 R1	G	32
486 004 R1	G	34
486 004 R1	H	17
486 004 R1	J	7
486 004 R1	J	39
486 004 R1	J	41
486 004 R1	M	16
486 004 R1	P	4
486 004 R1	P	16
486 019 R2	D	31
486 019 R2	E	31
486 019 R2	F	29
486 019 R2	G	30
486 019 R2	G	34
486 019 R2	H	17
486 019 R2	J	39
486 019 R2	M	16
486 020 R2	D	31
486 020 R2	E	31
486 020 R2	F	29
486 020 R2	G	29
486 020 R2	G	33
486 020 R2	H	16
486 020 R2	J	38
486 020 R2	M	15
486 021 R2	D	31
486 021 R2	E	31
486 021 R2	F	29
486 021 R2	G	30
486 021 R2	G	34
486 021 R2	H	17
486 021 R2	J	39
486 021 R2	M	16
486 035 R1	D	16
486 035 R1	E	16
486 035 R1	F	15
486 036 R1	D	16
486 036 R1	E	16
486 036 R1	F	15
486 037 R1	D	16
486 037 R1	E	16
486 037 R1	F	15
486 433 R1	D	8
486 433 R1	E	8
486 433 R1	G	8
486 433 R1	H	5
486 476 R1	G	9
486 476 R1	J	7
486 476 R1	P	4
486 477 R1	D	8
486 477 R1	E	9
486 477 R1	F	8
486 477 R1	G	8
486 477 R1	H	6
486 477 R1	M	6
486 912 R1	D	8
486 912 R1	E	8
486 912 R1	F	8
486 913 R1	D	8
486 913 R1	E	8
486 913 R1	F	8
486 919 R1	D	8
486 919 R1	E	8
486 919 R1	F	8
486 919 R1	G	8
486 919 R1	H	5
486 919 R1	J	8
486 919 R1	M	6
486 921 R1	D	8
486 921 R1	E	8
486 921 R1	F	8
486 921 R1	G	8
486 921 R1	H	6
486 921 R1	J	8
486 921 R1	K	7
486 921 R1	M	6
486 921 R1	P	5
486 922 R1	D	8
486 922 R1	E	8
486 922 R1	F	8
486 922 R1	G	8
486 922 R1	H	5
486 922 R1	J	8
486 922 R1	K	7
486 922 R1	M	6
486 922 R1	P	5
486 928 R1	D	8
486 928 R1	E	8
486 928 R1	F	8
486 928 R1	G	8
486 928 R1	H	5
486 928 R1	J	8
486 928 R1	M	6
486 933 R1	D	8
486 933 R1	E	8
486 933 R1	F	8
486 933 R1	G	8
486 933 R1	H	5
486 933 R1	J	8
486 933 R1	M	6
487 016 R4	D	19
487 016 R4	E	19
487 017 R4	D	19
487 017 R4	E	19
488 498 R1	D	40
488 498 R1	E	40
488 498 R1	F	38
488 498 R1	G	44
488 498 R1	H	22
488 498 R1	J	61
488 498 R1	M	11
488 498 R1	P	21
488 499 R1	D	39
488 499 R1	E	39
488 499 R1	F	37
488 806 R1	F	9
488 806 R1	F	11
488 806 R1	J	8
488 806 R1	P	5
488 819 R91	F	11
488 872 R1	D	79
488 872 R1	E	77
488 872 R1	F	61
488 872 R1	G	48
488 872 R1	M	28
488 874 R1	D	79
488 874 R1	E	77
488 874 R1	F	61
488 874 R1	G	48
488 874 R1	M	28
488 876 R1	D	79
488 876 R1	E	77
488 876 R1	F	61
488 876 R1	G	48
488 876 R1	M	28
488 879 R1	D	79
488 879 R1	E	77
488 879 R1	F	61
488 879 R1	G	48
488 879 R1	M	28
488 881 R1	D	78
488 881 R1	E	76
488 881 R1	F	59
488 883 R1	D	77
488 883 R1	E	75
488 883 R1	F	58
488 885 R1	D	78
488 885 R1	E	76
488 885 R1	F	59
488 887 R1	D	77
488 887 R1	E	75
488 887 R1	F	58
488 897 R91	F	57
488 897 R91	F	58
488 897 R92	D	76
488 897 R92	D	77
488 897 R92	E	74
488 897 R92	E	75
488 897 R92	F	60
488 897 R92	G	46
488 897 R92	G	47
488 897 R92	J	41
488 897 R92	J	52
488 897 R92	J	58
488 897 R92	P	16
488 897 R92	P	19
489 039 R1	D	50
489 039 R1	E	50
489 039 R1	F	42
489 050 R1	D	76
489 050 R1	E	74
489 050 R1	F	57
489 050 R1	G	47
489 050 R1	J	58
489 050 R1	P	19
489 051 R1	D	76
489 051 R1	E	74
489 051 R1	F	57
489 051 R1	G	47
489 051 R1	J	58
489 051 R1	P	19
489 052 R1	D	76
489 052 R1	E	74
489 052 R1	F	57
489 052 R1	G	47
489 052 R1	J	58
489 052 R1	P	19
489 053 R1	D	76
489 053 R1	E	74
489 053 R1	F	57
489 053 R1	G	47
489 053 R1	J	58
489 053 R1	P	19
489 054 R1	D	76
489 054 R1	E	74
489 054 R1	F	57
489 054 R1	G	47
489 054 R1	J	58
489 054 R1	P	19
489 055 R1	D	76
489 055 R1	E	74
489 055 R1	F	57
489 055 R1	G	47
489 055 R1	J	58
489 055 R1	P	19
489 056 R1	F	57
489 056 R2	D	76
489 056 R2	E	74
489 056 R2	G	47
489 056 R2	J	58
489 056 R2	P	19
489 057 R1	F	57
489 057 R2	D	76
489 057 R2	E	74
489 057 R2	G	47
489 057 R2	J	58
489 057 R2	P	19
489 058 R1	F	57
489 058 R2	D	76
489 058 R2	E	74
489 058 R2	G	47
489 058 R2	J	58
489 058 R2	P	19
489 532 R1	G	44
489 532 R1	H	22
489 532 R1	J	61
489 532 R1	M	11
489 532 R1	P	21
490 095 R1	D	8
490 095 R1	E	8
490 095 R1	F	8
490 095 R1	G	8
490 095 R1	H	6
490 095 R1	J	8
490 095 R1	K	7
490 095 R1	M	6
490 095 R1	P	5
490 096 R1	D	8
490 096 R1	E	8
490 096 R1	F	8
490 096 R1	G	8
490 096 R1	H	5
490 096 R1	J	8
490 096 R1	K	7
490 096 R1	M	6
490 096 R1	P	5
490 516 R1	D	45
490 516 R1	E	45
490 518 R11	D	46
490 518 R11	E	46
490 520 R1	D	46
490 520 R1	E	46

