

CE-96521

TD-20 "SERIES C" Crawler Tractor, with Model 20-D2 Hydraulic Bulldozer,
Hydraulic Tilt Attachment and Track Roller Shield Attachment.

MEMORANDA

INTRODUCTION

This catalog contains a list of parts for the following:

CRAWLER TRACTORS

- TD-20 (Series C) Manual Shift Custom
- TD-20 (Series C) Power Shift
- TD-20 (Series C) Sideboom

These crawler tractors have a eight-cylinder 4-1/2 x 4-1/2 inch turbocharged 573 Series B diesel engine.

CABLE OPERATED BULLGRADER AND BULLDOZERS

- Model 20C D-3 Bulldozer
- Model 20C G-3 Bullgrader

HYDRAULIC OPERATED BULLGRADERS AND BULLDOZERS

- Model 20C D-2 Bulldozer
- Model 20C G-2 Bullgrader

CABLE CONTROL UNITS

- Model 20-260 Double drum rear mounted
- Model 20-260S Single drum rear mounted

Refer to paragraph 9 for key to model numbers and letters.

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 printed in a double column page format, and is divided into four sections-- Introductory Pages, Indexes to Units, Illustrations and Parts Lists, and Numerical Index.

(1) INDEXES. Two types of indexes are used. The index to units alphabetically lists all of the units by page number. The numerical index at the back of the catalog lists all part numbers (excluding standard fasteners) giving the page number where the part is listed.

NOTE - Refer frequently to the Index to Units to save time of locating the proper unit.

(2) ILLUSTRATIONS. Parts in this catalog are illustrated by the "exploded view" method. Individual parts in each illustration are shown where they belong in relation to one another. Reference numbers only are shown in each illustration. These numbers correspond with numbers in the Reference Number Column in the accompanying list of parts. Parts in illustrations without reference numbers are the

same as duplicate parts with reference numbers.

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

(3) METHOD OF LISTING. The parts list of each classification is divided into units. Parts are listed in order according to reference number shown in the illustration, followed by a full description based upon the "noun first" method --- i. e. , the noun name of the part is listed first then the modifying descriptive information which serves to specifically identify the item. For example: SHAFT w/two PLUGS, valve lever. Parts not shown in illustration appear at end of list in alphabetical sequence by noun name. Parts listed will work on all units covered in this catalog unless a serial number or other qualifying designation is given for purpose of identification.

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

(4) NUMBER REQUIRED. In this new double-column catalog format the single "No. Req'd." column is eliminated and the quantity used of each item is shown in parenthesis (4) following the description of the item. Where no quantity is indicated it should be understood to mean that only one (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 parenthesis following the description of the parts. When letters (A, B, C, etc. ,) are shown without a quantity it 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.

(5) 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 on of the following methods.

(a) The listings are fully covered by descriptions for simple assemblies and attachments.

INTRODUCTION

(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 shows the assembly or attachment number at the beginning of the unit list, 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.

(6) 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. Hardware parts identified with part numbers have been designed for a specific usage. Standard hardware parts should not be substituted for them.

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

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

The part number for Common Hardware items is eliminated. However, Design Hardware items will continue to be listed by part number and description.

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 will be considered "Plain"

unless otherwise specified. 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".

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

(7) ABBREVIATIONS. The abbreviations used in this catalog are explained in the list of abbreviations on page 6.

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(8) SERIAL NUMBERS

CRAWLER TRACTORS:

Crawler Tractor	Engine Starting Serial Number*	Chassis Starting Serial Number*
TD-20 (Series C) Manual Shift Custom	574TC2U005001	4260126U)) Followed) without) spacing) by a) single) series of) six digit) sequence) numbers
TD-20 (Series C) Power Shift	574TC2U005001	4260125U)) 025001) and up)
TD-20 (Series C) Sideboom	574TC2U005001	4260409U))

*Only the sequence number of the complete serial number is listed in this catalog to identify parts.

The engine serial numbers are stamped on a pad on the top rear side of the engine crankcase, below the turbocharger.

The chassis serial numbers are stamped on the model plate attached to the left hand seat side.

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

No attempt is made at the factory to have the engine and chassis serial numbers correspond.

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

(9) BULLGRADERS AND BULLDOZERS:

Model	Number Code	Letter Code
20C G-2	2. Using Hydraulic Control Unit.	G - Bullgrader
20C D-2		D - Bulldozer
20C G-3	3. Using Rear Mounted Cable Control Unit	
20C D-3		

LIST OF ABBREVIATIONS

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

adj	adjustable	int	internal
al	aluminum	lb	pound, pounds
aly-stl	alloy steel	lentil-hd	lentil head
amp	ampere, amperes	LH	left hand
anl	annealed	lkg	locking
approx	approximately	LP Gas	Liquefied Petroleum Gas
assy	assembly	lub	lubrication
att	attachment	mach	machine
bd-hd	binding head	med	medium
b-hd	button head	MI	malleable iron
brg	bearing	NC	National Coarse Thread
brs	brass	NF	National Fine Thread
brz	bronze	ni	nickel
cd-pltd	cadmium plated	ni-pltd-stl	nickel plated steel
cd-pltd-stl	cadmium plated steel	No.	number
cr-pltd	chromium plated	NPT	National pipe thread
cr-pltd-stl	chromium plated steel	OC	outside circumference
CI	cast iron	OD	outside diameter
csk	countersunk	O/S	oversize
csk-hd	countersunk head	ov-hd	oval head
cl-rec-hd	clutch recess head	oz	ounce
com	common	parkerized-stl	parkerized steel
cone-pt	cone point	pkg	package
contd	continued	pltd	plated
cop	copper	pt	point
cop-pltd	copper plated	PTO	power take-off
cot.	cotter	rd-end	round end
c-pin	cotter pin	rd-hd	round head
cres	corrosion-resistant-steel (stainless)	rd-pt	round point
cr-rec-hd	cross recess head	reg	regular
cre	corrosion resisting	RH	right hand
crg	carriage	RPM	revolutions per minute
cup-pt	cup point	SAE	Society of Automotive Engineers
cyl	cylinder, cylinders	sf	semi-finished
deg	degree	slt	slotted
dia	diameter	slt-hd	slotted head
dld	drilled	slt-bd-hd	slotted binding head
dld-f/c-pin	drilled for cotter pin	slt-fil-hd	slotted fillister head
dld-f/lkg-wire	drilled for locking wire	slt-f-hd	slotted flat head
dog-pt	dog point	slt-hex-hd	slotted hexagon head
ext	external	slt-pan-hd	slotted pan head
f/	for	slt-rd-hd	slotted round head
fem	female	slt-truss-hd	slotted truss head
fil-hd	fillister head	sq	square
fin-nk	fin neck	sq-hd	square head
f-csk-hd	flat countersunk head	sq-nk	square neck
f-fil-hd	flat fillister head	std	standard
f-hd	flat head	std-hd	standard head
f-pt	flat-point	stl	steel
flex	flexible	str	straight
fltd	fluted	T	teeth
ft	foot (or feet)	tap.	tapping
ga	gauge	thd	thread
hd	head	U/S	undersize
hdls	headless	unfin	unfinished
hex.	hexagon	wagon-box-hd	wagon box head
hex-hd	hexagonal-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
in.	inch or inches	zn-pltd	zinc

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DIESEL ENGINE

BASIC SERVICE ENGINE (DVT-573B)

for

TD-20 (Series C) CRAWLER TRACTOR

Basic Service Diesel Engine (Will be furnished in next revision)

REPLACEMENT SERVICE ENGINE (DVT-573B)

for

TD-20 (Series C) CRAWLER TRACTOR

672 244 C91

ENGINE, replacement (Model TD-20 (Series C) Manual Shift Custom)
(See NOTE) (Diesel engine complete from water pump to flywheel
housing inclusive except the following)

AIR CLEANER & BRACKETS
ENGINE FRONT SUPPORT
EXHAUST ELBOW BRACE
EXHAUST MUFFLER
FAN
TURBOCHARGER AIR INLET ELBOW
WATER PUMP INLET ELBOW & GASKET

672 243 C91

ENGINE, replacement (Model TD-20 (Series C) Power Shift and
Sideboom) (See NOTE) (Diesel engine complete from water pump
to flywheel housing inclusive except the following)

AIR CLEANER & BRACKETS
ENGINE FRONT SUPPORT
EXHAUST ELBOW BRACE
EXHAUST MUFFLER
FAN
TURBOCHARGER AIR INLET ELBOW
WATER PUMP INLET ELBOW & GASKET

NOTE: When ordering a Service Engine, give complete serial number (including
letters and numerals) shown on crankcase of engine to be replaced.

MEMORANDA

**QUICK REFERENCE
FOR
FILTER ELEMENTS AND BELTS**

ELEMENTS

FUEL SYSTEM

Primary fuel filter element	625 627 C1
Final fuel filter element	674 293 C1

AIR CLEANER

Inner air cleaner element	627 128 C1
Outer air cleaner element	627 127 C1

LUBRICATION SYSTEM

Lubricating oil filter element w/gasket	602 998 C91
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HYDRAULIC SYSTEM

Safety and suction element w/gasket	346 821 R91
Suction filter element w/gasket	606 390 C91
Pressure filter element	381 256 R91
Hydraulic tank filter element	336 527 R91
Hydraulic tank filter element	336 670 R5

BELTS

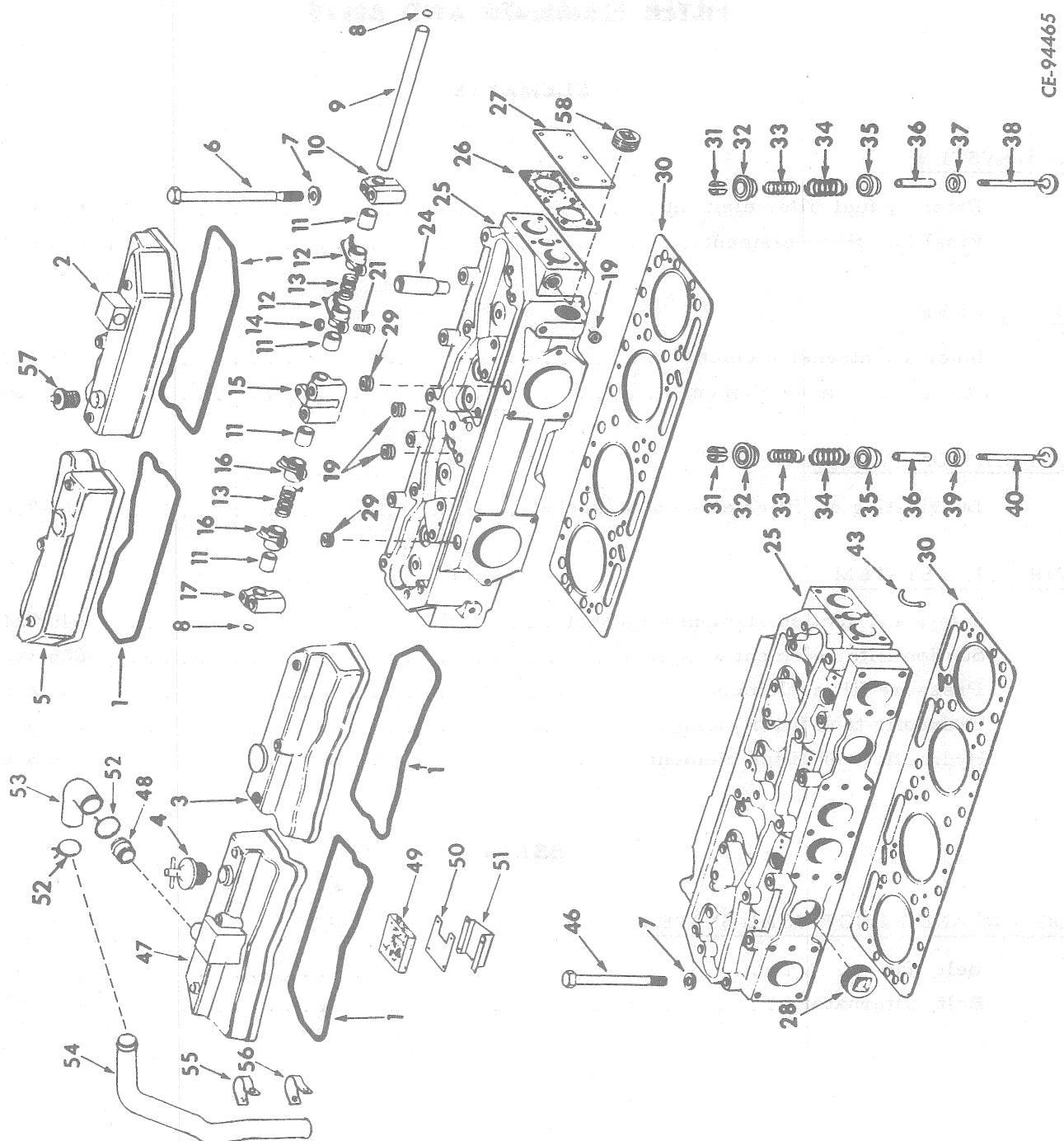
COOLING AND ELECTRICAL SYSTEM

Belt, fan	680 688 C1
Belt, alternator	671 982 C1

DIESEL ENGINE

CYLINDER HEAD, VALVE COVER, VALVES, ROCKER ARMS, AND CRANKCASE VENTILATION

CYLINDER HEAD, VALVE COVER, VALVES, ROCKER ARMS, AND CRANKCASE VENTILATION - Continued



CE-94465

DIESEL ENGINE

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2	607 495 C2	COVER, cylinder head (Cylinder Nos. 6 and 8)		103 321	3/8" lock WASHER (12)
	24 619 R1	BOLT, attaching (3)	28	21 502 R1	PLUG, 1-1/2" sq-soc pipe (4)
	116 103	GASKET, annular (3)	29	444 654	PLUG, 1/4" sq-soc pipe (4)
3	672 931 C1	COVER, cylinder head (Cylinder Nos. 5 and 7)	30	345 272 R2	GASKET, cylinder head (2)
	17 484 R1	BOLT, attaching (not used with OIL FILLER CAP LOCK ATTACHMENT 628 012 C91)	31	60 437 R1	LOCK, retainer (32)
	116 103	GASKET, annular (not used with OIL FILLER CAP LOCK ATTACHMENT 628 012 C91)	32	341 076 R1	RETAINER, valve spring (16)
4	303 761 R91	CAP, filler (not used with OIL FILLER CAP LOCK ATTACHMENT 628 012 C91)	33	133 472 R1	SPRING, valve inner (16)
5	672 931 C1	COVER, cylinder head (Cylinder Nos. 2 and 4)	34	133 473 R1	SPRING, valve outer (16)
	17 484 R1	BOLT, attaching (3)	35	337 375 R91	ROTATOR, valve (16)
	116 103	GASKET, annular (3)	36	341 059 R1	GUIDE, valve (16)
6	601 943 C2	BOLT, cylinder head long (16)	37	671 302 C1	INSERT, intake valve seat (regular) (8)
7	39 422 D	WASHER, cylinder head bolt (40)	37	671 637 C1	INSERT, intake valve seat (.005" over- size) (8)
8	291 171 C1	PLUG, expansion (8)	37	671 638 C1	INSERT, intake valve seat (.015" over- size) (8)
9	328 743 R21	SHAFT w/two PLUG 291 171 C1, valve lever (4)	38	671 304 C1	VALVE, intake (8)
10	328 745 R3	BRACKET, RH valve lever (4)	39	610 272 C1	INSERT, exhaust valve seat (regular) (8)
11	326 838 R3	BUSHING, valve lever (16)	39	609 033 C1	INSERT, exhaust valve seat (.005" over- size) (8)
12	328 742 R21	LEVER w/BUSHING 326 838 R3, NUT 133 093 R1 and SCREW 16 067 DA, valve RH (8)	39	609 034 C1	INSERT, exhaust valve seat (.015" over- size) (8)
13	133 642 R1	SPRING, shaft (8)	40	341 057 R3	VALVE, exhaust (8)
14	133 093 R1	NUT, lock (16)	43	328 741 R1	TUBE, jet (16)
15	332 429 R1	BRACKET, valve lever center (4)	46	601 944 C2	BOLT, cylinder head short (24)
16	326 837 R21	LEVER w/BUSHING 326 838 R3, NUT 133 093 R1 and SCREW 16 067 DA, valve LH (8)	47	607 496 C21	COVER, cylinder head (Cylinder Nos. 1 and 3) (Composed of - 1 COVER 607 499 C1 1 ELEMENT 601 868 C1 1 PLATE 607 498 C1 1 TUBE 607 497 C1)
17	328 744 R3	BRACKET, LH valve lever (4)		24 619 R1 116 103	BOLT, attaching (3) GASKET, annular (3)
19	445 751	PLUG, 1/2" sq-soc pipe (Optional with PLUG 444 788) (6)	48	607 497 C1	TUBE, cover outlet
19	444 788	PLUG, 1/2" sq-soc pipe (Optional with PLUG 445 751) (6)	49	601 868 C1	ELEMENT, breather
21	16 067 DA	SCREW, adjusting (16)	50	607 498 C1 127 650	PLATE, breather No. 10 x 1/2" hex-hd mach SCREW (4)
24	326 503 R1	SLEEVE, nozzle (8)	51	607 499 C1	COVER, breather
25	671 651 C93	HEAD ASSY, cylinder (2) (Composed of - 8 GUIDE 341 059 R1 §1 HEAD 4 INSERT 671 302 C1 4 INSERT 610 272 C1 2 PLUG 444 654 2 PLUG 21 502 R1 3 PLUG 445 751 1 PLUG 444 678 4 SLEEVE 326 503 R1 8 TUBE 328 741 R1)	52	610 320 C1	CLAMP, breather tube (2)
26	315 955 R1	GASKET, cylinder head end cover (2)	53	609 000 C1	HOSE, breather
			54	672 031 C1	TUBE, breather
			55	609 002 C1	CLIP, breather tube upper
			56	609 325 C1	CLIP, breather tube lower
			57	613 681 C91	CAP, valve cover hole
			58	444 678	PLUG, 1/8" sq-soc pipe (2)

§ - Not Furnished Separately.

DIESEL ENGINE

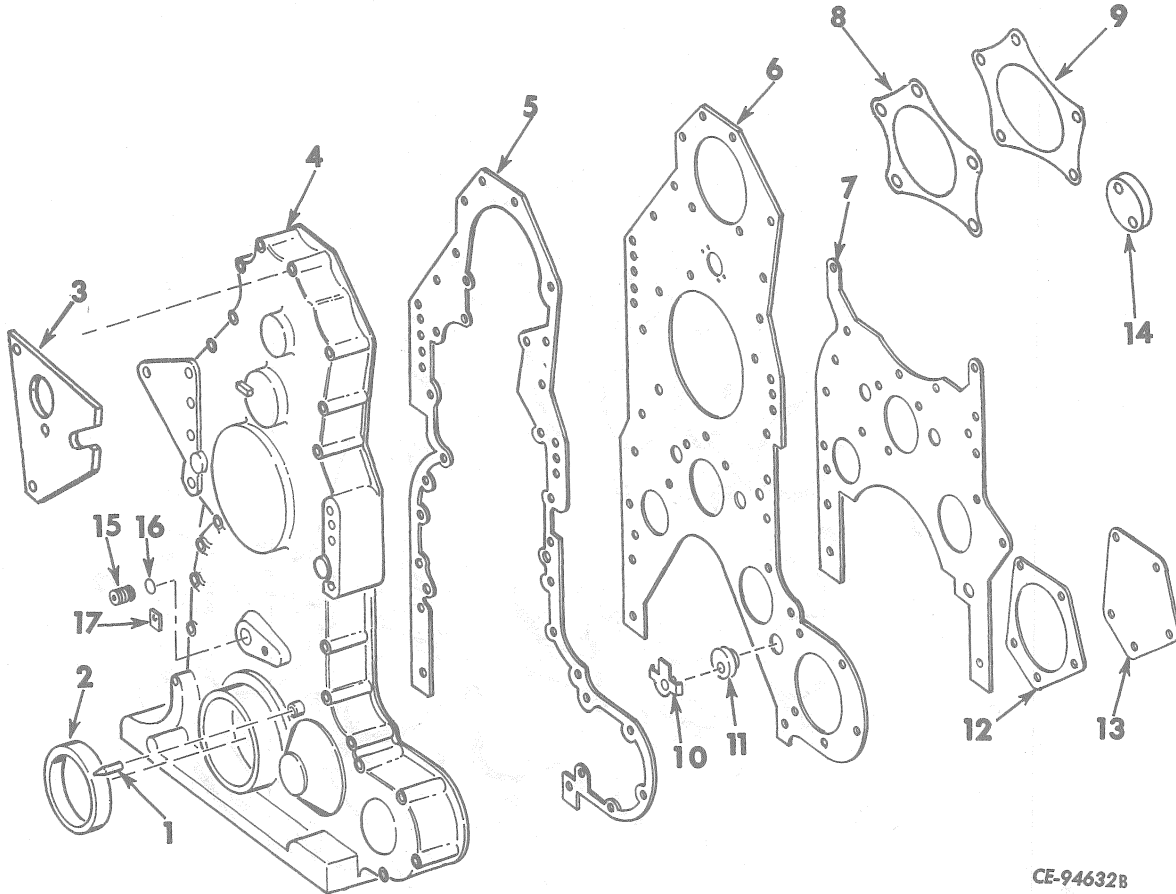
REF. NO.	PART NUMBER	DESCRIPTION
CYLINDER HEAD, VALVE COVER, VALVES, ROCKER ARMS, AND CRANKCASE VENTILATION - Continued		
349 068 R95		PACKAGE, cylinder head gasket (Consists of the following -
345 272 R2		GASKET, cylinder head (2)
337 314 R1		GASKET, cylinder head cover (4)
315 955 R1		GASKET, cylinder head end cover (4)
675 886 C1		GASKET, exhaust manifold (center) (2)
675 885 C1		GASKET, exhaust manifold (front & rear) (4)
671 957 C1		GASKET, fuel filter mounting adapter
612 180 C1		GASKET, fuel line connector (16)
601 076 C1		GASKET, injection nozzle (8)
328 753 R3		GASKET, intake manifold cover (4)
670 512 C1		GASKET, intercooler air inlet
670 514 C1		GASKET, intercooler air outlet
253 660 R1		GASKET, oil inlet tube flange
330 024 R1		GASKET, turbocharger exhaust flange (2)
253 664 R2		GASKET, turbocharger oil drain flange
671 956 C1		GASKET, water outlet elbow
364 879 R1		"O" RING, injection nozzle dust seal (8)
601 426 C1		"O" RING, turbocharger intake manifold (2)
601 183 C1		"O" RING, turbocharger oil drain tube
915 500 R1		SLEEVE, leakoff tube (8) TUBE of Molykote "G" (2.0 oz.) (not furnished separately)
103 341		WASHER, 13/32 x 13/16" x 16 ga. annular gasket (for cylinder head cover)(12)

DIESEL ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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CRANKCASE FRONT COVER, AND COVER PLATE

CRANKCASE FRONT COVER, AND COVER PLATE - Continued



CE-94632B

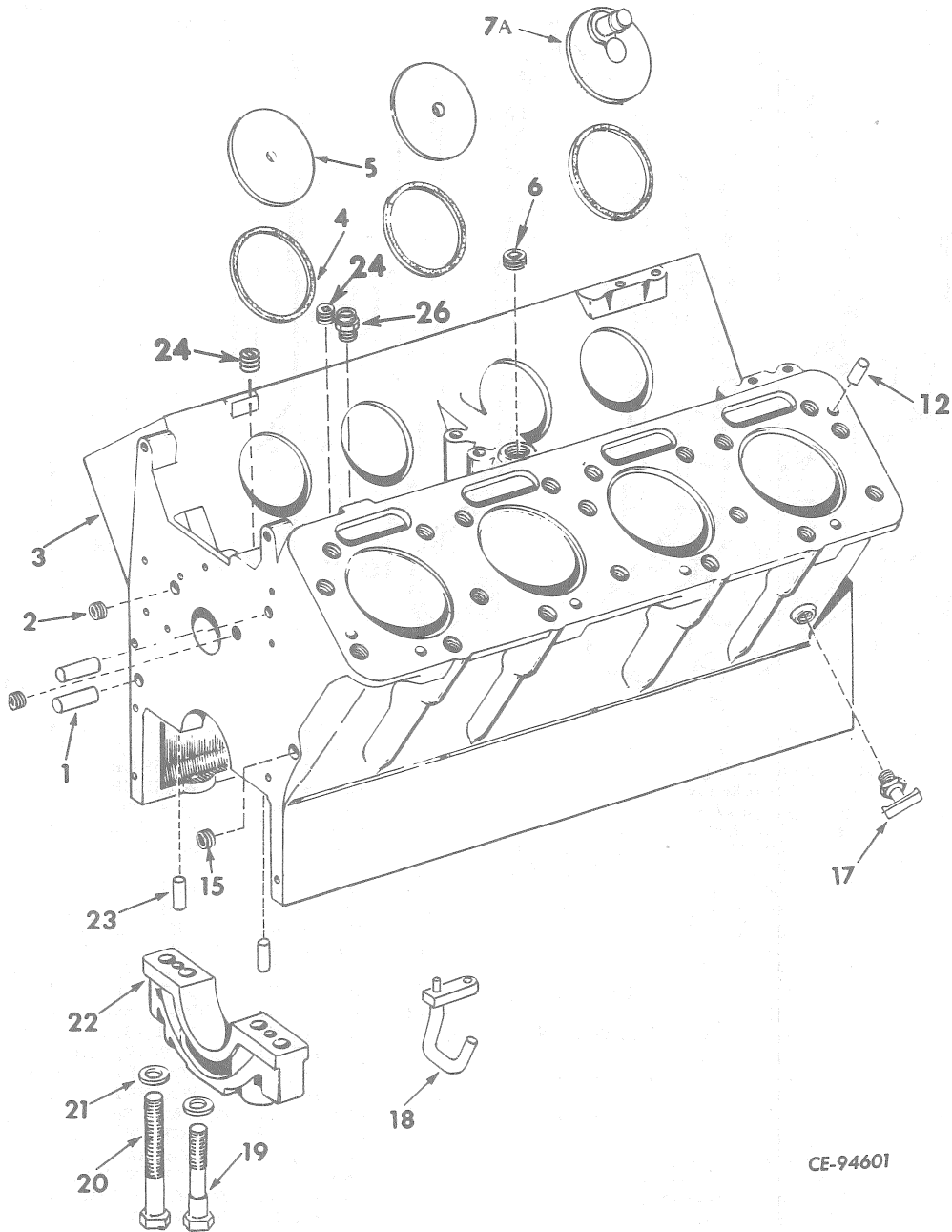
1	607 463 C1	POINTER, timing	9	672 787 C1	PLATE, compressor cover
2	346 738 R91	SEAL, crankcase front oil		21 070 R1	NUT, 3/8" (7)
3	673 374 C1	EYE, front lifting		103 321	WASHER, 3/8" lock (7)
4	671 953 C91	COVER, crankcase front		103 341	WASHER, 13/32 x 13/16 x 16 ga. (3)
		(Composed of -		142 127 R1	SPACER
		§ 1 COVER		277 788 R1	LOCK, bolt (in alternator brace)
		5 INSERT 277 960 R1		24 495 R1	SCREW, 3/8 x 3-3/4" hex-hd cap (type 8)
		2 INSERT 317 686 R1		22 436 R1	BOLT (5)
		4 INSERT 671 999 C1		22 435 R1	BOLT
		1 POINTER 607 463 C1	10	277 795 R1	LOCK, 5/8" bolt
		1 STUD 24 909 D)	11	328 973 R1	CLAMP, front plate
				20 661 R1	SCREW, 5/8 x 2" hex-hd cap (type 8)
24 586 R1		3/8 x 2-3/4" hex-hd cap SCREW (type 8) (4)	12	601 877 C1	GASKET, hydraulic pump cover
22 435 R1		3/8 x 3" hex-hd cap SCREW (type 8) (2)	13	601 876 C1	COVER, hydraulic pump
22 436 R1		3/8 x 3-1/2" hex-hd cap SCREW (type 8) (2)		21 070 R1	NUT, 3/8" (5)
24 515 R1		3/8 x 4" hex-hd cap SCREW (type 8) (2)		22 435 R1	SCREW, 3/8 x 3" hex-hd cap (type 8) (5)
19 993 R1		1/2 x 2-3/4" hex-hd cap SCREW (type 8) (2)		103 321	WASHER, 3/8" lock (5)
186 635		1/2 x 3" hex-hd cap SCREW (2)		103 341	WASHER, 13/32 x 13/16" x 16 ga (5)
103 321		3/8" lock WASHER (10)	14	672 418 C1	COVER, Service Meter (2)
103 323		1/2" lock WASHER (4)		897 365 R1	SCREW, 1/4 x 7/8" hex-hd cap (2)
103 341		13/32 x 13/16 x 16 ga. WASHER (10)		103 319	WASHER, 1/4" lock (2)
103 343		17/32 x 1-1/16 x 13 ga. WASHER (4)		186 647	SCREW, 1/4 x 1" hex-hd cap (2)
5	671 052 C1	GASKET, front cover	15	341 209 R1	PLUG, tachometer hole
6	671 051 C1	PLATE, crankcase front	16	619 218 C1	"O" RING
	151 629 R1	3/8 x 1" hex-hd cap SCREW (4)	17	344 004 R1	FLANGE
	103 321	3/8" lock WASHER (3)		103 321	WASHER, 3/8" lock
	116 103	13/32 x 13/16 x 16 ga. copper WASHER		214 441	NUT, 3/8 NF
7	601 854 C3	GASKET, crankcase front plate		19 592 R1	NUT, lock (2)
8	671 964 C1	GASKET, plate and filler		16 561 R1	WASHER, copper (2)
				620 945 C1	GASKET, cover (2)
				277 960 R1	INSERT, helicoil (5)
				317 686 R1	INSERT, helicoil (2)
				671 999 R1	INSERT, helicoil (4)
				24 909 D	STUD, cover

§ - Not Furnished Separately.

DIESEL ENGINE

CRANKCASE, MAIN BEARING CAPS, TAPPED ACCESS COVER AND CAMSHAFT BEARING

CRANKCASE, MAIN BEARING CAPS, TAPPED ACCESS COVER AND CAMSHAFT BEARING - Continued



CE-94601

DIESEL ENGINE

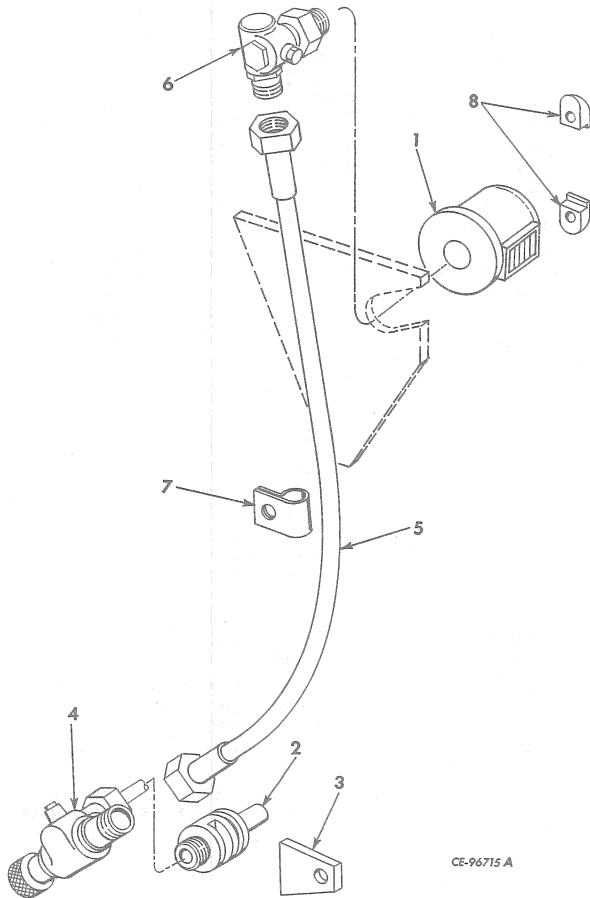
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CRANKCASE, MAIN BEARING CAPS, TAPPED ACCESS COVER AND CAMSHAFT BEARING - Continued			CRANKCASE, MAIN BEARING CAPS, TAPPED ACCESS COVER AND CAMSHAFT BEARING - Continued		
1	19 843 R1	DOWEL, 5/8" (4)	672 758 C91	PACKAGE, crankcase gasket (Consists of the following -	
2	444 660	PLUG, 3/8" sq-socket pipe (4)	671 964 C1	GASKET, air compressor	
3	672 600 C91	CRANKCASE ASSY (Composed of -	3 405 H	GASKET, annular oil pan drain plug	
	5	BEARING 326 620 R1	328 911 R1	GASKET, cooler water outlet	
	10	BOLT 326 617 R1	328 707 R1	GASKET, cover plate	
	10	BOLT 328 917 R1	601 854 C3	GASKET, crankcase front plate	
	5	CAP 601 129 C3	304 573 R1	GASKET, cranking motor	
	1	CONNECTOR 606 885 C1	341 269 R1	GASKET, flywheel housing	
	§ 1	CRANKCASE	671 052 C1	GASKET, front cover	
	4	DOWEL 19 843 R1	601 877 C1	GASKET, hydraulic pump hole cover	
	10	DOWEL 19 904 R1	671 011 C1	GASKET, injection pump adapter	
	4	DOWEL 19 962 R1	612 053 C1	GASKET, oil cooler (filter end)	
	2	PLUG 50 410 DA	601 836 C2	GASKET, oil cooler (pump end)	
	6	PLUG 444 660	672 302 C1	GASKET, oil cooler (rear)	
	1	PLUG 315 365 R1	612 056 C1	GASKET, oil cooler to inlet tube flange	
	2	VALVE 31 729 D	672 099 C1	GASKET, oil cooler to lub. filter tube	
	20	WASHER 39 422 D)	345 246 R1	GASKET, oil inlet elbow	
4	328 798 R1	GASKET, tappet access cover (8)	337 204 R2	GASKET, oil pan	
5	601 858 C1	COVER, tapped access (7)	349 065 R1	GASKET, oil pump cover	
	24 999 R1	3/8 x 1-7/8" hex-hd cap	607 130 C2	GASKET, oil pump inlet tube	
	340 092 R1	WASHER (7)	332 303 R1	GASKET, oil seal face plate	
6	9 409 949	PLUG, 3/4" sq-socket pipe	607 376 C1	GASKET, rear oil filler cover	
7A	678 008 C1	COVER, tappet access with drain hole	607 417 C1	GASKET, support (turbocharger exhaust elbow)	
	24 999 R1	3/8 x 1-7/8" hex-hd cap	328 798 R1	GASKET, tappet access cover (8)	
	340 092 R1	WASHER (8)	338 840 R1	GASKET, timing hole plug	
12	19 962 R1	DOWEL, cylinder head (4)	570 828 R1	"O" RING, connector cap (2)	
15	444 660	PLUG, 3/8" sq-socket pipe (2)	343 396 R2	"O" RING, lubrication oil pump	
17	31 729 D	VALVE, water drain (2)	343 396 R2	"O" RING, oil cooler inlet tube (2)	
18	328 802 R11	TUBE, piston cooling (8)	343 398 R2	"O" RING, oil cooler inlet tube (2)	
	423 354	3/8 x 1" hex-hd cap	22 421 R1	"O" RING, pump adapter	
		WASHER (8)	349 055 R2	"O" RING, safety valve	
19	328 917 R1	BOLT, main bearing cap (short) (10)	3 046 999 R1	"O" RING, water pump bearing housing	
20	326 617 R1	BOLT, main bearing cap (long) (10)	326 967 R2	RING, sleeve packing (24)	
21	39 422 D	WASHER, main bearing cap bolt (20)	340 092 R1	WASHER, tappet access cover (8)	
22	601 129 C3	CAP, main bearing (5)			
23	19 904 R1	DOWEL, bearing cap (10)			
24	50 410 DA	PLUG, 1/8" pipe (2)			
26	606 885 C1	CONNECTOR			
	615 467 C1	INSERT, crankcase			
	315 365 R1	PLUG, 1/8" metering			

§ - Not Furnished Separately.

DIESEL ENGINE

REF. NO.	PART NUMBER	DESCRIPTION
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SERVICE METER



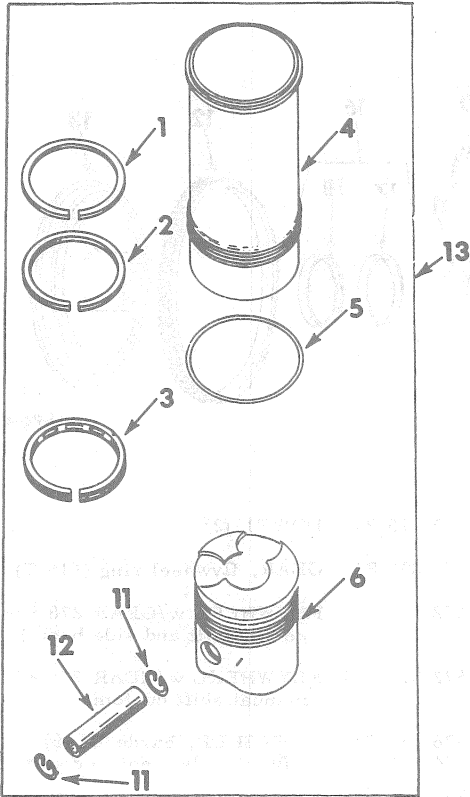
CE-96715 A

- | | | |
|---|-------------|-----------------------------------------------------------|
| 1 | 673 368 C91 | METER, service |
| | 138 201 | 1/4 x 3/4" hex-hd cap SCREW (2) |
| | 103 319 | 1/4" lock WASHER (2) |
| 2 | 344 003 R1 | ADAPTER, body |
| | 619 218 C1 | "O" RING |
| 3 | 344 004 R1 | FLANGE |
| | 103 321 | 3/8" NUT |
| | 214 441 | 3/8" lock WASHER |
| 4 | 673 372 C91 | ADAPTER, dual angle |
| 5 | 673 371 C1 | SHAFT, flexible |
| 6 | 673 369 C91 | ADAPTER, right angle |
| 7 | 362 122 R1 | CLIP, service recorder cable (on L.H. thermostat housing) |
| 8 | 673 370 C1 | CLIP, service recorder (2) |
| | 279 673 R91 | SEAL, wire (2) |

DIESEL ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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CONNECTING RODS, PISTONS AND CYLINDER SLEEVES



CONNECTING RODS, PISTONS AND CYLINDER SLEEVES
-Continued

9	601 017 C11	ROD w/two BOLT 601 016 C1 and BUSHING 317 505 R1, connecting (8)
10	601 016 C1	BOLT, connecting rod (16)
11	326 874 R1	RETAINER, piston pin (16)
12	326 873 R1	PIN, piston (8)
13	670 901 C91	PACKAGE, piston and sleeve field service (x) (Consists of - 1 PACKAGE 609 285 C22 1 PIN 326 873 R1 1 PISTON 671 287 C1 2 RETAINER 326 874 R1 1 RING 619 211 C1 1 RING 619 212 C1 1 RING 619 213 C1)
609 285 C22		PACKAGE, cylinder sleeve field service (8) (Consists of - 1 PAMPHLET 1 019 124 R2 3 RING 326 967 R2 1 SLEEVE 1 SHIM 349 104 R3 1 SHIM 670 539 C1)
670 587 C91		PACKAGE, piston ring field service (x) (Consists of 8 RING 619 211 C1 8 RING 619 212 C1 8 RING 619 213 C1)
607 310 C91		SET, connecting rod bearing (Standard) (Consists of eight BEARINGS 337 265 R11) (x)
612 186 C91		SET, connecting rod bearing (.002" undersize) (Consists of eight BEARINGS 341 532 R11) (x)
612 187 C91		SET, connecting rod bearing (.010" undersize) (Consists of eight BEARINGS 341 533 R11) (x)
612 188 C91		SET, connecting rod bearing (.020" undersize) (Consists of eight BEARINGS 341 534 R11) (x)
612 189 C91		SET, connecting rod bearing (.030" undersize) (Consists of eight BEARINGS 341 535 R11) (x)
670 584 C91		SET, piston right (for one piston) (x) (Consists of - 1 RING 619 211 C1 1 RING 619 212 C1 1 RING 619 213 C1)
349 104 R3		SHIM, cylinder sleeve (.002") (x)
670 539 C1		SHIM, cylinder sleeve (.004") (x)
609 016 C1		SHIM, cylinder sleeve (.064") (x)
601 262 C1		SHIM, cylinder sleeve (.0063") (x)
601 263 C1		SHIM, cylinder sleeve (.008") (x)
601 264 C1		SHIM, cylinder sleeve (.010") (x)
601 265 C1		SHIM, cylinder sleeve (.0159") (x)
601 266 C1		SHIM, cylinder sleeve (.0201") (x)
601 967 C1		SHIM, cylinder sleeve (.032") (x)

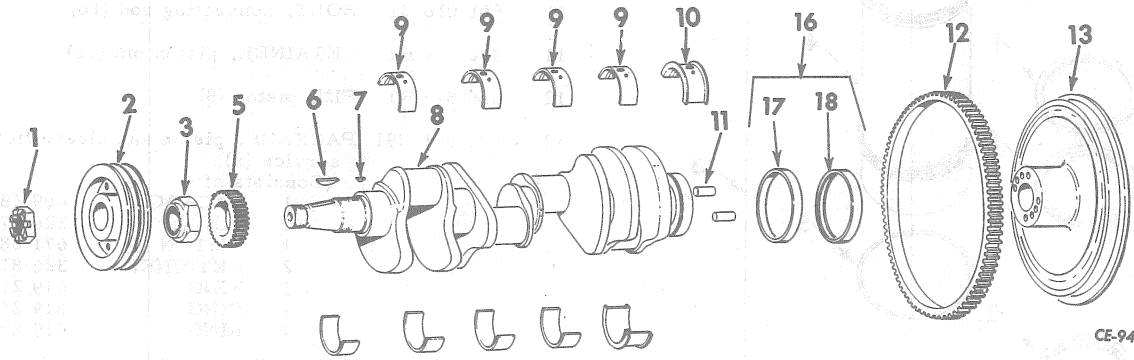
(x) - As Required.

1	619 211 C1	RING, piston (first compression) (8)
2	619 212 C1	RING, piston (second compression) (8)
3	619 213 C1	RING, piston (oil) (8)
4		SLEEVE, cylinder (Order PACKAGE 609 285 C22)
5	326 967 R2	RING, cylinder sleeve packing (24)
6	671 287 C1	PISTON (8)
7	317 505 R1	BUSHING, upper end rod (8)
8	337 265 R11	BEARING, connecting rod (Standard) (8)
8	341 532 R11	BEARING, connecting rod (.002" undersize) (8)
8	341 533 R11	BEARING, connecting rod (.010" undersize) (8)
8	341 534 R11	BEARING, connecting rod (.020" undersize) (8)
8	341 535 R11	BEARING, connecting rod (.030" undersize) (8)

CE-90429

DIESEL ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CRANKSHAFT, VIBRATION DAMPER, FLYWHEEL AND MAIN BEARINGS			CRANKSHAFT, VIBRATION DAMPER, FLYWHEEL AND MAIN BEARINGS - Continued		



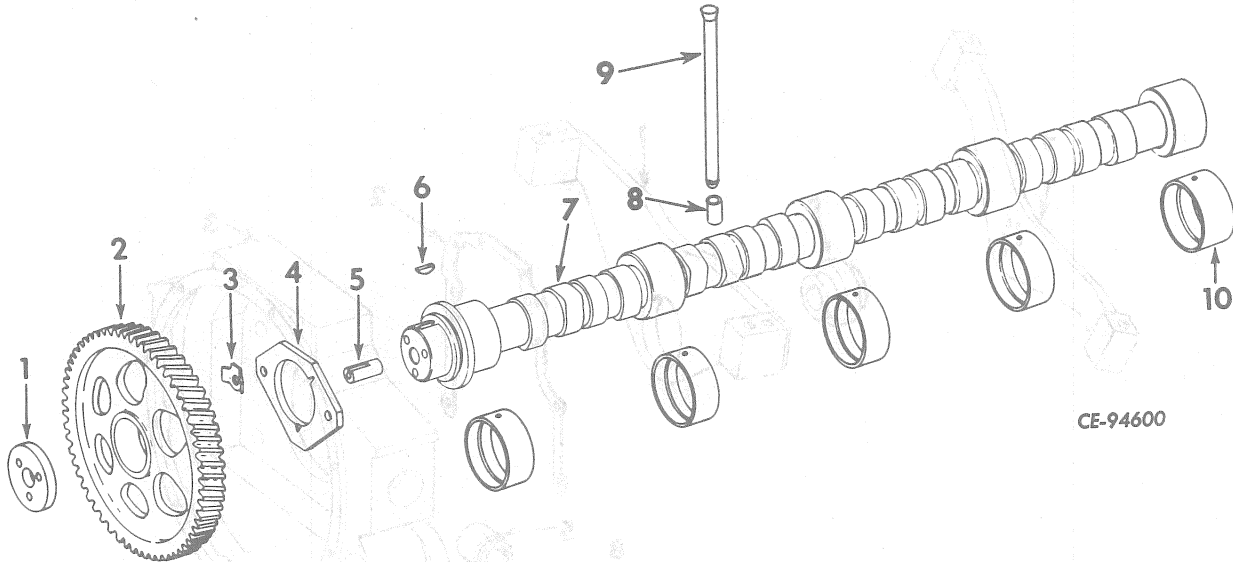
1	612 039 C2	NUT, crankshaft	11	19 875 R1	DOWEL (2)
2	606 680 C93	DAMPER, vibration crankshaft	12	278 896 R1	GEAR, flywheel ring (118 T)
3	625 359 C1	NUT, gear	13	672 310 C91	FLYWHEEL w/GEAR 278 896 R1 (for power shift and side boom)
5	343 176 R1	GEAR, crankshaft	13	672 311 C91	FLYWHEEL w/GEAR 278 896 R1 (for manual shift custom)
6	118 002	KEY, 3/8 x 2-1/8" Woodruff	676 884 C1	WASHER, hardened (6)	
7	124 554	KEY, 5/16 x 1" Woodruff	24 924 R1	BOLT, flywheel to crankshaft (6)	
8	332 641 R92	CRANKSHAFT ASSY (Standard) (Composed of -	16	609 335 C92	PACKAGE, crankshaft rear oil seal and wear sleeve field service
		4 BEARING 332 028 R91	17		SLEEVE, crankshaft rear oil seal wear (Not furnished separately)
		1 BEARING 332 031 R91	18		OIL SEAL, crankshaft rear (Not furnished separately)
		8 BEARING 337 265 R11	50 410 DA	PLUG	
		§1 CRANKSHAFT	607 308 C91	SET, main bearing (standard) (consists of four BEARING 332 028 R91 and BEARING 332 031 R91) (x)	
		2 DOWEL 19 875 R1	612 190 C91	SET, main bearing (.002" undersize) (consists of four BEARING 332 035 R91 and BEARING 332 038 R91) (x)	
		4 PLUG 50 410 DA)	612 097 C91	SET, main bearing (.010" undersize) (consists of four BEARING 332 042 R91 and BEARING 332 045 R91) (x)	
8	345 429 R92	CRANKSHAFT ASSY (Renewal) (consists of eight connecting rod BEARING, five crankshaft BEARING, two DOWEL 19 875 R1 and four PLUG 50 410 DA)	612 098 C91	SET, main bearing (.020" undersize) (consists of four BEARING 332 049 R91 and BEARING 332 052 R91) (x)	
9	332 028 R91	BEARING, upper and lower main (standard) (4)	612 099 C91	SET, main bearing (.030" undersize) (consists of four BEARING 332 056 R91 and BEARING 332 059 R91) (x)	
9	332 035 R91	BEARING, upper and lower main (.002" undersize) (4)			
9	332 042 R91	BEARING, upper and lower main (.010" undersize) (4)			
9	332 049 R91	BEARING, upper and lower main (.020" undersize) (4)			
9	332 056 R91	BEARING, upper and lower main (.030" undersize) (4)			
10	332 031 R91	BEARING, upper and lower thrust (standard)			
10	332 038 R91	BEARING, upper and lower rear thrust (.002" undersize)			
10	332 045 R91	BEARING, upper and lower rear thrust (.010" undersize)			
10	332 052 R91	BEARING, upper and lower rear thrust (.020" undersize)			
10	332 059 R91	BEARING, upper and lower rear thrust (.030" undersize)			

(x) - As Required.

§ - Not Furnished Separately.

DIESEL ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CAMSHAFT, CAMSHAFT GEAR, THRUST PLATE, TAPPET, AND PUSH ROD			CAMSHAFT, CAMSHAFT GEAR, THRUST PLATE, TAPPET AND PUSH ROD - Continued		



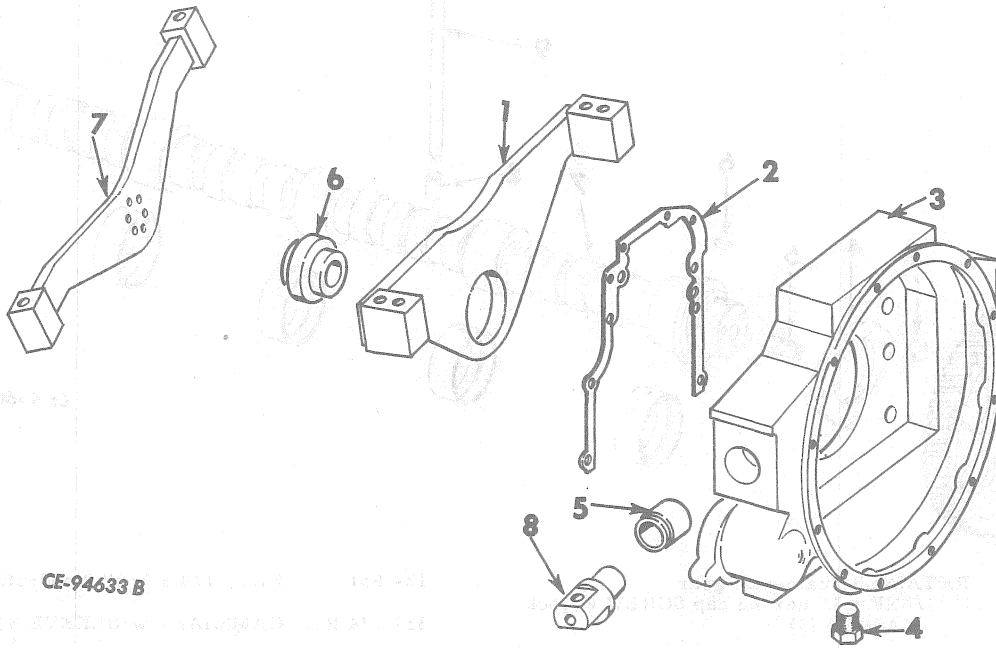
1	315 778 R1 425 474	RETAINER, camshaft gear 3/8NF x 1" hex-hd cap SCREW w/lock WASHER (3)	6	124 551	KEY, 1/4 x 7/8" Woodruff
2	326 868 R3	GEAR, camshaft (62 T)	7	337 174 R31	CAMSHAFT w/SLEEVE 330 306 R1
3	277 788 R1 23 164 R1	LOCK, bolt (2) 3/8 x 1-1/4" hex-hd cap SCREW (type 8) (2)	8	911 776 R2	TAPPET, valve (16)
4	326 867 R1	PLATE, camshaft thrust	9	343 431 R91	ROD, push (16)
5	330 306 R1	SLEEVE, tachometer drive	10	326 620 R1	BEARING, camshaft (5)

DIESEL ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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FLYWHEEL HOUSING AND FRONT SUPPORT

FLYWHEEL HOUSING AND FRONT SUPPORT - Continued



1	672 055 C91	BRACKET w/BUSHING 672 022 C91 and front engine support	7	624 594 C1 24 895	SUPPORT, front engine 3/4 x 4-1/2", hex-hd cap SCREW (Type 8) (2)
	23 919 R1	BOLT, engine support (4)		39 422 D	WASHER, support mounting bolt (2)
	252 018 R1	WASHER, engine support (4)		24 601 R1	BOLT, 9/16 x 3" (Type 4-12 pt.) (6)
2	341 269 R1	GASKET, flywheel housing		673 066 C1	WASHER, hardened (at engine) (6)
3	672 331 C92	HOUSING w/two BUSHING 333 707 R92 flywheel	8	330 881 R2	SHAFT, trunnion mounting (2)
	354 922 R1	3/8 x 2" hex-hd cap SCREW (type 8) (4)		223 456	SCREW, 3/4 x 3-1/2" hex-hd cap (2)
	254 239 R1	1/2 x 2" hex-hd cap SCREW (type 8) (6)		39 422 D	WASHER, hardened (2)
	103 321	3/8" lock WASHER (4)	8	657 373 C1	SHAFT, trunnion mounting (2)
	103 341	1/2" lock WASHER (6)		25 704 R1	SCREW, 7/8 x 5" (type 8) (2)
4	444 636	PLUG, 3/4" NPT auto hex-hd		277 606 R1	WASHER, hardened (2)
5	333 707 R92	BUSHING, flywheel housing (2)	628 416 C91	PACKAGE, engine rear-mount field improvement 25431 and up (Consists of -	
6	672 022 C91	BUSHING, front engine support		2	SCREW 25 704 R1
				2	WASHER 277 606 R1
				§ 2	PLATE
				2	SHAFT 657 373 C1
				§ 2	BLOCK
				§ 1	BLOCK)

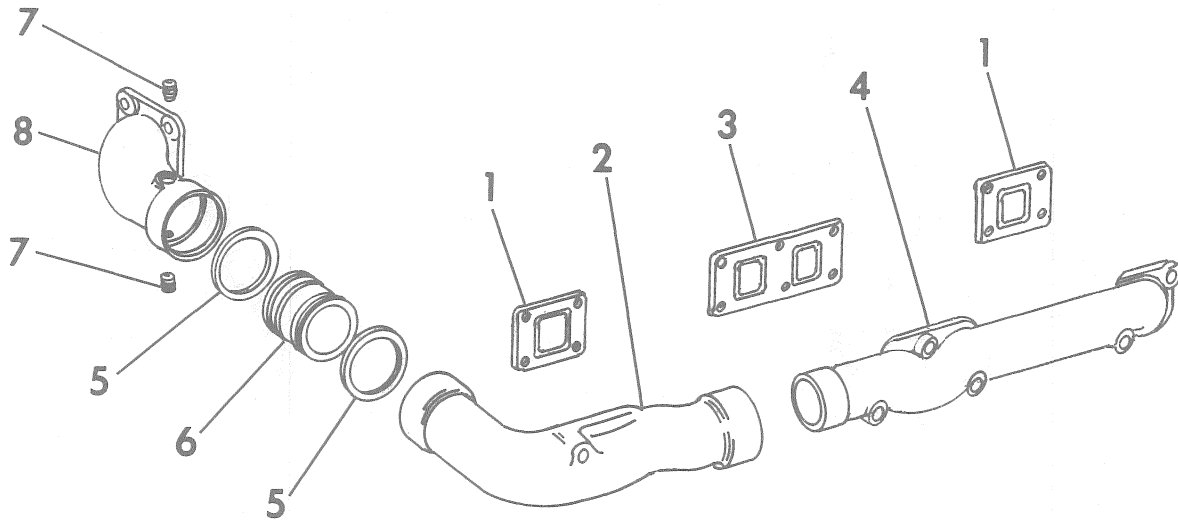
§ - Not Furnished Separately.

DIESEL ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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EXHAUST MANIFOLD

EXHAUST MANIFOLD - Continued



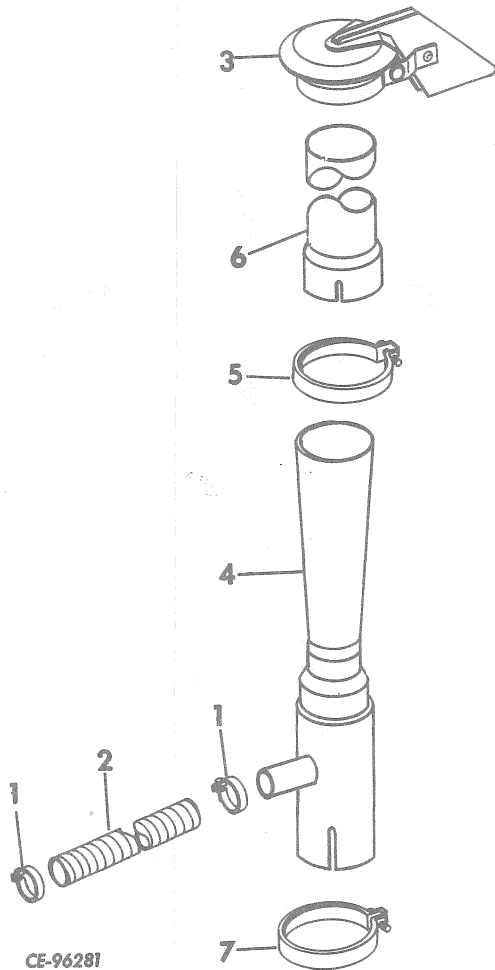
CE-94761

1	675 885 C1	GASKET, exhaust manifold (front and rear) (4)	4	671 755 C2	MANIFOLD, front exhaust LH
				20 654 R1	1/2 x 4" hex-hd cap SCREW (type 8) (8)
2	672 053 C1	MANIFOLD, rear exhaust LH	349 294 R1		SPACER, bolt (8)
2	672 054 C1	MANIFOLD, rear exhaust RH	5	672 643 C1	RING, exhaust sleeve seal (4)
	278 771 R1	LOCK, bolt (6)	6	676 327 C1	SLEEVE, exhaust manifold (2)
	364 257 R1	1/2 x 1-3/4" hex-hd cap SCREW (type 8) (6)	7	444 691	PLUG, 1/4" NPT auto hex-soc pipe (4)
3	675 886 C1	GASKET, exhaust manifold center (2)	8	676 325 C1	MANIFOLD, turbo inlet LH
4	671 754 C2	MANIFOLD, front exhaust RH	8	676 326 C2	MANIFOLD, turbo inlet RH

FUEL SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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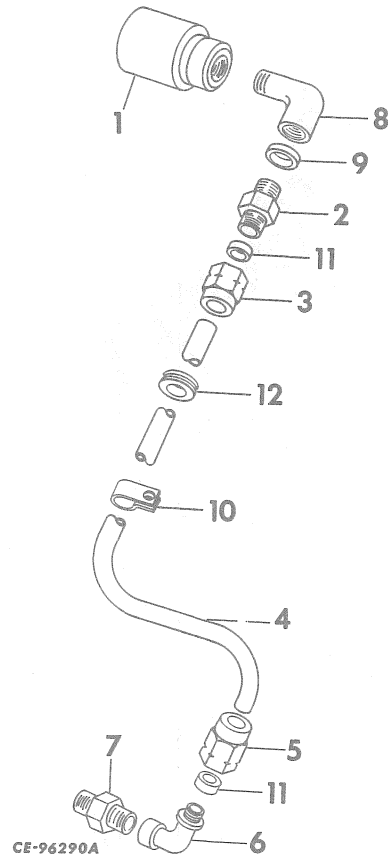
ASPIRATOR AND CONNECTIONS



1	170 570 R91	CLAMP, pipe (used w/PIPE 672 438 C1) (2)
1	279 038 R91	CLAMP, hose (used w/HOSE 407 006 C1) (2)
2	407 006 C1	HOSE, aspirator inlet (1-3/4 x 4" long) (together w/two CLAMP 279 038 R91 will work for PIPE 672 438 C1) (*)
3	650 289 C91	CAP, lockable exhaust rain (part of ATTACHMENT 628 013 C91)
4	653 244 C1	ASPIRATOR, exhaust
5	299 864 R1	CLAMP, exhaust tube
6	650 138 C1	TUBE, exhaust extension
7	625 747 C1	CLAMP, aspirator to exhaust elbow
	21 070 R1	3/8 x 2" hex-hd cap SCREW 3/8" NUT

(*) Part Number and Price Cover One Foot of Hose. Furnished only in Three Foot Lengths.

FILTER SERVICE INDICATOR



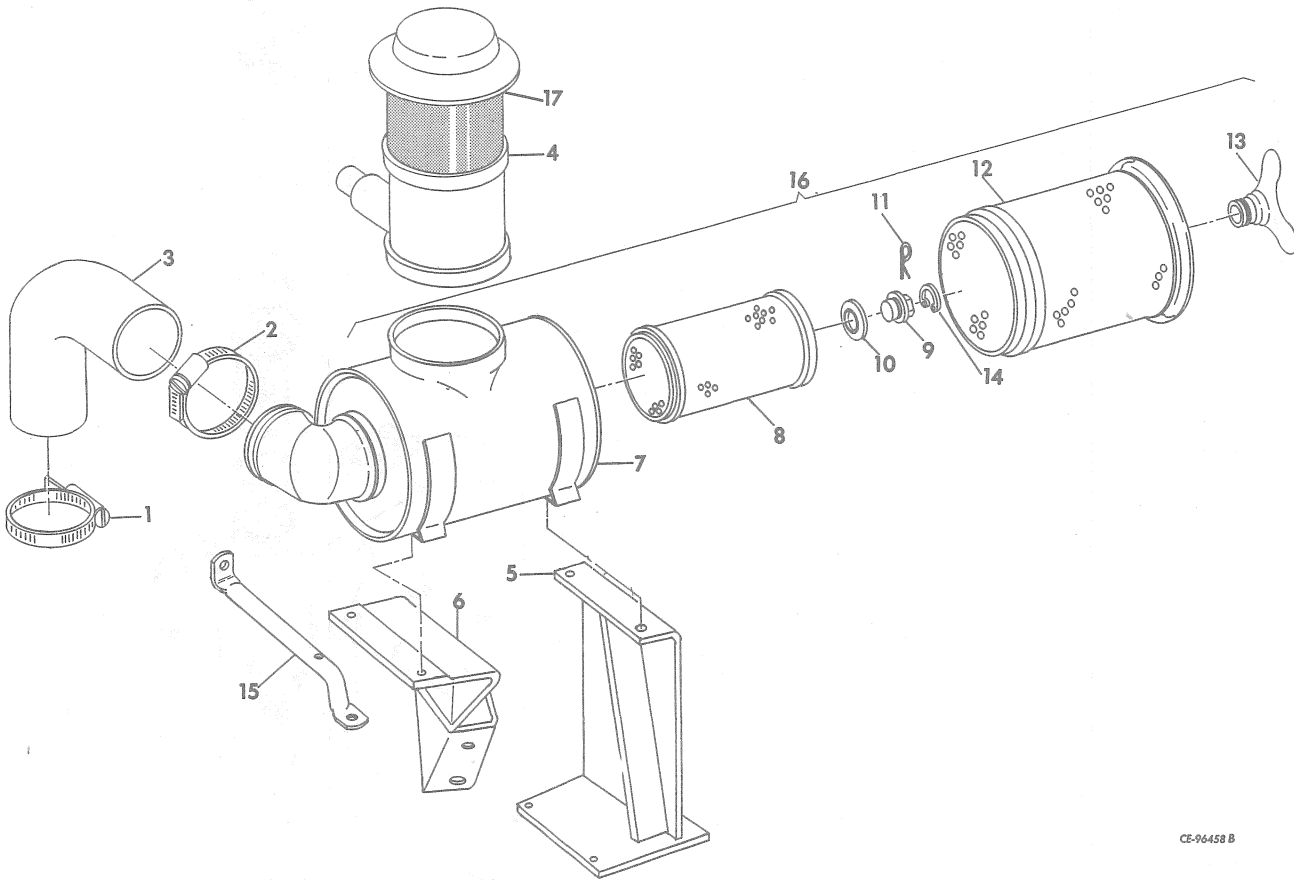
1	366 078 C1	INDICATOR, dry type air cleaner filter service
2	606 999 C1	CONNECTOR, air cleaner filter indicator tube (at indicator)
3	606 925 C1	NUT, air cleaner filter indicator tube
4	650 528 C91	TUBE w/two NUT 606 925 C1 and two SLEEVE 606 926 C1, air cleaner filter indicator (1/8" OD x 70" long) (standard)
	300 646 R1	GROMMET, air cleaner filter indicator tube
5	606 925 C1	NUT, air cleaner filter indicator tube
6	610 040 C1	ELBOW, air cleaner filter indicator tube (at air cleaner)
7	317 972 R91	NIPPLE and FILTER, (at air cleaner)
8	444 476	ELBOW, air cleaner indicator mounting
9	21 403 R1	WASHER, air cleaner indicator mounting
10	263 716 R91	CLIP, air cleaner filter indicator tube (on belt near center of hood and rear)
11	606 926 C1	SLEEVE, air cleaner filter indicator tube (2)
	264 164 R1	CLIP, air cleaner indicator tube, (on front and rear outside air cleaner mounting bolt (manual shift custom))

FUEL SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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AIR CLEANER AND CONNECTIONS
(Donaldson) (Dry Type)

AIR CLEANER AND CONNECTIONS - Continued
(Donaldson) (Dry Type)



CE-96458 B

1	23 804 R1	CLAMP, elbow (at turbo)	16	650 137 C91	CLEANER ASSY, air (Composed of -
2	24 926 R1	CLAMP, air cleaner turbo (at air cleaner)		81	BODY
3	672 383 C1	ELBOW, turbo air inlet		2	GASKET 619 403 C1
4	653 243 C91	CLEANER, w/HOOD 627 983 C1, pwr air		1	ELEMENT 627 127 C1
5	672 385 C1	BRACKET, rear air cleaner support	179 840	1	ELEMENT 627 128 C1
	179 840	3/8 x 1-1/8" hex-hd cap SCREW (4)	103 321	1	NUT 627 126 C1
	103 321	3/8" lock WASHER (4)		1	NUT 619 402 C1
6	672 389 C1	BRACKET, front air cleaner support		1	PIN 103 386
	271 559	5/8 x 1-5/8" hex-hd cap SCREW	17	1	RING 373 552 R1)
	179 841	3/8 x 1-1/4" hex-hd cap SCREW			
	103 321	3/8" lock WASHER			
	103 325	5/8" lock WASHER			
7		BODY (Not Furnished Separately)			
8	627 128 C1	ELEMENT, inner			
9	619 402 C1	Lock NUT			
10	619 403 C1	GASKET, lock nut			
11	103 386	PIN, element lock			
12	627 127 C1	ELEMENT, outer			
13	627 126 C1	NUT, element wing			
14	373 522 R1	RING, retaining			
15	672 343 C2	BRACE, exhaust elbow			

8 - Not Furnished Separately.

FUEL SYSTEM

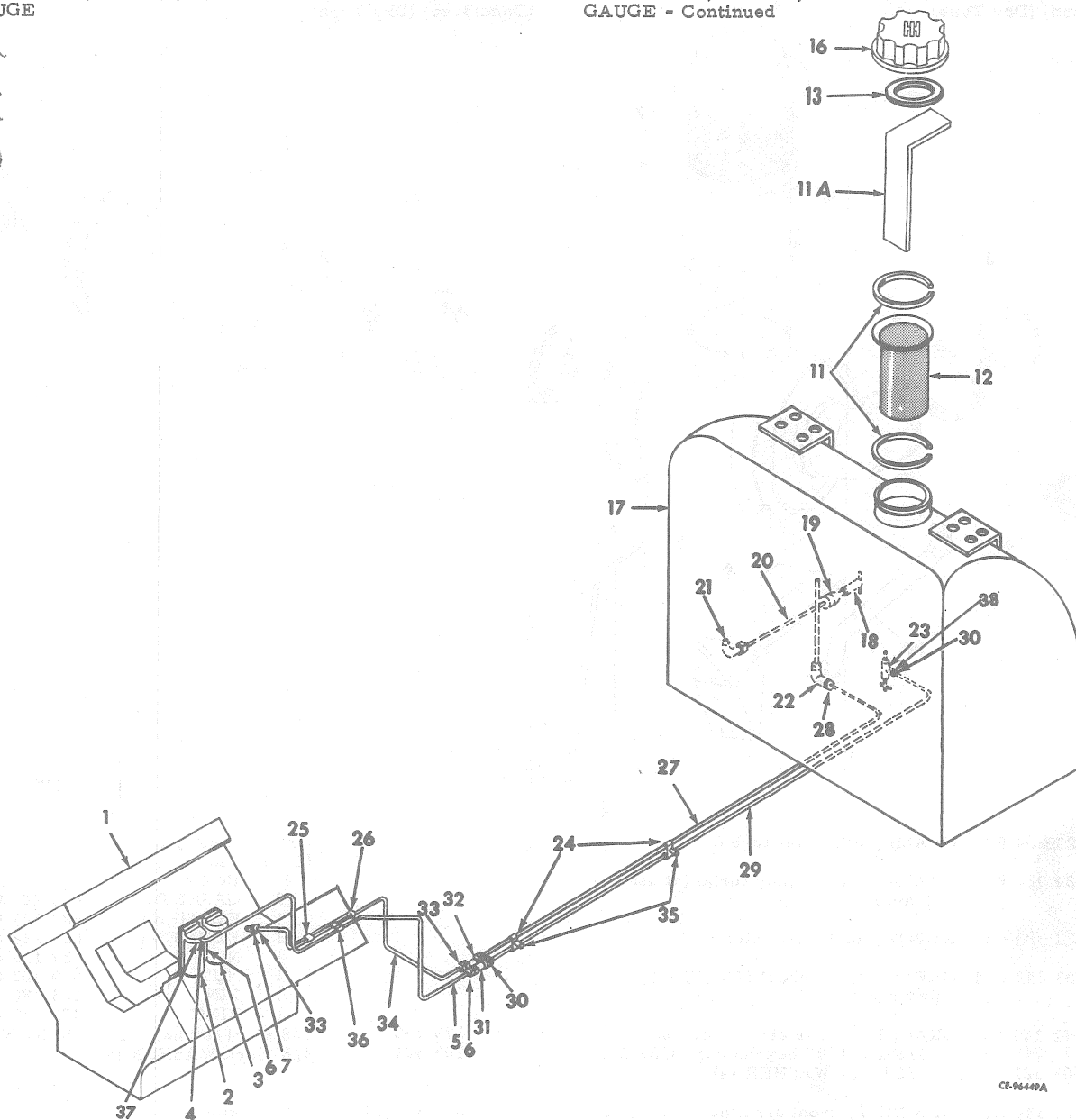
REF. PART
NO. NUMBER DESCRIPTION

REF. PART
NO. NUMBER DESCRIPTION

FUEL TANK, PIPING, FUEL STRAINER AND FUEL GAUGE

FUEL TANK, PIPING, FUEL STRAINER AND FUEL GAUGE - Continued

Sub
722-6727



CE-9449A

1		ENGINE	6	265 205 R1	NUT, front fuel supply pipe (2)
2		FILTER, primary (for components see list of parts under details of "Primary and Final Filters")		265 204 R1	SLEEVE (2) 25203 and below
3		FILTER, final (for components see list of parts under details of "Primary and Final Filters")	6	265 067 R1	NUT, front fuel supply (2)
				265 066 R1	SLEEVE, front fuel supply (2) 25204 and up
4	606 845 C1	ELBOW, 90° front fuel supply tube (In Reducer) 25203 and below	7	606 819 C1	CONNECTOR, front fuel return tube (at pump end)
4	265 024 R1	ELBOW, front fuel supply (In Reducer) 25204 and up	11	317 943 R1	RING, fuel strainer snap (2)
5	650 361 C91	TUBE w/two SLEEVE 265 204 R1 and two NUT 265 205 R1 front supply fuel 25203 and below	11A	611 409 C1	STICK, dip
5	650 687 C91	TUBE w/two SLEEVE 265 066 R1 and two NUT 265 067 R1 front fuel supply 25204 and up	12	624 478 C1	STRAINER, fuel
			13	618 688 C1	GASKET, fuel cap
			16	701 922 C1	CAP w/GASKET 618 688 C1, fuel tank

FUEL SYSTEM

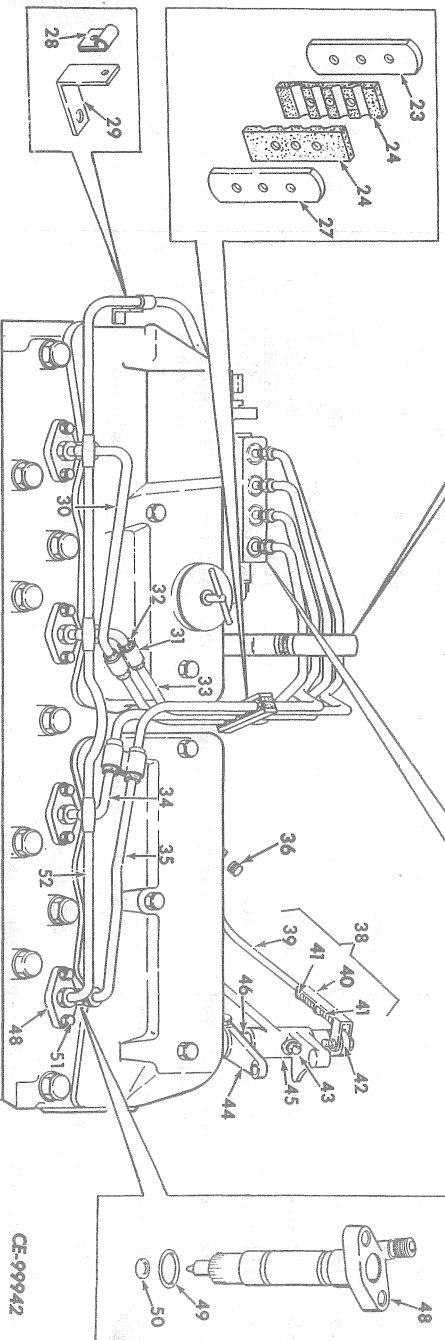
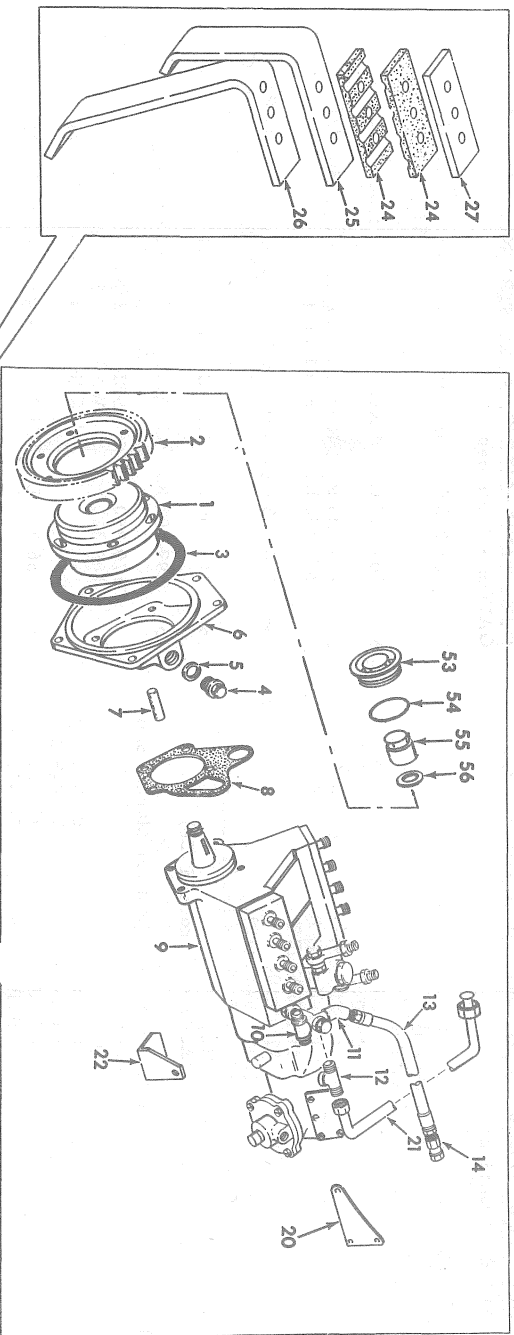
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
FUEL TANK, PIPING, FUEL STRAINER AND FUEL GAUGE - Continued			FUEL TANK, PIPING, FUEL STRAINER AND FUEL GAUGE - Continued		
17	650 246 C91	TANK ASSY, fuel (For Manual Shift Custom) (Composed of - 1 CAP 701 922 C1 2 RING 317 943 R1 1 STICK 611 409 C1 1 STRAINER 624 478 C1 §1 SUPPORT §1 TANK)	31	603 868 C1	UNION, fuel supply tube (1/2") 25204 and up
	102 639	NUT, 5/8" (12)	32	603 867 C1	UNION, fuel return tube
	271 560	SCREW, 5/8 x 1-3/4" hex-hd cap (12)	33	265 205 R1 265 204 R1	NUT, front fuel return pipe (2) SLEEVE (2)
	479 814 R1	WASHER, hardened (20)	34	650 363 C91	TUBE w/two SLEEVE 265 204 R1 and two NUT 265 205 R1, front fuel return
17	650 093 C91	TANK ASSY, fuel (Not for Manual Shift Custom) (Composed of - 1 CAP 701 922 C1 2 RING 317 943 R1 1 STICK 611 409 C1 1 STRAINER 624 478 C1 §1 SUPPORT §1 TANK)	35	311 500 R1	CLAMP, front fuel return tube (2)
	102 639	NUT, 5/8" (12)	35	299 902 R1	CLAMP, front fuel return pipe (on L.H. fender) (2)
	271 560	SCREW, 5/8 x 1-3/4" hex-hd cap (12)		179 850	SCREW, 3/8 x 2-3/4" hex-hd cap (2)
	479 814 R1	WASHER, hardened (20)		103 321	WASHER, 3/8" lock (2) SCREW, 1/4 x 3/4" hex-hd cap (2)
18	31 729 D	VALVE, fuel tank drain	36	66 362 D	CLAMP, front fuel supply (4)
19	187 396	COUPLING, fuel tank drain valve		272 941 R1	CUSHION, front fuel tube clamp (4)
20	12 989 R1	PIPE, fuel tank drain		262 038 R1	NUT, 1/4" (Speed) (2)
21	111 316	ELBOW, fuel tank drain		114 355	SCREW, 1/4 x 3/4" hex-hd cap (2)
22	333 774 R1	ELBOW, 90° rear return tube (at fuel tank)		279 087 R1	SPACER, fuel tube clamp (2)
23	606 928 C91	VALVE, fuel shut-off 25203 and below		285 048 R1	SHIM, fuel tank mounting (x)
23	627 686 C1	VALVE, fuel shut-off 25204 and up		331 860 R1	SHEET, RH fuel tank support cover (Not used on Manual Shift Custom)
24	279 087 R1	SPACER, return pipe clamp (2)		21 070 R1	NUT, 3/8" (4)
25	299 902 R1	CLAMP, fuel supply pipe (3)		179 839	SCREW, 3/8 x 1" hex-hd cap (4)
26	299 902 R1	CLAMP, fuel return pipe (3)		103 321	WASHER, 3/8" lock (4)
	102 635	NUT, 3/8" (3)		103 341	WASHER, 13/32 x 13/16" x 16 ga (4)
	179 850	SCREW, 3/8 x 2-3/4" hex-hd cap (3)	37	444 321	REDUCER, 3/8 x 1/4" (In primary filter header) 25204 and up
	103 321	WASHER, 3/8" lock (3)	38	265 024 R1	ELBOW, fuel shut off valve (in valve) 25204 and up
	179 835	SCREW, 3/8 x 5/8" hex-hd cap			
27	607 987 C11	TUBE w/two SLEEVE 265 204 R1 and two NUT 265 205 R1, rear fuel return			
28	265 205 R1 265 204 R1	NUT, rear fuel return pipe (2) SLEEVE (2)			
29	607 985 C11	TUBE w/two SLEEVE 265 204 R1 and two NUT 265 205 R1, rear fuel supply 25203 and below			
29	650 689 C91	TUBE w/two SLEEVE 265 066 R1 and two NUT 265 067 R1 rear fuel supply 25204 and up			
30	265 205 R1 265 204 R1	NUT, rear fuel supply pipe (2) SLEEVE (2) 25203 and below			
30	265 067 R1 265 066 R1	NUT, front fuel supply (2) SLEEVE, front fuel supply (2) 25204 and up			
31	603 867 C1	UNION, fuel supply tube 25203 and below			

§ - Not furnished separately.

(x) - As required.

INJECTION PUMP, DRIVE, PIPING AND RELATED PARTS

INJECTION PUMP, DRIVE, PIPING AND RELATED PARTS - Continued



1	673 533 C91	UNIT, w/GASKET 670 888 C1 and PLUG 680 261 C1, advance	9	672 282 C91	PUMP, fuel injection (Robt. Bosch) (189 HP @ 2300 RPM) (Not for manual shift custom (See NOTE 2))
	151 629 R1	SCREW, hex-hd cap (type 8) (6)		678 026 C1	WIRE, lock (2)
	142 127 R1	WASHER (6)		678 027 C1	LOCK, seal wire (2)
2	671 012 C1	GEAR, injection pump drive (62T)	10	610 713C1	TEE, leakoff manifold at pump overflow valve
3	22 421 R1	1/0" RING, 8-1/2x8-3/4x1/8			
4	445 060	PLUG, timing hole	11	444 054	ELBOW, 45° at pump overflow valve
5	114 851 H1	GASKET, timing hole plug	12	672 674 C1	TEE, tube oil supply to pump (in pump)
	675 888 C1	ADAPTER, injection pump drive		915 499 R1	NUT
	214 441	NUT, 3/8NF (4)		915 500 R1	SLEEVE
	103 321	WASHER, 3/8" lock (9)		672 750 C1	PLUG
	103 341	WASHER, 13/32x13/16"x16 ga. (4)	13	702 844 C1	HOSE, fuel return at pump
	673 607 C1	SCREW, 12 point (adapter to plate) (Nyllok) (2)		99 098 H	CLIP, hose
	24 590 R1	SCREW, 3/8x1-1/2" hex-hd cap (Nyllok (type 8) (3)			
	18 524 R1	PLUG, adapter			
	142 756	GASKET, adapter plug			
7	271 329 R1	STUD (4)			
8	671 011 C1	GASKET, injection pump to adapter			
9	672 280 C91	(+) PUMP, fuel injection (Robt. Bosch) (207 HP @ 2400 RPM) (For manual shift custom (See NOTE 1))			

NOTE 1 - Pumps listed with symbol (+) are not available under part numbers shown. Order basic pump and necessary parts as shown in the parts catalog PU-71. Also refer to the PU-71 catalog for detail parts on all Robt. Bosch pumps.

NOTE 2 - Refer to Robt. Bosch fuel injection pump parts catalog PU-71 when ordering detail parts for complete pump.

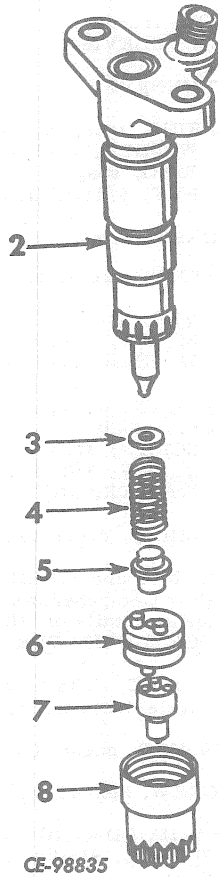
FUEL SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
INJECTION PUMP, DRIVE, PIPING AND RELATED PARTS - Continued			INJECTION PUMP, DRIVE, PIPING AND RELATED PARTS - Continued		
14	672 658 C1	ADAPTER, swivel w/.062 orifice	39	673 377 C1 676 595 C1	ROD, trunnion CLEVIS
20	673 420 C1 676 592 C1 109 884 103 362	LEVER, injection pump BOLT, shoulder (2) NUT, 1/4" slt (2) PIN, cotter 1/16x3/4" (2)	40	670 936 C1	TRUNNION
21	671 091 C2	TUBE w/two NUT and two SLEEVE, lub oil supply to injection pump	41	672 504 C1 103 340 23 697 R1 114 493	SPRING, trunnion (2) WASHER, 11/32x11/16x16 ga. (2) RING, snap NUT, 5/16NF jam
22	671 090 C1 151 629 R1 354 921 R1 103 321 21 070 R1	BRACKET, injection pump support (RH) SCREW, hex-hd cap SCREW, hex-hd cap (2) WASHER, 3/8" lock (3) NUT, 3/8" (2)	42	672 911 C1	SHAFT, cross
23	264 712 R1 24 741 R1 103 319	BRACKET, injection line-tapped (2) SCREW, 1/4NF x 1-1/2" hex-hd cap (6) WASHER, 1/4" lock (6)	43	109 462	FITTING, cross shaft bracket (1/8" x 90°)
24	670 106 C1 670 107 C1	PAD, injection line clamp (4) SPACER, injection line clamp (12)	44	676 575 C1 186 647 103 319	LEVER, shaft SCREW, 1/4x1" hex-hd cap (type 8) WASHER, 1/4" lock (2)
25	671 366 C1	BRACKET, injection pipe upper (LH)	45	672 335 C92 324 470 R1 374 831 R1 103 321	BRACKET w/two BUSHING, 304 483 R1, cross shaft SCREW, 3/8x1-1/8" hex-hd cap SCREW, 3/8x1-3/4" hex-hd cap WASHER, 3/8" lock (2)
25	671 367 C1	BRACKET, injection pipe upper (RH)	46	304 483 R1	BUSHING, cross shaft bracket (2)
26	671 368 C1	BRACKET, injection pipe lower (LH)	48		NOZZLE and HOZZLE HOLDER ASSY. (For Components see list of parts under details of "NOZZLE AND NOZZLE HOLDER") (8)
26	671 365 C1	BRACKET, injection pipe lower (RH)	49	364 879 R1	"O" RING, 7/8x1-1/16x3/32, injection nozzle dust seal (8)
27	264 143 R1 24 740 R1 103 319 24 741 R1	CLAMP, injection line (4) SCREW, 1/4NF x 1-1/4" hex-hd cap(6) WASHER, 1/4" lock (6) SCREW, 1/4x1-1/2" hex-hd cap (6)	50	601 076 C1	GASKET, nozzle (8)
28	292 105 R91 186 630 19 592 R1	CLAMP, tube SCREW, 1/4x5/8" hex-hd cap NUT, 1/4"	51	374 831 R1	SCREW, hex-hd cap (16)
29	677 259 C1	BRACKET (at thermostat housing)	52	677 258 C1 336 980 R1 915 499 R1 915 500 R1	MANIFOLD w/NUT, 915 499 R1 and SLEEVE, 915 500 R1, fuel leakoff (LH) NUT, leakoff manifold (4) NUT, leakoff manifold SLEEVE, leakoff manifold (5)
30	673 278 C1	PIPE, w/two NUT and two SLEEVE, injection No. 1	52	677 257 C1 336 980 R1 915 499 R1 915 500 R1	MANIFOLD w/NUT, 915 499 R1 and SLEEVE, 915 500 R1, fuel leakoff (RH) NUT, leakoff manifold (4) NUT, leakoff manifold SLEEVE, leakoff manifold (5)
30	673 279 C1	PIPE w/two NUT and two SLEEVE, injection No. 2	258 079 C1		GROMMET, upper right rear bolt
31	16 518 D 110 633 172 321	CLAMP, fuel line (8) NUT, #10 (4) SCREW, #10, 5/8" hex-hd cap (4)	332 425 R1 99 098 H		BRACKET, leakoff manifold (Mounted to RH thermostat housing top center mounting bolt) CLIP, hose
32	258 079 C1	GROMMET (8)	370 535 R1 186 630 23 232 R1		CLIP SCREW, 1/4x5/8" hex-hd cap NUT, 1/4"
33	673 280 C1	PIPE w/two NUT and two SLEEVE, injection No. 3	53	680 261 C1	PLUG, advance unit
33	673 281 C1	PIPE w/two NUT and two SLEEVE, injection No. 4	54	670 888 C1	GASKET, plug
34	673 282 C1	PIPE w/two NUT and two SLEEVE, injection No. 5	55		NUT, (furnished as part of pump)
34	673 283 C1	PIPE w/two NUT and two SLEEVE, injection No. 6	56		WASHER, (furnished as part of pump)
35	673 284 C1	PIPE w/two NUT and two SLEEVE, injection No. 7			
35	673 285 C1	PIPE w/two NUT and two SLEEVE, injection No. 8			
36	444 654	PLUG, 1/4" sq hd PIPE (in cylinder head)			
38	673 419 C91	TRUNNION ASSY.			

FUEL SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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NOZZLE AND NOZZLE HOLDER



NOZZLE AND NOZZLE HOLDER - Continued

6	615 107 C1	PLATE, intermediate
7	673 129 C92	NOZZLE
8	615 108 C1	NUT, nozzle cap
	627 985 C91	HOLDER ASSY, nozzle (Includes Ref. Nos. 2 thru 6 and 8)

672 769 C91 NOZZLE and NOZZLE HOLDER ASSY (8)

374 831 R1 SCREW, 3/8x1-3/4" hex-hd cap (type 8) (16)

2 BODY, holder (Not Furnished Separately)

- 3 615 109 C1 SHIM (.077") (X)
- 3 615 110 C1 SHIM (.075") (X)
- 3 615 111 C1 SHIM (.073") (X)
- 3 615 112 C1 SHIM (.071") (X)
- 3 615 113 C1 SHIM (.069") (X)
- 3 615 114 C1 SHIM (.067") (X)
- 3 615 115 C1 SHIM (.065") (X)
- 3 615 116 C1 SHIM (.063") (X)
- 3 615 117 C1 SHIM (.061") (X)
- 3 615 118 C1 SHIM (.059") (X)
- 3 615 119 C1 SHIM (.057") (X)
- 3 615 120 C1 SHIM (.055") (X)
- 3 615 121 C1 SHIM (.053") (X)
- 3 615 122 C1 SHIM (.051") (X)
- 3 615 123 C1 SHIM (.049") (X)
- 3 615 124 C1 SHIM (.047") (X)
- 3 615 125 C1 SHIM (.045") (X)
- 3 615 126 C1 SHIM (.043") (X)
- 3 615 127 C1 SHIM (.041") (X)
- 3 615 128 C1 SHIM (.039") (X)

4 615 105 C1 SPRING

5 615 106 C1 SEAT, spring lower

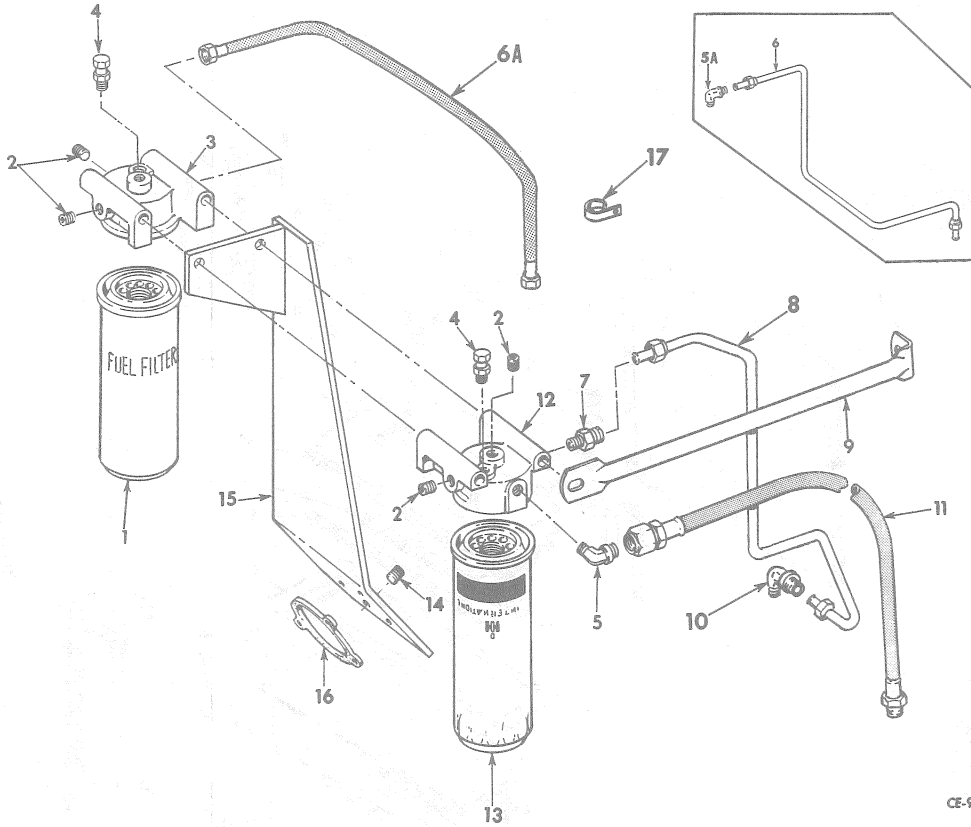
(X) - As Required.

FUEL SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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PRIMARY AND FINAL FUEL FILTERS AND FILTER PIPING

PRIMARY AND FINAL FUEL FILTERS AND FILTER PIPING - Continued



CE-98315 B

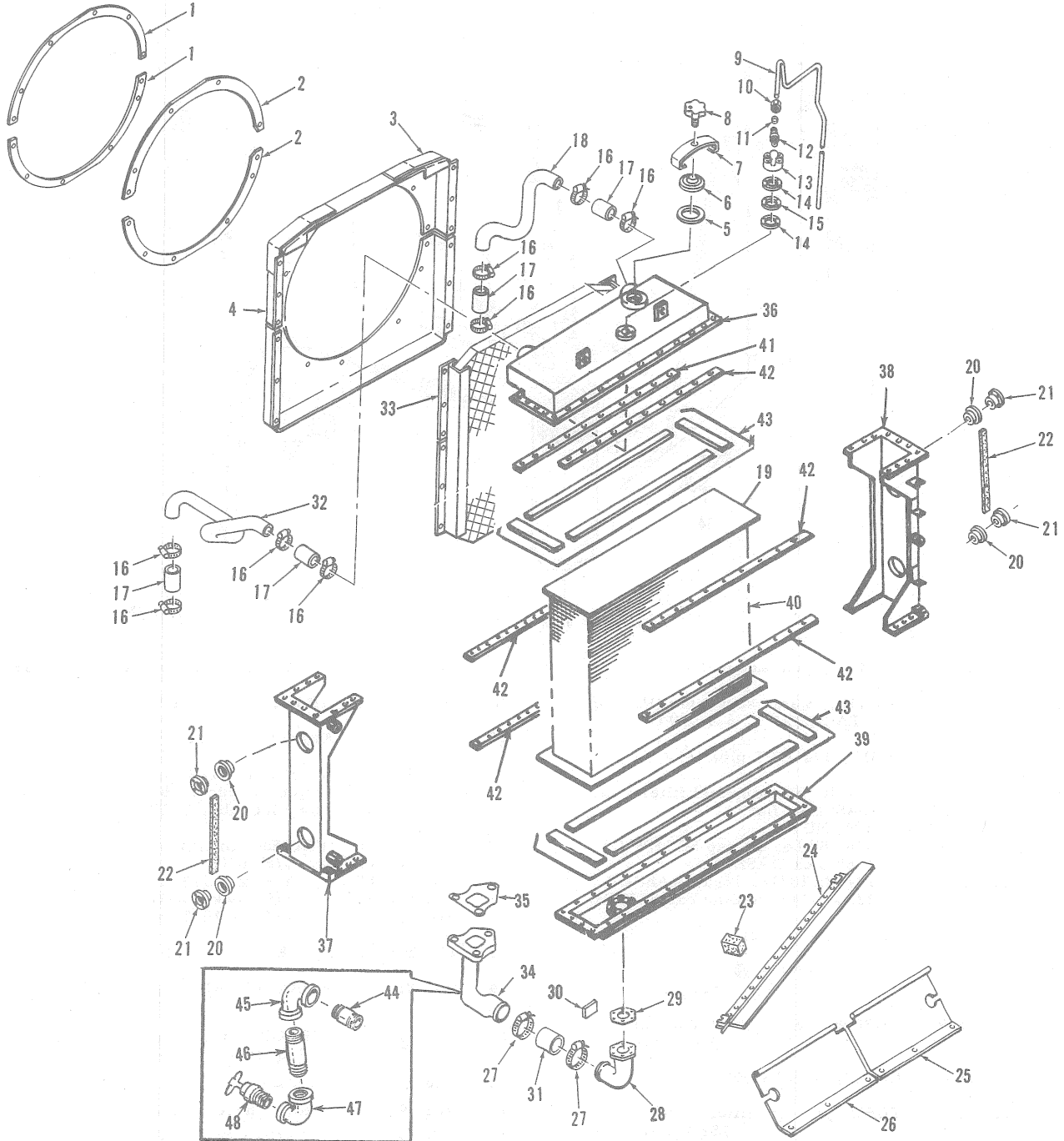
1	625 627 C1	FILTER, primary fuel	8	672 259 C1	TUBE, primary pump to final filter
1	702 255 C1	FILTER, water separator (Part of ATTACHMENT, 624 979 C91)	9	671 994 C1	BRACE, lub filter to fuel filter
2	444 654	PLUG, 1/4"NPT pipe (4)	10	9 402 864	ELBOW, 90° x 37° flare
3	612 277 C1	HEADER, primary fuel filter	11	671 181 C1	HOSE w/FITTINGS, final filter to injection pump (HOSE, 3/8"ID x 23" long including FITTINGS)
	63 115 D	WASHER, flat	12	612 276 C1	HEADER, final fuel filter
	21 070 R1	3/8" NUT		21 070 R1	3/8" NUT
	25 000 R1	3/8 x 8" hex-hd cap SCREW (2)		25 001 R1	3/8" x 7-1/2" hex-hd cap SCREW
	103 321	3/8" lock WASHER		103 321	3/8" lock WASHER
	103 341	13/32 x 13/16 x 16 ga. WASHER		103 341	13/32 x 13/16 x 16 ga. WASHER
	20 850 R1	3/8 x 8-1/2" hex-hd cap SCREW			
4	39 677 DA	VALVE, bleed (2)	13	674 293 C1	FILTER, final fuel
5	608 845 C1	ELBOW, 1/4" x 90° 25204 and below	14	445 751	PLUG, 1/2"NPT pipe % and below
5	304 468 R1	ELBOW, primary filter outlet 25205 and up	15	671 991 C1	SUPPORT, fuel filter
5A	606 845 C1	ELBOW, 1/4" x 90°		103 321	3/8" lock WASHER (3)
6	672 257 C1	TUBE, primary filter to primary pump 25204 and below	16	328 753 R3	GASKET
		(Order the following -	17	702 093 C1	STRAP, hose support
		1 ELBOW 304 468 R1		624 979 C91	ATTACHMENT, water separator filter (See NOTES 1 and 3) (Consists of -
		1 HOSE 673 867 C1			1 FILTER 702 255 C1)
		1 STRAP 702 093 C1)			
6A	673 867 C1	HOSE, primary filter to primary pump 25205 and up			% - Serial Number Not Available.
7	606 819 C1	CONNECTOR			NOTE 1 - Factory Application - Order on machine order form.
					NOTE 3 - Field Application - Order through regular service parts channels.

COOLING SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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RADIATOR AND CONNECTIONS

RADIATOR AND CONNECTIONS - Continued



CE 96413 B

COOLING SYSTEM

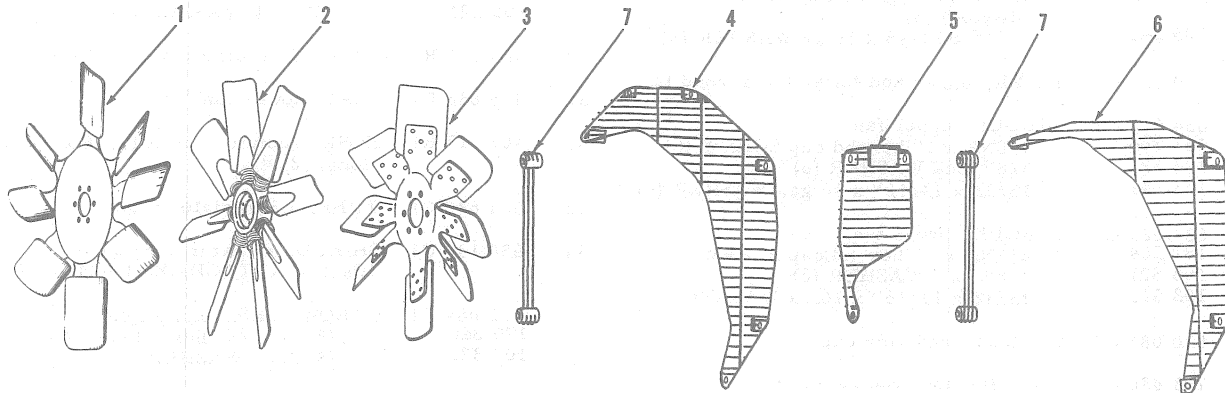
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
RADIATOR AND CONNECTIONS - Continued			RADIATOR AND CONNECTIONS - Continued		
1	620 423 C1 179 838	STIFFENER, fan shroud liner (2) 3/8 x 7/8" hex-hd cap SCREW (Nyllok) (5)	28	624 599 C1 179 840 103 321	ELBOW, radiator outlet 3/8 x 1-1/8" hex-hd cap SCREW (6) 3/8" lock WASHER (6)
	103 341	13/32 x 13/16 x 16 ga WASHER (5)	29	325 517 R1	GASKET, radiator outlet elbow
2	620 422 C1	LINER, upper and lower fan shroud (2)	30	345 638 R1	SEAL, lower tank (2)
3	624 622 C1 181 364 103 321 103 341	SHROUD, upper fan 3/8NF x 1" hex-hd cap SCREW (6) 3/8" lock WASHER (6) 13/32 x 13/16" x 16 ga. WASHER (6)	31	407 015 R1	HOSE, radiator outlet (3/16 x 3 x 5" long) (2) *
4	624 623 C1 181 364 103 321 103 341	SHROUD, lower fan 3/8NF x 1" hex-hd cap SCREW (6) 3/8" lock WASHER (6) 13/32 x 13/16" x 16 ga WASHER (6)	32	624 620 C1	TUBE, RH radiator inlet
5	620 086 C1	GASKET, radiator cap	33	650 130 C1	SHIELD, radiator core sand (Part of ATTACHMENT 624 780 C91)
6	703 480 C1	CAP, locking type radiator	34	672 084 C1 179 840 103 321	ELBOW, water pump inlet 3/8 x 1-1/8" hex-hd cap SCREW 3/8" lock WASHER
7	703 481 C1	CLAMP, radiator cap	35	303 027 C1	GASKET, water pump inlet elbow
8	703 482 C1 17 281 R1	HANDLE, radiator cap clamp PIN, 1/8 x 7/8" spring	36	627 317 C1	TANK, radiator top
9	624 621 C2	TUBE, radiator overflow	37	627 320 C1	MEMBER, R.H. side
10	120 131	NUT, radiator overflow pipe coupling	38	627 321 C1	MEMBER, L.H. side
11	120 130	SLEEVE, radiator overflow pipe	39	627 322 C1	TANK, radiator bottom
12	324 005 R1	BODY, radiator overflow tube connector (optional w/BODY 95 552 R1)	40	627 324 C1	CORE, radiator
12	95 552 R1	BODY, radiator overflow tube connector (optional w/BODY 324 005 R1)	40	627 326 C1	CORE, radiator (Part of ATTACHMENT, 624 779 C91)
13	612 558 C1 179 843 103 321	HOUSING, radiator pressure valve 3/8 x 1-1/2" hex-hd cap SCREW (4) 3/8" lock WASHER (4)	274 239 R1	CLIP, overflow pipe (2) ATTACHMENT, radiator core shield (Not for use on tractors equipped with armored radiator cores) (Consists of SHIELD, 650 130 C1) (See NOTES 1 and 3)	
14	320 391 R1	GASKET, radiator pressure valve (2)	624 779 C91	ATTACHMENT, radiator w/tube protectors (Consists of RADIATOR CORE 627 326 C1 and two GASKETS 628 112 C1) (Not for sideboom) (See NOTE 3)	
15	321 149 R92	VALVE, pressure w/"O" RING 252 707 R1	41	627 319 C1	BAR, tank tapped
16	279 038 R91	CLAMP, radiator inlet hose (8)	42	347 884 R1	WASHER, radiator core (4) 3/8" NUT (60) 3/8 x 7/8" hex-hd cap SCREW (44) 3/8 x 1" hex-hd cap SCREW (60) 3/8" lock WASHER (104)
17	407 006 R1	HOSE, radiator inlet (3/16 x 1-3/4 x 2-1/2" long) (4) *	43	628 112 C1	GASKET, radiator core (Also part of ATTACHMENT 624 779 C91)
18	624 619 C1	TUBE, LH radiator inlet	44	187 864	NIPPLE, 3/8 x 2-1/2" radiator drain valve (in water pump inlet elbow)
20	274 287 R2	MOUNTING, radiator rubber (4)	45	144 128	ELBOW, 90° radiator drain valve (on NIPPLE)
21	311 218 R1 616 373 C1 103 341	BRACKET, radiator mounting (4) BOLT, radiator mounting (16) 13/32 x 13/16" x 16 ga WASHER (4)	46	12 469 R1	NIPPLE, 3/8 x 4-1/4" radiator drain valve (in ELBOW)
22	343 142 R1	SEAL, side channel (2)	47	144 128	ELBOW, 90° radiator drain valve (on NIPPLE)
23	345 635 R1	SEAL, lower tank (2)	48	31 729 D	VALVE, radiator drain (in ELBOW)
24	343 120 R11	BAFFLE, radiator top air	* - Part Number and Price Covers One Foot of Hose. Furnished Only In Three Foot Lengths.		
25	612 512 C1 179 835 103 321 103 341	BAFFLE, LH bottom radiator air 3/8 x 5/8" hex-hd cap SCREW (3) 3/8" lock WASHER (3) 13/32 x 13/16" x 16 ga WASHER (3)	NOTE 1 - Factory Application - Order On Machine Order Form		
26	611 099 C11 179 835 103 321 103 341	BAFFLE, RH bottom radiator air 3/8 x 5/8" hex-hd cap SCREW (2) 3/8" lock WASHER (2) 13/32 x 13/16" x 16 ga WASHER (2)	NOTE 3 - Field Application - Order Regular Service Parts Channels.		
27	274 089 R91	CLAMP, radiator outlet hose (2)			

COOLING SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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FAN AND FAN GUARD

FAN AND FAN GUARD - Continued



CE-96414 A

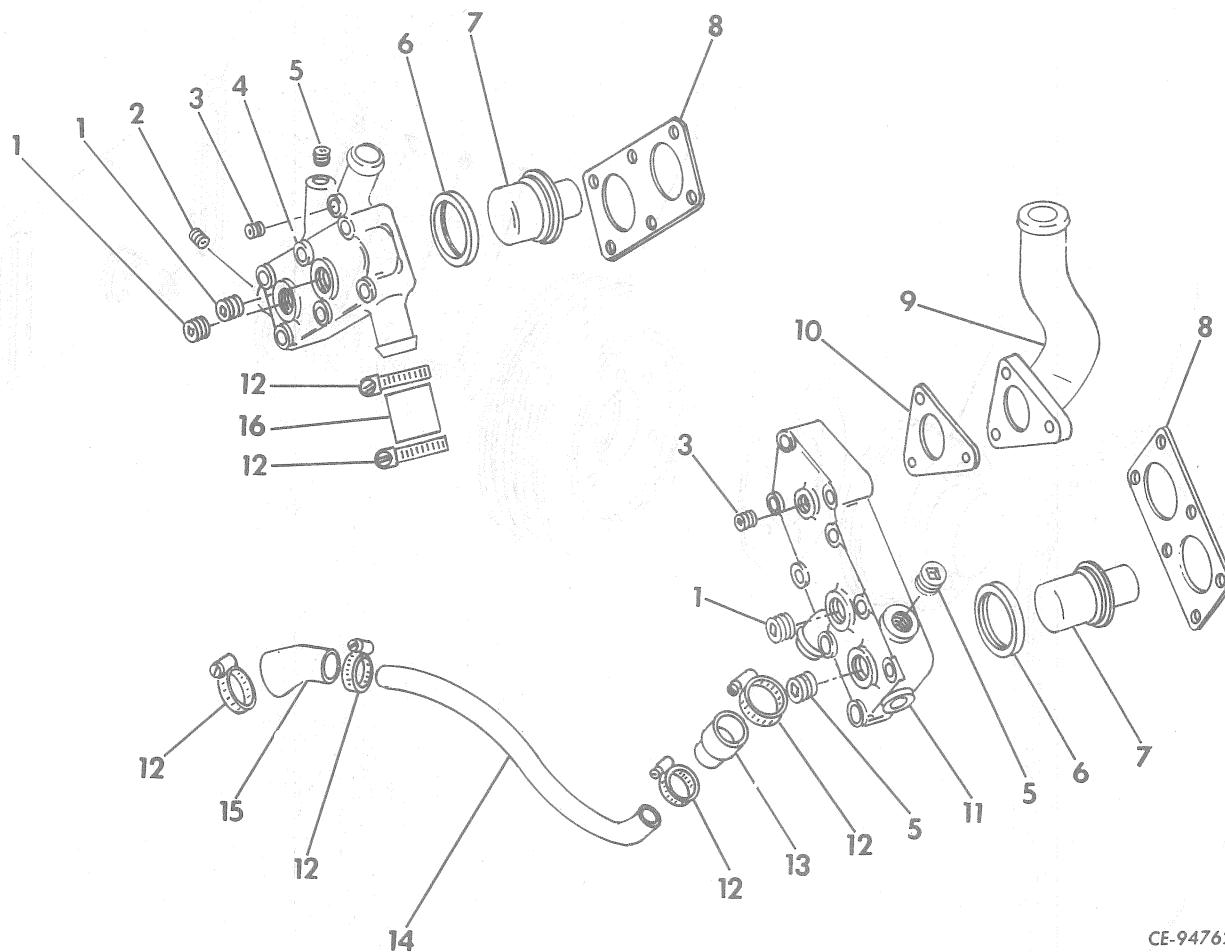
A		Service Parts for fan guard (Not used w/HYDRAULIC RADIATOR GUARD)	4	624 630 C2 186 283	GUARD, LH (A) SCREW, 3/8 x 3-1/2" hex-hd cap (Nylok) (5)
B		Service Parts for fan guard (Used w/HYDRAULIC RADIATOR GUARD)		103 341	WASHER, 13/32 x 13/16" x 16 ga (5)
C	628 406 C91	ATTACHMENT, reversible fan (See NOTE 3)	5	624 631 C1 186 283	GUARD, RH fan (A and B) SCREW, 3/8 x 3-1/2" hex-hd cap (Nylok) (2)
D	624 773 C91	ATTACHMENT, suction fan (Not used w/FAN GUARD) (Not for Manual Shift Custom) (See NOTES 1 and 3)		102 635 103 321 103 341	NUT, 3/8" (2) WASHER, 3/8" lock (2) WASHER, 13/32 x 13/16" x 16 ga (2)
E		Service Parts for blower fan (Power Shift and Sideboom)	6	650 092 C2 186 283	GUARD, LH fan (Part of ATTACHMENT, 624 064 C91) (B) SCREW, 3/8 x 3-1/2" hex-hd cap (Nylok) (3)
F		Service Parts for suction fan (Manual Shift Custom)		103 341 179 838	WASHER, 13/32 x 13/16" x 16 ga (3) SCREW, 3/8 x 7/8" hex-hd cap (Nylok) (Shroud linear and linear stiffener hold down) (2)
G	628 366 C91	ATTACHMENT, blower fan (For Manual Shift Custom) (See NOTES 1 and 3)		103 341	WASHER, 13/32 x 13/16 x 16 ga (2)
1	625 894 C1 311 979 R1 103 341 23 203 R1 103 321	FAN, suction (30" dia) (D and F) SCREW, hex-hd cap (D) WASHER, 13/32 x 13/16 x 16 ga (D) (7) SCREW, 3/8 x 2-7/8" hex-hd cap (Service Parts F) (6) WASHER, 3/8" lock (Service Parts F) (6)	7	650 426 C1	GUARD, LH & RH side finger (A and B) (2)
2	625 893 C1 179 850 103 321	FAN, reversible (C) SCREW, 3/8 x 2-3/4" hex-hd cap (6) WASHER, 3/8" lock (6)	7	650 444 C1	GUARD, RH side finger (C)
3	625 658 C1 179 850 103 321	FAN, blower (30" dia) (E and G) SCREW, 3/8 x 2-3/4" hex-hd cap (6) WASHER, 3/8" lock (6)		650 355 C1	GUARD, RH side slide (C)

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

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

COOLING SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
THERMOSTAT, THERMOSTAT HOUSING AND THERMOSTAT PIPING			THERMOSTAT, THERMOSTAT HOUSING AND THERMOSTAT PIPING - Continued		



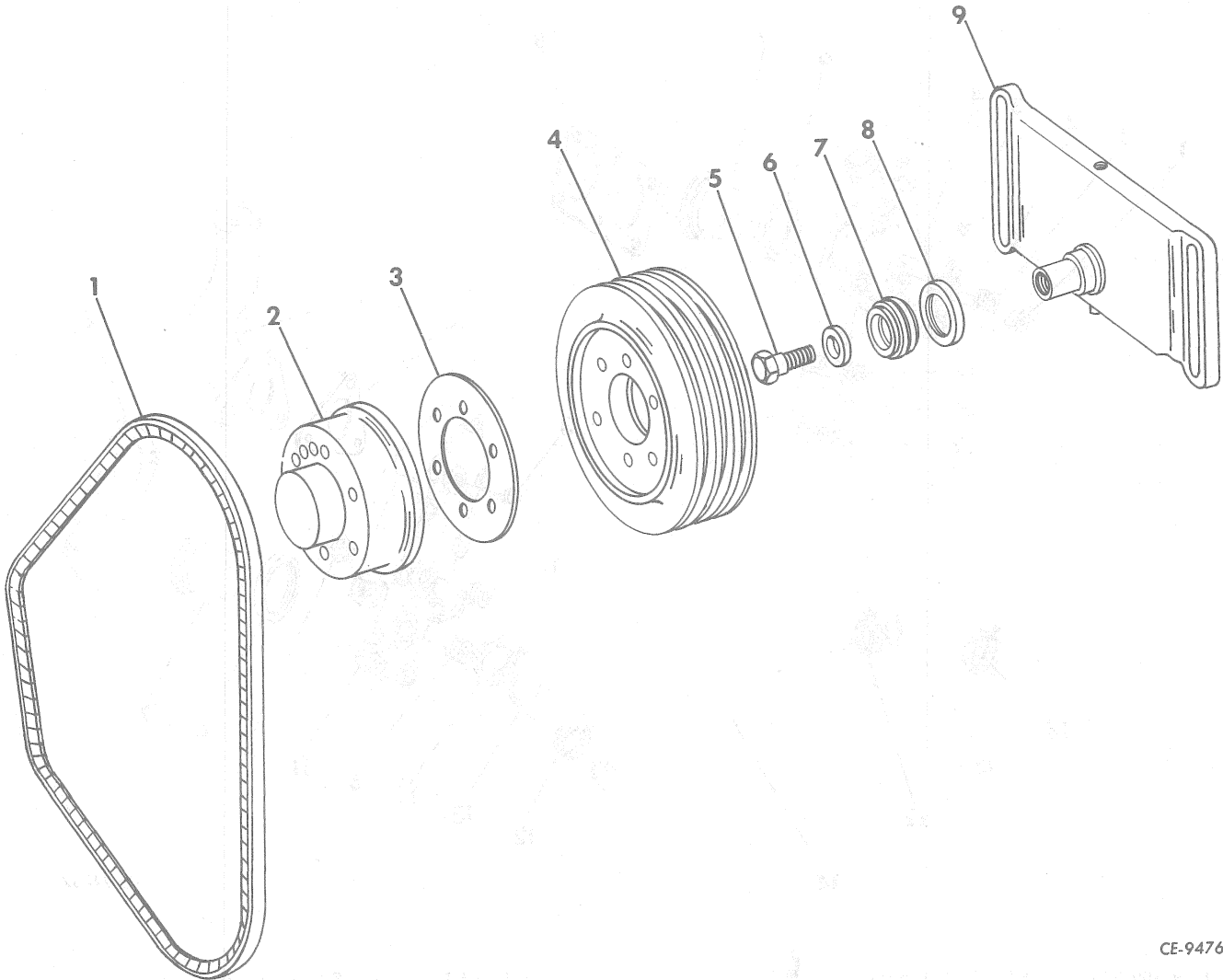
CE-94762

1	9 409 949	PLUG, 3/4"NPT pipe (3)	8	315 955 R1	GASKET, thermostat housing (2)
2	444 660	PLUG, 3/8"NPT pipe	9	671 975 C1 357 218 R1	ELBOW, water outlet 3/8 x 3-1/4 hex-hd cap SCREW (3)
3	444 687	PLUG, 1/8"NPT pipe (2)	10	671 956 C1	GASKET, water outlet elbow
4	670 504 C3 22 435 R1	HOUSING, RH thermostat 3/8 x 3" hex-hd cap SCREW (type 8) (6)	11	671 045 C1 22 435 R1	HOUSING, LH thermostat 3/8 x 3" hex-hd cap SCREW (type 8) (6)
	103 321	3/8" lock WASHER (6)		103 321	3/8" lock WASHER (6)
	103 341	13/32 x 13/16" x 16 ga. WASHER (6)		103 341	13/32 x 13/16" x 16 ga. WASHER (6)
5	445 751	PLUG, 1/2"NPT pipe (4)	12	311 164 C91	CLAMP, hose (6)
6	347 497 R91	RING, thermostat seal (Optional with RING 615 175 C91) (2)	13	612 324 C1	HOSE, LH thermostat crossover tube
6	615 175 C91	RING, thermostat seal (Optional with RING 347 497 R91) (2)	14	671 047 C1	TUBE, thermostat crossover
7	672 566 C1	THERMOSTAT (170° to 192°) (Optional with THERMOSTAT 672 567 C1) (2)	15	612 325 C1	HOSE, RH thermostat crossover tube (at water pump)
7	672 567 C1	THERMOSTAT (175° to 190°) (Optional with THERMOSTAT 672 566 C1) (2)	16	407 001 R1	HOSE, thermostat by-pass to water pump (1-1/4" ID x 2-1/2" long *)
7	672 568 C1	THERMOSTAT (185° to 200°) (Optional with THERMOSTAT 672 569 C1) (2)			
7	672 569 C1	THERMOSTAT (180° to 202°) (Optional with THERMOSTAT 672 568 C1) (2)			

* - Part Number and Price Covers
One Foot of Hose. Furnished only
in Three Foot Lengths.

