

MODEL
TD-25 SERIES C
CRAWLER TRACTOR

FORM
PC-TD-25C-9

AUGUST, 1980

(Supersedes Form PC-TD-25C-8)

It is our policy to improve our products whenever it is possible and practical to do so. We reserve the right to make changes or add improvements at any time without incurring any obligation to install such changes on products sold previously.

Due to this continuous program of research and development, periodic revisions may be made to this publication. It is recommended that customers contact their distributor for information on the latest revision.

DRESSER MARKETING DIVISION EAST SUNNYSIDE AVE. LIBERTYVILLE, IL 60048
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The black tabs shown on the right-hand side of this page line up with the corresponding tabs in the catalog. Tabs are quickly located by bending the catalog.

TO THE OWNER

When ordering parts, always give the following information.

1. The IH part number, including suffix or prefix letters, the name of the part and the quantity needed. Do not include the illustration reference number.
2. The complete chassis and engine serial number of the machine, including the Kind, Variation and Country of Origin codes, and the serial sequence number. (Refer to "INTRODUCTION.")
3. When ordering parts for units which may have their own serial number, such as transmission, torque converter, blade or bucket, drive axle, etc., also include the serial number of such units.

We suggest that you write the serial numbers for your machine in the spaces provided below for ready reference when parts are needed.

CHASSIS _____
(Bottom of dash below instrument panel. Also upper RH side near rear face of rear main frame).

ENGINE _____
(RH side of crankcase below rear exhaust manifold).

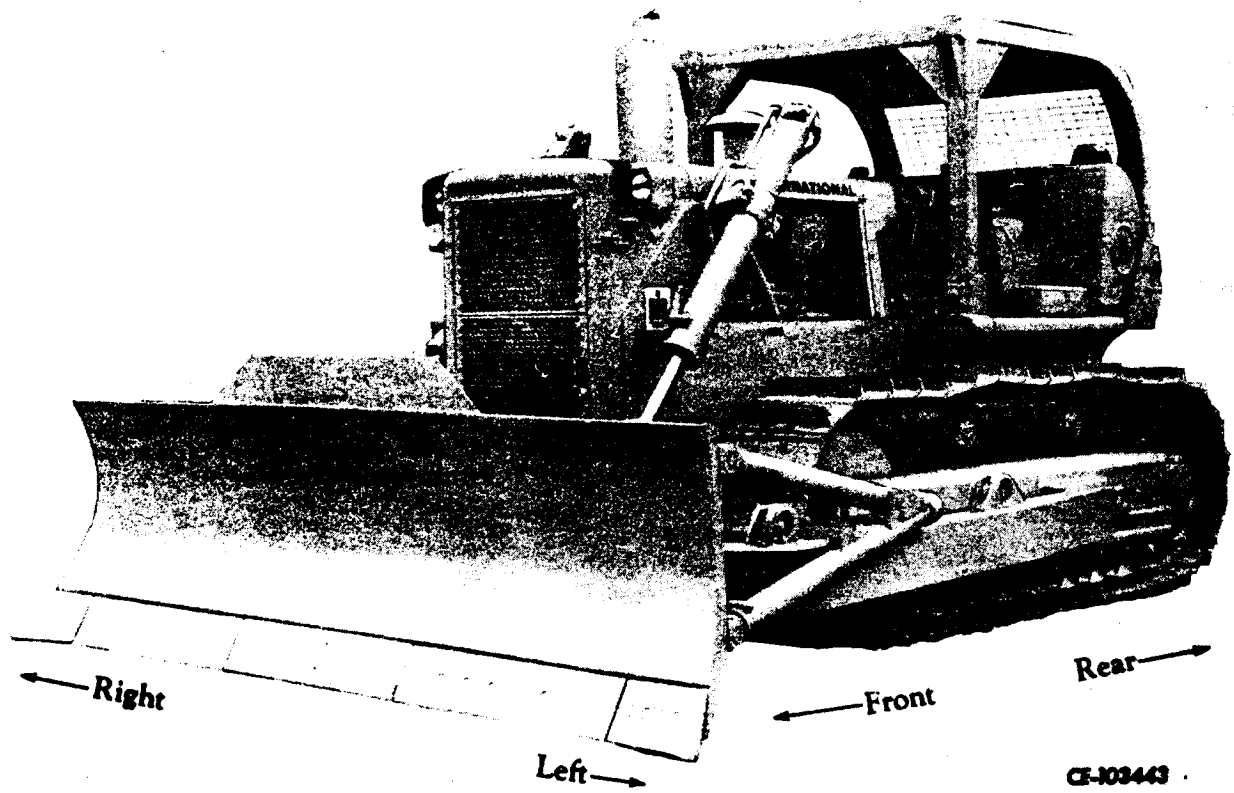
CAB _____

HYDRAULIC BULLDOZER, SEMI "U" _____
(On back of blade - Top RH corner)

HYDRAULIC BULLGRADER _____
(Back of blade - Top RH corner).

TRANSMISSION _____
(Front upper left side of transmission housing)

CABLE CONTROL UNIT _____
(On left hand end cover)



CE-103443

TD-25 Series C Crawler Tractor

This catalog contains a list of chassis parts for the following:

CRAWLER TRACTORS

TD-25 SERIES C	Manual Shift
TD-25 SERIES C	Power Shift
TD-25 SERIES C	Arctic Power Shift

These crawler tractors have a six-cylinder, 5-3/8 x 6 inch (DT1-817B for models with chassis serial numbers 3300 and below or DT1-817C for models with chassis serial numbers 3301 and up), Turbocharged Intercooled (w/Hydraulic Injection) Diesel Engine. For Engine service parts, refer to Parts Catalog EPC-817B or EPC-817C.

**CABLE-OPERATED
BULLGRADERS AND BULLDOZERS**

MODEL 25D-3 (SERIES C)	Bulldozer
MODEL 25G-3 (SERIES C)	Bullgrader

**HYDRAULIC-OPERATED
BULLGRADERS AND BULLDOZERS**

MODEL 25D-2 (SERIES C)	Bulldozer
MODEL 25G-2 (SERIES C)	Bullgrader

**HYDRAULIC-OPERATED
CUSHION PUSHER DOZER**

MODEL 25D-2 (SERIES C)	Cushion Pusher Dozer
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CABLE CONTROL UNITS

MODEL 25C-260	Double drum, rear mounted
MODEL 25C-260S	Single drum, rear mounted

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

This catalog is divided into major sections which, in turn, are sub-divided into units. An alphabetical index is listed in the front of this catalog and a numerical index is listed at the back of this catalog which contains a listing of part numbers showing the section and page number where each part is listed and described.

Illustrations in the form of exploded views are provided to aid in locating and identifying parts. Reference numbers in the illustration tie-in each simple part, assembly or group of parts with a list of parts following each illustration. Parts are listed in reference number order as shown in the illustration, followed by the noun name of the part with the modifying descriptive information which serves to specifically identify the item. Parts not shown in the illustrations appear at the end of the unit list affected. Parts listed are for all applications unless otherwise indicated (by serial number or other means).

CAUTION: Reference numbers should not be used when ordering parts. Always use IH part numbers or descriptions when ordering.

Throughout this catalog, the term "Front" indicates the radiator end. Whenever the terms "Right" or "Left" are used, they should be understood to mean from a rear position looking toward the radiator end.

The quantity of each item is shown following the description of the item. Where no quantity is shown, this indicates that only "-1-" is required.

In many parts lists, it is possible to include more than one assembly or attachment. The assemblies or attachments are listed at the beginning of the parts lists with the letters A, B, C, etc., preceding the part number of the assembly or attachment. The number-required information is shown in parentheses following the description of the parts. When letters (A, B, C, etc.) are shown without a quantity, they should be understood to mean only one (1) is required. Parts without letters after the description indicate the part is used for all assemblies or attachments listed in the heading.

ASSEMBLIES AND ATTACHMENTS. Wherever possible, the component parts of assemblies or attachments are shown in the "exploded views" by use of boxes, brackets or arrows. Component parts of assemblies or attachments are listed by one of the following methods.

- (a) The listings are fully covered by descriptions for simple assemblies and attachments.
- (b) When four or more parts are contained in the assemblies or attachments, the listing of components immediately follows the description with the wording, "(Composed of -)."
- (c) Assemblies or attachments consisting of many parts show the assembly or attachment number at the beginning of the unit lists, followed by the listing of the components.

Exceptions to the above methods are explained by footnotes in the text.

Individual parts of an assembly which are not available for service are marked with a symbol $\$$. In some instances, such parts are listed with a notation giving the information which is to be used for ordering.

MISCELLANEOUS PARTS. 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 and are shown indented under the major items with which they are used. They should be ordered as listed, since they are not component parts of the pieces they attach.

WARNING: Attaching parts especially made for their location should never be substituted with regular standard parts:

All Carriage, Machine and Plow BOLTS; NUTS; Cap Machine and Set SCREWS, will be considered furnished with National Coarse Thread unless otherwise specified. The number of threads per inch will be eliminated.

All NUTS will be considered "Hex." unless otherwise specified.

All WASHERS: The "ID," "OD" and "No." identity will be eliminated. The inside dimension will be listed first, followed by the outside diameter and the thickness.

All lock WASHERS will be considered "Medium" type unless specified as "Light" or "Heavy."

(over)

INTRODUCTION

All cotter PINS will be considered "Extended-Prong" type unless otherwise specified.

All groove PINS will be considered "Standard Groove" unless otherwise specified.

All common RIVETS will be considered "Annealed" unless otherwise specified.

All countersunk-head tubular RIVETS will be considered "Copper-Plated Steel" unless otherwise specified.

All oval-head tubular RIVETS will be considered "Brass."

Standard bolts used in International Harvester Products are manufactured under standards known as Unified National Coarse Thread (U.N.C.) and Unified National Fine Thread (U.N.F.) with the number of threads per inch for various diameters as follows:

Diameter of Bolt	No. of Threads Per Inch (U.N.C.)	No. of Threads Per Inch (U.N.F.)
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

ABBREVIATIONS. The abbreviations used in this catalog are explained in the list of abbreviations on page VIII.

SERIAL NUMBERS.

(A) CRAWLER TRACTORS:

Following is a list of starting serial numbers for these units.

<u>Crawler Tractor</u>	<u>Chassis Starting Serial Number</u>	<u>Transmission Starting Serial Number</u>
TD-25 (SERIES C) Manual Shift	4360001U000501 to 2600 4360002U002601 to 3300 4360003U003301 to 5000 4360004U005001 and up	G-501
TD-25 (SERIES C) Power Shift	4360050U000501 to 2600 4360055U002601 to 3300 4360056U003301 to 5000 4360064U005001 and up	P-501
TD-25 (SERIES C) Cushion Dozer (Manual Shift or Power Shift)	4360001U000501 to 2600 4360002U002601 to 3300 4360003U003301 to 5000 4360050U000501 to 2600 4360055U002601 to 3300 4360056U003301 to 5000	G-501
TD-25 (SERIES C) Arctic Power Shift	4360051U000501 to 5000	P-501

For ENGINE starting serial number—with chassis serial numbers 3300 and below—refer to Parts Catalog EPC 817B; with chassis serial numbers 3301 and up—refer to EPC 817C. Only the sequence number of the complete serial number is listed in this catalog to identify parts.

The chassis serial numbers are stamped on the model plate, which is located on the left-hand side of the dash, below the instrument panel.

The chassis serial numbers are also stamped on upper right-hand side near rear face of the rear main frame.

The transmission serial numbers are stamped on the front upper-left side of the transmission housing.

(B) BULLGRADERS AND BULLDOZERS:

Following is a list of Bullgrader and Bulldozer Models.

Model

- 25D-2 Bulldozer
- 25D-3 Bulldozer
- 25G-2 Bullgrader
- 25G-3 Bullgrader

Serial numbers for Bulldozer equipment start at 101 and run consecutively upwards. Serial numbers for Bullgrader equipment start at 101 and run consecutively upwards. The serial numbers are stamped on the name plate on the back of the blade at the top of the right-hand corner.

<u>Number Code</u>	<u>Letter Code</u>
2 - Hydraulic operated	G - Bullgrader
3 - Using rear-mounted cable control unit (cable operated)	D - Bulldozer

(C) CABLE CONTROL UNITS:

Following is a list of starting serial numbers for these units.

<u>Number Code</u>	<u>Letter Code</u>
25C-260 Double drum rear cable control unit	25C-260 501
25C-260S Single drum rear cable control unit	25C-260S 501

The serial numbers for 25C-260 Double Drum Cable Control Unit are stamped on the name plate on the left-hand end cover.

The serial numbers for 25C-260S Single Drum Rear Cable Control Unit are stamped on the name plate on the left-hand end cover.

Customer should be urged to supply the serial numbers for the units listed above when ordering parts.

LIST OF ABBREVIATIONS

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

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

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Shaft, Power Take-off	17-42		U		
Shank, Ripper	17-46		Universal Joints	7-90	
Shrouds, Fan	6-3		Universal Joint, Wet Clutch	7-69	
Sheaves	17-24		V		
Sheave Blocks	17-24		Valves		
Side Sheets			Booster	7-10	
Engine	13-2		Ether Starting	12-28	
Seat	13-14		Hydraulic Control		
Side Sheet Extensions	13-4		Two Spool	10-24, 10-30	
Sprocket	7-96		Three Spool	10-16, 10-20	
Sprocket Drive	7-96		Hydraulic Tilt	10-39	
Sprocket Drive Lube Oil Pump	7-100		Pilot Control	7-50D	
Sprocket Drive Oil Filter Piping	7-102, 7-105		Quick Drop	10-15	
Sprocket Drive Oil Piping	7-102		Range Selector	7-37	
Sprocket Drive Venting	7-107		Relief	7-7	
Sprocket Rock Deflector	7-100				
Steering Controls (Mechanical)	5-2				
Steering Pump Drive	10-13				
Struts					
Bulldozer	17-10				
Bullgrader	17-11				
Supplementary Rear Light	8-43				
Support Battery	8-2				
Sweep Canopy Front	13-16				
Swinging Drawbar (See Drawbars in this listing)					

DESCRIPTION	PAGE	FICHE	DESCRIPTION	PAGE	FICHE
V - Continued					
Valves - Continued					
Regulator	7-8, 7-36				
Ripper Diverter	10-56				
Ripper Pitch Selector	10-57				
Steering Control	10-35				
Shuttle	7-55				
Voltage Regulator	8-38				
W					
Water Separator	12-19				
Wiper, Windshield	13-22				
Y					
Yoke, Lift Cylinder	10-57				

**REFER TO ALPHABETICAL INDEX
FOR COMPLETE LISTING OF PARTS**

ATTACHMENTS

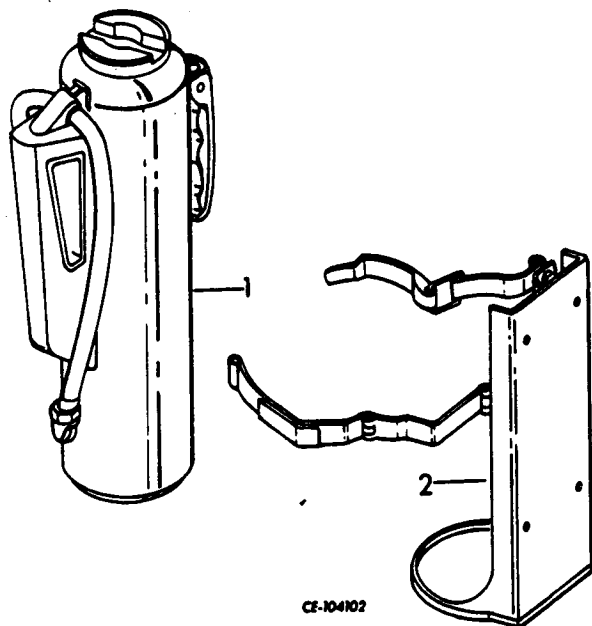
**THE FOLLOWING ATTACHMENTS ARE AVAILABLE
FOR THE MODEL TD-25 SERIES C CRAWLER TRACTOR**

DESCRIPTION	SECTION
Air Conditioner	13
Alarm, Back-Up	8
Anti-Vandalism	1
Belt, Seat	13
Block, Pusher	9
Box, Vented Battery	8
Cab	13
Canopy (Roll-Over Protective Structure)	13
Cap, Crankcase Oil	12
Cap, Exhaust Rain	12
Cap, Fuel Tank Filler	12
Circuit Breaker	8
Control, Auxiliary	10
Control, Hydraulic Tilt	10
Cooler, Clutch Oil	12
Core, Armored Radiator	6
Decelerator	12
Deflector, Sprocket Rock	7
Defroster	13
Dome Light	13
Door, Radiator Guard Louvered	9
Drawbar	
Counterweight	9
Rigid	9
Swinging	9
Drive, Tilt Pump	7
Electrical Rework	8
Engine Enclosure	13
Ether Starting	12
Extension, Engine Side Sheet	13
Fan	
Reversible	6
Suction	6
Fire Extinguisher	1
Gauge w/Lock, Crankcase Oil Level	12
Grid, Radiator Core	6
Guard	
Crankcase	9
Radiator Core	6
Transmission Case	9
Heater, Cab	13
Hinged Radiator Guard Door	9
Hood, Perforated	13
Hook, Front Pull	9
Horn, Electric Warning	8
Indicator, Pressure Filter	
Kit, Tool	2
Lamp, Auxiliary Rear	8
Lighting, Electric	8
Lock, Pad	2
Lubricator, Hand Type	2
Mount, Canopy	
Front	13
Rear	13
Plate, Pusher	9
Rest, Foot	13
Ripper	17
Ripper Pitch	17
Screen, Canopy Rear	14
Shield, Track Roller	14
Shoe, Track	15
Shutter, Radiator	6
Sweep, Canopy	13
Tilt, Hydraulic	10
Water Separator	12
Wiper, Windshield	13

ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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FIRE EXTINGUISHER



A	629 554 C91	ATTACHMENT, fire extinguisher (See NOTE 4)
B	Service parts for fire extinguisher (Consists of -	
1	630 823 C91	EXTINGUISHER, fire (A)
2	630 824 C91	BRACKET, fire extinguisher (A)
	549 973 C91	EXTINGUISHER, fire (B)
	120 221	BOLT (4)
	120 361	NUT (4)
	115 707	WASHER (4)

ANTI-VANDALISM

632 176 C91	ATTACHMENT, anti-vandalism (For machines equipped with 5" O.D. muffler exhaust outlet) (See NOTES 1 and 3) (Consists of -
	1 ATTACHMENT, crankcase oil filler cap w/lock 703 445 C92
	2 CAP 628 156 C91
	1 ATTACHMENT, lockable exhaust rain cap 628 013 C91
	1 ATTACHMENT, crankcase oil level gauge w/lock 632 115 C91
	5 PADLOCK w/KEYS 650 382 C91)

632 177 C91	ATTACHMENT, anti-vandalism (For machines equipped with 4" O.D. muffler exhaust outlet) (See NOTES 1 and 3) (Consists of -
	1 ATTACHMENT, crankcase oil filler cap w/lock 703 455 C92
	2 CAP 628 156 C91
	1 ATTACHMENT, lockable exhaust rain cap 628 166 C91
	1 ATTACHMENT, crankcase oil level gauge w/lock 632 115 C91
	5 PADLOCK w/KEYS 650 382 C91)

NOTE 1 - Factory Application -
Order On Machine Order
Form.

NOTE 3 - Field Application - Order
Through Regular Service
Channels.

NOTE 4 - Attachment No Longer
Available - Service Parts
Will Be Furnished

**ReNEWED COMPONENTS AVAILABLE FOR THE
TD-25C CRAWLER DOZER**

Components	Engine	HP	RPM	Serial Number	New Service Part Number	ReNEW Service Part Number
# REPLACEMENT ENGINE						
Power Shift	DT-817B	313	1900		*701 193 C91	749 506 C91
Gear Drive	DT-817B	313	1900		*701 192 C91	749 507 C91
Power Shift	DT-817C	320	2100		684 465 C91	749 278 C91
Power Shift	DT-817C	338	2100		684 473 C92	749 508 C93
Power Shift	DT-817C	338	2100		688 464 C91	749 508 C93
Gear Drive	DT-817C	320	2100		684 464 C91	749 277 C91
Gear Drive	DT-817C	338	2100		678 463 C92	749 509 C93
Gear Drive	DT-817C	338	2100		688 465 C91	749 509 C93

* An DT-817C Engine with Pump Setting for DT-817B Engine application.

#Basic Engine	DT-817B					735 066 C91
Basic Engine	DT-817C					749 639 C91
Skeleton Engine	DT-817B				684 289 C92	749 271 C92
Skeleton Engine	DT-817C				674 964 C93	749 238 C93

REFER TO ReNEWED ASSEMBLIES CATALOG, PS-7501-2, FOR SPECIAL ORDERING INSTRUCTIONS.

CYLINDER HEAD W/VALVES:

Front	DT-817B					749 869 C91
Rear	DT-817B					749 870 C91
Front	DT-817C					749 637 C91
Rear	DT-817C					749 638 C91

Fuel Injection Pump	DT-817B	304	1900	*1140 - Below	702 517 C92	+749 067 C91
Fuel Injection Pump	DT-817B			*1141 - 1861	670 923 C92	749 067 C91
Fuel Injection Pump	DT-817B	313	1900	1862 - Up	+670 977 C91	+749 051 C91
Fuel Injection Pump	DT-817B	313	1900	1862 - Up	+687 193 C91	+749 510 C91
Fuel Injection Pump	DT-817B	313	1900		687 456 C91	749 967 C91
Fuel Injection Pump	DT-817B	336	2100		+674 342 C91	+749 064 C91
Fuel Injection Pump	DT-817B	336	2100		+684 446 C91	+749 033 C92

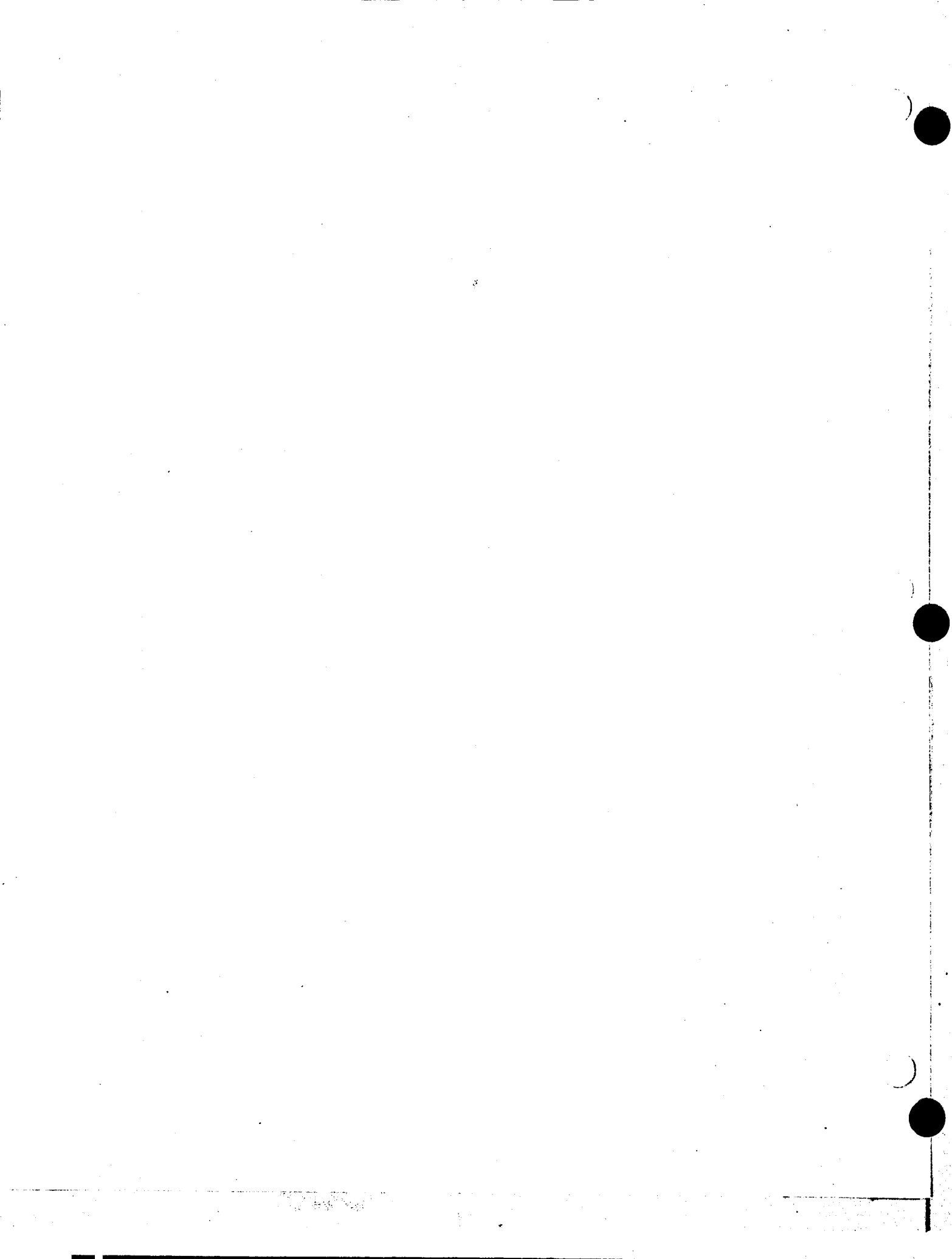
* EXCEPT 931, 48, 49, 63, 90, 95 - 1084, 85 - 1134, 35.

ALSO

+ REFER TO ReNEWED ASSEMBLIES CATALOG, PSM-501-2, FOR SPECIAL ORDERING INSTRUCTIONS.

**ReNEWED COMPONENTS AVAILABLE FOR THE
TD-25C CRAWLER DOZER**

Components	Engine	HP	RPM	Serial Number	New Service Part Number	ReNEW Service Part Number
Fuel Injection Pump	DT-817C	320	2100	5000 - Below	684 440 C91	749 032 C92
Fuel Injection Pump	DT-817C	338	2100	5001 - Up	684 446 C91	749 033 C92
Fuel Injection Pump					684 446 C92	749 892 C91
Fuel Injection Pump					687 224 C91	749 881 C91
Fuel Injector Nozzle	DT-817B			509 - 1861	702 509 C93	749 095 C91
Fuel Injector Nozzle	DT-817B			1861 - Up	678 058 C91	749 094 C91
Fuel Injector Nozzle				1861 - Up	*684 658 C91	*749 098 C91
* USE FOR DT-817B ENGINES WHICH HAVE CONVERTED TO THE 817C INJECTION SYSTEM.						
Fuel Injector Nozzle	DT-817C				684 658 C91	749 098 C91
Turbochargers					680 436 C93	749 250 C92
Rotating Assemblies	DT-817B				*702 112 C91	627 907 C91
Rotating Assemblies	DT-817B				#630 689 C93	630 690 C93
* USED W/TURBOCHARGER - 702 505 C91.						
# USED W/TURBOCHARGER - 680 436 C93						
Rotating Assembly	DT-817C				630 689 C93	630 690 C93
Water Pump	DT-817B				701 168 C95	749 293 C92
Water Pump	DT-817C			15859 - Below	701 168 C95	749 293 C92
Water Pump	DT-817C			15860 - Up	701 282 C95	749 300 C92
Transmission					700 019 C95	748 223 C92
CLUTCH PACKS						
Forward				3050 - Up	631 975 C91	748 302 C91
Reverse				3050 - Up	631 976 C91	748 303 C91
TORQUE CONVERTER						
					627 448 C92	748 121 C91
HYDRAULIC PUMPS						
Main Hydraulic					700 855 C92	748 228 C91
Steering				2037 - Below	625 389 C91	748 090 C91
Steering				2038 - Up	659 052 C92	748 203 C91



**REFER TO ALPHABETICAL INDEX
FOR COMPLETE LISTING OF PARTS**

MISCELLANEOUS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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QUICK REFERENCE**FILTER ELEMENTS AND BELTS****FOR****TD-25C PAYdozers****FILTER ELEMENTS****FUEL SYSTEM ELEMENTS****PART NO.**

Primary fuel filter element
Manual Shift 2043 and below
Power Shift 2023 and below

619 381 C1

Primary fuel filter element (screw on type)
Manual Shift 2044 and up
Power Shift 2024 and up

625 627 C1

AIR CLEANER ELEMENTS

Inner air cleaner element 6379 and below

702 753 C1

Outer air cleaner element 6379 and below

702 864 C1

Safety element 6380 and up

680 588 C1

Primary Element 6380 and up

680 587 C2

WET CLUTCH OIL SYSTEM ELEMENTS

Wet clutch oil supply pressure filter element

615 447 C1

TORQUE CONVERTER ELEMENTS

Pressure filter element with gasket
Power Shift 2915 and below

319 926 R91

Pressure filter element
Power Shift 2916 to 6057

631 144 C3

Pressure filter element
Power Shift 6058 and up

1 140 079 C1

Safety filter element with gasket

619 214 C1

Suction filter element

324 353 R91

HYDRAULIC RESERVOIR ELEMENTS

Return filter element
or
Return filter element

336 670 R5

666 219 C1

MISCELLANEOUS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
PRODUCT GRAPHICS			620 264 C91	PACKAGE, instructional product graphic (For units painted yellow) (Consists of the following - Cont. -	
603 291 C94		PACKAGE, identification product graphic (For units painted yellow)	§ 1	PRODUCT GRAPHIC, master switch On-Off	
OR			§ 1	PRODUCT GRAPHIC, oil level	
733 181 C91		PACKAGE, identification product graphic (For units painted other than yellow) (Replaces 547 495 R1) (x)	§ 1	PRODUCT GRAPHIC, oil pressure warning	
		(Consists of the following -	§ 1	PRODUCT GRAPHIC, operator's safety	
		§ 2 PRODUCT GRAPHIC, "TD-25" model symbol	§ 1	PRODUCT GRAPHIC, parking brake instruction	
		§ 1 PRODUCT GRAPHIC, "International" (front)	§ 1	PRODUCT GRAPHIC, precharge pressure instruction	
		§ 1 PRODUCT GRAPHIC, "International" (rear)	§ 1	PRODUCT GRAPHIC, pressurized hydraulic reservoir warning	
		§ 2 PRODUCT GRAPHIC, "International" (sides)	1	PRODUCT GRAPHIC, ROPS caution 70 571 C1	
		§ 3 PRODUCT GRAPHIC, "I.H." monogram	* § 1	PRODUCT GRAPHIC, shifting diagram	
		+ § 2 PRODUCT GRAPHIC, "SERIES B"	# § 1	PRODUCT GRAPHIC, transmission and steering diagram	
		§ 2 PRODUCT GRAPHIC, "SERIES C"	# § 1	PRODUCT GRAPHIC, travel direction change	
		+ § 2 PRODUCT GRAPHIC, "SERIES E"			
620 264 C91		PACKAGE, instructional product graphic (For units painted yellow) (Consists of the following -	312 552 R1	PLATE, turbocharger warning	
		1 PLATE, turbocharger warning 312 552 R1	622 750 C1	NAMEPLATE, starting switch	
		§ 1 PRODUCT GRAPHIC, air cleaner instruction (aspirated)	2 751 188 R1	PRODUCT GRAPHIC, air cleaner instruction (non-aspirated)	
		1 PRODUCT GRAPHIC, air cleaner instruction (non-aspirated) 2 751 188 R1	717 183 C1	PRODUCT GRAPHIC, debris screen caution	
		§ 1 PRODUCT GRAPHIC, alternator instruction	667 460 C1	PRODUCT GRAPHIC, engine enclosure caution	
		§ 1 PRODUCT GRAPHIC, cold start	2 754 277 R3	PRODUCT GRAPHIC, engine running with tractor stopped (*)	
		1 PRODUCT GRAPHIC, debris screen caution 717 183 C1	667 812 C1	PRODUCT GRAPHIC, hydraulic oil	
		1 PRODUCT GRAPHIC, engine enclosure caution 667 460 C1	2 754 371 R1	PRODUCT GRAPHIC, IHC of Canada (export only)	
		* 1 PRODUCT GRAPHIC, engine running with tractor stopped 2 754 277 R3	27 776 R1	PRODUCT GRAPHIC, IH monogram (t)	
		§ 1 PRODUCT GRAPHIC, engine start warning	712 875 C1	PRODUCT GRAPHIC, IH ripper control	
		§ 1 PRODUCT GRAPHIC, filter indicator	2 998 020 R2	PRODUCT GRAPHIC, patent marking (t)	
		§ 2 PRODUCT GRAPHIC, final drive oil filter	1 000 696 R1	PRODUCT GRAPHIC, radiator shutter control	
		§ 1 PRODUCT GRAPHIC, fuel	70 571 C1	PRODUCT GRAPHIC, ROPS caution	
		1 PRODUCT GRAPHIC, hydraulic oil 667 812 C1			
		§ 1 PRODUCT GRAPHIC, hydraulic reservoir filler cap warning			
		§ 1 PRODUCT GRAPHIC, hydraulic track adjuster caution			
		1 PRODUCT GRAPHIC, I.H. ripper control 712 875 C1			

- (x) - As Required.
- § - Not Furnished Separately.
- + - Not Used On This Machine.
- * - For Manual Shift.
- # - For Power Shift.
- (t) - For Use With Cab.

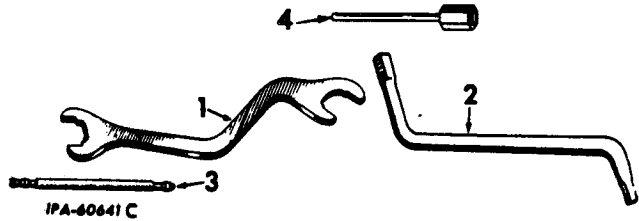
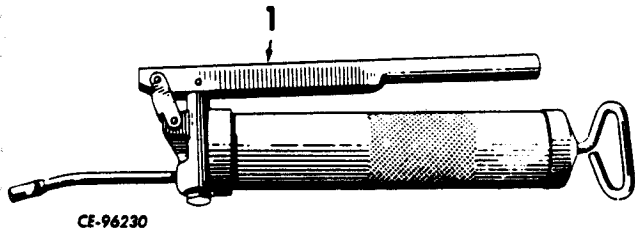
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REF. NO.	PART NUMBER	DESCRIPTION
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REF. NO.	PART NUMBER	DESCRIPTION
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TOOLS

TOOLS

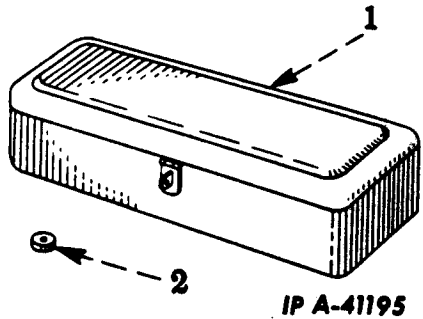


999 677 R91 ATTACHMENT, hand type lubricator
(Consists of lubricator, 999 667 R91)
(See NOTES 1 and 3)

1 999 677 R91 LUBRICATOR, hand (15 oz. size)

- 1 617 219 C2 WRENCH, high and low range brake adjusting
- 2 304 910 R2 WRENCH, socket plug (Not furnished as part of unit) (for service only)
- 3 271 407 R91 EXTENSION, flexible grease gun
- 4 310 944 R91 NOZZLE, lubricator tank
- 715 423 C1 COUPLING, female

TOOL BOX



NOTE 1 - Factory Application - Order on Machine Order Form.

NOTE 3 - Field Application - Order Through Regular Service Channels.

1 325 479 R91 BOX, tool (Replaces 280 655 R91)

OR

1 636 114 C1 BOX, tool
24 840 R1 BOLT (4)
25 522 R1 NUT (4)
115 093 WASHER, lock (4)

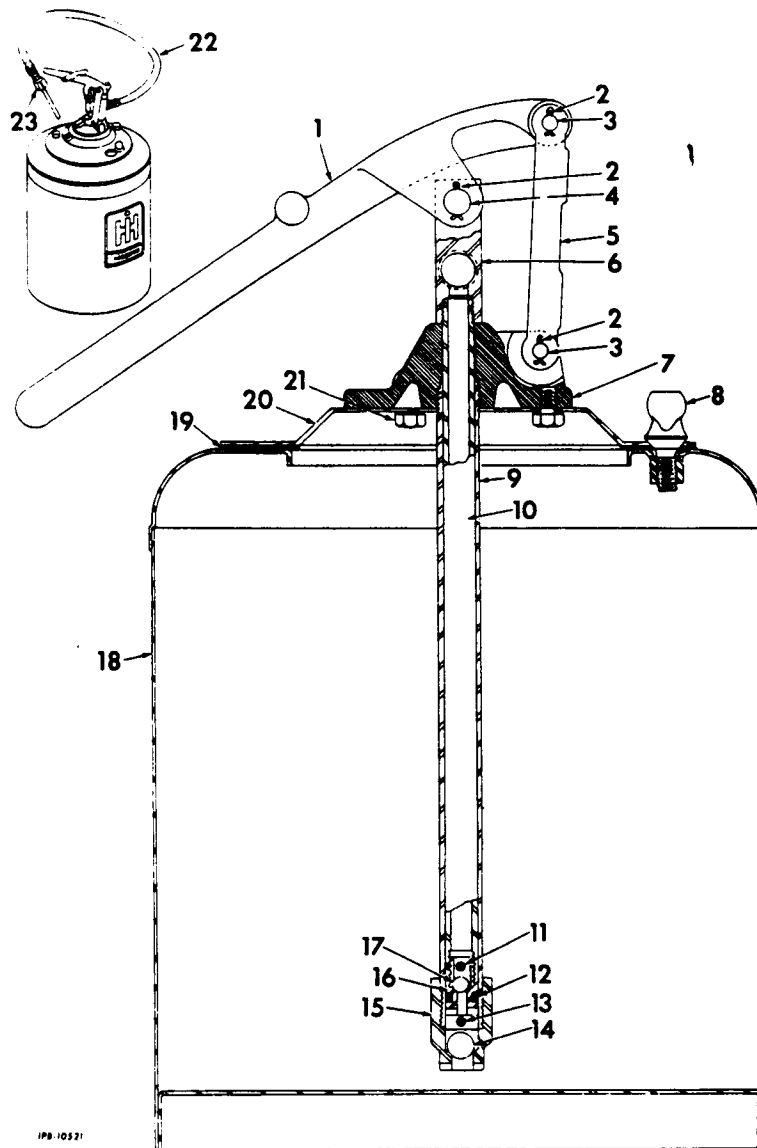
2 SPACER, tool box (Not furnished separately) (4)

650 382 C91 PADLOCK w/KEYS (Part of ATTACHMENT, 632 176 C91 and 632 177 C91)

MISCELLANEOUS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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LUBRICATOR
(Tank Type)



1P9-10521

	309 015 R91	LUBRICATOR ASSY (Consists of the following parts)	7	310 923 R1	BODY, pump
1	55 482 D	HANDLE, lever	8	55 479 D	SCREW, container cover (3)
2		PIN, 3/32 x 1/2" cotter (3)	9	53 206 D	TUBE, pump
3	40 638 D	PIN, toggle (2)	10	53 205 D	ROD, piston
4	40 635 D	PIN, handle	11	53 200 D	PIN, piston
5	277 153 R1	TOGGLE	12	53 203 D	PACKING, piston
6	53 202 D	OUTLET, pump	13	53 201 D	PIN, foot valve
			14	H-5 476	BALL, check

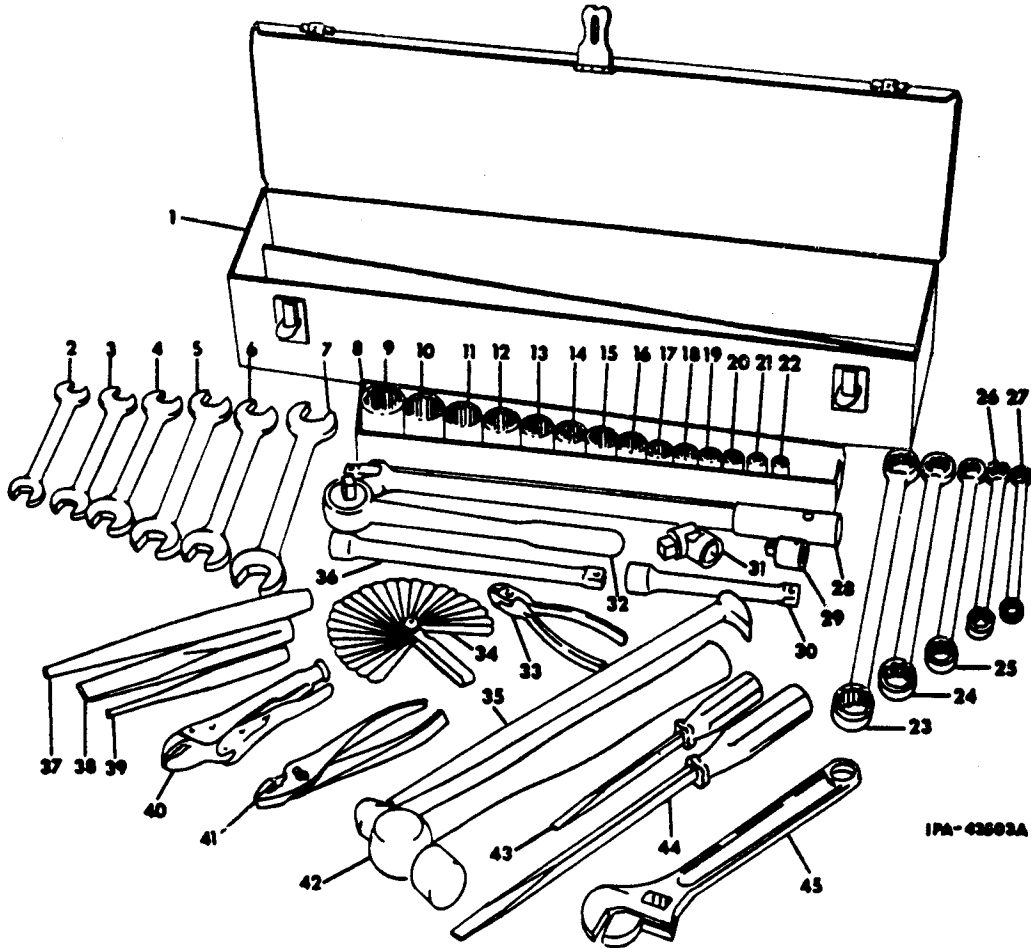
MISCELLANEOUS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
LUBRICATOR - Continued (Tank Type)					
15	53 199 D	BODY, foot valve			
16	53 198 D	PISTON, plunger			
17	39 659 D	BALL, pump check			
18	53 209 D	CONTAINER w/GASKET, 278 919 R1 and three SCREW, 55 479 D			
19	278 919 R1	GASKET, container cover			
20	310 924 R91	COVER, container			
21		SCREW, 1/4 x 7/16" hex-hd cap (3) WASHER, 1/4" internal-tooth lock (3)			
22	53 207 D	HOSE, lubricator (3 ft. long)			
23	310 944 R91	NOZZLE, lubricator			

MISCELLANEOUS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TOOL SET
(Owatonna Tool Co.)



IPA-43683A

1	H-391	BOX, tool	17	124	SOCKET (3/4")
2	E-1416	WRENCH, end (7/16 x 1/2")	18	122	SOCKET (11/16")
3	E-1820	WRENCH, end (9/16 x 5/8")	19	120	SOCKET (5/8")
4	E-2022	WRENCH, end (5/8 x 11/16")	20	118	SOCKET (9/16")
5	E-2426	WRENCH, end (3/4 x 13/16")	21	116	SOCKET (1/2")
6	E-2628	WRENCH, end (13/16 x 7/8")	22	114	SOCKET (7/16")
7	E-3032	WRENCH, end (15/16 x 1")	23	B-3032	WRENCH, box (15/16 x 1")
8	195	TRAY	24	B-2628	WRENCH, box (13/16 x 3/4")
9	140	SOCKET (1-1/4")	25	B-2024	WRENCH, box (5/8 x 3/4")
10	138	SOCKET (1-3/16")	26	B-1820	WRENCH, box (9/16 x 5/8")
11	136	SOCKET (1-1/8")	27	B-1416	WRENCH, box (7/16 x 1/2")
12	134	SOCKET (1-1/16")	28	H-177	HANDLE, flex
13	132	SOCKET (1")	29	D-1612	ADAPTER (1/2" female, 3/8" male)
14	130	SOCKET (15/16")	30	H-172	EXTENSION (6")
15	128	SOCKET (7/8")	31	H-189	JOINT, universal
16	126	SOCKET (13/16")	32	H-163	RATCHET (reversible)
			33	700-B	CUTTER, diagonal (6")

NOTE: Order individual tools and complete tool sets from Service Tools, P.O. Box 314 Owatonna, Minnesota 55060

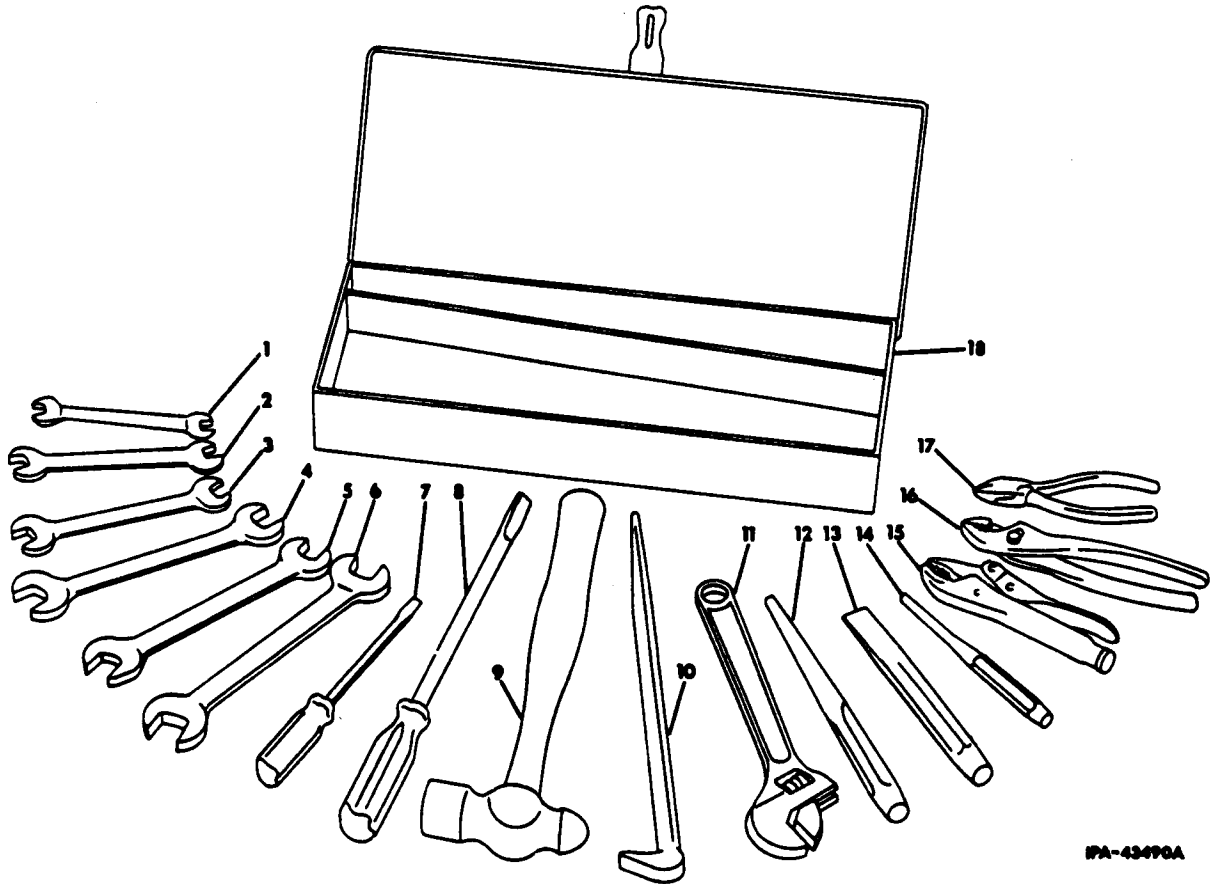
MISCELLANEOUS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TOOL SET - Continued (Owatonna Tool Co.)					
34	861	GAUGE, feeler (25 blades)			
35	PB-43	BAR, pry (9/16" rd x 16" long)			
36	H-173	EXTENSION (10")			
37	TP-24	PUNCH (5/16" bit x 10" long)			
38	CC-24	CHISEL (7/8" bit x 8" long)			
39	PP-6	PUNCH (3/16" bit x 7" long)			
40	735	WRENCH, vise grip (7")			
41	712-A	PLIER (slip joint, 8")			
42	BP-32	HAMMER (ball peen)			
43	SS-83	SCREWDRIVER (1/4" shank)			
44	SS-123	SCREWDRIVER (3/8" shank)			
45	DA-12	WRENCH (12", adjustable)			

MISCELLANEOUS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TOOL SET
(Owatonna Tool Co.)



IPA-43490A

		TOOL SET (consists of seventeen tools and tool box) (also see "Tools" listed in "Miscellaneous" section of this catalog) (IH part number 276 820 R91) (see NOTE)	12	TP-24	PUNCH (5/16" bit x 10" long)
			13	CC-24	CHISEL (7/8" bit x 8" long)
			14	PP-6	PUNCH (3/16" bit x 10" long)
1	E-1416	WRENCH, end (7/16 x 1/2")	15	735	WRENCH, vise grip (7")
2	E-1820	WRENCH, end (9/16 x 5/8")	16	712-A	PLIER (slip joint, 8")
3	E-2022	WRENCH, end (5/8 x 11/16")	17	700-B	CUTTER, diagonal (6")
4	E-2426	WRENCH, end (3/4 x 13/16")	18	H-190	BOX, tool
5	E-2628	WRENCH, end (13/16 x 7/8")			
6	E-3032	WRENCH, end (15/16 x 1")			
7	SS-83	SCREWDRIVER (1/4" shank)			
8	SS-123	SCREWDRIVER (3/8" shank)			
9	BP-32	HAMMER (ball peen)			
10	PB-43	BAR, pry (9/16" rd x 16" long)			
11	DA-12	WRENCH (12", adjustable)			

NOTE: Order individual tools and complete tool sets from Service Tools, P.O. Box 314 Owatonna, Minnesota 55060

AIR

3

NOT USED ON THIS MACHINE

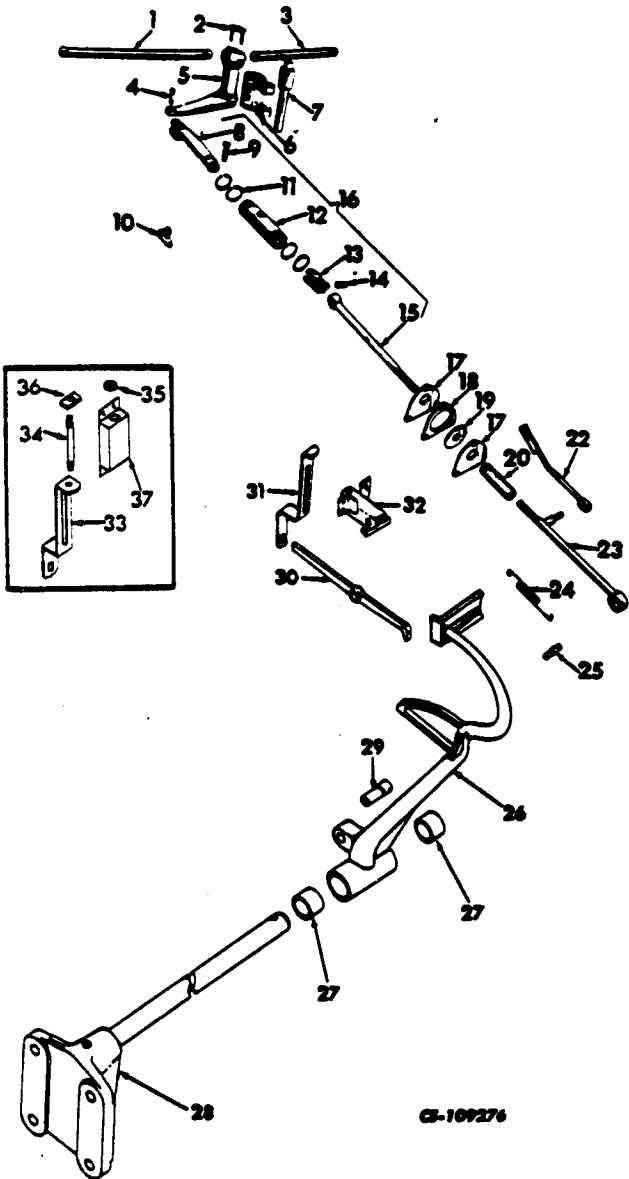
**REFER TO ALPHABETICAL INDEX
FOR COMPLETE LISTING OF PARTS**

BRAKES

REF. NO.	PART NUMBER	DESCRIPTION
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REF. NO.	PART NUMBER	DESCRIPTION
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BRAKE CONTROLS
(Foot Pedal)



4	259 117 R1	PIN, manual brake operating rod, rear link
	103 385	PIN, cotter
5	259 132 R1	LEVER, manual brake operating
6	259 129 R21	ARM, manual brake equalizer
	181 377	SCREW, NF, hex-hd cap (4)
	115 093	WASHER, lock (4)
7	259 131 R1	PIN, manual brake equalizer arm pivot
8	259 115 R1	LINK, manual brake operating rod
9	259 116 R1	PIN, manual brake operating rod, front link
10	259 124 R1	BRACKET, manual brake operating rod guide stop
	25 272 R1	SCREW, hex-hd cap (2)
	131 037	WASHER, lock (2)
11	259 109 R1	RING, manual brake operating rod guide, sealing (4)
12	259 108 R1	GUIDE, manual brake operating rod
13	259 110 R1	COUPLING, manual brake operating rod guide
14	259 107 R1	PIN, manual brake operating rod, rear pivot
15	271 166 R91	ROD, manual brake rear operating
16	271 164 R91	CONTROL ASSEMBLY, manual brake
17	269 849 R2	COVER, manual brake operating rod guide (2)
	25 496 R1	SCREW, hex-hd cap (3)
	115 093	WASHER, lock (3)
18	269 851 R1	PLATE, manual brake operating rod guide cover
19	269 852 R1	WASHER, manual brake operating rod guide
20	59 311 D	TURNBUCKLE, manual brake operating rod
		NUT, 5/8 NF, LH jam
		NUT, 5/8 NF jam
22	700 011 C1	ROD, hydraulic brake manual assist link
	103 341	WASHER (3)
	103 496	PIN, 3/8" rod end
	103 373	PIN, 3/32" cotter (2)
23	314 684 R91	ROD, hydraulic brake operating front
	103 386	PIN, cotter
	271 169 R1	WASHER, hydraulic brake operating rod
24	322 633 R1	SPRING, manual brake pedal return
25	616 325 C1	PIN, brake pedal spring anchor

1	259 119 R1	ROD, manual pivot brake, RH operating push
2	103 762	PIN, manual pivot brake push rod, retaining (Replaces 259 120 R1)
	25 770 R1	SCREW, NF hex-hd cap
	115 093	WASHER, lock
3	259 118 R1	ROD, manual pivot brake, LH operating push

BRAKES

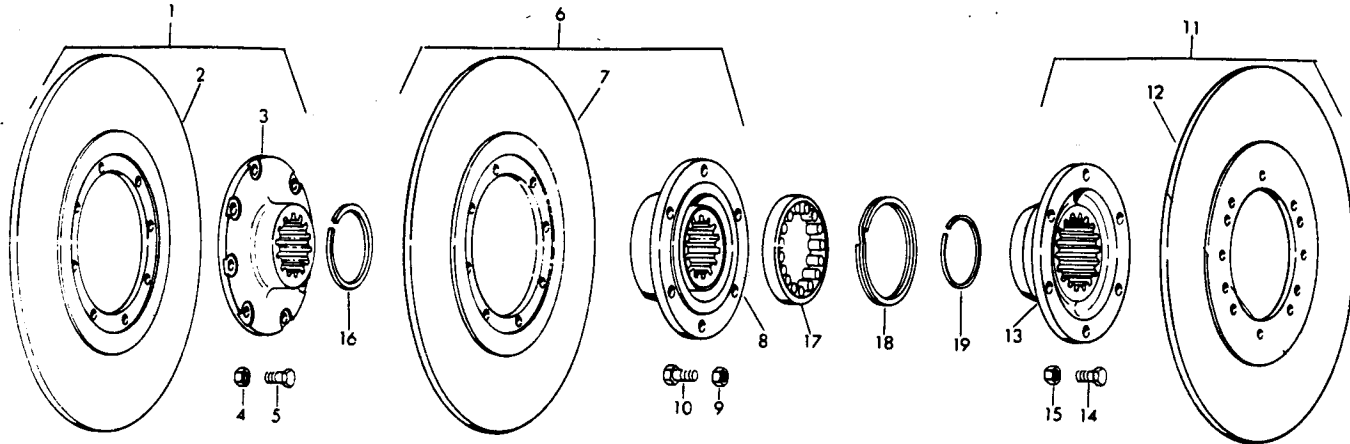
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BRAKE CONTROLS - Continued (Foot Pedal)					
26	617 481 C11	PEDAL ASSEMBLY, manual brake (Not used w/CAB) (Composed of - 2 BUSHING 314 916 R1 § 1 PEDAL 1 PIN 314 910 R1 1 PIN 616 325 C1)			
26	632 447 C1	PEDAL ASSEMBLY, manual brake (Used w/CAB) (Composed of - 2 BUSHING 314 916 R1 § 1 PEDAL 1 PIN 314 910 R1 1 PIN 616 325 C1)			
27	314 916 R1	BUSHING, brake pedal support (2)			
28	617 482 C11	SUPPORT w/PIN, 137 945, brake pedal			
	24 873 R1	SCREW, hex-hd cap (3)			
29	314 910 R1	PIN, brake pedal rod end			
30	617 480 C1	PAWL, manual brake			
	108 635	PIN, 1/8" cotter			
	138 145	PIN, 3/4" rod end			
	103 346	WASHER			
31	617 891 C1	LEVER, manual brake pedal operating (Not used w/CAB)			
32	700 427 C1	BRACKET, brake pawl and stop			
	24 839 R1	SCREW, hex-hd cap			
	115 093	WASHER, lock (3)			
33	632 443 C1	LEVER, manual brake pedal operating (Used w/CAB)			
34	632 444 C1	EXTENSION, brake pawl (Used w/CAB)			
	25 520 R1	NUT (2)			
35	134 252	GROMMET (Used w/CAB)			
36	632 446 C1	BAR, brake pawl (Used w/CAB)			
	25 520 R1	NUT (2)			
37	632 445 C1	HOUSING, brake pawl (Used w/CAB)			
	172 427	SCREW, hex-hd cap (2)			
	603 475 C1	GUIDE, manual brake pawl operating lever (2)			
	25 519 R1	NUT (2)			
	115 109	WASHER (2)			
	106 261	WASHER, flat (2)			
	137 945	PIN, manual brake pedal shaft (3/8 x 3-1/4" straight)			
	259 142 R1	WASHER, manual brake pedal retaining			
	103 413	PIN, cotter			

§ - Not Furnished Separately.

BRAKES

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BRAKE DISCS



1	607 765 C91	DISC and HUB ASSEMBLY, steering brake (2) (Composed of - 8 BOLT 338 257 R1 1 DISC 607 767 C1 1 HUB 267 614 R1 8 NUT 19 409 R2)	12	263 253 R3	DISC, low-speed sun gear brake (2)
			13		HUB, low-speed sun gear brake disc (Order DISC ASSY, 703 577 C91)
2	607 767 C1	DISC, steering brake (2)	14	338 282 R1	BOLT, low-speed sun gear brake disc dowel (oversize) (X)
3	267 614 R1	HUB, steering brake disc (2)	15	19 409 R2	NUT, 5/8 NF stop (ESNA) (low- speed sun gear brake disc dowel bolt) (12)
4	19 409 R2	NUT, 5/8 NF stop (ESNA) (steering brakes, disc dowel bolt) (16)	16	479 665 R1	RING, high-speed sun gear retainer (outer) (*) (2)
5	338 257 R1	BOLT, steering brake disc dowel (16)	17	615 944 C91	BEARING, high-speed sun gear (*) (2)
5	338 282 R1	BOLT, steering brake disc dowel (oversize) (X)	18	22 716 R1	RING, high-speed sun gear bearing retainer (*) (2)
6	703 576 C92	DISC ASSEMBLY, high-speed sun gear (2) (Composed of - 6 BOLT 338 257 R1 1 DISC 263 253 R3 § 1 HUB 6 NUT 19 409 R2)	19	617 964 C1	RING, high-speed sun gear retainer (inner) (*) (2)
7	263 253 R3	DISC, high-speed sun gear brake (2)			
8		HUB, high-speed sun gear brake disc (order DISC ASSEMBLY, 703 576 C91)			
9	19 409 R2	NUT, 5/8 NF stop (ESNA) (high-speed sun gear disc dowel bolt) (12)			
10	338 257 R1	BOLT, high-speed sun gear brake disc dowel (12)			
10	338 282 R1	BOLT, high-speed sun gear brake disc dowel (oversize) (X)			
11	703 577 C92	DISC ASSEMBLY, low-speed sun gear brake (2) (Composed of - 6 BOLT 338 257 R1 1 DISC 263 253 R3 § 1 HUB 4 NUT 19 409 R2)			

§ - Not Furnished Separately.

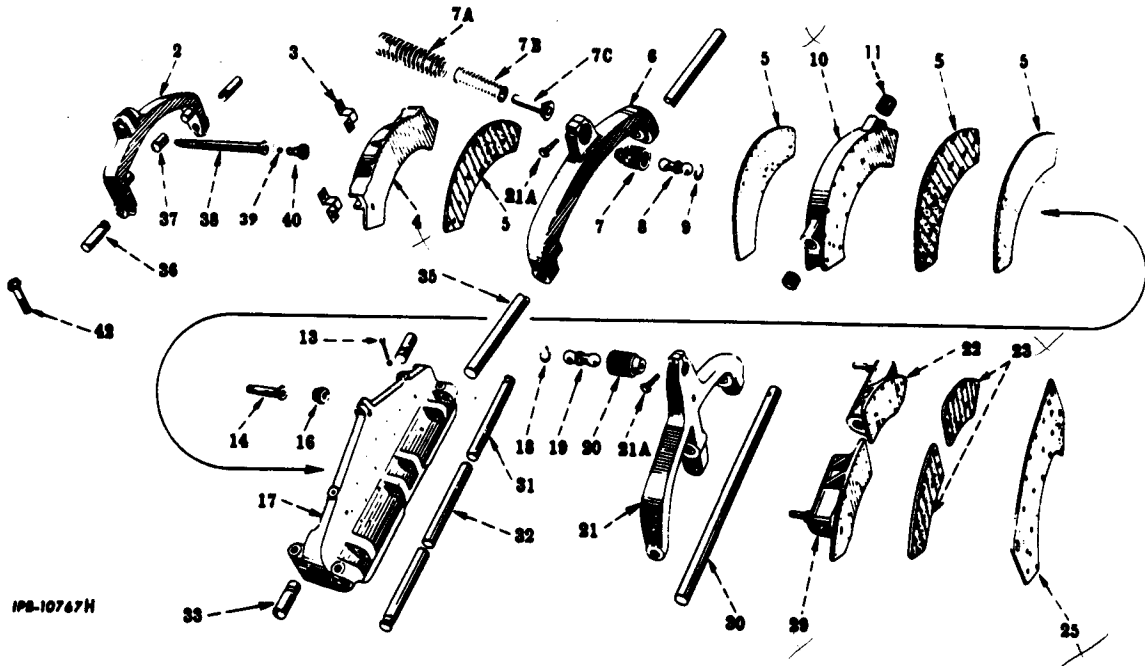
(X) - As Required.

(*) - Not Part of Low-Speed Sun Gear
Disc Assembly.

BRAKES

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BRAKE SHOES AND FORK



IPB-10767H

2	259 078 R21 25 529 R1 24 890 R1	FORK, low-range brake adjusting (2) NUT (4) SCREW, hex-hd cap (4)	7C	259 086 R11	RETAINER, high-range brake pressure spring (2)
3	620 317 C1 25 496 R1 115 093	CLIP, low-range brake adjusting shoe (4) SCREW, hex-hd cap (8) WASHER, lock (8)	8	259 089 R1	ROD, high and low-range brake fork push (2)
X 4	254 672 R99	SHOE, low range brake adjusting (2) (Consists of - 4 BOLT 25 496 R1 2 CLIP 620 317 C1 2 DOWEL 607 572 C1 1 LINING \$ 18 RIVET 130 967 H 1 SHOE \$ 4 WASHER 115 093)	X 10	259 075 R43	SHOE, high and low-range brake (2) (Consists of - 2 BUSHING 125 320 H1 2 DOWEL 607 572 C1 2 LINING \$ 18 RIVET 130 967 H 1 SHOE \$)
5	607 573 C91	PACKAGE, brake field service lining (Consists of LINING, eighteen RIVET, 130 967 H, and two DOWEL, 607 572 C1) (x)	11	125 320 H1	BUSHING (used w/SHOE 259 075 R43) (4)
6	259 067 R2	FORK, high and low-range brake (2)	13	259 074 R1 25 523 R1	SCREW, pivot brake shoe guide pin (4) NUT (4)
7	259 088 R2	SCREW, high and low-range brake adjusting (2)	14	259 083 R1	BOLT, pivot brake bracket tie (2)
7A	331 523 R2	SPRING, high-range brake, outer (2)	16	279 995 R1	RETAINER, brake fork bracket tie bolt (2)
7B	259 084 R1	SPRING, high-range brake, inner (2)			\$ Not Furnished Separately

BRAKES

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BRAKE SHOES AND FORK - Continued					
17	259 058 R23	BRACKET, brake fork (2) (Consists of— 1 BRACKET \$ 2 DOWEL 607 572 C1 1 LINING \$ 18 RIVET 130 967 H)	30	259 073 R1	PIN, pivot brake shoe (2)
			31	259 065 R1	PIN, pivot brake fork, outer (4)
			32	259 066 R1 103 410	PIN, center pivot brake fork (2) PIN, cotter (4)
18	259 090 R2	RETAINER, pivot brake fork push rod (2)	33	259 068 R1	PIN, high and low-range brake fork (4)
19	259 089 R1	ROD, pivot brake fork push (2)	35	259 076 R4	PIN, high and low-range brake shoe (4)
20	259 103 R1	SCREW, pivot brake adjusting (2)	36	254 678 R1	PIN, low-range brake adjusting fork (4)
21	654 426 C1 16 926 R1	FORK, pivot brake (2) PIN, cotter (4)	37	259 079 R1	SLEEVE, low-range brake adjusting bolt (2)
21A	264 029 R2 18 452 R1	BOLT, brake adjusting screw clamp (4) NUT, ESNA elastic stop (4)	38	624 203 C91	BOLT, w/PLUG, 172 528, low-range brake adjusting (2)
			39	172 528	PLUG, 9/16" expansion (2)
22	611 069 C93	SHOE, RH front pivot brake (Consists of — 2 DOWEL 607 572 C1 1 LINING \$ 12 RIVET 130 967 H 1 SHOE \$)	40	279 996 R2	RETAINER, low-range brake adjusting bolt (2)
			42	331 309 R2	BOLT, brake fork pivot bracket (short) (4)
22	611 069 C93	SHOE, LH rear pivot brake (Consists of — 2 DOWEL 607 572 C1 1 LINING \$ 12 RIVET 130 967 H 1 SHOE \$)		331 310 R2	BOLT, brake fork pivot bracket (long) (4)
				259 133 R1 67 703 R1	BOLT, brake fork tie rod clamp (2) NUT, 1/2 NF elastic stop (2)
X 23	607 764 C91	PACKAGE, Pivot brake shoe field service lining (consists of LININGS, four DOWEL, 607 572 C1, and twenty-four RIVET, 130 967 H (x)		607 572 C1	DOWEL, brake lining plate (Part of PACKAGES, 607 764 C91 and 607 573 C91) (x)
				130 967 H	RIVET (Part of PACKAGES, 607 764 C91 and 607 573 C91) (x)
X 25	611 066 C92	SHOE, w/LINING, pivot brake backing (2)		268 724 R1	RIVET (Part of SHOE, 611 066 C91) (x)
	25 770 R1 115 093	SCREW, NF, hex-hd cap (4) WASHER, lock (4)		268 725 R1	RIVET (Part of SHOE, 254 672 R97, 259 075 R93, 611 068 C91, 611 069 C91 and BRACKET, 259 058 R21) (x)
X 29	611 068 C93	SHOE, RH rear pivot brake (Consists of — 2 DOWEL 607 572 C1 1 LINING \$ 12 RIVET 130 967 H 1 SHOE \$)		607 768 C91	PACKAGE, brake shoe lining service (consists of two SHOE, 611 066 C92, eight PACKAGE, 607 573 C91, and two PACKAGE, 607 764 C91) (x)
29	611 068 C93	SHOE, LH front pivot brake (Consists of — 2 DOWEL 607 572 C1 1 LINING \$ 12 RIVET 130 967 H 1 SHOE \$)			

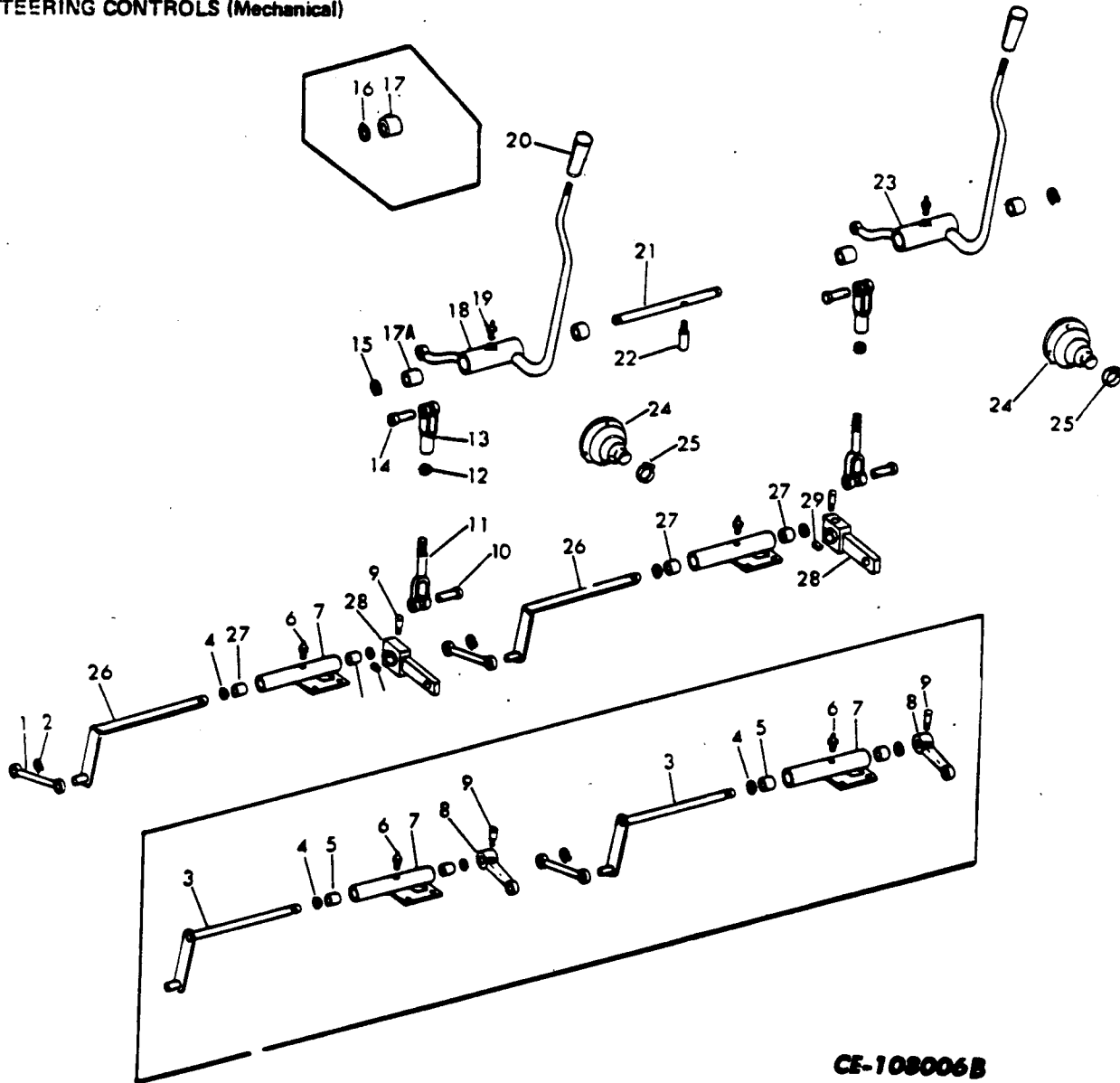
(x) - As Required.
(\$) - Not Furnished Separately.

**REFER TO ALPHABETICAL INDEX
FOR COMPLETE LISTING OF PARTS**

STEERING

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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STEERING CONTROLS (Mechanical)



CE-108006B

1	617 890 C1 103 384	LINK, steering control horizontal (2) PIN, cotter (2)	6	109 461	FITTING, cross shaft lubrication (2)
2	269 192 R1	RING, steering control horizontal link retainer (2)	7	620 427 C91 27 768 R1	HUB, cross shaft (2) BOLT (4)
3	703 557 C1	LEVER, cross shaft (2) Manual Shift 5623 and below (2) Power Shift 5623 and below	8	617 885 C1	LEVER, steering control (2) Manual Shift 5623 and below (2) Power Shift 5623 and below
4	152 181 C91	SEAL, cross shaft lever lubrication (optional w/SEAL, 619, 210 C91) (4)	9	42 739 DA 25 930 R1 103 319	PIN, steering control lever (2) NUT, 1/4" NF jam (2) WASHER, lock (2)
4	619 210 C91	SEAL, cross shaft lever lubrication (optional w/SEAL, 152 181 C91) (4)	10	138 086 103 384	PIN, 1/2" (CD-ZN) rod end clevis (2) PIN, cotter (2)
5	308 674 R91	BEARING, cross shaft (4) Manual Shift 5623 and below (4) Power Shift 5623 and below	11	604 106 C11	ROD, w/CLEVIS, steering control (2)
			12	25 527 R1	NUT, 1/2 NF (phc) (Type B) (2)

STEERING

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
STEERING CONTROLS (Mechanical) - Continued					
13	144 245	CLEVIS, steering control adjustable rod end (2)	23	663 493 C1	LEVER, LH steering control hand 2994 and up
14	138 086 103 384	PIN, rod end clevis (2) PIN, cotter (2)	24	632 433 C1	BOOT, steering lever (Used w/CAB) (2)
15	454 417 R1	RING, pivot shaft seal retainer snap (2)	25	311 164 C91	CLAMP, steering lever boot (Used w/CAB) (2)
16	152 181 C91	SEAL, steering control pivot shaft lubrication (optional w/SEAL, 619 210 C91) (order BEARING, 630 836 C91) (4) Manual Shift 2395 and below Power Shift 2395 and below	26	709 297 C1	LEVER, cross shaft (2) Manual Shift 5624 and up (2) Power Shift 5624 and up
16	619 210 C91	SEAL, steering control pivot shaft lubrication (Optional w/SEAL, 152 181 C91) (Order BEARING, 630 836 C91) (4) Manual Shift 2395 and below Power Shift 2395 and below	27	630 836 C91	BEARING, cross shaft (4) Manual Shift 5624 and up (4) Power Shift 5624 and up
17	308 674 R91	BEARING, steering lever (4) Manual Shift 2395 and below Power Shift 2395 and below			OR
17A	630 836 C91	BEARING, w/SEAL, steering lever (TORRINGTON) (optional w/BEARING, 630 837 C91) (4) Manual Shift 2396 and up Power Shift 2396 and up	27	630 837 C91	BEARING, cross shaft (4) Manual Shift 5624 and up (4) Power Shift 5624 and up
17A	630 837 C91	BEARING, w/SEAL, steering lever (INA) (optional w/BEARING, 630 836 C91) (4) Manual Shift 2396 and up Power Shift 2396 and up	28	709 299 C1	LEVER, steering control (2) Manual Shift 5624 and up (2) Power Shift 5624 and up
18	703 556 C1	LEVER, RH steering control hand (order LEVER, 663 493 C1, and LEVER, 663 494 C1) 2993 and below		24 843 R1 115 093 25 522 R1	BOLT (2) WASHER, lock (2) NUT (2)
18	663 494 C1	LEVER, RH steering control hand 2994 and up	29	659 780 C1	KEY, (used w/LEVER 709 297 C1)
19	126 152	FITTING, steering control pivot shaft lubrication (2)			
20	347 768 R1	HANDLE, steering control hand lever (2) (will work for BALL, 264 097 R2)			
21	617 884 C1 271 169 R1	SHAFT, steering control pivot WASHER, pivot shaft seal retainer (2)			
22	60 767 R1 25 522 R1 115 093	PIN, steering control pivot shaft NUT WASHER, lock			
23	703 555 C1	LEVER, LH steering control hand (order LEVER, 663 493 C1, and LEVER, 663 494 C1) 2993 and below			

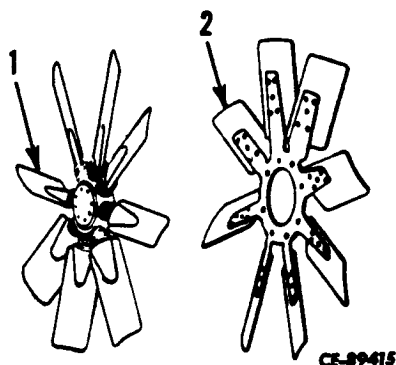
**REFER TO ALPHABETICAL INDEX
FOR COMPLETE LISTING OF PARTS**

COOLING

6

COOLING

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BLOWER FAN, SUCTION FAN AND REVERSIBLE FAN			2	619 699 C1	FAN, suction (ATTACHMENT D)
				25 523 R1	NUT, NF (8)
				25 779 R1	SCREW, hex-hd cap (8)
				115 093	WASHER, lock (8)



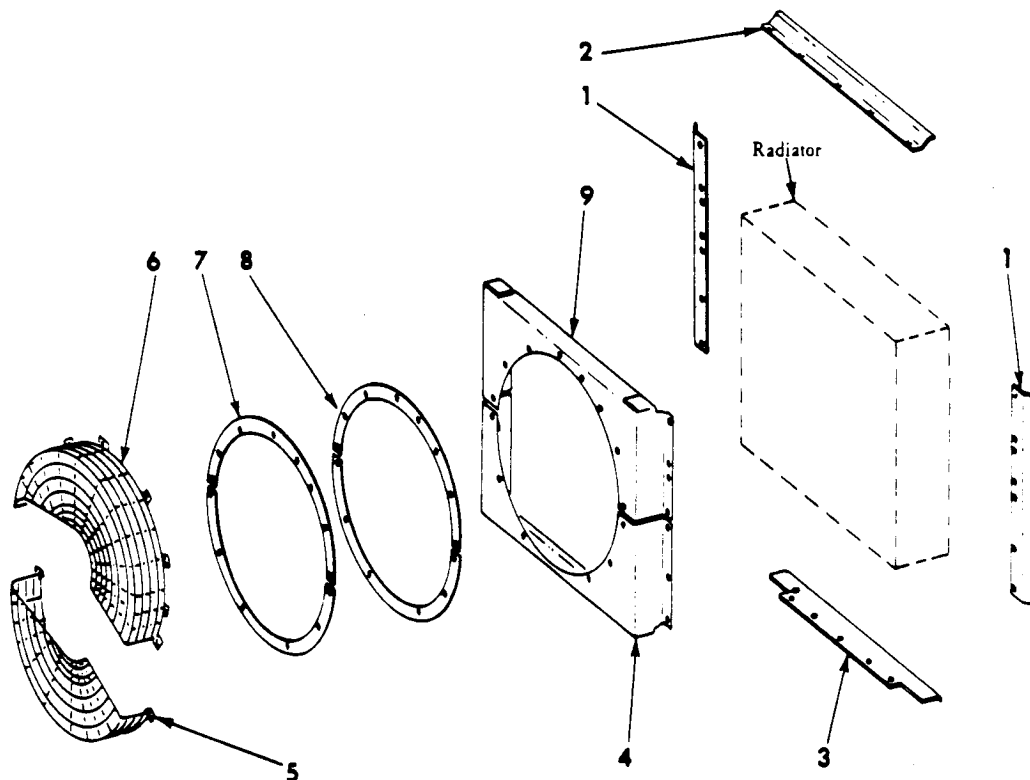
A	700 076 C91	ATTACHMENT, reversible fan (See NOTE 3) Manual Shift 1222 and below Power Shift 1222 and below
B	700 079 C91	ATTACHMENT, suction fan (See NOTE 3) Manual Shift 1222 and below Power Shift 1222 and below
C	629 916 C91	ATTACHMENT, reversible fan (See NOTE 3) Manual Shift 1223 and up Power Shift 1223 and up
D	624 075 C91	ATTACHMENT, suction fan (See NOTE 3) Manual Shift 1223 to 3300 Power Shift 1223 to 3300
E		SERVICE PARTS, for blower fan (Standard)
1	702 896 C2	FAN, reversible (ATTACHMENT A)
1	347 061 R93	FAN, reversible (ATTACHMENT C)
	25 523 R1	NUT, NF (8)
	80 297 R1	SCREW, hex-hd cap (8)
	115 093	WASHER, lock (8)
2	606 866 C91	FAN, blower (36" dia.) (Standard) (SERVICE PARTS E) Manual Shift 1222 and below Power Shift 1222 and below
2	619 792 C1	FAN, blower (SERVICE PARTS E) Manual Shift 1223 and up Power Shift 1223 and up
	25 523 R1	NUT, NF (8)
	25 773 R1	SCREW, hex-hd cap (8)
	115 093	WASHER, lock (8)
2	702 231 C1	FAN, suction (ATTACHMENT B)

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

COOLING

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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FAN SHROUDS, FAN GUARDS AND BAFFLES

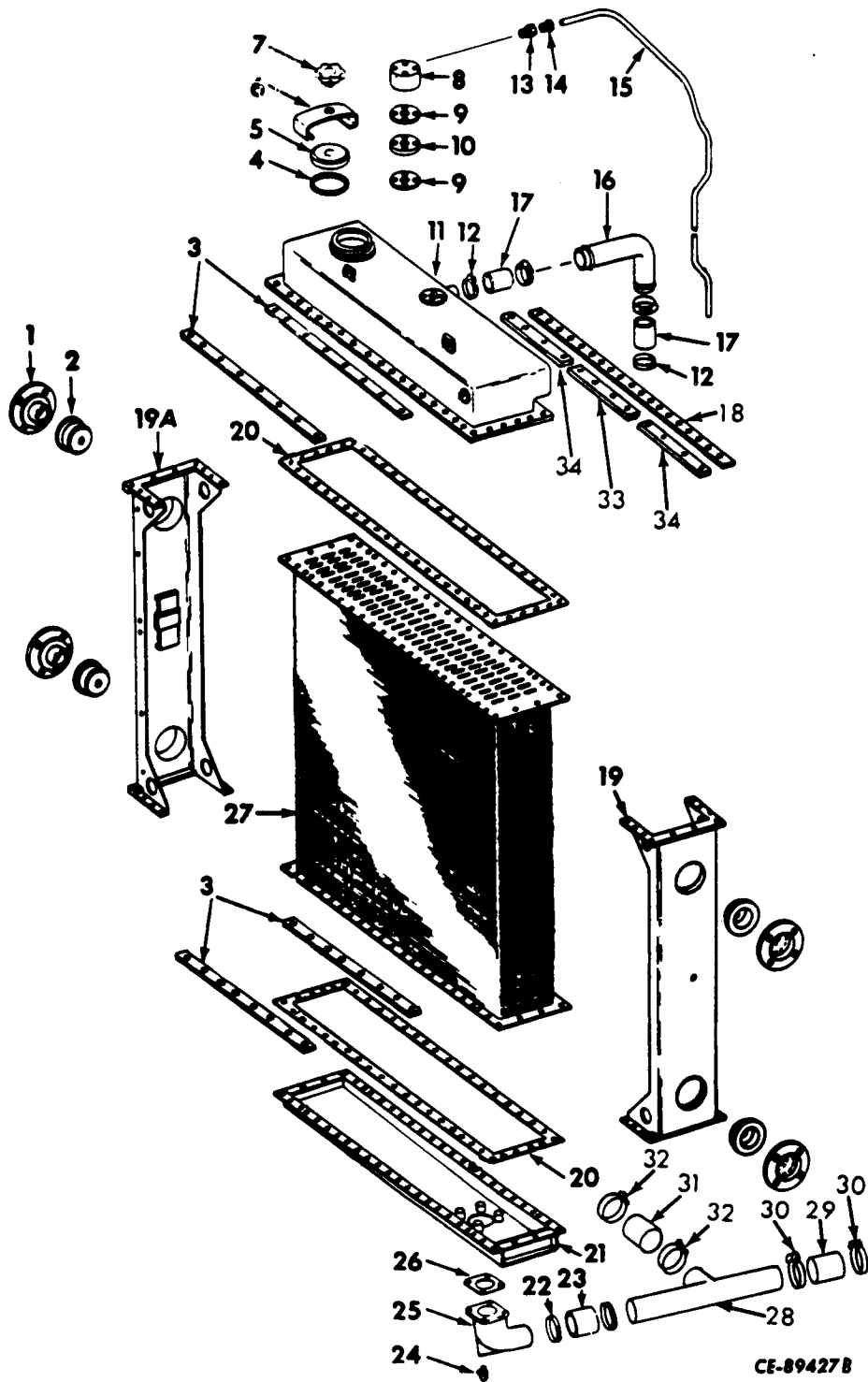


IPB-13194

1	617 479 C1 25 961 R1 116 120 25 533 R1	BAFFLE, radiator side air (2) SCREW, hex-hd cap (10) WASHER, lock (10) WASHER, flat (10)	5	700 411 C3 27 347 R1 25 553 R1	GUARD, fan lower BOLT (5) WASHER, flat (5)
2	617 002 C1 24 838 R1 115 093	BAFFLE, radiator upper air SCREW, hex-hd cap (5) WASHER, lock (5)	6	703 523 C3 27 347 R1 25 553 R1	GUARD, fan upper (not used w/ Hydraulic Radiator Guard) BOLT (5) WASHER, flat (5)
3	620 584 C1 24 838 R1 115 093	BAFFLE, radiator lower air* SCREW, hex-hd cap (5) WASHER, lock (5)	7	617 849 C2 376 811 R1 128 145	STIFFENER, fan shroud liner (2) SCREW, hex-hd cap (5) WASHER, flat (5)
3		BAFFLE, radiator lower air (used with radiator debris screen) (Refer to "RADIATOR DEBRIS SCREEN")	8	617 848 C2	LINER, fan shroud (2)
4	700 426 C1	SHROUD, fan lower* Manual Shift 1222 and below Power Shift 1222 and below	9	700 425 C1	SHROUD, fan upper* Manual Shift 1222 and below Power Shift 1222 and below
4	624 205 C1 25 961 R1 116 120 106 261 25 752 R1	SHROUD, fan lower* Manual Shift 1223 and up Power Shift 1223 and up SCREW, hex-hd cap (6) WASHER, lock (6) WASHER, flat (6) BOLT (2)	9	624 104 C1 25 961 R1 116 120 106 261 25 751 R1	SHROUD, fan upper* Manual Shift 1223 and up Power Shift 1223 and up SCREW, hex-hd cap (8) WASHER, lock (8) WASHER, flat (8) BOLT (2)
4		SHROUD, fan lower (used with radiator debris screen) (Refer to "RADIATOR DEBRIS SCREEN")	9		SHROUD, fan upper (Used w/ radiator debris screen (Refer to "RADIATOR DEBRIS SCREEN"))
			117 959		GROMMET, upper baffle

*Not used with radiator debris screen attachment

RADIATOR AND CONNECTIONS (%)
 (Not used with Radiator
 Debris Screen Attachment)



COOLING

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
RADIATOR AND CONNECTIONS (%) - Continued (Not used with Radiator Debris Screen Attachment)			11	625 943 C1	TANK, radiator upper (PERFEX CORP.) Manual Shift 1223 and up Power Shift 1223 and up
1	311 218 R1	BRACKET, radiator mounting (4)		25 520 R1	NUT (27)
2	274 287 R2	MOUNTING, radiator rubber (4)		25 492 R1	SCREW, 7/8" long, hex-hd cap (54)
3	610 745 C1	WASHER, core (PERFEX CORP.) (4)		25 493 R1	SCREW, 1" long, hex-hd cap (12)
3	630 493 C1	WASHER, core (MODINE MFG.) (4)		116 120	WASHER, lock (66)
4	620 086 C1	GASKET, radiator cap	11	630 471 C1	TANK, radiator upper (MODINE MFG.)
5	703 480 C1	CAP, radiator (Used w/HANDLE, 703 482 C1) (Order the following - 1 HANDLE 663 165 C1 1 CAP 663 167 C1 1 CLAMP 663 169 C1 1 GASKET 620 086 C1)		25 493 R1	SCREW, hex-hd cap (66)
				116 120	WASHER, lock (66)
				25 520 R1	NUT (27)
5	663 167 C1	CAP, radiator (Used w/HANDLE, 663 165 C1)	12	27 392 R1	CLAMP, radiator inlet tube (4)
6	703 481 C1	CLAMP, radiator cap (Used w/HANDLE, 703 482 C1) (Order the following - 1 HANDLE 663 165 C1 1 CAP 663 167 C1 1 CLAMP 663 169 C1 1 GASKET 620 086 C1)	13	324 005 R1	BODY, valve housing connector
			or		
			13	95 552 R1	BODY, valve housing connector
6	663 169 C1	CLAMP, radiator cap (Used w/HANDLE, 663 165 C1)	14	120 131	NUT, 1/2" OD tubing
7	703 482 C1	HANDLE, w 1-1/4" long bolt, radiator cap (Order the following - 1 HANDLE 663 165 C1 1 CAP 663 167 C1 1 CLAMP 663 169 C1 1 GASKET 620 068 C1)		120 130	SLEEVE, 1/2" OD tubing
	17 271 R1	PIN, spring	15	320 392 R1	PIPE, radiator overflow
7	663 165 C1	HANDLE, w 1-1/2" long bolt, radiator cap	16	617 475 C1	TUBE, radiator inlet
	17 271 R1	PIN, spring	17	407 014 R1	HOSE, radiator inlet tube (2-7/8 ID x 4" long) (*) (2)
8	612 558 C1	HOUSING, pressure valve	18	627 574 C1	BAR, radiator upper tank tapping (PERFEX CORP.)
	24 841 R1	SCREW, hex-hd cap (4)	18	630 499 C1	BAR, radiator upper tank tapping (MODINE MFG.) (Order 1 BAR, 637 433 C1 and 2 BAR, 637 434 C1)
	115 093	WASHER, lock (4)	19	610 746 C92	CHANNEL, L.H. side (PERFEX CORP.) Manual Shift 1222 and below Power Shift 1222 and below
9	320 391 R1	GASKET, pressure valve (2)	19	624 402 C1	CHANNEL, L.H. side (PERFEX CORP.) Manual Shift 1223 and up Power Shift 1223 and up
10	321 149 R92	VALVE, w/"O" RING, 252 707 R1, pressure relief	19A	630 485 C1	CHANNEL, L.H. side (MODINE MFG.)
	252 707 R1	"O" RING	19A	610 746 C92	CHANNEL, R.H. side (PERFEX CORP.) Manual Shift 1222 and below Power Shift 1222 and below
11	702 499 C1	TANK, radiator upper (PERFEX CORP.) Manual Shift 1222 and below Power Shift 1222 and below	19A	625 401 C1	CHANNEL, R.H. side (PERFEX CORP.) Manual Shift 1223 and up Power Shift 1223 and up
	25 520 R1	NUT (39)	19A	630 484 C1	CHANNEL, R.H. side (MODINE MFG.)
	25 492 R1	SCREW, 7/8" long hex-hd cap (27)			(*) - Part Number and Price Cover One Foot of Hose. Furnished Only in Three-Foot Lengths.
	25 493 R1	SCREW, 1" long hex-hd cap (39)			(%) - Two radiators are available. One is manufactured by Modine and the other by Perfex. Modine radiators can be identified by the manufacturer's name tag soldered on the upper radiator tank, next to the water inlet. Perfex radiators can be identified by the manufacturer's name plate located in the middle of the radiator core, on the side facing the engine.
	116 120	WASHER, lock (66)			

COOLING

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
RADIATOR AND CONNECTIONS (%) - Continued (Not used with Radiator Debris Screen Attachment)					
20	627 945 C91	PACKAGE, core gasket (Consists of eight GASKETS) (MODINE MFG.)	27	619 902 C2	CORE, armored radiator (PERFEX CORP.) (Part of armored radiator core att.) Manual Shift 1223 to 2874
20	627 192 C1	GASKET, core (PERFEX CORP.) (3) Manual Shift, 1222 and below Power Shift, 1222 and below	27	619 901 C3	CORE, armored radiator (PERFEX CORP.) (Part of armored radiator core att.) Power Shift 1223 and up Manual Shift 1223 and up
20	624 650 C1	GASKET, core (PERFEX CORP.) (2) Manual Shift, 1223 and up Power Shift, 1223 and up	27	630 462 C1	CORE, armored radiator (PERFEX CORP.) (Part of armored radiator core att.) Manual Shift 1223 to 2874
21	630 476 C1 25 493 R1 116 120 25 520 R1	TANK, radiator lower (MODINE MFG.) SCREW, hex-hd cap (66) WASHER, lock (66) NUT (54)	27	630 464 C3	CORE, armored radiator (MODINE MFG.) (Part of armored radiator core att.) Power Shift 1223 and up Manual Shift 1223 and up
21	610 748 C91 25 520 R1 25 492 R1 25 493 R1 116 120	TANK, radiator lower (PERFEX CORP.) Manual Shift 1222 and below Power Shift 1222 and below NUT (40) SCREW, 7/8" long, hex-hd cap (24) SCREW, 1" long, hex-hd cap (42) WASHER, lock (66)	28	689 031 C1	TUBE, radiator to water pump
21	625 944 C1 25 520 R1 25 492 R1 25 493 R1 116 120	TANK, radiator lower (PERFEX CORP.) Manual Shift 1223 and up Power Shift 1223 and up NUT (54) SCREW, 7/8" long, hex-hd cap (54) SCREW, 1" long, hex-hd cap (12) WASHER, lock (66)	29	346 544 R1	HOSE, pipe to water pump
22	27 314 R1	CLAMP, radiator outlet hose (2)	30	27 314 R1	CLAMP, pipe to water pump hose (2)
23	346 544 R1	HOSE, radiator outlet elbow	31	346 756 R1	HOSE, by-pass pipe
24	31 729 D	VALVE, radiator drain (Replaces, 627 799 C1)	32	401 345 R1	CLAMP, by-pass pipe hose (2)
25	309 395 R1 101 896 R1 115 093	ELBOW, radiator outlet SCREW, hex-hd cap (4) WASHER, lock (4)	33	637 433 C1	BAR, radiator upper tank tapping (MODINE MFG.)
26	309 396 R2	GASKET, radiator outlet elbow	34	637 434 C1	BAR, radiator upper tank tapping (MODINE MFG.)(2)
27	650 014 C1	CORE, standard radiator (PERFEX CORP.) Manual Shift 1222 and below Power Shift 1222 and below	624 161 C92	ATTACHMENT, armored radiator core (Consists of one CORE, 619 902 C2, or CORE, 630 462 C1, and two GASKET, 624 650 C1) (See NOTE 4) Manual Shift 1223 to 2874	
27	619 904 C1	CORE, standard radiator (PERFEX CORP.) Manual Shift 1223 and up	<p>NOTE 4 - Attachment No Longer Available; Service Parts Will Be Furnished as Ordered.</p> <p>(%) - Two radiators are available. One is manufactured by Modine and the other by Perfex. Modine radiators can be identified by the manufacturer's name tag soldered on the upper radiator tank, next to the water inlet. Perfex radiators can be identified by the manufacturer's name plate located in the middle of the radiator core, on the side facing the engine.</p>		
27	619 903 C1	CORE, standard radiator (PERFEX CORP.) Power Shift 1223 and up			
27	630 461 C1	CORE, standard radiator (MODINE MFG.) Manual Shift 1223 and up			
27	630 463 C2	CORE, standard radiator (MODINE MFG.) Power Shift 1223 and up			

COOLING

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
RADIATOR AND CONNECTIONS (%) - Continued (Not used with Radiator Debris Screen Attachment)					
624 162 C93		ATTACHMENT, armored radiator core (Consists of one CORE, 630 464 C3, and two GASKET, 624 650 C1) (See NOTE 3) Power Shift 1223 and up Manual Shift 1223 and up			
612 775 C92		ATTACHMENT, radiator core grid (Used on tractor equipped w/Blower Fan or Reversible Fan Attachment and not equipped w/Armored Radiator Core Attachment (Consists of GRID, 717 093 C1) (See NOTE 3)			
616 373 C1		BOLT, radiator mounting (16)			
314 798 R1		CLIP, intercooler tube (Mount on Dash Support) (Power Shift Crawler Tractors)			
525 820 R1		SPACER, intercooler tube clip (Power Shift Crawler Tractors)			
25 522 R1		NUT			
24 841 R1		SCREW, hex-hd cap			
115 093		WASHER, lock			
103 341		WASHER, flat			
274 239 R1		CLIP, radiator overflow tube (2)			
717 093 C1		GRID, radiator core (Replaces, 668 047 C92 or 668 119 C4) (Part of Radiator Core Grid Attachment)			
25 978 R1		SCREW, NF, hex-hd cap (14)			
116 120		WASHER, lock (14)			
106 261		WASHER, flat (14)			

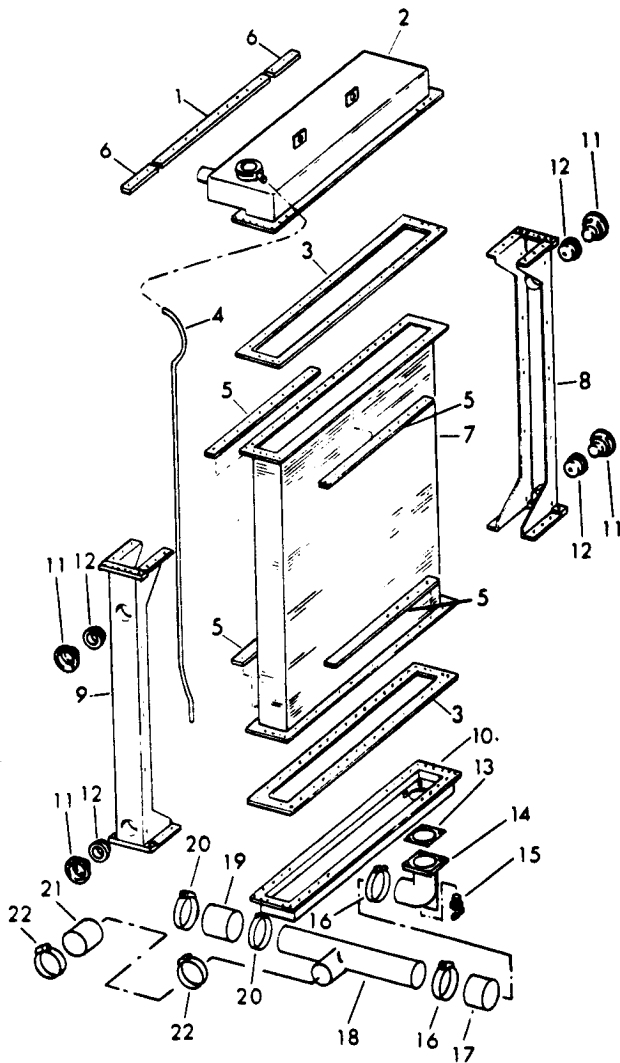
NOTE 3: Field Application - Order through
Regular Service Parts Channels.

COOLING

REF. NO.	PART NUMBER	DESCRIPTION
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REF. NO.	PART NUMBER	DESCRIPTION
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RADIATOR AND CONNECTIONS (MODINE MFG.) (For Use with Radiator Debris Screen Attachment)



9	630 483 C1	MEMBER, RH side
10	630 476 C1	TANK, radiator lower
	25 493 R1	BOLT (66)
	25 520 R1	NUT (54)
	116 120	WASHER (66)
11		BRACKET, radiator mounting* (4)
12		MOUNTING, radiator rubber* (4)
13		GASKET, radiator outlet elbow*
14		ELBOW, radiator outlet*
15		VALVE, radiator drain*
16		CLAMP, radiator outlet hose* (2)
17		HOSE, radiator outlet elbow*
18		TUBE, radiator to water pump*
19		HOSE, pipe to water pump*
20		CLAMP, pipe to water pump hose* (2)
21		HOSE, by-pass pipe*
22		CLAMP, by-pass pipe hose* (2)

*Refer to "RADIATOR AND CONNECTIONS (Not used with Radiator Debris Screen Attachment)"

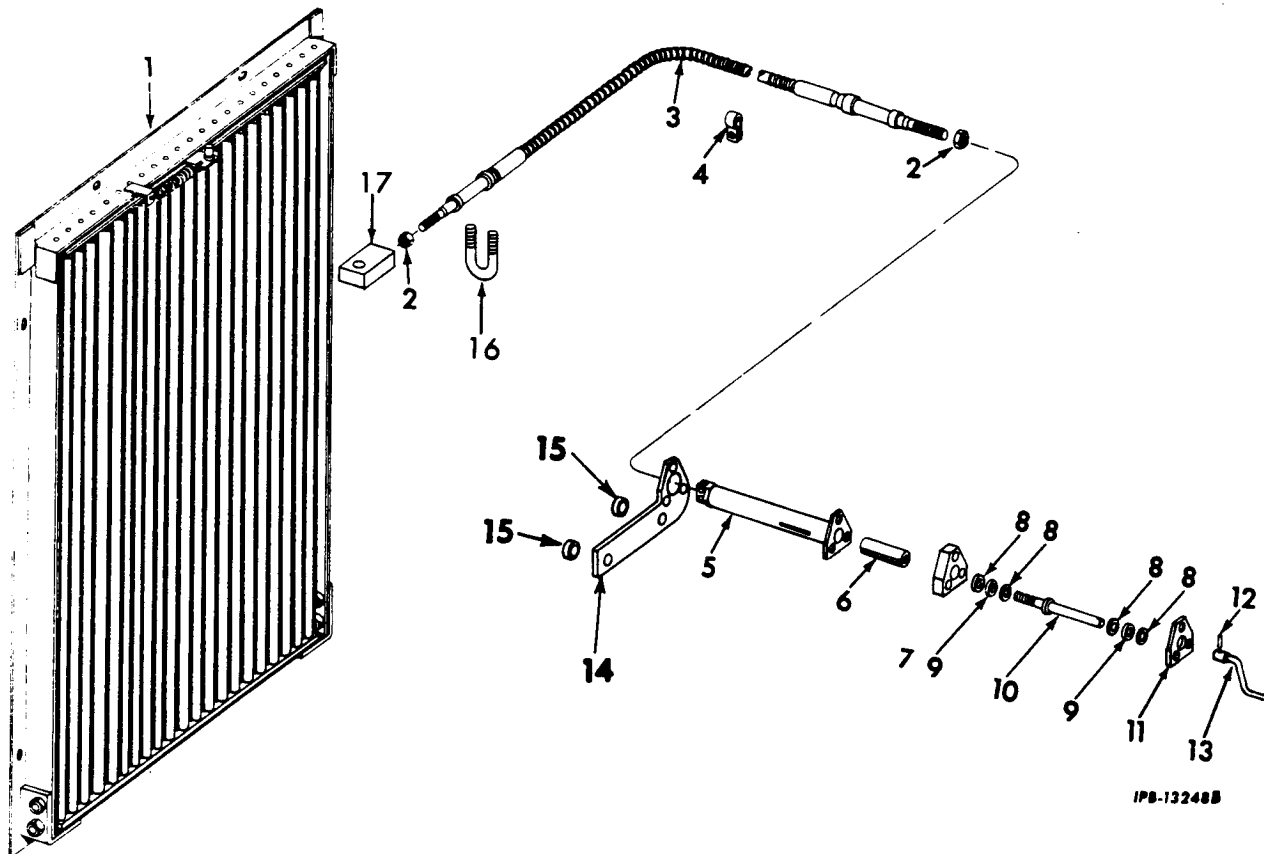
CE-115608 A

1	637 433 C1	BAR, upper tank topped mounting
2	706 289 C1	TANK, radiator upper
	25 493 R1	BOLT (66)
	25 520 R1	NUT (27)
	116 120	WASHER (66)
3	627 945 C91	KIT, radiator core gasket (consists of four end gaskets and four strip gaskets)
4	709 330 C1	HOSE, radiator overflow
5	630 493 C1	BAR, upper and lower tank header (4)
6	637 434 C1	BAR, upper tank tapped mounting (2)
7	630 463 C2	CORE, radiator
8	630 485 C1	MEMBER, LH side

COOLING

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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RADIATOR SHUTTER



	703 374 C92	ATTACHMENT, radiator shutter (See NOTE 3)	3	703 596 C92	CABLE, radiator shutter control
1	702 074 C91	SHUTTER, radiator (Order the following parts -		25 751 R1	BOLT (2)
		1 LINK		25 520 R1	NUT (2)
		2 NUT		116 120	WASHER, lock (2)
		1 RING	4	299 902 R1	CLIP, cable (2)
		1 SHUTTER		24 842 R1	BOLT (2)
		1 SPACER		25 522 R1	NUT (2)
		1 U-BOLT		364 002 R1	SPACER (2)
		2 WASHER		115 093	WASHER, lock (2)
		1 WASHER	5	703 595 C1	GUIDE, crank control
1	663 499 C91	SHUTTER, w/two SPRING, 116 941 R1, and two STUD, 447 752 C1, radiator	6	616 470 C1	PLUG, travel control
	25 961 R1	BOLT (12)	7	624 466 C1	HOUSING, bearing
	116 120	WASHER, lock (12)	8	619 037 C1	WASHER, thrust (4)
	103 340	WASHER, flat (12)	9	159 688 R91	BFARING, thrust (2)
2	25 930 R1	NUT, NF jam 92)	10	703 594 C1	ROD, crank adjusting

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

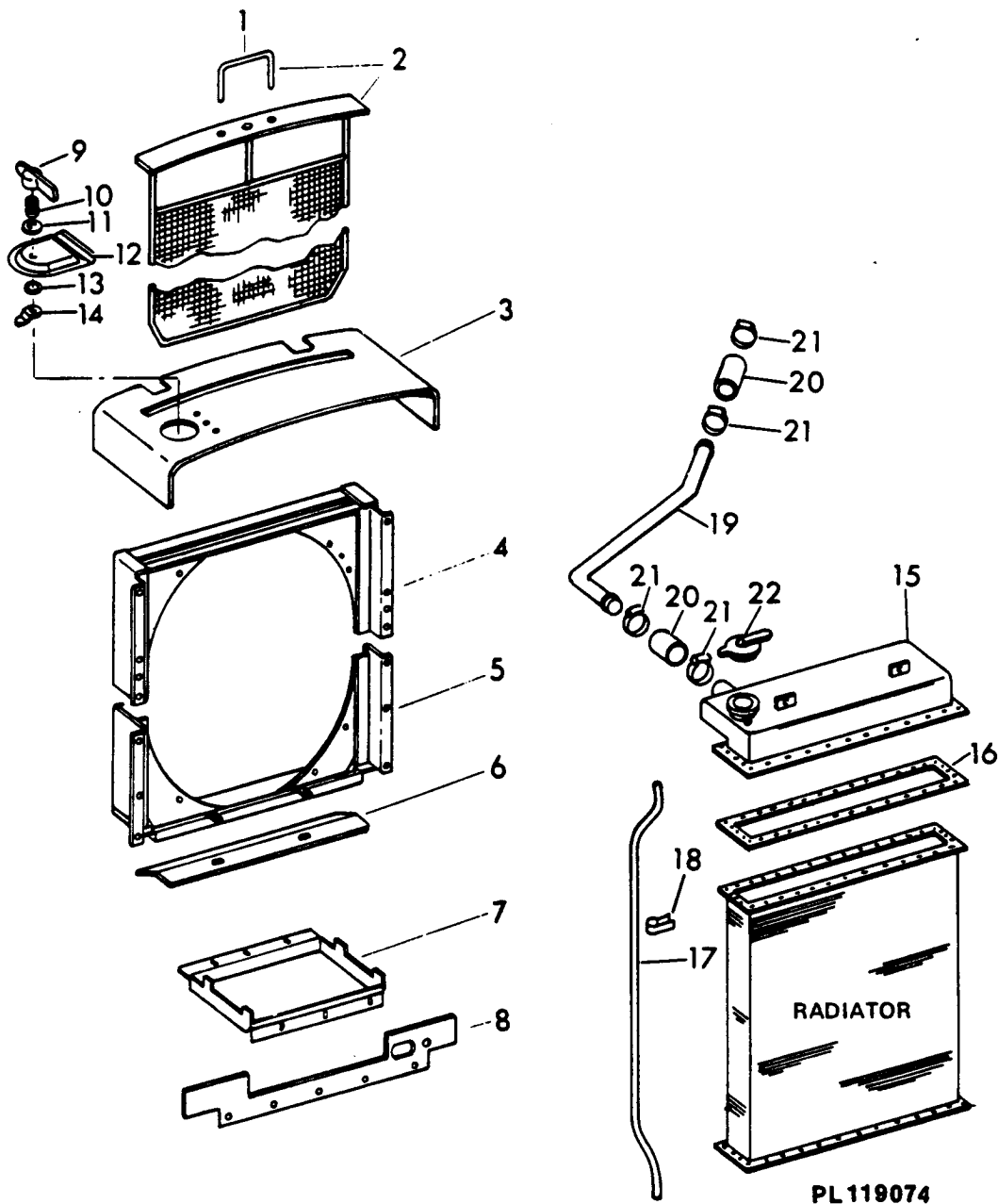
COOLING

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
RADIATOR SHUTTER - Continued					
11	616 472 C1	PLATE, bearing housing cover			
	24 621 R1	BOLT (3)			
	25 522 R1	NUT (3)			
	115 093	WASHER, lock (3)			
12	17 175 R1	PIN, handle lock			
13	305 459 R1	HANDLE, shutter crank			
14	624 340 C1	SUPPORT, shutter control			
15	262 046 R1	SPACER (2)			
	104 483 H	BOLT, 1-1/4" long (2)			
	24 621 R1	BOLT, 2-1/4" long (2)			
16	663 381 C1	U-BOLT, control cable mounting (Use w/SHUTTER, 663 499 C91)			
	25 521 R1	NUT, hex (2)			
	663 383 C1	SPACER, U-bolt			
	116 120	WASHER, lock (2)			
17	663 422 C1	LINK, cable to shutter (Use w/SHUT- TER, 663 499 C91)			
	21 346 R1	RING, retaining			
	25 533 R1	WASHER, hardened			
	116 941 R1	SPRING, shutter (Use w/SHUTTER, 663 499 C91) (2)			
	447 752 C1	STUD, spring shutter (2)			

COOLING

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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RADIATOR DEBRIS SCREEN



COOLING

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
RADIATOR DEBRIS SCREEN - Continued					
	636 644 C91	ATTACHMENT, radiator debris screen (See NOTE 3)	18	274 239 R1	CLIP, radiator overflow hose
			19	706 212 C1	TUBE, radiator inlet
1	706 211 C1 20 081 R1	HANDLE, screen PIN, spring (2)	20	264 159 R2	HOSE (2)
2	717 119 C91	SCREEN, w/HANDLW, 706 211 C1, and two PIN 20 081 R1, radiator debris	21	27 392 R1	CLAMP, radiator inlet tube hose (4)
			22	713 389 C2	CAP, radiator
3	717 120 C1 24 860 R1 103 343 116 121	SUPPORT, front hood BOLT (6) WASHER, flat (6) WASHER, lock (6)		650 382 C91	PADLOCK w/KEYS (Part of ATTACHMENT, 632 176 C91 and 632 177 C91)
4	706 200 C1 25 961 R1 25 751 R1 116 120 106 261	SHROUD, upper fan BOLT (8) BOLT (2) WASHER, lock (8) WASHER, flat (8)			
5	706 201 C1 25 961 R1 25 751 R1 116 120 106 261	SHROUD, lower fan BOLT (6) BOLT (2) WASHER, lock (6) WASHER, flat (6)			
6	706 210 C1	BAFFLE, screen			
7	663 176 C2 24 839 R1 115 093 25 534 R1	PAN, trash and air deflector BOLT (6) WASHER, lock (6) WASHER, flat (6)			
8	706 209 C1 24 838 R1 115 093	BAFFLE, radiator lower air BOLT (2) WASHER, lock (2)			
9	622 539 C1	HANDLE, locking			
10	562 008 R1	SPRING, handle			
11	92 779 R1	WASHER, handle thrust			
12	622 535 C2 24 840 R1 25 534 R1 25 522 R1	DOOR, radiator cap access BOLT (3) WASHER, flat (6) NUT (3)			
13	03 481	WASHER, flat locking pawl spacer			
14	622 759 C1 24 839 R1 114 606 28 035 K	PAWL, access door locking BOLT WASHER, lock WASHER, flat			
15	706 289 C1	TANK, radiator top			
16	624 650 C1	GASKET, radiator top tank			
17	709 330 C1	HOSE, radiator overflow			

NOTE 3 - Field Application -
Order through regular service
parts channels

**REFER TO ALPHABETICAL INDEX
FOR COMPLETE LISTING OF PARTS**

DRIVE TRAIN

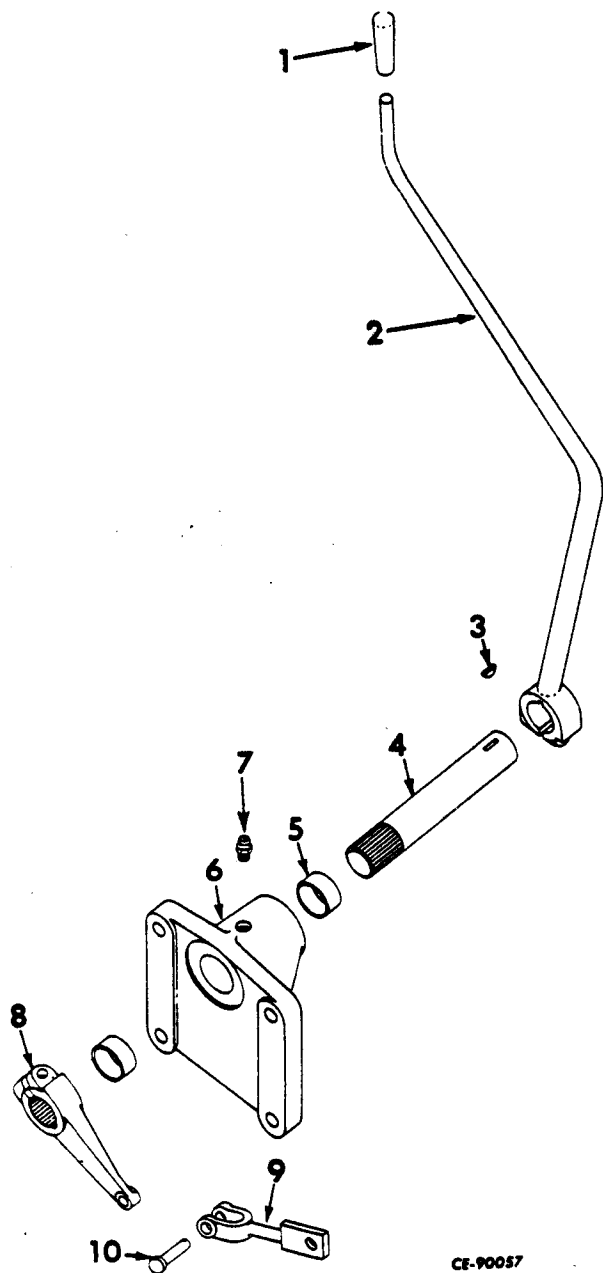
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DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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CLUTCH SHAFT AND CONTROLS
(For Manual Shift Crawler Tractor)

4	617 429 C1	SHAFT, engine clutch hand lever
5	314 916 R1	BUSHING, engine clutch hand lever support (2)
6	617 430 C1	SUPPORT w/two BUSHING, 314 916 R1 clutch hand lever
	24 875 R1	SCREW, hex-hd cap (4)
7	109 461	FITTING, lubrication
8	616 489 C1	LEVER, clutch operating
	25 526 R1	NUT
	275 635 R1	SCREW, hex-hd cap
	116 121	WASHER, lock
9	703 399 C1	LINK, engine clutch booster operating
10	138 086	PIN, rod end (2)
	137 180	PIN, cotter (2)
	446 220	WASHER (2)

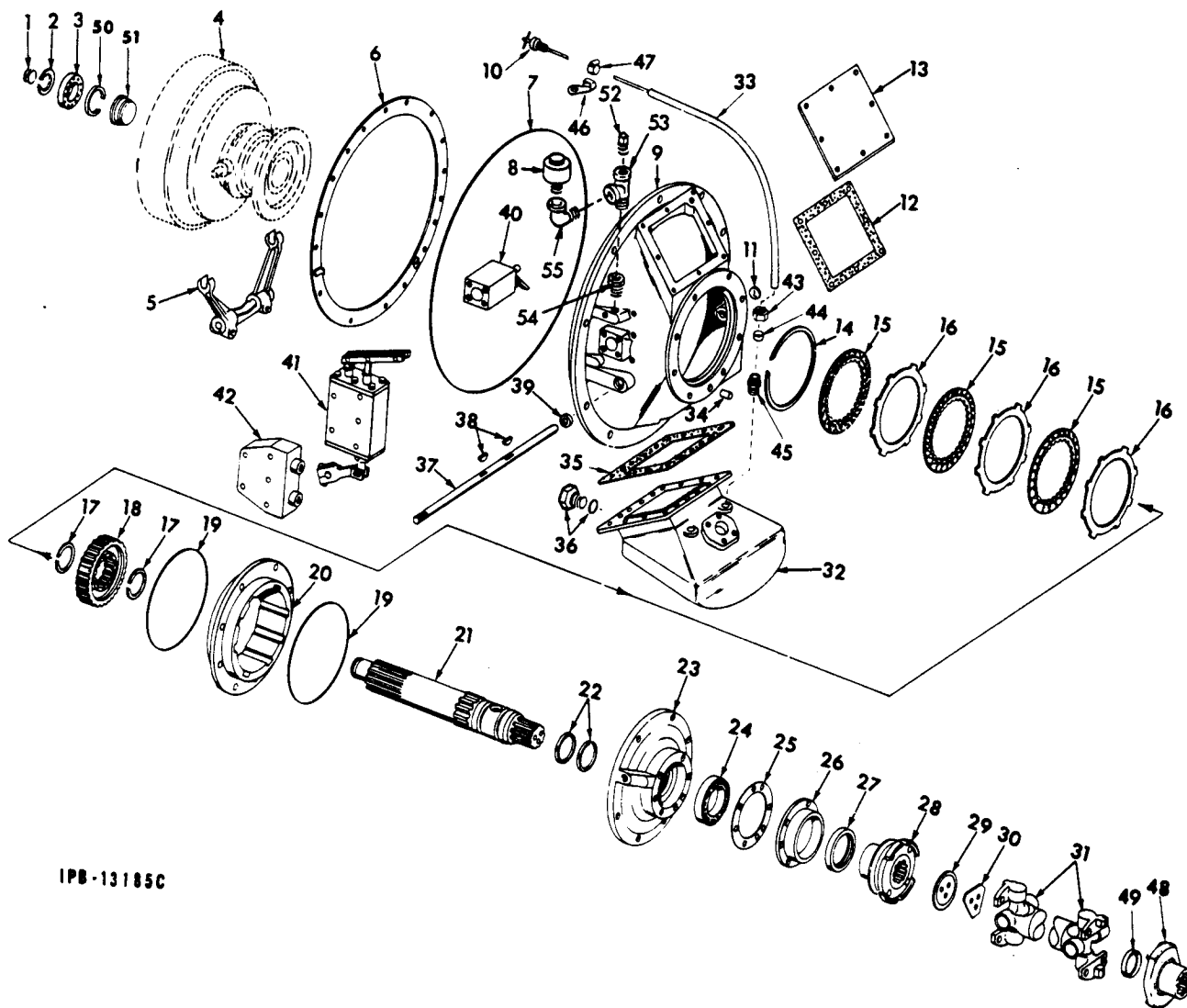


1	41 597 DA	HANDLE, engine clutch hand lever
2	700 480 C1	LEVER, engine clutch hand
	25 526 R1	NUT
	275 635 R1	SCREW, sq-hd cap
	116 121	WASHER, lock
3	114 745	KEY, engine clutch lever (Woodruff No. 2)

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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CLUTCH, CLUTCH HOUSING AND RELATED PARTS
(For Manual Shift Crawler Tractor)
(Rockford)



IPB-13185C

	703 095 C91	CLUTCH ASSEMBLY, engine (wet type) (Consists of the following parts -	5	273 198 R91	YOKE w/two SCREW and two WASHER, clutch (UPT-1364)
				140 483 H	SCREW, hex-hd cap (2)
				103 321	WASHER, lock (2)
1	619 225 C1	PLUG, pipe	6	619 228 C1	PLATE, baffle
2	619 274 C1	RING, external snap		619 436 C1	BOLT, hex-hd (16)
3	ST-291	BEARING, ball		103 321	WASHER, lock (16)
4		CLUTCH ASSEMBLY (for components see list of parts under details of "Clutch")	7	319 610 R1	"O" RING
	22 846 R1	BOLT (8)	8	619 271 C1	BREATHER, filter
	232 360 R1	WASHER, flat (8)	9	619 074 C1	HOUSING, bell
				24 863 R1	SCREW, 1-3/4" long hex-hd cap (15)
				25 281 R1	SCREW, 2-3/4" long hex-hd cap
				116 121	WASHER, lock (16)

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CLUTCH, CLUTCH HOUSING AND RELATED PARTS - Continued (For Manual Shift Crawler Tractor) (Rockford)			33	620 355 C1	TUBE, oil level (*)
			34	20 019 R1	PIN, dowel
			35	619 227 C1	GASKET, oil pan
10	703 591 C1	DIPSTICK, clutch sump oil level (Order DIPSTICK, 620 354 C1 and TUBE, 620 355 C1) (*)	36	702 805 C1	PLUG w/"O" RING, drain
10	620 354 C1	DIPSTICK, clutch sump oil level (*)	37	619 202 C1	SHAFT, yoke
11	133 453 R1	PLUG, expansion	38	124 553	KEY, No. 15 Woodruff (Replaces, 113 782) (2)
12	619 095 C1	GASKET, cover	39	488 561 R91	OIL SEAL (Replaces, 619 203 C91)
13	619 094 C1 24 839 R1 103 321	PLATE, cover SCREW, hex-hd cap (8) WASHER, lock (8)	40		VALVE ASSY, relief (for compo- nents see list of parts under details of "Relief Valve")
14	334 527 R1	RING, retaining	619 229 C1		SCREW, 5/16 x .890" button-hd (TT-2102) (3)
15	324 452 R1	PLATE, external spline clutch (3)	41		VALVE ASSY, booster (for compo- nents see list of parts under details of "Booster Valve")
16	619 200 C1	PLATE, internal spline clutch (3)	42		VALVE ASSY, main regulator (for components see list of parts under details of "Main Regulator Valve")
17	324 494 R1	RING, external snap (2)		277 232 R1 20 847 R1 24 588 R1 103 321	SCREW, 2-3/4" hex-hd cap (3) SCREW, 6-1/4" hex-hd cap SCREW, 5-1/2" hex-hd cap (4) WASHER, lock (5)
18	619 201 C1	HUB, plate brake	43	619 450 C1	CONNECTOR, oil level tube (*)
19	254 092 R1	"O" RING, 10 x 10-1/4 x 1/8" seal	44	619 451 C1	SLEEVE, oil level tube (*)
20	331 815 R1	RETAINER, disc (outer)	45	619 452 C1	NUT, oil level tube (*)
21	619 097 C1	SHAFT, drive	46	617 989 C1	SUPPORT, oil level tube clamp (Not used w/Water Filter and Condi- tioner) (*)
22	619 098 C1	RING, piston hook type seal (2)	47	122 316 R91	CLAMP, oil level tube (Not used w/ Water Filter and Conditioner) (*)
23	619 096 C1 179 865 120 383	COVER, housing SCREW, mach-hex-hd cap (8) WASHER, lock (8)	47	315 594 R1 24 842 R1 25 522 R1 25 896 R1 120 382 276 261 R1	CLAMP, oil level tube (Used w/Water Filter and Conditioner) (*) BOLT NUT WASHER, hardened (2) WASHER, lock SPACER
24	ST 717	BEARING, ball	48	259 762 R31	YOKE w/CUP, 317 809 R91, universal joint (*)
25	324 069 R1	GASKET, bearing retainer	49	317 809 R91	CUP, universal joint yoke (*)
26	610 254 C1 179 839 103 321	RETAINER, bearing SCREW, mach-hex-hd cap (6) WASHER, lock (6)	50	625 381 C1	SNAP RING, internal
27	333 996 R92	OIL SEAL			
28	619 667 C1	YOKE (Order FLANGE, 630 290 C1 and SPACER, 197 975 H1)			
28	630 290 C1 197 975 H1	FLANGE, U-joint SPACER			
29	619 440 C1	WASHER, retainer			
30	619 441 C1 179 838	PLATE, locking SCREW, mach-hex-hd cap (3)			
31		JOINT ASSY, clutch universal (for components see list of parts under details of "Wet Clutch Universal Joint") (*)			
32	619 226 C1 25 493 R1 116 120	PAN, oil SCREW, hex-hd cap (16) WASHER, lock (16)			
33	617 988 C2	TUBE, oil level (Order DIPSTICK, 620 354 C1, and TUBE, 620 355 C1) (*)			

(*) - Not Furnished As Part Of
Clutch Assembly, 703 095 C91.

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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CLUTCH, CLUTCH HOUSING AND RELATED PARTS –
Continued
(For Manual Shift Crawler Tractor)
(Rockford)

51	625 382 C1	SPACER			
52	444 747	PLUG, 1/2" NPT oil filter (used w/CLUTCH ASSY, 703 095 C92)			
53	179 614	TEE, 1/2 x 1/2 x 3/8" pipe (used w/CLUTCH ASSY, 703 095 C92)			
54	192 074	NIPPLE, 1/2 x 1-1/8" pipe (used w/CLUTCH ASSY, 703 095 C92)			
55	111 316	ELBOW, 3/8" street (used w/CLUTCH ASSY, 703 095 C92)			
	619 420 C1	PLUG, pipe			
	20 976 R1	PLUG, 1-1/2" soc-hd pipe			
	197 975 H1	SPACER			

DRIVE TRAIN

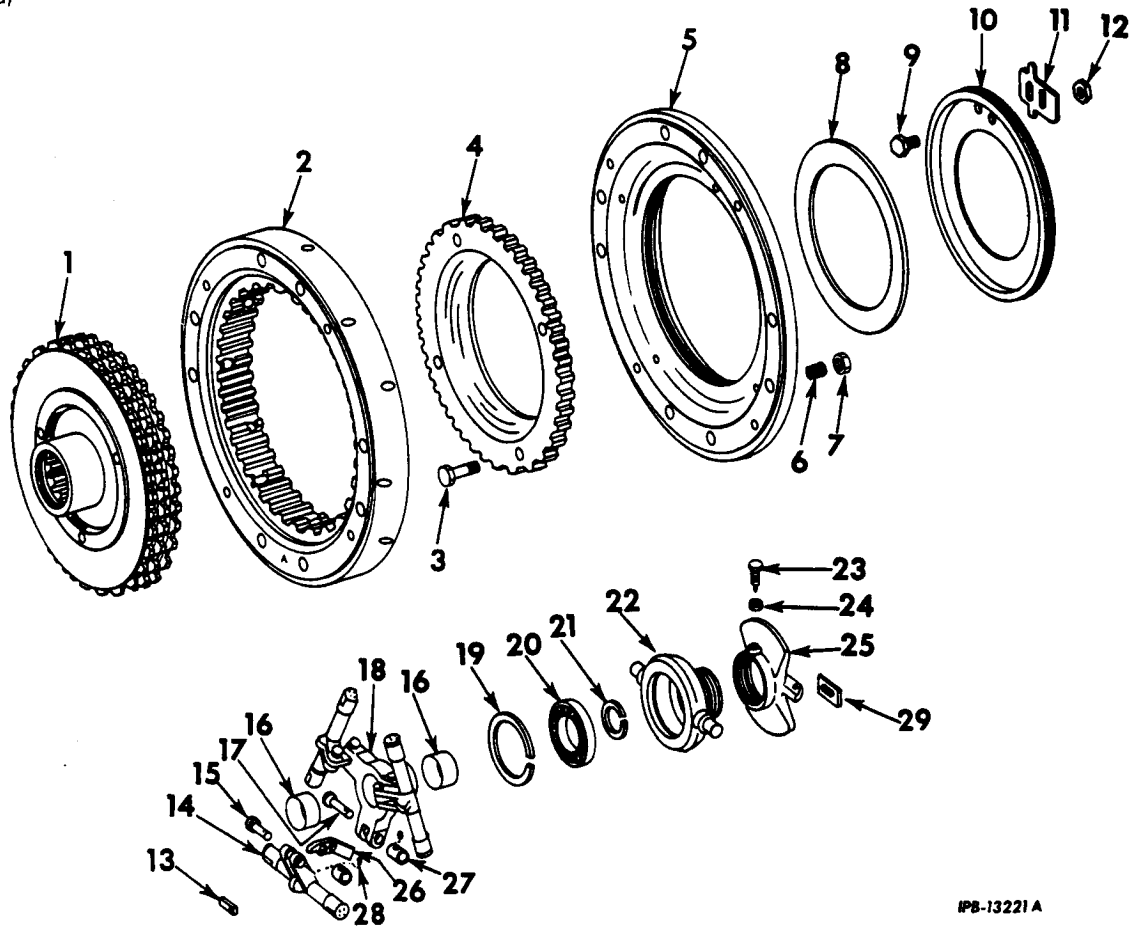
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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MEMORANDA

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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CLUTCH
(For Manual Shift Crawler Tractors)
(Rockford)



IPB-13221 A

	702 747 C91	CLUTCH ASSEMBLY (Consists of DISC, 702 766 C91 and RING ASSEMBLY, 702 765 C91)	10	55 371 DA	RING, adjusting
1	702 766 C91	DISC, pack and hub	11	610 203 C1	LOCK, adjustment
2	619 260 C1 179 820 103 320	RING, drive SCREW, hex-hd cap (4) WASHER, lock (4)	12	274 827 R1	NUT, 3/8NF (2)
3	268 465 R1	SCREW, fil-hd cap (4)	13	267 665 R91	CAMBLOCK (set of 6) (Consists of six CAMBLOCKS, six SCREW, 261 106 R1 and six LOCK-WASHER
4	619 261 C1	PLATE, pressure		261 106 R1	SCREW, special (6) WASHER, 1/4" ext-tooth lock (6)
5	619 262 C1	PLATE, back	14	702 826 C1	KIT, camshaft
6	347 830 R1	SPRING, return (4)	15	619 272 C1	PIN, clevis (3)
7	261 069 R1	NUT, flex lock (4)	16	56 085 D	BUSHING, release sleeve (2)
8	619 267 C1	PLATE, adjusting ring	17	619 273 C1	PIN, clevis (3)
9	303 242 R1 610 205 C1	SCREW, 3/8NF x .81" adjustment lock (2) WASHER, plain (2)	18	702 810 C91	SLEEVE w/two BUSHING, 56 085 D, release
			19	327 060 R1	RING, internal snap

DRIVE TRAIN

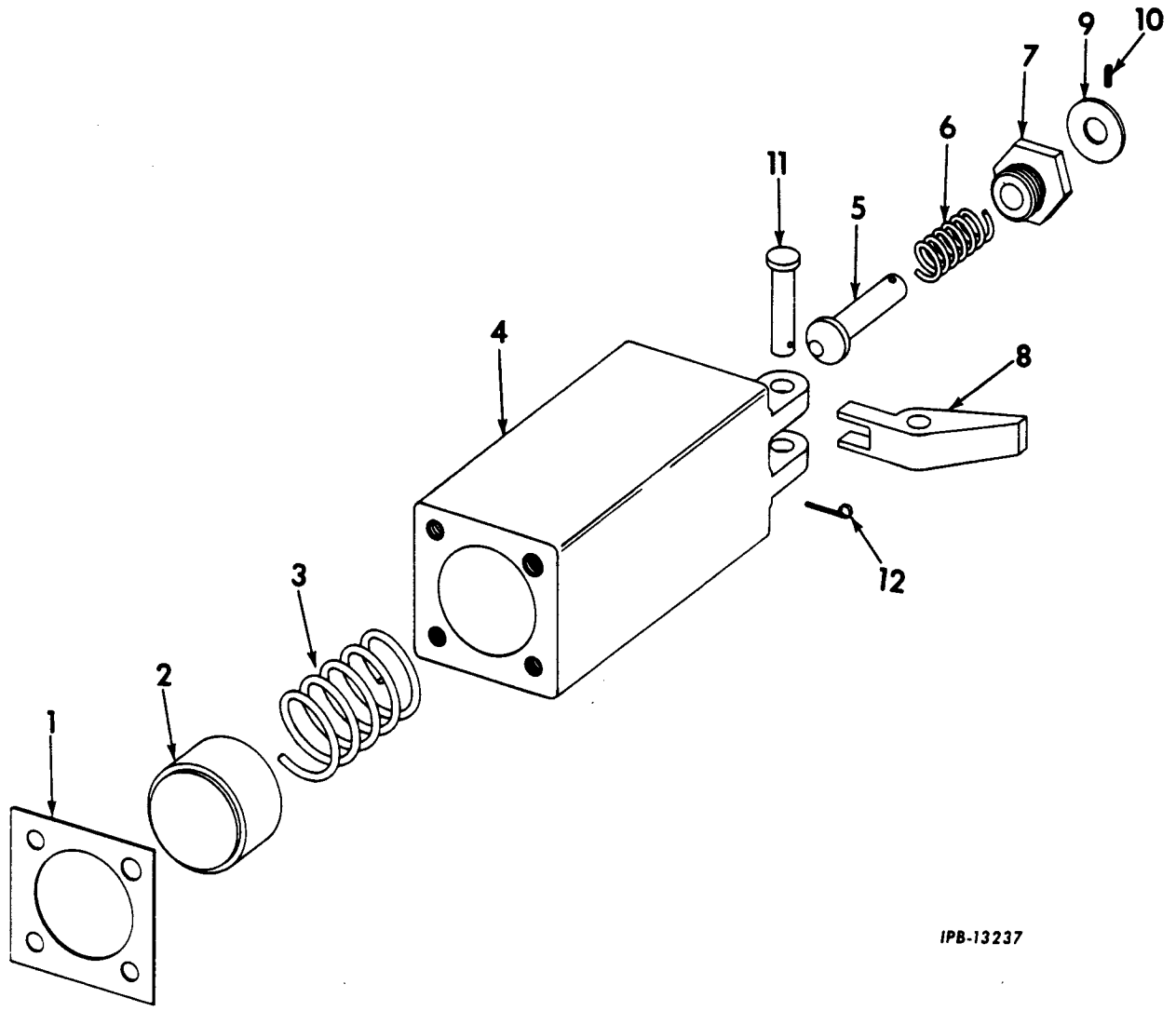
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CLUTCH - Continued					
(For Manual Shift Crawler Tractors)					
(Rockford)					
20	ST 276	BEARING, ball			
21	57 640 D	RING, external snap			
22	619 263 C1	CARRIER, bearing			
23	347 835 R1	SCREW, camblock adjusting			
24		NUT, 1/2" jam			
25	619 268 C1	PLATE, brake			
26	619 266 C1	LINK, connecting (3)			
27	619 270 C1	COLLAR, retainer (6)			
28	17 064 R1	PIN, spring (6)			
29	619 269 C1	PLATE, adjustment			
	619 436 C1	SCREW, adjustment plate			
	634 291 C1	WASHER			
	115 549	WASHER, int-tooth lock			
	702 765 C91	RING ASSY, clutch cover and drive (Consists of Ref. No. 2 thru 29)			
634 844 C91		KIT, disc inner (Consists of -			
	\$	DISC, inner assembly (4)			
	\$	DISC, outer (3)			
	\$	RIVET (4)			
	\$	WASHER (4)			

(\$) Not Furnished Separately.

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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RELIEF VALVE
(For Manual Shift Crawler Tractors)
(Rockford)



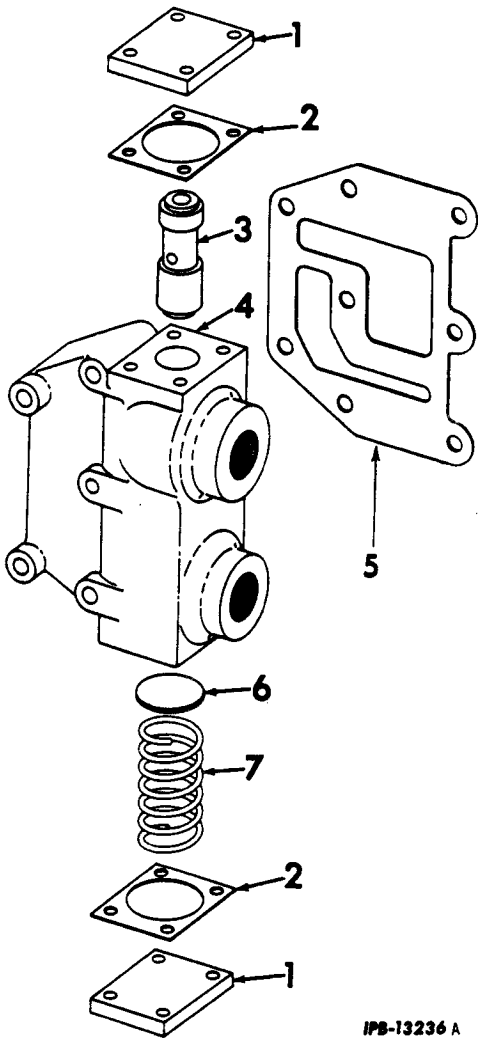
IPB-13237

	702 809 C91	VALVE ASSEMBLY, relief		6	619 235 C1	SPRING, compression
1	619 240 C1	GASKET, valve		7	619 236 C1	SCREW
2		VALVE, piston (not furnished separately)		8	619 237 C1	LEVER, actuator
3	619 239 C1	SPRING, compression		9	16 558 R1	WASHER, plain
4		HOUSING, valve (not furnished separately)		10	619 209 C1	PIN, spring
5	619 234 C1	VALVE, relief		11	619 238 C1	PIN, clevis
				12	103 363	PIN, 1/16 x 1" cotter

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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MAIN REGULATOR VALVE
 (For Manual Shift Crawler Tractors)
 (Rockford)



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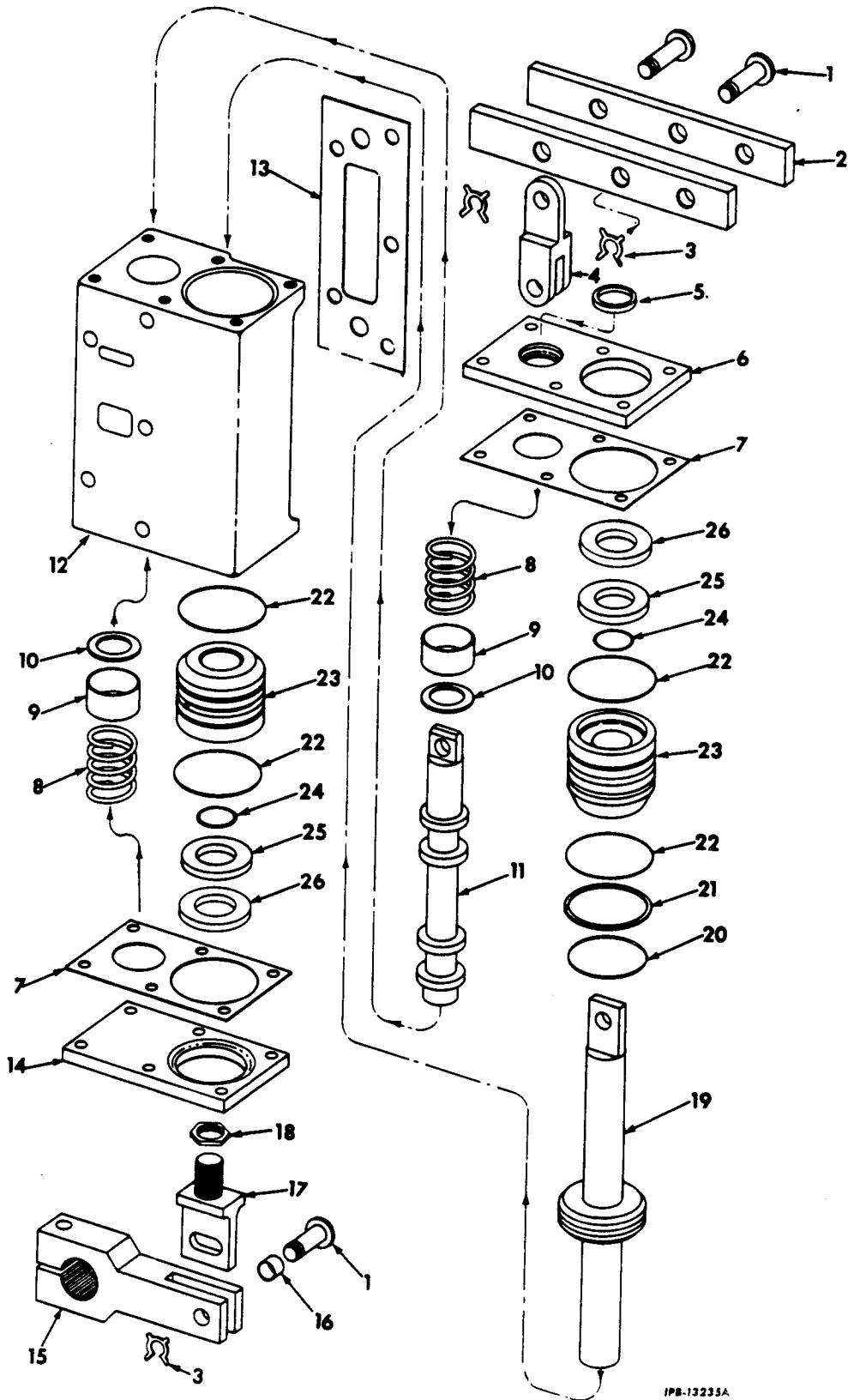
702 949 C91 VALVE ASSEMBLY, main regulator

1	321 991 R1 25 228 R1 103 320	COVER, valve (2) SCREW, hex-hd cap (8) WASHER, lock (8)
2	321 992 R1	GASKET, cover (2)
3	338 651 R94	VALVE, main regulator
4		HOUSING, valve (not furnished separately)
5	619 445 C1	GASKET, housing
6	321 997 R1	SPACER (x)
7	619 232 C1	SPRING, compression

(x) - As Required.

MEMORANDA

BOOSTER VALVE
 (For Manual Shift Crawler Tractors)
 (Rockford)



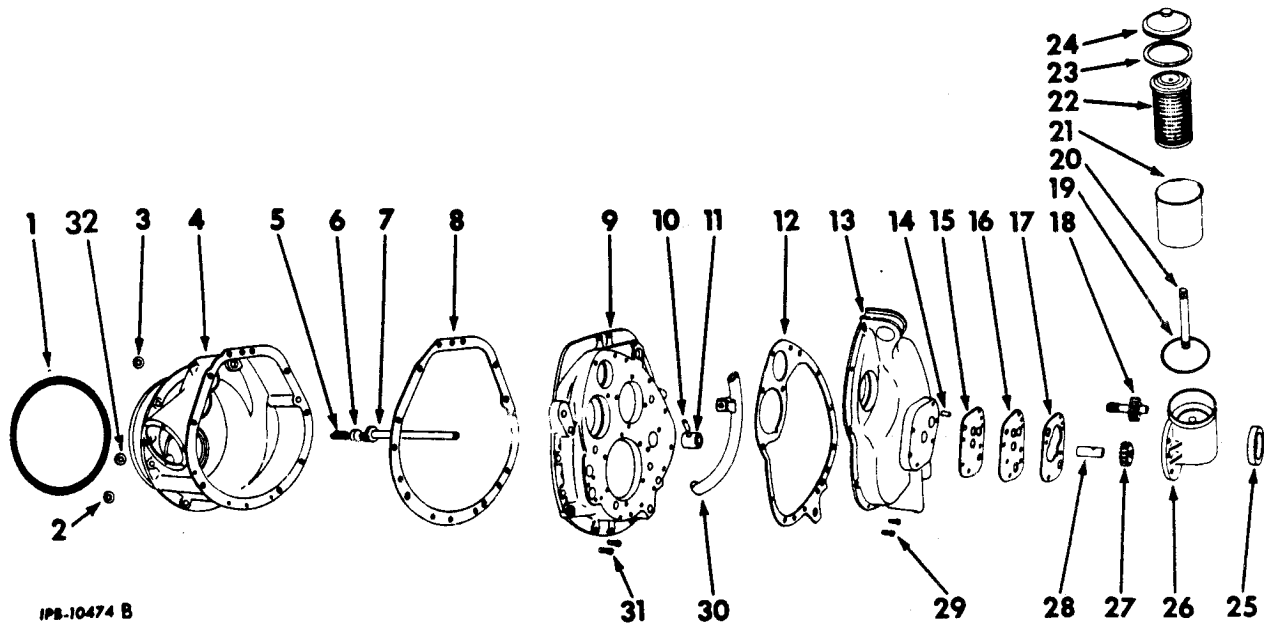
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REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BOOSTER VALVE - Continued (For Manual Shift Crawler Tractors) (Rockford)			26	378 587 R91	OIL SEAL (2)
				443 566	FITTING, lubrication (pivot block)
	702 807 C92	VALVE ASSY, booster			
1	619 249 C1	PIN, clevis (4)			
2	619 250 C1	LEVER, shifting (2)			
3	619 258 C1	WASHER, retainer (4)			
4	619 248 C1	LINK, connecting			
5	606 414 C91	OIL SEAL			
6	619 247 C1	PLATE, cover			
	25 493 R1	SCREW, hex-hd cap (6)			
	103 320	WASHER, lock (6)			
7	619 243 C1	GASKET, cover plate (2)			
8	619 246 C1	SPRING, compression (2)			
9	619 244 C2	SPACER, valve (2)			
10	619 245 C1	WASHER, spacer (2)			
11	625 882 C1	VALVE, booster flow			
12		HOUSING, valve (not furnished separately)			
13	619 256 C1	GASKET, housing			
14	619 242 C1	PLATE, cover			
	25 493 R1	SCREW, hex-hd cap (6)			
	103 320	WASHER, lock (6)			
15	619 241 C1	LEVER, shifting			
	24 841 R1	SCREW, hex-hd cap			
	103 321	WASHER, lock			
16	619 255 C1	SLEEVE, wear			
17	619 254 C1	BLOCK, pivot			
18	619 257 C1	NUT, 5/8NF jam			
19	619 251 C1	VALVE, piston			
20	327 085 R1	"O" RING (1-9/16 x 1-3/4 x 3/32")			
21	619 253 C1	"O" RING			
22	364 108 R1	"O" RING, seal (1-13/16 x 2 x 3/32") (4)			
23	619 252 C1	SPACER, valve (2)			
24	382 137 R1	"O" RING, seal (1 x 1-3/16 x 3/32") (2)			
25	488 561 R91	OIL SEAL (Replaces,619 203 C91)(2)			

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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FRONT COVER, OIL PUMP AND STRAINER (For Manual Shift Crawler Tractors)



IPB-10474 B

	314 833 R93	TRANSMISSION w/bevel GEAR, 309 522 R1 ASSEMBLY (Consists of all parts listed under "TRANSMISSION" (for manual shift crawler tractors, except "Shifting Levers and Related Parts"))		8	252 802 R2	GASKET, transmission case front spacer
	19 409 R2	NUT (8)		9	444 667	SPACER, transmission case front (order 314 240 R91)
	609 298 C1	WASHER, hardened			25 505 R1	PLUG, 1/2" sq-socket pipe (2)
					138 496	SCREW, hex-hd cap (8)
						WASHER, external-tooth lock (8)
1	259 428 R1	"O" RING, transmission case sealing (*)	10	256 603 R1		PIN, transmission oil pump drive gear coupling
2	253 070 R1	"O" RING, transmission oil intake pipe sealing (7/8 x 1-1/8 x 1/8" thick) (*)	11	256 372 R21		COUPLING w/PIN, 256 603 R1, transmission oil pump drive gear
3	876 070 C1	"O" RING, transmission forward and reverse gear shifter rod sealing 1-1/4 x 1-1/2 x 1/8" thick (replaces 252 483 R1) (*) (2)	12	253 904 R4		GASKET, transmission case front cover
4	259 298 R97	CASE ASSEMBLY, transmission (Composed of -	13	309 511 R11		COVER ASSEMBLY, transmission case front (Composed of -
		§ 1 CASE				§ 1 COVER
		2 DOWEL 18 585 DA				1 DOWEL 253 908 R1
		1 GASKET 252 802 R2				1 OIL SEAL 338 549 R91
		2 PLUG 444 667				1 PLUG 445 751
		§ 1 SPACER				1 SHAFT 309 512 R1)
					101 896 R11	SCREW, 1-1/8" long hex-hd cap (12)
					24 843 R11	SCREW 2" long hex-hd cap
					114 606	WASHER, external-tooth lock (13)
5	252 863 R1	SPRING, pressure relief valve				
6	252 865 R1	VALVE, pressure relief				§ - Not Furnished Separately.
7	252 820 R11	TUBE, pressure relief				(*) - Not Furnished As Part Of Transmission Assy.
	374 653 R1	SCREW, hex-hd cap				
		WIRE, locking (order 278 026 R1)				

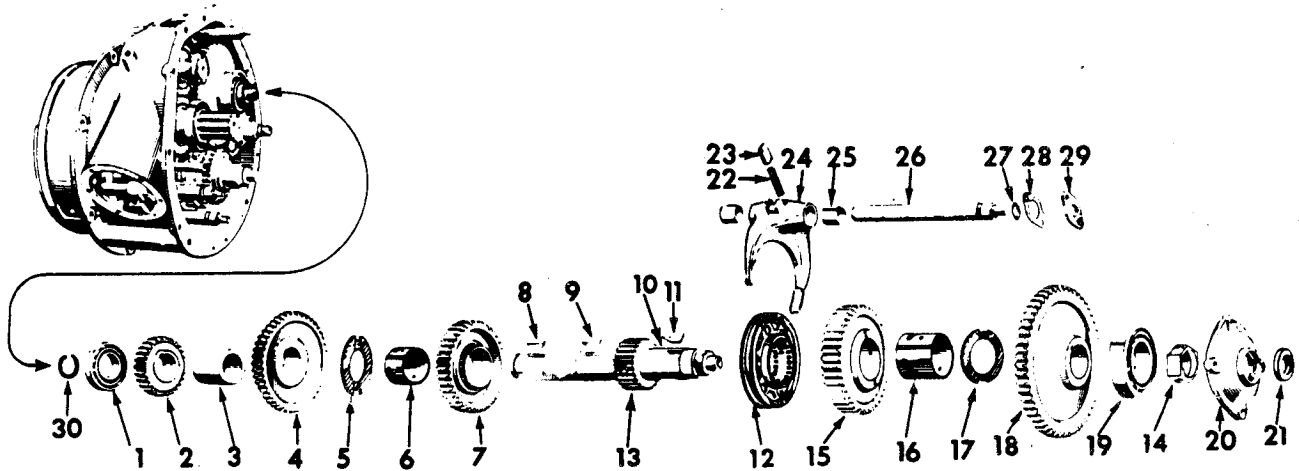
DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
FRONT COVER, OIL PUMP AND STRAINER - Continued (For Manual Shift Crawler Tractors)			445 751		PLUG, 1/2" sq-soc. hd pipe (stl.) (transmission case cover)
14	253 908 R1	DOWEL, transmission oil pump body and strainer housing	314 238 R1		SHIM, transmission drive and countershaft bearings (used with PACKAGE, 314 240 R91) (4)
15	309 513 R1	PLATE, transmission oil pump wear	314 239 R1		SHIM, reverse idler gear (used with PACKAGE, 314 240 R91) (2)
16	258 312 R1	GASKET, transmission oil pump wear plate	314 236 R1		SPACER, transmission case front (used with PACKAGE, 314 240 R91)
17	309 516 R1	GASKET, transmission oil pump body and strainer housing	256 685 R1		STUD, forward and reverse gear shift hand lever pivot bracket (*) (3)
18	309 515 R1	GEAR, transmission oil pump (14-T)	278 026 R1		WIRE, bulk locking (No. 14 ga.) (.0800") (customer must specify length required) (x)
19	254 693 R1	"O" RING, transmission oil pump strainer case (4-1/2 x 4-7/8 x 3/16" thick)			
20	258 310 R1	ROD, oil strainer retaining			
21	259 031 R1	CASE, transmission oil pump strainer			
22	343 856 R91	SCREEN, oil strainer			
23	259 032 R1	GASKET, transmission oil pump strainer cover			
24	259 033 R11	COVER, transmission oil pump strainer			
25	338 549 R91	OIL SEAL, transmission drive shaft			
26	309 517 R11	HOUSING and STRAINER w/PLUG, 444 678 and ROD, 258 310 R1, transmission oil pump body			
	444 678	PLUG, 1" sq-soc. M.l. pipe			
	24 843 R11	SCREW, 2" long hex-hd cap (2)			
	275 804 R1	SCREW, 3" long hex-hd cap (4)			
	114 606	WASHER, external-tooth lock (6)			
27	309 514 R1	GEAR, transmission oil pump idler (14-T)			
28	309 512 R1	SHAFT, transmission oil pump idler gear			
29	43 999 D	DOWEL, transmission case front cover (2)			
30	258 837 R21	PIPE, transmission case front cover vent			
31	18 585 DA	DOWEL, transmission case front spacer (2)			
32	27 792 R1	"O" RING, 1-1/16 x 1-5/16 x 1/8" mounting flange hole sealing (Replaces 254 954 R1) (*)			
	65 253 D	DOWEL, transmission case (*)			
	314 240 R91	PACKAGE, transmission case front spacer field service (consists of four SHIM, 314 238 R1, two SHIM, 314 239 R1 and SPACER, 314 236 R1)			(* - Not Furnished As Part Of Transmission Assembly. (x) - As Required.

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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COUNTERSHAFT, FORWARD AND REVERSE SHIFTER FORK (For Manual Shift Crawler Tractor)



CE-96957

1	272 146 R91	BEARING, transmission counter-shaft rear	13		CARRIER, shaft (not furnished separately)
2	264 625 R3	GEAR (order GEAR, 670 941 C1 and GEAR, 670 940 C1) first speed driven (26-T)	14	271 535 R1	NUT, fourth speed gear retainer
2	670 941 C1	GEAR (together with GEAR, 670 940 C1 will work for GEAR, 264 625 R3 and GEAR, 252 787 R3) first speed driven (25-T)	15	259 022 R31	GEAR w/BUSHING, 264 622 R1, reverse free (38-T) (Used w/COUNTERSHAFT, 318 973 R91)
3	264 624 R2	SPACER, first and second speed drive gear	15	338 170 R11	GEAR w/BUSHING, 264 622 R1, reverse free (Used w/TRANSMISSION, 314 833 R93)
4	273 635 R11	GEAR, second and third speed drive (34-39T)	16	264 622 R1	BUSHING, reverse free gear
5	264 626 R1	WASHER, forward free gear thrust	17	264 626 R1	WASHER, reverse free gear thrust
6	264 622 R1	BUSHING, forward free gear	18	264 627 R2	GEAR, fourth speed drive (52-T)
7	259 016 R31	GEAR w/BUSHING, 264 622 R1, forward free (40-T)	19	269 898 R91	BEARING, transmission countershaft front
8	259 348 R1	KEY, first speed drive gear	20	252 796 R1	RETAINER, transmission counter-shaft bearing
9	259 348 R1	KEY, second and third speed drive gear		24 851 R1	SCREW, hex-hd cap (4)
10	264 621 R2	COUNTERSHAFT, transmission		114 607	WASHER, external-tooth lock (4)
11	264 628 R1	KEY, fourth speed drive gear	21	338 815 R91	OIL SEAL, transmission countershaft
12	253 317 R4	COLLAR, forward and reverse shift	22	252 859 R2	SPRING, forward and reverse gear shifter poppet
			23	252 870 R1	POPPET, forward and reverse gear shifter
			24	252 822 R21	FORK w/two BUSHING, 252 881 R1, forward and reverse gear shifter

DRIVE TRAIN

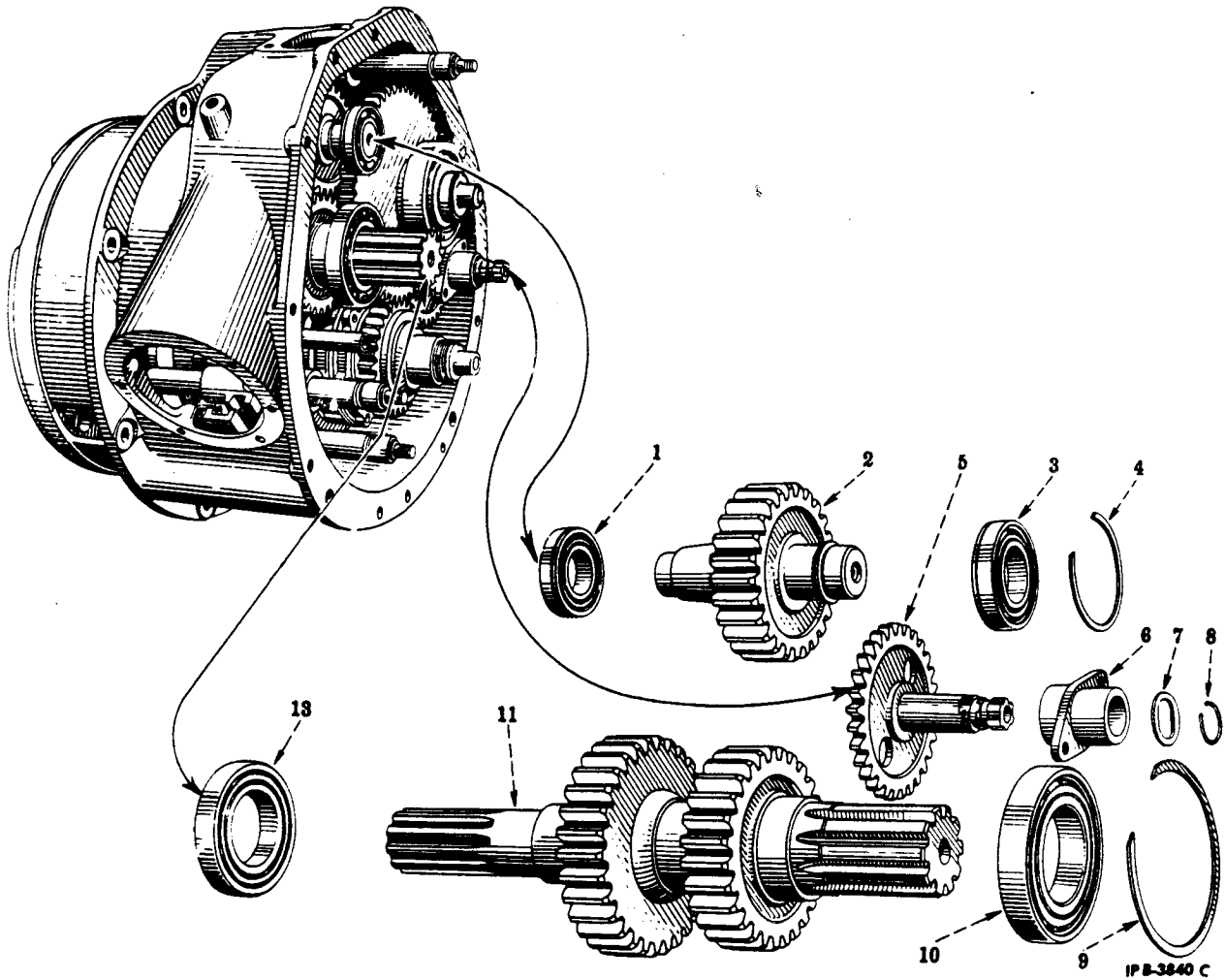
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
COUNTERSHAFT, FORWARD AND REVERSE SHIFTER FORK - Continued (For Manual Shift Crawler Tractor)			COUNTERSHAFT w/GEAR, transmission (Used w/TRANSMISSION, 314 833 R93) (*) - Continued (Composed of - Continued)		
25	252 881 R1	BUSHING, forward and reverse gear shifter fork (2)		1 GEAR	259 016 R31
26	252 829 R1	ROD, forward and reverse gear shifter		1 GEAR	338 170 R11
27	252 836 R2	"O" RING, forward and reverse shifter rod (7/8 x 1-1/4 x 3/16" thick)		1 GEAR	670 941 C1
28	252 848 R1	SHIM, forward and reverse shifter rod end, heavy		1 GEAR	264 627 R2
28	252 849 R1	SHIM, forward and reverse shifter rod end, medium	41 498 D	1 GEAR	273 635 R11
28	252 850 R1	SHIM, forward and reverse shifter rod end, light	115 733	2 KEY	259 348 R1
29	252 880 R1	PLATE, forward and reverse gear shifter rod end	103 385	1 KEY	264 628 R1
	24 840 R1	SCREW, hex-hd cap (2)		1 NUT	271 535 R1
	114 606	WASHER, external-tooth lock (2)	253 322 R2	1 RING	252 840 R1
30	252 840 R1	RING, countershaft rear bearing snap		1 SPACER	264 624 R2
	318 973 R91	COUNTERSHAFT w/GEAR and SYNCHRONIZER ASSEMBLY, transmission (Used w/TRANSMISSION, 314 833 R91) (*) (Composed of -	253 323 R2	2 WASHER	264 626 R1)
		1 BEARING			
		272 146 R91			
		1 BEARING			
		269 898 R91			
		1 COUNTER-SHAFT			
		264 621 R2			
		1 GEAR			
		259 016 R31			
		1 GEAR			
		259 022 R31			
		1 GEAR			
		670 941 C1			
		1 GEAR			
		264 627 R2			
		1 GEAR			
		273 635 R11			
		2 KEY			
		259 348 R1			
		1 KEY			
		264 628 R1			
		1 NUT			
		271 535 R1			
		1 RING			
		252 840 R1			
		3 RETAINER			
		253 323 R2			
		1 RETAINER			
		252 796 R1			
		1 SEAL			
		338 815 R91			
		1 SPACER			
		264 624 R2			
		3 SPRING			
		253 322 R2			
		1 SYNCHRONIZER			
		259 429 R92			
		2 WASHER			
		264 626 R1)			
		COUNTERSHAFT w/GEAR, transmission (Used w/TRANSMISSION, 314 833 R93) (*) (Composed of -	259 429 R92		
		1 BEARING			
		272 146 R91			
		1 BEARING			
		269 898 R91			
		1 COLLAR			
		253 317 R4			
		1 COUNTER-SHAFT			
		264 621 R2			

(*) - When replacing countershaft Assy if it has a 25 tooth first speed drive gear this must be matched with a 52 tooth first speed free gear if it has a 26 tooth first speed drive gear this must be matched with a 54 tooth first speed free gear.

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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DRIVE SHAFT, REVERSE IDLER GEAR AND OIL PUMP DRIVE GEAR (For Manual Shift Crawler Tractors)



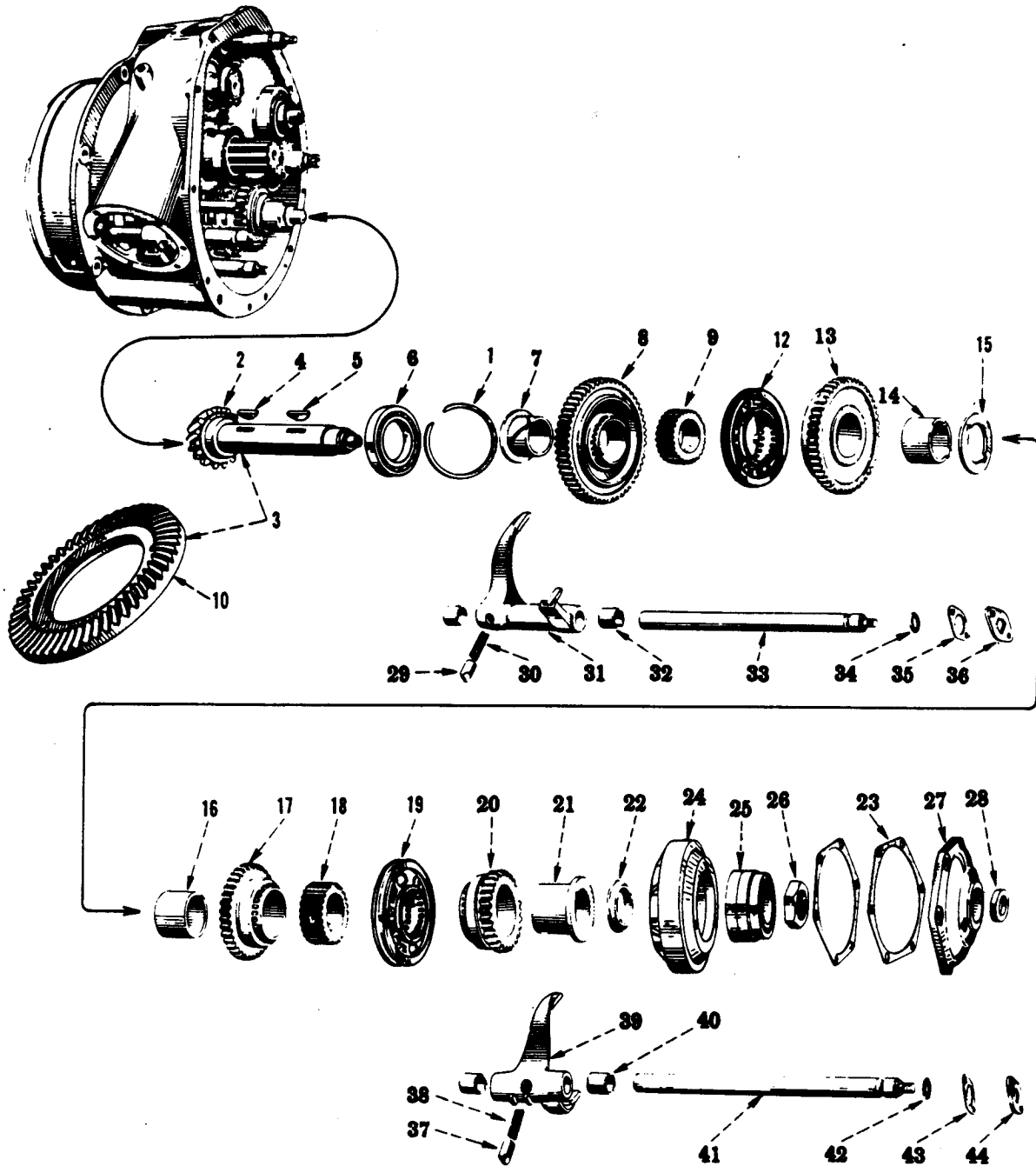
1	272 477 R92	BEARING, transmission reverse idler gear rear	5	338 168 R1	GEAR, transmission oil pump drive (Used w/TRANSMISSION, 314 833 R93)
2	252 791 R7	GEAR, transmission reverse idler (25-T) (Used w/TRANSMISSION, 314 833 R91)	6	256 370 R2	RETAINER, transmission oil pump drive gear
2	338 167 R1	GEAR, transmission reverse idler (Used w/TRANSMISSION, 314 833 R91)		24 855 R1	SCREW, hex-hd cap (2)
3	272 478 R91	BEARING, transmission reverse idler gear front		114 607	WASHER, external-tooth lock (2)
4	252 862 R1	RING, transmission reverse idler gear front bearing snap	7	256 604 R1	WASHER, transmission oil pump drive gear thrust
5	256 371 R3	GEAR, transmission oil pump drive (Used w/TRANSMISSION, 314 833 R91)	8	252 871 R1	RING, transmission oil pump drive gear snap
			9	252 851 R1	RING, transmission drive shaft front bearing snap

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
DRIVE SHAFT, REVERSE IDLER GEAR AND OIL PUMP DRIVE GEAR - Continued (For Manual Shift Crawler Tractors)					
10	627 158 C91	BEARING, transmission drive shaft front			
	or				
10	627 897 C91	BEARING, transmission drive shaft front			
11	257 130 R6	SHAFT, transmission drive (Used w/TRANSMISSION, 314 833 R91)			
11	338 169 R1	SHAFT, transmission drive (Used w/TRANSMISSION, 314 833 R93)			
13	627 898 C91	BEARING, transmission drive shaft rear			
	or				
13	627 157 C91	BEARING, transmission drive shaft rear			

DRIVE TRAIN

PINION SHAFT AND SHIFTER FORKS (For Manual Shift Crawler Tractors)



CE-96958A

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
PINION SHAFT AND SHIFTER FORKS - Continued (For Manual Shift Crawler Tractors)			23	252 873 R1	SHIM, bevel pinion shaft front bearing cage, heavy (x)
1	252 861 R1	RING, bevel pinion shaft rear bearing snap	23	252 874 R1	SHIM, bevel pinion shaft front bearing cage, medium (x)
2	309 523 R1	PINION w/SHAFT, bevel (13-T) (x)	23	252 875 R1	SHIM, bevel pinion shaft front bearing cage, light (x)
	24 862 R1	SCREW, 1-1/2" long hex-hd cap (6)	23	252 876 R1	SHIM, bevel pinion shaft front bearing cage, extra light (x)
	25 809 R1	SCREW, NF 1-1/4" long hex-hd cap (3)	24	269 882 R1	CAGE, bevel pinion shaft front bearing
	114 608	WASHER, external-tooth lock (9)	25	269 883 R91	BEARING, bevel pinion shaft front
3	309 524 R91	PINION and SHAFT, 309 523 R1 w/GEAR, 309 522 R1 drive bevel (matched pair) (*)	26	271 536 R1	NUT, bevel pinion and shaft
	309 522 R1	GEAR, drive bevel (50-T) (*)	27	269 885 R11	RETAINER w/SEAL, 338 815 R91, bevel pinion shaft front bearing
4	256 796 R1	KEY, first and second speed gear clutch carrier	28	338 815 R91	OIL SEAL, bevel pinion shaft
5	256 796 R1	KEY, third and fourth speed gear clutch carrier	29	252 870 R1	POPPET, first and second gear shifter
6	309 694 R91	BEARING, bevel pinion shaft rear	30	252 859 R2	SPRING, first and second gear shifter poppet
7	277 908 R1	SPACER, first speed free gear	31	252 823 R92	FORK w/two BUSHING, 252 881 R1, first and second gear shifter
8	252 787 R3	GEAR (order GEAR, 670 940 C1 and GEAR, 670 941 C1) first speed free (54-T)	32	252 881 R1	BUSHING, first and second gear shifter fork (2)
8	670 940 C1	GEAR (together with GEAR, 670 941 C1 will work for GEAR, 252 787 R3 and GEAR, 264 625 R3) first speed free (52-T)	33	252 830 R1	ROD, first and second gear shifter
9	252 810 R3	CARRIER, first and second speed gear clutch	34	252 836 R2	"O" RING, first and second gear shifter rod (7/8 x 1-1/4 x 3/16" thick)
10	309 522 R1	GEAR, drive bevel (50-T) (*)	35	252 848 R1	SHIM, first and second gear shifter rod end, heavy
12	253 326 R3	COLLAR, first and second shift	35	252 849 R1	SHIM, first and second gear shifter rod end, medium
13	252 788 R3	GEAR, second speed free (46-T)	35	252 850 R1	SHIM, first and second gear shifter rod end, light
14	264 274 R1	BUSHING, second speed free gear	36	252 880 R1	PLATE, first and second gear shifter rod end
15	264 276 R1	SPACER, second and third speed free gear		24 840 R1	SCREW, hex-hd cap (2)
16	264 275 R1	BUSHING, third speed free gear		114 606	WASHER, external-tooth lock (2)
17	273 634 R11	GEAR, third speed free	37	252 870 R1	POPPET, third and fourth gear shifter
18	252 811 R3	CARRIER, third and fourth speed gear clutch			
19	253 326 R3	COLLAR, third and fourth shift			
20	253 334 R3	GEAR, fourth speed free (28-T)			
21	256 799 R2	SPACER, fourth speed free gear			
22	269 881 R1	WASHER, fourth speed free gear spacer			

(*) - Also Listed and Illustrated with "Planet Power Drive".

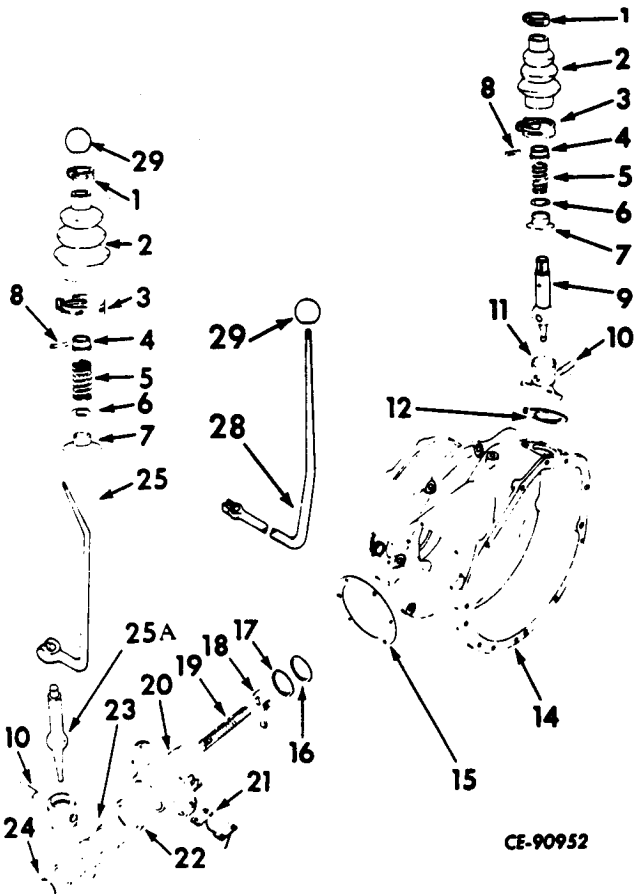
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DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
PINION SHAFT AND SHIFTER FORKS - Continued (For Manual Shift Crawler Tractors)					
38	252 859 R2	SPRING, third and fourth gear shifter poppet			
39	252 826 R21	FORK w/two BUSHING, 252 881 R1, third and fourth gear shifter			
40	252 881 R1	BUSHING, third and fourth gear shifter fork (2)			
41	252 831 R1	ROD, third and fourth gear shifter			
42	252 036 R2	"O" RING, third and fourth gear shifter rod (7/8 x 1-1/4 x 3/16" thick)			
	5. 48 R1	SHIM, third and fourth gear shifter rod end, heavy			
43	252 849 R1	SHIM, third and fourth gear shifter rod end, medium			
43	252 850 R1	SHIM, third and fourth gear shifter rod end, light			
44	252 880 R1	PLATE, third and fourth gear shifter rod end			
	24 840 R1	SCREW, hex-hd cap (2)			
	114 606	WASHER, external-tooth lock (2)			
	41 498 D	RETAINER, first and second gear shifter rod end plate			
	102 649	NUT (Slotted)			
	103 385	PIN, cotter			
	41 498 D	RETAINER, third and fourth gear shifter rod end plate			
	102 649	NUT, NF (slotted)			
	103 385	PIN, cotter			

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
SHIFTER LEVERS AND RELATED PARTS (For Manual Shift Crawler Tractors) Manual Shift 960 and below			9	272 942 R2	LEVER, forward and reverse gear shifter pivot
			10	252 843 R1	PIN, gear shift lever (2)
			11	252 795 R61	BRACKET w/PLUG, 103 884, forward and reverse gear shift pivot
				103 884	PLUG, 1/4" slt-hdls. pipe
				25 525 R1	NUT, NF (3)
				138 493	WASHER, external-tooth lock (3)
			12	252 858 R4	GASKET, forward and reverse gear shift pivot bracket
			14		CASE, transmission (See "Front Cover, Oil Pump and Strainer")
			15	252 866 R3	GASKET, transmission gear shift pivot bracket
			16	252 878 R1	RING, transmission pivot bracket snap
			17	252 867 R1	WASHER, transmission pivot bracket thrust
			18	314 828 R1	LEVER, transmission gear shift
				25 277 R1	SCREW, NF hex-hd cap
				114 608	WASHER, external-tooth lock
			19	259 027 R2	SHAFT, transmission gear shift lever
			20	314 830 R1	BRACKET, transmission gear shift hand lever pivot
				24 840 R1	SCREW, hex-hd cap (6)
				114 606	WASHER, external-tooth lock (6)
			21	314 825 R91	GATE, transmission gear shift lever
				25 228 R1	SCREW, hex-hd cap (4)
				114 605	WASHER, external-tooth lock (4)
			22	130 005 H1	OIL SEAL, transmission gear shift hand lever pivot bracket (Replaces 338 817 R91)
			23	259 026 R31	PIVOT w/PLUG, 172 576, transmission gear shift hand lever
			24	172 576	PLUG, 1-5/8" expansion
			25	616 333 C1	LEVER, transmission gear shift hand (Not for Model 2540 (Series C) Hydraulic Control Unit)
			25	617 990 C2	LEVER, transmission gear shift hand (For Model 2540 (Series C) Hydraulic Control Unit)
					(Order the following parts -
					1 CLEVIS 104 039
					1 FITTING 109 461
					2 KEY 124 552
					1 LEVER 616 333 C1
					1 LEVER 650 183 C1
					1 LEVER 307 437 R1
					1 LEVER 307 428 R2



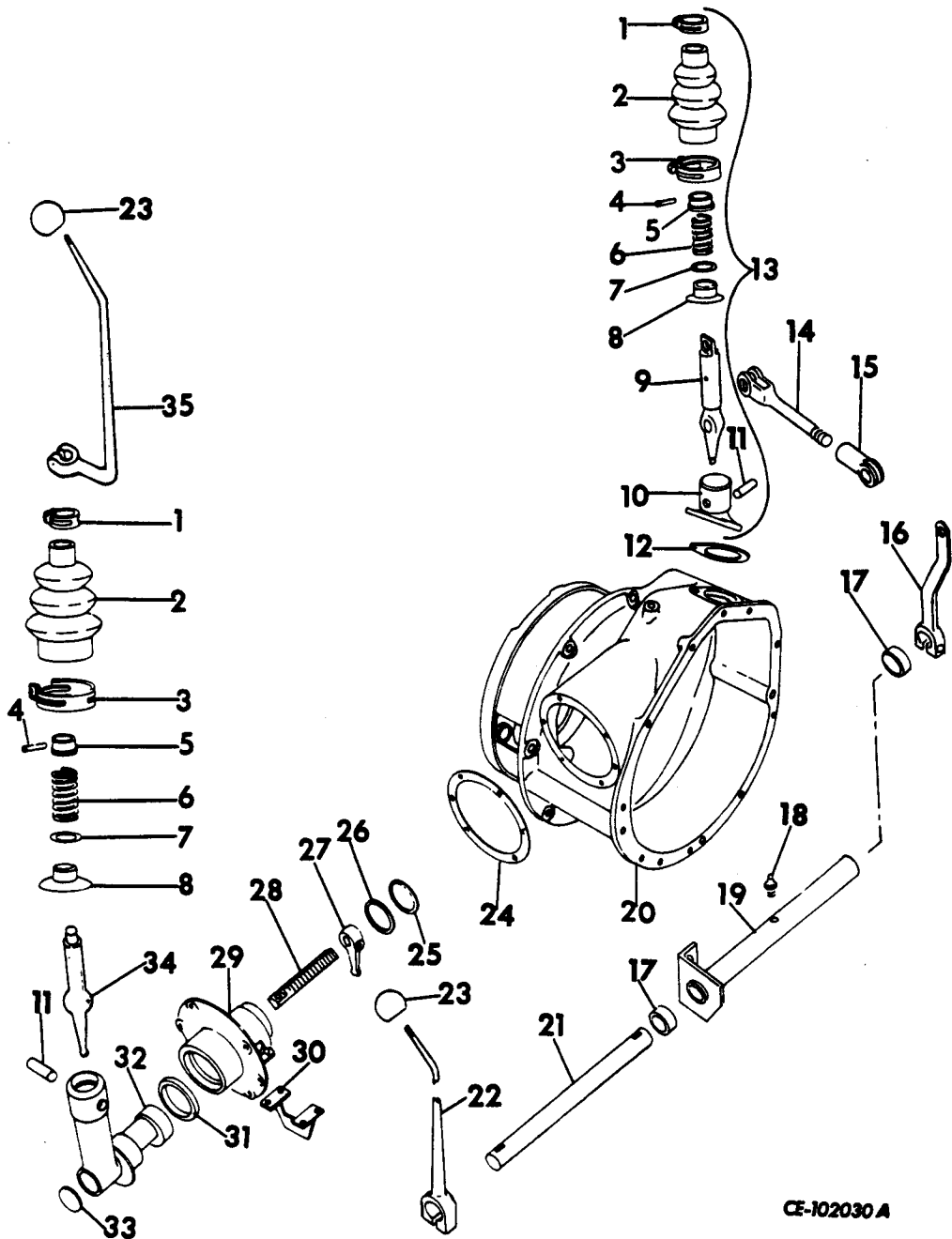
DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
SHIFTER LEVERS AND RELATED PARTS - Continued (For Manual Shift Crawler Tractors) Manual Shift 960 and below			28	617 991 C1	LEVER, forward and reverse gear shift hand (For Model 2540 (Series C) Hydraulic Control Unit) - Continued
25	617 990 C2	LEVER, transmission gear shift hand (For Model 2540 (Series C) Hydraulic Control Unit) - Continued (Order the following parts - Continued			(Order the following parts - Continued
		1 LINK 650 176 C1			1 LINK 650 176 C1
		1 NUT 214 442			1 NUT 214 442
		3 NUT 20 835 R1			3 NUT 20 835 R1
		2 PIN 103 498			2 PIN 103 498
		2 PIN 103 395			2 PIN 103 395
		2 SCREW 19 992 R1			2 SCREW 19 992 R1
		1 SCREW 20 612 R1			1 SCREW 20 612 R1
		1 SCREW 20 594 R1			1 SCREW 20 594 R1
		1 SHAFT 650 182 C1			1 SHAFT 650 182 C1
		1 SUPPORT 650 179 C91			1 SUPPORT 650 179 C91
		3 WASHER 11 002 VA)			3 WASHER 11 002 VA)
			25 526 R1		NUT, NF
			24 865 R1		SCREW, NF hex-hd cap
			114 608		WASHER, external-tooth lock
			124 552		KEY, forward and reverse gear shift hand lever (3/16 x 1" Woodruff No. 13)
25A	272 823 R1	LEVER, transmission gear shift pivot	29	264 055 R2	BALL, gear shift hand lever (2)
	124 552	KEY (3/16 x 1" Woodruff No. 13)			
	25 526 R1	NUT			
	24 865 R1	SCREW, NF hex-hd cap		259 427 R2	DOWEL, gear shift pivot bracket (8)
	116 121	WASHER, lock			
28	616 332 C1	LEVER, forward and reverse gear shift hand (Not for Model 2540 (Series C) Hydraulic Control Unit) (Order the following parts -		126 152	FITTING, lubrication
		1 CLEVIS 104 039			
		1 FITTING 109 461			
		2 KEY 124 552			
		1 LEVER 650 183 C1			
		1 LEVER 307 437 R1			
		1 LEVER 307 428 R2			
		1 LINK 650 176 C1			
		1 NUT 214 442			
		3 NUT 20 835 R1			
		2 PIN 103 498			
		2 PIN 103 395			
		2 SCREW 19 992 R1			
		1 SCREW 20 612 R1			
		1 SCREW 20 594 R1			
		1 SHAFT 650 182 C1			
		1 SUPPORT 650 179 C91			
		3 WASHER 11 002 VA)			
	25 526 R1	NUT, NF			
	24 865 R1	SCREW, hex-hd cap			
	114 608	WASHER, external-tooth lock			
28	617 991 C1	LEVER, forward and reverse gear shift hand (For Model 2540 (Series C) Hydraulic Control Unit) (Order the following parts -			
		1 CLEVIS 104 039			
		1 FITTING 109 461			
		2 KEY 124 552			
		1 LEVER 616 333 C1			
		1 LEVER 650 183 C1			
		1 LEVER 307 437 R1			
		1 LEVER 307 428 R2			

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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SHIFTER LEVERS AND RELATED PARTS
 (For Manual Shift Crawler Tractors)
 Manual Shift 961 and up



CE-102030 A

1	252 977 R91	CLAMP, gear shift lever boot upper (2)	4	104 075	RIVET, 3/16 x 1-1/2" rd-hd small solid (2)
2	325 029 R1	BOOT, gear shift lever (2)	5	252 852 R1	STOP, gear shift lever swivel cap spring (2)
3	252 978 R91	CLAMP, gear shift lever boot lower (2)	6	252 844 R1	SPRING, gear shift lever swivel cap (2)

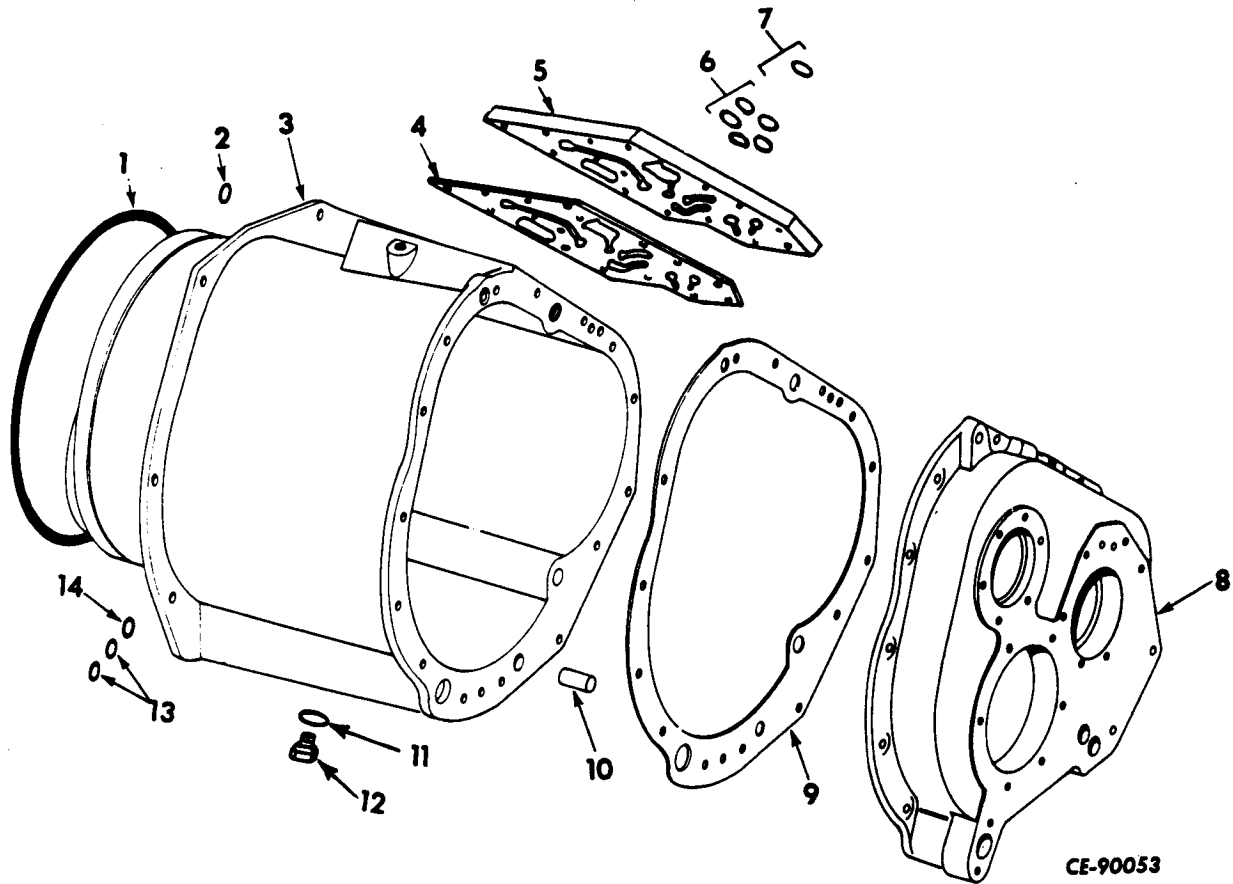
DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
SHIFTER LEVERS AND RELATED PARTS - Continued (For Manual Shift Crawler Tractors) Manual Shift 961 and up			24	252 866 R3	GASKET, transmission gear shift pivot bracket
7	256 141 R1	WASHER, gear shift swivel cap spring (2)	25	252 878 R1	RING, transmission pivot bracket snap
8	325 028 R1	CAP, gear shift swivel (2)	26	252 867 R1	WASHER, transmission pivot bracket thrust
9	307 428 R2	LEVER, forward and reverse gear shifter pivot	27	314 828 R1 25 277 R1 114 608	LEVER, transmission gear shift SCREW, NF hex-hd cap WASHER, external-tooth lock
10	252 795 R61 103 884	BRACKET w/PLUG, 103 884, forward and reverse gear shift pivot PLUG, 1/4" slit-hdls. pipe	28	259 027 R2	SHAFT, transmission gear shift lever
11	252 843 R1	PIN, gear shift lever (2)	29	314 830 R1 24 840 R1 114 606	BRACKET, transmission gear shift hand lever pivot SCREW, hex-hd cap (6) WASHER, external-tooth lock (6)
12	252 858 R4	GASKET, forward and reverse gear shift pivot bracket	30	314 825 R91 25 228 R1 114 605	GATE, transmission gear shift lever SCREW, hex-hd cap (4) WASHER, external-tooth lock (4)
13	307 427 R91 25 525 R1 114 607	SHIFTER ASSY, forward and reverse gear NUT, NF (3) WASHER, external-tooth lock (3)	31	130 005 H1	OIL SEAL, transmission gear shift hand lever pivot bracket (Replaces 338 817 R91)
14	650 176 C1	LINK ASSY, gear shifter connecting	32	259 026 R31	PIVOT w/PLUG, 172 576, transmission gear shift hand lever
15	104 039 25 527 R1 103 498 103 385	CLEVIS, adjusting rod end NUT, NF PIN, 1/2 x 1-27/64" rod end (2) PIN, 1/8 x 1" cotter (2)	33	172 576	PLUG, 1-5/8" expansion
16	307 437 R1 124 552 25 526 R1 24 865 R1 114 608	LEVER, forward and reverse gear shifter cross shaft KEY, Woodruff No. 13 NUT, NF SCREW, hex-hd cap WASHER, external-tooth lock	34	272 823 R1 124 552 R1 25 526 R1 24 865 R1 116 121	LEVER, transmission gear shift pivot KEY, Woodruff No. 13 NUT SCREW, NF hex-hd cap WASHER, lock
17	650 181 C1	BUSHING, cross shaft (2)	35	616 333 C1 259 427 R2	LEVER, transmission gear shift hand DOWEL, gear shift pivot bracket (8)
18	109 461	FITTING, lubrication	126 152	FITTING, lubrication	
19	650 179 C91 25 526 R1 24 862 R1 25 285 R1 114 608	SUPPORT w/two BUSHING, 650 181 C1 cross shaft NUT SCREW, 1-1/2" long hex-hd cap SCREW, 3-1/4" long hex-hd cap WASHER, external-tooth lock (2)			
20		CASE, transmission (See "Front Cover, Oil Pump and Strainer")			
21	650 182 C1	SHAFT, forward and reverse shifter lever cross			
22	650 183 C1 124 552 R1 20 835 R1 19 992 R1 114 608	LEVER, forward and reverse gear shift hand KEY, Woodruff No. 13 NUT, NF SCREW, NF hex-hd cap WASHER, external-tooth lock			
23	264 055 R2	BALL, gear shift hand lever (2)			

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRANSMISSION CASE, COVER AND RELATED PARTS (For Power Shift Crawler Tractors)



	700 019 C95	TRANSMISSION ASSEMBLY (Consists of all parts listed under "Transmission" (For power shift Paydozers) except "Gear Selector Lever and Related Parts")	4	617 234 C1	GASKET, hydraulic valve spacer
	19 409 R2	NUT (13)		617 233 C1	SPACER, hydraulic valve
	609 298 C1	WASHER, hardened (13)		444 613	PLUG, pipe (2)
1	259 428 R1	"O" RING, transmission case sealing (*)		632 287 C1	BOLT, flanged head (6)
2	253 070 R1	"O" RING, 7/8 x 1-1/8 x 1/8" (Used when plugging mounting hole) (*)		25 980 R1	SCREW, 5/16 x 1-7/8" long
3	604 326 C92	CASE ASSEMBLY, transmission (Consists of -		24 842 R1	hex-hd cap
		1 COVER		25 843 R1	SCREW, 3/8 x 1-3/4" long
		1 "O" RING		115 093	hex-hd cap
		2 PIN		116 120	SCREW, 3/8 x 2" long
		6 PLUG			hex-hd cap (2)
		1 PLUG			WASHER, 3/8" lock
		1 GASKET			WASHER, 5/16" lock (6)
			6	379 181 R1	RING, range selector valve sealing (in hydraulic valve spacer) (5)
					s - Not Furnished Separately.
					(*) - Not Furnished As Part Of Transmission Assembly.

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION CASE, COVER AND RELATED PARTS			27 792 R1		"O" RING, oil inlet pipe sealing
- Continued			876 070 R1		RING, seal (2)
(For Power Shift Crawler Tractors)			253 070 R1		RING, seal
7	574 069 R1	RING, range selector valve sealing (in hydraulic valve spacer for selector valve lube port)	253 968 R1		RING, seal
8	604 325 C1	COVER, transmission case	252 556 R1		RING, sealing
	179 885	SCREW, 1-1/2" long hex-hd cap	259 428 R1		RING, transmission case sealing
	179 889	SCREW, 2" long hex-hd cap (6)	610 412 C1		RING, seal
	179 890	SCREW, 2-1/4" long hex-hd cap (2)	610 413 C1		RING, front bearing cage seal
	179 893	SCREW, 3" long hex-hd cap (3)	307 915 R1		RING, tachometer shaft adapter seal
	187 201	SCREW, 4-3/4" long hex-hd cap	324 022 R1		RING, sealing (piston hook type)
	187 238	SCREW, 6" long hex-hd cap (2)	350 684 R1		RING, range selector valve sealing
	103 323	WASHER, lock (15)	324 248 R2		RING, clutch shaft sealing (4)
	444 867	PLUG, 3/8" hex-soc pipe (6)	324 248 R2		RING, forward clutch shaft seal (4)
	102 637	NUT, hex (13)	324 397 R1		RING, forward clutch piston housing sealing
9	322 831 R2	GASKET, transmission cover	148 817 H1		RING, forward clutch lathe cut sealing
10	107 393	PIN, 3/4 x 1-1/4" dowel (2)	734 106 C1		RING, forward clutch piston sealing (2)
11	364 885 R1	"O" RING	734 108 C1		RING, forward clutch accelerator piston (4)
12	9 410 360	PLUG	734 107 C1		RING, sealing (piston hook type) (2)
13	876 070 C1	"O" RING, 1-1/4 x 1-1/2 x 1/8" (located at rear main frame mounting flange hole in transmission case) (*) (2)	734 109 C1		RING, sealing (piston hook type) (4)
14	27 792 R1	"O" RING, 1-1/16 x 1-5/16 x 1/8" (located at rear main frame mounting flange hole in transmission case) (Replaces 254 954 R1) (*)	324 495 R1		RING, sealing (lathe cut)
	604 902 C92	PACKAGE, power shift transmission gasket (Consists of the following)	324 497 R1		RING, sealing
	321 992 R1	GASKET, valve cover (5)	324 641 R1		RING, wiper
	345 606 R1	GASKET, transmission signal pump	350 818 R1		RING, oil inlet pipe sealing
	322 831 R2	GASKET, transmission cover	350 818 R1		RING, seal
	617 234 C1	GASKET, hydraulic valve spacer	352 221 R1		RING, forward clutch shaft end cover (2)
	322 876 R1	GASKET, hydraulic valve spacer	352 221 R1		RING, seal (2)
	324 019 R1	GASKET, selector valve	574 069 R1		RING, seal (2)
	324 021 R1	GASKET, valve plate			
	325 040 R2	GASKET, main regulator valve			
	341 821 R1	GASKET, tachometer cable adapter cap			
	341 894 R1	GASKET, forward clutch shaft end cover			
	345 539 R1	GASKET, oil pump wear plate (2)			

(*) - Not Furnished As Part Of
Transmission Assembly.

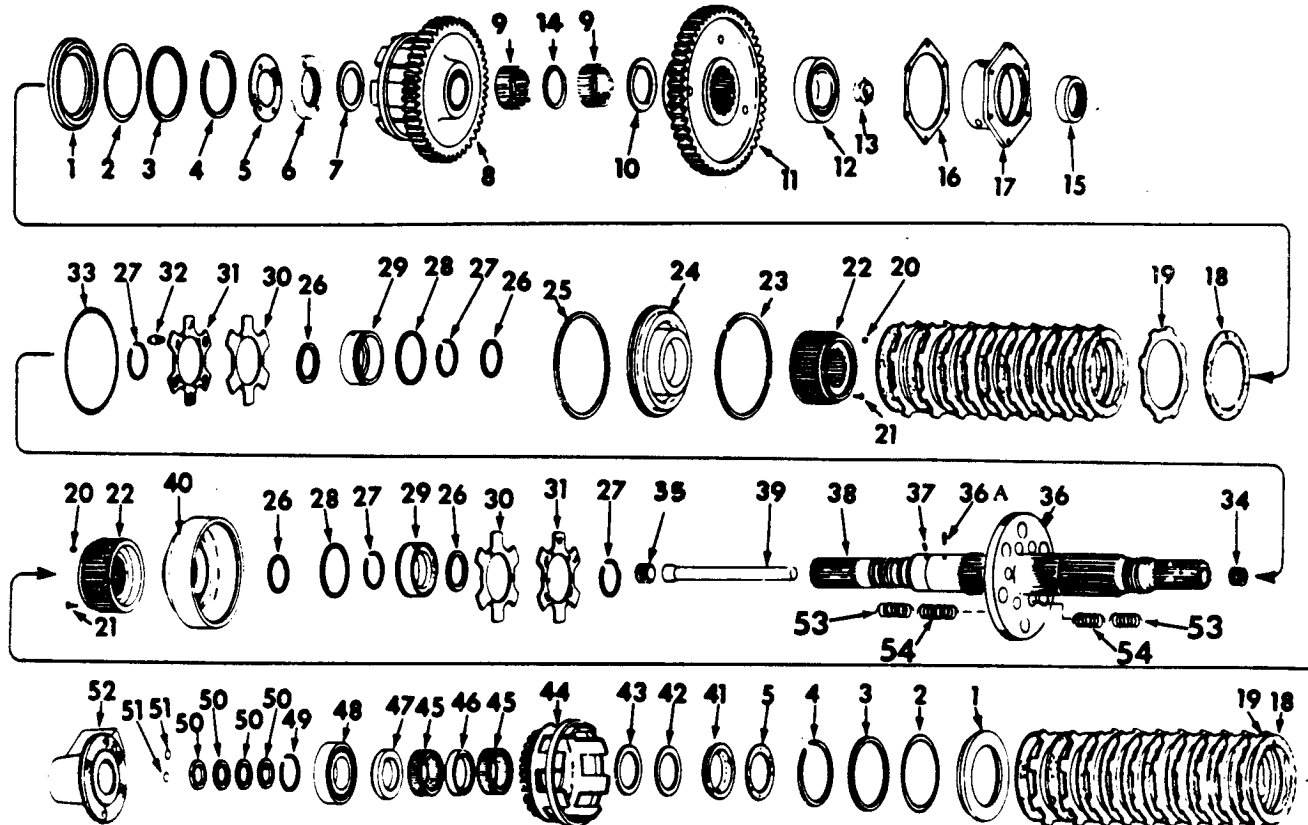
DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION CASE, COVER AND RELATED PARTS					
- Continued					
(For Power Shift Crawler Tractors)					
	355 966 R1	RING, transmission selector valve manifold sealing (10)			
	364 885 R1	RING, sealing (8)			
	606 922 C1	RING, pinion shaft front retainer sealing			
	252 739 R1	RING, retainer drain hole sealing			
	296 247 R1	RING, tachometer shaft adapter sealing			
	379 181 R1	RING, range selector valve sealing (5)			
	369 751 R1	RING, range selector valve spool plug sealing (2)			
	370 943 R1	RING, range selector valve cover sealing (6)			
	368 269 R1	RING, shuttle valve relief valve cap sealing			
	570 828 R1	RING, shuttle valve check valve cap sealing (2)			
	27 792 R1	RING, sealing			
	615 851 C1	SEAL, range selector valve shaft			
	322 837 R1	SHIM, bevel pinion shaft (medium) (2)			
	322 838 R1	SHIM, bevel pinion shaft (light) (2)			
	322 839 R1	SHIM, bevel pinion shaft (extra large) (2)			
	322 863 R1	SHIM, input shaft seal housing (light) (3)			
	322 864 R1	SHIM, input shaft seal housing (medium) (3)			
	322 865 R1	SHIM, input shaft seal housing (heavy) (3)			
	341 895 R1	SHIM, forward clutch shaft end cover (.010") (3)			
	341 896 R1	SHIM, forward clutch shaft end cover (.030") (3)			
	615 850 C1	WASHER, range selector valve shaft seal back up			

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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REVERSE CLUTCH PACK AND RELATED PARTS (For Power Shift Crawler Tractors)



IPB-13198C

1	324 484 R1	PLATE, clutch backing (Used w/ CLUTCH PACK, 702 022 C92) (order HUB ASSY, 627 581 C91) (2)	5	324 480 R2	RETAINER, clutch hub (4)
1	627 405 C1	PLATE, clutch backing (part of HUB ASSY, 627 581 C91) (2)	6	338 050 R1	PLATE, thrust
2	627 118 C1	RETAINER, snap ring (part of HUB ASSY, 627 146 C91) (x)	7	322 842 R1	WASHER, thrust
2	627 178 C1	RETAINER, snap ring (part of HUB ASSY, 627 146 C91) (x)	8	702 092 C1	GEAR, clutch second speed drive
3	324 469 R1	RING, snap (internal) (part of HUB ASSY, 627 146 C91) (2)	9	615 654 C91	BEARING, clutch second speed drive gear (2)
3	627 407 C1	RING, snap (internal) (part of HUB ASSY, 627 581 C91) (2)	10	322 846 R1	WASHER, thrust
4	156 898 H1	RING, snap (external) (part of HUB ASSY, 627 146 C91) (2)	11	617 232 C1	GEAR, forward drive
4	627 406 C1	RING, snap (external) (part of HUB ASSY, 627 581 C91) (2)	12	627 897 C91	BEARING, input shaft front
			12	627 158 C91	BEARING, input shaft front
			13	19 859 R1	NUT, input shaft front bearing retainer

(x) - As Required.