-25- BKH-1

NUMERICAL INDEX

-26- BKH-1
NUMERICAL INDEX

PART NUMBER	SEC	PG
490 523 R1	D	45
490 523 R1	E	45
490 524 R1	D	45
490 524 R1	E	45
490 525 R1	D	46
490 525 R1	E	46
490 664 R2	D	48
490 664 R2	D	50
490 664 R2	E	48
490 664 R2	E	50
490 664 R2	F	40
490 664 R2	F	42
490 945 R1	D	14
490 945 R1	E	14
490 945 R1	F	13
491 535 R2	D	19
491 535 R2	E	19
491 770 R1	D	19
491 770 R1	E	19
491 771 R1	D	19
491 771 R1	E	19
491 778 R1	D	18
491 778 R1	E	18
491 779 R2	D	18
491 779 R2	E	18
491 780 R2	D	18
491 780 R2	E	18
491 787 R2	D	91
491 787 R2	E	89
491 789 R1	D	65
491 789 R1	E	65
491 791 R2	D	91
491 791 R2	E	89
491 801 R1	D	65
491 801 R1	E	65
491 802 R1	D	65
491 802 R1	E	65
491 803 R1	D	65
491 803 R1	D	67
491 803 R1	E	65
491 803 R1	E	67
491 804 R1	D	65
491 804 R1	E	65
491 805 R1	D	65
491 805 R1	E	65
491 821 R1	D	95
491 821 R1	E	93
491 821 R1	F	72
491 822 R1	D	95
491 822 R1	E	93
491 822 R1	F	72
491 828 R11	D	95
491 828 R11	E	93
491 828 R11	F	72
491 829 R1	D	95
491 829 R1	E	93
491 829 R1	F	72
491 830 R1	D	95
491 830 R1	E	93
491 830 R1	F	72
491 831 R1	D	95
491 831 R1	E	93
491 831 R1	F	72
491 833 R2	D	95
491 833 R2	E	93
491 833 R2	F	72
491 838 R2	D	95
491 838 R2	E	93
491 838 R2	F	72
492 011 R1	D	66
492 011 R1	D	68
492 011 R1	E	66
492 011 R1	E	68
492 014 R1	D	66
492 014 R1	D	68
492 014 R1	E	66
492 014 R1	E	68
492 015 R1	D	9
492 015 R1	E	9
492 016 R1	D	91
492 016 R1	E	89
492 031 R1	D	48
492 031 R1	D	50
492 031 R1	E	48
492 031 R1	E	50
492 032 R1	D	48
492 032 R1	D	50
492 032 R1	E	48
492 032 R1	E	50
492 065 R2	D	90
492 065 R2	E	88
492 118 R1	D	88
492 118 R1	E	86
492 408 R1	D	91
492 408 R1	E	89
492 412 R1	D	91
492 412 R1	E	89
492 413 R1	D	91
492 413 R1	E	89
492 414 R1	D	91
492 414 R1	E	89
492 415 R1	D	91
492 415 R1	E	89
492 416 R1	D	91
492 416 R1	E	89
492 435 R1	G	14
492 435 R1	J	12
492 453 R1	G	14
492 453 R1	J	12
492 461 R1	G	14
492 461 R1	J	12
492 462 R1	G	14
492 462 R1	J	12
492 570 R1	G	3
492 570 R1	H	3
492 570 R1	J	5
492 571 R1	D	5
492 571 R1	E	5
492 571 R1	G	4
492 573 R2	D	5
492 573 R2	E	5
492 573 R2	F	5
492 573 R2	G	3
492 573 R2	H	3
492 573 R2	J	5
492 582 R1	D	26
492 582 R1	E	26
492 582 R2	F	23
492 582 R2	G	21
492 582 R2	J	25
492 585 R1	D	26
492 585 R1	E	26
492 585 R1	F	23
492 585 R1	G	21
492 585 R1	J	25
492 587 R1	D	26
492 587 R1	E	26
492 587 R1	F	23
492 587 R1	G	21
492 587 R1	J	25
492 587 R1	P	11
492 588 R1	D	26
492 588 R1	E	26
492 588 R1	F	23
492 588 R1	G	21
492 588 R1	J	25
492 588 R1	P	11
492 589 R1	D	26
492 589 R1	E	26
492 589 R1	F	23
492 589 R1	G	21
492 589 R1	J	25
492 589 R1	P	11
492 590 R1	D	26
492 590 R1	E	26
492 590 R1	F	23
492 590 R1	G	21
492 590 R1	J	25
492 590 R1	P	11
492 591	P	11
492 591 R1	D	26
492 591 R1	E	26
492 591 R1	F	23
492 591 R1	G	21
492 591 R1	J	25
492 592 R1	D	26
492 592 R1	E	26
492 592 R1	F	23
492 592 R1	G	21
492 592 R1	J	25
492 592 R1	P	11
492 595 R1	D	26
492 595 R1	E	26
492 595 R1	F	23
492 595 R1	G	21
492 595 R1	J	25
492 595 R1	P	11
492 596 R1	D	26
492 596 R1	E	26
492 596 R2	F	23
492 596 R2	G	21
492 596 R2	J	25
492 596 R2	P	11
492 597 R1	D	26
492 597 R1	E	26
492 597 R2	F	23
492 597 R2	G	21
492 597 R2	J	25
492 597 R2	P	11
492 598 R1	D	26
492 598 R1	E	26
492 598 R1	F	23
492 598 R1	G	17
492 598 R1	G	21
492 598 R1	H	12
492 598 R1	J	25
492 598 R1	P	11
492 599 R1	D	31
492 599 R1	E	31
492 599 R1	F	29
492 599 R1	G	31
492 599 R1	J	40
492 599 R1	P	15
492 600 R1	D	31
492 600 R1	E	31
492 600 R1	F	29
492 600 R1	G	31
492 600 R1	J	40
492 600 R1	P	15
492 601 R1	D	31
492 601 R1	E	31
492 601 R1	F	29
492 601 R1	G	32
492 601 R1	J	41
492 601 R1	P	16
492 602 R1	D	31
492 602 R1	E	31
492 602 R1	F	29
492 602 R1	G	31
492 602 R1	J	40
492 602 R1	P	15
492 603 R1	D	31
492 603 R1	E	31
492 603 R1	F	29
492 603 R1	G	32
492 603 R1	J	41
492 603 R1	P	16
492 604 R1	D	31
492 604 R1	E	31
492 604 R1	F	29
492 604 R1	G	31
492 604 R1	J	40
492 604 R1	P	15
492 605 R1	D	31
492 605 R1	E	31
492 605 R1	F	29
492 605 R1	G	31
492 605 R1	J	40
492 606 R1	D	30
492 606 R1	E	30
492 606 R1	F	28
492 606 R1	G	31
492 606 R1	J	40
492 606 R1	P	11
492 607 R1	D	31
492 607 R1	E	31
492 607 R1	F	29
492 607 R1	G	32
492 607 R1	J	41
492 607 R1	P	16
492 608 R1	D	31
492 608 R1	E	31
492 608 R1	F	29
492 608 R1	G	32
492 608 R1	J	41
492 608 R1	P	16
492 609 R1	D	31
492 609 R1	E	31
492 609 R1	F	29
492 609 R1	G	32
492 609 R1	J	41
492 609 R1	P	16
492 610 R1	D	31
492 610 R1	E	31
492 610 R1	F	29
492 610 R1	G	31
492 610 R1	J	41
492 610 R1	P	15
492 611 R1	D	31
492 611 R1	E	31
492 611 R1	F	29
492 611 R1	G	31
492 611 R1	J	40
492 611 R1	P	15
492 612 R1	D	31
492 612 R1	E	31
492 612 R1	F	29
492 612 R1	G	30
492 612 R1	G	31
492 612 R1	H	17
492 612 R1	J	40
492 612 R1	P	15
492 618 R1	F	30
492 619 R1	F	29
492 620 R1	K	26
492 621 R1	D	37
492 621 R1	E	37
492 621 R1	F	34
492 621 R1	G	40
492 621 R1	J	49
492 623 R1	F	68
492 623 R91	D	88
492 623 R91	E	86
492 623 R91	G	52
492 623 R91	J	65
492 751 R1	J	5
492 785 R1	D	13
492 785 R1	E	13
492 786 R1	D	13
492 786 R1	E	13
492 787 R1	D	13
492 787 R1	E	13
492 832 R1	D	48
492 832 R1	D	50
492 832 R1	E	48
492 832 R1	E	50
493 398 R1	D	7
493 398 R1	E	7
493 398 R1	F	7
493 398 R1	G	7
493 398 R1	H	4
493 398 R1	M	5
493 697 R1	D	66
493 697 R1	E	66
493 739 R1	A	24
493 739 R1	B	22
493 873 R91	D	39
493 873 R91	E	39
493 873 R91	F	37
493 879 R1	D	21
493 879 R1	E	21
493 882 R1	D	21
493 882 R1	E	21
493 885 R1	D	21
493 885 R1	E	21
493 885 R1	F	18
493 886 R1	D	21
493 886 R1	E	21
493 886 R1	F	18
518 474 R1	A	54
518 474 R1	B	50
518 474 R1	C	46
520 175 R1	K	6
520 177 R1	K	3
525 921 R1	A	6
525 921 R1	B	6
525 921 R1	C	6