COOLING SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
FAN PULLEY, FAN BELT AND BRACKET			FAN PULLEY, FAN BELT AND BRACKET - Continued		



CE-94760

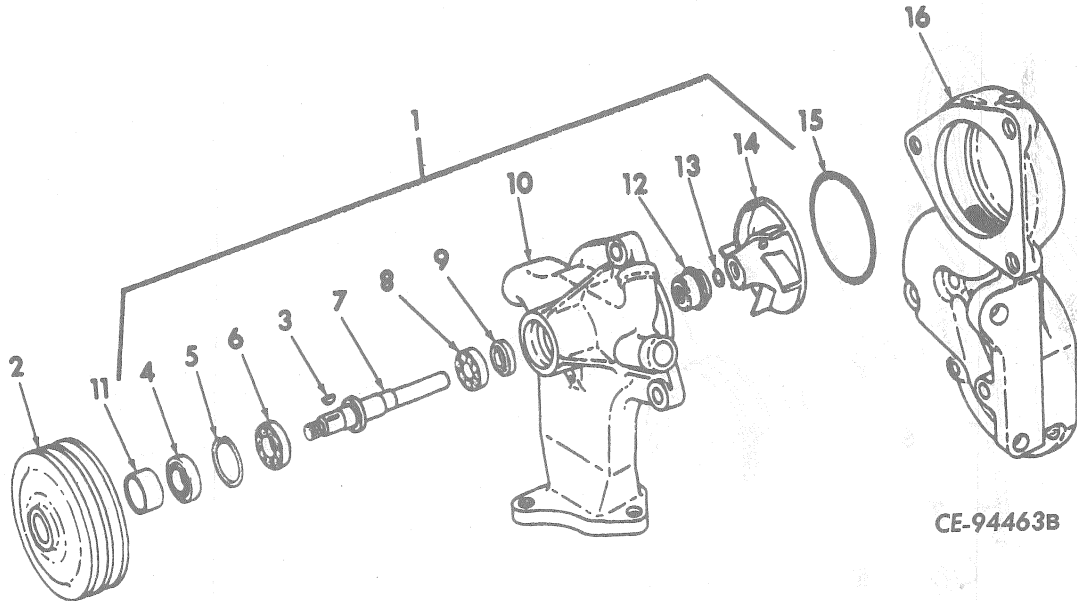
1	680 688 C1	BELT, fan (matched set)	6	671 164 C1	WASHER, retainer
2	612 305 C2	SPACER, fan	7	327 185 R91	BEARING, fan pulley
	24 586 R1	3/8 x 2-3/4" hex-hd cap SCREW	8	464 910 R91	SEAL, oil
	103 321	(type four) (6)	9	671 163 C1	BRACKET, fan pulley
	103 341	3/8" lock WASHER (6)		186 659	1/2 x 3-3/4" hex-hd cap (type 8)
3	609 418 C1	GASKET, fan spacer			SCREW (4)
4	671 162 C1	PULLEY, fan		103 323	1/2" lock WASHER (4)
5	20 664 R1	SCREW, 5/8 x 2-3/4" hex-hd cap		20 903 D	WASHER (4)
				676 683 C1	PLATE, two-hole threaded
				676 684 C1	PLATE, three-hole threaded

COOLING SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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WATER PUMP, PULLEY AND VOLUTE HOUSING

WATER PUMP, PULLEY AND VOLUTE HOUSING - Continued



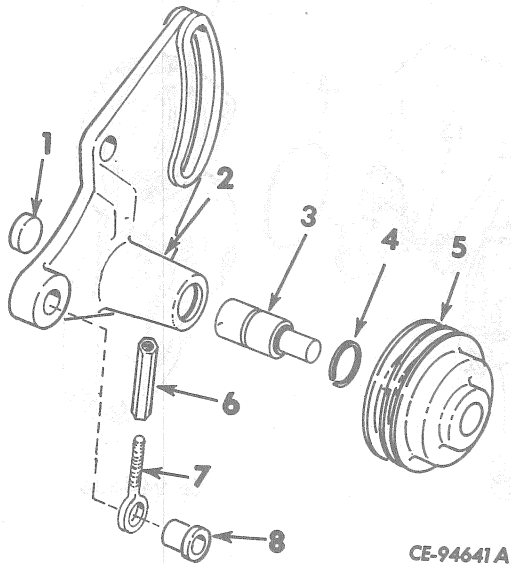
CE-94463B

1	607 307 C94	PUMP ASSY, water (less volute housing)	609 462 C91	PACKAGE, water pump field service (x)
	20 612 R1	1/2 x 1-3/8" hex-hd cap SCREW (type 8) (2)		(Consists of -
	103 323	1/2" lock WASHER (2)		1 BEARING ST 286
	103 343	17/32 x 1-1/16 x 13 ga. WASHER (2)		1 BEARING 677 441 C91
2	601 842 C21	PULLEY w/SLEEVE 606 676 C1, water pump (*)		1 GASKET 601 836 C2
	9 416 488	NUT, Esna stop		1 IMPELLER 601 841 C1
3	124 545	KEY, 1/8 x 5/8" woodruff		1 KEY 124 545
4	606 677 C91	OIL SEAL, water pump front		1 NUT 9 416 488
5	456 736 R1	RING, snap		1 "O" RING 3 046 999 R1
6	677 441 C91	BEARING, front		1 OIL SEAL 338 394 R91
7	601 840 C1	SHAFT, water pump		1 OIL SEAL 606 677 C91
8	ST 286	BEARING, rear		1 PACKAGE 701 331 C91
9	338 394 R91	OIL SEAL, water pump rear		1 RING 456 736 R1
10		HOUSING, water pump (Not furnished separately)		1 SHAFT 601 840 C1
	23 164 R1	3/8 x 1-1/4" hex-hd cap SCREW (3)		1 SLEEVE 606 676 C1)
	103 341	13/32 x 13/16 x 16 ga. WASHER (3)		
	103 321	3/8" lock WASHER (3)		
11	606 676 C1	SLEEVE, water pump pulley		
12	701 331 C91	PACKAGE, water pump seal (Consists of SEAL and SEAT 265 164 C91)		
13	265 164 C91	SEAT, water pump seal		
14	601 841 C1	IMPELLER		
15	3 046 999 R1	"O" RING, 4-1/2 x 4-3/4 x 1/8" (*)		
16	612 241 C1	HOUSING, water pump volute (*)		
	144 048	BUSHING, reducing pipe		(*) - Not furnished as part of Pump Assy.
	444 660	PLUG, 1/8"NPT pipe		(x) - As Required
	9 409 949	PLUG, 3/4"NPT pipe (*)		

COOLING SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION
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FAN IDLER AND FAN IDLER BRACKET



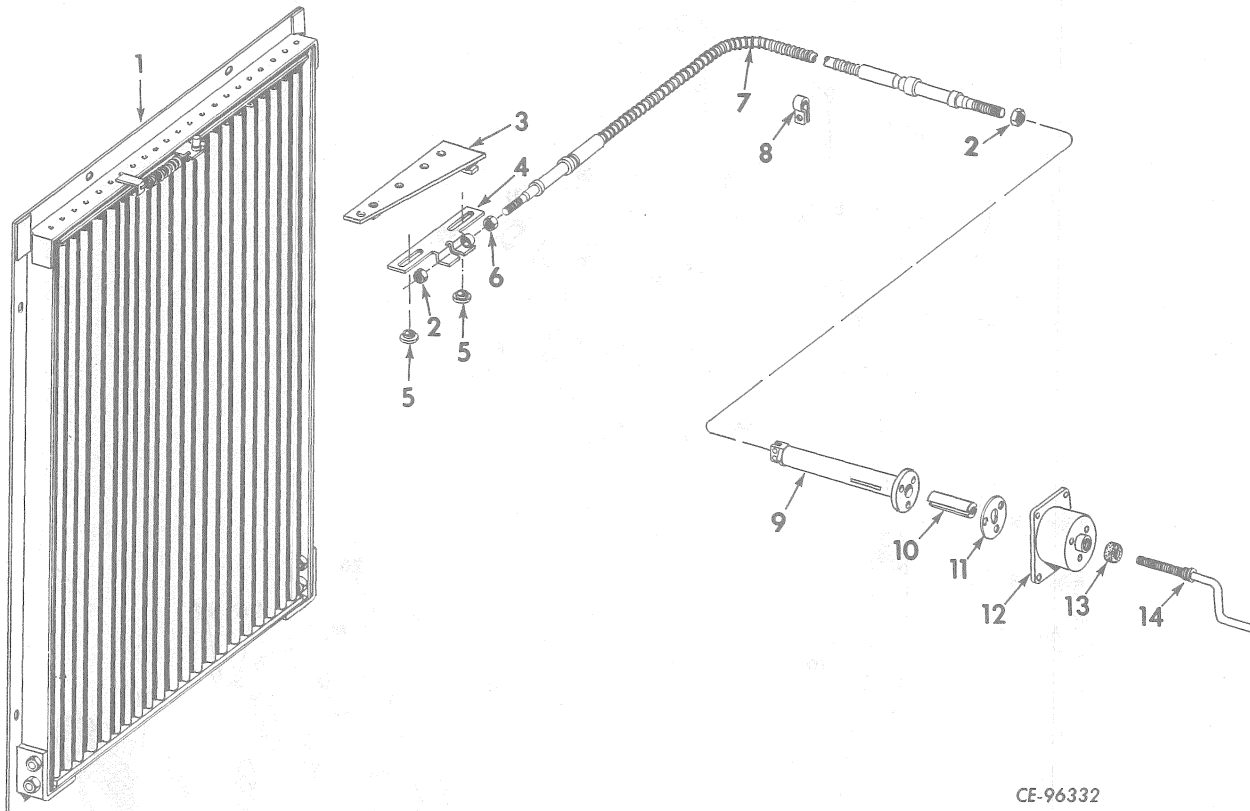
1	172 547	PLUG, cup
2	671 241 C1	BRACKET, fan idler
	21 070 R1	3/8" NUT (2)
	631 994 R1	3/8 x 2-1/2" hex-hd cap SCREW (type 8) (2)
	103 321	3/8" lock WASHER (2)
	670 278 C1	WASHER
	103 341	13/32 x 13/16 x 16 ga. WASHER (2)
3	606 164 C91	BEARING, fan idler
4	327 316 R1	RING, snap
5	671 240 C1	PULLEY, fan idler
6	672 360 C1	TURN BUCKLE, idler adjusting
7	672 361 C1	BOLT, eye (LH thread)
	364 257 R1	1/2 x 1-3/4" hex-hd cap SCREW (type 8)
	103 323	1/2" lock WASHER
8	672 363 C1	BUSHING

COOLING SYSTEM

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

RADIATOR SHUTTER - Continued



CF-96332

334 587 R91	ATTACHMENT, radiator shutter (for tractors equipped with standard radiator GUARD 334 405 R91 or hydraulic radiator GUARD 334 500 R91) (See NOTE 3)	9	337 669 R11	GUIDE, shutter control crank	
624 441 C91	ATTACHMENT, radiator shutter (Not used on Sideboom w/Rear CCU) (*)	179 839	3/8 x 1" hex-hd cap SCREW (3)		
1	603 665 C92	SHUTTER, radiator	103 321	3/8" lock WASHER (3)	
	179 835	3/8 x 5/8" hex-hd cap SCREW (9)			
	103 321	3/8" lock WASHER (9)			
	103 341	13/32 x 13/16 x 16 ga. WASHER (9)			
2	109 084	NUT, 1/4" (2)	10	337 673 R1	PLUG, travel
3	345 777 R91	PLATE, actuator	11	337 676 R1	SPACER, shutter control crank
	179 838	3/8 x 7/8" hex-hd cap SCREW (3)	12	337 672 R1	BRACKET, shutter control crank mounting
	179 819	5/16 x 1-1/8" hex-hd cap SCREW	102 635	3/8" NUT (4)	
	103 321	3/8" lock WASHER (3)	179 839	3/8 x 1" hex-hd cap SCREW (4)	
	103 320	5/16" lock WASHER	103 321	3/8" lock WASHER (4)	
4	334 494 R91	ACTUATOR, shutter	13	277 184 R1	BOOT
5	334 061 R1	GUIDE, actuator shutter (2)	14	337 674 R11	CRANK, shutter control
	179 838	3/8 x 7/8" hex-hd cap SCREW (2)			
	103 321	3/8" lock WASHER (2)			
6	103 024	NUT, 1/4NF jam			
7	609 754 C91	ROD, radiator shutter control			
	179 819	5/16 x 1-1/8" hex-hd cap SCREW (2)			
	103 319	1/4" lock WASHER (3)			
	103 320	5/16" lock WASHER (2)			
8	311 500 R1	CLIP, shutter control rod (2)			
	102 635	3/8" NUT (2)			
	114 670	3/8 x 3/4" slt-mach SCREW (2)			
	103 321	3/8" lock WASHER (2)			

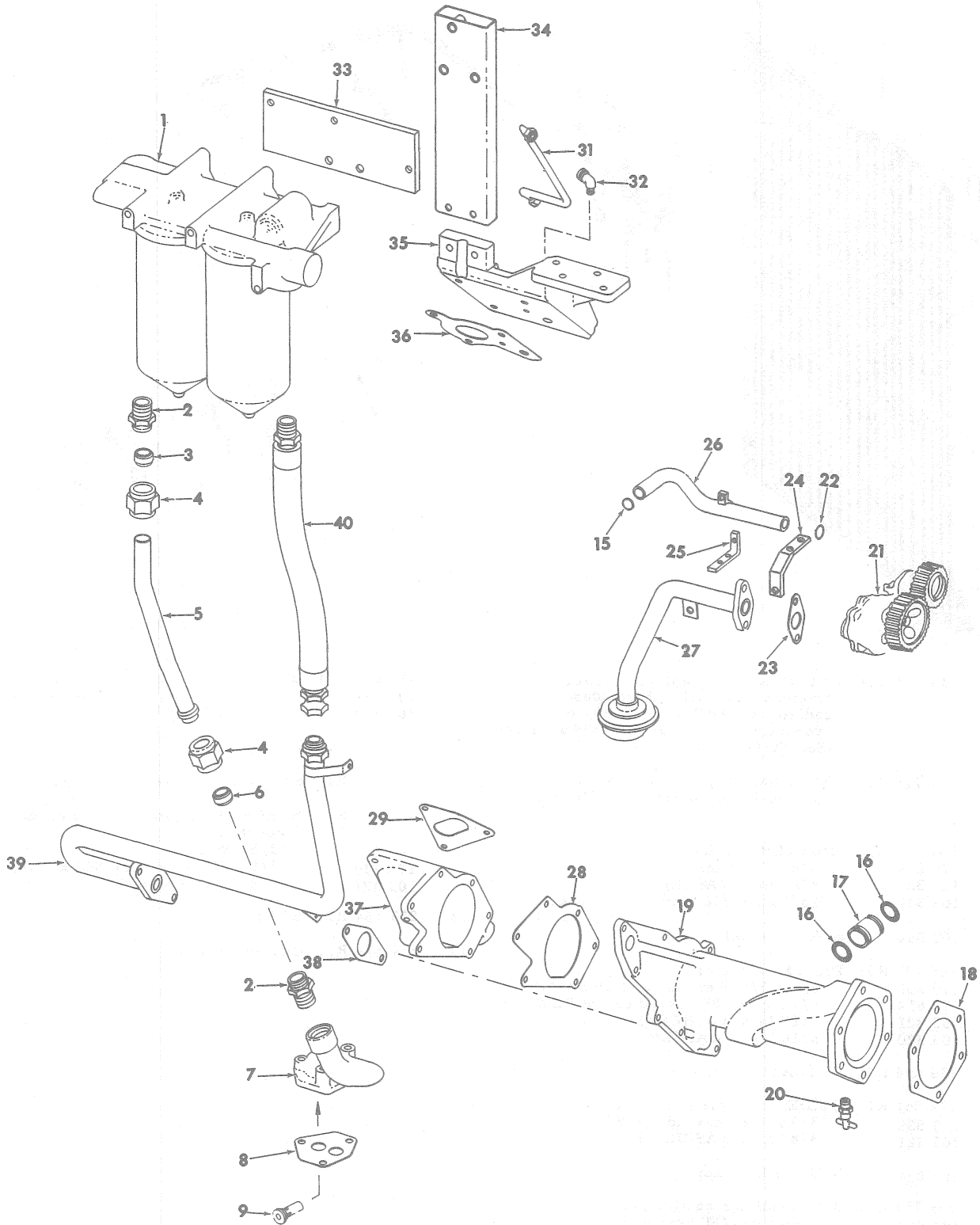
(*) - Attachment No Longer Available
Service Parts Will Be Furnished
As Ordered.

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

LUBRICATION SYSTEM

ENGINE OIL COOLER, OIL FILTER AND OIL PUMP
PIPING

ENGINE OIL COOLER, OIL FILTER AND OIL PUMP
PIPING - Continued



CE-94615

LUBRICATION SYSTEM

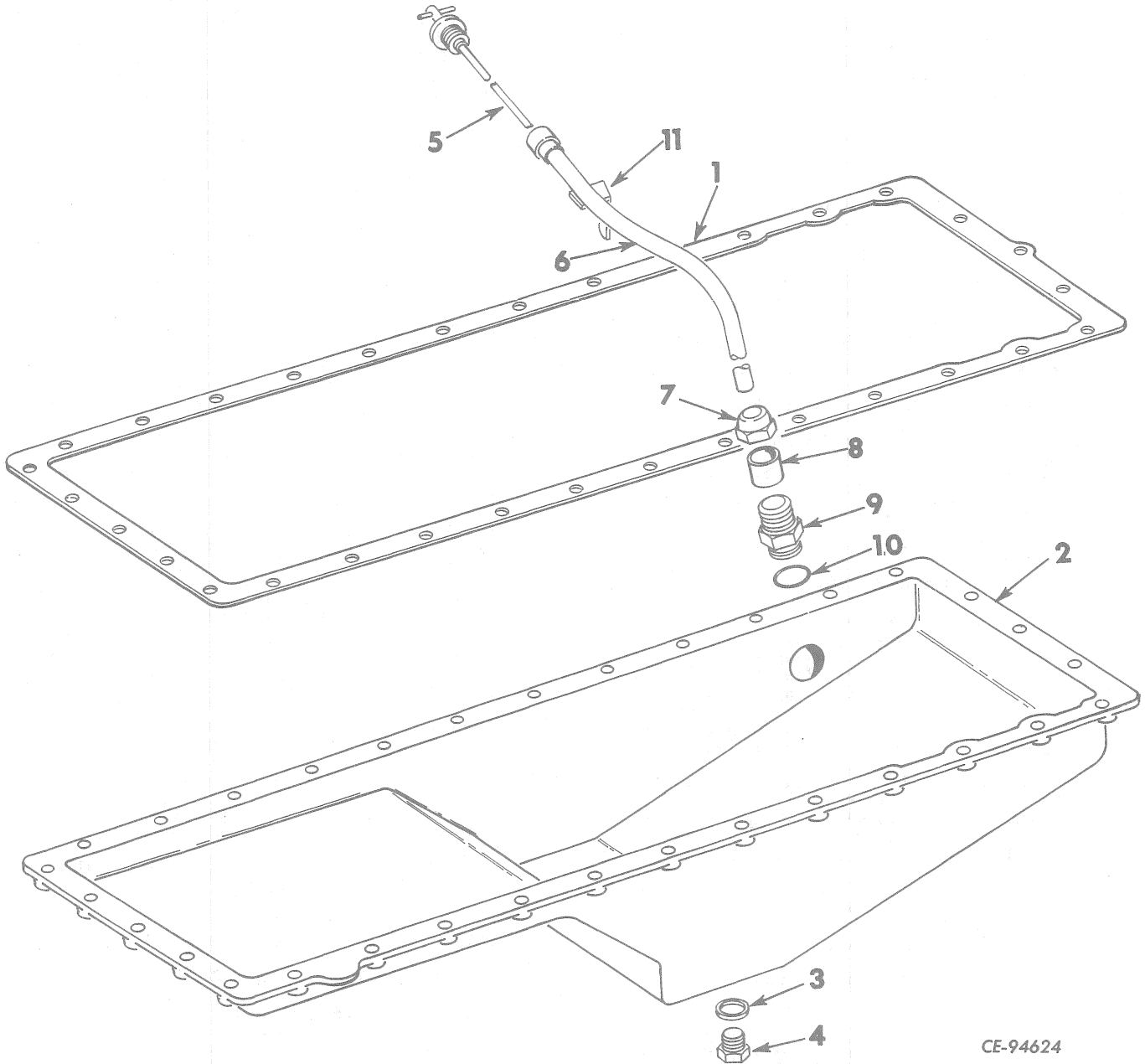
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ENGINE OIL COOLER, OIL FILTER AND OIL PUMP PIPING - Continued			ENGINE OIL COOLER, OIL FILTER AND OIL PUMP PIPING - Continued		
1		FILTER, lubricating oil (for components see list of parts under details of "Lubricating Oil Filter")	26	601 908 C91	TUBE, oil pump outlet
				21 070 R1	3/8" NUT
				20 834 R1	3/8 x 3/4" hex-hd cap SCREW (type 8)
2	310 154 R1	NIPPLE (2)		103 321	3/8" lock WASHER
3	338 700 R91	FERRULE and SEAL RING	27	671 434 C1	TUBE, oil pump inlet
4	279 472 R91	NUT and COLLAR (2)		354 922 R1	3/8 x 2" hex-hd cap SCREW (type 8) (2)
5	672 304 C1	TUBE, oil filter to crankcase		103 321	3/8" lock WASHER (2)
6	338 619 R1	RING, seal	28	672 302 C1	GASKET, rear oil cooler
7	672 081 C1	ELBOW, crankcase oil inlet	29	328 911 R1	GASKET, oil cooler water outlet
	354 921 R1	3/8 x 1-1/2" hex-hd cap SCREW (type 8)	31	671 396 C1	TUBE, oil pressure
	20 649 R1	3/8 x 2-1/4" hex-hd cap SCREW (type 8) (2)	32	606 296 C1	ELBOW, oil pressure tube
	103 321	3/8" lock WASHER (3)	33	671 415 C1	BRACKET, lube filter
8	345 246 R1	GASKET, oil inlet elbow		354 921 R1	3/8 x 1-1/2" hex-hd cap SCREW (2)
				103 321	3/8" lock WASHER (2)
9	341 195 R92	VALVE, pressure regulator	34	672 301 C1	SUPPORT, lub filter
15	343 396 R2	"O" RING, 1-1/8 x 1-3/8 x 1/8"		21 070 R1	3/8" NUT (2)
				354 921 R1	3/8 x 1-1/2" hex-hd cap SCREW (2)
16	343 398 R2	"O" RING, 1-1/4 x 1-1/2 x 1/8" (2)		103 321	3/8" lock WASHER (2)
17	601 919 C1	SLEEVE, oil cooler inlet	35	671 482 C1	ADAPTER, filter mounting
18	601 836 C2	GASKET, oil cooler (pump end)		23 164 R1	3/8 x 1-1/4" hex-hd cap SCREW (type 8)
19	613 894 C92	COOLER, engine oil		24 619 R1	3/8 x 1-5/8" hex-hd cap SCREW
	23 164 R1	3/8 x 1-1/4" hex-hd cap SCREW (at water pump) (type 8) (3)		24 999 R1	3/8 x 1-7/8" hex-hd cap SCREW
	24 586 R1	3/8 x 2-3/4" hex-hd cap SCREW (at water pump) (type 8)		20 649 R1	3/8 x 2-1/4" hex-hd cap SCREW (type 8)
	357 210 R1	3/8 x 3-1/4" hex-hd cap SCREW (at water pump) (type 8) (2)		20 661 R1	5/8 x 2" hex-hd cap SCREW (type 8)
	23 164 R1	3/8 x 1-1/4" hex-hd cap SCREW (type 8)		103 321	3/8" lock WASHER (4)
	354 921 R1	3/8 x 1-1/2" hex-hd cap SCREW (type 8)		103 325	5/8" lock WASHER
	20 063 R1	3/8 x 5" hex-hd cap SCREW (type 8)		444 612	PLUG, 1/8" pipe (2)
	103 321	3/8" lock WASHER (at water pump) (6)		444 654	PLUG, 1/4" pipe
	103 341	13/32 x 13/16" x 16 ga. WASHER (at water pump) (6)	36	671 957 C1	GASKET, filter mounting adapter
20	31 729 D	VALVE, oil cooler drain	37	671 251 C1	HEADER, rear oil cooler
	142 263	ADAPTER, reducing pipe (1" NPT x 3/8)		23 164 R1	3/8 x 1-1/4" hex-hd cap SCREW (type 8) (4)
21		PUMP ASSY, oil (for components see list of parts under details of "Lubricating Oil Pump")		20 649 R1	3/8 x 2-1/4" hex-hd cap SCREW (type 8) (2)
				24 588 R1	3/8 x 5-1/2" hex-hd cap SCREW (type 8)
22	343 396 R2	"O" RING, discharge (1-1/8 x 1-3/8 x 1/8")		103 321	3/8" lock WASHER (7)
23	607 130 C2	GASKET, oil pump inlet tube	38	672 099 C1	GASKET, oil cooler
24	609 108 C1	SUPPORT, oil pump inlet tube	39	671 717 C1	TUBE, oil cooler to lub filter
	21 070 R1	3/8" NUT		21 070 R1	3/8" NUT (2)
	20 834 R1	3/8 x 3/4" hex-hd cap SCREW (type 8)		354 921 R1	SCREW, hex-hd cap (type 8) (2)
	560 164 R1	3/8 x 7/8" hex-hd cap SCREW (type 8) (2)		103 321	3/8" lock WASHER (2)
	103 321	3/8" lock WASHER (3)	40	672 313 C1	HOSE w/two FITTINGS, oil cooler to filter (HOSE 1" ID x 19-1/2" long including FITTINGS)
25	601 909 C1	SUPPORT, oil pump outlet tube			
	20 834 R1	3/8 x 3/4" hex-hd cap SCREW (type 8) (2)			
	103 321	3/8" lock WASHER (2)			

LUBRICATION SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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OIL PAN AND OIL GAUGE

OIL PAN AND OIL GAUGE - Continued



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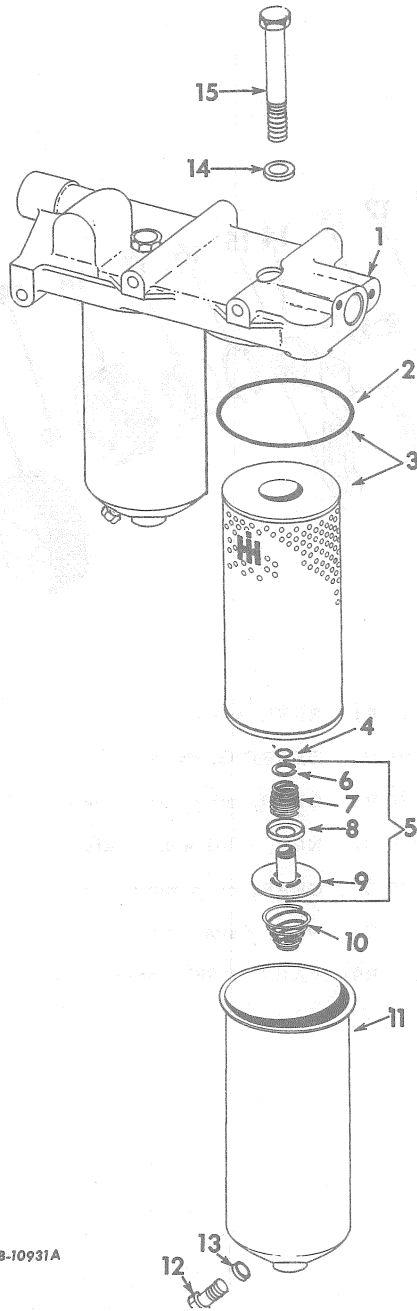
1	337 204 R2	GASKET, oil pan	6	672 092 C1	SLEEVE w/CLIP, oil level gauge
2	671 436 C1	PAN, oil	7	277 738 R1	NUT, sleeve
	23 164 R1	3/8 x 1-1/4" hex-hd cap SCREW (type 8) (31)	8	277 737 R1	SLEEVE, sealing
	24 495 R1	3/8 x 3-3/4" hex-hd cap SCREW (type 8)	9	610 400 C1	BODY, connector
	103 321	3/8" lock WASHER (32)	10	570 828 R1	"O" RING (.644 x .818 x .087")
3	3 405 H	GASKET, oil pan drain plug	11		CLIP, sleeve (Not Furnished Separately)
4	445 096	PLUG, 7/8" hex-hd oil pan drain	349 294 R1		SPACER
5	671 929 C1	GAUGE, oil level (Not used with oil filler LOCK CAP ATTACHMENT 628 012 C91)			

LUBRICATION SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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LUBRICATING OIL FILTER

LUBRICATING OIL FILTER - Continued



5	332 579 R91	VALVE ASSY, by-pass (2)
6	154 665 R1	RETAINER, by-pass valve spring (2)
7	308 458 R1	SPRING, by-pass valve (2)
8	19 854 D	WASHER, by-pass valve (2)
9	332 580 R1	CUP, element seating (2)
10	308 422 R1	SPRING, oil filter element retainer (2)
11	345 438 R92	CASE, oil filter (2)
12	445 078	PLUG, drain (2)
13	119 937	GASKET, 1/2" annular (2)
14	345 441 R1	WASHER, copper (2)
15	345 440 R1	BOLT, oil filter case retaining (2)
	444 660	PLUG, 3/8" sq-soc pipe (in oil filter header)
	444 678	PLUG, 1" sq-soc pipe (in oil filter header) (2)

IPB-10931A

345 446 R91 FILTER ASSY, lubricating oil
 21 070 R1 3/8" NUT (3)
 20 058 R1 SCREW, 3/8 x 7" hex-hd cap (2)
 20 850 R1 SCREW, 3/8 x 8-1/2" hex-hd cap
 103 321 3/8" lock WASHER (3)
 (Consists of the following parts -

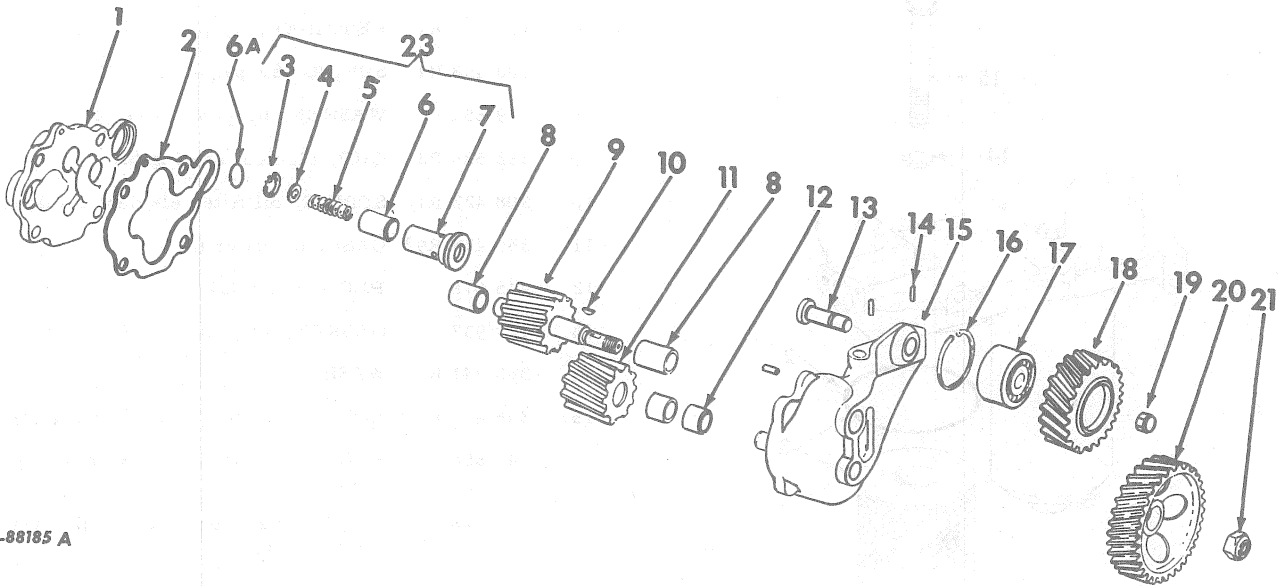
1	345 447 R1	HEADER, oil filter
2	602 997 C1	GASKET, oil filter case (2)
3	602 998 C91	PACKAGE w/ELEMENT and GASKET 602 997 C1 (2)
4	324 653 R1	RING, oil filter case retaining bolt seal (2)

LUBRICATION SYSTEM

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

LUBRICATING OIL PUMP - Continued

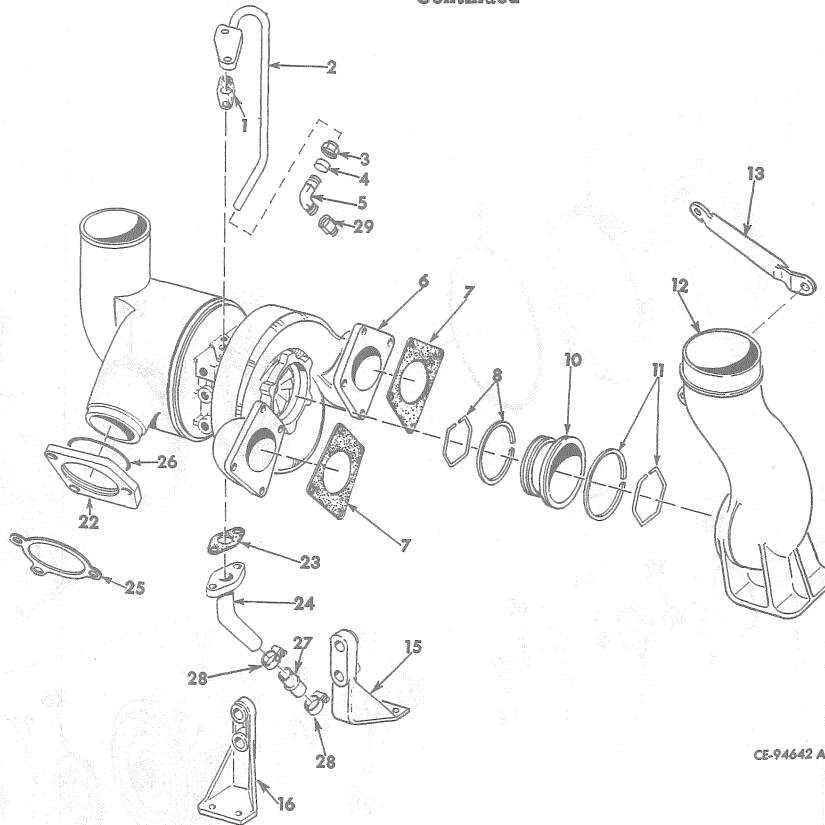


CE-88185 A

670 275 C93	PUMP ASSY, lubricating oil	16	376 219 R1	RING, snap
142 127 R1	WASHER, hardened (6)	17	51 791 H	BEARING, drive idler
354 921 R1	SCREW, hex-hd cap (2)	18	326 770 R2	GEAR, oil pump drive idler (22 T)
103 321	3/8" lock WASHER (2)	19	625 436 C1	NUT, idler gear shaft
	(Consists of the following parts -	20	601 905 C2	GEAR, oil pump drive
1	349 064 R11 COVER w/BUSHING, 345 292 R1, oil pump	21	625 338 C1	NUT, Esna lock
	179 844 3/8 x 1-5/8" hex-hd cap SCREW	23	345 161 R91	VALVE ASSY, safety
	103 321 3/8" lock WASHER			
2	349 065 R1 GASKET, oil pump cover			
3	RING, snap (Not furnished separately)			
4	SEAT, spring (Not furnished separately)			
5	SPRING, safety valve (Not furnished separately)			
6	BODY, safety valve (Not furnished separately)			
6A	349 055 R2 "O" RING, .799 x 1.005 x .103"			
7	HOUSING, safety valve (Not furnished separately)			
8	345 292 R1 BUSHING, drive shaft (2)			
9	326 765 R12 SHAFT, oil pump drive			
10	124 545 KEY, 1/8 x 5/8" Woodruff			
11	326 767 R21 GEAR, w/two BUSHING, 326 768 R1, oil pump idler (10 T)			
12	326 768 R1 BUSHING, idler gear (2)			
13	670 277 C2 SHAFT, oil pump idler			
14	19 841 R1 PIN, dowel (3)			
15	670 276 C21 BODY w/BUSHING 345 292 R1 and PIN 19 841 R1, oil pump			

TURBOCHARGER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TURBOCHARGER, EXHAUST ELBOW, AND PIPING			TURBOCHARGER, EXHAUST ELBOW, AND PIPING - Continued		



CE-94642 A

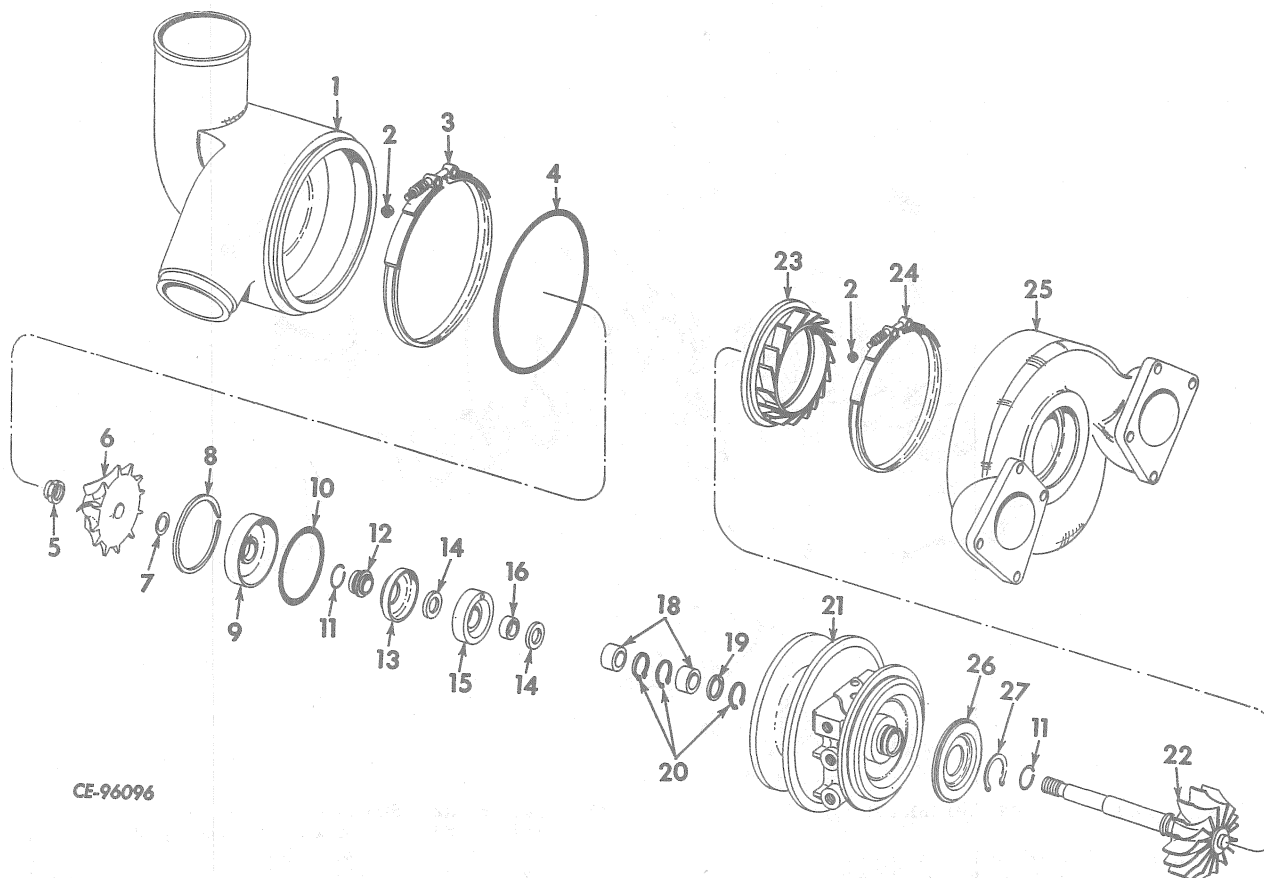
1	253 660 R1	GASKET, oil inlet flange	15	343 471 R2	SUPPORT, turbo RH
2	680 257 C1	TUBE, oil inlet together with ELBOW 277 743 R1 and ADAPTER 444 002 will work for TUBE 343 473 R11	151 629 R1	3/8 x 1" hex-hd cap SCREW (type 8) (2)	
	23 164 R1	3/8 x 1-1/4" hex-hd cap SCREW (type 8) (2)	374 831 R1	3/8 x 1-3/4" hex-hd cap SCREW (type 8) (2)	
	103 321	3/8" lock WASHER (2)	103 321	3/8" lock WASHER (4)	
3	277 738 R1	NUT	16	343 470 R2	SUPPORT, turbo LH
4	277 737 R1	SLEEVE	151 629 R1	3/8 x 1" hex-hd cap SCREW (type 8) (2)	
5	277 743 R1	ELBOW, 90° 1/2" tube x 3/8"NPT (used w/TUBE 680 257 C1)	374 831 R1	3/8 x 1-3/4" hex-hd cap SCREW (type 8) (2)	
5	338 699 R1	ELBOW (used w/TUBE 343 473 R11)	103 321	3/8" lock WASHER (4)	
6		TURBOCHARGER ASSY (For components see list of parts under details of "Turbocharger")	22	337 233 R1	ADAPTER, turbo to intake (2)
7	330 024 R1	GASKET, turbo exhaust flange (2)	24 589 R1	3/8 x 1-1/4" hex-hd cap SCREW (type 8) (4)	
8	702 019 C1	RING, exhaust sleeve seal	23	253 664 R2	GASKET, tube flange
10	343 475 R1	SLEEVE, turbocharger exhaust	24	678 011 C1	TUBE, lubrication oil drain
11	346 844 R91	RING, exhaust sleeve seal	151 629 R1	3/8 x 1" hex-hd cap SCREW (type 8) (2)	
12	672 322 C1	ELBOW, turbo exhaust	103 321	3/8" lock WASHER (2)	
	24 589 R1	3/8 x 1-1/4" hex-hd cap SCREW (type 8) (4)	25	328 753 R3	GASKET, intake manifold (2)
	103 321	3/8" lock WASHER (4)	26	601 426 C1	"O" RING, 3-7/8 x 4-1/4 x 3/16" (2)
13	672 342 C1	SUPPORT, turbo exhaust elbow	27	678 013 C1	HOSE, high temperature
	21 070 R1	3/8" NUT	28	122 316 R91	CLAMP, hose (2)
	24 999 R1	3/8 x 1-7/8" hex-hd cap SCREW	29	444 002	ADAPTER, 3/8"NPT x 3/8"NPT (used w/TUBE 680 257 C1)
	324 470 R1	3/8 x 1-1/8" hex-hd cap SCREW			
	103 321	3/8" lock WASHER (2)			

TURBOCHARGER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TURBOCHARGER (Schwitzer)

TURBOCHARGER - Continued (Schwitzer)



CE-96096

625 429 C92	TURBOCHARGER ASSY (Model V4MD-459)	10	347 346 R1	"O" RING, 3.485 x 3.765 x .140" (insert)
560 172 R1	3/8NF x 1-1/2" hex-hd cap SCREW (type 8) (5)	11	313 156 R1	RING, piston (4)
304 451 R1	NUT, lock (5)	12	347 226 R1	SLEEVE, flinger
310 427 R1	BOLT (3)	13	347 348 R1	DEFLECTOR, oil (137856)
	(Consists of the following parts -		347 215 R1	PLATE, bolt lock (137017) (3)
1	625 974 C1 COVER, turbocharger compressor		347 214 R1	SCREW, oil deflector hex-hd cap (3)
2	NUT (Not furnished separately)	14	347 217 R1	WASHER, thrust (2)
3	610 884 C91 CLAMP, compressor cover	15	347 349 R1	BEARING, thrust
4	347 333 R1 RING, compressor cover sealing	16	347 219 R1	SLEEVE, spacer
5	19 850 R1 LOCKNUT, compressor wheel	18	610 890 C1	BUSHING, housing (2)
6	606 906 C1 WHEEL, compressor	19	610 888 C1	SLEEVE, oil control
7	347 208 R1 SHIM, .003" compressor wheel (x)	20	321 985 R1	RING, snap (4)
7	347 209 R1 SHIM, .005" compressor wheel (x)	21	610 889 C1	HOUSING, bearing
7	347 210 R1 SHIM, .010" compressor wheel (x)	22	610 891 C91	WHEEL AND SHAFT, turbine
8	347 335 R1 RING, insert snap	23	625 721 C1	RING, nozzle (.236" gap)
9	347 345 R1 INSERT, flinger sleeve	24	347 205 R91	CLAMP, housing

(x) - As Required.

TURBOCHARGER

REF. NO.	PART NUMBER	DESCRIPTION
25	606 901 C1	HOUSING, turbine
26	347 221 R1	BACKPLATE, nozzle
27	457 505 R1	RING, backplate snap
	610 886 C91	CORE ASSY, turbocharger replaceable

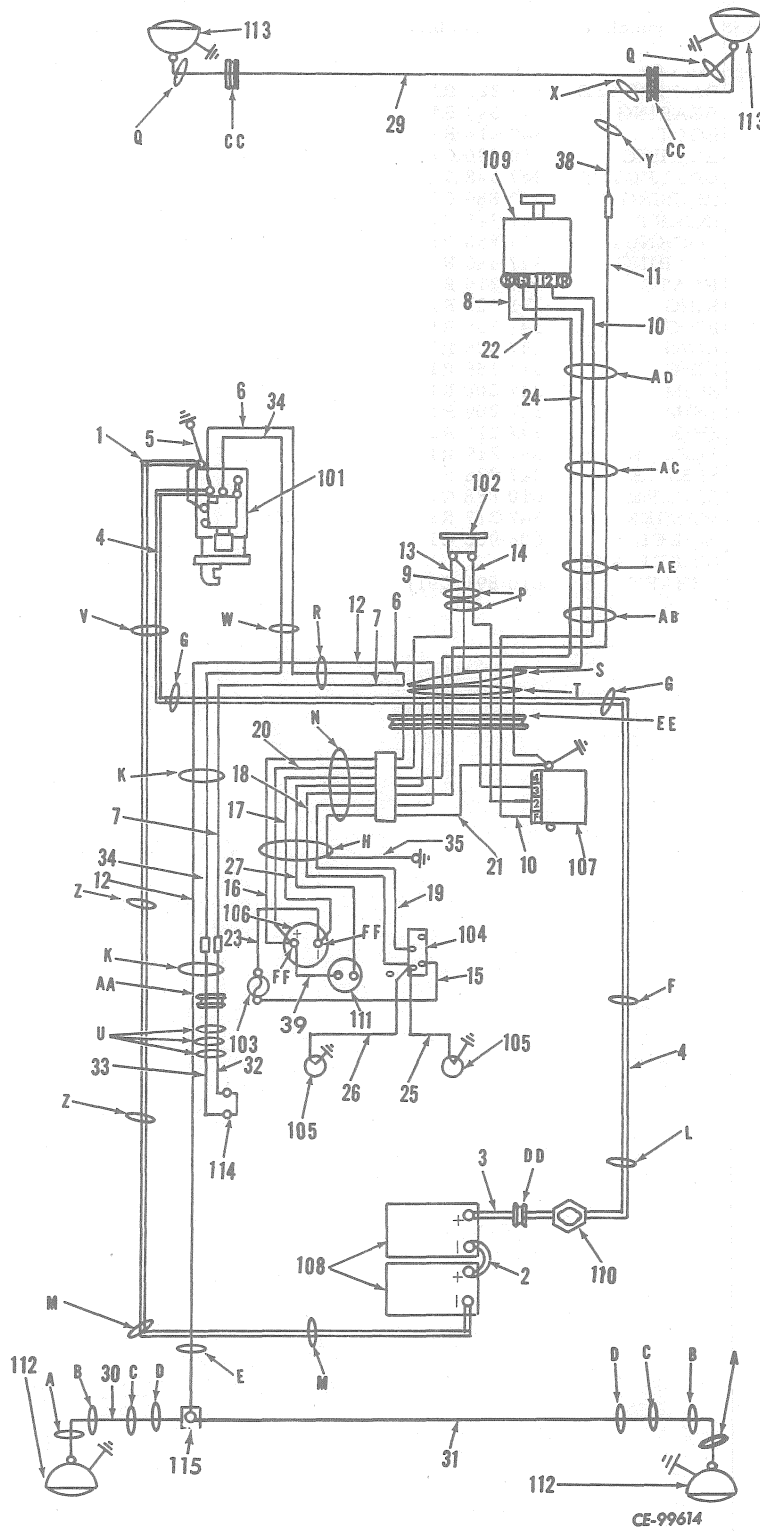
- (Composed of -
- 1 BACKPLATE 347 221 R1
 - 1 BEARING 347 349 R1
 - 3 BOLT 347 214 R1
 - 2 BUSHING 610 890 C1
 - 1 DEFLECTOR 347 348 R1
 - 1 HOUSING 610 889 C1
 - 1 INSERT 347 345 R1
 - 1 LOCKNUT 19 850 R1
 - 1 "O" RING 347 346 R1
 - 3 PLATE 347 215 R1
 - 4 RING 321 985 R1
 - 1 RING 347 335 R1
 - 1 RING 457 505 R1
 - 4 RING 313 156 R1
 - x SHIM 347 208 R1
 - x SHIM 347 209 R1
 - x SHIM 347 210 R1
 - 1 SLEEVE 347 219 R1
 - 1 SLEEVE 347 226 R1
 - 1 SLEEVE 610 888 C1
 - 2 WASHER 347 217 R1
 - 1 WHEEL 606 906 C1
 - 1 WHEEL AND SHAFT 610 891 C91)

(x) - As Required.

ELECTRICAL SYSTEM

ELECTRIC STARTING AND LIGHTING
(For Manual Shift Custom)

ELECTRIC STARTING AND LIGHTING
(For Manual Shift Custom)



ELECTRICAL SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - Continued (For Manual Shift Custom)			ELECTRIC STARTING AND LIGHTING - Continued (For Manual Shift Custom)		
CABLES			CABLES - Continued		
1	703 055 C1	CABLE, negative terminal (-) on battery to cranking motor frame	22		CABLE, number 1 terminal on alternator to dummy (part of dash HARNESS)
2	338 220 R91	CABLE, battery to battery	23		CABLE, fuse housing to negative (-) terminal on ammeter (orange) (part of instrument HARNESS)
3	345 583 R91	CABLE, positive (+) terminal on battery to master switch	24		CABLE, ground terminal on alternator to regulator mounting bolt (part of dash HARNESS)
4	345 582 R91	CABLE, master switch to "B" terminal on solenoid	25		CABLE, "H" terminal on light switch to right hand instrument panel light (part of instrument HARNESS)
5	297 909 R92 17 433 R1 138 549	CABLE, cranking motor frame terminal to ground on front frame SCREW, 1/2 x 1" hex-hd cap WASHER, 1/2 INT-tooth lock	26		CABLE, "H" terminal on light switch to left hand instrument panel light (part of instrument HARNESS)
6		CABLE, dash connector to "B" terminal on solenoid (red) (part of dash HARNESS)	27	624 646 C1	CABLE, starting switch to dash connector
7		CABLE, dash connector to starting switch (white) (part of dash HARNESS)	29	358 111 R92	CABLE, LH & RH front lamp (*)
8		CABLE, dash connector to "B" terminal on alternator (brown) (part of dash HARNESS)	30	62 862 D	CABLE, rear light function block to left hand rear light (*)
9		CABLE, number 3 terminal on regulator to engine oil pressure switch (orange) (part of dash HARNESS)	31	358 566 R91	CABLE, rear light function block to right hand rear light (part of RH auxiliary rear light attachment)
10		CABLE, number 2 terminal on alternator to "F" terminal on regulator (light green) (part of dash HARNESS)	32		CABLE, safety starting switch connector to safety starting switch (part of control tower HARNESS)
11		CABLE, dash connector to headlight connector (dark green) (part of dash HARNESS)	33		CABLE, safety starting switch connector to safety starting switch (part of control tower HARNESS)
12		CABLE, dash connector to rear light function block (dark blue) (part of dash HARNESS)	34		CABLE, "S" terminal on solenoid to safety starting switch connector (gray) (part of dash HARNESS)
13		CABLE, dash connector to engine oil pressure switch (yellow) (part of dash HARNESS)	35		CABLE, dash connector to ground screw on instrument panel (part of instrument HARNESS)
14		CABLE, number 2 terminal on regulator to engine oil pressure switch (light blue) (part of dash HARNESS)	38	650 671 C1	CABLE, headlight connector to right hand headlight (*)
15		CABLE, fuse housing to "B" terminal on light switch (orange) (part of instrument HARNESS)	39	50 818 D	CABLE, starting switch to positive (+) terminal on ammeter
16		CABLE, positive (+) terminal on ammeter to dash connector (red) (part of instrument HARNESS)	MAIN COMPONENTS		
17		CABLE, negative (-) terminal on ammeter to dash connector (brown) (part of instrument HARNESS)	101		MOTOR, cranking (for components see list of parts under details of "cranking MOTOR")
18		CABLE, "H" terminal on light switch to dash connector (dark green) (part of instrument HARNESS)	102		SWITCH, engine oil pressure (listed with instruments, panel and panel housing)
19		CABLE, "R" terminal on light switch to dash connector (dark blue) (part of instrument HARNESS)	103	376 852 R91 120 151	HOUSING, fuse FUSE, lighting switch (15 amp)
20		CABLE, positive (+) terminal on ammeter to dash connector (yellow) (part of instrument HARNESS)	104	606 298 C91 131 718 606 299 C91	SWITCH, lighting WASHER, 7/16" int tooth lock KNOB, lighting switch
21		CABLE, dash connector to regulator mounting bolt (part of dash HARNESS)	105		LIGHT, instrument panel (order package 603 467 C91) (listed with instruments, panel and panel housing)

(* - Part of ATTACHMENT 624 774 C91

ELECTRICAL SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - Continued (For Manual Shift Custom)			ELECTRIC STARTING AND LIGHTING - Continued (For Manual Shift Custom)		
MAIN COMPONENTS - Continued			CLIPS & CLAMPS - Continued		
106		AMMETER (listed with instruments, panel and panel housing)	N		CLIP, welded on upper LH of dash (not furnished separately)
107		REGULATOR ASSY, voltage (24 volt) (for components see list of parts under details of "Voltage Regulator")	P		CLIP, welded on upper right hand of dash
108		BATTERY, dry charged (12 volt) (Prestolite 4912DX) (2)	Q	263 717 R91	CLIP, on lamp swivel bolt (*)
109		ALTERNATOR ASSY (24 volts) (for components see list of parts under details of "alternator")	R		CLIP, welded on bottom center of dash (not furnished separately)
110		SWITCH, master (for components see list of parts under details of "Master Switch")	S	363 444 R1 179 833 103 321	CLIP, on tapped block on dash SCREW, 3/8 x 1/2" hex-hd cap WASHER, 3/8" lock
111		SWITCH, starting (for components see list of parts under details of "Starting Switch")	T		CLIP, welded on center of dash (not furnished separately)
112		LIGHT ASSY, rear light (for components see list of parts under details of "Headlight and Rear Light") (*)	U		CLIP, welded inside control tower Hsg Assy (not furnished separately)
113		LIGHT ASSY, headlight (for components see list of parts under details of "Headlights and Rear Lights") (*) (2)	V	370 820 R1	CLIP, on top flange of power take-off housing left hand rear bolt
114	621 771 C91	SWITCH, safety starting	W	628 099 C1	CLIP, on top flange of power take-off LH rear bolt
115	42 915 D 132 923 354 260 R1 106 497 103 088	BLOCK, rear light function (mount on LH seat side sheet) SCREW, #10NF x 1" set rd-hd machine SPACER, junction block WASHER, #10 lock NUT, #10NF	X	366 460 R1	CLIP, on top RH rear bolt of radiator upper tank flange
		CLIPS & CLAMPS	Y	366 460 R1	CLIP, on upper RH finger guard mtg bolt
A	263 514 R91	CLIP, on the rear inner bolt of the light bracket (*)	Z	308 581 R1 26 241 H 103 321 103 341	CLIP, on front and rear fuel lines clamp mtg bolt (2) SPACER, 3/8" clip (2) WASHER, 3/8" lock (2) WASHER, 13/32" flat (2)
B		CLIP, (welded on front of fuel tank) (not furnished separately)	AB	604 388 C91	CLIP, on front rear inner bolts of air cleaner brkt
C	362 120 R1	CLIP, on top rear bolt of side sheet (2)	AC	362 122 R1	CLIP, on top inner bolt of injection lines clamp LH bank towards outside
D	362 120 R1	CLIP, on bottom rear bolt of side sheet (2)	AD	362 122 R1	CLIP, on bottom RH rear bolt compressor cover plate on crankcase front cover
E	263 717 R91	CLIP, on LH bolt of battery box support channel	AE	604 388 C91 181 376 103 321 103 026	CLIP, on front inner bolt of air cleaner between the bracket and the brace SCREW, 3/8 x 1-5/8" hex-hd cap WASHER, 3/8" lock NUT, 3/8"
F	616 282 C1	CLIP, on bottom bolt of brake pedal bracket	GROMMETS & MISCELLANEOUS		
G	604 388 C91	CLIP, on right hand and left hand upper bolts on clutch housing and flange	AA	325 453 R2	GROMMET, on LH side of front frame
H	299 410 C1	CLIP, on right hand bolt of water temperature gauge	CC	338 065 R1	GROMMET, on radiator guard top plate (*) (2)
K	362 120 R1	CLIP, on bolt securing fuel lines clamp to left hand fender front and rear (2)	DD	112 745	GROMMET, on RH seat side sheet
L	267 787 R91	CLIP, on right hand bottom bolt of seat frame support cross bar	EE	176 027 H1	GROMMET, on upper LH side of dash
M		CLIP, welded on front side of fuel tank (not furnished separately)	FF	604 872 C91	GROMMET, insulator on (+) and (-) terminal of ammeter (2)

(*) - Part of ATTACHMENT 624 774 C91

ELECTRICAL SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION
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ELECTRIC STARTING AND LIGHTING - Continued
 (For Manual Shift Custom)

HARNESS

628 098 C1	HARNESS, dash (consists of reference numbers 6 thru 14, 21, 22, 24 and 34)
121 743	NUT, #12
121 744	WASHER, #12 lock
120 217	WASHER, #10 lock
624 644 C1	HARNESS, instrument (consists of reference numbers 15, 16, 17, 18, 19, 20, 23, 25, 26 and 35)
436 590	SCREW, #10 x 3/4"
106 497	WASHER, #10 lock
173 122	WASHER, #10 int & ext tooth (2)
103 088	NUT, #10 (2)
650 163 C1	HARNESS, control tower (consists of reference numbers 32 and 33)
624 774 C91	ATTACHMENT, electric lighting (for machines not equipped w/canopy front sweeper) (See NOTES 1 and 3) (Composed of -
1	CABLE 358 111 R92
1	CABLE 624 666 C1
1	CABLE 62 862 D
1	CLIP 263 514 R91
2	CLIP 263 717 R91
2	GUARD 624 359 C1
1	GUARD 330 714 R11
2	GROMMET 338 065 R1
3	LIGHT 338 814 R91
2	SWIVEL 303 706 R1)

(*) - Part of ATTACHMENT 624 774 C91

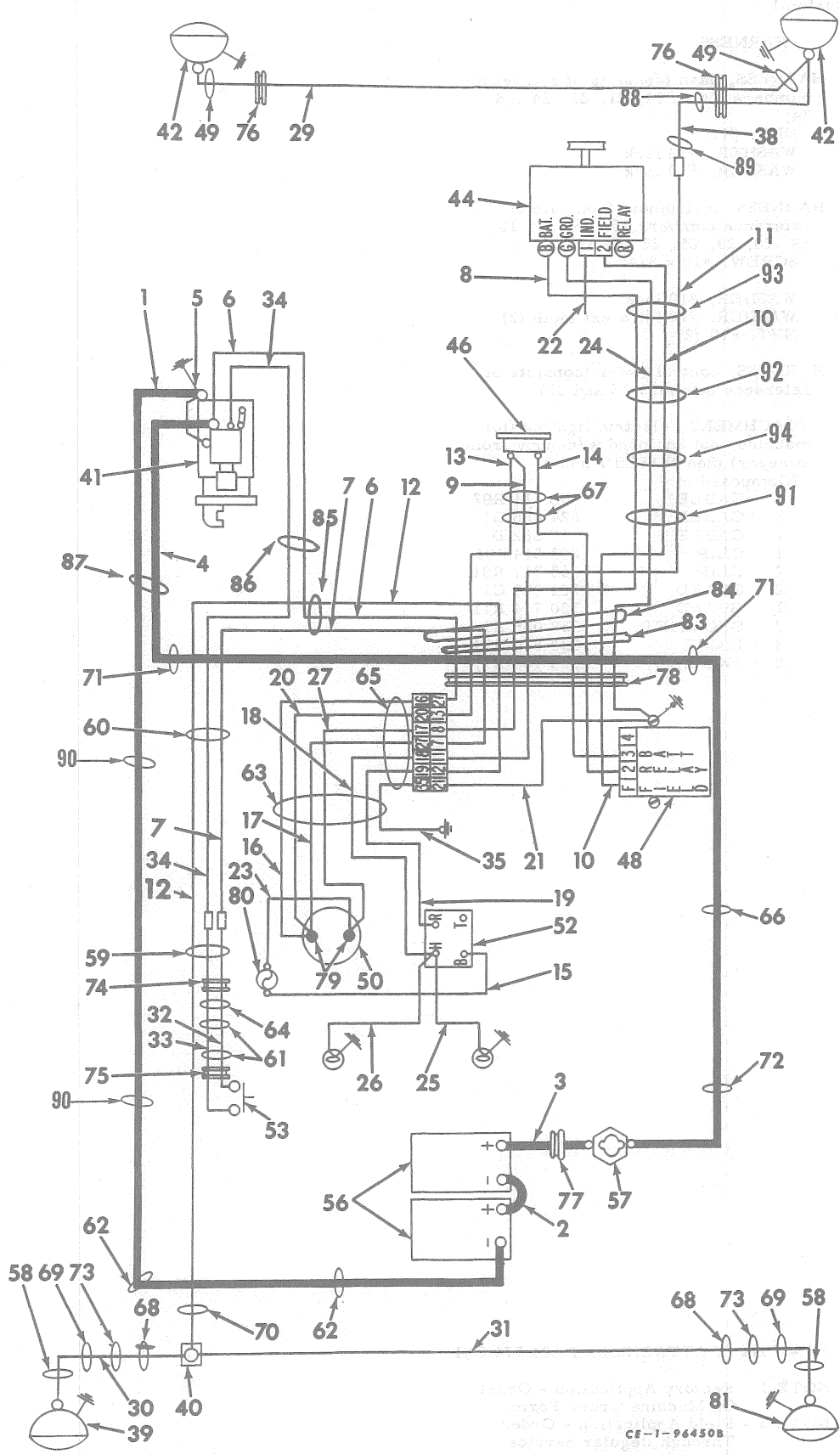
NOTE 1 - Factory Application - Order On Machine Order Form.

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

ELECTRICAL SYSTEM

ELECTRIC STARTING AND LIGHTING
(Power Shift and Sideboom)

ELECTRIC STARTING AND LIGHTING - Continued
(Power Shift and Sideboom)



ELECTRICAL SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - Continued (Power Shift and Sideboom)			ELECTRIC STARTING AND LIGHTING - Continued (Power Shift and Sideboom)		
1	703 055 C1	STRAP, negative terminal on battery to cranking motor frame	23		CABLE, negative (-) terminal on ammeter to fuse housing (orange) (order HARNESS 624 644 C1)
2	338 220 R91	CABLE, battery to battery (short)	24		CABLE, ground terminal on alternator to regulator mounting bolt (order HARNESS 628 098 C1)
3	345 583 R91	CABLE, battery to master switch	25	327 117 R91	CABLE, "H" terminal light switch to RH instrument panel light
4	345 582 R91	CABLE, master switch to "B" terminal on solenoid	26	327 117 R91	CABLE, "H" terminal light switch to LH instrument panel light
5	297 909 R92	CABLE, cranking motor frame to ground screw on front frame, LH side	27	624 646 C1	CABLE, positive (+) terminal on Ammeter to DASH CONNECTOR
	17 433 R1	BOLT, 1/2 x 1" 1/2" lock WASHER	29	358 111 R92	CABLE, LH and RH front light (*)
6		CABLE, terminal strip to "B" terminal on solenoid (red) (order HARNESS 628 098 C1)	30	62 862 D	CABLE, rear light junction block to rear light (*)
7		CABLE, terminal strip to "S" terminal on solenoid (white) (order HARNESS 628 098 C1)	31	358 566 R91	CABLE, rear lamp junction block to RH rear lamp start switch to connector
8		CABLE, terminal strip to "B" terminal on alternator (order HARNESS 628 098 C1)	32		CABLE, starting switch to connector start switch (order HARNESS 650 163 C1)
9		CABLE, No. 3 terminal on regulator to engine oil pressure switch (orange) (order HARNESS 628 098 C1)	33		CABLE, starting switch to connector start switch (order HARNESS 650 163 C1)
10		CABLE, No. 2 terminal on alternator to terminal on regulator (green) (order HARNESS 628 098 C1)	34		CABLE, starting terminal strip on solenoid to start switch connector (gray) (order HARNESS 628 098 C1)
11		CABLE, dash connector to front lamp connector (green) (order HARNESS 628 098 C1)	35		CABLE, instrument panel grounding (order HARNESS 624 644 C1)
12		CABLE, dash connector to rear light connector block (blue) (order HARNESS 628 098 C1)		436 590	No. 10 x 3/4" hex-hd cap SCREW
13		CABLE, dash connector to engine oil pressure switch (yellow) (order HARNESS 628 098 C1)		103 088	No. 10 NUT (2)
14		CABLE, No. 2 terminal on regulator to engine oil pressure switch (blue) (order HARNESS 628 098 C1)		106 497	No. 10 lock WASHER
15		CABLE, fuse housing to B terminal on light switch (orange) (order HARNESS 624 644 C1)		173 122	No. 10 internal external tooth lock WASHER (2)
16		CABLE, (+) terminal on ammeter to dash (red) (order HARNESS 624 644 C1)	38	650 671 C1	CABLE, front lamp connector to RH front lamp (*)
17		CABLE, terminal strip to negative (-) terminal on ammeter (brown) (order HARNESS 624 644 C1)	39		LIGHT ASSY, rear light (for components see list of parts under details of "Headlight and Rear Light" (*))
18		CABLE, "H" terminal strip to light switch (front light) (green) (order HARNESS 624 644 C1)	40	42 915 D	BLOCK, rear light junction (mount on LH seat side sheet)
19		CABLE, "R" terminal strip to light switch (rear light) (blue) (order HARNESS 624 644 C1)		354 260 R1	SPACER, junction block
20		CABLE, (+) terminal strip to dash connector (yellow) (order HARNESS 624 644 C1)		103 088	No. 10NF NUT
21		CABLE, dash connector to regulator bolt (order HARNESS 628 098 C1)		132 923	No. 10NF x 1" slt-rd-hd mach SCREW
22		CABLE, No. 1 terminal on alternator to dummy cable (order HARNESS 628 098 C1)		106 497	No. 10 lock WASHER
			41		MOTOR, cranking (for components see list of parts under details of "Cranking Motor")
				271 558	5/8 x 1-1/2" hex-hd cap SCREW (3)
			42		LIGHT ASSY, headlight (for components see list of parts under details of "Headlights and Rear Lights" (2) (*))
			44		ALTERNATOR ASSY (24 volt) (for components see list of parts under details of "Alternator")
			46	132 244 R91	SWITCH, engine oil pressure
					(*) - Part of ATTACHMENT 624 774 C91

ELECTRICAL SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - Continued (Power Shift and Sideboom)			ELECTRIC STARTING AND LIGHTING - Continued (Power Shift and Sideboom)		
48		REGULATOR ASSY, voltage (24 volt) (for components see list of parts under details of "Voltage Regulator")	72	267 787 R91	CLIP, master switch to cranking motor cable (on RH bottom bolt of seat frame support cross bar)
	179 798 120 380	1/4 x 1-1/8" hex-hd cap SCREW (4) 1/4" lock WASHER (4)	73	362 120 R1	CLIP, cable (on bottom rear bolt of LH seat side sheet) (2)
	263 717 R91	CLIP, front lamp cable (mount on lamp swivel bolt) (2)	74	325 453 R2	GROMMET, starting safety switch harness (on LH side of front frame)
50	702 284 C1	AMMETER (also listed with "Instruments and Instrument panel")	75	617 259 C1	GROMMET (on safety switch lock cam bracket)
52	606 298 C91 131 718 606 299 C91	SWITCH, lighting 7/16" internal-tooth lock WASHER KNOB, lighting switch	76	338 065 R1	GROMMET (on side of radiator guard) (*) (2)
53		SWITCH, starting safety (For com- ponents see list of parts under details of STARTING SWITCH)	77	112 745	GROMMET (on RH seat side sheet)
54		LIGHT, LH instrument panel (order PACKAGE 603 467 C91)	78	176 027 H1	GROMMET (on upper LH side of dash)
55		LIGHT, RH instrument panel (order PACKAGE 603 467 C91)	79	604 872 C91	GROMMET, insulator on (+) and (-) terminal of ammeter (2)
56		BATTERY, dry charged (12 volt) (Prestolite 9412X) (2)	80	120 151 376 852 R91	FUSE, lighting switch (15 Amp) HOUSING, fuse
57		SWITCH, master (for components see list of parts under details of "Master Switch")	81		LIGHT, auxiliary rear flood (for com- ponents see list of parts under de- tails of "Headlight and Rear Lights") (part of ATTACHMENT 604 048 C91)
	109 084 179 795 103 319	1/4" NUT 1/4 x 3/4" hex-hd cap SCREW 1/4" lock WASHER	83		CLIP, (welded) (Not Furnished Separately)
58	263 514 R91	CLIP, light cable (mount on light bracket bolt) (*) (2)	84	363 444 R1	CLIP, on tapped block on dash
59	263 717 R91	CLIP, starting switch upper cables (on LH rear bolt of seat frame support cross bar)	85		CLIP, (welded) (Not Furnished Separately)
60	362 120 R1	CLIP, starting switch lower cable (on bolt securing fuel lines clamp to LH fender)	86		CLIP, on top flange of P. T. O. housing LH rear bolt (Part No. Not Yet Avail- able)
61		CLIP (Welded) (Not furnished separately)	87	370 820 R1	CLIP, on top flange P. T. O. housing LH rear bolt
62		CLIP (Welded) (Not furnished separately)	88	366 460 R1	CLIP, front lamp cable (top RH rear bolt of radiator upper tank flange)
63	299 410 R1	CLIP (on RH bolt of water temperature gauge) (push rod rear cover)	89	366 460 R1	CLIP, front lamp cable (upper RH finger guard mounting bolt)
64	604 388 C1	CLIP (between service cover and housing assembly of gear selector lower rear bolt)	90	308 581 R1 26 241 H 103 321 103 341	CLIP, on front and rear fuel lines mounting bolt (20) SPACER, clip 3/8" lock WASHER 13/32 x 13/16 x 16ga. WASHER
65		CLIP (welded on upper LH of dash) (Not furnished separately)	91	604 388 C91	CLIP, dash harness, on front inner bolts of air cleaner bracket
66	616 282 C1	CLIP, master switch to cranking motor cable (on bottom bolt of brake pedal bracket)	92	362 122 R1	CLIP, dash harness, on top inner bolt of injection lines clamp
67		CLIP (welded) (Not furnished separately)	93	362 122 R1	CLIP, dash harness, on bottom RH bolt of compressor cover plate on crankcase front cover
68	362 120 R1	CLIP, rear light cable (on bottom bolt of seat side sheet) (2)	94	604 388 C91	CLIP, dash harness, on front inner bolt of air cleaner, between the bracket and brace
69	362 120 R1	CLIP, rear light cable (on top inner bolt of fuel tank) (2)		650 163 C1	HARNESS, control tower (Consists of Ref. Nos. 32 and 33)
70	263 717 R91	CLIP, terminal strip to rear light junction block cable (on LH bolt of battery box support channel) (*)		628 098 C1	HARNESS, dash (Consists of Ref. Nos. 6, 7, 8, 9, 10, 11, 12, 13, 14, 21, 22, 24 and 34)
71	604 388 C91	CLIP, master switch to cranking motor cable (on LH and RH upper bolts of torque converter housing and gear se- lector housing) (2)		624 644 C1	HARNESS, instrument panel (Consists of Ref. Nos. 15, 16, 17, 18, 19, 20, 23 and 35)
					(*) - Part of ATTACHMENT, 624 774 C91)

ELECTRICAL SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - Continued (Power Shift and Sideboom)		
603 467 C91		PACKAGE, panel light field service (less bulbs) (consists of DASH LIGHT, WASHER 273 405 R1 and GROMMET 273 406 R1) (x)
193 093		BULB, instrument panel (24 volt)
104 937		CORK, No. 1 (rear lamp mounting bracket bolt holes) (8)
650 142 C1		TUBE, main harness protector (order two CLIP 604 388 C91 and two CLIP 362 122 R1)
624 774 C91		ATTACHMENT, electric lighting (for machines not equipped w/canopy front sweep) (See NOTES 1 and 3) (Composed of - 1 CABLE 358 111 R92 1 CABLE 650 671 C1 1 CABLE 62 862 D 1 CLIP 263 514 R91 2 CLIP 263 717 R91 2 GUARD 624 359 C1 1 GUARD 330 714 R11 2 GROMMET 338 065 R1 3 LIGHT 338 814 R91 2 SWIVEL 303 706 R1)

(*) - Part of ATTACHMENT,
624 774 C91

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

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

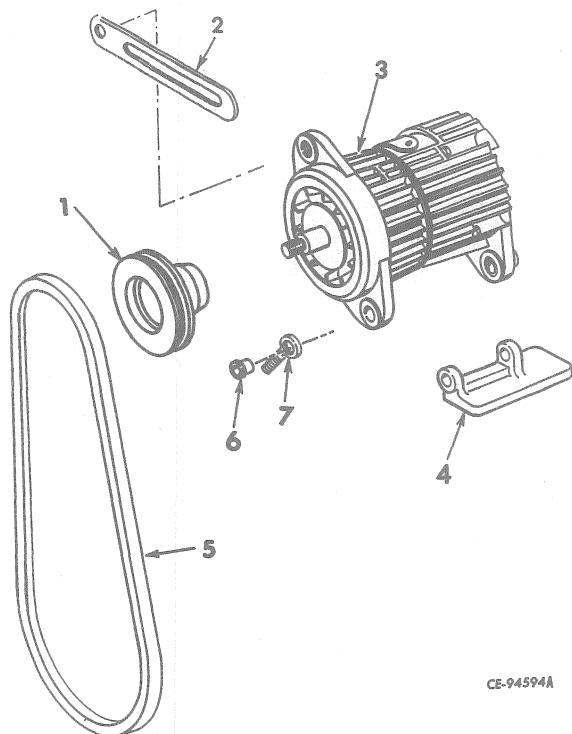
ELECTRICAL SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
VOLTAGE REGULATOR (Delco-Remy)			VOLTAGE REGULATOR - Continued (Delco-Remy)		
1	119 518 174 878	REGULATOR ASSY, voltage	3	1 958 148	SCREW, adjusting
	120 380	WASHER, 1/4" int & ext tooth lock (2)	4	1 958 137	SPRING, adjusting screw
	451 195	1/4" lock WASHER (2)	5	1 956 235	RESISTOR
		SCREW, 1/4" hex-hd cap (2) (Consists of the following parts -	6	1 960 347	RESISTOR
1	1 943 386	SCREW, cover attaching (2)			
2		COVER, regulator (Not furnished separately)	Always give VOLTAGE REGULATOR NUMBER when ordering parts.		

IPA-70307

ALTERNATOR, CRANKING MOTOR AND CONNECTIONS

ALTERNATOR, CRANKING MOTOR AND CONNECTIONS - Continued



CE-94594A

1	672 032 C1	PULLEY, alternator
2	671 985 C1	BRACE, alternator
	49 335 K	SPACER
	340 340 R1	1/2 x 1-1/2" hex-hd cap SCREW (type 8)
	103 323	1/2" lock WASHER (2)
3		ALTERNATOR ASSY (for components see list of parts under details of "alternator")
	364 257 R1	1/2 x 1-3/4" hex-hd cap SCREW (type 8)
	20 734 R1	1/2 x 2-1/2" hex-hd cap SCREW (type 8)
	103 323	1/2" lock WASHER (2)
	58 516 H	WASHER, flat
	103 343	17/32 x 1-1/16 x 13 ga. WASHER
4	671 984 C1	BRACKET, alternator
	103 322	7/16" lock WASHER (2)
	183 544 R1	WASHER (2)
	308 464 R1	7/16 x 1-3/8" hex-hd cap SCREW (type 8) (2)
5	671 982 C1	BELT, alternator
6	672 363 C1	BUSHING
7	672 362 C1	BOLT, idler adjuster eye
	304 573 R1	GASKET, cranking motor flange
		MOTOR, cranking (for components see list of parts under details of "Cranking Motor")
	484 667 R1	SCREW, hex-hd cap (3)
	103 325	5/8" lock WASHER (3)

MEMORANDUM

TO :

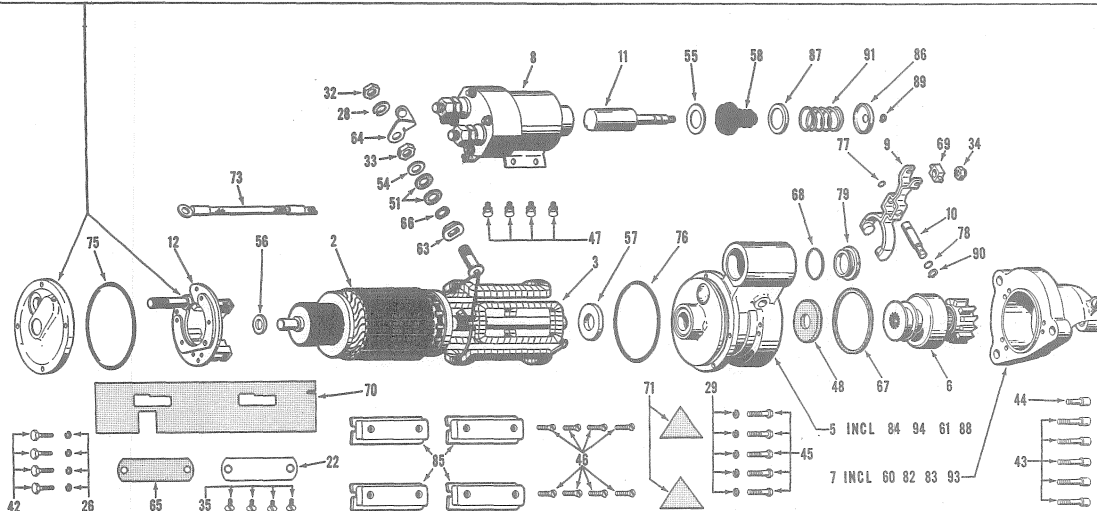
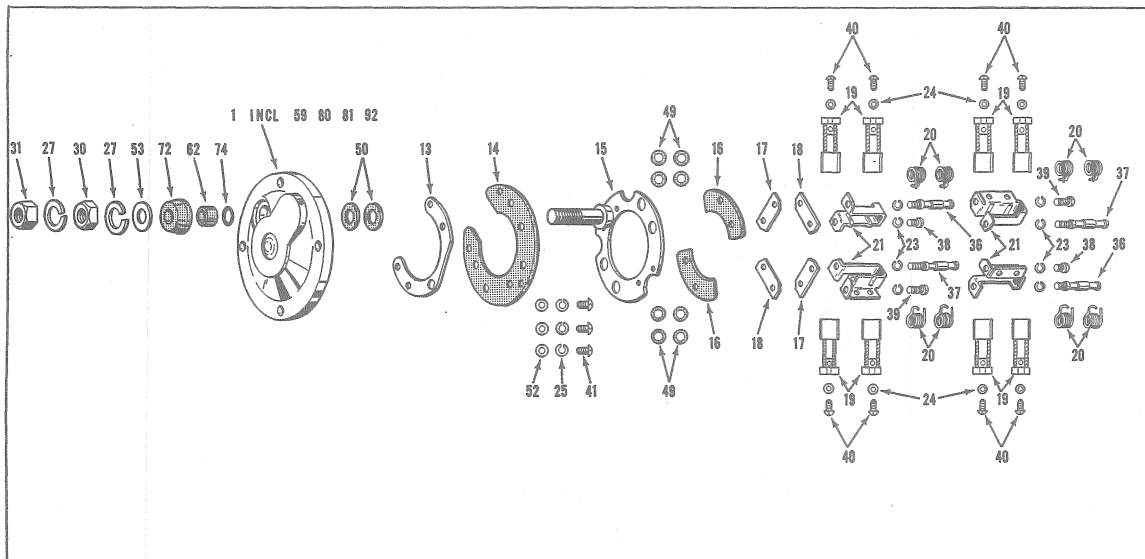
FROM :

SUBJECT :

DATE :

ELECTRICAL SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CRANKING MOTOR (Delco-Remy)			CRANKING MOTOR - Continued (Delco-Remy)		



CE-98178 B

1	113 900	MOTOR ASSY., cranking (Composed of - FRAME, commutator end (Composed of BUSHING, 38 273, PLUG, 453 465 PLUG, 103 893, and WICK, 1 916 439)	7	1 945 506	HOUSING ASSY, drive end (Composed of - 1 BUSHING 1 942 258 1 PLUG 453 465 1 PLUG 1 961 573 1 WICK 1 916 439)
2	1 945 500	ARMATURE	8		SWITCH ASSY, solenoid (For compo- nents see list of parts under details of "Solenoid Switch")
3	1 945 496	COIL, field (Four coils)	9	1 945 484	LEVER, shift
5	1 947 262	HOUSING, lever (Composed of - 1 BUSHING 1 923 484 1 PLUG 453 465 1 SEAL 1 918 047 1 WICK 1 916 439)	10	1 948 529	LEVER, shaft
6		DRIVE ASSY, motor (For components see list of parts under details of "Motor Drive")	11	1 948 522	PLUNGER

Always give CRANKING MOTOR
NUMBER when ordering parts.

ELECTRICAL SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CRANKING MOTOR - Continued (Delco-Remy)			CRANKING MOTOR - Continued (Delco-Remy)		
12	1 948 515	PLATE, less brushes	47	1 930 611	SCREW, w/lock WASHER, switch attaching (4)
13	1 874 847	PLATE, support	48	1 911 644	WASHER, brake between lever housing and drive housing
14	1 909 523	INSULATOR, brush plate	49	1 913 080	WASHER, brush holder screw (Insulator-bushing) (8)
15	1 945 518	PLATE w/STUD, brush	50		Not Used
16	1 965 093	INSULATOR, brush holder (2)	51	1 922 457	WASHER, field terminal stud insulator (2)
17	1 874 848	PLATE, space insulation holder (2)	52	1 913 086	WASHER, brush plate attaching screw (Plain) (3)
18	1 874 851	PLATE, space ground holder (2)	53	1 914 647	WASHER, commutator end stud (Plain)
19	1 906 986	BRUSH (8)	54	1 914 647	WASHER, field terminal stud
20	1 861 785	SPRING, brush (8)	55	1 948 519	WASHER, shaft lever return spring retainer
21	1 907 475	HOLDER, brush (4)	56	1 905 014	WASHER, space commutator end
22	1 945 478	PLATE, brush cover	57	1 936 466	WASHER, space-between armature and lever housing
23	453 435	LOCK WASHER, brush holder screw (8)	58	801 077	BOOT, plunger
24	453 844	LOCK WASHER, brush lead attaching screw (8)	62	1 946 765	BUSHING, insulator commutator end terminal stud (Order PACKAGE 1 851 632)
25	453 844	LOCK WASHER, brush plate assy. (3)	63		BUSHING, insulator field terminal stud (Order PACKAGE 1 965 472)
26	9 421 423	LOCK WASHER, commutator end frame attaching screw (4)	64	1 945 468	CONNECTOR, terminal to switch
27	9 421 427	LOCK WASHER, commutator end terminal stock	65	1 945 477	GASKET, brush cover plate
28	9 421 427	LOCK WASHER, field terminal stud	66		GASKET, insulator field terminal stud (Order PACKAGE 1 965 472)
29	9 421 423	LOCK WASHER, lever housing attaching screw (5)	67	1 945 476	GASKET, between lever and drive housing
30	120 238	NUT, commutator end terminal stud	68	1 964 857	GASKET, lever housing plug
31		Not Used	69		Not Used
32	120 238	NUT, field terminal stud	70	1 945 479	INSULATOR, field coil (Commutator end)
33	120 238	NUT, field terminal stud	71	1 914 873	INSULATOR, field coil (Drive End) (2)
34	9 412 305	NUT, plunger rod guide adjusting	72		Not Used
35	9 414 397	SCREW, brush cover plate attaching (4)	73		Not Used
36	1 904 982	SCREW, brush holder (Insulator brush-long) (2)	74		"O" RING, commutator end terminal stud (Order PACKAGE 1 851 632)
37	1 928 500	SCREW, brush holder (Ground brush-long) (2)	75	1 916 272	"O" RING, field frame seal C. E.
38	1 914 580	SCREW, brush holder (Ground brush-short) (2)	76		Not Used
39	1 968 656	SCREW, brush holder (Insulator brush-short) (2)	77	1 921 805	"O" RING, shaft lever (1/2" Diameter)
40	453 418	SCREW, brush lead attaching (8)	78	1 914 373	"O" RING, shift lever (15/16" Diameter)
41	1 847 807	SCREW, brush plate attaching (3)	79	1 945 356	PLUG, lever housing
42	1 914 869	SCREW, commutator frame attaching (4)	80	103 893	PLUG, expansion C. E.
43	1 948 536	SCREW, drive end attaching (4)			Always give CRANKING MOTOR NUMBER when ordering parts.
44	1 948 537	SCREW, drive end attaching (Short)			
45	1 914 869	SCREW, lever housing attaching (5)			
46	1 968 396	SCREW, pole shoe (8)			

ELECTRICAL SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION
CRANKING MOTOR - Continued (Delco-Remy)		
81	453 465	PLUG, pipe (Commutator end)
82	435 465	PLUG, pipe (Drive end housing) (11/32" diameter)
83	1 961 573	PLUG, pipe (Drive end housing) (1/4" diameter)
84	453 465	PLUG, pipe (Lever housing)
85	1 934 478	POLE SHOE (View notched end face down - longer lip on left)
86	1 948 526	RETAINER, shift lever spring (13/32" hole)
87	1 948 520	RETAINER, shift lever spring (1-13/16" hole)
88	1 918 047	SEAL, oil (Lever housing)
	1 950 561	STUD, terminal
89	9 415 235	RING, snap (Lever shaft retainer)
90	9 415 235	RING, snap (Shift lever return spring)
91	1 948 521	SPRING, shift lever return
92	1 916 439	WICK, oil (Commutator end)
93	1 916 439	WICK, oil (Drive housing)
94	1 916 439	WICK, oil (Lever housing)
	38 273	BUSHING, commutator end frame
	1 942 258	BUSHING, drive housing
	1 923 484	BUSHING, lever housing
	1 965 472	PACKAGE, insulator field terminal stud
	9 417 501	PLUG, expansion commutator end reservoir
	1 955 303	PLUG, felt - oil reservoir

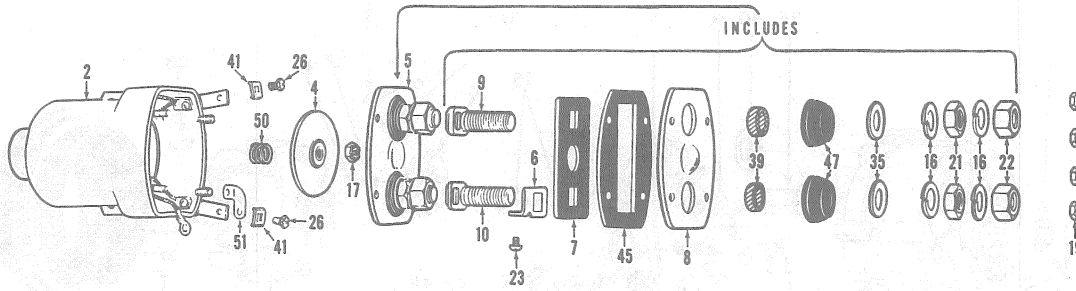
Always give CRANKING MOTOR
NUMBER when ordering parts.

ELECTRICAL SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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SOLENOID SWITCH

SOLENOID SWITCH - Continued

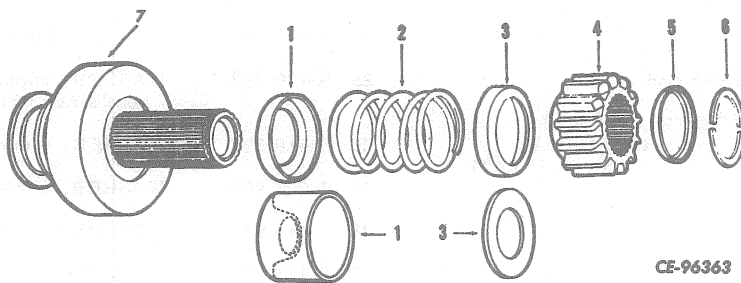


CE-96364

1	119 848	SWITCH ASSY, solenoid (Consists of the following parts -	19	1 948 656	NUT, terminal plate attaching
2	1 969 196	CASE and COIL	21	9 414 418	NUT, terminal
4	1 954 861	DISC contact	22	9 413 509	NUT, terminal
5	1 953 242	PLATE, terminal	23	1 840 633	SCREW, coil lead attaching
6	1 915 716	SUPPORT, lead	26	1 915 717	SCREW, terminal
7	1 931 673	INSULATOR	35	811 912	WASHER, plain terminal
8	1 948 659	PLATE, terminal	39	1 942 969	BUSHING, terminal stud insulator
9	1 953 244	STUD, bat terminal	41	1 915 718	CLAMP, terminal
10	1 906 049	STUD, motor terminal	45	1 950 111	GASKET, terminal plate
16	9 421 427	WASHER, lock terminal stud	47	1 944 841	INSULATOR, terminal stud
17	1 907 300	NUT, contact attaching	50	1 948 661	SPRING, contact return
			51	1 924 970	STRAP, ground

MOTOR DRIVE

MOTOR DRIVE - Continued



CE-96363

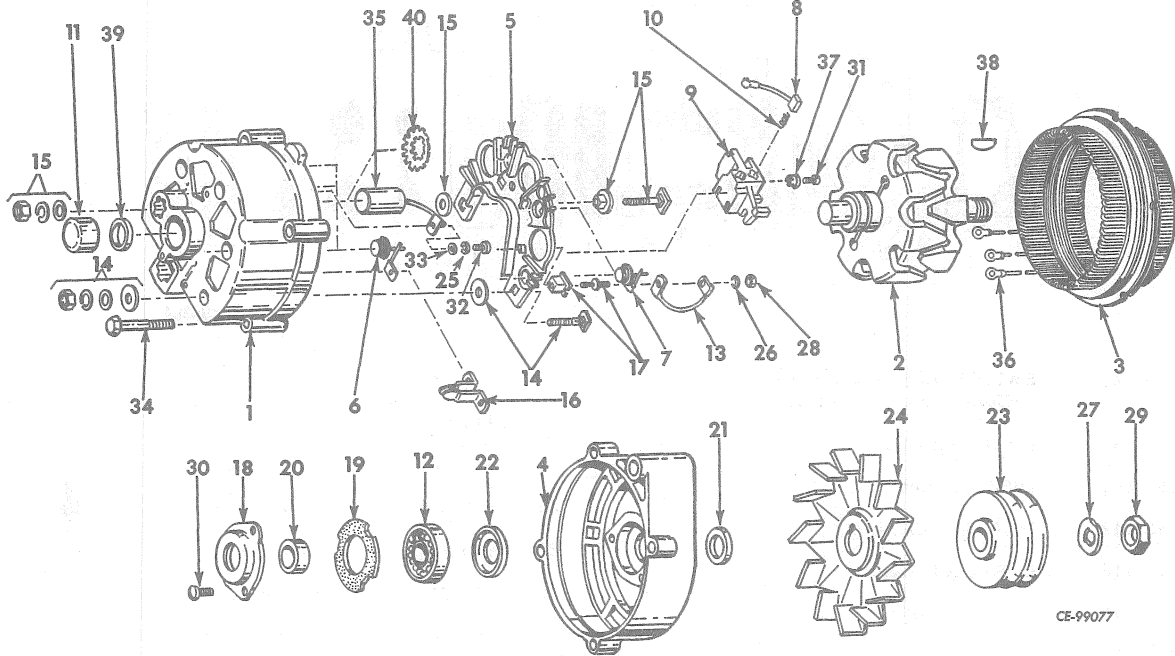
800 066	DRIVE ASSY, motor (Consists of the following parts -	5	1 945 490	CUP, pinion stop	
1	1 968 229	CUP, spring retainer	6	801 208	PACKAGE, split washer
2	800 065	SPRING, meshing	7		SHAFT and GEAR motor drive, (Not furnished separately)
3	1 968 225	CUP, spring retainer	812 410	BUSHING, shaft and gear motor drive	
4	800 146	PINION			

ELECTRICAL SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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ALTERNATOR
(Delco-Remy)

ALTERNATOR - Continued
(Delco-Remy)



ILLUSTRATIONS ARE OF TYPICAL PARTS ONLY

1	1 100 062	ALTERNATOR ASSY (Consists of the following parts -	17	1 959 834	PACKAGE, diode junction terminal
1	1 971 702	FRAME ASSY, slip ring end (Composed of -	18	1 961 867	PLATE, ball bearing retainer
		1 BEARING 7 451 782	19	1 955 663	GASKET, ball bearing retainer plate
		1 CAPACITOR 1 959 455	20	1 970 384	COLLAR, inside
		§ 1 FRAME	21	1 969 046	COLLAR, shaft (outside)
		1 DIODE 1 964 354	22		NOT USED
		1 SEAL 1 961 323	23		NOT USED
		1 SPRING 1 960 750)	24	1 969 069	FAN, alternator
2	1 971 260	ROTOR	25	9 419 392	WASHER, capacitor terminal and heat sink attaching screw lock
3	1 971 220	STATOR w/three CLIP, 1 959 532	26	9 419 392	WASHER, diode junction terminal lock
4	1 969 066	FRAME, drive end	27	1 905 406	WASHER, shaft nut
5	1 971 703	SINK w/PACKAGE, 1 959 834, DIODE, 1 964 353, WASHER, 9 419 392 and three NUT, 453 434, heat	28	453 434	NUT, diode junction terminal
6	1 964 354	DIODE, negative	29	9 418 881	NUT, shaft
7	1 964 353	DIODE, positive	30	1 965 104	SCREW, ball bearing retainer plate attaching
8		BRUSH (Order HOLDER 1 964 682)	31	1 957 501	SCREEN, brush holder attaching
9	1 964 682	HOLDER w/BRUSH and SPRING 1 964 117, brush.	32	1 916 336	SCREW, capacitor terminal and heat sink attaching
10	1 964 117	SPRING, brush	33		NOT USED
11	7 451 782	BEARING, slip ring end roller	34	1 956 975	BOLT, thru
12	907 940	BALL BEARING	35	1 959 455	CAPACITOR
13		NOT USED			
14	1 971 704	PACKAGE, battery terminal			
15	1 971 705	PACKAGE, relay terminal			
16		NOT USED			

§ - Not Furnished Separately

Always Give ALTERNATOR NUMBER when Ordering Parts.

ELECTRICAL SYSTEM

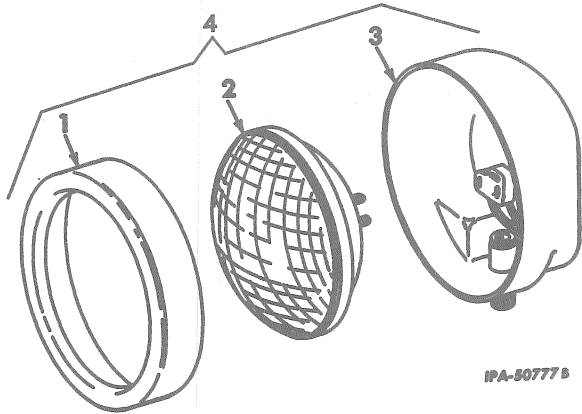
REF. NO.	PART NUMBER	DESCRIPTION
ALTERNATOR - Continued (Delco-Remy)		
36	1 846 548	CLIP, stator terminal (3)
37		NOT USED
38		NOT USED
39	1 961 323	SEAL, slip ring end roller bearing
40	1 960 750	SPRING, capacitor retaining
	1 969 073	CONNECTOR, trap (relay terminal to diode junction)
	1 969 062	BUSHING, slip ring end mounting
	1 969 055	DAMPENER, heat sink
	1 969 070	DUST SHIELD, drive end
	1 959 389	INSULATOR, capacitor terminal screw and heat sink
	1 969 052	INSULATOR, capacitor terminal and heat sink attaching screw
	455 160	PIN, dowel (slip ring end)
	1 955 664	PLATE, felt retainer (drive end)
	1 969 056	PLUG, slip ring end expansion
	274 937	SCREW, drive end shroud attaching
	132 900	SCREW, ground
	453 435	WASHER, lock (ground screw)
	1 970 722	SEAL, relay terminal
	1 969 042	SEAL, rotor shaft
	1 969 068	SHROUD, drive end
	1 970 139	TUBE, insulator regulator heat sink screw
	1 955 660	WASHER, felt (drive end)
	9 419 392	WASHER, spring brush holder attaching screw

Always Give ALTERNATOR NUMBER
when Ordering Parts.

ELECTRICAL SYSTEM

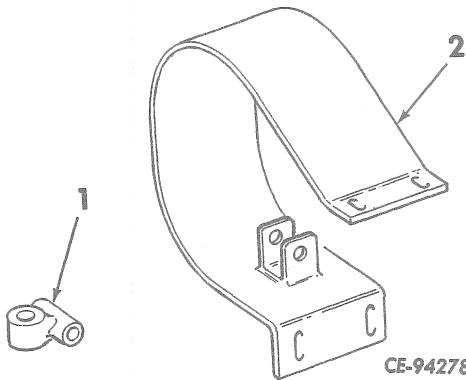
REF. NO.	PART NUMBER	DESCRIPTION
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HEADLIGHT, REAR LIGHT AND RH AUXILIARY REAR LIGHT (Hobbs)



1	313 957 R1	RETAINER, light (4)
2	273 560	UNIT, sealed (4)
3		SHELL (Not Furnished Separately) (4)
4	327 189 R91	HEADLIGHT, REAR LIGHT AND RH AUXILIARY REAR LIGHT ASSY part of ATTACHMENT 624 774 C91 and ATTACHMENT 604 048 C92 (optional with 338 814 R91) (4)
	600 658 C1	WASHER, lower lamp mounting (4)
	446 229	WASHER, upper lamp mounting (4)
	120 384	1/2NF NUT (4)
	120 371	1/2" lock WASHER (4)

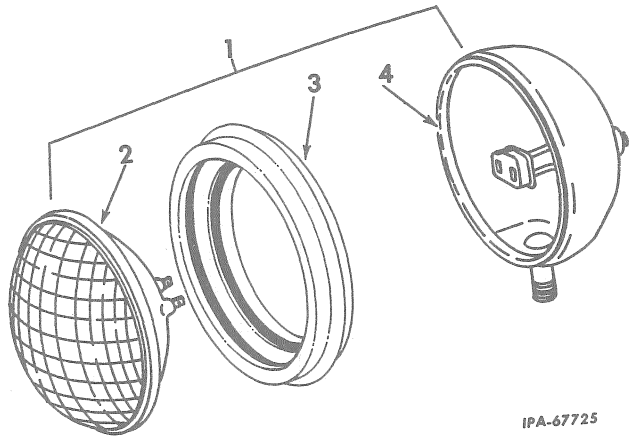
HEADLIGHT BRUSH GUARD AND SWIVEL



1	303 706 R1	SWIVEL, front lamp (part of ATTACHMENT 624 774 C91) (2)
	181 709	1/2 x 2-1/2" hex-hd cap SCREW (2)
	120 384	1/2" lock WASHER (2)
	120 371	1/2" NUT (2)
2	624 359 C1	GUARD, front lamp brush (part of ATTACHMENT 624 774 C91) (2)
	179 858	7/16 x 1" hex-hd cap SCREW (8)
	103 322	7/16" lock WASHER (8)
	103 342	WASHER, 15/32 x 59/64 x 16 ga (8)

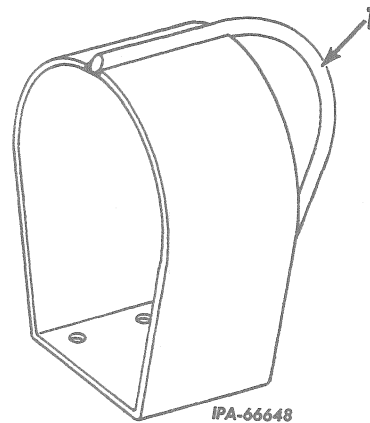
REF. NO.	PART NUMBER	DESCRIPTION
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HEADLIGHT, REAR LIGHT AND RH AUXILIARY REAR LIGHT (Guide Lamp)



1	338 814 R91	HEADLIGHT, REAR LIGHT AND RH AUXILIARY REAR LIGHT ASSY part of ATTACHMENT 624 774 C91 and ATTACHMENT 604 048 C92 (optional with 327 189 R91) (4)
	120 384	1/2NF NUT (4)
	120 371	1/2" lock WASHER (4)
	446 229	WASHER, upper lamp mounting (4)
	600 658	WASHER, lower lamp mounting (4)
2	273 560	UNIT, sealed (4)
3	338 896 R1	RETAINER, light (4)
4		SHELL (Not Furnished Separately) (4)

REAR LIGHT BRUSH GUARD

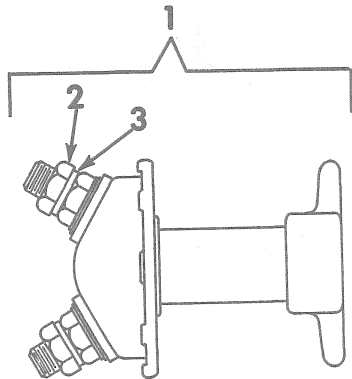


1	330 714 R11	GUARD, rear light brush (part of ATTACHMENT 624 774 C91)
	179 860	7/16 x 1-1/4" hex-hd cap SCREW (4)
	103 322	7/16" lock WASHER (4)
	271 500	7/16" NUT (4)

ELECTRICAL SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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MASTER SWITCH
(Delco-Remy)



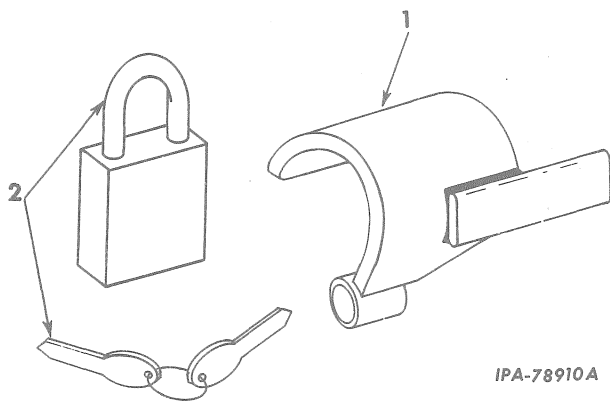
CE-99944

1	1 996 496	SWITCH ASSY, master			
	109 084	1/4" NUT (2)			
	179 795	1/4 x 3/4" hex-hd cap SCREW (2)	(2)		
	103 319	1/4" lock WASHER (2)			
2	453 787	NUT, terminal (2)			
3	9 421 425	WASHER, terminal nut lock (2)			

R.H. AUXILIARY REAR LIGHT

604 048 C91	ATTACHMENT, RH rear auxiliary light (not used on units equipped with 260 double drum cable control units) (see NOTES 1 and 3) (Consists of the following parts -
331 145 R91	BRACKET, auxiliary rear light (listed and illustrated with "Rear Light Bracket")
358 566 R91	CABLE, rear light junction block to RH rear auxiliary light (listed and illustrated with "Electric Starting and Lighting")
263 514 R91	CLIP, cable (on front inner bolt of rear light bracket (listed and illustrated with "Electric Starting and Lighting")
362 120 R1	CLIP, cable (on top inner bolt on RH of front of fuel tank) (listed and illustrated with "Electric Starting and Lighting")
338 814 R91	LIGHT, auxiliary rear (listed and illustrated with "Headlight, Rear Light and RH Auxiliary Rear Light")
330 717 R1	WASHER, upper light mounting
330 718 R1	WASHER, lower light mounting

MASTER SWITCH LOCK, AND PADLOCK WITH KEYS



IPA-78910A

1	314 751 R31	LOCK, master switch			
	109 084	1/4" NUT			
	179 800	1/4 x 1-3/8" hex-hd cap SCREW			
	103 319	1/4" lock WASHER			
	147 577	1/4" flat WASHER (2)			
	314 753 R1	SPACER, master switch lock			
	16 558 R1	WASHER, master switch lock flat			
2	650 382 C91	PAD LOCK w/KEYS			

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

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

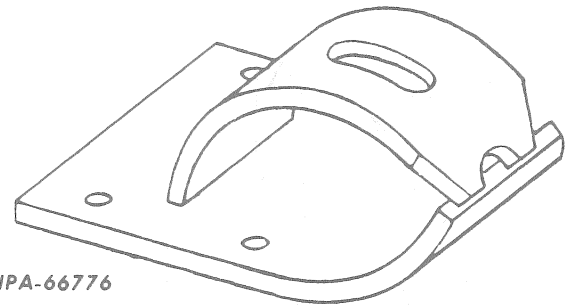
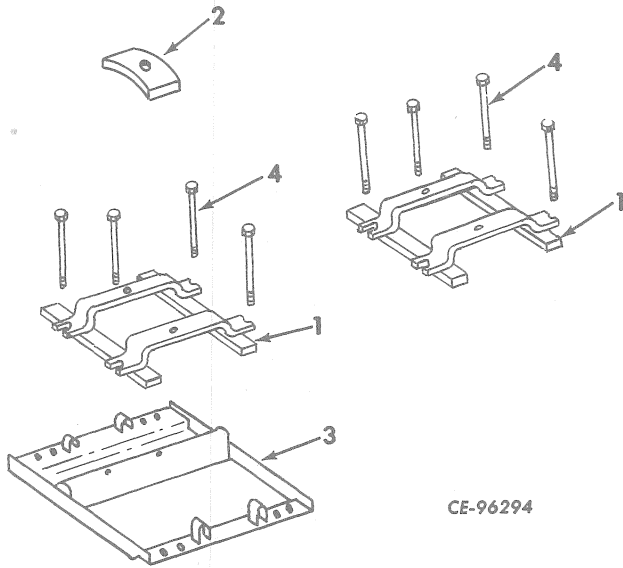
ELECTRICAL SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION
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REF. NO.	PART NUMBER	DESCRIPTION
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BATTERY BOX, SUPPORT AND RELATED PARTS

REAR LIGHT BRACKET

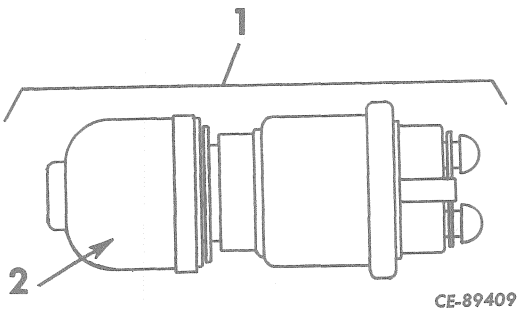


IPA-66776

- 331 145 R91 BRACKET, rear light (not used with rear light brush guard) (part of ATTACHMENT 604 048 C91)
- 179 857 7/16 x 7/8" hex-hd cap SCREW (4)
- 103 322 7/16" lock WASHER (4)

- 1 624 639 C1 FRAME, battery hold down (2)
- 2 609 645 C1 PLATE, battery hold down (2)
- 3 650 280 C1 SUPPORT, battery
 - 103 321 3/8" lock WASHER
 - 103 341 13/32 x 13/16" x 16 ga. WASHER
 - 179 839 3/8 x 1" hex-hd cap SCREW
- 4 20 898 R1 BOLT, battery hold down (4)
 - 103 321 3/8" lock WASHER (8)
 - 103 341 13/32" flat WASHER (8)
- 610 139 C1 NUT, 3/8" push or speed

STARTING SWITCH
(Cole-Hersee Co.)



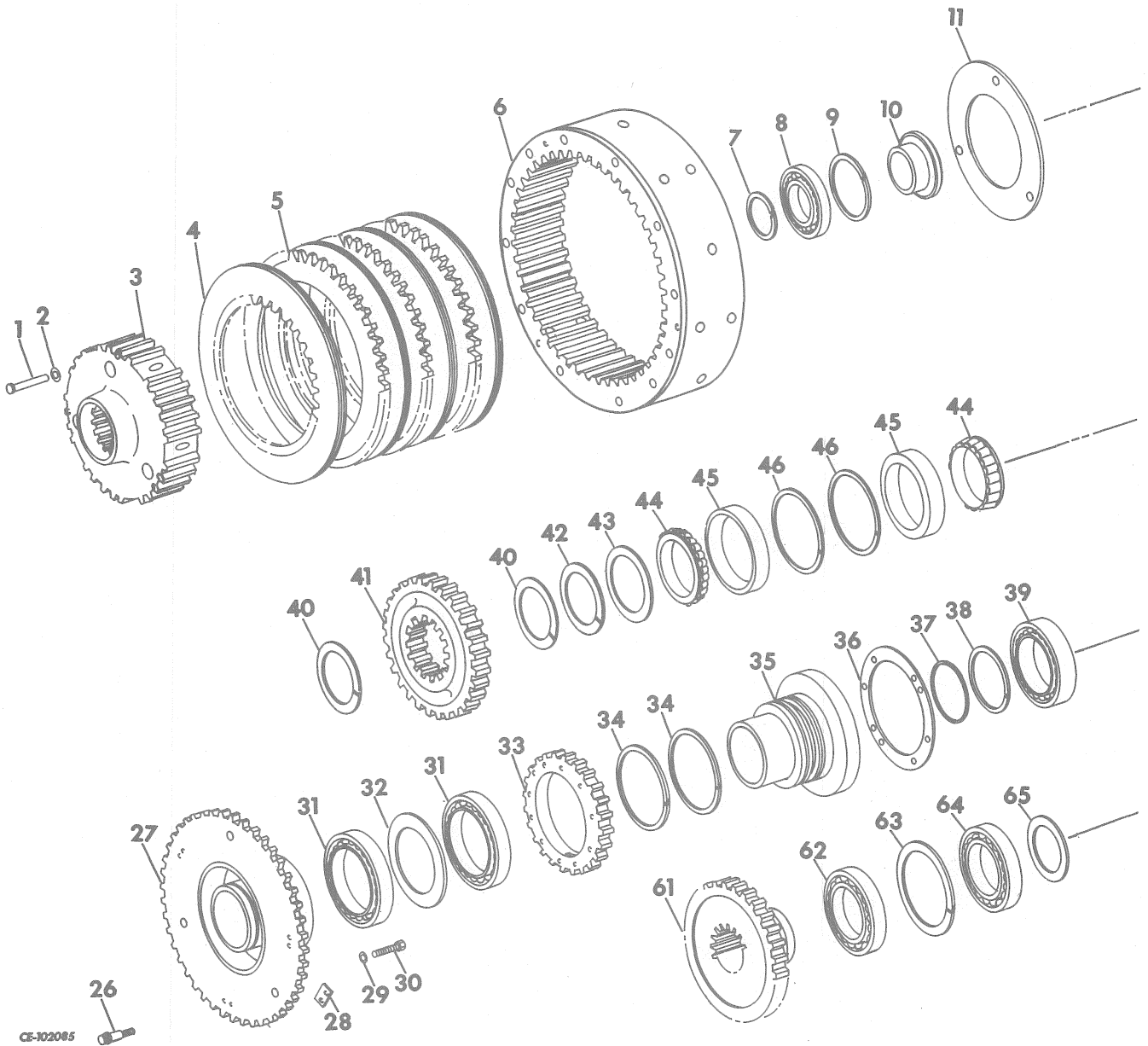
- 1 700 395 C91 SWITCH w/ CAP and face NUT, 702 268 C1 starting
- 2 702 268 C1 CAP and FACE NUT

MEMORANDA

ENGINE CLUTCH

CLUTCH, CLUTCH HOUSING AND RELATED PARTS

CLUTCH, CLUTCH HOUSING AND RELATED PARTS -
Continued

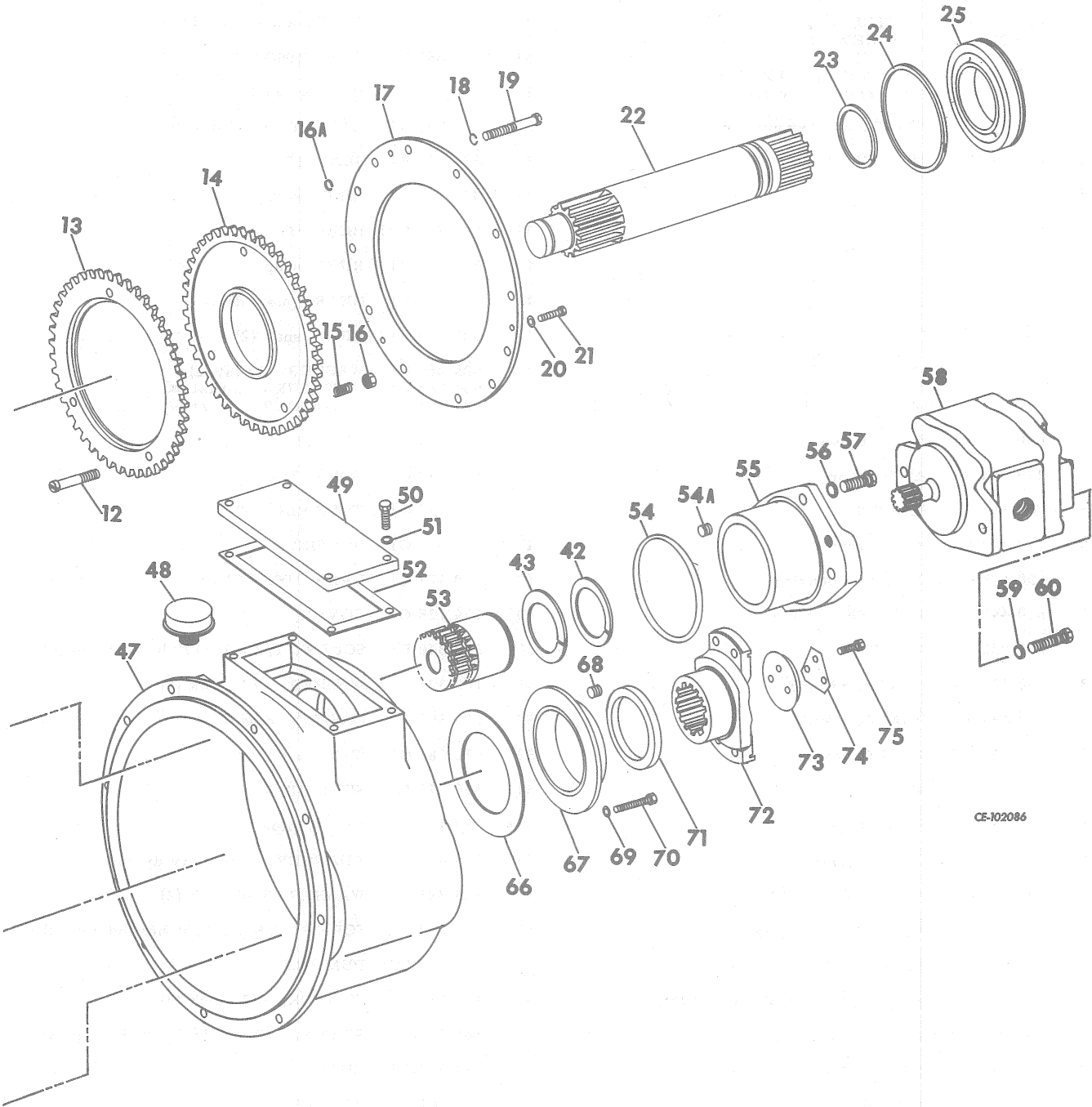


CE-102085

ENGINE CLUTCH

CLUTCH, CLUTCH HOUSING AND RELATED PARTS -
Continued

CLUTCH, CLUTCH HOUSING AND RELATED PARTS -
Continued



CF-102086

ENGINE CLUTCH

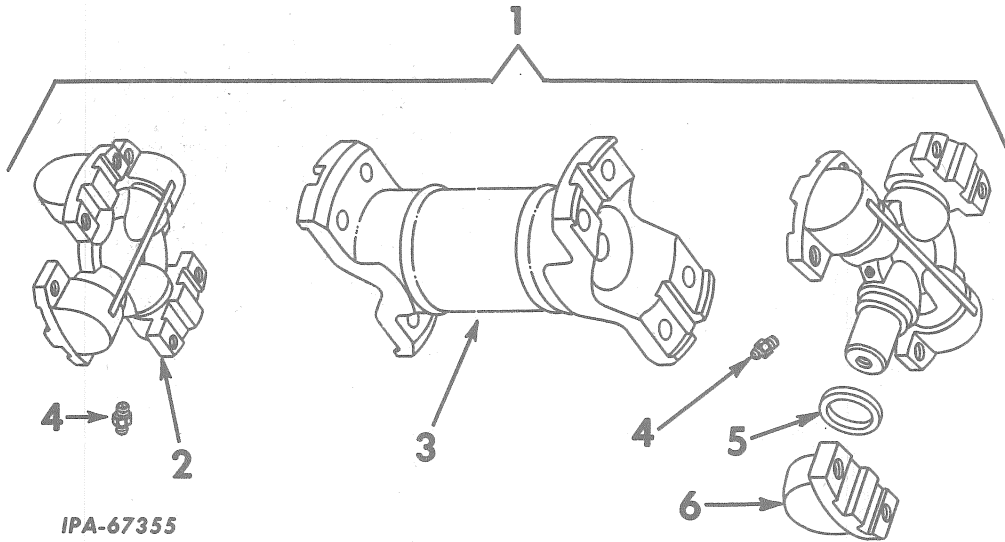
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CLUTCH, CLUTCH HOUSING AND RELATED PARTS - Continued			CLUTCH, CLUTCH HOUSING AND RELATED PARTS - Continued		
	625 628 C92	CLUTCH, engine	33	630 433 C1	GEAR, accessory drive
	179 860	SCREW, 7/16 x 1-1/4" hex-hd cap (12)	34	210 858 H1	SEAL RING (2)
	103 322	WASHER, 7/16" lock (12) (Consists of the following parts -	35	630 425 C1	HUB, ground sleeve
1	630 452 C1	RIVET, countersunk head (3)	36	324 069 R1	GASKET, bearing retainer
2	610 219 C1	WASHER (3)	37	324 065 R1	SEAL RING
3	630 448 C1	HUB, splined	38	336 971 R1	RING, snap
4	630 451 C91	KIT, outer disc (Consists of -	39	606 265 C91	BEARING
	§ 3	DISC	40	269 916 R1	RING, snap
	3	RIVET 630 452 C1	41	654 090 C1	GEAR, pump drive
	3	WASHER 610 219 C1)	42	327 058 R1	RING, snap (2)
5	630 450 C91	KIT, inner disc (Consists of -	43	625 260 C1	WASHER, thrust (2)
	§ 4	DISC		654 085 C1	WASHER, thrust (x)
	3	RIVET 630 452 C1		627 874 C1	WASHER, thrust (x)
	3	WASHER 610 219 C1)	44	625 743 C91	CUP (27)
6	630 439 C1	RING, drive	45	625 742 C91	CONE (2)
7	370 504 R1	RING, snap	46	654 092 C1	SNAP RING (2)
8	ST 213	BEARING	47	625 853 C1	HOUSING
9	473 475 R1	RING, snap	48	630 427 C1	BREATHER, filter
10	630 428 C1	SPACER, bearing	49	654 735 C1	COVER, input
11	630 449 C1	RETAINER, plate	50	340 340 R1	SCREW, 1/2 x 1-1/2" hex-hd cap (6)
12	261 082 R1	SCREW (3)	51	103 323	WASHER, 1/2" lock (6)
13	630 438 C1	PLATE, pressure	52	627 396 C1	GASKET, cover
14	630 437 C1	PLATE, adapter	53	654 088 C1	SHAFT, drive
15	347 830 R1	SPRING, separator (3)	54	336 970 R1	SEAL RING
16	261 069 R1	NUT, flex lock (3)	54A	619 420 C1	PLUG, pipe
16A	630 443 C1	RING, retaining (12)	55	654 089 C1	ADAPTER, accessory drive
17	630 441 C1	PLATE, retainer	56	103 321	WASHER, 3/8" lock (2)
18	630 440 C1	BOLT, hex-hd (12)	57	179 842	SCREW, 3/8 x 1-3/8" hex-hd cap (2)
19	103 323	WASHER, 1/2" lock (12)	58	627 873 C91	PUMP ASSY
20	103 320	WASHER, 5/16" lock (3)	59	103 323	WASHER, 1/2" lock (2)
21	179 816	BOLT, 5/16 x 3/4" hex-hd (3)	60	364 257 R1	SCREW, 1/2 x 1-3/4" hex-hd cap (2)
22	630 426 C1	SHAFT, drive	61	343 687 R1	GEAR
23	630 436 C1	SEAL RING, hook type	62	ST 201	BEARING
24	630 435 C1	SEAL RING, hook type	63	324 066 R1	RING, snap
25	630 434 C1	PISTON, clutch	64	ST 201	BEARING
26	26 006 R1	BOLT, 3/8 NF x 2-1/4" (8)	65	199 399 H1	SNAP RING
27	630 431 C1	BODY, clutch	66	324 069 R1	GASKET, bearing retainer
28	630 442 C1	BLOCK, retainer (3)	67	610 254 C1	RETAINER, bearing
29	103 320	WASHER, 5/16" lock (6)	68	347 554 R1	PLUG, pipe
30	179 816	BOLT, 5/16 x 3/4" hex-hd (6)	69	103 321	WASHER, 3/8" lock (6)
31	55 966 D	BEARING ASSY., ball (2)			
32	630 432 C1	SPACER			(x) - As Required.

