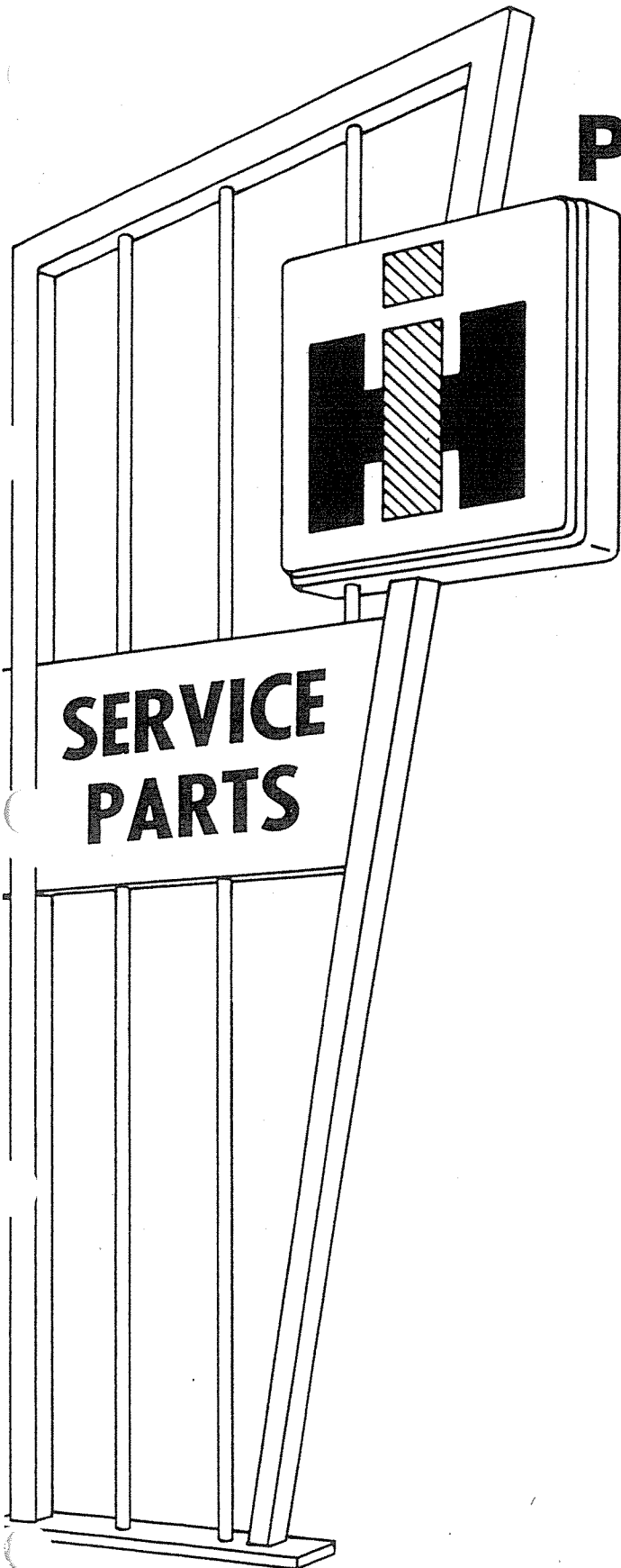


# PARTS CATALOG



## Model 150 Loader TC-93B

3 IN UNITED STATES OF AMERICA

INTERNATIONAL HARVESTER COMPANY • 401 NORTH MICHIGAN AVE. • CHICAGO, ILLINOIS 60611, U. S. A.



Due to a continuous program of research and development, some procedures, specifications and parts may be altered in a constant effort to improve machines.

Periodic revisions may be made to this publication and mailed automatically to distributors. It is recommended that customers contact their distributor or dealer for information on the latest revision.

# **MODEL 150 LOADER**

**FORM  
TC-93B**

**MAY, 1966**

*(Includes Partial Rev. No. 8 Dated 11-71)*

*(Supersedes FORM TC-93, and TC-93A  
which should be destroyed)*

# The Importance of ADEQUATE PARTS and SERVICE

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

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

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

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

When in need of parts, always give the International Construction Equipment distributor or dealer your serial numbers. We suggest that you write these serial numbers in the spaces provided below, for ready reference when parts are required.

Chassis Serial No. \_\_\_\_\_  
(Stamped on nameplate on dash also on upper right hand side near rear face of rear main frame)

Engine Serial No. \_\_\_\_\_  
(Stamped on right hand side of engine to the front and above fuel injection pump)

## INSTRUCTIONS FOR ORDERING PARTS

- (a) All parts orders should be sent to the control district office or parts depot when so instructed. Give complete address, state the county and railroad station (when shipping point is different than post office), also whether shipment is to go by parcel post, express, truck, or freight.
- (b) When ordering parts, give the IH part number, including suffix or prefix letters. To facilitate identification of these parts, "Complete Serial Numbers" (including letters and numerals) assigned to machines, if any, should be furnished.
- (c) Parts should be ordered on the standard parts order blank. The parts should be arranged in sequence by part numbers to facilitate service on orders at the parts depot.
- (d) Claims for shortage or error in the handling of an order for parts must be made upon receipt of goods.

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

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

## INTRODUCTION

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

### LOADERS

MODEL 150	Manual Shift
MODEL 150	Power Shift

The MODEL 150 Manual Shift Loader has a six-cylinder 3-11/16 x 4.390 inch (DT-282) turbocharged diesel engine.

The MODEL 150 Power Shift Loader has a six-cylinder 3-11/16 x 4.390 inch (D-282) naturally aspirated diesel engine.

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 when the part is listed.

NOTE - Refer frequently to the Index to Units to save time in 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 ASSEMBLY, valve lever. Parts not shown in illustrations 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.

MANUFACTURERS PART NUMBERS ARE LISTED IN BRACKETS FOLLOWING THE DESCRIPTION OF THE PART.

(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 one of the following methods.

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

(b) When four or more parts are contained in the assemblies or attachments the listing of components immediately follows the description with the wording "(Composed of-)."

(c) Assemblies or attachments consisting of many parts 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

INTRODUCTION - Continued

listed with a notation giving the information which is to be used for ordering.

(6) REVISIONS. Due to a continuous program of research and development, some procedures, specifications and parts may be altered in a constant effort to improve machines.

Periodic revisions may be made to this publication and mailed automatically to distributors. It is recommended that customers contact their distributor or dealer for information on the latest revision.

(7) 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

(8) ABBREVIATIONS. The abbreviations used in this catalog are explained in the list of abbreviations on page 3.

(9) SERIAL NUMBERS.

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

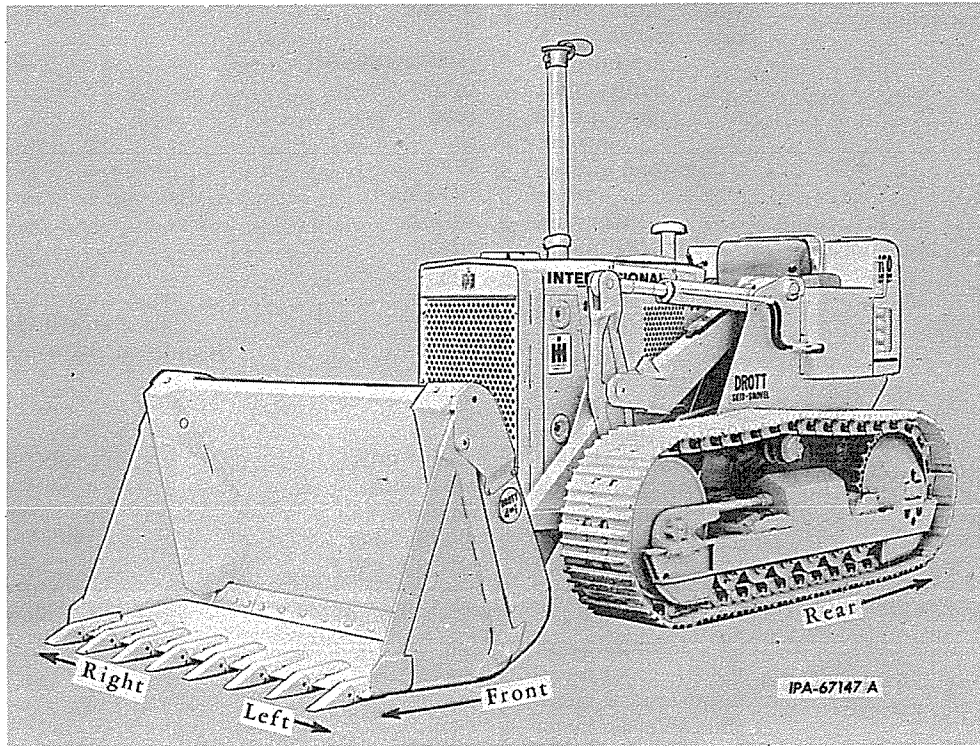
Loader	Engine Starting Serial Number	Chassis Starting Serial Number
150 (Manual Shift)	L-150GM 5698	L-150G 6519
150 (Power Shift)	L-150PM 5698	L-150P 6501

The engine serial numbers are stamped on the right side of the engine to the front and above the fuel injection pump.

The chassis serial numbers are stamped on the name plate which is located on the dash.

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

Customers should be urged to supply the engine and chassis numbers, including model prefix and suffix letters, when ordering parts.



L-150 Loader Equipped with Hood Side  
Doors and Four-in-One Bucket

## 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
ftd	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 coated
in.	inch or inches	zn-pltd	zinc plated



-5-  
ALPHABETICAL INDEX

DESCRIPTION	PAGE	FICHE	DESCRIPTION	PAGE	FICHE
A			E - Continued		
Air Cleaner. . (Check Serial Numbers and Restrictions on Top of Each Page Listed Before Ordering Parts .	23A, 24 25A, 25B 26		Engine, Skeleton and Basic Service .	9	
Altitude Compensation . . . . .	147		Engine Clutch . . . . .	72, 73	
Air Cleaner Pipe Extension . . . . .	26		Engine Controls . . . . .	124 to 131	
Alternator . . . . .	56A		Engine Oil Cooler . . . . .	46	
			Exhaust Manifold . . . . .	19, 20	
B			Exhaust Rain Cap . . . . .	21, 22	
Battery, support . . . . .	70		F		
Belt, fan . . . . .	44, 45		Fan		
			Blower . . . . .	43	
C			Reversible . . . . .	43	
Camshaft and Related Parts . . . . .	18		Fan Drive . . . . .	44	
Cap, Lockable Exhaust Rain . . . . .	21, 22		Filter Fuel . . . . .	36-38	
Cap, Locking . . . . .	146B		Filter, lubricating oil . . . . .	47, 48	
Channels, main frame . . . . .	78		Filter, Transmission Pressure . . . . .	92	
Connecting Rods . . . . .	17		Filter, Transmission Safety . . . . .	93	
Crankcase . . . . .	12, 13		Filter, Transmission Suction . . . . .	94	
Crankcase Cover . . . . .	16		Flywheel . . . . .	18	
Crankcase Gasket Set . . . . .	151		Front Engine Support . . . . .	18	
Crankcase Oil Pan . . . . .	49		Front Idler . . . . .	109	
Cranking Motor . . . . .	62 to 64		Front Pull Hook . . . . .	140	
Crankshaft and Related Parts . . . . .	14 to 16		Fuel Filters . . . . .	36-38	
Cylinder Head . . . . .	10, 11		Fuel Injection Pump		
Cylinder Head Gasket Package . . . . .	151		Roosa-Master . . . . .	30, 31	
Cylinder, Scarifier . . . . .	154		International . . . . .	32 to 34	
Cylinder Sleeve . . . . .	17		Fuel Strainer . . . . .	28, 29	
			Fuel Tank and Connections . . . . .	28, 29	
D			G		
Dash . . . . .	120, 121		Gasket Sets		
Decelerator . . . . .	124 to 129		Cylinder Head . . . . .	151	
Drawbar . . . . .	139		Crankcase . . . . .	151	
Drive, fan . . . . .	44		Transmission . . . . .	151	
Drive, bevel gear . . . . .	104		Generator . . . . .	55, 56	
			Generator and Connections . . . . .	57	
E			Glow Plug . . . . .	35	
Electric Starting and Lighting . . . . .	66 to 69		Glow Plug Switch . . . . .	67	
Electrical Switches . . . . .	57, 58, 67		Guard, fan . . . . .	43	
			Guard, brush . . . . .	60	
			Guard, radiator . . . . .	42	
			Guard, crankcase . . . . .	140	

-6-  
ALPHABETICAL INDEX

DESCRIPTION	PAGE	FICHE	DESCRIPTION	PAGE	FICHE
<b>H</b>			<b>P</b>		
Headlight, and rear light .....	58-60		Packages - NOTE: Refer to major part desired.		
Hood .....	120, 121		Pipes, fuel injection .....	28, 29	
Hourmeter .....	70		Piping, transmission .....	92 to 94	
Hydraulic Pump .....	138		Pistons .....	17	
Hydraulic System, transmission....	138		Pipe, exhaust .....	22	
Hydraulic Track Adjuster .....	111		Pivot Shaft .....	116	
			Platform .....	122, 123	
<b>I</b>			Power Take-Off		
Idler			Front.....	15	
Fan .....	43		Rear .....	141	
Front .....	109		Precombustion Chamber .....	35	
Track .....	110		Product Graphics .....	150	
Injector Nozzles .....	35		Pump, converter supply .....	88	
Instruments and Panel .....	132 to 137		Pump, fuel injection.....	30-32	
Intake Manifold .....	19, 20		Pump, hydraulic .....	138	
			Pump, lubricating oil .....	49	
<b>L</b>			Pump, water .....	44, 45	
Lights, head and rear .....	58 to 60				
Lighting Switch .....	58		<b>R</b>		
Lock, Oil Level Dipstick .....	140		Radiator and Connections.....	40, 41	
Lock, Pad .....	21, 22, 142		Radiator Guard .....	42	
Lubricating Oil Filter .....	47, 48				
Lubricating Oil Guage .....	133, 135, 136		<b>S</b>		
Lubricating Oil Pump .....	49		Safety Seat Belt .....	140	
Lubricators .....	143		Seat .....	122, 123	
			Scarifier.....	153	
<b>M</b>			Side Sheets .....	120, 121	
Master, switch lock .....	57		Sprocket.....	116 to 118	
Main Frame .....	76 to 78		Sprocket Drive.....	116 to 118	
Master Switch .....	57		Starting Motor (see cranking motor)	62 to 64	
Muffler, exhaust .....	21		Steering Brakes .....	100, 101	
			Steering Clutch		
<b>O</b>			Controls .....	102, 103	
Oil Cooler .....	46		Release Shaft .....	106, 107	
Oil Pan .....	49		Switch, Starting.....	67	

-7-  
ALPHABETICAL INDEX

DESCRIPTION	PAGE	FICHE	DESCRIPTION	PAGE	FICHE
T					
Thermostat .....	45				
Tools .....	142, 144, 145				
Tool Box.....	142				
Torque Converter.....	74, 75				
Track Chain .....	110				
Track Chain w/Shoes .....	110				
Track Frame.....	108 to 114				
Track Idler .....	110				
Track Roller.....	112				
Track Roller Shield .....	113				
Track Shoes .....	114				
Track Spring.....	108				
Transmission (manual shift) .....	80, 81				
Transmission (power shift) .....	82 to 99				
Turbocharger .....	50 to 53				
Tube, exhaust .....	38				
V					
Valve Cover .....	10				
Valve, main regulator .....	99				
Valve, range selector.....	98				
Valves, engine .....	10				
Vibration Damper .....	14				
Voltage Regulator .....	54				
W					
Watchdog Fuel Filter .....	148 to 149				
Water, conditioner .....	146A				
Water Pump .....	44, 45				
Water, trap .....	146				



QUICK REFERENCE  
FILTER ELEMENTS AND BELTS  
FOR  
MODEL 150 LOADER  
FILTER ELEMENTS

FUEL SYSTEM ELEMENTS

	PART NO.
Primary fuel filter element with gasket (not for units equipped with water separator attachment)	306 353 R91
Primary fuel filter element with gasket (for units equipped with water separator attachment)	610 309 C91
Final fuel filter element with gasket	304 101 R91

AIR CLEANER ELEMENTS

Air cleaner element (for manual shift loaders and power shift loaders not equipped with altitude compensation attachment) L150G-6519 to 15964 Also 15994 to 16217 except 15996 L150P-6501 to 15964 Also 15994 to 16217 except 15996	317 702 R91
Air cleaner element (for power shift loaders equipped with altitude compensation attachment) L150P-6501 to 15964 Also 15994 to 16217 except 15996	338 744 R91
Air cleaner element L150G-15965 to 15993 and 16218 Up Also 15996 L150P-15965 to 15993 and 16218 Up Also 15996	627 114 C1
Air cleaner safety element L150G-15965 to 15993 and 16218 Up Also 15996 L150P-15965 to 15993 and 16218 Up Also 15996	627 115 C1
Air cleaner element (heavy duty)	610 636 C91

LUBRICATING OIL SYSTEM ELEMENTS

Lubrication oil filter element with gasket L150G-5698 to 10859 L150P-5698 to 10859	323 827 R91
Lubrication oil filter element L150G 10860 Up L150P 10860 Up	279 994 R91

TRANSMISSION ELEMENTS

Pressure filter element with gasket	302 574 R91
Safety filter and suction filter element (used w/filter 610 794 C91)	346 821 R91
Safety filter and suction filter element (used w/filter 333 734 R91)	321 029 R91

WATER FILTER ATTACHMENT ELEMENTS

Water filter element	237 364 R91
----------------------	-------------

BELTS

ELECTRICAL SYSTEM

Generator belt	306 658 R1
Alternator belt	670 572 C1
Fan belt	328 539 R1

---

SKELETON, BASIC AND REPLACEMENT SERVICE ENGINES

---

SKELETON SERVICE ENGINE (See NOTE)

345 245 R92 ENGINE, Skeleton Service Diesel  
(Consists of -  
Camshaft and Related Parts  
Connecting Rods and Pistons  
Crankcase  
Crankcase Front Plate, Idler Gear and Related Parts  
Crankshaft and Related Parts  
Oil Pump )

---

BASIC SERVICE ENGINE

304 449 R91 ENGINE, Basic Service Diesel (See NOTE)  
(Consists of -  
Camshaft and Related Parts  
Connecting Rods and Pistons  
Crankcase  
Crankcase Front Cover, Plate, Idler Gear and Related  
Parts  
Crankcase Oil Pan  
Crankshaft and Related Parts  
Cylinder Head, Valve Housing, Valves and Related Parts  
Oil Pump and Related Parts

NOTE - When Basic Service Engine 304 449 R91 is used for  
Model 150 Loaders

Deduct the following parts:

1	PAN, crankcase oil	367 575 R92
1	SCREEN, oil pump	308 367 R91

ADD the following parts:

1	PAN, crankcase oil	332 137 R91
1	SCREEN, oil pump	347 372 R91

---

REPLACEMENT SERVICE ENGINE (See NOTE)

609 073 C91 ENGINE, replacement (MODEL 150 Power Shift Loader)  
(diesel engine complete from Water Pump to Flywheel  
inclusive except cranking motor, fan, exhaust  
muffler, rain cap, pipe extension, and voltage  
regulator)

609 075 C91 ENGINE, replacement (MODEL 150 Manual Shift Loader)  
(diesel engine complete from Water Pump to Flywheel  
inclusive except cranking motor, fan, exhaust  
muffler, rain cap, pipe extension, and voltage  
regulator)

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

PRINTED IN UNITED STATES OF AMERICA

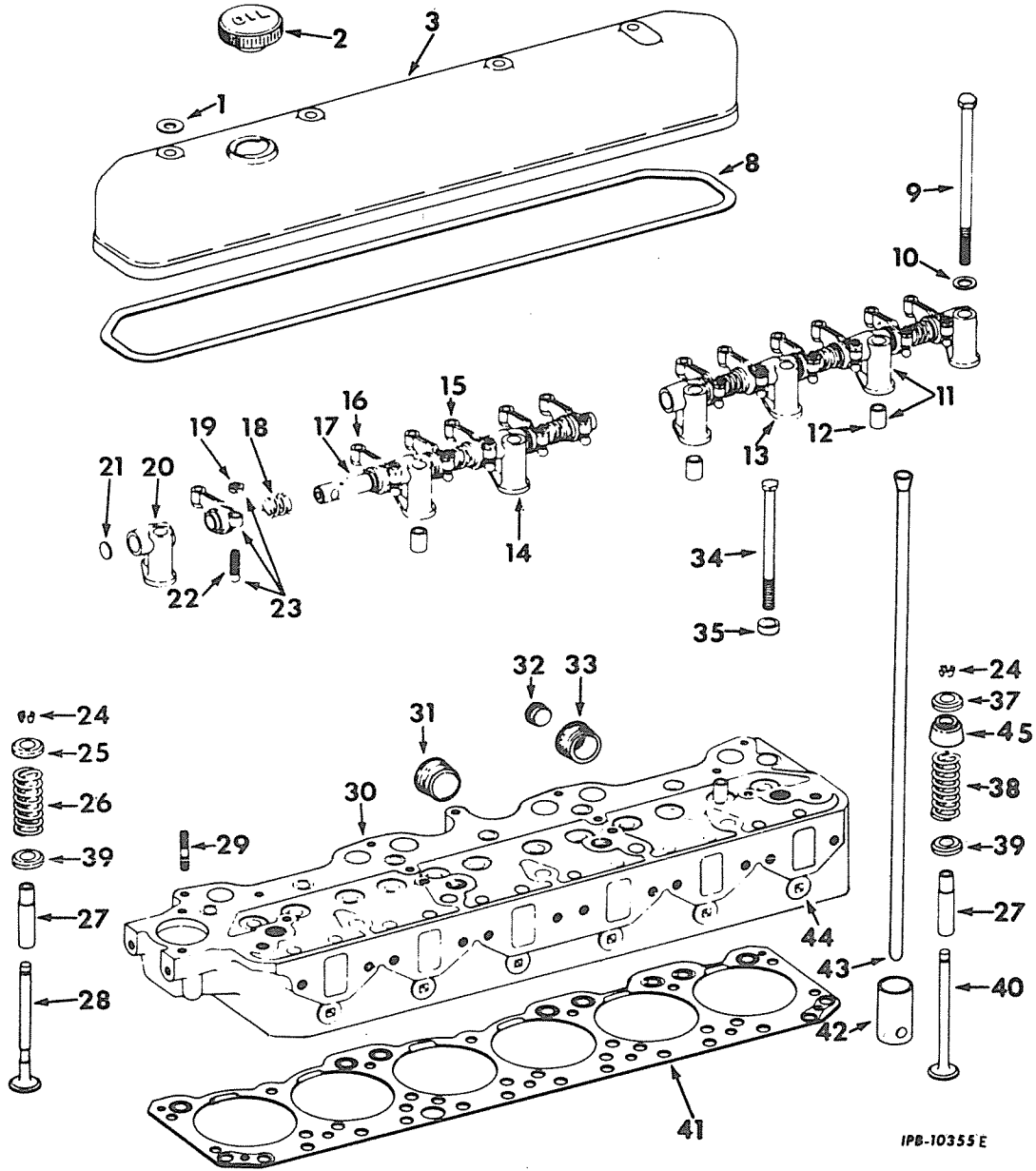
(Rev. No. 8 11-71)



# DIESEL ENGINE



REF. PART NO.	PART NUMBER	DESCRIPTION	REF. PART NO.	PART NUMBER	DESCRIPTION
		CYLINDER HEAD, VALVE COVER, VALVES AND ROCKER ARM ASSEMBLY			CYLINDER HEAD, VALVE COVER, VALVES AND ROCKER ARM ASSEMBLY - Continued



IPB-10355 E

1	WASHER, valve cover bolt (13/32 x 13/16" x 16 ga.) (copper) (4)	9	320 097 R1	BOLT, cylinder head (long) (9)
2	84 079 R91 CAP, oil filler (optional with 86 900 R91)	10	345 409 R1	WASHER, cylinder head bolt (7)
2	86 900 R91 CAP, oil filler (optional with 84 079 R91)	11	76 860 R11	BRACKET w/DOWEL, 69 500 R1, rocker arm shaft (Nos. 2, 4 and 6) (3)
3	315 825 R1 COVER, valve	12	69 500 R1	DOWEL, rocker arm shaft bracket (3)
	17 790 R1 SCREW, 3/8 x 4-3/4" hex-hd cap (4)	13	76 858 R1	BRACKET, rocker arm shaft (No. 5)
8	278 308 R1 GASKET, valve cover	14	76 858 R1	BRACKET, rocker arm shaft (No. 3)

# DIESEL ENGINE



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CYLINDER HEAD, VALVE COVER, VALVES AND ROCKER ARM ASSEMBLY - Continued			CYLINDER HEAD, VALVE COVER, VALVES AND ROCKER ARM ASSEMBLY - Continued		
15	278 304 R21	ARM w/SCREW, 16 067 DA and NUT, 133 093 R1, RH exhaust rocker (3)	31	601 244 C1	PLUG, 1-1/4" csk-hdls pipe (5)
16	323 727 R91	ARM w/SCREW, 16 067 DA and NUT, 133 093 R1, intake rocker (6)	32	444 589	PLUG, 1/2" sq-hd pipe
17	318 020 R11	SHAFT w/PLUG, 169 071 R1 rocker arm (2)	33	142 765	BUSHING, 1-1/4 x 1/2" reducing pipe
18	35 619 H	SPRING, rocker arm shaft (6)	34	278 305 R1	BOLT, cylinder head (short) (5)
19	133 093 R1	NUT, tappet adjusting screw lock (12)	35	278 306 R1	SPACER, cylinder head bolt (5)
20	76 859 R1	BRACKET, rocker arm shaft (Nos. 1 and 7) (2)	37	151 167 R3	RETAINER, valve spring (6)
21	169 071 R1	PLUG, cup (2)	38	315 744 R1	SPRING, intake valve (6)
22	16 067 DA	SCREW, tappet adjusting (12)	39	317 935 R91	ROTCOIL, intake and exhaust (12)
23	278 303 R21	ARM w/SCREW, 16 067 DA and NUT, 133 093 R1, LH exhaust rocker (3)	40	278 301 R1	VALVE, intake (6) L-150GM 5698 to 6081 (6) L-150PM 5698 to 6081
24	41 339 D	KEY, valve spring seat (24)	40	323 774 R1	VALVE, intake (6) L-150GM 6082 up (6) L-150PM 6082 up
25	151 167 R3	RETAINER, valve spring (6)	41	601 509 C1	GASKET, cylinder head
26	315 744 R1	SPRING, exhaust valve (6)	42	75 524 R3	TAPPETS, valve (12)
27	278 300 R1	GUIDE, valve (12)	43	164 436 R91	ROD w/upper and lower rod ENDS, valve lifter (12)
28	278 302 R1	VALVE, exhaust (for use with cylinder HEAD, 278 368 R61) (6) L-150GM 5698 to 6081 (6) L-150PM 5698 to 6081	44	271 848 R1	PLUG, 3/4" sq-soc pipe (11)
28	323 800 R1	VALVE, exhaust (for use with cylinder HEAD, 323 771 R11) (6) L-150GM 6082 to 8277 (6) L-150PM 6082 to 8277	45	612 107 C1	DEFLECTOR, intake valve stem oil (6)
28	349 381 R1	VALVE, exhaust (for use with cylinder HEAD, 323 771 R21 and 323 771 R31) (optional with 612 312 C1) (6) L-150GM 8278 up (6) L-150PM 8278 up	50 410 DA	PLUG, 1/8" sq-soc pipe (2)	
28	612 312 C1	VALVE, exhaust (for use with cylinder HEAD, 323 771 R21 and 323 771 R31) (optional with 349 381 R1) (6) L-150GM 8278 up (6) L-150PM 8278 up	315 701 R1	SPACER, cylinder head bolt (2)	
29	303 473 R1	STUD, exhaust manifold (10)			
30	278 368 R61	HEAD ASSY, cylinder L-150GM 5698 to 6081 L-150PM 5698 to 6081  (Composed of - 1 BUSHING 142 765 12 GUIDE 278 300 R1 § 1 HEAD 1 PLUG 444 589 2 PLUG 50 410 DA 5 PLUG 264 057 R1 11 PLUG 271 848 R1 § 6 SLEEVE 10 STUD 303 473 R1)			
30	323 771 R31	HEAD ASSY, cylinder L-150GM 6082 up L-150PM 6082 up  (Composed of - 1 BUSHING 142 765 12 GUIDE 278 300 R1 § 1 HEAD 1 PLUG 444 589 5 PLUG 601 244 C1 11 PLUG 271 848 R1 § 6 SLEEVE 10 STUD 303 473 R1)			

§ - Not Furnished Separately.

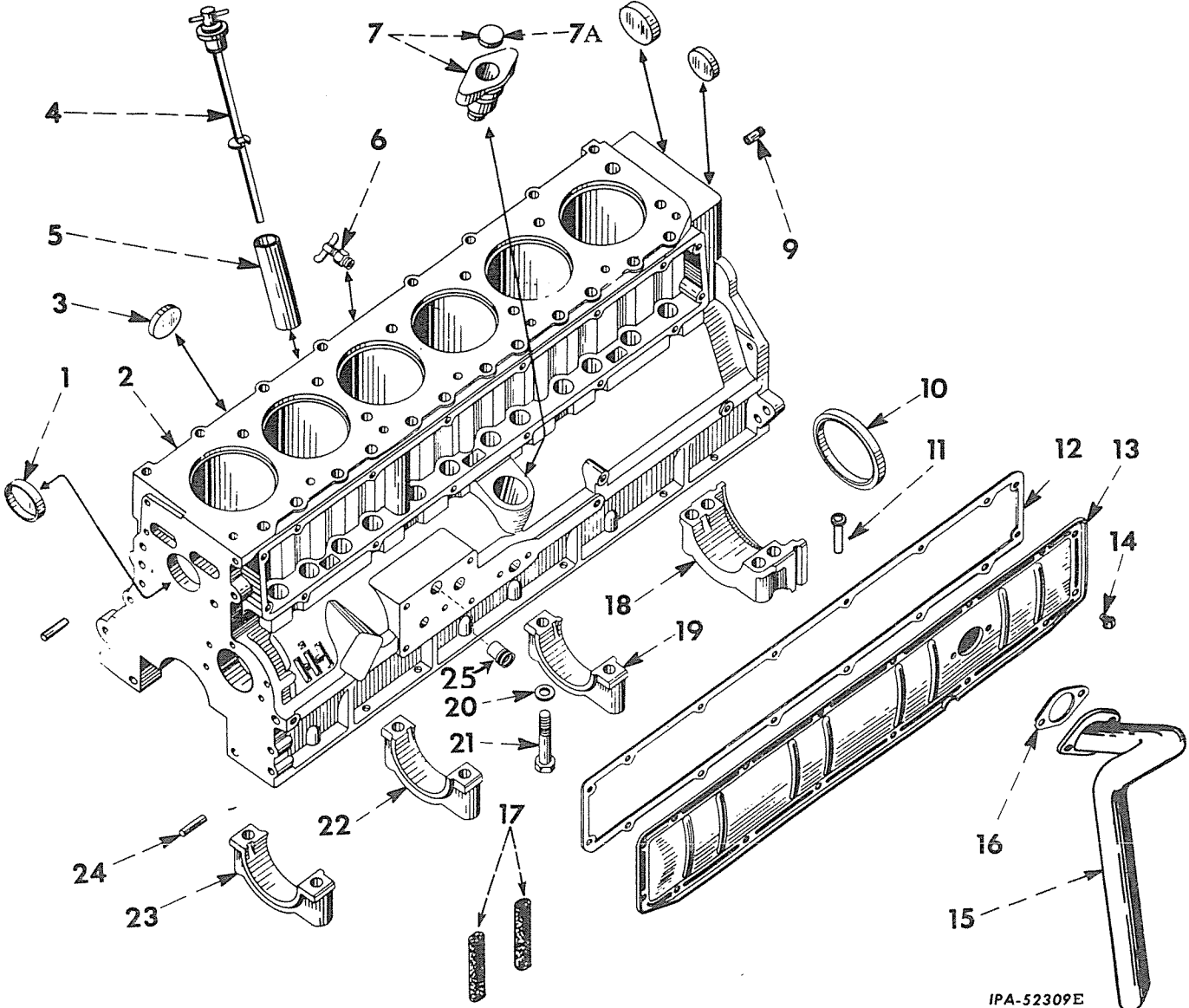
# DIESEL ENGINE



REF. PART NO. NUMBER	DESCRIPTION	REF. PART NO. NUMBER	DESCRIPTION
----------------------	-------------	----------------------	-------------

CRANKCASE AND RELATED PARTS

CRANKCASE AND RELATED PARTS - Continued



IPA-52309E

1	20 840 R1	PLUG, core-hole (2)			
2	612 017 C91	CRANKCASE ASSY (will work for CRANKCASE, 601 776 C91) (together w/VALVE, 612 092 C91 and "O" RING, 349 055 R2 will work for CRANKCASE, 312 434 R93) (Composed of -			
		1 BEARING	70 259 R2		
		1 BEARING	70 260 R1		
		1 BEARING	70 261 R2		
		1 BEARING	70 262 R1		
		X BOLT	320 097 R1		
		10 BOLT	328 512 R1		
		1 CAP	306 671 R1		
		1 CAP	306 672 R1		
		1 CAP	306 673 R1		
		1 CAP	306 674 R1		
		§ 1 CRANKCASE			
		2 DOWEL	141 285		
		2 DOWEL	371 699 R2		
		2 PIN	19 328 R1		
		1 PLUG	50 410 D.2		
		6 PLUG	70 128 R1		
				444 783	
					IPA-52309E
					2 CRANKCASE ASSY (will work for CRANKCASE, 601 776 C91) (together w/VALVE, 612 092 C91 and "O" RING, 349 055 R2 will work for CRANKCASE, 312 434 R93) (Composed of - Continued
					2 PLUG
					20 840 R1
					3 PLUG
					444 571
					2 PLUG
					444 783
					§ 6 SLEEVE
					1 TUBE
					368 985 R2
					10 WASHER
					345 409 R1)
					PLUG, 3/8" sq-soc-hd pipe (short) (2)
					1/2NF NUT (2)
					3/8 x 7/8" hex-hd cap SCREW
					1/2 x 1-1/4" hex-hd cap SCREW (6) (*)
					5/8 x 1-1/2" hex-hd cap SCREW (7) (†)
					3/8" lock WASHER
					1/2" lock WASHER (8)
					17/32 x 1-1/16 x .095" WASHER (2)
					1/2NF x 3-1/2" hex-hd cap SCREW (2)
					§ - Not Furnished Separately.
					(†)- Used On Power Shift Loaders.
					(*)- Used On Manual Shift Loaders.



## DIESEL ENGINE



REF. NO.	PART NUMBER	DESCRIPTION
CRANKCASE AND RELATED PARTS - Continued		
3	70 128 R1	PLUG, core hole (6)
4	368 986 R91	GAUGE, oil level
5	368 985 R2	TUBE, oil filler
6	9 982 T	VALVE, 1/4" drain
7	306 637 R11	SUPPORT w/PLUG, 41 162 D oil pump shaft
7A	41 162 D	PLUG, oil pump shaft support
9	371 699 R2	DOWEL, engine rear support (2)
10	403 066 R91	OIL SEAL, rear bearing cap
11	310 665 R1	BOOT, rear bearing cap seal (2)
12	369 982 R1	GASKET, valve push rod cover
13	315 970 R91	COVER w/two ELEMENT, 315 849 R1, valve push rod
14	375 612 R91	SCREW, 1/4 x 1/2" slt-rd-hd mach w/WASHER (valve push rod cover) (16)
15	328 560 R11 374 587 R91	PIPE, breather SCREW w/WASHER (2)
16	369 981 R1	GASKET, breather pipe
17	315 849 R1	ELEMENT, breather (optional with 349 363 R1) (2)
17	349 363 R1	ELEMENT, breather (optional with 315 849 R1) (2)
18	306 674 R1	CAP, crankshaft rear bearing
19	306 673 R1	CAP, crankshaft rear intermediate bearing
20	345 409 R1	WASHER, crankshaft bearing cap bolt (10)
21	328 512 R1	BOLT, crankshaft bearing cap (10)
22	306 672 R1	CAP, crankshaft intermediate front bearing
23	306 671 R1	CAP, crankshaft front bearing
24	141 285	DOWEL, 1/2 x 1-1/4" crankcase front plate
25	612 092 C91	VALVE, oil pressure regulating (used only when CRANKCASES, 601 776 C91 or 612 017 C91, replaces CRANKCASE, 312 434 R93) (also listed with filters)
	349 055 R2	"O" RING, oil pressure regulating valve (used only when CRANKCASES, 601 776 C91 or 612 017 C91, replaces CRANKCASE, 312 434 R93) (also listed with filters)
	19 328 R1	PIN, Roll (2)
	50 410 DA	PLUG
	444 571	PLUG, 1/8" sq-hd pipe
	47 401 D	WASHER, breather pipe screw sealing (2)

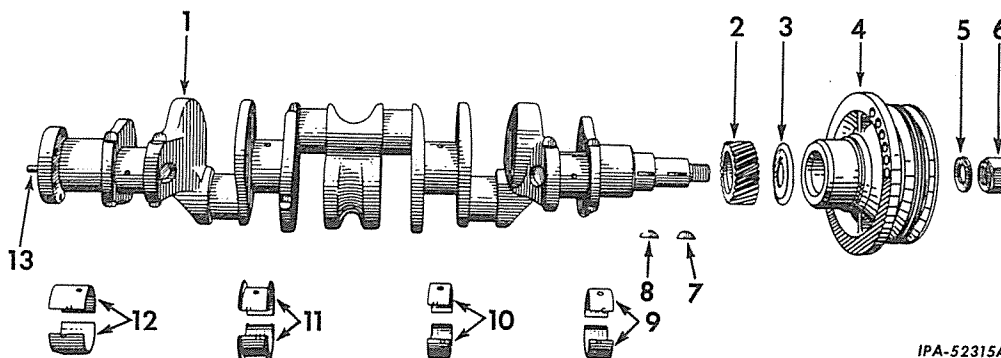
# DIESEL ENGINE



REF. PART NO. NUMBER	DESCRIPTION	REF. PART NO. NUMBER	DESCRIPTION
----------------------	-------------	----------------------	-------------

CRANKSHAFT, BEARING AND VIBRATION DAMPER

CRANKSHAFT, BEARING AND VIBRATION DAMPER - Continued



IPA-52315A

1		CRANKSHAFT (standard size) (order PACKAGE, 320 188 R93)	11	367 282 R91	BEARING, crankshaft intermediate rear (standard size) (two halves) L-150GM 5698 to 6902 L-150PM 5698 to 6902
1		CRANKSHAFT (undersize) (renewal) (order PACKAGE, 320 186 R91)			
2	367 272 R1	GEAR, crankshaft	11	332 267 R91	BEARING, crankshaft intermediate rear (standard size) (two halves) L-150GM 6903 up L-150PM 6903 up
3	71 763 R2	SLINGER, crankshaft oil			
4	338 951 R91	DAMPER, vibration (together with OILSEAL, 317 549 R91 will work for 306 367 R91)	11	367 306 R91	BEARING, crankshaft intermediate rear (.002" undersize) (two halves) L-150GM 5698 to 6902 L-150PM 5698 to 6902
5	70 109 R1	WASHER, starting crank nut	11	332 273 R91	BEARING, crankshaft intermediate rear (.002" undersize) (two halves) L-150GM 6903 up L-150PM 6903 up
6		NUT, 1NF jam			
7	117 984	KEY, 5/16 x 1-3/8" fan drive pulley (Woodruff No. 23)	11	376 676 R91	BEARING, crankshaft intermediate rear (.010" undersize) (two halves) L-150GM 5698 to 6902 L-150PM 5698 to 6902
8	103 462	KEY, 3/16 x 1" crankshaft gear (Woodruff No. 13)			
9	367 276 R91	BEARING, crankshaft front (standard size) (two halves)	11	332 276 R91	BEARING, crankshaft intermediate rear (.010" undersize) (two halves) L-150GM 6903 up L-150PM 6903 up
9	367 300 R91	BEARING, crankshaft front (.002" undersize) (two halves)	11	376 689 R91	BEARING, crankshaft intermediate rear (.020" undersize) (two halves) L-150GM 5698 to 6902 L-150PM 5698 to 6902
9	376 670 R91	BEARING, crankshaft front (.010" undersize) (two halves)			
9	376 683 R91	BEARING, crankshaft front (.020" undersize) (two halves)	11	332 279 R91	BEARING, crankshaft intermediate rear (.020" undersize) (two halves) L-150GM 6903 up L-150PM 6903 up
9	367 288 R91	BEARING, crankshaft front (.030" undersize) (two halves)	11	367 294 R91	BEARING, crankshaft intermediate rear (.030" undersize) (two halves) L-150GM 5698 to 6902 L-150PM 5698 to 6902
10	367 279 R91	BEARING, crankshaft intermediate front (standard size) (two halves)			
10	367 303 R91	BEARING, crankshaft intermediate front (.002" undersize) (two halves)	11	332 270 R91	BEARING, crankshaft intermediate rear (.030" undersize) (two halves) L-150GM 6903 up L-150PM 6903 up
10	376 673 R91	BEARING, crankshaft intermediate front (.010" undersize) (two halves)			
10	376 686 R91	BEARING, crankshaft intermediate front (.020" undersize) (two halves)	12	367 285 R91	BEARING, crankshaft rear (standard size) (two halves)
10	367 291 R91	BEARING, crankshaft intermediate front (.030" undersize) (two halves)	12	367 309 R91	BEARING, crankshaft rear (.002" undersize) (two halves)



# DIESEL ENGINE



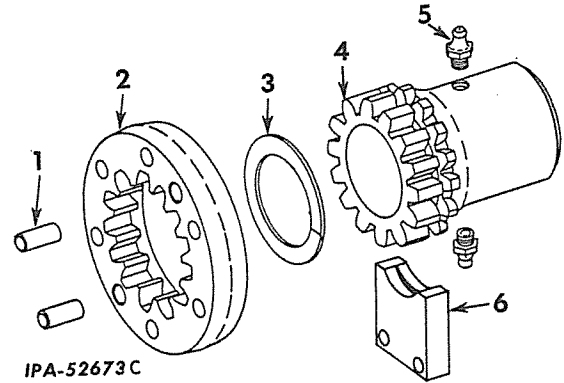
REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

CRANKSHAFT, BEARING AND VIBRATION DAMPER - Continued

FRONT POWER TAKE-OFF DRIVE

12	376 679 R91	BEARING, crankshaft rear (.010" undersize) (two halves)
12	376 692 R91	BEARING, crankshaft rear (.020" undersize) (two halves)
12	367 297 R91	BEARING, crankshaft rear (.030" undersize) (two halves)
13	82 970 R1	PIN, flywheel to crankshaft dowel
382 357 R91	BEARING SET, crankshaft (standard size) (Consists of -	
	1	BEARING 367 276 R91
	1	BEARING 367 279 R91
	1	BEARING 332 267 R91
	1	BEARING 367 285 R91)
382 360 R91	BEARING SET, crankshaft (.010" undersize) (Consists of -	
	1	BEARING 376 670 R91
	1	BEARING 376 673 R91
	1	BEARING 332 276 R91
	1	BEARING 376 679 R91)
320 188 R93	PACKAGE, crankshaft w/BEARINGS, field service (standard size) (Composed of -	
	1	BEARING SET 382 357 R91
	1	BEARING SET 367 630 R91
	§ 1	CRANKSHAFT
	1	BEARING 367 282 R91
	1	PIN 82 970 R1
	1	PAMPHLET 1 019 253 R1 )
320 186 R91	PACKAGE, (undersize) (renewal) field service (consists of CRANKSHAFT w/six connecting rod BEARINGS, four crankshaft BEARINGS and PIN, 82 970 R1)	



1	269 293 R1	PIN, dowel (2)
2	331 421 R1 306 354 R2	COUPLING, front power take-off BOLT, front power take-off coupling (2)
3	307 080 R1	SEAL, felt
4	330 734 R1	SHAFT, front power take-off coupling
5	126 152	FITTING, lubrication (2)
6	342 968 R1	RETAINER, shaft 3/8 x 1-3/4" hex-hd cap SCREW (4) 3/8" lock WASHER (4)

§ - Not Furnished Separately.

# DIESEL ENGINE

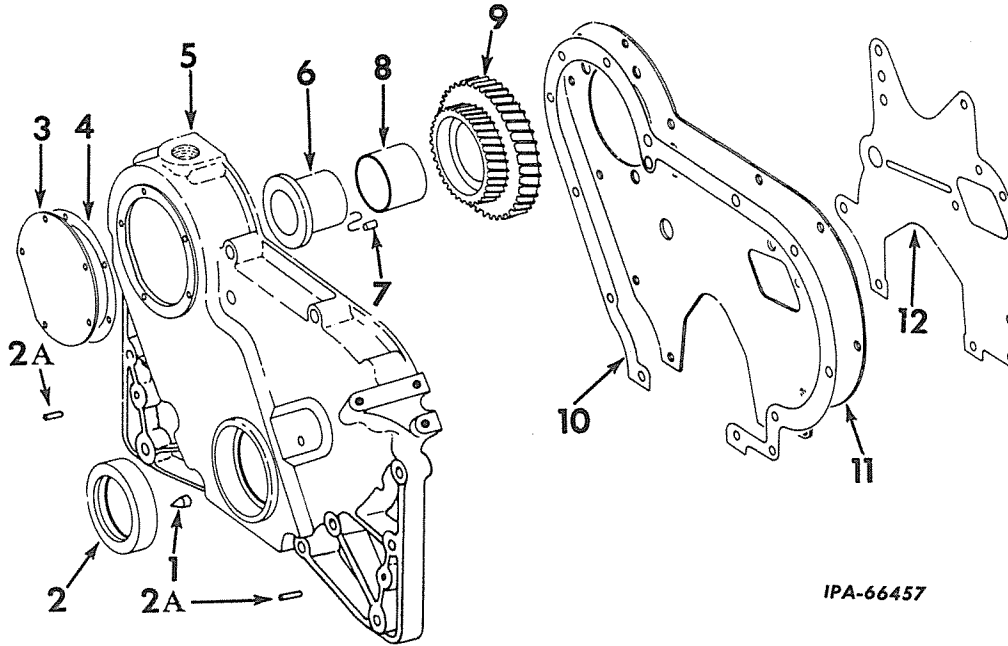
7

REF. PART  
NO. NUMBER DESCRIPTION

REF. PART  
NO. NUMBER DESCRIPTION

CRANKCASE FRONT COVER

CRANKCASE FRONT COVER - Continued



1	367 572 R1	POINTER, timing
2	357 672 R91	OIL SEAL, crankshaft (used with vibration DAMPER, 306 367 R91 or 338 951 R91)
2	317 549 R91	OIL SEAL, crankshaft (used with vibration DAMPER, 338 951 R91)
2A	19 892 R1	DOWEL, 3/8 x 1.5" (2)
3	278 269 R1	COVER, injection pump gear 5/16 x 9/16" hex-hd cap SCREW (5) 5/16" lock WASHER (5)
4	278 270 R1	GASKET, injection pump gear cover
5	328 542 R11	COVER w/POINTER, 367 572 R1 and two DOWEL, 19 892 R1, crankcase front 1/2NF NUT (3) 1/2 x 3" hex-hd cap SCREW (6) 3/8 x 1" hex-hd cap SCREW (6) 1/2" lock WASHER (6) 3/8" lock WASHER (6)

6	367 580 R11	SHAFT w/DOWEL, 141 150, idler gear 1/2 x 2-1/4" hex-hd cap SCREW 1/2" lock WASHER
7	141 150	DOWEL, 3/16 x 7/16" idler gear shaft
8	367 578 R1	BUSHING, idler gear
9	278 263 R11	GEAR w/BUSHING, 367 578 R1 idler
10	278 268 R1	GASKET, crankcase front cover
11	278 264 R11	PLATE w/three NUT, 264 723 R1, crankcase front L-150GM-5698 to 12177 L-150PM-5698 to 12177 3/8 x 7/8" hex-hd cap SCREW (4) 3/8" lock WASHER (4)
11	612 151 C11	PLATE, crankcase front L-150GM-12178 up L-150PM-12178 up 3/8 x 7/8" hex-hd cap SCREW (4) 3/8" lock WASHER (4)
12	278 265 R1	GASKET, crankcase front plate
	171 823 R1	ELBOW, hose (‡) (\$)
	444 595	PLUG, front cover (‡)

(‡) - Used On Power Shift Loader Not Equipped With Altitude Compensation Attachment.  
(‡) - Used On Manual Shift Loader.  
(\$)- Used On Power Shift Loader Equipped With Altitude Compensation Attachment.

# DIESEL ENGINE

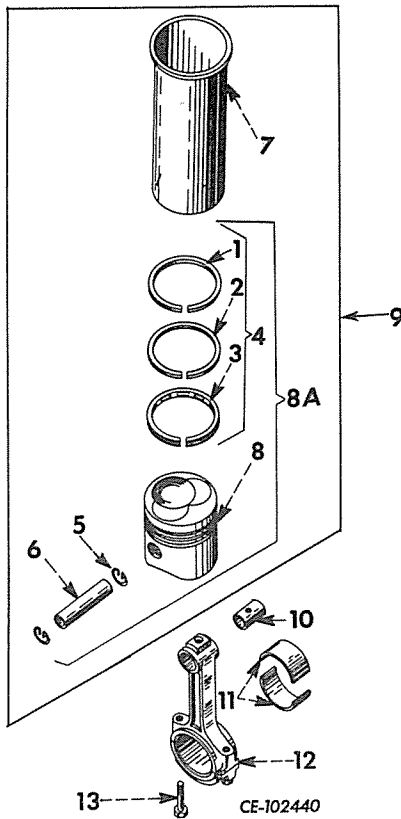


REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

CONNECTING ROD AND PISTON

CONNECTING ROD AND PISTON - Continued



7	612 000 C11	SLEEVE, cylinder (.002" oversize) (X) L-150GM 11440 up (X) L-150PM 11440 up	7	612 001 C11	SLEEVE, cylinder (.010" oversize) (X) L-150GM 11440 up (X) L-150PM 11440 up
8	318 377 R2	PISTON ("SS" marking) (6)	8A	609 343 C91	PISTON, PISTON PIN, and RINGS (6)
9	609 344 C91	SLEEVE w/PISTON and RING ASSY, cylinder (6) L-150GM 5698 to 11439 (6) L-150PM 5698 to 11439	9	612 008 C91	SLEEVE w/PISTON and RING ASSY, cylinder  (X) L-150GM 11440 up (X) L-150PM 11440 up
10	306 708 R1	BUSHING, piston pin (6)	11	367 408 R11	BEARING, connecting rod (standard) (two halves) (6)
11	367 632 R11	BEARING, connecting rod (.002" undersize) (two halves) (6)	11	376 666 R11	BEARING, connecting rod (.010" undersize) (two halves) (6)
11	376 668 R11	BEARING, connecting rod (.020" undersize) (two halves) (6)	11	367 631 R11	BEARING, connecting rod (.030" undersize) (two halves) (6)
12	306 280 R12	ROD w/two BOLTS, 316 366 R1 and BUSHING, 306 708 R1 connecting (6)	12	306 280 R12	ROD w/two BOLTS, 316 366 R1 and BUSHING, 306 708 R1 connecting (6)
13	316 366 R1	BOLT, connecting rod (12)	13	316 366 R1	BOLT, connecting rod (12)
	367 630 R91	BEARING SET, connecting rod (consists of six rod BEARING, 367 408 R11)		367 630 R91	BEARING SET, connecting rod (consists of six rod BEARING, 367 408 R11)
	320 017 R91	PACKAGE, cylinder sleeve (6) L-150GM 5698 to 11439 L-150PM 5698 to 11439		320 017 R91	PACKAGE, cylinder sleeve (6) L-150GM 5698 to 11439 L-150PM 5698 to 11439
1		RING, piston (top compression) (order set 674 726 C91) (6)			(Consists of -
2		RING, piston (chrome plated) (intermediate compression) (order set 674 726 C91) (6)			1 PAMPHLET 1 014 864 R3
3		RING, piston (oil regulating) (order set 674 726 C91) (6)			1 SLEEVE 278 272 R1
4	674 726 C91	RING SET, piston (perfect circle) (consists of two compression RING and one oil RING) (optional w/RING SET 674 727 C91)			1 SHIM 320 000 R1
4	674 727 C91	RING SET, piston (KOPPERS) (consists of two compression RING and one oil RING) (optional w/RING SET 674 726 C91)			2 SHIM 320 018 R1
5	338 835 R1	RING, piston pin retainer (12)	609 346 C91	PACKAGE, piston and oversize cylinder sleeve (.002" oversize) field service (X) L-150GM 5698 to 11439 L-150PM 5698 to 11439	(Consists of -
6	332 436 R1	PIN, piston (standard size) (6)			1 PAMPHLET 1 014 864 R3
7	278 272 R1	SLEEVE, cylinder (6) L-150GM 5698 to 11439 (6) L-150PM 5698 to 11439			1 PISTON 318 377 R2
7	323 802 R1	SLEEVE, cylinder (.002" oversize) (part of PACKAGE, 609 346 C91) (X) L-150GM 5698 to 11439 (X) L-150PM 5698 to 11439			1 PIN 332 436 R1
7	601 289 C1	SLEEVE, cylinder (.010" oversize) (X) L-150GM 5698 to 11439 (X) L-150PM 5698 to 11439			§ 3 RING
7	609 028 C11	SLEEVE, cylinder (S3) (X) L-150GM 11440 up (X) L-150PM 11440 up			2 RING 338 835 R1
					1 SHIM 320 000 R1
					2 SHIM 320 018 R1
					1 SLEEVE 323 802 R1)
					320 000 R1 SHIM, cylinder sleeve (.005") (6)
					320 018 R1 SHIM, cylinder (.003") (12)
					(X) - As Required.
					§ - Not Furnished Separately.



# DIESEL ENGINE

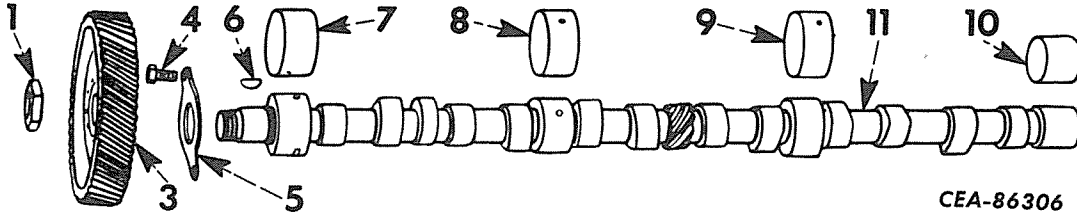


REF. PART NO.	PART NUMBER	DESCRIPTION
---------------	-------------	-------------

REF. PART NO.	PART NUMBER	DESCRIPTION
---------------	-------------	-------------

CAMSHAFT AND RELATED PARTS

CAMSHAFT AND RELATED PARTS - Continued



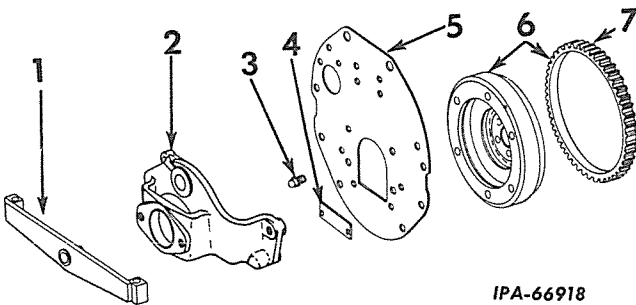
CEA-86306

1	16 026 DB	NUT, camshaft gear
3	367 240 R1	GEAR, camshaft
4	70 425 R1	BOLT, camshaft thrust plate (2)
5	35 650 HA	PLATE, camshaft thrust
6	127 559	KEY, 1/4 x 3/4" camshaft gear (Woodruff No. 91)

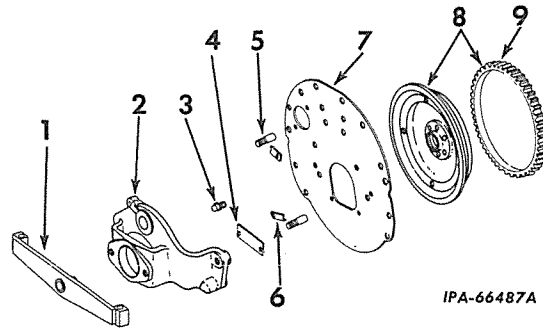
7	70 259 R2	BEARING, camshaft (front) (will work for 367 515 R1 and 367 514 R1)
8	70 260 R1	BEARING, camshaft (intermediate front) (will work for 71 326 R1)
9	70 261 R2	BEARING, camshaft (intermediate rear) (will work for 70 131 R1)
10	70 262 R1	BEARING, camshaft (rear) (will work for 70 132 R1)
11	367 229 R1	CAMSHAFT

FLYWHEEL AND ENGINE SUPPORTS  
(Used on Manual Shift Loaders)

FLYWHEEL AND ENGINE SUPPORTS  
(Used on Power Shift Loaders)



IPA-66918



IPA-66487A

1	306 648 R91	SUPPORT, front engine 5/8 x 3-3/4" hex-hd cap SCREW (4) 5/8" lock WASHER (4)
2	332 111 R1	BRACKET, front engine support
3	Q 5 009	FITTING, lubrication
4	367 225 R1	SEAL, rear engine support dust 5/16 x 5/8" hex-hd cap SCREW (2) 11/32 x 11/16" x No. 16 ga. plain WASHER (2)
5	306 645 R11	SUPPORT, rear engine 1/2 x 1-1/4" hex-hd cap SCREW (6) 1/2" lock WASHER (6)
6	306 638 R11	FLYWHEEL w/RING GEAR, 33 817 DE
7	33 817 DE	GEAR, flywheel ring (149T)
	601 558 C1	BOLT, 7/16NF x 3" hex lock flywheel to crankshaft (6)
	48 384 D	SHIM, front engine support (heavy) (X)
	48 385 D	SHIM, front engine support (light) (X)

(X) - As Required.

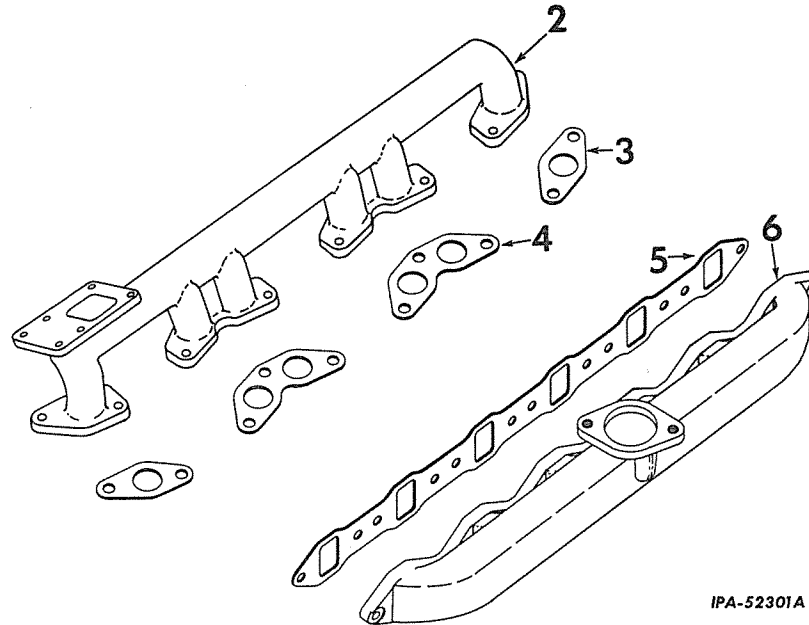
1	306 648 R91	SUPPORT, front engine 5/8 x 3-3/4" hex-hd cap SCREW (4) 5/8" lock WASHER (4)
2	332 111 R1	BRACKET, front engine support
3	Q 5 009	FITTING, 1/8" x 30° lubrication
4	367 225 R1	SEAL, rear engine support dust 5/16 x 5/8" hex-hd cap SCREW (2) 11/16 x 11/32" x No. 16 ga. WASHER (2)
5	331 384 R1	DOWEL, main frame (.7453" standard size)(2)
5	331 792 R2	DOWEL, main frame (.8140" oversize) (2)
5	331 793 R2	DOWEL, main frame (.8453" oversize) (2)
6	331 383 R1	RETAINER, dowel (2) 1/2 x 3/4" hex-hd cap SCREW
7	328 544 R21	SUPPORT, rear engine 1/2 x 1-1/4" hex-hd cap SCREW (6) 1/2" lock WASHER (6)
8	328 543 R21	FLYWHEEL w/RING GEAR, 33 817 DE
9	33 817 DE	GEAR, flywheel ring (149T)
	332 136 R1	BOLT, 7/16NF x 3" hex-hd lock (flywheel to crankshaft) (6)
	48 384 D	SHIM, front engine support (heavy) (X)
	48 385 D	SHIM, front engine support (light) (X)

(X) - As Required.

# DIESEL ENGINE



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
<b>INTAKE AND EXHAUST MANIFOLD</b> (Used on Manual Shift Loader) (Used on Power Shift Loader Equipped With Altitude Compensation Attachment)			<b>INTAKE AND EXHAUST MANIFOLD - Continued</b> (Used on Manual Shift Loader) (Used on Power Shift Loader Equipped With Altitude Compensation Attachment)		



2	306 656 R1	MANIFOLD, exhaust	264 196 R91	CLIP, pipe
3	278 313 R2	GASKET, exhaust manifold (end) (2)	39 524 DA	NUT, exhaust manifold stud (10)
4	278 314 R1	GASKET, exhaust manifold (center) (2)	103 877	PLUG, 1/8" sq-hd pipe (intake manifold)
5	305 804 R1	GASKET, intake manifold	103 878	PLUG, 1/4NPT sq-hd stl pipe (optional with 219 189)
6	332 110 R11	MANIFOLD w/PLUG, 103 877 intake 3/8 x 1-1/8" hex-hd cap SCREW (12) 3/8" lock WASHER (12)	219 189	PLUG, 1/4NPT sq-hd MI pipe (optional with 103 878)
			113 934 H	WASHER, exhaust manifold flat (10)

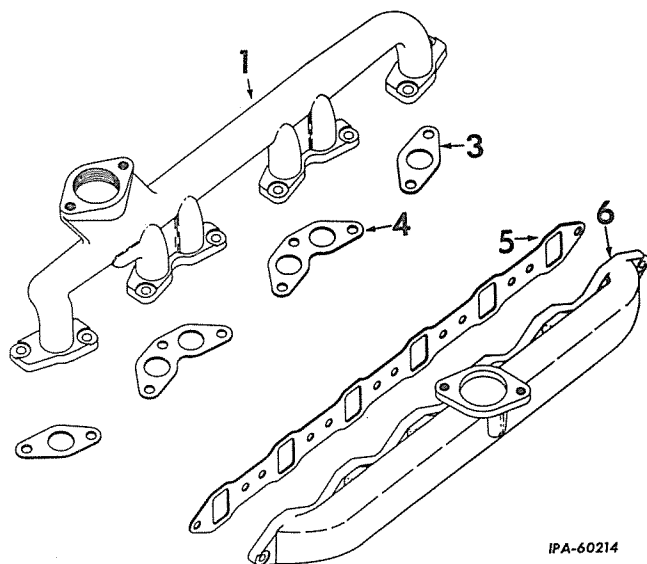


# DIESEL ENGINE



REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

INTAKE AND EXHAUST MANIFOLD  
 (Used on Power Shift Loader Not Equipped With Altitude Compensation Attachment)



IPA-60214

1	278 643 R2	MANIFOLD, exhaust
3	278 313 R2	GASKET, exhaust manifold (end) (2)
4	278 314 R1	GASKET, exhaust manifold (center) (2)
5	305 804 R1	GASKET, intake manifold
6	332 110 R11	MANIFOLD w/PLUG, 103 877 intake 3/8 x 1-1/8" hex-hd cap SCREW (12) 3/8" lock WASHER (12)
	264 196 R91	CLIP, pipe (2)
	39 524 DA	NUT, exhaust manifold stud (10)
	103 877	PLUG, 1/8" sq-hd pipe (intake manifold)
	113 934 H	WASHER, exhaust manifold flat (10)



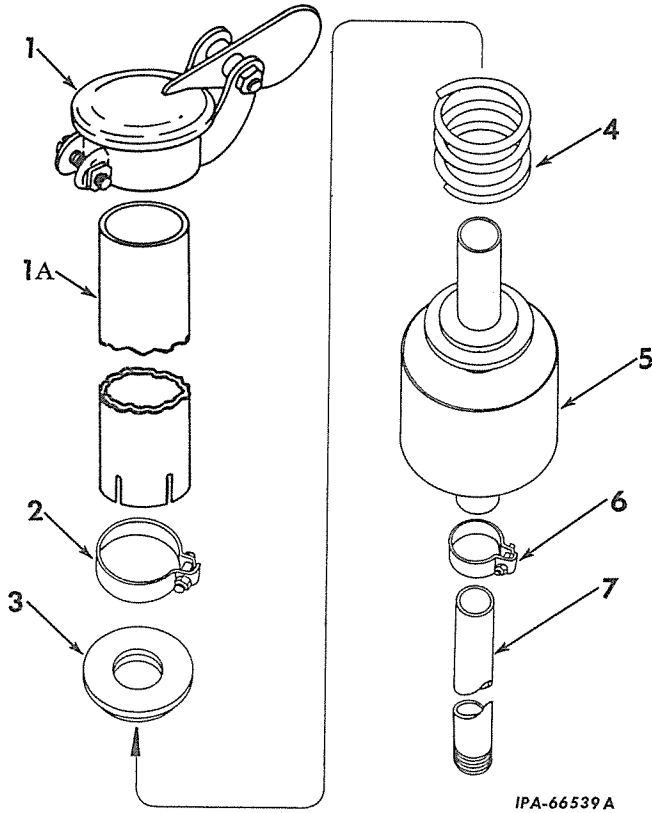
# DIESEL ENGINE



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------	----------	-------------	-------------

**EXHAUST MUFFLER**  
 (Used on Power Shift Loader) (Not Equipped With Altitude Compensation Attachment)  
 (Not Used on Loaders Equipped With Heavy Duty Air Cleaner)

**EXHAUST MUFFLER - Continued**  
 (Used on Power Shift Loader) (Not Equipped With Altitude Compensation Attachment)  
 (Not Used on Loaders Equipped With Heavy Duty Air Cleaner)



5	604 678 C91	MUFFLER, exhaust (heavy hood) (together with PIPE, 604 677 C1 will work for 330 736 R91)
6	350 602 R1 102 635 179 843 103 321	CLAMP, exhaust muffler 3/8" NUT 3/8 x 1-1/2" hex-hd cap SCREW 3/8" lock WASHER
7		PIPE, exhaust (2" std-pipe 8.6" long obtain locally) (for use with MUFFLER, 330 736 R91) L-150P 6501 to 9936
7	604 677 C1	PIPE, exhaust (for use with MUFFLER, 604 678 C91) L-150P 9937 up
	15 022 R1	BOLT, exhaust pipe clamp (used with CLAMP, 311 420 R11) (2) 5/16" NUT (2)
	628 164 C91	ATTACHMENT, lockable exhaust rain cap (used on loader equipped w/PIPE 620 149 C1) (see NOTES 1 and 3) (consists of CAP 650 430 C91)
	650 382 C91	ATTACHMENT, exhaust rain cap padlock w/KEYS (see NOTES 1 and 3)

1	650 430 C91	CAP, lockable exhaust rain (will work for CAPS 283 001 R91 and 321 576 R91)
1A	620 149 C1	PIPE, exhaust muffler (together with CAP, 650 430 C91 will work for PIPE, 318 982 R1)  L-150G (*) L-150P (*)
2	299 864 R1	CLAMP, exhaust pipe extension (together with 3/8" NUT and 3/8 x 1-1/2" hex-hd cap SCREW, will work for CLAMP, 311 420 R11) (2)
3	320 535 R11	RETAINER, exhaust spring
4	318 985 R1	SPRING, exhaust baffle

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

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

(\*) - Now Regular Equipment From Serial Number 11702 and Up.



# DIESEL ENGINE

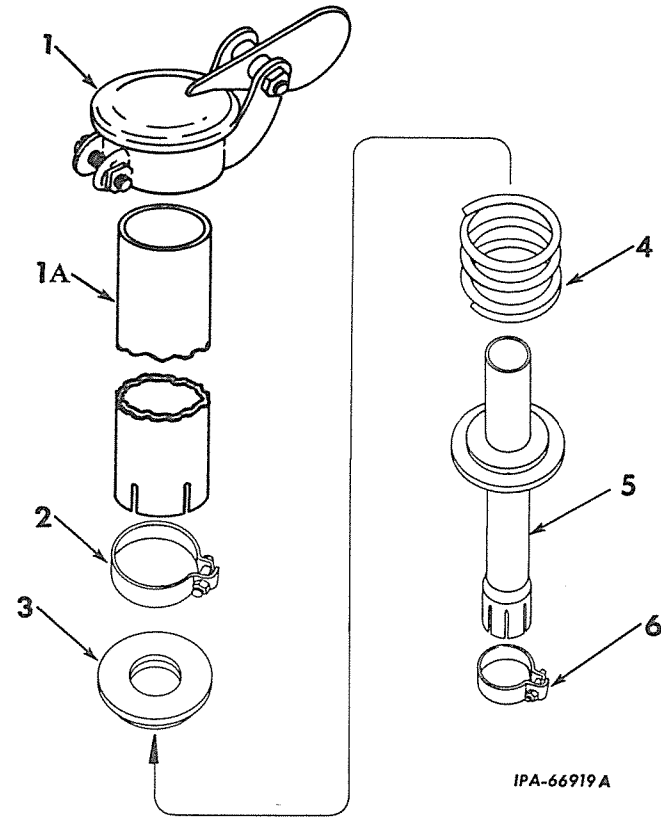


REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

**EXHAUST PIPE**  
 (Used on Manual Shift Loader) (Used on Power Shift Loader Equipped With Altitude Compensation Attachment)  
 (Not Used on Loader Equipped With Heavy Duty Air Cleaner)

**EXHAUST PIPE - Continued**  
 (Used on Manual Shift Loader) (Used on Power Shift Loader Equipped With Altitude Compensation Attachment)  
 (Not Used on Loader Equipped With Heavy Duty Air Cleaner)



5	330 737 R11	PIPE, exhaust
6	276 223 R91	CLAMP, exhaust pipe extension
628 164 C91	ATTACHMENT, lockable exhaust rain cap (used on loaders equipped w/PIPE 620 149 C1) (see NOTES 1 and 3) (consists of CAP 650 430 C91)	
650 382 C91	ATTACHMENT, exhaust rain cap padlock w/KEYS (See NOTES 1 and 3)	

1	650 430 C91	CAP, lockable exhaust rain (will work for CAPS 283 001 R91 and 321 576 R91)
1A	620 149 C1	PIPE, exhaust muffler (together with CAP, 650 430 C91 will work for PIPE, 318 982 R1) L-150G (*) L-150P (*)
2	299 864 R1	CLAMP, exhaust pipe extension (together with 3/8" NUT and 3/8 x 1-1/2" hex-hd cap SCREW, will work for CLAMP, 311 420 R11) (2)
	15 022 R1	BOLT, exhaust pipe clamp (used with CLAMP, 311 420 R11) (2)
	102 634	5/16" NUT (2)
3	320 537 R11	RETAINER, spring
4	318 987 R1	SPRING, exhaust baffle

NOTE 1 - Factory Application - Order On Machine Order Form

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

(\*) - Now Regular Equipment From Serial Number 11702 and Up.



# MEMORANDA



# FUEL SYSTEM



REF. PART NO. NUMBER DESCRIPTION

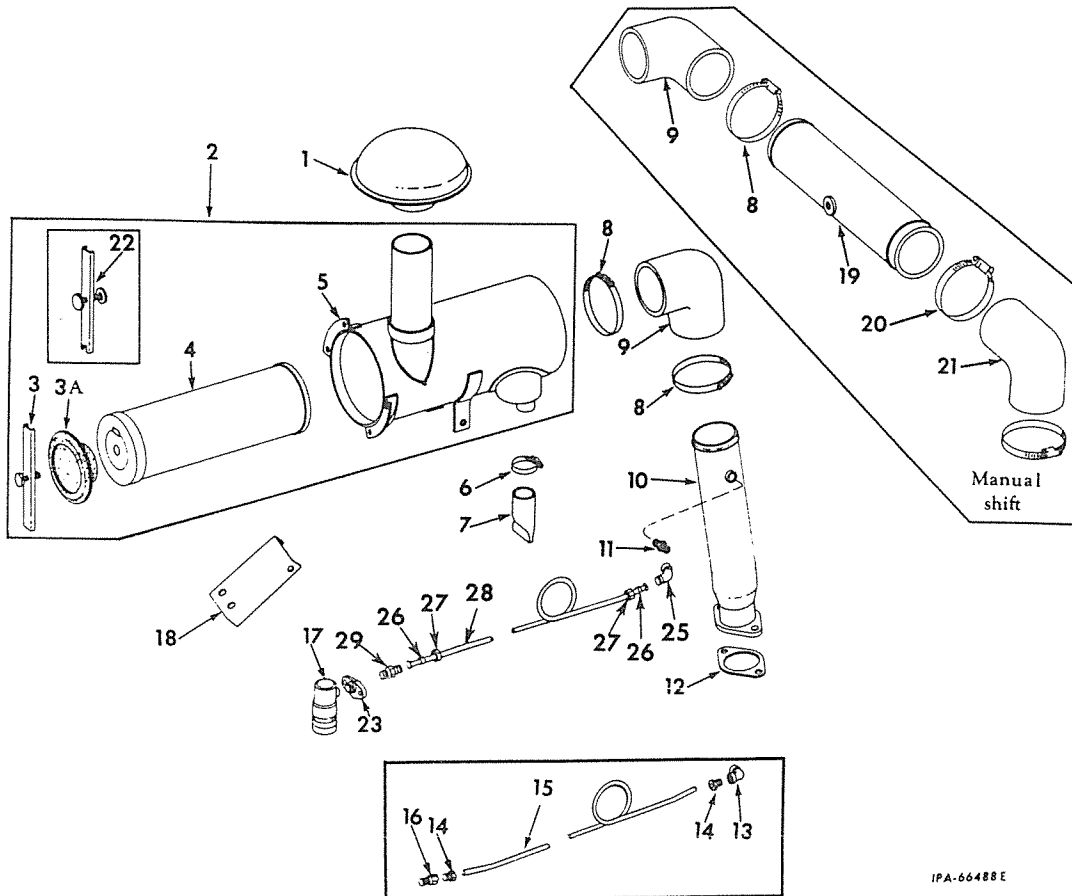
REF. PART NO. NUMBER DESCRIPTION

**AIR CLEANER AND CONNECTIONS**  
(United Specialties) (Used on Manual Shift Loaders) (Used on Power Shift Loaders Not Equipped With Altitude Compensation Attachment)

L-150G 6519 To 15964  
Also 15994 To 16217 Except 15996  
L-150P 6501 To 15964  
Also 15994 To 16217 Except 15996

**AIR CLEANER AND CONNECTIONS - Continued**  
(United Specialties) (Used on Manual Shift Loaders) (Used on Power Shift Loaders Not Equipped With Altitude Compensation Attachment)

L-150G 6519 to 15964  
Also 15994 To 16217 Except 15996  
L-150P 6501 To 15964  
Also 15994 To 16217 Except 15996



IPA-66488E

1	313 625 R91	CAP, weather (#)	10	345 794 R11	PIPE, air cleaner outlet (†) (#) L-150P 8929 to 15964 Also 15994 to 16217 except 15996
2	327 468 R91	CLEANER ASSY, air (†) (*) (#)	24 849 R1	7/16 x 1" hex-hd cap SCREW (2)	
	25 520 R1	5/16" NUT (4)	115 314	7/16" lock WASHER (2)	
	25 228 R1	5/16 x 3/4" hex-hd cap SCREW (4)	11	317 972 R91	NIPPLE and FILTER, air cleaner
	116 120	5/16" lock WASHER (4)	12	369 497 R2	GASKET, air cleaner outlet pipe (†) (#)
3	313 930 R91	LOCK, filter element (†) (*) (#)	13	19 717 R1	ELBOW, 1/8"NPT L-150G-6519 to 12166 L-150P-6501 to 12166
3A	603 824 C1	GASKET, element seal (†) (*) (#)	14	36 092 D	NUT, 1/8" tube coupling (2) L-150G-6519 to 12166 (2) L-150P-6501 to 12166
4	317 702 R91	ELEMENT (#)	15	331 976 R1	TUBE, air cleaner indicator (†) L-150G - 6519 to 12166 L-150P- 6501 to 12166
5		BODY (Not Furnished Separately) (#)	15	331 977 R1	TUBE, air cleaner indicator (*) L-150G-6519 to 12166 L-150P-6501 to 12166
6	274 085 R91	CLAMP, automatic dust unloader (#)			
7	324 194 R1	UNLOADER, automatic dust (#)			
8	274 089 R91	CLAMP, air cleaner outlet hose elbow (2) (#)			
9	304 398 R1	ELBOW, air cleaner outlet hose (*) (#) (†) L-150P 6501 to 8928			
9	345 795 R1	ELBOW, air cleaner outlet hose (†) (#) L-150P 8929 to 15964 Also 15994 to 16217 except 15996			
10	330 622 R11	PIPE, air cleaner outlet (order PIPE, 345 794 R11 and ELBOW, 345 795 R1)(†)(#) L-150P 6501 to 8928			

(#) - Not Used With Heavy Duty Air Cleaner.  
(†) - For Power Shift Loaders.  
(\*) - For Manual Shift Loaders.



# FUEL SYSTEM



REF. NO.	PART NUMBER	DESCRIPTION
<b>AIR CLEANER AND CONNECTIONS - Continued</b> (United Specialties) (Used on Manual Shift Loaders) (Used on Power Shift Loaders Not Equipped with Altitude Compensation Attachment) L-150G 6519 To 15964 Also 15994 To 16217 Except 15996 L-150P 6501 To 15964 Also 15994 To 16217 Except 15996		
16	59 939 D	CONNECTOR, hi-duty male pipe L-150G-6519 to 12166 L-150P-6501 to 12166
17	346 666 R91	INDICATOR, air cleaner filter
18	327 983 R11	BRACKET, air cleaner support (†) (*) (#)
	24 839 R1	3/8 x 3/4" hex-hd cap SCREW (4)
	115 093	3/8" lock WASHER (4)
	25 522 R1	3/8" NUT
19	327 998 R11	PIPE, air cleaner to turbocharger (*) (#)
20	279 029 R91	CLAMP, air cleaner to turbocharger pipe hose elbow (2) (*) (#)
21	327 999 R1	ELBOW, air cleaner to turbocharger pipe hose (*) (#)
22		NOT USED
23	284 874 C1	FLANGE, air cleaner filter indicator mounting
	103 089	No. 12 NUT (2)
	100 779	12 x 3/4" hex-hd cap SCREW (2)
	106 498	No. 12 lock WASHER
	606 519 C1	PLATE, air cleaner indicator name
25	610 040 C1	ELBOW, air cleaner indicator tube L-150G-12167 to 15964 Also 15994 to 16217 except 15996 L-150P-12167 to 15964 Also 15994 to 16217 except 15996
26	606 926 C1	SLEEVE (2) L-150G-12167 to 15964 Also 15994 to 16217 except 15996 (2) L-150P-12167 to 15964 Also 15994 to 16217 except 15996
27	606 925 C1	NUT (2) L-150G-12167 to 15964 Also 15994 to 16217 except 15996 (2) L-150P-12167 to 15964 Also 15994 to 16217 except 15996
28	611 427 C11	TUBE, w/two SLEEVE, 606 926 C1 and two NUT, 606 925 C1, air cleaner indicator (†) L-150G-12167 to 15964 Also 15994 to 16217 except 15996 L-150P-12167 to 15964 Also 15994 to 16217 except 15996
29	606 999 C1	CONNECTOR, air cleaner filter indicator tube L-150G-12167 to 15964 Also 15994 to 16217 except 15996 L-150P-12167 to 15964 Also 15994 to 16217 except 15996

(#) - Not Used With Heavy Duty Air Cleaner.  
(†) - For Power Shift Loaders.  
(\*) - For Manual Shift Loaders.

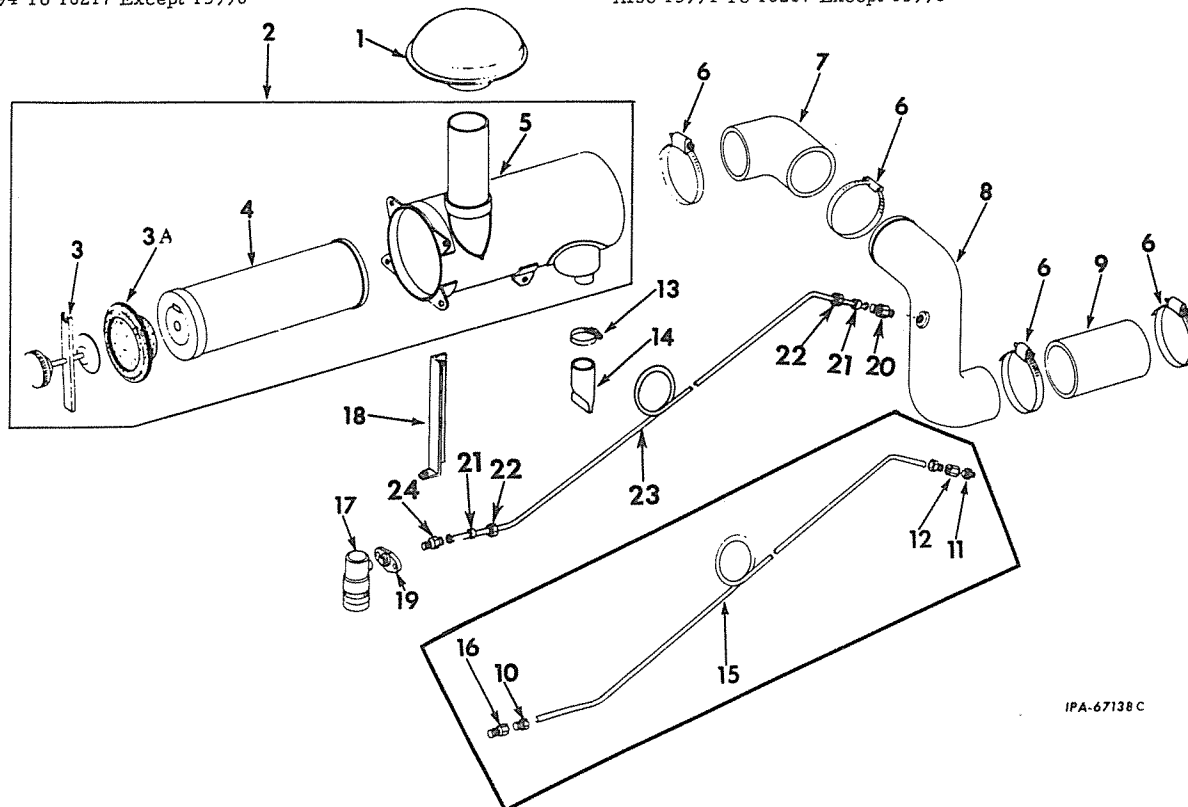
# FUEL SYSTEM



REF. PART NO.	PART NUMBER	DESCRIPTION	REF. PART NO.	PART NUMBER	DESCRIPTION
---------------	-------------	-------------	---------------	-------------	-------------

**AIR CLEANER AND CONNECTIONS**  
 (United Specialties) (Used on Power Shift Loader Equipped With Altitude Compensation Attachment)  
 L-150P 6501 To 15964  
 Also 15994 To 16217 Except 15996

**AIR CLEANER AND CONNECTIONS - Continued**  
 (United Specialties) (Used on Power Shift Loader Equipped With Altitude Compensation Attachment)  
 L-150P 6501 To 15964  
 Also 15994 To 16217 Except 15996



IPA-67138 C

1	313 625 R91	CAP, weather (#)	20	610 858 C1	CONNECTOR, air cleaner indicator tube
2	338 725 R91	CLEANER ASSY, air (N-108D2S) (see NOTE) (#)			L-150P-12167 to 15964
		3/8" NUT (4)			Also 15994 to 16217
		3/8 x 3/4" hex-hd cap SCREW (4)			except 15996
		3/8" lock WASHER (4)	21	606 926 C1	SLEEVE (2)
3	338 743 R91	LOCK, filter element (193B6K030) (#)			L-150P-12167 to 15964
3A	603 823 C1	GASKET, element seal (615B23) (#)			Also 15994 to 16217
4	338 744 R91	ELEMENT (250C13-S) (#)			except 15996
5		BODY (Not Furnished Separately) (#)	22	606 925 C1	NUT (2)
6	274 089 R91	CLAMP, hose (4) (#)			L-150P-12167 to 15964
7	304 398 R1	ELBOW, air cleaner outlet hose (#)			Also 15994 to 16217
8	331 703 R1	PIPE, air cleaner to turbocharger (#)			except 15996
9	407 015 R1	HOSE, air cleaner to turbocharger pipe (3" ID x 2-1/2" long) (*) (#)	23	611 429 C11	TUBE w/2 SLEEVE 606 926 C1 and 2 NUT
10	36 092 D	NUT, 1/8" tube coupling (2)			L-150P-12167 to 15964
		L-150P-6501 to 12166			Also 15994 to 16217
11	317 972 R91	NIPPLE and FILTER, air cleaner			except 15996
12	19 715 R1	ELBOW, 1/8"NPT	24	606 999 C1	CONNECTOR, air cleaner filter indicator tube
		L-150P-6519 to 12166			L-150P-12167 to 15964
13	274 085 R91	CLAMP, automatic dust unloader (#)			Also 15594 to 16217
14	324 194 R1	UNLOADER, automatic dust (#)		606 519 C1	PLATE, air cleaner indicator name
15	331 978 R1	TUBE, air cleaner indicator		624 919 C91	PACKAGE, air cleaner field improvement
		L-150P-6519 to 12166			(consists of AIR CLEANER 627 096 C91
16	59 939 D	CONNECTOR, hi-duty male pipe			and DRAWING 12G9902)
		L-150P-6519 to 12166			
17	346 666 R91	INDICATOR, air cleaner filter			(#) - Not Used With Heavy Duty Air Cleaner.
18	331 706 R1	SUPPORT, air cleaner (#)			(*) - Part Number And Price Covers One
		3/8" NUT			Foot Of Hose, Furnished Only In Three
		3/8 x 3/4" hex-hd cap SCREW			Foot Lengths.
		3/8" lock WASHER			NOTE - AIR CLEANER ASSY 338 725 R91
19	284 874 C1	FLANGE, air cleaner filter indicator mounting			No Longer Available, Order AIR
		No. 12 NUT (2)			CLEANER ASSY 627 096 C91 Listed
		12 x 3/4" hex-hd cap SCREW (2)			Under AIR CLEANER and CONNEC-
		No. 12 lock WASHER (2)			TIONS L-150G 15965 To 15993 and
					16218 Up, Also 15996 - L-150P 15965
					To 15993 and 16218 Up, Also 15996



# MEMORANDA





# FUEL SYSTEM



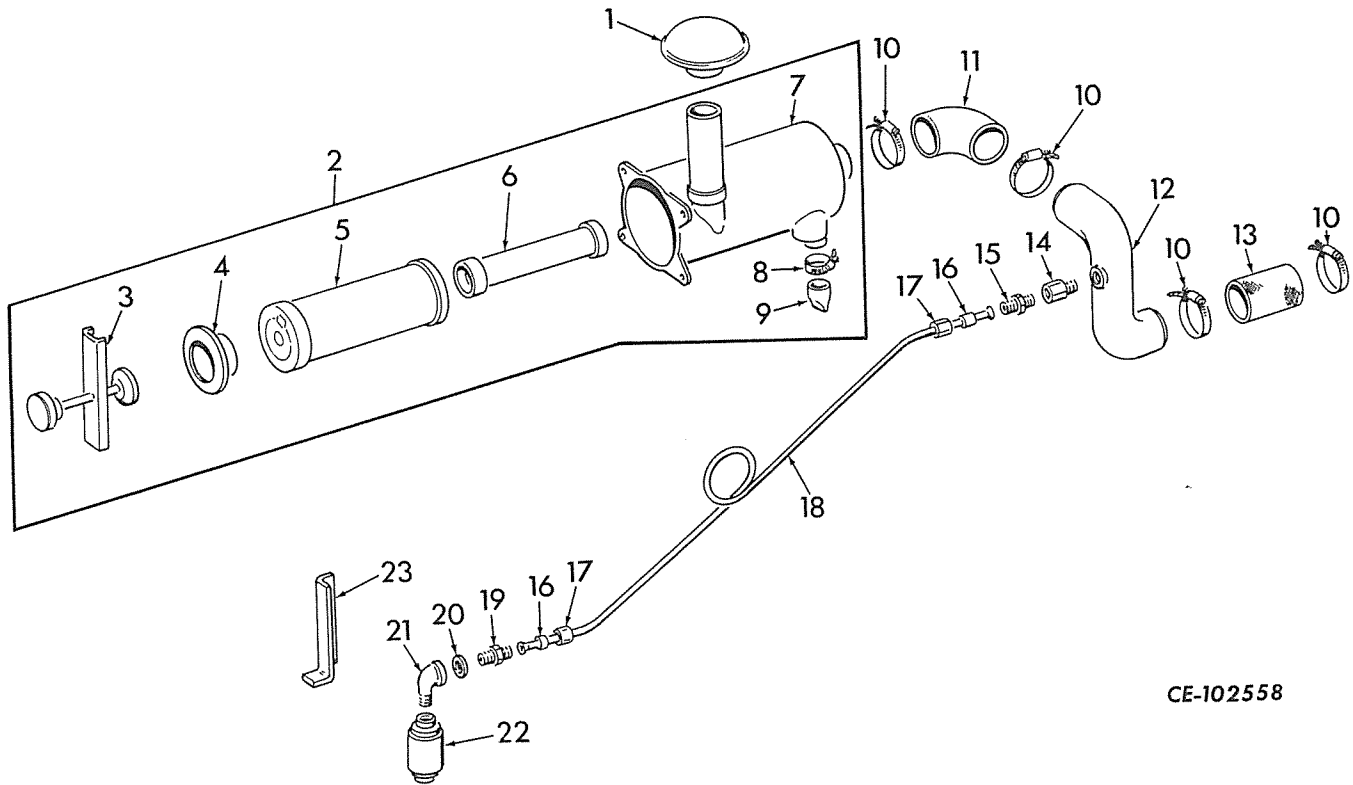
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------	----------	-------------	-------------

**AIR CLEANER AND CONNECTIONS**

(United Specialties) (Used on Manual Shift Loaders or Power Shift Loaders Equipped With Altitude Compensation Attachment)  
 L-150G 15965 To 15993 and 16218 Up, Also 15996  
 L-150P 15965 To 15993 and 16218 Up, Also 15996

**AIR CLEANER AND CONNECTIONS - Continued**

(United Specialties) (Used on Manual Shift Loaders or Power Shift Loaders Equipped With Altitude Compensation Attachment)  
 L-150G 15965 To 15993 and 16218 Up, Also 15996  
 L-150P 15965 To 15993 and 16218 Up, Also 15996



CE-102558

1	272 152 R91	CAP, weather	13	407 015 R1	HOSE, air cleaner pipe
2	627 096 C91	CLEANER ASSY, air	14	317 972 R91	NIPPLE and FILTER, air cleaner
	25 522 R1	NUT, 3/8" (4)	15	610 858 C1	CONNECTOR, air cleaner indicator tube
	24 839 R1	SCREW, 3/8 x 3/4" hex-hd cap (4)	16	606 926 C1	SLEEVE (2)
	115 093	WASHER, 3/8" lock (4)	17	606 925 C1	NUT (2)
3	338 743 R91	LOCK, filter element	18	611 429 C11	TUBE w/two SLEEVE 606 926 C1 and two NUT 606 925 C1, air cleaner indicator
4	603 824 C1	GASKET, element seal	19	606 999 C1	CONNECTOR, air cleaner filter indicator tube
5	627 114 C1	ELEMENT, air cleaner	20	21 403 R1	WASHER, air cleaner filter indicator
6	627 115 C1	ELEMENT, cleaner safety	21	444 476	ELBOW, air cleaner filter indicator
7		BODY (Not Furnished Separately)	22	366 078 C1	INDICATOR, air cleaner filter
8	526 609 R91	CLAMP, dust unloader	23	331 706 R1	BRACKET, air cleaner support
9	324 194 R1	UNLOADER, dust		24 839 R1	SCREW, 3/8 x 3/4" hex-hd cap
10	274 089 R91	CLAMP, air cleaner hose (4)		115 093	WASHER, 3/8" lock
11	304 398 R1	ELBOW, air cleaner outlet hose		25 522 R1	NUT, 3/8"
12	331 703 R1	PIPE, air cleaner to turbocharger			





# FUEL SYSTEM

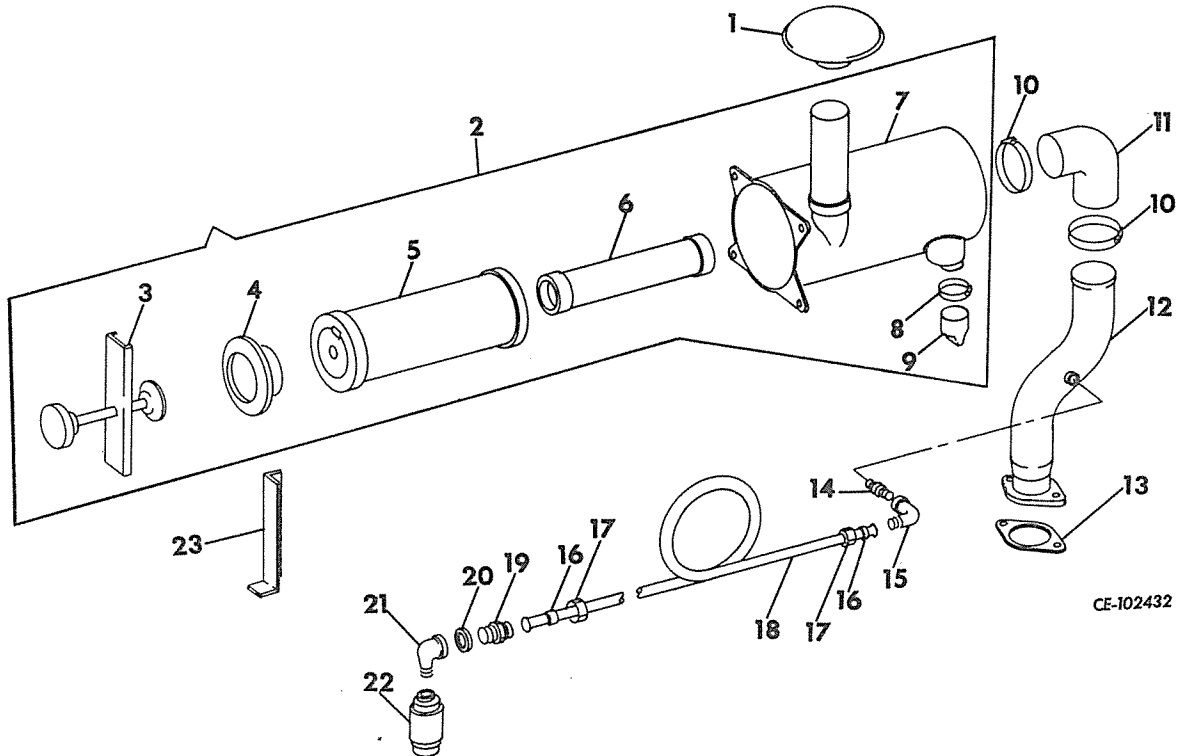


REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

**AIR CLEANER AND CONNECTIONS**  
 (United Specialties) (Used on Power Shift Loaders Without Altitude Compensation Attachment)  
 L-150P 15965 To 15993 and 16218 Up, Also 15996

**AIR CLEANER AND CONNECTIONS - Continued**  
 (United Specialties) (Used on Power Shift Loaders Without Altitude Compensation Attachment)  
 L-150P 15965 To 15993 and 16218 Up, Also 15996



CE-102432

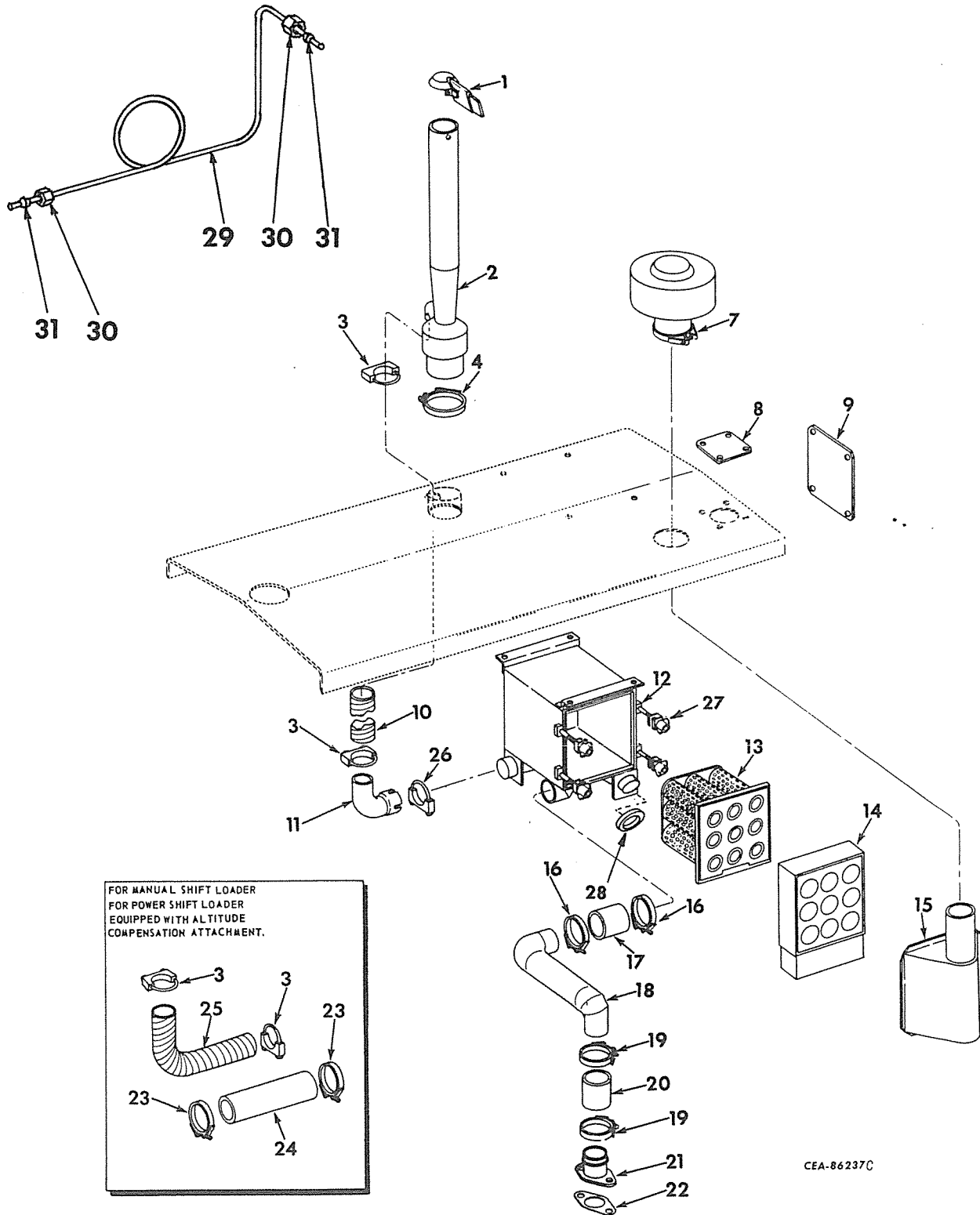
1	272 152 R91	CAP, weather	13	369 497 R2	GASKET, air cleaner outlet pipe
2	627 096 C91	CLEANER ASSY, air	14	317 972 R91	NIPPLE and FILTER, air cleaner
	25 522 R1	NUT, 3/8" (4)	15	610 040 C1	ELBOW, air cleaner indicator tube
	24 839 R1	SCREW, 3/8 x 3/4" hex-hd cap (4)	16	606 926 C1	SLEEVE (2)
	115 093	WASHER, 3/8" lock (4)	17	606 925 C1	NUT (2)
3	338 743 R91	LOCK, filter element	18	624 909 C91	TUBE w/two SLEEVE, 606 926 C1 and two NUT, 606 925 C1, air cleaner indicator
4	603 824 C1	GASKET, element seal	19	606 999 C1	CONNECTOR, air cleaner filter indicator tube
5	627 114 C1	ELEMENT, air cleaner	20	21 403 R1	WASHER, air cleaner filter indicator
6	627 115 C1	ELEMENT, cleaner safety	21	444 476	ELBOW, air cleaner filter indicator
7		BODY (Not Furnished Separately)	22	366 078 C1	INDICATOR, air cleaner filter
8	526 609 R91	CLAMP, dust unloader	23	331 706 R1	BRACKET, air cleaner support
9	324 194 R1	UNLOADER, dust		25 522	NUT, 3/8"
10	274 089 R91	CLAMP, air cleaner outlet hose elbow (2)		24 839 R1	SCREW, 3/8 x 3/4" hex-hd cap
11	304 398 R1	ELBOW, air cleaner outlet hose		115 093	WASHER, 3/8" lock
12	624 900 C2	PIPE, air cleaner outlet			
	24 849 R1	SCREW, 7/16 x 1" hex-hd cap (2)			
	115 314	WASHER, 7/16" lock (2)			

# FUEL SYSTEM



AIR CLEANER (HEAVY DUTY)  
(Farr Co.)