NUMERICAL INDEX

PART NUMBER	SEC	PG
525 921 R1	D	6
525 921 R1	E	6
525 921 R1	F	6
527 994 R1	N	16
527 996 R1	N	16
528 249 R1	D	80
528 249 R1	D	82
528 249 R1	E	78
528 249 R1	E	80
528 249 R1	F	62
528 249 R1	F	64
528 249 R1	G	28
528 249 R1	H	15
528 249 R1	J	55
528 249 R1	M	23
528 249 R1	P	18
528 844 R1	G	14
528 844 R1	H	10
528 844 R1	J	26
528 844 R1	L	7
528 844 R1	N	7
530 029 R91	J	62
530 029 R91	K	41
531 340 R1	J	46
531 686 R1	M	35
531 873 R1	K	7
532 255 R1	P	13
532 687 R11	J	14
532 687 R11	P	9
532 948 R1	G	8
532 948 R1	H	5
532 948 R1	J	9
532 948 R1	K	6
532 948 R1	M	6
532 948 R1	P	6
533 364 R91	G	56
533 364 R91	M	20
533 373 R1	D	11
533 373 R1	G	11
533 373 R1	J	14
533 373 R1	M	26
533 373 R1	P	9
533 374 R2	D	11
533 374 R2	G	11
533 374 R2	J	14
533 374 R2	K	11
533 374 R2	M	26
533 374 R2	P	9
533 375 R1	D	11
533 375 R1	G	11
533 375 R1	J	14
533 375 R1	K	11
533 375 R1	M	26
533 375 R1	P	9
533 384 R1	J	14
533 384 R1	K	9
533 384 R1	P	9
533 389 R1	J	13
533 389 R1	K	9
533 389 R1	P	8
533 460 R1	J	17
533 465 R1	K	29
533 466 R2	K	29
533 566 R1	D	98
533 566 R1	G	42
533 566 R1	M	19
533 624 R92	D	11
533 624 R92	G	12
533 624 R92	M	26
534 794 R1	G	53
534 794 R1	H	27
534 794 R1	J	66
534 794 R1	K	42
535 386 R91	J	62
535 386 R91	K	41
535 390 R91	J	62
535 390 R91	K	41
535 391 R1	J	62
535 391 R1	K	41
535 392 R1	J	62
535 392 R1	K	41
535 394 R1	J	62
535 394 R1	K	41
535 519 R1	G	45
535 576 R2	K	19
535 576 R2	K	21
535 580 R1	J	54
535 580 R1	K	34
535 581 R1	J	53
535 581 R1	J	54
535 581 R1	K	34
535 581 R1	K	35
535 581 R1	K	36
535 582 R1	J	53
535 582 R1	J	54
535 582 R1	K	34
535 582 R1	K	35
535 582 R1	K	36
535 584 R1	J	53
535 584 R1	J	54
535 584 R1	K	34
535 584 R1	K	35
535 584 R1	K	36
535 585 R1	J	53
535 585 R1	J	54
535 585 R1	K	34
535 585 R1	K	35
535 585 R1	K	36
535 586 R1	J	53
535 586 R1	J	54
535 586 R1	K	34
535 586 R1	K	35
535 586 R1	K	36
535 587 R1	J	53
535 587 R1	J	54
535 587 R1	K	34
535 587 R1	K	35
535 587 R1	K	36
535 588 R1	J	53
535 588 R1	J	54
535 588 R1	K	34
535 588 R1	K	35
535 588 R1	K	36
535 591 R1	J	53
535 591 R1	J	54
535 591 R1	K	34
535 591 R1	K	35
535 591 R1	K	36
535 598 R1	J	53
535 598 R1	J	54
535 598 R1	J	57
535 598 R1	K	34
535 598 R1	K	35
535 598 R1	K	36
535 598 R1	K	37
535 599 R1	J	54
535 599 R1	K	34
535 600 R1	J	57
535 600 R1	K	37
535 601 R1	J	57
535 601 R1	K	37
535 602 R1	J	57
535 602 R1	K	37
535 603 R1	J	53
535 603 R1	J	54
535 603 R1	J	57
535 603 R1	K	34
535 603 R1	K	35
535 603 R1	K	36
535 603 R1	K	37
535 606 R1	J	28
535 606 R1	J	29
535 611 R1	J	58
535 611 R1	K	37
535 612 R1	J	58
535 612 R1	K	37
535 638 R92	J	53
535 638 R92	K	36
535 644 R93	J	28
535 644 R93	J	29
535 644 R93	J	53
535 644 R93	K	19
535 644 R93	K	21
535 644 R93	K	36
535 850 R1	K	41
536 663 R1	J	29
536 663 R2	J	28
536 663 R2	K	19
536 663 R2	K	21
537 377 R1	L	12
537 603 R1	G	28
537 603 R1	H	15
537 603 R1	J	55
537 603 R1	M	23
537 603 R1	P	18
537 784 R1	J	19
537 784 R1	K	16
537 850 R93	J	28
537 850 R93	J	58
537 850 R93	K	19
537 850 R93	K	21
537 850 R93	K	37
537 851 R1	J	58
537 851 R1	K	37
537 852 R1	J	29
537 853 R93	J	28
537 853 R93	J	29
537 853 R93	J	53
537 853 R93	K	19
537 853 R93	K	21
537 853 R93	K	36
537 855 R93	J	28
537 855 R93	J	29
537 855 R93	J	53
537 856 R91	J	28
537 856 R91	J	29
537 856 R91	K	19
537 856 R91	K	21
537 857 R92	J	28
537 857 R92	J	57
537 857 R92	K	19
537 857 R92	K	21
537 857 R92	K	37
537 858 R91	J	29
537 858 R92	J	28
537 858 R92	J	54
537 858 R92	K	19
537 858 R92	K	21
537 858 R92	K	34
537 859 R91	J	28
537 859 R91	J	29
537 859 R91	K	19
537 859 R91	K	21
537 860 R1	J	28
537 860 R1	K	19
537 860 R1	K	21
537 861 R91	J	28
537 861 R91	K	20
537 861 R91	K	22
537 863 R92	J	57
537 863 R92	K	37
537 864 R92	J	53
537 866 R92	J	54
537 866 R92	K	34
537 868 R93	K	19
537 868 R93	K	21
537 868 R93	K	35
537 869 R91	K	19
537 869 R91	K	21
537 898 R1	L	12
537 910 R91	K	19
537 910 R91	K	21
537 912 R93	K	35
537 913 R1	J	29
537 914 R92	J	29
537 914 R92	J	57
537 915 R92	J	29
537 915 R92	J	58
538 233 R1	K	16
538 234 R1	K	16
538 596 R94	J	28
538 596 R94	K	20
538 596 R94	K	22
539 407 R91	K	12
539 408 R91	K	12
539 411 R1	K	12
539 412 R1	K	12
539 413 R1	K	12
539 414 R1	K	12
539 415 R1	K	12
539 416 R1	K	12
539 417 R1	K	12
539 423 R1	K	12
539 424 R1	K	12
539 425 R1	K	12
539 426 R1	K	12
539 427 R1	K	12
539 428 R1	K	12
539 436 R1	K	31
539 437 R1	K	31
539 450 R1	K	32
539 451 R1	K	31
539 452 R1	K	32
539 453 R1	K	12
539 455 R1	K	31
539 532 R91	K	19
539 532 R91	K	21
539 533 R1	J	57
539 533 R1	K	19
539 533 R1	K	21
539 533 R1	K	37
539 534 R1	K	19
539 534 R1	K	21
539 580 R92	K	36
539 583 R1	K	31
539 625 R1	K	32
539 771 R91	K	31
539 775 R1	K	31
539 776 R1	K	31
539 777 R1	K	31
539 779 R1	K	32
540 085 R1	D	8
540 085 R1	E	8
540 085 R1	G	8
540 085 R1	H	5
540 085 R1	J	9
540 085 R1	K	6
540 085 R1	M	6
540 085 R1	P	6
540 087 R1	D	8
540 087 R1	E	8
540 087 R1	G	12
540 087 R1	H	5
540 087 R1	J	9
540 087 R1	K	6
540 087 R1	M	6
540 087 R1	P	6
540 088 R1	G	12
540 088 R1	J	9
540 088 R1	P	6
540 331 R1	D	67
540 331 R1	E	67
540 393 R1	L	7
540 393 R1	N	7
540 962 R1	F	35
540 962 R1	J	48
540 963 R1	F	35
540 963 R1	J	48
540 964 R1	F	35
540 964 R1	J	48
540 965 R1	F	35
540 965 R1	J	48
540 966 R1	D	6
540 966 R1	E	6
540 966 R1	F	6
540 966 R1	G	3
540 966 R1	H	3
540 966 R1	J	5
540 967 R1	E	22
540 967 R2	G	15
540 967 R2	J	26
540 967 R2	M	14
540 967 R2	P	12
541 020 R1	F	18
541 045 R1	F	18
541 285 R1	F	35
541 285 R1	J	48
541 328 R1	D	67
541 328 R1	E	67
541 329 R1	D	67
541 329 R1	E	67
541 330 R1	D	67
541 330 R1	E	67
541 332 R1	D	68
541 332 R1	E	68
541 334 R1	D	67