ENGINE CLUTCH

REF. NO.	PART NUMBER	DESCRIPTION
CLUTCH, CLUTCH HOUSING AND RELATED PARTS - Continued		
70	179 846	SCREW, 3/8 x 1-7/8" hex-hd cap (6)
71	156 602 H1	SEAL, oil
72	619 734 C1	FLANGE, output
73	324 072 R2	WASHER, bearing retainer
74	324 071 R2	PLATE, locking
75	454 869	SCREW, 5/16 x 3/4" hex-hd cap (3)
630 447 C91	PACK and HUB ASSY, disc (Consists of the following parts -	
	1 HUB	630 448 C1
	1 KIT	630 450 C1
	1 KIT	630 451 C1
	1 RETAINER	630 449 C1)
630 430 C91	CLUTCH ASSY (Consists of the following parts -	
	2 BEARING	55 966 D
	3 BLOCK	630 442 C1
	1 BODY	630 431 C1
	8 BOLT	26 006 R1
	12 BOLT	630 440 C1
	9 BOLT	179 816
	1 GEAR	630 433 C1
	3 NUT	261 069 R1
	1 PISTON	630 434 C1
	1 PLATE	630 438 C1
	1 PLATE	630 437 C1
	1 PLATE	630 441 C1
	1 RING	630 439 C1
	12 RING	630 443 C1
	3 SCREW	261 082 R1
	1 SEAL RING	630 436 C1
	1 SEAL RING	630 435 C1
	1 SPACER	630 432 C1
	3 SPRING	347 830 R1
	12 WASHER	103 323
	9 WASHER	103 320)
338 972 R1	SHIM	
347 089 R1	SHIM	
347 090 R1	SHIM	

ENGINE CLUTCH

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
"U" JOINT (Mechanics) (Manual Shift Custom)			"U" JOINT - Continued (Mechanics) (Manual Shift Custom)		



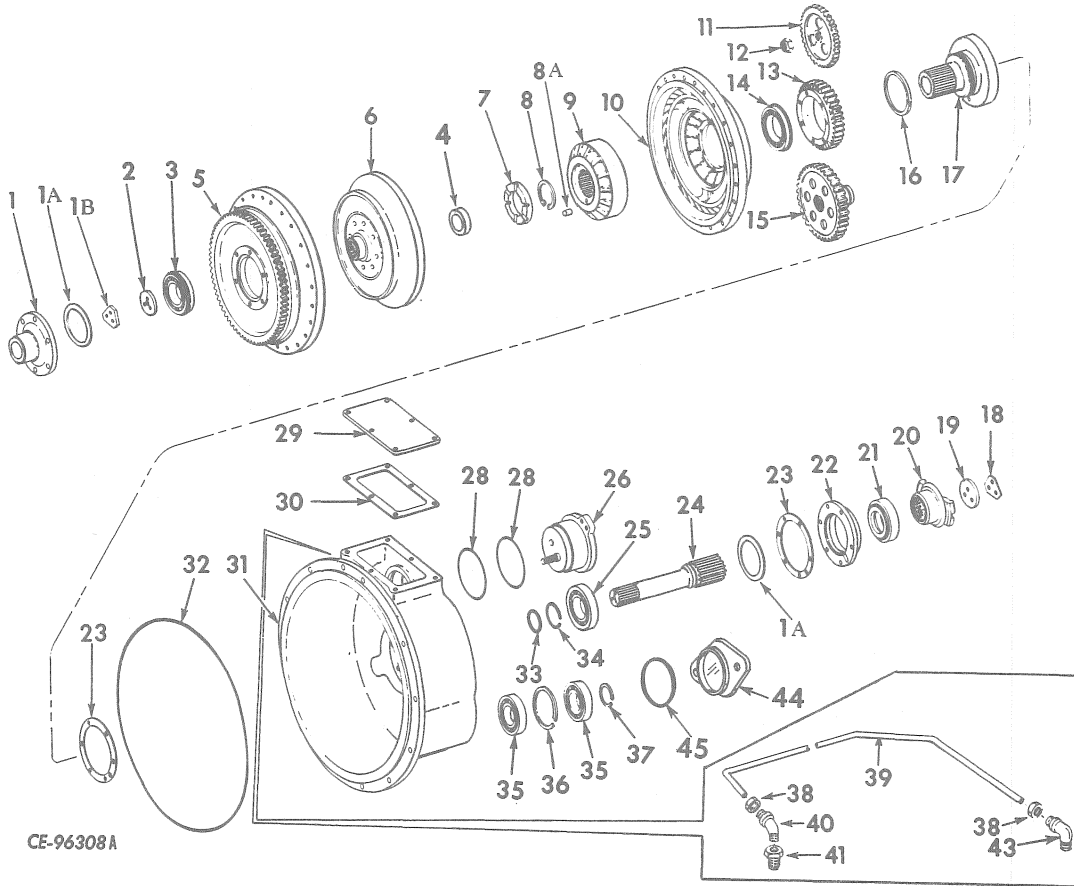
1	654 036 C91	JOINT ASSEMBLY, double universal	4	102 467 H	FITTING, 1/4" straight lubrication (optional with 110 146 R91) (2)
	31 634 HA	BOLT	5	116 485 R1	WASHER, cork (8)
	114 606	3/8" lock WASHER (8)	6		Not Furnished Separately
2	327 204 R91	SPIDER w/BEARINGS (2)		625 647 C1	BOLT, hex-hd (3/8NF x 3/4") (8)
3	625 729 C1	TUBE		108 580	3/8" external-tooth lock WASHER (8)
4	110 146 R91	FITTING, 1/4" straight lubrication (optional with 102 467 H) (2)		37 335 H	SHIELD, dust (8)

TORQUE CONVERTER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TORQUE CONVERTER AND RELATED PARTS
(Rockford)
(Power Shift and Sideboom)
25238 & below

TORQUE CONVERTER AND RELATED PARTS - Continued
(Rockford)
(Power Shift and Sideboom)
25238 & below



CE-96308A

625 659 C91	CONVERTER ASSY, torque	2	324 088 R1	WASHER, flange retainer
	(Order the following parts -	3	ST 266	BEARING, turbine hub ball
1	CONVERTER 625 745 C92	4	889 615 C1	SPACER
1	CLAMP 608 868 C1	5	336 774 R2	HOUSING, converter drive
1	ELBOW 627 429 C1	6	606 249 C92	TURBINE
1	ELBOW 619 717 C1	7	324 085 R2	SPACER, converter
1	HOSE 702 272 C91	8	641 207 R1	RING, internal snap
1	HOSE 702 635 C91	8A	17 132 R1	PIN, 1/4 x 1" roll
1	HOSE 619 826 C91			
1	RING 307 915 R1			
1	RING 296 247 R1			
1	TEE 656 048 C1)			
	(Consists of the following parts -			
179 869	SCREW, 7/16 x 1-1/4" hex-hd cap (12)			
103 322	WASHER, 7/16" lock (12)			
1	324 089 R1 HUB, input drive			
179 839	SCREW, 3/8 x 1" hex-hd cap (6)			
108 580	WASHER, 3/8" heavy lock (6)			
1A	338 972 R1 SHIM, impeller hub bearing (x)			
1A	347 089 R1 SHIM, impeller hub bearing (.010") (x)			
1A	347 090 R1 SHIM, impeller hub bearing (.020") (x)			
1B	610 256 C1 PLATE, locking			(x) - As Required.
179 816	SCREW, 5/16 x 3/4" hex-hd cap (3)			

TORQUE CONVERTER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TORQUE CONVERTER AND RELATED PARTS - Continued (Rockford) (Power Shift and Sideboom) 25238 and below			TORQUE CONVERTER AND RELATED PARTS - Continued (Rockford) (Power Shift and Sideboom) 25238 and below		
9	336 772 R92	STATOR w/PIN, 17 132 R1 and RING, 641 207 R1	38	265 205 R1 265 204 R1	NUT, converter vent tube (2) (*) SLEEVE (2)
10	625 851 C1	IMPELLER, converter	39	624 572 C91	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, converter vent (*)
11	603 634 C1	GEAR, input drive	40	606 845 C1	ELBOW, converter vent pipe (*)
12	19 263 R1	NUT	41	144 047	BUSHING, converter vent pipe reducer (1/4 x 3/4") (on converter) (*)
13	625 852 C1 179 860 103 322	GEAR, accessory drive BOLT, 7/16 x 1-1/4" hex-hd locking (7) WASHER, 7/16" (7)	43	606 845 C1	ELBOW, converter vent pipe (*)
14	324 109 R91	BEARING, impeller hub	44	326 650 R1	COVER, equipment power take-off (*)
15	343 687 R1	GEAR, accessory driven	45	343 927 R1	"O" RING, equipment power take-off sealing (*)
16	324 062 R2	RING, ground sleeve hub seal	299 902 R1	CLAMP, converter vent pipe (on right front corner bolt at planetary inspection cover) (*)	
17	324 061 R1	HUB, ground sleeve (39T)	619 420 C1	PLUG, converter	
18	324 071 R2 179 816	PLATE, output flange locking SCREW, 5/16 x 3/4" hex-hd cap (3)	347 554 R1	PLUG, converter	
19	324 072 R2	WASHER, flange retainer			
20	619 734 C1	FLANGE, output			
21	333 996 R92	SEAL, output shaft bearing			
22	610 254 C1 179 846 108 580	RETAINER, output shaft bearing SCREW, 3/8 x 1-7/8" hex-hd cap (6) WASHER, 3/8" heavy lock (6)			
23	324 069 R1	GASKET, output shaft bearing retainer (2)			
24	889 614 C1	SHAFT, turbine output			
25	ST-717	BEARING, ball (output shaft)			
26	603 642 C91 179 842 103 321	PUMP, input SCREW, 3/8 x 1-3/8" hex-hd cap (2) WASHER, 3/8" lock (2)			
28	336 970 R1	"O" RING, input pump (4-3/8 x 4-5/8 x 1/8") (2)			
29	625 854 C1 179 879 103 323	COVER, pump inspection (Not used w/P.T.O. attachment 628 125 C91) SCREW, 1/2 x 3/4" hex-hd cap (6) WASHER, 1/2" heavy lock (6)			
30	625 855 C1	GASKET, pump inspection cover (Not used w/P.T.O. attachment 628 125 C91)			
31	625 853 C1 9 409 225	HOUSING, converter BOLT, 5/16 x 1-3/4" hex-hd locking (24)			
32	321 988 R1	"O" RING, converter housing sealing (*)			
33	324 065 R1	RING, piston hook type seal (output shaft)			
34	336 971 R1	RING, external snap (output shaft)			
35	ST-201	BEARING, power take-off shaft idler ball (2)			
36	324 066 R1	RING, internal snap (power take-off idler shaft)			
37	631 255 R1	RING, external snap P. T. O. idler shaft			

(*) - Not Furnished As Part Of Torque Converter Assembly.

TORQUE CONVERTER

REF. NO.	PART NUMBER	DESCRIPTION
POWER TAKEOFF AND HYDRAULIC WIPER FIELD CONVERSION PACKAGES (Power Shift and Sideboom) 25238 and below		
628 127 C91		PACKAGE, power take off field conversion (For power shift dozer not equipped with P. T. O.) (See NOTE 3)
		(Consists of -
	1	ADAPTER 654 089 C1
	1	ADAPTER 285 235 R91
	2	BEARING ST-201
	2	CONE 625 742 C91
	1	CLAMP 608 868 C1
	1	COVER 654 238 C1
	2	CUP 625 743 C1
	1	ELBOW 627 429 C1
	1	ELBOW 619 717 C1
	1	GEAR 624 755 C1
	1	GEAR 654 090 C1
	1	GASKET 312 453 R1
	1	HOSE 702 272 C91
	1	HOSE 702 050 C91
	1	HOSE 625 616 C91
	1	HOUSING 654 692 C1
	1	NIPPLE 219 694
	1	PACKAGE 624 756 C91
	1	PUMP 654 736 C91
	1	PLUG 444 644
	1	PLUG 444 636
	1	RING 326 668 R1
	1	RING 336 970 R1
	2	RING 654 092 C1
	2	RING 327 058 R1
	1	RING 269 916 R1
	1	RING 307 915 R1
	1	RING 296 247 R1
	1	SHAFT 624 754 C1
	1	SHAFT 654 088 C1
	1	TEE 656 048 C1
	1	WASHER 654 085 C1
	2	WASHER 625 260 C1)

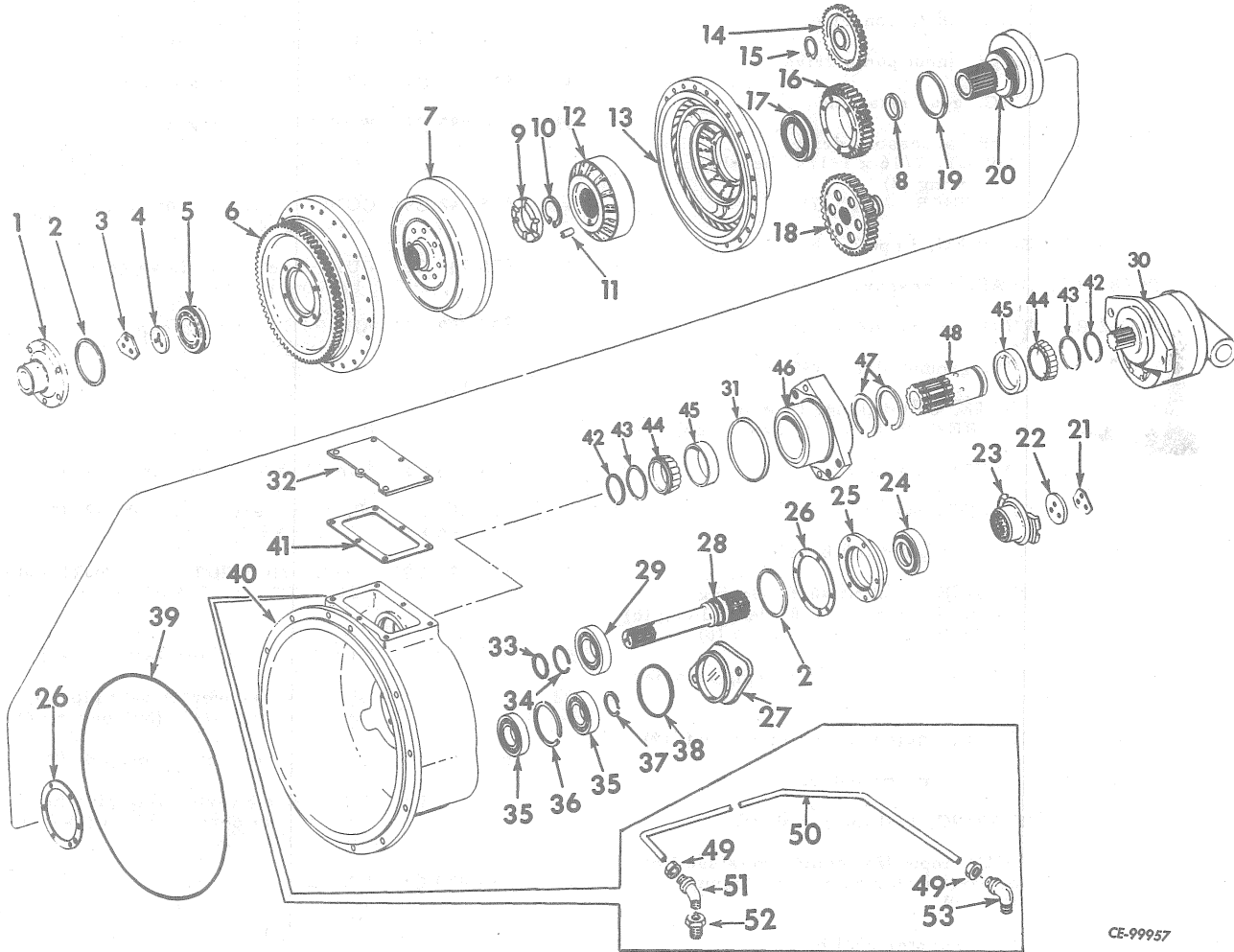
628 128 C91		PACKAGE, hydraulic pump drive winch field conversion (for machine equipped with Carco winch) (See NOTE 3)
		(Consists of -
	1	ADAPTER 654 089 C1
	1	ADAPTER 296 941 R1 (250 C)
	1	ADAPTER 285 235 R91 (250 C)
	1	CLAMP 608 868 C1
	2	CONE 625 742 C91
	2	CUP 625 743 C1
	1	ELBOW 627 429 C1
	1	ELBOW 619 717 C1
	1	GEAR 654 090 C1
	1	HOSE 702 272 C91
	1	HOSE 702 050 C91
	1	HOSE 625 616 C91
	1	NIPPLE 219 694 (250 C)
	1	PLUG 444 644
	1	PLUG 444 636
	1	PUMP 654 736 C91
	1	RING 336 970 R1
	2	RING 654 092 C1
	2	RING 327 058 R1
	1	RING 269 916 R1
	1	RING 307 915 R1
	1	RING 296 247 R1
	1	SHAFT 654 088 C1
	1	TEE 656 048 C1
	1	WASHER 654 085 C1
	2	WASHER 625 260 C1)

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

MEMORANDA

TORQUE CONVERTER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TORQUE CONVERTER AND RELATED PARTS (Rockford) (Power Shift and Sideboom) 25239 and up			TORQUE CONVERTER AND RELATED PARTS - Continued (Rockford) (Power Shift and Sideboom) 25239 and up		



659926C91

CE-99957

625 745 C92	CONVERTER ASSY, torque (Consists of the following parts - SCREW, 7/16 x 1-1/4" hex-hd cap (12) WASHER, 7/16" lock (12)	4	324 088 R1	WASHER, flange retainer
179 860		5	ST-266	BEARING, turbine hub ball
103 322		6	336 774 R2	HOUSING, converter drive
1	324 089 R1 HUB, input drive 179 839 SCREW, 3/8 x 1" hex-hd cap (6) 108 580 WASHER, 3/8" heavy lock (6)	7	606 249 C92	TURBINE
2	338 972 R1 SHIM, impeller hub bearing (x)	8	889 615 C1	SPACER
2	347 089 R1 SHIM, impeller hub bearing (.010") (x)	9	324 085 R2	SPACER, converter
2	347 090 R1 SHIM, impeller hub bearing (.020") (x)	10	641 207 R1	RING, internal snap
3	610 256 C1 PLATE, locking 179 816 SCREW, 5/16 x 3/4" hex-hd cap (3)	11	17 132 R1	PIN, 1/4 x 1" roll

(x) - As Required.

TORQUE CONVERTER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TORQUE CONVERTER AND RELATED PARTS - Continued (Rockford) (Power Shift and Sideboom) 25239 and up			TORQUE CONVERTER AND RELATED PARTS - Continued (Rockford) (Power Shift and Sideboom) 25239 and up		
12	336 772 R92	STATOR w/PIN, 17 132 R1 and RING, 641 207 R1	41	627 396 C1	GASKET, pump inspection cover (Not used w/Power take-off attachment 628 125 C91)
13	625 851 C1	IMPELLER, converter	42	327 058 R1	RING, bearing retainer (2)
14	654 090 C1	GEAR, input pump drive	43	625 260 C1	WASHER, bearing thrust (2)
15	269 916 R1	RING, gear retaining	43	654 085 C1	WASHER, bearing thrust (one required when necessary in place of 625 260 C1 at inner bearing)
16	625 852 C1 179 860	GEAR, accessory drive BOLT, 7/16 x 1-1/4" hex-hd locking (7)	44	625 742 C91	CONE, input pump drive gear shaft bearing (2)
	103 322	WASHER, 7/16" (7)	45	625 743 C1	CUP, input pump drive gear shaft bearing (2)
17	324 109 R91	BEARING, impeller hub	46	654 089 C1	ADAPTER, input pump SCREW, 3/8 x 1-3/8" hex-hd cap (type four) (2)
18	343 687 R1	GEAR, accessory driven		63 115 D	WASHER, hardened (2)
19	324 062 R2	RING, ground sleeve hub seal	47	654 092 C1	RING, bearing spacer (2)
20	324 061 R1	HUB, ground sleeve (39T)	48	654 088 C1	SHAFT, input pump drive gear
21	324 071 R2 179 816	PLATE, outlet flange locking SCREW, 5/16 x 3/4" hex-hd cap (3)	49	265 205 R1 265 204 R1	NUT, converter vent tube (2) (*) SLEEVE (2)
22	324 072 R2	WASHER, flange retainer	50	624 572 C91	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, converter vent (*)
23	619 734 C1	FLANGE, output	51	606 845 C1	ELBOW, converter vent pipe (*)
24	333 996 R92	SEAL, output shaft bearing	52	144 047	BUSHING, converter vent pipe re- ducer (1/4 x 3/4") (on converter) (*)
25	610 254 C1 179 846 108 580	RETAINER, output shaft bearing SCREW, 3/8 x 1-7/8" hex-hd cap (6) WASHER, 3/8" heavy lock (6)	53	606 845 C1	ELBOW, converter vent pipe (*)
26	324 069 R1	GASKET, output shaft bearing retainer (2)		299 902 R1	CLAMP, converter vent pipe (on right front corner bolt at planetary inspection cover) (*)
27	326 650 R11	COVER, equipment power take-off (*)		619 420 C1	PLUG, converter
28	889 614 C1	SHAFT, turbine output		347 554 R1	PLUG, converter
29	ST-717	BEARING, ball (output shaft)			
30		PUMP, input (for components see list of parts under details of "Input Pump")			
31	336 970 R1	RING, adapter sealing			
32	654 735 C1 179 879 103 323	COVER, pump inspection (Not used w/Power take-off attachment 628 125 C91) SCREW, 1/2 x 3/4" hex-hd cap (6) WASHER, 1/2 heavy lock (6)			
33	324 065 R1	RING, piston hook type seal (output shaft)			
34	336 971 R1	RING, external snap (output shaft)			
35	ST-201	BEARING, power take-off shaft idler ball (2)			
36	324 066 R1	RING, internal snap (power take-off idler shaft)			
37	631 255 C1	RING, external snap P. T. O. idler shaft			
38	343 927 R1	"O" RING, equipment power take-off sealing (5 x 5-1/4 x 1/8")			
39	321 988 R1	"O" RING, converter housing sealing (*)			
40	625 853 C1 9 409 225	HOUSING, converter BOLT, 5/16 x 1-3/4" hex-hd locking (24)			

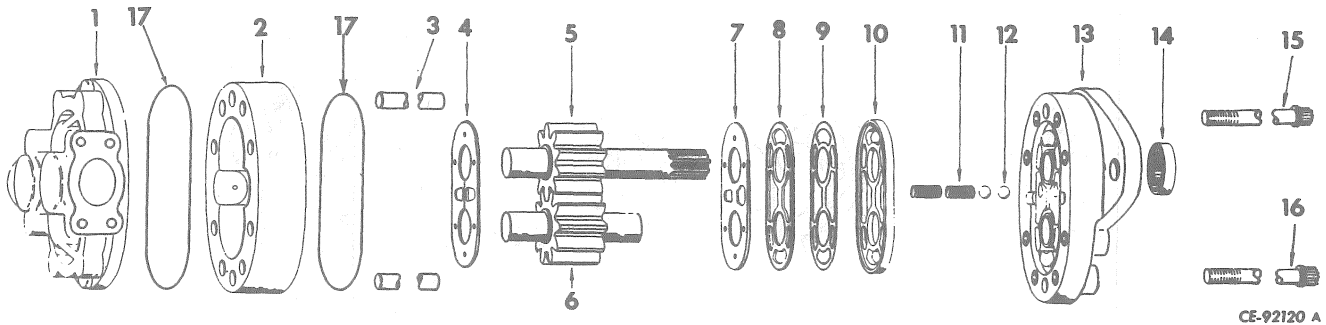
(*) - Not Furnished As Part Of
Torque Converter Assembly.

TORQUE CONVERTER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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INPUT PUMP
(Power Shift and Sideboom)
(Part of Torque Converter 625 745 C92)

INPUT PUMP - Continued
(Power Shift and Sideboom)
(Part of Torque Converter 625 745 C92)

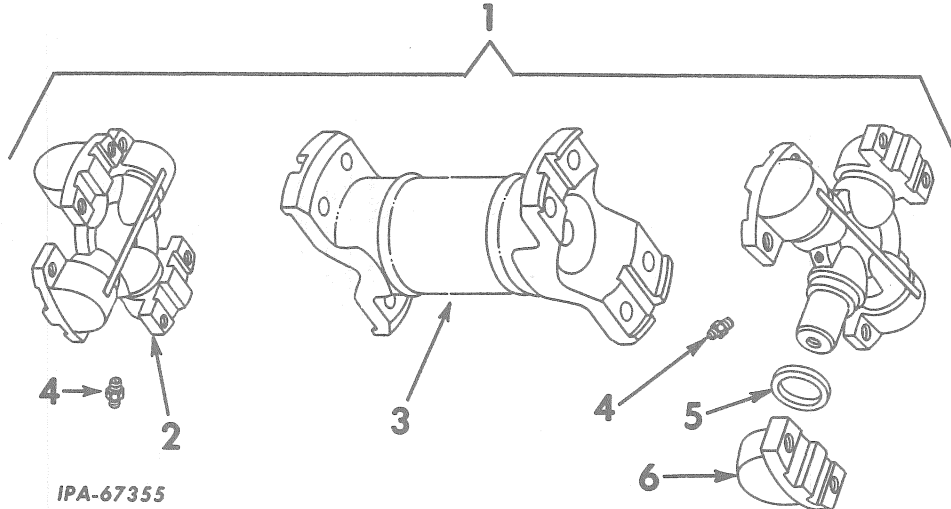


A	625 000 C91	INPUT PUMP (CESSNA) (Order the following parts - 1 HOSE 702 272 C91 1 PUMP 654 736 C91 1 TUBE 645 830 C1)	16	182 561 H1	SCREW, cap (A) (4)
B	654 736 C91	INPUT PUMP (Commercial Shearing) (Service Parts are not available) (Consists of the following parts -	17		"O" RING (Order KIT, 627 676 C1) (A) (2)
1		PLATE, back (Not furnished separately) (A)	627 676 C1		KIT, major seal repair (A) (Consists of - § 2 BALL § 1 DIAPHRAGM § 1 GASKET, back-up § 1 GASKET, protector § 2 "O" RING § 1 PLATE, thrust § 1 SEAL, diaphragm § 1 SEAL, shaft § 2 SPRING)
2		BODY (Not furnished separately) (A)			
3		PIN, dowel (Not furnished separately) (A) (2)			
4		PLATE, thrust (Order KIT, 627 676 C1) (A)			
5		GEAR, drive (Not furnished separately) (A)			
6		GEAR, Idler (Not furnished separately) (A)			
7		DIAPHRAGM (Order KIT, 627 676 C1) (A)			
8		GASKET, back-up (Order KIT, 627 676 C1) (A)			
9		GASKET, protector (Order KIT, 627 676 C1) (A)			
10		SEAL, diaphragm (Order KIT, 627 676 C1) (A)			
11		SPRING, check (Order KIT, 627 676 C1) (A) (2)			
12		BALL, steel (Order KIT, 627 676 C1) (A) (2)			
13		PLATE, front (Not furnished separately) (A)			
14		SEAL, shaft (Order KIT, 627 676 C1) (A)			
15	210 538 H1	SCREW, cap (A) (4)			

§ - Not Furnished Separately.

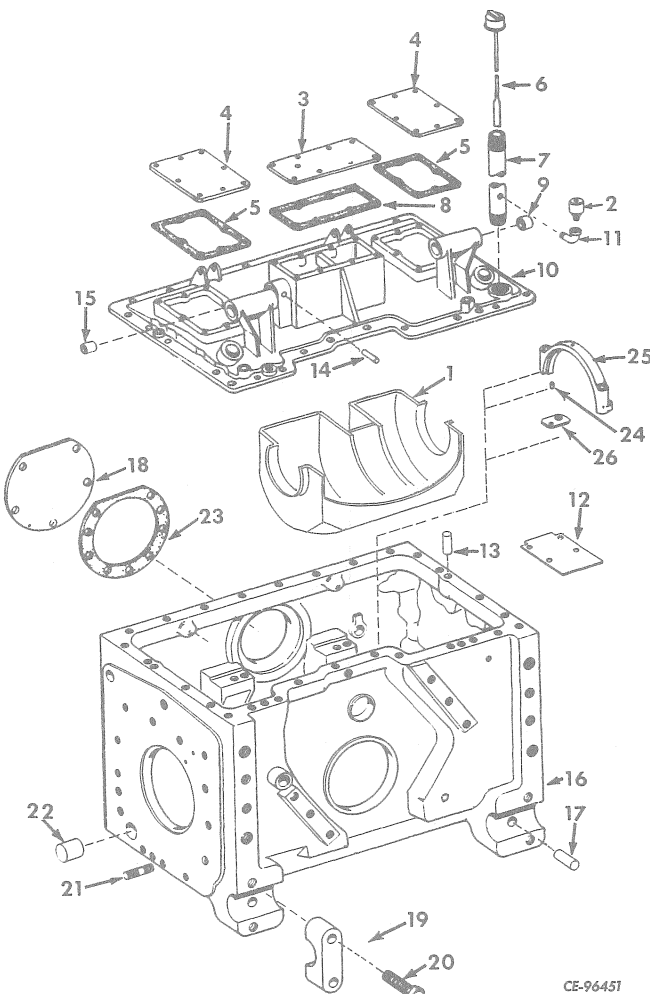
TORQUE CONVERTER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
"U" JOINT (Mechanics) (Power Shift and Sideboom)			"U" JOINT - Continued (Mechanics) (Power Shift and Sideboom)		



1	654 036 C91 31 634 HA 103 321	JOINT ASSEMBLY, double universal BOLT WASHER, 3/8" lock (8)	5	116 485 R1	WASHER, cork (8)
2	327 204 R91	SPIDER w/BEARING (2)	6		Not Furnished Separately
3	625 729 C1	TUBE		625 647 C1 114 606	BOLT, hex-hd (3/8NF x 3/4") (8) WASHER, 3/8" external-tooth lock (8)
4	110 146 R91	FITTING, 1/4" straight lubrication (optional with 102 467 H) (2)		37 335 H	SHIELD, dust (8)
4	102 467 H	FITTING, 1/4" straight lubrication (optional with 110 146 R91) (2)			

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
REAR FRAME			REAR FRAME - Continued		
1	624 488 C1 311 979 R1 103 341	BAFFLE, rear main frame 3/8 x 7/8" hex-hd cap SCREW (Nyllok) (4) 13/32 x 13/16" x 16 ga. WASHER (4)	10	334 917 R51 610 163 C1 610 162 C1 271 562 271 611	COVER w/four BUSHING 279 247 R1, two BUSHING 345 974 R2 and two PIN 103 741, rear frame SCREW, 3/4 x 1-5/8" twelve point counterbore (3) SCREW, 5/8 x 1-5/8" twelve point counterbore (2) SCREW, 5/8 x 2" hex-hd cap (2) SCREW, 3/4 x 2" hex-hd cap (5)
2	324 042 R91	BREATHER, rear frame	11	105 423	ELBOW, rear frame breather
3	325 833 R1 179 839 103 321	COVER, planetary inspection 3/8 x 1" hex-hd cap SCREW (8) 3/8" lock WASHER (8)	12	611 207 C1 321 872 R1 604 673 C1	SCREEN, rear main frame sump 3/8 x 3/4" hex-hd cap SCREW (4) PLATE, rear frame sump plate lock (4)
4	325 831 R1 179 839 103 321	COVER, brake inspection (2) 3/8 x 1" hex-hd cap SCREW (8) 3/8" lock WASHER (8)	13	250 868 R1	PIN, rear frame to cover dowel (4)
5	325 832 R2	GASKET, brake inspection cover (2)	14	103 741	PIN, steering brake adjusting aligning (2)
6	609 956 C21	ROD, rear frame oil level	15	345 974 R2	BUSHING, push rod lever shaft (2)
7	616 238 C1	PIPE, rear frame oil level rod	16	611 057 C92	FRAME, rear (Composed of - 8 BOLT 19 988 R1 2 CAP 345 626 R11 2 CAP 611 062 C1 1 DOWEL 323 395 R1 2 DOWEL 325 825 R1 §1 FRAME 4 PIN 250 868 R1 2 PLUG 21 502 R1 1 PLUG 271 647 R1 12 STUD 334 983 R1)
8	325 834 R2	GASKET, planetary inspection cover	17	323 395 R1	DOWEL, pivot shaft
9	279 247 R1	BUSHING, pivot brake (4)	18	253 174 R2 271 553	PLATE, rear power take-off cover 5/8 x 7/8" hex-hd cap SCREW (5)
			19	611 062 C1	CAP, pivot shaft (2)
			20	19 988 R1	BOLT, 1-1/4 x 5" (4)
			21	334 983 R1	STUD, rear frame to sprocket drive carrier (12)
			22	325 825 R1	DOWEL, sprocket drive carrier (2)
			23	325 429 R1	GASKET, rear power take-off cover plate
			24	325 411 R1	PIN, bearing cap dowel (6)
			25	345 626 R11	CAP, planet carrier bearing (2) (Composed of - §1 CAP 3 PIN 325 411 R1 4 SHIM 345 641 R1 5 SHIM 345 642 R1 1 INSTALLATION INSTRUCTIONS IZG-6592) 271 573 5/8 x 4-3/4" hex-hd cap SCREW (4)
			26	345 641 R1	SHIM (.010") (4)
			26	345 642 R1	SHIM (.003") (5)
				21 502 R1	PLUG, brake fork adjusting hole (2)
				271 647 R1	PLUG, drain



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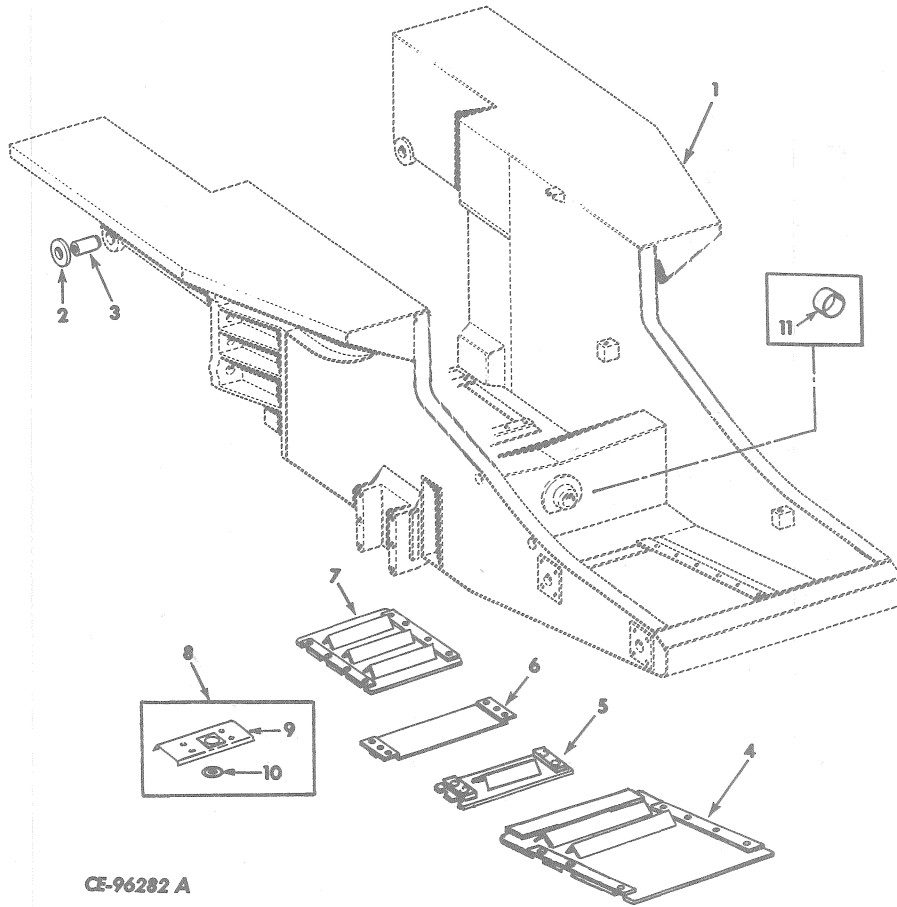
§ - Not Furnished Separately.

FRAME

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

FRONT FRAME-Continued



CE-96282 A

1		FRAME w/two BUSHING 603 284 C1, front (Not used w/sideboom crawler tractors) (See NOTE)	4	624 558 C1 271 555	DOOR, front frame front 5/8 x 1-1/8" hex-hd cap SCREW (6)
1		FRAME, front (Used w/sideboom crawler tractors) (See NOTE)	5	624 561 C1 271 555	DOOR, oil pan 5/8 x 1-1/8" hex-hd cap SCREW (4)
	23 389 R1	BOLT, front frame (4)	6	334 394 R21 271 605	DOOR, front frame center 3/4 x 1-1/4" hex-hd cap SCREW (4)
	23 388 R1	BOLT, front frame (4)	7	331 901 R13 271 555	DOOR, front frame rear 5/8 x 1-1/8" hex-hd cap SCREW (8)
	271 621	3/4 x 4-1/2" hex-hd cap SCREW (2)	8	624 771 C91	ATTACHMENT, front frame bottom guard door (see NOTE 3)
	620 140 C1	WASHER, hardened (4)			
	620 141 C1	WASHER, hardened (4)			
2	325 656 R1	RETAINER, dowel (2)			
3	325 914 R2	DOWEL, front frame to rear frame (2)			

NOTE: Service Frames Will Be Available On Special Order Only On Clearance With Engineering Department.

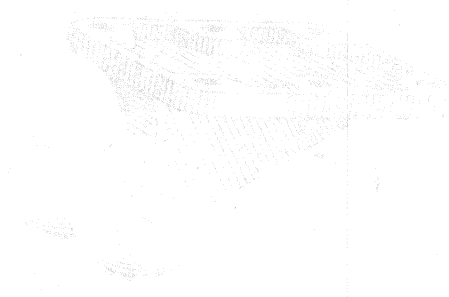
NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

FRAME

REF. NO.	PART NUMBER	DESCRIPTION
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FRONT FRAME-Continued

9	650 341 C1	DOOR, bottom guard
	570 879 R1	BOLT (4)
	609 298 C1	WASHER, flat (4)
10	5 977 DA	COVER, oil pan drain hole
	24 864 R1	SCREW, 1/2 x 2" hex-hd cap
	55 754 D	SPACER
	650 374 C1	SUPPORT
	25 536 R1	WASHER, 17/32" hardened
11	603 284 C1	BUSHING, equalizer bar pivot shaft support (Not for side boom tractors) (2)
	604 021 C1	TREAD, safety walk (x)

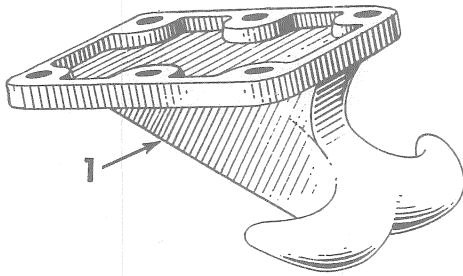


(x) - As Required.

FRAME

REF. NO.	PART NUMBER	DESCRIPTION
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FRONT PULL HOOK

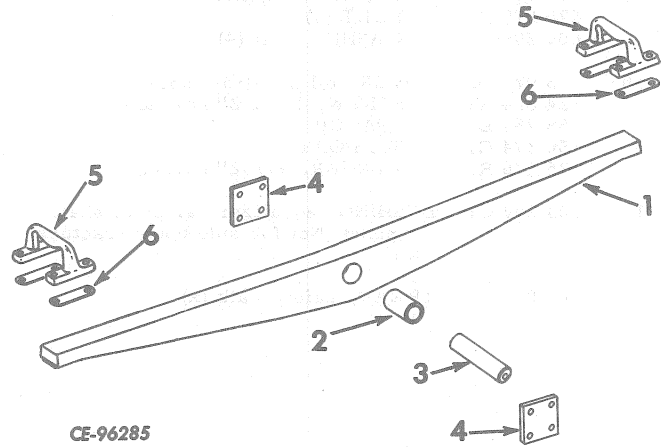


IPA-67563

- 334 517 R91 ATTACHMENT, front pull hook (see NOTES 1 and 3)
- 1 5 980 D HOOK, front pull
- 220 082 7/8" NUT (6)
- 271 656 7/8 x 2" hex-hd cap SCREW (6)

REF. NO.	PART NUMBER	DESCRIPTION
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EQUALIZER BAR
(Not Used With Sideboom Crawler Tractors)



CE-96285

- 1 650 022 C91 BAR w/BUSHING 334 897 R2 equalizer
- 2 334 897 R2 BUSHING, pivot shaft
- 3 603 283 C1 SHAFT, equalizer bar pivot
- 4 603 282 C1 PLATE, equalizer bar pivot shaft retaining
- 271 558 5/8 x 1-1/2" hex-hd cap SCREW (8)
- 5 330 688 R3 BRACKET, equalizer bar rebound (2)
- 271 560 5/8 x 1-3/4" hex-hd cap SCREW (8)
- 103 325 5/8" lock WASHER (8)
- 6 330 692 R1 SHIM, equalizer bar rebound bracket (.049") (x)

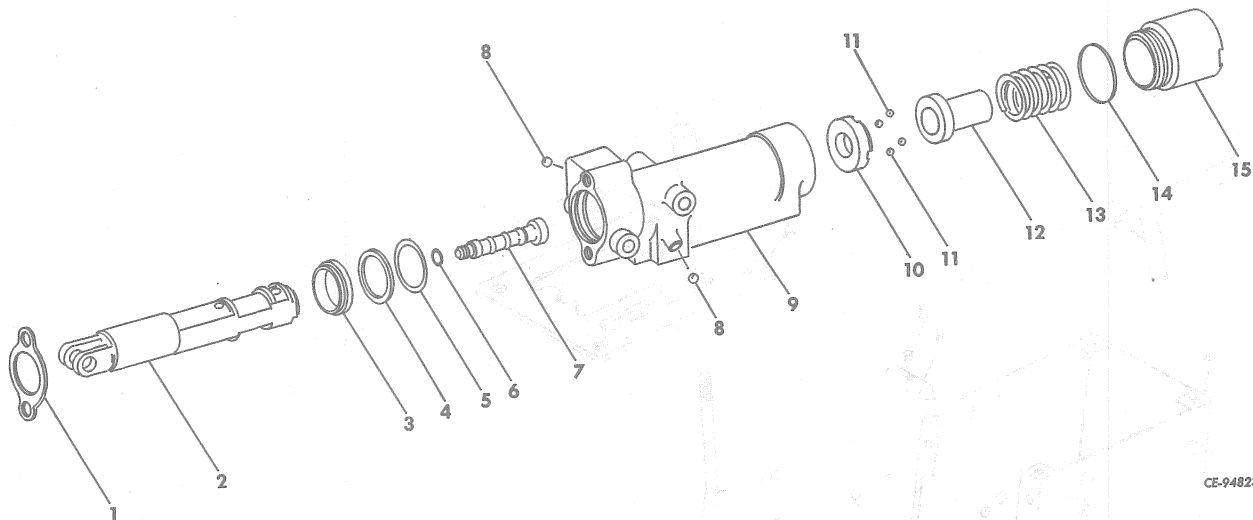
NOTE 1 - Factory Application - Order on Machine Order Form.

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

(x) - As Required.

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
PILOT CONTROL VALVE (Manual Shift Custom)			PILOT CONTROL VALVE - Continued (Manual Shift Custom)		

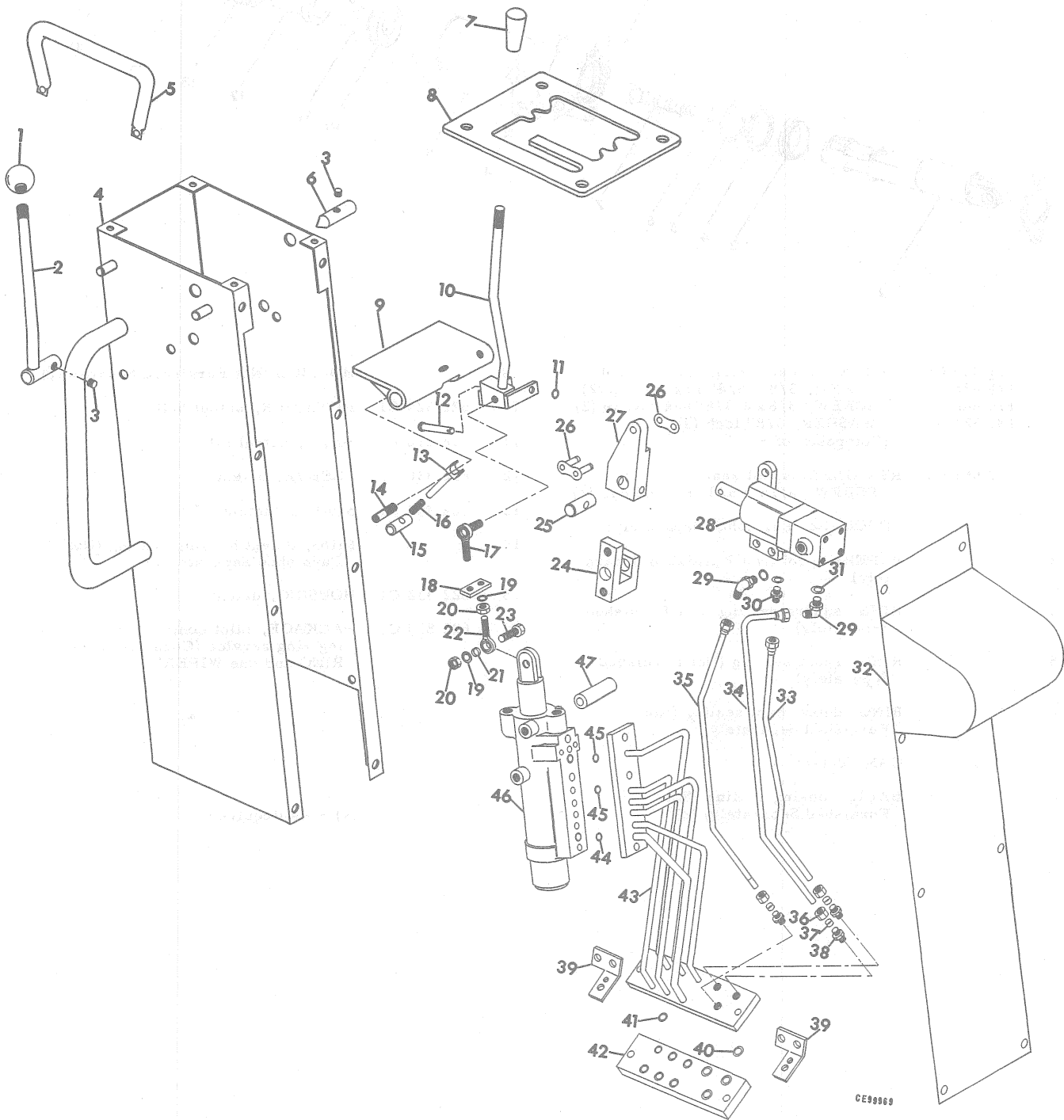


622 325 C91	VALVE, transmission pilot control	9	HOUSING (Not Furnished Separately)
179 835	SCREW, 3/8 x 5/8" hex-hd cap (2)	10	622 329 C1 RETAINER, detent ball
179 848	SCREW, 3/8 x 2-3/8" hex-hd cap (2)	11	16 010 R1 BALL, detent (4)
103 321	WASHER, 3/8" lock (4) (Composed of -	12	622 330 C1 SLEEVE, detent
1	617 051 C1 RETAINER, spool seal SCREW, 5/16 x 5/8" hex-hd cap (2)	13	384 492 R1 SPRING, detent
2	SPOOL (Not Furnished Separately)	14	RING, detent housing sealing (Not Furnished Separately)
3	WIPER, spool (Not Furnished Separately)	15	622 332 C1 HOUSING, detent
4	RING, square sealing (Not Furnished Separately)	622 829 C91	PACKAGE, pilot control valve sealing ring service (Consists of four RING and one WIPER)
5	RING, spool sealing (Not Furnished Separately)		
6	RING, detent cam sealing (Not Furnished Separately)		
7	622 328 C1 CAM, detent		
8	BALL, housing sealing (Not Furnished Separately) (2)		(x) - As Required.

TRANSMISSION

TRANSMISSION CONTROL TOWER AND RELATED PARTS
(Manual Shift Custom)

TRANSMISSION CONTROL TOWER AND RELATED PARTS
- Continued
(Manual Shift Custom)



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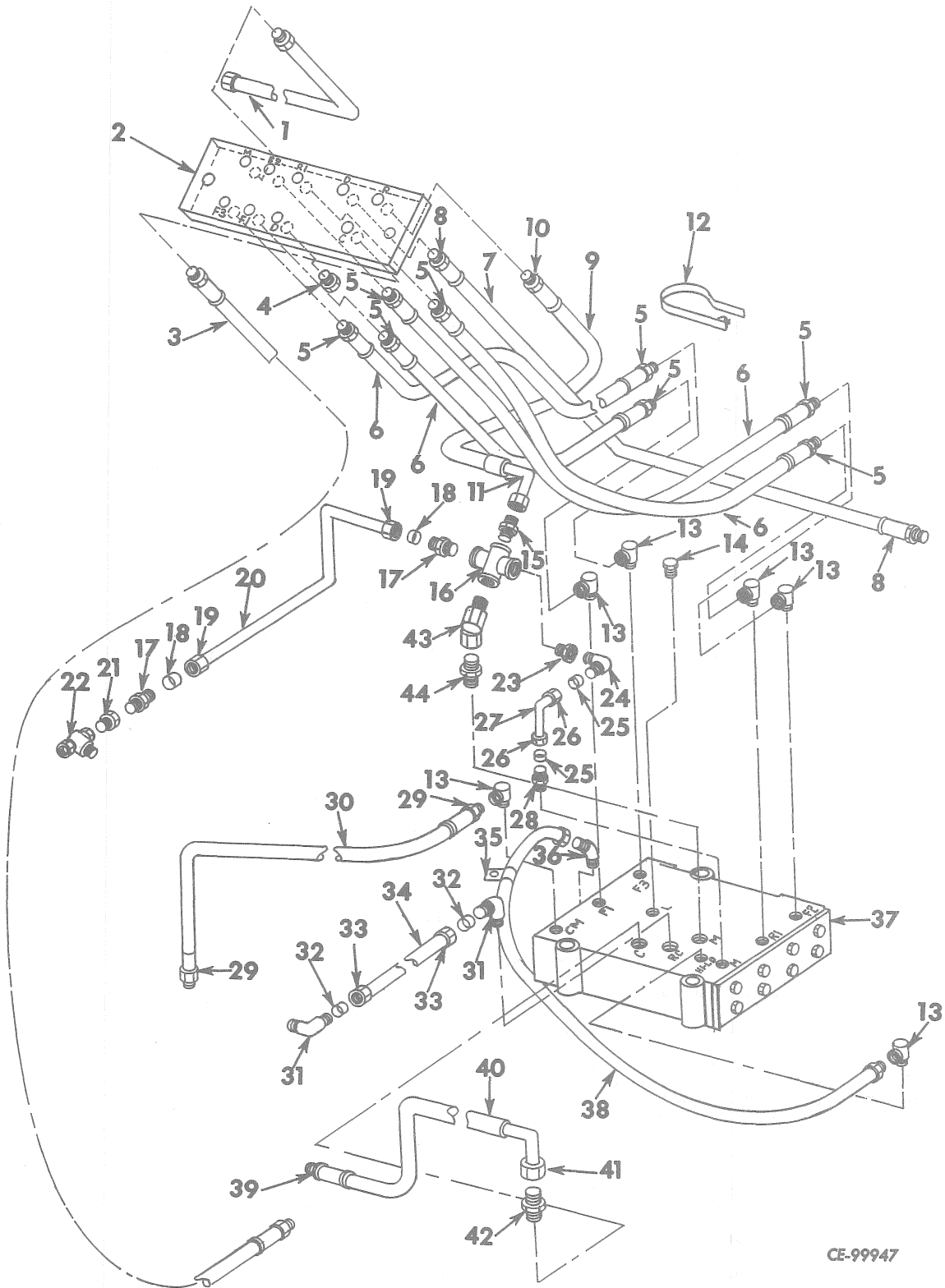
TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION CONTROL TOWER AND RELATED PARTS - Continued (Manual Shift Custom)			TRANSMISSION CONTROL TOWER AND RELATED PARTS - Continued (Manual Shift Custom)		
1	307 839 R1	KNOB, safety lever	29	9 410 976	ELBOW, clutch valve "P" and "C" ports (2)
2	700 035 C1	LEVER, safety lock	30	9 410 202	CONNECTOR, clutch valve "D" port
3	617 256 C1	SCREW, safety lock lever set (2)	31	364 839 R1	RING, clutch valve elbow sealing (3)
4	656 129 C1 179 859 103 322	HOUSING, control tower SCREW, 7/16 x 1-1/8" hex-hd cap (2) WASHER, 7/16" lock (2)	32	700 037 C1 179 837 103 321	COVER, control tower back SCREW, 3/8 x 3/4" hex-hd cap (8) WASHER, 3/8" lock (8)
5	334 664 R1 179 858 103 322	GUARD, pilot control valve lever SCREW, 7/16 x 1" hex-hd cap (2) WASHER, 7/16" lock (2)	33	656 143 C1	TUBE, junction to clutch valve "D" port
6	620 048 C1	SHAFT, safety lock	34	656 145 C1	TUBE, junction to clutch valve "P" port
7	347 768 R1	HANDLE, control lever	35	656 144 C1	TUBE, junction to clutch valve "C" port
8	656 148 C1 21 438 R1	GATE, hydraulic control tower SCREW, 3/8 x 3/4" pan hd machine (4)	36	265 205 R1	NUT, clutch valve tube at junction (3/8" OD tube) (3)
9	656 146 C1 102 635 223 095	LOCK, safety NUT, 3/8" SCREW, 3/8 x 1-1/4" safety lock set	37	265 204 R1	SLEEVE, clutch valve tube at junction (3/8" OD tube) (3)
10	656 136 C1	LEVER, pilot clutch	38	606 819 C1	CONNECTOR, manifold junction back to clutch valve tubes (3)
11	103 341	WASHER, 13/32 x 13/16" x 16 ga flat (2)	39	620 387 C1 179 857 179 795 103 322 103 342 103 319	BRACKET, manifold mounting (2) SCREW, 7/16 x 7/8" hex-hd cap (2) SCREW, 1/4 x 3/4" hex-hd cap (2) WASHER, 7/16" lock (2) WASHER, 15/32 x 59/64" x 16 ga (2) WASHER, 1/4" lock (2)
12	193 836 R1 103 373	PIN, lever pivot PIN, 3/32 x 3/4" cotter	40	352 221 R1	RING, 9/16 x 3/4 x 3/32" transmission selector valve manifold sealing (3)
13	327 912 R3	GUIDE, safety lock	41	355 966 R1	RING, 7/16 x 5/8 x 3/32" transmission selector valve manifold sealing (6)
14	616 270 C1	PIN, safety lock	42	624 598 C1	MANIFOLD
15	327 910 R2	SHAFT, safety lock pivot	43	656 126 C1 616 268 C1 103 320	MANIFOLD, pilot to junction BOLT, 5/16 x 7/8" (3) WASHER, 5/16" lock (3)
16	331 953 R2	SPRING, safety lock	44	355 967 R1	RING, pilot valve sealing
17	656 142 C1 103 026 103 321 115 549	END, control lever base rod NUT, 3/8" WASHER, 3/8" lock WASHER, 3/8" int tooth lock	45	352 219 R1	RING, pilot valve sealing (7)
18	656 141 C1	BAR, rod end connector	46		VALVE, transmission pilot control (For components see list of parts under details of "PILOT CONTROL VALVE")
19	103 321	WASHER, 3/8" lock (2)	47	617 113 C1	SPACER, valve mounting
20	103 026	NUT, 3/8" (2)			
21	656 132 C1	SLEEVE, pilot control valve spool (2)			
22	656 140 C1	END, pilot valve spool rod			
23	20 692 R1	SCREW, 3/8 x 2" hex-hd cap (type 8)			
24	656 133 C1 179 856 179 859 103 322	BRACKET, pilot clutch lever SCREW, 7/16 x 3/4" hex-hd cap SCREW, 7/16 x 1-1/8" hex-hd cap WASHER, 7/16" lock (2)			
25	656 135 C1	SHAFT, clutch lever			
26	611 361 R91	PACKAGE, lever to clutch valve connecting link			
27	656 134 C1	LEVER, clutch valve			
28		VALVE, master clutch control (For components see list of parts under details of "CLUTCH CONTROL VALVE")			

TRANSMISSION

TRANSMISSION CONTROL PIPING AND RELATED PARTS
(Manual Shift Custom)

TRANSMISSION CONTROL PIPING AND RELATED PARTS
- Continued
(Manual Shift Custom)



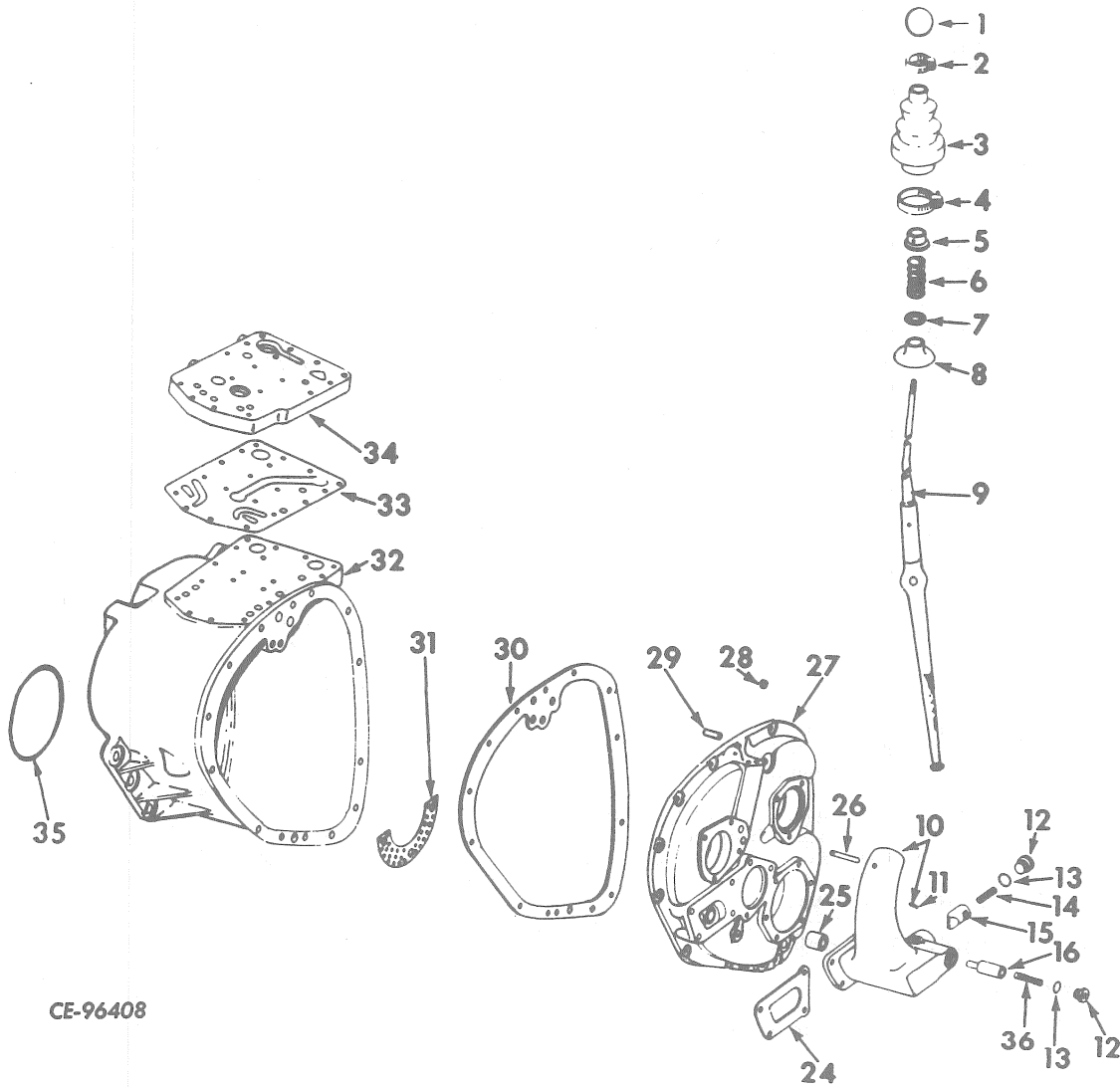
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TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION CONTROL PIPING AND RELATED PARTS - Continued (Manual Shift Custom)			TRANSMISSION CONTROL PIPING AND RELATED PARTS - Continued (Manual Shift Custom)		
1	347 802 R91	HOSE w/FITTINGS, manifold "M" port to pressure filter	25	915 500 R1	SLEEVE, 1/4" tube (2)
2		MANIFOLD (Listed and illustrated w/ "TRANSMISSION CONTROL TOWER AND RELATED PARTS")	26	915 499 R1	NUT, 1/4" tube (2)
3	656 154 C1	HOSE w/FITTINGS, manifold "C" to clutch tee	27	657 506 C1	TUBE, pilot main
4	444 619	PLUG, 1/4" pipe (in manifold "D" port)	28	606 885 C1	CONNECTOR, range selector "M" port
5	317 767 R91	FITTING, male pipe (8)	29	317 767 R91	FITTING, male pipe (2)
6	625 899 C91	HOSE w/two FITTING, 317 767 R91 (ports R1, F1, F2, and F3) (HOSE, 3/16" ID x 30" long including FITTINGS) (4)	30	619 686 C91	HOSE w/two FITTING, 317 767 R91 range selector "CM" port to clutch tee (HOSE, 3/16" ID x 36" long including FITTINGS)
6		HOSE w/o FITTINGS, cut length 3/16" ID x 28" long cut from bulk hose 319 705 R1	30		HOSE w/o FITTINGS, cut length 3/16" ID x 34" long cut from bulk HOSE, 319 705 R1
7	625 622 C91	HOSE w/two FITTING, 316 309 C91 manifold "D" to rear frame vent tee (HOSE, 13/32" ID x 34" long including FITTINGS)	31	265 024 R1	ELBOW, regulator to "RC" port tube (2)
7		HOSE w/o FITTINGS, cut length 13/32" ID x 31-1/2" long cut from bulk HOSE, 319 708 R1	32	265 066 R1	SLEEVE, 1/2" tube (2)
8	316 309 C91	FITTING, male pipe (2)	33	265 067 R1	NUT, 1/2" tube (2)
9	627 133 C91	HOSE w/FITTING, 316 309 C91 and FITTING, 317 808 R91, manifold "P" to range selector "M" (HOSE, 13/32" ID x 31" long including FITTINGS)	34	657 508 C1	TUBE, regulator to "RC" port on range selector
9		HOSE w/o FITTINGS, cut length 13/32" ID x 28-1/4" long cut from bulk HOSE, 319 708 R1	35	316 397 R1	CLIP, hi-lo range hose (on input flange)
10	316 309 C91	FITTING, male pipe	36	307 858 R1	ELBOW, neutral hose (in hi-lo shifter housing)
11	317 808 R91	FITTING, 90° female swivel	37		VALVE, range selector (for components see list of parts under details of "RANGE SELECTOR VALVE")
12	327 273 R91	STRAP, hose (4)	38	656 156 C1	HOSE w/FITTINGS, range selector "R" to hi-lo housing
13	307 989 R91	ELBOW, range selector valve (5/16" x 45°) (6)	263 717 R1		CLIP, "N" to hi-lo hose (on transmission input shaft housing bolt)
14	444 613	PLUG, in "C" port in RANGE SELECTOR VALVE	39	317 912 R91	FITTING, male pipe
15	9 402 709	CONNECTOR, 1/2" tube (in cross)	40	627 446 C91	HOSE w/FITTING, 317 912 R91 and FITTING, 317 808 R91, range selector valve to clutch lube (HOSE, 13/32" ID x 36" long including FITTINGS)
16	111 594	CROSS, 3/8" NPT	40		HOSE w/o FITTINGS, cut length 13/32" ID x 33" long cut from bulk hose 319 708 R1
17	265 026 R1	CONNECTOR, transmission tee to cross tube (2)	41	317 808 R91	FITTING, 90° female swivel
18	265 067 R1	SLEEVE, 1/2" tube (2)	42	9 402 709	CONNECTOR, range selector valve "C" port for clutch
19	265 066 R1	NUT, 1/2" tube (2)	43	603 880 C91	ELBOW, 3/8" swivel ("M" port to cross)
20	657 510 C1	TUBE, transmission tee to cross	44	443 980	NIPPLE, range selector valve "M" port main pressure to clutch valve (3/8" NPT)
21	115 224	BUSHING, 3/8 x 3/8" reducer (at transmission inlet tee)	319 705 R1		HOSE, 3/16" bulk (x)
22	657 509 C1	TEE, transmission inlet from booster	319 708 R1		HOSE, 13/32" bulk (x)
23	119 933	BUSHING, 3/8 x 1/8" (in cross for pilot tube elbow)			
24	319 615 R1	ELBOW, pilot tube			(x) - As Required.

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HIGH-LOW SHIFTER LEVER, TRANSMISSION CASE AND COVER (Manual Shift Custom)			HIGH-LOW SHIFTER LEVER, TRANSMISSION CASE AND COVER - Continued (Manual Shift Custom)		



CE-96408

624 596 C91	TRANSMISSION ASSY (Consists of all parts listed under "Transmission" except "Hydraulic Transmission Controls and Related Parts")	6	252 844 R1	SPRING, swivel cap
20 833 R1	BOLT, mounting (6)	7	256 141 R1	WASHER, swivel cap spring
179 847	SCREW, 3/8 x 2" hex-hd cap (transmission selector valve manifold) (2)	8	325 028 R1	CAP, shifter swivel
103 321	WASHER, 3/8" lock (transmission selector valve manifold) (2)	9	334 724 R1	LEVER, high low shifter
1	264 055 R2 BALL, shifter lever	10	334 708 R11	HOUSING w/PIN, 141 152, high low shifter
2	252 977 R91 CLAMP, shifter lever boot upper		179 860	SCREW, 7/16 x 1-1/4" hex-hd cap (4)
3	325 029 R1 BOOT, high low shifter lever		103 322	WASHER, 7/16" lock (4)
4	274 088 R91 CLAMP, shifter lever boot lower	11	141 152	PIN, 3/16 x 9/16" dowel
5	252 852 R1 STOP, swivel cap spring	12	18 524 R1	PLUG, 1-1/4" sq-soc (2)
104 076	RIVET, 3/16 x 1-5/8"	13	142 756	GASKET, 1-1/4" annular (2)
		14	269 908 R1	SPRING, poppet

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION
HIGH-LOW SHIFTER LEVER, TRANSMISSION CASE AND COVER - Continued (Manual Shift Custom)		
15	325 026 R2	POPPET, high low shifter
16	325 027 R1	LOCK, poppet
24	325 647 R1	GASKET, high low shifter housing
25	298 401 R1	BUSHING, high low shifter shaft (2)
26	306 025 R2	SHAFT, shifter lever
27	331 776 R21	COVER ASSEMBLY, transmission (Composed of -
	1	BUSHING 298 401 R1
	§ 1	COVER
	2	DOWEL 125 860
	2	PLUG 444 873
	1	PLUG 273 469
		7/16" NUT (12)
273 469		PLUG, 3/4" pipe
179 864		SCREW, 7/16 x 1-3/4" hex-hd cap (9)
103 322		WASHER, 7/16" lock (12)
179 861		SCREW, 7/16 x 1-3/8" hex-hd cap (3)
271 500		NUT, 7/16" (9)
28	444 873	PLUG, 1/2" hex-soc-hd pipe (cd or zn pltd) (2)
29	125 860	DOWEL, 3/4 x 1-1/2" (2)
30	334 709 R2	GASKET, transmission cover
31	325 616 R1	SCREEN, transmission case oil return
15 210 D		SCREW, 3/8 x 3/4" hex-hd cap (3)
		WASHER, 3/8" lock (3)
		WASHER, 13/32 x 13/16" x 1699. (3)
32	334 706 R21	CASE ASSY, transmission (Composed of -
	1	BUSHING 298 401 R1
	§ 1	CASE
	2	PLUG 273 469
	4	PLUG 444 873
	1	SCREEN 325 616 R1)
444 873		PLUG, 1/2" hex-soc-hd pipe (cd or zn-pltd) (4)
273 469		PLUG, 3/4" NPT (2)
33	616 302 C1	GASKET, hydraulic valve spacer
34	616 301 C1	SPACER, hydraulic valve
617 028 C1		BOLT, spacer (8)
103 320		WASHER, 5/16" lock (8)
35	610 418 C1	"O" RING, transmission case lower (8-1/2 x 9 x 1/4")
36	302 426 R1	SPRING, poppet lock
278 026 R1		WIRE, bulk locking (14 ga.) (Customer must specify length required) (x)

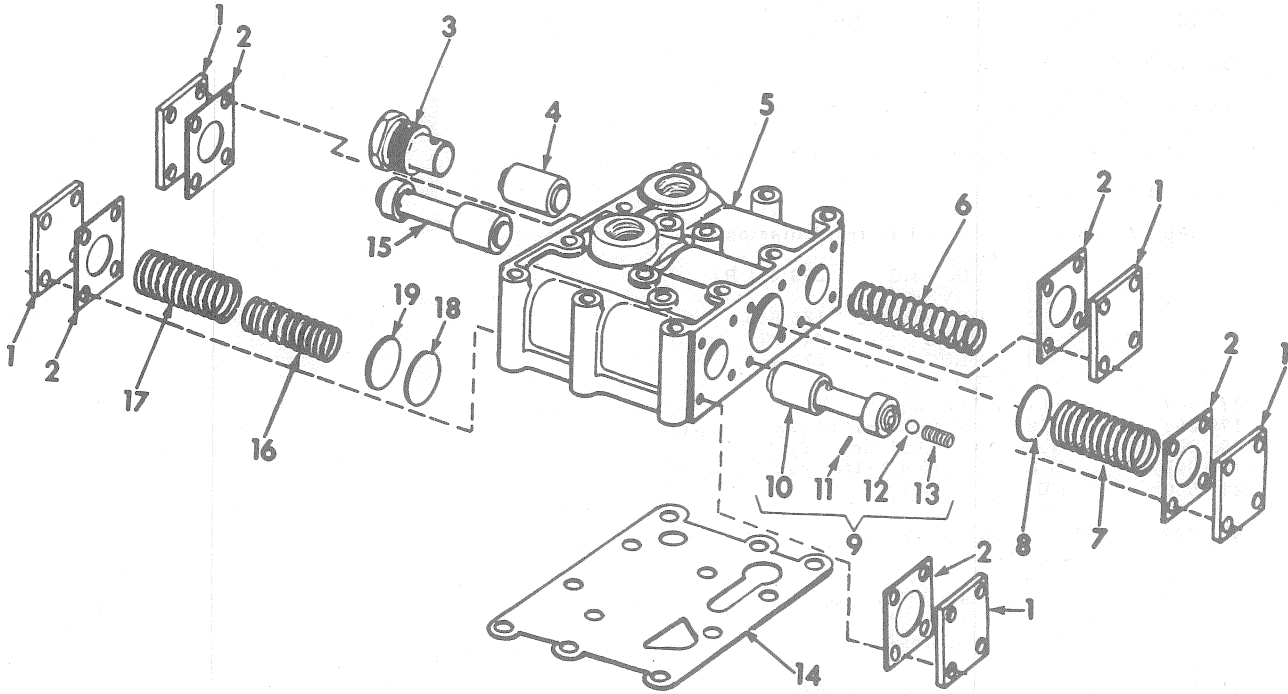
(x) - As Required.

§ - Not Furnished Separately.

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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**MAIN REGULATOR VALVE
(Rockford)**
(Manual Shift Custom)

**MAIN REGULATOR VALVE - Continued
(Rockford)**
(Manual Shift Custom)



IPA-66252 H

656 127 C91	VALVE ASSY, main regulator (includes Refs 1 to 19 and PLUG 444 613 except Ref 14)	10	VALVE, main spool (Not Furnished Separately)
186 288	3/8 x 4-1/2" hex-hd cap SCREW (11)	11	20 139 R1 PIN, main spool valve
103 321	3/8" lock WASHER (11)	12	346 509 R1 BALL, main spool valve
1	321 991 R1 COVER, valve (5) 5/16 x 3/4" hex-hd cap SCREW w/lock WASHER (20)	13	347 243 R1 SPRING, main spool valve
2	321 992 R1 GASKET, valve cover (5)	14	325 040 R2 GASKET, main valve body (not furnished as part of main regulator valve)
3	343 556 R1 PLUG	15	321 998 R1 VALVE, by-pass
4	321 994 R1 VALVE, lubricating pressure regulator	16	324 299 R1 SPRING, main pressure regulator (inner)
5	BODY, main regulator valve (Not Furnished Separately)	17	606 512 C1 SPRING, main regulator
6	336 103 R1 SPRING, lubricating valve	18	606 506 C1 WASHER, spring (x)
7	610 703 C1 SPRING, by-pass valve	19	321 997 R1 WASHER, spring (x)
8	321 997 R1 WASHER	444 613	PLUG, 1/8" (NPT) sq-hd pipe (3)
9	338 651 R94 VALVE ASSY, main spool		

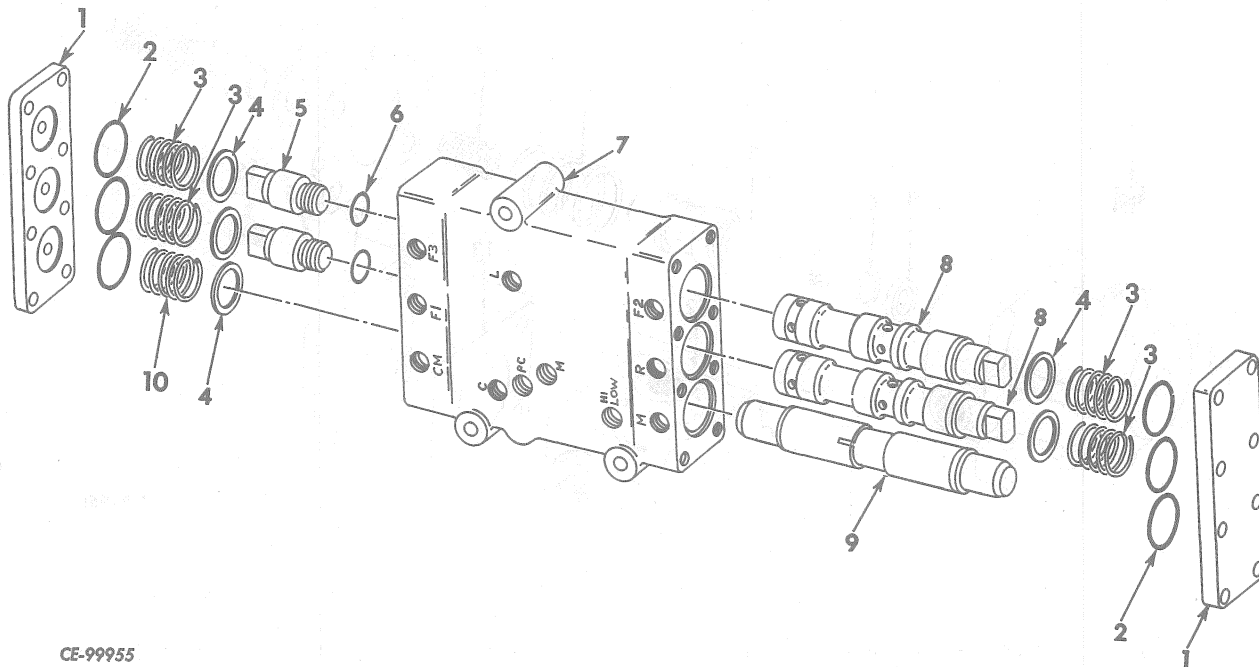
(x) - As Required.

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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RANGE SELECTOR VALVE
(Manual Shift Custom)

RANGE SELECTOR VALVE - Continued
(Manual Shift Custom)

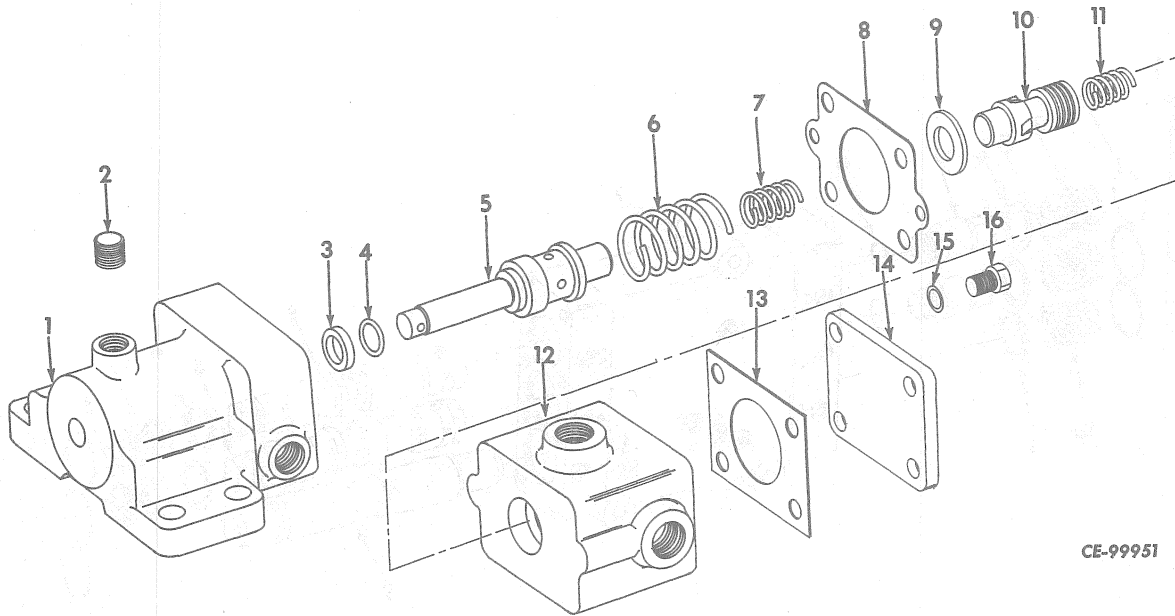


CE-99955

656 108 C91	VALVE ASSY, range selector	5	617 239 C1	PLUG, spool (2)
179 849	SCREW, 3/8 x 2-1/2" hex-hd cap (3)	6	369 751 R1	"O" RING, .351 x .495 x .072 (2)
103 321	WASHER, 3/8" lock (3) (Composed of -	7		BODY, valve (Not furnished separately)
1	617 242 C1 COVER, end (2)	8		SPOOL, forward and reverse (Not furnished separately)
	179 817 SCREW, 5/16 x 7/8" hex-hd cap (16)	9		SPOOL, lube (Not furnished separately)
	103 320 WASHER, 5/16" lock (16)	10	656 111 C1	SPRING, lub
2	370 943 R1 "O" RING, 1-1/8 x 1-1/4" x 1/16" (6)			
3	617 240 C1 SPRING, spool centering (4)			
4	617 241 C1 SPACER, spring (5)			

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CLUTCH CONTROL VALVE (Manual Shift Custom)			CLUTCH CONTROL VALVE - Continued (Manual Shift Custom)		

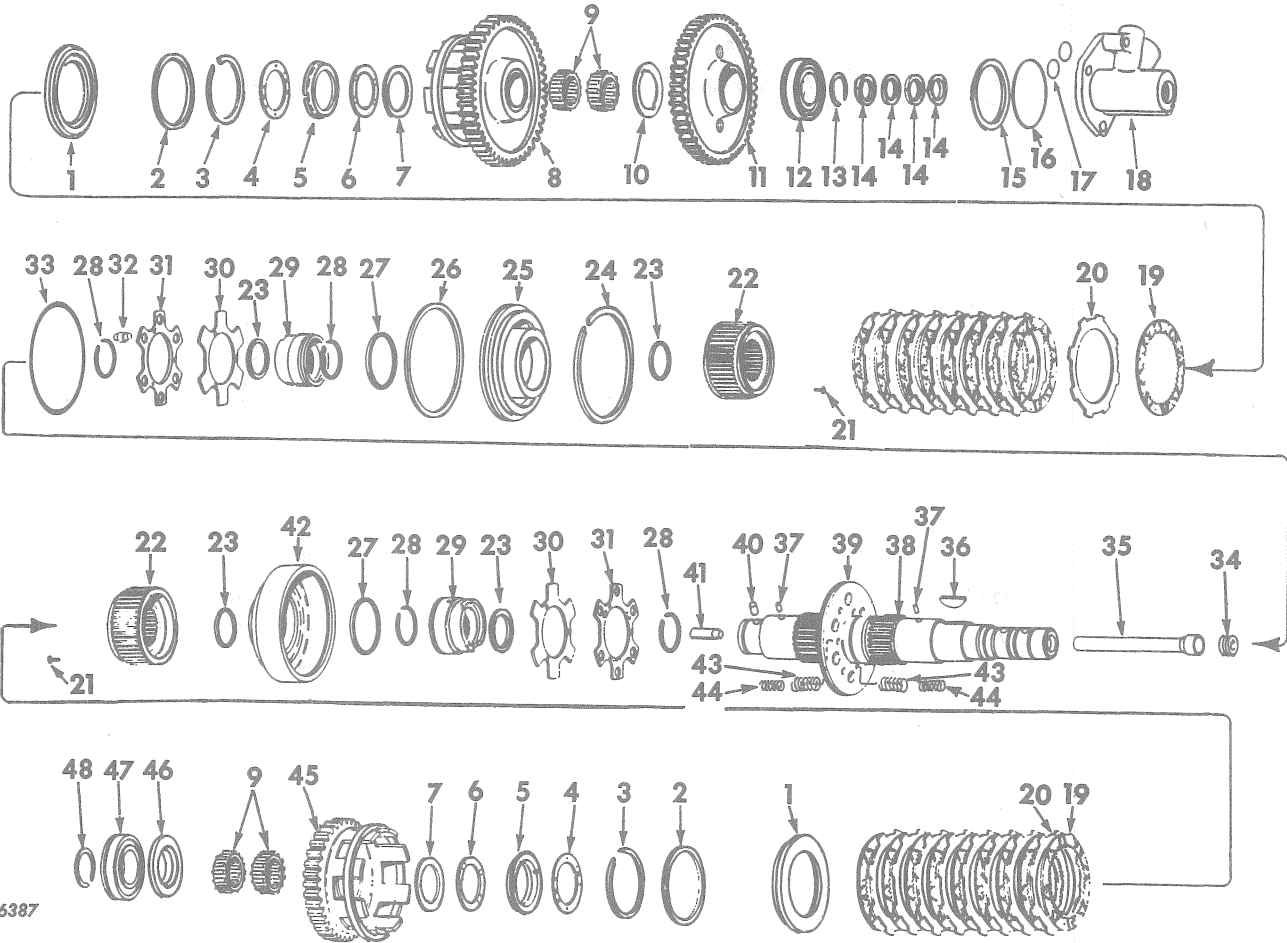


CE-99951

656 036 C91	VALVE, master clutch control	8	656 044 C1	GASKET, valve housing to body	
102 635	NUT, 3/8" (3)	9	575 812 R1	WASHER, spring retainer	
179 840	SCREW, 3/8 x 1-1/8" hex-hd cap (3)	10	656 045 C1	SPOOL, clutch valve	
103 321	WASHER, 3/8" lock (3) (Composed of -	11	296 735 R1	SPRING, spool back up	
1	656 037 C1	HOUSING, clutch valve	12	656 046 C1	BODY, valve
2	444 688 C1	PLUG, 1/8" hex soc pipe	13	321 992 R1	GASKET, cover
3	625 421 C91	SEAL, actuating shaft	14	656 039 C1	COVER, valve end
4	350 429 R1	RING, actuating shaft sealing	15	103 320	WASHER, 5/16" lock (4)
5	656 040 C1	SHAFT, valve actuating	16	426 444	SCREW, 5/16 x 3-1/4" hex-hd cap (4)
6	656 043 C1	SPRING, shaft return outer			
7	656 042 C1	SPRING, shaft return inner			

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
FIRST AND REVERSE SPEED CLUTCH PACK AND RELATED PARTS (Manual Shift Custom)			FIRST AND REVERSE SPEED CLUTCH PACK AND RELATED PARTS - Continued (Manual Shift Custom)		



CE-96387

1	627 374 C1	PLATE, locking	11	654 033 C1	GEAR, input driven
2	627 398 C1	RING, snap (internal) (2)	12	327 067 R91	BEARING, clutch shaft front
3	627 397 C1	RING, snap (external) (2)	13	327 068 R1	RING, clutch shaft front bearing snap
4	324 480 R2	RETAINER, clutch hub (4)	14	325 059 R1	RING, clutch shaft sealing (4)
5	610 803 C1	SPACER, clutch (2)	15	345 835 R1	SHIM, clutch shaft (heavy)
6	610 804 C1	WASHER, thrust (2)	15	345 834 R1	SHIM, clutch shaft (medium)
7	610 802 C1	SPACER, washer	16	354 836 R1	RING, clutch shaft hydraulic manifold sealing (3-1/4 x 3-1/2 x 1/8")
8	625 870 C91	GEAR, clutch - first speed drive	17	369 908 R1	RING, clutch shaft hydraulic manifold sealing (small) (2)
9	610 766 C91	BEARING, roller (4)			
10	611 260 C1	WASHER, first gear thrust			

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
FIRST AND REVERSE SPEED CLUTCH PACK AND RELATED PARTS - Continued (Manual Shift Custom)			FIRST AND REVERSE SPEED CLUTCH PACK AND RELATED PARTS - Continued (Manual Shift Custom)		
18	654 035 C2 444 698	MANIFOLD, clutch shaft hydraulic PLUG, 3/8" hex-soc pipe (cd or zn-pltd) (2)	48	327 058 R1	RING, reverse clutch shaft rear bearing snap
	179 860	SCREW, 7/16 x 1-1/4" hex-hd cap (2)	627 372 C91	HUB, clutch (2)	
	179 867	SCREW, 7/16 x 2-1/4" hex-hd cap		(Consists of -	
	179 872	SCREW, 7/16 x 3-1/2" hex-hd cap		1 HUB	627 373 C1
	103 322	WASHER, 7/16" lock (4)		1 PLATE	627 374 C1
19	702 962 C1	PLATE, internal splined (18)		1 RING	627 397 C1
20	327 174 R1	PLATE, external splined (16)		1 RING	627 398 C1)
21	346 674 R1	BOLT, 5/16NF x 13/32" hex-hd (special) (2)	654 030 C92	PACK ASSY, final clutch (reverse)	
22	627 373 C1	HUB, clutch (2)		(Composed of -	
23	327 157 R2	"O" RING (piston hook type) (4)		4 BEARING	610 766 C91
24	327 166 R1	RING, snap (internal)		4 BOLT	346 674 R1
25	327 162 R1	PISTON, clutch		2 DISC	625 868 C1
26	327 163 R1	"O" RING, clutch piston		1 GEAR	625 870 C91
27	327 161 R2	"O" RING, (piston) (2)		1 GEAR	625 873 C91
28	327 160 R1	RING, snap (external) (4)		1 HOUSING	327 165 R1
29	625 869 C1	PISTON, accelerating (2)		2 HUB	627 372 C91
30	327 156 R1	VALVE, disc (2)		4 "O" RING	327 157 R2
31	625 868 C1	DISC, reinforcing (2)		2 "O" RING	327 161 R2
32	610 485 C1	PIN, guide (3)		1 "O" RING	327 163 R1
33	327 164 R1	"O" RING		1 "O" RING	327 164 R1
34	347 554 R1	PLUG, 3/4" pipe		3 PIN	610 485 C1
35		TUBE (Not Furnished Separately)		2 PISTON	625 869 C1
36	20 020 D	KEY, input driven gear		1 PISTON	327 162 R1
37	17 164 R1	PIN, clutch shaft roll (2)		18 PLATE	702 962 C1
38	625 871 C91	SHAFT ASSY, clutch (Composed of -		16 PLATE	327 174 R1
		1 PIN		4 RETAINER	324 480 R2
		2 PIN		2 RING	327 160 R1
		1 PLATE		1 RING	327 166 R1
		1 PLUG		1 SHAFT	625 871 C91
		2 RING		2 SPACER	610 803 C1
		§ 1 SHAFT		2 SPACER	610 802 C1
39	625 867 C1	PLATE, separator		6 SPRING	625 662 C1
40	141 128	PIN, clutch shaft dowel		6 SPRING	625 663 C1
41	625 865 C1	PIN, dowel		2 VALVE	327 156 R1
42	327 165 R1	HOUSING, piston		2 WASHER	610 804 C1)
43	625 662 C1	SPRING, compression (outer) (6)			
44	625 663 C1	SPRING, compression (inner) (6)			
45	625 873 C91	GEAR, clutch (reverse speed drive)			
46	611 259 C1	WASHER, first gear thrust			
47	272 976 R91	BEARING, reverse clutch shaft rear			

§ - Not Furnished Separately.

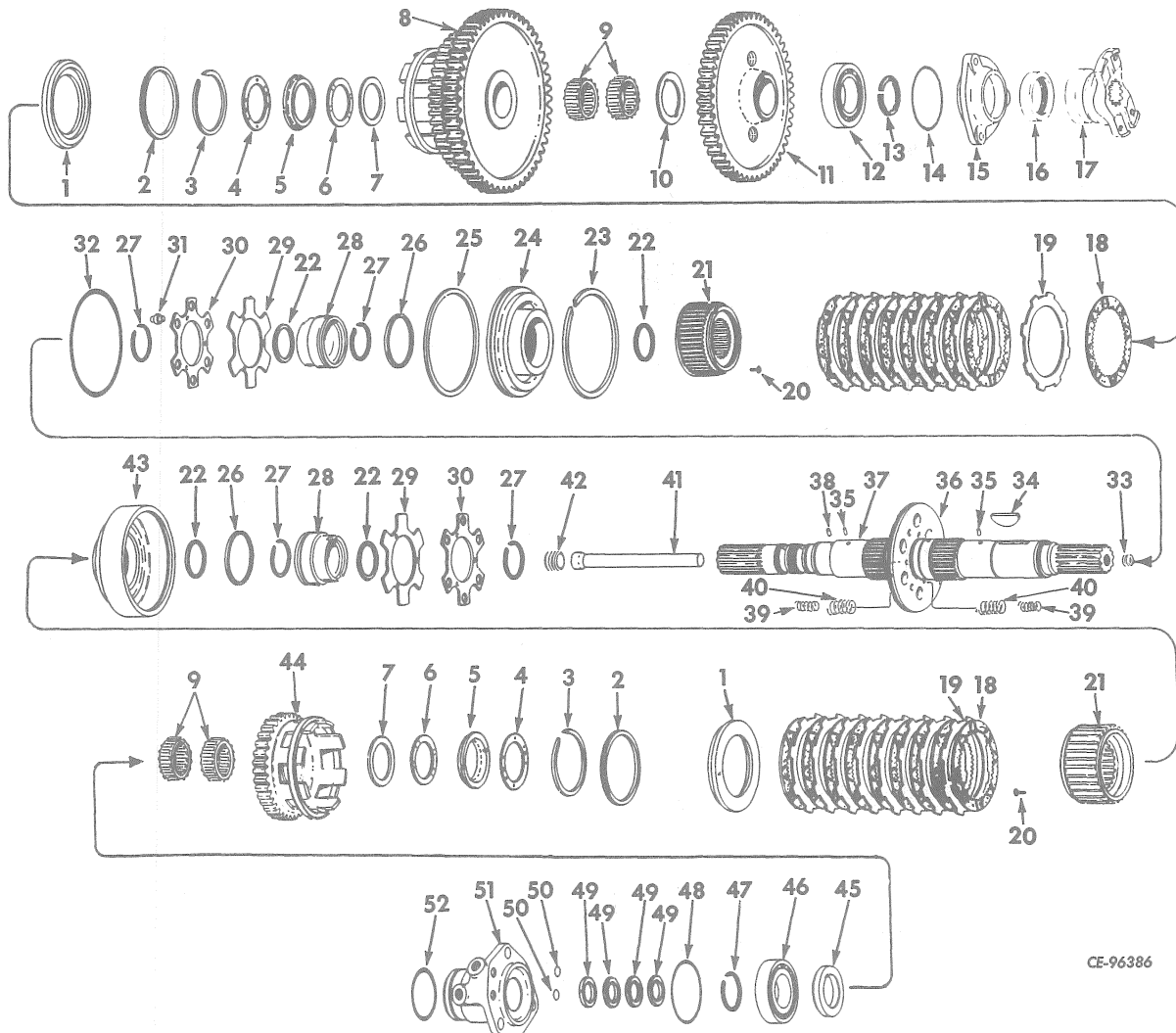
MEMORANDA

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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SECOND AND THIRD SPEED CLUTCH PACK AND RELATED PARTS
(Rockford)
(Manual Shift Custom)

SECOND AND THIRD SPEED CLUTCH PACK AND RELATED PARTS - Continued
(Rockford)
(Manual Shift Custom)



CE-96386

1	627 374 C1	PLATE, backing	13	327 063 R1	RING, forward clutch shaft front bearing snap
2	627 398 C1	RING, snap (internal) (2)	14	257 642 R1	"O" RING, forward clutch shaft oil seal housing (4-1/4 x 4-1/2 x 1/8")
3	627 397 C1	RING, snap (external) (2)	15	609 516 C1	HOUSING, oil seal
4	324 480 R2	RETAINER, clutch hub (4)	179 860	SCREW, 7/16 x 1-1/4" hex-hd cap (3)	
5	610 803 C1	SPACER, clutch (2)	103 322	WASHER, 7/16" lock (3)	
6	610 804 C1	WASHER, thrust (2)	16	619 586 C91	OIL SEAL, clutch shaft
7	610 802 C1	SPACER, washer (2)	17	609 517 C21	YOKE, transmission drive (Not furnished as part of TRANSMISSION ASSY)
8	625 870 C91	GEAR, clutch - second speed drive	18	702 962 C1	PLATE, internal splined (18)
9	610 766 C91	BEARING, roller (4)			
10	611 260 C1	WASHER, second gear thrust			
11	654 027 C1	GEAR, input drive			
12	654 028 C92	BEARING, clutch shaft front			(x) - As Required.

TRANSMISSION

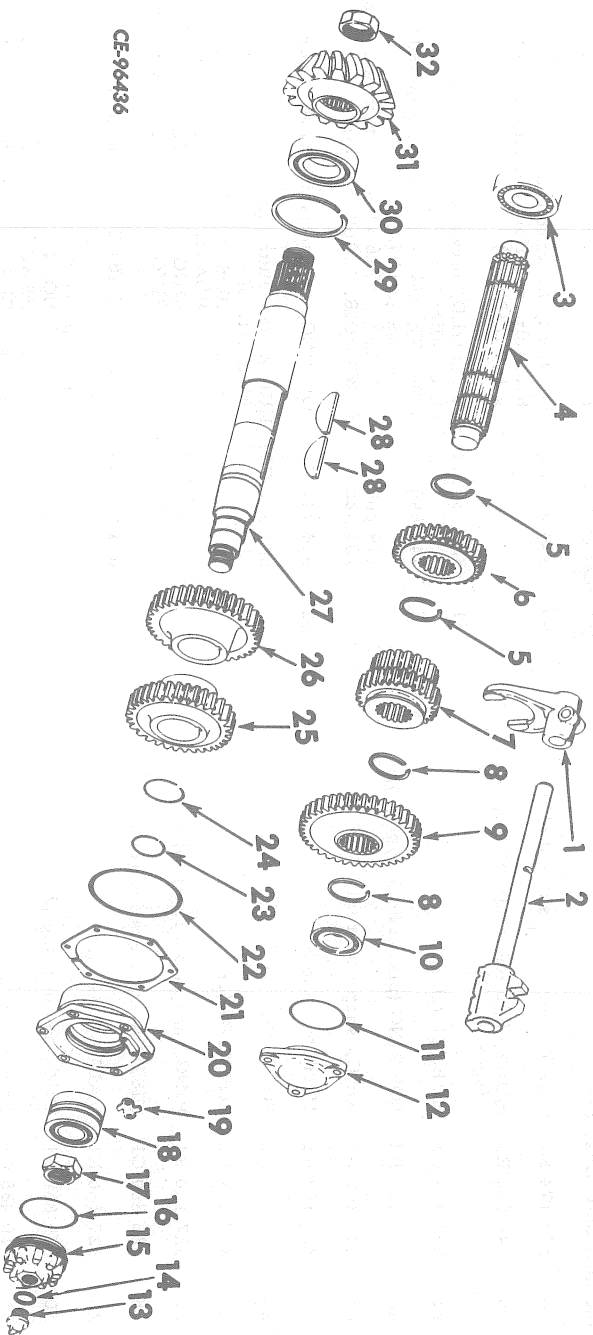
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
SECOND AND THIRD SPEED CLUTCH PACK AND RELATED PARTS - Continued (Rockford) (Manual Shift Custom)			SECOND AND THIRD SPEED CLUTCH PACK AND RELATED PARTS - Continued (Rockford) (Manual Shift Custom)		
19	327 174 R1	PLATE, external splined (16)	50	369 908 R1	"O" RING, forward clutch shaft hydraulic manifold (small) (13/16" x 1 x 3/32") (2)
20	346 674 R1	BOLT, 5/16NF x 13/16" hex-hd (special) (4)	51	325 639 R2	MANIFOLD, forward clutch shaft hydraulic
21	627 373 C1	HUB, clutch (2)	444 698		PLUG, 3/8" hex-soc-hd pipe (cd or zn-pltd) (2)
22	327 157 R2	"O" RING (piston hook type) (4)	179 860		SCREW, 7/16 x 1-1/4" hex-hd cap (3)
23	327 166 R1	RING, snap (internal)	103 322		WASHER, 7/16" lock (3)
24	327 162 R1	PISTON, clutch	52	654 747 C1	"O" RING, transmission case upper
25	327 163 R1	"O" RING	627 372 C91		HUB ASSY, clutch (2)
26	327 161 R2	"O" RING (2)			(Consists of -
27	327 160 R1	RING, snap (external) (4)			1 HUB 627 373 C1
28	625 869 C1	PISTON, accelerating (2)			1 PLATE 627 374 C1
29	327 156 R1	VALVE, disc (2)			1 RING 627 397 C1
30	625 868 C1	DISC, reinforcing (2)			1 RING 627 398 C1)
31	610 485 C1	PIN, guide (3)	654 022 C92		PACK ASSEMBLY, final clutch (forward)
32	327 164 R1	"O" RING			(Composed of -
33	347 553 R1	PLUG, 1/2" pipe			4 BOLT 346 674 R1
34	20 020 D	KEY, input drive gear			4 BEARING 610 766 C91
35	17 164 R1	PIN, forward clutch shaft roll			2 DISC 625 868 C1
36	625 867 C1	PLATE, separator			1 GEAR 625 870 C91
37	625 866 C91	SHAFT ASSY, clutch (Composed of -			1 GEAR 625 872 C91
		1 PLATE 625 867 C1			1 HOUSING 327 165 R1
		2 PIN 17 164 R1			2 HUB 627 372 C91
		1 PLUG 347 553 R1			4 "O" RING 327 157 R2
		1 PLUG 347 554 R1			2 "O" RING 327 161 R2
		2 RING 327 160 R1			1 "O" RING 327 163 R1
		§ 1 SHAFT)			1 "O" RING 327 164 R1
					3 PIN 610 485 C1
38	141 128	PIN, forward clutch shaft dowel			2 PISTON 625 869 C1
39	625 663 C1	SPRING, compression (inner) (6)			1 PISTON 327 162 R1
40	625 662 C1	SPRING, compression (outer) (6)			18 PLATE 702 962 C1
41		TUBE (Not Furnished Separately)			16 PLATE 327 174 R1
42	347 554 R1	PLUG, 3/4" pipe			4 RETAINER 324 480 R2
43	327 165 R1	HOUSING, piston			2 RING 327 160 R1
44	625 872 C91	GEAR, clutch (third speed drive)			1 RING 327 166 R1
45	611 259 C1	WASHER, third gear thrust			1 SHAFT 625 866 C91
46	272 976 R91	BEARING, forward clutch shaft rear			2 SPACER 610 803 C1
47	327 058 R1	RING, forward clutch shaft rear bearing snap			2 SPACER 610 802 C1
48	259 246 R1	"O" RING, forward clutch shaft hydraulic manifold (large) 3-7/8 x 4-1/8 x 1/8")			6 SPRING 625 662 C1
49	327 090 R1	RING, forward clutch shaft rear sealing (4)			6 SPRING 625 663 C1
					2 VALVE 327 156 R1
					2 WASHER 610 804 C1)

§ - Not Furnished Separately.

x - As Required.

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
		BEVEL PINION SHAFT, SPLINE SHAFT AND RELATED PARTS (Manual Shift Custom)			BEVEL PINION SHAFT, SPLINE SHAFT AND RELATED PARTS - Continued (Manual Shift Custom)



CE-96436

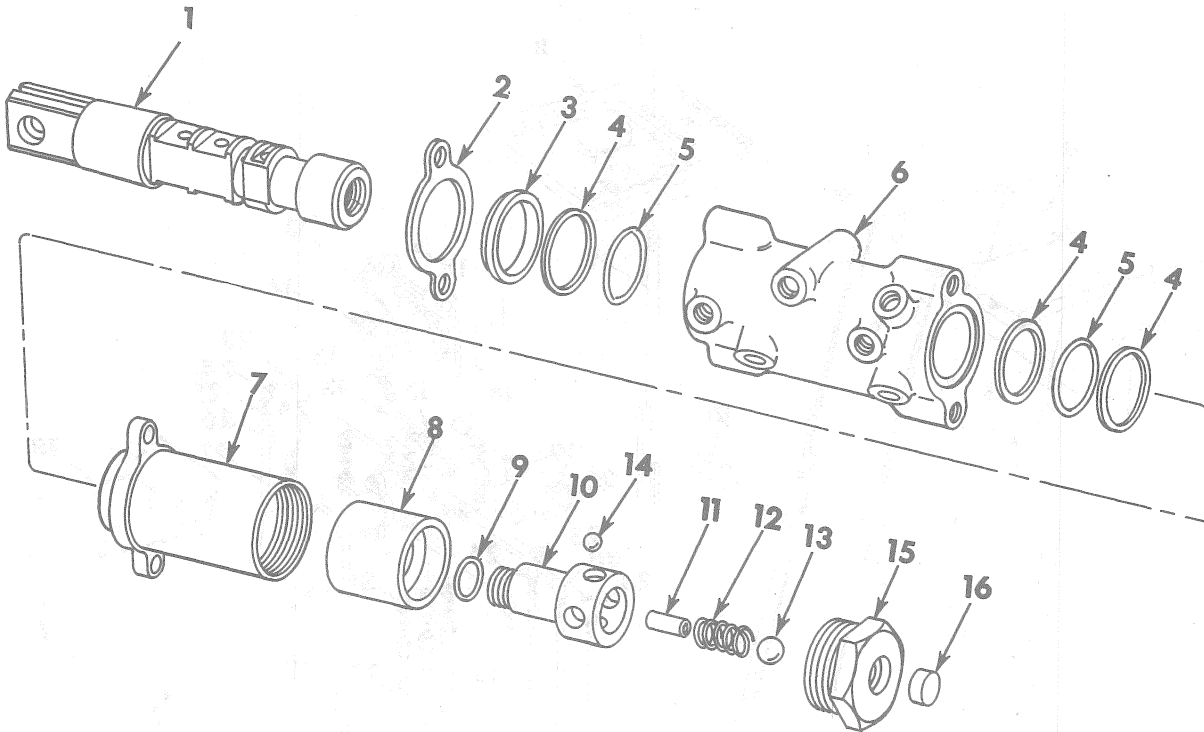
1	654 034 C1 454 522 R1 179 890	FORK, high low shifter NUT, E sna SCREW, 1/2 x 2-1/4" hex-hd cap	19	325 007 R1 179 837 103 321	LOCK, bevel pinion shaft front bearing retainer SCREW, 3/8 x 3/4" hex-hd cap (2) WASHER, 3/8" lock (2)
2	325 648 R11	SHAFT, high low shifter	20	334 716 R2 179 862 103 322	CAGE, pinion shaft bearing SCREW, 7/16 x 1-1/2" hex-hd cap (6) WASHER, 7/16" lock (6)
3	272 146 R91	BEARING, spline shaft rear	21	334 717 R1 334 718 R1 334 719 R1	SHIM, bevel pinion shaft medium (x) SHIM, bevel pinion shaft light (x) SHIM, bevel pinion shaft extra light (x)
4	654 019 C1	SHAFT, spline	22	610 416 C1	"O" RING, bevel pinion shaft bearing cage (5-5/8 x 6-1/8 x 1/4")
5	337 059 R1	RING, first speed driven gear snap (2)	23	286 485 R1	RING, front pinion shaft bearing retaining
6	334 702 R1	GEAR, first speed driven (42T)	24	654 052 C2	RING, high range gear retaining
7	654 021 C1	GEAR, high and low speed driving	25	654 018 C1	GEAR, high range driven
8	327 059 R1	RING, reverse speed driven gear snap (2)	26	654 017 C1	GEAR, low range driven
9	654 020 C1	GEAR, reverse speed driven	27	654 040 C1	SHAFT, bevel pinion
10	272 479 R91	BEARING, spline shaft front	28	12 484 R1	KEY, high and low range driven gear (2)
11	259 246 R1	"O" RING, spline shaft bearing cap (3-3/4 x 4 x 1/8")	29	327 060 R1	RETAINER, rear bearing bevel pinion
12	325 631 R1 179 860 103 322	CAP, spline shaft bearing SCREW, 7/16 x 1-1/4" hex-hd cap (3) WASHER, 7/16" lock (3)	30	327 057 R91	BEARING, pinion gear
13	269 909 R2	PLUG, bevel pinion shaft front bearing retainer	31	325 611 R1	PINION, bevel (*)
14	269 910 R1	GASKET, bevel pinion shaft front bearing retainer plug	32	19 858 R1	NUT, bevel pinion retainer
15	325 626 R1	RETAINER, bevel pinion shaft front bearing		334 087 R1	GEAR, drive bevel (*)
16	610 411 C1	"O" RING, bevel pinion shaft front bearing retainer (3-1/2 x 3-3/4" x 1/8")		325 613 R91	GEAR, 334 087 R1 and PINION, 325 611 R1, drive bevel (matched set) (*)
17	19 754 R1	NUT, bevel pinion shaft front bearing retainer			
18	327 077 R91	BEARING, bevel pinion shaft front			

(*) - Also Listed and Illustrated with "Steering Planetary Drive."

(x) - As Required.

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
PILOT CONTROL VALVE (Power Shift and Side Boom)			PILOT CONTROL VALVE - Continued (Power Shift and Side Boom)		



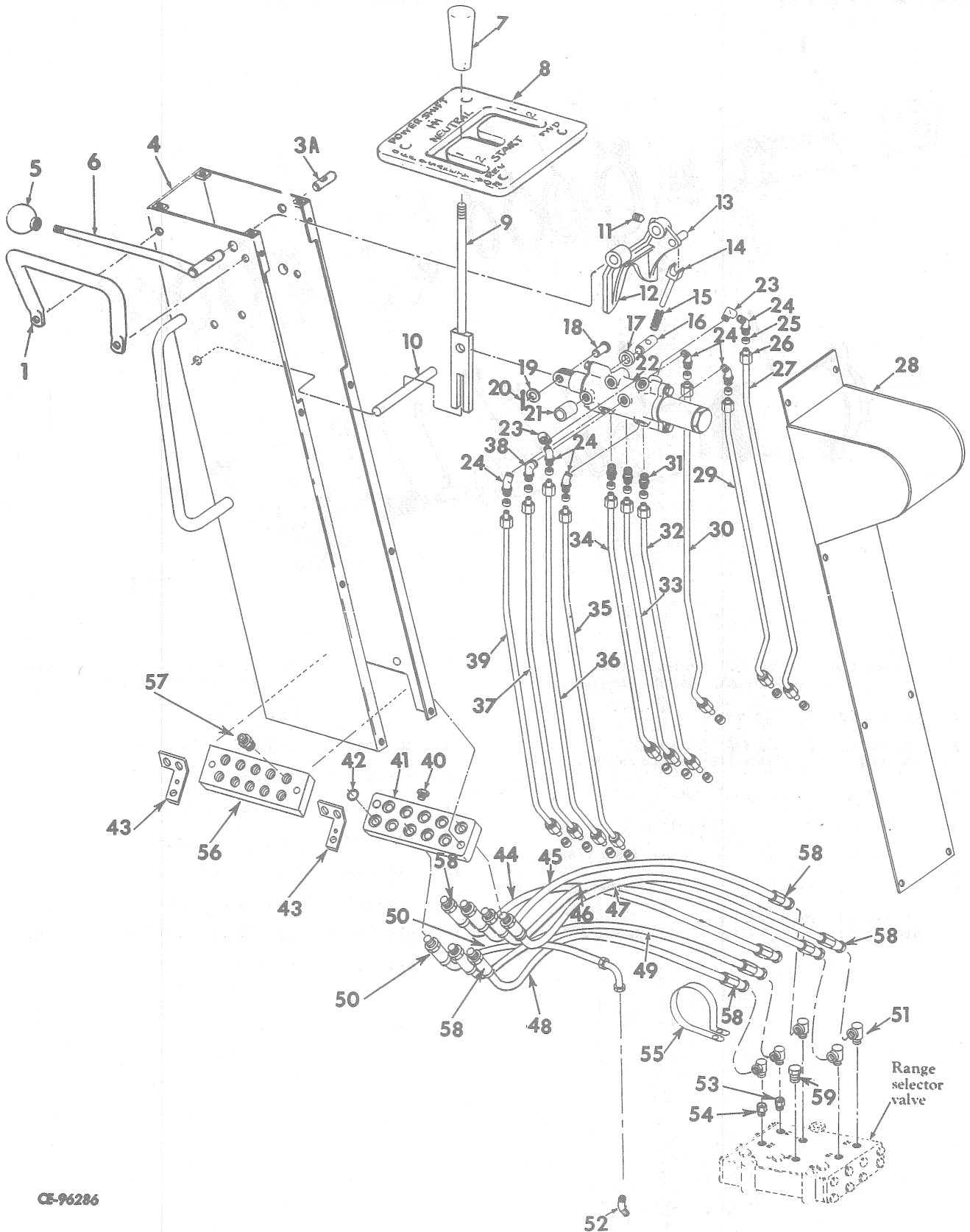
CE-89097

700 030 C92	VALVE ASSY, pilot control (Consists of the following parts -	939 323 R1	SCREW, 5/16 x 7/8" 12 pt. (Optional with BOLT 616 268 C1)
1	617 007 C1 SPOOL, valve	8	617 018 C1 SLEEVE, detent
2	617 051 C1 RETAINER, spool seal 179 814 5/16 x 5/8" hex-hd cap SCREW (2)	9	369 384 R1 "O" RING, .414 x .558 x .072
3	617 020 C1 RING, spool wiper	10	617 016 C1 EXTENSION, valve spool
4	617 522 C1 RING, back-up (3)	11	17 145 R1 PIN, indexing ball stop
5	356 005 R1 "O" RING, 1-1/8 x 1-3/8 x 1/8" (2)	12	624 355 C1 SPRING, indexing
6	BODY, valve (Not Furnished Separately)	13	16 014 R1 BALL, indexing
7	617 046 C1 HOUSING, detent 616 268 C1 BOLT (Optional with SCREW 939 323 R1)	14	16 011 R1 BALL, poppet (4)
		15	616 269 C11 CAP w/PLUG, 376 429 R1, housing
		16	376 429 R1 PLUG, cap

TRANSMISSION

HYDRAULIC TRANSMISSION CONTROLS AND RELATED PARTS
(Power Shift and Side Boom)

HYDRAULIC TRANSMISSION CONTROLS AND RELATED PARTS - Continued
(Power Shift and Side Boom)



CE-96286

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC TRANSMISSION CONTROLS AND RELATED PARTS - Continued (Power Shift and Side Boom)			HYDRAULIC TRANSMISSION CONTROLS AND RELATED PARTS - Continued (Power Shift and Side Boom)		
		TOWER, hydraulic transmission control (Consists of the following parts - except as noted -	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 manifold
1	334 664 R1 103 322 179 858	GUARD, pilot control valve lever 7/16" lock WASHER (2) 7/16 x 1" hex-hd cap SCREW (2)	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 manifold
3A	620 048 C1	SHAFT, safety lock	31	606 885 C1	CONNECTOR, pilot control valve (P, M and L positions) (3)
4	620 366 C1 179 859 103 322	HOUSING, control tower 7/16 x 1-1/8" hex-hd cap SCREW (2) 7/16" lock WASHER (2)	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 manifold
5	307 839 R1	KNOB, safety lock lever	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 manifold
6	700 035 C1	LEVER, safety lock	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 manifold
7	347 768 R1	HANDLE, pilot control valve lever	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 manifold
8	617 258 C1 177 945	GATE, gear shift lever 3/8 x 3/4" flat-hd SCREW (4)	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 manifold
9	700 032 C1	LEVER, pilot control valve	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 manifold
10	617 112 C1 179 837 103 321	PIN, pilot control valve lever pivot 3/8 x 3/4" hex-hd cap SCREW 3/8" lock WASHER	38	319 615 R1	ELBOW, pilot control valve ("N" posi- tion)
11	617 256 C1	SCREW, safety lock lever set (2)	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 manifold
12	700 034 C1	BRACKET w/PIN 616 270 C1, safety lock cam	40	444 613	PLUG, 1/8" sq-hd pipe (in manifold) (*)
13	616 270 C1	PIN, safety lock cam bracket	41	620 369 C1	MANIFOLD, transmission selector valve (*) 3/8 x 1-1/4" hex-hd cap SCREW (2) 3/8" lock WASHER (2)
14	327 912 R3	GUIDE, safety lock spring	42	355 966 R1	"O" RING, 7/16 x 5/8 x 3/32" (*) (10)
15	331 953 R2	SPRING, safety lock	43	620 387 C1 179 795 179 857 103 319 103 322	BRACKET, tower manifold (2) 1/4 x 3/4" hex-hd cap SCREW (2) 7/16 x 7/8" hex-hd cap SCREW (2) 1/4" lock WASHER (2) 7/16" lock WASHER (2)
16	327 910 R2	SHAFT, safety lock pivot	44	347 802 R91	HOSE w/two FITTINGS "M" position on manifold to pressure filter (Hose 3/16" ID x 12" long in- cluding fittings) (*)
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, 1/8 x 3/4" cotter			
21	617 113 C1	SPACER, pilot control valve (4)			
22	700 030 C92 179 844 103 321	VALVE ASSY, pilot control (for components see list of parts under details of "Pilot Control Valve") 3/8 x 1-5/8" hex-hd cap SCREW (4) 3/8" lock WASHER (4)			
23	9 409 931	ELBOW, 1/8 x 90° street (pilot control valve) (R1 and F1 positions) (2)			
24	615 307 C1	ELBOW, pilot control valve (R1, F1, F2, R2, F and R positions) (6)			
25	915 500 R1	SLEEVE, tube (20)			
26	915 499 R1	NUT, tube (20)			
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 manifold			
28	700 037 C1 179 837 103 321	COVER, control tower housing 3/8 x 3/4" hex-hd cap SCREW (8) 3/8" lock WASHER (8)			

(*) - Not part of Tower Assy.