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
REVERSE CLUTCH PACK AND RELATED PARTS - Continued (For Power Shift Crawler Tractors)			29	338 500 R2	PISTON, accelerating (used w/ CLUTCH PACK, 702 022 C92)
14	615 673 C1	SPACER, clutch second speed drive gear bearing	29	625 608 C2	PISTON, accelerating (used w/ CLUTCH PACK, 625 602 C92) (2)
15	619 621 C91	SEAL, input shaft	30	163 425 H1	VALVE, disc (2)
16	322 863 R1	SHIM, input shaft seal housing (light) (.005) (3)	31	610 499 C1	DISC, reinforcing (used w/CLUTCH PACK, 702 022 C92) (2)
16	322 864 R1	SHIM, input shaft seal housing (medium) (.010) (3)	31	625 607 C1	DISC, reinforcing (used w/CLUTCH PACK, 625 602 C92) (2)
16	322 865 R1	SHIM, input shaft seal housing (heavy) (.020) (3)	32	610 485 C1	PIN, guide (3)
17	607 717 C1	HOUSING, input shaft oil seal	33	324 497 R1	SEAL RING
	24 840 R1	SCREW, 3/8 x 1" hex-hd cap (phc) (Type 8) (6)	34	347 553 R1	PLUG, 1/2" pipe
	115 093	WASHER, 3/8" lock (phc) (6)	35	347 554 R1	PLUG, 3/4" pipe
18	702 874 C1	PLATE, internal splined (22)	36	610 488 C1	PLATE, separator (used w/SHAFT ASSY, 702 090 C91)
19	156 320 H1	PLATE, external splined (20)	36	625 661 C1	PLATE, separator (used w/SHAFT ASSY, 625 609 C91)
20	327 178 R1	PIN, dowel (part of HUB ASSY, 627 146 C91) (6)	36A	17 164 R1	PIN, spring (2)
21	346 674 R1	BOLT, 5/16NF x 13/32" hex-hd (4)	37	324 441 R1	PIN, dowel
22	627 146 C91	HUB ASSY w/backing PLATE (order HUB ASSY, 627 581 C91) (2) (Composed of - § 1 HUB 3 PIN 327 178 R1 § 1 PLATE (x) RETAINER 627 118 C1 (x) RETAINER 627 178 C1 1 RING 156 898 H1 1 RING 324 469 R1)	38	702 090 C91	SHAFT ASSY, clutch (used w/ CLUTCH PACK, 702 022 C92) (Order the following parts - 1 DISC 625 607 C1 1 PISTON 625 608 C2 1 SHAFT 625 609 C91 1 SPRING 625 662 C1 1 SPRING 625 663 C1)
22	627 581 C91	HUB ASSY w/backing PLATE (2) (Composed of - 1 HUB 627 582 C1 1 PLATE 627 405 C1 1 RING 627 406 C1 1 RING 627 407 C1)	38	625 609 C91	SHAFT ASSY, clutch (used w/ CLUTCH PACK, 625 602 C92) (Consists of the following parts - 2 PIN 17 164 R1 1 PIN 324 441 R1 1 PLATE 625 661 C1 1 PLUG 347 553 R1 1 PLUG 347 554 R1 2 RING 156 896 H1 § 1 SHAFT)
22	627 582 C1	HUB (part of HUB ASSY, 627 581 C91) (2)	39		TUBE, clutch shaft (Not Furnished Separately.
23	156 897 H1	RING, snap (internal)	40	631 827 C1	HOUSING, piston
24	631 826 C1	PISTON, clutch	41	324 468 R2	SPACER, clutch
25	324 495 R1	SEAL RING (lathe cut)	42	156 324 H1	WASHER, thrust
26	734 109 C1	SEAL RING (piston hook type) (4)			§ - Not Furnished Separately.
27	156 896 H1	RING, snap (external) (4)			(x) - As Required.
28	734 107 C1	SEAL RING (piston hook type) (2)			

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
REVERSE CLUTCH PACK AND RELATED PARTS - Continued (For Power Shift Crawler Tractors)			702 022 C92	PACK ASSY, final clutch (order CLUTCH PACK ASSY, 625 602 C92) (reverse) - Continued (Composed of - Continued)	
43	163 459 H1	SPACER, washer		1 SHAFT	702 090 C91
44	324 472 R91	GEAR, first speed drive (Used w/clutch pack 625 602 C91)		1 SPACER	324 468 R2
44	634 117 C1	GEAR, first speed drive (Used w/clutch pack 631 976 C91)		1 SPACER	324 487 R1
45	324 490 R91	BEARING, caged roller (2)		1 SPACER	163 459 H1
46	324 487 R1	SPACER, bearing		1 SPACER	615 673 C1
47	322 848 R1	WASHER, reverse clutch low gear thrust		2 VALVE	163 425 H1
48	627 898 C91	BEARING, reverse clutch shaft rear		1 WASHER	322 842 R1
48	627 157 C91	BEARING, reverse clutch shaft rear		1 WASHER	156 324 H1
49	357 194 R1	RING, rear bearing snap		1 WASHER	322 846 R1)
50	324 248 R2	RING, clutch shaft seal (4)	625 602 C92	PACK ASSY, final clutch (reverse) P 3049 and below (Composed of -	
51	352 221 R1	"O" RING, 9/16 x 3/4 x 3/32" (2)		2 BEARING	615 654 C91
52	322 861 R1	COVER, input shaft end		2 BEARING	324 490 R91
	444 867	PLUG, 3/8" NPT CSK (2)		4 BOLT	346 674 R1
	24 840 R1	SCREW, 3/8 x 1" hex-hd cap (phc) (Type 8) (4)		2 DISC	625 607 C1
	115 093	WASHER, 3/8" lock (phc) (4)		1 GEAR	617 232 C1
53	625 662 C1	SPRING, comp (used w/CLUTCH PACK, 625 602 C92) (6)		1 GEAR	702 092 C1
54	625 663 C1	SPRING, comp (used w/CLUTCH PACK, 625 602 C92) (6)		1 GEAR	324 472 R91
	702 022 C92	PACK ASSY, final clutch (order CLUTCH PACK ASSY, 625 602 C92) (reverse)		1 HOUSING	631 827 C1
		(Composed of -		2 HUB	627 581 C91
		2 BEARING		3 PIN	610 485 C1
		2 BEARING		1 PISTON	631 826 C1
		4 BOLT		2 PISTON	625 608 C2
		2 DISC		22 PLATE	702 874 C1
		1 GEAR		20 PLATE	156 320 H1
		1 GEAR		4 RETAINER	324 480 R2
		1 GEAR		1 PLATE	338 050 R1
		1 GEAR		2 RING	734 107 C1
		1 HOUSING		4 RING	734 109 C1
		2 HUB		1 RING	156 897 H1
		3 PIN		2 RING	156 896 H1
		1 PISTON		1 RING	324 495 R1
		2 PISTON		1 RING	324 497 R1
		22 PLATE		1 SHAFT	625 609 C91
		20 PLATE		1 SPACER	324 468 R2
		1 PLATE		1 SPACER	324 487 R1
		4 RETAINER		1 SPACER	163 459 H1
		2 RING		1 SPACER	615 673 C1
		4 RING		6 SPRING	625 662 C1
		1 RING		6 SPRING	625 663 C1
		2 RING		2 VALVE	163 425 H1
		1 RING		1 WASHER	322 842 R1
		1 RING		1 WASHER	156 324 H1
		1 RING		1 WASHER	322 846 R1)

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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REVERSE CLUTCH PACK AND RELATED PARTS -

Continued

(For Power Shift Crawler Tractors)

631 976 C91 PACK ASSY, final clutch (Reverse)

P 3050 and up

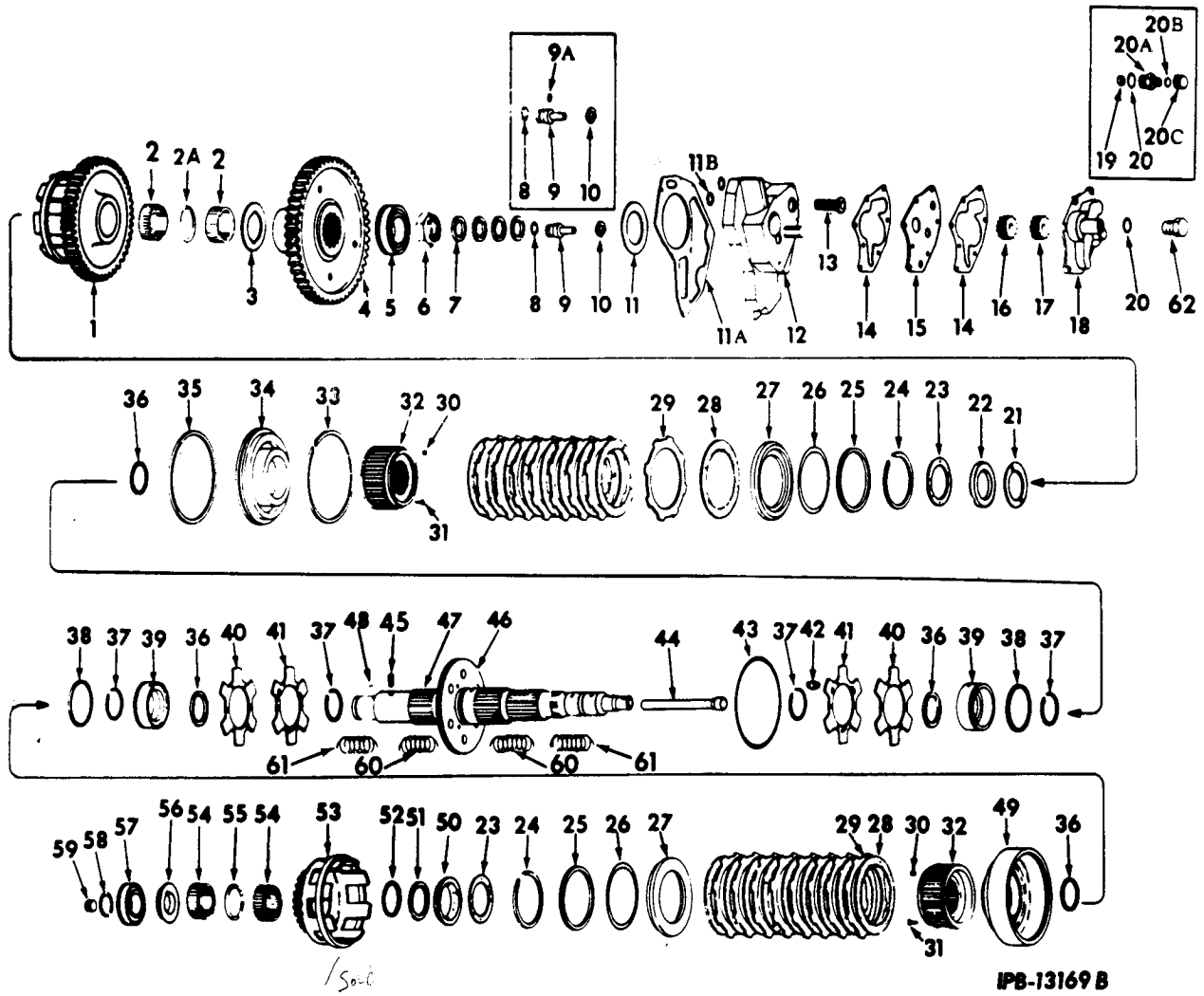
(Composed of -

2	BEARING	615 654 C91
2	BEARING	324 490 R91
4	BOLT	346 674 R1
2	DISC	625 607 C1
1	GEAR	617 232 C1
1	GEAR	702 092 C1
1	GEAR	634 117 C1
1	HOUSING	631 827 C1
2	HUB	627 581 C91
3	PIN	610 485 C1
1	PISTON	631 826 C1
2	PISTON	625 608 C2
22	PLATE	702 874 C1
20	PLATE	156 320 H1
4	RETAINER	324 480 R2
1	PLATE	338 050 R1
2	RING	734 107 C1
4	RING	734 109 C1
1	RING	156 897 H1
2	RING	156 896 H1
1	RING	324 495 R1
1	RING	324 497 R1
1	SHAFT	625 609 C91
1	SPACER	324 468 R2
1	SPACER	324 487 R1
1	SPACER	163 459 H1
1	SPACER	615 673 C1
6	SPRING	625 662 C1
6	SPRING	625 663 C1
2	VALVE	163 425 H1
1	WASHER	322 842 R1
1	WASHER	322 846 R1)

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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FORWARD CLUTCH PACK AND RELATED PARTS (For Power Shift Crawler Tractors)



1	702 091 C1	GEAR, clutch second speed drive	6	19 859 R1	NUT, forward clutch shaft bearing retaining
2	615 654 C91	BEARING, clutch second speed drive gear (2)	7	324 248 R2	RING, forward clutch shaft seal (4)
2A	615 673 C1	SPACER, clutch second speed drive gear bearing	8	574 069 R1	"O" RING, 3/4 x 7/8 x 1-1/16" (Used w/SHAFT ASSY, 702 089 C91)
3	322 846 R1	WASHER, thrust	8	347 641 R1	RING, seal (Used w/SHAFT ASSY, 625 606 C91)
4	617 231 C1	GEAR, forward driven	9	604 352 C11	DRIVE w/DOWEL, 141 106, flexible shaft (Used w/SHAFT ASSY, 702 089 C91)
5	627 897 C91	BEARING, forward clutch shaft			
5	627 158 C91	BEARING, forward clutch shaft			

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
FORWARD CLUTCH PACK AND RELATED PARTS - Continued (For Power Shift Crawler Tractors)			22	322 841 R1	PLATE, thrust
			23	610 498 C1	RETAINER, clutch hub (4)
9	324 253 R2	PLUG, tachometer drive (Used w/ SHAFT ASSY, 625 606 C91)	24	324 385 R1	RING, snap (external) (part of HUB ASSY, 627 107 C91) (2)
9A	141 106	DOWEL, flexible shaft (Part of DRIVE, 604 352 C11)	24	627 579 C1	RING, snap (external) (part of HUB ASSY, 627 576 C91) (2)
10	324 252 R1	RING, snap	25	324 384 R1	RING, snap (internal) (part of HUB ASSY, 627 107 C91) (2)
11	341 895 R1	SHIM, forward clutch shaft end cover (.010")	25	25 010 R1	RING, snap (internal) (part of HUB ASSY, 627 576 C91) (2)
11	341 896 R1	SHIM, forward clutch shaft end cover (.030")	26	627 116 C1	RETAINER, snap ring (part of HUB ASSY, 627 107 C91) (x)
11A	341 894 R1	GASKET, forward clutch shaft end cover	26	627 177 C1	RETAINER, snap ring (part of HUB ASSY, 627 107 C91) (x)
11B	352 221 R1	"O" RING, forward clutch shaft end cover (9/16 x 3/4 x 3/32")	27	324 453 R1	PLATE, clutch backing (used w/ CLUTCH PACK, 702 023 C92) (order HUB ASSY, 627 576 C91) (2)
12	345 536 R11	COVER w/two PLUG, 444 625, forward clutch shaft	27	627 578 C1	PLATE, clutch backing (part of HUB ASSY, 627 576 C91) (2)
	444 625	PLUG, hex-hd pipe (2)			
	24 862 R1	SCREW, hex-hd cap (4)			
	116 121	WASHER, lock (4)	28	619 200 C1 or 634 537 C1	PLATE, internal splined (18)
13	322 877 R91	STRAINER, scavenger pump			PLATE, internal splined (18)
14	345 539 R1	GASKET, oil pump wear plate (2)	29	324 452 R1	PLATE, external splined (16)
15	345 538 R1	PLATE, oil pump wear	30	327 178 R1	PIN, dowel (part of HUB ASSY, 627 107 C91) (2)
16	252 812 R1	GEAR, oil pump idler	31	346 674 R1	BOLT, 5/16NF x 13/32" hex-hd (4)
17	322 853 R1 124 546	GEAR, oil pump drive KEY, Woodruff No. 6	32	627 107 C91	HUB ASSY w/backing PLATE (order HUB ASSY, 627 576 C91) (2) (Composed of - § 1 HUB 3 PIN 327 178 R1 § 1 PLATE (x) RETAINER 627 116 C1 (x) RETAINER 627 177 C1 1 RING 324 385 R1 1 RING 324 384 R1)
18	604 354 C1 347 313 R1 347 314 R1 444 613 116 121	HOUSING, oil pump BOLT, mounting (3) BOLT, mounting (3) PLUG, scavenging pump inlet WASHER, 1/2" lock (phc)			
19	603 869 C91	SEAL, flexible shaft drive oil P501 to #			
20	307 915 R1	"O" RING, tachometer shaft adapter (1.475 x 1.711 x .118")	32	627 576 C91	HUB ASSY w/backing PLATE (2) (Composed of - 1 HUB 627 577 C1 1 PLATE 627 578 C1 1 RING 25 010 R1 1 RING 627 579 C1)
20A	604 353 C1	ADAPTER, flexible shaft P501 to #			
20B	341 821 R1	GASKET, tachometer cable adapter cap P501 to #	32	627 577 C1	HUB (part of HUB ASSY, 627 576 C91) (2)
20C	26 114 HO	CAP, tachometer cable adapter P501 to #			# - Serial Number Not Available.
21	322 842 R1	WASHER, thrust			(x) - As Required. § - Not Furnished Separately.

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
FORWARD CLUTCH PACK AND RELATED PARTS - Continued (For Power Shift Crawler Tractors)			48	324 441 R1	PIN, dowel
			49	929 342 C1	HOUSING, piston
33	324 387 R1	RING, snap (internal)	50	324 444 R1	SPACER, clutch
34	929 341 C1	PISTON, clutch	51	324 437 R1	WASHER, thrust
35	324 432 R1	RING, seal (lathe cut)	52	324 433 R1	SPACER, washer (2)
36	734 108 C1	RING, seal (piston hook type) (4)	53	324 451 R92	GEAR, first speed drive (used w/clutch pack 625 603 C93)
37	324 386 R1	RING, snap (external) (4)	53	<i>Sold</i> 634 118 C1	GEAR, first speed drive (used w/clutch pack 631 975 C91)
38	734 106 C1	RING, seal (piston hook type) (2)	54	324 399 R91	BEARING, caged roller (2)
39	338 461 R2	PISTON, accelerating (used w/CLUTCH PACK, 702 023 C92) (2)	55	324 443 R1	SPACER, bearing
39	929 340 C1	PISTON, accelerating (used w/CLUTCH PACK, 625 603 C93) (2)	56	322 848 R1	WASHER, forward clutch low gear thrust
40	610 494 C1	VALVE, disc (2)	57	627 898 C91	BEARING, forward clutch shaft rear
41	610 496 C1	DISC, reinforcing (used w/CLUTCH PACK, 702 023 C92) (2)	57	627 157 C91	BEARING, forward clutch shaft rear
41	625 605 C1	DISC, reinforcing (used w/CLUTCH PACK, 625 603 C93) (2)	58	357 194 R1	RING, rear bearing retainer
42	610 495 C1	PIN, guide (3)	59	347 553 R1	PLUG, pipe
43	324 397 R1	RING, seal	60	625 662 C1	SPRING, comp (used w/CLUTCH PACK, 625 603 C93) (6)
44		TUBE (Not Furnished Separately)	61	625 663 C1	SPRING, comp (used w/CLUTCH PACK, 625 603 C93) (6)
45	17 164 R1	PIN, spring (2)	62	604 667 C1	PLUG, hydraulic manifold P # up
46	610 493 C1	PLATE, separator (used w/SHAFT ASSY, 702 089 C91)	702 023 C92		PACK ASSY, final clutch (forward) (order CLUTCH PACK, 625 603 C93) (Composed of -
46	625 644 C2	PLATE, separator (used w/SHAFT ASSY, 625 606 C91)			2 BEARING 615 654 C91
47	702 089 C91	SHAFT ASSY, clutch (used w/CLUTCH PACK, 702 023 C92) (Order the following parts -			2 BEARING 324 399 R91
		1 DISC 625 605 C1			4 BOLT 346 674 R1
		1 PISTON 929 340 C1			2 DISC 610 496 C1
		1 SHAFT 625 606 C91			1 GEAR 617 231 C1
		6 SPRING 625 662 C1			1 GEAR 324 451 R92
		6 SPRING 625 663 C1)			1 GEAR 702 091 C1
47	625 606 C91	SHAFT ASSY, clutch (used w/CLUTCH PACK, 625 603 C93) (Consists of the following parts -			1 HOUSING 929 342 C1
		2 PIN 17 164 R1			2 HUB 627 576 C91
		1 PIN 324 441 R1			3 PIN 610 495 C1
		1 PLATE 625 644 C2			2 PISTON 338 461 R2
		1 PLUG 347 553 R1			1 PISTON 929 341 C1
		1 PLUG 324 253 R2			16 PLATE 324 452 R1
		1 RING 324 252 R1			18 PLATE 619 200 C1
		2 RING 324 386 R1			or
		1 RING 347 641 R1			18 PLATE 634 537 C1
		§ 1 SHAFT)			4 RETAINER 610 498 C1
					1 RING 324 397 C1
					2 RING 734 106 C1
					1 RING 324 432 R1
					4 RING 734 108 C1
					2 RING 324 386 R1
					1 RING 324 387 R1
					§ - Not Furnished Separately.
					* - Serial Number Not Available.

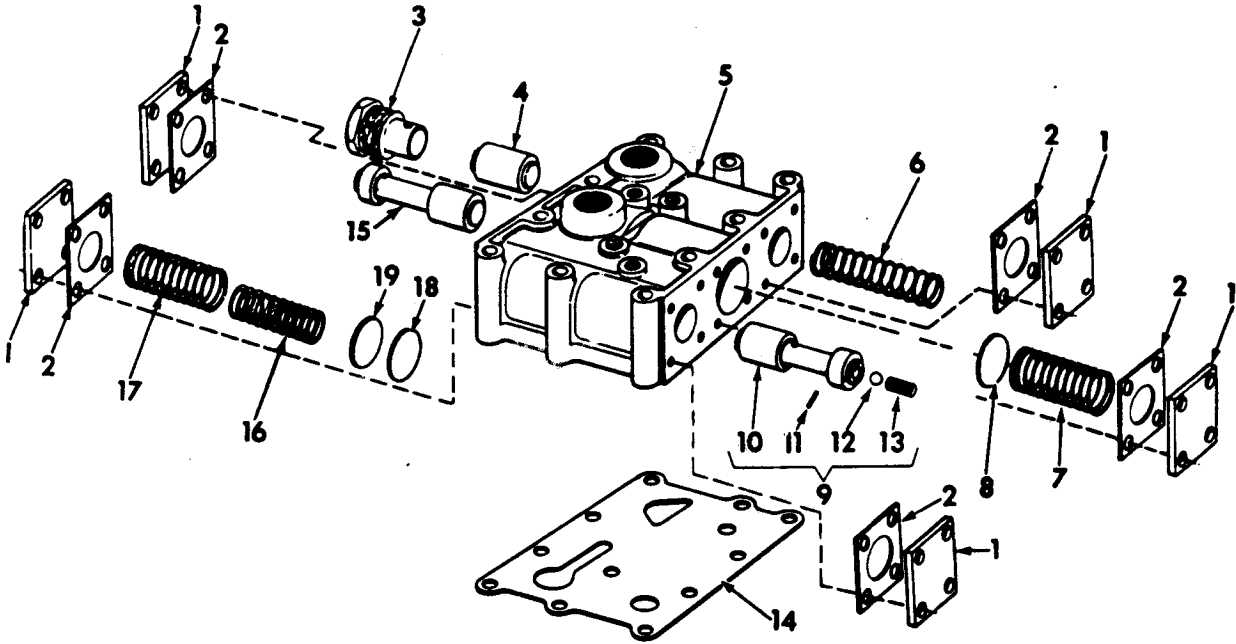
DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
FORWARD CLUTCH PACK AND RELATED PARTS -					
Continued					
(For Power Shift Crawler Tractors)					
702 023 C92		PACK ASSY, final clutch (forward) (order CLUTCH PACK, 625 603 C93) - Continued (Composed of - Continued	631 975 C91		PACK ASSY, final clutch (forward) P 3050 and up (Composed of -
		1 SHAFT 702 089 C91			2 BEARING 615 654 C91
		1 SPACER 324 433 R1			2 BEARING 324 399 R91
		1 SPACER 324 443 R1			4 BOLT 346 674 R1
		1 SPACER 324 444 R1			2 DISC 625 605 C1
		1 SPACER 615 673 C1			1 GEAR 617 231 C1
		2 VALVE 610 494 C1			1 GEAR 634 118 C1
		1 WASHER 322 841 R1			1 GEAR 702 091 C1
		1 WASHER 322 842 R1			1 HOUSING 929 342 C1
		1 WASHER 324 437 R1			2 HUB 627 576 C91
		1 WASHER 322 846 R1)			3 PIN 610 495 C1
625 603 C93		PACK ASSY, final clutch (forward) P 3049 and below			2 PISTON 929 340 C1
		(Composed of -			1 PISTON 929 341 C1
		2 BEARING 615 654 C91			16 PLATE 324 452 R1
		2 BEARING 324 399 R91			18 PLATE 619 200 C1
		4 BOLT 346 674 R1			18 PLATE 634 537 C1
		2 DISC 625 605 C1			4 RETAINER 610 498 C1
		1 GEAR 617 231 C1			1 RING 324 397 R1
		1 GEAR 324 451 R92			2 RING 734 106 C1
		1 GEAR 702 091 C1			1 RING 324 432 R1
		1 HOUSING 929 342 C1			4 RING 734 108 C1
		2 HUB 627 576 C91			2 RING 324 386 R1
		3 PIN 610 495 C1			1 RING 324 387 R1
		2 PISTON 929 340 C1			1 SHAFT 625 606 C91
		1 PISTON 929 341 C1			1 SPACER 324 433 R1
		16 PLATE 324 452 R1			1 SPACER 324 443 R1
		18 PLATE 619 200 C1			1 SPACER 324 444 R1
		or			1 SPACER 615 673 C1
		18 PLATE 634 537 C1			6 SPRING 625 662 C1
		4 RETAINER 610 498 C1			6 SPRING 625 663 C1
		1 RING 324 397 R1			2 VALVE 610 494 C1
		2 RING 734 106 C1			1 WASHER 322 841 R1
		1 RING 324 432 R1			1 WASHER 322 842 R1
		4 RING 734 108 C1			1 WASHER 324 437 R1
		2 RING 324 386 R1			1 WASHER 322 846 R1)
		1 RING 324 387 R1			
		1 SHAFT 625 606 C91			
		1 SPACER 324 433 R1			
		1 SPACER 324 443 R1			
		1 SPACER 324 444 R1			
		1 SPACER 615 673 C1			
		6 SPRING 625 662 C1			
		6 SPRING 625 663 C1			
		2 VALVE 610 494 C1			
		1 WASHER 322 841 R1			
		1 WASHER 322 842 R1			
		1 WASHER 324 437 R1			
		1 WASHER 322 846 R1)			

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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MAIN REGULATOR VALVE (For Power Shift Crawler Tractors)



CE-89404

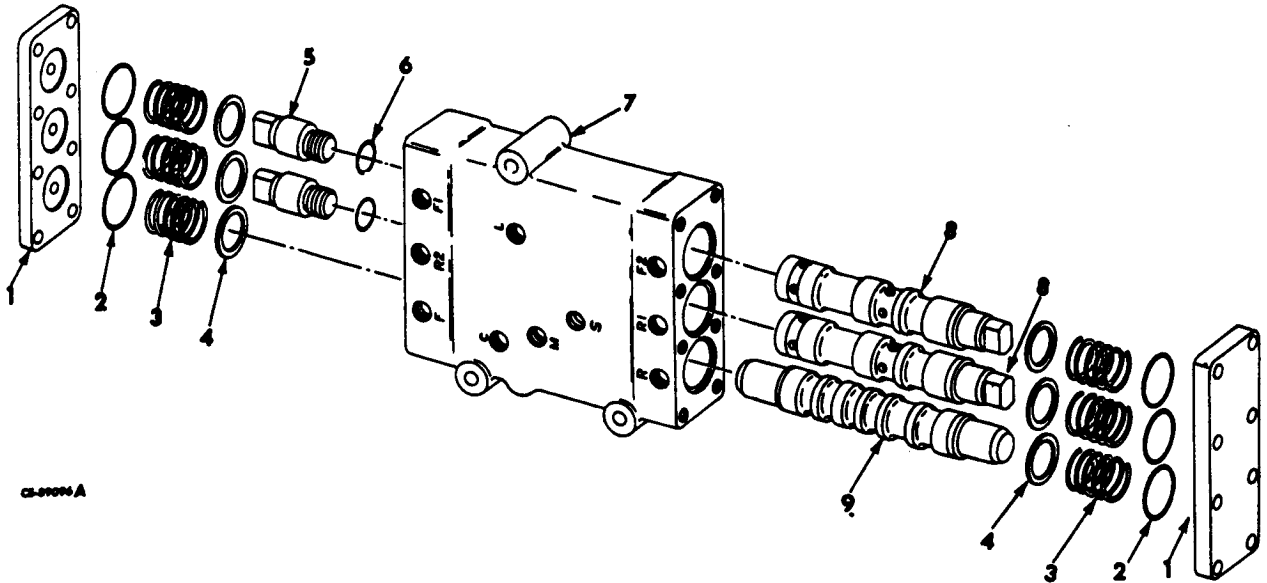
1	321 991 R1 217 233	COVER, valve (5) SCREW w/lock WASHER, hex-hd cap (20)	16	324 299 R1	SPRING, main pressure regulator (inner)
2	321 992 R1	GASKET, valve cover (5)	17	606 512 C1	SPRING, main regulator (x)
3	616 438 C1	PLUG, shuttle valve supply	18	606 506 C1	WASHER, spring (x)
4	321 994 R1	VALVE, lubricating pressure regulator	19	321 997 R1	WASHER, spring (x)
5		BODY, main regulator valve (Not Furnished Separately)		444 613	PLUG, 1/8" sq-hd pipe (3)
6	336 103 R1	SPRING, lubricating valve		610 702 C92	VALVE ASSEMBLY, main regulator (Composed of - § 1 BODY 5 COVER 321 991 R1 5 GASKET 321 992 R1 1 PLUG 343 556 R1 (Not Used) 444 613
7	610 703 C1	SPRING, by-pass valve			3 PLUG 444 613 1 SPRING 610 703 C1 1 SPRING 324 299 R1 1 SPRING 606 512 C1 1 SPRING 336 103 R1 1 VALVE 321 994 R1 1 VALVE 186 451 H2 1 VALVE 338 651 R94
8	321 997 R1	WASHER (x)			x WASHER 321 997 R1 x WASHER 606 506 C1)
9	338 651 R94	VALVE, main spool		24 846 R1	SCREW, hex-hd cap (11)
10		VALVE, main spool (Not Furnished Separately)		115 093	WASHER, lock (11)
11	20 139 R1	PIN, main spool valve			
12	346 509 R1	BALL, main spool valve			
13	347 243 R1	SPRING, main spool valve			
14	325 040 R2	GASKET, main valve body			
15	186 451 H2	VALVE, by-pass			

(x) - As Required.
§ - Not Furnished Separately.

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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RANGE SELECTOR VALVE (For Power Shift Crawler Tractors)

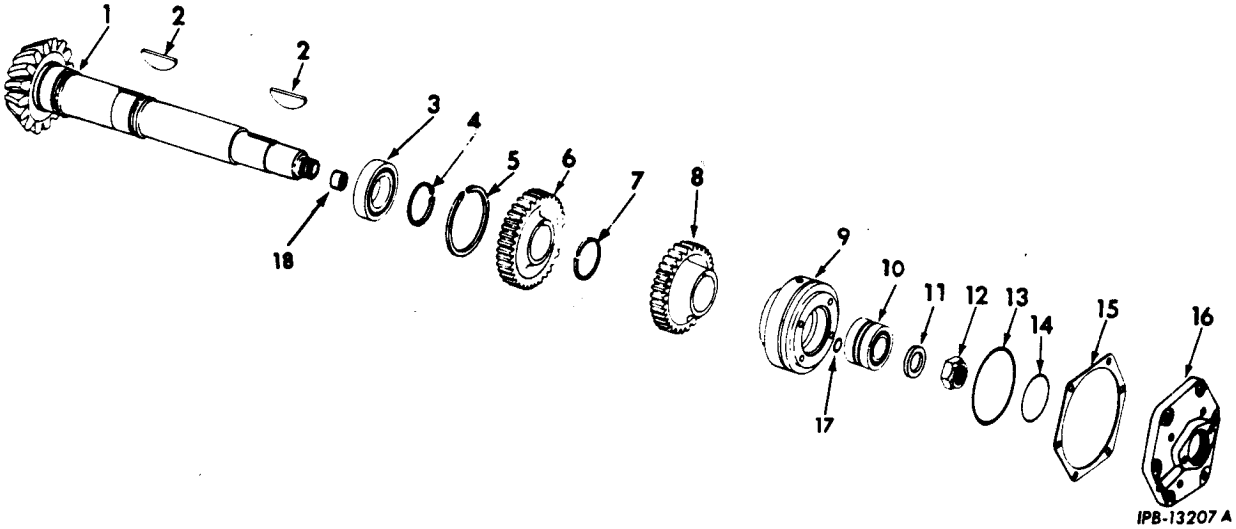


	700 021 C93	VALVE ASSY, range selector (together with PLUG, 446 614, will work for VALVE ASSY, 700 021 C91)	2	370 943 R1	"O" RING, 1-1/8 x 1-1/4 x 1/16" (6)	
	277 232 R1	SCREW, hex-hd cap (3)		3	617 240 C2	SPRING, spool centering (6)
	115 093	WASHER, lock (3)		4	617 241 C1	SPACER, spring (6)
	379 181 R1	"O" RING, 5/8 x 3/4 x 1/16" (valve mounting) (5)		5	617 239 C1	PLUG, spool (2)
	574 069 R1	"O" RING, 3/4 x 7/8 x 1/16" (valve mounting)		6	369 751 R1	"O" RING, .351 x .495 x .072 (2)
	444 614	PLUG, 1/8" pipe (in "S" port)		7		BODY, valve (Not Furnished Separately)
	444 652	PLUG, 1/8" NPT sq-soc-pipe (in F, C and R parts of valve top) (3) (Consists of the following parts—		8		SPOOL, forward and reverse (Not Furnished Separately)
1	617 242 C1	COVER, body end (2)		9		SPOOL (Not Furnished Separately)
	25 492 R1	SCREW, hex-hd cap (16)				
	103 320	WASHER, lock (16)				

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BEVEL PINION SHAFT AND RELATED PARTS (For Power Shift Crawler Tractors)



1	705 111 C1	PINION AND SHAFT, w/BUSHING, bevel (will work for PINION AND SHAFT 703 358 C91) (*)	15	322 838 R1	SHIM, bevel pinion shaft (light) (.0070) (2)
2	12 484 R1	KEY, Woodruff No. 30 (2)	15	322 839 R1	SHIM, bevel pinion shaft (extra light) (.0040) (2)
3	619 768 C91	BEARING, bevel pinion and shaft rear	16	617 230 C11	RETAINER w/BALL, D-2615), bevel pinion shaft front
4	617 226 C1	RING, bearing retainer (external)	24 864 R1		SCREW, 2" long hex-hd cap (6)
5	316 531 R1	RING, bevel pinion and shaft rear bearing (internal)	80 295 R1		SCREW, NF 1-1/2" long hex-hd cap (4)
6	322 833 R1	GEAR, forward and reverse drive low P3049 and below	116 121		WASHER, lock (10)
6	705 114 C1	GEAR, forward and reverse drive low P3050 and up	17	252 739 R1	"O" RING, 1/2 x 11/16 x 3/32"
7	617 227 C1	RING, low gear snap	18	616 437 C1	BUSHING SIGNAL PUMP (used w/ SHAFT, 703 358 C91)
8	322 835 R3	GEAR, forward and reverse drive high	617 972 C1		COVER, PINION FRONT BEARING RETAINER (Not for units with transmission signal pump)
9	617 229 C1	CAGE, bevel pinion shaft front bearing	101 896 R1		SCREW, hex-hd cap (2)
10	615 671 C91	BEARING, bevel pinion and shaft front (optional w/615 672 C91)	103 321		WASHER, lock (2)
10	615 672 C91	BEARING, bevel pinion and shaft front (optional w/615 671 C91)	345 606 R1		SEAL COVER (Not for units equipped with transmission signal pump)
11	617 235 C1	WASHER, pinion shaft front bearing	D-2615		BALL, 3/8" chrome
12	19 859 R1	NUT, bevel pinion front bearing retainer			
13	610 413 C1	"O" RING, 7-3/4 x 8 x 1/8"			
14	606 922 C1	"O" RING, 5-3/4 x 6 x 1/8"			
15	322 837 R1	SHIM, bevel pinion shaft (medium) (.0149) (2)			

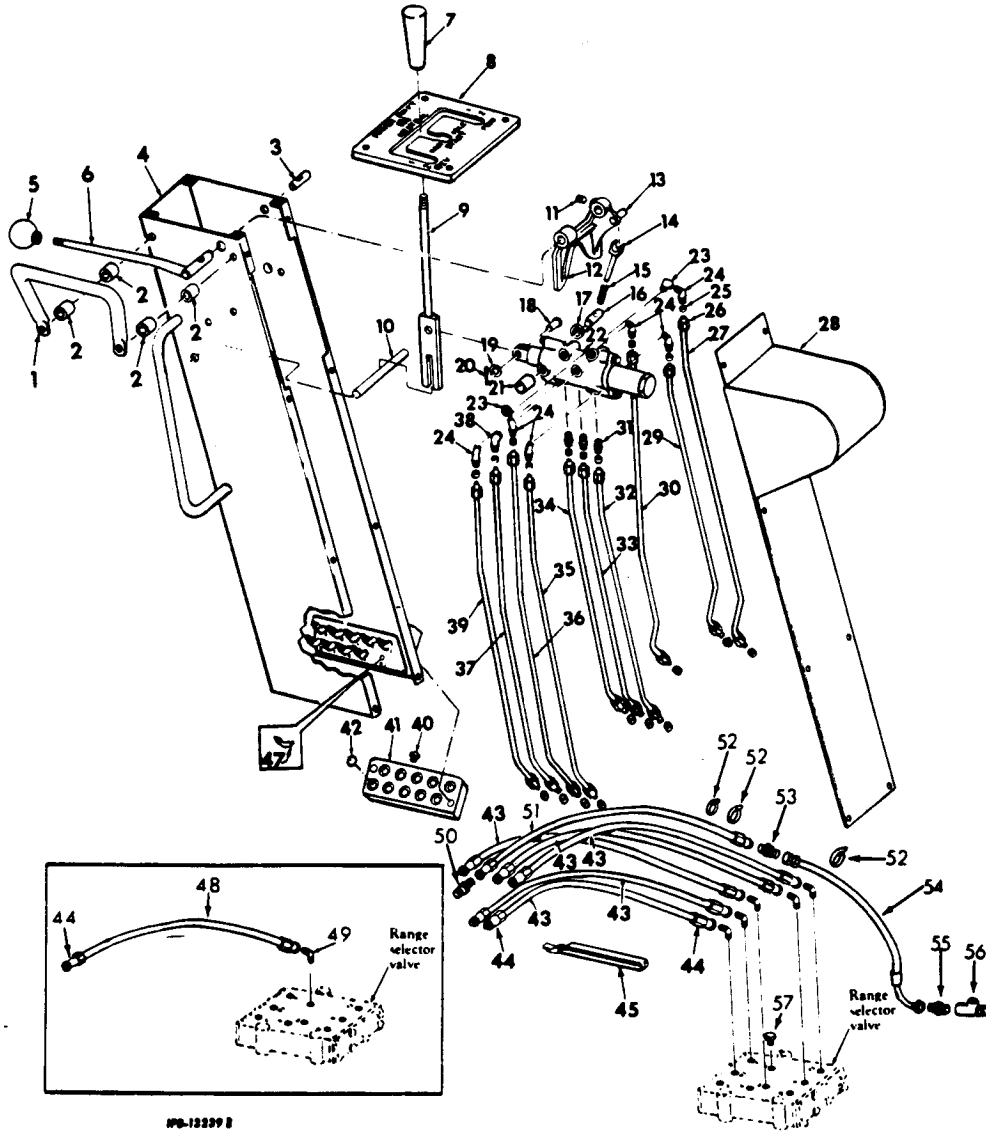
(*) - Also Listed and Illustrated With "Planet Power Drive".

DRIVE TRAIN

MEMORANDA

DRIVE TRAIN

TRANSMISSION CONTROLS (For Power Shift Crawler Tractors) 933 and below



MP-12299 B

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION CONTROLS - Continued (For Power Shift Crawler Tractors) 933 and below			24	615 307 C1	ELBOW, pilot control valve (R1, F1, F2, R2, F and R positions) (6)
		TOWER, hydraulic transmission control (Consists of the following parts - except as noted -	25	915 500 R1	SLEEVE, tube (20)
1	334 664 R1 24 849 R1 115 314	GUARD, pilot control valve lever SCREW, hex-hd cap (2) WASHER, lock (2)	26	915 499 R1	NUT, tube (20)
2	17 527 D	SPACER, lever guard (4)	27	617 095 C11	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, "R1" position on pilot valve to "R1" position on junction block
3	620 048 C1	SHAFT, safety lock	28	700 037 C1 24 839 R1 115 093	COVER, control tower housing SCREW, hex-hd cap (8) WASHER, lock (8)
4	700 033 C3 25 794 R1 103 322	HOUSING w/JUNCTION BLOCK, control tower SCREW, hex-hd cap (4) WASHER, lock (4)	29	617 094 C11	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, "F2" position on pilot valve to "F2" position on junction block
5	307 839 R1	KNOB, safety lock lever	30	616 267 C11	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, "R1" position on pilot valve to "R" position on junction block
6	622 317 C2	LEVER, safety lock	31	606 885 C1	CONNECTOR, pilot control valve (P, M and L positions) (3)
7	347 768 R1	HANDLE, pilot control valve lever	32	617 096 C11	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, "L" position on pilot control valve to "L" position on junction block
8	617 258 C1 133 894	GATE, gear shift lever SCREW, flat-hd machine (4)	33	617 096 C11	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, "M" position on pilot control valve to "M" position on junction block
9	700 032 C1	LEVER, pilot control valve	34	617 096 C11	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, "P" position on pilot control valve to "P" position on junction block
10	617 112 C1 24 839 R1 115 093	PIN, pilot control valve lever pilot SCREW, hex-hd cap WASHER, lock	35	617 098 C11	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, "R2" position on pilot control valve to "R2" position on junction block
11	617 256 C1	SCREW, safety lock lever set (2)	36	617 106 C11	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, "F1" position on pilot control valve to "F1" position on junction block
12	700 034 C1	BRACKET w/PIN, 616 270 C1 safety lock cam	37	617 097 C11	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, "N" position on pilot control valve to "N" position on junction block
13	616 270 C1	PIN, safety lock cam bracket	38	319 615 R1	ELBOW, pilot control valve ("N" position)
14	327 912 R3	GUIDE, safety lock spring	39	616 266 C11	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, "F" position on pilot control valve to "F" position on junction block
15	331 953 R2	SPRING, safety lock			
16	327 910 R2	SHAFT, safety lock pivot			
17	617 068 C1	BUSHING, safety lock pivot			
18	27 128 H	PIN, rod end			
19	52 917 R1	WASHER, pilot control valve lever			
20	103 384	PIN, cotter			
21	617 113 C1	SPACER, pilot control valve (4)			
22		VALVE ASSY, pilot control (for components see list of parts under details of "Pilot Control Valve")			
23	9 409 934	ELBOW, 90° street (pilot control valve) (R1 and F1 positions) (2)			

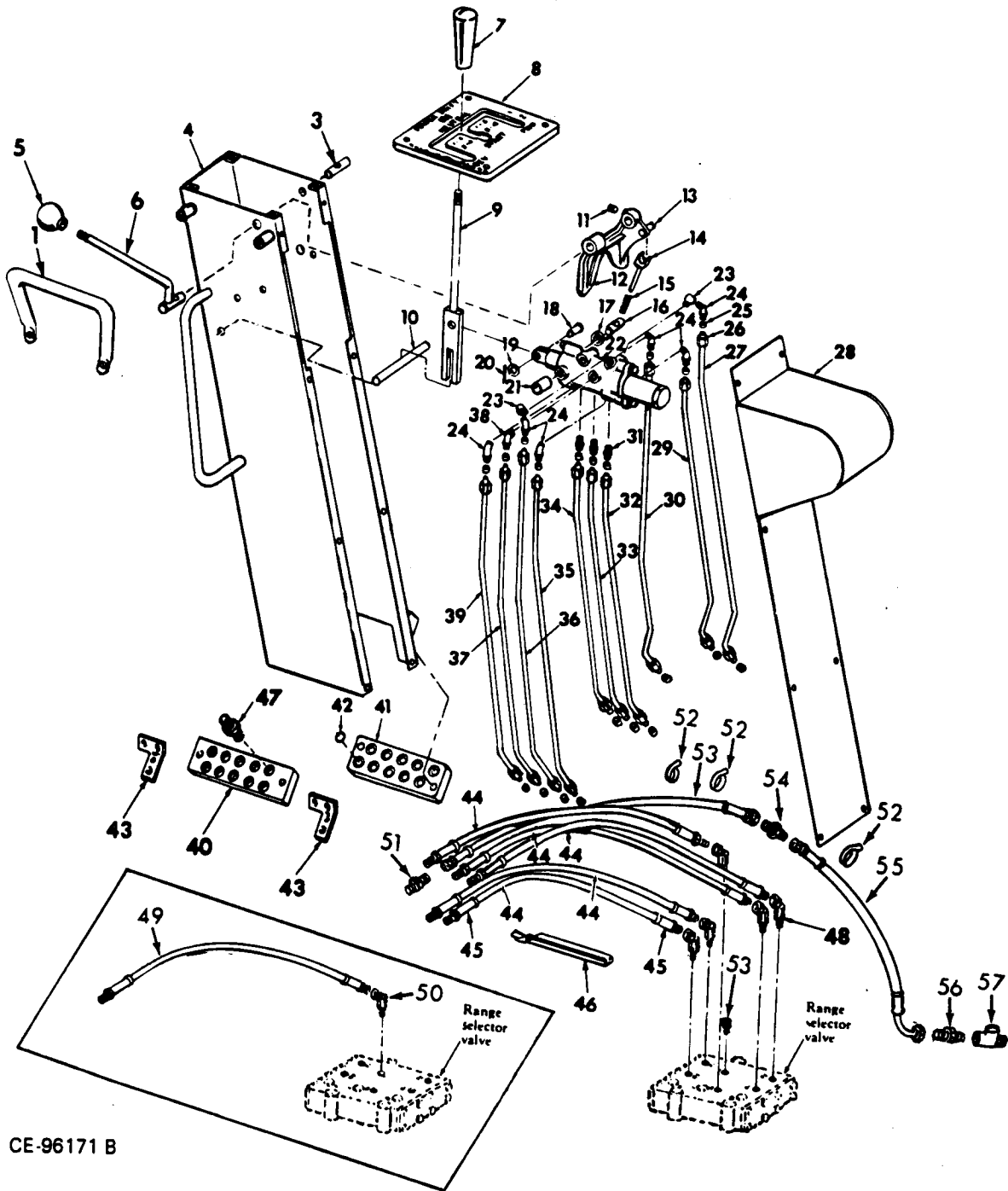
DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION CONTROLS - Continued (For Power Shift Crawler Tractors) 933 and below			55	9 402 708	CONNECTOR (Used w/VALVE, 733 763 C91)
40	444 613	PLUG, 1/8" sq.-hd pipe	56		TEE, main frame filler neck breather (Refer to "TORQUE CONVERTER VENTING AND SUCTION FILTER")
41	703 250 C1	MANIFOLD, transmission selector valve (*)	57	444 613	PLUG, range selector valve "L" port (Used w/VALVE, 733 763 C91)
	140 483 H	SCREW, hex-hd cap (2)			
	115 093	WASHER, lock (2)			
42	355 966 R1	"O" RING, 7/16 x 5/8 x 3/32" (10)		319 706 R1	HOSE, 1/4" ID bulk (x)
43	702 412 C91	HOSE w/two FITTING, 319 756 R91, range selector valve to manifold (HOSE 1/4" ID x 24" long including FITTINGS) (5) HOSE w/o FITTINGS (cut length 1/4" ID x 21-1/4" long cut from bulk HOSE, 319 706 R1)			SWITCH, starting (Listed and illustrated with "Starting Switch")
44	319 756 R91	FITTING, straight swivel female hose (12)			
45	327 273 R91	STRAP, hose (3)			
46	9 402 824	ELBOW, range selector valve (5/16 x 45°) (5)			
47	615 307 C1	ELBOW JUNCTION BLOCK TOWER (10) Power Shift 522 to 933			
48	702 412 C91	HOSE w/two FITTING, 319 756 R91, range selector valve "L" port to manifold "L" port (HOSE 1/4" ID x 24" long including FITTINGS) (Use w/ VALVE, 700 030 C91) HOSE w/o FITTINGS (cut length 1/4" ID x 21-1/4" long cut from bulk HOSE, 319 706 R1)			(x) - Order Cut Length As Required.
49	9 402 824	ELBOW, range selector valve "L" port (Used w/VALVE, 700 030 C91)			
50	9 402 708	CONNECTOR, manifold "L" port (Used w/VALVE, 733 763 C91)			
51	733 473 C1	HOSE w/two FITTINGS, manifold "L" port to rear main frame breather tube (HOSE, 5/16" ID x 14-1/2" long including FITTINGS) (Used w/VALVE, 733 763 C91)			
52	327 273 R91	STRAP (Used w/VALVE, 733 763 C91) (3)			
53	9 402 786	UNION (Used w/VALVE, 733 763 C91)			
54	733 471 C1	HOSE w/two FITTINGS, manifold "L" port to rear main frame breather tube (HOSE, 5/16" ID x 44" long including FITTINGS) (Used w/VALVE, 733 763 C91)			

MEMORANDA

DRIVE TRAIN

TRANSMISSION CONTROLS
 (For Power Shift Crawler Tractors)
 934 to 1949



DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION CONTROLS - Continued (For Power Shift Crawler Tractors) 934 to 1949			23	9 409 934	ELBOW, 1/8 x 90° street (pilot control valve) (R1 and F1 positions) (2)
1	334 664 R1 24 854 R1 24 849 R1 115 314	GUARD, pilot control valve lever SCREW, hex-hd cap (used w/ SPACER, 17 527 D) SCREW, 7/16 x 1" hex-hd cap (not used w/SPACER, 17 527 D) (phc) (Type 8) (2) WASHER, 7/16" lock (phc) (2)	24	615 307 C1	ELBOW, pilot control valve (R1, F1, F2, R2, F and R positions) (6)
2	17 527 D	SPACER, lever guard (4)	25	915 500 R1	SLEEVE, tube (20)
3	620 048 C1	SHAFT, safety lock	26	915 499 R1	NUT, tube (20)
4	620 366 C2 24 849 R1 115 314	HOUSING, control tower SCREW, 7/16 x 1" hex-hd cap (phc) (Type 8) (2) WASHER, 7/16" lock (phc) (2)	27	620 373 C91	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, "R1" position on pilot valve to "R1" position on junction block
5	307 839 R1	KNOB, safety lock lever	28	700 037 C1 24 839 R1 115 093	COVER, control tower housing SCREW, hex-hd cap (8) WASHER, lock (8)
6	622 317 C2	LEVER, safety lock	29	620 371 C91	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, "F2" position on pilot valve to "F2" position on junction block
7	347 768 R1	HANDLE, pilot control valve lever	30	620 385 C91	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, "R" position on pilot valve to "R" position on junction block
8	617 258 C1 133 894	GATE, gear shift lever SCREW, flat-hd machine (4)	31	606 885 C1	CONNECTOR, pilot control valve (P, M and L positions) (3)
9	700 032 C1	LEVER, pilot control valve	32	620 375 C91	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, "L" position on pilot control valve to "L" position on junction block
10	617 112 C1 24 839 R1 115 093	PIN, pilot control valve lever pilot SCREW, hex-hd cap WASHER, lock	33	620 375 C91	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, "M" position on pilot control valve to "M" position on junction block
11	617 256 C1	SCREW, safety lock lever set (2)	34	620 375 C91	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, "P" position on pilot control valve to "P" position on junction block
12	700 034 C1	BRACKET w/PIN, 616 270 C1, safety lock cam	35	620 379 C91	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, "R2" position on pilot control valve to "R2" position on junction block
13	616 270 C1	PIN, safety lock cam bracket	36	620 381 C91	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, "F1" position on pilot control valve to "F1" position on junction block
14	327 912 R3	GUIDE, safety lock spring	37	620 377 C91	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, "N" position on pilot control valve to "N" position on junction block
15	331 953 R2	SPRING, safety lock	38	319 615 R1	ELBOW, pilot control valve ("N" position)
16	327 910 R2	SHAFT, safety lock pivot			
17	617 068 C1	BUSHING, safety lock pivot			
18	27 128 H	PIN, rod end			
19	52 917 R1	WASHER, pilot control valve lever			
20	103 384	PIN, cotter			
21	617 113 C1	SPACER, pilot control valve (4)			
22		VALVE ASSY, pilot control (for components see list of parts under details of "Pilot Control Valve")			

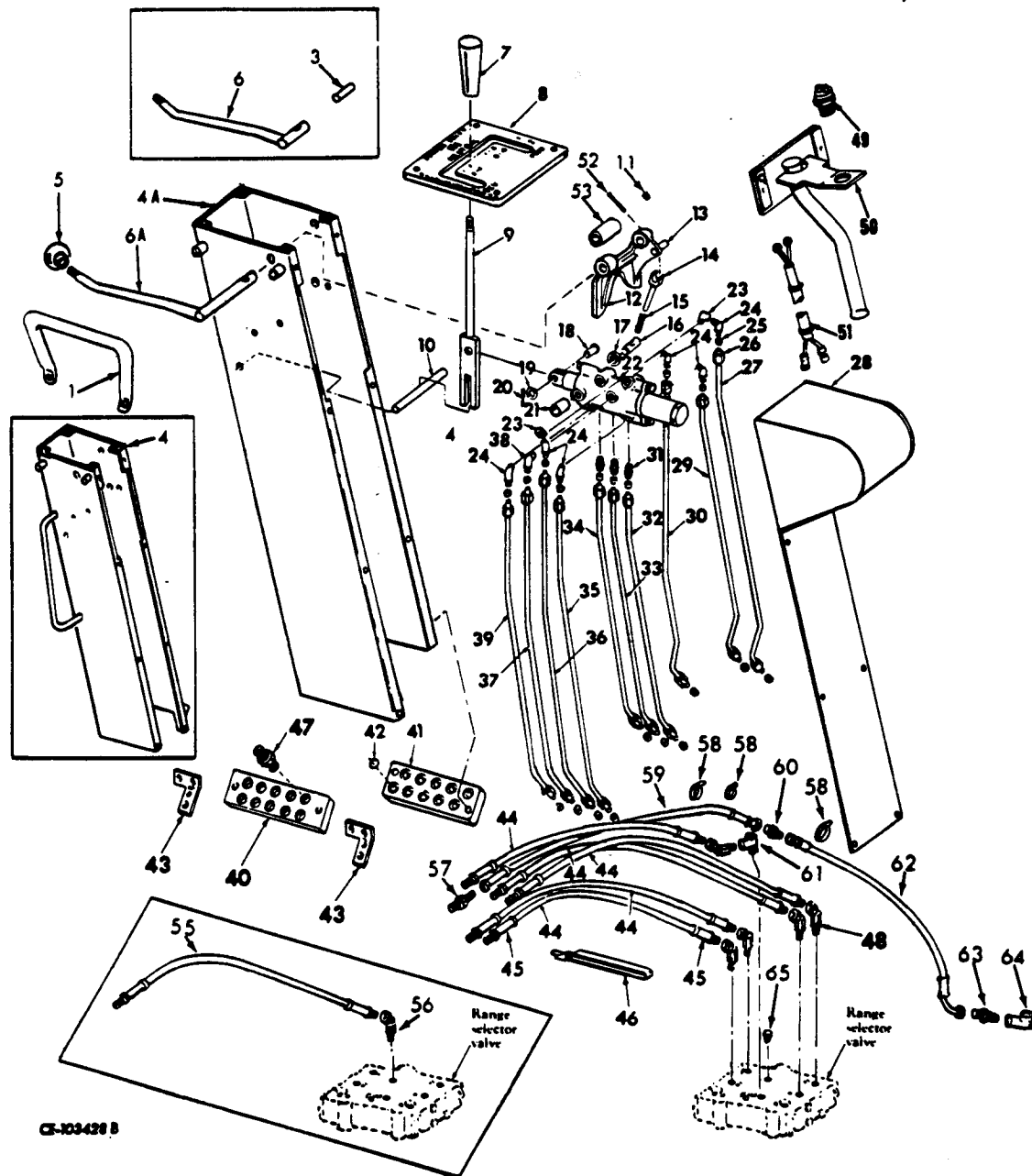
DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION CONTROLS - Continued (For Power Shift Crawler Tractors) 934 to 1949			56	9 402 708	CONNECTOR (Used w/VALVE, 733 763 C91)
39	620 383 C91	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, "F" position on pilot control valve to "F" position on junction block	57		TEE, main frame filler neck breather (Refer to "TORQUE CONVERTER VENTING AND SUCTION FILTER")
40	620 368 C1	MANIFOLD	58	444 613	PLUG, range selector valve "L" port (Used w/VALVE, 733 763 C91)
41	620 369 C1	MANIFOLD, transmission selector valve (*)			SWITCH, starting (Listed and illustrated with "Starting Switch")
	140 483 H	SCREW, hex-hd cap (2)			
	115 093	WASHER, lock (2)			
42	355 966 R1	"O" RING, 7/16 x 5/8 x 3/32 (10)			
43	620 387 C1	BRACKET TOWER MANIFOLD (2)			
	25 222 R1	SCREW, 1/4" hex-hd cap (2)			
	115 109	WASHER, 1/4" lock (2)			
	24 849 R1	SCREW, 7/16" hex-hd cap (2)			
	115 314	WASHER, 7/16" lock (2)			
44	619 681 C1	HOSE w/two FITTINGS, range selector valve to manifold (HOSE, 3/16" ID x 25" long including FITTINGS) (6)			
45		FITTING (order HOSE, 619 681 C1) (*) (12)			
46	327 273 R91	STRAP, hose (3)			
47	606 885 C1	CONNECTOR TOWER MANIFOLD (10)			
48	620 386 C91	ELBOW, range selector valve (6)			
49	619 681 C1	HOSE w/two FITTINGS, range selector valve "L" port to manifold "L" port (HOSE, 3/16" ID x 25" long including FITTINGS) (Used w/VALVE, 700 030 C92)			
50	620 386 C91	ELBOW, range selector "L" port (Used w/VALVE, 700 030 C92)			
51	610 082 C1	CONNECTOR, manifold "L" port (Used w/VALVE, 733 763 C91)			
52	327 273 R91	STRAP (Used w/VALVE, 733 763 C91) (3)			
53	733 473 C1	HOSE w/two FITTINGS, manifold "L" port to rear main frame breather tube (HOSE, 5/16" ID x 14-1/2" long including FITTINGS) (Used w/VALVE, 733 763 C91)			
54	9 402 786	UNION (Used w/VALVE, 733 763 C91)			
55	733 471 C1	HOSE, w/two FITTINGS, manifold "L" port to rear main frame breather tube (HOSE, 5/16" ID x 44" long including FITTINGS) (Used w/VALVE, 733 763 C91)			

MEMORANDA

DRIVE TRAIN

TRANSMISSION CONTROLS (For Power Shift Crawler Tractors) 1950 and up



CF-103428 B

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION CONTROLS - Continued (For Power Shift Crawler Tractors) 1950 and up			19	52 917 R1	WASHER, pilot control valve lever
			20	103 384	PIN, cotter
1	334 664 R1 24 849 R1 115 314	GUARD, pilot control valve lever SCREW, hex-hd cap (2) WASHER, lock (2)	21	617 113 C1	SPACER, pilot control valve (4)
3	620 048 C1	SHAFT, safety lock	22		VALVE ASSY, pilot control (for components see list of parts under details of "Pilot Control Valve")
4	620 366 C2 24 849 R1 115 314	HOUSING, w/assist handle, control tower, 1950 to 6057 BOLT (2) WASHER, lock (2)	23	9 409 934	ELBOW, 1/8 x 90° street (pilot control valve) (R1 and F1 positions) (2)
4A	732 121 C1 24 849 R1 115 314	HOUSING, w/o assist handle, control tower, 6058 and up BOLT (2) WASHER, lock (2)	24	615 307 C1	ELBOW, pilot control valve (R1, F1, F2, R2, F and R positions) (6)
5	307 839 R1	KNOB, safety lock lever	25	915 500 R1	SLEEVE, tube (20)
6	622 317 C2	LEVER, safety lock, 1950 to 6057	26	915 499 R1	NUT, tube (20)
6A	713 209 C1	LEVER, safety lock, 6058 and up	27	620 373 C91	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, "R1" position on pilot valve to "R1" position on junction block
7	347 768 R1	HANDLE, pilot control valve lever	28	650 524 C1 24 839 R1 115 093	COVER, control tower housing (Used w/HOUSING, 620 366 C2) 1950 to 6057 BOLT (6) WASHER, lock (6)
8	650 518 C1 21 438 R1 24 838 R1	GATE, gear shift lever SCREW, 3/4" long pan-hd machine (4) Power Shift 1950 to 2082 SCREW, 1/2" long pan-hd machine (4) Power Shift 2083 and up	29	620 371 C91	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, "F2" position on pilot valve to "F2" position on junction block
9	700 032 C1	LEVER, pilot control valve	30	620 385 C91	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, "R" position on pilot valve to "R" position on junction block
10	617 112 C1 24 839 R1 115 093	PIN, pilot control valve lever pilot SCREW, hex-hd cap WASHER, lock	31	606 885 C1	CONNECTOR, pilot control valve (P, M and L positions) (3)
11	617 256 C1	SCREW, safety lock lever set (2) 1950 to 6057	32	620 375 C91	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, "L" position on pilot control valve to "L" position on junction block
12	709 106 C91	CONTACT w/PIN 616 270 C1, safety lock and switch (Order the following parts - 1950 to 6057 1 CONTACT 709 106 C92 1 DRAWING CZG-2648 1 INSULATOR 713 275 C1 1 LEVER 713 209 C1 1 PIN 364 436 R1	33	620 375 C91	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, "M" position on pilot control valve to "M" position on junction block
12	709 106 C92	CONTACT w/PIN 616 270 C1, safety lock and switch, 6058 and up	34	620 375 C91	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, "P" position on pilot control valve to "P" position on junction block
13	616 270 C1	PIN, safety lock cam bracket	35	620 379 C91	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, "R2" position on pilot control valve to "R2" position on junction block
14	327 912 R3	GUIDE, safety lock spring			
15	331 953 R2	SPRING, safety lock			
16	327 910 R2	SHAFT, safety lock pivot			
17	617 068 C1	BUSHING, safety lock pivot			
18	27 128 H	PIN, rod end			

DRIVE TRAIN

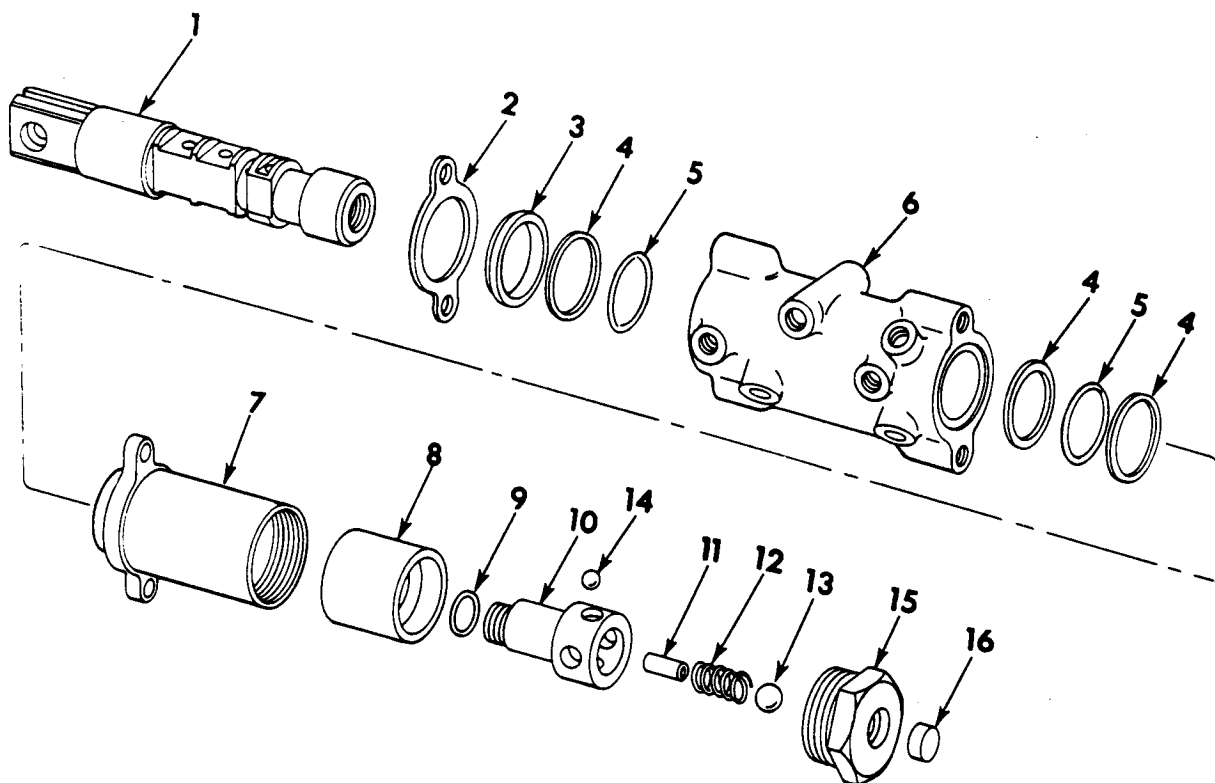
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION CONTROLS - Continued (For Power Shift Crawler Tractors) 1950 and up			52	364 436 R1	PIN, safety lock lever spiral spring 6058 and up
36	620 381 C91	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, "F1" position on pilot control valve to "F1" position on junction block	53	713 275 C1	INSULATOR, safety switch 6058 and up
37	620 377 C91	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, "N" position on pilot control valve to "N" position on junction block	55	619 681 C1	HOSE w/two FITTINGS, range selector valve "L" to manifold "L" (HOSE, 3/16" ID x 25" long including FITTINGS) (Used w/VALVE, 700 030 C92)
38	319 615 R1	ELBOW, pilot control valve ("N" position)	56	620 386 C91	ELBOW, range selector valve "L" (Used w/VALVE, 700 030 C92)
39	620 383 C91	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, "F" position on pilot control valve to "F" position on junction block	57	610 082 C1	CONNECTOR, manifold "L" port (Used w/VALVE, 733 763 C91)
40	620 368 C1	MANIFOLD	58	327 273 R91	STRAP (Used w/VALVE, 733 763 C91) (3)
41	620 369 C1	MANIFOLD, transmission selector valve	59	733 473 C1	HOSE w/two FITTINGS, manifold "L" port to rear main frame breather tube (HOSE, 5/16" ID x 14-1/2" long including FITTINGS) (Used w/VALVE, 733 763 C91)
	140 483 H	SCREW, hex-hd cap (2)	60	9 402 786	UNION (Used w/VALVE, 733 763 C91)
	115 093	WASHER, lock (2)	61		TEE, "M" port on range selector valve (Refer to "PRESSURE TEST CONNECTIONS")
42	355 966 R1	"O" RING, 7/16 x 5/8 x 3/32" (10)	62	733 471 C1	HOSE w/two FITTINGS, manifold "L" port to rear main frame breather tube (HOSE, 5/16" ID x 44" long including FITTINGS) (Used w/VALVE, 733 763 C91)
43	620 387 C1	BRACKET TOWER MANIFOLD (2)	63	9 402 708	CONNECTOR (Used w/VALVE, 733 763 C91)
	25 222 R1	SCREW, 1/4" hex-hd cap (2)	64		TEE, main frame filler neck breather (Refer to "TORQUE CONVERTER VENTING AND SUCTION FILTER")
	115 109	WASHER, 1/4" lock (2)	65	444 613	PLUG, range selector valve "L" port (Used w/VALVE, 733 763 C91)
	24 849 R1	SCREW, 7/16" hex-hd cap (2)		319 705 R1	HOSE, 3/16" ID bulk (x)
	115 314	WASHER, 7/16" lock (2)		668 290 C1	TRIM, door side sheet (Used w/ HOUSING, 620 366 C2) (2)
44	619 681 C1	HOSE w/two FITTINGS, range selector valve to manifold (HOSE, 3/16" ID x 25" long including FITTINGS) (5)			
45		FITTING, (order HOSE, 619 681 C1) (12)			
46	327 273 R91	STRAP, hose (3)			
47	606 885 C1	CONNECTOR TOWER MANIFOLD (10)			
48	620 386 C91	ELBOW, range selector valve (5)			
49	621 771 C91	SWITCH, safety starting			
	177 717 R1	NUT, face (cd-pltd-stl)			
50	650 507 C1	COVER, switch mounting			
	25 496 R1	SCREW, hex-hd cap (2)			
	103 341	WASHER, flat (2)			
	115 093	WASHER, lock (2)			
51		HARNESS, safety starting switch (Listed and Illustrated with "Electric Starting and Lighting")			
	319 705 R1	HOSE, 3/16" ID bulk (x)			

(*) - Not Part of Tower Assembly
(x) - Order Cut Length As Required

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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PILOT CONTROL VALVE (For Power Shift Crawler Tractors)



CE-89097

700 030 C92	VALVE ASSY, pilot control (Order the following parts - 1 CONNECTOR 610 082 C1 1 CONNECTOR 9 402 708 1 CONNECTOR 9 402 786 1 DRAWING CZG-3717 1 ELBOW 26 155 R1 1 ELBOW 606 845 C1 1 HOSE 733 471 C1 1 HOSE 733 473 C1 1 PLUG 444 613 3 STRAP 327 273 R91 1 TEE 263 804 R1 1 TEE 454 145 1 TEE 9 403 098 1 VALVE 733 763 C91)	1	617 007 C1	SPOOL, valve - Continued (Order the following parts - 1 PLUG 444 613 3 STRAP 327 273 R91 1 TEE 263 804 R1 1 TEE 454 145 1 TEE 9 403 098 1 VALVE 733 763 C91)
24 841 R1 115 093	BOLT (4) WASHER, lock (4) (Consists of -			
1	617 007 C1 SPOOL, valve (Order the following parts - 1 CONNECTOR 610 082 C1 1 CONNECTOR 9 402 708 1 CONNECTOR 9 402 786 1 DRAWING CZG-3717 1 ELBOW 26 155 R1 1 ELBOW 606 845 C1 1 HOSE 733 471 C1)	2	617 051 C1 25 653 R1	RETAINER, spool seal BOLT (2)
		3	617 020 C1	RING, spool wiper
		4	617 522 C1	RING, back-up (3)
		5	356 005 R1	"O" RING, 1-1/8 x 1-3/8 x 1/8"(2)
		6		BODY, valve (Not Furnished Separately)
		7	617 046 C1 616 268 C1	HOUSING, detent BOLT (Optional w/SCREW, 939 323 R1)(2)
			939 323 R1	SCREW, (Optional w/BOLT, 616 268 C1) (2)
		8	617 018 C1	SLEEVE, detent
		9	369 384 R1	"O" RING, .414 x .558 x .072

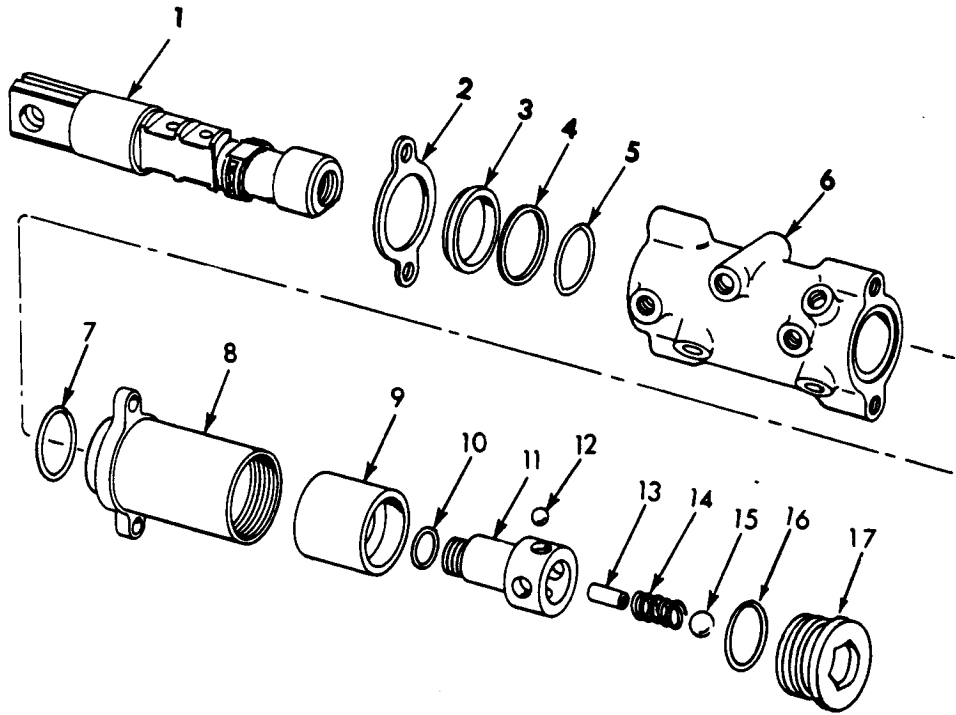
DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
PILOT CONTROL VALVE - Continued (For Power Shift Crawler Tractors)					
10	617 016 C1	EXTENSION, valve spool			
11	17 145 R1	PIN, indexing ball stop			
12	624 355 C1	SPRING, indexing			
13	17 014 R1	BALL, indexing (Replaces 16 014 R1)			
14	17 011 R1	BALL, poppet (Replaces 16 011 R1) (4)			
15	616 269 C11	CAP w/PLUG, 376 429 R1, housing			
16	376 429 R1	PLUG, cap			

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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PILOT CONTROL VALVE (For Power Shift Crawler Tractors)



PL-117257

	733 763 C91	VALVE ASSY, pilot control		8	733 762 C1	HOUSING, detent	
	24 841 R1	BOLT (4)			616 268 C1	BOLT	
	115 093	WASHER, lock (4)			9	617 018 C1	SLEEVE, detent
		(Consists of -			10	369 384 R1	"O" RING, .414 x .558 x .072
1	733 764 C1	SPOOL, valve		10	617 016 C2	EXTENSION, valve spool	
2	617 051 C1	RETAINER, spool seal		11	17 011 R1	BALL, poppet (4)	
	25 955 R1	BOLT (2)		12	17 145 R1	PIN, indexing ball stop	
3	617 020 C1	RING, spool wiper		13	624 355 C1	SPRING, indexing	
4	617 522 C1	RING, back-up		14	17 014 R1	BALL, indexing	
5	356 005 R1	"O" RING, 1-1/8 x 1-3/8 x 1/8"		15	296 247 R1	RING, seal	
6		BODY, valve (Not Furnished Separately)		16	733 766 C1	CAP, housing	
7	343 902 R1	RING, sealing		17			

DRIVE TRAIN

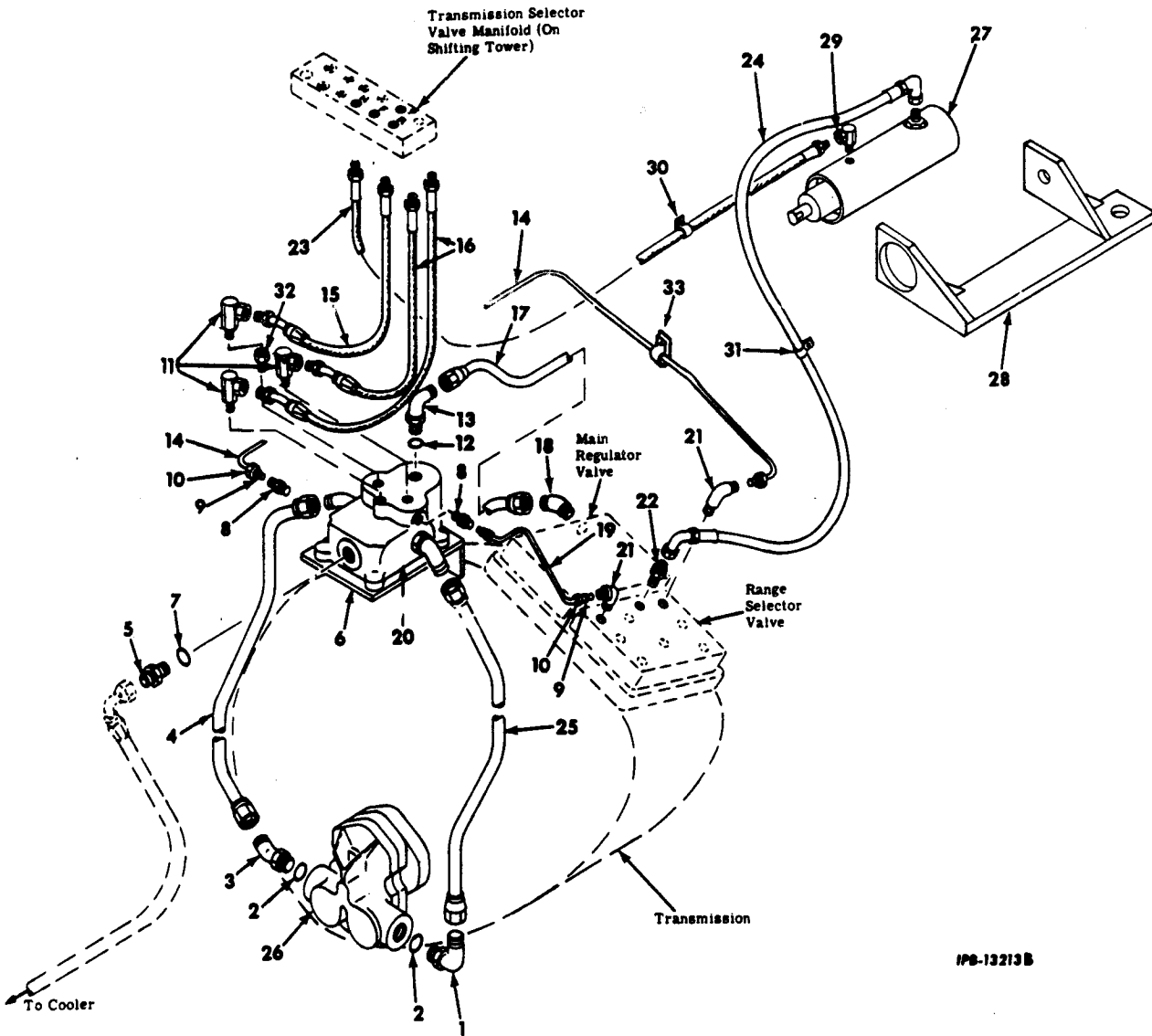
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRANSMISSION SIGNAL PUMP, SHUTTLE VALVE AND HYDRAULIC PIPING

(For Power Shift Crawler Tractors)

676 and up

Also 647 and 653



IPS-13213B

1	9 410 978	ELBOW, signal pump forward port	6	703 357 C1	BRACKET, shuttle valve mounting (use transmission cover flange top bolts)
2	364 885 R1	RING, signal pump, forward and reverse port elbow sealing (2)	7	364 885 R1	RING, shuttle valve inlet adapter sealing
3	9 411 106	ELBOW, signal pump reverse port	8	606 885 C1	CONNECTOR, shuttle valve tube ("F" and "R" ports) (2)
4	703 361 C1	TUBE, signal pump to shuttle valve (RH)	9	915 500 R1	SLEEVE (4)
5	9 410 204	ADAPTER, shuttle valve inlet			

DRIVE TRAIN

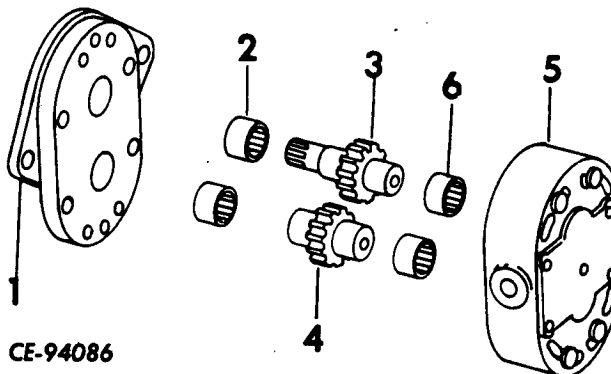
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION SIGNAL PUMP, SHUTTLE VALVE AND HYDRAULIC PIPING - Continued (For Power Shift Crawler Tractors) 676 and up Also 647 and 653			21	319 615 R1	ELBOW, range selector valve ("F" and "R" ports) (2)
			22	610 082 C1	CONNECTOR, range selector valve ("C" port)
10	915 499 R1	NUT (4)	23	289 889 R91	HOSE w/two FITTINGS, brake drain hose (HOSE, 1/4" ID x 44" long including FITTINGS) Power Shift 676 to 933 Also 647 and 653
11	9 402 824	ELBOW, transmission shuttle valve ("F", "P" and "R" ports) (3) Power Shift 676 to 933 Also 647 and 653	23	619 683 C1	HOSE w/two FITTINGS, brake drain (HOSE, 3/16" ID x 44" long including FITTINGS) Power Shift 934 and up
11	307 989 R91	ELBOW TRANSMISSION SHUTTER VALVE ("F", "P" and "R" ports) (3) Power Shift 934 and up	24	702 885 C1	HOSE w/two FITTINGS, range selector valve to signal brake cylinder (HOSE, 5/16" ID x 40" long including FITTINGS)
12	364 885 R1	RING, shuttle valve outlet adapter sealing	25	703 360 C1	TUBE, signal pump to shuttle valve (LH)
13	9 410 978	ADAPTER, shuttle valve outlet	26		PUMP, transmission signal (For components see list of parts under details to transmission signal pump)
14	616 440 C11	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, shuttle valve to "F" port on range selector valve	345 606 R1		GASKET, transmission signal pump
15	702 434 C2	HOSE w/FITTINGS, shuttle valve to "F" port on manifold Power Shift 676 to 933 Also 647 and 653	27		CYLINDER ASSY, signal brake (For components see list of parts under details of "SIGNAL BRAKE CYLINDER")
15	619 685 C1	HOSE w/two FITTINGS, shuttle valve to "F" port on manifold (HOSE, 3/16" ID x 36" long including FITTINGS) Power Shift 934 and up	28	700 039 C1 604 906 C1	SUPPORT, signal brake cylinder SCREW, NF 3-1/2" long hex-hd cap
16	702 435 C2	HOSE w/FITTINGS, shuttle valve to "P" and "R" port on manifold (HOSE, 1/4" ID x 35" long including FITTINGS) (2) Power Shift 676 to 933 Also 647 and 653	610 163 C1		SCREW, 1-5/8" long hex-hd cap
16	619 685 C1	HOSE w/two FITTINGS, shuttle valve to "P" and "R" ports on manifold (HOSE, 3/16" ID x 36" long including FITTINGS) (2) Power Shift 934 and up	29	307 989 R1	ELBOW, signal brake cylinder drain Power Shift 676 to 933 Also 647 and 653
17	703 359 C1	TUBE, shuttle valve outlet	29	307 989 R91	ELBOW, signal brake cylinder drain Power Shift 934 and up
18	9 402 827	ELBOW, shuttle valve outlet tube (at main regulator)	30	311 500 R1	CLAMP, signal brake hose (on hydraulic steering control valve)
19	616 439 C11	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, shuttle valve to "R" port on range selector valve	31	315 594 R1	CLAMP, signal brake hose (on rear main frame)
20		VALVE, transmission shuttle (For components see list of parts under details of "TRANSMISSION SHUTTLE VALVE")	32	443 998	ADAPTER, transmission shuttle valve "F" port Power Shift 934 and up
			33	447 264 R91	CLIP, shuttle to range selector "F" tube (on regulator valve bolt)
				608 178 C1	ANGLE, signal brake hose clamp (on pivot brake housings)
				315 594 R1	CLAMP, signal brake hose (on clamp bracket)

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION SIGNAL PUMP, SHUTTLE VALVE AND HYDRAULIC PIPING - Continued		
(For Power Shift Crawler Tractors)		
676 and up		
Also 647 and 653		

311 500 R1	CLAMP, signal brake hose (on clamp bracket)
24 839 R1	SCREW, hex-hd cap
25 522 R1	NUT
115 093	WASHER, lock

REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION SIGNAL PUMP		
(For Power Shift Crawler Tractors)		
676 and up		
Also 647 and 653		
(Webster)		

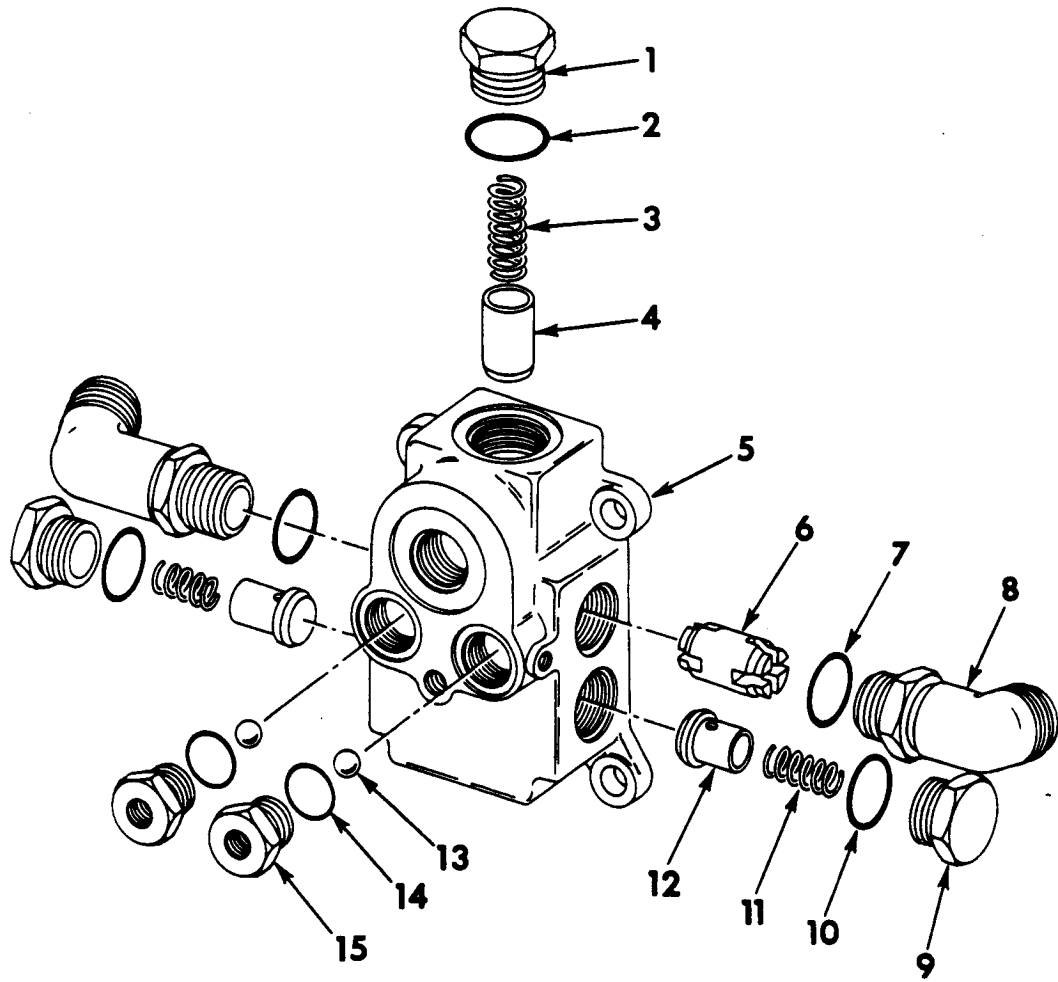


	702 773 C91	PUMP, transmission signal
	101 896 R1	SCREW, hex-hd cap (2)
	115 093	WASHER, lock (2)
		(Consists of the following -
1	634 796 C91	BODY ASSY w/two BEARING (Replaces 625 437 C91)
	138 243	SCREW, 3/8" hex soc-hd (4)
	21 040 R1	SCREW, 5/16" hex soc-hd (4)
	21 872 R1	WASHER, 13/32 x 5/8" x 16 ga. (4)
	131 402 H	WASHER, 11/32 x 9/16" x 16 ga. (4)
2		BEARING, sleeve (Order BODY, 634 796 C91) (2)
3	625 439 C11	SHAFT AND GEAR ASSY, drive
4	625 440 C1	SHAFT AND GEAR ASSY, idler
5	625 441 C91	BODY ASSY w/two BEARING
6		BEARING, sleeve (Order BODY, 625 441 C91)
	343 691 R1	PIN, dowel

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRANSMISSION SHUTTLE VALVE
 (For Power Shift Crawler Tractors)
 676 and up
 Also 647 and 653



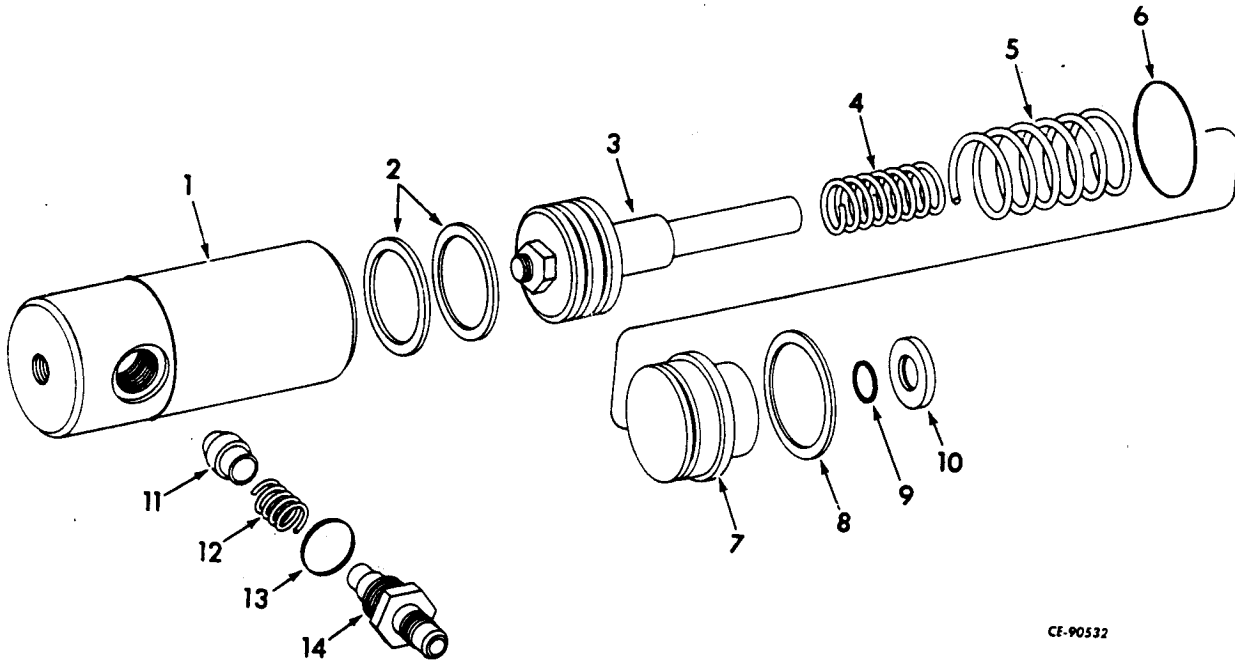
CE-90640

	703 356 C91	VALVE, transmission shuttle (Consists of the following - SCREW, hex-hd cap (4) WASHER, lock (4)		7	364 885 R1 RING, spool retainer elbow sealing (2)
	24 840 R1	SCREW, hex-hd cap (4)		8	9 411 106 ELBOW - 45°, spool retainer (2)
	115 093	WASHER, lock (4)		9	616 432 C1 CAP, check valve (2)
1	619 429 C1	CAP, relief valve		10	364 885 R1 RING, check valve cap sealing (2)
2	368 269 R1	RING, relief valve cap sealing		11	616 431 C1 SPRING, check valve (2)
3	616 428 C1	SPRING, relief valve		12	616 430 C1 VALVE, check (2)
4	616 427 C1	VALVE, relief		13	17 011 R1 VALVE, shuttle check (Replaces 16 011 R1) (2)
5		HOUSING (Not Furnished Separately)		14	570 828 R1 RING, shuttle check valve cap sealing (2)
6		SPOOL, shuttle (Not Furnished Separately)		15	616 433 C1 CAP, shuttle check valve (2)

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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SIGNAL BRAKE CYLINDER
 (For Power Shift Crawler Tractors)
 676 and up
 Also 647 and 653



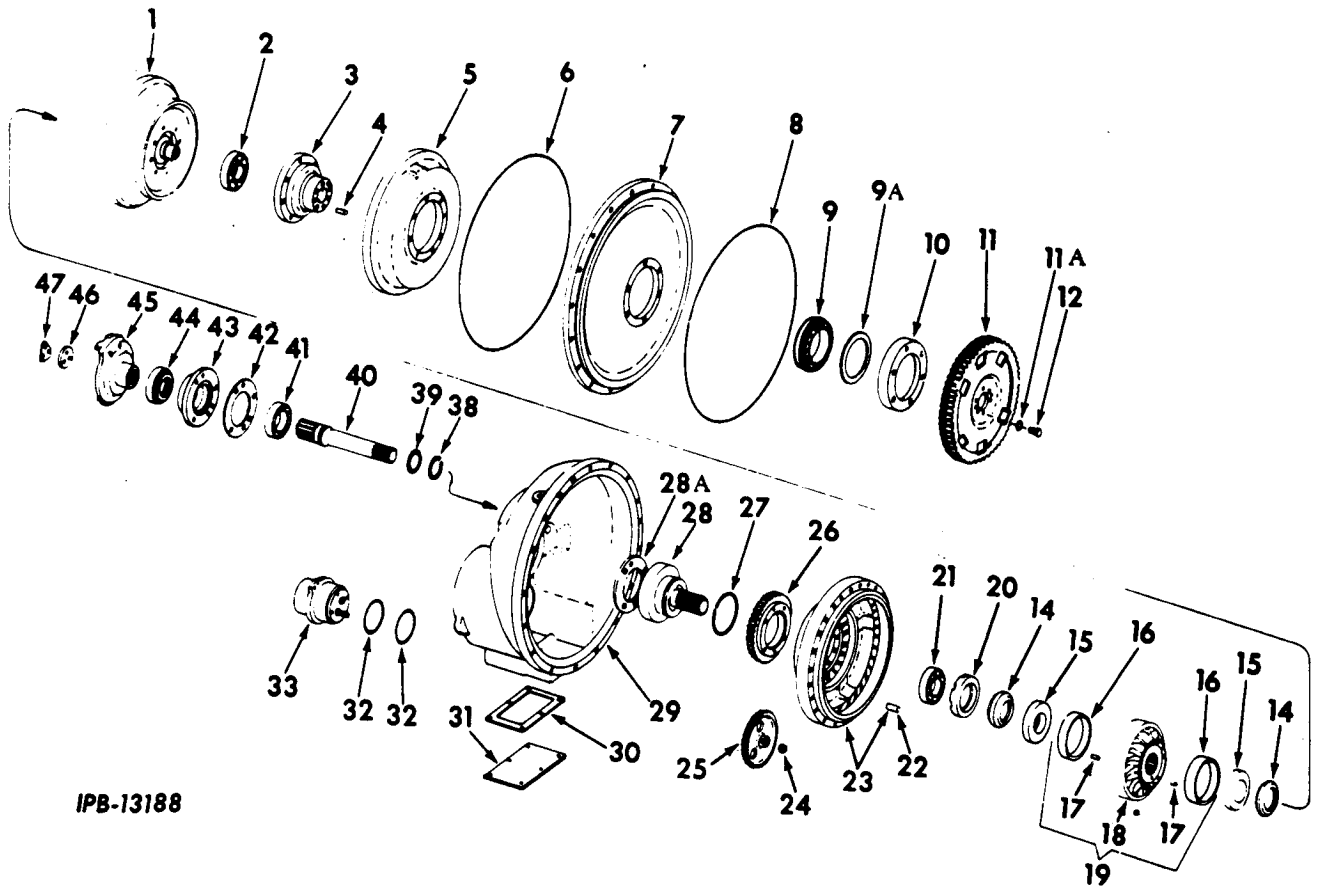
CE-90532

	615 292 C91	CYLINDER ASSY, signal brake (Consists of the following parts -		6	252 483 R1 "O" RING, 1-1/4 x 1-1/2 x 1/8"
1	702 911 C1	CYLINDER and END CAP		7	702 910 C91 HEAD, cylinder
2	619 395 C1	RING, piston (2)		8	194 298 R1 RING, snap
3	702 912 C91	PISTON w/two RING, 619 395 C1 and ROD		9	350 429 R1 "O" RING, 5/8 x 13/16 x 3/32"
4	619 410 C1	SPRING		10	619 412 C1 SEAL, rod
5	619 409 C1	SPRING		11	619 407 C1 POPPET
	272 121	NUT, NF jam		12	619 408 C1 SPRING
	25 770 R1	SCREW, 3/8NF hex-hd cap		13	619 411 C1 "O" RING
	25 801 R1	SCREW, 7/16"NF hex-hd cap		14	619 406 C1 FITTING
	115 093	WASHER, lock			

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TORQUE CONVERTER AND RELATED PARTS
 (For Power Shift Crawler Tractors)
 1317 and below



IPB-13188

<table border="0" style="width: 100%;"> <tr> <td style="width: 5%;"></td> <td style="width: 15%;">702 002 C93</td> <td>CONVERTER ASSEMBLY, torque (Order CONVERTER, 627 448 C92)</td> <td style="width: 5%;"></td> <td style="width: 15%;">5</td> <td>HOUSING, voncverter drive (+)</td> </tr> <tr> <td></td> <td>24 865 R1</td> <td>SCREW, hex-hd cap (16)</td> <td></td> <td>9 409 079</td> <td>BOLT, 3/8 x 7/8" (16)</td> </tr> <tr> <td></td> <td>103 323</td> <td>WASHER, lock (16)</td> <td></td> <td>20 266 R1</td> <td>SCREW (32)</td> </tr> <tr> <td></td> <td></td> <td>(Consists of -</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>338 603 R91</td> <td>TURBINE (Order the following parts -</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>1 CONE 62 445 D</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>1 CUP 62 444 D</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>1 HOUSING 716 980 C1</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>1 PIN 627 630 C1</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>1 TURBINE 716 981 C91)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>ST 269 A</td> <td>BEARING, ball</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>606 203 C93</td> <td>HUB w/PIN, 19 875 R1, input drive (Part of CONVERTER, 702 002 C92) (+)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>625 757 C91</td> <td>HUB, input drive (Part of CONVERTER, 702 002 C93) (+)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>716 981 C91</td> <td>TURBINE</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>19 875 R1</td> <td>PIN, dowel (Part of HUB, 606 203 C93)</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>6</td> <td>319 610 R1 RING, input housing seal</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>7</td> <td>338 607 R1 HOUSING, input 9 409 027 BOLT (3)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>8</td> <td>319 610 R1 RING, converter housing sealing (*)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>9</td> <td>338 749 R91 BEARING, input drive hub</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>9A</td> <td>338 964 R1 SHIM, bearing (x)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>10</td> <td>324 423 R1 RETAINER, input drive hub bearing 9 409 216 BOLT (6)</td> </tr> </table>		702 002 C93	CONVERTER ASSEMBLY, torque (Order CONVERTER, 627 448 C92)		5	HOUSING, voncverter drive (+)		24 865 R1	SCREW, hex-hd cap (16)		9 409 079	BOLT, 3/8 x 7/8" (16)		103 323	WASHER, lock (16)		20 266 R1	SCREW (32)			(Consists of -				1	338 603 R91	TURBINE (Order the following parts -						1 CONE 62 445 D						1 CUP 62 444 D						1 HOUSING 716 980 C1						1 PIN 627 630 C1						1 TURBINE 716 981 C91)				2	ST 269 A	BEARING, ball				3	606 203 C93	HUB w/PIN, 19 875 R1, input drive (Part of CONVERTER, 702 002 C92) (+)				3	625 757 C91	HUB, input drive (Part of CONVERTER, 702 002 C93) (+)				3	716 981 C91	TURBINE				4	19 875 R1	PIN, dowel (Part of HUB, 606 203 C93)								6	319 610 R1 RING, input housing seal					7	338 607 R1 HOUSING, input 9 409 027 BOLT (3)					8	319 610 R1 RING, converter housing sealing (*)					9	338 749 R91 BEARING, input drive hub					9A	338 964 R1 SHIM, bearing (x)					10	324 423 R1 RETAINER, input drive hub bearing 9 409 216 BOLT (6)
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(+) - Order KIT, 716 983 C91.

(*) - Not Part of Torque Converter Assembly.

(x) - As Required.

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TORQUE CONVERTER AND RELATED PARTS - Continued (For Power Shift Crawler Tractors) 1317 and below			38	324 408 R1	RING, seal (piston hook type) (Order RING, 625 946 C2)
			38	625 946 C2	RING, seal (step joint type)
11		GEAR, converter drive (+)	39	338 750 R1	RING, snap
11A	606 205 C1	WASHER (7)	40	338 613 R1	SHAFT, turbine output
12	606 204 C1	BOLT (Part of CONVERTER, 702 002 C92) (8)	41	ST-269A	BEARING, output shaft
12	24 471 R1	BOLT (Part of CONVERTER, 702 002 C93) (8)	42	324 410 R1	GASKET, bearing retainer
14	338 748 R91	BEARING, thrust (2)	43	610 120 C1	RETAINER, bearing
15	338 602 R1	RACE, thrust (2)		24 842 R1	SCREW, hex-hd cap (6)
16		SLEEVE, stator (order STATOR ASSY, 338 601 R91) (2)		103 321	WASHER, lock (6)
17		PIN, stator spring (order STATOR ASSY, 338 601 R91) (2)	44	619 621 C91	OIL SEAL
18		STATOR (order STATOR ASSY, 338 601 R91)	45	617 937 C1	YOKE
19	338 601 R92	STATOR w/two PIN	46	324 412 R1	WASHER, flange retainer
20	338 600 R1	SPACER, converter	47	613 522 C1	PLATE, locking
21	ST-574	BEARING, ball		25 492 R1	SCREW, hex-hd cap (3)
22	357 557 R1	PIN, spring		369 908 R1	"O" RING, flywheel housing scavenging hole (13/16 x 1x3/32") (*)
23	338 599 R91	IMPELLER w/PIN, 357 557 R1		324 237 R1	PLUG, pipe
24	19 263 R1	NUT, drive gear		716 983 C91	KIT, drive input (Consists of -
25	603 643 C1	GEAR, pump drive		6 BOLT	20 647 R1
26	338 867 R1	GEAR, accessory drive		8 BOLT	24 471 R1
	26 312 R1	BOLT (6)		1 CONE	62445D
	631 944 C1	WASHER (6)		1 CUP	62444D
27	324 406 R2	RING, ground sleeve seal		1 GASKET	338 609 R3
28	338 598 R1	HUB, ground sleeve		1 GEAR	627 631 C1
28A	324 410 R1	GASKET, hub sleeve		1 HOUSING	716 980 C1
29	619 051 C1	HOUSING, converter		1 HOUSING	627 628 C1
30	338 609 R3	GASKET, pump inspection cover		1 PIN	627 630 C1
31	338 610 R1	COVER, pump inspection		1 SEAL RING	319 610 R1
	24 839 R1	SCREW, hex-hd cap (6)		1 TURBINE	716 981 C91
	103 321	WASHER, lock (6)		6 WASHER	103 319
32	336 970 R1	"O" RING, input pump (4-3/8 x 4-5/8 x 1/8") (2)		8 WASHER	606 205 C1
33	603 645 C91	PUMP, input		1 WEAR PLATE	627 629 C1)
	25 497 R1	SCREW, hex-hd cap (2)	637 467 C91		KIT, seal repair (For PUMP, 603 645 C91) (Consists of -
	103 321	WASHER, lock (2)			2 s "O" RING SEAL 1 s PUMP GASKET)

(+) - Order KIT, 716 983 C91.

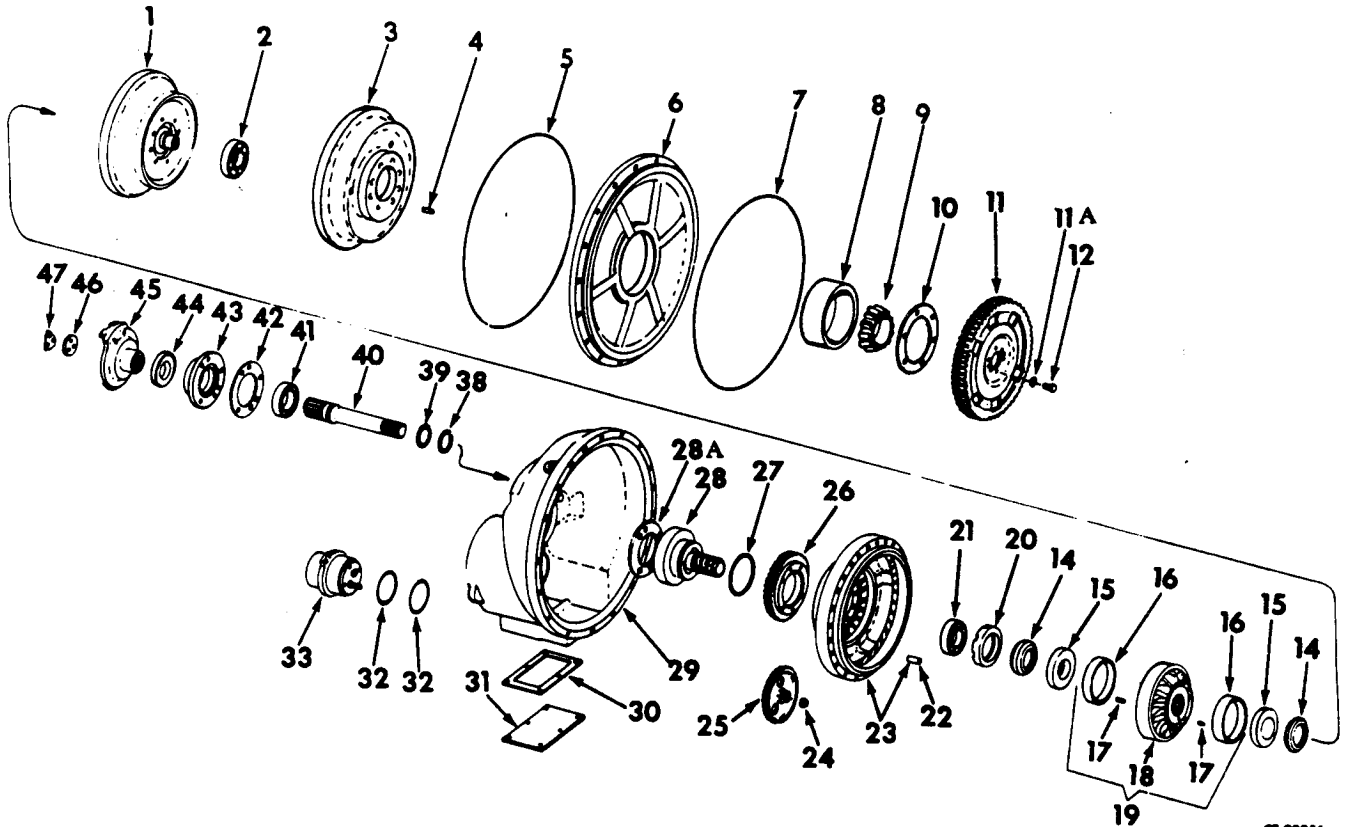
(*) - Not Part of Torque Converter Assembly.

(s) - Not Furnished Separately

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TORQUE CONVERTER AND RELATED PARTS
(For Power Shift Crawler Tractors)
1318 and up



	627 448 C92	CONVERTER ASSEMBLY, torque (will work for CONVERTER, 702 002 C93)		5 319 610 R1	RING, input housing seal (+)
	884 387 R1	BOLT (16)		6 627 628 C1	HOUSING, input (+)
	25 536 R1	WASHER, hardened (16) (Consists of -		9 409 027	BOLT, hex lock (3)
1	338 603 R91	TURBINE (Torque Converter 6102 and below) (Order the following parts -		7 319 610 R1	RING, converter housing sealing (*)
		1 CONE 62 445 D		8 62 445 D	CONE (+)
		1 CUP 62 444 D		9 62 444 D	CUP (+)
		1 HOUSING 716 980 C1		10 627 629 C1	PLATE, wear (+)
		1 PIN 627 630 C1		179 791	SCREW, hex-hd cap (6)
		1 TURBINE 716 981 C91)		103 319	WASHER, lock (6)
1	716 981 C91	TURBINE (Torque Converter 6103 and up) (+)		11 627 631 C1	GEAR, converter drive (+)
2	ST 269 A	BEARING, ball		11A 606 205 C1	WASHER (8)
3	627 627 C1	HOUSING, converter drive (Order one HOUSING, 716 980 C1 and one TURBINE, 716 981 C91) (Torque Converter 6102 and below)		12 28 364 R1	BOLT (8)
		HOUSING, converter drive (Torque Converter 6103 and up) (+)		14 338 748 R91	BEARING, thrust (2)
	9 409 079	BOLT, 3/8" hex lock (16)		15 338 602 R1	RACE, thrust (2)
	26 318 R1	BOLT, 1/2" (32)		16	SLEEVE, stator (Order STATOR ASSY, 338 601 R91) (2)
	637 993 C1	WASHER, flat (32)			(*) - Not Part of Torque Converter Assembly.
4	627 630 C1	PIN, spring (+)			(+) - Also Part of KIT, 716 983 C91

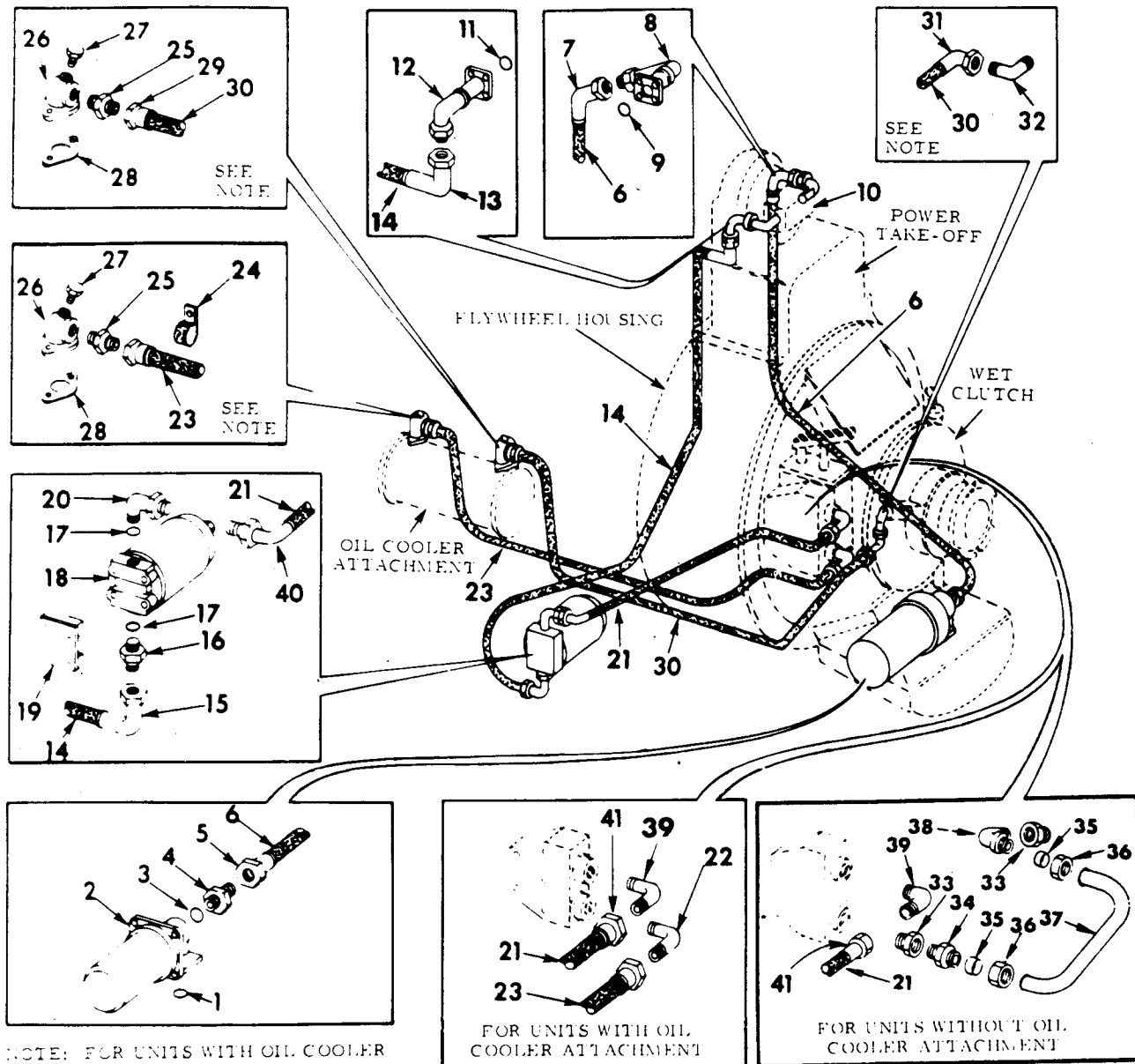
DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TORQUE CONVERTER AND RELATED PARTS -			39	338 750 R1	RING, snap
Continued			40	338 613 R1	SHAFT, turbine output
(For Power Shift Crawler Tractors)			41	ST-269A	BEARING, output shaft
1318 and up			42	324 410 R1	GASKET, bearing retainer
17		PIN, stator spring (order STATOR ASSY, 338 601 R91) (2)	43	610 120 C1 179 845 103 321	RETAINER, bearing SCREW, hex-hd cap (6) WASHER, lock (6)
18		STATOR (order STATOR ASSY, 338 601 R91)	44	619 621 C91	OIL SEAL
19	338 601 R92	STATOR w/two SLEEVE, and two PIN	45	617 937 C1	FLANGE, output
20	338 600 R1	SPACER, converter	46	324 412 R1	WASHER, flange retainer
21	ST-574	BEARING, ball	47	613 522 C1 179 817	PLATE, locking SCREW, hex-hd cap (3)
22	357 557 R1	PIN, spring		369 908 R1	"O" RING, flywheel housing scavenging hole (13/16 x 1 x 3/32") (*)
23	338 599 R91	IMPELLER w/PIN, 357 557 R1		324 237 R1	PLUG, pipe
24	19 263 R1	NUT, drive gear		604 903 C91	PACKAGE, torque converter gasket (Consists of the following -
25	603 643 C1	GEAR, pump drive		309 559 R1	GASKET, cooler inlet manifold
26	338 867 R1 26 312 R1 631 944 C1	GEAR, accessory drive BOLT, hex lock (6) WASHER (6)		309 559 R1	GASKET, cooler outlet manifold
27	324 406 R2	RING, ground sleeve seal		324 410 R1	GASKET, bearing retainer (2)
28	338 598 R1	HUB, ground sleeve		338 609 R1	GASKET, pump inspection cover
28A	324 410 R1	GASKET, hub sleeve		290 987 R1	RING, sealing (2)
29	619 051 C1	HOUSING, converter		296 247 R1	RING, sealing (2)
30	338 609 R2	GASKET, pump inspection cover (+)		301 314 R1	RING, suction filter sealing
31	338 610 R1	COVER, pump inspection SCREW, 3/8 x 3/4" hex-hd cap (6) WASHER, 3/8" lock (6)		307 915 R1	RING, sealing (2)
32	336 970 R1	"O" RING, input pump (4-3/8 x 4-5/8 x 1/8") (2)		319 610 R1	RING, converter housing sealing
33	603 645 C91 179 837 103 321	PUMP, input SCREW, hex-hd cap (2) WASHER, lock (2)		319 610 R1	RING, converter drive housing sealing
38	324 408 R1	RING, seal (piston hook type) (Order RING, 625 946 C2)		324 406 R2	RING, hub sealing
38	625 946 C2 716 983 C91	RING, seal (step joint type) KIT, drive input (Consists of -		324 408 R1	RING, turbo output shaft sealing
		8 BOLT 28 364 R1		336 970 R1	RING, sealing (2)
		6 BOLT 20 647 R1		369 908 R1	RING, flywheel housing scavenging hole)
		1 CONE 62 445 D			
		1 CUP 62 444 D		637 467 C91	KIT, seal repair (for PUMP, 603 645 C91)
		1 GASKET 338 609 R3			(Consists of -
		1 GEAR 627 631 C1			2 s "O" RING SEAL
		1 HOUSING 627 628 C1			1 s PUMP GASKET)
		1 HOUSING 716 980 C1			(*) - Not Part of Torque Converter Assembly.
		1 PIN 627 630 C1			(+) - Also Part of KIT, 716 983 C91
		1 SEAL RING 319 610 R1			(s) - Not Furnished Separately.
		1 TURBINE 716 981 C91			
		6 WASHER 103 319			
		8 WASHER 606 205 C1			
		1 WEAR PLATE 627 629 C1)			

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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ENGINE CLUTCH PIPING AND RELATED PARTS (For Manual Shift Crawler Tractors) 1916 and below



NOTE: FOR UNITS WITH OIL COOLER ATTACHMENT

CE-92716

1	707 253 R1	"O" RING, suction filter (1-1/2 x 1-3/4 x 1/8")	4	9 410 208	UNION, suction filter outlet
2		FILTER, wet clutch oil supply suction (Refer to "Wet Clutch Oil Supply Suction Filter")	5		FITTING (order HOSE, 619 657 C1)
3	307 915 R1	"O" RING, outlet union (1.475 x 1.711 x .118)	6	619 657 C1	HOSE w/FITTINGS, suction filter to charge pump inlet (HOSE, 1-1/4" ID x 48" long including FITTINGS)

DRIVE TRAIN

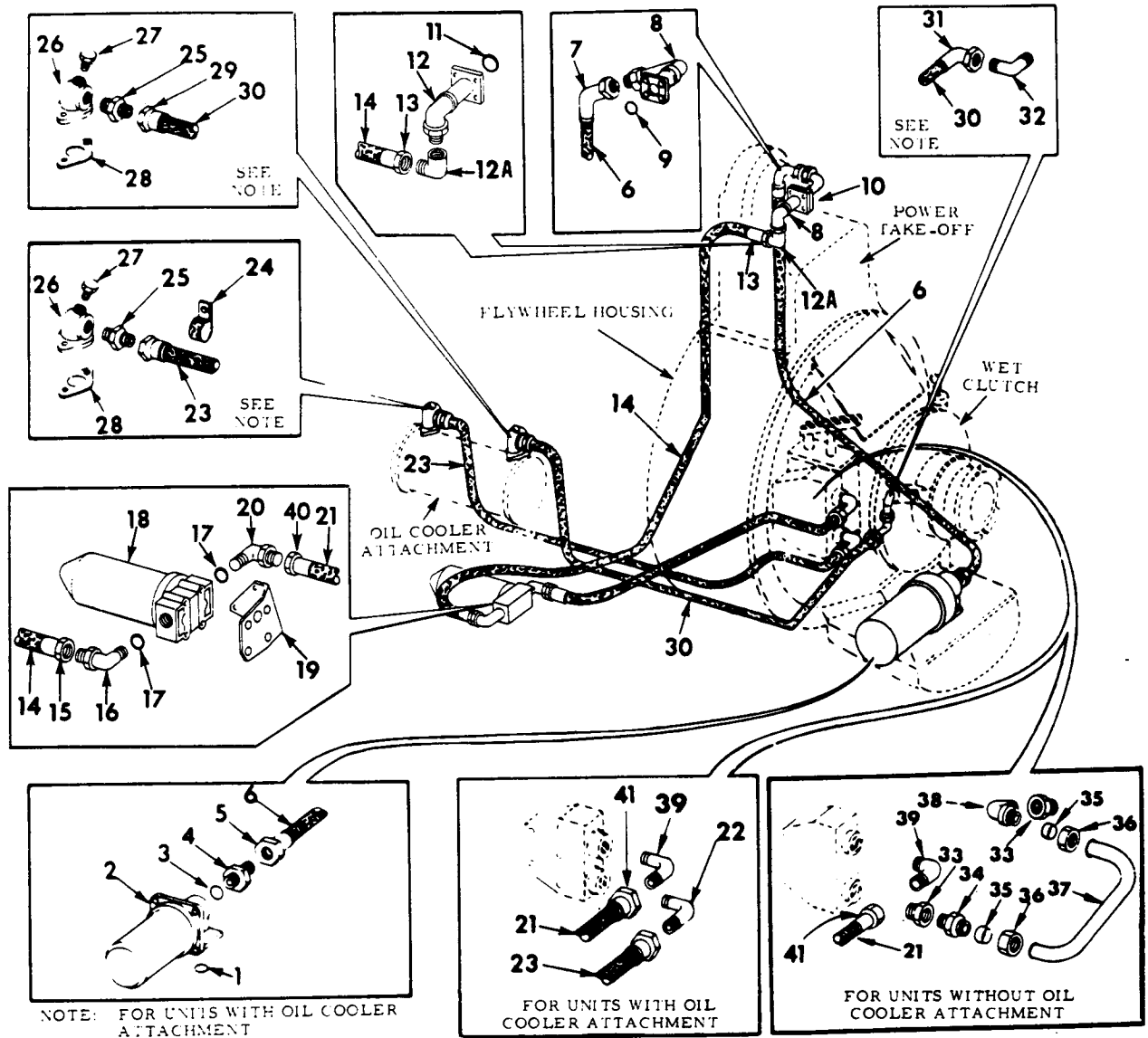
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ENGINE CLUTCH PIPING AND RELATED PARTS - Continued (For Manual Shift Crawler Tractors) 1917 and up			26	331 894 R21	MANIFOLD w/PLUG, 444 632, oil cooler (2) (†)
				25 496 R1	SCREW, 3/8 x 7/8" hex-hd cap (2 for inlet)
				24 840 R1	SCREW, 3/8 x 1" hex-hd cap (2 for outlet)
				115 093	WASHER, 3/8" lock (phc)
7		FITTING (order HOSE, 619 657 C1)	27	444 632	PLUG, oil cooler manifold (2) (†)
8	703 433 C1 870 325 R1 115 314	MANIFOLD, charge pump inlet SCREW, hex-hd cap (4) WASHER, lock (4)	28	309 559 R1	GASKET, oil cooler manifold (2) (†)
9	707 253 R1	"O" RING, inlet manifold (1-1/2 x 1-3/4 x 1/8")	29		FITTING (order HOSE, 702 681 C1)
10		PUMP ASSY, wet clutch oil supply (Refer to "Wet Clutch Oil Supply Pump")	30	702 681 C1	HOSE w/FITTINGS, cooler outlet manifold to clutch (1" ID x 44" long including FITTINGS) (†)
11	708 560 R1	"O" RING, outlet manifold (1-5/16 x 1-9/16 x 1/8")	31		FITTING (order HOSE, 702 681 C1)
12	703 510 C1 140 483 H 115 093	MANIFOLD, charge pump outlet SCREW, hex-hd cap (4) WASHER, lock (4)	32	9 402 869	ELBOW, cooler outlet manifold to clutch hose (at clutch housing) (†)
13		FITTING (order HOSE, 619 659 C1)	33	144 056	BUSHING, 1 x 3/4" Reducer (2)
14	619 659 C1	HOSE w/two FITTINGS, pump outlet manifold to pressure filter (HOSE, 1" ID x 26" long including FITTINGS)	34	610 638 C1	CONNECTOR, booster outlet
15		FITTING (order HOSE, 619 659 C1)	35	135 366 H1	SLEEVE, tube (2)
16	9 410 207	CONNECTOR, pressure filter inlet	36	610 639 C1	NUT, tube (2)
17	296 247 R1	"O" RING, pressure filter inlet and outlet (1.171 x 1.403 x .116") (2)	37	620 263 C91	TUBE w/two SLEEVE, 135 366 H1 and two NUT, 610 639 C1, booster to clutch
18		FILTER ASSEMBLY, wet clutch oil supply pressure (Refer to "Wet Clutch Oil Supply Pressure Filter")	38	619 472 C1	ELBOW, clutch housing inlet
19	703 400 C1 24 840 R1 115 093	BRACKET, wet clutch oil supply pressure filter mounting SCREW, hex-hd cap (2) WASHER, lock (2)	39	9 402 869	ELBOW, clutch pressure booster
20	9 410 981	ELBOW, 1" x 90° pressure filter outlet	40		FITTING (order HOSE, 619 658 C1)
21	619 658 C1	HOSE w/FITTING, pressure filter to booster (HOSE, 1" ID x 19" long including FITTINGS)	41		FITTING (order HOSE, 619 658 C1)
22	9 402 869	ELBOW, 1" x 90° clutch pressure booster (†)		309 874 R1 25 522 R1 24 840 R1 115 093 103 341	CLAMP, suction hose (2) NUT (2) SCREW, hex-hd cap (2) WASHER, lock (2) WASHER, flat (2)
23	343 615 R91	HOSE w/FITTINGS, cooler inlet manifold to clutch booster (1" ID x 53" long including FITTINGS) (†)		620 054 C1	CLAMP, suction hose (on hyd. lift cylinder hose clamp bracket)
24	309 929 R1	CLAMP, cooler inlet hose (Mount on cooler outlet manifold) (†)			CLIP, hose (on dash support mtng. bolt)
25	9 402 713	CONNECTOR, oil cooler manifold (2) (†)			

(†) - For Manual Shift Crawler Tractors with Clutch Oil Cooler Attachment.

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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ENGINE CLUTCH PIPING AND RELATED PARTS (For Manual Shift Crawler Tractors) 1917 and up



CE-103755

1	707 253 R1	"O" RING, suction filter (1-1/2 x 1-3/4 x 1/8")	5		FITTING (order HOSE, 619 657 C1)
2		FILTER, wet clutch oil supply suction (Refer to "Wet Clutch Oil Supply Suction Filter")	6	619 657 C1	HOSE w/FITTINGS, suction filter to charge pump inlet (HOSE, 1-1/4 ID x 48" long including FITTINGS)
3	307 915 R1	"O" RING, outlet union (1.475 x 1.711 x .118)	7		FITTING (order HOSE, 619 657 C1)
4	9 410 208	UNION, suction filter outlet	8	703 433 C1 870 325 R1 115 314	MANIFOLD, charge pump inlet SCREW, hex-hd cap (4) WASHER, lock (phc) (4)

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ENGINE CLUTCH PIPING AND RELATED PARTS - Continued (For Manual Shift Crawler Tractors) 1917 and up			21	666 052 C1	HOSE w/FITTINGS, pressure filter to booster (HOSE, 1" ID x 42" long including FITTINGS) (used w/FILTER, 702 096 C91 or 665 728 C91) 2379 and up
9	707 253 R1	"O" RING, inlet manifold (1-1/2 x 1-3/4 x 1/8")	22	9 402 869	ELBOW, clutch pressure booster (+)
10		PUMP ASSY, wet clutch oil supply (Refer to "Wet Clutch Oil Supply Pump")	23	343 615 R91	HOSE w/FITTINGS, cooler inlet manifold to clutch booster (1" ID x 53" long including FITTINGS) (+)
11	708 560 R1	"O" RING, outlet manifold (1-5/16 x 1-9/16 x 1/8")	24	309 929 R1	CLAMP, cooler inlet hose (Mount on cooler outlet manifold) (+)
12	703 510 C1 140 483 H 115 093	MANIFOLD, charge pump outlet SCREW, hex-hd cap (4) WASHER, lock (4)	25	9 402 713	CONNECTOR, oil cooler manifold (2) (+)
12A	9 410 285	ELBOW, pump outlet manifold (used w/HOSE, 606 435 C91)	26	331 894 R21 25 496 R1 115 093	MANIFOLD w/PLUG, 444 632, oil cooler (2) (+) SCREW, hex-hd cap WASHER, lock
13		FITTING (Not Furnished Separately)	27	444 632	PLUG, oil cooler manifold (2) (+)
14	606 435 C91	HOSE w/two FITTINGS, pump outlet manifold to pressure filter (HOSE, 1" ID x 32" long including FITTINGS) (used w/FILTER, 621 930 C91) 1917 to 2378	28	309 559 R1	GASKET, oil cooler manifold (2) (+)
14	666 051 C1	HOSE w/FITTINGS, pump outlet manifold to pressure filter (HOSE, 1" ID x 48" long including FITTINGS) (used with FILTERS, 702 096 C91 or 665 728 C91) 2379 and up	29		FITTING (order HOSE, 702 681 C1) (+)
	308 872 R1 25 534 R1	CLAMP, hose (under LH center clutch housing bolt) WASHER, flat	30	702 681 C1	HOSE w/FITTINGS, cooler outlet manifold to clutch 1" ID x 44" long including FITTINGS) (+)
15		FITTING (Not Furnished Separately)	31		FITTING (order HOSE, 702 681 C1) (+)
16	9 410 981	ELBOW, pressure filter inlet	32	9 402 869	ELBOW, cooler outlet manifold to clutch hose (at clutch housing) (+)
17	296 247 R1	"O" RING, pressure filter inlet and outlet (1.171 x 1.403 x .116") (2)	33	144 056	BUSHING, reducer (2)
18		FILTER ASSEMBLY, wet clutch oil supply pressure (Refer to "Wet Clutch Oil Supply Pressure Filter")	34	610 638 C1	CONNECTOR, booster outlet
19	666 043 C1 24 850 R1 115 314 103 342	BRACKET, wet clutch oil supply pressure filter mounting SCREW, hex-hd cap (3) WASHER, lock (3) WASHER, flat (3)	35	135 366 H1	SLEEVE, tube (2)
20	9 410 285	ELBOW, pressure filter outlet (used w/HOSE, 606 436 C91)	36	610 639 C1	NUT, tube (2)
21	606 436 C91	HOSE w/FITTINGS, pressure filter to booster (HOSE, 1" ID x 25" long including FITTINGS) (used w/FILTER, 621 930 C91) 1917 to 2378	37	620 263 C91	TUBE w/two SLEEVE, 135 366 H1 and two NUT, 610 639 C1, booster to clutch
			38	619 472 C1	ELBOW, clutch housing inlet
			39	9 402 713	CONNECTOR, clutch pressure booster (used w/HOSE, 606 436 C91)

(+) - For Manual Shift Crawler Tractors with Clutch Oil Cooler Attachment.

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ENGINE CLUTCH PIPING AND RELATED PARTS -					
Continued					
(For Manual Shift Crawler Tractors)					
1917 and up					
39	9 402 869	ELBOW, 1" x 90° clutch pressure booster (used with HOSE, 666 052 C1)			
40		FITTING (Not Furnished Separately)			
41		FITTING (Not Furnished Separately)			
	309 874 R1	CLAMP, suction hose (2)			
	25 522 R1	NUT (2)			
	24 840 R1	SCREW, hex-hd cap (2)			
	115 093	WASHER, lock (2)			
	103 341	WASHER, flat			
	620 054 C1	CLAMP, suction hose (on hyd. lift cylinder hose clamp bracket)			
	310 200 R1	CLIP, hose (on dash support mtng. bolt)			

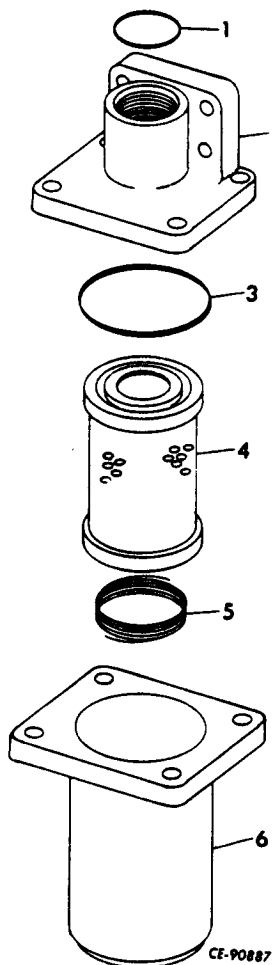
DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION
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WET CLUTCH OIL SUPPLY SUCTION FILTER

(For Manual Shift Crawler Tractor)

(Ripley)

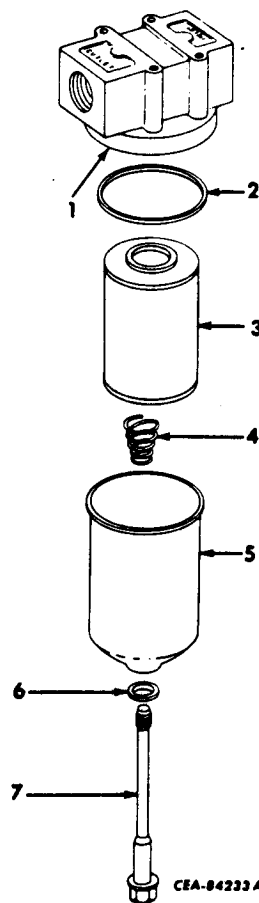


REF. NO.	PART NUMBER	DESCRIPTION
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WET CLUTCH OIL SUPPLY PRESSURE FILTER

(For Manual Shift Crawler Tractor)

1916 and below
and 2379 to 3761
(Deluxe Products)

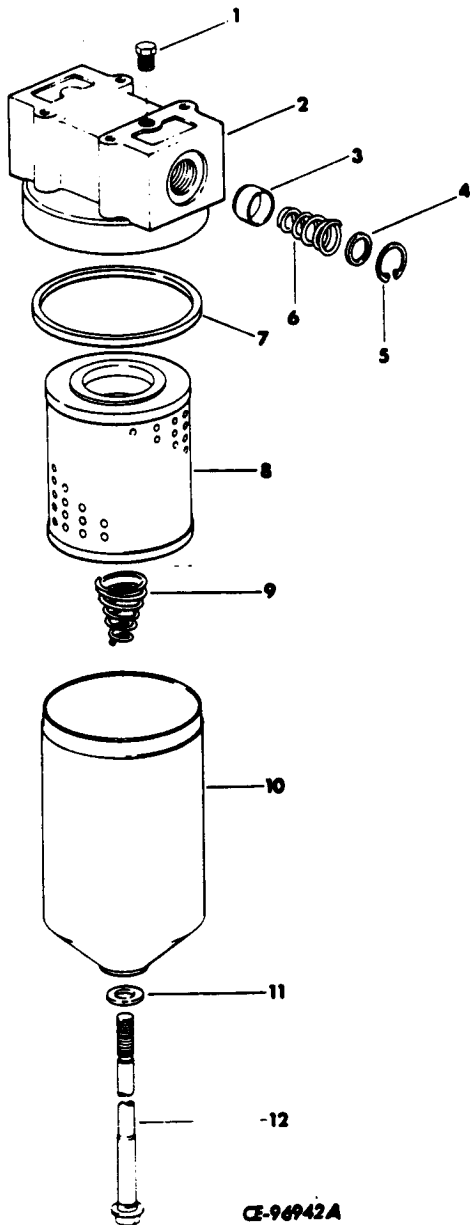


	702 480 C91	FILTER ASSY, wet clutch oil supply suction
	870 325 R1	SCREW, hex-hd cap (4)
	115 314	WASHER, lock (4)
		(Includes Ref. Nos. 1 thru 6)
1	708 560 R1	"O" RING, 1-5/16 x 1-9/16 x 1/8"
2		HEAD, filter (Not Furnished Separately)
	25 751 R1	SCREW, hex-hd cap (4)
	103 320	WASHER, lock (4)
3	257 642 R1	"O" RING, 4-1/4 x 4-1/2 x 1/8"
4	619 279 C1	ELEMENT, strainer
5	346 822 R1	SPRING
6		BODY, filter (Not Furnished Separately)

	702 096 C91	FILTER ASSY, wet clutch oil supply pressure (order FILTER, 665 728 C92)
	24 621 R1	SCREW, hex-hd cap (4)
	115 093	WASHER, lock (4)
		(Includes Ref. Nos. 1 thru 7)
1		HEAD, filter (Not Furnished Separately)
2	3 042 934 R1	"O" RING
3	615 447 C2	ELEMENT, filter
4	615 444 C1	SPRING
5	615 443 C1	BODY, filter
6	615 445 C1	GASKET, bolt
7	615 446 C1	BOLT, filter

DRIVE TRAIN

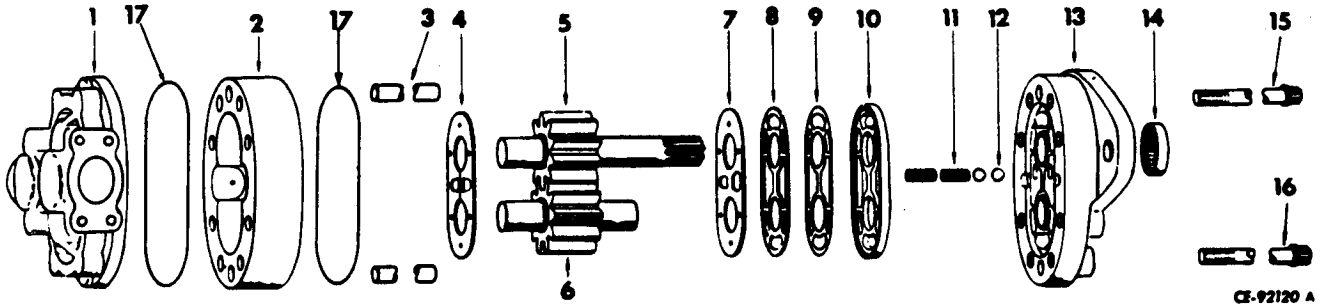
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
WET CLUTCH OIL SUPPLY PRESSURE FILTER (For Manual Shift Crawler Tractors) 1917 to 2378 and 3762 and up (Deluxe Products)			A	621 930 C91	FILTER ASSY, wet clutch oil supply pressure (order FILTER, 665 728 C92) 1917 to 2378
			B	665 728 C94	FILTER ASSY, wet clutch oil supply pressure
				24 621 R1	SCREW, hex-hd cap
				115 093	WASHER, lock (4) 3762 and up
			1	444 820	PLUG, filter back face outlet (Not part of Filter Assy) (used with Assy A)
			2		BASE ASSEMBLY (order FILTER ASSY, 665 728 C92) (A) (Composed of -
				1 SPRING	619 815 C1
				1 RING	338 835 R1
				1 VALVE	381 625 R1
				1 WASHER	392 953 R1)
			2		BASE ASSEMBLY (Not Furnished Separately) (B) (Composed of -
				1 SPRING	622 663 C1
				1 RING	338 835 R1
				1 VALVE	706 950 C1
				1 WASHER	103 343)
			3	381 625 R1	VALVE (A)
			3	706 950 C1	VALVE (B)
			4	392 953 R1	WASHER (A)
			4	103 343	WASHER (B)
			5	338 835 R1	RING, retaining (A)
			5	338 835 R1	RING, retaining (B)
			6	619 815 C1	SPRING (A)
			6	622 663 C1	SPRING (B)
			7	3 042 934 R1	"O" RING, 5 x 5-1/2 x 1/4"
			8	615 447 C2	ELEMENT
			9	471 633 R1	SPRING
			10	615 443 C1	BODY
			11	619 814 C1	WASHER, seal
			12	615 446 C1	BOLT



DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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WET CLUTCH OIL SUPPLY PUMP
 (For Manual Shift Crawler Tractor)
 (Cessna Aircraft Co.)



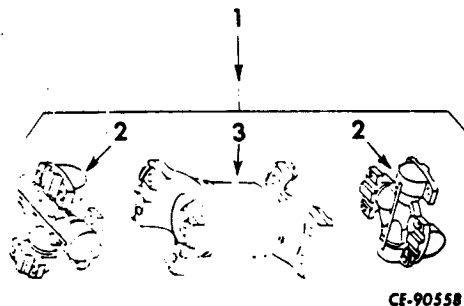
	703 505 C92	PUMP ASSY, wet clutch oil supply	12	§	BALL, steel (Order KIT 67 055 C1) (2)
	24 862 R1	SCREW, hex-hd cap (2)			
	116 121	WASHER, lock (2)			
		(Consists of -			
1	§	PLATE, back	13	§	PLATE, front
2	§	BODY	14	§	SEAL, shaft (Order KIT 67 055 C1)
3	§	PIN, dowel (2)	15	202 206 H1	SCREW, cap (4)
4	§	PLATE, thrust (Order KIT 67 055 C1)	16	202 207 H1	SCREW, cap (4)
5	§	GEAR, drive	17	§	"O" RING (5 x 5-3/16 x 3/32") (Order KIT 67 055 C1) (2)
6	§	GEAR, idler		67 055 C1	KIT, seal (Consists of -
7	§	DIAPHRAGM (Order KIT 67 055 C1)			§ 2 BALL
8	§	GASKET, back-up (Order KIT, 67 055 C1)			§ 1 DIAPHRAGM
9		GASKET, protector (Order KIT 67 055 C1)			§ 1 GASKET
10	§	SEAL, diaphragm (Order KIT, 67 055 C1)			§ 1 GASKET
11	§	SPRING, check (Order KIT 67 055 C1) (2)			§ 1 PLATE
					§ 2 "O" RING
					§ 1 SEAL
					§ 1 SEAL
					§ 2 SPRING
					§ 1 INSTALLATION INSTRUCTION
					§ 1 RING, retaining
					§ 1 WASHER

(§) - Not Furnished Separately

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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WET CLUTCH UNIVERSAL JOINT
(For Manual Shift Crawler Tractor)



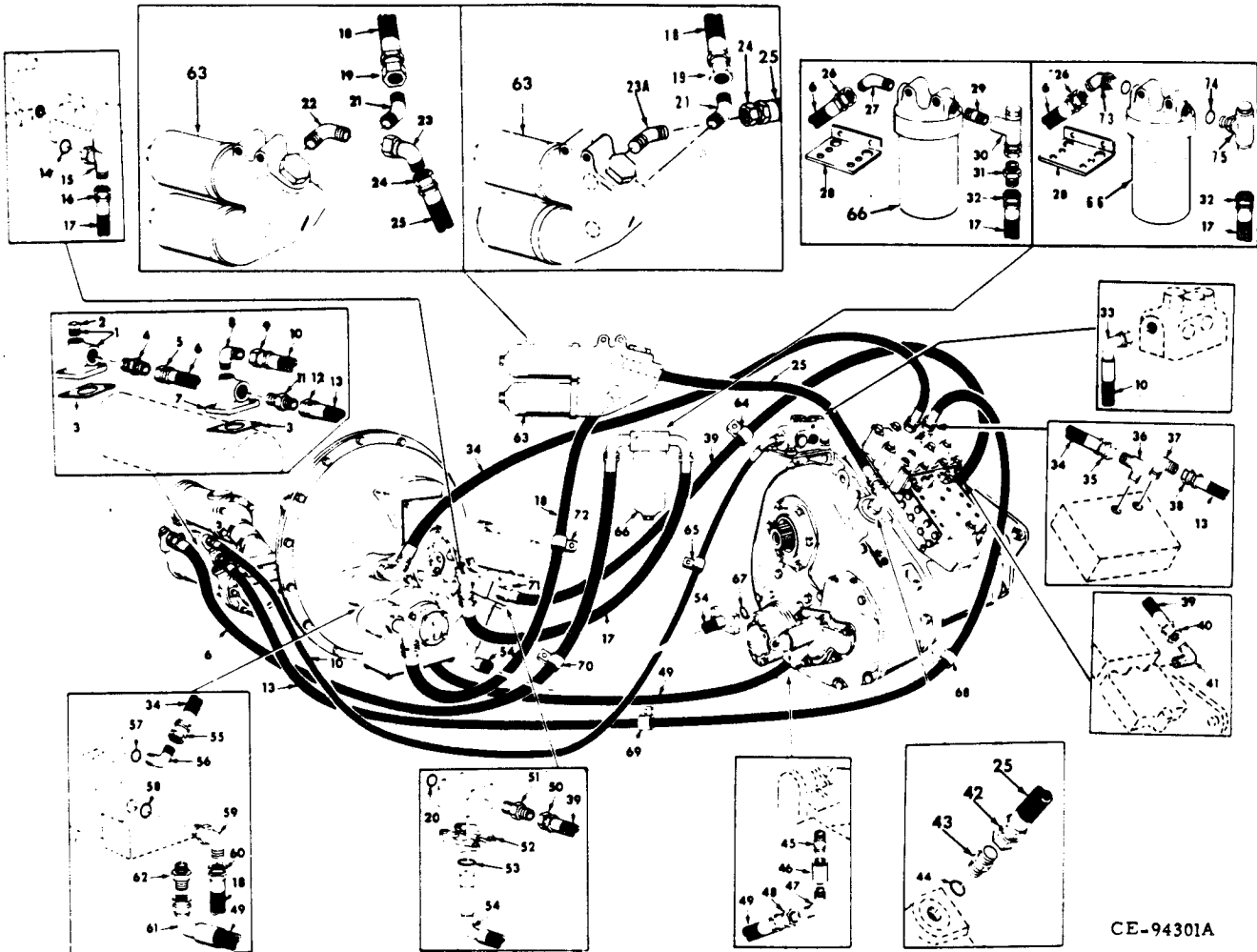
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|---|--------------|--|--|--|--|
| 1 | 703 096 C91 | JOINT ASSY, wet clutch universal
(966-03-31886) | | | |
| | 25 279 R1 | SCREW, NF hex-hd cap (8) | | | |
| | 114 608 | WASHER, lock (8) | | | |
| | | (Consists of - | | | |
| 2 | 1 110 935 C1 | SPIDER and BEARING (CP-72N-114)
(Replaces, 338 412 R91) (CP-68WB) (2) | | | |
| 3 | 702 904 C1 | TUBE and YOKE (966-60-31886)
SCREW, 1/2NF x 2-3/4" hex-hd
cap (8)
NUT, 1/2" (8) | | | |

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TORQUE CONVERTER AND TRANSMISSION PIPING

Power Shift 2915 and below



CE-94301A

1	331 894 R21 25 496 R1 115 093	MANIFOLD, torque converter oil cooler inlet SCREW, hex-hd cap (2) WASHER, lock (2)	6	606 437 C91	HOSE w/two FITTINGS, safety filter to oil cooler (1" ID x 41" long including FITTINGS)
2	444 632	PLUG, oil cooler inlet manifold	7	331 894 R21 25 496 R1 115 093	MANIFOLD, torque converter oil cooler outlet SCREW, hex-hd cap (2) WASHER, lock (2)
3	309 559 R1	GASKET, manifold cooler (2)	8	9 402 866	ELBOW, oil cooler outlet manifold Power Shift
4	9 402 713	CONNECTOR, torque converter oil cooler inlet hose			76 to 2915 Also 647 and 653
5		FITTING, (order HOSE, 606 437 C91)			

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TORQUE CONVERTER AND TRANSMISSION PIPING - Continued			25	659 217 C1	HOSE w/two FITTINGS, pressure filter to transmission inlet elbow (HOSE, 1-1/4" ID x 16" long including FITTINGS) Power Shift 1884 to 2915
9		FITTING, hose (order HOSE, 702 689 C1) Power Shift 676 to 2915 Also 647 and 653	26		FITTING, hose (order HOSE, 606 437 C91)
10	702 689 C1	HOSE w/FITTING, oil cooler to shuttle valve (1/2" ID x 53" long including FITTINGS) Power Shift 676 to 2915 Also 647 and 653	27	9 402 830	ELBOW, safety filter outlet (1" x 45°) Power Shift 2117 and below
11	9 402 713	CONNECTOR, torque converter oil cooler outlet hose	28	330 927 R1 24 848 R1 115 314	BRACKET, safety filter mounting SCREW, hex-hd cap (2) WASHER, lock (2)
12		FITTING, hose (order HOSE, 606 438 C91)	29	127 878	NIPPLE (1/2 x 1-1/2" pipe) safety filter inlet Power Shift 2117 and below
13	606 438 C91	HOSE w/two FITTINGS, torque converter oil cooler to regulator (1" ID x 70" long including FITTINGS)	30	179 624	TEE, safety filter Power Shift 2117 and below
14	296 247 R1	"O" RING, 1.171 x 1.403 x .116"	31	9 402 713	CONNECTOR, torque converter to safety filter hose Power Shift 2117 and below
15	9 410 981	ELBOW, torque converter to safety filter hose (1" x 90°)	32		FITTING, hose (order HOSE, 606 435 C91)
16		FITTING, hose (order HOSE, 606 435 C91)	33		FITTING, hose (order HOSE, 702 689 C1) Power Shift 676 to 2915 Also 647 and 653
17	606 435 C91	HOSE w/two FITTINGS, torque converter to safety filter (1" ID x 32" long including FITTINGS)	34	606 436 C91	HOSE w/two FITTINGS, regulator valve to torque converter (1" ID x 25" long including FITTINGS)
18	702 989 C1	HOSE w/two FITTINGS, torque converter pump to pressure filter (HOSE, 1-1/4" ID x 28" long including FITTINGS)	35		FITTING, hose (order HOSE, 606 436 C91)
19		FITTING, hose (order HOSE, 702 989 C1)	36	472 753 R1	ELBOW, regulator valve
20	290 987 R1	"O" RING, 1-3/4 x 2 x 1/8"	37	9 402 869	ELBOW, regulator inlet
21	9 402 831	ELBOW, dual filter inlet	38		FITTING, hose (order HOSE, 606 438 C91)
22	9 402 870	ELBOW, dual filter outlet Power Shift 1883 and below	39	606 437 C91	HOSE w/two FITTINGS, transmission housing lube drain (1" ID x 41" long including FITTINGS)
23	9 410 260	ELBOW, 45° Power Shift 1883 and below	40		FITTING, hose (order HOSE, 606 437 C91)
23A	9 402 831	ELBOW, dual filter outlet Power Shift 1884 to 2915	41	9 402 869	ELBOW, transmission housing lube drain
24		FITTING (Not Furnished Separately)	42		FITTING (Not Furnished Separately)
25	702 085 C1	HOSE w/two FITTINGS, pressure filter to transmission inlet elbow (1-1/8" ID x 15" long including FITTINGS) Power Shift 1883 and below	43	9 411 110	ELBOW, transmission inlet Power Shift 1883 and below
			43	9 410 208	CONNECTOR, transmission inlet Power Shift 1884 to 2915

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TORQUE CONVERTER AND TRANSMISSION PIPING - Continued Power Shift 2915 and below			64	308 872 R1	CLAMP, lubricating regulator valve to suction filter hose (2)
				25 522 R1	NUT
				24 840 R1	SCREW, hex-hd cap
				103 341	WASHER, flat (2)
				115 093	WASHER, lock
44	307 915 R1	"O" RING, 1.475 x 1.711 x .118"		608 178 C1	BRACKET, regulator drain to suction filter manifold hose clamp (on transmission cover flange bolt)
45	219 657	NIPPLE, 3/4 x 2" pipe		179 840	SCREW, hex-hd cap
46	192 090	COUPLING, 3/4" pipe		103 341	WASHER, flat (2)
47	9 402 828	ELBOW, transmission scavenging inlet		115 093	WASHER, lock
48		FITTING, hose (order HOSE, 606 433 C91)		25 522 R1	NUT
49	606 433 C91	HOSE w/two FITTINGS, flywheel housing to transmission scavenging pump (5/8 ID x 32" long including FITTINGS)	65	308 860 R1	CLIP, oil cooler to shuttle valve hose (mounted at gauge tube hole next to safety filter) Power Shift 676 to 2915 Also 647 and 653
50		FITTING, hose (order HOSE, 606 437 C91)	66		FILTER ASSEMBLY, safety (Refer to "Safety Filter")
51	9 402 713	ADAPTER, suction filter manifold	67	290 987 R1	"O" RING, 1-3/4 x 2 x 1/8"
52	290 045 R1 24 850 R1	CLAMP-HALF, split flange (2) SCREW, hex-hd cap (4)	68	308 872 R1	CLAMP, oil cooler to regulator valve hose
53	707 253 R1	"O" RING, hose flange (1-1/2 x 1-3/4 x 1/8")		24 840 R1	SCREW, hex-hd cap
				115 093	WASHER, lock
54	700 284 C1 24 863 R1 116 121	HOSE w/FITTINGS, sump to suction filter manifold SCREW, hex-hd cap (2) WASHER, lock (2)	69	309 929 R1	CLAMP, oil cooler to regulator valve hose
				24 840 R1	SCREW, hex-hd cap
				115 093	WASHER, lock
55		FITTING, hose (order HOSE, 606 436 C91)	70	308 872 R1	CLAMP, torque converter oil cooler inlet hose
				24 840 R1	SCREW, hex-hd cap
				115 093	WASHER, lock
56	9 410 981	ELBOW, torque converter (1" x 90°)	71	611 403 C1	MANIFOLD, suction filter (on torque converter)
57	296 247 R1	"O" RING, 1.171 x 1.403 x .116"		25 507 R1	SCREW, hex-hd cap (2)
58	307 915 R1	"O" RING, 1.475 x 1.711 x .118"		116 121	WASHER, lock (2)
59	9 410 982	ELBOW, torque converter pump to filter hose (in torque converter pump outlet) (1-1/4" x 90°)	72	308 872 R1	CLAMP, pressure filter hose
60		FITTING, hose (order HOSE, 702 989 C1)	73	24 119 R1	ELBOW, safety filter outlet (1" x 45°) Power Shift 2118 to 2915
61		FITTING, hose (order HOSE, 606 433 C91)	74	296 247 R1	"O" RING, 1.171 x 1.403 x .116" (2) Power Shift 2118 to 2915
62	9 402 711	CONNECTOR, flywheel housing drain outlet	75	659 073 C1	TEE, safety filter Power Shift 2118 to 2915
63		FILTER ASSEMBLY, pressure (Refer to "Pressure Filter")		679 008 C91	PACKAGE, transmission filter field improvement (Composed of - 1 DRAWING, control tower rework ISK-67450 1 DRAWING, seat frame rework ISK-67451 1 DRAWING, fender - I H rework ISK-67452

DRIVE TRAIN

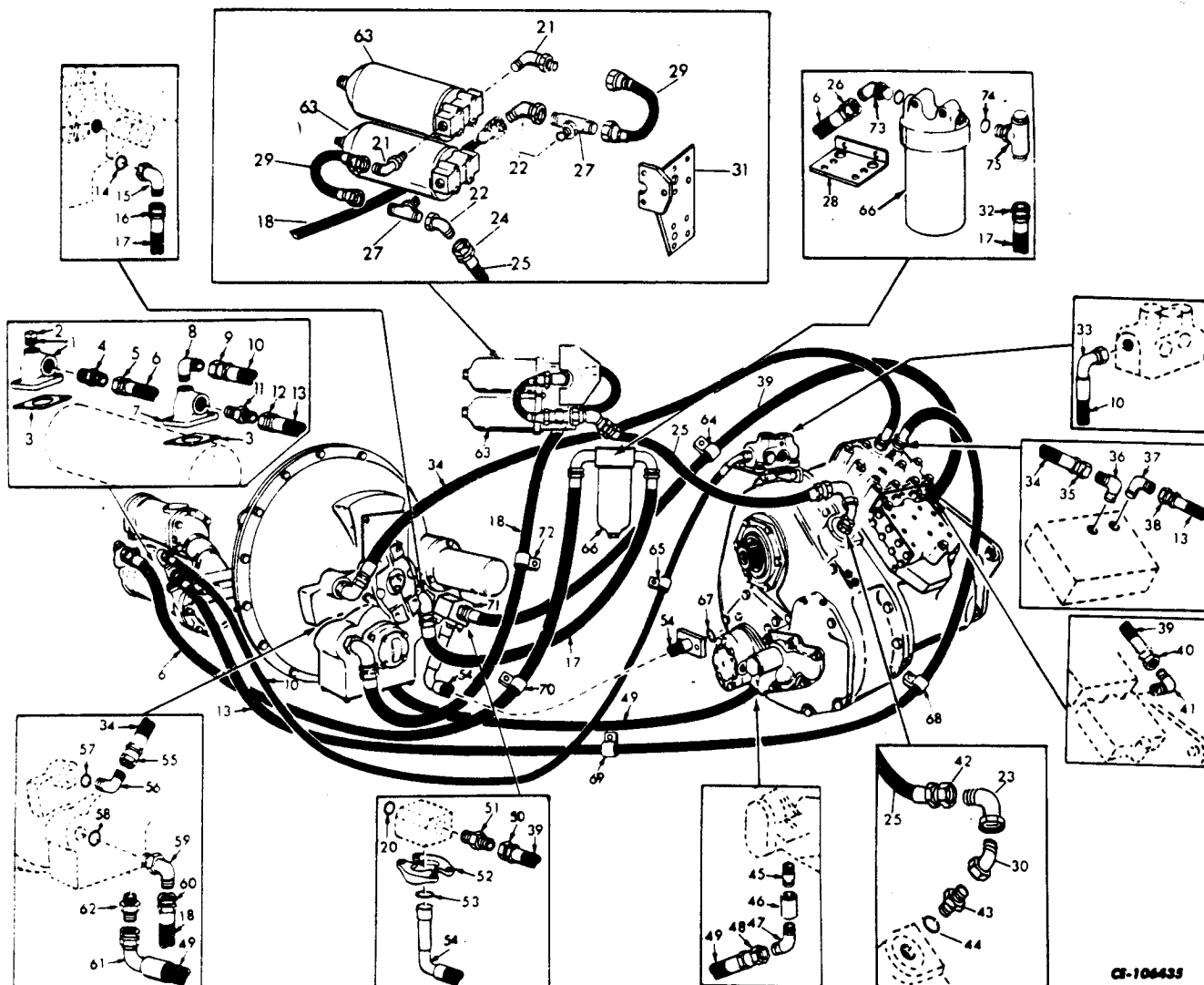
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TORQUE CONVERTER AND TRANSMISSION PIPING - Continued Power Shift 2915 and below			1	PAN	732 116 C1
			1	BOLT	277 232 R1
			1	BOLT	24 621 R1
			1	BOLT	24 841 R1
			1	BOLT	24 842 R1
			8	WASHER	25 544 R1
			4	NUT	25 522 R1
1	DRAWING, instl. filter ind.	ISK-66984	1	SHIELD	732 138 C1
1	DRAWING, battery box cover rework	ISK-67469	4	BOLT	24 839 R1
1	DRAWING, transmission pressure filter	CZG-3229	4	WASHER	25 544 R1
1	DRAWING, hydraulic system plumbing	CZG-3231	1	DOOR	732 140 C1
1	SHEET - LH	732 125 C1	3	BOLT	24 840 R1
2	TRIM	709 381 C1	6	WASHER	25 534 R1
1	SUPPORT, rear	732 129 C1	3	NUT	25 522 R1
3	BOLT	140 483 H	2	BOLT	24 849 R1
6	WASHER	25 534 R1	2	WASHER	25 545 R1
3	NUT	25 522 R1	2	WASHER	115 314
3	WASHER	115 093	10	STRAP	306 132 C1
1	ANGLE, front	732 130 C1	2	ELBOW	346 737 R1
2	BOLT	24 863 R1	1	CLIP	362 666 R1
4	WASHER	25 546 R1	2	CONNECTOR	9 402 706
2	NUT	25 526 R1	1	HOSE	740 236 C1
1	SUPPORT	732 131 C1	1	HOSE	740 237 C1
3	BOLT	24 861 R1	1	BRACKET	715 765 C1
6	WASHER	25 546 R1	2	BOLT	25 483 R1
3	NUT	25 526 R1	2	WASHER	115 109
1	PLATE	732 134 C1	4	WASHER	25 551 R1
4	BOLT	24 840 R1	2	NUT	25 519 R1
8	WASHER	25 544 R1	1	INDICATOR	715 647 C1
4	NUT	25 522 R1	2	BOLT	26 673 R1
1	HANDLE	732 137 C1	2	WASHER	715 753 C1
2	BOLT	24 861 R1	2	WASHER	25 551 R1
4	WASHER	25 546 R1	1	GROMMET	317 623 R1
2	NUT	25 526 R1	1	CLAMP	309 874 R1
3	BASE	715 385 C91	1	BRACKET	651 266 C1
3	BASE	1 040 078 C1	1	CLAMP	309 874 R1
3	BODY	630 145 C1	1	BOLT	24 843 R1
3	BOLT	631 143 C1	2	WASHER	25 544 R1
2	COVER	637 440 C1	1	WASHER	115 093
2	BOLT	27 945 R1	1	NUT	25 522 R1
18	BOLT	27 946 R1	1	CLAMP	309 874 R1
20	WASHER	115 314	1	BOLT	24 843 R1
6	NUT	25 524 R1	2	WASHER	25 544 R1
3	ELEMENT	1 140 079 C1	1	WASHER	115 093
2	PLUG	444 576	1	NUT	25 522 R1
3	PLUG	444 692	1	CLAMP	309 874 R1
3	PLUG	9 410 363	1	BOLT	24 840 R1
3	RING	296 247 R1	2	WASHER	25 544 R1
6	RING	343 909 R1	1	WASHER	115 093
3	RING	3 042 934 R1	1	NUT	25 522 R1
3	SPRING	1 140 077 C1	4	BOLT	140 483 H
3	WASHER	619 814 C1	8	WASHER	25 544 R1
6	BOLT	24 840 R1	4	SPACER	309 710 C1
6	WASHER	25 544 R1	4	WASHER	115 093
1	HOSE	732 152 C1	4	NUT	25 522 R1
1	HOSE	732 153 C1	1	STRAP	306 132 C1
2	RING	343 909 R1	1	ANGLE	732 127 C1
4	FLANGE	290 045 R1	2	BOLT	24 863 R1
8	BOLT	24 850 R1	4	WASHER	25 546 R1
8	WASHER	115 314	2	NUT	25 526 R1
1	CLAMP, hose	308 872 R1			
1	BOLT	140 483 H			
1	WASHER	25 544 R1			
1	WASHER	115 093			
1	TRIM	668 290 C1			

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TORQUE CONVERTER AND TRANSMISSION PIPING

Power Shift 2916 to 3569



CI-106435

1	331 894 R21 25 496 R1 115 093	MANIFOLD, torque converter oil cooler inlet SCREW, hex-hd cap (2) WASHER, lock (2)	6	606 437 C91	HOSE w/two FITTINGS, safety filter to oil cooler (1" ID x 41" long including FITTINGS)
2	444 632	PLUG, oil cooler inlet manifold	7	331 894 R21 25 496 R1 115 093	MANIFOLD, torque converter oil cooler outlet SCREW, hex-hd cap (2) WASHER, lock (2)
3	309 559 R1	GASKET, manifold cooler (2)	8	9 402 866	ELBOW, oil cooler outlet manifold
4	9 402 713	CONNECTOR, torque converter oil cooler inlet hose	9		FITTING, hose (order HOSE, 702 689 C1)
5		FITTING, hose (order HOSE, 606 437 C91)			

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TORQUE CONVERTER AND TRANSMISSION PIPING - Continued			31	706 627 C2	BRACKET, pressure filter
Power Shift 2916 to 3569				24 850 R1	SCREW, hex-hd cap (3)
				115 314	WASHER, lock (3)
				103 342	WASHER, flat (3)
10	702 689 C1	HOSE w/FITTING, oil cooler to shuttle valve (1/2" ID x 53" long including FITTINGS)	32		FITTING, hose (order HOSE, 606 435 C91)
11	9 402 713	CONNECTOR, torque converter oil cooler outlet hose	33		FITTING, hose (order HOSE, 702 689 C1)
12		FITTING, hose (order HOSE, 606 438 C91)	34	606 436 C91	HOSE w/two FITTINGS, regulator valve to torque converter (1" ID x 25" long including FITTINGS)
13	606 438 C91	HOSE w/two FITTINGS, torque converter oil cooler to regulator (1" ID x 70" long including FITTINGS)	35		FITTING, hose (order HOSE, 606 436 C91)
14	296 247 R1	"O" RING, 1.171 x 1.403 x .116"	36	472 753 R1	ELBOW, regulator valve
15	9 410 981	ELBOW, torque converter to safety filter hose	37	9 402 869	ELBOW, regulator inlet
16		FITTING, hose (order HOSE, 606 435 C91)	38		FITTING, hose (order HOSE, 606 438 C91)
17	606 435 C91	HOSE w/two FITTINGS, torque converter to safety filter (1" ID x 32" long including FITTINGS)	39	606 437 C91	HOSE w/two FITTINGS, transmission housing lube drain (1" ID x 41" long including FITTINGS)
18	606 447 C91	HOSE w/two FITTINGS, torque converter pump to pressure filter (HOSE, 1-1/4" ID x 20-1/2" long including FITTINGS)	40		FITTING, hose (order HOSE, 606 437 C91)
20	290 987 R1	"O" RING	41	9 402 869	ELBOW, transmission housing lube drain
21	9 410 982	ELBOW, dual filter inlet (2)	42		FITTING, hose (order HOSE, 606 447 C91)
	307 915 R1	RING, sealing (2)	43	9 410 208	CONNECTOR, transmission inlet
22	9 410 260	ELBOW, 45° swivel (2)	44	307 915 R1	"O" RING
23	9 410 286	ELBOW, 90° swivel	45	219 657	NIPPLE, pipe
24		FITTING, hose (order HOSE, 606 447 C91)	46	192 090	COUPLING, pipe
25	606 447 C91	HOSE w/two FITTINGS, pressure filter to transmission inlet elbow (HOSE, 1-1/4" ID x 20-1/2" long including FITTINGS)	47	9 402 828	ELBOW, transmission scavenging inlet
26		FITTING, hose (order HOSE, 606 437 C91)	48		FITTING, hose (order HOSE, 606 433 C91)
27	715 771 C1	TEE, dual filter in and out lower (replaces 9411 123) (2)	49	606 433 C91	HOSE w/two FITTINGS, flywheel housing to transmission scavenging pump (5/8 ID x 32" long including FITTINGS)
	307 915 R1	RING, sealing (2)	50		FITTING, hose (order HOSE, 606 437 C91)
28	330 927 R1	BRACKET, safety filter mounting	51	9 402 713	ADAPTER, suction filter manifold
	24 848 R1	SCREW, hex-hd cap (2)	52	290 045 R1	CLAMP-HALF, split flange (2)
	115 314	WASHER, lock (2)		24 850 R1	SCREW, hex-hd cap (4)
29	706 629 C1	TUBE, pressure filter (2)	53	707 253 R1	"O" RING, hose flange (1-1/2 x 1-3/4 x 1/8")
30	9 410 260	ELBOW, 45° swivel			

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TORQUE CONVERTER AND TRANSMISSION PIPING - Continued Power Shift 2916 to 3569			70	308 872 R1	CLAMP, torque converter oil cooler inlet hose
				24 840 R1	SCREW, hex-hd cap
				115 093	WASHER, lock
54	700 284 C1	HOSE w/FITTINGS, sump to suction filter manifold	71	611 403 C1	MANIFOLD, suction filter (on torque converter)
	24 863 R1	SCREW, hex-hd cap (2)		25 507 R1	SCREW, hex-hd cap (2)
	116 121	WASHER, lock (2)		116 121	WASHER, lock (2)
55		FITTING, hose (order HOSE, 606 436 C91)	72	308 872 R1	CLAMP, pressure filter hose
56	9 410 981	ELBOW, torque converter (1" x 90°)	73	24 119 R1	ELBOW, safety filter outlet (1" x 45°)
57	296 247 R1	"O" RING, 1.171 x 1.403 x .116"	74	296 247 R1	"O" RING, 1.171 x 1.403 x .116"(2)
58	307 915 R1	"O" RING, 1.475 x 1.711 x .118"	75	659 073 C1	TEE, safety filter
59	9 410 982	ELBOW, torque converter pump to filter hose (in torque converter pump outlet (1-1/4" x 90°)	679 008 C91	PACKAGE, transmission filter field improvement (Composed of -	
60		FITTING, hose (order HOSE, 606 447 C91)		1 DRAWING, control tower rework	ISK-67450
61		FITTING, hose (order HOSE, 606 433 C91)		1 DRAWING, seat frame rework	ISK-67451
62	9 402 711	CONNECTOR, flywheel housing drain outlet		1 DRAWING, fender - LH rework	ISK-67452
63		FILTER ASSEMBLY, pressure (Refer to "Pressure Filter")		1 DRAWING, instl. filter ind.	ISK-66984
64	308 872 R1	CLAMP, lubricating regulator valve to suction filter hose (2)		1 DRAWING, battery box cover rework	ISK-67469
	25 522 R1	NUT		1 DRAWING, transmission pressure filter	CZG-3229
	24 840 R1	SCREW, hex-hd cap		1 DRAWING, hydraulic system plumbing	CZG-3231
	103 341	WASHER, flat (2)		1 SHEET - LH	732 125 C1
	115 093	WASHER, lock		2 TRIM	709 381 C1
	608 178 C1	BRACKET, regulator drain to suction filter manifold hose clamp (on transmission cover flange bolt)		1 SUPPORT, rear	732 129 C1
	179 840	SCREW, hex-hd cap		3 BOLT	140 483 H
	103 341	WASHER, flat (2)		6 WASHER	25 534 R1
	115 093	WASHER, lock		3 NUT	25 522 R1
	25 522 R1	NUT		3 WASHER	115 093
65	308 860 R1	CLIP, oil cooler to shuttle valve hose (mounted at gauge tube hole next to safety filter)		1 ANGLE, front	732 130 C1
66		FILTER ASSEMBLY, safety (Refer to "Safety Filter")		2 BOLT	24 863 R1
67	290 987 R1	"O" RING, 1-3/4 x 2 x 1/8"		4 WASHER	25 546 R1
68	308 872 R1	CLAMP, oil cooler to regulator valve hose		2 NUT	25 526 R1
	24 840 R1	SCREW, hex-hd cap		1 SUPPORT	732 131 C1
	115 093	WASHER, lock		3 BOLT	24 861 R1
69	309 929 R1	CLAMP, oil cooler to regulator valve hose		6 WASHER	25 546 R1
	24 840 R1	SCREW, hex-hd cap		3 NUT	25 526 R1
	115 093	WASHER, lock		1 PLATE	732 134 C1
				4 BOLT	24 840 R1
				8 WASHER	25 544 R1
				4 NUT	25 522 R1
				1 HANDLE	732 137 C1
				2 BOLT	24 861 R1
				4 WASHER	25 546 R1
				2 NUT	25 526 R1

DRIVE TRAIN

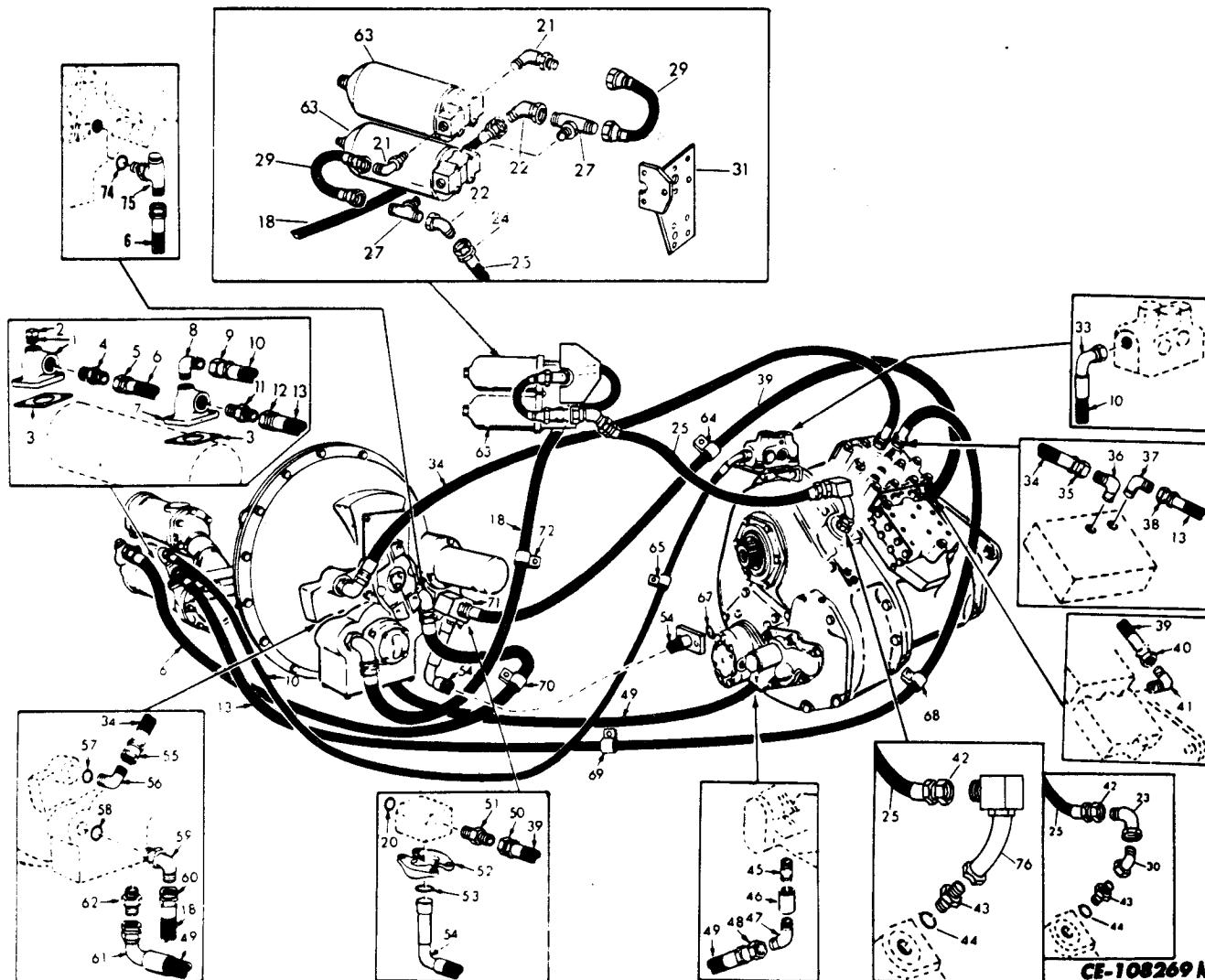
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TORQUE CONVERTER AND TRANSMISSION PIPING -			1	INDICATOR	715 647 C1
Continued			2	BOLT	26 673 R1
Power Shift 2916 to 3569			2	WASHER	715 753 C1
3	BASE	715 385 C91	2	WASHER	25 551 R1
3	BASE	1 140 078 C1	1	GROMMET	317 623 R1
3	BODY	631 145 C1	1	CLAMP	309 874 R1
3	BOLT	631 143 C1	1	BRACKET	651 266 C1
2	COVER	637 440 C1	1	CLAMP	309 874 R1
2	BOLT	27 945 R1	1	BOLT	24 843 R1
18	BOLT	27 946 R1	2	WASHER	25 544 R1
20	WASHER	115 314	1	WASHER	115 093
6	NUT	25 524 R1	1	NUT	25 522 R1
3	ELEMENT	1 140 079 C1	1	CLAMP	309 874 R1
2	PLUG	444 576	1	BOLT	24 840 R1
3	PLUG	444 692	2	WASHER	25 544 R1
3	PLUG	9 410 363	1	WASHER	115 093
3	RING	296 247 R1	1	NUT	25 522 R1
6	RING	343 909 R1	4	BOLT	140 483 H
3	RING	3 042 934 R1	8	WASHER	25 544 R1
3	SPRING	1 140 077 C1	4	SPACER	309 710 C1
3	WASHER	619 814 C1	4	WASHER	115 093
6	BOLT	24 840 R1	4	NUT	25 522 R1
6	WASHER	25 544 R1	1	STRAP	306 132 C1
1	HOSE	732 152 C1	1	ANGLE	732 127 C1
1	HOSE	732 153 C1	2	BOLT	24 863 R1
2	RING	343 909 R1	4	WASHER	25 546 R1
4	FLANGE	290 045 R1	2	NUT	25 526 R1)
8	BOLT	24 850 R1			
8	WASHER	115 314			
1	CLAMP, hose	308 872 R1			
1	BOLT	140 483 H			
1	WASHER	25 544 R1			
1	WASHER	115 093			
1	TRIM	668 290 C1			
1	PAN	732 116 C1			
1	BOLT	277 232 R1			
1	BOLT	24 621 R1			
1	BOLT	24 841 R1			
1	BOLT	24 842 R1			
8	WASHER	25 544 R1			
4	NUT	25 522 R1			
1	SHIELD	732 138 C1			
4	BOLT	24 839 R1			
4	WASHER	25 544 R1			
1	DOOR	732 140 C1			
3	BOLT	24 840 R1			
6	WASHER	25 534 R1			
3	NUT	25 522 R1			
2	BOLT	24 849 R1			
2	WASHER	25 545 R1			
2	WASHER	115 314			
10	STRAP	306 132 C1			
2	ELBOW	346 737 R1			
1	CLIP	362 666 R1			
2	CONNECTOR	9 402 706			
1	HOSE	740 236 C1			
1	HOSE	740 237 C1			
1	BRACKET	715 765 C1			
2	BOLT	25 483 R1			
2	WASHER	115 109			
4	WASHER	25 551 R1			
2	NUT	25 519 R1			

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TORQUE CONVERTER AND TRANSMISSION PIPING

Power Shift 3570 to 6057



CE-108269A

1	331 894 R21	MANIFOLD, torque converter oil cooler inlet	4	9 402 713	CONNECTOR, torque converter oil cooler inlet hose
	25 496 R1	SCREW, hex-hd cap (2)			
	115 093	WASHER, lock (2)			
2	444 632	PLUG, oil cooler inlet manifold	5		FITTING (Not Serviced Separately)
3	309 559 R1	GASKET, manifold cooler (2)	6	606 438 C91	HOSE w/FITTINGS, torque converter to oil cooler inlet (HOSE, 1" ID x 70" long including FITTINGS)

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TORQUE CONVERTER AND TRANSMISSION PIPING - Continued			34	606 436 C91	HOSE w/two FITTINGS, regulator valve to torque converter (1" ID x 25" long including FITTINGS)
Power Shift 3570 to 6057			35		FITTING, hose (order HOSE, 606 436 C91)
7	331 894 R21	MANIFOLD, torque converter oil cooler outlet	36	472 753 R1	ELBOW, regulator valve
	25 496 R1	SCREW, hex-hd cap (2)	37	9 402 869	ELBOW, regulator inlet
	115 093	WASHER, lock (2)	38		FITTING, hose (order HOSE, 606 438 C91)
8	9 402 866	ELBOW, oil cooler outlet manifold	39	606 437 C91	HOSE w/two FITTINGS, transmission housing lube drain (HOSE, 1" ID x 41" long including FITTINGS)
9		FITTING, hose (order HOSE, 702 689 C1)	40		FITTING, hose (order HOSE, 606 437 C91)
10	702 689 C1	HOSE w/FITTING, oil cooler to shuttle valve (1/2" ID x 53" long including FITTINGS)	41	9 402 869	ELBOW, transmission housing lube drain
11	9 402 713	CONNECTOR, torque converter oil cooler outlet hose	42		FITTING, hose (order HOSE, 606 447 C91)
12		FITTING, hose (order HOSE, 606 438 C91)	43	9 410 208	CONNECTOR, transmission inlet
13	606 438 C91	HOSE w/two FITTINGS, torque converter oil cooler to regulator (1" ID x 70" long including FITTINGS)	44	307 915 R1	"O" RING
18	606 447 C91	HOSE w/two FITTINGS, torque converter pump to pressure filter (HOSE, 1-1/4" ID x 20-1/2" long including FITTINGS)	45	219 657	NIPPLE, pipe
20	290 987 R1	"O" RING	46	192 090	COUPLING, pipe
21	9 410 982	ELBOW, dual filter inlet (2)	47	9 402 828	ELBOW, transmission scavenging inlet
	307 915 R1	RING, sealing (2)	48		FITTING, hose (order HOSE, 606 433 C91)
22	9 410 260	ELBOW, 45° swivel (2) 3570 to 6057	49	606 433 C91	HOSE w/two FITTINGS, flywheel housing to transmission scavenging pump (5/8 ID x 32" long including FITTINGS)
23	9 410 286	ELBOW, 90° swivel POWER SHIFT * and below	50	313 509 R91	FITTING, straight swivel hose
24		FITTING (order HOSE, 606 447 C91)	51	9 402 713	ADAPTER, suction filter manifold
25	606 447 C91	HOSE w/two FITTINGS, pressure filter to transmission inlet elbow (HOSE, 1-1/4" ID x 20-1/2" long including FITTINGS)	52	290 045 R1	CLAMP-HALF, split flange (2)
27	715 771 C1	TEE, dual filter in and out lower (Replaces 9411 123) (2)		24 850 R1	SCREW, hex-hd cap (4)
	307 915 R1	RING, sealing (2)	53	707 253 R1	"O" RING, hose flange
29	706 629 C1	TUBE, pressure filter (2)	54	700 284 C1	HOSE w/FITTINGS, sump to suction filter manifold
30	9 410 260	ELBOW, 45° swivel POWER SHIFT * and below		24 863 R1	SCREW, hex-hd cap (2)
				116 121	WASHER, lock (2)
31	706 627 C2	BRACKET, pressure filter	55		FITTING, hose (order HOSE, 606 436 C91)
	24 850 R1	SCREW, hex-hd cap (3)	56	9 410 981	ELBOW, torque converter (1" x 90°)
	115 314	WASHER, lock (3)			
	103 342	WASHER, flat (3)			
33		FITTING, hose (order HOSE, 702 689 C1)			

(*) - Serial Number Not Available

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TORQUE CONVERTER AND TRANSMISSION PIPING - Continued			76	709 251 C1	TUBE, filter to transmission inlet POWER SHIFT * to 6057
Power Shift 3570 to 6057			679 008 C91	PACKAGE, transmission filter field improvement (Composed of -	
57	296 247 R1	"O" RING		1 DRAWING, control tower rework	ISK-67450
58	307 915 R1	"O" RING		1 DRAWING, seat frame rework	ISK-67451
59	9 410 982	ELBOW, torque converter pump to filter hose (in torque converter pump outlet)		1 DRAWING, fender - LH rework	ISK-67452
60		FITTING, hose (order HOSE, 606 447 C91)		1 DRAWING, instl. filter ind.	ISK-66984
61		FITTING, hose (order HOSE, 606 433 C91)		1 DRAWING, battery box cover rework	ISK-67469
62	9 402 711	CONNECTOR, flywheel housing drain outlet		1 DRAWING, transmission pressure filter	CZG-3229
63		FILTER ASSEMBLY, pressure (Refer to "Pressure Filter")		1 DRAWING, hydraulic system plumbing	CZG-3231
64	308 872 R1	CLAMP, lubricating regulator valve to suction filter hose (2)		1 SHEET - LH	732 125 C1
	25 522 R1	NUT		2 TRIM	709 381 C1
	24 840 R1	SCREW, hex-hd cap		1 SUPPORT, rear	732 129 C1
	103 341	WASHER, flat (2)		3 BOLT	140 483 H
	115 093	WASHER, lock		6 WASHER	25 534 R1
	608 178 C1	BRACKET, regulator drain to suction filter manifold hose clamp (on transmission cover flange bolt)		3 NUT	25 522 R1
				3 WASHER	115 093
				1 ANGLE, front	732 130 C1
				2 BOLT	24 863 R1
	25 522 R1	NUT		4 WASHER	25 546 R1
	101 896 R1	WASHER, flat (2)		2 NUT	25 526 R1
	115 093	WASHER, lock		1 SUPPORT	732 131 C1
65	308 860 R1	CLIP, oil cooler to shuttle valve hose (mounted at gauge tube hole next to safety filter)		3 BOLT	24 861 R1
				6 WASHER	25 546 R1
				3 NUT	25 526 R1
				1 PLATE	732 134 C1
				4 BOLT	24 840 R1
67	290 987 R1	"O" RING, 1-3/4 x 2 x 1/8"		8 WASHER	25 544 R1
				4 NUT	25 522 R1
68	308 872 R1	CLAMP, oil cooler to regulator valve hose		1 HANDLE	732 137 C1
	24 840 R1	SCREW, hex-hd cap		2 BOLT	24 861 R1
	115 093	WASHER, lock		4 WASHER	25 546 R1
				2 NUT	25 526 R1
69	309 929 R1	CLAMP, oil cooler to regulator valve hose		3 BASE	715 385 C91
	24 840 R1	SCREW, hex-hd cap		3 BASE	1 140 078 C1
	115 093	WASHER, lock		3 BODY	631 145 C1
				3 BOLT	631 143 C1
				2 COVER	637 440 C1
				2 BOLT	27 945 R1
70	308 872 R1	CLAMP, torque converter oil cooler inlet hose		18 BOLT	27 946 R1
	24 840 R1	SCREW, hex-hd cap		20 WASHER	115 314
	115 093	WASHER, lock		6 NUT	25 524 R1
				3 ELEMENT	1 140 079 C1
				2 PLUG	444 576
71	611 403 C1	MANIFOLD, suction filter (on torque converter)		3 PLUG	444 692
	25 507 R1	SCREW, hex-hd cap (2)		3 PLUG	9 410 363
	116 121	WASHER, lock (2)		3 RING	296 247 R1
				6 RING	343 909 R1
72	308 872 R1	CLAMP, pressure filter hose		3 RING	3 042 934 R1
				3 SPRING	1 140 077 C1
74	296 247 R1	"O" RING, 1.171 x 1.403 x .116"		3 WASHER	619 814 C1
				6 BOLT	24 840 R1
75	659 073 C1	TEE, safety filter		6 WASHER	25 544 R1
				1 HOSE	732 152 C1
				1 HOSE	732 153 C1

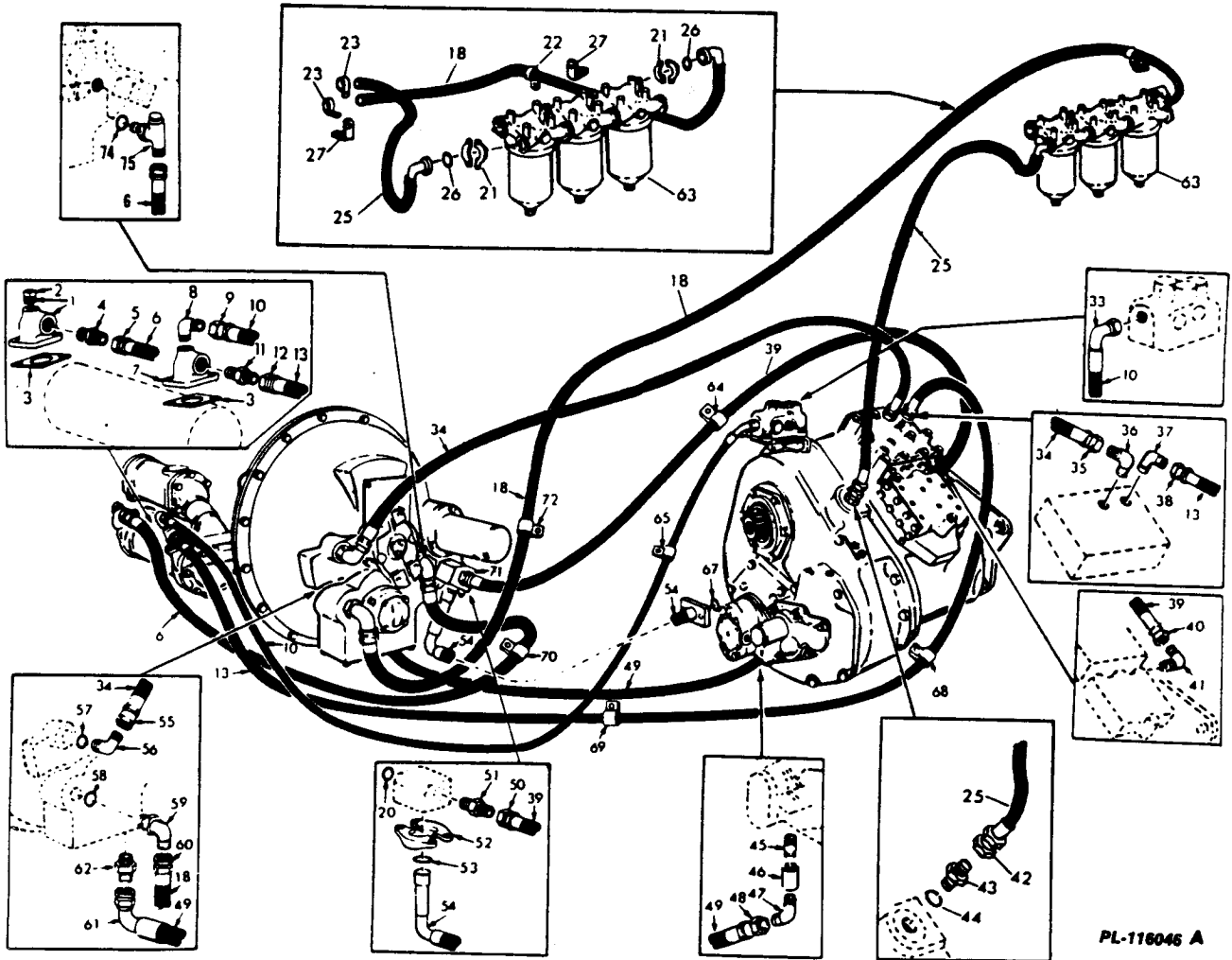
DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TORQUE CONVERTER AND TRANSMISSION PIPING –					
Continued					
Power Shift 3570 to 6057					
	2	RING		343 909 R1	
	4	FLANGE		290 045 R1	
	8	BOLT		24 850 R1	
	8	WASHER		115 314	
	1	CLAMP, hose		308 872 R1	
	1	BOLT		140 483 H	
	1	WASHER		25 544 R1	
	1	WASHER		115 093	
	1	TRIM		668 290 C1	
	1	PAN		732 116 C1	
	1	BOLT		277 232 R1	
	1	BOLT		24 621 R1	
	1	BOLT		24 841 R1	
	1	BOLT		24 842 R1	
	8	WASHER		25 544 R1	
	4	NUT		25 522 R1	
	1	SHIELD		732 138 C1	
	4	BOLT		24 839 R1	
	4	WASHER		25 544 R1	
	1	DOOR		732 140 C1	
	3	BOLT		24 840 R1	
	6	WASHER		25 534 R1	
	3	NUT		25 522 R1	
	2	BOLT		24 849 R1	
	2	WASHER		25 545 R1	
	2	WASHER		115 314	
	10	STRAP		306 132 C1	
	2	ELBOW		346 737 R1	
	1	CLIP		362 666 R1	
	2	CONNECTOR	9	402 706	
	1	HOSE		740 236 C1	
	1	HOSE		740 237 C1	
	1	BRACKET		715 765 C1	
	2	BOLT		25 483 R1	
	2	WASHER		115 109	
	4	WASHER		25 551 R1	
	2	NUT		25 519 R1	
	1	INDICATOR		715 647 C1	
	2	BOLT		26 673 R1	
	2	WASHER		715 753 C1	
	2	WASHER		25 551 R1	
	1	GROMMET		317 623 R1	
	1	CLAMP		309 874 R1	
	1	BRACKET		651 266 C1	
	1	CLAMP		309 874 R1	
	1	BOLT		24 843 R1	
	2	WASHER		25 544 R1	
	1	WASHER		115 093	
	1	NUT		25 522 R1	
	1	CLAMP		309 874 R1	
	1	BOLT		24 840 R1	
	2	WASHER		25 544 R1	
	1	WASHER		115 093	
	1	NUT		25 522 R1	
	4	BOLT		140 483 H	
	8	WASHER		25 544 R1	
	4	SPACER		309 710 C1	
	4	WASHER		115 093	
	4	NUT		25 522 R1	
	1	STRAP		306 132 C1	
	1	ANGLE		732 127 C1	
	2	BOLT		24 863 R1	
	4	WASHER		25 546 R1	
	2	NUT		25 526 R1)	

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TORQUE CONVERTER AND TRANSMISSION PIPING Power Shift 6058 and up



PL-116046 A

1	331 894 R21	MANIFOLD, torque converter oil cooler inlet	4	9 402 713	CONNECTOR, torque converter oil cooler inlet hose
	25 496 R1	SCREW, hex-hd cap (2)		5	FITTING (Not Serviced Separately)
	115 093	WASHER, lock (2)		6	606 438 C91
2	444 632	PLUG, oil cooler inlet manifold			HOSE w/FITTINGS, torque converter to oil cooler inlet (HOSE, 1" ID x 70" long including FITTINGS)
3	309 559 R1	GASKET, manifold cooler (2)			

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TORQUE CONVERTER AND TRANSMISSION PIPING - Continued			34	606 436 C91	HOSE w/two FITTINGS, regulator valve to torque converter (1" ID x 25" long including FITTINGS)
Power Shift 6058 and up			35		FITTING, hose (order HOSE, 606 436 C91)
7	331 894 R21 25 496 R1 115 093	MANIFOLD, torque converter oil cooler outlet SCREW, hex-hd cap (2) WASHER, lock (2)	36	472 753 R1	ELBOW, regulator valve
8	9 402 866	ELBOW, oil cooler outlet manifold	37	9 402 869	ELBOW, regulator inlet
9		FITTING, hose (order HOSE, 702 689 C1)	38		FITTING, hose (order HOSE, 606 438 C91)
10	702 689 C1	HOSE w/FITTING, oil cooler to shuttle valve (1/2" ID x 53" long including FITTINGS)	39	606 437 C91	HOSE w/two FITTINGS, transmission housing lube drain (HOSE, 1" ID x 41" long including FITTINGS)
11	9 402 713	CONNECTOR, torque converter oil cooler outlet hose	40		FITTING, hose (order HOSE, 606 437 C91)
12		FITTING, hose (order HOSE, 606 438 C91)	41	9 402 869	ELBOW, transmission housing lube drain
13	606 438 C91	HOSE w/two FITTINGS, torque converter oil cooler to regulator (1" ID x 70" long including FITTINGS)	42		FITTING, hose (order HOSE, 732 152 C1)
18	732 153 C2	HOSE, w/two FITTINGS, torque converter pump to pressure filter inlet (HOSE 1-1/4" ID x 84" long including FITTINGS)	43	9 410 208	CONNECTOR, transmission inlet
20	290 987 R1	"O" RING	44	307 915 R1	"O" RING
21	290 045 R1 24 850 R1 115 314	CLAMP-HALF, split flange (4) BOLT (8) WASHER (8)	45	219 657	NIPPLE, pipe
22	309 874 R1 140 483 H 25 544 R1	CLAMP (at tower) BOLT WASHER, flat	46	192 090	COUPLING, pipe
23	309 874 R1 24 621 R1 24 840 R1 25 544 R1 115 093 25 522 R1	CLAMP (at front seat support) (2) BOLT, 2-1/4" long BOLT, 1" long WASHER, flat (4) WASHER, lock (2) NUT (2)	47	9 402 828	ELBOW, transmission scavenging inlet
24		FITTING (order HOSE, 732 152 C1)	48		FITTING, hose (order HOSE, 606 433 C91)
25	732 152 C1	HOSE, w/two FITTINGS, pressure filter to transmission outlet (HOSE 1-1/4" ID x 63" long including FITTINGS)	49	606 433 C91	HOSE w/two FITTINGS, flywheel housing to transmission scavenging pump (5/8 ID x 32" long including FITTINGS)
26	343 909 R1	RING, sealing (2)	50	313 509 R91	FITTING, straight swivel hose
27	651 266 C1	BRACKET (2)	51	9 402 713	ADAPTER, suction filter manifold
33		FITTING, hose (order HOSE, 702 689 C1)	52	290 045 R1 24 850 R1 115 314	CLAMP-HALF, split flange (2) BOLT (4) WASHER, 7/16 lock (4)
			53	707 253 R1	"O" RING, hose flange
			54	700 284 C1 24 863 R1 116 121	HOSE w/FITTINGS, sump to suction filter manifold SCREW, hex-hd cap (2) WASHER, lock (2)
			55		FITTING, hose (order HOSE, 606 436 C91)
			56	9 410 981	ELBOW, torque converter (1" x 90°)

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TORQUE CONVERTER AND TRANSMISSION PIPING - Continued			72	308 872 R1	CLAMP, pressure filter hose
Power Shift 6058 and up			74	296 247 R1	"O" RING, 1.171 x 1.403 x .116"
57	296 247 R1	"O" RING	75	659 073 C1	TEE, safety filter
58	307 915 R1	"O" RING			
59	9 410 982	ELBOW, torque converter pump to filter hose (in torque converter pump outlet)			
60		FITTING, hose (order HOSE, 732 153 C2)			
61		FITTING, hose (order HOSE, 606 433 C91)			
62	9 402 711	CONNECTOR, flywheel housing drain outlet			
63		FILTER ASSEMBLY, pressure (Refer to "Pressure Filter")			
64	308 872 R1	CLAMP, lubricating regulator valve to suction filter hose (2)			
	25 522 R1	NUT			
	24 840 R1	SCREW, hex-hd cap			
	103 341	WASHER, flat (2)			
	115 093	WASHER, lock			
	608 178 C1	BRACKET, regulator drain to suction filter manifold hose clamp (on transmission cover flange bolt)			
	25 522 R1	NUT			
	101 896 R1	WASHER, flat (2)			
	115 093	WASHER, lock			
65	308 860 R1	CLIP, oil cooler to shuttle valve hose (mounted at gauge tube hole next to safety filter)			
67	290 987 R1	"O" RING, 1-3/4 x 2 x 1/8"			
68	308 872 R1	CLAMP, oil cooler to regulator valve hose			
	24 840 R1	SCREW, hex-hd cap			
	115 093	WASHER, lock			
69	309 929 R1	CLAMP, oil cooler to regulator valve hose			
	24 840 R1	SCREW, hex-hd cap			
	115 093	WASHER, lock			
70	308 872 R1	CLAMP, torque converter oil cooler inlet hose			
	24 840 R1	SCREW, hex-hd cap			
	115 093	WASHER, lock			
71	611 403 C1	MANIFOLD, suction filter (on torque converter)			
	25 507 R1	SCREW, hex-hd cap (2)			
	116 121	WASHER, lock (2)			

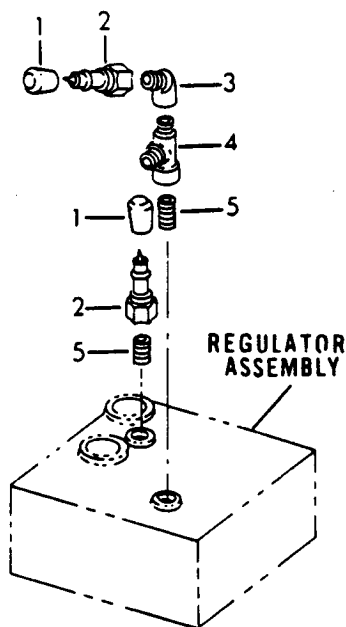
DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION
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REF. NO.	PART NUMBER	DESCRIPTION
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PRESSURE TEST CONNECTIONS

Power Shift 3315 to *

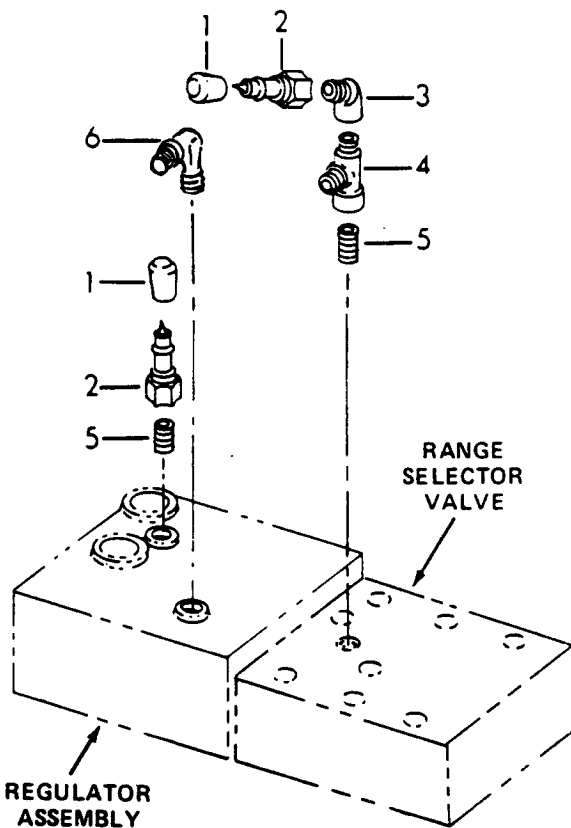


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- | | | |
|---|-------------|---|
| 1 | 715 477 C1 | COVER, coupling protective (Replaces 666 101 C1) (2) |
| 2 | 342 775 R91 | COUPLING, quick connective (L and M ports of Regulator valve)(Order COUPLING, 715 370 C1 and COVER, 715 477 C1) (2) |
| 2 | 715 370 C1 | COUPLING, quick connective ("L" and "M" ports of Regulator valve)(2) |
| 3 | 120 627 | ELBOW, 45° (M port) (optional with ELBOW, 106 649) |
| 3 | 106 649 | ELBOW, 45° (M port) (optional with ELBOW, 120 627) |
| 4 | | TEE, clutch oil pressure gauge tube (refer to "Instruments and Related Parts") |
| 5 | 105 404 | NIPPLE, 1/8" NPT x 3/4" (2) |

PRESSURE TEST CONNECTIONS

Power Shift * and up

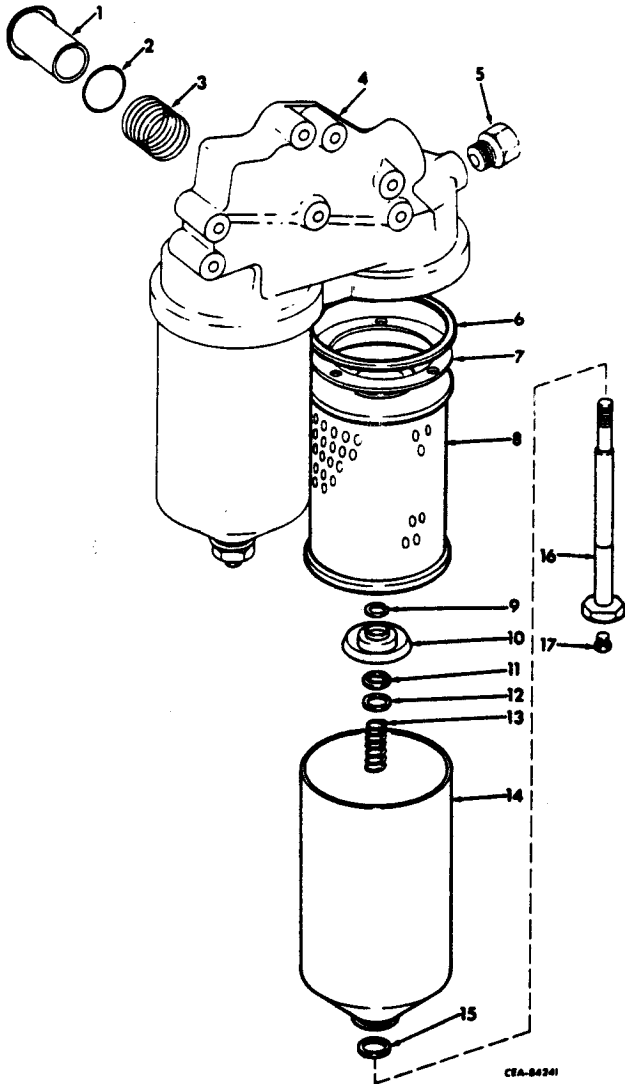


- | | | |
|---|---------------|--|
| 1 | 715 477 C1 | COVER, coupling protective (Replaces 666 101 C1) (2) |
| 2 | 342 775 R91 | COUPLING, quick connection ("L" port of regulator, "M" port of range selector)(Order COUPLING, 715 370 C1 and COVER, 715 477 C1) (2) |
| 2 | 715 370 C1 | COUPLING, quick connection ("L" port of regulator, "M" port of range selector) (2) |
| 3 | 444 178 | ELBOW, 45° "M" port on range selector |
| 3 | or
444 490 | ELBOW, 45° "M" post on range selector |
| 4 | 444 253 | TEE, 1/8" pipe "M" port on range selector to transmission control hose |
| 4 | or
444 550 | TEE, 1/8" pipe (forged) "M" port on range selector to transmission control hose |
| 5 | 105 404 | NIPPLE, 1/8 x 3/4", pipe (2) |
| 6 | | ELBOW, clutch oil pressure gauge tube (refer to Instruments and Related Parts) |

(*) Serial Number Not Available

DRIVE TRAIN

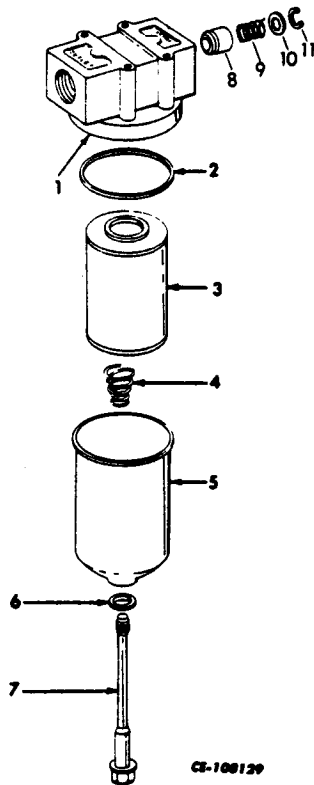
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
PRESSURE FILTER					
Power Shift 2915 and below					
			6	3 042 934 R1	"O" RING (2)
			7	319 934 R1	PLATE, base (2)
			8	319 926 R91	PACKAGE, filter element field service (consists of ELEMENT and "O" RING, 3 042 934 R1) (optional w/PACKAGE, 613 798 C91) (2)
			8	613 798 C91	PACKAGE, filter element field service (consists of ELEMENT and "O" RING, 3 042 934 R1) (optional w/PACKAGE, 319 926 R91) (2)
			9		WASHER (Not Furnished Separately)
			10		RETAINER, element (Not Furnished Separately)
			11	302 571 R1	GASKET, element retainer (2)
			12	302 570 R1	WASHER, spring (2)
			13	313 021 R1	SPRING, element retainer (2)
			14		SHELL (Not Furnished Separately)
			15	302 567 R1	GASKET, center stud (2)
			16	319 930 R1	STUD, center (2)
			17	444 613	PLUG, center stud (2)
				319 937 R1	GASKET, oil pressure switch
				319 936 R1	"O" RING, oil pressure switch



- 702 597 C91 FILTER ASSY, pressure
 24 858 R1 SCREW, hex-hd cap (3)
 115 314 WASHER, lock (3)
 (Consists of -
- 1 319 933 R91 VALVE, by-pass
 - 2 319 939 R1 GASKET, by-pass VALVE
 - 3 606 213 C1 SPRING, by-pass VALVE
 - 4 319 935 R91 BASE, filter
 - 5 319 941 R91 SWITCH w/GASKET, 319 937 R1, and "O" RING, 319 936 R1, oil pressure

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
PRESSURE FILTER Power Shift 2916 to 6057			1		BASE ASSY, filter (Not Furnished Separately) (Composed of -
				1 RING	338 835 R1
				1 SPRING	622 663 C1
				1 VALVE	706 950 C1
				1 WASHER	103 343)
2	3 042 934 R1	"O" RING, 5 x 5-1/2 x 1/4"			
3	631 144 C3	ELEMENT, filter			
4	471 633 R1	SPRING			
5	631 145 C1	BODY, filter			
6	619 814 C1	GASKET, bolt			
7	631 143 C1	BOLT, filter			
8	706 950 C1	VALVE, filter by pass			
9	622 663 C1	SPRING			
10	103 343	WASHER			
11	338 835 R1	RING, retaining			

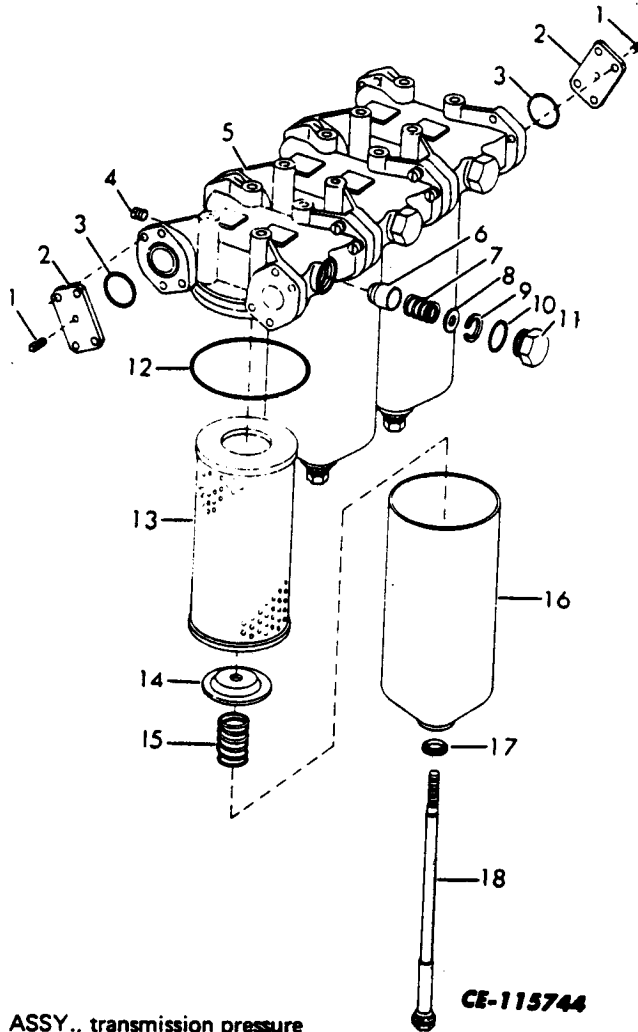


706 630 C93 FILTER ASSY, transmission oil (2)
 140 483 H SCREW, hex-hd cap (4)
 115 093 WASHER, lock (4)
 103 341 WASHER, flat (4)
 (Composed of -

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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PRESSURE FILTER
Power Shift 6058 and up



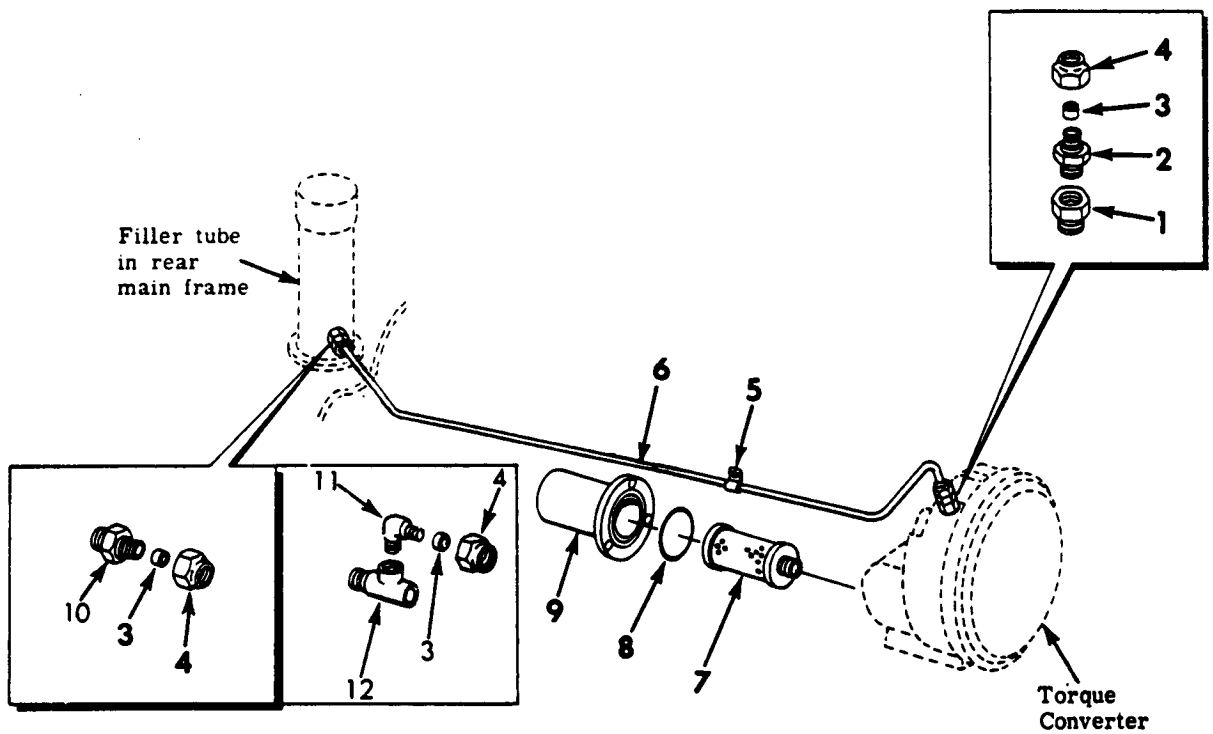
CE-115744

		FILTER ASSY., transmission pressure			
	24 840 R1	BOLT (6)	6	706 950 C1	VALVE, filter by-pass (3)
	25 544 R1	WASHER, hardened (6)	7	622 663 C2	SPRING, by-pass valve (3)
1	444 692	(Consists of the following parts -			
	or	PLUG (2)	8	103 343	WASHER, flat (3)
1	444 619	PLUG (2)	9	338 835 R1	RING, retaining (3)
	or		10	296 247 R1	RING, sealing (3)
1	444 576	PLUG (2)	11	9 410 363	PLUG (3)
2	637 440 C1	COVER, sealing (2)	12	3 042 934 R1	RING, body sealing (3)
	27 945 R1	SCREW, socket hd. 3/4" long (2)	13	1 140 079 C1	ELEMENT, filter (3)
	27 946 R1	SCREW, socket hd. 1-1/2" long (6)	14	1 140 078 C1	SUPPORT, element (3)
	115 314	WASHER, lock (8)	15	1 140 077 C1	SPRING, element (3)
	25 524 R1	NUT (6)	16	631 145 C1	BODY, element (3)
3	343 909 R1	RING, sealing (2)	17	619 814 C1	WASHER, bolt sealing (3)
4	444 692	PLUG (3)	18	631 143 C1	BOLT, element body (3)
5	715 385 C91	BASE, filter (3)			
		(Consists of -			
		1 BASE			
		1 RING			
		1 SPRING			
		1 VALVE			
		1 WASHER			
	27 946 R1	BOLT, soc-hd (12)			
	343 909 R1	RING, sealing (4)			
	115 314	WASHER, lock (12)			

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TORQUE CONVERTER VENTING AND SUCTION FILTER (For Power Shift Crawler Tractors)



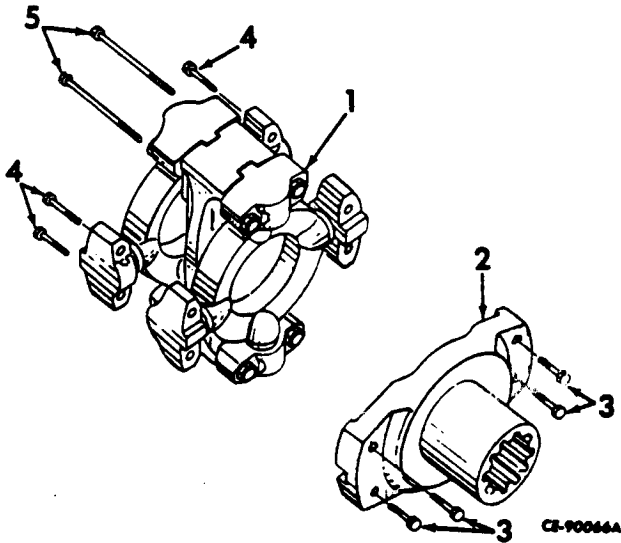
CE-90017 B

1	144 033	BUSHING, torque converter to main frame filler neck breather tube reducer	6	617 992 C11	TUBE w/two SLEEVE, 265 204 R1, and two NUT, 265 205 R1, torque converter to main frame filler neck breather
2	606 819 C1	CONNECTOR, torque converter to main frame filler neck breather	7	324 353 R91	ELEMENT, torque converter suction oil filter
3	265 204 R1	SLEEVE, tube (2)	8	393 120 R1	"O" RING, torque converter suction oil filter
4	265 205 R1	NUT, tube (2)	9	617 954 C1	CASE, torque converter suction oil filter
5	338 258 R91	CLIP, torque converter tube		140 483 H	SCREW, hex-hd cap (3)
				115 093	WASHER, lock (3)
				118 775	WASHER, flat
			10	606 819 C1	CONNECTOR, main fram filler neck breather (Used w/VALVE, 700 030 C92)
			11	606 845 C1	ELBOW, main frame filler neck breather (Used w/VALVE, 733 763 C91)
			12	454 145	TEE, main frame filler neck breather (Used w/VALVE, 733 763 C91)

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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"U" JOINT AND YOKE
(For Power Shift Crawler Tractors)



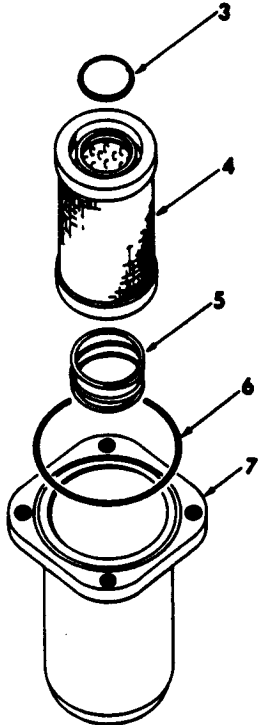
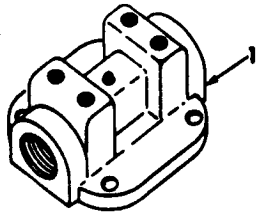
1	702 952 C91	KIT, journal and bearing (2) (Composed of - § 1 JOURNAL CROSS § 4 JOURNAL BEARING ASSYS.)
2	617 937 C1 317 809 R91	YOKE, universal joint adapter CAP, yoke
3	80 290 R1 103 323	SCREW, NF hex-hd cap (4) WASHER, lock (4)
4	80 290 R1 103 323	SCREW, NF hex-hd cap ("U" JOINT ASSY to output yoke) (4) WASHER, lock (4)
5	23 323 R1 116 121 25 527 R1	SCREW, hex-hd cap (4) WASHER, lock (4) NUT, NF (4)
	702 001 C91	"U" JOINT ASSY, (Includes Ref. Nos. 1 and 5) (Not for artic power shift)
	650 438 C91	"U" JOINT ASSY, (Includes Ref. Nos. 1 and 5) (For artic power shift)

5 - Not Furnished Separately.