-27- BKH-1

NUMERICAL INDEX

NUMERICAL INDEX

PART NUMBER	SEC	PG
541 334 R1	E	67
541 335 R1	D	68
541 335 R1	E	68
541 336 R1	D	9
541 336 R1	E	9
541 455 R1	D	71
541 455 R1	G	49
541 455 R1	M	29
541 456 R1	G	49
542 664 R1	H	4
542 664 R1	J	8
542 664 R1	M	5
542 664 R2	G	7
542 664 R2	P	5
542 910 R1	D	26
542 910 R1	E	26
542 911 R1	F	23
542 911 R1	G	21
542 911 R1	J	25
543 201 R1	F	27
543 201 R1	G	25
543 201 R1	G	26
543 201 R1	G	27
543 201 R1	H	23
543 201 R1	J	30
543 201 R1	J	31
543 201 R1	J	32
543 201 R1	M	22
543 201 R1	P	13
543 330 R1	G	3
543 330 R1	G	5
543 330 R1	J	3
543 330 R1	J	5
543 330 R1	J	10
543 330 R1	K	3
543 330 R1	M	3
543 330 R1	P	3
543 666 R1	F	61
543 666 R1	G	48
543 666 R1	J	41
543 666 R1	J	51
543 666 R1	P	17
543 667 R1	F	61
543 667 R1	G	48
543 667 R1	J	41
543 667 R1	J	51
543 667 R1	P	17
543 668 R1	F	61
543 668 R1	G	48
543 668 R1	J	41
543 668 R1	J	51
543 668 R1	P	17
543 669 R1	F	61
543 669 R1	G	48
543 669 R1	J	41
543 669 R1	J	51
543 669 R1	P	17
543 670 R1	F	60
543 670 R1	G	46
543 670 R1	J	41
543 670 R1	J	52
543 670 R1	P	16
543 671 R1	F	60
543 671 R1	G	46
543 671 R1	J	41
543 671 R1	J	52
543 671 R1	P	16
543 672 R1	F	60
543 672 R1	G	46
543 672 R1	J	41
543 672 R1	J	52
543 672 R1	P	16
543 673 R1	F	60
543 673 R1	G	46
543 673 R1	J	41
543 673 R1	J	52
543 673 R1	P	16
543 674 R1	F	23
543 674 R1	G	21
543 674 R1	J	25
543 691 R1	D	29
543 691 R1	E	29
543 691 R1	F	26
543 691 R1	F	27
543 691 R1	G	26
543 691 R1	J	31
543 691 R1	J	32
543 691 R1	P	13
543 976 R91	G	25
543 976 R91	G	44
543 976 R91	J	56
544 015 R1	D	6
544 015 R1	E	6
544 015 R1	F	6
544 015 R1	G	4
544 015 R1	G	6
544 015 R1	H	3
544 015 R1	J	4
544 015 R1	J	6
544 015 R1	K	3
544 015 R1	M	4
544 015 R1	P	3
544 050 R1	J	35
544 050 R1	J	37
544 051 R1	J	35
544 051 R1	J	37
544 052 R1	J	35
544 052 R1	J	37
544 053 R1	J	35
544 053 R1	J	37
544 150 R1	G	43
544 150 R1	H	21
544 150 R1	J	60
544 150 R1	M	10
544 150 R1	P	20
544 184 R91	K	10
544 266 R91	G	57
544 266 R91	J	69
544 266 R91	M	35
544 266 R91	P	21
544 493 R1	G	36
544 493 R1	G	38
544 493 R1	H	19
544 493 R2	J	44
544 494 R1	G	36
544 494 R1	G	38
544 494 R1	H	19
544 495 R1	G	37
544 495 R1	G	38
544 495 R1	H	20
544 495 R1	J	44
544 500 R1	D	97
544 500 R2	G	41
544 500 R2	M	18
544 611 R1	G	13
544 611 R1	H	9
544 611 R1	J	11
544 698 R91	G	44
544 698 R91	H	22
544 698 R91	J	61
544 698 R91	K	40
544 698 R91	M	11
544 698 R91	P	21
544 699 R1	G	44
544 699 R1	H	22
544 699 R1	J	61
544 699 R1	K	40
544 699 R1	M	11
544 699 R1	P	21
544 720 R93	K	6
544 735 R1	K	6
544 739 R1	K	6
544 741 R1	K	6
544 742 R2	K	6
544 743 R91	K	6
544 744 R1	M	6
544 745 R1	K	7
544 746 R1	K	7
544 747 R1	K	7
544 747 R1	P	6
544 748 R1	K	7
544 748 R1	P	6
544 762 R1	K	7
544 763 R1	K	7
544 767 R1	K	7
544 767 R1	P	6
544 769 R1	K	6
544 770 R1	J	8
544 770 R1	K	6
544 770 R1	P	5
544 772 R1	J	8
544 772 R1	K	6
544 772 R1	P	5
544 773 R1	J	8
544 773 R1	K	6
544 773 R1	P	5
544 774 R1	G	9
544 774 R1	H	6
544 774 R2	J	8
544 774 R2	K	6
544 774 R2	P	5
544 775 R1	J	8
544 775 R1	K	6
544 775 R1	P	5
544 776 R1	J	8
544 776 R1	K	6
544 776 R1	P	5
544 778 R91	K	39
544 780 R1	K	39
544 781 R2	K	39
544 782 R91	K	39
544 783 R1	K	39
544 817 R1	K	39
544 818 R1	K	39
544 819 R2	K	39
544 820 R1	K	40
544 821 R1	K	40
544 822 R1	K	40
544 823 R1	K	40
544 824 R1	K	26
544 827 R1	K	26
544 828 R1	K	40
544 831 R91	K	3
544 842 R91	K	3
544 862 R1	K	4
544 864 R1	K	4
544 868 R1	K	3
544 869 R1	K	3
544 870 R1	K	4
544 872 R1	D	8
544 872 R1	E	8
544 872 R1	F	8
544 872 R1	G	8
544 872 R1	H	5
544 872 R1	J	9
544 872 R1	K	6
544 872 R1	M	6
544 872 R1	P	6
544 873 R1	G	8
544 873 R1	H	5
544 873 R1	J	9
544 873 R1	K	6
544 873 R1	M	6
544 873 R1	P	6
544 903 R91	K	6
544 903 R91	K	9
544 904 R91	K	6
544 904 R91	K	9
544 905 R91	K	6
544 905 R91	K	9
544 907 R91	J	8
544 907 R91	J	13
544 907 R91	K	6
544 907 R91	K	9
544 907 R91	P	5
544 907 R91	P	8
544 920 R1	K	24
544 957 R1	F	23
544 957 R1	G	18
544 957 R1	G	21
544 957 R1	G	23
544 957 R1	H	13
544 957 R1	J	20
544 957 R1	J	25
544 957 R1	M	13
544 957 R1	P	11
544 958 R1	F	23
544 958 R1	G	18
544 958 R1	G	21
544 958 R1	G	23
544 958 R1	H	13
544 958 R1	J	20
544 958 R1	J	25
544 958 R1	M	13
544 958 R1	P	11
544 959 R1	F	23
544 959 R1	G	18
544 959 R1	G	21
544 959 R1	G	23
544 959 R1	H	13
544 959 R1	J	20
544 959 R1	J	25
544 959 R1	M	13
544 959 R1	P	11
544 989 R1	K	17
544 993 R1	K	14
544 994 R1	K	14
544 997 R1	K	14
544 997 R1	K	16
544 998 R1	K	14
544 998 R1	K	16
545 000 R1	J	17
545 000 R1	K	17
545 001 R1	J	17
545 001 R1	K	17
545 002 R1	K	14
545 003 R1	K	14
545 003 R1	K	16
545 004 R1	K	18
545 010 R1	K	14
545 010 R1	K	16
545 011 R1	K	14
545 011 R1	K	16
545 013 R1	K	14
545 013 R1	K	16
545 015 R1	K	14
545 015 R1	K	16
545 017 R1	K	18
545 018 R1	K	18
545 019 R1	K	18
545 022 R1	K	14
545 022 R1	K	16
545 022 R1	K	30
545 023 R1	K	14
545 023 R1	K	16
545 024 R1	K	14
545 024 R1	K	16
545 025 R1	K	14
545 026 R1	K	14
545 027 R1	K	14
545 028 R1	K	14
545 028 R1	K	16
545 029 R1	K	14
545 029 R1	K	16
545 030 R1	K	14
545 030 R1	K	16
545 031 R91	J	14
545 031 R91	P	9
545 033 R1	J	14
545 033 R1	P	9
545 034 R91	D	10
545 034 R91	D	97
545 034 R91	G	10
545 034 R91	G	41
545 034 R91	M	18
545 034 R91	M	25
545 035 R1	D	11
545 035 R1	G	11
545 035 R1	M	26
545 038 R1	D	10
545 038 R1	G	11
545 038 R1	M	25
545 040 R91	D	9
545 040 R91	D	10
545 040 R91	G	9
545 040 R91	G	10
545 040 R91	M	6
545 040 R91	M	25
545 041 R1	D	10
545 041 R1	G	11
545 041 R1	M	25
545 043 R1	J	13
545 043 R1	P	8
545 166 R1	G	42
545 166 R1	M	19
545 184 R91	J	14