-104-
TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC TRANSMISSION CONTROLS AND RELATED PARTS - Continued (Power Shift and Side Boom)			HYDRAULIC TRANSMISSION CONTROLS AND RELATED PARTS - Continued (Power Shift and Side Boom)		
45	625 899 C91	HOSE w/two FITTINGS 317 767 R91, "L" position on manifold to "L" position on transmission range selector valve (Hose 3/16" ID x 30" long including fittings) (*)	58	317 767 R91	FITTING, male pipe (12)
45		HOSE w/o FITTINGS, cut length 3/16" ID x 28" long cut from bulk hose 319 705 R1 (*)	59	444 613	PLUG, range selector valve (in "M" port)
46	625 899 C91	HOSE w/two FITTINGS 317 767 R91, "R1" position on manifold to "R1" position on transmission range selector valve (Hose 3/16" ID x 30" long including fittings) (*)	327 273 R91		STRAP, hose (*) (2)
46		HOSE w/o FITTINGS, cut length 3/16" ID x 28" long cut from bulk hose 319 705 R1 (*)	319 705 R1		HOSE, 3/16" bulk (x) (*)
47	625 899 C91	HOSE w/two FITTINGS 317 767 R91, "F2" position on manifold to "F2" position on transmission range selector valve (Hose 3/16" ID x 30" long including fittings) (*)			
47		HOSE w/o FITTINGS cut length 3/16" ID x 28" long cut from bulk hose 319 705 R1 (*)			
48	625 899 C91	HOSE, w/two FITTINGS 317 767 R91, "R2" position on manifold to "R2" position on transmission range selector valve (Hose 3/16" ID x 30" long including fittings) (*)			
48		HOSE, w/o FITTINGS length 3/16" ID x 28" long cut from bulk hose 319 705 R1 (*)			
49	625 899 C91	HOSE, w/two FITTINGS 317 767 R91, "F1" position on manifold to "F1" position on transmission range selector valve (Hose 3/16" ID x 30" long including fittings) (*)			
49		HOSE w/o FITTINGS cut length 3/16" ID x 28" long cut from bulk hose 319 705 R1 (*)			
50	619 687 C1	HOSE w/FITTINGS, "N" position on manifold-to-hi-lo shifter housing on transmission (*)			
51	307 989 R91	ELBOW, range selector valve (5/16" x 45°) (*) (5)			
52	307 858 R1	ELBOW, neutral hose (in hi-lo shifter housing) (*)			
53	443 998	ADAPTER, range selector valve (in "F1" port)			
54	443 998	ADAPTER, range selector valve (in "R1" and "F2" port) (2)			
55	308 872 R1	CLAMP, hose (regular valve spacer mounting bolt)			
56	620 368 C1	MANIFOLD, tower			(*) - Not part of Tower Assy.
57	606 885 C1	CONNECTOR, tower manifold (10)			(x) - Order Cut Length As Required.

MEMORANDA

TRANSMISSION

REF. PART
NO. NUMBER

DESCRIPTION

HIGH-LOW SHIFTER LEVER, TRANSMISSION CASE AND COVER

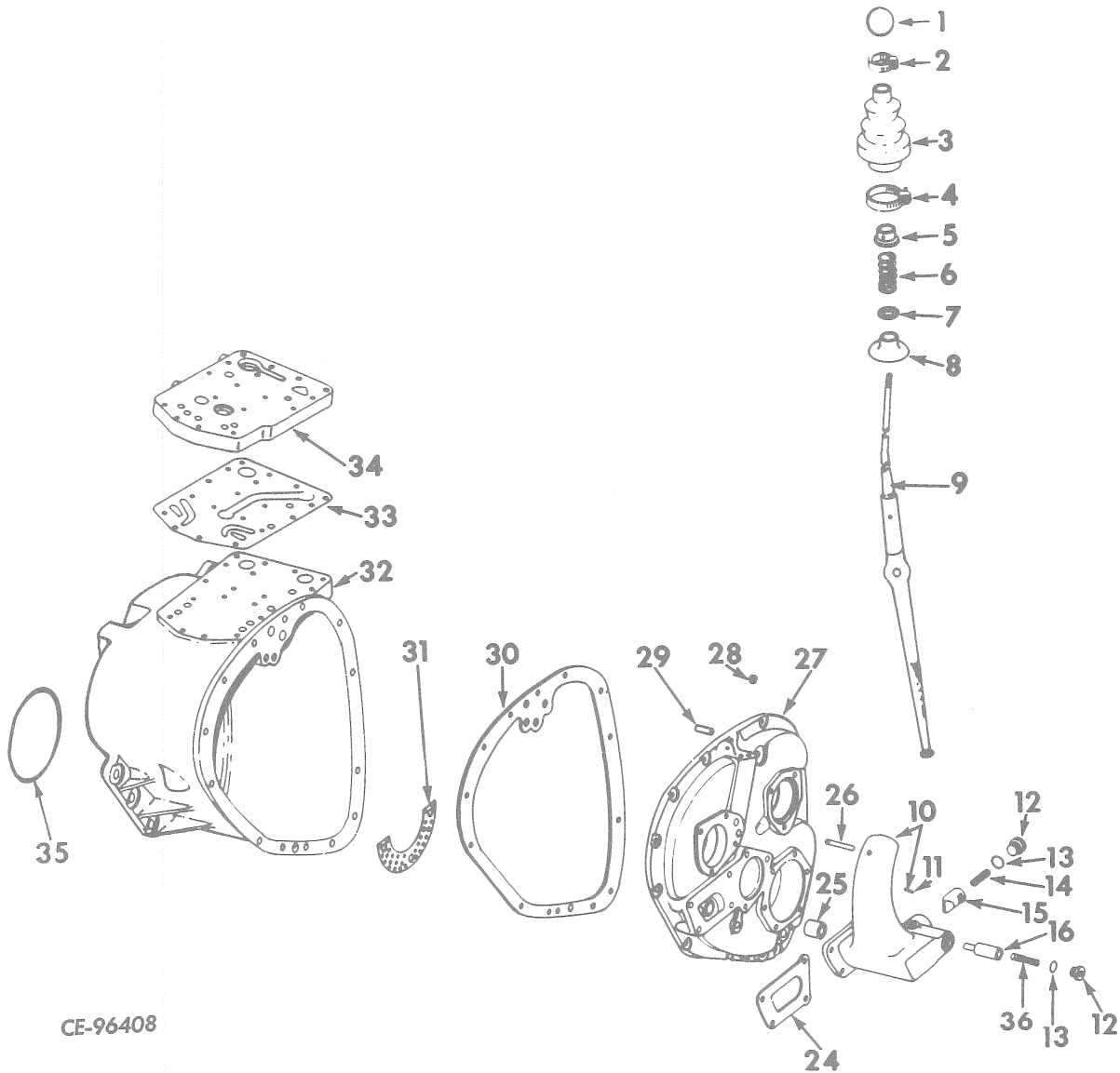
(Power Shift and Side Boom)

REF. PART
NO. NUMBER

DESCRIPTION

HIGH-LOW SHIFTER LEVER, TRANSMISSION CASE AND COVER - Continued

(Power Shift and Side Boom)



CE-96408

624 575 C91	TRANSMISSION ASSY (Consists of all parts listed under "Transmission" except "Hydraulic Transmission Controls and Related Parts" and "Pilot Control Valve" (Not for sideboom crawler tractors)	4	274 088 R91	CLAMP, shifter lever boot lower
20 833 R1	BOLT, mounting (6)	5	252 852 R1 104 076	STOP, swivel cap spring RIVET, 3/16 x 1-5/8"
624 577 C91	TRANSMISSION ASSY (Consists of all parts listed under "Transmission" except "Hydraulic Transmission Control and Related Parts" and "Pilot Control Valve" (For sideboom crawler tractors)	6	252 844 R1	SPRING, swivel cap
20 833 R1	BOLT, mounting (6)	7	256 141 R1	WASHER, swivel cap spring
1	264 055 R2	8	325 028 R1	CAP, shifter swivel
2	252 977 R91	9	334 724 R1	LEVER, high low shifter
3	325 029 R1	10	334 708 R11	HOUSING w/PIN 141 152, high low shifter
			179 860	7/16 x 1-1/4" hex-hd cap SCREW (4)
			103 322	7/16" lock WASHER (4)
		11	141 152	PIN, 3/16 x 9/16" dowel
		12	18 524 R1	PLUG, 1-1/4" sq-soc (2)

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION
HIGH-LOW SHIFTER LEVER, TRANSMISSION CASE AND COVER - Continued (Power Shift and Side Boom)		
13	142 756	GASKET, 1-1/4" annular (2)
14	269 908 R1	SPRING, poppet
15	325 026 R2	POPPET, high low shifter
16	325 027 R1	LOCK, poppet
24	325 647 R1	GASKET, high low shifter housing
25	298 401 R1	BUSHING, high low shifter shaft (2)
26	306 025 R2	SHAFT, shifter lever
27	331 776 R21	COVER ASSEMBLY, transmission (Composed of -
	1	BUSHING 298 401 R1
	§1	COVER
	2	DOWEL 125 860
	2	PLUG 444 873
	1	PLUG 273 469
	271 500	7/16" NUT (12)
	273 469	PLUG, 3/4" pipe
	179 864	7/16 x 1-3/4" hex-hd cap SCREW (12)
	103 322	7/16" lock WASHER (2)
28	444 873	PLUG, 1/2" hex-soc-hd pipe (cd or zn pltd) (2)
29	125 860	DOWEL, 3/4 x 1-1/2" (2)
30	334 709 R2	GASKET, transmission cover
31	325 616 R1	SCREEN, transmission case oil return # and below
	15 210 D	SCREW, 3/8 x 3/4" hex-hd cap (3)
	103 321	WASHER, 3/8" lock
	103 341	WASHER, 13/32" x 13/16" x 1699 (3)
32	334 706 R21	CASE ASSY, transmission (Composed of -
	1	BUSHING 298 401 R1
	§ 1	CASE
	2	PLUG 273 469
	4	PLUG 444 873
	1	SCREEN 325 616 R1)
	273 469	PLUG, 3/4" NPT (2)
33	616 302 C1	GASKET, hydraulic valve spacer
34	616 301 C1	SPACER, hydraulic valve
	617 028 C1	BOLT, spacer (8)
	103 320	5/16" lock WASHER (8)
35	654 749 C1	"O" RING, transmission case lower sealing(8-5/8" x 9-1/8" x 1/4")
36	302 426 R1	SPRING, poppet lock
	656 127 C91	VALVE, main regulator (for components see list of parts under details of "Main Regulator Valve")
	186 288	3/8 x 4-1/2" hex-hd cap SCREW (11)
	103 321	3/8" lock WASHER (11)
	700 021 C91	VALVE, range selector (for components see list of parts under details of "Range Selector Valve")
	179 849	3/8 x 2-1/2" hex-hd cap SCREW (3)
	103 321	3/8" lock WASHER (3)
	278 026 R1	WIRE, bulk locking (14 ga) (customer must specify length required) (x)

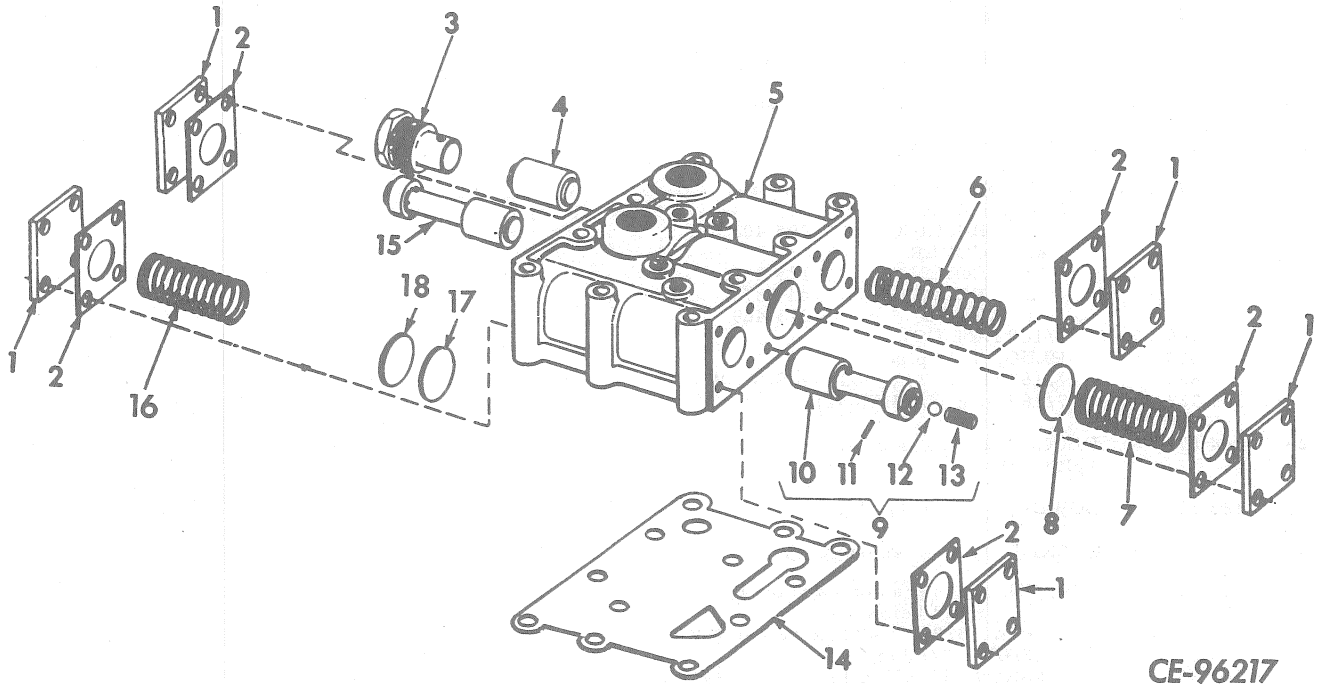
(x) - As Required.

- Serial Number Not Available.

§ - Not Furnished Separately.

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
MAIN REGULATOR VALVE (Rockford) (Power Shift and Side Boom)			MAIN REGULATOR VALVE - Continued (Rockford) (Power Shift and Side Boom)		



656 127 C91	VALVE ASSY, main regulator (includes Refs 1 to 19 and PLUG, 444 613 except Ref. 14)	9	338 651 R94	VALVE ASSY, main spool
186 288	SCREW, 3/8 x 4-1/2" hex-hd cap (11)	10		VALVE, main spool (Not Furnished Separately)
103 321	WASHER, 3/8" lock (11)	11	20 139 R1	PIN, main spool valve
1	321 991 R1 COVER, valve (5) 5/16 x 3/4" hex-hd cap SCREW w/lock WASHER (20)	12	346 509 R1	BALL, main spool valve
2	321 992 R1 GASKET, valve cover (5)	13	347 243 R1	SPRING, main spool valve
3	343 556 R1 PLUG	14	325 040 R2	GASKET, main valve body (not furnished as part of main regulator valve)
4	321 994 R1 VALVE, lubricating pressure regulator	15	321 998 R1	VALVE, by-pass
5	BODY, main regulator valve (Not Furnished Separately)	16	606 512 C1	SPRING, main regulator
6	336 103 R1 SPRING, lubricating valve	17	606 506 C1	WASHER, spring
7	610 703 C1 SPRING, by-pass valve	18	321 997 R1	WASHER, spring
8	321 997 R1 WASHER		444 613	PLUG, 1/8" (NPT) sq-hd pipe (3)

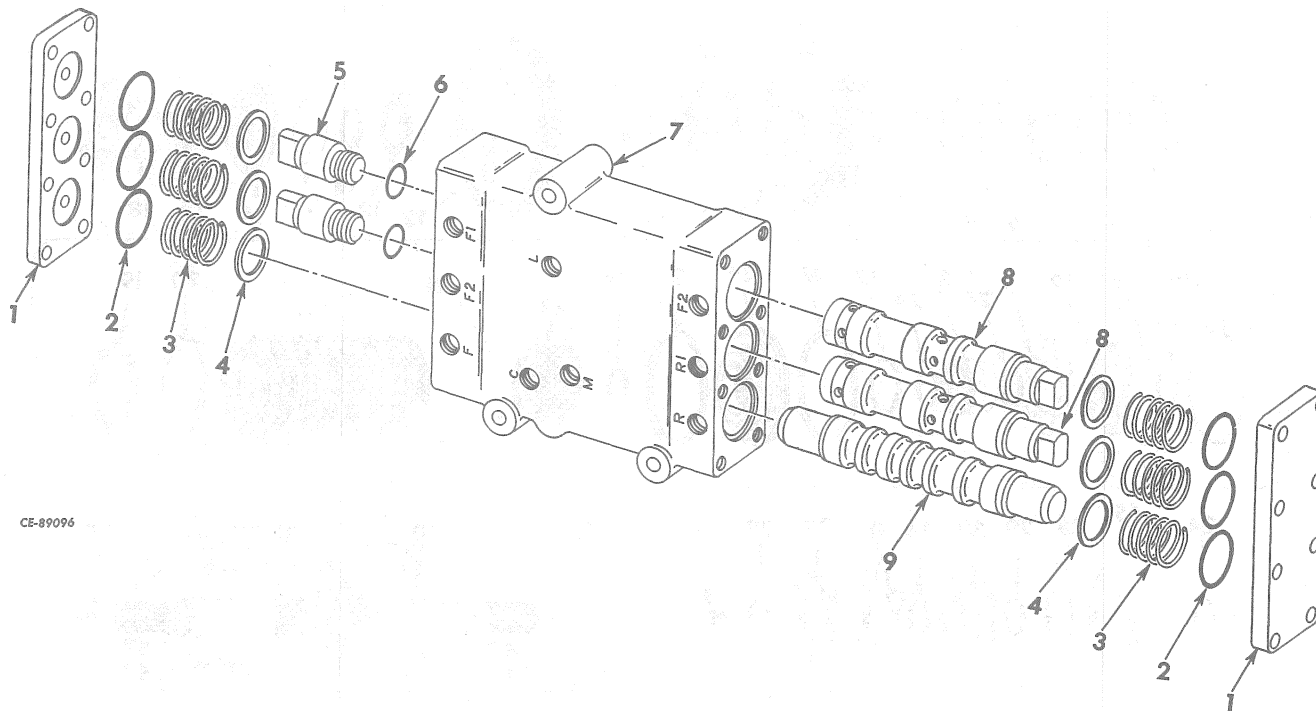
(x) - As Required.

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TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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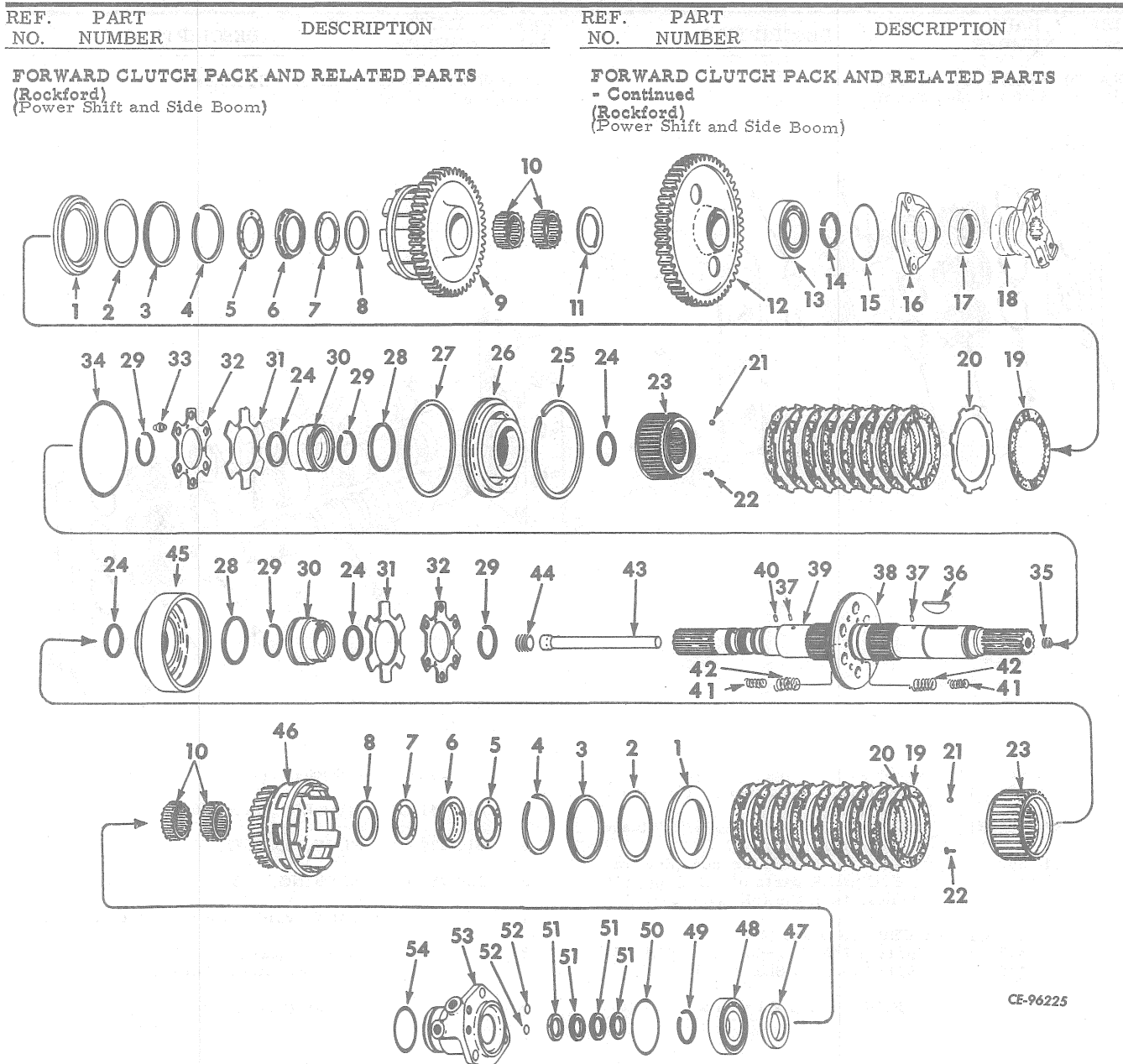
RANGE SELECTOR VALVE
(Power Shift and Side Boom)

RANGE SELECTOR VALVE - Continued
(Power Shift and Side Boom)



CE-89096

700 021 C91	VALVE ASSY, range selector	3	617 240 C1	SPRING, spool centering (6)
379 181 R1	"O" RING, 5/8 x 3/4 x 1/16" (valve mounting) (5)	4	617 241 C1	SPACER, spring (6)
574 069 R1	"O" RING, 3/4 x 7/8 x 1/16" (valve mounting)	5	617 239 C1	PLUG, spool (2)
444 652	PLUG, 1/8" NPT sq-soc-pipe (in F, C and R parts of valve top) (3) (Consists of the following parts -	6	369 751 R1	"O" RING, .351 x .495 x .072 (2)
1	617 242 C1 COVER, body end (2)	7		BODY, valve (Not Furnished Separately)
	179 817 5/16 x 7/8" hex-hd cap SCREW (16)	8		SPOOL, forward and reverse (2) (Not Furnished Separately)
	103 320 5/16" lock WASHER (16)	9		SPOOL (Not Furnished Separately)
2	370 943 R1 "O" RING, 1-1/8 x 1-1/4 x 1/16" (6)			



CE-96225

1		PLATE, clutch backing (Part of HUB, 627 184 C91 order HUB, 627 403 C91) (2)	5	324 480 R2	RETAINER, clutch hub (4)
1	327 405 C1	PLATE, clutch backing (Part of HUB, 627 403 C91) (2)	6	324 468 R2	SPACER, clutch (2)
2	627 118 C1	RETAINER, snap ring (Part of HUB, 627 184 C91) (x)	7	610 804 C1	WASHER, thrust (2)
2	627 178 C1	RETAINER, snap ring (Part of HUB, 627 184 C91)	8	610 802 C1	SPACER, washer (2)
3	324 469 R1	RING, snap (internal) (Part of HUB, 627 184 C91) (2)	9	625 863 C91	GEAR, clutch - second speed drive
3	627 407 C1	RING, snap (internal) (Part of HUB, 627 403 C91) (2)	10	610 766 C91	BEARING, roller (4)
4	156 898 H1	RING, snap (external) (Part of HUB, 627 184 C91) (2)	11	611 260 C1	WASHER, second gear thrust
4	627 406 C1	RING, snap (external) (Part of HUB, 627 403 C91) (2)	12	611 257 C1	GEAR, reverse drive
			13	ST 295	BEARING, forward clutch shaft front
			14	327 063 R1	RING, forward clutch shaft front bearing snap
					x - As Required.

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
FORWARD CLUTCH PACK AND RELATED PARTS - Continued (Rockford) (Power Shift and Side Boom)			FORWARD CLUTCH PACK AND RELATED PARTS - Continued (Rockford) (Power Shift and Side Boom)		
15	257 642 R1	"O" RING, forward clutch shaft oil seal housing (4-1/4 x 4-1/2 x 1/8")	39	625 859 C91	SHAFT ASSY, clutch (Composed of - 1 PLATE 625 661 C1 2 PIN 17 164 R1 1 PLUG 347 553 R1 1 PLUG 347 554 R1 2 RING 156 896 H1 § 1 SHAFT)
16	609 516 C1	HOUSING, oil seal	40	141 128	PIN, forward clutch shaft dowel
	179 859	SCREW, 7/16 x 1-1/8" hex-hd cap(3)	41	625 663 C1	SPRING, compression (inner) (6)
	103 322	WASHER, 7/16" lock (3)	42	625 662 C1	SPRING, compression (outer) (6)
17	619 586 C91	OIL SEAL, clutch shaft	43		TUBE (Not Furnished Separately)
18	609 517 C21	YOKE, transmission drive (Not Furnished as part of TRANSMISSION ASSY)	44	347 554 R1	PLUG, 3/4" pipe
19	702 874 C1	PLATE, internal splined (18)	45	156 317 H1	HOUSING, piston
20	156 320 H1	PLATE, external splined (16)	46	625 862 C91	GEAR, clutch (First*speed drive)
21	327 178 R1	PIN, dowel (Part of HUB, 627 184 C91) (6)	47	611 259 C1	WASHER, first gear thrust
22	346 674 R1	BOLT, 5/16NF x 13/16" hex-hd (special) (4)	48	272 976 R91	BEARING, forward clutch shaft rear
23	627 184 C91	HUB, clutch (Order HUB ASSY, 627 403 C91) (2) (Consists of the following parts - 3 PIN 327 178 R1 x RETAINER 627 118 C1 x RETAINER 627 178 C1 1 RING 156 898 H1 1 RING 324 469 R1)	49	327 058 R1	RING, forward clutch shaft rear bearing snap
23	627 403 C91	HUB ASSY, clutch (2) (Consists of the following - 1 HUB 627 404 C1 1 PLATE 627 405 C1 1 RING 627 406 C1 1 RING 627 407 C1)	50	259 246 R1	"O" RING, forward clutch shaft hydraulic manifold (large) 3-7/8 x 4-1/8 x 1/8")
23	627 404 C1	HUB (Part of HUB, 627 403 C91)	51	327 090 R1	RING, forward clutch shaft rear sealing (4)
24	324 489 R3	"O" RING (Piston hook type) (4)	52	350 667 R1	"O" RING, forward clutch shaft hydraulic manifold (small) (11/16 x 7/8 x 3/32")(used w/MANIFOLD, 325 639 R1) (2)
25	156 897 H1	RING, snap (internal)	52	369 908 R1	"O" RING, forward clutch shaft hydraulic manifold (small) (13/16 x 1 x 3/32") (Used w/MANIFOLD, 325 639 R2) (2)
26	156 316 H1	PISTON, clutch	53	325 639 R2	MANIFOLD, forward clutch shaft hydraulic (Together w/two RING, 369 908 R1 will work for MANIFOLD, 325 639 R1) PLUG, 3/8" hex-soc-hd pipe (cd or zn-pltd) (2) SCREW, 7/16 x 1-1/4" hex-hd cap(3) 103 322 WASHER, 7/16" lock (3)
27	324 495 R1	"O" RING	54	654 747 C1	"O" RING, transmission case upper sealing (2-5/8 x 3 x 13/16")
28	324 488 R2	"O" RING (2)			
29	156 896 H1	RING, snap (external) (4)			
30	625 608 C1	PISTON, accelerating (2)			
31	163 425 H1	VALVE, disc (2)			
32	625 607 C1	DISC, reinforcing (2)			
33	610 485 C1	PIN, guide (3)			
34	324 497 R1	"O" RING			
35	347 553 R1	PLUG, 1/2" pipe			
36	20 020 D	KEY, reverse drive gear			
37	17 164 R1	PIN, forward clutch shaft roll			
38	625 661 C1	PLATE, separator			

x - As Required.
§ - Not Furnished Separately.

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION
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FORWARD CLUTCH PACK AND RELATED PARTS

- Continued
(Rockford)
(Power Shift and Side Boom)

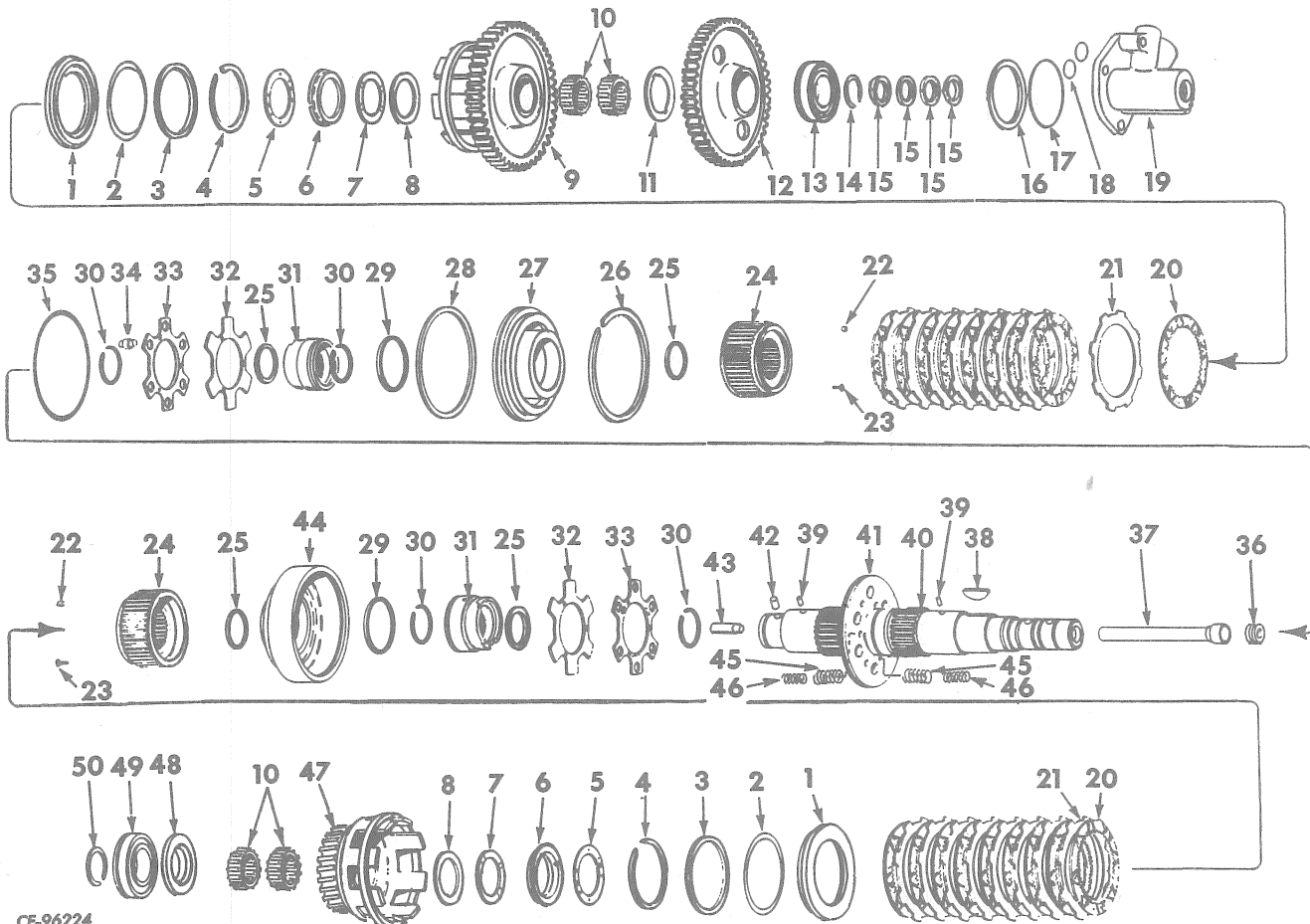
654 047 C92	PACK ASSY, final clutch (forward)	
	(Composed of -	
4	BOLT	346 674 R1
4	BEARING	610 766 C91
2	DISC	625 607 C1
1	GEAR	625 863 C91
1	GEAR	625 862 C91
1	HOUSING	156 317 H1
2	HUB	627 403 C91
4	"O" RING	324 489 R3
2	"O" RING	324 488 R2
1	"O" RING	324 495 R1
1	"O" RING	324 497 R1
3	PIN	610 485 C1
2	PISTON	625 608 C1
1	PISTON	156 316 H1
18	PLATE	702 874 C91
16	PLATE	156 320 H1
4	RETAINER	324 480 R2
2	RING	156 896 H1
1	RING	156 897 H1
1	SHAFT	625 859 C91
2	SPACER	324 468 R2
2	SPACER	610 802 C1
6	SPRING	625 662 C1
6	SPRING	625 663 C1
2	VALVE	163 425 H1
2	WASHER	610 804 C1)

MEMORANDA

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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REVERSE CLUTCH PACK AND RELATED PARTS
(Power Shift and Side Boom)

REVERSE CLUTCH PACK AND RELATED PARTS
- Continued
(Power Shift and Side Boom)



CE-96224

1		PLATE, clutch backing (Part of HUB, 627 184 C91 order HUB, 627 403 C91) (2)	10	610 766 C91	BEARING, roller (4)
1	327 405 C1	PLATE, clutch backing (Part of HUB, 627 403 C91) (2)	11	611 260 C1	WASHER, second gear thrust
2	627 118 C1	RETAINER, snap ring (Part of HUB, 627 184 C91) (x)	12	611 258 C1	GEAR, reverse driven
2	627 178 C1	RETAINER, snap ring (Part of HUB, 627 184 C91) (x)	13	327 067 R91	BEARING, reverse clutch shaft front
3	324 469 R1	RING, snap (internal) (Part of HUB, 627 184 C91)	14	327 068 R1	RING, reverse clutch shaft front bearing snap
3	627 407 C1	RING, snap (internal) (Part of HUB, 627 403 C91) (2)	15	325 059 R1	RING, reverse clutch shaft sealing (4)
4	156 898 H1	RING, snap (external) (Part of HUB, 627 184 C91)	16	345 835 R1	SHIM, reverse clutch shaft (heavy)
4	627 406 C1	RING, snap (external) (Part of HUB, 627 403 C91) (2)	16	345 834 R1	SHIM, reverse clutch shaft (medium)
5	324 480 R2	RETAINER, clutch hub (4)	17	354 836 R1	RING, reverse clutch shaft hydraulic manifold sealing (3-1/4 x 3-1/2 x 1/8")
6	324 468 R2	SPACER, clutch (2)	18	350 667 R1	"O" RING, reverse clutch shaft hydraulic manifold (small) (11/16 x 7/8 x 3/32") (used w/MANIFOLD, 654 035 C1) (2)
7	610 804 C1	WASHER, thrust (2)	18	369 908 R1	"O" RING, reverse clutch shaft hydraulic manifold (small) (13/16 x 1 x 3/32") (Used w/MANIFOLD, 654 035 C2) (2)
8	616 802 C1	SPACER, washer			
9	625 863 C91	GEAR, clutch - second speed drive			x - As Required.

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
REVERSE CLUTCH PACK AND RELATED PARTS - Continued (Power Shift and Side Boom)			REVERSE CLUTCH PACK AND RELATED PARTS - Continued (Power Shift and Side Boom)		
19	654 035 C2	MANIFOLD, reverse clutch shaft hydraulic (together w/two RING, 369 908 R1 will work for MANIFOLD, 654 035 C1)	42	141 128	PIN, reverse clutch shaft dowel
444	698	PLUG, 3/8" hex-soc pipe (cd or zn-pltd) (2)	43	625 865 C1	PIN, dowel
179	860	SCREW, 7/16 x 1-1/4" hex-hd cap (2)	44	156 317 H1	HOUSING, piston
179	867	SCREW, 7/16 x 2-1/4" hex-hd cap	45	625 662 C1	SPRING, compression (outer)
179	872	SCREW, 7/16 x 3-1/2" hex-hd cap	46	625 663 C1	SPRING, compression (inner)
103	322	WASHER, 7/16" lock (4)	47	625 862 C91	GEAR, clutch (First speed drive)
20	702 874 C1	PLATE, internal splined (18)	48	611 259 C1	WASHER, first gear thrust
21	156 320 H1	PLATE, external splined (16)	49	272 976 R91	BEARING, reverse clutch shaft rear
22	327 178 R1	PIN, dowel (Part of HUB, 627 184 C91) (3)	50	327 058 R1	RING, reverse clutch shaft rear bearing snap
23	346 674 R1	BOLT, 5/16NF x 13/32" hex-hd (special) (2)	654 048 C92	PACK ASSY, final clutch (reverse) (Composed of -	
24	627 184 C91	HUB w/BACKING PLATE (Order HUB ASSY, 627 403 C91) (2) (Consists of the following parts -	4	BEARING	610 766 C91
		3 PIN 327 178 R1	4	BOLT	346 674 R1
		x RETAINER 627 118 C1	2	DISC	625 607 C1
		x RETAINER 627 178 C1	1	GEAR	625 863 C91
		1 RING 156 898 H1	1	GEAR	625 862 C91
		1 RING 324 469 R1)	1	HOUSING	156 317 H1
24	627 403 C91	HUB ASSY, clutch (2) (Consists of the following -	2	HUB	627 403 C91
		1 HUB 627 404 C1	4	"O" RING	324 489 R3
		1 PLATE 627 405 C1	2	"O" RING	324 488 R2
		1 RING 627 406 C1	1	"O" RING	324 495 R1
		1 RING 627 407 C1)	1	"O" RING	324 497 R1
24	627 404 C1	HUB (Part of HUB, 627 403 C91)	3	PIN	610 485 C1
25	324 489 R3	"O" RING (Piston hook type) (4)	2	PISTON	625 608 C1
26	156 897 H1	RING, snap (internal)	1	PISTON	156 316 H1
27	156 316 H1	PISTON, clutch	18	PLATE	702 874 C1
28	324 495 R1	"O" RING, clutch piston	16	PLATE	156 320 H1
29	324 488 R2	"O" RING, (piston) (2)	4	RETAINER	324 480 R2
30	156 896 H1	RING, snap (external) (4)	2	RING	156 896 H1
31	625 608 C1	PISTON, accelerating (2)	1	RING	156 897 H1
32	163 425 H1	VALVE, disc (2)	1	SHAFT	625 864 C91
33	625 607 C1	DISC, reinforcing (2)	2	SPACER	324 468 R2
34	610 485 C1	PIN, guide (3)	2	SPACER	610 802 C1
35	324 497 R1	"O" RING	6	SPRING	625 662 C1
36		PLUG, 3/4" pipe	6	SPRING	625 663 C1
37		TUBE (Not Furnished Separately)	2	VALVE	163 425 H1
38	20 020 D	KEY, reverse driven gear	2	WASHER	610 804 C1)
39	17 164 R1	PIN, reverse clutch shaft roll (2)			
40	625 864 C91	SHAFT ASSY, clutch (Composed of -			
		2 PIN 17 164 R1			
		1 PLATE 625 661 C1			
		1 PLUG 347 554 R1			
		2 RING 156 896 H1			
		§ 1 SHAFT)			
41	625 661 C1	PLATE, separator			

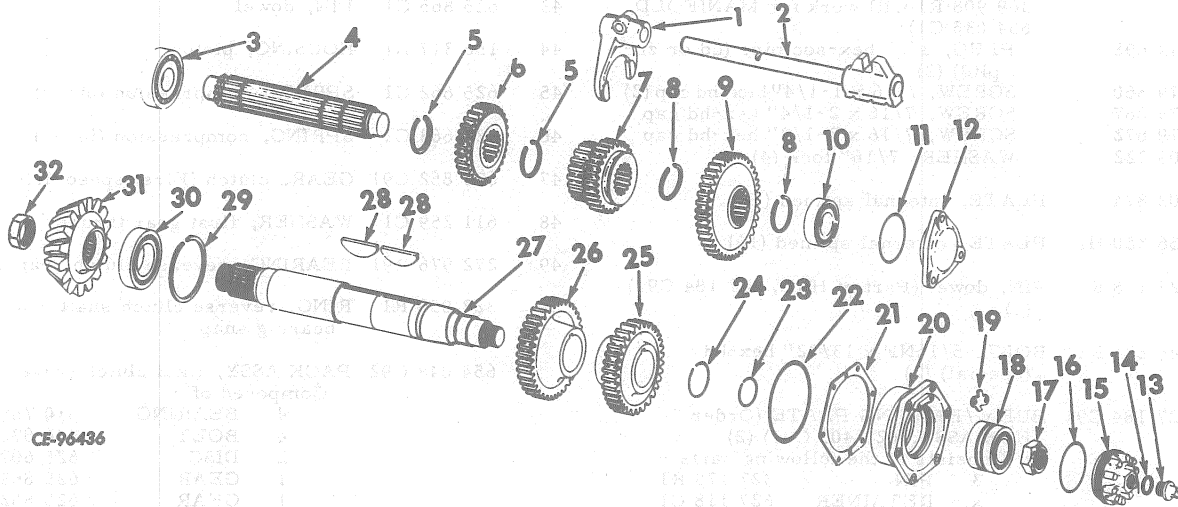
x - As Required.
§ - Not Furnished Separately.

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BEVEL PINION SHAFT, SPLINE SHAFT AND RELATED PARTS
(Power Shift and Side Boom)

BEVEL PINION SHAFT, SPLINE SHAFT AND RELATED PARTS - Continued
(Power Shift and Side Boom)



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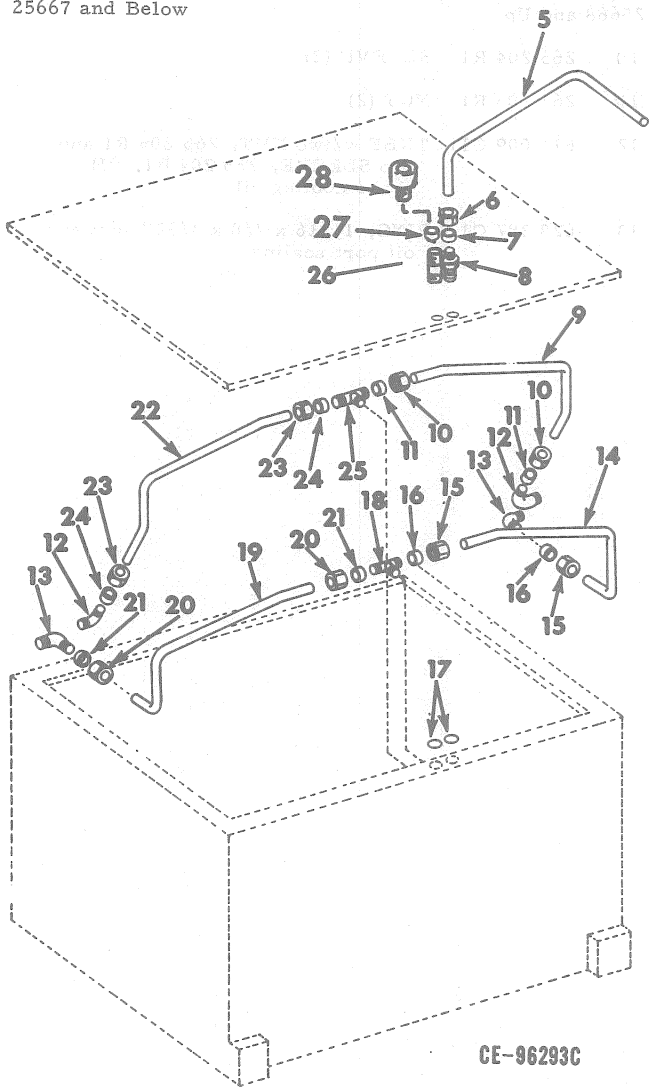
1	325 837 R1	FORK, high low shifter	20	334 716 R2	CAGE, pinion shaft bearing
	454 522 R1	NUT, Esna		179 862	7/16 x 1-1/2" hex-hd cap SCREW (6)
	179 890	1/2 x 2-1/4" hex-hd cap SCREW		103 322	7/16" lock WASHER (6)
2	325 648 R1	SHAFT, high low shifter	21	334 717 R1	SHIM, bevel pinion shaft medium (x)
3	272 146 R91	BEARING, spline shaft rear	21	334 718 R1	SHIM, bevel pinion shaft light (x)
4	654 019 C1	SHAFT, spline	21	334 719 R1	SHIM, bevel pinion shaft extra light (x)
5	327 059 R1	RING, first speed driven gear snap (2)	22	610 416 C1	"O" RING, bevel pinion shaft bearing cage (5-5/8 x 6-1/8 x 1/4")
6	334 720 R1	GEAR, first speed driven (42T)	23	286 485 R1	RING, front pinion shaft bearing retaining
7	654 046 C1	GEAR, high and low speed driving (for sideboom crawler tractors)	24	654 052 C2	RING, high range gear retaining
7	654 051 C1	GEAR, high and low speed driving (not for sideboom crawler tractors)	25	654 045 C1	GEAR, high range driven (for sideboom crawler tractors)
8	327 059 R1	RING, second speed driven gear snap (2)	25	654 050 C1	GEAR, high range driven (not for sideboom crawler tractors)
9	334 721 R1	GEAR, second speed driven (29T)	26	654 044 C1	GEAR, low range driven (for sideboom crawler tractors)
10	272 479 R91	BEARING, spline shaft front	26	654 049 C1	GEAR, low range driven (not for sideboom crawler tractors)
11	259 246 R1	"O" RING, spline shaft bearing cap (3-3/4 x 4 x 1/8")	27	654 040 C1	SHAFT, bevel pinion
12	325 631 R1	CAP, spline shaft bearing	28	12 484 R1	KEY, high and low range driven gear (2)
	179 860	7/16 x 1-1/4" hex-hd cap SCREW (3)			
	103 322	7/16" lock WASHER (3)	29	327 060 R1	RETAINER, rear bearing bevel pinion
13	269 909 R2	PLUG, bevel pinion shaft front bearing retainer	30	327 057 R91	BEARING, pinion gear
14	269 910 R1	GASKET, bevel pinion shaft front bearing retainer plug	31	325 611 R1	PINION, bevel (*)
15	325 626 R1	RETAINER, bevel pinion shaft front bearing	32	19 858 R1	NUT, bevel pinion retainer
16	610 411 C1	"O" RING, bevel pinion shaft front bearing retainer (3-1/2 x 3-3/4 x 1/8")		334 087 R1	GEAR, drive bevel (*)
17	19 754 R1	NUT, bevel pinion shaft front bearing retainer		325 613 R91	GEAR, 334 087 R1 and PINION, 325 611 R1, drive bevel (matched set) (*)
18	327 077 R91	BEARING, bevel pinion shaft front			
19	325 007 R1	LOCK, bevel pinion shaft front bearing retainer			
	179 837	3/8 x 3/4" hex-hd cap SCREW (2)			
	103 321	3/8" lock WASHER (2)			

(*) - Also Listed And Illustrated With "Steering Planetary Drive."
(x) - As Required.

BRAKES AND CONTROLS

REF. NO.	PART NUMBER	DESCRIPTION
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OIL COOLING BRAKE PIPING
25667 and Below



REF. NO.	PART NUMBER	DESCRIPTION
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OIL COOLING BRAKE PIPING - Continued
25667 and Below

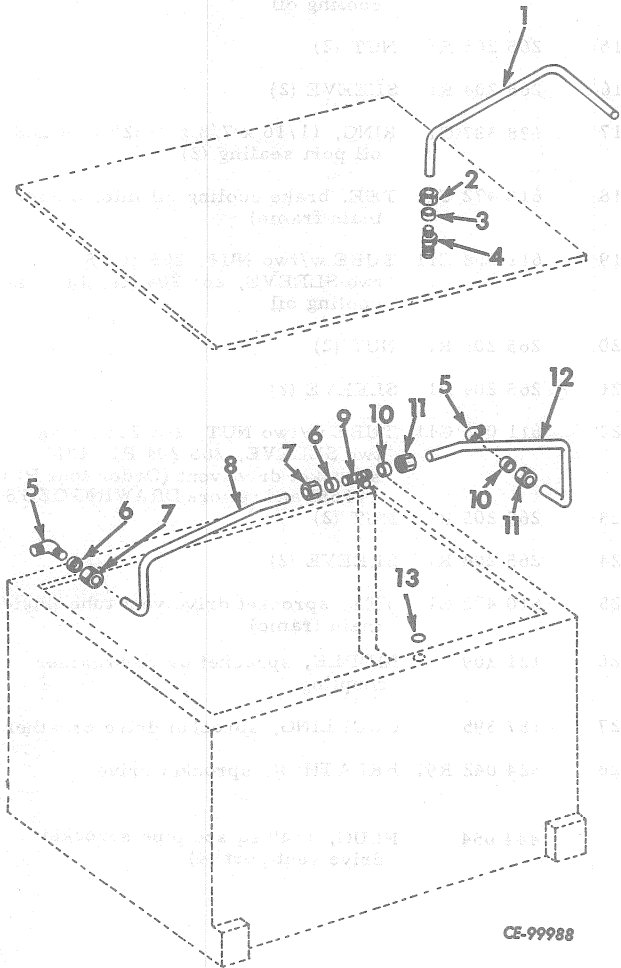
14	611 009 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, RH brake cooling oil
15	265 205 R1	NUT (2)
16	265 204 R1	SLEEVE (2)
17	628 387 C1	RING, 11/16 x 7/8 x 3/32" vent and oil port sealing (2)
18	610 472 C1	TEE, brake cooling oil inlet (inside main frame)
19	611 008 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, LH brake cooling oil
20	265 205 R1	NUT (2)
21	265 204 R1	SLEEVE (2)
22	611 006 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, LH sprocket drive vent (Order four PLUG 444 654 and rework DRAWING CZG 877)
23	265 205 R1	NUT (2)
24	265 204 R1	SLEEVE (2)
25	610 472 C1	TEE, sprocket drive vent tube (inside main frame)
26	121 209	NIPPLE, sprocket drive breather coupling
27	187 395	COUPLING, sprocket drive breather
28	324 042 R91	BREATHER, sprocket drive
	444 654	PLUG, 1/4" sq soc pipe sprocket drive vent port (4)

5	628 202 C91	TUBE w/two NUT, 265 205 C1 and two SLEEVE, 265 204 C1 lub oil pressure to rear main frame
6	265 205 C1	NUT (2)
7	265 204 C1	SLEEVE (2)
8	606 819 C91	CONNECTOR, lub oil pressure tube at rear main frame cover
9	611 007 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, RH sprocket drive vent (order four PLUG, 444 654 and rework DRAWING, CZG-877)
10	265 205 R1	NUT (2)
11	265 204 R1	SLEEVE (2)
12	606 845 C1	ELBOW, sprocket drive vent tube (inside main frame) (2)
13	610 473 C1	ELBOW, brake cooling oil inlet restrictor (inside of main frame) (2)

BRAKES AND CONTROLS

REF. NO.	PART NUMBER	DESCRIPTION
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OIL COOLING BRAKE PIPING
25668 and Up



REF. NO.	PART NUMBER	DESCRIPTION
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OIL COOLING BRAKE PIPING - Continued
25668 and Up

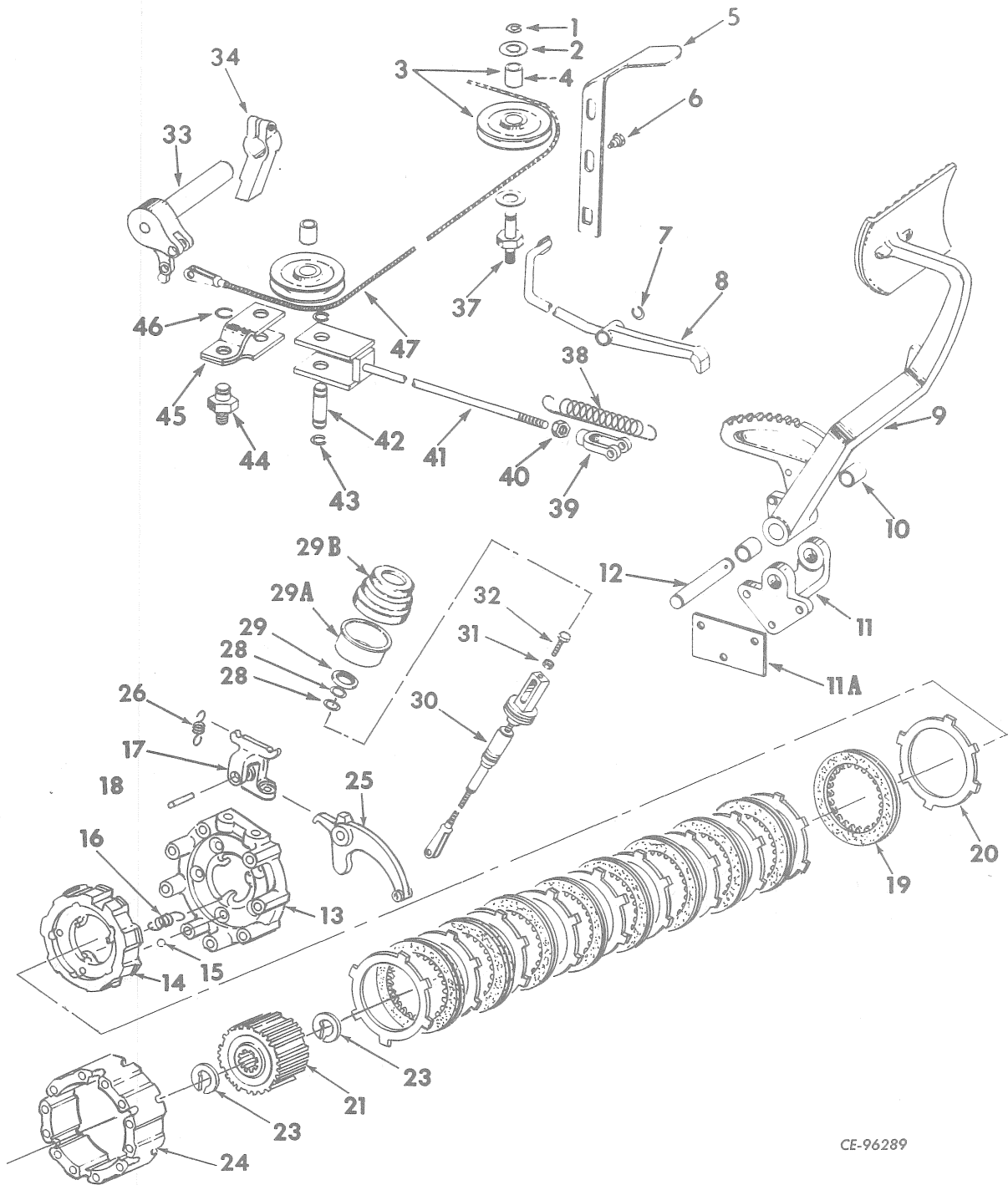
- 10 265 204 R1 SLEEVE (2)
- 11 265 205 R1 NUT (2)
- 12 611 009 C11 TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, RH brake cooling oil
- 13 628 387 C1 RING, 11/16 x 7/8 x 3/32" vent and oil port sealing

- 1 628 202 C91 TUBE w/two NUT, 265 205 C1 and two SLEEVE, 265 204 C1 lube oil pressure to rear main frame
- 2 265 205 C1 NUT (2)
- 3 265 204 C1 SLEEVE (2)
- 4 606 819 C91 CONNECTOR, lube oil pressure at frame cover
- 5 610 473 C1 ELBOW, brake cooling oil inlet restrictor (inside of main frame) (2)
- 6 265 204 R1 SLEEVE (2)
- 7 265 205 R1 NUT (2)
- 8 611 008 C11 TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, LH brake cooling oil
- 9 610 472 C1 TEE, brake cooling oil inlet (inside main frame)

BRAKES AND CONTROLS

BRAKES AND CONTROLS

BRAKES AND CONTROLS - Continued



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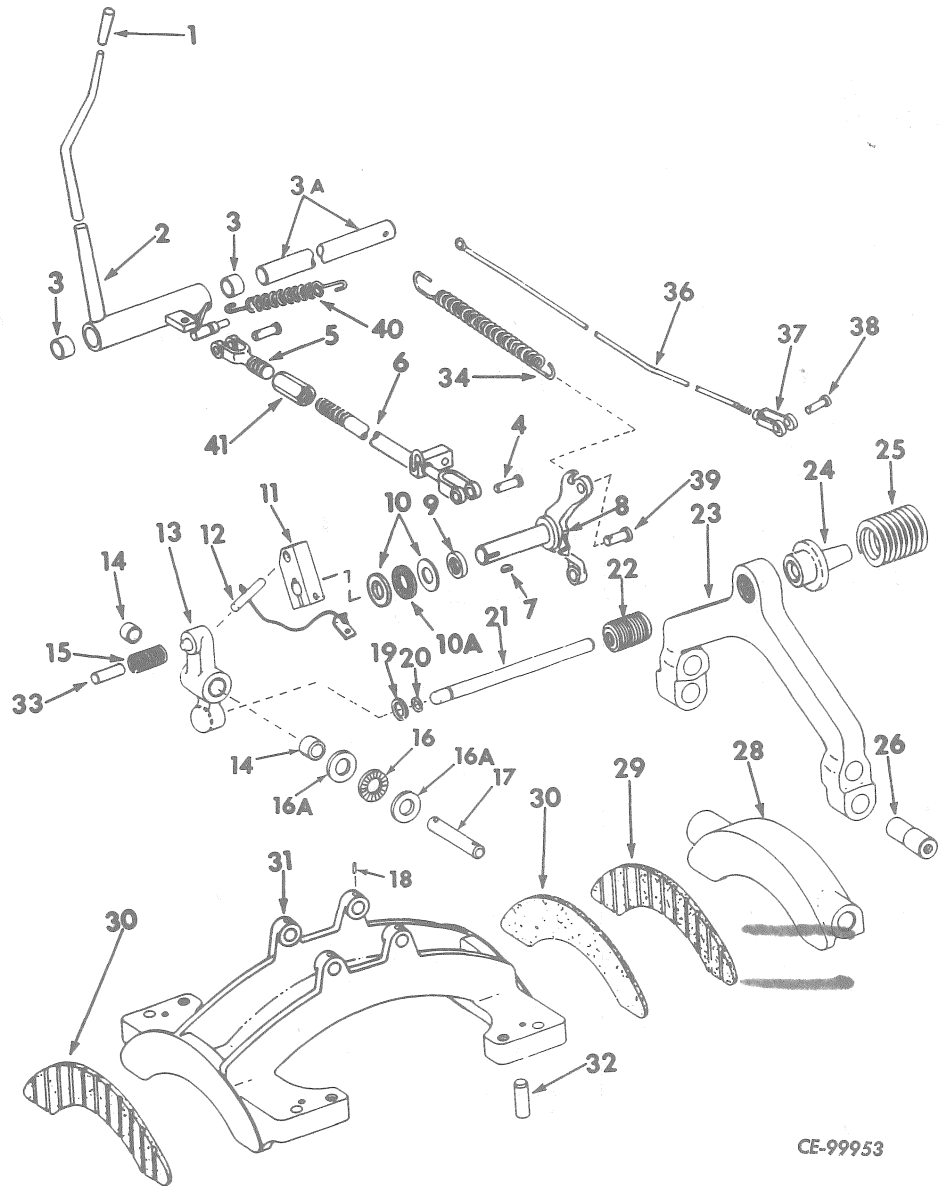
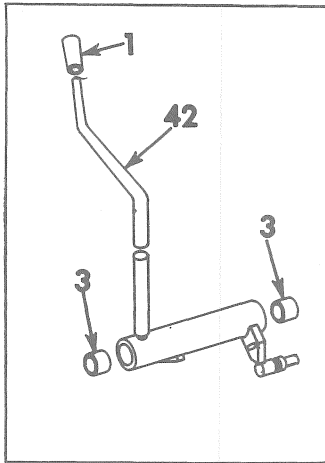
BRAKES AND CONTROLS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BRAKES AND CONTROLS			BRAKES AND CONTROLS - Continued		
1	631 530 R1	RING, snap	31	271 500	NUT, 7/16" (2)
2	452 971 R1	SPACER, idler pulley (2)	32	609 771 C2 271 500	BOLT, brake actuating cable (2) 7/16" NUT
3	325 558 R11	PULLEY w/BUSHING, 307 434 R1, foot brake actuating cable (2)	33	325 768 R91	BELLCRANK, LH brake actuating
4	307 434 R1	BUSHING, pulley (2)	33	325 769 R91	BELLCRANK, RH brake actuating
5	604 198 C1	LEVER, brake pawl operating	34	334 872 R1 179 887 103 323 124 557	LEVER, pivto brake pick-up (2) 1/2 x 1-3/4" hex-hd cap SCREW (2) 1/2" lock WASHER (2) KEY, 5/16 x 1-1/8" (Woodruff No. C) (2)
6	603 475 C1 109 084 103 319 300 657 R1	GUIDE, manual brake pawl (2) 1/4" NUT (2) 1/4" lock WASHER (2) WASHER, brake pawl lever guide	37	325 559 R1	SHAFT, foot brake actuating cable pulley stud
7	373 692 R1	RING, gear	38	272 536 R1	SPRING, brake pedal return
8	334 401 R22	PAWL, manual brake pedal (power shift)	39	104 039 103 498 103 385	CLEVIS, short adjustable PIN, rod end 1/8 x 1" cotter PIN
8	650 265 C1	PAWL, manual brake pedal (manual shift custom)	40	114 496	NUT, 1/2 NF
9	345 585 R91	PEDAL w/two BUSHING, 325 180 R1, brake	41	334 027 R91	YOKE, brake pulley pull rod
10	325 180 R1	BUSHING, brake pedal (2)	42	325 567 R1	SHAFT, pulley
11	325 569 R1 102 637 179 887 103 323	BRACKET, brake pedal mounting 1/2" NUT (3) 1/2 x 1-3/4" hex-hd cap SCREW (3) 1/2" lock WASHER (3)	43	631 530 R1	RING, snap (2)
11A	345 568 R1	SPACER, brake pedal mounting bracket	44	325 562 R1	STUD, pulley support
12	325 570 R1 576 484 R1	SHAFT, brake pedal PIN, 3/16 x 1-3/4" roll	45	330 705 R91	SUPPORT, pulley
13	654 673 C1 20 063 R1	PLATE, brake actuator pressure (2) 3/8 x 5" hardened cap SCREW (16)	46	631 530 R1	RING, snap
14	654 674 C1	ACTUATOR, brake (2)	47	325 771 R92 103 385 108 636 84 727 H	CABLE w/two PIN, foot brake actua- ting 1/8 x 1" cotter PIN (2) 3/32 x 1-1/8" cotter PIN (2) PIN, rod end
15	17 100 R1	BALL, chrome steel brake actuating (1" dia grade 2) (10)	345 974 R2	BUSHING, push rod lever shaft (2)	
16	654 675 C1	SPRING, actuator return (6)	273 347	FITTING, brake actuating bellcrank lubrication (2)	
17	654 707 C1 525 841 R1 524 443 R1	SUPPORT, brake actuating lever (2) BOLT (4) WASHER (4)	126 152	FITTING, lubrication, brake pedal	
18	654 079 C1	SHAFT, brake actuating lever pivot (2)			
19	619 200 C1	DISC, brake friction (18)			
20	324 452 R1	PLATE, friction disc separator (20)			
21	654 676 C1	HUB, brake retaining (2)			
23	621 247 C1	RING, brake hub retaining (4)			
24	654 672 C2 357 210 R1	RETAINER, brake separator plate (2) SCREW, 3/8 x 3-1/4" hardened cap (16)			
25	654 700 C1	LEVER, brake actuating			
26	654 080 C1	SPRING, brake actuating lever return			
28	324 112 R1	"O" RING, brake actuating cable guide (1 x 1-1/4 x 1/8") (2)			
29	324 103 R91	SEAL, brake actuating cable guide (2)			
29A	338 276 R2	SLEEVE, brake guide boot (2)			
29B	338 277 R3	BOOT, brake cable (2)			
30	654 081 C1 103 385 27 128 H 98 724 H	CABLE, brake actuating (2) 1/8 x 1" cotter PIN (4) PIN, rod end (2) PIN, rod end (2)			

STEERING SYSTEM

STEERING PLANETARY AND CONTROLS

STEERING PLANETARY AND CONTROLS - Continued



CE-99953

STEERING SYSTEM

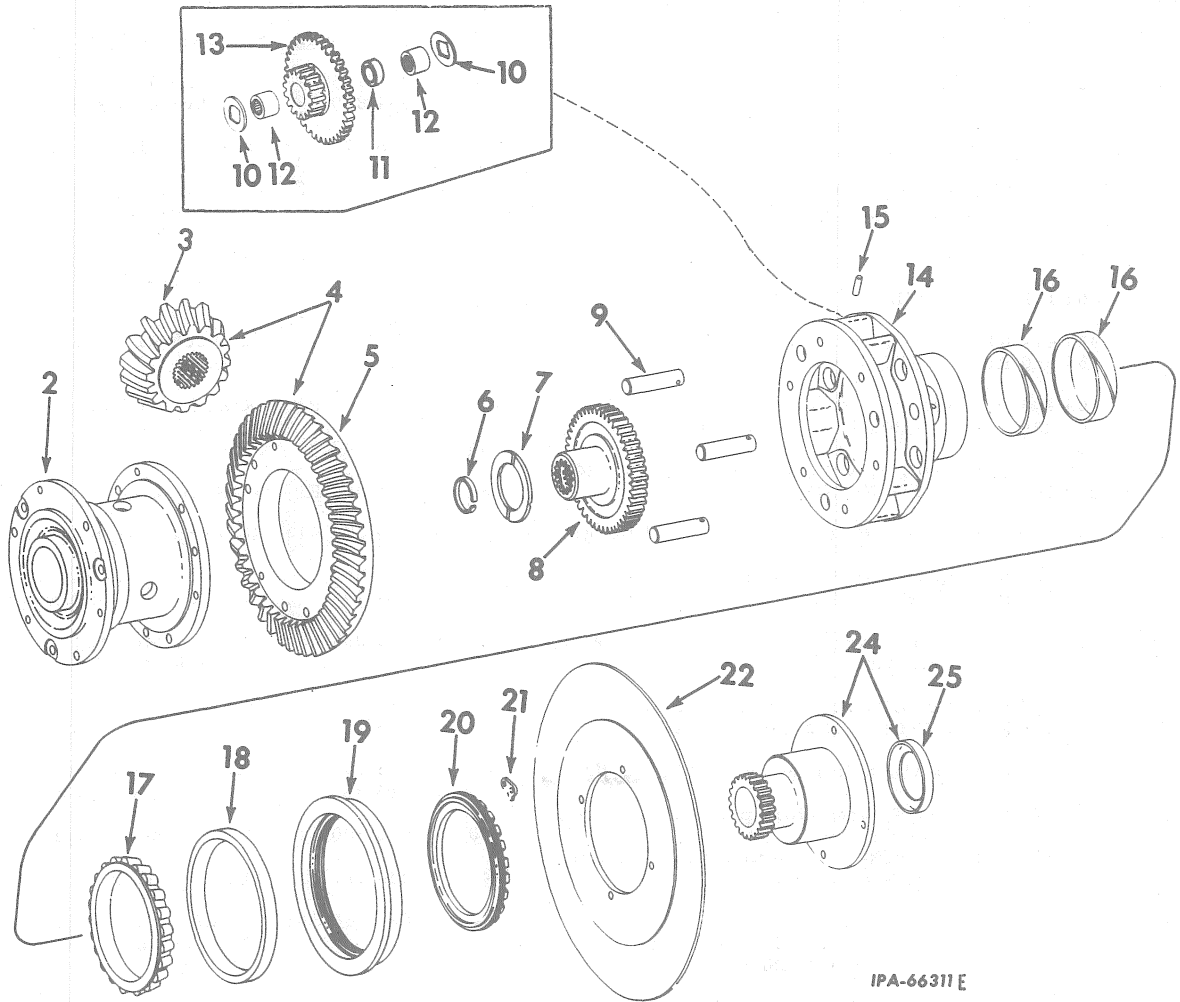
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
STEERING PLANETARY AND CONTROLS - Continued			STEERING PLANETARY AND CONTROLS - Continued		
1	619 404 C1	HANDLE, steering hand lever (2)	25	338 133 R2	SPRING, brake pressure (2)
2	603 113 C92	LEVER w/two BUSHING, 604 151 C1, LH steering hand (Not for manual shift custom)	26	325 173 R3	PIN, clutch fork (short) (4)
			26	334 899 R3	PIN, brake fork (long) (4)
2	603 114 C92	LEVER w/two BUSHING, 604 151 C1, RH steering hand (Not for manual shift custom)	28	325 171 R12	SHOE w/LINING, brake
3	604 151 C1	BUSHING, hand lever (4)	29	331 911 R21	LINING, brake (part of PACKAGE, 331 910 R91) (2)
3A	325 474 R1	SHAFT, hand lever	30	331 911 R21	LINING, brake shor back up (part of PACKAGE, 331 910 R91) (2)
	553 050 R1	PIN, 1/4 x 1-3/4" roll	31	325 433 R12	SHOE w/LINING and four DOWEL, 250 868 R1, back up brake
4	103 498	PIN, 1/2" rod end (4)		271 563	5/8 x 2-1/4" hex-hd cap SCREW (4)
	103 385	1/8 x 1" cotter PIN (4)	32	250 868 R1	DOWEL, back-up brake shoe (4)
5	338 019 R11	ROD, steering brake pull (short) (2)	33	325 448 R1	STIFFENER, lever return spring
	218 197	3/4 NF NUT (2)	34	331 988 R1	SPRING, boost piston return (2)
6	345 501 R91	ROD, RH steering brake pull (long)	36	334 874 R11	ROD, steering booster valve operating (2)
6	345 500 R91	ROD, LH steering brake pull (long)		114 494	3/8 NF jam NUT (2)
	20 097 R1	NUT, 3/4" jam (LH thread) (2)		103 373	3/32 x 3/4" cotter PIN (2)
7	124 552	KEY, lever bellcrank push rod (Woodruff No. 13) (2)	37	104 038	CLEVIS, steering booster valve operating rod end (2)
8	334 870 R91	LEVER, LH bellcrank push rod outer	38	114 785	PIN, 3/8" rod end (2)
8	334 871 R91	LEVER, RH bellcrank push rod outer		103 373	3/32 x 3/4" cotter PIN (2)
9	324 014 R91	SEAL, bellcrank push rod lever (2)	39	33 557 V	PIN, bellcrank push rod lever front (2)
10	306 970 R1	RACE, brake fork push rod bellcrank bearing (4)		103 385	1/8 x 1" cotter PIN (2)
10A	368 372 R91	BEARING, brake fork push rod bellcrank needle (2)	40	620 300 C1	SPRING, hand lever return (2)
11	325 182 R1	LEVER, bellcrank push rod LH	41	338 017 R1	TURNBUCKLE (2)
	179 889	1/2 x 2" hex-hd cap SCREW	42	650 256 C91	LEVER w/two BUSHING, 604 151 C1 LH steering hand (For manual shift custom)
	103 323	1/2" lock WASHER	42	650 257 C91	LEVER w/two BUSHING, 604 151 C1 RH steering hand (For manual shift custom)
11	325 183 R1	LEVER, bellcrank push rod RH		331 910 R91	PACKAGE, brake shoe lining field service (Consists of four LINING, 331 911 R21, thirty-two RIVET, 19 685 R1 and sixteen RIVET, 20 077 R1)
	179 889	1/2 x 2" hex-hd cap SCREW		345 772 R91	PACKAGE, oversize brake fork pin field service (Consists of rework DRAWING, IZG-6672 and PIN) (x)
	103 323	1/2" lock WASHER		324 000 R1	RING, brake fork pin snap (4)
12	325 443 R93	ROD and ANCHOR, bellcrank push (2)		20 077 R1	RIVET, brake shoe (3/16 x 1" tubular) (16)
13	612 732 C11	BELLCRANK w/two BUSHING, 325 180 R1, brake fork push rod (2)		19 685 R1	RIVET, brake shoe (32)
14	325 180 R1	BUSHING, bellcrank (4)			
15	338 024 R1	SPRING, push rod compression			
16	368 372 R91	BEARING, brake fork push rod bellcrank needle (4)			
16A	306 970 R1	RACE, brake fork push rod bellcrank bearing (8)			
17	325 442 R1	SHAFT, bellcrank (2)			
18	441 012 R1	PIN, 1/4 x 7/8" roll (2)			
19	321 985 R1	RING, bellcrank snap (2)			
20	154 665 R1	RING, brake fork push rod snap (2)			
21	325 438 R2	ROD, brake fork push (2)			
22	345 667 R2	SCREW, brake shor adjusting (2)			
23	325 435 R1	FORK, brake (2)			
24	325 436 R3	RETAINER, brake pressure spring (2)			X - As Required.

STEERING SYSTEM

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

STEERING PLANETARY DRIVE - Continued



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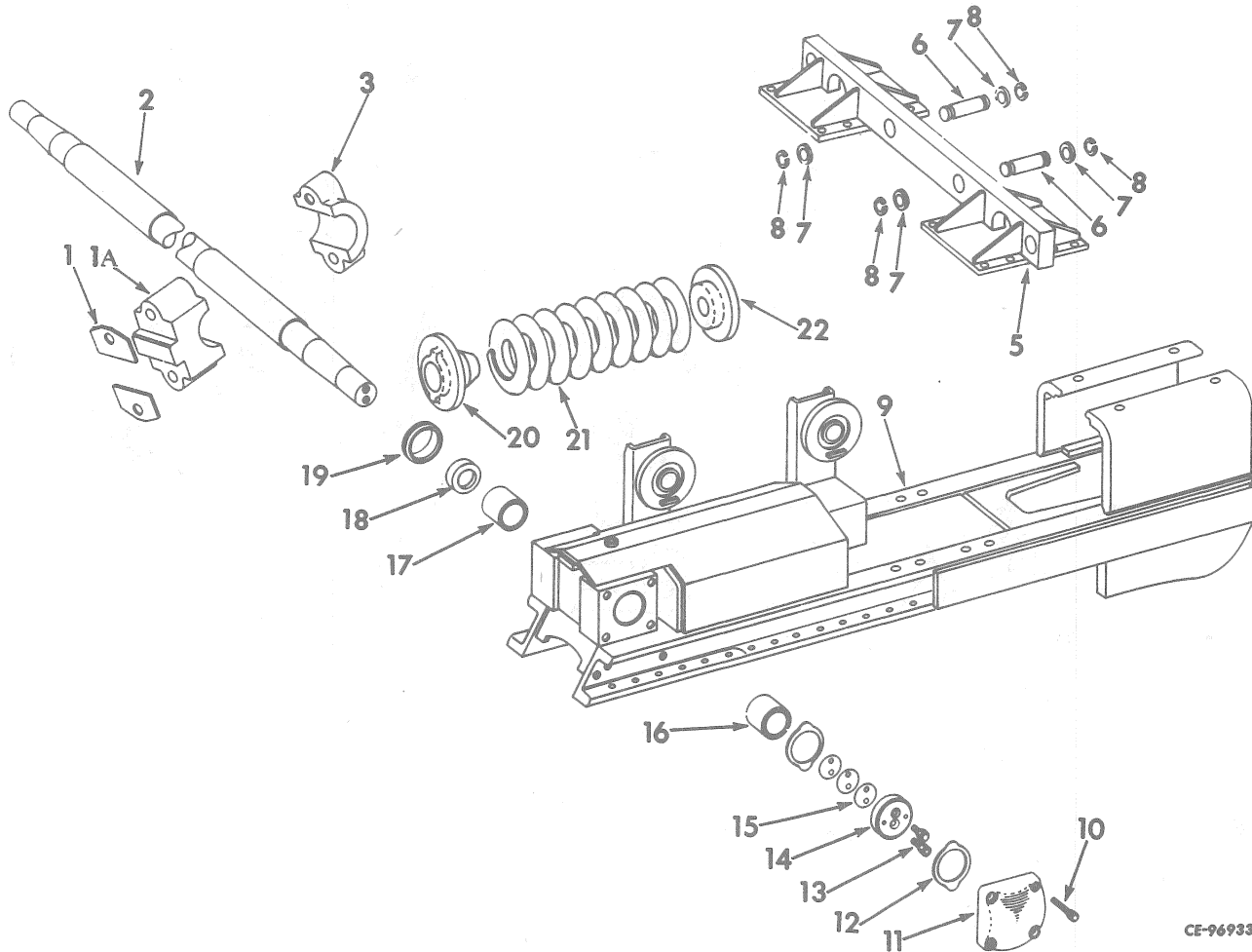
2	624 460 C1	CARRIER, bevel gear	15	617 937 R1	PIN, planet gear cluster shaft (6)
	325 324 R1	BOLT, bevel gear dowel (6)	16	604 223 C1	BUSHING, planet carrier (4)
	325 166 R1	BOLT, planet carrier dowel (3)	17	197 606 R1	CONE, planet carrier roller bearing (2) 25388 and below
	330 912 R1	BOLT, bevel gear carrier (3)	17	625 360 C91	CONE, planet gear carrier 13RG 25389 and up
	454 522 R1	NUT, 1/2" lock (12)	18	197 605 R1	CUP, planet carrier roller bearing (2) 25388 and below
3	325 611 R1	PINION, drive bevel	18	625 361 C1	CUP, planet gear carrier BRG 25389 and up
4	325 613 R91	GEAR, 334 087 R1, w/PINION, 325 611 R1, drive bevel (matched set)	19	325 319 R1	CAGE, planet carrier bearing (2) 25388 and below
5	334 087 R1	GEAR, drive bevel	19	624 461 C1	CAGE, planet carrier bearing 25389 and up
6	325 314 R1	RING, sprocket drive pinion shaft gear snap (2)	20	325 320 R2	NUT, planet carrier bearing adjusting (2)
7	325 323 R1	WASHER, bevel gear carrier thrust (2)	21	325 158 R1	LOCK, planet carrier bearing adjust- ing nut (2)
8	624 457 C1	GEAR, sprocket drive pinion shaft (2)		179-792	SCREW, 1/4x9/16" hex-hd cap (4)
9	325 316 R1	SHAFT, planet cluster gear (6)		103 319	WASHER, 1/4" lock (4)
10	612 733 C2	WASHER, steering planet cluster gear thrust (12)	22	325 161 R1	DISC, brake (2)
11	325 317 R2	SPACER, planet cluster gear needle bearing (6)		325 162 R1	BOLT, brake disc dowel (8)
12	321 981 R91	BEARING, planet cluster gear (12)		17 234 R1	NUT, dowel bolt (8)
13	325 315 R1	GEAR, planet cluster (6)	24	700 294 C91	HUB w/RING, 325 432 R1 (2)
14	334 086 R21	CARRIER, w/two BUSHING, 604 223 C1, planet gear (2)	25	325 432 R1	RING, sun gear and brake hub oil collector (2)
14	624 459 C91	CARRIER, w/two BUSHING, 604 223 C1, planet gear (2) 25389 and up			

TRACK DRIVE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRACK FRAME, SPRING, PIVOT SHAFT, CROSSBAR AND RELATED PARTS)
(Used With Sideboom Crawler Tractors)

TRACK FRAME, SPRING, PIVOT SHAFT, CROSSBAR AND RELATED PARTS)
(Used With Sideboom Crawler Tractors)



CE-96933

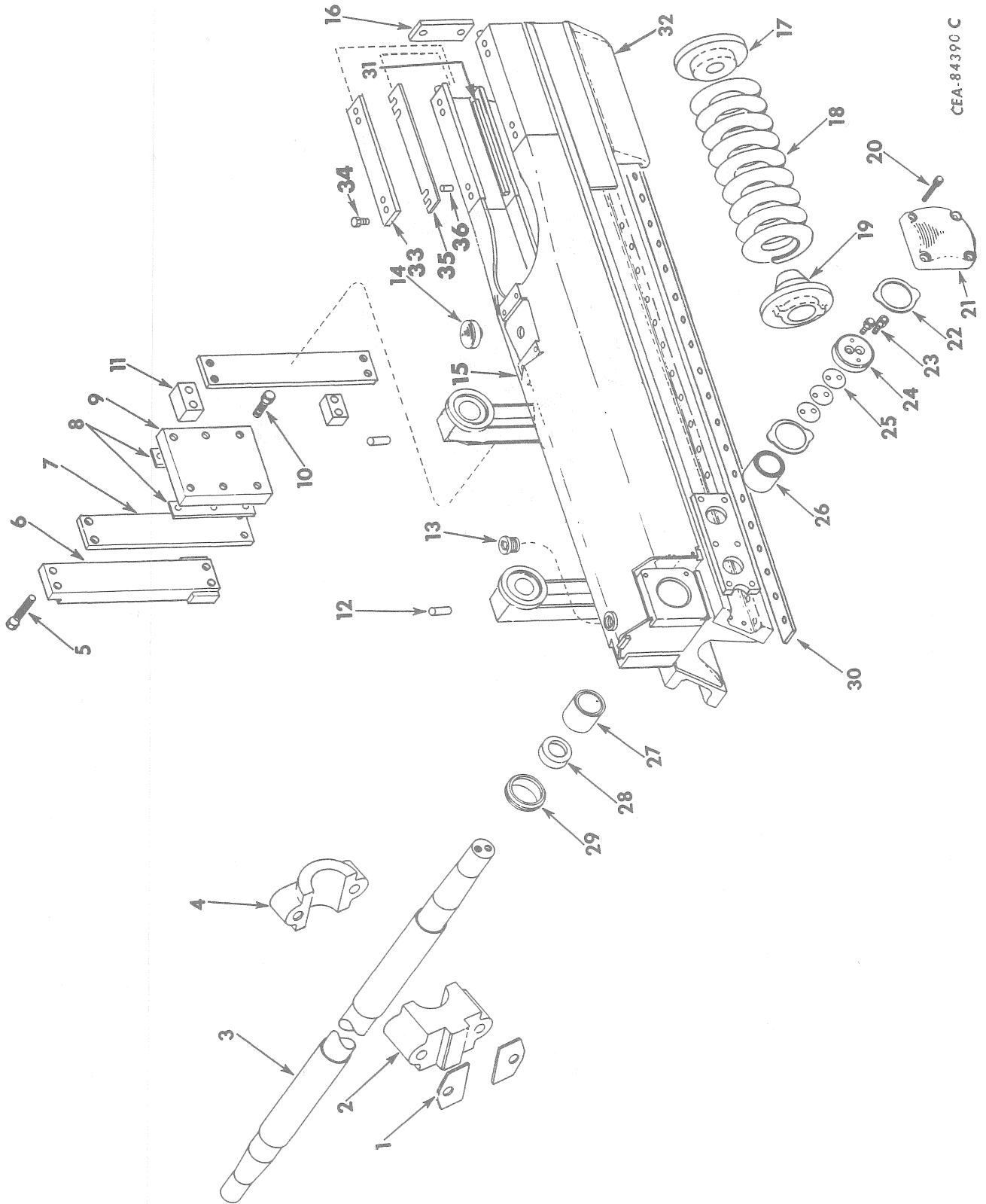
1	334 964 R1	SHIM, pivot shaft spacer (.060") (X)	12	334 428 R1	PLATE, pivot shaft wear (4)
1	334 965 R1	SHIM, pivot shaft spacer (.054") (X)	13	330 564 R1	BOLT, track frame thrust plate (4)
1	334 966 R1	SHIM, pivot shaft spacer (.048") (X)	14	334 390 R1	PLATE, track frame thrust (2)
1	334 967 R1	SHIM, pivot shaft spacer (.042") (X)	15	331 990 R1	SHIM, track frame pivot shaft (.060")(X)
1	612 710 C1	SHIM, pivot shaft spacer (.002) (X)	15	331 991 R1	SHIM, track frame pivot shaft (.105")(X)
1A		SPACER, pivot shaft (order 334 961 R91)	15	334 391 R1	SHIM, track frame pivot shaft (.007")(12)
2	334 388 R4	SHAFT, track frame pivot	15	334 392 R1	SHIM, track frame pivot shaft (.333")(4)
3		CAP, pivot shaft (order 334 961 R91)	15	334 393 R1	SHIM, track frame pivot shaft (.002")(4)
5	607 597 C11	CROSSBAR, rigid	15	334 393 R1	SHIM, track frame pivot shaft (.002")(4)
	271 700	1 x 2-1/4" hex-hd cap SCREW (16)	16	330 590 R2	BUSHING, pivot shaft outer (2)
6	337 701 R1	PIN, rigid bar (2)	17	334 424 R2	BUSHING, pivot shaft inner (2)
7	338 158 R1	RING, rigid bar wear (4)	18		SLEEVE (Not Furnished Separately)
8	338 157 R1	RING, pin retainer (4)	19	341 921 R92	SEAL w/SLEEVE, oil (2)
9	611 282 C92	FRAME w/BUSHING, 330 590 R2 and BUSHING, 334 424 R2, LH track	20	325 936 R1	SEAT, track spring rear (2)
9	611 283 C92	FRAME w/BUSHING, 330 590 R2 and BUSHING, 334 424 R2, RH track	21		SPRING, track (2)
10	330 563 R1	BOLT, pivot shaft cover (8)	22	325 935 R1	SEAT, track spring front (2)
11	334 423 R2	COVER, pivot shaft (2)		334 961 R91	CAP and SPACER, pivot shaft (2)
				19 991 R1	BOLT, pivot shaft cap (4)
				270 835 R1	PLUG, track frame pivot bracket filler (2)

X - As Required.

TRACK DRIVE

TRACK FRAME, SPRING, PIVOT SHAFT AND RELATED PARTS
(Not Used With Sideboom Crawler Tractors)

TRACK FRAME, SPRING, PIVOT SHAFT AND RELATED PARTS - Continued
(Not Used With Sideboom Crawler Tractors)



CEA-84390 C

TRACK DRIVE

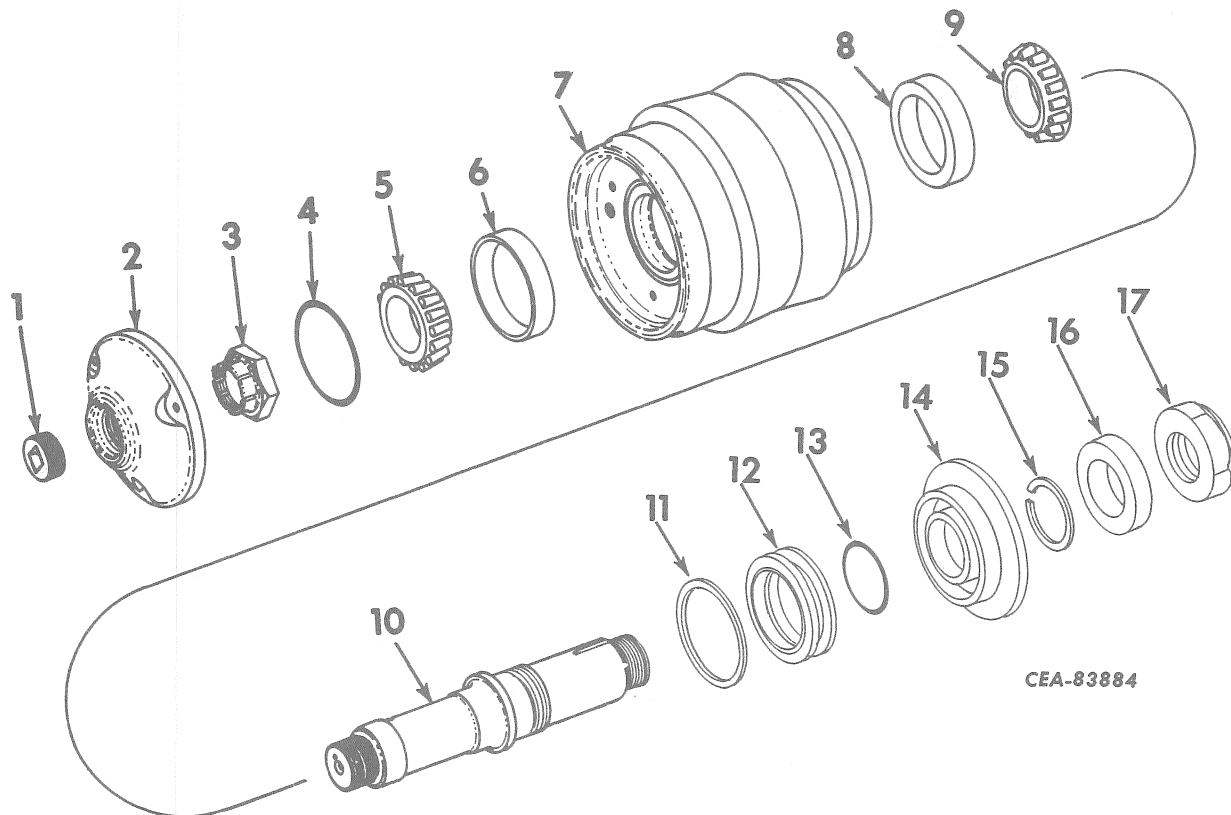
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRACK FRAME, SPRING, PIVOT SHAFT AND RELATED PARTS - Continued (Not Used With Sideboom Crawler Tractors)			TRACK FRAME, SPRING, PIVOT SHAFT AND RELATED PARTS - Continued (Not Used With Sideboom Crawler Tractors)		
1	334 964 R1	SHIM, pivot shaft spacer (.060) (X)	30	620 250 C1	SPACER, track roller shaft bracket (4)
1	334 965 R1	SHIM, pivot shaft spacer (.054) (X)			
1	334 966 R1	SHIM, pivot shaft spacer (.048) (X)	31	703 599 C1	PACKAGE, track frame front idler guide and wear bar service consists of Idler Bar Guide and Wear, IZG 8809 Guide and Wear Bar Installation, IZG 7408 Weld Instructions
1	334 967 R1	SHIM, pivot shaft spacer (.042) (X)			
1	612 710 C1	SHIM, pivot shaft spacer (.002) (X)			
2		SPACER, pivot shaft (order 334 961 R91)			
3	334 388 R2	SHAFT, track frame pivot	32	607 957 C2	BRACKET, front idler guide (2)
4		CAP, pivot shaft (order 334 961 R91)	33	620 121 C1	BAR, front idler guide and wear (upper) (2)
5	25 269 R1	BOLT, track frame guide retainer (1 NF x 4-1/2") (Type 8)	34	20 660 R1	BOLT, 5/8 x 1-5/8" (Front Idler Guide and Wear Bar) (4)
6	611 238 C11	RETAINER, track frame guide (2)	35	620 123 C1	SHIM, front idler guide and wear bar (6)
7	334 418 R1	PLATE, track frame guide wear (4)	36	19 838 R1	PIN, front idler guide and wear bar (4)
8	604 012 C1	SHIM, track frame guide plate (light) (.030) (X)	334 961 R91		CAP and SPACER, pivot shaft (2)
8	604 013 C1	SHIM, track frame guide plate (medium) (.060) (X)	19 991 R1		BOLT, pivot shaft cap (4)
8	604 014 C1	SHIM, track frame guide plate (heavy) (.120) (X)			
9	611 295 C1	PLATE, track frame guide (2)			
10	271 683	SCREW, 7/8 NF x 3-1/4" hex-hd cap (12)			
11	616 184 C1	SPACER, track frame guide (4)			
12	141 239	PIN, dowel (2)			
13	270 835 R1	PLUG, track frame pivot bracket filler (2)			
14	8 493 DA	PAD, equalizer bar (2)			
15	703 607 C91	FRAME w/BUSHING, 607 931 C1 and BUSHING, 607 932 C1 LH track			
15	703 608 C91	FRAME w/BUSHING, 607 931 C1 and BUSHING, 607 932 C1 RH track			
16	612 539 C1	STOP, front idler (4)			
	271 610	3/4 x 1-7/8" hex-hd cap SCREW (8)			
17	325 935 R1	SEAT, track spring front (2)			
18	325 934 R2	SPRING, track (2)			
19	325 936 R1	SEAT, track spring rear (2)			
20	330 563 R1	BOLT, pivot shaft cover (8)			
21	334 423 R1	COVER, pivot shaft (2)			
22	334 428 R1	PLATE, pivot shaft wear (4)			
23	330 564 R1	BOLT, track frame thrust plate (4)			
24	334 390 R1	PLATE, track frame thrust (2)			
25	331 990 R1	SHIM, track frame pivot shaft (.060)(X)			
25	331 991 R1	SHIM, track frame pivot shaft (.105)(X)			
25	334 392 R1	SHIM, track frame pivot shaft (.003)(X)			
25	334 391 R1	SHIM, track frame pivot shaft (.007)(X)			
25	334 393 R1	SHIM, track frame pivot shaft (.002)(X)			
26	607 931 C1	BUSHING, pivot shaft outer (2)			
27	607 932 C1	BUSHING, pivot shaft inner (2)			
28		SLEEVE (Not Furnished Separately)			
29	341 921 R92	SEAL w/SLEEVE, oil			X - As Required.

TRACK DRIVE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRACK IDLER

TRACK IDLER - Continued



CEA-83884

607 922 C91	IDLER ASSY, track (4) (Consists of Ref. Nos. 1 thru 15)	12	604 186 C91	OIL SEAL w/PAMPHLET, 1 019 247 R1 metal face type track idler (4)
1	271 647 R1 PLUG, cap (4)	12	606 132 C91	PACKAGE, track idler oil seal field service (Consists of two WASHER, two BAND, two WIPER and PAM- PHLET, 1 019 085 R1)
2	325 974 R1 CAP (4) 179 860 7/16 x 1-1/4" hex-hd cap SCREW (12) 103 322 7/16" lock WASHER (12)	12	606 625 C91	PACKAGE, reunitionization field service (Consists of fifty plastic retainer bands) (X)
3	325 973 R1 NUT (4) 119 196 5/32 x 2-1/8" cotter PIN (4)	13	310 936 R1	"O" RING (2-1/4 x 2-1/2 x 1/8") (4)
4	301 314 R1 "O" RING (4-3/8 x 4-5/8 x 1/8") (4)	14	607 907 C1	RETAINER, seal (4)
5	56 934 D CONE, outer bearing (4)	15	606 936 C1	RING, snap (4)
6	105 497 H CUP, outer bearing (4)	16	331 994 R1	WASHER, track idler (4)
7	607 923 C91 IDLER (4)	17	18 583 R1	NUT, Esna (4)
8	105 497 H CUP, inner bearing (4)			
9	327 195 R91 CONE, inner bearing (4)			
10	607 925 C1 SHAFT (4)			
11	607 926 C1 RETAINER, seal (4)			

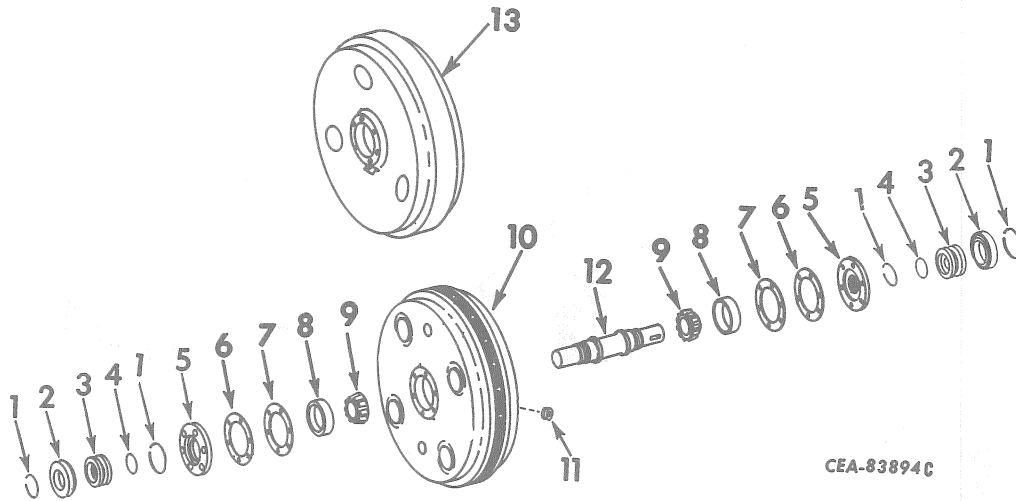
X - As Required.

TRACK DRIVE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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FRONT IDLER

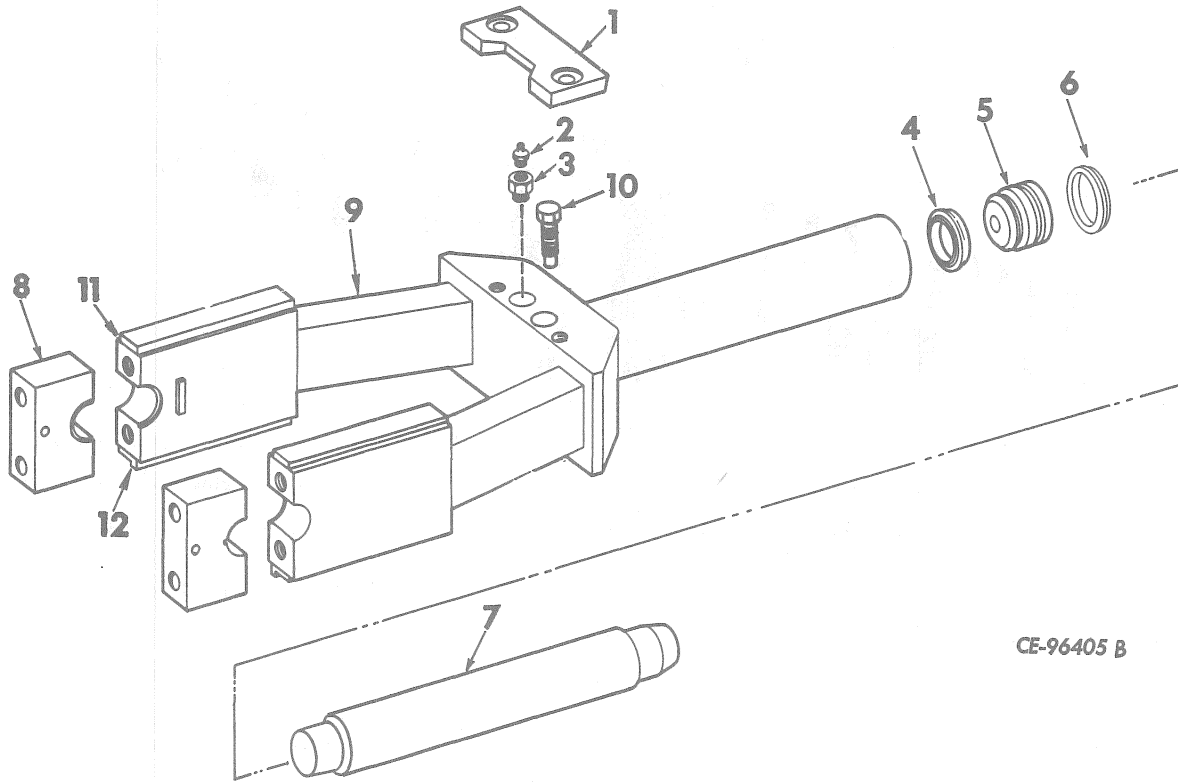
FRONT IDLER - Continued



1	606 936 C1	RING, snap (4)	6	607 905 C1	SHIM, bearing retainer (.030) (2)
2	620 119 C1	RETAINER, seal (2)	7	607 904 C1	SHIM, bearing retainer (.0075)(X)
3	604 186 C91	OIL SEAL w/PAMPHLET, 1 019 247 R1 metal face type front idler (4)	8	ST 972	CUP, front idler shaft roller bearing (4)
3	606 132 C91	PACKAGE, front idler oil seal field service (Consists of two WASHER, two BAND, two WIPER and PAMPHLET, 1 019 085 R1)	9	ST 2 045	CONE, front idler shaft roller bearing (4)
3	606 625 C91	PACKAGE, reunitionization field service (Consists of fifty plastic retainer bands) (X)	10	325 952 R21	IDLER w/PLUG, 270 835 R1, front (Optional w/FRONT IDLER, 628 220 C91) (2)
4	293 726 R1	"O" RING (3-1/4 x 2-1/2 x 1/8") (2)	11	270 835 R1	PLUG, lubrication (2)
5	620 134 C1	RETAINER, front idler bearing	12	607 903 C2	SHAFT, front idler (2)
	181 431	1/2 NF x 1-1/2" hex-hd cap SCREW (12)	13	628 220 C91	IDLER w/PLUG, 270 835 R1, front (Optional w/IDLER, 325 952 R21) (2)
	103 323	1/2" lock WASHER (12)			X - As Required.

TRACK DRIVE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC TRACK ADJUSTING FORK AND RELATED PARTS			HYDRAULIC TRACK ADJUSTING FORK AND RELATED PARTS - Continued		



CE-96405 B

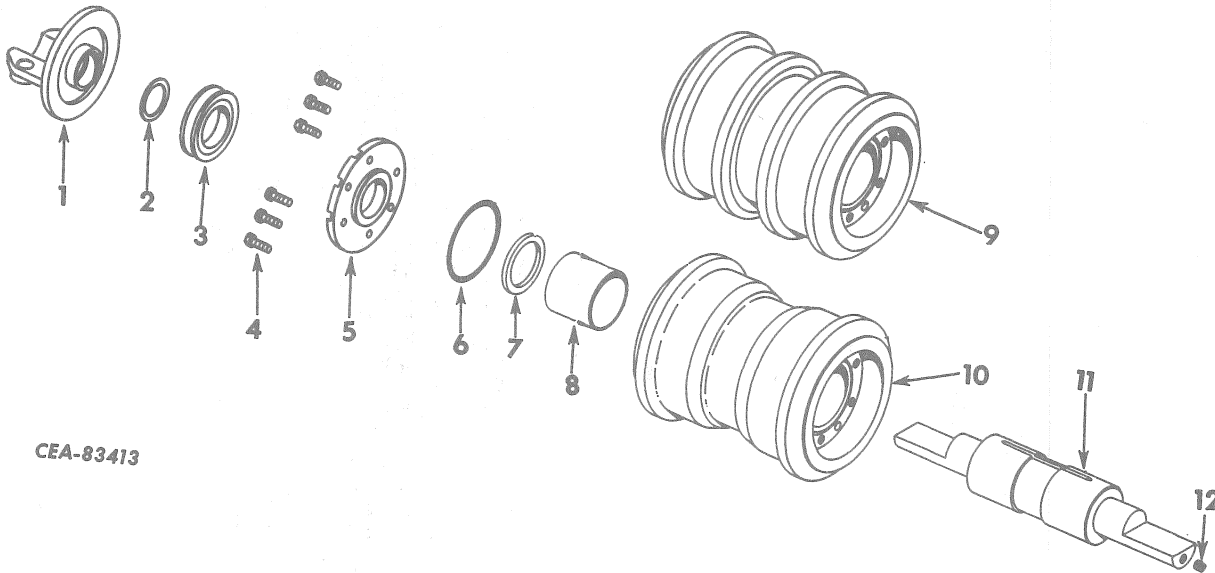
1	607 921 C1 291 558	SCRAPER, front idler (2) 5/8 x 1-1/2" hex-hd cap SCREW(4)	10	700 171 C92	VALVE, hydraulic track adjuster relief and ball check
2	109 461	FITTING, 1/8" hydraulic track adjusting piston lubrication (2)	11	607 915 C1	PLATE, wear (Part of PACKAGE 620 319 C91)
3	319 628 R91	BALL, crossplate lubrication inlet check (2)	11	620 319 C91	PACKAGE, front idler fork and wear plate service (Consists of PLATE, wear 607 915 C1, IZG 8999 front idler fork wear bar location and, IZG 7408 weld instructions) (each PACKAGE contains one bar)
4	607 918 C1	SEAL, hydraulic track adjuster piston (2)	12	620 318 C91	PACKAGE, front idler guide bar service (Consists of guide wear bar, IZG 8999 front idler wear bar location, and IZG 7408 weld instructions) (each PACKAGE contains one bar)
5	607 917 C1	PISTON, hydraulic track adjusting (2)	624 841 C91	PACKAGE, front idler block (Consists of block, front idler shaft, cap 624 462 C1, 2 bolt 7/8 x 3-3/4" and print of fork assy.)	
6	607 919 C1	SCRAPER, hydraulic track adjuster piston (2)			
7	620 251 C2	ROD, hydraulic track adjusting (2) (Not for sideboom crawler tractors)			
7	607 623 C1	ROD, hydraulic track adjusting (2) (For sideboom crawler tractors)			
8	624 462 C1 271 663	CAP, front idler fork 7/8 x 3-3/4" hex-hd cap SCREW			
9	703 323 C91	FORK, front idler			

TRACK DRIVE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRACK ROLLER

TRACK ROLLER - Continued



CEA-83413

	604 922 C91	ROLLER and SHAFT ASSY, track (single flange) (6)	4	345 707 R1	BOLT, bushing retainer (144 for Dozer) (168 for Sideboom)
	604 923 C91	ROLLER and SHAFT ASSY, track (double flange) (6 for Dozer) (8 for Sideboom) (Consists of the following parts -	5	393 120 R1	RETAINER, bushing (24 for Dozer) (28 for Sideboom)
1	604 924 C1	BRACKET, track roller shaft (24 for Dozer) (28 for Sideboom)	6	270 513 R1	RING, sealing (24 for Dozer) (28 for Sideboom)
	19 885 R1	PIN, coiled spring (24 for Dozer) (28 for Sideboom)	7	624 762 C1	WASHER, thrust (24 for Dozer) (28 for Sideboom)
	271 614	3/4 x 2-3/4" hex-hd cap SCREW (48 for Dozer)	7	341 877 R1	WASHER, thrust (.015" oversize)(X)
	271 613	3/4 x 2-1/2" hex-hd cap SCREW (56 for Sideboom)	8	305 449 R2	BUSHING, track roller (24 for Dozer) (28 for Sideboom)
2	843 797 R1	"O" RING (2-3/8 x 2-5/8 x 1/8") (24 for Dozer) (28 for Sideboom)	8	305 544 R1	BUSHING, track roller (.030" oversize) (X)
3	604 186 C91	OIL SEAL w/PAMPHLET, 1 019 247 R1 metal face type track roller (4)	9	305 442 R92	ROLLER with two BUSHING 305 449 R2 track (double flange). (6 for Dozer) (8 for Sideboom)
3	606 132 C91	PACKAGE, track roller oil seal field service (Consists of two WASHER, two BAND, two WIPER and PAMPHLET, 1 019 085 R1)	10	305 441 R92	ROLLER with two BUSHING 305 449 R2 track (single flange) (6)
3	606 625 C91	PACKAGE, reunitionization field service (Consists of fifty plastic retainer bands) (X)	11	325 950 R92	SHAFT, track roller (12 for Dozer) (14 for Sideboom)
			12	270 835 R1	PLUG, track roller lubrication (12 for Dozer) (14 for sideboom)

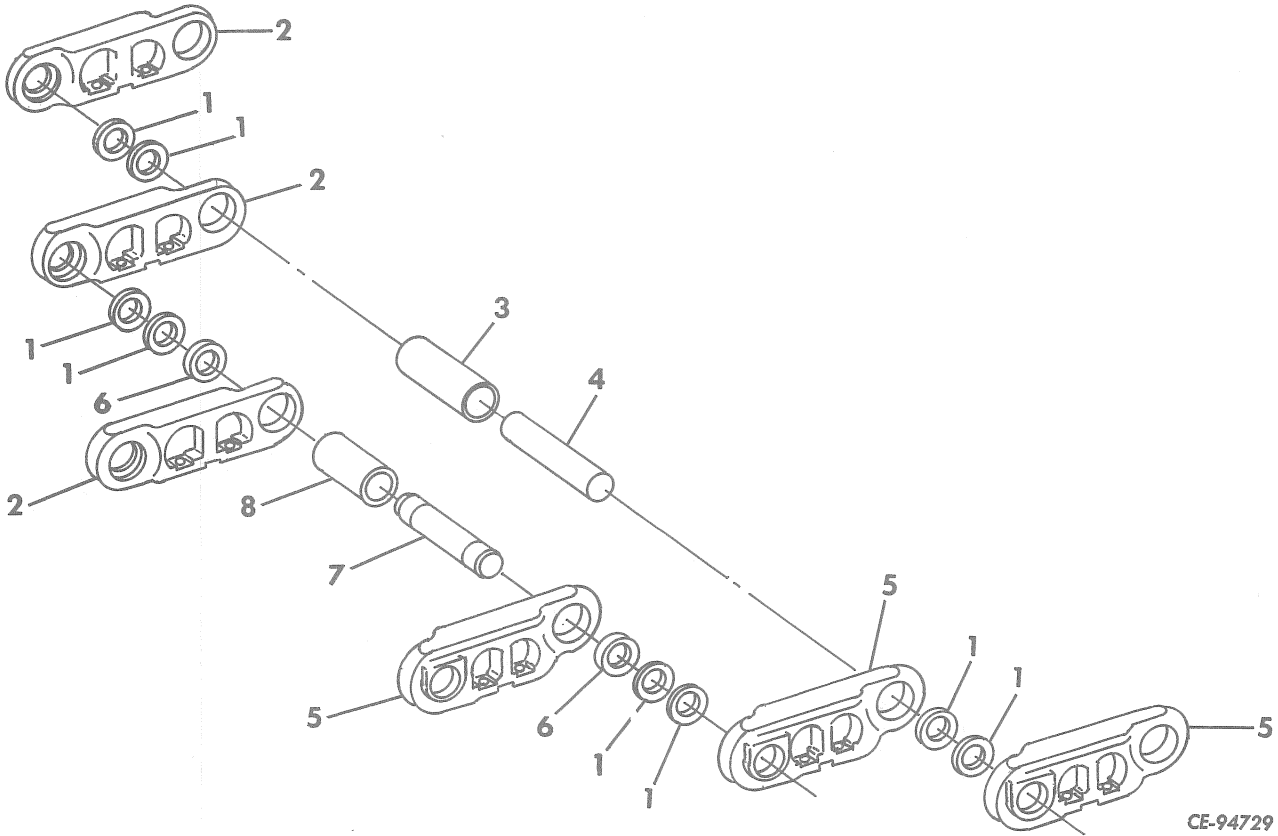
X - As Required.

-132-
TRACK DRIVE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRACK CHAIN AND TRACK CHAIN WITH SHOES

TRACK CHAIN AND TRACK CHAIN WITH SHOES - Continued



Parts without letters after the description indicate the part is used for all Track Assemblies listed below: Letters A and B are used to identify separate Track Assemblies.

A	624 847 C91	TRACK ASSY, less shoes (used with sideboom crawler tractors)	607 635 C94	CHAIN, track assy (with 24" clipped corner shoes) (for side boom tractors)(*) (Composed of - 172 BOLT 624 848 C1 172 NUT 616 226 C1 43 SHOE 624 890 C1 1 TRACK 624 847 C91)
B	703 622 C91	TRACK ASSY, less shoes (not used with sideboom crawler tractors)	620 259 C91	CHAIN, track assy (with 20" clipped corner shoes) (not for side boom tractors) (*) (Composed of - 168 BOLT 624 848 C1 168 NUT 616 226 C1 42 SHOE 624 888 C1 1 TRACK 703 622 C1)
1	616 203 C1	SEAL, track chain bushing (168 for track B; 172 for track A)	620 260 C91	CHAIN, track assy (with 22" clipped corner shoes) (not for side boom tractors) (*) (Composed of - 168 BOLT 624 848 C1 168 NUT 616 226 C1 42 SHOE 624 888 C1 1 TRACK 703 622 C91)
2	624 844 C1	LINK, track LH (42 for track B; 43 for track A)	620 261 C91	CHAIN, track assy (with 24" clipped corner shoes) (not for side boom tractors) (*) (Composed of - 168 BOLT 624 848 C1 168 NUT 616 226 C1 42 SHOE 624 890 C1 1 TRACK 703 622 C91)
3	325 467 R1	BUSHING, track chain (41 for track B; 42 for track A)		
4	325 465 R1	PIN, track chain (41 for track B; 42 for track A)		
5	624 845 C1	LINK, track RH (42 for track B; 43 for track A)		
6	616 205 C1	SPACER, master link (2)		
7	616 206 C1	PIN, master		
8	325 468 R1	BUSHING, master		
	607 634 C94	CHAIN, track assy (with 22" clipped corner shoes) (for side boom tractors)(*) (Composed of - 172 BOLT 624 848 C1 172 NUT 616 226 C1 43 SHOE 624 889 C1 1 TRACK 624 847 C91)		

(*) - Above Chains Service One Side of Tractor. Order Any Two of Above Assemblies to Service Both Sides of Tractors.