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION
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SAFETY FILTER
Power Shift 3569 and below



CE-89497

REF. NO.	PART NUMBER	DESCRIPTION
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4	346 821 R91	ELEMENT w/"O" RING, 708 560 R1, filter (Filter A)
4	619 214 C1	ELEMENT w/"O" RING, 708 560 R1, filter (Filter B)
5	346 822 R1	SPRING
6	354 836 R1	"O" RING, 3-1/4 x 3-1/2 x 1/8"
7		BODY, filter (Not Furnished Separately)
	445 684	PLUG, 1/8" pipe

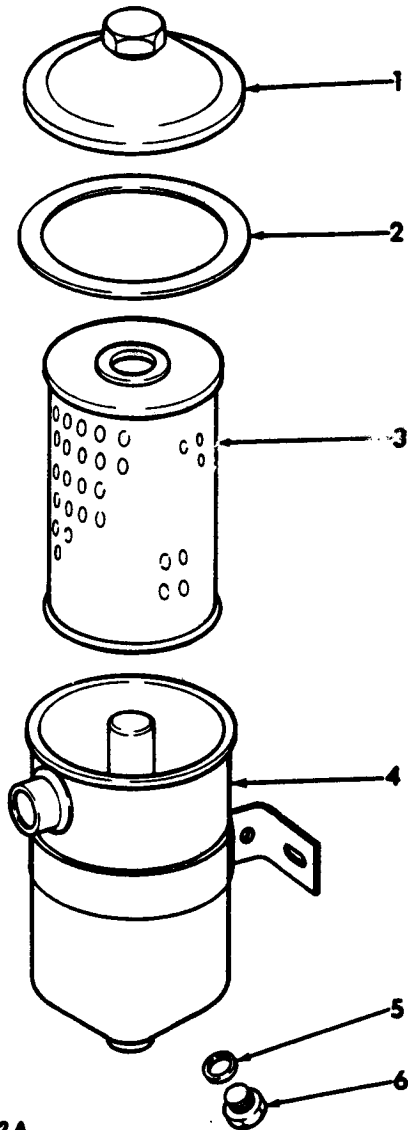
A	610 795 C91	FILTER ASSEMBLY, safety Power Shift 2117 and below
B	659 065 C91	FILTER ASSEMBLY, safety Power Shift 2118 to 3569
	25 496 R1	SCREW, hex-hd cap (4)
	115 093	WASHER, lock (4) (Consists of -
1		HEAD, filter (Not Furnished Separately)
3	708 560 R1	"O" RING, 1-5/16 x 1-9/16 x 1/8"

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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SPROCKET DRIVE OIL FILTER

Power Shift 6279 and below
Manual Shift 6279 and below



2	42 371 DB	GASKET, sprocket drive oil filter cover (Optional with 218 023 R2) (2)
2	218 023 R2	GASKET, sprocket drive oil filter cover (Optional with 42 371 DB) (2)
3	603 711 C92	ELEMENT w/GASKET, 42 371 DB, sprocket drive oil filter (2)
4		CASE, sprocket drive oil filter (Not Furnished Separately) (2)
5	603 956 C1	GASKET, sprocket drive oil filter case drain plug (2)
6	42 368 D	PLUG, sprocket drive oil filter case drain (2)

IPA-78032 A

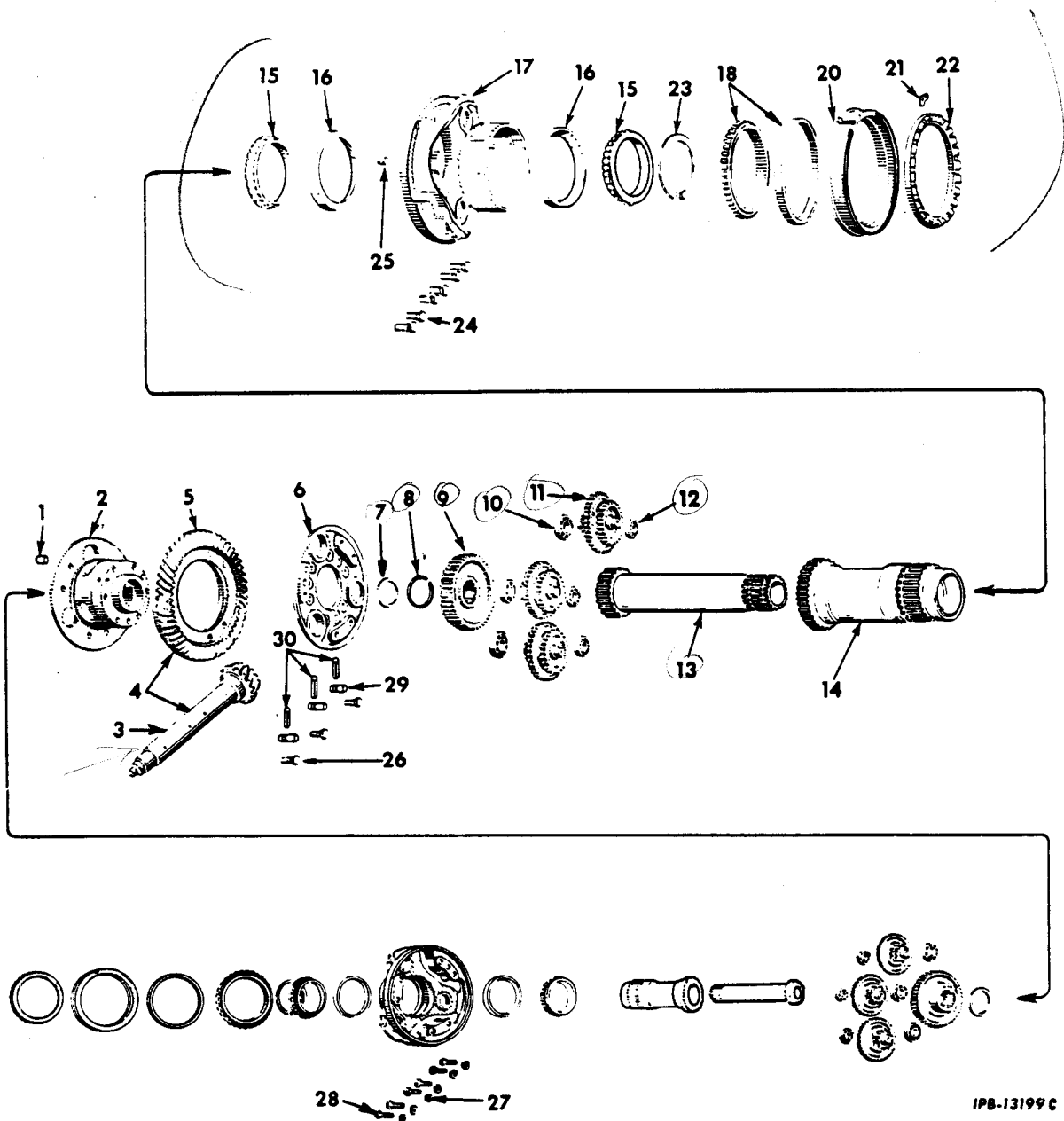
603 825 C91	FILTER ASSEMBLY, sprocket drive oil (2) (Includes Ref. Nos. 1 thru 6)
25 522 R1	NUT (8)
24 839 R1	SCREW, hex-hd cap (8)
115 093	WASHER, lock (8)
103 341	WASHER, flat (8)

1	914 951 R91	COVER, sprocket drive oil filter (2)
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DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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PLANET POWER DRIVE



IPB-13199 C

1	604 820 C1	DOWEL, bevel gear center carrier (2)	4	705 115 C91	PINION and SHAFT w/GEAR, drive bevel (Order PINION and SHAFT, 705 111 C1 and GEAR, 705 110 C1) (±)
2		CARRIER, bevel gear center (order field service PACKAGE, 703 574 C91)			(±) - For Power Shift Crawler Tractors.
3	309 523 R1	PINION w/SHAFT, bevel (13T) (-)			(-) - For Manual Shift Crawler Tractors.
3	705 111 C1	PINION and SHAFT w/BUSHING, bevel (±)			

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
PLANET POWER DRIVE - Continued					
4	309 524 R91	PINION and SHAFT, 309 523 R1, w/GEAR, 309 522 R1, drive bevel (matched pair) (-)	22	252 133 R2	NUT, bevel gear carrier bearing adjusting (2)
5	617 036 C1	GEAR, drive bevel (50-T) (Order GEAR, 705 110 C1 and BAFFLE, 604 156 C21) (±)	23	617 968 C1 or	RING, low speed sun gear retainer (heavy) (2)
5	705 110 C1	GEAR, drive bevel (50-T) (±)	23	617 969 C1 or	RING, low speed sun gear retainer (medium) (2)
5	309 522 R1	GEAR, drive bevel (50-T) (-)	23	617 970 C1	RING, low speed sun gear retainer (light) (2)
6		COVER, bevel gear carrier (order field service PACKAGE, 703 575 C91)	24	25 870 R1	BOLT, NF bevel gear and carrier (3)
7	274 875 R1	WASHER, bevel gear carrier center thrust (2)	24	609 799 C1	BOLT, bevel gear end carrier dowel (3)
8	252 096 R2	RING, sprocket drive shaft pinion gear snap (2)		619 600 C1	NUT, NF stop (Esna) (3)
9	617 974 C1	GEAR, sprocket drive shaft pinion (45-T) (2)	25	604 820 C1	DOWEL, bevel gear carrier (2)
10	734 265 C91 or	BEARING, planet gear cluster inner (Replaces, 266 957 R91)(6)	26	25 870 R1	BOLT, NF bevel gear carrier cover (6)
10	734 226 C91	BEARING, planet gear cluster inner(6)	27	619 600 C1	NUT, NF stop (Esna) (6)
11	604 880 C92	CLUSTER, planet gear (matched set) (12T, 25 ^o -33T, 25 ^o -24T, 25 ^o) (2)	28	267 975 R2	BOLT, drive bevel gear dowel (6)
12	734 265 C91 or	BEARING, planet gear cluster outer (Replaces, 266 957 R91)(6)	29	604 824 C1	DOWEL, bevel gear carrier grooved (oversized) (3)
12	734 226 C91	BEARING, planet gear cluster outer (6)	30	622 258 R1	PIN, bevel gear carrier grooved dowel retainer (3)
13	703 579 C1	GEAR, high speed sun (2)		703 573 C91	STEERING, differential and bevel gear assembly (for Power Shift Crawler Tractors)
14	703 580 C1	GEAR, low speed sun (2)			(Consists of the following parts -
15	271 841 R91	CONE, low speed sun gear bearing (4)			12 BEARING 734 265 C91
16	879 079 R1	CUP, low speed sun gear bearing (4)			or
17		CARRIER, bevel gear end (for carrier attached to carrier cover, order field service PACKAGE, 703 575 C91) (for carrier attached to center carrier, order field service PACKAGE, 703 574 C91) (2)			12 BEARING 734 265 C91
18	654 803 C91	BEARING, bevel gear carrier (will work for CONE, 252 398 R91 and CUP, 252 399 R1) (When replacing CUP, 252 399 R1 or CONE, 252 398 R91 on either side of carrier, both sides must be replaced with new BEARING, 654 803 C91) (2)			2 BEARING 615 944 C91
20	620 122 C2	CAGE, bevel gear carrier bearing (2)			6 BOLT 267 975 R2
21	252 134 R1	LOCK, bevel gear carrier bearing adjusting nut (2)			3 BOLT 609 799 C1
	25 496 R1	SCREW, hex-hd cap (4)			§ 1 CARRIER
	115 093	WASHER, lock (4)			§ 2 CARRIER
					2 CLUSTER 604 880 C92
					4 CONE 271 841 R91
					§ 1 COVER
					4 CUP 879 079 R1
					2 DOWEL 604 820 C1
					3 DOWEL 604 824 C1
					1 DRAWING CZG 3388
					2 GEAR 617 974 C1
					2 GEAR 703 579 C1
					2 GEAR 703 580 C1
					9 NUT 619 600 C1
					3 PIN 622 258 R1
					2 RING, inner 617 964 C1
					2 RING, outer 479 665 R1
					2 RING 22 716 R1
					2 RING 617 968 C1
					or
					2 RING 617 969 C1
					or
					2 RING 617 970 C1
					2 WASHER 274 875 R1)
					(±) - For Power Shift Crawler Tractors.
					(-) - For Manual Shift Crawler Tractors.
					§ - Not Furnished Separately.

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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PLANET POWER DRIVE - Continued

624 352 C91		STEERING, differential and bevel gear assembly (for Manual Shift Crawler Tractors) (Consists of the following parts -			
	12	BEARING	734 265 C91		
		or			
	12	BEARING	734 226 C91		
	2	BEARING	615 944 C91		
	6	BOLT	267 975 R2		
	3	BOLT	609 799 C1		
	§ 1	CARRIER			
	§ 2	CARRIER			
	2	CLUSTER	604 880 C92		
	4	CONE	271 841 R91		
	4	CUP	879 079 R1		
	2	DOWEL	604 820 C1		
	3	DOWEL	604 824 C1		
	1	DRAWING	CZG 3388		
	2	GEAR	617 974 C1		
	2	GEAR	703 579 C1		
	2	GEAR	703 580 C1		
	9	NUT	619 600 C1		
	3	PIN	622 258 R1		
	2	RING	617 964 C1		
	2	RING	479 665 R1		
	2	RING	22 716 R1		
	2	RING	617 968 C1		
		or			
	2	RING	617 969 C1		
		or			
	2	RING	617 970 C1		
	2	WASHER	274 875 R1)		
703 575 C91		PACKAGE, carrier end and cover field service (x) (Consists of -			
	§ 1	CARRIER			
	§ 1	COVER			
	2	DOWEL	604 820 C1		
	3	DOWEL	604 824 C1)		
703 574 C91		PACKAGE, carrier end and center field service (x) (Consists of -			
	§ 1	CARRIER			
	§ 1	CARRIER			
	2	DOWEL	604 820 C1		
	3	DOWEL	604 824 C1)		

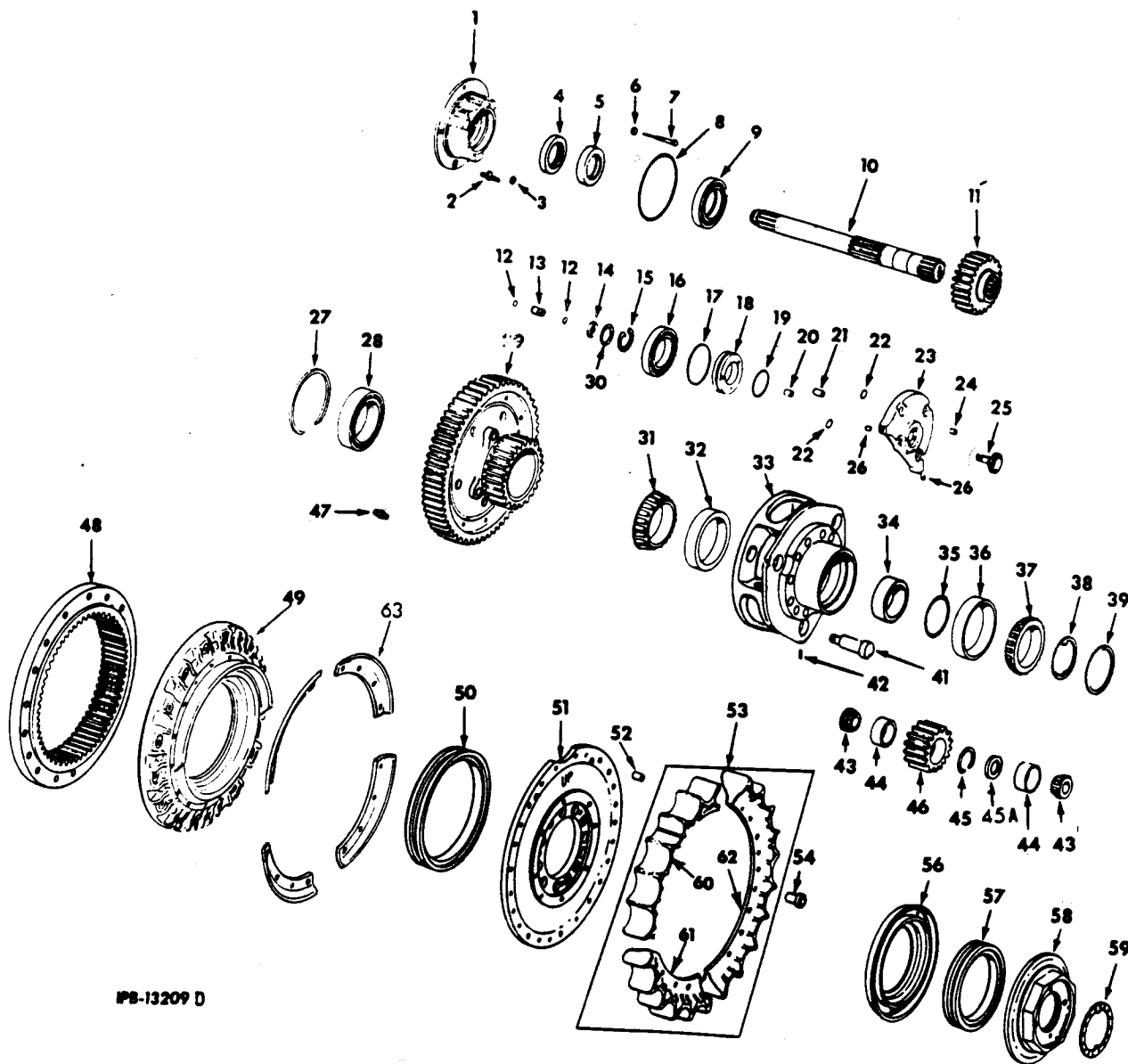
(x) - As Required.

§ - Not Furnished Separately.

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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SPROCKET DRIVE AND SPROCKET



IPB-13209 D

1	603 457 C2	RETAINER, pinion inner bearing (2)	5	617 938 C1 22 411 R1	SHIELD, pinion shaft oil seal (2) RING, sealing (2)
2	341 847 R1 18 452 R1	STUD, pinion retainer eccentric (4) NUT, NF stop (8)	6	308 761 R1	WASHER, pinion inner bearing retainer bolt (6)
3	308 761 R1	WASHER, pinion retainer stud (4)	7	316 574 R3 103 374	BOLT, pinion inner bearing retainer (6) PIN, cotter (6)
4	267 616 R91	OIL SEAL, pinion shaft outer (2)			

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
SPROCKET DRIVE AND SPROCKET - Continued			23	604 288 C11	HOUSING ASSEMBLY, RH sprocket drive lubricating oil pump (Composed of - 1 BUSHING 603 827 C1 § 1 HOUSING 1 PIN 19 756 R1 1 PIN 19 781 R1 2 PLUG 444 660)
8	254 092 R1	"O" RING, pinion bearing retainer (10 x 10-1/4 x 1/8") (2)		25 053 R1	SCREW, NF hex-hd cap (3)
9	603 527 C91	BEARING, sprocket drive pinion shaft (inner) (2)		24	19 756 R1 PIN, coiled spring (sprocket drive lubricating oil pump housing) (2)
10	617 960 C1	SHAFT, sprocket drive pinion (2)		25	PUMP, sprocket drive lubricating oil (Refer to "Sprocket Drive Lubricating Oil Pump") (2)
11	316 702 R2	PINION, sprocket drive (2) Manual Shift 3300 and below Power Shift 3300 and below		25 493 R1	SCREW, hex-hd cap (6)
11	628 329 C1	PINION, sprocket drive (2) Manual Shift 3301 and up Power Shift 3301 and up		116 120	WASHER, lock (6)
12	254 691 R1	"O" RING, lubricating oil pump drive coupling (13/16 x 1/8 x 1-1/16") (4)	26	444 660	PLUG, 3/8" soc-hd pipe (sprocket drive lubricating oil pump housing)(4)
13	604 289 C1	COUPLING, lubricating oil pump drive (2)	27	617 940 C1	RING, bearing snap (2)
14	604 283 C2	RETAINER, sprocket drive pinion shaft (2)	28	625 374 C93	BEARING, final drive gear carrier (2)
	25 331 R1	SCREW, hex-hd cap (4)	29	617 939 C2	GEAR, sprocket drive bull and sun (2) Manual Shift 3300 and below Power Shift 3300 and below
15	314 917 R1	RING, sprocket drive pinion snap (2)	29	628 330 C1	GEAR, sprocket drive bull and sun (2) Manual Shift 3301 and up Power Shift 3301 and up
16	603 527 C91	BEARING, sprocket drive pinion shaft (outer) (2)		30	468 339 R1 "O" RING, 4 x 4-1/2 x 1/8" (2)
	604 015 C1	SCREW, pinion shaft outer bearing (2)		31	CONE, planet pinion carrier inner bearing (order BEARING, 716 802 C91) (2)
	114 503	NUT, jam (2)		32	CUP, planet pinion carrier inner bearing (order BEARING, 716 802 C91) (2)
17	285 453 R1	"O" RING, pinion outer bearing retainer (6-3/4 x 7 x 1/8") (2)		33	628 435 C91 CARRIER w/three PIN, 318 869 R1, planet pinion (2) Manual Shift 996 and below also 1166 and up (2) Power Shift 996 and below also 1166 and up
18	604 284 C1	RETAINER, pinion outer bearing (2)		33	624 484 C91 CARRIER w/three PIN, 318 869 R1, planet pinion (Order the following parts - 1 CARRIER 628 435 C91 1 CARRIER 617 941 C2 12 DOWEL 322 954 R3) (2) Manual Shift 997 to 1165 (2) Power Shift 997 to 1165
	27 349 R1	BOLT (6)		34	322 953 R3 SPACER, sprocket drive bearing (2)
19	369 862 R1	"O" RING, pinion outer bearing cap (2)			§ - Not Furnished Separately.
20	603 827 C1	BUSHING, sprocket drive lubrication oil pump housing (2)			
21	19 781 R1	PIN, coiled spring (sprocket drive lubricating oil pump housing) (2)			
22	350 667 R1	"O" RING, lubricating oil pump tube (4)			
23	604 287 C11	HOUSING ASSEMBLY, LH sprocket drive lubricating oil pump (Composed of - 1 BUSHING 603 827 C1 § 1 HOUSING 1 PIN 19 756 R1 1 PIN 19 781 R1 2 PLUG 444 660)			
	25 053 R1	SCREW, NF hex-hd cap (3)			

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
SPROCKET DRIVE AND SPROCKET - Continued			50	662 588 C91	SEAL, sprocket drive inner (Chicago Rawhide) (2)
35	264 681 R1	"O" RING, planet pinion carrier outer roller bearing (6-1/2 x 6-3/4 x 1/8") (2)	50	or 716 688 C91	SEAL, sprocket drive inner (Crane Packing Co.) (2)
36		CUP, planet pinion carrier outer bearing (order BEARING, 716 808 C91) (2)	50	662 627 C91	KIT, sprocket drive inner seal rebuilding (consists of two Belleville washers, two wipers and installation instructions) (Service Kit for SEAL 662 588 C91) (X)
37		CONE, planet pinion carrier outer bearing (order BEARING, 716 808 C91) (2)	50	716 689 C91	KIT, sprocket drive inner seal rebuilding (consists of two "J" Rings, two wipers and installation instructions) (Service Kit for SEAL 716 688 C91) (X)
38	316 718 R1	WASHER, sprocket drive outer bearing retainer (2)	51	617 941 C2	CARRIER, sprocket (2) Manual Shift 996 and below also 1166 and up (2) Power Shift 996 and below also 1166 and up
39	264 228 R2	RING, sprocket drive outer bearing plate sealing (2)	51	624 486 C1	CARRIER, sprocket (Order the following parts - 1 CARRIER 628 435 C91 1 CARRIER 617 941 C2 12 DOWEL 322 954 R3 (2) Manual Shift 997 to 1165 (2) Power Shift 997 to 1165
41	316 712 R2	SHAFT, planet pinion bearing (order SHAFT 716 819 C1, SPACER 716 820 C1 and DRAWING C2G3274) (6)	51	624 487 C1	BOLT, sprocket carrier (24) Manual Shift 1165 and below (24) Power Shift 1165 and below
41	716 819 C1 709 926 C1	SHAFT, planet pinion bearing (6) NUT, planet pinion bearing shaft lock (6)	52	616 496 C1	PIN, sprocket rim location (used w/CARRIER, 617 941 C1) (4)
42	318 869 R1	PIN, planet pinion bearing shaft lock (6)	53	617 942 C4	RIM, sprocket (consists of three segments) (2) (illustrated RIM is three segments) (For RIM w/two segments use - NUT, 7/8" (Type 8) (50) SCREW, 7/8 x 3" hex-hd cap (Type 8) (50) (For RIM w/three segments use - NUT, 7/8" (phc) (Type 8) (54) SCREW, 7/8 x 3" hex-hd cap (phc) (Type 8) (54) WASHER, flat (108)
43	317 960 R91	CONE, planet gear roller bearing (order BEARING 716 812 C91 and SPACER 716 820 C1) (12)	53	662 551 C2	RIM, narrow sprocket (consists of three segments) (Part of ATTACHMENT, 632 193 C91) (2) NUT (54) SCREW, hex-hd cap (54) WASHER, flat (108)
43		CONE, planet gear roller bearing (order BEARING 716 812 C91) (12)	54	322 954 R3	DOWEL, planet gear carrier (standard) (24) Manual Shift 996 and below also 1166 and up (24) Power Shift 996 and below also 1166 and up
44	317 959 R1	CUP, planet gear roller bearing (order BEARING 716 812 C91 and SPACER 716 820 C1) (12)		19 925 R1 223 472	
44		CUP, planet gear roller bearing (order BEARING 716 812 C91) (12)		25 530 R1 25 738 R1	
45	314 915 R1	RING, planet gear snap (6)		277 606 R1	
45A	716 820 C1	SPACER, bearing cone (used w/ BEARING 716 812 C91) (6)			
46	331 260 R02 321 257 R3	GEAR w/RING, 314 915 R1, planet (6)			
47	25 961 DA	FITTING, straight lubrication (2)			
48	617 921 C3	GEAR, sprocket drive ring (2)			
49	617 922 C2	COVER, final drive (order 1 COVER, 628 185 C1 and 18 SCREWS, 20 941 R1) (2)			
	22 261 R1 13 611 VA	SCREW, hex-hd cap (36) WASHER, hardened (36)			
49	659 717 C1 25 964 R1 13 611 VA	COVER, final drive (2) SCREW, hex-hd cap (36) WASHER, hardened (36)			

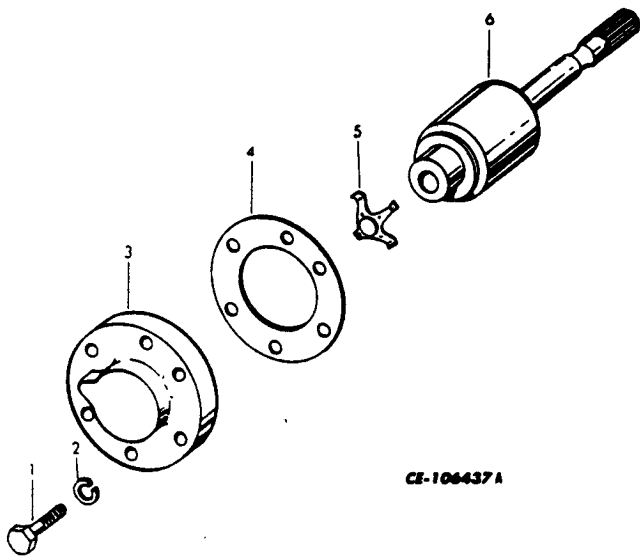
DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
SPROCKET DRIVE AND SPROCKET - Continued			57	662 610 C92	KIT, sprocket drive seal (consists of two washers, two wipers and instruction pamphlet) (Service Kit for SEAL 662 587 C92)
54	341 854 R2	DOWEL, planet gear carrier (.015" oversized) (X) Manual Shift 996 and below also 1166 and up (X) Power Shift 996 and below also 1166 and up	58	607 549 C1	NUT, sprocket drive outer bearing retainer (order PACKAGE, 628 198 C91) (2) Manual Shift 1874 and below (2) Power Shift 1874 and below
54	341 855 R2	DOWEL, planet gear carrier (.030" oversized) (X) Manual Shift 996 and below also 1166 and up (X) Power Shift 996 and below also 1166 and up	58	607 549 C3	NUT, sprocket drive outer bearing retainer (2) Manual Shift 1875 and up (2) Power Shift 1875 and up
54	322 961 R4	DOWEL, planet gear carrier (.045" oversized) (X) Manual Shift 996 and below also 1166 and up (X) Power Shift 996 and below also 1166 and up	59	316 720 R1	PLATE, sprocket drive outer bearing retainer nut lock (2)
				24 859 R1	SCREW, hex-hd cap (4)
				114 608	WASHER, external-tooth lock (4)
			60		SEGMENT (Not Furnished Separately)
54	341 856 R2	DOWEL, planet gear carrier (.060" oversized) (X) Manual Shift 996 and below also 1166 and up (X) Power Shift 996 and below also 1166 and up	61		SEGMENT (Not Furnished Separately)
			62		SEGMENT (Not Furnished Separately)
			63	659 718 C1	SECTOR, sprocket drive seal guard (if equipped) (8)
				24 859 R1	SCREW, hex-hd cap (32)
56	607 548 C2	RETAINER, sprocket drive outer seal (2) Manual Shift 996 and below (2) Power Shift 996 and below	628 198 C1		PACKAGE, sprocket drive service Manual Shift 1874 and below Power Shift 1874 and below (Consists of - 1 NUT 607 549 C3 1 RETAINER 624 485 C2 §1 RING
56	624 485 C1	RETAINER, sprocket drive outer seal (2) Manual Shift 997 to 1874 (2) Power Shift 997 to 1874	632 193 C91		ATTACHMENT, narrow sprocket (See NOTE 3) (Consists of - 54 NUT 25 530 R1 2 RIM 662 551 C2 54 SCREW 25 740 R1 108 WASHER 227 606 R1
56	624 485 C2	RETAINER, sprocket drive outer seal	716 802 C91		BEARING, planet pinion carrier inner (consists of CUP and CONE) (replaces 324 378 R91) (2)
	or		716 808 C91		BEARING, planet pinion carrier outer (consists of CUP and CONE) (replaces 324 379 R91) (2)
	624 485 C3	(2) Manual Shift 1875 and up (2) Power Shift 1875 and up	716 812 C91		BEARING, planet gear roller (consists of CUP and CONE) (12)
	24 860 R1	SCREW, 1/2 x 1" hex-hd cap (phc) (Type 8) (Used w/RETAINER, 624 485 C2) (16)			
	28 200 R1	BOLT, 1/2" x 1-1/8" (Used w/RETAINER, 624 485 C3)(Type 8)(16)			
	116 121	WASHER, 1/2" lock (phc) (16)			
57	662 600 C91	SEAL, sprocket drive (Crane) (2)			
	or				
57	662 594 C91	SEAL, sprocket drive (Chicago Rawhide) (2)			
	or				
57	662 587 C92	SEAL, sprocket drive (Cartriseal) (2)			
57	662 633 C91	KIT, sprocket drive seal (consists of two washers, two wipers and instruction pamphlet) (Service Kit for SEAL 662 600 C91) (X)			NOTE 3 - Field Application - Order Through Regular Service Parts Channels.
57	661 636 C91	KIT, sprocket drive seal (consists of two washers, two wipers and instruction pamphlet) (Service Kit for SEAL 662 594 C91) (X)			§ - Not Furnished Separately. (X) As Required

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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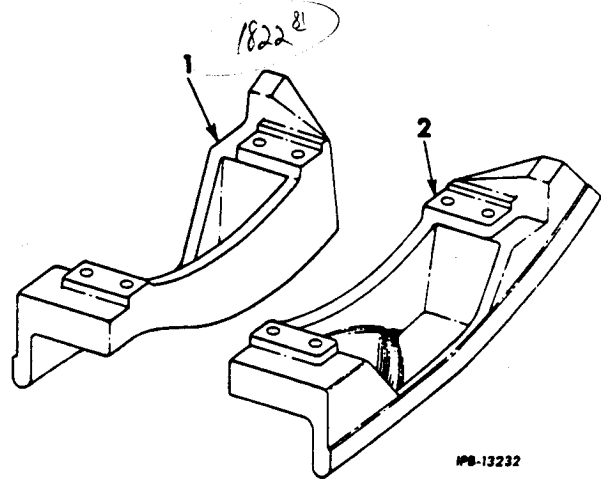
SPROCKET DRIVE LUBRICATING OIL PUMP



CE-106437A

	603 826 C92	PUMP ASSY, sprocket drive lubricating oil (Composed of -
1	25 493 R1	BOLT (6)
2	120 214	WASHER, lock (6)
3		COVER (Not Furnished Separately)
4	631 987 C1	GASKET, cover
5	634 999 C1	WASHER, thrust spring
6		ROTOR (Not Furnished Separately)

SPROCKET ROCK DEFLECTOR



PB-13232

	700 086 C91	ATTACHMENT, sprocket rock deflector (See NOTES 1 and 3)
1	617 285 C1	DEFLECTOR, RH sprocket rock
	25 741 R1	BOLT (2)
	25 918 R1	BOLT (2)
	25 540 R1	WASHER, flat (2)
2	617 284 C1	DEFLECTOR, LH sprocket rock
	25 741 R1	BOLT (2)
	25 918 R1	BOLT (2)
	25 540 R1	WASHER, flat (2)

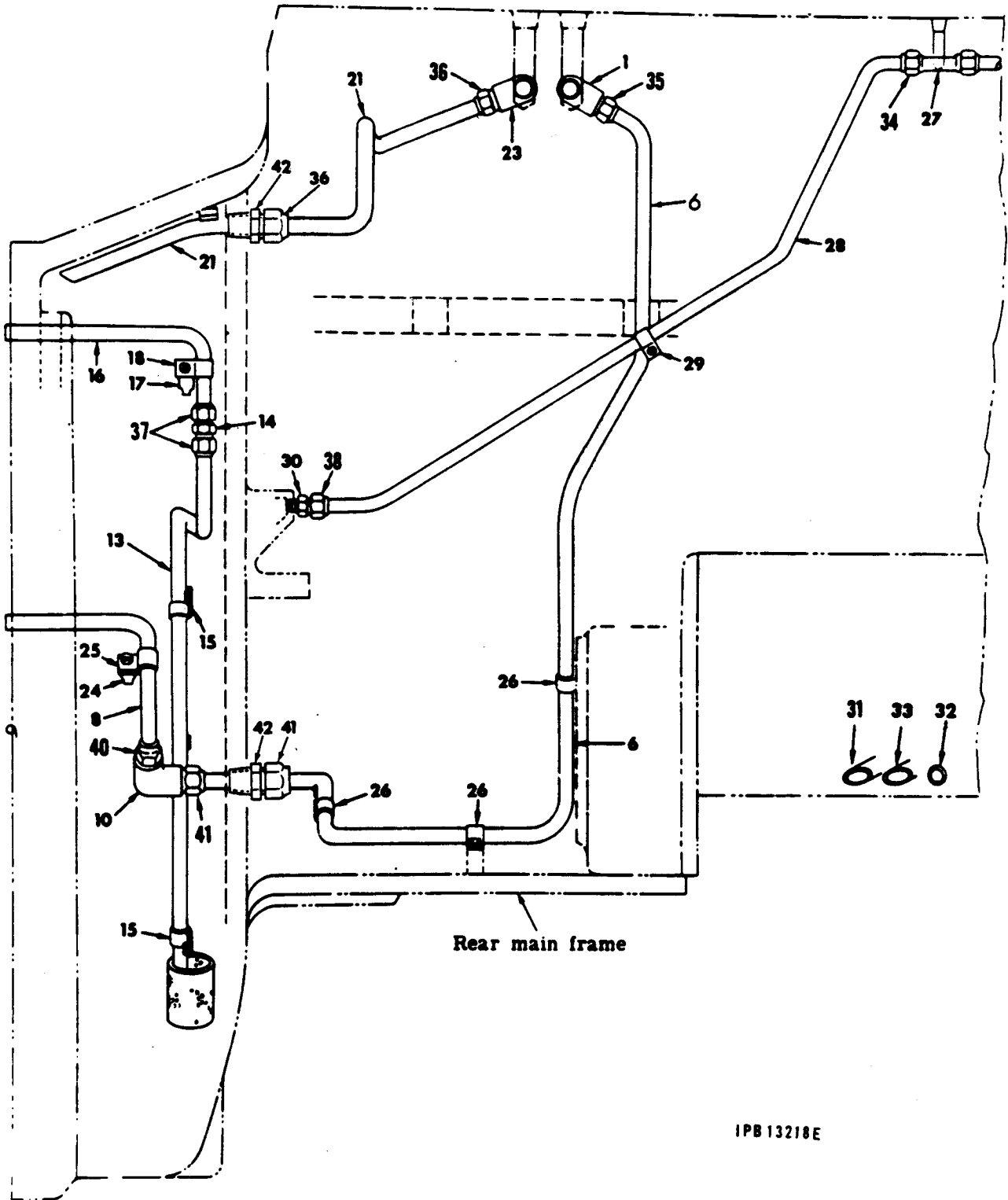
NOTE 1 - Factor Application -
Order on Machine Order Form.

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

MEMORANDA

DRIVE TRAIN

SPROCKET DRIVE OIL PIPING (In Rear Main Frame)



IPB 13218E

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
SPROCKET DRIVE OIL PIPING - Continued (In Rear Main Frame)			18	617 674 C1	CLAMP, suction tube (2)
1	603 921 C1	ELBOW, pressure tube (2)	21	617 670 C11	TUBE, LH sprocket drive oil filter return
6	624 783 C92	TUBE w/three SLEEVE, 313 455 C1, three NUT, 265 067 R1, and CONNECTOR, 620 402 C1, LH sprocket drive pressure (will work for TUBE, 617 668 C11, TUBE, 617 666 C11 and UNION, 603 868 C1)	21	617 671 C11	TUBE, RH sprocket drive oil filter return
			23	603 921 C1	ELBOW, filter return tube (2)
			24	703 031 C1 23 413 R1 103 343	CLIP, pressure tube (2) SCREW, Nylok hex-hd cap (2) WASHER, flat (2)
6	624 784 C92	TUBE w/three SLEEVE, 313 455 C1, three NUT, 265 067 R1, and CONNECTOR, 620 402 C1, RH sprocket drive pressure (will work for TUBE, 617 669 C11, TUBE, 617 667 C11, and UNION, 603 868 C1)	25	617 674 C1 27 406 R1 103 343	CLAMP, pressure tube (2) BOLT (2) WASHER, flat (2)
	603 868 C1	UNION, pressure tube (used with TUBES, 617 666 C11, 617 667 C11, 617 668 C11, and 617 669 C11) (2)	26	617 674 C1 27 876 R1 103 343	CLAMP, pressure tube (6) SCREW, Nylok hex-hd cap (replaces 321 964 R1) (6) WASHER (6)
	265 067 R1	NUT, tube (used w/UNION, 603 868 C1) (4)	27	703 032 C1	TEE, sprocket drive outer breather tube (+)
	265 066 R1	SLEEVE, tube (used w/UNION, 603 868 C1) (4)	28	624 476 C91	TUBE w/SLEEVE, 313 455 C1 and NUT, 265 067 R1, LH inner sprocket drive breather (order two PLUG, 445 751 and PLUG, 444 654)
8	617 664 C12	TUBE w/SLEEVE, 313 455 C1 and NUT, 265 067 C1, LH sprocket drive pressure (pump to elbow)	28	617 650 C11	TUBE w/two SLEEVE, 313 455 C1 and two NUT, 265 067 R1, LH inner sprocket drive breather (order two PLUG, 445 751 and PLUG, 444 654)
8	617 665 C12	TUBE w/SLEEVE, 313 455 C1 and NUT, 265 067 C1, RH sprocket drive pressure (pump to elbow)	28	624 477 C91	TUBE w/SLEEVE, 313 455 C1, and NUT, 265 067 R1, RH inner sprocket drive breather (order two PLUG, 445 751 and PLUG, 444 654)
10	703 033 C1	ELBOW, pressure tube (2)	28	617 651 C11	TUBE w/two SLEEVE, 313 455 C1, and two NUT, 265 067 R1, RH inner sprocket drive breather (order two PLUG, 445 751 and PLUG 444 654)
13	617 656 C12	TUBE w/SLEEVE, 313 455 C1 and NUT, 265 067 R1, LH sprocket drive suction (screen to union)	29	617 674 C1 321 964 R1 103 343	CLIP, inner breather tube (+) (2) SCREW, Nylok hex-hd cap (2) WASHER, flat (2)
13	617 657 C12	TUBE w/SLEEVE, 313 455 C1 and NUT, 265 067 R1, RH sprocket drive suction (screen to union)	30	310 985 R1	CONNECTOR, sprocket drive inner breather tube (used w/TUBE, 617 650 C11 and TUBE, 617 651 C11) (2)
14	603 868 C1	UNION, sprocket drive suction tube (2)	30	18 506 R1	CONNECTOR, sprocket drive inner breather tube (used w/TUBE, 624 476 C91 and TUBE, 624 477 C91) (2)
15	617 674 C1 27 876 R1	CLAMP, sprocket drive suction tube (4) SCREW, Nylok hex-hd cap (replaces 321 964 R1) (4)			
16	617 661 C12	TUBE w/SLEEVE, 313 455 C1 and NUT, 265 067 R1, LH sprocket drive suction (Union to pump)			
16	617 662 C12	TUBE w/SLEEVE, 313 455 C1 and NUT, 265 067 R1, RH sprocket drive suction (Union to pump)			
17	703 031 C1 23 413 R1 103 343	CLIP, suction tube (2) SCREW, Nylok hex-hd cap (2) WASHER, flat (2)			

(+) - Used with TUBE, 624 476 C91 and 624 477 C91 or 617 650 C11 and 617 651 C11.

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
SPROCKET DRIVE OIL PIPING - Continued (In Rear Main Frame)					
31	703 029 C1 350 818 R1 21 567 R1 103 342	TUBE, RH oil intake (*) "O" RING, intake tube SCREW, hex-hd cap (Nylok) WASHER, flat			
32	703 027 C1 350 818 R1 26 313 R1 103 342	TUBE, LH oil intake "O" RING, intake tube BOLT WASHER, flat			
33	703 028 C1 350 818 R1	TUBE, center oil intake (*) "O" RING, intake tube			
34	265 067 R1 313 455 C1	NUT, tube (2) SLEEVE, tube (replaces 265 066 R1) (2)			
35	265 067 R1 313 455 C1	NUT, tube (2) SLEEVE, tube (replaces 265 066 R1) (2)			
36	265 067 R1 313 455 C1	NUT, tube (4) SLEEVE, tube (replaces 265 066 R1) (4)			
37	265 067 R1 313 455 C1	NUT, tube (4) SLEEVE, tube (replaces 265 066 R1) (4)			
38	265 067 R1 313 455 C1	NUT, tube (used w/TUBE, 617 650 C11 and TUBE, 617 651 C11) (2) SLEEVE, tube (replaces 265 066 R1) (2)			
38	37 288 H	NUT, tube (used w/TUBE, 624 476 C91 and TUBE, 624 477 C91) (2)			
40	265 067 R1 313 455 C1	NUT, tube (2) SLEEVE, tube (replaces 265 066 R1) (2)			
41	265 067 R1 313 455 C1	NUT, tube (4) SLEEVE, tube (replaces 265 066 R1) (4)			
42	620 402 C1 445 751 444 654	CONNECTOR, tube support (4) PLUG, 1/2" (to plug LH and RH inside sprocket vent port) (2) 3594 and below PLUG, 1/4" (to plug outside sprocket vent port) 3594 and below			

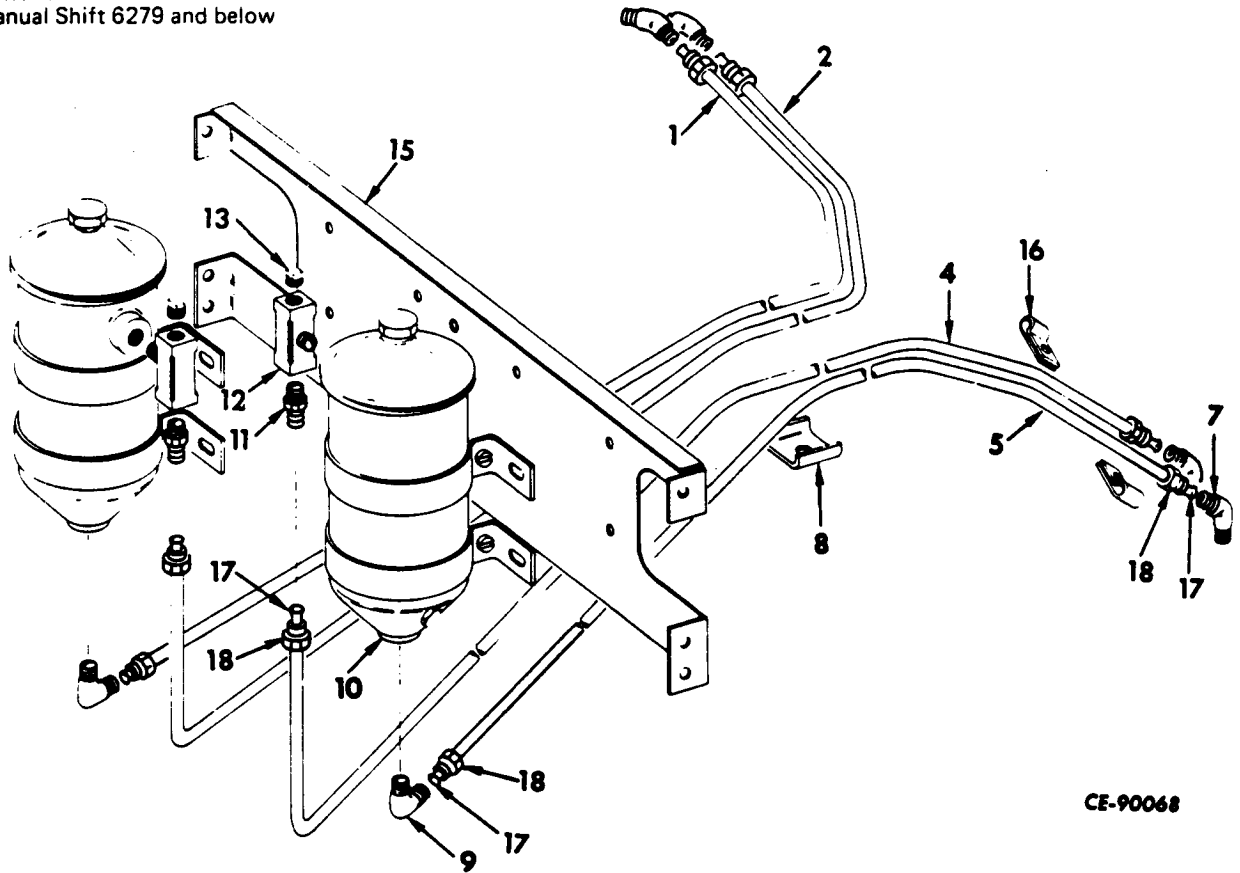
(*) - Used on Power Shift Crawler Tractors.

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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SPROCKET DRIVE OIL FILTERS, PIPING AND RELATED PARTS

Power Shift 6279 and below
Manual Shift 6279 and below



CE-90068

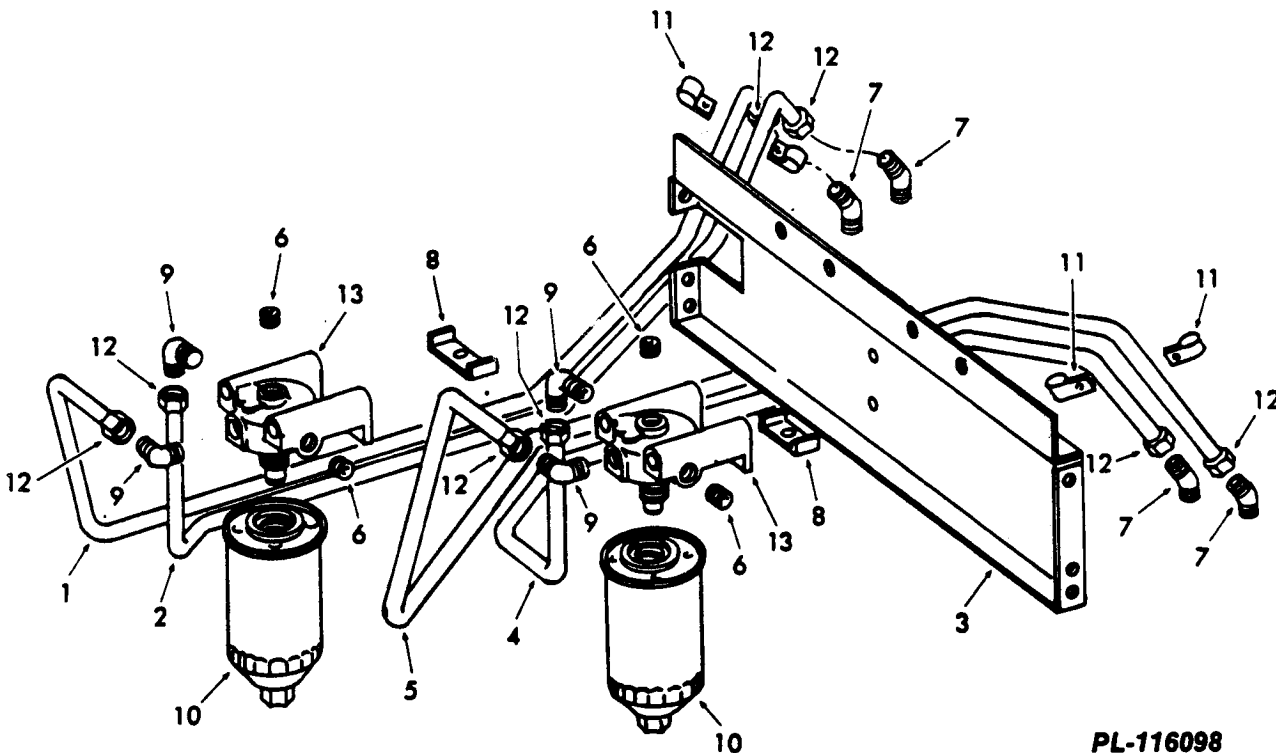
1	617 488 C12	TUBE w/two SLEEVE, 313 455 C1 and two NUT, 265 067 R1, RH sprocket drive oil filter to rear frame	9	603 921 C1	ELBOW, filter outlet (2)
2	617 489 C12	TUBE w/two SLEEVE, 313 455 C1 and two NUT, 265 067 R1, RH rear frame to sprocket drive oil filter	10		FILTER ASSEMBLY, sprocket drive oil (Refer to "Sprocket Drive Oil Filter") (2)
4	612 672 C12	TUBE w/two SLEEVE, 313 455 C1 and two NUT, 265 067 R1, LH rear frame to sprocket drive oil filter	11	310 985 R1	CONNECTOR, filter inlet (2)
5	612 673 C12	TUBE w/two SLEEVE, 313 455 C1 and two NUT, 265 067 R1, LH sprocket drive oil filter to rear frame	12	444 138	TEE, auto pipe (2)
7	613 615 C1	ELBOW, 1/2 x 45° tube (main frame end) (4)	13	103 880	PLUG, sq-hd pipe (2)
8	323 284 R1	CLAMP, sprocket drive oil filter tube (2)	15	604 279 C3	SUPPORT, lubricating oil filter
	25 522 R1	NUT (2)		25 522 R1	NUT (6)
	24 841 R1	SCREW, hex-hd cap (2)		24 839 R1	SCREW, hex-hd cap (6)
	115 093	WASHER, lock (2)		115 093	WASHER, lock (6)
			16	263 548 R1	CLAMP, sprocket drive oil filter tube (4)
				25 522 R1	NUT (2)
				24 839 R1	SCREW, hex-hd cap (2)
				115 093	WASHER, lock (2)
			17	313 455 C1	SLEEVE, tube (replaces 265 066 R1) (8)
			18	265 067 R1	NUT, tube (8)

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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SPROCKET DRILL OIL FILTERS, PIPING AND RELATED PARTS

Power Shift 6280 and up
Manual Shift 6280 and up



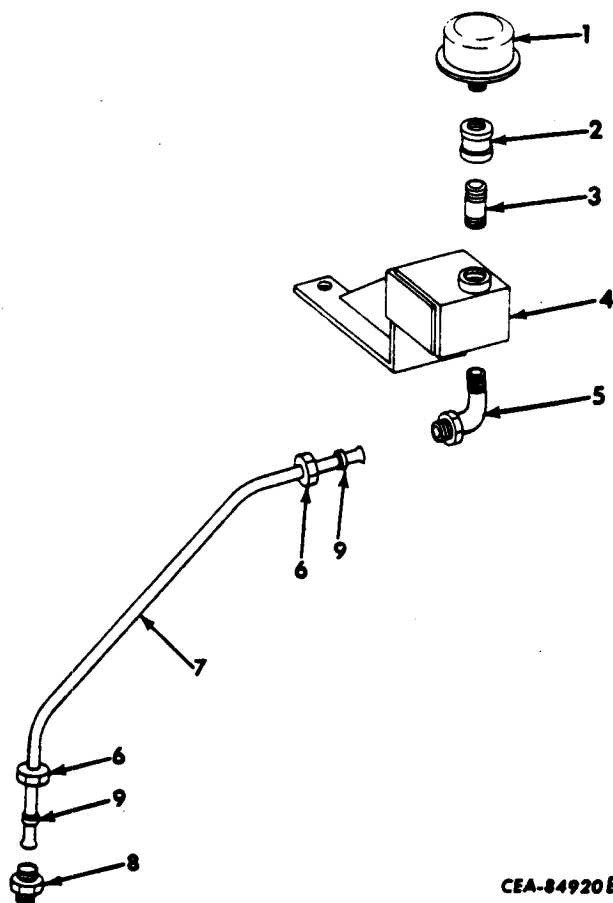
PL-116098

1	713 352 C91	TUBE, w/two SLEEVE 313 455 C1 and two NUT 265 067 R1, RH sprocket drive oil filter to rear frame	8	323 284 R1	CLAMP, sprocket drive oil filter tube (2)
				24 841 R1	BOLT (2)
				25 522 R1	NUT (2)
				115 093	WASHER, lock (2)
2	713 353 C91	TUBE, w/two SLEEVE 313 455 C1 and two NUT 265 067 R1, RH rear frame to sprocket drive oil filter	9	115 013 H1	ELBOW, filter outlet (4)
3	732 069 C1	SUPPORT, sprocket drive lube oil filter	10	709 014 C1	FILTER, sprocket drive oil (2)
	24 839 R1	BOLT (6)	11	263 548 R1	CLAMP, sprocket drive oil filter tube (4)
	25 522 R1	NUT (6)		24 839 R1	BOLT (2)
	115 093	WASHER, lock (6)		25 522 R1	NUT (2)
4	713 354 C91	TUBE, w/two SLEEVE 313 455 R1 and two NUT 265 067 R1, LH rear frame to sprocket drive oil filter		115 093	WASHER, lock (2)
5	713 355 C91	TUBE, w/two SLEEVE 313 455 R1 and two NUT 265 067 R1, LH sprocket drive oil filter to rear frame	12	265 067 R1	NUT, tube (8)
				313 455 C1	SLEEVE, tube (8)
6	444 624	PLUG (4)	13	713 351 C1	HEADER, filter (2)
7	613 615 C1	ELBOW, tube (main frame end) (4)		24 845 R1	BOLT (4)
				25 522 R1	NUT (4)
				115 093	WASHER, lock (4)
				118 775 R1	WASHER, flat (4)

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION
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SPROCKET DRIVE VENTING 3594 and below

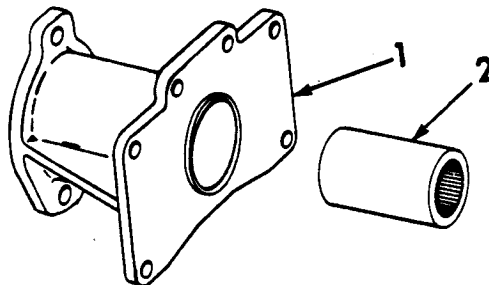


CEA-84920B

1	662 250 C1	BREATHER, final drive (together with COUPLING, 122 865 will work for BREATHER, 203 545 R91)
2	122 865	COUPLING, breather compartment pipe
3	219 333	NIPPLE, breather compartment
4	607 642 C91 297 330 R1	COMPARTMENT, final drive breather SCREW, hex-hd cap (Nylok) (2)
5	606 618 C1	ELBOW, sprocket drive breather
6	265 205 R1	NUT, tube (2)
7	617 933 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, outer sprocket drive breather
8	606 819 C1	CONNECTOR, sprocket drive outer breather tube
9	265 204 R1	SLEEVE, tube (2)

REF. NO.	PART NUMBER	DESCRIPTION
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HYDRAULIC PUMP DRIVE (For Manual Shift and Manual Shift Cushion Dozer Crawler Tractors Equipped with 2540) (Series C) Hydraulic Control Unit) Manual Shift 2037 and below



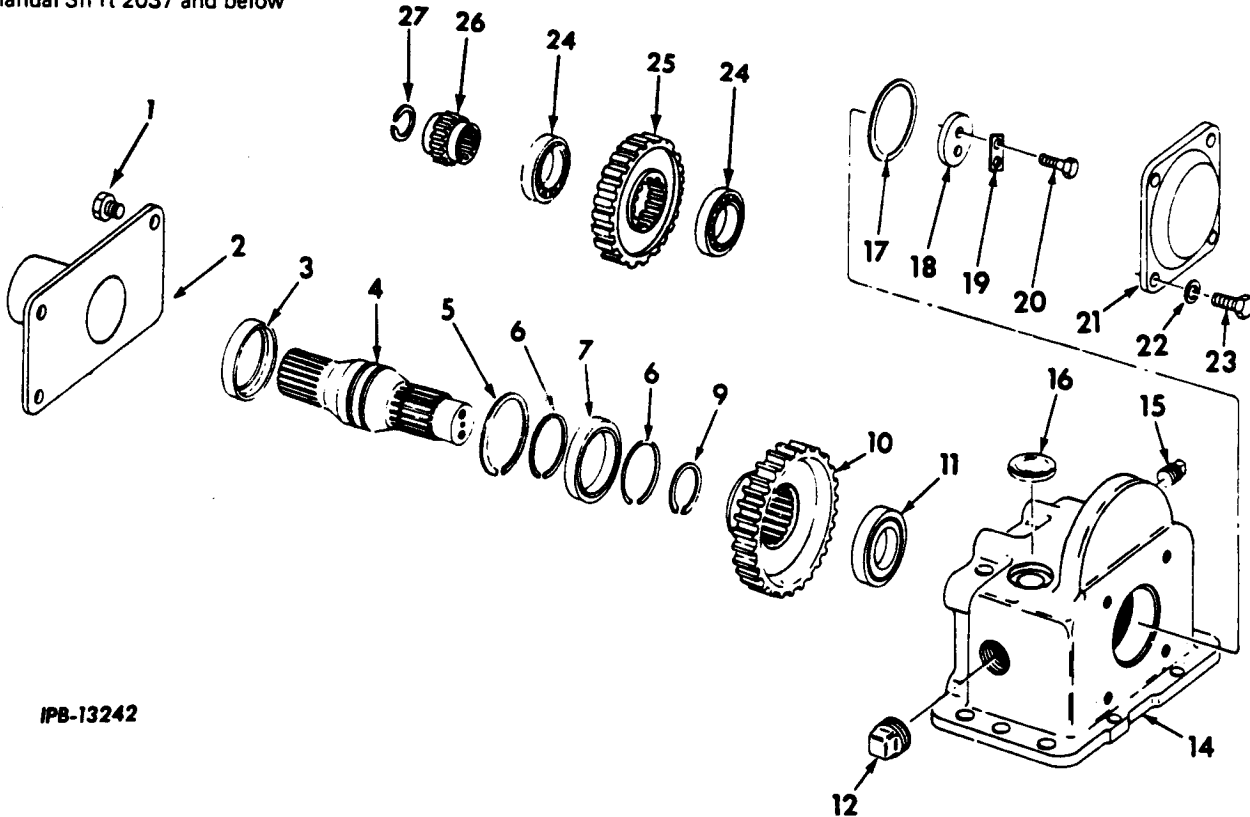
CE-90060

1	614 763 C2 25 508 R1	FLANGE, pump drive (mounted to PTO on Engine flywheel) SCREW, hex-hd cap (6)
2	614 764 C1	COUPLING, pump drive

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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POWER TAKE-OFF
 (For Manual Shift Crawler Tractors)
 Manual Shift 2037 and below



IPB-13242

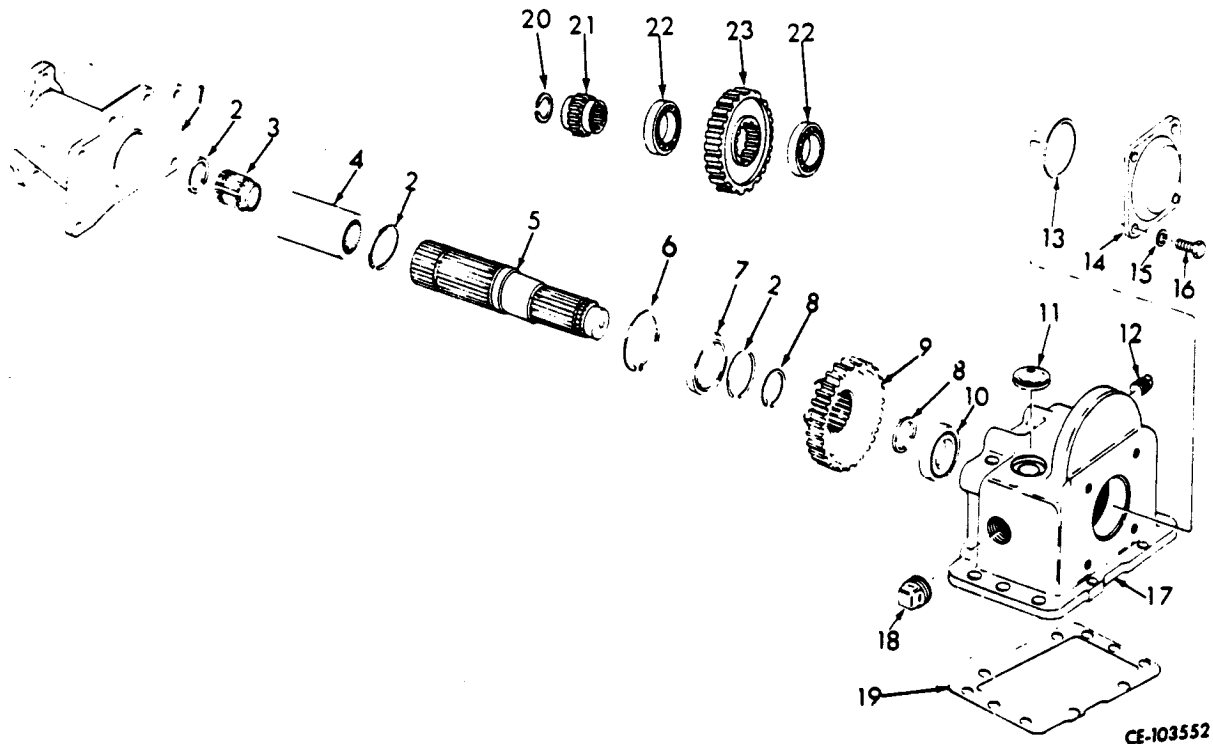
1	24 871 R1	SCREW, hex-hd cap (4)	15	444 783	PLUG, sq-hd pipe
2	703 506 C1	COVER, PTO shaft (*)	16	151 162 R1	PLUG, cup
3	291 222 C91	OIL SEAL	17	316 674 R1	RING, seal
4	614 761 C1	SHAFT, drive	18	49 178 DA	WASHER, retaining
5	41 659 D	RING, internal snap	19	45 558 DA	LOCK, bolt
6	614 762 C1	RING, external snap (2)	20	24 840 R1	SCREW, hex-hd cap (2)
7	ST-626 A	BEARING, ball	21	316 665 R1	CAP, end
9	359 894 R1	RING, retaining	22	115 093	WASHER, lock (4)
10	614 760 C1	GEAR, drive	23	24 839 R1	SCREW, hex-hd cap (4)
11	ST-200	BEARING, ball	24	ST-568	BEARING, oil supply pump gear
12	20 973 R1	PLUG, sq-hd pipe	25	617 822 C1	GEAR, oil supply pump drive
14	617 821 C21	HOUSING w/PLUG, 444 783, PLUG, 20 973 R1 and PLUG, 151 162 R1, drive	26	617 823 C1	SHAFT, oil supply pump drive gear
	25 902 R1	SCREW, 6-3/4" long hex-hd cap (2)	27	255 115 R1	RING, retainer snap (2)
	101 896 R1	SCREW, 1-1/8" long hex-hd cap (2)			
	24 862 R1	SCREW, 1-1/2" long hex-hd cap (4)			

(*) - Not used on Units Equipped
 With 2540 (SERIES C) H
 Hydraulic Control Unit.

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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POWER TAKE-OFF
 (For Manual Shift Crawler Tractors)
 Manual Shift 2038 and up



1	614 763 C2 25 508 R1	FLANGE, pump mounting (*) SCREW, hex-hd cap (6)	16	24 840 R1	SCREW, hex-hd cap (4)
2	287 049 R1	RING, external snap (3)	17	617 821 C21	HOUSING w/PLUG, 444 783, PLUG, 20 973 R1 and PLUG, 151 162 R1, drive
3	662 074 C1	SLEEVE, pump (*)		25 962 R1	SCREW, 6-3/4" long hex-hd cap (2)
3	628 302 C1	SLEEVE, pump (used on machines equipped w/2540 (Series C) Hydraulic Control Unit		101 896 R1	SCREW, 1-1/8" long hex-hd cap (2)
4	628 301 C1	COUPLING, PTO (*)		24 862 R1	SCREW, 1-1/2" long hex-hd cap (4)
5	628 300 C1	SHAFT, drive		116 121	WASHER, 1/2" lock (6)
6	660 433 R1	RING, internal snap	18	114 606	WASHER, 3/8" lock (2)
7	ST-264	BEARING, ball		141 283	PIN, dowel (2)
8	359 894 R1	RING, retaining (2)	18	20 973 R1	PLUG, sq-hd pipe
9	614 760 C1	GEAR, drive	19		GASKET, housing (#)
10	ST-200	BEARING, ball	20	255 115 R1	RING, retainer snap (2)
11	151 162 R1	PLUG, cup	21	617 823 C1	SHAFT, oil supply pump drive gear
12	444 783	PLUG, sq-hd pipe	22	ST-568	BEARING, oil supply pump gear
13	316 674 R1	RING, seal	23	617 822 C1	GEAR, oil supply pump drive
14	316 665 R1	CAP, end		662 072 C1	ADAPTER, pump flange (*)
15	114 606	WASHER, external-tooth lock (4)		24 874 R1	SCREW, hex-hd cap (2)

(#) - Listed and Illustrated With Flywheel Housing.

(*) - Not Used on Units Equipped With 2540 (Series C) Hydraulic Control Unit.

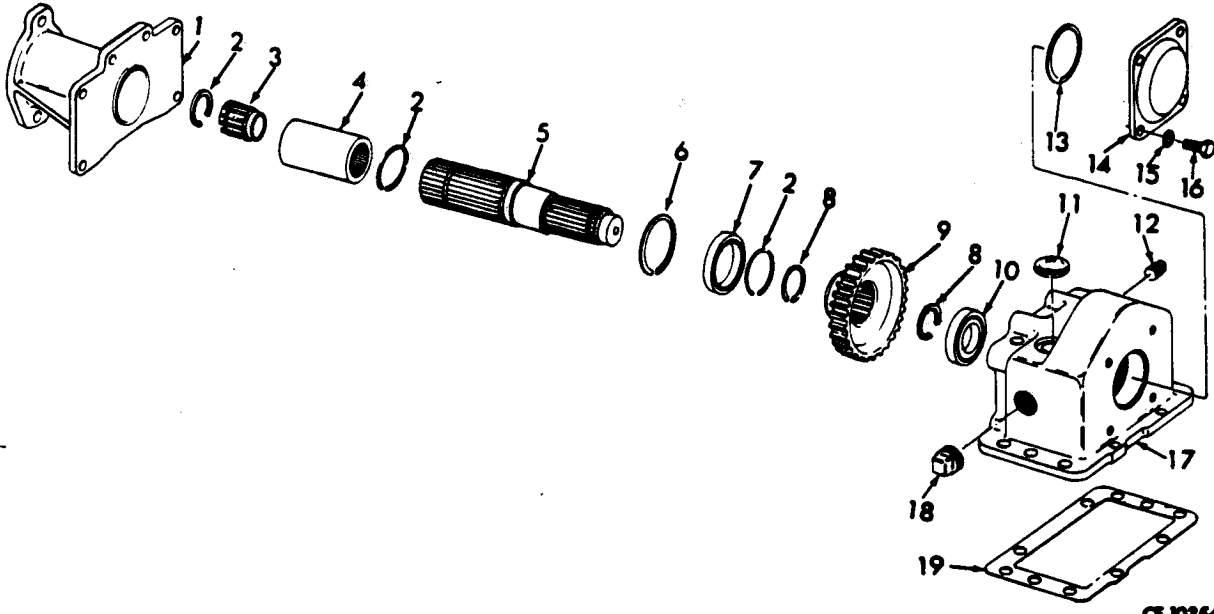
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E708

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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POWER TAKE-OFF

(For Power Shift Crawler Tractors Not Equipped With 2540 (Series C) Hydraulic Control Unit)
Power Shift 2038 and up



CE-103546

1	614 763 C2 25 508 R1	FLANGE, pump mounting SCREW, hex-hd cap (6)	14	316 665 R1	CAP, end
2	287 049 R1	RING, external snap (3)	15	114 606	WASHER, external-tooth lock (4)
3	662 074 C1	SLEEVE, pump	16	24 840 R1	SCREW, hex-hd cap (4)
4	628 301 C1	COUPLING, pump drive	17	614 759 C21	HOUSING w/PLUG, 444 782, PLUG, 20 970 R1 and PLUG, 151 162 R1, drive
5	628 300 C1	SHAFT, drive		141 283	PIN, dowel (2)
6	660 433 R1	RING, internal snap		101 896 R1	SCREW, 1-1/8" long hex-hd cap (2)
7	ST-264	BEARING, ball		24 862 R1	SCREW, 1-1/2" long hex-hd cap (4)
8	359 894 R1	RING, retaining (2)		25 962 R1	SCREW, 6-3/4" long hex-hd cap (2)
9	614 760 C1	GEAR, drive		114 606	WASHER, external-tooth lock (2)
10	ST-200	BEARING, ball		116 121	WASHER, lock (6)
11	151 162 R1	PLUG, cup	18	20 970 R1	PLUG, sq-hd pipe
12	444 782	PLUG, sq-hd pipe	19		GASKET, housing (Not Part of Drive Assembly) (*)
13	316 674 R1	RING, seal		662 072 C1	ADAPTER, pump flange
				24 874 R1	SCREW, hex-hd cap (2)

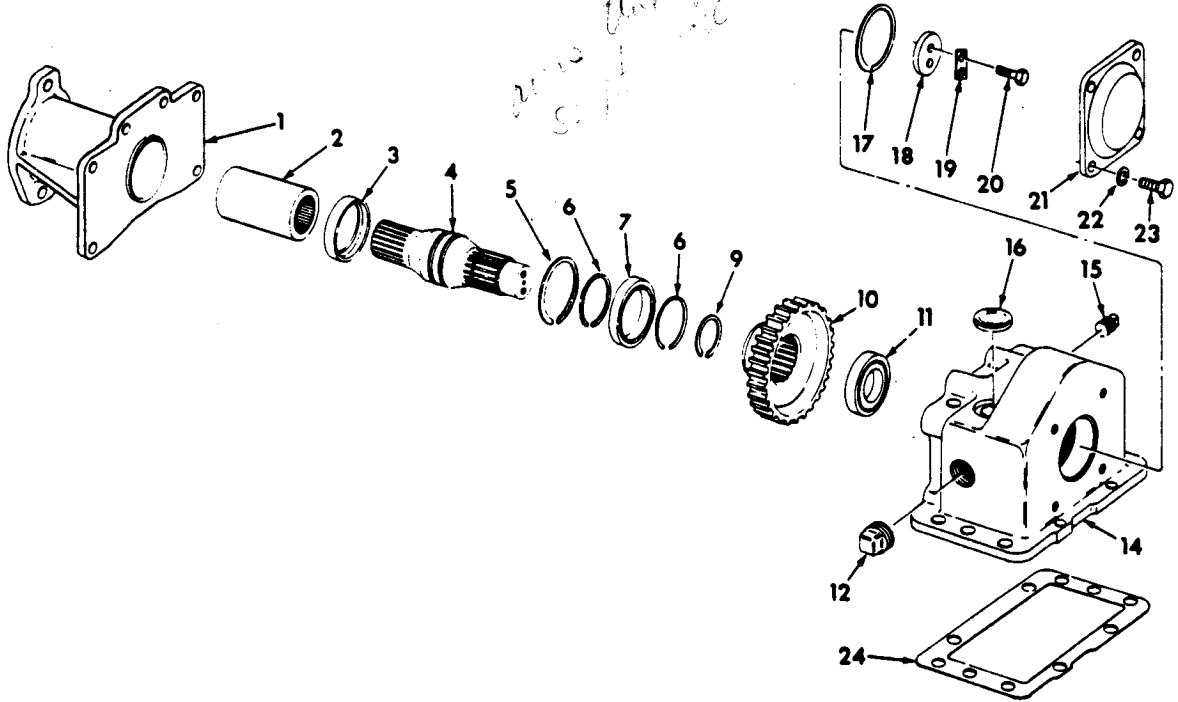
(*) - Listed and Illustrated With Flywheel Housing.

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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POWER TAKE-OFF

(For Power Shift and Power Shift Cushion Dozer Crawler Tractors Equipped with 2540 (Series C) Hydraulic Control Unit)



CE 89366

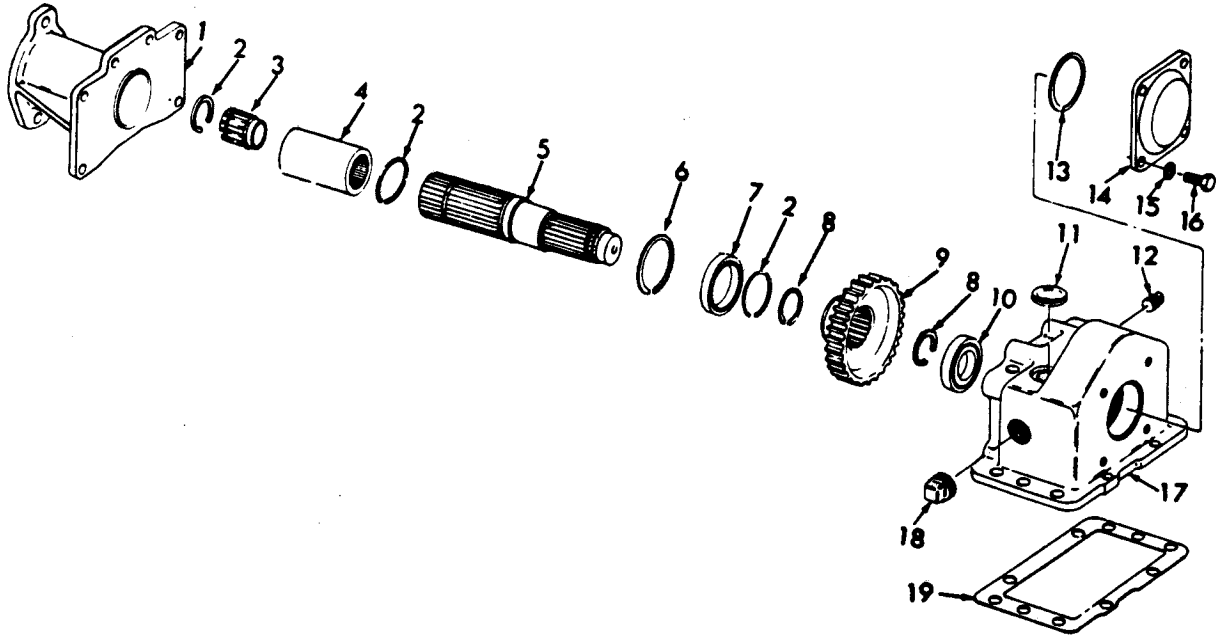
	700 858 C91	DRIVE ASSEMBLY, pump (Order DRIVE ASSY, 700 858 C92) (See NOTE)		15	444 782	PLUG, sq-hd pipe
	141 283	PIN, dowel (2)		16	151 162 R1	PLUG, cup
	101 896 R1	SCREW, 1-1/8" long hex-hd cap (2)		17	316 674 R1	RING, seal
	24 862 R1	SCREW, 1-1/2" long hex-hd cap (4)		18	49 178 DA	WASHER, retaining
	25 962 R1	SCREW, 6-3/4" long hex-hd cap (2)		19	45 558 DA	LOCK, bolt
	114 606	WASHER, external-tooth lock (2)		20	24 840 R1	SCREW, hex-hd cap (2)
	116 121	WASHER, lock (6)		21	316 665 R1	CAP, end
		(Consists of -		22	114 606	WASHER, external-tooth lock (4)
1	614 763 C2	FLANGE, pump mounting		23	24 840 R1	SCREW, hex-hd cap (4)
	25 508 R1	SCREW, hex-hd cap (6)		24		GASKET, housing (Not Part of Drive Assembly) (*)
2	614 764 C1	COUPLING, pump drive				NOTE: To up date machines equipped with Drive Assy, 700 858 C91, order the following parts -
3	291 222 C91	OIL SEAL (for use with FLANGE, 614 763 C1)				1 BALL 16 009 R1
4	614 761 C1	SHAFT, drive				1 BEARING ST-264
5	41 659 D	RING, internal snap				1 COUPLING 628 301 C1
6	614 762 C1	RING, external snap (2)				1 DRAWING CZG-74
7	ST-626 A	BEARING, ball				1 RING 359 894 R1
9	359 894 R1	RING, retaining (2)				3 RING 287 049 R1
10	614 760 C1	GEAR, drive				1 SHAFT 628 300 C1
11	ST-200	BEARING, ball				1 SLEEVE 628 302 C1
12	20 970 R1	PLUG, sq-hd pipe				1 SPACER 628 303 C1)
14	614 759 C21	HOUSING w/PLUG, 444 782, PLUG, 20 970 R1 and PLUG, 151 162 R1, drive				(*) - Listed and Illustrated With Flywheel Housing.

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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POWER TAKE-OFF

(For Power Shift and Power Shift Cushion Dozer Crawler Tractors Equipped with 2540 (Series C) Hydraulic Control Unit)



CF-103546

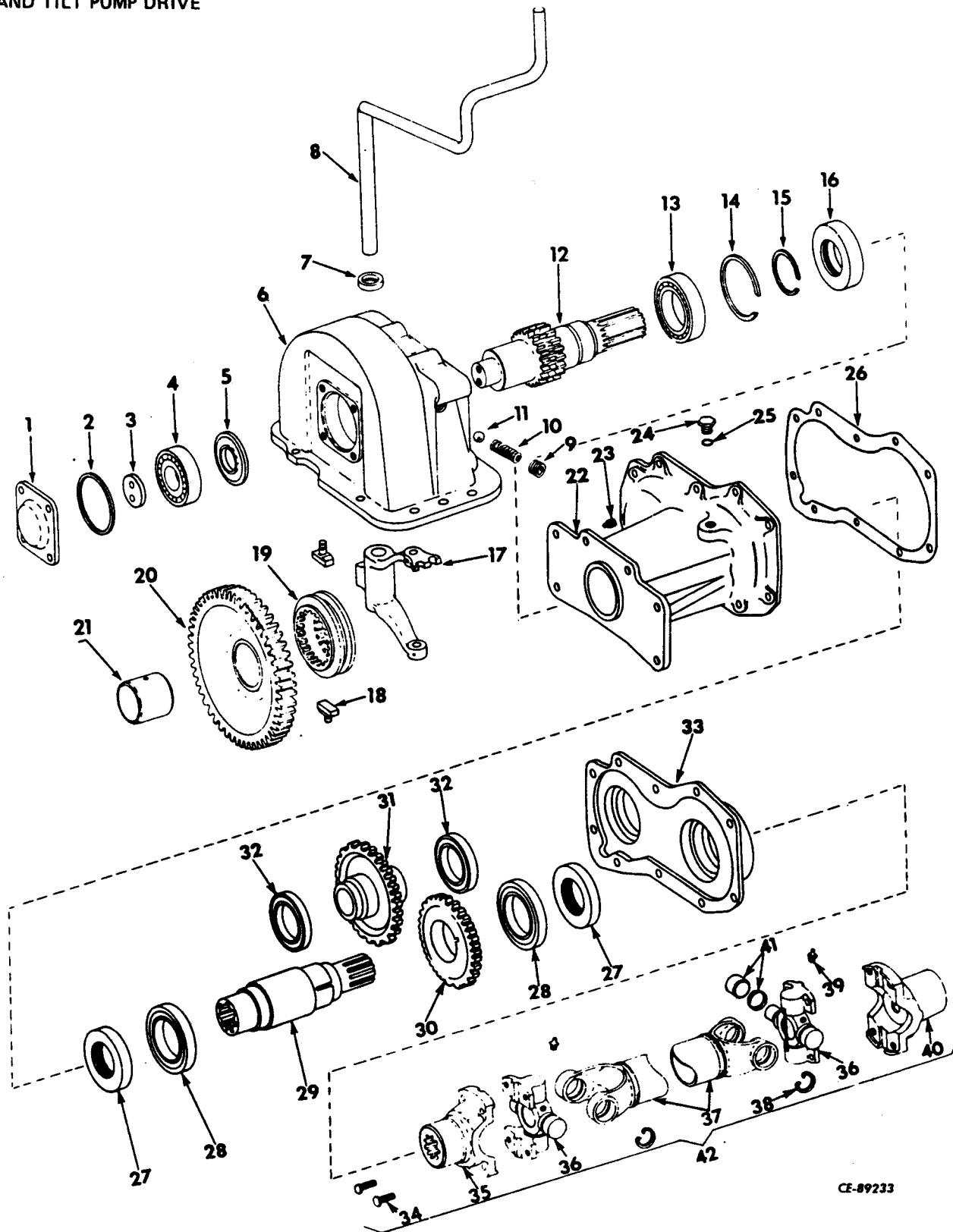
	700 858 C92	DRIVE ASSEMBLY, pump (will work for 700 858 C91)		10	ST-200	BEARING, ball
	141 283	PIN, dowel (2)		11	151 162 R1	PLUG, cup
	101 896 R1	SCREW, 1-1/8" long hex-hd cap (2)		12	444 782	PLUG, dq-hd pipe
	24 862 R1	SCREW, 1-1/2" long hex-hd cap (4)		13	316 674 R1	RING, seal
	25 962 R1	SCREW, 6-3/4" long hex-hd cap (2)		14	316 665 R1	CAP, end
	114 606	WASHER, external-tooth lock (2)		15	114 606	WASHER, external-tooth lock (4)
	116 121	WASHER, lock (6) (Consists of -		16	24 840 R1	SCREW, hex-hd cap (4)
1	614 763 C2	FLANGE, pump mounting		17	614 759 C21	HOUSING w/PLUG, 444 782, PLUG, 20 970 R1 and PLUG, 151 162 R1, drive
	25 508 R1	SCREW, hex-hd cap (6)		18	20 970 R1	PLUG, sq-hd pipe
2	287 049 R1	RING, external snap (3)		19		GASKET, housing (Not Part of Drive Assembly) (*)
3	628 302 C1	SLEEVE, pump				
4	628 301 C1	COUPLING, pump drive				
5	628 300 C1	SHAFT, drive				
6	660 433 R1	RING, internal snap				
7	ST-264	BEARING, ball				
8	359 894 R1	RING, retaining (2)				
9	614 760 C1	GEAR, drive				

(*) - Listed and Illustrated With Flywheel Housing.

MEMORANDA

DRIVE TRAIN

CONSTANT RUNNING REAR POWER TAKE-OFF AND TILT PUMP DRIVE



CE-89233

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CONSTANT RUNNING REAR POWER TAKE-OFF AND TILT PUMP DRIVE - Continued			8	703 521 C1	HANDLE and SHAFT, power take-off shifter (Att. A, B, C & D)
A	703 081 C91	ATTACHMENT, constant running rear power take-off (for tractors not equipped with tilt pump on cable machines (power shift) (See NOTE 4)	9	444 782	RETAINER, power take-off shifter poppet spring (3/8" sq-hd stl. pipe) (Att. A & B)
B	703 087 C91	ATTACHMENT, constant running rear power take-off (for tractors equipped with tilt pump on cable machines) (power shift) (See NOTE 4)	10	64 163 D	SPRING, power take-off shifter poppet (Att. A, B, C & D)
C	703 519 C91	ATTACHMENT, constant running rear power take-off (for tractors not equipped with tilt pump on cable machines) (manual shift) (See NOTE 4)	11	D2 616	BALL, 1/2" power take-off shifter poppet (Att. A, B, C & D)
D	703 520 C91	ATTACHMENT, constant running rear power take-off (for tractors equipped with tilt pump on cable machines) (manual shift) (See NOTE 4)	12	617 786 C1	SHAFT, power take-off drive (Att. A, B, C & D)
E	703 093 C91	ATTACHMENT, tilt pump drive (for tractors equipped with cable control unit and not equipped with tilt pump) (See NOTE 4)	13	ST-626A	BEARING, power take-off drive shaft rear (Att. A & B)
a			14	41 659 D	RING, power take-off drive shaft rear bearing snap (Att. A & B)
1	316 665 R1	CAP, power take-off drive gear housing (Att. A & B)	15	614 762 C1	RING, power take-off drive shaft snap (Att. A & B)
	24 839 R1	SCREW, hex-hd cap (4)	16	615 831 C91	SEAL, power take-off drive shaft rear (Att. A, B & D)
	114 606	WASHER, lock (4)	17	616 317 C11	FORK w/two PIN, 331 281 R1 and two PIN, 17 342 R1, power take-off shifter (Att. A, B, C & D)
2	316 674 R1	RING, power take-off drive gear housing cap sealing (Att. A & B)		19 844 R1	NUT, elastic stop
3	49 178 DA	RETAINER, power take-off drive shaft front bearing (Att. A & B)		222 540	SCREW, hex-soc. set
	45 558 DA	LOCK, power take-off drive shaft bolt (Att. A & B)	18	331 281 R1	PIN, power take-off shifter fork (2 for Att. A & B)
	24 840 R1	SCREW, hex-hd cap (2)		17 342 R1	PIN, shifter fork roll (2 for Att. A & B)
4	ST-200	BEARING, power take-off drive shaft front (Att. A & B)	19	316 668 R1	CLUTCH, power take-off shifter (Att. A, B, C & D)
5	316 673 R1	WASHER, power take-off drive gear thrust (Att. A, B, C & D)	20	331 283 R11	GEAR w/BUSHING, 317 993 R1, power take-off (Att. A, B, C & D)
6	614 759 C21	HOUSING, power take-off (Att. A & B)	21	317 993 R1	BUSHING, power take-off drive gear (Att. A, B, C & D)
	20 970 R1	PLUG, sq-hd pipe	22	617 792 C11	CASE w/PIN, 617 793 C1, power take-off and tilt pump gear (Att. B, D & E)
	151 162	PLUG, cup		25 508 R1	SCREW, hex-hd cap (6)
	25 962 R1	SCREW, 6-3/4" long hex-hd cap (2)		617 793 C1	PIN, pump gear
	24 862 R1	SCREW, 1-1/2" long hex-hd cap (4)	23	9 410 359	PLUG, oil filter (2 for Att. B, D & E)
	101 896	SCREW, 1-1/8" long hex-hd cap (2)	24	445 684	PLUG, oil level (Att. B, D & E)
7	606 034 C91	OIL SEAL, power take-off shifter shaft (Att. A, B & D)			NOTE 4 - Attachments No Longer Available - Service Parts Will Be Furnished As Ordered.

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CONSTANT RUNNING REAR POWER TAKE-OFF AND TILT PUMP DRIVE - Continued			37	335 H	SHIELD, dust (used w/SHAFT, 319 872 R92 and SHAFT, 703 012 C91) (8)
25	570 828 R1	"O" RING, oil filter sealing plug (.644 x .818 x .087") (2 for Att. B, D & E)	2	752 112 R1	PRODUCT GRAPHIC, operating instructions for constant running power take-off (for units painted red) (Att. A, B, C & D)
26	617 797 C1	GASKET, power take-off and tilt pump gear cover (Att. B, D & E)	2	751 220 R1	PRODUCT GRAPHIC, operating instructions for constant running power take-off (for units painted yellow) (Att. A, B, C & D)
27	615 833 C91	SEAL, power take-off and tilt pump drive shaft oil (2 for Att. B, D & E)			
28	ST-626A	BEARING, power take-off and tilt pump drive shaft (2 for Att. B, D & E)			
29	617 794 C1	SHAFT, power take-off and tilt pump drive (Att. B, D & E)			
30	617 795 C1	GEAR, tilt pump shaft (Att. B, D & E)			
	124 551	KEY (Woodruff)			
31	617 798 C1	GEAR, tilt pump (Att. B, D & E)			
32	ST-560	BEARING, tilt pump gear (2 for Att. B, D & E)			
33	617 796 C1	COVER, power take-off and tilt pump gear (Att. B, D & E)			
	24 850 R1	SCREW, hex-hd cap (9)			
	115 314	WASHER, lock (phc) (9)			
34	37 479 HA	BOLT, NF (8)			
35	317 708 R1	YOKE, fitting			
36	317 722 R91	SPIDER w/BEARINGS (2)			
37	615 905 C1	TUBE (Part of SHAFT, 703 102 C91)			
37	324 656 R91	TUBE (Part of SHAFT, 319 872 R92)			
38	97 710 H	RING, snap (4)			
39	110 146 R91	FITTING, lubrication (optional with 102 467 H) (2)			
39	102 467 H	FITTING, lubrication (optional with 110 146 R91) (2)			
40	321 222 R91	YOKE, fitting			
41	305 109 R91	RETAINER and SEAL (used with SHAFT, 319 872 R92 and SHAFT, 703 012 C91) (8)			
42	703 012 C91	SHAFT, drive (Att. B, D & E)			
	24 872 R1	SCREW, hex-hd cap			
42	319 872 R92	SHAFT, drive (Att. A & C)			
	24 872 R1	SCREW, hex-hd cap			

**REFER TO ALPHABETICAL INDEX
FOR COMPLETE LISTING OF PARTS**

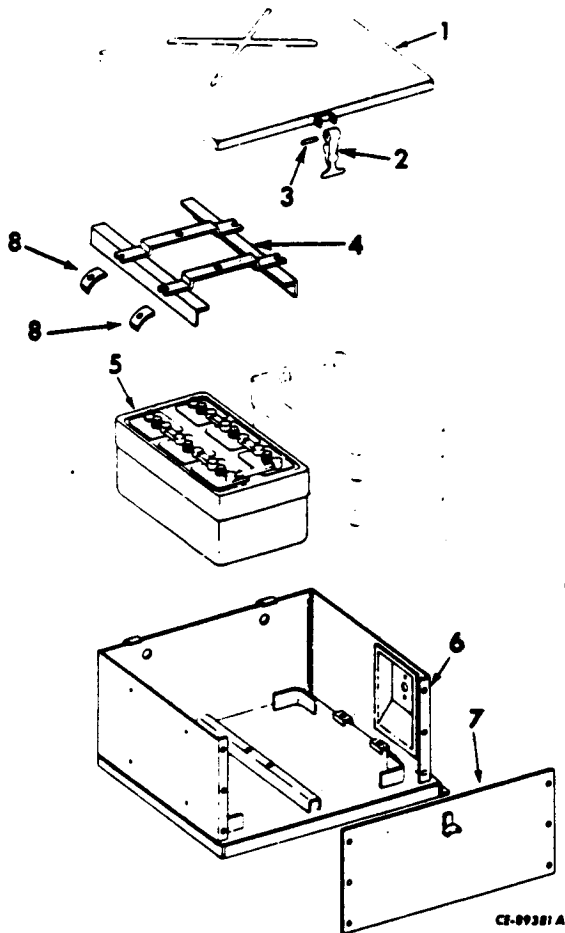
ELECTRICAL

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ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BATTERY AND BATTERY BOX
6864 and below



6	703 249 C1	BOX, battery	24 862 R1	SCREW, 1-1/2" long hex-hd cap (6)	
	24 860 R1	SCREW, 1" long hex-hd cap (phc) (Type 8)	116 121	WASHER, lock (7)	
	103 343	WASHER, flat (3)	7	703 266 C1	PLATE, battery box front
			24 839 R1	SCREW, hex-hd cap (6)	
			114 606	WASHER, lock (6)	
8	609 645 C1	PLATE, battery hold-down (2)	8	609 645 C1	PLATE, battery hold-down (2)
	709 368 C1	MOLDING, battery box (Part of ATTACHMENT, 636 073 C91)	709 368 C1	MOLDING, battery box (Part of ATTACHMENT, 636 073 C91)	
	709 369 C1	SEAL, 12" long battery box (Part of ATTACHMENT, 636 073 C91) (2)	709 369 C1	SEAL, 12" long battery box (Part of ATTACHMENT, 636 073 C91) (2)	
	709 370 C1	SEAL, 1" long battery box (Part of ATTACHMENT 636 073 C91)	709 370 C1	SEAL, 1" long battery box (Part of ATTACHMENT 636 073 C91)	
	432 327	PLUG, 1" button (Part of ATTACHMENT 636 073 C91) (2)	432 327	PLUG, 1" button (Part of ATTACHMENT 636 073 C91) (2)	
	709 387 C1	PLUG, battery box (Part of ATTACHMENT 636 073 C91)	709 387 C1	PLUG, battery box (Part of ATTACHMENT 636 073 C91)	
	CZG 2425	DRAWING, battery seal inst. (Part of ATTACHMENT 636 073 C91)	CZG 2425	DRAWING, battery seal inst. (Part of ATTACHMENT 636 073 C91)	
	636 073 C91	ATTACHMENT, vented battery box (used w/CAB) (See NOTE 4) (Consists of -	636 073 C91	ATTACHMENT, vented battery box (used w/CAB) (See NOTE 4) (Consists of -	
		1 BATTERY BOX		1 BATTERY BOX	
		MOLDING	709 368 C1	MOLDING	
		2 BATTERY BOX		2 BATTERY BOX	
		SEAL	709 369 C1	SEAL	
		1 BATTERY BOX		1 BATTERY BOX	
		SEAL	709 370 C1	SEAL	
		2 BUTTON PLUG	432 327	2 BUTTON PLUG	
		1 PLUG	709 387 C1	1 PLUG	
		1 DRAWING	CZG 2425	1 DRAWING	
	650 382 C91	PADLOCK w/KEYS (Part of ATTACHMENT, 632 176 C91 and 632 177 C91)	650 382 C91	PADLOCK w/KEYS (Part of ATTACHMENT, 632 176 C91 and 632 177 C91)	

1	703 267 C92	COVER w/HOLDER, 714 670 R1 and PIN, 576 517 R1, battery box
2	714 670 R1	HOLDER, cover
	or	
2	706 439 C1	HOLDER, cover
3	576 517 R1	PIN, slotted spring
4	703 265 C1	HOLD-DOWN, battery (2)
	25 947 R1	SCREW, 9" long hex-hd cap (4)
	25 948 R1	SCREW, 10" long hex-hd cap (2)
	115 093	WASHER, lock (6)
	25 534 R1	WASHER, flat (6)
5	IHCM8DA	BATTERY (12 volt dry-charged)(2)

NOTE 4 - Attachment No Longer Available - Service Parts Will Be Furnished As Ordered.

ELECTRICAL

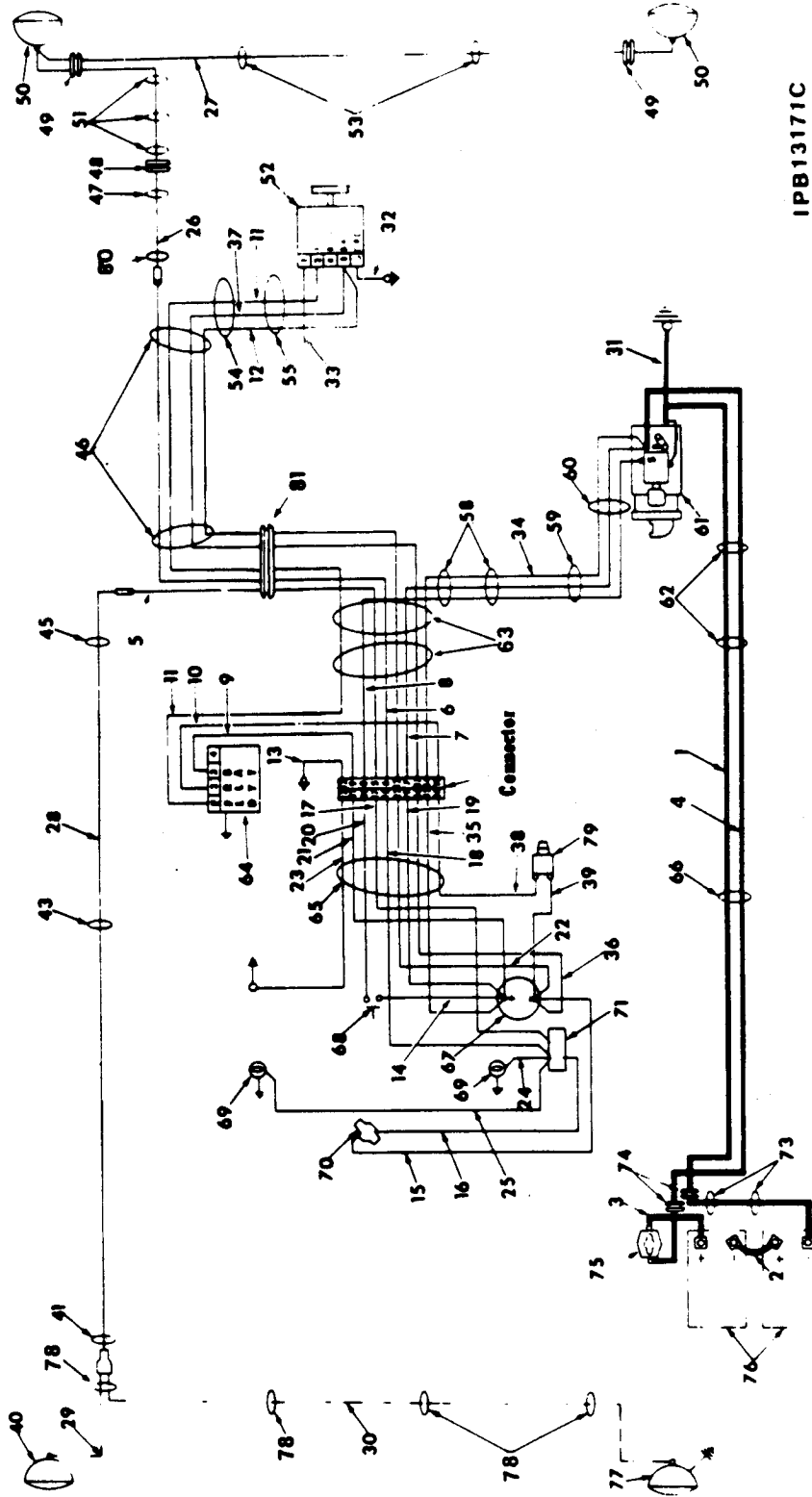
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BATTERY AND BATTERY BOX 6865 and up			1	703 267 C92	COVER w/HOLDER, 714 670 R1 and PIN, 576 517 R1, battery box
			2	714 670 R1	HOLDER, cover
			2	706 439 C1	HOLDER, cover
			3	576 517 R1	PIN, slotted spring
			4	709 369 C1	SEAL, battery box (Part of ATTACHMENT, 636 073 C91) (2)
			5	709 370 C1	SEAL, battery box (Part of ATTACHMENT, 636 073 C91)
			6	740 662 C1 25 522 R1	BOLT, hold down frame (2) NUT (2)
			7	740 112 C1 25 502 R1 115 093 25 544 R1	FRAME, battery hold down (2) BOLT (4) WASHER, lock (4) WASHER, flat (4)
			8	IHCFM31S	BATTERY (12 volt wet-charged)(4)
			9	709 368 C1	MOLDING, battery box (Part of ATTACHMENT, 636 073 C91)
			10	740 188 C1 24 862 R1 24 860 R1 116 121 103 343	BOX, battery BOLT, 1-1/2" long (6) BOLT, 1" long WASHER, lock (7) WASHER, flat (3)
			11	703 266 C1 24 839 R1 114 606	PLATE, battery box BOLT (6) WASHER, lock (6)
			12	709 387 C1	PLUG, plastic (Part of ATTACHMENT, 636 073 C91)
			13	432 327	PLUG, button (Part of ATTACHMENT, 636 073 C91) (2)
	CZG 2425	DRAWING, battery seal instruction (Part of ATTACHMENT, 636 073 C91)			
	476 074 C1	NUT, battery terminal (8)			
	636 073 C91	ATTACHMENT, vented battery box (Used w/CAB) (See NOTE 4) (Consists of - 1 MOLDING 709 368 C1 2 SEAL 709 369 C1 1 SEAL 709 370 C1 1 DRAWING CZG 2425 2 PLUG 432 327 1 PLUG 709 387 C1			
	650 382 C91	PADLOCK w/KEYS (Part of ATTACHMENT, 632 176 C91 and 632 177 C91)			

CE-115740

NOTE 4 - Attachment No Longer Available - Service Parts Will Be Furnished As Ordered.

ELECTRICAL

ELECTRIC STARTING AND LIGHTING
(For Manual Shift Crawler Tractors)
Manual Shift 1949 and Below



IPB13171C

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - Continued (For Manual Shift Crawler Tractors) Manual Shift 1949 and Below					
1	703 055 C1	CABLE, negative (-) terminal on battery to cranking motor (Not used on machines equipped w/2540 hydraulic control unit)	15	703 057 C1	CABLE, negative (-) terminal on ammeter to circuit breaker (Not used w/ATTACHMENT, 632 571 C91)
1	704 005 C1	CABLE, negative (-) terminal on battery to cranking motor (Used on machines equipped w/2540 hydraulic control unit)	16	703 058 C1	CABLE, "B" terminal on light switch to circuit breaker
2	264 305 R92	CABLE, battery to battery	17		CABLE, dash connector to rear light terminal on light switch (dark blue) (order instrument HARNESS, 703 063 C1)
3	703 056 C2	CABLE, master switch to positive (+) terminal on battery	18		CABLE, dash connector to headlight terminal on light switch (dark green) (order instrument HARNESS, 703 063 C1)
4	345 582 R91	CABLE, "B" terminal on solenoid to master switch (Not used on machines equipped w/2540 hydraulic control unit)	19		CABLE, dash connector to positive (+) terminal on ammeter (red) (order instrument HARNESS, 703 063 C1)
4	704 004 C1	CABLE, "B" terminal on solenoid to master switch (Used on machines equipped w/2540 hydraulic control unit)	20		CABLE, dash connector to starting switch (white) (order instrument HARNESS, 703 063 C1)
5		CABLE, dash connector to rear light connector (dark blue) (order main HARNESS, 703 062 C1)	21		CABLE, dash connector to positive (+) terminal on ammeter (orange) (order instrument HARNESS, 703 063 C1)
6		CABLE, dash connector to headlight connector (dark green) (order main HARNESS, 703 062 C1)	22		CABLE, dash connector to negative (-) terminal on ammeter (brown) (order instrument HARNESS, 703 063 C1)
7		CABLE, dash connector to "B" terminal on solenoid (red) (order main HARNESS, 703 062 C1)	23		CABLE, dash connector to ground screw on instrument panel (order instrument HARNESS, 703 063 C1)
8		CABLE, dash connector to "S" terminal on solenoid (white) (order main HARNESS, 703 062 C1)	24		CABLE, L.H. instrument panel light to "H" terminal on light switch (furnished as part of "Panel Light Package", 603 467 C91)
9		CABLE, dash connector to No. 3 terminal on voltage regulator (orange) (order main HARNESS, 703 062 C1)	25		CABLE, R.H. instrument panel light to "H" terminal on light switch (furnished as part of "Panel Light Package." 603 467 C91)
10		CABLE, No. 2 terminal on voltage regulator to dash connector (light blue) (order main HARNESS, 703 062 C1)	26	703 059 C1	CABLE, headlight connector to L.H. headlight (gray) (Part of Electric Lighting Attachment)
11		CABLE, "F" terminal on voltage regulator to No. 2 terminal on alternator (light green) (order main HARNESS, 703 062 C1)	27	703 060 C1	CABLE, L.H. headlight to R.H. headlight (gray) (Part of Electric Lighting Attachment) (For machines not equipped with sweeps)
12		CABLE, dash connector to "B" terminal on alternator (brown) (order main HARNESS, 703 062 C1)	27	663 113 C1	CABLE, L.H. headlight to R.H. headlight (black) (Part of Electric Lighting Attachment) (For machines equipped with sweeps)
13		CABLE, dash connector to instrument panel ground (on tubes junction block mounting bolt) (black) (order main HARNESS, 703 062 C1)			
14	30 436 DA	CABLE, positive (+) terminal on ammeter to starting switch			

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - Continued (For Manual Shift Crawler Tractors) Manual Shift 1949 and Below			45	622 963 C1	CLIP, cable (on upper front wet clutch filter mounting bolt L.H. fender)
28	703 065 C1	CABLE, rear light connector to junction connector (Gray) (Part of Electric Lighting Attachment) (Not used w/ATTACHMENT, 632 571 C91)	46	362 827 R1	CLIP, cable (on tapping blocks on L.H. inside of front frame) (2)
				179 881	SCREW, hex-hd cap (2)
				103 323	WASHER, lock (2)
29	703 061 C1	CABLE, rear light connector to L.H. rear light (gray)	47	617 751 C1	CLIP, cable (on lower L.H. corner of fan shroud)
				102 635	NUT
				179 835	SCREW, hex-hd cap
				103 321	WASHER, lock
30	703 071 C1	CABLE, rear light connector to R.H. rear light (gray) (furnished as part of "Supplementary Rear Light" Attachment, 703 070 C91)	48	117 961	GROMMET, on L.H. side of bottom radiator baffle
31	740 184 C1	CABLE, ground strap (from cranking motor to rear bolt of hydraulic pump line clamp on R.H. front frame) (Replaces 297 909 R92)	49	34 048 H	GROMMET, L.H. and R.H. side of radiator guard (Part of Electric Lighting Attachment) (2)
32	266 770 R91	CABLE, "G" terminal on alternator mounting bolt	50		HEADLIGHT ASSY (Refer to "Headlight and Rear Light") (2)
33		CABLE, No. 1 terminal on alternator (dummy cable) (order main HARNESS, 703 062 C1)	51	263 716 R91	CLIP, cable (on top center and bottom bolts of radiator baffle) (3)
34		CABLE, dash connector to "B" terminal on solenoid (red) (order main HARNESS, 703 062 C1)	52		ALTERNATOR ASSY (Refer to Parts Catalog EPC-817B)
35		CABLE, dash connector to positive (+) terminal on ammeter (red) (order instrument HARNESS, 703 063 C1)	53		CLIP, cable (welded to bottom of radiator guard upper plate) (2)
36		CABLE, dash connector to negative (-) terminal on ammeter (brown) (order instrument HARNESS, 703 063 C1)	54	363 444 R1	CLIP, cable on crankcase front plate above water pump housing
37		CABLE, dash connector to "B" terminal on alternator (brown) (order main HARNESS, 703 062 R1)	55	263 717 R91	CLIP, main harness (on alternator bracket rear inner bolt)
38		CABLE, dash connector to engine oil pressure switch (light blue) (order instrument HARNESS, 703 063 C1)	58	363 444 R1	CLIP, cable (on top flange on dash support crossplate rear center and L.H. side) (2)
				102 635	NUT (2)
				179 838	SCREW, hex-hd cap (2)
				103 321	WASHER, lock (2)
39	266 797 R91	CABLE, engine oil pressure switch to negative (-) terminal on ammeter	59	263 717 R91	CLIP, cable (on R.H. front bolt at power take-off location)
40		LIGHT ASSY, rear (L.H.) (for components see list of parts under details of "Headlight and Rear Light")	60	362 120 R1	CLIP, cable (on piston coolant jet bolt of No. 6 cylinder)
41	362 120 R1	CLIP, cable (on bottom rear bolt of L.H. seat side sheet)	61		MOTOR ASSY, cranking (Refer to Parts Catalog EPC-817B or EPC-817C)
43	263 514 R91	CLIP, cable (on rear tapping block on L.H. fender)	62	617 752 C1	CLAMP, cable (on 4th and 6th bolt down on R.H. side of clutch housing)
	179 852	SCREW, hex-hd		103 343	WASHER, flat
	103 322	WASHER, lock	63	604 388 C91	CLIP, cable (on LH diagonal dash near center and bottom) (Replaces, 267 788 R91) (2)
				102 635	NUT (2)
				179 838	SCREW, hex-hd cap (2)
				103 321	WASHER, lock (2)
			64		REGULATOR ASSY, voltage (Refer "Voltage Regulator")

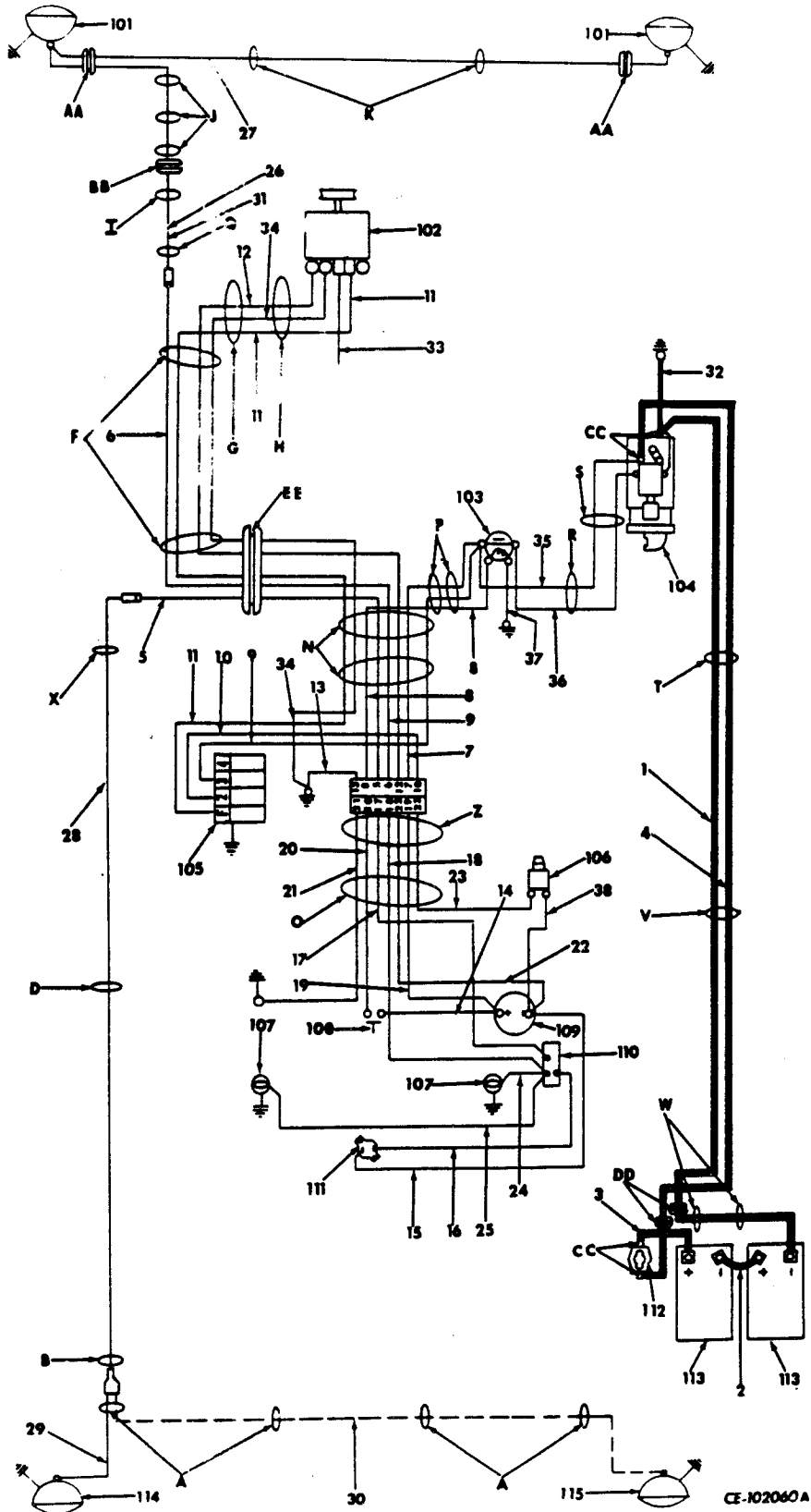
ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - Continued (For Manual Shift Crawler Tractors) Manual Shift 1949 and Below			80	384 554 R1	CLIP, cable (on forward block on L.H. front support frame)
65	302 304 R1	CLAMP, cable (on lower surface of instrument panel flange)	81	283 854 C1	GROMMET, main electrical harness (on lower L.H. dash frame support) (For 1-1/4" diameter hole)
	102 634	NUT	81	624 827 C1	GROMMET, main electrical harness (on lower L.H. dash frame support) (For 2" diameter hole)
	179 814	SCREW, hex-hd cap			
	103 320	WASHER, lock			
66	713 148 C1	CLAMP, cable (on top front bolt of brake pedal bracket flange) (Replaces 617 752 C1)	703 062 C1		HARNES, main electrical (consists of Nos. 5 thru 13, 33, 34 and 37)
67		AMMETER (Refer to "Instruments and Instrument Panel")	703 063 C1		HARNES, instrument (consists of Ref. Nos. 17 thru 23, 35, 36 and 38)
68		SWITCH, starting (Refer to "Starting Switch")	103 088		NUT (2)
69	603 467 C91	PACKAGE, panel light field service (2) (Consists of -	100 768		SCREW, hex-hd cap (ground on instrument panel)
		1 GROMMET 273 406 R1	173 122		WASHER (3)
		§ 1 LAMP	104 939		CORK #3, head lamp guard (on radiator guard upper shell) (8)
		1 WASHER 273 405 R1	104 939		CORK #3, head lamp guard (on radiator guard side plate) (4)
	193 093	BULB (24 Volt) (2)	117 925		CORK #11, front lamp cable grommet (on radiator guard side plate) (2)
	273 406 R1	GROMMET, dash light mounting (2)			
	273 405 R1	WASHER, dash light mounting (2)			
70	124 087 H1	BREAKER, circuit (lighting)			
	103 092	NUT (2)			
	100 754	SCREW, rd-hd-slt (2)			
	106 496	WASHER, lock (2)			
71		SWITCH, light (Refer to "Lighting Switch")			
73		CLIP, cable (welded inside battery box front plate) (2)			
74	115 329 R1	GROMMET (on battery box platform) (2)			
75		SWITCH, master (Refer to "Master Switch")			
	179 795	SCREW, hex-hd cap			
	103 319	WASHER, lock			
	109 084	NUT			
76		BATTERY (Refer to "Batteries and Supports") (2)			
77		LIGHT ASSY, supplementary rear (part of "Supplementary Rear Light Attachment")			
78	263 716 R91	CLIP, cable (on tapped holes on front flange of fuel tank support) (4)			
	179 814	SCREW, hex-hd cap (4)			
	103 320	WASHER, lock (4)			
79		SWITCH, engine oil pressure (alternator field relay) (Refer to "Instruments and Related Parts")			

§ - Not Furnished Separately

ELECTRICAL

ELECTRIC STARTING AND LIGHTING (For Manual Shift Crawler Tractors) Manual Shift 1950 to 5469



CE-102060A

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - Continued (For Manual Shift Crawler Tractors) Manual Shift 1950 to 5469			CABLES - Continued		
	<u>CABLES</u>				
1	703 055 C1	CABLE, negative (-) terminal on battery to cranking motor (Not used on machines equipped w/2540 hydraulic control unit) Manual Shift 1950 to 2037	11		CABLE, "F" terminal on voltage regulator to No. 2 terminal on alternator (light green) (order main HARNESS, 650 606 C1)
1	704 005 C1	CABLE, negative (-) terminal on battery to cranking motor (Used on machines equipped w/2540 hydraulic control unit) Manual Shift 1950 to 2037	12		CABLE, dash connector to "B" terminal on alternator (brown) (order main HARNESS, 650 606 C1)
1	704 005 C1	CABLE, negative (-) terminal on battery to cranking motor Manual Shift 2038 and up	13		CABLE, dash connector to ground on L.H. regulator mounting bolt (black) (order main HARNESS, 650 606 C1)
2	264 305 R92	CABLE, battery to battery	14	30 436 DA	CABLE, positive (+) terminal on ammeter to starting switch
3	703 056 C2	CABLE, master switch to positive (+) terminal on battery	15	703 057 C1	CABLE, negative (-) terminal on ammeter to circuit breaker (Not used w/ATTACHMENT, 632 571 C91)
4	345 582 R91	CABLE, "B" terminal on solenoid to master switch (Not used on machines equipped w/2540 hydraulic control unit) Manual Shift 1950 to 2037	16	703 058 C1	CABLE, "B" terminal on light switch to circuit breaker (Not used w/ATTACHMENT, 632 571 C91)
4	704 004 C1	CABLE, "B" terminal on solenoid to master switch (Used on machines equipped w/2540 hydraulic control unit) Manual Shift 1950 to 2037	17		CABLE, dash connector to rear light terminal on light switch (dark blue) (order instrument HARNESS, 650 605 C1)
4	704 004 C1	CABLE, "B" terminal on solenoid to master switch Manual Shift 2038 and up	18		CABLE, dash connector to headlight terminal on light switch (dark green) (order instrument HARNESS, 650 605 C1)
5		CABLE, dash connector to rear light connector (dark blue) (order main HARNESS, 650 606 C1)	19		CABLE, dash connector to positive (+) terminal on ammeter (red) (order instrument HARNESS, 650 605 C1)
6		CABLE, dash connector to headlight connector (dark green) (order main HARNESS, 650 606 C1)	20		CABLE, dash connector to starting switch (black-red) (order instrument HARNESS, 650 605 C1)
7		CABLE, dash connector to magnetic switch "H" terminal (red) (order main HARNESS, 650 606 C1)	21		CABLE, dash connector to ground screw on instrument panel (order instrument HARNESS, 650 605 C1)
8		CABLE, dash connector to magnetic switch (white) (order main HARNESS, 650 606 C1)	22		CABLE, dash connector to negative (-) terminal on ammeter (brown) (order instrument HARNESS, 650 605 C1)
9		CABLE, magnetic switch to No. 3 terminal on voltage regulator (orange) (order main HARNESS, 650 606 C1)	23		CABLE, dash connector to engine oil pressure switch (light blue) (order instrument HARNESS, 650 605 C1)
10		CABLE, No. 2 terminal on voltage regulator to dash connector (light blue) (order main HARNESS, 650 606 C1)	24		CABLE, L.H. instrument panel light to "H" terminal on light switch (furnished as part of "Panel Light Package," 603 467 C91)
			25		CABLE, R.H. instrument panel light to "H" terminal on light switch) (furnished as part of "Panel Light Package," 603 467 C91)

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - Continued (For Manual Shift Crawler Tractors) Manual Shift 1950 to 5469			MAIN COMPONENTS		
		<u>CABLES - Continued</u>	101		HEADLIGHT ASSY (Refer to "Headlight and Rear Light") (2)
26	703 059 C1	CABLE, headlight connector to L.H. headlight (gray) (For machines not equipped with Canopy) (Part of Electric Lighting Attachment)	102		ALTERNATOR ASSY (Refer to Parts Catalog EPC-817B or EPC 817C)
27	703 060 C1	CABLE, L.H. headlight to R.H. headlight (gray) (Part of Electric Lighting Attachment) (For use on machines not equipped with sweeps)	103	706 125 C2 120 376 120 614 179 791 120 214 120 217 103 319 173 124	SWITCH, magnetic NUT, 5/16" (2) NUT # 10 (2) SCREW, hex-hd cap (2) WASHER, 5/16" lock (2) WASHER, # 10 (2) WASHER, 1/4" lock (2) WASHER, 1/4" (2)
27	663 113 C1	CABLE, L.H. headlight to R.H. headlight (black) (Part of Electric Lighting Attachment) (For machines equipped with sweeps)	104		MOTOR, cranking (Refer to Engine Parts Catalog EPC 817B or EPC-817C)
28	703 065 C1	CABLE, rear light connector to junction connector (Gray) (Part of Electric Lighting Attachment) (Not used w/ ATTACHMENT, 632 571 C91)	105		REGULATOR ASSY, voltage (Refer to "Voltage Regulator")
29	703 061 C1	CABLE, rear light connector to L.H. rear light (gray)	106		SWITCH, engine oil pressure (Refer to "Instruments and Related Parts")
30	703 071 C1	CABLE, rear light connector to R.H. rear light (gray) (Furnished as part of "Supplementary Rear Light" Attachment)	107	603 467 C91	PACKAGE, panel light field service (Not used w/ ATTACHMENT, 632 571 C91) (2) (Consists of - 1 GROMMET 273 406 R1 § 1 LAMP 1 WASHER 273 405 R1)
31	663 092 C1	CABLE, front lamps connector to L.H. front lamp (For machines equipped with Canopy)	108		SWITCH, starting (Refer to "Starting Switch")
32	740 184 C1	CABLE, frame terminal on cranking motor to tapping block on R.H. front frame (Replaces 297 909 R92).	109		AMMETER (Refer to "Instruments and Instrument Panel")
33		CABLE, No. 1 terminal on alternator (dummy lead) (order main HARNESS, 650 606 C1)	110		SWITCH, light (Refer to "Lighting Switch")
34		CABLE, "G" terminal on alternator to L.H. regulator mounting bolt (order main HARNESS, 650 606 C1)	111	700 193 C1 100 754 106 496 103 092	BREAKER, circuit (lighting) SCREW, rd-hd slt. (2) WASHER, lock (2) NUT (2)
35		CABLE, "B" terminal on solenoid magnetic switch "H" terminal (red) (order cranking motor HARNESS, 650 540 C1)	112	109 084 179 795 103 319	SWITCH, master (Refer to "Master Switch") NUT SCREW, hex-hd cap WASHER, lock
36		CABLE, "S" terminal on solenoid to magnetic switch "C" terminal (white) (order cranking motor HARNESS, 650 540 C1)	113		BATTERY (Refer to "Batteries and Supports") (2)
37	650 407 C1	CABLE, magnetic switch to magnetic switch mounting bolt	114		LIGHT ASSY, rear (L.H.) (Refer to "Headlight and Rear Light")
38	266 797 R91	CABLE, engine oil pressure switch to negative (-) terminal on ammeter	115		LIGHT ASSY, supplementary rear (Part of "Supplementary Rear Light" Attachment)

§ - Not Furnished Separately.

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - Continued (For Manual Shift Crawler Tractors) Manual Shift 1950 to 5469			<u>CLIPS AND CLAMPS - Continued</u>		
<u>CLIPS AND CLAMPS</u>					
A	263 716 R91 179 814 103 320	CLIP, cable (On tapped holes on front flange of fuel tank support) (4) SCREW, hex-hd cap (4) WASHER, lock (4)	O	302 304 R1 102 634 179 814 103 320	CLAMP, cable (On lower surface of instrument panel flange) NUT SCREW, hex-hd cap WASHER, lock
B	362 120 R1	CLIP, cable (On bottom rear bolt of L.H. seat side sheet)	P	363 444 R1 102 635 179 838 103 321	CLIP, cable (On top flange on dash support crossplace R.H. and L.H. side) (Not used w/ATTACHMENT, 632 571 C91) (2) NUT (2) SCREW, hex-hd cap (2) WASHER, lock (2)
C		NOT USED	Q	384 554 R1	CLIP, cable (On forward block on L.H. front support frame)
D	263 514 R91 179 852 103 322	CLIP, cable (On rear tapping block on L.H. fender) * to 1950 SCREW, hex-hd cap WASHER, lock	R	263 717 R91	CLIP, cable (On R.H. front bolt at power take-off location) (Not used w/ATTACHMENT, 632 571 C91)
D	706 330 C1 179 852 103 322	CLIP, cable (On L.H. side lower bolt of crossmember and platform support) * to 5469 SCREW, hex-hd cap WASHER, lock	S	362 120 R1	CLIP, cable (On piston coolant jet bolt of No. 6 cylinder) (Not used w/ATTACHMENT, 632 571 C91)
E		NOT USED	T	617 752 C1 103 343	CLAMP, cable (On 5th bolt down on R.H. side of clutch housing) WASHER, flat
F	362 827 R1 179 881 103 323	CLIP, cable (On tapping blocks on L.H. fender inside of front frame) (2) SCREW, hex-hd cap (2) WASHER, lock (2)	U		NOT USED
G	363 444 R1	CLIP, cable (On crankcase front plate above water pump housing)	V	713 148 C1	CLAMP, cable (On top front bolt of brake pedal bracket flange) (Replaces 617 752 C1)
H	263 717 R91	CLIP, main harness (On alternator bracket rear outer bolt) (Not used w/ATTACHMENT, 632 571 C91)	W		CLIP, cable (Welded inside battery box front plate) (2)
I	617 751 C1 102 635 179 835 103 321	CLIP, cable (On lower L.H. corner of fan shroud) NUT SCREW, hex-hd cap WASHER, lock	X	622 963 C1	CLIP, cable (On upper front wet clutch filter mounting bolt L.H. fender)
J	263 716 R91	CLIP, cable (On top center and bottom bolts of radiator baffle) (3)	Y		NOT USED
K		CLIP, cable (Welded to bottom of radiator guard upper plate) (2)	Z	338 059 R1	CLAMP, cable (On L.H. diagonal dash support upper)
L		NOT USED	<u>GROMMETS AND MISCELLANEOUS</u>		
M		NOT USED	AA	34 048 H	GROMMET, L.H. and R.H. side of radiator guard (Part of Electric Lighting Attachment, 620 325 C91) (2)
N	604 388 C91 102 635 179 838 103 321	CLIP, cable (On LH diagonal dash center and bottom) (Replaces 267 788 R91) (2) NUT (2) SCREW, hex-hd cap (2) WASHER, lock (2)	BB	117 961	GROMMET, on L.H. side of bottom radiator baffle
			CC	364 910 R1	BOOT, rubber (In assembly with battery cable) (4)

* - Serial Number Not Available.

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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ELECTRIC STARTING AND LIGHTING - Continued
(For Manual Shift Crawler Tractors)
Manual Shift 1950 to 5469**GROMMETS AND MISCELLANEOUS - Continued**

DD	115 329 R1	GROMMET, (On battery box platform) (2)
EE	624 827 C1	GROMMET, main electrical harness on lower L.H. dash frame support)
	273 406 R1	GROMMET, dash light mounting (2)
	193 093	BULB (24 volt) (2)
	273 405 R1	WASHER, dash light mounting (2)
	104 939	CORK No. 3, head lamp guard (On radiator guard upper shell)
	104 939	CORK No. 3, head lamp guard (On radiator guard side plate) (4)
	117 925	CORK No. 11, front lamp cable grommet (On radiator guard side plate) (2)
	117 925	CORK No. 11, front lamp cable grommet (On radiator guard upper shell) (2)

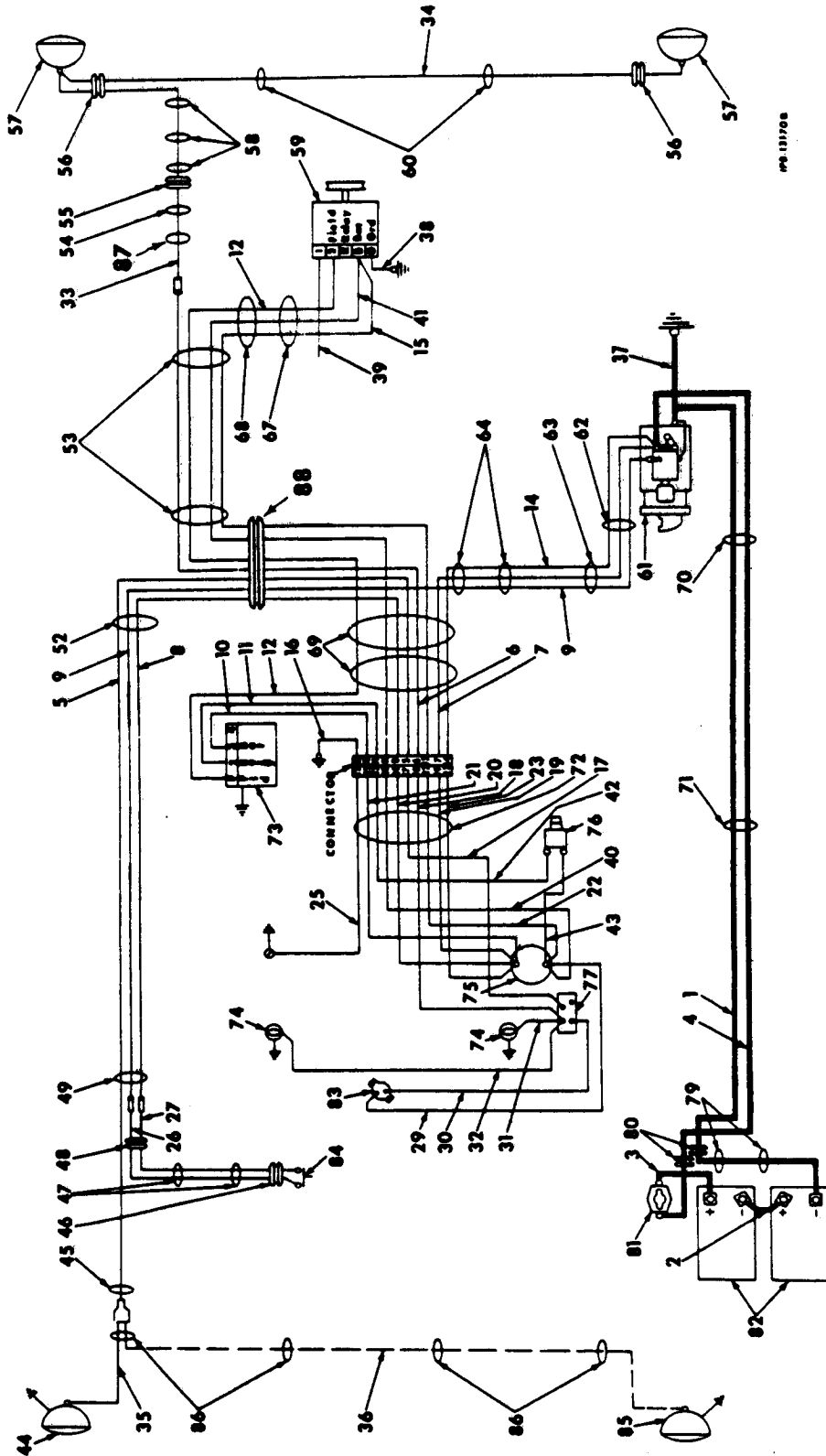
HARNESS

650 606 C1	HARNESS, main electrical (Consists of Nos. 5 thru 13, 33 and 34) (Not used w/ATTACHMENT, 632 571 C91)
650 605 C1	HARNESS, instrument (Consists of Nos. 17 thru 23) (Not used w/ ATTACHMENT, 632 571 C91)
103 088	NUT (2)
100 768	SCREW (Ground on instrument panel)
173 122	WASHER, No. 10 lock (2)
106 497	WASHER, No. 10 lock
650 540	HARNESS, cranking motor (Consists of Nos. 35 and 36)

MEMORANDA

ELECTRICAL

ELECTRIC STARTING AND LIGHTING (For All Power Shift Crawler Tractors Except Arctic Application) (Power Shift 1949 and Below)



99-131708

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - Continued (For All Power Shift Crawler Tractors Except Arctic Application) Power Shift 1949 and Below			14		CABLE, dash connector to "B" terminal on solenoid (red) (order main HARNESS, 703 068 C1)
			15		CABLE, dash connector to "B" terminal on alternator (brown) (order main HARNESS, 703 068 C1)
1	703 055 C1	CABLE, negative (-) terminal on battery to cranking motor (not used on machines equipped w/2540 hydraulic control unit)	16		CABLE, dash connector to instrument panel ground (on tubes junction block mounting bolt) (order main HARNESS, 703 068 C1)
1	704 005 C1	CABLE, negative (-) terminal on battery to cranking motor (used on machines equipped w/2540 hydraulic control unit)	17		CABLE, dash connector to rear light terminal on light switch (dark blue) (order instrument HARNESS, 703 067 C1)
2	264 305 R92	CABLE, battery to battery	18		CABLE, dash connector to headlight terminal on light switch (dark green) (order instrument HARNESS, 703 067 C1)
3	703 056 C2	CABLE, master switch to positive (+) terminal battery	19		CABLE, dash connector to positive (+) terminal on ammeter (red) (order instrument HARNESS, 703 067 C1)
4	345 582 R91	CABLE, "B" terminal on solenoid to master switch (not used on machines equipped w/2540 hydraulic control unit)	20		CABLE, dash connector to positive (+) terminal on ammeter (white) (order instrument HARNESS, 703 067 C1)
4	704 004 C1	CABLE, "B" terminal on solenoid to master switch (used on machines equipped w/2540 hydraulic control unit)	21		CABLE, dash connector to positive (+) terminal on ammeter (orange) (order instrument HARNESS, 703 067 C1)
5		CABLE, dash connector to rear light connector (dark blue) (order main HARNESS, 703 068 C1)	22		CABLE, dash connector to negative (-) terminal on ammeter (brown) (order instrument HARNESS, 703 067 C1)
6		CABLE, dash connector to headlight connector (dark green) (order main HARNESS, 703 068 C1)	23		CABLE, dash connector to positive (+) terminal on ammeter (red) (order instrument HARNESS, 703 067 C1)
7		CABLE, dash connector to "B" terminal on solenoid (red) (order main HARNESS, 703 068 C1)	25		CABLE, dash connector to ground screw on instrument panel (order instrument HARNESS, 703 067 C1)
8		CABLE, dash connector to safety starting switch connector (white) (order main HARNESS, 703 068 C1)	26		CABLE, starting switch to starting switch connector (part of safety starting switch HARNESS) (order PACKAGE 628 155 C91)
9		CABLE, safety starting switch connector to "S" terminal on solenoid (white) (order main HARNESS, 703 068 C1)	27		CABLE, starting switch to starting switch connector (part of safety starting switch HARNESS) (order PACKAGE, 628 155 C91)
10		CABLE, dash connector to No. 3 terminal on voltage regulator (orange) (order main HARNESS, 703, 068 C1)	29	703 057 C1	CABLE, negative (-) terminal on ammeter to circuit breaker (Not used w/ATTACHMENT, 632 571 C91)
11		CABLE, No. 2 terminal on voltage regulator to dash connector (light blue) (order main HARNESS, 703 068 C1)	30	703 058 C1	CABLE, "B" terminal on light switch to circuit breaker
12		CABLE, "F" terminal on voltage regulator to No. 2 terminal on alternator (light green) (order main HARNESS, 703 068 C1)			

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - Continued (For All Power Shift Crawler Tractors Except Arctic Application) Power Shift 1949 and Below			45	362 120 R1	CLIP, cable (on bottom rear bolt of L.H. seat side sheet)
			46	617 259 C1	GROMMET, safety switch harness (on starting safety switch lock cam bracket)
31		CABLE, L.H. instrument panel light to "H" terminal on light switch (part of "Panel Light Package," 603 467 C91)	47		CLIP, cable (welded inside powershaft gear selector box) (2)
32		CABLE, R.H. instrument panel light to "H" terminal on light switch (part of "Panel Light Package," 603 467 C91)	48	118 833	GROMMET (on bottom of L.H. seat side sheet)
33	703 059 C1	CABLE, headlight connector to L.H. headlight (gray) (part of Electric Lighting Attachment)	49	263 514 R91	CLIP, cable (on rear tapping block of L.H. fender)
				179 852	SCREW, hex-hd cap
				103 322	WASHER, lock
34	663 113 C1	CABLE, L.H. headlight (black) (part of Electric Lighting Attachment) (For machines equipped with sweeps)	52	622 963 C1	CLIP, cable (on bolt at upper front filter mount on L.H. fender)
				179 839	SCREW, hex-hd cap
				102 635	NUT
				103 321	WASHER, lock
34	703 060 C1	CABLE, L.H. headlight to R.H. headlight (gray) (part of Electric Lighting Attachment) (For machines not equipped with sweeps)	53	362 827 R1	CLIP, cable (on tapping blocks on L.H. inside of front frame) (2)
				179 881	SCREW, hex-hd cap (2)
				103 323	WASHER, lock (2)
35	703 061 C1	CABLE, rear light connector to L.H. rear light (gray) (part of Electric Lighting Attachment)	54	617 751 C1	CLIP, cable (on lower L.H. corner of fan shroud)
					NUT
				102 635	SCREW, hex-hd cap
				179 835	WASHER, lock
37	740 184 C1	CABLE, ground strap (from cranking motor to rear bolt of hydraulic pump line clamp on R.H. front frame)(Replaces 297 909 R92)	55	117 961	GROMMET (on L.H. side of bottom radiator baffle)
38	266 770 R91	CABLE, "G" terminal on alternator to mounting bolt	56	34 048 H	GROMMET (on R.H. and L.H. side of radiator guard) (part of Electric Lighting Attachment, 620 325 C91) (2)
39		CABLE, No. 1 terminal on alternator (dummy cable) (order main HARNESS, 703 068 C1)	57		HEADLIGHT ASSY (Refer to "Headlight and Rear Light") (2)
40		CABLE, dash connector to negative (-) terminal on ammeter (brown) (order instrument HARNESS, 703 067 C1)	58	263 716 R91	CLIP, cable (on top, center and bottom bolts of radiator baffle) (3)
41		CABLE, dash connector to "B" terminal on alternator (brown) (order main HARNESS, 703 068 C1)	59		ALTERNATOR ASSY (Refer to Parts Catalog EPC-817B)
42		CABLE, dash connector to engine oil pressure switch (light blue) (order instrument HARNESS, 703 067 C1)	60		CLIP, cable (welded to bottom of radiator guard upper plate) (2)
43	678 253 C1	CABLE, engine oil pressure switch to negative (-) terminal on ammeter (Replaces, 266 757 R91)	61		MOTOR ASSY, cranking (Refer to Engine Parts Catalog EPC-817B)
44		LIGHT ASSY, rear (L.H.) (For components see list of parts under details of "Headlight and Rear Light")	62	362 120 R1	CLIP, cable (on piston coolant jet blot of No. 6 cylinder)
			63	263 717 R91	CLIP, cable (on R.H. front bolt at power take-off location)

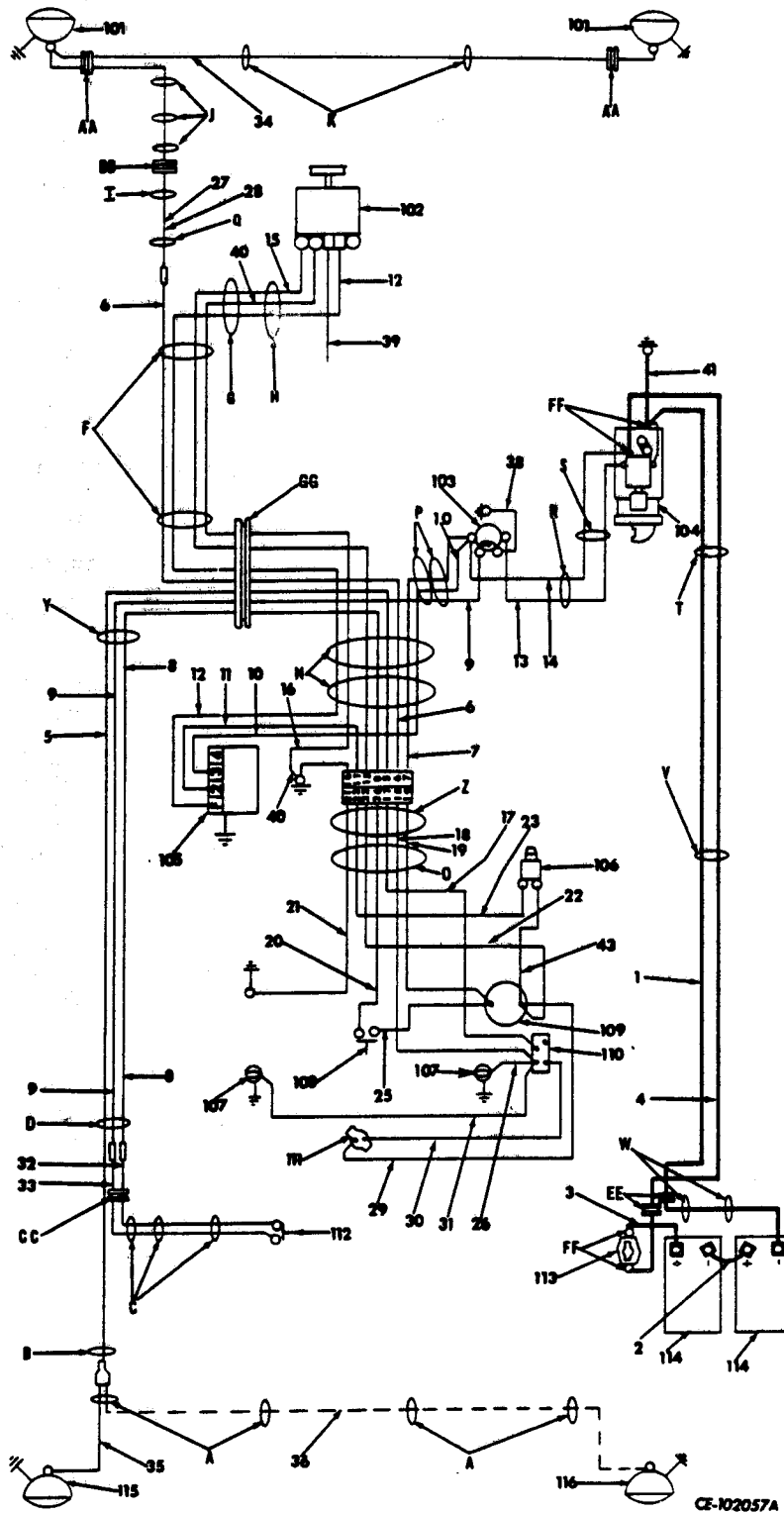
ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - Continued (For All Power Shift Crawler Tractors Except Arctic Application) Power Shift 1949 and Below			81		SWITCH, master (Refer to "Master Switch")
			82		BATTERY (Refer to "Batteries and Supports") (2)
64	363 444 R1	CLIP, cable (on top flange on dash support crossplate near center and L.H. side) (2)	83	124 087 H1	BREAKER, circuit
	102 635	NUT (2)		103 092	NUT (2)
	179 838	SCREW, hex-hd cap (2)		100 754	SCREW, rd-hd-slt (2)
	103 321	WASHER, lock (2)		106 496	WASHER, lock (2)
67	263 717 R91	CLIP, cable (on alternator mounting bolt)	84		SWITCH, starting (Refer to "Starting Switch")
68	363 444 R1	CLIP, cable (on crankcase front plate above water pump housing)	85		LIGHT ASSY, supplementary rear (part of "Supplementary Rear Light" Attachment, 703 070 C91)
69	604 388 C91	CLIP, cable (on L.H. diagonal dash support near center and bottom) (Replaces 267 788 R91) (2)	86	263 716 R91	CLIP, cable (on tapped holes on front flange of fuel tank support) (4)
	102 635	NUT (2)		179 814	SCREW, hex-hd cap (4)
	179 838	SCREW, hex-hd cap (2)		103 320	WASHER, lock (4)
	103 321	WASHER, lock (2)	87	384 554 R1	CLIP, cable (on forward block on L.H. front support frame)
70	616 175 C2	CLAMP, cable (on 5th bolt down on R.H. side of torque converter housing)	88	283 854 C1	GROMMET, main electrical harness (on lower L.H. dash frame support) (for 1-1/4" diameter hole)
	103 343	WASHER, flat			
71	713 148 C1	CLAMP, cable (on top front bolt of brake pedal bracket flange) (Replaces 617 752 C1)	88	624 827 C1	GROMMET, main electrical harness (on lower L.H. dash frame support) (for 2" diameter hole)
72	302 304 R1	CLAMP, cable (on lower surface of instrument panel flange)			HARNESS, starting safety switch (order PACKAGE, 628 155 C91) (Consists of Ref. Nos. 26 and 27)
	102 634	NUT		703 067 C1	HARNESS, instrument (consists of Ref. Nos. 17 thru 22, 23, 25, 40 and 42)
	179 814	SCREW, hex-hd cap		103 088	NUT (2)
	103 320	WASHER, lock		100 768	SCREW, hex-hd cap (ground on instrument panel)
73		REGULATOR ASSY, voltage (Refer to "Voltage Regulator")		173 497	WASHER, lock (3)
74	603 427 C91	PACKAGE, panel light field service (2) (Consists of - 1 GROMMET 273 406 R1 1 LAMP 1 WASHER 273 405 R1)		703 068 C1	HARNESS, main electrical (consists of Ref. Nos. 5 thru 12, 14, 15, 16, 39 and 41)
	193 093	BULB (24 Volt) (2)		104 939	CORK #3, headlamp guard (on radiator guard upper shell) (8)
	273 406 R1	GROMMET, dash light mounting (2)		104 939	CORK #3, headlamp guard (on radiator guard side plate) (4)
	273 405 R1	WASHER, dash light mounting (2)		117 925	CORK #11, front lamp cable grommet (on radiator guard side plate) (2)
75		AMMETER (Refer to "Instruments and Instrument Panel")		628 155 C91	PACKAGE, starting safety switch harness service (Consists of - 1 DRAWING (installation) CZG29 1 GROMMET 617 259 C1 1 HARNESS)
76		SWITCH, engine oil pressure (alternator field relay) (Refer to "Instruments and Related Parts")			
77		SWITCH, light (Refer to "Lighting Switch")			
79		CLIP, cable (welded inside of battery box front plate)			
80	115 329 R1	GROMMET (on battery box platform) (2)			

§ - Not Furnished Separately.

ELECTRICAL

ELECTRIC STARTING AND LIGHTING (For All Power Shift Crawler Tractors except Arctic Application) Power Shift 1950 to 5469



ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - Continued (For All Power Shift Crawler Tractors except Arctic Application) Power Shift 1950 to 5469			<u>CABLES - Continued</u>		
	<u>CABLES</u>		10		CABLE, magnetic switch to No. 3 terminal on voltage regulator (orange) (order main HARNESS, 650 606 C1)
1	703 055 C1	CABLE, negative (-) terminal on battery to cranking motor (Not used on machine equipped w/2540 hydraulic control unit) Power Shift 1950 to 2037	11		CABLE, No. 2 terminal on voltage regulator to dash connector (light blue) (order main HARNESS, 650 606 C1)
1	704 005 C1	CABLE, negative (-) terminal to battery to cranking motor (Used on machines equipped w/2540 hydraulic control unit) Power Shift 1950 to 2037	12		CABLE, "F" terminal on voltage regulator to No. 2 terminal on alternator (light green) (order main HARNESS, 650 606 C1)
1	704 005 C1	CABLE, negative (-) terminal on battery to cranking motor Power Shift 2038 and up	13		CABLE, "S" terminal on solenoid to magnetic switch "C" terminal (white) (order cranking motor HARNESS, 650 540 C1)
2	264 305 R92	CABLE, battery to battery	14		CABLE, "B" terminal on solenoid magnetic switch "H" terminal (red) (order cranking motor HARNESS, 650 540 C1)
3	703 056 C2	CABLE, master switch to positive (+) terminal on battery	15		CABLE, dash connector to "B" terminal on alternator (brown) (order main HARNESS, 650 606 C1)
4	345 582 R91	CABLE, "B" terminal on solenoid to master switch (Not used on machines equipped w/2540 hydraulic control unit) Power Shift 1950 to 2037	16		CABLE, dash connector to ground on L.H. regulator mounting bolt (black) (order main HARNESS, 650 606 C1)
4	704 004 C1	CABLE, "B" terminal on solenoid to master switch (Used on machines equipped w/2540 hydraulic control unit) Power Shift 1950 to 2037	17		CABLE, dash connector to rear light terminal on light switch (dark blue) (order instrument HARNESS, 650 605 C1)
4	704 004 C1	CABLE, "B" terminal on solenoid to master switch Power Shift 2038 and up	18		CABLE, dash connector to headlight terminal on light switch (dark green) (order instrument HARNESS, 650 605 C1)
5		CABLE, dash connector to rear light connector (dark blue) (order main HARNESS, 650 606 C1)	19		CABLE, dash connector to positive (+) terminal on ammeter (red) (order instrument HARNESS, 650 605 C1)
6		CABLE, dash connector to headlight connector (dark green) (order main HARNESS, 650 606 C1)	20		CABLE, dash connector to starting switch (black-red) (order instrument HARNESS, 650 605 C1)
7		CABLE, dash connector to magnetic switch "H" terminal (red) (order main HARNESS, 650 606 C1)	21		CABLE, dash connector to ground screw on instrument panel (order instrument HARNESS, 650 605 C1)
8		CABLE, dash connector to safety starting switch connector (black-red) (order main HARNESS, 650 607 C1)	22		CABLE, dash connector to negative (-) terminal on ammeter (brown) (order instrument HARNESS, 650 605 C1)
9		CABLE, safety starting switch connector to magnetic switch (white) (order main HARNESS, 650 607 C1)	23		CABLE, dash connector to engine oil pressure switch (light blue) (order instrument HARNESS, 650 605 C1)

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - Continued (For All Power Shift Crawler Tractors except Arctic Applications) Power Shift 1950 to 5469		

CABLES - Continued

24		NOT USED
25	30 436 DA	CABLE, positive (+) terminal on ammeter to starting switch
26		CABLE, R.H. instrument panel light to "H" terminal on light switch (Furnished as part of "Panel Light Package," 603 467 C91)
27	703 059 C1	CABLE, headlight connector to L.H. headlight (gray) (Part of Electrical Lighting)
28	663 092 C1	CABLE, front lamps connector to L.H. front lamp (For machines equipped with Canopy)
29	703 057 C1	CABLE, negative (-) terminal on ammeter to circuit breaker (Not used w/ATTACHMENT, 632 571 C91)
30	703 058 C1	CABLE, "B" terminal on light switch to circuit breaker (Not used w/ATTACHMENT, 632 571 C91)
31		CABLE, L.H. instrument panel light to "H" terminal on light switch (Furnished as part of "Panel Light Package," 603 467 C91)
32		CABLE, power shift housing connector to start switch (black-red) (order power shift housing HARNESS, 650 515 C1)
33		CABLE, power shift housing connector to start switch (white) (order power shift housing HARNESS, 650 515 C1)
34		CABLE, L.H. headlight to R.H. headlight (black) (Part of Electric Lighting Attachment) (For machines equipped with sweeps)
34	703 060 C1	CABLE, L.H. headlight to R.H. headlight (gray) (Part of Electrical Lighting Attachment) (For machines not equipped with sweeps)
35	703 061 C1	CABLE, rear light connector to L.H. rear light (gray) (Part of Electric Lighting)
36	703 071 C1	CABLE, rear light connector to R.H. rear light (gray) (Furnished as part of "Supplementary Rear Light" Attachment)

CABLES - Continued

37		NOT USED
38	650 407 C1	CABLE, magnetic switch to magnetic switch mounting bolt
39		CABLE, No. 1 terminal on alternator (dummy lead) (order main HARNESS, 650 606 C1)
40		CABLE, "G" terminal on alternator to L.H. regulator mounting bolt (order main HARNESS, 650 606 C1)
41	740 184 C1	CABLE, frame terminal on cranking motor to tapping block on R.H. front frame (Replaces 297 909 R92)
42		NOT USED
43	678 253 C1	CABLE, engine oil pressure switch to negative (-) terminal on ammeter (Replaces, 266 757 R91)

MAIN COMPONENTS

101		HEADLIGHT ASSY (Refer to "Headlight and Rear Light") (2)
102		ALTERNATOR ASSY (Refer to Parts Catalog EPC-817B or EPC-817C)
103	706 125 C2	SWITCH, magnetic
	120 376	NUT, 5/16" (2)
	120 614	NUT, # 10 (2)
	179 791	SCREW, hex-hd cap (2)
	120 214	WASHER, 5/16" lock (2)
	120 217	WASHER, # 10 (2)
	103 319	WASHER, 1/4" lock (2)
	173 124	WASHER, 1/4" flat (2)
104		MOTOR, cranking (Refer to Engine Parts Catalog EPC-817B or EPC-817C)
105		REGULATOR ASSY, voltage (Refer to "Voltage Regulator")
106		SWITCH, engine oil pressure (Refer to "Instruments and Related Parts")
107	603 467 C91	PACKAGE, panel light field service (Not used w/ATTACHMENT, 632 571 C91) (2) (Consists of -
		1 GROMMET 273 406 R1
		§ 1 LAMP
		1 WASHER 273 405 R1)
108		SWITCH, starting (Refer to "Starting Switch")
109		AMMETER (Refer to "Instruments and Instrument Panel")
110		SWITCH, light (Refer to "Lighting Switch")

§ - Not Furnished Separately.

ELECTRICAL

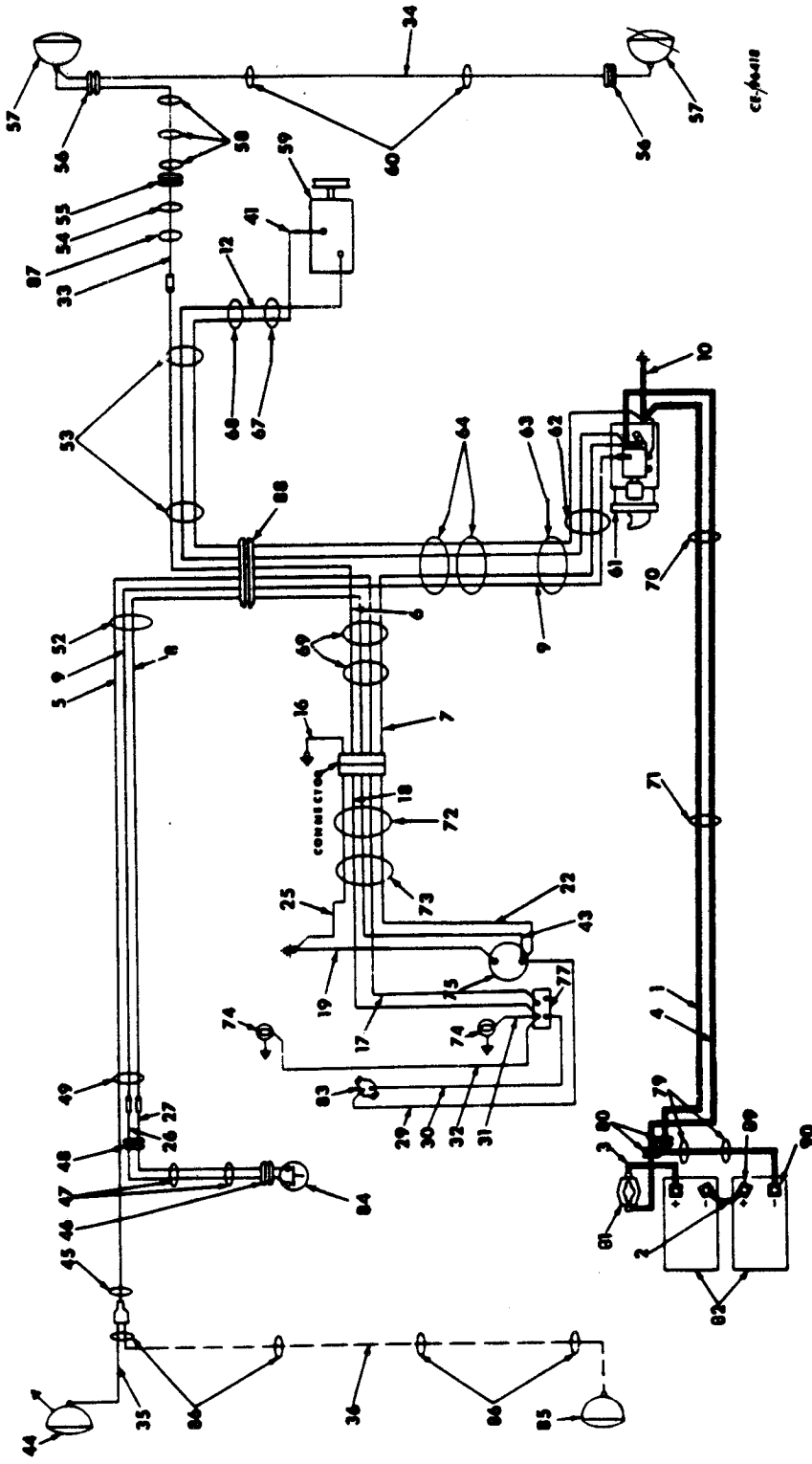
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - Continued (For All Power Shift Crawler Tractors except Arctic Applications) Power Shift 1950 to 5469			CLIPS AND CLAMPS - Continued		
MAIN COMPONENTS - Continued			H	263 717 R91	CLIP, main harness (on alternator bracket rear outer bolt)
111	700 193 C1 100 754 106 496 103 092	BREAKER, circuit (lighting) SCREW, rd-hd slt (2) WASHER, lock (2) NUT (2)	I	617 751 C1 102 635 179 835 103 321	CLIP, cable (on lower L.H. corner of fan shroud) NUT SCREW, hex-hd cap WASHER, lock
112		SWITCH, safety starting (Refer to "Hydraulic Transmission Controls and Related Parts")	J	263 716 R91	CLIP, cable (on top center and bottom bolts of radiator baffle) (3)
113		SWITCH, master (Refer to "Master Switch")	K		CLIP, cable (welded to bottom of radiator guard upper plate) (2)
	109 084 179 795 103 319	NUT SCREW, hex-hd cap WASHER, lock	L		NOT USED
114		BATTERY (Refer to "Batteries and Supports") (2)	M		NOT USED
115		LIGHT ASSY, rear (L.H.) (Refer to "Headlight and Rear Light")	N	604 388 C91	CLIP, cable (on LH diagonal dash near center and bottom) (Replaces, 267 788 R91) (2)
116		LIGHT ASSY, supplementary rear (Part of "Supplementary Rear Light" Attachment)		102 635 179 838 103 321	NUT (2) SCREW, hex-hd cap (2) WASHER, lock (2)
CLIPS AND CLAMPS			O	302 304 R1	CLAMP, cable (on lower surface of instrument panel flange) *
A	263 716 R91 179 814 103 320	CLIP, cable (on tapped holes on front flange of fuel tank support (4) SCREW, hex-hd cap (4) WASHER, lock (4)		102 634 179 814 103 320	NUT SCREW, hex-hd cap WASHER, lock
B	362 120 R1	CLIP, cable (on bottom rear bolt of L.H. seat side sheet)	P	363 444 R1	CLIP, cable (on top flange on dash support crossplate R.H. and L.H. side) (2) NUT (2) SCREW, hex-hd cap (2) WASHER, lock (2)
C		CLIP, cable (welded inside powershift gear selector box) (3)	Q	384 554 R1	CLIP, cable (on forward block on L.H. front support frame)
D	263 514 R91 179 852 103 322	CLIP, cable (On rear tapping block on L.H. fender) * to 1950 SCREW, hex-hd cap WASHER, lock	R	263 717 R91	CLIP, cable (on R.H. front bolt at power take-off location)
D	706 330 C1 179 852 103 322	CLIP, cable (On L.H. side lower bolt of crossmember and platform support) * to 5469 SCREW, hex-hd cap WASHER, lock	S	362 120 R1	CLIP, cable (on piston coolant jet bolt of No. 6 cylinder)
E		NOT USED	T	616 175 C2 103 343	CLAMP, cable (on 5th bolt down on R.H. side of torque converter housing) WASHER, flat
F	362 827 R1 179 881 103 323	CLIP, cable (on tapping blocks on L.H. fender inside of front frame) (2) SCREW, hex-hd cap (2) WASHER, lock (2)	U		NOT USED
G	363 444 R1	CLIP, cable (on crankcase front plate above water pump housing)	V	713 148 C1	CLAMP, cable (on top front bolt of brake pedal bracket flange) (Replaces 617 752 C1)
			W		CLIP, cable (welded inside battery box front plate) (2)
			X		NOT USED
			Y	622 963 C1	CLIP, cable (on upper front wet clutch filter mounting bolt L.H. fender)

* - Serial Number Not Available.

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - Continued - (For All Power Shift Crawler Tractors except Arctic Application) Power Shift 1950 to 5469			<u>HARNESS - Continued</u>		
<u>CLIPS AND CLAMPS - Continued</u>			650 515 C1		HARNESS, power shift housing (Consists of Nos. 32 and 33)
Z	338 059 R1	CLAMP, cable (on L.H. diagonal dash upper support)	650 540 C1		HARNESS, cranking motor (Consists of Nos. 13 and 14) (Not used w/ ATTACHMENT, 632 571 C91)
<u>GROMMETS AND MISCELLANEOUS</u>					
AA	34 048 H	GROMMET, L.H. and R.H. side of radiator guard (Part of Electric Lighting) (2)			
BB	117 961	GROMMET, on L.H. side of bottom radiator baffle			
CC	118 833	GROMMET (on bottom of L.H. seat side sheet)			
DD		NOT USED			
EE	115 329 R1	GROMMET (on battery box platform) (2)			
FF	364 910 R1	BOOT, rubber (in assembly with battery cable) (4)			
GG	624 827 C1	GROMMET, main electrical harness (on lower L.H. dash frame support)			
	273 406 R1	GROMMET, dash light mounting (2)			
	193 093	BULB (24 volt) (2)			
	273 405 R1	WASHER, dash light mounting (2)			
	104 939	CORK #3, head lamp guard (on radiator guard upper shell) (8)			
	104 939	CORK #3, head lamp guard (on radiator guard side plate) (4)			
	117 925	CORK #11, front lamp cable grommet (on radiator guard side plate) (2)			
	117 925	CORK #11, front lamp cable grommet (on radiator guard upper shell) (2)			
<u>HARNESS</u>					
	650 607 C1	HARNESS, main electrical (Consists of Nos. 5 thru 12, 15, 16, 39 and 40) (Not used w/ATTACHMENT, 632 571 C91)			
	650 605 C1	HARNESS, instrument (Consists of Nos. 17 thru 23) (Not used w/ ATTACHMENT, 632 571 C91)			
	103 088	NUT, No. 10-32 (2)			
	100 768	SCREW, No. 10-32 x 1" (Ground on instrument panel)			
	173 122	WASHER, No. 10 lock (2)			
	106 497	WASHER, No. 10 lock			

ELECTRIC STARTING AND LIGHTING
(For Arctic Power Shift Crawler Tractors)
Power Shift 1949 and Below



ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - Continued (For Arctic Power Shift Crawler Tractors) Power Shift 1949 and Below			12		CABLE, output terminal on alternator "B" terminal on solenoid (brown) (order main HARNESS, 650 359 C1)
1	650 385 C2	CABLE, negative (-) terminal on battery to cranking motor (Not used on machines equipped w/2540 hydraulic control unit) Power Shift 2037 and below	16		CABLE, dash connector to instrument panel ground (on junction block mounting bolt) (order main HARNESS, 650 359 C1)
1	650 388 C1	CABLE, negative (-) terminal on battery to cranking motor (Used on machines equipped w/2540 hydraulic control unit) Power Shift 2037 and below	17		CABLE, dash connector to rear light terminal on light switch (dark blue) (order instrument HARNESS, 650 358 C1)
1	650 388 C1	CABLE, negative (-) terminal on battery to cranking motor Power Shift 2038 and up	18		CABLE, dash connector to headlight terminal on light switch (dark green) (order instrument HARNESS, 650 358 C1)
2	650 384 C1	CABLE, battery to battery	19	650 357 C1	CABLE, voltmeter to instrument panel ground screw
3	650 383 C1	CABLE, master switch to positive (+) terminal on battery	22		CABLE, dash connector to ignition terminal on voltmeter (red) (order instrument HARNESS, 650 358 C1)
4	650 386 C1	CABLE, "B" terminal on solenoid to master switch (Not used on machines equipped w/2540 hydraulic control unit) Power Shift 2037 and below	25		CABLE, dash connector to ground screw on instrument panel (order instrument HARNESS, 650 358 C1)
4	650 387 C1	CABLE, "B" terminal on solenoid to master switch (Used on machines equipped w/2540 hydraulic control unit) Power Shift 2037 and below	26		CABLE, starting switch to starting switch connector (order safety starting switch HARNESS, 650 360 C1)
4	650 387 C1	CABLE, "B" terminal on solenoid to master switch Power Shift 2038 and up	27		CABLE, starting switch to starting switch connector (order safety starting switch HARNESS, 650 360 C1)
5		CABLE, dash connector to rear light connector (dark blue) (order main HARNESS, 650 359 C1)	29	650 353 C1	CABLE, ignition terminal on voltmeter to circuit breaker
6		CABLE, dash connector to headlight connector (dark green) (order main HARNESS, 650 359 C1)	30	650 354 C1	CABLE, "B" terminal on light switch to circuit breaker
7		CABLE, dash connector to "B" terminal on solenoid (red) (order main HARNESS, 650 359 C1)	31		CABLE, L.H. instrument panel light to "H" terminal on light switch (Part of "Panel Light", 650 381 C1)
8		CABLE, dash connector to safety starting switch connector (white) (order main HARNESS, 650 359 C1)	32		CABLE, R.H. instrument panel light to "H" terminal on light switch (Part of "Panel Light", 650 381 C2)
9		CABLE, safety starting switch connector to "S" terminal on solenoid (white) (order main HARNESS, 650 359 C1)	33	703 059 C1	CABLE, headlight connector to L.H. headlight (gray) (Part of Electric Lighting Attachment)
10	650 431 C1 454 998 178 591	CABLE, cranking motor ground SCREW, hex-hd cap WASHER, lock	34	663 113 C1	CABLE, L.H. headlight to R.H. headlight (black) (Part of Electric Lighting Attachment) (For machines equipped with sweeps)
			34	703 060 C1	CABLE, L.H. headlight to R.H. headlight (gray) (Part of Electric Lighting Attachment) (For machines not equipped with sweeps)

ELECTRICAL

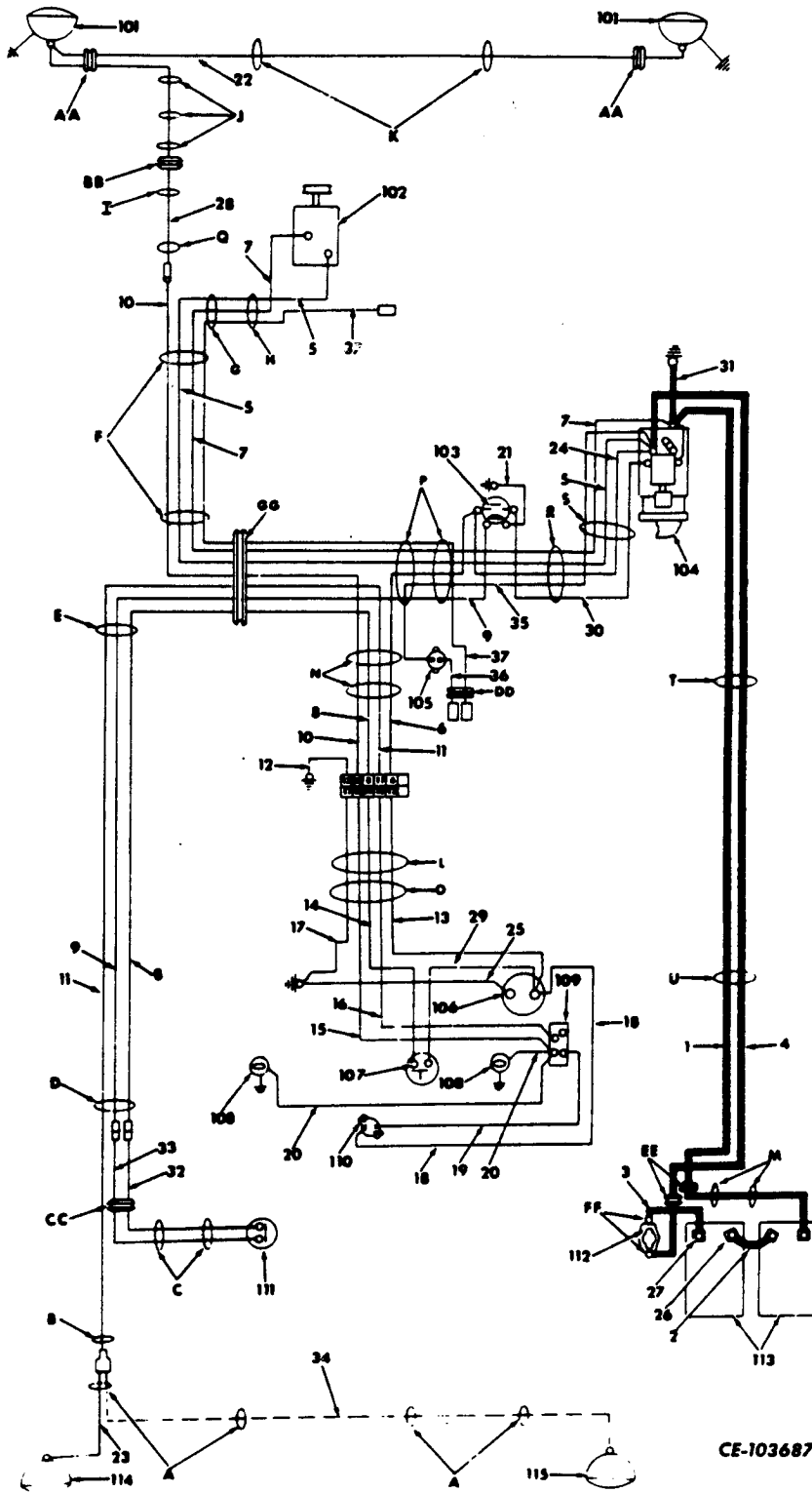
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - Continued (For Arctic Power Shift Crawler Tractors) Power Shift 1949 and Below			57		HEADLIGHT ASSY (For components see list of parts under details of "Headlight and Rear Light") (2)
35	703 061 C1	CABLE, rear light connection to L.H. rear light (gray) (Part of Electric Lighting Attachment)	58	263 716 R91	CLIP, cable (on top, center and bottom bolts of radiator baffle) (3)
36	703 071 C1	CABLE, rear light connector to R.H. rear light (gray) (Part of "Supplementary Rear Light" Attachment)	59		ALTERNATOR w/an integral regulator (Refer to Parts Catalog EPC-817B)
41		CABLE, cranking motor to ground screw on alternator (order main HARNESS, 650 359 C1)	60		CLIP, cable (welded to bottom of radiator guard upper plate) (2)
43		CABLE, dash connector to ignition terminal on voltmeter (white) (order instrument HARNESS, 650 359 C1)	61		MOTOR ASSY, cranking (Refer to Engine Parts Catalog EPC-817B)
44		LIGHT ASSY, rear (L.H.) (For components see list of parts under details of "Headlight and Rear Light")	62	362 120 R1	CLIP, cable (on piston coolant jet bolt of No. 6 cylinder)
45	362 120 R1	CLIP, cable (on bottom rear bolt of L.H. seat side sheet)	63	263 717 R91	CLIP, cable (on R.H. front bolt at power take-off location)
46	617 259 C1	GROMMET, safety switch harness (on starting safety switch lock cam bracket)	64	363 444 R1	CLIP, cable (on top flange on dash support cross plate near center and L.H. side) (2)
47		CLIP, cable (welded inside powershift gear selector box) (2)		102 635	NUT (2)
48	118 833	GROMMET, (on bottom of L.H. seat side sheet)		179 838	SCREW, hex-hd cap (2)
49	263 514 R91	CLIP, cable (on rear tapping block of L.H. fender)		103 321	WASHER, lock (2)
	179 952	SCREW, hex-hd cap	67	263 717 R91	CLIP, cable (on alternator mounting bolt)
	103 322	WASHER, lock	68	363 444 R1	CLIP, cable (on crankcase front plate above water pump housing)
52	622 963 C1	CLIP, cable (on bolt at upper front filter mount on L.H. fender)	69	604 388 C91	CLIP, cable (on LH diagonal dash support near center and bottom)(Replaces, 267 788 R91) (2)
	179 839	SCREW, hex-hd cap		102 635	NUT (2)
	102 635	NUT		179 838	SCREW, hex-hd cap (2)
	103 321	WASHER, lock	70	616 175 C2	CLAMP, cable (on 5th bolt down on R.H. side of torque converter housing)
53	362 827 R1	CLIP, cable (on tapping block of L.H. inside of front frame) (2)		103 343	WASHER, flat
	179 881	SCREW, hex-hd cap (2)	71	713 148 C1	CLAMP, cable (on top front bolt of brake pedal bracket flange) (Replaces 617 752 C1)
	103 323	WASHER, lock (4)	72	302 304 R1	CLAMP, cable (on lower surface of instrument panel flange)
54	617 751 C1	CLIP, cable (on lower L.H. corner of fan shroud)		102 634	NUT
	102 635	NUT		179 814	SCREW, hex-hd cap
	179 839	SCREW, hex-hd cap	73		REGULATOR ASSY, voltage (Refer to "Voltage Regulator")
	103 321	WASHER, lock	74	650 381 C2	LIGHT, instrument panel (2)
55	117 961	GROMMET (on L.H. side of bottom radiator baffle)		273 406 R1	GROMMET, dash light mounting (2)
56	34 048 H	GROMMET (on R.H. and L.H. side of radiator guard) (Part of Electric Lighting Attachment) (2)		273 405 R1	WASHER, dash light mounting (2)
				193 093	BULB (24 volt) (2)

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - Continued (For Arctic Power Shift Crawler Tractors) Power Shift 1949 and Below			104	939	CORK #3, headlamp guard (on radiator guard side plate) (4)
			117	925	CORK #11, front lamp cable grommet (on radiator guard side plate) (2)
75		VOLTMETER (Refer to "Instruments and Instrument Panel")			
77		SWITCH, light (Refer to "Lighting Switch")			
79		CLIP, cable (welded inside of battery box front plate)			
80	115 329 R1	GROMMET (on battery box platform (2))			
81		SWITCH, master (Refer to "Master Switch")			
82		BATTERY (Refer to "Batteries and Supports") (2)			
83	124 087 H1 103 092 100 754 106 496	BREAKER, circuit NUT (2) SCREW, rd-hd-slt (2) WASHER, lock (2)			
84		SWITCH, starting (Refer to "Starting Switch")			
85		LIGHT ASSY, supplementary rear (Part of "Supplementary Rear Light" Attachment)			
86	263 716 R91 179 814 103 320	CLIP, cable (on tapped holes on front flange of fuel tank support) (4) SCREW, hex-hd cap (4) WASHER, lock (4)			
87	384 554 R1	CLIP, cable (on forward block on L.H. front support frame)			
88	283 854 C1	GROMMET, main electrical harness (on lower L.H. dash frame support)			
89	284 966 R91	TERMINAL ASSY, positive (+) (2)			
90	284 967 R91	TERMINAL ASSY, negative (-) (2)			
	650 360 C1	HARNESS, starting safety switch (Consists of Ref. Nos. 26 and 27)			
	650 358 C1	HARNESS, instrument (consists of Ref. Nos. 17, 18, 22, 25 and 43)			
	103 088 100 768 173 122	NUT (2) SCREW, hex-hd cap (Ground on instrument panel) WASHER, lock (3)			
	650 359 C1	HARNESS, main electrical (consists of Ref. Nos. 5, 9, 12, 16 and 41)			
	104 939	CORK #3, headlamp guard (on radiator guard upper shell) (8)			

ELECTRICAL

ELECTRIC STARTING AND LIGHTING
(For Arctic Power Shift Crawler Tractors)
Power Shift 1950 to 5469



ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - Continued (For Arctic Power Shift Crawler Tractors) Power Shift 1950 to 5469			CABLES - Continued		
	<u>CABLES</u>		17		CABLE, dash connector to instrument panel ground screw (order instrument HARNESS)
1	650 388 C1	CABLE, negative (-) terminal on battery to cranking motor	18	678 253 C1	CABLE, "IGN" terminal on voltmeter to circuit breaker
2	650 384 C1	CABLE, battery to battery	19	650 354 C1	CABLE, circuit breaker to "B" terminal on light switch
3	650 383 C1	CABLE, master switch to positive (+) terminal on battery	20		CABLE, L.H. and R.H. instrument panel lamps to "H" terminal on light switch (Part of LIGHT, 650 381 C2)
4	650 387 C1	CABLE, "B" terminal on solenoid to master switch	21	650 407 C1	CABLE, magnetic switch to magnetic switch mounting bolt
5		CABLE, "B" terminal on solenoid to positive (+) output on alternator (red) (order main HARNESS)	22	663 113 C1	CABLE, L.H. front lamp to R.H. front lamp (black) (Part of Electric Lighting Attachment) (For machines equipped with sweeps)
6		CABLE, "H" terminal on magnetic switch to dash connector (red) (Order main HARNESS)	22	703 060 C1	CABLE, L.H. front lamp to R.H. front lamp (gray) (Part of Electric Lighting Attachment) (For machines not equipped with sweeps)
7		CABLE, cranking motor frame bolt to ground screw on alternator (black) (order main HARNESS)	23	703 061 C1	CABLE, rear lamps connector to L.H. rear lamp (Part of Electric Lighting Attachment)
8		CABLE, dash connector to power shift housing harness connector (black-red) (order main HARNESS)	24		CABLE, "H" terminal on magnetic switch to "B" terminal on solenoid (red) (order main HARNESS)
9		CABLE, power shift housing harness connector to magnetic switch (white) (order main HARNESS)	25	650 357 C1	CABLE, negative (-) terminal on voltmeter to instrument panel ground screw
10		CABLE, dash connector to front lamps connector (dark green) (order main HARNESS)	26	284 967 R91	TERMINAL, negative (-) battery cable (2)
11		CABLE, dash connector to rear lamps connector (dark blue) (order main HARNESS)	27	284 966 R91	TERMINAL, positive (+) battery cable (2)
12		CABLE, dash connector to ground (order main HARNESS)	28	703 059 C1	CABLE, front lamps connector to L.H. front lamp (Part of Electric Lighting Attachment)
13		CABLE, dash connector to "IGN" terminal on voltmeter (red) (order instrument HARNESS)	29		CABLE, "IGN" terminal on voltmeter to start switch (red) (order instrument HARNESS)
14		CABLE, dash connector to start switch (black-red) (order instrument HARNESS)	30		CABLE, "C" terminal on magnetic switch to "S" terminal on solenoid (white) (order main HARNESS)
15		CABLE, dash connector to "H" terminal on light switch (dark green) (order instrument HARNESS)	31	650 431 C2	CABLE, cranking motor frame to tapping block to R.H. front frame
16		CABLE, dash connector to "R" terminal on light switch (dark blue) (order instrument HARNESS)			

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING – Continued (For Arctic Power Shift Crawler Tractors) Power Shift 1950 to 5469			MAIN COMPONENTS - Continued		
<u>CABLES - Continued</u>			110	124 087 H1 103 092 100 754 106 496	BREAKER, lighting circuit NUT (2) SCREW, rd-hd slotted (2) WASHER, lock (2)
32		CABLE, start switch to connector (black-red) (order safety start switch HARNESS)	111		SWITCH, safety starting (Refer to "Hydraulic Transmission Controls and Related Parts")
33		CABLE, start switch to converter (white) (order safety start switch HARNESS)	112		SWITCH, master (Refer to "Master Switch")
34	703 071 C1	CABLE, rear lamp connector to R.H. rear lamp (gray) (Part of Supplementary Rear Lamp Attachment)	113		BATTERY (Refer to "Batteries and Supports") (2)
35		CABLE, "B" terminal on solenoid to cab circuit breaker (brown) (order main HARNESS)	114		LIGHT ASSY, rear L.H. (Refer to "Headlight and Rear Light")
36	651 837 C1	CABLE, cab circuit breaker to power connector	115		LIGHT ASSY, supplementary rear (Refer to "Headlight and Rear Light")
37		CABLE, magnetic clutch connector to cab magnetic clutch switch connector (yellow) (order main HARNESS)	<u>CLIPS AND CLAMPS</u>		
<u>MAIN COMPONENTS</u>			A	263 716 R91 179 818 103 320	CLIP, cable (on tapped hole on front flange of fuel tank support) (4) SCREW, hex-hd cap (4) WASHER, lock (4)
101		HEADLIGHT ASSY (Refer to "Headlight and Rear Light") (2)	B	362 120 R1	CLIP, cable (on bottom rear bolt of L.H. seat side sheet)
102		ALTERNATOR w/an intergral regulator (Refer to Parts Catalog EPC-817B or EPC-817C)	C		CLIP, cable (welded inside transmission control tower housing)
103	706 125 C2 120 376 120 614 179 791 120 214 120 217 103 319 173 124	SWITCH, magnetic NUT, 5/16" (2) NUT, #10 (2) SCREW, hex-hd cap (2) WASHER, 5/16" lock (2) WASHER, #10 (2) WASHER, 1/4" lock (2) WASHER, 1/4" (2)	D	263 514 R91 179 852 103 322	CLIP, cable (On rear tapping block of L.H. fender) * to 1950 SCREW, hex-hd cap WASHER, lock
104		MOTOR ASSY, cranking (Refer to Engine Parts Catalog EPC-817B or EPC-817C)	D	706 330 C1 179 852 103 322	CLIP, cable (On L.H. side lower bolt of crossmember and platform support) * to 5469 SCREW, hex-hd cap WASHER, lock
105	213 383 H1 120 614 132 930 120 217	BREAKER, cab circuit (also part of attachment 715 687 C91) NUT (2) SCREW, hex-hd cap (2) WASHER, lock (2)	E	363 444 R1 102 635 179 839 103 321	CLIP, cable (on L.H. fender) NUT SCREW, hex-hd cap WASHER, lock
106		VOLTMETER (Refer to "Instruments and Instrument Panel")	F	362 827 R1 179 881 103 323	CLIP, cable (on tapping blocks on L.H. inside of front frame) (2) SCREW, hex-hd cap (2) WASHER, lock (4)
107		SWITCH, starting (Refer to "Starting Switch")	G	363 444 R1	CLIP, cable (on crankcase front plate above water pump housing)
108	650 381 C2 193 093	LIGHT, instrument panel (2) BULB (24 volt) (2)			
109		SWITCH, lighting (Refer to "Lighting Switch")			

* - Serial Number Not Available.