-28- BKH-1

NUMERICAL INDEX

NUMERICAL INDEX

-29- BKH-1

NUMERICAL INDEX

PART NUMBER	SEC	PG
545 184 R91	P	9
545 187 R11	J	14
545 187 R11	K	9
545 187 R11	P	9
545 188 R1	G	11
545 188 R1	J	14
545 188 R1	K	9
545 188 R1	P	9
545 189 R2	G	11
545 189 R2	J	14
545 189 R2	K	9
545 189 R2	P	9
545 190 R1	G	11
545 190 R1	J	14
545 190 R1	K	9
545 190 R1	P	9
545 192 R11	K	9
545 214 R91	G	3
545 214 R91	G	5
545 214 R91	H	3
545 214 R91	J	3
545 214 R91	J	5
545 214 R91	M	3
545 214 R91	P	3
545 216 R91	G	43
545 216 R91	H	21
545 216 R91	J	60
545 216 R91	M	10
545 216 R91	P	20
545 218 R1	G	43
545 218 R1	H	21
545 219 R1	G	43
545 219 R1	H	21
545 219 R2	J	60
545 219 R2	M	10
545 219 R2	P	20
545 220 R1	G	43
545 220 R1	H	21
545 220 R1	J	61
545 220 R1	M	10
545 220 R1	P	21
545 221 R1	G	44
545 221 R1	H	22
545 221 R1	J	61
545 221 R1	M	11
545 221 R1	P	21
545 222 R91	G	44
545 222 R91	H	22
545 222 R91	J	61
545 222 R91	L	14
545 222 R91	M	11
545 222 R91	N	14
545 222 R91	P	21
545 223 R92	G	9
545 223 R92	G	10
545 224 R91	G	9
545 224 R91	G	10
545 225 R91	G	9
545 225 R91	G	10
545 226 R91	G	9
545 226 R91	G	10
545 227 R1	G	9
545 229 R91	G	45
545 229 R91	J	56
545 230 R91	M	6
545 231 R1	G	3
545 231 R1	H	3
545 232 R1	G	3
545 232 R1	H	3
545 234 R91	G	7
545 234 R91	M	5
545 243 R1	G	7
545 243 R1	M	5
545 244 R1	G	7
545 244 R1	M	5
545 245 R1	G	7
545 245 R1	M	5
545 275 R91	K	10
545 277 R11	K	9
545 278 R1	K	9
545 279 R1	K	9
545 280 R91	K	10
545 281 R91	K	10
545 299 R2	K	10
545 299 R92	G	12
545 299 R92	J	15
545 299 R92	P	9
545 300 R2	K	10
545 309 R1	K	26
545 353 R1	G	35
545 355 R1	K	8
545 356 R1	K	8
545 365 R2	K	7
545 366 R2	K	7
545 367 R1	K	7
545 368 R1	K	7
545 369 R1	K	7
545 370 R1	K	26
545 371 R2	K	26
545 372 R1	K	26
545 373 R1	K	26
545 374 R1	K	26
545 375 R1	K	26
545 377 R1	K	25
545 378 R1	K	25
545 379 R1	K	7
545 379 R1	K	27
545 380 R1	K	7
545 381 R1	K	7
545 382 R1	K	26
545 384 R91	J	8
545 384 R91	J	13
545 384 R91	P	5
545 384 R91	P	8
545 386 R91	J	14
545 386 R91	P	9
545 388 R11	J	14
545 388 R11	P	9
545 391 R1	K	26
545 392 R1	K	26
545 453 R1	J	36
545 454 R1	J	37
545 455 R1	J	36
545 456 R1	J	36
545 457 R1	J	36
545 458 R1	J	36
545 459 R1	J	36
545 460 R1	J	37
545 461 R1	J	36
545 462 R1	J	36
545 463 R1	J	36
545 464 R1	J	36
545 465 R1	J	37
545 466 R2	J	37
545 467 R1	J	37
545 468 R1	J	37
545 495 R1	J	50
545 496 R1	J	50
545 497 R1	J	50
545 498 R1	J	50
545 499 R1	J	50
545 500 R1	J	50
545 501 R1	J	50
545 502 R1	J	50
545 616 R1	G	57
545 616 R1	M	21
545 644 R1	K	27
545 645 R1	K	27
545 646 R1	K	27
545 647 R1	K	27
545 648 R1	K	27
545 649 R2	J	42
545 649 R2	K	28
545 651 R1	J	42
545 651 R1	K	28
545 652 R1	J	42
545 652 R1	K	28
545 653 R1	J	42
545 653 R1	K	28
545 655 R2	J	42
545 655 R2	K	28
545 660 R1	J	42
545 660 R1	K	28
545 662 R1	J	42
545 662 R1	K	28
545 663 R1	K	28
545 665 R1	K	28
545 680 R1	G	37
545 680 R1	G	39
545 680 R1	H	20
545 680 R1	J	45
545 742 R1	D	6
545 742 R1	E	6
545 742 R1	F	6
545 763 R1	G	37
545 763 R1	G	39
545 763 R1	H	20
545 763 R2	J	45
545 764 R1	G	37
545 764 R1	G	39
545 764 R1	H	20
545 764 R1	J	45
545 765 R1	G	17
545 765 R1	H	12
545 766 R1	G	30
545 766 R1	H	17
545 773 R1	G	36
545 773 R1	G	38
545 773 R1	H	19
545 773 R1	J	44
545 774 R1	G	37
545 774 R1	G	39
545 774 R1	H	20
545 774 R1	J	45
545 775 R1	G	37
545 775 R1	G	39
545 775 R1	H	20
545 775 R1	J	45
545 776 R1	G	37
545 776 R1	G	39
545 776 R1	H	20
545 776 R1	J	45
545 777 R1	G	37
545 777 R1	G	39
545 777 R1	H	20
545 777 R1	J	45
545 794 R1	K	24
545 795 R1	K	24
545 796 R1	K	24
545 797 R1	K	24
545 798 R1	K	24
545 799 R1	K	24
545 800 R1	K	24
545 801 R1	K	24
545 804 R1	K	33
545 805 R1	K	33
545 806 R1	K	33
545 808 R1	K	26
545 809 R91	G	11
545 811 R11	G	11
545 812 R1	G	11
545 813 R2	G	11
545 814 R91	G	11
545 815 R91	G	11
545 817 R11	G	11
545 818 R91	G	11
545 823 R1	G	11
545 824 R91	H	24
545 824 R91	J	56
545 829 R92	G	11
545 830 R92	G	11
545 831 R92	J	15
545 831 R92	P	9
545 832 R2	J	3
545 839 R2	J	7
545 839 R2	P	4
545 849 R1	J	33
545 849 R1	P	14
545 854 R1	J	8
545 854 R1	P	5
545 855 R1	J	8
545 855 R1	P	5
545 856 R1	J	9
545 856 R1	P	6
545 866 R1	J	16
545 867 R1	J	16
545 870 R2	J	17
545 872 R2	J	17
545 875 R1	J	17
545 876 R1	J	17
545 884 R1	J	17
545 885 R1	J	17
545 888 R1	J	17
545 890 R1	J	17
545 891 R1	J	17
545 895 R91	J	17
545 904 R1	J	17
545 905 R1	J	17
545 906 R1	J	17
545 907 R3	J	17
545 908 R3	J	17
545 909 R2	J	17
545 916 R1	J	17
545 917 R1	J	17
545 921 R2	J	17
545 923 R2	J	17
545 924 R2	J	17
545 925 R3	J	35
545 926 R2	J	35
545 927 R4	J	35
545 928 R4	J	35
545 930 R2	J	35
545 931 R2	J	35
545 932 R3	J	35
545 933 R2	J	35
545 963 R1	K	8
545 967 R2	K	8
545 969 R1	J	10
545 969 R1	K	8
545 972 R1	G	35
545 974 R1	K	26
545 980 R1	K	3
545 988 R1	K	3
545 989 R1	K	6
545 990 R1	K	6
545 991 R1	K	6
545 992 R1	K	6
545 993 R2	K	6
545 994 R1	K	6
545 997 R1	K	24
545 998 R1	K	24
545 999 R1	K	24
546 000 R1	K	24
546 019 R1	J	35
546 020 R1	J	35
546 021 R1	J	35
546 022 R1	J	35
546 024 R2	J	35
546 026 R1	J	33
546 027 R1	J	33
546 028 R1	J	8
546 028 R1	P	5
546 030 R1	J	8
546 030 R1	P	5
546 031 R1	J	62
546 031 R1	K	41
546 032 R1	J	17
546 032 R1	K	14
546 032 R1	K	16
546 033 R1	J	63
546 033 R1	K	42
546 036 R3	J	10
546 037 R3	J	10
546 044 R1	J	10
546 069 R2	J	4
546 070 R2	J	4
546 105 R1	G	24
546 105 R1	H	23
546 105 R1	J	30
546 106 R1	G	24
546 108 R1	G	13
546 108 R1	H	9
546 108 R1	J	11
546 109 R1	G	13
546 109 R1	H	9
546 109 R1	J	11
546 117 R1	H	9
546 117 R2	G	13
546 117 R2	J	11
546 121 R1	G	13
546 121 R1	H	9
546 121 R1	J	11
546 122 R1	G	13
546 122 R1	H	9
546 122 R1	J	11
546 236 R1	G	30