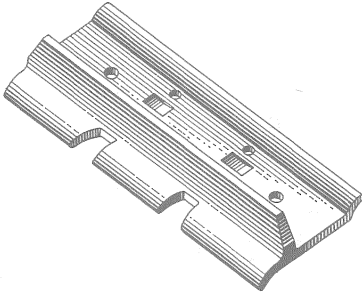
TRACK DRIVE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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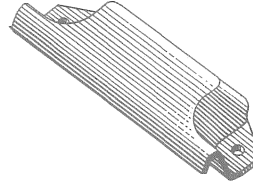
TRACK SHOES

TRACK SHOES - Continued

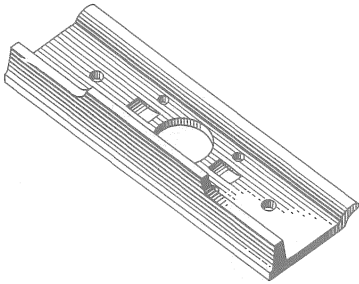
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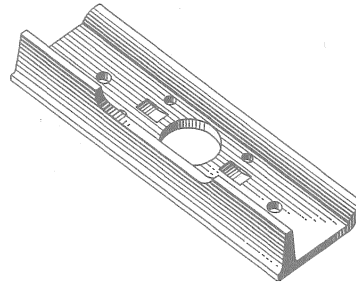
Clipped corner



Street plate



Center lug ice grouser



End lug ice grouser

IPA-78102

CLIPPED CORNER

- 624 888 C1 SHOE, track 20" (Standard)(*)(84)
- 624 889 C1 SHOE, track 22" (Standard)(+)(86)
- 624 889 C1 SHOE, track 22" (part of ATTACHMENT, 620 255 C91)(*)(84)
- 624 890 C1 SHOE, track 24" (part of ATTACHMENT, 620 256 C91)(*)(84)
- 624 890 C1 SHOE, track 24" (part of ATTACHMENT, 624 898 C91) (+) (86)
- 624 848 C1 BOLT, track shoe (344 for sideboom) (336 for power shift)
- 616 226 C1 NUT, track shoe bolt (336 for powershift 344 for sideboom)
- 620 255 C91 ATTACHMENT, track shoe (includes 84 SHOE 624 889 C1, 336 BOLT 624 848 C1 and 336 NUT 616 226 C1) (See NOTE 1 and 3)(*)
- 620 256 C91 ATTACHMENT, track shoe (includes 84 SHOE 624 890 C1, 336 BOLT 624 848 C1 and 336 NUT 616 226 C1) (See NOTE 1 and 3)(*)
- 624 898 C91 ATTACHMENT, track shoe (includes 86 SHOE 624 890 C1, 344 BOLT 624 848 C1 and 344 NUT 616 226 C1) (See NOTE 1 and 3)(+)

STREET PLATE

- 620 258 C91 ATTACHMENT, track (Half Set) (Includes 42 SHOES 46 686 DA, 84 3/4" NF NUT, 84 3/4 NF x 2-1/4" hex-hd cap SCREW and 84 SPACER 320 947 R1) (See NOTES 1 and 3)(*)

STAGGERED LUG GROUSER

- 624 892 C1 SHOE, track center lug grouser 20" (Part of ATTACHMENT 620 257 C91) (*)(42)
- 624 893 C1 SHOE, track end lug grouser 20" (Part of ATTACHMENT 620 257 C91) (*)(42)
- 624 848 C1 BOLT, track shoe (336)
- 616 226 C1 NUT, track shoe bolt (336)
- 620 257 C91 ATTACHMENT, staggered lug grouser (Includes 42 SHOES 624 892 C1, 42 SHOES 624 893 C1, 336 BOLT 624 848 C1 and 336 NUT 616 226 C1) (See NOTES 1 and 3)(*)
- 624 874 C91 PACKAGE, track shoe nut and bolt field service (Consists of - 344 BOLT 624 848 C1 344 NUT 616 226 C1)

(+)-For sideboom

(*)-Not for sideboom

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

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

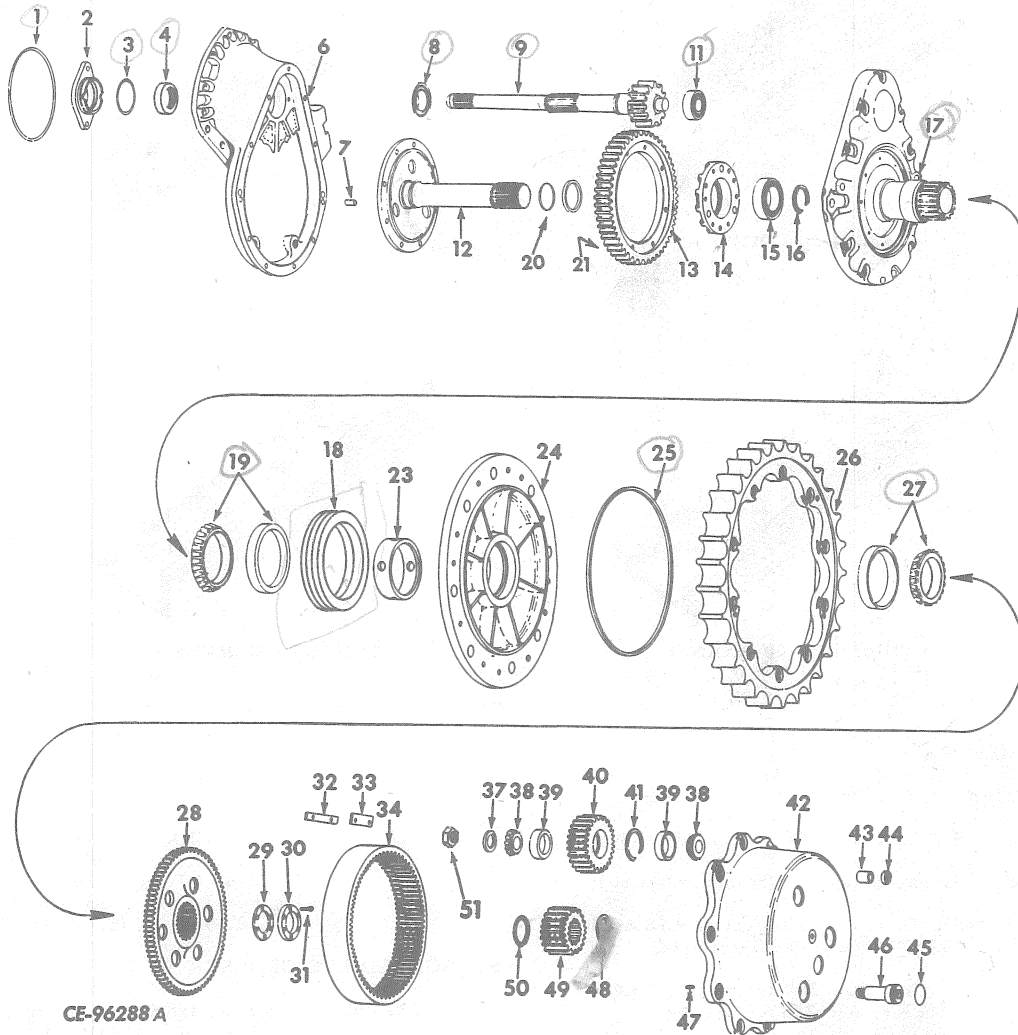
FINAL DRIVE

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

SPROCKET DRIVE AND SPROCKET - Continued

331874R3



CE-96288 A

1	324 045 R1	RING, sprocket drive carrier sealing (2)	6	659 607 C91	CARRIER w/two DOWEL, 334 131 R1 and three SCREW, 624 964 C1, RH sprocket drive (together with thirteen SCREW, 25 910 R1 and thirteen WASHER, 659 605 C1 will work for CARRIER, 628 051 C91)
2	325 847 R3 179 883 103 323	RETAINER, pinion gear oil seal (2) SCREW, 1/2 x 1-1/4" hex-hd cap (4) WASHER, 1/2" lock (4)		336 521 R1 336 519 R1 336 520 R1 624 964 C1	NUT, sprocket drive carrier (12) BOLT, sprocket drive carrier (16) BOLT, sprocket drive carrier (16) SCREW, oval point puller (6)
3	610 412 C1	"O" RING, pinion gear seal retainer (4-5/8 x 4-7/8 x 1/8") (2)	7	334 131 R1	DOWEL, sprocket drive carrier (4)
4	610 869 C91	OIL SEAL, pinion gear (2)	8	271 780 R91	BEARING, pinion gear inner (2)
6	659 606 C91	CARRIER w/two DOWEL, 334 131 R1 and three SCREW, 624 964 C1, LH sprocket drive (together with thirteen SCREW, 25 910 R1 and thirteen WASHER, 659 605 C1 will work for CARRIER 628 050 C91)	9	654 695 C1	PINION, sprocket drive (2)
			11	271 771 R91	BEARING, pinion gear outer (2)

FINAL DRIVE

QTY.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ROCKET DRIVE AND SPROCKET - Continued					
				24 892 R1	SCREW, hex-hd cap (Used w/COVER, 616 129 C21) (26)
				25 910 R1	SCREW, hex-hd cap (Used w/COVER, 659 608 C91) (26)
659 607 C92		CARRIER w/two DOWEL, 334 131 R2, two PLUG, 104 941, and three PLUG, 104 940 RH sprocket drive (Together with thirteen SCREW, 25 310 R1 and thirteen WASHER, 659 050 C1, will work for CARRIER, 628 050 C91)		624 965 C1	SCREW, oval point puller (6) % and Below
26 083 R1		NUT, sprocket drive carrier (12)		25 538 R1	WASHER, hardened (Used with COVER, 616 129 C21) (26)
336 519 R1		SCREW, hex-hd cap (16) 27000 and Below		659 605 C1	WASHER, hardened (Used with COVER, 659 608 C91) (26)
26 274 R1		SCREW, Nylon Pellet hex-hd cap (16) 27001 and Up	17	705 172 C91	COVER w/four PLUG, 104 938, sprocket drive carrier 27358 and Up
336 520 R1		BOLT, sprocket drive carrier (16)	18	662 594 C91	SEAL, sprocket drive (2)
334 131 R2		DOWEL, sprocket drive carrier (4)		or	
631 633 C91		BEARING, pinion gear inner (2)	18	662 587 C92	SEAL, sprocket drive (2)
654 695 C1		PINION, sprocket drive (2)		or	
631 635 C91		BEARING, pinion gear outer (2)	18	662 600 C91	SEAL, sprocket drive (2)
612 784 C94		CARRIER, sprocket drive gear (Together with 20 NUT, 25 528 R1, 20 SCREW, 24 876 R1, SPACER 628 291 C1, and RING, 285 724 R1 will work for CARRIER, 612 784 C92) (2)	18	662 610 C92	KIT, sprocket drive seal (Consists of two WIPERS, two rubber RING, and installation PAMPHLET (Service KIT for Seal, 662 587 C92)
24 876 R1		SCREW, hex-hd cap (*) (40)			
25 528 R1		NUT, (*) (40)			
325 849 R2		GEAR, sprocket drive (Together with 20 NUT, 25 528 R1, and 20 SCREW, 24 876 R1, will work for GEAR, 325 849 R1) (2)			
325 904 R2		RETAINER, bull gear bearing (Together with BEARING, 327 108 R92, will work for RETAINER, 325 904 R1) (2)			
24 861 R1		SCREW, hex-hd cap (12)			
116 121		WASHER, lock (12)			
327 108 R92		BEARING, sprocket drive gear (Together with RETAINER, 325 904 R2, will work for BEARING, 327 108 R91) (2)			
331 879 R1		RING, sprocket drive gear bearing retainer snap (2)			
659 608 C92		COVER w/four PLUG, 104 938, sprocket drive (Together with thirteen WASHER, 659 605 C1, will work for COVER, 616 129 C21) (2)			
104 938		PLUG, cork 27 357 and Below			

(*) - Twenty NUT, 25 528 R1 and twenty SCREW, 24 876 R1, will work for NUT, 454 522 R1, SCREW, 325 291 R2 or SCREW, 884 387 R1.

NOTE - When SCREW, 25 336 R1 is used, bearing retainer plate must be turned 180° to have screw heads contact the flat surface of the plate rather than the counterbored surface.

(%) - Serial Number Not Available.

(x) - As Required.

FINAL DRIVE

PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CKET DRIVE AND SPROCKET — Continued				
338 261 R91	BEARING, sprocket drive inner (2)	26	662 552 C91	SPROCKET w/three PLUG, 104 940, and six WASHER, 25 548 R1 narrow (Part of ATTACHMENT, 632 192 C91) (2)
285 724 R1	"O" RING, sprocket drive gear carrier spacer tension (2)		655 323 C3 24 891 R1	PIN, dowel (8) SCREW, hex-hd cap (2-3/4" long) (8)
628 291 C1	SPACER, sprocket drive gear carrier (2)		24 888 R1	SCREW, hex-hd cap (2" long) (12)
331 881 R1	SPACER, sprocket drive bearing (2)		39 422 D 25 548 R1	WASHER, hardened (12) WASHER, flat (12)
628 180 C2	CARRIER, sprocket (Together with eight DOWEL, 325 906 R2 and eight SCREW, 24 892 R1, will work for CARRIER, 616 126 C2) (Order CARRIER, 705 166 C1) (2)	26	707 721 C91	SPROCKET w/three PLUG, 104 940 (7.5 pitch) (Not used with Narrow Sprocket ATTACHMENT) (2)
223 456	SCREW, 3/4 x 3 -1/2" hex-hd cap (Used with DOWEL, 325 906 R1) (8)	26	707 722 C91	SPROCKET w/three PLUG, 104 940 (8.5 pitch) (Not used with Narrow Sprocket ATTACHMENT) (2)
24 892 R1	SCREW, 3/4 x 3" hex-hd cap (Used with CARRIER, 628 180 C1 and DOWEL, 325 906 R2, also used with SPROCKET, 629 525 C91 and DOWEL, 655 323 C2) (8) 25841 and Below		25 518 R1 25 540 R1	SCREW, hex-hd cap (20) WASHER, hardened (20)
24 890 R1	SCREW, 3/4 x 2-1/2" hex-hd cap (Used with DOWEL, 655 323 C2) (8) 25842 to 27615	26	707 723 C91	SPROCKET w/three PLUG, 104 940, narrow (Part of ATTACHMENT, 662 856 C91) (2)
705 166 C1	CARRIER, sprocket (Will work for CARRIER, 628 180 C2, also together with eight DOWEL, 325 906 R2 and eight SCREW, 24 892 R1, will work for CARRIER, 616 126 C2) (2) 27358 to 27615		25 518 R1 25 540 R1	SCREW, hex-hd cap (4) WASHER, hardened (40)
662 793 C1	CARRIER, sprocket 27616 and Up	26	662 570 C91	SPROCKET w/three PLUG, 104 940 and six WASHER, 25 548 R1, narrow (7.5 pitch) (Part of ATTACHMENT, 662 571 C91)
327 130 R1	RING, planet carrier sealing (2)		24 892 R1 24 889 R1	SCREW, (3" long) hex-hd cap (8) SCREW, (2-1/4" long) hex-hd cap (12)
629 525 C91	SPROCKET w/three PLUG, 104 940 and six WASHER, 25 548 R1 (Together with four DOWEL, 655 323 C2 and four SCREW, 24 892 R1, will work for SPROCKET, 325 905 R21) (2) 25841 and Below	27	338 998 R91	BEARING, sprocket carrier outer (2)
24 890 R1	SCREW, hex-hd cap (8)	28	331 877 R2	HUB, sprocket drive ring gear (2)
24 888 R1	SCREW, hex-hd cap (12)	29	331 882 R1	SHIM, bearing retainer (.0149") (x)
39 422 D	WASHER, hardened (12)	29	331 883 R1	SHIM, bearing retainer (.0070") (x)
104 940	PLUG, cork (6)	29	331 884 R1	SHIM, bearing retainer (.0040") (x)
25 548 R1	WASHER, flat (12)	30	331 880 R2	PLATE, bearing retainer (See NOTE) (Order PLATE, 611 242 C1 and six SCREW, 25 336 R1) (2)
662 524 C91	SPROCKET, w/three PLUG, 104 940 and six WASHER, 25 548 R1 (2) 25842 to 27615	30	611 242 C1	PLATE, bearing retainer (Together with six SCREW, 25 336 R1 will work for PLATE, 331 880 R2) (2)
104 940	PLUG, cork (6)		25 336 R1	SCREW, hex-hd cap (12)
24 888 R1	SCREW (2" long) hex-hd cap (12)			
24 891 R1	SCREW (2-3/4" long) hex-hd cap (8)			
39 891 R1	WASHER, hardened (12)			
<p>NOTE - When SCREW, 25 336 R1 is used, bearing retainer plate must be turned 180° to have screw heads contact the flat surface of the plate rather than the counterbored surface.</p> <p>(x) - As Required.</p>				

FINAL DRIVE

PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ROCKET DRIVE AND SPROCKET – Continued				
25 336 R1	SCREW, 5/8 x 1-7/8" hex-hd cap (Six SCREW, 25 336 R1, will work for SCREW, 338 997 R1, on each bearing retainer plate) (See NOTE) (12)	43	655 323 C3	DOWEL, sprocket and planet carrier (Used with CARRIER, 628 180 C1 or 628 181 C91, also used with SPROCKET, 629 525 C91 when used to replace SPROCKET, 325 905 R21) (16)
	SCREW, hex-hd cap (Six SCREW, 25 336 R1, will work for SCREW, 338 997 R1, on each bearing retainer plate) (See NOTE) (12)			
	SCREW, hex-hd cap (12)	44	325 907 R1	WASHER, dowel (Used with DOWEL, 325 906 R1)
325 858 R1	LOCK, retainer plate bolt (6)			
179 881	SCREW, hex-hd cap (12)	45	382 432 R1	"O" RING, planet gear shaft (Used w/SHAFT, 612 686 C1) (3)
325 857 R1	PLATE, sprocket drive ring gear retaining (6)	45	343 922 R1	"O" RING, planet gear shaft (Used w/SHAFT, 616 233 C1) (3)
334 886 R1	GEAR, sprocket drive ring (2)	46	612 686 C1	SHAFT, planet gear (6)
325 286 R1	SPACER, planet gear bearing (6)	47	141 199	DOWEL, planet shaft (6)
327 172 R91	CONE, planet gear roller bearing (12)	48	331 879 R1	RING, sun gear retainer snap (2)
327 123 R1	CUP, planet gear roller bearing (12)	49	331 878 R1	GEAR, sun (2)
334 888 R1	GEAR, planet (6)	50	331 879 R1	RING, sun gear retainer snap (2)
325 901 R1	RING, planet gear bearing snap (6)	51	19 256 R1	NUT, planet gear shaft (Esna) (6)
628 181 C91	CARRIER w/three SCREW, 624 965 C1, planet gear (Together with four DOWEL, 655 323 C2 and four SCREW, 24 892 R1, will work for CARRIER, 612 687 C11) (2)	52	104 940	PLUG, cork (6)
	27615 and below	53	104 941	PLUG, cork (4)
223 456	SCREW, 3/4 x 3-1/2" hex-hd cap (Used with DOWEL, 325 906 R1) (8)	54	320 185 C1	PLUG, magnetic drain (4)
24 892 R1	SCREW, 3/4 x 3" hex-hd cap (Used with CARRIER, 628 181 C91 and DOWEL, 655 323 C3) (8) 25841 and below	55	104 938	PLUG, cork (8)
24 891 R1	SCREW, 3/4 x 2-1/2" hex-hd cap (Used with DOWEL, 655 323 C3) (8) 25842 to 27615	56	104 940	PLUG, cork (6)
24 888 R1	SCREW, 3/4 x 2" hex-hd cap (12)	57	104 940	PLUG, cork (6)
	27615 and below	58	320 185 C1	PLUG, magnetic drain (2)
39 422 D	WASHER, hardened (12)	59	272 925 R1	GASKET, oil level plug (2)
624 965 C1	SCREW, oval point puller (6)	60	324 907 R1	PLUG, sq. sol. oil level magnetic (2)
662 850 C92	CARRIER w/three PLUG, 104 940, planet gear (2)		360 610 R1	RING, brake cooling port sealing (2)
25 518 R1	SCREW, hex-hd cap (20)			
25 540 R1	WASHER, hardened (20)			
	27616 and Up			
325 906 R2	DOWEL, sprocket and planet carrier (Used with CARRIER, 612 687 C11)			
		NOTE 2		Field Application - Order on Machine Order Form.
		NOTE 3		Field Application - Order through Regular Service Parts Channels.

FINAL DRIVE

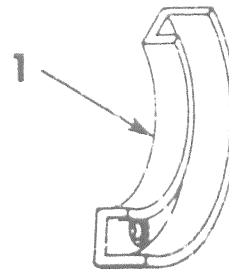
PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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SPROCKET DRIVE COVER SEAL GUARD

629 323 C92 ATTACHMENT, severe service suspension (Order two of the desired track chain w/shoe assemblies) (See NOTE 3) 25841 and Below

(Consists of -

8 DOWEL	655 323 C3
12 SCREW	24 888 R1
8 SCREW	24 892 R1
2 SPROCKET	662 524 C91
12 WASHER	39 422 D)



CE-105829

632 192 C91 ATTACHMENT, narrow sprocket (See NOTE 2)

(Consists of -

8 PIN	655 323 C3
8 SCREW	24 891 R1
12 SCREW	24 888 R1
2 SPROCKET	662 552 C91
12 WASHER	39 422 D)

25842 to 27615

629 747 C91 ATTACHMENT, sprocket drive cover seal guard (See NOTE 1)

(Consists of the following -

1 659 653 C1	SECTOR, guard ring
25 272 R1	SCREW, hex-hd cap (8)

662 571 C91 ATTACHMENT, narrow sprocket (See NOTE 2)

(Consists of -

8 BOLT	24 892 R1
12 BOLT	24 889 R1
8 DOWEL	655 323 C3
2 SPROCKET	662 570 C91

25841 and below

662 856 C91 ATTACHMENT, narrow sprocket (See NOTE 2)

(Consists of -

2 BOLT	25 518 R1
2 SPROCKET	707 723 C91
20 WASHER	25 540 R1)

27616 and Up

NOTE: If a bolted on sprocket is desired, to replace a dowel mounted sprocket, the following parts may be ordered for serial number 27615 and below for machines not equipped with Severe Service Suspension:

The following quantities are for one side of the tractor only.

20 BOLT	25 518 R1
1 PLANET GEAR	
CARRIER	662 850 C91
1 SPROCKET	707 721 C91
1 SPROCKET	
CARRIER	662 793 C1
20 WASHER	25 540 R1)

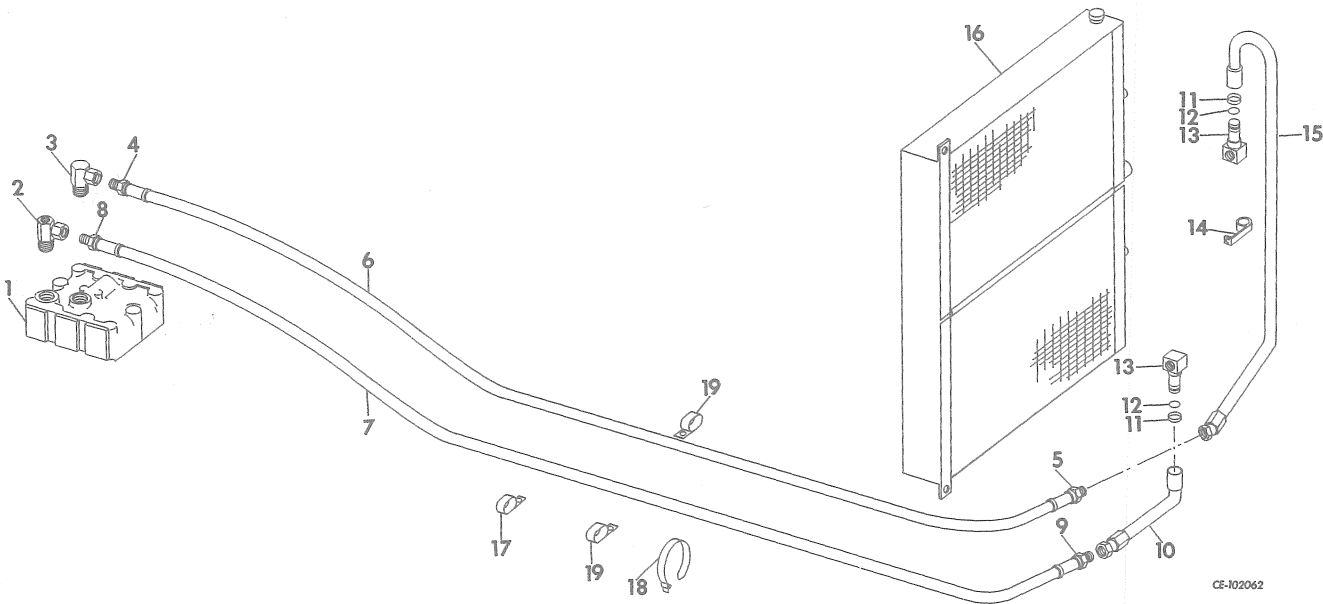
NOTE 3 - Field Application - Order through Regular Service Parts Channels.

HYDRAULIC SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRANSMISSION OIL COOLER AND PIPING
(Manual Shift Custom)

TRANSMISSION OIL COOLER AND PIPING - Continued
(Manual Shift Custom)



1	VALVE, regulator (For components see list of parts under details of "REGULATOR VALVE")	12	650 255 C1	RING, elbow sealing (2)
2	656 531 C92	13	611 079 C1	ELBOW, oil cooler (2)
3	657 507 C1	14	611 074 C1	CLAMP, upper oil cooler pipe
4	319 753 R91	180 145		SCREW, 7/16 x 1" hex-hd cap
5	319 753 R91	103 322		WASHER, 7/16" lock
6	610 563 C91	15	611 103 C11	TUBE, oil cooler upper
6	HOSE, w/two FITTINGS, 319 753 R91 oil cooler to lube regulator inlet (HOSE, 5/8" ID x 126" long including FITTINGS)	16	610 565 C92	COOLER, transmission oil
6	HOSE, w/o FITTINGS, cut length 5/8" ID x 122-5/8" long cut from bulk HOSE, 319 710 R1	312 565 R1		BUSHING, hinge (2)
7	610 563 C91	11 002 VA		WASHER (special) (2)
7	HOSE, w/two FITTINGS, 319 753 R91 regulator outlet to oil cooler (HOSE, 5/8" ID x 126" long including FITTINGS)	270 711 R1		SHIM, hinge (+)
7	HOSE, w/o FITTINGS, cut length 5/8" ID x 122-5/8" long cut from bulk HOSE, 319 710 R1	179 885		SCREW, 1/2 x 1-1/2" hex-hd cap (hinge side) (2)
8	319 753 R91	103 323		WASHER, 1/2" lock
9	319 753 R91	180 145		SCREW, 7/16 x 1" hex-hd cap (lock side) (2)
10	611 104 C11	102 637		NUT, 1/2" (2)
11	613 945 R91	103 322		WASHER, 7/16" lock (2)
11	564 808 R91	103 342		WASHER, 15/32 x 59/64" x 16 ga (2)
		17	317 262 R1	CLAMP, regulator outlet to oil cooler hose
		18	327 273 R91	STRAP, oil cooler hose
		19	317 262 R1	CLAMP, regulator outlet to oil cooler hose
			319 710 R1	HOSE, 5/8" ID bulk (x)

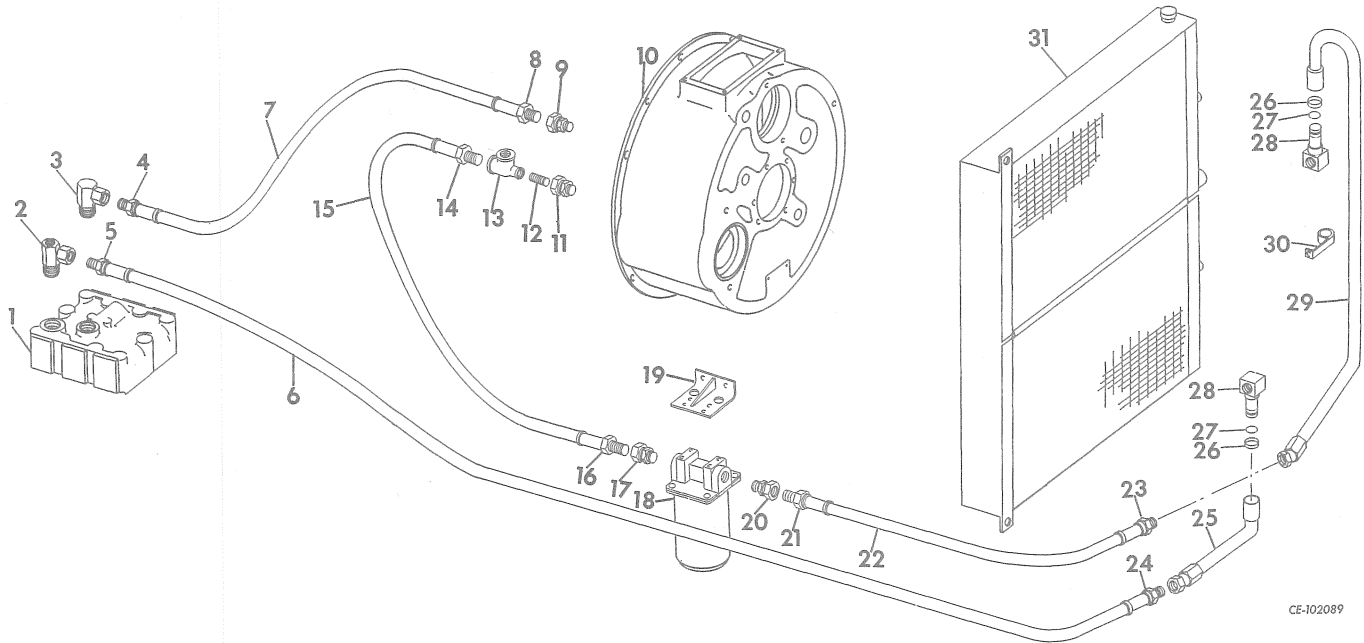
(x) - Order Cut Length As Required.

HYDRAULIC SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRANSMISSION OIL COOLER, SAFETY FILTER, AND PIPING
(Power Shift and Side Boom)
25239 and Up

TRANSMISSION OIL COOLER, SAFETY FILTER, AND PIPING - Continued
(Power Shift and Side Boom)
25239 and Up



1		VALVE, regulator (For components see list of parts under details of "REGULATOR VALVE")	10		CONVERTER, torque for components see list of parts under details of "TORQUE CONVERTER")
2	656 531 C92	ELBOW, transmission regulator lube inlet from oil cooler	11	102 729 R1	ADAPTER, safety filter to torque converter hose
3	297 581 R91	ELBOW, transmission regulator outlet to torque converter	12	192 082	NIPPLE, torque converter outlet (3/4 x 1-1/2")
4	319 753 R91	FITTING, male pipe hose	13	336 258 R1	TEE, torque converter outlet to safety filter and oil temp gauge
5	319 753 R91	FITTING, male pipe hose	14	319 753 R91	FITTING, male pipe
6	610 563 C91	HOSE, w/two FITTING, 319 753 R91 oil cooler to lube regulator inlet (HOSE, 5/8" ID x 126" long including FITTINGS)	15	603 558 C91	HOSE, w/two FITTING, 319 753 R91 torque converter to safety filter (HOSE, 5/8" ID x 53" long including FITTINGS)
6		HOSE, w/o FITTINGS, cut length 5/8" ID x 122-5/8" long cut from bulk HOSE, 319 710 R1	15		HOSE, w/o FITTINGS, cut length 5/8" ID x 49-5/8" long cut from bulk HOSE, 319 710 R1
7	625 623 C91	HOSE, w/two FITTINGS, 319 753 R91 regulator outlet to torque converter (HOSE, 5/8" ID x 34" long including FITTINGS)	16	319 753 R91	FITTING, male pipe
7		HOSE w/o FITTINGS, cut length 5/8" ID x 30-5/8" long cut from bulk HOSE, 319 710 R1	17	336 182 R1	ADAPTER, safety filter inlet
8	319 753 R91	FITTING, male pipe hose	18		FILTER ASSY, safety (For components see list of parts under details of "SAFETY FILTER")
9	102 729 R1	ADAPTER, from regulator to torque converter inlet	19	334 804 R11	BRACKET, safety filter SCREW, 7/16 x 3/4" hex-hd cap (4) WASHER, 7/16" lock (4)

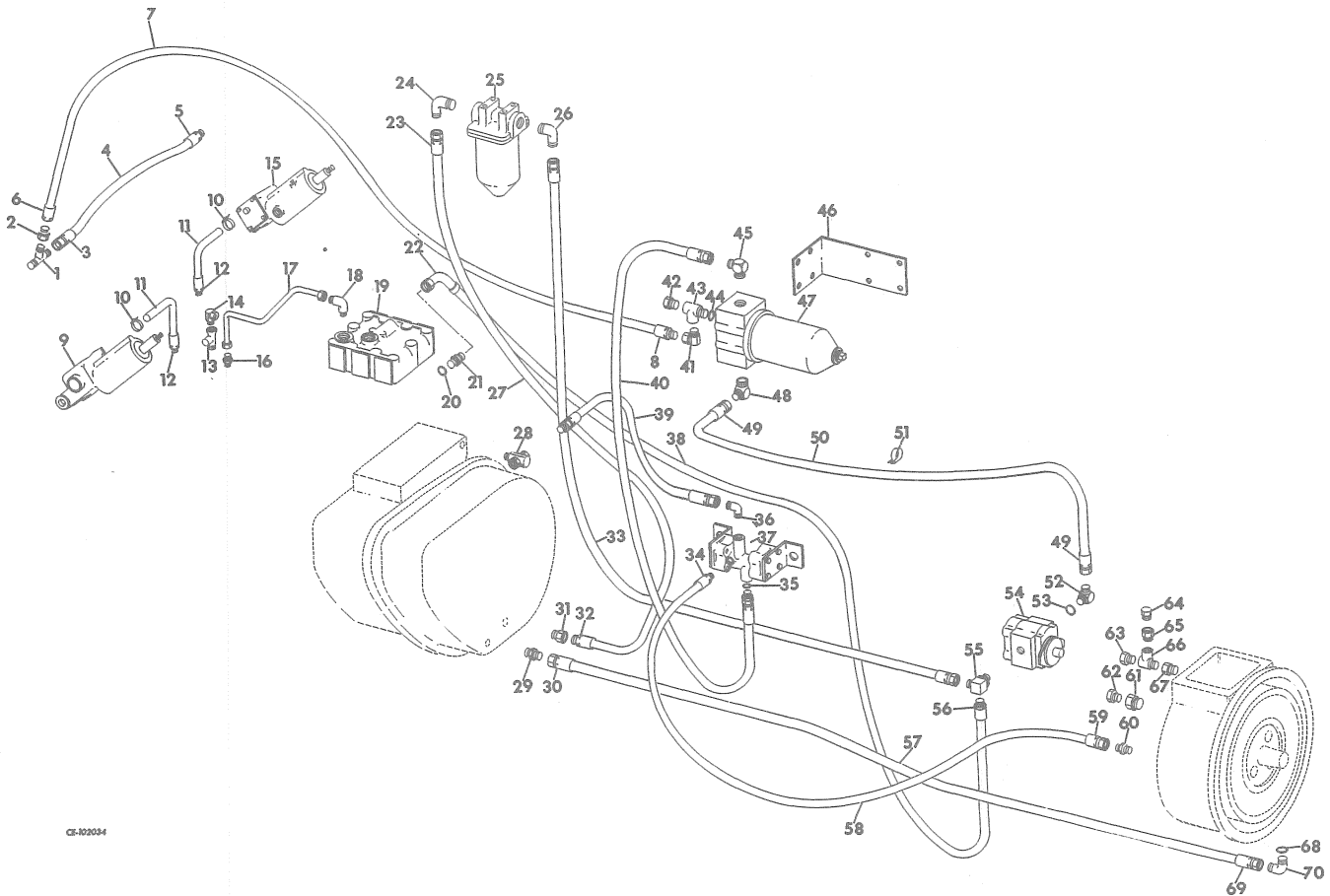
HYDRAULIC SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION OIL COOLER, SAFETY FILTER, AND PIPING - Continued (Power Shift and Side Boom) 25239 and Up		
20	336 182 R1	ADAPTER, safety filter outlet
21	319 753 R91	FITTING, male pipe hose
22	610 569 C91	HOSE w/two FITTING, 319 753 R91 safety filter to oil cooler tube (HOSE, 5/8" ID x 29" long including FITTING)
22		HOSE w/o FITTINGS, cut length 5/8" ID x 25-5/8" long cut from bulk HOSE, 319 710 R1
23	319 753 R91	FITTING, male pipe hose
24	319 753 R91	FITTING, male pipe hose
25	611 104 C11	TUBE, oil cooler lower
26	613 945 R91	SEAL, oil cooler pipe (Optional w/ 564 808 R91) (2)
26	564 808 R91	SEAL, oil cooler pipe (Optional w/ 613 945 R91) (2)
27	650 255 C1	RING, elbow sealing (2)
28	611 079 C1	ELBOW, oil cooler (2)
29	611 103 C11	TUBE, oil cooler upper
30	611 074 C1 180 145 103 322	CLAMP, upper oil cooler pipe SCREW, 7/16 x 1" hex-hd cap WASHER, 7/16" lock
31	625 651 C1 312 565 R1 11 002 VA 270 711 R1 179 885 103 323 180 145 102 637 103 322 103 342	COOLER, transmission oil BUSHING, hinge (2) WASHER (2) SHIM, hinge SCREW, 1/2 x 1-1/2" hex-hd cap (2) WASHER, 1/2" lock SCREW, 7/16 x 1" hex-hd cap (2) NUT, 1/2" (2) WASHER, 7/16" lock (2) WASHER, 15/32 x 59/64 x 16 ga (2)
	317 262 R1	CLAMP, regulator outlet to oil cooler hose
	308 576 R1 179 837 103 321 103 341	CLAMP, by pass hose (on frame) (5) SCREW, 3/8 x 3/4" hex-hd cap (3) WASHER, 3/8" lock (3) WASHER, 13/32 x 13/16" x 16 ga flat (3)
	319 710 R1	HOSE, 5/8" ID bulk (x)

(x) - Order Cut Length As Required.

HYDRAULIC SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION PIPING AND RELATED PARTS (Manual Shift Custom)			TRANSMISSION PIPING AND RELATED PARTS - Continued (Manual Shift Custom)		



CI-102034

1	9 403 098	TEE, booster to booster hose	9		BOOSTER, RH hydraulic steering (For components see list of parts under details of "HYDRAULIC STEERING BOOSTER")
2	9 410 206	ADAPTER, booster inlet from filter	10	279 025 R91	CLAMP, steering booster drain hose (2)
3	317 769 R91	FITTING, female swivel	11	702 064 C91	HOSE w/FITTING, 317 769 R91, booster drain (HOSE, 5/16 ID x 7-1/4" long including FITTINGS) (2)
4	702 066 C91	HOSE w/FITTING, 317 769 R91 and FITTING, 319 751 R91, booster to booster pressure (HOSE, 5/16" ID 16" long including FITTINGS)	11		HOSE w/o FITTING, cut length 5/16" ID x 6" long cut from bulk HOSE, 319 707 R1
4		HOSE w/o FITTINGS, cut length 5/16" ID x 13-5/8" long cut from bulk HOSE, 319 707 R1)	12	317 769 R91	FITTING, female swivel (2)
5	319 751 R91	FITTING, male pipe	13	263 804 R1	TEE, rear main frame cover for pilot drain
6	317 769 R91	FITTING, female swivel hose	14	293 349 R91	ELBOW, 90° swivel (in tee for pilot drain hose)
7	702 062 C91	HOSE w/FITTING, 317 769 R91 and FITTING, 319 751 R91, pressure filter to steering booster valve (HOSE, 5/16" ID x 42" long including FITTINGS)	15		BOOSTER, LH hydraulic steering (For components see list of parts under details of "HYDRAULIC STEERING BOOSTER")
7		HOSE w/o FITTINGS, cut length 5/16" ID x 39-3/8" long cut from bulk HOSE, 319 707 R1	16	444 000	BUSHING, rear main frame cover lube tube to REGULATOR VALVE
8	319 751 R91	FITTING, male pipe			

HYDRAULIC SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION PIPING AND RELATED PARTS - Continued (Manual Shift Custom)			TRANSMISSION PIPING AND RELATED PARTS - Continued (Manual Shift Custom)		
17	628 202 C91	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, regulator valve lube elbow to rear main frame cover bushing	40	619 669 C1	HOSE w/FITTINGS, pressure filter to booster regulator valve
	265 205 R1	NUT (2)	41	293 349 R91	ELBOW, filter outlet tee for steering hose
	265 204 R1	SLEEVE (2)	42	9 402 706	CONNECTOR, in tee for pilot valve hose main
18	606 845 C1	ELBOW, regulator valve lube tube to rear main frame	43	454 145	TEE, pressure filter hose outlet
19		VALVE, regulator (For components see list of parts under details of "REGULATOR VALVE")	44	444 000	BUSHING, filter outlet tee reducer for pilot valve
20	297 459 R1	RING, connector sealing	45	619 717 C1	ELBOW, filter outlet
21	472 755 R1	CONNECTOR, transmission regulator drain outlet	296 247 R1		RING, elbow sealing
22	319 786 R11	FITTING, 90° female swivel hose	46	620 388 C1	BRACKET, pressure filter mounting
23	313 228 R91	FITTING, female swivel	179 881		SCREW, 1/2 x 1-5/8" hex-hd cap
24	9 402 870	ELBOW, suction filter inlet (1-1/4" x 90°)	103 323		WASHER, 1/2" lock
25		FILTER ASSY, suction (For components see list of parts under details of "SUCTION FILTER")	102 637		NUT, 1/2"
26	9 402 870	ELBOW, suction filter outlet	140 585		CLIP, steering booster drain hose (2)
27	702 059 C91	HOSE w/FITTING, 313 228 R91 and FITTING, 317 934 R91, sump to suction filter (HOSE, 1-1/8" ID x 43" long including FITTINGS)	47		FILTER ASSY, pressure (For components see list of parts under details of "PRESSURE FILTER")
27		HOSE w/o FITTINGS, cut length 1-1/8" ID x 39-1/2" long cut from bulk HOSE, 319 712 R1	296 247 R1		"O" RING (1.171 x 1.403 x .116)
28	657 509 C1	TEE, transmission inlet from booster	48	619 717 C1	ELBOW, pressure filter inlet
29	9 402 711	CONNECTOR, transmission inlet for scavenge hose	49	100 798 R91	FITTING, female swivel hose (2)
30	100 798 R91	FITTING, female swivel	50	702 635 C91	HOSE w/two FITTING, 100 798 R91 pump to pressure filter (HOSE, 5/8" ID x 21" long including FITTINGS)
31	296 941 R1	ADAPTER, sump to suction filter hose	50		HOSE w/o FITTING, cut length 5/8" ID x 17-1/4" long cut from bulk HOSE, 319 710 R1
32	317 934 R91	FITTING, male pipe	51	608 868 C1	CLAMP, pump outlet to filter hose
33	657 755 C1	HOSE w/FITTINGS, suction filter to charging pump tee	52	619 717 C1	ELBOW, pump outlet
34	319 751 R91	FITTING, male pipe	53	296 247 R1	RING, pump outlet elbow sealing
35	297 459 R1	RING, booster adapter inlet sealing	54		PUMP, charging (For components see list of parts under details of "CHARGING PUMP")
36	9 402 868	ELBOW, booster outlet to transmission	55	656 048 C1	TEE, pump inlet
37		VALVE, hydraulic pressure regulator (For components see list of parts under details of "HYDRAULIC PRESSURE REGULATOR VALVE")	56	313 509 R91	FITTING, female swivel hose
38	619 826 C91	HOSE w/FITTING, 319 786 C91 and FITTING, 313 509 R91 regulator drain to pump inlet tee (HOSE, 7/8" ID x 50" long including FITTINGS)	57	324 781 R91	HOSE w/FITTING, 100 798 R91 and FITTING, 319 785 R91, flywheel housing scavenge (HOSE, 5/8" ID x 32" long including FITTINGS)
38		HOSE w/o FITTINGS, cut length 7/8" ID x 45-3/4" long cut from bulk HOSE, 319 711 R1	57		HOSE w/o FITTINGS, cut length 5/8" ID 29-7/8" long cut from bulk HOSE, 319 710 R1
39	702 207 C1	HOSE w/FITTINGS, booster regulator valve to transmission	58	625 725 C91	HOSE w/FITTING, 317 769 R91, and FITTING, 319 751 R91, booster drain (HOSE, 5/16" ID x 50" long including FITTING) (2)
			58		HOSE w/o FITTING, cut length 5/16" ID x 47-3/8" long cut from bulk HOSE, 319 707 R1
			59	317 769 R91	FITTING, female swivel
			60	610 082 C1	CONNECTOR, valve drain hose in clutch

HYDRAULIC SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION PIPING AND RELATED PARTS - Continued (Manual Shift Custom)		
61	115 224	REDUCER, 3/4 NPT x 3/8" NPT clutch lube port (for hose from "C" port on range selector valve)
62	333 761 R1	ADAPTER, clutch lube port reducer (for range selector valve "C" port hose)
63	347 521 R91	ADAPTER, swivel clutch tee (for hose from "C" port on range selector valve)
64	294 134 R1	ADAPTER, swivel clutch tee reducer (For "F" port hose)
65	144 050	REDUCER, 1/2" NPT x 1/8" NPT, clutch inlet tee (For range selector valve "F" port hose)
66	444 152	TEE, clutch inlet (in reducer)
67	338 784 R91	REDUCER, 3/4" NPT x 1/2" NPT (clutch housing inlet from junction manifold and range selector valve "F" port)
68	368 269 R1	RING, connector sealing
69	319 785 R91	FITTING, 90° female swivel
70	9 411 107	ELBOW, 90° engine flywheel scavenge outlet
	319 707 R1	HOSE, 5/16" ID bulk (x)
	319 710 R1	HOSE, 5/8" ID bulk (x)
	319 711 R1	HOSE, 7/8" ID bulk (x)
	319 712 R1	HOSE, 1-1/8" ID bulk (x)

(x) - Order Cut Length As Required.

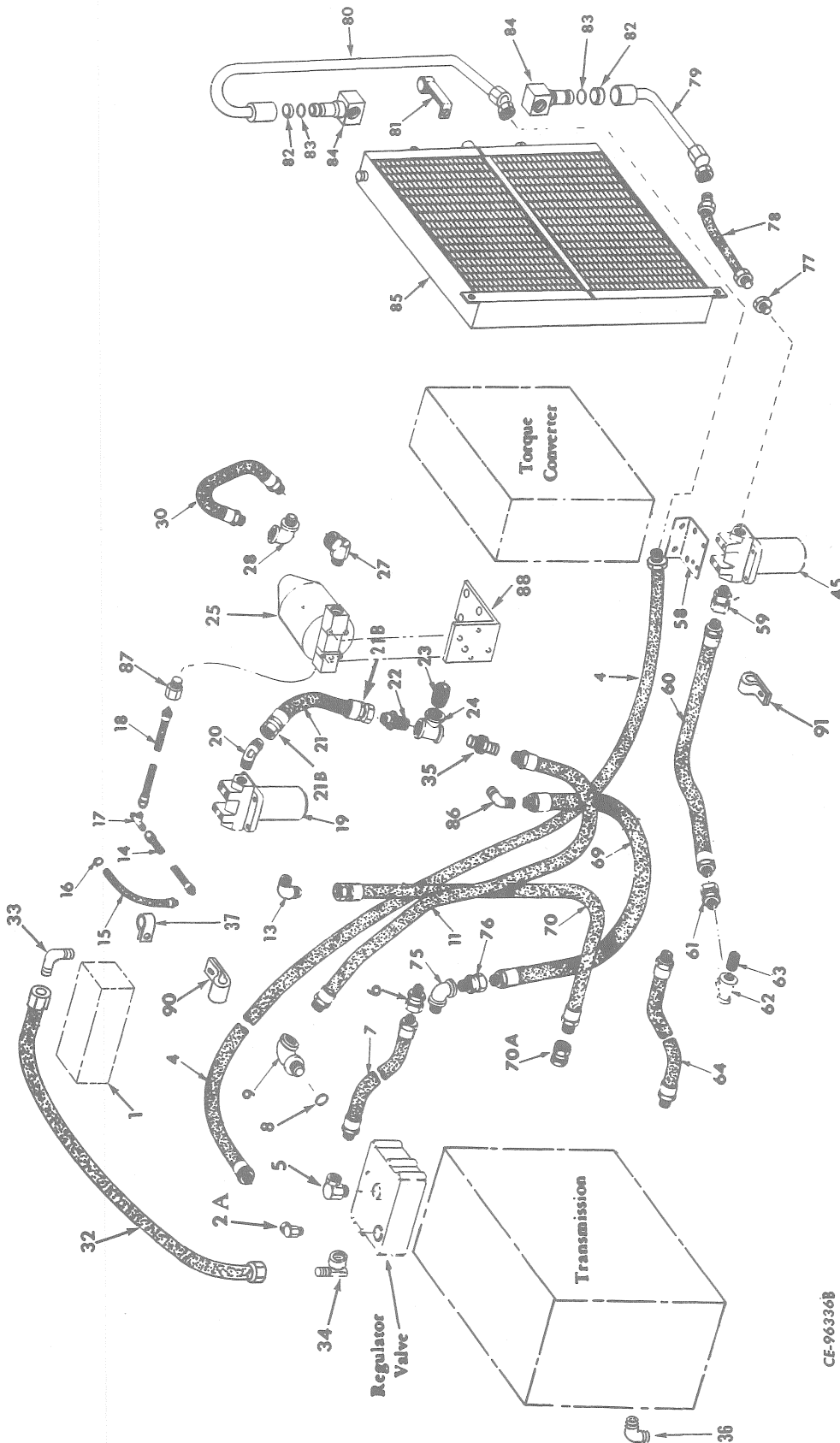
HYDRAULIC SYSTEM

MEMORANDA

HYDRAULIC SYSTEM

TRANSMISSION PIPING AND RELATED PARTS
(Power Shift and Side Boom)
25238 and Below

TRANSMISSION PIPING AND RELATED PARTS
- Continued
(Power Shift and Side Boom)
25238 and Below



CE-96336B

HYDRAULIC SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION PIPING AND RELATED PARTS - Continued (Power Shift and Side Boom) 25238 and Below			TRANSMISSION PIPING AND RELATED PARTS - Continued (Power Shift and Side Boom) 25238 and Below		
1		VALVE, hydraulic pressure regulator booster (For components see list of parts under details of "Hydraulic Pressure Regulating Valve")	18	619 669 C1	HOSE w/two FITTINGS, pressure filter to booster regulator valve (HOSE 5/8" ID x 43" long including FITTINGS)
2A	656 531 C92	ELBOW, transmission regulator lub inlet from oil cooler	19		FILTER ASSY, suction (for components see list of parts under details of "Safety and Suction Filter")
4	610 563 C91	HOSE w/two FITTING, 319 753 R91, oil cooler to lube regulator inlet (HOSE 5/8" ID x 126" long including fittings)	179 880		1/2 x 7/8" hex-hd cap SCREW (3)
			103 323		1/2" lock WASHER (3)
			103 343		17/32 x 1-1/16" x 13 ga flat WASHER (3)
4		HOSE w/o FITTINGS, cut length, 5/8" ID x 122-5/8" long cut from bulk HOSE, 319 710 R1	20	9 402 831	ELBOW, suction filter outlet 1-1/4" x 45°
	319 753 R91	FITTING, male pipe hose (2)	21	625 618 C91	HOSE w/two FITTINGS, 313 228 R91, suction filter to converter tee (HOSE 1-1/8" ID x 16-3/4 including FITTINGS)
5	297 581 R91	ELBOW, transmission regulator outlet to torque converter (3/4 x 90°)			HOSE w/o FITTINGS, 1-1/8" ID x 13-1/2" cut from bulk HOSE, 319 712 R1
6	102 729 R1	ADAPTER, from regulator to torque converter inlet	21B	313 228 R91	FITTING, swivel (2)
7	625 623 C91	HOSE w/two FITTING, 319 753 R91, regulator to torque converter (HOSE, 5/8" ID x 34" long including FITTINGS)	22	9 402 714	CONNECTOR, torque converter inlet tee
7		HOSE w/o FITTINGS, cut length 5/8" ID x 30-5/8" long cut from bulk HOSE, 319 710 R1	23	190 752	NIPPLE, pump inlet
	319 753 R91	FITTING, male pipe (2)	24	186 553	TEE, pump inlet
8	297 459 R1	RING, connector sealing	25		FILTER ASSY, pressure (for components see list of parts under details of "Pressure Filter")
9	472 755 R1	CONNECTOR, transmission regulator drain outlet	103 341		13/32 x 13/16 x 16 ga, WASHER
			179 841		3/8 x 1-1/4" hex-hd cap SCREW (4)
			103 321		3/8" lock WASHER (4)
11	625 616 C91	HOSE w/FITTING, 319 786 R91 and FITTING, 313 509 R91, regulator drain to torque converter pump tee (HOSE, 7/8" ID x 56" long including FITTINGS)	296 247 R1		"O" RING (1.171 x 1.403 x .116)
	319 786 R91	FITTING, male pipe	27	619 717 C1	ELBOW, pressure filter inlet
	313 509 R91	FITTING	28	619 717 C1	ELBOW, pump outlet 90°
11		HOSE w/o FITTINGS, cut length 7/8" ID x 51-3/4" long cut from bulk HOSE, 319 711 R1	30	702 050 C91	HOSE w/two FITTING, 319 753 R91, pump to pressure filter (HOSE, 5/8" ID x 25-1/4" long including FITTINGS)
			30		HOSE w/o FITTINGS, cut length 5/8" ID x 22-1/4" long cut from bulk HOSE, 319 710 R1
13	9 402 870	ELBOW, suction filter inlet (1-1/4" x 90°)	319 753 R91		FITTING, male pipe (2)
14	702 066 C91	HOSE w/FITTING, 317 769 R91 and FITTING, 319 751 R91, booster to booster pressure (HOSE, 5/16" ID x 16" long including FITTINGS)	32	702 207 C1	HOSE w/two FITTING, booster regulator valve to transmission (HOSE, 5/8" ID x 16" long including FITTINGS)
14		HOSE w/o FITTINGS, cut length 5/16" ID x 13-5/8" long cut from bulk HOSE, 319 707 R1	100 798 R91		FITTING, 37° female (2)
	317 769 R91	FITTING, female pipe	33	9 402 868	ELBOW, booster outlet to transmission
	319 751 R91	FITTING, male pipe	34	297 581 R91	ELBOW, transmission inlet from booster valve
15	702 062 C91	HOSE w/FITTING, 317 769 R91 and FITTING, 319 751 R91, booster regulator drain to torque converter (HOSE, 5/16" ID x 42" long including FITTINGS) (2)	35	9 402 713	CONNECTOR, pump inlet tee for regulator drain
			36	9 410 979	ELBOW, engine flywheel housing to scavenge outlet
15		HOSE w/o FITTING, cut length 5/16" ID x 39-3/8" long cut from bulk HOSE, 319 707 R1	37	343 310 R1	CLAMP, regulator valve drain hose (on transmission cover bolt)
	317 769 R91	FITTING, female pipe	45		FILTER ASSY, safety (for components see list of parts under details of "Safety and Suction Filter")
	319 751 R91	FITTING, male pipe	179 838		SCREW, 3/8 x 7/8" hex-hd cap (4)
			103 321		WASHER, 3/8" lock (4)
16	297 459 R1	RING, booster adapter inlet sealing	334 804 R11		BRACKET, safety filter
			179 856		SCREW, 7/16 x 3/4" hex-hd cap (4)
17	9 410 206	ADAPTER, booster inlet from filter	103 322		WASHER, 7/16" lock (4)
			59	336 182 R1	ADAPTER, safety filter inlet

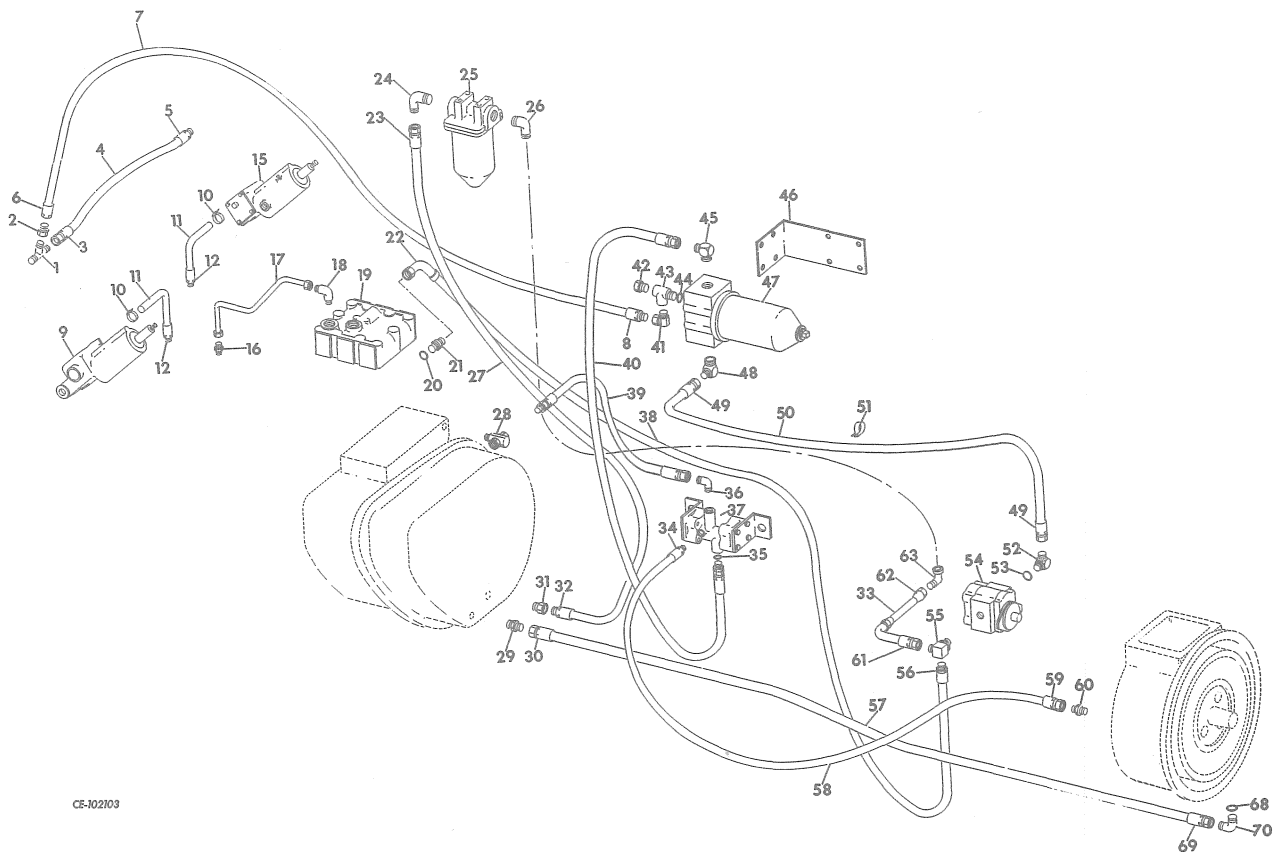
HYDRAULIC SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION PIPING AND RELATED PARTS - Continued (Power Shift and Sideboom) 25238 and Below			TRANSMISSION PIPING AND RELATED PARTS - Continued (Power Shift and Sideboom) 25238 and Below		
60	603 558 C91	HOSE w/two FITTING, 319 753 R91, safety filter to torque converter (HOSE, 5/8" ID x 53" long including FITTINGS)	85	625 651 C1	COOLER, transmission oil
60		HOSE w/o FITTINGS, cut length 5/8" ID x 49-5/8" long cut from bulk HOSE 319 710 R1		312 565 R1	BUSHING, hinge (2)
	319 753 R91	FITTING, male pipe (2)		11 002 VA	WASHER (special) (2)
61	102 729 R1	ADAPTER, safety filter to torque converter hose		270 711 R1	SHIM, hinge (+)
62	336 258 R1	TEE, torque converter outlet to safety filter and oil temp gauge		179 885	1/2 x 1-1/2" hex-hd cap SCREW (hinge side) (2)
63	192 082	NIPPLE, torque converter outlet (3/4 x 1-1/2")		103 323	1/2" lock WASHER
64	324 781 R91	HOSE w/FITTING 100 798 R91 and FITTING, 319 785 R91, flywheel housing (HOSE, 5/8" ID x 32" long including FITTINGS)		180 145	7/16 x 1" hex-hd cap SCREW (lock side) (2)
64		HOSE w/o FITTINGS, cut length 5/8" ID x 29-7/8" long cut from bulk HOSE, 319 710 R1		102 637	1/2" NUT (2)
	319 785 R91	FITTING, female pipe		103 322	7/16" lock WASHER (2)
	100 798 R91	FITTING, female pipe	86	619 717 C1	ELBOW, filter outlet
69	702 206 C1	HOSE w/FITTINGS, pressure filter to regulator (HOSE, 3/4" ID x 28" long including FITTINGS)	87	444 000	ADAPTER, pressure filter outlet to steering booster
70	702 059 C91	HOSE w/FITTING, 313 228 R91 and FITTING, 317 934 R91, sump to suction filter (HOSE, 1-1/8" ID x 43" long including FITTINGS)	88	620 388 C1	BRACKET, pressure filter mounting
70		HOSE w/o FITTINGS, cut length 1-1/8" ID x 39-1/2" long cut from bulk HOSE, 319 712 R1		179 881	1/2 x 1-5/8" hex-hd cap SCREW
	313 228 R91	FITTING, female pipe		103 323	1/2" lock WASHER
	317 934 R91	FITTING, male pipe		102 637	1/2" NUT
70A	296 941 R1	ADAPTER, sump to suction filter hose		314 798 R1	CLAMP, pressure filter to regulator hose
75	9 402 868	ELBOW, regulator inlet		279 025 R91	CLIP, steering booster drain hose (2)
76	9 402 828	ELBOW, pressure filter to regulator hose	90	308 576 R1	CLAMP, cooler to regulator inlet hose (on safety filter) (2)
77	336 182 R1	ADAPTER, safety filter outlet	91	308 576 R1	CLAMP, by-pass hose (on frame) (5)
78	610 569 C91	HOSE w/two FITTINGS, 319 753 R91, safety filter to oil cooler tube (HOSE, 5/8" ID x 29" long including FITTINGS)		179 837	3/8 x 3/4" hex-hd cap SCREW (3)
78		HOSE w/o FITTINGS, cut length 5/8" ID x 25-5/8" long cut from bulk HOSE, 319 710 R1		103 321	3/8" lock WASHER (3)
	319 753 R91	FITTING, male pipe hose (2)		103 341	13/32 x 13/16" x 16 ga WASHER (3)
79	611 104 C11	TUBE, oil cooler lower		314 798 R1	CLAMP, sump to suction filter tube
80	611 103 C11	TUBE, oil cooler upper		102 635	3/8" NUT
81	611 074 C1	CLAMP, upper oil cooler pipe		179 837	3/8 x 3/4" hex-hd cap SCREW
	179 858	7/16 x 1" hex-hd cap SCREW		103 321	3/8" lock WASHER
	103 322	7/16" lock WASHER		317 262 R1	CLAMP, safety filter to oil cooler hose
82	613 945 R91	SEAL, oil cooler pipe (optional with 564 808 R91) (2)		314 798 R1	CLAMP, safety filter to oil cooler hose (2)
82	564 808 R91	SEAL, oil cooler pipe (optional with 613 945 R91) (2)		179 837	3/8 x 3/4" hex-hd cap SCREW
83	650 255 C1	RING, elbow sealing (2)		179 879	1/2 x 3/4" hex-hd cap SCREW (2)
84	611 079 C1	ELBOW, oil cooler (2)		103 321	3/8" lock WASHER
				102 635	3/8" NUT
				140 585	CLAMP, booster hose (on L. H. rear regulator bolt)
				140 585	CLAMP, booster hose (on planetary cover)
				319 711 R1	HOSE, 7/8 ID bulk (x)
				319 707 R1	HOSE, 5/16 ID bulk (x)
				319 710 R1	HOSE, 5/8" ID bulk (x)
				319 712 R1	HOSE, 1-1/8" ID bulk (x)

(+) - As Required.
(X) - Order Cut Length As Required.

HYDRAULIC SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION PIPING AND RELATED PARTS (Power Shift and Sideboom) 25239 and Up			TRANSMISSION PIPING AND RELATED PARTS - Continued (Power Shift and Sideboom) 25239 and Up		



CE-102103

1	9 403 098	TEE, booster to booster hose	9		BOOSTER, RH hydraulic steering (for components see list of parts under details of "HYDRAULIC STEERING BOOSTER")
2	9 410 206	ADAPTER, booster inlet from filter			
3	317 769 R91	FITTING, female swivel			
4	702 066 C91	HOSE w/FITTING, 317 769 R91 and FITTING, 319 751 R91, booster to booster pressure (HOSE, 5/16" ID x 16" long including FITTINGS)	10	279 025 R91	CLAMP, steering booster drain hose (2)
4		HOSE w/o FITTINGS, cut length 5/16" ID x 13-5/8" long cut from bulk HOSE, 319 707 R1	11	702 054 C91	HOSE w/FITTING, 317 769 R91, booster drain (HOSE, 5/16 ID x 7-1/4" long including FITTING) (2)
	140 585	CLAMP, booster hose (2)	11		HOSE w/o FITTING, cut length 5/16 ID x 6" long cut from bulk HOSE, 319 707 R1
5	319 751 R91	FITTING, male pipe	12	317 769 R91	FITTING, female swivel (2)
6	317 769 R91	FITTING, female swivel hose	15		BOOSTER, LH hydraulic steering (for components see list of parts under details of "HYDRAULIC STEERING BOOSTER")
7	702 062 C91	HOSE w/FITTING 317 769 R91 and FITTING, 319 751 R91, pressure filter to steering booster valve (HOSE, 5/16" ID x 42" long including FITTINGS)	16	444 000	BUSHING, rear main frame cover lube tube to regulator valve
7		HOSE w/o FITTINGS, cut length 5/16" ID x 39-3/8" long cut from bulk HOSE, 319 707 R1	17	628 202 C91	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1 regulator valve lube elbow to rear main frame cover bushing
	343 310 R1	CLAMP, regulator valve drain (on transmission cover bolt)		265 205 R1	NUT (2)
				265 204 R1	SLEEVE (2)
8	319 751 R91	FITTING, male pipe			

HYDRAULIC SYSTEM

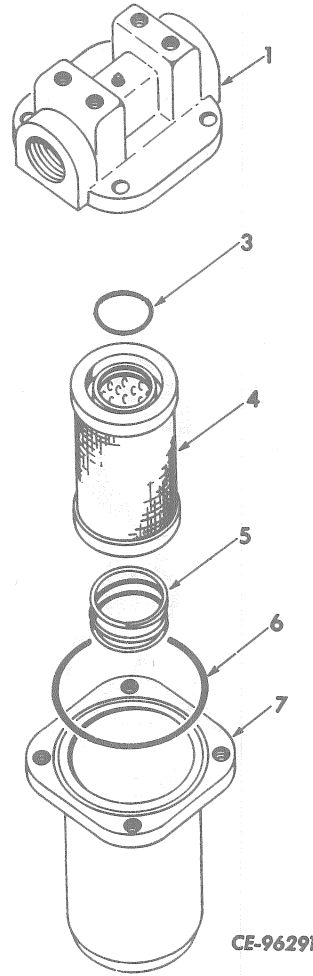
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION PIPING AND RELATED PARTS - Continued (Power Shift and Sideboom) 25239 and Up			TRANSMISSION PIPING AND RELATED PARTS - Continued (Power Shift and Sideboom) 25239 and Up		
18	606 845 C1	ELBOW, regulator valve lube tube to rear main frame	40	619 669 C1	HOSE w/FITTINGS, pressure filter to booster regulator valve
19		VALVE, regulator (for components see list of parts under details of "REGULATOR VALVE")	41	293 349 R91	ELBOW, filter outlet tee for steering hose
20	297 459 R1	RING, connector sealing	42	9 402 706	CONNECTOR, in tee for pilot valve hose main
21	472 755 R1	CONNECTOR, transmission regulator drain outlet	43	454 145	TEE, pressure filter hose outlet
22	319 786 R11	FITTING, 90° female swivel hose	44	444 000	BUSHING, filter outlet tee reducer for pilot valve
23	313 228 R91	FITTING, female swivel	45	619 717 C1 296 247 R1	ELBOW, filter outlet RING, elbow sealing
24	9 402 870	ELBOW, suction filter inlet (1-1/4" x 90°)	46	620 388 C1 179 881 103 323 102 637 140 585	BRACKET, pressure filter mounting SCREW, 1/2 x 1-5/8" hex-hd cap WASHER, 1/2" lock NUT, 1/2" CLIP, steering booster drain hose (2)
25		FILTER ASSY, suction (for components see list of parts under details of "SUCTION FILTER")	47		FILTER ASSY, pressure (for components see list of parts under details of "PRESSURE FILTER")
26	9 402 870	ELBOW, suction filter outlet	296 247 R1		"O" RING (1.171 x 1.403 x .116)
27	702 059 C91	HOSE w/FITTING, 313 228 R91 and FITTING, 317 934 R91, sump to suction filter (HOSE, 1-1/8" ID x 43" long including FITTINGS)	48	619 717 C1	ELBOW, pressure filter inlet
27		HOSE w/o FITTINGS, cut length 1-1/8" ID 39-1/2" long cut from bulk HOSE, 319 712 R1	49	100 798 R91	FITTING, female swivel hose (2)
28	657 509 C1	TEE, transmission inlet from booster	50	702 635 C91	HOSE w/two FITTING, 100 798 R91 pump to pressure filter (HOSE, 5/8" ID x 21" long including FITTINGS)
29	9 402 711	CONNECTOR, transmission inlet for scavenge hose	50		HOSE w/o FITTINGS, cut length 5/8" ID x 17-1/4" long cut from bulk HOSE, 319 710 R1
30	100 798 R91	FITTING, female swivel	51	608 868 C1	CLAMP, pump outlet to filter hose
31	296 941 R1	ADAPTER, sump to suction filter hose	52	619 717 C1	ELBOW, pump outlet
32	317 934 R91	FITTING, male pipe	53	296 247 R1	RING, pump outlet elbow sealing
33	702 272 C91	HOSE w/FITTING, 313 228 R91 and FITTING, 702 273 C91, suction filter to pump (HOSE, 1-1/8 x 12-1/2" long including FITTINGS)	54		PUMP, input (for components see list of parts under details of "CHARGING PUMP")
33		HOSE w/o FITTINGS, 1-1/8 ID x 8-3/4" long cut from bulk HOSE, 319 712 R1	55	656 048 C1 307 915 R1	TEE, pump inlet "O" RING, tee sealing (1.475 x 1.711 x .118")
34	319 751 R91	FITTING, male pipe	56	313 509 R91	FITTING, female swivel hose
35	297 459 R1	RING, booster adapter inlet sealing	57	324 781 R91	HOSE w/FITTING, 100 798 R91 and FITTING, 319 785 R91, flywheel housing scavenge (HOSE, 5/8" ID x 32" long including FITTINGS)
36	9 402 868	ELBOW, booster outlet to transmission	57		HOSE w/o FITTINGS, cut length 5/8" ID x 29-7/8" long cut from bulk HOSE, 319 710 R1
37		VALVE, hydraulic pressure regulator (for components see list of parts under details of "HYDRAULIC PRESSURE REGULATOR VALVE")	58	702 062 C91	HOSE w/FITTING, 317 769 C91 and FITTING, 319 751 R91, booster valve drain (HOSE, 5/16" ID x 42" long including FITTING) (2)
38	619 826 C91	HOSE w/FITTING, 319 786 C91 and FITTING, 313 509 R91 regulator drain to pump inlet tee (HOSE, 7/8" ID x 50" long including FITTINGS)	58		HOSE w/o FITTING, cut length 5/16" ID x 39-3/8" long cut from bulk HOSE, 319 707 R1
38		HOSE, w/o FITTINGS, cut length 7/8" ID x 45-3/4" long cut from bulk HOSE, 319 711 R1	59	317 769 R91	FITTING, female swivel
39	702 207 C1	HOSE w/FITTINGS, booster regulator valve to transmission			

HYDRAULIC SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION PIPING AND RELATED PARTS - Continued (Power Shift and Sideboom) 25239 and Up		

REF. NO.	PART NUMBER	DESCRIPTION
SAFETY FILTER (Ripley)		

60	610 082 C1	CONNECTOR, valve drain hose in T. C. housing from regulator valve
61	702 273 C91	FITTING, 90° female swivel
62	313 228 R91	FITTING, female swivel
63	9 410 286	ELBOW, 90° suction filter outlet (in filter elbow)
68	368 269 R1	RING, connector sealing
69	319 785 R91	FITTING, 90° female swivel
70	9 410 979	ELBOW, 90° engine flywheel scavenge outlet
	368 269 R1	RING, sealing
	608 868 C1	CLAMP, pump outlet to filter hose (on transmission front cover)
	444 636	PLUG, 3/4" NPT pump outlet (in converter housing)
	444 644	PLUG, 1" NPT pump inlet (in converter housing)
	319 707 R1	HOSE, 5/16" ID bulk (x)
	319 710 R1	HOSE, 5/8" ID bulk (x)
	319 711 R1	HOSE, 7/8" ID bulk (x)
	319 712 R1	HOSE, 1-1/8" ID bulk (x)



(x) - Order Cut Length As Required.

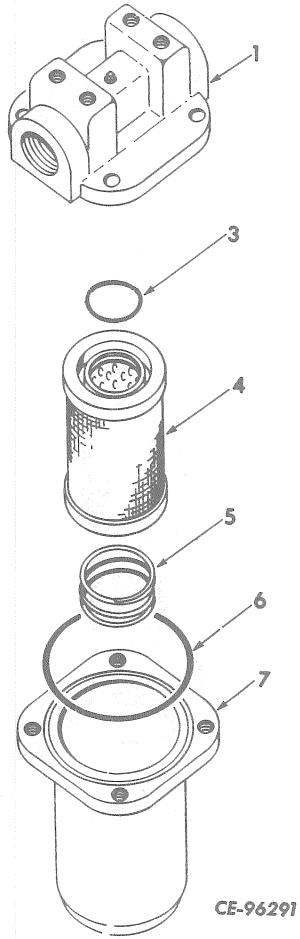
610 795 C91	FILTER ASSY, safety
179 838	3/8 x 7/8" hex-hd cap SCREW (4)
103 321	3/8" lock WASHER (4)

1	HEAD, filter (Not Furnished Separately)
3	708 560 R1 "O" RING, 1-5/16 x 1-9/16 x 1/8"
4	346 821 R91 ELEMENT w/"O" RING, 708 560 R1, filter (5062)
5	346 822 R1 SPRING (ODH-1055)
6	354 836 R1 "O" RING, 3-1/4 x 3-1/2 x 1/8"
7	BODY, filter (Not Furnished Separately)

HYDRAULIC SYSTEM

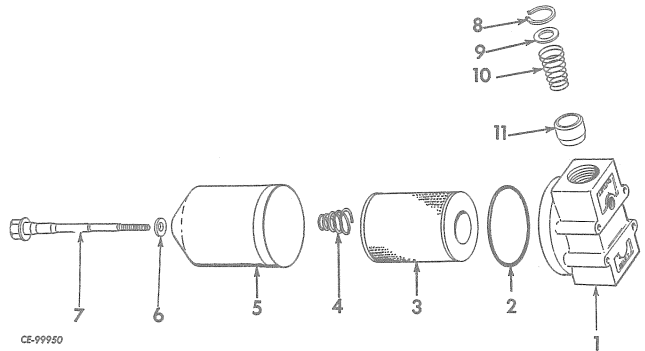
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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**SUCTION FILTER
(Ripley)**



- 606 327 C91 FILTER ASSY, suction
- 179 880 1/2 x 7/8" hex-hd cap SCREW (3)
- 103 323 1/2" lock WASHER (3)
- 103 343 17/32 x 1-1/16" x 13 ga WASHER (3)
- 1 HEAD, filter (Not Furnished Separately)
- 3 708 560 R1 "O" RING, 1-5/16 x 1-9/16 x 1/8"
- 4 606 390 C91 ELEMENT w/"O" RING 708 560 R1, filter
- 5 346 822 R1 SPRING
- 6 257 642 R1 "O" RING, 4-1/4 x 4-1/2 x 1/8"
- 7 BODY, filter (Not Furnished Separately)

**PRESSURE FILTER
(Deluxe Products Corp.)**

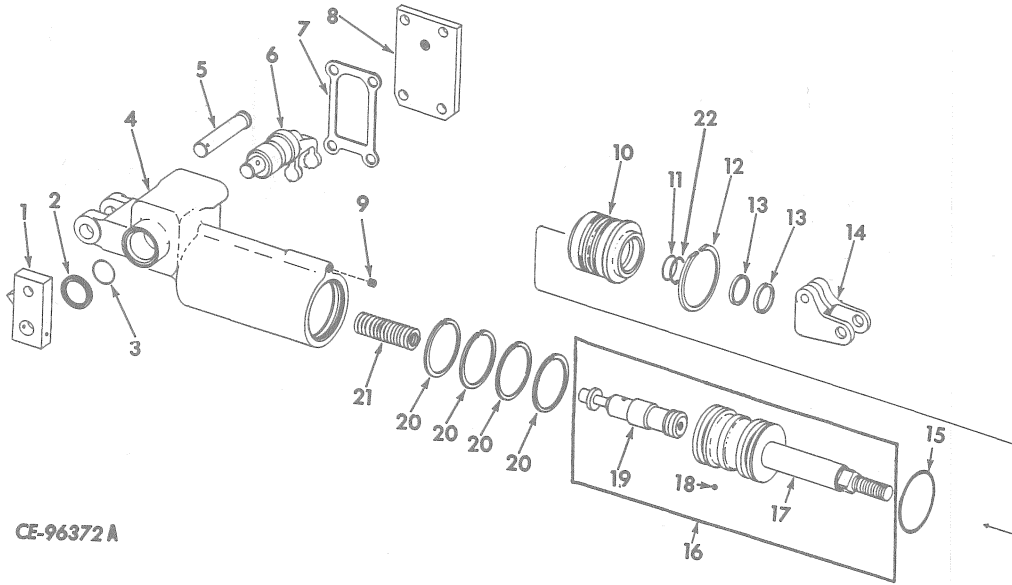


- 619 692 C92 FILTER ASSY, pressure
- 103 341 WASHER, 13/32 x 13/16" x 16 ga (4)
- 179 841 SCREW, 3/8 x 1-1/4" hex-hd cap (4)
- 103 321 WASHER, 3/8" lock (4)
- (Consists of the following parts -
- 1 619 809 C92 BASE, oil filter
(Composed of -
- § 1 BASE
- 1 RING 338 835 R1
- 1 SPRING 619 815 C1
- 1 VALVE 381 625 R1
- 1 WASHER 392 953 R1)
- 2 3 042 934 R1 "O" RING, 5 x 5-1/2 x 1/4"
- 3 381 256 R91 ELEMENT, oil filter
- 4 471 633 R1 SPRING, oil filter compression
- 5 619 810 C1 BODY, oil filter
- 6 619 814 C1 WASHER, oil filter body bolt
- 7 619 812 C1 BOLT, oil filter hold down
- 8 338 835 R1 RING, retaining
- 9 392 953 R1 WASHER
- 10 619 815 C1 SPRING
- 11 381 625 R1 VALVE

§ - Not Furnished Separately.

HYDRAULIC SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC STEERING BOOSTER AND RELATED PARTS			HYDRAULIC STEERING BOOSTER AND RELATED PARTS - Continued		



Parts without letters after the description indicates the part is used for all booster assemblies listed below: Letters "A" and "B" are used to identify separate booster assemblies.

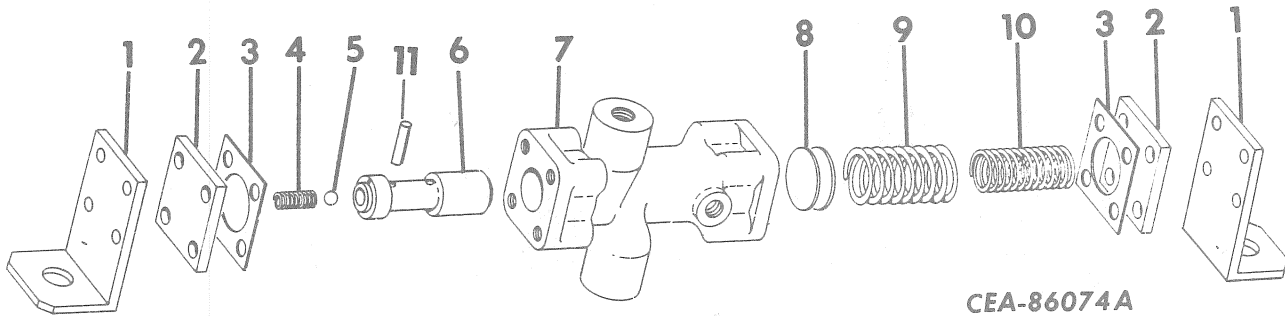
A-	334 810 R93	BOOSTER ASSY, LH hydraulic	10	334 817 R2	SUPPORT, piston rod
B-	334 811 R93	BOOSTER ASSY, RH hydraulic	11	350 818 R1	"O" RING, piston rod (1x1-1/4x1/8")
1	331 973 R91 17 084 R1	LEVER, valve operating fork PIN, 1/8 x 1-1/4" roll	12	336 497 R1	RING, piston rod support snap
2	277 181 R91	SEAL and WIPER, valve operating fork	13	277 181 R91	SEAL and WIPER, piston rod (2)
3	369 908 R1	"O" RING, valve operating fork (13/16 x 1 x 3/32")	14	331 974 R1 179 860 103 322	CLEVIS, hydraulic booster piston 7/16 x 1-1/4" hex-hd cap SCREW 7/16" lock WASHER
4	334 812 R3	HOUSING, LH booster (Booster A)	15	379 961 R1	"O" RING, piston rod support (2-1/16 x 2-1/4 x 3/32")
4	334 813 R3	HOUSING, RH booster (Booster B)	16	341 881 R91	PACKAGE, booster and valve field service
5	53 783 H 103 385	PIN, booster pivot rear (Not furnished as part of assembly) (2) 1/8 x 1" cotter PIN	17		PISTON (Not Furnished Separately)
6	334 820 R2	FORK, LH valve operating	18	341 922 R1	BALL, piston booster
6	334 821 R2	FORK, RH valve operating	19		VALVE, booster piston (Not Furnished Separately)
7	334 818 R1	GASKET, housing cover	20	272 259 R1	RING, piston sealing (4)
8	334 822 R11 179 837 103 321	COVER, booster housing 3/8 x 3/4" hex-hd cap SCREW (4) 3/8" lock WASHER (4)	21	620 321 C1	SPRING, piston valve return
9	444 571	PLUG, 1/8" sq-hd pipe (2)	22	625 776 C1	RING, sealing back-up

HYDRAULIC SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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HYDRAULIC PRESSURE REGULATING VALVE

HYDRAULIC PRESSURE REGULATING VALVE
- Continued



1	609 860 C2	SUPPORT, valve (2)
	179 817	5/16 x 7/8" hex-hd cap SCREW (8)
	103 320	5/16" lock WASHER (8)
2	321 991 R1	COVER, valve (2)
3	321 992 R1	GASKET, cover (2)
4	347 243 R1	SPRING, valve spool
5	346 509 R1	BALL, valve spool
6	338 651 R94	VALVE w/BALL 346 509 R1, PIN 20 139 R1 and SPRING 347 243 R1
7	609 859 C2	HOUSING, regulator valve

8	321 997 R1	WASHER (Standard)
8	321 997 R1	WASHER (Part of ATTACHMENT 624 769 C91) (6)
9	606 512 C1	SPRING, valve outer
10	324 299 R1	SPRING, valve inner
11	20 139 R1	PIN, valve
	624 769 C91	ATTACHMENT, hydraulic steering pressure booster 300 psi (see NOTE 3) (Consists of the following parts -
	1	GASKET 321 992 R1
	6	WASHER 321 997 R1)

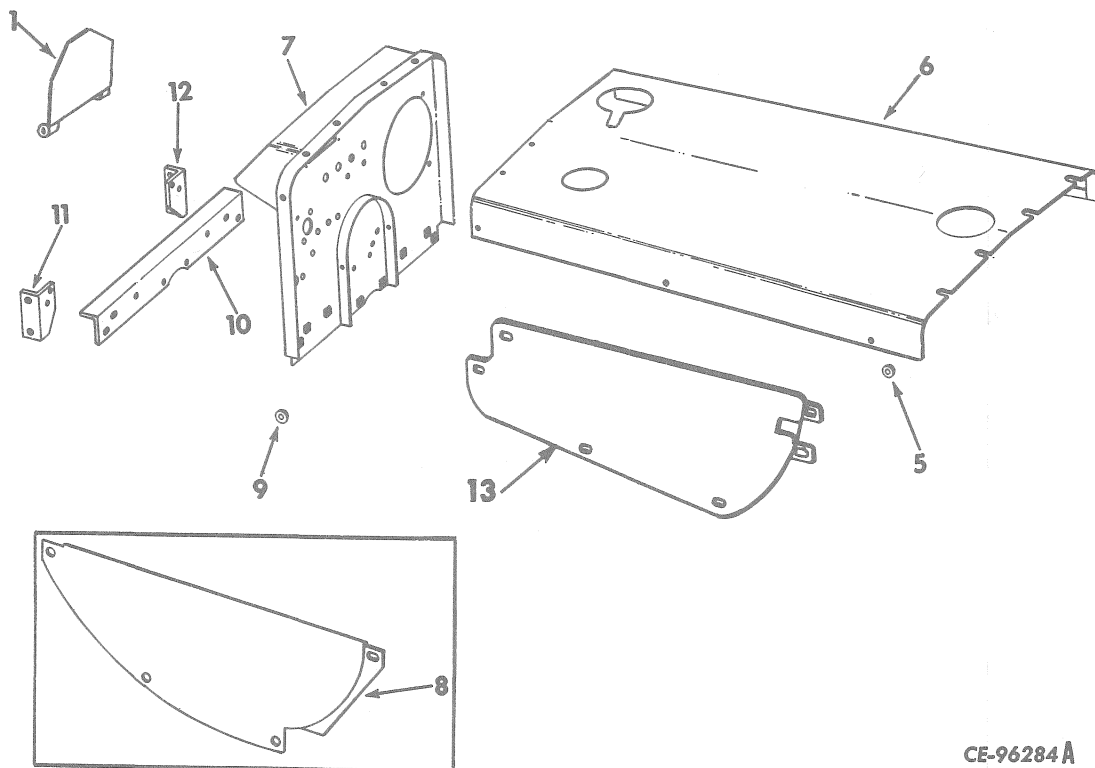
NOTE 3 - Field Application - order through regular service parts channels.

HOOD AND ENGINE SIDE SHEETS

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

HOOD, DASH AND ENGINE SIDE SHEETS - Continued



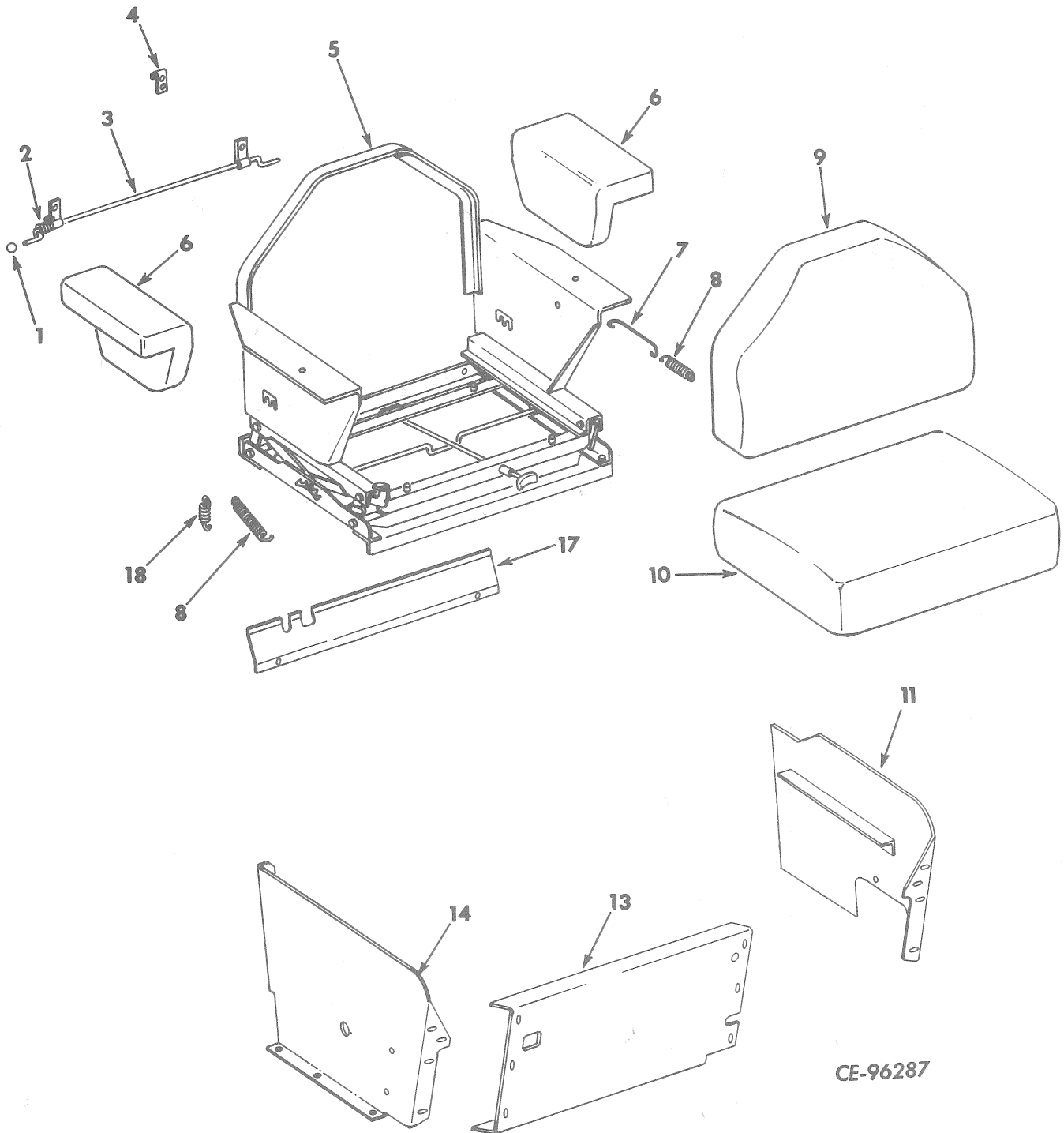
CE-96284A

1	624 568 C1	COVER, dash access	9	334 951 R1	WASHER, engine side sheet pilot (8) 25001 to 25243
	186 278	BOLT, 3/8 x 2-5/8" (2)			
9	413 953	NUT, 3/8" lock (2)	9	650 514 C1	WASHER, engine side sheet pilot (8) 25244 and up
	103 129	NUT, 3/8" wing (2)			
	624 570 C1	PLATE, wing nut lock			
5	334 951 R1	WASHER, engine side sheet pilot (4)	10	334 437 R1	SUPPORT, dash
6	624 564 C3	HOOD	11	334 439 R1	BRACKET, RH dash support
	179 882	SCREW, 1/2 x 1-1/8" hex-hd cap (6)		102 639	NUT, 5/8" (2)
	179 883	SCREW, 1/2 x 1-1/4" hex-hd cap (10)		271 558	SCREW, 5/8 x 1-1/2" hex-hd cap (2)
	135 629	WASHER, 1/2" external tooth lock (10)	12	334 438 R1	BRACKET, LH dash support
	103 342	WASHER, 17/32 x 1/16" x 13 ga (6)		102 639	NUT, 5/8" (2)
	433 659 R1	WASHER, rear side holes (2)		271 558	SCREW, 5/8 x 1-1/2" hex-hd cap (2)
7	624 565 C1	DASH	13	650 634 C1	SHEET, LH engine side 25244 and up
	179 885	SCREW, 1/2" x 1-1/2" hex-hd cap (4)			
	179 882	SCREW, 1/2 x 1-1/8" hex-hd cap (4)	13	650 635 C1	SHEET, RH engine side 25244 and up
	103 323	WASHER, 1/2" lock (8)		19 508 R1	NUT, 5/8" Esna stop (3)
8	620 235 C1	SHEET, LH engine side 25001 to 25243		271 555	SCREW, 5/8 x 1-1/8" hex-hd cap (3)
8	620 236 C1	SHEET, RH engine side 25001 to 25243		271 560	SCREW, 5/8 x 1-3/4" hex-hd cap (3)
	19 508 R1	NUT, 5/8" Esna stop			
	271 554	SCREW, 5/8 x 1" hex-hd cap (3)			
	271 559	SCREW, 5/8 x 1-5/8" hex-hd cap (3)			

SEAT, PLATFORMS AND SUPPORTS

SEAT, AIR BAFFLES, SIDE SHEETS AND SUPPORT

SEAT, AIR BAFFLES, SIDE SHEETS AND SUPPORT
- Continued



CE-96287

SEAT, PLATFORMS AND SUPPORTS

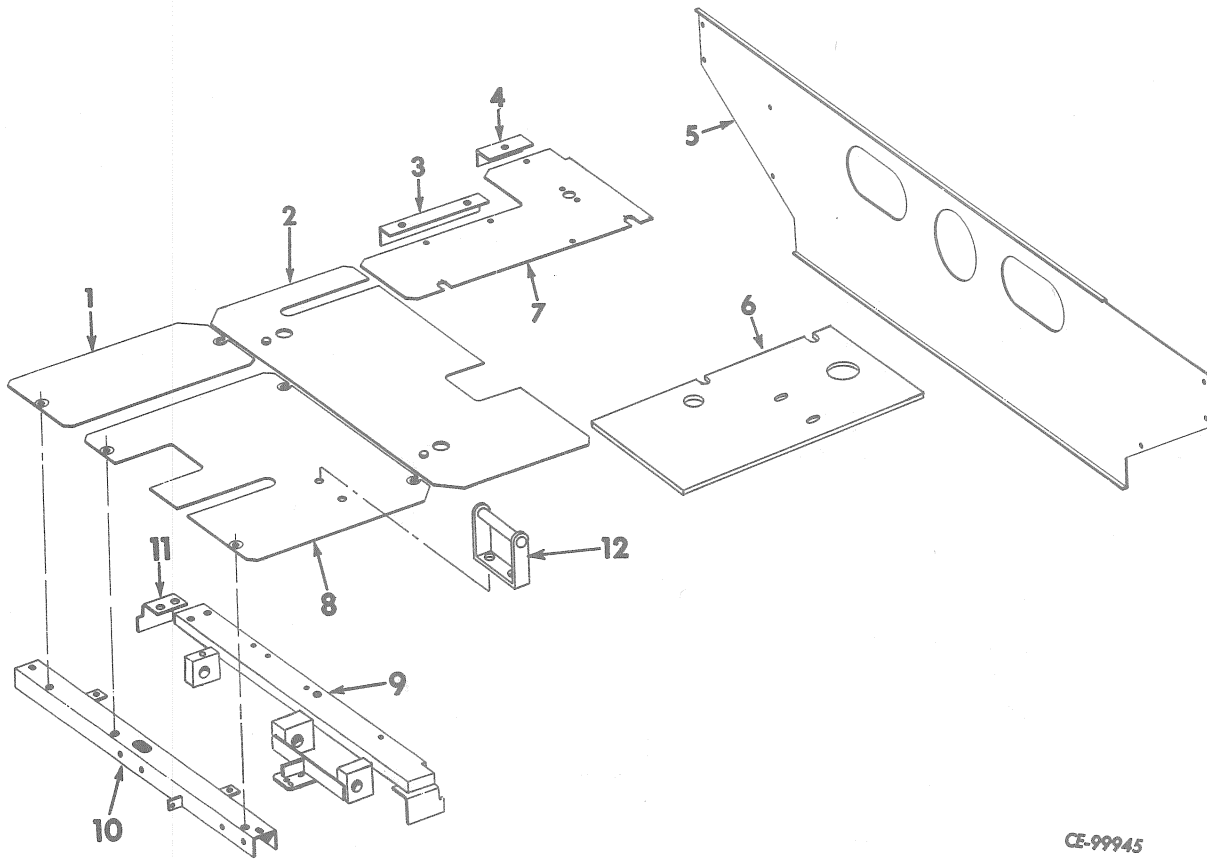
REF. NO.	PART NUMBER	DESCRIPTION
SEAT, AIR BAFFLES, SIDE SHEETS AND SUPPORT		
- Continued		
1	148 689 R1	KNOB, plastic (2)
2	603 909 C1	SPRING, rod torsion
3	603 908 C91	ROD w/SPRING 603 909 C1, cushion adjuster
	155 348	1/4 x 3/4" cr-rec-hd SCREW (2)
	103 319	1/4" lock WASHER (2)
	147 577	1/4 x 9/16" x 16 ga WASHER (2)
4	603 907 C1	CLIP, back cushion (30605) (2)
	155 348	1/4 x 3/4" cr-rec-hd SCREW (4)
	115 109	1/4" lock WASHER (4)
5	702 468 C91	BASE and FRAME, seat
	179 857	7/16 x 7/8" hex-hd cap SCREW (4)
	103 322	7/16" lock WASHER (4)
	103 342	15/32 x 59/64" x 16 ga WASHER (4)
6	702 471 C1	CUSHION, seat side (2)
	179 816	5/16 x 3/4" hex-hd cap SCREW (4)
	120 214	5/16" lock WASHER (4)
7	603 912 C1	EXTENSION, spring wire
8	383 296 R1	SPRING, lineage (2)
9	702 470 C1	CUSHION, seat back
10	702 469 C2	CUSHION, seat bottom
11	624 652 C1	SHEET, LH seat side
11	650 273 C1	SHEET, LH seat side (for manual shift custom)
	102 635	NUT, 3/8" (2)
	180 121	SCREW, 3/8 x 7/8" hex-hd cap (2)
	103 321	WASHER, 3/8" lock (2)
	103 341	WASHER, 13/32 x 13/16 x 16 ga flat (2)
13	345 907 R2	SUPPORT, front seat
	102 635	3/8" NUT (4)
	271 500	7/16" NUT (4)
	180 121	3/8 x 7/8" hex-hd cap SCREW (6)
	179 857	7/16 x 7/8" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (6)
	103 341	13/32 x 13/16" x 16 ga WASHER (6)
	103 322	7/16" lock WASHER (4)
	103 342	15/32 x 59/64" x 16 ga WASHER (4)
14	604 150 C21	SHEET, RH seat side (Not used with Model 2040 (Series C) Hydraulic Control Unit)
	102 635	3/8" NUT (2)
	180 121	3/8 x 7/8" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
	103 341	13/32 x 13/16" x 16 ga WASHER (2)
14	345 910 R31	SHEET, RH seat side (For use with Model 2040 (Series C) Hydraulic Control Unit)
17	345 916 R11	BAFFLE, rear air
	179 834	3/8 x 9/16" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
18	603 913 C1	SPRING, linkage arm

SEAT, PLATFORMS AND SUPPORTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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PLATFORMS AND SUPPORTS
(Manual Shift Custom)

PLATFORMS AND SUPPORTS - Continued
(Manual Shift Custom)



CE-99945

1	334 011 R1	PLATFORM, RH front	8	334 010 R4	PLATFORM, LH front
	180 120	SCREW, 3/8x3/4" hex-hd cap (2)		180 120	SCREW, 3/8x3/4" hex-hd cap (3)
	103 321	WASHER, 3/8" lock (2)		103 321	WASHER, 3/8" lock (4)
	103 341	WASHER, 13/32 x 13/16 x 16 ga		103 341	WASHER, 13/32x13/16x16 ga
2	650 261 C1	PLATFORM, rear		180 122	SCREW, 3/8x1" hex-hd cap
3	334 046 R11	ANGLE, rear platform front support		613 058 C1	WASHER, pinned platform retainer
	180 120	SCREW, 3/8x3/4" hex-hd cap (2)			7/16" WASHER
	103 321	WASHER, 3/8" lock (2)	9	650 263 C1	BAR, platform support
4	334 344 R11	ANGLE, rear platform rear support		102 637	NUT, 1/2" (2)
	180 120	SCREW, 3/8x3/4" hex-hd cap (2)		180 175	SCREW, 1/2x1-1/4" hex-hd cap (2)
	103 321	WASHER, 3/8" lock (2)		180 174	SCREW, 1/2x1-1/8" hex-hd cap (2)
5	337 539 R21	SHEET, rear cover (not used with 20-260 cable control unit)		103 323	WASHER, 1/2 lock (4)
	102 635	NUT, 3/8" (6)		103 343	WASHER, 17/32x1-1/16 x 13 ga (2)
	180 121	SCREW, 3/8x7/8" hex-hd cap (2)	10	334 008 R22	CHANNEL, platform support
	180 123	SCREW, 3/8x1-1/8" hex-hd cap (6)		180 121	SCREW, 3/8x7/8" hex-hd cap (2)
	103 321	WASHER, 3/8" lock (8)		103 321	WASHER, 3/8" lock (2)
	103 341	WASHER, 13/32x13/16x16 ga (6)		103 341	WASHER, 13/32x13/16" x16 ga (4)
	113 934 H	SPACER, rear cover (x)		120 377	NUT, 3/8" (2)
6	650 269 C1	PLATFORM, LH rear	11	325 593 R1	BRACKET, platform support bar
	180 121	SCREW, 3/8x7/8" hex-hd cap (2)		102 637	NUT, 1/2" (2)
	103 321	WASHER, 3/8" lock (2)		180 175	SCREW, 1/2x1-1/4" hex-hd cap (2)
	128 145	WASHER, 7/16x1-3/8"x16 ga (2)		103 323	WASHER, 1/2" lock (2)
7	650 270 C1	PLATFORM, RH rear	12	331 195 R91	REST, foot
	180 120	SCREW, 3/8x3/4" hex-hd cap (5)		179 881	SCREW, 1/2x1" hex-hd cap (2)
	103 321	WASHER, 3/8" lock (5)		103 323	WASHER, 1/2" lock (2)
	103 341	WASHER, 13/32x13/16"x16 ga (5)		102 637	NUT, 1/2" (2)
				624 519 C91	ATTACHMENT, rest foot (Consists of REST, 331 195 R91) (See NOTES 1 and 3)

(x) - As Required.

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

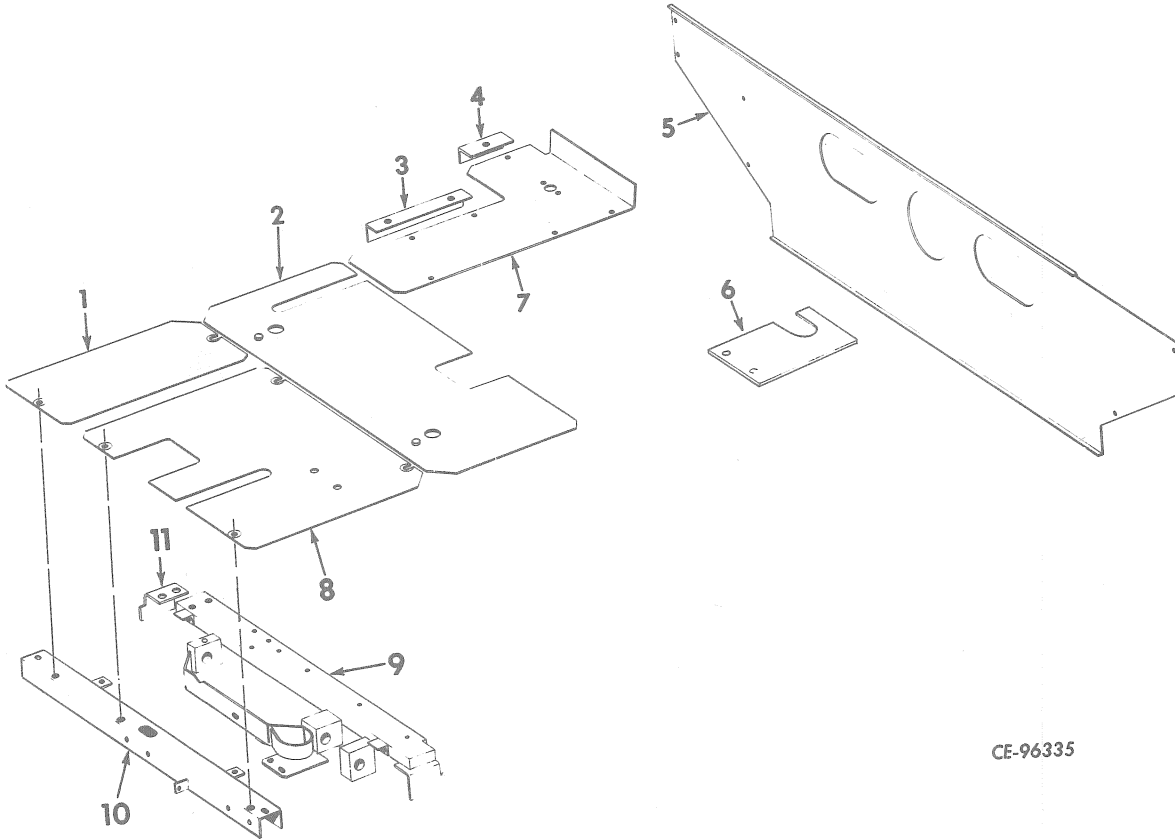
NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

SEAT, PLATFORMS AND SUPPORTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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PLATFORMS AND SUPPORTS
(Power Shift and Sideboom)

PLATFORMS AND SUPPORTS - Continued
(Power Shift and Sideboom)



CE-96335

1	334 011 R1	PLATFORM, RH front
	180 120	3/8 x 3/4" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
	103 341	13/32 x 13/16 x 16 ga WASHER
2	609 743 C11	PLATFORM ASSY, rear
3	334 046 R11	ANGLE, rear platform front support
	180 120	3/8 x 3/4" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
4	334 344 R11	ANGLE, rear platform rear support
	180 120	3/8 x 3/4" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
5	337 539 R21	SHEET, rear cover (not used with 20-260 cable control unit)
	102 635	3/8" NUT (6)
	108 121	3/8 x 7/8" hex-hd cap SCREW (2)
	180 123	3/8 x 1-1/8" hex-hd cap SCREW (6)
	103 321	3/8" lock WASHER (8)
	103 341	13/32 x 13/16 x 16 ga WASHER (6)
	113 934 H	SPACER, rear cover (X)
6	624 655 C1	PLATFORM, LH rear
	180 121	3/8 x 7/8" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
	103 341	13/32 x 13/16" x 16 ga WASHER (2)

7	334 343 R1	PLATFORM, RH rear
	180 120	3/8 x 3/4" hex-hd cap SCREW (5)
	103 321	3/8" lock WASHER (5)
8	334 010 R4	PLATFORM, LH front
	180 120	3/8 x 3/4" hex-hd cap SCREW (3)
	103 321	3/8" lock WASHER (4)
	103 341	13/32 x 13/16 x 16 ga WASHER
	180 122	3/8 x 1" hex-hd cap SCREW
	613 058 C1	WASHER, pinned platform retainer 7/16" WASHER
9	620 306 C1	BAR, platform support
	102 637	1/2" NUT (2)
	180 174	1/2 x 1-1/8" hex-hd cap SCREW (2)
	180 175	1/2 x 1-1/4" hex-hd cap SCREW (2)
	103 323	1/2" lock WASHER (4)
	103 343	17/32 x 1-1/16" x 13 ga WASHER (2)
10	334 008 R22	CHANNEL, platform support
	180 121	3/8 x 7/8" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
	103 341	13/32 x 13/16" x 16 ga WASHER (2)
	120 377	3/8" NUT (2)
11	325 593 R1	BRACKET, platform support bar
	102 637	1/2" NUT (2)
	180 175	1/2 x 1-1/4" hex-hd cap SCREW (2)
	103 323	1/2" lock WASHER (2)

(X) - As Required.