AIR CLEANER (HEAVY DUTY) - Continued  
(Farr Co.)



CEA-86237C

# FUEL SYSTEM



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
AIR CLEANER (HEAVY DUTY) (Farr Co.)			AIR CLEANER (HEAVY DUTY) - Continued (Farr Co.)		
		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.	27	702 718 C1	FASTENER, cam type panel (4)
			28	615 864 C1	GASKET, aspirator tube
A	609 833 C92	ATTACHMENT, heavy duty air cleaner (for Manual Shift Loaders) (for Power Shift Loaders equipped with Altitude Compensation Attachment) (see NOTE 3)	29	616 284 C11	TUBE, w/two NUT 606 925 C1 and two SLEEVE, 606 926 C1, air cleaner indicator (Attachments C and D)
B	609 834 C92	ATTACHMENT, heavy duty air cleaner (for Power Shift Loaders) (see NOTE 3)	30	606 925 C1	NUT, air cleaner indicator tube (Attachments C and D)(2)
1	610 645 C91	CAP, exhaust rain	31	606 926 C1	SLEEVE, air cleaner indicator tube (Attachments C and D)(2)
2	610 644 C91	ASPIRATOR, exhaust		20 337 R1	ELBOW, engine and transmission oil pressure (cast iron) (cd-zn-pltd) (optional with 444 163 and 20 338 R1) (3)
3	170 570 R91	CLAMP, metal tube		444 163	ELBOW, engine and transmission oil pressure (brass) (optional with 20 337 R1 and 20 338 R1)(3)
4	615 232 C91	CLAMP, aspirator		20 338 R1	ELBOW, engine and transmission oil pressure (malleable iron) (cd-zn-pltd) (optional with 20 337 R1 and 444 163) (3)
				407 010 R1	HOSE, 2-1/4" ID bulk (x)
7	606 827 C91	CAP, air inlet		407 015 R1	HOSE, 3" ID bulk (x)
8		COVER, air intake hole (Not Furnished Separately)	1 085 172 R1		PAMPHLET, installation instruction (Attachment A)
	109 084	1/4" NUT (4)	1 085 174 R1		PAMPHLET, installation instruction (Attachment B)
	179 799	1/4 x 1-1/4" hex-hd cap SCREW (4)	2 752 940 R1		PRODUCT GRAPHIC, air cleaner instructions
	103 319	1/4" lock WASHER (4)			
9		COVER, dash hole (Not Furnished Separately)			
	102 634	5/16" NUT (4)			
	179 818	5/16 x 1" hex-hd cap SCREW (4)			
	103 320	5/16" lock WASHER (4)			
	103 340	11/32 x 11/16" x 16 ga. WASHER (4)			
10	610 642 C1	HOSE, metal (Attachment B)			
11	610 641 C1	ELBOW, dust outlet (Attachment B)			
12	702 725 C91	HOUSING, w/GASKET 615 864 C1 and (4) fastener 702 718 C1, air cleaner			
13	610 636 C91	ELEMENT, air cleaner			
14	702 726 C1	PANEL, rotopamic			
15	610 637 C92	ADAPTER, air inlet			
16	274 089 R91	CLAMP, 3" ID hose (2 for Attachment B)			
17		HOSE, 3" ID x 2-1/2" long (cut from bulk HOSE, 407 015 R1) (Attachment B)			
18	610 646 C1	TUBE, outlet (Attachment B)			
19	279 028 R91	CLAMP, 2-1/4" ID hose (2 for Attachment B)			
20		HOSE, 2-1/4" ID x 2-1/2" long (cut from bulk HOSE, 407 010 R1) (Attachment B)			
21	610 648 C91	CONNECTOR, air inlet (Attachment B)			
22	369 497 R2	GASKET, air inlet connector (Attachment B)			
23	274 089 R91	CLAMP, 3" ID hose (2 for Attachment A)			
24		HOSE, 3" ID x 11" long (cut from bulk HOSE, 407 015 R1)			
25	610 642 C1	HOSE, 1-1/2" ID x 24" metal (Attachment A)			
26	610 647 C91	CLAMP, elbow (Attachment B)			

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.  
(x) - Order Cut Length As Required.

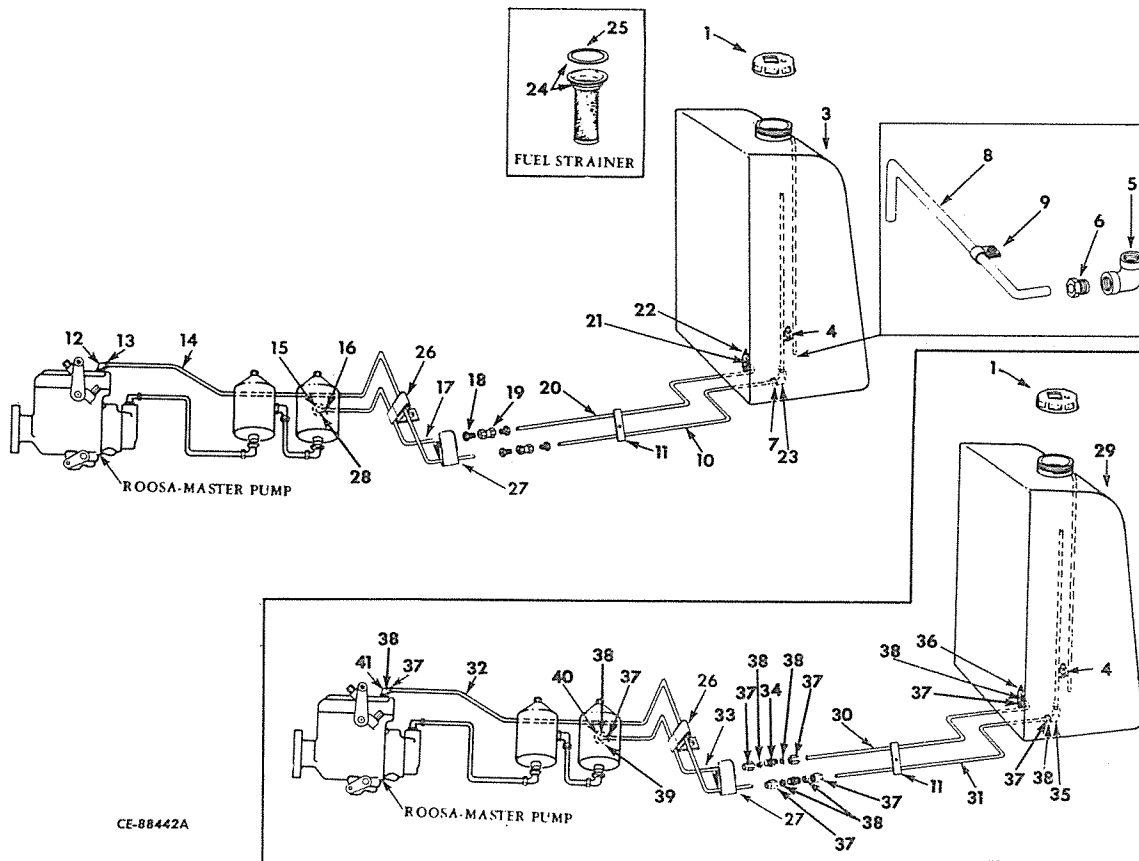
# FUEL SYSTEM



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------	----------	-------------	-------------

**TUEL TANK, PIPING AND FUEL STRAINER**  
For Roosa-Master Fuel Injection Pump

**FUEL TANK, PIPING AND FUEL STRAINER**  
For Roosa-Master Fuel Injection Pump - Continued



CE-88442A

1	701 922 C2	CAP, w/GASKET 618 688 C1, filler (Will work for CAP 305 798 R1)	10	318 734 R1	TUBE, rear fuel return (for use w/TANK, 318 737 R91)
	618 688 C1	GASKET (used w/CAP 701 922 C1)			L-150P 6501 to 6825
3	341 947 R91	TANK, fuel (33 gal)	10	331 487 R1	TUBE, rear fuel return (for use w/TANK, 341 947 R91 or 604 590 C91)
		L-150P 6501 to 12562			L-150G 6519 to 6825
		L-150G 6519 to 12562			L-150P 6826 to 12166
		(Order the following parts -			L-150G 6826 to 12166
		2 CONNECTOR 603 867 C1			
		1 CONNECTOR 606 819 C1			
		1 ELBOW 606 930 C1	11	42 385 D	CLAMP, fuel pipe
		1 TANK 611 419 C92			(4) L-150P 6501 to 10074
		1 TUBE 611 423 C11			(4) L-150G 6519 to 10074
		1 TUBE 611 434 C11			
		TD-9BG 6502 to 6825			102 635 3/8" NUT (2)
		TD-9BP 6502 to 6825			179 845 3/8 x 1-3/4" hex-hd cap SCREW (2)
		1 TUBE 611 424 C11			179 843 3/8 x 1-1/2" hex-hd cap SCREW
		TD-9BG 6826 up			103 321 3/8" lock WASHER (3)
		TD-9BP 6826 up	11	604 557 C1	CLIP, fuel pipe (on steering clutch inspection cover bolt)
		1 TUBE 611 425 C11			L-150P 10075 to 14048
		1 TUBE 611 427 C11			L-150G 10075 to 14048
		1 VALVE 606 928 C91 )	11	616 369 C1	CLIP, rear fuel line (on steering clutch inspection cover bolt)
		1/2 x 1-1/4" hex-hd cap SCREW (6)			L-150P 14049 up
		1/2" lock WASHER (6)			L-150G 14049 up
4	24 861 R1	VALVE, fuel tank drain			
5	116 121	ELBOW, fuel tank overflow tube			
	31 729 D	L-150P 6501 to 10074	12	37 167 D	ELBOW, 1/8" (hi-duty) fuel return (in pump) (for Roosa-Master Pumps)
	67 869 D	L-150G 6519 to 10074			L-150PM 5698 to 12165
6	29 898 D	NUT, fuel tank overflow tube (nylon)			L-150GM 5698 to 12165
		L-150P 6501 to 10074			
		L-150G 6519 to 10074	13	37 165 D	NUT, return tube (pump end)
7	37 165 D	NUT, nylon fuel return (in stand pipe elbow)			L-150P 5698 to 12165
		L-150P 6501 to 12166			L-150G 5698 to 12165
		L-150G 6519 to 12166	14	311 352 R1	TUBE, front fuel return
8	318 729 R1	TUBE, fuel tank overflow			L-150P 6501 to 12166
		L-150P 6501 to 10074			L-150G 6519 to 12166
		L-150G 6519 to 10074	15	50 607 D	ELBOW, fuel supply tube
		L-150P 6501 to 10074			L-150P 5698 to 12165
		L-150G 6519 to 10074			L-150G 5698 to 12165



# FUEL SYSTEM



REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

FUEL TANK, PIPING AND FUEL STRAINER  
For Roosa-Master Fuel Injection Pump - Continued

FUEL TANK, PIPING AND FUEL STRAINER  
For Roosa-Master Fuel Injection Pump - Continued

16	19 986 R1	NUT (nylon) fuel supply tube L-150P 5698 to 12165 L-150G 5698 to 12165
17	311 350 R1	TUBE, front fuel supply L-150P 6501 to 12166 L-150G 6519 to 12166
18	37 165 D	NUT (nylon) fuel supply and fuel return tube connector (4) L-150P 6501 to 12166 (4) L-150G 6519 to 12166
19	55 999 D	CONNECTOR, fuel supply and fuel return tubes (2) L-150P 6501 to 12166 (2) L-150G 6519 to 12166
20	318 735 R1	TUBE, rear fuel supply L-150P 6501 to 12166 L-150G 6519 to 12166
21	37 165 D	NUT (nylon) fuel supply (valve end) L-150P 6501 to 12166 L-150G 6519 to 12166
22	307 881 R91	VALVE, fuel shut off L-150P 6501 to 12166 L-150G 6519 to 12166
23	319 884 R1	ELBOW, fuel return stand pipe L-150P 6501 to 12166 L-150G 6519 to 12166
24	266 337 R91	ATTACHMENT, fuel strainer (consists of STRAINER and GASKET, 303 962 R1) (see NOTES 1 and 3)
25	303 962 R1	GASKET, fuel strainer
26	604 559 C1	CLIP, front fuel line (on clutch cover bolt) L-150P 10075 to 14048 L-150G 10075 to 14048
26	616 367 C1	CLIP, front fuel line (on clutch cover bolt) L-150P 14049 up L-150G 14049 up
27	604 558 C1	CLIP, center fuel line (on clutch cover bolt) L-150P 10075 to 14048 L-150G 10075 to 14048
27	616 368 C1	CLIP, center fuel line (on clutch cover bolt) L-150P 14049 up L-150G 14049 up
28	38 026 DM	CONNECTOR, L-150P 6501 to 12166 L-150G 6519 to 12166
29	611 419 C92	TANK w/CAP, 701 922 C2, fuel (33 gallons) L-150P 12563 up L-150G 12563 up
	24 861 R1 116 121	1/2 x 1-1/4" hex-hd cap SCREW (6) 1/2" lock WASHER (6)
30	611 423 C11	TUBE w/two NUT 265 205 R1 and two SLEEVE, 265 204 R1, rear fuel supply L-150P 12167 up L-150G 12167 up
31	611 424 C1	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, rear fuel return L-150P 12167 up L-150G 12167 up

32	611 425 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, front L-150P 12167 up L-150G 12167 up
33	611 426 C11	TUBE, w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, front fuel supply L-150P 12167 up L-150G 12167 up
34	603 867 C1	CONNECTOR, tube (2) L-150P 12167 up (2) L-150G 12167 up
35	333 774 R1	ELBOW, fuel return stand pipe L-150P 12167 up L-150G 12167 up
36	606 928 C91	VALVE, fuel shut-off L-150P 12167 up L-150G 12167 up
37	265 205 R1	NUT, fuel supply and return (8) L-150P 12167 up (8) L-150G 12167 up
38	265 204 R1	SLEEVE (8) L-150P 12167 up (8) L-150G 12167 up
39	606 819 C1	CONNECTOR L-150P 12167 up L-150G 12167 up
40	613 689 C1	ELBOW, front fuel supply L-150PM 12166 up L-150GM 12166 up
41	606 930 C1	ELBOW, 1/8" fuel return (in pump) L-150PM 12166 up L-150GM 12166 up
	275 159 R11	BRACKET, fuel tank support (2)
	120 755	COUPLING, 3/8" pipe (for use with drain valve)
	144 603	NIPPLE, 3/8" NPT x 3" long pipe (for use with drain valve)
	305 799 R1	RING, sealing (Used w/CAP 305 798 R11)

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

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



# FUEL SYSTEM

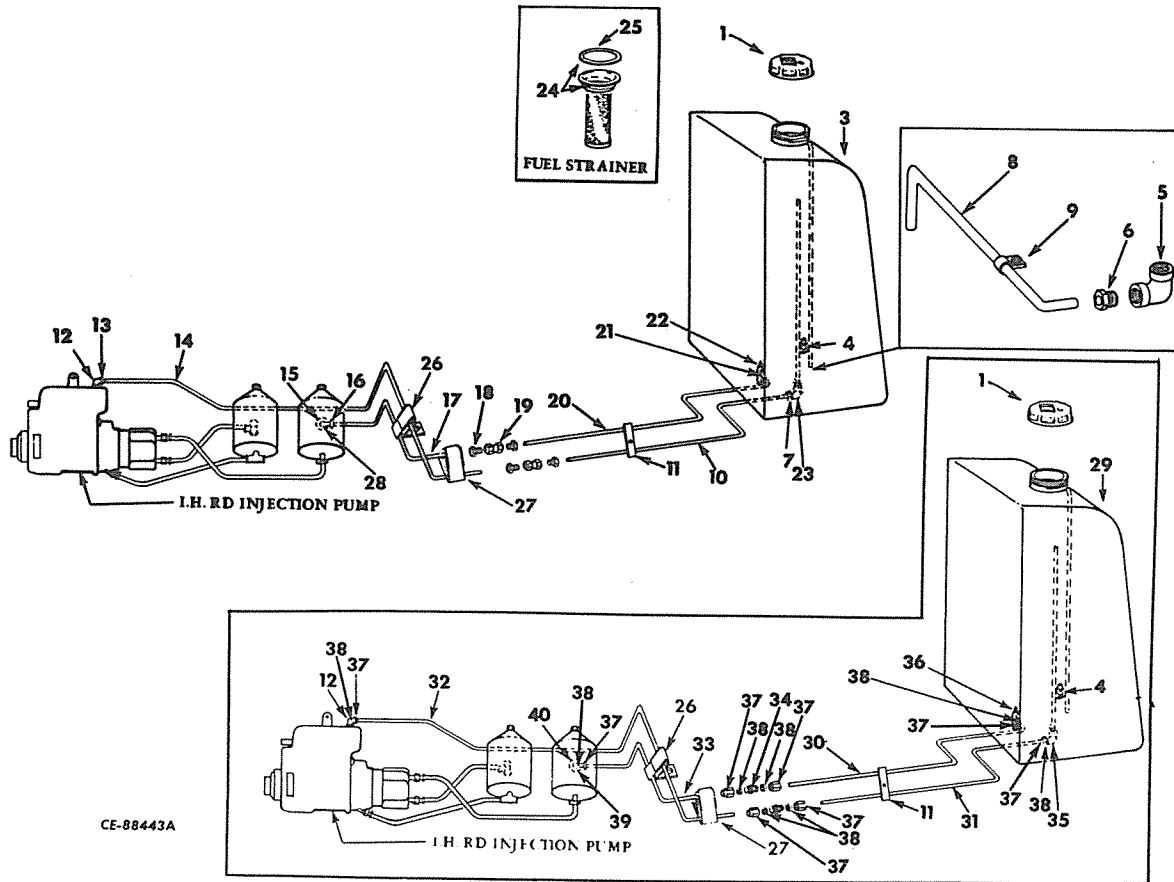


REF. PART  
NO. NUMBER DESCRIPTION

REF. PART  
NO. NUMBER DESCRIPTION

FUEL TANK, PIPING AND FUEL STRAINER  
For I. H. R. D. Fuel Injection Pumps

FUEL TANK, PIPING AND FUEL STRAINER  
For I. H. R. D. Fuel Injection Pumps - Continued



1	701 922 C2	CAP, w/GASKET, 618 688 C1, filler (Will work for CAP 305 798 R11)
3	618 688 C1	TANK, GASKET (used w/CAP 701 922 C1) fuel (33 gal)
3	341 947 R91	TANK, fuel (33 gal.) L-150P 6501 to 12562 L-150G 6519 to 12562
(Order the following parts -		
	2	CONNECTOR 603 867 C1
	2	CONNECTOR 606 819 C1
	1	TANK 611 419 C92
	1	TUBE 611 423 C11
	1	TUBE 611 434 C11
		TD-9BG 6502 to 6825
		TD-9BP 6525 to 6825
	1	TUBE 611 424 C11
		TD-9BG 6826 up
		TD-9BP 6826 up
	1	TUBE 611 433 C11
	1	TUBE 611 426 C11
	1	VALVE 606 928 C91 )
	24 861 R1	1/2 x 1-1/4" hex-hd cap SCREW (6)
	116 121	1/2" lock WASHER (6)
4	31 729 D	VALVE, fuel tank drain
5	67 869 D	ELBOW, fuel tank overflow tube L-150P 6501 to 10074 L-150G 6519 to 10074
6	29 898 D	NUT, fuel tank overflow tube (nylon) L-150P 6501 to 10074 L-150G 6519 to 10074
7	37 165 D	NUT, nylon fuel return (in stand pipe elbow) L-150P 6501 to 12166 L-150G 6519 to 12166
8	318 729 R1	TUBE, fuel tank overflow L-150P 6501 to 10074 L-150G 6519 to 10074

9	61 387 D	CLIP, fuel tank overflow tube L-150P 6501 to 10074 L-150G 6519 to 10074
10	318 734 R1	TUBE, rear fuel return (for use w/TANK, 318 737 R91) L-150P 6501 to 6825 L-150G 6519 to 10074
10	331 487 R1	TUBE, rear fuel return (for use w/TANK, 341 947 R91) L-150P 6826 to 12166 L-150G 6826 to 12166
10	611 434 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, rear fuel return (for use w/TANK, 611 419 C92) L-150P 6501 to 6825 L-150G 6519 to 6825
11	42 385 D	CLAMP, fuel pipe (4) L-150P 6501 to 10074 (4) L-150G 6519 to 10074
	102 635	3/8" NUT (2)
	179 845	3/8 x 1-3/4" hexphd cap SCREW (2)
	179 843	3/8 x 1-1/2" hex-hd cap SCREW
	103 321	3/8" lock WASHER (3)
11	604 557 C1	CLIP, fuel pipe (on steering clutch inspection cover bolt) L-150P 10075 to 14048 L-150G 10075 to 14048
11	616 369 C1	CLIP, rear fuel line (on steering clutch inspection cover bolt) L-150P 14049 up L-150G 14049 up
12	37 323 D	ELBOW, fuel return (in pump) for international RD pump serial No. 1000 to 6227)



# FUEL SYSTEM



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
FUEL TANK, PIPING AND FUEL STRAINER For I. H. R. D. Fuel Injection Pumps - Continued			FUEL TANK, PIPING AND FUEL STRAINER For I. H. R. D. Fuel Injection Pumps - Continued		
12	346 792 R1	ELBOW, 1/4" x 90° restricted fuel return (in pump) (for International RD pump serial No. 6228 up	30	611 423 C11	TUBE, w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, rear fuel supply L-150P 12167 up L-150G 12167 up
13	37 165 D	NUT, return tube (pump end) L-150PM 5698 to 12165 L-150GM 5698 to 12165	31	611 424 C1	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, rear fuel return L-150P 12167 up L-150G 12167 up
14	338 107 R1	TUBE, front fuel return (use with TANK 341 947 R91 or TANK 604 590 C91) L-150P 6501 to 12562 L-150G 6519 to 12562	32	611 433 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, front fuel return (used with TANK, 611 419 C91) L-150P 12167 up L-150G 12167 up
15	50 607 D	ELBOW, fuel supply tube L-150P 5698 to 12165 L-150G 5698 to 12165	33	611 426 C11	TUBE, w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, front fuel supply L-150P 12167 up L-150G 12167 up
16	19 986 R1	NUT (nylon) fuel supply tube L-150P 5698 to 12165 L-150G 5698 to 12165	34	603 867 C1	CONNECTOR, tube (2) L-150P 12167 up (2) L-150G 12167 up
17	311 350 R1	TUBE, front fuel supply L-150P 6501 to 12166 L-150G 6519 to 12166	35	333 774 R1	ELBOW, fuel return stand pipe L-150P 12167 up L-150G 12167 up
18	37 165 D	NUT (nylon) fuel supply and fuel return tube connector (4) L-150P 6501 to 12166 (4) L-150G 6519 to 12166	36	606 928 C91	VALVE, fuel shut-off L-150P 12167 up L-150G 12167 up
19	55 999 D	CONNECTOR, fuel supply and fuel return tubes (2) L-150P 6501 to 12166 (2) L-150G 6519 to 12166	37	265 205 R1	NUT, fuel supply and return (8) L-150P 12167 up (8) L-150G 12167 up
20	318 735 R1	TUBE, rear fuel supply L-150P 6501 to 12166 L-150G 6519 to 12166	38	265 204 R1	SLEEVE (8) L-150P 12167 up (8) L-150G 12167 up
21	37 165 D	NUT (nylon) fuel supply (valve end) L-150P 6501 to 12166 L-150G 6519 to 12166	39	606 819 C1	CONNECTOR L-150P 12167 up L-150G 12167 up
22	307 881 R91	VALVE, fuel shut-off L-150P 6501 to 12166 L-150G 6519 to 12166	40	613 689 C1	ELBOW, front fuel supply ("flex-type") L-150PM 12166 up L-150GM 12166 up
23	319 884 R1	ELBOW, fuel return stand pipe L-150P 6501 to 12166 L-150G 6519 to 12166	275 159 R11		BRACKET, fuel tank support (2)
24	266 337 R91	ATTACHMENT, fuel strainer (consists of STRAINER and GASKET, 303 962 R1) (see NOTES 1 and 3)	120 755		COUPLING, 3/8" pipe (for use with drain valve)
25	303 962 R1	GASKET, fuel strainer	144 603		NIPPLE, 3/8"NPT x 3" long pipe (for use with drain valve)
26	604 559 C1	CLIP, front fuel line (on clutch cover bolt) L-150P 10075 to 14048 L-150G 10075 to 14048	305 799 R1		RING, sealing (Used w/CAP 305 798 R11)
26	616 367 C1	CLIP, front fuel line (on clutch cover bolt) L-150P 14049 up L-150G 14049 up			
27	604 558 C1	CLIP, center fuel line (on clutch cover bolt) L-150P 10075 to 14048 L-150G 10075 to 14048			
27	616 368 C1	CLIP, center fuel line (on clutch cover bolt) L-150P 14049 up L-150G 14049 up			
28	38 026 DM	CONNECTOR L-150P 6501 to 12166 L-150G 6519 to 12166			
29	611 419 C92	TANK w/CAP 701 922 C1, fuel (33 gals.) L-150P 12563 up L-150G 12563 up 1/2 x 1-1/4" hex-hd cap SCREW (6) 1/2" lock WASHER (6)			

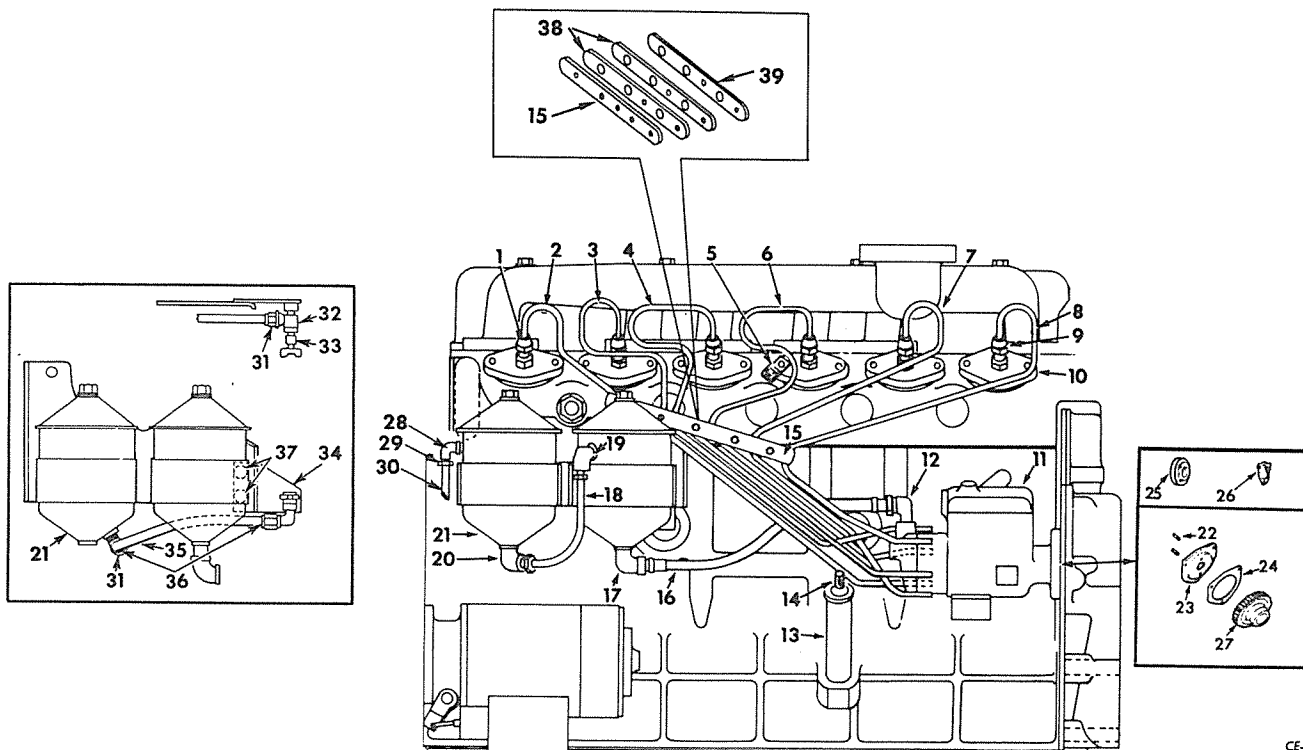
NOTE 1 - Factory Application - Order on Machine Order Form.

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

# FUEL SYSTEM



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
<b>FUEL INJECTION PUMP DRIVE AND INJECTION PIPES</b> (Used With Roosa-Master Fuel Injection Pump) L-150GM 5698 to 6673 L-150PM 5698 to 6674 L-150GM 10995 up L-150PM 11375 up			<b>FUEL INJECTION PUMP DRIVE AND INJECTION PIPES - Continued</b> (Used With Roosa-Master Fuel Injection Pump) L-150GM 5698 to 6673 L-150PM 5698 to 6674 L-150GM 10995 up L-150PM 11375 up		



CE-88196 B

1	250 617 R1	NUT, injection pipe (nozzle end) (6)	11	338 818 R91(+)	PUMP ASSY, fuel injection (DBGFC-631-77AE) (2200 RPM) (used on Power Shift Loaders equipped with Altitude Compensation Attachment) (see NOTE) L-150PM 5698 to 6674
2	278 707 R11	PIPE, injection (cylinder No. 6)	11	610 500 C91(+)	PUMP ASSY, fuel injection (DBGFC-631-27AJ) (2200 RPM) (used on Power Shift Loaders not equipped with Altitude Compensation Attachment) (see NOTE) L-150PM 11375 up
3	278 706 R11	PIPE, injection (cylinder No. 5)	11	610 502 C91	PUMP ASSY, fuel injection (DBGFC-631-88AE) (1800 RPM) (used on Manual Shift Loaders) (see NOTE) L-150GM 10995 up
4	278 705 R11	PIPE, injection (cylinder No. 4)	11	615 071 C91 (+)	PUMP ASSY, fuel injection (DBGFC-631-18AL) (2200 RPM) (used on Power Shift Loaders equipped with Altitude Compensation Attachment) (see NOTE) L-150PM 11375 up
5	42 915 D	BLOCK, junction (refer to "Electric Starting")	12	118 755	ELBOW, 3/8" x 90° flared tube (injection) pump inlet
6	278 704 R11	PIPE, injection (cylinder No. 3)	NOTE - Pumps Listed With Symbol (+) Are Not Available Under Part Numbers Shown - Order Basic Pump And Necessary Parts As Shown In The Parts Catalog PU-70. Also Refer To The PU-70 Catalog For Detail Parts On All Roosa-Master Pumps.		
7	278 703 R11	PIPE, injection (cylinder No. 2)			
8	278 702 R21	PIPE, injection (cylinder No. 1)			
9	278 321 R1	FITTING, nozzle (also listed and illustrated with "Injection Nozzle") (6)			
10	310 388 R91	NOZZLE ASSY, injection (for components see list of parts under details of "Injection Nozzle") (6)			
11	321 201 R91(+)	PUMP ASSY, fuel injection (DBGFC-631-51AE) (1800 RPM) (used on Manual Shift Loaders) (see NOTE) L-150GM 5698 to 6673			
11	327 432 R91(+)	PUMP ASSY, fuel injection (DBGFC-631-73AE) (2200 RPM) (used on Power Shift Loaders) (see NOTE) L-150PM 5698 to 6674			





# FUEL SYSTEM



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
<b>FUEL INJECTION PUMP DRIVE AND INJECTION PIPES - Continued</b> (Used with Roosa-Master Fuel Injection Pump) L-150GM 5698 to 6673 L-150PM 5698 to 6674 L-150GM 10995 up L-150PM 11375 up			<b>FUEL INJECTION PUMP DRIVE AND INJECTION PIPES - Continued</b> (Used with Roosa-Master Fuel Injection Pump) L-150GM 5698 to 6673 L-150PM 5698 to 6674 L-150GM 10995 up L-150PM 11375 up		
13	368 985 R2	TUBE, oil filler (also listed and illustrated with "Crankcase and Related Parts")	36	265 204 R1	SLEEVE (for water separator attachment) (2)
14	368 986 R91	GAUGE, oil level (also listed and illustrated with "Crankcase and Related Parts")	37	265 205 R1	NUT (for water separator attachment) (2)
15	332 490 R1	CLAMP, injection pipe (tapped)	703 246 C91		ATTACHMENT, water separator element (Consists of the following parts) (see NOTES 1 and 3)
	181 317	1/4NF x 1-1/4" hex-hd cap SCREW (5)		1	BRACKET 703 247 C1
	103 319	1/4" lock WASHER (3)		1	COCK 134 519
	103 339	9/32 x 5/8 x 16 ga WASHER (3)		1	ELEMENT 610 309 C91
16	275 946 R91	HOSE w/FITTINGS, final fuel filter to injection pump (HOSE, 5/16" ID x 14-1/2" long w/FITTINGS)		2	ELBOW 606 930 C1
17	137 538	ELBOW, 1/4" x 90° (final fuel filter outlet)		1	GASKET 304 102 R1
18	278 335 R11	PIPE, auxiliary filter to final fuel filter	38	332 491 R2	TEE 9 409 943
19	22 510 D	ELBOW, final fuel filter inlet		1	TUBE 616 300 C11
20	65 834 D	ELBOW, auxiliary fuel filter outlet	38	332 491 R2	PAD, injection pipe clamp (2)
21		FILTER ASSY, fuel (for components see list of parts under details of "Primary and Final Fuel Filters") (2)	39	332 489 R1	CLAMP, injection pipe (drilled) (Order PACKAGE 701 127 C91)
22	303 463 R1	STUD, Roosa pump adapter (2)			L150GM 5698 to 6673 Also 10995 to 12850 L150PM 5698 to 6674 Also 11375 to 12850
23	303 462 R11	ADAPTER w/two STUD, 303 463 R1, Roosa pump	39	670 004 C11	CLAMP w/three PINS, 19 387 R1, injection pipe (drilled)
	179 838	3/8 x 7/8" hex-hd cap SCREW (3)			L150GM 12851 Up L150PM 12851 Up
	103 321	3/8" lock WASHER (3)	19 387 R1		PIN, spring (Used w/CLAMP 670 004 C11) (3)
24	278 347 R1	GASKET, injection pump adapter	278 318 R1		BRACKET, fuel filter
25	278 316 R1	HUB, injection pump gear (used with GEAR 278 315 R1)	179 858		7/16 x 1" hex-hd cap SCREW (3)
		5/16 x 1-1/4" hex-hd mach SCREW w/external-tooth lock WASHER (3)	103 322		7/16" lock WASHER (3)
26	278 317 R1	WASHER, injection pump gear (used with GEAR 278 315 R1)	304 313 R1		BRACKET, junction block
27	612 084 C1	GEAR, injection pump drive (will work for injection pump GEAR, 278 315 R1, HUB 278 316 R1 and WASHER 278 317 R1)	263 717 R91		CLIP
28	613 689 C1	ELBOW, front fuel supply ("flex type")	265 126 R91		CLIP, pipe
		L-150GM 12166 up	606 930 C1		ELBOW, 1/8" (hi-duty) fuel return (in pump) (for Roosa-Master pumps) ("flex-type")
		L-150PM 12166 up			L-150GM 12166 up L-150PM 12166 up
28	50 607 D	ELBOW, front fuel supply	367 984 R1		GASKET, fuel line connector (12)
		L-150GM 5698 to 12165	37 167 D		ELBOW, 1/8" (hi-duty) fuel return (in pump) (for Roosa-Master pumps)
		L-150PM 5698 to 12165			L-150GM 5698 to 12165 L-150PM 5698 to 12165
29	149 986 R1	NUT, (nylon) front fuel supply	37 165 D		NUT, return tube (pump end)
		L-150GM 5698 to 12165			L-150GM 5698 to 12165 L-150PM 5698 to 12165
		L-150PM 5698 to 12165	61 921 D		SEAL, injection pump torque screw
30	311 350 R1	TUBE, front fuel supply *	250 610 R2		SLEEVE, injection pipe (6)
31	609 930 C1	ELBOW, 90° x 1/8 NPT (filter outlet and tee inlet) (2) (for water separator attachments)	701 127 C91		PACKAGE, pipe clamp parts
32	94 943	TEE (for water separator attachment)			L150GM 5698 to 6673 Also 10995 to 12850 L150PM 5698 to 6674 Also 11375 to 12850
33	134 519 C1	COCK, drain 1/8" pipe (for water separator attachment)			(Composed of -
34	703 247 C1	BRACKET, water drain tube (for water separator attachment)	678 026 C1		1 CLAMP 670 004 C11
	179 817	5/16-18 x 7/8" hex hd cap SCREW	678 027 C1		2 PAD 332 491 R2
	102 634	5/16-18 NUT	673 178 C1		3 WASHER 103 339
	103 340	11/32 x 11/16" x No. 16 ga. WASHER			3 WASHER 103 319 )
	103 320	5/16" lock WASHER			WIRE, lock (injection pump) (2)
35	616 300 C11	TUBE, w/two SLEEVE 265 204 R1 and two NUT 205 205 R1 water drain (for water separator attachment)			LOCK, seal wire (injection pump) (2)
					PRODUCT GRAPHIC, engine warranty policy

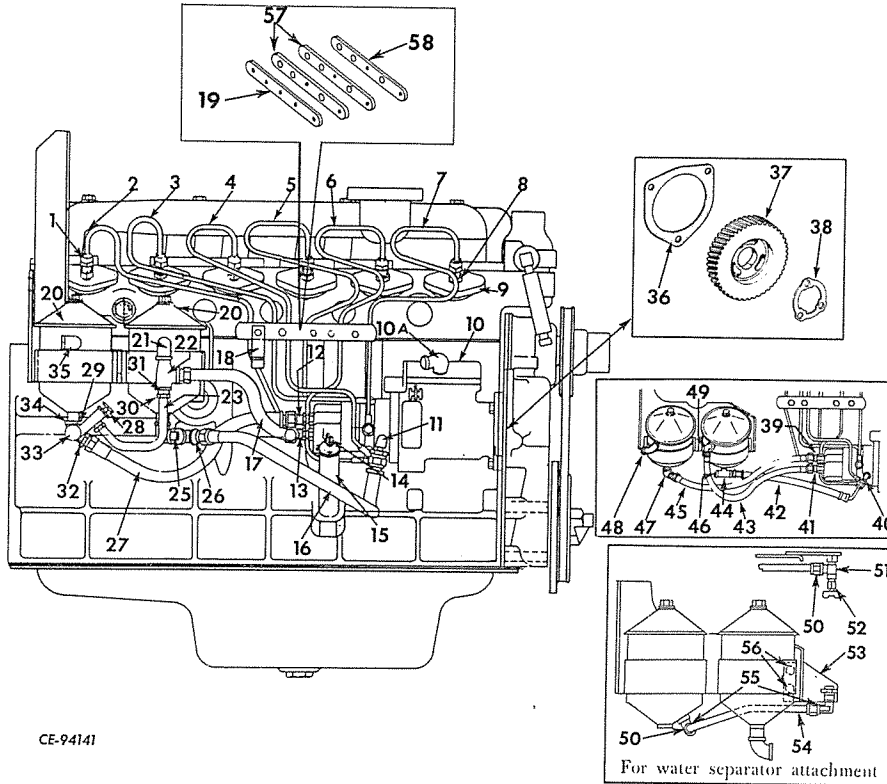
# FUEL SYSTEM



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------	----------	-------------	-------------

**FUEL INJECTION PUMP, PIPES AND CONNECTIONS**  
 (Used With International R. D. Fuel Injection Pump)  
 L-150GM 6674 to 10994  
 L-150PM 6675 to 11374

**FUEL INJECTION PUMP, PIPES AND CONNECTIONS - Continued**  
 (Used With International R. D. Fuel Injection Pump)  
 L-150GM 6674 to 10994  
 L-150PM 6675 to 11374



CE-94141

1	250 617 R1	NUT, injection pipe (nozzle end) (6)	142 619 H	WASHER (3)		
2	323 717 R1	PIPE, injection (cylinder No. 6)		(Order the following parts -		
	332 026 R91	FITTING, extended banjo (on No. 6 injection pipe pump end)		1 PACKAGE	609 121 C91	
	250 617 R1	NUT, injection pipe (pump end)		1 PACKAGE	609 124 C91	
	250 610 R2	SLEEVE, injection pipe (pump end)		1 PUMP, Roosa-	(+) 610 502 C91	
				Master (see NOTE 2)		
3	323 716 R11	PIPE, injection (cylinder No. 5)	10	339 105 R92	PUMP ASSY, International R. D. fuel injection (used on power shift loaders not equipped with altitude compensation attachment) (2200 RPM) (see NOTE 1)	
4	332 618 R11	PIPE, injection (cylinder No. 4)			3/8 x 1-1/8" hex-hd cap SCREW (3)	
5	601 133 C11	PIPE, injection (cylinder No. 3)			3/8" lock WASHER (3)	
6	601 132 C11	PIPE, injection (cylinder No. 2)			WASHER (3)	
7	601 131 C11	PIPE, injection (cylinder No. 1)	142 619 H		(Order the following parts -	
8		FITTING, nozzle (also listed and illustrated with "Injection Nozzle") (6)			1 PACKAGE	609 121 C91
9		NOZZLE ASSY, injection (for components see list of parts under details of "Injection Nozzle") (6)	10A	37 323 D	ELBOW, fuel return	
10	339 109 R91	PUMP ASSY, International R. D. fuel injection (used on power shift loaders equipped with altitude compensation attachment) (2200 RPM) (see NOTE 1)	10A	346 792 R1	ELBOW, 1/4" x 90° restricted fuel return	
		3/8 x 1-1/8" hex-hd cap SCREW (3)			Pump Serial No. 6228 up	
		3/8" lock WASHER (3)				
	142 619 H	WASHER (3)				
		(Order the following parts -				
		1 PACKAGE			609 121 C91	
		1 PACKAGE			609 124 C91	
		1 PUMP, Roosa-Master (+)			615 071 C91	
		(see NOTE 2)				
10	323 728 R92	PUMP ASSY, International R. D. fuel injection (used on manual shift loaders) (1800 RPM) (see NOTE 1)				
		3/8 x 1-1/8" hex-hd cap SCREW (3)				
		3/8" lock WASHER (3)				

NOTE 1 - Refer To International Model R. D. Fuel Injection Pump Parts Catalog PU-67 When Ordering Detail Parts Or Complete Pumps.

NOTE 2 - Pumps Listed With Symbol (+) Are Not Available Under Part Numbers Shown. Order Basic Pump And Necessary Parts As Shown In The Parts Catalog PU-70. Also Refer To The PU-70 Catalog For Detail Parts On All Roosa-Master Pumps.



# FUEL SYSTEM



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
FUEL INJECTION PUMP, PIPES AND CONNECTIONS - Continued (Used With International R. D. Fuel Injection Pump) L-150GM 6674 to 10994 L-150PM 6675 to 11374			FUEL INJECTION PUMP, PIPES AND CONNECTIONS - Continued (Used With International R. D. Fuel Injection Pump) L-150GM 6674 to 10994 L-150PM 6675 to 11374		
11	324 274 R1	ELBOW, injection pump inlet L-150GM 6674 to 7765 L-150PM 6675 to 7765	39	9 410 202	CONNECTOR, primary pump inlet (3/8 - 37° flared tube) L-150GM 7766 to 10994 L-150PM 7766 to 11374
12	324 273 R1	CONNECTOR, primary pump inlet L-150GM 6674 to 7765 L-150PM 6675 to 7765	40	9 410 976	ELBOW, injection pump inlet (3/8 - 37° flared tube) L-150GM 7766 to 10994 L-150PM 7766 to 11374
13	324 273 R1	CONNECTOR, primary pump outlet L-150GM 6674 to 7765 L-150PM 6675 to 7765	41	9 410 202	CONNECTOR, primary pump outlet (3/8 - 37° flared tube) L-150GM 7766 to 10994 L-150PM 7766 to 11374
14		GAUGE, oil level (also listed and illustrated with "Crankcase and Related Parts")	42	347 823 R91	HOSE w/FITTINGS, final filter to injection pump (HOSE, .38" ID x 16" long including FITTINGS) L-150GM 7766 to 10994 L-150PM 7766 to 11374
15		TUBE, oil filler (also listed and illustrated with "Crankcase and Related Parts")	43	347 823 R91	HOSE w/FITTINGS, primary pump to final filter (HOSE, .38" ID x 16" long including FITTINGS) L-150GM 7766 to 10994 L-150PM 7766 to 11374
16	343 968 R91	HOSE w/FITTINGS, final filter to injection pump (HOSE, .38" ID x 16" long including FITTINGS) L-150GM 6674 to 7765 L-150PM 6675 to 7765	44	120 498	TEE, final filter outlet (1/4" pipe) L-150GM 7766 to 10994 L-150PM 7766 to 11374
17	343 713 R91	HOSE w/FITTINGS, primary pump to final filter (HOSE, .38" ID x 10" long including FITTINGS) L-150GM 6674 to 7765 L-150PM 6675 to 7765	45	347 823 R91	HOSE w/FITTINGS, primary filter to primary pump (HOSE, .38" ID x 16" long including FITTINGS) L-150GM 7766 to 10994 L-150PM 7766 to 11374
18	42 915 D	BLOCK, junction (also listed with "Electric Starting")	46	444 577	PLUG, 1/4" sq-hd pipe (gauge connection hole) L-150GM 7766 to 10994 L-150PM 7766 to 11374
19	332 490 R1	CLAMP, injection pipe (tapped) 1/4NF x 1-1/8" hex-hd capSCREW (5) 1/4" lock WASHER (3) 9/32 x 5/8" x 16 ga WASHER (3)	47	137 538	ELBOW, primary filter outlet (1/4" x 90° pipe) L-150GM 7766 to 10994 L-150PM 7766 to 11374
20		FILTER ASSY, fuel (for components see list of parts under details of "Fuel Filter") (2)	48	50 607 D	ELBOW, primary filter inlet L-150GM 7766 to 10994 L-150PM 7766 to 11374
21	444 169	ELBOW, (3/8" x 90° street) final filter inlet (brass) L-150GM 6674 to 7765 L-150PM 6675 to 7765	49	444 040	ELBOW, final filter inlet (1/4" x 90° pipe street) L-150GM 7766 to 10994 L-150PM 7766 to 11374
22	444 259	TEE, (3/8") final filter inlet (brass) L-150GM 6674 to 7765 L-150PM 6675 to 7765	50	606 930 C1	ELBOW, 90° x 1/8NPT (filter outlet and TEE inlet) (2)
23	332 624 R1	TUBE, primary filter to final filter L-150GM 6674 to 7765 L-150PM 6675 to 7765	51	940 943	TEE
25	444 584	PLUG, 3/8" sq-hd pipe (brass) L-150GM 6674 to 7765 L-150PM 6675 to 7765	52	134 519	COCK, drain 1/8" pipe
26	120 281	TEE, (3/8") final filter outlet (brass) L-150GM 6674 to 7765 L-150PM 6675 to 7765	53	703 247 C1	BRACKET, water drain tube 5/16-18 x 7/8" hex-hd cap SCREW 5/16-18" NUT 11/32 x 11/16" x 16 ga. WASHER 5/16" lock WASHER
27	343 712 R91	HOSE w/FITTINGS, primary filter to primary pump (HOSE, .38" ID x 18" long including FITTINGS) L-150GM 6674 to 7765 L-150PM 6675 to 7765	54	616 300 C11	TUBE, w/two SLEEVE 265 204 R1 and two NUT 265 205 R1 water drain
28	336 070 R91	VALVE, primary to final filter needle L-150GM 6674 to 7765 L-150PM 6675 to 7765	55	265 204 R1	SLEEVE (2)
29	119 928	BUSHING, (3/8 x 1/4") reducing pipe L-150GM 6674 to 7765 L-150PM 6675 to 7765	56	265 205 R1	NUT (2)
30	42 409 D	CONNECTOR, tube L-150GM 6674 to 7765 L-150PM 6675 to 7765	703 246 C91		ATTACHMENT, water separator element (Consists of the following parts) (see NOTES 1 and 3)
31	278 953 R91	NUT, tube L-150GM 6674 to 7765 L-150PM 6675 to 7765	1	BRACKET	703 247 C1
32	444 169	ELBOW, (3/8" x 90° street) primary filter outlet (brass) L-150GM 6674 to 7765 L-150PM 6675 to 7765	1	COCK	134 519
33	444 259	TEE, (3/8") primary filter outlet (brass) L-150GM 6674 to 7765 L-150PM 6675 to 7765	1	ELEMENT	610 309 C91
34	444 199	ELBOW, (3/8" x 90° street) primary filter outlet (brass) L-150GM 6674 to 7765 L-150PM 6675 to 7765	2	ELBOW	606 930 C1
35	20 034 R1	ELBOW, (3/8" x 90° female) primary filter inlet L-150GM 6674 to 7765 L-150PM 6675 to 7765	1	GASKET	304 102 R1
36	278 347 R1	GASKET, fuel injection pump	1	TEE	9 409 943
37	278 315 R1 347 230 R1	GEAR, fuel injection pump 5/16 x 1-1/4" hex-hd SCREW w/lock WASHER (3)	1	TUBE	616 300 C11 )
38	278 317 R1	WASHER, injection pump gear			



# FUEL SYSTEM



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
<b>FUEL INJECTION PUMP, PIPES AND CONNECTIONS - Continued</b> (Used With International R. D. Fuel Injection Pump) L-150GM 6674 to 10994 L-150PM 6675 to 11374			<b>FUEL INJECTION PUMP, PIPES AND CONNECTIONS - Continued</b> (Used With International R. D. Fuel Injection Pump) L-150GM 6674 to 10994 L-150PM 6675 to 11374		
57	332 491 R2	PAD, injection pipe clamp (2)	609 121 C91	PACKAGE, engine field conversion (less fuel injection pumps) (chassis conversion PACKAGE, 609 124 C91 must be used in conjunction with this package) (see NOTE)	
58	332 489 R1	CLAMP, injection pipe (drilled) (Order PACKAGE 701 127 C91)		(Consists of - Continued)	
58	670 004 C11	CLAMP w/three PINS 19 387 R1 injection pipe (drilled) (Part of PACKAGE 701 127 C91)		1 NUT, fuel return line elbow	278 953 R91
	19 387 R1	PIN, spring (Used w/CLAMP 670 004 C11) (3)		1 PIPE, injection (cylinder No. 1)	278 702 R11
278 318 R1		BRACKET, fuel filter		1 PIPE, injection (cylinder No. 2)	278 703 R11
		7/16 x 1-1/8" hex-hd cap SCREW (3)		1 PIPE, injection (cylinder No. 3)	278 704 R11
		7/16" lock WASHER (3)		1 PIPE, injection (cylinder No. 4)	278 705 R11
363 717 R91		CLIP		1 PIPE, injection (cylinder No. 5)	278 706 R11
265 126 R91		CLIP, pipe		1 PIPE, injection (cylinder No. 6)	278 707 R11
144 604		NIPPLE, primary fuel filter inlet (1-1/8" pipe nipple)		1 PIPE, primary filter to final filter	278 335 R11
		L-150GM 6674 to 7765		1 SEAL, injection pump torque SCREW	279 673 R91
		L-150PM 6675 to 7765		6 SLEEVE, injection pipe	250 610 R2
278 953 R91		NUT, primary filter inlet elbow		Injection pump mounting hardware	
		L-150GM 7766 to 10994		2 3/8" NUT	
		L-150PM 7766 to 11374		2 3/8" lock WASHER	
303 545 R1		"O" RING (.468 x .624 x .078") injection pump fuel fittings (3)		2 WASHER	142 619 H
		FIELD CONVERSION PACKAGE (Engine) (for converting engines equipped with International Model "R. D." Injection Pumps to Roosa-Master Fuel Injection Pumps)		Injection pump gear mounting hardware	
		L-150GM 6674 to 10994		9/16NF jam NUT	
		L-150PM 6675 to 11374		9/16" lock WASHER	
701 127 C91		PACKAGE, pipe clamp parts (Composed of -		FIELD CONVERSION PACKAGE (Chassis) (for use in conjunction with engine conversion PACKAGE, 609 121 C91 when converting engines equipped with International Model "R.D." Fuel Injection Pumps to Roosa-Master Fuel Injection Pumps)	
		1 CLAMP 670 004 C11		L-150GM 6674 to 10994	
		2 PAD 332 491 R2		L-150PM 6675 to 11374	
		3 WASHER 103 339			
		3 WASHER 103 319			
609 121 C91		PACKAGE, engine field conversion (less fuel injection pumps) (chassis conversion PACKAGE, 609 124 C91 must be used in conjunction with this package) (see NOTE)			
		(Consists of -			
		1 ADAPTER, Roosa-Master	303 462 R11		
		3 3/8 x 7/8" hex-hd cap SCREW		609 124 C91	PACKAGE, chassis field conversion (see NOTE)
		3 3/8" lock WASHER			(Consists of -
		1 CLAMP, injection pipe (drilled)	332 489 R1		1 CLEVIS, 5/16" adjusting
		1 CLAMP, injection pipe (tapped)	332 490 R1		1 DRAWING, fuel pump linkage adjusting
		2 PAD, injection pipe clamp	332 491 R1		1 DRAWING, fuel piping
		5 1/4NF x 1-1/4" hex-hd cap SCREW			1 DRAWING, product graphic location
		1 ELBOW, final filter inlet	22 510 D		1 NUT, 5/16NF jam
		1 ELBOW, fuel return line	37 165 D		1 PAMPHLET, instruction
		1 ELBOW, primary filter outlet	65 834 D		2 PIN, 3/8" rod end
		1 ELBOW, final fuel filter outlet	137 538		2 3/32 x 5/8" cotter pin
		1 ELBOW, injection pump inlet	118 755		1 PLUG, button
		1 GASKET, injection pump adapter	278 347 R1		1 PRODUCT GRAPHIC, primary fuel filter
		1 HUB, injection pump gear	278 316 R1		1 PRODUCT GRAPHIC, final fuel filter
		3 5/16 x 1-1/4" hex-hd mach SCREW w/ external-tooth lock WASHER	347 230 R91		1 ROD, injection pump control
		1 HOSE w/FITTING, final fuel filter to injection pump (HOSE, 5/16" ID x 14-1/2" long w/FITTINGS)	275 946 R91		1 TUBE, front fuel return
		6 NUT, injection pipe (nozzle end)	250 617 R1		
				250 610 R2	SLEEVE, injection pump (nozzle end) (6)
					NOTE: All Parts Listed In This Conversion Package Are Listed And Illustrated Throughout This Catalog.
					NOTE 1 - Factory Application - Order On Machine Order Form
					NOTE 3 - Field Application - Order Through Regular Service Parts Channels

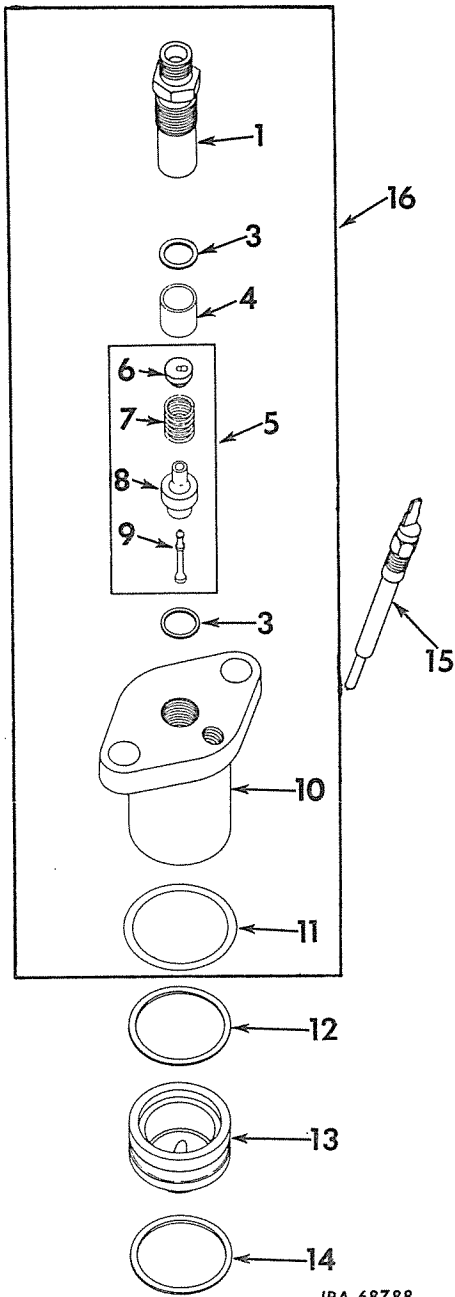
# FUEL SYSTEM



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------	----------	-------------	-------------

INJECTION NOZZLE, PRECOMBUSTION CHAMBER AND GLOW PLUG

INJECTION NOZZLE, PRECOMBUSTION CHAMBER AND GLOW PLUG - Continued



1	278 321 R1	FITTING, nozzle (6)
3	279 274 R1	GASKET, nozzle valve (18)
4	310 402 R1	SLEEVE, nozzle valve (6)
5	332 496 R91	VALVE ASSY, nozzle (6)
6	310 394 R1	SEAT, nozzle spring (.102" thick) (6)
6	310 395 R1	SEAT, nozzle spring (.104" thick) (6)
6	310 396 R1	SEAT, nozzle spring (.106" thick) (6)
6	310 397 R1	SEAT, nozzle spring (.108" thick) (6)
6	310 398 R1	SEAT, nozzle spring (.110" thick) (6)
6	310 399 R1	SEAT, nozzle spring (.112" thick) (6)
6	310 400 R1	SEAT, nozzle spring (.114" thick) (6)
6	310 401 R1	SEAT, nozzle spring (.116" thick) (6)
7	310 393 R1	SPRING, nozzle valve (6)
8		SEAT, nozzle valve (order 332 496 R91) (6)
9		VALVE, nozzle (order 332 496 R91) (6)
10	310 389 R1	BODY, nozzle (6)
11	251 044 R2	SEAL, nozzle body dust (6)
12	260 879 R4	GASKET, nozzle body (6)
13	278 275 R3	CHAMBER, precombustion (6)
14	260 879 R4	GASKET, precombustion chamber (6)
15	304 131 R2	PLUG, glow (optional with 343 894 R1) (6)
15	343 894 R1	PLUG, glow (optional with 304 131 R2) (6)
16	332 495 R91	NOZZLE ASSY, injection (6) 3/8 x 2-1/2" hex-hd cap SCREW (12)

IPA-68788

# FUEL SYSTEM

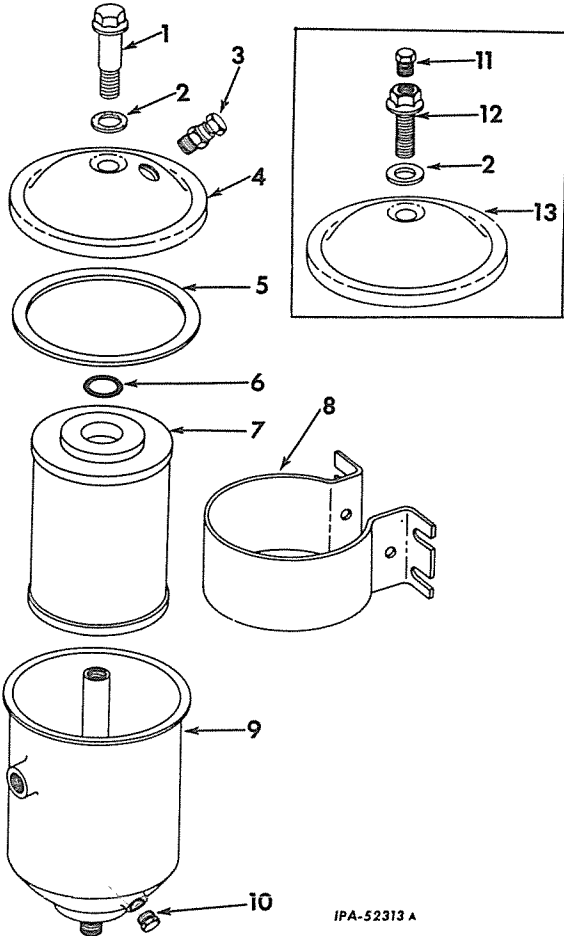


REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

PRIMARY AND FINAL FILTERS  
(Fram Corporation)

PRIMARY AND FINAL FILTERS - Continued  
(Fram Corporation)



IPA-52313 A

4	603 941 C91	COVER, fuel filter (X-138557) (2 for Filter B)
5	304 102 R1	GASKET, element cover (2)
6	306 777 R1	"O" RING, 9/16 x 3/4 x 3/32" (110960) (2)
7	304 101 R91	PACKAGE, final fuel filter element field service (consists of ELEMENT and GASKET, 304 102 R1) (Filter A)
7	306 353 R91	PACKAGE, primary fuel filter element field service (consists of ELEMENT and GASKET, 304 102 R1) (Filter B)
7	610 309 C91	PACKAGE, primary fuel filter ELEMENT (consists of ELEMENT and GASKET 304 102 R1 (for units equipped w/water separator element attachment)
8	306 780 R1	STRAP, bracket (not furnished as part of fuel filter assembly) (111741) (2) 1/4" sq NUT (2) 1/4 x 3" rd-hd slt mach SCREW (2) 1/4" lock WASHER (2)
9	306 775 R91	BODY (2640) (2 for Filter A)
9		BODY (Not Furnished Separately) (2 for Filter B)
10	258 995 R1	PLUG, fuel drain (2 for Filter A)
10	610 383 C1	PLUG, fuel filter drain (151728) (2 for Filter B)
11	306 778 R1	PLUG, vent (104018) (2 for Filter A)
12	368 492 R1	SCREW, vent cap (104258) (2 for Filter A)
13	306 776 R91	COVER (2639) (2 for Filter A)

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

A	306 399 R91	FILTER ASSY, final fuel (order final fuel FILTER, 347 066 R91) 5/16" NUT (2) 5/16 x 7/8" hex-hd cap SCREW (2) 5/16" lock WASHER (2) 11/32 x 11/16" x No. 16 ga. WASHER (2)
B	601 508 C91	FILTER ASSY, less STRAP, primary fuel (order FILTER ASSY, 610 932 C91 and BRACKET, 304 104 R91) 5/16" NUT (2) 5/16 x 7/8" hex-hd cap SCREW (2) 5/16" lock WASHER (2) 11/32 x 11/16" x No. 16 ga. WASHER (2)
1	321 822 R1	SCREW, fuel filter retaining cap (101395) (2 for Filter B)
2	368 493 R1	GASKET, vent cap screw (151376) (2)
3	39 677 DA	BLEEDER, fuel filter (X-138555) (2 for Filter B)

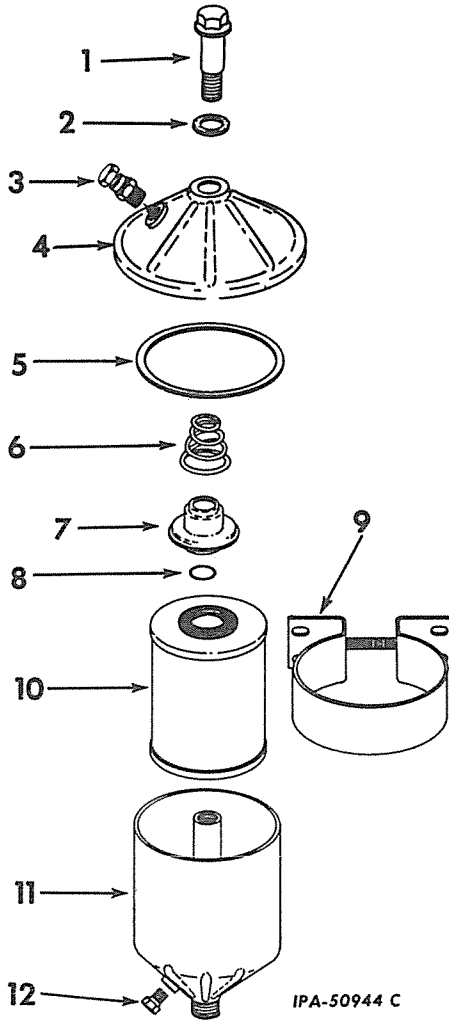


-37-  
**FUEL SYSTEM**



REF. PART  
NO. NUMBER DESCRIPTION

PRIMARY AND FINAL FUEL FILTERS  
(Purolator Products, Inc.)



IPA-50944 C

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

REF. PART  
NO. NUMBER DESCRIPTION

PRIMARY AND FINAL FUEL FILTERS - Continued  
(Purolator Products, Inc.)

B	610 932 C91	FILTER ASSY, primary fuel (less BRACKET (together with BRACKET, 304 104 R91 will work for primary fuel FILTER, 278 062 R91 or 601 508 C91) also (together with ADAPTER, 444 014, BRACKET, 304 104 R91 and TEE, 116 386 will work for primary fuel FILTER, 333 863 R91) 5/16" NUT (2) 5/16 x 7/8" hex-hd cap SCREW (2) 5/16" lock WASHER (2) 11/32 x 11/16" x 16 ga. WASHER (2)
1	321 727 R1	SCREW, retaining (37171-6) (Filter A)
1	368 333 R1	SCREW, retaining (Filter B)
2	368 334 R1	GASKET, retaining (37172) (2)
3	39 677 DA	BLEEDER (15002)
4	321 720 R91	COVER and BUSHING (54529) (2)
5	304 102 R1	GASKET, element cover (19954-5) (2)
6	321 721 R1	SPRING, retaining (33263-1) (2)
7	321 722 R1	RETAINER, gasket (6654062) (2)
8	355 966 R1	GASKET, "O" ring retainer (54537) (2)
9	304 104 R91	BRACKET, fuel filter (not furnished as part of fuel filter assemblies) (2)
10	304 101 R91	PACKAGE, final fuel filter field service (consists of ELEMENT and GASKET, 304 102 R1) (Filter A)
10	306 353 R91	PACKAGE, primary fuel filter element field service (consists of ELEMENT and GASKET, 304 102 R1) (Filter B)
10	610 309 C91	PACKAGE, primary fuel filter ELEMENT (consists of ELEMENT and GASKET, 304 102 R1) for units equipped w/water separator element attachment)
11	304 100 R91	CASE (37163-15) (2)
12	258 995 R1	PLUG, fuel filter drain (7600) (2)
	444 014	ADAPTER, primary fuel filter inlet (†) (Filter B)
	37 323 D	ELBOW, 3/8" x 90° final filter inlet (#) (Filter A)
	179 547	ELBOW, 3/8 x 1/4" reducing pipe (final filter outlet (#) (Filter A)
	603 945 C1	NUT, flat speed (Filter B)
	336 109 R1	SCREW, retaining (SK-55281) (2 for use with FILTER, 333 863 R91)
	116 386	TEE, 3/8 x 3/8 x 1/4" reducing (primary fuel filter outlet) (†) (Filter B)

A	347 066 R91	FILTER ASSY, final fuel (less BRACKET) (together with BRACKET, 304 104 R91 will work for final fuel FILTER, 278 062 R91 or 306 399 R91) also (together with BRACKET, 304 104 R91, ELBOW, 179 547 and ELBOW, 37 323 D will work for final fuel FILTER, 333 863 R91) 5/16" NUT (2) 5/16 x 7/8" hex-hd cap SCREW (2) 5/16" lock WASHER (2) 11/32 x 11/16" x 16 ga. WASHER (2)
---	-------------	--

(#) - Used With Final Fuel FILTER, 347 066 R91 Only When It Replaces Final Fuel FILTER, 333 863 R91  
(†) - Used With Primary Fuel FILTER, 601 507 C91 Only When It Replaces Primary Fuel FILTER, 333 863 R91



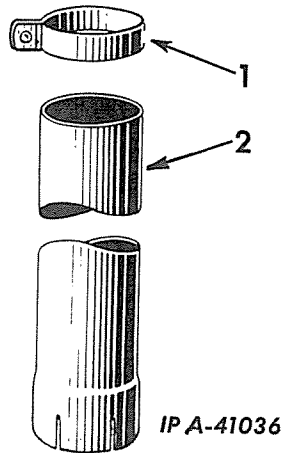
# FUEL SYSTEM



REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

## AIR CLEANER PIPE EXTENSION

MEMORANDA



	331 794 R91	ATTACHMENT, air cleaner pipe extension (used on all manual shift loaders) (used on power shift loaders L-150P 6501 to 15964 also 15994 to 16217 except 15996 with altitude compensation attachment) (used on all power shift loaders L-150P 15965 to 15993 and 16218 up also 15996) (not for use with heavy duty (Farr) air cleaner attachment or heavy hood 700 388 C91) (see NOTES 1 and 3)
	334 789 R91	ATTACHMENT, air cleaner pipe extension (for manual shift loaders and power shift loaders w/o altitude compensation attachment) (not for use with heavy duty (Farr) air cleaner attachment) (see NOTE 3) L-150G 6519 to 15964 Also 15994 to 16217 except 15996 L-150P 6501 to 15964 Also 15994 to 16217 except 15996
1	276 223 R91	CLAMP, air cleaner pipe extension (part of ATTACHMENT, 331 794 R91)
	25 522 R1	3/8" NUT
	24 841 R1	3/8 x 1-1/2" hex-hd cap SCREW
	115 093	3/8" lock WASHER
1	604 399 C1	CLAMP, air cleaner pipe extension (part of ATTACHMENT, 334 789 R91)
2	330 737 R1	PIPE, air cleaner pipe extension (part of ATTACHMENT, 331 794 R91)
2	334 788 R1	PIPE, air cleaner pipe extension (part of ATTACHMENT, 334 789 R91)

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

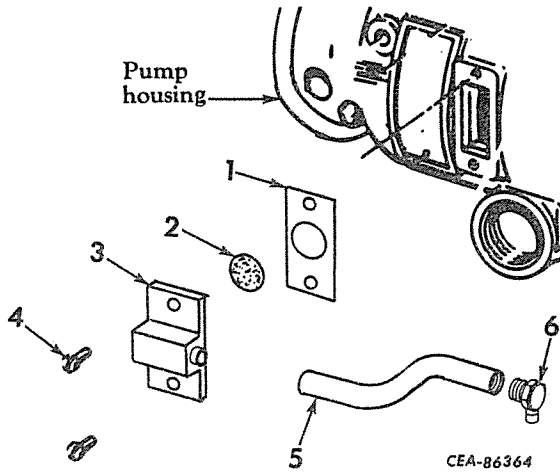


# FUEL SYSTEM



REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

RETURN FUEL BY-PASS  
(Roosa-Master) (Hartford Machine Screw Co.)



606 847 C91	KIT, return fuel by-pass system (see NOTE) (Consists of the following parts -
1 610 953 C1	GASKET, timing and return oil fitting (15522)
2 610 955 C1	SCREEN, return oil (16460)
3 610 951 C91	FITTING, timing and return oil (15517)
4	SCREW, No. 8 x 5/16" slt-ov-hd (timing line cover) (10584) (2)
5 610 952 C1	HOSE, return oil (15521)
6 610 954 C91	FITTING, inlet (16463)
610 950 C91	CONNECTOR, return line (13212) (top of governor control cover)

NOTE - Parts For Reference Numbers 1 To 6  
Are Also Listed and Illustrated In  
Roosa-Master Fuel Injection Pump  
Parts Catalog, PU-70.

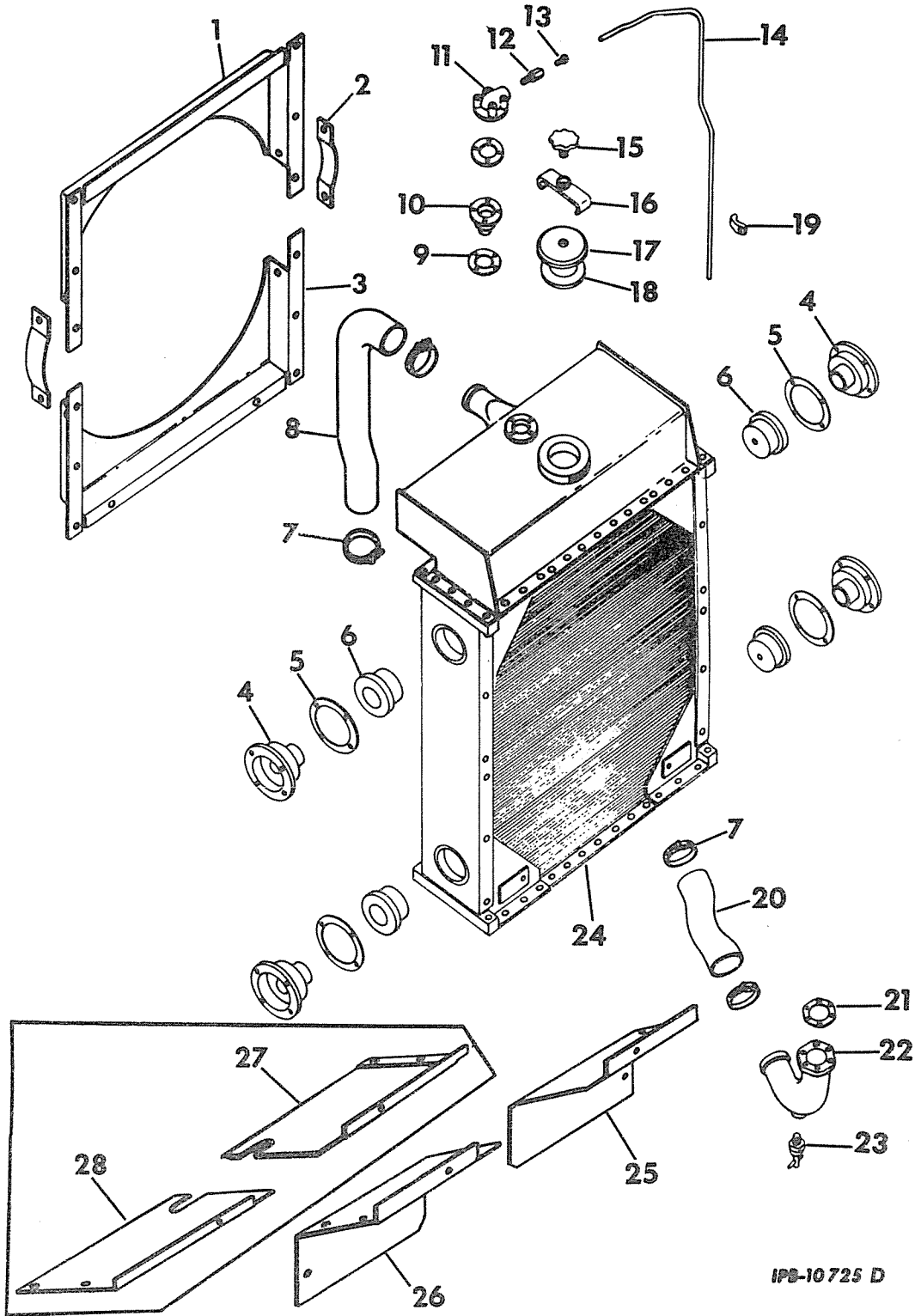


# COOLING SYSTEM



RADIATOR CONNECTIONS

RADIATOR CONNECTIONS - Continued



IPB-10725 D



# COOLING SYSTEM



REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

RADIATOR CONNECTIONS - Continued

RADIATOR CONNECTIONS - Continued

1	330 663 R11	SHEET, fan housing upper (%)
1	334 101 R11	SHEET, fan housing upper (#)
	181 356	3/8NF x 5/8" hex-hd cap SCREW (6)
	103 321	3/8" lock WASHER (6)
	103 341	13/32 x 13/16" x 16 ga. WASHER (6)
2	330 665 R1	EXTENSION, fan housing (%) (2)
2	334 103 R1	EXTENSION, fan housing (#) (2)
	181 356	3/8NF x 5/8" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
	103 341	13/32 x 13/16" x 16 ga. WASHER (4)
3	330 664 R11	SHEET, fan housing lower (%)
3	334 102 R11	SHEET, fan housing lower (#)
	181 356	3/8NF x 5/8" hex-hd cap SCREW (8)
	103 321	3/8" lock WASHER (8)
	103 341	13/32 x 13/16" x 16 ga. WASHER (8)
4	311 218 R1	BRACKET, radiator mounting (4)
	616 373 C1	BOLT, radiator mounting bracket (16)
5	325 990 R1	SPACER, radiator mounting bracket (4)
6	274 287 R2	MOUNTING, radiator (rubber) (4)
7	279 026 R91	CLAMP, radiator inlet and outlet hose (4)
8	330 661 R2	HOSE, radiator inlet
9	320 391 R1	GASKET, pressure relief valve (2)
10	321 149 R92	VALVE w/"O" RING, 252 707 R1, pressure relief
	252 707 R1	"O" RING, 3/4 x 15/16 x 3/32"
11	612 558 C1	HOUSING, pressure relief valve (together with PIPE, 330 856 R2 will work for HOUSING, 325 371 R1)
	24 841 R1	SCREW, 3/8 x 1-1/2" hex-hd cap (4)
	115 093	WASHER, 3/8" lock (4)
12	18 506 R1	CONNECTOR, overflow pipe
13	371 217 R1	NUT, overflow pipe coupling
14	330 856 R2	PIPE, radiator overflow
15	262 603 R12	HANDLE, radiator cap clamp L-150G 6519 to 15567 L-150P 6501 to 15567
15	703 482 C1	HANDLE, radiator cap clamp 1/8 x 7/8" spring PIN L-150G 15568 up L-150P 15568 up
16	259 603 R91	CLAMP, radiator cap L-150G 6519 to 15567 L-150P 6501 to 15567
16	703 481 C1	CLAMP, radiator cap L-150G 15568 up L-150P 15568 up
17	259 599 R91	CAP w/GASKET, 620 086 C1, radiator L-150G 6519 to 15567 L-150P 6501 to 15567
17	703 480 C1	CAP, radiator L-150G 15568 up L-150P 15568 up
18	620 086 C1	GASKET
19	274 239 R1	CLIP, radiator overflow pipe (2)
20	330 848 R1	HOSE, radiator outlet
21	330 662 R1	GASKET, radiator outlet elbow
22	330 660 R1	ELBOW, radiator outlet
	179 840	3/8 x 1-1/8" hex-hd cap SCREW (6)
	103 321	3/8" lock WASHER (6)
23	627 799 C1	VALVE, drain
24		RADIATOR, for components see list of parts under details of "RADIATOR"
25	620 114 C1	BAFFLE, LH radiator bottom air (used on manual shift loaders) L-150G 14001 up

25	620 116 C1	BAFFLE, LH radiator bottom air (used on power shift loaders) L-150P 14001 up
	179 789	1/4 x 3/8" hex-hd cap SCREW
	181 356	3/8NF x 5/8" hex-hd cap SCREW
	103 319	1/4" lock WASHER
	103 321	3/8" lock WASHER
	103 341	13/32 x 13/16" x 16 ga. WASHER
26	703 605 C1	BAFFLE, RH radiator bottom air (used on manual shift loaders) L-150G 14001 up L-150P 15424 up
26	703 606 C1	BAFFLE, RH radiator bottom air (used on power shift loaders) L-150P 14001 to 15423
	179 789	1/4 x 3/8" hex-hd cap SCREW
	181 356	3/8NF x 5/8" hex-hd cap SCREW
	103 319	1/4" lock WASHER
	103 341	13/32 x 13/16" x 16 ga. WASHER
27	331 740 R1	BAFFLE, LH radiator bottom air (used on manual shift loaders) L-150G 6519 to 14000
27	331 741 R1	BAFFLE, LH radiator bottom air (used on power shift loaders) L-150P 6501 to 14000
	179 789	1/4 x 3/8" hex-hd cap SCREW
	181 356	3/8NF x 5/8" hex-hd cap SCREW
	103 319	1/4" lock WASHER
	103 321	3/8" lock WASHER
	103 341	13/32 x 13/16" x 16 ga. WASHER
28	331 739 R11	BAFFLE, RH radiator bottom air (used on manual shift loaders) L-150G 6519 to 14000
28	331 742 R11	BAFFLE, RH radiator bottom air (used on power shift loaders) L-150P 6501 to 14000
	179 789	1/4 x 3/8" hex-hd cap SCREW
	181 356	3/8NF x 5/8" hex-hd cap SCREW
	103 319	1/4" lock WASHER
	103 321	3/8" lock WASHER
	103 341	13/32 x 13/16" x 16 ga. WASHER
	703 483 C91	CAP ASSY, radiator L-150G 15568 up L-150P 15568 up (Composed of - 1 CAP 703 480 C1 1 CLAMP 703 481 C1 1 GASKET 620 086 C1 1 HANDLE 703 482 C1 1 PIN, 1/8 x 7/8" )
	650 382 C91	ATTACHMENT, radiator cap padlock w/Keys (see NOTES 1 and 3)

(#) - Part of Reversible Fan ATTACHMENT, 331 702 R91.

(%) - Not Used On Units Equipped With Reversible Fan ATTACHMENT, 331 702 R91.