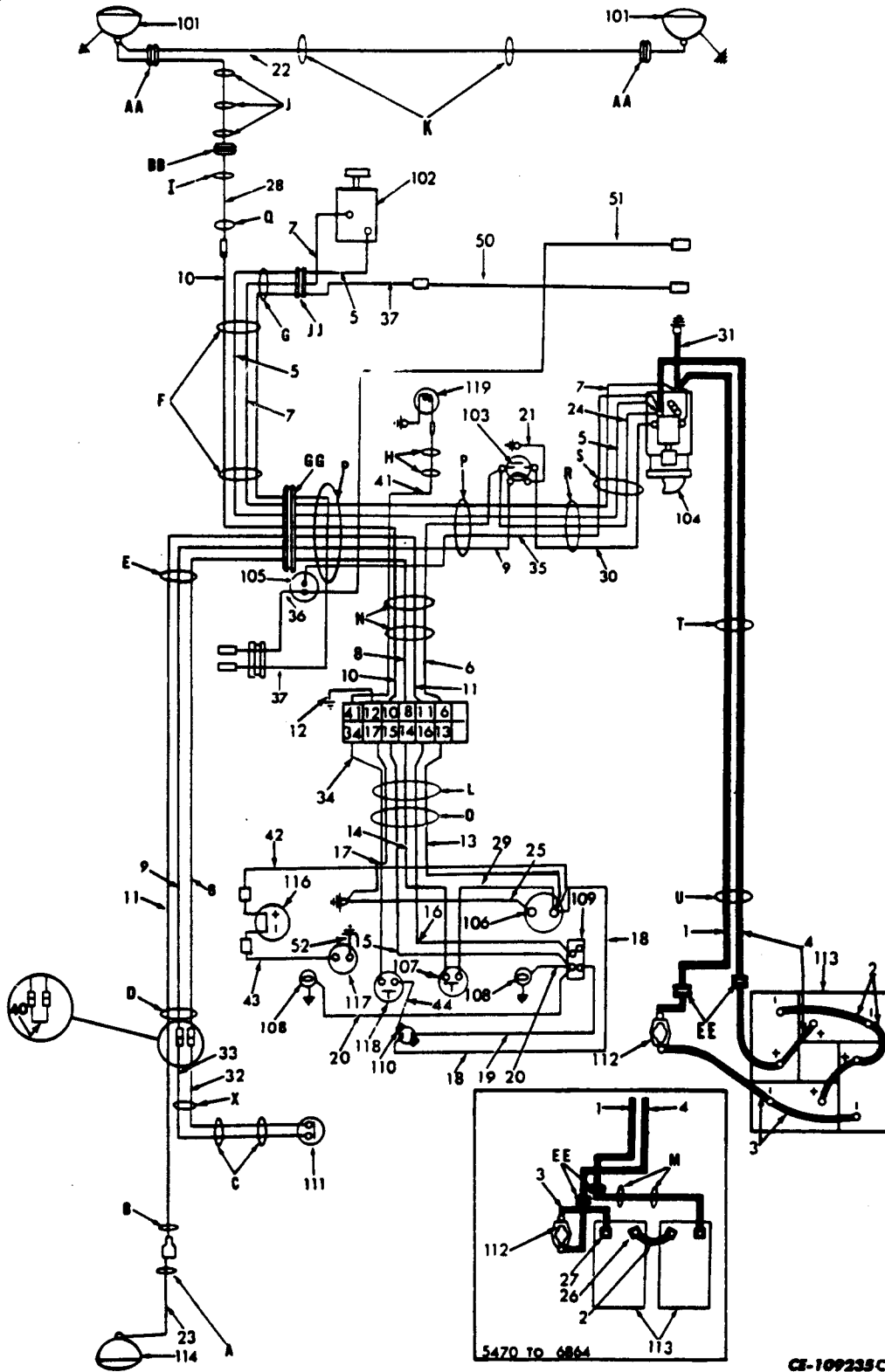
ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING — Continued (For Arctic Power Shift Crawler Tractor) Power Shift 1950 to 5469					
<u>CLIPS AND CLAMPS - Continued</u>			<u>GROMMETS</u>		
H	263 717 R91	CLIP, cable (on alternator mounting)	AA	34 048 H	GROMMET (on R.H. and L.H. side of radiator guard) (2)
I	617 751 C1	CLIP, cable (on lower L.H. corner of fan shroud)	BB	117 961	GROMMET (on L.H. side of bottom radiator baffle)
	102 635	NUT	CC	118 833	GROMMET (on bottom of L.H. seat side sheet)
	179 835	SCREW, hex-hd cap	DD	63 323 D	GROMMET (on L.H. side of dash)
	103 321	WASHER, lock	EE	115 329 R1	GROMMET (on battery box platform) (2)
J	263 716 R91	CLIP, cable (on top center and bottom bolts of L.H. radiator baffle) (3)	FF	364 910 R1	GROMMET (in assembly with battery cable) (4)
K		CLIP, cable (welded to bottom of radiator guard upper plate) (2)	GG	624 827 C1	GROMMET (on lower L.H. dash frame support)
L	338 059 R1	CLAMP, cable (on upper L.H. diagonal dash support)	<u>HARNESS</u>		
	102 635	NUT	651 839 C1	HARNESS, main (Consists of cables 5 thru 12, 30, 35 and 37) (Not used w/ATTACHMENT, 632 571 C91)	
	179 839	SCREW, hex-hd cap	650 358 C2	HARNESS, instrument (Consists of Cables 13 thru 17 and 29)	
	103 321	WASHER, lock	650 515 C1	HARNESS, safety starting switch (Consists of Cables 32 and 33)	
M		NOT USED			
N	604 388 C91	CLIP, cable (on LH diagonal support near center and bottom)(Replaces, 267 788 R91) (2)			
	102 635	NUT (2)			
	179 838	SCREW, hex-hd cap (2)			
	103 321	WASHER, lock (2)			
O	302 304 R1	CLAMP, cable (on top flange of instrument panel)			
	102 634	NUT			
	179 814	SCREW, hex-hd cap			
	103 320	WASHER, lock			
P	363 444 R1	CLIP, cable (on top flange on dash support cross plate - R.H. and L.H. sides) (2)			
	102 635	NUT			
	179 838	SCREW, hex-hd cap			
	103 321	WASHER, lock			
Q	384 554 R1	CLIP, cable (on forward tapping block on L.H. front support frame)			
R	263 717 R91	CLIP, cable (on R.H. front bolt at power take-off location)			
S	362 120 R1	CLIP, cable (on piston coolant jet bolt of 6th cylinder)			
T	616 175 C2	CLAMP, cable (on 5th bolt down on R.H. side of torque converter housing)			
	103 343	WASHER, flat			
U	713 148 C1	CLAMP, cable (on top front bolt of brake pedal bracket flange) (replaces 617 752 C1)			

ELECTRICAL

ELECTRICAL STARTING AND LIGHTING

(Power Shift)
(Manual Shift)
5470 and up



ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRICAL STARTING AND LIGHTING — Continued					
(Power Shift)					
(Manual Shift)					
5470 and up					
		<u>CABLES</u>			
1	650 388 C1	CABLE, negative (–) terminal on battery to cranking motor (%)	10		CABLE, dash connector to front lamp connector (Dark Green) (Order main HARNESS)
1	704 005 C1	CABLE, negative (–) terminal on battery to cranking motor (*) 5470 to 6864	11		CABLE, dash connector to rear lamps connector (Dark Blue) (Order main HARNESS)
1	740 449 C1	CABLE, master switch to cranking motor (Black) (*) 6865 and up	12		CABLE, dash connector to ground (Order main HARNESS)
2	650 384 C1	CABLE, battery to battery (%)	13		CABLE, dash connector to "IGN" terminal on voltmeter (Red) (Order instrument HARNESS)
2	264 305 R92	CABLE, battery to battery (*) 5470 to 6864	14		CABLE, dash connector to start switch (Black/Red) (Order instrument HARNESS)
2	740 140 C1	CABLE, battery to battery (Black) (*) 6865 and up	15		CABLE, dash connector to "H" terminal on light switch (Dark Green) (Order instrument HARNESS)
3	650 383 C1	CABLE, master switch to positive (+) terminal on battery (%)	16		CABLE, dash connector to "R" terminal on light switch (Dark Blue) (Order instrument HARNESS)
3	703 056 C2	CABLE, master switch to positive (+) terminal on battery (*) 5470 to 6864	17		CABLE, dash connector to instrument panel ground screw (Order instrument HARNESS)
3	740 141 C1	CABLE, master switch to negative (–) terminal on battery (Black) (*) 6865 and up	18	678 253 C1	CABLE, "IGN" terminal on voltmeter to circuit breaker
4	650 387 C1	CABLE, "B" terminal on solenoid to master switch (%)	19	650 354 C1	CABLE, circuit breaker to "B" terminal on light switch
4	704 004 C1	CABLE, "B" terminal on solenoid to master switch (*) 5470 to 6864	20	650 381 C2	CABLE, L.H. and R.H. instrument panel lamps to "H" terminal on light switch (2)
4	740 139 C1	CABLE, positive (+) terminal on battery to "B" terminal on solenoid (Red) (*) 6865 and up	21	650 407 C1	CABLE, magnetic switch to magnetic switch mounting bolt
5		CABLE, "B" terminal on solenoid to positive (+) output on alternator (Red) (Order main HARNESS)	22	703 060 C1	CABLE, L.H. front lamp to R.H. front lamp
6		CABLE, "H" terminal on magnetic switch to dash connector (Red) (Order main HARNESS)	23	703 061 C1	CABLE, rear lamps connector to L.H. rear lamp
7		CABLE, cranking motor frame bolt to ground screw on alternator (Black) (Order main HARNESS)	24		CABLE, "H" terminal on magnetic switch to "B" terminal on solenoid (Red) (Order main HARNESS)
8		CABLE, dash connector to power shift housing harness connector (Black/Red) (Order main HARNESS)	25	650 357 C1	CABLE, negative (–) terminal on voltmeter to instrument panel ground screw
9		CABLE, power shift housing harness connector to magnetic switch (White) (Order main HARNESS)	26	284 967 R91	TERMINAL, negative (–) battery cable (%) (2)
			27	284 966 R91	TERMINAL, positive (+) battery cable (%) (2)
					(%) - For Arctic Tractors.
					(*) - Not for Arctic Tractors.

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRICAL STARTING AND LIGHTING – Continued (Power Shift) (Manual Shift) 5470 and up			42	709 267 C1	CABLE, hourmeter positive to volt meter positive, 5486 and up
CABLES - Continued			43	650 894 C1	CABLE, hourmeter negative connector to engine oil pressure switch, 5486 and up
28	703 059 C1	CABLE, front lamps connector to L.H. front lamp	44		CABLE, circuit breaker to ether switch (refer to "ETHER INJECTOR - ELECTRIC") 6380 and up
29		CABLE, "IGN" terminal on voltmeter to start switch (Red) (Order instrument HARNESS)	50	635 577 C1	CABLE, magnetic clutch connector to air conditioner connector (Black/Orange) (Used w/AIR CONDITIONER)
30		CABLE, "C" terminal on magnetic switch to "S" terminal on solenoid (White) (Order main HARNESS)	51	635 578 C1	CABLE, circuit breaker to air conditioner power connector (Orange) (Used w/AIR CONDITIONER)
31	650 431 C2	CABLE, cranking motor frame to tapping block on R.H. front frame (%)	52	266 098 R91	CABLE, engine oil pressure switch to instrument panel ground screw (Used w/external ground pressure switch only) 5486 to *
	454 998 178 591	SCREW, 1/2 x 1" hex-hd cap WASHER, 1/2" lock (2)	MAIN COMPONENTS		
31	740 184 C1	CABLE, cranking motor frame to tapping block on R.H. front frame (Replaces 297 909 R92) (*)	101		HEADLIGHT ASSY. (For components, see list of parts under details of "Headlight and Rear Light") (2) LOCKWASHER (3)
	454 998 178 591	SCREW, hex-hd cap WASHER, lock (2)		138 530	
32		CABLE, start switch to connector (Black/Red) (Order safety start switch HARNESS) (Power Shift)	102		ALTERNATOR w/integral REGULATOR (For components, refer to Parts Catalog, EPC-817B or EPC-817C)
33		CABLE, start switch to connector (White) (Order safety start switch HARNESS) (Power Shift)	103	706 125 C2	SWITCH, magnetic
34		CABLE, dash connector to ether switch (light blue) (order instrument HARNESS)		120 376	NUT, 5/16" (2)
35		CABLE, "B" terminal on solenoid to cab circuit breaker (Brown) (Order main HARNESS) (When machine is not equipped with cab, strap ends back to harness w/STRAP, 702 093 C1)		120 614	NUT, No. 10 (2)
				179 791	SCREW, hex-hd cap (2)
				120 214	WASHER, 5/16" lock (2)
				120 217	WASHER, No. 10 (2)
				103 319	WASHER, 1/4" lock (2)
				173 124	WASHER, 1/4" (2)
			104		MOTOR ASSY., cranking (Refer to Parts Catalog EPC-817B or EPC-817C)
36	651 837 C1	CABLE, cab circuit breaker to power connector	105	213 383 H1	BREAKER, cab circuit (Also part of attachment 715 687 C91)
37		CABLE, magnetic clutch connector to cab magnetic clutch switch connector (Yellow) (Order main HARNESS) (For machines equipped w/AIR CONDITIONING) (For machines not equipped w/AIR CONDITIONING or CAB, strap ends back to main harness w/STRAP, 702 093 C1)		120 614	NUT (2)
				132 930	SCREW, hex-hd cap (2)
				120 217	WASHER, lock (2)
			106		VOLTMETER (Listed and illustrated with "Instruments and Instrument Panel")
			107		SWITCH, starting (For components, see list of parts under details of "Starting Switch")
40	650 668 C1	CABLE, connector to connector (Manual Shift)	108	650 381 C2 193 093	LIGHT, instrument panel (2) BULB, light (Trade No. 623) (2)
41		CABLE, dash connector to ether injector (light blue) (order main HARNESS)			(%) - For Arctic Tractors. (*) - Not For Arctic Tractors. (#) - Serial Number Not Available.

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRICAL STARTING AND LIGHTING – Continued			E	622 963 C1	CLIP, cable (On L.H. fender)
(Power Shift)				102 635	NUT, 3/8"
(Manual Shift)				179 839	SCREW, 3/8 x 1" hex-hd cap
5470 and up				103 321	WASHER, 3/8" lock
109		SWITCH, lighting (For components, see list of parts under details of "Lighting Switch")	F	362 827 R1	CLIP, cable (On tapping blocks on L.H. inside of front frame) (2)
				179 881	SCREW, 1/2 x 1" hex-hd cap (2)
				103 323	WASHER, 1/2" lock (4)
110	124 087 H1	BREAKER, lighting circuit	G	604 388 C91	CLIP, cable (On crankcase front plate above water pump housing)
	103 092	NUT (2)			
	100 754	SCREW, rd-hd slotted (2)	H	702 093 C1	STRAP (to turbo lube supply tube)
	106 496	WASHER (2)	I	617 751 C1	CLIP, cable (On lower L.H. corner of fan shroud)
111		SWITCH, safety starting (Listed and illustrated with "Hydraulic Transmission Controls and Related Parts") (Power Shift)		102 635	NUT, 3/8"
				179 835	SCREW, 3/8 x 5/8" hex-hd cap
				103 321	WASHER, 3/8" lock
112		SWITCH, master (For components, see list of parts under details of "Master Switch")	J	263 716 R91	CLIP, cable (On top center and bottom bolts of L.H. radiator baffle) (3)
113		BATTERY (Refer to "Batteries and Mounting")	K		CLIP, cable (Welded to bottom of radiator guard upper plate) (2)
		(2) 5470 to 6864	L	338 059 R1	CLAMP, cable (On upper L.H. diagonal dash support)
		(4) 6865 and up		102 635	NUT, 3/8"
114		LIGHT ASSEMBLY, L.H. rear (For components, see list of parts under details of "Headlight and Rear Light")		179 839	SCREW, 3/8 x 1" hex-hd cap
				103 321	WASHER, 3/8" lock
116		HOURLMETER (Refer to "Instruments and Related Parts")	M		CLIP, cable (Welded inside battery box front plate) (*) (2)
117		SWITCH, engine oil pressure (Refer to "Instruments and Related Parts")	N	604 388 C91	CLIP, cable (On L.H. diagonal support rear center and bottom) (2)
				102 635	NUT, 3/8" (2)
				179 838	SCREW, 3/8 x 7/8" hex-hd cap (2)
				103 321	WASHER, 3/8" lock (2)
118		INJECTOR-ELECTRIC")	O	308 581 R1	CLAMP, cable (on lower surface of instrument panel flange. % and up
		6380 and up		179 814	BOLT
119		INJECTOR-ELECTRIC")		102 634	NUT
		6380 and up		103 320	WASHER, lock
			O	302 304 R1	CLAMP, cable (on top flange of instrument panel) % and below
				102 634	NUT, 5/16"
				179 814	SCREW, 5/16 x 5/8" hex-hd cap
				103 320	WASHER, 5/16" lock
A	263 716 R91	CLIP, cable (On tapped hole on front flange of fuel tank support)	P	604 388 C91	CLIP, cable (On top flange on dash support cross plate) (R.H. and L.H. sides) (2)
	179 818	SCREW, hex-hd cap		102 635	NUT, 3/8" (2)
	103 320	WASHER, lock		179 838	SCREW, 3/8 x 1" hex-hd cap (2)
B	362 120 R1	CLIP, cable (On bottom rear bolt of L.H. seat side sheet)		103 321	WASHER, 3/8" lock (2)
C		CLIP, cable (Welded inside transmission control tower housing)			
D	706 330 C1	CLIP, cable (On rear tapping block of L.H. fender)			
	25 676 R1	SCREW, hex-hd cap			
	25 537 R1	WASHER, lock			

CLIPS AND CLAMPS

(*) - Not for Arctic Tractors.

(%) - For Artic Tractors

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - Continued			<u>HARNESSES</u>		
(Power Shift)			651 839 C93		HARNESSES, main (Consists of CABLES, 5 thru 12, 24, 30, 35, 37 and 41)
(Manual Shift)			650 358 C3		HARNESSES, instrument (Consists of CABLES, 13 thru 17, 29 and 34)
Q	384 554 R1	CLIP, cable (On forward tapping block on L.H. front support frame)	100 768		SCREW, No. 10NF x 1" slit-rd-hd machines (Ground on instrument panel)
R	267 787 R91	CLIP, cable (On R.H. front bolt at power take-off location)	103 088		NUT, No. 10NF (2)
S	604 388 C91	CLIP, cable (On piston coolant jet bolt of sixth cylinder)	173 122		WASHER, No. 10 lock (2)
T	616 175 C2	CLAMP, cable (On fifth bolt down on R.H. side of torque converter housing) (Power Shift)	106 497		WASHER, No. 10 lock
	103 343	WASHER, 17/32" flat	650 515 C1		HARNESSES, safety starting switch (Consists of CABLES, 32 and 33) (Power Shift)
T	617 752 C1	CLAMP, cable (On fifth bolt down on R.H. side of torque converter housing) (Manual Shift)	715 687 C91		ATTACHMENT, circuit breaker (For use w/CAB ATTACHMENT) (Consists of -
	103 343	WASHER, flat			1 BREAKER, circuit 213 383 R1
U	713 148 C1	CLAMP, cable (On top front bolt of brake pedal bracket flange) (%)			2 SCREW 132 930
U	617 752 C1	CLAMP, cable (On top front bolt of brake pedal bracket flange) (*)			2 WASHER 120 217
					2 NUT 120 614
					1 DRAWING)
X	306 132 C1	STRAP (to pilot valve hose)			
	702 093 C1	STRAP (4)			
<u>GROMMETS</u>					
AA	34 048 H	GROMMET (On R.H. and L.H. side of radiator guard) (2)			
BB	117 961	GROMMET (On L.H. side of bottom radiator baffle)			
CC	118 833	GROMMET (On bottom of L.H. seat side sheet)			
DD	300 646 R1	GROMMET (On L.H. side of dash)			
DD	633 230	GROMMET (On L.H. side of dash) (For machines equipped w/Air Conditioning)			
EE	115 329 R1	GROMMET (On battery box) (2)			
GG	624 827 C1	GROMMET (On lower L.H. dash frame support)			
JJ	611 321 C1	GROMMET (On back edge of alternator mounting bracket)			

(%) - For Arctic Tractors.
 (*) - Not For Arctic Tractors.
 (Ø) - Not Furnished Separately.

ELECTRICAL

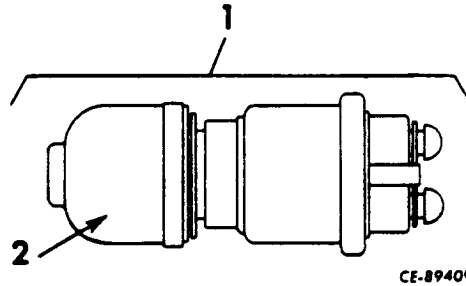
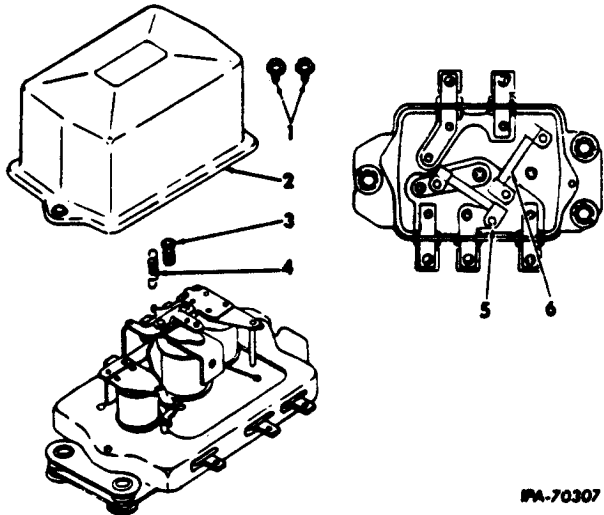
MEMORANDA

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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VOLTAGE REGULATOR
(Not for Arctic Power Shift
(Delco-Remy)
5469 and below

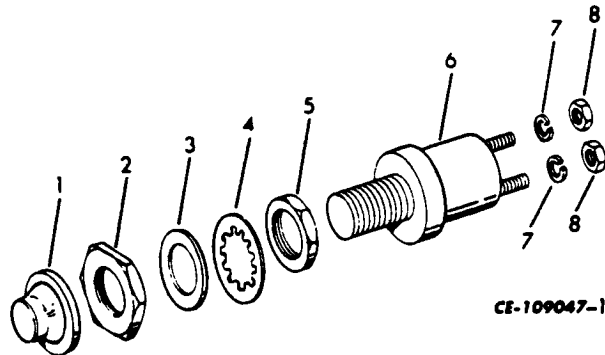
STARTING SWITCH
1949 and below



1	700 395 C91	SWITCH w/CAP and FACE NUT, 702 268 C1 starting
2	702 268 C1	CAP and FACE NUT

STARTING SWITCH
(Delco-Remy)
1950 and up

1	119 518	REGULATOR ASSY., voltage
	20 043 R1	SCREW, hex-hd cap (2)
	120 423	WASHER, internal-tooth lock
	120 380	WASHER, lock (2)
		(Consists of the following parts -
1	1 943 386	SCREW, cover attaching (2)
2		COVER, regulator (Not furnished separately)
3	1 958 148	SCREW, adjusting
4	1 958 137	SPRING, adjusting screw
5	1 956 235	RESISTOR
6	1 960 347	RESISTOR



Always Give VOLTAGE REGULATOR Number When Ordering Parts.

	453 453 C1	SWITCH (Service parts not available)
	or	
	1 996 098	SWITCH ASSY., starting (Consists of the following parts -
1		CAP (Not furnished separately)
2	1 968 171	NUT
3	1 913 828	WASHER
4	138 557	WASHER, internal tooth lock
5	1 914 379	NUT, hex
6		BODY (Not furnished separately)
7	120 217	WASHER, terminal lock (2)
8	453 284	NUT, terminal hex (2)

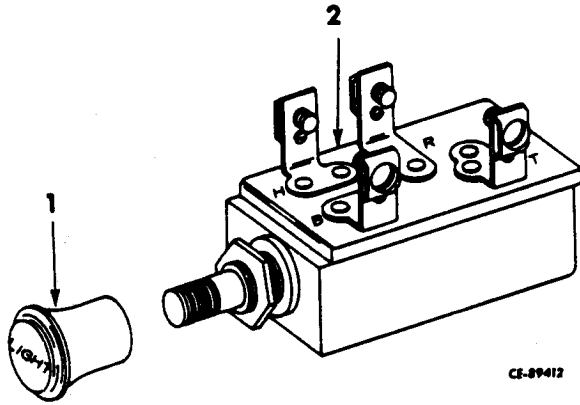
ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION
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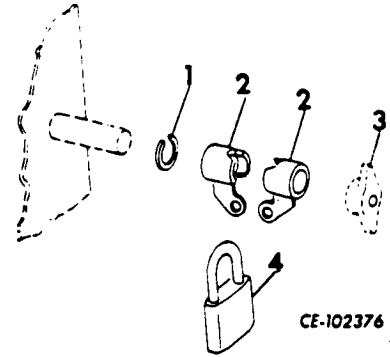
REF. NO.	PART NUMBER	DESCRIPTION
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LIGHTING SWITCH

MASTER SWITCH LOCK



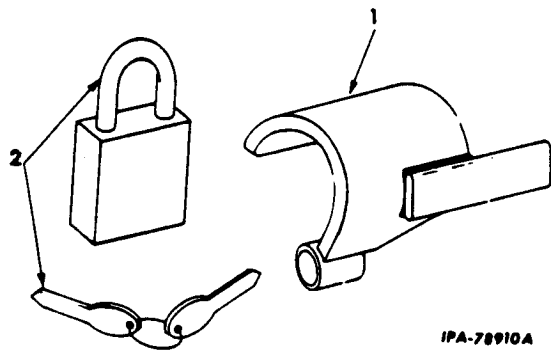
- 1 606 299 C91 KNOB, lighting switch
- 2 606 298 C91 SWITCH, lighting
141 707 WASHER, internal-tooth lock



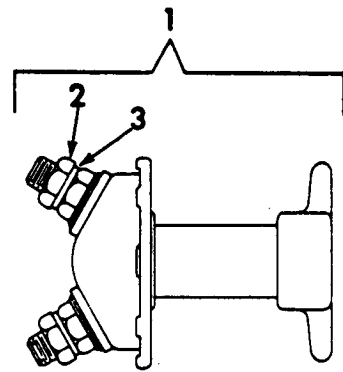
- 1 NOT USED
- 2 650 937 C1 SLEEVE, lock (2)
- 3 KNOB, master switch (Reference only)
- 4 650 382 C91 PADLOCK w/KEYS

MASTER SWITCH LOCK

**MASTER SWITCH
(Delco-Remy)**



- 1 314 751 R31 LOCK, master switch (order two
SLEEVE, 650 937 C1)
109 084 NUT
179 800 SCREW, hex-hd cap
103 319 WASHER, lock
16 558 R1 WASHER, flat
314 753 R1 SPACER, master switch lock
- 2 650 382 C91 PADLOCK w/KEYS



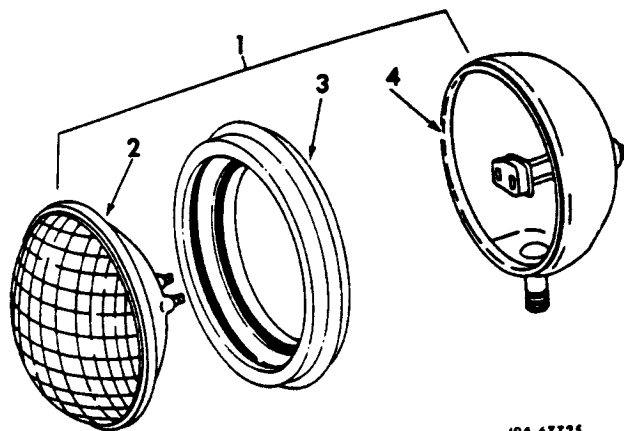
- 1 728 154 C1 SWITCH ASSEMBLY, master
109 084 NUT (2)
179 795 SCREW, hex-hd cap (2)
103 319 WASHER, lock (2)
- 2 \$ NUT, terminal (2)
- 3 \$ WASHER, terminal nut lock (2)

\$ - Not Furnished Separately.

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION
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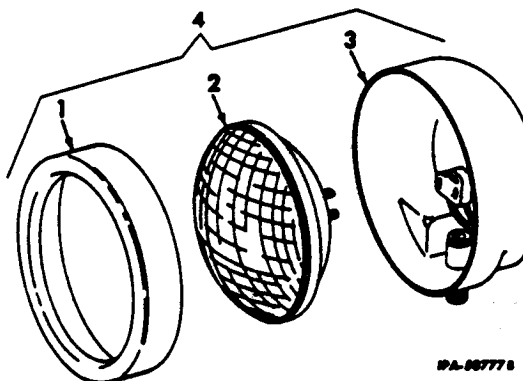
HEADLIGHT AND REAR LIGHT (Part of Electric Lighting) (Guide Lamp)



IPA-67725

REF. NO.	PART NUMBER	DESCRIPTION
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HEADLIGHT AND REAR LIGHT (Part of Electric Lighting) (Hobbs)



PA-88778

- | | | |
|---|----------------------------------|---|
| 1 | 338 825 R91
or
338 814 R91 | HEADLIGHT, REAR LIGHT and
AUXILIARY REAR LIGHT ASSY
(optional with LIGHT, 303 957 R92)
(3) |
| | 120 371 | NUT NF (3) |
| | 120 384 | WASHER (3) |
| | 446 229 | WASHER, headlight mounting
upper (For rear light) (+) (2) |
| | 600 658 C1 | WASHER, headlight mounting
lower (For rear light) (+) |
| 2 | 303 277 R91 | UNIT, sealed (12 volt) (3) |
| 3 | 338 896 R1 | RETAINER, sealed unit (3) |
| 4 | | BODY (order 338 825 R91) (3) |

- | | | |
|---|----------------------------------|---|
| 1 | 313 957 R1 | RETAINER, light (3) |
| 2 | 303 277 R91 | UNIT, sealed (3) |
| 3 | | SHELL (order 303 957 R92) (3) |
| 4 | 303 957 R92
or
327 189 R91 | HEADLIGHT ASSEMBLY (single
beam - 24 volt) (Optional
w/338 825 R91) (3) |
| | 120 371 | NUT (3) |
| | 120 384 | WASHER, lock (3) |
| | 446 229 | WASHER, headlight mounting
upper (For rear light) (+) (2) |
| | 600 658 C1 | WASHER, headlight mounting
lower (For rear light) (+) |

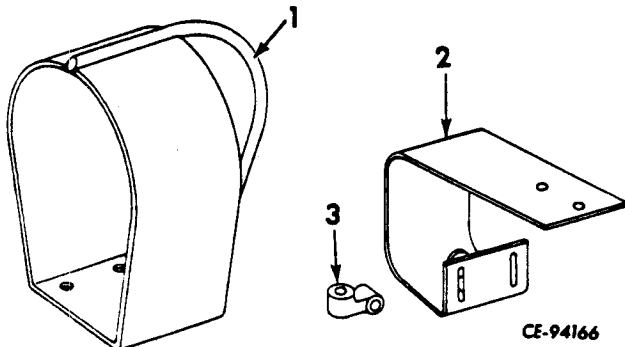
(+) - Used With GUARD, 330 714 R11

(+) - Used With GUARD, 330 714 R11

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION
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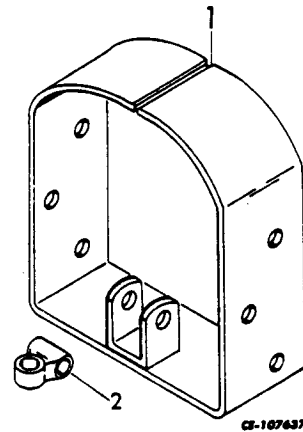
HEADLIGHT AND REAR LIGHT BRUSH GUARD AND HEADLIGHT SWIVEL
(Part of Electric Lighting)



1	330 714 R11	GUARD, rear light (Order the following -	
		1 GUARD	651 628 C1
		1 NUT	120 371
		1 SWIVEL	303 706 R1
		1 SCREW	181 709
		1 WASHER	120 384
	271 500	NUT (4)	
	178 860	SCREW, hex-hd cap (4)	
	103 322	WASHER, lock (4)	
2	703 416 C1	GUARD, headlight (Not used on machines equipped with sweeps)	
	271 500	NUT (12)	
	179 860	SCREW, hex-hd cap (12)	
	103 322	WASHER, lock (12)	
	103 342	WASHER, flat (12)	
3	303 706 R1	SWIVEL, headlight	
	120 371	NUT, NF (2)	
	181 709	SCREW, NF hex-hd cap (2)	
	103 322	WASHER, lock (2)	

REF. NO.	PART NUMBER	DESCRIPTION
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REAR LAMP GUARD
(Part of Supplementary R.H. Rear Lamp Attachment and Electric Lighting Attachment)



1	651 628 C1	GUARD
	271 500	NUT (+) (4)
	179 898	SCREW, hex-hd cap (*) (4)
	179 860	SCREW, hex-hd cap (+) (4)
	103 322	WASHER, lock (4)
	25 637 R1	WASHER, flat (4)
2	303 706 R1	SWIVEL, lamp
	120 371	NUT, NF
	181 709	SCREW NF hex-hd cap
	120 384	WASHER, lock

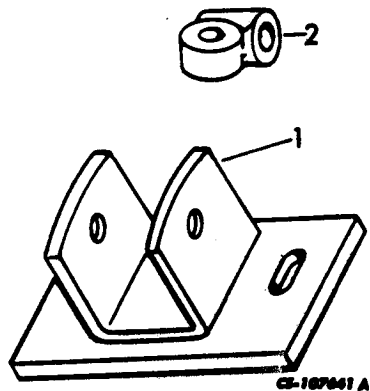
(+) - Used on Machines Equipped With Hydraulic Equipment.

(*) - Used on Machines Not Equipped With Hydraulic Equipment.

ELECTRICAL

REF. PART
NO. NUMBER DESCRIPTION

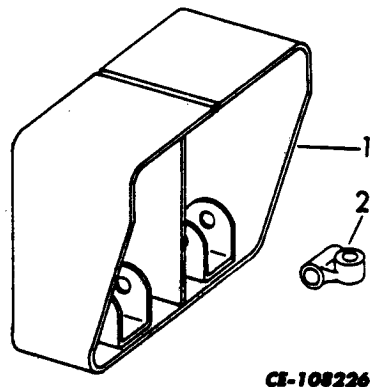
REAR LAMP BRACKET
(Part of Electric Lighting Attachment)
(For Machines Equipped With Canopy)



- | | | |
|---|------------|------------------------|
| 1 | 651 948 C1 | BRACKET, lamp mounting |
| | 271 500 | NUT (2) |
| | 179 860 | SCREW, hex-hd cap (2) |
| | 103 322 | WASHER, lock (2) |
| | 25 637 R1 | WASHER, flat (2) |
| 2 | 303 706 R1 | SWIVEL, lamp |
| | 120 371 | NUT, NF |
| | 181 709 | SCREW, NF hex-hd cap |
| | 120 384 | WASHER, lock |

REF. PART
NO. NUMBER DESCRIPTION

FRONT LAMP GUARD
(Part of Electric Lighting Attachment)
(For Use on Machines Equipped With Canopy and Sweeps)



- | | | |
|---|------------|--------------------------|
| 1 | 663 097 C1 | GUARD, front lamp |
| | 179 858 | SCREW, hex-hd cap (4) |
| | 103 322 | WASHER, lock (4) |
| | 25 637 R1 | WASHER, flat (4) |
| 2 | 303 706 R1 | SWIVEL, lamp (2) |
| | 120 371 | NUT, NF (2) |
| | 181 709 | SCREW, NF hex-hd cap (2) |
| | 120 384 | WASHER, lock (2) |

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC LIGHTING ATTACHMENTS			632 296 C91		ATTACHMENT, electric lighting (For use on machines equipped with Canopy without sweeps) (See NOTE 3)
632 101 C92		ATTACHMENT, supplementary R.H. rear lamp (For machines equipped with Hydraulics) (See NOTE 4) (Consists of -			(Consists of -
	1 CABLE	703 071 C1		1 BRACKET	651 948 C1
	4 CLIP	263 716 R91		1 CABLE	703 059 C1
	1 GUARD	651 628 C1		1 CABLE	703 060 C1
	1 LAMP	338 825 R91		1 CABLE	703 061 C1
	5 NUT	120 371		2 GROMMET	34 048 H
	4 NUT	271 500		2 GUARD	703 416 C1
	1 SCREW	181 709		3 LAMP	338 825 R91
	4 SCREW	179 818		4 NUT	271 500
	4 SCREW	179 860		6 NUT	120 371
	1 SWIVEL	303 706 R1		16 SCREW	179 860
	1 WASHER	120 354		3 SCREW	181 709
	4 WASHER	103 322		3 SWIVEL	303 706 R1
	4 WASHER	256 637 R1		16 WASHER	103 322
	4 WASHER	103 320		12 WASHER	103 342
	1 WASHER	120 384)		4 WASHER	25 637 R1
				6 WASHER	120 384)
				3 WASHER	138 530)
628 075 C92		ATTACHMENT, supplementary R.H. rear lamp (For machines not equipped with hydraulic equipment) (See NOTE 4) (Consists of -	632 297 C91		ATTACHMENT, electric lighting (For machines equipped with Canopy and sweeps) (See NOTE 3) (Consists of -
	1 CABLE	703 071 C1		1 BRACKET	651 948 C1
	4 CLIP	263 716 R91		1 CABLE	663 092 C1
	1 GUARD	651 628 C1		1 CABLE	663 113 C1
	1 LAMP	338 825 R91		1 CABLE	703 061 C1
	2 NUT	120 371		2 CLIP	264 196 R91
	s 1 PLATE			1 GUARD	663 097 C1
	4 SCREW	179 898		1 GROMMET	34 048 H
	4 SCREW	179 818		3 LAMP	338 825 R91
	1 SCREW	181 709		2 NUT	271 500
	1 SWIVEL	303 706 R1		6 NUT	120 371
	4 WASHER	103 322		4 SCREW	179 859
	4 WASHER	25 637 R1		2 SCREW	179 860
	2 WASHER	120 384		3 SCREW	181 709
	4 WASHER	103 320)		3 SWIVEL	303 706 R1
				6 WASHER	103 322
				6 WASHER	25 637 R1
632 105 C92		ATTACHMENT, electric lighting (For machines not equipped with Canopy) (See NOTE 4)		6 WASHER	120 384)
632 104 C91		ATTACHMENT, electric lighting (For machines not equipped with canopy) (See NOTE 3) (Consists of -		3 WASHER	138 530)
	1 CABLE	703 059 C1			
	1 CABLE	703 060 C1			
	1 CABLE	703 061 C1			
	2 GROMMET	34 048 H			
	1 GUARD	651 628 C1			
	2 GUARD	703 416 C1			
	3 LAMP	338 825 R91			
	6 NUT	120 371			
	4 NUT	271 500			
	16 SCREW	179 860			
	3 SCREW	181 709			
	3 SWIVEL	303 706 R1			
	4 WASHER	25 637 R1			
	16 WASHER	103 332			
	12 WASHER	103 342			
	6 WASHER	120 384			
	3 WASHER	138 530)			

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

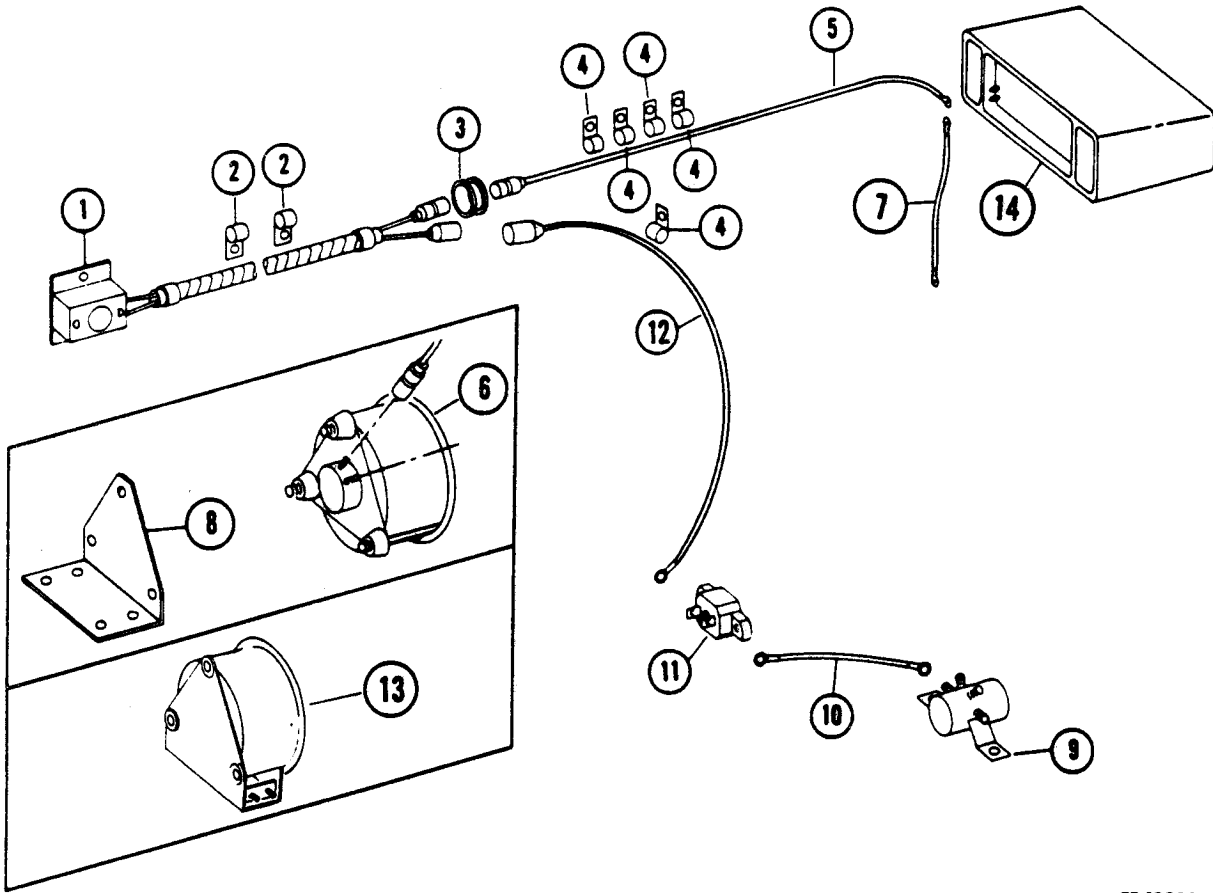
NOTE 4 - Attachment no longer available. Service parts will be furnished.

s - Not Furnished Separately.

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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ELECTRIC WARNING HORN



CE-103224C

	663 104 C91	ATTACHMENT, electric warning horn (See NOTES 1 and 3)	6	663 093 C1	ALARM, electric warning (Used with BRACKET, 663 062 C1)
1	663 101 C1 167 084 120 217	SWITCH, push button SCREW, pan-hd tapping (2) WASHER, lock (2)	7	663 063 C1	CABLE, alarm ground terminal to mounting bolt
2	362 121 R1	CLIP, cable (2)	8	663 062 C1	BRACKET, alarm mounting (Used w/ALARM, 663 093 C1)
3	617 259 C1	GROMMET		180 126	SCREW, hex-hd cap (4)
4	362 120 R1	CLIP, cable (5)		120 382	WASHER, lock (4)
5	663 103 C1	CABLE, push button switch connec- tor to horn terminal		120 377	NUT (4)

NOTE 1 - Factory Application - Order
on Machine Order Form.

NOTE 3 - Field Application - Order
Through Regular Service
Parts Channels.

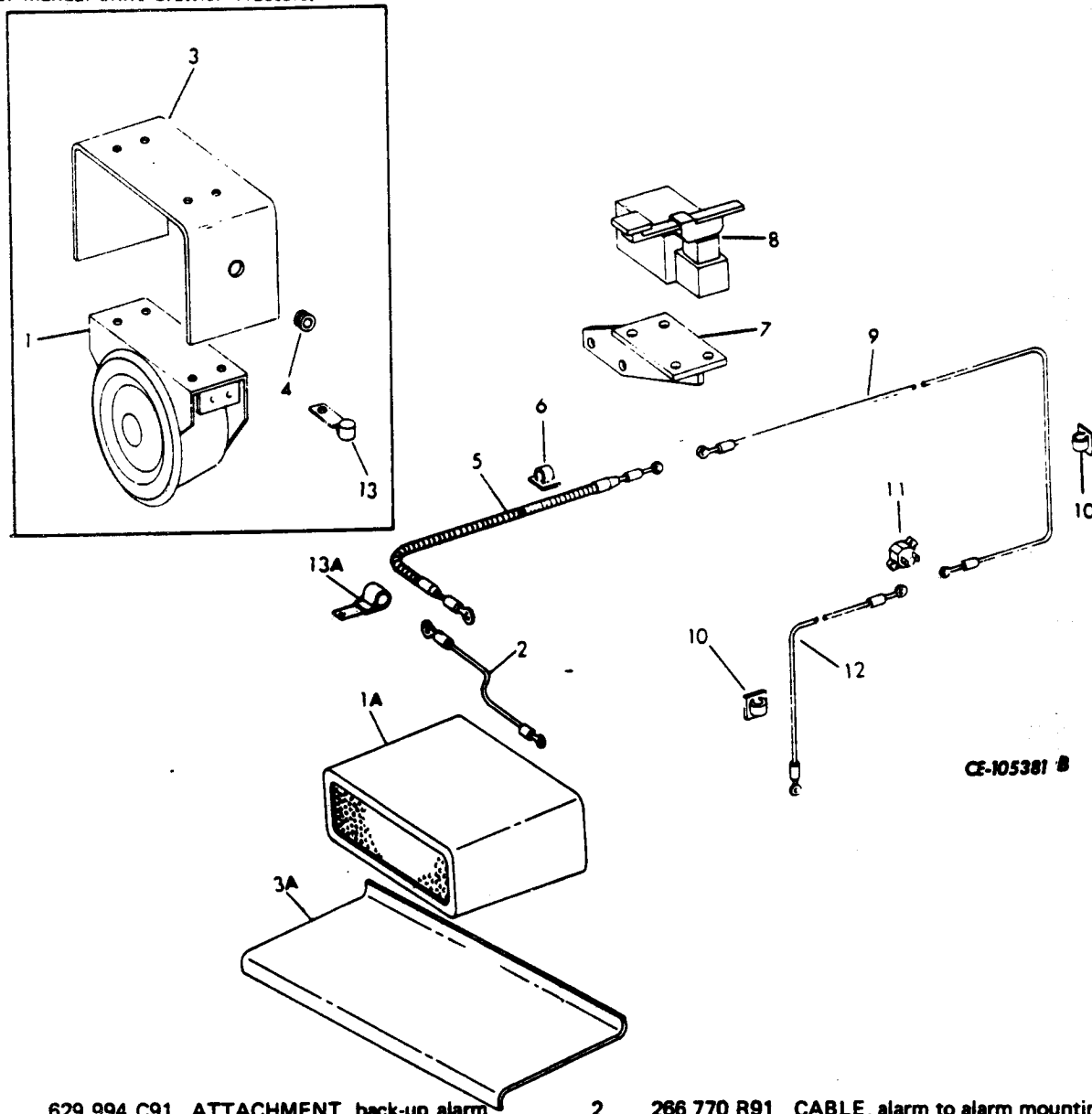
ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC WARNING HORN - Continued					
9		SWITCH, magnetic (Not furnished as part of Attachment)			
10	624 231 C1	CABLE, "H" terminal on magnetic switch to circuit breaker			
11	740 150 C1	BREAKER, circuit (2 amps) (Replaces 83 072 C1)			
	110 495	SCREW, hex-hd cap (2)			
	106 497	WASHER, lock (2)			
	120 391	WASHER (2)			
	110 633	NUT (2)			
12	651 835 C1	CABLE, circuit breaker to push button switch ground			
13	668 080 C1	ALARM w/BRACKET, electric warning (Not used with BRACKET, 663 062 C1)			
	109 084	NUT, hex (4)			
	179 799	SCREW, hex-hd cap (4)			
	120 392	WASHER, flat (4)			
	174 878	WASHER, internal-tooth lock (4)			
14	736 130 C1	HORN, electric warning			
	OR				
14	737 365 C1	HORN, electric warning (Replaces, 740 363 C1)			
	189 295	BOLT (2)			
	21 622 R1	NUT (2)			
	25 534 R1	WASHER, flat (2)			

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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ALARM BACK-UP
(For Manual Shift Crawler Tractors)



CE-105381 B

	629 994 C91	ATTACHMENT, back-up alarm (See NOTE 1 and 3) (Consists of -	2	286 770 R91	CABLE, alarm to alarm mounting bolt
1	663 478 C1	ALARM, back-up (Used w/GUARD, 663 485 C1)	3	663 485 C1	GUARD, alarm (Used w/ALARM, 663 478 C1)
	109 084	NUT (4)		179 837	SCREW, hex-hd cap (4)
	179 795	SCREW, hex-hd cap (4)		103 321	WASHER, lock (4)
	120 392	WASHER, flat (8)		120 394	WASHER, flat (4)
	103 319	WASHER, lock (4)	3A	740 302 C1	BRACKET, alarm mounting (Use w/ALARM, 715 662 C1)
1A	736 131 C1	ALARM, back-up (Used w/BRACKET, 740 302 C1)		208 491 R1	BOLT (4)
	or			9 418 646	NUT (4)
1A	737 188 C1	ALARM, back-up (Replaces, 715 662 C1) (Used w/BRACKET, 740 302 C1)		25 710 R1	WASHER, flat (4)
	27 606 R1	BOLT (2)			
	25 522 R1	NUT (2)			
	25 534 R1	WASHER, flat (2)			

NOTE 1 - Factor Application - Order on Machine Order Form.
NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

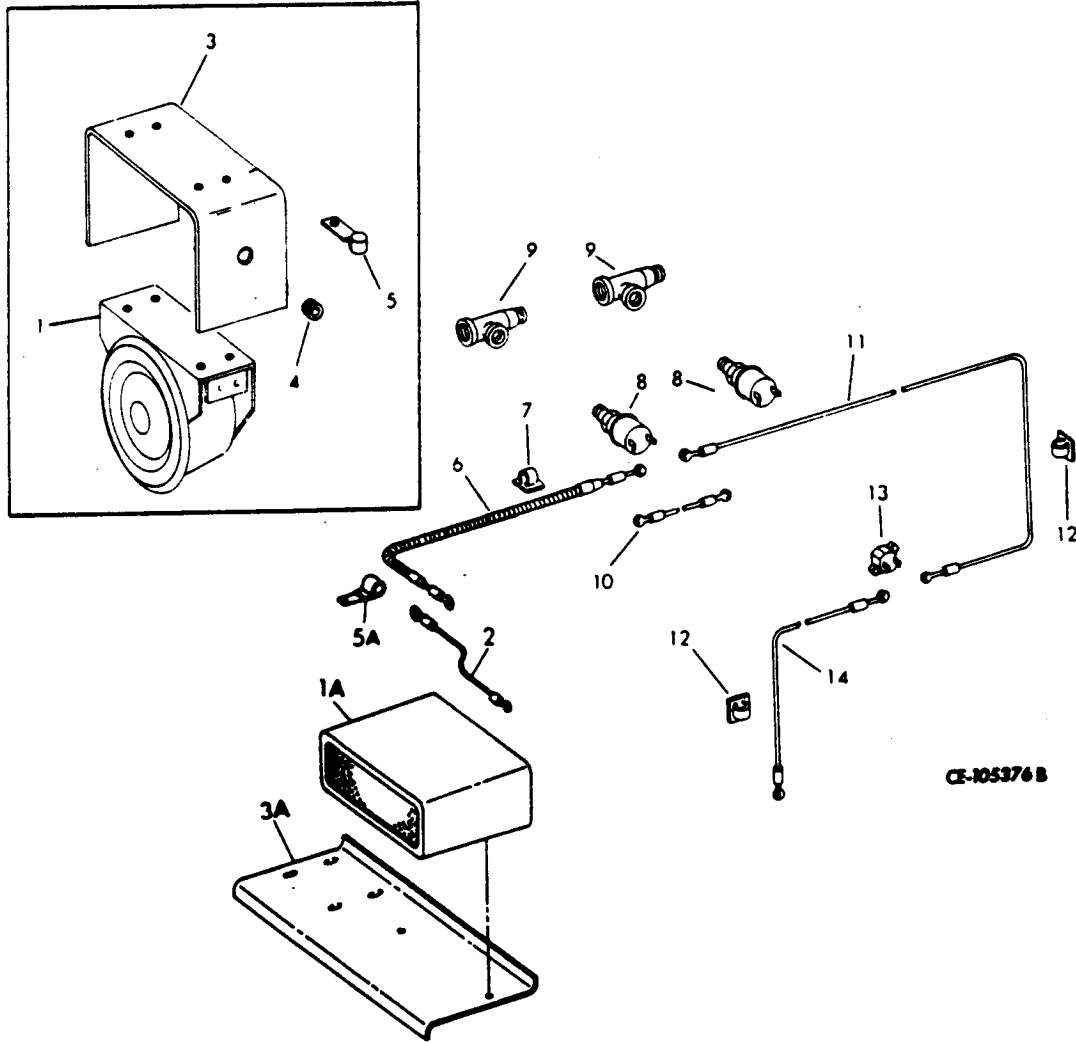
ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ALARM BACK-UP - Continued (For Manual Shift Crawler Tractors)					
4	108 827 R1	GROMMET, on R.H. side of alarm guard (Used w/GUARD, 663 485 C1)			
5	663 186 C1	CABLE, alarm to pressure switch			
6	663 185 C1	CLAMP (10)			
7	651 784 C1 25 480 R1 115 109	BRACKET, switch mounting assy. SCREW, hex-hd cap (4) WASHER (4)			
8	663 181 C1 651 798 C1	SWITCH, limit GRIP, switch cable			
9	663 187 C1	CABLE, pressure switch to circuit breaker			
10	663 189 C1	CLAMP (15)			
11	740 150 C1 110 633 110 495 106 497 120 391	CIRCUIT BREAKER (2 amp) (Replaces 683 072 C1) NUT (2) SCREW, hex-hd cap (2) WASHER, lock WASHER, flat (2)			
12	663 187 C1	CABLE, circuit breaker to power source			
13	363 660 R1	CLIP, on RH rear bolt of alarm (Used w/ALARM, 663 478 C1)			
13A	384 558 R1	CLIP, on mounting bolt of alarm bracket (Used w/BRACKET, 740 302 C1)			
	663 188 C1	PACKAGE, terminals			
	663 182 C1	BRACKET, switch mounting			

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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ALARM BACK-UP
(For Power Shift Crawler Tractors)



A	632 119 C91	ATTACHMENT, back-up alarm (See NOTE 4)	2	266 770 R91	CABLE, alarm to alarm mounting bolt
B	679 095 C91	ATTACHMENT, back-up alarm (See NOTE 3)	3	663 485 C1	GUARD, assembly alarm (A)
1	663 478 C1	ALARM, back-up (A)		179 837	SCREW, hex-hd cap (4)
	109 084	NUT (4)		103 321	WASHER, lock (4)
	179 795	SCREW, hex-hd cap (4)		120 394	WASHER, flat (4)
	120 392	WASHER, flat (8)			
	103 319	WASHER, lock (4)			
1A	736 131 C1	ALARM, back-up (B)			
	or				
1A	737 188 C1	ALARM, back-up (Replaces, 715 662 C1) (B)			
	27 606 R1	BOLT (2)			
	25 522 R1	NUT (2)			
	25 534 R1	WASHER, flat (2)			

NOTE 3 - Field Application -
Order Through Regular
Service Parts Channels

NOTE 4 - Attachment no longer
available. Service Parts
will be Furnished

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ALARM BACK-UP (For Power Shift Crawler Tractors)			ELECTRICAL REWORK ATTACHMENT 5469 and below		
3A	740 302 C1 208 491 R1 9 418 646 25 710 R1	BRACKET, alarm mounting (B) BOLT (4) NUT (4) WASHER, flat (4)	632 571 C91		ATTACHMENT, alternator and electric wiring (Rework for machines requiring additional amperage) 5469 and below (Consists of -
4	108 827 R1	GROMMET, on R.H. side of alarm guard (A)	1 117 236		ALTERNATOR, high output (Refer to Parts Catalog EPC-817B or EPC-817C)
5	363 660 R1	CLIP, on R.H. rear bolt of alarm (A)	236 485 R1 25 710 R1 24 534 R1		SCREW, hex-hd cap (2) WASHER, hardened (2) NUT, lock (2)
5A	384 558 R1	CLIP, on alarm bracket mounting bolt (B)	651 839 C93		HARNESS, main electrical
6	663 186 C1	CABLE, alarm to pressure switch	650 358 C3		HARNESS, instrument panel
7	663 185 C1	CLAMP (10)	213 383 H 132 930 120 217 120 614		BREAKER, cab circuit SCREW, hex-hd cap (2) WASHER, lock (2) NUT (2)
8	740 985 C1	SWITCH, pressure (Replaces 651 828 C1) (2)	651 837 C1		CABLE, cab circuit breaker to power connector
9	444 263	TEE, pressure switch (2)	650 357 C1		CABLE, negative on voltmeter to instrument panel ground
10	650 354 C1	CABLE, switch to switch (2)	678 253 C1		CABLE, positive on voltmeter to circuit breaker cable
11	663 187 C1	CABLE, pressure switch to circuit breaker	651 688 C2		VOLTMETER (Also listed and illustrated with "Instruments and Instrument Panel")
12	663 189 C1	CLAMP (15)	OR		
13	740 150 C1 110 633 110 495 106 497 120 391	CIRCUIT BREAKER (2 amp) (Replaces 683 072 C1) NUT (2) SCREW, hex-hd cap (2) WASHER, lock (2) WASHER, flat (2)	715 691 C1		VOLTMETER (Also listed and illustrated with "Instruments and Instrument Panel")
14	663 187 C1 663 188 C1	CABLE, circuit breaker to power source PACKAGE, terminals	650 354 C1		CABLE, "B" terminal on light switch to circuit breaker
			650 381 C2		LAMP, instrument panel (2)
			358 902 R1		CLIP, cable (On alternator rear mounting bolt)
			604 388 C91		CLIP, cable (Top flange dash support crossplate) (2)
			179 838 103 321 102 635		SCREW, hex-hd cap (2) WASHER, lock (2) NUT (2)
			604 388 C91		CLIP, cable (Piston coolant jet bolt sixth cylinder)
			604 388 C91		CLIP, cable (On L.H. diagonal support rear center and bottom) (2)
			267 787 R91		CLIP, cable (On R.H. front bolt at power take-off location)
		NOTE 3 - Field Application - Order Through Regular Service Parts Channels			
		NOTE 4 - Attachment no longer available. Service Parts will be Furnished			

**REFER TO ALPHABETICAL INDEX
FOR COMPLETE LISTING OF PARTS**

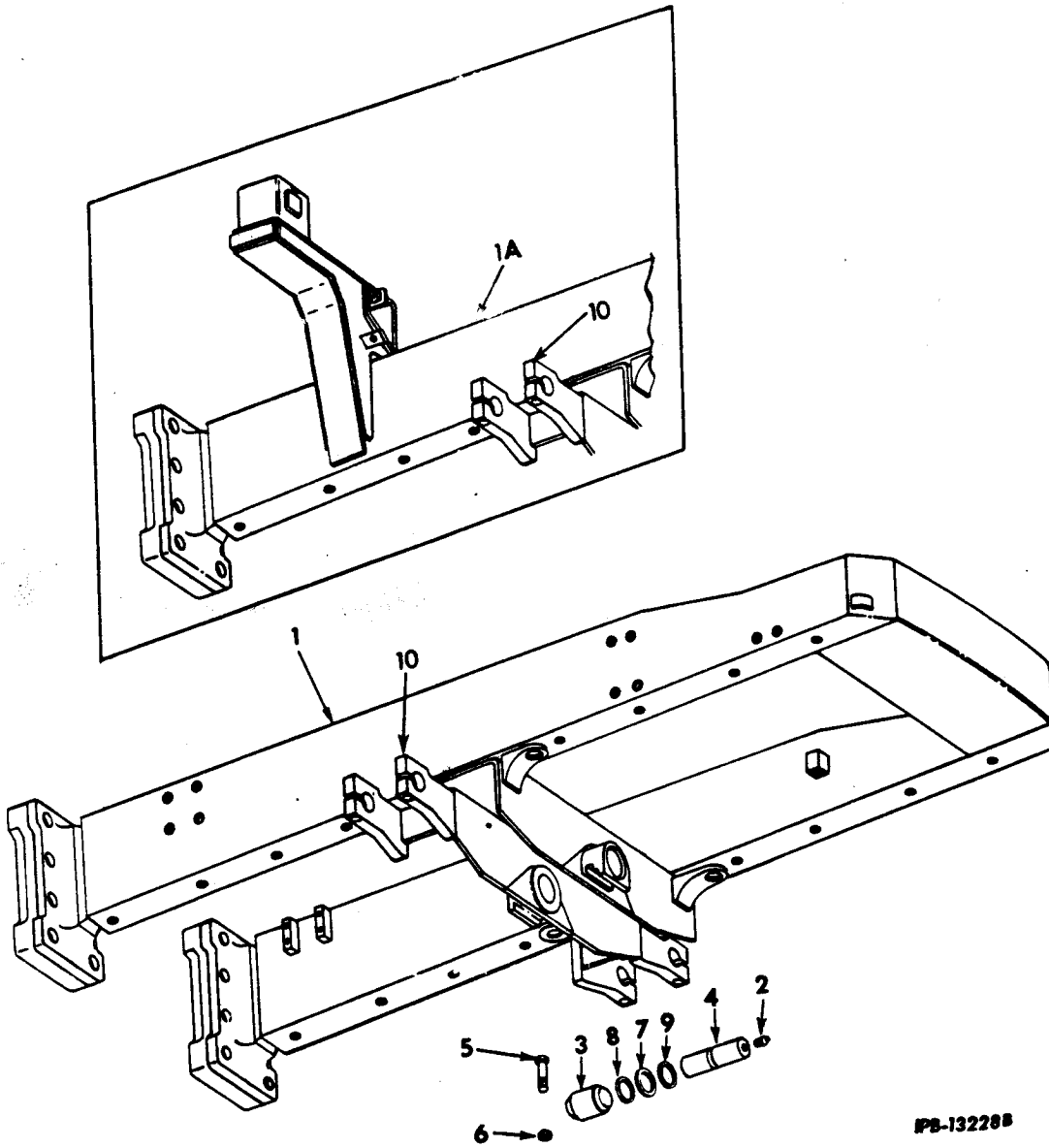
FRAME

9

FRAME

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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FRONT SUPPORT FRAME



PB-132288

FRAME

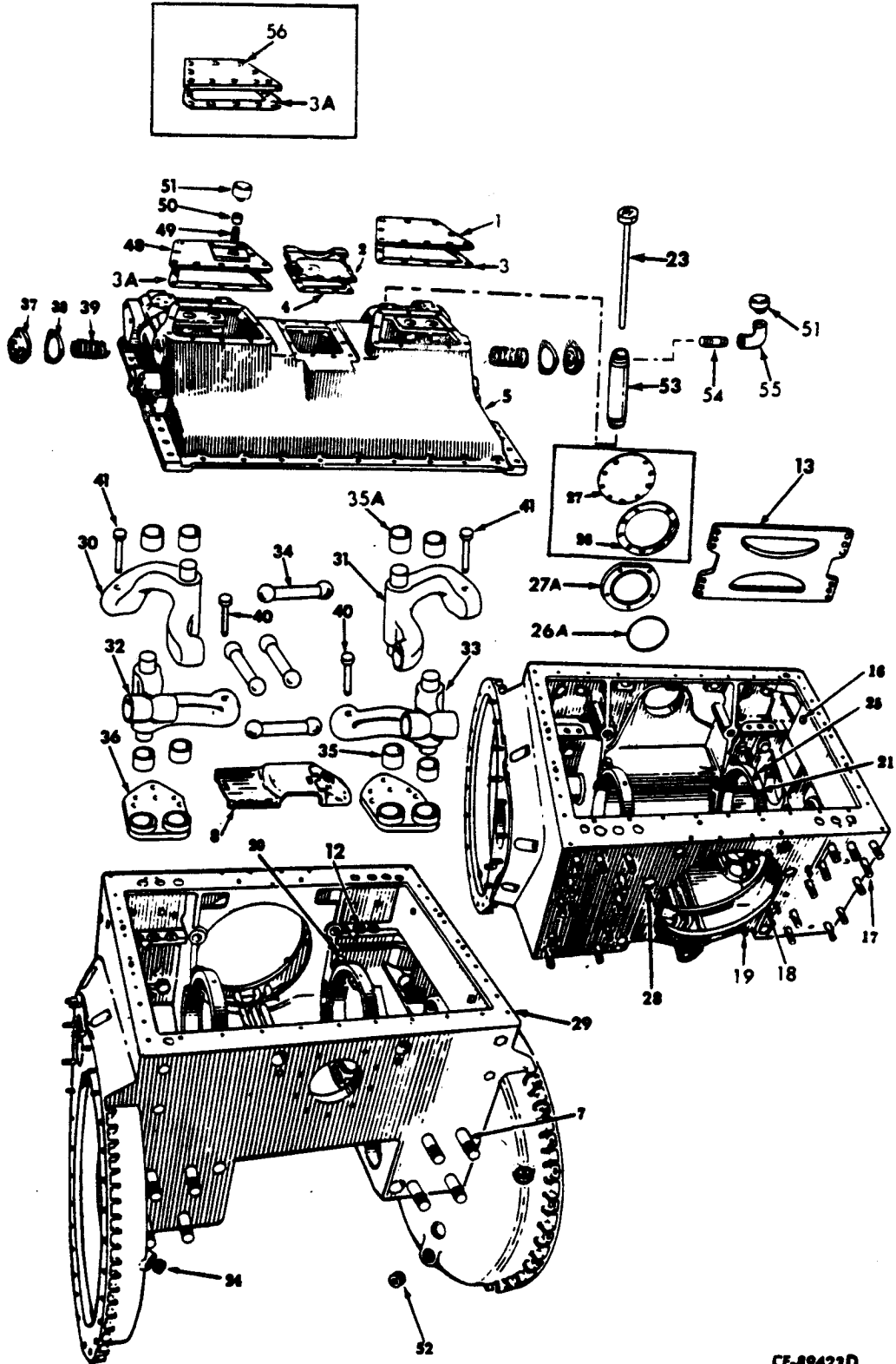
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
FRONT SUPPORT FRAME - Continued					
1		FRAME, front support (not used w/canopy attachment) (See NOTE)			
	318 716 R1	NUT 1" NF (8)			
	617 552 C2	NUT 1-1/4" NF (8)			
1A		FRAME, front support (w/canopy socket) (used w/canopy attachment) (See NOTE)			
	318 716 R1	NUT 1" NF (8)			
	617 552 C2	NUT 1-1/4" NF (8)			
2	109 461	FITTING, lubrication guide roller shaft (2)			
3	617 423 C1	ROLLER, track frame guide (2) Manual Shift 1256 and below Power Shift 1256 and below			
3	624 931 C1	ROLLER, track frame guide (2) Manual Shift 1257 and up Power Shift 1257 and up			
4	307 189 R2	SHAFT, track frame guide roller (2)			
5	26 715 R1	BOLT, hex-hd track frame guide (4)			
	277 606 R1	WASHER, hardened (8)			
6	25 530 R1	NUT (4)			
7	617 426 C1	WASHER, track frame guide roller (4)			
8	181 615 H1	SEAL, track frame guide roller (4)			
9	364 306 R1	SEAL, track frame guide roller washer (4)			
10	617 540 C1	ARM, track guide roller			

NOTE - Service Frames Will Be
Available on Special Order
Only on Clearance with
Engineering Department.

FRAME

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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REAR MAIN FRAME



CE-89423D

FRAME

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
REAR MAIN FRAME - Continued			19	341 815 R1	STUD, transmission case mounting Power Shift (13) Manual Shift (8)
1	717 261 C1	COVER, brake control (Replaces 259 306 R1)	20	314 869 R1	BOLT, bevel gear carrier bearing cage cap (4)
	26 311 R1	SCREW, hex-hd cap (Replaces 311 979 R1) (10)		25 549 R1	WASHER, hardened (4)
	25 896 R1	WASHER, hardened (10)	21	314 235 R91	CAP, w/three DOWEL, 46 923 D, bev- el gear carrier bearing cage (2)
2	259 182 R11	COVER, w/PLUG, 172 548, manual brake equalizer arm	23	703 542 C3	ROD, rear main frame oil level
	26 310 R1	BOLT, prevailing torque (7)	24	324 907 R1	PLUG, sq-soc magnetic pipe (sprocket drive filler) (2)
3	717 262 C1	GASKET, cover (Replaces 259 307 R1)		272 925 R1	GASKET, sprocket drive oil filler plug (2)
3A	717 262 C1	GASKET, cover	25	46 923 D	DOWEL, bevel gear carrier bearing cage cap (6)
4	259 183 R1	GASKET, manual brake equalizer arm cover	26	325 429 R1	GASKET, rear power take-off cover (Use w/COVER, 253 174 R2)
5	331 207 R94	COVER ASSEMBLY, rear main frame (Composed of -	26A	22 420 R1	RING, rear power take-off cover sealing (Used w/COVER, 733 039 C1)
		4 BUSHING 259 305 R3	27	253 174 R2	COVER, power take-off (Order COVER, 733 039 C1 and sealing RING, 22 420 R1)
		s 1 COVER		24 871 R1	BOLT (5)
		4 PIN 141 245	27A	733 039 C1	COVER, power take-off
		1 PLUG 20 970 R1		24 871 R1	BOLT (5)
		1 PLUG 444 655	28	172 574	PLUG, expansion (2)
	604 904 C1	BOLT, counterbore (9)	29	700 104 C95	FRAME ASSEMBLY, rear main (Power shift)
	604 905 C1	BOLT, counterbore (4)			(Composed of -
	25 355 R1	SCREW, 1-3/4" long NF, hex-hd cap (4)			4 BOLT 314 869 R1
	27 958 R1	BOLT, 2-1/2" long NF (17)			2 CAP 314 235 R91
	25 538 R1	WASHER, hardened (23)			2 CORK 104 941
	25 529 R1	NUT (2)			7 CORK 117 933
	617 636 C1	STUD, rear main frame cover (2)			4 DOWEL 331 308 R1
	259 305 R3	BUSHING (4)			2 DOWEL 338 055 R1
7	617 782 C1	STUD, drawbar guide bracket, upper (8) Manual Shift 1988 and below Power Shift 1988 and below			s 1 FRAME 272 925 R1
7	651 533 C1	STUD, drawbar guide bracket, upper (8) Manual Shift 1989 and up Power Shift 1989 and up			2 GASKET 65 253 D
8	604 156 C21	BAFFLE, oil intake pipe NUT, 1/2 NF (2) WASHER, 1/2" internal-external tooth lock (2)			1 PIN 250 868 R1
12	331 308 R1	DOWEL, brake fork pivot bracket (4)			4 PIN 254 605 R1
13	617 864 C1	BRACE, rear main frame			2 PLUG 444 655
	25 518 R1	SCREW, hex-hd cap (12)			2 PLUG 172 574
	232 361 R1	WASHER (12)			2 PLUG 102 596 R1
16	254 605 R1	PIN, pivot brake backing shoe (4)			4 PLUG 254 828 R1
17	617 633 C1	STUD, front support frame (8)			2 PLUG 9 409 949
17	617 635 C1	STUD, front support frame (4)			1 PLUG 273 522 R91
17	617 634 C1	STUD, front support frame (4)			2 PLUG 324 907 R1
18	65 253 D	PIN, transmission case dowel			1 PLUG 444 655
					8 STUD 651 533 C1
					13 STUD 341 815 R1
					8 STUD 617 633 C1
					1 STUD 628 052 C1
					1 STUD 259 341 R1
					4 STUD 617 635 C1
					4 STUD 617 634 C1
					2 STUD 617 636 C1)

s - Not Furnished Separately.

FRAME

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
REAR MAIN FRAME - Continued			41	U 5353	PIN, low-range bellcrank push rod (2) PIN, cotter (2)
29	717 462 C91	FRAME ASSEMBLY, rear main (Manual shift) (Composed of -	48	607 638 C91	COMPARTMENT, w/PLATE, 624 943 C1, main frame breather Power shift 6028 and below Manual shift 6028 and below
	4	BOLT 314 869 R1		311 979 R1	SCREW (Nylok), hex-hd cap (10)
	2	CAP 314 235 R91		624 943 C1	PLATE, end (bent)
	4	CORK 106 624	48	732 182 C1	COMPARTMENT, breather Power shift 6057 and up Manual shift 6057 and up
	2	CORK 104 941		26 311 R1	BOLT (10)
	7	CORK 117 933		25 896 R1	WASHER (10)
	4	DOWEL 331 308 R1	49	219 333	NIPPLE, breather compartment (used with breather compartment 607 638 C91)
	2	DOWEL 338 055 R1	49	187 249	NIPPLE, breather compartment (used with breather compartment 732 182 C1)
	1	FRAME	50	122 865	COUPLING, breather compartment pipe Power shift 6028 and below also 6057 and up Manual shift 6028 and below also 6057 and up
	2	GASKET 272 925 R1	51	662 250 C1	BREATHER, main frame (Together w/COUPLING, 122 865, will work for BREATHER, 203 545 R91)
	1	PIN 65 253 D		or	
	4	PIN 19 968 R1	51	666 156 C1	BREATHER, main frame (Together w/COUPLING 122 865, will work for BREATHER 203 545 R91)
	4	PIN 254 605 R1		or	
	2	PLUG 273 469	51	666 134 C1	BREATHER, main frame (Together w/COUPLING 122 865 will work for BREATHER 203 545 R91)
	2	PLUG 41 600 D	52	320 185 C1	PLUG, 3/4" sq-soc, magnetic (sprocket drive housing drain) (2)
	2	PLUG 172 571	53	314 150 R2	NECK, rear main frame oil filler (Order TUBE 709 351 C1 and PLUG 20 988 R1) Power shift 6028 and below Manual shift 6028 and below
	4	PLUG 318 300 R1	53	709 351 C1	TUBE, rear main frame oil filler Power shift 6029 to 6056 Manual Shift 6029 to 6056
	4	PLUG 254 828 R1	53	732 185 C1	TUBE, rear main frame oil filler Power shift 6057 and up Manual shift 6057 and up
	2	PLUG 320 185 C1			
	1	PLUG 273 522 R91			
	2	PLUG 324 907 R1			
	1	PLUG 444 655			
	8	STUD 651 533 C1			
	8	STUD 341 815 R1			
	8	STUD 617 633 C1			
	1	STUD 628 052 C1			
	1	STUD 259 341 R1			
	4	STUD 617 635 C1			
	4	STUD 617 634 C1			
	2	STUD 617 636 C1			
	4	WASHER 25 549 R1)			
30	265 207 R4	BELLCRANK, high-low brake, LH	51	666 156 C1	BREATHER, main frame (Together w/COUPLING 122 865, will work for BREATHER 203 545 R91)
31	265 208 R4	BELLCRANK, high-low brake, RH		or	
32	259 094 R3	BELLCRANK, pivot brake, LH	51	666 134 C1	BREATHER, main frame (Together w/COUPLING 122 865 will work for BREATHER 203 545 R91)
33	259 095 R3	BELLCRANK, pivot brake, RH	52	320 185 C1	PLUG, 3/4" sq-soc, magnetic (sprocket drive housing drain) (2)
34	259 097 R1	ROD, bellcrank push (4)	53	314 150 R2	NECK, rear main frame oil filler (Order TUBE 709 351 C1 and PLUG 20 988 R1) Power shift 6028 and below Manual shift 6028 and below
35	709 673 C1	BUSHING, bellcrank (4)	53	709 351 C1	TUBE, rear main frame oil filler Power shift 6029 to 6056 Manual Shift 6029 to 6056
35A	259 305 R3	BUSHING, bellcrank (4)	53	732 185 C1	TUBE, rear main frame oil filler Power shift 6057 and up Manual shift 6057 and up
36	265 209 R31	SUPPORT, w/two BUSHING, 709 673 C1, DOWEL, 265 210 R1, and DOWEL, 265 211 R1, bell- crank (2)			
37	259 101 R11	RETAINER, w/PLUG, 273 469, pivot brake return spring (2)			
	24 840 R1	SCREW, hex-hd cap (6)			
	115 093	WASHER, lock (6)			
38	259 102 R1	GASKET, pivot brake return spring retainer (2)			
39	259 100 R1	SPRING, pivot brake return (2)			(±) - Used on Manual Shift Crawler Tractors or Manual Shift w/ Torque Converter Crawler Tractors.
40	Q 3531	PIN, pivot brake bellcrank push rod (2) PIN, cotter (2)			(X) - As Required.

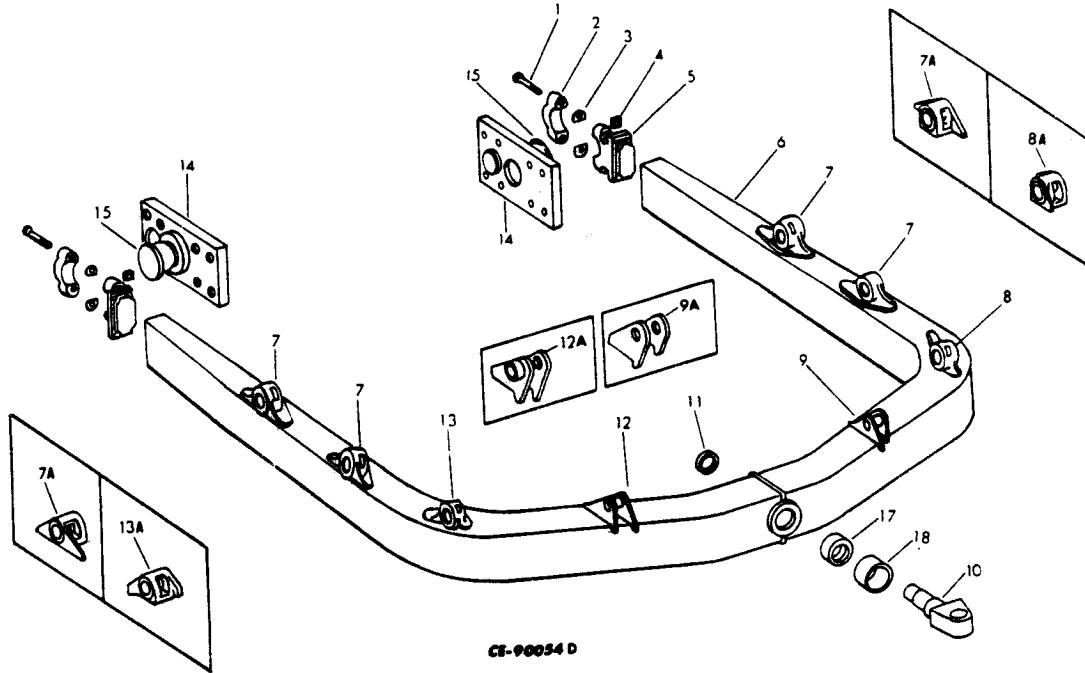
FRAME

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
REAR MAIN FRAME – Continued					
54	105 405	NIPPLE, pipe (Used with TUBE 709 351 C1)	628 052 C1		STUD, oil intake pipe baffle (short)
			259 341 R1		STUD, oil intake pipe baffle (long)
55	105 413	ELBOW, 90° (Used with TUBE 709 351 C1)	278 027 R1		WIRE, bulk locking (No. 16 ga) (.0625") (Customer must specify length required) (X)
56	717 261 C1	COVER, brake control Power shift 6029 to 6056 Manual shift 6029 to 6056	343 772 R1		SCREW, hex socket set, transmission case mounting, Power Shift only
	26 311 R1	BOLT (10)			
	75 896 R1	WASHER, hardened (10)			
	104 941	CORK, 11/16 x 7/8", No. 5 (2)			
	106 624	CORK, 1 x 1-1/4", No. 10 (4)			
	117 933	CORK, 1-9/16 x 1-1/2", No. 19 (8)			
	265 210 R1	DOWEL, bellcrank support, front (2)			
	265 211 R1	DOWEL, bellcrank support, rear (2)			
	338 055 R1	DOWEL, rear main frame (2)			
	126 152	FITTING, brake operating rod guide lubrication			
	141 245	PIN, hydraulic valve control housing dowel (2)			
	141 245	PIN, brake control cover dowel (2)			
	19 968 R1	PIN, rear main frame cover dowel (Replaces 250 868 R1) (4)			
	444 574	PLUG, oil filler neck (±)			
	172 548	PLUG, manual brake equalizer arm cover expansion			
	20 970 R1	PLUG, sq-hd pipe			
	273 469	PLUG, pivot brake return spring retainer pipe (2)			
	273 522 R91	PLUG, transmission case mounting stud hole (±) (2)			
	41 600 D	PLUG, transmission case mounting (±) (2)			
	444 655	PLUG, sq-soc steel pipe (sprocket drive vent)			
	273 469	PLUG, sq-soc pipe (2)			
	254 828 R1	PLUG, tapped hole (4)			
	318 300 R1	PLUG, 1" cup (4)			
	300 926 R1	SCREW, bellcrank support cap (8)			(±) - Used on Manual Shift Crawler Tractors or Manual Shift w/ Torque Converter Crawler Tractors.
	257 841 R1	SPACER, oil intake baffle (short)			
	259 342 R1	SPACER, oil intake baffle (long)			(X) - As Required.

FRAME

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BULLGRADER "C" FRAME
Hydraulic



1	26 021 R1	BOLT (4)	7	647 783 C1	BRACKET, strut trunnion (Part of "C" FRAME, 647 778 C91 and 717 532 C91) (4)
2	317 452 R1	CAP, trunnion bearing (2)			
3	317 453 R1	SHIM, trunnion bearing cap (16)	7A	319 124 R1	BRACKET, strut trunnion (Part of "C" FRAME, 701 861 C91) (Order BRACKET, 647 783 C1)(4)
4	317 456 R2	NUT, trunnion bearing cap (4)			
5	342 269 R1	BEARING, trunnion	8	647 781 C1	BRACKET, front LH strut trunnion (Part of "C" FRAME, 647 778 C91 and 717 532 C91)
6	701 861 C91	"C" FRAME ASSY., hydraulic grader (Order "C" FRAME, 717 532 C91 and two PIN, 717 517 C1)	8A	319 122 R1	BRACKET, front LH strut trunnion (Part of "C" FRAME, 701 861 C91) (Order BRACKET, 647 781 C1)
6	647 778 C91	"C" FRAME ASSY., hydraulic grader (Order "C" FRAME, 717 532 C91 and two PIN, 717 517 C1)	9	717 529 C1	BRACKET, LH lift cylinder (Part of FRAME, 717 532 C91)
6	717 532 C91	"C" FRAME ASSY., hydraulic grader (Composed of -		24 871 R1	BOLT (4)
		2 BEARING		25 547 R1	WASHER (*)
		2 BOLT	9A	701 855 C1	BRACKET, LH lift cylinder (Part of "C" FRAME, 701 861 C91 and 647 778 C91)
		4 BOLT			(Order the following parts -
		1 BRACKET			1 BOLT
		1 BRACKET			1 BRACKET
		4 BRACKET			1 PIN
		1 BRACKET			1 WASHER
		1 BRACKET			
		1 BRACKET			
		1 BUSHING			
		1 BUSHING			
		2 CAP	10	319 110 R2	PIN, swivel (Order PIN, 620 913 C1, and BUSHING, 620 914 C1)
		1 "C" FRAME			
		4 NUT			
		1 PIN			
		1 PLATE			
		16 SHIM			
		2 WASHER			

(*) - For retaining lift cylinder mounting pin. Also listed under "BLADE LIFT CYLINDER MOUNTING."

FRAME

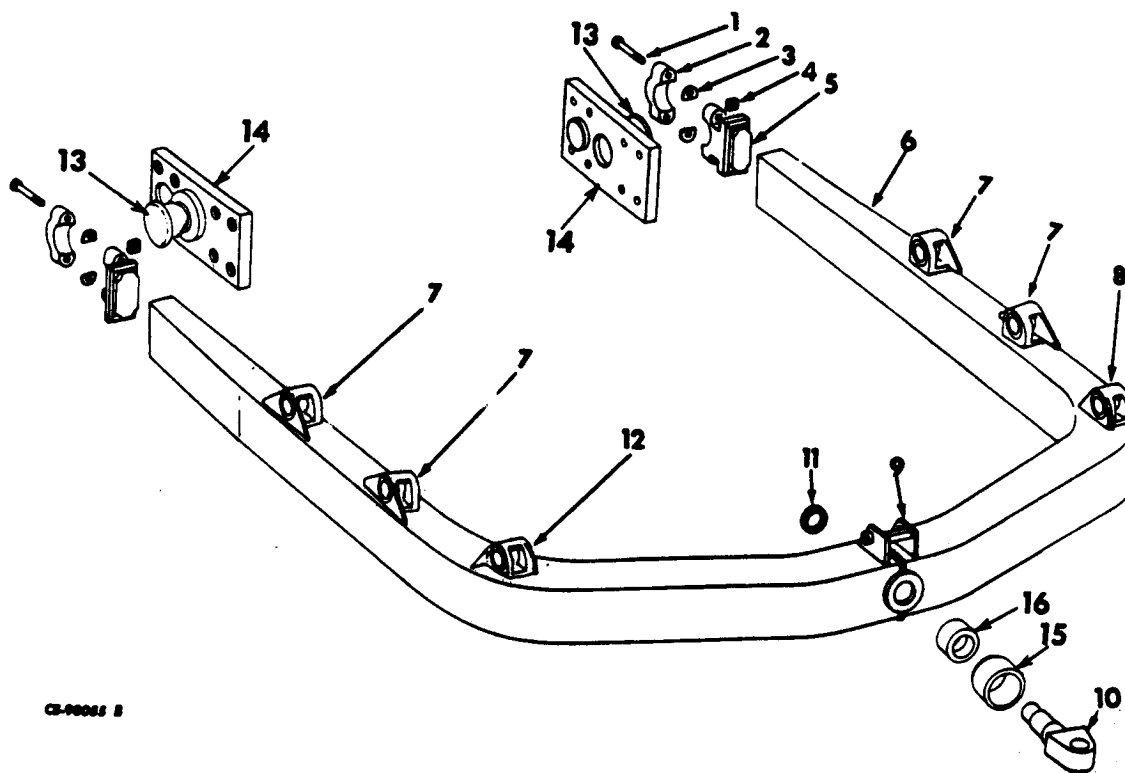
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BULLGRADER "C" FRAME - Continued					
Hydraulic					
10	620 913 C1	PIN, swivel (Together w/BUSHING, 620 914 C1, will work for PIN, 319 110 R2)			
11	319 111 R1	PLATE, retainer			
12	717 530 C1	BRACKET, RH lift cylinder (Part of "C" FRAME, 717 532 C91)			
	24 871 R1	BOLT (*)			
	25 547 R1	WASHER (*)			
12A	701 856 C1	BRACKET, RH lift cylinder (Part of "C" FRAME, 701 861 C91 and 647 778 C91) (Order the following parts -			
		1 BOLT		24 871 R1	
		1 BRACKET		717 530 C1	
		1 PIN		717 517 C1	
		1 WASHER		25 547 R1)	
13	647 782 C1	BRACKET, front RH strut trunnion (Part of "C" FRAME, 647 778 C91 and 717 532 C91)			
13A	319 123 R1	BRACKET, front RH strut trunnion (Part of "C" FRAME, 701 861 C91) (Order BRACKET, 647 782 C1)			
14	700 832 C93	BRACKET w/TRUNNION, 294 589 R4 (2)			
	25 894 R1	BOLT (16)			
15	294 589 R4	TRUNNION (2)			
17	317 499 R1	BUSHING, small swivel pin (Optional w/BUSHING, 603 937 C1)			
17	603 937 C1	BUSHING, small swivel pin (Optional w/BUSHING, 317 499 R1)			
18	317 498 R1	BUSHING, large swivel pin (Order BUSHING, 620 914 C2 and PIN, 620 913 C1)			
18	620 914 C2	BUSHING, large swivel pin (Together w/PIN, 620 913 C1, will work for BUSHING, 317 498 R1)			

FRAME

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BULLGRADER "C" FRAME

Cable



CS-90001 I

1	20 279 R1	SCREW, hex-hd cap (4)	7	319 124 R1	BRACKET, strut trunnion (4)
2	317 452 R1	CAP, trunnion bearing (2)	8	319 122 R1	BRACKET, strut trunnion front, LH
3	317 453 R1	SHIM, trunnion bearing cap (16)	9	319 114 R91	LUG, cable lift
4	317 456 R2	NUT, trunnion bearing cap (4)	10	319 110 R2	PIN, swivel (Order PIN, 620 913 C1, and BUSHING, 620 914 C1)
5	342 269 R1	BEARING, trunnion (2)	10	620 913 C1	PIN, swivel (Together w/BUSHING, 620 914 C1, will work for PIN, 319 110 R2)
6	701 864 C91	"C" FRAME ASSY, w/TRUNNION BEARING CAPS, cable grader (Composed of -	11	319 111 R1	PLATE, retainer
		2 BEARING	12	319 123 R1	BRACKET, strut trunnion front, RH
		1 BRACKET, LH	13	294 589 R4	TRUNNION (2)
		1 BRACKET, RH	14	700 832 C93	BRACKET, w/TRUNNION, 294 589 R4 (2)
		4 BRACKET		25 892 R1	SCREW, hex-hd cap (16)
		1 BUSHING			
		1 BUSHING			
		5 1 "C" FRAME			
		2 CAP			
		1 LUG			
		4 NUT			
		1 PIN			
		1 PLATE			
		4 SCREW			
		16 SHIM			

s - Not Furnished Separately.

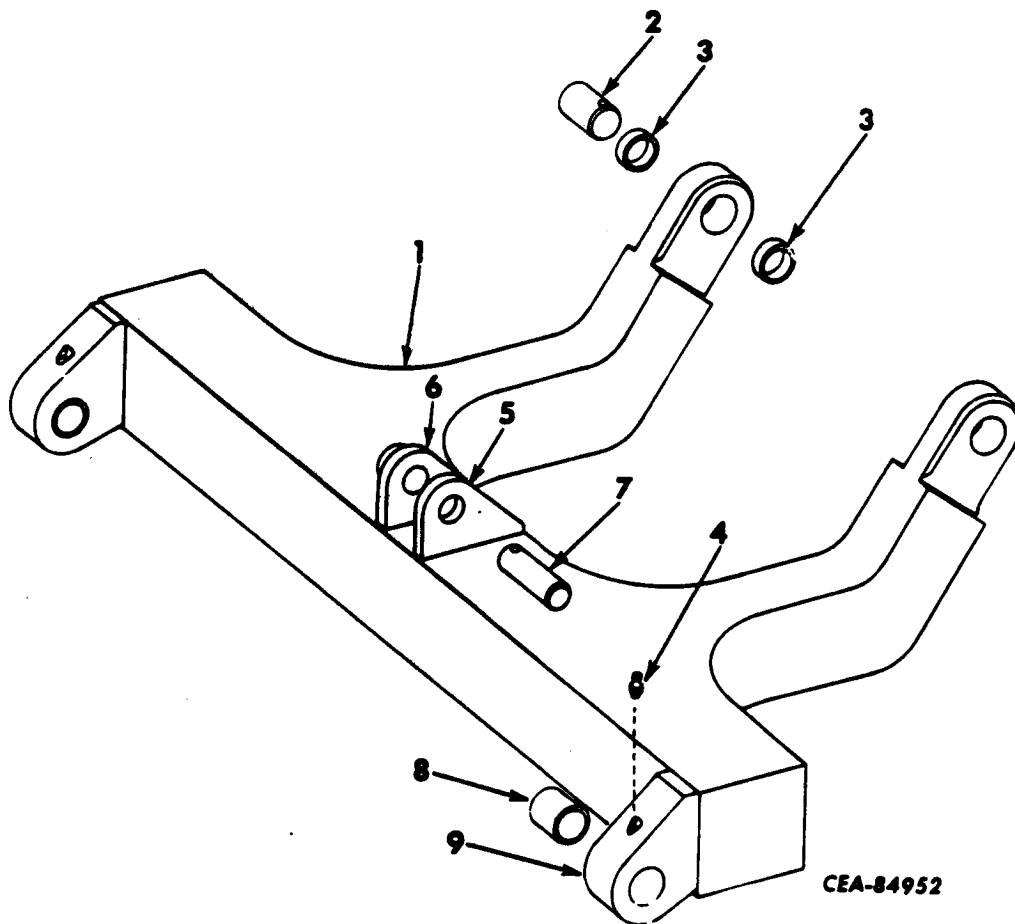
FRAME

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BULLGRADER "C" FRAME - Continued					
Cable					
15	317 498 R1	BUSHING, swivel pin, large (Order BUSHING, 620 914 C2, and PIN, 620 913 C1)			
15	620 914 C2	BUSHING, swivel pin, large (Together w/PIN, 620 913 C1, will work for BUSHING, 317 498 R1)			
16	317 499 R1	BUSHING, swivel pin, small (Optional w/BUSHING, 603 937 C1)			
16	603 937 C1	BUSHING, swivel pin, small (Optional w/BUSHING, 317 499 R1)			

FRAME

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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"C" FRAME
Cushion Dozer

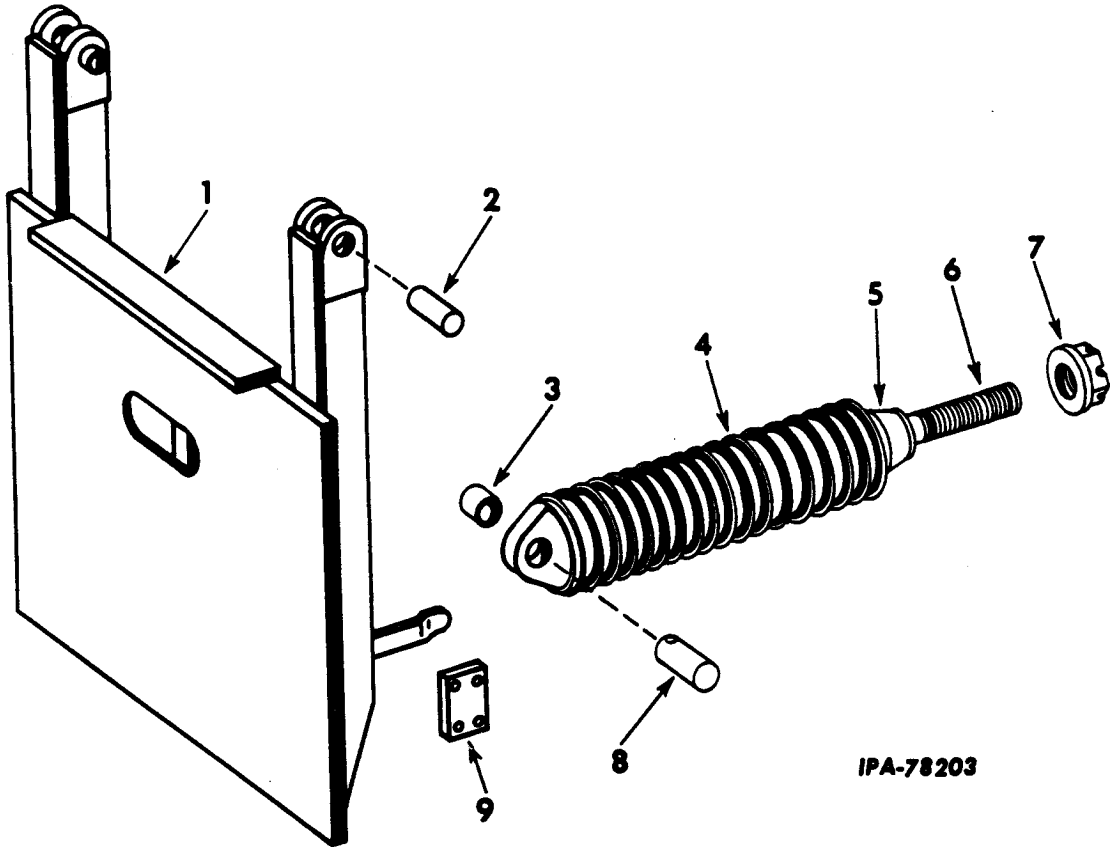


1	609 499 C91	FRAME ASSEMBLY, "C" (Composed of - 4 BUSHING 611 507 C1 4 FITTING 109 461 1 LUG, LH 700 537 C1 1 LUG, RH 700 538 C1 2 PIVOT 611 508 C11)	5	700 537 C1	LUG, LH, hydraulic lift
2	618 104 C1 25 700 R1 9 413 962	PIN, "C" frame pivot (2) SCREW, hex-hd cap (2) NUT, Stover lock (2)	6	700 538 C1	LUG, RH, hydraulic lift
3	611 507 C1	BUSHING (4)	7	611 548 C1 25 285 R1 9 413 956 335 070 R1	PIN, cylinder mounting SCREW, hex-hd cap NUT, Stover lock SPACER (2)
4	109 461	FITTING, lubrication (4)	8	611 509 C1	BUSHING (4)
			9	611 508 C11	PIVOT, w/two BUSHING, 611 509 C1 (2)

FRAME

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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FRONT-MOUNTED PUSHER PLATE
 (Cushioned) (Model 25C CPF) (For use with tractors equipped with Radiator Guard and Front Frame)
 (Cushioned Pusher)



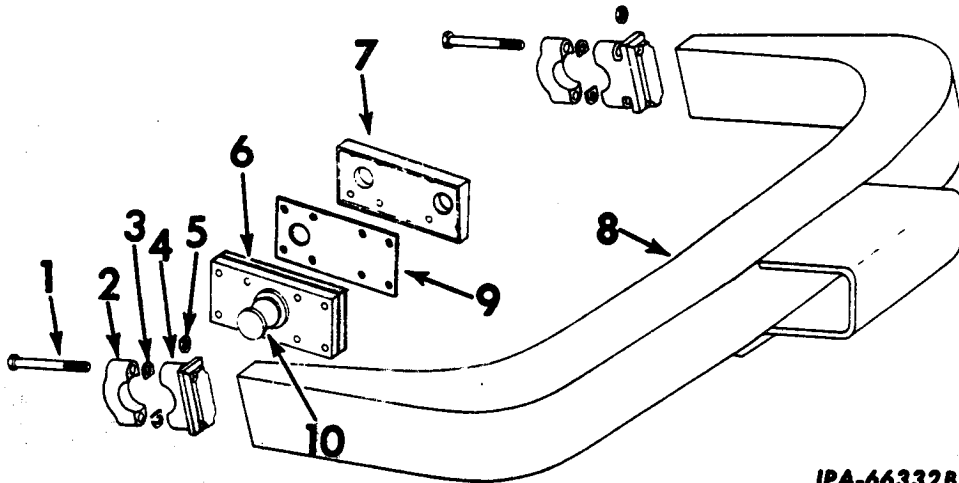
IPA-78203

1	342 617 R91	PLATE, push	9	342 643 R1 25 518 R1	PLATE, cover (2) SCREW, hex-hd cap (8)
2	315 387 R1	PIN, upper push plate (2)			
	9 413 956	NUT, Stover lock (2)			
	24 867 R1	SCREW, hex-hd cap (2)			
3	292 947 R1	BUSHING, retainer shaft (3)			
4	338 889 R91	DISC, spring rubber (60 DURO) (72)			
5	342 636 R91	ADJUSTER (3)			
6	342 635 R91	SHAFT, w/BUSHING, 292 947 R1, retainer (3)			
7	342 637 R91	NUT, retainer (3)			
	108 860	PIN, cotter (3)			
8	342 642 R1	PIN, retainer shaft (3)			
	9 413 956	NUT, Stover lock (3)			
	25 281 R1	SCREW, hex-hd cap (3)			

FRAME

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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REAR-MOUNTED PUSHER PLATE
 (Model 25C PCR) ("C" Frame Mounted) (For use with TD-25
 SERIES C International Crawler Tractor equipped with
 RIGID DRAWBAR, 623 546 C1)



IPA-66332B

1	20 279 R1	SCREW, hex-hd cap (4)	9	623 419 C1	SHIM, trunnion (X)
2	317 452 R1	CAP, trunnion bearing (2)	10	294 589 R4	TRUNNION (2)
3	317 453 R1	SHIM, trunnion bearing cap (16)		319 264 R91	PLATE and "C" FRAME (less CAPS), w/two BEARING, 317 442 R1, rear pusher
4	317 442 R1	BEARING, trunnion (2)		266 179 R1	NUT, lock
5	317 456 R2	NUT, hex (4)		289 755 R1	BOLT, hex
6	700 832 C93	BRACKET, w/TRUNNION, 294 589 R4 (2)			
	25 894 R1	SCREW, hex-hd cap (16)			
7		PAC, equipment mounting (welded to track frame) (2)			
8	319 263 R91	PLATE and "C" FRAME ASSY (w/ CAPS), rear pusher (Composed of - 2 BEARING 317 442 R1 2 CAP 317 452 R1 4 NUT 317 456 R2 1 PLATE and "C" FRAME 319 264 R91 4 SCREW 20 279 R1 16 SHIM 317 453 R1)			

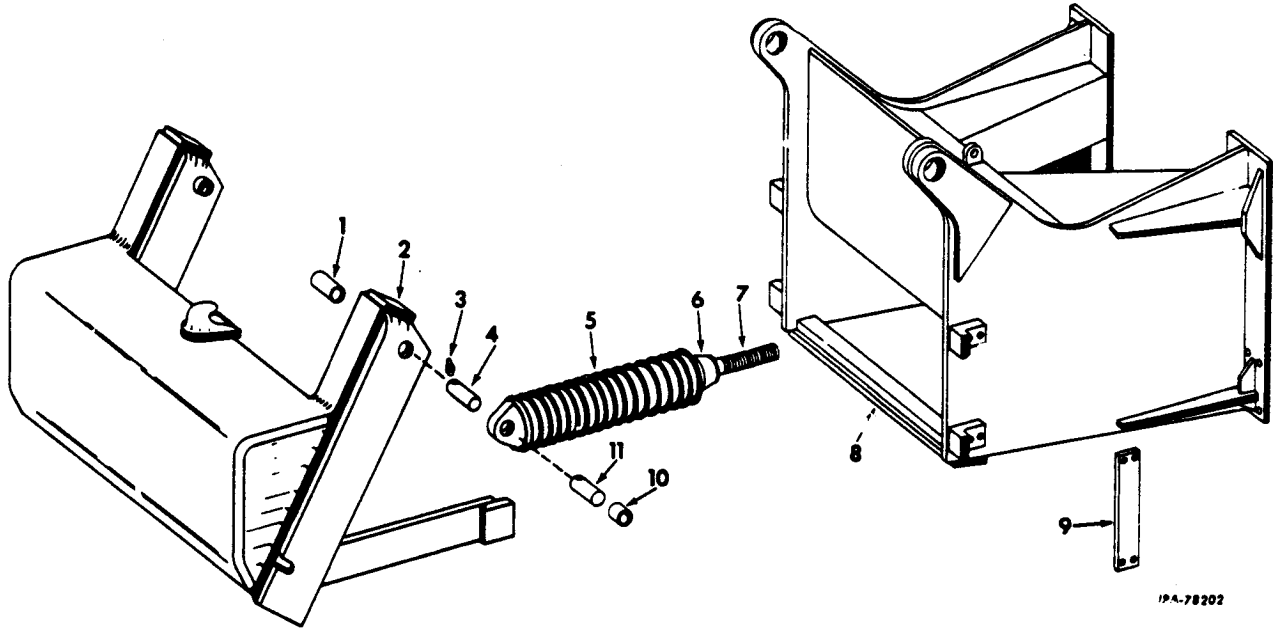
(X) - As Required.

FRAME

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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REAR-MOUNTED PUSHER PLATE

(Cushioned) (Model 25C CPR) (For use with tractors not equipped with Standard Drawbar, Swinging Drawbar Attachment or Counterweight Drawbar Attachment)



1	290 907 R2	BUSHING, bumper frame (2)	8	701 562 C91	FRAME, w/two BUSHING, 290 907 R2, bumper
2	342 669 R91	BUMPER, push		25 985 R1	NUT, 1-1/8" (8)
3	109 461	FITTING, straight upper pivot pin lubrication (2)		25 671 R1	NUT, 1-1/2" NF (8)
4	329 496 R1	PIN, upper pivot (2)		22 286 R1	SCREW, hex-hd cap (4)
9	413 956	NUT, Stover lock (2)	9	342 643 R1	PLATE, cover (2)
	275 635 R1	SCREW, hex-hd cap (2)		25 518 R1	SCREW, hex-hd cap (8)
	342 731 R1	WASHER (4)	10	292 947 R1	BUSHING, retainer shaft (2)
5	338 889 R91	DISC, spring rubber (60 DURO) (48)	11	342 642 R1	PIN, retainer shaft
6	342 636 R91	ADJUSTER (2)	9	413 956	NUT, Stover lock (2)
7	342 635 R91	SHAFT, w/BUSHING, 292 947 R1, retainer (2)		25 281 R1	SCREW, hex-hd cap (2)
	342 637 R91	NUT, shaft retainer (2)			
	108 660	PIN, cotter (2)			

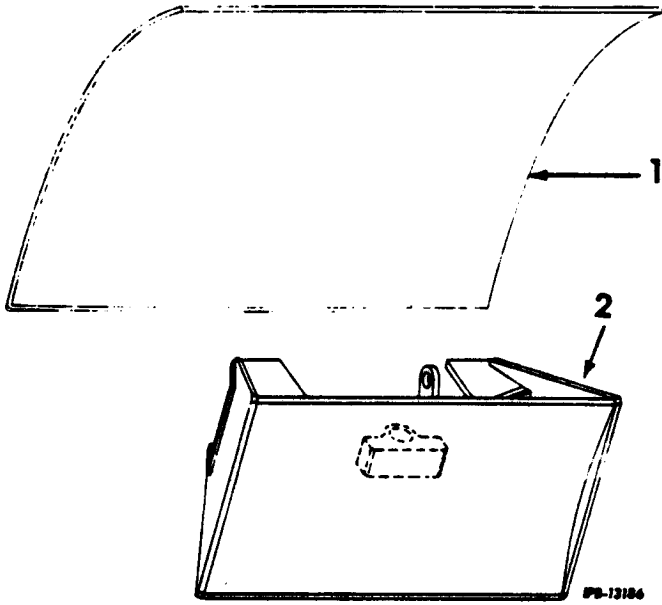
IPA-78202

FRAME

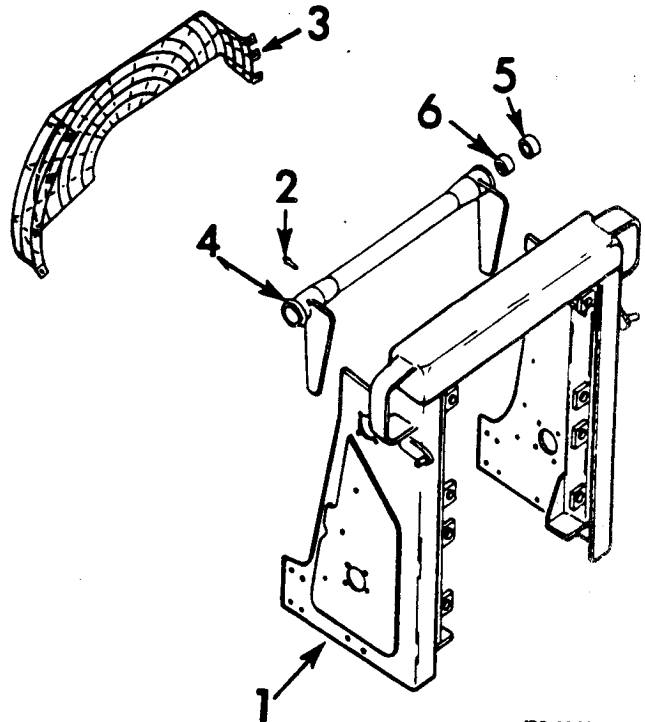
REF. NO.	PART NUMBER	DESCRIPTION
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REF. NO.	PART NUMBER	DESCRIPTION
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PUSHER PLATE AND BLOCK



RADIATOR GUARD (Hydraulic)



A	319 231 R91	ATTACHMENT, blade reinforcing pusher plate (welded) (used only on Bulldozers) (See NOTE 4)
B	319 233 R91	ATTACHMENT, blade reinforcing pusher plate (welded) (used only on Bulldozers) (Order ATTACHMENT, 623 557 C91) (See NOTE 4)
C	623 557 C91	ATTACHMENT, blade reinforcing pusher plate (welded) (used only on Bulldozers) (See NOTE 2)
D	319 138 R91	ATTACHMENT, "C" frame pusher block (detachable) (used only on 25G-2, and 25G-3) (See NOTE 4)
1	319 232 R1	PLATE, blade-mounted pusher (Attachment A)
1	319 234 R1	PLATE, blade-mounted pusher (Attachment B)
1	623 556 C1	PLATE, blade-mounted pusher (Attachment C)
2	319 138 R91	PLATE, pusher (Order 319 938 R91) (Attachment D)
	600 670 C1	PIN, main (Attachment D)
	600 669 C1	PIN, rod end (Attachment D)
	13 065 R1	PIN, cotter

1	703 002 C92	GUARD, w/CROSSTUBE, 703 004 C92, hydraulic radiator BOLT
	26 632 R1	SCREW, 6-3/4" long, hex-hd cap (11)
	25 968 R1	SCREW, 2-1/4" long, hex-hd cap (6)
	25 518 R1	NUT (11)
	25 531 R1	NUT (11)
	26 004 R1	NUT (11)
	232 361 R1	WASHER (24)
	232 358 R1	WASHER, hardened (6)
2	126 152	FITTING, 1/8" crosstube bushing lubrication (2)
3	700 143 C3	GUARD, finger (upper)
4	703 004 C92	CROSSTUBE, w/two BUSHING, 616 323 C2, and two BUSHING, 616 324 C2
5	616 324 C2	BUSHING, hoist yoke, outer (2)
6	616 323 C2	BUSHING, hoist yoke, inner (2)
	24 841 R1	SCREW, hex-hd cap (hydraulic cylinder hanger) (2)
	9 413 953	NUT, Stover (hydraulic cylinder hanger) (2)

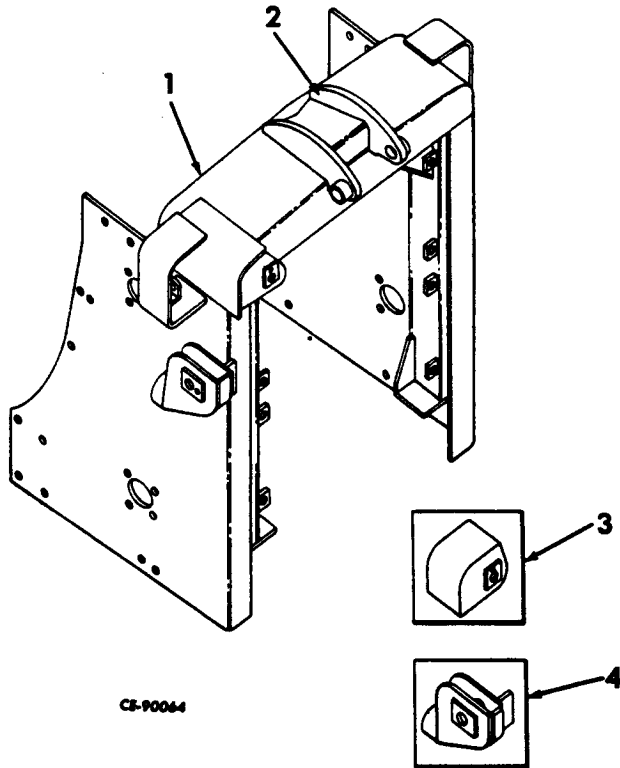
NOTE 2 - Field Application - Order on Machine Order Form.

NOTE 4 - Attachment Will no Longer Be Available. Service Parts Will Be Furnished as Ordered.

FRAME

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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RADIATOR GUARD (CABLE)



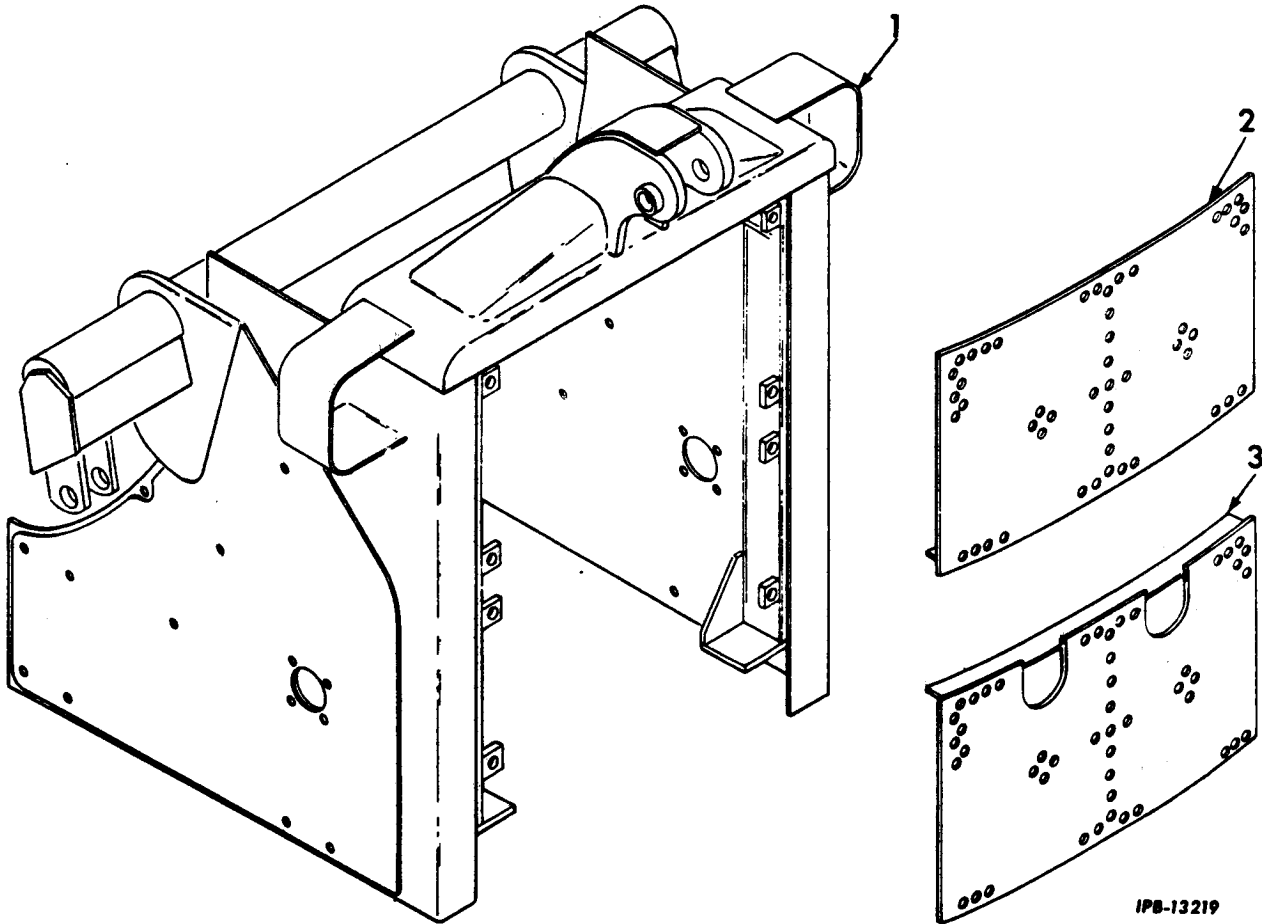
CF-90044

1	703 010 C92	GUARD, w/SUPPORT, 703 008 C1, BRACKET, 700 092 C1, and BRACKET, 703 009 C1, cable radiator
	26 004 R1	NUT
	25 531 R1	NUT (11)
	25 968 R1	SCREW, 6-3/4" long, hex-hd cap (11)
	26 632 R1	BOLT
	25 518 R1	SCREW, 2-1/4" long, hex-hd cap (6)
	232 361 R1	WASHER (24)
	232 358 R1	WASHER, hardened (6)
2	703 008 C1	SUPPORT, upper sheave
3	700 092 C1	BRACKET, corner sheave
4	703 009 C1	BRACKET, side sheave
	24 850 R1	SCREW, hex-hd cap (for mounting upper end of right-hand headlight guard) (4)

FRAME

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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RADIATOR GUARD
(Cushion Dozer) (For tractors equipped with Cushion Dozer)



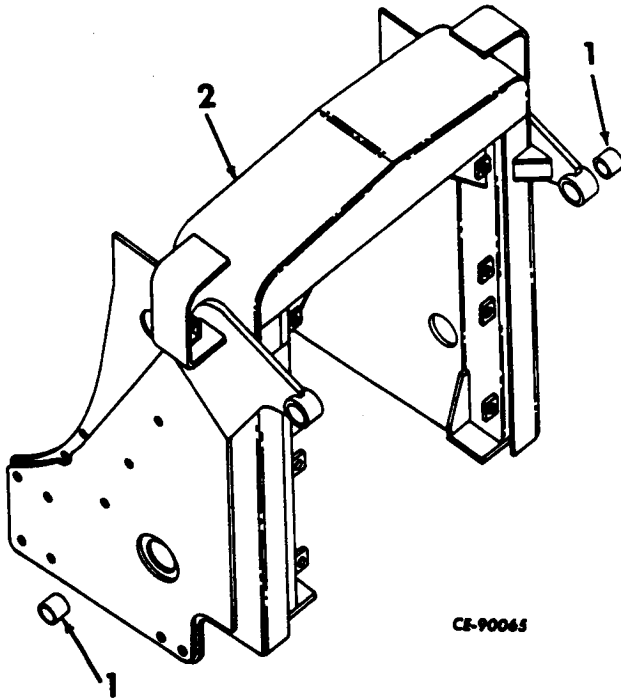
IPB-13219

1	703 074 C2 25 531 R1 25 986 R1	GUARD, radiator NUT (12) SCREW, 7-1/4" long, hex-hd cap (12)	25 518 R1 232 361 R1 232 358 R1	SCREW, 2-1/4" long, hex-hd cap (6) WASHER (24) WASHER, hardened (6)	3	703 077 C1 24 886 R1 103 346	DOOR, lower guard SCREW, hex-hd cap (4) WASHER, flat (4)
2	703 006 C1 26 323 R1 25 538 R1	DOOR, upper guard SCREW, hex-hd cap (4) WASHER, flat (4)	703 417 C1 70 427 R1 115 314 446 211	GUARD, headlight (2) SCREW, hex-hd cap (8) WASHER, lock (8) WASHER, flat (8)			

FRAME

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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RADIATOR GUARD
 (Cushion Pusher) (For tractors equipped with 25C-PF front-mounted Cushion Pusher)



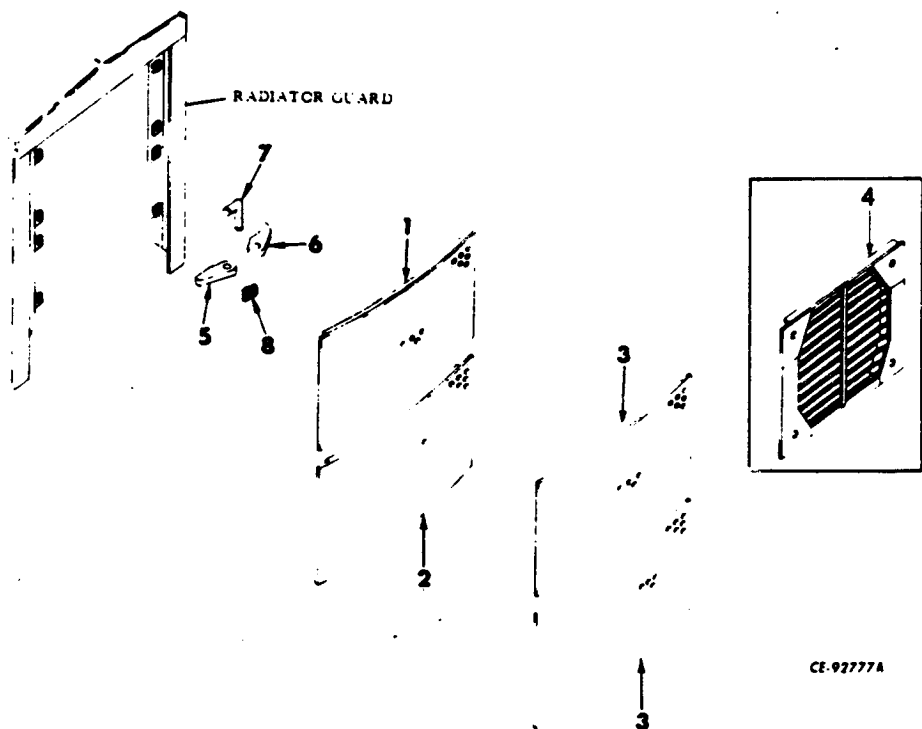
CE-90065

1	342 644 R1	BUSHING, radiator guard (4)
2	703 092 C92	GUARD, w/four BUSHING, 342 644 R1, radiator
	25 531 R1	NUT (12)
	25 518 R1	SCREW, 2-1/4" long, hex-hd cap (6)
	25 986 R1	SCREW, 7-1/4" long, hex-hd cap (12)
	232 361 R1	WASHER (24)
	232 358 R1	WASHER, hardened (6)

FRAME

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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RADIATOR GUARD DOORS AND HINGES



1	703 006 C1 26 323 R1 25 538 R1	DOOR, radiator guard, upper (Not used w/Louvered Door Attachment) SCREW, hex-hd cap (4) WASHER, hardened (4)	8	373 025 R91	RETAINER, radiator guard door hinge pin (Part of ATTACHMENT, 632 097 C91) (8)
2	700 482 C1 26 323 R1 25 538 R1	DOOR, radiator guard, lower SCREW, hex-hd cap (4) WASHER, hardened (4)		703 514 C91	ATTACHMENT, radiator guard, louvered (Consists of Ref. 4) (See NOTE 3)
3	617 579 C1	PLATE, door (Available for certain forestry operations where this part is welded on the door by the customer) (x)		632 097 C91	ATTACHMENT, radiator guard door hinge (Order ATTACHMENT, 635 232 C91) (For machines equipped w/standard or hydraulic radiator GUARD) (See NOTE 4) (Consists of - 8 HINGE 617 981 C1 8 HINGE 617 982 C1 8 PIN 612 915 C1 8 RETAINER 373 025 R91)
4	703 544 C2 26 323 R1 25 538 R1	DOOR, radiator guard, louvered (Part of ATTACHMENT, 703 514 C91) SCREW, hex-hd cap (4) WASHER, hardened (4)		635 232 C91	ATTACHMENT, radiator guard door hinge (For machines equipped w/standard or hydraulic radiator GUARD) (See NOTE 3) (Consists of - 4 HINGE 650 899 C1 4 HINGE 620 473 C1 4 NUT 9 413 983 4 SCREW 24 890 R1 4 WASHER 103 346)
5	617 981 C1	HINGE, radiator guard door (Part of ATTACHMENT, 632 097 C91) (8)			
5	650 899 C1	HINGE, radiator guard (Part of ATTACHMENT, 635 232 C91)			
6	617 982 C1	HINGE, radiator guard (Part of ATTACHMENT, 632 097 C91) (8)			
6	620 473 C1 24 890 R1 103 346 9 413 983	HINGE, radiator guard (Part of ATTACHMENT, 635 232 C91) SCREW, hex-hd cap WASHER, flat NUT, lock			
7	612 915 C1	PIN, radiator guard door hinge (Part of ATTACHMENT, 632 097 C91) (8)			

(x) - As Required.

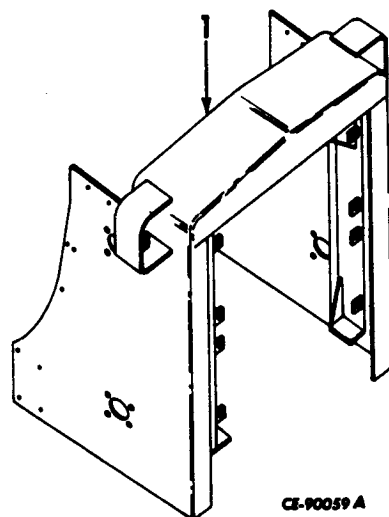
NOTE 3: Field Application - Order through regular service parts channels.

NOTE 4: Attachment no longer available. Service parts will be furnished as ordered.

FRAME

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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RADIATOR GUARD (Standard)

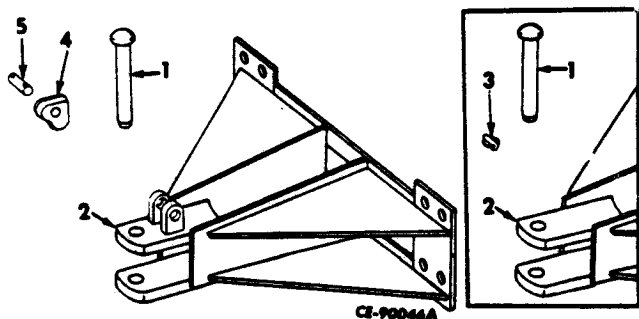


- | | | |
|---|------------|--|
| 1 | 703 001 C2 | GUARD, radiator |
| | 25 968 R1 | SCREW, 6-3/4" long, hex-hd cap
(12) |
| | 25 518 R1 | SCREW, 2-1/4" long, hex-hd cap (6) |
| | 232 358 R1 | WASHER, hardened (6) |
| | 232 361 R1 | WASHER, mounting (24) |
| | 25 531 R1 | NUT (12) |

FRAME

REF. NO.	PART NUMBER	DESCRIPTION
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RIGID DRAWBAR

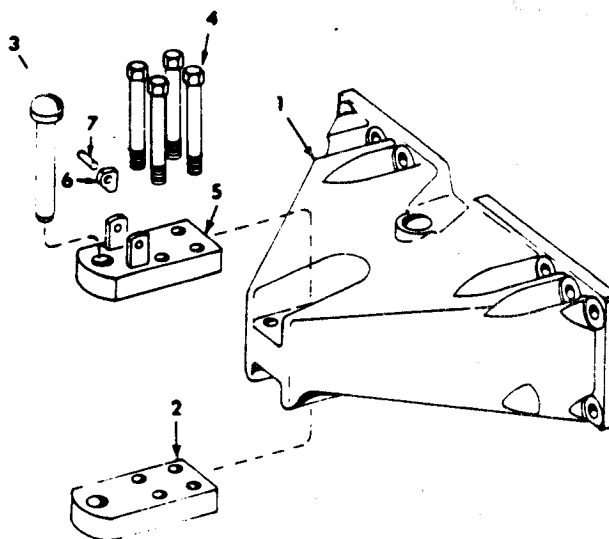


1	617 716 C1	PIN, drawbar clevis Manual Shift (%) and below Power Shift (%) and below
1	620 124 C2	PIN, drawbar clevis Manual Shift (%) and up Power Shift (%) and up
2	703 045 C2	DRAWBAR, rigid (Together w/LOCK, 280 494 R1, PIN, 306 244 R1, and two PIN, 108 645, will work for DRAWBAR, 703 045 C1) (Not used w/swinging drawbar attachment or rear-mounted pusher plates)
2	623 546 C1	DRAWBAR, rigid (Used w/rear-mounted pusher plates)
	25 985 R1	NUT, 1-1/2" (8) Manual Shift 1988 and below Power Shift 1988 and below
	25 671 R1	NUT, 1-1/2", NF (8) Manual Shift 1989 and up Power Shift 1989 and up
	157 497 R1	WASHER, flat (6)
3	617 717 C1	LOCK, drawbar clevis pin (Used w/PIN, 617 716 C1)
3	392 181 R91	LOCK, drawbar clevis pin (Used w/PIN, 620 124 C1)
4	280 494 R1	LOCK, drawbar clevis pin
5	306 244 R1 108 645	PIN, drawbar clevis lock PIN, cotter (2)

(%) - Serial Number Not Available.

REF. NO.	PART NUMBER	DESCRIPTION
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COUNTERWEIGHT DRAWBAR



A	703 570 C91	ATTACHMENT, counterweight drawbar (Used only on tractors equipped w/hydraulic blade equipment) (See NOTE 2) Manual Shift 1988 and below Power Shift 1988 and below
B	628 429 C91	ATTACHMENT, counterweight drawbar (Used only on tractors equipped w/hydraulic blade equipment) (See NOTE 4) Manual Shift 1989 and up Power Shift 1989 and up
1	617 955 C1 25 985 R1 25 671 R1 157 497 R1	DRAWBAR NUT, 1-1/2" (Att. A) (8) NUT, 1-1/2" NF (Att. B) (8) WASHER, flat (8)
2	331 318 R1	CLEVIS, lower drawbar
3	620 124 C2	PIN, drawbar clevis (Not part of Att.)
4	331 321 R1 18 489 R1	BOLT, drawbar clevis (4) NUT, stop (4)
5	331 319 R91	CLEVIS, upper drawbar
6	280 494 R1	LOCK, drawbar clevis pin (Not part of Att.)
7	306 244 R1 108 645	PIN, drawbar clevis lock (Not part of Att.) PIN (2)

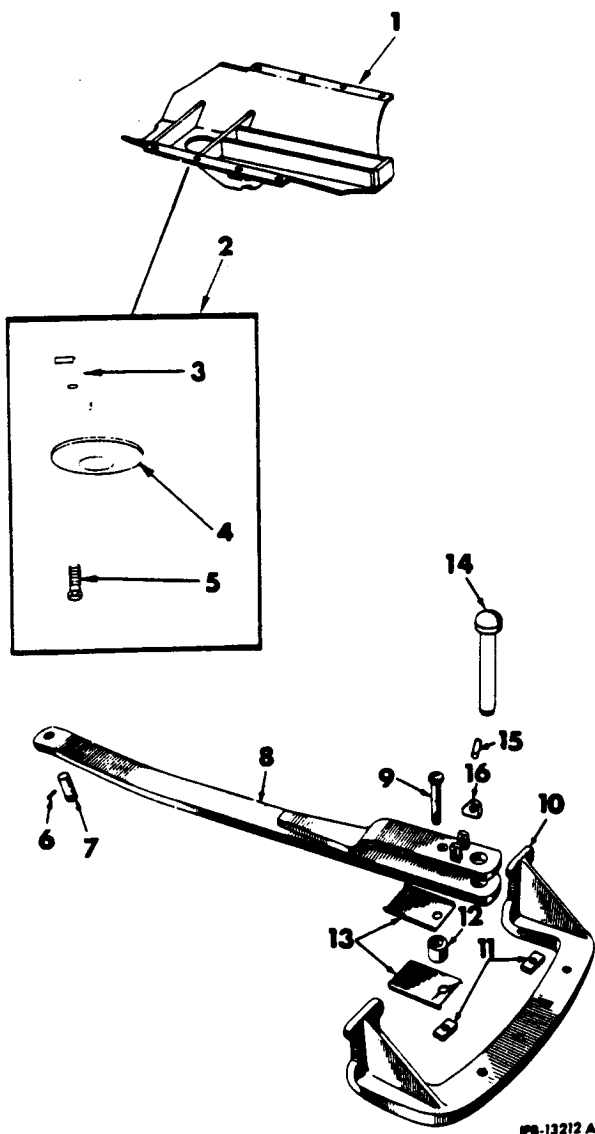
NOTE 2 - Field Application - Order on Machine Order Form.

NOTE 4 - Attachment No Longer Available. Service Parts will be Furnished.

FRAME

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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SWINGING DRAWBAR AND TRANSMISSION CASE GUARD



5	24 862 R1 25 536 R1	SCREW, hex-hd cap WASHER,hardened flat
6	279 397 R1	PIN, drawbar pivot pin retaining
7	276 744 R1	PIN, drawbar pivot
8	261 525 R92	DRAWBAR, w/side lock PLATES
9	25 981 R1 25 985 R1	BOLT, drawbar spacer NUT, NF
10	617 837 C1 25 985 R1 25 671 R1	BRACKET, drawbar guide NUT, 1-1/2" (8) Manual Shift 1988 and below Power Shift 1988 and below NUT, 1-1/2" NF (8) Manual Shift 1989 and up Power Shift 1989 and up
11	305 255 R1 25 984 R1 25 982 R1	PLATE, drawbar stop (2) NUT, NF (2) SCREW, NF, hex-hd cap (2)
12	251 859 R1	SPACER, drawbar
13	251 863 R1	PLATE, drawbar clevis wear (2)
14	620 124 C2	PIN, drawbar clevis (Not part of Att.)
15	306 244 R1 108 645	PIN, drawbar clevis lock (Not part of Att.) PIN, cotter (2)
16	280 494 R1	LOCK, drawbar clevis pin (Not part of Att.)
1 085 442 R1		PAMPHLET, drawbar and case guard installation instruction (X)

632 074 C91 ATTACHMENT, swinging drawbar w/transmission case guard (See NOTE 3)

1	700 499 C1 25 987 R1 25 517 R1 331 994 R1 232 358 R1	GUARD, transmission case BOLT, 3-1/2" long, NF SCREW, 2" long, hex-hd cap (8) WASHER WASHER, hardened (8)
2	67 574 DC	COVER ASSY, oil drain hole
3	650 374 C1	SUPPORT, oil drain hole cover
4		COVER, oil drain hole (order 67 574 DC)

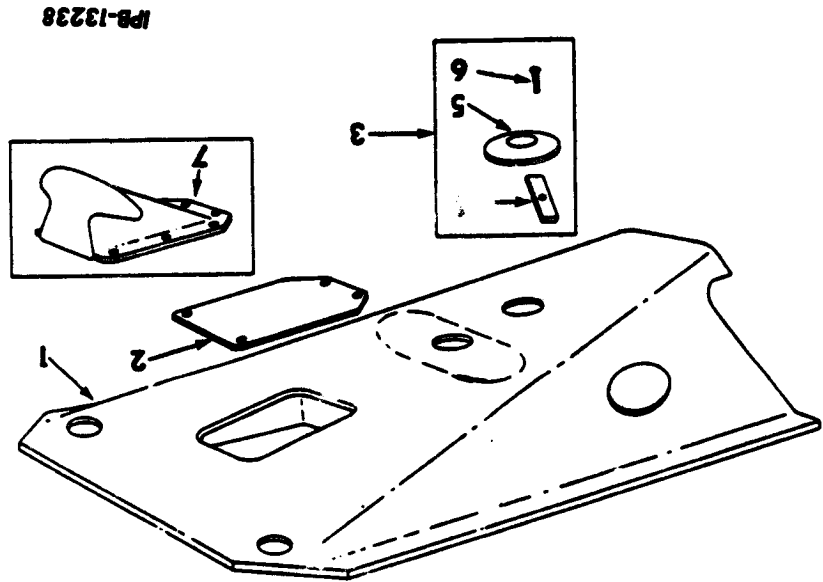
NOTE 3 - Field Application - Order through Regular Service Parts Channels.

(X) - As Required.

REF. NO.	PART NUMBER	DESCRIPTION
A	254 036 R01	ATTACHMENT, front pull hook (for tractors equipped w/crankcase GUARD, 703 000 C1, and 703 079 C1) (See NOTE 3)
B	700 080 C91	ATTACHMENT, crankcase guard, w/ front pull hook (See NOTE 3)
C	700 081 C91	ATTACHMENT, crankcase guard, w/ front pull hook (See NOTE 3)
D	703 083 C91	ATTACHMENT, crankcase guard (Use w/Cushion Pusher) (Power Shift) (See NOTE 3)
E	617 788 C1	SERVICE PARTS, crankcase guard (Use w/Cushion Dozer)
F	617 788 C1	SERVICE PARTS, crankcase guard w/front pull hook (Use w/Cushion Dozer)
G	703 474 C91	ATTACHMENT, crankcase guard, w/ front pull hook (severe service) (See NOTE 3)
H	703 584 C91	ATTACHMENT, crankcase guard (severe service) (See NOTE 3)
1	703 000 C1	GUARD, crankcase (Attachments B and C)
1	703 079 C1	GUARD, crankcase (Attachments E and F)
1	703 082 C1	GUARD, crankcase (Attachment D)

REF. NO.	PART NUMBER	DESCRIPTION
1	703 583 C1	GUARD, crankcase (Attachments G and H)
2	23 515 R1	BOLT w/Nylon insert (10 for Attachments B, C, G and H) (9 for Attachments E and F) (8 for Attachment D)
3	617 931 C1	SPACER, guard mounting screw (10 for Attachments B, C, G and H) (9 for Attachments E and F) (8 for Attachment D)
2	254 034 R1	COVER, bottom plate hand hole (Attachments B, E and H)
2	617 788 C1	COVER, bottom plate hand hole (Attachment D)
3	67 574 DC	COVER ASSY, access (1 for Attachments C and D) (2 for Attachments E and F) (3 for Attachments B, C, D, G and H)
3	670 942 C91	COVER ASSY, access (Attachment F)

NOTE 3 - Field Application - Order through Regular Service Parts Channels.



IPB-13238

REF. NO.	PART NUMBER	DESCRIPTION
6636 and below		CRANKCASE GUARD AND FRONT PULL HOOK

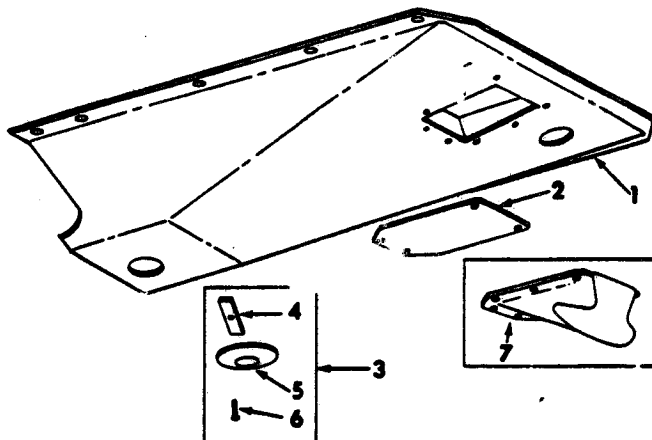
FRAME

FRAME

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CRANKCASE GUARD AND FRONT PULL HOOK -					
Continued					
6636 and below					
4	670 374 C1	SUPPORT, access cover (1 for Attachments C and D) (2 for Attachment E) (3 for Attachments B, C, D, F, G and H)			
5		COVER, access (Not furnished separately) (1 for Attachments C and D) (2 for Attachment E) (3 for Attachments B, C, D, F, G and H)			
6	24 862 R1	SCREW, hex-hd cap (1 for Attachments C and D) (2 for Attachment E) (3 for Attachments B, C, D, F, G and H)			
	25 536 R1	WASHER, hardened (1 for Attachments C and D) (2 for Attachment E) (3 for Attachments B, C, D, F, G and H)			
7	254 038 R91	HOOK, front pull (for Attachments C, F and G)			
	70 427 R1	SCREW, 1-1/4" long, hex-hd cap (8 for Attachments C and G)			
	25 530 R1	NUT (2 for Attachment F)			
	25 849 R1	SCREW, 1-3/4" long, hex-hd cap (6 for Attachment F)			
	25 764 R1	SCREW, 2-1/4" long, hex-hd cap (2 for Attachment F)			

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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CRANK CASE GUARD AND FRONT PULL HOOK
6637 and up



CE-115629

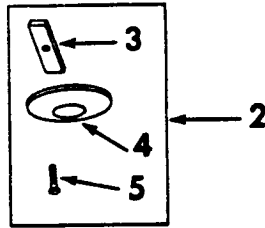
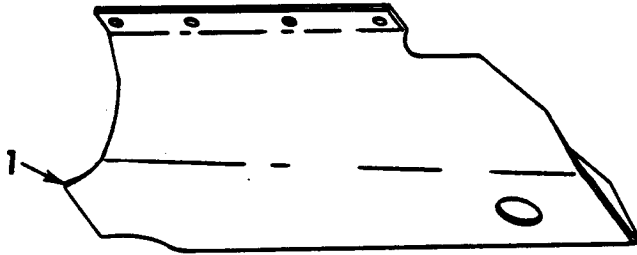
A	254 036 R91	ATTACHMENT, front pull hook (For tractors equipped with crankcase guard) (See NOTE 3)	2	254 034 R1 25 942 R1	COVER, hand hole (B, D) BOLT (4)
B	636 638 C91	ATTACHMENT, crankcase guard (See NOTE 3)	2	617 788 C1 25 942 R1	COVER, hand hole (F) BOLT (4)
C	636 634 C91	ATTACHMENT, crankcase guard w/front pull hook (See NOTE 3)	3	67 574 DC	COVER, drain hole (B, C, D, E, F) (3)
D	636 639 C91	ATTACHMENT, crankcase guard (severe service) (See NOTE 3)	4	650 374 C1	SUPPORT, access cover (B, C, D, E, F) (3)
E	636 637 C91	ATTACHMENT, crankcase guard w/front pull hook (severe service) (See NOTE 3)	5		COVER, access (Not furnished separately) (B, C, D, E, F) (3)
F	636 641 C91	ATTACHMENT, crankcase guard (Use w/cushion pusher) (See NOTE 3)	6	24 862 R1 25 536 R1	BOLT (B, C, D, E, F) (3) WASHER, hardened (3)
1	709 393 C1	GUARD, crankcase (B, C)	7	254 038 R91 25 849 R1	HOOK, front pull (A, C, E) BOLT (8)
1	709 394 C1	GUARD, crankcase (D, E)			
1	713 493 C1 23 515 R1 617 931 C1	GUARD, crankcase (F) BOLT (10) SPACER (B, C, D, E, F) (10)			

**NOTE 3 - Field Application - Order
through Regular Service
Parts Channels.**

FRAME

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRANSMISSION CASE GUARD



CE-90056

A	632 095 C1	ATTACHMENT, transmission case guard (See NOTE 3)
B	632 096 C91	ATTACHMENT, transmission case guard (Heavy Duty) (See NOTE 3)
1	700 497 C2	GUARD, transmission case (for Attachment A)
1	700 498 C2	GUARD, transmission case (for Attachment B)
	23 515 R1	BOLT, w/Nylon insert (8)
	617 931 C1	SPACER, transmission case guard mounting screw
2	67 574 DC	COVER ASSY, access
3	650 374 C1	SUPPORT, cover
4		COVER (Not furnished separately)
5	24 862 R1	SCREW, hex-hd cap
	25 536 R1	WASHER, hardened
1	085 442 R1	PAMPHLET, installation instruction (X)

(X) - As Required.

NOTE 3 - Field Application - Order through Regular Service Parts Channels.

**REFER TO ALPHABETICAL INDEX
FOR COMPLETE LISTING OF PARTS**

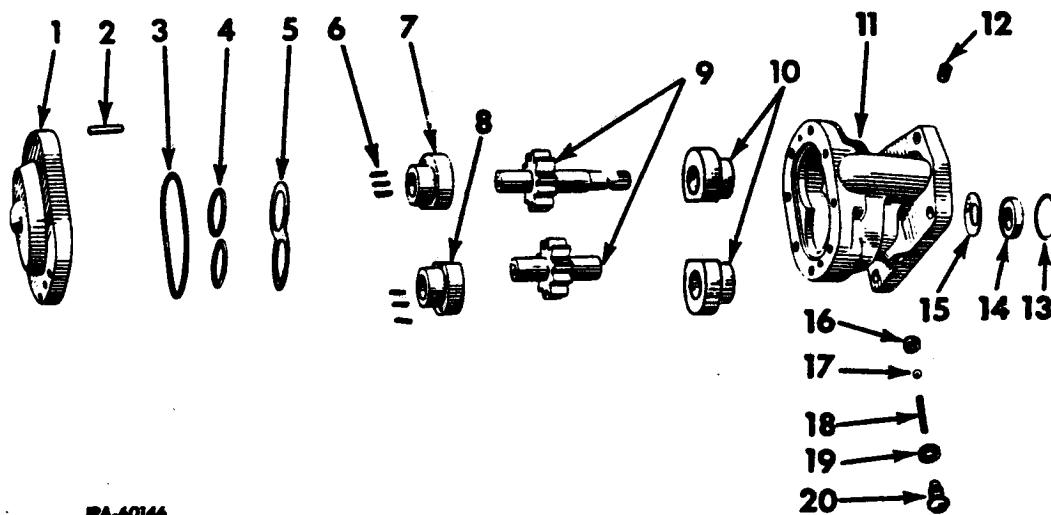
HYDRAULICS

10

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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HYDRAULIC STEERING PUMP
 Manual Shift 2037 and below
 Power Shift 2037 and below
 (Wooster)



PA-60146

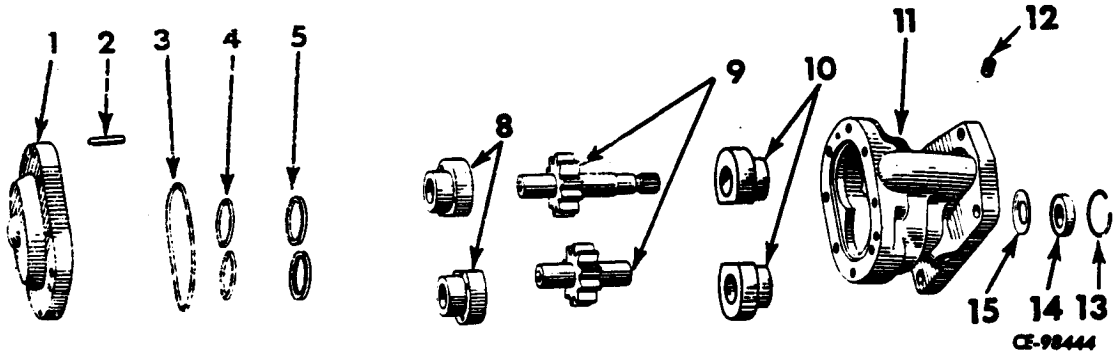
	347 658 R92	PUMP ASSY, hydraulic steering (Order PUMP, 625 389 C91)		9	338 361 R91 SET, matched drive and driven gear
	24 850 R1	SCREW, hex-hd cap (4)		10	317 694 R1 BEARING, body (2)
	103 342	WASHER, flat (4)		11	347 358 R1 BODY, pump
	115 314	WASHER, lock (4)		12	444 687 PLUG, hex-soc-hd pipe
1	347 359 R1	COVER, pump		13	273 026 R1 RING, snap
2	18 556 R1	PIN, Ears roll		14	338 366 R91 OIL SEAL
3	347 360 R1	"O" RING, cover		15	338 365 R1 BAFFLE
4	252 483 R1	"O" RING (2)		16	291 773 R1 SEAT, relief valve
5	257 746 R1	SPACER, cover bearing		17	17 010 R1 BALL (Replaces 16 010 R1)
6	317 705 R1	SPRING, bearing (6)		18	361 715 R1 SPRING, relief valve
6	257 745 R1	SPRING, cover bearing (4)		19	291 775 R1 GASKET, relief valve
7	257 760 R2	BEARING, upper cover		20	291 776 R1 RETAINER, relief valve
8	260 363 R1	BEARING, lower cover			

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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HYDRAULIC STEERING PUMP
 Power Shift 2037 and below
 Manual Shift 2037 and below
 (Warner Motive)

This is ours



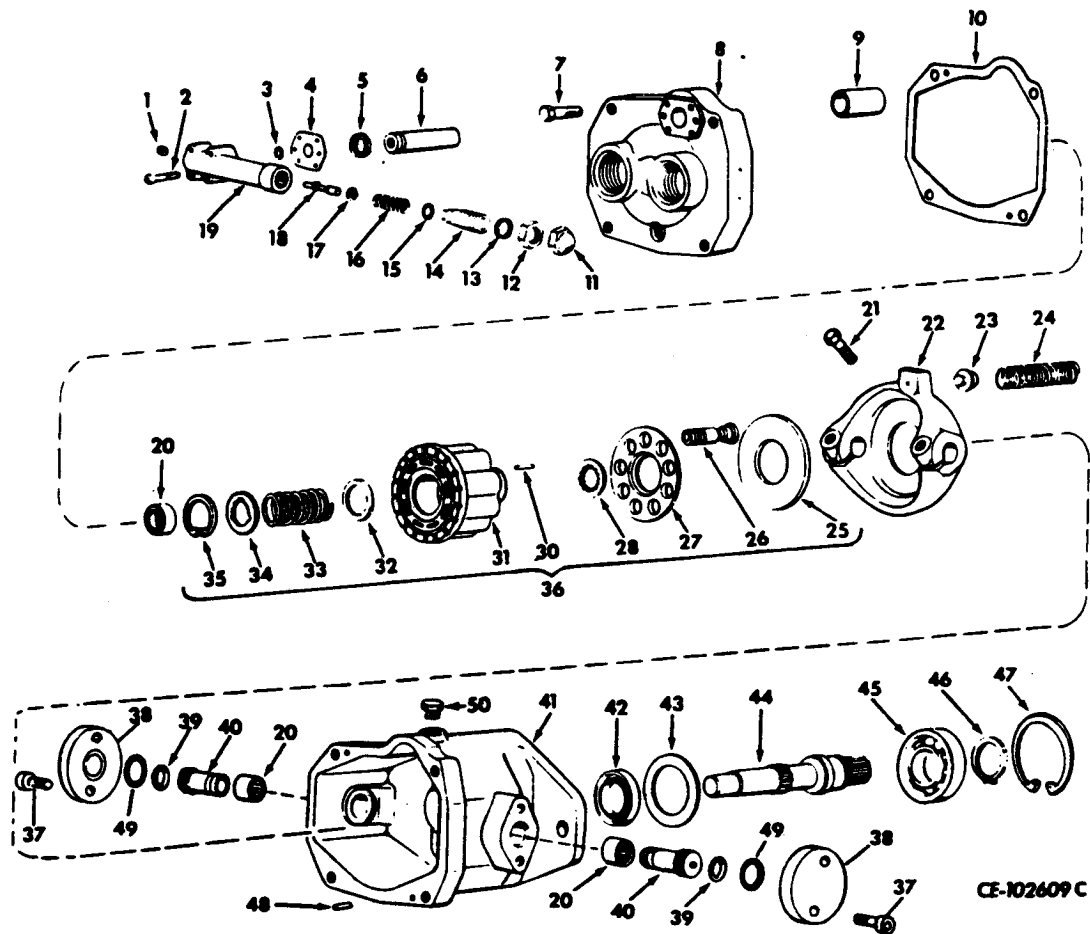
	625 389 C91	PUMP ASSY, hydraulic steering (will work for PUMP, 347 658 R92)	5	379 794 R1	SEAL RING (2)
	24 850 R1	SCREW, hex-hd cap (4)	8	625 645 C1	BEARING, cover (2)
	103 342	WASHER, flat (4)	9	338 361 R91	SET, matched drive and driven gear
	115 314	WASHER, lock (4)	10	625 646 C1	BEARING, body (2)
1	625 642 C1	COVER, pump	11	625 643 C1	BODY, pump
	179 840	SCREW, hex-hd cap (8)	12	444 687	PLUG, hex-soc-hd pipe
	132 891 H1	WASHER, lock (8)	13	273 026 R1	RING, snap
2	18 556 R1	PIN, Esna roll (2)	14	338 366 R91	OIL SEAL
3	347 360 R1	"O" RING, cover	15	338 365 R1	BAFFLE
4	625 641 C1	RING, back up (2)			

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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HYDRAULIC STEERING PUMP

Power Shift 2038 and up
Manual Shift 2038 and up
(Vickers)



CE-102609 C

659 052 C92	PUMP, hydraulic steering (Together w/UNION, 587 577 R1, will work for PUMP ASSY., 659 080 C93)	4	630 814 C1	GASKET (%)
		4	666 017 C1	GASKET
328 974 R1	GASKET, steering pump	5	26 209 R1	RING, spiral snap
24 861 R1	SCREW, hex-hd cap (2)	6	630 815 C1	ROD, piston
116 121	WASHER, lock (2) (Consists of -	7	354 922 R1	BOLT, valve plate (4)
1	9 409 954	8		PLATE, valve (Not furnished separately)
1	135 135 H1	9	630 812 C1	PISTON, yoke actuating
2	147 114	10	733 720 C1	GASKET (Replaces 630 744 C1)
2	25 654 R1			
3	129 784 H1			

(%) - Service parts for 659 052 C91.

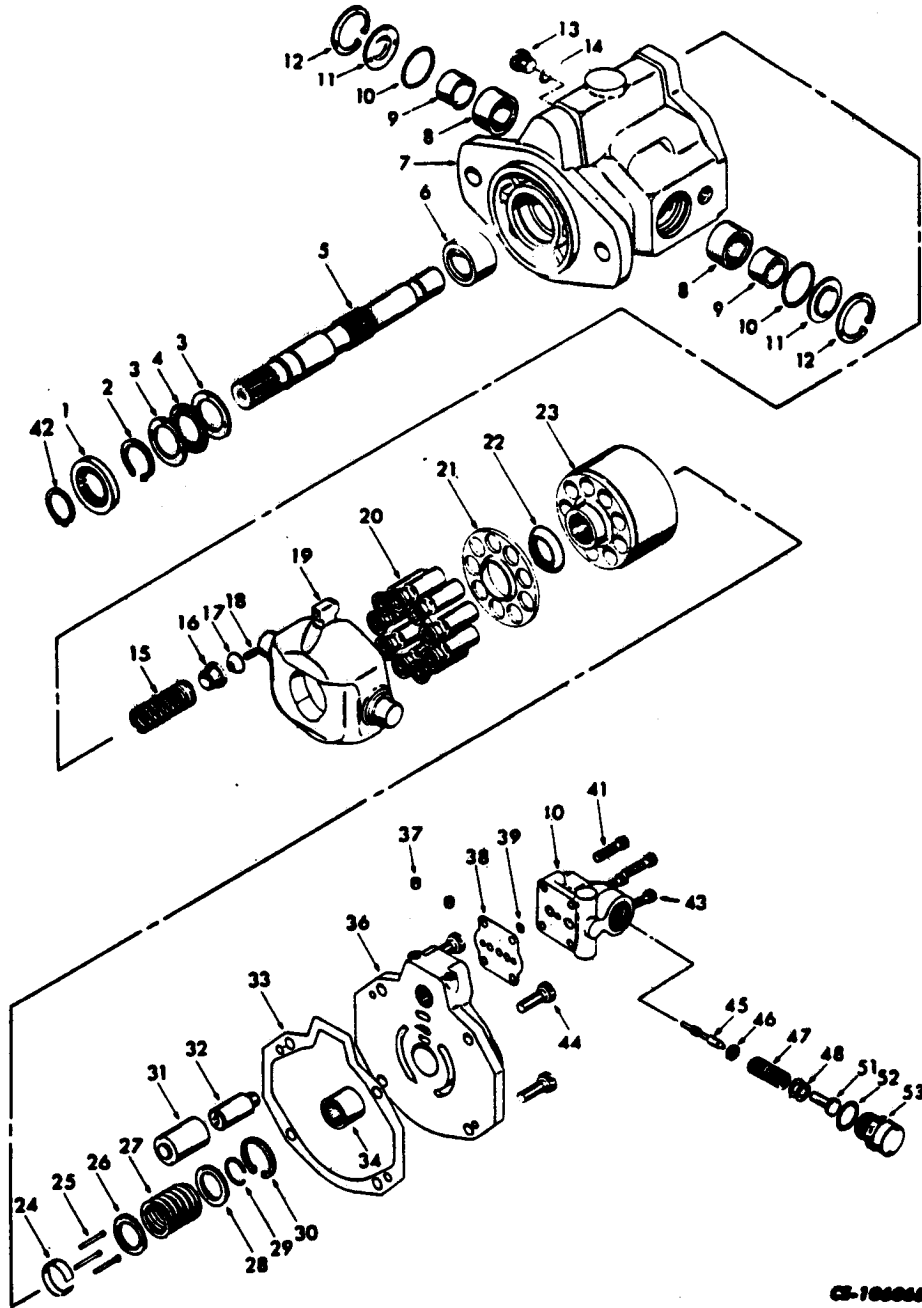
HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC STEERING PUMP - Continued			40	630 819 C1	PINTLE (2)
Power Shift 2038 and up			41		HOUSING (Not Furnished Separately)
Manual Shift 2038 and up			42	630 813 C1	SEAL
(Vickers)			43	536 881 R1	SPACER, shaft
11	131 492	NUT, acorn	44	630 816 C1	SHAFT, pump
12	218 447	NUT, jam	45	ST-211	BEARING, shaft ball
13	630 746 C1	WASHER (Used on PUMP 659 052 C91)	46	301 020 R1	RING, external snap
14	630 747 C1	PLUG, adjusting	47	145 910 H1	RING, internal snap
15	630 808 C1	RING, seal	48	19 877 R1	PIN, housing dowel (2)
16	630 748 C1	SPRING, adjustment	49	370 943 R1	"O" RING, pintle cover (2)
17	630 749 C1	SEAT, spring	50	9 410 358	PLUG
18	630 809 C1	SPOOL, compensator		630 818 C1	"O" RING
19	630 807 C1	BODY, compensator (%)		631 010 C91	KIT, pintle cover (Consists of 2 pintle COVER, 2 "O" RING, 370 943 R1 and 4 BOLT, 435 872)
19	666 016 C1	BODY, compensator			
20	276 574 R91	BEARING, roller (3)			
21	24 643 R1	SCREW, hex-hd cap (2)			
22		YOKE (Not Furnished Separately)			
23	630 811 C1	SEAT, yoke return spring			
24	630 810 C1	SPRING, yoke return			
25		PLATE, swash (Order KIT, 630 742 C91)			
26	536 873 R1	KIT, piston (Consists of 9 pistons w/shoes)			
27	536 872 R1	PLATE, shoe			
28	1 213 054 C1	WASHER, spherical (Replaces 536 870 R1 and 536 871 R1)			
30	536 869 R1	PIN (3)			
31		BLOCK, cylinder (Order KIT, 630 742 C91)			
32	536 867 R1	WASHER, thrust			
33	536 866 R1	SPRING, compression			
34	536 856 R1	WASHER, lift limiter			
35	630 745 C1	RING, snap			
36	630 742 C91	KIT, rotating group			
37	435 872	BOLT, pintle cover (4)			
38		COVER, pintle (Order KIT, 631 010 C91) (2)			
39	26 084 R1	"O" RING, pintle (2)			

(%) - Service parts for 659 052 C91)

HYDRAULICS

HYDRAULIC STEERING PUMP Power Shift 2038 and up Manual Shift 2038 and up (Casena)



CS-100065 B

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC STEERING PUMP - Continued					
Power Shift 2038 and up					
Manual Shift 2038 and up					
(Cessna)					
			24		PIN, keeper (Order PISTON BLOCK, 634 410 C92)
			25		PIN, loading (Order PISTON BLOCK, 634 410 C92) (3)
	659 080 C93	PUMP ASSY., hydraulic steering (Order PUMP ASSY., 659 052 C92 and UNION, 587 577 R1)	26		WASHER, spring loading (Order PISTON BLOCK, 634 410 C92)
	328 974 R1	GASKET, steering pump	27		SPRING, back load (Order PISTON BLOCK, 634 410 C92)
	24 861 R1	SCREW, hex-hd cap (2)			
	116 121	WASHER, lock (2) (Composed of -	28		WASHER, spring retaining (Order PISTON BLOCK, 634 410 C92)
1	631 883 C1	SEAL, shaft	29		RING, retainer (Order KIT, 631 843 C1)
2		RING, snap (Order KIT, 631 843 C1)	30		RING, snap (Order KIT, 631 843 C1)
3	631 879 C1	RACE, thrust (2)	31	631 868 C1	PISTON, control
4	619 150 C91	BEARING, thrust	32	631 849 C1	PIN, guide
5	634 408 C1	SHAFT, drive	33		GASKET (Order KIT, 631 843 C1)
6		BEARING, needle (Not Furnished Separately)	34	631 599 C1	BEARING, needle
7		HOUSING ASSY. (Not Furnished Separately)	36	631 867 C91	BACK PLATE ASSEMBLY (Composed of -
8	363 244 R91	BEARING, trunnion (2)			1 BEARING 631 599 C91
9	631 877 C1	RACE, inner (2)			1 GUIDE 631 849 C1
10		"O" RING (Order KIT, 631 843 C1)			2 PLUG 9 409 967)
11	631 860 C1	COVER, trunnion bearing (2)	37	444 855	PLUG, hex-soc-pipe (2)
12		RING, snap (Order KIT, 631 843 C1)	38		GASKET (Order KIT, 631 843 C1)
13	601 823 C1	PLUG	39		"O" RING (Order KIT, 631 843 C1)
14	364 839 R1	"O" RING	40	631 850 C91	COMPENSATOR ASSEMBLY (Composed of -
15	634 861 C1	SPRING, control (Replaces, 631 872 C1)			1 CAP, compen- 631 852 C1
16	631 864 C1	COLLAR, spring			§ 1 HOUSING
17	631 869 C1	BUTTON, pivot			1 RETAINER 631 853 C1
18	17 136 R1	PIN, roll			1 STOP 631 854 C1
19	631 861 C1	PLATE, cam			1 "O" RING 364 879 R1
20	631 844 C1	KIT, piston	41	181 317	SCREW, hex-hd cap (2)
21	631 871 C1	SPIDER	42	513 010 R1	RING, snap
22	631 870 C1	PIVOT, spider	43	181 321	SCREW, hex-hd cap (2)
23	634 410 C92	BLOCK, piston (Composed of -	44	179 841	SCREW, hex-hd cap (4)
		§ 1 PIN, keeper			(x) - As Required.
		§ 3 PIN, loading			§ - Not Furnished Separately.
		§ 1 WASHER, spring loading			
		§ 1 SPRING			
		§ 1 WASHER, spring retaining)			

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC STEERING PUMP - Continued					
Power Shift 2038 and up					
Manual Shift 2038 and up					
(Cessna)					
45		SPOOL (Order COMPENSATOR, 631 850 C91)			
46	631 853 C1	RETAINER, spring			
47	631 851 C1	SPRING			
48	631 857 C1	SHIM (.030" OD) (2)			
48	631 855 C1	SHIM (.003" OD) (x)			
48	631 856 C1	SHIM (.010" OD) (x)			
51	631 854 C1	STOP, spool			
52	364 879 R1	"O" RING			
53	631 852 C1	CAP, compensator			
	631 843 C1	KIT, seal			
		(Composed of .			
		§ 1 GASKET			
		§ 1 GASKET			
		§ 1 GASKET			
		§ 1 "O" RING			
		§ 1 "O" RING			
		§ 2 "O" RING			
		§ 1 "O" RING			
		§ 1 RING			
		§ 1 RING			
		§ 1 RING			
		§ 1 RING			
		§ 2 RING			
		§ 1 SEAL)			

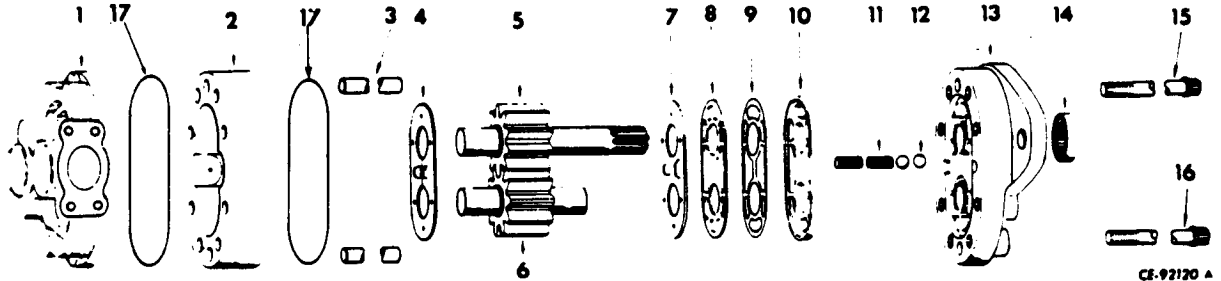
(x) - As Required.

§ - Not Furnished Separately.

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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STEERING SUPERCHARGE PUMP
 (Not Used on Machines Equipped with 2540
 (Series C) Hydraulic Control Unit)
 Power Shift 2038 and up
 Manual Shift 2038 and up

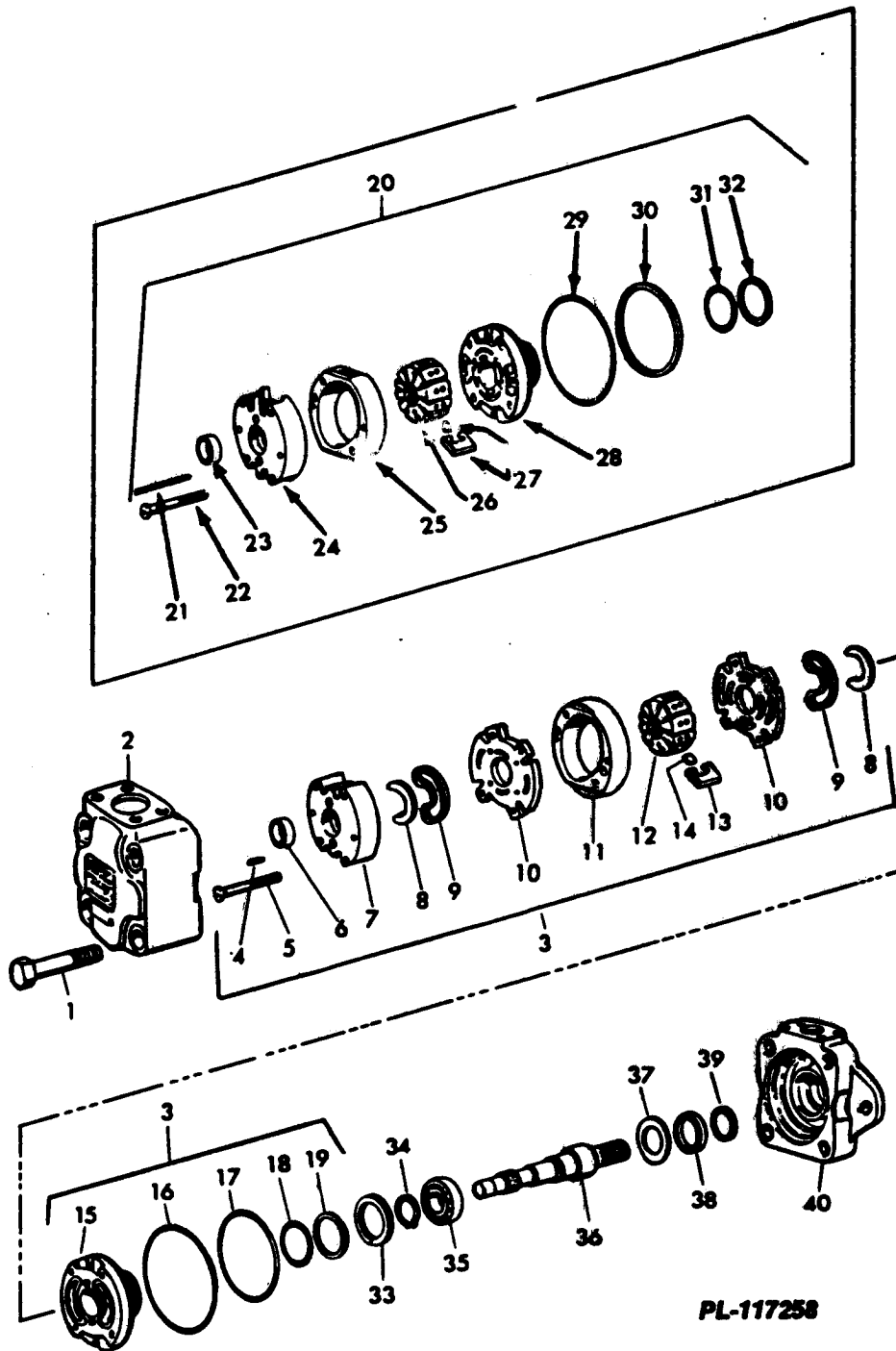


	621 792 C91	PUMP, hydraulic steering supercharge	10		SEAL, diaphragm (Order KIT, 67 055 C1)
	24 862 R1	SCREW, hex-hd cap (2)			
	116 121	WASHER, lock (2)			
	328 974 R1	GASKET, hydraulic supercharge pump	11		SPRING, check (Order KIT, 67 055 C1) (2)
1		PLATE, back (Not Furnished Separately)	12		BALL, steel (Order KIT, 67 055 C1) (2)
2		BODY, (Not Furnished Separately)	13		PLATE, front (Not Furnished Separately)
3		PIN, dowel (Not Furnished Separately) (2)	14		SEAL, shaft (Order KIT, 67 055 C1)
4		PLATE, thrust (Order KIT, 67 055 C1)	15	25 635 R1	SCREW, cap (4)
5		GEAR, drive (Not Furnished Separately)	16	202 207 H1	SCREW, cap (4)
6		GEAR, idler (Not Furnished Separately)	17		"O" RING (Order KIT, 67 055 C1) (2)
7		DIAPHRAGM (Order KIT, 67 055 C1)		67 055 C1	KIT, major seal repair (Consists of -
8		GASKET, back-up (Order KIT, 67 055 C1)			§ 2 BALL
9		GASKET, protector (Order KIT, 67 055 C1)			§ 1 DIAPHRAGM
					§ 1 GASKET, back-up
					§ 1 GASKET, protector
					§ 2 "O" RING
					§ 1 PLATE, thrust
					§ 1 SEAL, diaphragm
					§ 1 SEAL, shaft
					§ 2 SPRING
					§ 1 INSTRUCTIONS
					§ 1 RING, retaining
					§ 1 WASHER)

§ - Not Furnished Separately.

HYDRAULICS

HYDRAULIC EQUIPMENT PUMP (Vickers)



PL-117258

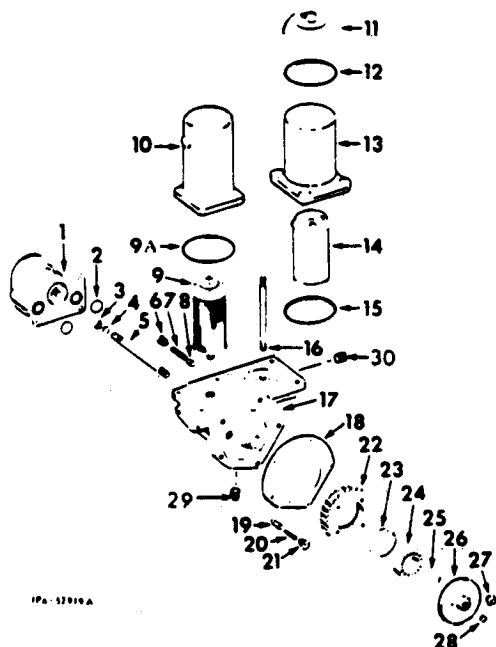
HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC EQUIPMENT PUMP - Continued (Vickers)			31		RING, seal (*)
			32		RING, back-up (*)
	700 855 C91 24 874 R1	PUMP ASSEMBLY HYDRAULIC BOLT (2) (Consists of -	33	299 899 R1	RING, lock
			34	659 380 R1	RING, snap
1	25 074 R1	BOLT (4)	35	610 391 C91	BEARING
2	204 991 H1	COVER, inlet	36	619 348 C1	SHAFT
3	1 132 168 C1	KIT, cartridge	37	165 022 H1	WASHER
4		PIN, locating (*) (2)	38		SEAL (*)
5		BOLT (*) (2)	39		WIPER (*)
6		BUSHING (*)	40	163 897 H1	BODY, outlet
7		PLATE, inlet support (*)			
8		"O" RING, performed (*) (4)			
9		RETAINER, seal (*) (4)			
10		PLATE, flex side (*) (2)			
11		RING, cam (*)			
12		ROTOR (*)			
13		VANE (*) (10)			
14		INSERT, vane (*) (10)			
15		PLATE, outer support (*)			
16		RING, sealing (*)			
17		RING, sealing (*)			
18		RING, sealing (*)			
19		RING, back-up (*)			
20	932 253 C91	KIT, cartridge (Order KIT, 1 132 168 C1)			
21		PIN (*) (2)			
22		BOLT (*) (2)			
23		BUSHING (*)			
24		WEAR PLATE SUB-ASSEMBLY (*)			
25		RING (*)			
26		ROTOR (*)			
27		VANE (*) (10)			
28		PLATE, pressure (*)			
29		RING, seal (*)			
30		SEAL, teflon (*)			

(*) - Not Furnished Separately.

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC STEERING PUMP DRIVE HOUSING, DRIVE GEAR, FILTERS AND RELATED PARTS Power Shift 2037 and below Manual Shift 2037 and below			7	260 221 R1	SPRING, suction line strainer relief valve
			8	260 222 R1	VALVE, hydraulic suction line strainer relief
			9	255 935 R91	ELEMENT, oil filter
			9A	254 688 R1	"O" RING, oil filter housing
			10	255 105 R6 24 864 R1 116 121	HOUSING, oil filter SCREW, hex-hd cap (4) WASHER, lock (4)
			11	259 955 R92	COVER w/VALVE, 39 677 DA and PIN, 17 076 R1, suction line strainer
			12	259 032 R1	GASKET, strainer cover
			13	310 088 R91 24 862 R1 116 121	CASE, suction line strainer SCREW, hex-hd cap (4) WASHER, lock (4)
			14	343 856 R91	STRAINER, hydraulic pump suction line
			15	254 693 R1	"O" RING, strainer case
			16	258 310 R1	STUD, hydraulic oil strainer
			17	310 082 R1 24 868 R1 115 093	HOUSING, hydraulic pump drive SCREW, hex-hd cap (5) WASHER, lock (5)
			18	279 704 R1	GASKET, hydraulic pump drive housing
			19	255 117 R1	VALVE, hydraulic pump oil filter relief
			20	255 118 R1	SPRING, oil filter relief valve
			21	263 281 R1	PLUG, oil filter relief valve
			22	310 083 R21	GEAR w/RING, 468 337 R1, hydraulic pump
			23	468 337 R1	RING, hydraulic pump gear snap
			24	12 331 VA	BEARING, hydraulic pump drive gear
			25	659 380 R1	RING, drive gear bearing snap
			26	310 085 R31 25 005 R1	ADAPTER w/two PIN, 141 236, spline drive SCREW, NF hex-hd cap (4)
			27	277 788 R1	LOCK, bolt (4)
1		PUMP ASSY, hydraulic steering (Refer to "Hydraulic Steering Pump")			
2	310 959 R1	"O" RING, pump inlet and outlet (2)			
3	255 116 R6	COUPLING, hydraulic pump drive			
4	269 174 R1	RING, drive shaft snap			
5	310 087 R1	SHAFT, hydraulic pump drive Manual Shift 1173 and below Power Shift 1173 and below (Order the following parts - 1 DRAWING IZG-9909 2 RING 269 174 R1 1 SHAFT 672 591 C1 1 WASHER 22 771 R1)			
5	672 591 C1	SHAFT, hydraulic pump drive Manual Shift 1174 to 2037 Power Shift 1174 to 2037			
6	263 281 R1	PLUG, suction line strainer relief valve			



HYDRAULICS

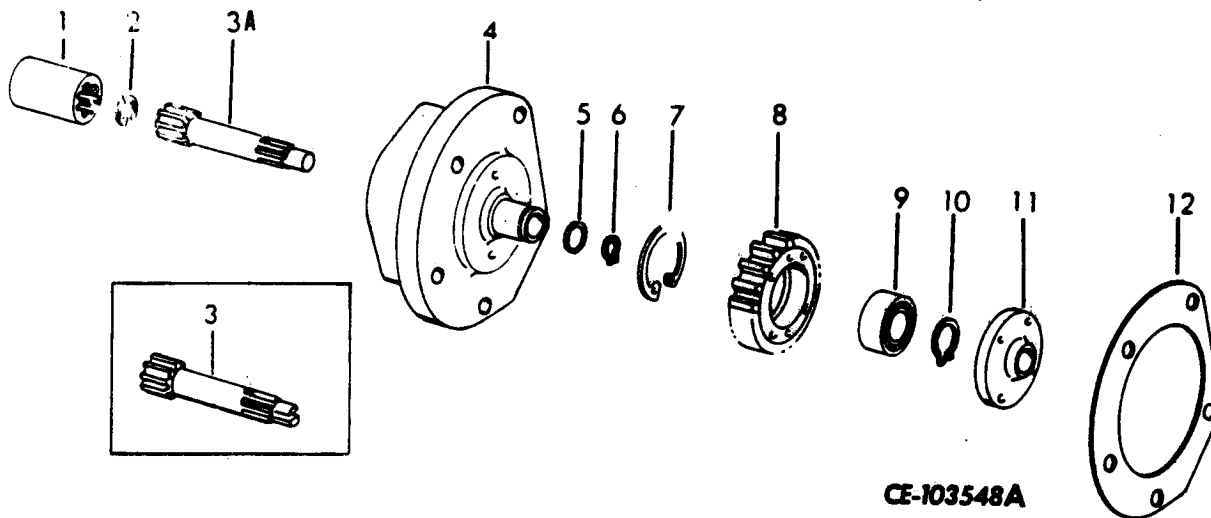
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC STEERING PUMP DRIVE HOUSING, DRIVE GEAR, FILTERS AND RELATED PARTS - Continued Power Shift 2037 and below Manual Shift 2037 and below					
28	310 086 R1	RING, spline drive adapter snap Manual Shift 1173 and below Power Shift 1173 and below			
28	269 174 R1	RING, drive shaft snap Manual Shift 1174 to 2037 Power Shift 1174 to 2037			
	22 771 R1	WASHER, snap ring retainer			
	255 088 R1	"O" RING, hydraulic pump flange			
	141 236	PIN, 3/8 x 1/2" dowel (2)			
	17 076 R1	PIN, 1/8 x 1/4" roll			
	39 677 DA	VALVE			
29	444 679	PLUG, 1"			
30	444 661	PLUG, 3/8"			

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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STEERING PUMP DRIVE

Manual Shift 2038 and up
Power Shift 2035 and up

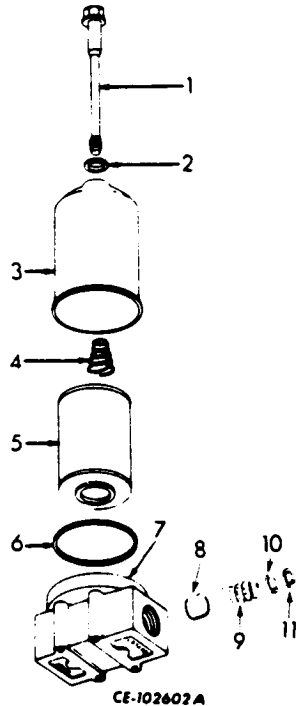


1	658 936 C1	COUPLING, hydraulic pump drive	8	310 083 R21	GEAR w/RING, 468 337 R1, hydraulic drive
2	55 163 R1	RING, pump drive coupling snap	9	12 331 VA	BEARING, hydraulic pump drive gear
3	658 934 C1	SHAFT, hydraulic pump drive 2038 to L536	10	659 380 R1	RING, gear bearing snap
3A	715 300 C1	SHAFT, hydraulic pump drive 6537 and up	11	310 085 R31	ADAPTER w/two PIN, 141 236, spline drive
4	658 992 C1	HOUSING, hydraulic steering pump drive		25 005 R1	SCREW, hex-hd cap (4)
	24 868 R1	SCREW, hex-hd cap (5)		277 788 R1	LOCK, bolt (4)
	116 121	WASHER, lock (5)	12	279 704 R1	GASKET, hydraulic pump drive housing
5	22 771 R1	WASHER		141 236	PIN, spline drive adapter (2)
6	269 174 R1	RING, drive shaft snap			
7	468 337 R1	RING, hydraulic pump drive gear snap			

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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STEERING PUMP SUCTION FILTER
 Manual Shift 2038 and up
 Power Shift 2038 and up

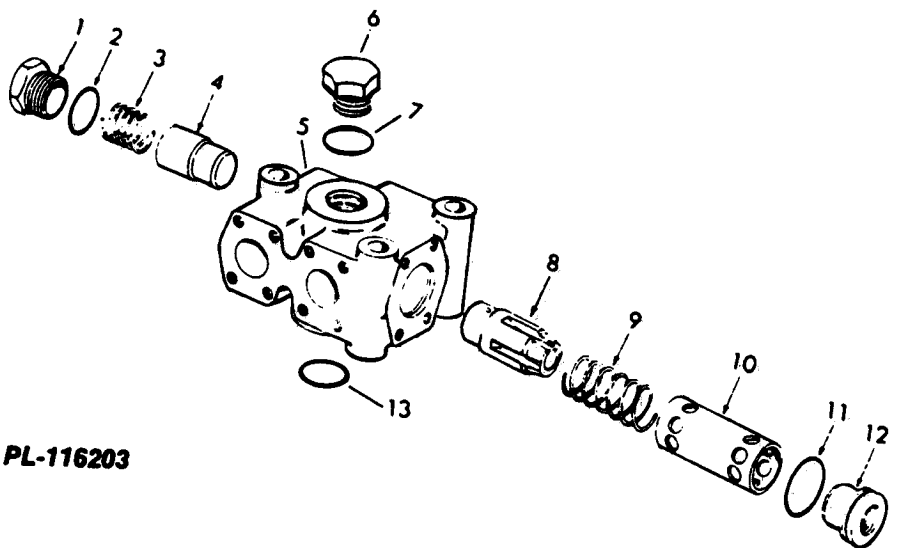


	659 130 C93	FILTER, steering pump suction			
	24 840 R1	SCREW, hex-hd cap (3)			
	115 093	WASHER, lock (3)			
		(Consists of -			
1	619 812 C1	BOLT, filter			
2	619 814 C1	GASKET, bolt			
3	619 810 C1	BODY, filter			
4	471 633 R1	SPRING			
5	381 256 R92	ELEMENT, filter			
6	3 042 934 R1	"O" RING			
7		BASE ASSY, filter (Not Furnished Separately)			
		(Composed of -			
		1 RING	338 835 R1		
		1 SPRING	622 663 C1		
		1 VALVE	706 950 C1		
		1 WASHER	103 343)	
8	706 950 C1	VALVE, filter by pass			
9	622 663 C1	SPRING			
10	103 343	WASHER			
11	338 835 R1	RING, retaining			

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BLADE EQUIPMENT QUICK DROP VALVE



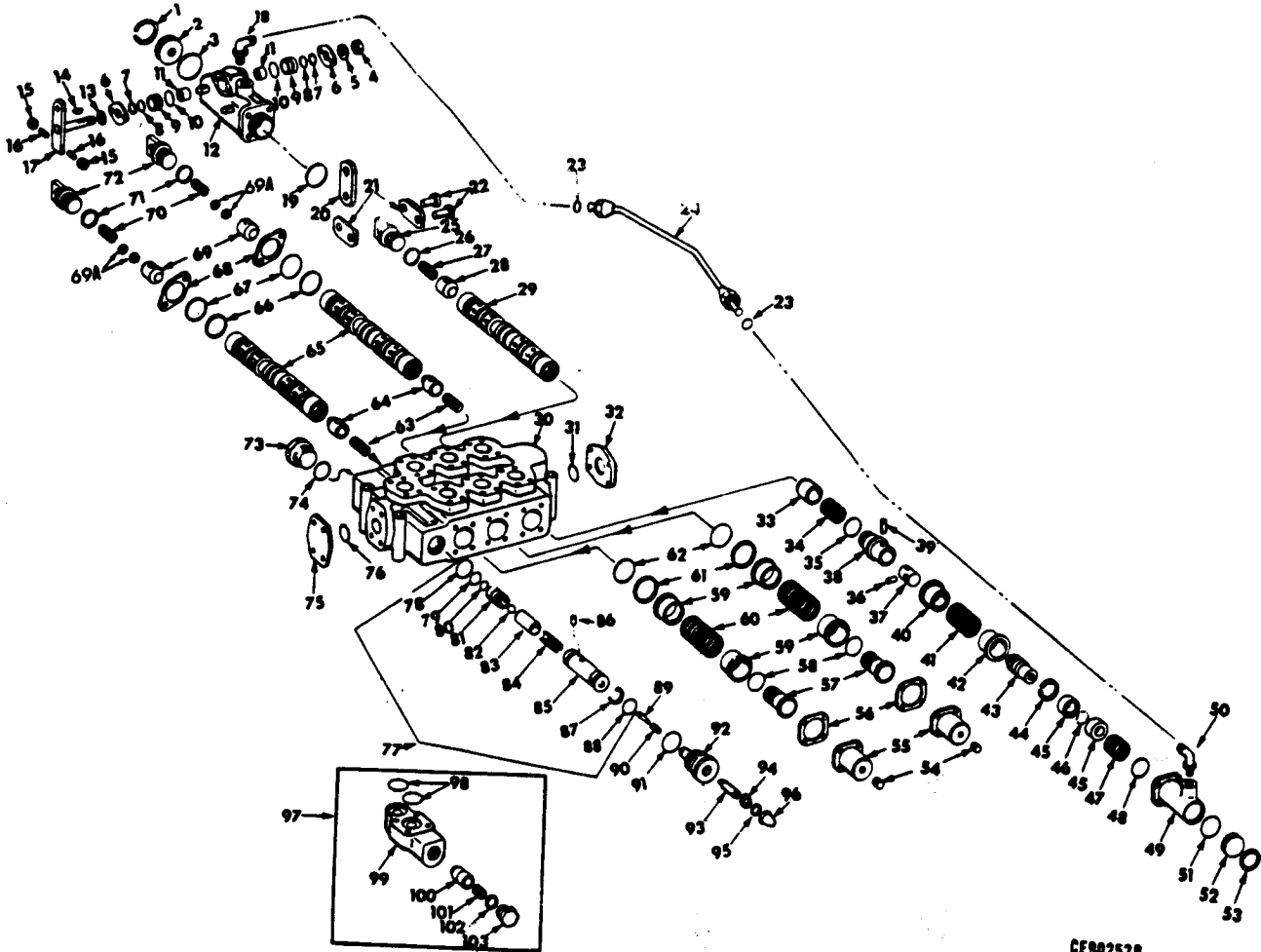
PL-116203

A	605 259 C91 24 858 R1	VALVE ASSY., quick drop (Order VALVE, 656 193 C91) (2) BOLT (6)	7	296 247 R1	RING, plug sealing (Not part of VALVE ASSY.) (2) 5522 and 5513 to 5515 and 5511 and below (1) 5512 and 5516 to 5521 and 5523 and up
B	656 193 C91 24 858 R1	VALVE ASSY., quick drop (2) 5522 and 5513 to 5515 and 5511 and below BOLT (6)	8	656 192 C1	STOP, spool (Valve B)
C	662 448 C91 24 858 R1	VALVE ASSY., quick drop 5512 and 5516 to 5521 and 5523 and up BOLT (3)	8	662 449 C1	STOP, spool (Valve C)
1	324 605 R1	PLUG	9	605 263 C2	SPRING, spool (Valve A)
2	296 247 R1	"O" RING	9	656 266 C2	SPRING, spool (Valve B and C)
3	300 761 R1	SPRING, check valve	10		SPOOL, valve (Not furnished separately)
4	616 514 C1	POPPET	11	22 272 R1	"O" RING
5		BODY, valve (Not furnished separately)	12	605 261 C1	SLEEVE, valve
6	9 410 363	PLUG (Not part of VALVE ASSY.) (2) 5522 and 5513 to 5515 and 5511 and below (1) 5512 and 5516 to 5521 and 5523 and up	13	343 920 R1	RING, sealing (Not Part of VALVE ASSY.) (2) 5522 and 5513 to 5515 and 5511 and below (1) 5512 and 5516 to 5521 and 5523 and up

MEMORANDA

HYDRAULICS

HYDRAULIC CONTROL UNIT THREE SPOOL HYDRAULIC CONTROL VALVE (Hydreco)



CE902520

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC CONTROL UNIT THREE SPOOL HYDRAULIC CONTROL VALVE - Continued (Hydreco)			12	619 308 C1 25 483 R1 103 319	HOUSING, actuator BOLT (4) WASHER, lock (4)
A	701 559 C91	VALVE ASSY, hydraulic (Order hydraulic VALVE ASSY, 625 962 C94)	13	118 779	WASHER, spacer
B	700 848 C91	VALVE ASSY, hydraulic (Order hydraulic VALVE ASSY, 625 962 C94)	14	124 549	KEY, Woodruff
C	702 466 C91	VALVE ASSY, hydraulic (Order hydraulic VALVE ASSY, 625 962 C94)	15	114 501	NUT, jam (2)
	360 610 C1	"O" RING (return to reservoir port) (Replaces 319 922 R1)	16	102 573	SCREW, adjusting (2)
	24 869 R1	SCREW, hex-hd cap (3)	17	702 853 C1	SHAFT, actuator
	116 121	WASHER, lock (3)	18	9 410 977	ELBOW
	279 133 R1	SHIM (x) (Consists of -	19	364 108 R1	RING, seal
1	562 025 R1	RING, actuator snap	20	619 312 C1	LEVER, actuator
2	619 315 C1	PLUG, actuator	21	619 314 C1	LINK, actuator (2)
3	379 457 R1	"O" RING, actuator	22	619 313 C1 103 373	PIN, actuator clevis (2) PIN, cotter (2)
4	102 637	NUT, hex	23	570 828 R1	"O" RING (2)
5	103 343	WASHER, plain	24	702 854 C1	TUBE, balancing
6	619 309 C1 25 480 R1 103 319	PLATE, actuator retainer (2) SCREW, hex-hd cap (4) WASHER, lock (4)	25	627 615 C1	EYE, spool
7	619 310 C1	RING, actuator back-up (Used w/RETAINER, 619 311 C1) (2)	26	350 818 R1	"O" RING
7	634 037 C1	RING, actuator back-up (Used w/RETAINER, 634 039 C91) (2)	27	321 715 R1	SPRING
8	350 429 R1	"O" RING, actuator shaft (Used w/RETAINER, 619 311 C1) (2)	28	627 616 C1	VALVE, load check
8	634 036 C1	SEAL, actuator shaft polypack (Used w/RETAINER, 634 039 C91) (2)	29		SPOOL (Not Furnished Separately)
9	619 311 C1	RETAINER, actuator (Used w/actuator shaft "O" RING, 350 429 R1) (2)	30		BODY, valve (Not Furnished Separately)
9	634 039 C91	RETAINER w/BEARING, actuator (Used w/actuator shaft polypack SEAL, 634 036 C1) (2)	31	255 088 R1	"O" RING, 1-7/8 x 2-1/8 x 1/8" (used w/COVER, 293 722 R1)
10	356 005 R1	"O" RING, retainer (Used w/RETAINER, 619 311 C1) (2)	31	290 987 R1	"O" RING, 1-3/4 x 2 x 1/8" (used w/KIT, 627 451 C91)
10	378 031 R1	"O" RING, retainer (Used w/RETAINER, 634 039 C91) (2)	32	627 451 C91	KIT, cover (will work for COVER, 293 722 R1) (Consists of - § 1 COVER 1 "O" RING 290 987 R1 4 SCREW 17 498 R1 4 WASHER 41 509 D 4 WASHER 1/2" lock)
11	614 799 C91	BEARING, needle (Used w/RETAINER, 619 311 C1) (2)		17 498 R1	SCREW, hex-hd cap (4)
11		BEARING, needle (Part of RETAINER, 634 039 C91) (2)		24 861 R1	SCREW, hex-hd cap (used w/COVER, 293 722 R1) (4)
				41 509 D	WASHER (4)
				103 323	WASHER, lock (4)
			33	627 616 C1	VALVE, load check
			34	321 715 R1	SPRING

§ - Not Furnished Separately.
(x) - As Required.

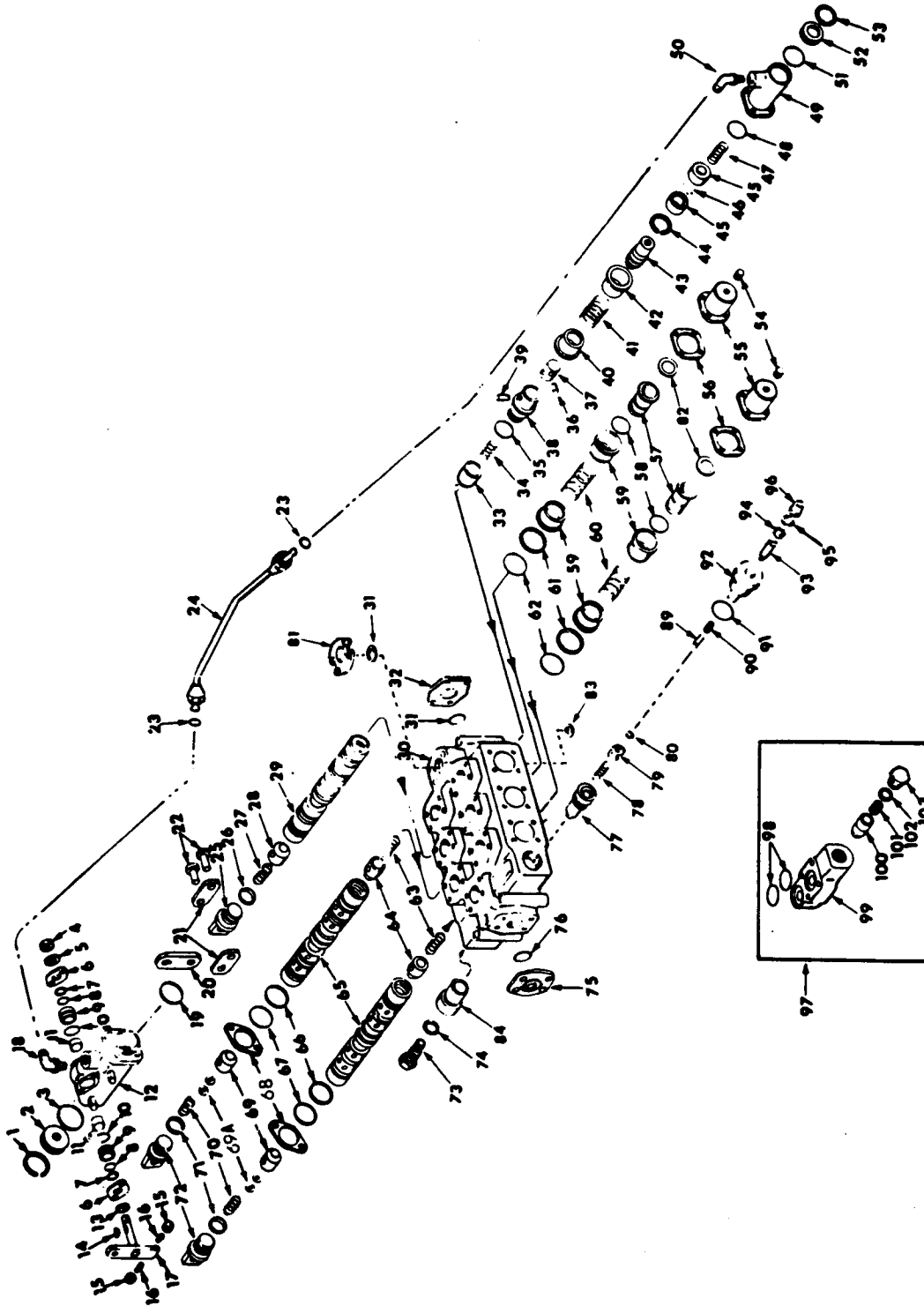
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC CONTROL UNIT			64	627 616 C1	VALVE, load check (2)
THREE SPOOL HYDRAULIC CONTROL VALVE -			65		SPOOL (Not Furnished Separately)
Continued			66	615 998 C91	SEAL (2)
(Hydreco)			67		WIPER (Order KIT, 926 781 C91) (2)
35	350 818 R1	"O" RING	68		RETAINER, wiper (Order KIT, 926 781 C91) (2)
36	17 132 R1	PIN, roll		25 222 R1	SCREW, hex-hd cap (4)
37	619 304 C1	PIN		103 319	WASHER, lock (4)
38		CAP (Not Furnished Separately)	69	627 616 C1	VALVE, load check (2)
39	576 485 R1	PIN, roll	69A	147 577	WASHER, plain (4)
40	619 301 C1	RETAINER, spring	70	321 715 R1	SPRING (Order SPRING, 634 893 C1 and two WASHERS, 147 577) (2)
41	619 302 C1	SPRING	70	634 893 C1	SPRING (2)
42	321 706 R1	RETAINER, spring	71	350 818 R1	"O" RING (2)
43	619 303 C1	CAP, detent	72	627 859 C1	EYE, plunger (2)
44	615 999 C1	RING, retainer	73	309 068 R1	CAP
45	610 776 C1	RETAINER, ball (2)	74	252 483 R1	"O" RING
46	17 008 R1	BALL (20)	75	619 614 C1	COVER, valve
47	619 305 C1	SPRING		70 427 R1	SCREW, hex-hd cap (4)
48	364 108 R1	RING, seal		103 322	WASHER, lock (4)
49	619 307 C1	HOUSING, detent		606 997 C1	PLUG
	25 483 R1	SCREW, hex-hd cap (4)	76	252 482 R1	"O" RING
	103 319	WASHER, lock (4)	77	610 683 C91	VALVE ASSY, relief
50	9 410 977	ELBOW, 90°	78		"O" RING (Not Furnished Separately)
51	379 457 R1	"O" RING	79		RING, retaining (Not Furnished Separately)
52	619 306 C1	PLUG	80		RING, sealing (Not Furnished Separately)
53	562 025 R1	RING, snap	81		PISTON (Not Furnished Separately)
54	619 316 C1	PLUG, bleeder (2)	82		BALL, check (Not Furnished Separately)
55	321 594 R1	COVER, spring (2)	83		PLUNGER (Not Furnished Separately)
	25 222 R1	SCREW, hex-hd cap (8)	84		SPRING, valve (Not Furnished Separately)
	103 319	WASHER, lock (8)	85		BODY, relief valve (Not Furnished Separately)
56	619 032 C1	PLATE, retaining (2)	86		PLUG, valve (Not Furnished Separately)
57	321 705 R1	CAP, spool (2)	87		WIRE, ring (Not Furnished Separately)
58	350 818 R1	"O" RING (2)	88		WIRE, ring (Not Furnished Separately)
59	321 706 R1	RETAINER, spring (4)	89	606 957 C1	POPPET, relief
60	619 317 C1	SPRING (2)			
61		RING, back up (Order KIT, 926 781 C91) (2)			
62		SEAL (Order KIT, 926 781 C91) (2)			
63	634 893 C1	SPRING (Replaces SPRING, 321 715 R1) (2)			

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC CONTROL UNIT THREE SPOOL HYDRAULIC CONTROL VALVE - Continued (Hydreco)					
90	606 956 C1	SPRING			
91	252 483 R1	"O" RING			
92	610 777 C1	CAP			
93	610 786 C1	SCREW, pilot relief valve			
94	103 028	NUT, NF			
95	171 480 H1	WASHER (2)			
96	171 479 H1	NUT, acorn			
97	702 646 C91	VALVE ASSY, anti-cavation (2)			
	21 318 R1	SCREW, hex-hd cap (8)			
	115 093	WASHER, lock (8)			
98	350 818 R1	"O" RING, valve mounting (4)			
99		HOUSING, valve (Not Furnished Separately) (2)			
100	619 048 C1	VALVE, check (2)			
101	619 047 C1	SPRING (2)			
102	619 044 C1	RING, seal (2)			
103	619 049 C1	CAP, end (2)			
	926 781 C91	KIT, spool seal (Consists of - § 2 RETAINER PLATE § 1 RING § 1 SHIM § 2 SEAL § 1 WIPER			

§ - Not Furnished Separately.