ENGINE CONTROLS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ENGINE CONTROLS (Manual Shift Custom)			ENGINE CONTROLS - Continued (Manual Shift Custom)		
1	264 097 R2	BALL, hand lever	16	103 322	WASHER, 7/16" lock
2	650 344 C91 107 762	LEVER w/PAWL, 251 846 R1, hand PIN, 3/32 x 5/8" cotter	17	604 646 C1	WASHER, engine control bellcrank (2)
3	251 846 R1	PAWL, hand lever	18	604 647 C1	BELLCRANK, engine control
4	262 704 R1	PIN, hand lever	19	334 675 R1	SPACER, engine control bellcrank
5	261 650 R1	SPRING, hand lever	20	16 252 R1	BOLT, engine control bellcrank
6	271 500	NUT, 7/16"	21	109 462	FITTING, engine control bellcrank lubrication
7	103 322	WASHER, 7/16" lock	22	650 116 C1 103 384	ROD, governor control linkage PIN, 1/8 x 3/4" cotter
8	604 646 C1	WASHER, hand lever hub (2)	23	650 107 C1	BRACKET, governor control cross shaft (2)
9	604 648 C1	HUB, hand lever		102 635	NUT, 3/8" (4)
10	109 462	FITTING, 1/8" x 90° hand lever hub lubrication		179 850	SCREW, 3/8 x 2-3/4" hex-hd cap (4)
11	334 675 R1	SPACER, hand lever hub		103 321	WASHER, 3/8" lock (4)
12	16 252 R1	BOLT, 7/16 x 4-3/4" hand lever hub			SPACER, governor control cross shaft (3/8" x 1.688" long - obtain locally) (4)
13	650 104 C1 179 859 103 322	HOUSING, governor control SCREW, 7/16 x 1-1/8" hex-hd cap (4) WASHER, 7/16" lock (4)	24	650 106 C1 179 839 103 321	ADJUSTER, low idle SCREW, 3/8 x 1" hex-hd cap WASHER, 3/8" lock
14	703 412 C1 103 498 103 384	TRUNNION, governor control (in housing) PIN, 1/2" rod end PIN, 1/8 x 3/4 cotter (2)	25	650 121	SHAFT, governor control cross
15	271 500	NUT, 7/16"	26	103 498 103 384	PIN, 1/2" rod end PIN, 1/8 x 3/4" cotter

CE-99941

ENGINE CONTROLS

REF. NO.	PART NUMBER	DESCRIPTION
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ENGINE CONTROLS - Continued
(Manual Shift Custom)

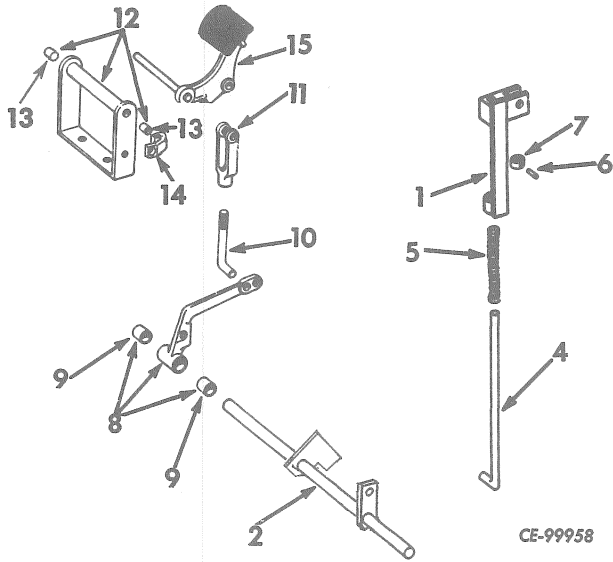
27	334 093 R1	LEVER, governor control
	108 629	PIN, 3/32 x 7/8" cotter (2)
	271 500	NUT, 7/16"
	179 864	SCREW, 7/16 x 1-3/4" hex-hd cap
	103 322	WASHER, 7/16" lock
	270 711 R1	WASHER (2)
	518 568 R1	WASHER, governor control lever
28	124 549	KEY, woodruff
29	650 119 C1	ROD, governor control front
30	103 026	NUT, 3/8NF
31	104 038	CLEVIS, adjusting rod end
	103 496	PIN, rod end
	107 762	PIN, 3/32 x 5/8" cotter

ENGINE CONTROLS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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DECELERATOR PEDAL
(Manual Shift Custom)

DECELERATOR PEDAL - Continued
(Manual Shift Custom)



628 197 C91	ATTACHMENT, decelerator - pedal (See NOTES 1 and 3) (Consists of the following)
1	703 412 C1 TRUNNION, governor control
2	650 121 C1 SHAFT, governor control cross
4	334 621 R1 ROD, trunnion
5	652 032 C1 SPRING, trunnion
6	364 437 R1 PIN, 3/16 x 7/8" groove
7	331 150 R1 STOP, trunnion spring
8	330 905 R31 LEVER w/two BUSHING, 341 987 R1, decelerator
9	341 987 R1 BUSHING, decelerator - lever (2)
10	650 600 C1 ROD, decelerator - pickup lever 103 384 PIN, 1/8 x 3/4" cotter
11	116 538 CLEVIS, decelerator - pickup short adjusting rod 103 028 NUT, 1/2" 103 498 PIN, 1/2" rod end 103 384 PIN, 1/8 x 3/4" cotter
12	650 110 C91 REST w/two BUSHING, 327 465 R1, decelerator - pedal 102 637 NUT, 1/2" (2) 179 882 SCREW, 1/2 x 1-1/4" hex-hd cap (2) 103 324 WASHER, 1/2" lock (2)
13	327 465 R1 BUSHING, support decelerator - pedal (2)

14	650 113 C1 108 636	LATCH, decelerator pedal PIN, 1/8 x 7/8" cotter
15	650 114 C1 324 653 R1 355 476 R1	PEDAL, decelerator RING, snap WASHER
	334 010 R4	PLATFORM, LH front (illustrated with "Platforms and Supports")

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

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

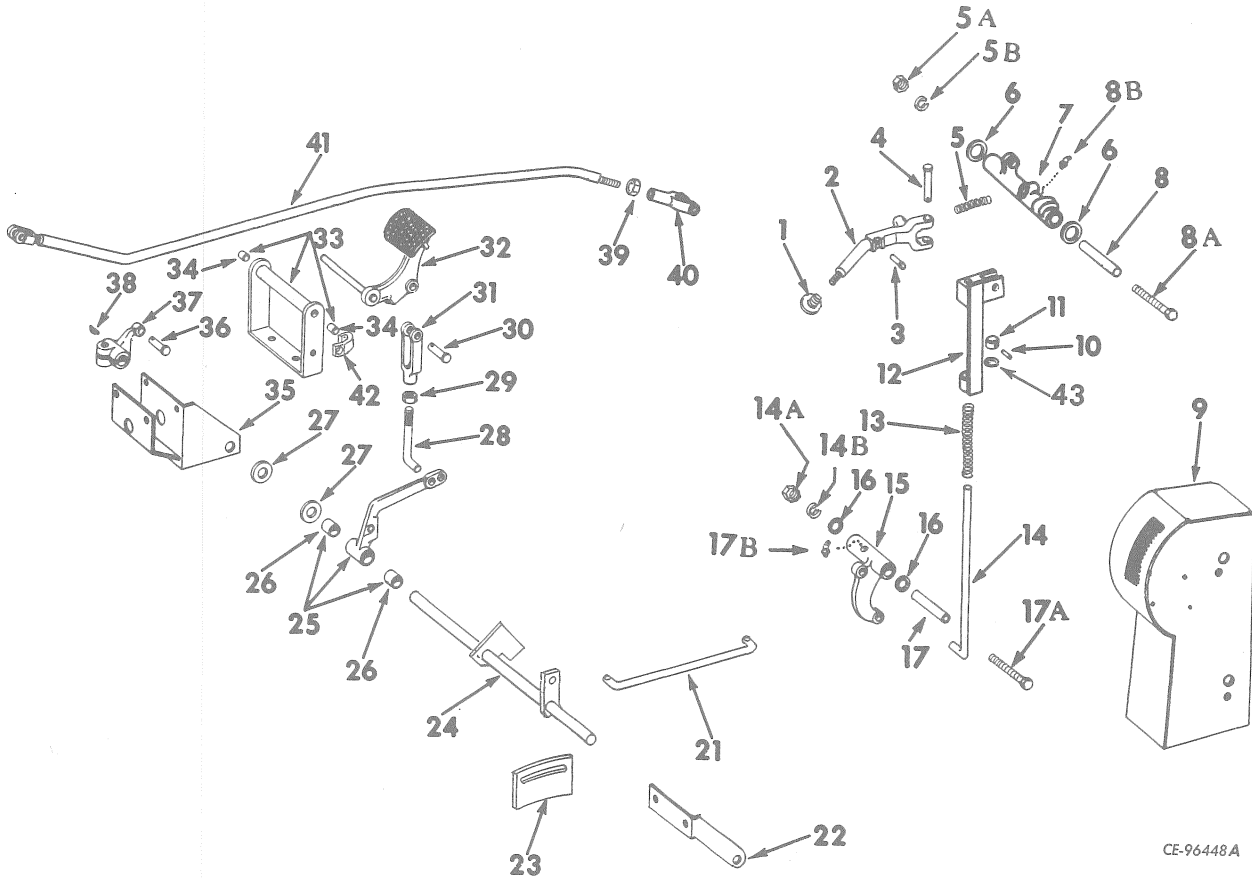
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ENGINE CONTROLS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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ENGINE CONTROLS AND DECELERATOR
(Power Shift and Sideboom)

ENGINE CONTROLS AND DECELERATOR - Continued
(Power Shift and Sideboom)



CE-96448A

1	264 097 R2	BALL, hand lever	9	650 104 C1	HOUSING, governor control
2	650 344 C91	LEVER w/PAWL, 251 846 R1, hand 107 762 3/32 x 5/8" cotter PIN	179 859	7/16 x 1-1/8" hex-hd cap SCREW (4)	
3	251 846 R1	PAWL, hand lever	103 322	7/16" lock WASHER (4)	
4	262 704 R1	PIN, hand lever	10	142 507	PIN, 3/16 x 7/8" groove
5	261 650 R1	SPRING, hand lever	11	331 150 R1	STOP, trunnion spring
5A	271 500	NUT, 7/16"	12	334 622 R92	TRUNNION
5B	103 322	WASHER, 7/16" lock	13	650 032 C1	SPRING, trunnion
6	604 646 C1	WASHER, hand lever hub (2)	14	334 621 R1	ROD, trunnion
7	604 648 C1	HUB, hand lever	14A	271 500	NUT, 7/16"
8	334 675 R1	SPACER, hand lever hub	14B	103 322	WASHER, 7/16" lock
8A	16 252 R1	BOLT, hand lever hub	15	604 647 C1	BELLCRANK, engine control
8B	109 462	FITTING, 1/8" x 90° hand lever hub lubrication	16	604 646 C1	WASHER, engine control bellcrank (2)
			17	334 675 R1	SPACER, engine control bellcrank
			17A	16 252 R1	BOLT, engine control bellcrank
			17B	109 462	FITTING, engine control bellcrank lubrication

ENGINE CONTROLS

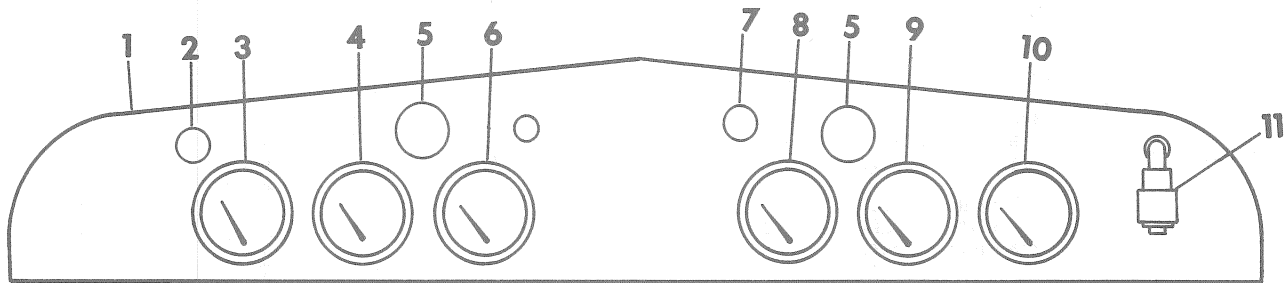
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ENGINE CONTROLS AND DECELERATOR - Continued (Power Shift and Sideboom)			ENGINE CONTROLS AND DECELERATOR - Continued (Power Shift and Sideboom)		
21	650 116 C1 103 384	ROD, governor control linkage 1/8 x 3/4" cotter PIN	43	613 454 C1	SPACER (part of TRUNNION ASSY, 334 620 R93)
22	650 107 C1 102 635 179 850 103 321	BRACKET, governor control cross shaft RH 3/8" NUT (4) 3/8 x 2-3/4" hex-hd cap SCREW (4) 3/8" lock WASHER (4)	334 620 R93	TRUNNION ASSY, engine governor control (Composed of -	
23	650 106 C1 179 839 103 321	ADJUSTER, low idle 3/8 x 1" hex-hd cap SCREW 3/8" lock WASHER		1 PIN 1 ROD 1 SPRING 1 SPACER 1 STOP 1 TRUNNION	142 507 334 621 R1 652 032 C1 613 454 C1 331 150 R1 334 622 R92)
24	650 121 C1	SHAFT, governor control cross	103 498 103 384	PIN, 1/2" rod end PIN, 1/8 x 3/4" cotter (2)	
25	330 905 R31 108 629	LEVER w/two BUSHING, 341 987 R1, decelerator 3/32 x 7/8" cotter PIN (2)			
26	341 987 R1	BUSHING, decelerator lever (2)			
27	518 568 R1	WASHER, flat (2)			
28	650 600 C1	ROD, decelerator pick-up lever			
29	103 028	NUT, 1/2NF			
30	103 498 103 384	PIN, 1/2" rod end 1/8 x 3/4" cotter PIN (2)			
31	116 538	CLEVIS, decelerator pick-up short adjusting rod			
32	650 114 C1 324 653 R1 355 476 R1	PEDAL, decelerator RING, snap WASHER			
33	650 110 C91 102 637 179 882 103 323	REST w/two BUSHING, 327 465 R1, decelerator pedal 1/2" NUT (2) 1/2 x 1-1/8" hex-hd cap SCREW (2) 1/2" lock WASHER (2)			
34	327 465 R1	BUSHING, support decelerator pedal (2)			
35	330 902 R92 102 635 179 837 103 321	BRACKET, governor control cross shaft LH 3/8" NUT (4) 3/8 x 3/4" hex-hd cap SCREW (4) 3/8" lock WASHER (4)			
36	103 498 103 384	PIN, 1/2" rod end 1/8 x 3/4" cotter PIN			
37	334 093 R1 108 629 271 500 179 864 103 322 270 711 R1 518 568 R1	LEVER, governor control 3/32 x 7/8" cotter PIN (2) 7/16" NUT 7/16 x 1-3/4" hex-hd cap SCREW 7/16" lock WASHER WASHER (2) WASHER, governor control lever			
38	124 549	KEY, woodruff			
39	103 025	NUT, 5/16NF			
40	104 038 103 496 107 762	CLEVIS, adjusting rod end PIN, rod end 3/32 x 5/8" cotter PIN			
41	650 119 C1	ROD, governor control front			
42	650 113 C1 262 916 R1	LATCH, decelerator pedal 1/8 x 7/8" cotter PIN SPRING, decelerator pedal return (part of TRUNNION ASSY, 334 620 R93)			

INSTRUMENTS AND INSTRUMENT PANEL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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INSTRUMENTS, PANEL AND PANEL HOUSING

INSTRUMENTS, PANEL AND PANEL HOUSING - Continued



CE-96304

1	624 356 C1	PANEL, instrument	915 499 R1	NUT, lower clutch oil pressure gauge tube (2)
	298 000 R1	MOUNT, instrument panel vibration	915 500 R1	SLEEVE (2)
	181 568	1/4NF x 1" hex-hd cap SCREW (4)	319 615 R1	ELBOW, lower clutch pressure gauge pipe
	115 547	1/4" lock WASHER (4)	606 049 C1	UNION, clutch oil pressure gauge pipe
	604 888 C11	HOUSING, instrument panel		
	179 837	3/8 x 3/4" hex-hd cap SCREW (6)		
	103 321	3/8" lock WASHER (6)		
2	376 852 R91	HOUSING, fuse (also listed with "Electric Starting and Lighting")	9	702 677 C1 GAUGE, fuel oil pressure
	120 151	FUSE, lighting switch	606 673 C1	CONNECTOR, fuel oil pressure tube (at engine)
3	702 222 C1	GAUGE, engine water temperature	628 107 C91	TUBE w/two SLEEVE 915 500 R1 and two NUT 915 499 R1 fuel pressure gauge
	52 062 D	GROMMET, engine water temperature tube and torque converter oil temperature tube (on dash)		
	132 244 R91	SWITCH, pressure		
4	619 817 C91	GAUGE, torque converter oil temperature (Not for manual shift custom)	915 500 R1	SLEEVE, fuel oil pressure gauge
	263 716 R91	CLIP, torque converter tube (on pressure tube clamp mounting)	915 499 R1	NUT, fuel oil pressure gauge
	366 460 R1	CLIP, torque converter oil temperature tube (on R.H. upper bolt)	606 243 C91	HOSE, fuel oil pressure gauge
	263 717 R91	CLIP, torque converter tube (on R.H. rear bolt of housing)	9 402 745	ADAPTER, fuel oil pressure gauge
4	432 577	PLUG, button (For manual shift custom)	606 885 C1	CONNECTOR, fuel oil pressure gauge upper tube (at junction block)
5		LIGHT, instrument panel (order PACKAGE, 603 467 C91) (also listed with "Electric Starting and Lighting") (2)	262 856 R1	DAMPENER, fuel oil pressure gauge
6	702 284 C1	AMMETER (also listed with "Electric Starting and Lighting")	10	702 027 C1 GAUGE, engine oil pressure
7	606 298 C91	SWITCH, lighting	9 402 745	ADAPTER, engine oil pressure gauge
8	619 818 C91	GAUGE, clutch oil pressure	606 885 C1	CONNECTOR, engine oil pressure gauge upper tube (at junction block)
9	402 745	ADAPTER, clutch oil pressure gauge	117 966	GROMMET, rubber (oil pressure hose)
	606 885 C1	CONNECTOR, clutch lube oil pressure gauge pipe (at junction block)	606 885 C1	ELBOW, engine oil pressure gauge pipe (at engine)
	117 966	GROMMET, rubber	606 242 C91	HOSE, engine oil pressure gauge to junction block (HOSE, 1/4 ID x 13-1/2" long including FITTINGS)
	606 243 C91	HOSE, clutch oil pressure gauge to junction block (HOSE, 1/4" ID x 13-1/2" long including FITTINGS)	114 794	NIPPLE, oil pressure tube to engine
	384 554 R1	CLAMP, clutch oil pressure lower pipe (on frame)	915 499 R1	NUT, engine oil pressure gauge pipe (2)
	628 100 C91	3/8 x 5/8" hex-hd cap SCREW	915 500 R1	SLEEVE (2)
		3/8" lock WASHER	628 102 C91	TUBE w/two SLEEVE, 915 500 R1 and two NUT, 915 499 R1 engine oil pressure gauge
	650 530 C91	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, clutch oil pressure gauge upper	628 103 C91	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1 engine oil pressure gauge lower
	915 499 R1	NUT, upper clutch oil pressure gauge tube (2)	606 049 C1	UNION, lube oil pressure gauge pipe
	915 500 R1	SLEEVE (2)	11	366 078 C1 INDICATOR, air cleaner filter (listed and illustrated with "Filter Service Indicator")

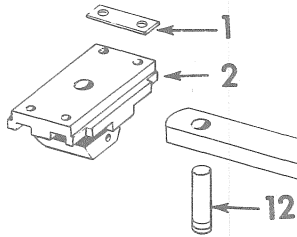
INSTRUMENTS AND INSTRUMENT PANEL

REF. NO.	PART NUMBER	DESCRIPTION
INSTRUMENTS, PANEL AND PANEL HOUSING - Continued		
334 445 R1		BLOCK, pressure gauge junction
179 821		5/16 x 1-3/8" hex-hd cap SCREW (2)
102 634		5/16" NUT (2)
103 320		5/16" lock WASHER (2)
142 450		BULB (12 volt) (on instrument panel)
193 093		BULB (24 volt) (on instrument panel)
278 834 R2		CLAMP, pressure gauge tube clamp
179 800		1/4 x 1-3/8" hex-hd cap SCREW (2)
103 319		1/4" lock WASHER (2)
147 577		1/4" flat WASHER (2)
20 337 R1		ELBOW, 90° street (optional with 444 163 and 20 338 R1) (engine oil pressure tube)
444 163		ELBOW, 90° street (optional with 20 337 R1 and 20 338 R1) (engine oil pressure tube)
20 338 R1		ELBOW, 90° street (optional with 20 337 R1 and 444 163) (engine oil pressure tube)
278 836 R2		PAD, pressure gauge tube clamp (2)
603 467 C91		PACKAGE, panel light field service (less bulb) (Consists of DASH LIGHT, WASHER 273 405 R1, and GROMMET 273 406 R1)
273 406 R1		GROMMET, panel light mounting
273 405 R1		WASHER, panel light mounting
454 168		PLUG, button (start switch hole on dash) (Not for manual shift custom)

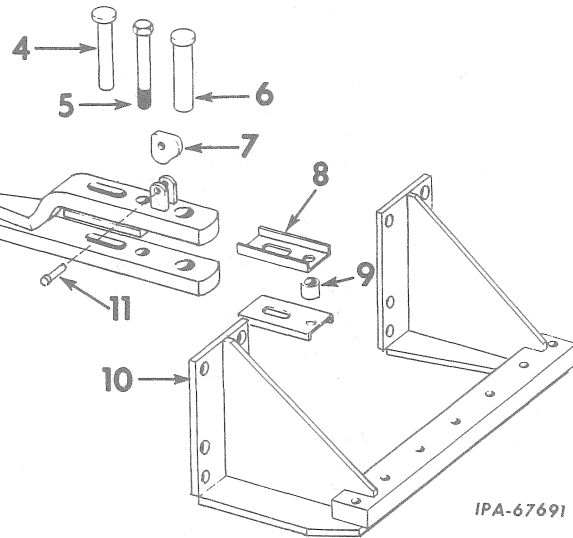
DRAWBAR

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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SWINGING DRAWBAR

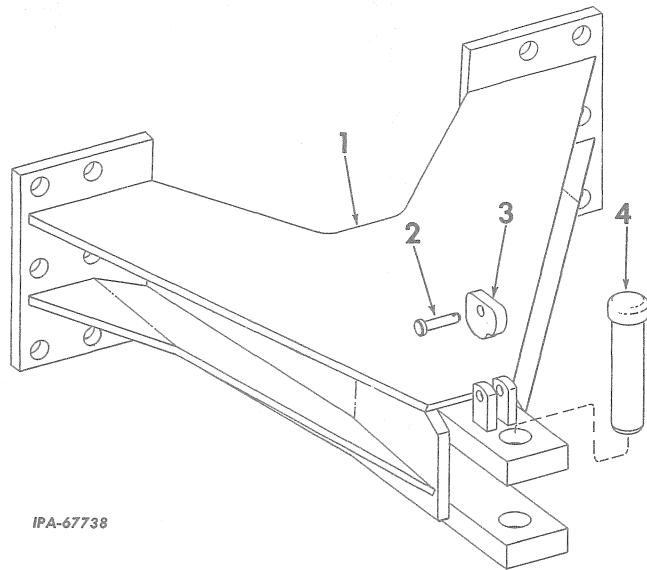


SWINGING DRAWBAR - Continued



A	334 501 R91	ATTACHMENT, swinging drawbar (For use on tractors equipped with High-mounted rear cable control units (See NOTES 1 and 3)
B	604 944 C91	ATTACHMENT, swinging drawbar (For use on tractors equipped with Lo-mounted rear cable control units) (See NOTES 1 and 3)
C		Service Parts for swinging drawbar (For manual shift custom)
1	334 251 R1	SPACER, drawbar pivot bracket (2)
2	334 232 R2	BRACKET, drawbar pivot
	223 450	SCREW, 3/4 x 2" hex-hd cap (4)
	277 606 R1	WASHER, hardened (4)
3	334 244 R11	DRAWBAR (A and C)
3	603 130 C91	DRAWBAR (B)
4	325 096 R1	PIN, drawbar clevis (Not part of Attachment)
5	20 162 R1	BOLT
	218 408	NUT, 1-1/4NF
6	279 071 R1	PIN, drawbar stop (A and C)
	103 423	PIN, 1/4 x 2-1/4" cotter
6	278 116 R1	PIN, drawbar stop (B)
7	278 112 R1	CAM, drawbar clevis pin lock (Not part of Attachment)
8	278 114 R1	PLATE, drawbar clevis wear (2)
9		SPACER, drawbar upper jaw 2 2" double extra strong pipe x 2.781" long (obtain locally)
10	603 129 C91	BRACKET, drawbar guide
	20 695 R1	BOLT, 1-1/4 x 2-1/2" hex-hd (12)
11	33 558 V	PIN, clevis to cam lock (not part of Attachment)
	103 384	PIN, 1/8 x 3/4" cotter
12	334 235 R1	PIN, drawbar pivot
	179 896	SCREW, 1/2 x 3-3/4" hex-hd cap
	103 323	WASHER, 1/2" lock
	278 115 R1	PLATE, drawbar stop pin lock (B)
	179 883	SCREW, 1/2 x 1-1/4" hex-hd cap
	103 323	WASHER, 1/2" lock

**RIGID DRAWBAR (STANDARD FOR POWER SHIFT)
(Heavy Duty Rigid Drawbar for Sideboom)**



1	334 408 R91	DRAWBAR
	20 695 R1	BOLT, drawbar mounting (10)
2	33 558 V	PIN, clevis cam lock
	103 384	1/8 x 3/4" cotter PIN
3	278 112 R1	CAM, drawbar clevis pin lock
4	325 096 R1	PIN, drawbar clevis

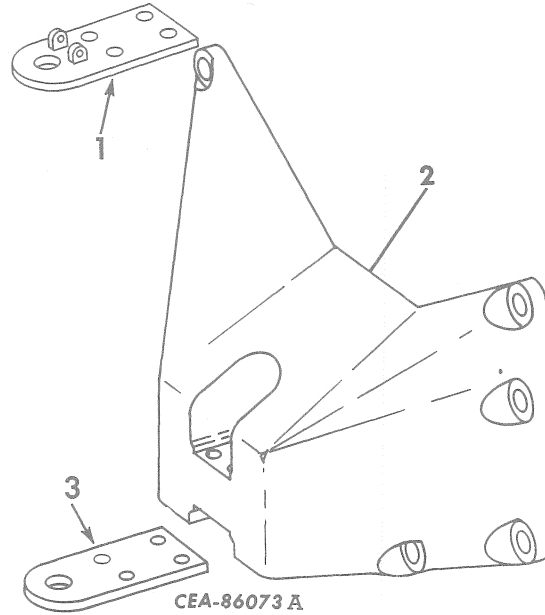
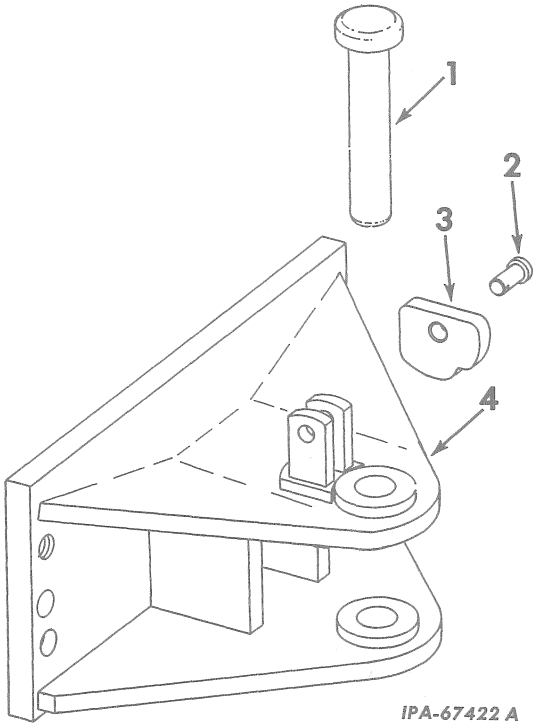
NOTE 1 - Factory Application - Order On Machine Order Form.
NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

DRAWBAR

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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RIGID DRAWBAR (NOT HEAVY DUTY)
(Sideboom)

COUNTERWEIGHT DRAWBAR
(Power Shift)



- 1 325 096 R1 PIN, drawbar clevis
- 2 33 558 V PIN, clevis cam locking
103 384 1/8 x 3/4" cotter PIN
- 3 278 112 R1 CAM, clevis pin locking
- 4 603 324 C91 DRAWBAR
223 469 7/8 x 2-1/4" hex-hd cap SCREW
type 8 (4)
271 660 7/8 x 3" hex-hd cap SCREW (2)
603 368 C1 WASHER, 5/16" ID x 2" OD (2)

- 612 719 C91 ATTACHMENT, counterweight
Drawbar (See NOTES 1 and 2)
(Consists of the following parts)
- 1 612 716 C91 CLEVIS, upper drawbar
274 296 1 x 7-1/2" hex-hd cap SCREW (4)
220 083 1" NUT (4)
- 2 612 714 C1 DRAWBAR, counterweight
19 988 R1 BOLT, drawbar counterweight (6)
20 557 R1 SCREW (2)
- 3 612 715 C91 CLEVIS, lower drawbar

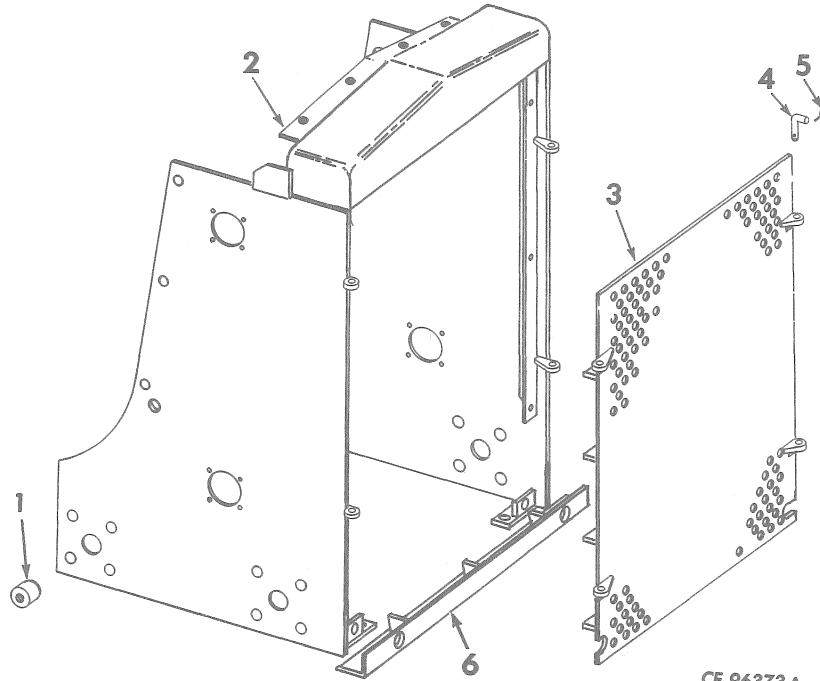
NOTE 1 - Factory Application - Order
On Machine Order Form.
NOTE 2 - Field Application - Order On
Machine Order Form.

RADIATOR GUARD

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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RADIATOR GUARD AND DOOR
(Regular not Hydraulic or Cable)

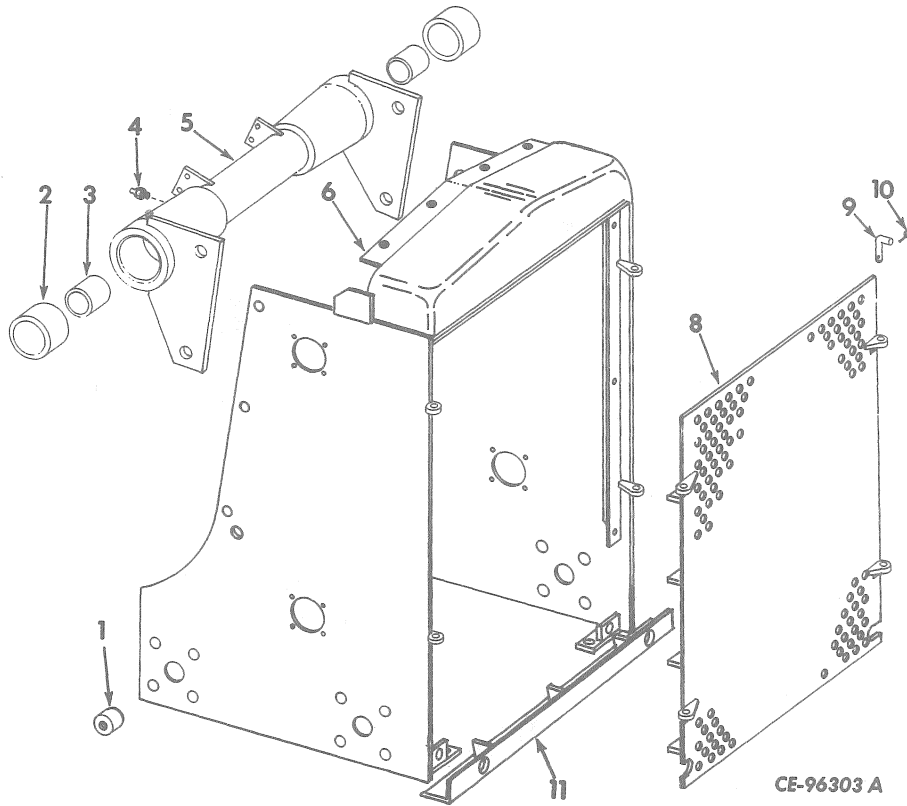
RADIATOR GUARD AND DOOR - Continued
(Regular not Hydraulic or Cable)



1	334 407 R1	DOWEL (4)	4	612 915 C1	PIN, door latch (4)
	330 567 R1	BOLT, dowel retainer	5	373 025 R1	PIN, door latch pin retainer (4)
2	624 049 C1	GUARD w/SUPPORT, radiator	6	645 378 C1	CROSSMEMBER, radiator guard
	223 469	7/8 x 2-1/4" hex-hd cap SCREW		271 562	5/8 x 2" hex-hd cap SCREW (4)
	620 176 C1	WASHER, hardened (16)		102 639	5/8" NUT (4)
3	624 059 C2	DOOR, radiator guard (not used w/radiator shutter)		104 937	CORK, No.1 (front lamp bracket mounting bolt holes) (8)
3	624 435 C2	DOOR, radiator guard (used w/radiator shutter)		104 942	CORK, No.6 (grommet hole on side plate of radiator guard) (2)

RADIATOR GUARD

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
RADIATOR GUARD AND DOOR (Hydraulic)			RADIATOR GUARD AND DOOR - Continued (Hydraulic)		



CE-96303 A

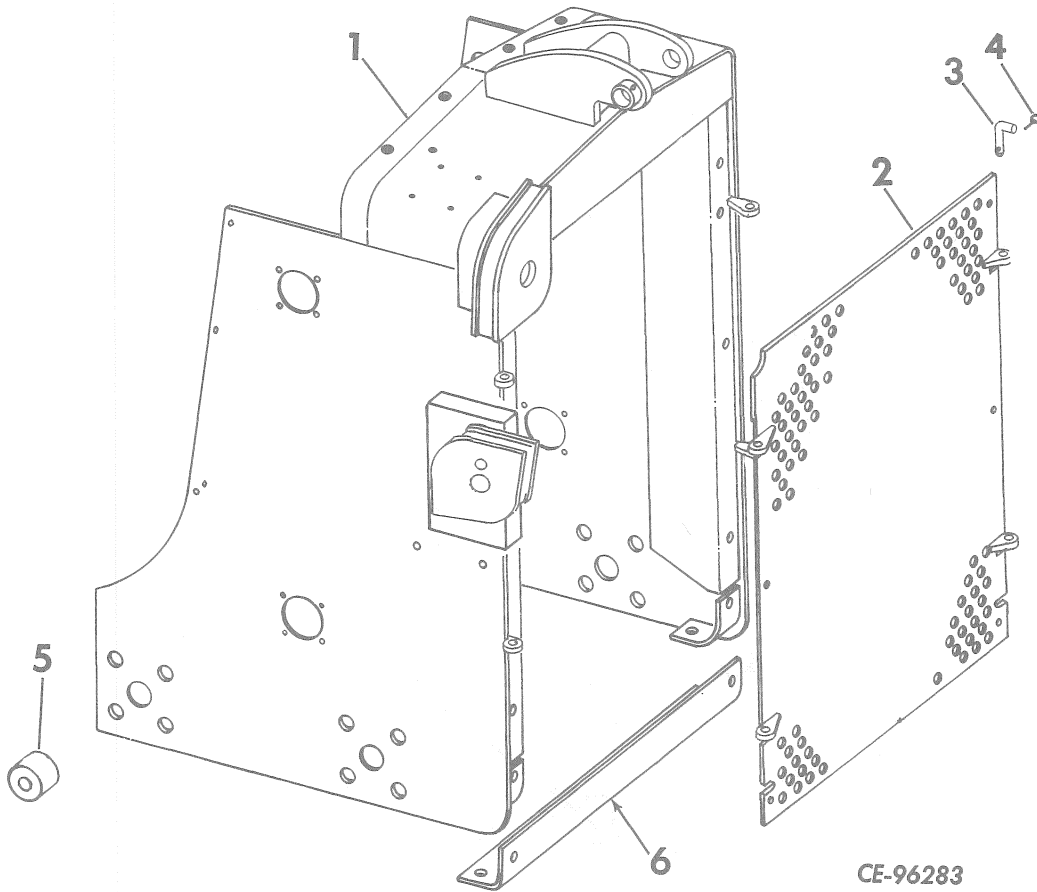
1	334 407 R1	DOWEL (4)	11	645 378 C1	CROSSMEMBER, radiator guard
	330 756 R1	BOLT, dowel retainer (4)		624 064 C91	ATTACHMENT, hydraulic radiator guard (Not for manual shift custom) (See NOTE 2)
2	289 255 R1	BUSHING, crosstube outer (2)			(Consists of the following parts -
3	345 971 R1	BUSHING, crosstube inner (2)		2	BOLT 311 979 R1
4	109 462	FITTING, 1/8" crosstube lubrication		8	1 CROSSTUBE
5		CROSTUBE (Not Furnished Separately)		2	FITTING 109 462
6	651 652 C91	GUARD w/CROSTUBE, radiator		1	GUARD, fan 650 092 C1
	271 657	7/8 x 2-1/4" hex-hd cap SCREW (Type 8) (16)		2	NUT, 3/8" stover lock
	620 176 C1	WASHER, hardened (16)		2	SCREW, 3/8 x 1-1/2" hex-hd cap
8	624 059 C2	DOOR, radiator guard (not used w/radiator shutter)	104 937	8	PIN
8	624 435 C2	DOOR, radiator guard (used w/radiator shutter)	104 942	8	SLEEVE)
9	612 915 C1	PIN, door latch (4)			CORK, No. 1 (front lamp bracket mounting bolt holes) (8)
10	373 025 R1	PIN, door latch pin (4)			CORK, No. 6 (grommet hole on side plate of radiator guard) (2)
					NUT, 3/8" stover lock (hydraulic cylinder hanger) (2)
					SCREW, 3/8 x 1-1/2" hex-hd cap (hydraulic cylinder hanger) (2)
					NOTE 2 - Field Application - Order On Machine Order Form.
					8 - Not Furnished Separately.

RADIATOR GUARD

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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RADIATOR GUARD AND DOOR
(Cable)

RADIATOR GUARD AND DOOR - Continued
(Cable)



CE-96283

1	624 067 C1	FRAME, cable lift
	223 469	7/8 x 2-1/4" hex-hd cap SCREW (Type 8) (16)
	620 176 C1	WASHER, hardened
2	624 089 C2	DOOR, radiator guard (not used w/radiator shutter)
2	624 435 C2	DOOR, radiator guard (used w/radiator shutter)
3	612 915 C1	PIN, door latch (4)
4	373 025 R1	PIN, door latch retainer (4)
5	334 407 R1	DOWEL (4)
6	645 378 C1	CROSSMEMBER, radiator guard
	271 562	5/8 x 2" hex-hd cap SCREW (4)
	102 639	5/8" NUT (4)

624 101 C91	ATTACHMENT, rear ccu radiator guard (Power Shift) (See NOTE 2) (Consists of the following parts -
§ 2	ANGLE
1	BAFFLE 343 120 R11
§ 3	BRACKETS
§ 2	GUSSETS
§ 1	PLATE)
104 937	CORK, No. 1 (front lamp bracket mounting bolt holes) (8)
104 942	CORK, No. 6 (grommet hole on side plate of radiator guard) (2)

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

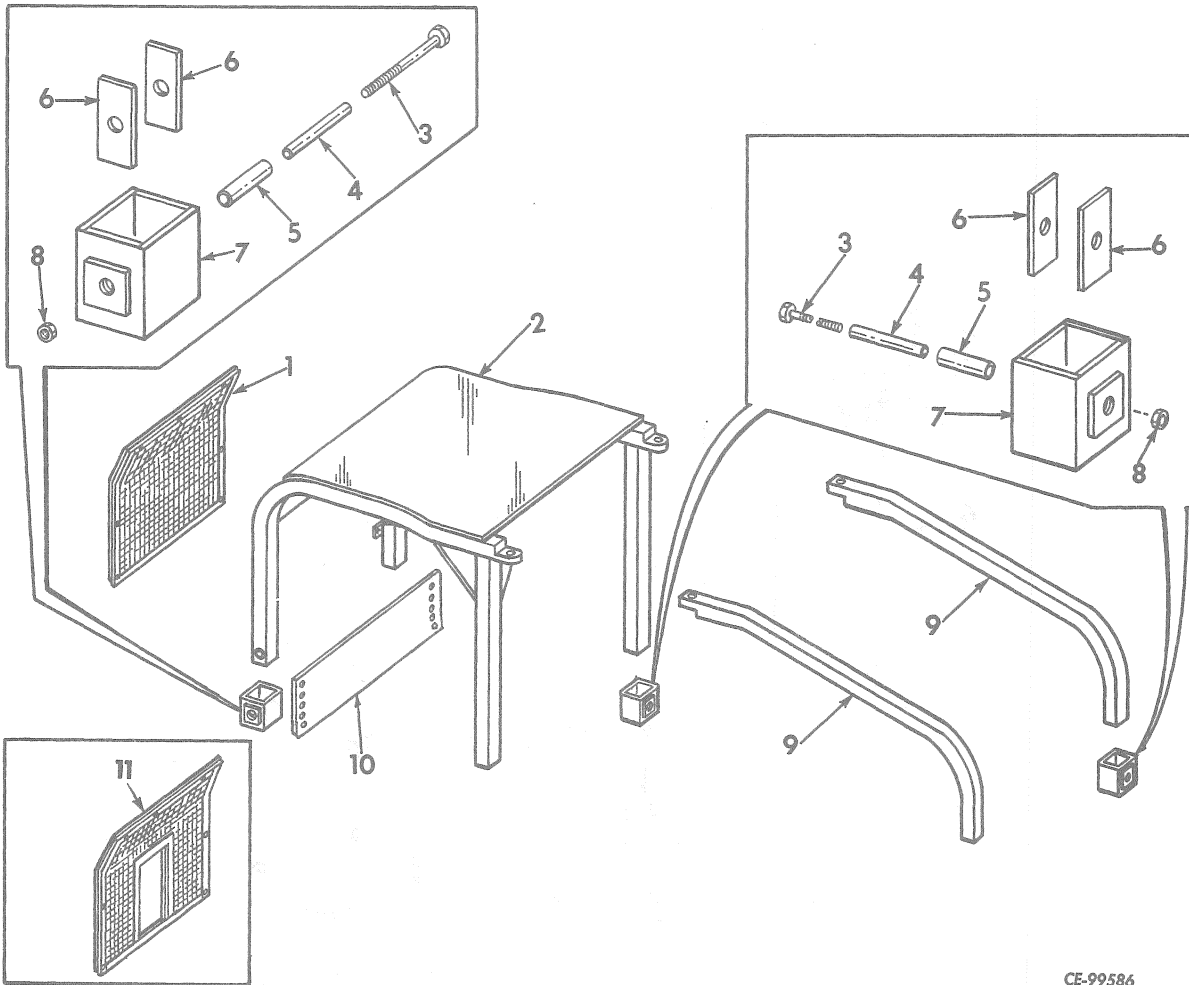
§ - Not Furnished Separately.

MISCELLANEOUS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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CANOPY
(Roll Over Protective Structure)
(Manual Shift Custom and Power Shift)

CANOPY - Continued
(Roll Over Protective Structure)
(Manual Shift Custom and Power Shift)



CE-99586

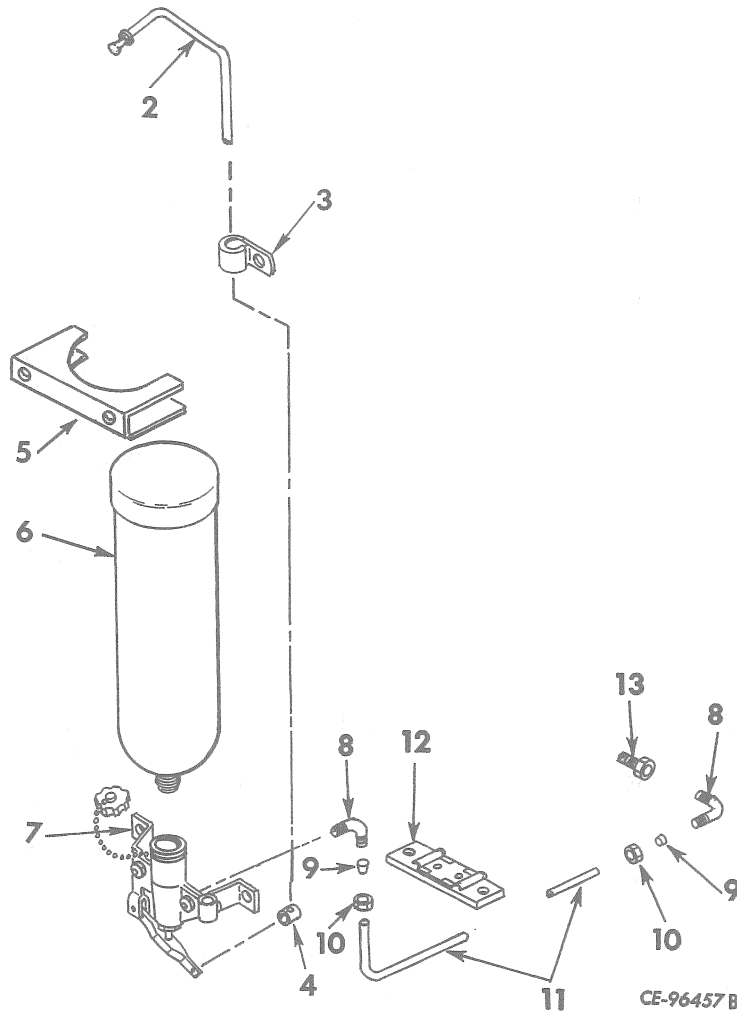
1	645 939 C1	SCREEN, rear	10	645 564 C1	PLATE, rear tie
	19 605 R1	NUT, 1/2" lock (7)		25 448 R1	SCREW, 1 x 1-1/2" hex-hd cap
	180 181	SCREW, 1/2 x 2" hex-hd cap (7)		389 351 R1	(type 8) (10)
2	646 059 C1	CANOPY			WASHER, hardened (10)
3	21 466 R1	SCREW, 1 x 8-1/2" hex-hd cap (6)	11	646 234 C1	SCREEN, rear (for crawler tractors
	557 273 R1	WASHER, 1-1/32 x 2" x 11 ga (12)		19 605 R1	equipped with MODEL 20- 260
4	646 068 C1	TUBE, shock mount (6)		180 181	REAR CABLE CONTROL UNIT)
5	646 069 C1	INSULATOR, shock mount (6)			NUT, 1/2" lock (7)
6	646 070 C1	SHEET, shock mount (12)			SCREW, 1/2 x 2" hex-hd cap (7)
7	646 065 C1	SOCKET, rear, center, and front (6)	954 476 R1	PLATE, approval No. and	
8	19 515 R1	NUT, 1" (6)		23 738 R1	identification
9	646 075 C1	SWEEP, front (2)			SCREW, drive (2)
	645 938 C1	BOLT, front sweep (2)			
	103 415	PIN, 3/16 x 3" cotter (2)			
	646 071 C1	WASHER, sweep shock (2)			
	557 274 R1	WASHER (2)			

MISCELLANEOUS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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ETHER INJECTOR

ETHER INJECTOR - Continued



	624 843 C91	ATTACHMENT, ether injector (see NOTES 1 and 3) (Consists of the following parts -	8	140 303	ELBOW, 1/8" x 90° (2)
			9	121 322	SLEEVE, ball (2)
2	876 296 R91	CABLE, ether injector control	10	121 220	NUT, ball sleeve tube (2)
	102 635	3/8" NUT	11	650 146 C1	TUBE, ether
	103 321	3/8" lock WASHER			
3	384 554 R1	CLAMP, control cable	12	398 305 C1	CLAMP, saddle
4	288 219 C1	STOP, control cable		102 634	5/16" NUT (2)
	436 748	No. 10 NF x 3/8" pan-slt-hd cap SCREW		650 166 C1	SCREW, hex-hd cap (2)
				103 320	5/16" lock WASHER (2)
				103 340	11/32 x 11/16" x 16 ga WASHER flat (2)
5	215 331 R1	CLAMP, cylinder	13	269 635 R91	NOZZLE (in intake manifold)
	103 128	5/16" wing NUT (2)			
	103 320	5/16" lock WASHER (2)			
6		CYLINDER, starting fluid (Pressurized) (Not furnished as part of Attachment; order part No. LP-535-1 from Turner Corporation, 821 Park Avenue, Sycamore, Illinois, 60178.)	2 754 455 R1		PRODUCT GRAPHIC, ether injector
7		VALVE ASSY, ether starting (for components see list of parts under details of "Ether Starting Valve")			

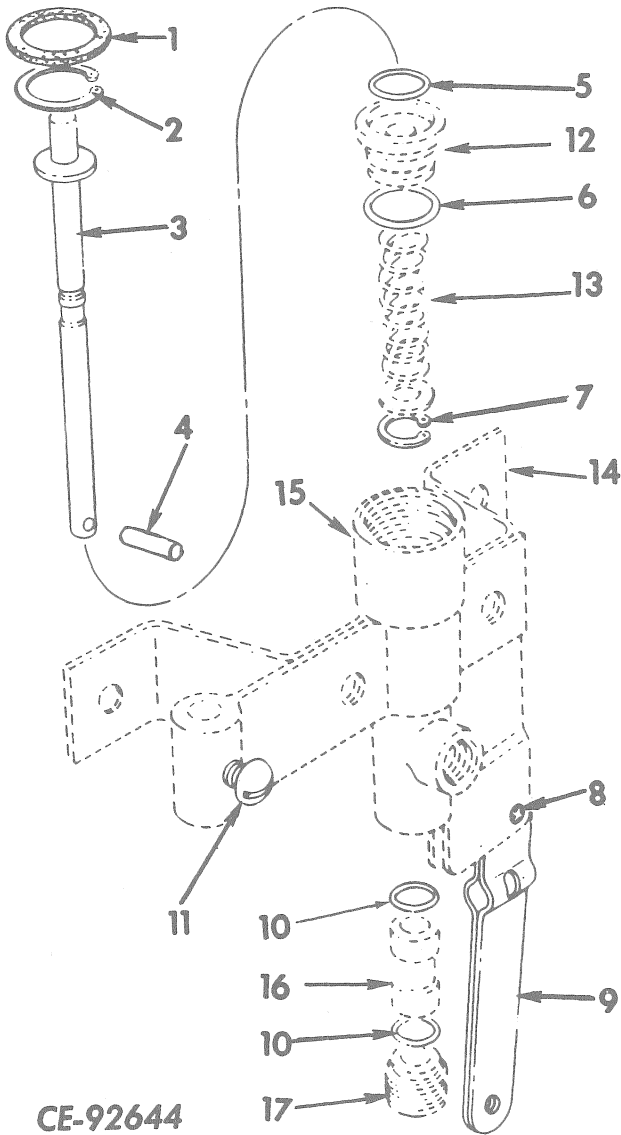
NOTE 1 - Factory Application - Order On Machine Order Form.

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

MISCELLANEOUS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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ETHER STARTING VALVE



ETHER STARTING VALVE - Continued

11	SCREW, No. 10 x 1/2" rd-hd slt mach.
12	CAP, valve (Not Furnished Separately)
13	SPRING, valve (Not Furnished Separately)
14	BRACKET, valve (Not Furnished Separately)
15	BODY, valve (Not Furnished Separately)
16	PLUNGER, valve (Not Furnished Separately)
17	CAP, valve (Not Furnished Separately)

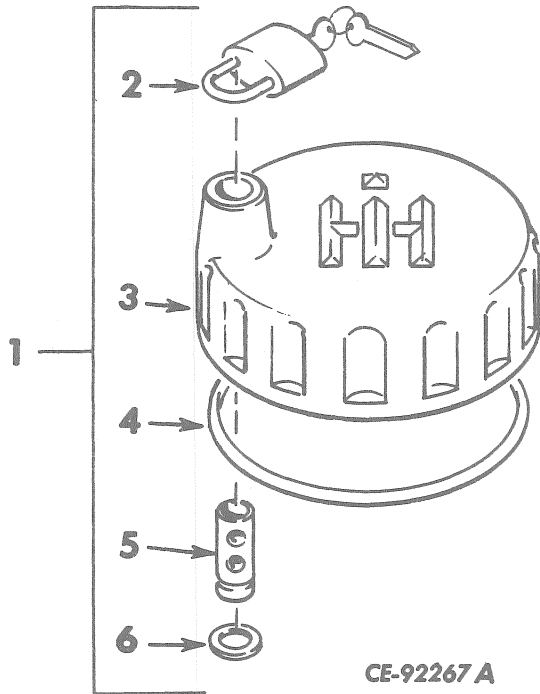
CE-92644

	255 816 C91	VALVE ASSY, ether starting
	109 084	1/4" NUT (2)
	179 898	1/4 x 1-1/8" hex-hd cap SCREW (2)
	103 319	1/4" lock WASHER (2)
		(Consists of the following parts -
1	256 049 C1	GASKET, 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, 1/4 x 3/8 x 1/16"
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)

MISCELLANEOUS

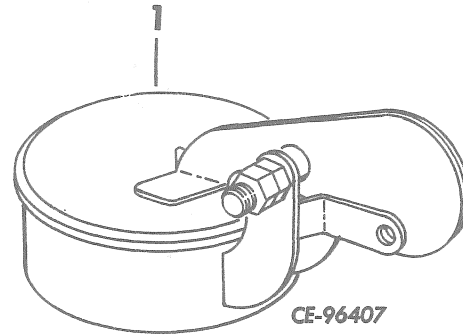
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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LOCKING CAP



CE-92267 A

LOCKABLE EXHAUST RAIN CAP



CE-96407

628 013 C91 ATTACHMENT, lockable exhaust rain cap (see NOTES 1 and 2)
(Consists of the following parts -

1 650 289 C91 CAP, lockable exhaust rain

701 980 C91 ATTACHMENT, locking cap (used with CAP 701 922 C1, only) (See NOTE)

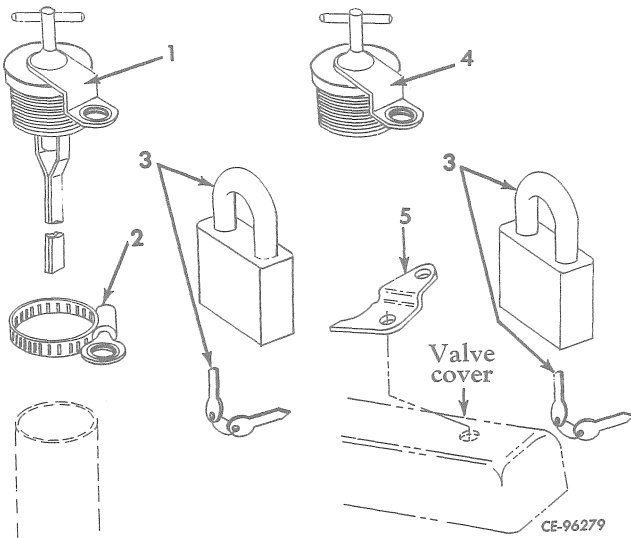
- 1 701 980 C91 CAP, outer locking
- 2 PADLOCK w/KEYS (Not Furnished Separately)
- 3 CAP, outer locking (Not Furnished Separately)
- 4 309 056 R1 RING, retaining (optional with 300 027 R1)
- 4 300 027 R1 RING, retaining (optional with 309 056 R1)
- 5 PIN, locking cap (Not Furnished Separately)
- 6 23 221 R1 RING, retaining

NOTE 1 - Factory Application - Order On Machine Order Form.
NOTE 2 - Field Application - Order On Machine Order Form.

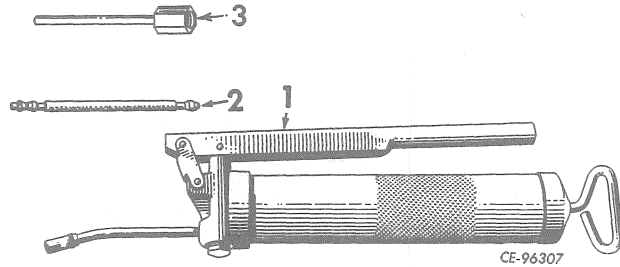
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REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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ENGINE OIL LEVEL DIPSTICK AND OIL FILLER CAP LOCK

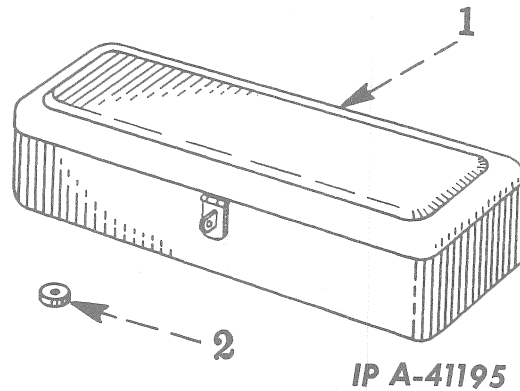


TOOLS



- 1 999 677 R91 GUN, lubricator hand (15 oz. size) (part of ATTACHMENT 999 677 R91)
- 2 619 581 C91 EXTENSION, flexible grease gun
- 3 310 944 R91 NOZZLE, lubricator tank
- 999 677 R91 ATTACHMENT, lubricator hand (Consists of GUN, 999 677 R91) (See NOTES 1 and 3)

TOOL BOX AND PADLOCK W/KEYS



- 628 012 C91 ATTACHMENT, engine oil level dipstick and oil filler cap lock (see NOTES 1 and 3) (Consists of the following parts -
- 1 673 058 C92 DIPSTICK, engine oil level
- 2 623 761 C1 CLAMP, dipstick lock
- 3 650 382 C91 LOCK w/KEYS, pad (2)
- 4 673 080 C91 CAP, oil filler
- 5 673 081 C1 PLATE, oil filler cap lock
- 17 510 R1 SCREW, hex-hd cap
- 103 341 13/32 x 13/16 x 16 ga. WASHER (annular) (2)

Parts without letters after the description indicate the part is used for all Tool Boxes and Padlocks listed below. Letters A and B are to identify separate Tool Boxes and Padlocks.

- A 331 937 R91 ATTACHMENT, tool box (see NOTES 1 and 3)
- B 276 678 R91 ATTACHMENT, padlock w/KEYS (Consists of Padlock w/KEYS) (see NOTES 1 and 3)
- 1 325 479 R91 BOX, tool (Attachment A)
- 102 635 3/8" NUT (4)
- 179 842 3/8 x 1-3/8" hex-hd cap SCREW (4)
- 103 321 3/8" lock WASHER (4)
- 103 341 13/32 x 13/16 x 16 ga WASHER (4)
- 2 SPACER, tool box (3/8 x .46 long - obtain locally) (4 for Attachment A)

NOTE 1 - Factory Application - Order On Machine Order Form.
 NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

NOTE 1 - Factory Application - Order On Machine Order Form.
 NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

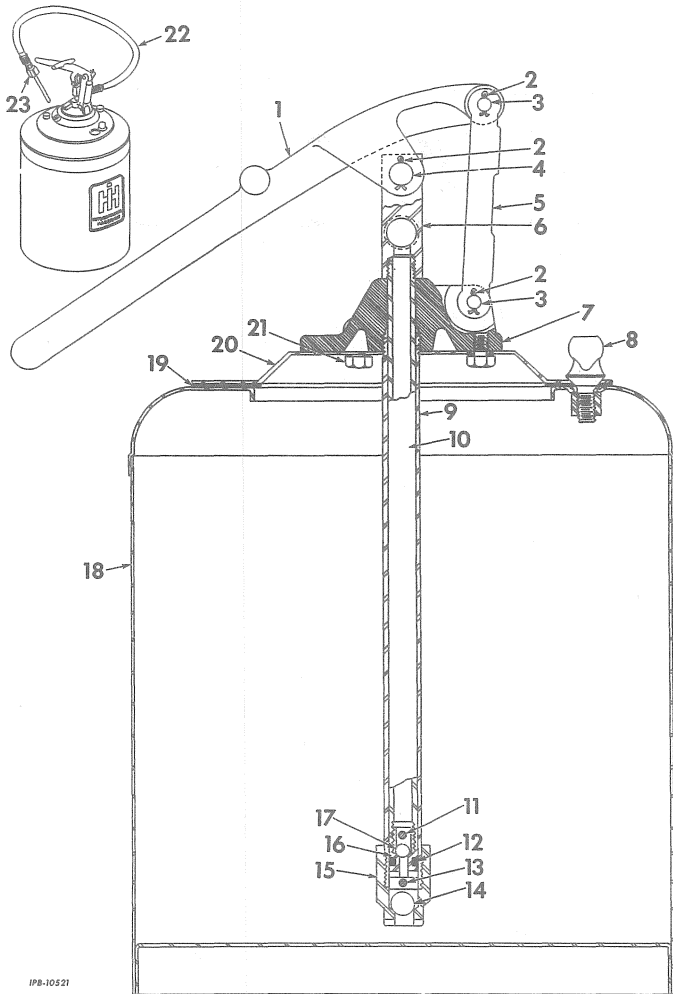
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REF. NO.	PART NUMBER	DESCRIPTION
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REF. NO.	PART NUMBER	DESCRIPTION
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LUBRICATOR
(Tank Type) (Lincoln Engineering Co.)

LUBRICATOR - Continued
(Tank Type) (Lincoln Engineering Co.)



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	179 790 115 547	SCREW, 1/4 x 7/16" hex-hd cap (3) 1/4" internal-tooth lock WASHER (3)
22	53 207 D	HOSE, lubricator (3 ft. long)
23	310 944 R91	NOZZLE, lubricator

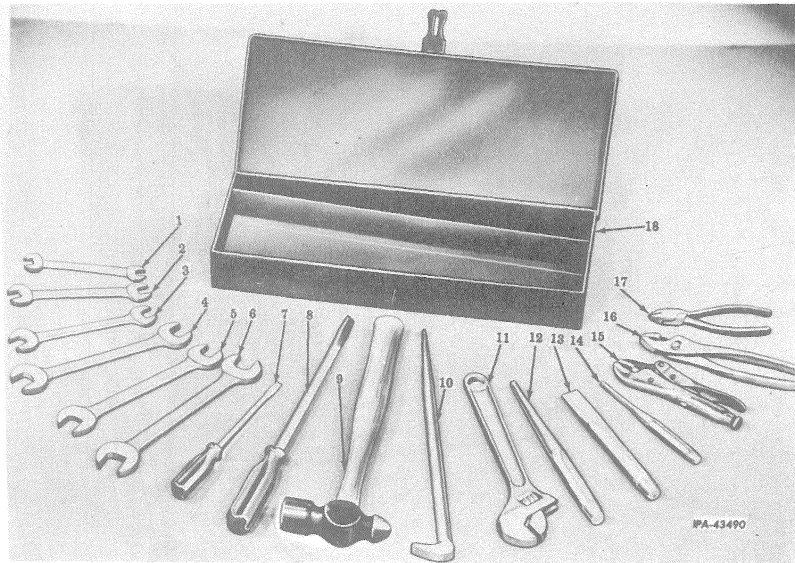
IPB-10521

309 015 R91 LUBRICATOR ASSY (consists of the following parts)

1	55 482 D	HANDLE, lever
2	103 372	PIN, 3/32 x 1/2" cotter (3)
3	40 638 D	PIN, toggle (2)
4	40 635 D	PIN, handle
5	277 153 R1	TOGGLE
6	53 202 D	OUTLET, pump
7	310 923 R1	BODY, pump
8	55 479 D	SCREW, container cover (3)
9	53 206 D	TUBE, pump
10	53 205 D	ROD, piston
11	53 200 D	PIN, piston
12	53 203 D	PACKING, piston
13	53 201 D	PIN, foot valve
14	16 014 R1	BALL, check

MISCELLANEOUS

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



		TOOL SET (Consists of seventeen tools and tool box) (also see "Tools" listed in Miscellaneous Equipment Section of Catalog) (see NOTE) (IH Part Number 276 820 R91)	14	PP-6	PUNCH (3/16" bit x 10" long)
			15	735	WRENCH, vise grip (7")
			16	712-A	PLIER (slip joint, 8")
1	E-1416	WRENCH, end (7/16 x 1/2")	17	700-B	CUTTER, diagonal (6")
2	E-1820	WRENCH, end (9/16 x 5/8")	18	H-190	BOX, tool
3	E-2022	WRENCH, end (5/8 x 11/16")			
4	E-2426	WRENCH, end (3/4 x 13/16")			
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)			
12	TP-24	PUNCH (5/16" bit x 10" long)			
13	CC-24	CHISEL (7/8" bit x 8" long)			

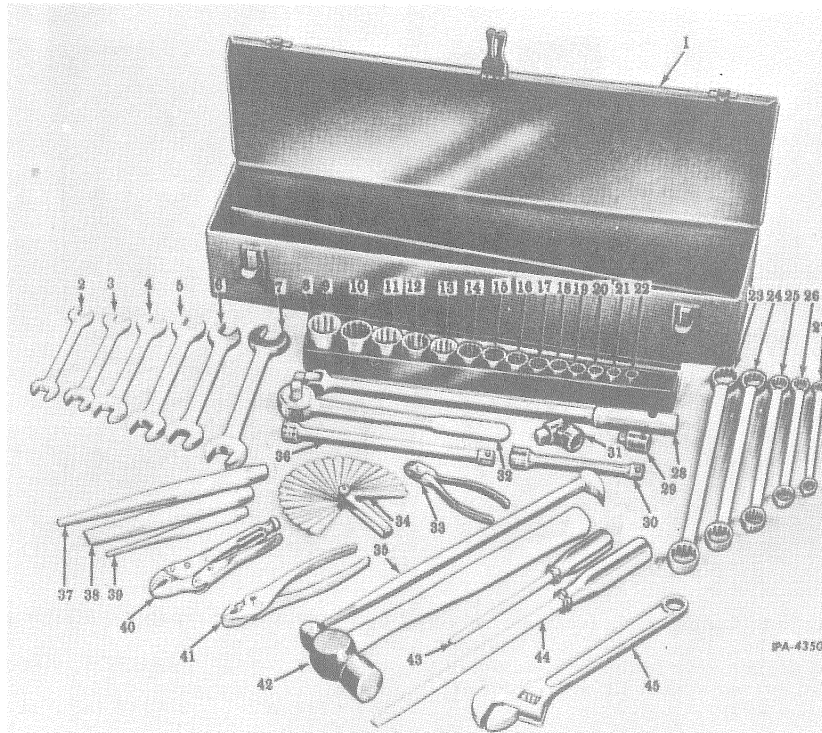
NOTE - Order individual tools and complete tool sets from Service Tools, Inc., 1901 So. Indiana Ave., Chicago, Illinois, 60616.

MISCELLANEOUS

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

TOOL SET - Continued
(Owatonna Tool Co.)



TOOL SET (consists of forty-three tools and tool box) (also see "Tools" listed in Miscellaneous Equipment Section of catalog) (IH Part Number 276 821 R91) (See NOTE)

1	H-391	BOX, tool	31	H-189	JOINT, universal
2	E-1416	WRENCH, end (7/16 x 1/2")	32	H-163	RATCHET (reversible)
3	E-1820	WRENCH, end (9/16 x 5/8")	33	700-B	CUTTER, diagonal (6")
4	E-2022	WRENCH, end (5/8 x 11/16")	34	861	GAUGE, feeler (25 blades)
5	E-2426	WRENCH, end (3/4 x 13/16")	35	PB-43	BAR, pry (9/16" rd x 16" long)
6	E-2628	WRENCH, end (13/16 x 7/8")	36	H-173	EXTENSION (10")
7	E-3032	WRENCH, end (15/16 x 16 x 1")	37	TP-24	PUNCH (5/16" bit x 10" long)
8	195	TRAY	38	CC-24	CHISEL (7/8" bit x 8" long)
9	140	SOCKET (1-1/4")	39	PP-6	PUNCH (3/16" bit x 7" long)
10	138	SOCKET (1-3/16")	40	735	WRENCH, vise grip (7")
11	136	SOCKET (1-1/8")	41	712-A	PLIER (slip joint, 8")
12	134	SOCKET (1-1/16")	42	BP-32	HAMMER (ball peen)
13	132	SOCKET (1")	43	SS-83	SCREWDRIVER (1/4" shank)
14	130	SOCKET (15/16")	44	SS-123	SCREWDRIVER (3/8" shank)
15	128	SOCKET (7/8")	45	DA-12	WRENCH (12" adjustable)
16	126	SOCKET (13/16")			
17	124	SOCKET (3/4")			
18	122	SOCKET (11/16")			
19	120	SOCKET (5/8")			
20	118	SOCKET (9/16")			
21	116	SOCKET (1/2")			
22	114	SOCKET (7/16")			
23	B-3032	WRENCH, box (15/16 x 1")			
24	B-2628	WRENCH, box (13/16 x 3/4")			
25	B-2024	WRENCH, box (5/8 x 3/4")			
26	B-1820	WRENCH, box (9/16 x 5/8")			
27	B-1416	WRENCH, box (7/16 x 1/2")			

28	H-177	HANDLE, flex
29	D-1612	ADAPTER (1/2" female, 3/8" male)
30	H-172	EXTENSION (6")

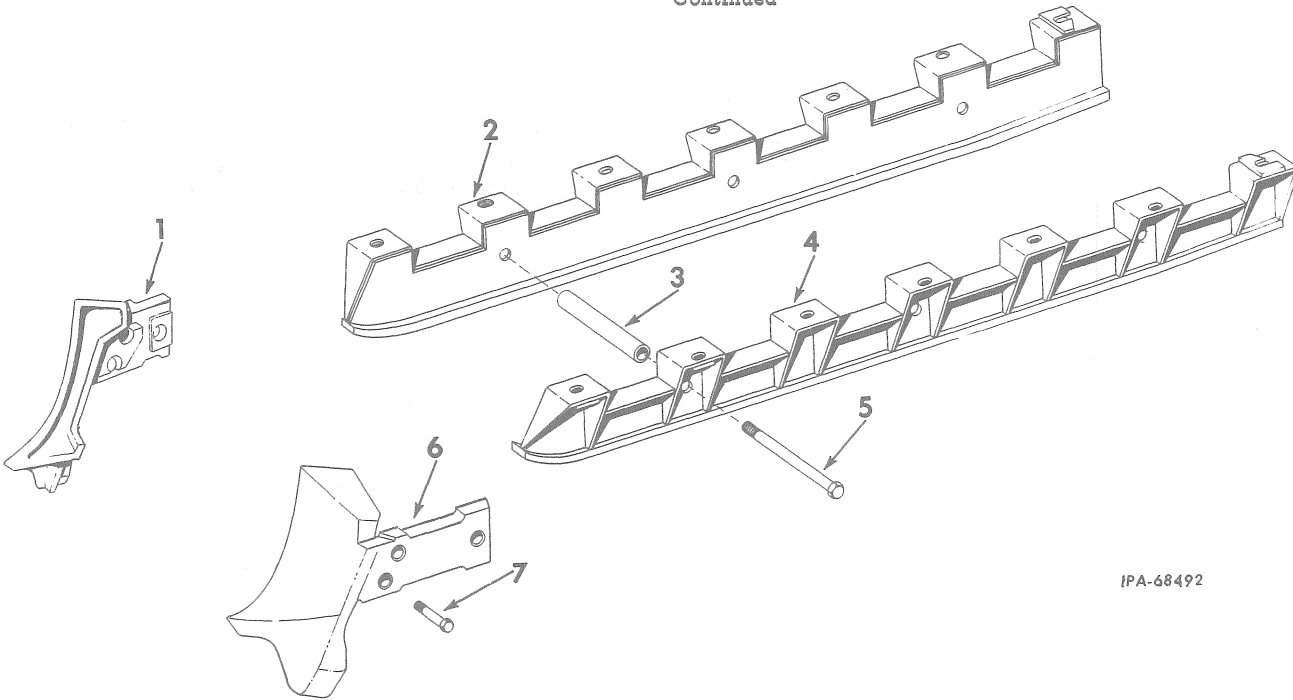
NOTE - Order individual tools and complete tool sets from Service Tools, Inc. 1901 South Indiana Avenue Chicago, Illinois, 60616

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MISCELLANEOUS
(For Crawler Tractors)

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRACK ROLLER AND SPROCKET ROCK SHIELD

TRACK ROLLER AND SPROCKET ROCK SHIELD - Continued



IPA-68492

Parts without letters after the description indicate the part is used for all attachments listed below: Letters "A" and "B" are used to identify separate Attachments.

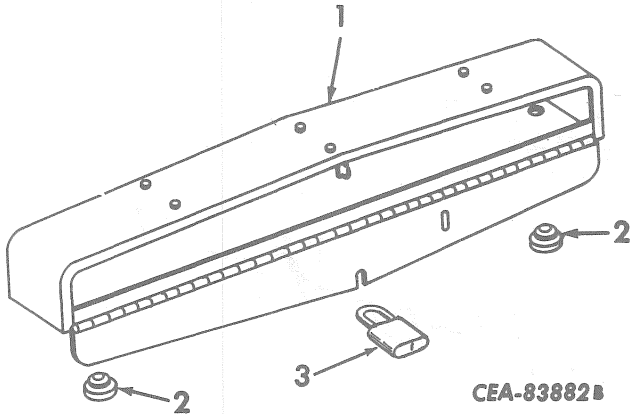
			4	620 253 C1	SHIELD, RH track roller (2 for Attachment A)	
				271 769	BOLT, (3/4 x 2-1/4" long) (14)	
				39 422 D	WASHER (14)	
			4	616 483 C1	SHIELD, RH track roller (2 for Attachment B)	
				223 450	BOLT, (3/4 x 2" long) (16)	
				39 422 D	WASHER (16)	
A	620 254 C91	ATTACHMENT, track roller and sprocket rock shield (Not for Sideboom) (See NOTES 1 and 3)				
B	609 665 C92	ATTACHMENT, track roller and sprocket rock shield (For Sideboom) (See NOTES 1 and 3)	5	22 965 R1	BOLT, track roller shield spacer (16)	
				220 081	NUT, (16)	
				39 422 D	WASHER, (16)	
1	331 992 R1	DEFLECTOR, LH sprocket rock outer (Attachment A)	6	334 300 R1	DEFLECTOR, LH sprocket rock inner (Attachment A)	
	338 025 R1	BOLT, sprocket shield (3/4 x 2-1/2" long)	6	334 301 R1	DEFLECTOR, RH inner and LH outer, sprocket rock (2 for Attachment B)	
	330 558 R1	BOLT, sprocket rock deflector (2)	6	334 301 R1	DEFLECTOR, RH sprocket rock inner (Attachment A)	
1	331 993 R1	DEFLECTOR, RH sprocket rock outer (Attachment A)	7	330 558 R1	BOLT, sprocket shield (3/4 x 3-3/4" long) (6 for LH and RH sprocket rock inner - Attachment A) (6 for RH inner and LH outer - Attachment B)	
	338 025 R1	BOLT, sprocket shield (3/4 x 2-1/2" long)				
	330 558 R1	BOLT, sprocket rock deflector (2)				
1	334 300 R1	DEFLECTOR, LH inner and RH outer, sprocket rock (2 for Attachment B)				
	330 558 R1	BOLT, sprocket rock deflector (6)				
2	620 252 C1	SHIELD, LH track roller (2 for Attachment A)				
	271 769	BOLT, (3/4 x 2-1/4" long) (14)				
	39 422 D	WASHER, (14)				
2	616 482 C1	SHIELD, LH track roller (2 for Attachment B)				
	223 450	BOLT, (3/4 x 2" long) (16)				
	39 422 D	WASHER (16)				
3	616 481 C1	SPACER, track roller shield (14)				
	39 422 D	WASHER (28)				
	22 965 R1	BOLT, (3/4 x 13-1/4" long) (14)				

NOTE 1 - Factory Application - Order On Machine Order Form.
NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

MISCELLANEOUS

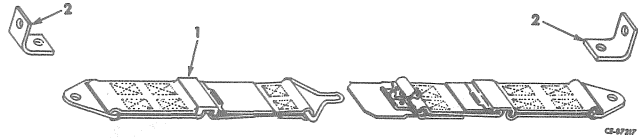
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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INSTRUMENT PANEL GUARD



	607 775 C92	ATTACHMENT, instrument panel guard (See NOTES 1 and 3)
1	607 776 C91	GUARD w/two BUMPER, 607 785 C1, instrument
	103 024	1/4NF NUT (4)
	103 319	1/4" lock WASHER (8)
	607 786 C1	STUD, instrument guard mounting (4)
	16 559 R1	WASHER (4)
2	607 785 C1	BUMPER, instrument guard cover (2)
3	650 382 C91	PAD LOCK w/KEYS

SAFETY SEAT BELT



	703 107 C91	ATTACHMENT, safety seat belt (consists of BELT, 702 248 C1, two BRACKET, 616 166 C1 and installation PAMPHLET, 1 085 320 R1) (See NOTES 1 and 3)
1	702 248 C1	BELT, seat
	102 637	1/2" NUT (2)
	179 881	1/2 x 1" hex-hd cap SCREW (2)
	103 323	1/2" lock WASHER (2)
2	616 166 C1	BRACKET, seat belt hold down (2)
	179 859	7/16 x 1-1/8" hex-hd cap SCREW (2)

NOTE 1 - Factory Application - Order On Machine Order Form.
 NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

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MISCELLANEOUS
(For Crawler Tractors)

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
PRODUCT GRAPHICS AND GASKET PACKAGES			PRODUCT GRAPHICS AND GASKET PACKAGES - Continued		
603 290 C93		PACKAGE, product identification product graphic (for tractors painted IH yellow) (Consists of - § 2 PRODUCT GRAPHIC, "IH" monogram § 1 PRODUCT GRAPHIC, "IH" monogram § 5 PRODUCT GRAPHIC, International § 2 PRODUCT GRAPHIC, "250" Model Symbol § 2 PRODUCT GRAPHIC, "TD-20" Model Symbol § 2 PRODUCT GRAPHIC, "Series C" § 1 PRODUCT GRAPHIC, "I. H. C. of Canada" § 2 PRODUCT GRAPHIC, "Custom Application"	628 154 C91		PACKAGE, instruction product graphic (#) (Consists of - § Product graphic, steering and shifting (gear drive) § Product graphic, shifting and steering (power shift) § Product graphic, air cleaner instructions § Product graphic, ground speed (gear drive) § Product graphic, be careful operator safety § Product graphic, off-on master switch § Product graphic, oil pressure warning § Product graphic, alternator instructions
		The following identification and instructional Product Graphics are available.	604 743 C91		PACKAGE, torque converter gasket field service (for power shift) (Consists of 18 Gaskets and Rings as follows -
2 754 077 R1		PRODUCT GRAPHIC, shifter safety lock	324 069 R1		GASKET, output shaft bearing retainer (2)
2 754 078 R1		PRODUCT GRAPHIC, shifter safety lock (#)	324 092 R2		GASKET, pump inspection cover
2 750 764 R1		PRODUCT GRAPHIC, oil pressure warning and engine shut-down	321 988 R1		RING, torque converter to flywheel housing sealing
2 754 310 R1		PRODUCT GRAPHIC, "Series C" (#) (2)	324 062 R1		RING, hub sealing
2 751 377 R2		PRODUCT GRAPHIC, "TD-20" Model Symbol (#) (2)	324 065 R1		RING, output shaft sealing (piston hook type)
2 752 314 R1		PRODUCT GRAPHIC, International (#)	336 970 R1		RING, input pump sealing (2)
2 752 314 R1		PRODUCT GRAPHIC, International (on radiator guard) (#)	343 927 R1		RING, power take-off cover sealing
311 263 R1		EMBLEM, IH (stainless steel) (on radiator guard) (#)	338 972 R1		SHIM, impeller hub (.005") (3)
628 073 C1		PRODUCT GRAPHIC, custom application model symbol (#) (2)	347 089 R1		SHIM, impeller hub (.010") (3)
345 610 R91		EMBLEM, IH (stainless steel) (on radiator guard)	347 090 R1		SHIM, impeller hub (.020") (3)
145 372		No. 4 x 1/4" drive SCREW (2)			
2 752 315 R1		PRODUCT GRAPHIC, International (#) (2)			
2 752 377 R1		PRODUCT GRAPHIC, field adjusting of pivot brake and foot pedal			
130 080		No. 8 x 1/2" rd-hd-slt wood SCREW (4)			
312 552 R1		PLATE, turbo-charger warning			
145 373		No. 6 x 1/4" rd-hd drive SCREW (4)			

- For Tractors Painted Other Than IH Yellow.
§ - Not Furnished Separately.

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MISCELLANEOUS
 (For Crawler Tractors)

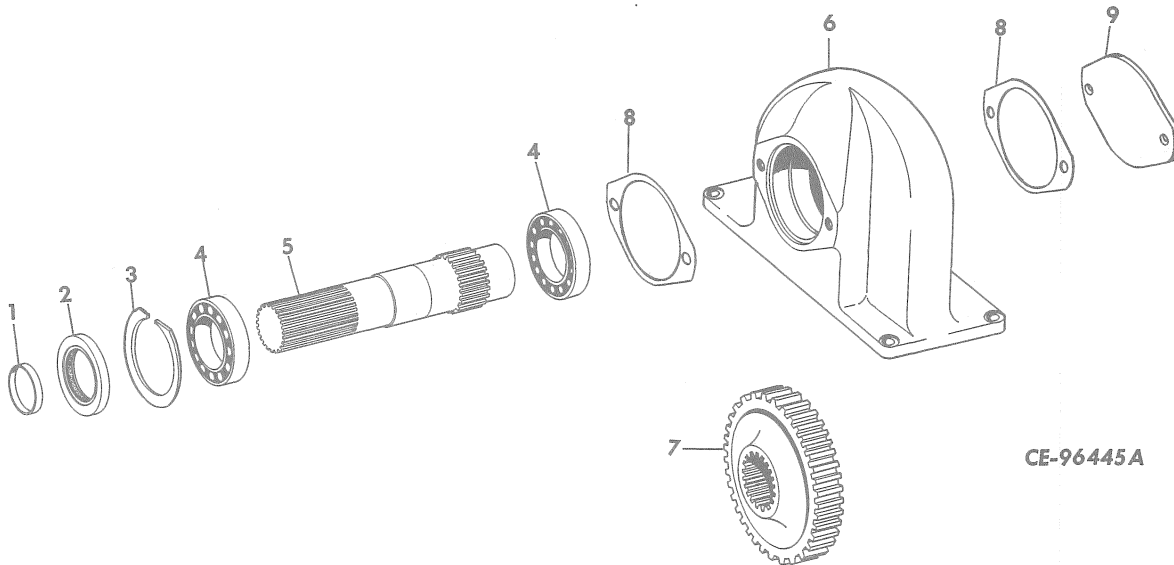
REF. NO.	PART NUMBER	DESCRIPTION
PRODUCT GRAPHICS AND GASKET PACKAGES - Continued		
629 296 C91		PACKAGE, transmission gasket field service (Consists of the following)
142 756		GASKET, poppet spring plug sealing (1-1/4" annular) (2)
269 910 R1		GASKET, bevel pinion shaft front bearing retainer plug
321 992 R1		GASKET, main regulator valve cover (5)
325 040 R2		GASKET, main regulator valve
325 647 R1		GASKET, high-low shifter
334 709 R2		GASKET, transmission case cover
616 302 C1		GASKET, hydraulic valve spacer
257 642 R1		RING, oil seal housing sealing
259 246 R1		RING, spline shaft bearing cap sealing
654 747 C1		RING, transmission case upper sealing
610 411 C1		RING, bevel pinion shaft front bearing sealing
369 751 R1		RING, range selector valve plug sealing (2)
325 059 R1		RING, reverse clutch shaft sealing (4)
610 416 C1		RING, bevel pinion shaft bearing cage sealing
654 749 C1		RING, transmission case lower sealing
327 090 R1		RING, forward shaft sealing (4)
324 489 R3		RING, seal (piston hook type) (forward and reverse clutch pack) (8)
324 488 R2		RING, accelerator piston sealing (forward and reverse clutch pack) (4)
324 495 R1		RING, clutch piston sealing (forward and reverse clutch pack) (2)
324 497 R1		RING, separator plate sealing (forward and reverse clutch pack) (2)
253 070 R1		RING, hi-lo shifter poppet sealing
370 943 R1		RING, range selector valve cover sealing (6)
369 908 R1		RING, forward and reverse clutch shaft small hydraulic manifold seal (4)
350 667 R1		RING, forward and reverse clutch shaft hydraulic manifold small sealing (4)
354 836 R1		RING, reverse clutch shaft hydraulic manifold sealing
355 966 R1		RING, selector valve manifold sealing (10)
379 181 R1		RING, range selector valve sealing (5)
574 069 R1		RING, range selector valve sealing (2)
345 834 R1		SHIM, clutch shaft medium (3)
345 835 R1		SHIM, clutch shaft heavy (3)
334 717 R1		SHIM, bevel pinion shaft medium (3)
334 718 R1		SHIM, bevel pinion shaft light (3)
334 719 R1		SHIM, bevel pinion shaft light (3)

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MISCELLANEOUS
(For Crawler Tractors)

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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POWER TAKE-OFF
(Power Shift)

POWER TAKE-OFF - Continued
(Power Shift)



	628 125 C91	ATTACHMENT, power take-off (See NOTES 1 and 3)	6	654 692 C1 151 795 R1	HOUSING, power take-off WASHER (5) SCREW, 1/2 x 1-1/4" hex-hd cap (Type 4) (4) WASHER, 3/8" lock (2) WASHER, 1/2" lock (6)
1		SLEEVE, power take-off wear (Order PACKAGE, 624 756 C91)		474 906 R1	STUD, housing NUT, 1/2"
2		OIL SEAL, power take-off (Order PACKAGE, 624 756 C91)	7	624 755 C1	GEAR, power take-off
3	326 668 R1	RING, power take-off bearing retainer (2) SCREW, 3/8 x 7/8" hex-hd cap (4) WASHER, 3/8" lock (4)	8	312 453 R1	GASKET, pump flange (2)
4	ST 201	BEARING, power take-off drive shaft (2)	9	654 238 C1 63 115 D	COVER, power take-off SCREW, 3/8 x 7/8" hex-hd cap (2) WASHER, flat (hardened) (2)
5	624 754 C1	SHAFT, power take-off drive		624 756 C91	PACKAGE, power take-off oil seal and wear sleeve (Consists of oil seal and sleeve)

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

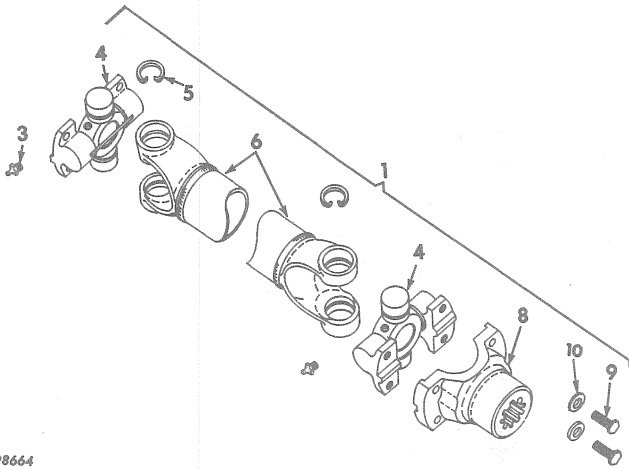
NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

MISCELLANEOUS
(For Crawler Tractors)

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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POWER TAKE-OFF ADAPTER
(Mechanics)
(Power Shift)

POWER TAKE-OFF ADAPTER - Continued
(Mechanics)
(Power Shift)



1	019 082 R1	PAMPHLET, installation instruction (A)
	305 109 R91	RETAINER and SEAL (8)
	605 775 C11	SHEET, LH rear cover (B)
	605 776 C11	SHEET, RH rear cover (B)
	102 635	NUT, 3/8" (5)
	179 838	SCREW, 3/8 x 7/8" hex-hd cap (6)
	179 840	SCREW, 3/8 x 1-1/8" hex-hd cap (5)
	103 321	WASHER, 3/8" lock (11)
	103 341	WASHER, 13/32 x 13/16" x 16 ga (5)
	37 335 H	SHIELD, dust (8)

CE-98664

A	624 988 C91	ATTACHMENT, power take-off adapter (for use on units equipped with power take-off ATTACHMENT, 628 125 C91, and hi-mounted rear cable control unit) (see NOTES 1 and 2)
B	624 989 C91	ATTACHMENT, power take-off adapter (for use on units equipped with power take-off ATTACHMENT, 628 125 C91, and lo-mounted rear cable control unit) (see NOTES 1 and 2)
1	645 306 C91 271 556	"U" JOINT ASSY (A) SCREW, 5/8 x 1-1/4" hex-hd cap
1	643 307 C91 179 881 103 323	"U" JOINT ASSY (B) SCREW, 1/2 x 1" hex-hd cap LOCKWASHER, 1/2"
3	110 146 R91	FITTING, lubrication (optional with 102 467 H) (2)
3	102 467 H	FITTING, lubrication (optional with 110 146 R91) (2)
4	317 722 R91	SPIDER w/BEARINGS (2)
5	97 710 H	RING, snap (4)
6	627 195 C1	TUBE (A)
6	627 196 C1	TUBE (B)
8	317 708 R1	YOKE, fitting
9	37 479 HA 110 730	BOLT, 3/8NF x 27/32" (8) WASHER
10	605 779 C11 271 562	ANGLE, rear sheet mounting (2 for B) SCREW, 5/8 x 2" hex-hd cap (2)

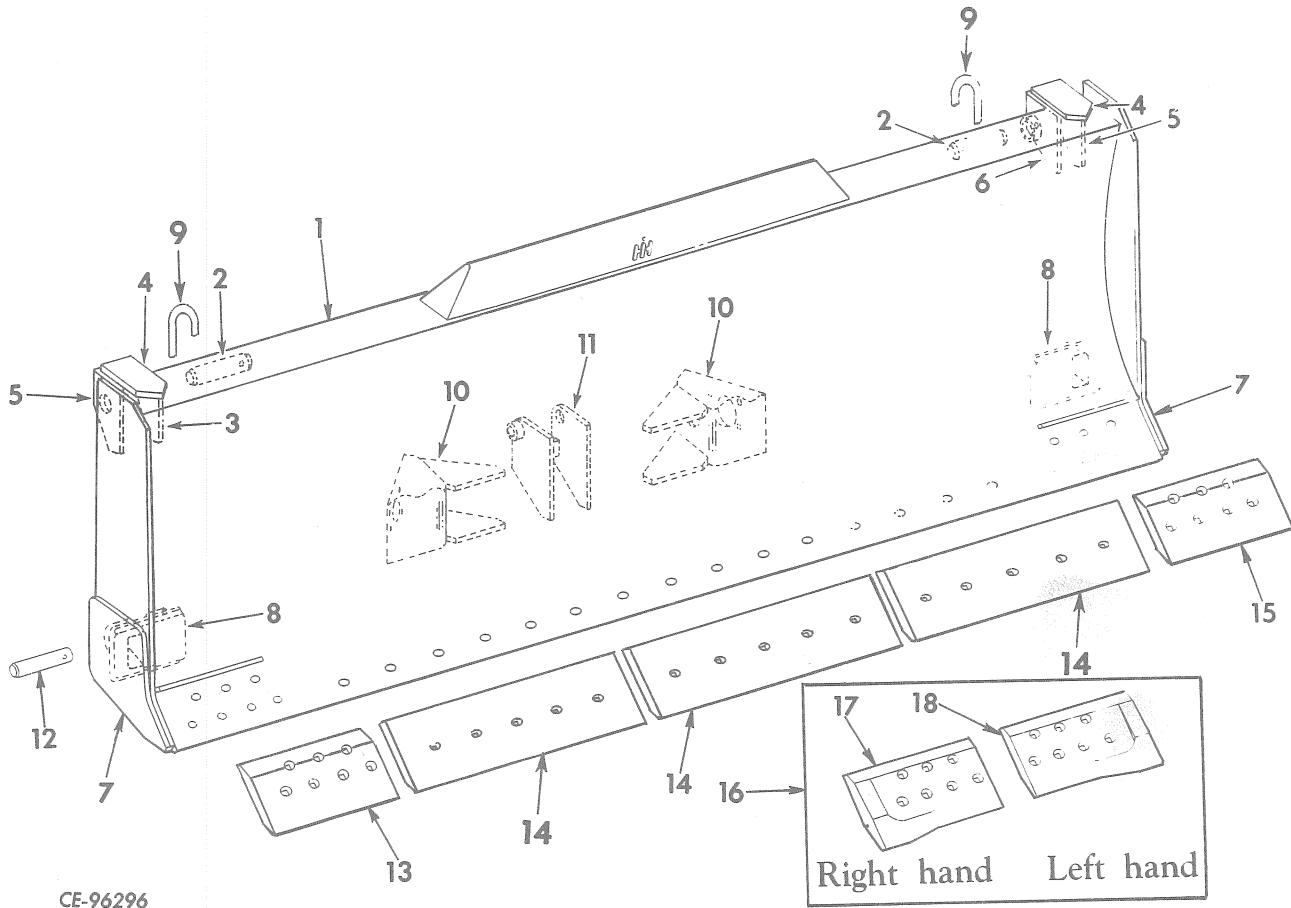
NOTE 1 - Factory Application - Order On Machine Order Form.

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

MEMORANDA

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CABLE
BULLGRADERS AND BULLDOZERS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BULLDOZER BLADE (Not Semi "U" Blade) (Cable) (Model 20C D3)			BULLDOZER BLADE - Continued (Not Semi "U" Blade) (Cable) (Model 20C D3)		



1	701 695 C92	BLADE w/EDGE and BITS ASSEMBLY, CABLE DOZER (Composed of -	7	618 230 C1	PLATE, end wear (2)
	1	BIT 626 006 C1	8	320 798 R91	BRACKET, push arm (2)
	1	BIT 626 007 C1	9	315 093 R1	LOOP, strut lock (2)
	§ 1	BLADE	10	320 832 R2	SOCKET, diagonal strut (2)
	23	BOLT 326 301 R1	11	701 687 C1	BRACKET, cable lift
	6	BOLT 326 304 R1	12	309 789 R2	PIN, push arm bracket (2)
	2	BRACKET 320 798 R91	9	413 956	1/2" stover lock NUT (2)
	1	BRACKET 701 687 C1	179 895		1/2 x 3-1/2" hex-hd cap SCREW (2)
	3	EDGE 623 986 C1	13	626 007 C1	BIT, RH end (not heavy duty)
	2	FITTING 109 461		326 301 R1	BOLT, plow (7/8 x 2-3/4" long)(4)
	2	LOOP 315 093 R1		326 304 R1	BOLT, plow (7/8 x 6" long) (3)
	1	LUG 315 089 R91		220 082	7/8" (thick) NUT (7)
	1	LUG 315 090 R91	14	623 986 C1	EDGE, cutting (3)
	2	LUG 315 091 R1		326 301 R1	BOLT (7/8 x 2-3/4" long) (15)
	2	PLATE 618 230 C1		220 082	7/8" (thick) NUT (15)
	2	PLATE 315 092 R1	15	626 006 C1	BIT, LH end (not heavy duty)
	2	SOCKET 320 832 R2)		326 301 R1	BOLT, plow (7/8 x 2-3/4" long) (4)
				326 304 R1	BOLT, plow (7/8 x 6" long) (3)
				220 082	7/8" (thick) NUT (7)
2	315 506 R1	PIN, upper strut (2)	14	623 986 C1	EDGE, cutting (3)
9	413 956	1/2" stover lock NUT (2)		326 301 R1	BOLT (7/8 x 2-3/4" long) (15)
	179 894	1/2 x 3-1/4" hex-hd cap SCREW (2)		220 082	7/8" (thick) NUT (15)
3	315 090 R91	LUG, upper strut RH	15	626 006 C1	BIT, LH end (not heavy duty)
4	315 092 R1	PLATE, strut lug reinforcing (2)		326 301 R1	BOLT, plow (7/8 x 2-3/4" long) (4)
5	315 091 R1	LUG, upper strut (2)		326 304 R1	BOLT, plow (7/8 x 6" long) (3)
6	315 089 R91	LUG, upper strut LH		220 082	7/8" (thick) NUT (7)

§ - Not Furnished Separately.

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CABLE
BULLGRADERS AND BULLDOZERS

REF. NO.	PART NUMBER	DESCRIPTION
BULLDOZER BLADE - Continued (Not Semi "U" Blade) (Cable) (Model 20C D3)		
16	335 669 R91	ATTACHMENT, cast steel end bit (See NOTES 1 and 3)
17	619 566 C1	BIT, RH end (heavy duty)
	326 301 R1	BOLT, plow (7/8 x 2-3/4" long) (4)
	326 304 R1	BOLT, plow (7/8 x 6" long) (3)
	220 082	7/8" (thick) NUT (7)
18	619 565 C1	BIT, LH end (heavy duty)
	326 301 R1	BOLT, plow (7/8 x 2-3/4" long) (4)
	326 304 R1	BOLT, plow (7/8 x 6" long) (3)
	220 082	7/8" (thick) NUT (7)
	109 461	FITTING, 1/8" lubrication (2)

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

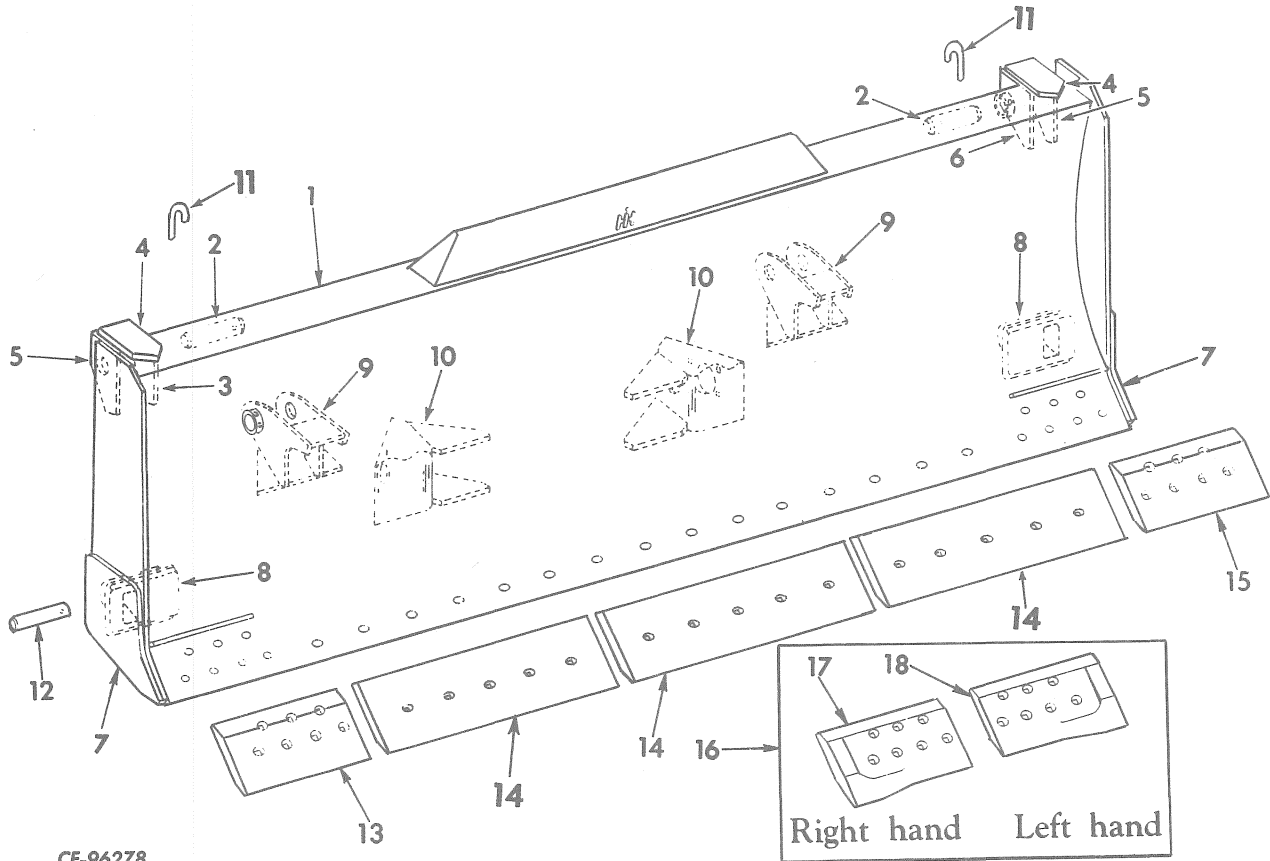
NOTE 3 - Field Application - Order
Through Regular Service
Parts Channels.

HYDRAULIC
BULLGRADERS AND BULLDOZERS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BULLDOZER BLADE
(Not Semi "U" Blade)
(Hydraulic)
(Model 20C D2)

BULLDOZER BLADE - Continued
(Not Semi "U" Blade)
(Hydraulic)
(Model 20C D2)



CE-96278

1	700 852 C92	BLADE w/EDGE and BITS ASSEMBLY, HYDRAULIC DOZER (Composed of -	9	700 784 C1	BRACKET, hydraulic (2)
		1 BIT 626 006 C1	10	320 832 R2	SOCKET, diagonal strut (2)
		1 BIT 626 007 C1	11	315 093 R1	LOOP, strut lock (2)
		1 BLADE	12	309 789 R2	PIN, push arm bracket (2)
		23 BOLT 326 301 R1	9 413 956		1/2" stover lock NUT (2)
		6 BOLT 326 304 R1	179 894		1/2 x 3-1/4" hex-hd cap SCREW (2)
		2 BRACKET 320 798 R91			
		2 BRACKET 700 874 C1	13	626 007 C1	BIT, RH end (not heavy duty)
		3 EDGE 623 986 C1		326 301 R1	BOLT, plow (7/8 x 2-3/4" long) (4)
		2 FITTING 109 461		326 304 R1	BOLT, plow (7/8 x 6" long) (3)
		1 LUG 315 089 R91		220 082	7/8" (thick) NUT (7)
		1 LUG 315 090 R91	14	623 986 C1	EDGE, cutting (3)
		2 LUG 315 091 R1		326 301 R1	BOLT (7/8 x 2-3/4" long) (4)
		2 PLATE 315 084 R1		220 082	7/8" (thick) NUT (15)
		2 PLATE 315 092 R1			
		2 SOCKET 320 832 R2)			
2	315 506 R1	PIN, upper strut (2)	15	626 006 C1	BIT, LH end (not heavy duty)
9 413 956		1/2" stover lock NUT (2)		326 301 R1	BOLT, plow (7/8 x 2-3/4" long) (4)
179 894		1/2 x 3-1/4" hex-hd cap SCREW (2)		326 304 R1	BOLT, plow (7/8 x 6" long) (3)
3	315 090 R91	LUG, upper strut RH		220 082	7/8" (thick) NUT (7)
4	315 092 R1	PLATE, strut lug reinforcing (2)			
5	315 091 R1	LUG, upper strut (2)			
6	315 089 R91	LUG, upper strut LH			
7	618 230 C1	PLATE, end wear (2)			
8	320 798 R91	BRACKET, push arm (2)			

8 - Not Furnished Separately.

HYDRAULIC
BULLGRADERS AND BULLDOZERS

REF. NO.	PART NUMBER	DESCRIPTION
BULLDOZER BLADE - Continued (Not Semi "U" Blade) (Hydraulic) (Model 20C D2)		
16	335 669 R91	ATTACHMENT, cast steel end bit (See NOTES 1 and 3)
17	619 566 C1	BIT, RH end (heavy duty)
	326 301 R1	BOLT, plow (7/8 x 2-3/4" long) (4)
	326 304 R1	BOLT, plow (7/8 x 6" long) (3)
	220 082	7/8" (thick) NUT (7)
18	619 565 C1	BIT, LH end (heavy duty)
	326 301 R1	BOLT, plow (7/8 x 2-3/4" long) (4)
	326 304 R1	BOLT, plow (7/8 x 6" long) (3)
	220 082	7/8" (thick) NUT (7)
	109 461	FITTING, 1/8" lubrication (2)

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

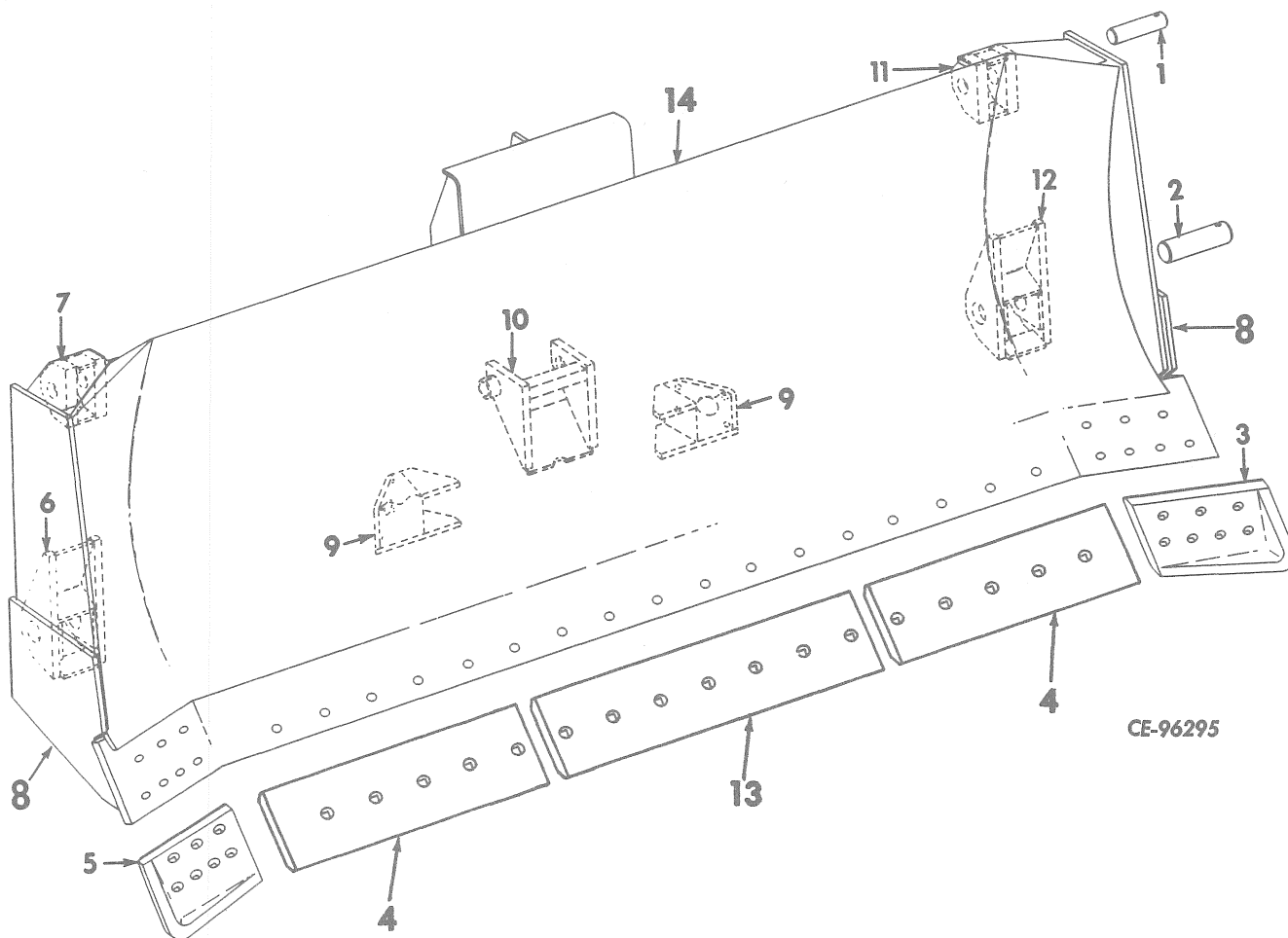
NOTE 3 - Field Application - Order
Through Regular Service
Parts Channels.

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CABLE AND HYDRAULIC
BULLGRADERS AND BULLDOZERS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BULLDOZER BLADE
(Semi "U" Blade)
(Cable)
(For Model 20C D3)

BULLDOZER BLADE - Continued
(Semi "U" Blade)
(Cable)
(For Model 20C D3)



1	315 506 R1	PIN, strut (2)	11	611 655 C91	BRACKET, LH upper strut	
	9 413 956	NUT, stover lock (2)	12	605 988 C91	BRACKET, LH push arm	
	179 894	1/2 x 3-1/4" hex-hd cap SCREW (2)	13	623 984 C1	EDGE, cutting	
2	608 010 C1	PIN, pusharm (2)		326 301 R1	BOLT, 7/8x2-3/4" #3HD plow (7)	
	631 191 R1	BOLT (2)		220 082	NUT, 7/8"	
	9 413 960	NUT, stover lock (2)	14	704 024 C92	BLADE w/EDGE and BITS ASSY (Composed of -	
3	619 567 C1	BIT, LH end		1	BIT	619 567 C1
	602 079 C1	BOLT, No. 3 plow (7)		1	BIT	619 568 C1
	220 082	7/8" NUT (7)		§ 1	BLADE	
4	623 983 C1	EDGE, cutting (2)		1	BRACKET	611 655 C91
	326 301 R1	BOLT, No. 3 plow (10)		1	BRACKET	611 656 C91
	220 082	7/8" NUT (10)		1	BRACKET	605 988 C91
5	619 568 C1	BIT, RH end		1	BRACKET	605 989 C91
	602 079 C1	BOLT, No. 3 plow (7)		1	BRACKET	608 002 C91
	220 082	7/8" NUT (7)		1	EDGE	628 984 C1
6	605 989 C91	BRACKET, RH push arm		2	EDGE	623 983 C1
7	611 656 C91	BRACKET, RH upper strut		2	FITTING	109 461
8	605 969 C1	PLATE, side rub (2)		1	PLATE	605 969 C1
9	605 996 C1	SOCKET, diagonal strut (2)		2	SOCKET	605 996 C1)
10	704 022 C1	BRACKET, cable lift				
			109 461	FITTING, lubrication		

§ - Not Furnished Separately.

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CABLE AND HYDRAULIC
BULLGRADERS AND BULLDOZERS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BULLDOZER BLADE (Semi "U" Blade) (Hydraulic) (For Model 20C D2)			BULLDOZER BLADE - Continued (Semi "U" Blade) (Hydraulic) (For Model 20C D2)		
1	315 506 R1	PIN, strut (2)	13	623 984 C1	EDGE, cutting
9	413 956	NUT, stover lock (2)	326 301 R1	BOLT, 7/8x2-3/4"#3HD plow (7)	
	179 894	1/2 x 3-1/4" hex-hd cap SCREW (2)	220 082	NUT, 7/8" (7)	
2	608 010 C1	PIN, push arm (2)	14	700 687 C92	BLADE w/EDGE and BITS ASSY
631 191 R1	BOLT (2)			(Composed of -	
9	413 960	NUT, stover lock (2)		1 BIT	619 567 C1
3	619 567 C1	BIT, LH end		1 BIT	619 568 C1
602 079 C1	BOLT, No. 3 plow (7)		§	1 BLADE	
220 082	7/8" NUT (7)		2	BRACKET	700 682 C1
4	623 983 C1	EDGE, cutting (2)	1	BRACKET	611 655 C91
326 301 R1	BOLT, No. 3 plow (10)		1	BRACKET	611 656 C91
220 082	7/8" NUT (10)		1	BRACKET	605 988 C91
5	619 568 C1	BIT, RH end	1	BRACKET	605 989 C91
602 079 C1	BOLT, No. 3 plow (7)		1	BRACKET	605 989 C91
220 082	7/8" NUT (7)		2	FITTING	109 461
6	605 989 C91	BRACKET, RH push arm	1	PLATE	605 969 C1
7	611 656 C91	BRACKET, RH upper strut	2	SOCKET	605 996 C1)
8	700 682 C1	BRACKET, hydraulic lift (2)	109 461	FITTING, lubrication	
9	605 996 C1	SOCKET, diagonal strut (2)			
10	605 969 C1	PLATE, side rub (2)			
11	611 655 C91	BRACKET, LH upper strut			
12	605 988 C91	BRACKET, LH push arm			

CE-96276

§ - Not Furnished Separately.

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CABLE AND HYDRAULIC
BULLGRADERS AND BULLDOZERS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BULLGRADER BLADE (Cable and Hydraulic)			BULLGRADER BLADE - Continued (Cable and Hydraulic)		
1	.49 127 H 103 385	PIN, rod end (1/2 x 2-9/16") 1/8 x 1" cotter PIN	11	623 985 C1 326 301 R1 220 082	EDGE, cutting (2) BOLT, plow (7/8 x 2-3/4" long) (20) NUT, 7/8" (thick) (20)
2	600 671 C1	PIN, crosshead clevis	12	626 004 C1 326 301 R1 326 303 R1 220 082	BIT, LH end BOLT, plow (7/8 x 2-3/4" long) (4) BOLT, plow (7/8 x 4-3/4" long) (3) NUT, 7/8" (thick) (7)
3	333 385 R92	BLADE w/EDGE and BITS ASSEMBLY (Composed of - 1 BIT 626 004 C1 1 BIT 626 005 C1 1 BLADE 28 BOLT 326 301 R1 6 BOLT 326 303 R1 8 BRACKET 319 442 R2 1 EDGE 623 985 C1 1 PLATE 315 069 R1 1 PLATE 315 070 R1 4 TUBE 289 822 R1)	14	342 182 R91	ATTACHMENT, cast steel end bit (See NOTES 1 and 3)
4	319 442 R1	BRACKET, stud (8)	15	619 570 C1	BIT, RH end (heavy duty)
5	289 822 R1	TUBE, strut bracket locking (4)	16	619 569 C1 220 082 326 301 R1 326 303 R1	BIT, LH end (heavy duty) 7/8" NUT (14) BOLT, plow (7/8 x 2-3/4" long) (8) BOLT, plow (7/8 x 4-3/4" long) (6)
6	319 453 R1	PIN, strut swivel (4)	315 069 R1		PLATE, LH end bit reinforcing
7	319 452 R1	CLEVIS, strut swivel (4)	315 070 R1		PLATE, RH end bit reinforcing
8	319 454 R1	PIN, strut clevis (4)			
9	413 956 179 894	1/2" stover lock NUT (4) 1/2 x 3-1/4" hex-hd cap SCREW (4)			
10	626 005 C1 326 301 R1 326 303 R1 220 082	BIT, RH end BOLT, plow (7/8 x 2-3/4" long) (4) BOLT, plow (7/8 x 4-3/4" long) (3) NUT, 7/8" (thick) (7)			

CE-96311

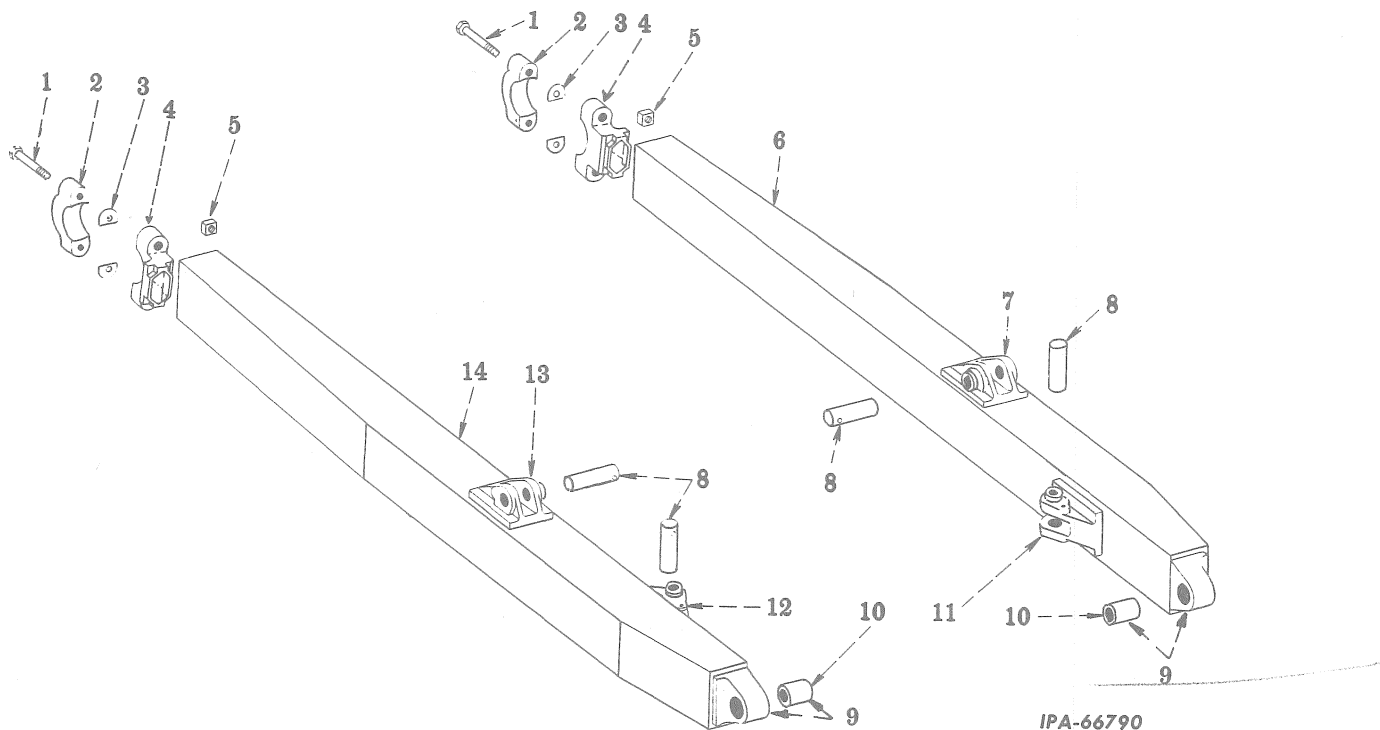
§ - Not Furnished Separately
NOTE 1 - Factory Application - Order
On Machine Order Form.
NOTE 3 - Field Application - Order
Through Regular Service
Parts Channels.

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CABLE AND HYDRAULIC
BULLGRADERS AND BULLDOZERS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BULLDOZER PUSH ARMS
(Not Semi "U" Blade)
(Cable and Hydraulic)

BULLDOZER PUSH ARMS - Continued
(Not Semi "U" Blade)
(Cable and Hydraulic)



IPA-66790

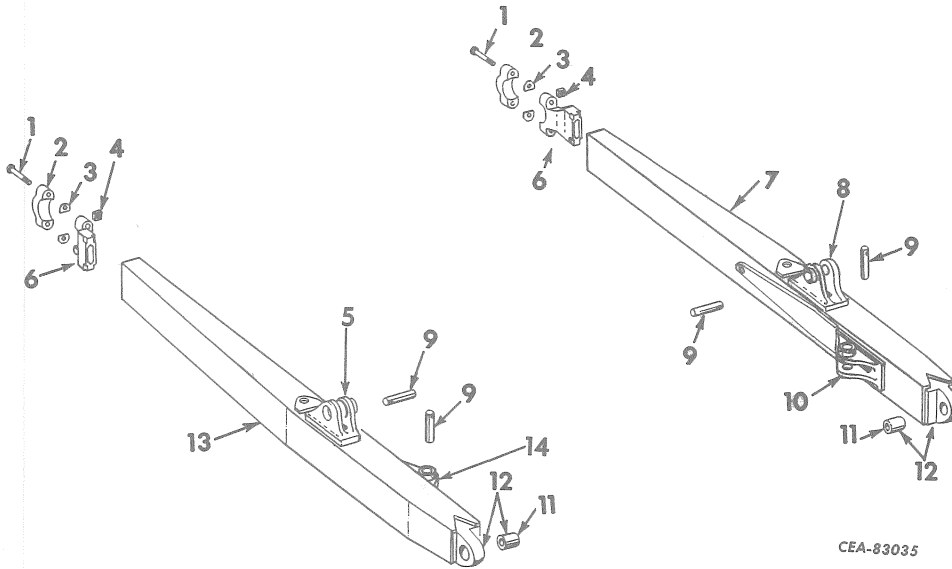
1	20 278 R1	SCREW 1 x 6" hex-hd cap (4)	14	333 350 R91	ARM ASSEMBLY, RH push (Composed of -
2	608 031 C1	CAP, trunnion bearing (2)			1 ARM 333 352 R91
3	290 257 R1	SHIM, trunnion bearing cap (16)			1 CAP 608 031 C1
4	290 270 R2	BEARING, trunnion (2)			2 NUT 290 256 R2
5	290 256 R2	NUT, trunnion bearing cap (4)			2 SCREW 20 278 R1
6	333 349 R91	ARM ASSEMBLY, LH push (Composed of -	14	333 352 R91	ARM ASSEMBLY, RH push (Composed of -
		1 ARM 333 351 R91			1 BEARING 290 270 R2
		1 CAP 608 031 C1			1 BRACKET 333 294 R91
		2 NUT 290 256 R2			1 BRACKET 333 295 R91
		2 SCREW 20 278 R1			1 PIVOT 320 726 R11)
		8 SHIM 290 257 R1)			
6	333 351 R91	ARM ASSEMBLY, LH push (Composed of -			
		1 BEARING 290 270 R2			
		1 BRACKET 333 294 R91			
		1 BRACKET 333 295 R91			
		1 PIVOT 320 726 R11)			
7	333 295 R91	BRACKET, upper strut LH push arm			
8	315 103 R1	PIN, strut, bracket (4)			
9	413 956	1/2" stover lock NUT (4)			
	179 894	1/2 x 3-1/4" hex-hd cap SCREW (4)			
9	320 726 R11	PIVOT w/BUSHING, 290 267 R2 (2)			
10	290 267 R2	BUSHING, push arm pivot (2)			
11	333 294 R91	BRACKET, diagonal strut LH push arm			
12	333 295 R91	BRACKET, diagonal strut RH push arm			
13	333 294 R91	BRACKET, upper strut RH push arm			

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CABLE AND HYDRAULIC
BULLGRADERS AND BULLDOZERS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BULLDOZER PUSH ARMS
(Semi "U" Blade)
(Cable and Hydraulic)

BULLDOZER PUSH ARMS - Continued
(Semi "U" Blade)
(Cable and Hydraulic)

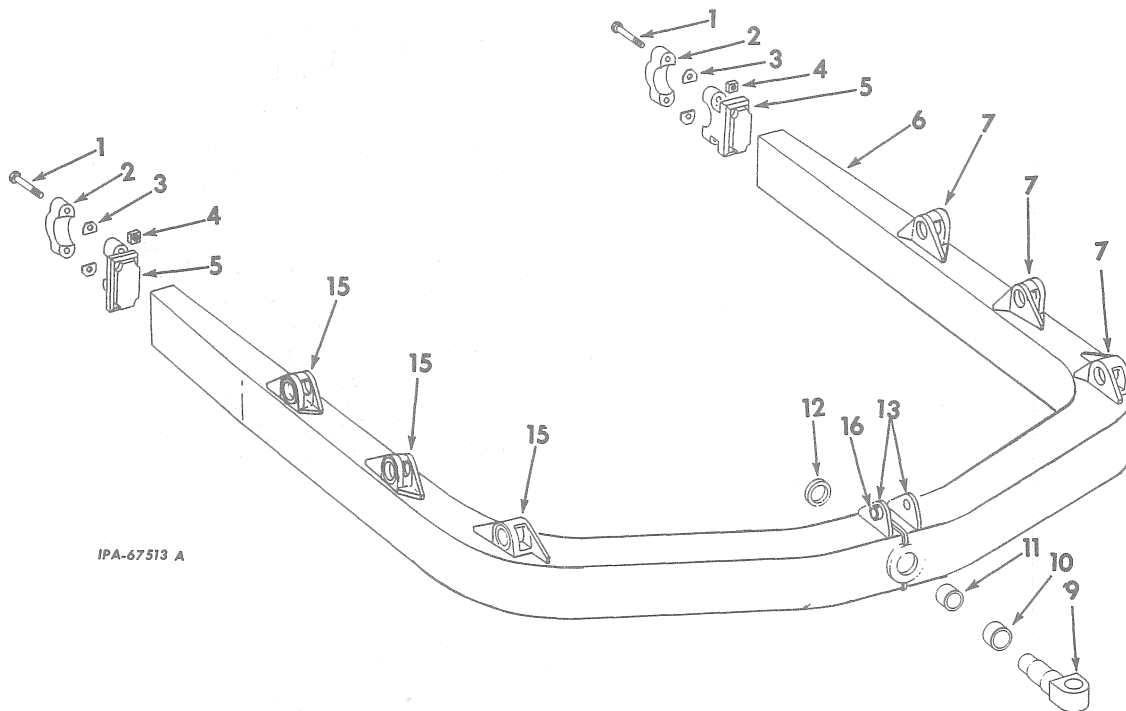


1	20 278 R1	BOLT, trunnion bearing cap (4)	14	608 028 C91	BRACKET, RH push arm diagonal strut
2	608 031 C1	CAP, trunnion bearing (2)			
3	290 257 R1	SHIM, trunnion bearing cap (16)			
4	290 256 R2	NUT, trunnion bearing cap (4)			
5	608 024 C91	BRACKET, RH push arm upper strut			
6	608 030 C1	BEARING, trunnion (2)			
7	608 032 C91	ARM ASSEMBLY, H push (Composed of - § 1 ARM 2 BOLT 20 278 R1 1 BEARING 608 030 C1 1 BRACKET 608 023 C91 1 BRACKET 608 027 C91 1 CAP 608 031 C1 2 NUT 290 256 R2 1 PIVOT 290 879 R31 8 SHIM 290 257 R1)			
8	608 023 C91	BRACKET, LH push arm upper strut			
9	315 506 R1 413 956 179 894	PIN, strut bracket (4) NUT, stover lock (4) 1/2 x 3-1/4" hex-hd cap SCREW (4)			
10	608 027 C91	BRACKET, LH push arm diagonal strut			
11	290 880 R2	BUSHING, pivot (2)			
12	290 879 R31	PIVOT w/BUSHING, 290 880 R2 (2)			
13	608 033 C91	ARM ASSEMBLY, RH push (Composed of - § 1 ARM 1 BEARING 608 030 C1 2 BOLT 20 278 R1 1 BRACKET 608 024 C91 1 BRACKET 608 028 C91 1 CAP 608 031 C1 2 NUT 290 256 R2 1 PIVOT 290 879 R31 8 SHIM 290 257 R1)			

§ - Not Furnished Separately.