NOTE 1 - Factory Application - Order On Machine Order Form

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



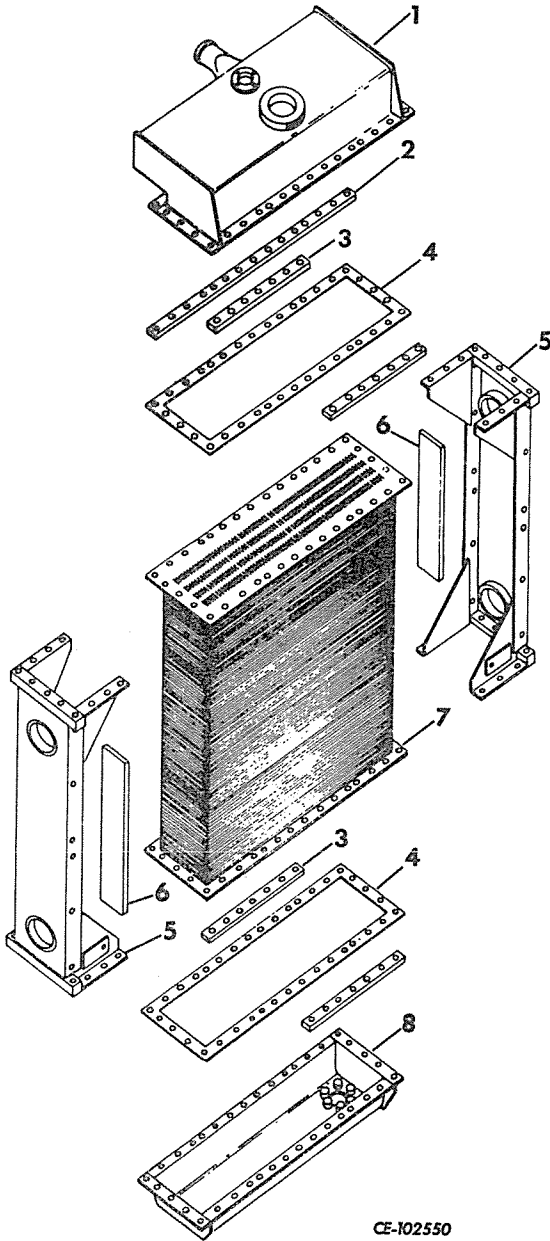
# COOLING SYSTEM



REF. PART NO. NUMBER	DESCRIPTION	REF. PART NO. NUMBER	DESCRIPTION
----------------------	-------------	----------------------	-------------

## RADIATOR

## RADIATOR - Continued



CE-102550

A		Service Parts for Radiator Assy (IH) L-150G 6519 to 16172 L-150P 6501 to 16172
B		Service Parts for Radiator Assy (MODINE) L-150G 16173 up L-150P 16173 up
C		Service Parts for Radiator Assy (PERFEX) (Service parts not yet available) L-150G 16173 up L-150P 16173 up
D	331 679 R91	ATTACHMENT, forest radiator (see NOTE 4)
1	330 667 R91 25 522 R1 24 840 R1 179 840 115 093	TANK, radiator upper (A) NUT, 3/8" (13) SCREW, 3/8 x 1" hex-hd cap (12) SCREW, 3/8 x 1-1/8" hex-hd cap (14) WASHER, 3/8" lock (26)
1	630 465 C1 25 522 R1 24 840 R1 115 093	TANK, radiator upper (B) NUT, 3/8" (13) SCREW, 3/8 x 1" hex-hd cap (26) WASHER, 3/8" lock (26)
2	330 669 R1	BAR, upper tank mounting (A)
2	630 494 C1	BAR, upper tank mounting (B)
3	330 668 R1	STIFFNER, upper and lower radiator core (A) (4)
3	630 488 C1	BAR, top and bottom tank header (B)
4	330 670 R1	GASKET, upper and lower tank (A and D) (2)
4	627 940 C91	KIT, w/four gasket strips and four end gaskets, radiator gasket (B)
5	330 672 R11 179 838 115 093	CHANNEL, side (A) (2) SCREW, 3/8 x 7/8" hex-hd cap (20) WASHER, 3/8" lock (20)
5	630 486 C1 24 840 R1 115 093	MEMBER, RH and LH side (B) (2) SCREW, 3/8 x 1" hex-hd cap (20) WASHER, 3/8" lock (20)
6	330 874 R1	SNUBBER, radiator core (A and D) (2)
7	338 564 R91	CORE, radiator (Armored) (A)
7	630 454 C1	CORE, radiator (B)
7	330 840 R91	CORE, radiator (D)
8	330 671 R91 25 522 R1 24 840 R1 179 840 115 093	TANK, radiator lower (A) NUT, 3/8" (14) SCREW, 3/8 x 1" hex-hd cap (12) SCREW, 3/8 x 1-1/8" hex-hd cap (14) WASHER, 3/8" lock (26)
8	630 472 C1 25 522 R1 24 840 R1 115 093	TANK, radiator lower (B) NUT, 3/8" (36) SCREW, 3/8 x 1" hex-hd cap (26) WASHER, 3/8" lock (26)
	1 019 024 R2	PAMPHLET, installation (D)

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



# MEMORANDA



---

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------	----------	-------------	-------------

---



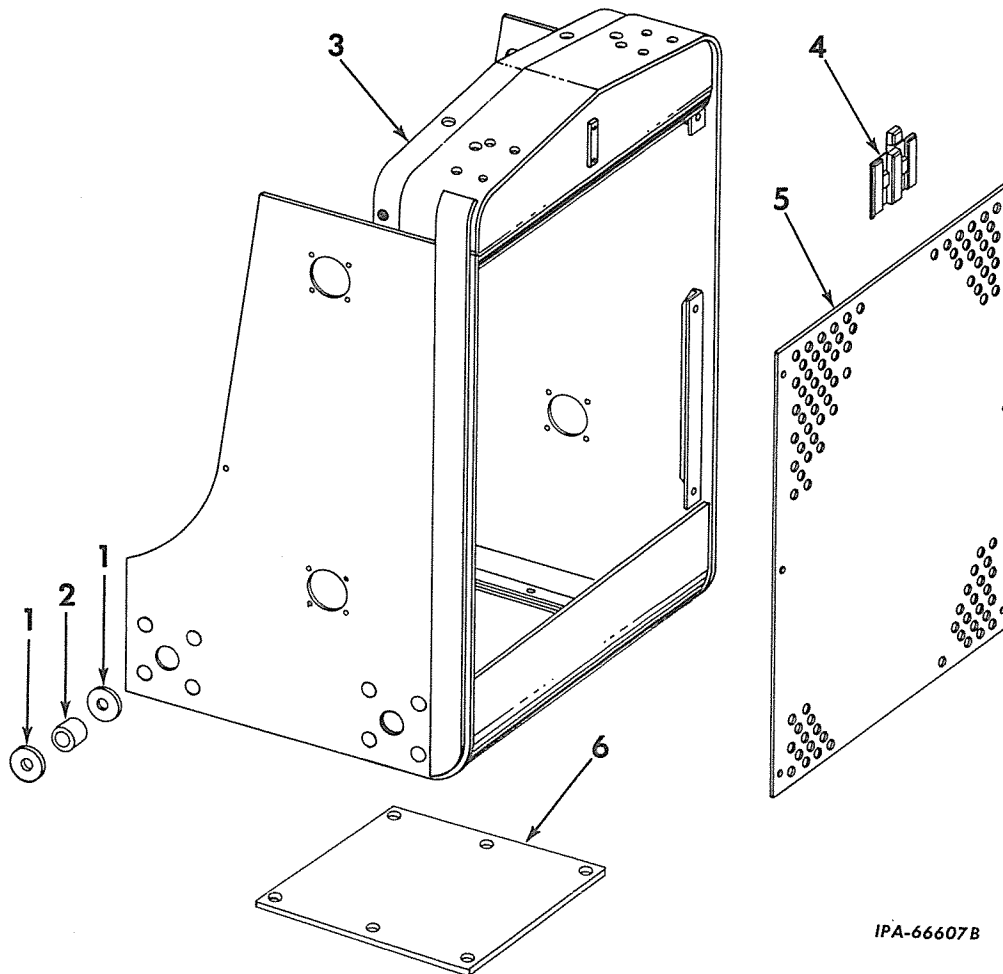
# COOLING SYSTEM



REF. PART NO. NUMBER	DESCRIPTION	REF. PART NO. NUMBER	DESCRIPTION
----------------------	-------------	----------------------	-------------

**RADIATOR GUARD**  
L-150G 6519 to 14000  
L-150P 6501 to 14000

**RADIATOR GUARD - Continued**  
L-150G 6519 to 14000  
L-150P 6501 to 14000



IPA-66607B

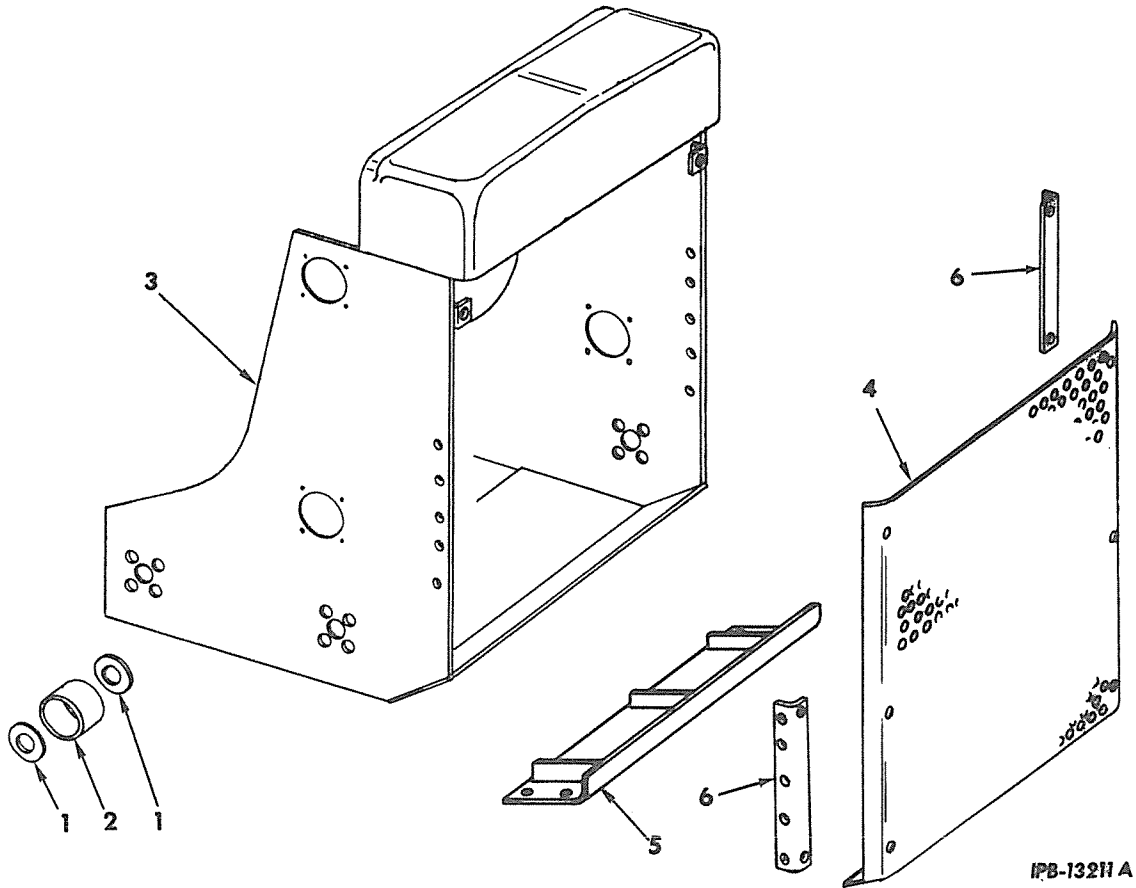
1	103 345	RETAINER, dowel (8) 5/8" NUT (4) 5/8 x 2-1/4" hex-hd cap SCREW (4)	4	311 263 R1	PRODUCT GRAPHIC, I. H. emblem (for loaders painted other than yellow) (used on tractor equipped with guard 331 494 R91) No. 4 x 1/4" drive SCREW (2)
2	330 653 R1	DOWEL, radiator guard mounting (4)	5	330 647 R11	DOOR, radiator guard 1/2 x 1" hex-hd cap SCREW (6) 1/2" lock WASHER (6) 17/32 x 1-1/16" x 13 ga. WASHER (6)
3	331 494 R91	GUARD, radiator 3/4" NUT (16) 3/4 x 2" hex-hd cap SCREW (16)	6	330 646 R1	COVER, radiator guard bottom 1/2 x 1-1/4" hex-hd cap SCREW (6) 1/2" lock WASHER (6)
4	345 610 R1	PRODUCT GRAPHIC, I. H. emblem (for loaders painted yellow) (used on tractors equipped with guard 331 494 R91)		330 645 R1	SEAL, radiator top air baffle



# COOLING SYSTEM



REF. PART NO.	PART NUMBER	DESCRIPTION	REF. PART NO.	PART NUMBER	DESCRIPTION
RADIATOR GUARD - Continued			RADIATOR GUARD - Continued		
	L-150G 14001 up			L-150G 14001 up	
	L-150P 14001 up			L-150P 14001 up	



1	103 345	RETAINER, dowel (8) 5/8" NUT (4) 5/8 x 2-1/4" hex-hd cap SCREW (4)	4	703 385 C1	DOOR, radiator guard 1/2 x 3" hex-hd cap SCREW (6) 1/2" lock WASHER (6) 17/32 x 1-1/16 x 13 ga. WASHER (6)
2	330 653 R1	DOWEL, radiator guard mounting (4)	5	330 646 R1	COVER, radiator guard bottom 1/2 x 1-1/4" hex-hd cap SCREW (6) 1/2" lock WASHER (6)
3	703 384 C91	GUARD, radiator L-150G 14001 to 15423 L-150P 14001 to 15423 (order the following parts - 2 ANGLE 624 411 C1 1 GUARD 624 618 C1 2 GUARD 624 390 C1 2 SWIVEL 303 706 R1)	6	624 411 C1	ANGLE, radiator guard door lower (used on GUARD, 703 384 C92 and 624 618 C1) 5/8 x 1-1/4" hex-hd cap SCREW (10) 5/8" NUT (10)
3	703 384 C92	GUARD, radiator L-150G 15424 to 15525 L-150P 15424 to 15525 (order the following parts - 2 GUARD 624 390 C1 1 GUARD 624 618 C1 2 SWIVEL 303 706 R1)			
3	624 618 C1	GUARD, radiator L-150G 15526 up L-150P 15526 up 3/4" NUT (6) 3/4 x 2" hex-hd cap SCREW (6)			



# MEMORANDA





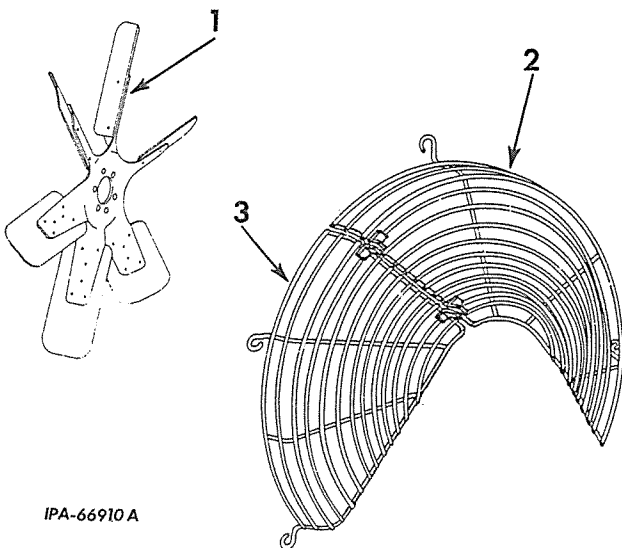
# COOLING SYSTEM



REF. PART NO.	PART NUMBER	DESCRIPTION	REF. PART NO.	PART NUMBER	DESCRIPTION
---------------	-------------	-------------	---------------	-------------	-------------

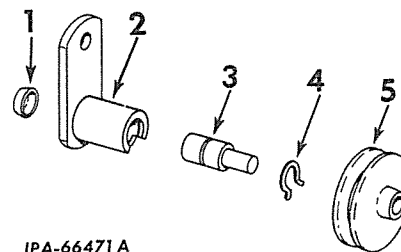
**BLOWER FAN AND FAN GUARD**

**IDLER**



IPA-66910A

1	327 499 R91	FAN, blower 3/8 x 7/8" hex-hd cap SCREW (6) 3/8" lock WASHER (6)
2	612 591 C91	GUARD, RH fan 3/8 x 3/4" hex-hd cap SCREW (3) 3/8" lock WASHER (3) 3/8 x 7/8" x 14 ga. WASHER (3)
3	612 590 C91	GUARD, LH fan 3/8" NUT (2) 3/8 x 3/4" hex-hd cap SCREW (5) 3/8" lock WASHER (5) 3/8 x 7/8" x 14 ga. WASHER (5)



IPA-66471A

1	169 071 R1	PLUG, cup (for use only with ARM, 322 384 R12)
1	172 547	PLUG, expansion (for use only with ARM, 322 384 R11)
2	322 384 R12	ARM, adjuster (together with PLUG, 169 071 R1 will work for 322 384 R11)
3	284 670 R91	BEARING and SHAFT
4	322 386 R1	RETAINER, bearing and shaft
5	9 102 D	PULLEY
	322 383 R1	WASHER, idler 5/8" NUT

**REVERSIBLE FAN ATTACHMENT**

331 702 R91	ATTACHMENT, reversible fan (see NOTE 3) (Consists of the following parts -
334 103 R1	EXTENSION, fan housing (#) (2) 3/8NF x 5/8" hex-hd cap SCREW (4) 3/8" lock WASHER (4) 13/32 x 13/16 x .065" WASHER (4)
333 835 R91	FAN, reversible (22" dia) (6 blade) 3/8 x 7/8" hex-hd cap SCREW (6) 3/8" lock WASHER (6)
334 101 R11	SHEET, fan housing upper (#) 3/8NF x 5/8" hex-hd cap SCREW (6) 3/8" lock WASHER (6) 13/32 x 13/16 x .065" WASHER (6)
334 102 R11	SHEET, fan housing lower (#) 3/8NF x 5/8" hex-hd cap SCREW (8) 3/8" lock WASHER (8) 13/32 x 13/16 x .065" WASHER (8)

(#) - Illustrated And Listed With "Radiator And Connections".

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



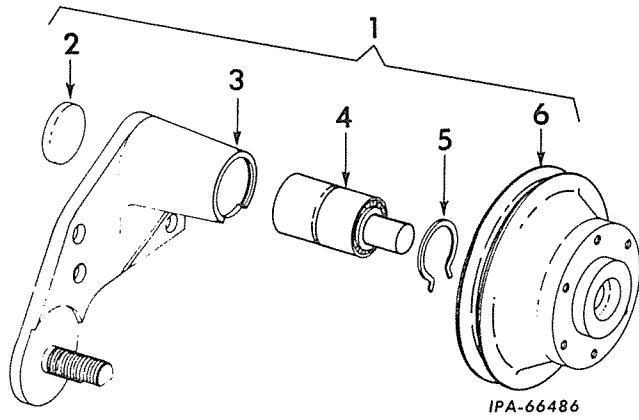
# COOLING SYSTEM



REF. PART NO.	PART NUMBER	DESCRIPTION	REF. PART NO.	PART NUMBER	DESCRIPTION
---------------	-------------	-------------	---------------	-------------	-------------

### FAN DRIVE

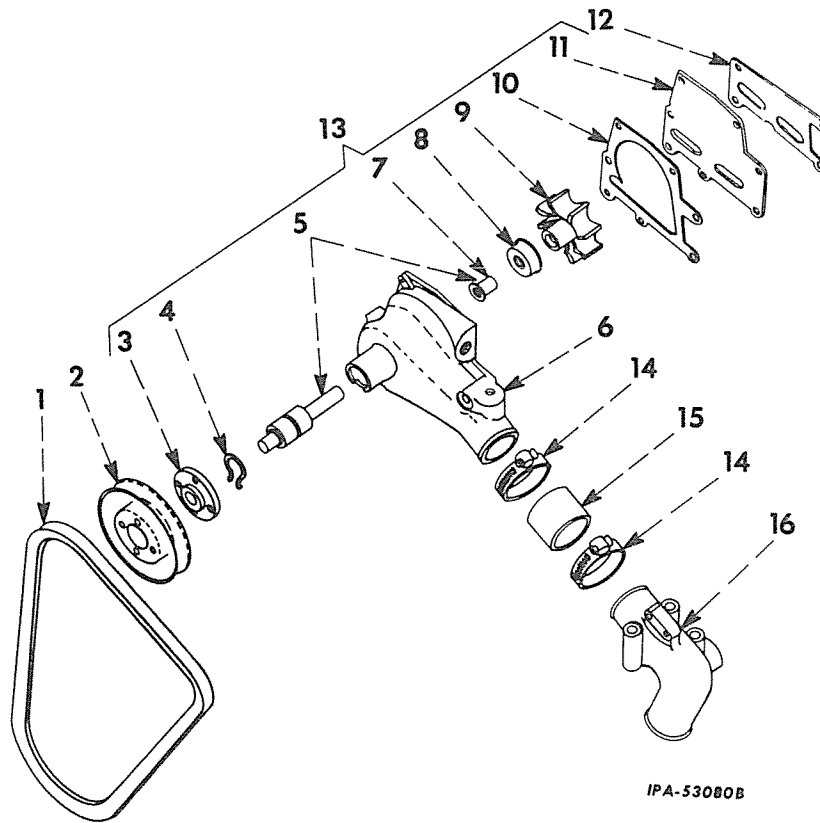
### FAN DRIVE - Continued



1	330 018 R91	DRIVE ASSY, fan (used on power shift loaders)
1	330 019 R91	DRIVE ASSY, fan (used on manual shift loaders)
2	145 201 R1	PLUG, core hole
3	328 991 R11	BRACKET, fan drive 7/16 x 1-1/4" hex-hd cap SCREW (3) 7/16" lock WASHER (3)
4	306 365 R91	SHAFT w/BEARING
5	306 630 R1	RING, bearing retainer
6	328 535 R1	PULLEY, fan (used with DRIVE ASSY, 330 018 R91)
6	328 537 R1	PULLEY, fan (used with DRIVE ASSY, 330 019 R91)

### WATER PUMP AND FAN BELT

### WATER PUMP AND FAN BELT - Continued





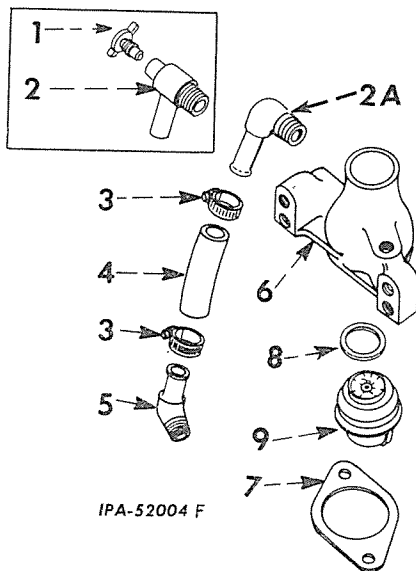
# COOLING SYSTEM



REF. NO.	PART NUMBER	DESCRIPTION
WATER PUMP AND FAN BELT		
1	328 539 R1	BELT, fan (used on power shift loaders)
1	328 540 R1	BELT, fan (used on manual shift loaders)
2	306 625 R1	PULLEY, water pump 1/4 x 1/2" hex-hd cap SCREW (4) 1/4" lock WASHER (4)
3	368 501 R2	HUB, pulley
4	102 069 H	RING, bearing retainer
5	376 602 R91	SHAFT and BEARING w/SLINGER, 71 351 R1
6	318 118 R21	BODY w/two PLUG, 444 589, PLUG, 444 661 and PLUG, 444 789 water pump
7	71 351 R1	SLINGER, water pump
8		SEAL, water pump (order PACKAGE, 607 467 C91)
9	332 117 R1	IMPELLER, water pump (used on PUMP ASSY, 318 119 R92) (order PACKAGE, 601 817 C91)
9	387 931 R1	IMPELLER, water pump (used on PUMP ASSY, 601 816 C91)
10	69 674 R1	GASKET, water pump plate
11	69 675 R1	PLATE, water pump 1/4 x 1/2" pan-hd stl mach SCREW (3)
12	69 676 R1	GASKET, water pump
13	601 816 C91	PUMP ASSY, water (will work for PUMP ASSY, 318 119 R92) (Composed of - 1 BODY 318 118 R21 1 GASKET 69 674 R1 1 HUB 368 501 R2 1 IMPELLER 387 931 R1 1 PLATE 69 675 R1 1 RING 102 069 H 1 SEAT AND BUSHING 265 164 C91

REF. NO.	PART NUMBER	DESCRIPTION
WATER PUMP AND FAN BELT - Continued		
13	601 816 C91	PUMP ASSY, water (will work for PUMP ASSY, 318 119 R92) (Composed of - Continued 1 SEAL 73 296 R92 1 SHAFT and BEARING 376 602 R91 3/8 x 2-1/4" hex-hd cap SCREW 3/8" x 2-1/2" hex-hd cap SCREW (3) 3/8" lock WASHER (4)
14	279 038 R91	CLAMP, water pump inlet hose (2)
15	278 281 R1	HOSE, water pump inlet (1-3/4 x 2 x 3/16")
16	278 278 R2	ELBOW, water inlet 3/8 x 2-3/4" hex-hd cap SCREW (3) 3/8" lock WASHER (3)
	374 544 R92	PACKAGE, water pump field service (Consists of the following parts - 1 GASKET 69 674 R1 1 GASKET 69 676 R1 1 PACKAGE 601 817 C91 1 RING 102 069 H 1 SEAL 73 296 R92 1 SHAFT and BEARING 376 602 R91)
	607 467 C91	PACKAGE, water pump seal field service (Consists of SEAL and SEAT, 265 164 C91)
	444 589	PLUG, 1/2" sq-hd pipe
	444 661	PLUG, 3/8" sq-hd pipe
	444 789	PLUG, 1/2" sq-soc-hd pipe
	265 164 C91	SEAT, water pump seal (part of PACKAGE, 607 467 C91)
	601 817 C91	PACKAGE, water pump impeller (consists of IMPELLER, 387 931 R1 and SEAL PACKAGE 607 467 C91) (will work for IMPELLER, 332 117 R1)

## THERMOSTAT, THERMOSTAT HOUSING, WATER PUMP BY-PASS HOSE AND CONNECTIONS



## THERMOSTAT, THERMOSTAT HOUSING, WATER PUMP BY-PASS HOSE AND CONNECTIONS - Continued

1	538 V	STEM, water pump by-pass valve (Order ELBOW 320 275 R1)
2	303 483 R1	BODY, water pump by-pass valve (Order ELBOW 320 275 R1)
2A	320 275 R1	ELBOW, water pump by-pass hose (90°) (Will work for BODY, 303 483 R1 and STEM 538 V)
3	274 085 R91	CLAMP, water pump by-pass hose (2)
4	278 807 R1	HOSE, water pump by-pass (4 x 5/8 x 3/16")
5	278 089 R1	ELBOW, water pump by-pass hose (45°)
6	278 279 R2	HOUSING, thermostat 7/16 x 2-3/4" hex-hd cap SCREW (2) 1/2" lock WASHER (2)
7	278 280 R1	GASKET, thermostat housing
8	262 882 R1	GASKET, seal
9	313 942 R91	THERMOSTAT w/GASKET, 262 882 R1 (170° to 190°)



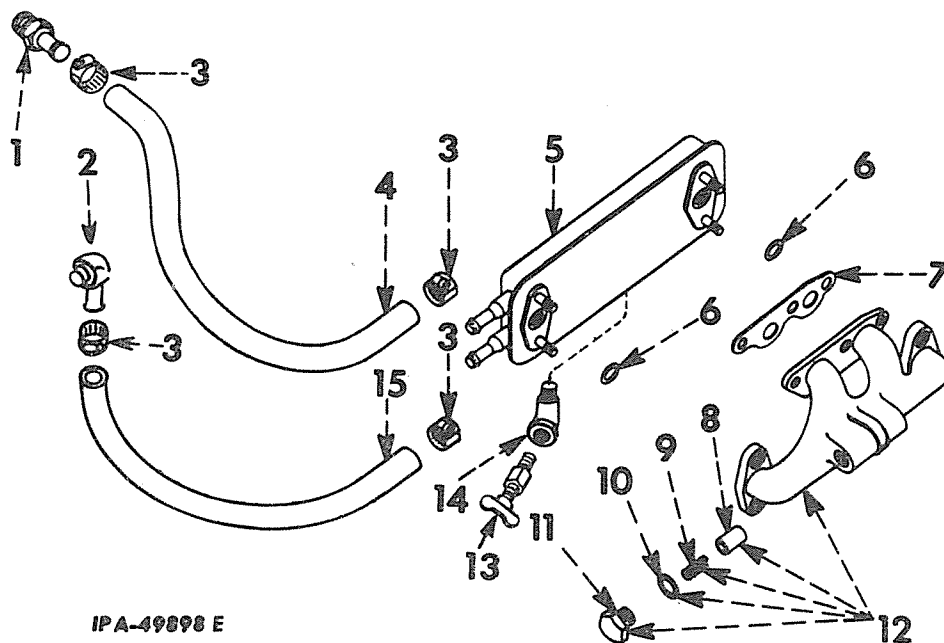
# COOLING SYSTEM



REF. PART NO.	PART NUMBER	DESCRIPTION	REF. PART NO.	PART NUMBER	DESCRIPTION
---------------	-------------	-------------	---------------	-------------	-------------

ENGINE OIL COOLER

ENGINE OIL COOLER - Continued



IPA-49898 E

1	320 182 R1	CONNECTOR, oil cooler water inlet	12	279 160 R11	MANIFOLD ASSY, engine oil cooler (Composed of -	
2	320 275 R1	ELBOW, outlet water oil cooler		1	GASKET	251 403 R1
3	274 085 R91	CLAMP, water hose (4)		§1	MANIFOLD	
4	321 878 R1	HOSE, engine oil cooler water inlet		2	PLUG	444 577
5	279 212 R91	COOLER, engine oil		1	PLUG	251 402 R1
	102 634	5/16" NUT (4)		1	SPRING	279 163 R1
	103 320	5/16" lock WASHER (4)		1	VALVE	251 400 R1)
6	350 684 R1	"O" RING, oil cooler to manifold (3/4 x 15/16 x 3/32") (2)	13	134 519	VALVE, drain	L-150GM 5698 to 14300 L-150PM 5698 to 14300
7	349 038 R1	GASKET, oil cooler manifold	13	141 615	VALVE, drain	L-150GM 14301 up L-150PM 14301 up
8	251 400 R1	VALVE, oil cooler relief	14	9 409 927	ELBOW, 1/8" x 45° street	L-150GM 5698 to 14300 L-150PM 5698 to 14300
9	279 163 R1	SPRING, oil cooler relief valve	14	444 054	ELBOW, 1/4" x 45° street	L-150GM 14300 up L-150PM 14301 up
10	251 403 R1	GASKET, relief valve plug	15	305 206 R1	HOSE, engine oil cooler water outlet	
11	251 402 R1	PLUG, relief valve		362 123 R1	CLIP	
				444 577	PLUG, 1/4NPT sq-hd pipe (2)	

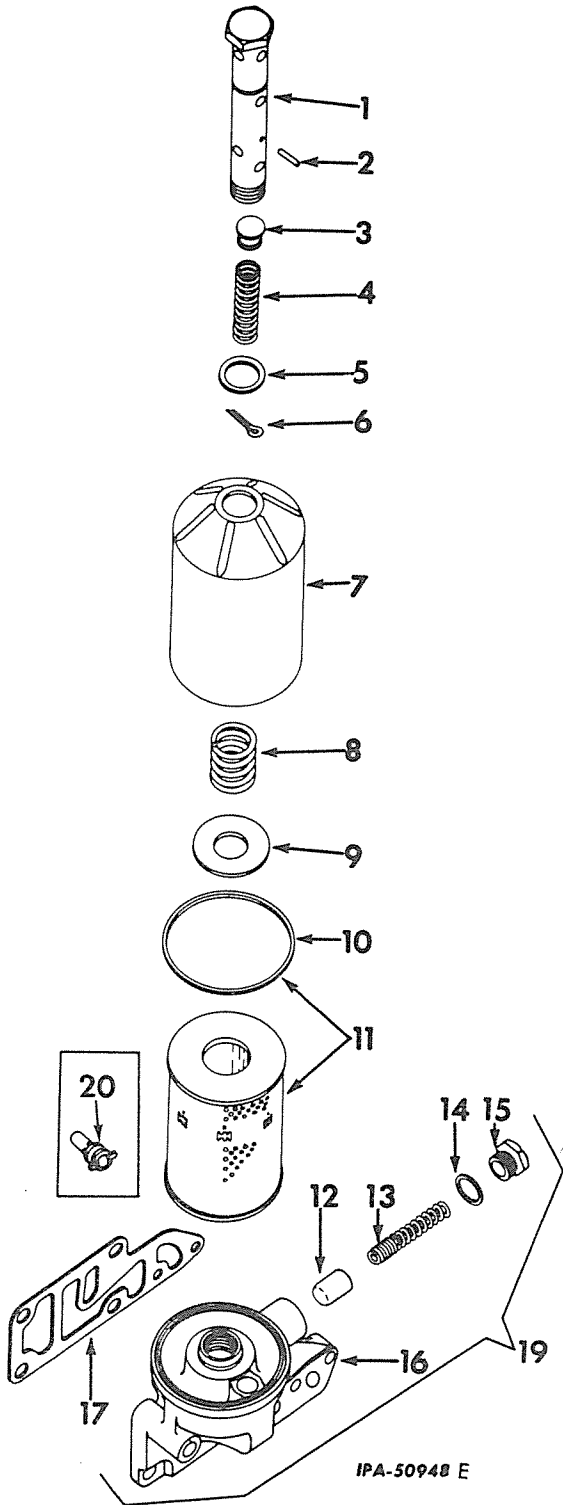
§ - Not Furnished Separately.



# LUBRICATION SYSTEM



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
LUBRICATING OIL FILTER L-150GM 5698 to 10859 L-150PM 5698 to 10859			LUBRICATING OIL FILTER - Continued L-150GM 5698 to 10859 L-150PM 5698 to 10859		



Parts without letters after the description indicates the part is used for all Filters listed below: Letters "A" and "B" are used to identify separate Filters.					
A	304 003 R91	FILTER ASSY, lubricating oil (+) L-150PM 5698 to 10859			
B	318 381 R91	FILTER ASSY, lubricating oil (%) L-150GM 5698 to 10859 7/16 x 1-1/4" hex-hd cap SCREW (3) 7/16 x 2" hex-hd cap SCREW 5/16 x 1-3/4" hex-soc-hd cap SCREW (2) 7/16" lock WASHER (4)			
1	304 005 R91	TUBE w/PIN, 17 141 R1, VALVE 304 008 R1 and SPRING, 304 009 R1, center			
2	17 141 R1	PIN, 5/32 x 1" (by-pass valve and spring retainer)			
3	304 008 R1	VALVE, by-pass			
4	304 009 R1	SPRING, by-pass valve			
5	304 012 R1	GASKET, center tube			
6	103 364	PIN, 1/16 x 1-1/8" cotter			
7	303 998 R1	CASE, lubricating oil filter			
8	304 011 R1	SPRING, element hold down			
9	304 010 R1	WASHER, element retainer			
10	304 854 R1	GASKET, oil filter case			
11	323 827 R91	PACKAGE, lubricating oil filter element service (consists of ELEMENT and GASKET, 304 854 R1)			
12	61 261 VA	VALVE, relief			
13	49 946 HA	SPRING, relief valve			
14	3 405 H	GASKET, relief valve plug			
15	61 263 VA	PLUG, relief valve			
16		(Not Furnished Separately)			
17	349 039 R1	GASKET, lubricating oil filter base			
19	320 285 R11	BASE ASSY (Consists of Ref. 12 to 16 and PLUG, 20 972 R1) 7/16 x 1-1/4" hex-hd cap SCREW (3) 7/16 x 2" hex-hd cap SCREW 5/16 x 1-3/4" hex-soc-hd cap SCREW (2) 7/16" lock WASHER (4)			
20	612 092 C91	VALVE, oil pressure regulating (used only when CRANKCASES, 601 776 C91 or 612 017 C91 replace CRANKCASE, 312 434 R93)			
	349 055 R2	"O" RING			
	362 123 R1	CLIP			
	120 063	ELBOW, 3/8" x 90° street (for manual shift loader and for power shift loader equipped with altitude compensation attachment) (also listed and illustrated w/turbocharger and piping)			
	20 972 R1	PLUG, 3/8NPT sq-hd pipe (for power shift loader not equipped with altitude compensation attachment)			
	444 618	PLUG, pipe			
		(+) - Not Used On Power Shift Loaders Equipped With Altitude Compensation Attachment.			
		(%) - Used On Power Shift Loaders Equipped With Altitude Compensation Attachment.			



# LUBRICATION SYSTEM

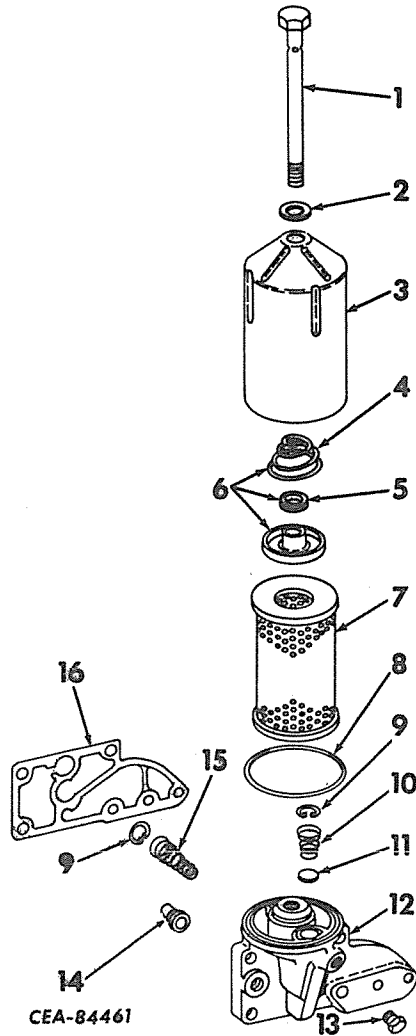


REF. PART NO.	PART NUMBER	DESCRIPTION
---------------	-------------	-------------

REF. PART NO.	PART NUMBER	DESCRIPTION
---------------	-------------	-------------

LUBRICATING OIL FILTER  
L-150GM 10860 up  
L-150PM 10860 up

LUBRICATING OIL FILTER - Continued  
L-150GM 10860 up  
L-150PM 10860 up



5	384 535 R1	GROMMET, element retaining washer
6	384 533 R91	RETAINER w/GROMMET, 384 535 R1 and SPRING, 384 536 R1 element
7	279 994 R91	ELEMENT, oil filter
8	304 854 R1	GASKET, oil filter case
9	303 322 R1	RING, snap (2)
10	384 525 R1	SPRING, check valve
11	384 528 R1	VALVE, oil filter base
12	601 789 C11	BASE w/PLUG, 445 673 oil filter
13	444 618	PLUG, 1/4" automotive hex-hd pipe
14	341 195 R92	VALVE, oil pressure regulating (*)
15	384 527 R1	SPRING, element by-pass
16	601 790 C1	GASKET, oil filter base (*)
	445 673	PLUG, oil filter base

601 786 C91	FILTER ASSY, lubricating oil (+) L-150PM 10860 up
601 788 C91	FILTER ASSY, lubricating oil (%) L-150GM 10860 up
179 860	7/16 x 1-1/4" hex-hd cap SCREW (3)
179 866	7/16 x 2" hex-hd cap SCREW
179 824	5/16 x 1-3/4" hex-soc-hd cap SCREW (2)
103 322	7/16" lock WASHER (4)

1	384 530 R11	TUBE ASSY, oil filter center
2	384 532 R1	GASKET, center tube
3	384 529 R1	CASE, oil filter
4	384 536 R1	SPRING, element hold down

(\*) - Not Furnished As Part Of Filter Assy.  
(+) - Not Used On Power Shift Loaders Equipped With Altitude Compensation Attachment.  
(%) - Used On Power Shift Loaders Equipped With Altitude Compensation Attachment.

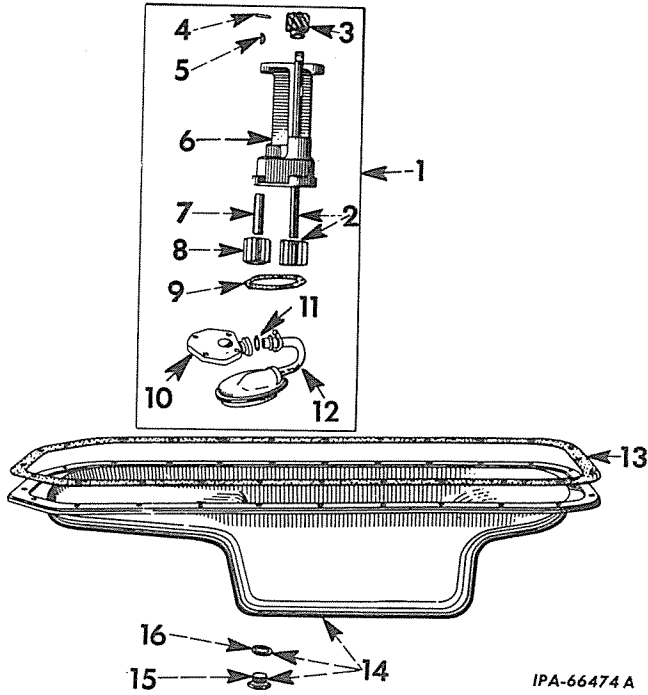


# LUBRICATION SYSTEM



REF. NO.	PART NUMBER	DESCRIPTION
CRANKCASE OIL PAN AND OIL PUMP		

REF. NO.	PART NUMBER	DESCRIPTION
CRANKCASE OIL PAN AND OIL PUMP - Continued		



IPA-66474 A

1	230 421 R91	PUMP ASSY, oil (less SCREEN and "O" RING - Ref. 11 and 12) (together with SCREEN, 347 372 R91, PIN, 137 195 and "O" RING, 352 221 R1, will work for PUMP, 328 546 R91) 5/16 x 1" hex-hd cap SCREW (2) 5/16" lock WASHER (2)
2	230 409 R91	SHAFT w/GEAR, oil pump drive
3	69 608 R1	GEAR, oil pump drive
4	112 011	PIN, 1/8 x 7/8" square end straight
5	103 905	KEY, oil pump drive gear (Woodruff No. 5)
6		BODY (Not Furnished Separately)
7	35 647 H	SHAFT, idler gear
8	227 713 R1	GEAR, pump body driven
9	69 607 R1	GASKET, oil pump cover
10	169 679 R1	COVER, oil pump body 5/16 x 1" hex-hd cap SCREW (4) 5/16" lock WASHER (4)
11	352 221 R1	"O" RING (3/4 x 9/16 x 3/32") (not furnished as part of PUMP, 230 421 R91)
12	347 372 R91	SCREEN, oil pump (not furnished as part of PUMP, 230 421 R91) (together with COVER, 169 679 R1, PIN, 137 195 and "O" RING, 352 221 R1, will work for COVER and SCREEN, 327 409 R91) 1/8 x 1-1/4" cotter PIN

13	369 984 R1	GASKET, crankcase oil pan
14	332 137 R91	PAN w/GASKET, 3 405 H and PLUG, 445 096 crankcase oil 5/16 x 3/4" hex-hd cap SCREW (25) 5/16" lock WASHER (25)
15	445 096	PLUG, crankcase oil pan drain
16	3 405 H	GASKET, crankcase oil pan drain plug

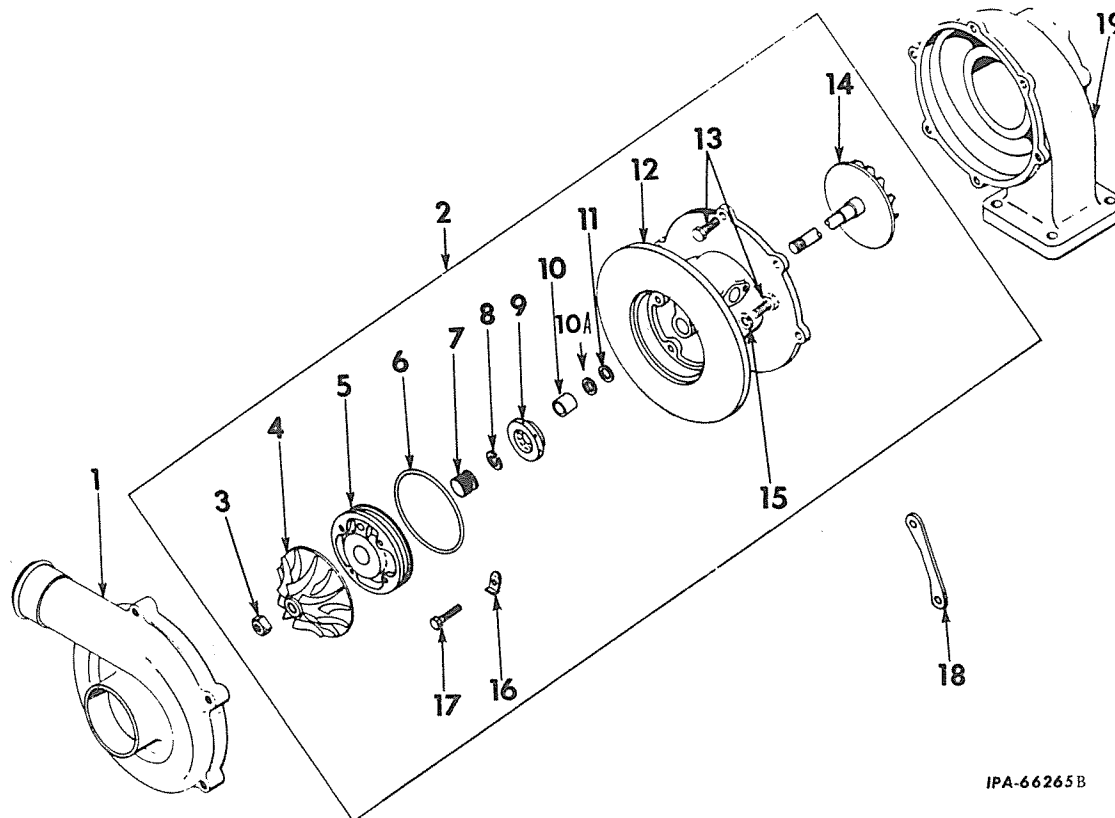
# TURBOCHARGER



REF. PART NO.	PART NUMBER	DESCRIPTION	REF. PART NO.	PART NUMBER	DESCRIPTION
---------------	-------------	-------------	---------------	-------------	-------------

**TURBOCHARGER**  
 (Airesearch Industrial Division)  
 (Used on Manual Shift Loader) (Used on Power Shift Loaders  
 Equipped With Altitude Compensation Attachment)

**TURBOCHARGER - Continued**  
 (Airesearch Industrial Division)  
 (Used on Manual Shift Loader) (Used on Power Shift Loaders  
 Equipped With Altitude Compensation Attachment)



321 373 R91	TURBOCHARGER ASSY (for manual shift loader) (consists of the following parts unless otherwise indicated)	13	SCREW, 5/16 x 3/4" hex-hd cap (not part of center housing and rotating core assembly) (6)
324 032 R91	TURBOCHARGER ASSY (for power shift loaders equipped with altitude compensation attachment) (consists of the following parts unless otherwise indicated)	14	324 258 R91 WHEEL and SHAFT ASSY, turbine (402243)
310 427 R1	BOLT, turbocharger mounting (4)	15	WASHER, 5/16" extra heavy lock (not part of center housing and rotating core assembly)(6)
1 309 126 R1	HOUSING, compressor	16	321 378 R1 PLATE, thrust lock (4)
2 321 374 R91	CORE ASSY, center housing and rotating (not remanufactured)	17	9 415 665 SCREW, No. 10 x 7/8" hex-hd mach (4)
627 915 C91	CORE ASSY (Remanufactured) (individual component parts making up remanufactured core assys are not serviceable by themselves)	18	321 375 R1 PLATE, turbine housing lock (6)
3 19 839 R1	NUT, 5/16NF lock	19	309 127 R1 HOUSING, turbine (part of TURBOCHARGER, 321 373 R91)
4 324 255 R1	WHEEL, compressor	19	324 039 R1 HOUSING, turbine (part of TURBOCHARGER, 324 032 R91)
5 321 377 R91	PLATE ASSY, housing thrust	309 164 R1	FLANGE, oil inlet blank 3/8 x 3/4" hex-hd cap SCREW (2) 3/8" lock WASHER (2)
6 319 970 R1	"O" RING, thrust plate (2.98 x 3.25 x .135")	307 787 R1	RING, oil inlet screen snap (order 601 005 C91)
7 324 256 R1	SPACER, thrust	321 376 R91	ROTATING ASSY, compressor and turbine wheel (Composed of -
8 321 379 R1	RING, compressor wheel seal	1	NUT 19 839 R1
9 615 374 C1	WASHER, thrust	1	RING 321 379 R1
10 615 841 C1	BUSHING, rotate shaft (406 702) (together w/WASHER, 615 842 C1 will work for BUSHING 319 971 R1) (2)	1	SPACER 324 256 R1
10A 615 842 C1	WASHER, bushing (used w/BUSHING, 615 841 C1) (2)	1	WASHER 615 374 C1
11 21 519 R1	RING, shaft bushing retaining (3)	1	WHEEL 324 255 R1
12	HOUSING (order 321 374 R91)	1	WHEEL and SHAFT 324 258 R91)





# MEMORANDA

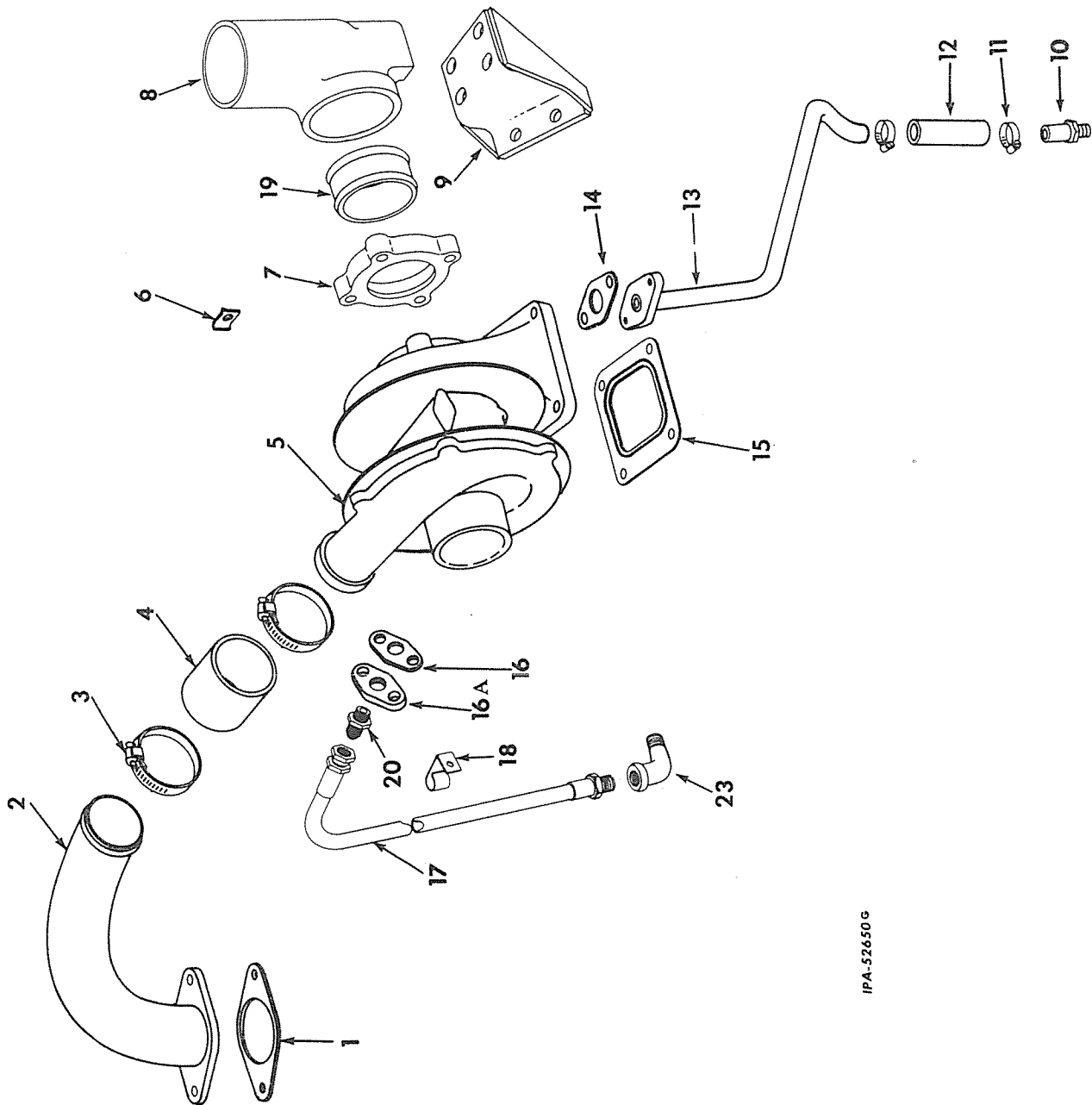


# TURBOCHARGER



**TURBOCHARGER AND PIPING**  
(Used on Manual Shift Loader) (Used on Power Shift Loader  
Equipped With Altitude Compensation Attachment)

**TURBOCHARGER AND PIPING - Continued**  
(Used on Manual Shift Loader) (Used on Power Shift Loader  
Equipped With Altitude Compensation Attachment)



IPA-52650 G



# TURBOCHARGER



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TURBOCHARGER AND PIPING - Continued (Used on Manual Shift Loader) (Used on Power Shift Loader Equipped With Altitude Compensation Attachment)			TURBOCHARGER AND PIPING - Continued (Used on Manual Shift Loader) (Used on Power Shift Loader Equipped With Altitude Compensation Attachment)		
1	369 497 R2	GASKET, air outlet pipe flange	23	120 063	ELBOW, 3/8" x 90° street (also listed with "Lubricating Oil Filter")
2	306 660 R11	PIPE w/PLUG, 444 575 turbocharger air outlet			
	179 859	7/16 x 1-1/8" hex-hd cap SCREW (2)			
	103 322	7/16" lock WASHER (2)			
	444 577	PLUG, 1/4NPT sq-hd pipe			
3	279 038 R91	CLAMP, air outlet pipe hose (2)			
4	310 385 R1	HOSE, air outlet pipe (2-1/4 x 2-5/8 x 2-3/4")			
5		TURBOCHARGER (for components see list of parts under details of "Turbocharger")			
6	50 408 D	LOCK, exhaust discharge elbow bolt (4)			
7	316 050 R1	RETAINER, exhaust elbow			
	304 426 R1	BOLT, exhaust discharge elbow (4)			
8	316 052 R2	ELBOW, exhaust discharge			
	310 427 R1	BOLT, exhaust discharge elbow (4)			
	113 934 H	WASHER (4)			
9	316 053 R11	BRACE, exhaust elbow upper			
	304 451 R1	NUT (2)			
	186 317	3/8NF x 1-5/8" hex-hd cap SCREW (2)			
	113 934 H	WASHER (2)			
10	171 823 R1	NIPPLE, 3/4NPT x 3/4" hose			
11	122 316 R91	CLAMP, turbocharger oil outlet (2)			
12	312 109 R1	HOSE, turbocharger oil outlet (3/4 x 1-1/4 x 4.2")			
13	308 361 R11	TUBE, turbocharger oil outlet			
	179 837	3/8 x 3/4" hex-hd cap SCREW (2)			
	103 321	3/8" lock WASHER (2)			
14	253 664 R2	GASKET, turbocharger oil outlet			
15	304 391 R2	GASKET, turbocharger			
16	253 660 R1	GASKET, turbocharger oil inlet flange			
16A	318 379 R1	FLANGE, turbocharger oil inlet tube			
	179 837	3/8 x 3/4" hex-hd cap SCREW (2)			
	103 321	3/8" lock WASHER (2)			
17	606 696 C91	HOSE w/FITTINGS, turbocharger oil inlet (HOSE, 1/2 x 27" long w/FITTINGS)			
18	318 380 R1	CLAMP, turbocharger oil inlet line			
19	316 051 R1	SLEEVE, turbocharger exhaust			
20	321 359 R1	ADAPTER, turbocharger oil inlet			

# ELECTRICAL SYSTEM



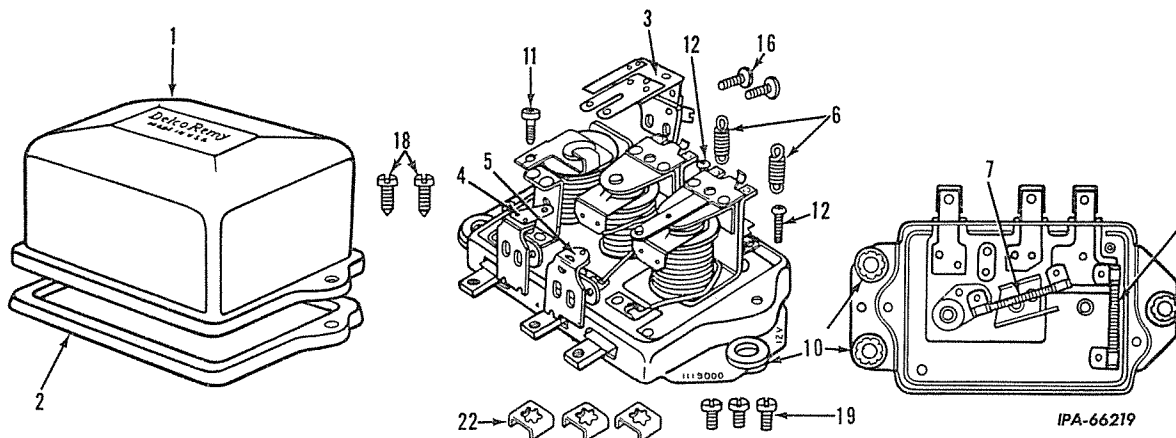
REF. NO.	DELCO-REMY NUMBER	DESCRIPTION	REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
----------	-------------------	-------------	----------	-------------------	-------------

**VOLTAGE REGULATOR**

(Delco-Remy)  
 L150G 6519 to 14843  
 L150P 6501 to 14843

**VOLTAGE REGULATOR - Continued**

(Delco-Remy)  
 L150G 6519 to 14843  
 L150P 6501 to 14843



IPA-66219

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

A	1119257	REGULATOR ASSY, voltage (12 volt - 17 amp) (used w/GENERATOR, 1105121) (Order REGULATOR 1119682)	6	1912176	SPRING, current regulator armature
B	1119247	REGULATOR ASSY, voltage (12 volt - 24 amp) (used w/GENERATOR, 1105134)	7	1910174	RESISTOR, "F" terminal to ground
1	1931886	COVER	8	1910174	RESISTOR, "F" terminal to relay
2	1931887	GASKET, cover	10	1879663	GROMMET, in base (rubber) (3)
3	1939646	ARMATURE, relay	11	1912159	SCREW, relay armature adjusting
4	1945732	CONTACT and SUPPORT, voltage regulator (Regulator A)	12	1944590	SCREW, regulator armature adjusting (2)
4	1878517	CONTACT and SUPPORT, voltage regulator (Regulator B)	16	1924764	SCREW, relay armature attaching (2)
5	1945732	CONTACT and SUPPORT, current regulator (Regulator A)	18	1943385	SCREW, cover (2)
5	1933239	CONTACT and SUPPORT, current regulator (Regulator B)	19	1878502	SCREW, terminal (3)
6	1949142	SPRING, voltage regulator armature (Regulator A)	22	1878503	CLAMP, terminal (3)
6	1923517	SPRING, voltage regulator armature (Regulator B)		1933941	LEAD, ground
				124818	NUT, shock mount attaching (3)
				1911034	SHOCK, mount (4 hole)
				1911028	SHOCK, mount (3 hole)
				273484	SCREW, shock mount attaching (3)
				1874495	WASHER, mount attaching screw lock (3)

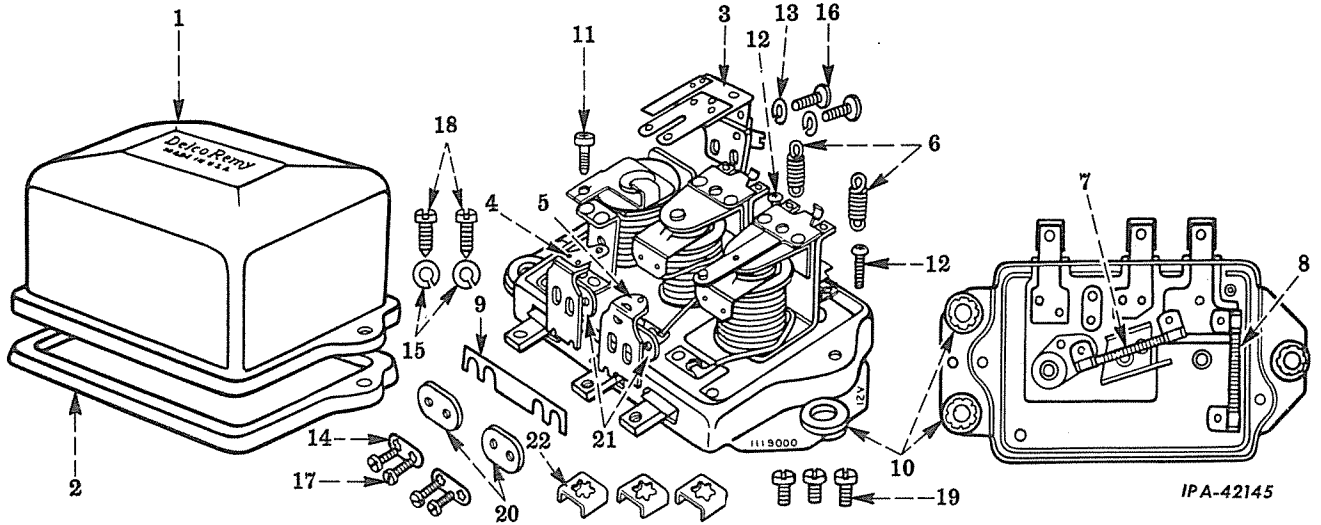
Always Give VOLTAGE REGULATOR Number When Ordering Parts.



# ELECTRICAL SYSTEM



REF. PART NO.	PART NUMBER	DESCRIPTION	REF. PART NO.	PART NUMBER	DESCRIPTION
VOLTAGE REGULATOR - Continued (Delco-Remy) L150G 6519 to 14843 L150P 6501 to 14843			VOLTAGE REGULATOR (Delco-Remy) L150G 6519 to 14843 L150P 6501 to 14843		



IPA-42145

1119682	REGULATOR ASSY, voltage (12 volt) (Will work for REGULATOR 1119257) (Used with GENERATOR 1105121) (Consists of the following parts - COVER (Not furnished separately)	17	1878516	SCREW, current regulator contact attaching (3)
1	COVER (Not furnished separately)	17	1943854	SCREW, voltage regulator contact attaching (3)
2	1931887 GASKET	18	1943386	SCREW, cover (2)
3	1942909 ARMATURE, relay	19	1914800	SCREW, terminal (3)
4	1878493 CONTACT and SUPPORT, current regulator	20	1922599	BUSHING, current regulator contact attaching screw
5	1939658 CONTACT and SUPPORT, voltage regulator	21	1878507	WASHER, current regulator attaching screw insulating
6	1912176 SPRING, regulator armature (current)	22	1878503	CLAMP, terminal (3)
6	1959948 SPRING, regulator armature (voltage)		1855978	CLAMP, ground screw (in base)
7	1941431 RESISTOR, relay to voltage circuit		1939659	INSULATOR, voltage contact support
7	1941432 RESISTOR, current to field		1933941	LEAD ASSY, ground
8	1941431 RESISTOR, current to ground		1910966	PACKAGE, shock mount
9	1939661 CONNECTOR, voltage and current		1950267	RESISTOR, voltage adjusting (110 ohm)
10	1879663 GROMMET, rubber (in base) (3)		1950268	RESISTOR, voltage adjusting (56 ohm)
11	1912159 SCREW, relay armature adjusting		1950269	RESISTOR, voltage adjusting (36 ohm)
12	1944590 SCREW, regulator adjusting (2)		1950270	RESISTOR, voltage adjusting (20 ohm)
13	1924764 SCREW, and lock WASHER ASSY, relay armature attaching (2)		274 577	SCREW, ground (in base)
14	1878505 WASHER, current regulator contact attaching screw lock		1950276	SCREW and lock WASHER, voltage adjusting
15	NOT USED		1922996	WASHER, insulating contact (1/32" thick)
16	1924764 SCREW and lock WASHER ASSY, relay armature attaching (2)		1957462	WASHER, insulating contact

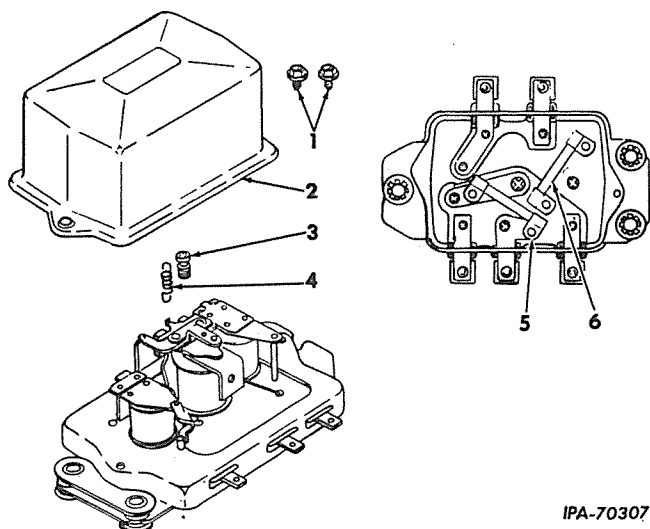
Always Give VOLTAGE REGULATOR Number When Ordering Parts.

# ELECTRICAL SYSTEM



REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

VOLTAGE REGULATOR  
 (Delco-Remy)  
 L150G 14844 Up  
 L150P 14844 Up



IPA-70307

- 1119513 REGULATOR w/SHOCK BRACKET, voltage (Used with ALTERNATOR 1100812)  
 (Composed of -
  - 1 PACKAGE 1962629
  - 1 REGULATOR 1119507
  - 3 SCREW 454669
  - 3 WASHER 120380 )
  - 1/4" NF NUT
  - 1/4 x 1" std-mach SCREW (2)
  - 1/4" lock WASHER (3)
- 1119507 REGULATOR ASSY, voltage  
 (Consists of Ref. Nos. 1 thru 6) (furnished as part of REGULATOR 1119513)

- 1 9418115 SCREW, cover attaching (2)
- 2 1958151 COVER, regulator
- 3 1958148 SCREW, adjusting
- 4 1958137 SPRING, adjusting screw
- 5 1941431 RESISTOR
- 6 1960347 RESISTOR
- 1962629 PACKAGE, shock bracket
- 454669 SCREW, terminal (3)
- 120380 WASHER, terminal screw lock (3)

Always Give VOLTAGE REGULATOR Number When Ordering Parts.

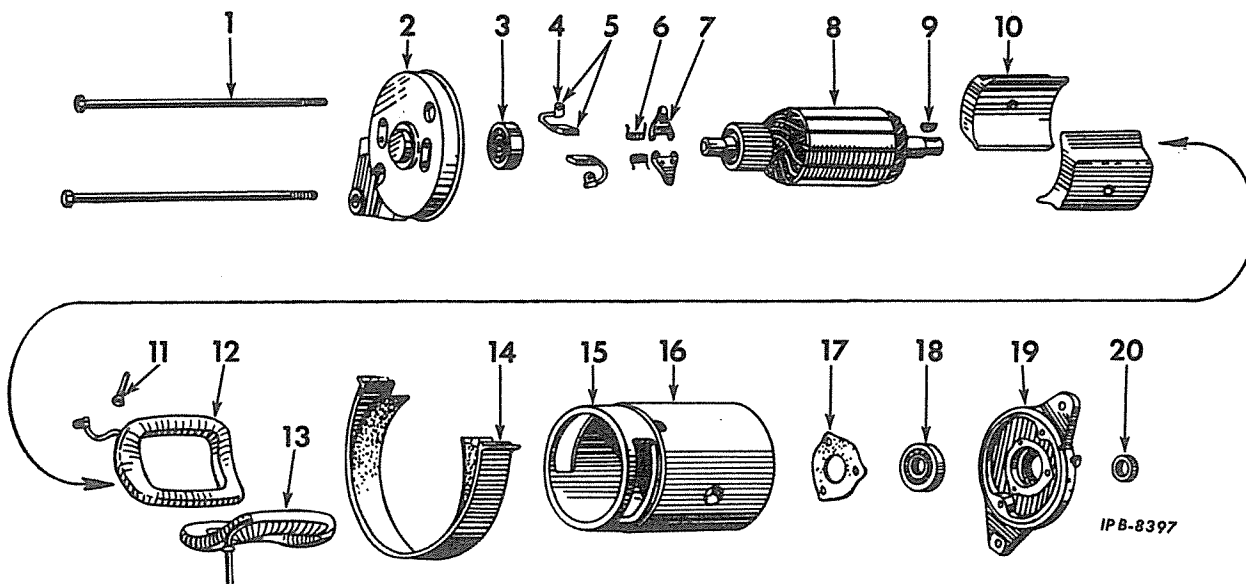
# ELECTRICAL SYSTEM



REF. NO.	DELCO-REMY NUMBER	DESCRIPTION	REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
----------	-------------------	-------------	----------	-------------------	-------------

**GENERATOR**  
 (12 Volt) (Delco-Remy) (Standard)  
 L150G 6519 to 14843  
 L150P 6501 to 14843

**GENERATOR - Continued**  
 (12 Volt) (Delco-Remy) (Standard)  
 L150G 6519 to 14843  
 L150P 6501 to 14843



	1105121	GENERATOR ASSY (12 volt)	12	1945276	COIL, RH field
1	809763 9421424	BOLT, thru (2) WASHER, thru bolt lock (2)	13	1945275	COIL, LH field
2	1936330 1929959	FRAME, commutator end RING, bearing retainer	14	1879530 453479 34816	BAND, cover SCREW, cover band NUT, cover band
3	904751	BEARING, commutator end ball	15	809062	PIN, dowel, commutator end and drive end (2)
4	200 362	CLIP, terminal to brush	16	131238 453294	FRAME (Not Furnished Separately) SCREW, frame WASHER, frame lock
5	1932506 453460 1914816	BRUSH (2) SCREW, brush lead attaching (2) WASHER, brush lead attaching lock (2)	17	1911263 1914580 1962276	PLATE, drive end ball bearing retainer SCREW, ball bearing retainer plate attaching (3) WASHER, ball bearing retainer plate attaching screw lock (3)
6	1856993	SPRING, brush (2)	18	900529	BEARING, drive end ball
7	1878183 1857412	ARM, brush (2) WASHER, brush arm space (2)	19	1936333	FRAME, drive end
8	1950357	ARMATURE	20	1858603 809945	COLLAR, drive end space (outside) COLLAR, drive end space (inside)
9	124545	KEY (Woodruff)		1885090	INSULATOR, terminal (2)
10	1918004 1914750	SHOE, pole (2) SCREW, pole shoe (2)		1915172	NUT, drive end shaft
11	1858751 1902746 1881409 121743 1914579	STUD, terminal (2) WASHER, insulating terminal stud (2) WASHER, plain terminal stud (2) NUT, terminal stud (4) WASHER, terminal stud lock (4)		1915265	WASHER, drive end shaft

IPB-8397

Always Give GENERATOR Number When Ordering Parts.

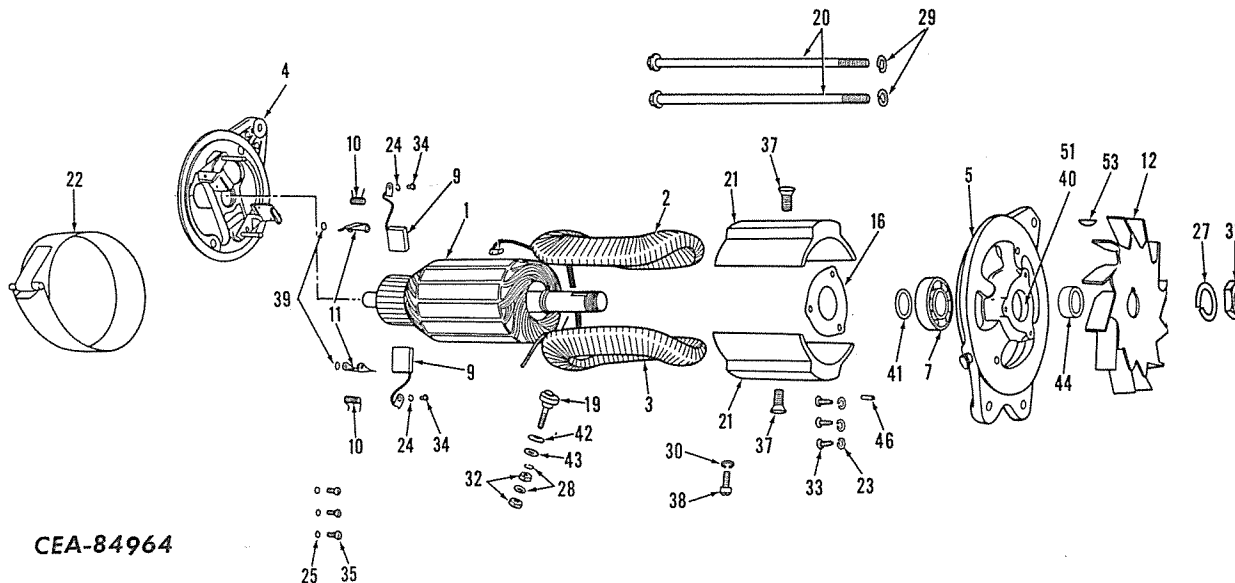
# ELECTRICAL SYSTEM



REF. NO.	DELCO-REMY NUMBER	DESCRIPTION	REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
----------	-------------------	-------------	----------	-------------------	-------------

**GENERATOR**  
 (12 Volt) (Delco-Remy) (Hi-Output)  
 L150G 6519 to 14843  
 L150P 6501 to 14843

**GENERATOR - Continued**  
 (12 Volt) (Delco-Remy) (Hi-Output)  
 L150G 6519 to 14843  
 L150P 6501 to 14843



CEA-84964

	1105134	GENERATOR ASSY	29	9421424	WASHER, thru bolt lock
1	1938209	ARMATURE	30	453294	WASHER, field frame lock
2	1945276	COIL, RH field	31	9418881	NUT, shaft
3	1945275	COIL, LH field	32	121743	NUT, terminal stud
4	1938207	FRAME, commutator end	33	1914580	SCREW, bearing retainer plate (drive end)
5	1934553	FRAME, drive end	34	453 460	SCREW, brush lead attaching
6	900529	BEARING, commutator end ball	35	1917123	SCREW, commutator cover attaching
7	900529	BEARING, drive end ball	37	1914750	SCREW, pole shoe
9	1932506	BRUSH (2)	38	131238	SCREW, field frame
10	1856993	SPRING, brush (2)	39	1857412	WASHER, brush arm spacer
11	1878183	ARM, brush (2)	40	809961	WASHER, felt
12	1937227	FAN, drive end	41	809945	WASHER, commutator end spacer
16	1935923	PLATE, bearing retainer	42	1902746	WASHER, terminal stud insulating
19	1858751	STUD, terminal	43	1881409	WASHER, terminal stud plain
20	809763	BOLT, thru (2)	44	1913689	COLLAR, fan
21	1918004	SHOE, pole (2)	46	809062	PIN, drive end dowel
22	1879530	BAND, cover	51	1929959	RING, bearing clamp
23	1962276	WASHER, ball bearing retainer screw lock	52	200362	CLIP, terminal to brush
24	1914816	WASHER, brush lead attaching screw lock	53	124548	KEY, drive end
25	1962276	WASHER, commutator cover lock		1885090	BUSHING, terminal
27	1905406	WASHER, shaft nut lock		1945119	COVER, commutator end
28	1914579	WASHER, terminal stud lock		1912073	INSULATION, field coil





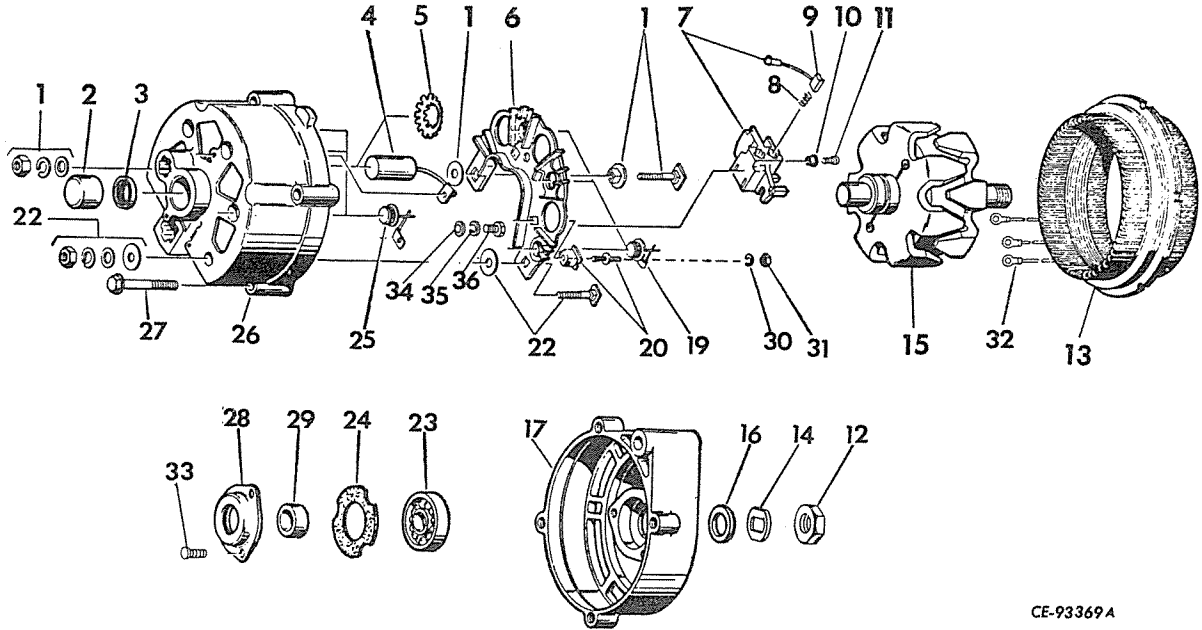
-56A-  
**ELECTRICAL SYSTEM**



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------	----------	-------------	-------------

ALTERNATOR  
(Delco-Remy)  
L150G 14844 Up  
L150P 14844 Up

ALTERNATOR  
(Delco-Remy)  
L150G 14844 Up  
L150P 14844 Up



CE-93369A

ILLUSTRATIONS ARE OF TYPICAL PARTS ONLY.

1100812	ALTERNATOR ASSEMBLY (12V - 22 Amp.) (Consists of the following parts -	16	1959991	COLLAR	
1	1959833	TERMINAL, Package Ground	17	1970595	FRAME, Drive End
2	7451763	BEARING, slip ring end	19	1964353	DIODE, Positive (3)
3	1959790	SEAL, slip ring end	20	1959834	TERMINAL PACKAGE
4	1959455	CAPACITOR	22	1959832	TERMINAL PACKAGE, Battery
	1959523	WASHER, capacitor screw insulator	23	904751	BEARING, Drive End
5	1960750	RETAINER, capacitor retaining	24	1912008	GASKET
6	1959828	HEAT SINK ASSEMBLY (Composed of -	25	1964354	DIODE, Negative (3)
		3 DIODE 1964353	26	1970918	FRAME, Slip Ring - End (Composed of -
		1 NUT 453434			1 BEARING 7451763
		1 TERMINAL PACKAGE 1958934			3 DIODE 1964354
		1 WASHER 9419392 )			1 RETAINER 1960750
					1 SEAL 1959790 )
7	1964682	BRUSH HOLDER AND BRUSH ASSY.	27	1956975	BOLT (4)
8	1964117	SPRING	28	1955494	RETAINER ASSY.
9		BRUSH (Not Furnished Separately)	29	1963139	COLLAR
10	1959389	INSULATOR, Brush Holder - Screw	30	9419392	WASHER, Lock
11	1957501 9419392	SCREW, Brush Holder WASHER, Spring, Brush Holder Attaching Screw	31	453434	NUT, Diode Junction Terminal
12	1915172	NUT, Shaft	32	1959532	CLIP (3)
13	1959381	STATOR ASSY, w/three CLIP 1959532	33	1965104	SCREW (3)
14	1941978	WASHER, Shaft Nut Drive End Lock	34	815540	WASHER, Plain Capacitor Terminal Screw
15	1966614	ROTOR ASSEMBLY	35	9419392	WASHER, Capacitor Terminal Screw Lock
			36	132768	SCREW, Capacitor Terminal



**MEMORANDA**



# ELECTRICAL SYSTEM



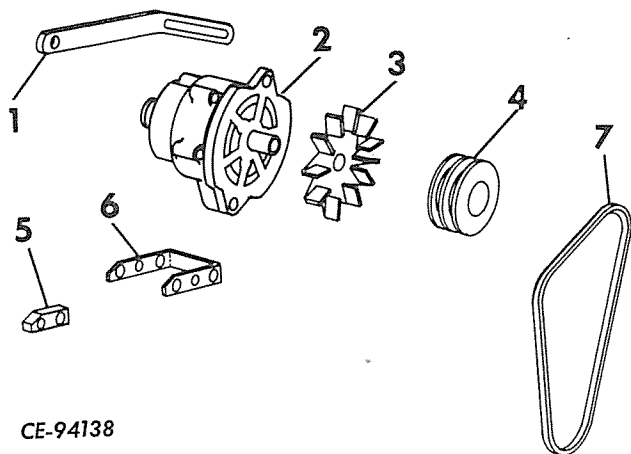
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------	----------	-------------	-------------

**ALTERNATOR AND CONNECTIONS**

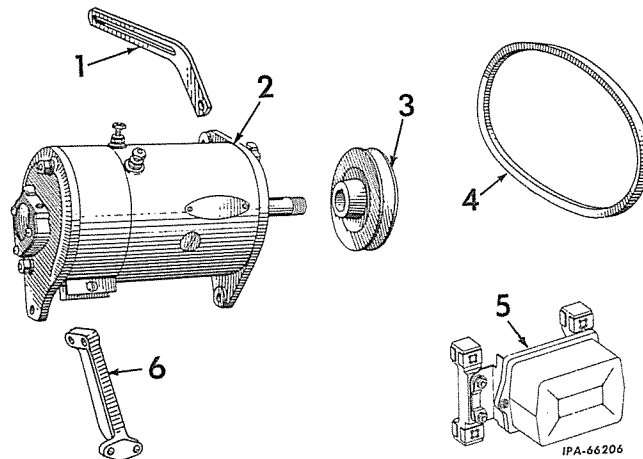
L150G 14844 Up  
L150P 14844 Up

**GENERATOR AND CONNECTIONS**

L150G 6519 to 14843  
L150P 6501 to 14843



CE-94138



1	384 997 R1	BRACE, alternator 5/16 x 1-1/8" hex-hd cap SCREW 7/16 x 1" hex-hd cap SCREW 5/16" lock WASHER 7/16" lock WASHER
	280 185 R1	WASHER, flat
2		ALTERNATOR ASSY. (For components see list of parts under details of "Alternator")
3	221 425 R1	FAN, alternator
4	678 030 C1	PULLEY, alternator 3/8" NUT 3/8 x 3-1/4" hex-hd cap SCREW 3/8" lock WASHER
5	384 996 R1	SPACER, bracket
6	384 995 R1	BRACKET, alternator 5/16 x 1-3/4" hex-hd cap SCREW 3/8 x 1-3/4" hex-hd cap SCREW 5/16" lock WASHER 3/8" lock WASHER
7	670 572 C1	BELT, alternator "V"

1	274 191 R2	BRACE, generator 7/16" NUT 3/8 x 7/8" hex-hd cap SCREW 3/8" lock WASHER 13/32 x 13/16" x 16 ga. WASHER 7/16" lock WASHER
2		GENERATOR ASSY, w/o PULLEY (for components see list of parts under details of "Generator", standard or high output) 3/8" NUT 3/8 x 1-1/2" hex-hd cap SCREW 3/8 x 2" hex-hd cap SCREW 3/8" lock WASHER (2)
3	306 659 R1	PULLEY, generator (used with standard generator)
3	322 760 R1	PULLEY, generator (used with high output generator)
4	306 658 R1	BELT, generator
5		REGULATOR, voltage (for components see list of parts under details of "Voltage Regulator") 1/4NF NUT 1/4NF x 1" hex-hd cap SCREW (3) 1/4NF x 1-1/4" hex-hd cap SCREW 1/4" lock WASHER (4)
6	306 657 R1	BRACKET, generator 5/16 x 1" hex-hd cap SCREW (2) 5/16" lock WASHER (2)
	62 493 D	WASHER
	100 770 H	CLIP, cable harness (on generator bracket)
	23 316 H	SPACER, generator front mounting bolt (used with high output generator)
	612 559 C91	ATTACHMENT, high output generator (consists of GENERATOR (Delco-Remy No. 1105134), PULLEY, 322 760 R1, REGULATOR (Delco-Remy No. 1119247) and SPACER, 23 316 H) (See NOTE 3)

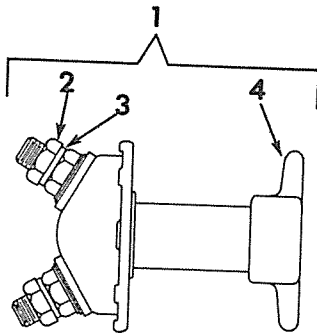
NOTE 3 - Field Application - Order Through Service Parts Channels.



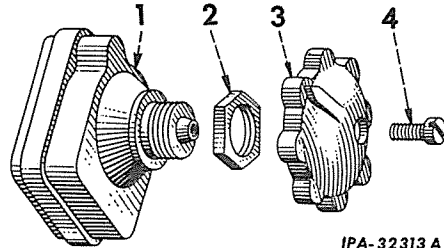
# ELECTRICAL SYSTEM



REF. NO.	DELCO-REMY NUMBER	DESCRIPTION	REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
		<b>MASTER SWITCH</b> (Delco-Remy)			<b>LIGHTING SWITCH</b> (Delco-Remy)



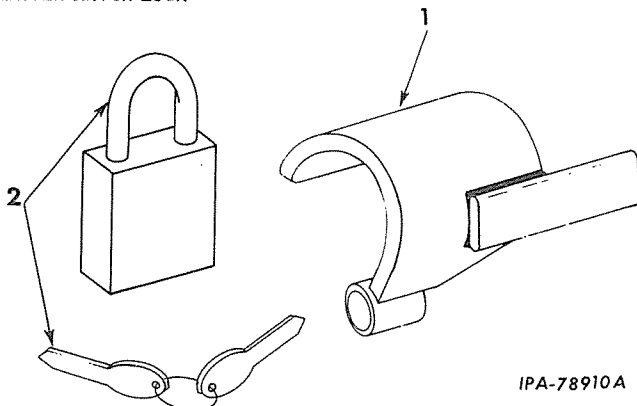
IPA-60759



IPA-32313 A

1	1996495	SWITCH ASSY, master (order 1996496)	1	1994050	SWITCH ASSY, lighting 11/16" internal-tooth lock WASHER
1	1996496	SWITCH ASSY, master (will work for 1996495)	2	1882012	NUT, lighting switch mounting
	25 519 R1	1/4" NUT	3	1882013	KNOB, lighting switch
	25 222 R1	1/4 x 3/4" hex-hd cap SCREW	4	1864099	SCREW, lighting switch knob mounting No. 8 cd-pltd lock WASHER
	115 109	1/4" lock WASHER			
2	453787	NUT, terminal (2)			
3	9 421 425	WASHER, terminal nut lock (2)			
4	1886953	KNOB, control (part of SWITCH ASSY, 199 6495)			
	132110	SCREW, knob attaching			
	364 910 R1	COVER, terminal (Not Furnished As Part of Master SWITCH ASSY.)			
	9422354	WASHER, knob attaching screw lock			

## MASTER SWITCH LOCK



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
	16 558 R1	1/4" flat WASHER (2)
2	650 382 C91	PADLOCK/ W/KEYS
	16 558 R1	WASHER, master switch lock flat
	314 753 R1	SPACER, master switch lock

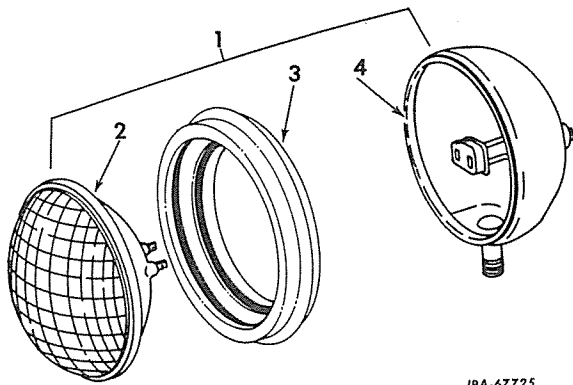


# ELECTRICAL SYSTEM



REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

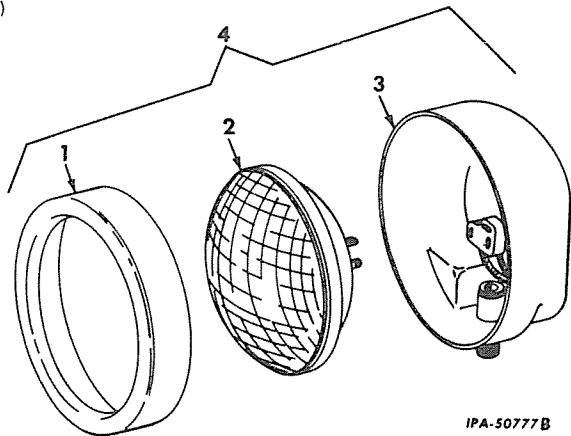
**HEADLIGHT AND REAR LIGHT**  
(Guide Lamp)



IPA-67725

1	338 826 R91	HEADLIGHT and REAR LIGHT ASSY (optional with LIGHT, 303 704 R92) (899600) (3) 1/2NF NUT (3) 1/2" lock WASHER (3)
	600 658 C1	WASHER, headlight upper (2)
	446 229	WASHER, headlight lower (2)
2	272 061 R91	UNIT, sealed (12 volt) (4478) (3)
3	338 896 R1	RETAINER, sealed unit (5932776) (3)
4		BODY (order 338 826 R91) (3)

**HEADLIGHT AND REAR LIGHT**  
(Hobbs)

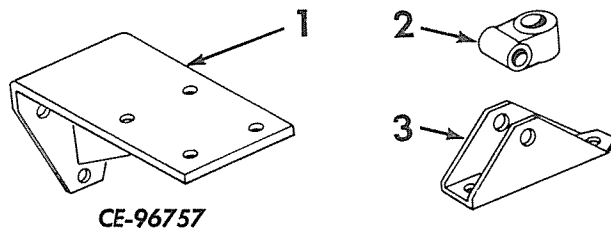


IPA-50777B

1	313 957 R1	RETAINER, lamp (4491) (3)
2	272 061 R91	UNIT, sealed (4478) (3)
3		SHELL (order 303 704 R92) (3)
4	303 704 R92	HEADLIGHT and REAR LIGHT ASSY (optional with LIGHT, 338826 R91) (MI 1498) (3) 1/2NF NUT (3) 1/2" lock WASHER (3)
	600 658 C1	WASHER, headlight (upper) (2)
	446 229	WASHER, headlight (lower) (2)

REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

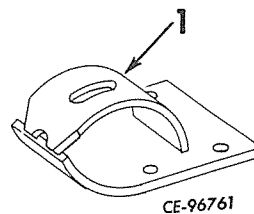
**BRACKETS AND SWIVELS FOR HEADLIGHTS AND REAR LIGHTS**  
(Part of Electric Lighting Attachments, 334 787 R91 and 624 385 C91)



CE-96757

1	330 713 R11	BRACKET, headlight mounting (2) 1/2 x 1" hex-hd cap SCREW (6) 1/2" lock WASHER (6)
2	303 706 R1	SWIVEL, rear light 1/2NF NUT 1/2NF x 2-1/2" hex-hd cap SCREW 1/2" lock WASHER
3	281 923 R1	BRACKET, rear light mounting 1/2NF NUT (2) 1/2NF x 1" hex-hd cap SCREW (2) 1/2" lock WASHER (2)

**HEADLIGHT BRACKET**  
(Part of Electric Lighting Attachment, 334 787 R91)



CE-96761

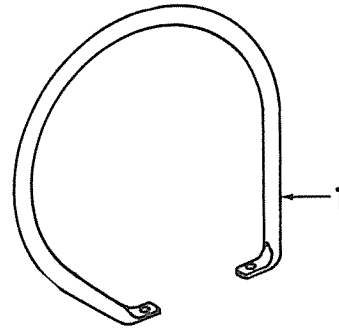
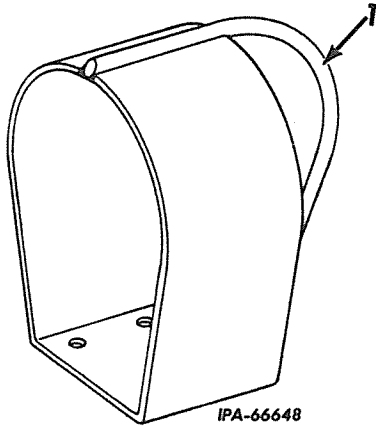
1	331 145 R91	BRACKET, headlight mounting (2) 7/16" NUT (8) 7/16 x 1-1/4" hex-hd cap SCREW (8) 7/16" lock WASHER (8)
---	-------------	---



# ELECTRICAL SYSTEM



REF. PART NO.	PART NUMBER	DESCRIPTION	REF. PART NO.	PART NUMBER	DESCRIPTION
		HEADLIGHT BRUSH GUARD			REAR LIGHT BRUSH GUARD



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

		Parts without letters after the description indicates the part is used for all attachments listed below: Letters "A" and "B" are used to identify separate attachments.			
A	331 238 R91	ATTACHMENT, headlight brush guard (see NOTE 3) L-150G 6519 to 15522 L-150P 6501 to 15522	A	277 457 R91	ATTACHMENT, rear light brush guard (see NOTE 3) L-150G 6519 to 15522 L-150P 6501 to 15522
B		GUARD, headlight brush (service for loaders equipped w/ATTACHMENT, 624 385 C91)	B		GUARD, rear light brush (service for loaders equipped w/ATTACHMENT, 624 385 C91)
1	330 714 R11	HEADLIGHT, brush guard (2) 7/16 x 1" hex-hd cap SCREW (8) 7/16" lock WASHER (8)	1	281 268 R2	GUARD, rear light brush 1/2NF NUT (2) 1/2NF x 1-3/4" hex-hd cap SCREW (2) 1/2" lock WASHER (2)

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



# MEMORANDA



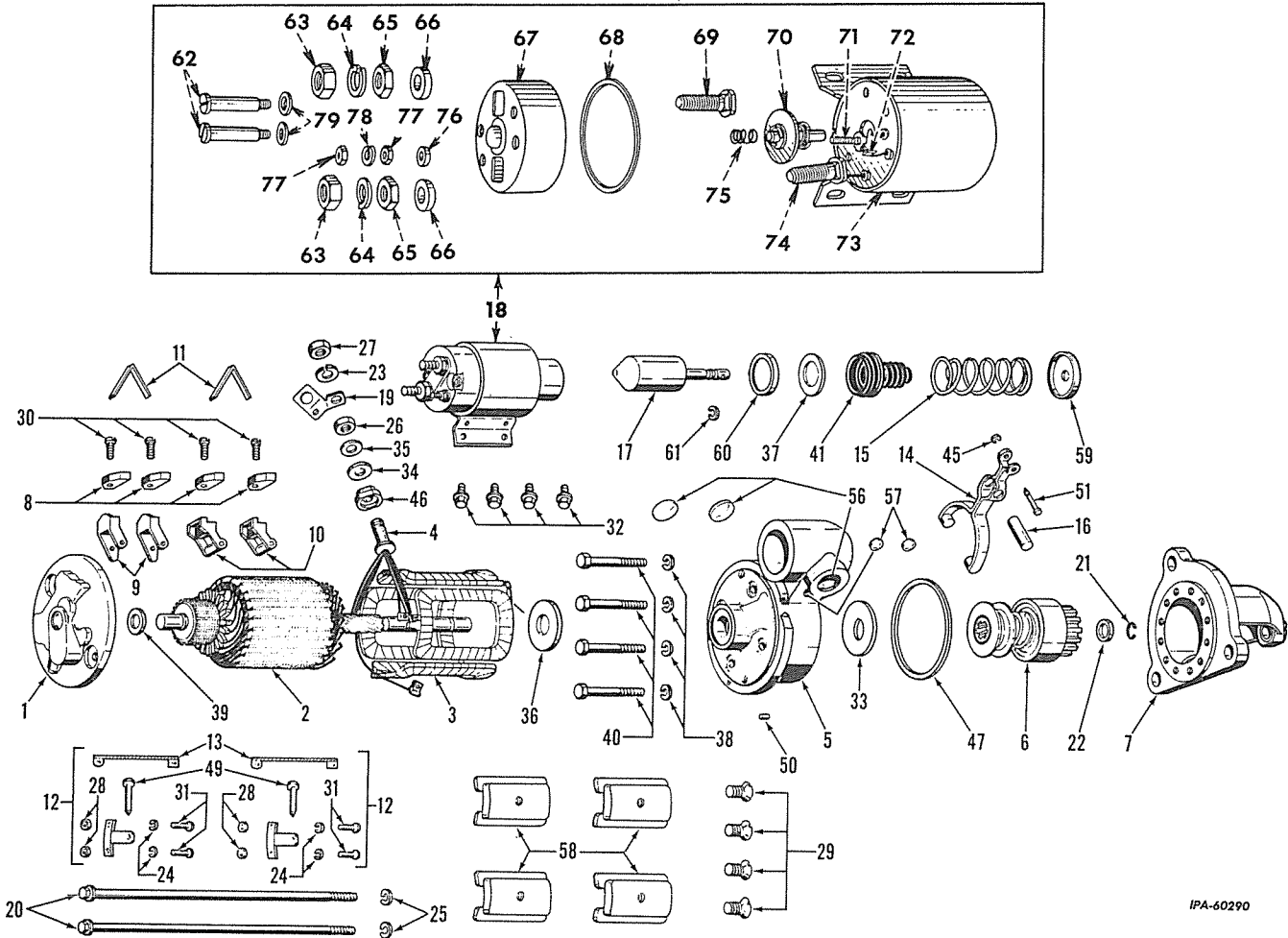
# ELECTRICAL SYSTEM



REF. DELCO-REMY NO. NUMBER	DESCRIPTION	REF. DELCO-REMY NO. NUMBER	DESCRIPTION
----------------------------	-------------	----------------------------	-------------

**CRANKING MOTOR**  
(Delco-Remy)

**CRANKING MOTOR - Continued**  
(Delco-Remy)



IPA-60290

		2	1946391	ARMATURE (long shaft) (Cranking Motor A)	
		2	1948999	ARMATURE (short shaft) (Cranking Motor B)	
		3	1946386	COIL w/STUD, 1945626, field (4 coils)	
		4	1945626	STUD, terminal	
		5	1942241	HOUSING ASSY, lever (Composed of -	
				1 BUSHING	1933999
				§1 HOUSING	
				1 PLUG	273913
				1 PLUG	1948694
				2 PLUG	9411375
				1 WICK	1936465
A	1113626			MOTOR ASSY, cranking (12 volt) (with long shaft armature) (order cranking MOTOR ASSY w/short shaft ARMATURE)	
				3/8 x 1-3/8" hex-hd cap SCREW (3)	
				3/8" lock WASHER (3)	
B	1113626			MOTOR ASSY, cranking (12 volt) (with short shaft armature) (will work for cranking MOTOR ASSY w/long shaft ARMATURE)	
				3/8 x 1-3/8" hex-hd cap SCREW (3)	
				3/8" lock WASHER (3)	
1	1946555			FRAME ASSY, commutator end (Cranking Motor A) BUSHING, 1872678, PLUG, 125947 and WICK, 1909654 (Composed of -	
				§1 FRAME	
1	1945617			FRAME ASSY, commutator end (Cranking Motor B) (Composed of -	
				1 BUSHING	1872678
				§1 FRAME	
				1 PLUG	125947
				1 PLUG	810819
				1 WICK	1909654
		6	1941157	DRIVE ASSY, motor (Composed of -	
				1 BUSHING	37535
				1 COLLAR	1904443
				1 LOCKWIRE	1904436
				1 SPRING	1932354

§ - Not Furnished Separately.