PRINTED IN UNITED STATES OF AMERICA

NUMERICAL INDEX

PART NUMBER	SEC	PG
546 236 R1	H	17
546 236 R1	J	39
546 278 R91	G	57
546 278 R91	H	27
546 278 R91	J	69
546 278 R91	K	45
546 305 R1	G	17
546 305 R1	H	12
546 305 R1	J	23
546 306 R1	G	17
546 306 R1	H	12
546 647 R1	G	14
546 647 R1	H	10
546 647 R1	J	26
546 652 R1	J	35
546 655 R1	J	35
546 656 R1	J	35
546 658 R1	J	35
546 686 R93	G	45
547 002 R1	K	16
547 103 R1	G	54
547 103 R1	J	64
547 132 R1	G	9
547 132 R1	H	6
547 132 R1	J	9
547 132 R1	K	7
547 132 R1	M	7
547 132 R1	P	6
547 133 R1	G	9
547 133 R1	H	6
547 133 R1	J	8
547 133 R1	K	7
547 133 R1	M	6
547 133 R1	P	5
547 182 R1	G	8
547 182 R1	H	5
547 182 R1	J	9
547 182 R1	M	6
547 243 R91	G	24
547 243 R91	J	30
547 254 R91	D	97
547 254 R92	D	71
547 254 R92	G	41
547 254 R92	G	49
547 254 R92	M	18
547 254 R92	M	29
547 256 R1	G	45
547 256 R1	H	24
547 256 R1	J	56
547 258 R1	H	24
547 258 R1	J	56
547 259 R1	G	45
547 259 R1	J	56
547 301 R92	G	45
547 339 R1	G	37
547 339 R1	G	39
547 339 R1	H	17
547 339 R1	H	20
547 339 R1	J	45
547 340 R1	G	37
547 340 R1	G	39
547 340 R1	H	20
547 340 R1	J	45
547 341 R1	G	37
547 341 R1	G	39
547 341 R1	H	20
547 341 R1	J	45
547 342 R1	G	30
547 342 R1	H	17
547 342 R1	J	39
547 344 R1	G	17
547 344 R1	H	12
547 344 R1	J	23
547 347 R1	G	36
547 347 R1	G	38
547 347 R1	H	19
547 347 R1	J	44
547 348 R1	G	36
547 348 R1	G	38
547 348 R1	H	19
547 348 R1	J	44
547 349 R1	G	36
547 349 R1	G	38
547 349 R1	H	19
547 349 R1	J	44
547 351 R1	G	36
547 351 R1	G	38
547 351 R1	H	19
547 351 R1	J	44
547 352 R1	H	19
547 352 R2	G	36
547 352 R2	G	38
547 352 R2	J	44
547 353 R1	G	37
547 353 R1	H	20
547 353 R1	J	46
547 354 R1	G	37
547 354 R1	H	20
547 354 R1	J	46
547 361 R91	D	97
547 361 R92	G	41
547 361 R92	M	18
547 362 R1	D	97
547 362 R1	G	41
547 362 R1	M	18
547 363 R1	D	97
547 363 R1	G	41
547 363 R1	M	18
547 364 R1	D	97
547 364 R1	G	41
547 364 R1	M	18
547 365 R1	D	97
547 365 R1	G	41
547 365 R1	M	18
547 369 R1	D	97
547 369 R1	G	41
547 369 R1	M	18
547 370 R1	D	97
547 370 R2	G	41
547 370 R2	M	18
547 371 R1	D	98
547 371 R1	G	42
547 371 R1	M	19
547 372 R1	D	98
547 372 R1	G	42
547 372 R1	M	19
547 373 R1	D	98
547 373 R1	G	42
547 373 R1	M	19
547 374 R1	D	98
547 374 R1	G	42
547 374 R1	M	19
547 375 R1	D	98
547 375 R1	G	42
547 375 R1	M	19
547 376 R91	D	98
547 376 R91	G	42
547 376 R91	G	51
547 376 R91	M	19
547 376 R91	M	31
547 377 R1	D	98
547 377 R2	G	42
547 377 R2	M	19
547 378 R1	D	98
547 378 R1	G	42
547 378 R1	M	19
547 379 R1	D	98
547 380 R1	D	98
547 412 R91	D	71
547 412 R91	G	49
547 412 R91	M	29
547 413 R1	G	37
547 413 R1	H	20
547 413 R2	J	46
547 413 R2	J	47
547 416	G	37
547 416 R1	H	20
547 416 R92	J	46
547 421 R1	G	37
547 421 R1	H	20
547 421 R1	J	46
547 424 R1	G	37
547 424 R1	H	20
547 424 R1	J	46
547 425 R1	G	37
547 425 R1	H	20
547 425 R1	J	46
547 425 R1	J	47
547 426 R1	G	37
547 426 R1	H	20
547 426 R1	J	46
547 494 R91	G	57
547 494 R91	J	69
547 494 R91	K	45
547 494 R91	L	16
547 494 R91	N	17
547 494 R91	P	21
547 496 R1	G	57
547 496 R1	J	69
547 496 R1	P	21
547 496 R91	K	45
547 496 R91	L	16
547 496 R91	N	17
547 498 R91	G	57
547 498 R91	L	16
547 498 R91	N	17
547 501 R1	J	18
547 502 R2	J	18
547 503 R3	J	18
547 505 R1	J	18
547 506 R1	J	18
547 508 R3	J	18
547 509 R1	J	18
547 509 R1	K	15
547 510 R1	J	18
547 510 R1	K	15
547 511 R1	J	18
547 511 R2	K	15
547 512 R1	J	18
547 512 R2	K	15
547 516 R2	J	18
547 516 R2	K	15
547 517 R2	J	19
547 517 R2	K	16
547 518 R1	J	19
547 519 R1	J	19
547 520 R1	J	19
547 521 R1	J	19
547 537 R1	D	75
547 538 R91	D	75
547 539 R1	D	75
547 539 R1	G	51
547 539 R1	M	31
547 581 R1	K	17
547 619 R1	J	19
547 619 R1	K	16
547 620 R1	J	19
547 620 R1	K	16
547 685 R1	J	62
547 694 R1	K	7
547 695 R1	K	7
547 696 R1	K	7
547 697 R1	K	7
547 698 R1	K	7
547 699 R1	K	7
547 700 R1	K	7
547 714 R1	K	7
547 715 R1	K	6
547 964 R91	K	30
547 964 R91	K	31
547 966 R1	K	30
547 967 R1	K	29
547 968 R1	K	29
547 969 R1	K	29
547 971 R1	K	29
547 972 R1	K	29
547 973 R2	K	30
547 974 R1	K	30
547 978 R1	K	30
547 979 R1	K	30
547 980 R1	K	30
547 981 R1	K	30
547 982 R1	K	30
547 983 R1	K	30
547 985 R2	K	30
547 986 R2	K	30
548 175 R1	F	35
548 175 R1	J	48
548 282 R1	F	23
548 282 R1	J	25
548 309 R93	K	6
548 309 R93	K	11
548 335 R1	K	16
548 336 R1	K	16
548 337 R1	K	16
548 338 R1	K	16
548 339 R1	K	16
548 340 R1	K	16
548 341 R1	K	16
548 342 R3	K	16
548 344 R1	K	24
548 345 R1	K	24
548 346 R1	K	24
548 347 R1	K	24
548 359 R91	G	9
548 359 R91	G	10
548 360 R11	G	11
548 395 R1	G	55
548 397 R1	G	55
548 406 R91	K	11
548 408 R21	K	11
548 409 R3	K	11
548 410 R2	K	11
548 411 R1	K	11
548 412 R1	K	11
548 413 R91	K	11
548 415 R1	J	14
548 415 R1	K	9
548 415 R1	P	9
548 478 R2	K	41
548 492 R1	G	53
548 787 R91	G	28
548 787 R91	J	55
548 787 R91	M	23
548 787 R91	P	18
548 803 R1	K	33
549 791 R91	G	54
549 792 R1	G	54
549 792 R1	J	64
549 928 R1	J	35
549 928 R1	J	37
549 967 R1	D	22
550 465 C1	M	9
565 014 R1	G	38
565 014 R1	J	47
570 828 R1	A	24
570 828 R1	A	29
570 828 R1	A	33
570 828 R1	A	35
570 828 R1	A	49
570 828 R1	B	22
570 828 R1	B	27
570 828 R1	B	31
570 828 R1	B	33
570 828 R1	B	47
570 828 R1	C	22
570 828 R1	C	27
570 828 R1	C	31
570 828 R1	C	43
570 828 R1	D	9
570 828 R1	D	38
570 828 R1	D	40
570 828 R1	D	42
570 828 R1	D	46
570 828 R1	D	97
570 828 R1	E	9
570 828 R1	E	38
570 828 R1	E	40
570 828 R1	E	42
570 828 R1	E	46
570 828 R1	F	9
570 828 R1	F	36
570 828 R1	F	38
570 828 R1	G	9
570 828 R1	G	41
570 828 R1	G	44
570 828 R1	G	45
570 828 R1	H	6
570 828 R1	H	22
570 828 R1	H	24
570 828 R1	J	8
570 828 R1	J	56
570 828 R1	J	61
570 828 R1	K	6
570 828 R1	K	40
570 828 R1	L	11

NUMERICAL INDEX

PART NUMBER	SEC	PG
570 828 R1	M	7
570 828 R1	M	11
570 828 R1	M	18
570 828 R1	N	11
570 828 R1	P	5
570 828 R1	P	21
573 206 R1	A	35
573 206 R1	B	33
573 206 R1	C	31
573 206 R1	D	38
573 206 R1	D	63
573 206 R1	D	66
573 206 R1	E	38
573 206 R1	E	63
573 206 R1	E	66
573 206 R1	F	36
574 018 R1	G	37
574 018 R1	G	38
574 018 R1	H	20
574 018 R1	J	44
574 069 R1	A	54
574 069 R1	B	50
574 069 R1	C	46
574 069 R1	D	85
574 069 R1	E	83
574 069 R1	F	67
574 479 R1	K	24
583 476 R1	A	37
583 476 R1	B	35
583 476 R1	D	32
583 476 R1	E	32
583 477 R1	A	37
583 477 R1	B	35
583 477 R1	D	32
583 477 R1	E	32
587 372 R91	A	35
587 372 R91	B	33
587 372 R91	C	31
587 372 R91	D	38
587 372 R91	E	38
587 372 R91	F	36
587 639 R1	A	33
587 639 R1	B	31
587 639 R1	D	46
587 639 R1	E	46
592 674 R1	L	22
592 674 R1	N	23
596 327 R1	J	53
596 327 R1	J	54
596 327 R1	K	34
596 327 R1	K	35
596 327 R1	K	36
596 548 R91	D	86
596 548 R91	E	84
601 924 C1	G	44
601 924 C1	J	61
601 924 C1	M	11
601 924 C1	P	21
608 879 R91	D	24
608 879 R91	D	26
608 879 R91	E	24
608 879 R91	E	26
608 879 R91	F	21
608 879 R91	F	23
608 879 R91	G	18
608 879 R91	G	21
608 879 R91	G	23
608 879 R91	H	13
608 879 R91	J	20
608 879 R91	J	25
608 879 R91	M	13
608 879 R91	P	11
610 416 C1	K	39
613 598 R1	L	22
613 598 R1	N	23
613 602 R1	L	22
613 602 R1	N	23
615 860 R1	D	24
615 860 R1	E	24
615 860 R1	F	21
615 860 R1	G	17
615 860 R1	G	23
615 860 R1	H	12
615 860 R1	M	13
619 069 C91	F	10
619 069 C91	J	13
619 069 C91	P	8
619 072 C91	D	10
619 072 C91	E	10
619 072 C91	F	10
619 072 C91	G	10
619 072 C91	H	7
619 072 C91	J	13
619 072 C91	K	9
619 072 C91	K	11
619 072 C91	M	25
619 072 C91	P	8
619 260 R1	D	91
619 260 R1	E	89
619 260 R1	F	69
619 299 C1	M	35
621 006 C1	G	4
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621 006 C1	H	3
621 006 C1	J	6
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621 006 C1	M	3
621 006 C1	P	3
622 847 C1	J	69
622 847 C1	P	21
625 326 R1	A	15
625 326 R1	B	15
625 326 R1	C	14
625 326 R1	C	15
625 326 R1	D	22
625 326 R1	E	22
625 326 R1	F	19
625 326 R1	G	15
625 326 R1	J	26
625 326 R1	M	14
625 326 R1	P	12
632 455 R91	A	33
632 455 R91	B	31
632 455 R91	D	46
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633 460 R1	J	35
633 460 R91	D	68
633 460 R91	D	98
633 460 R91	E	68
633 460 R91	G	42
633 460 R91	J	37
633 460 R91	K	24
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635 714 R91	G	51
635 714 R91	M	31
635 971 R1	D	36
635 971 R1	E	36
635 971 R1	F	33
636 435 R1	D	16
636 435 R1	E	16
636 435 R1	F	15
639 581 R92	J	53
642 954 R1	M	34
650 337 R1	K	16
660 433 R1	K	39
661 652 R1	A	57
661 652 R1	A	58
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661 652 R1	B	54
661 652 R1	C	47
661 652 R1	C	48
661 652 R1	D	72
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661 652 R1	D	74
661 652 R1	E	72
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661 652 R1	F	55
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663 025 R1	M	31
663 032 R1	D	75
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666 217 R1	D	36
666 217 R1	E	36
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666 719 R1	D	75
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666 722 R1	D	75
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669 547 R1	A	58
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669 547 R1	C	48
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669 547 R1	F	55
673 643 R91	L	21
673 643 R91	N	22
673 644 R1	L	21
673 644 R1	N	22
676 078 R1	J	62
676 078 R1	K	41
708 395 R1	A	55
708 395 R1	B	51
708 395 R1	D	87
708 395 R1	E	85
708 422 R91	A	55
708 422 R91	B	51
708 422 R91	D	87
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710 216 C1	P	16
850 108 C1	D	75
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850 113 R1	M	31
860 197 R91	G	57
860 197 R91	M	21
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883 744 C1	M	35
883 746 C1	M	35
883 747 C1	M	35
935 433 R1	D	31
935 433 R1	E	31
935 433 R1	F	29
935 433 R1	G	31
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935 433 R1	J	40
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935 567 R1	L	19
936 450 R91	D	98
936 450 R91	G	42
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995 170 R2	D	21
995 170 R2	E	21
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995 170 R2	M	21
996 787 R91	G	56
996 787 R91	M	20
1 000 693 R3	A	60
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1 000 693 R3	C	52
2 750 120 R1	A	60
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2 751 034 R1	H	27
2 751 130 R1	A	60
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2 751 157 R1	A	60
2 751 157 R1	B	57
2 751 157 R1	C	52
2 751 586 R1	C	52
2 751 898 R1	B	57
2 752 018 R1	D	98
2 752 018 R1	E	94
2 752 018 R1	F	73
2 752 018 R1	H	27
2 752 019 R1	D	98
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2 752 300 R1	D	98
2 752 300 R1	E	94
2 752 300 R1	F	73
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2 752 936 R1	D	93
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2 754 034 R1	H	27
2 754 177 R1	D	78
2 754 177 R1	D	79
2 754 177 R1	D	98
2 754 177 R1	E	76
2 754 177 R1	E	77
2 754 177 R1	E	94
2 754 177 R1	F	61
2 754 177 R1	F	73
3 043 981 R93	A	33
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3 043 981 R93	E	85
3 044 436 R1	G	10
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3 044 624 R1	A	55
3 044 624 R1	B	51
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3 044 634 R1	E	85