HYDRAULIC CONTROL UNIT
THREE SPOOL HYDRAULIC CONTROL VALVE
(Hydrec)



CE-98303B

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC CONTROL UNIT			12	619 308 C1	HOUSING, actuator
THREE SPOOL HYDRAULIC CONTROL VALVE -				25 483 R1	BOLT (4)
Continued				103 319	WASHER, lock (4)
(Hydreco)			13	131 016	WASHER, spacer
625 962 C94		VALVE ASSY, hydraulic (will work for hydraulic VALVE ASSYS, 701 559 C91, 700 848 C91 and 702 466 C91)	14	124 549	KEY, Woodruff
360 610 R1		"O" RING, (return to reservoir port) (Replaces 319 922 R1)	15	114 501	NUT, jam (2)
24 869 R1		SCREW, hex-hd cap (3)	16	102 573	SCREW, adjusting (2)
116 121		WASHER, lock (3)	17	702 853 C1	SHAFT, actuator
297 133 R1		SHIM (x)	18	9 410 977	ELBOW
25 536 R1		WASHER, hardened (x)	19		"O" RING (2" x 1-13/16" x 3/32") (Order KIT, 733 645 C91)
		Consists of -	20	619 312 C1	LEVER, actuator
1	562 025 R1	RING, actuator snap	21	619 314 C1	LINK, actuator (2)
2	619 315 C1	PLUG, actuator	22	619 313 C1	PIN, actuator clevis (2)
3		"O" RING (2-3/8" x 2-3/16" x 3/32") (Order KIT, 733 645 C91)	23	570 828 R1	"O" RING (2)
4	103 028	NUT, hex	24	627 495 C1	TUBE, balancing
5	103 343	WASHER, plain	25	627 615 C1	EYE, spool
6	619 309 C1	PLATE, actuator retainer (2)	26		"O" RING (1-1/4" x 1" x 1/8") (Order KIT, 733 645 C91)
	25 480 R1	SCREW, hex-hd cap (4)	27	321 715 R1	SPRING
	103 319	WASHER, lock (4)	28	627 616 C1	CHECK
7	619 310 C1	RING, actuator back-up (Used w/RETAINER, 619 311 C1) (2)	29		SPOOL (Not Furnished Separately)
7		RING, actuator back-up (Used w/RETAINER, 634 039 C91) (Order KIT, 733 645 C91) (2)	30		BODY, valve (Not Furnished Separately)
8	350 429 R1	"O" RING, actuator shaft (Used w/RETAINER, 619 311 C1) (2)	31	255 088 R1	"O" RING, 1-7/8 x 2-1/8 x 1/8" (used w/COVER, 293 722 R1)
8		SEAL, actuator shaft polypack (Used w/RETAINER, 634 039 C91) (Order KIT, 733 645 C91) (2)	31	290 987 R1	"O" RING, 1-3/4 x 2 x 1/8" (used w/KIT, 627 451 C91)
9	619 311 C1	RETAINER, actuator (Order RETAINER, 634 039 C91; KIT, 733 645 C91 and DRAWING, CZG-2920)	32	627 451 C91	KIT, cover (will work for COVER, 293 722 R1) (Consists of -
9	634 039 C91	RETAINER w/BEARING, actuator (Used w/actuator shaft polypack SEAL) (2)			§ 1 COVER
10		"O" RING (1-3/8" x 1-1/8" x 1/8") (Used w/RETAINER, 619 311 C1) (Order KIT, 733 645 C91) (2)			1 "O" RING 290 987 R1
10		"O" RING (1-3/8" x 1-3/16" x 3/32") (Used w/RETAINER, 634 039 C91) (Order KIT, 733 645 C91) (2)			4 SCREW 17 498 R1
					4 WASHER 41 509 D
					4 WASHER 1/2" lock)
			17 498 R1		SCREW, hex-hd cap (4)
			24 861 R1		SCREW, hex-hd cap (used w/COVER, 293 722 R1) (4)
			41 509 D		WASHER (4)
			103 323		WASHER, lock (4)
11	614 799 C91	BEARING, needle (Used w/RETAINER, 619 311 C1) (2)	33	627 616 C1	CHECK
11		BEARING, needle (Part of RETAINER, 634 039 C91) (2)			§ - Not Furnished Separately.
					(x) - As Required.

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC CONTROL UNIT THREE SPOOL HYDRAULIC CONTROL VALVE - Continued (Hydreco)			62		SEAL (Order KIT, 926 781 C91) (2)
34	321 715 R1	SPRING	63	634 893 C1	SPRING (Replaces SPRING, 321 715 R1) (2)
35		"O" RING (1-1/4" x 1" x 1/8") (Order KIT, 733 645 C91)	64	627 616 C1	CHECK (2)
36	17 132 R1	PIN, roll	65		SPOOL (Not Furnished Separately)
37	619 304 C1	PIN	66	615 998 C91	SEAL (2)
38		CAP (Not Furnished Separately)	67		WIPER (Order KIT, 926 781 C91) (2)
39	576 485 R1	PIN, roll	68		RETAINER, wiper (Order KIT, 926 781 C91) (2)
40	619 301 C1	RETAINER, spring		25 222 R1 103 319	SCREW, hex-hd cap (4) WASHER, lock (4)
41	619 302 C1	SPRING	69	627 616 C1	CHECK (2)
42	321 706 R1	RETAINER, spring	69A	147 577	WASHER, plain (4)
43	619 303 C1	CAP, detent	70	321 715 R1	SPRING (Order SPRING, 634 893 C1 and two WASHERS, 147 577) (2)
44	615 999 C1	RING, retainer	70	634 893 C1	SPRING (2)
45	610 776 C1	RETAINER, ball (2)	71	350 818 R1	"O" RING (2)
46	17 008 R1	BALL (20)	72	627 614 C1	EYE, plunger (2)
47	619 305 C1	SPRING	73	627 497 C1	CAP
48		"O" RING (2" x 1-13/16" x 3/32") (Order KIT, 733 645 C91)	74		"O" RING (1-3/8" x 1-1/8" x 1/8") (Order KIT, 733 644 C91)
49	619 307 C1 25 483 R1 103 319	COVER, detent SCREW, hex-hd cap (4) WASHER, lock (4)	75	637 446 C1	COVER, flange (Replaces COVER, 627 611 C1)
50	9 410 977	ELBOW		70 427 R1 166 363 H1 103 322 606 997 C1	SCREW, hex-hd cap (4) WASHER, flat (4) WASHER, lock (4) PLUG
51		"O" RING (2-3/8" x 2-3/16" x 3/32") (Order KIT, 733 645 C91)	76	707 253 R1	"O" RING
52	619 315 C1	PLUG	77	627 609 C1	POPPET, relief
53	562 025 R1	RING, snap	78	619 300 C1	SPRING
54	619 316 C1	PLUG, bleeder (2)	79	627 608 C1	SEAT, pilot
55	321 594 R1 25 222 R1 103 319	COVER, spring (2) SCREW, hex-hd cap (12) WASHER, lock (8)	80		"O" RING (1-3/16" x 15/16" x 1/8") (Order KIT, 733 644 C91)
56	619 032 C1	PLATE, retaining (2)	81	627 613 C1 24 861 R1 103 323 41 509 D	COVER SCREW, hex-hd cap (4) WASHER, lock (4) WASHER, flat (4)
57	321 705 R1	CAP (2)	82	627 499 C1	RING, back-up (2)
58	350 818 R1	"O" RING (2)	83	360 610 R1	"O" RING
59	321 706 R1	RETAINER, spring (4)	84	627 610 C1	SEAT, relief main
60	619 317 C1	SPRING (2)			
61		RING, back-up (Order KIT, 926 781 C91) (2)			

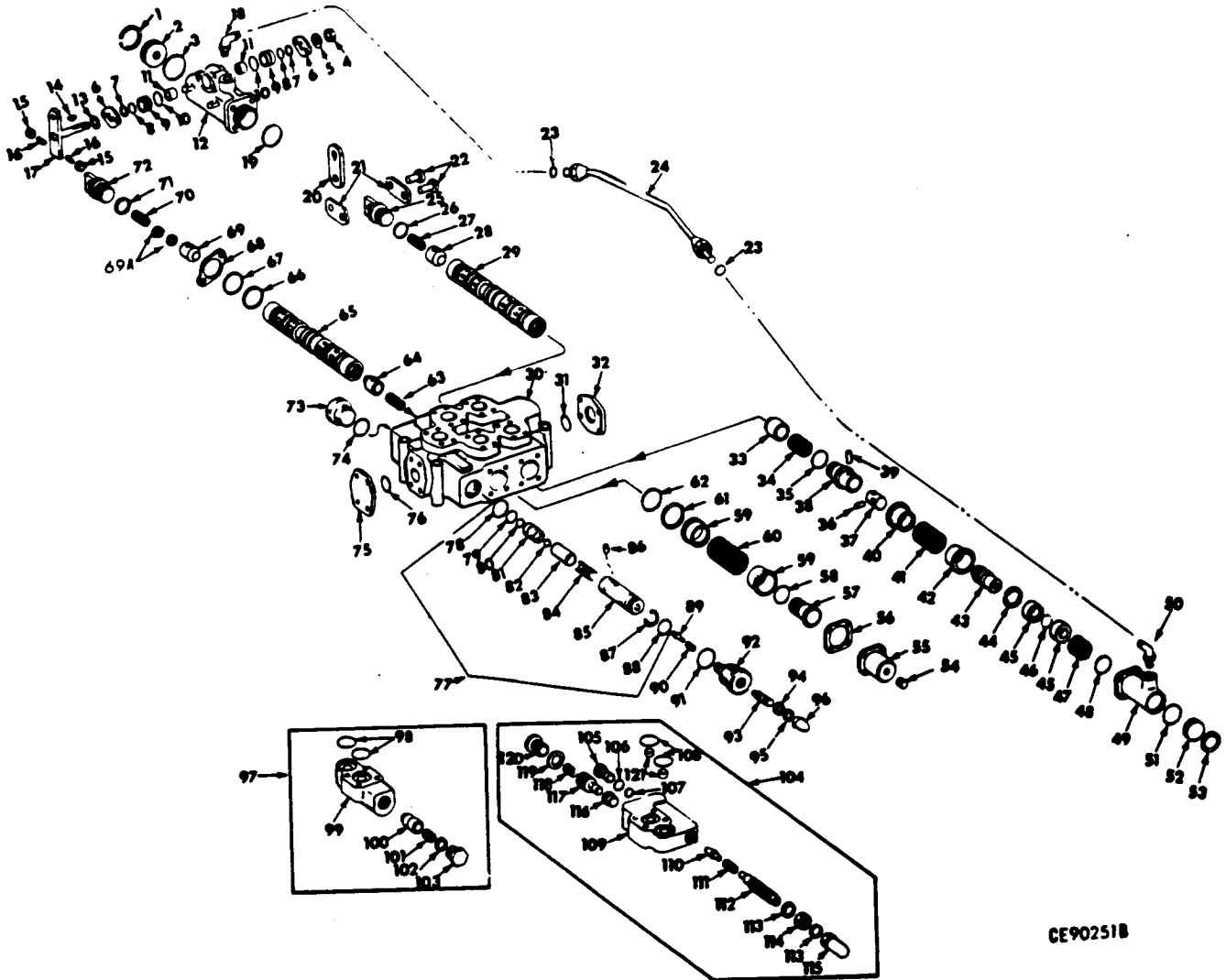
HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC CONTROL UNIT THREE SPOOL HYDRAULIC CONTROL VALVE - Continued (Hydreco)			CZG-2920		DRAWING, retainer installation
89	606 957 C1	POPPET, relief			
90	171 482 H1	SPRING			
91		"O" RING (1-3/8" x 1-1/8" x 1/8") (Order KIT, 733 644 C91)			
92	627 498 C1	CAP			
93	171 477 H1	SCREW, pilot relief valve			
94	103 028	NUT, NF			
95		WASHER (Order KIT, 733 644 C91) (2)			
96	882 095 C1	NUT, acorn			
97	702 646 C91 21 318 R1 115 093	VALVE ASSY, anti-cavation (2) SCREW, hex-hd cap (8) WASHER, lock (8)			
98	350 818 R1	"O" RING, valve mounting (4)			
99		HOUSING, valve (Not Furnished Separately) (2)			
100	619 048 C1	VALVE, check (2)			
101	619 047 C1	SPRING (2)			
102	619 044 C1	RING, seal (2)			
103	619 049 C1	CAP, end (2)			
	926 781 C91	KIT, spool seal (Consists of - § 2 RETAINER PLATE § 1 RING § 1 SHIM § 2 SEAL § 1 WIPER			
	733 645 C91	KIT, spool w/rotary actuator seal (Consists of - § 2 "O" RING (1-1/4" x 1" x 1/8") * § 2 "O" RING (1-3/8" x 1-1/8" x 1/8") * § 2 "O" RING (1-3/8" x 1-3/16" x 3/32") § 2 "O" RING (2" x 1-13/16" x 3/32") § 2 "O" RING (2-3/8" x 2-3/16" x 3/32") * § 2 RING, back-up * § 2 SEAL, actuator shaft polypack)			
	733 644 C91	KIT, relief valve seal (Consists of - § 1 "O" RING (1-3/16" x 15/16" x 1/8") § 2 "O" RING (1-3/8" x 1-1/8" x 1/8") § 2 WASHER)			

§ - Not Furnished Separately.
 * - Not Used w/RETAINER, 619 311 C1
 * - Not Used w/RETAINER, 634 039 C91

HYDRAULICS

HYDRAULIC CONTROL UNIT TWO SPOOL HYDRAULIC CONTROL VALVE (Hydrex)



CE90251B

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC CONTROL UNIT			1	562 025 R1	RING, actuator snap
TWO SPOOL HYDRAULIC CONTROL VALVE -			2	619 315 C1	PLUG, actuator
Continued			3	379 457 R1	"O" RING, actuator
(Hydreco)			4	102 637	NUT, hex
A	702 489 C91	VALVE ASSY w/one anti-cavitation VALVE, 702 646 C91, hydraulic (for D-2 or G-2 with blade, also; for D-2 and G-2 with blade and tilt) (order hydraulic VALVE ASSY, 625 961 C94)	5	103 343	WASHER, plain
B	702 490 C91	VALVE ASSY w/two anti-cavitation VALVE, 702 646 C91, hydraulic (for D-2 and G-2 with blade and rear mounted equipment) (order hydraulic VALVE ASSY, 625 961 C94, anti-cavitation VALVE 702 646 C91 and two 3/8 x 2-1/2" hex-hd cap SCREW)	6	619 309 C1 25 480 R1 103 319	PLATE, actuator retainer (2) SCREW, hex-hd cap (4) WASHER, lock (4)
C	702 511 C91	VALVE ASSY w/two anti-cavitation VALVE, 702 646 C91, hydraulic (for cushion dozer blade and ripper) (order VALVE ASSY, 625 960 C92)	7	619 310 C1	RING, actuator back-up (Used w/RETAINER, 619 311 C1) (2)
D	700 847 C91	VALVE ASSY w/one anti-cavitation VALVE, 702 646 C91, hydraulic (for D-2 or G-2 with blade, also; for D-2 and G-2 with blade and tilt) (order hydraulic VALVE ASSY, 625 961 C94)	7	634 037 C1	RING, actuator back-up (Used w/RETAINER, 634 039 C91) (2)
E	700 875 C91	VALVE ASSY w/one anti-cavitation VALVE, 702 646 C91, two anti-cavitation VALVES are required and second anti-cavitation VALVE, 702 646 C91 must be ordered separately, hydraulic (for D-2 and G-2 with blade and rear mounted equipment) (order hydraulic VALVE ASSY, 625 961 C94, anti-cavitation VALVE, 702 646 C91 and two 3/8 x 2-1/2" hex-hd cap SCREW)	8	350 429 R1	"O" RING, actuator shaft (Used w/RETAINER, 619 311 C1) (2)
F	702 465 C92	VALVE ASSY w/one anti-cavitation VALVE, 702 646 C91, hydraulic (for D-2 and G-2 with blade or D-2 and G-2 with blade and tilt) (order VALVE, 625 961 C92) (for D-2 and G-2 with blade and rear mounted equipment second anti-cavitation VALVE, 702 646 C91 is required and must be ordered separately) (order hydraulic VALVE ASSY, 625 961 C94, anti-cavitation VALVE, 702 646 C91 and two 3/8 x 2-1/2" hex-hd cap SCREW)	8	634 036 C1	SEAL, actuator shaft polypack (Used w/RETAINER, 634 039 C91) (2)
	360 610 R1	"O" RING (Replaces 319 922 R1) (return to reservoir port)	9	619 311 C1	RETAINER, actuator (Used w/actuator shaft "O" RING, 350 429 R1) (2)
	24 869 R1	SCREW, hex-hd cap (3)	9	634 039 C91	RETAINER w/BEARING, actuator (Used w/actuator shaft polypack SEAL, 634 036 C1) (2)
	116 121	WASHER, lock (3)	10	356 005 R1	"O" RING, retainer (Used w/RETAINER, 619 311 C1) (2)
	297 133 R1	SHIM (x)	10	378 031 R1	"O" RING, retainer (Used w/RETAINER, 634 039 C91) (2)
	25 536 R1	WASHER, hardened (x)	11	614 799 C91	BEARING, needle (Used w/RETAINER, 619 311 C1) (2)
		Consists of -	11		BEARING, needle (Part of RETAINER, 634 039 C91) (2)
			12	619 308 C1 25 483 R1 103 319	HOUSING, actuator BOLT (4) WASHER, lock (4)
			13	131 016	WASHER, spacer
			14	124 549	KEY, Woodruff
			15	114 501	NUT, jam (2)
			16	102 573	SCREW, adjusting (2)
			17	702 853 C1	SHAFT, actuator
			18	9 410 977	ELBOW
			19	364 108 R1	RING, seal
			20	619 312 C1	LEVER, actuator

(x) - As Required.

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC CONTROL UNIT			44	615 999 C1	RING, retainer
TWO SPOOL HYDRAULIC CONTROL VALVE -			45	610 776 C1	RETAINER, ball (2)
Continued			46	17 008 R1	BALL (20)
(Hydreco)			47	619 305 C1	SPRING
21	619 314 C1	LINK, actuator (2)	48	364 108 R1	RING, seal
22	619 313 C1	PIN, actuator clevis (2)	49	619 307 C1	HOUSING, detent
	103 373	PIN, cotter (2)		25 483 R1	SCREW, hex-hd cap (4)
23	570 828 R1	"O" RING (2)		103 319	WASHER, lock (4)
24	702 854 C1	TUBE, balancing	50	9 410 977	ELBOW
25	627 615 C1	EYE, spool	51	379 457 R1	"O" RING
26	350 818 R1	"O" RING	52	619 306 C1	PLUG
27	321 715 R1	SPRING	53	562 025 R1	RING, snap
28	627 616 C1	VALVE, load check	54	619 316 C1	PLUG, bleeder
29		SPOOL (Not Furnished Separately)	55	321 594 R1	COVER, spring
30		BODY, valve (Not Furnished Separately)		25 222 R1	SCREW, hex-hd cap (4)
				103 319	WASHER, lock (4)
31	255 088 R1	"O" RING, 1-7/8 x 2-1/8 x 1/8" (used w/COVER, 293 722 R1)	56	619 032 C1	PLATE, retaining
31	290 987 R1	"O" RING, 1-3/4 x 2 x 1/8" (used w/KIT, 627 451 C91)	57	321 705 R1	CAP, spool
32	627 451 C91	KIT, cover (will work for COVER, 293 722 R1) (Consists of - § 1 COVER 1 "O" RING 290 987 R1 4 SCREW 17 498 R1 4 WASHER 41 509 D 4 WASHER 1/2" lock) 17 498 R1 SCREW, hex-hd cap (4) 24 861 R1 SCREW, hex-hd cap (used w/COVER, 293 722 R1) (4) 41 509 D WASHER (4) 103 323 WASHER, lock (4)	58	350 818 R1	"O" RING
			59	321 706 R1	RETAINER, spring (2)
			60	619 317 C1	SPRING
			61		RING, back-up (Order KIT, 926 781 C91)
			62		SEAL (Order KIT, 926 781 C91)
			63	634 893 C1	SPRING (Replaces SPRING, 321 715 R1)
33	627 616 C1	VALVE, load check	64	627 616 C1	VALVE, load check
34	321 715 R1	SPRING	65		SPOOL (Not Furnished Separately)
35	350 818 R1	"O" RING	66	615 998 C91	SEAL
36	17 132 R1	PIN, roll	67		WIPER (Order KIT, 926 781 C91)
37	619 304 C1	PIN	68		RETAINER, wiper (Order KIT, 926 781 C91)
38		CAP (Not Furnished Separately)		25 222 R1	SCREW, hex-hd cap (2)
				103 319	WASHER, lock (2)
39	576 485 R1	PIN, roll	69	627 616 C1	VALVE, load check
40	619 301 C1	RETAINER, spring	69A	147 577	WASHER, plain (2)
41	619 302 C1	SPRING	70	321 715 R1	SPRING (Order SPRING, 634 893 C1 and two WASHERS, 147 577)
42	321 706 R1	RETAINER, spring	70	634 893 C1	SPRING
43	619 303 C1	CAP, detent			

§ - Not Furnished Separately.

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC CONTROL UNIT			96	171 479 H1	NUT, acorn
TWO SPOOL HYDRAULIC CONTROL VALVE -			97	702 646 C91	VALVE ASSY, anti-cavitation (2 for VALVES B and C) (1 for VALVES A, D, E and F) (VALVE E and VALVE F for D-2 and G-2 with blade and rear mounted equipment a second anti-cavitation VALVE, 702 646 C91 is required and must be ordered separately)
Continued					
(Hydreco)					
71	350 818 R1	"O" RING			
72	627 859 C1	EYE, plunger			
73	309 068 R1	CAP			
74	252 483 R1	"O" RING		21 318 R1	SCREW, hex-hd cap (4 for VALVE A, D, E, and F, 8 for VALVE B and C)
75	619 614 C1	COVER, valve		115 093	WASHER, lock (4 for VALVE A, D, E and F, 8 for VALVE B and C)
	70 427 R1	SCREW, hex-hd cap (4)			
	103 322	WASHER, lock (4)			
	606 997 C1	PLUG			
76	252 482 R1	"O" RING	98	350 818 R1	"O" RING, valve mounting (Part of anti-cavitation VALVE, 702 646 C91)
77	610 683 C91	VALVE ASSY, relief	99		HOUSING, valve (Not Furnished Separately)
78		"O" RING (Not Furnished Separately)	100	619 048 C1	VALVE, check (Part of anti-cavitation VALVE, 702 646 C91)
79		RING, retaining (Not Furnished Separately)	101	619 047 C1	SPRING (Part of anti-cavitation VALVE, 702 646 C91)
80		RING, sealing (Not Furnished Separately)	102	619 044 C1	RING, seal (Part of anti-cavitation VALVE, 702 646 C91)
81		PISTON (Not Furnished Separately)	103	619 049 C1	CAP, end (Part of anti-cavitation VALVE, 702 646 C91)
82		BALL, check (Not Furnished Separately)	104	702 855 C91	VALVE ASSY, overload (For VALVE C)
83		PLUNGER (Not Furnished Separately)	105	619 318 C1	CHECK, ball seat (For VALVE C)
84		SPRING, valve (Not Furnished Separately)	106	611 120 R1	"O" RING, overload valve (For VALVE C)
85		BODY, relief valve (Not Furnished Separately)	107	234 436 R1	"O" RING, overload valve (For VALVE C)
86		PLUG, valve (Not Furnished Separately)	108	350 818 R1	"O" RING, overload valve (2 for VALVE C)
87		WIRE, ring (Not Furnished Separately)	109		BODY, valve (Not Furnished Separately) (For VALVE C)
88		WIRE, ring (Not Furnished Separately)	110	606 957 C1	POPPET, overload valve (For VALVE C)
89	606 957 C1	POPPET, relief	111	606 956 C1	SPRING, overload valve (For VALVE C)
90	606 956 C1	SPRING	112	619 323 C1	SCREW, overload valve adjusting (For VALVE C)
91	252 483 R1	"O" RING	113	171 480 H1	WASHER (2 for VALVE C)
92	610 777 C1	CAP	114	103 028	NUT, NF (For VALVE C)
93	610 786 C1	SCREW, pilot relief valve	115	171 479 H1	NUT, acorn (For VALVE C)
94	103 028	NUT, NF			
95	171 480 H1	WASHER (2)			

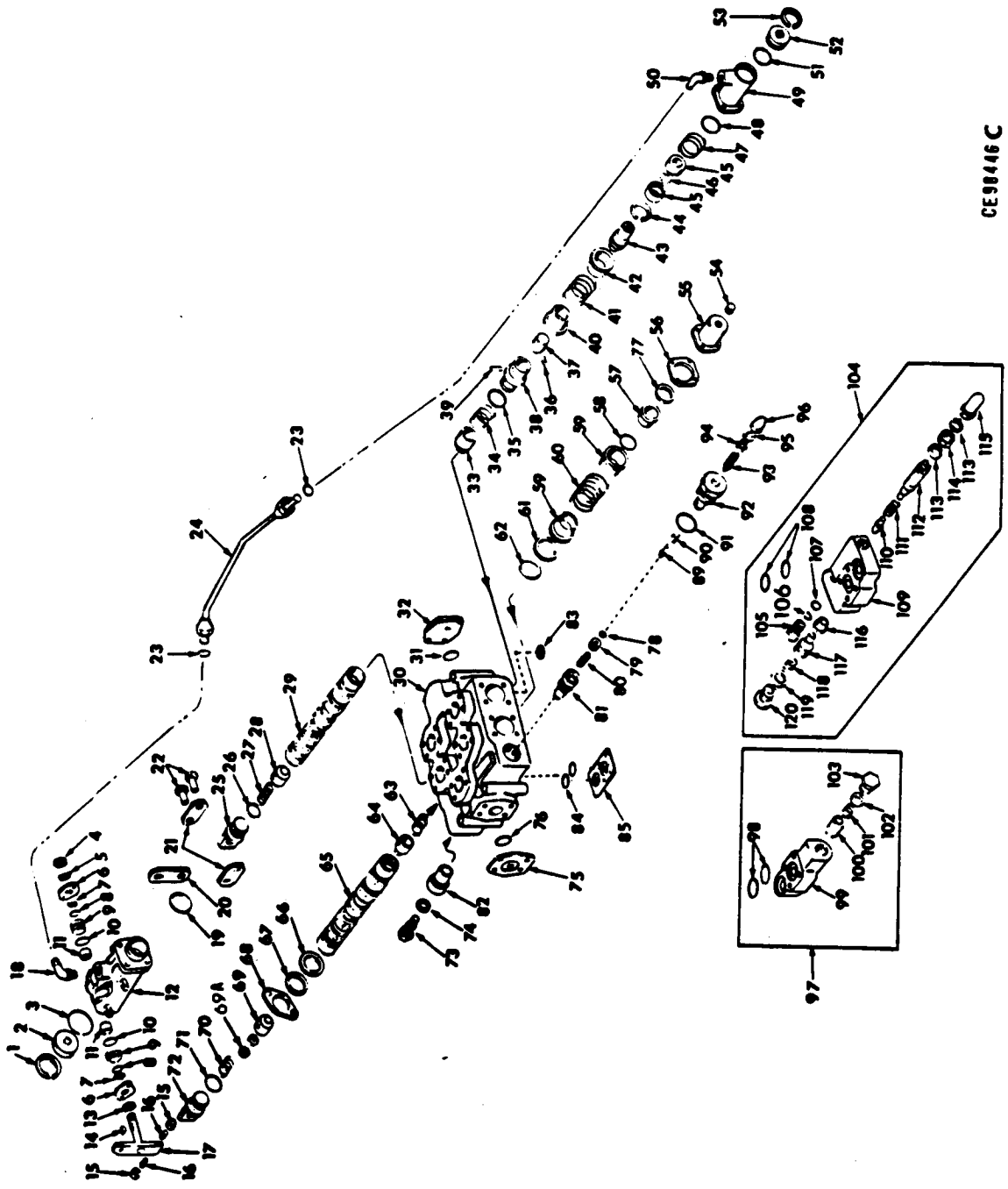
HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC CONTROL UNIT					
TWO SPOOL HYDRAULIC CONTROL VALVE -					
Continued (Hydreco)					
116	619 319 C1	SEAT (For VALVE C)			
117	619 320 C1	VALVE, check (For VALVE C)			
118	619 300 C1	SPRING (For VALVE C)			
119	25 018 R1	RING, seal (Replaces, 619 044 C1) (For VALVE C)			
120	619 321 C1	CAP (For VALVE C)			
121	619 322 C1	SLEEVE (2 for VALVE C)			
926 781 C91		KIT; spool seal (Consists of - § 2 RETAINER § 1 RING § 1 SHIM § 2 SEAL § 1 WIPER			

§ - Not Furnished Separately.

MEMORANDA

HYDRAULIC CONTROL UNIT, TWO-SPOOL HYDRAULIC CONTROL VALVE
(Hydrec)



CE98446C

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC CONTROL UNIT, TWO-SPOOL HYDRAULIC CONTROL VALVE - Continued (Hydreco)			9	634 039 C91	RETAINER w/BEARING, actuator (Used w/actuator shaft polypack SEAL) (2)
A	625 961 C94	VALVE ASSY, w/one anti-cavitation VALVE, 702 646 C91, hydraulic (For D-2 or G-2 with blade; also, for D-2 and G-2 with blade and tilt) (For D-2 and G-2 with blade and rear-mounted equipment, second anti-cavitation VALVE, 702 646 C91, is also required and must be ordered separately) (Will work for Hydraulic VALVE, 700 847 C91; 702 489 C91; and for 702 465 C92 w/D-2 or G-2 w/blade or blade with tilt) (With anti-cavitation VALVE, 702 646 C91, and two 3/8 x 2-1/2" hex-hd cap SCREW, will work for 702 490 C91, 700 875 C91, and for 702 465 C92 w/blade and rear-mounted equipment)	10		"O" RING (1-3/8" x 1-1/8" x 1/8") (Used w/RETAINER, 619 311 C1) (Order KIT, 733 645 C91) (2)
			10		"O" RING (1-3/8" x 1-3/16" x 3/32") (Used w/RETAINER, 634 039 C91) (Order KIT, 733 645 C91) (2)
			11	614 799 C91	BEARING, needle (Used w/RETAINER, 619 311 C1) (2)
			11		BEARING, needle (Part of RETAINER, 634 039 C91) (2)
			12	619 308 C1 25 483 R1 103 319	HOUSING, actuator BOLT (4) WASHER, lock (4)
B	625 960 C94	VALVE ASSY, hydraulic (For Cushion Dozer w/blade and ripper) (Will work for Hydraulic VALVE ASSY, 702 511 C91)	13	131 016	WASHER, spacer
			14	124 549	KEY, Woodruff
			15	114 501	NUT, jam (2)
	360 610 R1	"O" RING (Return to reservoir port) (Replaces 319 922 R1)	16	102 573	SCREW, adjusting (2)
	24 869 R1	SCREW, hex-hd cap (3)	17	702 853 C1	SHAFT, actuator
	116 121	WASHER, lock (3)	18	9 410 977	ELBOW
	297 133 R1	SHIM (X)	19		"O" RING (2" x 1-13/16" x 3/32") (Order KIT, 733 645 C91)
	25 536 R1	WASHER, hardened (X) (Consists of the following parts -			
1	562 025 R1	RING, actuator snap	20	619 312 C1	LEVER, actuator
2	619 315 C1	PLUG, actuator	21	619 314 C1	LINK, actuator (2)
3		"O" RING (2-3/8" x 2-3/16 x 3/32") (Order KIT, 733 645 C91)	22	619 313 C1 103 373	PIN, actuator clevis (2) PIN, cotter (2)
4	102 637	NUT, hex	23	570 828 R1	"O" RING (2)
5	103 343	WASHER, plain	24	702 854 C1	TUBE, balancing
6	619 309 C1 25 480 R1 103 319	PLATE, actuator retainer (2) SCREW, hex-hd cap (4) WASHER, lock (4)	25	627 615 C1	EYE, plunger
7	619 310 C1	RING, actuator back-up (Used w/RETAINER, 619 311 C1) (2)	26		"O" RING (1-1/4" x 1" x 1/8") (Order KIT, 733 645 C91)
7		RING, actuator back-up (Used w/RETAINER, 634 039 C91) (Order KIT, 733 645 C91) (2)	27	321 715 R1	SPRING
			28	627 616 C1	CHECK
8	350 429 R1	"O" RING, actuator shaft (Used w/RETAINER, 619 311 C1) (2)	29		SPOOL (Not furnished separately)
			30		BODY, valve (Not furnished separately)
8		SEAL, actuator shaft polypack (Used w/RETAINER, 634 039 C91) (Order KIT, 733 645 C91) (2)	31	255 088 R1	"O" RING, 1-7/8 x 2-1/8 x 1/8" (Used w/COVER, 293 722 R1)
9	619 311 C1	RETAINER, actuator (Order RETAINER, 634 039 C1; KIT, 733 645 C91 and DRAWING, CZG-2920)			s - Not Furnished Separately. (X) - As Required.

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC CONTROL UNIT, TWO-SPOOL HYDRAULIC CONTROL VALVE - Continued (Hydreco)			54	619 316 C1	PLUG, bleeder
31	290 987 R1	"O" RING, 1-3/4 x 2 x 1/8" (Used w/ KIT, 627 451 C91)	55	321 594 R1 25 222 R1 103 319	COVER, spring SCREW, hex-hd cap (4) WASHER, lock (4)
32	627 451 C91	KIT, cover (Will work for COVER, 293 722 R1) (Consists of - 1 COVER 1 "O" RING 290 987 R1 4 SCREW 17 498 R1 4 WASHER 41 509 D 4 WASHER 1/2" lock) 17 498 R1 SCREW, hex-hd cap (Used w/ COVER, 293 722 R1) (4) 41 509 D WASHER (4) 103 323 WASHER, lock (4)	56	619 032 C1	PLATE, retaining
33	627 616 C1	CHECK	57	321 705 R1	CAP, spool
34	321 715 R1	SPRING	58	350 818 R1	"O" RING
35		"O" RING (1-1/4" x 1" x 1/8") (Order KIT, 733 645 C91)	59	321 706 R1	RETAINER, spring (2)
36	17 132 R1	PIN, roll	60	619 317 C1	SPRING
37	619 304 C1	PIN	61		RING, back-up (Order KIT, 926 781 C91)
38		CAP (Not furnished separately)	62		SEAL (Order KIT, 926 781 C91)
39	576 485 R1	PIN, roll	53	634 893 C1	SPRING (Replaces SPRING, 321 715 R1)
40	619 301 C1	RETAINER, spring	64	627 616 C1	CHECK
41	619 302 C1	SPRING	65		SPOOL (Not furnished separately)
42	321 706 R1	RETAINER, spring	66	615 998 C91	SEAL
43	619 303 C1	CAP, detent	67		WIPER (Order KIT, 926 781 C91)
44	615 999 C1	RING, retainer	68		RETAINER, wiper (Order KIT, 926 781 C91)
45	610 776 C1	RETAINER, ball (2)		25 222 R1 103 319	SCREW, hex-hd cap (2) WASHER, lock (2)
46	17 008 R1	BALL (20)	69	627 616 C1	CHECK
47	619 305 C1	SPRING	69A	147 577	WASHER, plain (2)
48		"O" RING (2" x 1-13/16" x 3/32") (Order KIT, 733 645 C91)	70	321 715 R1	SPRING (Order SPRING, 634 893 C1 and two WASHERS, 147 577)
49	619 307 C1 25 483 R1 103 319	COVER, detent SCREW, hex-hd cap (4) WASHER, lock (4)	70	634 893 C1	SPRING
50	9 410 977	ELBOW	71	350 818 R1	"O" RING
51		"O" RING (2-3/8" x 2-3/16" x 3/32") (Order KIT, 733 645 C91)	72	627 614 C1	EYE, plunger
52	619 315 C1	PLUG	73	627 497 C1	CAP
53	562 025 R1	RING, snap	74		"O" RING (1-3/8" x 1-1/8" x 1/8") (Order KIT, 733 644 C91)
			75	637 446 C1 70 427 R1 103 322 166 363 H1 606 997 C1	COVER, valve (Replaces COVER, 627 611 C1) SCREW, hex-hd cap (4) WASHER, lock (4) WASHER, flat (4) PLUG
			76	707 253 R1	"O" RING
			77	627 499 C1	RING, back-up
			78		"O" RING (1-3/16" x 15/16" x 1/8") (Order KIT, 733 644 C91)

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC CONTROL UNIT, TWO-SPOOL HYDRAULIC CONTROL VALVE - Continued (Hydrec)			106	370 920 R1	"O" RING, check seat (Part of VALVE, 627 617 C91) (Valve B)
79	627 608 C1	SEAT, pilot	106	252 739 R1	"O" RING, check seat (Part of VALVE, 637 447 C91) (Valve B)
80	619 300 C1	SPRING	107	375 271 R1	"O" RING, overload valve (Valve B)
81	627 609 C1	POPPET, relief	108	350 818 R1	"O" RING, overload valve (2 for Valve B)
82	627 610 C1	SEAT, relief main	109		BODY, valve (Not furnished separately) (Valve B)
83	360 610 R1	"O" RING	110	606 957 C1	POPPET, overload valve (Valve B)
84	350 818 R1	"O" RING (Valve A) (2)	111	171 482 H1	SPRING (Part of VALVE, 627 617 C91) (Valve B)
85	619 983 C1	COVER (Valve A)	111	637 449 C1	SPRING (Part of VALVE, 637 447 C91) (Valve B)
89	606 957 C1	POPPET, relief	112	619 323 C1	SCREW, spring adjusting (Part of VALVE, 627 617 C91) (Valve B)
90	171 482 H1	SPRING	112	637 448 C1	SCREW, spring adjusting (Part of VALVE, 637 447 C91) (Valve B)
91		"O" RING (1-3/8" x 1-1/8" x 1/8") (Order KIT. 733 644 C91)	113	171 480 H1	WASHER (2 for Valve B)
92	627 498 C1	CAP	114	103 028	NUT, NF (Valve B)
93	171 477 H1	SCREW, pilot relief valve	115	171 479 H1	NUT, acorn (Valve B)
94	103 028	NUT, NF	116	619 319 C1	SEAT (Valve B)
95		WASHER (Order KIT, 733 644 C91) (2)	117	627 609 C1	VALVE, check (Valve B)
96	882 095 C1	NUT, acorn	118	619 300 C1	SPRING (Valve B)
97	702 646 C91	VALVE ASSY, anti-cavitation (1 for Valve A, 2 for Valve B)	119	25 018 R1	RING, seal (Replaces, 619 044 C1) (Valve B)
	21 318 R1	SCREW, hex-hd cap (4 for Valve A, 8 for Valve B)	120	619 049 C1	CAP (Valve B)
	115 093	WASHER, lock (4 for Valve A, 8 for Valve B)	926 781 C91		KIT, spool seal (Consists of - § 2 RETAINER § 1 RING § 1 SHIM § 2 SEAL § 1 WIPER
98	350 818 R1	"O" RING, valve mounting (2 for Valve A, 4 for Valve B)		733 645 C91	KIT, spool with rotary actuator seal (Consists of - § 2 "O" RING (1-1/4" x 1" x 1/8") * § 2 "O" RING (1-3/8" x 1-1/8" x 1/8") * § 2 "O" RING (1-3/8" x 1-3/16" x 3/32") § 2 "O" RING (2" x 1-13/16" x 3/32") § 2 "O" RING (2-3/8" x 2-3/16" x 3/32") * § 2 RING, back-up * § 2 SEAL, actuator shaft polypack
99		HOUSING, valve (Not Furnished Separately) (1 for Valve A, 2 for Valve B)			§ - Not Furnished Separately.
100	619 048 C1	VALVE, check (1 for Valve A, 2 for Valve B)			
101	619 047 C1	SPRING (1 for Valve A, 2 for Valve B)			
102	619 044 C1	RING, seal (1 for Valve A, 2 for Valve B)			
103	619 049 C1	CAP, end (1 for Valve A, 2 for Valve B)			
104	627 617 C91	VALVE ASSY, overload (Order VALVE, 637 447 C91) (Valve B)			
104	637 447 C91	VALVE ASSY, overload (Valve B)			
105	619 318 C1	SEAT, check (Part of VALVE, 627 617 C91) (Valve B)			
105	637 450 C1	SEAT, check (Part of VALVE, 637 447 C91) (Valve B)			

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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HYDRAULIC CONTROL UNIT, TWO-SPOOL HYDRAULIC CONTROL VALVE - Continued
(Hydreco)

733 644 C91 KIT, relief valve seal
(Consists of -
§ 1 "O" RING (
 (1-3/16" x 15/16" x 1/8")
§ 2 "O" RING
 (1-3/8" x 1-1/8" x 1/8")
§ 2 WASHER)

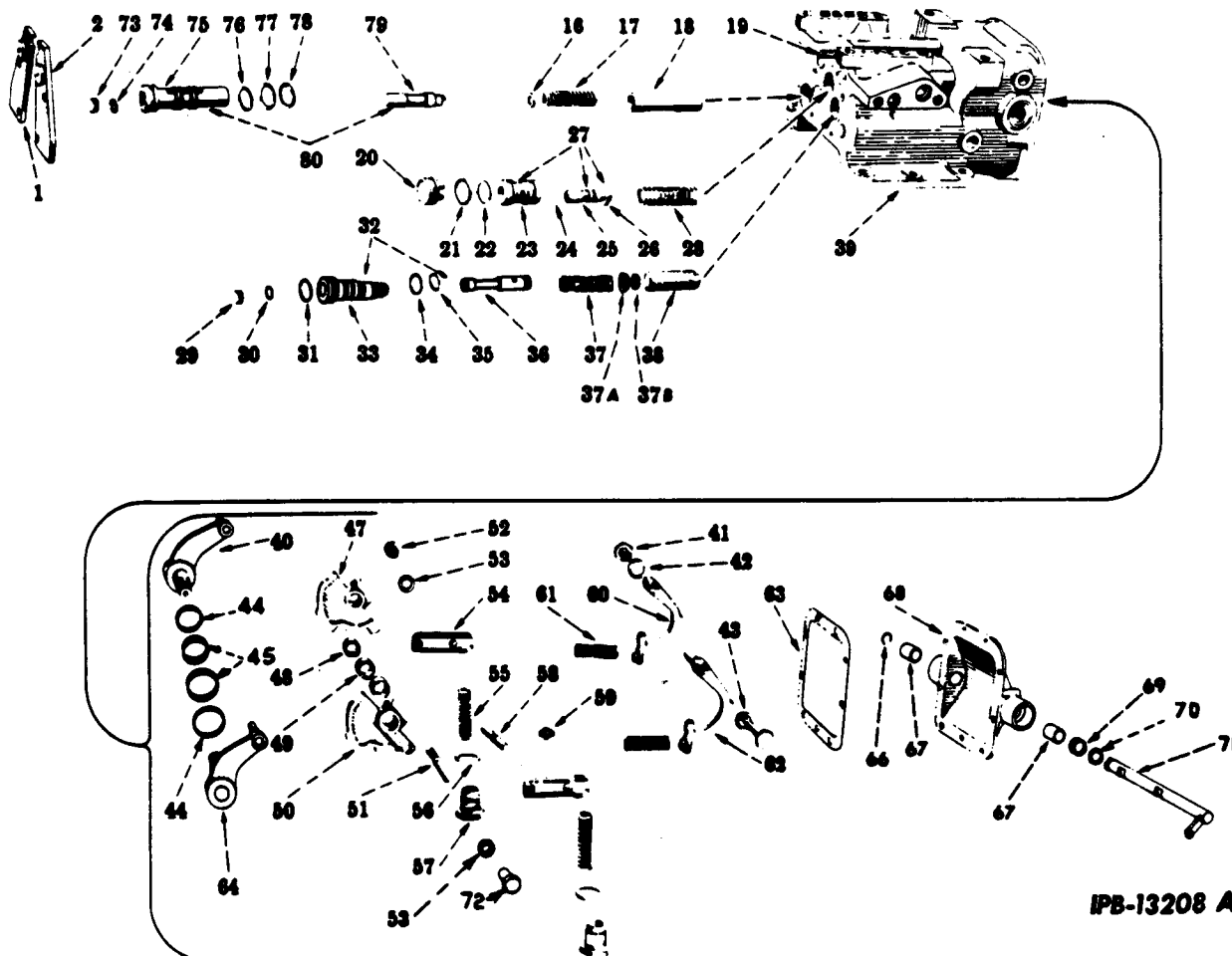
CZG-2920 DRAWING, retainer installation

- § - Not Furnished Separately.
- - Not Used w/RETAINER, 619 311 C1
- * - Not Used w/RETAINER, 634 039 C91

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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HYDRAULIC STEERING CONTROL VALVE



IPB-13208 A

A	700 022 C94	VALVE, hydraulic steering control (Order VALVE, 700 022 C98) Manual Shift 1669 and below Power Shift 1653 and below	1	658 566 C1 25 522 R1 24 840 R1 115 093	PLATE, valve retainer, LH (Valve B) NUT SCREW, hex-hd cap (2) WASHER, lock (3)
B	658 580 C91	VALVE, hydraulic steering control (Order VALVE, 700 022 C98) Manual Shift 1670 to 1880 Power Shift 1654 to 1880	2	259 317 R91	PLATE, valve retainer, RH (Valve A and C)
C	700 022 C98	VALVE, hydraulic steering control (Will work for VALVE, 700 022 C94 and VALVE, 658 580 C91) Manual Shift 1881 and up Power Shift 1881 and up	2	658 567 C1 115 093 24 840 R1	PLATE, valve retainer, RH (Valve B) WASHER, lock (2) SCREW, hex-hd cap (2)
	604 906 C1	SCREW, NF, 3-1/2" long, hex-hd cap (2 for Manual Shift) (1 for Power Shift)	16	259 207 R1	WASHER, pivot brake valve reaction spring thrust (2)
	24 886 R1	SCREW, 1-1/2" long, hex-hd cap (2 for Manual Shift) (1 for Power Shift)	17	259 208 R2 259 207 R1	SPRING, pivot brake valve reaction (2) SHIM, pivot brake valve reaction spring (2)
			18	259 320 R1	PLUNGER, pivot brake valve actuating (2)
1	259 316 R91	PLATE, valve retainer, LH (Valve A and C)	19	24 536 D	STUD, valve retainer plate

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC STEERING CONTROL VALVE - Continued			38	259 200 R11	PLUNGER, sequence valve tappet (4)
20		PLUG, pressure-reducing valve (Not serviced separately)	39		HOUSING ASSY, hydraulic control valve (Not furnished separately)
21		"O" RING, pressure-reducing valve plug packing (Order PACKAGE, 700 325 C92)	40	318 606 R91	LEVER, hydraulic control valve cam operating, LH
22		"O" RING, pressure-reducing valve packing front (Order PACKAGE, 700 325 C92)	41	259 224 R2	PLUG, brake control valve pick-up lever pivot shaft retainer (2)
23		SLEEVE, pressure-reducing valve piston (Order VALVE, 254 725 R93)	42	259 223 R1	WASHER, brake control valve pick-up lever pivot shaft retainer plug (2)
24		"O" RING, pressure-reducing valve packing rear (Order PACKAGE, 700 325 C92)	43	259 222 R1	SHAFT, brake control valve pick-up lever pivot
25		PISTON, pressure-reducing valve (Order VALVE, 254 725 R93)	44		SEAL, oil (Order PACKAGE, 703 207 C91) (2)
26		REST, pressure-reducing valve spring (Order VALVE, 254 725 R93)	45		SEAL, oil (Order PACKAGE, 703 207 C91) (2)
27	254 725 R93	VALVE, pressure-reducing	47	259 325 R2	CAM, hydraulic control valve operating, LH
28	331 045 R1 103 342	SPRING, pressure-reducing valve SHIM, pressure-reducing valve spring (2)	48	259 199 R1	BUSHING, steering control operating lever shaft, outer (2)
29	604 455 C3	PLUG, sequence valve	49	259 198 R1	BUSHING, steering control operating lever shaft, inner
30		"O" RING, sequence valve plug packing (Order PACKAGE, 700 325 C92) (4)	50	259 326 R2	CAM, hydraulic control valve operating, RH
31		"O" RING, sequence valve sleeve packing front (Order PACKAGE, 700 325 C92) (4)	51	259 214 R1	PIN, hydraulic control valve operating cam locking (2)
32	604 451 C95	PLUNGER and SLEEVE sequence valve (Together with snap RING, 658 973 C1, will work for PLUNGER, 604 451 C94) (2)		25 523 R1	NUT, NF (2)
	658 973 C1	RING, sequence sleeve snap (4)		115 093	WASHER, lock (2)
33		SLEEVE, sequence valve (Order PLUNGER and SLEEVE, 604 451 C95) (4)	52	259 224 R2	PLUG, steering control index lever shaft retainer
34	369 908 R1	"O" RING, sequence valve sleeve packing center (4)	53	259 223 R1	WASHER, steering control index lever retainer plug (2)
35	364 879 R1	"O" RING, sequence valve sleeve packing rear (4)	54	259 216 R13	LEVER, steering control index (2)
36		PLUNGER, sequence valve (Order PLUNGER and SLEEVE, 604 451 C95) (4)	55	265 129 R3	SPRING, steering control index lever (2)
37	255 928 R2	SPRING, sequence valve (4)	56	259 220 R1	WASHER, steering control index lever spring retainer plug (2)
37A	604 454 C1	RETAINER, valve spring (4)	57	259 221 R2	PLUG, steering control index lever spring retainer (2)
37B	174 041 R1	RING, retainer (4)	58	259 215 R1	SHAFT, steering control index lever
			59	102 584 118 624	SCREW, sq-hd cup-pt set NUT, jam
			60	259 323 R93	LEVER, brake control valve pick-up, LH
			61	620 076 C1	SPRING, brake control valve pick-up lever (2)

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC STEERING CONTROL VALVE - Continued			80	604 456 C94	SLEEVE and SPOOL, pivot brake (2)
62	259 324 R93	LEVER, brake control valve pick-up, RH		258 423 R1	PLUG, 1/4" csk pipe (hydraulic control valve housing) (2)
63	259 229 R1	GASKET, hydraulic control valve housing cover		258 566 R1	PLUG, 1/8" csk pipe (hydraulic control valve housing) (6)
64	318 607 R91	LEVER, hydraulic control valve cam operating, RH		703 207 C91	PACKAGE, hydraulic control valve housing and housing cover oil seal field service (X) (Consists of - s 1 DRAWING, installation s 2 SEAL)
66	104 209 R1	RING, hydraulic brake camshaft retaining		700 325 C92	PACKAGE, hydraulic control valve "O" RING field service (Consists of 27 "O" RING)
67	259 199 R1	BUSHING, hydraulic brake camshaft (2)		628 328 C92	PACKAGE, steering valve field improvement (See NOTE 4) Manual Shift 1669 and below Power Shift 1653 and below (Consists of - 1 GASKET 259 229 R1 18 "O" RINGS 355 966 R1 x PACKAGE 700 325 C92 1 PAMPHLET 1 085 415 R1 1 PLATE - LH 658 566 C1 1 PLATE - RH 658 567 C1 1 PLUG 254 738 R2 6 PLUG 604 455 C2 4 PLUNGER and SLEEVE 604 451 C95 2 SLEEVE and SPOOL 604 456 C94 4 SNAP RING 658 973 C1 2 SPACER 658 570 C1 1 VALVE 254 725 R93)
68	314 681 R11	COVER, w/two BUSHING, 259 199 R1, hydraulic control valve housing			
	25 235 R1	SCREW, 2-1/2" long, hex-hd cap (2)			
	25 492 R1	SCREW, 7/8" long, hex-hd cap (7)			
	172 570	PLUG, expansion			
	110 120	WASHER, lock			
69		SEAL, oil (Order PACKAGE, 703 207 C91)			
70		SEAL, oil (Order PACKAGE, 703 207 C91)			
71	700 023 C1 103 387 103 347	SHAFT, hydraulic brake cam PIN, cotter WASHER, flat			
72	617 340 C1	SCREW, steering control index lever shaft retainer (Used w/VALVE, 700 022 C91)			
72	259 224 R2	PLUG, steering control index lever shaft retainer (Used w/VALVE, 700 022 C97)		3 067 183 R1	RING, steering control manifold sealing (8)
73	604 455 C3	PLUG, pivot brake valve seal (2)		3 067 183 R1	RING, steering control housing pressure point sealing
74		"O" RING, pivot brake valve seal plug (Order PACKAGE, 700 325 C92)		21 433 R1	RING, steering control housing suction port sealing
75		SLEEVE, pivot brake valve (Order SLEEVE and SPOOL, 604 456 C94) (2)		658 570 C1	SPACER, high-range valve spring (Valve B) (2)
76		"O" RING, pivot brake valve sleeve front (Order PACKAGE, 700 325 C92) (2)			
77		"O" RING, pivot brake valve sleeve center (Order PACKAGE, 700 325 C92) (2)			
78		"O" RING, pivot brake valve sleeve rear (Order PACKAGE, 700 325 C92) (2)			
79		SPOOL, pivot brake valve (Order SLEEVE and SPOOL, 604 456 C94) (2)			

s - Not Furnished Separately.

(X) - As Required.

NOTE 4 - Package No Longer Available; Service Parts Will Be Furnished.

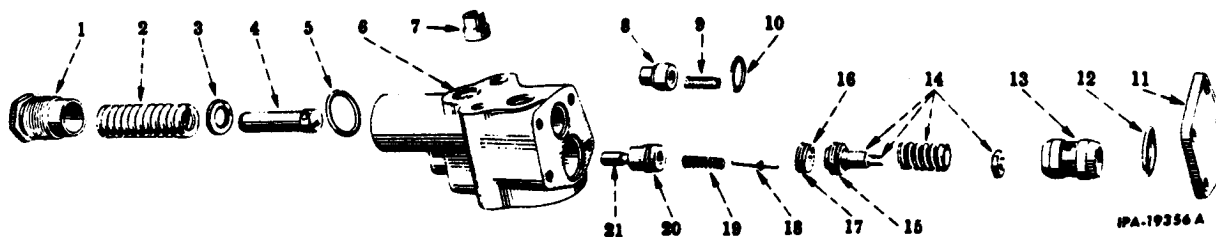
HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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HYDRAULIC CONTROL REGULATOR

Manual Shift 2037 and Below

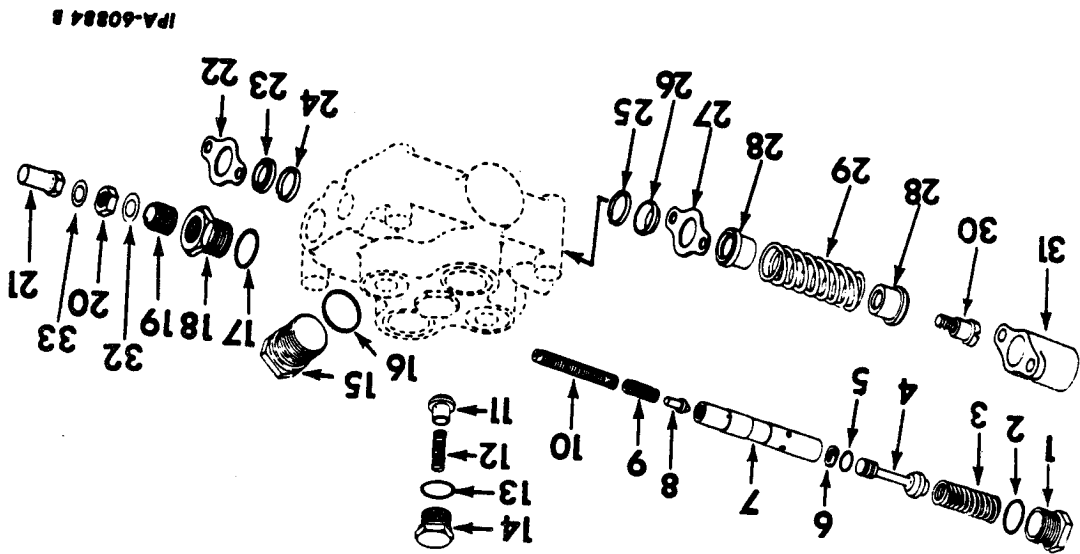
Power Shift 2037 and Below



	331 044 R94	VALVE ASSY, control regulator and check (Includes Ref. Nos 1 through 21)	17		"O" RING, regulator pilot valve seat (Order PACKAGE, 322 166 R91)
1	254 943 R1	CAP, regulator safety valve	18	254 946 R1	VALVE, regulator pilot
2	624 450 C1	SPRING, regulator safety valve	19	254 945 R1	SPRING, regulator valve
3	331 661 R1	COLLAR, regulator safety valve	20		"O" RING, regulator valve packing (Order PACKAGE, 322 166 R91)
4	254 940 R1	VALVE, regulator safety valve	21	255 072 R2	VALVE, regulator
5		"O" RING, regulator safety valve cap packing (Order PACKAGE, 322 166 R91)			"O" RING, regulator housing packing (Order PACKAGE, 322 163 R91, or 322 166 R91) (3)
6	254 939 R31	HOUSING, w/PLUG, 258 566 R1, control regulator and check valve		322 163 R91	PACKAGE, steering control housing to junction block and regulator valve manifold "O" RING, field service (Consists of - 9 "O" RING)
7	253 497 R1	FILTER, regulator			
8	254 944 R2	VALVE, check		322 166 R91	PACKAGE, regulator check valve housing and control valve housing to regulator junction block manifold, "O" RING, field service (Consists of - 17 "O" RING)
9	254 945 R1	SPRING, check valve			
10		"O" RING, check valve chamber (Order PACKAGE, 322 166 R91)		258 566 R1	PLUG, 1/8" control regulator and check valve housing pipe
11	253 492 R2 25 993 R1 116 120	PLATE, regulator housing cover SCREW, NF, hex-hd cap (4) WASHER, lock (4)			
12		"O" RING, regulator valve chamber (Order PACKAGE, 322 166 R91)			
13	254 953 R1	SPACER, regulator valve			
14	331 046 R92	REGULATOR			
15		"O" RING, regulator piston guide (Order PACKAGE, 322 166 R91)			
16	254 947 R1	SEAT, regulator pilot valve			

REF. NO.	PART NUMBER	DESCRIPTION
18	310 815 R1	PLUG, relief valve pilot
17	368 269 R1	"O" RING, tubing
16	297 459 R1	"O" RING (2)
15	310 850 R1	PLUG, port (2)
14	310 821 R1	PLUG, check valve
13	364 885 R1	"O" RING
12	310 820 R1	SPRING, check valve poppet
11	310 819 R1	POPPET, check valve
10	310 816 R1	SCREW, relief valve adjusting
9	310 813 R1	SPRING, relief valve pilot
8	310 812 R1	POPPET, relief valve pilot
7	310 809 R1	SLEEVE, relief valve
6	310 811 R1	RING, back-up
5	355 967 R1	"O" RING
4	310 810 R1	POPPET, relief valve
3	310 808 R1	SPRING, relief valve poppet
2	368 269 R1	"O" RING
1	310 807 R1	PLUG, relief valve
19	310 814 R1	SLEEVE, adjusting screw
20	310 817 R1	NUT, adjusting screw lock
21	310 818 R1	NUT, adjusting screw castle
22	310 798 R1	PLATE, seal (detent end)
23	310 796 R1	SEAL and WIPER, oil (detent end)
24	310 797 R1	RING, seal support (detent end)
25	310 797 R1	RING, seal support (eye end)
26	310 796 R1	SEAL and WIPER, oil (eye end)
27	310 798 R1	PLATE, float plunger seal (eye end)
28	310 822 R1	SEAT, standard plunger detent spring (2)
29	310 823 R1	SPRING, standard plunger detent
30	310 824 R1	SCREW, standard plunger detent
31	310 825 R1	CAP, standard plunger detent
32	175 683 H1	WASHER, relief valve
33	175 684 H1	WASHER, relief valve
19	313 578 R91	VALVE ASSY, single-plunger hydraulic

(Consists of -
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IPA-60884 B

HYDRAULIC TILT VALVE (MODEL D-3)

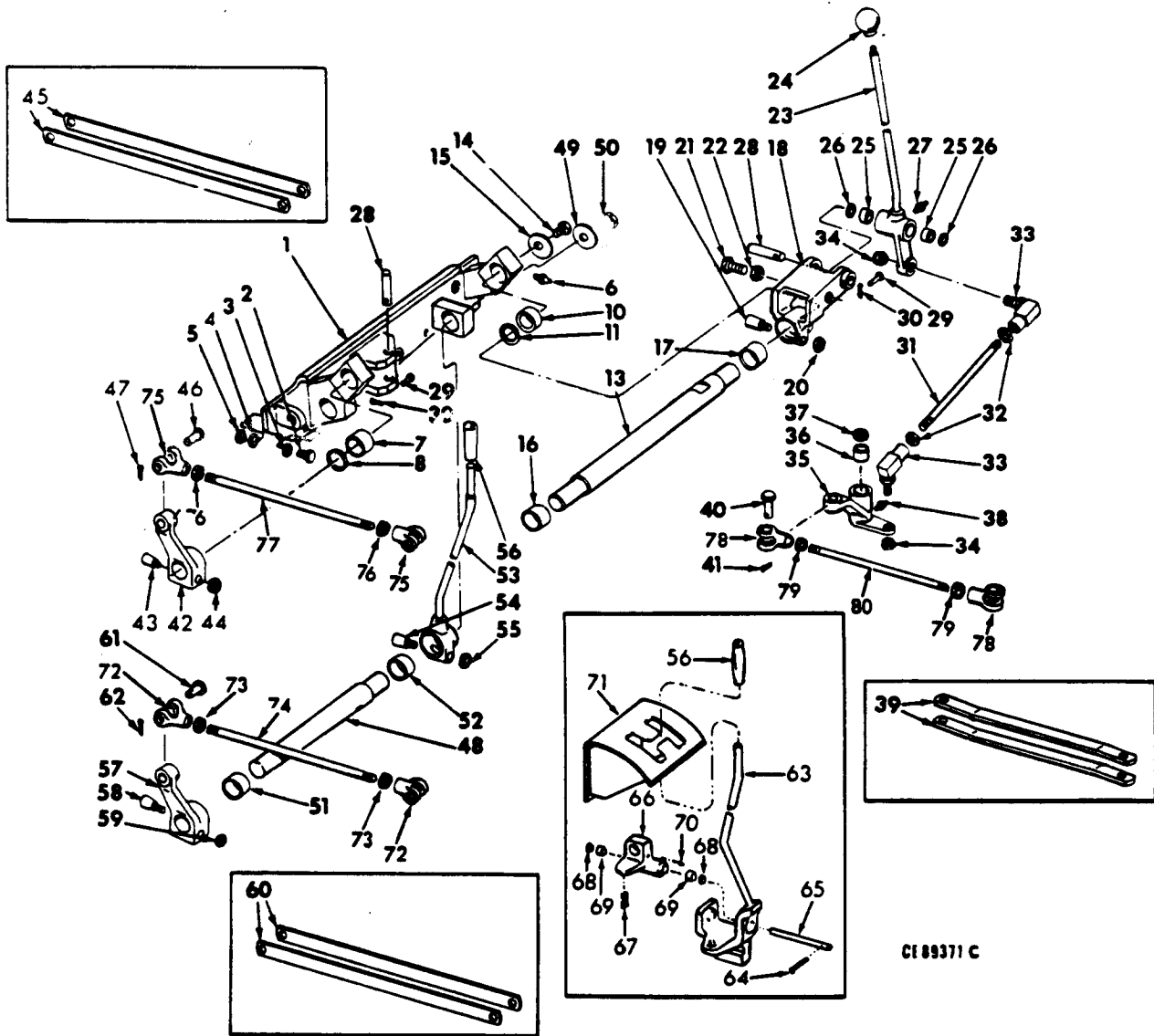
REF. NO.	PART NUMBER	DESCRIPTION
19	310 814 R1	SLEEVE, adjusting screw
20	310 817 R1	NUT, adjusting screw lock
21	310 818 R1	NUT, adjusting screw castle
22	310 798 R1	PLATE, seal (detent end)
23	310 796 R1	SEAL and WIPER, oil (detent end)
24	310 797 R1	RING, seal support (detent end)
25	310 797 R1	RING, seal support (eye end)
26	310 796 R1	SEAL and WIPER, oil (eye end)
27	310 798 R1	PLATE, float plunger seal (eye end)
28	310 822 R1	SEAT, standard plunger detent spring (2)
29	310 823 R1	SPRING, standard plunger detent
30	310 824 R1	SCREW, standard plunger detent
31	310 825 R1	CAP, standard plunger detent
32	175 683 H1	WASHER, relief valve
33	175 684 H1	WASHER, relief valve

HYDRAULICS

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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HYDRAULIC EQUIPMENT CONTROLS (For Units Equipped with a 3-Spool Valve)



CE 89371 C

1	705 767 C1	BRACKET, control support (Replaces 623 940 C1)	11	564 808 R91	SEAL, oil (4)
2	24 862 R1	SCREW, hex-hd cap (3)	13	614 793 C1	SHAFT, tilt control
3	103 343	WASHER (3)	14	25 767 R1	SCREW, hex-hd cap
4	116 121	WASHER, lock (3)	15	453 231 R1	WASHER, flat
5	25 526 R1	NUT (3)	16	308 813 R1	RACE, bearing
6	110 146 R91	FITTING, lubrication (4)	17	614 794 C1	RACE, bearing
7	298 175 R91	BEARING (2)	18	614 795 C1	BELLCRANK, lift and tilt
8	287 058 R91	SEAL, oil (4)	19	295 535 R1	BOLT, locking
10	614 792 C91	BEARING (2)	20	25 520 R1	NUT

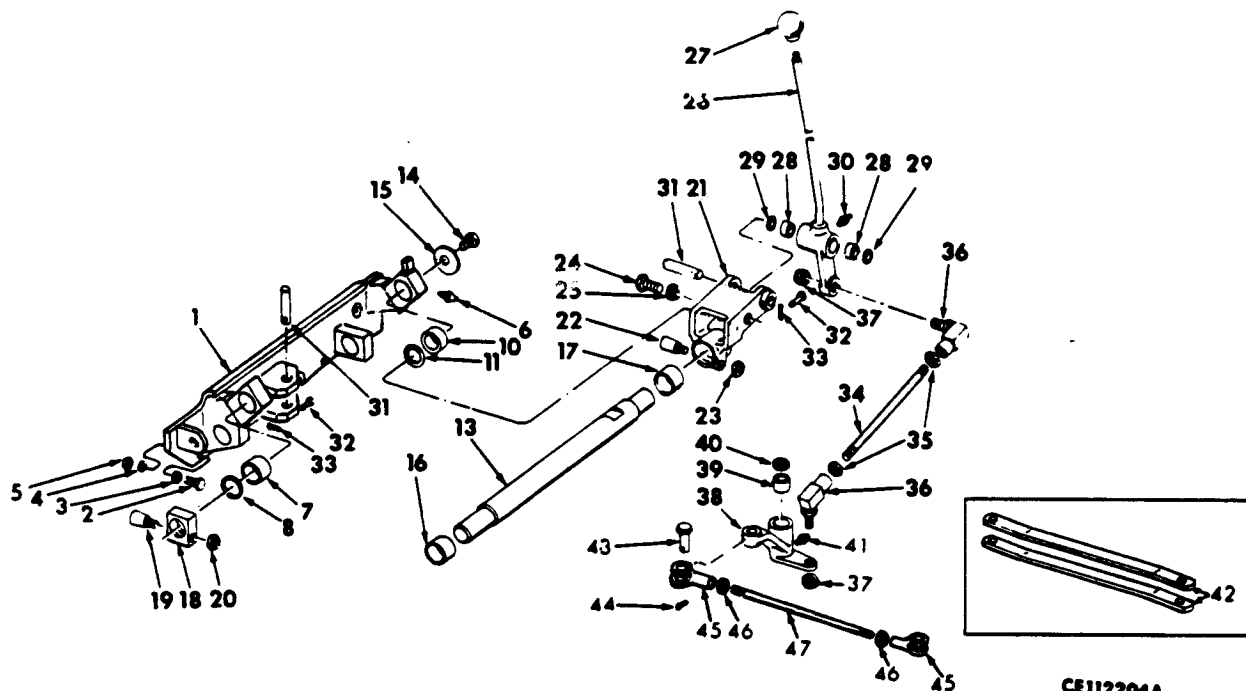
HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC EQUIPMENT CONTROLS - Continued (For Units Equipped with a 3-Spool Valve)			52	614 794 C1	RACE, bearing
21	614 796 C1	SCREW, hex-hd cap (2)	53	704 006 C1	HANDLE, ripper control (Not used with Ripper Pitch)
22	25 922 R1	NUT, NF jam (2)	54	295 535 R1	BOLT, locking
23	700 873 C1	HANDLE, lift and tilt	55	25 520 R1	NUT
24	264 055 R2	BALL, lever	56	616 659 C1	GRIP (+)
25	614 799 C91	BEARING, needle (2)	57	616 654 C1	BELLCRANK, ripper
26	336 181 R91	SEAL, oil (2)	58	295 535 R1	BOLT, locking (+)
27	109 461	FITTING, lubrication	59	25 520 R1	NUT (+)
28	616 650 C1	SHAFT, raise and tilt (2)	60	616 655 C1	LINK, ripper (2) (Order ROD, 427 608 R1, two NUT, 25 922 R1 and two CLEVIS 705 687 C1)
29	27 329 R1	PIN, rod end (2)	61	103 498	PIN, rod end (2)
30	137 127	PIN, cotter (2)	62	137 180	PIN, cotter (2)
31	616 651 C1	ROD, lift control	63	711 865 C1	YOKE, ripper lever (+)
32	114 496	NUT, NF jam (2)	64	U 5348 103 384	PIN, headed (+) PIN, cotter
33	702 131 C1	JOINT, ball (Replaces 333 805 R1) (2)	65	711 869 C1	SHAFT, ripper lever (+)
34	9 413 957	NUT, stover lock (2)	66	711 861 C1	HUB, lever (+)
35	616 652 C1	BELLCRANK, lift	67	659 914 C1	SPRING, return (+)
36	614 799 C91	BEARING, needle (2)	68	336 181 R91	SEAL, oil (+) (2)
37	336 181 R91	SEAL, oil (2)	69	614 799 C91	BEARING (+) (2)
38	109 461	FITTING, lubrication	70	109 461	FITTING, lube (+)
39	616 653 C1	LINK, lift (2) (Order ROD, 705 688 C1, two NUT, 25 922 R1 and two CLEVIS 705 687 C1)	71	711 868 C1 24 861 R1 116 121 25 546 R1 25 526 R1	GATE, ripper control (+) SCREW, hex-hd cap (3) WASHER, lock (3) WASHER, flat (3) NUT (3)
40	33 557 V	PIN, rod end (2)	72	705 687 C1	CLEVIS (2)
41	137 180	PIN, cotter (2)	73	25 922 R1	NUT, lock (2)
42	616 654 C1	BELLCRANK, tilt	74	427 608 R1	ROD, ripper
43	295 535 R1	BOLT, locking	75	705 687 C1	CLEVIS (2)
44	25 520 R1	NUT	76	25 922 R1	NUT, lock (2)
45	616 660 C1	LINK, tilt (2) (Order ROD, 66 027 C1, two NUT, 25 922 R1 and two CLEVIS 705 687 C1)	77	66 027 C1	ROD, tilt
46	103 498	PIN, rod end (2)	78	705 687 C1	CLEVIS (2)
47	137 180	PIN, cotter (2)	79	25 922 R1	NUT, lock (2)
48	616 656 C1	SHAFT, ripper control	80	705 688 C1	ROD, lift
49	453 231 R1	WASHER, flat			(+) - Also part of Ripper Pitch Attachment.
50	25 767 R1	SCREW, NF, hex-hd cap			
51	308 813 R1	-RACE, bearing			

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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HYDRAULIC EQUIPMENT CONTROLS (For Units Equipped w/a 2-Spool Valve, Single Lever, Blade Lift Only)



CE112204A

1	705 767 C1	BRACKET, control support (Replaces 623 940 C1)	18	618 499 C1	BLOCK, locking
2	24 862 R1	SCREW, hex-hd cap (3)	19	295 535 R1	BOLT, locking
3	103 343	WASHER (3)	20	25 520 R1	NUT
4	116 121	WASHER, lock (3)	21	614 795 C1	BELLCRANK, lift-tilt
5	25 526 R1	NUT (3)	22	295 535 R1	BOLT, locking
6	110 146 R91	FITTING, lub (2)	23	25 520 R1	NUT
7	298 175 R91	BEARING	24	614 796 C1	BOLT (2)
8	287 058 R91	SEAL, oil (2)	25	25 922 R1	NUT, NF jam (2)
10	614 792 C91	BEARING	26	700 873 C1	HANDLE, lift and tilt
11	564 808 R91	SEAL, oil (2)	27	264 055 R2	BALL, lever
13	614 793 C1	SHAFT, tilt control	28	614 799 C91	BEARING, needle (2)
14	25 767 R1	SCREW, NF, hex-hd cap	29	336 181 R91	SEAL, oil (2)
15	453 231 R1	WASHER, flat	30	109 461	FITTING, lub
16	308 813 R1	RACE, bearing	31	616 650 C1	SHAFT, lift and tilt (2)
17	614 794 C1	RACE, bearing	32	27 329 R1	PIN, rod end (2)

HYDRAULICS

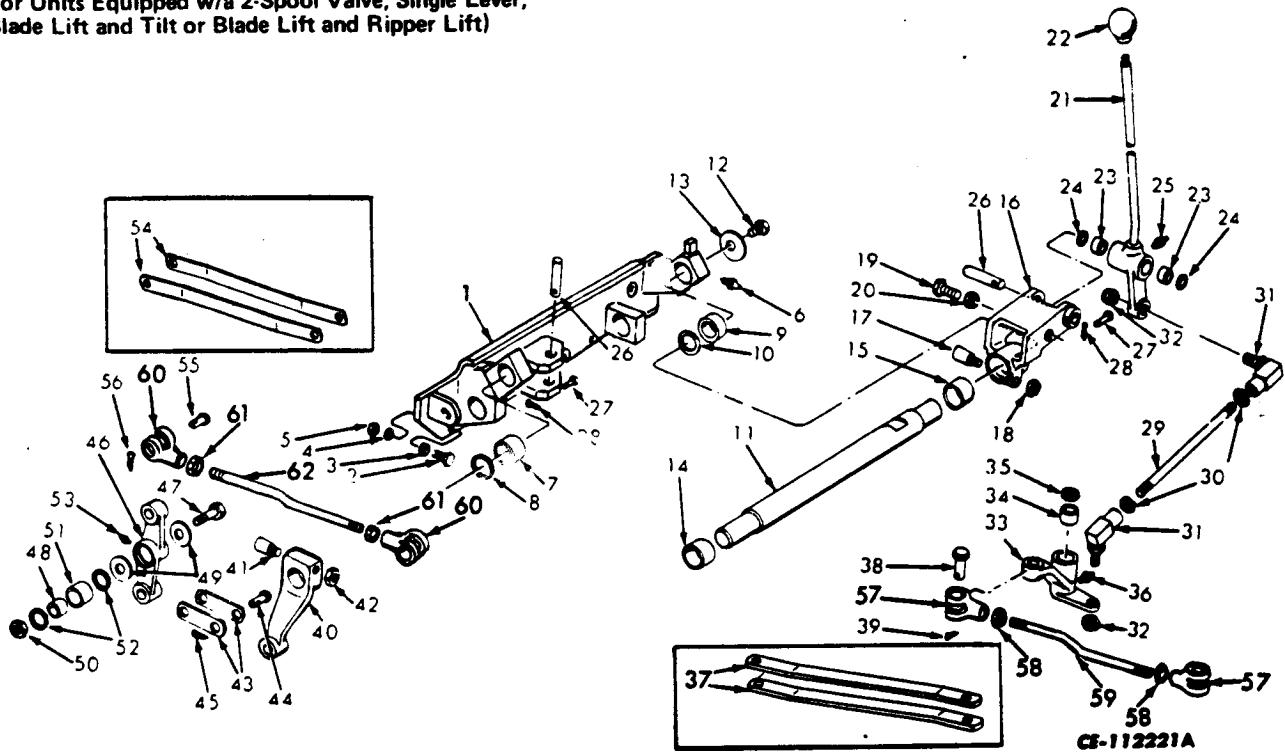
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC EQUIPMENT CONTROLS - Continued (For Units Equipped w/a 2-Spool Valve, Single Lever, Blade Lift Only)					
33	137 127	PIN, cotter (2)			
34	616 651 C1	ROD, lift control			
35	114 496	NUT, NF jam (2)			
36	702 131 C1	JOINT, ball (Replaces 333 805 R1) (2)			
37	9 413 957	NUT, stover lock (2)			
38	616 652 C1	BELLCRANK, lift			
39	614 799 C91	BEARING, needle (2)			
40	336 181 R91	SEAL, oil (2)			
41	109 461	FITTING, lub			
42	616 653 C1	LINK, lift (2) (Order ROD 705 688 C1, two NUT 25 922 R1 and two CLEVIS 705 687 C1)			
43	33 557 V	PIN, rod end (2)			
44	137 180	PIN, cotter (2)			
45	705 687 C1	CLEVIS (2)			
46	25 922 R1	NUT, lock (2)			
47	705 688 C1	ROD, lift			

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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HYDRAULIC EQUIPMENT CONTROLS

(For Units Equipped w/a 2-Spool Valve, Single Lever, Blade Lift and Tilt or Blade Lift and Ripper Lift)



A		Hydraulic Controls (D-2 or G-2 with blade lift and tilt, also Cushion Dozer with Ripper Lift)	14	308 813 R1	RACE, bearing (A)
B	700 838 C91	ATTACHMENT, hydraulic blade tilt control (D-2 or G-2) (See NOTE 2)	15	614 794 C1	RACE, bearing (A)
1	705 767 C1	BRACKET, control support (Replaces 623 940 C1) (A)	16	614 795 C1	BELLCRANK, lift-tilt (A)
2	24 862 R1	SCREW, hex-hd cap (A) (3)	17	295 535 R1	BOLT, locking (A)
3	103 343	WASHER (A) (3)	18	25 520 R1	NUT (A)
4	116 121	WASHER, lock (A) (3)	19	614 796 C1	BOLT (A) (2)
5	25 526 R1	NUT (A) (3)	20	25 922 R1	NUT, NF jam (A) (2)
6	110 146 R91	FITTING, lub (A) (2)	21	700 873 C1	HANDLE, lift and tilt (A)
7	298 175 R91	BEARING (A)	22	264 055 R2	BALL, lever (A)
8	287 058 R91	SEAL, oil (A) (2)	23	614 799 C91	BEARING, needle (A) (2)
9	614 792 C91	BEARING (A)	24	336 181 R91	SEAL, oil (A) (2)
10	564 808 R91	SEAL, oil (A) (2)	25	109 461	FITTING, lub (A)
11	614 793 C1	SHAFT, tilt control (A)	26	616 650 C1	SHAFT, lift and tilt (A) (2)
12	25 767 R1	SCREW, NF, hex-hd cap (A)	27	27 329 R1	PIN, rod end (A) (2)
13	453 231 R1	WASHER, flat (A)	28	137 127	PIN, cotter (A) (2)

NOTE 2 - Field Application - Order on Machine Order Form.

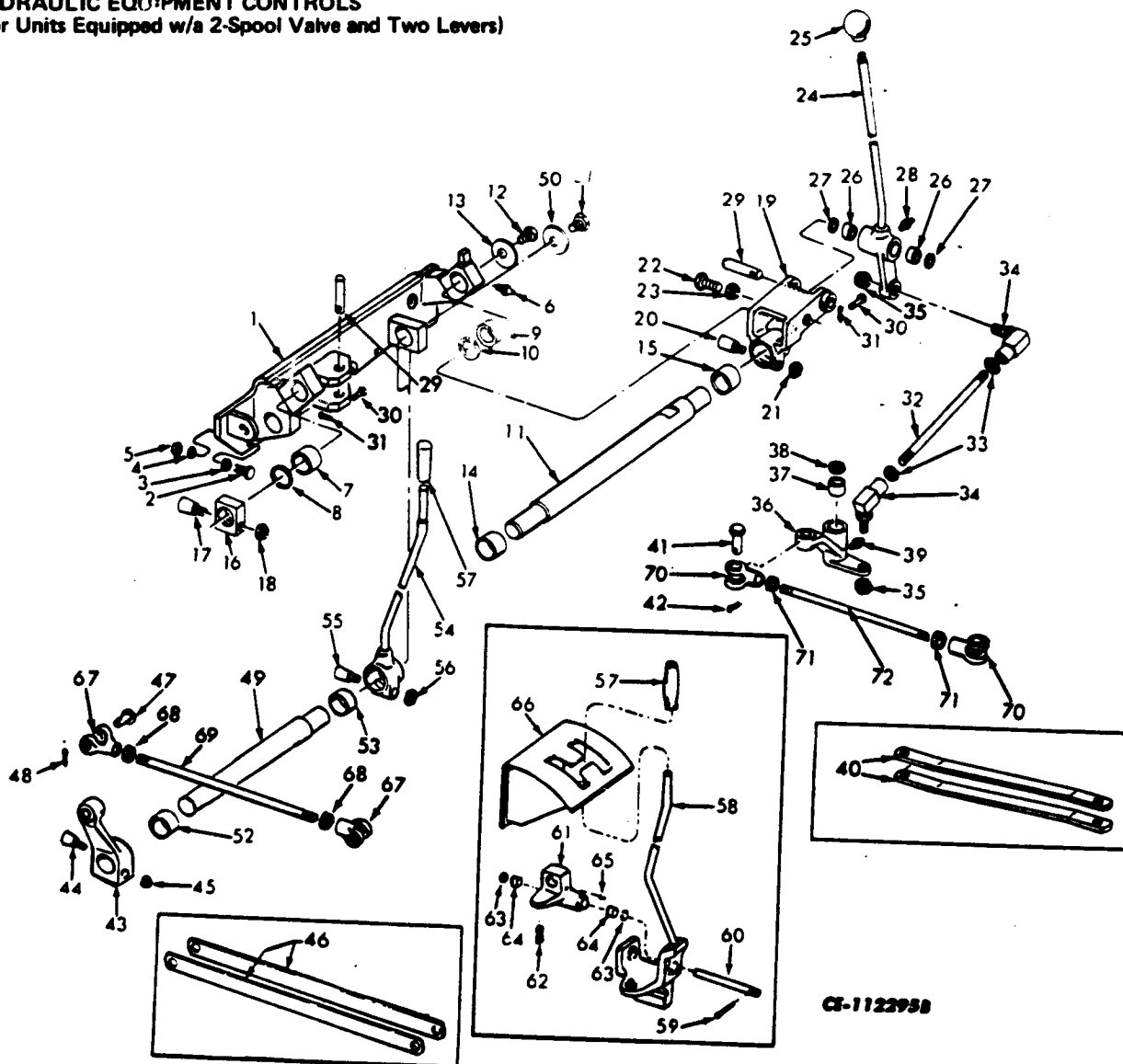
HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC EQUIPMENT CONTROLS - Continued (For Units Equipped w/a 2-Spool Valve, Single Lever, Blade Lift and Tilt or Blade Lift and Ripper Lift)					
29	616 651 C1	ROD, lift control (A)	57	705 687 C1	CLEVIS (A) (2)
30	114 496	NUT, NF jam (A) (2)	58	25 922 R1	NUT, lock (A) (2)
31	702 131 C1	JOINT, ball (Replaces 333 805 R1) (A) (2)	59	705 688 C1	ROD, lift (A)
32	9 413 957	NUT, stover lock (A) (2)	60	705 687 C1	CLEVIS (2)
33	616 652 C1	BELLCRANK, lift (A)	61	25 922 R1	NUT, lock (2)
34	614 799 C91	BEARING, needle (A) (2)	62	705 689 C1	ROD, tilt
35	336 181 R91	SEAL, oil (A) (2)			
36	109 461	FITTING, lub (A)			
37	616 653 C1	LINK, lift (2) (Order ROD, 705 688 C1, two NUT 25 922 R1, and two CLEVIS 705 687 C1)			
38	33 557 V	PIN, rod end (A) (2)			
39	137 180	PIN, cotter (A) (2)			
40	616 654 C1	BELLCRANK			
41	295 535 R1	BOLT, locking			
42	25 520 R1	NUT			
43	614 700 C1	LINK, tilt (Short) (2)			
44	103 498	PIN, rod end (2)			
45	137 180	PIN, cotter (2)			
46	618 515 C1	BELLCRANK, tilt			
47	24 878 R1	SCREW, hex-hd cap			
48	326 055 R1	SLEEVE			
49	106 267	WASHER, flat (2)			
50	25 528 R1	NUT			
51	586 633 R91	BEARING			
52	319 566 R91	SEAL, oil (2)			
53	109 461	FITTING, lub			
54	614 701 C1	LINK, tilt (long) (2) (Order ROD 705 689 C1, two NUT 25 922 R1, and two CLEVIS 705 687 C1)			
55	103 498	PIN, rod end (2)			
56	137 180	PIN, cotter (2)			

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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HYDRAULIC EQUIPMENT CONTROLS (For Units Equipped w/a 2-Spool Valve and Two Levers)



A		Hydraulic Controls (Cushion Dozer with Ripper Lift) (D-2 or G-2 with Blade Lift and Ripper Lift)	3	103 343	WASHER (A and C) (3)
			4	116 121	WASHER, lock (A and C) (3)
B	701 823 C91	ATTACHMENT, hydraulic ripper lift control (For Cushion Dozer) (See NOTE 4)	5	25 526 R1	NUT (A and C) (3)
			6	110 146 R91	FITTING, lub (A and C) (4)
C		Hydraulic Controls (Cushion Dozer with Ripper Lift and Pitch) (D-2 or G-2 with Blade Lift and Ripper Lift and Pitch)	7	298 175 R91	BEARING (A and C) (2)
			8	287 058 R91	SEAL, oil (A and C) (4)
1	705 767 C1	BRACKET, control support (Replaces 623 940 C1) (A and C)			
2	24 862 R1	SCREW, hex-hd cap (A and C) (3)			

NOTE 4: Attachment no longer available. Service parts will be furnished as ordered.

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC EQUIPMENT CONTROLS - Continued (For Units Equipped w/a 2-Spool Valve and Two Levers)			41	33 557 V	PIN, rod end (A and C) (2)
			42	137 180	PIN, cotter (A and C) (2)
9	614 792 C91	BEARING (A and C)	43	616 654 C1	BELLCRANK
10	564 808 R91	SEAL, oil (A and C) (2)	44	295 535 R1	BOLT, locking
11	614 793 C1	SHAFT, tilt control (A and C)	45	25 520 R1	NUT
12	25 767 R1	SCREW, NF, hex-hd cap (A and C)	46	616 655 C1	LINK, ripper (2) (Order ROD 427 608 R1, two NUT 25 922 R1, and two CLEVIS 705 687 R1)
13	453 231 R1	WASHER, flat (A and C)	47	103 498	PIN, rod end (2)
14	308 813 R1	RACE, bearing (A and C)	48	137 180	PIN, cotter (2)
15	614 794 C1	RACE, bearing (A and C)	49	616 656 C1	SHAFT, ripper control
16	618 499 C1	BLOCK, locking (A and C)	50	453 231 R1	WASHER
17	295 535 R1	BOLT, locking (A and C)	51	25 767 R1	SCREW, hex-hd cap
18	25 520 R1	NUT (A and C)	52	308 813 R1	RACE, bearing
19	614 795 C1	BELLCRANK, lift-tilt (A and C)	53	614 794 C1	RACE, bearing
20	295 535 R1	BOLT, locking (A and C)	54	704 006 C1	HANDLE, ripper control (A and B)
21	25 520 R1	NUT (A and C)	55	295 535 R1	BOLT, locking (+)
22	614 796 C1	BOLT (A and C) (2)	56	25 520 R1	NUT (phc) (Type 8) (+)
23	25 922 R1	NUT, NF jam (A and C) (2)	57	616 659 C1	GRIP (A, B, and C) (+)
24	700 873 C1	HANDLE, lift and tilt (A and C)	58	711 865 C1	YOKE, ripper lever (C) (+)
25	264 055 R2	BALL, lever (A and C)	59	U 5348 103 384	PIN, headed (C) (+) PIN, cotter
26	614 799 C91	BEARING, needle (A and C) (2)	60	711 869 C1	SHAFT, ripper lever (C) (+)
27	336 181 R91	SEAL, oil (A and C) (2)	61	711 861 C1	HUB, lever (C) (+)
28	109 461	FITTING, lub (A and C)	62	659 914 C1	SPRING, return (C) (+)
29	616 650 C1	SHAFT, lift and tilt (A and C) (2)	63	336 181 R91	SEAL, oil (C) (+) (2)
30	27 329 R1	PIN, rod end (A and C) (2)	64	614 799 C91	BEARING (C) (+) (2)
31	137 127	PIN, cotter (A and C) (2)	65	109 461	FITTING, lube (C) (+)
32	616 651 C1	ROD, lift control (A and C)	66	711 868 C1 24 861 R1 116 121 25 546 R1 25 526 R1	GATE, ripper control (C) (+) SCREW, hex-hd cap (3) WASHER, lock (3) WASHER, flat (3) NUT (3)
33	114 496	NUT, NF jam (A and C) (2)	67	705 687 C1	CLEVIS (2)
34	702 131 C1	JOINT, ball (Replaces 333 805 R1) (A and C) (2)	68	25 922 R1	NUT, lock (2)
35	9 413 957	NUT, stover lock (A and C) (2)	69	427 608 R1	ROD, ripper
36	616 652 C1	BELLCRANK, lift (A and C)	70	705 687 C1	CLEVIS (2)
37	614 799 C91	BEARING, needle (A and C) (2)			(+) - Also part of Ripper Pitch Attachment.
38	336 181 R91	SEAL, oil (A and C) (2)			
39	109 461	FITTING, lub (A and C)			
40	616 653 C1	LINK, lift (A&C) (2) (Order ROD 705 688 C1, two NUT 25 922 R1, and two CLEVIS 705 687 C1)			

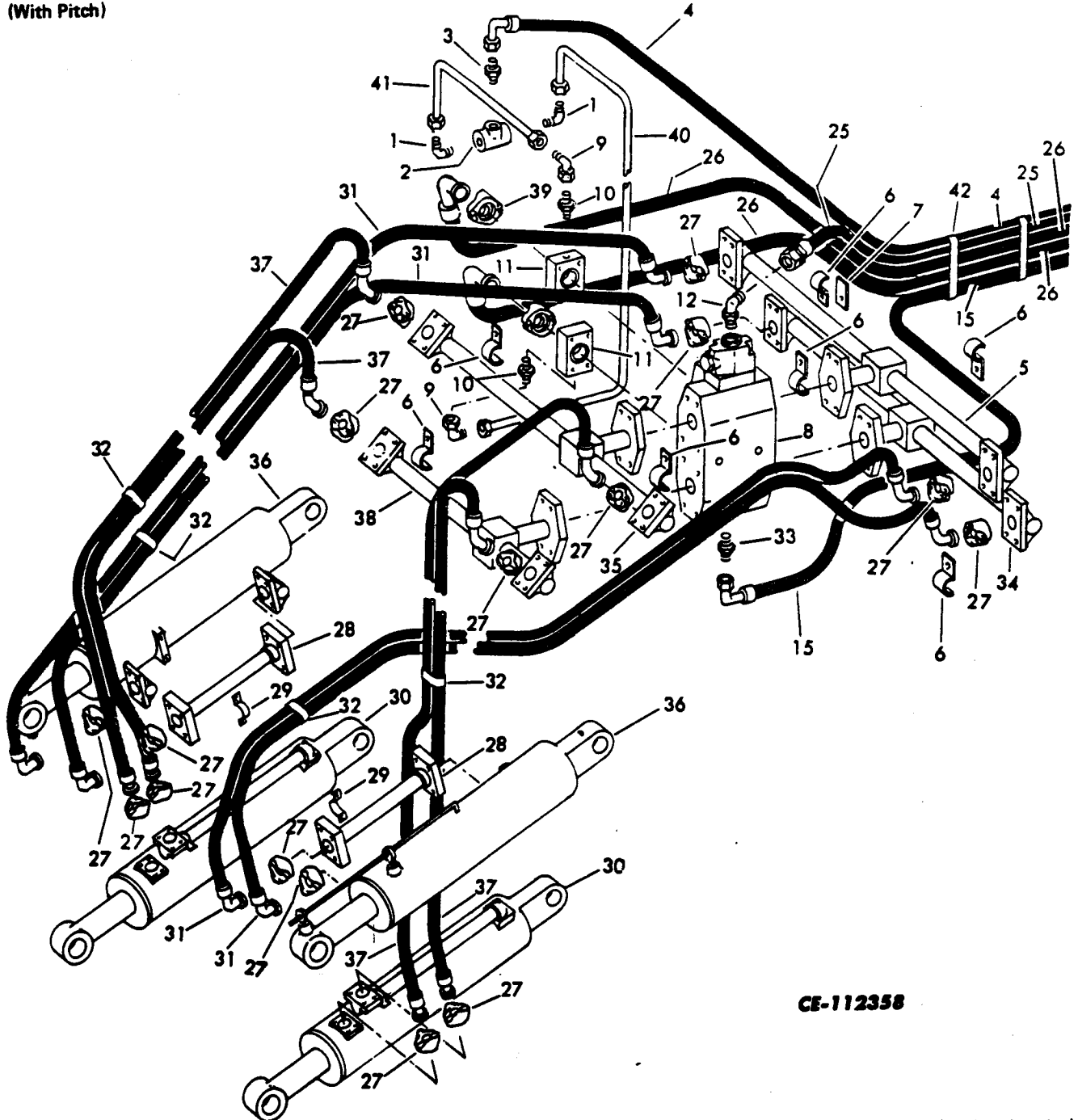
HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC EQUIPMENT CONTROLS - Continued (For Units Equipped w/a 2-Spool Valve and Two Levers)					
71	25 922 R1	NUT, lock (2)			
72	705 688 C1	ROD, lift			

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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RIPPER PIPING AND RELATED PARTS
(With Pitch)



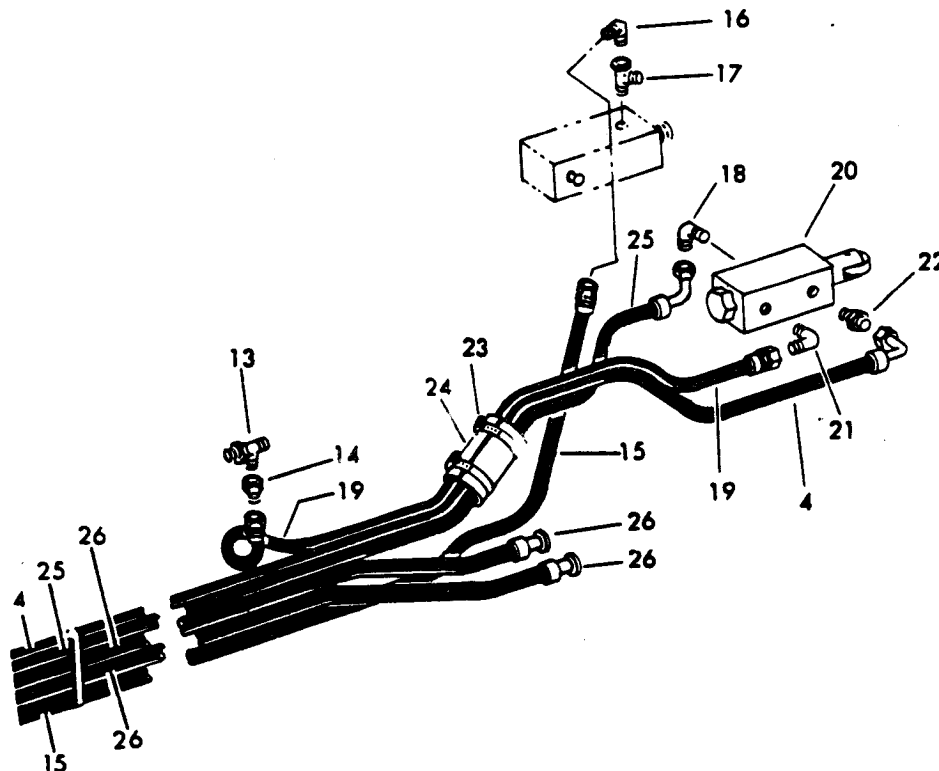
CE-112358

			3	9 409 910	CONNECTOR, tube (In shuttle valve)
1	346 737 R1	ELBOW (Shuttle valve inlet ports) (2)	4	710 446 C1	HOSE w/FITTINGS, shuttle valve to "P" port on selector valve (1/4" ID x 60" long including fittings)
2	658 913 C91	VALVE w/BALL 17 024 R1 and "O" RING 364 885 R1, shuttle	5	710 443 C1	TUBE, pitch (Rod end)
	25 672 R1	SCREW, hex-hd cap (2)		343 906 R1	"O" RING, 1-5/16 x 1-9/16 x 1/8"
	115 109	WASHER, lock (2)		140 483 H	SCREW, hex-hd cap (4)
	25 542 R1	WASHER, flat hardened (2)			
	25 519 R1	NUT (2)			

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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RIPPER PIPING AND RELATED PARTS - Continued
(With Pitch)



CE-112359

6	710 458 C1 24 862 R1 116 121 25 526 R1	CLAMP, tube (7) SCREW, hex-hd cap (7) WASHER, lock (7) NUT (7)	15	710 447 C1	HOSE w/FITTINGS, diverter valve to hydraulic steering manifold (1/4" ID x 50" long including fittings)
7	711 971 C1	SPACER, tube (x)	16	9 402 862	ELBOW, 90° (Tee in hydraulic steering manifold)
8		VALVE, diverter (Refer to "Ripper Diverter Valve")	17	444 251	TEE (In bleeder hole of hydraulic steering manifold)
9	9 410 278	ELBOW, diverter manifold outlet (2)	18	9 402 862	ELBOW, 90° ("S" port on selector valve)
10	9 402 706	CONNECTOR, diverter manifold outlet (2)	19	649 615 C1	HOSE w/FITTINGS, hydraulic reservoir to "D" port on selector valve (1/4" ID x 62" long including fittings)
11	710 457 C2 343 906 R1	MANIFOLD, diverter valve (2) "O" RING, 1-5/16 x 1-9/16 x 1/8" (2)	20		VALVE, pitch selector (Refer to "Ripper Pitch Selector Valve")
12	156 264 C91 364 839 R1	ELBOW, adjustable "O" RING, 15/32 x 5/8 x 5/64"	21	9 402 862	ELBOW, 90° ("D" port on selector valve)
13	9 411 133 285 724 R1	TEE, tube adjustable (In hydraulic reservoir at steering manifold drain hose) "O" RING, 3/8 x 5/8 x 1/8"	22	9 402 706	CONNECTOR, tube ("P" port on selector valve)
14	9 403 403 9 403 530	REDUCER, flared tube NUT, flared tube	23	279 024 R91	CLAMP, hose (2)

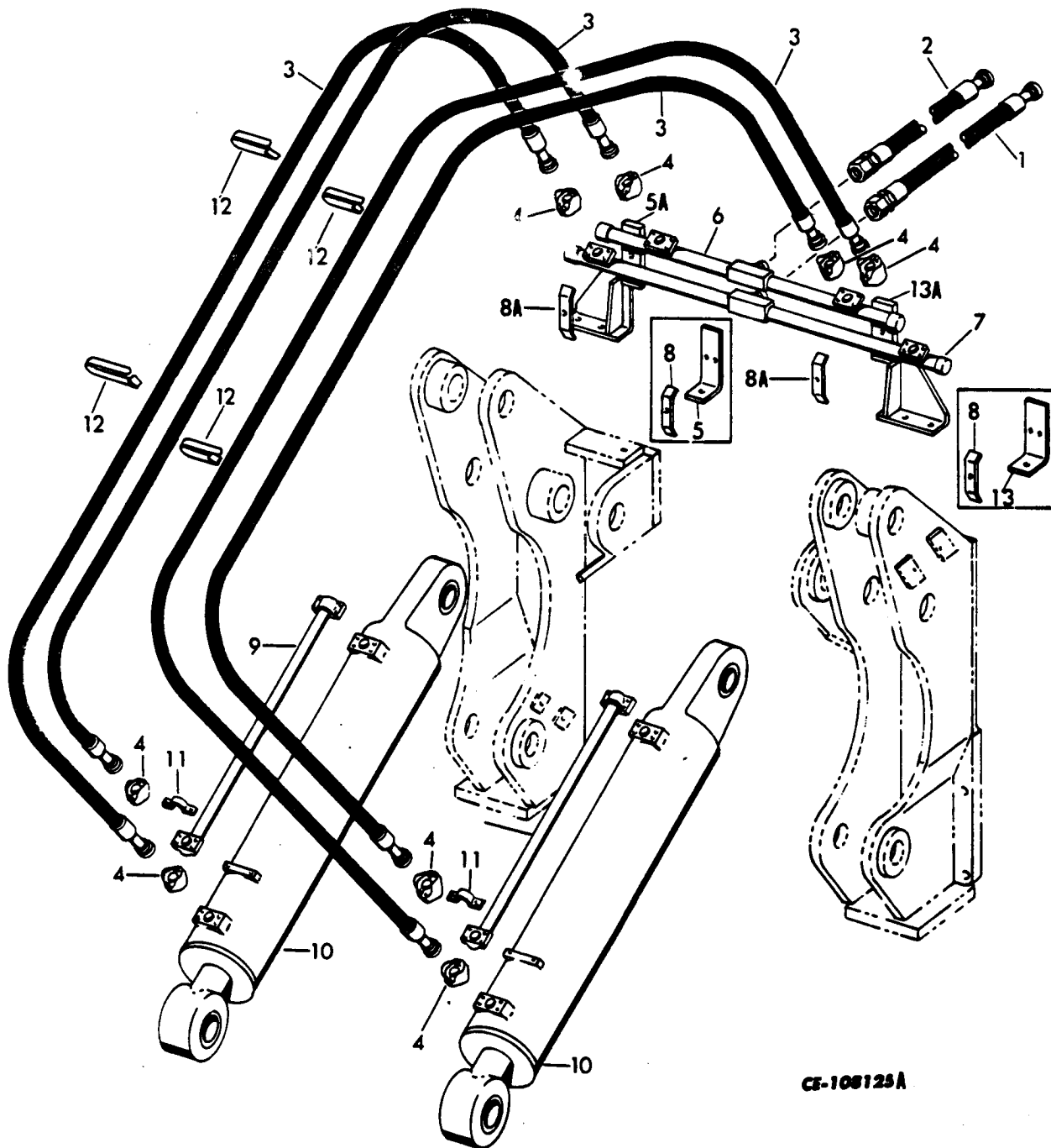
(x) - As Required.

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
RIPPER PIPING AND RELATED PARTS - Continued (With Pitch)			39	877 949 C2 343 906 R1	FLANGE HALF, split (4) "O" RING, 1-5/16 x 1-9/16 x 1/8" (2)
				24 621 R1 115 093	SCREW, hex-hd cap (8) WASHER, lock (8)
24	711 972 C1	HOSE, protector			
25	710 445 C1	HOSE w/FITTINGS, diverter valve to "S" port on selector valve (1/4"ID x 60" long including fittings)	40	710 448 C1	TUBE, bottom manifold to shuttle valve
			41	710 449 C1	TUBE, top manifold to shuttle valve
26	630 767 C1	HOSE, pressure (1"ID x 39" long including fittings) (2)	42	610 213 C91	STRAP, hose (under fuel tank) (3)
	343 906 R1	"O" RING, 1-5/16 x 1-9/16 x 1/8" (2)		17 024 R1	BALL, steel (Part of VALVE, 658 913 C91)
				364 885 R1	"O" RING (Part of VALVE, 658 913 C91)
27	283 172 R1 380 794 R1	FLANGE HALF, split (32) "O" RING, 1 x 1-1/4 x 1/8" (16)			
	140 483 H	SCREW, hex-hd cap, 3/8 x 1-1/4" (60)			
	24 843 R1	SCREW, hex-hd cap, 3/8 x 2" (4)			
	115 093	WASHER, lock (64)			
28	710 440 C1 380 794 R1 140 483 H	TUBE, pitch cylinder (2) "O" RING, 1 x 1-1/4 x 1/8" (2) SCREW, hex-hd cap (8)			
29	602 449 C1 24 839 R1 115 093	CLAMP, tube (2) SCREW, hex-hd cap (4) WASHER, lock (4)			
30		CYLINDER, ripper lift (Refer to "Ripper Lift Cylinder") (2)			
31	710 452 C1	HOSEw/FITTINGS, pitch (3/4"ID x 61" long including fittings) (4)			
32	327 273 R91	STRAP, hose (4)			
33	157 519 C1 364 839 R1	CONNECTOR, reducer "O" RING, 15/32 x 5/8 x 5/64"			
34	710 444 C1 343 906 R1 140 483 H	TUBE, pitch (head end) "O" RING, 1-5/16 x 1-9/16 x 1/8" SCREW, hex-hd cap (4)			
35	710 441 C1 343 906 R1 140 483 H	TUBE, lift (head end) "O" RING, 1-5/16 x 1-9/16 x 1/8" SCREW, hex-hd cap (4)			
36		CYLINDER, ripper pitch (Refer to "Ripper Pitch Cylinder") (2)			
37	710 453 C2	HOSE w/FITTINGS, lift (3/4"ID x 55" long including fittings) (4)			
38	710 442 C1 343 906 R1 140 483 H	TUBE, lift (rod end) "O" RING, 1-5/16 x 1-9/16 x 1/8" SCREW, hex-hd cap (4)			

HYDRAULICS

RIPPER PIPING AND RELATED PARTS (Without Pitch)



CF-108125A

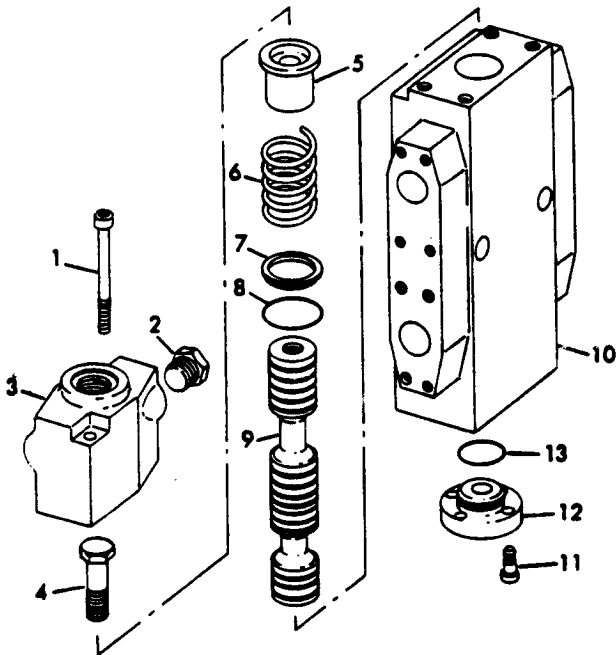
HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
RIPPER PIPING AND RELATED PARTS - Continued (Without Pitch)			13A	717 625 C1	BRACKET, RH tube support (Used w/FRAME, 717 668 C1)
				24 862 R1	BOLT (2)
				25 536 R1	WASHER, flat (2)
1	705 937 C1	HOSE w/FITTINGS, pressure (HOSE, 1" ID x 32" long including FITTINGS)			
	343 906 R1	"O" RING			
2	710 190 C1	HOSE w/FITTINGS, hydraulic lift (HOSE, 1" ID x 29" long including FITTINGS)			
	343 906 R1	"O" RING			
3	705 936 C1	HOSE w/FITTINGS, lift feed (HOSE, 3/4" ID x 64" long including FITTINGS) (4)			
4	283 172 R1	FLANGE, HALF, split (16)			
	380 794 R1	"O" RING (8)			
	24 843 R1	BOLT (4)			
	140 483 H	BOLT (28)			
5	705 934 C1	ANGLE, tube support (Used w/FRAME, 705 915 C2)			
	24 862 R1	BOLT			
	25 536 R1	WASHER, flat			
5A	717 624 C1	BRACKET, LH tube support (Used w/FRAME, 717 667 C1)			
	24 862 R1	BOLT (2)			
	25 536 R1	WASHER, flat (2)			
6	705 932 C1	TUBE, lift (head end)			
7	705 933 C1	TUBE, lift (rod end)			
8	605 605 C2	CLAMP, tube (2)			
	705 935 C1	BLOCK, spacer (2)			
	25 522 R1	NUT (2)			
	21 318 R1	SCREW, hex-hd cap (2)			
	115 093	WASHER, lock (2)			
	25 534 R1	WASHER, flat (2)			
8A	605 605 C2	CLAMP, tube (2)			
	705 935 C1	BLOCK, spacer (2)			
	24 843 R1	BOLT (2)			
	115 093	WASHER, lock (2)			
	25 534 R1	WASHER, flat (2)			
9	710 186 C1	TUBE, lift cylinder (2)			
	380 794 R1	"O" RING (2)			
	140 483 H	BOLT (4)			
	24 843 R1	BOLT (4)			
10		CYLINDER, hydraulic (Refer to "Ripper Lift Cylinder") (2)			
11	602 449 C1	CLAMP, tube (2)			
	24 839 R1	SCREW, hex-hd cap (4)			
	115 093	WASHER, lock (4)			
12	327 272 R91	STRAP, hose (4)			
13	705 934 R1	ANGLE, tube support (Used w/FRAME, 705 916 C2)			
	24 862 R1	BOLT			
	25 536 R1	WASHER, flat			

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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RIPPER DIVERTER VALVE
(Part of Ripper Pitch Attachment)



CS-112169

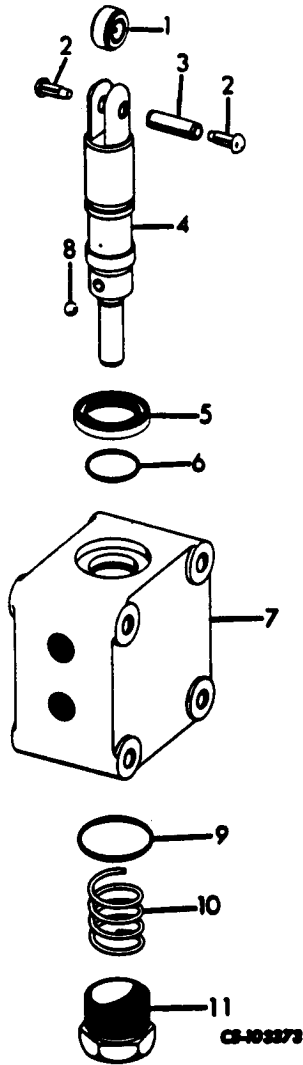
707	103 C91	VALVE, ripper diverter, assy.			
	25 526 R1	NUT (2)			
	24 868 R1	BOLT (2)			
	116 121	WASHER, lock (2)			
	25 546 R1	WASHER, flat (2)			
		(Consists of -			
1	23 683 R1	SCREW, socket-hd cap (2)			
2	9 410 358	PLUG			
3	634 886 C1	CAP, valve			
4	24 838 R1	SCREW, hex-hd cap			
5	634 883 C1	GUIDE, spring			
6	634 884 C1	SPRING			
7	634 885 C1	PLATE, retaining			
8	328 138 R1	"O" RING, 1-5/8 x 1-13/16 x 3/32"			
9		SPOOL (Not furnished separately)			
10		HOUSING (Not furnished separately)			
11	147 114	SCREW, socket-hd cap (4)			
12	634 887 C1	CAP, end			
13	610 547 C1	"O" RING, 7/8 x 1 x 1/16"			

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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RIPPER PITCH SELECTOR VALVE

6	252 707 R1	"O" RING
7		BODY, valve (Not furnished separately)
8	17 008 R1	BALL, 1/4 chrome steel (Replaces 16 008 R1)
9	368 269 R1	"O" RING
10	656 035 C1	SPRING
11	656 034 C1	PLUG



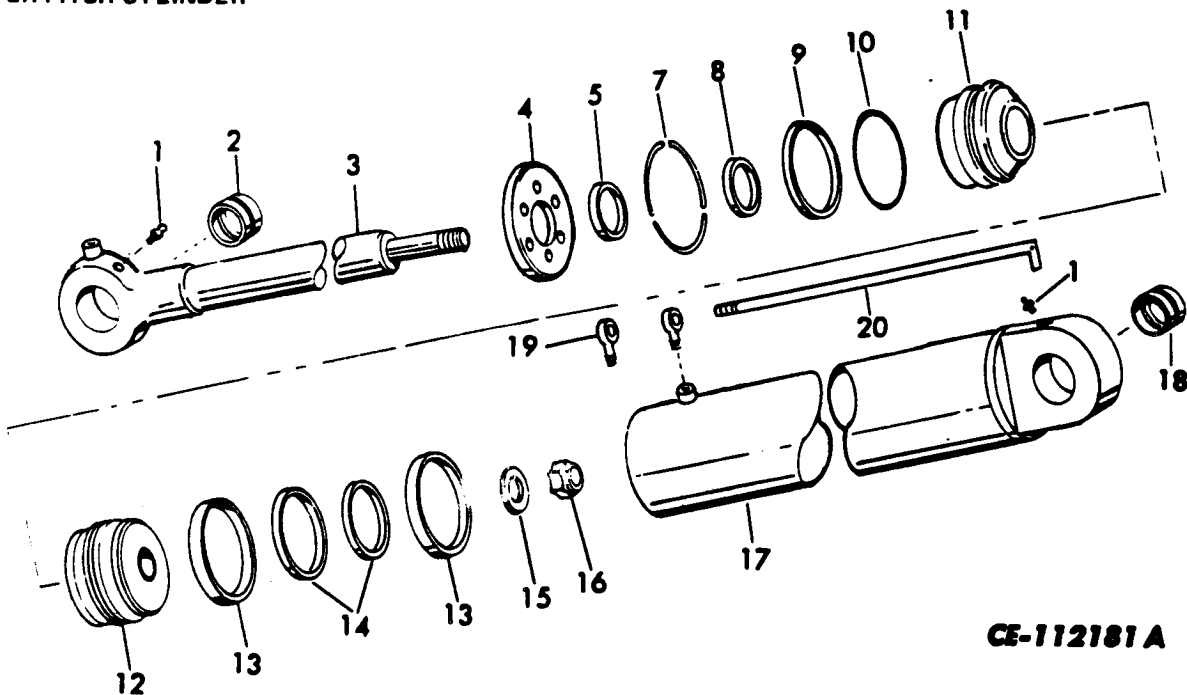
656 031 C91 VALVE, ripper pitch selector
 25 519 R1 NUT, hex (3)
 25 881 R1 SCREW, hex-hd cap (3)
 25 542 R1 WASHER, flat (3)
 115 109 WASHER, lock (3)
 (Consists of the following parts -

- 1 606 283 C91 BEARING
or
606 284 C91 BEARING
- 2 443 087 STUD, groove drive (2)
- 3 440 954 R1 PIN, slotted spring
- 4 SPOOL, valve (Not furnished separately)
- 5 367 808 R91 SEAL, radial shaft oil

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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RIPPER PITCH CYLINDER



CE-112181 A

	707 149 C91	CYLINDER ASSY., ripper pitch (2) (Consists of the following parts except Ref. 1, 19 and 20)			
1	109 461	FITTING, lubrication (Not part of CYLINDER ASSY.) (2)	14		SEAL, piston (Order PACKAGE, 679 332 C91)
2	705 922 C1	BUSHING	15	27 262 R1	WASHER, hardened
3	635 994 C91	ROD w/BUSHING, 705 922 C1	16	20 532 R1	NUT
4	666 204 C1 27 406 R1 25 536 R1	COVER, cylinder cap SCREW, hex-hd cap (6) WASHER, hardened (6)	17	707 068 C91	TUBE w/BUSHING, 705 922 C1, cylinder
5		SEAL, wiper (Order PACKAGE, 679 332 C91)	18	705 922 C1	BUSHING
7	147 872 H2	SEGMENT, lock ring (3)	19	629 756 C1	EYE, rod end (Not part of CYLINDER ASSY.) (2 used on RH cylinder only)
8		SEAL, piston rod (Order PACKAGE, 679 332 C91)		25 933 R1	NUT (2)
9	606 420 C1	RING, back-up (Also part of PACKAGE, 679 332 C91)	20	602 241 C1	ROD, indicator (Not part of CYLINDER ASSY.) (RH cylinder only)
10	343 945 R1	RING, sealing (Also part of PACKAGE, 679 332 C91)		25 932 R1 25 536 R1	NUT, jam (2) WASHER, hardened (2)
11	666 189 C1	CAP, cylinder			
12	666 193 C1	PISTON			
13		RING, piston wear (Order PACKAGE, 679 332 C91) (2)			

HYDRAULICS

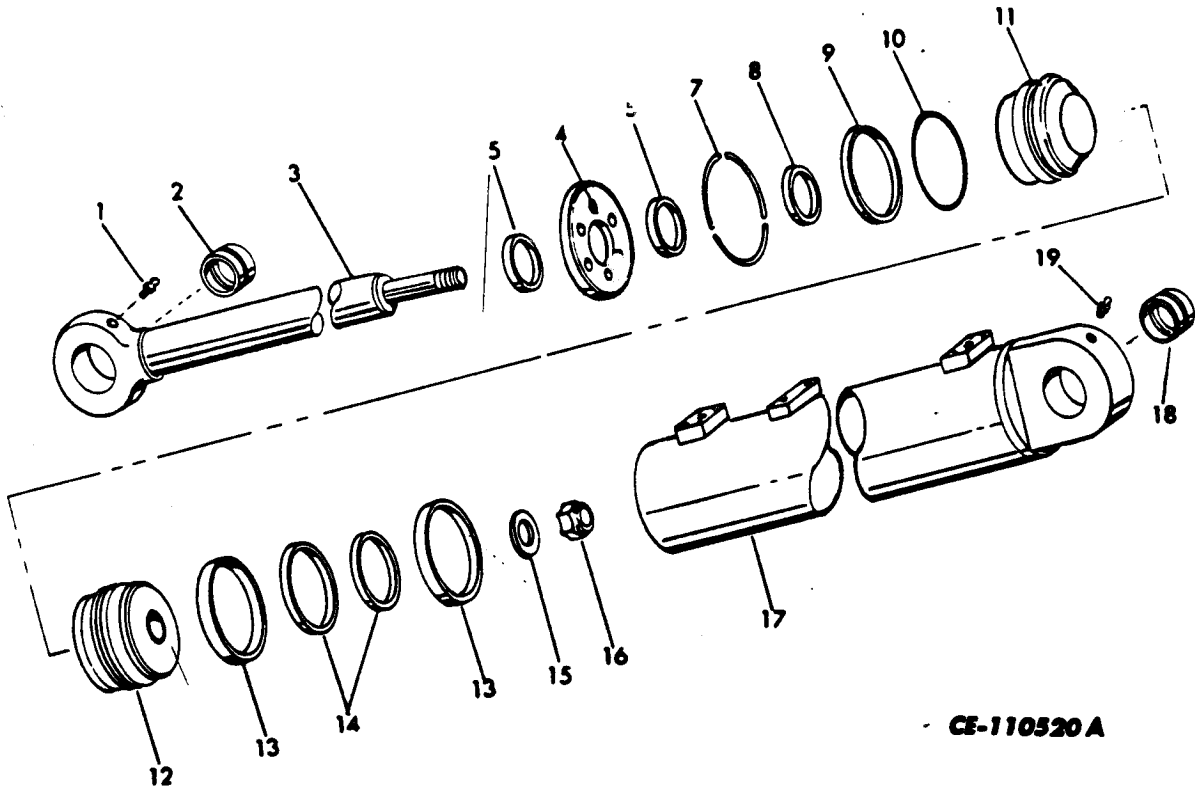
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
		RIPPER PITCH CYLINDER - Continued			
679 332 C91		PACKAGE, cylinder seal ring (Services one cylinder) (x)			
		(Consists of -			
		1 RING		343 945 R1	
		1 RING		606 420 C1	
		2 RING, wear		\$	
		2 SEAL, piston (1 used)		\$	
		1 SEAL, rod		\$	
		1 SEAL, wiper		\$)	

\$ - Not furnished separately.
(x) - As required.

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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RIPPER LIFT CYLINDER



- CE-110520 A

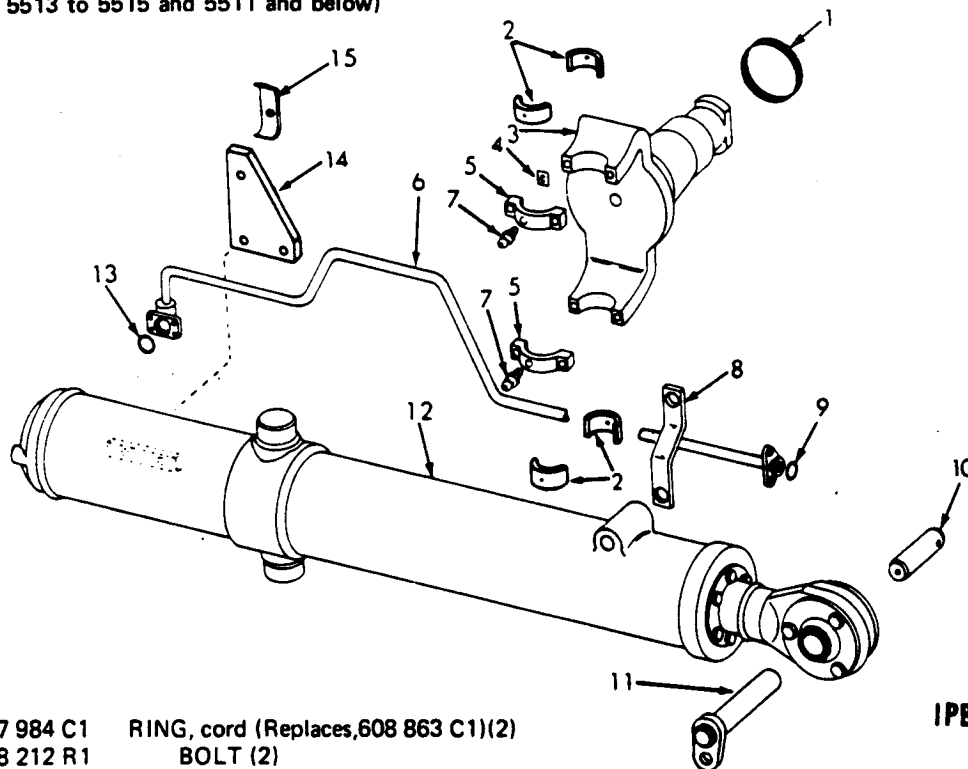
	666 171 C91	CYLINDER ASSY., ripper lift (2) (Consists of the following parts except Ref. Nos. 1 and 19)	13		RING, piston wear (Order PACKAGE, 636 232 C91) (2)
1	109 461	FITTING, lube (Not part of CYLINDER ASSEMBLY)	14		SEAL, piston (Order PACKAGE, 636 232 C91)
2	705 922 C1	BUSHING	15	27 262 R1	WASHER, flat hardened
3	632 641 C91	ROD w/BUSHING, 705 922 C1, piston	16	20 532 R1	NUT
4	666 208 C2 25 536 R1 25 536 R1	COVER, cylinder cap SCREW, hex-hd cap (6) WASHER, hardened (6)	17	635 033 C91	TUBE w/BUSHING, 705 922 C1, cylinder
5		SEAL, wiper (Order PACKAGE, 636 232 C91) (2)	18	705 922 C1	BUSHING
7	153 264 H2	SEGMENT, lock ring (3)	19	109 461	FITTING, lube (Not part of CYLINDER ASSEMBLY)
8		SEAL, piston rod (Order PACKAGE, 636 232 C91)		636 232 C92	PACKAGE, cylinder seal ring (Services one cylinder) (x) (Consists of -
9	606 418 C1	RING, back-up (Also part of PACKAGE, 636 232 C91)			1 RING 343 916 R1
10	343 916 R1	RING, sealing (Also part of PACKAGE, 636 232 C91)			1 RING 606 418 C1
11	666 211 C1	CAP, cylinder			\$ 2 RING, wear
12	666 212 C1	PISTON			\$ 1 SEAL, piston
					\$ 1 SEAL, rod
					\$ 2 SEAL, wiper

(x) - As Required.
\$ - Not Furnished Separately.

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BLADE LIFT CYLINDER MOUNTING
(5522 and 5513 to 5515 and 5511 and below)



1	717 984 C1 28 212 R1 19 910 R1 22 652 R1	RING, cord (Replaces,608 863 C1)(2) BOLT (2) NUT (2) WASHER, flat (4)			
2	618 436 C2	BEARING, yoke (Also part of PACKAGE, 679 215 C91) (8)	8	614 724 C1 275 635 R1 9 413 956	BAR, cylinder hanger (2) BOLT (2) NUT, stover lock (2)
3	701 979 C92	YOKE w/Four BEARING, 618 436 C2, Four BOLT, 24 893 R1 and bearing CAP (2)	9	343 905 R1	"O" RING (2)
4		SHIM, 0.005" (Part of PACKAGE, 679 215 C91) (x)	10	317 497 R1	PIN, cylinder mounting (For use with blade lift cylinder BRACKET, 700 731 C1 or "C" Frame lift cylinder BRACKET, 701 855 C1 and 701 856 C1) (2)
4		SHIM, 0.007" (Part of PACKAGE, 679 215 C91) (x)		275 635 R1 9 413 956	BOLT (2) NUT, stover lock (2)
4		SHIM, 0.010" (Part of PACKAGE, 679 215 C91) (x)	11	717 517 C1	PIN, cylinder mounting (For use with blade lift cylinder BRACKET, 717 514 C1 or "C" Frame lift cylinder BRACKET, 717 529 C1 and 717 530 C1) (2)
5		CAP, bearing (Order PACKAGE, 679 215 C91) (4)		24 871 R1 25 547 R1	BOLT (2) WASHER, flat (2)
	24 893 R1	BOLT (Also part of PACKAGE, 679 215 C91) (8)	12		CYLINDER ASSY., hydraulic lift (Refer to "Blade Hydraulic Lift Cylinders")
	25 538 R1	WASHER (Part of PACKAGE, 679 215 C91) (8)	13	343 921 R1	"O" RING (2)
6	701 713 C1	TUBE, cylinder rod end, LH	14	614 733 C1 24 860 R1 108 323	BRACKET, tube clamp (2) BOLT (4) WASHER, lock (4)
6	701 714 C1 140 483 H 25 506 R1 25 281 R1 103 321 103 323	TUBE, cylinder rod end, RH BOLT, 1-1/4" long (4) BOLT, 1-5/8" long (4) BOLT, 2-3/4" long (4) WASHER, 3/8" lock (4) WASHER, 1/2" lock (8)			
7	109 461	FITTING, lube (Also part of PACKAGE, 679 215 C91) (4)			(x) - As Required.

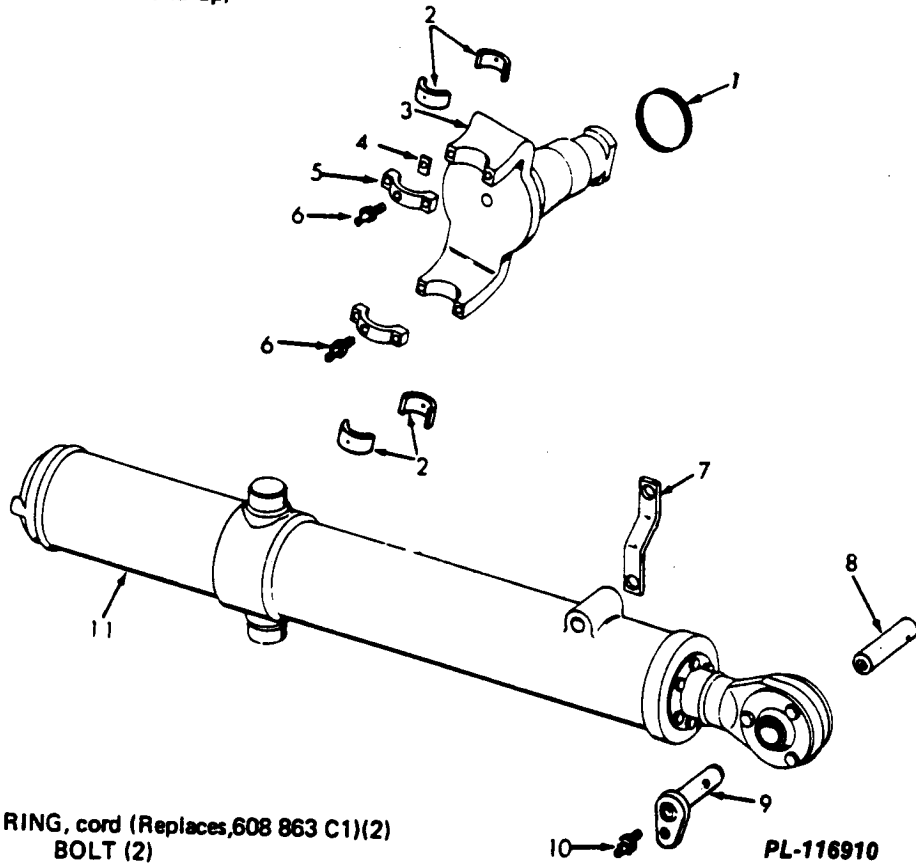
HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BLADE LIFT CYLINDER MOUNTING - Continued (5522 and 5513 to 5515 and 5511 and below)					
15	613 094 C1	CLAMP, tube (2)			
	24 866 R1	BOLT (2)			
	102 637	NUT (2)			
	103 323	WASHER, lock (2)			
	679 215 C91	PACKAGE, bearing cap service (Services one cap. Four required - for complete machine) (x) (Consists of -			
		2 BEARING	618 436 C2		
		2 BOLT	24 893 R1		
		1 CAP	\$		
		1 FITTING	109 461		
		1 DRAWING	CZG 3743		
		6 SHIM 0.005"	\$		
		4 SHIM 0.007"	\$		
		6 SHIM 0.010"	\$		
		2 WASHER	25 538 R1)		

(x) - As Required.
 (\$) - Not Furnished Separately.

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BLADE LIFT CYLINDER MOUNTING
(5512 and 5516 to 5521 and 5523 and up)



1	717 984 C1 28 212 R1 19 910 R1 22 652 R1	RING, cord (Replaces,608 863 C1)(2) BOLT (2) NUT (2) WASHER, flat (4)			
2	618 436 C2	BEARING, yoke (Also part of PACKAGE, 679 215 C91) (8)			
3	701 979 C92	YOKE w/four BEARING, 618 436 C2, four BOLT, 24 893 R1 and bearing CAP (2)			
4		SHIM, 0.005" (Part of PACKAGE, 679 215 C91) (x)			
4		SHIM, 0.007" (Part of PACKAGE, 679 215 C91) (x)			
4		SHIM, 0.010" (Part of PACKAGE, 679 215 C91) (x)			
5		CAP, bearing (Order PACKAGE, 679 215 C91) (4)			
	24 893 R1	BOLT (Also part of PACKAGE, 679 215 C91)(8)			
	25 538 R1	WASHER (Part of PACKAGE, 679 215 C91) (8)			
6	109 461	FITTING, lube (Also part of PACKAGE, 679 215 C91) (4)			
7	614 724 C1 275 635 R1 9 413 956	BAR, cylinder hanger (2) BOLT (2) NUT, stover lock (2)			
			8	317 497 R1	PIN, cylinder mounting (For use with lift cylinder rods with lube fitting and blade lift cylinder BRACKET, 700 731 C1 or "C" frame lift cylinder BRACKETS, 701 855 C1 and 701 856 C1) (2)
				275 635 R1 9 413 956	BOLT (2) NUT, stover lock (2)
			8	711 678 C2	PIN, cylinder mounting (For use with lift cylinder rods without lube fitting and blade lift cylinder BRACKET, 700 731 C1 or "C" frame lift cylinder BRACKETS, 701 855 C1 and 701 856 C1)(2)
				275 635 R1 9 413 956	BOLT (2) NUT, stover lock (2)
			9	717 517 C1	PIN, cylinder mounting (For use with blade lift cylinder BRACKET, 717 514 C1 or "C" frame lift cylinder BRACKETS, 717 529 C1 and 717 530 C1) (2)
				24 871 R1 25 547 R1	BOLT (2) WASHER, flat (2)
			10	109 461	FITTING, lube (Used with PIN, 711 678 C1 or PIN, 717 517 C1) (2)

(x) - As Required.

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BLADE LIFT CYLINDER MOUNTING - Continued
(5512 and 5516 to 5521 and 5523 and up)

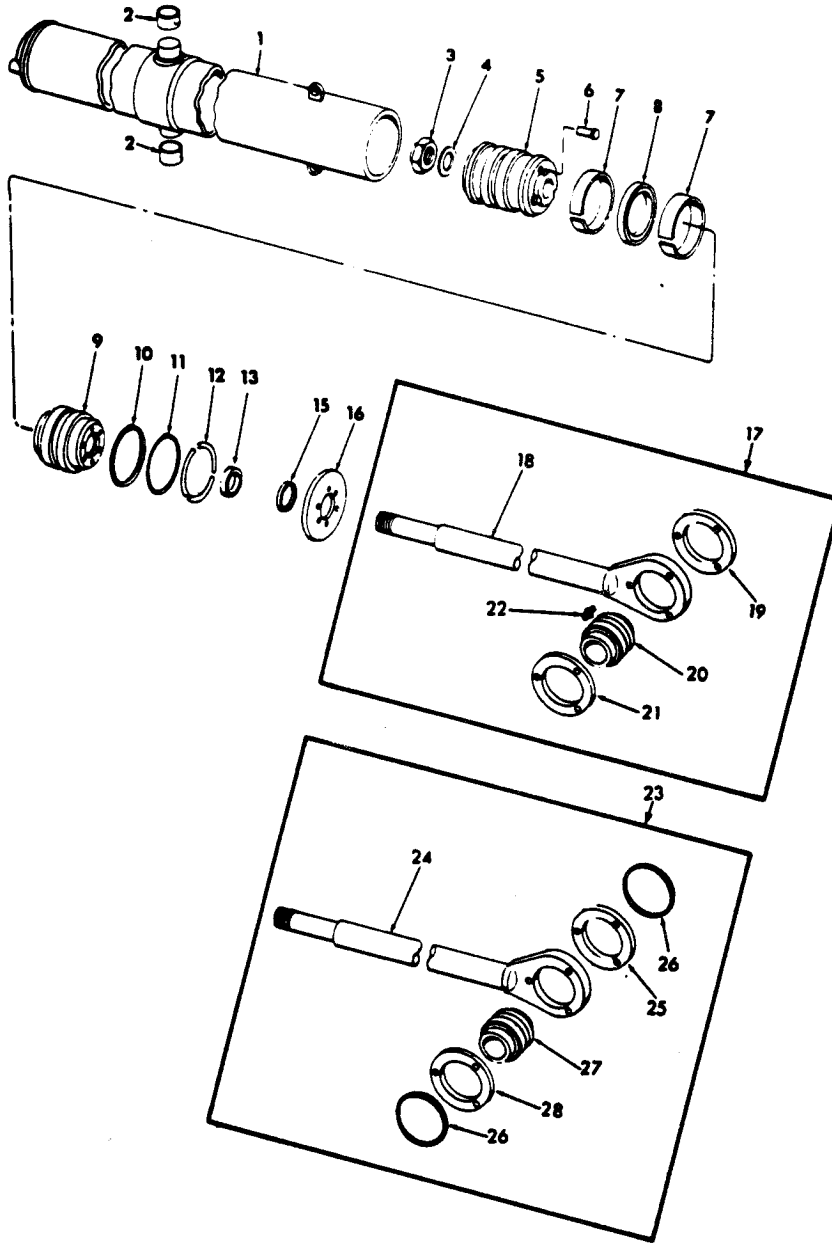
11		CYLINDER ASSY., hydraulic lift (Refer to "Blade Hydraulic Lift Cylinders")			
679 215 C91		PACKAGE, bearing cap service (Services one cap. Four required for complete machine((x) (Consists of -			
	2	BEARING	618 436 C2		
	2	BOLT	24 893 R1		
	1	CAP	\$		
	1	FITTING	109 461		
	1	DRAWING	CZG 3743		
	6	SHIM, 0.005"	\$		
	4	SHIM, 0.007"	\$		
	6	SHIM, 0.010"	\$		
	2	WASHER	25 538 R1)		

(x) - As Required.
(S) - Not Furnished Separately.

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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HYDRAULIC BLADE LIFT CYLINDER
(5512 and 5516 to 5521 and 5523 and up)



CE108798 C

- | | | | |
|---|---|---|---|
| A | 657 889 C91 CYLINDER ASSY, lift (2)
(Order the following parts -
1 CYLINDER 733 575 C92
1 PLATE 711 677 C1
1 PIN 711 678 C2
1 FITTING 109 461
1 PAMPHLET 1 128 014 R1) | B | 733 575 C92 CYLINDER ASSY, lift (2)
1 632 816 C92 TUBE w/two BUSHING, 618 425 C2, cylinder
2 618 425 C2 BUSHING (2) |
|---|---|---|---|

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC BLADE LIFT CYLINDER - Continued (5512 and 5516 to 5521 and 5523 and up)			25	711 798 C1	PLATE, locking (tapped) (Part of ROD, 733 576 C91) (Used w/blade lift cylinder BRACKET, 717 514 C1 or "C" frame lift cylinder BRACKETS, 717 529 C1 and 717 530 C1) (B)
3	20 513 R1	NUT, lock			
4	26 609 R1	WASHER, flat			
5	657 901 C1	PISTON	25	711 677 C1	PLATE, locking (tapped) Not part of ROD, 733 576 C91) (Used in place of PLATE, 711 798 C1 when used w/blade lift cylinder BRACKET, 700 731 C1 or "C" frame lift cylinder BRACKETS, 701 855 C1 and 701 856 C1) (B)
6	656 307 C1	POPPET, relief (6)			
7		RING, piston wear (Order PACKAGE, 636 146 C91) (2)			
8		RING, piston seal (Order PACKAGE, 636 146 C91)	26	733 814 C1	RING, sealing (2 for B)
9	657 900 C1	CAP, cylinder	27	711 790 C92	BEARING, rod (B)
10	336 620 R2	RING, back-up (Part of PACKAGE, 636 146 C91)	28	711 676 C1	PLATE, locking (plain) (B)
11	343 912 R1	RING, cap sealing (Part of PACKAGE, 636 146 C91)		25 281 R1	BOLT (3)
12	214 767 H2	SEGMENT, lock ring (3)		636 146 C91	PACKAGE, cylinder sealing ring (Services one cylinder) (x) (Consists of -
13		SEAL, rod (Order PACKAGE, 636 146 C91)			1 RING 336 620 R2 1 RING 143 912 R1 1 RING, piston seal \$ 2 RING, wear \$ 1 SEAL, rod \$ 1 SEAL, rod wiper \$)
15		WIPER, piston rod (Order PACKAGE, 636 146 C91)			
16	706 853 C1	COVER, cylinder			
	26 311 R1	BOLT (6)			
	25 534 R1	WASHER, flat (6)			
17	657 902 C91	ROD ASSY., piston (with lube fitting on rod eye) (A) (Order the following parts - 1 ROD 733 576 C91 1 PLATE 711 677 C1 1 PIN 711 678 C2 1 FITTING 109 461 1 PAMPHLET 1 128 014 R1)			
18		ROD, piston (Not Furnished Separately.) (A)			
19	317 498 R1	PLATE, locking (tapped) (A)			
20	319 947 R91	BEARING, rod (A)			
	OR				
20	321 581 R91	BEARING, rod (A)			
21	317 495 R1	PLATE, locking (plain) (A)			
	25 280 R1	BOLT (3)			
22	109 461	FITTING (A)			
23	733 576 C91	ROD ASSY., piston (without lube fitting on rod eye) (B)			
24		ROD, piston (Not Furnished Separately) (B)			

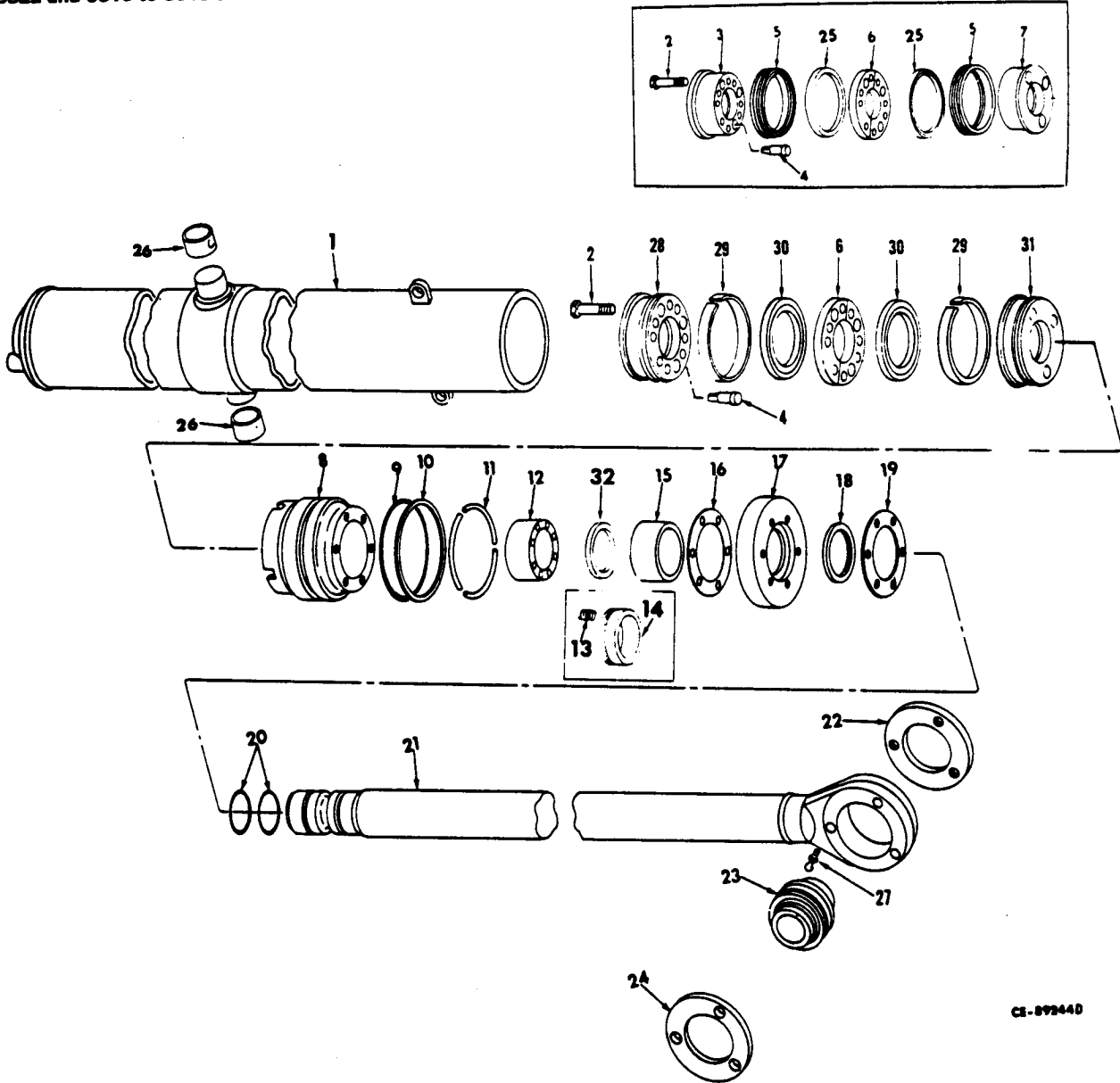
(x) - As Required.

\$ - Not Furnished Separately.

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BLADE HYDRAULIC LIFT CYLINDERS
(5522 and 5513 to 5515 and 5511 and below)



CS-892440

A	701 872 C92	CYLINDER, hydraulic lift (Order CYLINDER, 626 073 C92) (2) Manual Shift 1238 and below Power Shift 1238 and below	2	612 353 C1	BOLT, locking (8) WIRE, lock (Cut from bulk WIRE, 278 027 R1)
B	626 073 C92	CYLINDER, hydraulic lift (2) Manual Shift 1239 to 5511, 5513 to 5515 and 5522 Power Shift 1239 to 5511, 5513 to 5515 and 5522	3	618 428 C1	HALF-REAR, piston (Cylinder A) (Order the following - 1 PISTON 626 066 C1 1 PISTON 626 067 C1 1 PACKAGE 636 147 C91
1	701 871 C91	TUBE, w/two BUSHING, 618 425 C1, cylinder			

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BLADE HYDRAULIC LIFT CYLINDERS — Continued (5522 and 5513 to 5515, and 5511 and below)			23	321 581 R91	BEARING, rod (Optional with 319 947 R1) (2)
4	618 430 C2	POPPET, relief (6)	24	317 495 R1 275 635 R1	PLATE, locking (Plain) (2) SCREW, hex-hd cap (6)
5	702 744 C1	PACKING, piston (Cylinder A) (See NOTE) (2)	25	619 079 C1	ADAPTER, female (Cylinder A) (See NOTE) (2)
6	618 429 C1	PLATE, piston locking	26	618 425 C2	BUSHING (4)
7	618 427 C1	HALF-FRONT, piston (Cylinder A) (Order the following - 1 PISTON 626 066 C1 1 PISTON 626 067 C1 1 PACKAGE 636 147 C91	27	109 461	FITTING
8	618 432 C1	CAP, cylinder	28	626 067 C1	HALF-REAR, piston (Cylinder B)
9	336 620 R2	RING, back-up (Part of PACKAGE, 636 147 C91)	29		RING, piston wear (Cylinder B) (Order PACKAGE, 636 147 C91 (2)
10	343 912 R1	"O" RING (5 x 5-1/2 x 1/4") (Part of PACKAGE, 636 147 C91)	30		RING, piston seal (Cylinder B) (Order PACKAGE, 636 147 C91 (2)
11	214 767 H1	SEGMENT, lock ring (3)	31	626 066 C1	HALF-FRONT, piston (Cylinder B)
12	605 120 C1	GUIDE, spring	32		SEAL, piston rod (Will work for PACKING, 605 119 C91, and SPRING, 327 027 R1) (Order PACKAGE, 636 147 C91)
13	327 027 R1	SPRING (Optional with 147 912 H1) (Used w/PACKING, 605 119 C91) (10)		278 027 R1 636 147 C91	WIRE, locking (Bulk) (x) PACKAGE, cylinder seal ring (Services one cylinder (x) (Consists of - 1 GASKET 614 720 C 2 "O" RING 21 255 R 1 "O" RING 343 912 R 1 RING 336 620 R § 2 RING, piston seal piston seal § 2 RING, piston wear (Use w/PISTON, 626 066 C1 and 626 067 C1) § 1 SEAL, pis piston rod § 1 WIPER, piston rod
13	147 912 H1	SPRING (Optional with 327 027 R1) (Used w/PACKING, 605 119 C91) (10)			
14	605 119 C91	PACKING, piston rod (Order PACKAGE, 636 147 C91)			
15	332 816 R1	BUSHING, piston rod			
16	614 720 C1	GASKET, cover (Part of PACKAGE, 636 147 C91)			
17	614 718 C1	COVER, cylinder			
18		WIPER, piston rod (Order PACKAGE, 636 147 C91)			
19	614 719 C1 354 921 R1 103 321	PLATE, retaining SCREW, hex-hd cap (6) WASHER, lock (6)			
20	21 255 R1	"O" RING (Part of PACKAGE, 636 147 C91) (2)			
21	623 288 C1	ROD, piston (Replaces ASSY., 623 290 C91)			
22	317 496 R1	PLATE, locking (Tapped) (2)			
23	319 947 R91	BEARING, rod (Optional with 321 581 R91) (2)			

§ - Not Furnished Separately.

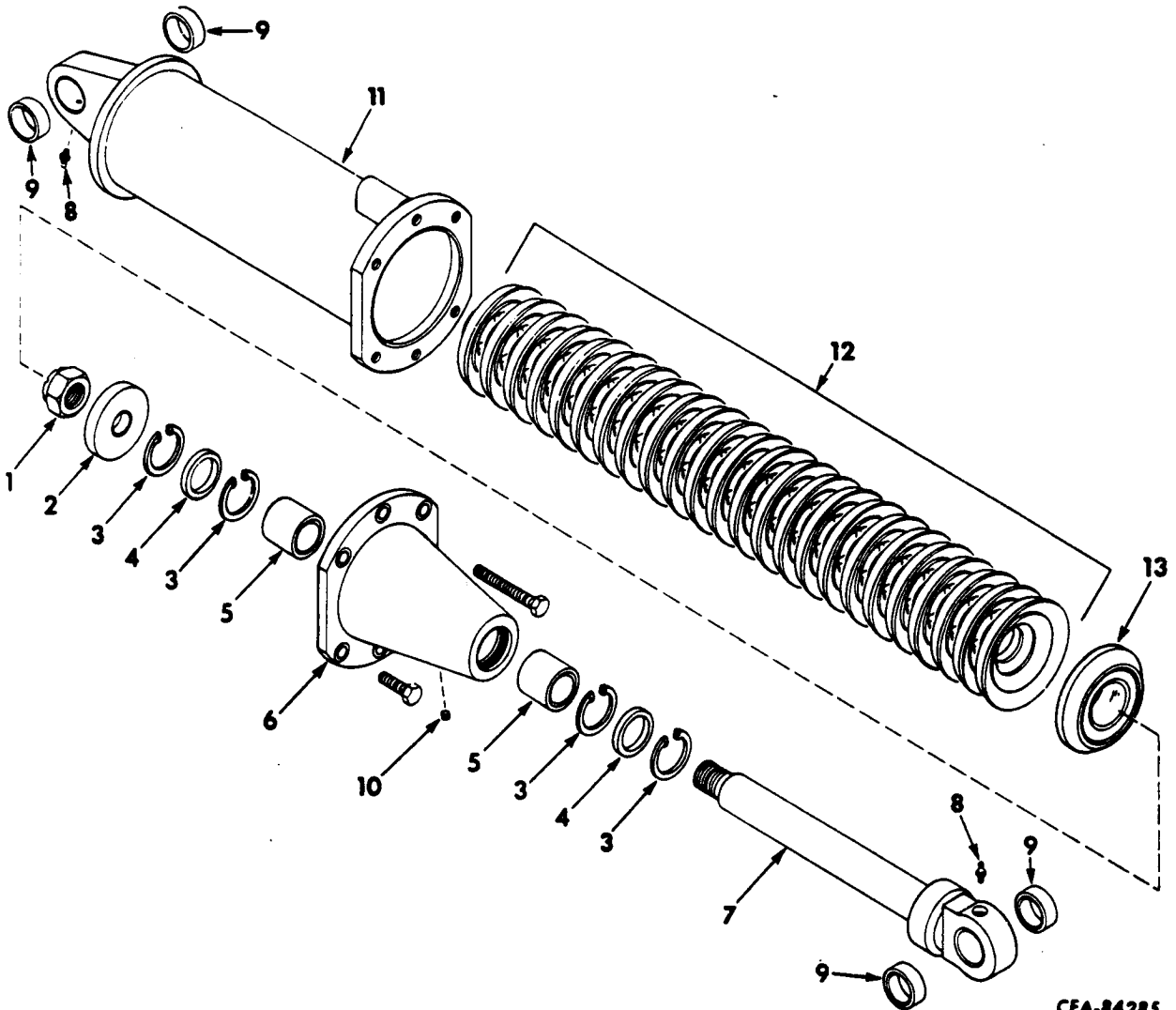
(x) - As Required.

NOTE: Letter "H" must be stamp on Adapter. When Adapter is not stamped with letter "H," order new ADAPTER, 619 079 C1 and PACKING, 702 744 C1.

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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CUSHION DOZER CUSHION CYLINDER



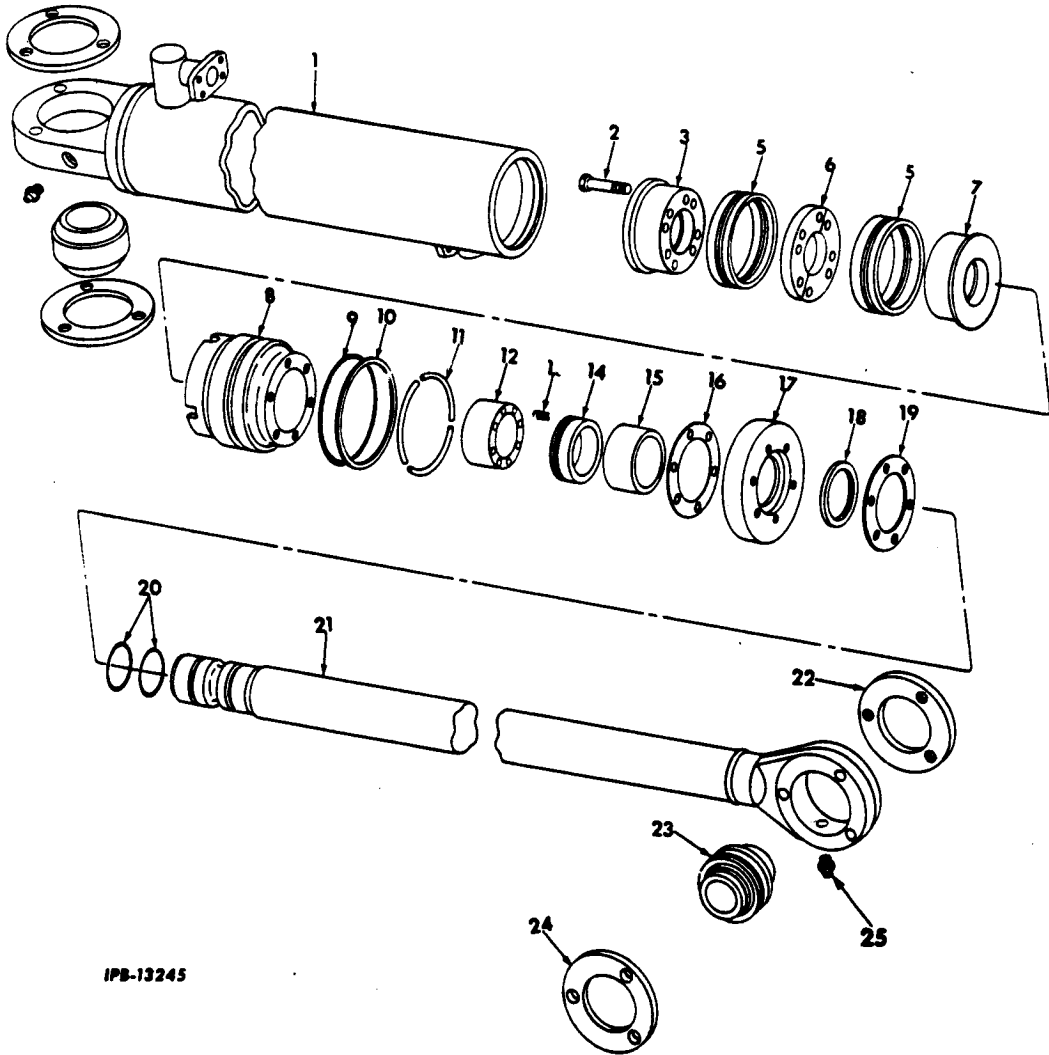
CEA-84285

	611 550 C91	CYLINDER ASSY., cushion (2) (Consists of -		8	109 461	FITTING, lubrication (2)
1	19 889 R1	NUT, 2-12 ESNA stop		9	611 556 C1	BUSHING (4)
2	611 558 C1	PLATE, thrust		10	103 883	PLUG, slit-hdls. pipe
3	267 743 C1	RING, snap (4)		11	611 551 C91	HEAD, w/two BUSHING, 611 556 C1, cylinder
4	290 061 R91	SEAL, oil (2)		12	611 557 C91	DISC, rubber spring (24)
5	610 435 C1	BEARING (2)		13	611 559 C1	SUPPORT, disc
6	611 560 C1	HOUSING, bearing			611 546 C1	PIN, cushion cylinder
	65 199 D	BOLT, 6" hex-hd (2)			104 942	PLUG, No. 6 cork
	24 889 R1	SCREW, 2-1/4", hex-hd cap (4)			24 881 R1	SCREW, hex-hd cap
7	611 562 C91	ROD, w/two BUSHING, 611 556 C1			9 413 960	NUT, stover lock

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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CUSHION DOZER LIFT HYDRAULIC CYLINDER



IPB-13245

	701 702 C91	CYLINDER, lift hydraulic (Consists of the following parts -		9	606 420 C1 RING, back-up
1		CYLINDER (Not furnished separately)		10	343 945 R1 "O" RING
2	618 114 C1 278 026 R1	BOLT, locking (8) WIRE, lock		11	147 872 H1 SEGMENT, lock ring (3)
3	618 115 C1	HALF, piston (plain)		12	605 120 C1 BUSHING, spring guide
5	176 449 H3	PACKING, piston (2)		13	327 027 R1 SPRING
6	618 116 C1	PLATE, piston locking		14	605 119 C91 PACKING, rod
7	618 117 C1	HALF, piston (tapped)		15	332 816 R1 BUSHING, rod
8	618 118 C1	CAP, cylinder		16	174 953 H2 GASKET, cover
				17	618 119 C1 COVER, cylinder cap

HYDRAULICS

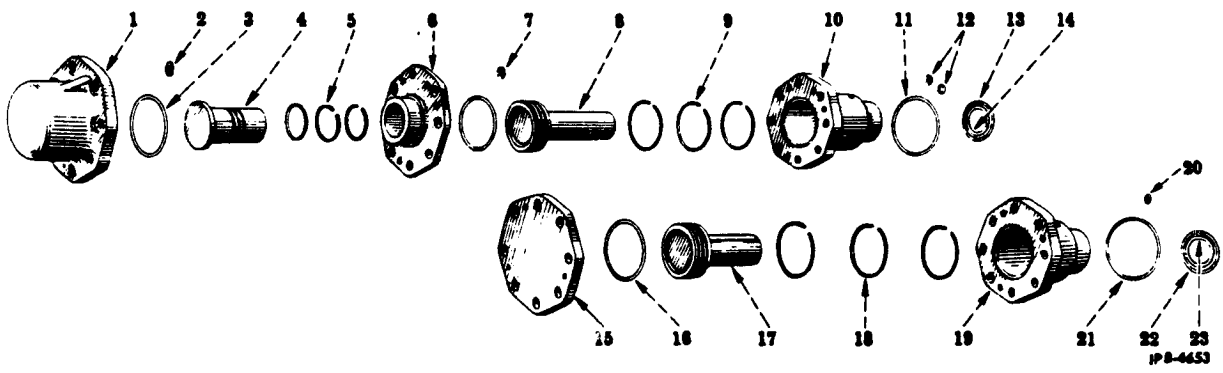
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CUSHION DOZER LIFT HYDRAULIC CYLINDER -					
Continued					
18	319 384 R91	WIPER, piston rod			
19	618 120 C1	PLATE, retaining			
	364 257 R1	BOLT (6)			
	103 323	WASHER, lock (6)			
20	22 449 R1	"O" RING (2)			
21	623 291 C91	ROD, piston			
		(Composed of -			
		1 BEARING	327 395 R91		
		3 BOLT	179 893		
		1 FITTING	109 461		
		1 PLATE	317 495 R1		
		1 PLATE	317 496 R1		
		1 ROD			
22	317 496 R1	PLATE, locking (tapped)			
23	327 395 R91	BEARING, rod			
24	317 495 R1	PLATE, locking (plain)			
25	109 461	FITTING, lubrication			

§ - Not Furnished Separately.

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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HIGH AND LOW PIVOT BRAKE CONTROL CYLINDER

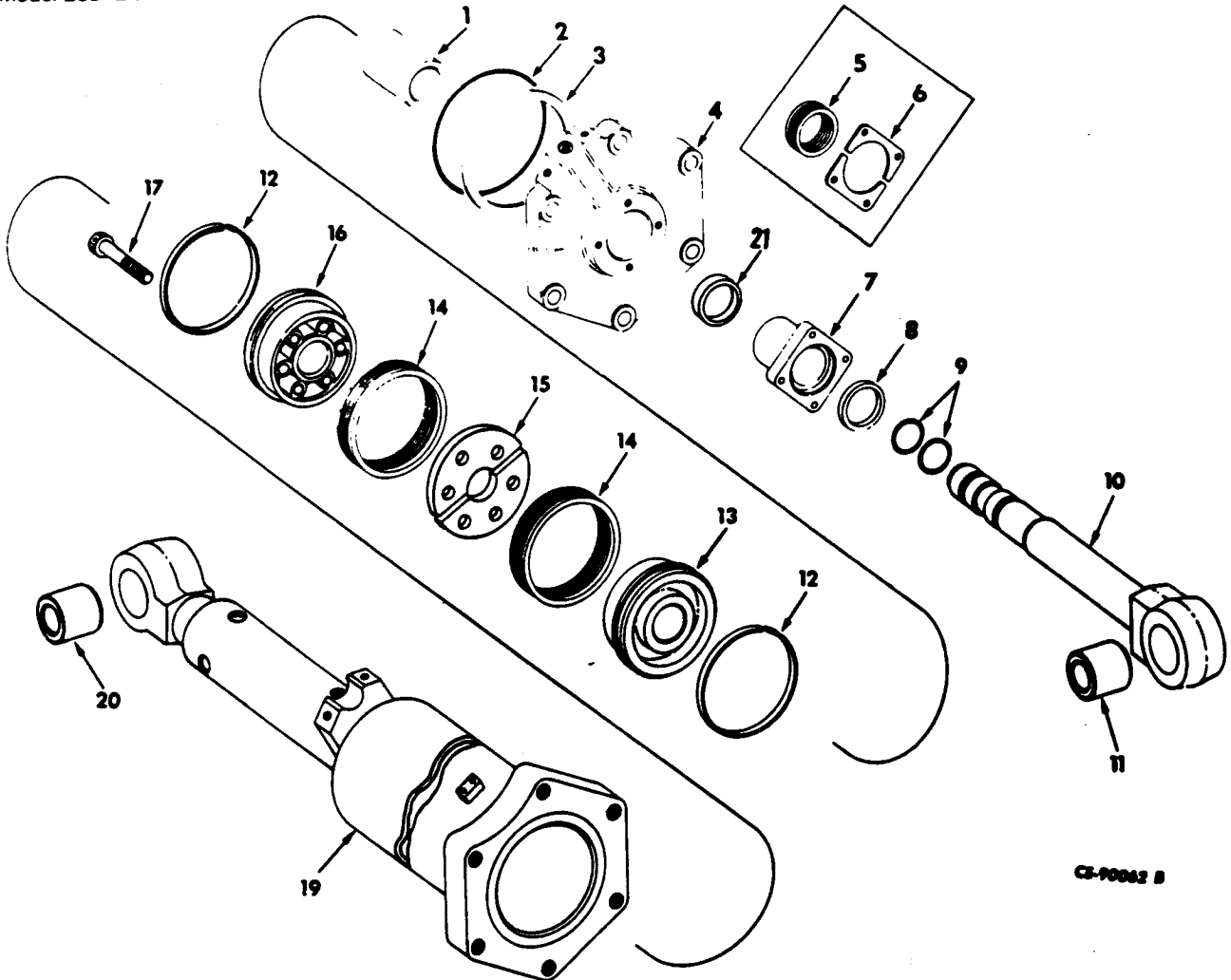


1	259 255 R3 275 635 R1 24 869 R1 116 121	HEAD, high-range release cylinder (2) SCREW, 3" long hex-hd cap (14) SCREW, 4-1/2" long hex-hd cap (2) WASHER, lock (16)	19	259 256 R1 117 295	CYLINDER, pivot brake (2) SCREW, slt-fil-hd (6)
2	3 067 183 R1	"O" RING, high-range release cylinder head port (2)	20	3 067 183 R1	"O" RING, pivot brake cylinder port (2)
3	347 100 R1	"O" RING, high-range release cylinder (4)	21	26 951 R1	"O" RING, pivot brake cylinder (large) (2)
4	259 253 R1	PISTON, high-range release (2)	22	259 771 R1	"O" RING, pivot brake piston (2)
5	259 254 R1	RING, high-range release piston (6)	23	24 704 R1	"O" RING, pivot brake cylinder (small) (2)
6	259 251 R1	CYLINDER, high-range release (2)		259 391 R91	CYLINDER ASSY, high and low-range release (2) (Composed of -
7	3 067 183 R1	"O" RING, high-range release cylinder port (2)		1 CYLINDER	259 245 R1
8	259 248 R1	PISTON, low range (2)		1 CYLINDER	259 251 R1
9	259 249 R1	RING, low-range piston (6)		1 HEAD	259 255 R3
10	259 245 R1 117 297	CYLINDER, low range (2) SCREW, slt-fil-hd (6)		4 "O" RING	3 067 183 R1
11	26 951 R1	"O" RING, low-range cylinder (large) (2)		2 "O" RING	347 100 R1
12	3 067 183 R1	"O" RING, low-range cylinder port (4)		1 "O" RING	26 951 R1
13	259 771 R1	"O" RING, low-range piston (2)		1 "O" RING	259 771 R1
14	24 704 R1	"O" RING, low-range cylinder (small) (2)		1 "O" RING	24 704 R1
15	259 258 R1 24 866 R1 116 121	HEAD, pivot brake cylinder (2) SCREW, hex-hd cap (16) WASHER, lock (16)		1 PISTON	259 248 R1
16	347 100 R1	"O" RING, pivot brake cylinder head (2)		1 PISTON	259 253 R1
17	259 257 R1	PISTON, pivot brake (2)		3 RING	259 249 R1
18	259 249 R1	RING, pivot brake piston (6)		3 RING	259 254 R1)
				259 392 R91	CYLINDER ASSY, pivot brake (2) (Composed of -
				1 CYLINDER	259 256 R1
				1 HEAD	259 258 R1
				1 "O" RING	3 067 183 R1
				1 "O" RING	347 100 R1
				1 "O" RING	26 951 R1
				1 "O" RING	259 771 R1
				1 "O" RING	24 704 R1
				1 PISTON	259 257 R1
				3 RING	259 249 R1
				259 409 R91	PACKAGE, pivot brake cylinder "O" RING field service (Consists of - 10 "O" RINGS)

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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HYDRAULIC TILT CYLINDER (Model 25D-2 and 25D-3)



	700 878 C92	CYLINDER ASSY, tilt (Order CYLINDER, 658 657 C91, GUARD, 707 129 C1, two ELBOW 9 410 978, two HOSE 711 804 C1) (Consists of -		6	317 228 R1	SHIM, packing (Order PACKAGE, 636 233 C91) (32)
1	319 379 R1	SPACER, tube		7	319 383 R1 24 864 R1 116 121	GLAND, cylinder cap SCREW, hex-hd cap (4) WASHER, lock (4)
2	22 401 R1	RING, cap sealing (Part of PACKAGE, 636 233 C91)		8		SEAL, rod wiper (Order PACKAGE, 636 233 C91)
3	606 417 C1	RING, back-up (Part of PACKAGE, 636 233 C91)		9	343 910 R1	"O" RING (Part of PACKAGE, 636 233 C91) (2)
4	319 382 R1 9 410 359 570 828 R1 25 777 R1	CAP, cylinder PLUG, "O" ring port "O" RING SCREW, hex-hd cap (6)		10	319 295 R91	ROD, w/BUSHING, 319 286 R1, piston
5	319 380 R91	PACKING, piston rod chevron (Order PACKAGE, 636 233 C91)		11	319 286 R1	BUSHING, piston rod
				12		RING, piston wear (Order PACKAGE, 636 233 C91) (2)
				13	332 776 R1	PISTON, split front

HYDRAULICS

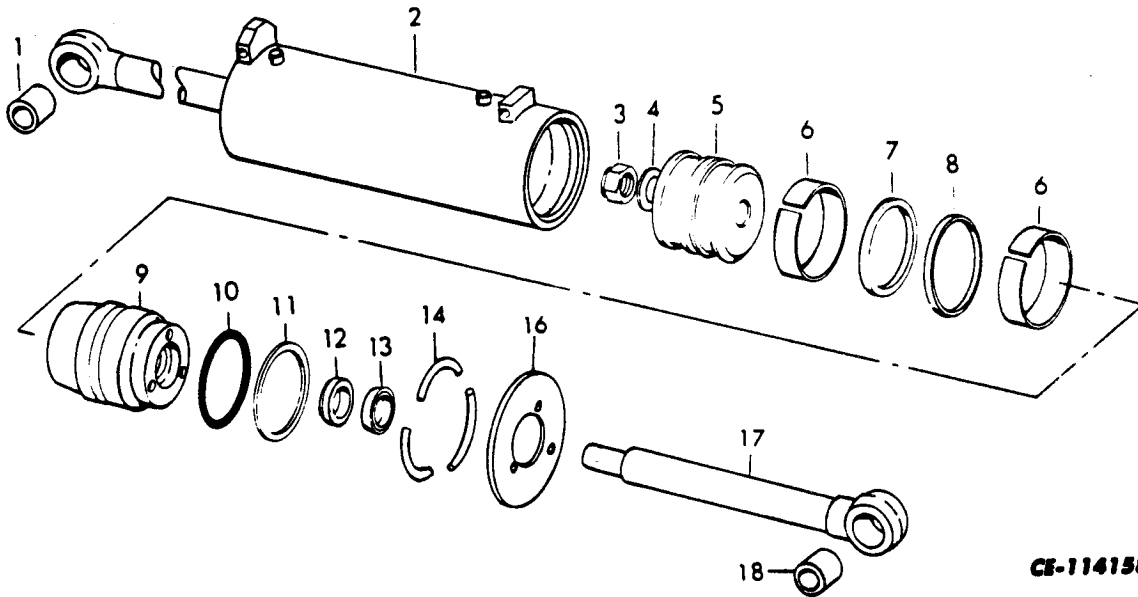
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC TILT CYLINDER - Continued (Model 25D-2 and 25D-3)					
14		PACKING, piston (Order PACKAGE, 636 233 C91) (2)			
15	319 376 R2	RING, lock (split ring) (matched set)			
16	332 777 R1	PISTON, split rear			
17	25 754 R1 25 538 R1	BOLT (6) WASHER (6)			
19	700 881 C91	HOUSING, w/BUSHING, 319 286 R1, cylinder (Order CYLINDER 658 657 C91, GUARD 707 129 C1, two ELBOW, 9 410 978, two HOSE, 711 804 C1)			
20	319 286 R1	BUSHING, cylinder housing			
21		SEAL, piston rod (Will work for PACKING, 319 380 R91, and SHIM, 317 228 R1) (Order PACKAGE, 636 233 C91)			
	636 233 C91	PACKAGE, cylinder sealing (Consists of - 1 "O" RING 22 401 R1 2 "O" RING 343 910 R1 § 2 PACKING, piston 1 RING 606 417 C1 § 2 RING, wear § 1 SEAL, rod § 1 SEAL, rod wiper)			

§ - Not Furnished Separately.

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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HYDRAULIC TILT CYLINDER
(Model 25D-2 and 25D-3)



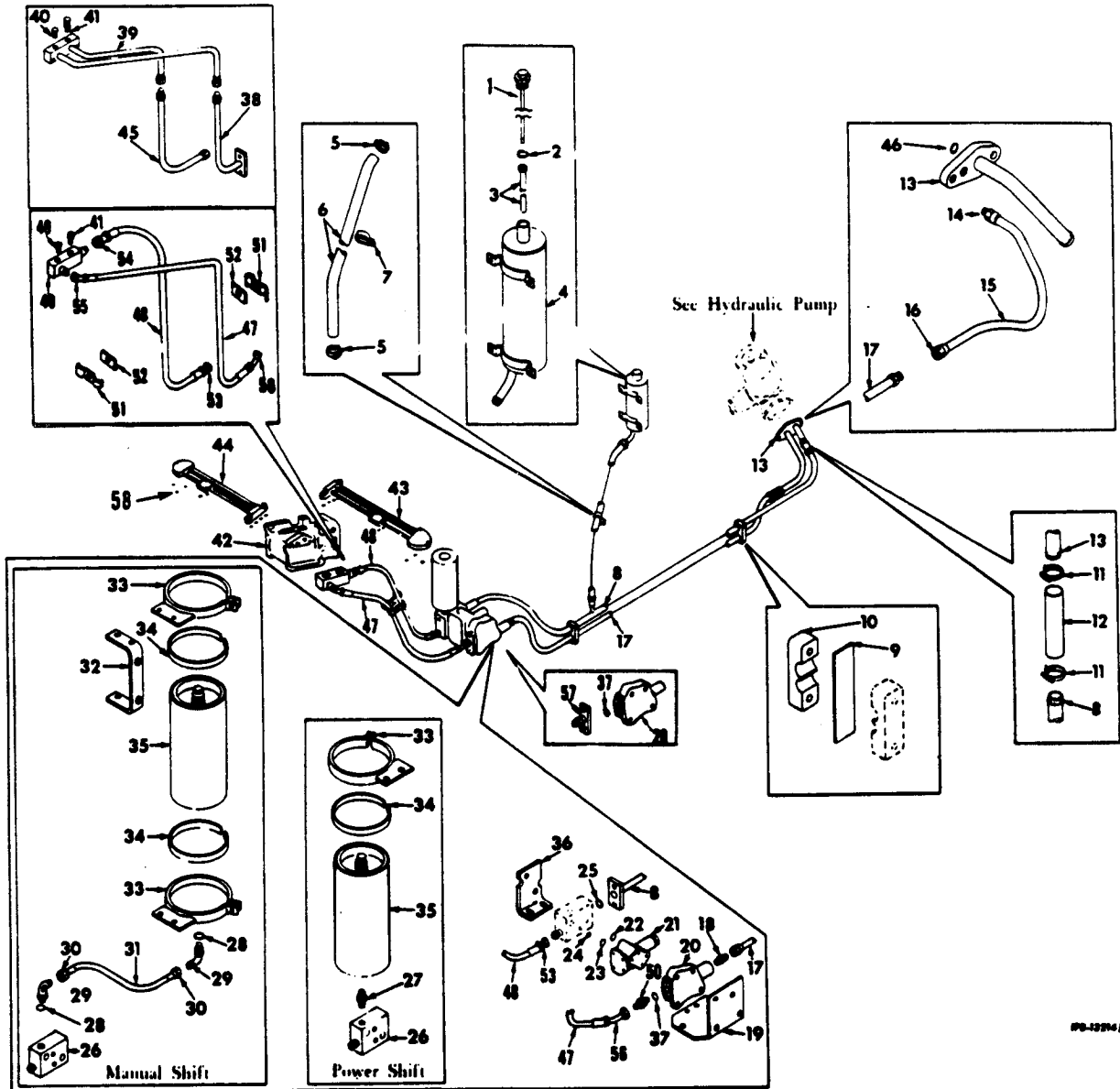
	658 657 C91	CYLINDER ASSY, tilt (Consists of -		14	191 304 H2	RING, segment lock (3)
1	319 286 R1	BUSHING		16	933 270 C1 27 406 R1 25 536 R1	COVER, cylinder BOLT (6) WASHER (6)
2	635 399 C91	HOUSING w/BUSHING, 319 286 R1 cylinder		17	658 666 C91	ROD w/BUSHING, 319 286 R1 cylinder
3	20 532 R1	NUT		18	319 286 R1	BUSHING
4	27 262 R1	WASHER, flat			636 234 C91	PACKAGE, cylinder seal ring (Consists of -
5	658 669 C1	PISTON				§ 1 SEAL, rod wiper
6		RING, wear (Order PACKAGE, 636 234 C91) (2)				§ 1 SEAL, rod
7		SEAL, piston ring (Order PACKAGE, 636 234 C91)				1 RING, sealing 343 917 R1
8		NOT NEEDED				1 RING, back up 658 673 C1
9	658 668 C1	CAP				§ 2 RING, wear
10	343 917 R1	RING, sealing				§ 1 SEAL, piston ring inner)
11	658 673 C1	RING, back up (Part of PACKAGE, 636 234 C91)				
12		SEAL, rod (Order PACKAGE, 636 234 C91)				
13		SEAL, rod wiper (Order PACKAGE, 636 234 C91)				§ - Not Furnished Separately.

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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HYDRAULIC STEERING LINES AND CONNECTIONS

Power Shift 2037 and Below
Manual Shift 2037 and Below



<p>1 624 686 C1 PLUG, hydraulic reservoir tank filler neck (Will work for PLUG, 331 271 R1)</p> <p>2 275 022 R1 GASKET, hydraulic reservoir tank filler neck</p> <p>3 322 779 R91 SCREEN, hydraulic reservoir tank filler</p>	<p>4 703 016 C1 TANK, reservoir</p> <p>24 840 R1 SCREW, 1" long hex-hd cap (2)</p> <p>24 843 R1 SCREW, 2" long hex-hd cap (2)</p> <p>115 093 WASHER, lock (4)</p> <p>25 522 R1 NUT (4)</p> <p>143 162 PLUG, sq-soc hd pipe</p> <p>655 543 R1 SPACER, reservoir tank (2)</p>
<p>5 274 086 R91 CLAMP, reservoir to suction line hose (2)</p>	

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC STEERING LINES AND CONNECTIONS - Continued			22		"O" RING, regulator hose packing (Order PACKAGE, 322 163 R91, or 322 166 R91)
Power Shift 2037 and Below			23		"O" RING, regulator housing packing (Order PACKAGE, 332 163 R91, or 322 166 R91)
Manual Shift 2037 and Below			24		"O" RING, regulator housing packing (Order PACKAGE, 322 163 R91, or 322 166 R91)
6	617 596 C1	HOSE, reservoir to suction line	25	372 821 R1	"O" RING, accumulator to pump suction line
7	308 872 R1	CLAMP, reservoir to return line hose	26	700 448 C1	MANIFOLD, hydraulic return
	25 526 R1	NUT	27	9 410 205	CONNECTOR, tube accumulator to regulator (For Power Shift)
	24 861 R1	SCREW, hex-hd cap	28	368 269 R1	"O" RING, accumulator elbow (For Manual Shift) (2)
	116 121	WASHER, lock	29	9 410 979	ELBOW, accumulator (For Manual Shift) (2)
	103 343	WASHER, flat	30		FITTING (Order HOSE, 702 171 C1) (For Manual Shift) (2)
8	700 458 C1	TUBE, accumulator to hose suction	31	702 171 C1	HOSE, w/two FITTING, accumulator tube (HOSE, 5/8 ID x 16" long, including FITTINGS) (For Manual Shift)
	628 367 C1	SCREW, flanged hex-hd cap (2)	32	700 461 C1	BRACKET, accumulator mounting (For Manual Shift)
	115 314	WASHER, lock (2)		24 876 R1	SCREW, hex-hd cap (2)
9	256 921 R1	PAD, hydraulic manifold clip	33	700 449 C1	BAND, accumulator mounting Manual Shift 1515 and below (2) Power Shift 1513 and below (1)
10	617 509 C1	CLAMP, tube (2)	33	624 799 C1	BAND, accumulator mounting Manual Shift 1516 and up (2) Power Shift 1514 and up (1)
	24 864 R1	SCREW, hex-hd cap (4)		25 522 R1	NUT (two for Manual Shift, one for Power Shift)
	116 121	WASHER, lock (3)		140 483 H	SCREW, 1-1/4" long, hex-hd cap (two for Manual Shift, one for Power Shift)
	178 591	WASHER, int-ext tooth lock (2)		25 274 R1	SCREW, 1-1/8" long, hex-hd cap (two for Manual Shift)
11	274 086 R91	CLAMP, suction tube hose (2)		24 868 R1	SCREW, 4" long, hex-hd cap (two for Manual Shift)
12	259 337 R3	HOSE, suction tube		25 690 R1	SCREW, 8" long, hex-hd cap (two for Power Shift)
13	700 459 C1	TUBE, pump to hose suction		526 488 R1	SPACER, accumulator mounting band (two for Manual Shift)
		SCREW, 7/16 x 1-1/2", flanged hex-hd cap (2)		624 448 C1	SPACER, accumulator mounting band (two for Power Shift)
	115 314	WASHER, lock (2)		103 341	WASHER, 13/32" (two for Manual Shift, one for Power Shift)
14		FITTING, hose (Order HOSE, 702 170 C1)		103 343	WASHER, 17/32" (four for Manual Shift, two for Power Shift)
15	702 170 C1	HOSE, w/two FITTING, hydraulic pump to pressure tube hose (1/2" ID x 26" long, including FITTINGS)		115 093	WASHER, 3/8" lock (two for Manual Shift, one for Power Shift)
16		FITTING, hose (Order HOSE, 702 170 C1)		116 121	WASHER, 1/2" lock (four for Manual Shift, two for Power Shift)
17	700 460 C1	TUBE, hose to accumulator pressure			
18	9 402 710	CONNECTOR, pressure line			
19	700 444 C1	BRACKET, accumulator and regulator valve mounting			
	25 935 R1	SCREW, hex-hd cap (2)			
20	318 616 R1	BLOCK, control regulating junction Manual Shift 1334 and below Power Shift 1334 and below			
20	620 151 C2	BLOCK, control regulator junction Manual Shift 1335 and up Power Shift 1335 and up			
	24 840 R1	SCREW, 1" long, hex-hd cap (3)			
	24 842 R1	SCREW, 1-3/4" long, hex-hd cap			
	115 093	WASHER, lock (4)			
21		VALVE, control regulator and check (Refer to "Hydraulic Control Regulator")			

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC STEERING LINES AND CONNECTIONS - Continued Power Shift 2037 and Below Manual Shift 2037 and Below			39	700 445 C1	MANIFOLD, hydraulic control valve - Continued Manual Shift 1334 and below Power Shift 1334 and below (Order the following parts - Continued
34	604 386 C1	LINER, accumulator mounting band (Used w/BAND, 700 449 C1) (2 for Manual Shift, 1 for Power Shift)			1 PACKAGE 322 166 R91 2 PAD 274 697 R1 1 PLUG 444 619)
35		ACCUMULATOR, hydraulic (Refer to "Accumulator")		870 643 R1 103 322	SCREW, hex-hd cap (2) WASHER, lock (2)
36	318 620 R1	BRACKET, accumulator and regulator stabilizer	40	444 614	PLUG, 1/8" pipe (Hydraulic System bleed) (Used w/MANIFOLD, 700 445 C1)
	24 840 R1	SCREW, 3/8", hex-hd cap (2)			
	25 904 R1	SCREW, 7/16", hex-hd cap (2)			
	103 341	WASHER, flat (2)	40	444 619	PLUG, 1/4" pipe (Hydraulic System bleed) (Used w/MANIFOLD, 620 152 C1)
	115 093	WASHER, 3/8" lock (2)			
	115 314	WASHER, 7/16" lock (2)			
37	350 684 R1	"O" RING, junction block to pump pressure line (3/4 x 1 x 1/8") (Used w/BLOCK, 318 616 R1)	41	39 677 DA	BLEEDER, hydraulic system
			42		VALVE, hydraulic steering control (Refer to "Hydraulic Steering Control Valve")
37	364 885 R1	"O" RING, control regulator junction block union sealing (.755x.949 x .097") (Used w/BLOCK, 620 151 C2)	43	259 261 R93	MANIFOLD, w/four PLUG, 444 614, hydraulic steering control, RH
38	700 446 C1	TUBE, lower hydraulic pressure Manual Shift 1334 and below Power Shift 1334 and below (Order the following parts -		24 850 R1	SCREW, 7/16 x 1-1/2", hex-hd cap (2)
		1 BLEEDER 39 677 DA		24 851 R1	SCREW, 7/16 x 1-3/4", hex-hd cap (3)
		2 CLAMP 274 696 R1		24 862 R1	SCREW, 1/2 x 1-1/2", hex-hd cap (2)
		1 SCREW 25 491 R1		115 314	WASHER, 7/16" lock (5)
		1 WASHER 103 319		116 121	WASHER, 1/2" lock (2)
		1 NUT 109 084		444 614	PLUG, 1/8", hex-hd stl. pipe (Used w/MANIFOLD, 259 261 R93) (4)
		1 FLANGE 620 158 C1			
		2 SCREW 870 643 R1		444 619	PLUG, 1/4", hex-hd stl. pipe (Used w/MANIFOLD, 259 261 R91, and MANIFOLD, 259 261 R92) (3)
		4 WASHER 103 322			
		1 HOSE 627 470 C91			
		1 HOSE 627 472 C91			
		1 MANIFOLD 620 152 C1			
		2 SCREW 24 855 R1	44	259 260 R93	MANIFOLD, w/four PLUG, 444 614, hydraulic steering control, LH
		1 PACKAGE 322 166 R91		24 850 R1	SCREW, 7/16 x 1-1/2", hex-hd cap (2)
		2 PAD 274 697 R1		24 851 R1	SCREW, 7/16 x 1-3/4", hex-hd cap (3)
		1 PLUG 444 619)		24 862 R1	SCREW, 1/2 x 1-1/2", hex-hd cap (2)
	870 643 R1	SCREW, hex-hd cap (2)			
	103 322	WASHER, lock (2)			
39	700 445 C1	MANIFOLD, hydraulic control valve Manual Shift 1334 and below Power Shift 1334 and below (Order the following parts -		115 314	WASHER, 7/16" lock (5)
		1 BLEEDER 39 677 DA		116 121	WASHER, 1/2" lock (2)
		2 CLAMP 274 696 R1		444 614	PLUG, 1/8" hex-hd stl. pipe (Used w/MANIFOLD, 259 260 R93) (4)
		1 SCREW 25 491 R1		444 619	PLUG, 1/4" hex-hd stl. pipe (Used w/MANIFOLD, 259 260 R91, and MANIFOLD, 259 260 R92) (3)
		1 WASHER 103 319			
		1 NUT 109 084			
		1 FLANGE 620 158 C1			
		2 SCREW 870 643 R1			
		4 WASHER 103 322			
		1 HOSE 627 470 C91			
		1 HOSE 627 472 C91			
		1 MANIFOLD 620 152 C1			
		2 SCREW 24 855 R1			

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC STEERING LINES AND CONNECTIONS - Continued Power Shift 2037 and Below Manual Shift 2037 and Below			56		FITTING, hose (Order HOSE, 627 469 C1)
45	700 447 C1	TUBE, lower hydraulic return Manual Shift 1334 and below Power Shift 1334 and below (Order the following parts - 1 BLEEDER 39 677 DA 2 CLAMP 274 696 R1 1 SCREW 25 491 R1 1 WASHER 103 319 1 NUT 109 084 1 FLANGE 620 158 C1 2 SCREW 870 643 R1 2 WASHER 103 322 1 PACKAGE 322 166 R91 2 PAD 274 697 R1 1 PLUG 444 619)	57	620 158 C1	FLANGE, hydraulic (Used w/BLOCK, 318 616 R1, when HOSE, 627 740 C91, HOSE, 627 472 C91, and MANIFOLD, 620 152 C1, are used to replace MANIFOLD, 700 445 C1, TUBE, 700 446 C1, and TUBE, 700 447 C1)
46	253 070 R1	"O" RING, accumulator to pump suction line	58	355 966 R1	"O" RING, hydraulic steering control manifold (20)
47	627 469 C1	HOSE, w/two FITTINGS, regulator junction block to hydraulic control valve (Supply) (1/2" ID x 27" long, including FITTINGS) Manual Shift 1335 and up Power Shift 1335 and up	322 163 R91		PACKAGE, steering control housing to junction block and regulator valve manifold "O" RING, field service (Consists of - 9 "O" RING)
48	627 471 C1	HOSE, w/two FITTINGS, hydraulic control valve to regulator junction block (Return) (5/8" ID x 27" long, including FITTINGS) Manual Shift 1335 and up Power Shift 1335 and up	322 166 R91		PACKAGE, regulator check valve housing and control valve housing to regulator junction block manifold "O" RING, field service (Consists of - 17 "O" RING)
49	620 152 C1	MANIFOLD, hydraulic control valve Manual Shift 1335 and up Power Shift 1335 and up	629 370 C91		PACKAGE, hydraulic steering field improvement (For machines equipped w/2540 (Series C) Hydraulic Control unit) Manual Shift 2037 and below Power Shift 2037 and below (Consists of the following parts - 1 BLEEDER 39 677 DA 1 BUSHING 141 539 1 BRACKET 659 137 C1 1 CLAMP 308 576 R1 1 CLAMP 308 882 R1 1 CLAMP 659 277 C1
	24 855 R1 115 314	SCREW, hex-hd cap (2) WASHER, lock (2)			1 COUPLING 658 936 C1 1 COVER 666 101 C1 1 ELBOW 141 615 1 ELBOW 444 040 1 ELBOW 659 054 C1 1 ELBOW 9 410 257 1 ELBOW 9 410 286 1 ELBOW 9 410 982 1 ELBOW 9 411 107 1 ELBOW 9 411 110 1 FILTER 659 130 C92 2 FITTING 872 291 C2 1 GASKET 279 704 R1 1 GASKET 328 974 R1 1 HOSE 324 642 R91 1 HOSE 343 797 R91 1 HOSE 603 970 C91 1 HOSE 606 593 C1 1 HOSE 702 497 C1 1 HOUSING 658 992 C1 4 LOCK 277 788 R1 1 MANIFOLD 620 152 C1 1 NIPPLE 120 549 1 "O" RING 290 987 R1 3 "O" RING 307 915 R1 1 "O" RING 350 667 R1 1 "O" RING 355 966 R1 1 "O" RING 368 269 R1
50	9 410 204	UNION, control regulator junction block Manual Shift 1335 and up Power Shift 1335 and up			
51	274 696 R1	CLAMP, hydraulic steering hose (2) Manual Shift 1335 and up Power Shift 1335 and up			
	25 491 R1 115 109 25 519 R1	SCREW, hex-hd cap WASHER, lock NUT, 1/4"			
52	274 697 R1	PAD, hydraulic steering hose clamp (2) Manual Shift 1335 and up Power Shift 1335 and up			
53		FITTING, hose (Order HOSE, 627 471 C1)			
54		FITTING, hose (Order HOSE, 627 471 C1)			
55		FITTING, hose (Order HOSE, 627 469 C1)			

(Continued on next page.)

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC STEERING LINES AND CONNECTIONS Continued Power Shift 2037 and Below Manual Shift 2037 and Below					
629 370	C91	PACKAGE, hydraulic steering field improvement (For machines equipped w/2540 (Series C) Hydraulic Control unit) - Continued Manual Shift 2037 and below Power Shift 2037 and below (Consists of the following parts - Continued)	629 544	C91	PACKAGE, hydraulic steering piping field improvement (For machines not equipped w/2540 (Series C) Hydraulic Control unit) Manual Shift 1335 to 2037 Power Shift 1335 to 2037 (Consists of the following parts -
		1 "O" RING 570 828 R1 1 PAMPHLET 1 085 590 R1 1 PLUG 187 768 1 PLUG 342 775 R91 1 PUMP 659 052 C92 1 RING 5 133 H1 1 RING 269 174 R1 1 RING 659 380 R1 3 SCREW 24 840 R1 2 SCREW 24 855 R1 6 SCREW 24 861 R1 5 SCREW 24 868 R1 2 SCREW 24 871 R1 1 SHAFT 658 934 C1 6 STRAP 610 213 C91 1 TUBE 659 135 C1 1 UNION 24 165 R1 1 UNION 587 577 R1 1 VALVE 144 112 1 WASHER 22 771 R1 3 WASHER 115 093 2 WASHER 115 314 11 WASHER 116 121 2 WASHER 116 123)			1 BASE 700 806 C1 1 CAP 701 922 C2 1 CAP 9 403 374 2 CLIP 308 882 R1 1 COVER 700 803 C2 1 DRAWING CZG-580 1 DRAWING CZG-962 1 ELBOW 217 984 1 ELBOW 150 776 C91 1 ELBOW 629 545 C1 1 ELBOW 9 410 283 1 ELBOW 9 411 107 1 ELEMENT 336 670 R5 1 FLANGE 659 043 C1 1 FLANGE 662 038 C1 1 HOSE 343 797 R91 1 HOSE 658 860 C1 1 HOSE 613 662 C91 1 MANIFOLD 662 040 C1 1 NIPPLE 121 207 1 NUT 17 161 R1 1 NUT 454 522 R1 1 "O" RING 22 400 R1 1 "O" RING 253 070 R1 1 "O" RING 307 915 R1 1 "O" RING 310 935 R1 1 "O" RING 319 922 R1 2 "O" RING 368 269 R1 1 "O" RING 369 375 R1 1 "O" RING 382 432 R1 2 "O" RING 3 042 934 R1 1 PLUG 23 383 R1 1 PLUG 280 668 R91 1 PLUG 444 577 1 PLUG 444 654 1 PLUG 615 391 C1 1 RESERVOIR 700 800 C2 1 RETAINER 700 804 C1 3 SCREW 24 861 R1 4 SCREW 24 874 R1 6 SCREW 24 888 R1 2 SCREW 25 281 R1 2 SHIM 623 881 C1 1 SPRING 250 567 R1 1 SPRING 605 049 C1 1 STRAINER 662 367 C1 4 STRAP 610 213 C91 1 SUPPORT 700 805 C1 1 UNION 629 546 C1 1 UNION 9 402 711 1 VALVE 335 321 R92 1 VALVE 659 078 C91 1 TUBE 659 120 C1 6 WASHER 25 538 R1 5 WASHER 116 121 4 WASHER 116 123)
629 543	C91	PACKAGE, hydraulic steering piping field improvement (For machines equipped w/2540 (Series C) Hydraulic Control unit) Manual Shift 1335 to 2037 Power Shift 1335 to 2037 (Consists of the following parts -	444 614		PLUG, 1/8" pipe (hydraulic system drain)
		1 CAP 9 403 374 2 CLIP 308 882 R1 1 DRAWING CZG-579 1 DRAWING CZG-580 1 DRAWING CZG-961 1 DRAWING CZG-963 2 ELBOW 9 410 257 1 ELBOW 9 410 283 § 2 FITTING 1 FLANGE 615 714 C1 1 FLANGE 659 043 C1 1 HOSE 659 141 C1 1 HOSE 343 797 R91 1 HOSE 613 662 C91 1 "O" RING 21 924 R1 1 "O" RING 253 070 R1 1 "O" RING 372 821 R1 4 SCREW 24 861 R1 4 STRAP 610 213 C91 1 TUBE 646 558 C1 1 TUBE 659 120 C1 1 UNION 9 402 711 4 WASHER 116 121)			

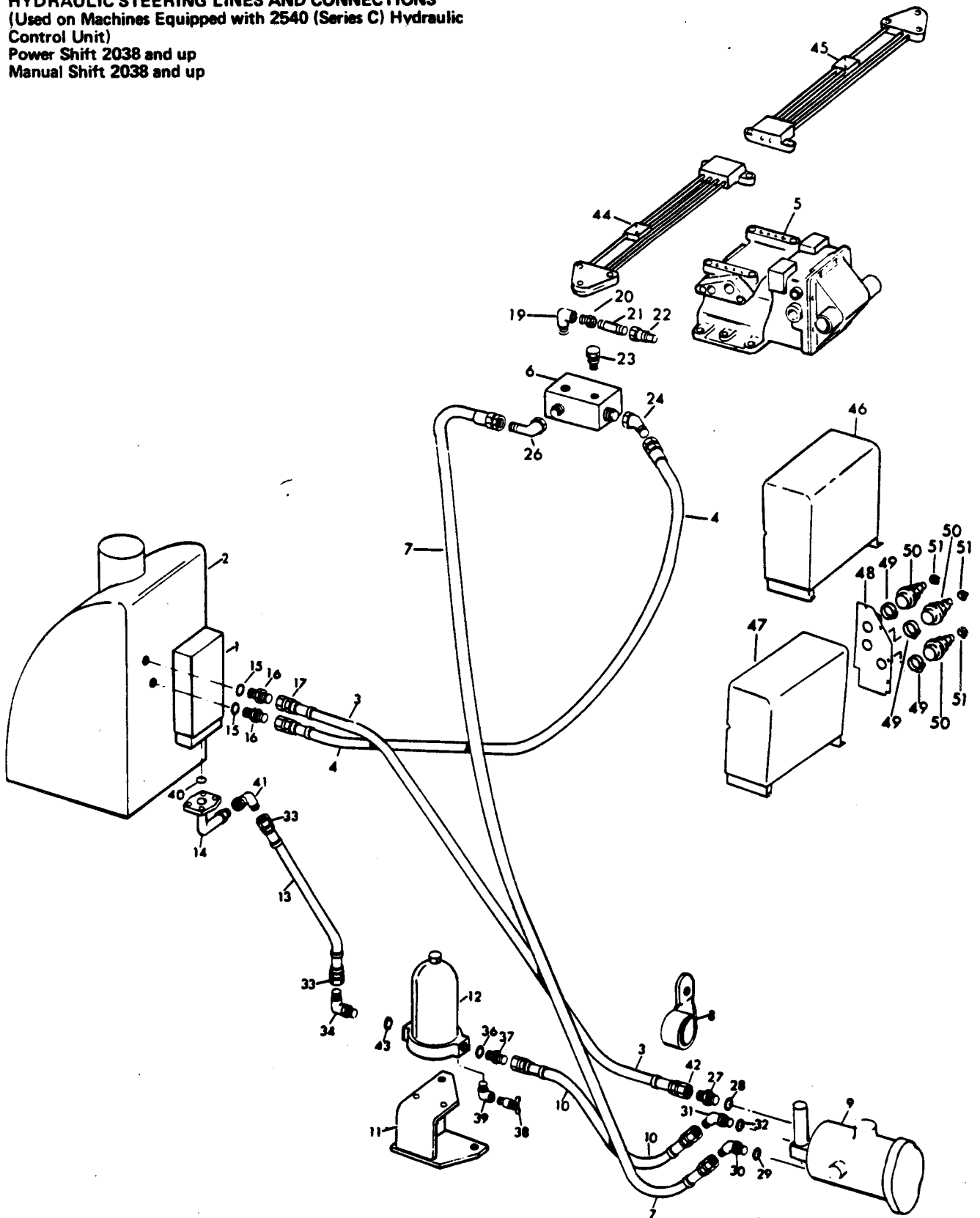
§ - Not Furnished Separately.