Always Give CRANKING MOTOR Number When Ordering Parts.





# ELECTRICAL SYSTEM



REF. NO.	DELCO-REMY NUMBER	DESCRIPTION	REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
CRANKING MOTOR - Continued (Delco-Remy)			CRANKING MOTOR - Continued (Delco-Remy)		
7	1946383	HOUSING w/BUSHING, 1943628, PLUG, 125947 and WICK, 1909654 drive end	37	1942259	WASHER, retainer spring
8	1906987	BRUSH (4)	38	120214	WASHER, lock (4)
9	1926617	HOLDER, brush ground (2)	39	833602	WASHER, commutator end space
10	1926618	HOLDER, brush insulated (2 for Cranking Motor A)	40	122077	BOLT (4)
10	1950546	HOLDER, brush insulated (2 for Cranking Motor B)	41	1942257	BOOT
11	1945620	SPRING, brush (2)	45	1938376	RING, snap (lever attaching pin)
12	1945923	PACKAGE, brush support (Consists of - 1 LEAD 1930694 2 NUT 120361 1 PIN 1938058 2 RIVET 1945630 2 SCREW 445639 2 WASHER 120217 )	46	1931783	BUSHING, terminal stud insulating  (Not Used)
13	1930694	LEAD, ground	47		
14	1942245	LEVER, shift	49	1938058	PIN, brush holder
15	1942260	SPRING, lever	50	809593	PIN, dowel (drive housing)
16	1942255	SHAFT, lever	51	1942253	PIN, lever attaching
17	1942250	PLUNGER	56	9411375	PLUG, expansion (lever housing 1-3/16" dia) (2)
18	1119833	SWITCH, solenoid (Cranking Motor A)	57	1948694	PLUG, expansion (lever housing 1/2" dia)
18	1119890	SWITCH, solenoid (Cranking Motor B)	58	1934478	SHOE, pole (4)
19	1946394	CONNECTOR, switch	59	1942282	RETAINER, spring (13/32" hole)
20	1883865	BOLT, thru (2)	60	1942256	RETAINER, spring (1-13/64" hole)
21	1928022	RING, pinion stop retaining	61	9415234	RING, snap (spring retainer)
22	1928021	COLLAR, pinion stop	62	132903	SCREW, cover attaching (2)
23	120381	WASHER, terminal stud lock (Cranking Motor A)	63	134566	NUT, terminal stud (1/4" thick) (2)
23	9421425	WASHER, terminal stud lock (Cranking Motor B)	64	453290	WASHER, terminal stud lock (2)
24	453435	WASHER, brush support attaching screw lock (2)	65	1904419	NUT, terminal stud (5/32" thick) (2)
25	120214	WASHER, thru bolt lock (2)	66	1927345	WASHER, terminal stud insulating (2 for Cranking Motor A)
26	805258	NUT, terminal stud (5/32" thick)	67	1931818	COVER (Cranking Motor A)
27	134566	NUT, terminal stud (1/4" thick)	67	1952122	COVER (Cranking Motor B)
28	120361	NUT, brush support attaching screw (2)	68	1930629	GASKET, cover (Cranking Motor A)
29	1843646	SCREW, pole shoe (4 for Cranking Motor A)	68	1957650	GASKET, cover (Cranking Motor B)
29	1913960	SCREW, pole shoe (4 for Cranking Motor B)	69	1927344	STUD, battery terminal (Cranking Motor A)
30	9413326	SCREW, brush attaching (4)	69	1950061	STUD, battery terminal (Cranking Motor B)
31	445639	SCREW, brush support attaching (2)	70	1912059	CONTACT and ROD, push (Cranking Motor A)
32	1916529	SCREW, switch attaching (4)	70	1952563	CONTACT and ROD, push (Cranking Motor B)
33	821453	WASHER, brake (between lever housing and motor drive housing)	71	1837533	STUD, terminal (Cranking Motor A)
34	1857268	WASHER, terminal stud insulating	71	1950069	STUD, terminal (Cranking Motor B)
35	805790	WASHER, terminal stud	72	1937381	CLIP, terminal
36	1946395	WASHER, space (between lever housing and armature)	73	1931813	CASE and COIL (Cranking Motor A)
			73	1956428	CASE and COIL (Cranking Motor B)
			74	1931814	STUD, motor terminal (Cranking Motor A)
			74	1956427	STUD, motor terminal (Cranking Motor B)
			75	1853342	SPRING, contact return
			76	1923935	WASHER, terminal insulating

Always Give CRANKING MOTOR NUMBER When Ordering Parts.



# ELECTRICAL SYSTEM



REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
----------	-------------------	-------------

CRANKING MOTOR - Continued  
(Delco-Remy)

77	453996	NUT, terminal stud (2)
78	1915334	WASHER, terminal stud lock
79	1923935	WASHER, cover attaching screw (2 for Cranking Motor A)
	37535	BUSHING, motor drive
	1872678	BUSHING, commutator end frame
	1933999	BUSHING, lever housing
	1943628	BUSHING, drive end
	1904443	COLLAR, motor drive
	1913534	INSULATION, field coil (2)
	125947	PLUG, pipe (commutator end frame)
	125947	PLUG, pipe (drive end)
	273913	PLUG, pipe (lever housing 15/64" dia)
	810819	PLUG, expansion (commutator end frame) (Cranking Motor B)
	1945630	RIVET, brush support (2)
	1932354	SPRING, motor drive
	1909654	WICK, commutator end
	1909654	WICK, drive end
	1936465	WICK, lever housing
	1904436	WIRE, lock
	1950064	WASHER, sealing, terminal stud (Cranking Motor B)
	1950071	WASHER, terminal stud

Always Give CRANKING MOTOR NUMBER When Ordering Parts.

MEMORANDA





# ELECTRICAL SYSTEM



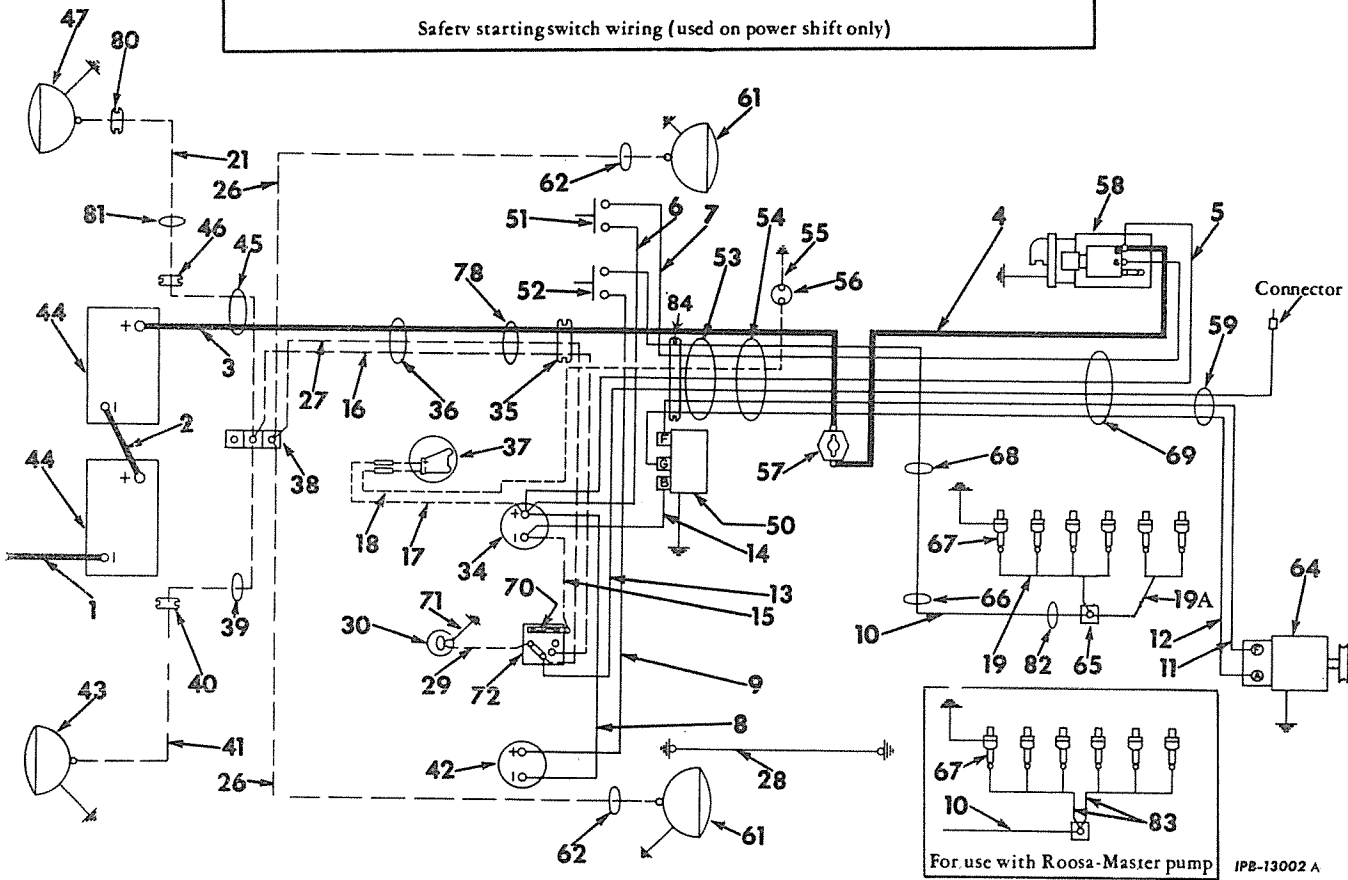
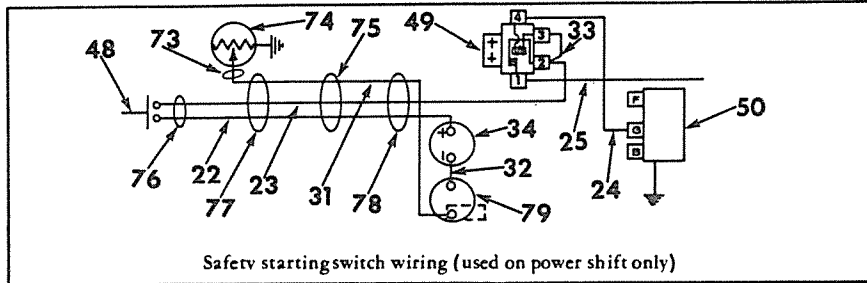
REF. PART NO.	PART NUMBER	DESCRIPTION	REF. PART NO.	PART NUMBER	DESCRIPTION
---------------	-------------	-------------	---------------	-------------	-------------

### ELECTRIC STARTING AND LIGHTING

L150G 6519 to 14843  
L150P 6501 to 14843

### ELECTRIC STARTING AND LIGHTING - Continued

L150G 6510 to 14843  
L150P 6501 to 14843



1	330 823 R91	CABLE, battery to ground 1/2" lock WASHER	8	278 209 R92	CABLE, minus (-) on glow plug meter to plus (+) on ammeter
2	356 062 R91	BOLT, battery cable	9	278 210 R91	CABLE, glow plug switch to plus (+) on glow plug meter
3	266 854 R91	CABLE, battery to battery	10	325 585 R91	CABLE, glow plug switch to glow plug junction block
4	264 200 R91	CABLE, battery to master switch	11		CABLE, "F" on generator to "F" on regulator (blue) (order HARNESS, 330 825 R92)
5	345 526 R91	CABLE, master switch to solenoid	12		CABLE, "A" on generator to "G" on regulator (yellow) (order HARNESS, 330 825 R92)
6		CABLE, "B" on solenoid to plus (+) on ammeter (red) (order HARNESS, 330 825 R92)			
7	359 374 R91	CABLE, plus (+) on ammeter to starting switch (used on manual shift loaders)			
		CABLE, starting switch to "S" on solenoid (gray) (used on manual shift loaders) (order HARNESS, 330 825 R92) (see NOTE 4)			

NOTE 4 - Reference Nos. 7 And 25 Are The Same Cable In HARNESS, 330 825 R92, But Are Connected At Different Points For Use On Manual Shift Loaders And Power Shift Loaders.

## ELECTRICAL SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - Continued			ELECTRIC STARTING AND LIGHTING - Continued		
L150G	6519 to 14843		L150G	6519 to 14843	
L150P	6501 to 14843		L150P	6501 to 14843	
13		CABLE (black) (not used) (end terminals to be taped securely to HARNESS, 330 825 R92)	33		CABLE, terminal No. 2 to terminal No. 3 (order HARNESS, 334 701 R91 or 703 375 C1)
14	359 437 R91	CABLE, minus (-) on ammeter to "B" on regulator	34		AMMETER (listed and illustrated with "Instruments and Instrument Panel")
15	30 436 DA	CABLE, minus (-) on ammeter to fuse on light switch (part of electric light ATTACHMENT, 334 787 R91)	35	142 350	GROMMET, main harness (on dash) (2) (2) L-150P 6501 to 14047 (2) L-150G 6519 to 14047 (1) L-150P 14049 to 14843 (1) L-150G 14049 to 14843
16	358 581 R91	CABLE, light switch to rear light junction block (part of electric lighting ATTACHMENT, 334 787 R91)	36	263 515 R91	CLIP, cable (on gear shift housing) (used on gear drive loaders)
17	271 065 R91	CABLE, plus (+) on ammeter to plus (+) on hourmeter	37		HOURLMETER (listed and illustrated with "Instruments and Instrument Panel" and "Electric Hourmeter")
18	305 366 R91	CABLE, minus (-) on hourmeter to engine oil pressure switch	38	300 559 R91	BLOCK, rear light junction (part of electric lighting ATTACHMENT, 334 787 R91) No. 10NF NUT (2) No. 10NF x 5/8" slt-rd-hd SCREW (2) No. 10 lock WASHER (2)
19	319 966 R91	HARNESS, glow plug (rear) (for units equipped with International R. D. fuel injection pump)	42		METER, glow plug (listed and illustrated with "Instruments and Instrument Panel")
19A	320 150 R91	HARNESS, glow plug (front) (for units equipped with International R. D. fuel injection pump)	44		BATTERY (6 volt) (dry charged) (Prestolite 2A9Y) (2)
21	358 563 R91	CABLE, rear light to junction block (part of electric lighting ATTACHMENT, 334 787 R91)	45	267 788 R91	CLIP, rubber covered cable (on LH seat side sheet)
22		CABLE, plus (+) on ammeter to starting switch (green) (used on power shift loaders) (order HARNESS, 334 701 R91 or 703 375 C1)	46	112 734	GROMMET, rear light (on LH seat side sheet) (part of electric lighting ATTACHMENT, 334 787 R91)
23		CABLE, starting switch to "B" on starting relay (gray) (used on power shift loaders) (order HARNESS, 334 701 R91 or 703 375 C1)	47	303 704 R92	REAR LIGHT ASSY, (Hobbs) (optional with LIGHT, 338 826 R91) (for components see list of parts under details of "Headlight and Rear Light") (part of electric lighting ATTACHMENT, 334 786 R91)
24	358 588 R91	CABLE, "KD" on relay to "G" on regulator (used on power shift loaders)	47	338 826 R91	REAR LIGHT ASSY, (guide lamp) (optional with LIGHT, 303 704 R92) (for components see list of parts under details of "Headlight and Rear Light") (part of electric lighting ATTACHMENT, 334 787 R91)
25		CABLE, "S" on starting relay to "S" on solenoid (gray) (used on power shift loaders) (order HARNESS, 330 825 R92) (see NOTE 4)	48	700 395 C91	SWITCH w/CAP, 702 268 C1, starting (used on power shift loaders) (together with BRACKET, 700 393 C1 will work for SWITCH 347 906 R91, 334 702 R91 and 606 289 C91)
26	316 647 R91	CABLE, junction block to headlights (part of electric lighting ATTACHMENT, 334 787 R91) (2)		700 393 C1	BRACKET, starting switch mounting (used only w/SWITCH 700 393 C91) (*)
27	277 460 R91	CABLE, light switch to junction block (for headlights) (part of electric lighting ATTACHMENT, 334 787 R91)		12 935 R1	BOLT (2)
28	274 304 R91	CABLE, instrument panel ground (oil pressure gauge to relay mounting bolt) 1/4 x 3/4" hex-hd cap SCREW (For instrument panel ground on dash relay mounting) 1/4" internal-external lock WASHER No. 10NF NUT No. 10 internal-external lock WASHER (2) (On gauge for panel grounding cable)		702 268 C1	CAP and FACE NUT (used only with SWITCH 700 395 C91)
29		CABLE, light switch to instrument panel light (part of instrument panel LIGHT)	49		RELAY, starting (used on power shift loaders) (Delco-Remy No. 1116963) 1/4" NUT (2) 1/4 x 1/2" hex-hd cap SCREW 1/4" internal-external tooth lock WASHER (2)
30		PACKAGE, panel light field service (part of electric lighting ATTACHMENT, 334 787 R91) (Listed and illustrated w/INSTRUMENT and INSTRUMENT PANEL)	50		REGULATOR ASSY, voltage (for components see list of parts under details of "Voltage Regulator")
31		CABLE, terminal with tag on clutch pressure gauge to clutch pressure sending unit (purple) (order HARNESS, 334 701 R91) (used on power shift loaders)	51		SWITCH, starting (used on manual shift loaders) (Delco-Remy No. 1996097)
32	358 584 R91	CABLE, negative terminal on ammeter to clutch pressure gauge (used on power shift loaders) (used w/GAUGE, 338 977 R92)	52		SWITCH, glow plug (Delco-Remy No. 1996097)
			53	103 213 H	CLIP, main harness (on RH bottom bolt of governor control ratchet)
					NOTE 4 - Reference Nos. 7 And 25 Are The Same Cable In HARNESS, 330 825 R92, But Are Connected At Different Points For Use On Manual Shift Loaders And Power Shift Loaders. * - Also listed and illustrated with "Gear Selector Hand Lever."



# ELECTRICAL SYSTEM



REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

### ELECTRIC STARTING AND LIGHTING - Continued

L150G	6519 to 14843	
L150P	6501 to 14843	
54	103 213 H	CLIP, main cable harness (on LH dash upper bolt) 5/16" NUT 5/16 x 1-1/4" hex-hd cap SCREW 5/16" lock WASHER
55	274 304 R91	CABLE, engine oil pressure switch to ground L-150P 6501 to 9809 L-150G 6519 to 9809
55	341 874 R91	CABLE, engine oil pressure switch to ground L150P 9810 to 14843 L150G 9810 to 14843
56	132 244 R91	SWITCH, engine oil pressure
57		SWITCH, master (for components see list of parts under details of "Master Switch")
58		MOTOR ASSY, cranking (for components see list of parts under details of "Cranking Motor")
	364 910 R1	COVER, terminal (on solenoid terminal)
59	264 196 R91	CLIP, rubber covered cable (on engine intake manifold bolt - fifth from front)
61		HEADLIGHT ASSY (for components see list of parts under details of "Headlight and Rear Light") (part of electric lighting ATTACHMENT, 334 787 R91) (2)
62	263 514 R91	CLIP, rubber covered cable (on headlight bracket rear inner bolt) (part of electric lighting ATTACHMENT, 334 787 R91) (2)
64		GENERATOR ASSY (for components see list of parts under details of "Generator")
65	42 915 D	BLOCK, glow plug junction No. 10 NUT No. 10 x 1/2" slit-rd-hd SCREW No. 10 lock WASHER
66	263 717 R91	CLIP, cable (on cylinder head rear upper bolt)
67		PLUG, glow (listed and illustrated with "Injection Nozzle, Precombustion Chamber and Glow Plug")
68	263 717 R91	CLIP, glow plug harness (on RH upper dash support bolt)
69	264 196 R91	CLIP, rubber covered cable (on intake manifold bolt - Third from rear)
70	432 644	FUSE, lighting (SFE-20 Amp) (part of electric lighting ATTACHMENT, 334 787 R91)
71		CABLE, instrument panel light to ground (part of instrument panel light)
72		SWITCH, light (for components see list of parts under details of "Lighting Switch") (part of electric lighting ATTACHMENT, 334 787 R91)
73	263 308 R91	CLIP, cable (on rear bolt of regulator bracket) (used on power shift loaders) L-150P 6501 to 14047

REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

### ELECTRIC STARTING AND LIGHTING - Continued

L150G	6519 to 14843	
L150P	6501 to 14843	
74		UNIT, clutch oil pressure sending (listed with "Instruments and Instrument Panel") (used on power shift loaders)
75	263 515 R91	CLIP, cable (on steering clutch inspection cover inner bolt) (used on power shift loaders)
76	263 513 R91	CLIP, cable (on lower front bolt of range selector valve) (used on power shift loaders)
77	362 120 R1	CLIP, cable (on lower front bolt of main regulator valve) (used on power shift loaders)
78	267 788 R91	CLIP, rubber covered cable (on engine clutch cover LH bolt)
79		GAUGE, clutch oil pressure (listed and illustrated with "Instruments and Instrument Panel") (used on power shift loaders)
80	117 962	GROMMET (on top of hydro-spring LH housing) (part of Electric Lighting Attachment, 334 787 R91)
81	264 186 R91	CLIP, cable (on inside of front plate of hydro-spring housing) (2)
82	263 717 R91	CLIP, cable (on forward mounting cap screw of fifth nozzle)
83	319 965 R91	HARNNESS, glow plug cable (2 for units equipped with Roosa-Master pump)
84	52 062 D	GROMMET (on upper portion of dash) L150P 14049 to 14843 L150G 14049 to 14843
	334 787 R91	ATTACHMENT, electric lighting (see NOTES 1 and 3) (Composed of - 1 BLOCK 300 559 R91 1 BRACKET 281 923 R1 2 BRACKET 330 713 R11 2 BRACKET 331 145 R91 1 CABLE 30 436 DA 1 CABLE 277 460 R91 2 CABLE 316 647 R91 1 CABLE 358 563 R91 1 CABLE 358 581 R91 8 CLIP 62 302 D 3 CLIP 263 514 R91 1 CLIP 362 120 R1 1 FUSE 432 644 1 GROMMET 112 734 1 GROMMET 117 962 1 KNOB (Delco-Remy No. 1882013) 3 LIGHT 303 704 R92 1 NUT (Delco-Remy No. 1882012) 1 PACKAGE 603 467 C91 1 SCREW (Delco-Remy No. 1864099) 1 SWITCH (Delco-Remy No. 1994050) 1 SWIVEL 303 706 R1 2 WASHER 600 658 C1 2 WASHER 446 229
	42 915 D	BLOCK, front junction L-150G 6519 to 9293 L-150P 6501 to 9293 No. 10 NF NUT No. 10NF x 1/2" slit-rd-hd SCREW No. 10 lock WASHER

NOTE 1 - Factory Application - Order On Machine Order Form.  
NOTE 3 - Field Application - Order Through Regular Service Parts Channels.  
(\* - Also Listed and Illustrated With "Gear Selector Hand Lever."



# ELECTRICAL SYSTEM



REF. PART NO.	PART NUMBER	DESCRIPTION
---------------	-------------	-------------

ELECTRIC STARTING AND LIGHTING - Continued

L150G 6519 to 14843  
L150P 6501 to 14843

62 302 D	CLIP, cable (junction block to headlight) (8)
88 398	CLIP, dash harness (mount on engine side of dash with lower LH regulator bolt) 1/4NF NUT 1/4" lock WASHER
263 514 R91	CLIP, rubber covered cable (on rear light bracket bolt) (part of electric lighting ATTACHMENT, 334 787 R91)
362 120 R11	CLIP, rubber covered cable (on seat side sheet rear upper bolt) (part of electric lighting ATTACHMENT, 334 787 R91)
117 962	GROMMET, LH rear light cable
118 833	GROMMET, starter safety switch, pressure switch and glow plug cable (on dash)
330 825 R92	HARNESS, main cable (consists of Ref. Nos. 5, 7, 11, 12, 13 and 25) (see NOTE 4)
334 701 R91	HARNESS, safety starting (consists of Ref. Nos. 22, 23, 31 and 33) (used on power shift loaders) (used w/GAUGE 338 977 R92)
703 375 C1	HARNESS, starting safety switch (consists of Nos. 22, 23 and 33) (used on power shift tractors) (used w/GAUGE, 703 232 C1)

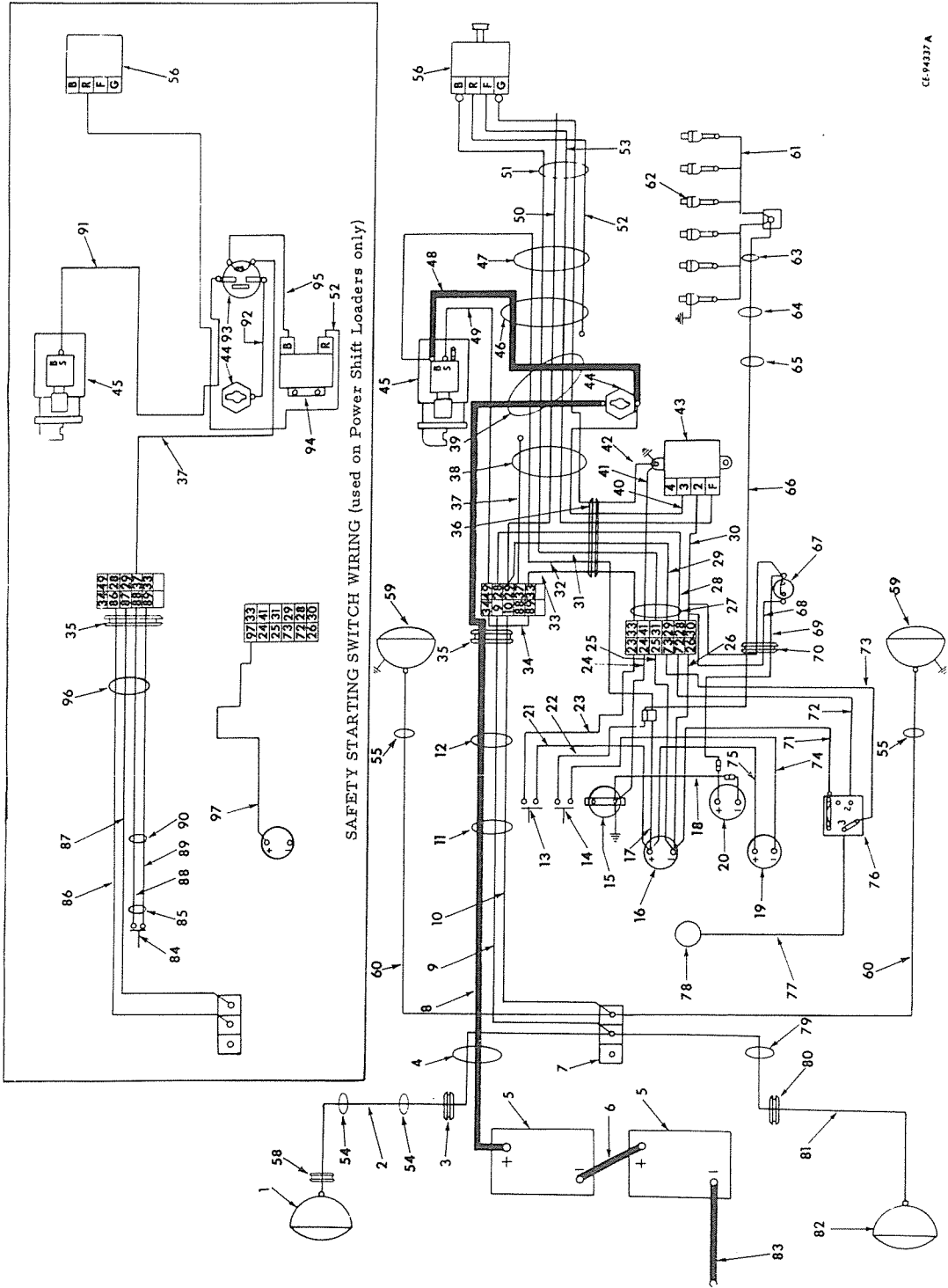
NOTE 4 - Reference Nos. 7 And 25 Are The Same Cable In HARNESS, 330 825 R92, But Are Connected At Different Points For Use On Manual Shift Loaders And Power Shift Loaders.

# ELECTRICAL SYSTEM



ELECTRICAL STARTING AND LIGHTING  
L150G 14844 Up  
L150P 14844 Up

ELECTRICAL STARTING AND LIGHTING - Continued  
L150G 14844 Up  
L150P 14844 Up



CE-9437A





## ELECTRICAL SYSTEM



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING			ELECTRIC STARTING AND LIGHTING		
L150G	14844	Up	L150G	14844	Up
L150P	14844	Up	L150P	14844	Up
1		REAR LIGHT ASSY (for components see list of parts under details of "Headlight, Rear Light and Auxiliary Rear Light") (part of Electric Lighting ATTACHMENT 334 787 R91 and 624 385 C91)	24		CABLE, engine oil pressure gauge to dash connector (ground) (Order HARNESS 624 226 C1)
2	358 563 R91	CABLE, rear light to junction block (part of Electric Lighting ATTACHMENT 334 787 R91)	25		CABLE, negative terminal on ammeter to dash connector (brown) (Order HARNESS 624 226 C1)
2	624 389 C1	CABLE, rear junction block to rear light (part of Electric Lighting ATTACHMENT 624 385 C91)	26		CABLE, negative terminal on ammeter to dash connector (yellow) (Order HARNESS 624 226 C1)
3	112 734	GROMMET, rear light (part of Electric Lighting ATTACHMENT 334 787 R91)	27	88 398 R1	CLIP, on RH top of dash (on RH relay mounting bolt hole) 1/4 x 1/2" hex-hd cap SCREW 1/4" lock WASHER 1/4" NUT
4	267 788 R91	CLIP, rubber covered cable (on LH seat side sheet)	28		CABLE, dash connector to safety switch connector (rear lamp) (dark blue) (Order HARNESS 624 225 C1)
5		BATTERY (6 volt) (Prestolite 3A9Y) (2)	29		CABLE, dash connector to safety switch connector (front lamps) (dark green) (Order HARNESS 624 225 C1)
6	266 854 R91	CABLE, battery to battery	30		CABLE, number two terminal on regulator to engine oil pressure switch (light blue) (Order HARNESS 624 225 C1)
7	300 559 R91	BLOCK, rear light junction	31		CABLE, dash connector to "B" terminal on alternator (brown) (Order HARNESS 624 225 C1)
8	264 200 R91	CABLE, battery to master switch	32		CABLE, main harness line connector to "B" terminal on solenoid (red) (Order HARNESS 624 225 C1)
9		CABLE, safety switch connector to rear lamp junction block (Dark Blue) (Order HARNESS 624 228 C1) (Used on manual shift loaders)	33		CABLE, dash connector to safety switch connector (white) (Order HARNESS 624 225 C1)
10		CABLE, safety switch connector to front lamp junction block (Dark Green) (Order HARNESS 624 228 C1) (Used on manual shift loaders)	34		CABLE, safety switch terminals 32 to 44 (Order HARNESS 624 228 C1) (used on manual shift loaders)
11	267 787 R91	CLIP, cable (on gear shift housing)	35	142 350	GROMMET, harness (on lower dash)
12	267 788 R91	CLIP, rubber covered cable (on engine clutch cover LH bolt)	36	52 062 D	GROMMET, (on upper portion of dash LH)
13		SWITCH, starting (Delco-Remy No. 1996097) (Used on manual shift loaders)	37		CABLE, magnetic switch to safety switch connector (white) (Order HARNESS 624 225 C1) (used on power shift loaders)
14		SWITCH, glow plug (Delco-Remy No. 1996097)	37		CABLE, (not used on manual shift loaders and should be taped securely to harness)
15		GAUGE, engine oil pressure (listed and illustrated with "Instruments and Instrument Panel")	38	88 398 R1	CLIP, dash harness (mount on engine side of dash with lower LH regulator bolt)
16		AMMETER (listed and illustrated with "Instruments and Instrument Panel")	39	604 375 C1	CLIP, cable harness (mount on LH bottom of dash) 1/4" NUT 1/4 x 1-1/4" hex-hd cap SCREW 1/4" lock WASHER 1/4 x 1-1/2" x 18 ga. WASHER
17		CABLE, positive terminal on ammeter to instrument panel harness line connector (Order HARNESS 624 266 C1)	40		CABLE, number three terminal on regulator to master switch (orange) (Order HARNESS 624 225 C1)
18	271 065 R91	CABLE, negative terminal on hour-meter to engine oil pressure gauge	41		CABLE, dash connector to mounting bolt of regulator (Order HARNESS 624 225 C1)
19		METER, glow plug (listed and illustrated with "Instruments and Instrument Panel")			(* - Reference Nos. 23 and 97 are the same cable in HARNESS 624 226 C1 but are connected at different points for use on manual shift and power shift loaders.
20		HOURLMETER, electric (for components see list of parts under details of "Electric Hourmeter")			
21	359 374 R91	CABLE, positive terminal on ammeter to starting switch (used on manual shift loaders)			
22		CABLE, glow plug switch to line connector (Order HARNESS 624 226 C1)			
23		CABLE, starting switch to dash connector (white) (Order HARNESS 624 226 C1) (used on manual shift loaders) (*)			



## ELECTRICAL SYSTEM



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - Continued			ELECTRIC STARTING AND LIGHTING - Continued		
L150G	14844	Up	L150G	14844	Up
L150P	14844	Up	L150P	14844	Up
42		CABLE, "G" terminal on alternator to mounting bolt of REGULATOR (Order HARNESS 624 225 C1)	62		PLUG, glow (listed and illustrated with "Injector Nozzle, Precombustion Chamber and Glow Plug")
43		REGULATOR ASSY., (for components see list of parts under details of "Voltage Regulator Assy.")	63	263 717 R91	CLIP, cable (on forward mounting cap screw of fifth nozzle)
44		SWITCH, master (for components see list of parts under details of "Master Switch")	64	263 717 R91	CLIP, cable (on cylinder head RH side rear upper bolt)
45		MOTOR ASSY., cranking (for components see list of parts under details of "Cranking Motor")	65	263 717 R91	CLIP, cable (on RH upper bolt of dash support)
364 910 R1		COVER, terminal (on solenoid terminals)	66	624 232 C1	CABLE, line connector to glow plug junction block
46		CLIP, (welded on LH bottom of dash)	67	132 244 R91	SWITCH, engine oil pressure
47	264 196 R91	CLIP, rubber covered cable (on intake manifold bolt third from rear)	68		CABLE, dash connector to engine oil pressure switch (yellow) (Order HARNESS 624 225 C1)
48	345 526 R91	CABLE, master switch to solenoid	69	271 066 R92	CABLE, positive terminal on hour meter to engine oil pressure switch
49		CABLE, "S" terminal on solenoid to safety switch connector (white) (Order HARNESS 624 225 C1)	70	118 833	GROMMET (on upper portion of dash RH)
50		CABLE, (dark green) (Not used on loaders and should be taped securely back to harness.)	71	30 436 DA	CABLE, negative terminal on ammeter to fuse terminal on light switch
51	264 196 R91	CLIP, rubber covered cable (on engine intake manifold bolt) (fifth from front)	72		CABLE, number two terminal on light switch to dash connector (rear lamps) (dark blue) (Order HARNESS 624 226 C1)
52		CABLE, "R" terminal on relay to "R" terminal on alternator (Order HARNESS 624 225 C1) (used on power shift loaders)	73		CABLE, light switch to dash connector (front lamps) (dark green) (Order HARNESS 624 226 C1)
52		CABLE, (not used on manual shift loaders and should be taped securely back to harness)	74	278 210 R91	CABLE, negative terminal on glow plug meter to glow plug switch
53		CABLE, "F" terminal on regulator to "F" terminal on alternator (light green) (Order HARNESS 624 225 C1)	75	278 209 R92	CABLE, positive terminal on ammeter to positive terminal on glow plug meter
54	264 186 R91	CLIP, rubber covered cable (on inside of front plate of hydro spring housing) (2)	76		SWITCH, light (for components see list of parts under details of "Lighting Switch")
55	263 514 R91	CLIP, rubber covered cable (on front lamps bracket rear inner bolt) (part of "Electric Lighting Attachment" 334 787 R91 and 624 385 C91) (2)	77		CABLE, light switch to instrument panel light (Order PACKAGE 603 467 C91)
56		ALTERNATOR ASSY., (for components see list of parts under details of "Alternator")	78	603 467 C91	PACKAGE, panel light field service (less bulb) (consists of Light, Grommet 273 406 R1 and Washer 273 405 R1)
58	117 962	GROMMET, LH rear lamp cable (on hydro spring housing) (Part of Electric Lighting ATTACHMENT 334 787 R91 and 624 385 C91)	79	362 120 R11	CLIP, auxiliary rear light cable (on RH seat side sheet) 3/8"NF NUT
59		HEADLIGHT ASSY., (for components see list of part details of "Headlight, Rear Light and Auxiliary Rear Light") (part of Electric Lighting ATTACHMENT 334 787 R91 and 624 385 C91) (2)	80	112 734	GROMMET, auxiliary rear light cable (on RH seat side sheet)
60	316 647 R91	CABLE, rear junction block to front lamps (part of Electric Lighting ATTACHMENT 334 787 R91 and 624 385 C91) (2)			(* Reference Nos. 23 and 97 are the same cable in HARNESS 624 226 C1 but are connected at different points for use on manual shift and power shift loaders.
61	319 965 R91	HARNESS, glow plug cable (2)			



# ELECTRICAL SYSTEM



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - Continued			ELECTRIC STARTING AND LIGHTING - Continued		
L150G	14844	Up	L150G	14844	Up
L150P	14844	Up	L150P	14844	Up
81	358 563 R91	CABLE, auxiliary rear light to junction block	97		CABLE, positive terminal on ammeter to dash connector (white) (Order HARNESS 624 226 C1) (used on power shift loaders) (*)
82		REAR LIGHT ASSY., auxiliary (for components see list of parts under details of "Headlights, Rear Light and Auxiliary Rear Light")	334 787 R91		ATTACHMENT, electric lighting (see NOTE 3) L-150G 14844 to 15522 L-150P 14844 to 15522
83	330 823 R91	CABLE, battery ground strap (negative terminal on battery)			(Composed of -
	356 062 R91	BOLT, battery terminal			1 BLOCK 300 559 R91
		1/2" lock WASHER			1 BRACKET 281 923 R1
84	700 395 C91	SWITCH, w/CAP 702 268 C1 and PAMPHLET 1 085 291 R2, starting (used on power shift Loaders)			2 BRACKET 331 145 R91
	702 268 C1	CAP and FACE NUT			2 BRACKET 330 713 R11
85	263 513 R91	CLIP, starting switch harness (on lower front bolt of range selector bracket) (used on power shift loaders)			1 CABLE 30 436 DA
86		CABLE, starting switch and lighting harness safety switch connector to rear lamp junction block (dark blue) (Order HARNESS 624 227 C1) (used on power shift loaders)			1 CABLE 277 460 R1
87		CABLE, starting switch and lighting harness safety switch connector to front lamp junction block (dark green) (Order HARNESS 624 227 C1) (used on power shift loaders)			2 CABLE 316 647 R91
88		CABLE, starting switch and lighting harness safety switch connector to safety starting switch (white) (Order HARNESS 624 227 C1) (used on power shift loaders)			1 CABLE 358 563 R91
89		CABLE, starting switch and lighting harness safety switch connector to safety starting switch (white) (Order HARNESS 624 227 C1) (used on power shift loaders)			1 CABLE 358 581 R91
90	362 120 R1	CLIP, starting switch harness (on lower front bolt of main frame regulator valve) (used on power shift loaders)			8 CLIP 62 302 D
91	624 230 C1	CABLE, "S" terminal on solenoid to magnetic switch (used on power shift loaders)			1 CLIP 362 120 R1
92	624 229 C1	CABLE, master switch to magnetic switch (used on power shift loaders)			3 CLIP 263 514 R91
93		SWITCH, magnetic (used on power shift loaders) (Delco-Remy No. 1114238)			1 DRAWING IZG 8744
		1/4 x 1/2" hex-hd cap SCREW (2)			1 DRAWING IZG 7053
		1/2" lock WASHER (2)			1 FUSE 432 644
		1/4" NUT (2)			1 GROMMET 112 734
94		RELAY, starting (used on power shift loaders) (Delco-Remy No. 1115885)			1 GROMMET 117 962
		1/4 x 5/8" hex-hd cap SCREW (2)			1 KNOB (Delco-Remy No. 1882012)
		1/4" NUT (2)			3 LIGHT 303 704 R92
		1/4" Int. tooth lock WASHER (2)			1 NUT (Delco-Remy No. 1882012)
		1/4" lock WASHER (2)			1 PACKAGE 603 467 C91
95	624 231 C1	CABLE, "B" terminal on relay to magnetic switch (used on power shift loaders)			1 SCREW (Delco-Remy No. 1864099)
96	263 515 R91	CLIP, cable (on steering clutch inspection cover) (used on power shift loaders)			1 SWITCH (Delco-Remy No. 1994050)
					1 SWIVEL 303 706 R1
					2 WASHER 600 658 C1
					2 WASHER 446 229 )
			624 385 C91		ATTACHMENT, electric lighting (see NOTES 1 and 3) L-150G 15523 up L-150P 15523 up
					(Composed of -
					1 BRACKET 281 923 R1
					2 BRACKET 330 713 R11
					1 CABLE 624 389 C1
					2 CABLE 316 647 R91
					3 CLIP 263 514 R91
					1 GROMMET 117 962
					1 GUARD 281 268 R2
					2 GUARD 330 714 R11
					3 LIGHT 303 704 R92
					1 SWIVEL 303 706 R1
			62 302 D		CLIP, cable (junction block to head light) (8)
			88 398 R1		CLIP, (on RH mounting bolt of relay) (used on power shift tractors)
			103 213 H		CLIP HARNESS (on Drott safety shield) 5/16 x 1-1/4" hex-hd cap SCREW 5/16" lock WASHER 5/16" NUT
			112 745		GROMMET, harness (on dash) (used on power shift loaders)
			624 225 C1		HARNESS, main cable (consists of Ref. 28 thru 33, 37, 40 thru 42, 49, 50, 52, 53 and 68 #12 NUT #12 lock WASHER #10 NUT #10 lock WASHER
			624 226 C1		HARNESS, instrument cable (consists of Ref. Nos. 17, 22 thru 26, 72 and 73)
			624 228 C1		HARNESS, lighting cable (consists of Ref. Nos. 9, 10 and 34) (used on manual shift loaders)
			624 227 C1		HARNESS, starting switch and lighting (consists of Ref. Nos. 86, 87, 88 and 89) (used on power shift loaders)
			NOTE 1 - Factory Application - Order On Machine Order Form.		
			NOTE 3 - Field Application - Order Through Regular Service Parts Channels.		
			(*) - Reference Nos. 23 and 97 are the same cable in HARNESS 624 226 C1 but are connected at different points for use on manual shift and power shift loaders.		



# ELECTRICAL SYSTEM

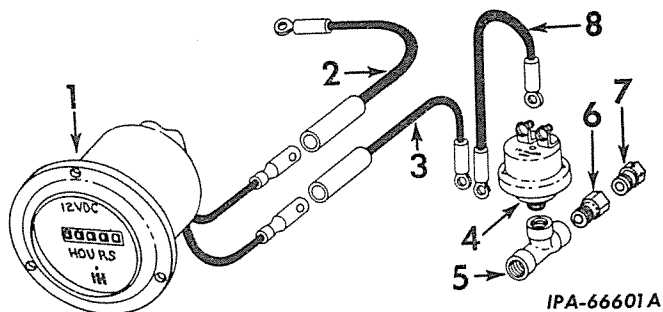


REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

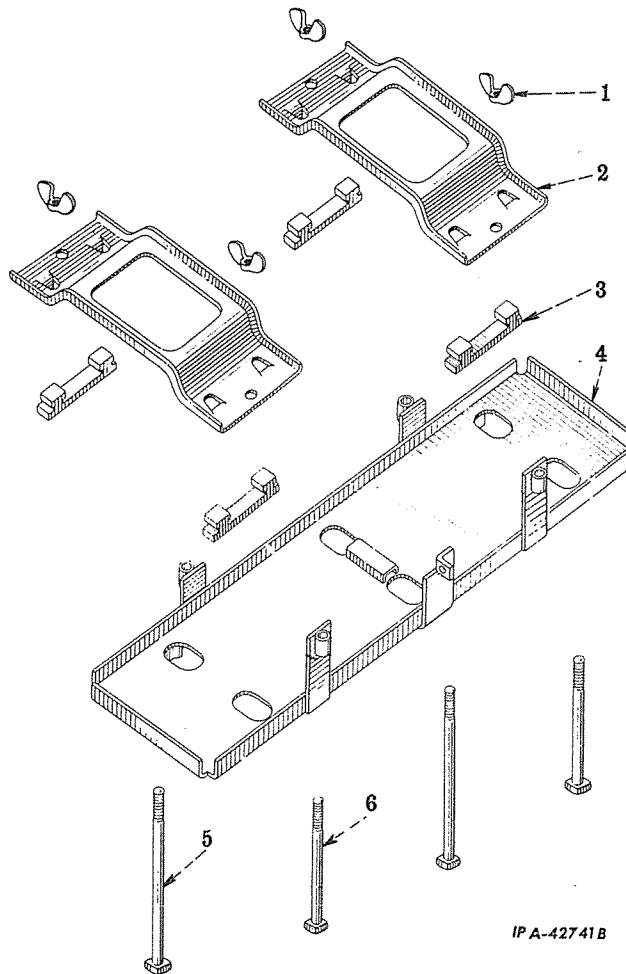
REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

**ELECTRIC HOURMETER**  
(Hobbs)

**BATTERY SUPPORT**



IPA-66601A



IPA-42741B

Parts without letters after the description indicates the part is used for both Hourmeters. Letters "A" and "B" are used to identify separate Hourmeters.

A		Service parts for Hourmeter, electric (regular)	L-150G 9810 up L-150P 9810 up
B	330 868 R91	ATTACHMENT, electric hourmeter (see NOTE 3)	L-150G 6519 to 9809 L-150P 6501 to 9809
1	621 657 C91	HOURMETER No. 6 NUT (3 for Hourmeter B) No. 6 x 3/8" slt-rd-hd SCREW (3 for Hourmeter B) No. 6 x 1/2" slt-rd-hd SCREW (3 for Hourmeter A) No. 6 lock WASHER (3)	
2	271 065 R91	CABLE, ammeter to hourmeter	
3	305 366 R91	CABLE, hourmeter to pressure switch	
4	132 244 R91	SWITCH, pressure (optional with 277 748 R91)	
4	277 748 R91	SWITCH, pressure (optional with 132 244 R91)	
5	444 221	TEE, pressure switch (Hourmeter B)	
5	444 253	TEE, pressure switch (Hourmeter A)	
6	29 901 D	BODY, connector (Hourmeter B)	
7	369 987 R1	NUT, nylon (Hourmeter B)	
8	274 304 R91	CABLE, pressure switch to ground (Hourmeter B)	
8	341 874 R91	CABLE, pressure switch to ground (Hourmeter A)	
	263 514 R91	CLIP, rubber covered cable	
	264 674 R91	DAMPER, vibration (Hourmeter A) No. 6 x 1/2" SCREW (3) No. 6 lock WASHER (3)	
	444 163	ELBOW, hourmeter pressure switch (Hourmeter A)	
1	019 023 R1	PAMPHLET, installation instructions (Hourmeter B)	

1		NUT, wing 3/8" battery hold-down bolt (4) 1/16 x 5/8" cotter PIN (4) 3/8" lock WASHER (4)
2	280 703 R1	CLAMP, battery hold-down (2)
3	280 704 R1	BUMPER, battery hold-down (4)
4	276 979 R92	SUPPORT, battery 1/2 x 7/8" hex-hd cap SCREW (6) 17/32 x 1-1/16" x 13 ga. WASHER (6)
5	267 917 R1	BOLT, battery hold-down (front) (long) (2)
6	276 976 R1	BOLT, battery hold-down (rear) (short) (2)
	275 241 R1	SPACER, battery support (2)

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



# MEMORANDA



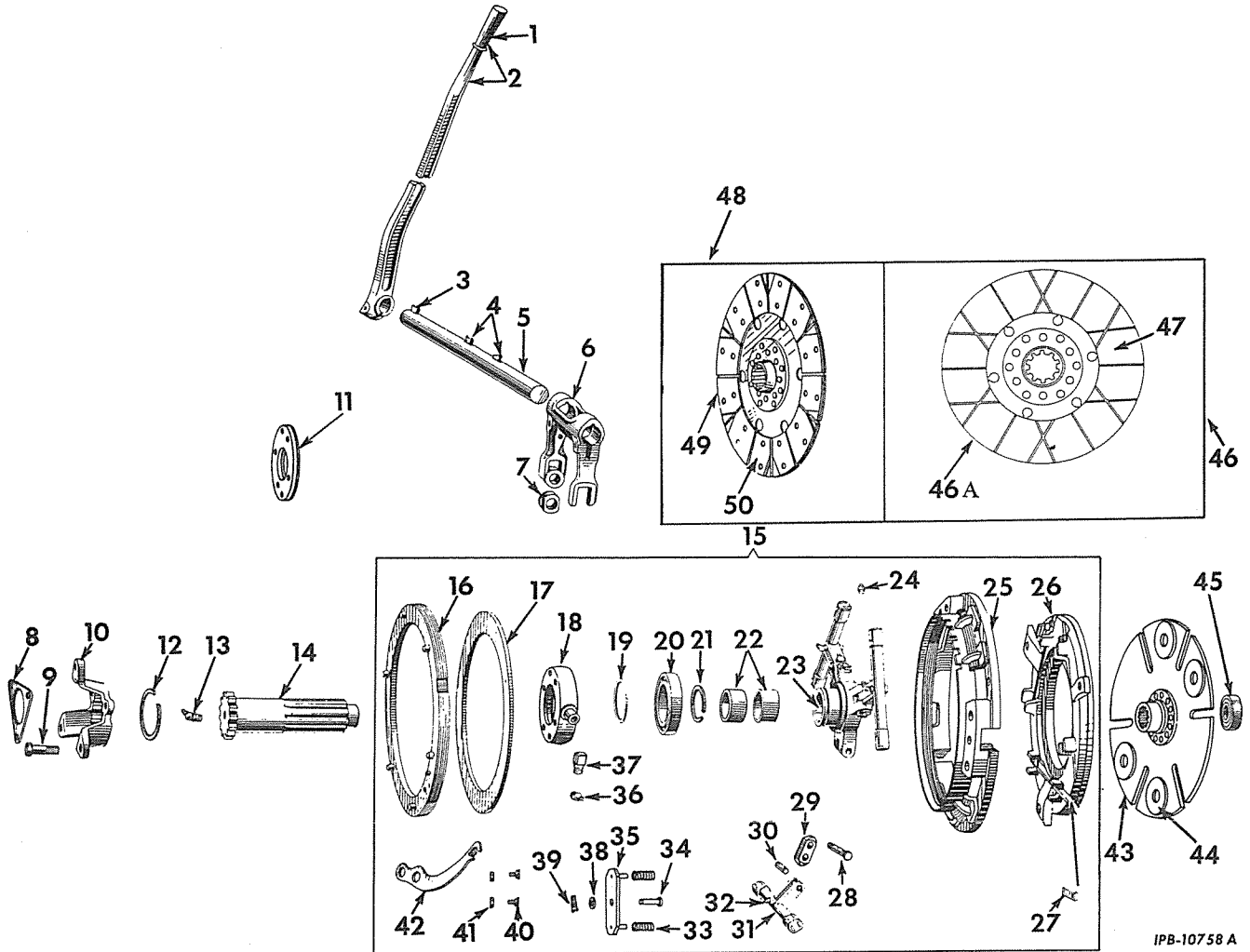
# CLUTCH



REF. PART NO.	PART NUMBER	DESCRIPTION	REF. PART NO.	PART NUMBER	DESCRIPTION
---------------	-------------	-------------	---------------	-------------	-------------

ENGINE OVER-CENTER CLUTCH 13"  
(Hand Operated) (Rockford Drilling Machine)  
(Used on Manual Shift Loaders)

ENGINE OVER-CENTER CLUTCH 13" - Continued  
(Hand Operated) (Rockford Drilling Machine)  
(Used on Manual Shift Loaders)



IPB-10758 A

1	619 405 C1	HANDLE, engine clutch hand lever	8	259 688 R1 181 343 103 320	PLATE, engine clutch shaft end 5/16NF x 1/2" hex-hd cap SCREW (3) 5/16" lock WASHER (3)
2	275 227 R11 103 028 181 436 103 723	LEVER w/HANDLE, 619 405 C1, engine clutch hand 1/2NF NUT 1/2NF x 2-1/2" hex-hd cap SCREW 1/2" lock WASHER	9	54 969 D 271 305 103 322	BOLT, engine clutch coupling dowel (3) 7/16NF NUT (3) 7/16" lock WASHER (3)
3	103 909	KEY, 1/4 x 1-1/8" (Woodruff) (engine clutch hand lever)	10	266 457 R11	COUPLING, engine clutch
4	103 462	KEY, 3/16 x 1" (Woodruff) (engine clutch release fork) (2)	11	317 861 R1	FACING, brake clutch bearing (optional with 317 862 R1) (CL-11080-89)
5	53 494 D	SHAFT, engine clutch release	11	317 862 R1	FACING, brake clutch bearing (optional with 317 861 R1) (CL-11080-81)
6	8 247 DB 181 374 103 321	FORK, engine clutch release 3/8NF x 1-1/2" hex-hd cap SCREW (2) 3/8" lock WASHER (2)	12	266 458 R1	RING, engine clutch coupling snap
7	51 227 DB	BUSHING, engine clutch release pin (2)			



# TORQUE CONVERTER



REF. NO.	PART NUMBER	DESCRIPTION
<b>TORQUE CONVERTER, OUTPUT SHAFT AND RELATED PARTS - Continued</b>		
(Borg and Beck) (Used on Power Shift Loaders)		
19	604 844 C1	"O" RING, 1-7/8 x 2-1/32 x 5/64" (for use with CONVERTER ASSY, 606 333 C91) L-150P 9906 up
19A	606 295 C1	RING, converter hub rectangular sealing (Chicago Rawhide No. 711534) (for use with CONVERTER ASSY, 606 333 C91) L-150P 9906 up
20	327 717 R2	SHAFT, converter output
21	444 813	PLUG, 1/8" automotive hex-hd pipe (6361) (2)
22	338 550 R92	CONVERTER ASSY, torque (13660) L-150P 6501 to 9905
22	606 333 C91	CONVERTER ASSY, torque (13723) L-150P 9906 up
	331 793 R2	DOWEL, main frame (2)
	327 923 R1	GASKET, pump mounting housing
	338 078 R91	PACKAGE, converter driving strap field service (consists of three STRAP and one BOLT, 297 330 R1) (4)
	604 846 C91	PACKAGE, torque converter seal field improvement L-150P 6501 to 9905
		(Consists of -
	1	BEARING ST 572
	1	BEARING 65 490 D
	1	COVER 327 957 R2
	2	DOWEL 331 793 R2
	1	GASKET 158 512 R1
	1	GASKET 327 923 R1
	1	GEAR 604 845 C1
	1	HOUSING 327 963 R2
	1	HUB 606 334 C91
	1	"O" RING 604 844 C1
	1	"O" RING 264 681 R1
	1	RING 158 503 R1
	1	RING 327 420 R1
	1	RING 606 295 C1
	1	SEAL 606 293 C91
	1	PAMPHLET 1 085 046 R1 )

# MAIN FRAME

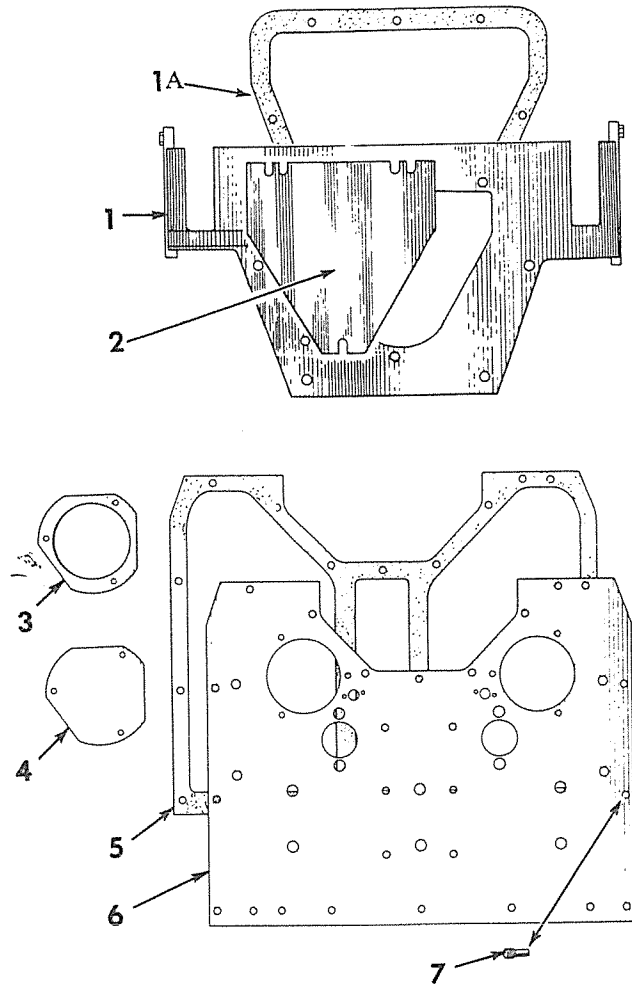


REF. PART NO. NUMBER	DESCRIPTION
----------------------	-------------

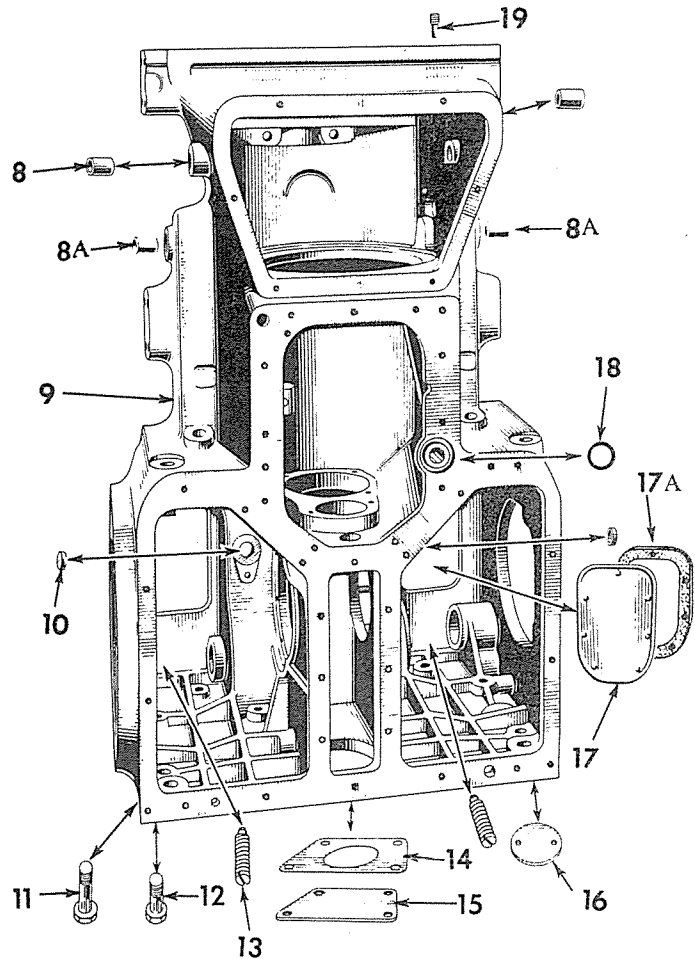
REF. PART NO. NUMBER	DESCRIPTION
----------------------	-------------

MAIN FRAME AND COVERS

MAIN FRAME AND COVERS - Continued



IPA-66632 E



1	275 200 R31	COVER, converter and engine clutch 3/8" NUT (2) 3/8 x 3/4" hex-hd cap SCREW (4) 3/8 x 1" hex-hd cap SCREW (2) 3/8 x 1-3/4" hex-hd cap SCREW (2) 3/8" lock WASHER (8) 13/32 x 13/16" x 16 ga. WASHER (2)
1A	331 724 R1	GASKET, converter and engine clutch cover
2	331 496 R1	COVER, converter inspection 3/8 x 5/8" hex-hd cap SCREW 3/8" lock WASHER
3	53 714 D	GASKET, steering clutch inspection cover (2)
4	53 559 D	COVER, steering clutch inspection (2) 5/16NF x 1/2" hex-hd cap SCREW (6) 5/16" lock WASHER (6)
5	604 358 C2	GASKET, main frame cover

6	280 706 R22	COVER, main frame L-150P 6501 to 9812 L-150G 6519 to 9812 7/16 x 1-1/8" hex-hd cap SCREW (16) 15/32 x 59/64" x 16 ga. WASHER (16)
6	604 359 C1	COVER, main frame L-150P 9813 up L-150G 9813 up
	604 360 C1	BOLT, main frame cover (20)
7	18 585 DA	PIN, main frame cover dowel (3)
8	45 120 D	BUSHING, engine clutch release shaft (2) (*)
8A	46 332 D	BUSHING, steering brake operating shaft (4) (*)
8A	331 716 R1	BUSHING, steering brake operating shaft (4) (†)

(\*) - Used On Manual Shift Loaders.  
(†) - Used On Power Shift Loaders.



## CLUTCH



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ENGINE OVER-CENTER CLUTCH 13" - Continued (Hand Operated) (Rockford Drilling Machine) (Used on Manual Shift Loaders)			ENGINE OVER-CENTER CLUTCH 13" - Continued (Hand Operated) (Rockford Drilling Machine) (Used on Manual Shift Loaders)		
13	109 460	FITTING, engine clutch pilot bearing lubrication	39	267 689 R1	"X" WASHER, return spring retaining pin (3)
14	266 459 R1	SHAFT, engine clutch	40	61 115 D	SCREW, adjusting ring lock (2)
15	317 859 R93 179 883 103 323	CLUTCH ASSY, less driven member 1/2 x 1-1/4" hex-hd cap SCREW (6) 1/2" lock WASHER (6)	41		NUT, 3/8NF (2)
16	55 371 DA	RING, adjusting	42	264 679 R1	LOCK, adjusting ring
17	31 238 DA	PLATE, adjusting ring	43	702 537 C91	MEMBER w/eight FACING and four RIVET, 338 360 R1, cerametallic driven (will work for MEMBER 324 999 C91)
18	317 860 R91	CARRIER w/FACING and six RIVET, 96 189 R1, throw out bearing	44	702 550 C1	PACKAGE, driven member cerametallic facing field service (consists of two cerametallic FACING and RIVET, 338 360 R1) (6)
19	29 780 D	RING, snap		338 360 R1	RIVET, special (4)
20	972 386 R91	BEARING, throw out ball	45	ST 211	BEARING, clutch pilot ball
21	304 780 R1	RING, snap	46	604 644 C91	ATTACHMENT, asbestos-metallic clutch member (see NOTES 1 and 3) (consists of semi-metallic driven MEMBER ASSY, 277 675 R91)
22	26 039 DA	BUSHING, release sleeve (2)	46A	277 675 R91	MEMBER w/two FACING and twenty-six RIVET, 50 413 D, semi-metallic driven
23	304 778 R92	SLEEVE w/two BUSHING, 26 039 DA and FITTING, 126 121, release	47	277 676 R91	PACKAGE, semi-metallic clutch facing field service (consists of two semi-metallic FACING and twenty-six RIVET, 50 413 D)
24	126 121	FITTING, release sleeve lubrication		50 413 D	RIVET, clutch facing (26)
25	304 776 R1	PLATE, back	48	331 204 R91	ATTACHMENT, bi-metallic driven member (see NOTES 1 and 3)
26	304 777 R1	PLATE, pressure	49	313 531 R92	MEMBER w/two FACING and twenty-six RIVET, 250 263 R1, bi-metallic driven
27	267 665 R91 261 106 R1	BLOCK, cam (set of 6) SCREW, hex-hd cap (6) 1/4" external-tooth lock WASHER (6)	50	313 530 R92	PACKAGE, bi-metallic driven member field service (consists of two bi-metallic FACING and twenty-six RIVET, 250 263 R1) (2)
28	324 561 R91	PACKAGE, connecting link pin field service (consists of PIN, WASHER and "X" WASHER) (3)		250 263 R1	RIVET, clutch facing (26)
29	304 782 R1	LINK, connecting (3)		324 549 R91	PACKAGE, clutch brake facing field service (consists of FACING and eight RIVET) (for CARRIER, 317 860 R91) (optional with 324 560 R91)
30	304 784 R2	PIN, connecting link (short) (3)		324 560 R91	PACKAGE, clutch brake facing field service (consists of FACING and eight RIVET) (for CARRIER, 317 860 R91) (optional with 324 549 R91)
31	702 390 C1	CAMSHAFT w/three FITTING, 109 460 (set of 3)		324 998 R91	PACKAGE, driven member cerametallic facing field service (consists of two cerametallic facing and rivet, 338 360 R1) (will work for MEMBER 324 998 R1)
32	109 460	FITTING, camshaft lubrication (3)			
33	304 785 R2	SPRING, return (6)			
34	304 786 R1	PIN, return spring retaining (3)			
35	304 787 R91	STOP, return spring (3)			
36	273 347	FITTING, engine clutch release bearing lubrication			
37	191 759	ADAPTER, engine clutch release bearing lubrication fitting angle elbow (optional with 145 017 H)			
37	145 017 H	ADAPTER, engine clutch release bearing lubrication fitting angle elbow (optional with 191 759)			
38	615 029 R1	WASHER, return spring retaining pin (3)			

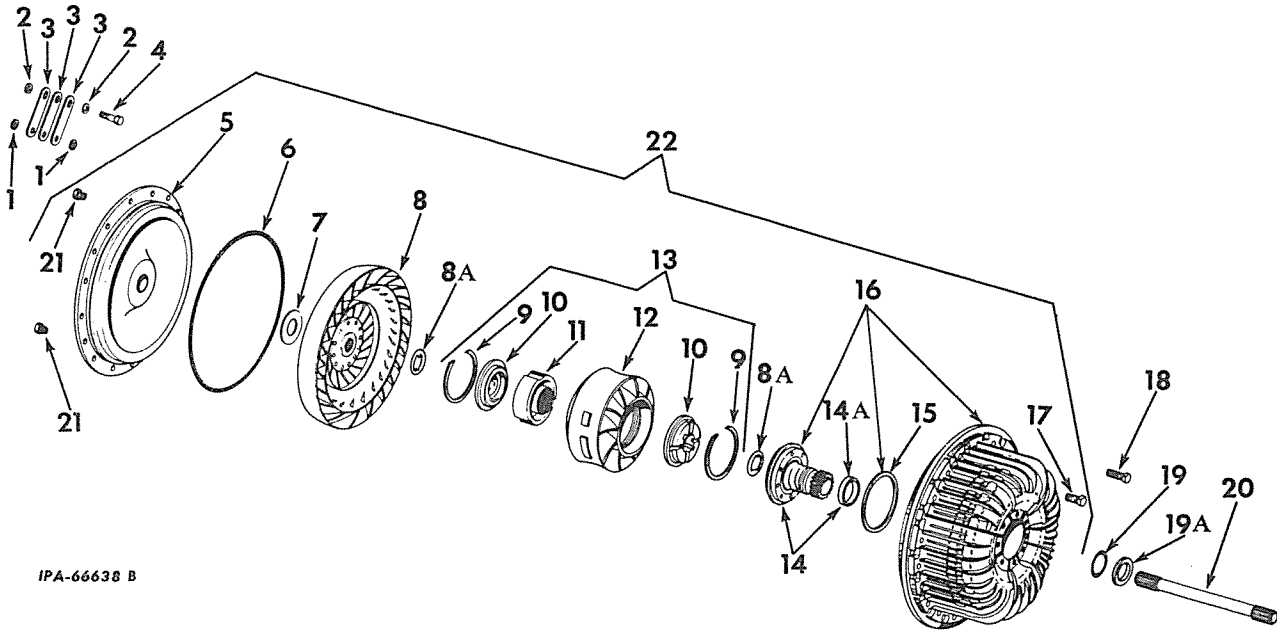
NOTE 1 - Factory Application - Order On Machine Order Form.  
NOTE 3 - Field Application - Order Through Regular Service Parts Channels.



# TORQUE CONVERTER



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TORQUE CONVERTER, OUTPUT SHAFT AND RELATED PARTS (Borg and Beck) (Used on Power Shift Loaders)			TORQUE CONVERTER, OUTPUT SHAFT AND RELATED PARTS - Continued (Borg and Beck) (Used on Power Shift Loaders)		



IPA-66638 B

1	331 649 R1	SPACER, converter (8)	14	338 646 R1	HUB, impeller (for use with CONVERTER ASSY, 338 550 R92) L-150P 6501 to 9905
2	331 650 R1	SPACER, flywheel (8)	14	606 334 C91	HUB w/SLEEVE, 606 294 C1, impeller (for use with CONVERTER ASSY, 606 333 C91) L-150P 9906 up
3		STRAP, drive (order PACKAGE, 338 078 R91) (12)		179 739	1/4 x 5/8" hex-hd cap SCREW (8)
4	297 330 R1	BOLT, 3/8 x 1" (4)		103 319	1/4" lock WASHER (8)
5	338 645 R91	COVER w/two PLUG, 444 813, converter	14A	606 294 C1	SLEEVE, pump drive housing wear (Chicago Rawhide No. 075917) (for use with CONVERTER ASSY, 606 333 C91) L-150P 9906 up
6	158 512 R1	GASKET, converter cover	15	158 503 R1	RING, seal (6049)
7	158 511 R1	WASHER, turbine forward thrust	16	338 642 R91	IMPELLER ASSY (for use with CONVERTER ASSY, 338 550 R92) L-150P 6501 to 9905
8	338 643 R92	TURBINE, converter	16	606 391 C91	IMPELLER w/HUB ASSY, 606 334 C91, SEAL, 158 503 R1, eight SCREW and eight WASHER (for use with CONVERTER ASSY, 606 333 C91) L-150P 9906 up
8A	603 803 C1	WASHER, thrust (2) L-150P 9126 up	17	158 513 R1	BOLT, cover (18) 5/16" lock NUT (6319) (18)
9	158 510 R1	RING, snap (2)	18	327 447 R1	BOLT, cover (to attach drive strap to cover) (4)
10	158 506 R1	WASHER, stator thrust (order WASHER, 603 804 C1 together with WASHER, 603 803 C1) (2) L-150P 6501 to 9125	19	341 808 R1	"O" RING, 1-15/16 x 2-1/8 x 3/32" (for use with CONVERTER ASSY, 338 550 R92) L-150P 6501 to 9905
10	603 804 C1	WASHER, stator thrust (2) L-150P 9126 up			
11	338 648 R1	HUB, stator			
12	119 739 H1	STATOR			
13	338 644 R92	STATOR and HUB ASSY (together with WASHER, 603 803 C1 will work for 338 644 R91) L-150P 9126 up			



# MAIN FRAME



REF. NO.	PART NUMBER	DESCRIPTION
MAIN FRAME AND COVER - Continued		
9	331 380 R11	FRAME ASSY (†) L-150P 6501 to 8149 (Order the following parts - 1 BAFFLE, sump tube 338 150 R1 1 CLAMP, sump tube 308 882 R1 1 FRAME, main 604 361 C11 1 "O" RING, 1-1/4 x 1-1/2 x 1/8" 252 483 R1 2 SCREW, 3/8 x 1-1/4" hex-hd cap 1 SCREW, 3/8 x 1" hex-hd cap 2 SPACER, sump tube baffle 253 729 R1 1 TUBE, sump 338 151 R11 3 WASHER, 3/8" lock 3 WASHER, 13/32 x 13/16" x 16 ga. )
9	604 361 C11	FRAME ASSY, main (†) L-150P 8150 up (Composed of - §1 FRAME 4 BUSHING 331 716 R1 1 PLUG 144 016 1 PLUG 254 817 R92 2 PLUG 41 600 D )
9	604 357 C11	FRAME ASSY, main (*) (Composed of - 6 BOLT 272 527 R1 2 BUSHING 45 120 D 4 BUSHING 46 332 D 1 CAP 6 612 D 2 CORK 104 941 7 CORK 106 613 4 CORK 117 928 2 COVER 275 066 R1 §1 FRAME 2 GASKET 282 818 R2 2 PIN 266 079 R1 2 PLUG 144 016 1 PLUG 271 647 R1 1 PLUG 254 817 R92 2 PLUG 41 600 D 4 STUD 57 382 D 2 STUD 57 383 D ) 104 941 CORK, No. 5, 11/16" dia x 7/8" long (2) 106 613 CORK, No. 9, 15/16" dia x 1-1/8" long (7) 117 928 CORK, No. 14, 1-1/4" dia x 1-1/4" long (4) 3/4 x 7/8" hex-hd cap SCREW
10	41 600 D	PLUG, steering brake pivot shaft cup (2)
11		SCREW, 3/4 x 2" hex-hd cap (4)
12		SCREW, 3/4 x 3" hex-hd cap (2)
13	46 809 D	SCREW, track frame pivot shaft set (see NOTE) (2) 5/8" jam NUT (2)
14	48 073 D	GASKET, power take-off cover
15	48 072 D	COVER, power take-off 5/8 x 1" hex-hd cap SCREW (4)
16	275 066 R1	COVER, steering clutch lubrication port (2) 1/2 x 1" hex-hd cap SCREW (4) 1/2" lock WASHER (4)
17	48 044 D	COVER, steering brake inspection (2) 3/8 x 1" hex-hd cap SCREW (14) 3/8" lock WASHER (14)
17A	331 722 R1	GASKET, steering brake inspection cover (2)
18	461 173 R1	"O" RING, 1-5/8 x 2 x 3/16" (also listed with "Gear Shifter Housing, Lever and Related Parts") (†)

REF. NO.	PART NUMBER	DESCRIPTION
MAIN FRAME AND COVERS - Continued		
19	266 079 R1	PIN, rear engine support dowel (2) (*)
	334 600 R1	ANCHOR, drawbar
	250 868 R1	DOWEL, main frame cover L-150P 9813 up L-150G 9813 up
	282 818 R2	GASKET, steering clutch lubrication port cover (2)
	331 497 R1	GASKET, converter inspection cover
	607 532 C91	PACKAGE, main frame cover field improvement L-150P 6501 to 9812 L-150G 6519 to 9812 (Consists of - 2 BEARING w/BUSHING 604 366 C11 1 COVER 604 359 C1 1 PIN 18 585 DA 1 DOWEL 250 868 R1 1 GASKET 604 358 C1 1 PAMPHLET 1 085 050 R2 4 SCREW 13 253 R1 4 SCREW 20 050 R1 6 SCREW 321 964 R1 20 SCREW 604 360 C1 4 SCREW 871 570 R1 )
	13 044 R1	PIN, 3/16 x 3/4" cotter
	144 011	PLUG, pipe
	144 016	PLUG, pipe
	271 647 R1	PLUG, 1" drain (3)
	254 817 R92	PLUG w/PIN, 13 044 R1, 1/2" engine clutch compartment drain
NOTE - Also Listed Under Heading "Track Frame Pivot Shaft". § - Not Furnished Separately. (*) - Used On Manual Shift Loaders. (†) - Used On Power Shift Loaders.		

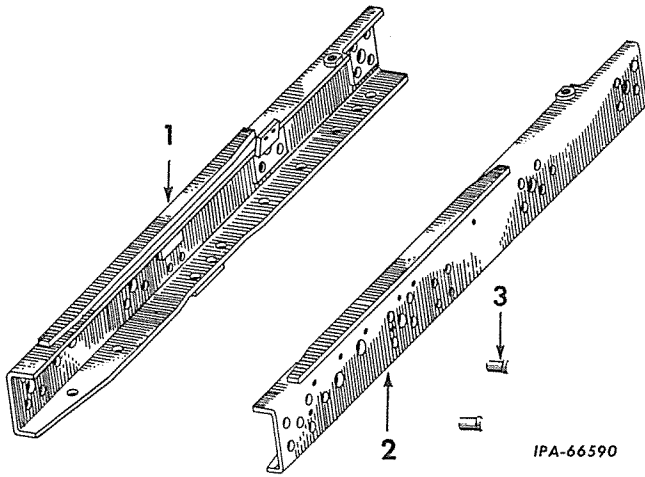


# MAIN FRAME



REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

## MAIN FRAME CHANNELS



- |   |             |   |
|---|-------------|---|
| 1 | 330 836 R91 | CHANNEL, LH main frame side (*)   |
| 1 | 330 838 R91 | CHANNEL, LH main frame side (†)<br>3/4 x 1-3/4" hex-hd cap SCREW (4)<br>7/8 x 2" hex-hd cap SCREW (4) |
| 2 | 330 837 R91 | CHANNEL, RH main frame side (*)   |
| 2 | 330 839 R91 | CHANNEL, RH main frame side (†)<br>3/4 x 1-3/4" hex-hd cap SCREW (4)<br>7/8 x 2" hex-hd cap SCREW (4) |
| 3 | 48 074 D    | DOWEL, main frame side channel (4)  |

(\*) - Used On Manual Shift Loaders.  
 (†) - Used On Power Shift Loaders.



# MEMORANDA





-80-  
**TRANSMISSION**  
(Used on Manual Shift Loaders)

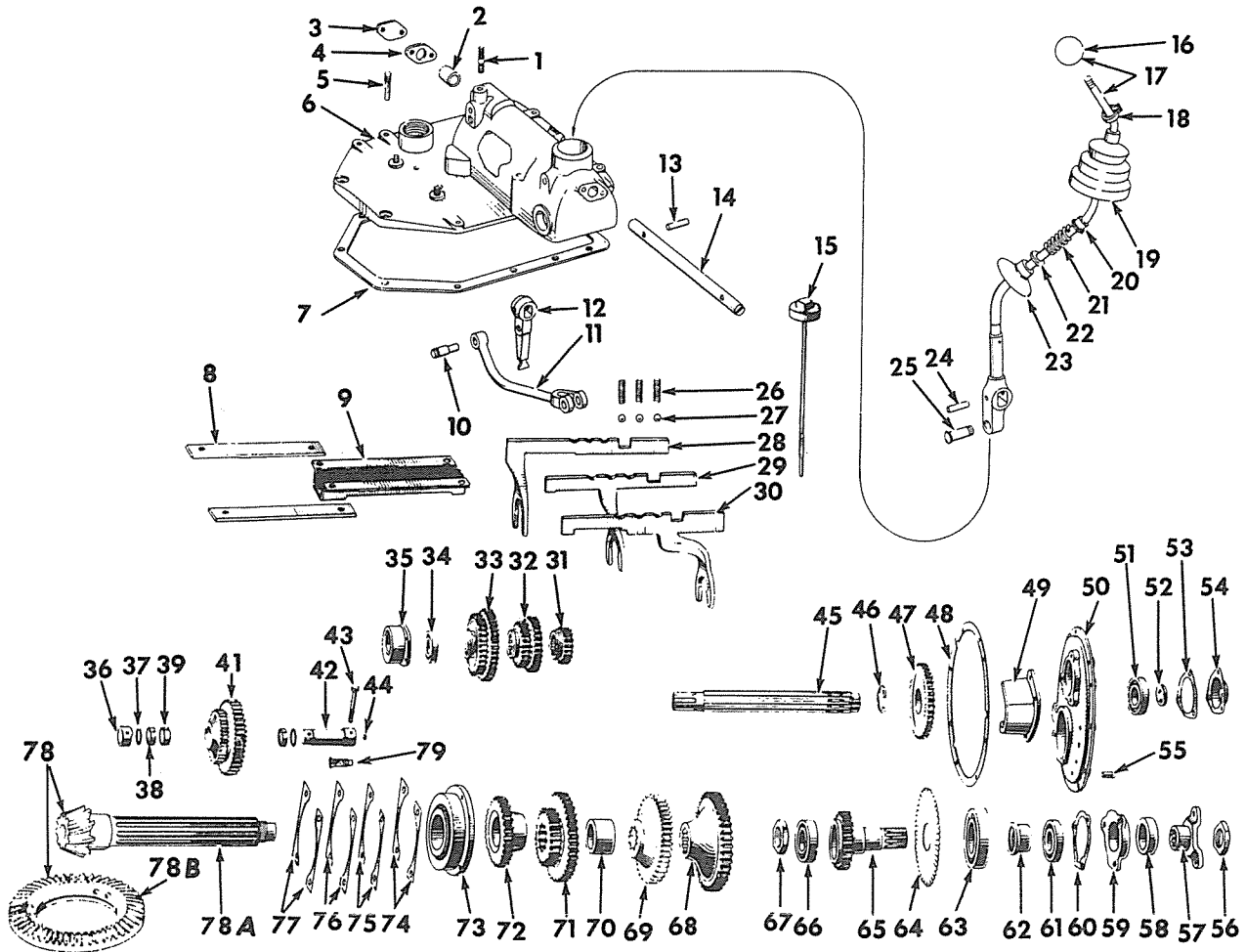


REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

TRANSMISSION GEAR SHIFTER MECHANISM

TRANSMISSION GEAR SHIFTER MECHANISM - Continued



IPA-66928 B

1	41 633 D	STUD, platform	7	604 363 C1	GASKET, transmission gear shifter housing
2	276 156 R1	BUSHING, shifter lever shaft	8	62 779 D	LOCK, gear shifter rail guide support bolt (2)
3	275 226 R1	COVER, transmission gear shift lever shaft end (2)	9	69 466 DA 179 837	GUIDE, gear shifter rail 3/8 x 3/4" hex-hd cap SCREW (4)
	179 835	3/8 x 5/8" hex-hd cap SCREW (4)	10	275 748 R2 148 152	PIN, transmission gear shift lever lower SPRING, 1/2" retainer
	103 321	3/8" lock WASHER (4)	11	275 745 R11	LINK w/CLEVIS, transmission gear shift selector
4	275 225 R1	GASKET, transmission gear shift lever shaft end cover (2)	12	275 747 R12	LEVER w/PIN, 275 748 R2, transmission gear shift
5	18 585 DA	DOWEL, transmission gear shifter housing main frame (3)	13	277 037 R1	PIN, transmission gear shift hand lever upper
6	604 362 C11	HOUSING ASSY, transmission gear shifter (Composed of -	14	275 744 R2	SHAFT, transmission gear shift lever upper
		2 ANCHOR 50 826 D	15	53 683 DA	ROD w/PLUG and SHIELD, transmission oil level
		1 BUSHING 276 156 R1			
		§1 HOUSING			
		1 STUD 41 633 D )			
	20 049 R1	SCREW, 7/16 x 1-3/8" hex-hd cap (4)			
	20 050 R1	SCREW, 7/16 x 1-5/8" hex-hd cap (5)			
	20 051 R1	SCREW, 7/16 x 3-1/8" hex-hd cap (2)			



-81-  
**TRANSMISSION**  
 (Used on Manual Shift Loaders)



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION GEAR SHIFTER MECHANISM - Continued			TRANSMISSION (Four Speeds Forward, Two Reverse) (Manual Shift)		
16	264 055 R2	BALL, transmission gear shift hand lever	31	258 626 R3	GEAR, transmission first and low reverse speed sliding (19 T)
17	276 099 R92	LEVER w/BALL, 264 055 R2, transmission gear shift hand	32	260 153 R1	GEAR, transmission second and high reverse sliding (24 and 28 T)
18	64 604 D	CLAMP, transmission gear shift hand lever boot	33	271 861 R1	GEAR, sliding transmission third and fourth speed (33 and 38 T) L-150G 6519 to 14000
19	275 742 R1	BOOT, transmission gear shift hand lever	33	616 476 C1	GEAR, sliding transmission third and fourth speed L-150G 14001 up
20	11 373 D	STOP, transmission gear shift hand lever swivel shield spring upper 3/16 x 1-1/4" rd-hd RIVET (iron)	34	272 478 R91	BEARING, transmission spline shaft rear
21	29 547 D	SPRING, transmission gear shift hand lever swivel shield	35	6 477 DB	CAGE, transmission spline shaft rear bearing 3/8 x 7/8" hex-hd cap SCREW (2) 3/8" lock WASHER (2)
22	17 700 D	STOP, transmission gear shift hand lever swivel shield spring lower	36	279 433 R1	SLEEVE, reverse idler gear shaft
23	275 743 R1	SHIELD, transmission gear shift hand lever swivel	37	279 427 R1	RING, high and low reverse idler gear snap (2)
24	277 037 R1	PIN, transmission gear shift hand lever upper	38	313 946 R91	BEARING, high and low reverse idler gear (2)
25	275 746 R1 148 152	PIN, transmission gear shift hand lever lower SPRING, 1/2" retainer	39	311 277 R1	SPACER, high and low reverse idler gear
26	64 163 D	SPRING, gear shifter rail poppet (3)	41	279 431 R2	GEAR, high and low reverse idler (24 and 33 T)
27	D 2 616	POPPET, gear shifter rail (grade 3, 1/2" steel ball) (optional with 13 722 D) (3)	42	279 435 R11	SHAFT w/PLUG, 45 361 D, transmission reverse idler gear
27	13 722 D	POPPET, gear shifter rail (grade 4, 1/2" steel ball) (optional with D 2 616) (3)	43	4 457 D	BOLT, transmission reverse idler gear shaft 3/8NF slt-hex NUT 3/32 x 3/4" cotter PIN
28	53 480 DA	RAIL and FORK, third and fourth gear shifter	44	45 361 D	PLUG, transmission reverse idler gear shaft
29	53 481 DA	RAIL and FORK, second and high reverse gear shifter	45	258 625 R2	SHAFT, transmission spline
30	69 464 DB	RAIL and FORK, first speed and low reverse gear shifter	46	53 632 D	COLLAR, transmission driven gear split half (2)
			47	307 155 R1	GEAR, transmission driven (42 T)
			48	46 918 D	GASKET, transmission end cover
			49	8 779 D	POCKET, transmission end cover oil 5/16 x 7/8" hex-hd cap SCREW (3) 5/16" lock WASHER (3)
			50	6 480 DC 274 863 R1	COVER, transmission end 7/16 x 1-1/8" hex-hd cap SCREW w/nylon pellet insert (8)
			51	ST 238	BEARING, transmission spline shaft front
			52	45 357 D	WASHER, transmission spline shaft bearing retainer front 7/16NF x 1" hex-hd cap SCREW (2) 7/16" external-tooth lock WASHER (2)
			53	46 913 D	GASKET, transmission spline shaft front bearing retainer
			54	46 912 D	RETAINER, transmission spline shaft bearing front 3/8 x 3/4" hex-hd cap SCREW (3) 3/8" lock WASHER (3)
			55	45 132 D	PIN, transmission end cover dowel
			56	255 630 R1	NUT, transmission drive coupling retaining
			57	52 208 D	COUPLING, transmission drive
			58	310 508 R91	OIL SEAL, transmission driving shaft



# TRANSMISSION

(Used on Manual Shift Loaders)



REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

TRANSMISSION - Continued  
(Four Speeds Forward, Two Reverse) (Manual Shift)

TRANSMISSION - Continued  
(Four Speeds Forward, Two Reverse) (Manual Shift)

59	6 479 DB	RETAINER, transmission driving shaft bearing front 3/8 x 1" hex-hd cap SCREW (3) 3/8" lock WASHER (3)
60	46 916 D	GASKET, transmission driving shaft bearing retainer front
61	ST 238	BEARING, transmission driving shaft front
62	6 478 D	SPACER, transmission driving shaft bearing
63	272 480 R91	BEARING, transmission driving shaft rear
64	262 752 R1	SLINGER, transmission oil
65	307 082 R1	SHAFT, transmission driving (23 T)
66	307 819 R91	BEARING, bevel pinion shaft front
67	279 733 R1	NUT, bevel pinion and shaft lock
68	52 215 DB	GEAR, transmission first speed (46 T)
69	260 151 R1	GEAR, transmission high and low reverse speed (41 T)
70	46 859 D	SPACER, bevel pinion shaft
71	52 213 DA	GEAR, transmission second and fourth speed (27 and 41 T)
72	616 478 C1	GEAR, transmission third speed L-150G 14001 up
72	271 860 R2	GEAR, transmission third speed (32 T) L-150G 6519 to 14000
73	271 863 R91	BEARING, bevel pinion and shaft rear 1/2 x 1-5/8" hex-hd cap SCREW (4) 1/2" lock WASHER (4)
74	53 635 D	SHIM, bevel pinion and shaft rear bearing cage (heavy) (X)
75	53 636 D	SHIM, bevel pinion and shaft rear bearing cage (medium) (X)
76	53 637 D	SHIM, bevel pinion and shaft rear bearing cage (light) (X)
77	250 307 R1	SHIM, bevel pinion and shaft rear bearing cage (extra light) (X)
78	279 339 R91	PINION and SHAFT, BEVEL w/DRIVE. BEVEL GEAR, 279 338 R1 (Matched Pair) (see NOTE)
78A		PINION and SHAFT BEVEL (9T) (order PINION and SHAFT BEVEL w/DRIVE BEVEL GEAR 279 339 R91) (see NOTE)
78B	279 338 R1	GEAR, DRIVE BEVEL (38T) (see NOTE)
79	279 434 R92	STRAINER, oil reverse idler
	50 826 D	ANCHOR, steering clutch release lever return spring (2)
	311 279 R1	CLIP, high and low reverse idler gear thrust washer stop
2	750 008 R1	DECALCOMANIA, shifting diagram
	250 868 R1	DOWEL, gear shifter housing
	607 533 C91	PACKAGE, gear shifter housing field improvement L-150G 6519 to 9768 (Composed of - 3 DOWEL 18 585 DA 1 DOWEL 250 868 R1 1 GASKET 604 363 C1 1 HOUSING 604 362 C11 1 PAMPHLET (installation instructions) 1 085 050 R1 )

172	529	PLUG, 5/8" expansion (4)
172	574	PLUG, 1-1/2" expansion (3)
311	278 R1	WASHER, high and low reverse idler gear thrust

NOTE - Also Listed And Illustrated Under Heading STEERING SYSTEM - "Drive Bevel Gear".  
(X) - As Required.