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CABLE
BULLGRADERS AND BULLDOZERS

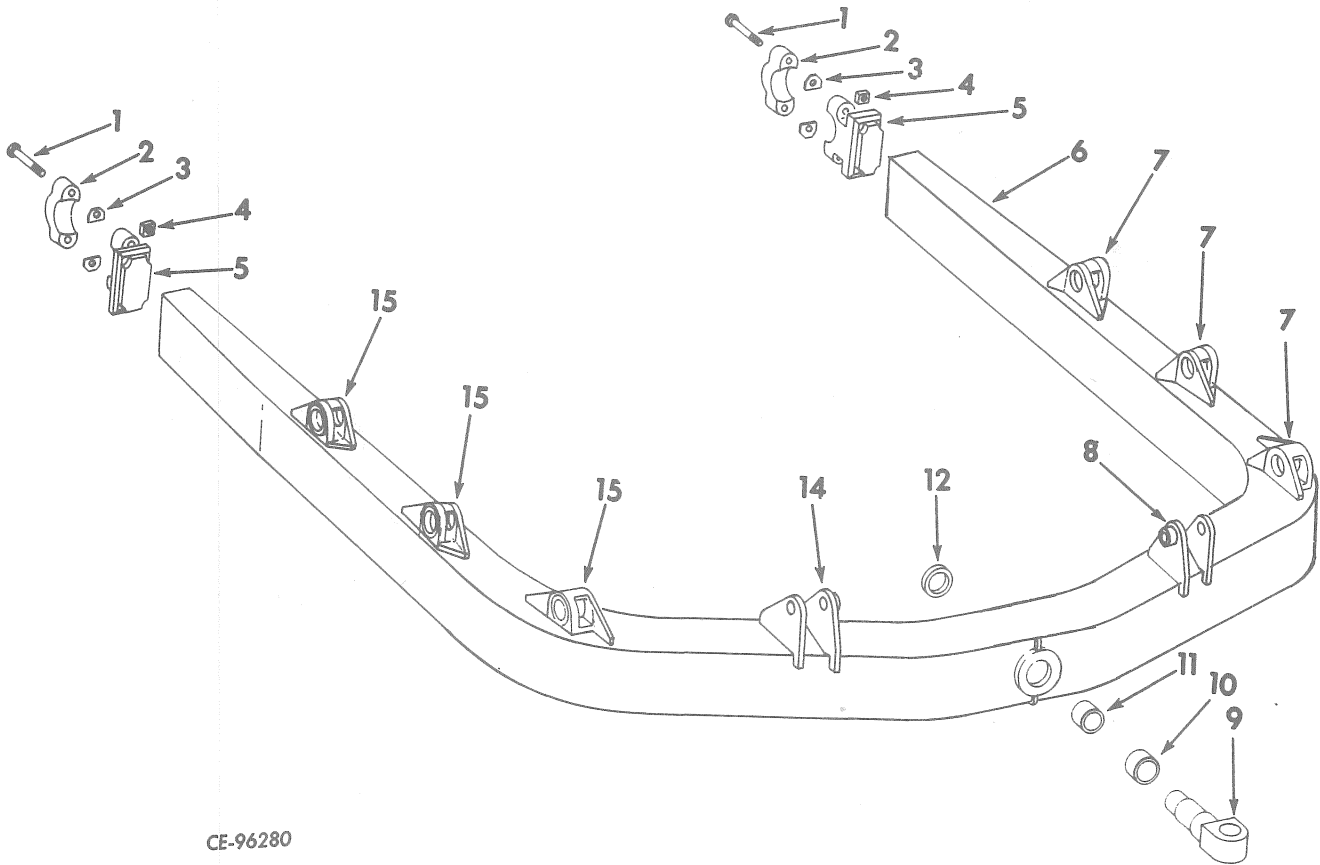
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BULLGRADER "C" FRAME (Cable)			BULLGRADER "C" FRAME - Continued (Cable)		



1	20 278 R1	SCREW 1 x 6" hex-hd cap (4)	13	342 203 R1	PLATE, cable bracket (2)
2	608 031 C1	CAP, trunnion bearing (2)	15	294 001 R1	BRACKET, RH strut (3)
3	290 257 R1	SHIM, trunnion bearing cap (16)	16	289 822 R1	TUBE, locking
4	290 256 R2	NUT, trunnion bearing cap (4)			
5	290 245 R2	BEARING, trunnion (2)			
6	613 026 C91	"C" FRAME with trunnion bearings CAPS ASSEMBLY, cable (Composed of -			
		2 BEARING 290 245 R2			
		1 BUSHING 620 712 C2			
		1 BUSHING 319 471 R1			
		3 BRACKET 294 000 R1			
		3 BRACKET 294 001 R1			
		2 CAP 608 031 C1			
		4 NUT 290 256 R2			
		1 PIN 620 911 C1			
		2 PLATE 342 203 R1			
		1 RETAINER 319 469 R1			
		4 SCREW 20 278 R1			
		16 SHIM 290 257 R1			
		1 TUBE 289 822 R1)			
7	294 000 R1	BRACKET, LH strut (3)			
9	620 911 C1	PIN, crosshead swivel			
10	620 712 C2	BUSHING, crosshead swivel pin (large)			
11	319 471 R1	BUSHING, crosshead swivel pin (small)			
12	319 469 R1	RETAINER, crosshead swivel pin			

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HYDRAULIC
BULLGRADERS AND BULLDOZERS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BULLGRADER "C" FRAME (Hydraulic)			BULLGRADER "C" FRAME - Continued (Hydraulic)		



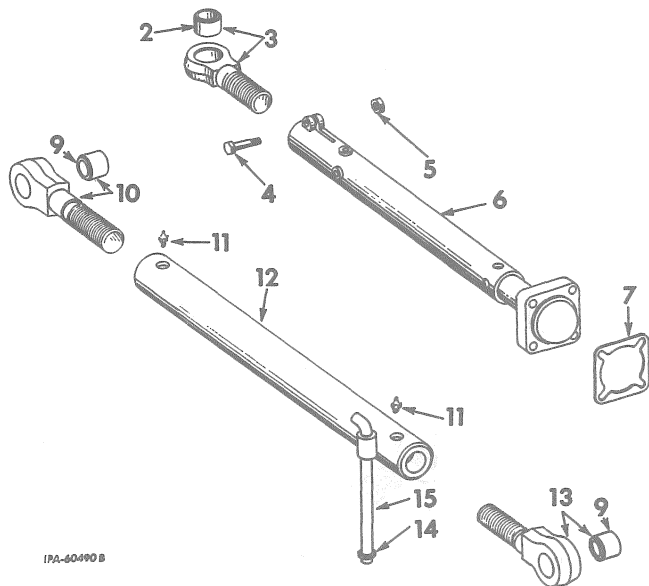
CE-96280

1	20 278 R1	SCREW 1 x 6" hex-hd cap (4)	11	319 471 R1	BUSHING, crosshead swivel pin (small)
2	608 031 C1	CAP, trunnion bearing (2)	12	319 469 R1	RETAINER, crosshead swivel pin
3	290 257 R1	SHIM, trunnion bearing cap (16)	14	701 589 C1	BRACKET, RH lift
4	290 256 R2	NUT, trunnion bearing cap (4)	15	294 001 R1	BRACKET, RH strut (3)
5	290 245 R2	BEARING, trunnion (2)			
6	701 599 C91	"C" FRAME with trunnion bearing CAPS ASSEMBLY, hydraulic (Composed of -			
	2	BEARING 290 245 R2			
	1	BUSHING 620 912 C2			
	1	BUSHING 319 471 R1			
	1	BRACKET 701 588 C1			
	1	BRACKET 701 589 C1			
	3	BRACKET 294 000 R1			
	3	BRACKET 294 001 R1			
	2	CAP 608 031 C1			
	4	NUT 290 256 R2			
	1	PIN 620 911 C1			
	1	RETAINER 319 469 R1			
	4	SCREW 20 278 R1			
	16	SHIM 290 257 R1)			
7	294 000 R1	BRACKET, LH strut (3)			
8	701 588 C1	BRACKET, LH lift			
9	620 911 C1	PIN, crosshead swivel			
10	620 912 C2	BUSHING, crosshead swivel pin (large)			

CABLE AND HYDRAULIC
BULLGRADERS AND BULLDOZERS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BULLDOZER STRUTS
(Cable and Hydraulic)



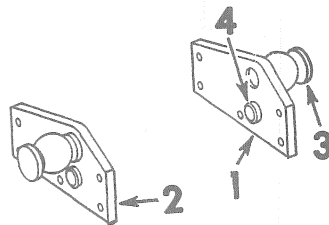
IPA-60490 B

Parts without letters after the description indicate the part is used for all Bulldozer Struts listed below: Letters A, B, C and D are used to identify separate Bulldozer Struts.

BULLDOZER STRUTS - Continued
(Cable and Hydraulic)

11	109 461	FITTING, 1/8" lubrication (4 for Struts A and B)
12	315 186 R11	BODY, upper strut (2 for Strut A)
12	608 038 C11	BODY, upper strut (2 for Strut B)
13	315 180 R11	EYEBOLT w/BUSHING, 290 290 R2, upper strut front (2 for Strut A)
13	608 040 C11	EYEBOLT w/BUSHING, 290 290 R2, upper strut front (2 for Strut B)
14		COLLAR, locking pin (2 for Struts A and B) (1" x 4" long obtain locally)
15	315 177 R1	PIN, strut locking (2 for Struts A and B)

TRUNNIONS
(Cable and Hydraulic)



CE-96292

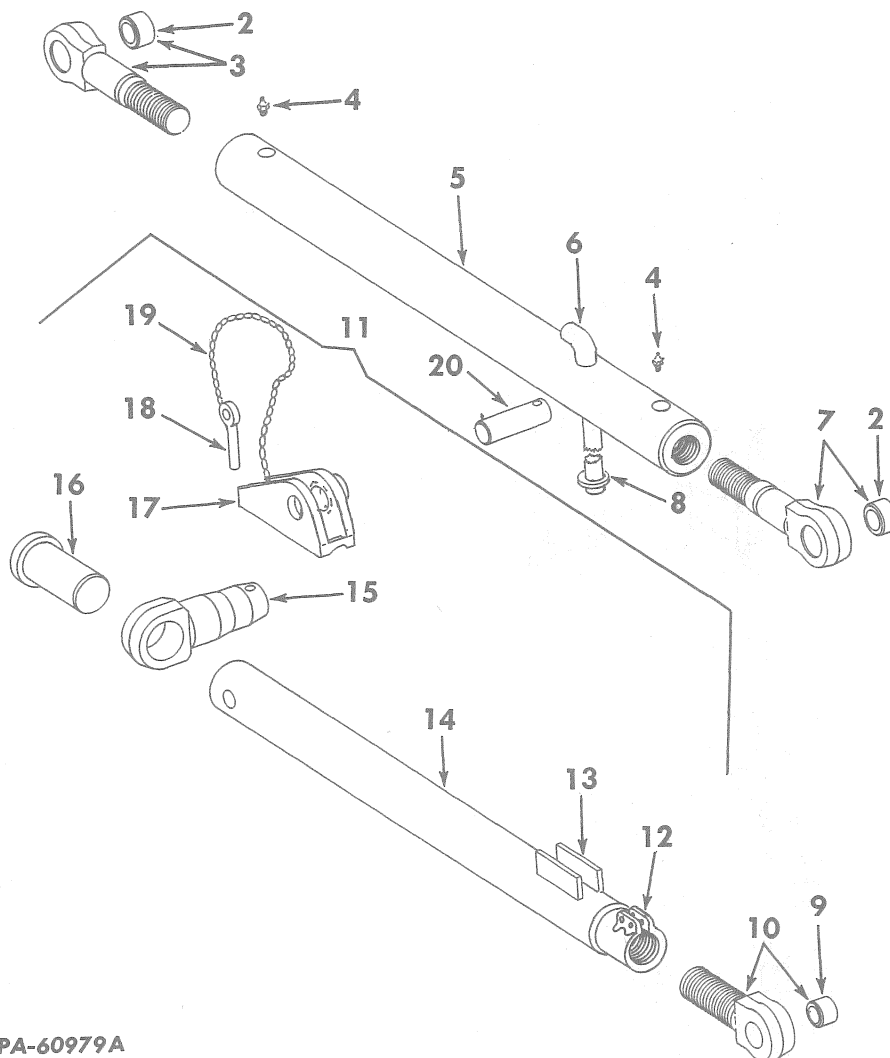
A		STRUT, bulldozer blade upper (not used on units equipped with Semi "U" Blade)
B		STRUT, bulldozer blade upper (used on units equipped with Semi "U" Blade)
C		STRUT, bulldozer blade diagonal (not used on units equipped with Semi "U" Blade)
D		STRUT, bulldozer blade diagonal (used on units equipped with Semi "U" Blade)
2	290 290 R2	BUSHING, diagonal strut eyebolt (2 for Struts C and D)
3	293 001 R11	EYEBOLT w/BUSHING, 290 290 R2, diagonal strut (2 for Struts C and D)
4	223 441	SCREW, 5/8 x 3-1/4" hex-hd cap (2 for Struts C and D)
5	9 412 231	NUT, 5/8" (2 for Struts C and D)
6	613 200 C11	STRUT, diagonal (2 for Strut C)
6	701 728 C1	STRUT, diagonal (2 for Strut D)
7	320 764 R1	SHIM, diagonal strut (8 for Struts C and D)
	223 453	3/4 x 2-3/4" hex-hd cap SCREW (8)
9	290 290 R2	BUSHING, upper strut eyebolt (4 for Struts A and B)
10	309 907 R11	EYEBOLT w/BUSHING, 290 290 R2, upper strut rear (2 for Strut A)
10	608 039 C11	EYEBOLT w/BUSHING, 290 290 R2, upper strut rear (2 for Strut B)
1	320 786 R91	TRUNNION, 294 552 R1 w/PILOT, 294 555 R1 (LH for Bulldozer) (RH for Bullgrader)
	271 660	7/8 x 3" hex-hd cap SCREW (6)
2	320 787 R91	TRUNNION, 294 552 R1, w/PILOT, 294 555 R1 (RH for Bulldozer) (LH for Bullgrader)
	271 660	7/8 x 3" hex-hd cap SCREW (6)
3	294 552 R1	TRUNNION (2)
4	294 555 R1	PILOT, trunnion (2)

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CABLE AND HYDRAULIC
BULLGRADERS AND BULLDOZERS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BULLGRADER STRUTS
(Cable and Hydraulic)

BULLGRADER STRUTS - Continued
(Cable and Hydraulic)



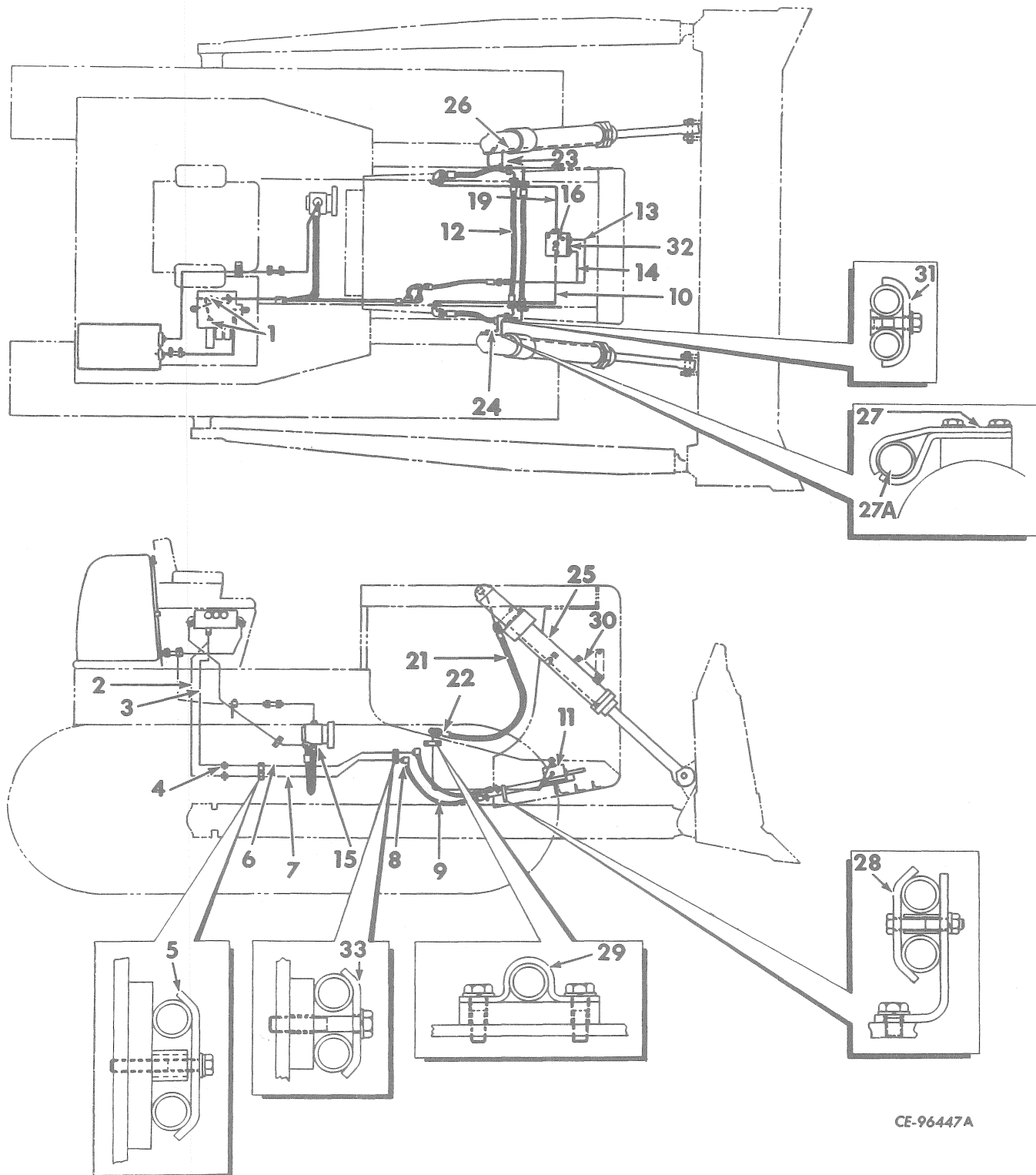
IPA-60979A

2	290 290 R2	BUSHING, strut eyebolt (4)	11	315 480 R92	STRUT ASSEMBLY, lower RH
3	309 907 R11	EYEBOLT w/BUSHING, 290 290 R2, upper strut rear (2)	12	290 283 R2	NUT, lower strut (2)
4	109 461	FITTING, 1/8" lubrication (4)	13	323 642 R11	RETAINER, strut lock
5	315 188 R2	BODY, upper strut (2)	14	290 281 R1	BODY, lower strut (2)
6	323 647 R1	PIN, strut locking (2)	15	290 284 R1	TRUNNION (2)
7	315 180 R11	EYEBOLT w/BUSHING, 290 290 R2, upper strut front (2)	16	290 285 R1	PIN, trunnion swivel (2)
8		TUBE, strut locking pin (1 x 4" long obtain locally) (2)	17	315 445 R91	BRACKET, lower strut LH
8	314 179 R1	TUBE, strut locking pin (2)	17	315 446 R91	BRACKET, lower strut RH
9	290 290 R2	BUSHING, lower strut eyebolt (2)	18	19 643 R1	PIN, trunnion (2)
10	293 001 R11	EYEBOLT w/BUSHING, 290 290 R2, lower strut (2)	19	290 287 R2	CHAIN, trunnion pin (2)
	102 639	5/8" NUT (4)	20	315 103 R1	PIN, upper strut rear (2)
	271 564	5/8 x 2-1/2" hex-hd cap SCREW (4)	9	413 956	1/2" stover lock NUT (2)
				179 893	1/2 x 3" hex-hd cap SCREW (2)
11	315 479 R92	STRUT ASSEMBLY, lower LH			

MEMORANDA

HYDRAULIC HOSES, QUICK DROP VALVE AND
RELATED PARTS

HYDRAULIC HOSES, QUICK DROP VALVE AND
RELATED PARTS - Continued



CE-96447A

-201-
CABLE AND HYDRAULIC
BULLGRADERS AND BULLDOZERS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC HOSES, QUICK DROP VALVE AND RELATED PARTS - Continued			HYDRAULIC HOSES, QUICK DROP VALVE AND RELATED PARTS - Continued		
1	9 410 207	CONNECTOR, straight thread (2)	19	645 152 C1	TUBE, Rod L.H. Side
	296 247 R1	"O" RING, 1.171 x 1.403 x .116" (2)		343 921 R1	"O" RING, 1-7/8 x 2-1/8 x 1/8"
2	701 842 C1	TUBE, lift (at valve - inboard)		179 885	1/2 x 1-1/2" hex-hd cap SCREW (4)
3	701 843 C1	TUBE, lift (at valve - outboard)		103 323	1/2" lock WASHER (4)
4	295 698 R1	CLAMP-HALF, split flange (4)	21	627 302 C91	HOSE w/two FITTING, 310 920 R91, cylinder to quick drop valve head and rod tube (HOSE, 1" ID x 47" long including FITTINGS) (4)
	343 906 R1	"O" RING, 1-5/16 x 1-9/16 x 1/8"	21		HOSE w/o FITTINGS, cut length 43" long, cut from bulk HOSE No.
	179 841	3/8 x 1-1/4" hex-hd cap SCREW (8)		313 245 R1	FITTING, split flange straight hose (Aeroquip No. 4744-16S)
	103 321	3/8" lock WASHER (8)			
5	605 605 C2	CLAMP, tube (upper and lower lift tube at frame) (2)	22	295 698 R1	CLAMP-HALF, split flange (16)
	605 604 C2	PLATE, spacer (2)		343 906 R1	"O" RING, 1-5/16 x 1-9/16 x 1/8" (8)
		SPACER, 3/8 x 1-9/64" long obtain locally		179 841	3/8 x 1-1/4" hex-hd cap SCREW (32)
	179 851	3/8 x 3" hex-hd cap SCREW (2)		103 321	3/8" lock WASHER (32)
	103 321	3/8" lock WASHER (2)	23	645 148 C1	TUBE, LH upper (mounted on cylinder)
6	645 156 C1	TUBE, upper lift (at frame)		343 906 R1	"O" RING, 1-5/16 x 1-9/16 x 1/8"
7	645 157 C1	TUBE, lower lift (at frame)		179 841	3/8 x 1-1/4" hex-hd cap SCREW (4)
				103 321	3/8" lock WASHER (4)
8	295 698 R1	CLAMP-HALF, split flange (8)	24	645 149 C1	TUBE, RH upper (mounted on cylinder)
	343 906 R1	"O" RING, 1-5/16 x 1-9/16 - 1/8" (4)		343 906 R1	"O" RING, 1-5/16 x 1-9/16 x 1/8"
	179 841	3/8 x 1-1/4" hex-hd cap SCREW (16)		179 841	3/8 x 1-1/4" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (16)		103 321	3/8" lock WASHER (4)
9	606 521 C91	HOSE w/FITTING, 310 920 R91 and FITTING, 313 096 R91, upper and lower lift tube (HOSE, 1" ID x 24" long including FITTINGS) (2)	25		CYLINDER, hydraulic (for components see list of parts under details of "Hydraulic Cylinder")
		HOSE w/o FITTINGS, cut length 19" long, cut from bulk HOSE No.	26	645 150 C1	TUBE, LH Rod End
		313 245 R1		605 628 C1	CLAMP, tube inner
	310 920 R91	FITTING, split flange straight hose (at valve) (Aeroquip No. 4744-16S)		605 629 C1	CLAMP, tube outer
	313 096 R91	FITTING, split flange 90° hose (at tube) (Aeroquip No. 4790-16S) (2)		343 905 R1	"O" RING, 1-1/8 x 1-3/8 x 1/8"
				179 839	3/8 x 1" hex-hd cap SCREW (2)
10	645 153 C1	TUBE, RH head		103 321	3/8" lock WASHER (2)
	296 247 R1	"O" RING, 1.171 x 1.403 x .116		186 282	3/8 x 3-1/4" hex-hd cap SCREW (2)
11		VALVE ASSY, quick drop (for components see list of parts under details of Quick Drop Valve)	27	605 629 C1	CLAMP, tube outer
	9 413 954	NUT, stover lock (3)		605 628 C1	CLAMP, tube inner
	190 909	7/16 x 5" hex-hd cap SCREW (3)		343 905 R1	"O" RING, 1-1/8 x 1-3/8 x 1/8"
	294 799 R1	WASHER, thrust (on hydraulic valve) (2)		179 839	SCREW, 3/8 x 1" hex-hd cap (2)
				186 282	SCREW, 3/8 x 3-1/4" hex-hd cap (2)
				103 321	WASHER, 3/8" lock (3)
12	645 473 C1	HOSE w/two FITTINGS (HOSE 3/4" ID x 29" Long including FITTINGS) (2)	27A	645 151 C1	TUBE, RH rod end
	295 698 R1	CLAMP HALF (8)	28	645 160 C1	ANGLE, tube clamp
	179 841	3/8 x 1-1/4 hex-hd CAPSCREW (16)		605 609 C1	CLAMP, tube
	103 321	3/8" lock WASHER (16)		266 964 R1	SPACER
				179 848	3/8 x 2-1/4" hex-hd cap SCREW
				179 880	1/2 x 7/8" hex-hd cap SCREW
				102 635	3/8" NUT
				103 321	3/8" lock WASHER
				103 323	1/2" lock WASHER
13	645 396 C1	TUBE, Head End (L.H. Side)	29	645 162 C1	PLATE, spacer (2)
	343 909 R1	"O" RING, 1-1/2 x 1-3/4 x 1/8"		266 964 R1	SPACER (2)
	179 862	7/16 x 1-1/2" hex-hd CAPSCREW (4)		645 161 C1	CLAMP, tube (2)
	103 322	7/16" lock WASHER (4)		179 851	3/8 x 3" hex-hd cap SCREW (2)
				103 321	3/8" lock WASHER (2)
14	645 395 C1	TUBE, Rod End (R.H. Side)	30	616 694 C1	PLATE, Cylinder Hanger (2)
	343 909 R1	"O" RING, 1-1/2 x 1-3/4 x 1/8"		272 554	3/4" x 5-1/2 hex-hd cap SCREW (2)
	179 862	7/16 x 1-1/2" hex-hd CAPSCREW (4)		9 413 962	3/4" Stover lock NUT (2)
	103 322	7/16" lock WASHER (4)	31	645 159 C1	WEDGE, tapped (2)
				645 158 C1	CLAMP, tube (2)
15	290 045 R1	CLAMP-HALF, split flange (4)		179 843	3/8 x 1-1/2" hex-hd cap SCREW (2)
	343 909 R1	"O" RING, 1-1/2 x 1-3/4 x 1/8" (2)		103 321	3/8" lock WASHER (2)
	179 862	7/16 x 1-1/2" hex-hd cap SCREW (8)			
	103 322	7/16" lock WASHER (8)			
16	9 410 981	ELBOW, 90°			

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CABLE AND HYDRAULIC
BULLGRADERS AND BULLDOZERS

REF. NO.	PART NUMBER	DESCRIPTION
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HYDRAULIC HOSES, QUICK DROP VALVE AND RELATED PARTS - Continued

32	608 343 C92	BRACKET, valve mounting
	179 884	1/2 x 1-3/8" hex-hd cap SCREW (2)
	103 323	1/2" lock WASHER (2)
	102 637	1/2" NUT (2)
	106 264	1/2 x 1-1/4" x 14 ga WASHER (2)
9	410 363	PLUG
	296 247 R1	"O" RING, 1.171 x 1.403 x .116"
	605 627 C2	CLAMP, tube (top of cylinder) (4)
	102 635	3/8" NUT (2)
	179 847	3/8 x 2" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
	313 244 R1	HOSE, 3/4" ID BULK (X)
33	333 506 R1	CLAMP, tube
	645 163 C1	SPACER
	179 893	1/2 x 3" hex-hd cap SCREW
	103 323	1/2" lock WASHER

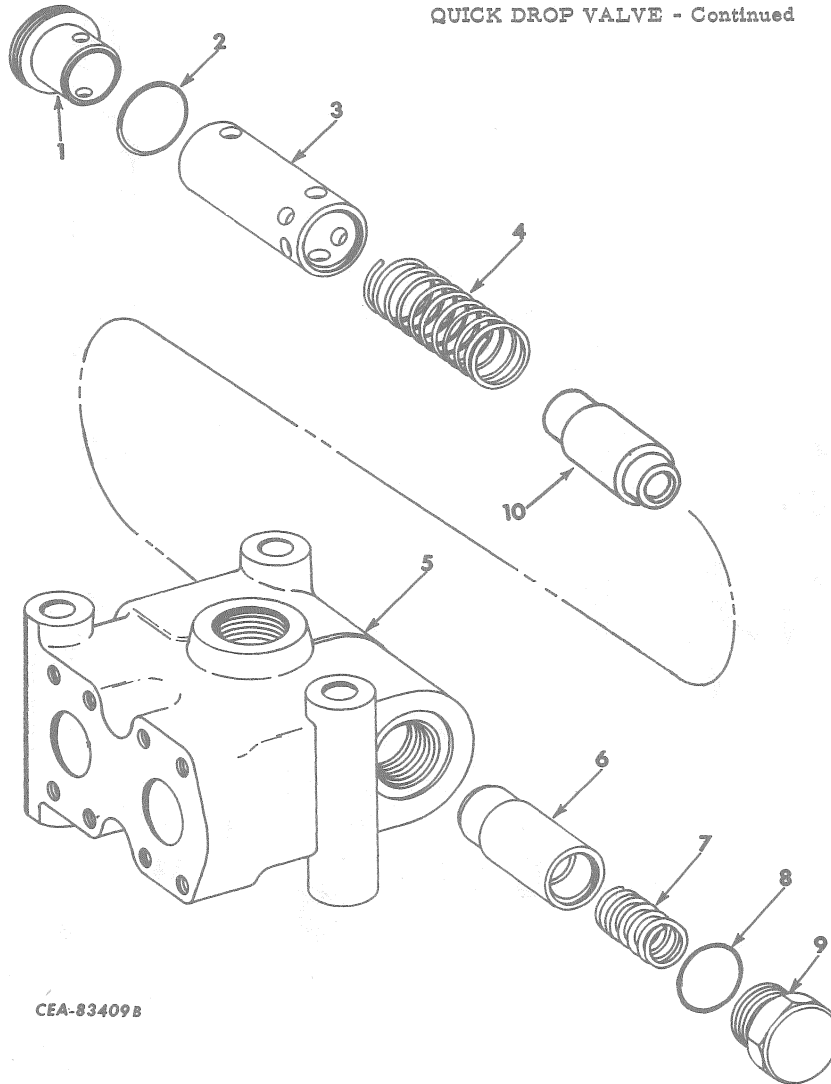
(X) - Order Cut Length As Required.

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CABLE AND HYDRAULIC
BULLGRADERS AND BULLDOZERS

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

QUICK DROP VALVE - Continued



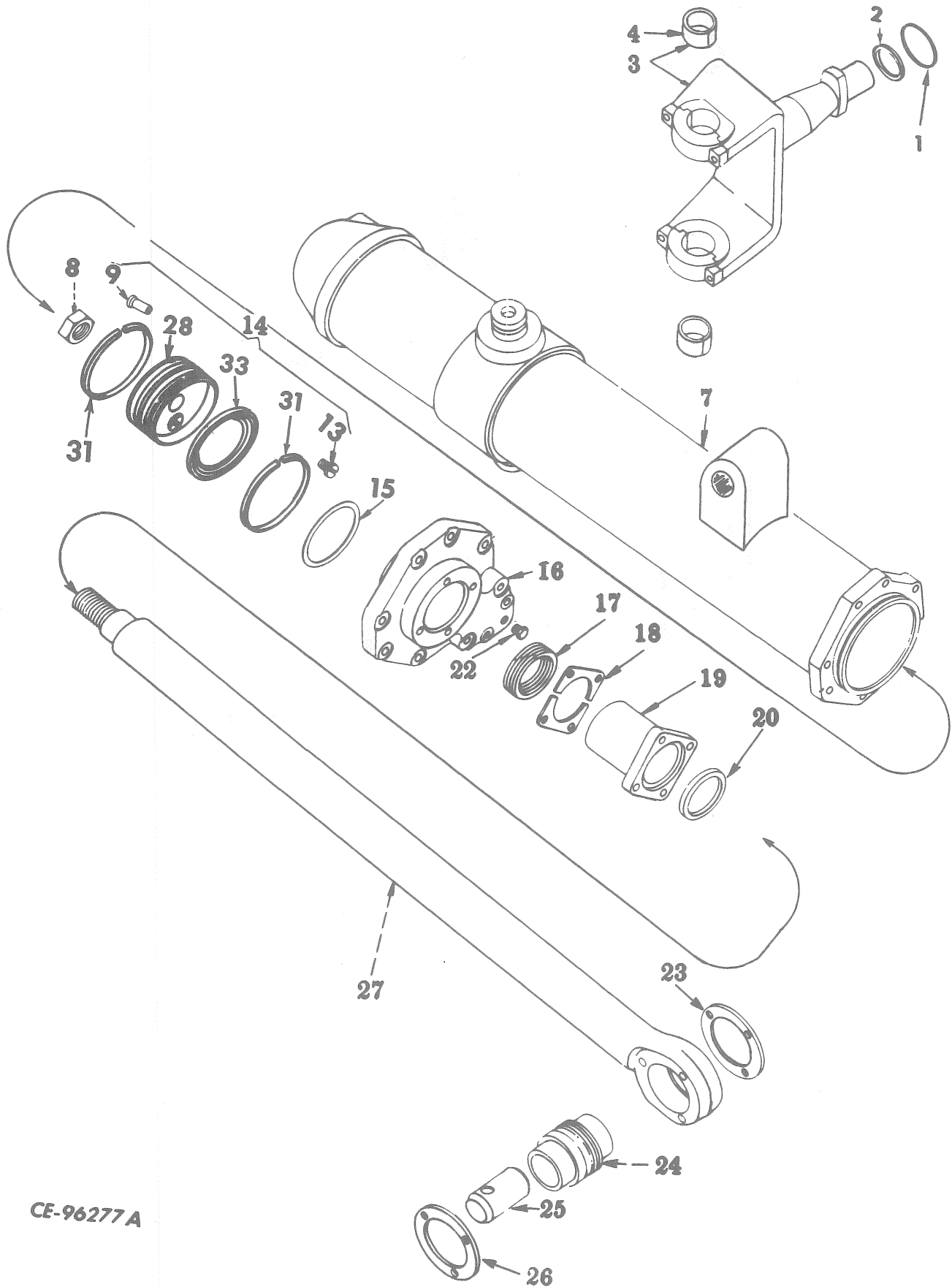
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	656 169 C91	VALVE ASSY, quick drop		6	616 514 C1	POPPET
	9 413 954	NUT, 7/16" stover lock (3)		7	300 761 R1	SPRING, check valve
	190 909	7/16 x 5" hex-hd cap SCREW (3) (Consists of the following parts -		8	296 247 R1	"O" RING, 1.171 x 1.403 x .116"
1	605 261 C1	SLEEVE		9	324 605 R1	PLUG
2	328 249 R1	"O" RING, 1-5/8 x 1-3/4 x 1/16"		10	656 167 C1	STOP, spool
3		SPOOL (Not Furnished Separately)			296 247 R1	"O" RING, 1.171 x 1.403 x .116" (Not part of valve assembly)
4	656 266 C1	SPRING, spool			9 410 363	PLUG, 1" straight thread (Not part of valve assembly)
5		BODY (Not Furnished Separately)				

CABLE AND HYDRAULIC
BULLGRADERS AND BULLDOZERS

HYDRAULIC CYLINDERS

HYDRAULIC CYLINDERS - Continued



CE-96277 A

CABLE AND HYDRAULIC
BULLGRADERS AND BULLDOZERS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC CYLINDERS - Continued			HYDRAULIC CYLINDERS - Continued		
1	176 916 H1	RING, cord (2)	31	295 903 R1	RING, piston rod wear (2)
2	294 799 R1	WASHER, thrust (2)	9 413 953		NUT, 3/8" stover lock (2)
3	623 401 C91	YOKE and CAP ASSEMBLY, hoist cylinder (2) (Composed of - 2 BUSHING 294 684 R1 § 2 CAP 2 PIN 19 407 R1 § 1 YOKE	179 847		3/8 x 2" hex-hd cap SCREW (2)
	271 562	5/8 x 2" hex-hd cap SCREW (8)	103 321		3/8" lock WASHER (2)
	103 325	5/8" lock WASHER (8)	103 341		13/32 x 13/16 x 16 ga WASHER (2)
4	294 684 R1	BUSHING, hoist yoke and cap (4)	33	625 269 C1	RING, seal
	19 407 C1	PIN, Bushing Retainer (4)	701 650 C91		CYLINDER ASSEMBLY, hydraulic (2) (Composed of -
7	701 625 C1	HOUSING, hydraulic cylinder (2)		1 CAP	333 275 R2
8	18 489 R1	NUT, stop (2)		2 FITTING	109 461
9		STEM, relief valve (order 296 590 R91) (4)		1 GLAND	333 276 R1
13		END, relief valve (order 296 590 R91) (4)		1 HOUSING	701 625 C1
14	623 823 C91	PISTON ASSY, hydraulic (2) (Composed of - § 1 END § 1 PISTON 1 RING 295 903 R1 § 2 STEM 1 RING 625 269 C1 1 VALVE 296 590 R91)		1 NUT	18 489 R1
				1 "O" RING	343 905 R1
				1 "O" RING	343 906 R1
				1 "O" RING	343 926 R1
				1 PACKING	329 299 R91
				1 PAMPHLET, installation 1	019 260 R1
				1 PISTON	623 823 C91
				1 PLATE	294 516 R1
				1 PLUG	444 824
				1 ROD	333 356 R11
				1 SEAL	619 072 C91
				X SHIM	294 515 R1)
15	343 926 R1	"O" RING, 4-7/8 x 5-1/8 x 1/8" (2)	333 279 R1		PLATE, clamp mounting (4)
16	333 275 R2	CAP, hydraulic cylinder (2)	179 845		3/8 x 1-3/4" hex-hd cap SCREW (8)
	179 867	7/16 x 2-1/4" hex-hd cap SCREW (12)	103 321		3/8" lock WASHER (8)
	179 871	7/16 x 3-1/4" hex-hd cap SCREW (4)	296 590 R91		VALVE w/END and STEM, relief (X)
17	329 299 R91	PACKING, piston rod (2)	294 799 R1		WASHER, thrust
18	294 515 R1	SHIM, packing gland (X)	109 461		FITTING, Cylinder Lab
19	333 276 R1	GLAND, hydraulic cylinder packing (2)	343 905 R1		"O" RING (Part of cylinder assy 701 650 C91)
20	619 072 C91	SEAL, wiper (2)	343 906 R1		"O" RING (Part of cylinder assy 701 650 C91)
22	444 824	PLUG, 3/8" hex-hd drain (4)			
23	320 742 R1	PLATE, inner locking (2)			
	179 891	1/2 x 2-1/2" hex-hd cap SCREW (6)			
24	321 246 R91	BEARING, piston rod (optional with 321 247 R91) (2)			
24	321 247 R91	BEARING, piston rod (optional with 321 246 R91) (2)			
25	320 788 R1	PIN, hydraulic cylinder mounting (2)			
	9 413 956	NUT, 1/2" stover lock (2)			
	179 893	1/2 x 3" hex-hd cap SCREW (2)			
26	320 741 R1	PLATE, outer locking (2)			
27	333 356 R11	ROD ASSEMBLY, piston (2) (Composed of - 1 BEARING 321 246 R91 1 PLATE 320 741 R1 1 PLATE 320 742 R1 § 1 ROD)			
28		PISTON (Not Furnished Separately)			

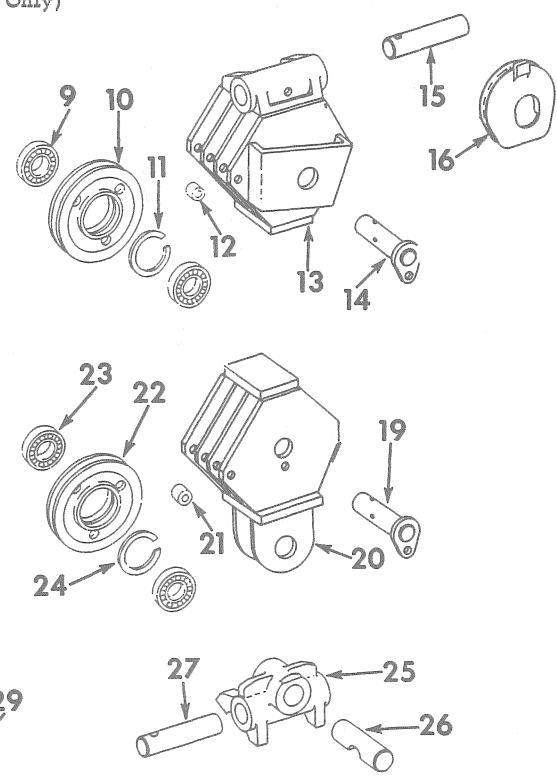
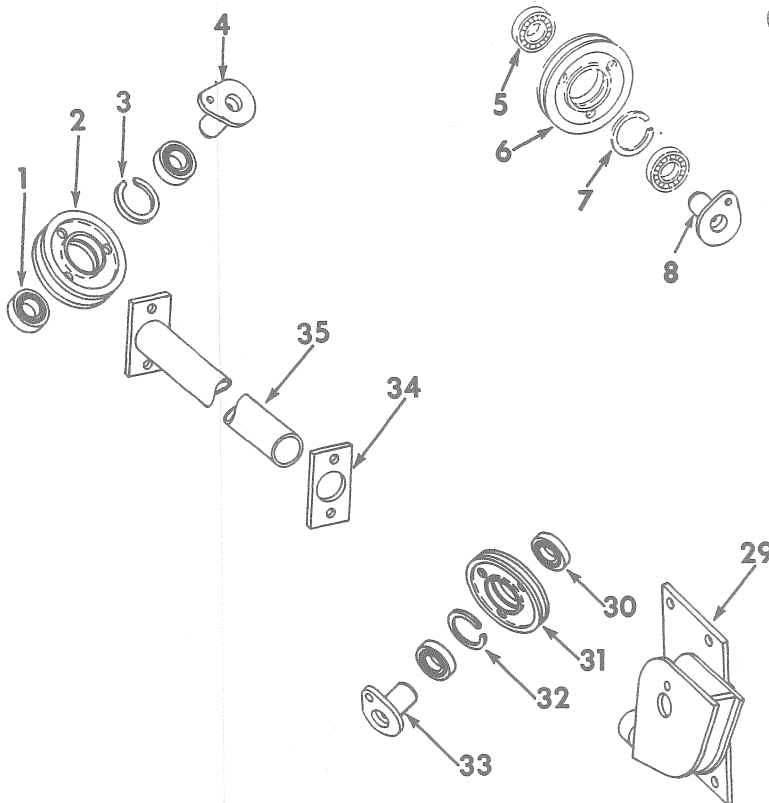
X - As Required.
§ - Not Furnished Separately.

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CABLE AND HYDRAULIC
BULLGRADERS AND BULLDOZERS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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**SHEAVE BLOCKS AND SHEAVES
(Cable Only)**

**SHEAVE BLOCKS AND SHEAVES - Continued
(Cable Only)**



IPA-66797A

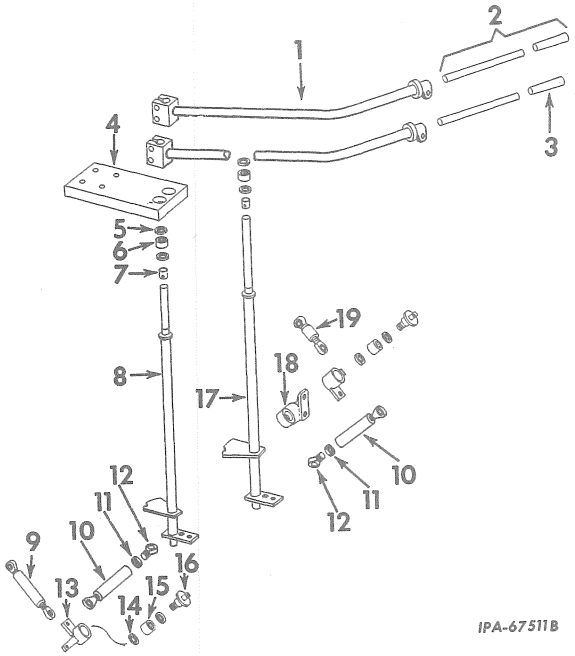
1	ST 596	BEARING, cable control unit adapter sheave (2)	13	333 229 R91	BLOCK, upper sheave
2	294 866 R1	SHEAVE, cable control unit adapter	14	309 715 R11 271 553	SHAFT, upper sheave block sheave 5/8 x 7/8" hex-hd cap SCREW
3	290 358 R1	RING, cable control unit adapter sheave bearing retainer	15	315 504 R1 9 413 956 179 894	PIN, upper sheave block mounting NUT, 1/2" stover lock 1/2 x 3-1/4" hex-hd cap SCREW
4	289 273 R11 271 554	SHAFT, cable control unit adapter sheave 5/8 x 1" hex-hd cap SCREW	16	309 888 R1	LOCK, cable
5	ST 596	BEARING, upper corner sheave (2)	19	309 715 R11 271 553	SHAFT, lower sheave block sheave 5/8 x 7/8" hex-hd cap SCREW
6	294 611 R1	SHEAVE, upper corner	20	333 232 R91	BLOCK, lower sheave
7	290 358 R1	RING, upper corner sheave bearing retainer	21		SPACER, lower sheave block check plate 1/2 x 1-9/16" long obtain locally (3)
8	289 273 R11 271 553	SHAFT, corner sheave 5/8 x 7/8" hex-hd cap SCREW		12 576 R1 102 637	BOLT, 1/2 x 6-3/4" 1/2" NUT
9	ST 596	BEARING, upper sheave block sheave (6)	22	294 611 R1	SHEAVE, lower sheave block (3)
10	294 611 R1	SHEAVE, upper sheave block (3)	23	ST 596	BEARING, lower sheave block sheave (6)
11	290 358 R1	RING, upper sheave block bearing retainer (3)	24	290 358 R1	RING, lower sheave block bearing retainer (3)
12		SPACER, upper sheave block cheek plate 1/2 x 1-9/16" long obtain locally (3) BOLT, 1/2 x 6-3/4" 1/2" NUT	25	320 896 R1	UNIVERSAL, lower sheave block
	12 576 R1 102 637		26	309 883 R1	PIN, universal lower sheave block

CABLE AND HYDRAULIC
BULLGRADERS AND BULLDOZERS

REF. NO.	PART NUMBER	DESCRIPTION
SHEAVE BLOCKS AND SHEAVES - Continued (Cable Only)		
27	315 504 R1	PIN, lower sheave block mounting
9	413 956	NUT, 1/2" stover lock
	179 894	1/2 x 3-1/4" hex-hd cap SCREW
29	333 237 R91	BLOCK, lower corner sheave
	271 609	3/4 x 1-3/4" hex-hd cap SCREW (4)
30	ST 596	BEARING, side sheave (2)
31	294 611 R1	SHEAVE, lower corner
32	290 358 R1	RING, lower corner sheave bearing retainer
33	289 273 R11	SHAFT, side sheave
	271 553	5/8 x 7/8" hex-hd cap SCREW
34	333 243 R1	PLATE, tube mounting
	102 637	1/2" NUT (2)
	179 887	1/2 x 1-3/4" hex-hd cap SCREW (2)
	103 323	1/2" lock WASHER (2)
35	333 431 R11	TUBE, cable guide (used to guide cable from radiator guard to rear mounted cable control unit) (Unit B)
	102 637	1/2" NUT (2)
	179 887	1/2 x 1-3/4" hex-hd cap SCREW (2)
	103 323	1/2" lock WASHER (2)
	109 461	FITTING, lubrication, 1/8" (used with sheave block shafts) (6)
	109 461	FITTING, 1/8" lubrication (used with upper sheave block)
	109 461	FITTING, 1/8" lubrication (used with corner sheave) (2)
	109 461	FITTING, 1/8" lubrication (used with lower corner sheave)
	109 461	FITTING, 1/8" lubrication (used with cable control unit adapter sheave) (Unit B)
		ROPE, 1/2" x 80' steel
9	413 956	NUT, 1/2" stover lock
	179 893	1/2 x 3" hex-hd cap SCREW
	103 323	1/2" lock WASHER

MODEL 20-260 HI MOUNT AND LO MOUNT
DOUBLE DRUM REAR CABLE CONTROL UNITS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CABLE OPERATING CONTROLS (Rear Mounted)			CABLE OPERATING CONTROLS - Continued (Rear Mounted)		
			9	308 820 R91	LINK, control long
				103 028	1/2NF NUT (2)
				181 433	1/2NF x 1-3/4" hex-hd cap SCREW
				181 431	1/2NF x 1-1/2" hex-hd cap SCREW
			10	308 823 R11	SLEEVE, control adjustable (2 for Controls A)
			10	605 773 C11	SLEEVE, control adjustable (2 for Controls B)
			11	102 637	NUT, 1/2" - 20
			12	283 442 R91	BEARING, rod end (2)
			13	308 815 R91	BELLCRANK, control link (2 for Controls A)
			13	605 771 C11	BELLCRANK, control link (2 for Controls B)
			14	287 058 R91	OIL SEAL, control link bellcrank bearing (4)
			15	914 455 R91	BEARING, control link bellcrank (2)
			16	308 818 R11	BOLT, control link bellcrank (2)
				218 443	3/4" jam NUT (2)
			17	333 424 R11	POST w/two RACE, 308 813 R1, LH tower tiller (Controls A)
			17	605 767 C91	POST w/two RACE, 308 813 R1, LH tower tiller (Controls B)
			18	308 814 R1	BRACKET, left hand bellcrank
				102 637	1/2" NUT (2)
				179 889	1/2 x 2" hex-hd cap SCREW (2)
			19	308 819 R91	LINK, control, short
				103 028	1/2NF NUT (2)
				181 433	1/2NF x 1-3/4" hex-hd cap SCREW
				181 431	1/2NF x 1-1/2" hex-hd cap SCREW
				109 460	FITTING, lubrication (6)
				102 467 H	FITTING, lubrication (Lincoln 5042) (optional with 110 146 R91) (4)
				110 146 R91	FITTING, lubrication (Alemite) (optional with 102 467 H) (4)
				117 175	FITTING, lubrication (4)
A		CONTROLS, hi-mount cable control unit operating			
B		CONTROLS, lo-mount cable control units operating			
1	342 491 R11	LEVER, tower tiller (2 for Controls A)			
	102 639	5/8" NUT (4)			
	271 564	5/8 x 2-1/2" hex-hd cap SCREW (4)			
1	602 070 C11	LEVER, tower tiller (2 for Controls B)			
	102 639	5/8" NUT (4)			
	271 564	5/8 x 2-1/2" hex-hd cap SCREW (4)			
2	293 808 R91	HANDLE w/GRIP, 619 405 C1, tower tiller lever (2)			
	179 883	1/2 x 1-1/4" hex-hd cap SCREW (2)			
	103 323	1/2" heavy lock WASHER (2)			
3	619 405 C1	GRIP, tower tiller lever handle (2)			
4	333 422 R1	SUPPORT, tower tiller upper (Controls A)			
	271 560	5/8 x 1-3/4" hex-hd cap SCREW (4)			
4	308 807 R11	SUPPORT, tower tiller upper (Controls B)			
	271 556	5/8 x 1-1/4" hex-hd cap SCREW (4)			
5	287 058 R91	OIL SEAL, tower tiller upper bearing (4)			
6	298 175 R91	BEARING, tower tiller upper (2)			
7	308 813 R1	RACE, tower tiller post inner (4)			
8	333 423 R11	POST w/two RACE, 308 813 R1, RH tower tiller (Controls A)			
8	605 770 C91	POST w/two RACE, 308 813 R1, RH tower tiller (Controls B)			



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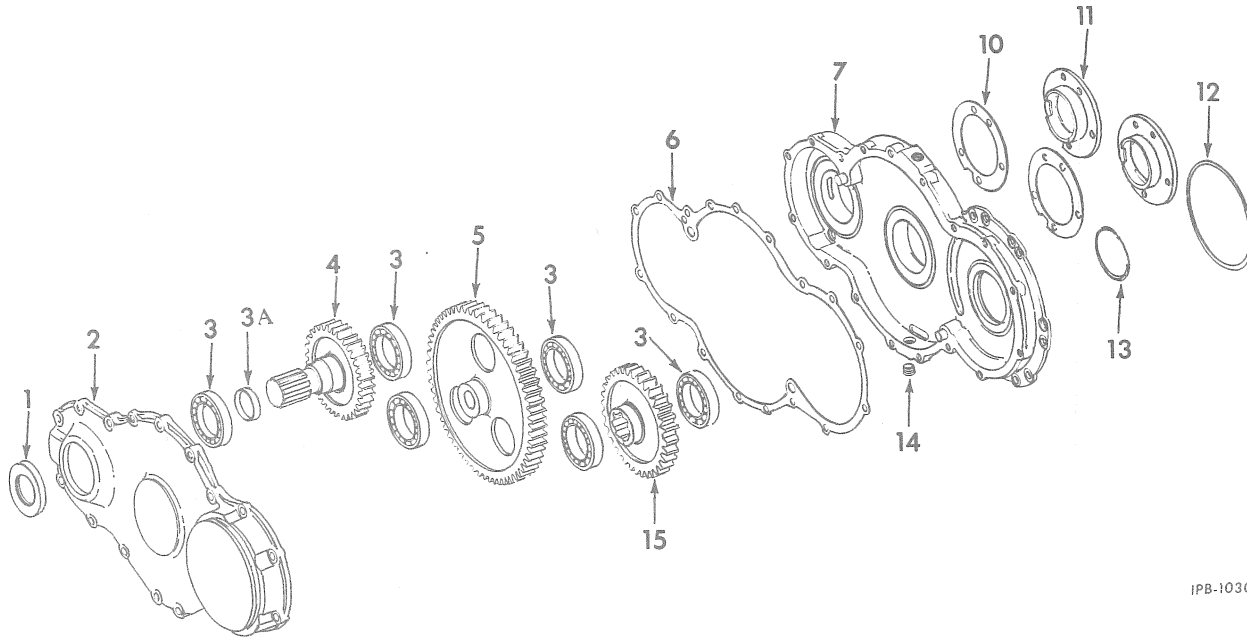
Parts without letters after the description indicate the part is used for all cable operating controls listed below: Letters "A" and "B" are used to identify separate cable operating controls.

MODEL 20-260 HI MOUNT AND LO MOUNT
DOUBLE DRUM REAR CABLE CONTROL UNITS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRANSFER CASE
(For Lo-Mounted Cable Control Unit)

TRANSFER CASE - Continued
(For Lo-Mounted Cable Control Unit)



IPB-10309 B

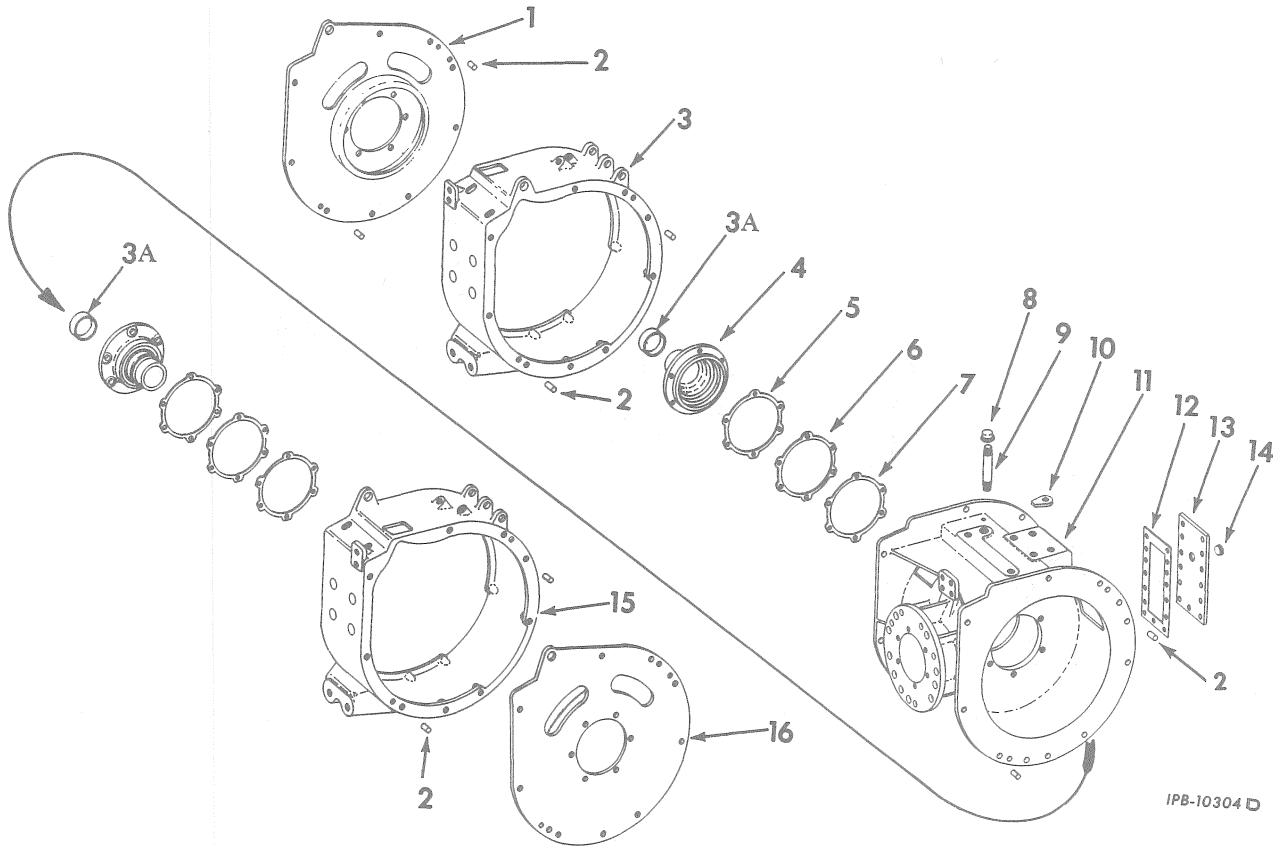
1		SEAL, pinion gear oil (Furnished as part of PACKAGE, 308 677 R92)	12	298 271 R1	GASKET, transfer case cover
2		COVER, transfer case (order 297 691 R91)	13	297 696 R1	RING, pinion drive gear bearing snap
	179 841	3/8 x 1-1/4" hex-hd cap SCREW (17)	14	273 469	PLUG, 3/4" sq-soc stl pipe (4)
	103 321	3/8" lock WASHER (17)	15	297 695 R2	GEAR, transfer case pinion drive
3	ST 264	BEARING, ball (6)		297 691 R92	CASE w/COVER, GASKET, 297 694 R1 and two PIN
3A	317 589 R1	SLEEVE, wear (also furnished as part of PACKAGE, 308 677 R92)		308 677 R92	PACKAGE, oil seal and wear SLEEVE, 317 589 R1, service
4	297 698 R11	GEAR w/wear SLEEVE, 317 589, R1, transfer case pinion		297 701 R1	PIPE, transfer case oil filler
5	297 697 R2	GEAR, transfer case idler		119 102	CAP, 3/4" pipe
6	297 694 R1	GASKET, transfer case cover		444 377	ELBOW, 3/4" x 90° street
7		CASE, transfer (order 297 691 R91)		444 612	PLUG, 1/8" auto PIPE
	271 564	5/8 x 2-1/2" hex-hd cap SCREW (5)		105 406	NIPPLE, 1/8 x 1-1/2" PIPE
	102 639	5/8" NUT (5)		187 394	COUPLING, 1/8" PIPE
10	297 700 R1	GASKET, transfer case bearing cover (2)		278 027 R1	WIRE, bulk locking (No. 16 ga) (customer must specify amount required)
11	297 699 R1	COVER, transfer case bearing (2)			WIRE, lock No. 16 ga (filler pipe breather hole) (order 278 027 R1)
	179 839	3/8 x 1" hex-hd cap SCREW (12)			
	103 321	3/8" lock WASHER (12)			

MODEL 20-260 HI MOUNT AND LO MOUNT
DOUBLE DRUM REAR CABLE CONTROL UNITS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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HOUSING

HOUSING - Continued



1	611 741 C11	SUPPORT w/RING, RH outboard bearing	13	297 780 R1	COVER, main housing access
	271 554	5/8 x 1" hex-hd cap SCREW (3)		179 839	3/8 x 1" hex-hd cap SCREW (13)
	271 556	5/8 x 1-1/4" hex-hd cap SCREW (6)		103 321	3/8" lock WASHER (13)
2	286 958 R1	PIN, dowel outer housing (8)	14	273 469	PLUG, 3/4" csk-hd pipe
3	297 787 R2	HOUSING, RH outer	15	297 786 R2	HOUSING, LH outer
3A	307 833 R1	SLEEVE, oil seal wear (2)	16	611 740 C11	SUPPORT w/RING, LH outboard bearing
4	326 450 R11	QUILL w/SLEEVE, 307 833 R1, drum		271 554	5/8 x 1" hex-hd cap SCREW (6)
	25 125 D	STUD, drum quill (12)		271 556	5/8 x 1-1/4" hex-hd cap SCREW (7)
	102 637	1/2" NUT (12)		273 469	PLUG, 3/4" csk-hd pipe
5	286 355 R1	SHIM, drum quill (.005) (6 or as required)		308 701 R1	RING, inner collector (2)
6	286 356 R1	SHIM, drum quill (.007) (6 or as required)			WIRE, filler pipe breather hole locking (order 278 027 R11)
7	286 357 R1	SHIM, drum quill (.020) (2 or as required)		278 027 R1	WIRE, bulk locking (No. 16 ga) (.0625) (customer must specify amount required)
8	108 689	CAP, 1" pipe (MI)			
9	297 782 R1	PIPE, filler			
10	286 556 R1	WEDGE, cable (spare) (6)			
	179 843	3/8 x 1-1/2" hex-hd cap SCREW (2)			
11	298 552 R3	HOUSING, main			
	271 556	5/8 x 1-1/4" hex-hd cap SCREW (14)			
12	297 781 R1	GASKET, main housing access cover			

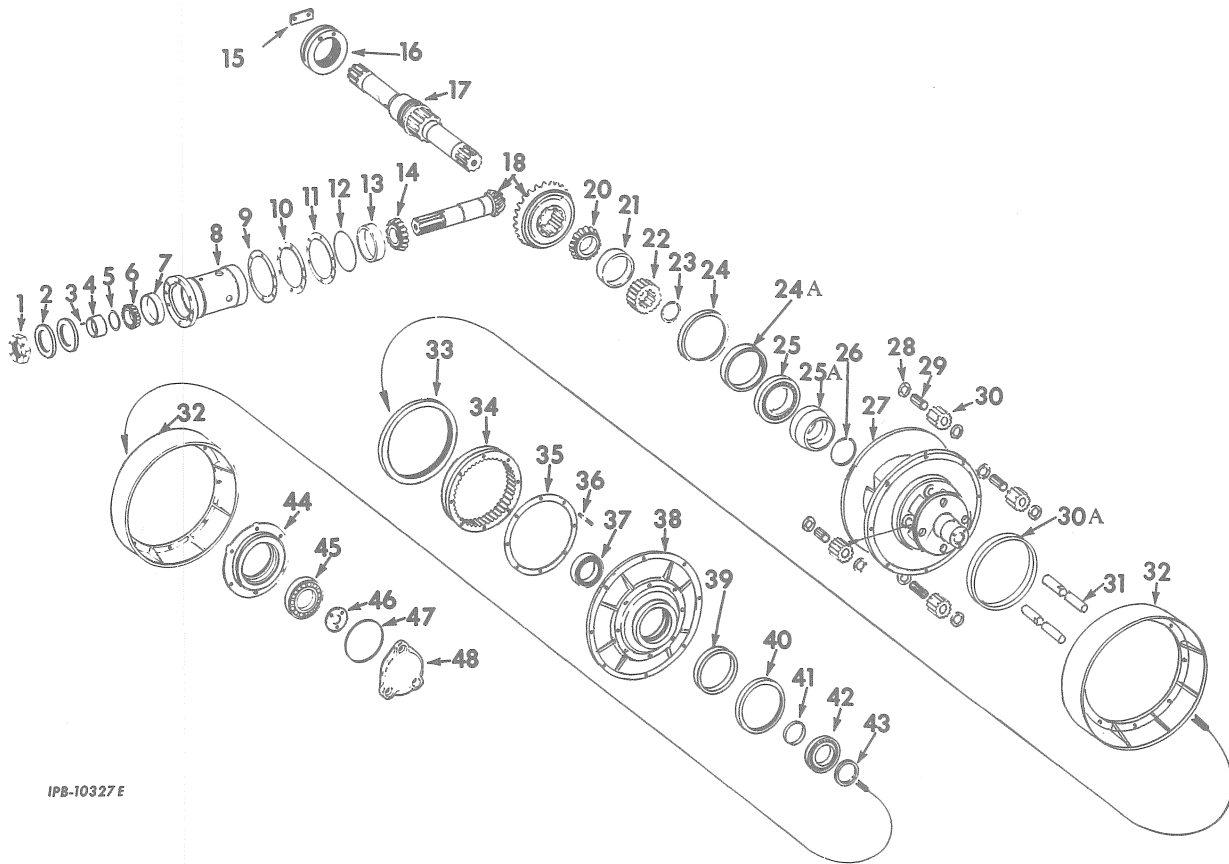
MEMORANDA

MODEL 20-260 HI MOUNT AND LO MOUNT
DOUBLE DRUM REAR CABLE CONTROL UNITS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRANSMISSION

TRANSMISSION - Continued



IPB-10327E

1	37 608 H 103 413	NUT, spiral bevel pinion lock 3/16 x 2-1/2" cotter PIN	15	311 774 R1 179 881	PLATE, lock 1/2 x 1" hex-hd cap SCREW (2)
2	338 904 R91	OIL SEAL, spiral bevel pinion (2)	16	311 731 R1	NUT, lock
3	297 806 R1	KEY, spiral bevel pinion oil seal sleeve	17	311 728 R1	SHAFT, spiral bevel gear
4	297 804 R2	SLEEVE, spiral bevel pinion oil seal	18	333 403 R91	SHAFT w/GEAR, bevel pinion (matched set)
5	297 805 R1	GASKET, spiral bevel pinion oil seal sleeve	20	298 197 R91	CONE, spiral bevel gear shaft tapered roller bearing (2)
6	298 194 R91	CONE, front spiral bevel pinion tapered roller bearing	21	13 390 D	CUP, spiral bevel gear shaft tapered roller bearing (2)
7	170 254 R1	CUP, front spiral bevel pinion tapered roller bearing	22	286 361 R1	GEAR, sun (20-T) (2)
8	333 402 R1 179 843 103 321	CAGE, pinion 3/8 x 1-1/2" hex-hd cap SCREW (6) 3/8" lock WASHER (6)	23	297 811 R1	RING, sun gear snap (2)
9	286 336 R1	SHIM, pinion cage (.005) (6 or as required)	24		(Order 323 656 R91
10	286 337 R1	SHIM, pinion cage (.007) (6 or as required)	24A	307 833 R1	SLEEVE, oil seal wear (2)
11	286 338 R1	SHIM, pinion cage (.020) (2 or as required)	25	298 190 R91	BEARING, cable drum cylindrical roller (2)
12	297 801 R1	GASKET, pinion cage	25A	326 451 R1	BLOCK, guide (2)
13	107 577 R1	CUP, rear spiral bevel pinion tapered roller bearing	26	297 810 R1	RING, cable drum bearing snap (2)
14	107 576 R91	CONE, rear spiral bevel pinion tapered roller bearing	27	326 306 R11	DRUM w/SLEEVE, 307 832 R1, cable (2)
			28	286 514 R1	WASHER, planet pinion gear thrust (16)
			29	M 85 097	BEARING, planet pinion gear journal roller (8)

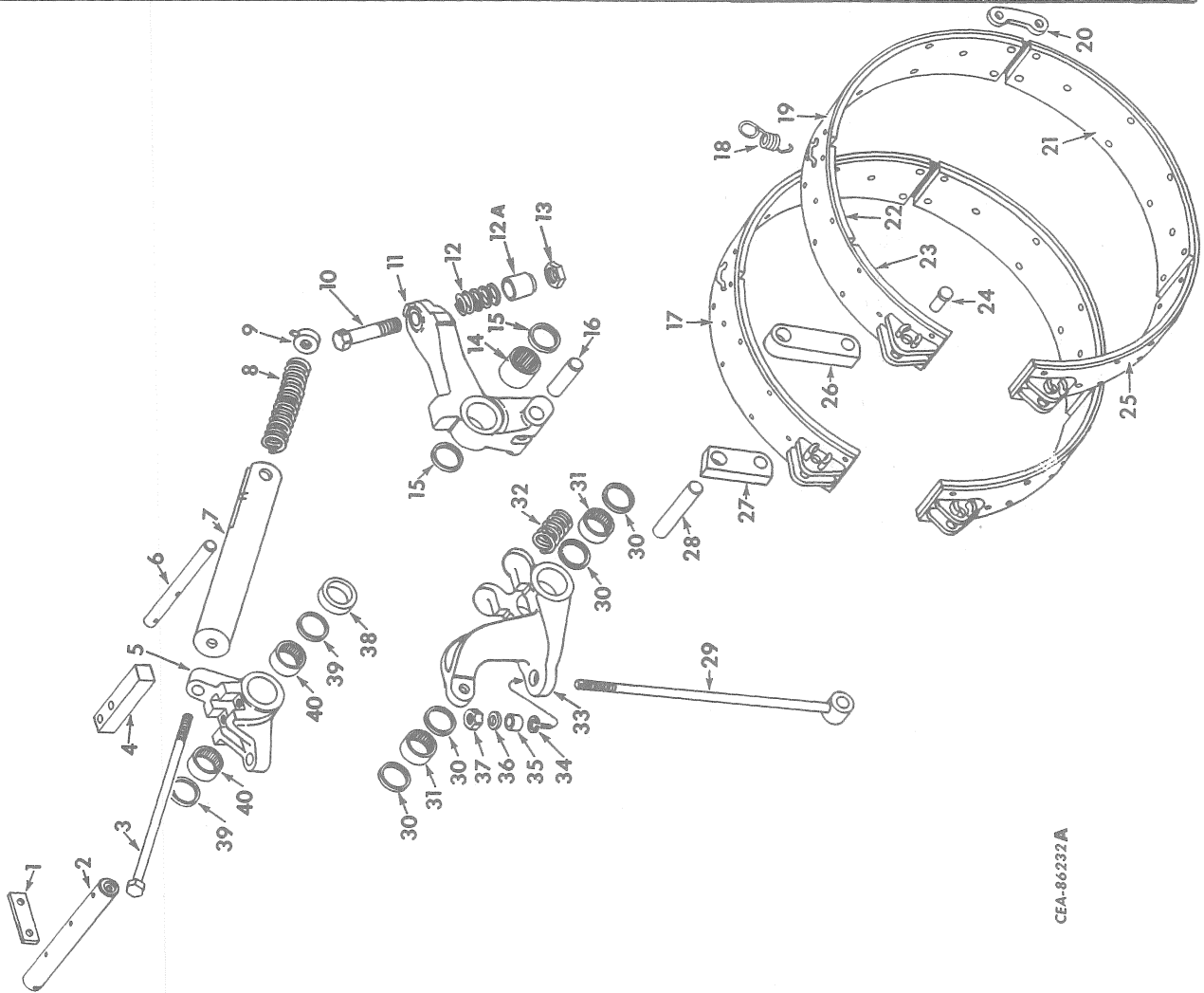
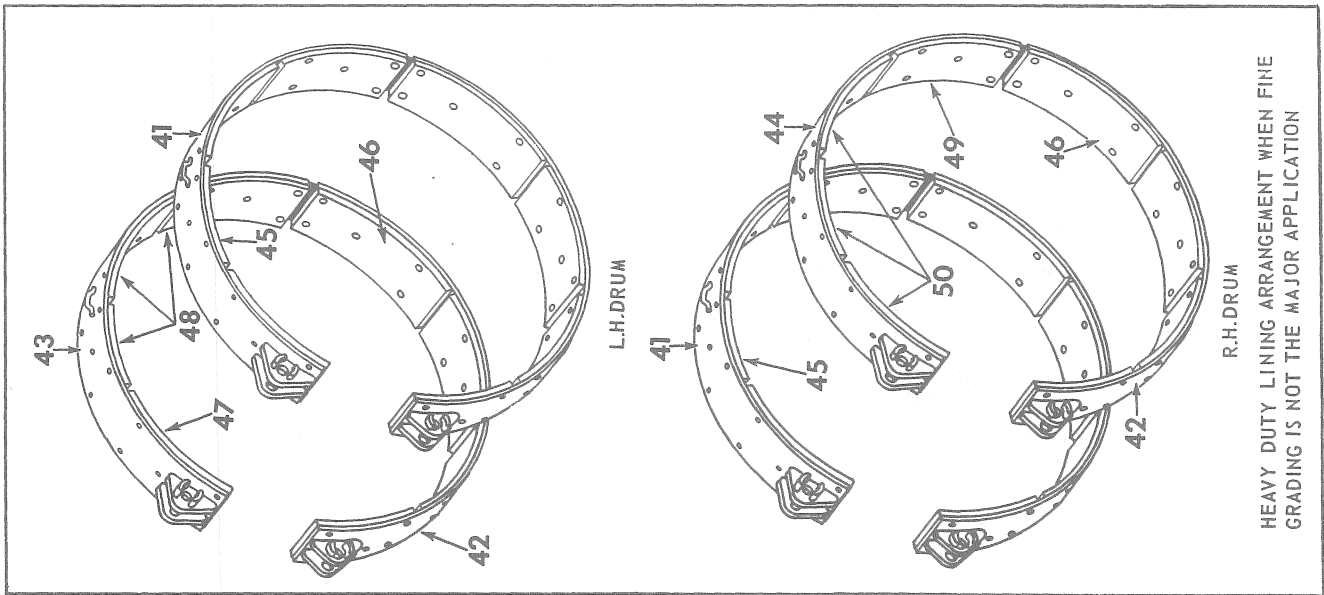
MODEL 20-260 HI MOUNT AND LO MOUNT
DOUBLE DRUM REAR CABLE CONTROL UNITS

REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION - Continued		
30	286 513 R1	GEAR, planet pinion (8)
30A	307 832 R1	SLEEVE, oil seal wear (2)
31	286 515 R1 103 424	SHAFT, planet pinion gear (8) 1/4 x 2-1/2" cotter PIN (8)
32	297 813 R1 179 882	DRUM, brake (4) 1/2 x 1-1/8" hex-hd cap SCREW (32)
33		(Order 323 657 R91)
34	286 981 R1	GEAR, ring (2)
35	286 521 R1	GASKET, ring gear (2)
36	286 520 R1 17 234 R1	STUD, 3/8NF x 2-3/4" ring head (16) NUT, 3/8NF elastic stop (16)
37		BEARING, planetary housing inner (order 324 739 R91) (2)
38	326 307 R11	HOUSING w/SLEEVE, 307 833 R1, planetary (2)
39	307 833 R1	SLEEVE, oil seal wear (2)
40		(Order 323 656 R91)
41		SPACER, planetary housing bearing (order 324 739 R91) (2)
42		BEARING, planetary housing outer (order 324 739 R91) (2)
43	326 308 R1	SPACER, brake drum hub bearing (2)
44	297 814 R2	HUB, brake drum (2)
45	ST 274	BEARING, brake drum hub (2)
46	297 816 R2 179 839 103 321	RETAINER, brake drum hub bearing (2) 3/8 x 1" hex-hd cap SCREW (6) 3/8" lock WASHER (6)
47	297 820 R1	GASKET, end cover (2)
48	8 232 DB 179 881	COVER, end (2) 1/2 x 1" hex-hd cap SCREW (6)
	324 739 R91	BEARING, planetary housing (consists of Ref. Nos. 37, 41 and 42) (2)
	311 524 R1	GASKET, cable drum (2)
	323 656 R91	PACKAGE, oil seal and wear sleeve service (Consists of OIL SEAL and SLEEVE, 307 833 R1) (X)
	323 657 R91	PACKAGE, oil seal and wear sleeve service (Consists of OIL SEAL and SLEEVE, 307 832 R1) (X)
	444 679	PLUG, 1" - 11 - 1/2NPT sq-soc steel pipe (planetary spider) (2)
	308 782 R1	SHIM, outer bearing retainer (.020) (2 or as required)
	308 783 R1	SHIM, outer bearing retainer (.007) (6 or as required)
	308 784 R1	SHIM, outer bearing retainer (.005) (6 or as required)
	311 627 R1	SHIM, roller bearing (.005) (X)
	311 628 R1	SHIM, roller bearing (.007) (X)
		(X) - As Required.

MODEL 20-260 HI MOUNT AND LO MOUNT
DOUBLE DRUM REAR CABLE CONTROL UNITS

OPERATING LEVERS AND BRAKE BAND

OPERATING LEVERS AND BRAKE BAND - Continued



CEA-86232A

MODEL 20-260 HI MOUNT AND LO MOUNT
DOUBLE DRUM REAR CABLE CONTROL UNITS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
OPERATING LEVERS AND BRAKE BAND - Continued			OPERATING LEVERS AND BRAKE BAND - Continued		
1	298 273 R1 179 814 103 320	PLATE, operating lever shaft lock (2) 5/16 x 5/8" hex-hd cap SCREW (4) 5/16" lock WASHER (4)	24	297 707 R1 103 388	PIN, tension rod lower (4) 1/8 x 1-3/4" cotter PIN (4)
2	297 719 R1	SHAFT, operating lever (2)	25	297 705 R92	BAND, w/two LINING, 297 704 R1 and twenty RIVET, 21 407 H, clutch (lower) (2)
3	297 721 R1	SCREW, brake adjusting (2)	26	297 708 R2	PAWL, clutch anchor (2)
4	297 716 R1 179 885	BAR, brake lever (2) 1/2 x 1-1/2" hex-hd cap SCREW (4)	27	297 710 R2	PAWL, brake anchor (2)
5	297 715 R2	LEVER, brake (2)	28	297 711 R1	PIN, brake anchor upper (2)
6	297 723 R1 103 408	PIN, brake spring housing 3/16 x 1-1/4" cotter PIN (4)	29	297 712 R2	ROD, tension (4)
7	297 720 R11	HOUSING, brake spring (2)	30	287 058 R91	OIL SEAL, clutch lever bearing (8)
8	287 015 R2	SPRING, brake (2)	31	298 175 R91	BEARING, clutch lever needle (4)
9	297 722 R11	BLOCK w/DOWEL, brake spring guide end (2)	32	287 009 R1	SPRING, clutch (2)
10	302 264 R1	BOLT, brake release lever (2)	33	297 717 R1	LEVER, clutch (2)
11	297 718 R1 265 923 R1	LEVER, brake release (2) PIN, 3/16 x 1-1/4" roll	34	238 627 R1	RING, clutch lever bushing snap (2)
12	287 020 R1 103 345	SPRING, brake release lever (2) 21/32 x 1-5/16 x .095" WASHER (2)	35	298 098 R91	BUSHING, clutch lever self-aligning (2)
12A	623 485 C1	STOP, brake release lever	35	298 098 R91	BUSHING, brake lever self-aligning (4)
13	114 507	NUT, 5/8" jam (2)	36	297 714 R1	SPACER, tension rod (6)
14	914 455 R91	BEARING, brake release lever needle (2)	37	454 522 R1	NUT, 1/2" elastic stop (4)
15	287 058 R91	OIL SEAL, brake release lever bearing (4)	38	298 274 R1	SPACER, brake lever (2)
16	297 709 R1	PIN, clutch anchor upper (2)	39	287 058 R91	OIL SEAL, brake lever bearing (4)
17	297 705 R92	BAND w/two LINING, 297 704 R1 and twenty RIVET, 21 407 H, brake (4)	40	298 175 R91	BEARING, brake lever needle (4)
18	309 944 R1	SPRING, extension (4)	41	611 643 C91	BAND w/four LINING, 323 563 R1 and twenty RIVET, 21 407 H, brake (*) (4)
19	298 926 R92	BAND w/LINING, 297 704 R1, LINING, 299 714 R1, LINING, 299 715 R1 and twenty RIVET, 21 407 H, LH clutch (upper)	42	611 643 C91	BAND w/four LINING, 323 562 R1 and twenty RIVET, 21 407 H, clutch (lower) (*) (2)
19	299 516 R92	BAND w/LINING, 297 704 R1, LINING, 299 714 R1, LINING, 299 715 R1 and twenty RIVET, 21 407 H, RH clutch (upper)	43	611 644 C91	BAND w/three LINING, 323 562 R1, one LINING, 299 714 R1 and twenty RIVET, 21 407 H, clutch (upper LH) (*)
20	297 706 R1	LINK, brake band connecting (4)	44	611 646 C91	BAND w/three LINING, 323 562 R1, one LINING, 299 714 R1 and twenty RIVET, 21 407 H, clutch (upper RH) (*)
21	297 704 R1 21 407 H	LINING, brake and clutch (7) RIVET, 3/16 x 7/16" (70)	45	323 562 R1 21 407 H	LINING, brake (*) (16) RIVET, 3/16 x 7/16" (80)
22	299 715 R1 21 407 H	LINING, clutch RIVET, 3/16 x 7/16" (5)	46	323 562 R1 21 407 H	LINING, clutch (lower) (*) (8) RIVET, 3/16 x 7/16" (40)
23	299 714 R1 21 407 H	LINING, metallic clutch RIVET, 3/16 x 7/16" (5)	47	299 714 R1 21 407 H	LINING, clutch (upper LH) (*) RIVET, 3/16 x 7/16" (5)
24	297 707 R1 103 388	PIN, brake band connecting link (8) 1/8 x 1-3/4" cotter PIN (8)	48	323 562 R1 21 407 H	LINING, clutch (upper LH) (*) RIVET, 3/16 x 7/16" (15)
24	297 707 R1 103 388	PIN, brake anchor lower (2) 1/8 x 1-3/4" cotter PIN (2)	49	299 714 R1 21 407 H	LINING, clutch (upper RH) (*) RIVET, 3/16 x 7/16" (5)
24	297 707 R1 103 388	PIN, clutch anchor lower (2) 1/8 x 1-3/4" cotter PIN (2)	50	323 562 R1 21 407 H	LINING, clutch (upper RH) (*) (3) RIVET, 3/16 x 7/16" (15)

(*) - Used only when fine grading is not the major application.

MODEL 20-260 HI MOUNT AND LO MOUNT
DOUBLE DRUM REAR CABLE CONTROL UNITS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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OPERATING LEVERS AND BRAKE BAND - Continued

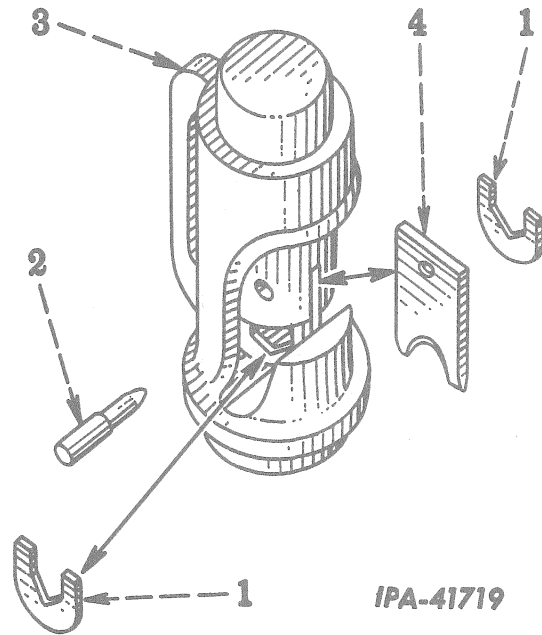
323 560 R91 ATTACHMENT, heavy duty lining (See NOTE 3) (*) (2)
(Composed of -
15 LINING 323 562 R1
1 LINING 299 714 R1
90 RIVET 21 407 H)

114 505 NUT, 1/2" jam (4)
444 571 PLUG, 1/8" NPT sq-hd pipe (2)

SCREW, 1/2 x 3" hex-soc ovpt set (4)

(*) - Used only when fine grading is not the major application.
NOTE 3 - Field Application - Order through Regular Service Parts Channels.

CABLE CUTTER



IPA-41719

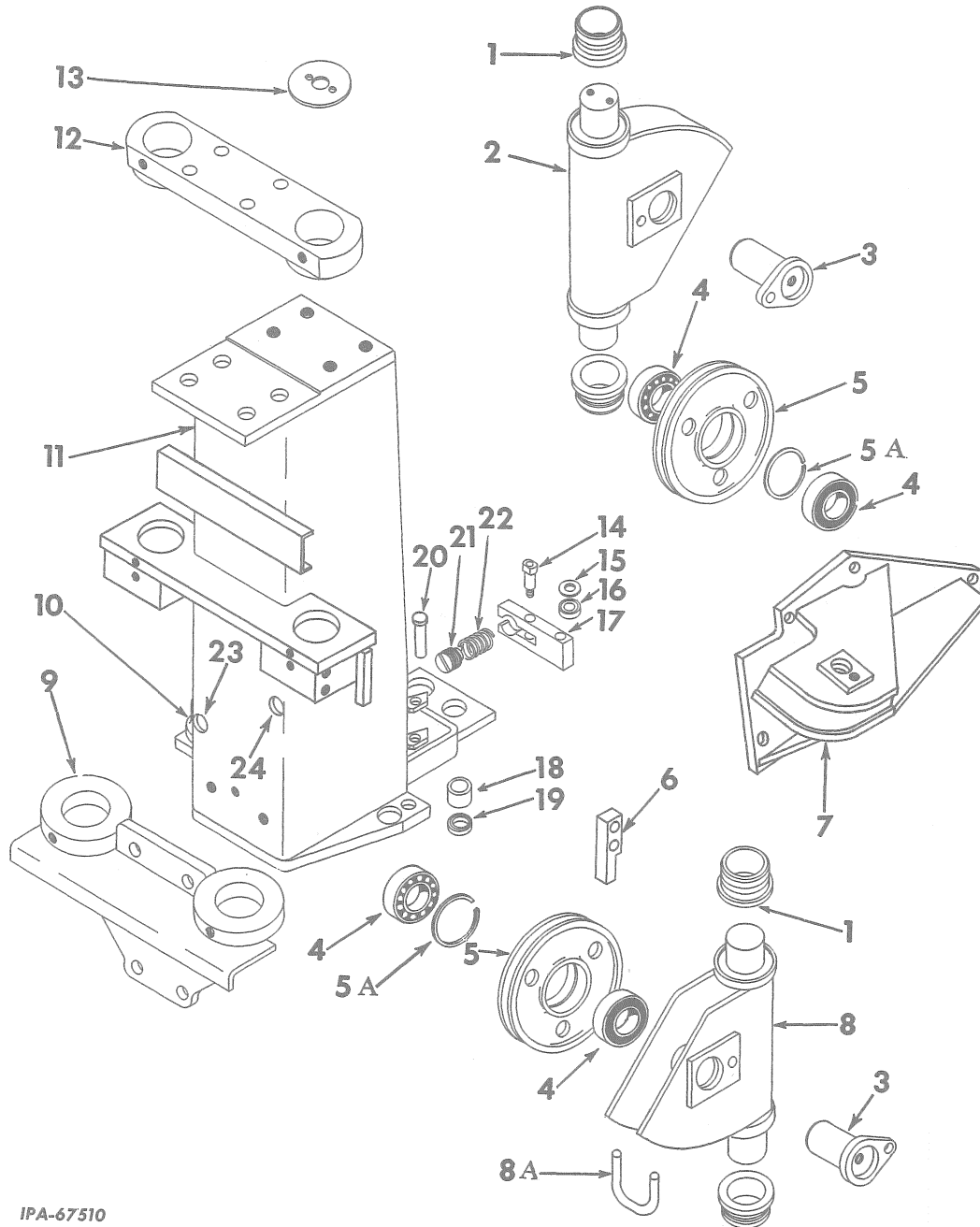
- 1 289 203 R1 BLADE, bottom (2)
- 2 289 204 R1 PIN, top cutting blade locking
- 3 286 552 R91 CUTTER ASSEMBLY, cable
(Composed of -
1 BLADE 289 202 R1
2 BLADE 289 203 R1
1 PIN 265 923 R1
1 PIN 289 204 R1)
- 4 289 202 R1 BLADE, top cutting
265 923 R1 PIN, 3/16 x 1-1/4" roll

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 MODEL 20-260 HI MOUNT AND LO MOUNT
 DOUBLE DRUM REAR CABLE CONTROL UNITS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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FAIRLEAD

FAIRLEAD - Continued

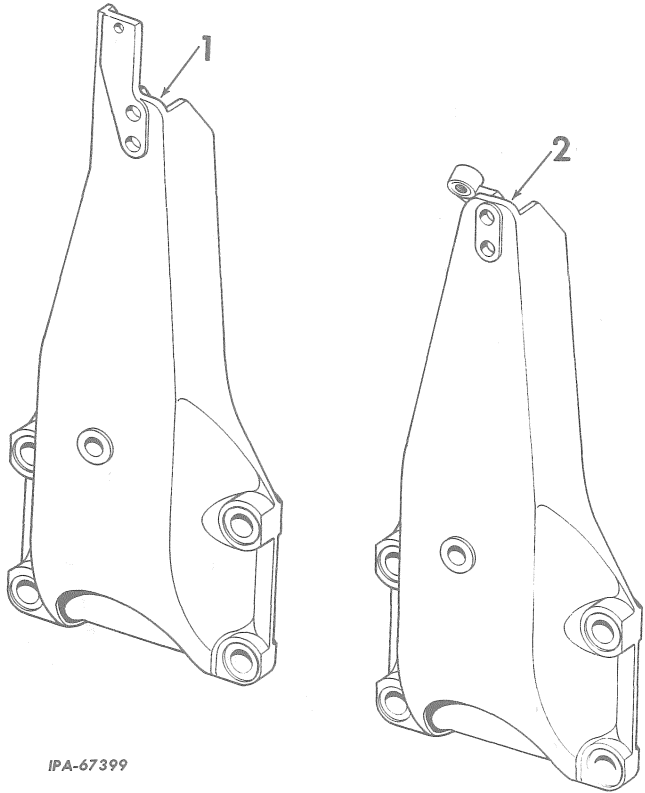


IPA-67510

1	286 385 R1	BUSHING, fairlead frame (8)	8	308 769 R91	FRAME w/STIFFENER, 308 802 R2, lower fairlead (2)
2	308 770 R91	FRAME, upper fairlead (2)	8A	308 802 R2	STIFFENER, lower, fairlead frame (2)
3	289 273 R11 271 554	SHAFT, fairlead sheave (4) 5/8 x 1" hex-hd cap SCREW (4)	9	308 765 R11 220 081 271 611	SUPPORT, tower lower bearing 3/4" NUT (2) 3/4 x 2" hex-hd cap SCREW (4)
4	ST 596	BEARING, fairlead sheave (8)	10	286 552 R91	CUTTER, cable (for components see list of parts under details of "Cable Cutter")
5	294 866 R1	SHEAVE, fairlead (4)	11	620 720 C91 271 611	TOWER w/CUTTER, 286 552 R91 side and fairlead sheave 3/4 x 2" hex-hd cap SCREW (4)
5A	290 358 R1	RING, sheave bearing retainer (4)			
6	326 122 R1 271 562	STOP, lower movable sheave 5/8 x 2" hex-hd cap SCREW (2)			
7	326 114 R91 271 560	HOUSING, side sheave 5/8 x 1-3/4" hex-hd cap SCREW (4)			

MODEL 20-260 HI MOUNT AND LO MOUNT
DOUBLE DRUM REAR CABLE CONTROL UNITS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
FAIRLEAD - Continued			MOUNTING BRACKET (For Hi-Mounted Cable Control Unit)		
12	308 764 R11	SUPPORT, tower upper bearing			
	220 081	3/4" NUT (4)			
	271 614	3/4 x 2-3/4" hex-hd cap SCREW (4)			
13	286 464 R1	SHIELD, fairlead frame bushing dust (2)			
	179 791	1/4 x 1/2" hex-hd cap SCREW (4)			
	103 319	1/4" lock WASHER (4)			
14	308 762 R1	SHAFT, tower tiller lockout follower (2)			
	102 635	3/8" NUT (2)			
	103 321	3/8" lock WASHER (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	1/8 x 7/8" cotter PIN (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)	1	333 408 R3	BRACKET, L.H. mounting
	109 462	FITTING, lubrication (2)		444 679	SCREW, 1-1/4 x 3-3/4" hex-hd cap
				272 527	SCREW, 1-1/4 x 3-1/4" hex-hd cap (2)
				18 756 R1	SCREW, 7/8 x 5-3/4" hex-hd cap
				271 657	7/8 x 2-1/4" hex-hd cap SCREW (2)
			2	333 409 R3	BRACKET, R.H. mounting
				20 109 R1	SCREW, 1-1/4 x 3-3/4" hex-hd cap
				272 527	SCREW, 1-1/4 x 3-1/4" hex-hd cap (2)
				18 756 R1	SCREW, 7/8 x 5-3/4" hex-hd cap
				271 657	7/8 x 2-1/4" hex-hd cap SCREW (2)



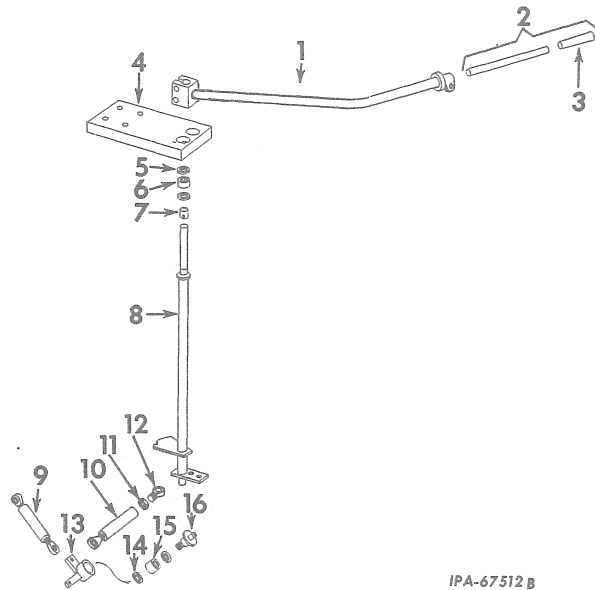
IPA-67399

MODEL 20-260S SINGLE DRUM
REAR-CABLE CONTROL UNIT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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CABLE OPERATING CONTROLS
(Rear Mounted)

CABLE OPERATING CONTROLS - Continued
(Rear Mounted)

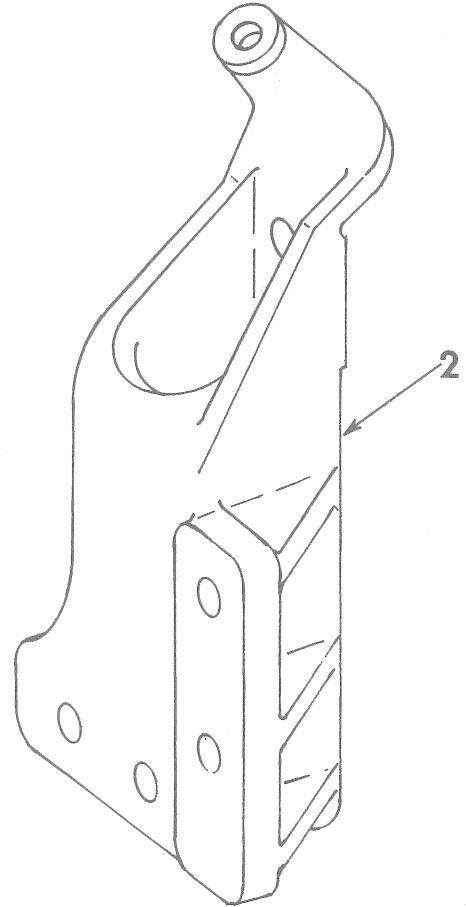
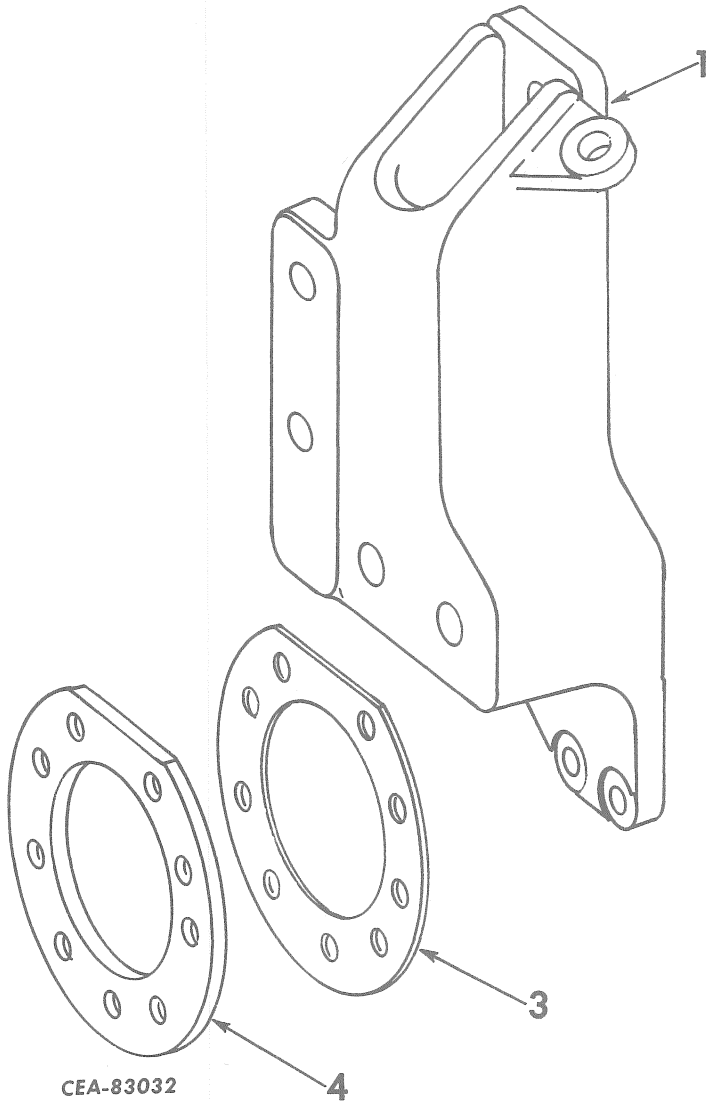


IPA-67512 B

	109 460	FITTING, lubrication (3)		109 460	FITTING, lubrication (3)
	102 467 H	FITTING, lubrication (Lincoln 5042) (optional with 110 146 R91) (2)		102 467 H	FITTING, lubrication (Lincoln 5042) (optional with 110 146 R91) (2)
	110 146 R91	FITTING, lubrication (Alemite 1792BL) (optional with 102 467 H) (2)		110 146 R91	FITTING, lubrication (Alemite 1792BL) (optional with 102 467 H) (2)
	117 175	FITTING, lubrication (2)		117 175	FITTING, lubrication (2)
1	342 491 R11	LEVER, tower tiller			
	102 639	5/8" NUT (2)			
	271 565	5/8 x 2-3/4" hex-hd cap SCREW (2)			
2	293 808 R91	HANDLE w/GRIP, 619 405 C1, tower tiller lever			
	179 883	1/2 x 1-1/4" hex-hd cap SCREW (2)			
	103 323	1/2" heavy lock WASHER (2)			
3	619 405 C1	GRIP, tower tiller lever handle			
4	333 422 R11	SUPPORT, tower tiller upper			
	271 560	5/8 x 1-3/4" hex-hd cap SCREW (4)			
5	287 058 R91	OIL SEAL, tower tiller upper bearing oil (2)			
6	298 175 R91	BEARING, tower tiller upper			
7	308 813 R1	RACE, tower tiller post inner (2)			
8	333 424 R11	POST w/two RACE, 308 813 R1, tower tiller bowl			
9	308 820 R91	LINK, control (long)			
	103 028	1/2NF NUT (2)			
	181 433	1/2NF x 1-3/4" hex-hd cap SCREW			
	181 431	1/2NF x 1-1/2" hex-hd cap SCREW			
10	308 823 R11	SLEEVE w/BEARING, control adjustable			
11	103 028	NUT, 1/2NF hex (2)			
12	283 442 R91	BEARING, rod end			
13	308 815 R91	BELLCRANK, control link			
14	287 058 R91	OIL SEAL, control link bellcrank bearing oil (2)			
15	914 455 R91	BEARING, control link bellcrank			
16	308 818 R11	BOLT, control link bellcrank			
	218 443	3/4" jam NUT			

MODEL 20-260S SINGLE DRUM
REAR-CABLE CONTROL UNIT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
MOUNTING BRACKET (For Lo-Mounted Cable Control Unit)			MOUNTING BRACKET - Continued (For Lo-Mounted Cable Control Unit)		



- 1 602 066 C1 BRACKET, RH mounting
271 657 7/8 x 2-1/4" hex-hd cap SCREW (4)
272 567 1-1/4 x 3" hex-hd cap SCREW (2)
- 2 602 065 C1 BRACKET, LH mounting
271 657 7/8 x 2-1/4" hex-hd cap SCREW (4)
272 567 1-1/4 x 3" hex-hd cap SCREW (2)

- 3 325 429 R1 GASKET, adapter plate
- 4 605 764 C1 PLATE, adapter
271 556 5/8 x 1-1/4" hex-hd cap SCREW (9)

MODEL 20-260S SINGLE DRUM
REAR-CABLE CONTROL UNIT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HOUSING			HOUSING - Continued		
1	611 741 C11	SUPPORT w/RING, outboard bearing	13	297 780 R1	COVER, main housing access
	271 554	5/8 x 1" hex-hd cap SCREW (6)		179 839	3/8 x 1" hex-hd cap SCREW (13)
	271 556	5/8 x 1-1/4" hex-hd cap SCREW (3)		103 321	3/8" lock WASHER (13)
2	286 958 R1	PIN, dowel outer housing (4)	14	9 409 949	PLUG, 3/4" csk-hd pipe (2)
3	297 787 R2	HOUSING, RH outer	15	342 029 R1	COVER w/PLUG, 116 566, main shaft end
3A	307 833 R1	SLEEVE, oil seal wear		116 566	PLUG, main shaft end cover
4	326 450 R11	QUILL w/SLEEVE, 307 833 R1, drum	16	342 172 R11	PLATE, side cover
	25 125 D	STUD, drum quill (12)		102 639	5/8" NUT (7)
	102 637	1/2" NUT (12)		271 560	5/8 x 1-3/4" hex-hd cap SCREW (7)
5	286 355 R1	SHIM, drum quill (.005) (6 or as required)		342 031 R1	PLATE, dowel pin support (2)
6	286 356 R1	SHIM, drum quill (.007) (6 or as required)		308 701 R1	RING, inner collector
7	286 357 R1	SHIM, drum quill (.020) (2 or as required)			WIRE, filler pipe breather hole locking (order 278 027 R1)
8	108 689	CAP, 1" pipe (MI)	278 027 R1		WIRE, bulk locking (No. 16 ga) (.0625) (customer must specify amount required)
9	297 782 R1	PIPE, filler			
10	286 556 R1	WEDGE, cable (spare) (3)			
	179 843	3/8 x 1-1/2" hex-hd cap SCREW			
11	298 552 R3	HOUSING, main			
	271 556	5/8 x 1-1/4" hex-hd cap SCREW (7)			
12	297 781 R1	GASKET, main housing access cover			

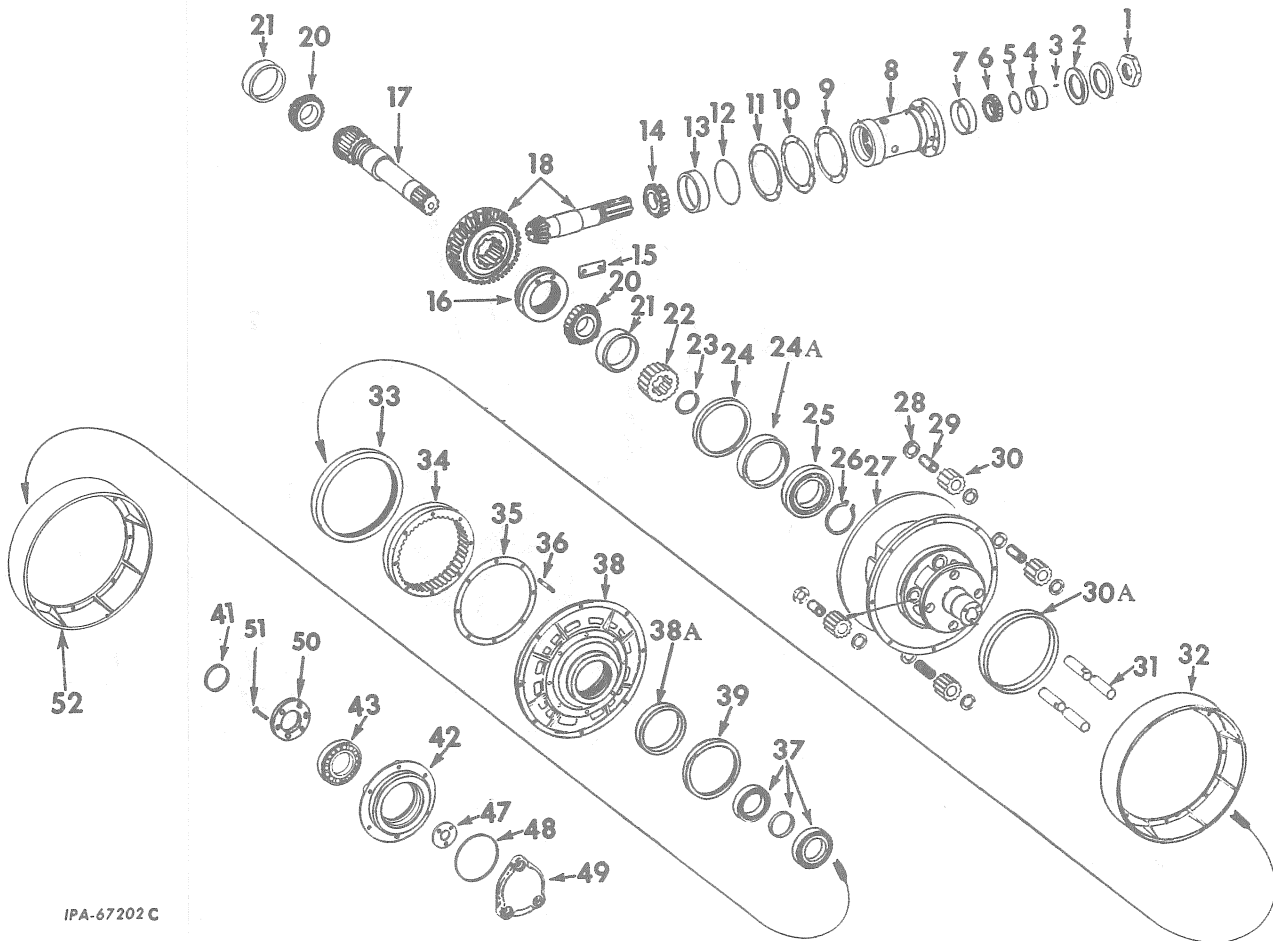
IPA-67244.A

-222-
 MODEL 20-260S SINGLE DRUM
 REAR-CABLE CONTROL UNIT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRANSMISSION

TRANSMISSION - Continued



IPA-67202 C

1	37 608 H 103 413	NUT, spiral bevel pinion lock 3/16 x 2-1/2" cotter PIN	12	297 801 R1	GASKET, pinion cage
2	338 904 R91	OIL SEAL, spiral bevel pinion (2)	13	107 577 R1	CUP, rear spiral bevel pinion tapered roller bearing
3	297 806 R1	KEY, spiral bevel pinion oil seal sleeve	14	107 576 R91	CONE, rear spiral bevel pinion tapered roller bearing
4	297 804 R2	SLEEVE, spiral bevel pinion oil seal	15	311 774 R1 179 881	PLATE, lock 1/2 x 1" hex-hd cap SCREW (2)
5	297 805 R1	GASKET, spiral bevel pinion oil seal sleeve	16	311 731 R1	NUT, lock
6	298 194 R91	CONE, front spiral bevel pinion tapered roller bearing	17	342 036 R1	SHAFT, spiral bevel gear
7	170 254 R1	CUP, front spiral bevel pinion tapered roller bearing	18	333 403 R91	SHAFT w/GEAR, bevel pinion (matched set)
8	333 402 R1 179 843 103 321	CAGE, pinion 3/8 x 1-1/2" hex-hd cap SCREW (6) 3/8" lock WASHER (6)	20	298 197 R91	CONE, spiral bevel gear shaft tapered roller bearing (2)
9	286 336 R1	SHIM, pinion cage (.005) (6 or as required)	21	13 390 D	CUP, spiral bevel gear shaft tapered roller bearing (2)
10	286 337 R1	SHIM, pinion cage (.007) (6 or as required)	22	286 361 R1	GEAR, sun (20-T)
11	286 338 R1	SHIM, pinion cage (.020) (2 or as required)	23	297 811 R1	RING, sun gear snap
			24		(Order 323 656 R91)
			24A	307 833 R1	SLEEVE, oil seal wear

MODEL 20-260S SINGLE DRUM
REAR-CABLE CONTROL UNIT

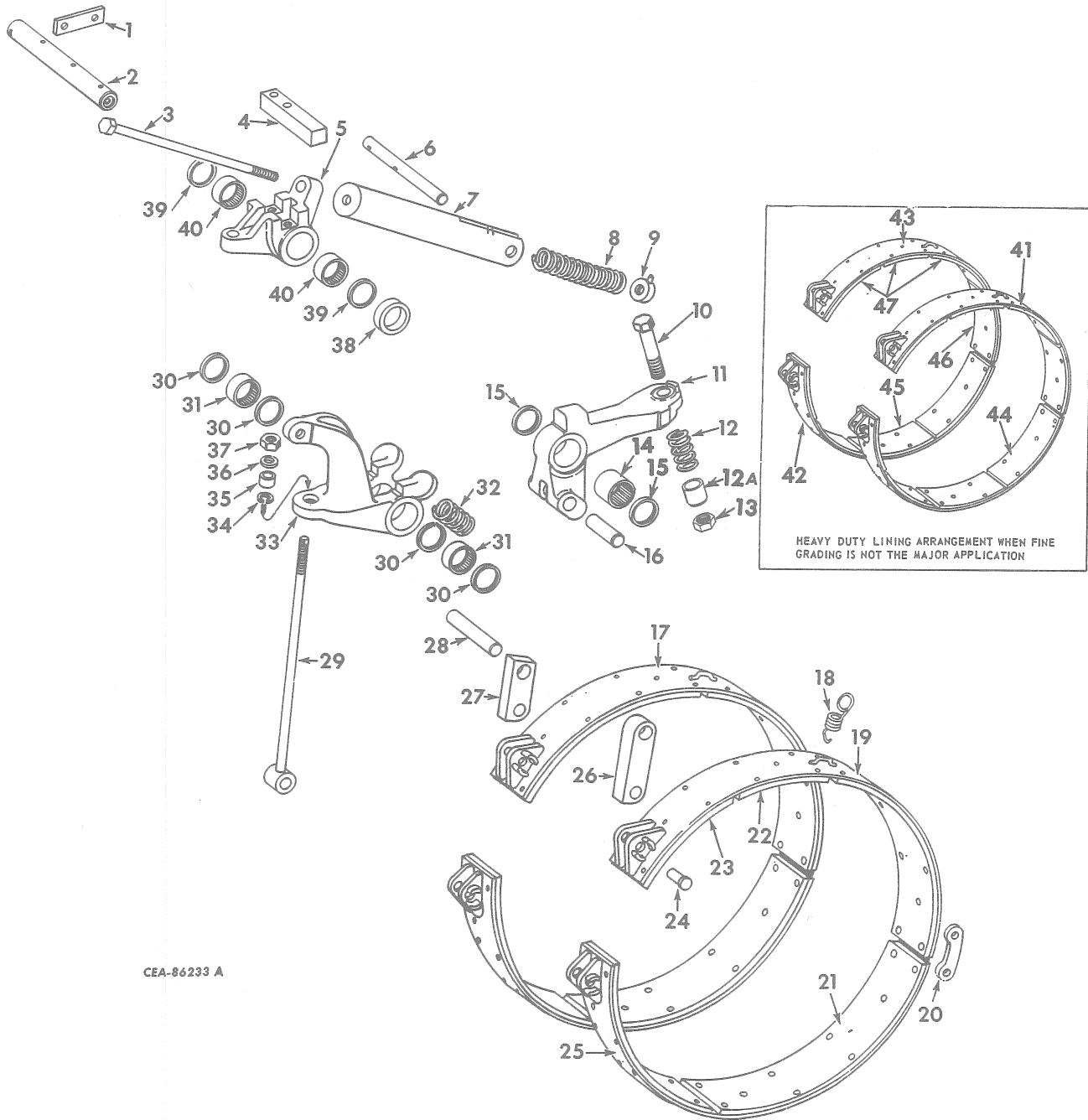
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION - Continued			TRANSMISSION - Continued		
25	298 190 R91	BEARING, cable drum cylindrical roller	444 679		PLUG, 1" - 11-1/2NPT sq-soc steel pipe (planetary spider)
26	324 738 R1	RING, cable drum bearing snap	308 782 R1		SHIM, outer bearing retainer (.020) (1 or as required)
27	326 306 R11	DRUM w/SLEEVE, 307 832 R1, cable	308 783 R1		SHIM, outer bearing retainer (.007) (3 or as required)
28	286 514 R1	WASHER, planet pinion gear thrust (8)	308 784 R1		SHIM, outer bearing retainer (.005) (3 or as required)
29	M 85 097	BEARING, planet pinion gear journal roller (4)	311 627 R1		SHIM, roller bearing (.005) (X)
30	286 513 R1	GEAR, planet pinion (4)	311 628 R1		SHIM, roller bearing (.007) (X)
30A	307 832 R1	SLEEVE, oil seal wear	307 832 R1		SLEEVE, oil seal wear (large)
31	286 515 R1 600 584 C1	SHAFT, planet pinion gear (4) PIN, cotter (4)	307 833 R1		SLEEVE, oil seal wear (small) (2)
32	297 813 R1 179 882	DRUM, brake (2) 1/2 x 1-1/8" hex-hd cap SCREW (16)			(X) - As Required.
33		(Order 323 657 R91)			
34	286 981 R1	GEAR, ring			
35	286 521 R1	GASKET, ring gear			
36	286 520 R1 17 234 R1	STUD, 3/8NF x 2-3/4" ring head (8) NUT, 3/8NF 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 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			
47	297 816 R2 179 839 103 321	RETAINER, brake drum hub bearing 3/8 x 1" hex-hd cap SCREW (3) 3/8" lock WASHER (3)			
48	297 820 R1	GASKET, end cover			
49	8 232 DB 179 881	COVER, end 1/2 x 1" hex-hd cap SCREW (3)			
50	614 662 C1	RING, retainer			
51	619 442 C1	SCREW, flat hd mach			
52	297 813 R1	DRUM (Part No. will be furnished in next revision)			
	326 451 R1	BLOCK, guide			
	311 524 R1	GASKET, cable drum			
	323 657 R91	PACKAGE, oil seal and wear sleeve service (consists of SLEEVE, 307 832 R1 and OIL SEAL)			
	323 656 R91	PACKAGE, oil seal and wear sleeve service (consists of SLEEVE, 307 833 R1, and OIL SEAL) (2)			

MODEL 20-260S SINGLE DRUM
REAR-CABLE CONTROL UNIT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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OPERATING LEVERS AND BRAKE BAND

OPERATING LEVERS AND BRAKE BAND - Continued



HEAVY DUTY LINING ARRANGEMENT WHEN FINE GRADING IS NOT THE MAJOR APPLICATION

CEA-86233 A

1	298 273 R1 179 814 103 320	PLATE, operating lever shaft lock 5/16 x 5/8" hex-hd cap SCREW (2) 5/16" lock WASHER (2)	7	297 720 R11	HOUSING, brake spring
2	297 719 R1	SHAFT, operating lever	8	287 015 R2	SPRING, brake
3	297 721 R1	SCREW, brake adjusting	9	297 722 R11	BLOCK w/DOWEL, brake spring guide end
4	297 716 R1 179 885	BAR, brake lever 1/2 x 1-1/2" hex-hd cap SCREW (2)	10	271 570	SCREW, 5/8 x 4" pitman arm stop
5	297 715 R2	LEVER, brake	11	297 718 R1 265 923 R1	LEVER, brake release PIN, 3/16 x 1-1/4" roll
6	297 723 R1 103 408	PIN, brake spring housing 3/16 x 1-1/4" cotter PIN (2)	12	287 020 R1 103 345	SPRING, brake release lever 21/32 x 1-5/16 x 13 ga WASHER
			12A	623 485 C1	STOP, brake release lever