HYDRAULICS

MEMORANDA

HYDRAULICS

HYDRAULIC STEERING LINES AND CONNECTIONS
(Used on Machines Equipped with 2540 (Series C) Hydraulic Control Unit)
Power Shift 2038 and up
Manual Shift 2038 and up



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HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC STEERING LINES AND CONNECTIONS - Continued			14	659 135 C1	TUBE, hydraulic steering pump supply
(Used on Machines Equipped with 2540 [Series C] Hydraulic Control Unit)				24 861 R1	SCREW, hex-hd cap (4)
Power Shift 2038 and up				116 121	WASHER, lock (4)
Manual Shift 2038 and up			15	368 269 R1	"O" RING (2)
1		VALVE, tractor equipment hydraulic control (Refer to "Hydraulic Control Valve")	16	9 410 205	UNION (2 for machines w/o Ripper Pitch) (1 for machines w/Ripper Pitch)
2		RESERVOIR, steering and hydraulic equipment (Refer to "Steering and Hydraulic Equipment Reservoir")	17		FITTING, hose (Order HOSE, 324 642 R91)
3	324 642 R91	HOSE, w/two FITTINGS, steering pump drain (5/8" ID x 138" long, including FITTINGS)	19	444 040	ELBOW, hydraulic control valve manifold
4	343 797 R91	HOSE, w/two FITTINGS, steering valve to hydraulic reservoir drain (3/4" ID x 56" long, including FITTINGS)	20	141 539	BUSHING, reducer
5		VALVE, steering control (Refer to "Steering Control Valve")	21	120 549	NIPPLE, pipe
6	620 152 C1 24 855 R1 115 314	MANIFOLD, steering valve SCREW, hex-hd cap (2) WASHER, lock (2)	22	342 775 R91	PLUG, control valve quick connective (Order PLUG, 715 370 C1 and COVER, 715 477 C1)
7	641 272 C1	HOSE, w/two FITTINGS, pump to steering valve manifold inlet (3/4" ID x 108" long, including FITTINGS) (Replaces, 606 593 C91)		715 477 C1	COVER, plug protective (Replaces, 666 101 C1)
8	659 277 C1	CLAMP, steering pump hose (Mount to flywheel housing, outer RH side bolt)	22	715 370 C1	PLUG, control valve quick connective
9		PUMP, steering (Refer to "Steering Pump")	23	39 677 DA	BLEEDER, hydraulic system
10	603 970 C91	HOSE, w/FITTINGS, suction filter to steering pump (Power Shift)	24	9 410 257	ELBOW
10	644 986 C1	HOSE, w/FITTINGS, suction filter to steering pump (Manual Shift)	26	659 054 C1	ELBOW, steering valve manifold inlet
11	659 137 C1	BRACKET, steering pump suction filter mounting	27	587 577 R1	UNION, steering pump drain reducer (Used w/PUMP, 659 052 C92)
	24 871 R1 116 123	SCREW, hex-hd cap (2) WASHER, lock (2)	27	391 960 R91	ELBOW, steering pump drain reducer (Used w/PUMP, 659 080 C91)
12		FILTER, hydraulic steering pump suction (Refer to "Steering Pump Suction Filter")	28	570 828 R1	"O" RING
13	662 252 C1	HOSE, w/two FITTINGS, reservoir to suction filter (1-1/4" ID x 40" long including FITTINGS) (Manual Shift)	29	368 269 R1	"O" RING
13	702 497 C1	HOSE w/two FITTINGS, reservoir to suction filter (1-1/4" ID x 32" long including FITTINGS) (Power Shift)	30	9 411 107	ELBOW, steering pump outlet
			31	9 411 110	ELBOW, steering pump inlet
			32	307 915 R1	"O" RING
			33		FITTING (Not furnished separately) (2)
			34	9 410 982	ELBOW, steering pump suction filter inlet (Power Shift)
			34	9 410 260	ELBOW, 45° steering pump suction filter inlet swivel (Manual Shift)
				24 165 R1	UNION, steering pump suction filter inlet (Manual Shift)
			36	307 915 R1	"O" RING
			37	24 165 R1	UNION, steering pump suction filter outlet
			38	144 112	VALVE, steering pump suction filter drain
			39	141 615	ELBOW, steering pump suction filter drain

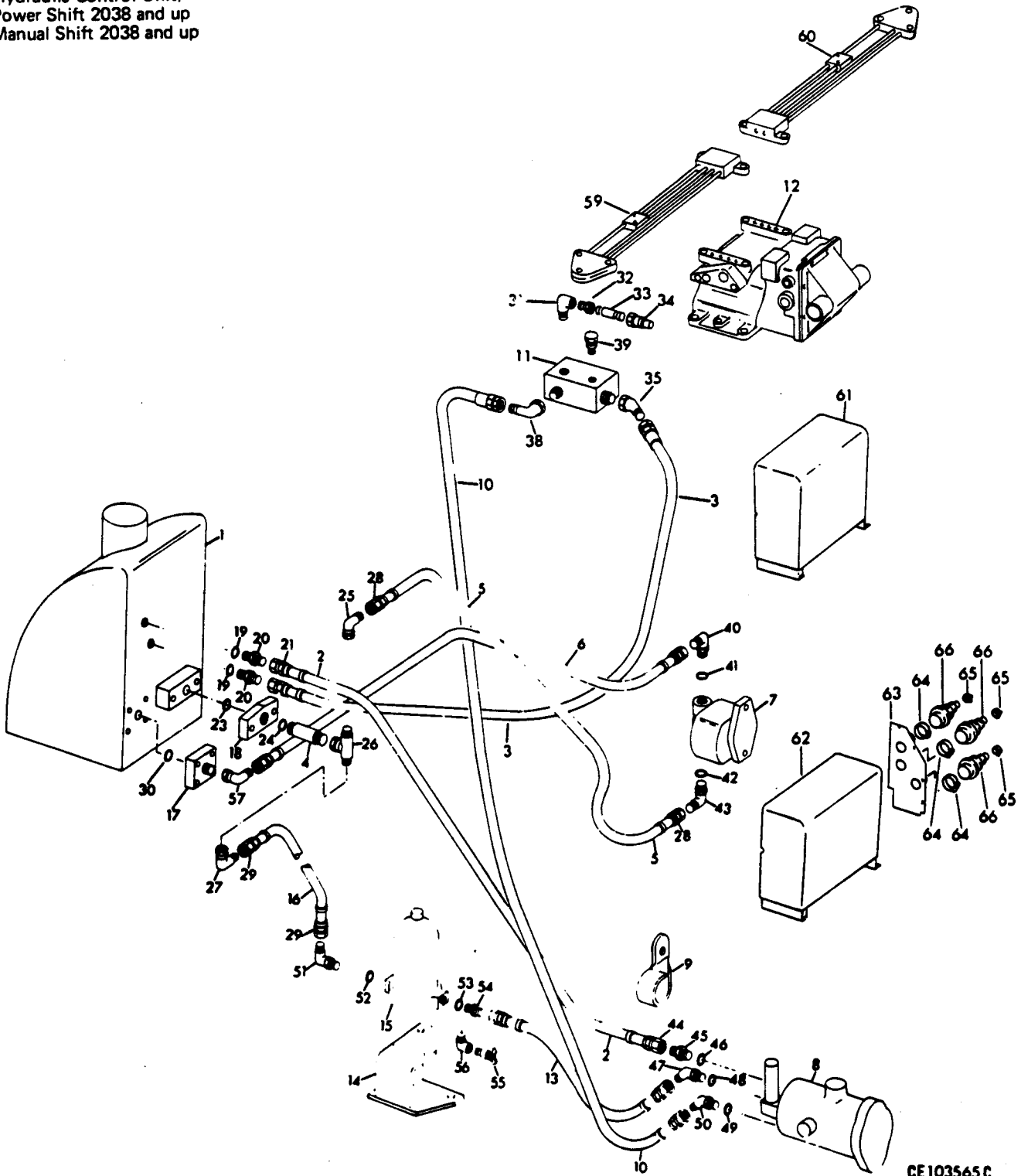
HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC STEERING LINES AND CONNECTIONS -					
Continued					
(Used on Machines Equipped with 2540 [Series C] Hydraulic Control Unit)					
Power Shift 2038 and up					
Manual Shift 2038 and up					
40	21 924 R1	RING, hydraulic pump supply tube sealing	444 614		PLUG, 1/8" hex-hd stl. pipe (8)
41	9 410 286	ELBOW, hydraulic steering pump supply tube.	308 882 R1		CLAMP, hydraulic reservoir pump drain hose (RH brake support bracket)
42		FITTING, hose (Order HOSE, 324 642 R91)	308 576 R1		CLAMP, hydraulic reservoir pump drain hose (3rd piston cooling jet flange)
43	307 915 R1	"O" RING	610 213 C91		STRAP, steering pump hose (6)
44	259 261 R93	MANIFOLD, w/four PLUG, 444 614, hydraulic steering contro. RH			
	355 966 R1	RING, hydraulic manifold sealing (10)			
	24 851 R1	SCREW, 7/16 x 1-3/4", hex-hd cap (3)			
	24 862 R1	SCREW, 1/2 x 1-1/2", hex-hd cap (2)			
	24 850 R1	SCREW, 7/16 x 1-1/2", hex-hd cap (2)			
	115 314	WASHER, 7/16" lock (5)			
	116 121	WASHER, 1/2" lock (2)			
45	259 260 R93	MANIFOLD, w/four PLUG, 444 614, hydraulic steering control, LH			
	355 966 R1	RING, hydraulic manifold sealing (10)			
	24 851 R1	SCREW, 7/16 x 1-3/4", hex-hd cap (3)			
	24 862 R1	SCREW, 1/2 x 1-1/2", hex-hd cap (2)			
	24 850 R1	SCREW, 7/16 x 1-1/2", hex-hd cap (2)			
	115 314	WASHER, 7/16" lock (5)			
	116 121	WASHER, 1/2" lock (2)			
46	700 811 C1	COVER, valve (Not used w/CAB)			
	24 861 R1	SCREW, hex-hd cap (5)			
	103 343	WASHER, flat (5)			
	116 121	WASHER, lock (5)			
47	668 543 C1	COVER, valve (Used w/CAB)			
48	632 448 C1	PLATE, valve cover (Used w/CAB)			
	25 228 R1	SCREW, hex-hd cap (4)			
	116 120	WASHER, lock (4)			
49	401 345 R1	CLAMP, boot mounting (Used w/CAB) (3)			
50	325 029 R1	BOOT, shifter lever hydraulic control rod (Used w/CAB) (3)			
51	681 896 C1	CLAMP, boot (Used w/CAB) (3)			
	632 477 C1	SEAL (3)			

MEMORANDA

HYDRAULICS

HYDRAULIC STEERING LINES AND CONNECTIONS
(Not Used on Machines Equipped with 2540 [Series C]
Hydraulic Control Unit)
Power Shift 2038 and up
Manual Shift 2038 and up



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HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC STEERING LINES AND CONNECTIONS - Continued			16	662 252 C1	HOSE, w/two FITTINGS, reservoir to suction filter (1-1/4" ID x 40" long, including FITTINGS) (Power Shift)
(Not Used on Machines Equipped with 2540 [Series C] Hydraulic Control Unit)			16	662 253 C1	HOSE, w/two FITTINGS, reservoir to suction filter (1-1/4" ID x 48" long, including FITTINGS) (Gear Drive)
Power Shift 2038 and up			17	662 038 C1 24 874 R1 116 123	FLANGE, hydraulic reservoir outlet SCREW, hex-hd cap (4) WASHER, lock (4)
Manual Shift 2038 and up			18	662 040 C1 25 281 R1 116 121	MANIFOLD, hydraulic reservoir re- turn SCREW, hex-hd cap (2) WASHER, lock (2)
1		RESERVOIR, steering and hydraulic equipment (Refer to "Steering and Hydraulic Equipment Reservoir")	19	368 269 R1	"O" RING (2)
2	324 642 R91	HOSE, w/two FITTINGS, steering pump drain (5/8" ID x 138" long, including FITTINGS)	20	9 410 205	UNION (2)
3	343 797 R91	HOSE, w/two FITTINGS, steering valve to hydraulic reservoir drain (3/4" ID x 56" long, including FITTINGS)	21		FITTING, hose (Order HOSE, 324 642 R91)
4	656 915 C91	VALVE, steering supercharge pump check	23	360 610 R1	"O" RING (Replaces 319 922 R1)
5	606 438 C91	HOSE, w/two FITTINGS, supercharge pump outlet (1" ID x 70" long, including FITTINGS)	24	296 247 R1	"O" RING
6	603 970 C91	HOSE, w/FITTINGS, steering supercharge pump inlet	25	9 410 285	ELBOW, supercharge pump outlet hose
7		PUMP, supercharge (Refer to "Steering Supercharge Pump")	26	9 410 311	TEE, supercharge pump outlet to check valve
8		PUMP, steering (Refer to "Steering Pump")	27	662 123 C1	ELBOW, tee to filter suction line
9	659 277 C1	CLAMP, steering pump hose (Mount to flywheel housing, outer RH side bolt)	28		FITTING (Order HOSE, 606 438 C91) (2)
10	641 272 C1	HOSE, w/two FITTINGS, pump to steering valve manifold inlet (3/4" ID x 108" long, including FITTINGS) (Replaces, 606 593 C91)	29		FITTING, hose (Not furnished separately) (2)
11	620 152 C1 24 855 R1 115 314	MANIFOLD, steering valve SCREW, hex-hd cap (2) WASHER, lock (2)	30	285 724 R1	"O" RING, hydraulic reservoir outlet flange sealing
12		VALVE, steering control (Refer to "Steering Control Valve")	31	444 040	ELBOW, hydraulic control valve manifold
13	603 970 C91	HOSE, w/FITTINGS, suction filter to steering pump (Power Shift)	32	141 539	BUSHING, reducer
13	644 986 C1	HOSE, w/FITTINGS, suction filter to steering pump (Gear Drive)	33	120 549	NIPPLE, pipe
14	659 137 C1	BRACKET, steering pump suction filter mounting	34	342 775 R91	PLUG, control valve quick connective (Order PLUG, 715 370 C1 and COVER, 715 477 C1)
	24 871 R1 116 123	SCREW, hex-hd cap (2) WASHER, lock (2)		715 477 C1	COVER, plug protective (Replaces 666 101 C1)
15	24 840 R1 115 093	FILTER, hydraulic steering pump suction (Refer to "Steering Pump Suction Filter") SCREW, hex-hd cap (3) WASHER, lock (3)	34	715 370 C1	PLUG, control valve quick connective
			35	9 410 257	ELBOW
			38	659 054 C1	ELBOW, steering valve manifold inlet
			39	39 677 DA	BLEEDER, hydraulic system
			40	9 410 982	ELBOW, supercharge pump inlet
			41	307 915 R1	"O" RING
			42	296 247 R1	"O" RING

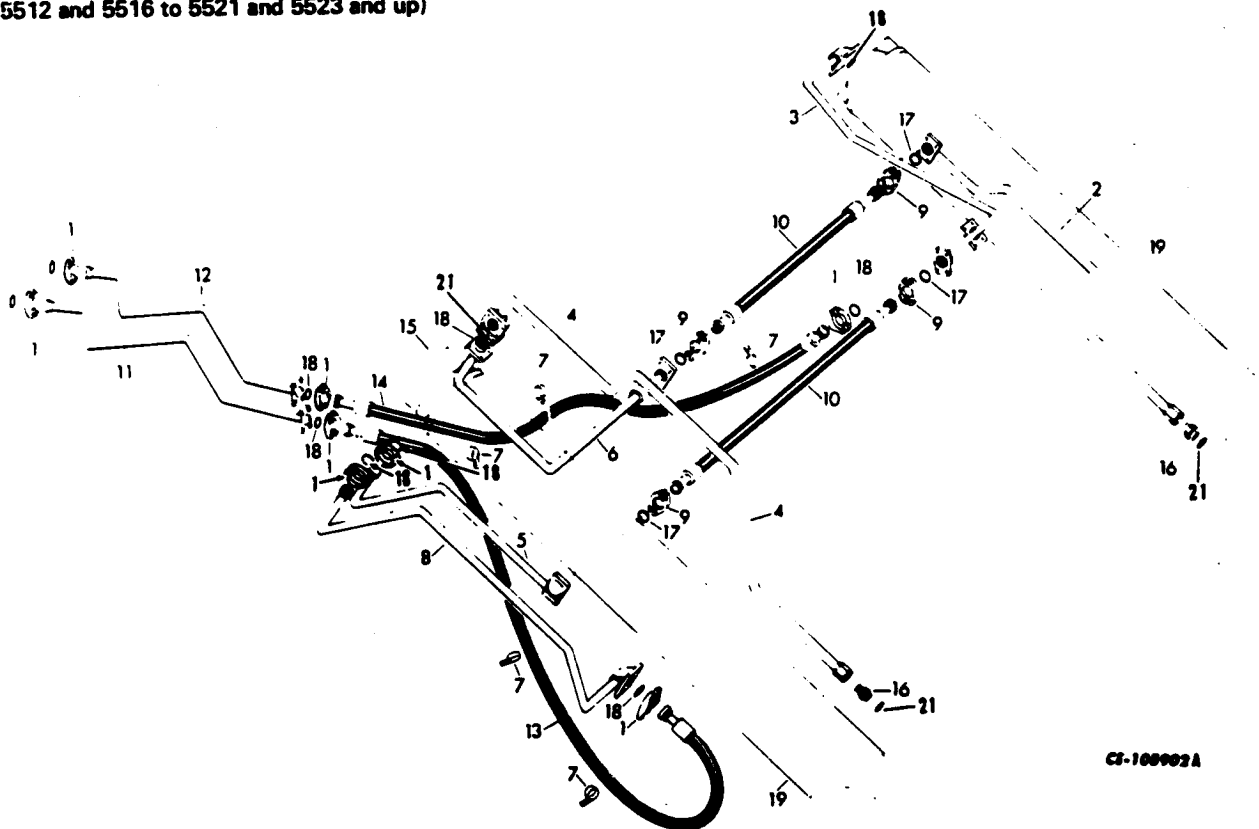
HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC STEERING LINES AND CONNECTIONS - Continued (Not Used on Machines Equipped with 2540 [Series C] Hydraulic Control Unit) Power Shift 2038 and up Manual Shift 2038 and up			60	259 260 R93	MANIFOLD, w/four PLUG, 444 614, hydraulic steering control, LH
				355 966 R1	RING, hydraulic manifold sealing (10)
				24 851 R1	SCREW, 7/16 x 1-3/4", hex-hd cap (3)
				24 862 R1	SCREW, 1/2 x 1-1/2", hex-hd cap (2)
				24 850 R1	SCREW, 7/16 x 1-1/2", hex-hd cap (2)
				115 314	WASHER, 7/16" lock (5)
				116 121	WASHER, 1/2" lock (2)
				444 614	PLUG, 1/8" hex-hd slt. pipe (8)
43	9 410 981	ELBOW, supercharge pump outlet	61	700 811 C1	COVER, valve (Not used w/CAB)
44		FITTING, hose (Order HOSE, 324 642 R91)		24 861 R1	SCREW, hex-hd cap (5)
45	587 577 R1	UNION, steering pump drain reducer (Used w/PUMP, 659 052 C92)		103 343	WASHER, flat (5)
45	391 960 R91	ELBOW, steering pump drain reducer (Used w/PUMP, 659 080 C91)		116 121	WASHER, lock (5)
46	570 828 R1	"O" RING	62	668 543 C1	COVER, valve (Used w/CAB)
47	9 411 100	ELBOW, steering pump inlet	63	632 448 C1	PLATE, valve cover (Used w/CAB)
48	307 915 R1	"O" RING		25 228 R1	SCREW, hex-hd cap (4)
49	368 269 R1	"O" RING		116 120	WASHER, lock (4)
50	9 411 107	ELBOW, steering pump outlet	64	401 345 R1	CLAMP, boot mounting (Used w/CAB) (3)
51	9 410 982	ELBOW, steering pump suction filter inlet (Power Shift)	65	681 896 C1	CLAMP, boot (Used w/CAB) (3)
51	9 410 260	ELBOW, 45° steering pump suction filter inlet swivel (Manual Shift)		632 477 C1	SEAL (3)
52	307 915 R1	"O" RING	66	325 029 R1	BOOT, shifter lever hydraulic control rod (Used w/CAB) (3)
53	307 915 R1	"O" RING		308 882 R1	CLAMP, hydraulic reservoir pump drain hose (RH brake support bracket)
54	24 165 R1	UNION, steering pump suction filter outlet		308 576 R1	CLAMP, hydraulic reservoir pump drain hose (3rd piston cooling jet flange)
55	144 112	VALVE, steering pump suction filter drain		610 213 C91	STRAP, steering pump hose (6)
56	141 615	ELBOW, steering pump suction filter drain			
57	9 410 286	ELBOW, reservoir outlet flange			
58	24 165 R1	UNION, steering pump suction filter inlet (Manual Shift)			
59	259 261 R93	MANIFOLD, w/four PLUG, 444 614, hydraulic steering control, RH			
	355 966 R1	RING, hydraulic manifold sealing (10)			
	24 851 R1	SCREW, 7/16 x 1-3/4", hex-hd cap (3)			
	24 862 R1	SCREW, 1/2 x 1-1/2", hex-hd cap (2)			
	24 850 R1	SCREW, 7/16 x 1-1/2", hex-hd cap (2)			
	115 314	WASHER, 7/16" lock (5)			
	116 121	WASHER, 1/2" lock (2)			

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BLADE EQUIPMENT, HYDRAULIC PIPING AND RELATED PARTS
(5512 and 5516 to 5521 and 5523 and up)



CS-100902A

1	290 045 R1 24 850 R1 115 314	CLAMP-HALF, split flange (20) SCREW, hex-hd cap (40) WASHER, lock (40)	5	705 562 C1 24 850 R1 115 314	TUBE, RH lift (Rod end) (Bulldozer) SCREW, hex-hd cap (4) WASHER, lock (4)
2	706 633 C1	TUBE, cylinder (Rod end)(LH) (Bulldozer)	5	705 563 C1 24 850 R1 115 314	TUBE, RH lift (Rod end) (Bullgrader) SCREW, hex-hd cap (4) WASHER, lock (4)
2	706 727 C1	TUBE, cylinder (Rod end) (LH) (Bullgrader)	6	705 560 C1 140 483 H 115 093	TUBE, RH (Rod end) (Bulldozer) SCREW, hex-hd cap (4) WASHER, lock (4)
3	647 569 C1 70 427 R1 24 853 R1 115 314	TUBE, LH cylinder (Bulldozer) SCREW, 1-1/4" hex-hd cap (2) SCREW, 1-1/2" hex-hd cap (2) WASHER, lock (4)	6	705 561 C1 140 483 H 115 093	TUBE, RH (Rod end) (Bullgrader) SCREW, hex-hd cap (4) WASHER, lock (4)
3	647 570 C1 70 427 R1 24 853 R1 115 314	TUBE, LH cylinder (Bullgrader) SCREW, 1-1/4" long hex-hd cap (2) SCREW, 2-1/2" long, hex-hd cap (2) WASHER, lock (4)	7	618 285 C1 25 526 R1 24 861 R1 116 121	CLAMP, hose (7) NUT (4) SCREW, hex-hd cap (7) WASHER, lock (7)
4	706 634 C1 25 285 R1 116 121	TUBE, cylinder (Rod end) (RH) BOLT (4) WASHER, lock (4)	8	705 558 C1 24 950 R1 115 314	TUBE, RH cylinder (Bulldozer) SCREW, hex-hd cap (4) WASHER, lock (4)

HYDRAULICS

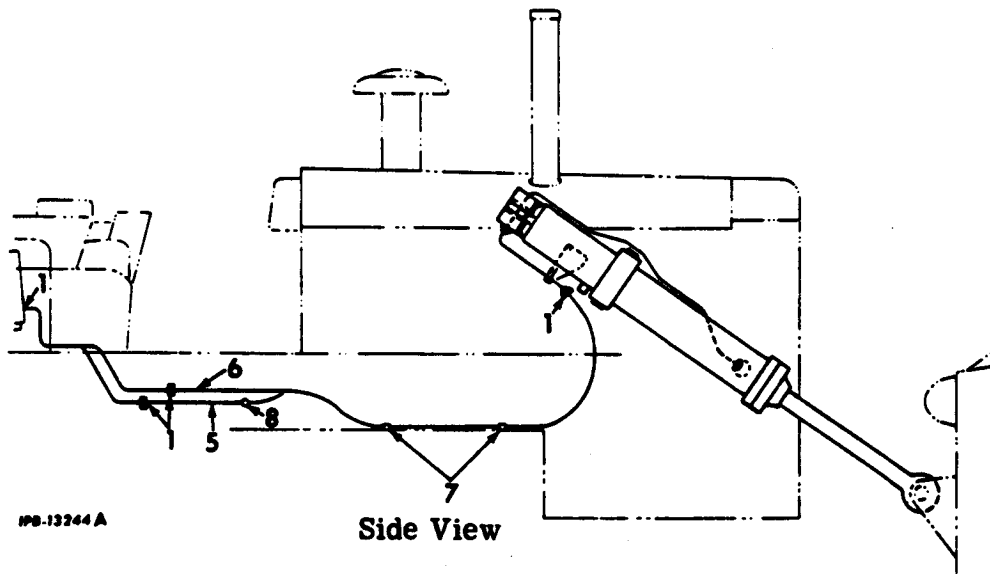
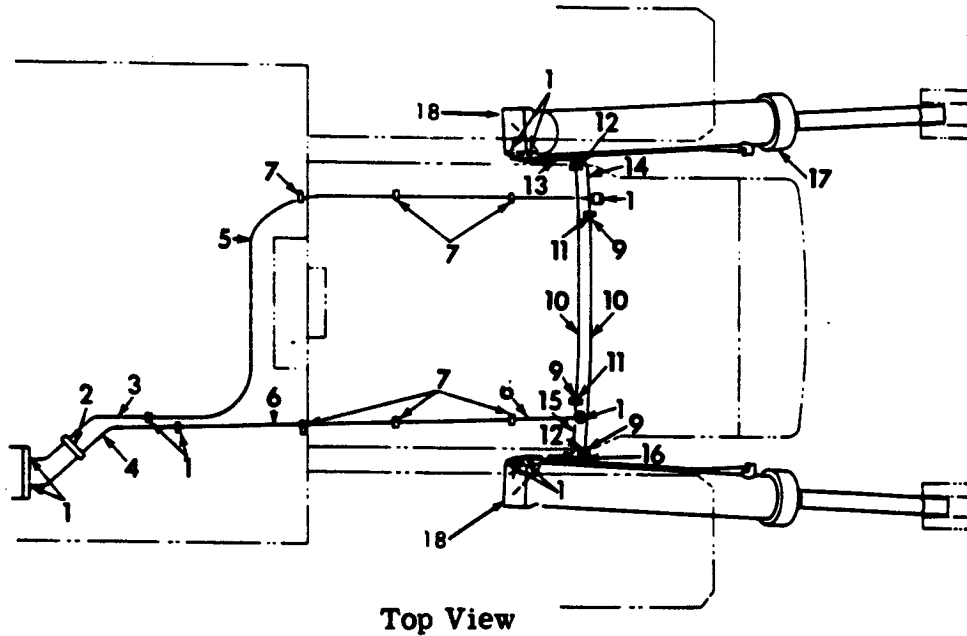
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BLADE EQUIPMENT, HYDRAULIC PIPING AND RELATED PARTS — Continued (5512 and 5516 to 5521, and 5523 and up)					
8	705 559 C1	TUBE, RH cylinder (Bullgrader)			
9	877 949 C2 140 483 H 115 093	CLAMP, HALF, split flange (8) SCREW, hex-hd cap (16) WASHER, lock (16)			
10	619 715 C1	HOSE w/two FITTING, crossover (2)			
11	700 842 C1 618 773 C1 618 774 C1 9 412 230 25 507 R1	TUBE, outboard PLATE SUPPORT NUT, stover lock (2) SCREW, hex-hd cap (2)			
12	700 840 C1 618 093 C1 24 843 R1	TUBE, inboard SUPPCRT, clamp SCREW, 3/8" hex-hd cap (3)			
13	619 714 C1	HOSE w/two FITTINGS, cylinder rod end pressure			
14	619 626 C2	HOSE w/two FITTINGS, cylinder head and pressure			
15		VALVE, quick drop (See "Quick Drop Valve Assembly")			
16	9 410 207	CONNECTOR (2)			
17	343 906 R1	"O" RING (4)			
18	343 909 R1	"O" RING (11)			
19		CYLINDER ASSY., lift (Refer to "Hydraulic Blade Lift Cylinder")			
20	296 247 R1	"O" RING (2)			
21	343 921 R1	"O" RING			

HYDRAULICS

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HYDRAULICS

**BLADE EQUIPMENT, HYDRAULIC PIPING AND
RELATED PARTS**
(5522 and 5513 to 5515, and 5511 and below)



IPB-13244 A

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BLADE EQUIPMENT, HYDRAULIC PIPING AND RELATED PARTS — Continued (5522 and 5513 to 5515, and 5511 and below)			8	308 560 R1	CLAMP, hose (For Power Shift Crawler Tractors) (2)
1	290 045 R1 343 909 R1 24 850 R1 103 322	CLAMP-HALF, split flange (20) "O" RING (10) SCREW, hex-hd cap (40) WASHER, lock (40)	618 093 C1		SUPPORT, clamp (Mounted to Torque Converter Bearing Retainer) NUT (2) SCREW, 1/2" hex-hd cap (2) WASHER, lock (2) SCREW, 3/8" hex-hd cap (3)
2	614 732 C1 614 731 C1 9 413 956 25 507 R1	CLAMP, tube (2) ANGLE, clamp support NUT, stover lock (2) SCREW, hex-hd cap (2)	8	618 285 C1	CLAMP, hose (For Manual Shift Crawler Tractors)
3	700 840 C1	TUBE, inboard	623 163 C1 25 526 R1 24 877 R1 24 861 R1 116 121 103 345		ANGLE, clamp support NUT SCREW, 5/8" hex-hd cap SCREW, 1/2" hex-hd cap WASHER, lock WASHER, flat (2)
4	700 842 C1	TUBE, outboard	9	877 949 C2 343 906 R1 140 483 H 115 093	CLAMP-HALF, split flange (8) "O" RING (4) SCREW, hex-hd cap (16) WASHER, lock (16)
5	619 626 C2	HOSE w/two FITTINGS, cylinder head end pressure (HOSE, 1-1/4" ID x 135" long, including FITTINGS) (For Power Shift Crawler Tractors) 5511,5513 to 5515 and 5522	10	700 837 C1	HOSE w/two FITTINGS, crossover (HOSE, 1"ID x 45" long including FITTINGS) (2) Manual Shift 1210 and below Power Shift 1210 and below
5	700 839 C1	HOSE w/two FITTINGS, cylinder head end pressure (HOSE, 1-1/4" ID x 150" long, including FITTINGS) (For Power Shift Crawler Tractors) Power Shift 681 and below	10	619 715 C1	HOSE w/two FITTINGS, crossover (HOSE, 1"ID x 44" long, including FITTINGS) (2) Manual Shift 1211 to 5511, 5513 to 5515 and 5522 Power Shift 1211 to 5511, 5513 to 5515 and 5522
5	619 656 C1	HOSE w/two FITTINGS, cylinder head end pressure (HOSE, 1-1/4" ID x 132" long including FITTINGS) (For Manual Shift Crawler Tractors)	11		FITTING, hose (Not furnished separately) (2)
6	700 841 C1	HOSE w/two FITTINGS, cylinder rod end pressure (HOSE, 1-1/4"ID x 114" long including FITTINGS) Manual Shift 1210 and below Power Shift 1210 and below	12	310 920 R91	FITTING, straight split flange hose (2)
6	619 714 C1	HOSE w/two FITTINGS, cylinder rod end pressure (HOSE, 1-1/4"ID x 114" long, including FITTINGS) Manual Shift 1211 to 5511, 5513 to 5515 and 5522 Power Shift 1211 to 5511, 5513 to 5515 and 5522	13	701 671 C1	TUBE, LH lift (Rod end) (Bulldozer)
7	618 285 C1 25 526 R1 24 861 R1 116 121	CLAMP, hose (6) NUT SCREW, hex-hd cap (5) WASHER, lock (5)	13	701 672 C1	TUBE, LH lift (Rod end) (Bullgrader)
			14	701 669 C1	TUBE, LH lift (Head end) (Bulldozer) Power Shift 682 to 5511,5513 to 5515 and 5522
			14	700 833 C1	TUBE, LH lift (Head end) (Bulldozer) Power Shift 681 and below
			14	701 670 C1	TUBE, LH lift (Head end) (Bullgrader) Power Shift 682 to 5511, 5513 to 5515 and 5522

HYDRAULICS

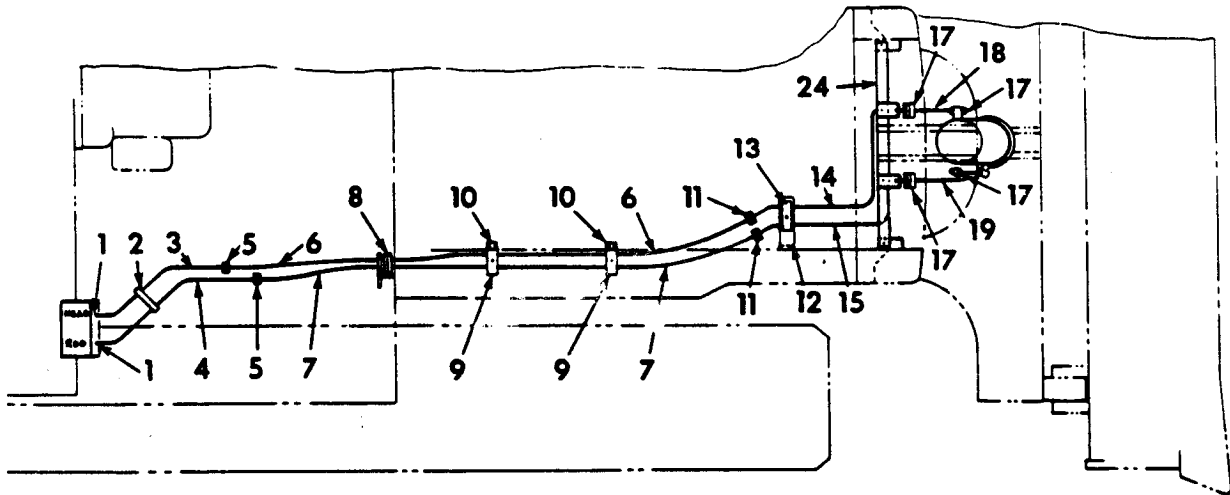
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BLADE EQUIPMENT, HYDRAULIC PIPING AND RELATED PARTS – Continued (5522 and 5513 to 5515, and 5511 and below)					
14	700 845 C1	TUBE, LH lift (Head end) (Bullgrader) Power Shift 681 and below			
15	700 836 C1	TUBE, RH lift (Rod end) (Bulldozer) Manual Shift 1210 and below Power Shift 1210 and below			
15	623 325 C1	TUBE, RH lift (Rod end) (Bulldozer) Manual Shift 1211 to 5511, 5513 to 5515 and 5522 Power Shift 1211 to 5511, 5513 to 5515 and 5522			
15	700 844 C1	TUBE, RH lift (Rod end) (Bullgrader) Manual Shift 1210 and below Power Shift 1210 and below			
15	623 326 C1	TUBE, RH lift (Rod end) (Bullgrader) Manual Shift 1211 to 5511, 5513 to 5515, and 5522 Power Shift 1211 to 5511, 5513 to 5515 and 5522			
16	700 834 C1	TUBE, RH lift (head end) (Bulldozer)			
16	700 846 C2	TUBE, RH lift (head end) (Bullgrader)			
17		CYLINDER ASSY., hydraulic (Refer to "Blade Hydraulic Lift Cylinders")			
18		VALVE, quick drop (See "Quick Drop Valve Assembly")			

HYDRAULICS

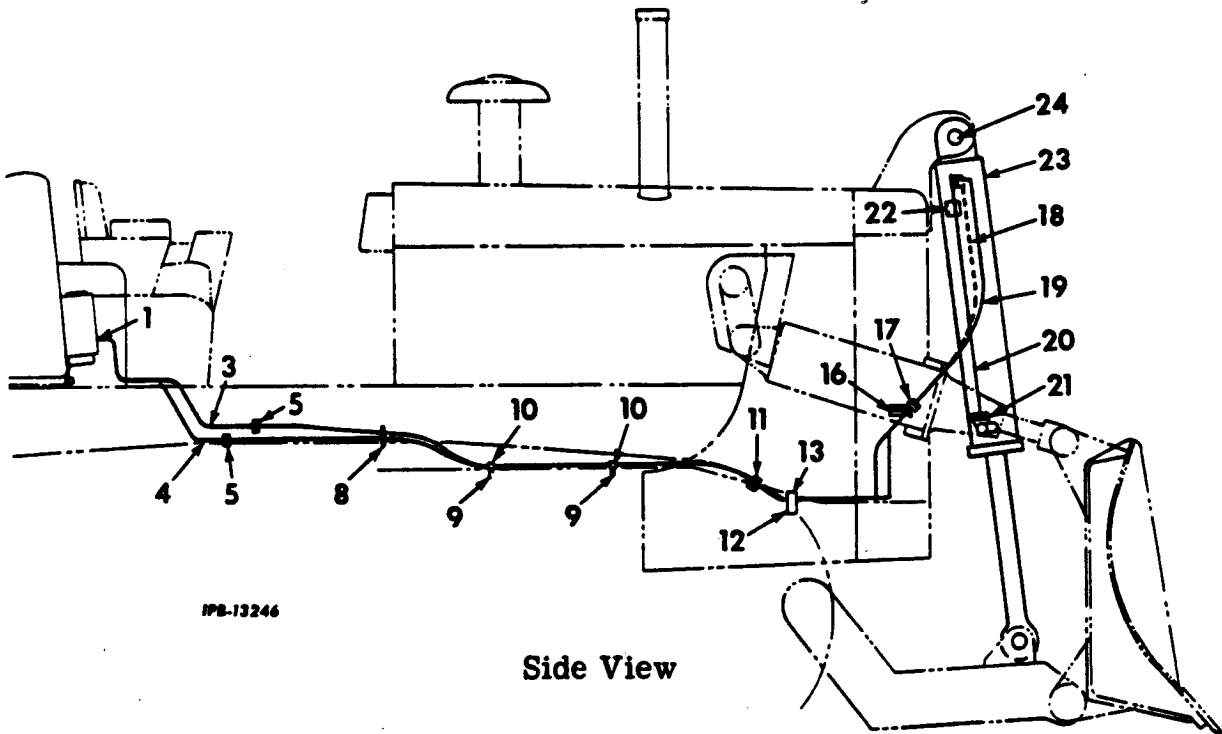
MEMORANDA

HYDRAULICS

CUSHION DOZER HYDRAULIC PIPING AND RELATED PARTS



Top View



IPB-13246

Side View

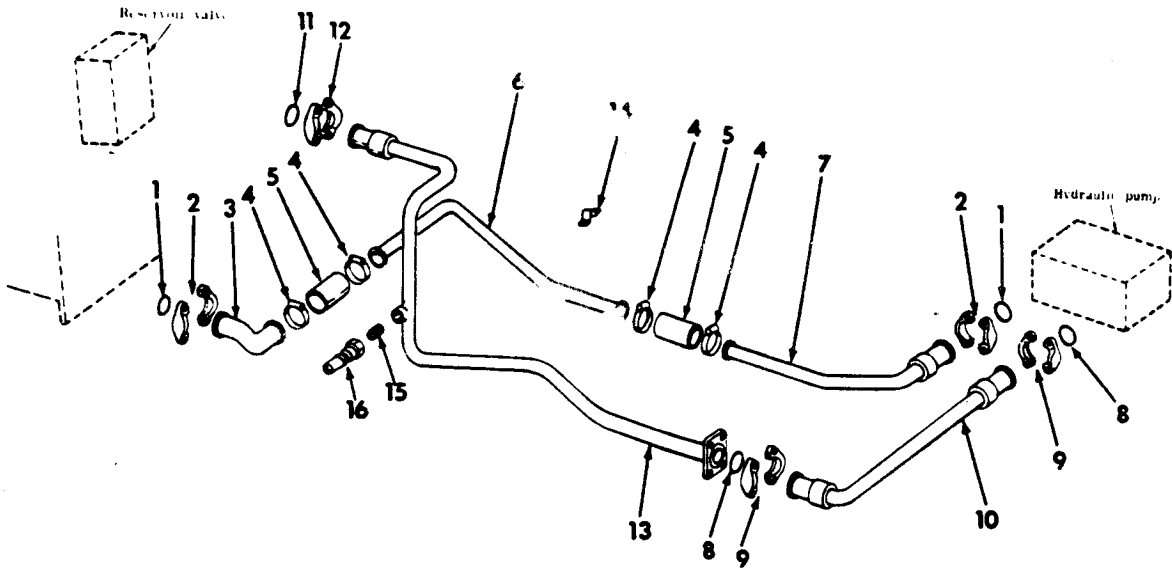
HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CUSHION DOZER HYDRAULIC PIPING AND RELATED PARTS - Continued			15	701 569 C1	TUBE, cylinder raised port Power Shift 2012 and below Manual Shift 2012 and below
1	290 045 R1 343 909 R1 24 850 R1 103 322	CLAMP-HALF, split flange (4) "O" RING (2) SCREW, hex-hd cap (8) WASHER, lock (8)	15	645 736 C1	TUBE, cylinder raised port Power Shift 2013 and up Manual Shift 2013 and up
2	614 732 C1 614 731 C1 9 413 956 25 507 R1	CLAMP, tube (2) ANGLE, clamp support NUT, Stover lock (2) SCREW, hex-hd cap (2)		179 883 103 323 102 637	SCREW, hex-hd cap (2) WASHER, lock (2) NUT (2)
3	700 840 C1	TUBE, inboard	16	618 108 C1 25 526 R1 24 862 R1 103 323 103 343	BAR, cylinder tube support NUT (2) SCREW, hex-hd cap (2) WASHER, lock (2) WASHER, flat (2)
4	700 842 C2	TUBE, outboard			
5	290 045 R1 343 909 R1 24 850 R1 103 322	CLAMP-HALF, split flange (4) "O" RING (2) SCREW, hex-hd cap (8) WASHER, lock (8)	17	290 045 R1 343 909 R1 24 850 R1 103 322	CLAMP-HALF, split flange (8) "O" RING (4) SCREW, hex-hd cap (16) WASHER, lock (16)
6	701 565 C1	HOSE, w/two FITTING, cylinder lower port (HOSE, 1-1/4" ID x 98" long including FITTINGS)	18	701 570 C1	HOSE w/two FITTINGS, cylinder lower (HOSE, 1-1/4" ID x 40" long including FITTINGS)
7	701 566 C1	HOSE, w/two FITTING, cylinder raise port (HOSE, 1-1/4" ID x 94" long including FITTINGS)	19	701 571 C1	HOSE, w/two FITTING, cylinder raise (HOSE, 1-1/4" ID x 40-1/2" long, including FITTINGS)
8	608 338 C1 618 105 C1 25 526 R1 24 867 R1 103 323	CLAMP, hose PLATE, clamp NUT SCREW, hex-hd cap WASHER, lock	20	701 572 C1	MANIFOLD, cylinder raise
9	701 567 C1 24 861 R1 103 323	BRACKET, hose clamp (2) SCREW, hex-hd cap (2) WASHER, lock (2)	21	290 045 R1 343 909 R1 24 850 R1 103 322	CLAMP-HALF, split flange (2) "O" RING SCREW, hex-hd cap (4) WASHER, lock (4)
10	608 338 C1 25 526 R1 103 323	CLAMP, hose (2) NUT (2) WASHER, lock (2)	22	618 121 C1 24 861 R1	CLAMP, manifold SCREW, hex-hd cap (2)
11	290 045 R1 343 909 R1 25 524 R1 24 851 R1 103 322	CLAMP-HALF, split flange (8) "O" RING (4) NUT (4) SCREW, hex-hd cap (4) WASHER, lock (4)	23		CYLINDER ASSY, hydraulic (Refer to "Cushion Dozer Lift Hydraulic Cylinder") (2)
12	618 107 C1 24 861 R1 25 526 R1	BRACKET, tube clamp SCREW, hex-hd cap (2) WASHER, lock (2)	24	611 548 C1 9 413 956 335 070 R1 25 285 R1	PIN, cylinder mounting NUT, Stover lock SPACER (2) SCREW, hex-hd cap
13	608 338 C1 25 526 R1 275 635 R1 103 322	CLAMP, tube NUT SCREW, hex-hd cap WASHER, lock	24	617 771 C1 25 768 R1 103 321	BAFFLE, lower radiator air SCREW, hex-hd cap (5) WASHER, lock (5)
14	701 568 C1	TUBE, cylinder lower port Power Shift 2012 and below Manual Shift 2012 and below			
14	645 735 C1 179 883 103 323 102 637	TUBE, cylinder lower port Power Shift 2013 and up Manual Shift 2013 and up SCREW, hex-hd cap (2) WASHER, lock (2) NUT (2)			

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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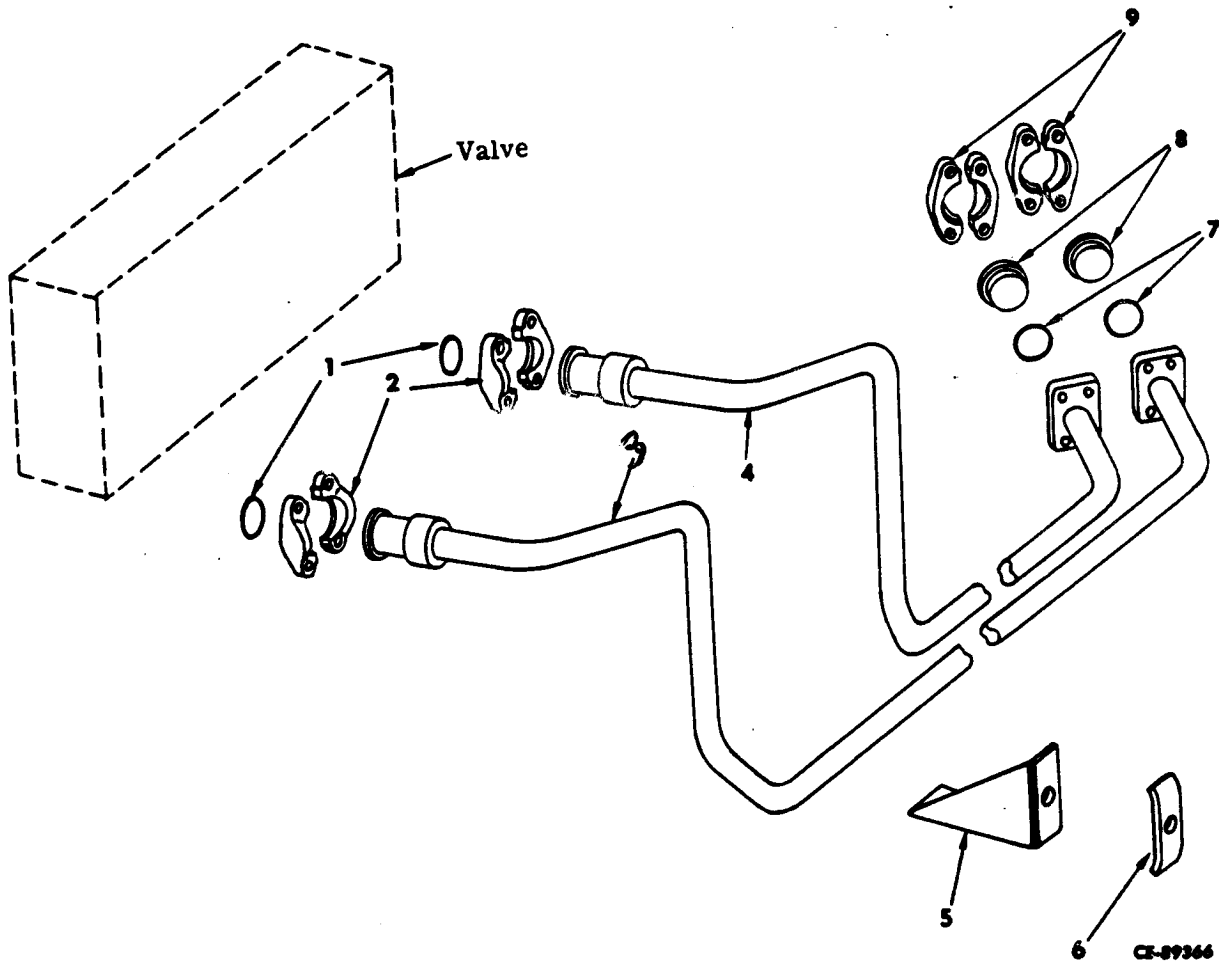
HYDRAULIC CONTROL UNIT, HYDRAULIC SUCTION AND PRESSURE PIPING AND RELATED PARTS



CI-993671

1	310 935 R1	"O" RING (2)	10	646 086 C1	HOSE, w/two FITTINGS, pump pressure tube to control valve (HOSE, 1-1/2" ID x 18-1/2" long, including FITTINGS) (Order PACKAGE, 626 426 C91, for machines equipped w/two spool valve or PACKAGE, 626 430 C91, for machines equipped w/three spool valve) Manual Shift 1082 to 2043 Power Shift 1082 to 2021
2	336 064 R1 24 874 R1	CLAMP-HALF, split flange (4) SCREW, hex-hd cap (8)			
3	700 862 C1	ELBOW, suction			
4	683 255 C1	CLAMP, suction hose (Replaces 613 625 C91) (4)			
5	608 424 C1	HOSE, suction tube coupling (2)			
6	701 560 C1	TUBE, intermediate suction	10	646 745 C1	HOSE, w/two FITTINGS, pump pressure tube to control valve (HOSE, 1-1/2" ID x 20-1/2" long, including FITTINGS) Manual Shift 2044 and up Power Shift 2022 and up
7	700 863 C1	TUBE, suction (at pump)			
8	343 921 R1	"O" RING (2)			
9	301 844 R1 24 862 R1 116 121	CLAMP-HALF, split flange (4) SCREW, hex-hd cap (8) WASHER, lock (8)	11	343 909 R1	"O" RING
			12	290 045 R1 24 850 R1 115 314	CLAMP-HALF, split flange (2) SCREW, hex-hd cap (4) WASHER, lock (4)
10	700 860 C1	HOSE, w/two FITTINGS, pump pressure tube to control valve (HOSE, 1-1/2" ID x 33" long, including FITTINGS) (Order PACKAGE, 626 426 C91, for machines equipped w/two spool valve or PACKAGE, 626 430 C91, for machines equipped w/three spool valve) Manual Shift 1081 and below Power Shift 1081 and below	13	701 530 C1	TUBE, pressure (Order PACKAGE, 626 426 C91) (Used on machines equipped w/two spool valve) Manual Shift 1081 and below Power Shift 1081 and below

**HYDRAULIC CONTROL UNIT, REAR-MOUNTED
EQUIPMENT PIPING AND RELATED PARTS**

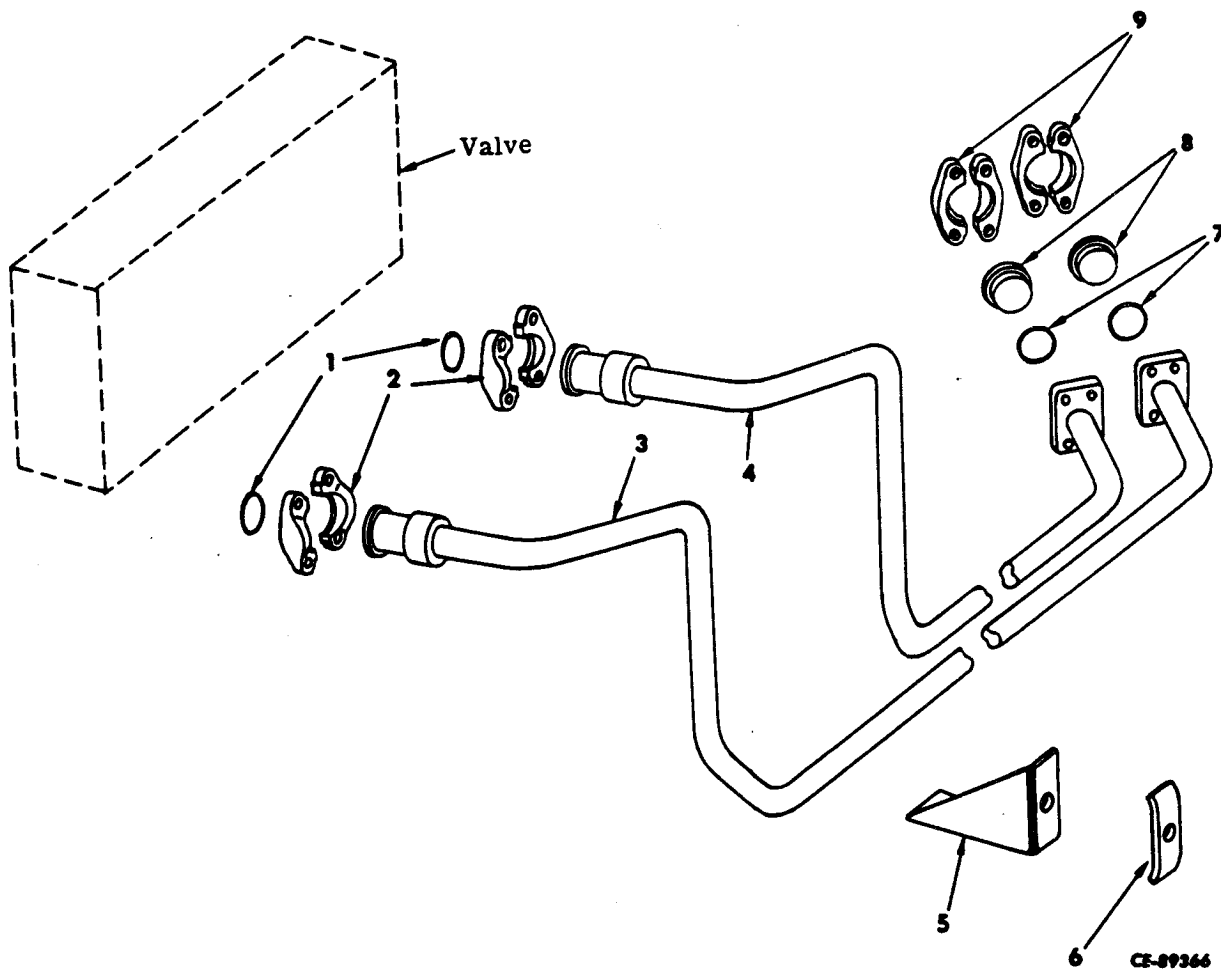


1	343 909 R1	"O" RING (2)	6	614 778 C1	CLAMP, tube
2	290 045 R1	CLAMP-HALF, split flange (4)		25 522 R1	NUT
	24 850 R1	SCREW, hex-hd cap (8)		24 621 R1	SCREW, hex-hd cap
	115 314	WASHER, lock (8)		115 093	WASHER, lock
3	700 867 C1	TUBE, inboard		103 341	WASHER, flat
4	700 868 C1	TUBE, outboard	7	343 906 R1	"O" RING (2)
5	700 869 C1	BRACKET, tube clamp	8	603 517 C1	CAP, tube (2)
	24 861 R1	SCREW, hex-hd cap (2)	9	877 949 C2	CLAMP-HALF, split flange (4)
	116 121	WASHER, lock (2)		140 483 H	SCREW, hex-hd cap (8)
	103 343	WASHER, flat (4)		115 093	WASHER, lock (8)

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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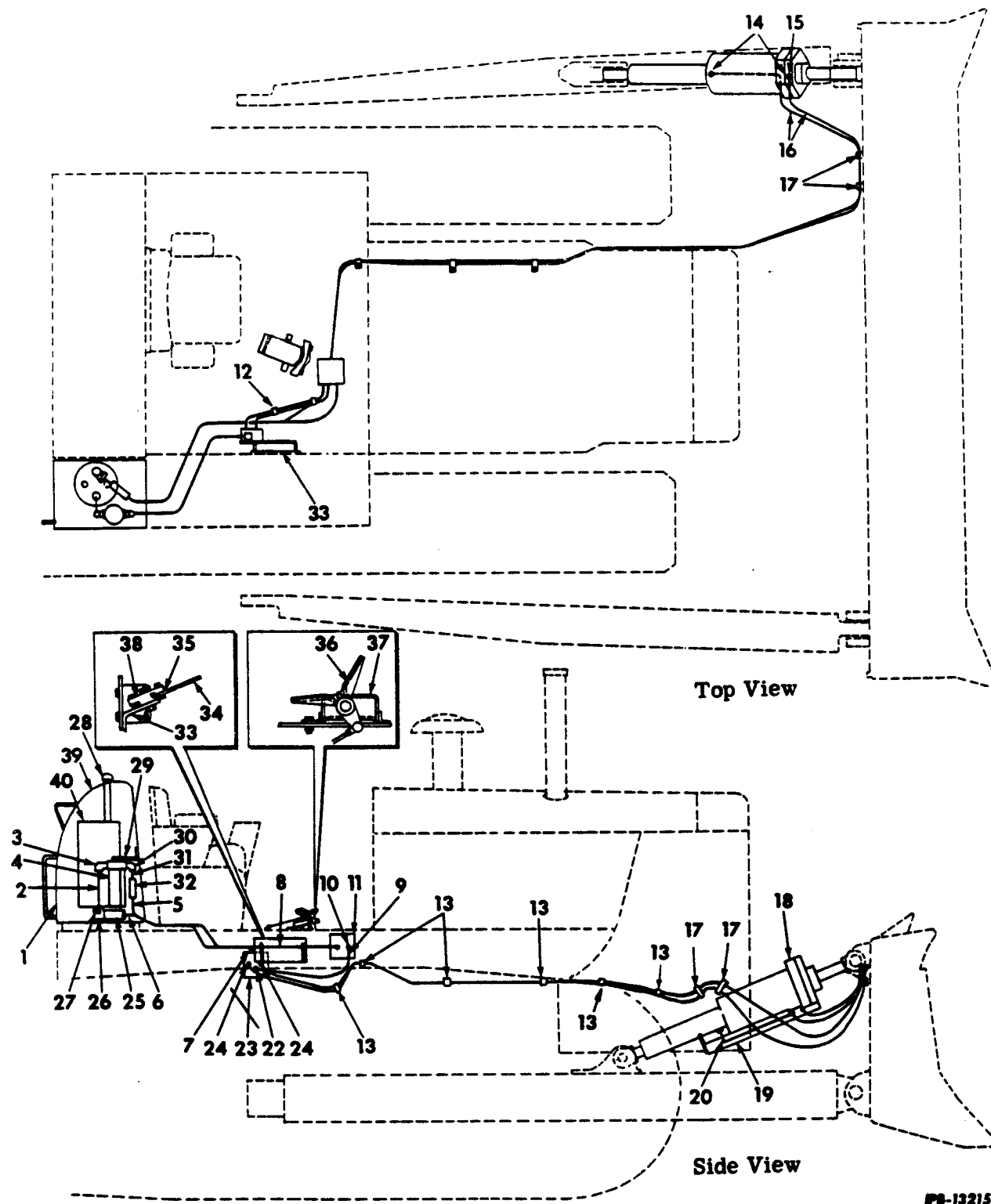
HYDRAULIC CONTROL UNIT, REAR-MOUNTED EQUIPMENT PIPING AND RELATED PARTS



1	343 909 R1	"O" RING (2)	6	614 778 C1	CLAMP, tube
				25 522 R1	NUT
2	290 045 R1	CLAMP-HALF, split flange (4)		24 621 R1	SCREW, hex-hd cap
	24 850 R1	SCREW, hex-hd cap (8)		115 093	WASHER, lock
	115 314	WASHER, lock (8)		103 341	WASHER, flat
3	700 867 C1	TUBE, inboard	7	343 906 R1	"O" RING (2)
4	700 868 C1	TUBE, outboard	8	603 517 C1	CAP, tube (2)
5	700 869 C1	BRACKET, tube clamp	9	877 949 C2	CLAMP-HALF, split flange (4)
	24 861 R1	SCREW, hex-hd cap (2)		140 483 H	SCREW, hex-hd cap (8)
	116 121	WASHER, lock (2)		115 093	WASHER, lock (8)
	103 343	WASHER, flat (4)			

MEMORANDA

HYDRAULIC TILT
Hydraulic Piping and Related Parts (Model 25D-3)



IP8-13215A

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC TILT - Continued			Hydraulic Piping and Related Parts (Model 25D-3)		
	701 551 C91	ATTACHMENT, hydraulic tilt (Used on Model 25D-3, equipped w/ Power Take-Off ATTACHMENTS, 703 087 C91 or 703 520 C91) See NOTE 4)	14	481 352 R1 364 885 R1	CONNECTOR, at cylinder (2) "O" RING (2)
			15	9 410 281	ELBOW, swivel
			16	702 491 C1	HOSE, w/two FITTING (HOSE, 3/8" ID x 111" long, including FITTINGS) at blade (2)
1	701 814 C1 24 860 R1 103 323 103 343	PLATE, side cover SCREW, hex-hd cap (6) WASHER, lock (6) WASHER, flat (6)	17	326 239 R1	CLAMP, half hose (4)
2	700 894 C1	TUBE, return filter to reservoir	17	326 240 R1 24 862 R1 103 323	CLAMP, half hose (4) SCREW, hex-hd cap (4) WASHER, lock (4)
3	9 402 870	ELBOW	18		CYLINDER ASSY, tilt (Refer to "Hydraulic Tilt Cylinder")
4	700 893 C91 25 493 R1 102 639 103 340	FILTER, hydraulic SCREW, hex-hd cap (2) WASHER, lock (2) WASHER, flat (2)	19	701 876 C1 24 861 R1 103 323 103 343	GUARD, tube SCREW, hex-hd cap (4) WASHER, lock (4) WASHER, flat (4)
4	627 450 C1	KIT, filter (service for FILTER, 700 893 C91) (Consists of - § 1 ELEMENT § 1 GASKET § 1 "O" RING § 2 SEAL	20	700 877 C1 24 840 R1 103 321 103 341	TUBE, at cylinder SCREW, hex-hd cap (2) WASHER, lock (2) WASHER, flat (2)
5	618 080 C1	TUBE, suction (intermediate)	21	702 981 C1	HOSE, w/FITTING, at valve (HOSE, 3/8" ID x 171" long, including FITTINGS) (2)
6	700 891 C1	TUBE, return (at valve)	22	700 897 C1 297 459 R1	ELBOW, 90° adjustable "O" RING, 7/8" tube plug
7	9 410 980 297 459 R1	ELBOW, 90° adjustable "O" RING	23	25 500 R1 9 413 953 103 321	VALVE (Refer to "Hydraulic Valve") SCREW, hex-hd cap (3) NUT, Stover lock (3) WASHER, lock (3)
8	700 887 C1 343 921 R1 24 862 R1 103 323	TUBE, suction (at pump) "O" RING SCREW, hex-hd cap (4) WASHER, lock (4)	24	481 352 R1 364 885 R1	CONNECTOR, at valve (2) "O" RING (2)
9	700 889 C1	HOSE, w/FITTING, 313 433 R91, and FITTING, 313 377 R91) (HOSE, 1" ID x 29" long, including FITTINGS) (2)	25	618 081 C1 22 021 R1	HOSE, suction (2) CLAMP, hose (4)
10	877 949 C2 343 906 R1 140 483 H 103 321	HALF, split flange (2) "O" RING, 1-5/16 x 1-9/16 x 1/8" SCREW, hex-hd cap (4) WASHER, lock (4)	26	218 202	ELBOW, street
11	700 888 C91 468 339 R1 24 862 R1 103 323	PUMP, hydraulic "O" RING SCREW, hex-hd cap (2) WASHER, lock (2)	27	700 886 C1 618 082 C1 700 866 C1 24 862 R1 103 343 103 323 25 526 R1	TUBE, suction (at tank) CLAMP, suction tube BRACKET, suction tube clamp SCREW, hex-hd cap (2) WASHER, flat (3) WASHER, lock (2) NUT (2)
12	610 213 C91	STRAP, 5/8 x 14" long (2)	28	119 102 452 957	CAP, 3/4" pipe NIPPLE, 3/4 x 10-1/2" pipe
13	612 354 C1 24 860 R1 24 839 R1 103 323 103 321 25 526 R1	CLAMP, hose (6) SCREW, 1/2" hex-hd cap (3) SCREW, 3/8" hex-hd cap WASHER, 1/2" lock (3) WASHER, 3/8" lock NUT, 1/2"	29	616 670 C1 24 865 R1 103 343 103 323 25 526 R1	BRACKET, filter mounting SCREW, hex-hd cap (2) WASHER, flat (4) WASHER, lock (2) NUT (2)

§ - Not Furnished Separately.

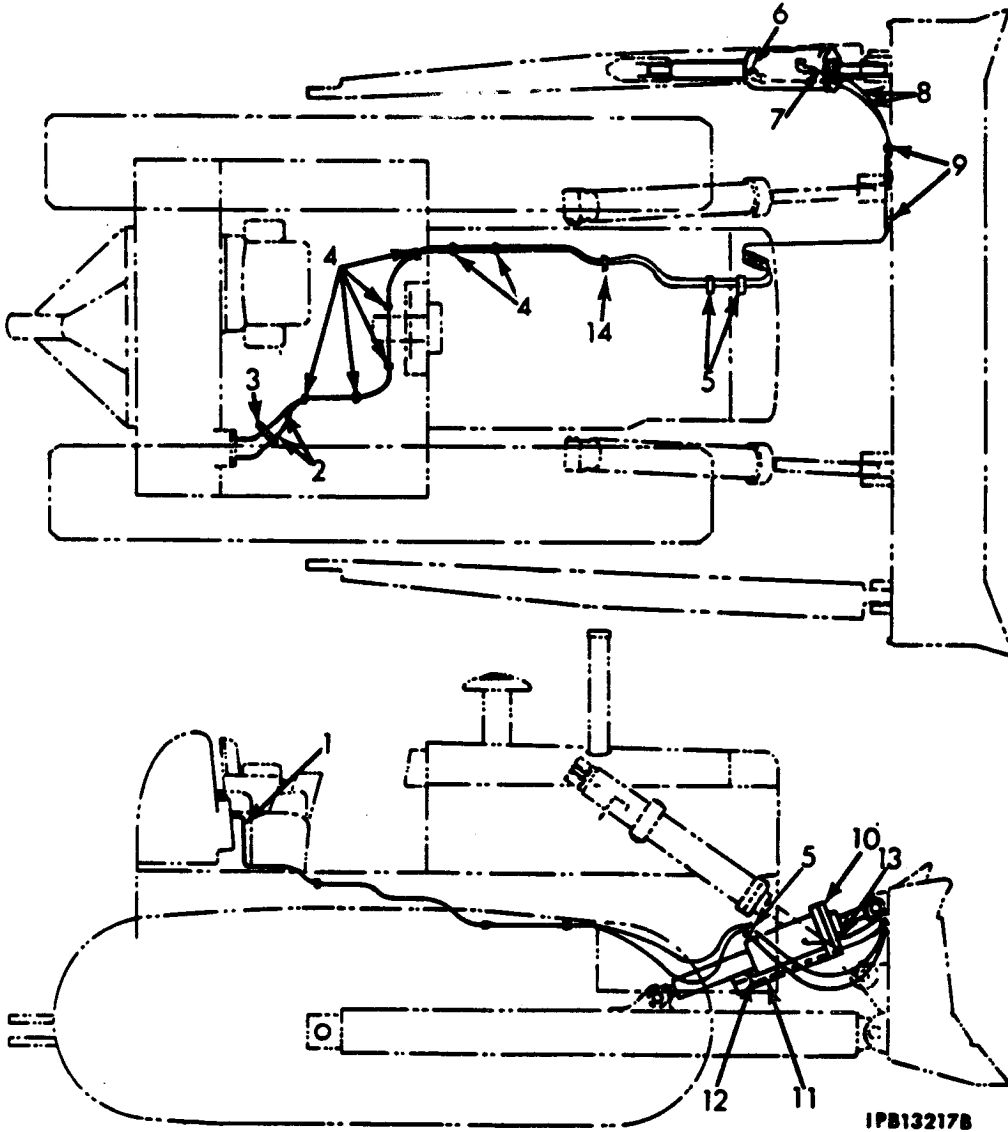
NOTE 4 - Attachment No Longer Available. Service Parts Will Be Furnished As Ordered.

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC TILT - Continued					
Hydraulic Piping and Related Parts (Model 25D-3)					
30	9 402 869 21 116 R1	ELBOW, 90° ADAPTER, reducing pipe	623 415 C1 326 240 R1 24 863 R1		GUARD, hose CLAMP, drilled half (2) SCREW, 1-3/4" long hex-hd cap (2)
31	700 892 C1	TUBE, return (at filter)	24 862 R1		SCREW, 1-1/2" long hex-hd cap (2)
32	343 825 R1 327 081 R91	HOSE, return CLAMP, hose (2)	116 121		WASHER, lock (4)
33	700 890 C1 24 862 R1 103 323 25 526 R1	BRACKET, valve mounting SCREW, hex-hd cap (4) WASHER, lock (4) NUT (4)			
34	618 089 C1 313 561 R91 114 942 16 964 R91 140 483 H 25 932 R1	ROD, tilt control BEARING, rod end (2) NUT, NF (2) FITTING, lubrication (2) SCREW, hex-hd cap (2) NUT, jam (2)			
35	326 177 R1 126 152 326 055 R1 586 633 R91 319 566 R91 24 878 R1 25 528 R1 106 267	BELLCRANK, tilt FITTING, lubrication SLEEVE (2) BEARING (2) SEAL (4) SCREW, hex-hd cap (2) NUT (2) WASHER, flat (4)			
36	326 054 R1 24 878 R1 106 267 25 528 R1 109 461	PEDAL, tilt SCREW, hex-hd cap WASHER, flat (2) NUT FITTING, pedal tilt lubrication			
37	700 899 C1 24 860 R1 103 323 25 526 R1	REST, tilt foot SCREW, hex-hd cap (4) WASHER, lock (4) NUT (4)			
38	326 179 R1 317 148 R1 313 561 R91 114 942 117 175 140 483 H 25 932 R1	ROD, control link CLEVIS, valve END NUT, NF (2) FITTING, lubrication SCREW, hex-hd cap NUT, jam			
39		COMPARTMENT (Not furnished separately)			
	24 888 R1 369 857 R1	SCREW, hex-hd cap (6) WASHER (6)			
40		RESERVOIR, hydraulic (Not fur- nished separately)			
	24 860 R1 103 323 103 343	SCREW, hex-hd cap (4) WASHER, lock (4) WASHER, flat (4)			
	103 495	PIN, rod end			
	107 762	PIN, cotter			

MEMORANDA

HYDRAULIC TILT
Hydraulic Tilt and Related Parts (Model 25D-2)



IPB13217B

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC TILT Hydraulic Tilt and Related Parts (Model 25D-2) - Continued			9	326 239 R1	CLAMP, tapped half (Attachment A) (4)
A	620 536 C91	ATTACHMENT, hydraulic tilt (See NOTE 4)		326 240 R1 24 862 R1 116 121	CLAMP, drilled half (4) SCREW, hex-hd cap (4) WASHER, lock (4)
B	623 413 C91	ATTACHMENT, hydraulic tilt (See NOTE 2)	9	623 415 C1	GUARD, hose (Attachment B) (Service Parts C)
C		SERVICE PARTS for hydraulic tilt (For power shift PAY Dozers)		705 574 C1 24 863 R1	CLAMP, drilled half (2) SCREW, 1-3/4" long, hex-hd cap (2)
1	9 410 203 570 828 R1	CONNECTOR, straight (2) "O" RING (2)		24 862 R1 116 121	SCREW, 1-1/2" long, hex-hd cap (2) WASHER, lock (4)
2	702 980 C2	HOSE, w/two FITTINGS, tube to cylinder hose, 3/8" ID x 200" long, including FITTINGS (Attachment A and B) (2)	10		CYLINDER, tilt (Refer to "Hydraulic Tilt Cylinder")
2	650 442 C1	HOSE, w/two FITTINGS, tube to cylinder hose, 3/8" ID x 200" long, including FITTINGS (Service Parts C) (2)	11	701 876 C1	GUARD, tube Manual Shift 6211 and below Power Shift 6211 and below
3	278 688 R1	CLAMP, hose		24 861 R1 116 121 103 343	SCREW, hex-hd cap (4) WASHER, lock (4) WASHER, flat (4)
4	610 213 C91	STRAP, hose (7)	11	707 129 C1	GUARD, cylinder Manual Shift 6212 and up Power Shift 6212 and up
5	612 213 C1 24 839 R1 25 526 R1 115 093	CLAMP, hose (2) SCREW, hex-hd cap NUT WASHER, lock		25 687 R1 25 555 R1 9 412 230	BOLT (2) WASHER (4) NUT (2)
6	481 352 R1	CONNECTOR, straight (2) Manual Shift 6211 and below Power Shift 6211 and below	12	700 877 C1 24 840 R1 115 093 103 341	TUBE, tilt cylinder SCREW, hex-hd cap (2) WASHER, lock (2) WASHER, flat
6	936 450 R91 364 885 R1	ELBOW, 90° (2) Manual Shift 6212 and up Power Shift 6212 and up "O" RING (2)	13	308 579 R1	CLAMP (Attachment B) (Service Parts C) (2) Manual Shift 6212 and up Power Shift 6212 and up
7	9 410 281	CONNECTOR, 90° swivel		24 839 R1 115 093 25 522 R1	BOLT WASHER NUT
8	702 491 C1	HOSE, w/two FITTINGS, 3/8" ID x 111" long, including FITTINGS (Attachment A and B) (2) Manual Shift 6211 and below Power Shift 6211 and below	14	618 746 C1	CLAMP, hose (Attachment B) (Service Parts C)
8	711 804 C1	HOSE, w/two FITTINGS 3/8" ID x 111" long including FITTINGS (Attachment A and B) (2) Manual Shift 6212 and up Power Shift 6212 and up		24 860 R1 116 121 1 085 489 R1	SCREW, hex-hd cap WASHER, lock PAMPHLET installation instruction (Attachment B)
8	650 441 C1	HOSE, w/two FITTINGS, 3/8" ID x 111" long, including FITTINGS (Service Parts C) (2) Power Shift 6211 and below	14	618 746 C1	CLAMP, hose (Attachment A)
8	711 805 C1	HOSE, w/two FITTINGS 3/8" ID x 111" long including FITTINGS (Service Parts 6) (2) Power Shift 6212 and up		103 323 179 881	WASHER, lock BOLT

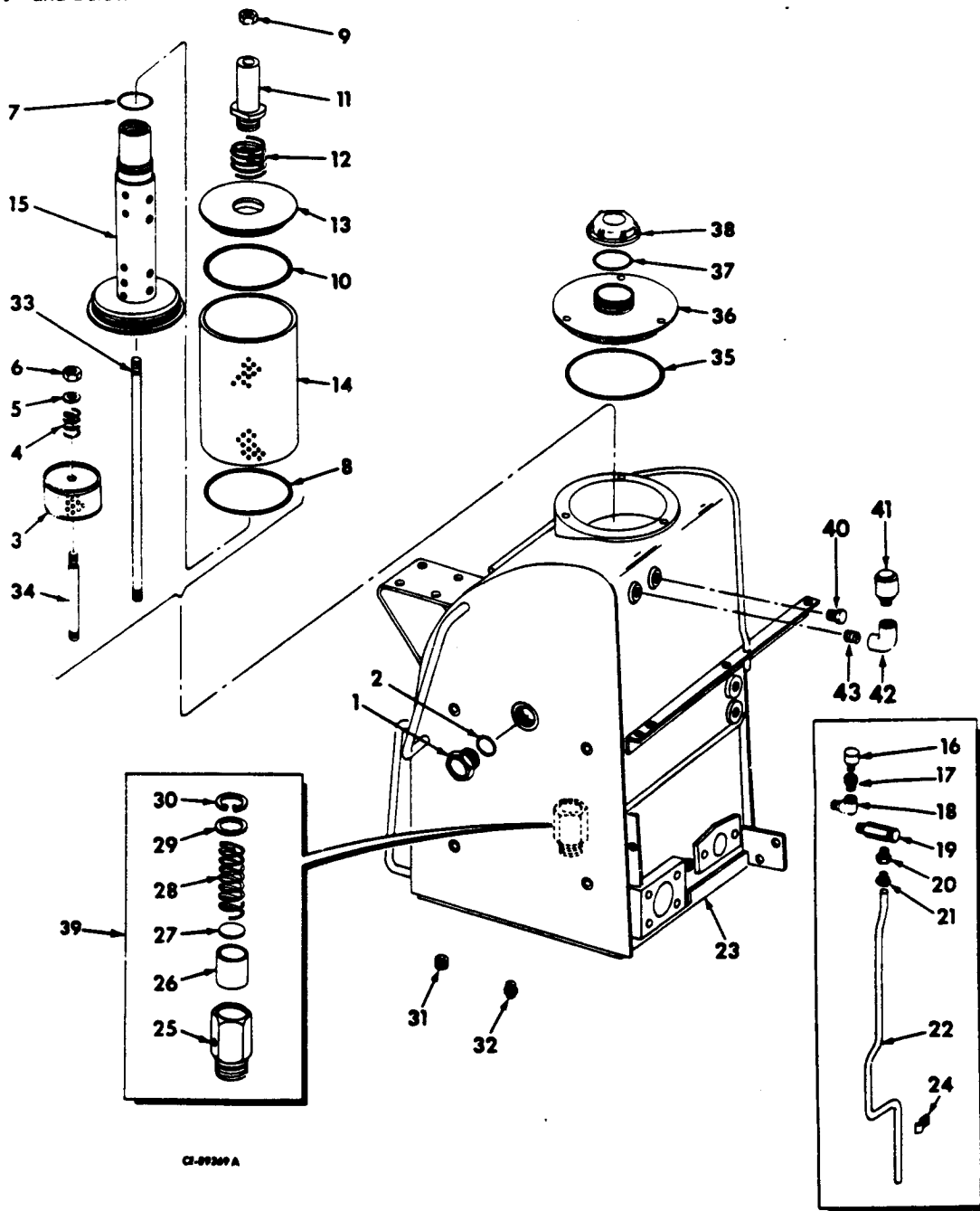
NOTE 2 - Field Application - Order on Machine Order Form.

NOTE 4 - Attachment No Longer Available. Service Parts Will Be Furnished.

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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HYDRAULIC CONTROL UNIT, HYDRAULIC RESERVOIR Power Shift * and Below Manual Shift * and Below



1	615 391 C1	PLUG, oil level	6	454 522 R1	NUT, lock
2	307 915 R1	"O" RING	7	382 432 R1	"O" RING
3	662 367 C1	STRAINER, suction	8	3 042 934 R1	"O" RING
4	250 567 R1	SPRING, suction strainer	9	17 161 R1	NUT, lock
5	103 343	WASHER	10	3 042 934 R1	"O" RING

* - Serial Number Not Available.

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC CONTROL UNIT, HYDRAULIC RESERVOIR - Continued Power Shift * and Below Manual Shift * and Below			31	280 668 R91	PLUG, magnetic
			32	444 577	PLUG, sq-hd pipe
			33	618 476 C1	STUD, return filter
11	700 804 C1	RETAINER, spring	34	618 481 C1	STUD, suction strainer
12	605 049 C1	SPRING, return filter hold-down	35	22 400 R1	"O" RING
13	700 805 C1	SUPPORT, filter	36	700 803 C1	COVER, reservoir
14	336 670 R5	FILTER, return oil	24 861 R1		SCREW, hex-hd cap (3)
14	666 219 C1	FILTER, return oil	103 323		WASHER, lock (3)
15	700 806 C1	BASE, filter	37	305 799 R1	RING, filler cap seal (Used w/CAP, 701 808 C1)
16	324 042 R91	BREATHER, reservoir Manual Shift 1670 and below Power Shift 1751 and below	37	618 688 C1	GASKET (Used w/CAP, 701 922 C2)
			38	701 922 C2	CAP w/GASKET, 618 688 C1, filler (Will work for CAP, 701 808 C1)
17	333 811 R91	VALVE, check Manual Shift 1670 and below Power Shift 1751 and below	39	335 321 R92	VALVE ASSY, surge
18	444 040	Elbow, 1/4 x 90° street Manual Shift 1670 and below Power Shift 1751 and below	40	444 654	PLUG, NPT Manual Shift 1671 to * Power Shift 1752 to *
19	338 863 R91	VALVE, check Manual Shift 1670 and below Power Shift 1751 and below	41	657 882 C91	VALVE, pressure vacuum relief (Optional w/VALVE, 659 078 C91) (Also see KIT, 883 170 C91, for service) Manual Shift 1671 to * Power Shift 1752 to *
20	42 409 D	CONNECTOR, tube Manual Shift 1670 and below Power Shift 1751 and below	41	659 078 C91	VALVE, pressure vacuum relief (Optional w/VALVE, 657 882 C91) Manual Shift 1671 to * Power Shift 1752 to *
21	19 986 R1	NUT, tube Manual Shift 1670 and below Power Shift 1751 and below	42	217 984	ELBOW, 3/8 x 3/4" NPT Manual Shift 1671 to * Power Shift 1752 to *
22	614 758 C1	TUBE, overflow Manual Shift 1670 and below Power Shift 1751 and below	43	121 207	NIPPLE, 3/8 NPT x 1" long Manual Shift 1671 to * Power Shift 1752 to *
23	700 800 C2 24 888 R1 25 538 R1	RESERVOIR, hydraulic SCREW, hex-hd cap (6) WASHER (6)	883 170 C91		KIT, seal repair (For VALVE, 657 882 C91) (Consists of the following parts - s 1 RING, lock s 1 SEAL, filter s 1 SEAL, poppet s 1 SEAL, sleeve
24	299 902 R1 25 902 R1 103 322	CLIP, overflow tube Manual Shift 1670 and below Power Shift 1751 and below SCREW, hex-hd cap WASHER, lock			
25		HOUSING, surge valve (Not furnished separately)			
26	335 322 R2	POPPET			
27	321 997 R1	SPACER (X)			
28	328 253 R1	SPRING, poppet			
29	103 347	WASHER			
30	631 449 R1	RING, snap			

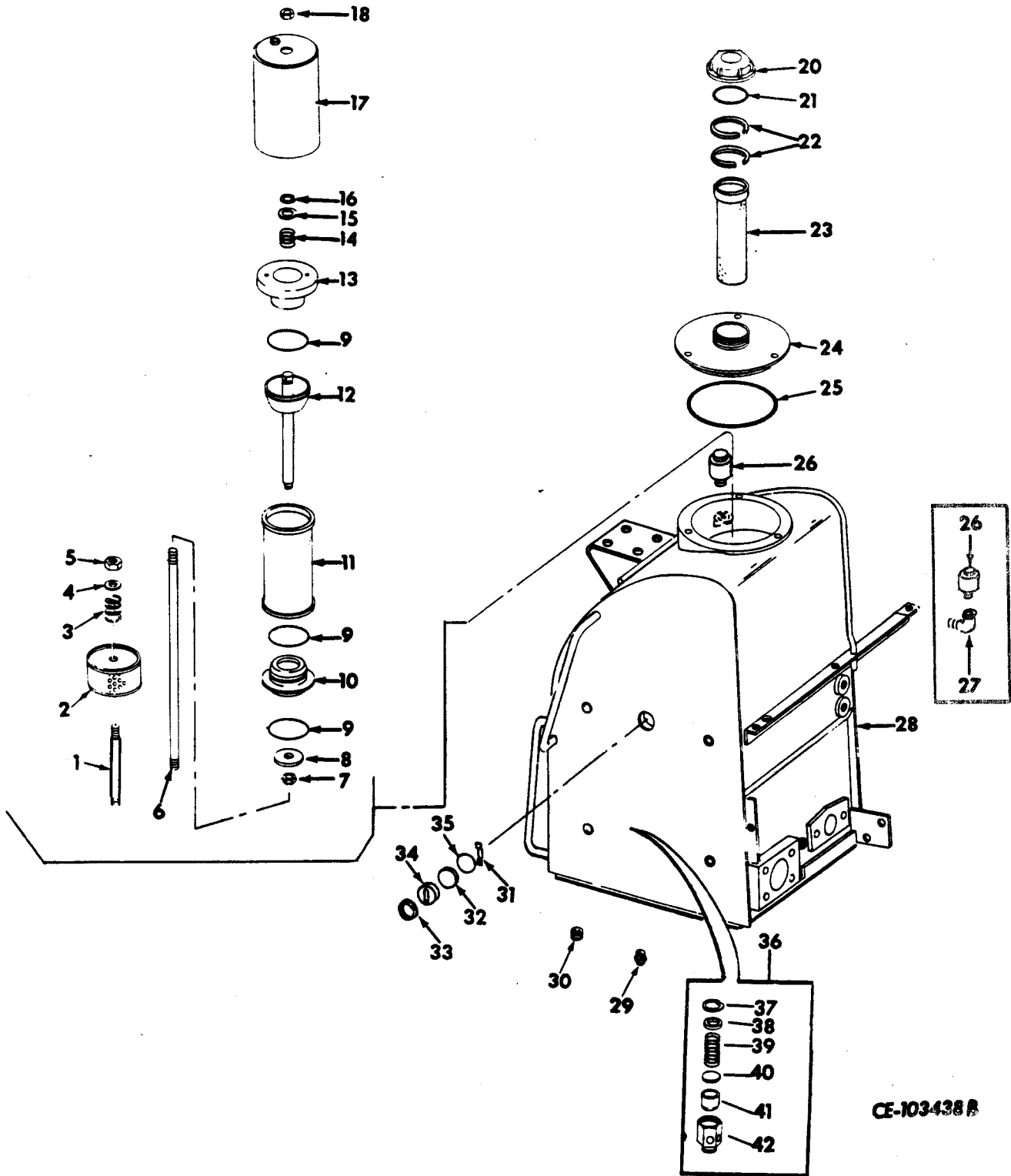
s - Not Furnished Separately.

(X) - As Required.

* - Serial Number Not Available.

HYDRAULICS

HYDRAULIC CONTROL UNIT, HYDRAULIC EQUIPMENT RESERVOIR Power Shift * to 2037 Manual Shift * to 2037



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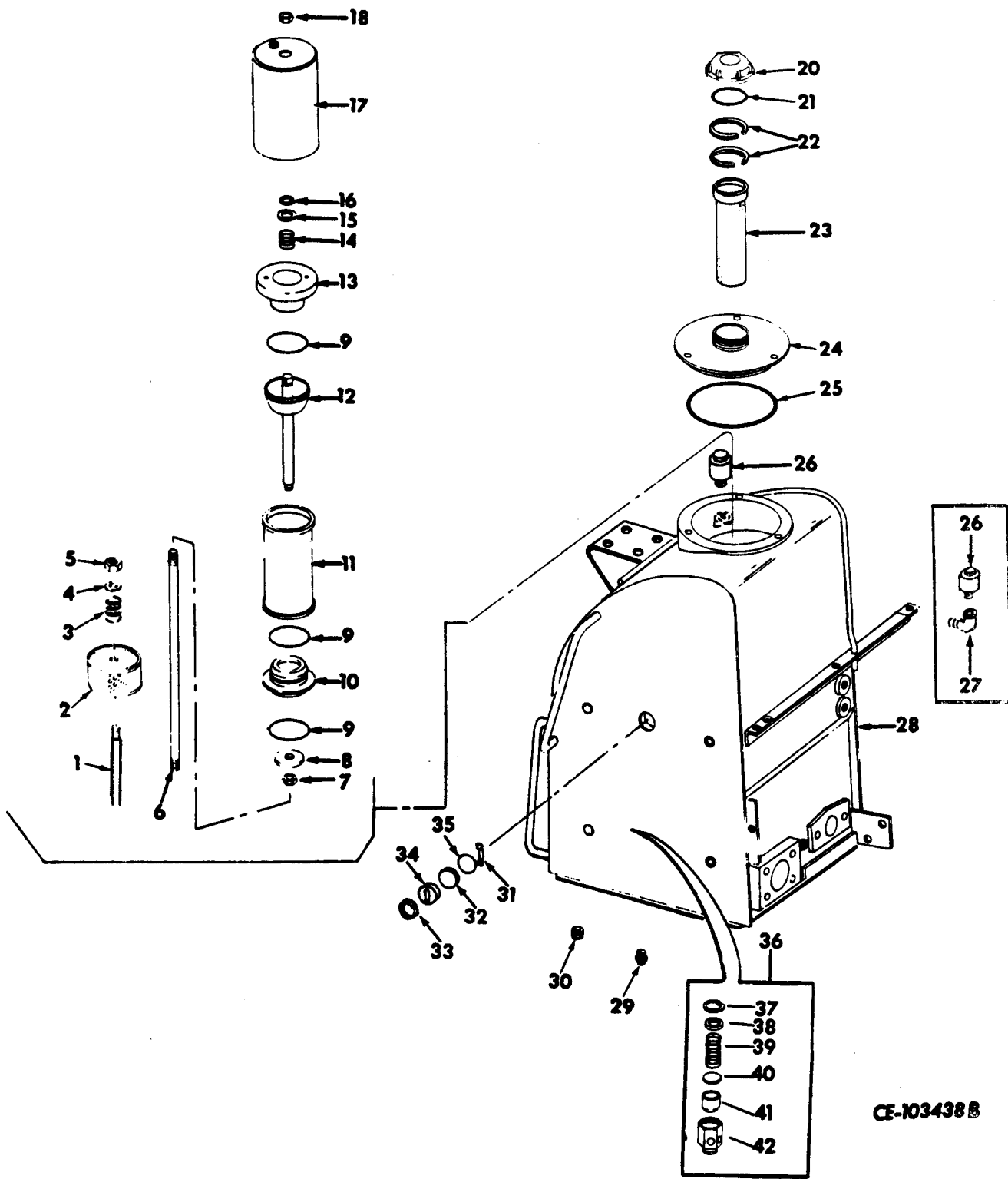
HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC CONTROL UNIT, HYDRAULIC EQUIPMENT RESERVOIR - Continued Power Shift * to 2037 Manual Shift * to 2037			28	659 011 C5	RESERVOIR, w/STUD, 618 481 C1, and STUD, 656 930 C2, hydraulic steering and equipment (Will work for RESERVOIR, 659 011 C4)
				24 888 R1	SCREW, hex-hd cap (6)
				25 538 R1	WASHER (6)
1	614 481 C1	STUD, strainer			
2	662 367 C1	STRAINER, suction	29	444 577	PLUG, sq-hd pipe
3	250 567 R1	SPRING	30	280 668 R91	PLUG, magnetic
4	25 536 R1	WASHER	31	656 106 C1	REFLECTOR
5	454 522 R1	NUT, nylon insert lock	32	656 104 C1	LENS, sight gauge
6	656 930 C2	STUD, filter	33	23 414 R1	RING, snap
7	666 001 C1	NUT, lock	34	656 105 C1	WASHER (Replaces, 656 475 C1)
8	656 391 C1	PLATE, filter	35	22 288 R1	"O" RING
9	252 556 R1	"O" RING (3)	36	605 058 C91	VALVE ASSY, surge
10	656 390 C2	BASE, filter	37	631 449 R1	RING, valve snap
11	336 670 R5	ELEMENT, return filter	38	103 347	WASHER, flat
	or				
11	666 219 C1	ELEMENT, return filter	39	605 059 C1	SPRING, valve
12	656 923 C1	SUPPORT, filter	40	321 997 R1	SPACER, valve (X)
				OR	
13	656 489 C1	RETAINER, filter	40	738 070 C1	WASHER, spring (1)
14	618 582 C1	SPRING	41	335 322 R2	POPPET, valve
15	Q-3483	WASHER	42		HOUSING, surge valve (Not furnished separately)
16	199 037 H1	RING, snap		23 383 R1	PLUG (2)
17	656 925 C1	SHROUD, filter		368 269 R1	"O" RING (2)
18	17 161 R1	NUT, lock			
20	701 922 C2	CAP, w/GASKET, 618 688 C1, filler			
21	618 688 C1	GASKET, filter cap			
22	317 943 R1	RING, snap (2)			
23	624 478 C1	STRAINER, filler			
24	700 803 C2	COVER, w/FILLER NECK			
	24 861 R1	SCREW, hex-hd cap (3)			
	116 121	WASHER, lock (3)			
25	22 400 R1	"O" RING			
26	657 882 C91	VALVE, pressure vacuum relief (Also see Seal Repair KIT, 883 170 C91, for service)			
	- or -				
26	659 078 C91	VALVE, pressure vacuum relief (Also see Seal Repair KIT, 925 262 C91, for service)			
27	141 621	ELBOW, reservoir pressure vacuum relief valve (Use with RESERVOIR, 659 011 C4)			

(X) - As Required.

STEERING AND HYDRAULIC EQUIPMENT RESERVOIR

Power Shift 2038 and up
Manual Shift 2038 and up



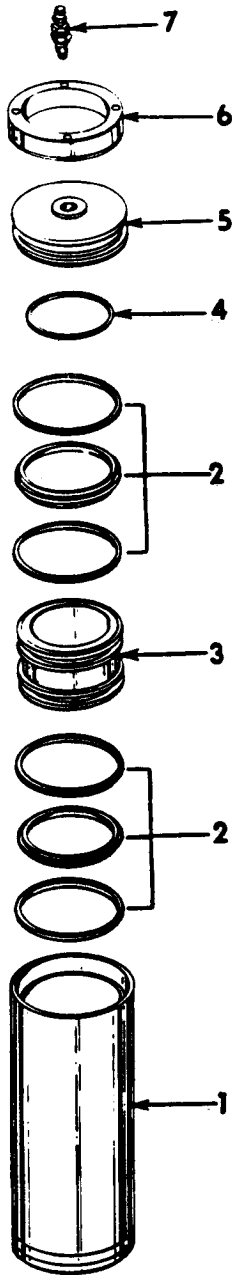
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HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
STEERING AND HYDRAULIC EQUIPMENT RESERVOIR			27	141 621	ELBOW, reservoir pressure vacuum relief valve (Use w/RESERVOIR, 659 011 C4)
- Continued			28	659 011 C5	RESERVOIR, w/STUD, 618 481 C1, and STUD, 656 930 C2, hydraulic steering and equipment (Will work for RESERVOIR, 659 011 C4)
Power Shift 2038 and up				24 888 R1	SCREW, hex-hd cap (6)
Manual Shift 2038 and up				25 538 R1	WASHER (6)
1	618 481 C1	STUD, strainer	29	444 577	PLUG, sq-hd pipe
2	662 367 C1	STRAINER, suction	30	280 668 R91	PLUG, magnetic
3	250 567 R1	SPRING	31	656 106 C1	REFLECTOR
4	25 536 R1	WASHER	32	656 104 C1	LENS, sight gauge
5	454 522 R1	NUT, nylon insert lock	33	23 914 R1	RING, snap
6	656 930 C2	STUD, filter	34	656 105 C1	WASHER (Replaces, 656 475 C1)
7	666 001 C1	NUT, lock	35	22 288 R1	"O" RING
8	656 391 C1	PLATE, filter	36	605 058 C91	VALVE ASSY, surge
9	252 556 R1	"O" RING (3)	37	631 449 R1	RING, valve snap
10	656 390 C2	BASE, filter	38	103 347	WASHER, flat
11	336 670 R5	ELEMENT, return filter	39	605 059 C1	SPRING, valve
11	or 666 219 C1	ELEMENT, return filter	40	321 997 R1	SPACER, valve (X)
12	656 923 C1	SUPPORT, filter	41	335 322 R2	POPPET, valve
13	656 489 C1	RETAINER, filter	42		HOUSING, surge valve (Not furnished separately)
14	618 582 C1	SPRING		883 170 C91	KIT, seal repair (For VALVE, 657 882 C91) (Consists of three Seals and one "O" Ring)
15	Q-3483	WASHER		925 262 C91	KIT, seal repair (For VALVE, 659 078 C91) (Consists of two Gaskets and one "O" Ring)
16	199 037 H1	RING, snap			
17	656 925 C1	SHROUD, filter			
18	17 161 R1	NUT, lock			
20	701 922 C2	CAP, w/GASKET, 618 688 C1, filler			
21	618 688 C1	GASKET, filler cap			
22	317 943 R1	RING, snap (2)			
23	624 478 C1	STRAINER, filler			
24	656 094 C1	COVER (Optional w/COVER, 700 803 C2)			
24	700 803 C2	COVER (Optional w/COVER, 656 094 C1)			
	24 861 R1	SCREW, hex-hd cap (3)			
	116 121	WASHER, lock (3)			
25	22 400 R1	"O" RING			
26	657 882 C91	VALVE, pressure vacuum relief (Also see Seal Repair KIT, 883 170 C91, for service)			
26	- or - 659 078 C91	VALVE, pressure vacuum relief (Also see Seal Repair KIT, 925 262 C91, for service)			(X) - As Required.

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
STEERING ACCUMULATOR Power Shift 2037 and below Manual Shift 2037 and below			4	606 922 C1	"O" RING
			5		GAS END (Not furnished separately)
			6		NUT, retainer (Not furnished separately)
			7	215 693 H1	VALVE, gas



CE-98392

603 900 C91 ACCUMULATOR, hydraulic (Consists of the following parts -

- 1 CYLINDER (Not furnished separately)
- 2 606 920 C91 G T RING (2)
- 3 PISTON (Not furnished separately)

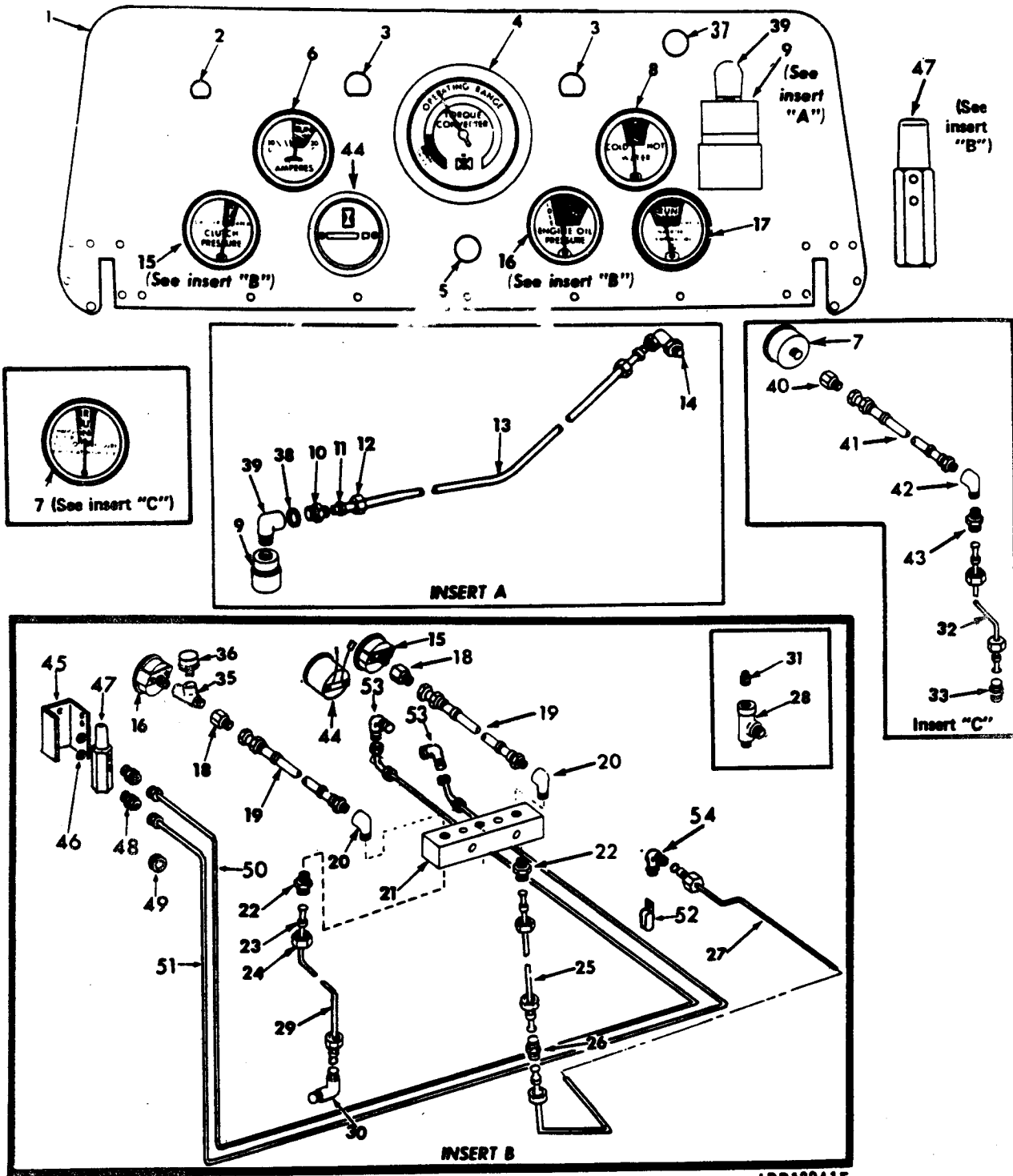
**REFER TO ALPHABETICAL INDEX
FOR COMPLETE LISTING OF PARTS**

INSTRUMENTS

1

INSTRUMENTS

INSTRUMENTS AND RELATED PARTS (For Power Shift Crawler Tractors)



INSTRUMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
INSTRUMENTS AND RELATED PARTS - Continued (For Power Shift Crawler Tractors) 6057 and below			13	612 650 C11	TUBE w/two NUT, 606 925 C1 and two SLEEVE, 606 926 C1, air cleaner filter indicator Power Shift 737 and below
1		PANEL, instrument (Refer to "Instrument Panel and Related Parts")	13	624 409 C91	TUBE w/two NUT, 606 925 C1 and two SLEEVE, 606 926 C1 air cleaner filter indicator Power Shift 738 to 6057
2		SWITCH, lighting (Refer to "Lighting Switch")		59 995 R1	GROMMET, air cleaner tube (on dash support top angle)
3		LIGHT, panel (Refer to "Electric Lighting and Starting") (2)	14	610 040 C1	ELBOW, air cleaner indicator tube (at air cleaner)
4		TACHOMETER (Refer to "Tachometer") Power Shift 737 and below	15	706 005 C1	GAUGE, clutch oil pressure (Replaces 619 739 C91)
5	454 168	PLUG, starting switch hole button Power Shift 1949 and below	15	715 668 C1	GAUGE, clutch oil pressure
5		SWITCH, starting (Refer to "Starting Switch") Power Shift 1950 to 6057	16	713 167 C1	GAUGE, engine oil pressure
6	702 284 C1	AMMETER (Not for Arctic Power Shift) (Not used w/ATTACHMENT, 632 571 C91) 5469 and below	16	706 003 C1	GAUGE, engine oil pressure
6	651 688 C2	VOLTMETER	17	706 001 C1	GAUGE w/CAPILLARY TUBE torque converter temperature (Replaces, 619 674 C91)
6	715 691 C1	VOLTMETER		144 051	ADAPTER, torque converter temperature sending unit reducing (at torque converter tee)
		5470 to 6057		358 902 R1	CLIP, temperature gauge capillary tube (2) 3569 and below
7	663 407 C1	GAUGE, fuel pressure Power Shift 3709 and below		362 120 R1	CLIP, temperature gauge capillary tube 3569 and below
7	432 577	PLUG, fuel pressure gauge hole Power Shift 3710 to 5485		263 717 R91	CLIP, temperature gauge capillary tube 3570 to 6057
8	702 222 C1	GAUGE w/CAPILLARY TUBE, water temperature (Not used w/Engine Enclosure Attachment)	18	9 402 745	ADAPTER (2)
	263 514 R91	CLIP, water temperature gauge capillary tube (on top L.H. rear air cleaner mounting bracket bolt) Power Shift 737 and below	19	651 799 C1	HOSE w/FITTINGS, engine oil pressure and clutch oil pressure (HOSE, 3/16" ID x 13-1/2" long, including FITTINGS) (2)
	702 093 C1	STRAP, around water capillary tube and turbocharger lube tube	20	9 409 931	ELBOW (on top of junction block) (2)
	702 093 C1	STRAP, around No. 2 injection tube and water capillary tube (Not used w/CAB)	21	334 445 R1 25 654 R1 116 120 178 532	BLOCK, junction (on dash support) SCREW, hex-hd cap (2) WASHER, 5/16" lock WASHER, 5/16" lock (for grounding instrument panel cable)
9	346 666 R91	INDICATOR, air cleaner filter service Power Shift 1968 and below	22	606 885 C1	CONNECTOR (2)
9	366 078 C1	INDICATOR, air cleaner filter service Power Shift 1969 to 6057	23	915 500 R1	SLEEVE (8)
	21 872 R1	WASHER, flat	24	915 499 R1	NUT (8)
10	606 999 C1	CONNECTOR, air cleaner filter service indicator tube	25	620 077 C21	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, clutch oil pressure gauge (upper)
11	606 926 C1	SLEEVE (2)	26	606 049 C1	UNION, upper and lower tube
12	606 925 C1	NUT (2)			

INSTRUMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
INSTRUMENTS AND RELATED PARTS - Continued (For Power Shift Crawler Tractors) 6057 and below			41	651 799 C1	HOSE w/FITTINGS, fuel pressure gauge to junction block (HOSE 3/16" ID x 13-1/2" long including FITTINGS) Power Shift 3709 and below
27	617 735 C21	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, clutch oil pressure gauge (lower)	42	9 409 931	ELBOW, fuel pressure gauge hose Power Shift 3709 and below
28	610 000 C1	TEE, clutch oil pressure gauge tube (at regulator) Power Shift * and below	43	606 885 C1	CONNECTOR (at junction block) Power Shift 3709 and below
29	617 915 C21	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, engine oil pressure gauge		263 514 R91	CLIP, clutch oil and lube pressure tube (mount (1) tapping block below flywheel housing on L.H. front frame) (mount (1) on tapping block below safety filter housing on L.H. front frame) (2)
	278 834 R21	CLAMP (at dash) (2)	44	709 145 C2	HOURMETER Power Shift 5486 to 6057
	263 514 R91	CLIP (on rear center bolt of push rod chamber cover)	44	715 916 C1	HOURMETER Power Shift 5486 to 6057
	603 420 C1	PAD, clamp (2) Power Shift 737 and below	45	715 765 C1	BRACKET, indicator mounting (Part of Pressure Filter Indicator Attachment) BOLT (2) NUT (2) WASHER, flat (4) WASHER, lock (2)
	25 487 R1	SCREW, hex-hd cap (2)		25 483 R1	
	113 114	WASHER, lock		25 519 R1	
	278 836 R2	PAD, clamp (2) Power Shift 738 and up		25 551 R1	
30	319 615 R1	ELBOW, engine oil pressure gauge tube (at crankcase)		115 109	
31	444 613	PLUG (Not used with pressure test coupling) (2) Power Shift * and below	46	715 753 C1	WASHER, insulator (Part of Pressure Filter Indicator Attachment)
32	620 079 C21	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, fuel pressure gauge Power Shift 3709 and below	47	715 647 C1	INDICATOR, pressure filter (Part of Pressure Filter Indicator Attachment) BOLT (2) WASHER, flat
33	606 673 C1	CONNECTOR, fuel pressure gauge tube (at final fuel filter) Power Shift 3709 and below	48	9 402 706	CONNECTOR, tube (Part of Pressure Filter Indicator Attachment) (2)
35	444 550	TEE, engine oil pressure switch (optional with TEE, 9 409 943) (Not for Arctic Power Shift)	49	115 329 R1	GROMMET (Part of Pressure Filter Indicator Attachment)
35	9 409 943	TEE, engine oil pressure switch (optional with TEE, 444 550) (Not for Arctic Power Shift)	50	715 769 C1	HOSE w/FITTINGS, low on indicator to output on filter (3/16" ID x 80" long including fittings) (Part of Pressure Filter Indicator Attachment)
36	663 392 C1	SWITCH, engine oil pressure (externally grounded) Power Shift 5486 to *	51	715 770 C1	HOSE w/FITTINGS, high on indicator to input on filter (3/16" ID x 90" long including fittings) (Part of Pressure Filter Indicator Attachment)
36	610 288 C92	SWITCH, engine oil pressure (internally grounded) Power Shift * to 6057	52	362 666 R1	CLIP (on fuel line clamp block on L.H. fender) (Part of Pressure Filter Indicator Attachment)
37	142 142	PLUG, ether starting hole button (Not used w/ether starting attachment)	53	9 402 862	ELBOW, pressure filter indicator hose (Part of Pressure Filter Indicator Attachment) (2)
38	142 619 H	WASHER, flat			
39	444 476	ELBOW Power Shift 1969 to 6057			* - Serial Number Not Available.
40	9 402 745	ADAPTER, fuel pressure gauge Power Shift 3709 and below			

INSTRUMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
54	319 615 R1	ELBOW, clutch oil pressure gauge tube at hydraulic regulator "M" port			
		Power Shift * to 6057			
	306 132 C1	STRAP (6)			
	636 805 C91	ATTACHMENT, pressure filter indicator (See NOTE 3)			
		(Consists of the following parts -			
		2 BOLT 26 673 R1			
		2 BOLT 25 483 R1			
		1 BRACKET 715 765 C1			
		1 CHART AM 74 371			
		1 CLIP 362 666 R1			
		2 CONNECTOR 9 402 706			
		1 DRAWING CZG-3165			
		1 DRAWING CZG-3166			
		2 ELBOW 9 402 862			
		1 GROMMET 115 329 R1			
		1 HOSE 715 769 C1			
		1 HOSE 715 770 C1			
		1 INDICATOR 715 647 C1			
		1 PRODUCT GRAPHIC 715 896 C1			
		6 STRAP 306 132 C1			
		2 TEE 715 771 C1			
		2 WASHER 115 109			
		6 WASHER 25 551 R1			
		2 WASHER 715 753 C1)			

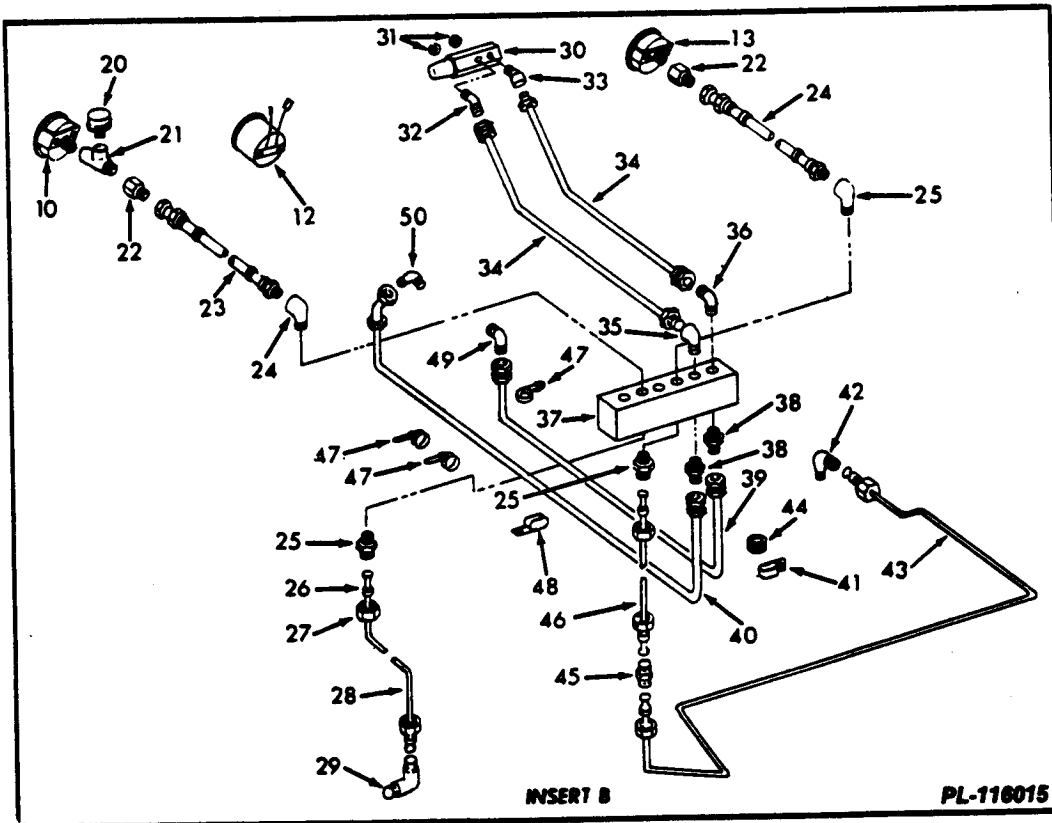
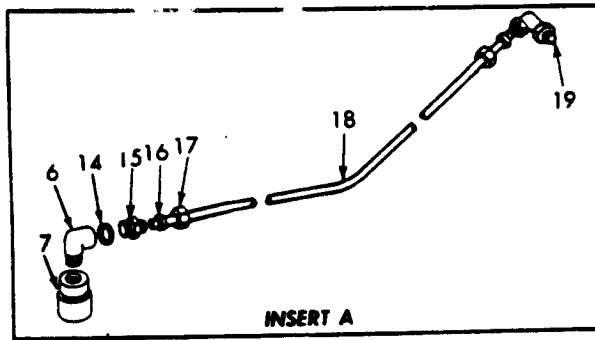
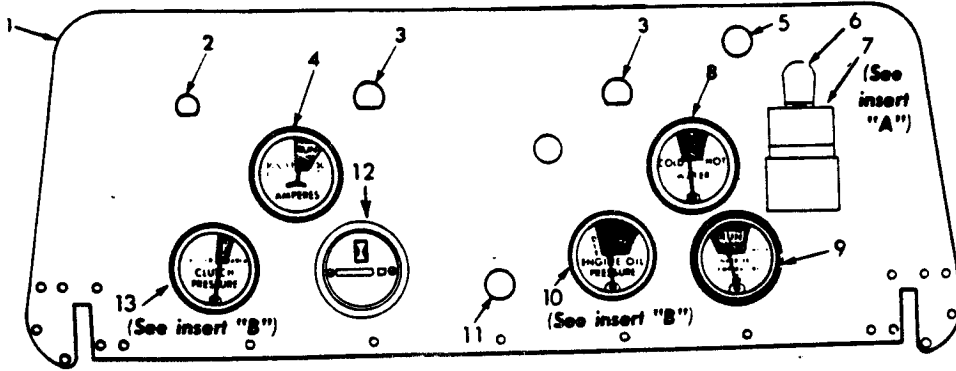
* - Serial Number Not Available

NOTE 3 - Field Application - Order Through Regular Service Channels.

INSTRUMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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INSTRUMENTS AND RELATED PARTS
 (For Power Shift Crawler Tractors)
 6058 and up



INSTRUMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
INSTRUMENTS AND RELATED PARTS - Continued (For Power Shift Crawler Tractors) 6058 and up					
1		PANEL, instrument (Refer to "Instrument Panel and Related Parts")	18	624 409 C1	TUBE w/two NUT, 606 925 C1 and two SLEEVE, 606 926 C1 air cleaner filter indicator
2		SWITCH, lighting (Refer to "Lighting Switch")	19	610 040 C1	ELBOW, air cleaner indicator tube (at air cleaner)
3		LIGHT, panel (Refer to "Electric Lighting and Starting") (2)		739 588 C1	CONNECTOR
4	651 688 C2 or	VOLTMETER	20	610 288 C92	SWITCH, engine oil pressure
4	715 691 C1	VOLTMETER	21	444 550	TEE, engine oil pressure switch (optional with TEE, 9 409 943) (Not for Arctic Power Shift)
5	142 142	PLUG, ether starting hole button (Not used w/either starting attachment)	21	9 409 943	TEE, engine oil pressure switch (optional with TEE, 444 550) (Not for Arctic Power Shift)
6	444 476	ELBOW	22	9 402 745	ADAPTER (2)
7	366 078 C1 21 872 R1	INDICATOR, air cleaner filter service WASHER, flat	23	651 799 C1	HOSE w/FITTINGS, engine oil pressure and clutch oil pressure (HOSE, 3/16" ID x 13-1/2" long, including FITTINGS) (2)
8	702 222 C1	GAUGE w/CAPILLARY TUBE, water temperature (Not used w/ Engine Enclosure Attachment)	24	9 409 931	ELBOW (on top of junction block) (2)
	702 093 C1	STRAP, around water capillary tube and turbo-charger lube tube	25	606 885 C1	CONNECTOR (2)
	702 093 C1	STRAP, around No. 2 injection tube and water capillary tube (Not used w/CAB)	26	915 500 R1	SLEEVE (8)
9	706 001 C1	GAUGE w/CAPILLARY TUBE torque converter temperature(Replaces, 619 674 C91)	27	915 499 R1	NUT (8)
	144 051	ADAPTER, torque converter temperature sending unit reducing (at torque converter tee)	28	617 915 C21	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, engine oil pressure gauge
	263 717 R91	CLIP, temperature gauge capillary tube		25 487 R1	BOLT (2)
10	713 167 C1	GAUGE, engine oil pressure		278 834 R21	CLAMP (at dash) (2)
	or			263 514 R91	CLIP (on rear center bolt of push rod chamber cover)
	706 003 C1	GAUGE, engine oil pressure		603 420 C1	PAD, clamp (2)
11		SWITCH, starting (Refer to "Starting Switch")		278 836 R2	PAD, clamp (2)
				113 114	WASHER, lock
12	709 145 C2 or	HOURLMETER	29	319 615 R1	ELBOW, engine oil pressure gauge tube (at crankcase)
12	715 916 C1	HOURLMETER	30	715 647 C1	INDICATOR, pressure filter
13	706 005 C1	GAUGE, clutch oil pressure		26 673 R1	BOLT (2)
13	715 668 C1	GAUGE, clutch oil pressure		25 542 R1	WASHER, flat (2)
14	142 619 H	WASHER, flat	31	715 753 C1	WASHER, insulator (2)
15	606 999 C1	CONNECTOR, air cleaner filter service indicator tube	32	9 402 823	ELBOW (at indicator "HIGH")
16	606 926 C1	SLEEVE (2)	33	9 409 927	ELBOW (at indicator "LOW")
17	606 925 C1	NUT (2)	34	715 755 C1	HOSE w/FITTINGS, pressure filter indicator to junction block (HOSE 3/16" ID x 13" long including fittings) (2)

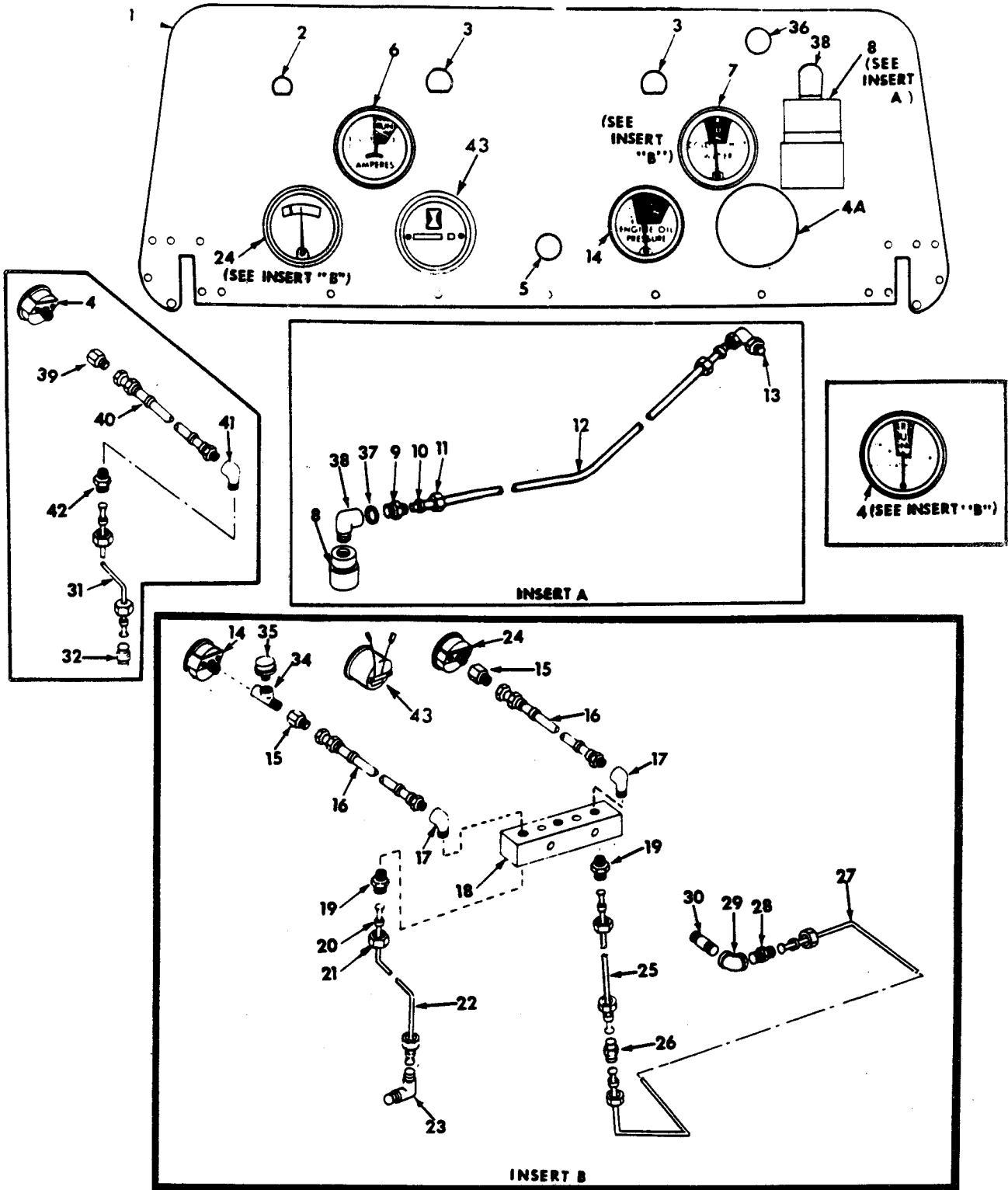
INSTRUMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
INSTRUMENTS AND RELATED PARTS - Continued					
(For Power Shift Crawler Tractors)					
6058 and up					
35	9 409 931	ELBOW (at junction block)			
36	9 402 862	ELBOW (at junction block)			
37	275 131 R1 25 654 R1 116 120 178 532	BLOCK, junction (on dash support) BOLT WASHER, lock WASHER (for grounding instrument panel cable)			
38	9 402 706	CONNECTOR (2)			
39	715 767 C1	HOSE w/FITTINGS, junction block to inlet on filter (3/16" ID x 65" long including fittings)			
40	715 768 C1	HOSE w/FITTINGS, junction block to outlet on filter (3/16" ID x 55" long including fittings)			
41	362 666 R1	CLIP (on L.H. fender)			
42	319 615 R1	ELBOW, clutch oil pressure gauge tube (at hydraulic regulator "M" port)			
43	617 735 C21	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, clutch oil pressure gauge (lower)			
44	624 827 C1	GROMMET			
45	606 049 C1	UNION, upper and lower tube			
46	620 077 C21	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, clutch oil pressure gauge (upper)			
47	306 132 C1	STRAP, cable lock (6)			
48	362 666 R1	CLIP (on L.H. diagonal)			
49	346 737 R1	ELBOW			
50	317 783 R1	ADAPTER, straight ("Low" at filter outlet)			

MEMORANDA

INSTRUMENTS

INSTRUMENTS AND RELATED PARTS (For Manual Shift Crawler Tractors)



IPB 13240 F

INSTRUMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
INSTRUMENTS AND RELATED PARTS - Continued (For Manual Shift Crawler Tractors)				59 995 R1	GROMMET, air cleaner tube (on dash support top angle)
1		PANEL, instrument (Refer to "Instrument Panel and Related Parts")	13	610 040 C1	ELBOW, air cleaner filter indicator tube (at air cleaner)
2		SWITCH, lighting (Refer to "Lighting Switch")	14	713 167 C1	GAUGE, engine oil pressure
3		LIGHT, panel (Refer to "Electric Lighting and Starting") (2)	14	or 706 003 C1	GAUGE, engine oil pressure
4	663 407 C1	GAUGE, fuel pressure Manual Shift 3709 and below	15	9 402 745	ADAPTER (2)
4	432 577	PLUG, fuel pressure gauge hole Manual Shift 3710 to 5485	16	651 799 C1	HOSE w/FITTINGS, engine oil pressure and clutch oil pressure (HOSE, 3/16" ID x 13-1/2" long including FITTINGS) (2)
4A	432 577	PLUG, button	17	9 409 931	ELBOW (on top of junction block) (2)
5		SWITCH, starting (Refer to "Starting Switch")	18	334 445 R1 25 654 R1 116 120 178 532	BLOCK, junction (on dash support) SCREW, hex-hd cap (2) WASHER, 5/16" lock WASHER, 5/16" lock (for grounding instrument panel cable)
6	651 688 C2 or 715 691 C1	VOLTMETER 5470 and up VOLTMETER	19	606 885 C1	CONNECTOR (2)
6	702 284 C1	AMMETER (Not used w/ATTACHMENT, 632 571 C91) 5469 and below	20	915 500 R1	SLEEVE (8)
7	702 222 C1	GAUGE w/CAPILLARY tube water temperature (Not used w/Engine Enclosure Attachment)	21	915 499 R1	NUT (8)
	263 514 R91	CLIP, water temperature gauge capillary tube (on top L.H. rear air cleaner mounting bracket bolt) Manual Shift 737 and below	22	617 915 C21 278 834 R21 263 514 R91 603 420 C1 25 487 R1 103 319 278 836 R2	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, engine oil pressure gauge CLAMP (at dash) (2) CLIP (on rear center bolt of push rod chamber cover) PAD, clamp (2) Manual Shift 737 and below SCREW, hex-hd cap (2) WASHER, lock (2) PAD, clamp (2) Manual Shift 738 and up
	702 093 C1	STRAP, around water capillary tube and turbocharger lube tube	23	319 615 R1	ELBOW, engine oil pressure gauge tube (at crankcase)
	702 093 C1	STRAP, around No. 2 injection tube and water capillary tube (Not used w/CAB)	24	258 334 R92	GAUGE, transmission oil pressure
8	346 666 R91	INDICATOR, air cleaner filter service Manual Shift 1968 and below	25	620 077 C21	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, transmission oil pressure gauge (upper)
8	366 078 C1	INDICATOR, air cleaner filter service Manual Shift 1969 and up	26	606 049 C1	UNION, upper and lower tube
	21 872 R1	WASHER, flat	27	617 733 C11 263 514 R91	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, transmission oil pressure (lower) CLIP, tube (mount on tapping block L.H. front frame)
9	606 999 C1	CONNECTOR, air cleaner filter service indicator tube	28	606 673 C1	CONNECTOR, lower tube
10	606 926 C1	SLEEVE (2)	29	105 413	ELBOW, oil pressure gauge tube (at transmission)
11	606 925 C1	NUT (2)	30	119 290	NIPPLE, oil pressure gauge tube elbow (in transmission)
12	612 650 C11	TUBE w/two NUT, 606 925 C1 and two SLEEVE, 606 926 C1, air cleaner filter indicator Manual Shift 737 and below			
12	624 409 C91	TUBE w/two NUT, 606 925 C1 and two SLEEVE, 606 926 C1 air cleaner filter indicator Manual Shift 738 and up			

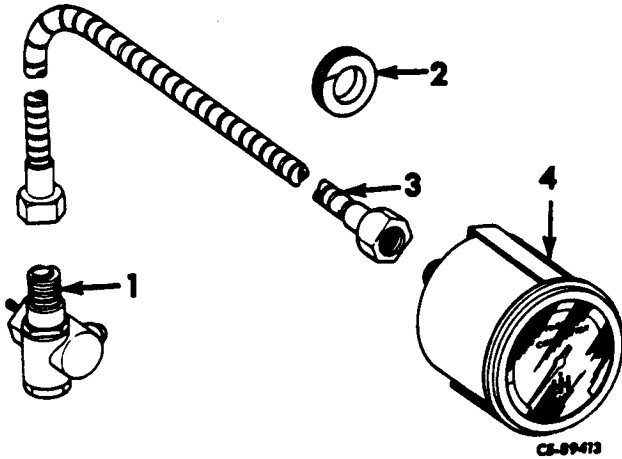
INSTRUMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
INSTRUMENTS AND RELATED PARTS - Continued (For Manual Shift Crawler Tractors)					
31	620 079 C21	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, fuel pressure gauge Manual Shift 3709 and below			
32	606 673 C1	CONNECTOR, fuel pressure gauge tube (at final fuel filter) Manual Shift 3709 and below			
34	444 550	TEE, engine oil pressure switch (optional with TEE, 9 409 943) 5486 and up			
34	9 409 943	TEE, engine oil pressure switch (optional with TEE, 444 55 5486 and up			
35	663 392 C1	SWITCH, engine oil pressure (externally grounded) 5486 to *			
35	610 288 C92	SWITCH, engine oil pressure (internally grounded) * and up			
36	142 142	PLUG, ether starting hole button (not used w/ETHER STARTING ATTACHMENT)			
37	142 619 H	WASHER, flat			
38	444 476	ELBOW Manual Shift 1969 and up			
39	9 402 745	ADAPTER, fuel pressure gauge Manual Shift 3709 and below			
40	651 799 C1	HOSE w/FITTINGS, fuel pressure gauge to junction block (HOSE, 3/16" ID x 13-1/2" long including FITTINGS) Manual Shift 3709 and below			
41	9 409 931	ELBOW, fuel pressure gauge hose Manual Shift 3709 and below			
42	606 885 C1	CONNECTOR (at junction block) Manual Shift 3709 and below			
43	709 145 C2	HOURMETER 5486 and up			
43	715 916 C1	HOURMETER 5486 and up			

INSTRUMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TACHOMETER
 (For Power Shift Crawler Tractors)
 Manual Shift 737 and Below
 Power Shift 737 and Below

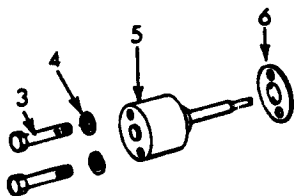
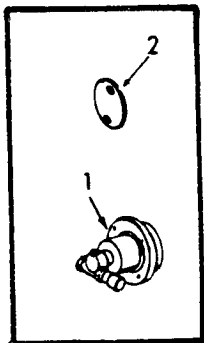


	604 341 C91	ATTACHMENT, tachometer (Attachment no longer available. Service Parts will be furnished as ordered)
1	603 667 C92	ADAPTER, tachometer drive (right angle)
2	142 350	GROMMET, flexible shaft (in dash)
3	324 922 R92	SHAFT, flexible
4	324 921 R91	TACHOMETER
	302 304 R1	CLAMP, flexible shaft (on R.H. bolt of instrument tubes clamp)
	311 500 R1	CLAMP, flexible shaft (on harness clip bolt on L.H. of fender cross-member)

INSTRUMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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SERVICE RECORDER
5485 and below



CE-108264

- 1 CABLE 709 158 C1
- 1 CABLE 709 159 C1
- 1 TERMINAL 709 160 C1
- 12 STRAP 702 093 C1
- 1 INSTRUCTIONS CZG-2517
- * 1 COVER 672 418 C1
- * 1 GASKET 620 945 C1
- 2 SCREW 26 674 R1
- 2 WASHER 115 109)

- 6 620 945 C1 GASKET, service meter
Manual Shift 2540 to 5485
Power Shift 2540 to 5485
Arctic Power Shift 3300 to 5485

- 1 672 897 C91 RECORDER, service
Arctic Power Shift 2539 and below
- 1 619 602 C91 RECORDER, service
Manual Shift 2539 and below
Power Shift 2539 and below
- 670 585 C1 SCREW, hex-hd cap (4)
- 115 308 WASHER (4)
- 2 672 418 C1 PLATE, hydraulic drive cover
Manual Shift 2539 and below
Power Shift 2539 and below
Arctic Power Shift 2539 and below
- 3 672 105 C1 BOLT, service meter mounting (2)
Manual Shift 2540 to 5485
Power Shift 2540 to 5485
Arctic Power Shift 3300 to 5485
- 557 109 R1 WASHER, flat (2)
- 4 352 219 R1 RING, service meter mounting bolt
sealing (2)
Manual Shift 2540 to 5485
Power Shift 2540 to 5485
Arctic Power Shift 3300 to 5485
- 5 672 585 C91 RECORDER, service
Manual Shift 2540 to 3300
Power Shift 2540 to 3300
- 5 672 035 C91 RECORDER, service
Manual Shift 3300 to 5485
Power Shift 3300 to 5485
Arctic Power Shift 3300 to 5485
- 279 673 R91 WIRE, service meter bolt lock
5485 and below

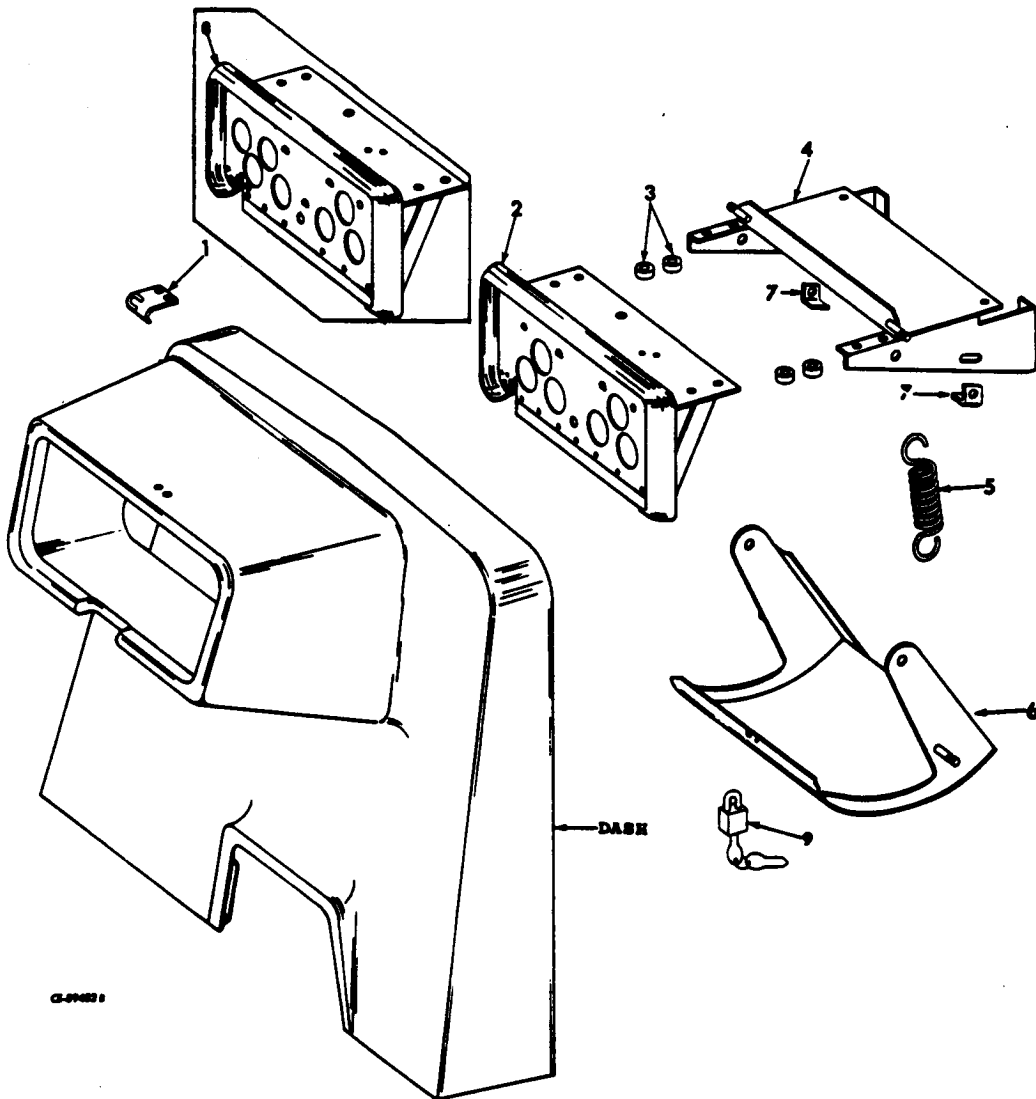
- (Order the following parts -
- 1 HOURMETER 709 145 C1
 - 1 DAMPER,
vibration 116 457 H1
 - 1 SWITCH 663 392 C1
 - 1 BUSHING 444 024
 - 1 TEE 444 256
 - 1 TEE 444 253
 - 1 CABLE 663 187 C1

* - Refer to Parts Catalog, EPC-817C.

INSTRUMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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INSTRUMENT PANEL AND RELATED PARTS



1	703 562 C1 25 522 R1 115 093 120 394	PLATE, instrument panel guard locking (Not used w/CAB) NUT (2) WASHER, lock (2) WASHER, flat (2)	4	703 560 C2 25 526 R1 24 861 R1 116 121 103 343	BRACKET, instrument panel and guard mounting NUT (7) SCREW, hex-hd cap (7) WASHER, lock (7) WASHER, flat (7)
2	703 563 C2 25 519 R1 115 109 178 521 650 865 C1 650 864 C1	PANEL, instrument (Not used w/Engine Enclosure Attachment) NUT (8) WASHER, lock (8) WASHER, internal-external tooth lock (8) PLUG, button (Manual Shift) PLUG, button	5	617 903 C1	SPRING, instrument panel guard (Not used w/CAB) (2)
3	702 439 C1	MOUNT, vibration isolation (4) 6270 and below	6	703 561 C1 25 526 R1 24 861 R1 116 121 103 343	GUARD, instrument panel (Not used w/CAB) NUT (2) SCREW, hex-hd cap (2) WASHER, lock (2) WASHER, flat (2)

INSTRUMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
INSTRUMENT PANEL AND RELATED PARTS -					
Continued					
7	624 336 C1	STOP, instrument panel guard (Used with BRACKET, 703 560 C2) (Not used w/CAB) (2)			
	24 839 R1	SCREW, hex-hd cap (2)			
	120 394	WASHER, flat (2)			
	178 551	WASHER, internal-external tooth lock (4)			
8	624 155 C1	PANEL, instrument (For machines equipped w/Engine Enclosure) 5270 and below			
	25 519 R1	NUT (8)			
	115 109	WASHER (8)			
	178 521	WASHER, internal-external tooth lock (8)			
9	650 382 C91	ATTACHMENT, instrument panel PADLOCK w/KEYS (See NOTES 1 and 3)			

NOTE 1 - Factory Application - Order on Machine Order Form.

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

**REFER TO ALPHABETICAL INDEX
FOR COMPLETE LISTING OF PARTS**

POWER

12

**NOTE - This section does not
contain engine service
parts. For a list of engine
service parts refer to
Engine Parts Catalog.**

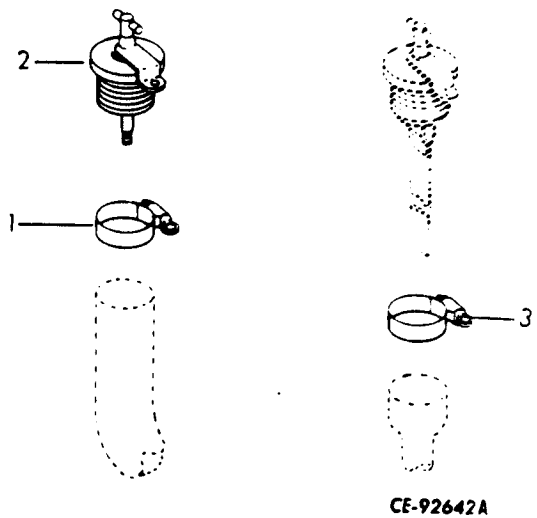
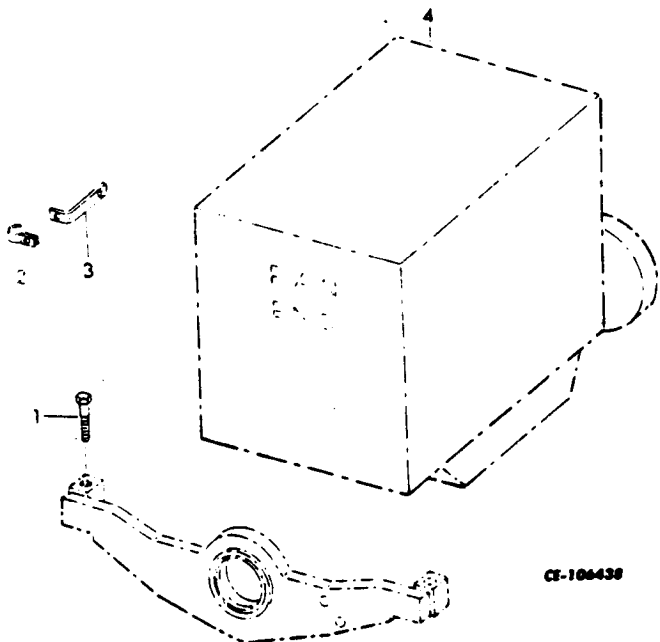
POWER

REF. NO.	PART NUMBER	DESCRIPTION
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REF. NO.	PART NUMBER	DESCRIPTION
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ENGINE AND RELATED PARTS

LOCKING OIL CAP AND LEVEL GAUGE



CE-106438

CE-92642A

1	25 908 R1 238 455 R1 25 972 R1 25 862 R1 624 379 C1	BOLT, engine mounting (Front 2) WASHER, hardened (2) BOLT, engine mounting (rear 2) WASHER (2) WASHER, flywheel housing mounting (2)
2	263 548 R1 25 523 R1 25 770 R1 115 093	CLAMP, oil level gauge sleeve % and below NUT, NF SCREW, hex-hd cap WASHER, lock
3	670 583 C1	ANGLE, gauge sleeve clamp (on hydraulic pump) Power Shift 2037 to % Manual Shift 2037 to %
3	659 276 C1	ANGLE, gauge sleeve clamp (on hydraulic pump) Power Shift 2038 and up Manual Shift 2038 and up
4		ENGINE ASSY, DT 817 SERIES B (For service parts refer to Parts Catalog EPC-817B) Power Shift 3300 and below Manual Shift 3300 and below
4		ENGINE ASSY, DT 817 SERIES C (For service parts refer to Parts Catalog EPC-817C) Power Shift 3301 and up Manual Shift 3301 and up

A	703 455 C92	ATTACHMENT, crankcase oil filter cap locking (See NOTE 3)
B	632 1,15 C91	ATTACHMENT, crankcase oil level gauge locking (See NOTE 3) (*)
1	703 460 C1	CLAMP, oil filler cap lock (Attachment A)
2	703 457 C1	CAP w/lock BRACKET, oil filler (Attachment A)
3	703 459 C1	CLAMP, oil level gauge lock (Attachment B)
	650 382 C91	PADLOCK w/KEYS

(*) Machines equipped w/oil level gauge without locking tab, also under GAUGE, 703 458 C1)

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

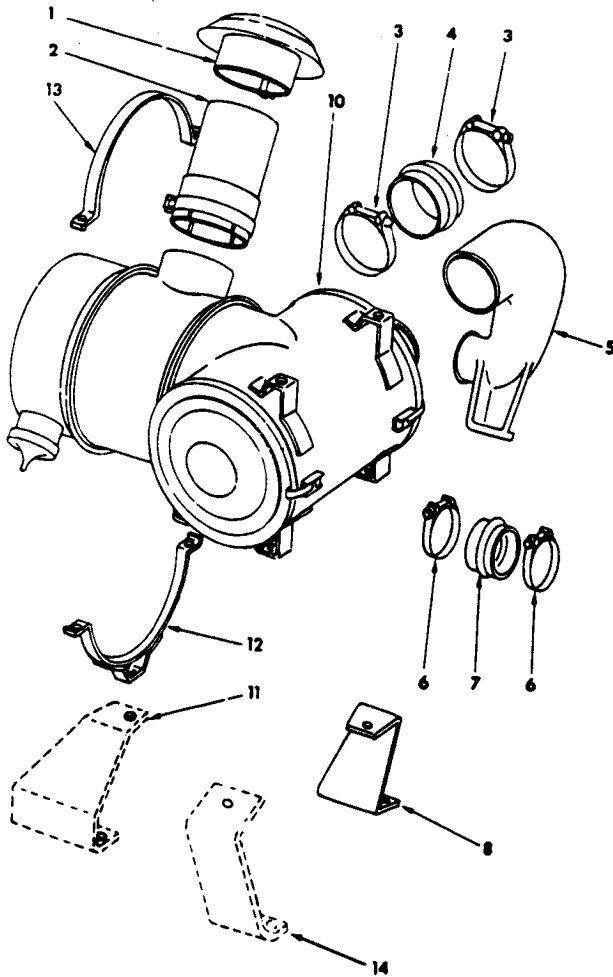
% - Serial Number Not Available.

POWER

REF. NO.	PART NUMBER	DESCRIPTION
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REF. NO.	PART NUMBER	DESCRIPTION
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AIR CLEANER AND CONNECTIONS
Manual Shift 6379 and below
Power Shift 6379 and below



7	309 992 R1	HOSE, air cleaner outlet pipe (lower)
8	617 560 C1	SUPPORT, air cleaner (rear)
	25 522 R1	NUT (2)
	24 840 R1	SCREW, hex-hd cap (2)
	115 093	WASHER, lock (2)
10		CLEANER ASSY, air (Refer to "Air Cleaner")
11		SUPPORT, air cleaner front (*)
12	703 532 C1	STRAP, air cleaner mounting (lower)
	25 522 R1	NUT (3)
	140 483 H	SCREW, hex-hd cap (2)
	24 840 R1	SCREW, hex-hd cap
	115 093	WASHER, lock (3)
13	300 364 R1	STRAP, air cleaner mounting (upper)
14		BRACKET, L.H. rear air cleaner (*)
	151 629 R1	SCREW, hex-hd cap (2)
	103 321	WASHER, lock (2)

CS-09376 8

1	289 851 R1	CAP, air stack (Not for arctic power shift)
1	628 159 C91	CAP, air stack (For arctic power shift)
2	310 653 R91	STACK w/CLAMP, air cleaner
3	690 065 C1	CLAMP (Replaces 177 175 H1) (2)
4	616 119 C1	HOSE, air cleaner outlet pipe (upper)
5	617 553 C3	PIPE, air cleaner outlet
	25 522 R1	NUT (2)
	24 621 R1	SCREW, hex-hd cap (2)
	115 093	WASHER, lock (2)
6	690 068 C1	CLAMP (Replaces 27 314 R1) (2)

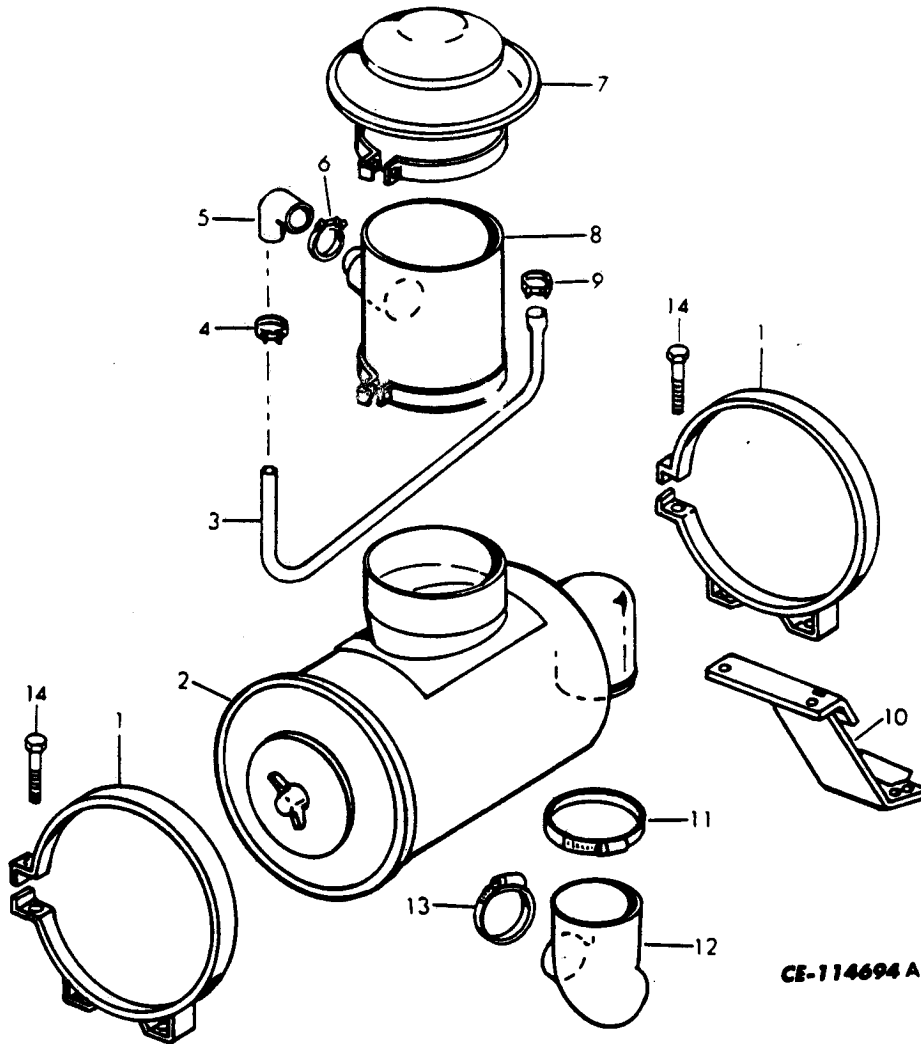
(*) - Refer to Engine Parts Catalog

POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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AIR CLEANER AND CONNECTIONS

Manual Shift 6380 and up
Power Shift 6380 and up



CE-114694 A

1	690 772 C1 140 483 H 25 896 R1 115 093 25 522 R1	CLAMP, air cleaner mounting (2) BOLT (4) WASHER, hardened (8) WASHER, lock (4) NUT (4)	9	680 623 C1 140 483 H 25 896 R1 115 093 25 522 R1	CLAMP BOLT WASHER, hardened (2) WASHER, lock NUT
2		CLEANER ASSY, air (Refer to "Air Cleaner")	10	688 153 C1 24 842 R1 25 896 R1 25 522 R1	SUPPORT, air cleaner BOLT (2) WASHER (4) NUT (2)
3	688 159 C1	TUBE, aspirator	11	689 475 C1	CLAMP
4	27 337 R1	CLAMP, hose	12	688 180 C1	HOSE, air cleaner
5	686 792 C1	HOSE	13	689 476 C1	CLAMP
6	681 209 C1	CLAMP, hose	14	25 654 R1 25 520 R1	BOLT (2) NUT (2)
7	630 696 C92	HOOD, pre-cleaner			
8	686 724 C92	PRE-CLEANER, w/HOOD, 630 696 C92, air			

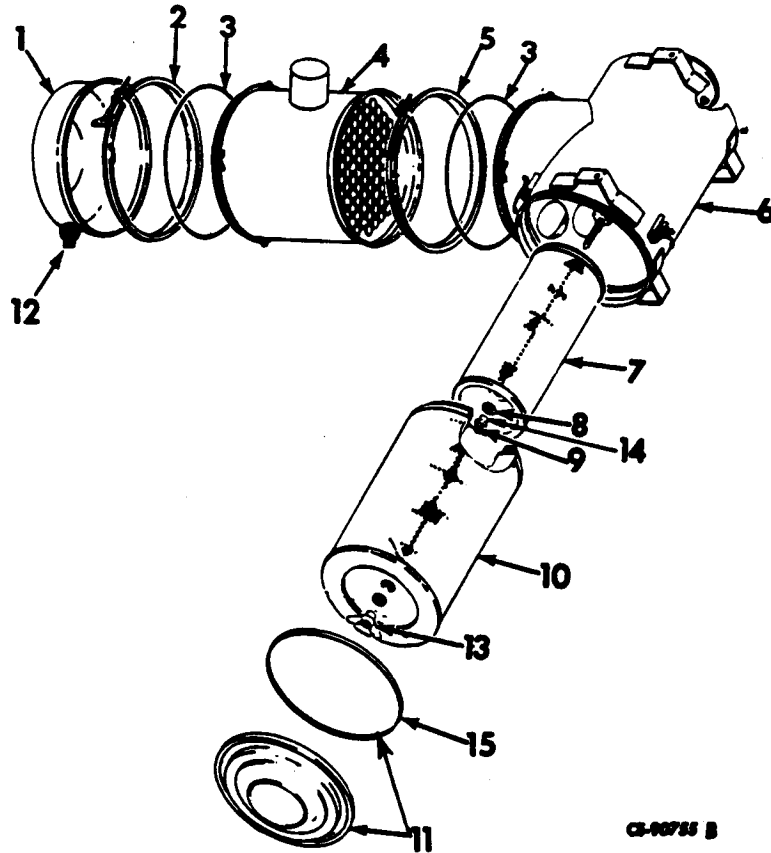
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POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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AIR CLEANER

(Donaldson)
Manual Shift 6379 and below
Power Shift 6379 and below



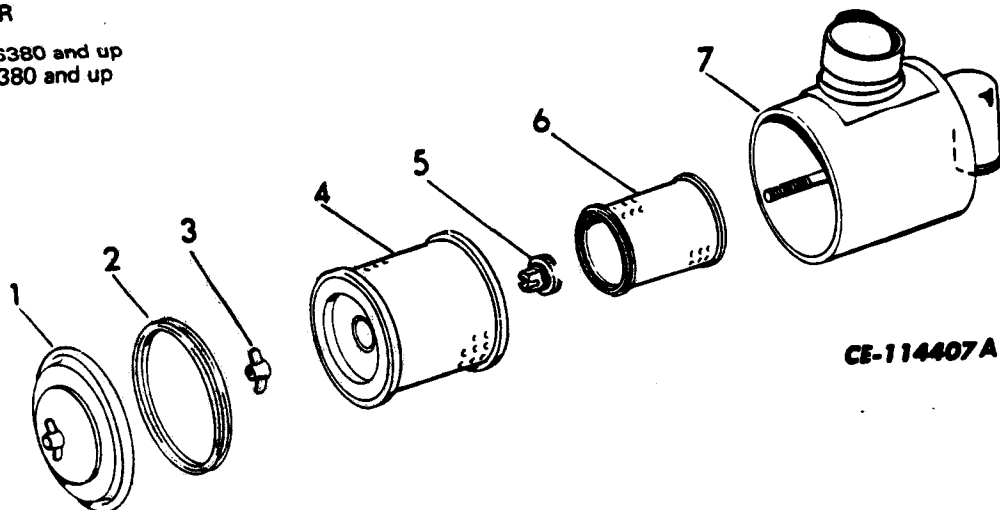
CI-10733 B

A	702 512 C92	CLEANER ASSY, air (order CLEANER ASSY, 619 763 C91) and PIPE, 701 356 C2) Manual Shift 1004 and below Power Shift 1004 and below	4		BODY (Not Furnished Separately)
			5	895 272 R91	CLAMP, body
			6		BODY (Not Furnished Separately)
B	619 763 C91	CLEANER ASSY, air (Together w/PIPE, 701 356 C2 will work for CLEANER ASSY, 702 512 C92) Manual Shift 1005 to 6379 Power Shift 1005 to 6379	7	702 753 C1	ELEMENT, inner
	25 522 R1	NUT (2)	8	619 403 C1	GASKET, wing nut and lock nut (2)
	24 840 R1	SCREW, hex-hd cap (2)	9	619 402 C1	NUT, element lock
	115 093	WASHER, lock (2) (Consists of -	10	702 864 C1	ELEMENT, outer
			11	702 863 C91	COVER, element
1	603 806 C91	CUP, dust (Air Cleaner A)	12	383 734 R2	VALVE, vacuator
1	625 024 C1	CUP, dust (Air Cleaner B)	13	619 400 C1	NUT, element wing
2	895 273 R91	CLAMP, dust cup	14	103 386	PIN, element lock
3	232 871 R1	GASKET, dust cup and clamp body (2)	15	625 265 C1	GASKET, cover

POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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AIR CLEANER
 (Donaldson)
 Manual Shift 6380 and up
 Power Shift 6380 and up



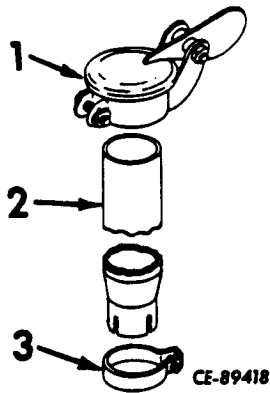
CE-114407A

	686 725 C91	CLEANER ASSY, air
1	630 723 C91	COVER ASSY, w/GASKET, 625 265 C1, element
2	625 265 C1	GASKET, cover seal
3	634 859 C1	WING NUT, primary element (Replaces, 412 078 C1)
4	680 587 C2	ELEMENT, primary
5	634 858 C1	NUT, safety element lock (Replaces, 412 078 C1)
6	680 588 C1	ELEMENT, safety
7		BODY, Not Furnished Separately
	189 796	PIN, element cotter

POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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EXHAUST CAP, TUBE AND CLAMP
 Manual Shift 2043 and Below
 Power Shift 2035 and Below



1	717 398 C91	CAP, exhaust tube weather (Replaces, 650 289 C91) (Together with TUBE 289 618 R3 will work for CAP, 702 683 C91)
2	289 618 R3	TUBE, exhaust (Together with CAP, 650 289 C91 will work for TUBE, 617 563 C2)
3	625 747 C1	CLAMP, exhaust tube (Together w/SCREW, 23 458 R1 and NUT, 120 377 will work for CLAMP, 299 864 R1) (2)
	120 377	NUT (2)
	23 458 R1	SCREW, hex-hd cap (2)
	628 013 C91	ATTACHMENT, exhaust weather cap (Consists of CAP, 717 398 C91) (Together with TUBE, 289 618 R3 will work for ATTACHMENT, 703 401 C91) (See NOTE 3)
	650 382 C91	PADLOCK w/KEYS (Part of ATTACHMENT, 632 176 C91 and 632 177 C91)

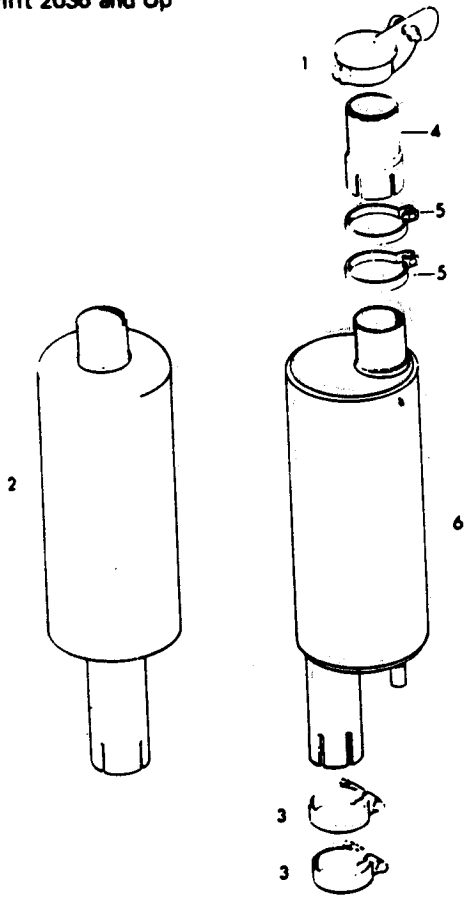
NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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EXHAUST CAP, MUFFLER AND CLAMP

Manual Shift 2044 and Up
Power Shift 2036 and Up



4	629 987 C2	PIPE, exhaust extension (Used w/ MUFFLER, 681 722 C1)
4	739 207 C1	PIPE, exhaust extension (Part of ATTACHMENT, 668 830 C91) (Used w/MUFFLER, 681 655 C2)
5	333 908 R91	CLAMP, exhaust extension (Used w/ PIPE, 629 987 C2)
	16 888 R1	BOLT (2)
	120 376	NUT (2)
5	652 806 C1	CLAMP, exhaust extension (Used w/ PIPE, 739 207 C1) (Part of ATTACHMENT, 668 830 C91)
	275 804 R1	BOLT
	25 522 R1	NUT
	25 544 R1	WASHER, flat (2)
	115 093	WASHER, lock
6	681 655 C2	MUFFLER, exhaust (4" OD outlet) Manual Shift 6380 and up Power Shift 6380 and up
	628 166 C91	ATTACHMENT, lockable exhaust rain cap (Consists of CAP, 734 401 C91) (Used w/MUFFLER, 673 986 C1) (See NOTE 3)
	628 013 C91	ATTACHMENT, lockable exhaust rain cap (Consists of CAP, 734 402 C91) (Used w/MUFFLER, 681 772 C1 or 681 655 C2) (See NOTE 3)
	650 382 C91	PADLOCK w/KEYS (Part of ATTACHMENT, 632 176 C91 and 632 177 C91)
	668 830 C91	ATTACHMENT, exhaust pipe extension (Machine must be equipped w/ CAB) (See NOTE 3) (Consists of -
		1 BOLT 275 804 R1
		1 CLAMP 652 806 C1
		1 NUT 25 522 R1
		1 PIPE 739 207 C1
		2 WASHER 25 544 R1
		1 WASHER 115 093)

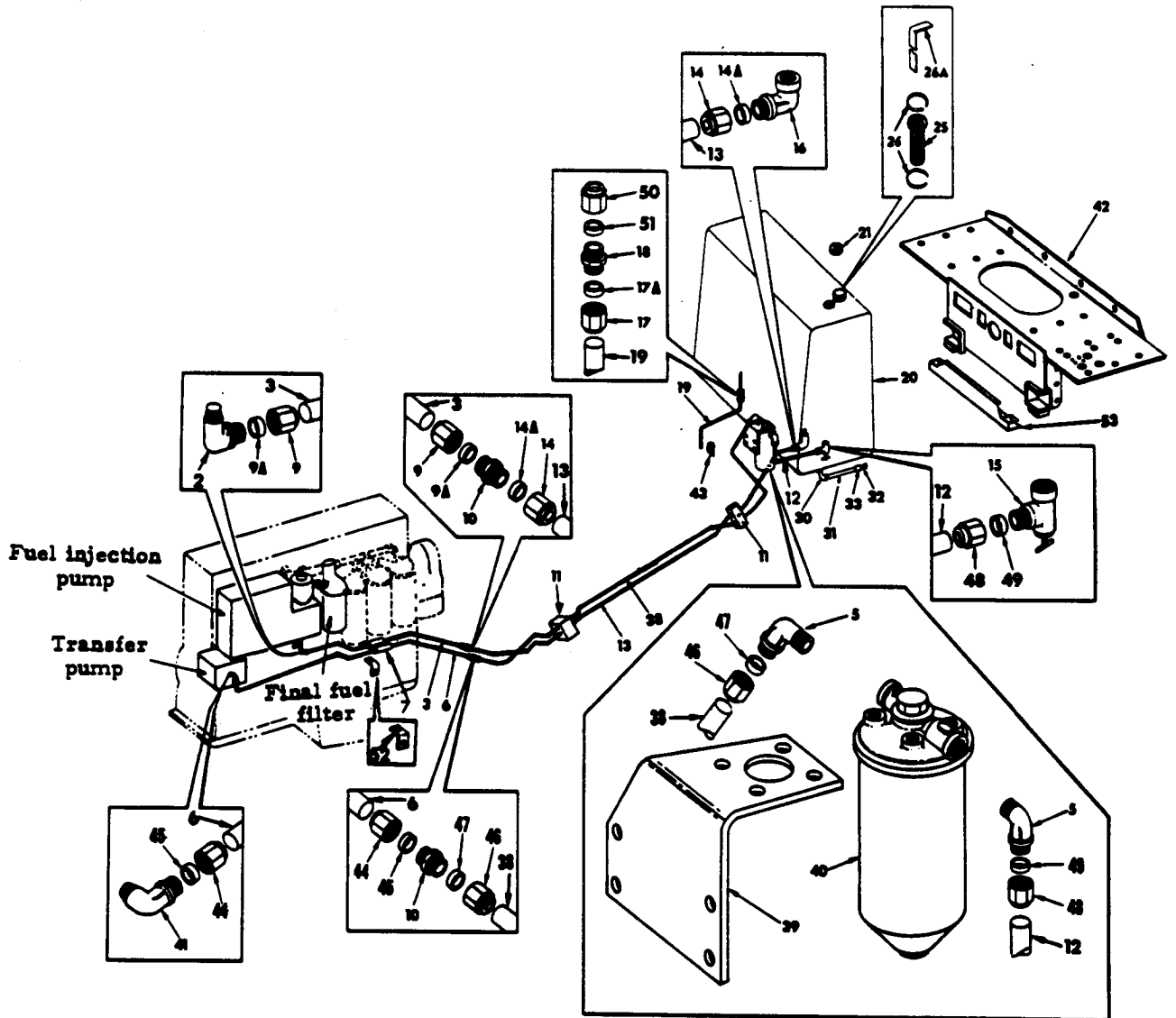
1	734 402 C91	CAP, exhaust tube muffler (Replaces 717 398 C91) (Part of ATTACHMENT, 628 013 C91) (Use with MUFFLER, 681 772 C1)
1	734 401 C91	CAP, lockable exhaust rain (Replaces 717 397 C91) (Part of ATTACHMENT, 628 166 C91) (Use with MUFFLER, 673 986 C1)
2	673 986 C1	MUFFLER, exhaust (4" OD outlet) (Order MUFFLER, 681 772 C1)
2	681 772 C1	MUFFLER, exhaust (5" OD outlet) Manual Shift 2044 to 6379 Power Shift 2036 to 6379
3	673 863 C1	CLAMP, muffler (2)
	275 804 R1	BOLT (2)
	25 522 R1	NUT (2)
	115 093	WASHER, lock (2)
	250 544 R1	WASHER (4)

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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FUEL TANK AND CONNECTIONS
Manual Shift 801 and Below
Power Shift 801 and Below



PB-13224 8

2	606 930 C1	ELBOW, fuel return (at pump tee)	7	259 050 R1	CLAMP, fuel tube (order clamp, 299 902 R1)
3	617 520 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, front fuel return		620 075 C1	PAD, fuel tube mounting (Used w/ Clamp, 259 050 R1)
5	606 618 C1	ELBOW, fuel supply (at primary filter) (2)	7	327 071 R1	CLAMP, fuel tube (4)
6	617 518 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, front fuel supply		25 520 R1	NUT
				25 228 R1	SCREW, hex-hd cap
				103 340	WASHER, flat (2)
				116 120	WASHER, lock
				525 820 R1	SPACER, fuel tube clamp

POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
FUEL TANK AND CONNECTIONS - Continued				618 688 C1	GASKET (Used w/CAP, 701 922 C2)
Manual Shift 801 and Below			25	733 294 C1	STRAINER, fuel (Replaces, 624 478 C1)
Power Shift 801 and Below			26	317 943 R1	RING, fuel strainer snap (2)
9	265 205 R1	NUT, front fuel return (2)	26A	611 410 C1	STICK, fuel tank dip
9A	265 204 R1	SLEEVE (2)	30	120 063	ELBOW, fuel tank sediment bowl
10	603 867 C1	UNION, fuel supply and return tube (2)	31	219 327	PIPE, fuel tank drain extension
11	617 521 C1	CLAMP, fuel pipe (2)	32	31 729 D	VALVE, fuel tank drain
	272 941 R1	CUSHION, fuel pipe clamp (6)	33	187 396	COUPLING, fuel tank drain extension
	24 840 R1	SCREW, hex-hd cap (4)	38	617 983 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, center fuel supply
12	620 031 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, rear fuel supply	39	703 422 C1	BRACKET, primary fuel filter
13	617 519 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, rear fuel return		101 896 R1	SCREW, hex-hd cap (4)
14	265 205 R1	NUT, rear fuel return and supply (2)		103 321	WASHER, lock (4)
14A	265 204 R1	SLEEVE (2)		25 522 R1	WASHER, flat (8)
15	650 443 C92	VALVE, fuel tank shut-off			NUT (4)
16	333 774 R1	ELBOW, fuel return rear (at fuel tank)	40		FILTER ASSY, primary fuel (Refer to "Primary Fuel Filter")
17	265 205 R1	NUT, fuel tank vent and over-flow pipe	41	606 845 C1	ELBOW, front fuel supply to pump
17A	265 204 R1	SLEEVE	42	712 599 C1	SUPPORT, fuel tank (Replaces, 700 463 C1)
18	603 867 C1	UNION, fuel tank vent		25 973 R1	BOLT (4)
19	617 059 C11	TUBE w/NUT, 265 205 R1 and SLEEVE, 265 204 R1 fuel tank vent and over-flow		238 455 R1	WASHER, hardened (will work for WASHER, 277 606 R1) (4)
20	700 462 C2	TANK w/o CAP, fuel (For tractor not equipped w/cable control unit order TANK, 628 149 C92) (For tractor equipped w/cable control unit order TANK, 628 149 C92, LINK, 623 495 C1, LINK, 623 498 C1, two rod end BEARING, 283 442 R91 and two NUT, 114 496)	43	362 120 R1	CLIP, fuel tank vent and overflow tube (on brake cover bolt)
20	628 149 C93	TANK ASSY, fuel (Composed of - 1 CAP 701 922 C2 2 RING 317 943 R1 1 STICK 611 410 C1 1 STRAINER 733 294 C1 § 1 TANK)		322 536 R1	BRACKET, fuel supply and return tube clamp
	24 886 R1	SCREW, 1-1/2" long hex-hd cap		320 097 R1	BOLT, bracket (2)
	24 888 R1	SCREW, 2" long hex-hd cap (3)		305 799 R1	RING, filler cap seal (Used w/CAP, 305 798 R11)
	369 857 R1	WASHER, hardened (6)	44	265 205 R1	NUT, front fuel supply (2)
21	701 922 C2	CAP w/GASKET, 618 688 C1, fuel tank filler (will work for CAP, 305 798 R11)	45	265 204 R1	SLEEVE (2)
			46	265 205 R1	NUT, center supply (2)
			47	265 204 R1	SLEEVE (2)
			48	265 205 R1	NUT, rear fuel supply (2)
			49	265 204 R1	SLEEVE (2)
			50	265 205 R1	NUT (on tube in tank assembly)

§ - Not Furnished Separately.

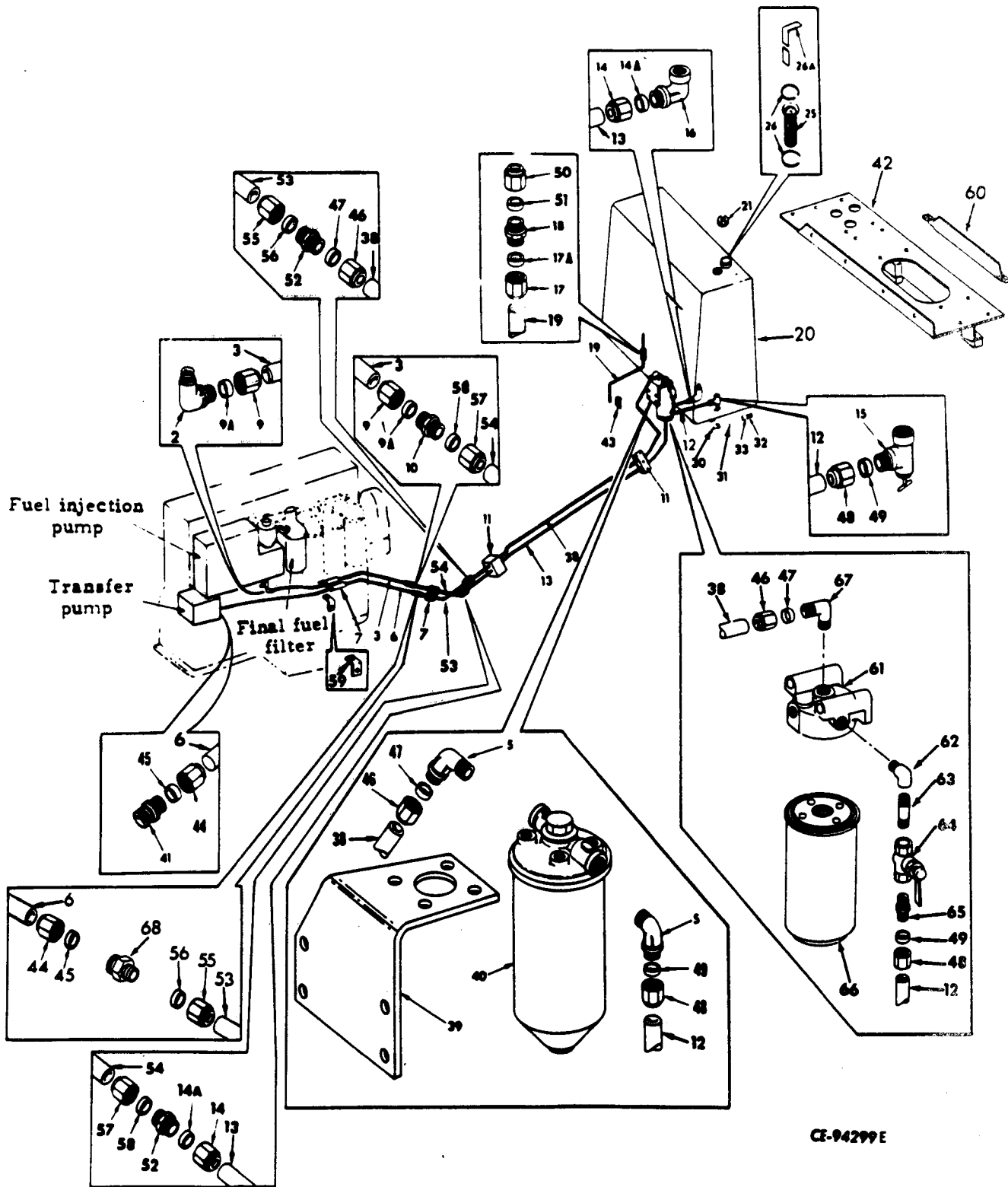
POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
FUEL TANK AND CONNECTIONS - Continued					
Manual Shift 801 and Below					
Power Shift 801 and Below					
51	265 204 R1	SLEEVE			
52	620 074 C1	BRACKET, fuel tube mounting (For Manual Shift Crawler Tractors not equipped w/Auxiliary Cooler Attachment)			
	12 576 R1	SCREW, 1/2" hex-hd cap			
	25 751 R1	SCREW, 5/16" hex-hd cap			
	103 340	WASHER			
53	624 542 C1	GUARD, rear main frame tube (WASHER, 238 455 R1 is required when guard is used) (Not used w/Ripper Attachment)			

FUEL TANK AND CONNECTIONS

Manual Shift 802 to 3300

Power Shift 802 to 3300



CE-94299E

POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
FUEL TANK AND CONNECTIONS - Continued Manual Shift 802 to 3300 Power Shift 802 to 3300			13	629 410 C91	TUBE w/two NUT and SLEEVE, fuel return (third section) Manual Shift 2044 to 3300 Power Shift 2024 to 3300
2	606 930 C1	ELBOW, fuel return (at pump tee)	14	265 205 R1	NUT, fuel return (third section) (2) Manual Shift 802 to 2043 (2) Power Shift 802 to 2023
3	617 520 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, front fuel return	14		NUT, fuel return (third section) (Not furnished separately) (2) Manual Shift 2044 to 3300 (2) Power Shift 2024 to 3300
5	606 618 C1	ELBOW, fuel supply (at primary filter) (2) Manual Shift 802 to 2043 (2) Power Shift 802 to 2023	14A	265 204 R1	SLEEVE, fuel return (third section) (2) Manual Shift 802 to 2043 (2) Power Shift 802 to 2023
6	617 518 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, front fuel supply Manual Shift 802 to 1047 Power Shift 802 to 1047	14A		SLEEVE, fuel return (third section) (Not furnished separately) (2) Manual Shift 2044 to 3300 (2) Power Shift 2024 to 3300
6	624 606 C91	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, front fuel supply Manual Shift 1048 to 3300 Power Shift 1048 to 3300	15	650 443 C92	VALVE, fuel tank shut-off
7	327 071 R1 25 520 R1 25 228 R1	CLAMP, fuel tube (4) NUT SCREW, 3/4" long hex-hd cap SCREW, 2-1/4" long hex-hd cap (Power Shift Crawler Tractor only)	16	333 774 R1	ELBOW, fuel return rear (at fuel tank)
	103 340 525 820 R1 116 120	WASHER, flat (3) SPACER, fuel tube clamp WASHER, lock (2)	17	265 205 R1	NUT, fuel tank vent and over-flow pipe
9	265 205 R1	NUT, front fuel return (2)	17A	265 204 R1	SLEEVE
9A	265 204 R1	SLEEVE (2)	18	603 867 C1	UNION, fuel tank vent
10	603 867 C1	UNION, fuel return tube	19	617 059 C11	TUBE w/NUT, 265 205 R1 and SLEEVE, 265 204 R1, fuel tank vent and over-flow
11	617 521 C1 272 941 C1 24 840 R1	CLAMP, fuel pipe (2) CUSHION, fuel pipe clamp (4) SCREW, hex-hd cap (4)	20	700 462 C2	TANK w/o CAP, fuel (For tractors not equipped w/cable control unit order TANK, 628 149 C92) (For tractor equipped w/cable control unit order TANK, 628 149 C92, LINK, 623 495 C1, LINK, 623 498 C1, two rod end BEARING, 283 442 R91, and two NUT, 114 496)
12	620 031 C11	TUBE w/two NUT, 265 205 R1, and two SLEEVE, 265 204 R1, rear fuel supply Manual Shift 802 to 2043 Power Shift 802 to 2023	20	628 149 C93	TANK ASSY, fuel (Composed of - 1 CAP 701 922 C2 2 RING 317 943 R1 1 STICK 611 410 C1 1 STRAINER 733 294 C1 s 1 TANK) SCREW, 1-1/2" long hex-hd cap (3) SCREW, 2" long hex-hd cap (3) WASHER, hardened (6)
12	629 406 C91	TUBE w/two NUT and two SLEEVE, rear fuel supply Manual Shift 2044 to 3300 Power Shift 2024 to 3300		24 886 R1 24 888 R1 369 857 R1	
13	620 463 C91	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, fuel return (third section) Manual Shift 802 to 2043 Power Shift 802 to 2043	21	701 922 C2 618 688 C1	CAP w/GASKET, 618 688 C1, fuel tank filler (will work for CAP, 305 798 R11) GASKET (Used w/CAP, 701 922 C2)
			25	733 294 C1	STRAINER, fuel (Replaces, 624 478 C1)
			26	317 943 R1	RING, fuel strainer snap (2)
			26A	611 410 C1	STICK, fuel tank dip

s - Not Furnished Separately.

POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
FUEL TANK AND CONNECTIONS - Continued Manual Shift 802 to 3300 Power Shift 802 to 3300			46	265 205 R1	NUT, fuel supply (third section) (2) Manual Shift 802 to 2043 (2) Power Shift 802 to 2023
30	454 104	ELBOW, fuel tank sediment bowl	46		NUT, fuel supply (third section) (Not furnished separately) (2) Manual Shift 2044 to 3300 (2) Power Shift 2024 to 3300
31	219 327	PIPE, fuel tank drain extension			
32	31 729 D	VALVE, fuel tank drain	47	265 204 R1	SLEEVE, fuel supply (third section) (2) Manual Shift 802 to 2043 (2) Power Shift 802 to 2023
33	187 396	COUPLING, fuel tank drain extension			
38	620 461 C91	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, fuel supply (third section) Manual Shift 802 to 2043 Power Shift 802 to 2023	47		SLEEVE, fuel supply (third section) (Not furnished separately) (2) Manual Shift 2044 to 3300 (2) Power Shift 2024 to 3300
38	629 408 C91	TUBE w/two NUT and two SLEEVE, fuel supply (third section) Manual Shift 2044 to 3300 Power Shift 2024 to 3300	48	265 205 R1	NUT, rear fuel supply (2) Manual Shift 802 to 2043 (2) Power Shift 802 to 2023
39	703 422 C1	BRACKET, primary fuel filter Manual Shift 802 to 2043 Power Shift 802 to 2023	48		NUT, rear fuel supply (2) Manual Shift 2044 to 3300 (2) Power Shift 2024 to 3300
	101 896 R1	SCREW, hex-hd cap (4)	49	265 204 R1	SLEEVE, rear fuel supply (2) Manual Shift 802 to 2043 (2) Power Shift 802 to 2023
	103 321	WASHER, lock (4)			
	103 341	WASHER, flat (8)			
	25 522 R1	NUT (4)	49		SLEEVE, rear fuel supply (Not furnished separately) (2) Manual Shift 2044 to 3300 (2) Power Shift 2024 to 3300
40		FILTER ASSY, primary fuel (Refer to "Primary Fuel Filter") Manual Shift 802 to 2043 Power Shift 802 to 2023			
41	606 845 C1	ELBOW, front fuel supply to pump (Used w/TUBE, 617 518 C11) Manual Shift 802 to 1047 Power Shift 802 to 1047	50	265 205 R1	NUT (on tube in tank assembly)
			51	265 204 R1	SLEEVE
41	606 819 C1	CONNECTOR, front fuel supply to pump (Used w/TUBE, 624 606 C91) Manual Shift 1048 to 3300 Power Shift 1048 to 3300	52	603 867 C1	UNION, fuel supply and return tube (2)
42	712 599 C1	SUPPORT, fuel tank (Replaces, 700 463 C1)	53	620 459 C91	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 205 R1, fuel supply (second section)
	25 973 R1	BOLT (4)	54	620 459 C91	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, fuel return (second section)
	238 455 R1	WASHER, hardened (Will work for WASHER, 277 606 R1) (4)	55	265 205 R1	NUT, fuel supply (second section) (2)
43	362 120 R1	CLIP, fuel tank vent and overflow tube (on brake cover bolt)	56	265 204 R1	SLEEVE (2)
44	265 205 R1	NUT, front fuel supply (Used w/TUBE, 617 518 C11 and 624 606 C91) (2)	57	265 205 R1	NUT, fuel return (second section) (2)
44	265 067 R1	NUT, front fuel supply (Used w/TUBE, 706 041 C91) (2)	58	265 204 R1	SLEEVE (2)
45	265 204 R1	SLEEVE (Used w/NUT, 265 205 R1) (2)	59	620 074 C1	BRACKET, fuel tube mounting (For Manual Shift Crawler Tractors not equipped w/Auxiliary Cooler attachment) SCREW, 1/2" hex-hd cap SCREW, 5/16" hex-hd cap WASHER, flat
45	265 066 R1	SLEEVE (Used w/NUT, 265 067 R1) (2)		12 576 R1 25 751 R1 103 340	
			60	624 542 C1	GUARD, rear main frame tube (WASHER, 238 455 R1 is required when guard is used) (Not used w/Ripper Attachment)

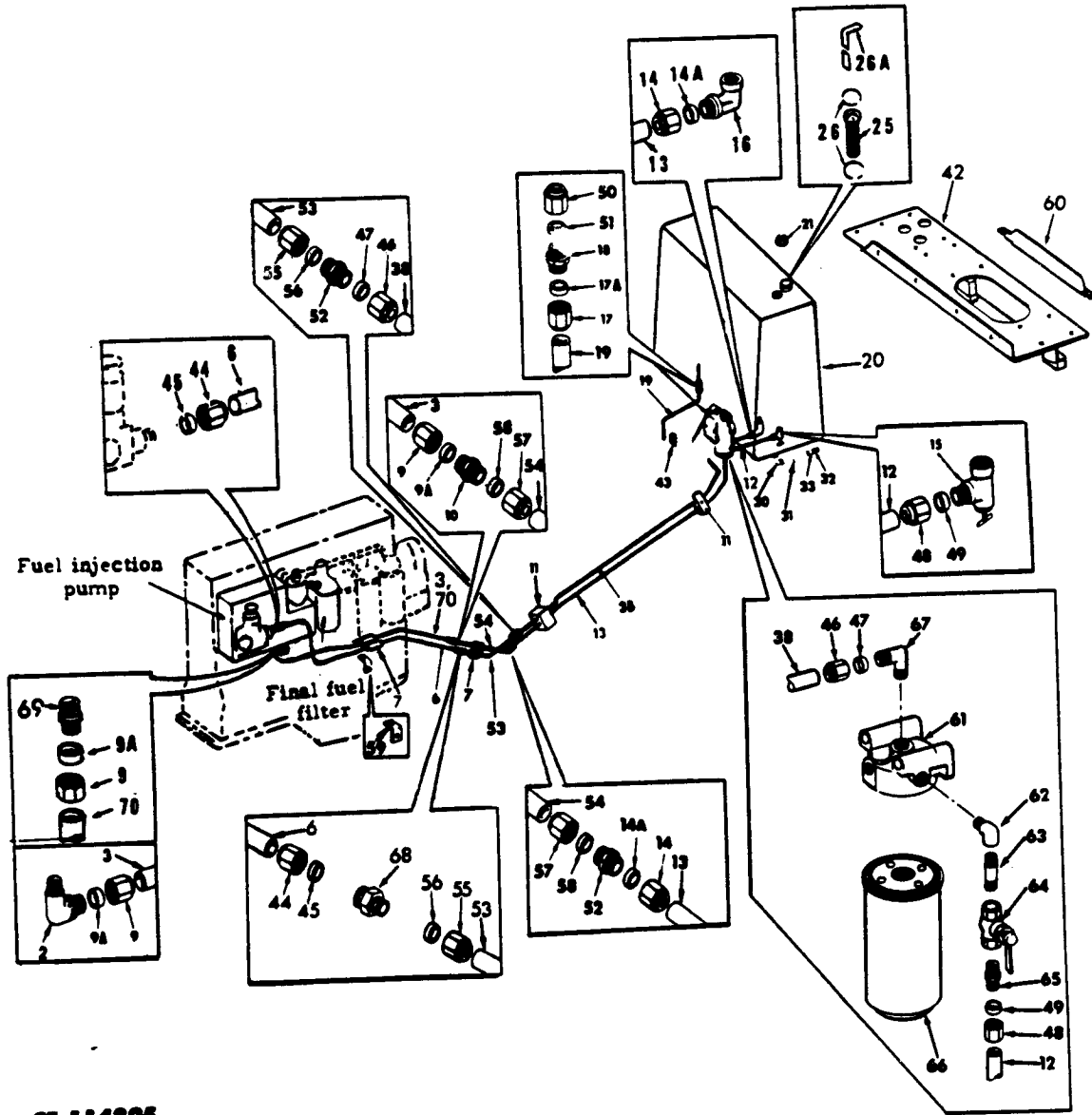
POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
FUEL TANK AND CONNECTIONS - Continued					
Manual Shift 802 to 3300					
Power Shift 802 to 3300					
61	651 560 C1	HEADER, primary fuel filter Manual Shift 2044 and up Power Shift 2024 and up			
	24 845 R1	SCREW, hex-hd cap (2)			
	115 093	WASHER, lock (2)			
	25 522 R1	NUT (2)			
	444 697	PLUG, NPT filter header (2)			
	39 677 DA	VALVE, fuel filter bleed			
62	454 104	ELBOW, primary fuel filter inlet Manual Shift 2044 to 3300 Power Shift 2024 to 3300			
63	121 207	NIPPLE, 3/8 NPT x 1" Manual Shift 2044 to 3300 Power Shift 2024 to 3300			
64	627 686 C1	VALVE, shut-off Manual Shift 2044 to 3300 Power Shift 2024 to 3300			
65	333 773 R1	CONNECTOR Manual Shift 2044 to 3300 Power Shift 2024 to 3300			
66	625 627 C1	ELEMENT, primary fuel filter spin-on Manual Shift 2044 to 3300 Power Shift 2024 to 3300			
67	606 618 C1	ELBOW, fuel filter supply tube outlet Manual Shift 2044 to 3300 Power Shift 2024 to 3300			
68	603 867 C1	UNION, fuel supply tube			
	322 536 R1	BRACKET, fuel supply and return tube clamp			
	320 097 R1	BOLT, bracket (2)			
	305 799 R1	RING, filler cap seal (Used w/CAP, 305 798 R11)			

POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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FUEL TANK AND CONNECTIONS
 Manual Shift 3301 and Up
 Power Shift 3301 and Up



CE-114325

POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
FUEL TANK AND CONNECTIONS - Continued Manual Shift 3301 and up Power Shift 3301 and up			20	700 462 C2	TANK w/o CAP, fuel (For tractors not equipped w/cable control unit order TANK, 628 149 C92) (For tractor equipped w/cable control unit order TANK, 628 149 C92, LINK, 623 495 C1, LINK, 623 498 C1, rod end BEARING, 283 442 R91, and two NUT, 114 496)
2	606 930 C1	ELBOW, fuel return (at pump tee) Manual Shift 3301 to 6044 Power Shift 3301 to 5702			
3	617 520 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, front fuel return Manual Shift 3301 to 6044 Power Shift 3301 to 5702	20	628 149 C93	TANK ASSY, fuel (Composed of - 1 CAP 701 922 C2 2 RING 317 943 R1 1 STICK 611 410 C1 1 STRAINER 733 294 C1 s 1 TANK)
6	706 041 C91	TUBE w/two NUT, 265 067 R1 and two SLEEVE, 265 066 R1 front fuel supply		24 886 R1 24 888 R1 369 857 R1	SCREW, 1-1/2" long hex-hd cap (3) SCREW, 2" long hex-hd cap (3) WASHER, hardened (6)
7	327 071 R1 25 520 R1 25 228 R1	CLAMP, fuel tube (4) NUT SCREW, 3/4" long hex-hd cap SCREW, 2-1/4" long hex-hd cap (Power Shift Crawler Tractor only)	21	701 922 C2	CAP w/GASKET, 618 688 C1, fuel tank filler
	103 340 525 820 R1 116 120	WASHER, flat (3) SPACER, fuel tube clamp WASHER, lock (2)		618 688 C1	GASKET
			25	733 294 C1	STRAINER, fuel (Replaces, 624 478 C1)
9	265 205 R1	NUT, front fuel return (2)	26	317 943 R1	ring, fuel strainer snap (2)
9A	265 204 R1	SLEEVE (2)	26A	611 410 C1	STICK, fuel tank dip
10	603 867 C1	UNION, fuel return tube	30	454 104	ELBOW, fuel tank sediment bowl
11	617 521 C1 272 941 C1 24 840 R1	CLAMP, fuel pipe (2) CUSHION, fuel pipe clamp (4) SCREW, hex-hd cap (4)	31	219 327	PIPE, fuel tank drain extension
12	629 406 C91	TUBE w/two NUT and two SLEEVE, rear fuel supply	32	31 729 D	VALVE, fuel tank drain
13	629 410 C91	TUBE w/two NUT and SLEEVE, fuel return (third section)	33	187 396	COUPLING, fuel tank drain extension
14		NUT, fuel return (third section) (Not furnished separately) (2)	38	629 408 C91	TUBE w/two NUT and two SLEEVE, fuel supply (third section)
14A		SLEEVE, fuel return (third section) (Not furnished separately) (2)	42	712 599 C1	SUPPORT, fuel tank (Replaces, 700 463 C1)
15	650 443 C92	VALVE, fuel tank shut-off		25 973 R1 238 455 R1	BOLT (4) WASHER, hardened (Will work for WASHER, 277 606 R1) (4)
16	333 774 R1	ELBOW, fuel return rear (at fuel tank)	43	362 120 R1	CLIP, fuel tank vent and overflow tube (on brake cover bolt)
17	265 205 R1	NUT, fuel tank vent and over-flow pipe	44	265 067 R1	NUT, front fuel supply (2)
17A	265 204 R1	SLEEVE	45	265 066 R1	SLEEVE (2)
18	603 867 C1	UNION, fuel tank vent	46		NUT, fuel supply (third section) (Not furnished separately) (2)
19	617 059 C11	TUBE w/NUT, 265 205 R1 and SLEEVE, 265 204 R1, fuel tank vent and over-flow	47		SLEEVE, fuel supply (third section) (Not furnished separately) (2)
			48		NUT, rear fuel supply (2)
			49		SLEEVE, rear fuel supply (Not furnished separately) (2)

s - Not Furnished Separately.

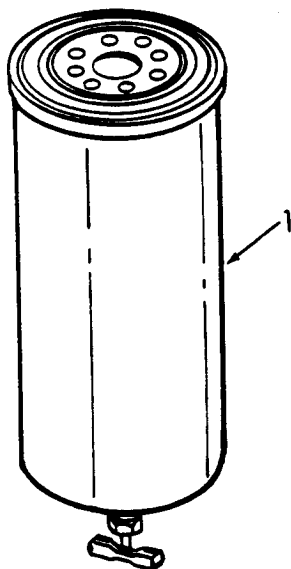
POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
FUEL TANK AND CONNECTIONS - Continued Manual Shift 3301 and Up Power Shift 3301 and Up			70	713 412 C91	TUBE, w/two NUT, 265 205 R1 and two SLEEVE 265 204 R1, front fuel return Manual Shift 6045 and up Power Shift 5703 and up
50	265 205 R1	NUT (on tube in tank assembly)		322 536 R1	BRACKET, fuel supply and return tube clamp
51	265 204 R1	SLEEVE		320 097 R1	BOLT, bracket (2)
52	603 867 C1	UNION, fuel supply and return tube (2)			
53	620 459 C91	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 205 R1, fuel supply (second section)			
54	620 459 C91	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, fuel return (second section)			
55	265 205 R1	NUT, fuel supply (second section) (2)			
56	265 204 R1	SLEEVE (2)			
57	265 205 R1	NUT, fuel return (second section) (2)			
58	265 204 R1	SLEEVE (2)			
59	620 074 C1	BRACKET, fuel tube mounting (For Manual Shift Crawler Tractors not equipped w/Auxiliary Cooler attachment)			
	12 576 R1	SCREW, 1/2" hex-hd cap			
	25 751 R1	SCREW, 5/16" hex-hd cap			
	103 340	WASHER, flat			
60	624 542 C1	GUARD, rear main frame tube (WASHER, 238 455 R1 is required when guard is used)			
61	651 560 C1	HEADER, primary fuel filter			
	24 845 R1	SCREW, hex-hd cap (2)			
	115 093	WASHER, lock (2)			
	25 522 R1	NUT (2)			
	444 697	PLUG, NPT filter header (2)			
	444 612	PLUG			
62	454 104	ELBOW, primary fuel filter inlet			
63	121 207	NIPPLE, 3/8 NPT x 1"			
64	627 686 C1	VALVE, shut-off			
65	333 773 R1	CONNECTOR			
66	625 627 C1	ELEMENT, primary fuel filter spin-on			
67	606 618 C1	ELBOW, fuel filter supply tube outlet			
68	606 915 C1	UNION, fuel supply reducer (center to front tube)			
69	606 819 C1	CONNECTOR, fuel return (at pump tee) Manual Shift 6045 and up Power Shift 5703 and up			

POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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WATER SEPARATOR ATTACHMENT



CF-111569

- 629 493 C91 ATTACHMENT, water separator
(Replaces 635 293 C91) (See
NOTE 3)
- 1 702 255 C1 FILTER, water separator
(Replaces 702 256 C1)

**NOTE 3 - Field Application - Order
Through Regular Service
Parts Channels.**

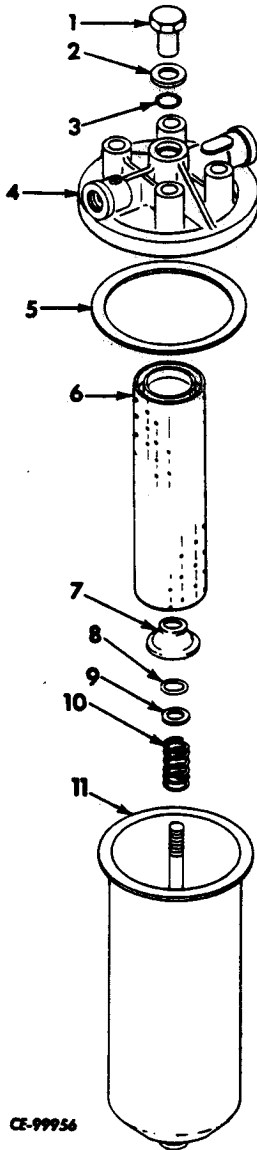
POWER

REF. NO.	PART NUMBER	DESCRIPTION
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REF. NO.	PART NUMBER	DESCRIPTION
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PRIMARY FUEL FILTER
Manual Shift 2043 and Below
Power Shift 2023 and Below

4		HEAD (Not furnished separately)
5	619 382 C1	GASKET, cover
6	619 381 C1	ELEMENT
7	159 591 R1	CUP, support
8	252 738 R1	"O" RING
9	159 594 R1	WASHER
10	619 380 C1	SPRING, retaining
11		CASE (Not furnished separately)



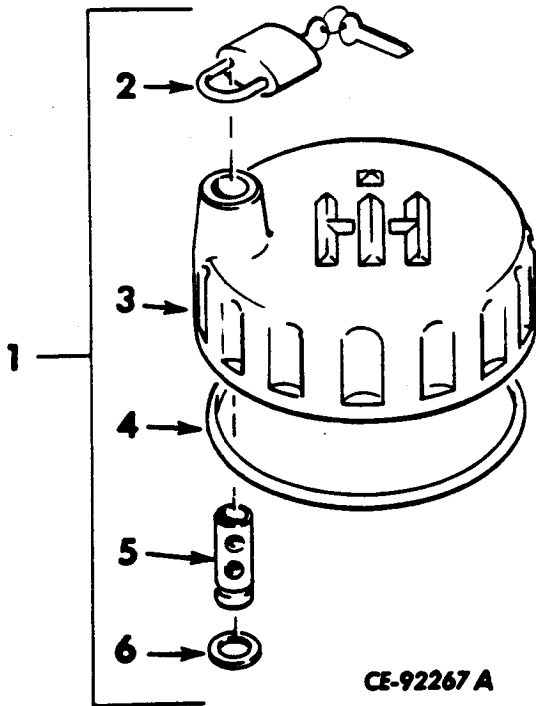
702 623 C91- FILTER ASSY, primary fuel
25 484 R1 SCREW, hex-hd cap (4)
115 109 WASHER, lock (4)
23 323 H SPACER, pipe (4)
(Consists of -

1	619 384 C1	NUT, retaining
2	619 386 C1	WASHER
3	619 383 C1	GASKET, retaining nut

POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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LOCKING CAP



701 980 C92 ATTACHMENT, locking cap (Used only with Fuel Tank and Hydraulic Reservoir CAP, 701 922 C1) (See NOTE 4)

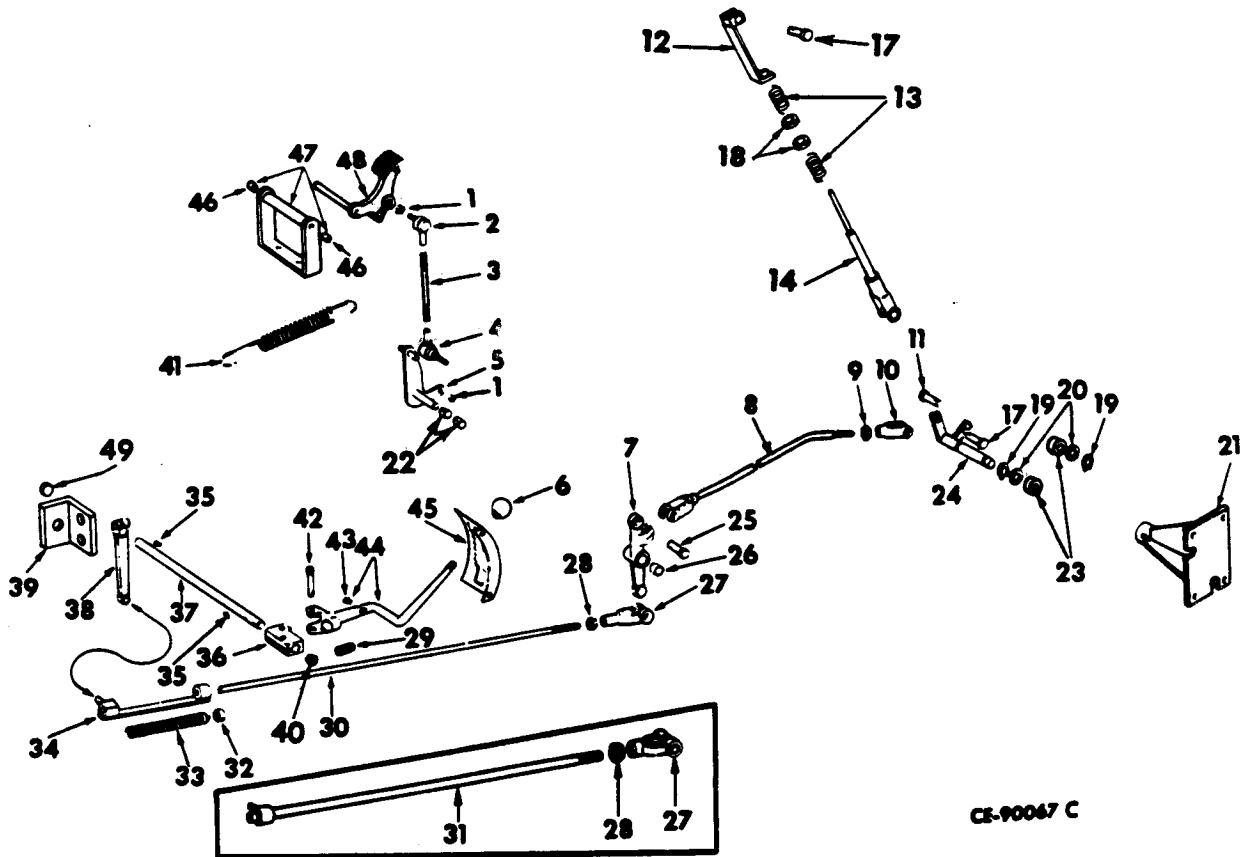
- | | | |
|---|-------------|--|
| 1 | 628 156 C91 | CAP, outer locking |
| 2 | 650 382 C91 | PADLOCK w/KEYS |
| 3 | | CAP, outer locking (Not furnished separately) |
| 4 | 309 056 R1 | RING, retaining (Optional with RING, 300 027 R1) |
| 4 | 300 027 R1 | RING, retaining (Optional with RING, 309 056 R1) |
| 5 | | PIN, locking cap (Not furnished separately) |
| 6 | 23 221 R1 | RING, retaining |

NOTE 4 - Attachment No Longer Available - Service Parts Will Be Furnished.

POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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ENGINE CONTROLS
Manual Shift 1193 and Below
Power Shift 1193 and Below



CE-90067 C

1	25 527 R1 116 121	NUT, NF jam (at Upper Ball Joint) WASHER, lock	7	318 587 R21	LEVER w/BUSHING, 324 652 R1, governor control shaft
1	25 971 R1 116 121	NUT (at Lower Ball Joint) WASHER, lock	8	703 410 C1	ROD, governor control front
2	702 131 C1	JOINT, decelerator pedal push rod ball (RH thread) (Replaces 333 805 R1) (%) (*)	9	25 934 R1	NUT, NF jam
3	341 814 R1 124 934 21 063 R1	ROD, decelerator pedal push (%) (*) NUT, NF JAM NUT (LH thread)	10	116 536	CLEVIS, governor control rod
4	653 873 C1	JOINT, decelerator pedal push rod ball (LH thread) (Replaces 324 970 R1) (%) (*)	11	138 084 103 373	PIN, rod end PIN, cotter
5	318 630 R91 137 190 43 374 D	ARM, decelerator pedal (%) (*) PIN, cotter WASHER, decelerator shaft	12	261 690 R11	TRUNNION, injection pump control
6	264 097 R2	BALL, governor control hand lever	13	261 650 R1	SPRING, control rod (2)
			14	703 479 C1	ROD, bellcrank to pump
			17	103 495	PIN, rod end (2)
			18	25 521 R1	NUT, NF (2)

(%) - For Power Shift Crawler Tractors.
(*) - Part of Decelerator Attachment, 703 590 C91,
for Manual Shift Crawler Tractors.

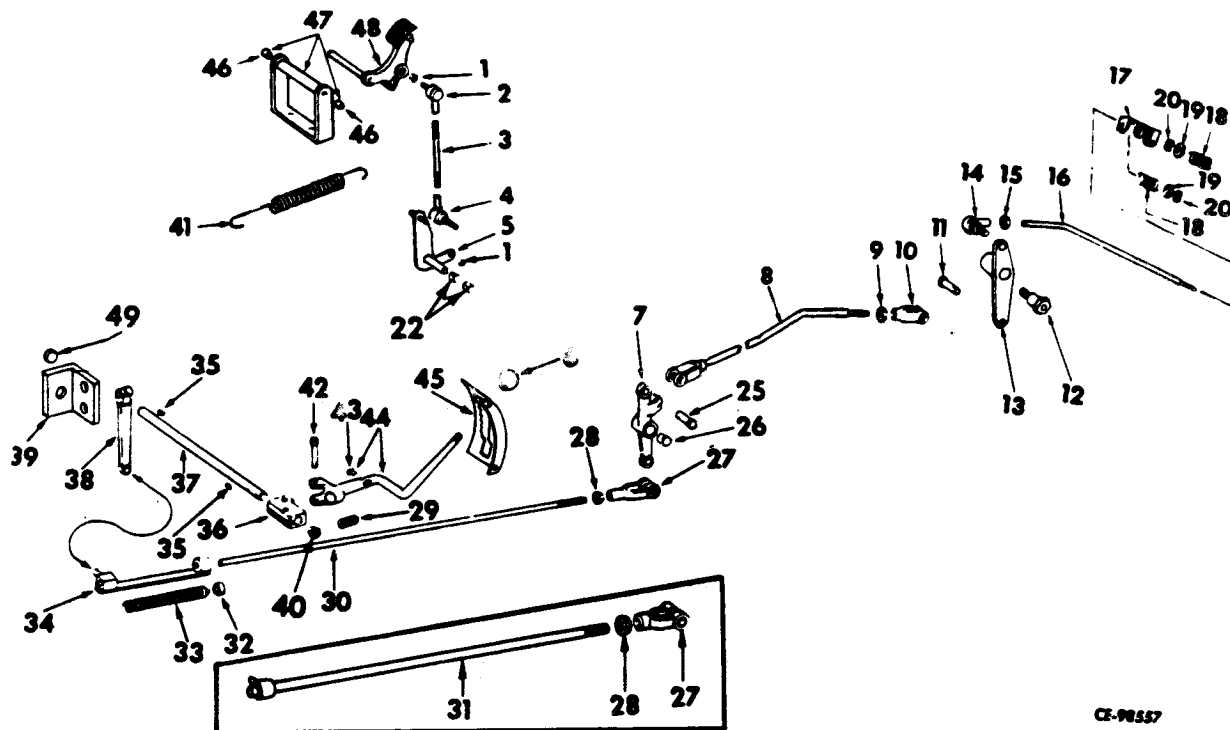
POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ENGINE CONTROLS - Continued Manual Shift 1193 and Below Power Shift 1193 and Below			37	318 577 R1 137 190 103 346	SHAFT, governor control hand lever PIN, cotter (2) WASHER, flat (2)
19	269 181 R1	RING, bellcrank snap (2)	38	318 555 R1 25 522 R1 24 842 R1 115 093	LEVER, governor control NUT SCREW, hex-hd cap WASHER, lock
20	43 374 D	WASHER, bellcrank (2)	39	700 474 C1 24 860 R1 116 121	SUPPORT, governor control shaft SCREW, hex-hd cap (2) WASHER, lock
21	703 406 C91 101 896 R1 103 321	BRACKET w/two BUSHING, 298 216 R1, and FITTING, 126 152, governor control bellcrank SCREW, hex-hd cap (4) WASHER, lock (4)	40	318 557 R1	BUSHING, governor control shaft (seat side sheet)
22	331 182 R1	BUSHING, decelerator pedal arm shaft (%) (*)	41	331 683 R1	SPRING, decelerator pedal return (%) (*)
23	298 216 R1	BUSHING, governor control bellcrank bracket (2)	42	262 704 R1 107 762	PIN, governor control hand lever PIN, cotter
24	703 407 C1	BELLCRANK, governor control	43	251 846 R1	PAWL, governor control hand lever
25	138 086 187 352	PIN, governor control rod end (2) PIN, cotter (2)	44	617 026 C11	LEVER w/PAWL, 251 846 R1, governor control hand
26	324 652 R1	BUSHING, governor control shaft lever	45	620 066 C1 102 635 24 839 R1 115 093	RATCHET, governor control NUT (2) SCREW, hex-hd cap (2) WASHER, lock (2)
27	104 039	CLEVIS, governor control rod adjustable rod end	46	327 465 R1	BUSHING, support decelerator pedal (%) (2)
28	25 527 R1	NUT, NF	47	331 214 R91 25 526 R1 24 860 R1 116 121	SUPPORT w/two BUSHING, 327 465 R1, decelerator pedal (%) (*) NUT (2) SCREW, hex-hd cap (2) WASHER, lock (2)
29	261 650 R1	SPRING, governor control hand lever	48	651 060 C2 324 653 R1 355 476 R1	PEDAL, decelerator (%) (*) RING, decelerator pedal snap (%) WASHER, decelerator pedal (%)
30	318 580 R93	ROD ASSY, governor control rear (%) (*) (Composed of - 1 PIN 142 507 1 ROD 318 583 R1 1 SPRING 331 682 R1 1 STOP 331 150 R1 1 SUPPORT 318 581 R92)	49	331 182 R1	BUSHING, governor control shaft (mount on governor control support)
30	318 583 R1	ROD, governor control rear (%)		142 507	PIN, 3/16 x 7/8" groove (%)
31	703 593 C1 187 352 25 527 R1	ROD, governor control rear (#) PIN, cotter NUT, NF		617 999 C1 137 190 43 374 D	SHAFT, governor control lever (#) PIN, 1/8 x 1-1/8" cotter (2) WASHER (2)
32	331 150 R1 108 632	STOP, governor control rod (%) PIN, groove		703 590 C91	ATTACHMENT, decelerator (#) (See NOTES 1 and 3) (Includes Ref. Nos. 2 thru 5, also 30, 41, 47 and 48)
33	331 682 R1	SPRING, governor control rod (%)			(*) - Part of Decelerator Attachment, 703 590 C91 for Manual Shift Crawler Tractors. (%)- For Power Shift Crawler Tractors. (#)- For Manual Shift Crawler Tractors.
34	318 581 R92 187 352	SUPPORT, governor control rod (%) PIN, cotter			NOTE 1 - Factory Application - Order Machine Order Form. NOTE 3 - Field Application - Order Through Regular Service Parts Channels.
35	124 547	KEY, No. 7 (2)			
36	331 180 R1 25 522 R1 24 841 R1 115 093	HUB, governor control hand lever NUT SCREW, hex-hd cap WASHER, lock			

POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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ENGINE CONTROLS
Manual Shift 1194 and Up
Power Shift 1194 and Up



CE-98557

1	25 527 R1 116 121	NUT, NF jam (At Upper Ball Joint) WASHER, lock	9	25 934 R1	NUT, NF jam
1	25 971 R1 116 121	NUT, NF (At Lower Ball Joint) WASHER, lock	10	104 038	CLEVIS, governor control rod
2	702 131 C1	JOINT, decelerator pedal push rod ball (Upper Joint) (RH thread) (Replaces 333 805 R1) (%) (*)	11	138 084 103 373	PIN, rod end PIN, cotter
3	341 814 R1 124 934 21 063 R1	ROD, decelerator pedal push (%) (*) NUT, NF NUT, jam	12		SHAFT, control lever (+)
4	653 873 C1	JOINT, decelerator pedal push rod ball (LH thread) (Replaces 324 970 R1) (%) (*)	13		LEVER w/BUSHING governor control (+)
5	318 630 R91 137 190 43 374 D	ARM, decelerator pedal (%) (*) PIN, cotter WASHER, decelerator shaft	14		JOINT, ball (+)
6	264 097 R2	BALL, governor control hand lever	15		NUT, hex jam (+)
7	318 587 R21	LEVER w/BUSHING, 324 652 R1, governor control shaft	16		ROD (+)
8	624 463 C1	ROD, governor control front	17		TRUNNION (+)
			18		SPRING, governor control (+) (2)
			19		WASHER (+) (2)

(+) - Refer to Engine Parts Catalog
(*) - Part of Decelerator Attachment, 703 590 C91 for Manual Shift Crawler Tractors
(%) - For Power Shift Crawler Tractors

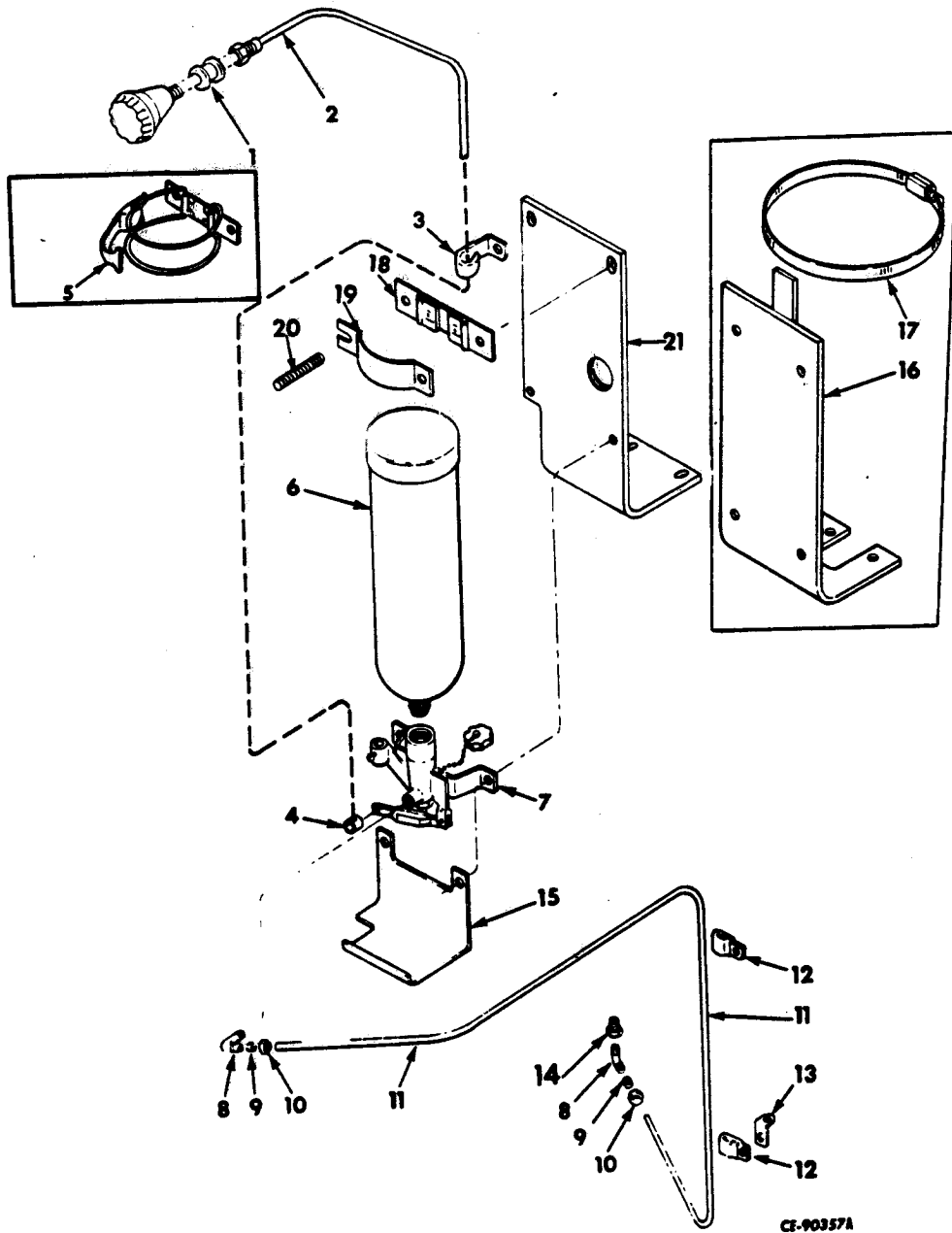
POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ENGINE CONTROLS - Continued Manual Shift 1194 and Up Power Shift 1194 and Up			40	318 557 R1	BUSHING, governor control shaft (seat side sheet)
			41	331 683 R1	SPRING, decelerator pedal return (%) (*)
20		RING, retaining (+) (2)	42	262 704 R1 107 762	PIN, governor control hand lever PIN, cotter
22	331 182 R1	BUSHING, decelerator pedal arm shaft (%) (2)	43	251 846 R1	PAWL, governor control hand lever
25	138 086 187 352	PIN, governor control rod end (2) PIN, cotter (2)	44	617 026 C11	LEVER w/PAWL, 251 846 R1, governor control hand
26	324 652 R1	BUSHING, governor control shaft lever	45	620 066 C1 102 635 24 839 R1 115 093	RATCHET, governor control NUT (2) SCREW, hex-hd cap (2) WASHER, lock (2)
27	104 039	CLEVIS, governor control rod adjustable rod end	46	327 465 R1	BUSHING, support decelerator pedal (%) (2)
28	25 527 R1	NUT, NF	47	331 214 R91	SUPPORT w/two BUSHING, 327 465 R1, decelerator pedal (%) (*)
29	261 650 R1	SPRING, governor control hand lever		25 526 R1 24 860 R1 116 121	NUT (2) SCREW, hex-hd cap (2) WASHER, lock (2)
30	318 580 R93	ROD ASSY, governor control rear (%) (*) (Composed of - 1 PIN 142 507 1 ROD 318 583 R1 1 SPRING 331 682 R1 1 STOP 331 150 R1 1 SUPPORT 318 581 R92)	48	651 060 C2 324 653 R1 355 476 R1	PEDAL, decelerator (%) (*) RING, decelerator pedal snap (%) WASHER, decelerator pedal (%)
30	318 583 R1	ROD, governor control rear (%)	49	331 182 R1	BUSHING, governor control shaft (mount on governor control support)
31	703 593 C1 187 352 25 527 R1	ROD, governor control rear (*) PIN, cotter NUT, NF		142 507	PIN, 3/16 x 7/8" groove (%)
32	331 150 R1 443 147	STOP, governor control rod (%) PIN, groove		617 999 C1 137 190 43 374 D	SHAFT, governor control lever (*) PIN, cotter (2) WASHER (2)
33	331 682 R1	SPRING, governor control rod (%)		703 590 C91	ATTACHMENT, decelerator (*) (See NOTE 3) (Includes Ref. Nos. 2 thru 5, also 30, 41, 47 and 48)
34	318 581 R92 187 352	SUPPORT, governor control rod (%) PIN, cotter			
35	124 547	KEY, No. 7 (2)			
36	331 180 R1 25 522 R1 24 841 R1 115 093	HUB, governor control hand lever NUT SCREW, hex-hd cap WASHER, lock			
37	318 577 R1 137 190 103 346	SHAFT, governor control hand lever PIN, cotter (2) WASHER, flat (2)			(+) - Refer to Engine Parts Catalog.
38	318 555 R1 25 522 R1 24 842 R1 115 093	LEVER, governor control NUT SCREW, hex-hd cap WASHER, lock			(*) - Part of Decelerator Attachment 703 590 C91 for Manual Shift Crawler Tractors. (%)- For Power Shift Crawler Tractors. (#)- For Manual Shift Crawler Tractors.
39	700 474 C1 24 860 R1 116 121	SUPPORT, governor control shaft SCREW, hex-hd cap WASHER, lock (2)			NOTE 3 - Field Application - Order Through Regular Service Parts Channels

POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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ETHER INJECTOR - MECHANICAL
6379 and below



CF-90357A

632 099 C91	ATTACHMENT, ether injector (See NOTE 3)	3	328 616 R1	CLAMP, control cable (On upper L.H. bolt of ether tank strap)	
1	42 723 H	GROMMET, control cable (In dash support top angle)	4	228 219 C1 178 451	STOP, control cable SCREW, NF
2	650 352 C2	CABLE, ether starting control			

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ETHER INJECTOR – MECHANICAL Continued 6379 and below			21	670 843 C1	MOUNT, ether start (Used w/air cleaner outlet pipe, 617 553 C2)
				179 841	SCREW, hex-hd cap (2)
				102 635	NUT, hex (2)
				103 321	WASHER, lock (2)
5	255 815 C91	CLAMP, ether cylinder (order PACKAGE, 678 163 C91)		678 163 C91	PACKAGE, ether cylinder saddle clamp (Consists of -
	179 797	SCREW, 1" hex-hd cap (Used w/air cleaner outlet ELBOW, 617 553 C1) (2)		1 CLAMP	672 593 C1
	179 796	SCREW, 7/8" long hex-hd cap (Used w/air cleaner outlet ELBOW, 617 553 C2) (2)		1 DRAWING	CZG-105
	109 084	NUT, hex (Used w/air cleaner outlet ELBOW, 617 553 C1) (2)		4 NUT	102 634
	103 319	WASHER, lock (2)		1 NUT	411 597 R1
				1 NUT	142 745
				1 SADDLE	398 305 C1
6		CYLINDER, ether (pressurized) (Not furnished as part of attachment; order part no. LP-535-1 from Turner Corp., 821 Park Ave., Sycamore, Ill. 60178)		2 STUD	672 592 C1
				3 WASHER	103 320)
7		VALVE ASSY, ether start (Refer to "Valve Assembly")			
8	140 303	ELBOW, ball sleeve tube (2)			
9	121 322	SLEEVE, ball (2)			
10	121 220	NUT, ball sleeve tube (2)			
11	670 591 C1	TUBE, ether			
12	266 306 C1	CLAMP, ether tube (2)			
	25 955 R1	SCREW, hex-hd cap			
	25 520 R1	NUT			
	103 320	WASHER, lock			
13	670 592 C1	BRACKET, clamp			
14	269 635 R91	NOZZLE (in intake manifold)			
15	670 590 C1	SHIELD, exhaust manifold			
	25 483 R1	SCREW, hex-hd cap (2)			
	25 519 R1	NUT (2)			
	103 319	WASHER, lock (2)			
16	701 345 C1	MOUNT, ether start (Used w/air cleaner outlet pipe, 617 553 C1)			
	24 621 R1	SCREW, hex-hd cap (2)			
	25 522 R1	NUT (2)			
	103 321	WASHER, lock (2)			
	106 262	WASHER, flat (2)			
17	278 053 R91	CLAMP, mount (Used w/MOUNT, 701 345 C1)			
18	398 305 C1	SADDLE, ether cylinder			
19	672 593 C1	CLAMP, ether cylinder			
20	672 592 C1	STUD, saddle (2)			
	142 745	NUT, wing			
	411 597 R1	NUT, lock			
	102 634	NUT, hex (2)			
	103 320	WASHER, lock (3)			

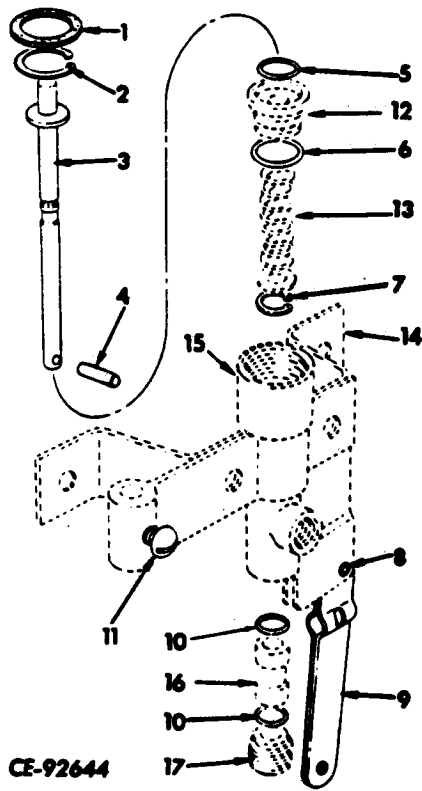
POWER

REF. PART
NO. NUMBER DESCRIPTION

REF. PART
NO. NUMBER DESCRIPTION

ETHER STARTING VALVE
6379 and below

- 13 SPRING, fuel valve (Not furnished separately)
- 14 BRACKET, fuel valve (Not furnished separately)
- 15 BODY, fuel valve (Not furnished separately)
- 16 PLUNGER, fuel valve (Not furnished separately)
- 17 CAP, fuel valve (Not furnished separately)



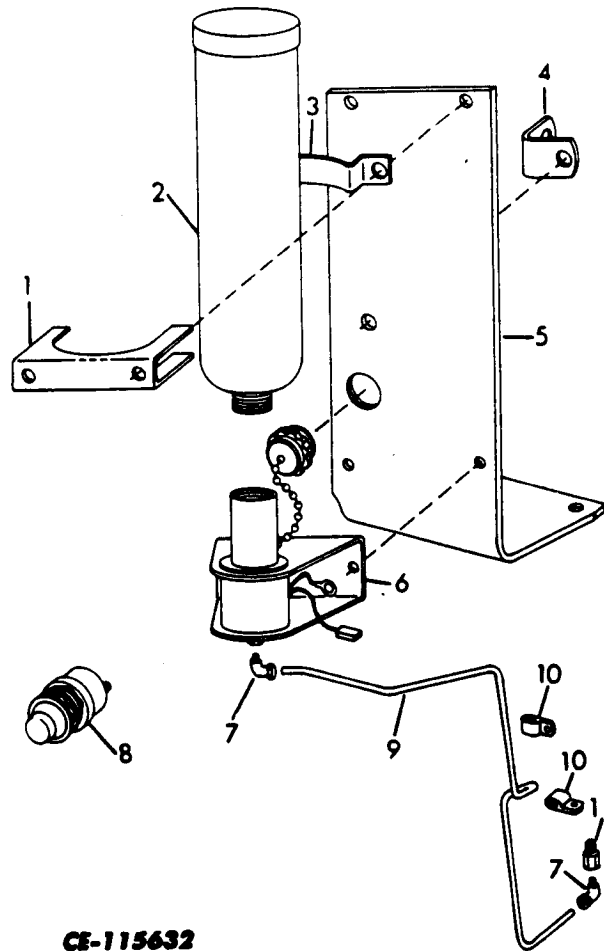
255 816 C91 VALVE ASSY, ether starting
(Consists of the following parts -

- 1 256 049 C1 GASKET, fuel valve
- 2 374 790 R1 RING, snap
- 3 256 401 C91 ROD, push valve
- 4 17 164 R1 PIN, roll
- 5 256 403 C1 "O" RING
- 6 256 402 C1 "O" RING, seal
- 7 268 552 R1 RING, snap
- 8 442 929 PIN, hinge
- 9 257 796 C91 LEVER, valve control
- 10 256 404 C1 "O" RING, seal (2)
- 11 131 731 SCREW, rd-hd slit mach.
- 12 CAP, fuel valve (Not furnished separately)

POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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ETHER INJECTOR – ELECTRIC
6380 and up



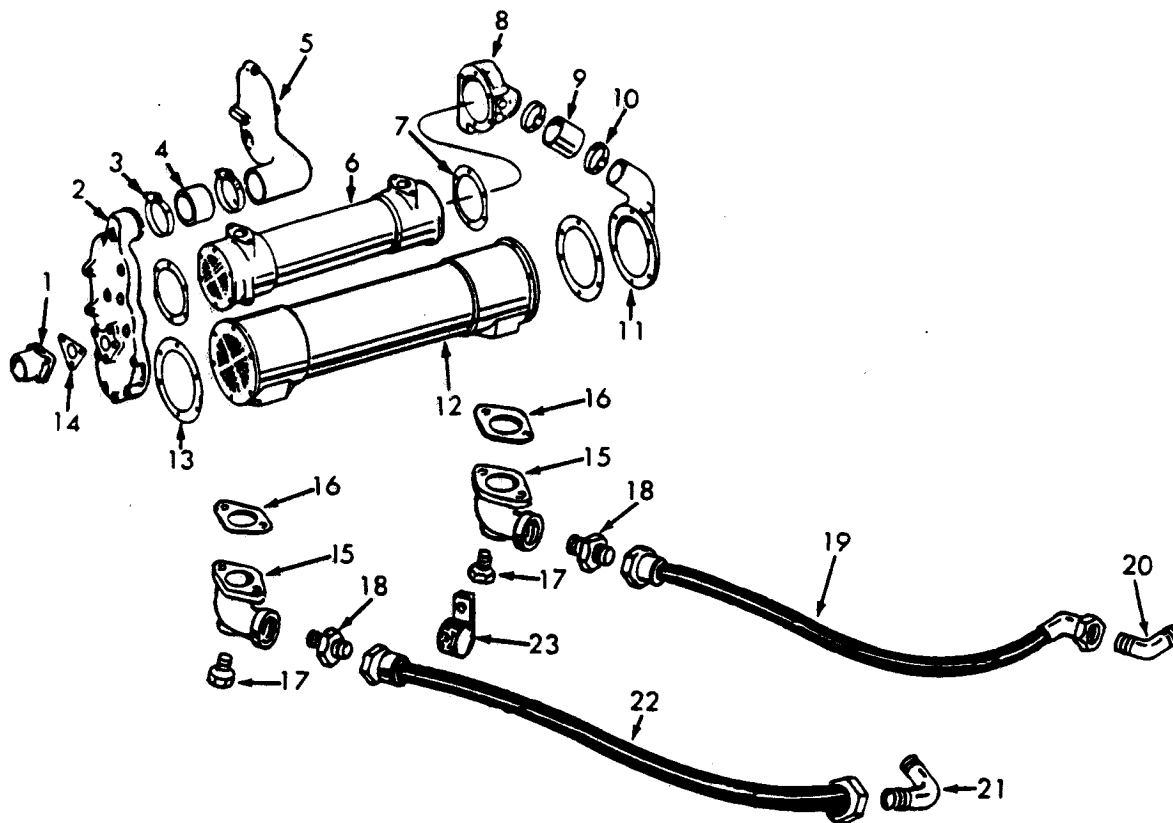
CE-115632

	715 740 C91	ATTACHMENT, ether injector (See NOTE 3)	5	688 226 C1	PLATE, ether primer mounting
1	215 331 R1	CLAMP, cylinder		24 841 R1	BOLT (2)
	27 326 R1	WASHER, hardened (2)		25 896 R1	WASHER, hardened (4)
	924 137 R1	NUT, wing (2)		115 093	WASHER, lock (2)
2		CYLINDER (Not furnished with attachment) (Order number LP-535-1 from Turner Corp., 821 Park Ave., Sycamore, Ill. 60178)	6	685 819 C91	VALVE and COIL
				25 483 R1	BOLT (2)
				25 519 R1	NUT (2)
				27 616 R1	WASHER, hardened (3)
				115 109	WASHER, spring lock
				174 916	WASHER, tooth lock
3	688 288 C1	SADDLE	7	140 304	ELBOW (2)
	650 166 C1	BOLT (2)	8	627 670 C1	SWITCH, starting
	25 520 R1	NUT (2)		or	
	27 326 R1	WASHER, hardened (4)	8	453 453 C1	SWITCH, starting
	116 120	WASHER, lock (2)	9	688 227 C1	TUBE, ether injector
4	680 501 C1	BRACKET, filter brace	10	266 306 C1	CLAMP, ether tube (2)
	24 841 R1	BOLT (2)		26 678 R1	BOLT, 1" long
	25 896 R1	WASHER, hardened (4)		26 680 R1	BOLT, 1-1/2" long
	115 093	WASHER, lock (2)		27 326 R1	WASHER, hardened (2)
	25 522 R1	NUT (2)	11	269 635 R91	NOZZLE, ether injection
					PRODUCT GRAPHIC, cold start (Not Furnished Separately)

POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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CLUTCH OIL COOLER
(Manual Shift Tractors)



CE-108267

1	308 470 R1 24 840 R1 24 846 R1 115 093	CONNECTOR, header water inlet SCREW 1" long hex-hd cap (2) SCREW, 4-1/2" long hex-hd cap WASHER, lock (3)	8	310 107 R1 24 864 R1	HEADER, engine oil cooler rear SCREW, hex-hd cap
2	318 124 R1	HEADER, engine and clutch oil cooler	9	346 759 R1	HOSE, engine oil cooler water outlet
3		CLAMP (*)	10	274 088 R91	CLAMP, water outlet (2)
4		HOSE (*)	11	340 703 R1 444 654 25 689 R1 25 296 R1 116 121	HEADER, cooler rear PLUG, sq-soc hd pipe (2) SCREW, 7-1/2" long hex-hd cap SCREW, 6-1/2" long hex-hd cap WASHER, lock (2)
5	318 123 R11 444 576	ELBOW w/PLUG, 444 576 engine water inlet PLUG	12	603 510 C91 24 842 R1 275 804 R1 24 845 R1 115 093	COOLER, clutch oil SCREW, 1-3/4" long hex-hd cap (8) SCREW, 3" long hex-hd cap (6) SCREW, 4" long hex-hd cap WASHER, lock (15)
6		COOLER, engine oil (*)			
7		GASKET, engine oil cooler (*)			

NOTE — For Parts of Attachment Marked with *
Refer to Engine Parts Catalog, EPC-817B,
or EPC-817C.

POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CLUTCH OIL COOLER (Manual Shift Tractors)					
13	330 251 R1	GASKET, oil cooler (2)			
14	308 471 R1	GASKET, header water inlet connector			
15	331 894 R21	MANIFOLD w/PLUG, 444 632, oil cooler (2)			
	25 496 R1	SCREW, hex-hd cap			
	115 093	WASHER, lock			
16	309 559 R1	GASKET, oil cooler manifold (2)			
17	444 632	PLUG (2)			
18	9 402 713	CONNECTOR, oil cooler manifold (2)			
19	702 681 C1	HOSE w/FITTINGS, cooler outlet manifold to clutch (HOSE, 1" ID x 44" long including FITTINGS)			
20	9 402 869	ELBOW, clutch outlet			
21	9 402 869	ELBOW, clutch pressure booster			
22	343 615 R91	HOSE w/FITTINGS, cooler inlet manifold to clutch booster (HOSE 1" ID x 53" long including FITTINGS)			
23	309 929 R1	CLAMP, cooler inlet hose			
	620 281 C91	ATTACHMENT, clutch oil cooler (For Manual Shift) (See NOTE) (See NOTE 3) (Composed of -			
		1 CLAMP 309 929 R1			
		2 CLAMP 274 088 R91			
		1 CONNECTOR 308 470 R1			
		2 CONNEC- TOR 9 402 713			
		1 COOLER 603 510 C91			
		1 ELBOW 318 123 R11			
		2 ELBOW 9 402 869			
		*1 ELBOW 306 157 R1			
		*1 ELBOW 310 102 R1			
		2 GASKET 330 251 R1			
		1 GASKET 308 471 R1			
		2 GASKET 309 559 R1			
		1 HEADER 310 107 R1			
		1 HEADER 340 703 R1			
		1 HEADER 318 124 R1			
		1 HOSE 346 759 R1			
		*1 HOSE 346 754 R1			
		1 HOSE 343 615 R91			
		1 HOSE 702 681 C1			
		2 MANIFOLD 331 894 R21			
		*1 NUT w/COL- LAR 279 472 R91			
		*1 PIPE 279 684 R21			
		*1 PIPE 701 175 C1			
		*1 SEAL RING 338 619 R1)			

NOTE - For Parts of Attachment Marked with * Refer to Engine Parts Catalog, EPC-817B or EPC-817C.
NOTE 3 - Field Application - Order Through Regular Parts Channels.

**REFER TO ALPHABETICAL INDEX
FOR COMPLETE LISTING OF PARTS**

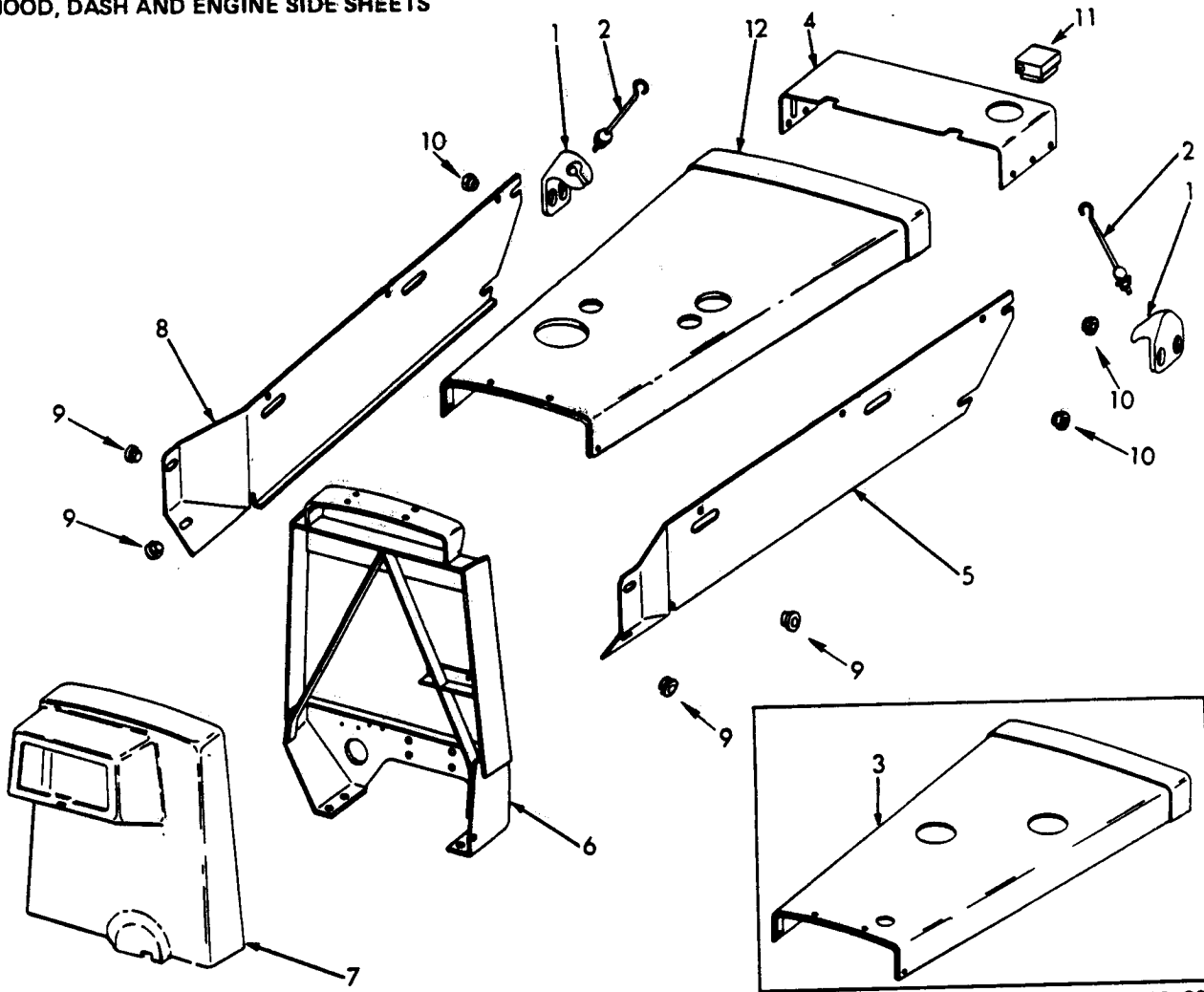
SUPERSTRUCTURE

13

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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HOOD, DASH AND ENGINE SIDE SHEETS



CE-894280

1	617 865 C1 25 272 R1 116 121 103 343	BRACKET, hood hold down (2) SCREW, hex-hd cap (4) WASHER, lock (4) WASHER, flat (4)	4	700 451 C1 26 316 R1 116 121 103 343	SUPPORT, hood front (not used w/ engine enclosure attachment or radiator debris screen attachment) SCREW, hex-hd cap (6) WASHER, lock (6) WASHER, flat (6)
2	703 528 C1	ROD, hood hold down (4)			
3	624 142 C1	HOOD, engine (perforated) (Order HOOD, 629 366 C1)	4	624 144 C91	SUPPORT, w/SHIELD, 624 145 C1, hood front (part of engine enclosure attachment) (Not used with radiator debris screen attachment)
3	629 366 C91	HOOD, w/PLUG, 187 768, engine (perforated) (Part of ATTACHMENT 629 871 C91)		24 859 R1 116 121	SCREW, hex-hd cap (6) WASHER, lock (6)
3	700 450 C1	HOOD, engine (not perforated) (Order HOOD, 629 367 C1)	4		SUPPORT, hood front (used with radiator debris screen) (Refer to "RADIATOR DEBRIS SCREEN")
3	629 367 C1 26 318 R1 116 121 103 343	HOOD, w/PLUG, 187 768, engine (not perforated) Manual Shift 6379 and below Power Shift 6379 and below SCREW, hex-hd cap (4) WASHER, lock (4) WASHER, flat (4)	5	617 901 C1	SHEET, RH engine side

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HOOD, DASH AND ENGINE SIDE SHEET - Continued			636 629 C91	ATTACHMENT, perforated hood (Consists of HOOD, 712 233 C1, four BOLT 24 862, four WASHER 103 347, and four WASHER 116 121) (See NOTE 3) Manual Shift 6380 and up Power Shift 6380 and up	
6	632 567 C1	FRAME, dash support (Order FRAME, 703 529 C2)	629 870 C92	ATTACHMENT, engine enclosure and perforated hood (Consists of ATTACHMENT, 629 869 C92, and ATTACHMENT, 629 871 C91) (See NOTE 3) Manual Shift 6379 and below Power Shift 6379 and below	
7	616 473 C2	DASH (Standard) (Also used w/CAB) * and below	636 633 C91	ATTACHMENT, engine enclosure and perforated hood (Consists of ATTACHMENT 636 632 C91 and ATTACHMENT, 636 629 C91) (See NOTE 3) Manual Shift 6380 and up Power Shift 6380 and up	
	24 862 R1	SCREW, hex-hd cap (8)			
	116 121	WASHER, lock (8)			
	446 229	WASHER, flat (8)			
7	663 391 C91	DASH (Used w/CAB) * and up	650 382 C91	PADLOCK w/KEYS (Part of ATTACHMENT, 632 176 C91 and 632 177 C91)	
	663 393 C1	SEAL, dash			
	24 862 R1	SCREW, hex-hd cap (8)			
	116 121	WASHER, lock (8)			
	446 229	WASHER, flat (8)			
8	617 900 C1	SHEET, LH engine side			
9	331 378 R1	SPACER, sheet mounting bolt (rear end) (4)			
	454 522 R1	NUT (Nylon insert) (4)			
	25 278 R1	BOLT (4)			
	26 316 R1	BOLT (4)			
10	620 073 C1	SPACER, engine side sheet mounting bolt (front end) (4) Manual Shift 1263 and below Power Shift 1263 and below			
	20 615 R1	SCREW, hex-hd cap (Nylok) (4)			
10	331 378 R1	SPACER, sheet mounting bolt (front end) (4) Manual Shift 1264 and up Power Shift 1264 and up			
	25 578 R1	BOLT (4)			
	26 316 R1	BOLT (4)			
	454 522 R1	NUT (4)			
11	624 145 C1	SHIELD, radiator cap (part of SUPPORT, 624 144 C91)			
12	667 895 C1	HOOD, engine (not perforated) Manual Shift 6380 and up Power Shift 6380 and up			
12	712 233 C1	HOOD, engine (perforated) (Part of ATTACHMENT 636 629 C91)			
	26 318 R1	BOLT (4)			
	116 121	WASHER, lock (4)			
	103 343	WASHER, flat (4)			
	187 768	PLUG, button (reservoir filter neck access hole)			
	629 871 C91	ATTACHMENT, perforated hood (Consists of HOOD, 629 366, C91, four SCREW, 24 862 R1, four WASHER, 103 347, and four WASHER, 116 121) (See NOTE 3) Manual Shift 6379 and below Power Shift 6379 and below			

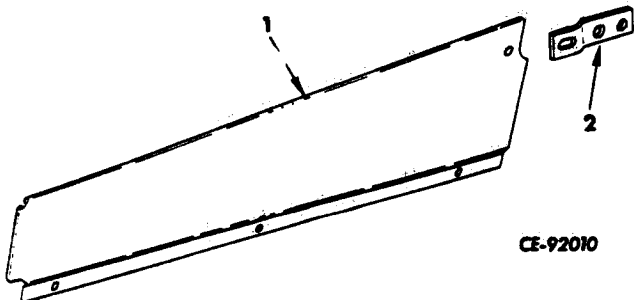
NOTE 3 - Field Application - Order through Regular Service Parts Channels.

* - Serial Number Not Available.

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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ENGINE SIDE SHEET EXTENSIONS



	703 537 C91	ATTACHMENT, engine side sheet extension (not used w/engine side enclosure) (See NOTE 3)
1	703 534 C1 24 860 R1 116 121	EXTENSION, engine side sheet—LH SCREW, hex-hd cap (3) WASHER, lock (3)
1	703 535 C1 24 860 R1 116 121	EXTENSION, engine side sheet—RH SCREW, hex-hd cap (3) WASHER, lock (3)
2	620 143 C1	SUPPORT, extension (2) Manual Shift 501 and up (2) Power Shift 544 and up
	25 274 R1	SCREW, 1-1/8" long hex-hd cap (4)
	24 860 R1	SCREW, 1" long hex-hd cap (2)
	116 121	WASHER, lock (2)
	103 343	WASHER, flat (2)

NOTE 3 - Field Application -
Order through Regular
Service Parts Channels.

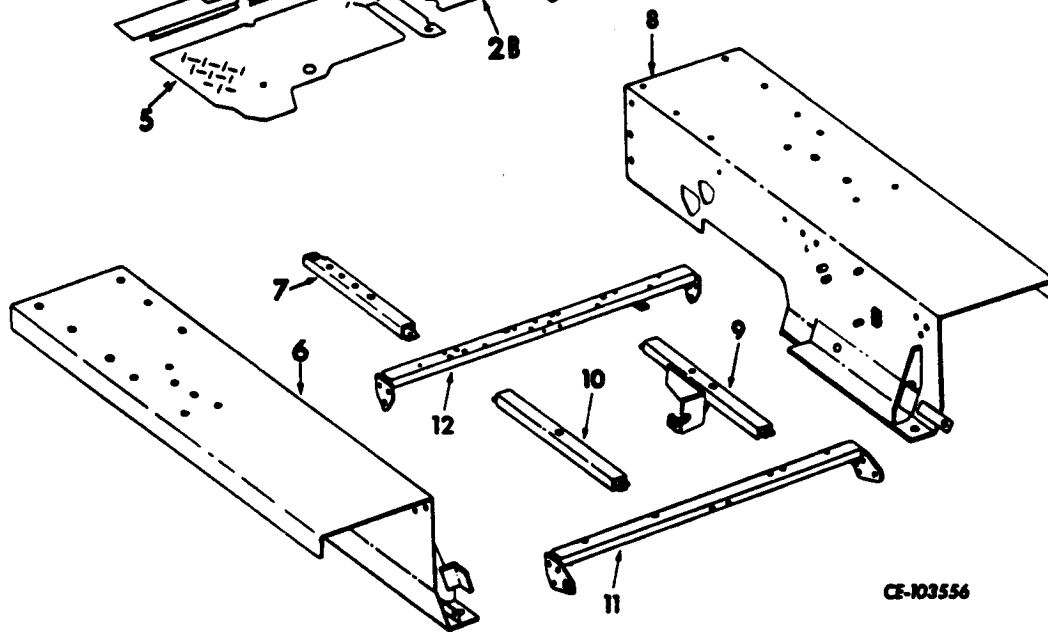
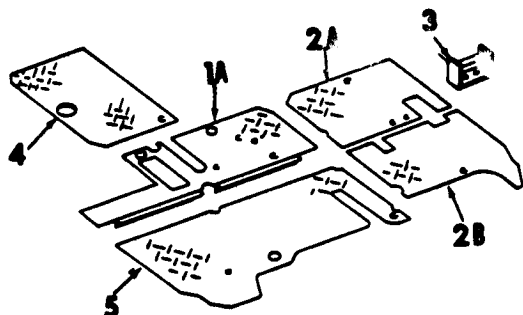
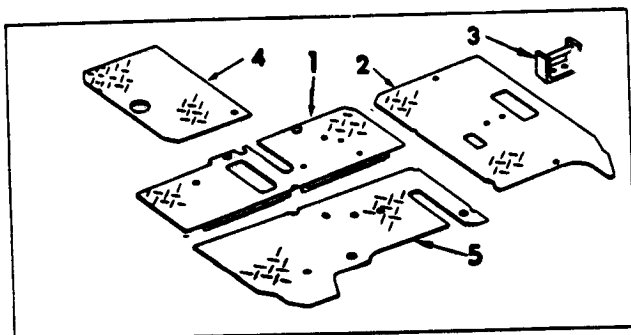
SUPERSTRUCTURE

MEMORANDA

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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FENDERS, PLATFORMS, SUPPORTS AND FOOTREST Manual Shift 2091 and below



CF-103556

1	703 552 C1	PLATFORM, RH center Manual Shift * and below
	24 860 R1	SCREW, hex-hd cap (4)
	116 121	WASHER, lock (4)
	106 264	WASHER, flat (2)

1	620 486 C1	PLATFORM, RH center Manual Shift * to 2037
	24 860 R1	SCREW, hex-hd cap (3)
	116 121	WASHER, lock (3)
	446 229	WASHER, flat (3)

1A	620 492 C1	PLATFORM, RH center Manual Shift 2038 to 2091
	24 860 R1	SCREW, hex-hd cap (3)
	116 121	WASHER, lock (3)
	446 229	WASHER, flat (3)

2	703 553 C1	PLATFORM, LH Manual Shift * and below
		(Order the following parts -
	1 PLATFORM	620 326 C1
	1 PLATFORM	620 329 C1
	5 SCREW	24 860 R1
	5 WASHER	116 121
	5 WASHER	446 229

* - Serial Number Not Available

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
FENDERS, PLATFORMS, SUPPORTS AND FOOTREST -			8	700 428 C1	FENDER, LH
Continued				25 529 R1	NUT (6)
Manual Shift 2091 and below				24 888 R1	SCREW, 3/4" dia., hex-hd cap (6)
				25 764 R1	SCREW, 7/8" dia., hex-hd cap (2)
2	703 553 C1	PLATFORM, LH (Continued)		369 857 R1	WASHER, hardened (12)
		Manual Shift * and below		617 847 C1	WASHER, hardened (2)
	24 860 R1	SCREW, hex-hd cap (2)	9	703 551 C1	SUPPORT, LH platform w/DECELERATOR bracket
	116 121	WASHER, lock (2)			SCREW, 1-1/2" long, hex-hd cap
2A	620 326 C1	PLATFORM, LH rear		24 862 R1	SCREW, 1-3/4" long, hex-hd cap
		Manual Shift * to 2091		24 863 R1	WASHER, 1/2" lock (PHC) (2)
	24 860 R1	SCREW, hex-hd cap (2)		116 121	
	116 121	WASHER, lock (2)	10	703 550 C1	CHANNEL, RH platform support
	446 229	WASHER, flat (2)		24 862 R1	SCREW, 1-1/2" long, hex-hd cap
				24 863 R1	SCREW, 1-3/4" long, hex-hd cap
2B	620 329 C1	PLATFORM, LH front		116 121	WASHER, lock (2)
		Manual Shift * to 2091			
	24 860 R1	SCREW, hex-hd cap (3)	11	700 431 C1	CROSSMEMBER, front fender and platform support
	116 121	WASHER, lock (3)			SCREW, hex-hd cap (6)
	446 229	WASHER, flat (3)		25 935 R1	
3	331 195 R91	FOOTREST (2)	12	700 018 C1	CROSSMEMBER, rear fender and platform support
	25 526 R1	NUT (2)			SCREW, NF, hex-hd cap (6)
	24 860 R1	SCREW, hex-hd cap (2)		25 329 R1	SCREW, NF, 1-1/4" long, hex-hd cap (5)
	116 121	WASHER, lock (2)		25 329 R1	BOLT, NF, 2" long
4	617 444 C1	PLATFORM, RH rear		25 051 R1	
		Manual Shift * and below		604 021 C1	TREAD, safety walk (4 used on units equipped w/CARCO Winch) (2 used on units not equipped w/CARCO winch)
4	620 490 C1	PLATFORM, RH rear		703 094 C91	ATTACHMENT, footrest (for RH platform) (Consists of FOOTREST, 331 195 R91) (See NOTE 3)
		Manual Shift * to 2091			Manual Shift 761 and below
	24 860 R1	SCREW, hex-hd cap			
	116 121	WASHER, lock			
5	617 858 C1	PLATFORM, RH front			
		Manual Shift * and below			
5	620 489 C1	PLATFORM, RH front			
		Manual Shift * to 2091			
	24 860 R1	SCREW, hex-hd cap (4)			
	116 121	WASHER, lock (4)			
	106 264	WASHER, flat (2)			
6	700 429 C2	FENDER—RH (Not used on machines equipped with rear-mounted cable control unit)			
6	701 822 C1	FENDER—RH (Used on machines equipped with rear-mounted cable control unit)			
	25 529 R1	NUT (9)			
	24 888 R1	SCREW, 3/4" dia., hex-hd cap (9)			
	25 764 R1	SCREW, 7/8" dia., hex-hd cap (2)			
	369 857 R1	WASHER, hardened (18)			
	617 847 C1	WASHER, hardened (2)			
7	700 443 C1	CHANNEL, battery box support			
	25 526 R1	NUT (2)			
	24 861 R1	SCREW, hex-hd cap (2)			
	116 121	WASHER, lock (2)			

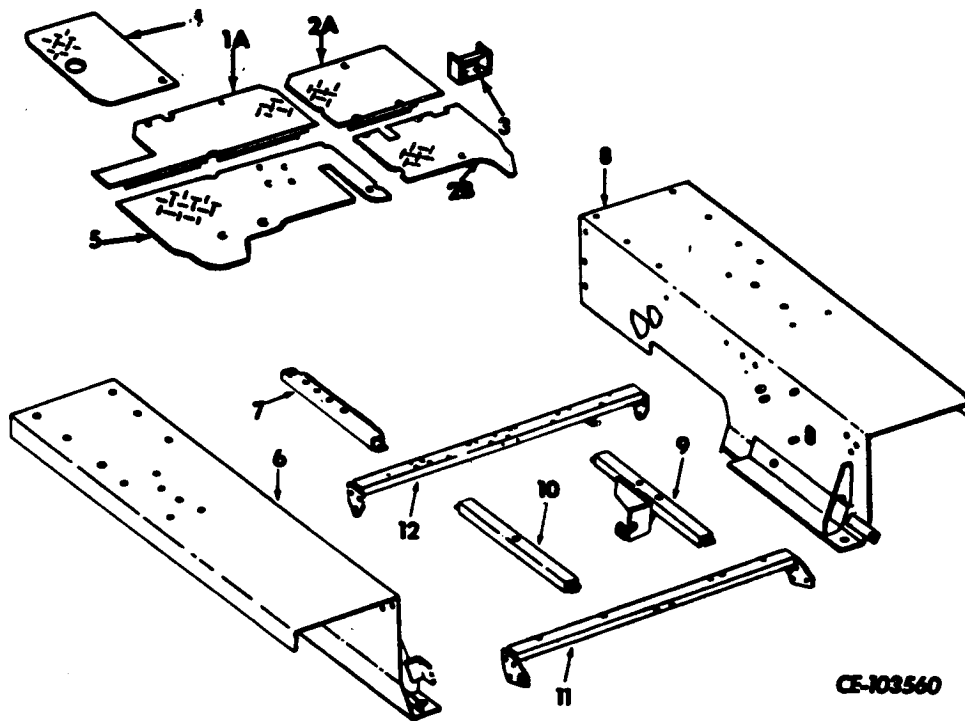
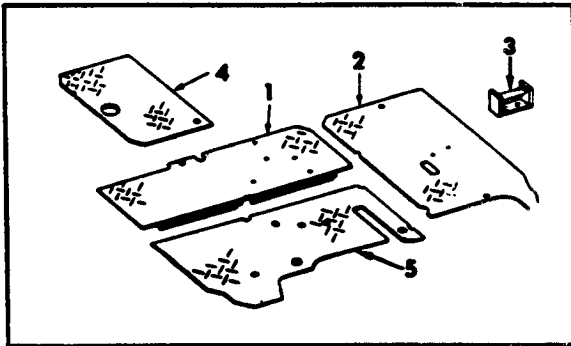
* - Serial Number Not Available.

NOTE 3 - Field Application - Order through Regular Service Parts Channels.

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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FENDERS, PLATFORMS, SUPPORTS AND FOOTREST
Power Shift 2091 and below



CE-103560

1	703 554 C1	PLATFORM, RH center Power Shift * and below	1A	620 494 C1	PLATFORM, RH center Power Shift 2038 to 2091
	24 860 R1	SCREW, hex-hd cap (4)		24 860 R1	SCREW, hex-hd cap (3)
	116 121	WASHER, lock (4)		116 121	WASHER, lock (3)
	106 264	WASHER, flat (2)		446 229	WASHER, flat (3)
1	620 488 C1	PLATFORM, RH center Power Shift * to 2037	2	700 440 C1	PLATFORM, LH Power Shift * and below
	24 860 R1	SCREW, hex-hd cap (3)			(Order the following parts -
	116 121	WASHER, lock (3)			1 PLATFORM 620 329 C
	446 229	WASHER, flat (3)			1 PLATFORM 620 331 C
					5 SCREW 24 860 R
					5 WASHER 116 121
					5 WASHER 446 229
				24 860 R1	SCREW, hex-hd cap (2)
				116 121	WASHER, lock (2)

* - Serial Number Not Available

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
FENDERS, PLATFORMS, SUPPORTS AND FOOTREST - Continued			7	700 443 C1	CHANNEL, battery box support
Power Shift 2091 and below				25 526 R1	NUT (2)
				24 861 R1	SCREW, hex-hd cap (2)
				116 121	WASHER, lock (2)
2A	620 331 C1	PLATFORM, LH rear Power Shift * to 2091	8	700 428 C1	FENDER, LH
	24 860 R1	SCREW, hex-hd cap (2)		25 529 R1	NUT (6)
	116 121	WASHER, lock (2)		24 888 R1	SCREW, 3/4" dia., hex-hd cap (6)
	446 229	WASHER, flat (2)		25 764 R1	SCREW, 7/8" dia., hex-hd cap (2)
				369 857 R1	WASHER, hardened (12)
				617 847 C1	WASHER, hardened (2)
2B	620 330 C1	PLATFORM, LH front (Order PLATFORM, 620 329 C1) Power Shift * to 2091	9	703 551 C1	SUPPORT, LH platform w/DECELERATOR bracket
				24 852 R1	SCREW, 1-1/2" long, hex-hd cap
				24 863 R1	SCREW, 1-3/4" long, hex-hd cap
				116 121	WASHER, lock (2)
2B	620 329 C1	PLATFORM, LH front (Used only when PLATFORM 700 440 C1 and 620 330 C1 are replaced) Power Shift 2091 and below	10	703 550 C1	CHANNEL, RH platform support
	24 860 R1	SCREW, hex-hd cap (3)		24 862 R1	SCREW, 1-1/2" long, hex-hd cap
	116 121	WASHER, lock (3)		24 863 R1	SCREW, 1-3/4" long, hex-hd cap
	446 229	WASHER, flat (3)		116 121	WASHER, lock (2)
3	331 195 R91	FOOTREST	11	700 431 C1	CROSSMEMBER, front fender and platform support
	25 526 R1	NUT (2)		25 935 R1	SCREW, hex-hd cap (6)
	24 860 R1	SCREW, hex-hd cap (2)			
	116 121	WASHER, lock (2)			
4	617 444 C1	PLATFORM, RH rear Power Shift * and below	12	700 018 C1	CROSSMEMBER, rear fender and platform support
				25 329 R1	SCREW, NF, 1-1/4" long, hex-hd cap (5)
4	620 490 C1	PLATFORM, RH rear Power Shift * to 2091		25 051 R1	BOLT, NF, 2" long
	24 860 R1	SCREW, hex-hd cap		604 021 C1	TREAD, safety walk (4 used on units equipped w/CARCO Winch) (2 used on units not equipped w/CARCO Winch)
	116 121	WASHER, lock		703 094 C91	ATTACHMENT, footrest (For RH platform) (Consists of FOOTREST, 331 195 R91) (See NOTE 3) Power Shift 761 and below
5	617 858 C1	PLATFORM, RH front Power Shift * and below			
5	620 489 C1	PLATFORM, RH front Power Shift * to 2091			
	24 860 R1	SCREW, hex-hd cap (4)			
	116 121	WASHER, lock (4)			
	106 264	WASHER, flat (2)			
6	700 429 C2	FENDER, RH (Not used on machines equipped w/rear-mounted cable control unit)			
6	701 822 C1	FENDER, RH (Used on machines equipped w/rear-mounted cable control unit)			
	25 529 R1	NUT (9)			
	24 888 R1	SCREW, 3/4" dia., hex-hd cap (9)			
	25 764 R1	SCREW, 7/8" dia., hex-hd cap (2)			
	369 857 R1	WASHER, hardened (18)			
	617 847 C1	WASHER, hardened (2)			

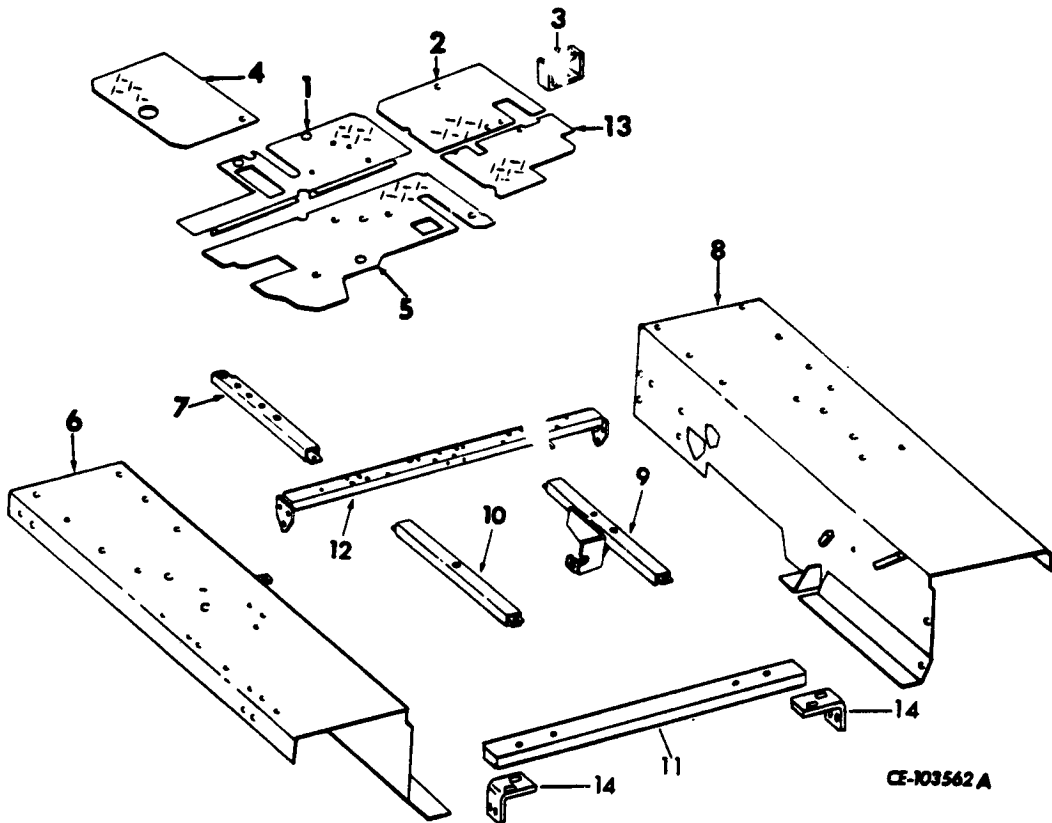
* - Serial Number Not Available.

NOTE 3 - Field Application - Order through Regular Service Parts Channels.

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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FENDERS, PLATFORMS, SUPPORTS AND FOOTREST
Manual Shift 2092 and up



1	620 491 C1 26 316 R1 25 555 R1	PLATFORM, RH center SCREW, hex-hd cap (3) WASHER, flat (2)	6	663 069 C1	FENDER, RH (Not used on machines equipped w/rear-mounted cable control unit) (Order the following parts - 2 ANGLE 663 344 C1 1 FENDER 663 069 C2 4 NUT 25 526 R1 4 SCREW 24 862 R1 4 WASHER 116 121 8 WASHER 118 777
2	620 326 C1 26 316 R1 25 555 R1	PLATFORM, LH rear SCREW, hex-hd cap (2) WASHER, flat (2)	6	663 069 C2	FENDER, RH (Not used on machines equipped w/rear-mounted cable control unit) NUT (6) SCREW, hex-hd cap (6) WASHER, hardened (12)
3	331 195 R91 25 526 R1 24 860 R1 116 121	FOOTREST (2) NUT (2) SCREW, hex-hd cap (2) WASHER, lock (2)	6	701 822 C1	FENDER, RH (Used on machines equipped w/rear-mounted cable control unit) NUT (9) SCREW, 3/4" dia., hex-hd cap (9) SCREW, 7/8" dia., hex-hd cap (2) WASHER, hardened (18) WASHER, hardened (2)
4	620 490 C1 26 316 R1 25 536 R1	PLATFORM, RH rear SCREW, hex-hd cap WASHER, flat		25 529 R1 24 888 R1 369 857 R1	
5	646 091 C2 26 316 R1 25 536 R1	PLATFORM, RH front SCREW, hex-hd cap (2) WASHER, flat		25 529 R1 24 888 R1 25 764 R1 369 857 R1 617 847 C1	

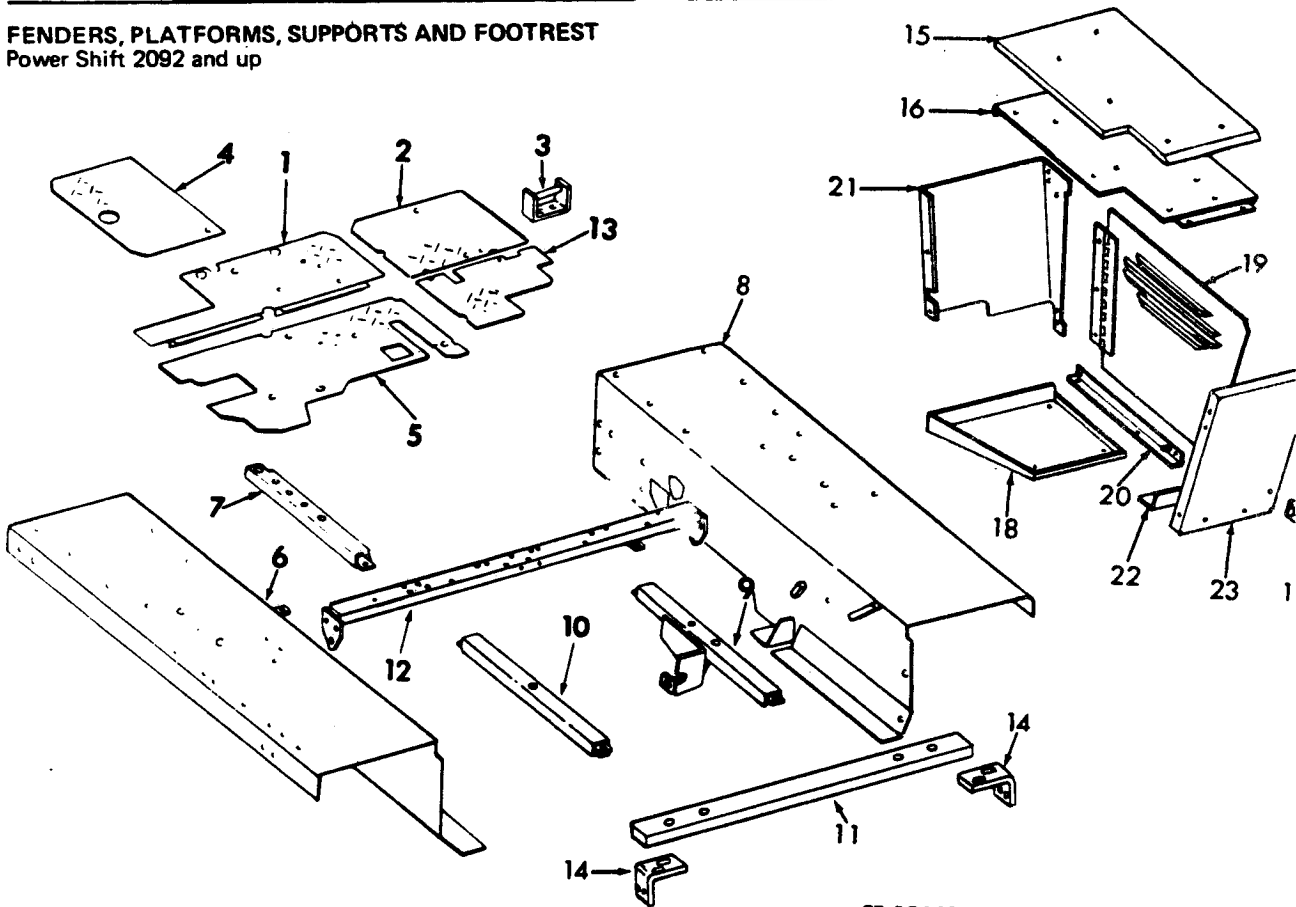
SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
FENDERS, PLATFORMS, SUPPORTS AND FOOTREST -					
Continued					
Manual Shift 2092 and up					
7	700 443 C1	CHANNEL, battery box support			
	25 526 R1	NUT (2)			
	24 861 R1	SCREW, hex-hd cap (2)			
	116 121	WASHER, lock (2)			
8	663 068 C1	FENDER, LH			
		(Order the following parts -			
	2 ANGLE	663 344 C1			
	1 FENDER	663 068 C2			
	4 NUT	25 526 R1			
	4 SCREW	24 862 R1			
	4 WASHER	116 121			
	8 WASHER	118 777)
8	663 068 C3	FENDER, LH			
	25 529 R1	NUT (9)			
	24 888 R1	SCREW, hex-hd cap (9)			
	369 857 R1	WASHER, hardened (18)			
9	703 551 C1	SUPPORT, LH platform w/DECELERATOR bracket			
	24 862 R1	SCREW, 1-1/2" long, hex-hd cap			
	24 863 R1	SCREW, 1-3/4" long, hex-hd cap			
	116 121	WASHER, lock (2)			
10	703 550 C1	CHANNEL, RH platform support			
	24 862 R1	SCREW, 1-1/2" long, hex-hd cap			
	24 863 R1	SCREW, 1-3/4" long, hex-hd cap			
	116 121	WASHER, lock (2)			
11	645 545 C1	CROSSMEMBER w/BRACKET, front fender and platform support			
		Manual Shift 2092 to 2726			
	25 935 R1	SCREW, hex-hd cap (6)			
11	645 546 C2	CROSSMEMBER, front fender and platform support			
		Manual Shift 2727 and up			
	24 860 R1	SCREW, hex-hd cap (4)			
12	700 018 C1	CROSSMEMBER, rear fender and platform support			
	25 329 R1	SCREW, NF, 1-1/4" long, hex-hd cap (5)			
	25 051 R1	BOLT, NF, 2" long			
13	663 112 C1	PLATFORM, LH front			
	26 136 R1	SCREW, hex-hd cap (2)			
	25 555 R1	WASHER, flat (2)			
	604 021 C1	TREAD, safety walk (4 used on units equipped w/CARCO Winch) (2 used on units not equipped w/CARCO Winch) (Not used w/CAB)			
14	663 161 C1	BRACKET, front platform support			
		(Used w/CROSSMEMBER, 645 546 C2) (2)			
	24 872 R1	SCREW, hex-hd cap (4)			
	663 344 C1	ANGLE, fender (2)			
	25 526 R1	NUT (4)			
	24 862 R1	SCREW, hex-hd cap (4)			
	116 121	WASHER, lock (4)			
	118 777	WASHER, flat (8)			

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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FENDERS, PLATFORMS, SUPPORTS AND FOOTREST Power Shift 2092 and up



CE-106436A

1	620 494 C1 26 316 R1 25 555 R1	PLATFORM, RH center SCREW, hex-hd cap (3) WASHER, flat (3)	6	663 069 C1	FENDER, RH (Not used on machine equipped w/rear-mounted cable control unit) (Order the following parts - 2 ANGLE 663 344 C1 1 FENDER 663 069 C2 4 NUT 25 526 R1 4 SCREW 24 862 R1 4 WASHER 116 121 8 WASHER 118 777
2	620 331 C1 26 316 R1 25 555 R1	PLATFORM, LH rear SCREW, hex-hd cap (2) WASHER, flat (2)	6	663 069 C2	FENDER, RH (Not used on machine equipped w/rear-mounted cable control unit) NUT (6) SCREW, hex-hd cap (6) WASHER, hardened (12)
3	331 195 R91 25 526 R1 24 860 R1 116 121	FOOTREST NUT (2) SCREW, hex-hd cap (2) WASHER, lock (2)	6	701 822 C1	FENDER, RH (Used on machines equipped w/rear-mounted cable control unit) NUT (9) SCREW, 3/4" dia., hex-hd cap (9) SCREW, 7/8" dia., hex-hd cap (2) WASHER, hardened (18) WASHER, hardened (2)
4	620 490 C1 26 316 R1 25 536 R1	PLATFORM, RH rear SCREW, hex-hd cap WASHER, flat	7	700 443 C1 25 526 R1 24 861 R1 116 121	CHANNEL, battery box support NUT (2) SCREW, hex-hd cap (2) WASHER, lock (2)
5	646 091 C2 26 316 R1 25 536 R1	PLATFORM, RH front SCREW, hex-hd cap (2) WASHER, flat			

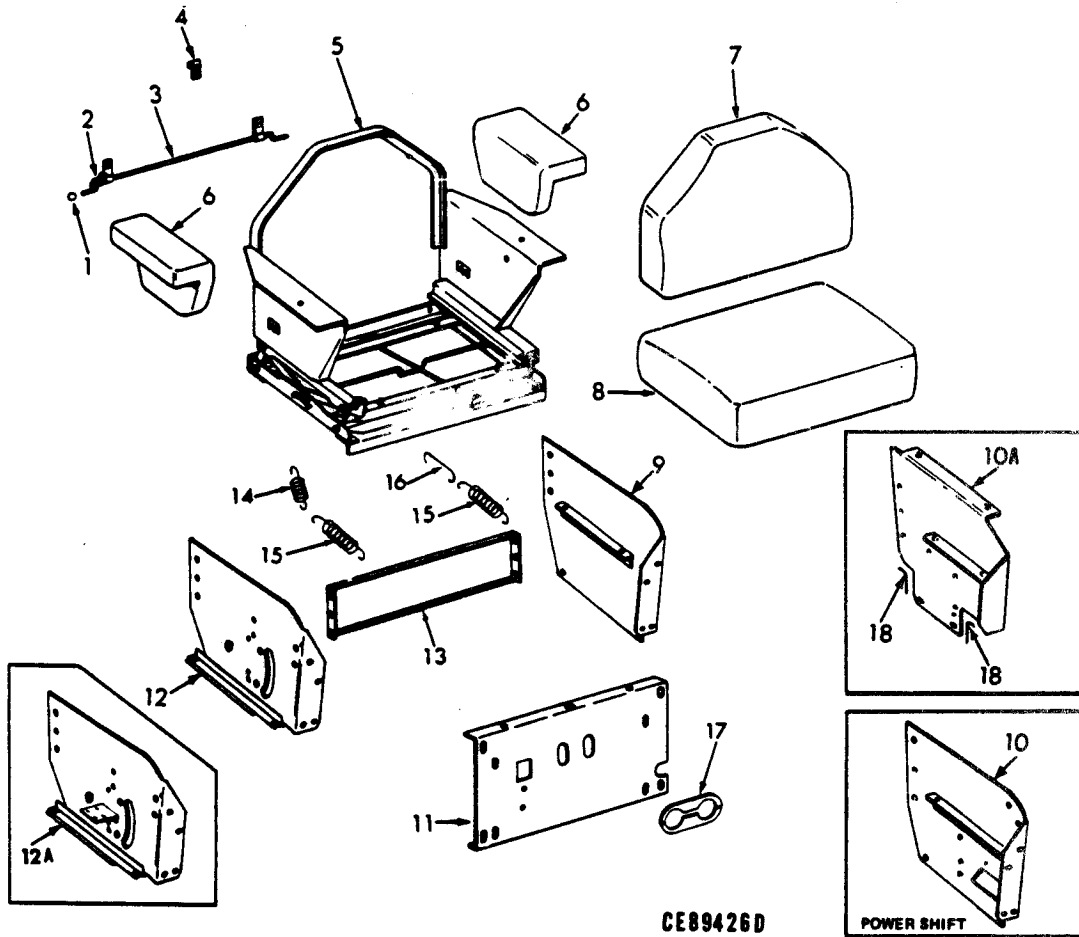
SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
FENDERS, PLATFORMS, SUPPORTS AND FOOTREST -				25 522 R1	NUT (2)
Continued				25 544 R1	WASHER, flat (6)
Power Shift 2092 and up				115 093	WASHER, lock (2)
8	663 068 C1	FENDER, LH (Order the following parts - 2 ANGLE 663 344 C1 1 FENDER 663 068 C3 4 NUT 25 526 R1 4 SCREW 24 862 R1 4 WASHER 116 121 8 WASHER 118 777)	17	732 137 C1	HANDLE, assist (Used w/three-element transmission pressure filter) (not used w/CAB) BOLT (2) NUT (2) WASHER, flat (4)
8	663 068 C3	FENDER, LH		24 841 R1	BOLT, 1-1/2" long
	25 529 R1	NUT (9)		24 842 R1	BOLT, 1-3/4" long
	24 888 R1	SCREW, hex-hd cap (9)		21 318 R1	BOLT, 2-1/2" long (2)
	369 857 R1	WASHER, hardened (18)		275 804 R1	BOLT, 3" long
9	703 551 C1	SUPPORT, LH platform w/DECCELERATOR bracket		25 522 R1	NUT (4)
	24 862 R1	SCREW, 1-1/2" long, hex-hd cap		25 544 R1	WASHER, flat (8)
	24 863 R1	SCREW, 1-3/4" long, hex-hd cap		115 093	WASHER, lock (4)
	116 121	WASHER, lock (2)	19	732 140 C1	DOOR, filter access (Used w/three-element transmission pressure filter) (Not used w/CAB) BOLT, 7/16" dia. (2) BOLT, 3/8" dia. (3) NUT (3) WASHER 7/16" flat (2) WASHER 7/16" lock (2) WASHER 3/8" flat (6) WASHER 3/8" lock (3)
10	667 960 C1	CHANNEL, RH.platform support (Replaces, 703 550 C1)		24 849 R1	BOLT, 7/16" dia. (2)
	24 862 R1	SCREW, 1-1/2" long, hex-hd cap		24 840 R1	BOLT, 3/8" dia. (3)
	24 863 R1	SCREW, 1-3/4" long, hex-hd cap		25 522 R1	NUT (3)
	116 121	WASHER, lock (2)		25 545 R1	WASHER 7/16" flat (2)
11	645 545 C1	CROSSMEMBER, w/BRACKET, front fender and platform support Power Shift 2092 to 2726		115 314	WASHER 7/16" lock (2)
	25 935 R1	SCREW, hex-hd cap (6)		25 534 R1	WASHER 3/8" flat (6)
				115 093	WASHER 3/8" lock (3)
11	645 546 C2	CROSSMEMBER, front fender and platform support Power Shift 2727 and up	20	732 127 C1	ANGLE, side (Used w/three-element transmission pressure filter) BOLT (2) NUT (2) WASHER (4)
	24 860 R1	SCREW, hex-hd cap (4)		24 863 R1	BOLT (2)
				25 526 R1	NUT (2)
				25 546 R1	WASHER (4)
12	700 018 C1	CROSSMEMBER, rear fender and platform support	21	732 129 C1	SUPPORT, rear (Used w/three-element transmission pressure filter) BOLT (3) NUT (3) WASHER, flat (6) WASHER, lock (3)
	25 329 R1	SCREW, NF, 1-1/4" long, hex-hd cap (5)		140 483 H	BOLT (3)
	25 051 R1	BOLT, NF, 2" long		25 522	NUT (3)
				25 534 R1	WASHER, flat (6)
				115 093	WASHER, lock (3)
13	663 112 C1	PLATFORM, LH front	22	732 130 C1	ANGLE, front (Used w/three-element transmission pressure filter) BOLT (2) NUT (2) WASHER (4)
	26 316 R1	SCREW, hex-hd cap (2)		24 863 R1	BOLT (2)
	25 555 R1	WASHER, flat (2)		25 526 R1	NUT (2)
				25 546 R1	WASHER (4)
	604 021 C1	TREAD, safety walk (4 used on units equipped w/CARCO Winch) (2 used on units not equipped w/CARCO Winch) (Not used w/CAB)	23	732 131 C1	SUPPORT, front (Used w/three-element transmission pressure filter) BOLT (3) NUT (3) WASHER (6) BOLT, 1-1/4" dia. BOLT, 1" dia. NUT WASHER, flat (2) WASHER, lock (2)
14	663 161 C1	BRACKET, front platform support (Used w/CROSSMEMBER, 645 546 C2) (2)		24 861 R1	BOLT (3)
	24 872 R1	SCREW, hex-hd cap (4)		25 526 R1	NUT (3)
				25 546 R1	WASHER (6)
				140 483 H	BOLT, 1-1/4" dia.
				24 840 R1	BOLT, 1" dia.
				25 522 R1	NUT
15	732 138 C1	SHIELD, heat (Used w/three-element transmission pressure filter)		25 544 R1	WASHER, flat (2)
	24 839 R1	BOLT (5)		115 093	WASHER, lock (2)
	25 544 R1	WASHER, flat (5)		663 344 C1	ANGLE, fender (2)
	115 093	WASHER, lock (5)		25 526 R1	NUT (4)
				24 862 R1	SCREW, hex-hd cap (4)
16	732 134 C1	PLATE, top (Used w/three-element transmission pressure filter)		116 121	WASHER, lock (4)
	24 840 R1	BOLT, 1" long (2)		118 777	WASHER, flat (8)
	140 483 H	BOLT, 1-1/4" long (2)			

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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SEAT, SIDE SHEETS AND SUPPORT



CE89426D

POWER SHIFT

<table border="0"> <tr> <td style="width: 5%;">1</td> <td style="width: 15%;">148 689 R1</td> <td style="width: 40%;">KNOB, plastic</td> </tr> <tr> <td>2</td> <td>603 909 C1</td> <td>SPRING, torsion (Part of ROD, 603 908 C91)</td> </tr> <tr> <td>2</td> <td></td> <td>SPRING, torsion (Not furnished separately) (Part of ROD, 637 444 C91)</td> </tr> <tr> <td>3</td> <td>603 908 C91</td> <td>ROD, w/SPRING, 603 909 R1, cushion adjuster (Order ROD, 637 444 C91)</td> </tr> <tr> <td>3</td> <td>637 444 C91</td> <td>ROD, w/SPRING, cushion adjuster</td> </tr> <tr> <td></td> <td>155 348</td> <td>SCREW, cr-rec-hd (2)</td> </tr> <tr> <td></td> <td>103 319</td> <td>WASHER, lock (2)</td> </tr> <tr> <td></td> <td>147 577</td> <td>WASHER, flat (2)</td> </tr> <tr> <td>4</td> <td>603 907 C1</td> <td>CLIP, back cushion (2)</td> </tr> <tr> <td></td> <td>160 541</td> <td>SCREW (4)</td> </tr> <tr> <td></td> <td>115 109</td> <td>WASHER, lock (4)</td> </tr> </table>	1	148 689 R1	KNOB, plastic	2	603 909 C1	SPRING, torsion (Part of ROD, 603 908 C91)	2		SPRING, torsion (Not furnished separately) (Part of ROD, 637 444 C91)	3	603 908 C91	ROD, w/SPRING, 603 909 R1, cushion adjuster (Order ROD, 637 444 C91)	3	637 444 C91	ROD, w/SPRING, cushion adjuster		155 348	SCREW, cr-rec-hd (2)		103 319	WASHER, lock (2)		147 577	WASHER, flat (2)	4	603 907 C1	CLIP, back cushion (2)		160 541	SCREW (4)		115 109	WASHER, lock (4)	<table border="0"> <tr> <td style="width: 5%;">5</td> <td style="width: 15%;">702 468 C93</td> <td style="width: 40%;">BASE and FRAME, seat (Composed of -</td> </tr> <tr> <td></td> <td></td> <td>5 1 BASE and FRAME</td> </tr> <tr> <td></td> <td></td> <td>1 EXTENSION 603 912 C</td> </tr> <tr> <td></td> <td></td> <td>1 KNOB 148 689 R</td> </tr> <tr> <td></td> <td></td> <td>1 ROD 637 444 C</td> </tr> <tr> <td></td> <td></td> <td>2 SCREW 155 348</td> </tr> <tr> <td></td> <td></td> <td>2 SPRING 383 296 R</td> </tr> <tr> <td></td> <td></td> <td>1 SPRING 603 913 C1</td> </tr> <tr> <td></td> <td></td> <td>2 WASHER 103 319</td> </tr> <tr> <td></td> <td></td> <td>2 WASHER 147 577</td> </tr> <tr> <td></td> <td>24 849 R1</td> <td>SCREW, hex-hd cap (4)</td> </tr> <tr> <td></td> <td>115 314</td> <td>WASHER, lock (4)</td> </tr> <tr> <td></td> <td>103 342</td> <td>WASHER, flat (4)</td> </tr> <tr> <td>6</td> <td>702 471 C1</td> <td>CUSHION, seat side (2)</td> </tr> <tr> <td></td> <td>25 228 R1</td> <td>SCREW, hex-hd cap (4)</td> </tr> <tr> <td></td> <td>116 120</td> <td>WASHER, lock (4)</td> </tr> </table>	5	702 468 C93	BASE and FRAME, seat (Composed of -			5 1 BASE and FRAME			1 EXTENSION 603 912 C			1 KNOB 148 689 R			1 ROD 637 444 C			2 SCREW 155 348			2 SPRING 383 296 R			1 SPRING 603 913 C1			2 WASHER 103 319			2 WASHER 147 577		24 849 R1	SCREW, hex-hd cap (4)		115 314	WASHER, lock (4)		103 342	WASHER, flat (4)	6	702 471 C1	CUSHION, seat side (2)		25 228 R1	SCREW, hex-hd cap (4)		116 120	WASHER, lock (4)
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5 - Not Furnished Separately.

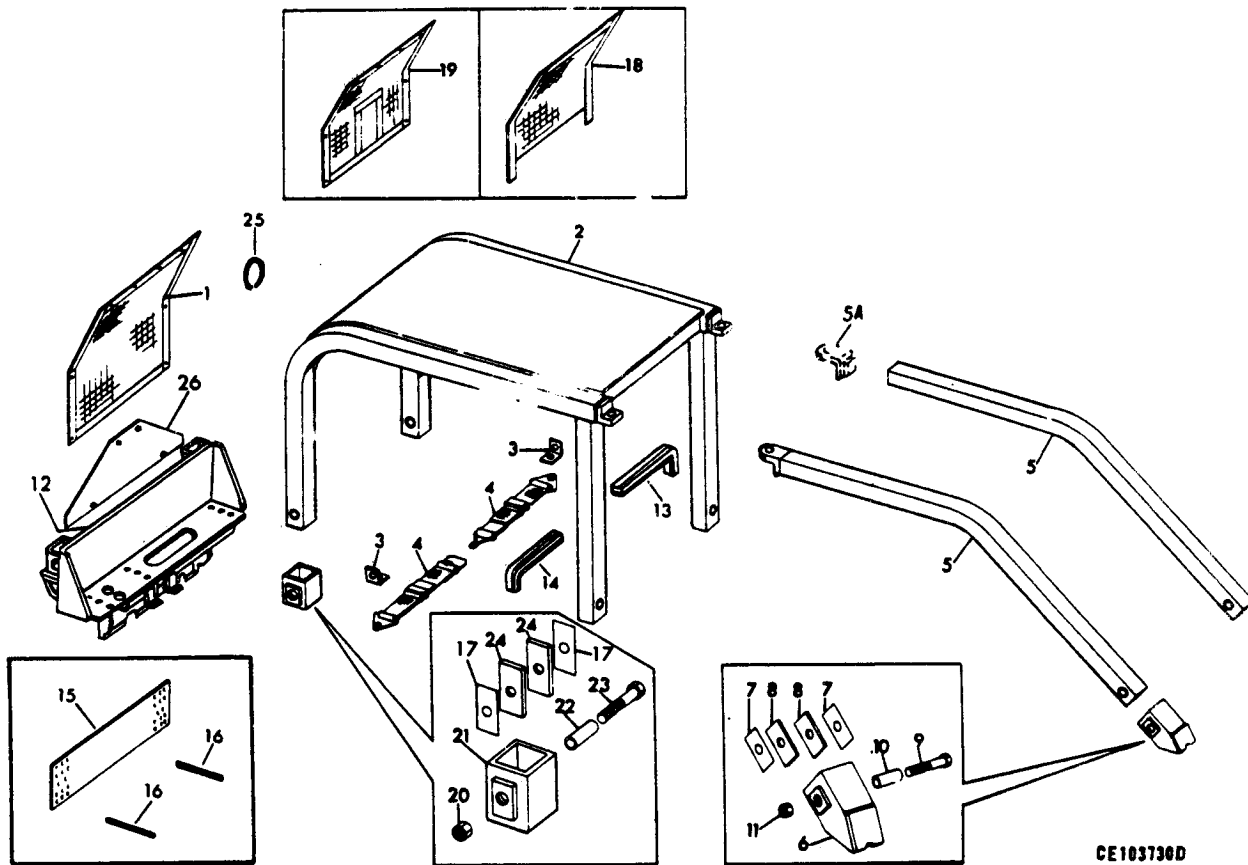
SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
SEAT, SIDE SHEETS AND SUPPORT - Continued			16	603 912 C1	EXTENSION, spring wire
7	702 470 C1	CUSHION, seat back	17	632 574 C1 172 427	PLATE, boot retainer (Used w/CAB) SCREW, hex-hd cap
8	702 469 C2	CUSHION, seat bottom	18	668 290 C1	TRIM, door side sheet (Used w/ HOUSING, 620 366 C2)
9	700 000 C2	SHEET, LH seat side (For Manual Shift Crawler Tractors)			
	25 522 R1	NUT (2)			
	140 483 H	SCREW, hex-hd cap (2)			
	115 093	WASHER, lock (2)			
	103 341	WASHER, flat (2)			
10	700 001 C2	SHEET, LH seat side (For Power Shift Crawler Tractors) 6057 and below			
	140 483 H	BOLT (2)			
	25 522 R1	NUT (2)			
	103 341	WASHER, flat (2)			
	115 093	WASHER, lock (2)			
10A	732 125 C1	SHEET, LH seat side (For Power Shift Crawler Tractors) 6058 and up			
	140 483 H	BOLT (2)			
	25 522 R1	NUT (2)			
	103 341	WASHER, flat (2)			
	115 093	WASHER, lock (2)			
11	632 573 C1	SUPPORT, seat front (Used w/CAB)			
11	604 107 C11	SUPPORT, seat front (Not used w/ CAB)			
	24 860 R1	BOLT, 1/2" dia. (8)			
	24 842 R1	BOLT, 1-3/4" long			
	24 621 R1	BOLT, 2-1/4" long			
	25 526 R1	NUT, 1/2" (8)			
	25 522 R1	NUT, 3/8" (2)			
	103 343	WASHER, 17/32" flat (16)			
	116 121	WASHER, 1/2" lock (8)			
	25 544 R1	WASHER, 3/8" flat (3)			
	115 093	WASHER, 3/8" lock (2)			
12	700 436 C2	SHEET, together w/IZG-9166, control support rework DRAWING, will work for SHEET, 700 436 C1, RH seat side (Not used w/Ripper Pitch)			
	24 860 R1	SCREW, hex-hd cap (2)			
	116 121	WASHER, lock (2)			
	103 343	WASHER, flat (2)			
	25 526 R1	NUT (2)			
12A	712 594 C1	SHEET, seat side, RH (Used w/ Ripper Pitch)			
	24 860 R1	SCREW, hex-hd cap (2)			
	116 121	WASHER, lock (2)			
	103 343	WASHER, flat (2)			
	25 526 R1	NUT (2)			
13	617 440 C1	SUPPORT, seat rear			
	25 526 R1	NUT (6)			
	24 862 R1	BOLT (6)			
	25 546 R1	WASHER, flat (6)			
14	603 913 C1	SPRING, linkage arm			
15	383 296 R1	SPRING, linkage (2)			

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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CANOPY, FRONT SWEEP, REAR SCREEN AND SAFETY SEAT BELT



A	647 385 C91	ATTACHMENT, canopy, w/seat belt (Roll-Over Protective Structure) (For machines equipped w/canopy rear-mount ATTACHMENT) (See NOTE 3)	F	647 179 C91	ATTACHMENT, canopy rear mount (Roll-Over Protective Structure) (See NOTE 4)
B	645 928 C91	ATTACHMENT, canopy front sweep (Roll-Over Protective Structure) (See NOTES 1 and 3)	G	647 388 C91	ATTACHMENT, canopy rear mount (Roll-Over Protective Structure) (See NOTE 2)
C	629 324 C92	ATTACHMENT, canopy rear screen (For tractors equipped w/Parallel Action Ripper) (Roll-Over Protective Structure) (See NOTES 1 and 3)	H	629 450 C91	ATTACHMENT, safety seat belt (See NOTE 3)
D	647 162 C92	ATTACHMENT, canopy rear screen (Regular) (Roll-Over Protective Structure) (See NOTE 3)	J	629 757 C91	ATTACHMENT, Roll-Over Protective Structure center mount modification (Used w/ATTACHMENT, 647 385 C91) Manual Shift 2092 to 2727 Power Shift 2092 to 2727
E	647 163 C92	ATTACHMENT, canopy rear screen (For tractors equipped w/Rear Cable Control Unit) (Roll-Over Protective Structure) (See NOTE 4)			

- NOTE 1 - Factory Application - Order on Machine Order Form.
- NOTE 2 - Field Application - Order on Machine Order Form.
- NOTE 3 - Field Application - Order through Regular Service Parts Channels.
- NOTE 4 - Attachment No Longer Available - Service Parts Will Be Furnished.

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CANOPY, FRONT SWEEP, REAR SCREEN AND SAFETY SEAT BELT - Continued			17	646 985 C1	SHIM (.60) (*) (A)
1	645 995 C1 19 605 R1 24 865 R1 118 777	SCREEN, rear (D) NUT, stop (8) SCREW, hex-hd cap (8) WASHER, flat (16)	18	646 766 C1 19 605 R1 24 865 R1 118 777	SCREEN, rear (C) NUT, stop (8) SCREW, hex-hd cap (8) WASHER, flat (16)
2		CANOPY, Roll-Over Protective Structure (Not serviced separately) (A)	19	647 023 C1 19 605 R1 24 865 R1 118 777	SCREEN, rear (E) NUT, stop (8) SCREW, hex-hd cap (8) WASHER, flat (16)
3	616 166 C1 26 315 R1	BRACKET, seat belt hold down (2 for A and H) BOLT (2)	20	21 125 R1	NUT (4 for A)
4	636 888 C1	BELT, seat (Replaces 702 248 C2) (A and H)	21		SOCKET, rear and center canopy (Not furnished separately) (4 for A)
	9 412 230 24 860 R1 25 555 R1	NUT, lock (2) SCREW, hex-hd cap (2) WASHER, hardened (20)	22	705 618 C1	INSULATOR, shock mount (4 for A)
5	646 054 C2	SWEEP, w/BRACKET 646 073 C2, front (2 for B)	23	646 982 C1	BOLT, socket (4 for A)
	645 938 C1 272 080 103 415 557 274 R1 646 071 C1	BOLT, front sweep (2) NUT, slotted (2) PIN, cotter (2) WASHER, flat (2) WASHER, sweep shock (2)	24	646 984 C1	SHEET, shock mount (8 for A)
5A	646 073 C2	BRACKET, front sweep (2 for B)	25	651 950 C1 427 313 R91 - or - 24 763 R1	SHIELD, rear lamp (2 for C, D and E) CLAMP, lamp shield (2) CLAMP, lamp shield (2)
6	646 056 C1	SOCKET, front sweep (2 for B)	26	706 037 C1 24 862 R1 25 546 R1	COVER, rear canopy mount (G) SCREW, hex-hd cap (4) WASHER, hardened (4)
7	646 992 C1	SHIM (.060) (*) (B)			
8	646 991 C1	SHEET, shock mount (4 for B)			
9	646 988 C1	BOLT, socket (2 for B)			
10	646 989 C1	INSULATOR, shock mount (2 for B)			
11	20 787 R1	NUT (nylon insert) (2 for B)			
12		MOUNT, rear canopy (Not furnished separately)(G)			
	25 529 R1 24 890 R1 25 973 R1 369 857 R1 238 455 R1	NUT (10) SCREW, 3/4" dia., hex-hd cap (10) SCREW, 7/8" dia., hex-hd cap (8) WASHER, hardened (20) WASHER, hardened (8)			
13		PLATE, LH center mount extension (Not furnished separately) (J)			
14		PLATE, RH center mount extension (Not furnished separately) (J)			
15	645 516 C1 24 886 R1 62 177 V	PLATE, rear tie (F) SCREW, hex-hd cap (28) WASHER, hardened (28)			
16	647 175 C1	SHIM, rear canopy mount (2 for F)			

(*) - Maximum Quantity of Four Shim To Be Used With Socket.

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CANOPY FRONT MOUNTS			647 394 C91	ATTACHMENT, canopy front mount (For Power Shift Tractors) (*) (See NOTE 3)- Continued The following parts are for use on Power Shift Tractors equipped w/ either a two or a three-spool valve below SN 2022	
647 400 C91		ATTACHMENT, canopy front mount (For Manual Shift Tractors) (*) (See NOTE 3) Manual Shift 2092 and below (Consists of -			
		1 CROSSMEMBER 645 545 C1		1 BLOCK	
		1 DRAWING CZG-1308		1 DRAWING 1ZG-8429	
		1 DRAWING CZG-1307		1 HOSE 646 745	
		1 MOUNT		1 NIPPLE 105 404	
		1 MOUNT		2 NUT 9 412 230	
		4 SCREW 24 874 R1)		2 PLATE 618 772	
		The following parts are to relocate the clutch pressure filter for Manual Shift Tractor below SN 1916		1 PLUG 342 775	
		1 BRACKET 666 043 C1		2 SCREW 24 867	
		1 DRAWING CZG-1288		2 SCREW 25 507	
		1 ELBOW 9 402 831		4 SUPPORT 618 771	
		1 ELBOW 9 110 981		1 TUBE 646 747	
		1 HOSE 666 051 C1		1 TUBE 646 746	
		1 HOSE 666 052 C1		2 WASHER 116 121	
		3 SCREW 24 850 R1			
		3 WASHER 115 314			
		3 WASHER 103 342			
		The following parts are for use on Manual Shift Tractors equipped w/ei- ther a two or a three-spool valve be- low SN 2044			
		1 BLOCK			
		1 DRAWING 1ZG-8429			
		1 HOSE 646 745 C1			
		1 NIPPLE 105 404			
		2 NUT 9 412 230			
		2 PLATE 618 772 C1			
		1 PLUG 342 775 R91			
		2 SCREW 24 867 R1			
		2 SCREW 25 507 R1			
		4 SUPPORT 618 771 C1			
		1 TUBE 646 746 C1			
		1 TUBE 646 747 C1			
		2 WASHER 116 121)			
647 394 C91		ATTACHMENT, canopy front mount (For Power Shift Tractors) (*) (See NOTE 3) Power Shift 2092 and below			
		1 CROSSMEMBER 645 545 C1			
		1 DRAWING CZG-1308			
		1 DRAWING CZG-1307			
		1 MOUNT, LH			
		1 MOUNT, RH			
		4 SCREW 24 874 R1			
		The following parts are to relocate transmission filters for Power Shift Tractors below SN 1884			
		1 CONNECTOR 9 410 208			
		1 DRAWING CZG-1288			
		2 ELBOW 9 402 831			
		1 HOSE 659 217 C1			
		1 HOSE 702 989 C1			

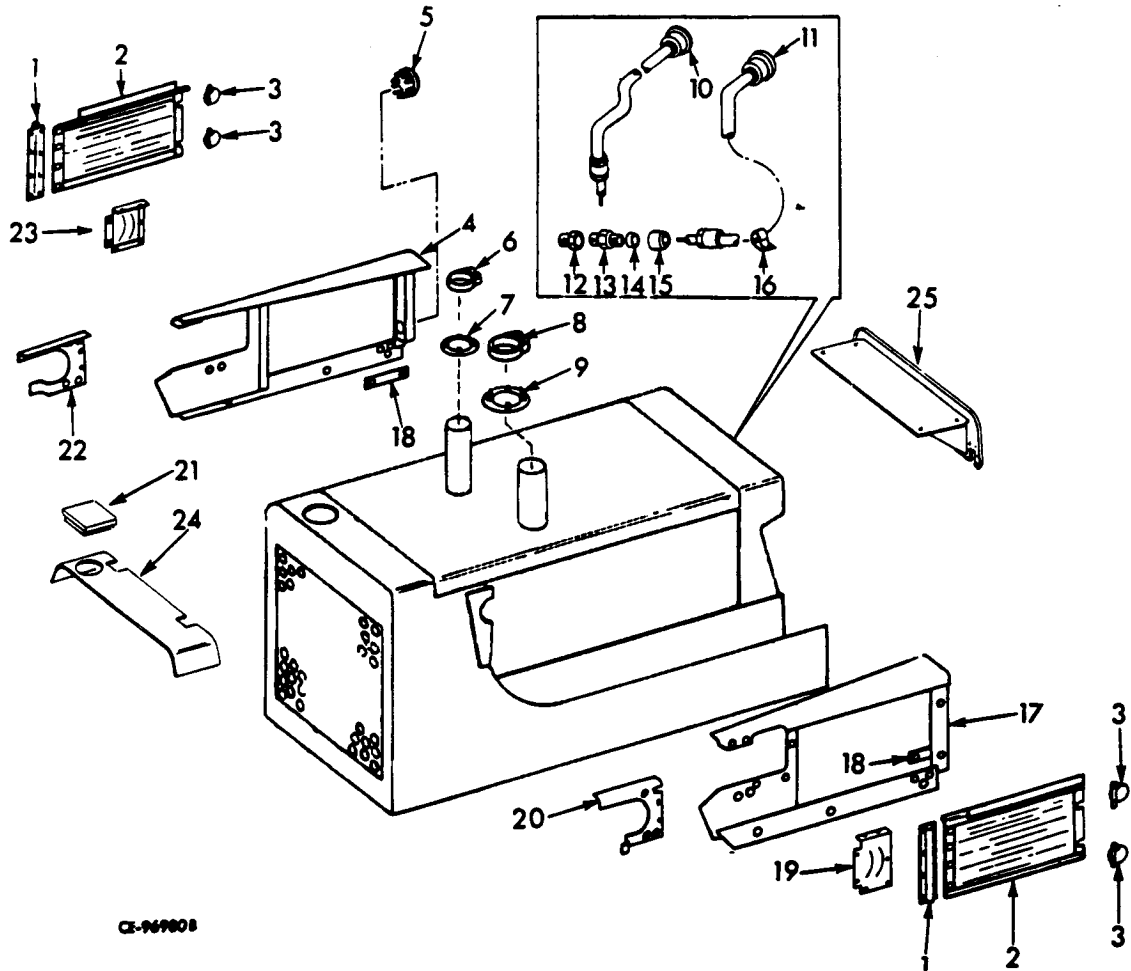
§ - Not Furnished Separately.
(*) - The Parts of This Attachment Are Listed and Illustrated Throughout This Catalog.

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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ENGINE ENCLOSURE
 (For Crawler Tractors Equipped with Hydraulic Radiator Guard Attachment)
 Manual Shift 1223 to 6379
 Power Shift 1223 to 6379



CG-769801

	629 869 C92	ATTACHMENT, engine enclosure (See NOTE 3) (Consists of -		4	624 601 C1	FRAME, RH forest shield (Order FRAME, 624 601 C2 and CLOSURE, 668 345 C1)
1	624 139 C1 24 839 R1 115 093	HINGE, forest shield door (2) SCREW, hex-hd cap (8) WASHER, lock (8)		4	624 601 C2 25 522 R1 25 526 R1 24 839 R1	FRAME, RH forest shield NUT, 3/8" (2) NUT, 1/2" (3) SCREW, 3/8" dia. hex-hd cap (phc) (2)
2	624 132 C1 25 522 R1 24 839 R1 115 093	DOOR, forest shield (2) NUT (8) SCREW, hex-hd cap (8) WASHER, lock (8)			24 861 R1 115 093 116 121 103 341 25 555 R1	SCREW, 1/2" dia. hex-hd cap (3) WASHER, 3/8" lock (2) WASHER, 1/2" lock (3) WASHER, 13/32" flat (4) WASHER, 17/32" flat (3)
3	373 025 R91	PIN, forest shield door lock (4)				

NOTE 3: Field Application - Order through Regular Parts Channels.

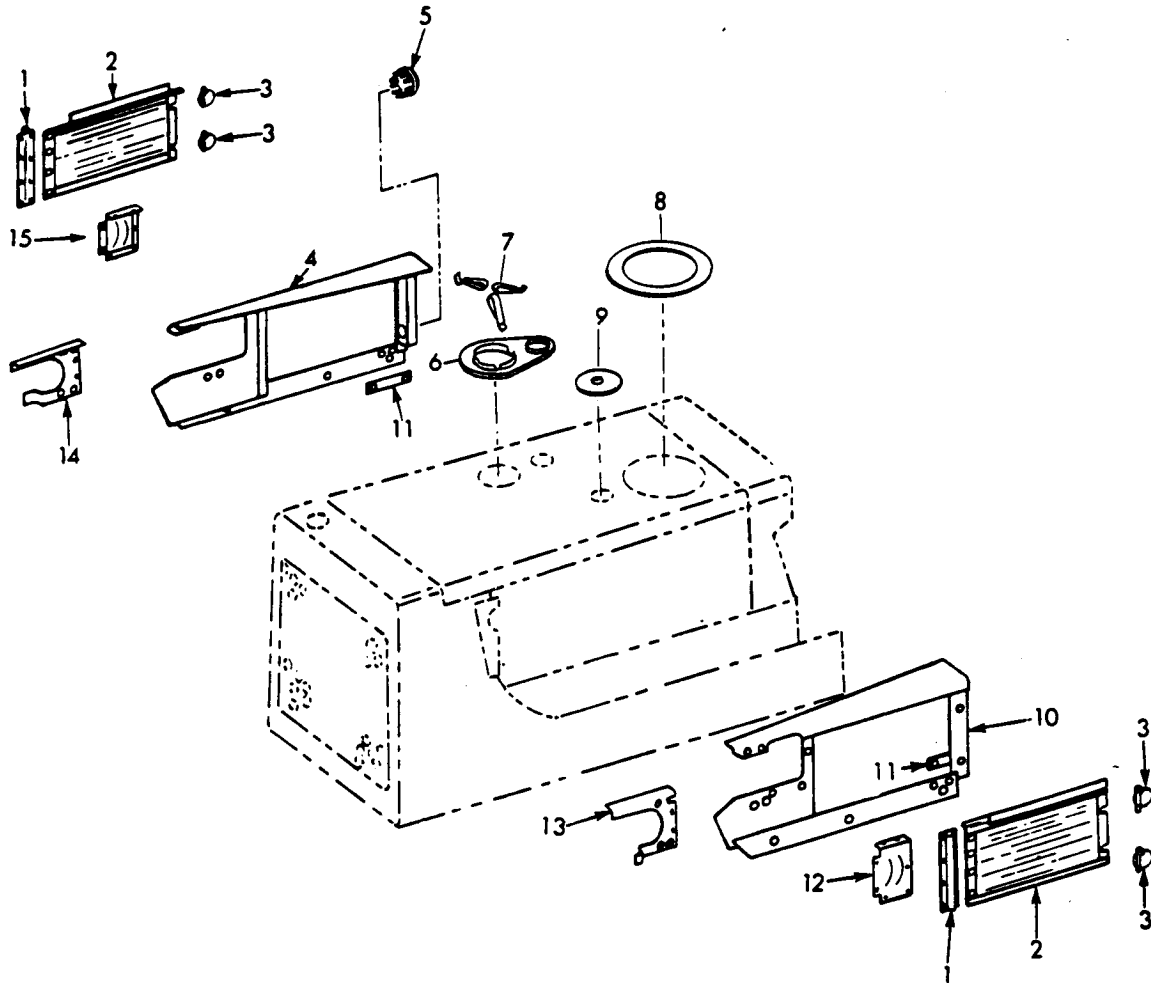
SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ENGINE ENCLOSURE — Continued					
(For Crawler Tractors Equipped with Hydraulic Radiator Guard Attachment)					
Manual Shift 1223 to 6379			21		SHIELD, radiator cap (Refer to "Hood, Dash and Engine Side Sheets")
Power Shift 1223 to 6379					
5	127 741	PLUG, button (Used on RH forest shield when tractor is not equipped w/Carco Winch)	22	624 120 C1 25 526 R1 24 860 R1 116 121	PLATE, RH forest shield clamping NUT (4) SCREW, hex-hd cap (4) WASHER, lock (4)
6	437 923 R91	CLAMP, air cleaner hole cover	23	624 603 C1	CLOSURE, RH hydraulic tube opening
7	624 153 C1	COVER, air cleaner hole			5522 and 5513 to 5515 and 5511 and below
8	23 804 R1	CLAMP, exhaust pipe hole cover (Used w/COVER, 624 430 C1)	23	668 345 C1	CLOSURE, RH hydraulic tube opening
9	624 430 C1	COVER, exhaust pipe hole 1.51" inside diameter)			5512 and 5516 to 5521 and 5523 and up to 6379
10	619 713 C91	GAUGE, water temperature 5270 and below		25 522 R1 24 840 R1 115 093	NUT (4) SCREW, hex-hd cap (4) WASHER, lock (4)
11	619 712 C1	GAUGE, water pressure 5270 and below	24		SUPPORT w/SHIELD, hood front (Refer to "Hood, Dash and Engine Side Sheets")
12	444 337	REDUCER, water pressure gauge tube (Water manifold)	25		PANEL, instrument (Refer to "Instrument Panel and Related Parts")
13	322 292 C1	CONNECTOR, water pressure gauge tube 5270 and below	1 085 536 R2		PAMPHLET, engine enclosure
14	144 526 H1	SLEEVE, water pressure gauge tube 5270 and below			
15	681 180 R1	NUT, water pressure gauge tube 5270 and below			
16	702 093 C1	CLAMP, water pressure gauge tube (At water manifold) 5270 and below			
17	624 600 C1 25 522 R1 25 526 R1 24 839 R1 24 861 R1 115 093 116 121 103 341 25 555 R1	FRAME, LH forest shield NUT, 3/8" (2) NUT, 1/2" (3) SCREW, 3/8" dia. hex-hd cap (2) SCREW, 1/2" dia. hex-hd cap (3) WASHER, 3/8" lock (2) WASHER, 1/2" lock (3) WASHER, 13/32" flat (4) WASHER, 17/32" flat (3)			
18	624 140 C1 24 840 R1 115 093 103 341	SUPPORT, forest shield door (2) SCREW, hex-hd cap (4) WASHER, lock (4) WASHER, flat (4)			
19	624 602 C1 25 522 R1 24 840 R1 115 093	CLOSURE, LH hydraulic tube opening NUT (2) SCREW, hex-hd cap (5) WASHER, lock (7)			
20	624 119 C1 25 526 R1 24 860 R1 116 121	PLATE, LH forest shield clamping NUT (4) SCREW, hex-hd cap (4) WASHER, lock (4)			

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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ENGINE ENCLOSURE
 (For Crawler Tractors Equipped with Hydraulic Radiator
 Guard Attachment)
 Manual Shift 6380 and up
 Power Shift 6380 and up



CE-114160

<table border="0"> <tr> <td style="width: 5%;">8</td> <td style="width: 15%;">713 498 C1</td> <td>COVER, air cleaner hole</td> </tr> <tr> <td>9</td> <td>713 497 C1</td> <td>COVER, air cleaner aspirator seal</td> </tr> <tr> <td></td> <td>636 632 C91</td> <td>ATTACHMENT, engine enclosure (See NOTE 3) (Consists of -</td> </tr> <tr> <td>1</td> <td>624 139 C1 24 839 R1 115 093</td> <td>HINGE, forest shield door (2) SCREW, hex-hd cap (8) WASHER, lock (8)</td> </tr> <tr> <td>2</td> <td>624 132 C1 25 522 R1 24 839 R1 115 093</td> <td>DOOR, forest shield (2) NUT (8) SCREW, hex-hd cap (8) WASHER, lock (8)</td> </tr> <tr> <td>3</td> <td>373 025 R91</td> <td>PIN, forest shield door lock (4)</td> </tr> </table>	8	713 498 C1	COVER, air cleaner hole	9	713 497 C1	COVER, air cleaner aspirator seal		636 632 C91	ATTACHMENT, engine enclosure (See NOTE 3) (Consists of -	1	624 139 C1 24 839 R1 115 093	HINGE, forest shield door (2) SCREW, hex-hd cap (8) WASHER, lock (8)	2	624 132 C1 25 522 R1 24 839 R1 115 093	DOOR, forest shield (2) NUT (8) SCREW, hex-hd cap (8) WASHER, lock (8)	3	373 025 R91	PIN, forest shield door lock (4)	<table border="0"> <tr> <td style="width: 5%;">4</td> <td style="width: 15%;">624 601 C2 25 522 R1 25 526 R1 24 839 R1</td> <td>FRAME, RH forest shield NUT, 3/8" (2) NUT, 1/2" (3) SCREW, 3/8" dia. hex-hd cap (phc) (2)</td> </tr> <tr> <td></td> <td>24 861 R1 115 093 116 121 103 341 25 555 R1</td> <td>SCREW, 1/2" dia. hex-hd cap (3) WASHER, 3/8" lock (2) WASHER, 1/2" lock (3) WASHER, 13/32" flat (4) WASHER, 17/32" flat (3)</td> </tr> <tr> <td>5</td> <td>127 741</td> <td>PLUG, button (Used on RH forest shield when tractor is not equipped w/Carco Winch)</td> </tr> </table>	4	624 601 C2 25 522 R1 25 526 R1 24 839 R1	FRAME, RH forest shield NUT, 3/8" (2) NUT, 1/2" (3) SCREW, 3/8" dia. hex-hd cap (phc) (2)		24 861 R1 115 093 116 121 103 341 25 555 R1	SCREW, 1/2" dia. hex-hd cap (3) WASHER, 3/8" lock (2) WASHER, 1/2" lock (3) WASHER, 13/32" flat (4) WASHER, 17/32" flat (3)	5	127 741	PLUG, button (Used on RH forest shield when tractor is not equipped w/Carco Winch)
8	713 498 C1	COVER, air cleaner hole																										
9	713 497 C1	COVER, air cleaner aspirator seal																										
	636 632 C91	ATTACHMENT, engine enclosure (See NOTE 3) (Consists of -																										
1	624 139 C1 24 839 R1 115 093	HINGE, forest shield door (2) SCREW, hex-hd cap (8) WASHER, lock (8)																										
2	624 132 C1 25 522 R1 24 839 R1 115 093	DOOR, forest shield (2) NUT (8) SCREW, hex-hd cap (8) WASHER, lock (8)																										
3	373 025 R91	PIN, forest shield door lock (4)																										
4	624 601 C2 25 522 R1 25 526 R1 24 839 R1	FRAME, RH forest shield NUT, 3/8" (2) NUT, 1/2" (3) SCREW, 3/8" dia. hex-hd cap (phc) (2)																										
	24 861 R1 115 093 116 121 103 341 25 555 R1	SCREW, 1/2" dia. hex-hd cap (3) WASHER, 3/8" lock (2) WASHER, 1/2" lock (3) WASHER, 13/32" flat (4) WASHER, 17/32" flat (3)																										
5	127 741	PLUG, button (Used on RH forest shield when tractor is not equipped w/Carco Winch)																										

NOTE 3 - Field Application - Order through
Regular Parts Channels.

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ENGINE ENCLOSURE					
(For Crawler Tractors Equipped with Hydraulic Radiator Guard Attachment)					
Manual Shift 6380 and up					
Power Shift 6380 and up					
6	713 499 C1	COVER, exhaust pipe closure			
7	657 122 C1	SPRING, retainer			
13	624 119 C1	PLATE, LH forest shield clamping			
	25 526 R1	NUT (4)			
	24 860 R1	SCREW, hex-hd cap (4)			
	116 121	WASHER, lock (4)			
14	624 120 C1	PLATE, RH forest shield clamping			
	25 526 R1	NUT (4)			
	24 860 R1	SCREW, hex-hd cap (4)			
	116 121	WASHER, lock (4)			
15	668 345 C1	CLOSURE, RH hydraulic tube opening			
10	624 600 C1	FRAME, LH forest shield			
	25 522 R1	NUT, 3/8" (2)			
	25 526 R1	NUT, 1/2" (3)			
	24 839 R1	SCREW, 3/8" dia. hex-hd cap (2)			
	24 861 R1	SCREW, 1/2" dia. hex-hd cap (3)			
	115 093	WASHER, 3/8" lock (2)			
	116 121	WASHER, 1/2" lock (3)			
	103 341	WASHER, 13/32" flat (4)			
	25 555 R1	WASHER, 17/32" flat (3)			
11	624 140 C1	SUPPORT, forest shield door (2)			
	24 840 R1	SCREW, hex-hd cap (4)			
	115 093	WASHER, lock (4)			
	103 341	WASHER, flat (4)			
12	624 602 C1	CLOSURE, LH hydraulic tube opening			
	25 522 R1	NUT (2)			
	24 840 R1	SCREW, hex-hd cap (5)			
	115 093	WASHER, lock (7)			
	25 522 R1	NUT (2)			
	24 840 R1	SCREW, hex-hd cap (5)			
	115 093	WASHER, lock (7)			
1	085 536 R2	PAMPHLET, engine enclosure			

NOTE 3 -Field Application - Order through Regular Parts Channels.

SUPERSTRUCTURE

MEMORANDA

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CAB AND RELATED ATTACHMENTS					
668 290 C1		TRIM, engine (2)	740 276 C91		HEATER, cab (Part of ATTACHMENT, 740 275 C91) (
668 889 C93		ATTACHMENT, standard cab (Consists of CAB, 710 206 C92) (Machine must be equipped w/ R.O.P.S. canopy) (See NOTE 3)	740 426 C91		CAB ASSY, (Part of ATTACHMEN 740 425 C91) (*)
740 425 C91		ATTACHMENT, standard cab (Consists of CAB, 740 426 C91) (Machine must be equipped w/ R.O.P.S. canopy) (See NOTE 3) Power Shift 6057 and below	710 206 C92		CAB ASSY., (Part of ATTACHMEN 668 889 C93) (*)
668 892 C92		ATTACHMENT, cab heater w/defroster fan (Consists of HEATER, 668 893 C92) (Machine must be equipped w/CAB heater piping and heavy duty alternator) (Order ATTACHMENT, 740 275 C91)			
740 275 C91		ATTACHMENT, cab heater w/defroster fan (Consists of HEATER, 740 276 C91) (Machine must be equipped w/CAB heater piping and heavy duty alternator (See NOTE 3)			
668 896 C91		ATTACHMENT, windshield wiper (Consists of WIPER w/SWITCH, 668 897 C91) (Machine must be equipped w/heavy duty alternator) (See NOTE 3)			
668 899 C1		GLASS, tinted (See NOTE 3) (*)			
668 900 C1		ATTACHMENT, cab defroster fan (Consists of FAN w/SWITCH and BASE, 668 901 C91) (Machine must be equipped w/heavy duty alternator) (See NOTE 3) (*)			
710 497 C91		PACKAGE, air conditioner heater and support (Machine must be equipped w/CAB) (Not used w/ CAB HEATER ATTACHMENT, 668 892 C92 or 740 275 C91) (See NOTE 2) (Consists of - 1 ATTACHMENT, air conditioner and heater w/ plumbing) 710 498 C91 1 ATTACHMENT, freon compressor (%) 668 833 C91 1 ATTACHMENT, heater piping (%) 632 479 C91 1 ATTACHMENT, exhaust pipe extension (%) 668 830 C91)			

(*) - For service parts, contact:
Campbell Cab Corp.
120 West Kent Avenue
Wauconda, Illinois, 60084

NOTE 2: Field Application - Order on Machine Order Form.

NOTE 3: Field Application - Order through regular parts channels.

(%) - ATTACHMENTS listed and illustrated throughout catalog.

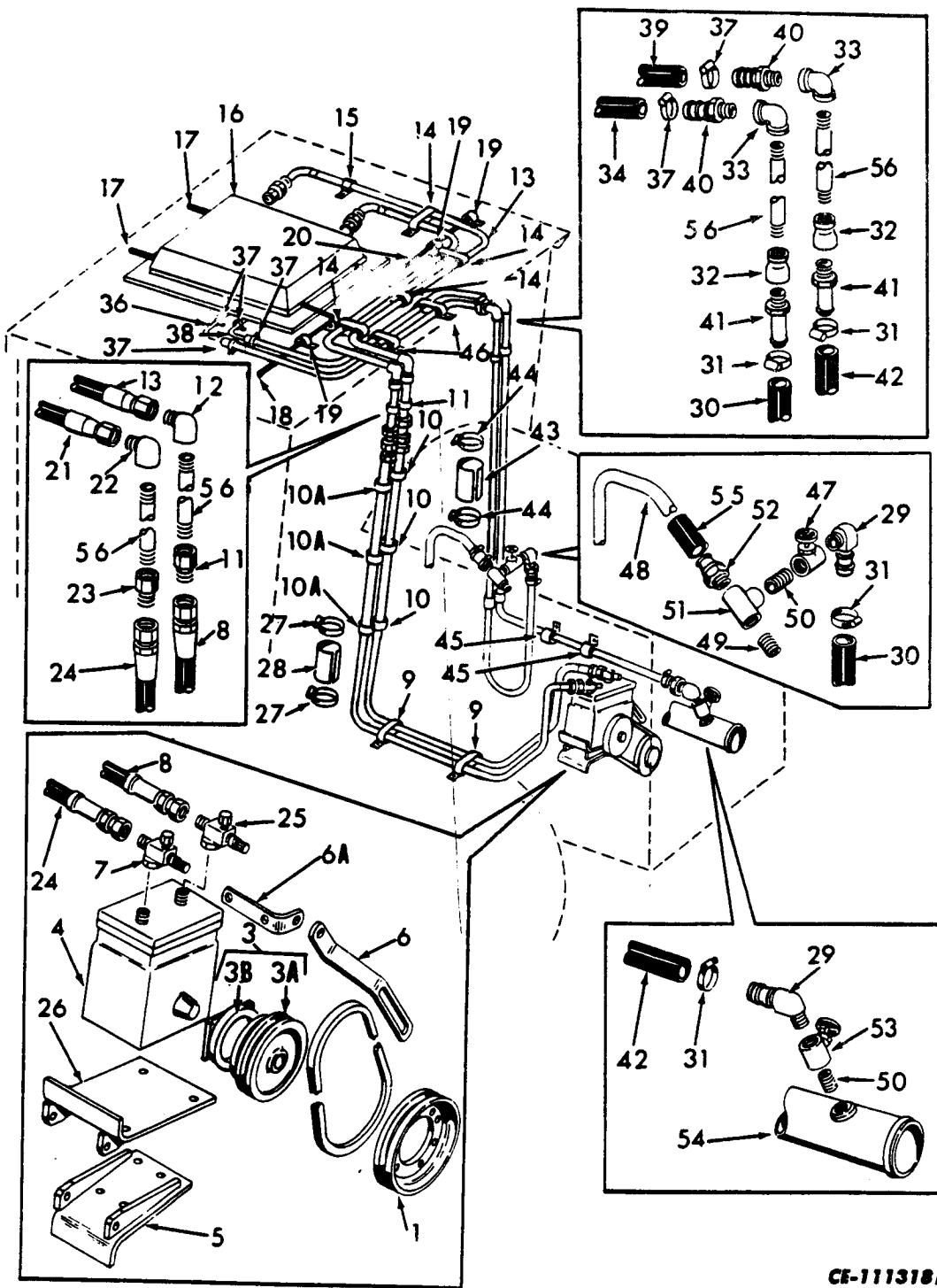
SUPERSTRUCTURE

MEMORANDA

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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AIR CONDITIONER, HEATER, PIPING AND FREON COMPRESSOR
* and Below



CE-111318A

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION	
AIR CONDITIONER, HEATER, PIPING AND FREON COMPRESSOR - Continued						
* and Below						
1	681 539 C1 24 861 R1 116 121	PULLEY, freon compressor drive SCREW, hex-hd cap (6) WASHER, lock (6)	14	612 354 C1 647 616 C1 140 483 H 115 093 446 548	CLAMP, cab junction to air conditioner (On cab roof) (4) NUT, well (4) SCREW, hex-hd cap (4) WASHER, lock (4) WASHER, flat (4)	
2	612 134 C1	BELT, compressor drive	15	308 581 R1 647 616 C1 140 483 H 115 093 446 548	CLAMP, air conditioner pressure hose (On cab roof) NUT, well SCREW, hex-hd cap WASHER, lock (4) WASHER, plain	
3	680 664 C91	PULLEY, w/electric clutch, freon compressor (Consists of - 1 PULLEY 1 COIL 1 MOUNTING KIT	668 188 C1 668 187 C1 634 802 C91)	16	668 589 C91 24 862 R1 116 121 25 546 R1 25 526 R1	CONDITIONER, air and HEATER ASSY. (Consists of all parts listed under "Air Conditioner") SCREW, hex-hd cap (12) WASHER, lock (12) WASHER, hardened (12) NUT (12)
3A	668 188 C1	PULLEY, clutch				
3B	668 187 C1 634 802 C91	COIL, pulley clutch KIT, mounting hardware				
4	417 888 C92 24 840 R1 115 093	COMPRESSOR, freon SCREW, hex-hd cap (4) WASHER, lock (4)	17	647 895 C1	HOSE, air conditioner condenser tray rear drain (2)	
5	681 536 C1 70 427 R1 115 314	BRACKET, lower freon compressor SCREW, hex-hd cap (4) WASHER, lock (4)	18	647 897 C1	HOSE, air conditioner condenser tray RH front drain	
6	681 549 C1 25 522 R1 24 541 R1 21 318 R1 359 105 R1 115 093 615 031 R1	BRACE, freon compressor NUT (phc) (Type 8) SCREW, 1-1/2" long hex-hd cap SCREW, 2-1/2" long hex-hd cap SPACER WASHER, lock (4) WASHER, flat	19	311 500 R1 140 483 H1 115 093 647 616 C1 446 548	CLAMP, condenser tray drain hose (3) SCREW, hex-hd cap (3) WASHER, lock (3) NUT, well (3) WASHER, plain (3)	
6A	681 535 C1 24 840 R1	SUPPORT, compressor brace SCREW, 1" long hex-hd cap (2)	20	647 896 C1	HOSE, air conditioner condenser tray LH front drain	
7	175 086 C1	VALVE, compressor suction	21	647 753 C1	HOSE, air conditioner suction to junction	
8	647 758 C1	HOSE, compressor to junction in cab	22	144 283	ELBOW, air conditioner suction hose to junction	
9	612 354 C1 24 861 R1 116 121	CLAMP, compressor to cab hose (On front frame) (2) SCREW, hex-hd cap (2) WASHER, lock (2)	23	144 461	CONNECTOR, junction to compressor suction hose	
10	308 581 R1	CLAMP, compressor to junction hose (On cab) (3)	24	647 756 C1	HOSE, junction to compressor suction	
10A	301 819 R1 171 121	CLAMP, compressor to junction hose (On cab) (3) SCREW, hex-hd cap (3)	25	399 419 R1	VALVE, compressor discharge	
11	647 760 C1	CONNECTOR, air conditioner pressure to junction	26	683 151 C1 25 522 R1 140 483 H 115 093	BRACKET, upper freon compressor NUT (2) SCREW, hex-hd cap (2) WASHER, lock (2)	
12	647 759 C1	ELBOW, junction to air conditioner pressure hose	27	279 024 R91	CLAMP, conditioner hose protector (2)	
13	647 757 C1	HOSE, junction to air conditioner pressure	28	668 539 C1	HOSE, conditioner protector	

(*) - Serial Number Not Available.

(x) - As Required.

NOTE: Furnished in 50 foot rolls only. Part number covers one foot of hose)

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
AIR CONDITIONER, HEATER, PIPING AND FREON COMPRESSOR - Continued * and Below			52	321 792 R1	CONNECTOR, tee to intercooler
			53	647 611 C1	VALVE, heater outlet
29	321 793 R1	ELBOW, heater hose to radiator pipe (2)	54	689 033 C1	PIPE, radiator to water pump (Replaces, 683 372 C1)
30	706 843 C1	HOSE (1.0" ID x 100.0" long), manifold to junction (x) (See NOTE)	55		HOSE (Refer to Engine Catalog, EPC-817C)
31	681 896 C1	CLAMP, manifold to junction hose (4)	56		NIPPLE, pipe (1/2 x 8-1/2") (1/2" NPT ends) (Obtain locally) (Not part of ATTACHMENT, welded to Cab) (4)
31	311 164 C91	CLAMP, manifold to junction hose (4)		668 086 C1	CABLE, cab feeder
32	144 101	COUPLING, pipe (2)		668 087 C1	HARNESS, air conditioner feeder
33	127 963	ELBOW, junction (2)		171 121	SCREW, hex-hd cap (6)
34	634 225 C1	HOSE (5/8" ID x 60" long), to heater inlet pipe (x) (See NOTE)		668 827 C91	ATTACHMENT, air conditioner, heater and freon compressor (Machine must be equipped w/ CAB and heavy duty alternator) (See NOTE 4) (Consists of - 1 AIR CONDITIONER & HEATER ASSY. 668 589 C91 1 CABLE 668 086 C1 2 CLAMP 122 322 R91 2 CLAMP 279 024 R1 4 CLAMP 308 581 R1 3 CLAMP 308 819 R1 2 CLAMP 308 872 R1 4 CLAMP 311 500 R1 2 CLAMP 317 262 R1 6 CLAMP 612 354 C1 6 CLAMP 27 723 R1 4 CLAMP 681 896 C1 1 CONNECTOR 144 461 1 CONNECTOR 647 760 C1 2 COUPLING 144 101 2 ELBOW 127 963 1 ELBOW 144 283 2 ELBOW 321 793 R1 1 ELBOW 647 759 C1 1 HARNESS 668 087 C1 x HOSE 407 015 R1 x HOSE 634 225 C1 1 HOSE 647 753 C1 1 HOSE 647 756 C1 1 HOSE 647 758 C1 2 HOSE 647 895 C1 1 HOSE 647 896 C1 1 HOSE 647 897 C1 1 HOSE 668 539 C1 x HOSE 706 843 C1 2 NIPPLE 864 440 R1 2 NIPPLE 864 445 R1
36	668 584 C1	TUBE, heater inlet			
37	27 723 R1	CLAMP, heater inlet and outlet hose (6)			
37	333 710 R91	CLAMP, heater inlet and outlet hose (6)			
38	668 585 C1	TUBE, heater outlet			
39	634 225 C1	HOSE, 3/4" ID x 60" long) heater outlet pipe to junction (x) (See NOTE)			
40	864 440 R1	NIPPLE, heater hose junction (2)			
41	864 445 R1	NIPPLE, heater hose junction (2)			
42	706 843 C1	HOSE (1" ID x 144" long), junction to radiator pipe (x) (See NOTE)			
43	407 015 R1	HOSE (3" ID x 6" long), heater hose protector			
44	122 322 R1	CLAMP, protector hose (2)			
45	308 872 R1	CLAMP, junction to radiator hose (2)			
	24 859 R1	SCREW, hex-hd cap (2)			
	116 121	WASHER, lock (2)			
46	317 262 R1	CLAMP, heater hose (2)			
	140 483 H	SCREW, hex-hd cap (2)			
	115 093	WASHER, lock (2)			
	446 548	WASHER, plain (2)			
	647 616 C1	NUT, well (2)			
47	647 611 C1	VALVE, heater supply			
48	683 371 C1	TUBE, intercooler outlet			
49	190 752	NIPPLE, heater manifold to tee			
50		NIPPLE (1" ID x 2" long), heater supply and return lines (Obtain locally) (2)			
51	115 237	TEE, pipe heater water supply			

x - As Required.

* - Serial Number Not Available.

NOTE: Furnished in 50 foot rolls only. Part number covers one foot of hose)

NOTE 4: ATTACHMENT no longer available. Service parts will be furnished as ordered.

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
AIR CONDITIONER, HEATER, PIPING AND FREON COMPRESSOR - Continued					
* and Below					
	12	NUT		25 526 R1	
	10	NUT		647 616 C1	
	9	SCREW		117 121	
	10	SCREW		140 483 H	
	2	SCREW		24 859 R1	
	2	SCREW		24 861 R1	
	12	SCREW		24 862 R1	
	1	TUBE		668 584 C1	
	1	TUBE		668 585 C1	
	1	VALVE		175 086 C1	
	1	VALVE		399 419 R1	
	10	WASHER		115 093	
	16	WASHER		116 121	
	12	WASHER		25 546 R1	
	10	WASHER		446 548)	
632 479 C91	ATTACHMENT, cab heater piping (Machine must be equipped w/CAB) (See NOTE 3) (Consists of -				
	1	CONNECTOR		321 792 R1	
§	2	NIPPLE			
	1	NIPPLE		190 752	
	1	PIPE		689 033 C1	
	1	TEE		115 237	
	1	TUBE		683 372 C1	
	2	VALVE		647 611 C1)	

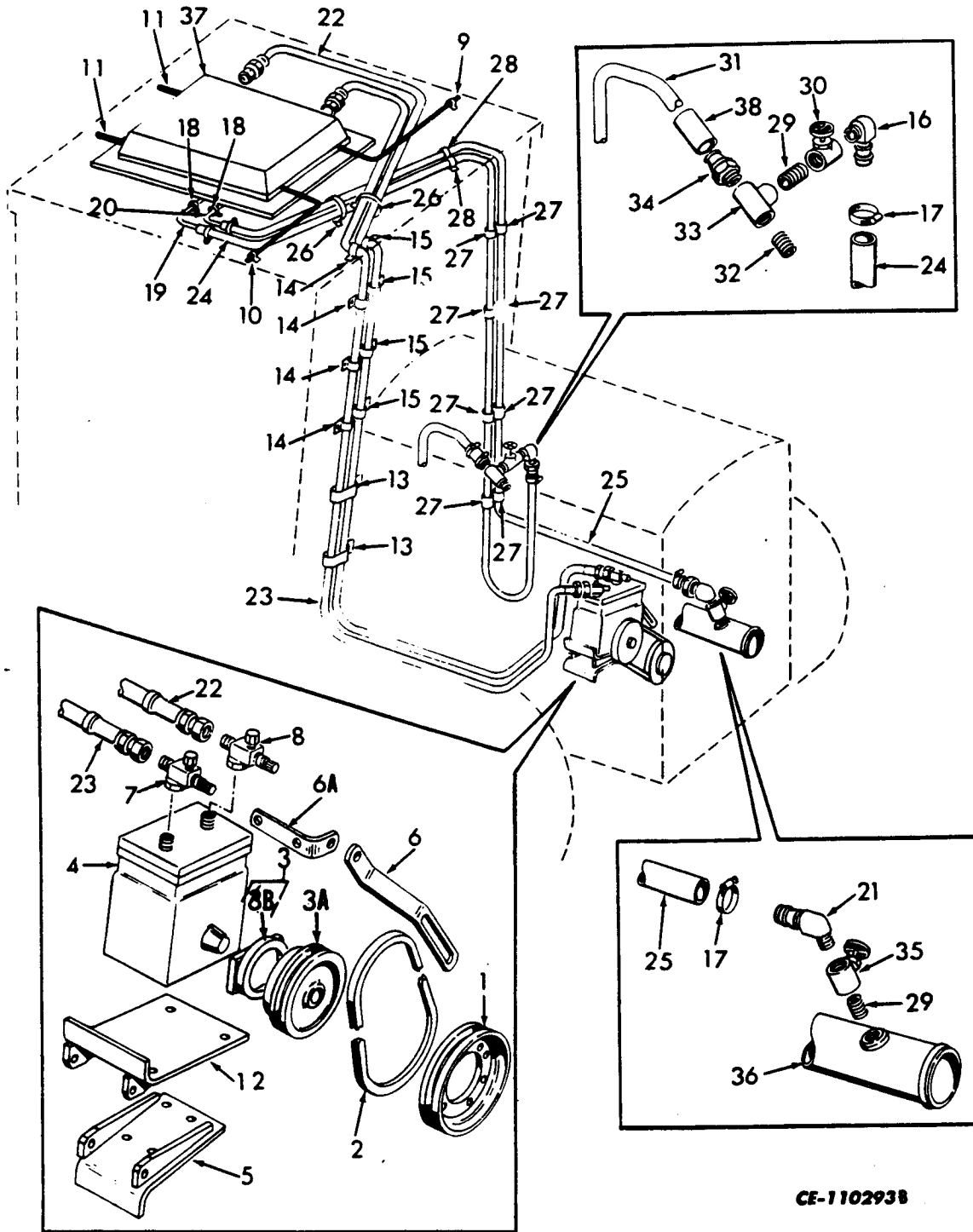
* - Serial Number Not Available.

§ - Not Furnished Separately.

NOTE 3: Field Application - Order through regular parts channels.

SUPERSTRUCTURE

AIR CONDITIONER HEATER PIPING AND FREON COMPRESSOR (* and Up)



CE-1102938

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
AIR CONDITIONER, HEATER PIPING AND FREON COMPRESSOR - Continued * and Up			14	308 581 R1	CLAMP, air conditioner pressure hose to cab (4)
				668 541 C1	NUT, weld (4)
				140 483 H	SCREW, hex-hd cap (4)
				115 093	WASHER, lock (4)
1	681 539 C1 24 861 R1 116 121	PULLEY, freon compressor drive (+) SCREW, hex-hd cap (6) WASHER, lock (6)	15	301 819 R1 25 553 R1 25 228 R1	CLAMP, compressor hose to cab WASHER, flat (4) SCREW, hex-hd cap (4)
2	612 134 C1	BELT, compressor drive (+)	16	711 827 C1	ELBOW, engine manifold to hose
3	680 664 C91	PULLEY, w/electric clutch freon compressor (Consists of -	17	681 896 C1	CLAMP, heater hose inlet and outlet elbow on engine (2)
		1 PULLEY 668 188 C1		or	
		1 COIL 668 187 C1	17	311 164 C91	CLAMP, heater hose inlet and outlet elbow on engine (2)
		1 MOUNTING KIT 634 802 C91)			
3A	668 188 C1	PULLEY, clutch	18	27 723 R1	CLAMP, heater hose to heater tube (2)
3B	668 187 C1	COIL, pulley clutch		or	
	634 802 C91	KIT, hardware mounting	18	333 710 R91	CLAMP, heater hose to heater tube (2)
4	417 888 C92 24 840 R1 115 093 70 833 C1	COMPRESSOR, freon (+) SCREW, hex-hd cap (4) WASHER, lock (4) SEAL, dust	19	710 051 C1	TUBE, heater inlet
5	681 536 C1	BRACKET, lower freon compressor (+)	20	710 050 C1	TUBE, heater outlet
	70 427 R1 115 314	SCREW, hex-hd cap (4) WASHER, lock (4)	21	711 827 C1	ELBOW, heater hose to radiator pipe
6	681 549 C1 25 522 R1 24 841 R1 21 318 R1 359 105 R1 115 093 615 031 R1	BRACE, freon compressor (+) NUT SCREW, 1-1/2" long hex-hd cap SCREW, 2-1/2" long hex-hd cap SPACER WASHER, lock (2) WASHER, flat	22	711 800 C1	HOSE, compressor discharge (13/16" ID x 252" long w/FITTINGS)
6A	681 535 C1 24 840 R1 115 093	SUPPORT, compressor brace (+) SCREW, hex-hd cap (2) WASHER, lock (2)	23	711 801 C1	HOSE, compressor suction (1/2" ID x 228" long w/FITTINGS)
7	175 086 C1	VALVE, compressor suction	24	706 842 C1	HOSE, heater inlet (3/4" ID x 180" long) (See NOTE) (x)
8	399 419 R1	VALVE, compressor discharge	25	706 842 C1	HOSE, heater outlet (3/4" ID x 228" long) (See NOTE) (x)
9	647 897 C1	HOSE, air conditioner condenser tray RH front drain	26	610 213 C91	STRAP, compressor and heater hose (4)
10	647 896 C1	HOSE, air conditioner condenser tray LH front drain	27	308 882 R1	CLAMP, heater hose on cab (8)
11	647 895 C1	HOSE, air conditioner condenser tray rear drain (2)	28	122 316 R91	CLAMP, heater hose (2)
12	683 151 C1	BRACKET, upper freon compressor (+)	29		NIPPLE (1" ID x 2" long) heater supply and return lines (Obtain locally) (2)
	25 522 R1 140 483 H 115 093	NUT (2) SCREW, hex-hd cap (2) WASHER, lock (2)	30	647 611 C1	VALVE, heater supply
13	612 354 C1 24 861 R1 116 121	CLAMP, compressor hose to cab (2) SCREW, hex-hd cap (2) WASHER, lock (2)	31	683 371 C1	TUBE, intercooler outlet
			32	190 752	NIPPLE, heater manifold to tee

NOTE: Furnished in 50 foot rolls only. Part number covers one foot of hose.

(*) - Serial Number Not Available.

(x) - As Required.

(+) - Part of ATTACHMENT, 668 833 C91.

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
AIR CONDITIONER, HEATER PIPING AND FREON COMPRESSOR - Continued * and Up			2	ELBOW	711 827 C1
			1	HOSE	647 897 C1
			1	HOSE	647 896 C1
33	115 237	TEE, pipe heater water supply	2	HOSE	647 895 C1
			1	HOSE	711 800 C1
34	321 792 R1	CONNECTOR, tee to intercooler	1	HOSE	711 801 C1
			x	HOSE	706 842 C1
35	647 611 C1	VALVE, heater outlet	4	NUT	668 541 C1
36	689 033 C1	PIPE, radiator to water pump (Replaces 683 372 C1)	12	NUT	25 526 R1
			2	NUT	25 522 R1
37	668 589 C91	CONDITIONER, air and HEATER ASSY. (Consists of all parts listed under "Air Conditioner")	12	SCREW	24 862 R1
	24 862 R1	SCREW, hex-hd cap (12)	6	SCREW	140 483 H
	116 121	WASHER, lock (12)	2	SCREW	24 861 R1
	25 546 R1	WASHER, hardened (12)	4	SCREW	25 228 R1
	25 526 R1	NUT (12)	4	STRAP	610 213 C91
			1	TUBE	710 051 C1
			1	TUBE	710 050 C1
			12	WASHER	25 546 R1
			4	WASHER	25 553 R1
38		HOSE, intercooler outlet (See to EPC-817C)	6	WASHER	115 093
			14	WASHER	116 121)
407 015 R1		HOSE, heater protector (3" ID x 6" long, (See NOTE) (x)	668 833 C91	ATTACHMENT, freon compressor (See NOTE 2) (Consists of -	
122 322 R91		CLAMP, hose protector	1	BELT	612 134 C1
635 577 C1		CABLE, magnetic clutch connector to air conditioner connector (Also listed and illustrated w/"Electric Starting and Lighting - 5470 and up")	1	BRACE	681 549 C1
			1	BRACKET	681 151 C1
			1	BRACKET	681 536 C1
			1	COMPRESSOR	417 888 C92
			3	NUT	25 522 R1
			1	PULLEY	680 664 C91
			1	PULLEY	681 539 C1
			2	SCREW	140 483 H
			1	SCREW	21 318 R1
			6	SCREW	24 840 R1
			1	SCREW	24 841 R1
			6	SCREW	24 861 R1
			4	SCREW	70 427 R1
			1	SPACER	359 103 R1
			1	SUPPORT	681 535 C1
			10	WASHER	115 093
			4	WASHER	115 314
			6	WASHER	116 121
			1	WASHER	615 031 R1
			1	SEAL	70 833 C1)
632 479 C91		ATTACHMENT, cab heater piping (Machine must be equipped with CAB) (See NOTE 3) (Consists of -	635 576 C1	PACKAGE, connectors and terminals (Consists of two CONNECTORS and two TERMINALS)	
	1	CONNECTOR 321 792 R1			
	§ 2	NIPPLE			
	1	NIPPLE 190 752			
	1	PIPE 689 033 C1			
	1	TEE 115 237			
	1	TUBE 683 371 C1			
	2	VALVE 647 611 C1)			
710 498 C91		ATTACHMENT, air conditioner and heater w/plumbing (Machine must be equipped w/CAB and heavy duty ALTERNATOR) (See NOTE 2) (Consists of -			
	1	CABLE 635 577 C1			
	1	CABLE 635 578 C1			
	1	CONDITIONER, air 668 589 C91			
	2	CLAMP 612 354 C1			
	4	CLAMP 308 581 R1			
	1	CLAMP 301 819 R1			
	2	CLAMP 681 896 C1			
	2	CLAMP 27 723 R1			
	8	CLAMP 308 882 R1			
	2	CLAMP 122 316 R91			

NOTE: Furnished in 50 foot rolls only. Part number covers one foot of hose.

NOTE 2: Field Application - Order on Machine Order Form.

NOTE 3: Field Application - Order through regular parts channels.

(*) - Serial number not available.

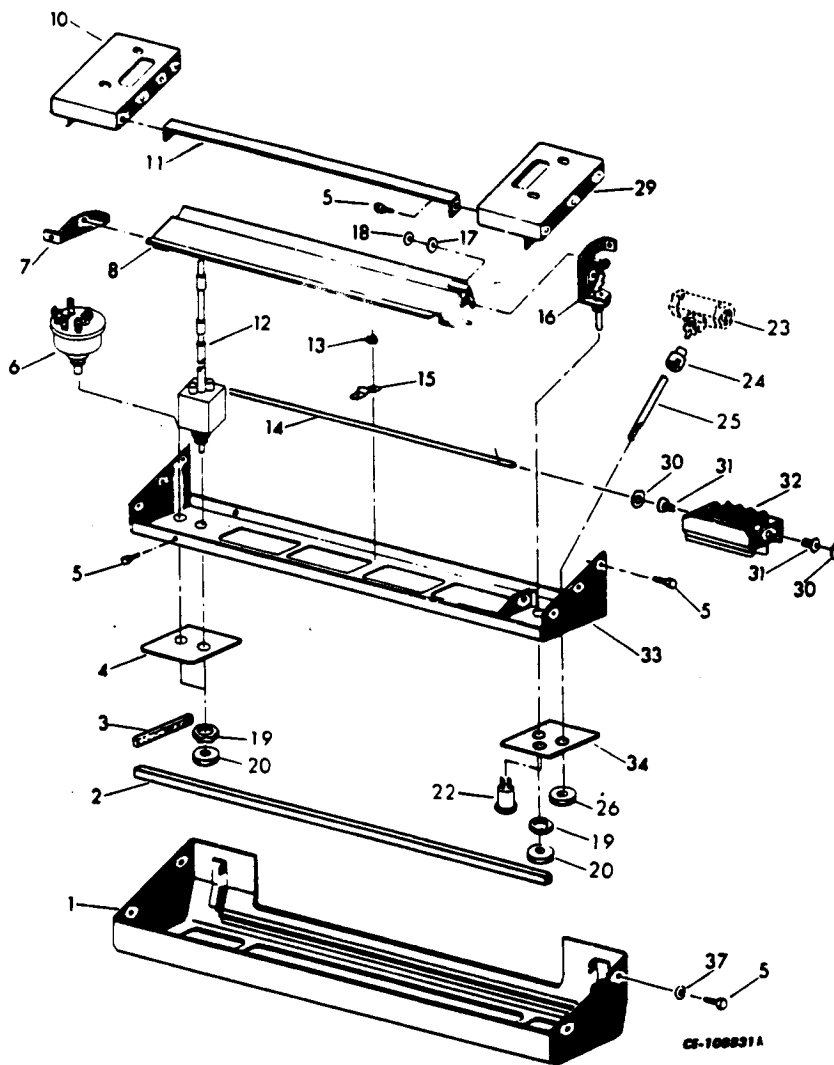
(x) - As Required.

§ - Not Furnished Separately.

SUPERSTRUCTURE

MEMORANDA

AIR CONDITIONER
(Air Discharge Console)

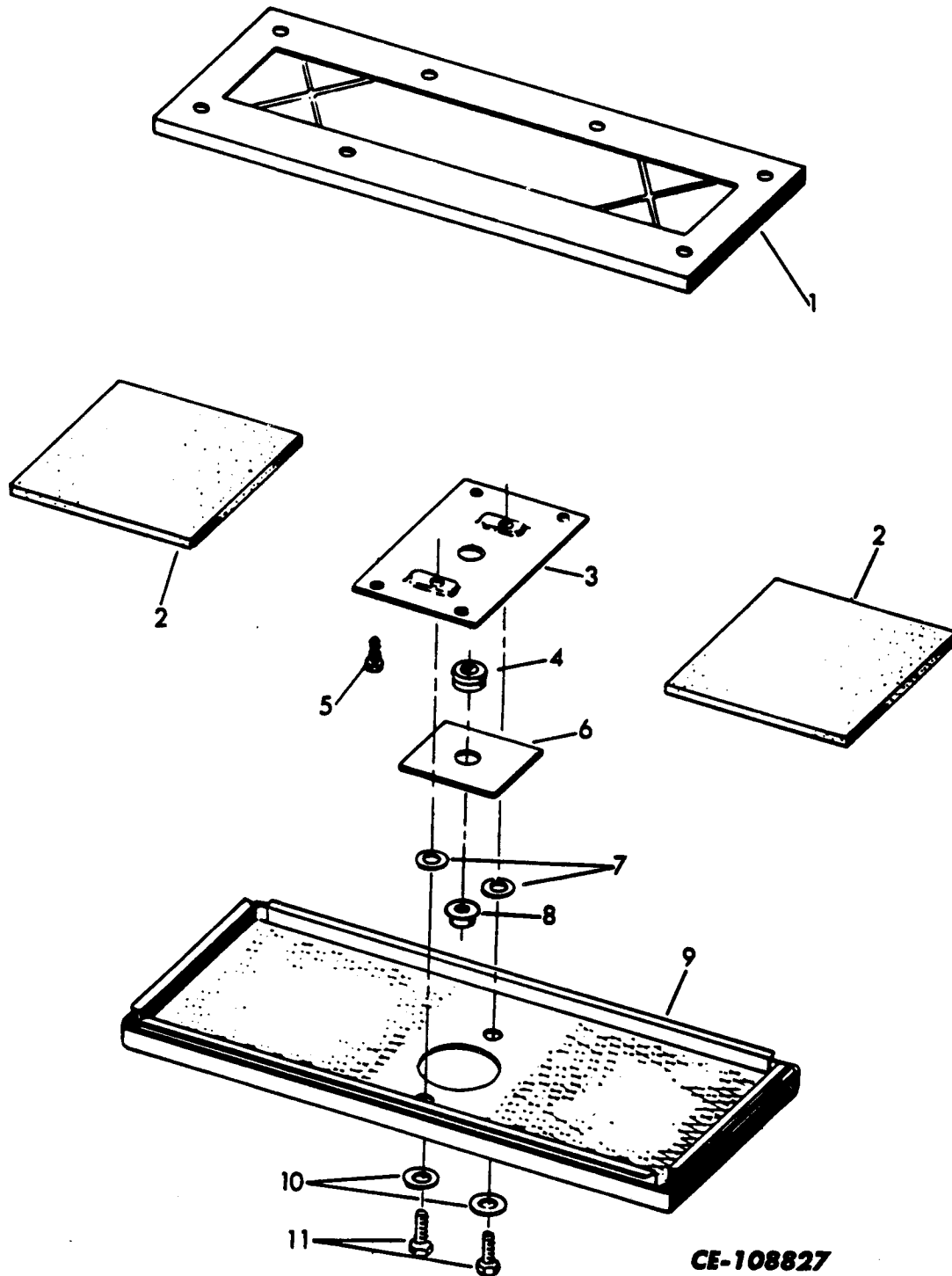


SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
AIR CONDITIONER - Continued (Air Discharge Console)					
1	\$	COVER	29	\$	BRACKET, LH mounting
2	\$	SEAL, foam	30	\$	WASHER, flat (8)
3	\$	SEAL, foam	31	\$	CLIP, tubular (8)
4	\$	PLATE, bezel trim	32	\$	REGISTER (4)
5	21 026 R1	BOLT (16)	33	\$	PLATE, register
6	\$	SWITCH, blower (Refer to "AIR CONDITIONER WIRING")	34	\$	PLATE, bezel trim
7	\$	BRACKET, air discharge			
8	\$	DIRECTOR, air			
10	\$	BRACKET, RH mounting			
11	\$	DEFLECTOR, defrost			
12	\$	SWITCH, thermostat (Refer to "AIR CONDITIONER WIRING")			
13	\$	NUT w/LOCK WASHER (6)			
14	\$	SHAFT			
15	\$	STRAP			
16	\$	CONTROL, air director			
17	\$	WASHER, felt			
18	668 737 C1	NUT, spring			
19	\$	NUT, hex (3)			
20	\$	KNOB w/SET SCREW			
21	118 664	WASHER (4)			
22		LIGHT, indicator (Refer to "AIR CONDITIONER WIRING")			
23		VALVE, water (Refer to "CONDENSER AND EVAPORATOR")			
24	\$	COUPLING			
25	647 854 C1	SHAFT, knob			
26	\$	KNOB			

(\$) Not Furnished Separately.

AIR CONDITIONER
(Return Air Console)



CE-108827

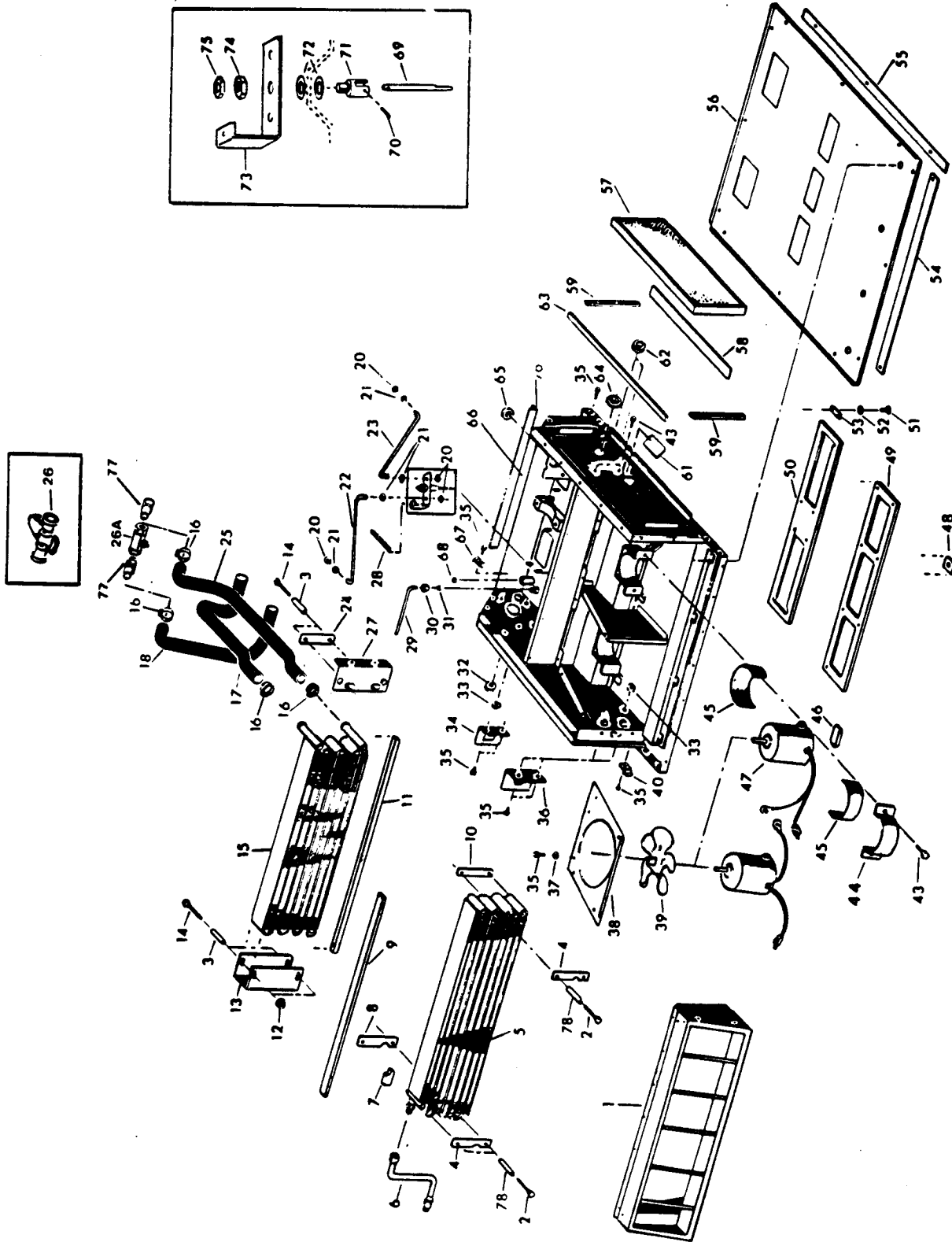
SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
AIR CONDITIONER – Continued (Return Air Console)					
1	647 815 C1	FRAME, inner			
2	647 673 C1	FILTER (2)			
3	647 817 C1	PLATE			
4	42 723 H	GROMMET (Replaces, 647 876 C1)			
5	26 976 R1	BOLT (4)			
6	\$	PLATE, bezel trim			
7	\$	RETAINER, push nut (2)			
8	\$	KNOB w/set SCREW			
9	647 819 C91	COVER and FRAME ASSEMBLY			
10	\$	WASHER, flat (2)			
11	\$	BOLT (2)			

(\$) Not Furnished Separately.

SUPERSTRUCTURE

AIR CONDITIONER (Condenser and Evaporator)



CE100979D

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
AIR CONDITIONER – Continued (Condenser and Evaporator)					
1	647 826 C1	CAP, rear end	27	\$	BRACKET, RH heater mounting
2	\$	BOLT (4)	28	647 851 C1	SPRING
3	120 511 H	SPACER (4)	29	\$	TUBE, guide
4	\$	PLATE, back-up (2)	30	\$	SLEEVE, tube
5	647 663 C91	COIL, condenser	31	\$	NUT, compression
6	647 832 C91	TUBE, condenser	32	117 975	GROMMET
7	\$	SEAL, foam	33	443 850	GROMMET (2)
8	\$	PLATE, LH condenser mounting	34	\$	BRACKET, bottle
9	\$	SEAL, foam	35	26 976 R1	BOLT (32)
10	\$	PLATE, RH condenser mounting	36	\$	BRACKET, bottle mounting
11	\$	SEAL, rubber	37	\$	WASHER, flat (7)
12	\$	NUT, hex (2)	38	\$	SHROUD, condenser fan (2)
13	\$	BRACKET, LH heater mounting	39	647 672 C1	FAN (2)
14	\$	BOLT (4)	40	\$	CLAMP
15	631 974 C1	COIL, heater	43	26 056 R1	BOLT (14)
16	\$	CLAMP (4)	44	647 841 C1	STRAP, motor mounting (2)
17	631 974 C1	HOSE, heater	45	\$	PAD, rubber (2)
18	631 974 C1	HOSE, heater	46	\$	PAD, rubber (2)
20	\$	NUT, spring (4)	47		MOTOR, condenser (Refer to "AIR CONDITIONER WIRING") (2)
21	\$	WASHER, flat (12)		631 999 C1	PAD, rubber (Condenser motor mount- ing) (4)
22	\$	ARM, LH door			
23	\$	ARM, RH door	48	736 101 C1	SEAL, rubber (Replaces, 647 866 C1) (4)
24	\$	PLATE, back-up			
25		HOSE, heater (Cut length 13" long from bulk HOSE, 117 724 C1)	49	647 865 C1	SEAL, rubber (Order SEAL, 736 100 C1 and SEAL, 736 099 C1)
26	736 091 C1	VALVE, water	49	736 100 C1	SEAL, rubber
26	631 970 C91	VALVE, water	50	647 864 C1	SEAL, rubber (Order SEAL, 736 099 C1 and SEAL, 736 100 C1)
			50	736 099 C1	SEAL, rubber

(\$) Not Furnished Separately.

SUPERSTRUCTURE

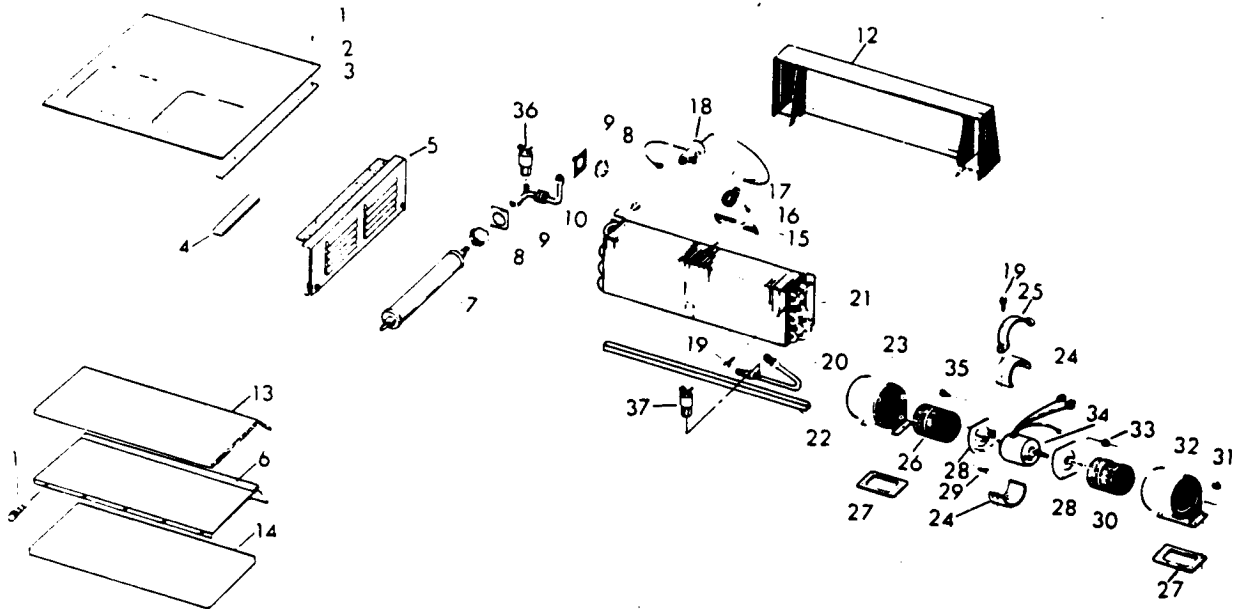
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
AIR CONDITIONER – Continued (Condenser and Evaporator)					
51	\$	RIVET, pop (8)	76	736 095 C1	BRACKET, bottom per extension
52	\$	DIAPHRAGM, rubber (4)	77	864 456 R1	ELBOW, 90° hose (2)
53	647 882 C1	WASHER, flat (12)	78	80 438 R1	SPACER
54		SEAL (Order KIT, 647 678 C91)		117 724 C1	HOSE, bulk (5/8" ID) (*) (x)
55		SEAL (Order KIT, 647 678 C91)		647 678 C91	KIT, roof seal (2)
56	647 869 C1	PAN, mounting			
57	736 087 C1	FILTER, w/GASKET, air (Replaces 647 671 C91) (2)			
58	\$	SEAL, foam (2)			
59	647 861 C1	SEAL, foam (Order FILTER, 736 087 C1) (4)			
61	\$	SEAL, foam (2)			
62	115 329 R1	GROMMET (Replaces, 631 973 C1)(4)			
63	647 860 C1	SEAL, foam (Order FILTER, 736 087 C1) (2)			
64	\$	PLUG, button (2)			
65	115 329 R1	GROMMET (Replaces, 631 982 C1)(2)			
66	\$	CHASSIS			
67	\$	CLAMP			
68	\$	BUSHING (2)			
69	647 854 C1	SHAFT, knob			
70	\$	ROLL PIN			
71	\$	COUPLING			
72	\$	WASHER, flat (2)			
73	\$	ARM, pivot			
74	\$	NUT, hex			
75	\$	NUT, hex- jam			

(\$) Not Furnished Separately.
(x) As Required.
(*) Part Number Covers One Foot of Hose

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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AIR CONDITIONER
(Condenser and Evaporator)



CE108978 A

1	\$	SCREW, hex-hd cap (24)	13	\$	INSULATION, foam
2	647 821 C1	COVER, top	14	\$	SEAL, foam
3	\$	SEAL, foam (2)	15	\$	TAP, rubberized asphalt
4	\$	SEAL, foam (2)	16	\$	SCREW, spinlock
5	736 092 C91	DOOR w/KIT, 647 677 C91, filter (Replaces, 647 676 C91) (2)	17	\$	CLAMP, bulb
6	647 825 C1	COVER, evaporator	18	647 667 C91	VALVE, expansion
7	647 668 C91	RECEIVER, dehydrator	19	26 056 R1	SCREW, hex-hd cap (6)
8	647 878 C1	LOCKNUT (2)	20	736 102 C1	TUBE, bulkhead (Replaces, 647 830 C1)
9	\$	PLATE, bulk head mounting (2)	21	647 664 C91	COIL, evaporator
10	736 098 C1	TUBE w/SIGHT GLASS (Replaces, 647 828 C1)	22	\$	SEAL, rubber
12	647 824 C1	CAP, front end			

(\$) - Not Furnished Separately.

SUPERSTRUCTURE

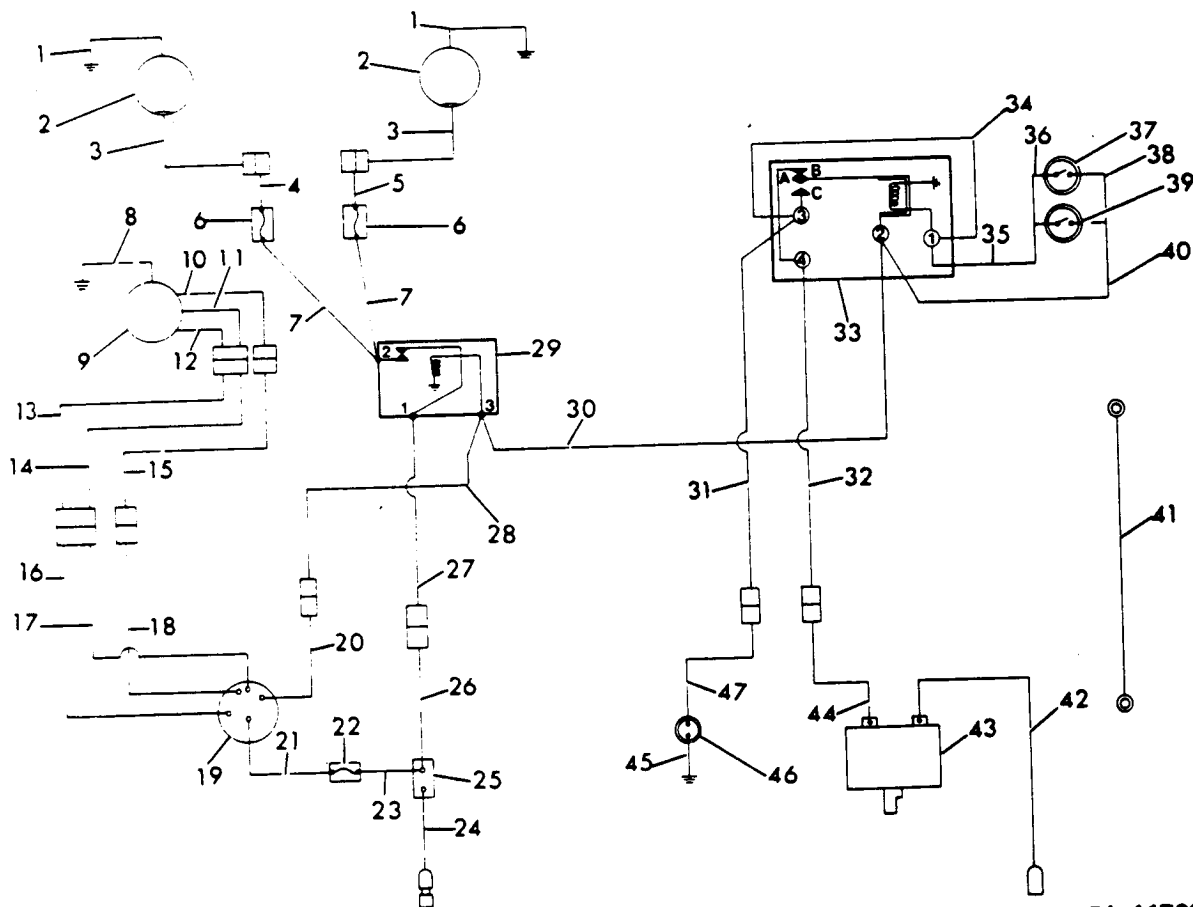
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
AIR CONDITIONER - Continued (Condenser and Evaporator)					
23	\$	HOUSING, LH blower			
24	631 993 C1	PAD, rubber (2)			
25	647 844 C1	STRAP, motor mounting			
26	644 319 C1	WHEEL, blower - clockwise			
27	\$	SEAL, rubber (2)			
28	\$	PLATE, blower mounting (2)			
29	26 976 R1	SCREW, hex-hd cap (8)			
30	644 318 C1	WHEEL, blower - counterclockwise			
31	\$	NUT, hex (6)			
32	\$	HOUSING, RH blower			
33	\$	NUT and LOCKWASHER (2)			
34	\$	MOTOR, evaporator (Refer to "AIR CONDITIONER WIRING")			
35	\$	SCREW and LOCKWASHER (2)			
36		SWITCH, hi pressure (Refer to "AIR CONDITIONER WIRING")			
37		SWITCH, lo pressure (Refer to "AIR CONDITIONER WIRING")			
	647 677 C91	KIT, door latch (2)			

(\$) - Not Furnished Separately.

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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AIR CONDITIONER WIRING



PL-117623

1		CABLE, condenser motor ground (Black) (Part of condenser motor)	10		CABLE, evaporator motor medium speed (Green) (Part of evaporator motor)
2	647 670 C91	MOTOR, condenser	11		CABLE, evaporator motor high speed (Orange) (Part of evaporator motor)
3		CABLE, condenser motor power lead (Black) (Part of condenser motor)	12		CABLE, evaporator motor low speed (Blue) (Part of evaporator motor)
4	\$	CABLE, circuit breaker to condenser motor	13		CABLE, blower switch low speed (Light Blue)(Part of harness)
5	S	CABLE, circuit breaker to condenser motor	14		CABLE, blower switch high speed (Orange) (Part of harness)
6	739 525 C1	BREAKER, circuit (2)	15		CABLE, blower switch medium speed (Dark Green) (Part of harness)
7	S	CABLE, condenser motor relay No.2 terminal to circuit breaker (2)	16	\$	CABLE, blower switch low speed (Blue)
8		CABLE, evaporator motor ground (Black) (Part of condenser motor)	17	\$	CABLE, blower switch high speed (Orange)
9	631 991 C91	MOTOR, evaporator			(\$) Not Furnished Separately.

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
AIR CONDITIONER WIRING – Continued					
18	\$	CABLE, blower switch medium speed (Green)	35		CABLE, low pressure switch to safety control relay No. 1 terminal (Part of harness)
19	715 655 C1	SWITCH, blower	36		CABLE, high pressure switch to low pressure switch (Part of harness)
20	\$	CABLE, blower switch to condenser motor relay No. 3 terminal	37	740 012 C1	SWITCH, high pressure
21	\$	CABLE, circuit breaker to blower switch (Red)	38		CABLE, low pressure switch to high pressure switch (Part of harness)
22	1 132 147	BREAKER, circuit	39	740 013 C1	SWITCH, low pressure
23	\$	CABLE, junction block to circuit breaker (Red)	40		CABLE, safety control relay No. 2 terminal to low pressure switch (Part of harness)
24	\$	CABLE, power feed	41		CABLE, ground (Black) (Part of harness)
25	\$	BLOCK, junction	42	\$	CABLE, thermostat switch to clutch (Black and Orange)
26	\$	CABLE, junction block to condenser motor relay No. 1 terminal (Red)	43	715 902 C1	SWITCH, thermostat
27	\$	CABLE, junction block to condenser motor relay No. 1 terminal (Red)	44	\$	CABLE, safety control relay No. 4 terminal to thermostat switch (Black and Orange)
28		CABLE, blower switch to condenser motor relay No. 3 terminal (Black) (Part of harness)	45	\$	CABLE, signal light ground
29	251 644 C91	RELAY, condenser motor	46	736 085 C1	LIGHT, signal
30		CABLE, condenser motor relay No. 3 terminal to safety control relay No. 2 terminal (Part of harness)	47	\$	CABLE, safety control relay No. 3 terminal to signal light (White)
31		CABLE, safety control relay No. 3 terminal to signal light (White) (Part of harness)			
32		CABLE, safety control relay No. 4 terminal to thermostat switch (Black and Orange) (Part of harness)			
33	736 088 C1	RELAY, safety control			
34		CABLE, safety control relay No. 1 terminal to No. 3 terminal (Part of harness)			

(\$) Not Furnished Separately.

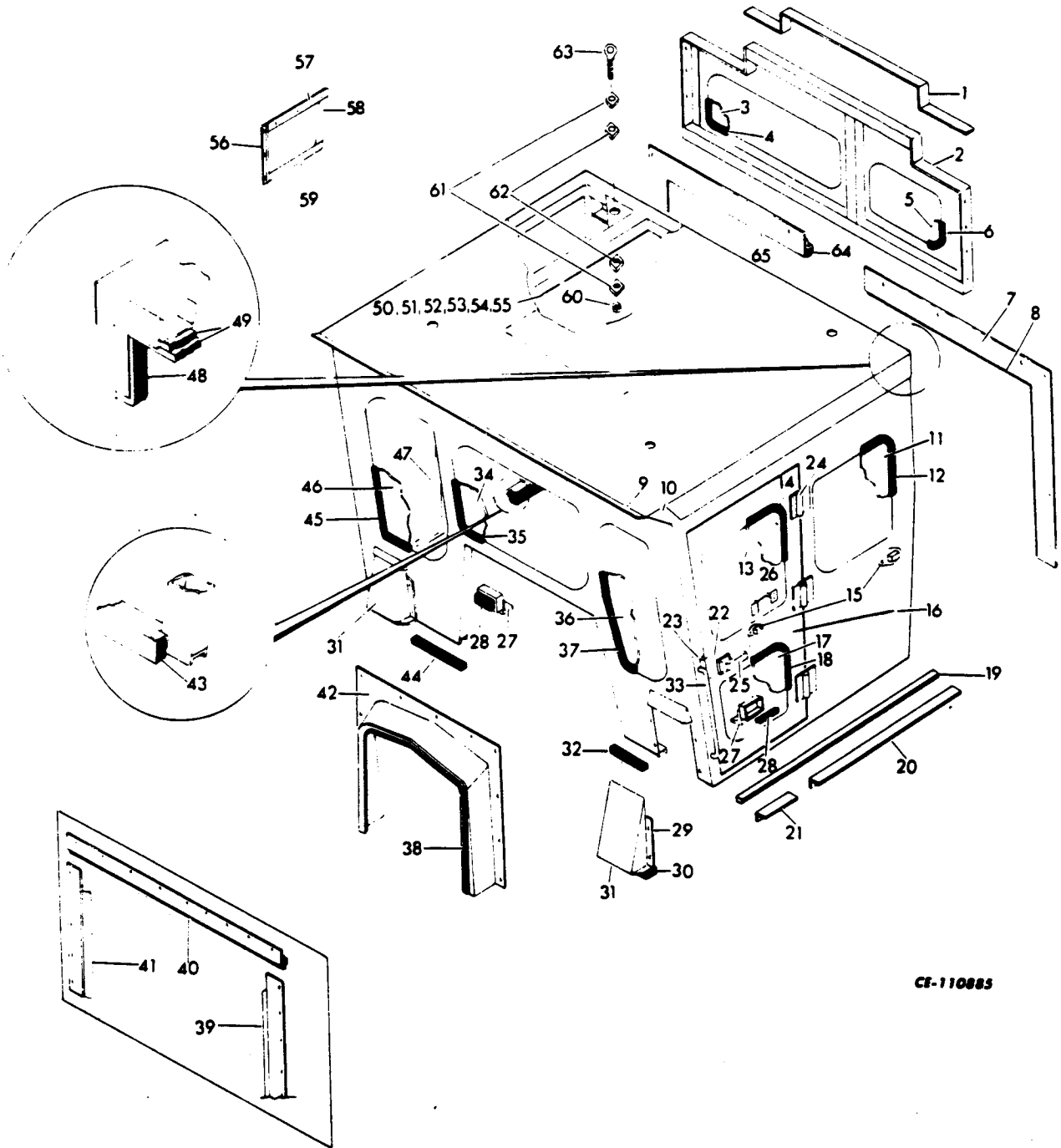
SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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MEMORANDA

SUPERSTRUCTURE

CAB ASSEMBLY



CE-110885

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CAB ASSEMBLY - Continued			26	60009	PULL, door - inside (2)
	710 206 C91	CAB ASSY. (Part of ATTACHMENT, 668 889 C93) (See NOTE) (Consists of the following parts -	27	90087	BRACKET, stop (Less rubber) (3)
1	40019-1	GASKET, rear panel - 1/2 x 2 x 92"	28	40012-1	RUBBER, stop block (1 x 1-5/8 x 3") (3)
2	90035	PANEL, rear (Less glass and gaskets)	29	40017-4	GASKET, boot sides (10-3/4" long) (4)
3	20009-19	GLASS, RH rear panel	30	40006-1	GASKET, boot, bottom (3/4 x 2 x 13") (2)
4	40014-4	GASKET, window - rear panel RH (116" long)	31	90041	BOOT ASSY. (Less gaskets) (2)
5	20008-15	GLASS, LH rear panel	32	40011-3	RUBBER, cab mounting, front - LH (1-3/4 x 2 x 9-1/4")
6	40014-3	GASKET, window - rear panel LH (83" long)	33	50029	HANDLE, grab (2)
7	90090	PANEL, rear filler - LH (Less rubber)	34	20009-33	GLASS, windshield - center
8	40005-19	GASKET, rear filler panel - LH (1/4 x 3/4 x 71-1/2")	35	40014-6	GASKET, window - windshield - center (99-1/2" long)
9	40018-2	VISOR, rubber - 90" long	36	20010-5	GLASS, windshield - LH
10	40018-1	GUSSET, rubber visor - 7-1/2" long (2)	37	40014-7	GASKET, window - windshield - LH (105-1/2" long)
11	20009-29	GLASS, LH and RH sides - stationary (2)	38	40005-13	GASKET, cowl - filler rubber (91-1/2" long)
12	40014-3	GASKET, window - LH and RH sides (83" long) (2)	39		PANEL, rear filler - RH (Order 90089 and 90090)
13	20011-3	GLASS, standard door - upper (2)	40		PANEL, rear filler - top (Order 90089 and 90090)
14	40014-2	GASKET, window - door, upper (87" long) (2)	41		PANEL, rear filler - LH (Order 90089 and 90090)
15	60008	HOLDBACK, door (Set) (2)	42	90036	COWLING ASSY. (Less gasket)
16	90143-1	DOOR ASSY., LH	43	40007-1	GASKET, at battery (1 x 2 x 23-1/2")
16	90143	DOOR ASSY., RH	44	40011-2	RUBBER, cab mounting - front - RH (1-3/4 x 2 x 16-1/2")
17	20011-1	GLASS, standard door - lower (2)	45	40014-5	GASKET, window - windshield - RH (117-1/2" long)
18	40014-1	GASKET, window - door, lower (73-1/2" long) (2)	46	20010-7	GLASS, windshield - RH
19	40011-1	RUBBER, cab mounting (1-3/4 x 2 x 54-1/2") (2)	47	40015-1	GASKET, door - RH and LH (164" long) (2)
20	50026	ANGLE, mounting (2)	48	40019-2	GASKET, cab RR top - R and L (1/2 x 2 x 8") (2)
21	50025	ANGLE, mounting (2)			
22	60017	LATCH ASSY., door - LH and RH (2)			
23	60023	STRIKER, door (2)			
24	60015	HINGE, door (6)			
25	60018	HANDLE, door - outside (With keys) (2)			

NOTE: For Service Parts, contact:
Campbell Cab Corp.
120 West Kent Avenue
Wauconda, Illinois 60084

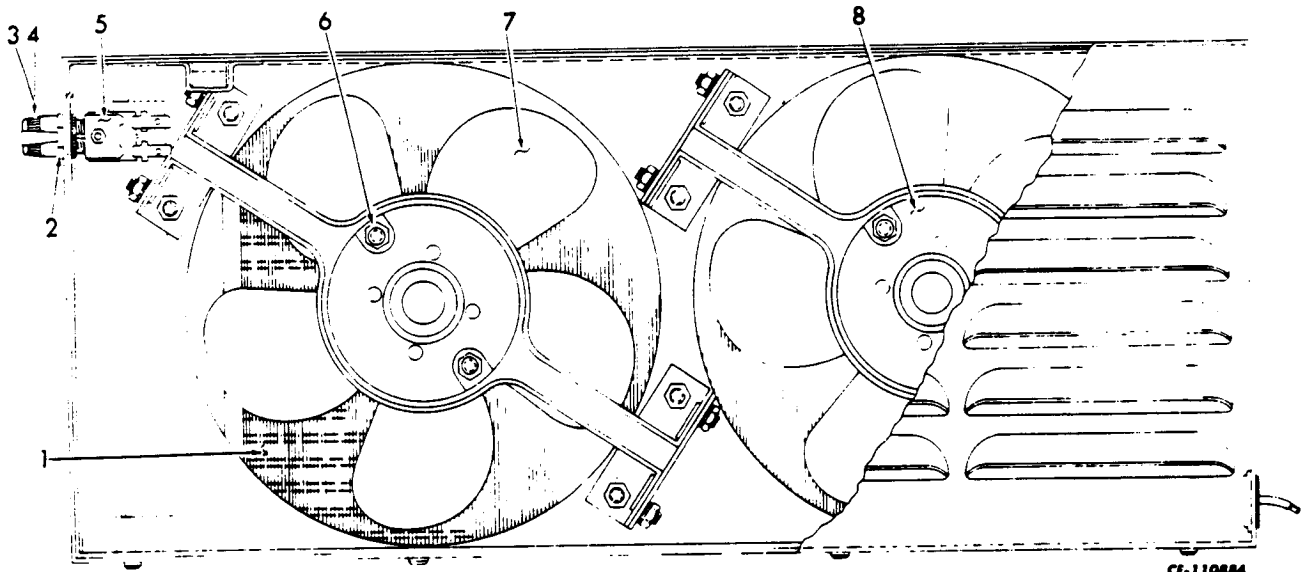
SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CAB ASSEMBLY - Continued					
49	40020-1	GASKET, cab rear top (1/2 x 3 x 80-1/2") (2)			
50	40009-1	RUBBER - roof isolation (1/4 x 1-1/2 x 60") (2)			
51	40009-2	RUBBER - roof isolation (1/4 x 1-1/2 x 51-1/2") (2)			
52	40002-4	GASKET, air conditioner mounting (1/4 x 3/4 x 60")			
53	40002-5	GASKET, air conditioner mounting (1/4 x 3/4 x 36") (2)			
54	40002-6	GASKET, air conditioner mounting (1/4 x 3/4 x 25-1/2") (2)			
55	40002-7	GASKET, air conditioner mounting (1/4 x 3/4 x 11-1/2") (2)			
56	90040	COVER w/HINGE, hydraulic (Less gaskets)			
57	40017-1	GASKET, access door - hydraulic (24-1/4" long)			
58	40017-2	GASKET, access door - hydraulic (16-1/2" long)			
59	40017-3	GASKET, access door - hydraulic (22-1/4" long)			
60	60014	NUT, elastic stop - 3/4-10 (4)			
61	50286	WASHER, flat (2-1/4 x 2-1/4 x 3/16") (8)			
62	40001	PAD, rubber (2 x 2 x 1/4") (8)			
63	60011	EYEBOLT, 3/4-10 x 4-1/2" (4)			
64	40005-20	GASKET, rear filler panel - RH (1/4 x 3/4 x 86-1/2")			
65	90089	PANEL, rear filler - RH (Less rubber)			
	60025-2	BOLT, self-tapping hex (3/8-16 x 1") (8)			
	60025-1	BOLT, self tapping hex (3/8-16 x 3/4") (40)			
	60026	WASHER, 3/8" split lock (48)			

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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HEATER ASSEMBLY



CS-110884

	668 893 C92	HEATER ASSY. (Part of ATTACHMENT, 668 892 C92) (See NOTE) (Consists of the following parts -	4	5246	HOLDER, fuse
			5	5257	SWITCH
1	1052	CORE	6	6076	NUT (20)
2	5029	VALVE, bleeder	7	5114	FAN (2)
3	5247	FUSE	8	20228	MOTOR, 12 volt (2)

NOTE: For service parts, contact:

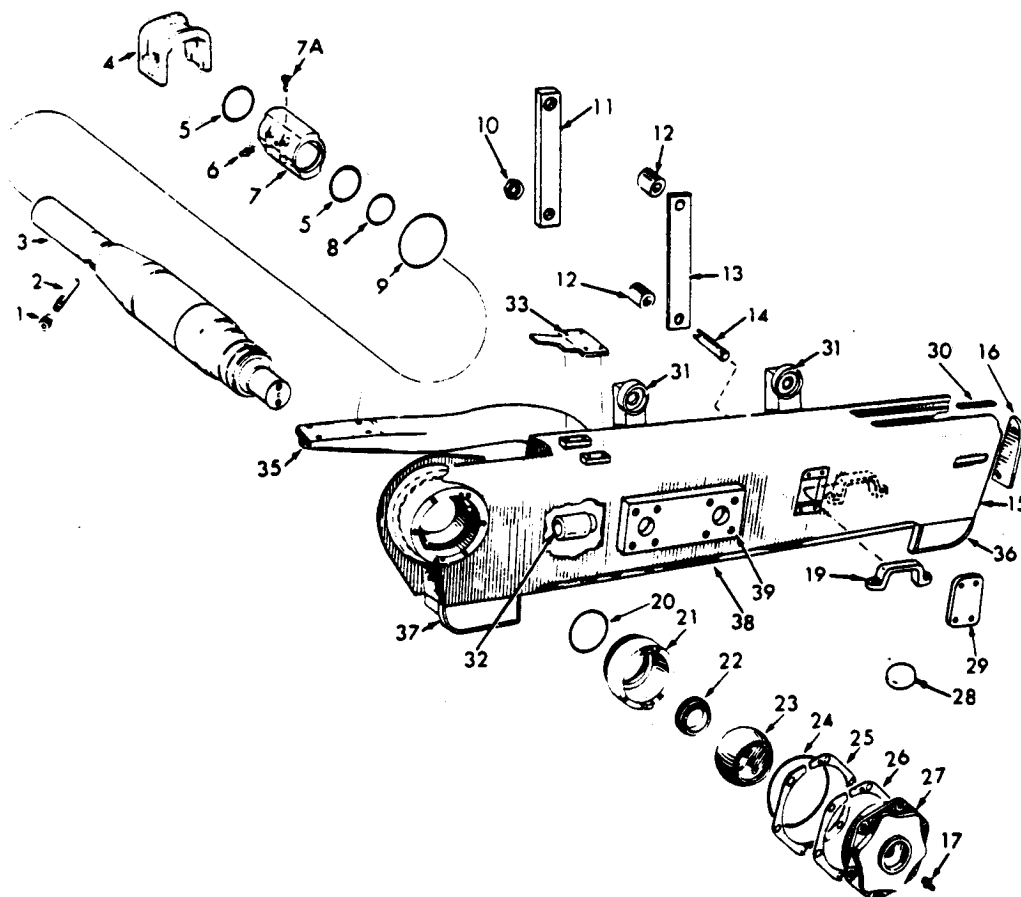
Campbell Cab Corp.
120 West Kent Avenue
Wauconda, Illinois 60084

**REFER TO ALPHABETICAL INDEX
FOR COMPLETE LISTING OF PARTS**

SUSPENSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRACK FRAME, PIVOT SHAFT AND RELATED PARTS



IPB13196 E

1	279 995 R1	RETAINER, track frame pivot shaft lock pin (2)	5	251 940 R1	FELT, track frame diagonal brace bearing (4)
2	316 751 R1	PIN, track frame pivot shaft lock (Used with rear main frame 700 104 C93) (2)	6	109 461	FITTING, 1/8" straight lubrication (track frame diagonal brace bearing) (2)
2	661 975 C1	PIN, track frame pivot shaft lock (Used with rear main frame 700 104 C95) (2)	7	251 937 R93	BEARING ASSEMBLY, track frame diagonal brace (2) (Composed of - <ul style="list-style-type: none"> 1 BEARING, upper 1 BEARING, lower 4 BOLT 24 845 R1 2 FELT 251 940 R1 1 FITTING 109 461 4 NUT 25 522 R1 4 WASHER 103 321)
3	604 161 C3	SHAFT, track frame pivot (together w/4 BOLT, 25 974 R1, will work for SHAFT, 604 161 C2) (2)			
4	251 941 R2	CLAMP, track frame diagonal brace (2)			
	25 974 R1	SCREW, NF, 2-1/2" long, hex-hd cap (4)		24 845 R1	BOLT (8)
	25 975 R1	SCREW, NF, 3-1/4" long, hex-hd cap (4)		25 522 R1	NUT (8)
	232 361 R1	WASHER, flat (8)		103 321	WASHER, lock (8)

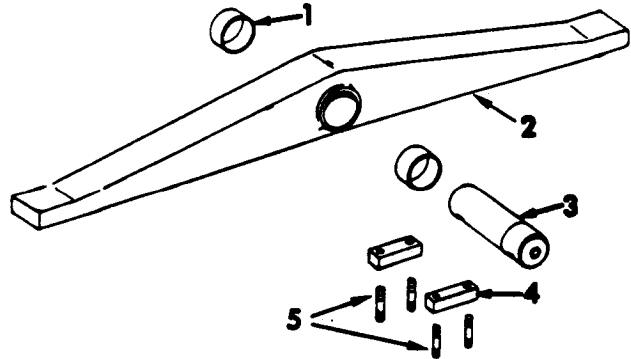
8 - Not Furnished Separately.

SUSPENSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRACK FRAME, PIVOT SHAFT AND RELATED PARTS - Continued			16	617 428 C1 25 517 R1	CAP, track frame body front (4) SCREW, NF, hex-hd cap (8)
8	22 412 R1	"O" RING, track frame pivot shaft, inner (2)	17	109 461	FITTING, lube (2)
9	259 190 R1	"O" RING, track frame pivot shaft, outer (2)	19	617 425 C2 25 741 R1	BRACKET, equalizer bar rebound (2) BOLT (4)
10	20 721 R1 316 551 R1	NUT (2) WASHER (2)	20	259 190 R1	"O" RING, track frame pivot bearing socket (2)
11	617 421 C2	PLATE, track frame guide, outer (2)	21	322 678 R1	SOCKET, track frame pivot bearing (2)
12	617 422 C1	SPACER, track frame guide plate (4) Manual Shift 1256 and below Power Shift 1256 and below	22	346 808 R91	SEAL, track frame pivot bearing (2)
12	624 930 C1	SPACER, track frame guide plate (4) Manual Shift 1257 and up Power Shift 1257 and up	23	609 836 C3	BEARING, track frame pivot (2) Manual Shift 0964 and below Power Shift 0964 and below (Order the following parts - 1 BEARING 609 836 C4 4 SCREW 25 969 R1 1 CAP 316 564 R3)
13	617 420 C2	PLATE, track frame guide, inner (2) Manual Shift 1256 and below Power Shift 1256 and below		20 809 R1	BOLT, track frame pivot shaft bearing (8)
13	624 929 C2	PLATE, track frame guide, inner (2) Manual Shift 1257 and up Power Shift 1257 and up	23	609 836 C4	BEARING, track frame pivot (2) Manual Shift 0965 and up Power Shift 0965 and up
14	617 401 C1	STUD, track frame guide plate (2)		25 969 R1	SCREW, hex-hd cap (For use w/ SHAFT, 604 161 C2) (8)
15	700 412 C92	FRAME ASSY., LH track (Composed of - 1 BAR 617 378 C1 1 BAR 617 379 C1 2 BLOCK 1 BRACE 617 181 C1 2 BRACKET 700 055 C1 44 CORK 106 613 1 FRAME 4 GUIDE 273 640 R1 1 GUIDE 700 418 C1 1 GUIDE 700 419 C1 1 GUIDE 700 420 C1 2 PIN 141 244 1 STUD 617 401 C1 1 TUBE 707 648 C1 1 PLATE 740 266 C1 1 PLATE 740 267 C1		25 974 R1	SCREW, NF, hex-hd cap (For use w/SHAFT, 604 161 C3) (8)
	106 613	CORK, No. 9 (44)	24	252 129 R1	"O" RING, track frame pivot bearing cap (2)
15	700 413 C92	FRAME ASSY BRACE, RH track (Composed of - 1 BAR 617 378 C1 1 BAR 617 379 C1 2 BLOCK 1 BRACE 617 182 C1 2 BRACKET 700 055 C1 44 CORK 106 613 1 FRAME 4 GUIDE 273 640 R1 1 GUIDE 700 418 C1 1 GUIDE 700 419 C1 1 GUIDE 700 421 C1 2 PIN 141 244 1 STUD 617 401 C1 1 TUBE 707 648 C1 1 PLATE 740 266 C1 1 PLATE 740 267 C1	25	316 542 R1	SHIM, track frame pivot bearing cap (heavy) (16)
	106 613	CORK, No. 9 (44)	26	316 543 R1	SHIM, track frame pivot bearing cap (light) (8)
	106 613	CORK, No. 9 (44)	27	316 564 R3 25 355 R1	CAP, track frame pivot bearing (2) SCREW, hex-hd cap (12)
	106 613	CORK, No. 9 (44)	28	617 189 C1	PAD, equalizer bar wear (2)
	106 613	CORK, No. 9 (44)	29	616 454 C1 26 316 R1	COVER, hydraulic track adjuster (2) BOLT (8)
	106 613	CORK, No. 9 (44)	30	273 640 R1	GUIDE, front idler bar (8)
	106 613	CORK, No. 9 (44)	31	700 055 C1	BRACKET, track frame (2)
	106 613	CORK, No. 9 (44)	32	707 648 C1	TUBE, track spring retainer (2)

SUSPENSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRACK FRAME, PIVOT SHAFT AND RELATED PARTS - Continued			EQUALIZER BAR		
33	740 254 C1	DEFLECTOR, dirt-LN (Use on LH track frame equipped with dirt deflector tap blocks) (*)			
	24 874 R1	BOLT (4)			
	25 547 R1	WASHER, flat (4)			
33	740 255 C1	DEFLECTOR, dirt-RH (Used on RH track frame equipped with dirt deflector tap blocks) (*)			
	24 874 R1	BOLT (4)			
	25 547 R1	WASHER, flat (4)			
34		BLOCK, dirt deflector tap (Not furnished separately) (*) (4)			
35	617 181 C1	BRACE, LH diagonal			
35	617 182 C1	BRACE, RH diagonal			
36	700 418 C1	GUIDE, LH front track chain (2)			
36	700 419 C1	GUIDE, RH front track chain (2)			
37	700 420 C1	GUIDE, LH rear track chain			
37	700 421 C1	GUIDE, RH rear track chain			
38	617 378 C1	BAR, inner rail (116" long) (2)			
38	617 379 C1	BAR, outer rail (128.5" long) (2)			
39	703 530 C1	BASE, equipment mounting (2)			
	674 051 C91	PACKAGE, dirt deflector improvement (See NOTE 3) (Consists of -			
	§ 4	BLOCK			
	8	BOLTS	24 874 R1		
	1	DEFLECTOR	740 254 C1		
	1	DEFLECTOR	740 255 C1		
	1	DRAWING	CZG-3234		
	8	WASHER	25 547 R1)		
	141 244	PIN, track idler guide dowel (4)			
	617 987 C1	SHIM, equalizer bar rebound bracket (For use w/BRACKET, 617 425 C1) (2)			
	740 266 C1	PLATE, track frame inner rail-front(2)			
	740 267 C1	PLATE, track frame inner rail-rear (2)			



1	314 815 R1	BUSHING, equalizer bar (2)
2	617 075 C92	BAR, w/two BUSHING, 314 815 R1, equalizer
3	617 838 C1	SHAFT, equalizer bar
4	331 340 R1	LOCK, equalizer bar shaft (2)
5	628 437 C1	STUD, equalizer bar shaft lock (4)
	334 742 R1	NUT, equalizer bar shaft lock (Order NUT, 25 632 R1 and WASHER, 39 422 D)
	25 632 R1	NUT, equalizer bar shaft lock (4)
	39 422 D	WASHER, hardened (4)

(*) - Also Part of PACKAGE, 674 051 C91

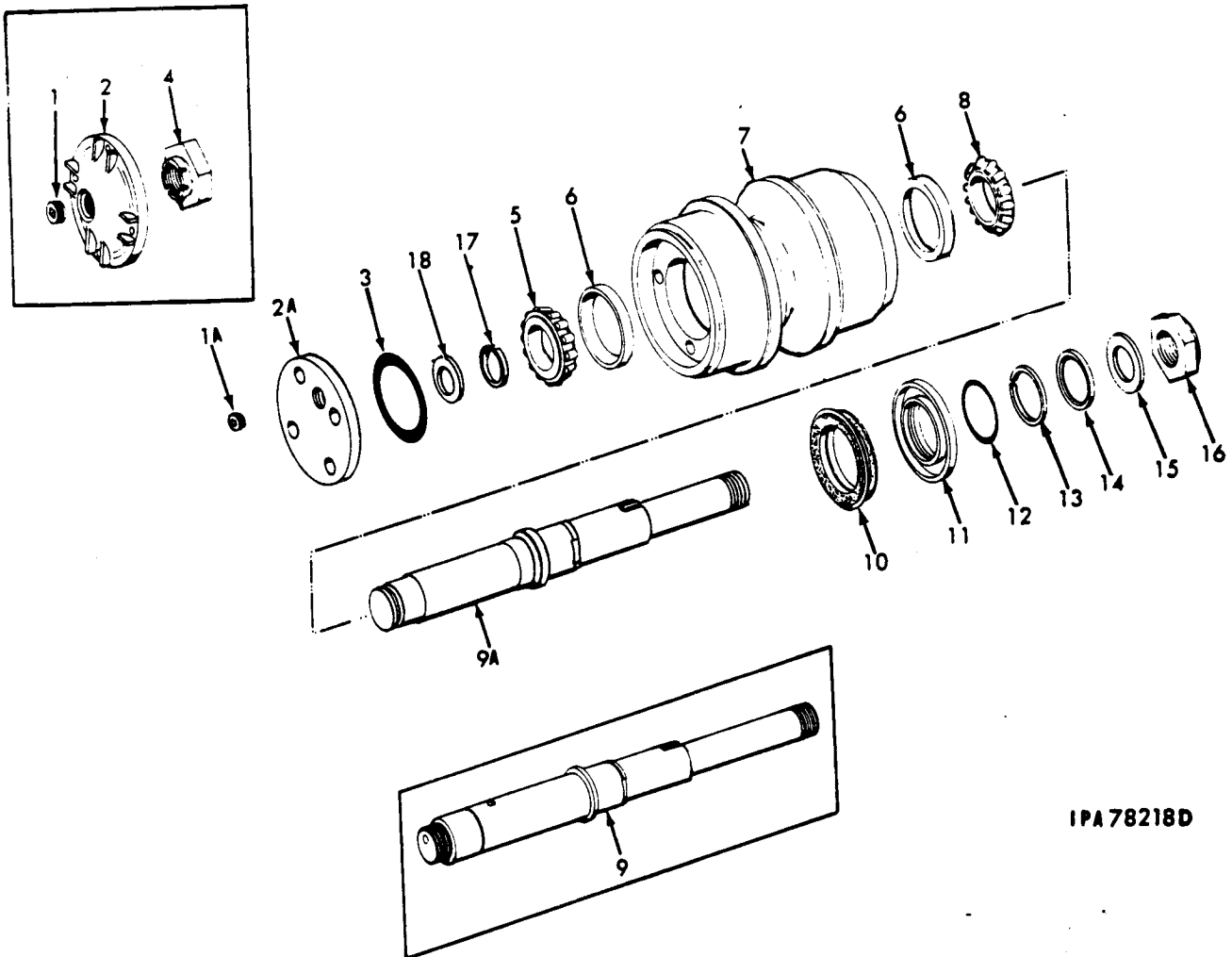
§ - Not Furnished Separately

NOTE 3 - Field Application - Order Through
Regular Service Parts Channels.

SUSPENSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRACK IDLER



IPA 78218D

A	700 475 C93	IDLER ASSY, front track (2)	5	13 367 DC	CONE, outer bearing
B	345 755 R93	IDLER ASSY, rear track (2) (Consists of the following parts -	6	13 363 D	CUP, outer and inner bearing (2)
1	271 647 R1	PLUG, track idler cap (Used w/ CAP, 345 759 R1)	7	345 753 R91	IDLER, track
1A	268 996 R1	PLUG, track idler cap (Used w/ CAP, 636 663 C1)	8	ST2 007 A	CONE, inner bearing
2	345 759 R1	CAP, track idler (Used w/SHAFT, 617 408 C1 or 345 757 R1)	9	617 408 C1	SHAFT, front track idler (Idler A) (23.6" long) (Order the following parts - 1 SHAFT 636 665 C1 1 SPACER 636 660 C1 1 SPACER 636 661 C1 1 SPACER 636 662 C1 1 RING 252 878 R1)
2A	636 663 C1	CAP, track idler (Used w/SHAFT, 636 665 C1 or 636 659 C1)	9	345 757 R1	SHAFT, rear track idler (Idler B) (16.25" long) (Order the following parts - 1 SHAFT 636 659 C1 1 SPACER 636 660 C1 1 SPACER 636 661 C1 1 SPACER 636 662 C1 1 RING 252 878 R1)
	24 861 R1	BOLT (4)			
	116 121	WASHER, lock (4)			
3	610 412 C1	RING, sealing			
4	345 758 R1	NUT, track idler adjusting (Used w/SHAFT, 617 408 C1 or 345 757 R1)			
	103 402	PIN, cotter			

SUSPENSION

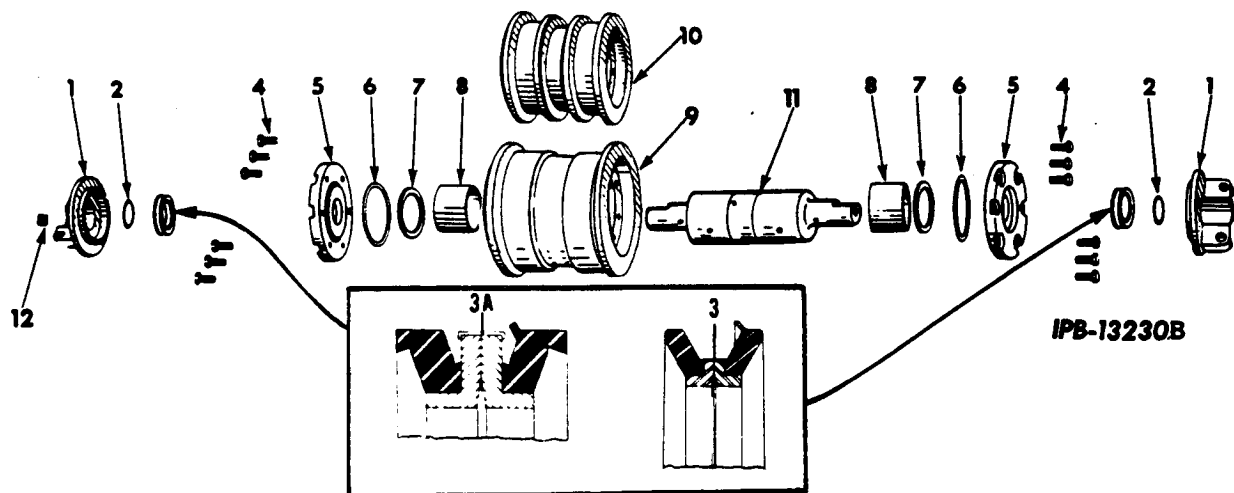
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRACK IDLER - Continued					
9A	636 665 C1	SHAFT, front track idler (Idler A) (22.7" long)			
9A	636 659 C1	SHAFT, rear track idler (Idler B) (15.42" long)			
10	604 187 C91	SEAL w/two WIPERS and instruction PAMPHLET, oil			
10	606 133 C91	PACKAGE, oil seal service (Consists of two rubber seal RINGS, two WIPERS, two retainer BANDS and instruction PAMPHLET) (For servicing SEAL, 604 187 C91) (x)			
10	606 628 C91	PACKAGE, reunitization band service (Consists of 50 retainer BANDS) (For servicing SEAL, 604 187 C91) (x)			
11	345 695 R1	RETAINER, track idler seal			
12	22 410 R1	RING, idler shaft sealing			
13	347 629 R1	RING, track idler shaft snap			
14	603 360 C1	WASHER, track idler bracket thrust			
15	316 551 R1	WASHER, rear track idler shaft (Not part of IDLER ASSY.)(Idler B)			
16	20 721 R1	NUT, track idler shaft (Not part of IDLER ASSY.)			
17	636 660 C1	SPACER, bearing (.088") (Used w/ SHAFT, 636 665 C1 or 636 659 C1)			
17	636 661 C1	SPACER, bearing (.091") (Used w/ SHAFT, 636 665 C1 or 636 659 C1) (X)			
17	636 662 C1	SPACER, bearing (.094") (Used w/ SHAFT, 636 665 C1 or 636 659 C1) (X)			
18	252 878 R1	RING, retaining (Used w/SHAFT, 636 665 C1 or 636 659 C1)			

(X) - As Required.

SUSPENSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRACK ROLLERS



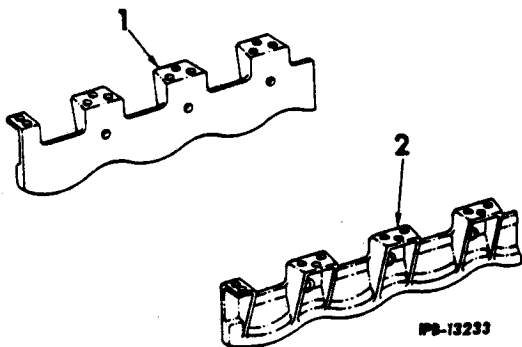
A	700 061 C96	ROLLER ASSY., track (Single flange — not for Arctic Power Shift) (6)	3A	665 974 C91	PACKAGE, oil seal service (Consists of two rubber seal RINGS, two WIPERS, two retainer BANDS and instruction PAMPHLET) (For servicing SEAL, 655 973 C91) (x)
B	650 435 C94	ROLLER ASSY., track (Single flange — for Arctic Power Shift) (6)	3A	655 972 C91	PACKAGE, reunitionization band service (Consists of 50 retainer BANDS) (For servicing SEAL, 655 973 C91) (x)
C	700 062 C96	ROLLER ASSY., track (Double flange — not for Arctic Power Shift) (8)	4	24 861 R1 25 536 R1	BOLT, track roller retainer (12) WASHER, flat (12)
D	650 434 C94 25 965 R1	ROLLER ASSY., track (Double flange — for Arctic Power Shift) (8) SCREW, hex-hd cap (56)	5	345 814 R2	RETAINER, track roller (2)
1	617 185 C1 19 885 R1	BRACKET, track roller shaft (2) PIN, roller shaft bracket (2)	6	610 412 C1	"O" RING, track roller sealing (2)
2	22 408 R1	"O" RING, track roller retainer (2)	7	624 175 C2	WASHER, thrust (2)
3	604 186 C91	SEAL w/two WIPERS, and instruction PAMPHLET, oil (Order SEAL, 665 973 C91 or SEAL, 662 591 C91) (2)	8	345 817 R3	BUSHING, track roller shaft (Standard) (2)
3	606 132 C91	PACKAGE, oil seal service (Consists of two rubber seal RINGS, two WIPERS, two retainer BANDS and instruction PAMPHLET) (For servicing SEAL, 604 186 C91 and SEAL, 662 591 C91) (x)	8	620 035 C1	BUSHING, track roller shaft (.030" oversize) (x)
3	606 625 C91	PACKAGE, reunitionization band service (Consists of 50 retainer BANDS) (For servicing SEAL, 604 186 C91 and SEAL, 662 591 C91) (x)	9	345 821 R94	ROLLER w/two BUSHING, 345 817 R3, track (Rollers A and B)
3A	655 973 C91	SEAL w/two WIPERS and instruction PAMPHLET, oil (2)	10	703 525 C94	ROLLER, w/two BUSHING, 345 817 R3, track (Rollers C and D)
3A	or 662 591 C91	SEAL, w/two WIPERS and instruction PAMPHLET, oil (2)	11	662 785 C1	SHAFT, track roller
			12	270 835 R1	PLUG, track roller shaft lubrication
					(x) - As Required.

SUSPENSION

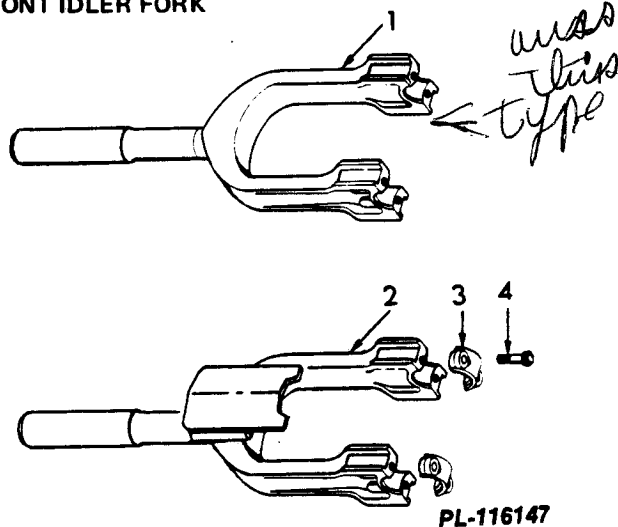
REF. NO.	PART NUMBER	DESCRIPTION
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REF. NO.	PART NUMBER	DESCRIPTION
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TRACK ROLLER SHIELD



FRONT IDLER FORK



	700 047 C91	ATTACHMENT, track roller shield (See NOTE 3)	
1	617 607 C1 25 849 R1 277 606 R1	SHIELD, track roller, LH (4) SCREW, hex-hd cap (44) WASHER (Hardened) (44)	
2	617 608 C1 25 849 R1 277 606 R1	SHIELD, track roller, RH (4) SCREW, hex-hd cap (44) WASHER (Hardened) (44)	

NOTE 3 - Field Application - Order through Regular Service Parts Channels.

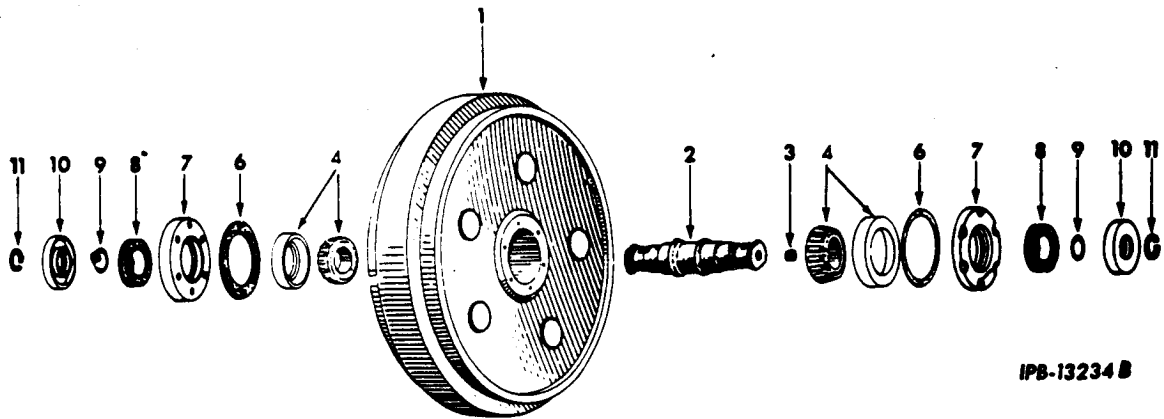
A	700 478 C92	FORK ASSY w/o COVER, front idler (Order FORK ASSY, 740 259 C92) (2)	
B	740 259 C92	FORK ASSY w/COVER, front idler (2)	
	118 001	KEY, front idler fork (2)	
1		FORK w/o COVER (Not furnished separately) (A)	
2		FORK w/COVER (Not furnished separately) (B)	
3	263 257 R4	CAP, front idler fork (2)	
4	25 872 R1 277 606 R1	BOLT (4) WASHER (4)	
	679 050 C91	PACKAGE, idler fork cover improvement (For FORK ASSY, 700 478 C92) (Consists of one COVER and one DRAWING) (See NOTE 3)	

NOTE 3 - Field Application - Order through Regular Service Parts Channels.

SUSPENSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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FRONT IDLER



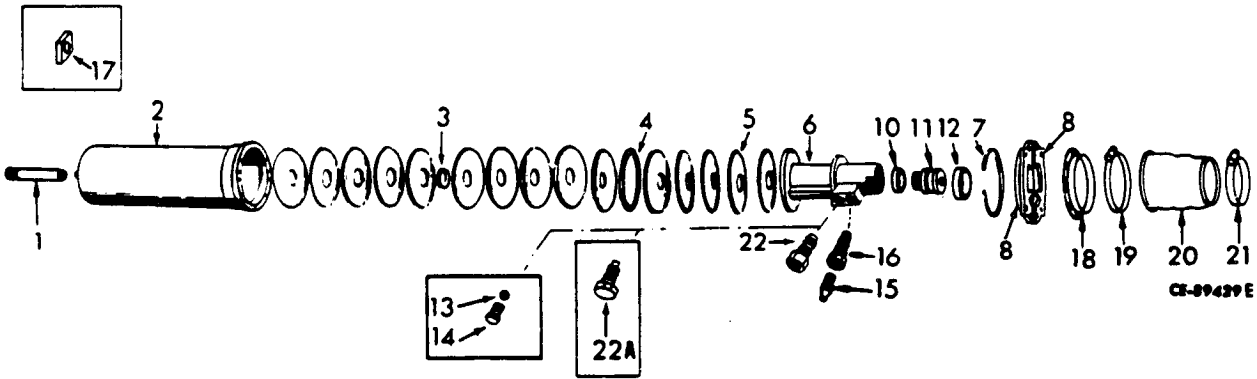
1	700 477 C3	IDLER, front (2)	8	604 187 C91	SEAL w/two WIPERS and instruction PAMPHLET, oil (4)
2	617 410 C3	SHAFT, front idler (2)	8	606 133 C91	PACKAGE, oil seal service (Consists of two rubber seal RINGS, two WIPERS, two retainer BANDS and instruction PAMPHLET) (For servicing SEAL, 604 187 C91) (x)
3	270 835 R1	PLUG, csk-hdls pipe (2)	8	606 628 C91	PACKAGE, reunition band service (Consists of 50 retainer BANDS) (For servicing SEAL, 604 187 C91) (x)
4	679 415 C91	BEARING, front idler tapered (Replaces CONE, 617 412 C91 and CUP, 617 413 C1) (4)	9	298 376 R1	RING, front idler shaft sealing (4)
6	617 414 C1	SHIM, front idler bearing retainer (.015") (8)	10	345 695 R1	RETAINER, oil seal (4)
6	617 415 C1	SHIM, front idler bearing retainer (.0075") (4)	11	347 629 R1	RING, seal retainer snap (4)
6	617 416 C1	SHIM, front idler bearing retainer (.004") (2)			
7	617 417 C2	RETAINER, front idler bearing (4)			
	24 862 R1	SCREW, hex-hd cap (24)			
	116 121	WASHER, lock (24)			

(X) - As Required.

SUSPENSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRACK SPRING



1	304 774 R1	BOLT, retainer (2)	12	702 473 C1	WIPER, hydraulic track adjuster (2)
2	261 564 R94	HOUSING, w/BOLT, 304 774 R1, track spring (Together w/two PLATE, 655 993 C1, will work for HOUSING, 261 564 R93) (2)	13	17 012 R1	BALL, manifold pressure valve (Used w/CYLINDER ASSY, 703 564 C91) (Replaces 16 012 R1) (2)
3	251 997 R1	SPACER, track spring plate, inner (10)	14	311 070 R1	BOLT, manifold pressure valve ball retainer (Used w/CYLINDER ASSY, 703 546 C91) (2)
4	251 996 R2	SPACER, track spring plate, outer (10)	15	109 461	FITTING, track adjuster lubrication (2)
5	251 995 R4	SPRING, track (110)	16	319 628 R91	CHECK, ball (2)
6	703 564 C92	CYLINDER ASSY, track adjuster (2) (Composed of - 1 CHECK 319 628 R91 1 CYLINDER 1 FITTING 109 461 1 VALVE 707 270 C91)	17	304 674 R1	STOP, track spring housing rotation (Used w/HOUSING, 261 564 R93) (2) 3345 and below
	20 979 R1	PLUG, sq-soc. pipe (2)	18	617 404 C1	SUPPORT, rear track adjuster seal (2)
7	252 000 R1	RING, track spring retainer (2)	19	21 895 R1	CLAMP, boot (rear) (2)
8	655 993 C1	PLATE, track spring housing cover (Will work for PLATE, 269 330 R92, or PLATE, 267 238 R92) (4)	20	617 405 C1	BOOT, track spring (2)
	25 797 R1	SCREW, hex-hd cap (20)	21	21 894 R1	CLAMP, boot (front) (2)
	115 314	WASHER, lock (20)	22	707 270 C91	VALVE, relief hydraulic track adjuster bleeder (Optional w/VALVE, 319 628 R91) (Will work for VALVE, 700 171 C92, 662 613 C91 and 662 799 C1) (Not used w/CYLINDER, 703 564 C91) (2)
10	739 213 C1	SEAL, hydraulic track adjuster (Replaces, 702 472 C1) (2)			
11	624 742 C92	PISTON, w/SEAL, 702 472 C1, and two RING, 322 768 R1, hydraulic track adjuster (Order PISTON, 629 258 C1, SEAL, 702 472 C1, two RING, 322 768 R1, and RING, 615 901 C1) (2) Manual Shift 2299 and below Power Shift 2277 and below			
11	629 258 C1	PISTON, hydraulic track adjuster (2) Manual Shift 2300 and up Power Shift 2278 and up			
	322 768 R1	RING, guide (4)			
	615 901 C1	RING, piston seal retainer (2)			

§ - Not Furnished Separately.

SUSPENSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRACK SPRING - Continued					
22A	319 628 R91	CHECK, ball (Optional w/VALVE, 707 270 C91) (Together w/PLUG, 50 410 DA, will work for VALVE, 700 171 C92, 662 613 C91 and 662 799 C1) (Not used w/CYLIN- DER, 703 564 C91) (2)			
	50 410 DA	PLUG, ball check (2)			
	443 767	PIN, 1/4 x 1/2" dowel (2)			
	18 489 R1	NUT, Esna stop (2)			
	446 301	WASHER, track spring retainer nut (2)			
	703 565 C94	SPRING ASSY., track (2) (Composed of -			
	10	BOLT		25 797 R1	
	1	BOOT		617 405 C1	
	1	CLAMP		21 894 R1	
	1	CLAMP		21 895 R1	
	1	CYLINDER		703 564 C92	
	1	HOUSING		261 564 R94	
	2	PLATE		655 993 C1	
	1	RING		252 000 R1	
	5	SPACER		251 996 R2	
	5	SPACER		251 997 R1	
	55	SPRING		251 995 R4	
	1	SUPPORT		617 404 C1)	
	10	WASHER		115 314)	

**REFER TO ALPHABETICAL INDEX
FOR COMPLETE LISTING OF PARTS**

WHEELS AND TRACTION 15

WHEELS AND TRACTION

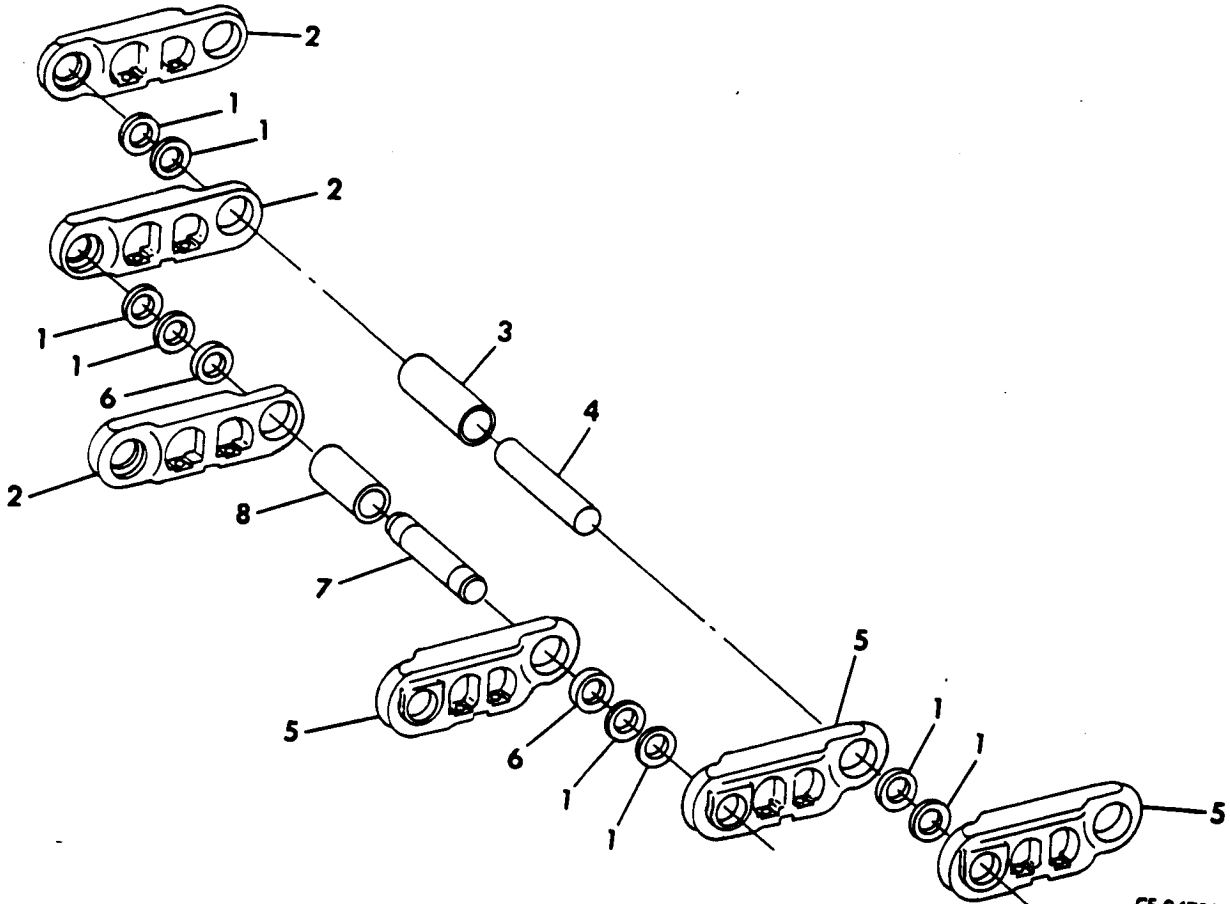
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRACK CHAIN WITH SHOES					
700 043 C92		CHAIN, track (22" clipped corner shoe) (*) (Composed of -			
	4 BOLT	740 568 C1			
	148 BOLT	616 218 C1			
	1 CHAIN	617 089 C93			
	148 NUT	616 217 C1			
	38 SHOE	616 117 C2)			
700 495 C92		CHAIN, track (22" clipped corner shoe - Severe Service) (*) (Composed of -			
	4 BOLT	740 568 C1			
	148 BOLT	616 218 C1			
	1 CHAIN	617 089 C93			
	148 NUT	616 217 C1			
	38 SHOE	617 277 C1)			
700 044 C92		CHAIN, track (24" clipped corner shoe) (*) (Composed of -			
	4 BOLT	740 568 C1			
	148 BOLT	616 218 C1			
	1 CHAIN	617 089 C93			
	148 NUT	616 217 C1			
	38 SHOE	617 277 C1)			
628 194 C92		CHAIN, track (24" clipped corner shoe - Severe Service) (*) (Composed of -			
	4 BOLT	740 568 C1			
	148 BOLT	616 218 C1			
	1 CHAIN	617 089 C93			
	148 NUT	616 217 C1			
	38 SHOE	617 277 C1)			
700 045 C92		CHAIN, track (26" clipped corner shoe) (*) (Composed of -			
	4 BOLT	740 568 C1			
	148 BOLT	616 218 C1			
	1 CHAIN	617 089 C93			
	148 NUT	616 217 C1			
	38 SHOE	617 277 C1)			
700 046 C92		CHAIN, track (28" clipped corner shoe) (*) (Composed of -			
	4 BOLT	740 568 C1			
	148 BOLT	616 218 C1			
	1 CHAIN	617 089 C93			
	148 NUT	616 217 C1			
	38 SHOE	617 277 C1)			

(*) - Above Chains Service One Side of Tractor. Order Two of Any Above Chains to Service Both Sides of Tractor.

WHEELS AND TRACTION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRACK CHAIN W/MASTER PIN (7 Roller)

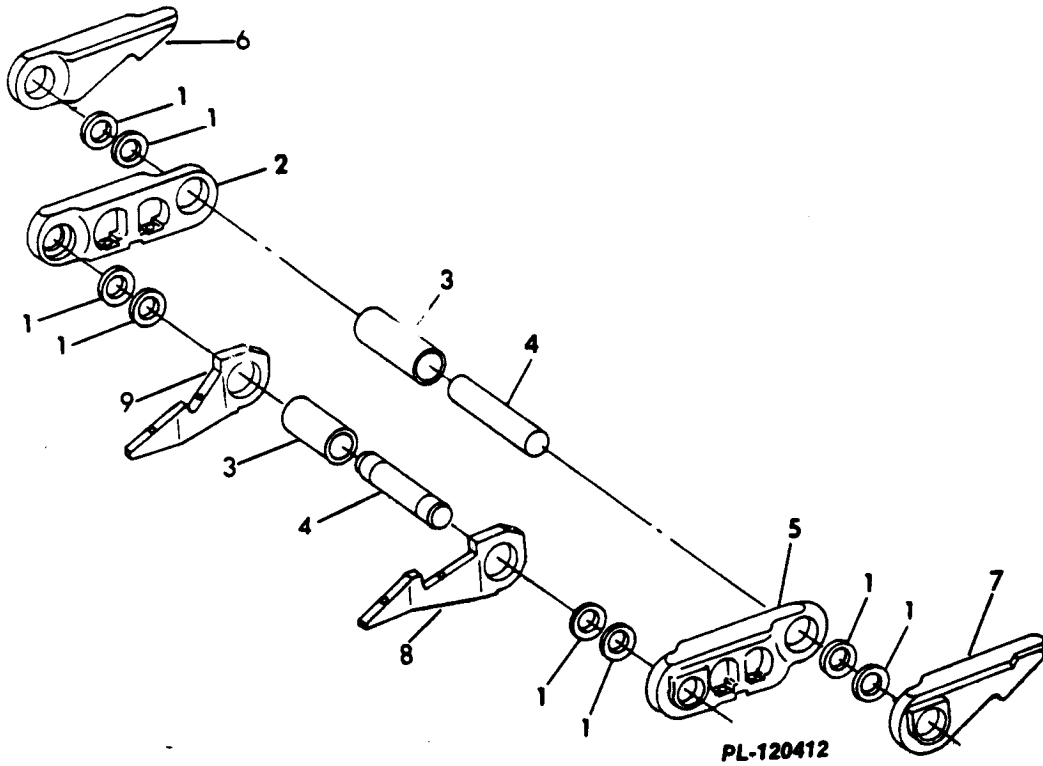


	617 089 C92	CHAIN ASSY., track (Order CHAIN, 617 089 C93) (2)		739 358 C91	PACKAGE, track pin (Consists of 74 PIN, 314 842 R1) (Services 2 CHAIN ASSY., 617 089 C92)
1	616 212 C1	SEAL, track chain (152)		739 359 C91	PACKAGE, track bushing (Consists of 74 BUSHING, 314 840 R1) (Services 2 CHAIN ASSY., 617 089 C92)
2	616 210 C3	LINK, track LH (38)		739 360 C91	PACKAGE, track seal (Consists of 304 SEAL, 616 212 C1) (Services 2 CHAIN ASSY., 617 089 C92)
3	314 840 R1	BUSHING, track link (37)			
4	314 842 R1	PIN, track link (37)			
5	616 211 C3	LINK, track RH (38)			
6	616 214 C1	SPACER, track master bushing (2)			
7	616 215 C1	PIN, track master			
8	314 841 R1	BUSHING, track master			

WHEELS AND TRACTION

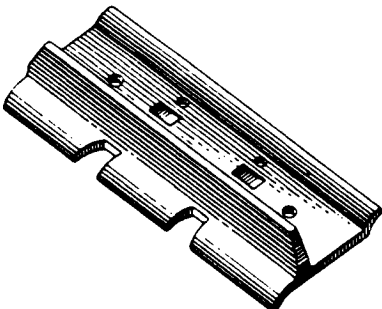
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRACK CHAIN w/SPLIT MASTER LINK



	617 089 C93	CHAIN ASSY., track (2)		5	616 211 C3	LINK, track RH
1	616 212 C1	SEAL, track chain (152)		6	740 533 C1	LINK, track LH (Tapped)
2	616 210 C3	LINK, track LH (37)		7	740 534 C1	LINK, track RH (Tapped)
3	314 840 R1	BUSHING, track link (38)		8	740 536 C1	LINK, track RH
4	314 842 R1	PIN, track link (38)		9	740 535 C1	LINK, track LH

WHEELS AND TRACTION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRACK SHOES (Clipped Corner) (Regular)			700 130 C91		ATTACHMENT, track shoe (Includes 76 SHOE, 316 795 R2, 304 BOLT, 616 218 C1, and 304 NUT, 616 217 C1) (See NOTE 4)
			700 131 C91		ATTACHMENT, track shoe (Includes 76 SHOE, 316 796 R2, 304 BOLT, 616 218 C1, and 304 NUT, 616 217 C1) (See NOTE 4)
			700 136 C91		ATTACHMENT, track shoe (Severe Service) (Includes 76 SHOE, 617 276 C1, 304 BOLT, 616 218 C1, and 304 NUT, 616 217 C1) (See NOTE 4)
Clipped corner <i>IPA-60797</i>			700 137 C91		ATTACHMENT, track shoe (Severe Service) (Includes 76 SHOE, 617 277 C1, 304 BOLT, 616 218 C1, and 304 NUT, 616 217 C1) (See NOTE 4)
616 117 C2		SHOE, track, 22" (Standard, also part of ATTACHMENT, 700 133 C91) (76)	624 405 C91		ATTACHMENT, track shoe (Severe Service) (Not used in ripping) (Includes 76 SHOE, 617 278 C1, 304 BOLT, 616 218 C1, and 304 NUT, 616 217 C1) (See NOTE 4)
603 423 C2		SHOE, track, 24" (Part of ATTACHMENT, 700 129 C91) (76)	624 691 C91		PACKAGE, track shoe bolt and nut field service (Consists of KEG, 304 BOLT, 616 218 C1, and 304 NUT, 616 217 C1) (See NOTE 4)
316 795 R2		SHOE, track, 26" (Part of ATTACHMENT, 700 130 C91) (76)			
316 796 R2		SHOE, track, 28" (Part of ATTACHMENT, 700 131 C91) (76)			
617 276 C1		SHOE, track, 20" (Severe Service) (Part of ATTACHMENT, 700 136 C91) (76)			
617 277 C1		SHOE, track, 22" (Severe Service) (Part of ATTACHMENT, 700 137 C91) (76)			
617 278 C1		SHOE, track, 24" (Severe Service) (Part of ATTACHMENT, 624 405 C91) (76)			
616 218 C1		BOLT, track shoe (304 used on track chain w/master pin)(296 used on track chain w/split master link)			
740 568 C1		BOLT, track shoe (Used on track chain w/split master link) (8)			
616 217 C1		NUT, track shoe (304 used on track chain w/master pin) (296 used on track chain w/split master link)			
700 133 C91		ATTACHMENT, track shoe (Includes 76 SHOE, 616 117 C2, 304 BOLT, 616 218 C1, and 304 NUT, 616 217 C1) (See NOTE 4)			
700 129 C91		ATTACHMENT, track shoe (Includes 76 SHOE, 603 423 C2, 304 BOLT, 616 218 C1, and 304 NUT, 616 217 C1) (See NOTE 4)			

NOTE 4 - Attachment No Longer Available. Service Parts Will Be Furnished.

NOT USED ON THIS MACHINE

BODY-BOWL

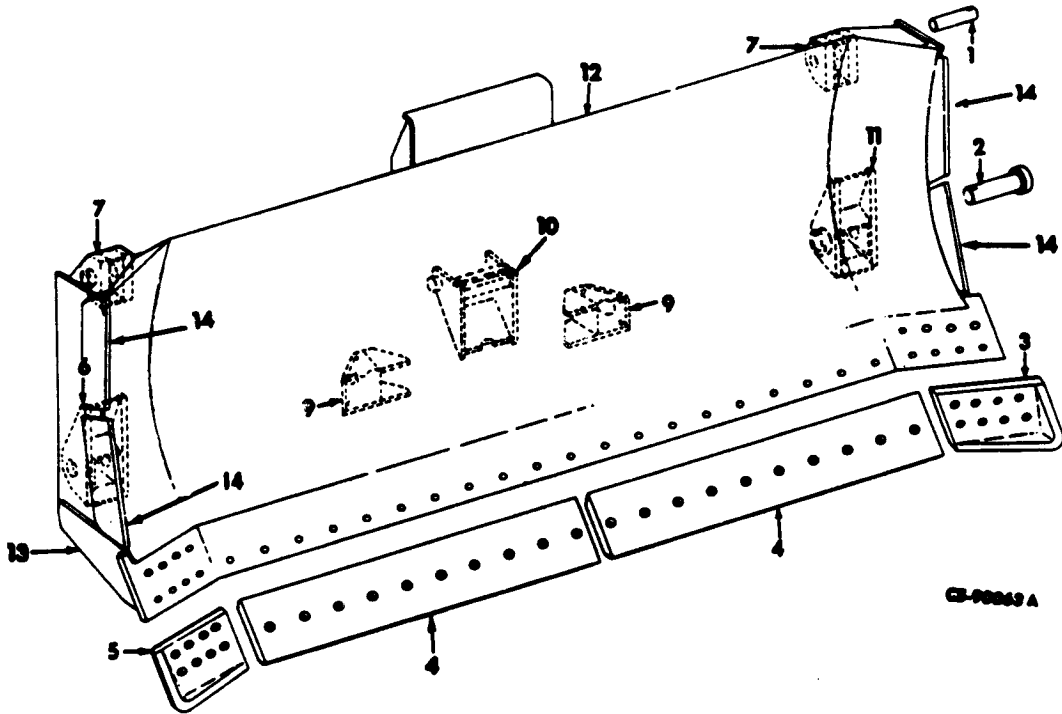
16

**REFER TO ALPHABETICAL INDEX
FOR COMPLETE LISTING OF PARTS**

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BULLDOZER BLADE (MODEL D-3)
(Semi "U" Blade)



1	317 454 R1 9 413 960 220 083	PIN, strut (2) NUT, stover lock (2) SCREW, hex-hd cap (2)	5	646 329 C1 321 351 R1 220 083	BIT, R.H. end BOLT, No. 3 plow (8) NUT (8)
2	614 580 C1 9 413 962 20 276 R1	PIN, push arm bracket (2) NUT, stover lock (2) SCREW, hex-hd cap (2)	5	625 724 C1 321 351 R1 220 083	BIT, cast steel R.H. end (Part of ATTACHMENT, 628 396 C91) BOLT, plow (8) NUT (8)
3	614 578 C1 323 670 R1 220 083	BIT, L.H. end (order BIT, 646 328 C1) and 8 BOLT, 321 351 R1) BOLT, No. 3 plow (8) NUT (8)	6	700 719 C1	BRACKET, R.H. push arm
3	646 328 C1 321 351 R1 220 083	BIT, L.H. end BOLT, No. 3 plow (8) NUT (8)	7	700 720 C1	BRACKET, upper strut (2)
3	625 723 C1 321 351 R1 220 083	BIT, cast steel L.H. end (Part of ATTACHMENT, 628 396 C91) BOLT, plow (8) NUT (8)	9	319 069 R2	SOCKET, diagonal strut (2)
4	623 979 C1 321 351 R1 220 083	EDGE, cutting (2) BOLT, No. 3 plow (20) NUT (20)	10	700 831 C1	BRACKET, cable lift
5	614 579 C1 323 670 R1 220 083	BIT, R.H. end (order BIT, 646 329 C1, and 8 BOLT, 321 351 R1) BOLT, No. 3 plow (8) NUT (8)	11	700 718 C1	BRACKET, L.H. push arm
			12	700 723 C92	BLADE w/ cutting EDGE ASSY (Composed of - 1 BIT 646 328 C1 1 BIT 646 329 C1 § 1 BLADE 20 BOLT 321 351 R1 1 BRACKET 700 719 C1 1 BRACKET 700 720 C1 1 BRACKET 700 831 C1 4 CUTTER 618 090 C1 2 EDGE 623 979 C1

§ - Not Furnished Separately.

MOUNTED EQUIPMENT

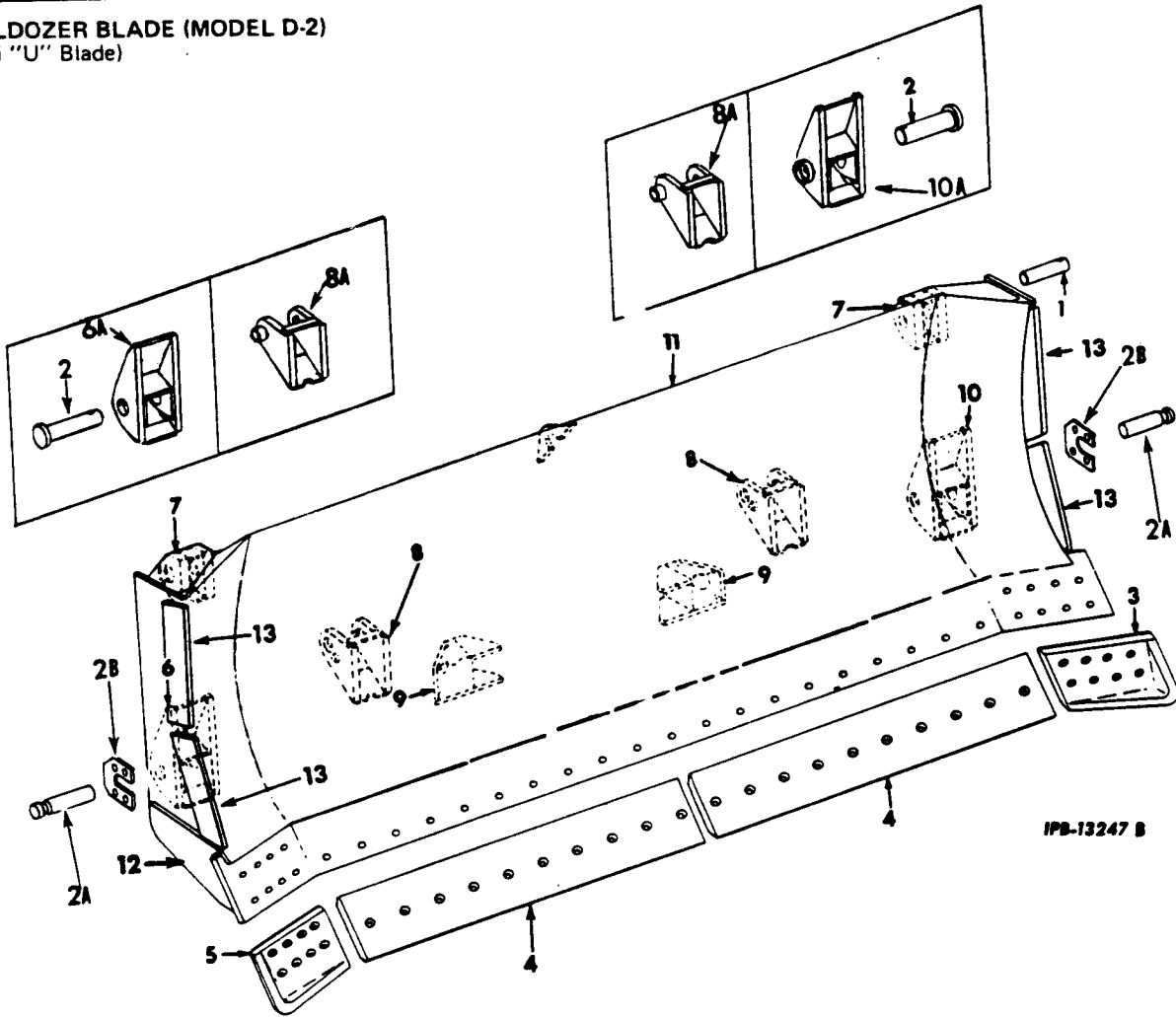
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BULLDOZER BLADE (MODEL D-3) - Continued (Semi "U" Blade)					
12	700 723 C92	BLADE w/cutting EDGE ASSY - Continued (Composed of -			
		2 FITTING	126	152	
		1 BRACKET	700	718 C1	
		16 BOLT	323	670 R1	
		2 PLATE	614	559 C1	
		2 SOCKET	319	069 R2	
		36 NUT	220	083)	
13	614 559 C1	PLATE, wear (2)			
14	618 090 C1	CUTTER, side (4)			
	126 152	FITTING, lubrication 1/8"			
	628 396 C91	ATTACHMENT, cast steel end bit (Consists of BIT, 625 723 C1 and BIT, 625 724 C1) (See NOTE 3)			

NOTE 3 - Field Application - Order
Through Regular Service
Parts Channels.

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BULLDOZER BLADE (MODEL D-2)
(Semi "U" Blade)



IPB-13247 B

1	317 454 R1	PIN, strut (2)	4	623 979 C1	EDGE, cutting (2)	
	9 412 231	NUT, lock (2)		321 351 R1	BOLT, No. 3 plow (20)	
	24 882 R1	SCREW, hex-hd cap (2)		25 531 R1	NUT (20)	
2	614 580 C1	PIN, push arm bracket (Used with BLADE, 700 733 C95, 700 733 C96 and 717 520 C91) (2)	5	614 579 C1	BIT, R.H. end (order BIT, 646 329 C1, and 8 BOLT, 321 351 R1)	
	20 276 R1	BOLT (2)		323 670 R1	BOLT, No. 3 plow (8)	
	9 413 962	NUT, stover lock (2)		25 531 R1	NUT (8)	
2A	710 480 C1	PIN, push arm bracket (Used with BLADE, 711 810 C91) (2)	5	646 329 C1	BIT, R.H. end	
2B	710 489 C1	RETAINER, push arm pin (Used with BLADE, 711 810 C91) (2)		321 351 R1	BOLT, No. 3 plow (8)	
	24 874 R1	BOLT (8)		25 531 R1	NUT (8)	
3	614 578 C1	BIT, L.H. end (order BIT, 646 328 C1, and 8 BOLT, 321 351 R1)	5	625 724 C1	BIT, cast steel R.H. end (Part of ATTACHMENT, 628 396 C91)	
	323 670 R1	BOLT, No. 3 plow (8)		321 351 R1	BOLT, plow (8)	
	25 531 R1	NUT (8)		25 531 R1	NUT (8)	
3	646 328 C1	BIT, L. H. end	6	710 482 C1	BRACKET, RH push arm (Part of BLADE, 711 810 C91)	
	321 351 R1	BOLT, No. 3 plow (8)		6A	700 719 C1	BRACKET, RH push arm (Part of BLADE, 700 733 C95, 700 733 C96 and 717 520 C91)
	25 531 R1	NUT (8)		7	700 720 C1	BRACKET, upper strut (2)
3	625 723 C1	BIT, cast steel L.H. end (Part of ATTACHMENT, 628 396 C91)				
	321 351 R1	BOLT, plow (8)				
	25 531 R1	NUT (8)				

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BULLDOZER BLADE (MODEL D-2) - Continued (Semi "U" Blade)					
8	717 514 C1	BRACKET, lift cylinder bracket (Part of BLADE, 717 520 C91, 700 733 C96 and 711 810 C91) (2)	12	614 559 C1	PLATE, wear (2)
	24 871 R1	BOLT (2) (*)	13	618 090 C1	CUTTER, side (4)
	25 547 R1	WASHER (2) (*)		628 396 C91	ATTACHMENT, cast steel end bit (Consists of BIT, 625 723 C1 and BIT, 625 724 C1) (See NOTE 3)
9A	700 731 C1	BRACKET, lift cylinder bracket (Part of BLADE, 700 733 C95) (2) (Order the following parts - 1 BOLT 24 871 R1 1 BRACKET 717 514 C1 1 PIN 717 517 C1 1 WASHER 25 547 R1)			
9	319 069 R2 126 152	SOCKET, diagonal strut (2) FITTING, lube (2)			
10	710 481 C1	BRACKET, LH push arm (Part of BLADE, 711 810 C91)			
10A	700 718 C1	BRACKET, LH push arm (Part of BLADE, 700 733 C95, 700 733 C96 and 717 520 C91)			
11	700 733 C95	BLADE w/CUTTING EDGE ASSY. (Order the following parts - 1 BLADE 711 810 C91 8 BOLT 24 874 R1 2 PIN 710 480 C1 2 PIN 717 517 C1 2 RETAINER 710 489 C1)			
11	700 733 C96	BLADE w/CUTTING EDGE ASSY. (Order the following parts - 1 BLADE 711 810 C91 8 BOLT 24 874 R1 2 PIN 710 480 C1 2 RETAINER 710 489 C1)			
11	717 520 C91	BLADE w/CUTTING EDGE ASSY. (Order the following parts - 1 BLADE 711 810 C91 8 BOLT 24 874 R1 2 PIN 710 480 C1 2 RETAINER 710 489 C1)			
11	711 810 C91	BLADE w/CUTTING EDGE ASSY. (Composed of - 1 BIT 646 328 C1 1 BIT 646 329 C1 1 BLADE \$ 2 BOLT 24 871 R1 20 BOLT 321 351 R1 16 BOLT 328 670 R1 2 BRACKET 700 720 C1 1 BRACKET 710 481 C1 1 BRACKET 710 482 C1 2 BRACKET 717 514 C1 4 CUTTER 618 090 C1 2 EDGE 623 979 C1 36 NUT 25 531 R1 2 PLATE 614 559 C1 2 SOCKET 319 069 R2 2 WASHER 25 547 R1)			

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

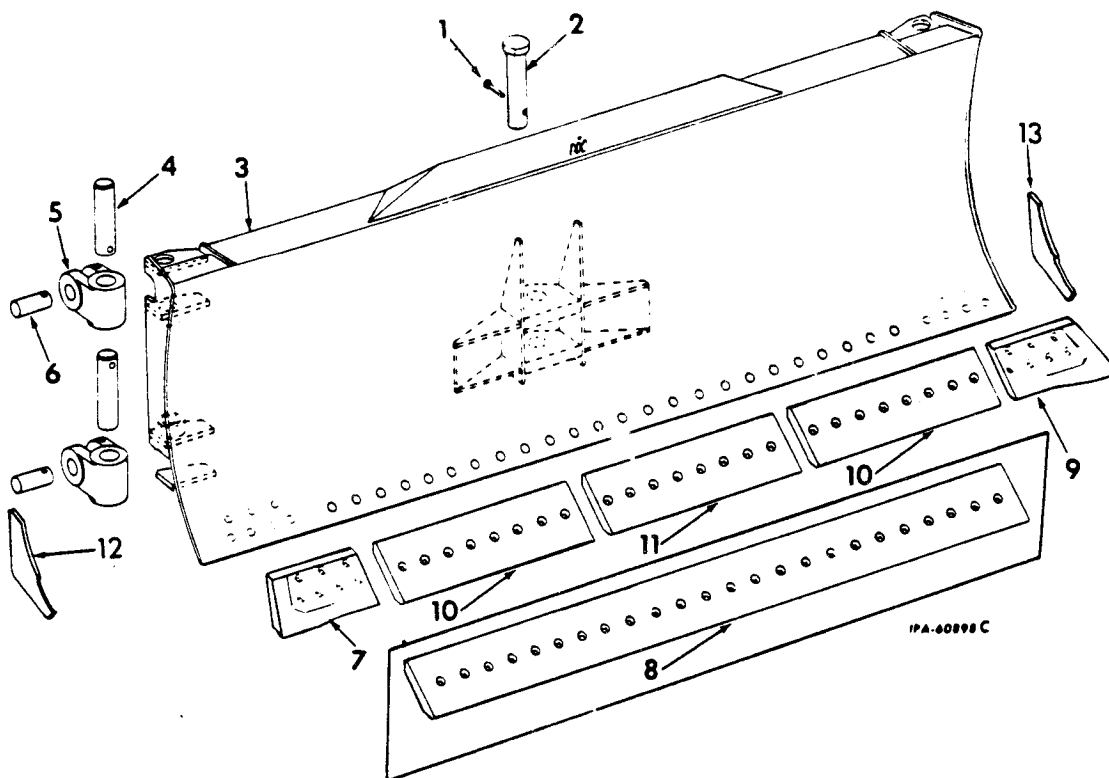
(*) - For retaining lift cylinder mounting pin. Also listed under "Blade Lift Cylinder Mounting."

(\$)- Not Furnished Separately.

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BULLGRADER BLADE (MODEL G-2 and G-3)



1	600 669 C1 137 185	PIN, rod end PIN, cotter	7	646 331 C1 323 670 R1 25 531 R1	BIT, R.H. end BOLT, plow (7) NUT (7)
2	600 670 C2	PIN, main	7	619 572 C1	BIT, cast steel R.H. end (Part of ATTACHMENT, 628 401 C91)
3	319 001 R93	BLADE ASSY (Composed of -	7	321 351 R1 220 083	BOLT, plow (7) NUT (7)
		1 BIT		646 330 C1	
		1 BIT		646 331 C1	
		s 1 BLADE	8	323 667 R1	EDGE, cutting (order EDGE, 623 976 C1 and two EDGE, 623 975 C1)
		24 BOLT		321 351 R1	BOLT, plow (24)
		14 BOLT		25 531 R1	NUT (24)
		1 EDGE	9	646 330 C1	BIT, L.H. end
		2 EDGE		323 670 R1	BOLT, plow (7)
		38 NUT		25 531 R1	NUT (7)
		1 PLATE	9	619 571 C1	BIT, cast steel L.H. end (Part of ATTACHMENT, 628 401 C91)
		1 PLATE		321 351 R1	BOLT, plow (7)
				220 083	NUT (7)
4	317 491 R1	PIN (4)	10	623 975 C1	EDGE, cutting (2)
9	412 231	NUT, stover lock (4)		321 351 R1	BOLT, plow (16)
	25 511 R1	SCREW, hex-hd cap (4)		25 531 R1	NUT (16)
5	317 490 R1	BAR, swivel (4)			
6	319 041 R1	PIN (4)			
9	412 230	NUT, stover lock (4)			
	25 593 R1	SCREW, hex-hd cap (4)			

s - Not Furnished Separately.

MOUNTED EQUIPMENT

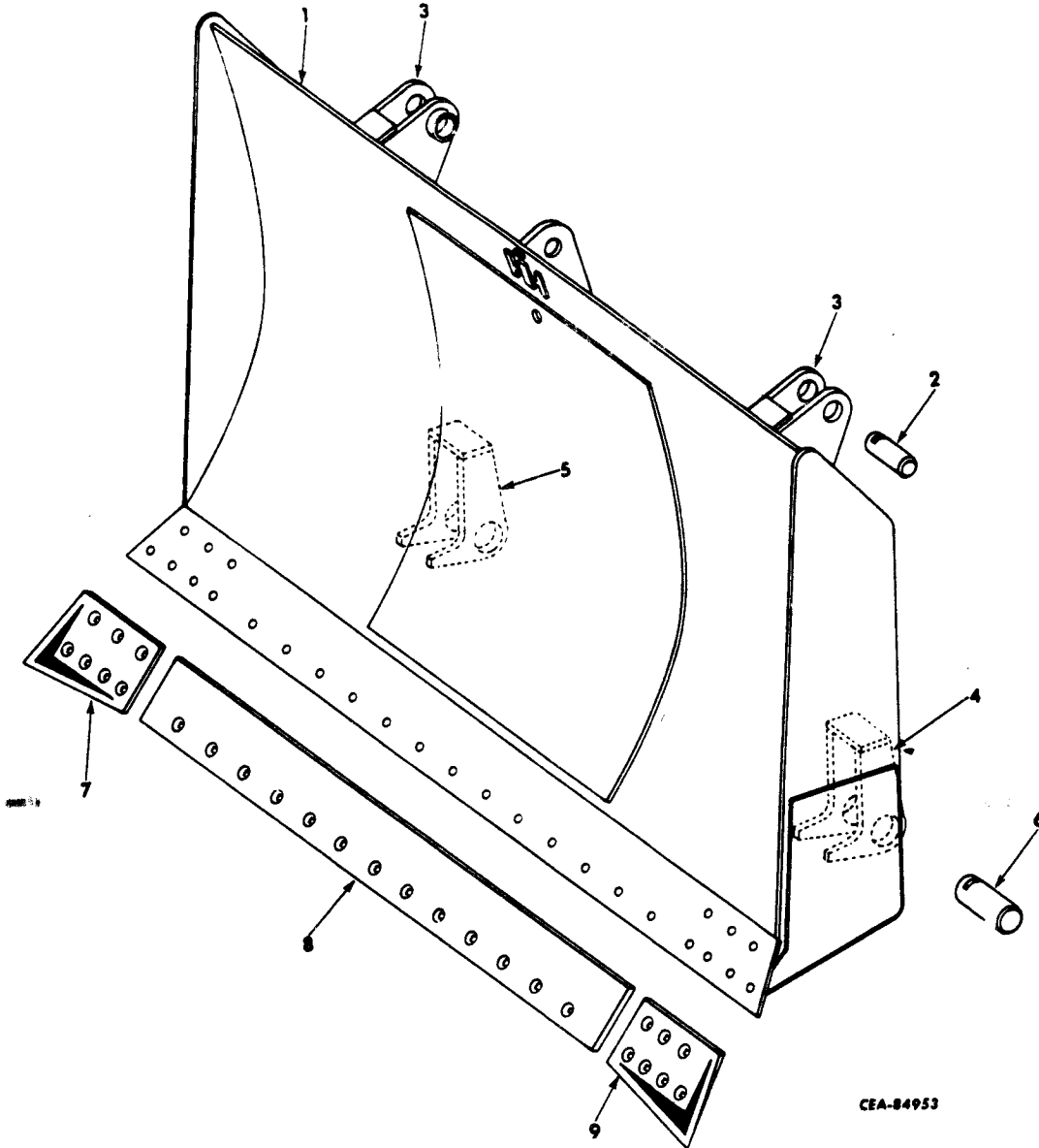
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BULLGRADER BLADE (MODEL G-2 and G-3) - Continued					
11	623 976 C1	EDGE, cutting			
	321 351 R1	BOLT, plow (8)			
	25 531 R1	NUT (8)			
12	319 032 R1	PLATE, end bit reinforcer R.H.			
13	319 031 R1	PLATE, end bit reinforcer L.H.			
	628 401 C91	ATTACHMENT, cast steel end bits (Consists of BIT, 619 571 C1 and BIT, 619 572 C1) (See NOTE 3)			

NOTE 3 - Field Application - Order
Through Regular Service
Parts Channels.

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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CUSHION DOZER BLADE



1	701 564 C91	BLADE ASSY (Composed of -			
		1 BIT		323 668 R1	
		1 BIT		323 669 R1	
		§ 1 BLADE			
		13 BOLT		321 351 R1	
		8 BOLT		323 670 R1	
		6 BOLT		342 284 R1	
		2 BRACKET		611 531 C91	
		1 EDGE		623 977 C1	
		1 PIVOT		611 535 C91	
		1 PIVOT		611 536 C91)	
			2	611 546 C1	PIN, cushion cylinder (2)
				104 942	PLUG, No. 6 cork (2)
				24 881 R1	SCREW, hex-hd cap (2)
			9	413 960	NUT, Stover lock (2)
			3	611 531 C91	BRACKET, cushion cylinder (2)
			4	611 535 C91	PIVOT, L.H. "C" frame
			5	611 536 C91	PIVOT, R.H. "C" frame

§ - Not Furnished Separately.

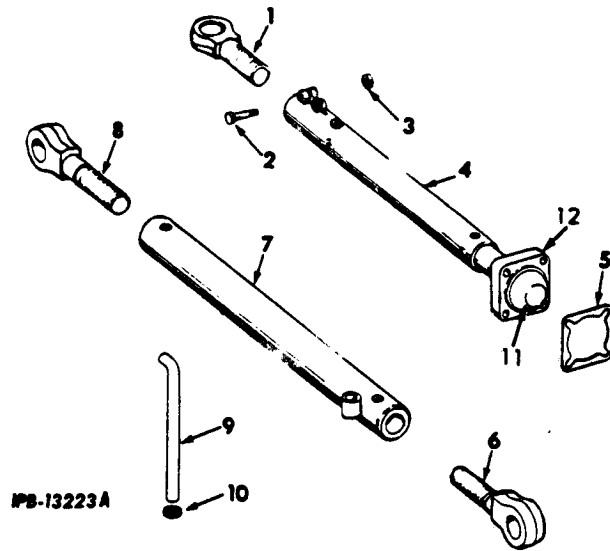
MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CUSHION DOZER BLADE - Continued					
6	342 615 R1	PIN, "C" frame bracket (2)			
	25 900 R1	SCREW, hex-hd cap (2)			
	9 413 962	NUT, Stover lock (2)			
7	619 572 C1	BIT, R.H. end			
	323 670 R1	BOLT, No. 3 plow (4)			
	342 284 R1	BOLT, No. 3 plow (3)			
	274 991	NUT (7)			
8	623 977 C1	EDGE, cutting			
	321 351 R1	BOLT, 1-8 x 3-1/4" No. 3 plow (13)			
	274 991	NUT (13)			
9	619 571 C1	BIT, L.H. end			
	323 670 R1	BOLT, 1-8 x 3-1/2" No. 3 plow (4)			
	342 284 R1	BOLT, 1-8 x 5-1/2" No. 3 plow (3)			
	274 991	NUT (7)			

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BULLDOZER STRUTS

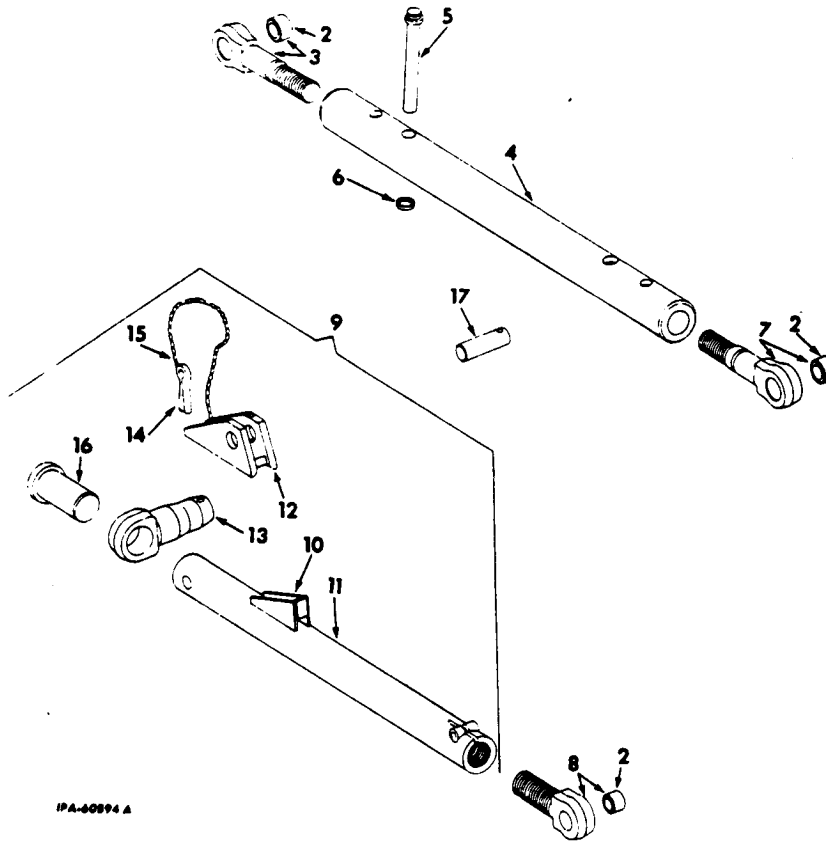


1	317 420 R1	EYEBOLT, diagonal strut (3-5/8"-12N-2A) (Used w/STRUT, 700 728 C2) (2)	5	317 386 R1	SHIM, socket cap (10)
1	717 775 C1	EYEBOLT, diagonal strut (3-5/8"-4UNC-3A) (Used w/STRUT, 717 773 C91) (2)	6	317 416 R2	EYEBOLT, front (LH thread) (2)
2	24 896 R1	BOLT (4)	7	317 414 R11	BODY w/TUBE, upper strut (2)
3	9 413 983	NUT, lock (4)	8	317 417 R2	EYEBOLT, rear (RH thread) (2)
4	700 728 C2	STRUT, w/CAP, 656 321 C1 and BALL, 605 631 C2, diagonal (3-5/8"-12N-2A) (Order STRUT, 717 773 C91 and EYEBOLT, 717 775 C1) (2)	9	317 415 R1	PIN, strut locking (2)
4	717 773 C91	STRUT w/CAP, 656 321 C1 and BALL, 605 631 C2, diagonal (3-5/8"-4UNC-3A) (Used w/EYEBOLT, 717 775 C1) (2)	10	M 73 125	COLLAR
	26 019 R1	BOLT (8)	11	605 631 C2	BALL (2)
	25 540 R1	WASHER, hardened (8)	12	656 321 C1	CAP (Replaces, 317 385 R1) (2)
				109 461	FITTING, lubrication (Used with upper strut) (4)

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BULLGRADER STRUTS

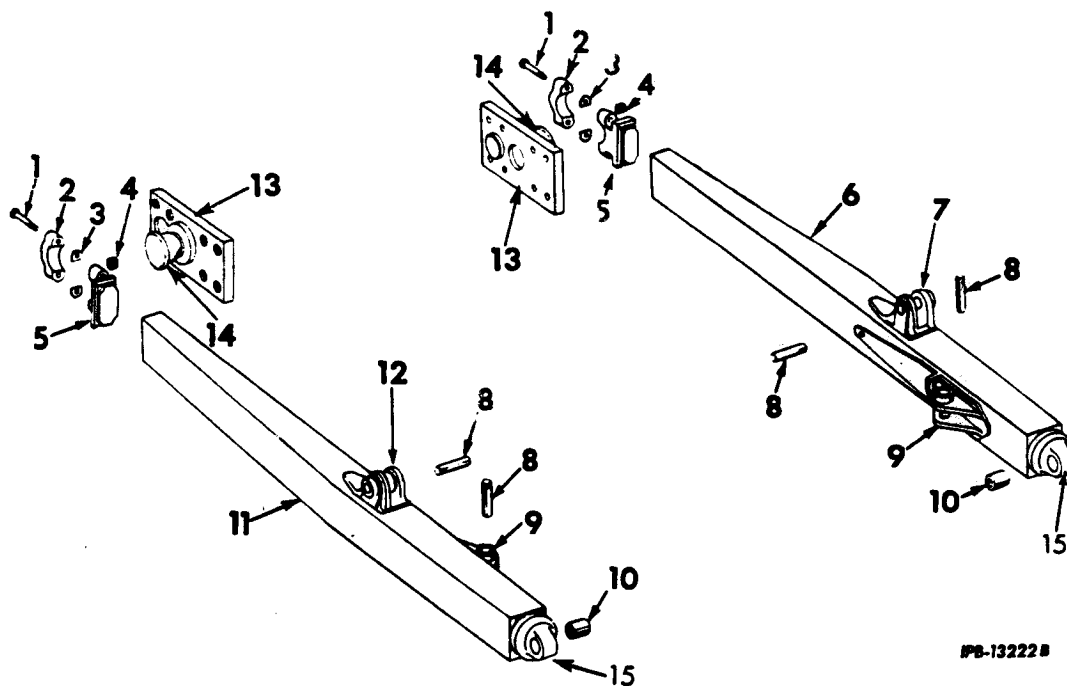


2	290 907 R2	BUSHING, eyebolt (6)		10	323 642 R11	RETAINER, strut locking (2)
3	294 236 R21	EYEBOLT w/BUSHING (2)		11	317 424 R21	BODY, lower strut (2)
4	317 422 R2	BODY, upper strut (2)		12	317 426 R91	BRACKET, lower strut (2)
5	323 644 R1	PIN, strut locking (2)		13	317 431 R1	TRUNNION, lower strut (2)
6	M 73125	TUBE, upper strut (4)		14	290 288 R1	PIN, cotter (2)
7	315 330 R11	EYEBOLT w/BUSHING, 290907 R2 (2)		15	290 287 R2	CHAIN, lower strut trunnion pin (2)
8	293 303 R11	EYEBOLT w/BUSHING, 290907 R2 (2)		16	317 432 R1	PIN, lower strut trunnion swivel (2)
9	317 423 R92	STRUT ASSY, lower (2) (Composed of -		17	317 434 R1	PIN, strut (2)
		1 BODY			9 413 956	NUT, stover lock (2)
		1 BRACKET			24 870 R1	SCREW, hex-hd cap (2)
		1 CHAIN			109 461	FITTING, 1/8" lubrication (Used with upper strut) (4)
		1 PIN			9 413 962	NUT, 3/4" stover lock (4)
		1 PIN			24 894 R1	SCREW, hex-hd cap (4)
		1 RETAINER				
		1 TRUNNION				

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BULLDOZER PUSH ARMS



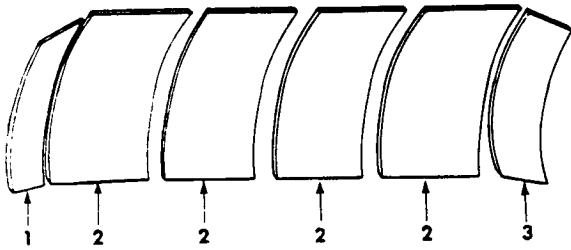
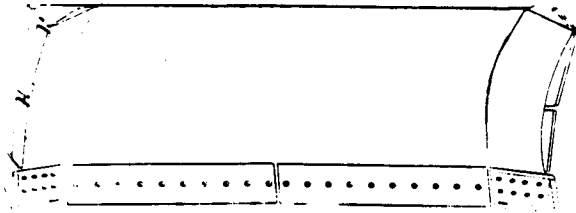
1	26 021 R1	SCREW, hex-hd cap (4)	9	323 664 R11	BRACKET, diagonal strut (2)
2	317 452 R1	CAP, trunnion bearing (2)	10	618 441 C1	BUSHING, push arm pivot (2)
3	317 453 R1	SHIM, trunnion bearing cap (16)	11	700 727 C91	ARM ASSY, R.H. push (Composed of -
4	317 456 R2	NUT, trunnion bearing cap (4)		§ 1 ARM	
5	317 442 R1	BEARING, trunnion (2)		1 BEARING	317 442 R1
6	700 726 C91	ARM ASSY, L.H. push (Composed of -		2 BOLT	26 021 R1
		§ 1 ARM		1 BRACKET	323 662 R91
		1 BEARING		1 BRACKET	323 664 R11
		1 BRACKET		1 BUSHING	618 441 C1
		1 BRACKET		1 CAP	317 452 R1
		1 CAP		2 NUT	317 456 R2
		2 NUT		1 PIVOT	614 585 C11
		1 PIVOT		8 SHIM	317 453 R1)
		8 SHIM			
7	323 661 R91	BRACKET, upper strut LH	12	323 662 R91	BRACKET, upper strut RH
8	317 454 R1	PIN, strut (4)	13	700 832 C93	BRACKET w/TRUNNION, 294 589 R3 (2)
9	413 960	NUT, stover lock (4)		25 894 R1	SCREW, hex-hd cap (16)
	24 882 R1	SCREW, hex-hd cap (4)	14	294 589 R4	TRUNNION (2)
			15	614 585 C11	PIVOT w/BUSHING, 618 441 C1 push arm (2)

§ - Not Furnished Separately.

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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MOLDBOARD WEAR PLATES
(For Bulldozer Blade)



- | | | |
|---|-------------|---|
| 1 | 626 229 C91 | PLATE, RH wing moldboard wear w/instructional drawing (x) |
| 2 | 626 227 C91 | PLATE, moldboard wear w/instructional drawing (x) |
| 3 | 626 228 C91 | PLATE, LH wing moldboard wear w/instructional drawing (x) |

(x) - As Required.

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BLADE CONVERSION					
647 933 C91		ATTACHMENT, blade conversion (Grader to Semi "U" Dozer) (See NOTE 2) (*) 5521 and 5522 5515 and below (Consists of -			2 SPACER M-73125 2 STRUT 717 773 C91 1 TUBE 623 325 C1 1 TUBE 700 834 C1 1 TUBE 701 669 C1 1 TUBE 701 671 C1)
		1 BLADE 711 810 C91 2 BODY 317 414 R11 8 BOLT 24 874 R1 6 BOLT 24 882 R1 4 BOLT 24 896 R1 8 BOLT 26 019 R1 1 CHART IZG-3745 1 DRAWING IZG-8787 2 EYEBOLT 717 775 C1 2 EYEBOLT 317 416 R2 2 EYEBOLT 317 417 R2 4 FITTING 109 461 2 FITTING 126 152 6 NUT 9 412 231 4 NUT 9 413 983 2 PIN 317 415 R1 6 PIN 317 454 R1 2 PIN 710 480 C1 1 PUSH ARM (LH) 700 726 C91 1 PUSH ARM (RH) 700 727 C91 2 RETAINER 710 489 C1 8 SHIM 317 386 R1 2 SPACER M-73125 2 STRUT 717 773 C91 1 TUBE 701 671 C1 1 TUBE 701 669 C1 1 TUBE 700 834 C1 1 TUBE 623 325 C1)	647 934 C91		ATTACHMENT, blade conversion (Semi "U" Dozer to Grader) (See NOTE 2) (*) 5521 and 5522 5515 and below (Consists of - 4 BAR 317 490 R1 1 BLADE 319 001 R93 2 BODY 317 422 R2 2 BOLT 24 870 R1 4 BOLT 24 894 R1 4 BOLT 25 293 R1 4 BOLT 25 511 R1 1 "C" FRAME 717 532 C91 1 CHART CZG-3160 1 DRAWING IZG-8787 2 EYEBOLT 293 303 R11 2 EYEBOLT 294 236 R21 2 EYEBOLT 315 330 R11 4 FITTING 109 461 6 NUT 9 412 230 4 NUT 9 412 231 4 NUT 9 413 962 1 PIN 137 185 2 PIN 317 434 R1 4 PIN 317 491 R1 4 PIN 319 041 R1 2 PIN 323 644 R1 1 PIN 600 669 C1 1 PIN 600 670 C1 1 PIN 717 517 C1 1 PRODUCT GRAPHIC 2 753 190 R1 2 STRUT 317 423 R92 4 SPACER M-73125 1 TUBE 701 670 C1 1 TUBE 701 672 C1 1 TUBE 623 326 C1 1 TUBE 700 846 C2)
632 402 C91		ATTACHMENT, blade conversion (Grader to Semi "U" Dozer) (See NOTE 2) (*) 5516 to 5520 and 5523 and up Consists of -			
		1 BLADE 711 810 C91 2 BODY 317 414 R11 8 BOLT 24 874 R1 6 BOLT 24 882 R1 4 BOLT 24 896 R1 8 BOLT 26 019 R1 1 CHART IZG-3745 1 CONNECTOR 9 410 207 1 DRAWING IZG-8787 2 EYEBOLT 317 416 R2 2 EYEBOLT 317 417 R2 2 EYEBOLT 717 775 C1 4 FITTING 109 461 2 FITTING 126 152 6 NUT 9 412 231 4 NUT 9 413 983 2 PIN 317 415 R1 6 PIN 317 454 R1 2 PIN 710 480 C1 1 PUSH ARM (LH) 700 726 C91 1 PUSH ARM (RH) 700 727 C91 2 RETAINER 710 489 C1 8 SHIM 317 386 R1			

(*) - Parts listed and illustrated throughout catalog.

NOTE 2 - Field Application - Order on machine order form.

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BLADE CONVERSION - Continued

632 403 C91	ATTACHMENT, blade conversion (Semi "U" Dozer to Grader) (See NOTE 2) (*) 5516 to 5520 and 5523 and up (Consists of -	
	4 BAR	317 490 R1
	1 BLADE	319 001 R93
	2 BODY	317 422 R2
	2 BOLT	24 870 R1
	4 BOLT	24 894 R1
	4 BOLT	25 293 R1
	4 BOLT	25 511 R1
	1 "C" FRAME	717 532 C91
	1 CHART	CZG-3160
	1 CONNECTOR	9 410 207
	1 DRAWING	IZG-8787
	2 EYEBOLT	293 303 R11
	2 EYEBOLT	294 236 R21
	2 EYEBOLT	315 330 R11
	4 FITTING	109 461
	6 NUT	9 412 230
	4 NUT	9 412 231
	4 NUT	9 413 962
	1 "O" RING	296 247 R1
	1 PIN	137 185
	2 PIN	317 434 R1
	4 PIN	317 491 R1
	4 PIN	319 041 R1
	2 PIN	323 644 R1
	1 PIN	600 669 C1
	1 PIN	600 670 C2
	2 PIN	717 517 C1
	1 PRODUCT GRAPHIC	2 753 190 R1
	2 STRUT	317 423 R92
	4 SPACER	M-73125
	1 TUBE	705 559 C1
	1 TUBE	647 570 C1
	1 TUBE	705 561 C1
	2 TUBE	705 563 C1
	1 TUBE	706 727 C1)

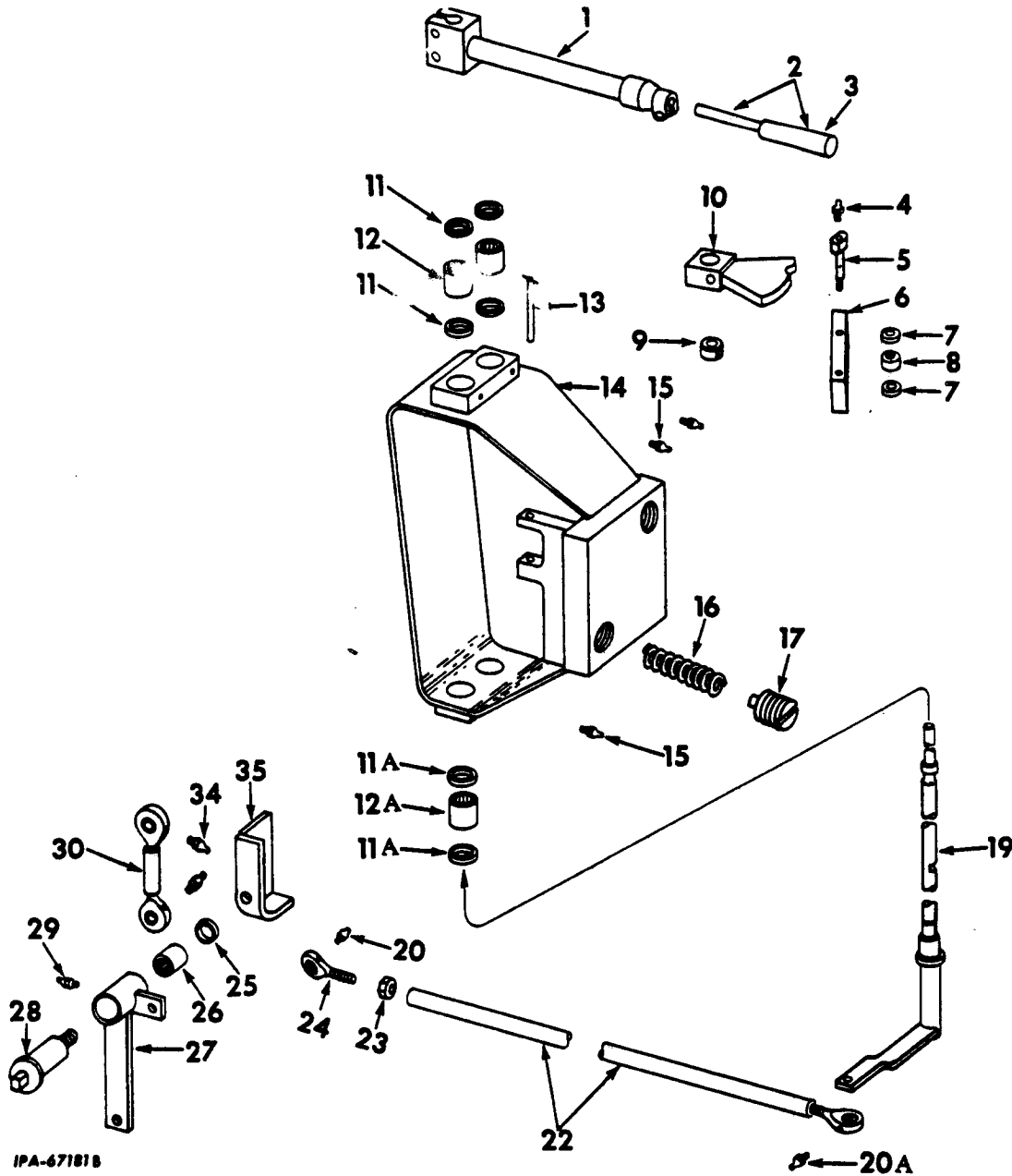
(*) - Parts listed and illustrated throughout catalog.

NOTE 2 - Field Application - Order on machine order form.

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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CABLE OPERATING CONTROLS
 (For Use With Model 25G-3 or Model 25D-3 Equipped With Model 25C-260S Single Drum Rear Cable Control Unit)



IPA-671818

<p>1 319 187 R91 LEVER, tiller 25 528 R1 NUT (2) 24 861 R1 SCREW, 1/2" dia hex-hd cap 24 877 R1 SCREW, 5/8" dia hex-hd cap (2) 103 329 WASHER, heavy lock</p>	<p>3 41 597 DA GRIP, control handle 4 109 462 FITTING, lubrication 5 319 184 R1 SHAFT, lockout follower 25 522 R1 NUT 103 321 WASHER, lock</p>
<p>2 293 808 R91 HANDLE w/GRIP, 41 597 DA control</p>	

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CABLE OPERATING CONTROLS - Continued (For Use With Model 25G-3 or Model 25D-3 Equipped With Model 25C-260S Single Drum Rear Cable Control Unit)			25	287 058 R91	OIL SEAL (2)
			26	298 175 R91	BEARING, needle (2)
			27	700 711 C1	BELLCRANK
6	319 183 R1	FOLLOWER, lockout	28	319 156 R11 25 913 R1	BOLT, shoulder NUT, jam
7	319 185 R1	WASHER, thrust (2)	29	109 461	FITTING, lubrication
8	319 964 R91	FOLLOWER, cam	30	319 203 R92 25 526 R1 24 862 R1	LINK ASSEMBLY, control adjustable NUT (2) SCREW, hex-hd cap (2)
9	323 688 R1 9 413 937 277 232 R1 323 689 R1	COLLAR, rear control shaft NUT, stover lock SCREW, hex-hd cap WASHER	34	16 964 R91	FITTING, lubrication (2)
10	319 174 R92 274 881 295 535 R1	LEVER, lockout NUT, stover lock BOLT, locking	35	319 169 R11 25 849 R1	BRACKET, mounting SCREW, hex-hd cap (2)
11	287 058 R91	OIL SEAL (2)			SCREW, 1/4" cup-pt set
11A	324 396 R91	OIL SEAL (2)			
12	298 175 R91	BEARING, needle upper			
12A	324 394 R91	BEARING, needle lower			
13	319 186 R11	PIN, lockout follower			
14	319 177 R92 24 862 R1 103 323	BRACKET, tiller SCREW, hex-hd cap (4) WASHER, lock (4)			
15	109 461	FITTING, lubrication (2)			
16	287 009 R1	SPRING, neutralizing			
17	308 763 R1	LOCKOUT, spring adjustment			
19	323 678 R91	TILLER w/two RACE, R.H.			
20	16 964 R91	FITTING, lubrication			
20A	117 175	FITTING, 1/4" lubrication			
22	319 171 R11 25 526 R1 24 862 R1	CONTROL, link adjustable NUT SCREW, hex-hd cap			
22	319 171 R11 114 505 179 885	CONTROL, link adjustable * and below NUT (2) SCREW, hex-hd cap (2)			
22	623 498 C1 114 505 179 885	CONTROL, link adjustable * and up NUT, jam (2) SCREW, hex-hd cap (2)			
23	25 922 R1	NUT, NF jam			
24	283 442 R91 25 526 R1 24 862 R1	BEARING, rod end NUT SCREW, hex-hd cap			

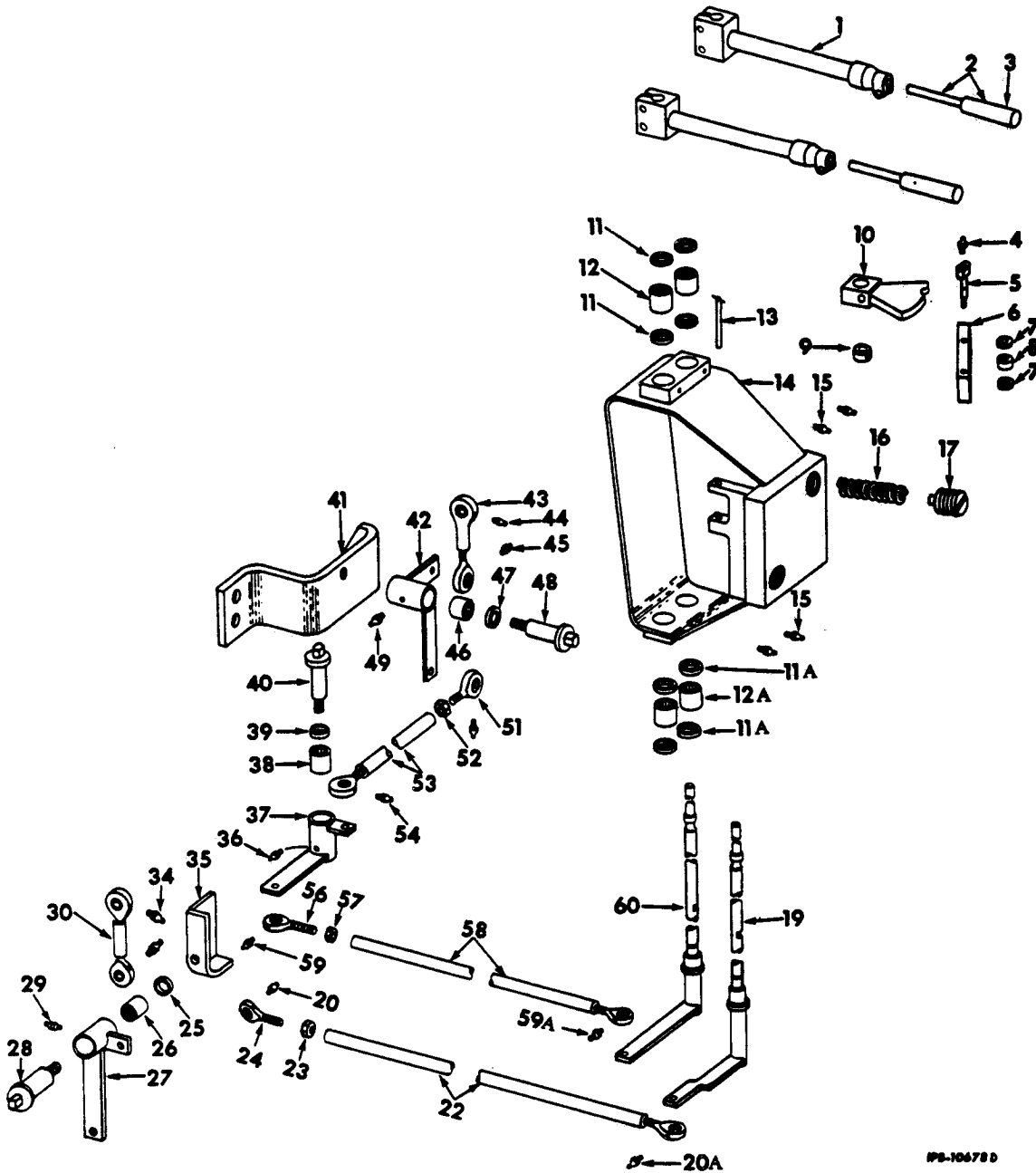
* - Serial Number Not Available.

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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CABLE OPERATING CONTROLS

(For Use With Model 25G-3 or Model 25D-3 Equipped With Model 25C-260 High Mount Double Drum Rear Cable Control Unit)



PG-106780

1	319 187 R91	LEVER, tiller (2)	2	293 808 R91	HANDLE w/GRIP, 41 597 DA, control (2)
	25 528 R1	NUT (4)			
	24 861 R1	SCREW, 1/2" dia hex-hd cap (2)			
	24 877 R1	SCREW, 5/8" dia hex-hd cap (4)			
	103 329	WASHER, heavy lock (2)	3	41 597 DA	GRIP, control handle (2)

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CABLE OPERATING CONTROLS - Continued (For Use With Model 25G-3 or Model 25D-3 Equipped With Model 25C-260 High Mount Double Drum Rear Cable Control Unit)			24	283 442 R91	BEARING, rod end
				25 526 R1	NUT
				24 862 R1	SCREW, hex-hd cap
			25	287 058 R91	OIL SEAL (2)
4	109 462	FITTING, lubrication (2)	26	298 175 R91	BEARING, needle (2)
5	319 184 R1	SHAFT, lockout follower (2)	27	700 711 C1	BELLCRANK
	25 522 R1	NUT (2)	28	319 156 R11	BOLT, shoulder
	103 321	WASHER, lock (2)		25 913 R1	NUT, jam
6	319 183 R1	FOLLOWER, lockout (2)	29	109 461	FITTING, lubrication
7	319 185 R1	WASHER, thrust (4)	30	319 203 R92	LINK ASSEMBLY, control adjustable
8	319 964 R91	FOLLOWER, cam (2)		25 526 R1	NUT (2)
				24 862 R1	SCREW, hex-hd cap (2)
9	323 688 R1	COLLAR, rear control shaft (2)	34	16 964 R91	FITTING, lubrication (2)
9	413 937	NUT, stover lock (2)	35	319 169 R11	BRACKET, mounting
	277 232 R1	SCREW, hex-hd cap (2)		25 849 R1	SCREW, hex-hd cap (2)
	323 689 R1	WASHER (2)	36	109 461	FITTING, lubrication
10	319 174 R92	LEVER, lockout (2)	37	319 160 R91	BELLCRANK
	274 881	NUT, stover lock (2)	38	298 175 R91	BEARING, needle (2)
	295 535 R1	BOLT, locking (2)	39	287 058 R91	OIL SEAL (2)
11	287 058 R91	OIL SEAL (4)	40	319 156 R11	BOLT, shoulder
11A	324 396 R91	OIL SEAL (4)		25 913 R1	NUT, jam
12	298 175 R91	BEARING, needle upper (2)	41	614 528 C1	BRACKET
12A	324 394 R91	BEARING, needle lower (2)		24 875 R1	SCREW, 5/8" dia hex-hd cap
13	319 186 R11	PIN, lockout follower (2)		25 849 R1	SCREW, 7/8" dia hex-hd cap (2)
14	319 177 R92	BRACKET w/BEARING, 298 175 R91 and two BEARING, 324 394 R91 tiller		43 293 D	WASHER
	24 862 R1	SCREW, hex-hd cap (4)	42	319 152 R91	BELLCRANK
	103 323	WASHER, lock (4)	43	319 151 R91	LINK, control short
15	109 461	FITTING, lubrication (4)		114 505	NUT, jam (2)
16	287 009 R1	SPRING, neutralizing (2)		179 885	SCREW, hex-hd cap (2)
17	308 763 R1	LOCKOUT, spring adjustment (2)	44	16 964 R91	FITTING, lubrication
19	323 678 R91	TILLER w/two RACE, R.H.	45	110 146 R91	FITTING, lubrication (optional with 102 467 H)
20	16 964 R91	FITTING, lubrication	45	102 467 H	FITTING, lubrication (optional with 110 146 R91)
20A	117 175	FITTING, lubrication	46	298 175 R91	BEARING, needle (2)
22	319 171 R11	CONTROL, link adjustable # and below	47	287 058 R91	OIL SEAL (2)
	114 505	NUT	48	319 156 R11	BOLT, shoulder
	179 885	SCREW, hex-hd cap		25 913 R1	NUT, jam
22	623 498 C1	CONTROL, link adjustable # and up	49	109 461	FITTING, lubrication
	114 505	NUT, jam (2)	51	283 442 R91	BEARING, rod end
	179 885	SCREW, hex-hd cap (2)		114 505	NUT, jam
23	25 922 R1	NUT, 1/2 NF jam		179 885	SCREW, hex-hd cap

* - Serial Number Not Available.

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CABLE OPERATING CONTROLS - Continued (For Use With Model 25G-3 or Model 25D-3 Equipped With Model 25C-260 High Mount Double Drum Rear Cable Control Unit)					
52	25 922 R1	NUT, NF jam			
53	700 709 C1	CONTROL, link adjustable			
	114 505	NUT, jam			
	179 885	SCREW, hex-hd cap			
54	16 964 R91	FITTING, lubrication (2)			
56	283 442 R91	BEARING, rod end			
	25 526 R1	NUT			
	24 862 R1	SCREW, hex-hd cap			
57		NUT 1/2 NF jam			
58	319 163 R21	CONTROL, link adjustable * and below			
	114 505	NUT			
	179 885	SCREW, hex-hd cap			
58	623 495 C1	CONTROL, link adjustable * and up			
	114 505	NUT, jam (2)			
	179 885	SCREW, hex-hd cap (2)			
59	16 964 R91	FITTING, lubrication			
59A	117 175	FITTING, lubrication			
60	323 675 R91	TILLER w/two RACE, L.H. SCREW, 1/4" cup-pt set (2)			

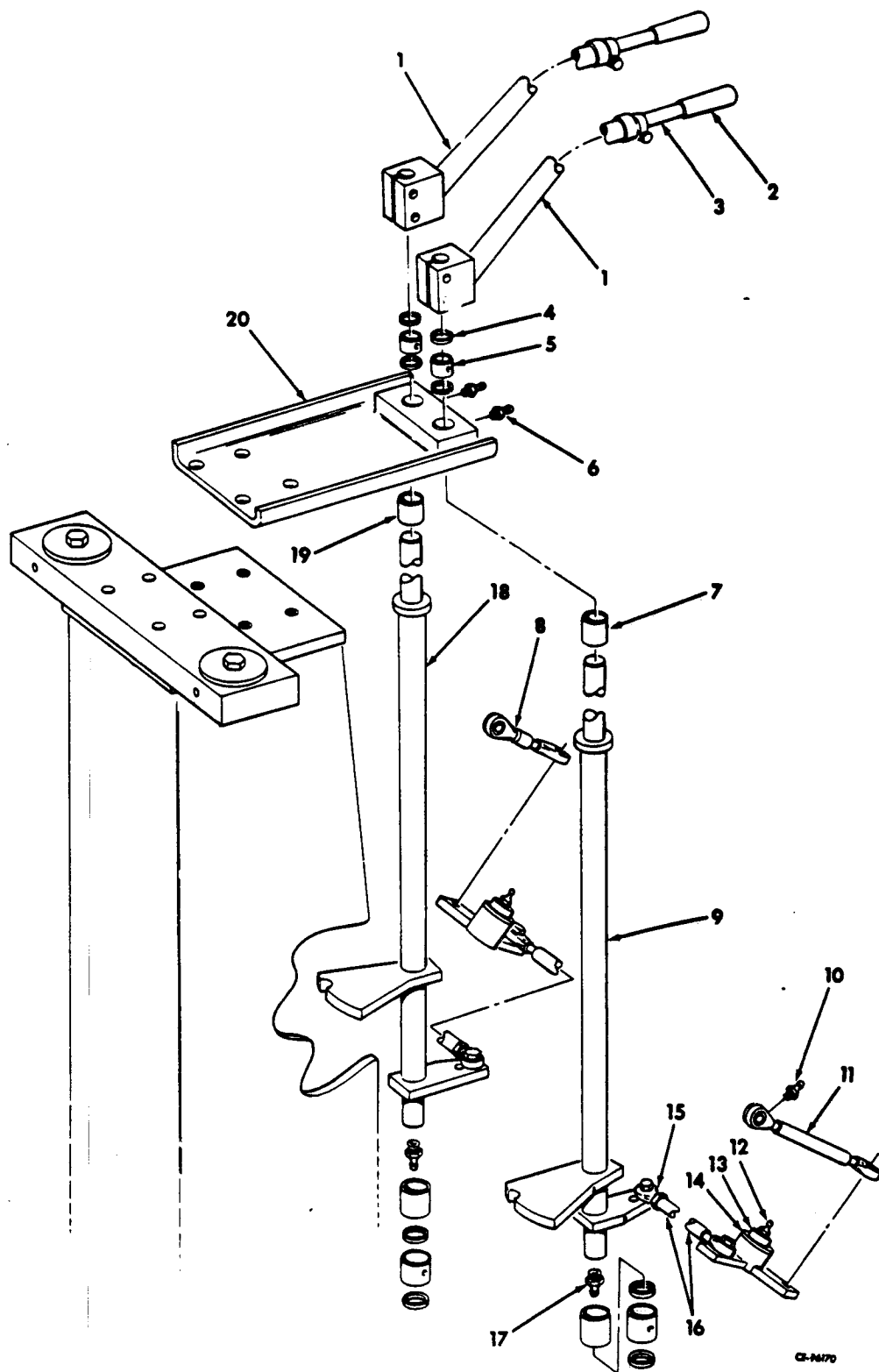
* - Serial Number Not Available.

MEMORANDA

MOUNTED EQUIPMENT

CABLE OPERATING CONTROLS

(For Use With Model 25G-3 or Model 25D-3 Equipped With Model 25C-260 Low Mount Double Drum Rear Cable Control Unit)



CS-16170

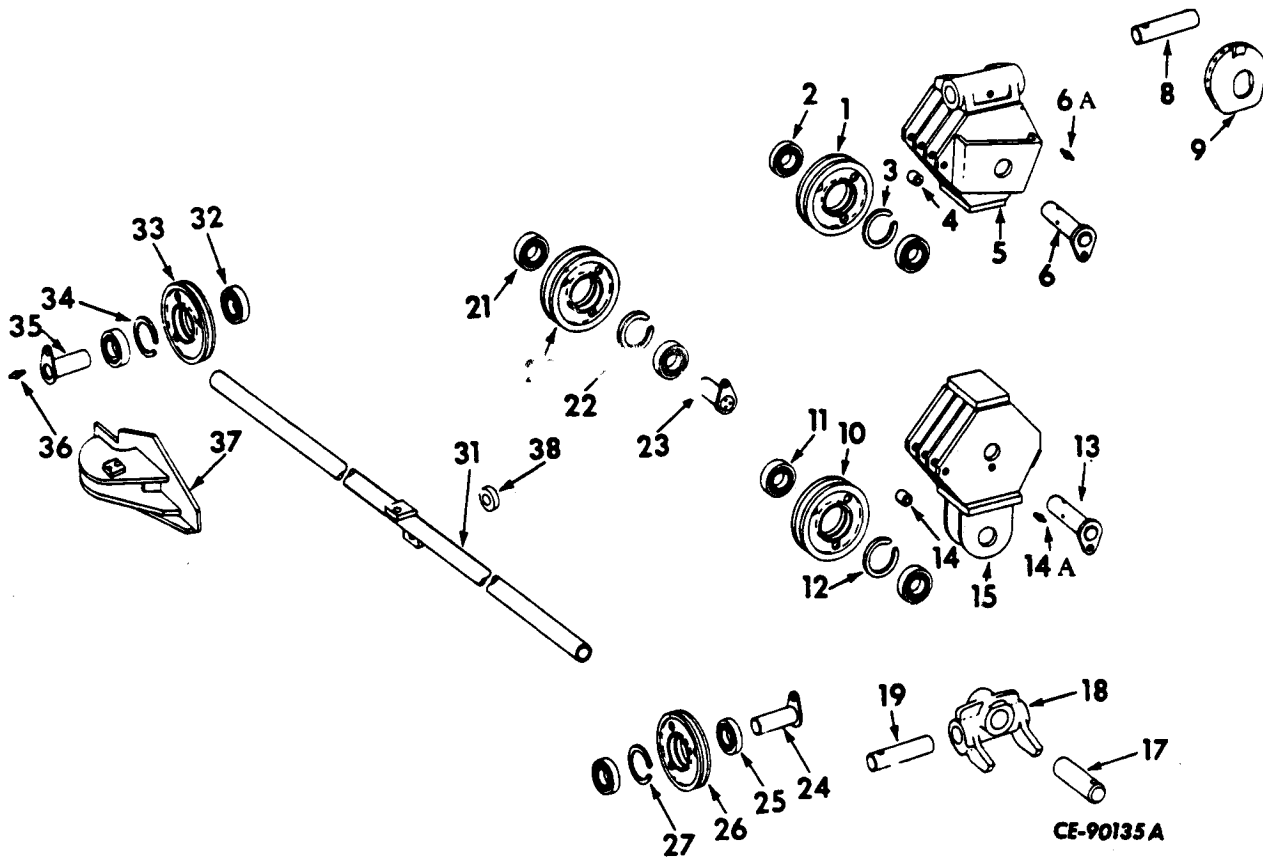
MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CABLE OPERATING CONTROLS - Continued (For Use With Model 25G-3 or Model 25D-3 Equipped With Model 25C-260 Low Mount Double Drum Rear Cable Control Unit)			17	109 462	FITTING, lub (2)
			18	308 809 R12	POST w/two RACE, 308 813 R1, tower tiller - ejector
			19	308 813 R1	RACE, inner (2)
1	602 070 C11 24 877 R1 25 528 R1	LEVER, tower tiller (2) SCREW, hex-hd cap (4) NUT (4)	20	308 807 R11 24 872 R1	SUPPORT, tower tiller upper SCREW, hex-hd cap (4)
2	619 405 C1	GRIP, tower tiller lever			
3	293 808 R91 24 861 R1 103 323	HANDLE w/GRIP, 619 405 C1 tower tiller lever (2) SCREW, hex-hd cap (2) WASHER, lock (2)			
4	287 058 R91	SEAL, tower tiller upper and lower bearing oil (8)			
5	298 175 R91	BEARING, tower tiller upper and lower (4)			
6	109 462	FITTING, lub (2)			
7	308 813 R1	RACE, inner (2)			
8	308 819 R91 24 863 R1 24 862 R1 25 526 R1	LINK, control - short SCREW, 1-3/4" long hex-hd cap SCREW, 1-1/2" long hex-hd cap NUT (2)			
9	308 810 R12	POST w/two RACE, 308 813 R1, tower tiller bowl			
10	110 146 R91	FITTING, lub (optional w/FITTING, 102 467 H) (8)			
10	102 467 H	FITTING, lub (optional w/FITTING, 110 146 R91) (8)			
11	308 820 R91 24 863 R1 24 861 R1 25 526 R1	LINK, control - long SCREW, 1-3/4" long hex-hd cap SCREW, 1-1/2" long hex-hd cap NUT (2)			
12	109 462	FITTING, lub (2)			
13	308 818 R11 25 529 R1	BOLT, control link bellcrank (2) NUT (2)			
14	308 815 R91 914 455 R91 287 058 R91	BELLCRANK, control link (2) BEARING, control link bellcrank (2) SEAL, control link bellcrank bearing oil (4)			
15	283 442 R91	BEARING, rod end			
16	618 219 C1 24 861 R1 25 526 R1 114 505	SLEEVE SCREW, hex-hd cap (4) NUT (4) NUT, jam			

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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SHEAVE BLOCKS AND SHEAVES



1	294 866 R1	SHEAVE, upper sheave block (4)	9	309 723 R1	LOCK, cable
2	ST 596	BEARING, upper sheave block sheave ball (8)	10	294 866 R1	SHEAVE, lower sheave block (4)
3	290 358 R1	RING, upper sheave block bearing retainer (4)	11	ST 596	BEARING, lower sheave block sheave ball (8)
4	294 610 R1	SPACER, upper sheave block check plate (4)	12	290 358 R1	RING, lower sheave block bearing retainer (4)
	25 526 R1	NUT	13	319 133 R11	SHAFT, lower sheave block sheave
	19 359 R1	BOLT		24 871 R1	SCREW, hex-hd cap
				103 325	WASHER, lock
5	319 134 R91	BLOCK, upper sheave	14	294 610 R1	SPACER, lower sheave block check plate (4)
6	319 133 R11	SHAFT, upper sheave block sheave		25 526 R1	NUT
	28 871 R1	SCREW, hex-hd cap		19 359 R1	BOLT
	103 325	WASHER, lock			
6A	109 461	FITTING, lubrication (3)	14A	109 461	FITTING, lubrication (3)
8	315 505 R1	SHAFT, upper sheave block mounting	15	319 129 R91	BLOCK, lower sheave
	9 413 956	NUT, stover lock			
	25 285 R1	SCREW, hex-hd cap			

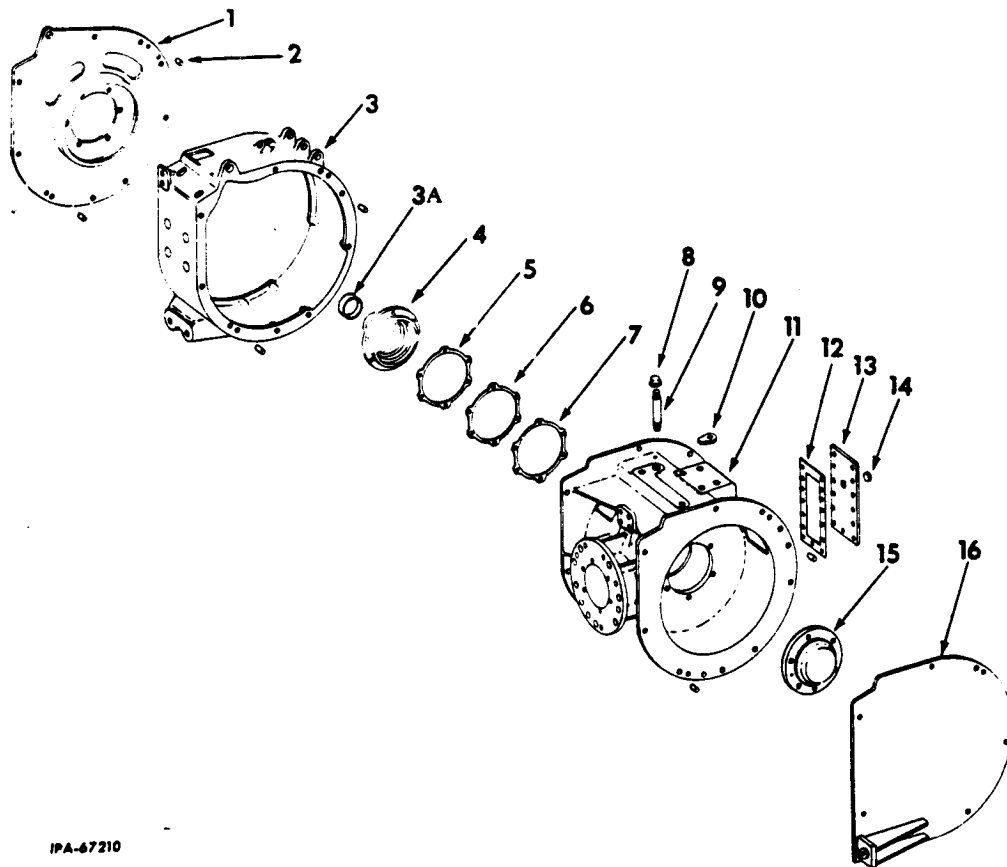
MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
SHEAVE BLOCKS AND SHEAVES - Continued					
17	317 274 R1	SHAFT, lower sheave universal			
	9 413 956	NUT, stover lock			
	25 285 R1	SCREW, hex-hd cap			
18	317 342 R1	UNIVERSAL, lower sheave			
19	315 505 R1	SHAFT, lower sheave block mounting			
	9 413 956	NUT, stover lock			
	25 285 R1	SCREW, hex-hd cap			
20	294 866 R1	SHEAVE, corner			
21	ST 596	BEARING, corner sheave ball (2)			
22	290 358 R1	RING, corner sheave bearing retainer			
23	289 273 R11	SHAFT, corner sheave			
	24 871 R1	SCREW, hex-hd cap			
24	289 273 R11	SHAFT, lower corner sheave			
	24 871 R1	SCREW, hex-hd cap			
25	ST 596	BEARING, lower corner sheave ball (2)			
26	294 866 R1	SHEAVE, lower corner			
27	290 358 R1	RING, lower corner sheave bearing retainer			
31	700 754 C1	TUBE, cable guide			
	25 526 R1	NUT (2)			
	24 863 R1	SCREW, 1-3/4" long hex-hd cap			
	24 865 R1	SCREW, 2-1/4" long hex-hd cap			
	103 323	WASHER, lock (2)			
	103 343	WASHER, flat			
32	ST 596	BEARING, sheave (2)			
33	294 866 R1	SHEAVE			
34	290 358 R1	RING, upper sheave retaining			
35	289 273 R11	SHAFT, sheave			
	24 871 R1	SCREW, hex-hd cap			
36	109 461	FITTING, lubrication			
37	701 715 C1	BRACKET, side sheave			
	24 874 R1	SCREW, hex-hd cap (4)			
38	600 267 C1	SPACER, cable guide tube mounting			
	109 461	FITTING, 1/8" lubrication (Used with universal shaft)			
	109 461	FITTING, 1/8" lubrication (Used with corner sheave)			
	109 461	FITTING, 1/8" lubrication (Used with lower corner sheave)			
		ROPE, steel (1/2 x 110 foot long)			
	326 122 R1	STOP, lower movable sheave (illustra- ted with rear cable control unit under "FAIRLEAD")			
	24 875 R1	SCREW, hex-hd cap (2)			

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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SINGLE DRUM REAR-CABLE CONTROL UNIT HOUSING



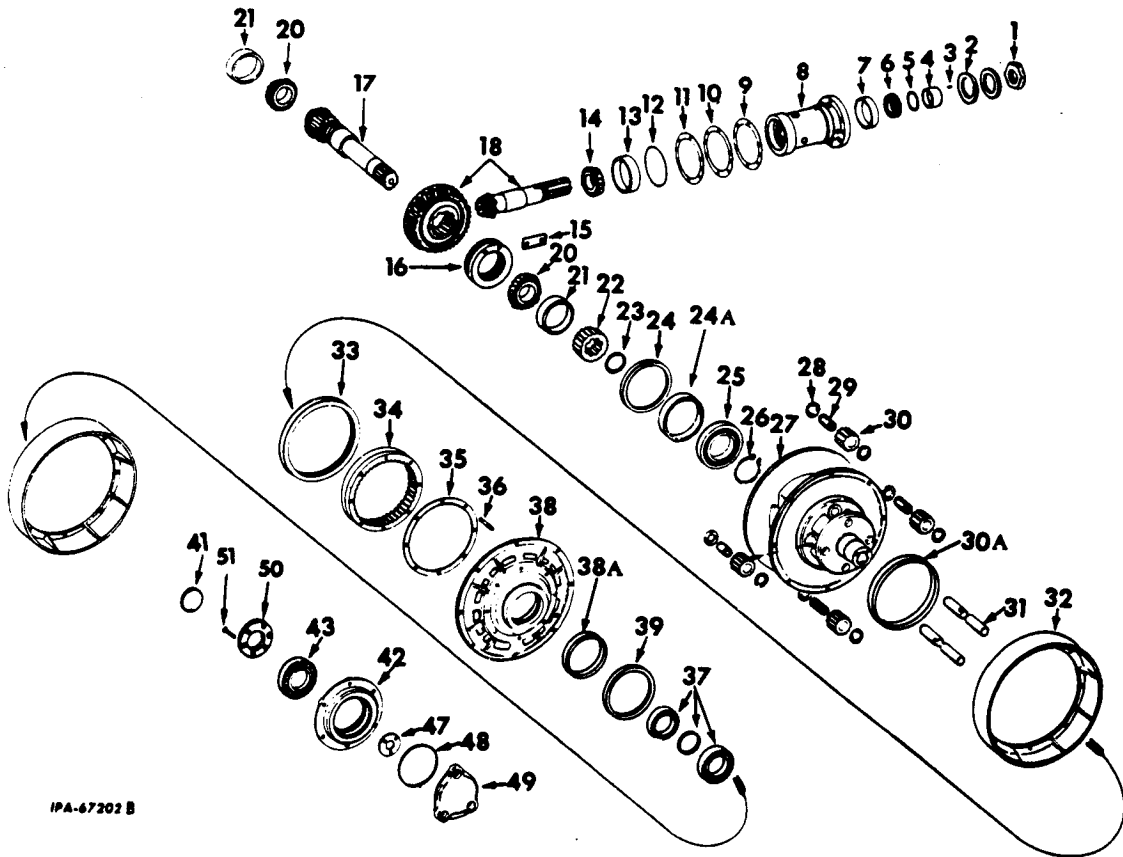
IPA-67210

1	700 701 C1 24 872 R1 24 871 R1	SUPPORT w/RING, outboard bearing SCREW, 1-1/4" long hex-hd cap (7) SCREW, 1" long hex-hd cap (6)	11	298 552 R3 24 872 R1	HOUSING, main SCREW, hex-hd cap (7)
2	286 958 R1	PIN, dowel outer housing (4)	12	297 781 R1	GASKET, main housing access cover
3	614 501 C1	HOUSING, R.H. outer	13	297 780 R1 24 840 R1 25 522 R1	COVER, main housing access SCREW, hex-hd cap (13) WASHER, lock (13)
3A	307 833 R1	SLEEVE, oil seal wear	14	9 409 949	PLUG, csk-hd pipe (stl) (2)
4	326 450 R11 25 125 D 25 526 R1	QUILL w/SLEEVE, 307 833 R1, drum STUD, drum quill (12) NUT (12)	15	342 029 R11	SUPPORT, main shaft
5	286 355 R1	SHIM, drum quill (.005) (6)	16	342 030 R91 25 528 R1 24 874 R1	PLATE, L.H. side cover NUT (7) SCREW, hex-hd cap (7)
6	286 356 R1	SHIM, drum quill (.007) (6)		342 031 R1	PLATE, dowel pin support (2)
7	286 357 R1	SHIM, drum quill (.020) (2)		308 701 R1	RING, inner collector
8	108 689	CAP, pipe (MI)			WIRE, filler pipe breather hole locking (order 278 027 R1)
9	297 782 R1	PIPE, filler		278 027 R1	WIRE, bulk locking (No. 16 ga.) (.0625) (customer must specify amount required)
10	286 556 R1 24 841 R1	WEDGE, cable (spare) (3) SCREW, hex-hd cap			

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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SINGLE DRUM REAR-CABLE CONTROL UNIT TRANSMISSION



IPA-67202 B

1	37 608 H 103 413	NUT, spiral bevel pinion lock PIN, cotter	10	286 337 R1	SHIM, pinion cage (.007) (6)
2	338 904 R91	OIL SEAL, spiral bevel pinion (2)	11	286 338 R1	SHIM, pinion cage (.020) (2)
3	297 806 R1	KEY, spiral bevel pinion oil seal sleeve	12	297 801 R1	GASKET, pinion cage
4	297 804 R2	SLEEVE, spiral bevel pinion oil seal	13	107 577 R1	CUP, rear spiral bevel tapered roller bearing
5	297 805 R1	GASKET, spiral bevel pinion oil seal sleeve	14	107 576 R91	CONE, rear spiral bevel pinion tapered roller bearing
6	298 194 R91	CONE, front spiral bevel pinion tapered roller bearing	15	311 774 R1 24 860 R1	PLATE, lock SCREW, hex-hd cap (2)
7	170 254 R1	CUP, front spiral bevel pinion tapered roller bearing	16	311 731 R1	NUT, lock
8	333 402 R1 101 896 R1 103 321	CAGE, pinion SCREW, hex-hd cap (6) WASHER, lock (6)	17	342 036 R1	SHAFT, spiral bevel gear
9	286 336 R1	SHIM, pinion cage (.005) (6)	18	333 403 R92	SHAFT w/ GEAR, bevel pinion (matched set)
			20	298 197 R91	CONE, spiral bevel gear shaft tapered roller bearing (2)

MOUNTED EQUIPMENT

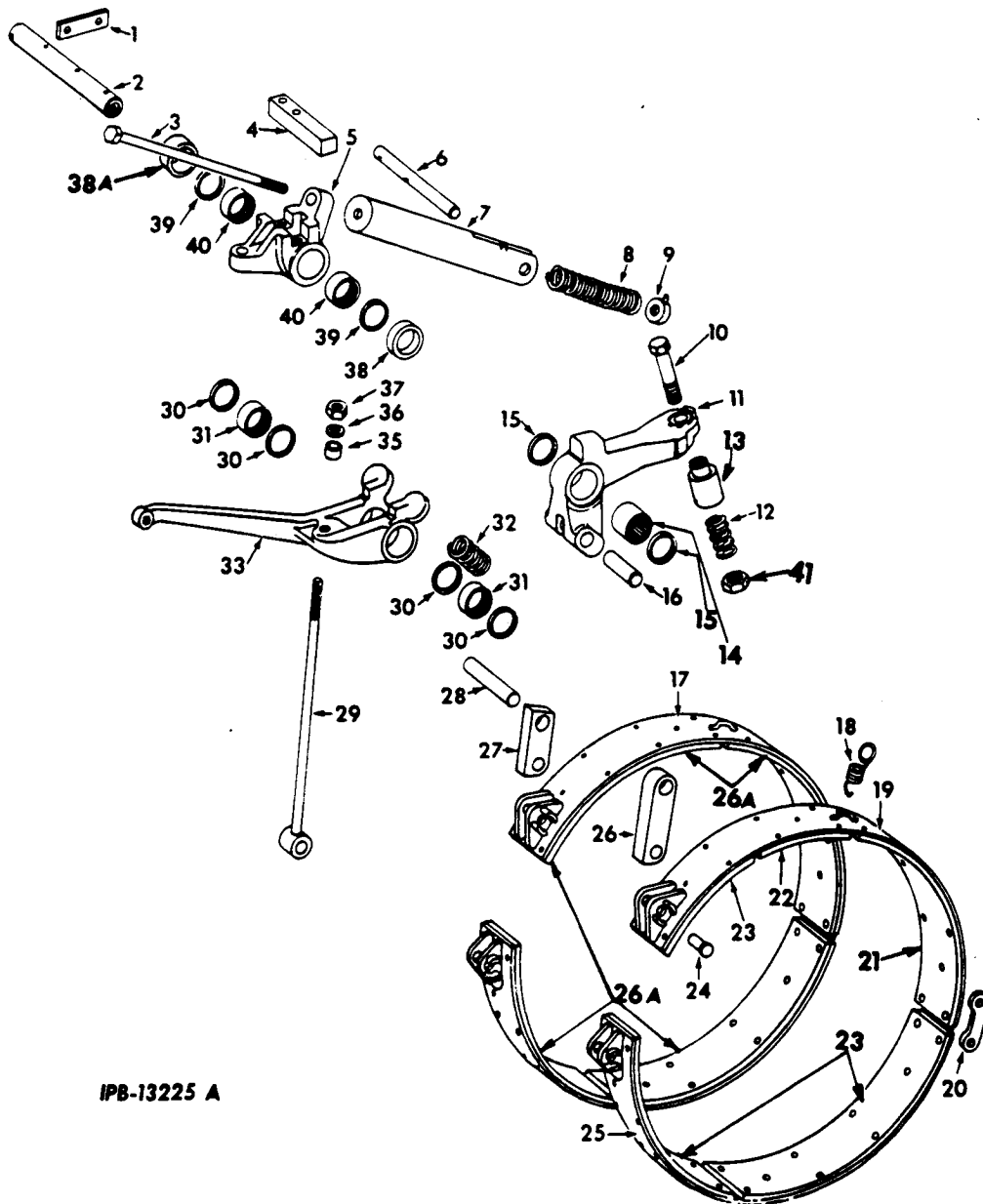
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
SINGLE DRUM REAR-CABLE CONTROL UNIT TRANSMISSION - Continued			47	297 816 R2 24 840 R1 103 321	RETAINER, brake drum hub-bearing SCREW, hex-hd cap (3) WASHER, lock (3)
21	13 390 D	CUP, spiral bevel gear shaft tapered roller bearing (2)	48	297 820 R1	GASKET, end cover
22	286 361 R1	GEAR, sun (20-T)	49	8 232 DB 24 860 R1	COVER, end SCREW, hex-hd cap (3)
23	297 811 R1	RING, sun gear snap	50	614 662 C1	RING, retainer
24		(order 323 656 R91)	51	619 442 C1	SCREW, flat head machine (6)
24A	307 833 R1	SLEEVE, oil seal wear	326 451 R1	BLOCK, guide	
25	298 190 R91	BEARING, cable drum cylindrical roller	311 524 R1	GASKET, cable drum	
26	324 738 R1	RING, cable drum bearing snap	323 657 R91	PACKAGE, oil seal and wear sleeve service (consists of SLEEVE, 307 832 R1 and OIL SEAL)	
27	326 306 R11	DRUM w/SLEEVE, 307 832 R1, cable	323 656 R91	PACKAGE, oil seal and wear sleeve service (consists of SLEEVE, 307 833 R1 and OIL SEAL) (2)	
28	286 514 R1	WASHER, planet pinion gear thrust (8)	308 782 R1	SHIM, outer bearing retainer (.020)	
29	M 85 097	BEARING, planet pinion gear journal roller (4)	308 783 R1	SHIM, outer bearing retainer (.007) (3)	
30	286 513 R1	GEAR, planet pinion (4)	308 784 R1	SHIM, outer bearing retainer (.005) (3)	
30A	307 832 R1	SLEEVE, oil seal wear	311 627 R1	SHIM, roller bearing (.005) (X)	
31	286 515 R1 600 584 C1	SHAFT, planet pinion gear (4) PIN, planet pinion gear cotter (4)	311 628 R1	SHIM, roller bearing (.007) (X)	
32	297 813 R1 25 274 R1	DRUM, brake (2) SCREW, hex-hd cap (16)			
33		(Order OIL SEAL PACKAGE, 323 657 R91)			
34	286 981 R1	GEAR, ring			
35	286 521 R1	GASKET, ring gear			
36	286 520 R1 17 234 R1	STUD, ring head (8) NUT, NF elastic stop (8)			
37	324 739 R91	BEARING, planetary housing			
38	326 307 R11	HOUSING w/SLEEVE, 307 833 R1, planetary			
38A	307 833 R1	SLEEVE, oil seal wear			
39		(Order OIL SEAL PACKAGE, 323 656 R91)			
41	326 308 R1	SPACER, brake drum hub bearing			
42	297 814 R2	HUB, brake drum			
43	ST 274	BEARING, brake drum hub			

(X) - As Required.

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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SINGLE DRUM REAR-CABLE CONTROL UNIT OPERATING LEVERS AND BRAKE BAND



IPB-13225 A

<table border="0"> <tr> <td style="width: 5%;">1</td> <td style="width: 15%;">298 273 R1 25 955 R1 103 320</td> <td style="width: 40%;">PLATE, operating lever shaft lock SCREW, hex-hd cap (2) WASHER, lock (2)</td> </tr> <tr> <td>2</td> <td>614 512 C1</td> <td>SHAFT, operating lever</td> </tr> <tr> <td>3</td> <td>297 721 R1</td> <td>SCREW, brake adjusting</td> </tr> <tr> <td>4</td> <td>614 509 C1 24 862 R1</td> <td>BAR, brake lever SCREW, hex-hd cap (2)</td> </tr> <tr> <td>5</td> <td>297 715 R2</td> <td>LEVER, brake</td> </tr> </table>	1	298 273 R1 25 955 R1 103 320	PLATE, operating lever shaft lock SCREW, hex-hd cap (2) WASHER, lock (2)	2	614 512 C1	SHAFT, operating lever	3	297 721 R1	SCREW, brake adjusting	4	614 509 C1 24 862 R1	BAR, brake lever SCREW, hex-hd cap (2)	5	297 715 R2	LEVER, brake	<table border="0"> <tr> <td style="width: 5%;">6</td> <td style="width: 15%;">297 723 R1 103 408</td> <td style="width: 40%;">PIN, brake spring housing PIN, cotter (2)</td> </tr> <tr> <td>7</td> <td>297 720 R11</td> <td>HOUSING, brake spring</td> </tr> <tr> <td>8</td> <td>287 015 R2</td> <td>SPRING, brake</td> </tr> <tr> <td>9</td> <td>297 722 R11</td> <td>BLOCK w/DOWEL, brake spring guide end</td> </tr> <tr> <td>10</td> <td></td> <td>SCREW, 5/8 x 4" pitman arm stop</td> </tr> </table>	6	297 723 R1 103 408	PIN, brake spring housing PIN, cotter (2)	7	297 720 R11	HOUSING, brake spring	8	287 015 R2	SPRING, brake	9	297 722 R11	BLOCK w/DOWEL, brake spring guide end	10		SCREW, 5/8 x 4" pitman arm stop
1	298 273 R1 25 955 R1 103 320	PLATE, operating lever shaft lock SCREW, hex-hd cap (2) WASHER, lock (2)																													
2	614 512 C1	SHAFT, operating lever																													
3	297 721 R1	SCREW, brake adjusting																													
4	614 509 C1 24 862 R1	BAR, brake lever SCREW, hex-hd cap (2)																													
5	297 715 R2	LEVER, brake																													
6	297 723 R1 103 408	PIN, brake spring housing PIN, cotter (2)																													
7	297 720 R11	HOUSING, brake spring																													
8	287 015 R2	SPRING, brake																													
9	297 722 R11	BLOCK w/DOWEL, brake spring guide end																													
10		SCREW, 5/8 x 4" pitman arm stop																													

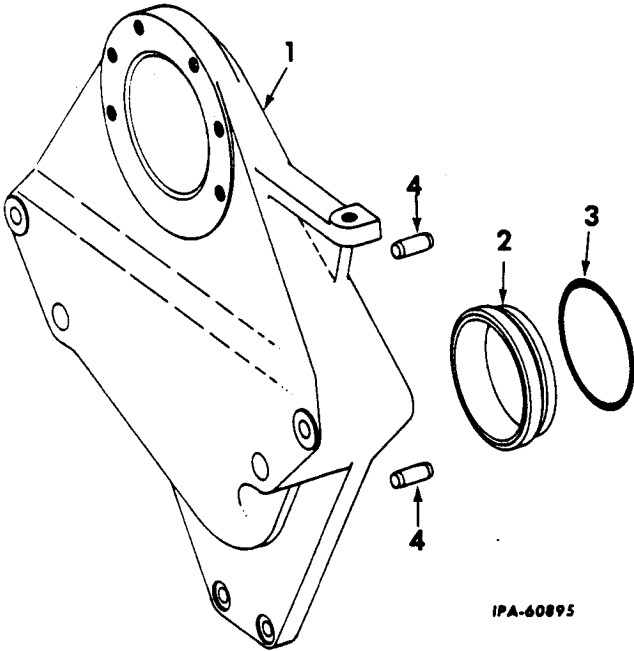
MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
SINGLE DRUM REAR-CABLE CONTROL UNIT OPERATING LEVERS AND BRAKE BAND - Continued			26A	297 704 R1 21 407 H	LINING, brake (4) RIVET, 3/16 x 7/16" (40)
			27	297 710 R2	PAWL, brake anchor
			28	614 504 C1	PIN, brake anchor upper
11	297 718 R1 265 923 R1	LEVER, brake release PIN, roll	29	297 712 R2	ROD, tension (2)
12	287 020 R1 103 345 24 881 R1	SPRING, brake release lever WASHER, flat SCREW, hex-hd cap	30	287 058 R91	OIL SEAL, clutch lever bearing (4)
13	700 821 C1	STOP, brake release lever (order PACKAGE 623 486 C91) 25C-260S 521 and below	31	298 175 R91	BEARING, clutch lever needle (2)
13	623 485 C1	STOP, brake release lever 25C-260S 522 and up	32	287 009 R1	SPRING, clutch
14	914 455 R91	BEARING, brake release lever needle	33	319 150 R1	LEVER, clutch
15	287 058 R91	OIL SEAL, brake release lever bearing (2)	35	298 098 R91	BUSHING, clutch lever self-aligning
16	614 503 C1	PIN, clutch anchor upper	35	298 098 R91	BUSHING, brake lever self-aligning (2)
17	297 705 R92	BAND w/two LINING, 297 704 R1 and twenty RIVET, 21 407 H, brake (2)	36	297 714 R1	SPACER, tension rod (3)
18	612 398 C1	SPRING, extension (2)	37	454 522 R1	NUT, 1/2" elastic stop (2)
19	700 704 C91	BAND w/LINING, 614 515 C1, LINING, 614 514 C1, LINING, 614 513 C1 and twenty RIVET, 21 407 H, R.H. clutch (upper)	38	614 510 C1	SPACER, brake lever inner
20	297 706 R1	LINK, brake band connecting (2)	38A	614 511 C1	SPACER, brake lever, outer
21	614 513 C1 21 407 H	LINING, clutch RIVET (5)	39	287 058 R91	OIL SEAL, brake lever bearing (2)
22	614 514 C1 21 407 H	LINING, clutch RIVET (5)	40	298 175 R91	BEARING, brake lever needle (2)
23	614 515 C1 21 407 H	LINING, clutch (3) RIVET (25)	41	25 949 R1 25 933 R1	NUT, jam (Used w/STOP, 623 485 C1) NUT, 1/2" jam (2)
24	297 707 R1 103 388	PIN, brake band connecting link (4) PIN, cotter (4)	445 671		PLUG, 1/8" NPT sq-hd pipe
24	297 707 R1 103 388	PIN, brake anchor lower PIN, cotter			SCREW, 1/2 x 3" hex-soc oval pt set (2)
24	297 707 R1 103 388	PIN, clutch anchor lower PIN, cotter	623 486 C91		PACKAGE, stop brake release lever 25C-260S 521 and below (Consists of - 2 STOP 623 485 C1 2 NUT, 5/8" jam 1 DRAWING IZG-9144)
24	297 707 R1	PIN, tension rod lower (2)			
25	700 705 C91	BAND w/two LINING, 614 515 C1 and twenty RIVET, 21 407 H, clutch (lower)			
26	297 708 R2	PAWL, clutch anchor			

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION
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SINGLE DRUM REAR-CABLE CONTROL UNIT MOUNTING BRACKET



IPA-60895

- | | | |
|---|--|--|
| 1 | 319 188 R2
17 266 R1
19 783 R1
25 528 R1
24 877 R1
24 875 R1
24 879 R1 | ADAPTER
BOLT (2)
BOLT (2)
NUT (6)
SCREW, 2-1/2" long hex-hd cap (6)
SCREW, 2" long hex-hd cap (2)
SCREW, 3" long hex-hd cap (50) |
| 2 | 319 189 R1 | PLATE, centering |
| 3 | 264 681 R1 | "O" RING, thick |
| 4 | 19 968 R1 | PIN, dowel (Replaces 250 868 R1) (2) |

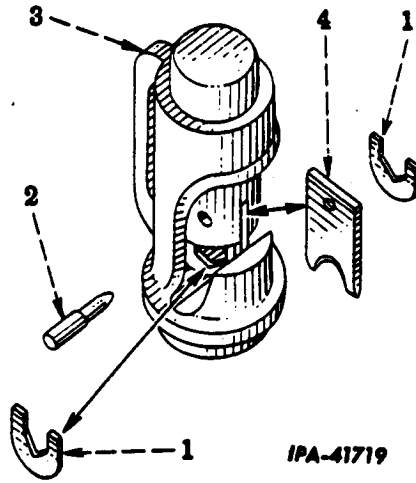
CABLE REEL

- | | |
|-------------|--|
| 701 557 C91 | ATTACHMENT, cable reel (for Models 25D-3 and 25G-3) (See NOTE 4) |
| 323 291 R11 | BAR, mounting cable reel |
| IZG 8445 | DRAWING, cable reel installation |
| 326 200 R91 | NUT, cable lock
ROPE w/REEL, steel (1/2" x 200" long) |

NOTE 4 - Attachment No Longer Available, Service Parts Will Be Furnished as Ordered.

REF. NO.	PART NUMBER	DESCRIPTION
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SINGLE DRUM REAR - CABLE CONTROL UNIT CABLE CUTTER



IPA-41719

- | | | | |
|---|-------------|--|--------------|
| 1 | 289 203 R1 | BLADE, bottom (2) | |
| 2 | 289 204 R1 | PIN, top cutting blade locking | |
| 3 | 286 552 R91 | CUTTER ASSEMBLY, cable
(Composed of - | |
| | | 1 BLADE | 289 202 R1 |
| | | 2 BLADE | 289 203 R1 |
| | | 1 PIN | 265 923 R1 |
| | | 1 PIN | 289 204 R1) |
| 4 | 289 202 R1 | BLADE, top cutting | |
| | 265 923 R1 | PIN, roll | |

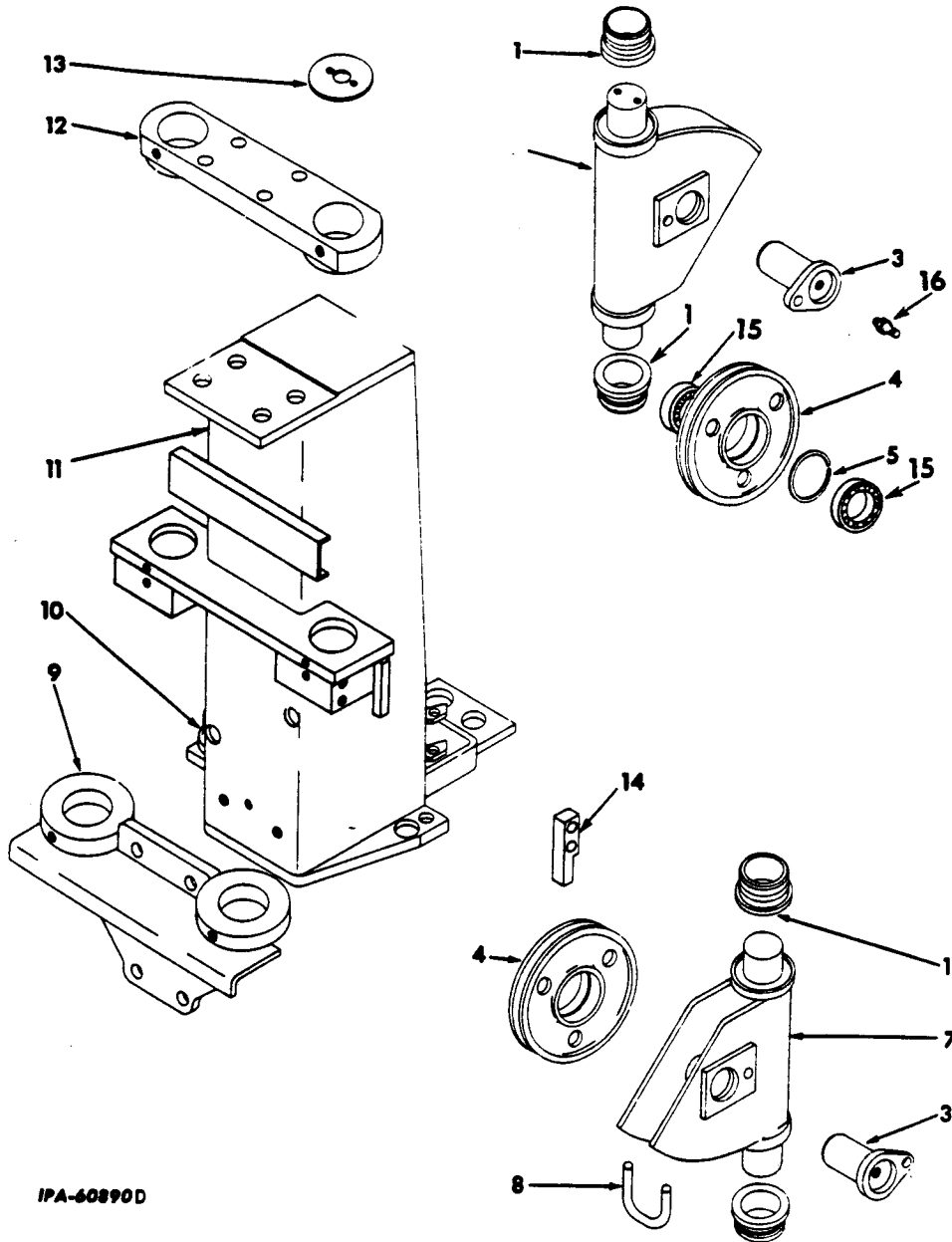
PRODUCT GRAPHICS

- | | |
|--------------|------------------------------|
| 2 752 600 R1 | PRODUCT GRAPHIC, "oil level" |
| 2 751 198 R1 | PRODUCT GRAPHIC, adjustment |

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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SINGLE DRUM REAR-CABLE CONTROL UNIT FAIRLEAD



IPA-60890D

1	286 385 R1	BUSHING, fairlead frame (4)	4	294 866 R1	SHEAVE, fairlead (2)
2	308 770 R91	FRAME, upper fairlead	5	290 358 R1	RING, sheave bearing retainer (2)
3	289 273 R11 24 871 R1	SHAFT, fairlead sheave (2) SCREW, hex-hd cap (2)	7	308 769 R91	FRAME w/STIFFENER, 308 802 R2, lower fairlead

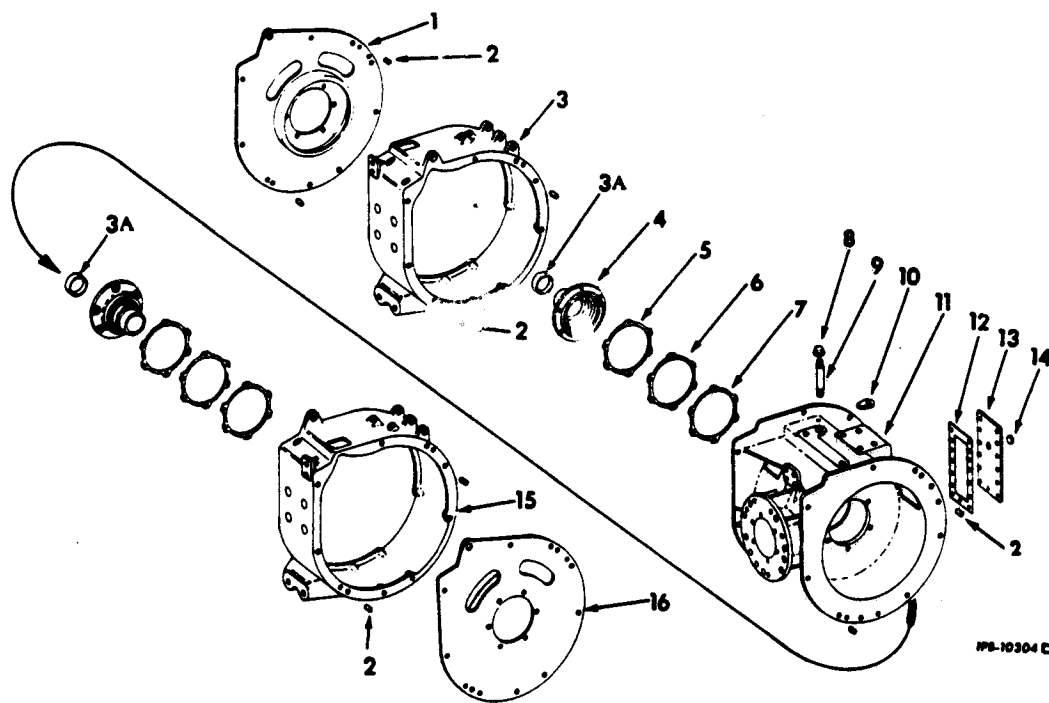
MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
SINGLE DRUM REAR-CABLE CONTROL UNIT					
FAIRLEAD - Continued					
8	308 802 R2	STIFFENER, lower fairlead frame			
9	308 765 R11	SUPPORT, tower lower bearing			
	25 529 R1	NUT (2)			
	24 888 R1	SCREW, hex-hd cap (4)			
10	286 552 R91	CUTTER, cable (For components see list of parts under details of "Cable Cutter")			
11	319 190 R91	TOWER w/CUTTER, 286 552 R91, sheave			
	24 888 R1	SCREW, hex-hd cap (4)			
12	308 764 R11	SUPPORT, tower upper bearing			
	25 529 R1	NUT (4)			
	24 891 R1	SCREW, hex-hd cap (4)			
13	286 464 R1	SHIELD, fairlead frame bushing dust			
	25 752 R1	SCREW, hex-hd cap (2)			
	103 319	WASHER, lock (2)			
14	326 122 R1	STOP, lower movable sheave (Not furnished with Cable Control Units)			
	24 872 R1	SCREW, hex-hd cap (2)			
15	ST 596	BEARING, fairlead sheave (4)			
16	109 461	FITTING, lubrication (6)			

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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DOUBLE DRUM REAR-CABLE CONTROL UNIT HOUSING

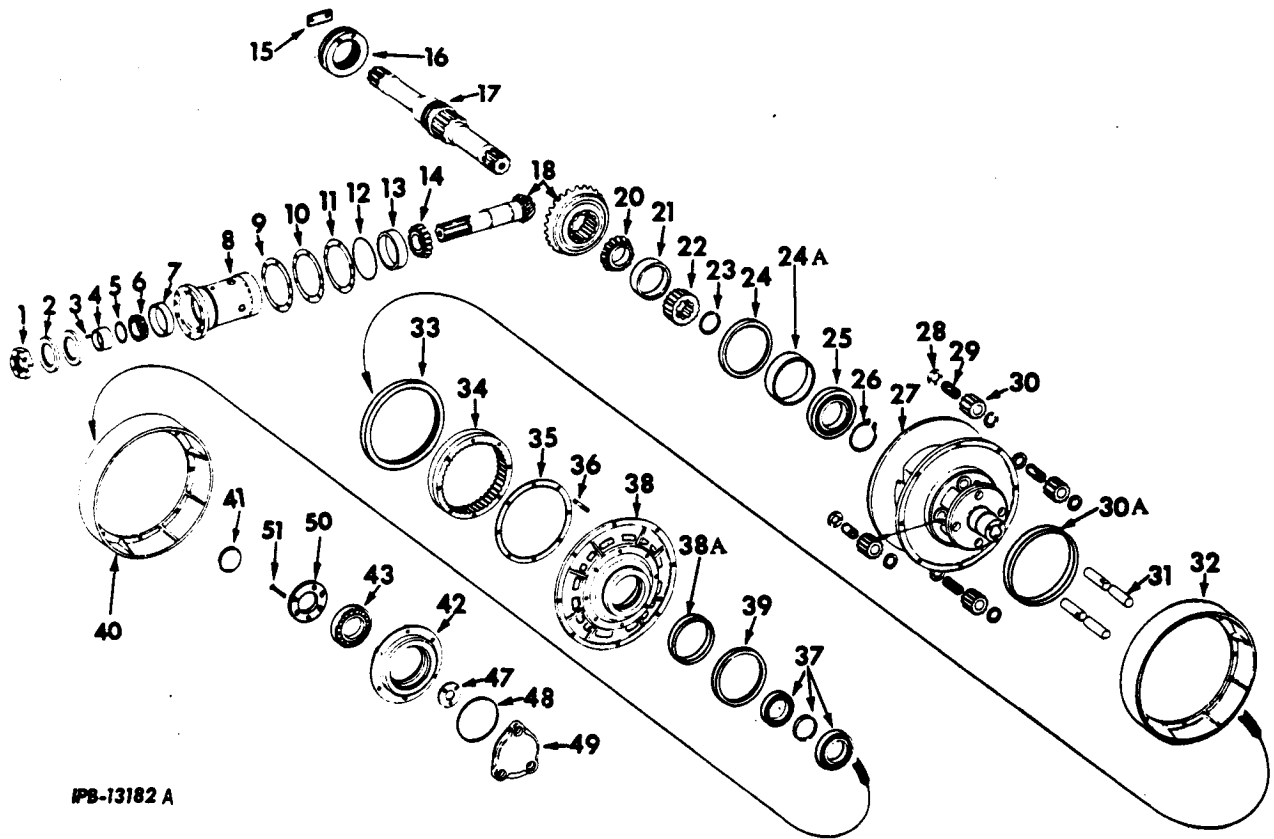


1	700 701 C1	SUPPORT w/RING outboard bearing	11	298 552 R3	HOUSING, main	
	24 872 R1	SCREW, 1-1/4" long hex-hd cap (7)		24 872 R1	SCREW, hex-hd cap (14)	
	24 871 R1	SCREW, 1" long hex-hd cap (6)				
2	286 958 R1	PIN, dowel outer housing (8)	12	297 781 R1	GASKET, main housing access cover	
3	614 501 C1	HOUSING, R.H. outer	13	297 780 R1	COVER, main housing access	
				24 840 R1	SCREW, hex-hd cap (13)	
3A	307 783 R1	SLEEVE, oil seal wear (2)		103 321	WASHER, lock (13)	
4	326 450 R11	QUILL w/SLEEVE, 307 833 R1, drum (2)	14	9 409 949	PLUG, csk-hd pipe (stl) (2)	
	25 125 D	STUD, drum quill (12)		15	614 500 C1	HOUSING, L.H. outer
	25 526 R1	NUT (12)		16	700 700 C1	SUPPORT w/RING, L.H. outboard bearing
5	286 355 R1	SHIM, drum quill (.005) (6)		24 871 R1	SCREW, 1" long hex-hd cap (6)	
6	286 356 R1	SHIM, drum quill (.007) (6)		24 872 R1	SCREW, 1-1/4" long hex-hd cap (7)	
7	286 357 R1	SHIM, drum quill (.020) (2)		116 566	PLUG, sq-soc pipe	
8	106 689	CAP, pipe (M1)		308 701 R1	RING, inner collector (2)	
9	297 782 R1	PLUG, filler			WIRE, filler pipe breather hole locking (order 278 027 R1)	
10	286 556 R1	WEDGE, cable (spare) (6)		278 027 R1	WIRE, bulk locking (No. 16 ga.) (.0625) (customer must specify amount required)	
	24 841 R1	SCREW, hex-hd cap (2)				

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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DOUBLE DRUM REAR-CABLE CONTROL UNIT TRANSMISSION



IPB-13182 A

1	37 608 H 103 412	NUT, spiral bevel pinion lock PIN, cotter	10	286 337 R1	SHIM, pinion cage (.007) (6)
2	338 904 R91	OIL SEAL, spiral bevel pinion (2)	11	286 338 R1	SHIM, pinion cage (.020) (2)
3	297 806 R1	KEY, spiral bevel pinion oil seal sleeve	12	297 801 R1	GASKET, pinion cage
4	297 804 R2	SLEEVE, spiral bevel pinion oil seal	13	107 577 R1	CUP, rear spiral bevel pinion tapered roller bearing
5	297 805 R1	GASKET, spiral bevel pinion oil seal sleeve	14	107 576 R91	CONE, rear spiral bevel pinion tapered roller bearing
6	298 194 R91	CONE, front spiral bevel pinion tapered roller bearing	15	311 774 R1 24 860 R1	PLATE, lock SCREW, hex-hd cap (2)
7	170 254 R1	CUP, front spiral bevel pinion tapered roller bearing	16	311 731 R1	NUT, lock
8	333 402 R1 101 896 R1 103 321	CAGE, pinion SCREW, hex-hd cap (6) WASHER, lock (6)	17	311 728 R1	SHAFT, spiral bevel gear
9	286 336 R1	SHIM, pinion cage (.005) (6)	18	333 403 R92	SHAFT w/GEAR, bevel pinion (matched set)
			20	298 197 R91	CONE, spiral bevel gear shaft tapered roller bearing (2)

MOUNTED EQUIPMENT

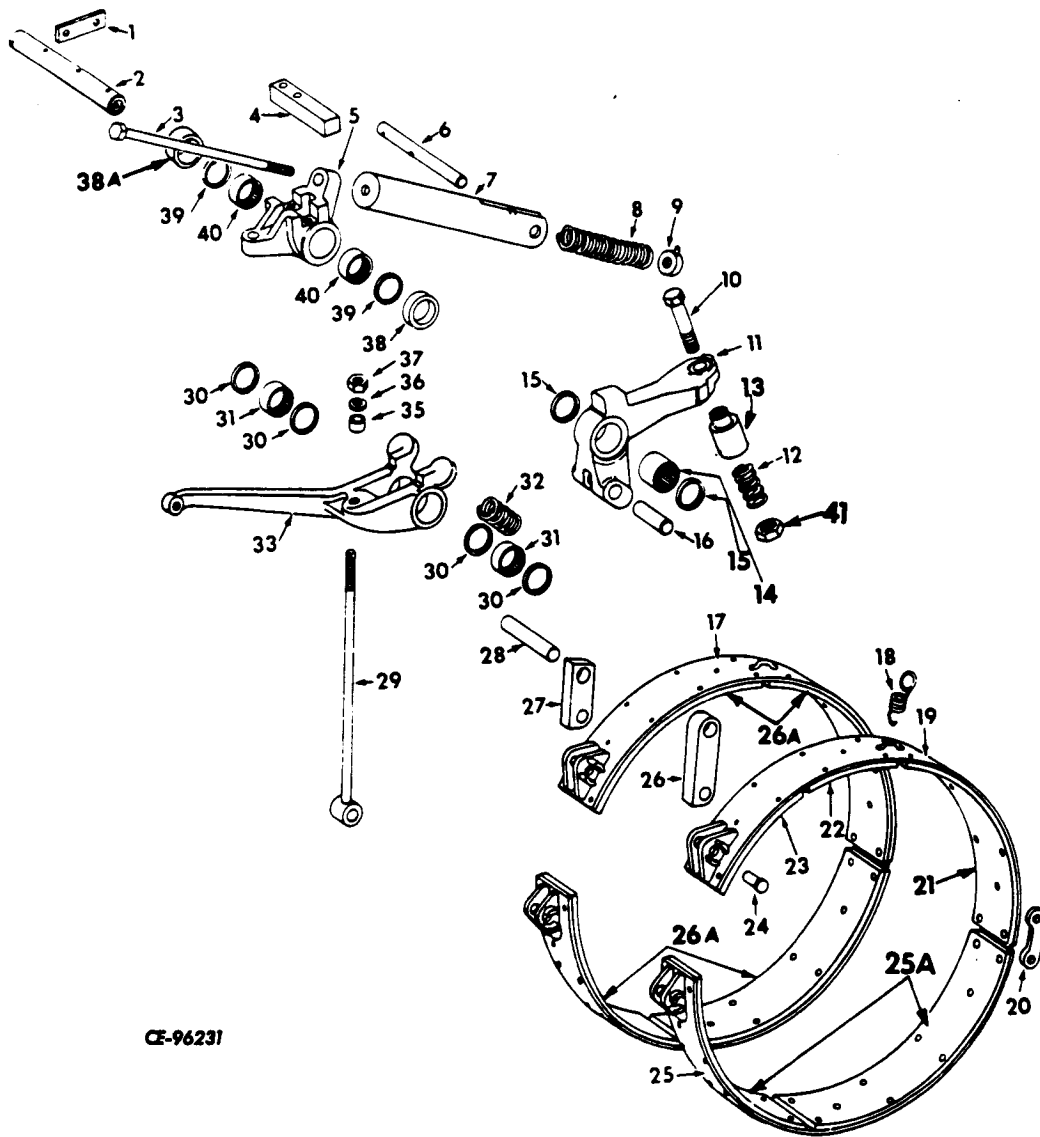
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
DOUBLE DRUM REAR-CABLE CONTROL UNIT TRANSMISSION			42	614 507 C1	HUB, drum (2)
			43	ST 274	BEARING, brake drum hub (2)
20	298 197 R91	CONE, spiral bevel gear shaft tapered roller bearing (2)	4.	297 816 R2	RETAINER, brake drum hub bearing (2)
21	13 390 D	CUP, spiral bevel gear shaft tapered roller bearing (2)		24 840 R1	SCREW, hex-hd cap (6)
22	286 361 R1	GEAR, sun (20T) (2)		103 321	WASHER, lock (6)
23	297 811 R1	RING, sun gear snap (2)	48	297 820 R1	GASKET, end cover (2)
24		OIL SEAL (order PACKAGE, 323 656 R91)	49	8 232 DB	COVER, end (2)
24A	307 833 R1	SLEEVE, oil seal wear (2)		24 860 R1	SCREW, hex-hd cap (6)
25	298 190 R91	BEARING, cable drum cylindrical roller (2)	50	614 662 C1	RING, retainer (2)
26	324 738 R1	RING, cable drum bearing snap (2)	51	619 442 C1	SCREW, flat head machine (12)
27	326 306 R11	DRUM, sleeve, 307 832 R1 cable (2)		326 451 R1	BLOCK, guide (2)
28	286 514 R1	WASHER, planet pinion gear thrust (16)		311 524 R1	GASKET, cable drum (2)
29	M 85 097	BEARING, planet pinion gear journal roller (8)		323 657 R91	PACKAGE, oil seal and wear sleeve service (Consists of SLEEVE, 307 832 R1 and OIL SEAL) (2)
30	286 513 R1	GEAR, planet pinion (8)		323 656 R91	PACKAGE, oil seal and wear sleeve service (Consists of SLEEVE, 307 833 R1 and OIL SEAL) (4)
30A	307 832 R1	SLEEVE, oil seal wear (2)		308 782 R1	SHIM, outer bearing retainer (.020) (2)
31	286 515 R1 600 584 C1	SHAFT, planet pinion gear (8) PIN, planet pinion gear shaft cotter (8)		308 783 R1	SHIM, outer bearing retainer (.007) (6)
32	297 813 R1 25 274 R1	DRUM, brake (2) SCREW, hex-hd cap (16)		308 784 R1	SHIM, outer bearing retainer (.005) (6)
33		OIL SEAL (order PACKAGE, 323 657 R91)		311 627 R1	SHIM, roller bearing (.005) (X)
34	286 981 R1	GEAR, ring (2)		311 628 R1	SHIM, roller bearing (.007) (X)
35	286 521 R1	GASKET, ring gear (2)			
36	286 520 R1 17 234 R1	STUD, ring head (16) NUT, NF elastic stop (16)			
37	324 739 R91	BEARING, planetary housing (2)			
38	326 307 R11	HOUSING w/SLEEVE, 307 833 R1, planetary (2)			
38A	307 833 R1	SLEEVE, oil seal wear (2)			
39		OIL SEAL (order PACKAGE, 323 656 R91)			
40	614 506 C1 25 274 R1	DRUM, clutch SCREW, hex-hd cap (16)			
41	326 308 R1	SPACER, brake drum hub bearing (2)			

(X) - As Required.

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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DOUBLE DRUM REAR-CABLE CONTROL UNIT OPERATING LEVERS AND BRAKE BAND



CE-96231

1	298 273 R1 25 955 R1 103 320	PLATE, operating lever shaft lock (2) SCREW, hex-hd cap (4) WASHER, lock (4)	7	297 720 R11	HOUSING, brake spring (2)
2	614 512 C1	SHAFT, operating lever (2)	8	287 015 R2	SPRING, brake (2)
3	297 721 R1	SCREW, brake adjusting (2)	9	297 722 R11	BLOCK w/DOWEL, brake spring guide end (2)
4	614 509 C1 24 862 R1	BAR, brake lever (2) SCREW, hex-hd cap (4)	10	24 881 R1	SCREW, hex-hd cap (brake release lever) (2)
5	297 715 R2	LEVER, brake (2)	11	297 718 R1 265 923 R1	LEVER, brake release (2) PIN, roll (2)
6	297 723 R1 103 408	PIN, brake spring housing (2) PIN, cotter (4)	12	287 500 R1 103 340	SPRING, brake release lever (2) WASHER, flat (2)

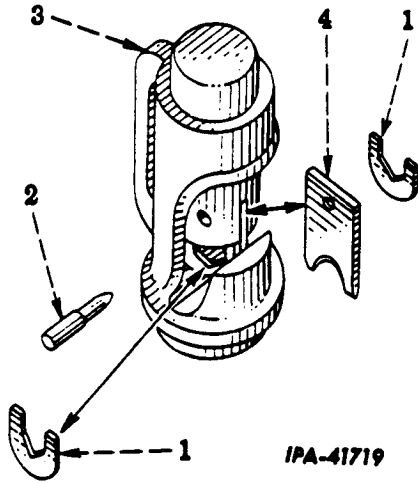
MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
DOUBLE DRUM REAR-CABLE CONTROL UNIT OPERATING LEVERS AND BRAKE BAND - Continued			25A	614 515 C1	LINING, clutch (L.H. & R.H.) lower (4)
				21 407 H	RIVET (40)
13	700 821 C1	STOP, brake release lever (2) (order PACKAGE, 623 486 C91) 25C-260 521 and below	26	297 708 R2	PAWL, clutch anchor (2)
13	623 485 C1	STOP, brake release lever (2) 25C-260 522 and up	26A	297 704 R1	LINING, brake (8)
14	914 455 R91	BEARING, brake release lever needle (2)		21 407 H	RIVET (80)
15	287 058 R91	OIL SEAL, brake release lever bearing (4)	27	297 710 R2	PAWL, brake anchor (2)
16	614 503 C1	PIN, clutch anchor (2)	28	614 504 C1	PIN, brake anchor (2)
17	297 705 R92	BAND w/two LINING, 297 704 R1 and twenty RIVET, 21 407 H brake (4)	29	297 712 R2	ROD, tension (4)
18	612 398 C1	SPRING, extension (4)	30	287 058 R91	OIL SEAL, clutch lever bearing (8)
19	700 703 C91	BAND w/LINING, 614 513 C1, LINING, 614 514 C1, LINING, 614 515 C1 and twenty RIVET, 21 407 H, L.H. clutch (upper)	31	298 175 R91	BEARING, clutch lever needle (4)
19	700 704 C91	BAND w/LINING, 614 513 C1 LINING, 614 514 C1, LINING, 614 515 C1 and twenty RIVET, 21 407 H, R.H. clutch (upper)	32	287 009 R1	SPRING, clutch (2)
20	297 706 R1	LINK, brake band connecting (4)	33	319 150 R1	LEVER, clutch (Used w/High Mount cable control unit) (2)
21	614 515 C1	LINING, clutch (L.H.) upper	33	297 717 R1	LEVER, clutch (Used w/Low Mount cable control unit) (2)
21	614 513 C1	LINING, clutch (R.H.) upper	35	298 098 R91	BUSHING, clutch lever self-aligning (2)
	21 407 H	RIVET (20)	35	298 098 R91	BUSHING, brake lever self-aligning (4)
22	614 514 C1	LINING, clutch (L.H. & R.H.) upper (2)	36	297 714 R1	SPACER, tension rod (6)
	21 407 H	RIVET (10)	37	454 522 R1	NUT, elastic stop (4)
23	614 513 C1	LINING, clutch (L.H.) upper	38	614 510 C1	SPACER, brake lever inner (2)
23	614 515 C1	LINING, clutch (R.H.) upper	38A	614 511 C1	SPACER, brake lever outer (2)
	21 407 H	RIVET (10)	39	287 058 R91	OIL SEAL, brake lever bearing (4)
24	297 707 R1	PIN, brake band connecting link (8)	40	298 175 R91	BEARING, brake lever needle (4)
	120 466	PIN (8)	41	25 949 R1	NUT, 5/8" jam (Used w/STOP, 623 485 C1) (2)
24	297 707 R1	PIN, brake anchor lower (2)		25 933 R1	NUT, 1/2" jam (4)
	120 466	PIN, cotter (2)		445 671	PLUG, 1/8" NPT sq-hd pipe (2)
24	297 707 R1	PIN, clutch anchor lower (2)		139 886	SCREW, hex-soc dog point set (4)
	120 466	PIN, cotter (2)	623 486 C91	PACKAGE, stop brake release lever 25C-260 521 and below	
24	297 707 R1	PIN, tension rod lower (4)		(Consists of -	
	120 466	PIN, cotter (4)		2 STOP	623 485 C1
				2 NUT 5/8" jam	
				1 DRAWING	IZG-9144)
25	700 705 C91	BAND w/two LINING, 614 515 C1 and twenty RIVET, 21 407 H clutch (lower) (2)			

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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**DOUBLE DRUM REAR-CABLE CONTROL UNIT
CABLE CUTTER**

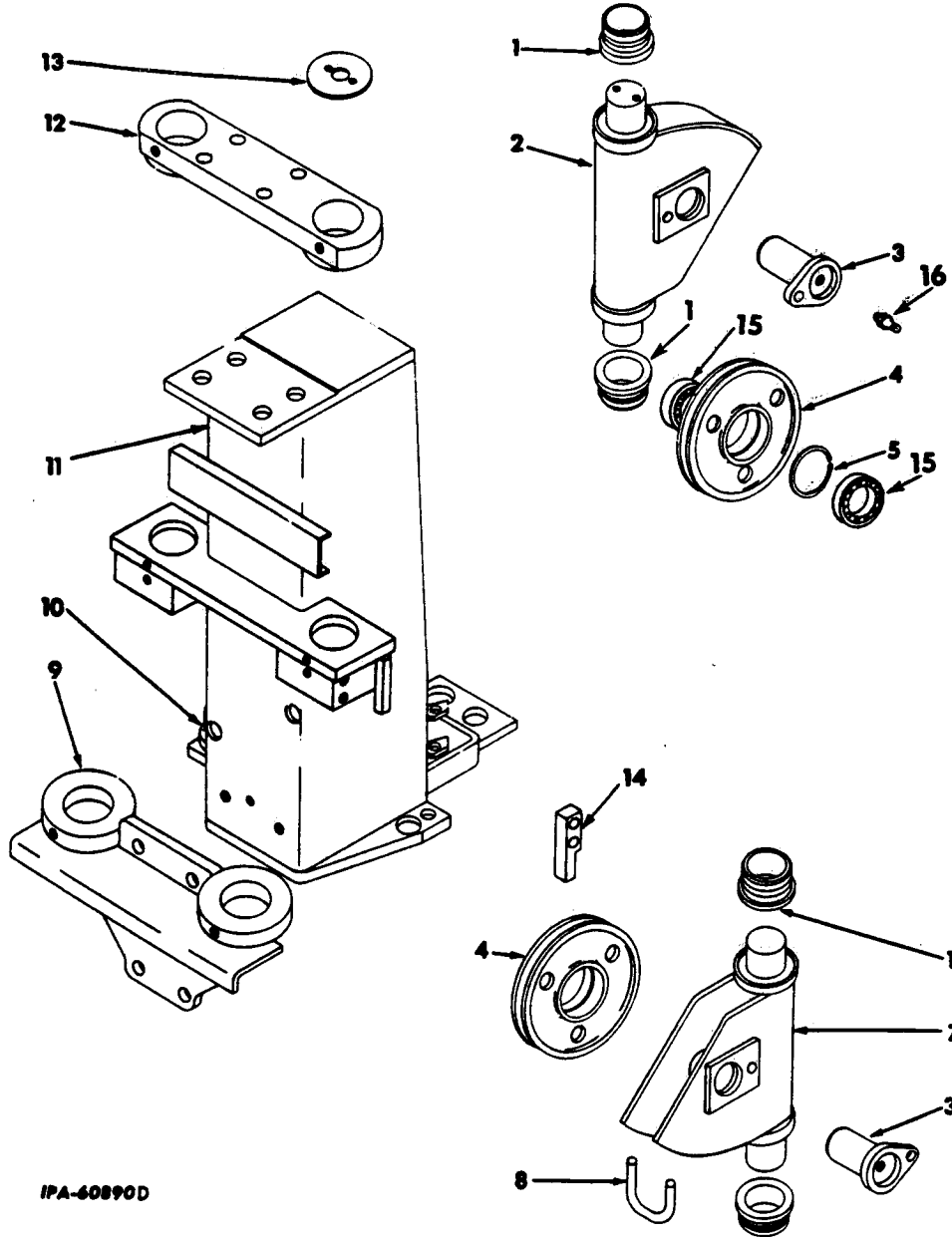


1	289 203 R1	BLADE, bottom (2)
2	289 204 R1	PIN, top cutting blade locking
3	286 552 R91	CUTTER ASSEMBLY, cable (Composed of -
	1 BLADE	289 202 R1
	2 BLADE	289 203 R1
	1 PIN	265 923 R1
	1 PIN	289 204 R1)
4	289 202 R1	BLADE, top cutting
	265 923 R1	PIN, roll

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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**DOUBLE DRUM REAR-CABLE CONTROL UNIT
FAIRLEAD**
(Used With High Mount Cable Control Unit)



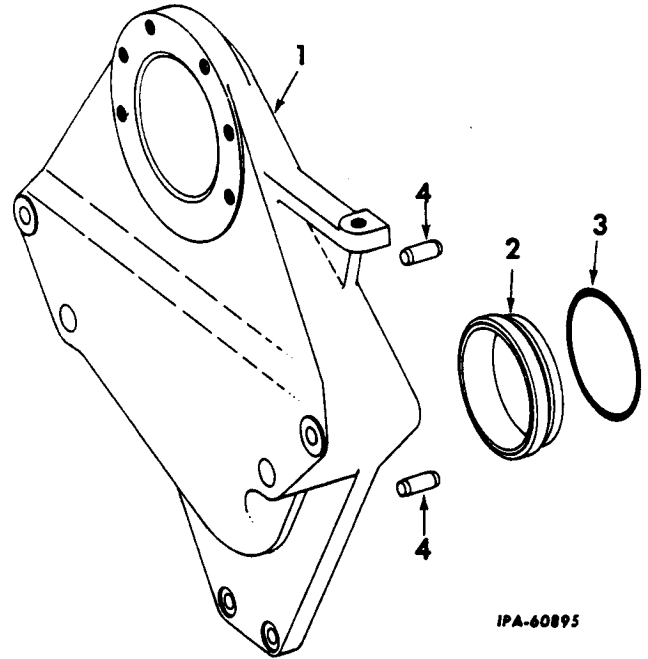
IPA-60890D

1	286 385 R1	BUSHING, fairlead frame (8)	4	294 866 R1	SHEAVE, fairlead (4)
2	308 770 R91	FRAME, upper fairlead (2)	5	290 358 R1	RING, sheave bearing retainer (4)
3	289 273 R11 24 871 R1	SHAFT, fairlead sheave (4) SCREW, hex-hd cap (4)	7	308 769 R91	FRAME w/STIFFENER, 308 802 R2, lower fairlead (2)

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION
DOUBLE DRUM REAR-CABLE CONTROL UNIT FAIRLEAD - Continued		
8	308 802 R2	STIFFENER, lower fairlead frame (2)
9	308 765 R11 25 529 R1 24 888 R1	SUPPORT, tower lower bearing NUT (2) SCREW, hex-hd cap (4)
10	286 552 R91	CUTTER, cable (For components see list of parts under details of "Cable Cutter")
11	319 190 R91 24 888 R1	TOWER w/CUTTER, 286 552 R91, sheave SCREW, hex-hd cap (4)
12	308 764 R11 25 529 R1 24 891 R1	SUPPORT, tower upper bearing NUT (4) SCREW, hex-hd cap (4)
13	286 464 R1 25 752 R1 103 319	SHIELD, fairlead frame bushing dust (2) SCREW, hex-hd cap (4) WASHER, lock (4)
14	326 122 R1 24 875 R1	STOP, lower movable sheave (Not furnished with cable control unit) SCREW, hex-hd cap (2)
15	ST 596	BEARING, fairlead sheave (8)
16	109 461	FITTING, lubrication 1/8" (12)

REF. NO.	PART NUMBER	DESCRIPTION
DOUBLE DRUM REAR-CABLE CONTROL UNIT MOUNTING BRACKET (Used With High Mount Cable Control Unit)		

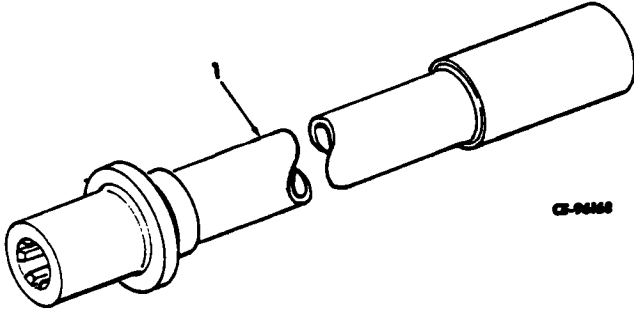


1	319 188 R2 17 266 R1 19 783 R1 25 528 R1 24 875 R1 24 879 R1 24 877 R1	ADAPTER BOLT (2) BOLT (2) NUT (6) SCREW, 2" long hex-hd cap (2) SCREW, 3" long hex-hd cap (5) SCREW, 2-1/2" long hex-hd cap (6)
2	319 189 R1	PLATE, centering
3	264 681 R1	"O" RING, thick
4	19 968 R1	PIN, dowel (Replaces 250 868 R1) (2)

MOUNTED EQUIPMENT.

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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**DOUBLE DRUM REAR-CABLE CONTROL UNIT
POWER TAKE OFF SHAFTS**
(For Use With Model 25G-3 or Model 25D-3 Equipped With
Model 25C-260 Low Mount Double Drum Rear Cable Control
Unit)

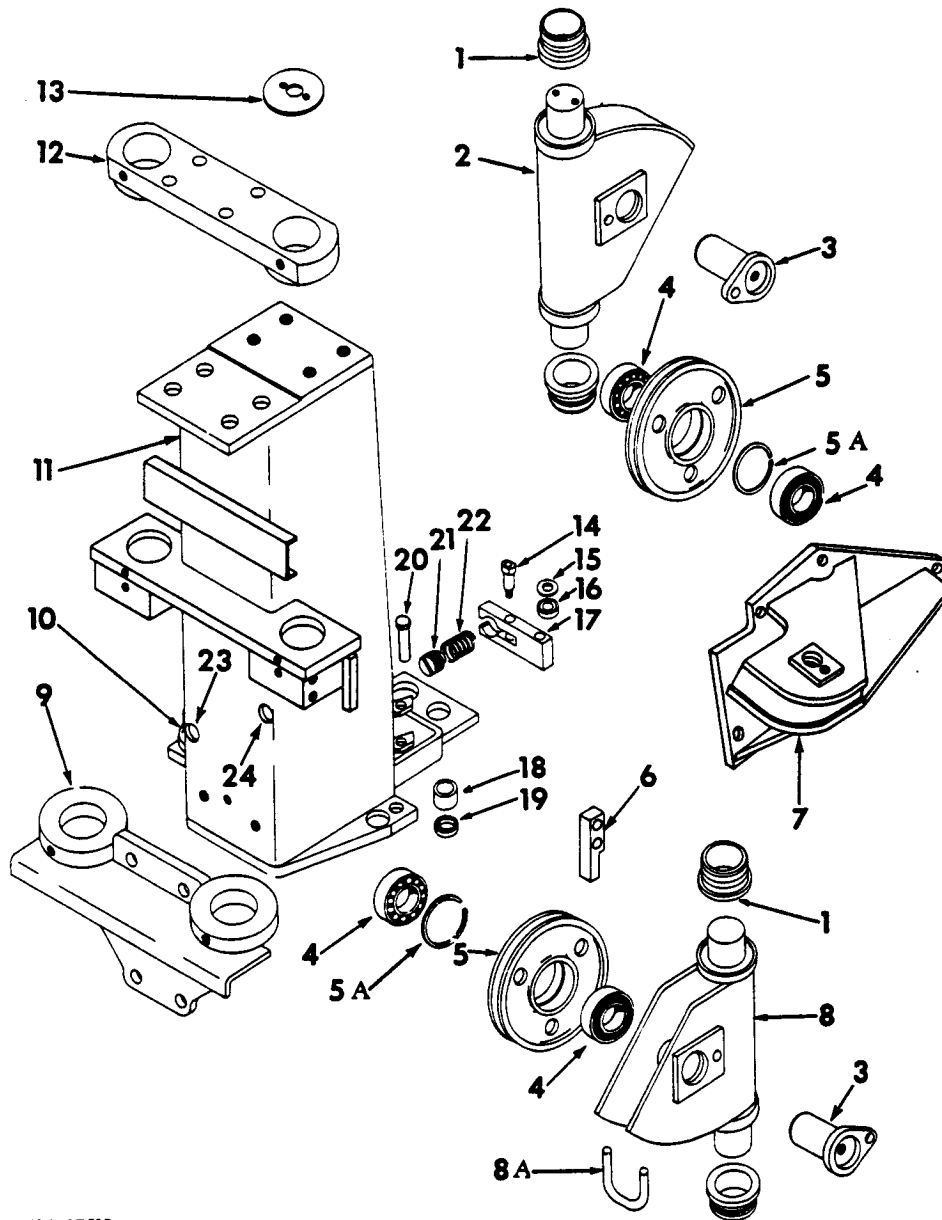


- | | | |
|---|------------|---|
| 1 | 618 222 C1 | SHAFT, PTO (For use on Manual Shift Crawler Tractor, equipped with a 260 Low Mount double drum rear cable control unit) |
| 1 | 618 227 C1 | SHAFT, PTO (For use on Power Shift Crawler Tractors equipped with a 260 Low Mount double drum rear cable control unit) |

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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**DOUBLE DRUM REAR-CABLE CONTROL UNIT
FAIRLEAD**
(Used With Low Mount Cable Control Unit)



IPA-67510

1	286 385 R1	BUSHING, fairlead frame (8)	5A	290 358 R1	RING, sheave bearing retainer (4)
2	308 770 R91	FRAME, upper fairlead (2)	6	326 122 R1 24 875 R1	STOP, lower movable sheave SCREW, hex-hd cap (2)
3	289 273 R11 24 871 R1	SHAFT, fairlead sheave (4) SCREW, hex-hd cap (4)	7	326 114 R91 24 874 R1	HOUSING, side sheave SCREW, hex-hd cap (4)
4	ST 596	BEARING, fairlead sheave (8)	8	308 769 R91	FRAME w/STIFFENER, 308 802 R2, lower fairlead (2)
5	294 866 R1	SHEAVE, fairlead (4)			

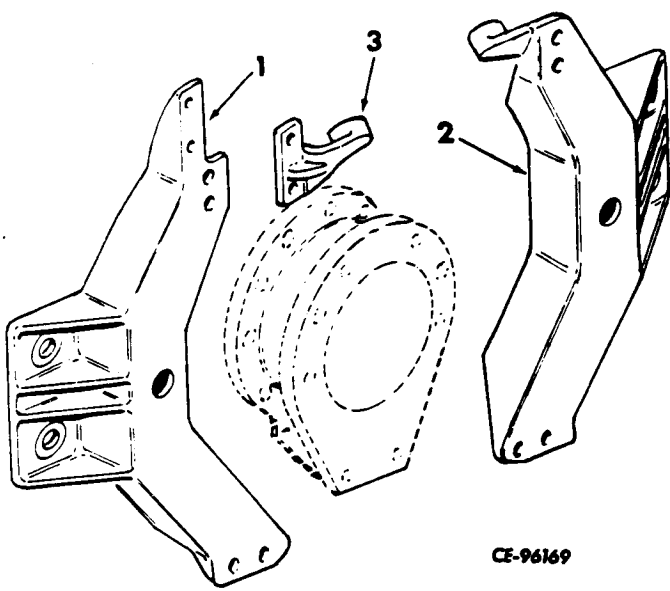
MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
DOUBLE DRUM REAR-CABLE CONTROL UNIT					
FAIRLEAD - Continued					
(Used With Low Mount Cable Control Unit)					
8A	308 802 R2	STIFFENER, lower, fairlead frame (2)			
9	308 765 R11	SUPPORT, tower lower bearing			
	25 529 R1	NUT (2)			
	24 888 R1	SCREW, hex-hd cap (4)			
10	286 552 R91	CUTTER, cable (Refer to "Cable Cutter")			
11	620 720 C91	TOWER w/CUTTER, 286 552 R91, side and fairlead sheave			
	24 888 R1	SCREW, hex-hd cap (4)			
12	308 764 R11	SUPPORT, tower upper bearing			
	25 529 R1	NUT (4)			
	24 891 R1	SCREW, hex-hd cap (4)			
13	286 464 R1	SHIELD, fairlead frame bushing dust (2)			
	25 752 R1	SCREW, hex-hd cap (4)			
	103 319	WASHER, lock (4)			
14	308 762 R1	SHAFT, tower tiller lockout follower (2)			
	25 522 R1	NUT (2)			
	103 321	WASHER, lock (2)			
15	308 761 R1	WASHER, tower tiller lockout follower thrust (4)			
16	309 059 R91	BEARING, tower tiller lockout roller follower (2)			
17	308 760 R1	FOLLOWER, tower tiller lockout spring (2)			
18	298 175 R91	BEARING, tower tiller support needle (2)			
19	287 058 R91	OIL SEAL, tower tiller support bearing (4)			
20	309 749 R1	PIN, end (2)			
	108 630	PIN, cotter (2)			
21	308 763 R1	ADJUSTMENT, tower tiller lockout spring (2)			
22	287 009 R1	SPRING, tower tiller lockout (2)			
23		(Screw adjustment hole)			
24		(Screw adjustment hole)			
	109 461	FITTING, lubrication 1/8" (12)			
	109 462	FITTING, lubrication (2)			

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION
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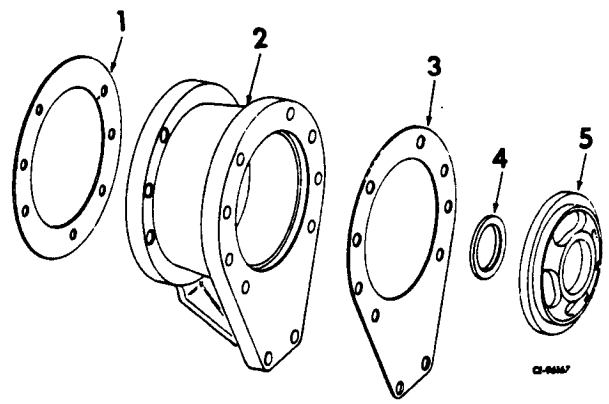
DOUBLE DRUM REAR-CABLE CONTROL UNIT MOUNTING BRACKET
(Used With Low Mount Cable Control Unit)



- 1 618 198 C1 BRACKET, L.H. mounting (will work for BRACKET, 335 960 R1)
 25 764 R1 SCREW, 7/8" dia hex-hd cap (4)
 26 034 R1 SCREW, 1-1/2" dia hex-hd cap (2)
- 2 618 204 C1 BRACKET, R.H. mounting
 26 053 R1 SCREW, 7/8" dia hex-hd cap (4)
 26 034 R1 SCREW, 1-1/2" dia hex-hd cap (2)
- 3 618 194 C1 BRACKET, L.H. bellcrank
 25 526 R1 NUT (2)
 24 864 R1 SCREW, hex-hd cap (2)

REF. NO.	PART NUMBER	DESCRIPTION
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DOUBLE DRUM REAR-CABLE CONTROL UNIT ADAPTER AND RELATED PARTS
(Used With Low Mount Cable Control Unit)

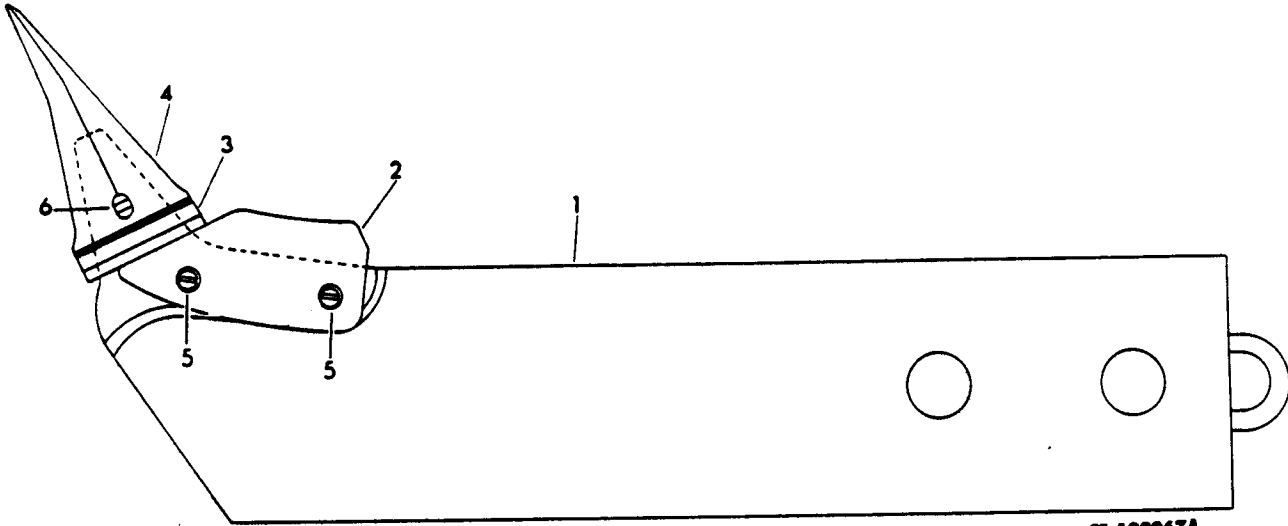


- 1 286 442 R1 GASKET, adapter to gear case
- 2 286 446 R1 ADAPTER
 25 528 R1 NUT (7)
 24 874 R1 SCREW, 1-3/4" long hex-hd cap (9)
 24 876 R1 SCREW, 2-1/4" long hex-hd cap (10)
- 3 286 448 R1 GASKET, adapter to tractor
- 4 286 450 R1 WASHER, thrust
- 5 286 449 R1 PLATE, centering
 286 447 R1 STUD (7)

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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SHANK
(Used With Ripper Attachment and Shank Mounting Attachment)



CE-108067A

635 029 C91	ATTACHMENT, ripper shank (Forged) (See NOTE 2) (Consists of -		2	705 949 C1	PLATE, ripper wear
1	705 950 C91 SHANK, ripper (Consists of -		3	668 985 C1	COLLAR
	1 COLLAR	668 985 C1	4	668 983 C1	POINT
	2 PIN	668 987 C1	5	668 987 C1	PIN, flex (2)
	1 PIN	668 984 C1	6	668 984 C1	PIN, flex
	1 PLATE	705 949 C1		712 572 C91	KIT, shank nose repair
	1 POINT	668 983 C1			(Consists of -
	§ 1 SHANK)			§ 1 NOSE PIECE
					§ 1 PACKAGE (Welding rods)
					§ 1 STICK, temperature
					§ 1 TEMPLATE
					§ 1 INSTRUCTIONS

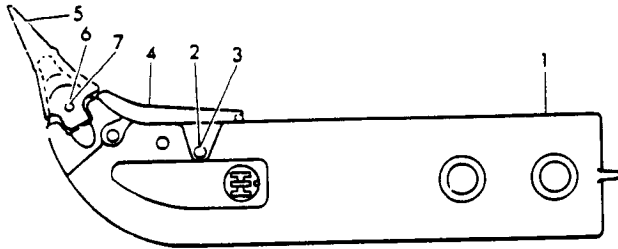
NOTE 2 - Field Application - Order
On Machine Order Form.

§ - Not Furnished Separately.

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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SHANK (Cast)



CI-115484

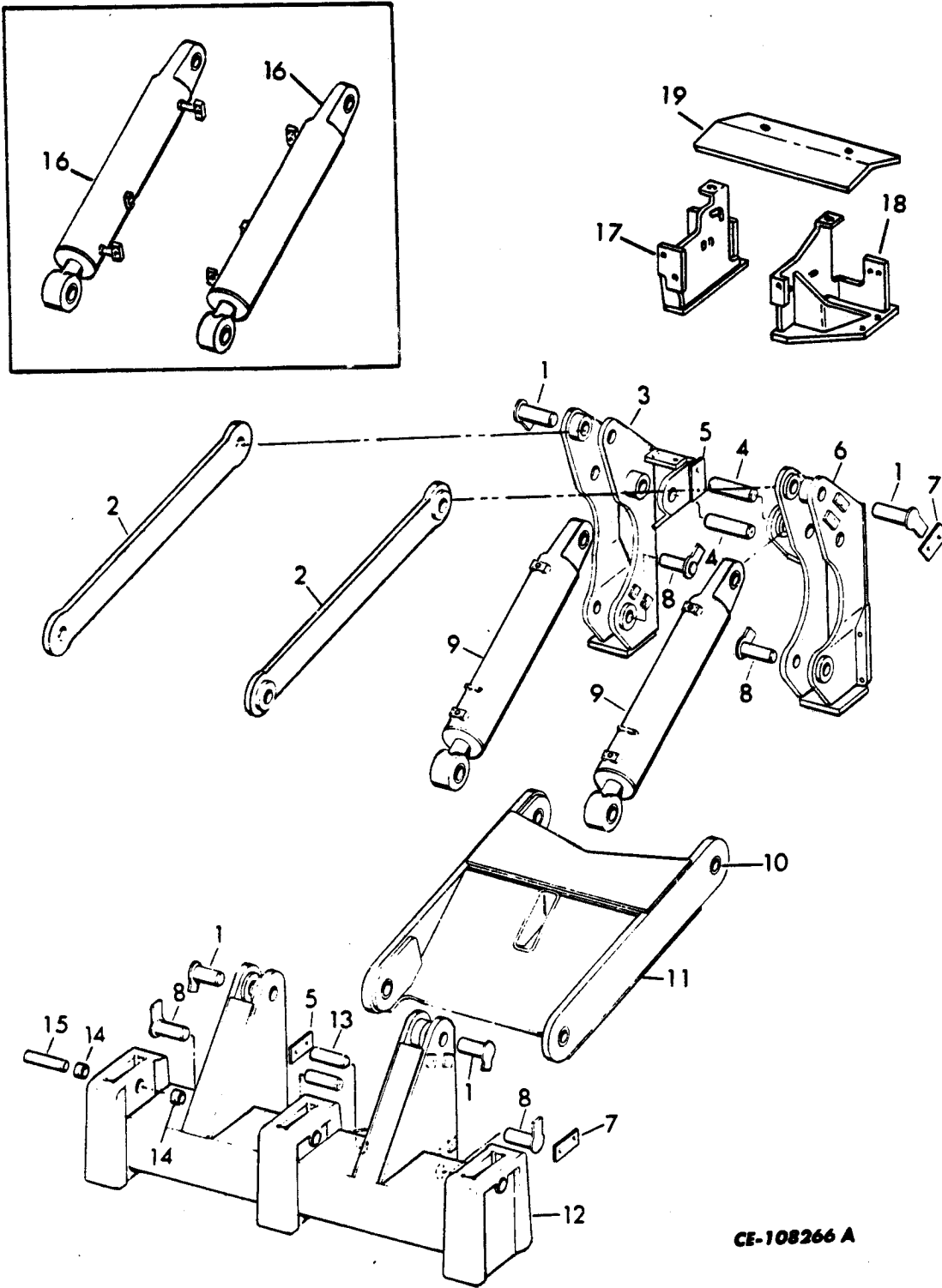
	635 028 C91	ATTACHMENT, ripper shank (Cast) (See NOTE 2) (Consists of -	
1	668 975 C91	SHANK, ripper (Consists of -	
		1 BUSHING	668 978 C1
		2 BUSHING	705 954 C1
		1 PIN	668 979 C1
		2 PIN	705 953 C1
		1 POINT	668 977 C1
		1 SHROUD	668 980 C1)
2	705 953 C1	PIN (2)	
3	705 954 C1	BUSHING (2)	
4	668 980 C1	SHROUD	
	or		
4	710 421 C1	SHROUD	
5	668 977 C1	POINT	
6	668 978 C1	BUSHING	
7	668 979 C1	PIN	
	712 626 C91	KIT, shank nose repair (Consists of -	
		§ 1 NOSEPIECE	
		§ 1 PACKAGE (Welding rods)	
		§ 1 INSTRUCTIONS)

NOTE 2 - Field Application - Order On
Machine Order Form.

§ - Not Furnished Separately.

MOUNTED EQUIPMENT.

RIPPER



CE-108266 A

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
RIPPER - Continued			14	705 929 C1	COLLAR, locking (Part of Shank Mounting Attachment) (2)
				6 909	PIN, headed (2)
				103 419	PIN, cotter (2)
1	668 876 C1	PIN, link (4)			
2	705 902 C91	LINK w/two BUSHING, 705 922 C1 (Not used w/Ripper Pitch) (2)	15	668 961 C2	PIN, shank (Part of Shank Mounting Attachment)
	705 922 C1	BUSHING (4)			
	109 461	FITTING, lube (4)	16		CYLINDER, ripper pitch (Part of Ripper Pitch Attachment) (Refer to "Ripper Pitch Cylinder") (2)
3	705 915 C2	FRAME, LH basic support (On rippers with manual pitch, order FRAME, 717 667 C1 plus BRACKET, 717 624 C1) (On rippers with hydraulic pitch, order FRAME, 717 667 C1 plus BRACKET, 717 671 R1)	17	710 431 C1	BRACKET, support (Used w/FRAME, 705 915 C2) (Part of Ripper Pitch Attachment)
	651 533 C1	STUD (3)		24 862 R1	SCREW, hex-hd cap (3)
	25 671 R1	NUT (7)		116 121	WASHER, lock (3)
	26 609 R1	WASHER, flat (7)		25 536 R1	WASHER, hardened (3)
3	717 667 C1	FRAME, LH basic support	17	717 671 C1	BRACKET, support (Used w/FRAME, 717 667 C1) (Part of Ripper Pitch Attachment)
	651 533 C1	STUD (3)		24 862 R1	BOLT (2)
	25 671 R1	NUT (7)		25 555 R1	WASHER, flat (2)
	26 609 R1	WASHER, flat (7)			
4	668 882 C1	PIN, forward lift cylinder (2)	18	710 435 C1	BRACKET, valve support (Used w/FRAME, 705 916 C2) (Part of Ripper Pitch Attachment)
5	668 875 C1	PLATE, pin retainer (4)		24 862 R1	SCREW, hex-hd cap (3)
	27 416 R1	SCREW, hex-hd cap (8)		116 121	WASHER, lock (3)
	25 538 R1	WASHER, flat hardened (8)		25 536 R1	WASHER, hardened (3)
6	705 916 C2	FRAME, RH basic support (On rippers with manual pitch, order FRAME, 717 668 C1 plus BRACKET, 717 625 C1) (On rippers with hydraulic pitch, order FRAME, 717 668 C1 plus BRACKET, 717 670 C1)	18	717 670 C1	BRACKET, support (Used w/FRAME, 717 668 C1) (Part of Ripper Pitch Attachment)
	651 533 C1	STUD (3)		24 862 R1	BOLT (2)
	25 671 R1	NUT (7)		25 555 R1	WASHER, 1/2" flat (2)
	26 609 R1	WASHER, flat (7)		25 557 R1	WASHER, 3/4" flat (4)
6	717 668 C1	FRAME, RH basic support	19	712 543 C1	COVER, valve (Part of Ripper Pitch Attachment)
	651 533 C1	STUD (3)		24 862 R1	SCREW, hex-hd cap (2)
	25 671 R1	NUT (7)		116 121	WASHER, lock (2)
	26 609 R1	WASHER, flat (7)		25 546 R1	WASHER, flat
				25 526 R1	NUT (2)
7	668 875 C1	PLATE, pin retainer (8)		635 030 C91	ATTACHMENT, shank mounting (Not part of "Ripper Attachment") (Used w/Ripper and Shank Attachments) (See NOTE 2) (Consists of -
	27 416 R1	SCREW, hex-hd cap (16)			2 COLLAR 705 929 C1
	25 538 R1	WASHER, flat hardened (16)			2 PIN 6 909
8	705 913 C2	PIN, draft frame pivot (4)			2 PIN 103 419
9		CYLINDER, ripper lift (Refer to "Ripper Lift Cylinder") (2)			1 PIN 668 961 C2)
10	705 923 C1	BUSHING, draft frame (4)		635 027 C91	ATTACHMENT, ripper (Model 25 R3) (Consists of the following parts which are listed and illustrated throughout this catalog) (See NOTE 2)
11	668 909 C91	FRAME DRAFT w/four BUSHING, 705 923 C1 and four FITTING, 109 461			1 BEAM 712 879 C1
	109 461	FITTING, lube (4)			2 BLOCK 705 935 C1
12	712 879 C1	BEAM, basic tool (Replaces, 710 170 C1)			1 BRACKET 717 624 C1
13	705 930 C1	PIN, rear lift cylinder (2)			1 BRACKET 717 625 C1

NOTE 2 - Field Application - Order on Machine Order Form.

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION
RIPPER - Continued		
635 027 C91		ATTACHMENT, ripper (Model 25R3) (Consists of the following parts which are listed and illustrated throughout this catalog) (See NOTE 2) - Continued
	2 CLAMP	602 449 C1
	2 CLAMP	605 605 C2
	2 CYLINDER ASSY.	666 171 C91
	8 FITTING, lube	109 461
	16 FLANGE HALF	283 172 R1
	1 FRAME ASSY.	668 909 C91
	1 FRAME	717 667 C1
	1 FRAME	717
	4 HOSE	705 936 C1
	1 HOSE	705 937 C1
	1 HOSE	710 190 C1
	2 LINK ASSY.	705 902 C91
	18 NUT	25 671 R1
	2 "O" RING	343 906 R1
	10 "O" RING	380 794 R1
	4 PIN	668 876 C1
	2 PIN	668 882 C1
	4 PIN	705 913 C2
	2 PIN	705 930 C1
	12 PLATE	668 875 C1
	4 PLATE	668 883 C1
	4 SCREW	24 839 R1
	14 SCREW	24 843 R1
	4 SCREW	24 862 R1
	24 SCREW	27 416 R1
	28 SCREW	140 483 H
	4 STRAP	327 272 R91
	10 STUD	651 533 C1
	1 TUBE	705 932 C1
	1 TUBE	705 933 C1
	2 TUBE	710 186 C1
	2 WASHER	25 534 R1
	4 WASHER	25 536 R1
	24 WASHER	25 538 R1
	18 WASHER	26 609 R1
	6 WASHER	115 093
	1 MANUAL	1 085 745 R3)

635 993 C91		ATTACHMENT, ripper pitch (For machines equipped w/Model 25R3 Ripper and two lever controls) (Consists of the following parts which are listed and illustrated throughout this catalog) (See NOTE 2)
	2 BEARING	614 799 C91
	1 BOLT	295 535 R1
	1 BRACKET	717 671 C1
	1 BRACKET	717 670 C1
	2 CLAMP	279 024 R91
	2 CLAMP	602 449 C1
	7 CLAMP	710 458 C1
	1 CONNECTOR	157 519 C1
	3 CONNECTOR	9 402 706
	1 CONNECTOR	9 409 910
	1 COVER	712 543 C1
	2 CYLINDER ASSY.	707 149 C91

REF. NO.	PART NUMBER	DESCRIPTION
1	ELBOW	156 264 C91
2	ELBOW	346 737 R1
3	ELBOW	9 402 862
2	ELBOW	9 410 278
2	EYE	629 756 C1
5	FITTING	109 461
4	FLANGE HALF	877 949 C2
32	FLANGE HALF	283 172 R1
1	GATE	711 868 C1
1	GRIP	616 659 C1
2	HOSE	630 767 C1
1	HOSE	649 615 C1
1	HOSE	710 445 C1
1	HOSE	710 446 C1
1	HOSE	710 447 C1
4	HOSE	710 452 C1
4	HOSE	710 453 C2
1	HOSE	711 972 C1
1	HUB	711 861 C1
1	INDICATOR	602 241 C1
2	MANIFOLD	710 457 C2
5	NUT	25 519 R1
1	NUT	25 520 R1
14	NUT	25 526 R1
2	NUT	25 932 R1
2	NUT	25 933 R1
1	NUT	9 403 530
1	"O" RING	285 724 R1
10	"O" RING	343 906 R1
2	"O" RING	350 818 R1
2	"O" RING	364 839 R1
18	"O" RING	380 794 R1
1	PIN	U 5348
1	PIN	103 384
1	PRODUCT GRAPHIC REDUCER	712 875 C1
1	REDUCER	9 403 403
8	SCREW	24 621 R1
4	SCREW	24 843 R1
3	SCREW	24 861 R1
13	SCREW	24 862 R1
2	SCREW	24 868 R1
4	SCREW	24 839 R1
2	SCREW	25 672 R1
3	SCREW	25 881 R1
84	SCREW	140 483 H
2	SEAL	336 181 R91
1	SHAFT	711 869 C1
1	SHEET	712 594 C1
6	SPACER	711 971 C1
2	SPRING	634 893 C1
1	SPRING	659 914 C1
4	STRAP	327 273 R91
3	STRAP	610 213 C91
1	TEE	444 251
1	TEE	9 411 133
2	TUBE	710 440 C1
1	TUBE	710 441 C1
1	TUBE	710 442 C1
1	TUBE	710 443 C1
1	TUBE	710 444 C1
1	TUBE	710 448 C1
1	TUBE	710 449 C1

NOTE 2: Field Application - Order on Machine Order Form.

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
RIPPER - Continued					
635 993 C91		ATTACHMENT, ripper pitch - Cont.			
	1 VALVE	656 031 C91		1 HOSE	710 446 C1
	1 VALVE	658 913 C91		1 HOSE	710 447 C1
	1 VALVE	707 103 C91		4 HOSE	710 452 C1
	2 WASHER	25 536 R1		4 HOSE	710 453 C2
	5 WASHER	25 542 R1		1 HOSE	711 972 C1
	7 WASHER	25 546 R1		1 HUB	711 861 C1
	4 WASHER	25 555 R1		1 INDICATOR	602 241 C1
	4 WASHER	25 557 R1		12 LINK	668 875 C1
	76 WASHER	115 093		2 MANIFOLD	710 457 C2
	5 WASHER	115 109		5 NUT	25 519 R1
	14 WASHER	116 121		1 NUT	25 520 R1
	2 WASHER	147 577		14 NUT	25 526 R1
	1 YOKE	711 865 C1		14 NUT	25 671 R1
	1 MANUAL	1 085 745 R3)		2 NUT	25 932 R1
				2 NUT	25 933 R1
				1 NUT	9 403 530
679 018 C91		ATTACHMENT, Model 25R3 Ripper with Hydraulic Pitch (For use on machines with two lever hydraulic controls, shank ATTACHMENT, and mounting pin ATTACHMENT) (Not used with rigid or swinging drawbar) (Consists of the following parts which are listed and illustrated throughout this catalog) (See NOTE 2)		1 "O" RING	285 724 R1
	1 BEAM	712 879 C1		10 "O" RING	343 906 R1
	2 BEARING	614 799 C91		2 "O" RING	350 818 R1
	8 BOLT	24 621 R1		2 "O" RING	364 839 R1
	8 BOLT	24 839 R1		20 "O" RING	380 794 R1
	12 BOLT	24 843 R1		1 PIN	U 5348
	3 BOLT	24 861 R1		1 PIN	103 384
	13 BOLT	24 862 R1		4 PIN	668 876 C1
	2 BOLT	24 868 R1		4 PIN	705 913 C2
	2 BOLT	25 672 R1		2 PIN	705 930 C1
	3 BOLT	25 881 R1		2 PIN	668 882 C1
	28 BOLT	27 416 R1		1 PRODUCT	
	84 BOLT	140 483 H		GRAPHIC	712 875 C1
	1 BOLT	295 535 R1		1 REDUCER	9 403 403
	1 BRACKET	717 671 C1		2 SEAL	336 181 R91
	1 BRACKET	717 670 C1		1 SHAFT	711 869 C1
	2 CLAMP	279 024 R91		1 SHAFT	712 594 C1
	4 CLAMP	602 449 C1		6 SPACER	711 971 C1
	7 CLAMP	710 458 C1		2 SPRING	634 893 C1
	1 CONNECTOR	157 519 C1		1 SPRING	659 914 C1
	3 CONNECTOR	9 402 706		4 STRAP	327 273 R91
	1 CONNECTOR	9 409 910		3 STRAP	610 213 C91
	1 COVER	712 543 C1		6 STUD	651 533 C1
	2 CYLINDER	666 171 C91		1 TEE	444 251
	2 CYLINDER	707 149 C91		1 TEE	9 411 133
	1 DRAFT FRAME	668 909 C91		2 TUBE	710 186 C1
	1 ELBOW	156 264 C91		2 TUBE	710 440 C1
	2 ELBOW	346 737 R1		1 TUBE	710 441 C1
	3 ELBOW	9 402 862		1 TUBE	710 442 C1
	2 ELBOW	9 410 278		1 TUBE	710 443 C1
	2 EYE	629 756 C1		1 TUBE	710 444 C1
	9 FITTING	109 461		1 TUBE	710 448 C1
	32 FLANGE			1 TUBE	710 449 C1
	HALF	283 172 R1		1 VALVE	656 031 C91
	4 FLANGE			1 VALVE	658 913 C91
	HALF	877 949 C2		1 VALVE	707 103 C91
	1 FRAME	717 667 C1		28 WASHER	25 536 R1
	1 FRAME	717 668 C1		28 WASHER	25 538 R1
	1 GATE	711 868 C1		5 WASHER	25 542 R1
	1 GRIP	616 659 C1		7 WASHER	25 546 R1
	2 HOSE	630 767 C1		4 WASHER	25 555 R1
	1 HOSE	649 615 C1		4 WASHER	25 557 R1
	1 HOSE	710 445 C1		14 WASHER	26 609 R1
				88 WASHER	115 093
				5 WASHER	115 109
				14 WASHER	116 121
				2 WASHER	147 577
				1 YOKE	711 865 C1
				1 MANUAL	1 085 745 R3)

NOTE 2 -Field Application - Order On Machine Order Form.

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9 402 869	12 - 31	9 410 981	7 - 7A				
9 402 870	7 - 73	9 410 981	7 - 81				
9 402 870	10 - 103	9 410 981	7 - 85				
9 403 403	10 - 52	9 410 981	10 - 8A				
9 409 910	10 - 51	9 410 982	7 - 74				
9 409 927	11 - 7	9 410 982	7 - 77				
9 409 931	11 - 3	9 410 982	7 - 7A				
9 409 931	11 - 4	9 410 982	7 - 81				
9 409 931	11 - 7	9 410 982	7 - 82				
9 409 931	11 - 8	9 410 982	7 - 84				
9 409 931	11 - 11	9 410 982	10 - 83				
9 409 931	11 - 12	9 410 982	10 - 87				
9 409 934	7 - 41	9 410 982	10 - 88				
9 409 934	7 - 45	9 411 100	10 - 88				
9 409 934	7 - 49	9 411 106	7 - 54				
9 409 943	11 - 4	9 411 106	7 - 57				
9 409 943	11 - 7	9 411 107	10 - 83				
9 409 943	11 - 12	9 411 107	10 - 8A				
9 409 949	17 - 26	9 411 110	7 - 73				
9 409 949	17 - 34	9 411 110	10 - 83				
9 409 954	10 - 4	9 411 133	10 - 52				
9 410 203	10 - 107	9 413 953	7 - 16				
9 410 204	7 - 54	9 413 957	10 - 43				
9 410 204	10 - 79	9 413 957	10 - 45				
9 410 205	10 - 77	9 413 957	10 - 47				
9 410 205	10 - 83	9 413 957	10 - 49				
9 410 205	10 - 87	9 413 962	17 - 11				
9 410 207	7 - 64	9 413 983	17 - 10				
9 410 207	10 - 90						
9 410 208	7 - 63						
9 410 208	7 - 65						
9 410 208	7 - 73						
9 410 208	7 - 77						
9 410 208	7 - 81						
9 410 208	7 - 85						
9 410 207	10 - 83						
9 410 257	10 - 87						
9 410 260	7 - 73						
9 410 260	7 - 77						
9 410 260	7 - 81						
9 410 260	10 - 83						
9 410 260	10 - 88						
9 410 278	10 - 52						
9 410 281	10 - 103						
9 410 281	10 - 107						
9 410 285	7 - 66						
9 410 285	10 - 87						
9 410 286	7 - 77						
9 410 286	7 - 81						
9 410 286	10 - 84						
9 410 286	10 - 88						
9 410 311	10 - 87						
9 410 358	10 - 5						
9 410 358	10 - 56						
9 410 359	7 - 117						
9 410 360	7 - 24						
9 410 363	7 - 90						
9 410 363	10 - 14						
9 410 977	10 - 19						
9 410 977	10 - 20						
9 410 977	10 - 23						
9 410 977	10 - 24						
9 410 977	10 - 27						
9 410 977	10 - 28						
9 410 977	10 - 33						
9 410 977	10 - 34						
9 410 978	7 - 54						