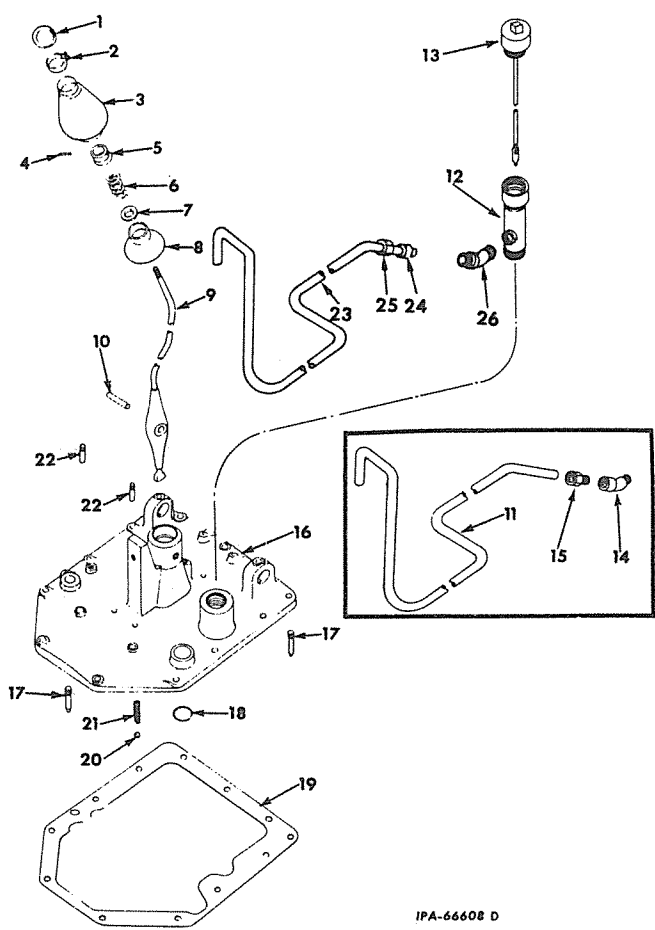


# TRANSMISSION

(Used on Power Shift Loaders)



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
GEAR SHIFT HOUSING, LEVER AND RELATED PARTS			GEAR SHIFT HOUSING, LEVER AND RELATED PARTS - Continued		
			11	341 949 R1	TUBE, transmission vent L-150P 8089 to 12166
			12	327 932 R91	PIPE, transmission filler (order PACKAGE, 341 950 R91) L-150P 6501 to 8088
			12	327 932 R92	PIPE, transmission filler L-150P 8089 up
			13	327 940 R11	ROD, transmission oil level
			14	51 434 D	ELBOW, transmission vent tube L-150P 8089 to 12166
			15	19 986 R1	NUT, transmission vent tube elbow L-150P 8089 to 12166
			16	604 364 C1	HOUSING, gear shifter
			20 049 R1	SCREW, 7/16 x 1-3/8" hex-hd cap (4)	
			20 050 R1	SCREW, 7/16 x 1-5/8" hex-hd cap (7)	
			15/32 x 59/64" x 16 ga.	WASHER (11)	
			17	18 585 DA	DOWEL, gear shifter housing to main frame (3)
			18	461 173 R1	"O" RING, 1-5/8 x 2 x 3/16" (illustrated and listed with "Main Frame")
			19	604 365 C2	GASKET, gear shifter housing
			20	13 722 D	BALL, gear shifter rail (optional with D-2616)
			20	D-2616	BALL, gear shifter rail (optional with 13 722 D)
			21	64 163 D	SPRING, gear shifter rail ball
			22	50 826 D	ANCHOR, steering clutch release lever return spring (2)
			23	611 432 C11	TUBE, w/NUT 265 205 R1 and SLEEVE 265 204 R1, Transmission vent L-150P 12167 up
			24	265 204 R1	SLEEVE L-150P 12167 up
			25	265 205 R1	NUT L-150P 12167 up
			26	606 889 C1	ELBOW, transmission vent tube TD-9BP 12167 up
			250 868 R1	DOWEL, gear shifter housing	
			607 534 C91	PACKAGE, gear shifter housing field improvement L-150P 6501 to 9812	
				(Composed of -	
				3 DOWEL	18 585 DA
				1 DOWEL	250 868 R1
				1 GASKET	604 365 C1
				1 HOUSING	604 364 C1
				1 "O" RING	327 431 R1
				1 PAMPHLET (installation instructions)	1 085 050 R1 )
			341 950 R91	PACKAGE, transmission vent field improvement L-150P 6501 to 8088	
				(Composed of -	
				§2 CLIP	
				1 ELBOW	51 434 D
				1 NUT	19 986 R1
				1 PIPE	327 932 R92
				1 TUBE	341 949 R1
				1 DRAWING, installation	IZG-6417 )
1	264 055 R2	BALL, gear shift hand lever			
2	64 604 D	CLAMP, gear shift hand lever boot			
3	64 603 DA	BOOT, gear shift hand lever			
4	104 073	RIVET, 3/16 x 1-1/4"			
5	11 373 D	STOP, upper gear shift lever spring			
6	29 547 D	SPRING, gear shift lever			
7	17 700 D	STOP, lower gear shift lever spring			
8	355 889 R3	SHIELD, gear shift housing swivel			
9	327 941 R91	LEVER, gear shift hi-low			
10	57 904 DA	PIN, gear shift hand lever	172 529	PLUG, 5/8" expansion (2)	
				§ - Not Furnished Separately.	



IPA-66608 D



# TRANSMISSION

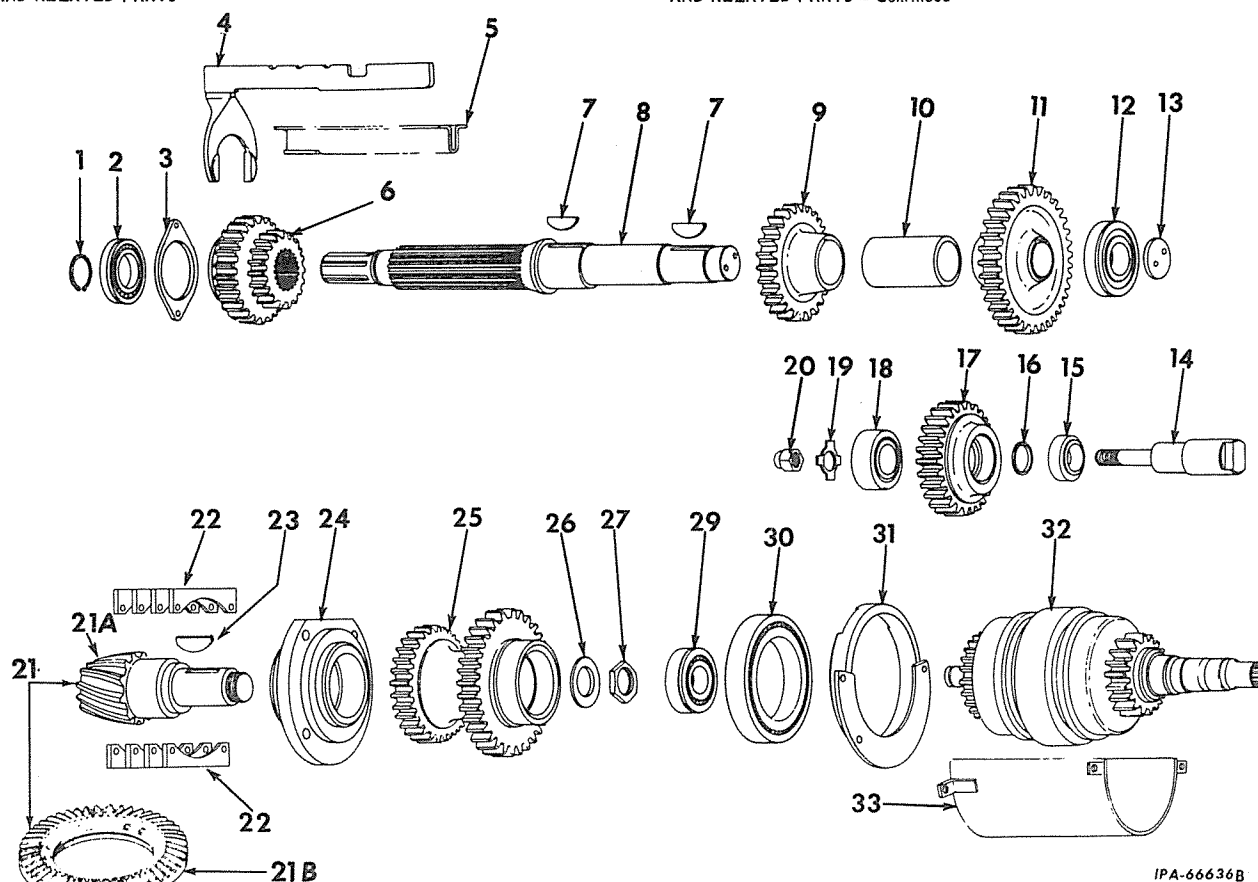
(Used on Power Shift Loaders)



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------	----------	-------------	-------------

TRANSMISSION, COUNTERSHAFT, GEARS AND RELATED PARTS

TRANSMISSION, COUNTERSHAFT, GEARS AND RELATED PARTS - Continued



IPA-66636B

1	631 255 R1	RING, countershaft rear bearing snap	13	327 929 R1	WASHER, countershaft front bearing retainer 7/16NF x 1" hex-hd cap SCREW (2) 7/16" lock WASHER (2)
2	319 962 R91	BEARING, countershaft rear	14	327 943 R1	SHAFT, reverse idler
3	327 936 R1	RETAINER, countershaft rear bearing 3/8 x 1" hex-hd cap SCREW (2) 3/8" lock WASHER (2)	15		BEARING (order 327 426 R91)
4	327 949 R91	RAIL and FORK, hi-low speed shifter	16		SPACER (order 327 426 R91)
5	327 939 R11 62 778 D	GUIDE, gear shifter rail LOCK, gear shifter rail guide screw (2) 3/8 x 3/4" hex-hd cap SCREW (4)	17	327 955 R1	GEAR, reverse idler (27 T)
6	331 375 R1	GEAR, hi-low sliding (18T and 25T) (Order SHAFT, 327 951 R2 and GEAR, 331 375 R2) L150P 6501 to 6976	18		BEARING (order 327 426 R91)
6	331 375 R2	GEAR, hi-low sliding (18T and 25T) L-150P 6977 up	19	327 927 R1	WASHER, reverse idler shaft nut lock
7	17 138 R1	KEY, 1/4 x 2-3/4" (Woodruff) (2)	20	18 558 R1	NUT, reverse idler shaft (3/4NF)
8	327 951 R1	SHAFT, transmission counter (order GEAR, 331 375 R2 and SHAFT, 327 951 R2) L-150P 6501 to 6976	21	327 965 R91	PINION and SHAFT, BEVEL, 327 960 R1 w/DRIVE BEVEL GEAR 609 967 C1 (matched pair) (order GEAR and PINION SET, 609 969 C91, RETAINER, 341 811 R1, NUT, 20 017 R1) (see NOTE) L-150P 6501 to 8414 Except 8312, 8314, 8325 and 8326
8	327 951 R2	SHAFT, transmission counter L-150P 6977 up	21	609 969 C91	PINION and SHAFT, BEVEL (609 968 C91) w/DRIVE BEVEL GEAR 609 967 C1 (matched pair) (see NOTE) L-150P 8312, 8314, 8325, 8326, and 8415 up
9	327 952 R1	GEAR, reverse countershaft (28 T)			
10	327 935 R1	SPACER, transmission countershaft gear			
11	327 959 R1	GEAR, forward countershaft (35 T)			
12	327 427 R91	BEARING, countershaft front			

NOTE:- Also Listed and Illustrated Under Heading "STEERING SYSTEM-DRIVE BEVEL GEAR."



# TRANSMISSION

(Used on Power Shift Loaders)



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION, COUNTERSHAFT, GEARS AND RELATED PARTS - Continued			TRANSMISSION, COUNTERSHAFT, GEARS AND RELATED PARTS - Continued		
21A	327 960 R1	PINION and SHAFT, BEVEL (9T) (Order PINION and SHAFT SET 609 969 C91, RETAINER 341 811 R1 and NUT, 20 017 R1) (See NOTE) L150P 6501 to 8414 Except 8312, 8314, 8325 and 8326	31	327 950 R1	CAGE, pinion shaft front bearing 3/8 x 1-1/4" hex-hd cap SCREW (3) 3/8" lock WASHER (3)
21A	341 812 R1	PINION and SHAFT, BEVEL (9T) (Order PINION and SHAFT SET 609 969 C91) (See NOTE) L150P 8312, 8314, 8325, 8326, and 8415 to 12770	32		PACK ASSY, clutch (for components see list of parts under details of "Clutch Pack and Related Parts")
21A	609 968 C1	PINION and SHAFT, BEVEL (9T) (30° spiral angle) (See NOTE) L150P 12771 Up	33	327 956 R11 297 330 R1	BAFFLE, transmission oil SCREW, 3/8 x 1" hex-hd cap (2) L-150P 6501 to 8013
21B	279 338 R1	GEAR, drive bevel (38T) (20° pressure angle) (for L150P 6501 to 8414 Except 8312, 8314, 8325 and 8326 order PINION and SHAFT SET 609 969 C91, RETAINER 341 811 R1 and NUT 20 017 R1) (for L150P 8312, 8314, 8325, 8326, and 8415 to 12770 order PINION and SHAFT SET 609 969 C91) (See NOTE) L150P 6501 to 12770	327 426 R91		BEARING, reverse idler gear (consists of Ref. Nos. 15, 16 and 18)
21B	609 967 C1	GEAR, DRIVE BEVEL (38T) (22-1/2° pressure angle) (See NOTE) L150P 12771 Up			
22	53 635 D	SHIM, rear bearing (heavy) (X)			
22	53 636 D	SHIM, rear bearing (medium) (X)			
22	53 637 D	SHIM, rear bearing (light) (X)			
22	250 307 R1	SHIM, rear bearing (extra light) (X)			
23	38 260 D	KEY, 3/8 x 2-3/4" (Woodruff)			
24	327 425 R91 313 692 R1	BEARING, pinion shaft SCREW, 1/2 x 1-3/4" hex-hd cap (4) 1/2" lock WASHER (4)			
25	331 376 R1	GEAR, hi-low driven (35 T)			
26	351 048 R1	RETAINER, hi-low driven gear L-150P 6501 to 8414			
26	341 811 R1	RETAINER, hi-low driven gear L-150P 8415 up			
27	279 732 R1	NUT, bevel pinion shaft L-150P 6501 to 8414			(X) - As Required.
27	20 017 R1	NUT, bevel pinion shaft L-150P 8415 up			NOTE - Also Listed and Illustrated Under Heading "Steering System - Drive Bevel Gear".
29	327 429 R1	BEARING, input shaft rear			
30	279 456 R92	BEARING, pinion shaft front			

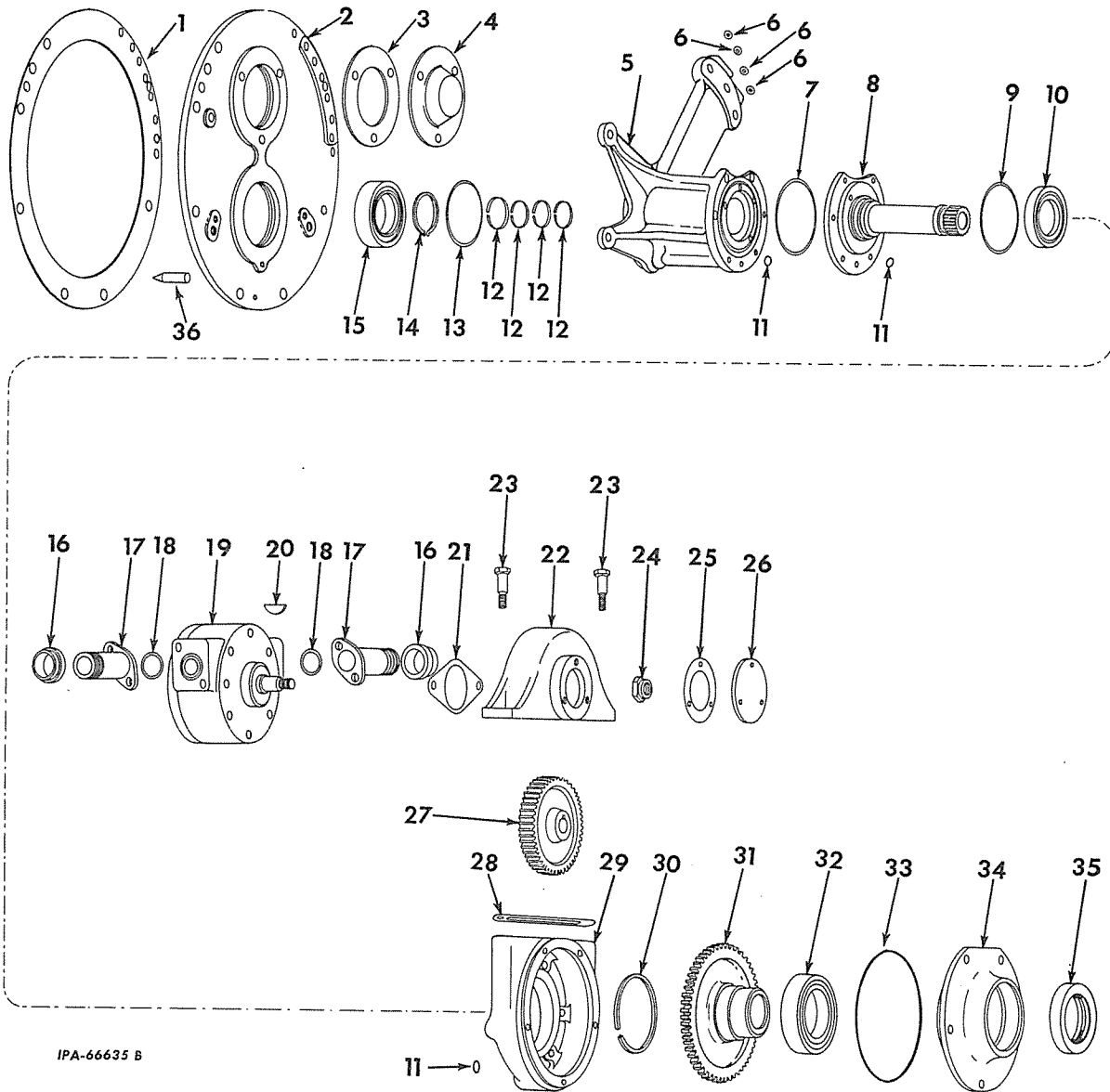


# TRANSMISSION (USED ON POWER SHIFT LOADERS)



TRANSMISSION, FRONT COVER, OIL PUMP  
AND RELATED PARTS

TRANSMISSION, FRONT COVER, OIL PUMP  
AND RELATED PARTS - Continued



IPA-66635 B



-87-  
**TRANSMISSION**  
**(USED ON POWER SHIFT LOADERS)**

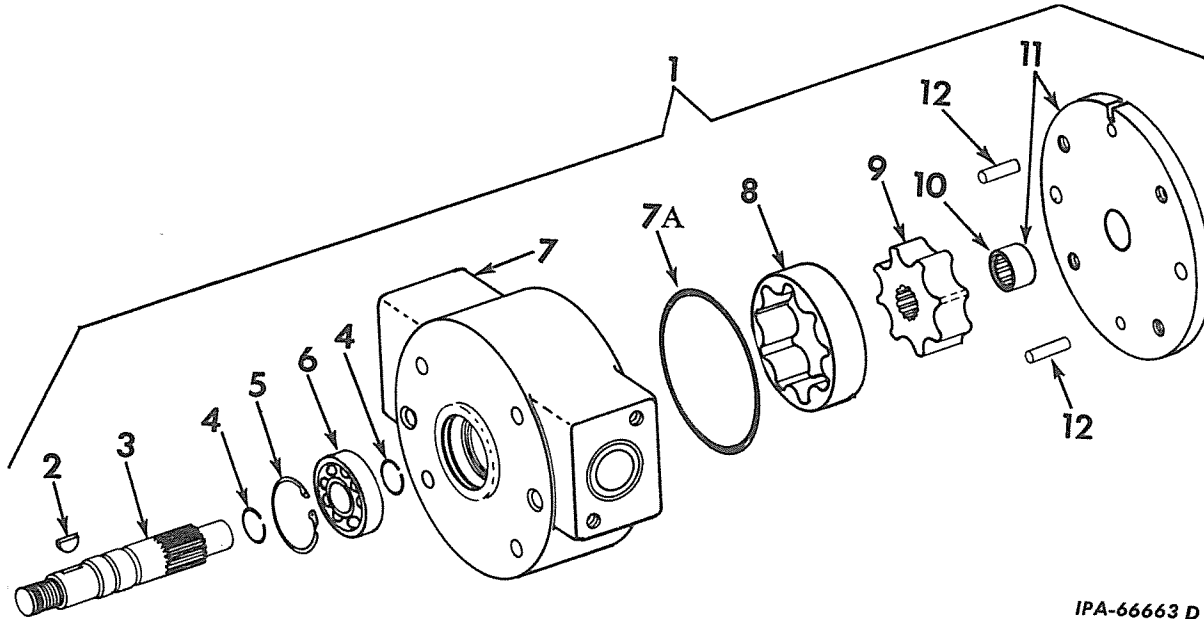


REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION, FRONT COVER, OIL PUMP AND RELATED PARTS - Continued			TRANSMISSION, FRONT COVER, OIL PUMP AND RELATED PARTS - Continued		
1	331 461 R1	GASKET, transmission front cover	29	327 963 R2	HOUSING, pump drive (together w/"O" RING, 264 681 R1 will work for 327 963 R1)
2	331 463 R11 274 863 R1	COVER, w/two PIN, 316 079 R1, transmission front SCREW, 7/16 x 1-1/8" hex-hd cap (7)	30	327 420 R1	RING, pump drive gear sealing (hook type)
3	327 925 R1	GASKET, transmission countershaft front bearing retainer	31	327 953 R1	GEAR, pump drive (33 T) L-150P 6501 to 9905
4	338 165 R1 297 330 R1	RETAINER, transmission countershaft bearing 3/8 x 1" hex-hd cap SCREW (3)	31	604 845 C1	GEAR, pump drive (33 T) L-150P 9906 up
5	331 460 R11 274 864 R1	SUPPORT w/PIN, 141 275 and PLUG, 444 783, pump drive housing SCREW, 1/2 x 1-3/8" hex-hd cap (3) 7/16 x 3" hex-hd cap SCREW (3) 7/16" lock WASHER (3)	32	65 490 D	BEARING, pump drive gear front
6	252 739 R1	"O" RING (1/2 x 11/16 x 3/32") (4)	33	327 928 R1	GASKET, pump drive housing cover L-150P 6501 to 9905
7	259 246 R1	"O" RING, converter stator support quill (3-7/8 x 4-1/8 x 1/8")	33	264 681 R1	"O" RING (6-1/2 x 6-3/4 x 1/8") L-150P 9906 up
8	331 462 R1 313 756 R1	QUILL, converter stator support SCREW, 3/8 x 1-1/4" hex-hd cap (6)	34	327 957 R2	COVER, pump drive housing 3/8 x 7/8" hex-hd cap SCREW (5) 3/8" lock WASHER (5)
9	468 339 R1	"O" RING, converter stator support quill (4 x 4-1/4 x 1/8")	35	327 424 R92	SEAL, pump drive housing L-150P 6501 to 9905
10	ST 572	BEARING, input drive	35	606 293 C91	SEAL, pump drive housing L-150P 9906 up
11	355 967 R1	"O" RING (3/8 x 1/16") (3)	36	316 079 R1	PIN, transmission baffle guide (2) L-150P 8014 up
12	325 059 R1	RING, input shaft sealing (hook type) (4)	36	341 763 R1	PIN, transmission baffle guide (furnished as part of PACKAGE, 341 762 R91) (2) L-150P 6501 to 8013
13	610 411 C1	"O" RING, pump drive housing support (3-1/2 x 3-3/4 x 1/8")	341 762 R91	PACKAGE, transmission baffle guide pin field improvement (consists of baffle guide PIN, 341 763 R1) (2) L-150P 6501 to 8013	
14	466 191 R1	RING, input shaft front bearing snap	141 275	PIN, pump drive housing support dowel	
15	327 428 R91	BEARING, input shaft front	45 132 D	PIN, front cover dowel	
16	330 851 R1	BUSHING, pump inlet and outlet pipe (2)	444 783	PLUG, pump drive housing support pipe (3/8")	
17	330 850 R11	PIPE, pump inlet and outlet (2) 3/8 x 1" hex-hd cap SCREW (4) 3/8" lock WASHER (4)			
18	708 560 R1	"O" RING (1-5/16 x 1-9/16 x 1/8") (2)			
19	327 421 R91	PUMP, converter supply (for components see list of parts under details of "Converter Supply Pump") 3/8 x 3" hex-hd cap SCREW (2) 3/8" WASHER (brass) (2)			
20	124 549	KEY, 3/16 x 3/4" (Woodruff No. 91)			
21	327 945 R1	GASKET, pump			
22	327 964 R1	HOUSING, pump mounting			
23	327 924 R2	BOLT, pump housing dowel (2) 1/2" external tooth lock WASHER (2)			
24	19 263 R1	NUT, 5/8NF (Esna)			
25	327 922 R1	GASKET, pump mounting housing cover			
26	327 921 R1	COVER, pump mounting housing 5/16 x 3/4" hex-hd cap SCREW (3) 5/16" lock WASHER (3)			
27	327 961 R1	GEAR, pump driven (46 T)			
28	327 923 R1	GASKET, pump mounting housing			

# TRANSMISSION (USED ON POWER SHIFT LOADERS)



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CONVERTER SUPPLY PUMP (Webster)			CONVERTER SUPPLY PUMP - Continued (Webster)		



IPA-66663 D

1	327 421 R91	PUMP, converter supply (155-35206)	7A	343 700 R1	"O" RING (4 x 4-3/16 x 3/32")
2	124 549	KEY, pump drive gear (Woodruff) (3/16 x 3/4")	8	333 827 R1	GEAR, outer (151-35212-1)
3	333 825 R1	SHAFT, drive (151-35210)	9	333 826 R1	GEAR, inner (151-35211)
4	454 331 R1	RING, shaft retaining (2)	10	276 578 R91	BEARING, needle (151-21054)
5	272 842 R1	RING, bearing retainer	11	333 822 R91	COVER, w/BEARING, 276 578 R91, pump housing end
6	333 829 R91	BEARING, ball (151-23360)	12	343 691 R1	PIN, cover mounting dowel (2)
7	333 824 R1 333 830 R1	HOUSING, pump (151-35209-1) SCREW, counter bore 5/16 x 2" (4)			

MEMORANDA



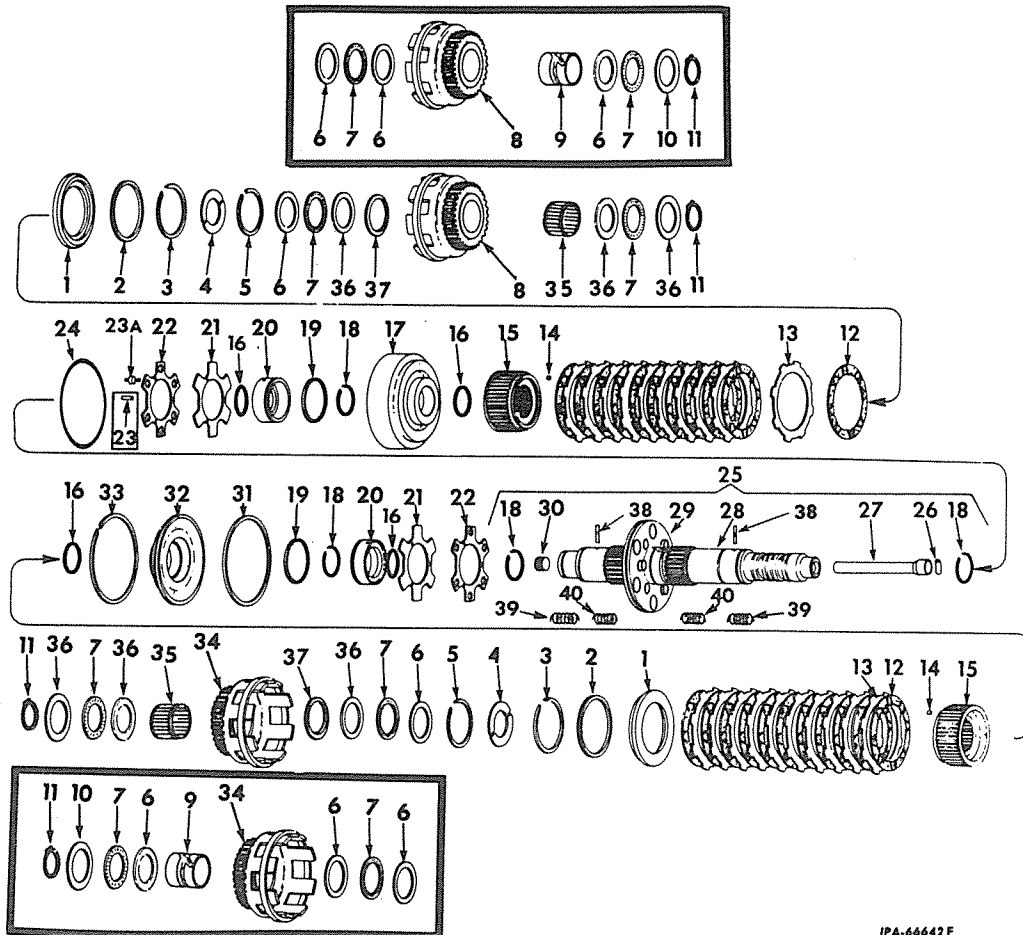
# TRANSMISSION (USED ON POWER SHIFT LOADERS)



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------	----------	-------------	-------------

**CLUTCH PACK AND RELATED PARTS  
(Rockford)**

**CLUTCH PACK AND RELATED PARTS - Continued  
(Rockford)**



IPA-66642F

1	324 242 R1	PLATE, clutch backing (used w/HUB 346 647 R91) (2)	8	610 827 C91	GEAR, clutch second speed drive L-150P 12635 up
1	627 365 C1	PLATE, backing (part of HUB ASSY 627 401 C91) (2)	9	610 008 C1	BUSHING, first and second drive clutch gear (2) L-150P 6501 to 12634
2	324 245 R1	RING, snap (int) (used w/HUB 346 647 R91) (2)	10	333 853 R1	SPACER, washer (2) L-150P 6501 to 12634
2	627 367 C1	RING, snap (int) (part of HUB ASSY 627 401 C91) (2)	11	287 049 R1	RING, external snap (2)
3	333 857 R2	RING, snap (ext) (used w/HUB 346 647 R91) (2)	12	324 240 R1	PLATE, internal splined (Order 22 PLATE 702 959 C1) (see NOTE)
3	627 366 C1	RING, snap (ext) (part of HUB ASSY 627 401 C91) (2)	12	702 959 C1	PLATE, internal splined (22 PLATES 702 959 C1 will work for PLATES 324 240 R1) (see NOTE) (22)
4	324 231 R1	RETAINER, clutch hub (4)	13	324 241 R1	PLATE, external splined (20)
5	324 232 R1	RING, snap (internal) (2)	14	324 244 R1	PIN, dowel (used w/HUB 346 647 R91) (2)
6	584 269 R1	SPACER, washer (6) L-150P 6501 to 12634 (2) L-150P 12635 up	15	346 647 R91	HUB, clutch (order HUB ASSY 627 491 C91) (2)
7	584 268 R91	BEARING, needle thrust (4)	15	627 400 C1	HUB, clutch (part of HUB ASSY 627 401 C91) (2)
8	333 852 R91	GEAR w/BUSHING 610 008 C1 CLUTCH second speed drive L-150P 6501 to 12634	NOTE - Do Not Intermix CLUTCH PLATE 702 959 C1 With Displaced CLUTCH PLATE 324 240 R1 in Any One CLUTCH PACK ASSY.		



# TRANSMISSION (USED ON POWER SHIFT LOADERS)



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
<b>CLUTCH PACK AND RELATED PARTS - Continued (Rockford)</b>			<b>CLUTCH PACK AND RELATED PARTS - Continued (Rockford)</b>		
16	627 969 C1	"O" RING (piston hook type) (2 used with CLUTCH PACK 610 464 C91 and 610 752 C92, 4 used w/CLUTCH PACK 625 777 C92)	27		TUBE, clutch shaft (Not Furnished Separately)
17	324 228 R2	HOUSING, piston (for CLUTCH PACK 610 464 C91 and 610 752 C92 order HOUSING 627 669 C1) (for CLUTCH PACK 625 777 C91 order 1 HOUSING 627 669 C1, 1 PISTON 627 668 C1, 2 PISTON 627 667 C1, and 3 PIN 627 666 C1)	28		SHAFT (Not Furnished Separately)
17	627 669 C1	HOUSING, piston	29	346 596 R91	PLATE, separator (order PACKAGE, 610 877 C91) L-150P 6501 to 11306
18	324 222 R1	RING, snap (external) (4)	29	610 478 C1	PLATE, separator L-150P 11307 to 15338
19	324 223 R1	"O" RING (piston hook type) (2)	29	627 092 C1	PLATE, separator L-150P 15339 up
20	324 221 R1	PISTON, accelerating (order two PISTON, 610 481 C1)	30	324 236 R1	PLUG, 3/8" pipe L-150P 6501 to 8625
20	610 481 C1	PISTON, accelerating (used with CLUTCH PACK 610 464 C91 and 610 752 C92) (2)	30	347 553 R1	PLUG, 1/2" pipe L-150P 8626 up
20	627 093 C1	PISTON, accelerating (used with CLUTCH PACK 625 777 C91) (order 1 HOUSING 627 669 C1, 1 PISTON 627 668 C1, 2 PISTON 627 667 C1, and 3 PIN 627 666 C1) (2)	31	324 226 R1	"O" RING (lathe cut)
20	627 667 C1	PISTON, accelerating (used with CLUTCH PACK 625 777 C92) (2)	32	324 225 R2	PISTON, clutch (for CLUTCH PACK 610 464 C91 and 610 752 C92 order PISTON 627 668 C1) (for CLUTCH PACK 625 777 C91 order 1 HOUSING 627 669 C1, 1 PISTON 627 668 C1, 2 PISTON 627 667 C1, and 3 PIN 627 666 C1)
21	610 751 C1	VALVE, disc (2)	32	627 668 C1	PISTON, clutch
22	610 760 C1	DISC, reinforcing (used with CLUTCH PACK 610 464 C91 and 610 752 C92) (2)	33	347 297 R1	RING, snap (internal)
22	625 205 C1	DISC, reinforcing (used with CLUTCH PACK 327 422 R92 and 625 777 C92) (2)	34	333 851 R91	GEAR w/BUSHING, 610 008 C1 clutch first speed drive L-150P 6501 to 12634
23	324 218 R1	PIN, dowel (used with CLUTCH PACK, 327 422 R92) (3)	34	610 826 C91	GEAR, clutch first speed drive L-150P 12635 up
23A	610 755 C1	PIN, dowel (used with CLUTCH PACK 610 464 C91, and 610 752 C92) (for CLUTCH PACK 625 777 C91 order 1 HOUSING 627 669 C1, 1 PISTON 627 668 C1, 2 PISTON 627 667 C1, and 3 PIN 627 666 C1) (3)	35	610 828 C91	BEARING, roller, first and second drive clutch gear (2) L-150P 12635 up
23A	627 666 C1	PIN, dowel (used with CLUTCH PACK 625 777 C92) (3)	36	610 769 C1	WASHER, thrust (6) L-150P 12635 up
24	324 227 R1	"O" RING	37	610 829 C1	SPACER, bearing (2) L-150P 12635 up
25	333 854 R92	SHAFT ASSY, clutch (order KIT 630 110 C1) L-150P 6501 to 11306	38	17 164 R1	PIN, spring (2)
25	610 809 C91	SHAFT ASSY, clutch (order KIT 630 110 C1) L-150P 11307 to 12634	39	625 206 C1	SPRING, comp (6) L-150P 15339 up
25	610 825 C91	SHAFT ASSY, clutch L-150P 12635 to 15338 (Order the following - 2 DISC 625 205 C1 2 PISTON 627 667 C1 1 SHAFT 627 091 C91 6 SPRING 625 206 C1 6 SPRING 625 821 C1 )	40	625 821 C1	SPRING, comp (6) L-150 15339 up
25	627 091 C91	SHAFT ASSY, clutch L-150P 15339 up (Composed of - 1 PIN 606 102 C1 2 PIN 17 164 R1 1 PLATE 627 092 C1 1 PLUG 347 553 R1 2 RING 324 222 R1 § 1 SHAFT )	627 401 C91		HUB ASSY (2) (Composed of - 1 HUB 627 400 C1 1 PLATE 627 365 C1 1 RING 627 366 C1 1 RING 627 367 C1)
26	606 102 C1	PIN, dowel			§ - Not Furnished Separately.



# TRANSMISSION (USED ON POWER SHIFT LOADERS)



REF. PART NO. NUMBER	DESCRIPTION
-------------------------	-------------

REF. PART NO. NUMBER	DESCRIPTION
-------------------------	-------------

**CLUTCH PACK AND RELATED PARTS - Continued**  
(Rockford)

**CLUTCH PACK AND RELATED PARTS - Continued**  
(Rockford)

630 110 C1 KIT, clutch shaft field service  
L-150P 6501 to 12634

- (Consists of -
- |     |            |             |
|-----|------------|-------------|
| 2   | DISC       | 625 205 C1  |
| 1   | HOUSING    | 627 669 C1  |
| 3   | PIN        | 627 666 C1  |
| 2   | PIN        | 17 169 R1   |
| 2   | PISTON     | 627 667 C1  |
| 1   | PISTON     | 627 668 C1  |
| 1   | RING       | 324 226 R1  |
| 1   | RING       | 324 227 R1  |
| 2   | RING       | 324 223 R1  |
| 4   | RING       | 627 969 C1  |
| 1   | RING       | 347 297 R1  |
| 2   | RING       | 324 222 R1  |
| § 1 | SHAFT ASSY |             |
| 6   | SPRING     | 625 206 C1  |
| 6   | SPRING     | 625 821 C1  |
| 2   | VALVE      | 610 751 C1) |

610 877 C91 PACKAGE, separator plate field service  
L-150P 6501 to 11306

- (Consists of -
- |   |        |             |
|---|--------|-------------|
| 2 | DISC   | 610 760 C1  |
| 3 | PIN    | 610 755 C1  |
| 1 | PLATE  | 610 478 C1  |
| 2 | PISTON | 610 481 C1  |
| 1 | RING   | 324 226 R1  |
| 1 | RING   | 324 227 R1  |
| 2 | VALVE  | 610 751 C1) |

610 464 C91 PACK ASSY, final clutch (will work for  
final clutch PACK ASSY, 327 422 R92)  
L-150P 6501 to 12634

- (Composed of -
- |     |            |             |
|-----|------------|-------------|
| 4   | BEARING    | 584 268 R91 |
| 2   | DISC       | 610 760 C1  |
| 1   | GEAR ASSY  | 333 851 R91 |
| 1   | GEAR ASSY  | 333 852 R91 |
| 1   | HOUSING    | 627 669 C1  |
| 2   | HUB ASSY   | 627 401 C91 |
| 2   | "O" RING   | 324 223 R1  |
| 2   | "O" RING   | 627 969 C1  |
| 1   | "O" RING   | 324 226 R1  |
| 1   | "O" RING   | 324 227 R1  |
| 3   | PIN        | 610 755 C1  |
| 2   | PISTON     | 610 481 C1  |
| 1   | PISTON     | 627 668 C1  |
| 22  | PLATE      | 702 959 C1  |
| 20  | PLATE      | 324 241 R1  |
| 4   | RETAINER   | 324 231 R1  |
| 2   | RING       | 287 049 R1  |
| 4   | RING       | 324 222 R1  |
| 2   | RING       | 324 232 R1  |
| 1   | RING       | 347 297 R1  |
| § 1 | SHAFT ASSY |             |
| 2   | SPACER     | 333 853 R1  |
| 6   | SPACER     | 584 269 R1  |

610 752 C92 PACK ASSY, final clutch (order PACK ASSY,  
625 777 C92)

L-150P 12635 to 15338

- (Composed of -
- |    |            |             |
|----|------------|-------------|
| 4  | BEARING    | 584 268 R91 |
| 2  | DISC       | 610 760 C1  |
| 1  | GEAR ASSY  | 610 826 C91 |
| 1  | GEAR ASSY  | 610 827 C91 |
| 1  | HOUSING    | 627 669 C1  |
| 2  | HUB ASSY   | 627 401 C91 |
| 2  | "O" RING   | 324 223 R1  |
| 2  | "O" RING   | 627 969 C1  |
| 1  | "O" RING   | 324 226 R1  |
| 1  | "O" RING   | 324 227 R1  |
| 3  | PIN        | 610 755 C1  |
| 2  | PISTON     | 610 481 C1  |
| 1  | PISTON     | 627 668 C1  |
| 22 | PLATE      | 702 959 C1  |
| 20 | PLATE      | 324 241 R1  |
| 4  | RETAINER   | 324 231 R1  |
| 2  | RING       | 287 049 R1  |
| 4  | RING       | 324 222 R1  |
| 2  | RING       | 324 232 R1  |
| 1  | RING       | 347 297 R1  |
| 1  | SHAFT ASSY | 610 825 C91 |
| 2  | SPACER     | 610 829 C1  |
| 2  | SPACER     | 584 269 R1  |
| 2  | VALVE      | 610 751 C1  |
| 6  | WASHER     | 610 769 C1) |

625 777 C92 PACK ASSY, final clutch  
L-150P 15339 up

- (Composed of -
- |    |            |             |
|----|------------|-------------|
| 4  | BEARING    | 584 268 R91 |
| 2  | BEARING    | 610 828 C91 |
| 2  | DISC       | 625 205 C1  |
| 1  | GEAR ASSY  | 610 826 C91 |
| 1  | GEAR ASSY  | 610 827 C91 |
| 1  | HOUSING    | 627 669 C1  |
| 2  | HUB ASSY   | 627 401 C91 |
| 2  | "O" RING   | 324 223 R1  |
| 4  | "O" RING   | 627 969 C1  |
| 1  | "O" RING   | 324 226 R1  |
| 1  | "O" RING   | 324 227 R1  |
| 3  | PIN        | 627 666 C1  |
| 2  | PISTON     | 627 067 C1  |
| 1  | PISTON     | 627 668 C1  |
| 22 | PLATE      | 702 959 C1  |
| 20 | PLATE      | 324 241 R1  |
| 4  | RETAINER   | 324 231 R1  |
| 2  | RING       | 287 049 R1  |
| 4  | RING       | 324 222 R1  |
| 2  | RING       | 324 232 R1  |
| 1  | RING       | 347 297 R1  |
| 1  | SHAFT ASSY | 627 091 C91 |
| 2  | SPACER     | 610 829 C1  |
| 2  | SPACER     | 584 269 R1  |
| 6  | SPRING     | 625 206 C1  |
| 6  | SPRING     | 625 821 C1  |
| 2  | VALVE      | 610 751 C1  |
| 6  | WASHER     | 610 769 C1) |

§ - Not Furnished Separately.



# MEMORANDA



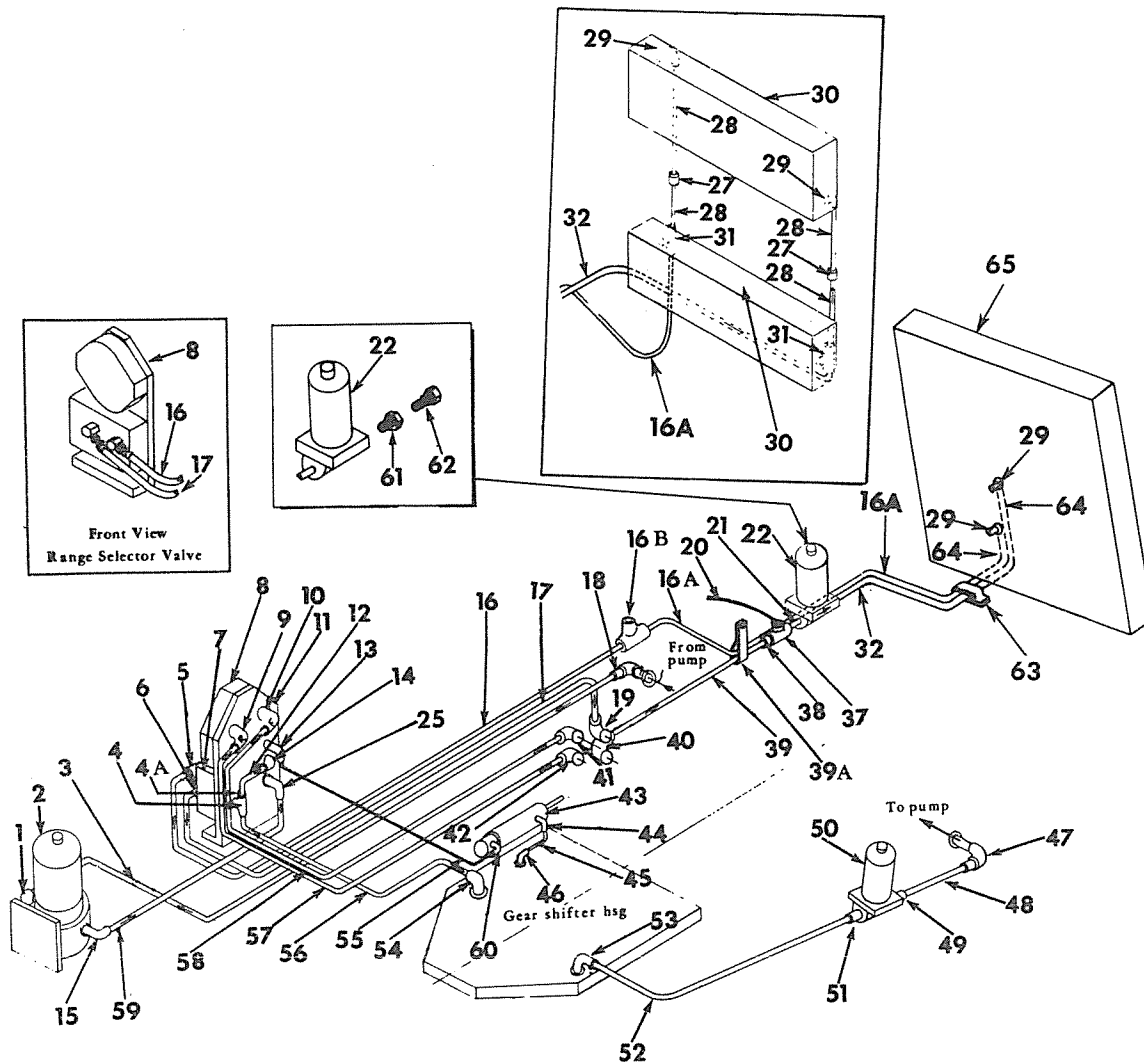
# TRANSMISSION (USED ON POWER SHIFT LOADERS)



REF. PART NO. NUMBER	DESCRIPTION	REF. PART NO. NUMBER	DESCRIPTION
----------------------	-------------	----------------------	-------------

TRANSMISSION PIPING

TRANSMISSION PIPING - Continued



IPB-10731 F

1	297 581 R91	ELBOW, 90° adapter	7	VALVE ASSY, main regulator (for components see list of parts under details of "Main Regulator Valve")
2	333 719 R91	FILTER, pressure (for components see list of parts under details of "Pressure Filter")		3/8 x 4-3/4" hex-hd cap SCREW (11)
		3/8" NUT (4)		3/8" NUT (11)
		3/8 x 1-1/4" hex-hd cap SCREW (4)		3/8" lock WASHER (11)
	615 031 R1	WASHER, 3/8" (4)	8	VALVE ASSY, range selector (for components see list of parts under details of "Range Selector Valve")
3	338 621 R91	HOSE w/FITTINGS, pump to pressure filter (HOSE, 3/4" x 45" long w/FITTINGS)		5/16NF NUT (8)
4	338 335 R91	ADAPTER, 90° swivel (3/4-1/8" NPT)		5/16NF x 4-1/2" hex-hd cap SCREW (6)
4A	9 409 271	CONNECTOR, 1/8" NPT		5/16NF x 5" hex-hd cap SCREW (2)
	272 982	FERRULE		5/16" lock WASHER (8)
	9 409 521	NUT	9	338 587 R91 UNION, adapter (3/8" NPT x 90°)
5	291 572 R91	UNION, 90° adapter		364 839 R1 "O" RING (.468 x .624 x .078")
		L-150P 6501 to 9809	10	338 587 R91 UNION, adapter (3/8" NPT x 90°)
5	297 581 R91	ELBOW, 90° adapter		364 839 R1 "O" RING (.468 x .624 x .078")
	144 056	REDUCER, 1-3/4" NPT	11	331 669 R1 BRACKET, regulator and selector valve
		L-150P 9810 up		1/2" NUT (3)
6	291 572 R91	UNION, 90° adapter		1/2 x 1-5/8" hex-hd cap SCREW (3)
				1/2" lock WASHER (3)
			12	334 740 R1 TUBE, regulator to tee

# TRANSMISSION (USED ON POWER SHIFT LOADERS)



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION PIPING - Continued			TRANSMISSION PIPING - Continued		
13	338 587 R91 364 839 R1	UNION, adapter (3/8" NPT x 90°) (2) "O" RING (.468 x .624 x .078")	18	338 586 R91	ADAPTER, union (3/4NPT)
14	9 409 323 272 982 9 409 521	ELBOW, 1/8" NPT FERRULE NUT	19	338 596 R91 570 838 R1	UNION, 90° adapter "O" RING (.644 x .818 x .087")
15	444 377	ELBOW, 3/4" NPT street (optional with 454 112)	20		CABLE, converter temperature (part of converter temperature gauge)
15	454 112	ELBOW, 3/4" NPT street (optional with 444 377)	21	127 878	NIPPLE, 1 x 1-1/2NPT
16	603 564 C91	HOSE w/two FITTING, 347 957 R91, thermo by-pass to regulator (HOSE, 5/8" ID x 80" long including FITTINGS) L-150P 6501 to 9809	22	610 794 C91	FILTER ASSY safety (Consists of ELEMENT 346 821 R91, "O" RING 313 337 R1 and SPRING 346 822 R1) (Filter Assembly 610 794 C91 will work for Filter Assembly 333 734 R91) 1/2 x 2-3/4" hex-hd cap SCREW (2) 17/32 x 1-1/16" x 13 ga WASHER (2) 1/2" lock WASHER (2)
16		HOSE w/o FITTINGS, cut length 5/8" ID x 76-5/8" long cut from bulk HOSE, 319 710 R1	25	336 009 R91 368 269 R1	UNION, adapter (3/4NPT x 90°) "O" RING (.924 x 1.166 x .116")
	347 957 R91	FITTING, rigid male pipe hose (2)	27	324 169 R91	COUPLING, pipe (2) L-150P 6501 to 15423
16	347 959 R91	HOSE w/FITTING, 347 957 R91 and FITTING, 319 753 R91, thermo by-pass to regulator (rear) (HOSE, 5/8" ID x 56" long including FITTINGS) L-150P 9810 to 10700	28	330 993 R1	PIPE, cooler connector (4) L-150P 6501 to 15423
16		HOSE w/o FITTINGS, cut length, 5/8" ID x 52-5/8" long, cut from bulk HOSE, 319 710 R1	29	444 044	ELBOW, 90° street (2)
	347 957 R91	FITTING, rigid male pipe hose	30	333 705 R92	COOLER, oil (mount ahead of radiator) (2) L-150P 6501 to 15423 3/8NF x 7/8" hex-hd cap SCREW (2) 3/8NF x 5/8" hex-hd cap SCREW (8) 3/8" lock WASHER (6) 3/8" plain WASHER (2)
	319 753 R91	FITTING, rigid male pipe hose	31	444 138	TEE, 1/2NPT (2) L-150P 6501 to 15423
16	347 959 R91	HOSE w/FITTING, 347 957 R91 and FITTING, 319 753 R91, oil cooler outlet (rear) (HOSE, 5/8" ID x 56" long including FITTINGS) L-150P 10701 up	32	603 546 C91	HOSE w/two FITTING, 319 752 R91, by-pass housing to cooler (HOSE, 1/2" ID x 51" long including FITTINGS) L-150P 6501 to 10700
16		HOSE w/o FITTINGS, cut length, 5/8" ID x 52-5/8" long, cut from bulk HOSE, 319 710 R1	32		HOSE, w/o FITTINGS, cut length 1/2" ID x 47-3/4" long cut from bulk HOSE, 319 709 R1 (used only on units equipped with thermo by-pass valve) L-150P 6501 to 10700
	347 957 R91	FITTING, rigid male pipe hose		319 752 R91	FITTING, rigid male pipe hose (2)
	319 753 R91	FITTING, rigid male pipe hose	32	603 546 C91	HOSE w/two FITTINGS, 319 752 R91 safety filter to cooler inlet (HOSE, 1/2" ID x 51" long including FITTINGS) L-150P 10701 to 15423
16A	347 958 R91	HOSE w/two FITTINGS, 347 957 R91, thermo by-pass to regulator - front (HOSE, 5/8" ID x 23" long including FITTINGS) L-150P 9810 to 10700	32		HOSE w/o FITTINGS, cut length 1/2" ID x 47-3/4" long cut from bulk HOSE, 319 709 R1 L-150P 10701 to 15423
16A		HOSE w/o FITTINGS, cut length 5/8" ID x 19-5/8" long cut from bulk HOSE, 319 710 R1	32	319 752 R91 619 789 C1	FITTING, rigid male pipe hose (2) HOSE, 2/two FITTINGS, safety filter to oil cooler inlet (HOSE 1/2" ID x 43" long w/FITTINGS) L-150P 15424 up
	347 957 R91	FITTING, rigid male pipe hose (2)	37	179 626	TEE, reducing (1-1/2 - 1/2")
16A	610 138 C91	HOSE w/two FITTINGS, 319 752 R91, oil cooler outlet (front) (HOSE, 1/2" ID x 61" long including FITTINGS) L-150P 10701 to 15423	38	336 234 R91	ORIFICE, converter outlet (1/4")
16A		HOSE w/o FITTINGS, cut length, 1/2" ID x 57-3/4" long, cut from bulk HOSE, 319 709 R1	39	603 566 C91	HOSE w/two FITTING, 347 957 R91, converter to safety filter (HOSE, 5/8" ID x 27" long including FITTINGS)
	319 752 R91	FITTING, male pipe hose (2)	39		HOSE w/o FITTINGS, cut length 5/8" ID x 23-5/8" long cut from bulk HOSE, 319 710 R1
16A	619 788 C1	HOSE, w/two FITTINGS, oil cooler outlet front (HOSE 1/2" ID x 68" long w/FITTINGS) L-150P 15424 up		347 957 R91	FITTING, rigid male pipe hose (2)
16B	347 516 R91	TEE, thermo by-pass hose swivel L-150P 9810 up	39A	326 078 R1	CLAMP, hose
17	603 565 C91	HOSE w/two FITTINGS, 347 957 R91, regulator to converter (HOSE, 5/8" ID x 41" long including FITTINGS)	40	338 783 R91 570 828 R1	UNION, adapter (1/2NPT x 90°) "O" RING (.644 x .818 x .087")
17		HOSE w/o FITTINGS, cut length 5/8" ID x 37-5/8" long cut from bulk HOSE, 319 710 R1	41	338 587 R91 364 839 R1	UNION, adapter (3/8NPT x 90°) "O" RING (.468 x .624 x .078")
	347 957 R91	FITTING, rigid male pipe hose (2)			(x) - Order Cut Length Required.

## TRANSMISSION (USED ON POWER SHIFT LOADERS)



REF. PART NO. NUMBER	DESCRIPTION	REF. PART NO. NUMBER	DESCRIPTION		
TRANSMISSION PIPING - Continued		TRANSMISSION PIPING - Continued			
42	338 587 R91 364 839 R1	UNION, adapter (3/8NPT x 90°) "O" RING (.468 x .624 x .078")	63	326 078 R1	CLAMP, cooler hose L-150P 15424 up 3/8 x 3/4" hex-hd cap SCREW 13/32 x 13/16 x 16 ga. WASHER
43		CYLINDER, decelerator (illustrated and listed with "Engine Controls")	64	255 678 C1	NIPPLE, cooler inlet and outlet elbow (2) L-150P 15424 up
44	333 712 R1 272 984 9 409 523	ELBOW, 1/8NPT FERRULE NUT	65	619 787 C2	COOLER, oil (mount ahead of radiator) 3/8 x 7/8" hex-hd cap SCREW (4) 3/8" lock WASHER (4) 13/32 x 13/16" x 16 ga. WASHER (4)
45	330 808 R1	TUBE, decelerator to sump	338 784 R91	ADAPTER, 90° swivel (used on units equipped with a thermo by-pass valve) L-150P 6501 to 10700	
46	9 409 325 272 984 9 409 523	ELBOW, 1/4NPT FERRULE NUT	345 811 R91	BAFFLE w/SEAL, 345 810 R1, dust (mounted on top of lower cooler) L-150P 8617 up	
47	9 409 343 272 989 9 409 528	ELBOW, 1NPT FERRULE NUT	160 834 R91 301 819 R1	CLAMP, hose (2) CLAMP (3) L-150P 6501 to 15423	
48	330 790 R1	TUBE, filter to pump	330 929 R1	CLIP, oil cooler outlet hose (mounted to front safety filter bolt) L-150P 10701 up	
49	9 409 278 272 989 9 409 528	CONNECTOR, 1NPT FERRULE NUT	321 029 R91	ELEMENT, safety and suction filter (used with FILTER, 333 734 R91) (2)	
50	610 794 C91	FILTER w/ELEMENT, 346 821 R91, "O" RING, 313 337 R1 and SPRING, 346 822 R1, suction (will work for 333 734 R91)	346 821 R91	ELEMENT, safety and suction filter (used with FILTER, 610 794 C91) (2)	
51	9 409 278 9 409 528 272 989	CONNECTOR, 1NPT NUT FERRULE	325 040 R1	GASKET, regulator valve	
52	330 789 R1	TUBE, sump to filter	325 041 R1	GASKET, hydraulic valve spacer	
53	9 409 330 272 989 9 409 528	ELBOW, 1NPT FERRULE NUT	317 623 R1	GROMMET, 1-1/2" ID (2) L-150P 6501 to 15423	
54	297 581 R91	ELBOW, 90° adapter	318 497 R1	GROMMET, 1-3/4" ID oil cooler hose L-150P 15424 up	
55	603 548 C91	HOSE w/two FITTINGS, 317 912 R91, regulator to decelerator (HOSE, 13/32" ID x 25" long including FITTINGS)	319 709 R1	HOSE, bulb 1/2" ID (x)	
55		HOSE w/o FITTINGS, cut length 13/32" ID x 22-3/8" long cut from bulk HOSE, 319 708 R1	319 710 R1	HOSE, bulk 5/8" ID (x)	
	317 912 R91	FITTING, rigid male pipe hose (Aeroquip No. 4412-6-8) (2)	219 679	NIPPLE, 1 x 4-1/2" (used on units equipped with a thermo by-pass valve) L-150P 6501 to 10700	
	319 708 R1	HOSE, 13/32" ID bulk (x)	313 337 R91	"O" RING, safety and suction filter (3.250 x 3.500 x .125") (optional with 354 836 R1) (2)	
56	702 199 C91	HOSE w/two FITTING, 319 753 R1, regulator to sump (HOSE, 5/8" ID x 17" long including FITTINGS)	354 836 R1	"O" RING, safety and suction filter (3.250 x 3.500 x .125) (optional with 313 337 R91) (2)	
56		HOSE w/o FITTINGS cut length 5/8" ID x 13-5/8" long (cut from bulk HOSE 319 710 R1)	331 775 R1	PAD, hydraulic hose clamp (2)	
	319 753 R1	FITTING, male pipe (2)	444 661	PLUG, 3/8" sq-soc pipe (used on units equipped with a thermo by-pass valve) L-150P 6501 to 10700	
57	338 624 R91	HOSE w/FITTINGS, reverse selector to manifold (HOSE, 1/2 x 40" long w/ FITTINGS)	345 810 R1	SEAL, dust baffle	
58	338 623 R91	HOSE w/FITTINGS, forward selector to manifold (HOSE, 1/2 x 44" long w/FITTINGS)	325 030 R1	SPACER, hydraulic valve	
59	702 199 C91	HOSE w/two FITTING, 319 753 R1, pressure filter to regulator (HOSE 5/8" ID x 17" long including FITTINGS)	346 822 R1	SPRING, safety and suction filter (used with FILTER, 610 794 C91) (2)	
59		HOSE w/o FITTINGS, cut length 5/8" ID x 13-5/8" long (cut from bulk HOSE, 319 710 R1)	291 572 R91	UNION, 90° adapter (3/4NPT) (used on units equipped with a thermo by-pass valve) L-150P 6501 to 10700	
	319 753 R1	FITTING, male pipe (2)	346 505 R91	UNION, 45° adapter (used on units equipped with a thermo by-pass valve) L-150P 6501 to 10700	
60	293 350 R91	UNION, 3/8NPT x 90° adapter			
61	347 521 R91	ADAPTER, safety filter to oil cooler inlet L-150P 10701 to 15423			
61	255 678 C1	NIPPLE, safety filter to oil cooler inlet L-150P 15424 up			
62	120 062	BUSHING, filter reducer pipe L-150P 10701 up			

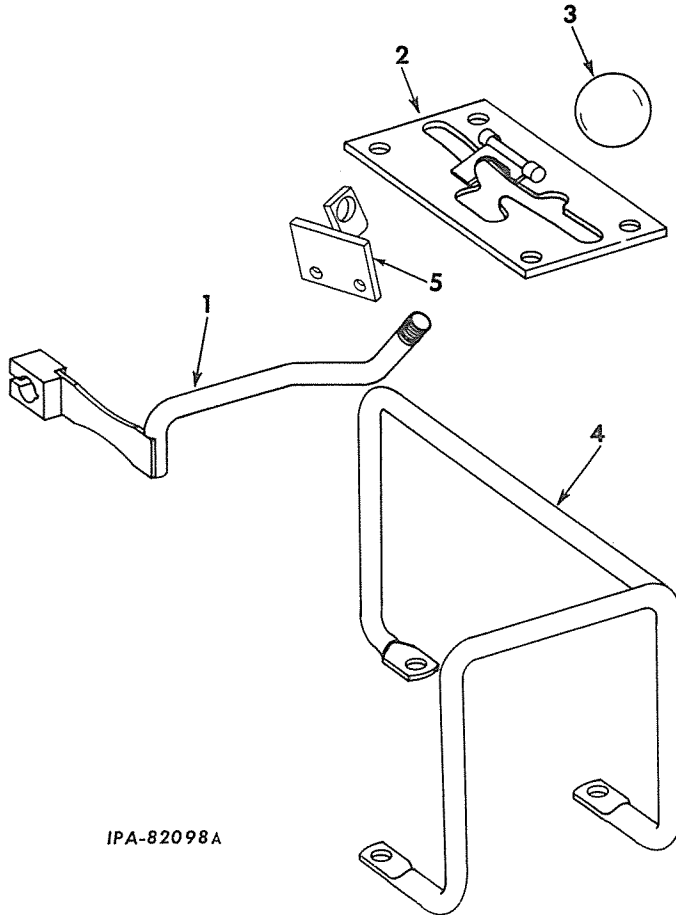
(x) - Order Cut Length Required.

# TRANSMISSION (USED ON POWER SHIFT LOADERS)



REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

## GEAR SELECTOR HAND LEVER, GUARD AND GATE



IPA-82098A

1	330 796 R12	LEVER, gear selector hand 3/8" NUT 3/8 x 2" hex-hd cap SCREW 3/8" lock WASHER
2	700 394 C1	GATE, gear selector hand lever (together with SWITCH, 700 395 C1, BRACKET, 700 393 C1 and two BOLT, 12 935 R1 will work for GATE, 330 799 R13, 604 852 C91 or 612 711 C91) 3/8" NUT (3) 3/8 x 7/8" hex-hd cap SCREW (3) 3/8" lock WASHER (3) 7/16 x 1" x 14 ga. WASHER (3)
3	264 055 R2	BALL, gear selector hand lever
4	331 962 R91	GUARD, gear selector hand lever 1/2" NUT 1/2 x 1" hex-hd cap SCREW 1/2" lock WASHER
5	700 393 C1	BRACKET, starting switch mounting (used only with SWITCH, 700 395 C91) (*)
	12 935 R1	BOLT (3)
	12 026 R1	WASHER (3 max. to each mounting bolt) (between Drott carrying frame and top torque converter cover) (x)

(\*) - Also Listed With "Electric Starting and Lighting."  
(x)- As Required.

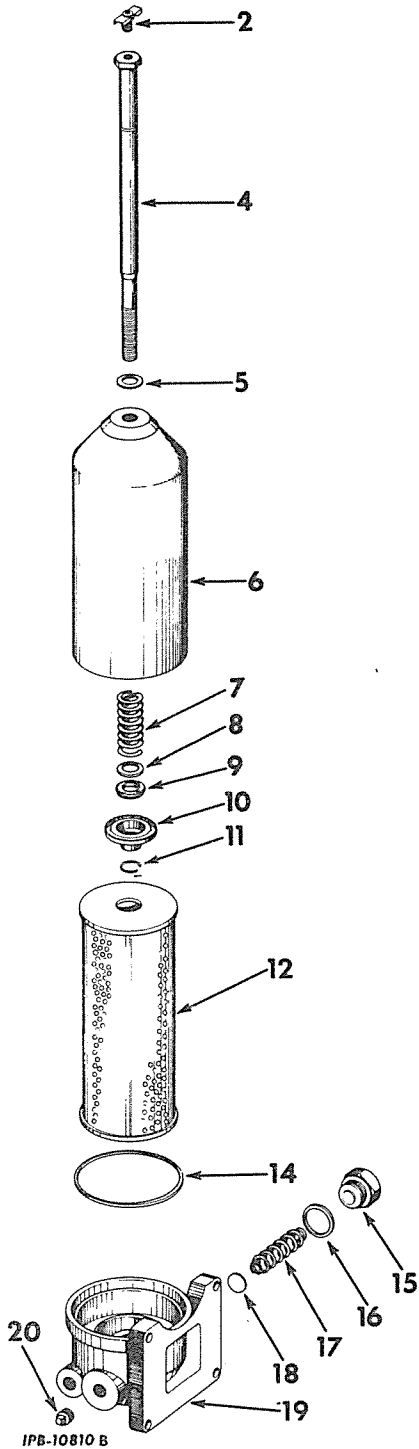
# TRANSMISSION (USED ON POWER SHIFT LOADERS)



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------	----------	-------------	-------------

PRESSURE FILTER (AC)

PRESSURE FILTER (AC) - Continued



1	333 719 R91	FILTER ASSY, pressure (5578951)
	102 635	3/8" NUT (4)
	179 841	3/8 x 1-1/4" hex-hd cap SCREW (4)
	615 031 R1	WASHER, 3/8" (4)
	103 321	3/8" lock WASHER (4) (Consists of the following parts -
2		VALVE, purge (Not Furnished Separately)
4		STUD, center (Not Furnished Separately)
5	302 567 R1	GASKET, oil filter shell stud
6		SHELL (Not Furnished Separately)
7	313 021 R1	SPRING, oil filter shell
8	302 570 R1	WASHER, oil filter shell
9	302 571 R1	SEAL, filter element retainer
10	302 572 R1	RETAINER, filter element
11	302 573 R1	RING, filter element snap
12	302 574 R91	PACKAGE, filter element field service (consists of ELEMENT, GASKET 302 567 R1 and GASKET 302 565 R1) (optional w/PACKAGE 613 797 C91)
12	613 797 C91	PACKAGE, filter element field service (consists of ELEMENT, GASKET 303 123 R1, and GASKET 306 330 R1) (PUROLATOR) (optional w/PACKAGE 302 574 R91)
14	302 565 R1	GASKET, oil filter base
15	338 754 R1	PLUG
16	338 751 R1	GASKET
17	338 752 R1	SPRING
18	338 753 R1	VALVE
19		BASE, oil filter (Not Furnished Separately)
20	444 577	PLUG, oil filter drain (1/4" NPT) (2)



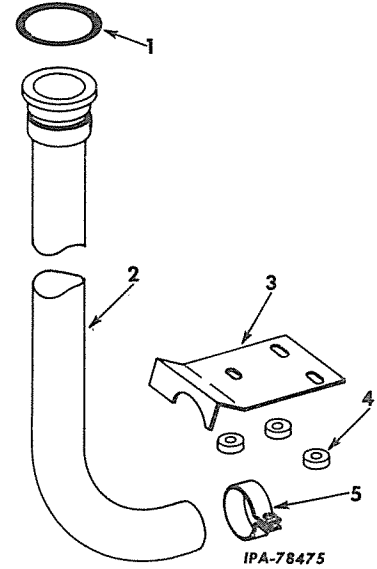
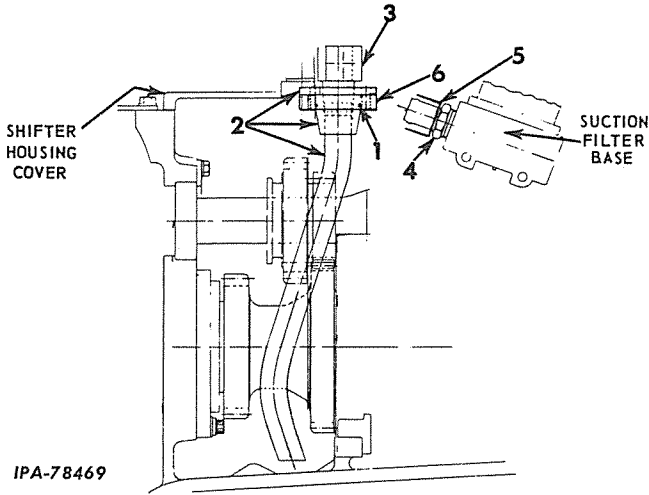
# TRANSMISSION (USED ON POWER SHIFT LOADERS)



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------	----------	-------------	-------------

TRANSMISSION SUMP TUBE AND RELATED PARTS  
(For Units Equipped With PACKAGE, 345 577 R91)  
L-150P 6501 to 8149

TRANSMISSION SUMP TUBE AND RELATED PARTS  
L-150P 8150 up



1	298 384 R1	"O" RING, 1-11/16 x 1-7/8 x 3/32" (tube flange)
2	345 576 R11	TUBE, sump 3/8 x 1" hex-hd cap SCREW
3	444 048	ELBOW, 90° automotive
4	343 834 R1	NIPPLE, hose (2)
5	272 281 R1	HOSE (molded)
6	345 574 R1	ADAPTER, sump tube
	279 027 R91	CLAMP, hose (2)
	604 365 C2	GASKET, shifter housing
	444 679	PLUG, 1" pipe

1	252 483 R1	"O" RING, 1-1/4" x 1-1/2 x 1/8" sump tube
2	338 151 R11	TUBE, sump
3	338 150 R1	BAFFLE, sump tube 3/8 x 1-1/4" hex-hd cap SCREW (3) 3/8" lock WASHER (3) 13/32 x 13/16" x 16 ga. WASHER (3)
4	253 729 R1	SPACER, baffle (3)
5	308 882 R1	CLAMP, sump tube

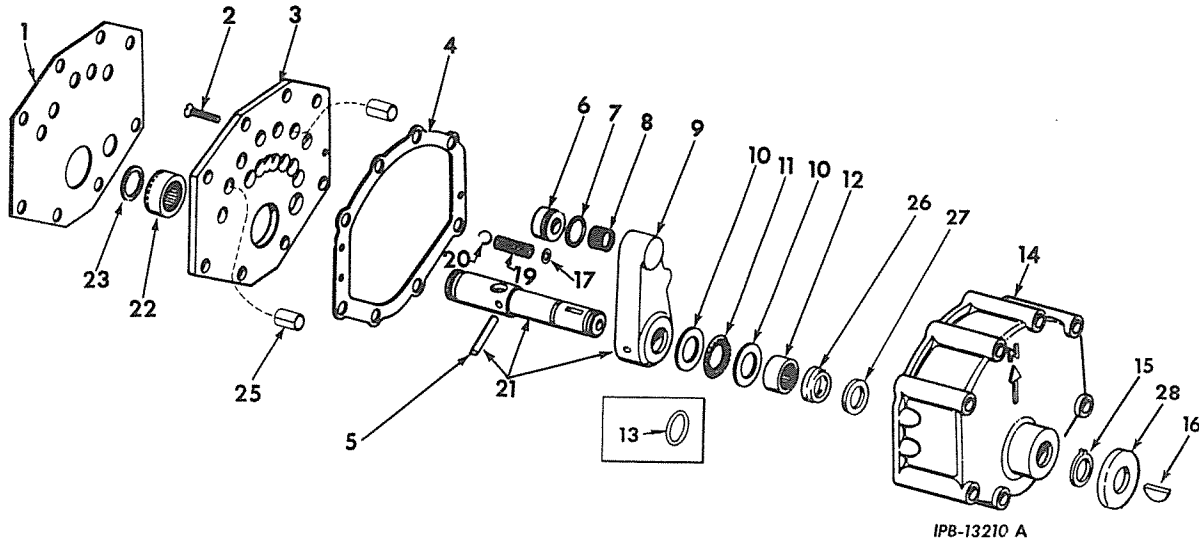
# TRANSMISSION (USED ON POWER SHIFT LOADERS)



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------	----------	-------------	-------------

RANGE SELECTOR VALVE  
(Rockford)

RANGE SELECTOR VALVE - Continued  
(Rockford)



1	324 021 R1	GASKET, valve plate	26	615 851 C1	SEAL, shaft L-150P 14001 up
2		SCREW, 1/4 x 3/4" fl-hd	27	615 850 C1	WASHER, seal back up L-150P 14001 up
3	606 068 C91	PLATE w/BEARING, 10 026 R and two PIN, 20 348 R1 selector valve	28	616 285 C1	SHIELD, range selector dust L-150P 14001 up
4	324 019 R1	GASKET, range selector valve	606 067 C92	VALVE ASSY, range selector (Composed of -	
5		PIN (Not Furnished Separately)	1	BALL	13 722 D
6	324 009 R1	WIPER, range selector valve	1	BEARING	276 578 R91
7	347 641 R1	"O" RING, wiper (3/4 x 7/8 x 1/16")	1	BEARING	324 105 R91
8	324 010 R1	SPRING, valve wiper	1	COVER	324 003 R1
9		VALVE (Not Furnished Separately)	1	GASKET	324 019 R1
10	324 004 R2	WASHER, thrust (2)	1	GASKET	324 021 R1
11	324 105 R91	BEARING, thrust needle	1	KEY	124 549
12	276 578 R91	BEARING	1	"O" RING	347 641 R1
13	324 030 R1	"O" RING, shaft (3/4 x 1 x 1/8") (order SEAL, 615 851 C1 and WASHER, 615 850 C1) L-150P 6501 to 14000	1	PLATE	606 068 C91
14	324 003 R1	COVER, range selector valve	1	RETAINER	324 013 R1
15	516 010 R1	RING, snap	1	RING	516 010 R1
16	124 549	KEY (Woodruff No. 9)	1	RING	324 022 R1
17	324 013 R1	RETAINER, spring	1	SEAL	616 851 C1
19	324 012 R1	SPRING, detent	1	SHAFT	324 006 R92
20	13 722 D	BALL, 1/2" dia detent spring	1	SPRING	324 010 R1
21	324 006 R92	SHAFT w/PIN and VALVE, range selector valve	1	SPRING	324 012 R1
22	10 026 R	BEARING, plate needle	1	WIPER	324 009 R1
23	324 022 R1	RING, piston hook type	2	WASHER	324 004 R2
25	20 348 R1	PIN, roll (selector valve plate) (2)	1	WASHER	616 850 C1 )
			606 067 C91	VALVE ASSY, range selector (order PACKAGE 703 239 C91)	



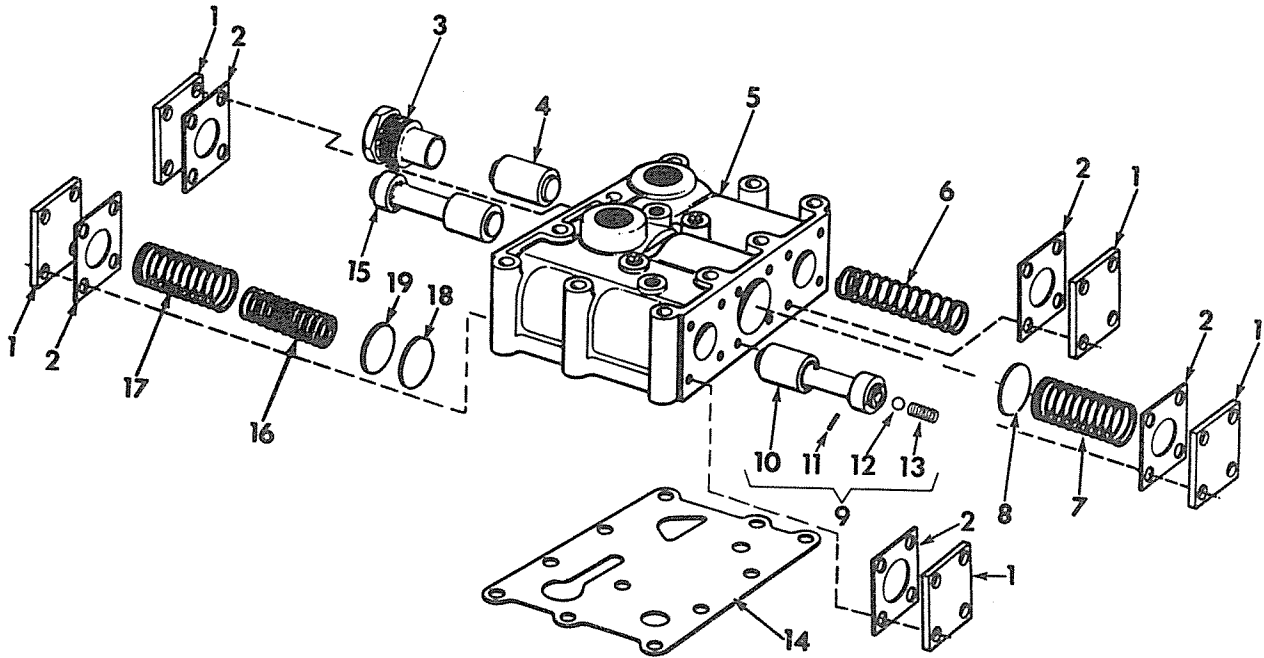
-99-  
**TRANSMISSION**  
 (USED ON POWER SHIFT LOADERS)



REF. PART NO.	PART NUMBER	DESCRIPTION	REF. PART NO.	PART NUMBER	DESCRIPTION
---------------	-------------	-------------	---------------	-------------	-------------

MAIN REGULATOR VALVE  
 (Rockford)

MAIN REGULATOR VALVE - Continued  
 (Rockford)



IPA-66252 G

1	321 991 R1	COVER, valve (A-300306) (5) 5/16 x 3/4" hex-hd cap SCREW w/lock WASHER (20)	15	321 998 R1	VALVE, by-pass (A-300304)
2	321 992 R1	GASKET, valve cover (A-300308) (5)	16	324 299 R1	SPRING, main pressure regulator (inner) (A-305698)
3	343 556 R1	PLUG (A-306587)	17	324 300 R1	SPRING, main regulator (A-305697)
4	321 994 R1	VALVE, lube pressure regulator (A-303280)	18	606 506 C1	WASHER, spring (A-30765700) (x)
5		BODY, main regulator valve (Not Furnished Separately)	19	321 997 R1	WASHER, spring (A-300305) (x)
6	336 103 R1	SPRING, lube valve (A-305966)		444 613	PLUG, 1/8" NPT sq-hd pipe (3)
7	338 415 R1	SPRING, by-pass valve (A-305879)		333 787 R92	VALVE ASSY, main regulator (C-305880)
8	321 997 R1	WASHER, (A-300305) (1)			(Composed of -
9	338 651 R94	VALVE ASSY, main spool (A-306707)			§ 1 BODY
10		VALVE, main spool (Not Furnished Separately)			5 COVER 321 991 R1
11	20 139 R1	PIN, main spool valve (A-306706)			5 GASKET 321 992 R1
12	346 509 R1	BALL, main spool valve (A-303641)			1 PLUG 343 556 R1
13	347 243 R1	SPRING, main spool valve (A-306946)			(x) WASHER 606 506 C1
14	325 040 R2	GASKET, main valve body (not part of VALVE ASSY, 333 787 R92)			3 PLUG 444 613
					1 SPRING 336 103 R1
					1 SPRING 338 415 R1
					1 SPRING 324 300 R1
					1 SPRING 324 299 R1
					1 VALVE 321 994 R1
					1 VALVE 321 998 R1
					1 VALVE 338 651 R94
					1 WASHER 321 997 R1 )
					3/8" NUT (11)
					3/8 x 4-3/4" hex-hd cap SCREW (11)
					3/8" lock WASHER (11)
					(x) - Order Cut Length Required.
					§ - Not Furnished Separately.

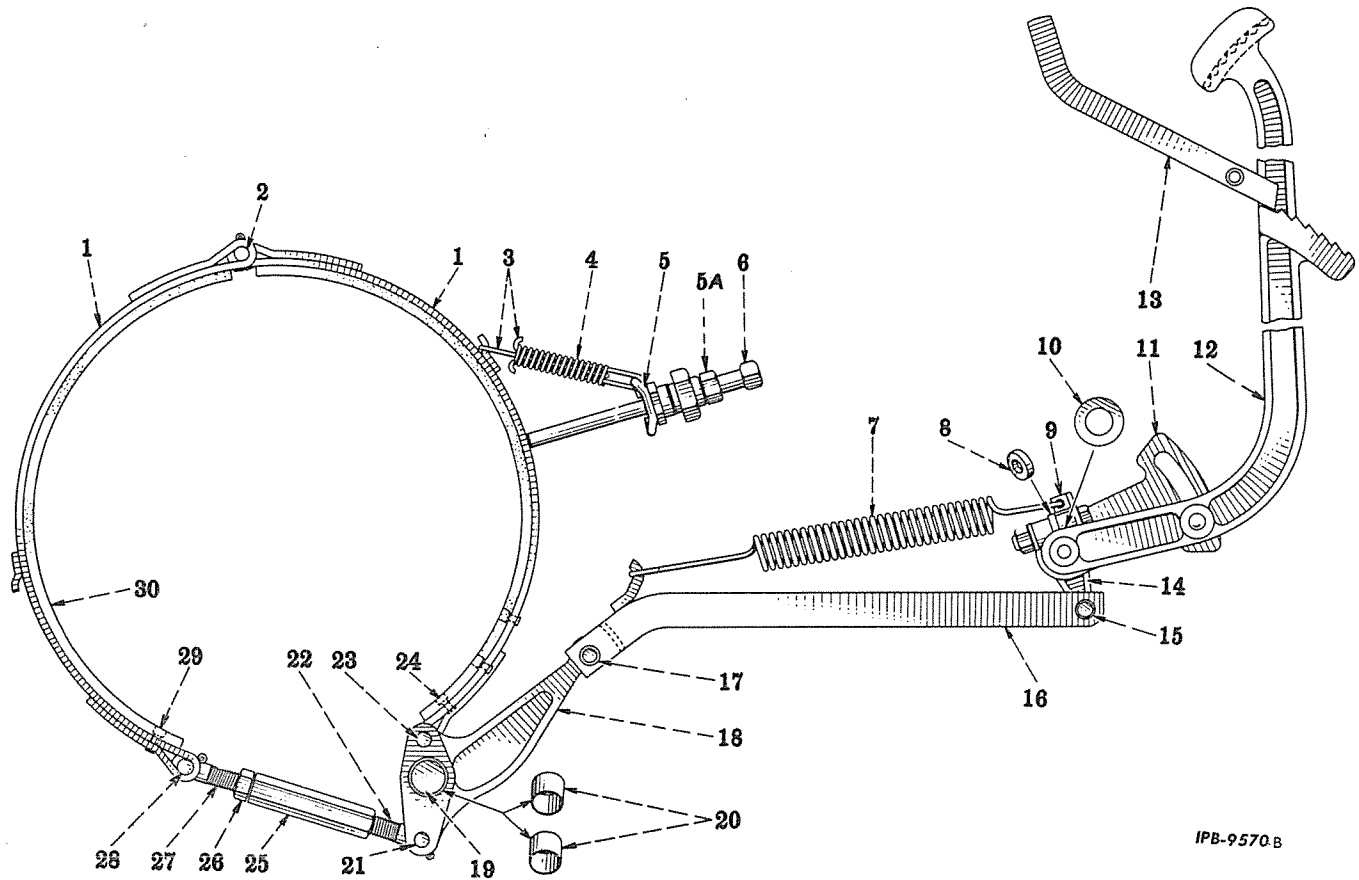
# STEERING SYSTEM



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------	----------	-------------	-------------

STEERING BRAKES AND CONTROLS

STEERING BRAKES AND CONTROLS - Continued



IPB-9570B

1	703 387 C91	BAND w/LINING (long life), twenty-two RIVET, 269 164 R1 and two RIVET, 274 164 R1 steering brake (4)	7	53 495 D	SPRING, steering brake rod return (2)
1	274 160 R91	BAND w/four LINING (high capacity), twenty-two RIVET, 269 164 R1 and two RIVET, 274 164 R1 steering brake (optional with 603 468 C91) (x)	8	20 841 D	KEY, steering brake lever (2)
1	603 468 C91	BAND w/four LINING (high capacity), twenty-two RIVET, 269 164 R1 and two RIVET, 274 164 R1 steering brake (optional with 274 160 R91) (x)	9	53 497 D	ANCHOR, steering brake rod return spring (2)
2	274 165 R1	PIN, steering brake band joint (2) 1/8 x 1-1/8" cotter PIN (2)	10	41 519 D	SEAL, steering brake pedal shaft dirt (2)
3	269 178 R1	HOOK, steering brake band anchor spring (4)	11	53 503 DA	SHAFT and ADJUSTER, LH steering brake pedal
4	269 177 R1	SPRING, steering brake band anchor (2)	11	53 504 DA	SHAFT and ADJUSTER, RH steering brake pedal
5	43 664 DC	ANCHOR, steering brake return spring (2) 1" jam NUT (2)	12	275 179 R2	PEDAL, LH steering brake
5A		NUT, 5/8" brake band set screw lock (2)	12	275 180 R2	PEDAL, RH steering brake 1/2NF x 1-1/2" hex-hd cap SCREW (2) 1/2NF x 2-3/4" hex-hd cap SCREW (2) 1/2" lock WASHER (4)
6	53 490 D	SCREW, steering brake band set (2)	13	304 768 R91	PAWL, LH steering brake ratchet

(x) - Order Cut Length Required.