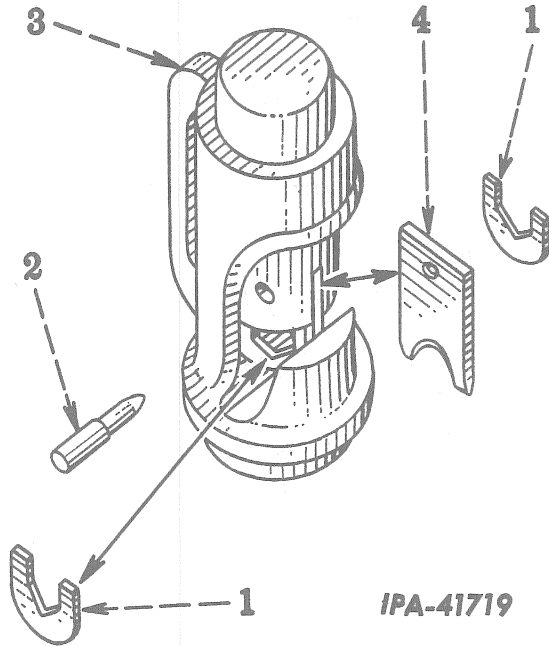
MODEL 20-260S SINGLE DRUM
REAR-CABLE CONTROL UNIT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
OPERATING LEVERS AND BRAKE BAND - Continued			OPERATING LEVERS AND BRAKE BAND - Continued		
13	114 507	NUT, 5/8" jam	41	611 643 C91	BAND w/four LINING, 323 562 R1 and twenty RIVET, 21 407 H, brake (*) (2)
14	914 455 R91	BEARING, brake release lever needle	42	611 643 C91	BAND w/four LINING, 323 562 R1 and twenty RIVET, 21 407 H, clutch (lower) (*)
15	287 058 R91	OIL SEAL, brake release lever bearing (2)	43	611 646 C91	BAND w/three LINING, 323 562 R1, one LINING, 299 714 R1 and twenty RIVET, 21 407 H, clutch (upper) (*)
16	297 709 R1	PIN, clutch anchor upper	44	323 562 R1 21 407 H	LINING, brake (*) (8) RIVET, 3/16 x 7/16" (40)
17	297 705 R92	BAND w/two LINING, 297 704 R1 and twenty RIVET, 21 407 H, brake (2)	45	323 562 R1 21 407 H	LINING, clutch (lower) (*) (4) RIVET, 3/16 x 7/16" (20)
18	309 944 R1	SPRING, extension (2)	46	299 714 R1 21 407 H	LINING, clutch (upper) (*) RIVET, 3/16 x 7/16" (5)
19	299 516 R92	BAND w/LINING, 297 704 R1, LINING, 299 714 R1, LINING, 299 715 R1 and twenty RIVET, 21 407 H, RH clutch (upper)	47	323 562 R1 21 407 H	LINING, clutch (upper) (*) (3) RIVET, 3/16 x 7/16" (15)
20	297 706 R1	LINK, brake band connecting (2)	323 560 R91	ATTACHMENT, heavy duty lining (See NOTE 3) (*) (Composed of - 15 LINING 323 562 R1 1 LINING 299 714 R1 90 RIVET 21 407 H)	
21	297 704 R1 21 407 H	LINING, brake and clutch (7) RIVET, 3/16 x 7/16" (70)	114 505 444 571	NUT, 1/2" jam (2) PLUG, 1/8" NPT sq-hd pipe	
22	299 715 R1 21 407 H	LINING, clutch RIVET, 3/16 x 7/16" (5)	179 893	SCREW, 1/2 x 3" hex-soc oval pt set (2)	
23	299 714 R1 21 407 H	LINING, metallic clutch RIVET, 3/16 x 7/16" (5)	(*) - Used only when fine Sealing is not the major application. NOTE 3 - Field Application - Order through Regular Service Parts Channels.		
24	297 707 R1 103 388	PIN, brake band connecting link (4) 1/8 x 1-3/4" cotter PIN (4)			
24	297 707 R1 103 388	PIN, brake anchor lower 1/8 x 1-3/4" cotter PIN			
24	297 707 R1 103 384	PIN, clutch anchor lower 1/8 x 3/4" cotter PIN			
24	297 707 R1 103 384	PIN, tension rod lower (2) 1/8 x 3/4" cotter PIN (2)			
25	297 705 R92	BAND w/two LINING, 297 704 R1 and twenty RIVET, 21 407 H, clutch (lower)			
26	297 708 R2	PAWL, clutch anchor			
27	297 710 R2	PAWL, brake anchor			
28	297 711 R1	PIN, brake anchor upper			
29	297 712 R2	ROD, tension (2)			
30	287 058 R91	OIL SEAL, clutch lever bearing (4)			
31	298 175 R91	BEARING, clutch lever needle (2)			
32	287 009 R1	SPRING, clutch			
33	297 717 R1	LEVER, clutch			
34	238 627 R1	RING, clutch lever bushing stop			
35	298 098 R91	BUSHING, clutch lever self-aligning			
35	298 098 R91	BUSHING, brake lever self-aligning (2)			
36	297 714 R1	SPACER, tension rod (3)			
37	454 522 R1	NUT, 1/2" elastic stop (2)			
38	298 274 R1	SPACER, brake lever			
39	287 058 R91	OIL SEAL, brake lever bearing (2)			
40	298 175 R91	BEARING, brake lever needle (2)			

MODEL 20-260S SINGLE DRUM
REAR-CABLE CONTROL UNIT

REF. NO.	PART NUMBER	DESCRIPTION
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CABLE CUTTER



IPA-41719

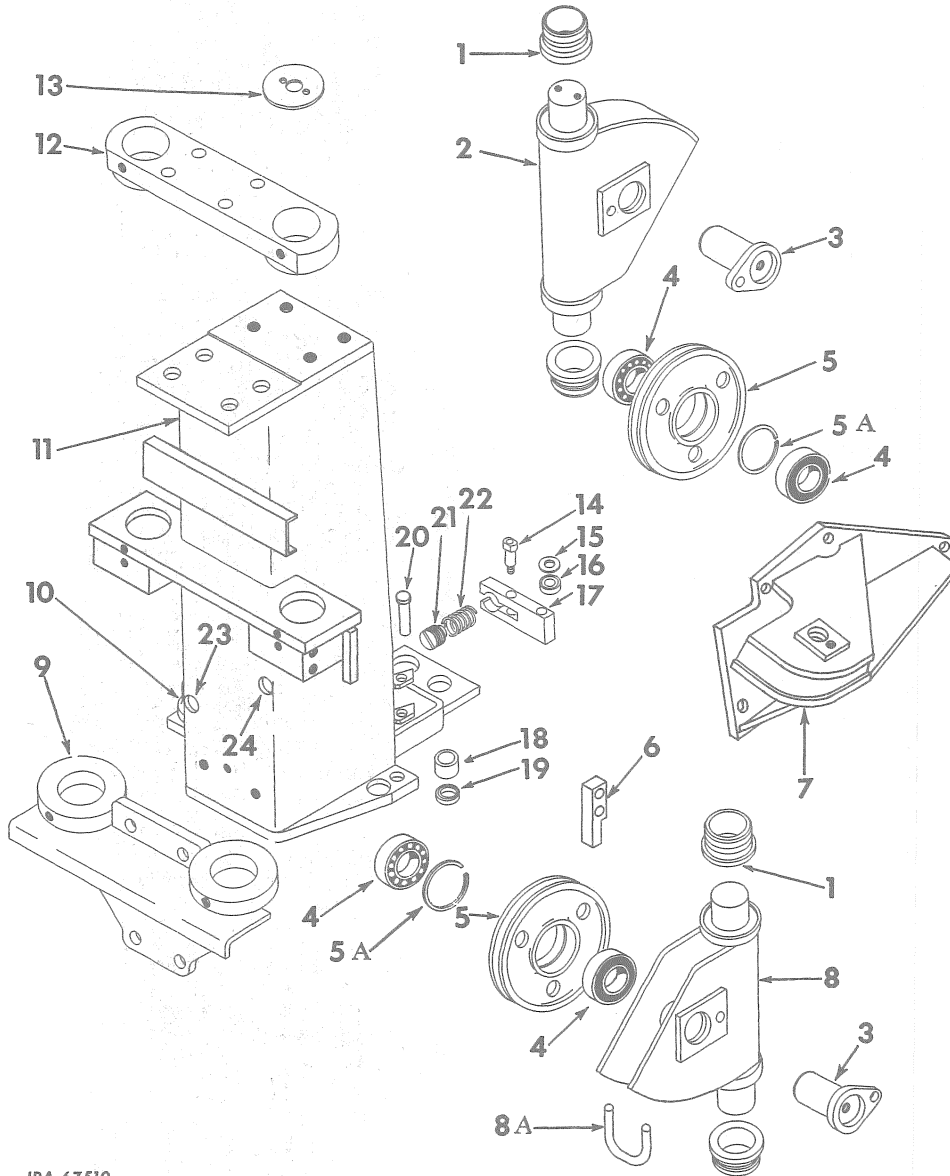
1	289 203 R1	BLADE, bottom (2)
2	289 204 R1	PIN, top cutting blade locking
3	286 552 R91	CUTTER ASSEMBLY, cable (Composed of - 1 BLADE 289 202 R1 2 BLADE 289 203 R1 1 PIN 265 923 R1 1 PIN 289 204 R1)
4	289 202 R1 265 923 R1	BLADE, top cutting PIN, 3/16 x 1-1/4" roll

MODEL 20-260S SINGLE DRUM
REAR-CABLE CONTROL UNIT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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FAIRLEAD

FAIRLEAD - Continued

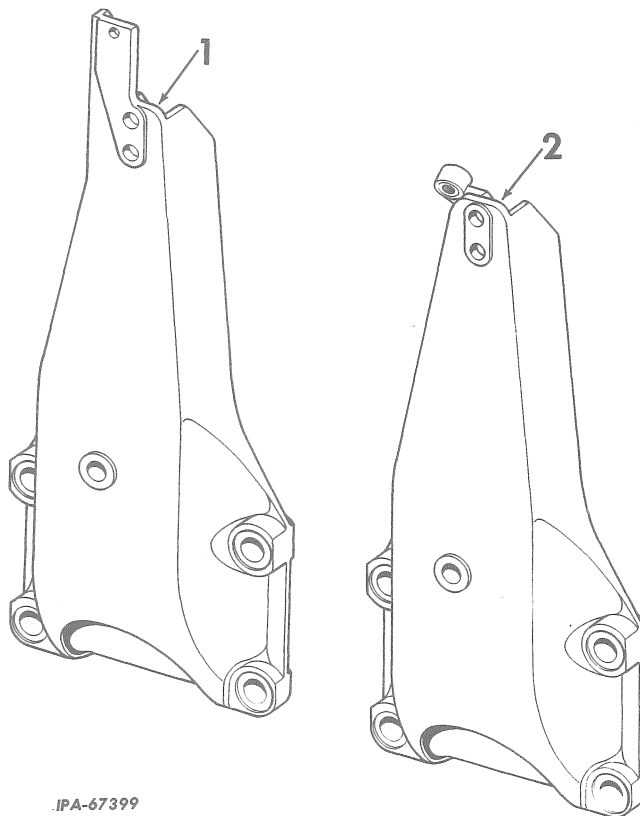


IPA-67510

1	286 385 R1	BUSHING, fairlead frame (4)	7	605 809 C91	BRACKET, side sheave (used with Lo Mount Cable Control Unit)
2	308 770 R91	FRAME, upper fairlead	271 560		5/8 x 1-3/4" hex-hd cap SCREW
3	289 273 R11	SHAFT, fairlead sheave (2)	8	308 769 R91	FRAME w/STIFFENER, 308 802 R2, lower fairlead
	271 554	5/8 x 1" hex-hd cap SCREW (2)	8A	308 802 R2	STIFFENER, lower fairlead frame
4	ST 596	BEARING, fairlead sheave (8)	9	308 765 R11	SUPPORT, tower lower bearing
5	294 866 R1	SHEAVE, fairlead (4)	220 081		3/4" NUT (2)
5A	290 358 R1	RING, sheave bearing retainer (4)	271 611		3/4 x 2" hex-hd cap SCREW (4)
6	326 122 R1	STOP, lower movable sheave	10	286 552 R91	CUTTER, cable (for components see list of parts under details of "Cable Cutter")
	271 562	5/8 x 2" hex-hd cap SCREW (2)	11	620 720 C91	TOWER w/CUTTER, 286 552 R91, sheave
7	326 114 R91	BRACKET, side sheave (used with Hi Mount Cable Control Unit)	271 611		3/4 x 2" hex-hd cap SCREW (4)
	271 560	5/8 x 1-3/4" hex-hd cap SCREW (4)			

MODEL 20-260S SINGLE DRUM
REAR-CABLE CONTROL UNIT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
FAIRLEAD - Continued			MOUNTING BRACKET		
12	308 764 R11	SUPPORT, tower upper bearing			
	220 081	3/4" NUT (4)			
	271 614	3/4 x 2-3/4" hex-hd cap SCREW (4)			
13	286 464 R1	SHIELD, fairlead frame bushing dust			
	179 791	1/4 x 1/2" hex-hd cap SCREW (2)			
	103 319	1/4" lock WASHER (2)			
14	308 762 R1	SHAFT, tower tiller lockout follower			
	102 635	3/8" NUT			
	103 321	3/8" lock WASHER			
15	308 761 R1	WASHER, tower tiller lockout follower thrust (2)			
16	309 059 R1	BEARING, tower tiller lockout roller follower			
17	308 760 R1	FOLLOWER, tower tiller lockout spring			
18	298 175 R91	BEARING, tower tiller support needle			
19	287 058 R91	OIL SEAL, tower tiller support needle bearing (2)			
20	309 749 R1	PIN, rod end			
	108 630	1/8 x 7/8" cotter PIN			
21	308 763 R1	ADJUSTMENT, tower tiller lockout spring			
22	287 009 R1	SPRING, tower tiller lockout			
23		(Screw adjustment hole)			
24		(Screw adjustment hole)			
ST 596		BEARING, fairlead sheave (4)			
109 461		FITTING, lubrication, 1/8" (6)			
109 462		FITTING, lubrication			



IPA-67399

1	333 408 R3	BRACKET, LH mounting
	20 109 R1	SCREW, 1-1/4 x 3-3/4" hex-hd cap
	272 527	SCREW, 1-1/4 x 3-1/4" hex-hd cap (2)
	18 756 R1	SCREW, 7/8 x 5-3/4" hex-hd cap
	271 653	7/8 x 2-1/4" hex-hd cap SCREW (2)
2	333 409 R3	BRACKET, RH mounting
	20 109 R1	SCREW, 1-1/4 x 3-3/4" hex-hd cap
	272 627	SCREW, 1-1/4 x 3-1/4" hex-hd cap (2)
	18 756 R1	SCREW, 7/8 x 5-3/4" hex-hd cap
	271 657	7/8 x 2-1/4" hex-hd cap SCREW (2)

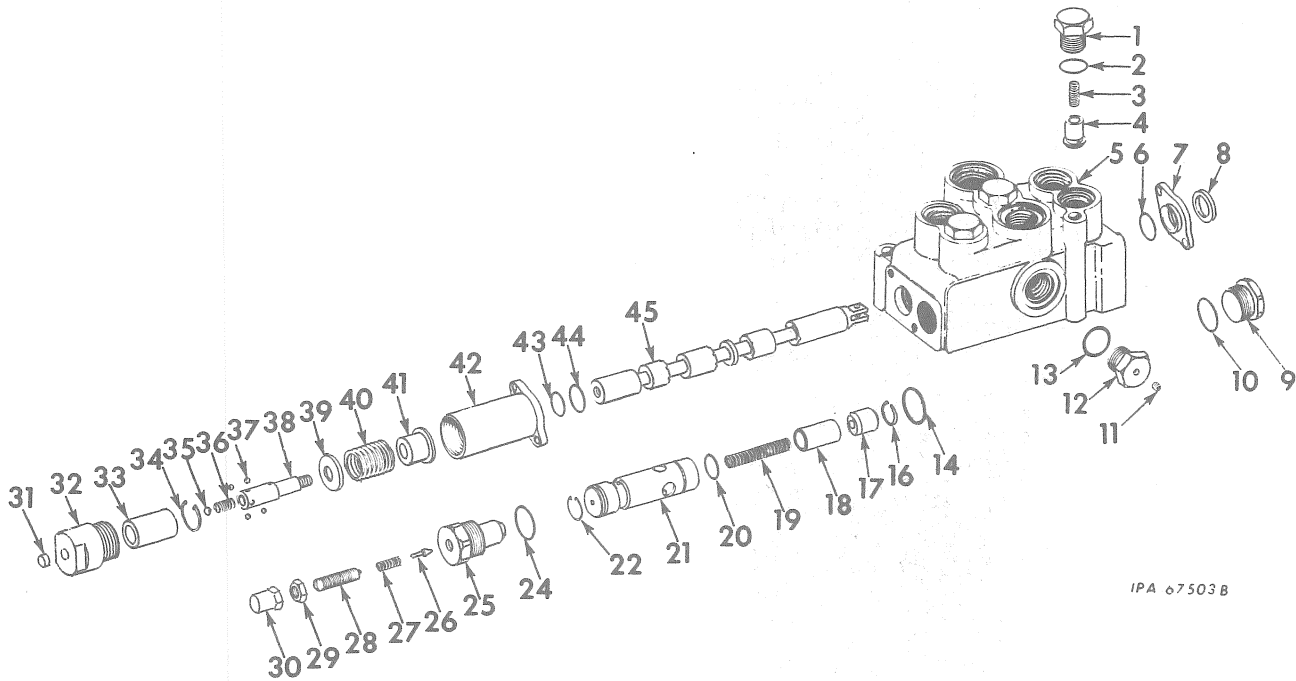
MEMORANDA

MODEL 2040 (SERIES C)
HYDRAULIC CONTROL UNIT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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HYDRAULIC CONTROL VALVE
(For use on TD-20C D-2 or G-2)
(Single Spool)

HYDRAULIC CONTROL VALVE - Continued
(For use on TD-20C D-2 or G-2)
(Single Spool)



IPA 67503B

	332 975 R94	VALVE ASSEMBLY, hydraulic (Single Spool)	20	343 900 R1	"O" RING (1-1/16 x 1-3/16 x 1/16")
9	413 956	1/2" stover lock NUT (3)	21	342 010 R3	HOUSING, pilot relief
	179 895	1/2 x 3-1/2" hex-hd cap SCREW (2)	22	342 007 R1	WIRE, pilot relief
	187 238	1/2 x 6" hex-hd cap SCREW (Consists of the following parts -	24	252 483 R1	"O" RING (1-1/4 x 1-1/2 x 1/8")
1	335 579 R1	CAP, valve (2)	25	342 327 R1	CAP, relief valve
2	296 247 R1	"O" RING (1.171 x 1.403 x .116") (2)	26	342 011 R2	POPPET
3	335 618 R1	SPRING, valve (2)	27	605 031 C1	SPRING
4	335 617 R1	PLUNGER, valve (2)	28	342 014 R1	SCREW, adjusting
5		Not Furnished Separately		116 105	17/32 x 1-1/16 x 13 ga copper WASHER (2)
6	350 818 R1	"O" RING (1 x 1-1/4 x 1/8")	29	114 496	NUT, 1/2NF jam
7	335 613 R1	PLATE, wiper	30	342 015 R1	COVER, adjusting screw
	179 818	5/16 x 1" hex-soc-hd cap SCREW (2)	31	376 429 R1	FILTER, bronze
8	277 181 R91	SEAL, wiper	32	335 595 R1	CAP
9	342 016 R1	PLUG, relief valve	33	342 019 R1	SLEEVE, detent
10	252 483 R1	"O" RING (1-1/4 x 1-1/2 x 1/8")	34	383 878 R1	RING, snap
11	444 612	PLUG, 1/8" pipe (2)	35	16 014 R1	BALL, 7/16" steel
12	335 633 R1	PLUG, port (2)	36	602 014 C1	SPRING, detent
13	307 915 R1	"O" RING (1.475 x 1.711 x .118") (2)	37	17 011 R1	BALL, 11/32" steel (4)
14	343 902 R1	"O" RING (1-1/4 x 1-3/8 x 1/16")	38	602 013 C1	PIN
16	342 008 R1	RING, poppet retaining	39	335 598 R2	SPACER, spring
17	342 005 R1	SEAT, valve	40	335 599 R2	SPRING, centering
18	342 006 R11	POPPET, relief	41	335 601 R1	HOLDER, spring
19	342 004 R1	SPRING, pilot relief			

MODEL 2040 (SERIES C)
HYDRAULIC CONTROL UNIT

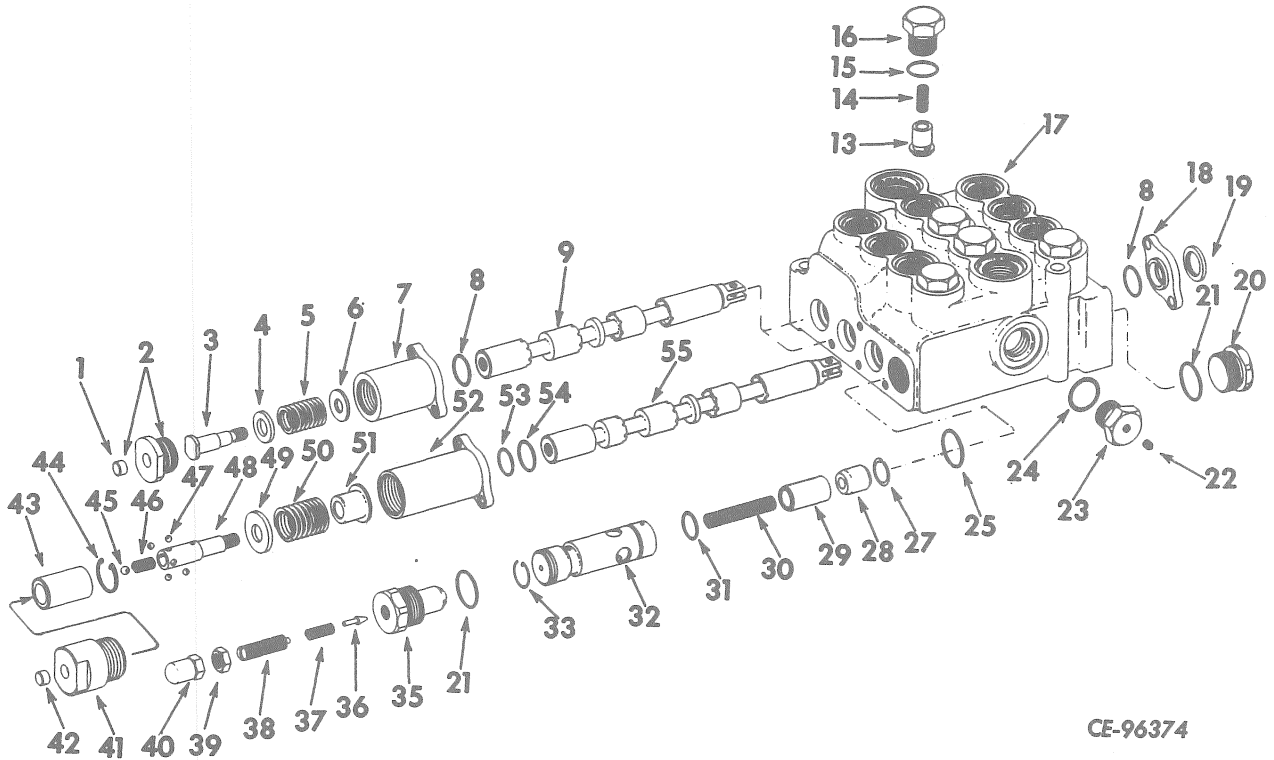
REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC CONTROL VALVE - Continued (For use on TD-20C D-2 or G-2) (Single Spool)		
42	602 881 C1 179 818	HOUSING, detent 5/16 x 1" hex-soc-hd cap SCREW (2)
43	350 818 R1	"O" RING (1 x 1-1/4 x 1/8")
44	347 070 R1	"O" RING (1-5/16 x 1-7/16 x 1/16")
45		Not Furnished Separately

MODEL 2040 (SERIES C)
HYDRAULIC CONTROL UNIT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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HYDRAULIC CONTROL VALVE
(For use on Model D2 w/Ripper with or without Tilt, G2 w/Ripper, or D2 w/Tilt)
(Triple Spool)

HYDRAULIC CONTROL VALVE - Continued
(For use on Model D2 w/Ripper with or without Tilt, G2 w/Ripper, or D2 w/Tilt)
(Triple Spool)



CE-96374

346 183 R92	VALVE ASSEMBLY, hydraulic (triple spool)	18	335 613 R1	PLATE, wiper (3)	
9 413 956	1/2" stover lock NUT (3)		179 818	5/16 x 1" hex-soc-hd cap SCREW (6)	
179 895	1/2 x 3-1/2" hex-hd cap SCREW (2)	19	277 181 R91	SEAL, wiper (3)	
187 238	1/2 x 6" hex-hd cap SCREW (Consists of the following parts -	20	342 016 R1	PLUG	
1	376 429 R1	FILTER, detent cap bronze (2)	21	252 483 R1	"O" RING (1-1/4 x 1-1/2 x 1/8") (2)
2	335 606 R11	CAP w/FILTER, 376 429 R1, detent (2)	22	444 612	PLUG, 1/8" pipe (2)
3	335 607 R1	PIN (2)	23	335 633 R1	PLUG, 1-1/4" port (2)
4	335 608 R2	SPACER (2)	24	307 915 R1	"O" RING (1.475 x 1.711 x .188") (2)
5	335 609 R1	SPRING, centering (2)	25	343 902 R1	"O" RING (1-1/4 x 1-3/8 x 1/16")
6	335 611 R2	SPACER (2)	27	342 008 R1	RING, poppet retaining
7	342 002 R1	HOUSING, detent (2)	28	342 005 R1	SEAT, valve
	179 818	5/16 x 1" hex-soc-hd cap SCREW (4)	29	342 006 R11	POPPET, relief
8	350 818 R1	"O" RING (1 x 1-1/4 x 1/8") (4)	30	342 004 R1	SPRING, pilot relief
9		Not Furnished Separately	31	343 900 R1	"O" RING (1-1/16 x 1-3/16 x 1/16")
13	335 617 R1	PLUNGER, valve (4)	32	342 010 R3	HOUSING, pilot relief
14	335 618 R1	SPRING, valve (4)	33	342 007 R1	WIRE, pilot relief
15	296 247 R1	"O" RING (1.171 x 1.403 x .116") (4)	35	342 327 R1	CAP, relief valve
16	335 579 R1	CAP, valve (4)	36	342 011 R2	POPPET, pilot
17		Not Furnished Separately			

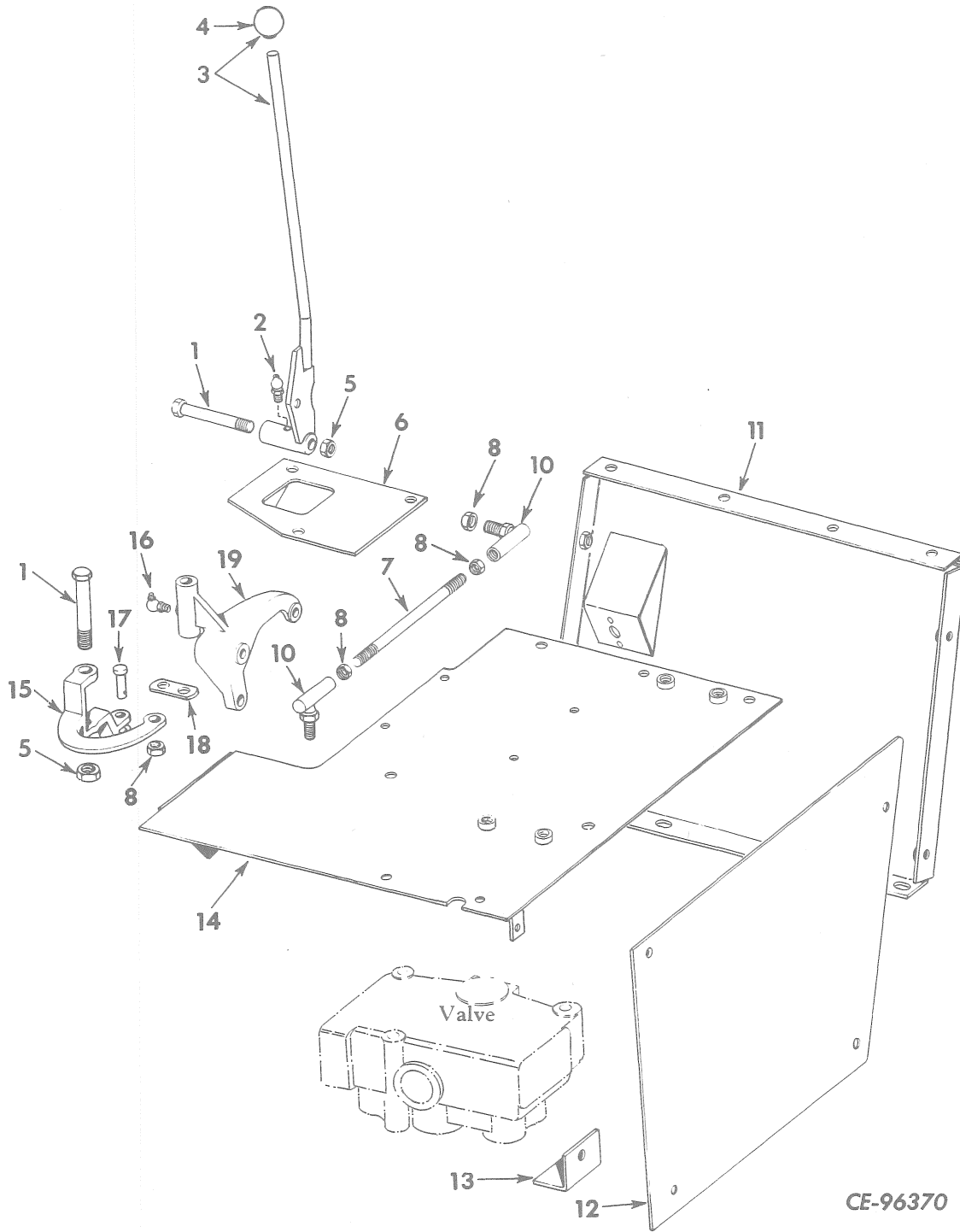
MODEL 2040 (SERIES C)
HYDRAULIC CONTROL UNIT

REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC CONTROL VALVE - Continued (For use on Model D2 w/Ripper with or without Tilt, G2 w/Ripper, or D2 w/Tilt) (Triple Spool)		
37	605 031 C1	SPRING
38	342 014 R1 116 105	SCREW, adjusting 17/32 x 1-1/16 x 13 ga copper WASHER (2)
39		NUT, 1/2NF jam
40	342 015 R1	COVER, adjusting
41	335 595 R1	CAP
42	376 429 R1	FILTER, bronze
43	342 019 R1	SLEEVE, detent
44	383 878 R1	RING, snap
45	16 014 R1	BALL, 7/16" dia. steel
46	602 014 C1	SPRING, detent
47	17 011 R1	BALL, 11/32" dia. (4)
48	602 013 C1	PIN
49	335 598 R2	SPACER, spring
50	335 599 R2	SPRING, centering
51	335 601 R1	HOLDER, .spring
52	602 881 C1 179 818	HOUSING, detent 5/16 x 1" hex-hd cap SCREW (2)
53	350 818 R1	"O" RING (1 x 1-1/4 x 1/8")
54	347 070 R1	"O" RING (1-5/16 x 1-7/16 x 1/16")
55		Not Furnished Separately

MODEL 2040 (SERIES C)
HYDRAULIC CONTROL UNIT

HYDRAULIC CONTROLS
(For Use With Single Spool Valve)

HYDRAULIC CONTROLS - Continued
(For Use With Single Spool Valve)



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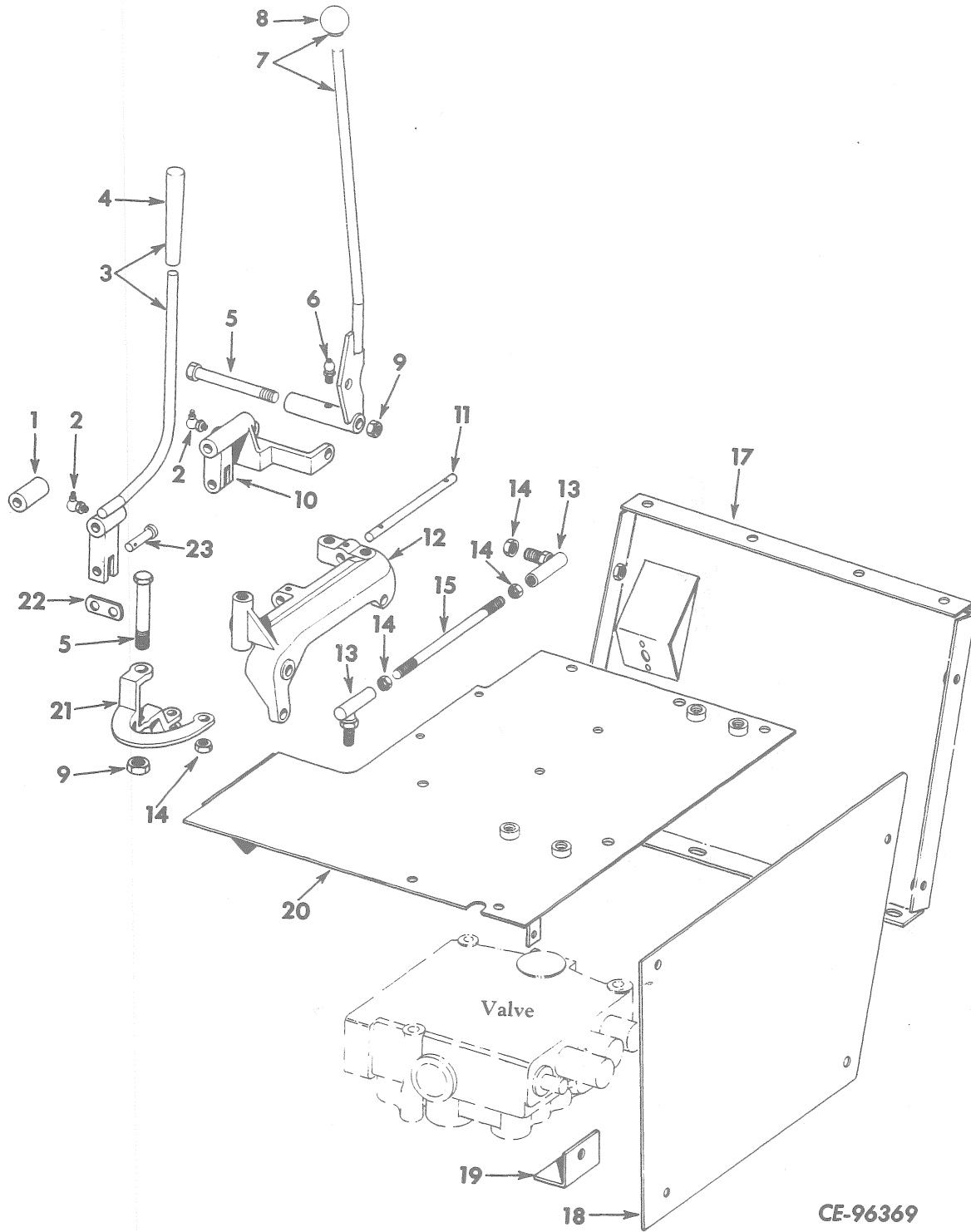
MODEL 2040 (SERIES C)
HYDRAULIC CONTROL UNIT

REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC CONTROLS - Continued (For Use With Single Spool Valve)		
1	333 795 R1	BOLT, 1/2NF x 3-15/16" (2)
2	126 152	FITTING, 1/4" straight lubrication
3	333 057 R91	CONTROL w/HANDLE, 264 097 R2, lift and tilt
4	264 097 R2	HANDLE, lift and tilt control
5	9 413 956	NUT, 1/2NF stover lock (2)
6	333 197 R91	BRACKET, control handle
	102 637	1/2" NUT (3)
	179 883	1/2 x 1-1/4" hex-hd cap SCREW (3)
	103 323	1/2" lock WASHER (3)
7	337 817 R1	STUD
8	9 413 956	NUT, 1/2NF stover lock (4)
10	333 805 R1	JOINT, ball (2)
11	602 056 C11	BRACKET, valve support
	102 635	3/8" NUT (2)
	102 637	1/2" NUT (3)
	179 883	1/2 x 1-1/4" hex-hd cap SCREW (3)
	179 839	3/8 x 1" hex-hd cap SCREW (2)
	103 323	1/2" lock WASHER (3)
	103 327	3/8" lock WASHER (2)
	103 341	13/32 x 13/16" x 16 ga WASHER (2)
	103 343	17/32 x 1-1/16" x 13 ga WASHER (3)
12	333 071 R1	PLATE, side cover
	179 839	3/8 x 1" hex-hd cap SCREW (4)
	103 327	3/8" lock WASHER (4)
	615 031 R1	WASHER, flat (4)
13	333 069 R1	ANGLE, side cover mounting
	102 637	1/2" NUT (2)
	179 883	1/2 x 1-1/4" hex-hd cap SCREW (2)
	103 323	1/2" lock WASHER (2)
14	602 803 C12	PLATE, top
	102 637	1/2" NUT (2)
	102 635	3/8" NUT (2)
	179 881	1/2 x 1" hex-hd cap SCREW (2)
	103 323	1/2" lock WASHER (4)
	179 837	3/8 x 3/4" hex-hd cap SCREW (2)
	179 885	1/2 x 1-1/2" hex-hd cap SCREW (2)
	103 327	3/8" lock WASHER (2)
	103 343	17/32 x 1-1/16" x 13 ga WASHER (4)
15	337 816 R2	BELLCRANK
16	109 462	FITTING, 1/8" x 90° lubrication (3)
17	103 496	PIN, 3/8 x 1-3/32" rod end (2)
	103 373	3/32 x 3/4" cotter PIN (2)
	103 341	13/32 x 13/16" x 16 ga WASHER
18	342 490 R1	LINK, valve control (4)
19	337 461 R3	BRACKET, control
	179 883	1/2 x 1-1/4" hex-hd cap SCREW (3)
	103 323	1/2" lock WASHER (3)

MODEL 2040 (SERIES C)
HYDRAULIC CONTROL UNIT

HYDRAULIC CONTROLS
(For Use With Triple Spool)

HYDRAULIC CONTROLS - Continued
(For Use With Triple Spool)



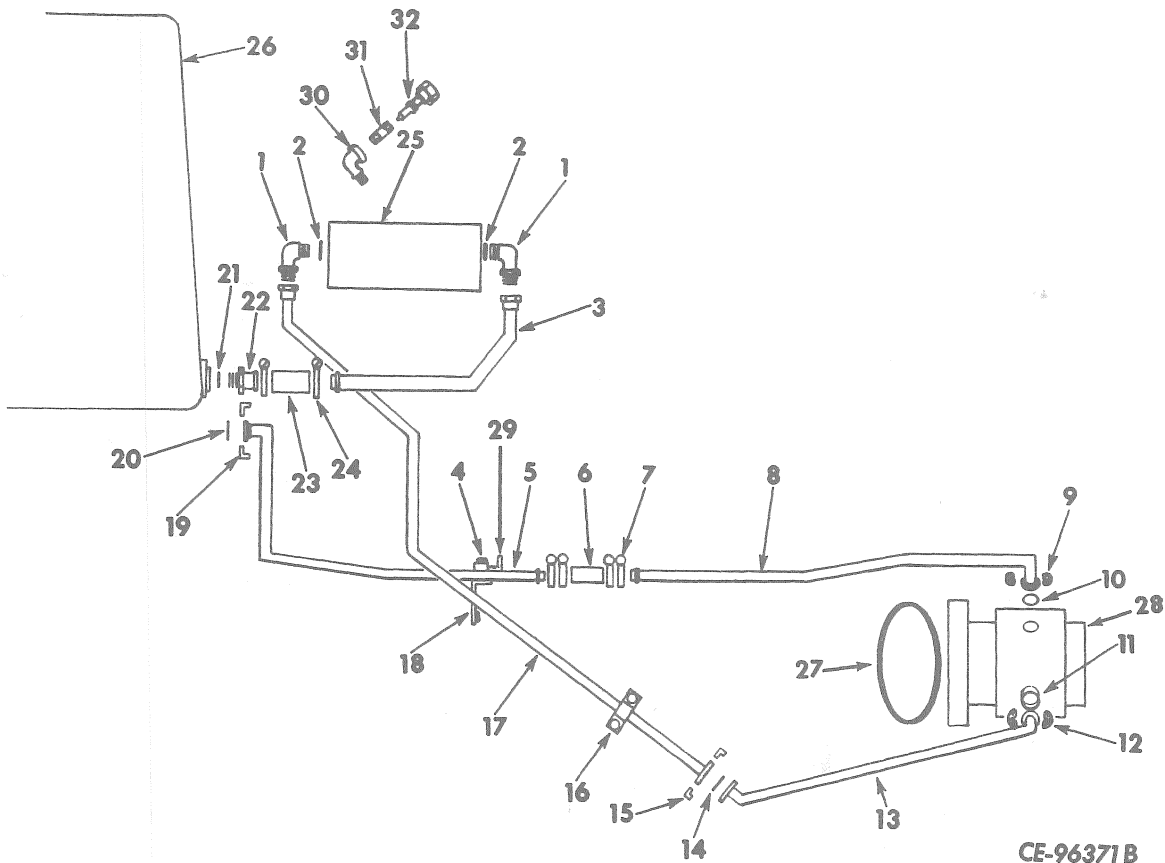
MODEL 2040 (SERIES C)
HYDRAULIC CONTROL UNIT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC CONTROLS - Continued (For Use With Triple Spool)			HYDRAULIC CONTROLS - Continued (For Use With Triple Spool)		
		Parts without letters after the description indicates the part is used for all controls listed below: Letters "A", "B" and "C" are used to identify separate controls or Attachments.	19	333 069 R1	ANGLE, side cover mounting (Control A and B)
				102 637	1/2" NUT (2)
				179 883	1/2 x 1-1/4" hex-hd cap SCREW (2)
				103 323	1/2" lock WASHER (2)
A-		2040 Hydraulic Control Unit (for use on Model D-2 equipped with ripper with or without tilt for Model G-2 with ripper)	20	602 803 C12	PLATE, top (Control A and B)
				102 637	1/2" NUT (5)
				102 635	3/8" NUT (2)
				179 881	1/2 x 1" hex-hd cap SCREW (3)
				179 885	1/2 x 1-1/2" hex-hd cap SCREW (2)
B-		2040 Hydraulic Control Unit (for use on Model D-2 equipped with tilt)		179 837	3/8 x 3/4" hex-hd cap SCREW (2)
				103 323	1/2" lock WASHER (5)
				103 321	3/8" lock WASHER (2)
C-	602 159 C91	ATTACHMENT, auxiliary control (For Power Shift) (See NOTE 3)		103 343	17/32 x 1-1/16" x 13 ga WASHER (4)
1	335 567 R1	SPACER (Control B)	21	337 816 R2	BELLCRANK (Control A and B)
2	109 462	FITTING, 1/8" x 90° lubrication (3 for control A; 2 for control B; 1 for Attachment C)	22	342 490 R1	LINK, valve control (12 for Control A; 8 for Control B; 4 for Attachment C)
3	335 556 R91	LEVER w/HANDLE, 619 405 C1 (Control A and C)	23	103 496	PIN, rod end (6 for Control A; 4 for Control B; 2 for Attachment C)
4	619 405 C1	HANDLE, ripper (Control A and C)		103 373	3/32 x 3/4" cotter PIN (6 for Control A; 4 for Control B; 2 for Attachment C)
5	333 795 R1	BOLT, 1/2NF x 3-15/16" (2 For Control A and B)		103 341	13/32 x 13/16" x 16 ga WASHER (3 for Control A; 2 for Control B; 1 for Attachment C)
6	126 152	FITTING, 1/4" straight lubrication (Control A and B)		333 800 R1	BOLT (2 for Control A and B)
7	333 057 R91	LEVER w/HANDLE, 264 097 R2, lift and tilt (Control A and B)			
8	264 097 R2	HANDLE, lift and tilt lever (Control A and B)			
9	9 413 957	NUT, 1/2NF stover lock (2 for Control A and B)			
10	337 815 R2	ARM, control (lift and tilt) (Control A and B)			
11	333 053 R1	SHAFT, main control (Control A and B)			
12	337 814 R3	BRACKET, control (Control A and B)			
	318 625 R1	BOLT, 1/2NF x 2-1/4" (2)			
	114 496	1/2NF jam NUT (2)			
	179 883	1/2 x 1-1/4" hex-hd cap SCREW (3)			
	103 323	1/2" lock WASHER (3)			
13	333 805 R1	JOINT, ball (2 for Control A and B)			
14	103 028	NUT, 1/2"NF (2 for Control A and B)			
15	337 817 R1	STUD (Control A and B)			
17	602 056 C11	BRACKET, valve support (Control A and B)			
	102 635	3/8" NUT (2)			
	102 637	1/2" NUT (3)			
	179 883	1/2 x 1-1/4" hex-hd cap SCREW (3)			
	179 839	3/8 x 1" hex-hd cap SCREW (2)			
	103 323	1/2" lock WASHER (3)			
	103 321	3/8" lock WASHER (2)			
	103 341	13/32 x 13/16" x 16 ga WASHER (2)			
	103 343	17/32 x 1-1/16" x 13 ga WASHER (3)			
18	333 071 R1	PLATE, side cover (Control A and B)			
		3/8 x 1" hex-hd cap SCREW (4)			
		3/8" lock WASHER (4)			
	615 031 R1	WASHER, flat (4)			

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

MODEL 2040 (SERIES C)
HYDRAULIC CONTROL UNIT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC TANK PIPING AND RELATED PARTS			HYDRAULIC TANK PIPING AND RELATED PARTS - Continued		



1	9 410 982	CONNECTOR, 90° tube (2)	12	290 045 R1	CLAMP-HALF
2	307 915 R1	"O" RING, 1.475 x 1.711 x .118" (2)	179 862	7/16 x 1-1/2" hex-hd cap SCREW (4)	
3	605 413 C91	TUBE, return line (for tractors equipped with single spool valve)	103 322	7/16" lock WASHER (4)	
3	605 414 C91	TUBE, return line (for tractors equipped with triple spool valve)	13	645 451 C1	HOSE w/FITTINGS, pump (pressure) (HOSE, 1-1/4" ID x 33" long including FITTINGS)
4	600 594 C1	CLAMP, suction tube	14	343 909 R1	"O" RING, 1-1/2 x 1-3/4 x 1/8"
	102 637	1/2" NUT (2)	15	290 045 R1	CLAMP-HALF, split flange (2)
	179 881	1/2 x 1" hex-hd cap SCREW (2)	179 862	7/16 x 1-1/2" hex-hd cap SCREW (4)	
	103 323	1/2" lock WASHER (2)	103 322	7/16" lock WASHER (4)	
5	645 399 C1	TUBE, suction (At Reservoir)	16	600 598 C1	CLAMP, tube
6	609 493 C1	HOSE, suction (2" ID x 7" long)	179 849	3/8 x 2-1/2" hex-hd cap SCREW (2)	
7	327 079 R91	CLAMP, suction hose (4)	103 321	3/8" lock WASHER (2)	
8	645 830 C1	TUBE, suction (At Pump)	103 341	13/32 x 13/16" x 16 ga WASHER (2)	
9	300 525 R1	CLAMP-HALF (2)	17	645 372 C1	TUBE, pressure (at valve)
	179 885	1/2 x 1-1/2" hex-hd cap SCREW (4)	18	600 593 C1	BRACKET, suction tube clamp
	103 323	1/2" lock WASHER (4)	179 866	7/16 x 2" hex-hd cap SCREW (2)	
10	343 923 R1	"O" RING, 2-1/4 x 2-1/2 x 1/8"	19	300 525 R1	CLAMP-HALF, split flange (2)
11	343 909 R1	"O" RING, 1-1/2 x 1-3/4 x 1/8"	179 885	1/2 x 1-1/2" hex-hd cap SCREW (4)	
			103 323	1/2" lock WASHER (4)	
			20	343 923 R1	"O" RING, 2-1/4 x 2-1/2 x 1/8"

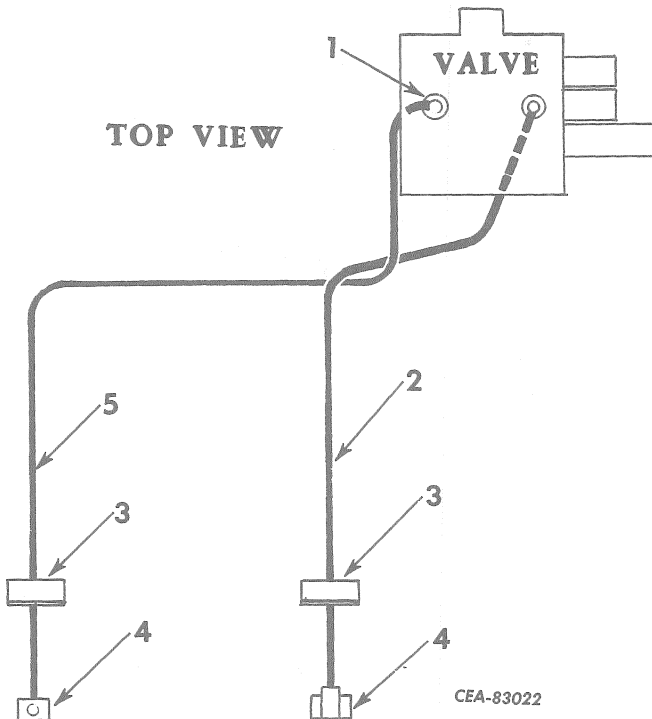
MODEL 2040 (SERIES C)
HYDRAULIC CONTROL UNIT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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HYDRAULIC TANK PIPING AND RELATED PARTS
- Continued

HYDRAULIC PIPING AND RELATED PARTS
(For use on TD-20C, D2 w/Ripper with or without Tilt or G2 w/Ripper)

21	307 915 R1	"O" RING, 1.475 x 1.711 x .118"
22	346 235 R1	CONNECTOR, tube
23	327 255 R1	HOSE, 1-1/2" ID x 6" long
24	327 257 R91	CLAMP, hose (2)
25		VALVE, hydraulic (for components see list of parts under details of "Hydraulic Control Valve")
26		TANK ASSY, hydraulic (for components see list of parts under details of "Hydraulic Tank")
179 839		3/8 x 1" hex-hd cap SCREW (3)
179 885		1/2 x 1-1/2" hex-hd cap SCREW (4)
103 321		3/8" lock WASHER (3)
103 323		1/2" lock WASHER (4)
106 265		9/16 x 1-3/8" x 12 ga WASHER (for shimming tank) (X)
27	343 927 R1	"O" RING, 5 x 5-1/4 x 1/8" (for mounting pump)
28		PUMP ASSY, hydraulic (For components see list of parts under details of "Hydraulic Pump")
271 559		5/8 x 1-5/8" hex-hd cap SCREW (2)
29	445 316 R91	CLAMP, converter to rear main frame vent tube
30	105 422	ELBOW, 1/8 x 90° street
31	105 404	NIPPLE, 1/8 x 3/4" pipe
32	342 775 R91	PLUG, quick disconnect
307 915 R1		"O" RING, cylinder port (1-1/2 x 1-3/4 x 1/8") (X)
9 410 363		PLUG, "O" RING (X)



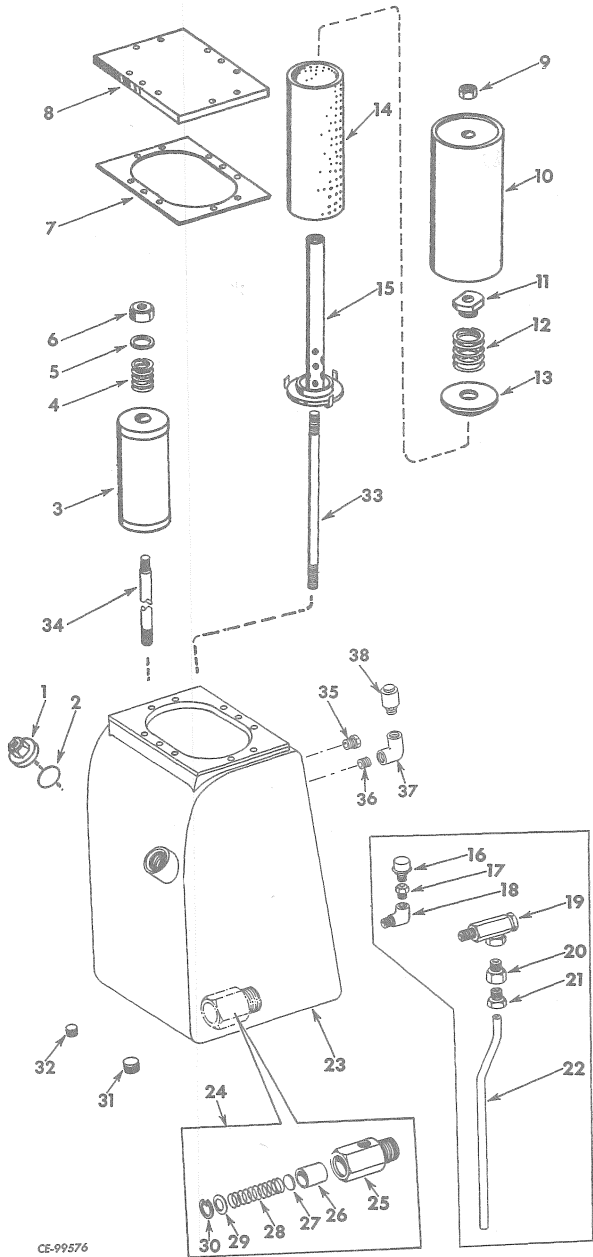
1	606 470 C1	CONNECTOR, 1" swivel (2)
2	645 398 C1	TUBE, head end (valve to lower port)
3	602 449 C1	CLAMP, tube (2)
	102 635	3/8" NUT (4)
	179 839	3/8 x 1" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
4	295 698 R1	CLAMP-HALF, split flange (4)
	179 841	3/8 x 1-1/4" hex-hd cap SCREW (8)
	103 321	3/8" lock WASHER (8)
5	645 397 C1	TUBE, rod end (valve to upper port)
	602 448 C1	BRACKET, tube support (2)
	102 635	3/8" NUT (4)
	179 839	3/8 x 1" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
	296 247 R1	"O" RING, 1.171 x 1.403 x .116" (for use with CONNECTOR, 9 410 207 or 606 470 C1) (2)
	343 906 R1	"O" RING, 1-5/16 x 1-9/16 x 1/8" (for use with PLUG, 603 517 C1) (2)
	603 517 C1	PLUG, flange (2)

(X) - As Required.

MODEL 2040 (SERIES C)
HYDRAULIC CONTROL UNIT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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HYDRAULIC TANK AND RELATED PARTS



HYDRAULIC TANK AND RELATED PARTS - Continued

1	294 118 R2	PLUG, hydraulic oil filler
2	253 172 R1	"O" RING (1.250 x 1.600 x .175")
3	336 527 R91	FILTER
4	250 567 R1	SPRING, suction strainer
5	103 343	WASHER, 17/32 x 1-1/16 x .095"
6	454 522 R1	NUT, lock (Esna)
7	335 776 R2	GASKET, cover
8	335 777 R1	COVER, tank
	179 840	SCREW, 3/8x1-1/8" hex-hd cap (10)
	103 341	WASHER, 13/32 x 13/16" x 16 ga (10)

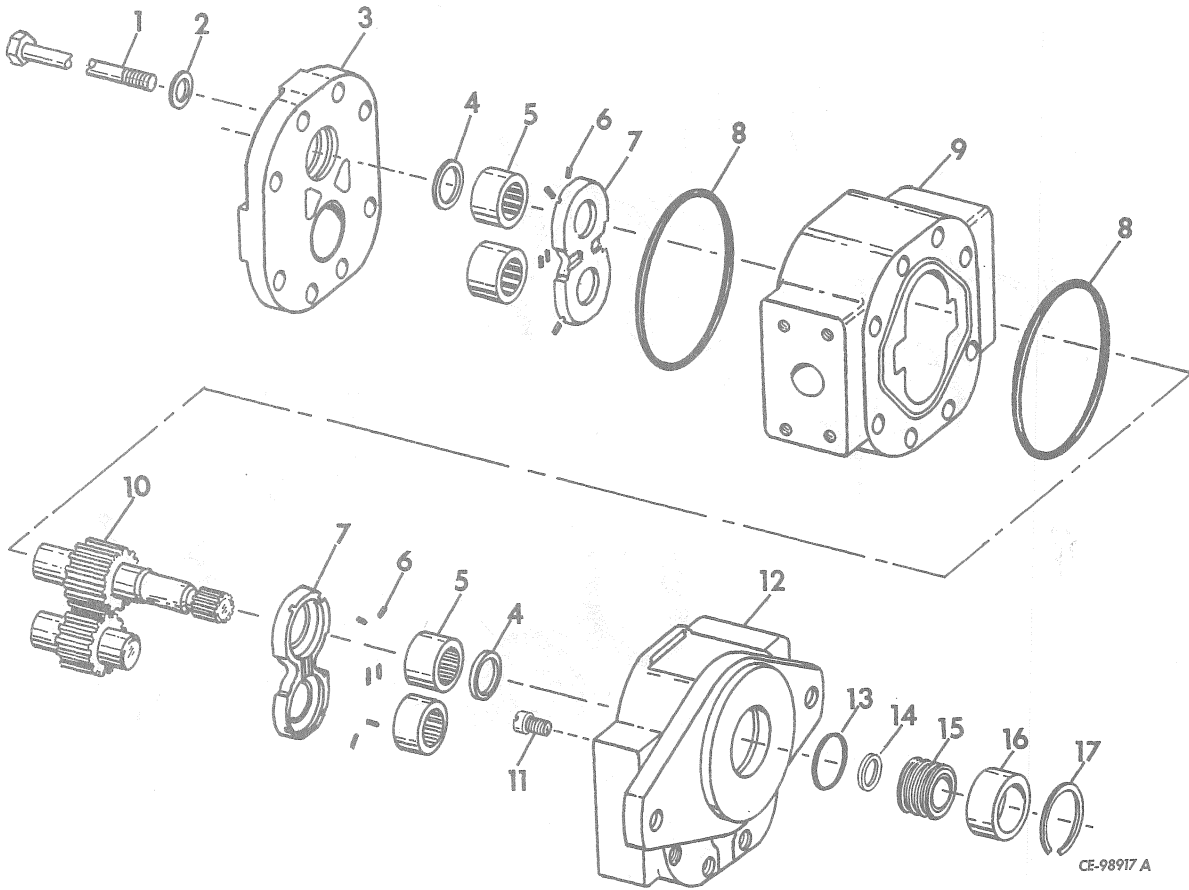
9	17 161 R1	NUT, lock (Esna)
10	335 778 R91	SHROUD
11	335 775 R1	RETAINER, spring
12	605 049 C1	SPRING, compression
13	335 770 R91	SUPPORT, filter
14	336 670 R5	FILTER, element
15	335 769 R92	BASE, filter
16	324 042 R91	FILTER, breather 25347 and below
17	338 811 R91	VALVE, check 25347 and below
18	444 040	ELBOW, 1/4" pipe 25347 and below
19	338 863 R91	VALVE, check 25347 and below
20	42 409 D	CONNECTOR, overflow tube 25347 and below
21	37 165 D	NUT, overflow tube connector 25347 and below
22	335 345 R1	TUBE, overflow 25347 and below
23	602 801 C92	TANK, hydraulic
	179 841	SCREW, 3/8 x 1-1/4" hex-hd cap (3)
	103 321	WASHER, 3/8" lock (3)
	179 885	SCREW, 1/2 x 1-1/2" hex-hd cap (4)
	103 323	WASHER, 1/2" lock (4)
	103 343	WASHER, 17/32 x 1-1/16" x 13 ga (4)
	103 341	WASHER, 13/32 x 13/16" x 16 ga (3)
	106 265	SHIM, 9/16" flat (x)
24	335 321 R92	VALVE ASSEMBLY, surge
25		HOUSING (Not Furnished Separately)
26	335 322 R2	POPPET
27	321 997 R1	SPACER (x)
28	328 253 R1	SPRING
29	103 347	WASHER, 15/16 x 1-3/4 x .134"
30	631 449 R1	RING, snap
31	273 469	PLUG, 3/4" NPT pipe
32	444 557	PLUG, pipe
33	335 764 R1	STUD, return tube filter (mounted on return tube in hydraulic tank)
34	335 768 R1	STUD, strainer
35	444 654	PLUG, 1/4 NPT 25348 and up
36	121 207	NIPPLE, 3/8 NPT x 1" long 25348 and up
37	217 984	ELBOW, 3/8 NPT x 3/4 NPT 25348 and up
38	657 882 C91	VALVE, pressure vacuum relief (also see KIT, 883 170 C91 for service) 25348 and up
299 902 R1		CLIP, overflow tube 25347 and below
	102 635	NUT, 3/8"
	179 839	SCREW, 3/8 x 1" hex-hd cap
	103 321	WASHER, 3/8" lock
	883 170 C91	KIT, seal repair (for VALVE 657 882 C91) (Consists of the following parts -
		§ 1 RING, lock
		§ 1 SEAL, fitter
		§ 1 SEAL, poppet
		§ 1 SEAL, sleeve)

(x) - As Required.

§ - Not Furnished Separately.

MODEL 2040 (SERIES C)
HYDRAULIC CONTROL UNIT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC PUMP (Commercial Shearing and Stamping)			HYDRAULIC PUMP - Continued (Commercial Shearing and Stamping)		



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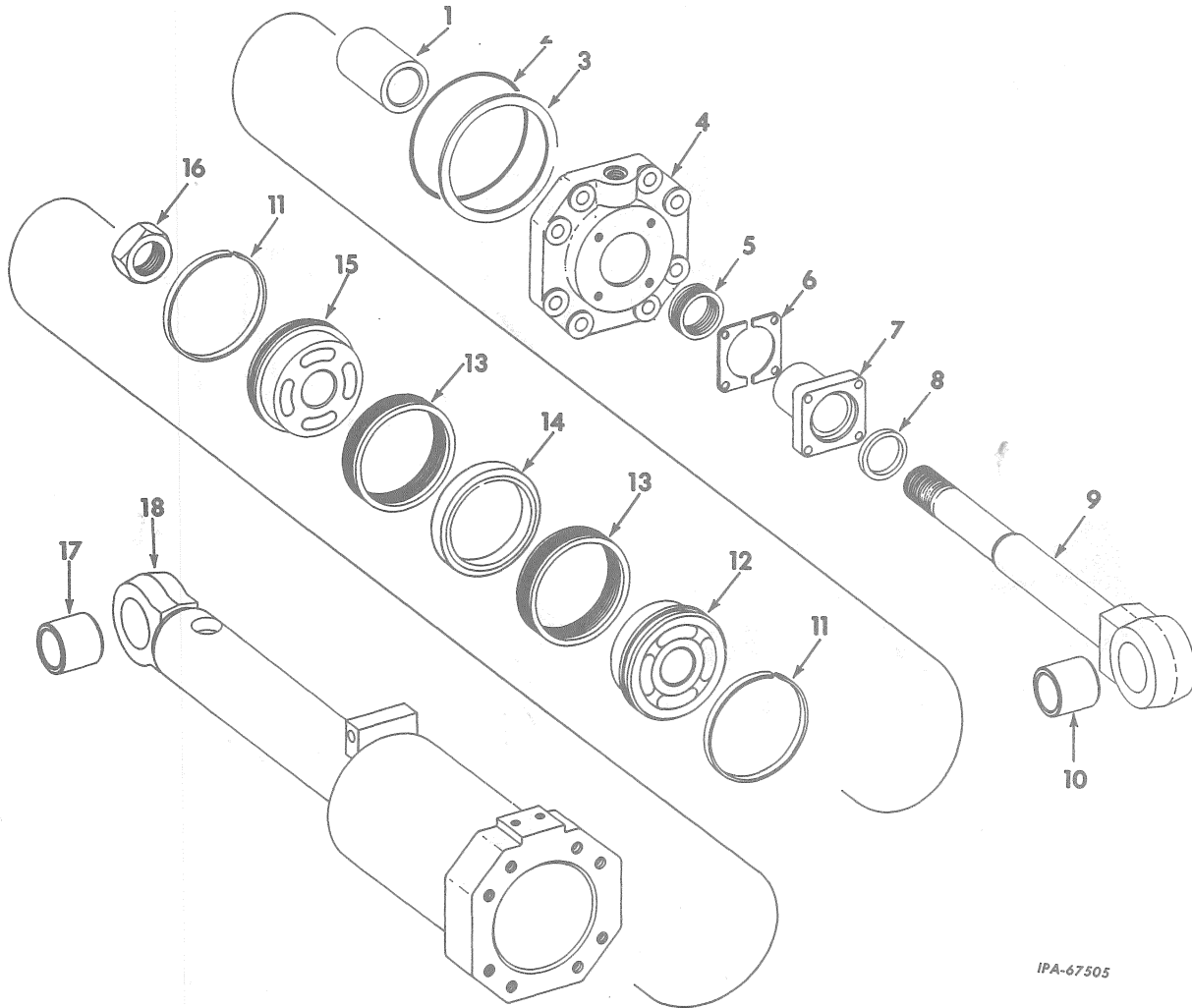
627 301 C91	PUMP ASSY, hydraulic	9	627 724 C1	HOUSING
271 559	SCREW, 5/8 x 1-5/8" hex-hd cap (2)	10	627 723 C1	SET, drive and driven gear
1	272 552 SCREW, 5/8-11 x 5-3/4 (8)	11	625 322 C1	PLUG
2	524 443 R1 WASHER (8)	12	627 717 C1	COVER, shaft end
3	627 718 C1 COVER, port end	13	366 581 R1	"O" RING, 2-5/8 x 2-13/16 x 3/32"
4	627 721 C1 SEAL SHAFT (2)	14	306 889 C91	SEAL, oil
5	306 880 C91 BEARING (4)	15	627 719 C1	SEAL, retainer
6	627 722 C1 SEAL, pocket (12)	16	627 720 C1	SPACER, seal
7	627 716 C1 PLATE, thrust (2)	17	659 676 R1	RING SNAP
8	252 556 R1 "O" RING, 5-1/4 x 5-1/2 x 1/8" (2)			

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MISCELLANEOUS
(For Tractor Equipment)

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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HYDRAULIC TILT
TILT CYLINDER

HYDRAULIC TILT
TILT CYLINDER - Continued



IPA-67505

	326 276 R91	CYLINDER ASSEMBLY, tilt		9	317 162 R91 ROD w/BUSHING, 290 290 R2, piston
1	317 169 R1	SPACER, piston rod	10	290 290 R2	BUSHING, piston rod
2	292 965 R1	"O" RING, 6 x 6-1/2 x 1/4"	11	294 495 R1	RING, piston wear (2)
3	606 419 C1	RING, back up	12	317 165 R1	PISTON, split front
4	326 277 R1	CAP, cylinder	13	317 167 R91	PACKING, piston (2)
	179 911	9/16 x 2-1/4" hex-hd cap SCREW (8)	14		Not Furnished Separately
5	317 226 R91	PACKING, piston rod chevron	15	317 165 R1	PISTON, split rear
6	317 228 R1	SHIM, cylinder cap packing gland (30)	16	18 545 R1	NUT, 1-1/4" elastic stop
7	317 230 R1	GLAND, cylinder cap packing	17	290 290 R2	BUSHING, cylinder housing
	179 889	1/2 x 2" hex-hd cap SCREW (4)	18	317 109 R91	HOUSING w/BUSHING, 290 290 R2,
	103 323	1/2" lock WASHER (4)			cylinder
8	290 061 R91	SEAL, piston rod dust			

MEMORANDA

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MISCELLANEOUS
(For Tractor Equipment)

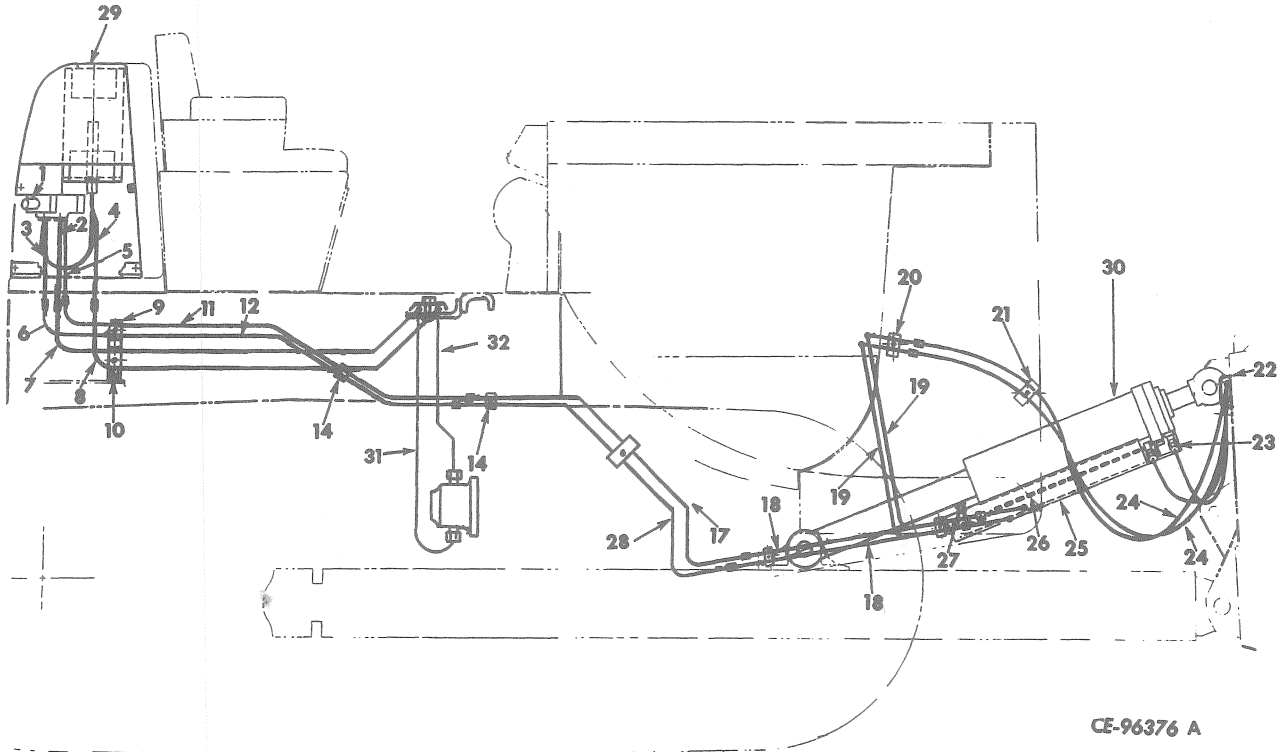
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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HYDRAULIC TILT

HYDRAULIC TILT

**HYDRAULIC PIPING AND RELATED PARTS
(Model 20C D-3)**

**HYDRAULIC PIPING AND RELATED PARTS - Continued
(Model 20C D-3)**



645 466 C91	ATTACHMENT, hydraulic tilt (See NOTE 2) (Consists of the following parts, also parts listed under "Housing Controls and Related Parts")	7	645 653 C1	TUBE, pressure
		8	645 655 C1	TUBE, suction
1	313 578 R91 VALVE, control (for components see list of parts under details of "Hydraulic Valve")	9	342 494 R22	BRACKET, tube, clamp
	102 635 3/8" NUT (3)		342 432 R2	CLAMP, tube (2)
	179 851 3/8 x 3" hex-hd cap SCREW (3)		102 635	3/8" NUT (2)
	103 321 3/8" lock WASHER (3)		179 845	3/8 x 1-3/4" hex-hd cap SCREW (2)
			103 321	3/8" lock WASHER (2)
2	600 642 C91 TUBE, pressure	10	600 648 C1	BRACKET, pump tube clamp
	315 044 R1 CONNECTOR, tube		342 432 R2	CLAMP, tube (2)
	297 459 R1 "O" RING, 1.048 x 1.280 x .116"		102 635	3/8" NUT (2)
3	342 236 R91 TUBE, valve to tank		179 845	3/8 x 1-3/4" hex-hd cap SCREW (2)
	128 003 BUSHING, 1 x 3/4" reducing (at tank)		103 321	3/8" lock WASHER (2)
	9 402 711 CONNECTOR, 3/4" (at tank)	11	600 645 C91	TUBE (at frame)
	315 044 R1 CONNECTOR (at valve)	12	600 644 C91	TUBE (at frame)
	297 459 R1 "O" RING, 1.048 x 1.280 x .116" (at valve)			
4	600 640 C91 TUBE, suction	14	323 284 R1	CLAMP, tube (7)
	9 402 713 CONNECTOR, 1" (at tank)		179 845	3/8 x 1-3/4" hex-hd cap SCREW (7)
5	602 805 C91 TUBE		103 321	3/8" lock WASHER (7)
	481 352 R1 CONNECTOR, tube		102 635	3/8" NUT (6)
	364 885 R1 "O" RING, .755 x .949 x .097"			
6	602 806 C91 TUBE			
	481 352 R1 CONNECTOR, tube			
	364 885 R1 "O" RING, .755 x .949 x .097"			

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

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MISCELLANEOUS
(For Tractor Equipment)

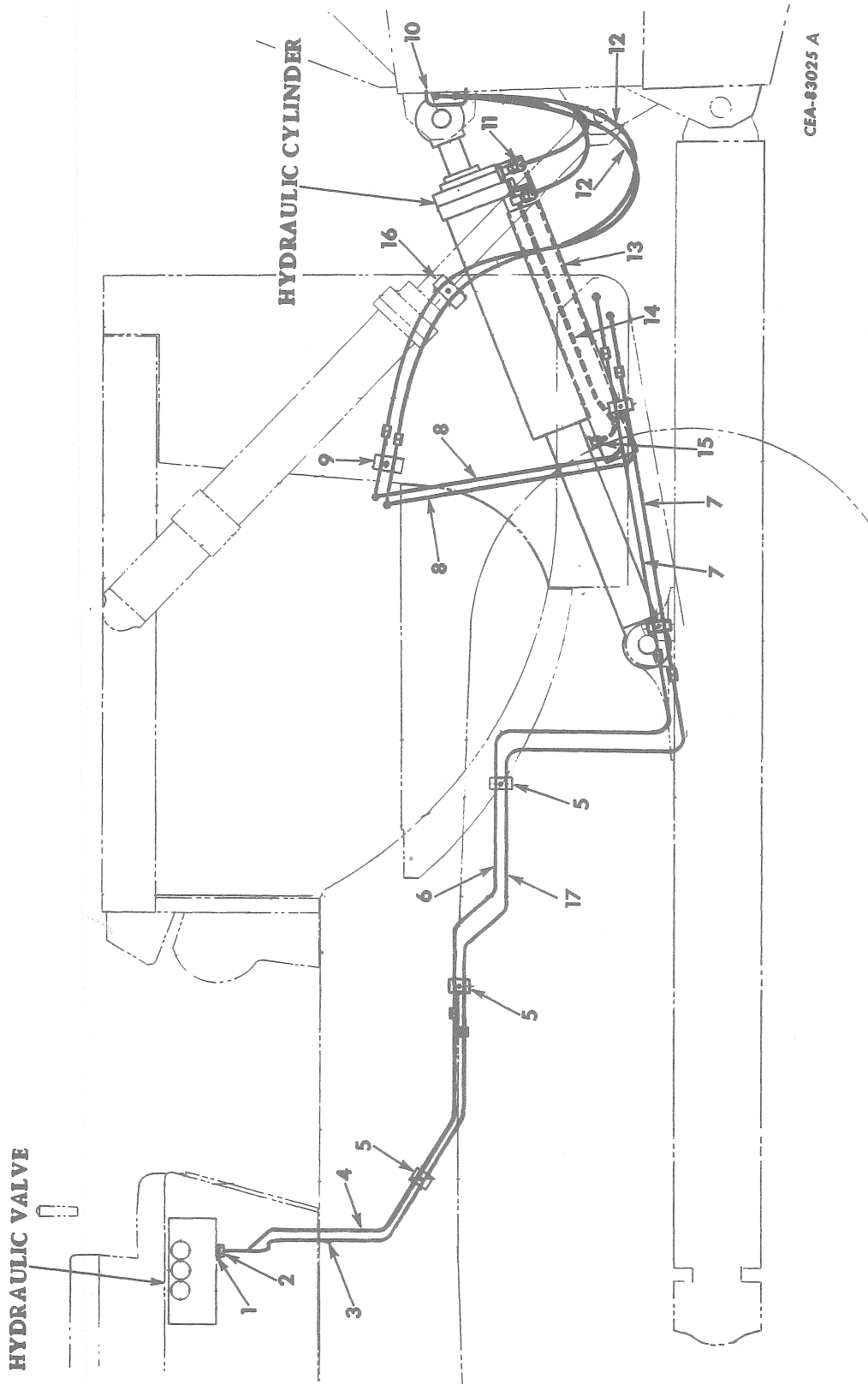
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC TILT			HYDRAULIC TILT		
HYDRAULIC PIPING AND RELATED PARTS - Continued (Model 20C D-3)			HYDRAULIC PIPING AND RELATED PARTS - Continued (Model 20C D-3)		
16	333 880 R91	PUMP, hydraulic (for components see list of parts under details of "Hydraulic Pump")	289 366 R1	COUPLING, 3/4 x 3/4 x 1" pipe	
	574 018 R1	CONNECTOR, pump suction	192 084	NIPPLE, 3/4 x 4-1/2" pipe	
9	410 205	CONNECTOR, 3/4" pump pressure	444 678	PLUG, 1" NPT pipe	
	252 735 R1	"O" RING, 5 x 5-1/4 x 1/8" pump attaching	342 443 R11	STICK, dip	
	368 269 R1	"O" RING, .924 x 1.156 x .116" connector sealing (2)	354 868 R93	STRAINER, oil reservoir	
	271 556	5/8 x 1-1/4" hex-hd cap SCREW (2)	324 658 R1	HOSE, 3/8" ID bulk (X)	
17	645 415 C1	TUBE, upper			
18	605 682 C91	TUBE (front - crossover) (2)			(X) - Order Cut Length As Required.
19	605 680 C91	TUBE, LH side (2)			
20	259 050 R1	CLAMP, tube			
	600 591 C1	SPACER			
	102 635	3/8" NUT			
	179 845	3/8 x 1-3/4" hex-hd cap SCREW			
	103 321	3/8" lock WASHER			
21	326 239 R1	CLAMP, tapped half			
	326 240 R1	CLAMP, drilled half			
	179 885	1/2 x 1-1/2" hex-hd cap SCREW			
	103 323	1/2" lock WASHER			
22	326 239 R1	CLAMP, tapped half (2)			
	326 241 R11	GUARD, hose			
	179 887	1/2 x 1-3/4" hex-hd cap SCREW (2)			
	103 323	1/2" lock WASHER (2)			
23	9 411 105	ELBOW, 3/4" x 45°			
	570 828 R1	"O" RING, .644 x .818 x .087"			
24	627 304 C91	HOSE w/FITTING, 324 695 R91 and FITTING, 603 925 C91, tube to cylinder (HOSE, 3/8" ID x 117" long including FITTINGS) (2)			
24		HOSE w/o FITTINGS, cut length 3/8" ID x 114" long cut from bulk HOSE, 324 658 R1			
	324 695 R91	FITTING, female swivel hose (2)			
	603 925 C91	FITTING, 90° female swivel hose (2)			
25	326 236 R11	GUARD, cylinder tube			
	187 201	1/2 x 4-3/4" hex-hd cap SCREW			
	102 637	1/2" NUT			
	103 323	1/2" lock WASHER			
	106 265	9/16 x 1-3/8" x 12 ga WASHER (2)			
26	326 278 R91	TUBE, cylinder			
	179 840	3/8 x 1-1/8" hex-hd cap SCREW (2)			
	103 321	3/8" lock WASHER (2)			
27	9 410 203	CONNECTOR, 3/4"			
	570 828 R1	"O" RING, .644 x .818 x .87"			
28	645 416 C1	TUBE, lower			
29	275 930 R91	RESERVOIR, hydraulic oil			
	179 837	3/8 x 3/4" hex-hd cap SCREW (4)			
	103 321	3/8" lock WASHER (4)			
30		CYLINDER ASSY, tilt (for components see list of parts details of Tilt Cylinder)			
31	645 652 C1	TUBE, pressure			
32	645 653 C1	TUBE, suction			

HYDRAULIC TILT

HYDRAULIC PIPING AND RELATED PARTS
(Model 20C D-2)

HYDRAULIC TILT

HYDRAULIC PIPING AND RELATED PARTS - Continued
(Model 20C D-2)



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MISCELLANEOUS
 (For Tractor Equipment)

REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC TILT		
HYDRAULIC PIPING AND RELATED PARTS - Continued (Model 20C D-2)		
	645 459 C91	ATTACHMENT, hydraulic tilt (see NOTE 2)
1	296 247 R1	"O" RING, 1.171 x 1.403 x .116" (2)
2	333 457 R1	CONNECTOR, straight boss (2)
3	600 585 C91	TUBE, inboard port valve
4	600 586 C91	TUBE, outboard port valve
5	323 284 R1	CLAMP, tube (6)
	600 591 C1	SPACER (6)
	179 845	3/8 x 1-3/4" hex-hd cap SCREW (6)
	103 321	3/8" lock WASHER (6)
6	645 415 C1	TUBE, upper
7	605 682 C91	TUBE, front crossover (2)
8	605 680 C91	TUBE, hydraulic cylinder - LH side (2)
9	259 050 R1	CLAMP, tube
	600 591 C1	SPACER
	102 635	3/8" NUT
	179 845	3/8 x 1-3/4" hex-hd cap SCREW
	103 321	3/8" lock WASHER
10	326 239 R1	CLAMP, tapped (2)
	326 241 R11	GUARD, hose
	179 887	1/2 x 1-3/4" hex-hd cap SCREW (2)
	103 323	1/2" lock WASHER (2)
11	9 411 105	ELBOW, 3/4 x 45°
	570 828 R1	"O" RING, .644 x .818 x .087"
12	619 583 C91	HOSE w/FITTING, 324 695 R91 and FITTING, 603 925 C91, tube to cylinder (HOSE, 3/8" ID x 102" long including FITTINGS) (2)
12		HOSE w/o FITTINGS, cut length 3/8" ID x 99" long cut from bulk HOSE 324 658 R1
	324 695 R91	FITTING, female swivel hose (Aeroquip No.4721-8-6) (2)
	603 925 C91	FITTING, 90° female swivel hose (Aeroquip No.190264-8-6) (2)
13	326 236 R11	GUARD, cylinder tube
	187 201	1/2 x 4-3/4" hex-hd cap SCREW
	102 637	1/2" NUT
	103 323	1/2" lock WASHER
	106 265	9/16 x 1-3/8" x 12 ga WASHER (2)
14	326 278 R91	TUBE, cylinder
	179 840	3/8 x 1-1/8" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
15	9 410 203	CONNECTOR, 3/4"
	570 828 R1	"O" RING, .644 x .818 x .087"
16	326 239 R1	CLAMP, tapped half
	326 240 R1	CLAMP, drilled half
	179 885	1/2 x 1-1/2" hex-hd cap SCREW
	103 323	1/2" lock WASHER
17	645 416 C1	TUBE, lower
	324 658 R1	HOSE, 3/8" ID bulk (X)

(X) - Order Cut Length As Required.

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

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MISCELLANEOUS
(For Tractor Equipment)

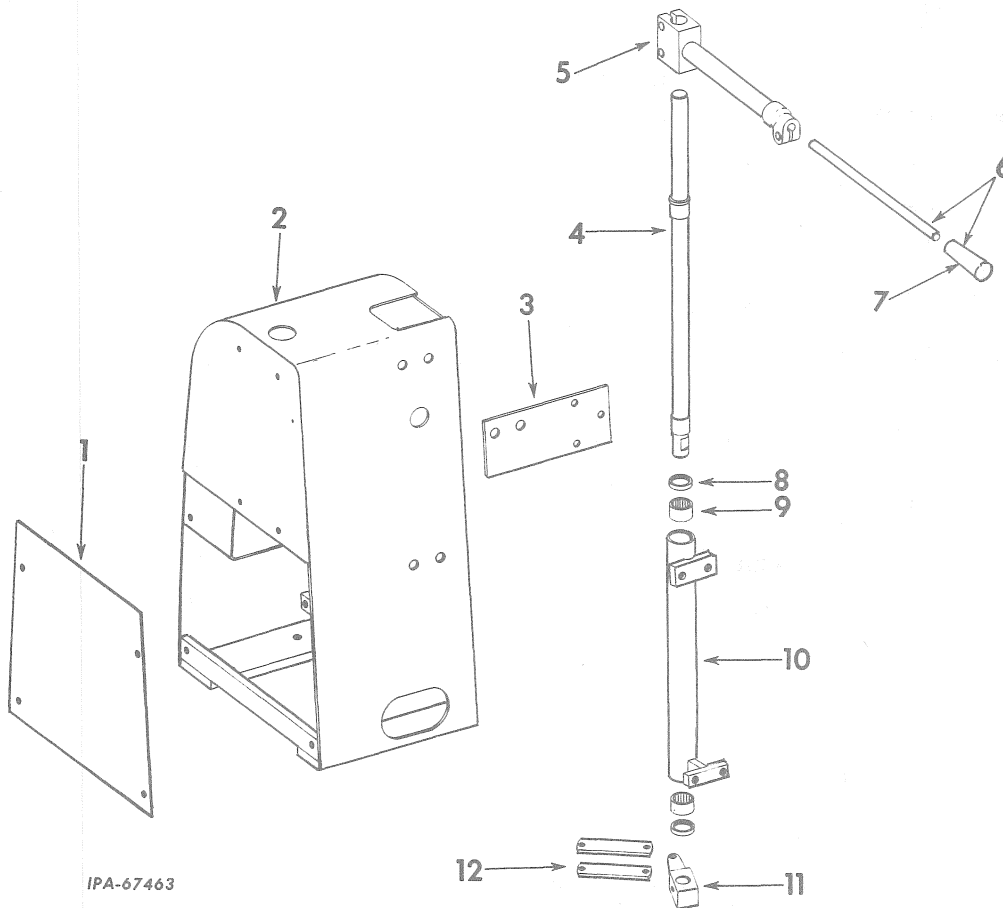
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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HYDRAULIC TILT

HOUSING CONTROLS AND RELATED PARTS
(For Model 20C D-3)

HYDRAULIC TILT

HOUSING CONTROLS AND RELATED PARTS - Continued
(For Model 20C D-3)



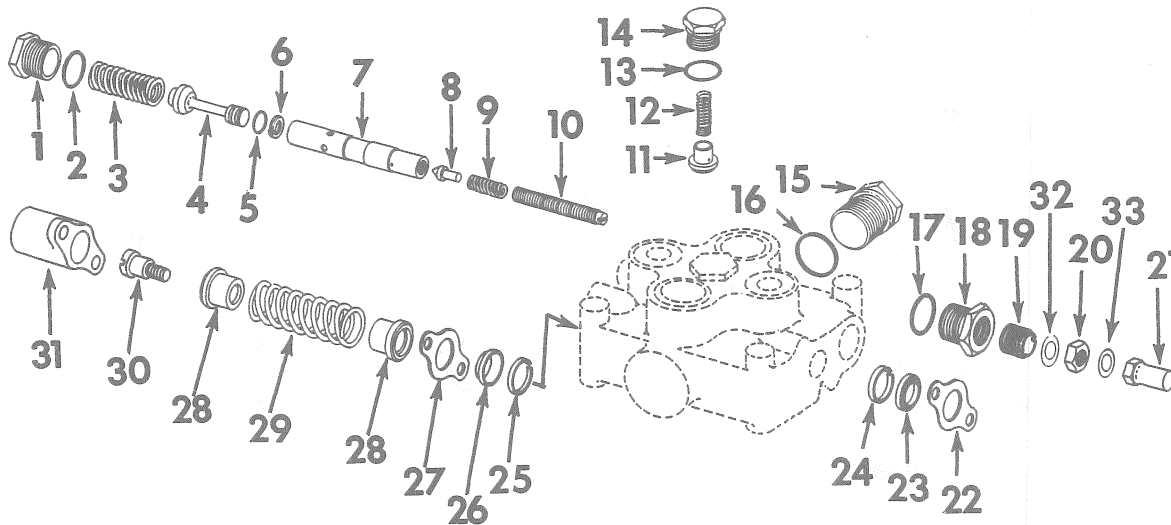
1	342 226 R1	COVER	8	287 058 R91	OIL SEAL, control shaft tube (2)
	179 837	3/8 x 3/4" hex-hd cap SCREW (4)	9	298 175 R91	BEARING, control shaft tube (2)
	103 321	3/8" lock WASHER (4)			
2	342 218 R11	HOUSING, tilt control	10	342 228 R11	TUBE, control shaft
	179 881	1/2 x 1" hex-hd cap SCREW (3)		102 637	1/2" NUT (2)
	103 323	1/2" lock WASHER (3)		179 883	1/2 x 1-1/4" hex-hd cap SCREW (2)
	103 343	17/32 x 1-1/16" x 13 ga WASHER (3)		103 323	1/2" lock WASHER (2)
3	342 239 R2	PLATE, tilt box mounting		103 343	17/32 x 1-1/16" x 13 ga WASHER (2)
	179 842	3/8 x 1-3/8" hex-hd cap SCREW (3)	11	342 237 R91	LEVER
	179 883	1/2 x 1-1/4" hex-hd cap SCREW (2)		295 535 R1	BOLT, 5/16" locking
	103 321	3/8" lock WASHER (3)		9 413 952	5/16" stover lock NUT
	103 323	1/2" lock WASHER (2)	12	342 235 R1	LINK, tilt control (2)
4	342 233 R11	SHAFT w/two RACE, 308 813 R1, tiller		103 495	PIN, rod end (2)
5	319 187 R91	LEVER, tiller		107 762	3/32 x 5/8" cotter PIN (2)
	102 639	5/8" NUT (2)		109 459	FITTING, 1/8" x 30° extra short lubrication
	271 564	5/8 x 2-1/2" hex-hd cap SCREW (2)		308 813 R1	RACE, tiller shaft (2)
6	293 808 R91	HANDLE w/GRIP, 619 405 C1, control			
	179 883	1/2 x 1-1/4" hex-hd cap SCREW			
	103 323	1/2" heavy lock WASHER			
7	619 405 C1	GRIP, handle			

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MISCELLANEOUS
(For Tractor Equipment)

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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HYDRAULIC TILT
HYDRAULIC VALVE
(Husco)

HYDRAULIC TILT
HYDRAULIC VALVE - Continued
(Husco)



IPA-60884 P

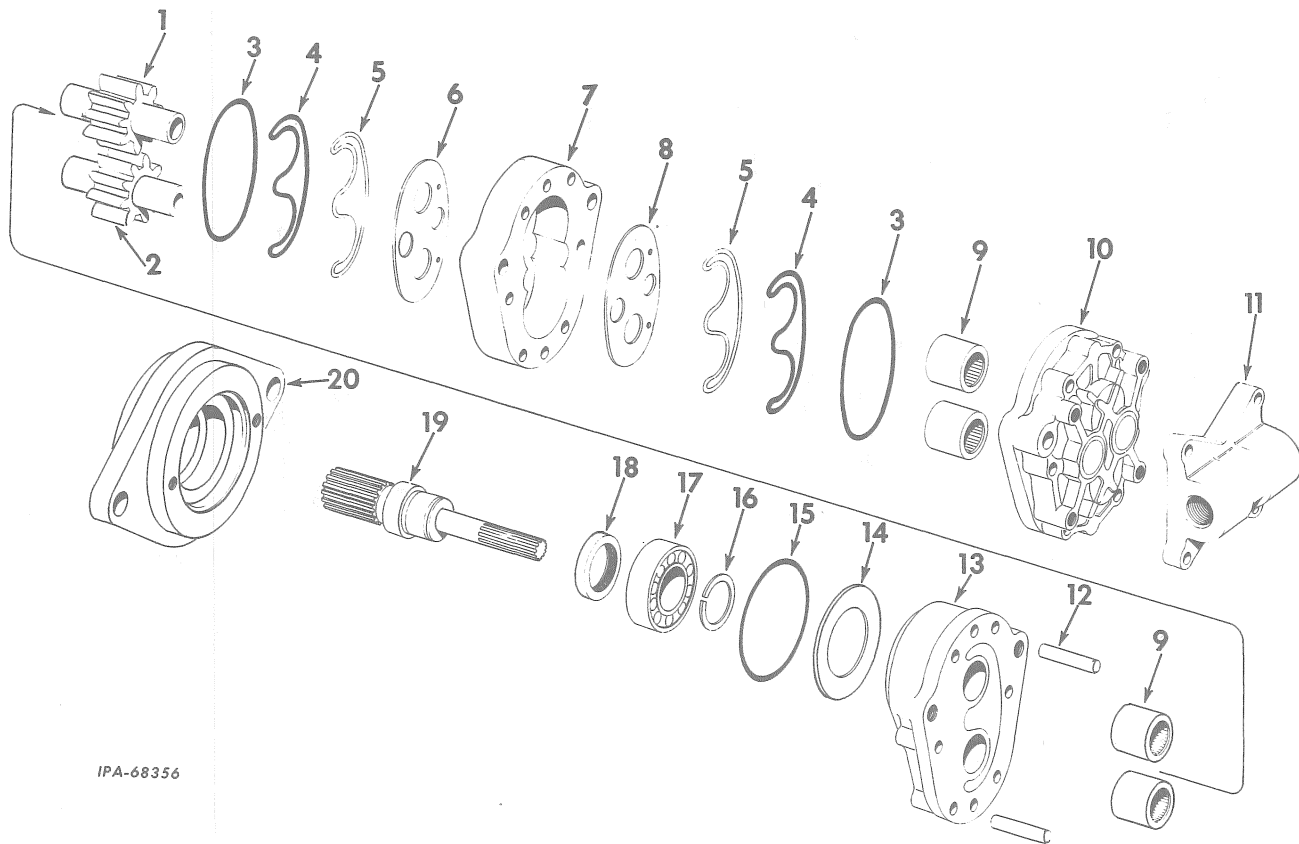
313 578 R91	VALVE ASSEMBLY, single plunger hydraulic (Consists of the following parts -	15	310 850 R1	PLUG, port (2)	
102 635	3/8" NUT (3)	16	297 459 R1	"O" RING, 7/8" tubing (2)	
179 851	3/8 x 3" hex-hd cap SCREW (3)	17	368 269 R1	"O" RING, 3/4" tubing	
103 321	3/8" lock WASHER (3)	18	310 815 R1	PLUG, relief valve pilot	
1	310 807 R1	PLUG, relief valve	19	310 814 R1	SLEEVE, adjusting screw
2	368 269 R1	"O" RING, 3/4" tubing	20	310 817 R1	NUT, adjusting screw lock
3	310 808 R1	SPRING, relief valve poppet	21	310 818 R1	NUT, adjusting screw castle
4	310 810 R1	POPPET, relief valve	22	310 798 R1	PLATE, seal (detent end)
5	355 967 R1	"O" RING, 1/2 x 3/8 x 1/16"	23	310 796 R1	SEAL and WIPER, oil (detent end)
6	310 811 R1	RING, back-up	24	310 797 R1	RING, seal support (detent end)
7	310 809 R1	SLEEVE, relief valve	25	310 797 R1	RING, seal support (eye end)
8	310 812 R1	POPPET, relief valve pilot	26	310 796 R1	SEAL and WIPER, oil (eye end)
9	310 813 R1	SPRING, relief valve pilot	27	310 798 R1	PLATE, float plunger seal (eye end)
10	310 816 R1	SCREW, relief valve adjusting		179 789	1/4 x 3/8" rd-hd slt mach SCREW (2)
11	310 819 R1	POPPET, check valve	28	310 822 R1	SEAT, standard plunger detent spring (2)
12	310 820 R1	SPRING, check valve poppet	29	310 823 R1	SPRING, standard plunger detent
13	364 885 R1	"O" RING, 5/8" tubing	30	310 824 R1	SCREW, standard plunger detent
14	310 821 R1	PLUG, check valve	31	310 825 R1	CAP, standard plunger detent
			179 796	1/4 x 7/8" hex-soc-hd mach SCREW (2)	
			32	175 683 H1	WASHER
			33	175 684 H1	WASHER

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MISCELLANEOUS
(For Tractor Equipment)

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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HYDRAULIC TILT
HYDRAULIC PUMP
(Webster)

HYDRAULIC TILT
HYDRAULIC PUMP - Continued
(Webster)



IPA-68356

	333 880 R91	PUMP, hydraulic (3YDSI-LT) (Consists of the following parts)		11	346 783 R1 MANIFOLD 179 818 5/16 x 1" hex-hd cap SCREW (4)
1	346 786 R1	GEAR, drive	12	346 788 R1	PIN, dowel (2)
2	343 538 R1	GEAR, idler	13	346 789 R91	BODY w/two BEARING, 142 292 H
3	215 748 H1	SEAL, retaining plate (2)	14	346 791 R1	WASHER, thrust
4	343 532 R1	RING, sealing (2)	15	346 798 R1	"O" RING, adapter (3-1/4 x 3-7/16 x 3/32")
5	343 531 R1	RING, back-up (2)	16	346 799 R1	RING, retaining
6	343 533 R1	PLATE, body wear	17	ST 213	BEARING, ball
7	346 787 R1	PLATE, gear	18	346 850 R91	OIL SEAL
8	343 534 R1	PLATE, cover wear	19	346 800 R1	SHAFT, drive
9	142 928 H	BEARING, needle (4)	20	346 790 R91	ADAPTER w/SEAL, 346 850 R91
10	346 785 R91	COVER w/two BEARING, 142 928 H			
	179 828	5/16 x 2-1/2" hex-hd cap SCREW (6)			
	186 285	3/8 x 4" hex-hd cap SCREW (2)			
	103 321	3/8" lock WASHER (2)			
					379 181 R1 "O" RING, cover (5/8 x 3/4 x 1/16") (2)

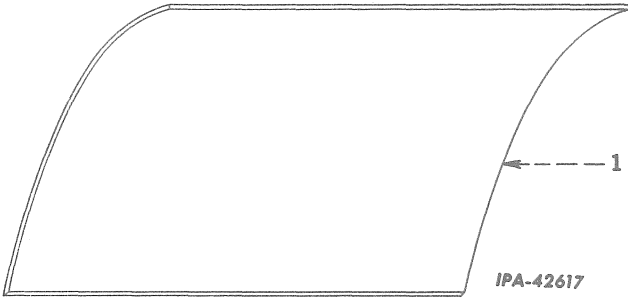
MISCELLANEOUS
(For Tractor Equipment)

REF. NO.	PART NUMBER	DESCRIPTION
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REF. NO.	PART NUMBER	DESCRIPTION
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PLATE, BLADE REINFORCING

PRODUCT GRAPHICS



- | | |
|--------------|------------------------------------------------------------------------------------------------------------------------------|
| 608 110 C91 | ATTACHMENT, blade reinforcing welded push plate (for use on TD-20 Series C Bulldozers, semi U blade) (See NOTES 1 and 2) |
| 333 519 R91 | ATTACHMENT, blade reinforcing welded push plate (for use on TD-20 Series C bulldozers, not semi U blade) (See NOTES 1 and 2) |
| 335 217 R91 | ATTACHMENT, blade reinforcing welded push plate (for use on TD-20 Series C bullgraders) (See NOTES 1 and 2) |
| 1 333 518 R1 | PLATE, blade mounted push (used with ATTACHMENT, 333 519 R91) |
| 1 335 216 R1 | PLATE, blade mounted push (used with ATTACHMENT, 335 217 R91) |
| 1 608 111 C1 | PLATE, blade reinforcing (used with ATTACHMENT, 608 110 C91) |

- | | |
|--------------|------------------------------------------------------------------------------------------------------|
| 1 001 402 R1 | PRODUCT GRAPHIC, oil level (for hi-mounted cable control unit) |
| 1 001 836 R1 | PRODUCT GRAPHIC, patent (for hi-mounted cable control unit) |
| 2 751 192 R1 | PRODUCT GRAPHIC, cable control unit brake band adjustment |
| 2 751 201 R1 | PRODUCT GRAPHIC, brake band adjusting (for hi-mounted cable control unit) |
| 2 752 632 R1 | PRODUCT GRAPHIC, brake band adjusting (for lo-mounted cable control unit) |
| 2 752 600 R1 | PRODUCT GRAPHIC, oil level (for lo-mounted cable control unit and Model 2040 hydraulic control unit) |
| 2 751 906 R1 | PRODUCT GRAPHIC, closed hydraulic system |
| 2 753 001 R2 | PRODUCT GRAPHIC, dozer control (triple spool valves) |
| 2 753 002 R2 | PRODUCT GRAPHIC, dozer, control (triple spool valves painted other than IH yellow) |
| 2 753 175 R2 | PRODUCT GRAPHIC, dozer control (single spool valves) |
| 2 754 077 R1 | PRODUCT GRAPHIC, shifter safety lock (for units painted yellow) |
| 2 754 078 R1 | PRODUCT GRAPHIC, shifter safety lock (for units painted other than yellow) |

NOTE 1 - Factory Application - Order on Machine Order Form.
NOTE 2 - Field Application - Order on Machine Order Form.

MEMORANDA

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		1 930 611	59	1 969 062	63	9 413 954	192
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		1 934 478	60	1 969 068	63	9 413 954	203
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132	178	1 945 478	59	1 971 702	62	9 413 956	206
134	178	1 945 479	59	1 971 703	62	9 413 956	207
136	178	1 945 484	58	1 971 704	62	9 413 956	230
138	178	1 945 490	61	1 971 705	62	9 413 956	232
140	178	1 945 496	58	1 996 496	65	9 413 956	235
195	178	1 945 500	58	7 451 782	62	9 413 957	237
735	177	1 945 506	58	9 402 706	141	9 413 960	190
735	178	1 945 518	59	9 402 706	148	9 413 960	191
861	178	1 946 765	59	9 402 709	89	9 413 962	201
24 895	22	1 947 262	58	9 402 711	141	9 414 397	59
27 611	135	1 948 515	59	9 402 711	148	9 414 418	61
38 273	60	1 948 519	59	9 402 711	244	9 415 235	60
600 658	64	1 948 520	60	9 402 713	145	9 416 488	37
650 121	158	1 948 521	60	9 402 713	244	9 417 501	60
800 065	61	1 948 522	58	9 402 714	145	9 418 881	62
800 066	61	1 948 526	60	9 402 745	164	9 419 392	62
800 146	61	1 948 529	58	9 402 828	146	9 419 392	63
801 077	59	1 948 536	59	9 402 831	145	9 421 423	59
801 208	61	1 948 537	59	9 402 864	31	9 421 425	65
811 912	61	1 948 656	61	9 402 868	141	9 421 427	59
812 410	61	1 948 659	61	9 402 868	145	9 421 427	61
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1 904 982	59	1 957 501	62	9 409 949	37		
1 905 014	59	1 958 137	56	9 409 949	221		
1 905 406	62	1 958 148	56	9 410 202	87	B	1 416 178
1 906 049	61	1 959 389	63	9 410 203	245	B	1 820 178
1 906 986	59	1 959 455	62	9 410 203	247	B	2 024 178
1 907 300	61	1 959 834	62	9 410 205	245	B	2 628 178
1 907 475	59	1 960 347	56	9 410 206	140	B	3 032 178
1 909 523	59	1 960 750	63	9 410 206	145	BP	32 177
1 911 644	59	1 961 323	63	9 410 206	147	BP	32 178
1 913 080	59	1 961 573	60	9 410 207	201		700 B 177
1 913 086	59	1 961 867	62	9 410 286	149		700 B 178
1 914 373	59	1 964 117	62	9 410 363	202		
1 914 580	59	1 964 353	62	9 410 363	203		
1 914 647	59	1 964 354	62	9 410 363	239		
1 914 869	59	1 964 682	62	9 410 976	87	C	
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1 916 336	62	1 968 229	61	9 411 105	247		255 816 C91 173
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1 921 805	59	1 969 042	63	9 412 305	59		256 402 C1 173
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258 079 C1	29	602 056 C11	235	604 872 C91	54	606 680 C93	20		
265 164 C91	37	602 056 C11	237	604 888 C11	164	606 819 C1	26		
265 204 C1	117	602 065 C1	220	604 922 C91	131	606 819 C1	31		
265 204 C1	118	602 066 C1	220	604 923 C91	131	606 819 C1	87		
265 205 C1	117	602 070 C11	208	604 924 C1	131	606 819 C91	117		
265 205 C1	118	602 079 C1	190	604 944 C91	166	606 819 C91	118		
288 219 C1	172	602 079 C1	191	605 031 C1	230	606 845 C1	26		
291 171 C1	13	602 159 C91	237	605 031 C1	233	606 845 C1	31		
299 410 C1	50	602 448 C1	239	605 049 C1	240	606 845 C1	74		
303 027 C1	33	602 449 C1	239	605 413 C91	203	606 845 C1	78		
306 880 C91	241	602 801 C92	240	605 414 C91	238	606 845 C1	117		
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311 164 C91	35	602 803 C12	237	605 605 C2	201	606 845 C1	148		
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342 006 R11	232	343 909 R1	201	346 798 R1	250	354 260 R1	53
342 007 R1	230	343 909 R1	238	346 799 R1	250	354 836 R1	95
342 007 R1	232	343 921 R1	201	346 800 R1	250	354 836 R1	114
342 008 R1	230	343 922 R1	135	346 821 R91	149	354 836 R1	149
342 008 R1	232	343 923 R1	238	346 822 R1	149	354 836 R1	182
342 010 R3	230	343 926 R1	205	346 822 R1	150	354 868 R93	245
342 010 R3	232	343 927 R1	74	346 844 R91	45	354 921 R1	29
342 011 R2	230	343 927 R1	78	346 850 R91	250	354 921 R1	41
342 011 R2	232	343 927 R1	181	347 070 R1	231	354 921 R1	44
342 014 R1	230	343 927 R1	239	347 070 R1	233	354 922 R1	22
342 014 R1	233	344 003 R1	18	347 089 R1	71	354 922 R1	41
342 015 R1	230	344 004 R1	15	347 089 R1	73	355 476 R1	160
342 015 R1	233	344 004 R1	18	347 089 R1	77	355 476 R1	163
342 016 R1	230	345 161 R91	44	347 089 R1	181	355 966 R1	87
342 016 R1	232	345 246 R1	17	347 090 R1	71	355 966 R1	103
342 019 R1	230	345 246 R1	41	347 090 R1	73	355 966 R1	182
342 019 R1	233	345 272 R2	13	347 090 R1	77	355 967 R1	87

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NUMERICAL INDEX

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355 967 R1	249	379 181 R1	182	631 191 R1	191	ST 201	78
356 005 R1	101	379 181 R1	250	631 255 R1	74	ST 201	183
357 210 R1	41	379 961 R1	151	631 449 R1	240	ST 213	70
357 210 R1	121	381 256 R91	11	631 530 R1	121	ST 213	250
357 218 R1	35	381 256 R91	150	631 994 R1	38	ST 264	209
358 111 R92	49	381 625 R1	150	641 207 R1	73	ST 266	73
358 111 R92	53	382 432 R1	135	641 207 R1	77	ST 266	77
358 566 R91	49	383 296 R1	155	659 676 R1	241	ST 274	213
358 566 R91	53	383 878 R1	230	671 999 R1	15	ST 274	223
358 566 R91	65	383 878 R1	233	708 560 R1	149	ST 286	37
360 610 R1	135	384 492 R1	85	708 560 R1	150	ST 295	110
362 120 R1	50	384 554 R1	164	843 797 R1	131	ST 596	206
362 120 R1	54	384 554 R1	172	876 296 R91	172	ST 596	207
362 120 R1	65	389 351 R1	171	884 387 R1	135	ST 596	217
362 122 R1	18	392 953 R1	150	897 365 R1	15	ST 596	227
362 122 R1	50	393 120 R1	131	911 776 R2	21	ST 596	228
362 122 R1	54	407 001 R1	35	914 455 R91	208	ST 717	74
363 444 R1	50	407 006 R1	33	914 455 R91	215	ST 717	78
363 444 R1	54	407 015 R1	33	914 455 R91	219	ST 972	129
364 257 R1	23	433 659 R1	153	914 455 R91	225	ST 2 045	129
364 257 R1	38	441 012 R1	123	915 499 R1	28		
364 257 R1	56	445 316 R91	239	915 499 R1	29		
364 257 R1	70	452 971 R1	121	915 499 R1	89		
364 437 R1	160	454 522 R1	100	915 499 R1	103	T	
364 839 R1	87	454 522 R1	116	915 499 R1	136		
364 879 R1	14	454 522 R1	124	915 499 R1	164		
364 879 R1	29	454 522 R1	135	915 500 R1	14	TP 24	177
364 885 R1	244	454 522 R1	215	915 500 R1	28	TP 24	178
364 885 R1	249	454 522 R1	225	915 500 R1	29		
366 460 R1	50	454 522 R1	240	915 500 R1	89		
366 460 R1	54	456 736 R1	37	915 500 R1	103		
366 460 R1	164	457 505 R1	47	915 500 R1	136	V	
366 581 R1	241	464 910 R91	36	915 500 R1	164		
368 269 R1	142	471 633 R1	150	939 323 R1	101		
368 269 R1	149	472 755 R1	141	954 476 R1	171	11 002 VA	137
368 269 R1	245	472 755 R1	145	999 677 R91	175	11 002 VA	139
368 269 R1	249	472 755 R1	148	1 001 402 R1	251	11 002 VA	146
368 372 R91	123	473 475 R1	70	1 001 836 R1	251	33 557 V	123
369 384 R1	101	474 906 R1	183	1 019 082 R1	184	33 558 V	166
369 751 R1	93	479 814 R1	27	2 750 764 R1	181	33 558 V	167
369 751 R1	109	481 352 R1	244	2 751 192 R1	251		
369 751 R1	182	484 667 R1	56	2 751 201 R1	251		
369 908 R1	95	518 568 R1	159	2 751 377 R2	181		
369 908 R1	99	518 568 R1	163	2 751 906 R1	251		
369 908 R1	111	524 443 R1	121	2 752 314 R1	181		
369 908 R1	114	524 443 R1	241	2 752 315 R1	181		
369 908 R1	151	525 841 R1	121	2 752 377 R1	181		
369 908 R1	182	553 050 R1	123	2 752 600 R1	251		
370 504 R1	70	557 273 R1	171	2 752 632 R1	251		
370 535 R1	29	557 274 R1	171	2 753 001 R2	251		
370 820 R1	50	560 164 R1	41	2 753 002 R2	251		
370 820 R1	54	560 172 R1	46	2 753 175 R2	251		
370 943 R1	93	564 808 R91	137	2 754 077 R1	181		
370 943 R1	109	564 808 R91	139	2 754 077 R1	251		
370 943 R1	182	564 808 R91	146	2 754 078 R1	181		
373 025 R1	168	570 828 R1	17	2 754 078 R1	251		
373 025 R1	169	570 828 R1	42	2 754 310 R1	181		
373 025 R1	170	570 828 R1	245	2 754 455 R1	172		
373 522 R1	25	570 828 R1	247	3 042 934 R1	150		
373 692 R1	121	570 879 R1	83	3 046 999 R1	17		
374 790 R1	173	574 018 R1	245	3 046 999 R1	37		
374 831 R1	29	574 069 R1	109				
374 831 R1	30	574 069 R1	182				
374 831 R1	45	575 812 R1	94				
376 219 R1	44	576 484 R1	121	S			
376 429 R1	101	611 361 R91	87				
376 429 R1	230	613 945 R91	137				
376 429 R1	232	613 945 R91	139	SS 83	177		
376 429 R1	233	613 945 R91	146	SS 83	178		
376 852 R91	49	615 031 R1	235	SS 123	177		
376 852 R91	54	615 031 R1	237	SS 123	178		
376 852 R91	164	617 937 R1	124	ST 201	70		
379 181 R1	109	631 191 R1	190	ST 201	74		

NEW AND DISPLACED PARTS LIST

NOTE: This list is prepared to assist distributor parts personnel in keeping their inventory records current.

The information on this sheet will not be covered in future revisions, so you may want to retain this copy. Future revisions will include new and displaced parts information for that revision only.

New and displaced parts listed below are new and displaced parts for applications shown on pages listed for this machine, not necessarily new and displaced for other applications for this machine or in the IH system.

The following is a list of new and displaced parts for the Model TD20C Parts Catalog, Form PC-TD20C-1 released since PC-TD20C Rev.1 dated 2-70.

PAGE NO.	NEW PART NUMBER	DISPLACED PART NUMBER	PAGE No.	NEW PART NUMBER	DISPLACED PART NUMBER
9	672 244 C91	--	34	628 406 C91	628 089 C91
9	--	672 108 C91	34	628 366 C91	--
13	291 171 C1	109 544 R1	35	407 001 R1	350 753 R2
15	341 209 R1	--	36	680 688 C1	671 242 C91
15	619 218 C1	--	37	ST 286	50 941 V
15	344 004 R1	--	37	609 462 C91	677 441 C91
20	672 311 C91	--	45	680 257 C1	*343 473 R11
22	657 373 C1	--	45	277 743 R1	--
22	628 416 C91	--	45	702 019 C1	346 883 R91
24	650 528 C91	703 109 C91	+49	--	--
24	279 038 R91	--	+50	--	--
24	407 006 C1	*672 438 C1	+51	--	--
24	625 747 C1	338 947 R91	54	650 142 C1	--
25	627 983 C1	--	66	650 280 C1	624 661 C1
26	618 688 C1	--	70	#625 628 C92	--
26	265 024 R1	--	74	326 650 R1	--
26	650 687 C91	--	75	628 127 C91	--
26	265 067 R1	--	75	628 128 C91	--
26	265 066 R1	--	78	327 058 R1	--
27	627 686 C1	--	78	625 742 C91	--
27	650 689 C91	--	78	625 743 C91	--
27	603 868 C1	--	78	654 088 C1	--
27	650 246 C91	--	78	654 092 C1	--
29	672 280 C91	--	78	654 089 C1	--
29	672 282 C91	673 173 C91	78	336 970 R1	--
30	#672 769 C91	--	78	654 090 C1	--
31	673 867 C1	--	78	269 916 R1	--
31	304 468 R1	--	78	ST 717	--
33	31 729 D	--	78	654 735 C1	--
33	627 317 C1	--	78	627 396 C1	--
33	627 320 C1	--	78	631 255 C1	--
33	627 321 C1	--	79	#625 000 C91	--
33	627 322 C1	--	79	654 736 C91	--
33	627 324 C1	--	82		620 240 C91
33	628 112 C1	--	82		620 247 C91
33	627 326 C1	--	83	603 284 C1	603 246 C1
33	624 779 C91	--	85	#622 325 C91	--
33	627 319 C1	--	+87	--	--

+ - All part numbers are new for this page.

* - For ordering procedure for displaced part shown, refer to this catalog.

- Detail parts for this assembly or attachment are all new and are listed on the page shown in this revision.

NEW AND DISPLACED PARTS LIST

The following is a list of new and displaced parts for the Model TD20C Parts Catalog,
Form PC-TD20C-1 released since PC-TD20C Rev. 1 dated 2-70

PAGE NO.	NEW PART NUMBER	DISPLACED PART NUMBER	PAGE NO.	NEW PART NUMBER	DISPLACED PART NUMBER
+88	--	--	134	659 607 C91	*628 051 C91
+89	--	--	135	659 608 C91	*616 129 C21
90	624 596 C91	--	135	612 784 C93	*612 784 C92
93	#656 108 C91	--	135	285 724 R1	--
94	#656 036 C91	--	135	628 291 C1	--
+95	--	--	+137	--	--
+96	--	--	+138	--	--
+98	--	--	+139	--	--
+99	--	--	+140	--	--
+100	--	--	+141	--	--
103	334 664 R1	334 644 R1	+142	--	--
103	347 802 R91	627 179 C91	145	656 531 C92	336 503 R91
110	627 407 C1	--	145	472 755 R1	875 239 C1
110	627 406 C1	--	145	702 062 C91	625 725 C91
110	327 405 C1	--	145	9 410 979	--
111	627 403 C91	*627 184 C91	+147	--	--
111	627 404 C1	--	+148	--	--
111	325 639 R2	*325 639 R1	+149	--	--
111	369 908 R1	--	150	3 042 934 R1	343 912 R1
114	654 035 C2	654 035 C1	150	471 633 R1	615 444 C1
116	286 485 R1	--	150	619 809 C92	--
116	654 052 C2	--	150	338 835 R1	--
116	654 045 C1	331 395 R1	150	392 953 R1	--
116	654 044 C1	331 394 R1	150	619 815 C1	--
116	--	325 622 R1	150	381 625 R1	--
116	--	334 715 R1	153	650 514 C1	--
117	--	*611 007 C11	153	650 634 C1	--
117	--	*611 006 C11	153	650 635 C1	--
117	628 202 C91	624 994 C91	153	--	610 210 C91
117	606 819 C91	606 673 C1	153	--	336 613 R91
117	628 387 C1	350 667 R1	153	--	650 138 C1
+118	--	--	155	650 273 C1	--
121	650 265 C1	--	156	650 263 C1	--
121	373 692 R1	324 110 R1	156	650 269 C1	--
123	650 256 C91	--	156	650 270 C1	--
123	650 257 C91	--	156	650 261 C1	--
124	624 460 C1	334 085 R11	156	331 195 R91	--
124	624 457 C1	325 313 R1	156	624 519 C91	--
124	624 459 C91	--	158	650 344 C91	--
124	624 461 C1	--	160	#628 197 C91	--
124	625 361 C1	--	164	650 530 C91	628 101 C91
124	625 360 C91	--	164	262 856 R1	--
129	628 220 C91	--	+171	--	--
131	393 120 R1	331 710 R2	180	650 382 C91	--
134	659 606 C91	*628 050 C91	+183	--	--

+ - All part numbers are new for this page.

* - For ordering procedure for displaced part shown, refer to this catalog.

- Detail parts for this assembly or attachment are all new and are listed on the page shown in this revision.

NEW AND DISPLACED PARTS LIST

The following is a list of new and displaced parts for the Model TD20C Parts Catalog,
 Form PC-TD20C-1 released since PC-TD20C Rev.1 dated 2-70.

PAGE NO.	NEW PART NUMBER	DISPLACED PART NUMBER	PAGE NO.	NEW PART NUMBER	DISPLACED PART NUMBER
+184	--	--			
239	342 775 R91	--			
240	657 882 C91	--			
240	883 170 C91	--			
241	#627 301 C91	--			
245	574 018 R1	343 824 R1			

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