PART NUMBER	SEC	PG
3 044 636 R1	A	55
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9 402 682	D	42
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9 402 708	G	42
9 402 708	J	35
9 402 708	K	24
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9 402 710	F	54
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9 403 294	D	31
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9 403 294	F	29
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9 403 294	J	35
9 403 294	J	37
9 403 294	J	39
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9 403 295	J	42
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9 403 296	G	39
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9 403 296	K	24
9 403 296	K	26
9 403 296	K	28
9 403 297	G	37
9 403 297	G	39
9 403 297	H	20
9 403 297	J	44
9 403 298	F	35
9 403 298	J	8
9 403 298	J	42
9 403 298	J	48
9 403 298	K	27
9 403 298	K	28
9 403 298	P	5
9 403 334	A	35
9 403 334	A	38
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9 403 334	C	39
9 403 334	C	41
9 403 334	D	38
9 403 334	E	38
9 403 334	F	36
9 403 334	J	47
9 403 372	K	28
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9 403 373	B	31
9 403 373	D	36
9 403 373	D	45
9 403 373	D	48
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9 403 373	D	58
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9 403 373	E	36
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9 403 373	E	68
9 403 373	F	33
9 403 373	F	40
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9 403 373	F	52
9 403 373	G	37
9 403 373	G	39
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9 403 373	J	8
9 403 373	J	44
9 403 373	J	46
9 403 373	J	47
9 403 373	K	28
9 403 373	P	5
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9 403 375	D	29
9 403 375	E	28
9 403 375	E	29
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9 403 375	G	26
9 403 375	G	27
9 403 375	H	23
9 403 375	J	30
9 403 375	J	31
9 403 375	J	32
9 403 375	M	22
9 403 375	P	13
9 403 376	D	29
9 403 376	E	29
9 403 376	F	26
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9 403 376	G	38
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9 403 376	K	27
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9 403 376	P	13
9 403 406	J	43
9 403 406	K	27
9 403 406	K	30
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9 410 202	A	27
9 410 202	A	33
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9 410 202	C	25
9 410 202	C	31
9 410 202	D	46
9 410 202	E	46
9 410 202	K	26
9 410 203	A	24
9 410 203	B	22
9 410 203	C	22
9 410 203	D	9
9 410 203	D	42
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9 410 203	E	9
9 410 203	E	42
9 410 203	F	9
9 410 203	G	9
9 410 203	H	6
9 410 203	J	8
9 410 203	K	6
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9 410 203	N	11
9 410 203	P	5
9 410 204	A	19
9 410 204	A	24
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9 410 204	A	35
9 410 204	A	41
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9 410 204	A	45
9 410 204	A	47
9 410 204	A	51
9 410 204	B	19
9 410 204	B	22
9 410 204	B	29
9 410 204	B	31

NUMERICAL INDEX

PART NUMBER	SEC	PG
9 410 204	B	33
9 410 204	B	39
9 410 204	B	41
9 410 204	B	43
9 410 204	B	45
9 410 204	B	56
9 410 204	C	19
9 410 204	C	22
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9 410 204	C	31
9 410 204	C	35
9 410 204	C	37
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9 410 204	D	92
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9 410 204	E	76
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9 410 204	F	29
9 410 204	F	35
9 410 204	F	36
9 410 204	F	40
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9 410 204	G	46
9 410 204	H	6
9 410 204	H	16
9 410 204	H	19
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9 410 204	J	8
9 410 204	J	35
9 410 204	J	37
9 410 204	J	38
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9 410 204	J	41
9 410 204	J	44
9 410 204	J	45
9 410 204	J	46
9 410 204	J	47
9 410 204	J	48
9 410 204	J	52
9 410 204	K	6
9 410 204	K	7
9 410 204	K	24
9 410 204	L	12
9 410 204	M	6
9 410 204	M	15
9 410 204	M	19
9 410 204	N	12
9 410 204	P	5
9 410 204	P	15
9 410 204	P	16
9 410 205	K	7
9 410 206	A	33
9 410 206	A	36
9 410 206	A	39
9 410 206	A	42
9 410 206	A	44
9 410 206	B	31
9 410 206	B	34
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9 410 206	B	40
9 410 206	B	42
9 410 206	C	33
9 410 206	C	36
9 410 206	C	38
9 410 206	D	35
9 410 206	D	45
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9 410 206	D	67
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9 410 207	A	48
9 410 207	B	39
9 410 207	B	42
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9 410 207	B	46
9 410 207	C	35
9 410 207	C	38
9 410 207	C	39
9 410 207	C	42
9 410 207	D	36
9 410 207	D	37
9 410 207	D	51
9 410 207	D	52
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9 410 207	D	55
9 410 207	D	93
9 410 207	E	36
9 410 207	E	37
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9 410 207	E	52
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9 410 207	F	33
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9 410 207	F	43
9 410 207	F	44
9 410 207	F	45
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9 410 207	F	71
9 410 207	G	30
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9 410 207	G	37
9 410 207	G	38
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9 410 207	H	17
9 410 207	H	19
9 410 207	H	20
9 410 207	J	39
9 410 207	J	44
9 410 207	J	45
9 410 207	J	49
9 410 279	G	42
9 410 279	M	19
9 410 280	G	42
9 410 280	M	19
9 410 281	G	41
9 410 281	K	33
9 410 281	M	18
9 410 282	A	33
9 410 282	B	31
9 410 282	D	38
9 410 282	D	45
9 410 282	D	48
9 410 282	D	50
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9 410 282	D	64
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9 410 282	F	35
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9 410 282	H	20
9 410 282	J	37
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9 410 282	J	52
9 410 282	K	30
9 410 282	M	19
9 410 282	P	16
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9 410 284	A	31
9 410 284	A	36
9 410 284	A	37
9 410 284	A	51
9 410 284	B	29
9 410 284	B	34
9 410 284	B	35
9 410 284	B	56
9 410 284	C	29
9 410 284	C	33
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9 410 284	C	50
9 410 284	D	57
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9 410 284	E	57
9 410 284	E	58
9 410 284	F	49
9 410 284	F	50
9 410 284	G	37
9 410 284	G	39
9 410 284	H	20
9 410 284	J	45
9 410 285	A	31
9 410 285	A	36
9 410 285	A	37
9 410 285	A	46
9 410 285	A	48
9 410 285	A	51
9 410 285	B	29
9 410 285	B	34
9 410 285	B	35
9 410 285	B	44
9 410 285	B	46
9 410 285	B	56
9 410 285	C	29
9 410 285	C	33
9 410 285	C	34
9 410 285	C	40
9 410 285	C	42
9 410 285	C	50
9 410 285	D	29
9 410 285	D	35
9 410 285	D	48
9 410 285	D	50
9 410 285	D	51
9 410 285	D	52
9 410 285	D	62
9 410 285	D	63
9 410 285	D	93
9 410 285	D	98
9 410 285	E	29
9 410 285	E	35
9 410 285	E	48
9 410 285	E	50
9 410 285	E	51
9 410 285	E	52
9 410 285	E	62
9 410 285	E	63
9 410 285	E	91
9 410 285	F	26
9 410 285	F	27
9 410 285	F	32
9 410 285	F	40
9 410 285	F	42
9 410 285	F	43
9 410 285	F	44
9 410 285	F	54
9 410 285	F	71
9 410 285	G	26
9 410 285	G	30
9 410 285	G	40
9 410 285	G	42
9 410 285	J	31
9 410 285	J	32
9 410 285	J	35
9 410 285	J	39
9 410 285	J	49
9 410 285	M	19
9 410 285	P	13
9 410 285	P	16
9 410 337	A	44
9 410 337	A	48
9 410 337	A	51
9 410 337	B	42
9 410 337	B	46
9 410 337	B	56
9 410 337	C	38
9 410 337	C	42
9 410 337	C	50
9 410 337	D	53
9 410 337	D	64
9 410 337	E	53
9 410 337	E	64
9 410 337	F	45
9 410 337	J	43
9 410 337	K	27
9 410 357	D	70
9 410 357	E	70
9 410 358	G	44
9 410 358	H	22
9 410 358	J	61
9 410 358	K	40
9 410 358	M	11
9 410 358	P	13
9 410 358	P	21
9 410 359	A	35
9 410 359	A	49
9 410 359	B	33
9 410 359	B	47
9 410 359	C	31
9 410 359	C	43
9 410 359	D	38