# STEERING SYSTEM



REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

STEERING BRAKES AND CONTROLS - Continued

STEERING BRAKES AND CONTROLS - Continued

13	304 769 R91	PAWL, RH steering brake ratchet 1/8 x 5/8" cotter PIN (2)
14	8 444 DA	LEVER, steering brake (2) 1/2NF NUT (2) 1/2NF x 2-1/4" hex-hd cap SCREW (2) 1/2" lock WASHER (2)
15	103 498	PIN, 1/2" rod end (steering brake rod) (short) (2) 1/8 x 3/4" cotter PIN (2)
16	264 830 R21	ROD, steering brake (2)
17	275 734 R1 148 150	PIN, steering brake rod end (long) (2) SPRING, retainer (3/8" groove) (2)
18	274 167 R11	LEVER w/two BUSHINGS, 46 023 D, steering brake pivot (2)
19	274 698 R1	SHAFT, steering brake pivot (2)
20	46 023 D	BUSHING, steering brake pivot lever (4)
21	274 169 R1	PIN, steering brake band turnbuckle eye (short) (2) 1/8 x 1-1/8" cotter PIN (2)
22	274 168 R1	EYE, steering brake band turnbuckle (LH thread) (2)
23	274 165 R1	PIN, steering brake band pivot joint (2) 1/8 x 1-1/8" cotter PIN (2)
24	269 164 R1	RIVET, steering brake band (short) (88)
25	59 311 D	TURNBUCKLE, steering brake band (2)
26		Follows Reference No. 27
27	274 170 R1	EYE, steering brake band turnbuckle (RH thread) (2) 5/8NF NUT (2)
28	274 165 R1	PIN, steering brake band turnbuckle eye (long) (2) 1/8 x 1-1/8" cotter PIN (2)
29	274 164 R1	RIVET, steering brake band (long) (8)
30		LINING, steering brake band (order 274 166 R91) (16)
	105 422	ELBOW, steering brake pedal shaft lubrica- tion fitting (†)
	273 348	FITTING, steering brake pedal shaft lubrica- tion (Alemite 1684-B) (optional with 443 564) (†)
	443 564	FITTING, steering brake pedal shaft lubrica- tion (Lincoln 5009) (optional with 273 348) (†)
	127 743	FITTING, steering brake pedal shaft lubrica- tion (2)
	53 514 DB	LOCK, steering brake pedal adjuster (2)
	274 166 R91	PACKAGE, steering brake lining (high capacity) field service (consists of four LINING, twenty-two RIVET, 269 164 R1 and two RIVET, 274 164 R1) (for use with steering brake BAND, 274 160 R91) (4)
	604 942 C91	PACKAGE, steering brake lining (high capacity) field service (consists of four LINING, twenty-two RIVET, 269 164 R1 and two RIVET, 274 164 R1) (for use with steer- ing brake BAND, 603 468 C91) (4)
	703 388 C91	PACKAGE, steering brake lining (long life field service (consists of four LINING, twenty-two RIVET, 269 164 R1 and two RIVET, 274 164) (for use with steering brake BAND, 703 387 C91) (4)

274 699 R1	SPACER, steering brake pivot lever (2)
277 209 R1	STUD, steering brake pivot shaft (2) 1/2" lock WASHER (2)

(†) - Used On Power Shift Loaders.

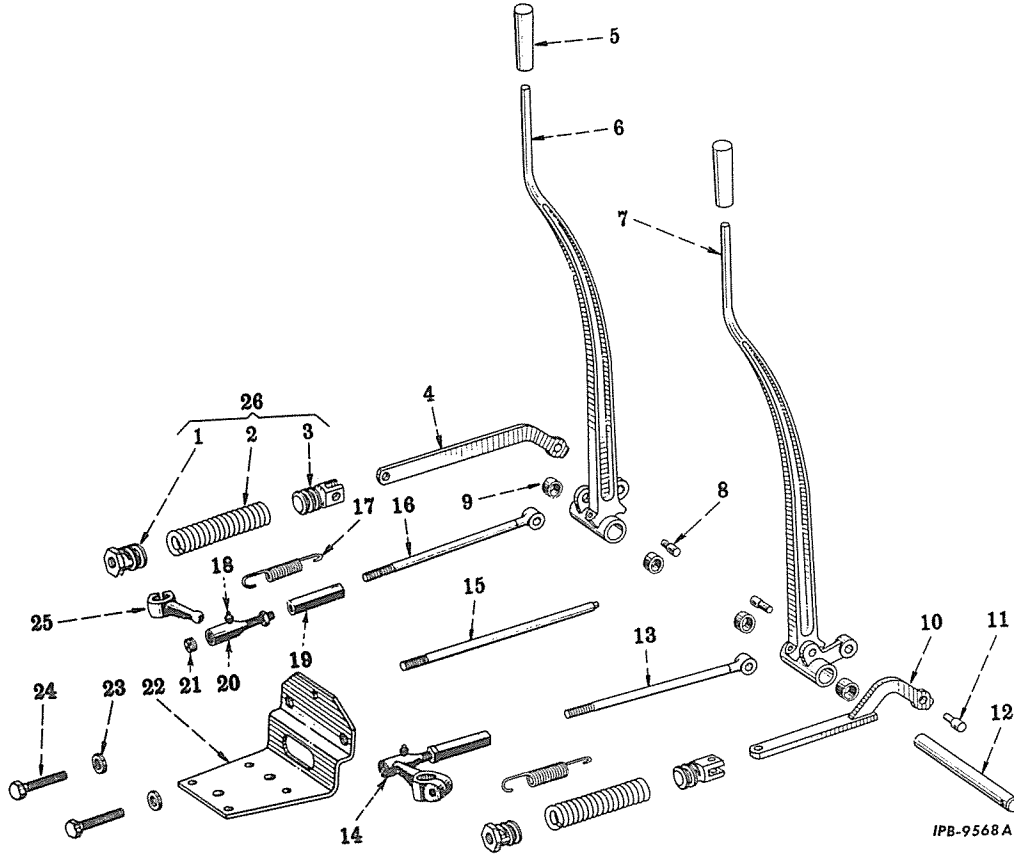
# STEERING SYSTEM



REF. PART NO.	PART NUMBER	DESCRIPTION	REF. PART NO.	PART NUMBER	DESCRIPTION
---------------	-------------	-------------	---------------	-------------	-------------

STEERING CLUTCH CONTROLS

STEERING CLUTCH CONTROLS - Continued



1	275 219 R1	NUT, steering clutch hand lever booster spring adjuster (2)	7	278 141 R11	LEVER ASSY, RH steering clutch hand (*) (Composed of -
2	275 218 R1	SPRING, steering clutch hand lever booster (2)			2 BUSHING 42 175 D
3	275 220 R1	YOKE, steering clutch hand lever booster spring (2)			1 EYE 275 785 R1
4	275 715 R1	LINK, LH steering clutch hand lever booster spring (order LINK, 604 737 C1, together with EYE, 275 784 R2, steering clutch operating turnbuckle)			1 HANDLE 619 405 C1
		L-150G 6519 to 11055			§1 LEVER 59 310 D
4	604 737 C1	LINK, LH steering clutch hand lever booster spring (together with EYE, 275 784 R2, will work for LINK, 275 715 R1)	271 500		1 PIN 257 620 R1)
	103 385	1/8 x 1" cotter PIN	179 860		7/16" NUT
	147 587	23/32 x 1-3/8" x 13 ga. WASHER			7/16 x 1-1/4" hex-hd cap SCREW
		L-150G 11056 up	7	327 981 R11	LEVER ASSY, RH steering clutch hand (†)
5	619 405 C1	HANDLE, steering clutch hand lever (2)			(Composed of -
6	278 140 R11	LEVER ASSY, LH steering clutch hand (Composed of -			2 BUSHING 42 175 D
		2 BUSHING 42 175 D			1 EYE 275 785 R1
		1 EYE 275 784 R2			§1 LEVER 59 310 D
		1 HANDLE 619 405 C1			1 PIN 257 620 R1)
		§1 LEVER 59 310 D			7/16" NUT
		1 PIN 257 620 R1)			7/16 x 1-1/4" hex-hd cap SCREW
	271 500	7/16" NUT	8	59 310 D	PIN, steering clutch operating turnbuckle eye (2)
	179 860	7/16 x 1-1/4" hex-hd cap SCREW	9	42 175 D	BUSHING, steering clutch hand lever (4)
			10	275 716 R91	LINK, RH steering clutch hand lever booster spring (*)
					§ - Not Furnished Separately.
					(†) - Used On Power Shift Loaders.
					(*) - Used On Manual Shift Loaders.



# STEERING SYSTEM



REF. NO.	PART NUMBER	DESCRIPTION
STEERING CLUTCH CONTROLS - Continued		
10	327 979 R1	LINK, RH steering clutch hand lever booster spring (†) 1/8 x 1" cotter PIN 23/32 x 1-3/8" x 13 ga. WASHER
11	257 620 R1	PIN, steering clutch booster link front (2)
12	275 217 R1	SHAFT, steering clutch hand lever 5/16 x 2" hex-hd cap SCREW 5/16" lock WASHER
13	275 785 R1	EYE, RH steering clutch operating turnbuckle 5/8NF jam NUT (LH thread)
14	59 313 D	SOCKET, RH steering clutch operating turnbuckle 5/8NF jam NUT
15	275 223 R1	BRACE, steering clutch hand lever booster spring anchor (*)
15	327 980 R1	BRACE, steering clutch hand lever booster spring anchor (†) 5/8" jam NUT (2)
16	275 784 R2	EYE, LH steering clutch operating turnbuckle 5/8NF jam NUT (LH thread)
17	59 315 D	SPRING, steering clutch release lever return (2)
18	109 461	FITTING, steering clutch operating turnbuckle socket lubrication (2)
19	59 311 D	TURNBUCKLE, steering clutch operating (2)
20	59 312 D	SOCKET, LH steering clutch operating turnbuckle 5/8NF jam NUT
21	59 314 D	PLUG, steering clutch operating turnbuckle socket (2) 1/8 x 1-1/2" cotter PIN (2)
22	275 224 R1	ANCHOR, steering clutch hand lever booster spring
	20 009 R1	SCREW, 7/16 x 1-1/2" hex-hd cap (4) L-150P 6501 to 9812 (4) L-150G 6519 to 9812
	20 050 R1	BOLT (nylock) (4) L-150P 9813 up (4) L-150G 9813 up 15/32 x 59/64" x 16 ga. WASHER (4)
23	257 625 R1	WASHER, steering clutch hand lever booster spring adjuster bolt (2)
24	275 222 R1	BOLT, steering clutch hand lever booster spring adjuster (2)
25	59 317 DA	LEVER, steering clutch release (2) 1/2NF NUT (2) 1/2NF x 2-1/2" hex-hd cap SCREW (2) 1/2" lock WASHER (2)
26	275 221 R91	SPRING w/NUT, 275 219 R1, SPRING, 275 218 R1 and YOKE, 275 220 R1, steering clutch hand lever booster (2) 1/2" rod end PIN (2) 1/8 x 7/8" cotter PIN (2)
	109 461	FITTING, steering clutch hand lever lubrication (2)
	109 454	FITTING, steering clutch operating turnbuckle eye lubrication (2)

(†) - Used On Power Shift Loaders.  
 (\*) - Used On Manual Shift Loaders.

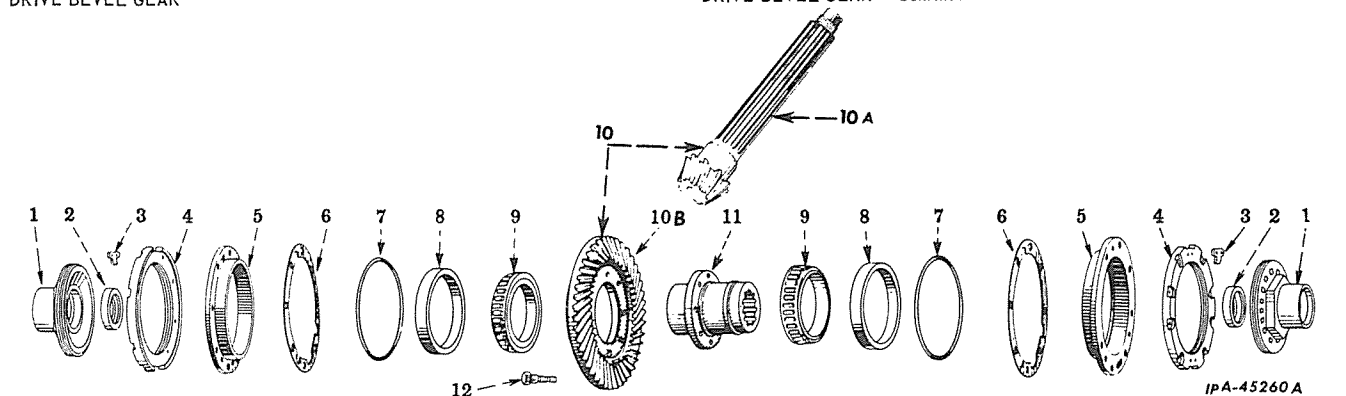
# STEERING SYSTEM



REF. PART NO.	PART NUMBER	DESCRIPTION	REF. PART NO.	PART NUMBER	DESCRIPTION
---------------	-------------	-------------	---------------	-------------	-------------

DRIVE BEVEL GEAR

DRIVE BEVEL GEAR - Continued



1	341 925 R1	ADJUSTER, drive bevel gear bearing (together with "O" RING, 264 270 R1, will work for ADJUSTER, 271 855 R4) (2)	10	609 969 C91	PINION and SHAFT, bevel, 609 968 C1 w/drive bevel GEAR 609 967 C1 (matched pair) (see NOTE 2) L-150P 8312, 8314, 8325, 8226 and 8415 up
2	313 913 R92	OIL SEAL, steering clutch shaft coupling (2)	10A		PINION and SHAFT, bevel (9T) (order PINION and SHAFT bevel w/drive bevel GEAR 279 339 R91) (See NOTE 1)
3	271 762 R1 311 269 R1 278 027 R1	LOCK, drive bevel gear bearing adjuster (2) SCREW, 3/8 x 1/2" hex-hd cap WIRE, bulk locking (No. 16 ga.) (customer must specify amount required)	10A	327 960 R1	PINION and SHAFT, bevel (9T) (order PINION, 609 968 C1, RETAINER 341 811 R1 and NUT, 20 017 R1) (see NOTE 2) L-150P 6501 to 8414 Except 8312, 8314, 8325 and 8326
4	271 856 R2	RING, drive bevel gear bearing adjuster (2)	10A	609 968 C1	PINION and SHAFT, bevel (9T) (see NOTE 2) L-150P 8312, 8314, 8325, 8326 and 8415 up
5	271 854 R1	CAGE, drive bevel gear bearing (2)	10B	279 338 R1	GEAR, drive bevel (38T) (see NOTE 1)
6	341 764 R1	GASKET, drive bevel gear bearing cage (2)	10B	609 967 C1	GEAR, drive bevel (38T) (see NOTE 2)
7	271 857 R2	"O" RING, drive bevel gear bearing adjuster sealing (2) (for use with ADJUSTER, 271 855 R4)	11	271 853 R1	HUB, drive bevel gear
7	264 270 R1	"O" RING, drive bevel gear bearing adjuster sealing (2) (for use with ADJUSTER, 341 925 R1)	12	274 075 R2	BOLT, drive bevel gear dowel (6)
8	272 120 R1	CUP, drive bevel gear bearing (2)		274 864 R1	BOLT, drive bevel gear bearing cage and adjuster ring (16)
9	272 119 R91	CONE, drive bevel gear bearing (2)		25 079 D	NUT, drive bevel gear dowel bolt (6)
10	279 339 R91	PINION and SHAFT, bevel w/drive bevel GEAR, 279 338 R1) (matched pair) (see NOTE)			
10	327 965 R92	PINION and SHAFT, bevel, 327 960 R1 w/drive bevel GEAR 609 967 C1 (matched pair) (order GEAR and PINION SET, 609 969 C91, RETAINER, 341 811 R1 and NUT, 20 017 R1) (see NOTE 2) L-150P 6501 to 8414 Except 8312, 8314, 8325, and 8326			

NOTE 1 - Used on Manual Shift Loaders. Also Listed and Illustrated Under Heading "TRANSMISSION, (Four Speeds Forward, Two Reverse) (Manual Shift)."

NOTE 2 - Used on Power Shift Loaders. Also Listed and Illustrated Under Heading "TRANSMISSION, COUNTERSHAFT, GEARS and RELATED PARTS."





MEMORANDA



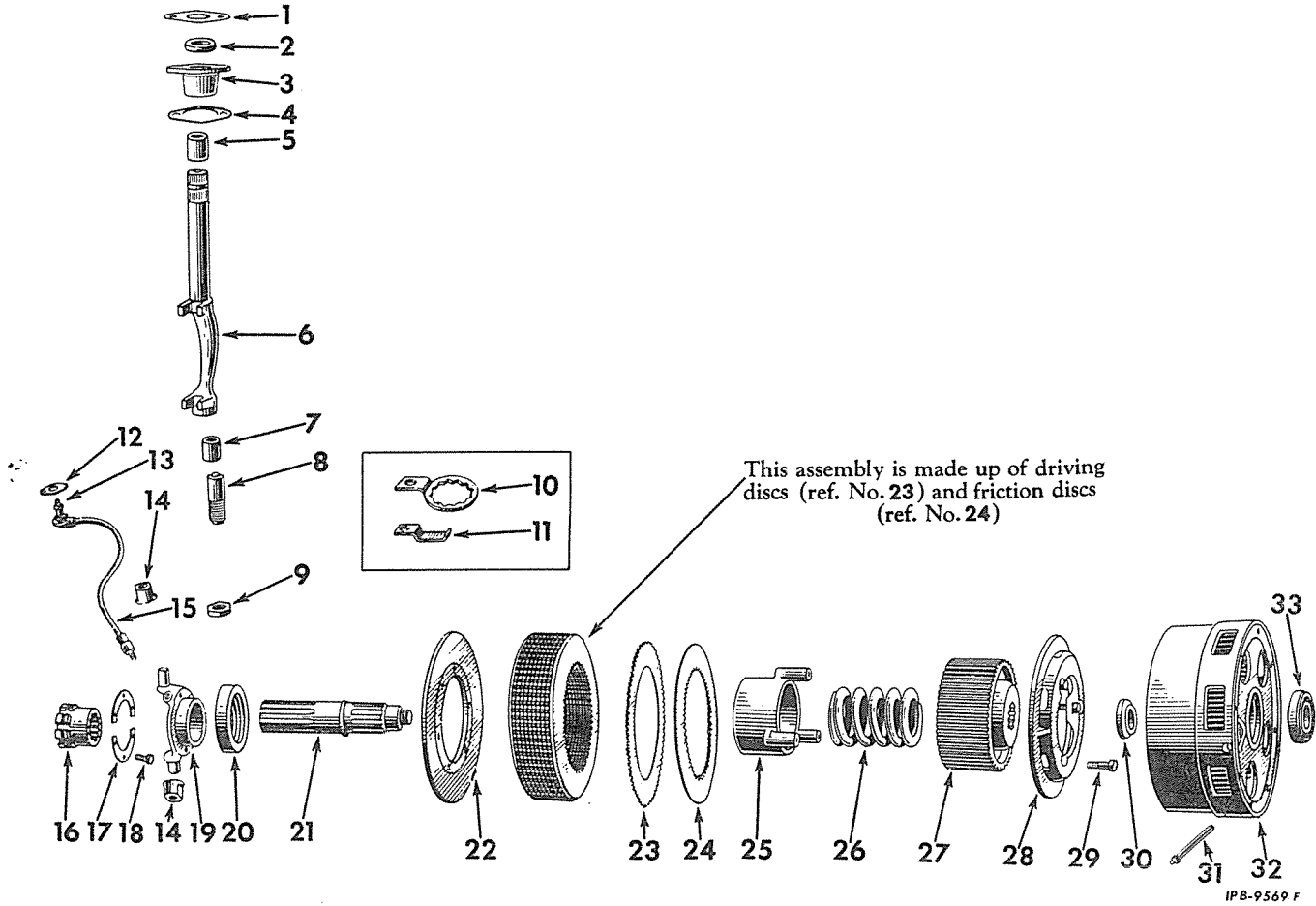
# STEERING SYSTEM



REF. PART NO.	PART NUMBER	DESCRIPTION	REF. PART NO.	PART NUMBER	DESCRIPTION
---------------	-------------	-------------	---------------	-------------	-------------

STEERING CLUTCH RELEASE SHAFT AND MECHANISM

STEERING CLUTCH RELEASE SHAFT AND MECHANISM - Continued



1	46 040 D	RETAINER, steering clutch release shaft bearing felt (2)	10	60 096 D	LOCK, steering clutch release fork pivot nut (2)
	871 570 R1	7/16 x 1" nylock BOLT (4)	11	60 095 D	LOCK, steering clutch release fork pivot (2)
2	46 038 D	FELT, steering clutch release shaft bearing (2)	12	282 233 R1	GASKET, release bearing grease tube (2)
3	604 366 C11	BEARING w/BUSHING, 53 597 D, steering clutch release shaft (2)	13	127 743	FITTING, steering clutch release bearing lubrication (2)
4	338 249 R1	GASKET, steering clutch release shaft	14	42 298 DB	BUSHING, steering clutch release pin (4)
5	53 597 D	BUSHING, steering clutch release shaft (2)	15	52 244 DX	TUBE w/COUPLING and BRACKET, steering clutch release bearing grease (2)
6	55 959 DD	FORK w/BUSHING, 55 955 DA and FITTING, 109 461 steering clutch release (2)		13 253 R1	BOLT, 1/4 x 1" sq-hd mach (4)
7	55 955 DA	BUSHING, steering clutch release fork pivot (2)			1/4" NUT (4)
					1/4" lock WASHER (4)
8	55 954 DA	PIVOT, steering clutch release fork (2)	16	254 967 R21	COUPLING w/PLUG, 324 745 R1, steering clutch shaft (6 T) (2)
9	47 726 D	NUT, steering clutch release fork pivot lock (2)	17	254 968 R1	RETAINER, steering clutch shaft coupling (4)



# STEERING SYSTEM



REF. NO.	PART NUMBER	DESCRIPTION
STEERING CLUTCH RELEASE SHAFT AND MECHANISM - Continued		
18	333 785 R1	BOLT, steering clutch shaft coupling retainer (12)
19	52 243 DAX	COLLAR w/PLUG, 103 883, steering clutch release (2)
20	55 745 D	BEARING, steering clutch release thrust (2)
21	258 277 R2	SHAFT, steering clutch (2)
22	6 470 D	PLATE, steering clutch hub (2) 7/16 x 1" hex-hd cap SCREW (12) 7/16" lock WASHER (12)
23	46 826 D	DISC, steering clutch driving (20 used on units not equipped with ATTACHMENT, 320 398 R91) (22 used on units equipped with ATTACHMENT, 320 398 R91)
24	624 849 C1	DISC, steering clutch friction (not used with ATTACHMENT, 320 398 R91) (22)
24	320 395 R91	DISC, steering clutch friction (used with ATTACHMENT, 320 398 R91) (24)
25	8 236 DA	RETAINER, steering clutch pressure spring (2)
26	54 610 DB	SPRING, steering clutch pressure (2)
27	8 238 DB	HUB, steering clutch (2)
28	8 237 DB	PLATE, steering clutch pressure (2)
29	54 969 D	BOLT, steering clutch pressure plate dowel (6)
30	52 239 D	SPACER, steering clutch pilot bearing (2)
31	46 831 D	FITTING, steering clutch pilot bearing lubrication (2)
32	8 235 DB 338 357 R1	DRUM, steering clutch (2) BOLT, steering clutch drum (16)
33	ST 333	BEARING, steering clutch pilot (2)
	109 461	FITTING, steering clutch release fork lubrication (2)
	105 404	NIPPLE, steering clutch release collar (1/8 x 3/4" long cloved nipple) (2)
	258 278 R1	NUT, steering clutch pilot bearing retainer (2)
	103 883	PLUG, 1/8" hdls steering clutch release collar pipe (2)
	324 745 R1	PLUG, steering clutch shaft coupling (2)
	320 398 R91	ATTACHMENT, bi-metallic steering clutch (consists of twenty-four DISC, 320 395 R91 and two DISC, 46 826 D) (see NOTE 3)

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

# TRACK DRIVE

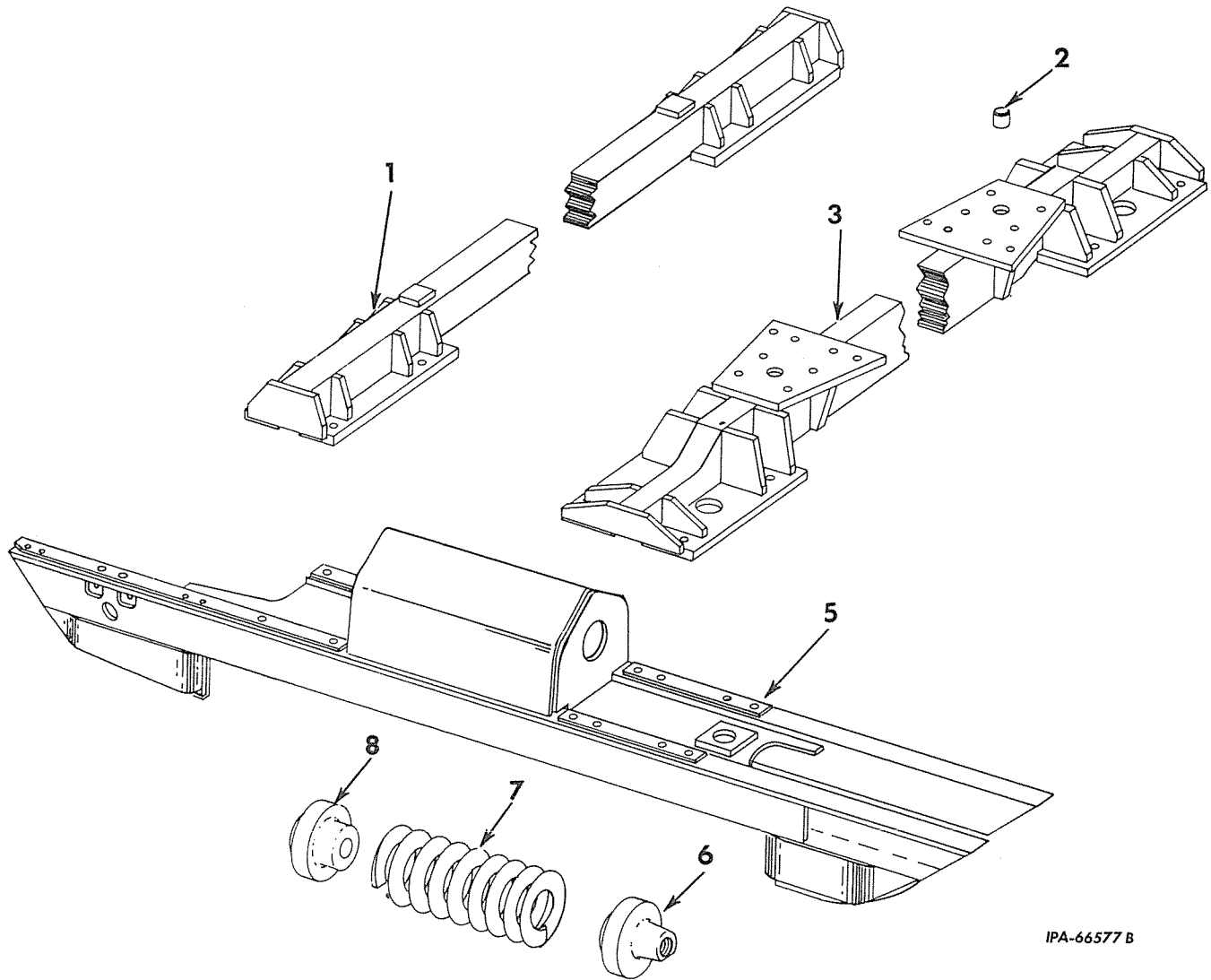


REF. PART  
NO. NUMBER DESCRIPTION

REF. PART  
NO. NUMBER DESCRIPTION

TRACK FRAME AND SPRING

TRACK FRAME AND SPRING - Continued



IPA-66577 B

1	330 600 R91	CROSSBAR, rigid rear 1 x 2" hex-hd cap SCREW (8)	5	327 978 R92	FRAME, RH track
2	330 845 R1	DOWEL, equipment mounting (2)	6	330 638 R1	SEAT, track spring front (2)
3	330 607 R91	CROSSBAR, rigid front 3/4 x 2" hex-hd cap SCREW (4) 1 x 2" hex-hd cap SCREW (16)	7	330 631 R1	SPRING, track (2)
5	327 977 R92	FRAME, LH track	8	330 637 R1	SEAT, track spring rear (2)
				334 420 R1	GUIDE, hydraulic track adjuster rod (2) 1/2 x 1-1/4" hex-hd cap SCREW (4) 1/2" lock WASHER (4)

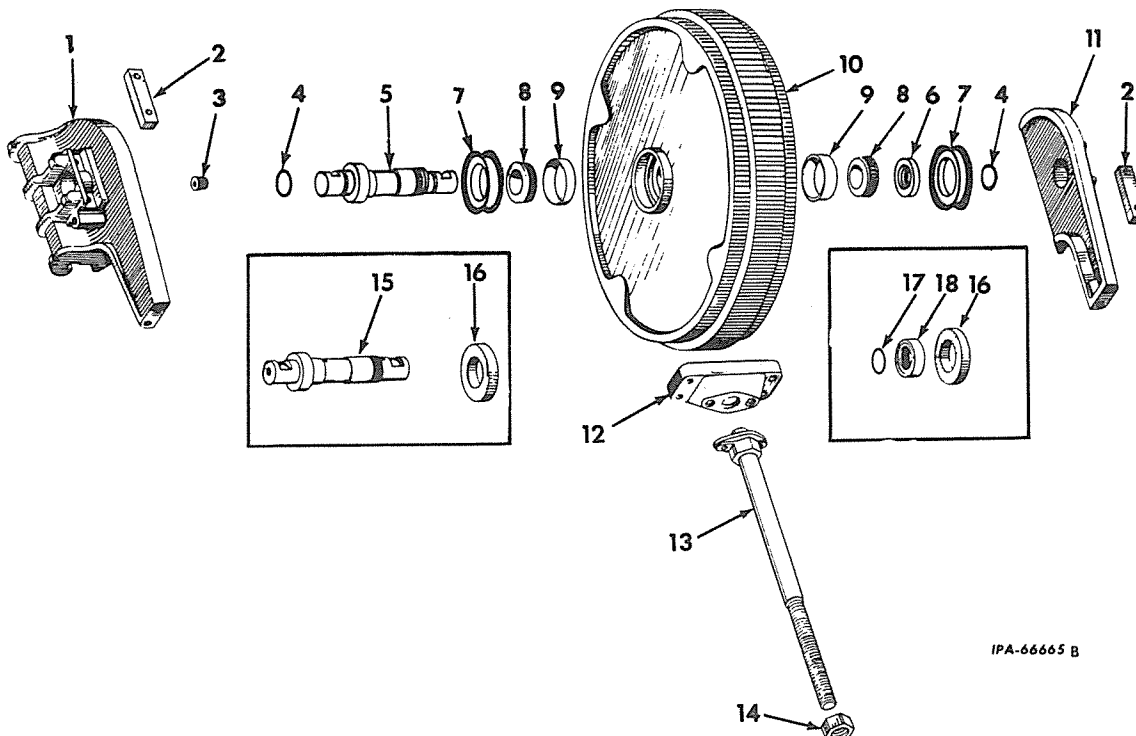
# TRACK DRIVE



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------	----------	-------------	-------------

FRONT IDLER

FRONT IDLER - Continued



IPA-6665 B

1	316 992 R2	GUIDE, LH front idler L-150G 6519 to 14000 L-150P 6501 to 14000	11	616 343 C1	GUIDE, RH front idler (2) L-150G 14001 up (2) L-150P 14001 up
1	616 342 C1	GUIDE, LH front idler (2) L-150G 14001 up (2) L-150P 14001 up	12	53 398 DA	PLATE, front idler guide cross (*) (2) 5/8 x 1-3/4" hex-hd SCREW (8)
2	263 441 R1	CLAMP, front idler shaft (4) 9/16 x 1-7/8" hex-hd cap SCREW (18) 9/16" lock WASHER (4)	13	330 635 R1	ADJUSTER, front idler (*) 1/2 x 1-1/4" hex-hd cap SCREW (4) 1/2" lock WASHER (4)
3	268 996 R1	PLUG, front idler lubrication (2)	14	266 068 R1	NUT, front idler adjuster locking (*) (2)
4	382 432 R1	"O" RING, 2 x 2-1/4 x 1/8" (2) L-150G 14001 up (2) L-150P 14001 up	15	316 991 R1	SHAFT, front idler L-150G 6519 to 14000 L-150P 6501 to 14000
5	616 344 C1	SHAFT, front idler (2) L-150G 14001 up (2) L-150P 14001 up	16	319 635 R91	OIL SEAL, front idler L-150G 6519 to 14000 L-150P 6501 to 14000
6	616 345 C1	NUT, front idler adjusting L-150G 14001 up L-150P 14001 up	17	321 736 R1	"O" RING, 2-1/2 x 2-3/4 x 1/8" (front idler nut)
7	604 187 C91	OIL SEAL w/PAMPHLET, 108 522 GR1, metal face type front idler (2) L-150G 14001 up (2) L-150P 14001 up	18	316 987 R1	NUT, front idler adjusting L-150G 6519 to 14000 L-150P 6501 to 14000
8	13 367 DC	CONE, front idler shaft roller bearing (4)	606 133 C91	PACKAGE, front idler oil seal field service (consists of WASHER, two BAND, two WIPER and PAMPHLET, 1 019 085 R1) (PACKAGE to be used to service OIL SEAL, 604 187 C91) (x) L-150G 14001 up (x) L-150P 14001 up	
9	13 363 D	CUP, front idler shaft roller bearing (4)	606 628 C91	PACKAGE, reunitionization band field service (consists of 50 RETAINER BANDS) (PACKAGE to be used to service OIL SEAL, 604 187 C91) (x) L-150G 14001 up (x) L-150P 14001 up	
10	316 988 R1	IDLER, front (2) L-150G 6519 to 14000 (2) L-150P 6501 to 14000			
10	616 339 C1	IDLER, front (2) L-150G 14001 up (2) L-150P 14001 up			
11	316 993 R2	GUIDE, RH front idler L-150G 6519 to 14000 L-150P 6501 to 14000			

(\*) - Not Used On Units Equipped With Hydraulic Track Adjuster.

# TRACK DRIVE

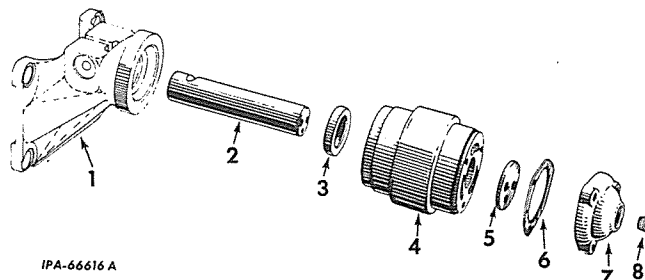


REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------	----------	-------------	-------------

### TRACK IDLER

1	330 721 R1	SUPPORT, track idler (2) 3/4 x 1-3/4" hex-hd cap SCREW (8)
2	307 041 R2	SHAFT, track idler (2) 1/2NF NUT (2) 1/2NF x 3-1/2" hex-hd cap SCREW (2) 1/2" lock WASHER (2)
3	321 292 R91	OIL SEAL, track idler (2)
4	320 641 R1	IDLER, track (2)
5	307 033 R2	WASHER, track idler thrust (2) 1/2NF x 1-1/4" hex-hd cap SCREW (4) 1/2" external tooth lock WASHER (4)
6	48 229 D	GASKET, track idler (2)
7	307 042 R2	CAP, track idler (2) 1/2 x 1-1/2" hex-hd cap SCREW (6) 1/2" lock WASHER (6)
8	271 647 R1	PLUG, 1" track idler lubrication (2)

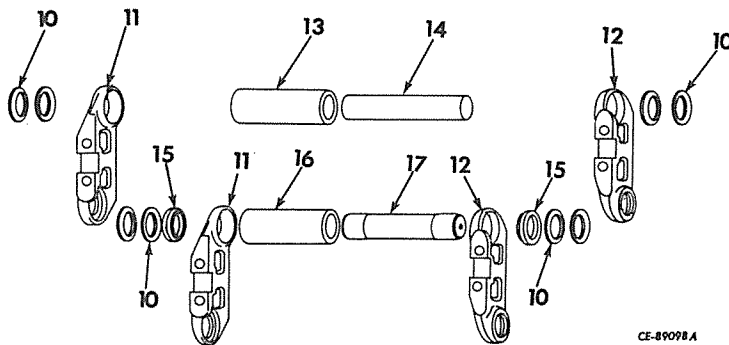
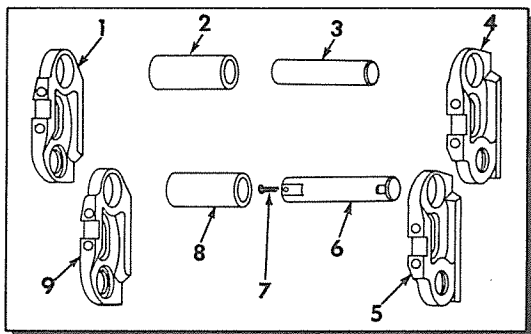
### TRACK IDLER-Continued



IPA-66616 A

### TRACK CHAIN AND TRACK CHAIN W/SHOES

### TRACK CHAIN AND TRACK CHAIN W/SHOES - Continued



CE-89098 A

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	316 846 R93	TRACK ASSY (less shoes) (2) L-150G 6519 to 14000 L-150P 6501 to 14000 (Order the following parts - 156 BOLT 616 191 C1 156 NUT 616 192 C1 1 TRACK 703 127 C91 )
B	703 127 C91	TRACK ASSY (less shoes) (2) L-150G 14001 up L-150P 14001 up

1	316 841 R3	LINK, LH MASTER TRACK (2 for track A)
2	621 299 C1	BUSHING, track link (70) (76*)
3	263 975 R1	PIN, track link (70) (76*)
4	316 742 R3	LINK, RH master track (2 for track A)
5	316 839 R3	LINK, LH track (10) (76*) (for track frame A)
6	263 976 R1	PIN, track master link (2 for track frame A)
7	19 795 R1	LOCKWIRE, track master link pin (2 for track frame A)
8	621 402 C1	BUSHING, track master link (2 for track frame A)



# TRACK DRIVE



REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

TRACK CHAIN AND TRACK CHAIN W/SHOES - Continued

9	316 840 R3	LINK, RH track (70) (76*) (2 for track A)
10	616 187 C1	SEAL, track chain bushing (156 for track B)
11	616 186 C1	LINK, track RH (39 for track B)
12	616 185 C1	LINK, track LH (39 for track B)
13	621 299 C1	BUSHING, track chain (38 for track B)
14	263 975 R1	PIN, track chain (38 for track B)
15	616 189 C1	SPACER, master link (2 for track B)
15	272 853 R2	SPACER, master link (used with PACKAGE, 272 858 R92) (2)
16	621 402 C1	BUSHING, track master (track B)
17	616 190 C1	PIN, master (track B)
	318 840 R95	CHAIN, track with shoes (15" overlapping flat low profile three grouser shoe) (*) (Composed of -
	156	BOLT 616 191 C1
	1	CHAIN 703 127 C91
	156	NUT 616 192 C1
	39	SHOE 277 507 R2
	272 858 R92	PACKAGE, track link bushing field service (consists of BUSHING, 263 974 R3, PIN, 263 975 R1 and two SPACER, 272 853 R2)

(\*) - Above CHAINS Service One Side of Tractors. Order Two Of Any Above To Service Both Sides Of Tractor.



-110B-  
**MEMORANDA**

---





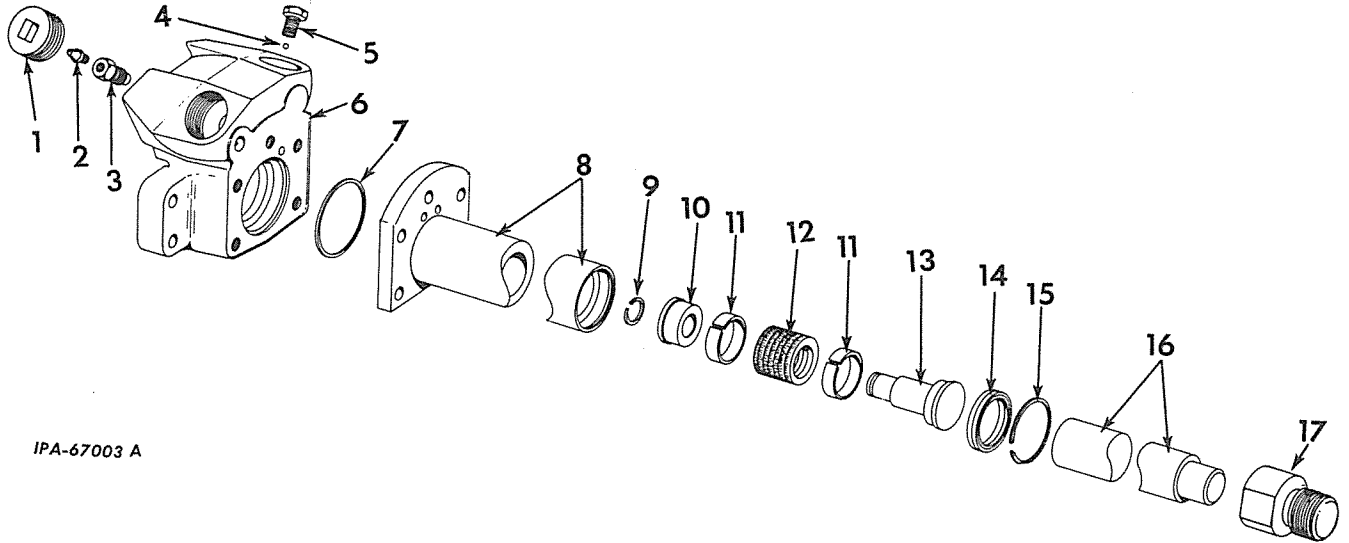
# TRACK DRIVE



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------	----------	-------------	-------------

HYDRAULIC TRACK ADJUSTER

HYDRAULIC TRACK ADJUSTER - Continued



IPA-67003 A

331 541 R91	ATTACHMENT, hydraulic track adjuster (see NOTES 1 and 3)	8	345 649 R91	CYLINDER, RH hydraulic track adjuster (Order the following parts - 1 CYLINDER 345 643 R91 1 PLATE 345 646 R1 5 BOLT 570 879 R1 1 "O" RING 606 170 C1 )	
1	21 501 R1	PLUG, 1-1/4" sq-soc pipe (2)	19 993 R1	SCREW, 1/2 x 2-3/4" hex-hd cap (4) 1/2" lock WASHER (4)	
2	109 461	FITTING, lubrication (2)	8	345 643 R91	CYLINDER, hydraulic track adjuster (2) L-150P 9005 up (2) L-150G 9005 up
3	319 628 R91	VALVE, check (2)	570 879 R1	5/8 x 2-1/4" BOLT (10)	
4	16 012 R1	BALL, 3/8" steel (2)	9	369 875 R1	RING, snap (2)
5	311 070 R1	BOLT, vent (2)	10	331 537 R1	END, hydraulic track adjuster piston (2)
6	331 539 R1	PLATE, cross LH (Order the following parts - 1 CYLINDER 345 643 R91 1 PLATE 345 645 R1 1 "O" RING 606 170 C1 5 BOLT 570 879 R1 )	11	338 393 R1	RING, piston wear (4)
6	331 540 R1	PLATE, cross RH (Order the following parts - 1 CYLINDER 345 643 R91 1 PLATE 345 646 R1 1 "O" RING 606 170 C1 5 BOLT 570 879 R1 )	12	338 391 R1	PACKING, hydraulic track adjuster (2)
6	345 645 R1	PLATE, cross LH	13	331 538 R1	BODY, piston hydraulic track adjuster (2)
6	345 646 R1	PLATE, cross RH L-150P 9005 up L-150G 9005 up 5/8 x 1-7/8" hex-hd cap SCREW (8)	14	338 392 R91	WIPER, seal (2)
7	606 170 C1	"O" RING, track adjuster sealing (2)	15	338 390 R1	RING, snap (2)
8	345 649 R91	CYLINDER, LH hydraulic track adjuster (Order the following parts - 1 CYLINDER 345 643 R91 1 PLATE 345 645 R1 5 BOLT 570 879 R1 1 "O" RING 606 170 C1 )	16	331 532 R2	ROD, hydraulic track adjuster (2)
19 993 R1	SCREW, 1/2 x 2-3/4" hex-hd cap (4) 1/2" lock WASHER (4)	17	331 531 R1	ADAPTER, hydraulic track adjuster rod (2)	

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



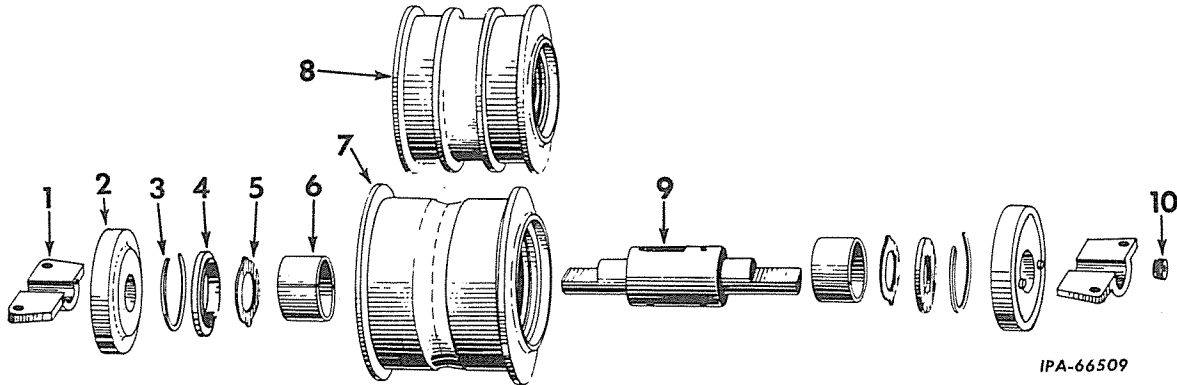
# TRACK DRIVE



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------	----------	-------------	-------------

TRACK ROLLER

TRACK ROLLER - Continued



IPA-66509

1	311 431 R1	BRACKET, track roller shaft (24) 1/2 x 1-1/2" hex-hd cap SCREW (48) 1/2" lock WASHER (48)	331 626 R92	PACKAGE, track roller oil seal field service (consists of RING, 331 408 R2 and OIL SEAL) (24)	
2		OIL SEAL, track roller (order PACKAGE, 331 626 R92) (24)	331 408 R2	RING, track roller oil seal (24)	
3	272 623 R2	RING, track roller retainer snap (24)	306 125 R92	ROLLER and SHAFT ASSY, track (single flange) (installed in positions 2, 4 and 5) (6) (Composed of -	
4	322 528 R1	RETAINER, track roller (24)	1	PLUG	268 996 R1
5	53 369 D	WASHER, track roller thrust (.083 - .085") (24)	2	RETAINER	322 528 R1
5	322 247 R1	WASHER, track roller thrust (.100 - .105") (X)	2	RING	272 623 R2
5	322 247 R1	WASHER, track roller thrust (.100 - .105") (X)	1	ROLLER	306 127 R92
5	322 247 R1	WASHER, track roller thrust (.100 - .105") (X)	1	SHAFT	304 915 R92
5	322 247 R1	WASHER, track roller thrust (.100 - .105") (X)	2	WASHER	53 369 D )
6	314 937 R91	BUSHING SET, track roller (set of two) (12)	306 126 R92	ROLLER and SHAFT ASSY, track (double flange) (installed in positions 1, 3 and 6) (6) (Composed of -	
7	306 127 R92	ROLLER w/ BUSHING SET, 314 937 R91, track (single flange) (6)	1	PLUG	268 996 R1
8	306 128 R92	ROLLER w/ BUSHING SET, 314 937 R91, track (double flange) (6)	2	RETAINER	322 528 R1
9	304 915 R92	SHAFT, track roller (12)	2	RINGS	272 623 R2
10	268 996 R1	PLUG, track roller shaft lubrication (12)	1	ROLLER	306 128 R92
			1	SHAFT	304 915 R92
			2	WASHER	53 369 D )

(X) - As Required.

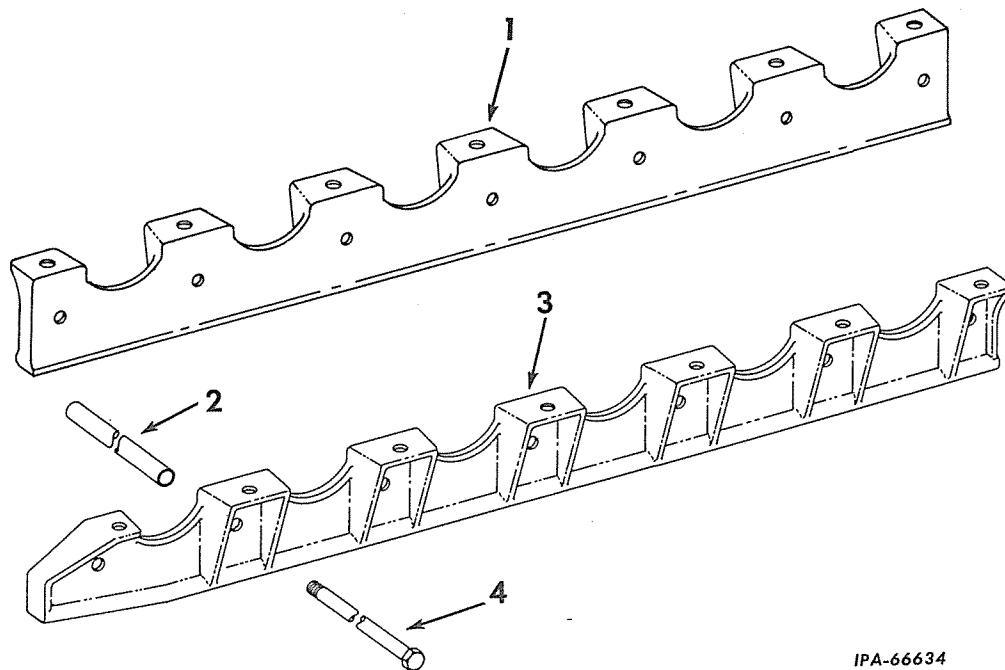
# TRACK DRIVE



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------	----------	-------------	-------------

TRACK ROLLER SHIELD

TRACK ROLLER SHIELD - Continued



IPA-66634

	325 981 R92	ATTACHMENT, track roller shield (see NOTES 1 and 3)	3	331 131 R1	SHIELD, inner LH track roller
1	331 133 R2	SHIELD, outer track roller (2) 5/8 x 1-1/4" hex-hd cap SCREW (14) 21/32 x 1-5/16 x 13 ga. WASHER (14)	3	331 132 R1	SHIELD, inner RH track roller 5/8 x 1-1/4" hex-hd cap SCREW (14) 21/32 x 1-5/16 x 13 ga. WASHER (14)
2	331 604 R2	SPACER, track roller shield (14)	4	18 749 R1	BOLT, track roller shield spacer (14) 3/4NF NUT (14)

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



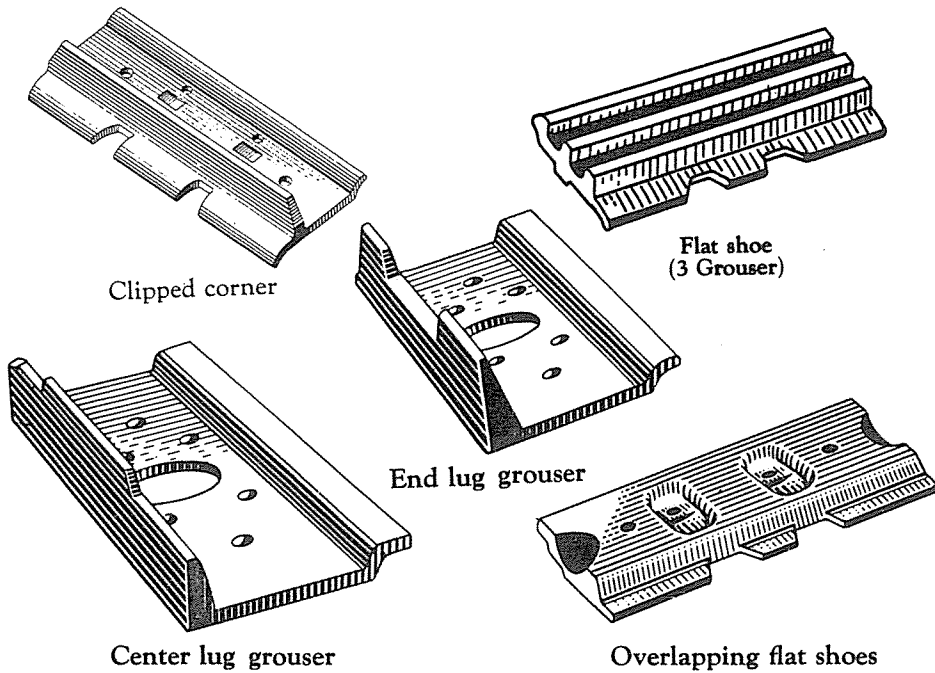
# TRACK DRIVE



REF. PART NO. NUMBER	DESCRIPTION	REF. PART NO. NUMBER	DESCRIPTION
----------------------	-------------	----------------------	-------------

TRACK SHOES

TRACK SHOES - Continued



IPA-66960 A

### CLIPPED CORNER

49 472 DD	SHOE, track 15" (part of ATTACHMENT, 609 681 C92 (78)
316 843 R2	BOLT, track shoe
273 871 R1	NUT, track shoe bolt (See NOTE 5) (312) L150G 6519 to 14000 (312) L150P 6501 to 14000
616 191 C1	BOLT, track shoe
616 192 C1	NUT, track shoe bolt (312) L150G 14001 Up (312) L150P 14001 Up
609 681 C92	ATTACHMENT, track shoe (includes 78 SHOE 49 472 DD, 312 BOLT, 616 191 C1, and 312 NUT 616 192 C1) (See NOTES 1, 3 and 4)

### FLAT SHOE

9 245 DA	SHOE, track 15" (part of ATTACHMENT 303 645 R92) (78)
258 874 R1	SHOE, track 15" (part of ATTACHMENT 303 644 R92) (78)
277 507 R2	SHOE, track 15" (Standard) (78)
316 843 R2	BOLT, track shoe
273 871 R1	NUT, track shoe bolt (See NOTE 5) (312) L150G 6519 to 14000 (312) L150P 6501 to 14000
616 191 C1	BOLT, track shoe
616 192 C1	NUT, track shoe bolt (312) L150G 14001 Up (312) L150P 14001 Up

### STAGGERED LUG GROUSER

57 515 DA	SHOE, track 15" (center lug grouser) (part of ATTACHMENT, 303 646 R92) (39)
57 516 DA	SHOE, track 15" (end lug grouser) (part of ATTACHMENT 303 646 R92) (39)
316 843 R2	BOLT, track shoe
273 871 R1	NUT, track shoe bolt (See NOTE 5) (312) L150G 6519 to 14000 (312) L150P 6501 to 14000
616 191 C1	BOLT, track shoe
616 192 C1	NUT, track shoe bolt (312) L150G 14001 Up (312) L150P 14001 Up
303 646 R92	ATTACHMENT, track shoe (includes 39 SHOE 57 515 DA, 39 SHOE 57 516 DA, 312 BOLT 616 191 C1 and 312 NUT 616 192 C1) (See NOTES 1, 3 and 4)

303 645 R92	ATTACHMENT, track shoe (includes 78 SHOE 9 245 DA, 312 BOLT 616 191 C1 and 312 NUT 616 192 C1) (See NOTE 3)
303 644 R92	ATTACHMENT, track shoe (includes 78 SHOE 258 874 R1, 312 BOLT 616 191 C1 and 312 NUT 616 192 C1) (See NOTES 1 and 3)

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

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

NOTE 4 - These Attachments Can Be Furnished Only With The Approval Of The Construction Equipment Engineering Department.

NOTE 5 - Square Type Track Shoe Bolt Nut 263 981 R1 also Available For Service in Place of Hex Type 273 871 R1.

MEMORANDA



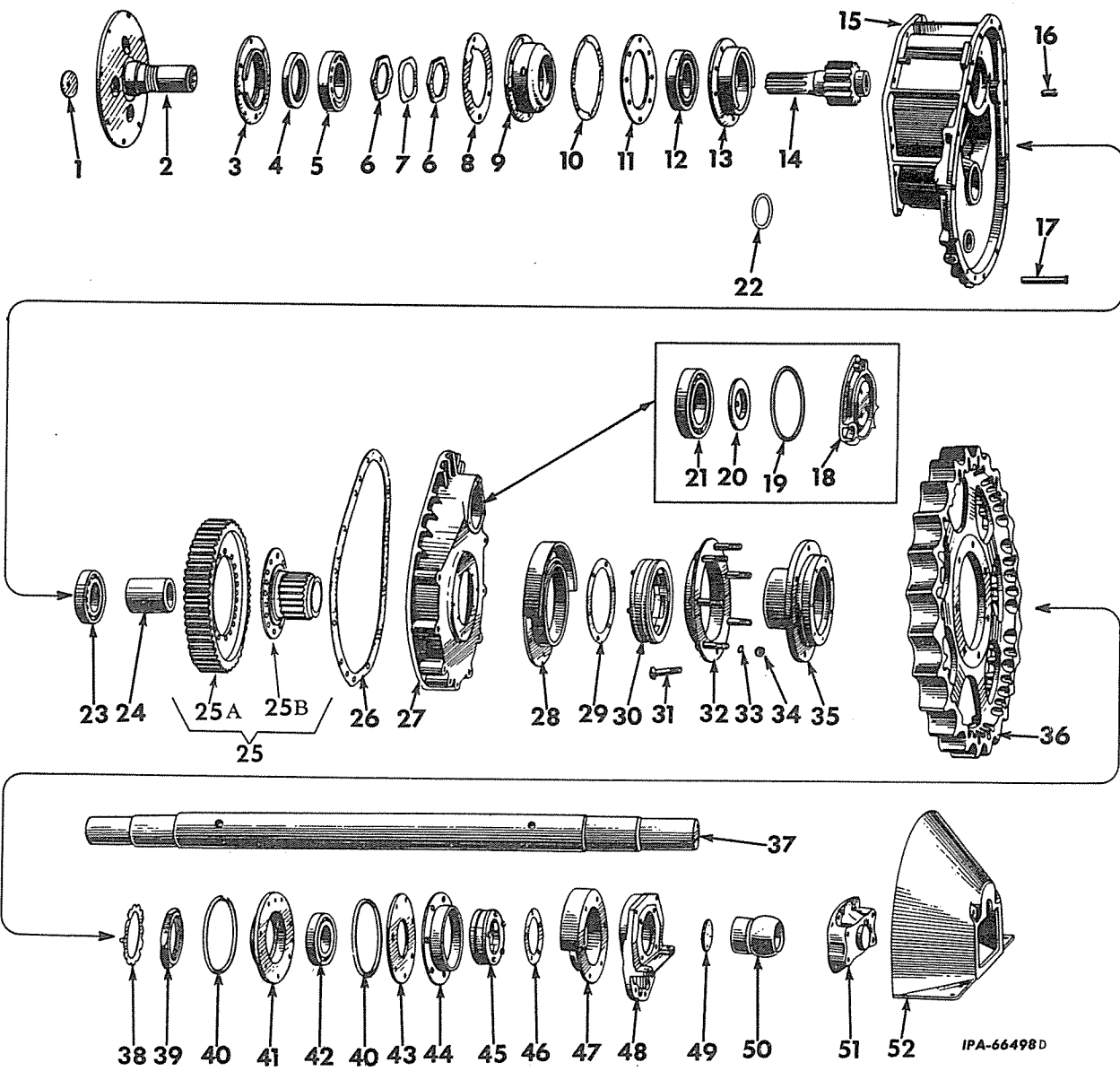
# FINAL DRIVE



REF. PART NO.	PART NUMBER	DESCRIPTION	REF. PART NO.	PART NUMBER	DESCRIPTION
---------------	-------------	-------------	---------------	-------------	-------------

SPROCKET DRIVE, SHAFT, PINION, SPROCKET AND TRACK FRAME PIVOT SHAFT

SPROCKET DRIVE, SHAFT, PINION, SPROCKET AND TRACK FRAME PIVOT SHAFT - Continued



1	172 599	PLUG, steering clutch support shaft (expansion 2-3/8") (2)	4	310 514 R91	OIL SEAL, steering clutch support shaft (2)
2	52 210 DAXA	SHAFT w/PLUG, 172 599 and two NUTS, 54 013 D sprocket drive pinion (2)	5	ST 276	BEARING, steering clutch support (2)
3	8 508 DA	RETAINER, steering clutch support bearing (2) 3/8 x 1-3/8" hex-hd cap SCREW (8) 3/8" lock WASHER (8)	6	54 013 D	NUT, steering clutch support bearing (4)
			7	54 016 D	LOCK, steering clutch support bearing nut (2)
			8	54 004 D	GASKET, steering clutch support bearing retainer (2)

## FINAL DRIVE



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
SPROCKET DRIVE, SHAFT, PINION, SPROCKET AND TRACK FRAME PIVOT SHAFT - Continued			SPROCKET DRIVE, SHAFT, PINION, SPROCKET AND TRACK FRAME PIVOT SHAFT - Continued		
9	275 600 R1	CAGE, LH steering clutch support bearing	29	313 190 R1	GASKET, sprocket drive oil seal snap-on (2)
9	275 601 R1	CAGE, RH steering clutch support bearing	30	313 205 R91	OIL SEAL, sprocket drive (2)
10	54 003 D	GASKET, steering clutch support bearing cage (2)	31	52 226 DA	BOLT, sprocket carrier (14)
11	54 010 D	RETAINER, sprocket drive pinion inner bearing (2) 3/8 x 1-1/4" hex-hd cap SCREW (4) 3/8" lock WASHER (4)	32	52 222 D	DEFLECTOR, sprocket drive oil seal dirt (2)
12	ST 655	BEARING, sprocket drive pinion inner (*) (2)	33		WASHER, lock sprocket carrier bolt (external-tooth 5/8") (14)
12	333 703 R91	BEARING, sprocket drive pinion inner (†) (2)	34	32 454 D	NUT, sprocket carrier bolt (14)
13	8 509 D	CAGE, sprocket drive pinion inner bearing (2)	35	52 229 DA	CARRIER, sprocket (2)
14	306 896 R1	PINION, sprocket drive (11 T) (2)	36	8 450 DC	SPROCKET (27 T) (not cutaway) (2)
15	8511 DEX	CARRIER w/two PLUG 9 409 949, PLUG 18 524 R1 and GASKET 142 756 (2) (Order the following - 1 CARRIER 8511 DFX 9 SCREW, 3/8 x 3" hex-hd cap (type 4) 9 WASHER, 13/32 x 1" x 4 ga. flat	36	8 775 DC	SPROCKET (cutaway) (27 T) (2)
15	8511 DFX	CARRIER w/two PLUG 9 409 949, PLUG 18 524 R1 and GASKET 142 756 (together w/9 SCREW, 3/8 x 3" hex-hd cap (type 4) and 9 WASHER, 13/32 x 1" x 4 ga. flat, will work for CARRIER, 8511 DEX) (see NOTE)(2)	37	260 894 R1	SHAFT, track frame pivot
18 524 R1		PLUG, 1-1/4" sq-soc stl pipe (filler plug)(4)	38	46 795 D	LOCK, sprocket drive gear carrier nut (2)
9 409 949		PLUG, 3/4" sq-soc stl pipe (drain plug) (2) 1/2 x 1-3/8" hex-hd cap SCREW (32) 1/2" lock WASHER (32)	39	46 794 DA	NUT, sprocket drive gear carrier (2)
16	22 977 DA	PIN, sprocket drive gear housing to carrier dowel, upper (4)	40	264 263 R1	RING, sprocket drive gear outer bearing cage, packing (outer ring) (2)
17	54 007 D	PIN, lower sprocket drive gear housing to carrier dowel (2)	40	264 262 R1	RING, sprocket drive gear outer bearing cage packing (inner ring) (2)
18	306 897 R1	CAP, sprocket drive pinion outer bearing (2) 1/2 x 1-1/4" hex-hd cap SCREW (6) 1/2" lock WASHER (6)	41	264 261 R3	CAGE, sprocket drive gear outer bearing (2)
19	264 123 R1	"O" RING, 5-1/8 x 5-3/8 x 1/8" sprocket drive pinion outer bearing cap (2)	42	ST 684	BEARING, outer sprocket drive gear (2)
20	46 821 D	RETAINER, sprocket drive pinion outer bearing (Manual Shift Loaders Only) (2) 7/16 x 1-1/4" hex-hd cap SCREW (4) 7/16" lock WASHER (4)	43	54 514 D	RETAINER, sprocket drive gear outer bearing (2)
21	ST 655	BEARING, sprocket drive pinion outer (*) (2)	44	54 515 D	DEFLECTOR, track frame pivot oil seal dirt (2)
21	333 703 R91	BEARING, sprocket drive pinion outer (†) (2)	264 259 R1		BOLT, sprocket drive gear outer bearing retainer (14) 7/16" external-tooth lock WASHER (14)
22	295 762 R1	RING, track frame pivot shaft oil seal (2)	45	313 206 R91	OIL SEAL, track frame pivot (2)
23	278 063 R91	BEARING, inner sprocket drive gear (2)	46	313 191 R1	GASKET, track frame pivot oil seal snap-on (2)
24	52 225 D	SPACER, sprocket drive gear bearing (2)	47	46 800 D	GUARD w/INNER and outer dirt deflectors track frame pivot oil seal (2) 3/8 x 5/8" hex-hd cap SCREW (12) 3/8" lock WASHER (12)
25	306 899 R91	GEAR, sprocket drive (58 T) (2) (consists of GEAR, 306 898 R2, CARRIER, 52 228 DD and RIVET, 264 156 R1)	48	266 059 R2	BRACKET, track frame pivot (2)
25A	306 898 R2	GEAR, 58 teeth (2)	262 650 R1		BOLT, track frame pivot bracket (top) (4)
25B	52 228 DD	CARRIER, 24 teeth (2)	266 060 R1		BOLT, track frame pivot bracket (side) (6)
	264 156 R1	RIVET, 1/2 x 1-7/8" (40)	262 651 R1		NUT, track frame pivot bracket top bolt (4)
26	54 012 D	GASKET, sprocket drive gear housing (2)	45 293 D		NUT, track frame pivot bracket side (6)
27	306 700 R1	HOUSING, outer sprocket drive gear (2) L-150G 6519 to 15558 L-150P 6501 to 15558 1/2NF NUT (16) 1/2NF x 1-1/2" hex-hd cap SCREW (12) 1/2NF x 2-3/4" hex-hd cap SCREW (4) 1/2 x 3-3/4" hex-hd cap SCREW (18) 1/2" lock WASHER (34)	49	261 289 R1	SHIM, track frame pivot bearing (heavy) (12)
27	624 539 C1	HOUSING, outer sprocket drive gear L-150G 15559 up L-150P 15559 up 1/2NF NUT (16) 1/2NF x 1-1/2" hex-hd cap SCREW (12) 1/2 x 2-3/4" hex-hd cap SCREW (4) 1/2NF x 2-3/4" hex-hd cap SCREW (4) 1/2" lock WASHER (16)	49	261 290 R1	SHIM, track frame pivot bearing (light) (8)
28	52 231 D	GUARD w/INNER and OUTER dirt reflectors sprocket drive oil seal (2) 3/8 x 3/4" hex-hd cap SCREW (12) 3/8" lock WASHER (12)	50	260 892 R2	BEARING, track frame pivot (2) 5/8NF x 1-1/2" hex-hd cap SCREW (4)
			51	8 461 DA	CAP, track frame pivot bracket (2)
			271 664 R1		BOLT, track frame pivot bracket cap (8)
			104 940		CORK (No. 4 5/8" dia x 1-3/16" long) (4)
					NOTE - When CARRIER, 8 511 DFX Is Furnished On Units Equipped With Sprocket Drive Housing Shield Attachment, 331 548 R91, New Collar, 259 896 R1, Must Be Furnished Along With New Carrier.
					(*) - Used On Manual Shift Loaders.
					(†) - Used On Power Shift Loaders.

# FINAL DRIVE



REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

SPROCKET DRIVE, SHAFT, PINION, SPROCKET  
AND TRACK FRAME PIVOT SHAFT - Continued

52	53 539 DBX	SHIELD w/SUPPORT and SPACER, sprocket (2) 1/2" NUT (4) 7/16 x 1-3/4" hex-hd cap SCREW (4) 1/2 x 1" hex-hd cap SCREW (4) 1/2 x 1-1/2" hex-hd cap SCREW (4) 7/16" lock WASHER (4) 1/2" lock WASHER (8)
	57 536 DA	ATTACHMENT, cutaway sprocket (consists of two SPROCKETS, 8 775 DC and two LOCKWIRE, 263 945 R1) (see NOTE 4)
142 756		GASKET, sprocket drive oil filler plug (2)
103 883		PLUG, 1/8" pipe (optional with 219 187) (2)
219 187		PLUG, 1/8" pipe (optional with 103 883) (2)
46 821 D		RETAINER, sprocket drive pinion outer bearing (2) 7/16NF x 1-1/4" hex-hd cap SCREW (4) 7/16" lock WASHER (4)
46 809 D		SCREW, set, track frame pivot shaft (2) 5/8" jam NUT (2)
263 945 R1		LOCKWIRE, track master link pin (2)

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





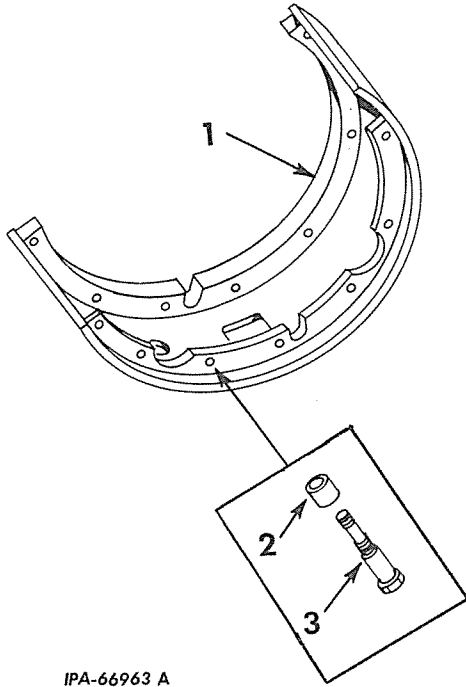
# FINAL DRIVE



REF. PART NO.	PART NUMBER	DESCRIPTION	REF. PART NO.	PART NUMBER	DESCRIPTION
---------------	-------------	-------------	---------------	-------------	-------------

### SPROCKET DRIVE HOUSING SHIELD

### SPROCKET DRIVE HOUSING SHIELD - Continued



IPA-66963 A

3	624 541 C1	BOLT, sprocket drive housing shield 13/32 x 1" x 4 ga. flat WASHER 3/8" lock WASHER 3/8" NUT (14) L-150G 15559 up (14) L-150P 15559 up
603 492 C91	PACKAGE, LH rockshield field service L-150G 6519 to 7982 L-150P 6501 to 7982 (Composed of - 2 BOLT 257 785 R1 2 COLLAR 257 786 R1 2 COLLAR, 3/8" extra strong pipe x 5/8" long) 1 SHIELD 331 544 R11)	
603 493 C91	PACKAGE, RH rockshield field service L-150G 6519 to 7982 L-150P 6501 to 7982 (Composed of - 2 BOLT 257 785 R1 2 COLLAR 257 786 R1 2 COLLAR, 3/8" extra strong pipe 5/8" long) 1 SHIELD 331 545 R11)	
1 019 026 R1	PAMPHLET, installation (ATTACHMENT, 331 548 R91)	
331 548 R91	ATTACHMENT, sprocket drive housing shield (see NOTE 3) L-150G 6519 to 15558 L-150P 6501 to 15558	
624 540 C91	ATTACHMENT, sprocket drive housing shield (see NOTES 1 and 3) L-150G 15559 up L-150P 15559 up	
1	331 544 R11	SHIELD, LH sprocket drive housing
1	331 545 R11	SHIELD, RH sprocket drive housing
2	257 786 R1	COLLAR, sprocket drive housing shield (10) L-150G 6519 to 7247 (10) L-150P 6501 to 7247
2		COLLAR, sprocket drive housing shield (3/8" extra strong pipe x 5/8" long, obtain locally) (10) L-150G 7248 to 7982 (10) L-150P 7248 to 7982 (14) L-150G 7983 up (14) L-150P 7983 up
3	257 785 R1	BOLT, sprocket drive housing shield 3/8NF NUT 3/8" external tooth lock WASHER (10) L-150G 6519 to 7982 (10) L-150P 6501 to 7982 (14) L-150G 7983 to 15558 (14) L-150P 7983 to 15558

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



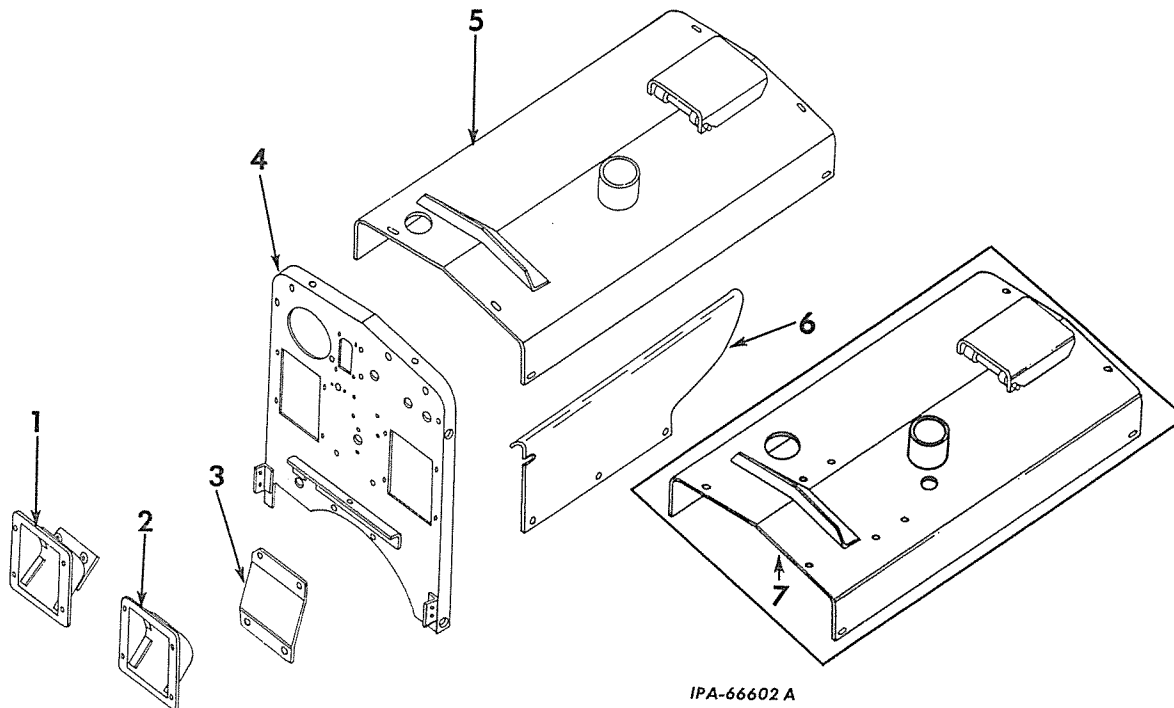
# SHEET METAL, HOOD, SIDE SHEETS AND SIDE DOORS



REF. PART NO.	PART NUMBER	DESCRIPTION	REF. PART NO.	PART NUMBER	DESCRIPTION
---------------	-------------	-------------	---------------	-------------	-------------

HOOD, DASH AND ENGINE SIDE SHEETS

HOOD, DASH AND ENGINE SIDE SHEETS - Continued



IPA-66602 A

Parts without letters after the description indicates the part is used for all "Hood, Dash and Engine Side Sheets Service Parts" listed below: Letters A, B, C, D and E are used to identify separate "Service Parts".

A Service Parts for Hood, Dash and Engine Side Sheets (used on power shift loader equipped with Roosa-Master fuel injection pump)

L-150P 6501 to 15964  
Also 15994 to 16217  
except 15996

B Service parts for Hood, Dash and Engine Side Sheets (used on manual shift loader equipped with Roosa-Master fuel injection pump)

L-150G 6519 to 15964  
Also 15994 to 16217  
except 15996

C Service parts for Hood, Dash and Engine Side Sheets (used on power shift loader equipped with International R.D. fuel injection pump)

D Service parts for Hood, Dash and Engine Side Sheets (used on manual shift loader equipped with International R.D. fuel injection pump)

E Service parts for Hood, Dash and Engine Side Sheets (used on power shift loader with Roosa-Master or International R.D. fuel injection pump and equipped w/altitude compensation attachment)

F Service parts for Hood, Dash and Engine Side Sheets (used on power shift loader equipped with Roosa-Master fuel injection pump)

L-150P 15965 to 15993  
And 16218 up  
Also 15996

G Service parts for Hood, Dash and Engine Side Sheets (used on manual shift loader equipped with Roosa-Master fuel injection pump)

L-150G 15966 to 15993  
And 16218 up  
Also 15996

1	330 750 R92	POCKET, dash foot (RH) (Service Parts A, B, C, D, F, and G)
	25 519 R1	1/4" NUT
	25 752 R1	1/4 x 1/2" hex-hd cap SCREW (3)
	25 483 R1	1/4 x 1" hex-hd cap SCREW
	115 109	1/4" lock WASHER (4)
1	331 715 R91	POCKET, dash foot (RH) (Service Parts E)
	25 752 R1	1/4 x 1/2" hex-hd cap SCREW (4)
	115 109	1/4" lock WASHER (4)
2	330 749 R92	POCKET, dash foot (LH) (Service Parts A, B, C and D)
	25 752 R1	1/4 x 1/2" hex-hd cap SCREW (4)
	115 109	1/4" lock WASHER (4)
2	331 704 R91	POCKET, dash foot (LH) (Service Parts E)
	25 752 R1	1/4 x 1/2" hex-hd cap SCREW (4)
	115 109	1/4" lock WASHER (4)
2	624 902 C91	POCKET, dash foot (LH) (Service Parts F and G)
	25 752 R1	1/4 x 1/2" hex-hd cap SCREW (4)
	115 109	1/4" lock WASHER (4)
3	306 876 R1	PLATE, dash support
	25 526 R1	1/2" NUT (2)
	24 859 R1	1/2 x 3/4" hex-hd cap SCREW (2)
	24 861 R1	1/2 x 1-1/4" hex-hd cap SCREW (2)
	116 121	1/2" lock WASHER (4)
4	331 415 R11	DASH (Service Parts C and D)
4	338 102 R31	DASH (Service Parts A and B)
4	338 103 R41	DASH (Service Parts E, F and G)
	179 882	1/2 x 1-1/8" hex-hd cap SCREW (2)
	271 562	5/8 x 2" hex-hd cap SCREW (2)
	116 121	1/2" lock WASHER (2)
	106 265	9/16 x 1-3/8" x 12 ga. WASHER (X)
5	331 413 R11	HOOD, heavy (not used on loaders equipped with heavy duty air cleaner) (Service Parts A and C)

(X) - As Required.



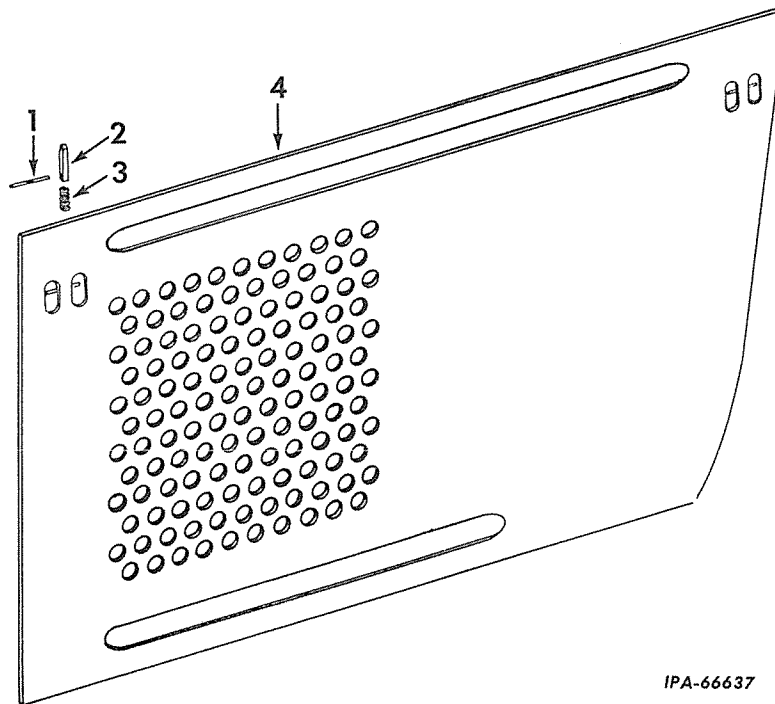
# SHEET METAL, HOOD, SIDE SHEETS AND SIDE DOORS



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HOOD, DASH AND ENGINE SIDE SHEETS - Continued			HOOD, DASH AND ENGINE SIDE SHEETS - Continued		
5	331 414 R11	HOOD, heavy (Not used on loaders equipped with heavy duty air cleaner) (Service Parts B and D)	6	331 765 R11	SHEET, engine side (RH)
5	331 728 R11	SHEET, hood (not heavy hood) (not used with heavy duty air cleaner) (Service Parts E)	25 522 R1		3/8" NUT (4 for Service Parts A and B; 2 for Service Parts C, D and E)
5	624 905 C1	HOOD, heavy (not used on loaders equipped with heavy duty air cleaner) (Service Parts F)	24 839 R1		3/8 x 3/4" hex-hd cap SCREW (8 for Service Parts A and B; 6 for Service Parts C, D and E)
	24 860 R1	1/2 x 1" hex-hd cap SCREW (rear) (4)	25 496 R1		3/8 x 7/8" hex-hd cap SCREW (2)
	24 861 R1	1/2 x 1-1/4" hex-hd cap SCREW (front) (4)	103 341		13/32 x 13/16" x 16 ga. WASHER (2)
	116 121	1/2" lock WASHER (8)	115 093		3/8" lock WASHER (10 for Service Parts A and B; 8 for Service Parts C, D and E)
	5 035	17/32 x 1-1/16" x 13 ga. WASHER (8)	7	609 826 C11	HOOD, heavy (used on loaders equipped with heavy duty air cleaner) (Service Parts B, D and E)
5	624 907 C1	HOOD, heavy (not used on loaders equipped with heavy duty air cleaner) (Service Parts G)	7	609 828 C11	HOOD, heavy (used on loaders equipped with heavy duty air cleaner) (Service Parts A and C)
	24 860 R1	1/2 x 1" hex-hd cap SCREW (rear) (4)		127 741	PLUG, button (Service Parts B and D)
	24 861 R1	1/2 x 1-1/4" hex-hd cap SCREW (front) (4)		104 249	RIVET, radiator cap shield spring (1/4 x 1/2")
	116 121	1/2" lock WASHER (8)			
	5 035	17/32 x 1-1/16" x 13 ga. WASHER (8)			
6	331 764 R11	SHEET, engine side (LH)			

HOOD SIDE DOORS

HOOD SIDE DOORS - Continued



IPA-66637

331 648 R91	ATTACHMENT, hood side doors (see NOTE 1 and 3) (Consists of the following parts)	4	331 646 R11	DOOR ASSY, RH hood side (Composed of -	
1	278 508 R1	PIN, hood side door latch (4)	2	BODY	278 506 R1
2	278 507 R1	PLUNGER, hood side door latch (4)	2	PIN	278 508 R1
3	278 509 R1	SPRINGER, hood side door latch (4)	2	PLUNGER	278 507 R1
			2	SPACER	331 647 R1
			2	SPRING	278 509 R1)
4	331 645 R11	DOOR ASSY, LH hood side (Composed of -	278 506 R1	BODY, hood side door latch (4)	
	2	BODY	278 506 R1		
	2	PIN	278 508 R1		
	2	PLUNGER	278 507 R1		
	2	SPACER	331 647 R1		
	2	SPRING	278 509 R1)		
			331 647 R1	SPACER, hood side door latch (4)	
				NOTE 1 - Factory Application - Order On Machine Order Form.	
				NOTE 3 - Field Application - Order Through Regular Service Parts Channels.	



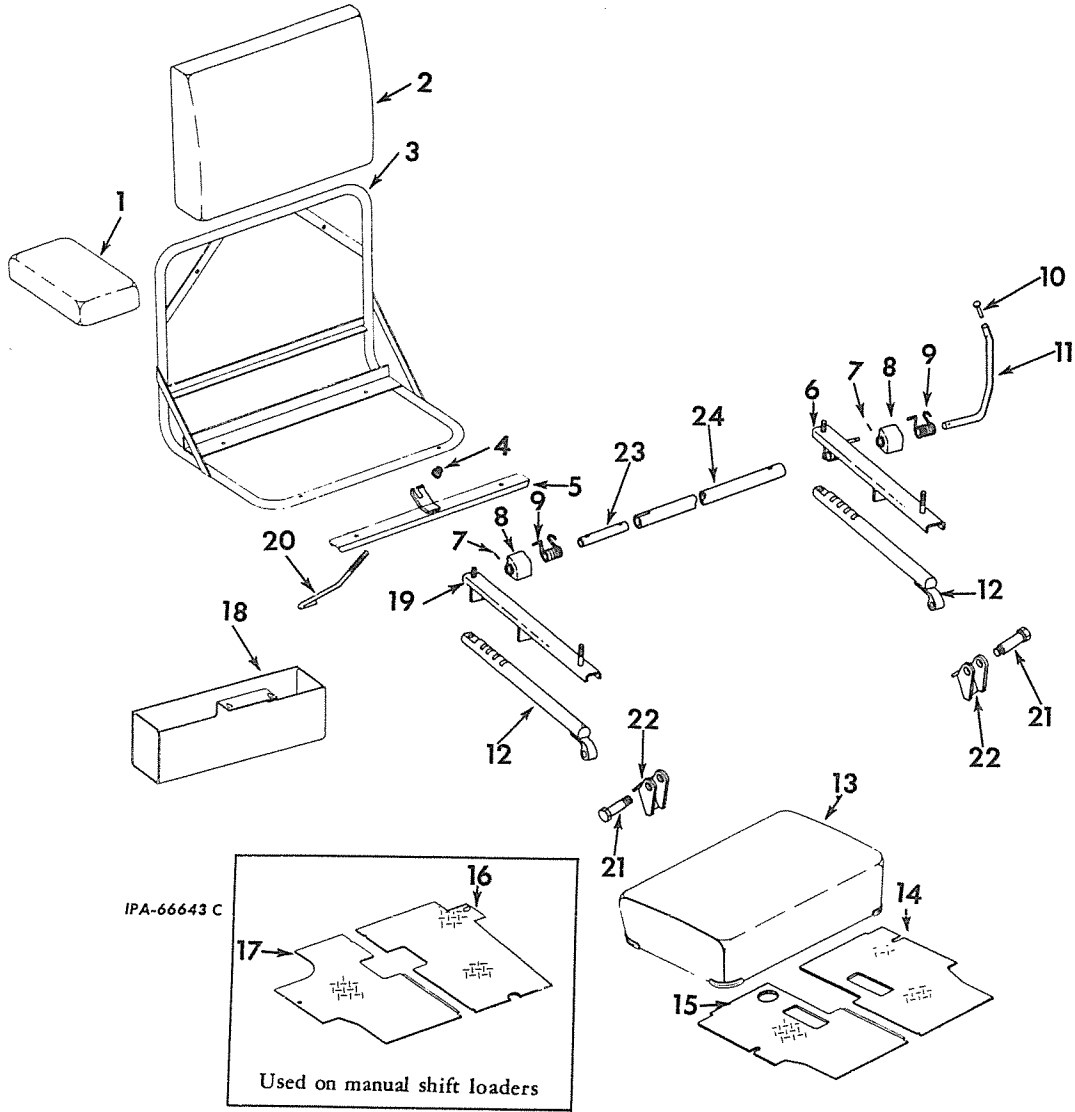
# SEAT, PLATFORMS AND SUPPORTS



REF. PART NO.	PART NUMBER	DESCRIPTION	REF. PART NO.	PART NUMBER	DESCRIPTION
---------------	-------------	-------------	---------------	-------------	-------------

SEATS, PLATFORM AND SUPPORTS

SEATS, PLATFORM AND SUPPORTS - Continued



1	620 316 C1	CUSHION, seat side (†) (*2)	4	266 383 R2	NUT, seat hold down rod 13/32 x 13/16 x .065" WASHER
1	331 041 R1	CUSHION, seat side (†) 3/8 x 3/4" hex-hd cap SCREW 3/8" lock WASHER	5	275 266 R11	SUPPORT, rear seat
2	273 499 R92	CUSHION, back seat 5/16 x 3/4" hex-hd cap SCREW (2) 5/16" lock WASHER (2) 11/32 x 11/16" WASHER (2)	6	331 596 R91	CHANNEL, seat frame slide (LH)
3	307 312 R91	FRAME, seat 5/16NF NUT (2)	7	19 938 R1	PIN, 1/8 x 7/8" long spiral (2)
	307 315 R1	NUT, seat cushion bottom pilot (2) 5/16" internal-tooth lock WASHER (4)	8	331 595 R1	LOCK, seat (2)
			9	331 594 R1	SPRING, latch torsion (2)
			10	1 017 851 R1	PLUG, seat adjusting handle L-150P 6501 to 9105 L-150G 6519 to 9105

(\* ) - Used On Manual Shift Loaders.  
(†) - Used On Power Shift Loaders.



## SEAT, PLATFORMS AND SUPPORTS



REF. NO.	PART NUMBER	DESCRIPTION
SEATS, PLATFORM AND SUPPORTS - Continued		
11	331 592 R1	HANDLE, seat adjusting L-150P 6501 to 9105 L-150G 6519 to 9105
11	338 267 R1	HANDLE, seat adjusting L-150P 9106 up L-150G 9106 up
12	338 270 R11	RAIL, seat frame slide (2) 5/16NF NUT (2) 5/16 x 1-1/4" hex-hd cap SCREW (2) 5/16" lock WASHER (2)
13	273 500 R92	CUSHION, bottom seat
14	330 743 R11	PLATFORM, LH (†) 3/8 x 3/4" hex-hd cap SCREW 3/8" lock WASHER
15	330 742 R11	PLATFORM, RH (†) 3/8 x 3/4" hex-hd cap SCREW 3/8" lock WASHER 3/8 x 1" hex-hd cap SCREW
16	275 230 R31	PLATFORM, LH (*) 3/8 x 3/4" hex-hd cap SCREW 3/8" lock WASHER
17	275 231 R31	PLATFORM, RH (*) 3/8NF NUT 3/8 x 3/4" hex-hd cap SCREW 3/8 x 1" hex-hd cap SCREW 3/8" lock WASHER (3) 13/32 x 13/16" x 16 ga. WASHER
18	331 566 R11	BOX, tool 1/4 x 3/4" hex-hd cap SCREW (2) 1/4" lock WASHER (2) 5/16 x 3/4" x 18 ga. WASHER (2)
19	307 317 R12	CHANNEL, seat frame slide (RH) L-150P 6501 to 9105 L-150G 6519 to 9105
19	331 596 R91	CHANNEL, seat frame slide (RH) L-150P 9106 up L-150G 9106 up
20	276 975 R1	ROD, seat hold down 1/8 x 5/8" cotter PIN
21	46 883 H	PIN, seat hinge (3/8 x 1-9/16" rod end pin) (2) L-150P 6501 to 9105 (2) L-150G 6519 to 9105 3/32 x 5/8" cotter PIN (2)
21	338 268 R1	BOLT, seat hinge (2) L-150P 9106 up (2) L-150G 9106 up 5/16NF NUT (2) 11/32 x 11/16" x 16 ga. WASHER (2) 5/16" lock WASHER (2)
22	338 265 R1	BRACKET, seat hinge (2) 3/8NF x 1/2" hex-hd cap SCREW (4) 3/8" lock WASHER (4)
23	338 266 R1	SHAFT, seat lock
24	338 269 R1	EXTENSION, seat lock
	331 599 R1	PLATE, platform hold down
	604 021 C1	TREAD, safety walk

(†) - Used On Power Shift Loaders.  
(\*) - Used On Manual Shift Loaders.



# ENGINE CONTROLS



REF. PART NO.	PART NUMBER	DESCRIPTION
---------------	-------------	-------------

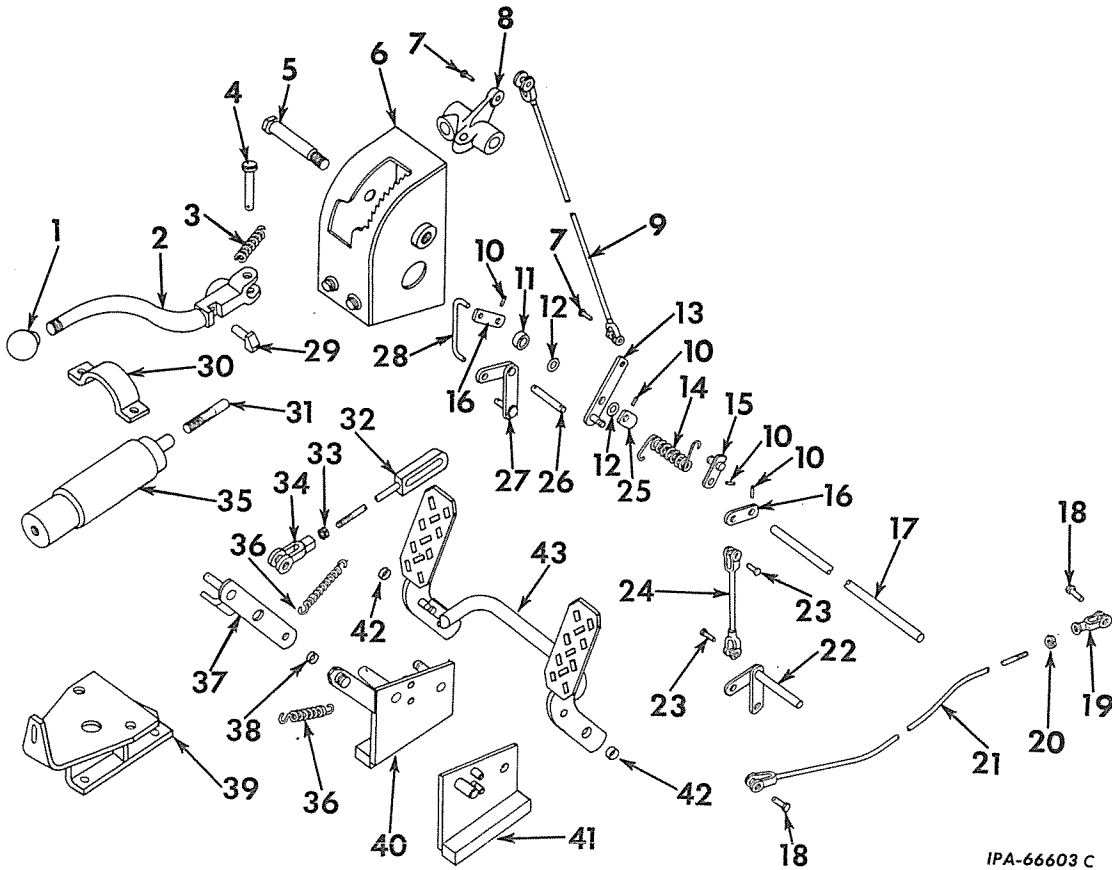
REF. PART NO.	PART NUMBER	DESCRIPTION
---------------	-------------	-------------

**ENGINE CONTROLS AND DECELERATOR**

(Used on Power Shift Loaders Equipped With Roosa-Master Fuel Injection Pump L-150P 6501 to 7464; except 7422, 7456 and 7459)

**ENGINE CONTROLS AND DECELERATOR - Continued**

(Used on Power Shift Loaders Equipped With Roosa-Master Fuel Injection Pump L-150P 6501 to 7464; except 7422, 7456 and 7459)



1	264 097 R2	BALL, governor control hand lever
2	275 198 R22	LEVER w/PAWL, 251 846 R1, governor control hand
3	261 650 R1	SPRING, governor control hand lever
4	262 704 R1	PIN, governor control hand lever 3/32 x 5/8" cotter PIN
5	275 199 R1	SHAFT, governor control hand lever
6	330 751 R11	RATCHET, governor control 3/8" NUT (2) 3/8 x 5/8" hex-hd cap SCREW (4) 3/8" lock WASHER (4)
7	103 495	PIN, 5/16" rod end (2) 3/32 x 5/8" cotter PIN (2)
8	275 197 R1	HUB, governor control hand
9	330 950 R11	ROD, upper fuel injection pump
10	19 674 R1	PIN, roll (4)
11	330 987 R1	SPACER, horizontal rod
12		WASHER, 13/32 x 13/16 x .065"
13	330 956 R11	SUPPORT, upper horizontal rod links and spring
14	330 980 R1	SPRING, horizontal torsion

15	330 943 R11	BELLCRANK, torsion spring hook support
16	330 984 R1	BELLCRANK, upper horizontal (2)
17	330 983 R1	ROD, upper horizontal
18	103 495	PIN, 5/16" rod end (2) 3/32 x 5/8" cotter PIN (2)
19	116 535	CLEVIS, fuel injection pump lower horizontal rod adjusting (5/16")
20		NUT, 5/16NF
21	331 498 R11	ROD, lower fuel injection pump horizontal
22	330 955 R11	SHAFT, fuel injection pump 3/32 x 5/8" cotter PIN (2) 13/32 x 13/16 x .065" WASHER (2)
23	103 495	PIN, 5/16" rod end (2) 3/32 x 5/8" cotter PIN (2)
24	306 883 R11	ROD, fuel injection pump lower vertical
25	330 981 R1	LEVER, ratchet return
26	330 988 R1	ROD, lower horizontal (LH) 3/32 x 5/8" cotter PIN (2)
27	330 957 R11	BELLCRANK, lower horizontal (LH) 3/32 x 5/8" cotter PIN

# ENGINE CONTROLS



REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

ENGINE CONTROLS AND DECELERATOR - Continued  
 (Used on Power Shift Loaders Equipped With Roosa-Master Fuel Injection Pump L-150P 6501 to 7464; except 7422, 7456 and 7459)

28	330 985 R1	ROD, decelerator vertical 3/32 x 5/8" cotter PIN (2) 13/32 x 13/16 x .065" WASHER (2)
29	251 846 R1	PAWL, governor control hand lever
30	331 422 R1	CLAMP, decelerator hydraulic cylinder 3/8" NUT (2) 3/8 x 1-3/8" hex-hd cap SCREW (2) 3/8" lock WASHER (2)
31	325 997 R1	ADJUSTER, decelerator hydraulic cylinder
32	330 945 R11	ROD, decelerator horizontal
33		NUT, 7/16NF
34	117 825	CLEVIS, 7/16NF rod end
35	610 739 C91	CYLINDER w/SPRING, 610 740 C1, decelerator hydraulic 3/8NF x 7/8" hex-hd cap SCREW 3/8" lock WASHER
36	304 522 R1	SPRING, decelerator return (2)
37	330 958 R11	ARM w/BUSHING, 333 784 R1, decelerator 1/8 x 1" cotter PIN
38	333 784 R1	BUSHING, decelerator arm
39	330 947 R11	BRACKET, decelerator hydraulic cylinder 7/16 x 1-3/4" hex-hd cap SCREW (2) 7/16" lock WASHER (2)
40	330 971 R91	SUPPORT, LH decelerator pedal 3/8 x 1" hex-hd cap SCREW 3/8 x 1-1/2" hex-hd cap SCREW 1/2 x 1-1/8" x 14 ga. WASHER (3) 1/8 x 1" cotter PIN
41	331 609 R91	SUPPORT, RH decelerator pedal 3/8 x 1" hex-hd cap SCREW 3/8 x 1-1/2" hex-hd cap SCREW
42	333 784 R1	BUSHING, decelerator pedal (2)
43	331 612 R91	PEDAL w/two BUSHING, 333 784 R1, decelerator
324	184 R91	KIT, decelerator cylinder repair (for power shift or sideboom crawler tractors) (for use on CYLINDER, 327 467 R91) (Composed of - §2 KEY, internal §1 "O" RING, piston seal §2 "O" RING, end cover §1 PACKING, rod §2 PACKING, piston §1 RING, rod gland snap §1 SCRAPER, rod )
338	399 R91	KIT, decelerator repair (for power shift or sideboom crawler tractors) (for use on CYLINDER, 338 383 R91 and 610 739 C91) (Composed of - §1 "O" RING, large §1 "O" RING, small §2 RING, piston §1 RING, retaining §1 SCRAPER, rod )
610	740 C1	SPRING, decelerator cylinder compression

§ - Not Furnished Separately.



# ENGINE CONTROLS



REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

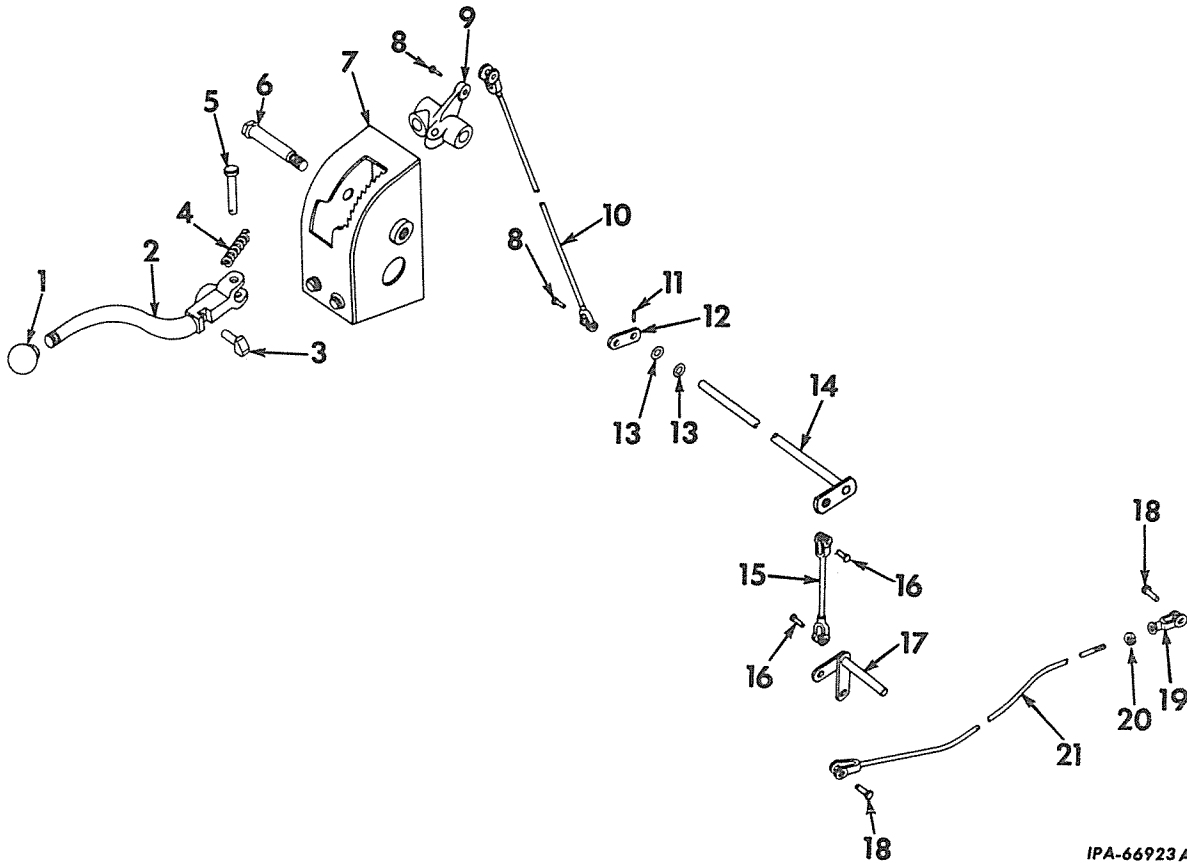
REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

### ENGINE CONTROLS

(Used on Manual Shift Loaders Equipped With Roosa-Master Fuel Injection Pump L-150G 6519 to 7464; except 7445, 7447, 7457, 7461 and 7463)

### ENGINE CONTROLS - Continued

(Used on Manual Shift Loaders Equipped With Roosa-Master Fuel Injection Pump L-150G 6519 to 7464; except 7445, 7447, 7457, 7461 and 7463)



IPA-66923A

1	264 097 R2	BALL, governor control hand lever
2	275 198 R22	LEVER w/PAWL, 251 846 R1, governor control hand
3	251 846 R1	PAWL, governor control hand lever
4	261 650 R1	SPRING, governor control hand lever
5	262 704 R1	PIN, governor control hand lever 3/32 x 5/8" cotter PIN
6	275 199 R1	SHAFT, governor control hand lever
7	330 751 R11	RATCHET, governor control 3/8" NUT (2) 3/8 x 5/8" hex-hd cap SCREW (4) 3/8" lock WASHER (4)
8	103 495	PIN, 5/16" rod end (2) 3/32 x 5/8" cotter PIN (2)
9	275 197 R1	HUB, governor control hand
10	330 950 R11	ROD, upper fuel injection pump

11	19 674 R1	PIN, roll (4)
12	306 887 R1	LINK, upper horizontal rod
13		WASHER, 13/32 x 13/16 x .065" 3/32 x 5/8" cotter PIN (2)
14	311 133 R91	ROD, upper horizontal
15	306 883 R11	ROD, fuel injection pump lower vertical
16	103 495	PIN, 5/16" rod end (2) 3/32 x 5/8" cotter PIN (2)
17	306 888 R91	SHAFT, fuel injection pump 3/32 x 5/8" cotter PIN (2) 13/32 x 13/16 x .065" WASHER (2)
18	103 495	PIN, 5/16" rod end (2) 3/32 x 5/8" cotter PIN (2)
19	116 535	CLEVIS, fuel injection pump lower horizontal rod adjusting (5/16")
20		NUT, 5/16NF
21	330 986 R11	ROD, lower fuel injection pump horizontal



MEMORANDA





# ENGINE CONTROLS



REF. PART NO.	PART NUMBER	DESCRIPTION
---------------	-------------	-------------

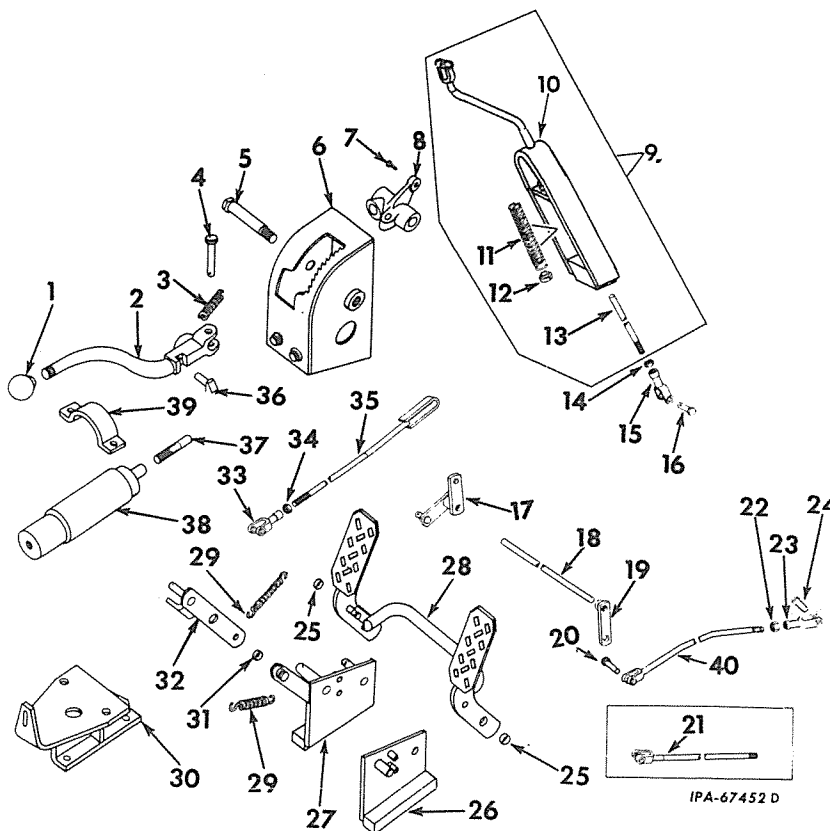
REF. PART NO.	PART NUMBER	DESCRIPTION
---------------	-------------	-------------

### ENGINE CONTROLS AND DECELERATOR

(Used on Power Shift Loader Equipped With International R. D. Fuel Injection Pump L-150P 7465 to 12099, also 7422, 7456 and 7459)  
 (Used on Power Shift Loaders Equipped With Roosa-Master Fuel Injection Pump L-150P 12100 up)

### ENGINE CONTROLS AND DECELERATOR - Continued

(Used on Power Shift Loader Equipped With International R. D. Fuel Injection Pump L-150P 7465 to 12099, also 7422, 7456 and 7459)  
 (Used on Power Shift Loaders Equipped With Roosa-Master Fuel Injection Pump L-150P 12100 up)



1	264 097 R2	BALL, governor control hand lever	12	338 099 R1 104 058	STOP, governor control rod spring RIVET, 1/8 x 1-1/8"
2	275 198 R22	LEVER w/PAWL, 251 846 R1, governor control hand	13	338 124 R1	ROD, lower governor control
3	261 650 R1	SPRING, governor control hand lever	14		NUT, 5/16NF jam
4	262 704 R1	PIN, governor control hand lever 3/32 x 5/8" cotter PIN	15	116 535	CLEVIS, governor control rod lower
5	275 199 R1	SHAFT, governor control	16	103 495	PIN, 5/16" rod end (2) 3/32 x 5/8" cotter PIN (2)
6	330 751 R11	RATCHET, governor control 3/8 x 5/8" hex-hd cap SCREW (4) 3/8" lock WASHER (4) 3/8" NUT (2)	17	338 111 R91 18 518 R1	BELLCRANK, cross shaft PIN, 1/8 x 1" roll
7	103 495	PIN, 5/16" rod end (2) 3/32 x 5/8" cotter PIN (2)	18	338 116 R1	SHAFT, cross 1/8 x 3/4" cotter PIN 7/16" flat WASHER
8	275 197 R1	HUB, governor control hand	19	338 113 R11 18 518 R1	LEVER, RH cross shaft PIN, 1/8 x 1" roll
9	338 123 R91	ROD ASSY, governor control	20	103 495	PIN, 5/16" rod end 3/32 x 5/8" cotter PIN
10		SUPPORT (Not Furnished Separately)	21	345 832 R11	ROD, injection pump control L-150P 7465 to 12099, also 7422, 7456 and 7459
11	338 098 R1	SPRING, governor control rod	22		NUT, 5/16NF

# ENGINE CONTROLS



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
<b>ENGINE CONTROLS AND DECELERATOR - Continued</b> (Used on Power Shift Loader Equipped With International R. D. Fuel Injection Pump L-150P 7465 to 12099, also 7422, 7456 and 7459) (Used on Power Shift Loaders Equipped With Roosa-Master Fuel Injection Pump L-150P 12100 up)			<b>ENGINE CONTROLS AND DECELERATOR - Continued</b> (Used on Power Shift Loader Equipped With International R. D. Fuel Injection Pump L-150P 7465 to 12099, also 7422, 7456 and 7459) (Used on Power Shift Loaders Equipped With Roosa-Master Fuel Injection Pump L-150P 12100 up)		
23	116 535	CLEVIS, fuel injection pump lower horizontal rod adjusting (5/16")	338 399 R91		KIT, decelerator repair (for power shift or sideboom crawler tractors) (for use on CYLINDER, 338 383 R91 and 610 739 C91) (Composed of - §1 "O" RING, large §1 "O" RING, small §2 RING, piston §1 RING, retaining §1 SCRAPER, rod )
24	103 495	PIN, 5/16" rod end 3/32 x 5/8" cotter PIN			
25	333 784 R1	BUSHING, decelerator pedal (2)			
26	331 609 R91	SUPPORT, RH decelerator pedal 3/8 x 1" hex-hd cap SCREW 3/8 x 1-1/2" hex-hd cap SCREW	610 740 C1		SPRING, decelerator cylinder compression
27	330 971 R91	SUPPORT, LH decelerator pedal 3/8 x 1" hex-hd cap SCREW 3/8 x 1-1/2" hex-hd cap SCREW 1/2 x 1-1/8" x 14 ga. WASHER (3) 1/8 x 1" cotter PIN			
28	331 612 R91	PEDAL w/two BUSHING, 333 784 R1, decelerator			
29	304 522 R1	SPRING, decelerator return (2)			
30	330 947 R11	BRACKET, decelerator hydraulic cylinder 7/16 x 1-3/4" hex-hd cap SCREW (2) 7/16" lock WASHER (2)			
31	333 784 R1	BUSHING, decelerator arm			
32	330 958 R11	ARM w/BUSHING, 333 784 R1, decelerator 1/8 x 1" cotter PIN			
33	117 825	CLEVIS, 7/16NF rod end			
34		NUT, 7/16NF jam			
35	338 112 R11 615 029 R1	ROD, decelerator horizontal 3/32 x 5/8" cotter PIN 3/8" flat WASHER			
36	251 846 R1	PAWL, governor control hand lever			
37	325 997 R1	ADJUSTER, decelerator hydraulic cylinder			
38	327 467 R91	CYLINDER (order CYLINDER, 610 739 C91)			
38	338 383 R91	CYLINDER (order CYLINDER, 610 739 C91)			
38	610 739 C91	CYLINDER w/SPRING, 610 740 C1, decelerator hydraulic 3/8NF x 7/8" hex-hd cap SCREW 3/8" lock WASHER			
39	331 422 R1	CLAMP, decelerator hydraulic cylinder 3/8" NUT (2) 3/8 x 1-3/8" hex-hd cap SCREW (2) 3/8" lock WASHER (2)			
40	609 958 C11	ROD, injection pump control L-150P 12100 up			
	324 184 R91	KIT, decelerator cylinder repair (for power shift or sideboom crawler tractors) (for use on CYLINDER, 327 467 R91) (Composed of - §2 KEY, internal §1 "O" RING, piston seal §2 "O" RING, end cover §1 PACKING, rod §2 PACKING, piston §1 RING, rod gland snap §1 SCRAPER, rod )			

§ - Not Furnished Separately.



# ENGINE CONTROLS



REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

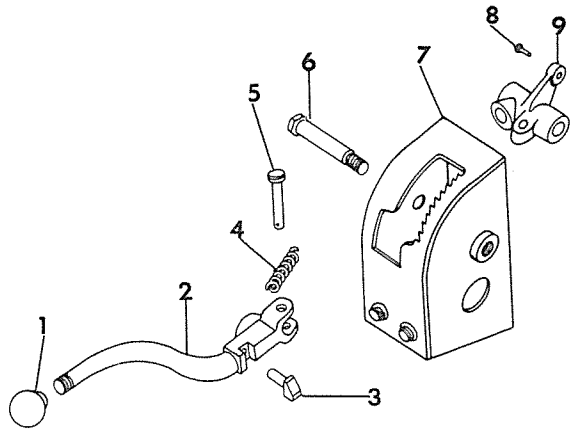
**ENGINE CONTROLS**

(Used on Manual Shift Loader Equipped With International R. D. Fuel Injection Pump L-150G 7465 to 11761, also 7445, 7447, 7457, 7461 and 7463)  
 (Used on Manual Shift Loader Equipped With Roosa-Master Fuel Injection Pump L-150G 11762 up)

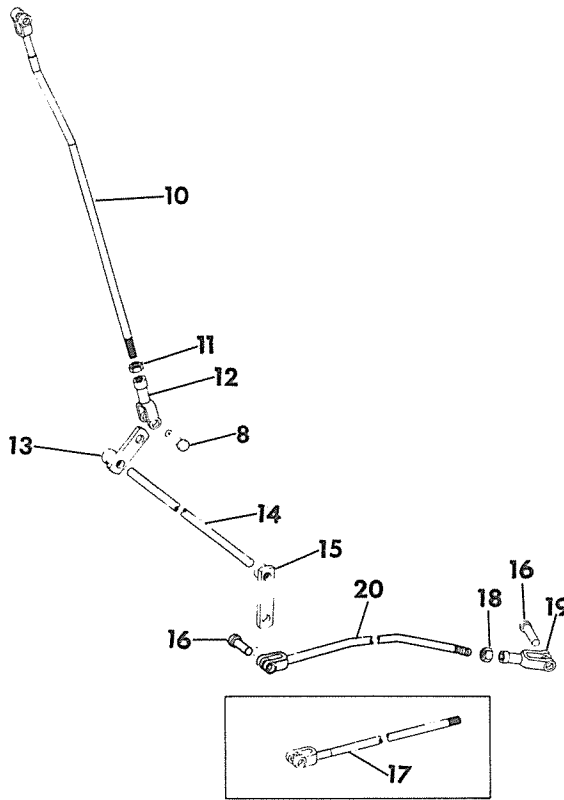
REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

**ENGINE CONTROLS - Continued**

(Used on Manual Shift Loader Equipped With International R. D. Fuel Injection Pump L-150G 7465 to 11761, also 7445, 7447, 7457, 7461 and 7463)  
 (Used on Manual Shift Loader Equipped With Roosa-Master Fuel Injection Pump L-150G 11762 up)



IPA-67451C



1	264 097 R2	BALL, governor control hand lever
2	275 198 R22	LEVER w/PAWL, 251 846 R1, governor control hand
3	251 846 R1	PAWL, governor control hand lever
4	261 650 R1	SPRING, governor control hand lever
5	262 704 R1	PIN, governor control hand lever
6	275 199 R1	SHAFT, governor control hand lever
7	330 751 R11 102 635 179 835 103 321	RATCHET, governor control 3/8" NUT (2) 3/8 x 5/8" hex-hd cap SCREW (4) 3/8" lock WASHER (4)
8	103 495 107 762	PIN, 5/16" rod end (2) 3/32 x 5/8" cotter PIN (2)
9	275 197 R1	HUB, governor control hand
10	338 117 R11	ROD, governor control
11	114 502	NUT, 5/16NF jam

12	116 535	CLEVIS, 5/16" adjustable
13	338 108 R11 18 518 R1	LEVER, LH horizontal rod PIN, 1/8 x 1" roll
14	338 116 R1 103 384 103 342	SHAFT, cross 1/8 x 3/4" cotter PIN 7/16" flat WASHER
15	338 113 R11 18 518 R1	LEVER, RH cross shaft PIN, 1/8 x 1" roll
16	103 495 107 762	PIN, 5/16" rod end (2) 3/32 x 5/8" cotter PIN (2)
17	345 832 R11	ROD, injection pump control L-150G 7465 to 11761, also 7445, 7447, 7461 and 7463
18	114 502	NUT, 5/16NF
19	116 535	CLEVIS, fuel injection pump lower horizontal rod adjustable (5/16")
20	612 796 C91	ROD, injection pump control L-150G 11762 up



# MEMORANDA

---





# INSTRUMENTS AND INSTRUMENT PANEL

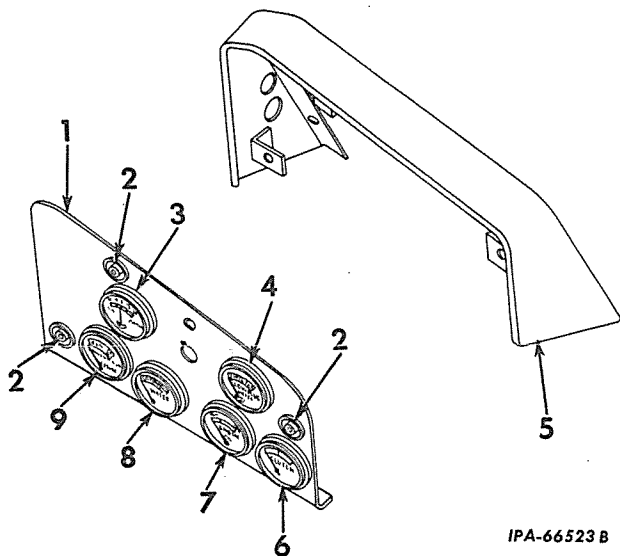
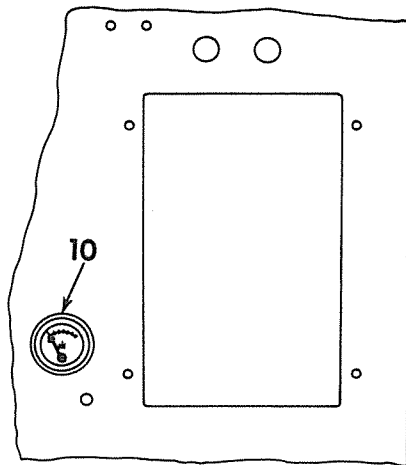


REF. PART NO. NUMBER DESCRIPTION

REF. PART NO. NUMBER DESCRIPTION

INSTRUMENTS AND INSTRUMENT PANEL  
L-150G 6519 to 9809, L-150P 6501 to 9809

INSTRUMENTS AND INSTRUMENT PANEL - Continued  
L-150G 6519 to 9809, L-150P 6501 to 9809



- 1 330 753 R1 PANEL, instrument
- 2 298 000 R1 MOUNT, vibration (3)  
1/4NF x 1" hex-hd cap SCREW (3)  
1/4" lock WASHER (3)
- 3 702 284 C1 AMMETER
- 4 702 282 C1 METER, glow plug
- 5 330 752 R11 HOUSING, instrument panel  
3/8 x 5/8" hex-hd cap SCREW (5)  
3/8" lock WASHER (5)
- 6 308 622 R91 GAUGE, clutch pressure (optional with  
324 077 R91) (†)  
L-150P 6501 to 7781

- 6 324 077 R91 GAUGE, clutch pressure (optional with  
308 622 R91) (†)  
L-150P 6501 to 7781
- 330 822 R1 TUBE, clutch pressure (lower)
- 330 821 R1 TUBE, clutch pressure (rear)
- 35 938 D CLIP, clutch pressure tube (3)
- 9 402 745 CONNECTOR, clutch pressure gauge to  
clutch pressure hose
- 9 410 386 CONNECTOR, hose to tube
- 9 410 451 ELBOW, clutch pressure tube
- 9 410 425 ELBOW, at regulator valve
- 117 966 GROMMET (in dash for clutch pressure  
hose)
- 333 992 R91 HOSE, clutch pressure gauge to pressure  
line
- 9 410 610 NUT, 1/4" tube (4)
- 274 221 FERRULE (4)
- 6 338 977 R92 GAUGE, clutch oil pressure (†)  
L-150P 7782 to 9809  
(Order the following parts
- 1 ADAPTER 9 402 681
- 1 BODY 615 938 C1
- 1 CLIP 263 717 R91
- 1 CLIP 616 367 C1
- 1 CLIP 616 368 C1
- 1 CLIP 616 369 C1
- 1 CONNECTOR 9 402 745
- 1 CONNECTOR 606 885 C1
- 1 ELBOW 615 369 C1
- 1 GAUGE 703 232 C1
- 2 GROMMET 619 818 C91
- 1 HOSE 606 244 C91
- 1 HOSE 702 540 C1
- 1 PLUG 444 619
- 1 TEE 444 253
- 1 TUBE 616 365 C11
- 1 TUBE 616 366 C11 )
- 444 024 BUSHING, clutch oil pressure sending  
unit reducer (use w/GAUGE, 338 977 R92)
- 67 869 D ELBOW, fuel pressure gauge (used w/  
GAUGE, 338 977 R92)
- 444 166 ELBOW, clutch oil pressure sending  
unit (on drain hole of pressure filter)  
(use w/GAUGE, 338 977 R92)
- 29 898 D NUT, 1/4" OD tube (hi-duty) (use w/  
GAUGE, 338 977 R92)
- 338 100 R2 TUBE, fuel pressure gauge (use w/  
GAUGE, 338 977 R92)
- 338 978 R91 UNIT, clutch oil pressure sending (use w/  
GAUGE, 338 977 R92)  
L-150P 7782 to 9809  
(order the following parts
- 1 ADAPTER 9 402 681
- 1 BODY 615 938 C1
- 1 CLIP 263 717 R91
- 1 CLIP 616 367 C1
- 1 CLIP 616 368 C1
- 1 CLIP 616 369 C1
- 1 CONNECTOR 9 402 745
- 1 CONNECTOR 606 885 C1
- 1 ELBOW 615 369 C1
- 1 GAUGE 619 818 C91
- 2 GROMMET 117 966
- 1 HOSE 606 244 C91
- 1 HOSE 702 540 C1
- 1 PLUG 444 619
- 1 TEE 444 253
- 1 TUBE 616 365 C11
- 1 TUBE 616 366 C11

(†) - Used On Power Shift Loaders.



# INSTRUMENTS AND INSTRUMENT PANEL

REF. PART NO.	PART NUMBER	DESCRIPTION
---------------	-------------	-------------

REF. PART NO.	PART NUMBER	DESCRIPTION
---------------	-------------	-------------

INSTRUMENTS AND INSTRUMENT PANEL - Continued  
L-150G 6519 to 9809, L-150P 6501 to 9809

INSTRUMENTS AND INSTRUMENT PANEL - Continued  
L-150G 6519 to 9809, L-150P 6501 to 9809

6	336 651 R91	GAUGE, fuel pump pressure (for manual shift loader equipped with International R. D. fuel injection pump)
	9 402 746	ADAPTER (5/16 x 3/8" flared tube) hose to gauge
	334 445 R1	BLOCK, junction (mounted on RH foot pocket)
		5/16" NUT (2)
		5/16 x 1-1/4" hex-hd cap SCREW (2)
	59 730 H	5/16" lock WASHER (2)
		CONNECTOR, fuel pressure tube (at filter tee) (2)
	606 243 C91	HOSE w/FITTINGS, gauge to junction block (HOSE, 1/4" ID x 13-1/2" long including FITTINGS)
	29 898 D	NUT, 1/4" OD tube (2)
	338 101 R2	TUBE, fuel pressure lower
7	702 027 C1	GAUGE, engine oil pressure
	338 662 R91	HOSE, engine oil pressure gauge to pressure line
	100 770 H	CLIP, engine oil pressure hose
	257 523 R1	CONNECTOR, hose to engine oil pressure tube
	9 402 746	CONNECTOR, engine oil pressure gauge to hose (2)
	306 936 R1	TUBE, engine oil pressure lower
	30 402 D	ELBOW, engine oil pressure gauge tube
	29 898 D	NUT, engine oil pressure gauge tube nut (2)
8	362 428 R91	INDICATOR, engine heat
9	333 723 R91	GAUGE, converter temperature (†)
	35 938 D	CLIP, pressure tube
	117 966	GROMMET
	144 034	REDUCER, 3/4 x 1/2"
		SCREW, 1/4NF x 1" hex-hd cap (used to attach vibration mount) (3)
		WASHER, 1/4" lock (used to attach vibration mount) (3)
10	384 203 R91	GAUGE, fuel pump pressure (for power shift tractor equipped with International R. D. fuel injection pump)
	59 730 H	CONNECTOR, fuel pressure tube (at filter tee)
	67 869 D	ELBOW, 1/2 x 9/16" fuel pressure gauge
	29 898 D	NUT, 1/4" OD tube (2)
	338 100 R2	TUBE, fuel pressure gauge
	454 168	PLUG, instrument panel light button
	142 020	PLUG, light switch button
	338 978 R91	UNIT, clutch oil pressure sending L-150P 7782 up
	454 168	PLUG BUTTON (Used to plug starting switch hole in instrument panel on power shift loaders)



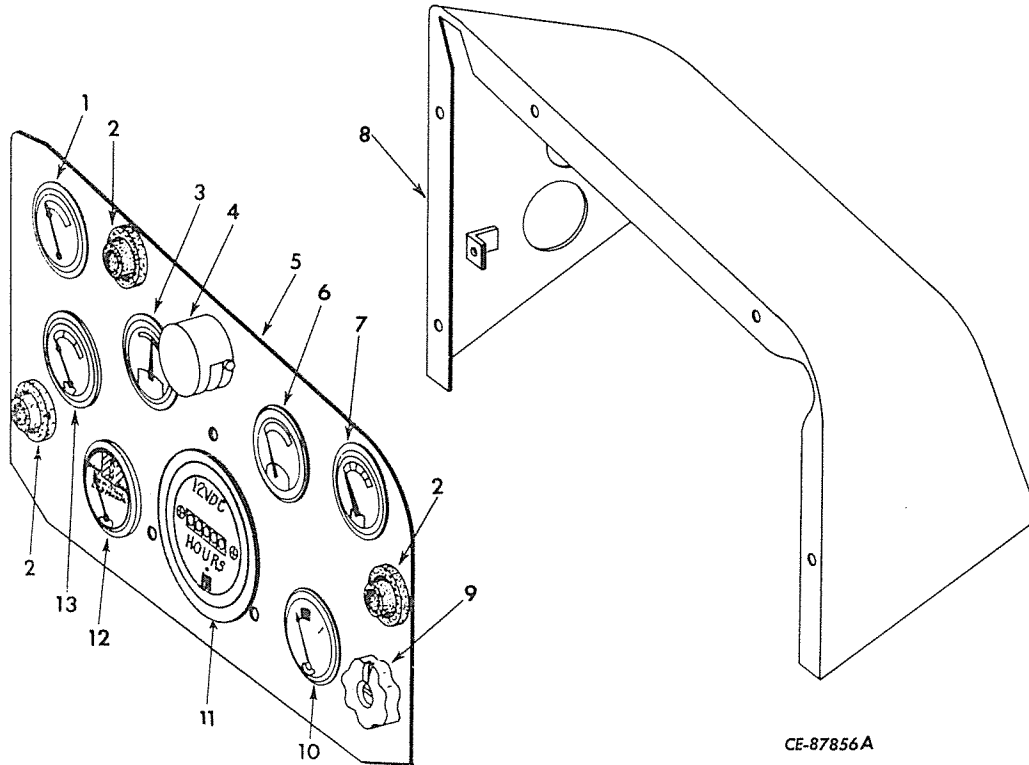
# INSTRUMENTS AND INSTRUMENT PANEL



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------	----------	-------------	-------------

INSTRUMENTS AND INSTRUMENT PANEL  
(For Power Shift Loaders) L-150P 9810 up

INSTRUMENTS AND INSTRUMENT PANEL - Continued  
(For Power Shift Loaders) L-150P 9810 up



CE-87856A

1	333 723 R91	INDICATOR, converter temperature	444 024	BUSHING, clutch oil pressure sending unit reducer (use w/GAUGE, 338 977 R92)
2	298 000 R1	MOUNT, vibration	67 869 D	ELBOW, fuel pressure gauge (use w/GAUGE, 338 977 R92)
3	702 284 C1	AMMETER	444 166	ELBOW, clutch oil pressure sending unit (on drain hole of pressure filter) (used w/GAUGE, 338 977 R92)
4	603 467 C91	PACKAGE, panel light field service (less bulb)	29 898 D	NUT, 1/4" OD tube (hi-duty) (used w/GAUGE, 338 977 R92)
		(Consists of -	338 100 R2	TUBE, fuel pressure gauge (used w/GAUGE, 338 977 R92)
		1 GROMMET 273 406 R1	338 978 R91	UNIT, clutch oil pressure sending (used w/GAUGE, 338 977 R92)
		1 LIGHT		(order the following parts -
		1 WASHER 273 405 R1 )		1 ADAPTER 9 402 681
	142 450	BULB, panel light (12 volt)		1 BODY 615 938 C1
	273 406 R1	GROMMET, panel light mounting		1 CLIP 263 717 R91
	273 405 R1	WASHER, panel light mounting		1 CLIP 616 367 C1
6	702 282 C1	METER, glow plug (also listed and illustrated with "Electric Starting and Lighting")		1 CLIP 616 368 C1
				1 CLIP 616 369 C1
5	604 072 C2	PANEL, instrument		1 CONNECTOR 9 402 745
		1/4NF x 1" hex-hd cap SCREW (3)		1 CONNECTOR 606 885 C1
		1/4" lock WASHER (3)		1 ELBOW 615 369 C1
7	338 977 R92	GAUGE, clutch oil pressure		1 GAUGE 619 818 C91
		L-150P 9809 to 14047		2 GROMMET 117 966
		(Order the following parts -		1 HOSE 606 244 C91
		1 ADAPTER 9 402 681		1 HOSE 702 540 C1
		1 BODY 615 938 C1		1 PLUG 444 619
		1 CLIP 263 717 R91		1 TEE 444 253
		1 CLIP 616 367 C1		1 TUBE 616 365 C11
		1 CLIP 616 368 C1		1 TUBE 616 366 C11 )
		1 CLIP 616 369 C1		
		1 CONNECTOR 9 402 745		
		1 CONNECTOR 606 885 C1		
		1 ELBOW 615 369 C1		
		1 GAUGE 619 818 C91		
		2 GROMMET 117 966		
		1 HOSE 606 244 C91		
		1 HOSE 702 540 C1		
		1 PLUG 444 619		
		1 TEE 444 253		
		1 TUBE 616 365 C11		
		1 TUBE 616 366 C11 )		
			7	619 818 C91 GAUGE, clutch oil pressure
				L-150P 14049 up
			9 402 681	ADAPTER, hose to regulator valve tee (used w/GAUGE, 703 232 C1)
			615 938 C1	BODY, clutch oil pressure tube to filter hose adapter (used w/GAUGE, 703 232 C1)

§ - Not Furnished Separately





## INSTRUMENTS AND INSTRUMENT PANEL



REF. PART NO.	PART NUMBER	DESCRIPTION	REF. PART NO.	PART NUMBER	DESCRIPTION
INSTRUMENTS AND INSTRUMENT PANEL - Continued (For Power Shift Loaders) L-150P 9810 up			INSTRUMENTS AND INSTRUMENT PANEL - Continued (For Power Shift Loaders) L-150P 9810 up		
	9 402 745	CONNECTOR, clutch oil pressure gauge (used w/GAUGE, 703 232 C1)		915 499 R1	NUT (2)
	606 885 C1	CONNECTOR, junction block to clutch oil pressure tube (used w/GAUGE, 703 232 C1)		915 500 R1	SLEEVE (2)
	263 717 R91	CLIP, clutch oil pressure hose (on regulator bracket rear bolt) (used w/GAUGE, 703 232 C1)	11		HOURMETER, electric (for components see list of parts under details of "Electric Hourmeter") No. 6 x 1/2" slt-rd-hd SCREW (3) No. 6 lock WASHER (3)
	615 369 C1	ELBOW, clutch oil pressure tube junction (used w/GAUGE, 703 232 C1)	12	702 257 C1	GAUGE, transmission lube pressure L-150P 9809 to 14048
	117 966	GROMMET, clutch oil pressure lower tube (used w/GAUGE, 703 232 C1)		444 032	ADAPTER, lube pressure tube
	117 966	GROMMET, oil pressure hose (used w/GAUGE, 703 232 C1)		59 730 H	CONNECTOR, transmission lube pressure tube (2) L-150P 9810 to 12166
	702 540 C1	HOSE w/FITTINGS, clutch oil pressure (HOSE, 1/4" ID x 28" long including FITTINGS) (used w/GAUGE, 703 232 C1)		606 885 C1	CONNECTOR, transmission lube pressure tube (at junction block) L-150P 12167 to 14048
	606 243 C91	HOSE w/FITTINGS, clutch oil pressure gauge (HOSE, 1/4" ID x 13-1/2" long including FITTINGS) (used w/GAUGE, 703 232 C1)		606 673 C1	CONNECTOR, lube pressure tube L-150P 12167 to 14048
	444 619	PLUG, pressure filter drain hole (used w/GAUGE, 703 232 C1)		9 402 745	CONNECTOR, transmission lube pressure gauge (at gauge)
	432 577	PLUG, button (on instrument panel) (used w/GAUGE, 703 232 C1)		606 244 C91	HOSE w/FITTINGS, transmission lube pressure gauge to junction block (HOSE 1/4" ID x 16" long including FITTINGS)
	444 253	TEE, regulator valve (used w/GAUGE, 703 232 C1)		29 898 D	NUT, transmission lube pressure tube (2) L-150P 9810 to 12166
	616 365 C11	TUBE w/two SLEEVE, 915 500 R1 and two NUT, 915 499 R1, upper clutch oil pressure gauge (used w/GAUGE, 703 232 C1)		604 071 C1	TUBE, transmission lube pressure L-150P 9810 to 12166
	915 499 R1	NUT (2)		611 430 C11	TUBE, w/2 SLEEVE, 915 500 R1 and (2) NUT 915 999 R1, transmission lube pressure L-150P 12167 to 14048
	915 500 R1	SLEEVE (2)		915 499 R1	NUT (2)
	616 366 C11	TUBE w/two SLEEVE, 915 500 R1 and two NUT, 915 499 R1, lower clutch oil pressure gauge (used w/GAUGE, 703 232 C1)		915 500 R1	SLEEVE (2)
	915 499 R1	NUT (2)	13	702 219 C1	INDICATOR, engine heat
	915 500 R1	SLEEVE (2)		144 034	BUSHING, 3/4 x 1/2" reducing No. 6 x 1/2" SCREW (3) No. 6 lock WASHER (3)
8	330 752 R11	HOUSING, instrument panel 3/8 x 5/8" hex-hd cap SCREW (5) 3/8" lock WASHER (5)		334 445 R1	BLOCK, junction 5/16 x 1-1/4" hex-hd cap SCREW (2) 5/16" NUT (2) 5/16" lock WASHER 5/16" int-ext lock WASHER (for hourmeter pressure switch ground)
9		SWITCH ASSY, light (for components see list of parts under details of "Lighting Switch") (also listed and illustrated with "Electric Starting and Lighting")			
10	702 027 C1	GAUGE, engine oil pressure		278 834 R2	CLAMP, pressure tube
	35 938 D	CLIP, oil pressure tube		278 836 R2	PAD, pressure tube clamp (2) 1/4" NUT (2) 1/4 x 1-1/4" hex-hd cap SCREW (2) 1/4" lock WASHER (2)
	100 770 H	CLIP, oil pressure indicator hose			
	257 523 R1	CONNECTOR, hose to oil pressure tube L-150P 9810 to 12166		264 674 R91	DAMPER, hourmeter vibration (also listed with "Electric Hourmeter") No. 6 x 1/2" slt-rd-hd SCREW (3) No. 6 lock WASHER (3)
	606 885 C1	CONNECTOR, junction block to oil pressure tube L-150P 12167 up		384 203 R91	GAUGE, fuel injection pump pressure (on dash) used on tractors equipped with International RD Fuel Injection Pumps)
	9 402 745	CONNECTOR, oil pressure indicator to hose		29 901 D	CONNECTOR, fuel pressure tube (at filter tee)
	30 402 D	ELBOW, oil pressure gauge tube L-150P 9810 to 12166		29 899 D	NUT, fuel pressure tube
	319 615 R1	ELBOW, oil pressure gauge tube L-150P 12167 up		454 168	PLUG, instrument panel light button
	117 966	GROMMET, oil pressure hose (on firewall)		142 020	PLUG, light switch button
	606 244 C91	HOSE w/FITTINGS, engine oil pressure indicator to pressure line (HOSE, 1/4" ID x 16" long including FITTINGS) L-150P 9809 to 14048		444 631	PLUG, transmission lube pressure L-150P 14049 up
	29 898 D	NUT, oil pressure tube (2) L-150P 9810 to 12166		454 168	PLUG, button used to plug starting switch hole in instrument panel on power shift loaders
	604 073 C1	TUBE, oil pressure tube (2) L-150P 9810 to 12166			
	611 431 C11	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, oil pressure tube L-150P 12167 to 14048			
	915 499 R1	NUT (2)			
	915 500 R1	SLEEVE (2)			
	616 370 C11	TUBE w/two SLEEVE, 915 500 R1 and two NUT, 915 499 R1, oil pressure tube L-150P 14049 up			



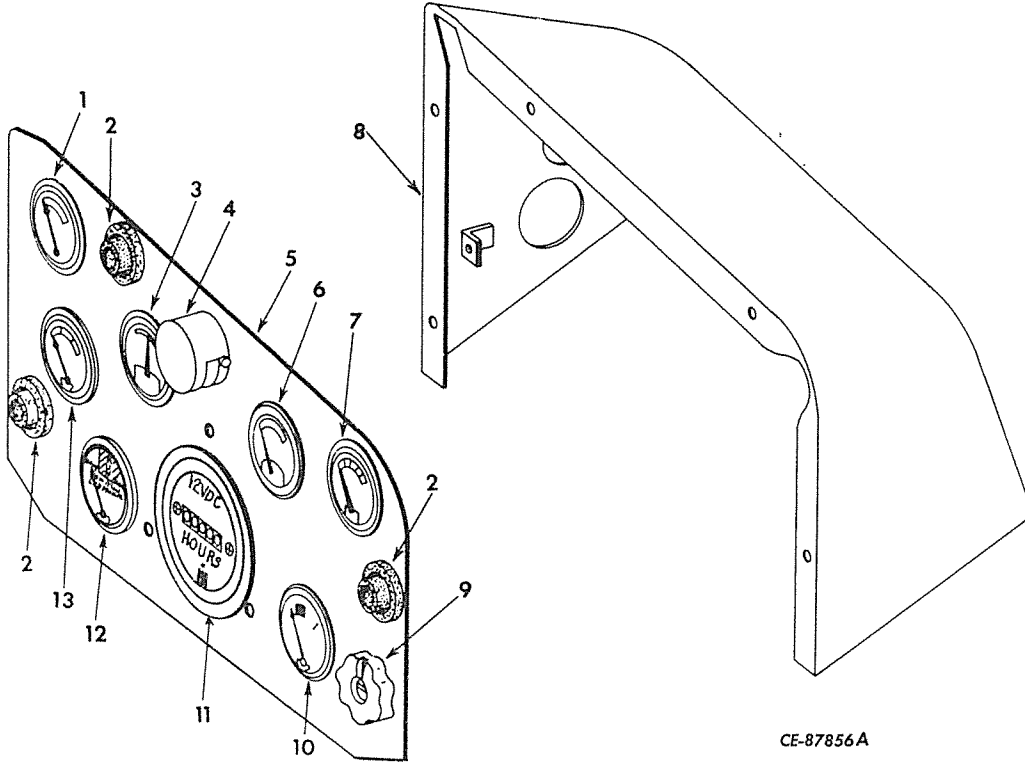
# INSTRUMENTS AND INSTRUMENT PANEL



REF. PART NO.	PART NUMBER	DESCRIPTION	REF. PART NO.	PART NUMBER	DESCRIPTION
---------------	-------------	-------------	---------------	-------------	-------------

INSTRUMENTS AND INSTRUMENT PANEL  
(For Manual Shift Loaders) L-150G 9810 up

INSTRUMENTS AND INSTRUMENT PANEL - Continued  
(For Manual Shift Loaders) L-150G 9810 up



CE-87856A

1	432 577	PLUG, button (3)	9	702 027 C1 35 938 D 100 770 H 257 523 R1	GAUGE, engine oil pressure CLIP, oil pressure tube CLIP, oil pressure indicator hose CONNECTOR, hose to oil pressure tube L-150G 9810 to 12166
2	298 000 R1	MOUNT, vibration (3)		606 885 C1	CONNECTOR, junction block to oil pressure tube L-150G 12167 up
3	702 284 C1	AMMETER	9	402 745	CONNECTOR, oil pressure indicator to hose
4	603 467 C91	PACKAGE, panel light field service (Consists of - 1 GROMMET 273 406 R1 § 1 LIGHT 1 WASHER 273 405 R1 )		30 402 D	ELBOW, oil pressure gauge tube L-150G 9810 to 12166
	142 450	BULB, panel light (12 volt)		319 615 R1	ELBOW, oil pressure gauge tube L-150G 12167 up
	273 406 R1	GROMMET, panel light mounting		137 966	GROMMET, oil pressure hose (on fire-wall)
	273 405 R1	WASHER, panel light mounting		606 244 C91	HOSE w/FITTINGS, engine oil pressure indicator to pressure line (HOSE, 1/4" ID x 16" long including FITTINGS)
5	604 072 C2	PANEL, instrument 1/4NF x 1" hex-hd cap SCREW (3) 1/4" lock WASHER (3)		29 898 D	NUT, oil pressure tube (2) L-150G 9810 to 12166
6	702 282 C1	METER, glow plug (also listed and illustrated with "Electric Starting and Lighting")		604 073 C1	TUBE, oil pressure gauge L-150G 9810 to 12166
7	330 752 R11	HOUSING, instrument panel 3/8 x 5/8" hex-hd cap SCREW (5) 3/8" lock WASHER (5)		611 431 C11	TUBE, w/(2) NUT 915 499 R1 and (2) SLEEVE, 915 500 R1 L-150G 12167 up
8		SWITCH ASSY, light (Delco-Remy No. 1994050) (for components see list of parts under details of "lighting Switch") (also listed and illustrated with "Electric Starting and Lighting")		915 499 R1 915 500 R1	NUT (2) SLEEVE (2)
			10		HOURLMETER, electric (for components see list of parts under details of "Electric Hourmeter") No. 6 x 1/2" slt-rd-hd SCREW (3) No. 6 lock WASHER (3)

§ - Not Furnished Separately



# INSTRUMENTS AND INSTRUMENT PANEL



REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------

INSTRUMENTS AND INSTRUMENT PANEL - Continued  
 (For Manual Shift Loaders) L-150G 9810 up

11	384 203 R91	GAUGE, fuel injection pump pressure (Used on tractors equipped with International RD Fuel Injection Pumps)
9	402 746	ADAPTER, hose to gauge
	29 901 D	CONNECTOR, fuel pressure tube (at filter tee)
	59 730 H	CONNECTOR, tube to junction block
	606 243 C91	HOSE, gauge to junction block
	29 898 D	NUT, fuel pressure tube (2)
	338 101 R2	TUBE, fuel pressure lower
12	702 219 C1	INDICATOR, engine heat
	144 034	BUSHING, 3/4 x 1/2" reducing
	334 445 R1	BLOCK, junction 5/16 x 1-1/4" hex-hd cap SCREW (2) 5/16" NUT (2) 5/16" lock WASHER 5/16" int-ext tooth lock WASHER (for hourmeter pressure switch ground)
	278 834 R2	CLAMP, pressure tube
	278 836 R2	PAD, pressure tube clamp (2) 1/4" NUT (2) 1/4 x 1-1/4" hex-hd cap SCREW (2) 1/4" lock WASHER (2)
	264 674 R91	DAMPER, hourmeter vibration (also listed with "Electric Hourmeter") No. 6 x 1/2" slt-rd-hd SCREW (3) No. 6 lock WASHER (3)
	454 168	PLUG, instrument panel light button
	142 020	PLUG, light switch button



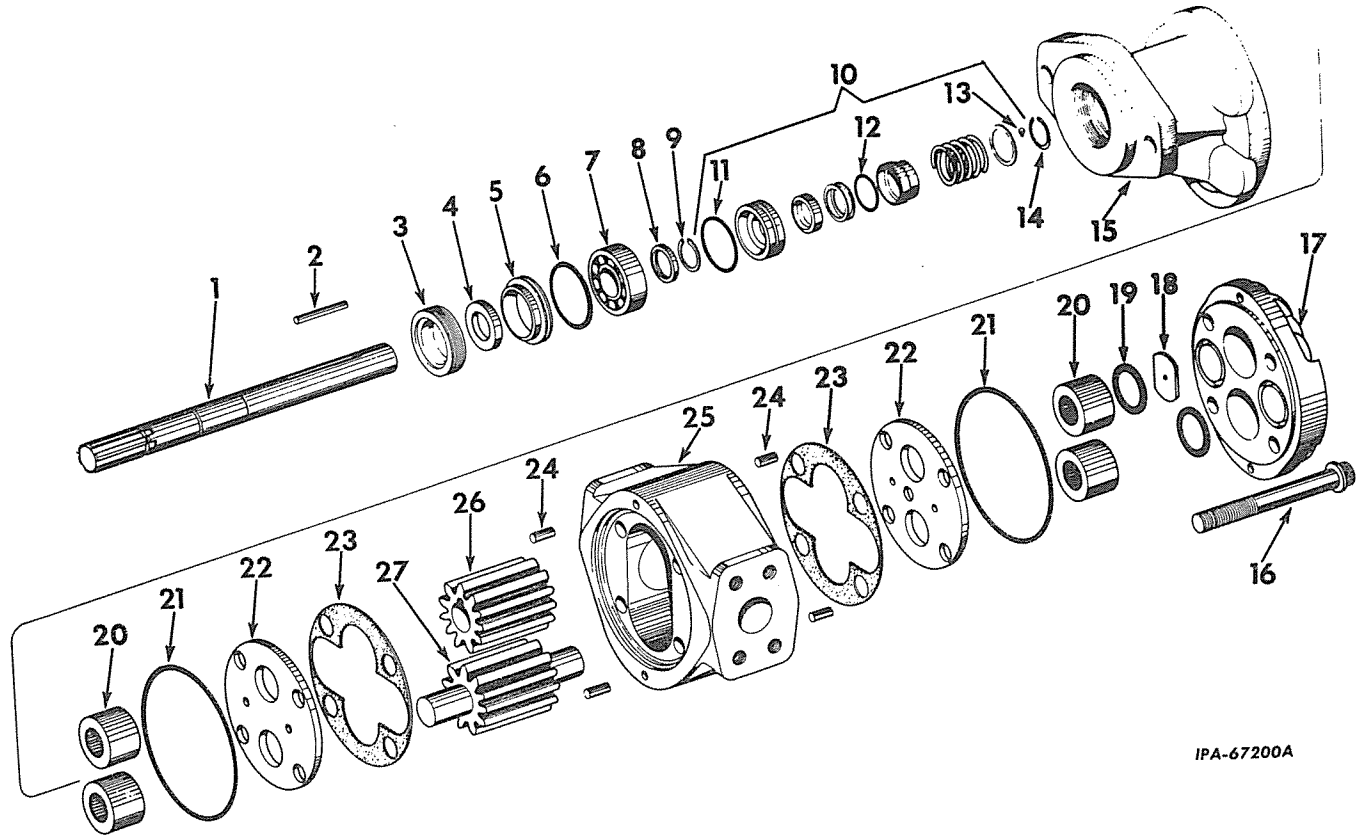
-138-  
**HYDRAULIC SYSTEM**  
**(FOR POWER SHIFT LOADERS)**



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------	----------	-------------	-------------

**HYDRAULIC PUMP AND SPLINED COUPLING**  
(Hydrex)  
L-150P 9866 up

**HYDRAULIC PUMP AND SPLINED COUPLING - Continued**  
(Hydrex)  
L-150P 9866 up



IPA-67200A

Service parts for Hydraulic Pump (Hydrex)  
and Splined Coupling -

347 751 R91	PUMP ASSY, hydraulic (Hydrex No. 2017A17S2AL)	13	321 757 R1	KEY, seal seat
179 885	1/2 x 1-1/2" hex-hd cap SCREW (2)	14	296 939 R1	RING, snap
103 323	1/2" lock WASHER (2) (Consists of Ref. Nos. 1 thru 27)	15	338 546 R1	ADAPTER
1	603 656 C1	16		SCREW, 5/8NF x 3-3/4" soc-hd (4)
2	603 660 C1	17	321 753 R1	COVER, pump
3	321 764 R91	18	321 768 R1	WASHER, thrust
4	321 770 R91	19	293 739 R1	"O" RING, cover (1-3/8 x 1-5/8 x 1/8") (4)
5	321 763 R1	20	321 769 R91	BEARING, roller (4)
6	612 681 R1	21	252 735 R1	"O" RING, housing (5 x 5-1/4 x 1/8") (2)
7	156 483 H1	22	321 765 R1	PLATE, wear (2)
8	321 762 R1	23	296 938 R1	GASKET (X)
9	321 761 R1	23	296 937 R1	GASKET (X)
10	321 755 R91	24	272 843 R1	PIN, locating (4)
11	321 759 R1	25	603 652 C1	HOUSING, pump
12	283 401 R1	26	603 658 C1	GEAR, drive
		27	603 654 C1	GEAR, driven
			299 926 R2	COUPLING, splined
			17 084 R1	PIN, 1/8 x 1-1/4" roll
				(X) - As Required.

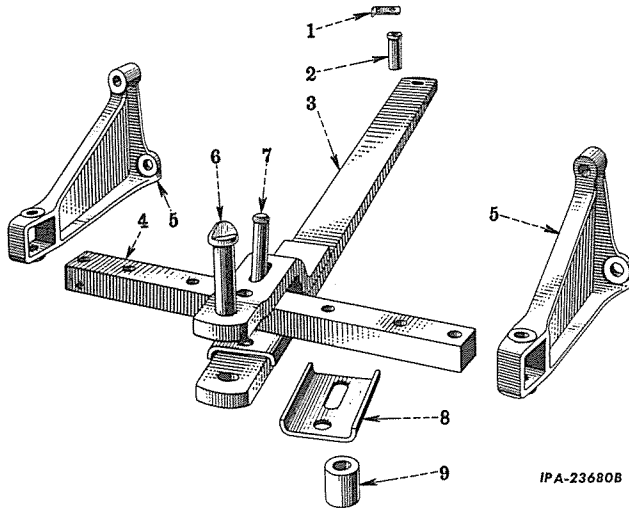


# DRAWBAR



REF. PART NO.	PART NUMBER	DESCRIPTION
---------------	-------------	-------------

DRAWBAR



1	47 772 D	LOCK, drawbar pin 3/8NF x 1" hex-hd cap SCREW 3/8" lock WASHER
2	47 771 D	PIN, drawbar pivot
3	53 921 DA	DRAWBAR
4	47 773 D	GUIDE, drawbar 7/8NF NUT (2) 7/8NF x 4-1/4" hex-hd cap SCREW (2)
5	52 205 D	BRACKET, drawbar guide (2)
6	47 776 D	PIN, drawbar clevis 3/8 x 2-1/4"
7	47 775 D	PIN, drawbar stop 1/4 x 1-1/2" cotter PIN
8	53 925 D	PLATE, drawbar clevis wear (2) 1NF NUT 1NF x 6" hex-hd cap SCREW
9		SPACER, drawbar jaw (1-1/2" double extra strong pipe x 2" long, obtain locally)

MISCELLANEOUS

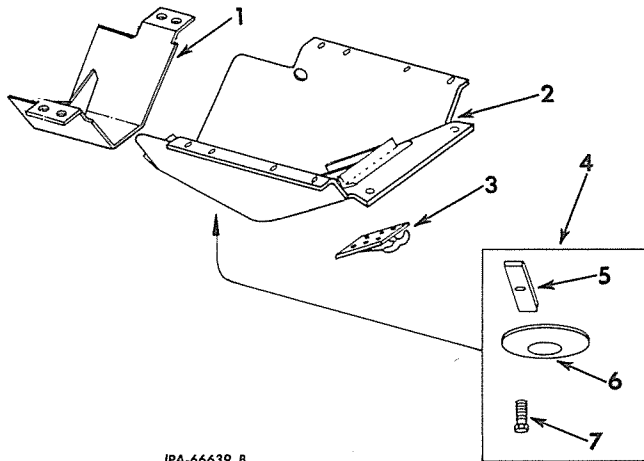


REF. PART NO. NUMBER	DESCRIPTION
----------------------	-------------

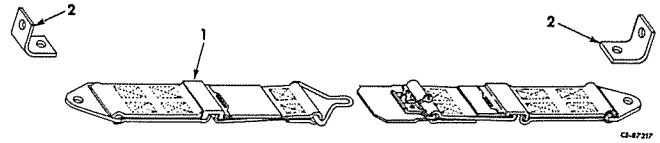
REF. PART NO. NUMBER	DESCRIPTION
----------------------	-------------

CRANKCASE GUARD AND FRONT PULL HOOK

SEAT BELT ATTACHMENT



IPA-66639 B

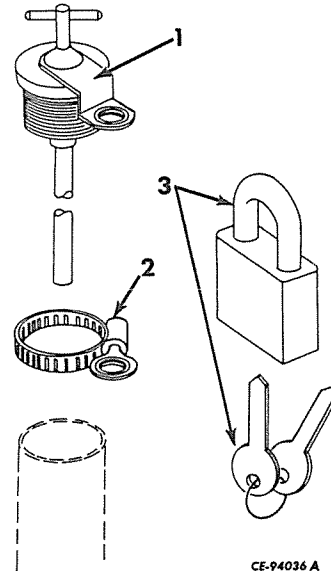


CS-4727

1	331 861 R11 271 611	GUARD, crankcase rear 3/4 x 2" hex-hd cap SCREW (4)
2	330 639 R91 271 556	GUARD, crankcase front 5/8 x 1-1/4" hex-hd cap SCREW (10)
3	5 961 DX	ATTACHMENT, front pull hook (consists of HOOK, 5 961 D) (see NOTES 1 and 3)
3	5 961 D 103 030 271 587	HOOK, front pull 5/8NF NUT (6) 5/8NF x 2" hex-hd cap SCREW (6)
4	67 574 DC	COVER, oil drain hole
5	42 877 DB	SUPPORT, oil drain hole cover
6		COVER, oil drain hole (Not Furnished Separately)
7	179 883	SCREW, 1/2 x 1-1/4" hex-hd cap

703 108 C91	ATTACHMENT, safety seat belt (consists of BELT, 702 248 C1 and BRACKET, 616 167 C1) (see NOTES 1 and 3)
1	702 248 C3 BELT, seat (part of Attachment 703 108 C91) 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	616 167 C1 BRACKET, seat belt hold down (part of Attachment, 703 108 C91) (2) 179 885 1/2 x 1-1/2" hex-hd cap SCREW (2)

OIL LEVEL DIP STICK LOCK



CE-94036 A

628 187 C91	ATTACHMENT, w/INSTALLATION DRAWING 12G9264, engine oil level dip stick lock (see NOTES 1 and 3)
-------------	---

(Consists of the following parts -

1	672 994 C1	DIP STICK, engine oil level
2	623 761 C1	CLAMP, lock
3	650 382 C91	LOCK w/keys, pad

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

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

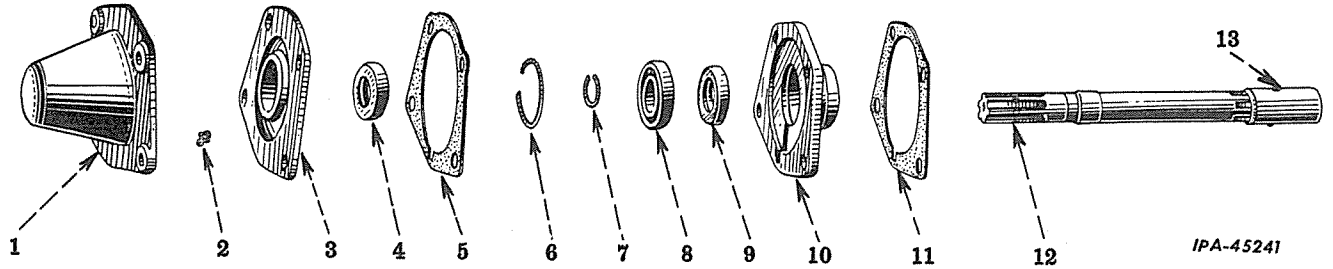
MISCELLANEOUS



REF. PART NO.	PART NUMBER	DESCRIPTION	REF. PART NO.	PART NUMBER	DESCRIPTION
---------------	-------------	-------------	---------------	-------------	-------------

REAR POWER TAKE-OFF

REAR POWER TAKE-OFF - Continued



IPA-45241

	53 962 DA	ATTACHMENT, power take-off rear (see NOTES 1 and 3)	8	ST 205 A	BEARING, ball, power take-off shaft
1	6 843 D	COVER, power take-off shaft end (not for belt pulley) 5/8 x 2" hex-hd cap SCREW (4)	9	53 968 D	OIL SEAL, inner power take-off shaft
2	109 461	FITTING, power take-off shaft bearing lubrication	10	8 392 DA	CAGE, power take-off shaft bearing
3	8 391 D	CAGE, power take-off shaft bearing oil seal	11	49 547 DA	GASKET, power shaft bearing oil seal cage
4	53 967 D	OIL SEAL, outer power take-off shaft bearing	12	53 966 DAX	SHAFT w/COUPLING, 49 548 D, power take-off
5	49 547 DA	GASKET, power take-off shaft bearing cage	13	49 548 D	COUPLING, power take-off shaft 5/16 x 2-5/8" rd-hd steel RIVET
6	512 889 R1	RING, outer power take-off shaft bearing retaining snap			
	48 512 D	RING, inner power take-off shaft bearing retaining snap			

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



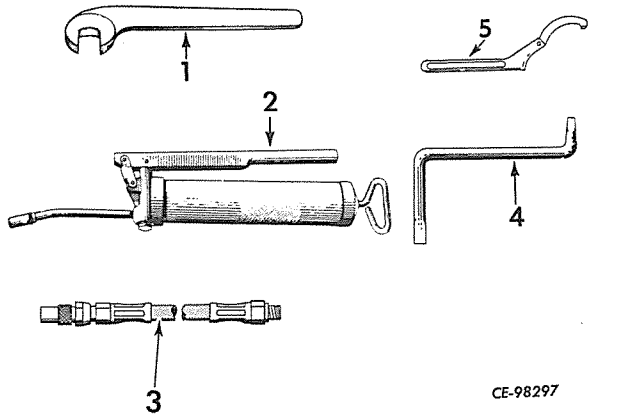
# MISCELLANEOUS



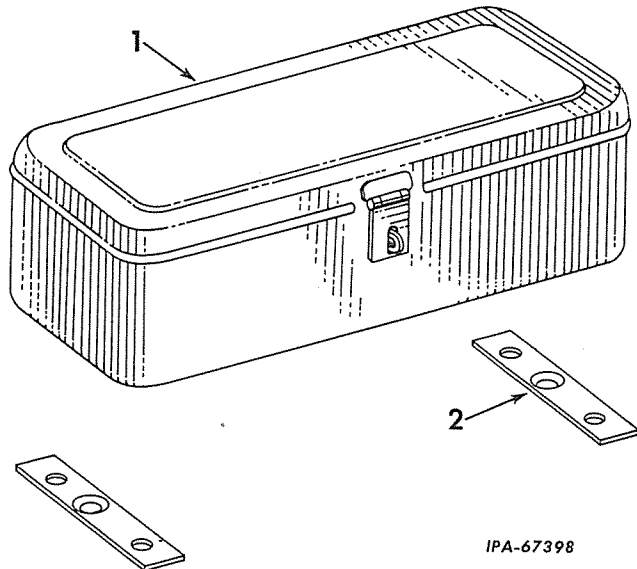
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------	----------	-------------	-------------

**TOOLS**

**TOOL BOX AND PADLOCK**



CE-98297



IPA-67398

1	9 533 DA	WRENCH, front ifler adjuster (*)	A	331 690 R91	ATTACHMENT, tool box 21" less lock and keys (see NOTES 1 and 3)
2	999 677 R91	LUBRICATOR, hand (15 oz. size) (Part of Attachment, 999 677 R91)	B	331 790 R91	ATTACHMENT, tool box 21" w/lock and keys (see NOTES 1 and 3)
3	619 581 C91	EXTENSION, grease gun flexible	C	650 382 C91	ATTACHMENT, pad lock w/keys (see NOTES 1 and 3)
4	304 910 R2	WRENCH, socket plug	1	280 655 R91	BOX, tool (21") ( Attachments A and B) 3/8" NUT (6) 3/8 x 1" slt-fl-hd mach SCREW (2) 3/8 x 1" hex-hd cap SCREW (4) 3/8" lock WASHER (6)
5	611 144 C1	WRENCH, spanner (use to adjust packing of Drott cylinder) (not furnished with machine)		102 635	
	309 015 R91	LUBRICATOR (tank type) (for components see list of parts under details of "LUBRICATOR")		179 839 103 321	
	999 677 R91	ATTACHMENT, hand type lubricator (consists of LUBRICATOR, 999 677 R91) (see NOTES 1 and 3)	2	331 681 R1	SPACER, tool box (2) (Attachments A and B)
				650 382 C91	PADLOCK w/KEY (Attachments B and C)

(\*) - Not Used On Units Equipped With Hydraulic Track Adjuster.

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



MISCELLANEOUS

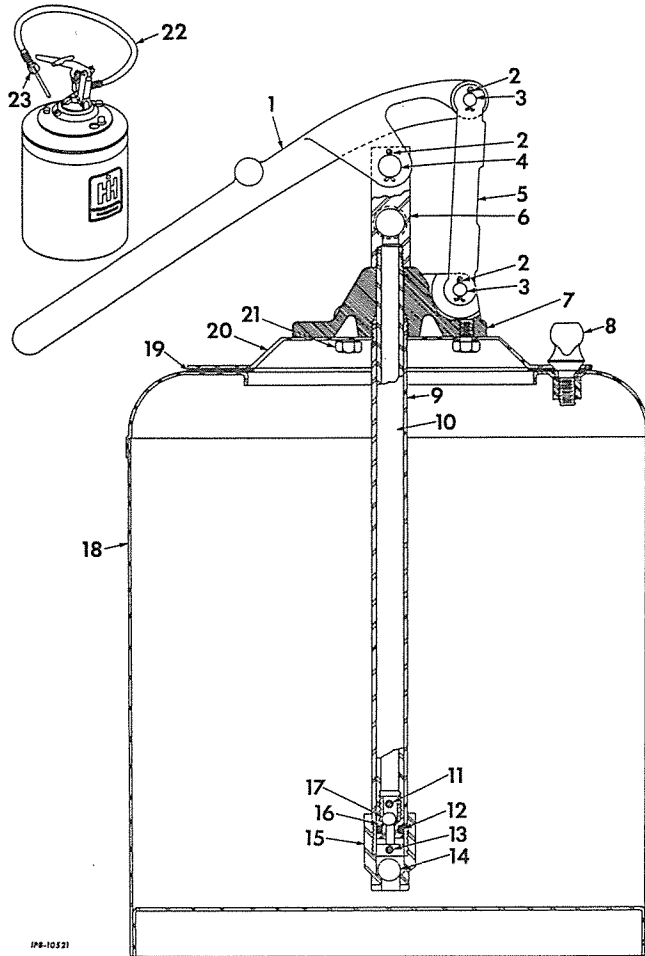


REF. PART  
NO. NUMBER DESCRIPTION

REF. PART  
NO. NUMBER DESCRIPTION

LUBRICATOR  
(Tank Type) (Lincoln Engineering Co.)

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



11	53 200 D	PIN, piston (11174)
12	53 203 D	PACKING, piston (34078)
13	53 201 D	PIN, foot valve (11175)
14	16 014 R1	BALL, check (66030)
15	53 199 D	BODY, foot valve (11173)
16	53 198 D	PISTON, plunger (11172)
17	39 659 D	BALL, pump check (66011)
18	53 209 D	CONTAINER w/GASKET, 278 919 R1 and three SCREW, 55 479 D (81241)
19	278 919 R1	GASKET, container cover (38084)
20	310 924 R91	COVER, container (91777)
21		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) (79036)
23	310 944 R91	NOZZLE, lubricator (700329)

309 015 R91 LUBRICATOR ASSY (consists of the following parts) (700225)

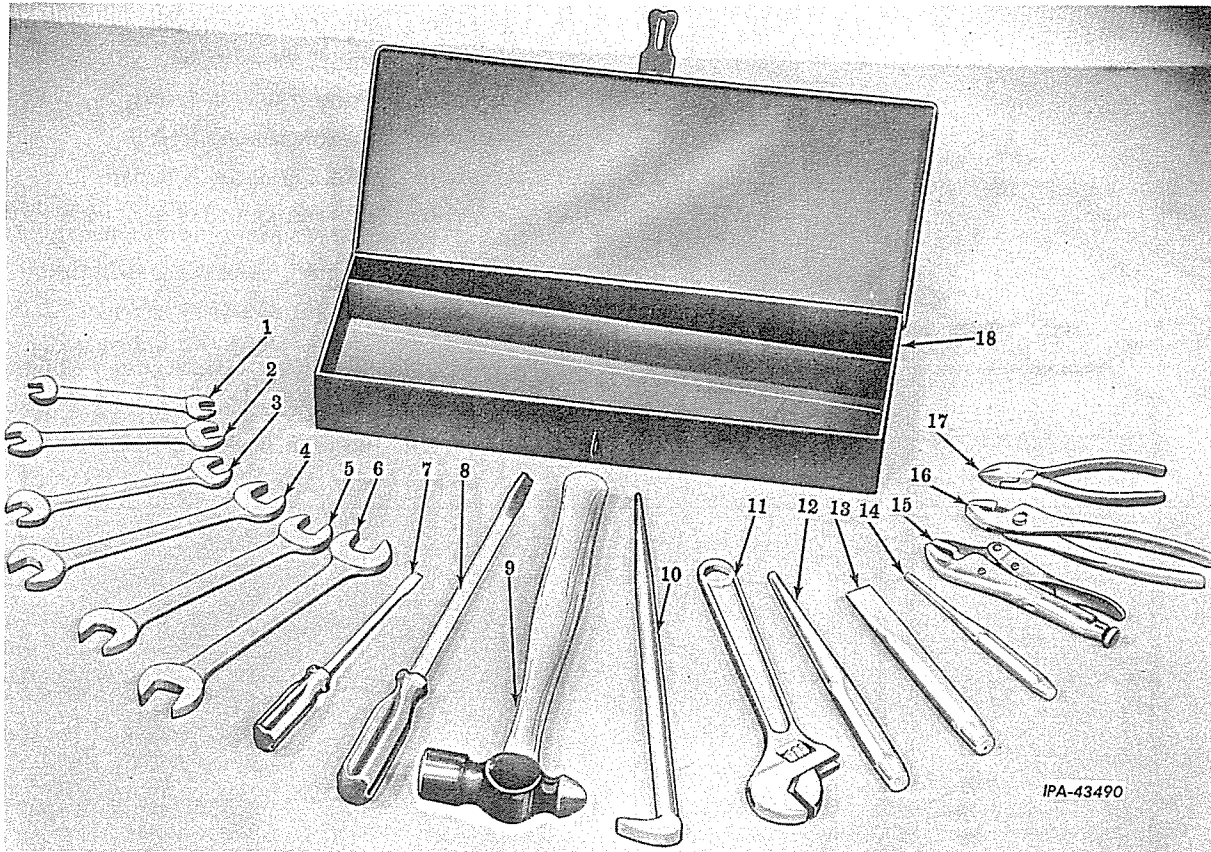
1	55 482 D	HANDLE, lever (40214)
2		PIN, 3/32 x 1/2" cotter (3)
3	40 638 D	PIN, toggle (10472) (2)
4	40 635 D	PIN, handle (10326)
5	277 153 R1	TOGGLE (45744)
6	53 202 D	OUTLET, pump (11551)
7	310 923 R1	BODY, pump (40481)
8	55 479 D	SCREW, container cover (11225) (3)
9	53 206 D	TUBE, pump (62100)
10	53 205 D	ROD, piston (62099)



# MISCELLANEOUS



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



IPA-43490

TOOL SET (consists of seventeen tools and tool box) (also see "Tools" listed in Miscellaneous Equipment Section of Catalog) (see NOTE) (IH Parts Number 276 820 R91)

1	E-1416	WRENCH, end (7/16 x 1/2")	9	BP-32	HAMMER (ball peen)
2	E-1820	WRENCH, end (9/16 x 5/8")	10	PB-32	BAR, pry (9/16" rd x 16" long)
3	E-2022	WRENCH, end (5/8 x 11/16")	11	DA-12	WRENCH (12" adjustable)
4	E-2426	WRENCH, end (3/4 x 13/16")	12	TP-24	PUNCH (5/16" bit x 10" long)
5	E-2628	WRENCH, end (13/16 x 7/8")	13	CC-24	CHISEL (7/8" bit x 8" long)
6	E-3032	WRENCH, end (15/16 x 1")	14	PP-6	PUNCH (3/16" bit x 10" long)
7	SS-83	SCREWDRIVER (1/4" shank)	15	719	WRENCH, vise grip (7")
8	SS-123	SCREWDRIVER (3/8" shank)	16	712-A	PLIER (slip joint, 8")
			17	700-B	CUTTER, diagonal (6")
			18	H-190	BOX, tool

NOTE - Order Individual Tools And Complete Tool Sets From Service Tools, Inc., 1901 S. Indiana Ave., Chicago 16, Illinois.

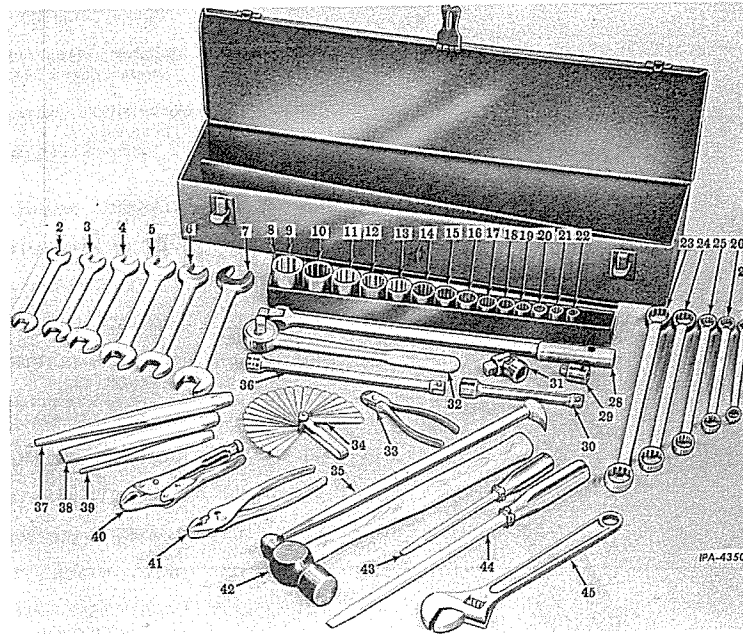
# MISCELLANEOUS



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 forty-three tools and tool box) (also see "Tools" listed in Miscellaneous Equipment Section of catalog) (IH Part Number 276 821 R91) (see NOTE)	25	B-2024	WRENCH, box (5/8 x 3/4")
1	H-391	BOX, tool	26	B-1820	WRENCH, box (9/16 x 5/8")
2	E-1416	WRENCH, end (7/16 x 1/2")	27	B-1416	WRENCH, box (7/16 x 1/2")
3	E-1820	WRENCH, end (9/16 x 5/8")	28	H-177	HANDLE, flex
4	E-2022	WRENCH, end (5/8 x 11/16")	29	D-1612	ADAPTER (1/2" female, 3/8" male)
5	E-2426	WRENCH, end (3/4 x 13/16")	30	H-172	EXTENSION (6")
6	E-2628	WRENCH, end (13/16 x 7/8")	31	H-189	JOINT, universal
7	E-3032	WRENCH, end (15/16 x 1")	32	H-163	RATCHET (reversible)
8	195	TRAY	33	700-B	CUTTER, diagonal (6")
9	140	SOCKET (1-1/4")	34	861	GAUGE, feeler (25 blades)
10	138	SOCKET (1-3/16")	35	PB-43	BAR, pry (9/16" rd x 16" long)
11	136	SOCKET (1-1/8")	36	H-173	EXTENSION (10")
12	134	SOCKET (1-1/16")	37	TP-24	PUNCH (5/16" bit x 10" long)
13	132	SOCKET (1")	38	CC-24	CHISEL (7/8" bit x 8" long)
14	130	SOCKET (15/16")	39	PP-6	PUNCH (3/16" bit x 7" long)
15	128	SOCKET (7/8")	40	719	WRENCH, vise grip (7")
16	126	SOCKET (13/16")	41	712-A	PLIER (slip joint, 8")
17	124	SOCKET (3/4")	42	BP-32	HAMMER (ball peen)
18	122	SOCKET (11/16")	43	SS-83	SCREWDRIVER (1/4" shank)
19	120	SOCKET (5/8")	44	SS-123	SCREWDRIVER (3/8" shank)
20	118	SOCKET (9/16")	45	DA-12	WRENCH (12" adjustable)
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")			

NOTE - Order Individual Tools And Complete Tool Sets From Service Tools, Inc., 1901 S. Indiana Ave., Chicago, Illinois 60616

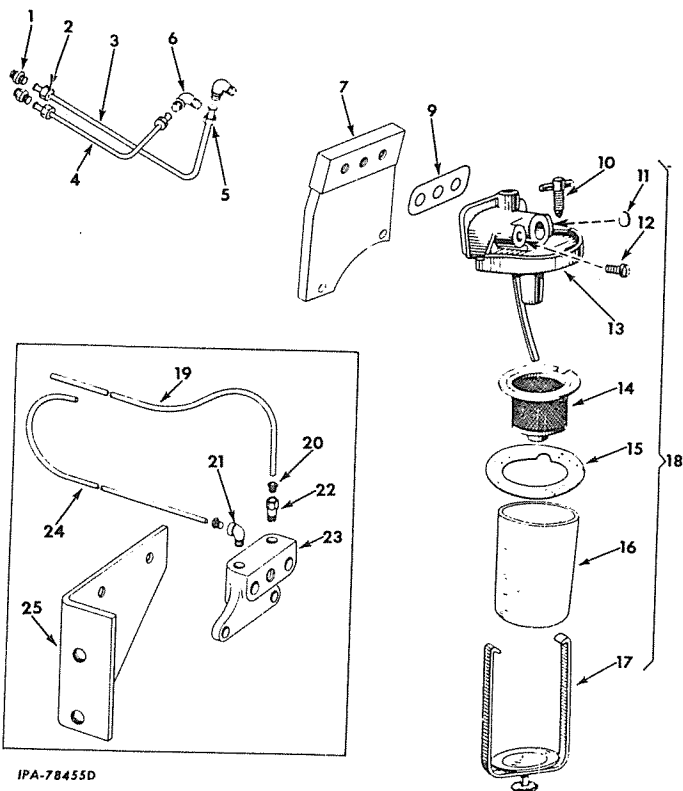
# MISCELLANEOUS



REF. PART NO. NUMBER	DESCRIPTION	REF. PART NO. NUMBER	DESCRIPTION
----------------------	-------------	----------------------	-------------

**WATER TRAP**

**WATER TRAP - Continued**



IPA-78455D

5	265 205 R1	NUT, water trap outlet to filter tube (2 for Water Trap B)
6	606 845 C1	ELBOW, flex, 1/4NPT x 3/8" tube (at water trap) (2 for Water Trap B)
7	700 283 C1	BRACKET, water trap support (Water Trap B) 3/8 x 1-1/4" hex-hd cap SCREW (2)
9	51 527 DC	GASKET, water trap
10	279 173 R1	SCREW, water trap drain
11	24 805 D	PLUG, 3/8" brs. expansion (type No. 1)
12	60 871 DA	SCREW, water trap vent
13	251 380 R91	TOP w/drain PIPE and PLUG, 24 805 D, water trap 1/2 x 3" hex-hd cap SCREW 1/2" lock WASHER
14	251 348 R91	SCREEN, water trap
15	260 708 R2	GASKET, water trap bowl
16	60 877 D	GLASS, water trap
17	60 878 DX	BAIL, w/thumb SCREW, water trap
18	251 355 R91	TRAP ASSY, water (Composed of - 1 BAIL 60 878 DX 1 GASKET 260 708 R2 1 GLASS 60 877 D 1 SCREEN 251 348 R91 1 SCREW 60 871 DA 1 SCREW 279 173 R1 1 TOP 251 380 R91)
19	341 823 R1	TUBE, front fuel supply to water trap inlet (Water Trap A)
20	37 165 D	NUT, fuel tube (2 for Water Trap A)
21	37 323 D	ELBOW, fuel tube (Water Trap A)
22	38 026 DM	CONNECTOR, fuel tube (Water Trap A)
23	9 311 D	BRACKET (Water Trap A) 3/8" NUT (2) 3/8 x 1-1/8" hex-hd cap SCREW (2) 3/8" lock WASHER (2)
24	341 822 R1	TUBE, water trap to fuel filter (outlet) (together w/ELBOW, 37 323 D will work for 331 773 R1) (Water Trap A)
25	331 779 R1	BRACKET, water trap mounting (Water Trap A) 1/2" NUT (2) 1/2 x 1-3/8" hex-hd cap SCREW (2) 1/2" lock WASHER (2)

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

A		Service parts for water trap mounted on RH side main frame channel.
B	612 626 C92	ATTACHMENT, water trap (mounted on engine front cover) (see NOTE 3)
1	603 867 C1	UNION, 3/8" tube flexible (Water Trap B)
2	265 205 R1	NUT, water trap inlet to fuel supply tube (2 for Water Trap B)
3	612 628 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, water trap inlet to fuel supply tube (Water Trap B)
	265 204 R1	SLEEVE, water trap inlet to fuel supply tube (2 for Water Trap B)
4	616 283 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, water trap outlet to filter (Water Trap B)
	265 204 R1	SLEEVE, water outlet to filter tube (2 for Water Trap B)
	37 323 D	ELBOW, fuel tube (at filter) (Water Trap A)
	606 845 C1	ELBOW, 1/4NPT x 3/8" tube flexible (at filter) (Water Trap B)
	37 165 D	NUT, elbow and union (3 for Water Trap A)
	265 205 R1	NUT, 3/8" tube flexible (fuel supply tube) (Water Trap B)
	265 204 R1	SLEEVE, 3/8" tube flexible (fuel supply tube) (Water Trap B)
	55 999 D	UNION, 3/8 x 9/16" (Water Trap A)

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

MISCELLANEOUS

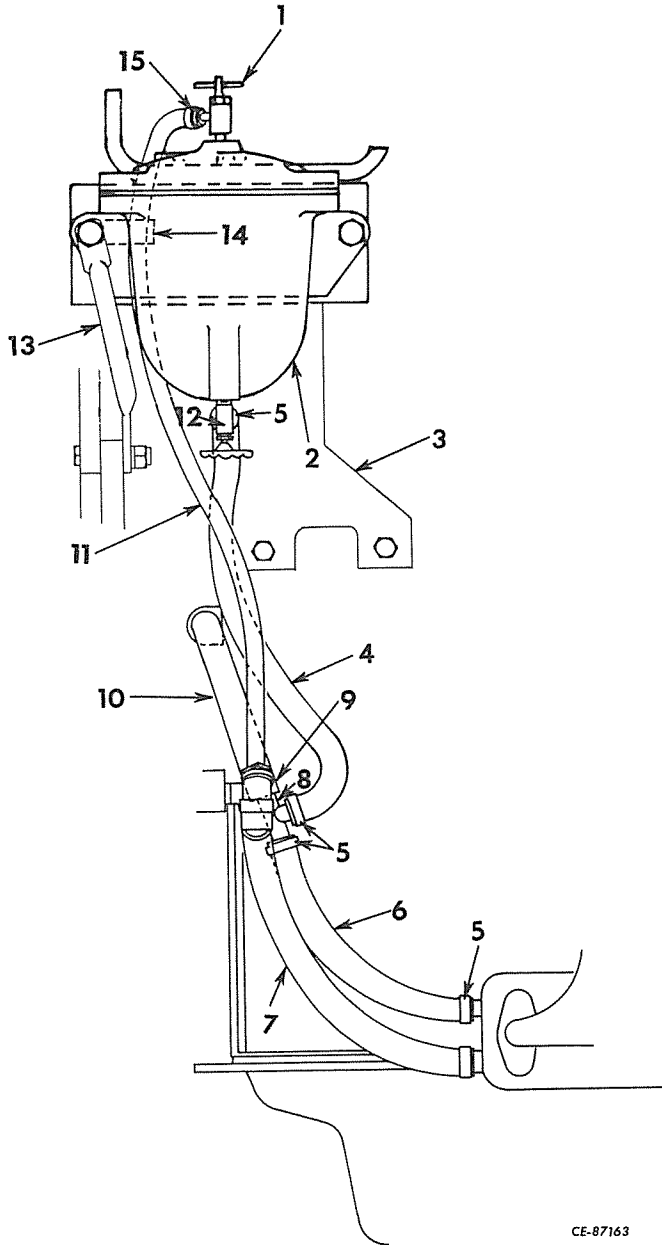


REF. PART  
NO. NUMBER DESCRIPTION

REF. PART  
NO. NUMBER DESCRIPTION

WATER CONDITIONER  
(Perry)

WATER CONDITIONER - Continued  
(Perry)



	701 022 C91	ATTACHMENT, water conditioner (see NOTE 4)
1	321 840 C91	VALVE, outlet
2	428 541 R91	FILTER, water (for components see list of parts under details of "Water Filter")
	102 637	1/2" NUT (2)
	179 890	1/2 x 2-1/4" hex-hd cap SCREW (2)
	103 323	1/2" lock WASHER (2)
3	612 235 C11 179 842	BRACKET, water conditioner 3/8 x 1-3/8" hex-hd cap SCREW (2)
4	150 955 R1	HOSE, inlet
5	233 384 R91	CLAMP, hose (4)
6	612 239 C1	HOSE, inlet cooler
7		Not Furnished As Part Of Attachment
8	449 373 R1	TEE, hose (5/8" OD)
9	444 138	TEE, pipe
	171 809 R1	ELBOW, hose
	615 460 C1	NIPPLE, hose
	120 322	REDUCER, pipe
10	684 154 R1	HOSE, inlet cooler (upper)
11	612 240 C1	HOSE, outlet
12	610 789 C91	VALVE, filter inlet
13	612 238 C1 271 500 179 867 103 322	BRACE, water conditioner 7/16" NUT 7/16 x 2-1/4" hex-hd cap SCREW 7/16" lock WASHER
14	308 580 R1	CLIP, hose
15	526 611 R91	CLAMP, hose (2)

CE-87163

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



# MISCELLANEOUS

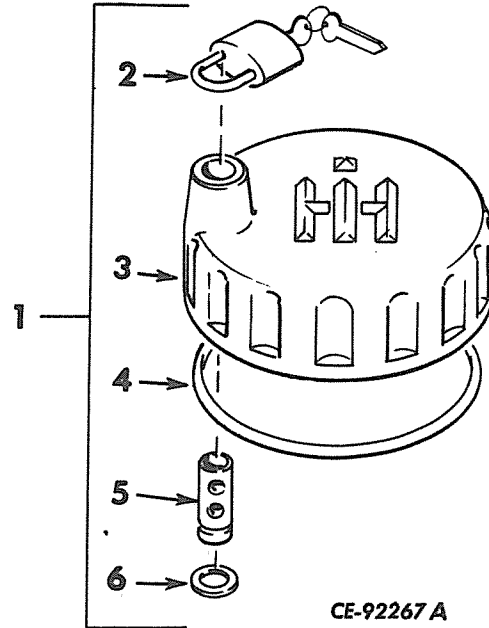
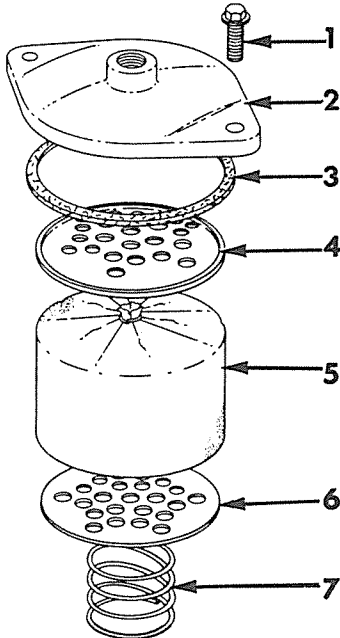


REF. PART NO.	PART NUMBER	DESCRIPTION
---------------	-------------	-------------

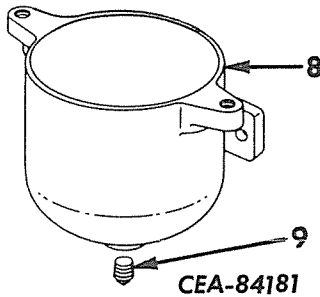
REF. PART NO.	PART NUMBER	DESCRIPTION
---------------	-------------	-------------

**WATER FILTER**  
(Part of Attachment 701 022 C91)

**LOCKING CAP**



**CE-92267 A**



**CEA-84181**

701 980 C92 ATTACHMENT, locking cap (Used only with fuel tank CAP, 701 922 C2) (See NOTES 1 and 3)

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

428 541 R91 FILTER ASSY, water  
(Consists of the following parts -

- |   |             |                                 |
|---|-------------|---------------------------------|
| 1 | 313 586 R91 | BOLT w/lock WASHER (2)          |
| 2 | 237 358 R1  | COVER, water filter             |
| 3 | 237 361 R1  | GASKET, water filter cover      |
| 4 | 237 363 R1  | PLATE, upper                    |
| 5 | 237 364 R91 | CARTRIDGE, water filter         |
| 6 | 237 362 R1  | PLATE, lower                    |
| 7 | 237 360 R1  | SPRING, cartridge support       |
| 8 |             | BODY (Not Furnished Separately) |
| 9 | 444 577     | PLUG, 1/4" drain                |

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

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



# MISCELLANEOUS

REF. PART NO. NUMBER	DESCRIPTION
----------------------	-------------

REF. PART NO. NUMBER	DESCRIPTION
----------------------	-------------

**ALTITUDE COMPENSATION ATTACHMENT**  
(For Units Equipped With Roosa-Master Fuel Injection Pump)

**WATCHDOG FUEL FILTER**  
(For Units Equipped with Roosa-Master Fuel Injection Pump)  
(Used on Power Shift Loaders)

331 732 R91 ATTACHMENT, altitude compensation (see NOTE 2)  
L-150P 6519 to 15964  
Also 15994 to 16217  
Except 15996

(Consists of the following parts -

- AIR CLEANER and CONNECTIONS (used on power shift loader equipped with altitude compensation attachment (\*)
- Intake and Exhaust Manifold (used on power shift loader equipped with altitude compensation attachment (\*)
- Turbocharger and Piping (used on power shift loader equipped with altitude compensation attachment (\*)
- 1 019 019 R2

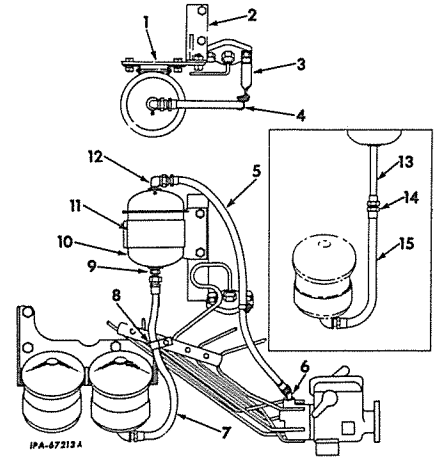
**INSTALLING INSTRUCTIONS**

624 916 C91 ATTACHMENT, altitude compensation  
(When an air pipe extension is desired air pipe extension attachment 331794R91 must be used)  
(See NOTE 2)

L150 P 15965 to 15993 and 16218 up also 15996

(Consists of

- 1 ADAPTER 321359R1
- 4 BOLT 304426R1
- 1 BRACKET 316053 R1
- 2 CLAMP 274089R1
- 2 CLAMP 276223R91
- 1 CLAMP 318380R1
- 2 CLAMP 122316R91
- 2 CLAMP 279038R91
- 1 CONNECTOR 610858C1
- 1 DRAWING 12G6745
- 2 ELBOW 120063
- 1 ELBOW 316052R2
- 1 FLANGE 318379R1
- 2 GASKET 278313R1
- 2 GASKET 278314R1
- 1 GASKET 304854R1
- 1 GASKET 304391R2
- 1 GASKET 253660R1
- 1 GASKET 253664R2
- 1 GASKET 369497R2
- 1 HOSE 407015R1
- 1 HOSE 606696C91
- 1 HOSE 312109R1
- 1 HOSE 310385R1
- 4 LOCK 50408D
- 1 MANIFOLD 306656R1
- 2 NIPPLE 171823R1
- 1 PIPE 331703R1
- 1 PIPE 330737R11
- 1 PIPE 306660R11
- 1 PLATE 312552R1
- 1 PLUG 444576
- 1 RETAINER 320537R1
- 1 RETAINER 716050R1
- 1 SLEEVE 316051R1
- 1 SPRING 318987R1
- 1 TUBE 611429C11
- 1 TUBE 308361R11
- 1 TURBO-CHARGER 324032R91)



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

- |    |             |  |
|----|-------------|--|
| A  |             | Service parts for watchdog fuel filter<br>L-150GM 5698 to 6673<br>L-150PM 5698 to 6674   |
| B  |             | Service parts for watchdog fuel filter<br>L-150GM 10995 up<br>L-150PM 10995 up   |
| 1  | 315 973 R2  | PLATE, filter bracket<br>3/8" NUT (2)<br>3/8 x 7/8" hex-hd cap SCREW (2)<br>3/8" lock WASHER (2)<br>13/32 x 13/16" x 16 ga. WASHER (2)   |
| 2  | 332 112 R21 | BRACKET, fuel filter support<br>3/8 x 1-1/8" hex-hd cap SCREW (2)<br>3/8" lock WASHER (2)  |
| 3  | 332 603 R1  | BRACKET, fuel hose clamp   |
| 4  | 338 822 R1  | CLAMP, filter outlet hose<br>No. 8 x 1/2" slt-rd-hd tapping SCREW  |
| 5  | 271 140 R91 | HOSE, filter outlet  |
| 6  | 121 619     | ELBOW, pump inlet (1/4" x 45° street)  |
| 7  | 277 031 R91 | HOSE, filter inlet (Service Part A)  |
| 8  | 277 544 R1  | CLAMP, inlet hose (Service Part A)   |
| 9  | 118 750     | CONNECTOR, filter inlet (3/8")<br>(Service Part A)   |
| 10 | 277 025 R93 | FILTER, watchdog fuel  |
| 11 | 304 104 R91 | BRACKET, fuel filter<br>5/16" NUT (4)<br>5/16 x 3/4" hex-hd cap SCREW (4)<br>5/16" lock WASHER (4)<br>11/32 x 11/16" x 16 ga. WASHER (4) |
| 12 | 118 755     | ELBOW, filter outlet (3/8" x 90°)  |
| 13 | 119 247     | NIPPLE, filter inlet (1/4 x 4" long)<br>(Service Part B)   |
| 14 | 121 323     | CONNECTOR, final filter hose to nipple<br>(Service Part B)   |
| 15 | 275 946 R91 | HOSE w/FITTINGS, final fuel filter to watchdog fuel filter inlet nipple connector<br>(HOSE, 5/16" ID x 14-1/2" long w/ FITTINGS)         |

(\*) - Details Of Parts Are Listed In The Standard Parts Section Of This Catalog.  
NOTE 2 - Field Application - Order On Machine Order Form.