-33- BKH-1

NUMERICAL INDEX

NUMERICAL INDEX

PART NUMBER	SEC	PG
9 410 359	E	38
9 410 359	F	36
9 410 359	G	45
9 410 359	H	24
9 410 359	J	56
9 410 360	A	35
9 410 360	B	33
9 410 360	C	31
9 410 360	D	28
9 410 360	D	29
9 410 360	E	28
9 410 360	E	29
9 410 360	F	25
9 410 360	F	26
9 410 360	G	26
9 410 360	G	43
9 410 360	H	21
9 410 360	J	8
9 410 360	J	31
9 410 360	J	32
9 410 360	J	60
9 410 360	L	21
9 410 360	M	10
9 410 360	N	22
9 410 360	P	5
9 410 360	P	13
9 410 360	P	20
9 410 362	D	28
9 410 362	D	29
9 410 362	E	28
9 410 362	E	29
9 410 362	F	25
9 410 362	F	26
9 410 362	F	27
9 410 362	G	24
9 410 362	G	26
9 410 362	G	27
9 410 362	H	23
9 410 362	J	30
9 410 362	J	31
9 410 362	J	32
9 410 362	M	22
9 410 362	P	13
9 410 936	C	20
9 410 976	A	20
9 410 976	B	20
9 410 976	D	31
9 410 976	D	42
9 410 976	E	31
9 410 976	E	42
9 410 976	F	29
9 410 976	G	30
9 410 976	G	31
9 410 976	G	34
9 410 976	H	17
9 410 976	J	39
9 410 976	J	40
9 410 976	L	8
9 410 976	M	16
9 410 976	N	8
9 410 976	P	15
9 410 977	D	42
9 410 977	E	42
9 410 978	A	19
9 410 978	A	27
9 410 978	A	33
9 410 978	A	35
9 410 978	A	41
9 410 978	A	43
9 410 978	A	45
9 410 978	A	47
9 410 978	B	19
9 410 978	B	25
9 410 978	B	31
9 410 978	B	33
9 410 978	B	39
9 410 978	B	41
9 410 978	B	43
9 410 978	B	45
9 410 978	C	19
9 410 978	C	25
9 410 978	C	31
9 410 978	C	35
9 410 978	C	37
9 410 978	C	39
9 410 978	C	41
9 410 978	D	31
9 410 978	D	33
9 410 978	D	37
9 410 978	D	38
9 410 978	D	45
9 410 978	D	53
9 410 978	D	55
9 410 978	D	58
9 410 978	D	61
9 410 978	D	63
9 410 978	D	66
9 410 978	D	68
9 410 978	D	77
9 410 978	D	93
9 410 978	D	98
9 410 978	E	31
9 410 978	E	33
9 410 978	E	37
9 410 978	E	38
9 410 978	E	45
9 410 978	E	53
9 410 978	E	55
9 410 978	E	58
9 410 978	E	61
9 410 978	E	63
9 410 978	E	66
9 410 978	E	68
9 410 978	E	75
9 410 978	E	91
9 410 978	F	29
9 410 978	F	30
9 410 978	F	34
9 410 978	F	36
9 410 978	F	45
9 410 978	F	47
9 410 978	F	50
9 410 978	F	53
9 410 978	F	58
9 410 978	F	60
9 410 978	F	70
9 410 978	G	30
9 410 978	G	31
9 410 978	G	34
9 410 978	G	35
9 410 978	G	37
9 410 978	G	40
9 410 978	G	42
9 410 978	G	46
9 410 978	H	17
9 410 978	H	18
9 410 978	H	20
9 410 978	J	33
9 410 978	J	37
9 410 978	J	39
9 410 978	J	40
9 410 978	J	46
9 410 978	J	47
9 410 978	J	49
9 410 978	J	52
9 410 978	L	12
9 410 978	M	16
9 410 978	M	17
9 410 978	M	19
9 410 978	P	14
9 410 978	P	15
9 410 979	D	68
9 410 979	D	97
9 410 979	E	68
9 410 979	J	35
9 410 979	J	37
9 410 980	A	20
9 410 980	A	31
9 410 980	B	20
9 410 980	B	29
9 410 980	C	20
9 410 980	C	29
9 410 980	D	27
9 410 980	D	28
9 410 980	D	29
9 410 980	D	36
9 410 980	D	48
9 410 980	D	50
9 410 980	E	27
9 410 980	E	28
9 410 980	E	29
9 410 980	E	36
9 410 980	E	48
9 410 980	E	50
9 410 980	F	24
9 410 980	F	25
9 410 980	F	26
9 410 980	F	27
9 410 980	F	33
9 410 980	F	35
9 410 980	F	40
9 410 980	F	42
9 410 980	G	25
9 410 980	G	26
9 410 980	G	27
9 410 980	H	23
9 410 980	J	30
9 410 980	J	31
9 410 980	J	32
9 410 980	J	48
9 410 980	M	22
9 410 980	P	13
9 410 981	A	36
9 410 981	A	37
9 410 981	A	38
9 410 981	B	34
9 410 981	B	35
9 410 981	B	36
9 410 981	C	32
9 410 981	C	33
9 410 981	C	34
9 410 981	D	27
9 410 981	D	35
9 410 981	D	36
9 410 981	D	37
9 410 981	D	48
9 410 981	D	50
9 410 981	D	64
9 410 981	D	65
9 410 981	D	67
9 410 981	D	97
9 410 981	E	27
9 410 981	E	35
9 410 981	E	36
9 410 981	E	37
9 410 981	E	48
9 410 981	E	50
9 410 981	E	64
9 410 981	E	65
9 410 981	E	67
9 410 981	F	24
9 410 981	F	32
9 410 981	F	33
9 410 981	F	34
9 410 981	F	40
9 410 981	F	42
9 410 981	G	40
9 410 981	G	41
9 410 981	J	35
9 410 981	J	49
9 410 981	K	24
9 410 981	M	18
9 411 104	A	20
9 411 104	B	20
9 411 104	C	20
9 411 105	L	11
9 411 105	N	11
9 411 106	G	37
9 411 106	G	38
9 411 106	H	20
9 411 106	J	44
9 411 108	G	36
9 411 108	G	38
9 411 108	H	19
9 411 108	J	44
9 411 119	A	33
9 411 119	B	31
9 411 119	D	45
9 411 119	E	45
9 411 120	A	35
9 411 120	B	33
9 411 120	C	31
9 411 120	D	38
9 411 120	D	65
9 411 120	E	38
9 411 120	E	65
9 411 120	F	36
9 411 122	A	42
9 411 122	A	44
9 411 122	B	40
9 411 122	B	42
9 411 122	C	36
9 411 122	C	38
9 411 122	D	52
9 411 122	D	54
9 411 122	D	57
9 411 122	D	59
9 411 122	E	52
9 411 122	E	54
9 411 122	E	57
9 411 122	E	59
9 411 122	F	44
9 411 122	F	46
9 411 122	F	49
9 411 122	F	51
9 411 135	A	31
9 411 135	A	41
9 411 135	A	45
9 411 135	B	29
9 411 135	B	40
9 411 135	B	43
9 411 135	C	29
9 411 135	C	35
9 411 135	C	39
9 411 135	D	48
9 411 135	D	50
9 411 135	D	51
9 411 135	D	52
9 411 135	E	48
9 411 135	E	50
9 411 135	E	51
9 411 135	E	52
9 411 135	F	40
9 411 135	F	42
9 411 135	F	43
9 411 135	F	44
9 411 135	J	35
9 411 135	J	37
9 411 135	K	24
9 411 135	K	30
9 416 471	D	11
9 416 471	G	11
9 416 471	M	26

-34- BKH-1

NUMERICAL INDEX