# MISCELLANEOUS

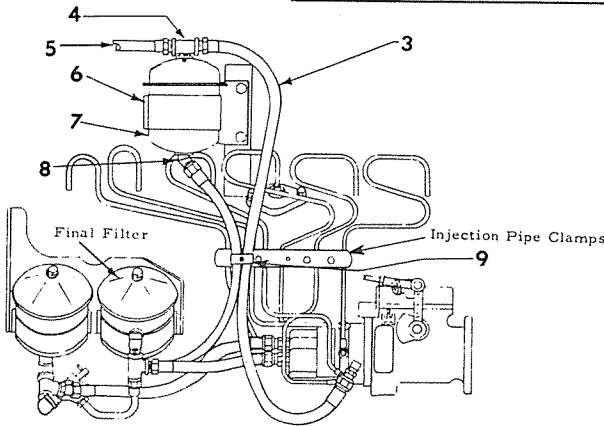
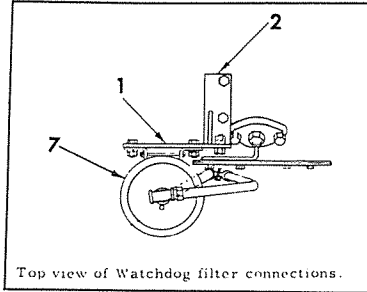


REF. PART NO.	PART NUMBER	DESCRIPTION
---------------	-------------	-------------

REF. PART NO.	PART NUMBER	DESCRIPTION
---------------	-------------	-------------

**WATCHDOG FUEL FILTER**  
 (For Units With International R. D. Fuel Injection Pump)  
 L-150GM 5698 to 7765, L-150PM 5698 to 7765

**WATCHDOG FUEL FILTER - Continued**  
 (For Units With International R. D. Fuel Injection Pump)  
 L-150GM 5698 to 7765, L-150PM 5698 to 7765



IPA-78463

- |   |                          |   |
|---|--------------------------|---|
| 5 | 606 243 C91              | HOSE w/FITTINGS, gauge to watchdog filter tee (HOSE, 1/4" ID x 13-1/2" long w/FITTINGS) (Service Parts B) |
| 6 | 304 104 R91              | BRACKET, fuel filter<br>5/16" NUT (4)<br>5/16 x 3/4" hex-hd cap SCREW (4)<br>5/16" lock WASHER (4)        |
| 7 | 343 893 R91              | FILTER, watchdog fuel   |
| 8 | 9 402 800                | ELBOW, filter inlet (3/8" x 45°)  |
| 9 | 328 681 R1<br>262 038 R1 | CLAMP, double hose (2)<br>NUT, speed<br>1/4 x 3/4" slt-mach SCREW<br>9/32 x 5/8" WASHER                   |
|   | 444 584                  | PLUG, 3/8" sq-hd pipe   |
|   | 9 402 745                | CONNECTOR, hose to gauge (1/4" OD tube) (Service Parts B)   |

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

- |   |             |   |
|---|-------------|---|
| A |             | Service parts for watchdog fuel filter (for manual shift loaders) (*)<br>L-150GM 5698 to 7765                                   |
| B |             | Service parts for watchdog fuel filter (for power shift loaders) (*)<br>L-150PM 5698 to 7765                                    |
| 1 | 315 973 R2  | PLATE, watchdog filter bracket<br>3/8" NUT (2)<br>3/8 x 7/8" hex-hd cap SCREW (2)<br>3/8" lock WASHER (2)                       |
| 2 | 332 112 R21 | BRACKET, fuel filter support<br>3/8 x 1-1/8" hex-hd cap SCREW (2)<br>3/8" lock WASHER (2)<br>13/32 x 13/16" x 16 ga. WASHER (2) |
| 3 | 346 734 R91 | HOSE w/FITTINGS, watchdog filter to injection pump (HOSE, 3/8" ID x 40" long w/FITTINGS)  |
| 4 | 444 136     | TEE, watchdog filter outlet (3/8")  |
| 5 | 606 850 C91 | HOSE w/FITTINGS, gauge to watchdog filter tee (HOSE, 1/4" ID x 22" long including FITTINGS) (Service Parts A)                   |

(\*) - For Use With International R. D. Fuel Injection Pump.

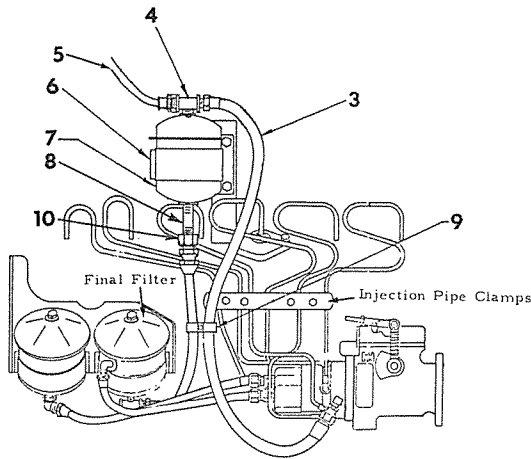
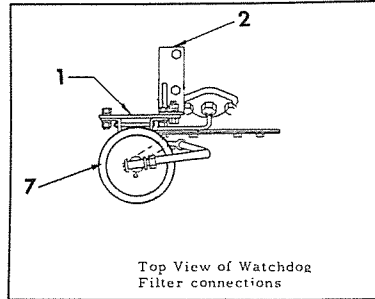


MISCELLANEOUS



REF. PART NO. NUMBER DESCRIPTION

WATCHDOG FUEL FILTER  
(For Units With International R. D. Fuel Injection Pump)  
L-150GM 7766 to 10994, L-150PM 7766 to 10994



IPA-78462A

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

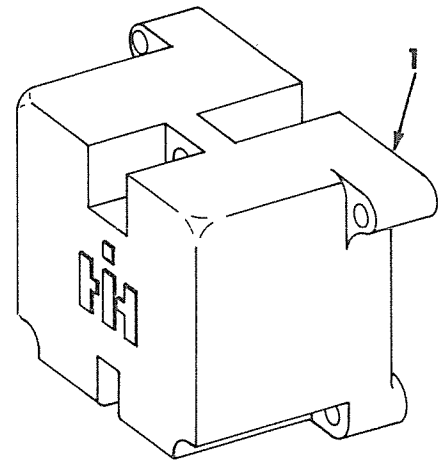
A		Service parts for watchdog fuel filter (for manual shift loaders) (*) L-150GM 7766 to 10994
B		Service parts for watchdog fuel filter (for power shift loaders) (*) L-150PM 7766 to 10994
1	315 973 R2	PLATE, watchdog filter bracket 3/8" NUT (2) 3/8 x 7/8" hex-hd cap SCREW (2) 3/8" lock WASHER (2)
2	332 112 R21	BRACKET, fuel filter support 3/8 x 1-1/8" hex-hd cap SCREW (2) 3/8" lock WASHER (2) 13/32 x 13/16" x 16 ga. WASHER (2)
3	347 837 R91	HOSE w/FITTINGS, watchdog filter to injection pump (HOSE, 3/8" ID x 40" long w/FITTINGS)
4	444 134	TEE, watchdog filter outlet (1/4")

REF. PART NO. NUMBER DESCRIPTION

WATCHDOG FUEL FILTER - Continued  
(For Units With International R. D. Fuel Injection Pump)  
L-150GM 7766 to 10994, L-150PM 7766 to 10994

5	606 850 C91	HOSE w/FITTINGS, gauge to watchdog filter tee (HOSE, 1/4" ID x 22" long including FITTINGS) (Service Parts A)
5	606 243 C91	HOSE w/FITTINGS, gauge to watchdog filter tee (HOSE, 1/4" ID x 13-1/2" long w/FITTINGS) (Service Parts B)
6	304 104 R91	BRACKET, fuel filter 5/16" NUT (4) 5/16 x 3/4" hex-hd cap SCREW (4) 5/16" lock WASHER (4) 11/32 x 11/16" x 16 ga. WASHER (4)
7	277 025 R93	FILTER, watchdog fuel
8	192 052	NIPPLE, watchdog filter inlet (1/4 x 1-1/2")
9	328 681 R1 262 038 R1	CLAMP, double hose (2) NUT, speed 1/4 x 3/4" slt-mach SCREW 9/32 x 5/8" WASHER
10	9 402 747 444 024 9 402 745	CONNECTOR, watchdog filter inlet REDUCER (1/4 to 1/8") CONNECTOR, hose to gauge (1/4" OD tube) (Service Parts B)

COUNTERWEIGHT



IPA-82097

1	602 001 C1	COUNTERWEIGHT (not compatible with scarifier, towing winch, or other rear mounted equipment) (mounting hardware for counterweight is furnished by Drott)
---	------------	--

(\*) - For Use With International R. D. Fuel Injection Pump.



# MISCELLANEOUS



REF. PART NO. NUMBER	DESCRIPTION	REF. PART NO. NUMBER	DESCRIPTION
----------------------	-------------	----------------------	-------------

PRODUCT GRAPHICS

PRODUCT GRAPHICS - Continued

The following identification and instructional Product Graphics are available.

311 263 R1	PRODUCT GRAPHIC, IH emblem (#) L-150G 6519 to 13076 L-150P 6501 to 13029
345 610 R91	PRODUCT GRAPHIC, IH emblem (for loaders painted yellow) L-150G 6519 to 13076 L-150P 6501 to 13029
2 752 311 R1	PRODUCT GRAPHIC, International (#)
2 750 387 R1	PRODUCT GRAPHIC, primary fuel filter instruction
2 750 390 R1	PRODUCT GRAPHIC, final fuel filter instruction
2 751 309 R2	PRODUCT GRAPHIC, model symbol (#) (*) (†) (2)
2 751 389 R1	PRODUCT GRAPHIC, fuel pump warning (for units equipped with International R. D. fuel injection pump w/externally mounted priming valve)
2 751 392 R1	PRODUCT GRAPHIC, fuel pump priming (for units equipped with International R. D. fuel injection pump w/externally mounted priming valve)

604 920 C91 PACKAGE, instruction product graphics field service (for Loaders painted I. H. yellow)

(Consists of the following -

- §1 PRODUCT GRAPHIC, air cleaner (instructions)
- §1 PRODUCT GRAPHIC, engine running with tractor stopped
- §1 PRODUCT GRAPHIC, engine starting procedure
- §1 PRODUCT GRAPHIC, engine start warning
- §1 PRODUCT GRAPHIC, fuel filter (instructions)
- §1 PRODUCT GRAPHIC, fuel priming procedure (for units equipped with International R. D. fuel injection pump w/internal priming valve)
- §1 PRODUCT GRAPHIC, fuel pump priming
- §1 PRODUCT GRAPHIC, fuel pump warning
- §1 PRODUCT GRAPHIC, fuel tank drain
- §1 PRODUCT GRAPHIC, generator warning
- §1 PRODUCT GRAPHIC, lubricating oil filter instructions
- §1 PRODUCT GRAPHIC, master switch warning
- §1 PRODUCT GRAPHIC, oil pressure warning
- §1 PRODUCT GRAPHIC, on-off master switch
- §2 PRODUCT GRAPHIC, rear power take-off shaft rotation
- §3 PRODUCT GRAPHIC, shifting diagram
- §1 PRODUCT GRAPHIC, shifter plate hand lever gate
- §2 PRODUCT GRAPHIC, suction and safety filter
- §1 PRODUCT GRAPHIC, travel direction change )

603 288 C93 PACKAGE, product identification product graphic field service (for Loaders painted I. H. yellow)

(Consists of the following -

- §2 PRODUCT GRAPHIC, agricultural
- §1 PRODUCT GRAPHIC, "IHC of Canada"
- §3 PRODUCT GRAPHIC, "IH" monogram
- §3 PRODUCT GRAPHIC, "International"
- §2 PRODUCT GRAPHIC, "TD-9 Power Shift" model symbol
- §2 PRODUCT GRAPHIC, "TD-9 Dozer" model symbol
- §2 PRODUCT GRAPHICS, "SERIES B" model symbol
- §2 PRODUCT GRAPHICS, "150" model symbol )

- § - Not Furnished Separately
- (#) - Used On Loaders Painted Other Than Yellow.
- (†) - Used On Power Shift Loader.
- (\*) - Used On Manual Shift Loader.



# MISCELLANEOUS



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
PACKAGE ASSORTED GASKETS			PACKAGE ASSORTED GASKETS - Continued		
332 652 R91		GASKET SET, crankcase (Consists of the following gaskets -	604 739 C91		PACKAGE, transmission gasket field service (for use on Power Shift Loaders) (Consists of the following -
310 665 R1		BOOT, seal (2)	327 922 R1		GASKET, pump mounting housing cover
69 674 R1		GASKET, water pump plate	327 923 R1		GASKET, pump mounting housing
69 676 R1		GASKET, water pump	327 925 R1		GASKET, transmission countershaft front bearing retainer
349 038 R1		GASKET, oil cooler manifold	327 928 R1		GASKET, pump drive housing cover
251 403 R1		GASKET, relief valve plug	327 945 R1		GASKET, converter supply pump
369 982 R1		GASKET, push rod cover	331 461 R1		GASKET, transmission front cover
369 981 R1		GASKET, breather pipe flange	355 967 R1		GASKET, pump drive housing
278 265 R1		GASKET, crankcase front plate	604 365 C2		GASKET, gear shift housing
278 268 R1		GASKET, crankcase front cover	264 681 R1		"O" RING, pump drive housing cover
278 270 R2		GASKET, injection pump gear cover	252 739 R1		RING, pump drive housing support sealing (4)
369 984 R1		GASKET, crankcase oil pan	259 246 R1		RING, converter stator support quill - sealing
3 405 H		GASKET, oil pan drain plug	708 560 R1		RING, pump inlet and outlet pipe (2)
353 936 R2		GASKET, oil pan shaft support	610 411 C1		RING, pump drive housing support sealing
278 347 R1		GASKET, injection pump adapter	324 223 R2		RING, accelerating piston (2)
51 527 DC		GASKET, water trap	324 224 R2		RING, piston and piston housing sealing (2)
69 607 R1		GASKET, oil pump body	324 226 R1		RING, clutch piston sealing
304 279 R1		GASKET, lubricating oil filter base	324 227 R1		RING, piston housing sealing
3 405 H		GASKET, lubricating oil pressure relief valve plug	325 059 R1		RING, input shaft sealing (4)
304 854 R1		GASKET, oil filter case	327 420 R1		RING, pump drive gear sealing
304 012 R1		GASKET, center tube	343 700 R1		RING, pump cover to housing sealing
304 720 R1		"O" RING, pilot tube	355 967 R1		RING, pump drive housing support sealing (2)
350 684 R1		"O" RING, oil cooler to manifold (2)	461 173 R1		RING, transmission filler pipe sealing
310 446 R95		GASKET SET, valve grinding (Consists of the following gaskets -	468 339 R1		RING, converter stator support quill sealing
278 280 R1		GASKET, thermostat housing	604 740 C91		PACKAGE, torque converter gasket field service (for use on Power Shift Loaders) (consists of GASKET, 158 512 R1, RING, 158 503 R1 and RING, 341 808 R1)
278 308 R1		GASKET, valve cover	PLATES		
278 313 R2		GASKET, exhaust manifold - ends (2)	271 668 R1		PLATE, number
278 314 R1		GASKET, exhaust manifold - center (2)	350 513		RIVET, 7/64 x 3/8" (4)
601 509 C1		GASKET, cylinder head	312 552 R1		PLATE, turbocharger warning (mount on dash) 5/32 x 3/8" RIVET (4)
305 804 R1		GASKET, intake manifold			
446 210		WASHER, valve cover (4)			

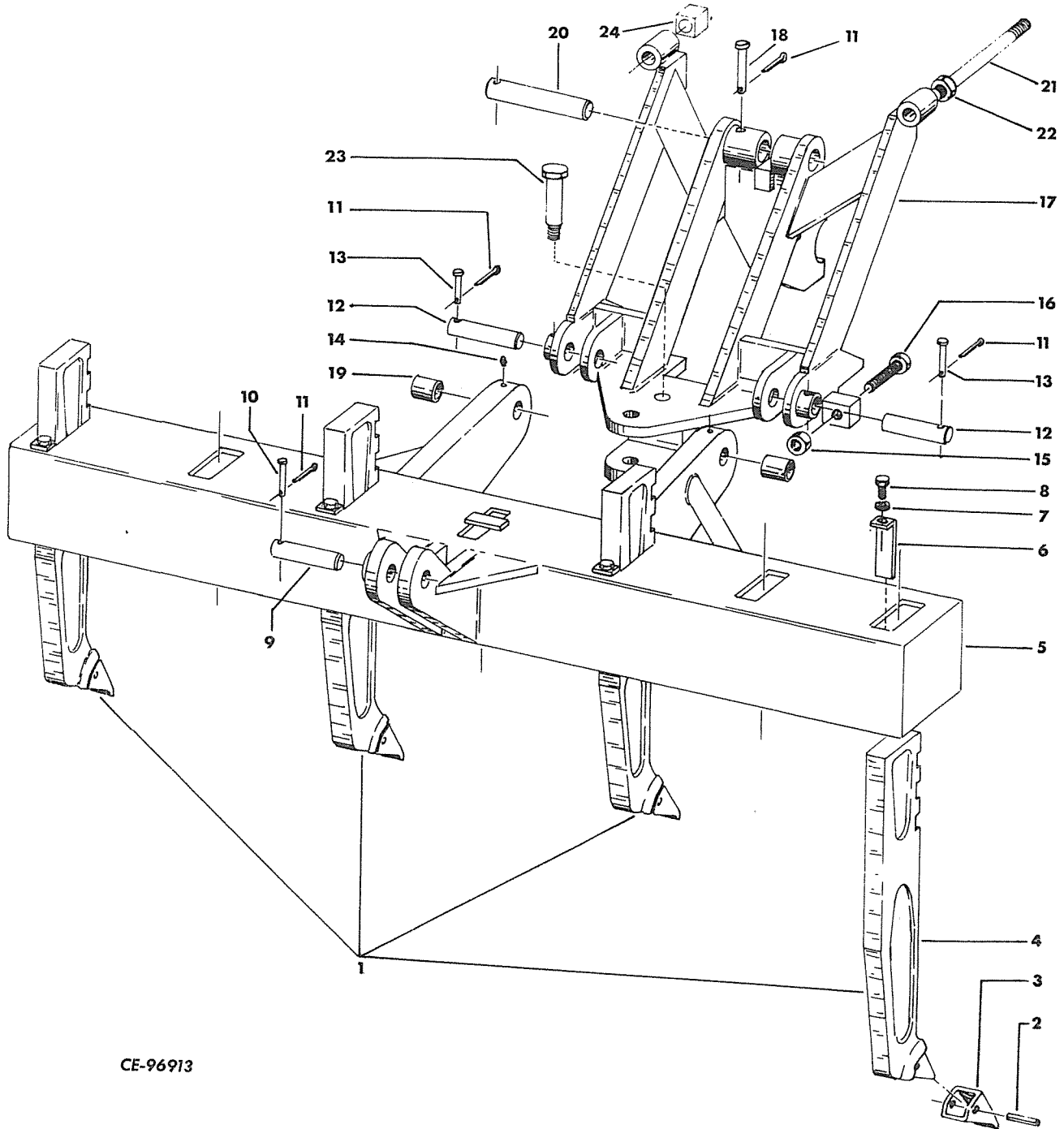


# MISCELLANEOUS



SCARIFIER  
(DROTT) (See NOTE)

SCARIFIER - Continued  
(DROTT) (See NOTE)



CE-96913

# MISCELLANEOUS



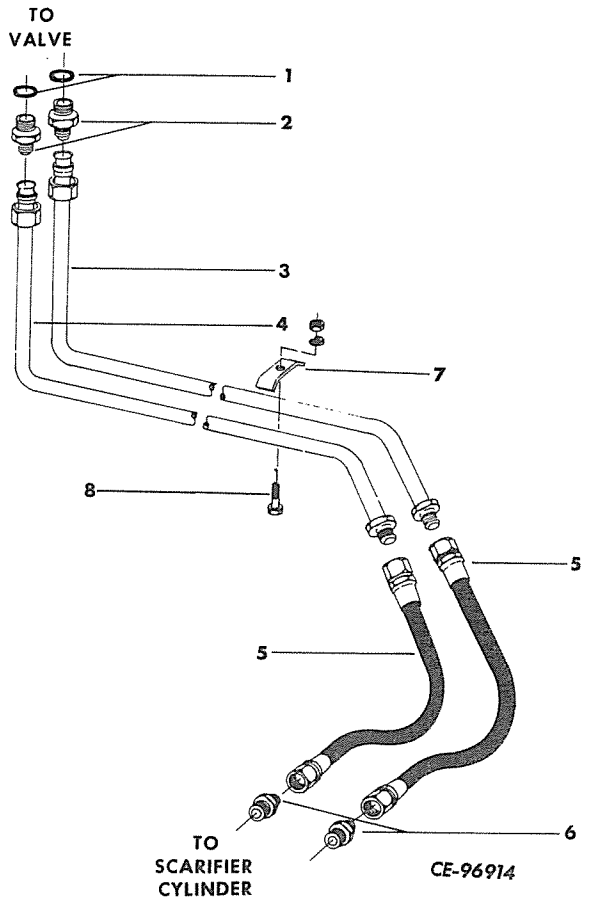
REF. DROTT  
NO. NUMBER DESCRIPTION

REF. DROTT  
NO. NUMBER DESCRIPTION

SCARIFIER - Continued  
(DROTT) (See NOTE)

SCARIFIER HYDRAULICS  
(DROTT) (See NOTE)

- 1 25 384 M1 TOOTH, scarifier (Includes Items 2 - 4) (4)
- 2 7 889 PIN, roll - 1/2 x 2-1/2" (4)
- 3 25 286 TIP, replaceable cast (4)
- 4 40 607 M1 SHANK, tooth (4)
- 5 30 393 FRAME, scarifier
- 6 40 608 LOCK, tooth (4)
- 7 4 399 WASHER, lock - 1/2" (4)
- 8 2 101 CAPSCREW, 1/2 x 1-1/4" NF (4)
- 9 40 239 PIN
- 10 10 816 PIN, clevis, 1/2 x 3-1/2"
- 11 4 641 PIN, cotter, 5/32 x 1" (4)
- 12 40 240 PIN (2)
- 13 10 815 PIN, clevis, 1/2 x 3" (2)
- 14 12 031 FITTING, lubrication (2)
- 15 4 250 NUT, jam - 1" (2)
- 16 41 088 BOLT, adjusting (2)
- 17 30 394 FRAME, scarifier mounting
- 18 10 816 PIN, clevis - 1/2 x 3-1/2"
- 19 41 527 BUSHING (2)
- 20 40 239 PIN, cylinder base
- 21 23 415 M2 STUD, thru (2)
- 22 9 021 NUT, self locking - 1" NF (4)
- 23 40 317 BOLT, hitch  
9 023 - NUT, self locking, 1-1/4" NF  
2 220 CAPSCREW, 7/8x4"NF - hitch to  
draw bar (2)  
9 020 NUT, self locking - 7/8" NF (2)
- 24 45 045 BLOCK, spacer (2)



- 1 6 069 "O" RING
- 2 25 582 ADAPTER (Includes Item 1) (2)
- 3 200 559 TUBE, formed - outside (Not used with diverter)
- 4 200 558 TUBE, formed - inside (Not used with diverter)
- 5 8 578 HOSE, high pressure - 1/2 x 26" (2)
- 6 7 710 ADAPTER, 1/2" pipe x 5/8" tube
- 7 43 892 CLAMP, tube
- 8 2 403 CAPSCREW, 3/8 x 1-1/2"  
4 397 LOCKWASHER - 3/8"  
4 222 NUT, 3/8"

NOTE: DOMESTIC USE - Order Drott Parts From Drott Manufacturing Corp., Wausau, Wisconsin through Your I. H. Construction Equipment Distributor.

NOTE: DOMESTIC USE - Order Drott Parts From Drott Manufacturing Corp., Wausau, Wisconsin through Your I. H. Construction Equipment Distributor.

OVERSEAS AFFILIATES AND DISTRIBUTORS - Order Through Your Parts Depot.

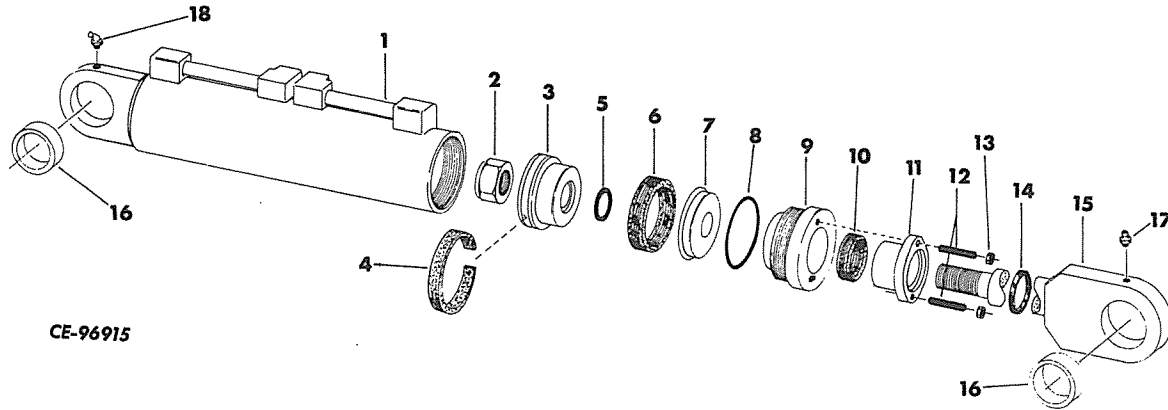
OVERSEAS AFFILIATES AND DISTRIBUTORS - Order Through Your Parts Depot.



# MISCELLANEOUS



REF. NO.	DROTT NUMBER	DESCRIPTION	REF. NO.	DROTT NUMBER	DESCRIPTION
		SCARIFIER CYLINDER (DROTT) (See NOTE)			SCARIFIER CYLINDER (DROTT) (See NOTE)



30 332 M1	CYLINDER, scarifier hydraulic (Consists of the following parts -	14	40 025	RING, wiper
1	24 025 TUBE, cylinder	15	23 907 M1	ROD, piston
2	9 023 NUT, self locking - 1-1/4"	16	20 045	BUSHING, 2-1/2 x 2 x 1" (2)
3	28 225 PISTON with "O" ring seat	17	12 031	FITTING, lubrication
4	23 703 RING, wear	18	12 033	FITTING, lubrication - 65° )
5	5 811 "O" RING, piston			
6	25 984 PACKING, "V" ring			
7	28 259 PISTON			
8	6 332 "O" RING			
9	28 221 M1 HEAD, cylinder			
10	28 120 PACKING, "V" ring			
11	28 562 FLANGE, packing			
12	40 005 STUD, 3/8 x 1-7/8" NF (2)			
13	9 014 NUT, self locking - 3/8" (2)			

NOTE: DOMESTIC USE - Order Drott Parts From Drott Manufacturing Corp., Wausau, Wisconsin Through Your I. H. Construction Equipment Distributor.

OVERSEAS AFFILIATES AND DISTRIBUTORS - Order Through Your Parts Depot.



# NUMERICAL INDEX



	PART NUMBER	PAGE NUMBER	PART NUMBER	PAGE NUMBER	PART NUMBER	PAGE NUMBER	PART NUMBER	PAGE NUMBER
No.			809 961	56	1 914 750	55	1 945 276	55
			810 819	64	1 914 750	56	1 945 276	56
			815 540	56A	1 914 800	54A	1 945 617	62
			821 453	63	1 914 816	55	1 945 620	63
			833 602	63	1 914 816	56	1 945 626	62
			900 529	55	1 915 172	55	1 945 630	64
	114	145	900 529	56	1 915 172	56A	1 945 732	54
	116	145	904 751	55	1 915 265	55	1 945 923	63
	118	145	904 751	56A	1 915 334	64	1 946 383	63
	120	145	940 943	33	1 916 529	63	1 946 386	62
	122	145	1 100 812	56A	1 917 123	56	1 946 391	62
	124	145	1 105 121	55	1 918 004	55	1 946 394	63
	126	145	1 105 134	56	1 918 004	56	1 946 395	63
	128	145	1 113 626	62	1 922 599	54A	1 946 555	62
	130	145	1 119 247	54	1 922 996	54A	1 948 694	63
	132	145	1 119 257	54	1 923 517	54	1 948 999	62
	134	145	1 119 507	54B	1 923 935	63	1 949 142	54
	136	145	1 119 513	54B	1 923 935	64	1 950 061	63
	138	145	1 119 682	54A	1 924 764	54	1 950 064	64
	140	145	1 119 833	63	1 924 764	54A	1 950 069	63
	195	145	1 119 890	63	1 926 617	63	1 950 071	64
	719	144	1 837 533	63	1 926 618	63	1 950 267	54A
	719	145	1 843 646	63	1 927 344	63	1 950 268	54A
	861	145	1 853 342	63	1 927 345	63	1 950 269	54A
2	101	153	1 855 978	54A	1 928 021	63	1 950 270	54A
2	220	153	1 856 993	55	1 928 022	63	1 950 276	54A
2	403	153	1 856 993	56	1 929 959	55	1 950 357	55
4	222	153	1 857 268	63	1 929 959	56	1 950 546	63
4	250	153	1 857 412	55	1 930 629	63	1 952 122	63
4	397	153	1 857 412	56	1 930 694	63	1 952 563	63
4	399	153	1 858 603	55	1 931 783	63	1 955 494	56A
4	641	153	1 858 751	55	1 931 813	63	1 956 427	63
5	035	121	1 858 751	56	1 931 814	63	1 956 428	63
5	811	154	1 864 099	58	1 931 818	63	1 956 975	56A
6	069	153	1 872 678	64	1 931 886	54	1 957 462	54A
6	332	154	1 874 495	54	1 931 887	54	1 957 501	56A
7	710	153	1 878 183	55	1 931 887	54A	1 957 650	63
7	889	153	1 878 183	56	1 932 354	64	1 958 137	54B
8	578	153	1 878 493	54A	1 932 506	55	1 958 148	54B
8	578	153	1 878 493	56	1 932 506	56	1 958 151	54B
9	014	154	1 878 502	54	1 933 239	54	1 959 381	56A
9	020	153	1 878 503	54	1 933 239	54	1 959 389	56A
9	021	153	1 878 503	54A	1 933 941	54	1 959 455	56A
9	023	153	1 878 505	54A	1 933 941	54A	1 959 455	56A
9	023	154	1 878 507	54A	1 933 999	64	1 959 523	56A
10	815	153	1 878 516	54A	1 934 478	63	1 959 532	56A
10	816	153	1 878 517	54	1 934 553	56	1 959 790	56A
12	031	153	1 879 530	55	1 935 923	56	1 959 828	56A
12	031	154	1 879 530	56	1 936 330	55	1 959 832	56A
12	033	154	1 879 663	54	1 936 333	55	1 959 833	56A
20	045	154	1 879 663	54A	1 936 465	64	1 959 834	56A
23	703	154	1 881 409	55	1 937 227	56	1 959 948	54A
24	025	154	1 881 409	56	1 937 381	63	1 959 991	56A
25	286	153	1 882 012	58	1 938 058	63	1 960 347	54B
25	522	25B	1 882 013	58	1 938 207	56	1 960 750	56A
25	582	153	1 883 865	63	1 938 209	56	1 962 276	55
25	984	154	1 885 090	55	1 938 376	63	1 962 276	56
28	120	154	1 885 090	56	1 939 646	54	1 962 629	54B
28	225	154	1 886 953	58	1 939 658	54A	1 963 139	56A
28	259	154	1 902 746	55	1 939 659	54A	1 964 117	56A
28	562	154	1 902 746	56	1 939 661	54A	1 964 353	56A
30	393	153	1 904 419	63	1 941 157	62	1 964 354	56A
30	394	153	1 904 436	64	1 941 431	54A	1 964 682	56A
34	816	55	1 904 443	64	1 941 431	54B	1 965 104	56A
37	535	64	1 905 406	56	1 941 432	54A	1 966 614	56A
40	005	154	1 906 987	63	1 941 978	56A	1 970 595	56A
40	025	154	1 909 654	64	1 942 241	62	1 970 918	56A
40	239	153	1 910 174	54	1 942 245	63	1 994 050	58
40	240	153	1 910 966	54A	1 942 250	63	1 996 495	58
40	317	153	1 911 028	54	1 942 253	63	1 996 496	58
40	608	153	1 911 034	54	1 942 255	63	7 451 763	56A
41	088	153	1 911 263	55	1 942 256	63	9 402 681	134
41	527	153	1 912 008	56A	1 942 257	63	9 402 745	132
43	892	153	1 912 059	63	1 942 259	63	9 402 745	135
45	045	153	1 912 073	56	1 942 260	63	9 402 745	136
88	398	69	1 912 159	54	1 942 282	63	9 402 745	148
94	943	31	1 912 159	54A	1 942 909	54A	9 402 745	149
805	258	63	1 912 176	54	1 943 385	54	9 402 746	133
805	790	63	1 912 176	54A	1 943 386	54A	9 402 746	137
809	062	55	1 913 534	64	1 943 628	64	9 402 747	149
809	062	56	1 913 689	56	1 943 854	54A	9 402 800	148
809	593	63	1 913 960	63	1 944 590	54	9 409 271	92
809	763	55	1 914 579	55	1 944 590	54A	9 409 278	94
809	763	56	1 914 579	56	1 945 119	56	9 409 323	93
809	945	55	1 914 580	55	1 945 275	55	9 409 325	94
809	945	56	1 914 580	56	1 945 275	56	9 409 330	94







# NUMERICAL INDEX



PART NUMBER	PAGE NUMBER	PART NUMBER	PAGE NUMBER	PART NUMBER	PAGE NUMBER	PART NUMBER	PAGE NUMBER
616 285 C1	98	627 799 C1	41	703 483 C91	41	32 454 D	117
616 300 C11	31	627 915 C91	50	703 605 C1	41	33 817 DE	18
616 300 C11	33	627 940 C91	41A	703 606 C1	41	35 938 D	132
616 339 C1	109	627 969 C1	90A			35 938 D	133
616 342 C1	109	628 156 C91	146B			35 938 D	135
616 343 C1	109	628 164 C91	21			35 938 D	136
616 344 C1	109	628 164 C91	22			36 092 D	23A
616 345 C1	109	628 187 C91	140			36 092 D	24
616 365 C11	135	630 110 C1	90B			37 165 D	28
616 366 C11	135	630 454 C1	41A	D 1 612	145	37 165 D	29
616 367 C1	29	630 465 C1	41A	D 2 616	81	37 165 D	29A
616 367 C1	29B	630 472 C1	41A	D 2 616	83	37 165 D	29B
616 368 C1	29	630 486 C1	41A	DA 12	144	37 165 D	31
616 368 C1	29B	630 488 C1	41A	DA 12	145	37 165 D	146
616 369 C1	28	630 494 C1	41A	4 457 D	81	37 167 D	28
616 369 C1	29A	650 382 C91	21	5 961 D	140	37 167 D	31
616 370 C11	135	650 382 C91	22	5 961 DX	140	37 323 D	29A
616 373 C1	41	650 382 C91	41	6 470 D	107	37 323 D	32
616 476 C1	81	650 382 C91	58	6 477 DB	81	37 323 D	37
616 478 C1	82	650 382 C91	140	6 478 D	82	37 323 D	146
618 688 C1	28	650 382 C91	142	6 479 DB	82	38 026 DM	29
618 688 C1	29A	650 382 C91	146B	6 480 DC	81	38 026 DM	29B
619 405 C1	72	650 430 C91	21	6 843 D	141	38 026 DM	146
619 405 C1	102	650 430 C91	22	8 235 DB	107	38 260 D	85
619 581 C91	142	670 004 C11	31	8 236 DA	107	39 524 DA	19
619 787 C2	94	670 004 C11	34	8 237 DB	107	39 524 DA	20
619 788 C1	93	670 572 C1	57	8 238 DB	107	39 659 D	143
619 818 C91	134	672 994 C1	140	8 247 DB	72	39 677 DA	36
620 086 C1	41	673 178 C1	31	8 391 D	141	39 677 DA	37
620 114 C1	41	674 726 C91	17	8 392 DA	141	40 635 D	143
620 116 C1	41	674 727 C91	17	8 444 DA	101	40 638 D	143
620 149 C1	21	678 026 C1	31	8 450 DC	117	41 162 D	13
620 149 C1	22	678 027 C1	31	8 461 DA	117	41 339 D	11
620 316 C1	122	678 030 C1	57	8 508 DA	116	41 519 D	100
621 299 C1	110	700 283 C1	146	8 509 D	117	41 600 D	77
621 299 C1	110A	700 393 C1	67	8 511 DEX	117	41 633 D	80
621 402 C1	110	700 393 C1	95	8 511 DFX	117	42 175 D	102
621 402 C1	110A	700 394 C1	95	8 775 DC	117	42 298 DB	106
621 657 C91	70	700 395 C91	67	8 779 D	81	42 385 D	28
623 761 C1	140	700 395 C91	69D	9 102 D	43	42 385 D	29A
624 225 C1	69D	701 022 C91	146A	9 245 DA	114	42 409 D	33
624 226 C1	69D	701 127 C91	31	9 311 D	146	42 877 DB	140
624 227 C1	69D	701 127 C91	34	9 533 DA	142	42 915 D	30
624 228 C1	69D	701 922 C2	28	11 373 D	81	42 915 D	33
624 229 C1	69D	701 922 C2	29A	11 373 D	83	42 915 D	68
624 230 C1	69D	701 980 C92	146B	13 363 D	109	43 664 DC	100
624 231 C1	69D	702 027 C1	133	13 367 DC	109	45 120 D	76
624 232 C1	69C	702 027 C1	135	13 722 D	81	45 132 D	81
624 385 C91	69D	702 027 C1	136	13 722 D	83	45 132 D	87
624 389 C1	69B	702 199 C91	94	13 722 D	98	45 293 D	117
624 411 C1	42A	702 219 C1	135	16 026 DB	18	45 357 D	81
624 539 C1	117	702 219 C1	137	16 067 DA	11	45 361 D	81
624 540 C91	119	702 248 C3	140	17 700 D	81	46 023 D	101
624 541 C1	119	702 257 C1	135	17 700 D	83	46 038 D	106
624 618 C1	42A	702 268 C1	67	18 585 DA	76	46 040 D	106
624 849 C1	107	702 268 C1	69D	18 585 DA	80	46 332 D	76
624 900 C2	25B	702 282 C1	132	18 585 DA	83	46 794 DA	117
624 902 C91	120	702 282 C1	134	20 841 D	100	46 795 D	117
624 905 C1	121	702 282 C1	136	22 510 D	31	46 800 D	117
624 907 C1	121	702 284 C1	132	22 977 DA	117	46 809 D	77
624 909 C91	25B	702 284 C1	134	24 805 D	146	46 809 D	118
624 916 C91	147	702 284 C1	136	25 079 D	104	46 821 D	117
624 919 C91	24	702 390 C1	73	26 039 DA	73	46 821 D	118
625 205 C1	90A	702 537 C91	73	29 547 D	81	46 826 D	107
625 206 C1	90A	702 540 C1	135	29 547 D	83	46 831 D	107
625 777 C92	90B	702 550 C1	73	29 898 D	28	46 859 D	82
625 821 C1	90A	702 718 C1	27	29 898 D	29A	46 912 D	81
627 091 C91	90A	702 725 C91	27	29 898 D	132	46 913 D	81
627 092 C1	90A	702 726 C1	27	29 898 D	133	46 916 D	82
627 093 C1	90A	702 959 C1	90	29 898 D	134	46 918 D	81
627 096 C91	25A	703 108 C91	140	29 898 D	135	47 401 D	13
627 096 C91	25B	703 127 C91	110	29 898 D	136	47 726 D	106
627 114 C1	25A	703 246 C91	31	29 898 D	137	47 771 D	139
627 114 C1	25B	703 246 C91	33	29 899 D	135	47 772 D	139
627 115 C1	25A	703 247 C1	31	29 901 D	70	47 773 D	139
627 115 C1	25B	703 247 C1	33	29 901 D	135	47 775 D	139
627 365 C1	90	703 375 C1	69	29 901 D	137	47 776 D	139
627 366 C1	90	703 384 C91	42A	30 402 D	133	48 044 D	77
627 367 C1	90	703 384 C92	42A	30 402 D	135	48 072 D	77
627 400 C1	90	703 385 C1	42A	30 402 D	136	48 073 D	77
627 401 C91	90A	703 387 C91	100	30 436 DA	67	48 074 D	78
627 666 C1	90A	703 388 C91	101	30 436 DA	69C	48 229 D	110
627 667 C1	90A	703 480 C1	41	31 238 DA	73	48 384 D	18
627 668 C1	90A	703 481 C1	41	31 729 D	28	48 385 D	18
627 669 C1	90A	703 482 C1	41	31 729 D	29A	48 512 D	141



# NUMERICAL INDEX



PART NUMBER	PAGE NUMBER	PART NUMBER	PAGE NUMBER	PART NUMBER	PAGE NUMBER	PART NUMBER	PAGE NUMBER
49 472 DD	114	55 479 D	143	3 405 H	151	86 900 R91	10
49 547 DA	141	55 482 D	143	23 316 H	57	88 398 R1	69B
49 548 D	141	55 745 D	107	35 619 H	11	88 398 R1	69D
50 408 D	53	55 954 DA	106	35 647 H	49	122 316 R91	53
50 410 DA	11	55 955 DA	106	35 650 HA	18	132 244 R91	68
50 410 DA	13	55 959 DD	106	46 883 H	123	132 244 R91	69C
50 413 D	73	55 999 D	29	49 946 HA	47	132 244 R91	70
50 607 D	28	55 999 D	29B	59 730 H	133	133 093 R1	11
50 607 D	29B	55 999 D	146	59 730 H	135	145 201 R1	44
50 607 D	31	57 515 DA	114	59 730 H	137	150 955 R1	146A
50 607 D	33	57 516 DA	114	100 770 H	57	151 167 R3	11
50 826 D	82	57 536 DA	118	100 770 H	133	158 503 R1	74
50 826 D	83	57 904 DA	83	100 770 H	135	158 506 R1	74
51 227 DB	72	59 310 D	102	100 770 H	136	158 510 R1	74
51 434 D	83	59 311 D	101	102 069 H	45	158 511 R1	74
51 527 DC	146	59 311 D	103	103 213 H	67	158 512 R1	74
51 527 DC	151	59 312 D	103	103 213 H	68	158 513 R1	74
52 062 D	68	59 313 D	103	103 213 H	69D	160 834 R91	94
52 062 D	69B	59 314 D	103	113 934 H	19	164 436 R91	11
52 205 D	139	59 315 D	103	113 934 H	20	169 071 R1	11
52 208 D	81	59 317 DA	103	113 934 H	53	169 071 R1	43
52 210 DAXA	116	59 939 D	23B	119 739 H1	74	169 679 R1	49
52 213 DA	82	59 939 D	24	142 619 H	32	170 570 R91	27
52 215 DB	82	60 095 D	106	145 017 H	73	171 809 R1	146A
52 222 D	117	60 096 D	106	156 483 H1	138	171 823 R1	16
52 225 D	117	60 871 DA	146			171 823 R1	53
52 226 DA	117	60 877 D	146			221 425 R1	57
52 228 DD	117	60 878 DX	146			227 713 R1	49
52 229 DA	117	61 115 D	73			230 409 R91	49
52 231 D	117	61 387 D	28			230 421 R91	49
52 239 D	107	61 387 D	29A			233 384 R91	146A
52 243 DAX	107	61 921 D	31			237 358 R1	146B
52 244 DX	106	62 302 D	69			237 360 R1	1468
53 198 D	143	62 302 D	69D			237 361 R1	1468
53 199 D	143	62 493 D	57			237 362 R1	1468
53 200 D	143	62 778 D	84			237 363 R1	146B
53 201 D	143	62 779 D	80			237 364 R91	146B
53 202 D	143	64 163 D	81			250 263 R1	73
53 203 D	143	64 163 D	83			250 307 R1	82
53 205 D	143	64 603 DA	83			250 307 R1	85
53 206 D	143	64 604 D	81			250 610 R2	31
53 207 D	143	64 604 D	83			250 610 R2	32
53 209 D	143	65 490 D	87			250 610 R2	34
53 369 D	112	65 834 D	31			250 617 R1	30
53 398 DA	109	67 574 DC	140			250 617 R1	32
53 480 DA	81	67 869 D	28			250 868 R1	77
53 481 DA	81	67 869 D	29A			250 868 R1	82
53 490 D	100	67 869 D	132			250 868 R1	83
53 494 D	72	67 869 D	133			251 044 R2	35
53 495 D	100	67 869 D	134			251 348 R91	146
53 497 D	100	69 464 DB	81			251 355 R91	146
53 503 DA	100	69 466 DA	80			251 380 R91	146
53 504 DA	100					251 400 R1	46
53 514 DB	101					251 402 R1	46
53 539 DBX	118					251 403 R1	46
53 559 D	76					251 403 R1	151
53 597 D	106					251 846 R1	125
53 632 D	81					251 846 R1	126
53 635 D	82					251 846 R1	129
53 635 D	85					251 846 R1	130
53 636 D	82					252 483 R1	97
53 636 D	85					252 707 R1	41
53 637 D	82					252 735 R1	138
53 637 D	85					252 739 R1	87
53 683 DA	80					252 739 R1	151
53 714 D	76					253 660 R1	53
53 921 DA	139					253 664 R2	53
53 925 D	139					253 729 R1	97
53 962 DA	141					254 817 R92	77
53 966 DAX	141					254 967 R21	106
53 967 D	141					254 968 R1	106
53 968 D	141					254 968 R1	81
54 003 D	117					255 630 R1	133
54 004 D	116					257 523 R1	135
54 007 D	117					257 523 R1	136
54 010 D	117					257 523 R1	103
54 012 D	117					257 620 R1	103
54 013 D	116					257 625 R1	103
54 016 D	116					257 785 R1	119
54 514 D	117					257 786 R1	119
54 515 D	117					258 277 R2	107
54 610 DB	107					258 278 R1	107
54 969 D	72					258 625 R2	81
54 969 D	107					258 626 R3	81
55 371 DA	73					258 874 R1	114
						258 995 R1	36



# NUMERICAL INDEX



PART NUMBER	PAGE NUMBER	PART NUMBER	PAGE NUMBER	PART NUMBER	PAGE NUMBER	PART NUMBER	PAGE NUMBER
258 995 R1	37	265 204 R1	146	274 167 R11	101	277 675 R91	73
259 246 R1	87	265 205 R1	29	274 168 R1	101	277 676 R91	73
259 246 R1	151	265 205 R1	29B	274 169 R1	101	277 748 R91	70
259 599 R91	41	265 205 R1	31	274 170 R1	101	278 027 R1	104
259 603 R91	41	265 205 R1	33	274 191 R2	57	278 063 R91	117
259 688 R1	72	265 205 R1	83	274 239 R1	41	278 089 R1	45
260 151 R1	82	265 205 R1	146	274 287 R2	41	278 140 R11	102
260 153 R1	81	266 059 R2	117	274 304 R91	67	278 141 R11	102
260 708 R2	146	266 060 R1	117	274 304 R91	68	278 209 R92	66
260 879 R4	35	266 068 R1	109	274 304 R91	70	278 209 R92	69C
260 892 R2	117	266 079 R1	77	274 698 R1	101	278 210 R91	66
260 894 R1	117	266 337 R91	29	274 699 R1	101	278 210 R91	69C
261 106 R1	73	266 337 R91	29B	274 863 R1	81	278 263 R11	16
261 289 R1	117	266 383 R2	122	274 863 R1	87	278 264 R11	16
261 290 R1	117	266 457 R11	72	274 864 R1	87	278 265 R1	16
261 650 R1	124	266 458 R1	72	274 864 R1	104	278 265 R1	151
261 650 R1	126	266 459 R1	73	275 066 R1	77	278 268 R1	16
261 650 R1	128	266 854 R91	66	275 159 R11	29	278 268 R1	151
261 650 R1	130	266 854 R91	69B	275 159 R11	29B	278 269 R1	16
262 038 R1	148	267 665 R91	73	275 179 R2	100	278 270 R1	16
262 038 R1	149	267 689 R1	73	275 180 R2	100	278 270 R2	151
262 603 R12	41	267 787 R91	69B	275 197 R1	124	278 272 R1	17
262 650 R1	117	267 788 R91	67	275 197 R1	126	278 275 R3	35
262 651 R1	117	267 788 R91	68	275 197 R1	128	278 278 R2	45
262 704 R1	124	267 788 R91	69B	275 197 R1	130	278 279 R2	45
262 704 R1	126	267 917 R1	70	275 198 R22	124	278 280 R1	45
262 704 R1	128	268 996 R1	109	275 198 R22	126	278 280 R1	151
262 704 R1	130	268 996 R1	112	275 198 R22	128	278 281 R1	45
262 752 R1	82	269 164 R1	101	275 198 R22	130	278 300 R1	11
262 882 R1	45	269 177 R1	100	275 199 R1	124	278 301 R1	11
263 308 R91	68	269 178 R1	100	275 199 R1	126	278 302 R1	11
263 441 R1	109	269 293 R1	15	275 199 R1	128	278 303 R21	11
263 513 R91	68	271 065 R91	67	275 199 R1	130	278 304 R21	11
263 513 R91	69D	271 065 R91	69B	275 200 R31	76	278 305 R1	11
263 514 R91	68	271 065 R91	70	275 217 R1	103	278 306 R1	11
263 514 R91	69	271 066 R92	69C	275 218 R1	102	278 308 R1	10
263 514 R91	69C	271 140 R91	147	275 219 R1	102	278 308 R1	151
263 514 R91	70	271 647 R1	77	275 220 R1	102	278 313 R2	19
263 515 R91	67	271 647 R1	110	275 221 R91	103	278 313 R2	20
263 515 R91	68	271 664 R1	117	275 222 R1	103	278 313 R2	151
263 515 R91	69D	271 668 R1	151	275 223 R1	103	278 314 R1	19
263 717 R91	31	271 762 R1	104	275 224 R1	103	278 314 R1	20
263 717 R91	68	271 848 R1	11	275 225 R1	80	278 314 R1	151
263 717 R91	69C	271 853 R1	104	275 226 R1	80	278 315 R1	33
263 717 R91	135	271 854 R1	104	275 227 R11	72	278 316 R1	31
263 945 R1	118	271 856 R2	104	275 230 R31	123	278 317 R1	31
263 975 R1	110	271 857 R2	104	275 231 R31	123	278 317 R1	33
263 975 R1	110A	271 860 R2	82	275 241 R1	70	278 318 R1	31
263 976 R1	110	271 861 R1	81	275 266 R11	122	278 318 R1	34
264 055 R2	81	271 863 R91	82	275 600 R1	117	278 321 R1	30
264 055 R2	83	272 061 R91	59	275 601 R1	117	278 321 R1	35
264 055 R2	95	272 119 R91	104	275 715 R1	102	278 335 R11	31
264 097 R2	124	272 120 R1	104	275 716 R91	102	278 347 R1	31
264 097 R2	126	272 152 R91	25A	275 734 R1	101	278 347 R1	33
264 097 R2	128	272 152 R91	25B	275 742 R1	81	278 347 R1	151
264 097 R2	130	272 281 R1	97	275 743 R1	81	278 368 R61	11
264 123 R1	117	272 478 R91	81	275 744 R2	80	278 506 R1	121
264 156 R1	117	272 480 R91	82	275 745 R11	80	278 507 R1	121
264 186 R91	68	272 623 R2	112	275 746 R1	81	278 508 R1	121
264 186 R91	69C	272 842 R1	88	275 747 R12	80	278 509 R1	121
264 196 R91	19	272 843 R1	138	275 748 R2	80	278 643 R2	20
264 196 R91	20	272 853 R2	110A	275 784 R2	103	278 702 R21	30
264 196 R91	68	272 858 R92	110A	275 785 R1	103	278 703 R11	30
264 196 R91	69C	273 405 R1	134	275 946 R91	31	278 704 R11	30
264 200 R91	66	273 405 R1	136	275 946 R91	147	278 705 R11	30
264 200 R91	69B	273 406 R1	134	276 099 R92	81	278 706 R11	30
264 259 R1	117	273 406 R1	136	276 156 R1	80	278 707 R11	30
264 261 R3	117	273 499 R92	122	276 156 R1	80	278 707 R11	30
264 262 R1	117	273 500 R92	123	276 223 R91	22	278 807 R1	45
264 263 R1	117	273 871 R1	114	276 223 R91	38	278 834 R2	135
264 270 R1	104	274 075 R2	104	276 578 R91	88	278 834 R2	137
264 674 R91	70	274 085 R91	23A	276 578 R91	98	278 836 R2	135
264 674 R91	135	274 085 R91	24	276 975 R1	123	278 836 R2	137
264 674 R91	137	274 085 R91	45	276 976 R1	70	278 919 R1	143
264 679 R1	73	274 085 R91	46	276 979 R92	70	278 953 R91	33
264 681 R1	87	274 089 R91	23A	277 025 R93	147	278 953 R91	34
264 681 R1	151	274 089 R91	24	277 025 R93	149	279 026 R91	41
264 830 R21	101	274 089 R91	24	277 031 R91	147	279 027 R91	97
265 126 R91	31	274 089 R91	25A	277 037 R1	80	279 028 R91	27
265 126 R91	34	274 089 R91	25B	277 037 R1	81	279 029 R91	23B
265 204 R1	29	274 089 R91	27	277 153 R1	143	279 038 R91	45
265 204 R1	29B	274 160 R91	100	277 209 R1	101	279 038 R91	53
265 204 R1	31	274 164 R1	101	277 457 R91	60	279 160 R11	46
265 204 R1	33	274 165 R1	100	277 460 R91	67	279 163 R1	46
265 204 R1	83	274 165 R1	101	277 507 R2	114	279 173 R1	146
		274 166 R91	101	277 544 R1	147	279 212 R91	46



# NUMERICAL INDEX

PART NUMBER	PAGE NUMBER	PART NUMBER	PAGE NUMBER	PART NUMBER	PAGE NUMBER	PART NUMBER	PAGE NUMBER
279 274 R1	35	304 102 R1	37	307 041 R2	110	315 849 R1	13
279 338 R1	82	304 104 R91	37	307 042 R2	110	315 970 R91	13
279 338 R1	85	304 104 R91	147	307 080 R1	15	315 973 R2	147
279 338 R1	104	304 104 R91	148	307 082 R1	82	315 973 R2	148
279 339 R91	82	304 104 R91	149	307 155 R1	81	315 973 R2	149
279 339 R91	104	304 131 R2	35	307 312 R91	122	316 050 R1	53
279 427 R1	81	304 279 R1	151	307 315 R1	122	316 051 R1	53
279 431 R2	81	304 313 R1	31	307 317 R12	123	316 052 R2	53
279 433 R1	81	304 391 R2	53	307 787 R1	50	316 053 R11	53
279 434 R92	82	304 398 R1	23A	307 819 R91	82	316 079 R1	87
279 435 R11	81	304 398 R1	24	307 881 R91	29	316 366 R1	17
279 456 R92	85	304 398 R1	25A	307 881 R91	29B	316 647 R91	67
279 732 R1	85	304 398 R1	25B	308 361 R11	53	316 647 R91	69C
279 733 R1	82	304 426 R1	53	308 580 R1	146A	316 742 R3	110
279 994 R91	48	304 449 R91	9	308 622 R91	132	316 839 R3	110
280 185 R1	57	304 451 R1	53	308 882 R1	97	316 840 R3	110A
280 655 R91	142	304 522 R1	125	309 015 R91	142	316 841 R3	110
280 703 R1	70	304 522 R1	129	309 015 R91	143	316 843 R2	114
280 704 R1	70	304 720 R1	151	309 056 R1	146B	316 846 R93	110
280 706 R22	76	304 768 R91	100	309 126 R1	50	316 987 R1	109
281 268 R2	60	304 769 R91	101	309 127 R1	50	316 988 R1	109
281 923 R1	59	304 776 R1	73	309 164 R1	50	316 991 R1	109
282 233 R1	106	304 777 R1	73	310 385 R1	53	316 992 R2	109
282 818 R2	77	304 778 R92	73	310 388 R91	30	316 993 R2	109
283 401 R1	138	304 780 R1	73	310 389 R1	35	317 549 R91	16
284 670 R91	43	304 782 R1	73	310 393 R1	35	317 623 R1	94
287 049 R1	90	304 784 R2	73	310 394 R1	35	317 702 R91	23A
291 572 R91	92	304 785 R2	73	310 395 R1	35	317 859 R93	73
291 572 R91	94	304 786 R1	73	310 396 R1	35	317 860 R91	73
293 350 R91	94	304 787 R91	73	310 397 R1	35	317 861 R1	72
293 739 R1	138	304 854 R1	47	310 398 R1	35	317 862 R1	72
295 762 R1	117	304 854 R1	48	310 399 R1	35	317 912 R91	94
296 937 R1	138	304 854 R1	151	310 400 R1	35	317 935 R91	11
296 938 R1	138	304 915 R92	112	310 401 R1	35	317 972 R91	23A
296 939 R1	138	305 206 R1	46	310 402 R1	35	317 972 R91	24
297 330 R1	74	305 366 R91	67	310 427 R1	50	317 972 R91	25B
297 330 R1	85	305 366 R91	70	310 427 R1	53	318 020 R11	11
297 330 R1	87	305 799 R1	29	310 446 R95	151	318 118 R21	45
297 581 R91	92	305 799 R1	29B	310 508 R91	81	318 377 R2	17
297 581 R91	94	305 804 R1	19	310 514 R91	116	318 379 R1	53
298 000 R1	132	305 804 R1	20	310 665 R1	13	318 380 R1	53
298 000 R1	134	305 804 R1	151	310 665 R1	151	318 381 R91	47
298 000 R1	136	306 125 R92	112	310 923 R1	143	318 497 R1	94
298 384 R1	97	306 126 R92	112	310 924 R91	143	318 729 R1	28
299 864 R1	21	306 127 R92	112	310 944 R91	143	318 729 R1	29A
299 864 R1	22	306 128 R92	112	311 070 R1	111	318 734 R1	28
299 926 R2	138	306 280 R12	17	311 133 R91	126	318 734 R1	29A
300 027 R1	146B	306 353 R91	36	311 218 R1	41	318 735 R1	29
300 559 R91	67	306 353 R91	37	311 263 R1	42	318 735 R1	29B
300 559 R91	69B	306 354 R2	15	311 263 R1	150	318 840 R95	110A
301 819 R1	94	306 365 R91	44	311 269 R1	104	318 840 R95	21
302 565 R1	96	306 399 R91	36	311 277 R1	81	318 985 R1	22
302 567 R1	96	306 625 R1	45	311 278 R1	82	318 987 R1	135
302 570 R1	96	306 630 R1	44	311 279 R1	82	319 615 R1	136
302 571 R1	96	306 637 R11	13	311 350 R1	29	319 615 R1	111
302 572 R1	96	306 638 R11	18	311 350 R1	29B	319 628 R91	109
302 573 R1	96	306 645 R11	18	311 350 R1	31	319 635 R91	94
302 574 R91	96	306 648 R91	18	311 352 R1	28	319 708 R1	94
303 322 R1	48	306 656 R1	19	311 431 R1	112	319 709 R1	94
303 462 R11	31	306 657 R1	57	312 109 R1	53	319 710 R1	94
303 463 R1	31	306 658 R1	57	312 552 R1	151	319 752 R91	93
303 473 R1	11	306 659 R1	57	313 021 R1	96	319 753 R1	94
303 483 R1	45	306 660 R11	53	313 190 R1	117	319 753 R91	93
303 545 R1	34	306 671 R1	13	313 191 R1	117	319 884 R1	29
303 644 R92	114	306 672 R1	13	313 205 R91	117	319 884 R1	29B
303 645 R92	114	306 673 R1	13	313 206 R91	117	319 962 R91	84
303 646 R92	114	306 674 R1	13	313 337 R91	94	319 965 R91	68
303 704 R92	59	306 700 R1	117	313 530 R92	73	319 965 R91	67
303 704 R92	67	306 708 R1	17	313 531 R92	73	319 966 R91	69C
303 706 R1	59	306 775 R91	36	313 586 R91	146B	319 970 R1	50
303 962 R1	29	306 776 R91	36	313 625 R91	23A	320 000 R1	17
303 962 R1	29B	306 777 R1	36	313 625 R91	24	320 017 R91	17
303 998 R1	47	306 778 R1	36	313 692 R1	85	320 018 R1	17
304 003 R91	47	306 780 R1	36	313 756 R1	87	320 097 R1	10
304 005 R91	47	306 876 R1	120	313 913 R92	104	320 150 R91	67
304 008 R1	47	306 883 R11	124	313 930 R91	23A	320 182 R1	46
304 009 R1	47	306 883 R11	126	313 942 R91	45	320 186 R91	15
304 010 R1	47	306 887 R1	126	313 946 R91	81	320 188 R93	15
304 011 R1	47	306 888 R91	126	313 957 R1	59	320 275 R1	45
304 012 R1	47	306 896 R1	117	314 751 R31	58	320 275 R1	46
304 012 R1	151	306 897 R1	117	314 753 R1	58	320 285 R11	47
304 100 R91	37	306 898 R2	117	314 937 R91	112	320 391 R1	41
304 101 R91	36	306 899 R91	117	315 701 R1	11	320 395 R91	107
304 101 R91	37	306 936 R1	133	315 744 R1	11	320 398 R91	107
304 102 R1	36	307 033 R2	110	315 825 R1	10	320 535 R11	21



# NUMERICAL INDEX



PART NUMBER	PAGE NUMBER	PART NUMBER	PAGE NUMBER	PART NUMBER	PAGE NUMBER	PART NUMBER	PAGE NUMBER
320 537 R11	22	324 227 R1	151	327 960 R1	104	330 839 R91	78
320 641 R1	110	324 228 R2	90A	327 961 R1	87	330 840 R91	41A
321 029 R91	94	324 231 R1	90	327 963 R2	87	330 845 R1	108
321 149 R92	41	324 232 R1	90	327 964 R1	87	330 848 R1	41
321 201 R91	30	324 236 R1	90A	327 965 R91	84	330 850 R11	87
321 292 R91	110	324 240 R1	90	327 965 R92	104	330 851 R1	87
321 359 R1	53	324 241 R1	90	327 977 R92	108	330 856 R2	41
321 373 R91	50	324 242 R1	90	327 978 R92	108	330 868 R91	70
321 374 R91	50	324 244 R1	90	327 979 R1	103	330 874 R1	41A
321 375 R1	50	324 245 R1	90	327 980 R1	103	330 929 R1	94
321 376 R91	50	324 255 R1	50	327 981 R11	102	330 943 R11	124
321 377 R91	50	324 256 R1	50	327 983 R11	23B	330 945 R11	125
321 378 R1	50	324 258 R91	50	327 988 R11	23B	330 947 R11	125
321 379 R1	50	324 273 R1	33	327 999 R1	23B	330 947 R11	129
321 720 R91	37	324 274 R1	33	328 512 R1	13	330 950 R11	124
321 721 R1	37	324 299 R1	99	328 535 R1	44	330 950 R11	126
321 722 R1	37	324 300 R1	99	328 537 R1	44	330 955 R11	124
321 727 R1	37	324 549 R91	73	328 539 R1	45	330 956 R11	124
321 736 R1	109	324 560 R91	73	328 540 R1	45	330 957 R11	124
321 753 R1	138	324 561 R91	73	328 542 R11	16	330 958 R11	125
321 755 R91	138	324 745 R1	107	328 543 R21	18	330 958 R11	129
321 757 R1	138	324 998 R91	73	328 544 R21	18	330 971 R91	125
321 759 R1	138	325 030 R1	94	328 560 R11	13	330 971 R91	129
321 761 R1	138	325 040 R1	94	328 681 R1	148	330 980 R1	124
321 762 R1	138	325 040 R2	99	328 681 R1	149	330 981 R1	124
321 763 R1	138	325 041 R1	94	328 991 R11	44	330 983 R1	124
321 764 R91	138	325 059 R1	87	330 018 R91	44	330 984 R1	124
321 765 R1	138	325 059 R1	151	330 019 R91	44	330 985 R1	125
321 768 R1	138	325 585 R91	66	330 600 R91	108	330 986 R11	126
321 769 R91	138	325 981 R92	113	330 607 R91	108	330 987 R1	124
321 770 R91	138	325 990 R1	41	330 622 R11	23A	330 988 R1	124
321 822 R1	36	325 997 R1	125	330 631 R1	108	330 993 R1	93
321 878 R1	46	325 997 R1	129	330 635 R1	109	331 041 R1	122
321 991 R1	99	326 078 R1	93	330 637 R1	108	331 131 R1	113
321 992 R1	99	326 078 R1	94	330 638 R1	108	331 132 R1	113
321 994 R1	99	327 420 R1	87	330 639 R91	140	331 133 R2	113
321 997 R1	99	327 420 R1	151	330 645 R1	42	331 145 R91	59
321 998 R1	99	327 421 R91	87	330 645 R1	42A	331 204 R91	73
322 247 R1	112	327 421 R91	88	330 646 R1	42	331 238 R91	60
322 383 R1	43	327 424 R92	87	330 646 R1	42A	331 375 R1	84
322 384 R12	43	327 425 R91	85	330 647 R11	42	331 375 R2	84
322 386 R1	43	327 426 R91	85	330 653 R1	42	331 376 R1	85
322 528 R1	112	327 427 R91	84	330 653 R1	42A	331 380 R11	77
322 760 R1	57	327 428 R91	87	330 660 R1	41	331 383 R1	18
323 716 R11	32	327 429 R1	85	330 661 R2	41	331 384 R1	18
323 717 R1	32	327 432 R91	30	330 662 R1	41	331 408 R2	112
323 727 R91	11	327 447 R1	74	330 663 R11	41	331 413 R11	120
323 728 R92	32	327 467 R91	129	330 664 R11	41	331 414 R11	121
323 771 R31	11	327 468 R91	23A	330 665 R1	41	331 415 R11	120
323 774 R1	11	327 499 R91	43	330 667 R91	41A	331 421 R1	15
323 800 R1	11	327 717 R2	75	330 668 R1	41A	331 422 R1	125
323 802 R1	17	327 921 R1	87	330 669 R1	41A	331 422 R1	129
323 827 R91	47	327 922 R1	87	330 670 R1	41A	331 460 R11	87
324 003 R1	98	327 922 R1	151	330 671 R91	41A	331 461 R1	87
324 004 R2	98	327 923 R1	75	330 672 R11	41A	331 461 R1	151
324 006 R92	98	327 923 R1	87	330 713 R11	59	331 462 R1	87
324 009 R1	98	327 923 R1	151	330 714 R11	60	331 463 R11	87
324 010 R1	98	327 924 R2	87	330 721 R1	110	331 487 R1	28
324 012 R1	98	327 925 R1	87	330 734 R1	15	331 487 R1	29A
324 013 R1	98	327 925 R1	151	330 737 R1	38	331 494 R91	42
324 019 R1	98	327 927 R1	84	330 737 R11	22	331 496 R1	76
324 021 R1	98	327 928 R1	87	330 742 R11	123	331 497 R1	77
324 022 R1	98	327 928 R1	151	330 743 R11	123	331 498 R11	124
324 030 R1	98	327 929 R1	84	330 749 R92	120	331 531 R1	111
324 032 R91	50	327 932 R91	83	330 750 R92	120	331 532 R2	111
324 039 R1	50	327 932 R92	83	330 751 R11	124	331 537 R1	111
324 077 R91	132	327 935 R1	84	330 751 R11	126	331 538 R1	111
324 105 R91	98	327 936 R1	84	330 751 R11	128	331 539 R1	111
324 169 R91	93	327 939 R11	84	330 751 R11	130	331 540 R1	111
324 184 R91	125	327 940 R11	83	330 752 R11	132	331 541 R91	111
324 184 R91	129	327 941 R91	83	330 752 R11	135	331 544 R11	119
324 194 R1	23A	327 943 R1	84	330 752 R11	136	331 545 R11	119
324 194 R1	24	327 945 R1	87	330 753 R1	132	331 548 R91	119
324 194 R1	25A	327 945 R1	151	330 789 R1	94	331 566 R11	123
324 194 R1	25B	327 949 R91	84	330 790 R1	94	331 592 R1	123
324 218 R1	90A	327 950 R1	85	330 796 R12	95	331 594 R1	122
324 221 R1	90A	327 951 R1	84	330 808 R1	94	331 595 R1	122
324 222 R1	90A	327 951 R2	84	330 821 R1	132	331 596 R91	122
324 223 R1	90A	327 952 R1	84	330 822 R1	132	331 596 R91	123
324 223 R2	151	327 953 R1	87	330 823 R91	66	331 599 R1	123
324 224 R2	151	327 955 R1	84	330 823 R91	69D	331 604 R2	113
324 225 R2	90A	327 956 R11	85	330 825 R92	69	331 609 R91	125
324 226 R1	90A	327 957 R2	87	330 836 R91	78	331 609 R91	129
324 226 R1	151	327 959 R1	84	330 837 R91	78	331 612 R91	125
324 227 R1	90A	327 960 R1	85	330 838 R91	78	331 612 R91	129



# NUMERICAL INDEX



PART NUMBER	PAGE NUMBER	PART NUMBER	PAGE NUMBER	PART NUMBER	PAGE NUMBER	PART NUMBER	PAGE NUMBER
331 626 R92	112	333 826 R1	88	338 623 R91	94	346 666 R91	23B
331 645 R11	121	333 827 R1	88	338 624 R91	94	346 666 R91	24
331 646 R11	121	333 829 R91	88	338 642 R91	74	346 734 R91	148
331 647 R1	121	333 830 R1	88	338 643 R92	74	346 792 R1	29B
331 648 R91	121	333 835 R91	43	338 644 R92	74	346 792 R1	32
331 649 R1	74	333 851 R91	90A	338 645 R91	74	346 821 R91	94
331 650 R1	74	333 852 R91	90	338 646 R1	74	346 822 R1	94
331 669 R1	92	333 853 R1	90	338 648 R1	74	347 066 R91	37
331 679 R91	41A	333 854 R92	90A	338 651 R94	99	347 230 R1	33
331 681 R1	142	333 857 R2	90	338 662 R91	133	347 243 R1	99
331 690 R91	142	333 992 R91	132	338 725 R91	24	347 297 R1	90A
331 702 R91	43	334 101 R11	41	338 743 R91	24	347 372 R91	49
331 703 R1	24	334 101 R11	43	338 743 R91	25A	347 516 R91	93
331 703 R1	25A	334 102 R11	41	338 744 R91	25B	347 521 R91	94
331 704 R91	120	334 102 R11	43	338 751 R1	96	347 553 R1	90A
331 706 R1	24	334 103 R1	41	338 752 R1	96	347 641 R1	98
331 706 R1	25A	334 103 R1	43	338 752 R1	96	347 751 R91	138
331 706 R1	25B	334 420 R1	108	338 753 R1	96	347 823 R91	33
331 715 R91	120	334 445 R1	133	338 754 R1	96	347 837 R91	149
331 716 R1	76	334 445 R1	135	338 783 R91	93	347 837 R91	93
331 722 R1	77	334 445 R1	137	338 784 R91	94	347 958 R91	93
331 724 R1	76	334 600 R1	77	338 818 R91	30	347 959 R91	93
331 728 R11	121	334 701 R91	69	338 822 R1	147	349 038 R1	46
331 732 R91	147	334 740 R1	92	338 826 R91	59	349 038 R1	151
331 739 R11	41	334 787 R91	68	338 826 R91	67	349 039 R1	47
331 740 R1	41	334 787 R91	69D	338 835 R1	17	349 055 R2	13
331 741 R1	41	334 788 R1	38	338 896 R1	59	349 055 R2	47
331 742 R11	41	334 789 R91	38	338 951 R91	14	349 363 R1	13
331 764 R11	121	336 009 R91	93	338 977 R92	132	349 381 R1	11
331 765 R11	121	336 070 R91	33	338 977 R92	134	350 602 R1	21
331 775 R1	94	336 103 R1	99	338 978 R91	132	350 684 R1	46
331 779 R1	146	336 109 R1	37	338 978 R91	133	350 684 R1	151
331 790 R91	142	336 234 R91	93	338 978 R91	134	351 048 R1	85
331 792 R2	18	336 651 R91	133	339 105 R92	32	352 221 R1	49
331 793 R2	18	338 078 R91	75	339 109 R91	32	352 221 R1	151
331 793 R2	75	338 098 R1	128	341 195 R92	48	353 936 R2	94
331 794 R91	38	338 099 R1	128	341 762 R91	87	354 836 R1	83
331 861 R11	140	338 100 R2	132	341 763 R1	87	355 889 R3	37
331 962 R91	95	338 100 R2	133	341 764 R1	104	355 966 R1	87
331 976 R1	23A	338 100 R2	134	341 808 R1	74	355 967 R1	151
331 977 R1	23A	338 101 R2	133	341 811 R1	85	356 062 R91	66
331 978 R1	24	338 101 R2	137	341 812 R1	85	356 062 R91	69D
332 026 R91	32	338 102 R31	120	341 822 R1	146	357 672 R91	16
332 110 R11	19	338 103 R41	120	341 823 R1	146	358 563 R91	67
332 110 R11	20	338 107 R1	29B	341 874 R91	68	358 563 R91	69B
332 111 R1	18	338 108 R11	130	341 874 R91	70	358 563 R91	69D
332 112 R21	147	338 111 R91	128	341 925 R1	104	358 581 R91	67
332 112 R21	148	338 112 R11	129	341 947 R91	28	358 584 R91	67
332 112 R21	149	338 112 R11	128	341 947 R91	29A	358 588 R91	67
332 117 R1	45	338 113 R11	130	341 949 R1	83	359 374 R91	66
332 136 R1	18	338 116 R1	128	341 950 R91	83	359 374 R91	69B
332 137 R91	49	338 116 R1	130	342 968 R1	15	359 437 R91	67
332 267 R91	14	338 117 R11	130	343 556 R1	99	362 120 R1	68
332 270 R91	14	338 123 R91	128	343 691 R1	88	362 120 R1	69D
332 273 R91	14	338 124 R1	128	343 700 R1	88	362 120 R11	69
332 276 R91	14	338 150 R1	97	343 700 R1	151	362 120 R11	69C
332 279 R91	14	338 151 R11	97	343 712 R91	33	362 123 R1	46
332 436 R1	17	338 165 R1	87	343 713 R91	33	362 123 R1	47
332 489 R1	31	338 249 R1	106	343 834 R1	97	362 428 R91	133
332 489 R1	34	338 265 R1	123	343 893 R91	148	363 717 R91	34
332 490 R1	31	338 266 R1	123	343 894 R1	35	364 839 R1	92
332 490 R1	33	338 267 R1	123	343 968 R91	33	364 839 R1	93
332 491 R2	31	338 268 R1	123	345 245 R92	9	364 839 R1	94
332 491 R2	34	338 269 R1	123	345 409 R1	10	364 910 R1	58
332 495 R91	35	338 270 R11	123	345 409 R1	13	364 910 R1	68
332 496 R91	35	338 335 R91	92	345 526 R91	66	364 910 R1	69C
332 603 R1	147	338 357 R1	107	345 526 R91	69C	367 225 R1	18
332 618 R11	32	338 360 R1	73	345 574 R1	97	367 229 R1	18
332 624 R1	33	338 383 R91	129	345 574 R1	97	367 240 R1	18
332 652 R91	151	338 390 R1	111	345 576 R11	97	367 272 R1	14
333 703 R91	117	338 390 R1	111	345 610 R1	42	367 272 R1	14
333 712 R1	94	338 391 R1	111	345 610 R91	150	367 276 R91	14
333 719 R91	92	338 392 R91	111	345 643 R91	111	367 279 R91	14
333 719 R91	96	338 393 R1	111	345 645 R1	111	367 282 R91	14
333 723 R91	133	338 399 R91	125	345 646 R1	111	367 285 R91	14
333 723 R91	134	338 399 R91	129	345 649 R91	111	367 288 R91	14
333 774 R1	29	338 415 R1	99	345 794 R11	23A	367 291 R91	14
333 774 R1	29B	338 546 R1	138	345 795 R1	23A	367 294 R91	14
333 784 R1	125	338 550 R92	75	345 811 R91	94	367 297 R91	15
333 784 R1	129	338 564 R91	41A	345 811 R91	94	367 300 R91	14
333 785 R1	107	338 586 R91	93	345 832 R11	128	367 303 R91	14
333 787 R92	99	338 587 R91	92	345 832 R11	130	367 306 R91	14
333 822 R91	88	338 587 R91	93	346 505 R91	94	367 309 R91	14
333 824 R1	88	338 587 R91	94	346 509 R1	99	367 408 R11	17
333 825 R1	88	338 596 R91	93	346 596 R91	90A	367 572 R1	16
		338 621 R91	92	346 647 R91	90	367 578 R1	16



# NUMERICAL INDEX

PART NUMBER	PAGE NUMBER	PART NUMBER	PAGE NUMBER	PART NUMBER	PAGE NUMBER
367 580 R11	16	584 268 R91	90		
367 630 R91	17	584 269 R1	90		
367 631 R11	17	612 681 R1	138		
367 632 R11	17	615 029 R1	73		
367 984 R1	31	615 029 R1	129		
368 269 R1	93	615 031 R1	92		
368 333 R1	37	615 031 R1	96		
368 334 R1	37	631 255 R1	84		
368 492 R1	36	684 154 R1	146A		
368 493 R1	36	708 560 R1	87		
368 501 R2	45	708 560 R1	151		
368 985 R2	13	871 570 R1	106		
368 985 R2	31	915 499 R1	135		
368 986 R91	13	915 499 R1	136		
368 986 R91	31	915 500 R1	135		
369 497 R2	23A	915 500 R1	136		
369 497 R2	25B	972 386 R91	73		
369 497 R2	27	999 677 R91	142		
369 497 R2	53	1 017 851 R1	122		
369 875 R1	111	1 019 023 R1	70		
369 981 R1	13	1 019 024 R2	41A		
369 981 R1	151	1 019 026 R1	119		
369 982 R1	13	1 085 172 R1	27		
369 982 R1	151	1 085 174 R1	27		
369 984 R1	49	2 750 008 R1	82		
369 984 R1	151	2 750 387 R1	150		
369 987 R1	70	2 750 390 R1	150		
371 217 R1	41	2 751 309 R2	150		
371 699 R2	13	2 751 389 R1	150		
374 544 R92	45	2 751 392 R1	150		
374 587 R91	13	2 752 311 R1	150		
375 612 R91	13	2 752 940 R1	27		
376 602 R91	45				
376 666 R11	17				
376 668 R11	17				
376 670 R91	14				
376 673 R91	14				
376 676 R91	14				
376 679 R91	15				
376 683 R91	14				
376 686 R91	14				
376 689 R91	14				
376 692 R91	15				
382 357 R91	15				
382 360 R91	15				
382 432 R1	109				
384 203 R91	133				
384 203 R91	135				
384 203 R91	137				
384 525 R1	48				
384 527 R1	48				
384 528 R1	48				
384 529 R1	48				
384 530 R11	48				
384 532 R1	48				
384 533 R91	48				
384 535 R1	48				
384 536 R1	48				
384 995 R1	57				
384 996 R1	57				
384 997 R1	57				
387 931 R1	45				
403 066 R91	13				
407 010 R1	27				
407 015 R1	24				
407 015 R1	25A				
407 015 R1	27				
428 541 R91	146A				
428 541 R91	146B				
449 373 R1	146A				
454 331 R1	88				
461 173 R1	77				
461 173 R1	83				
461 173 R1	151				
466 191 R1	87				
468 339 R1	87				
468 339 R1	151				
512 889 R1	141				
516 010 R1	98				
526 609 R91	25A				
526 609 R91	25B				
526 611 R91	146A				
570 828 R1	93				
570 838 R1	93				
570 879 R1	111				

**S**

SS	83	144
SS	83	145
SS	123	144
SS	123	145
ST	205 A	141
ST	211	73
ST	238	81
ST	238	82
ST	276	116
ST	333	107
ST	572	87
ST	655	117
ST	684	117

**T**

TP	24	144
TP	24	145
	9 982 T	13

**V**

	538 V	45
	61 261 VA	47
	61 263 VA	47





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 159 Loader Parts Catalog, Form TC93B Rev. 8 released since Rev. 7 dated 2-70.

PAGE NO.	NEW PART NUMBER	DISPLACED PART NUMBER	PAGE NO.	NEW PART NUMBER	DISPLACED PART NUMBER
9	367 575 R92	367 576 R21	140	672 994 C1	---
17	674 726 C91	609 336 C92	140	623 761 C1	---
17	674 727 C91	---	140	650 382 C91	---
17	609 343 C91	---	142	611 144 C1	---
17	---	615 288 C1	142	650 382 C91	276 678 R91
17	---	615 289 C1	146B	628 156 C91	701 980 C91
17	---	278 329 R1	146B	650 382 C91	---
17	---	609 345 C91	147	624 916 C91	---
17	---	612 006 C91			
17	---	612 007 C91			
17	---	609 026 C11			
17	---	609 027 C11			
21	650 430 C91	283 001 R91			
21	---	321 576 R91			
21	628 164 C91	320 350 R91			
22	650 430 C91	283 001 R91			
22	650 382 C91	---			
23A	313 625 R91	391 928 R91			
24	624 919 C91	---			
+25A	---	---			
+25B	---	---			
28	618 688 C1	---			
29A	618 688 C1	---			
31	673 178 C1	---			
31	678 026 C1	---			
31	678 027 C1	---			
41	627 799 C1	31 729 D			
41	612 558 C1	325 371 R1			
41	650 382 C91	---			
+41A	---	---			
46	141 615	---			
46	444 054	---			
48	384 525 R1	304 525 R1			
50	627 915 C91	---			
58	650 382 C91	276 678 R91			
72	619 405 C1	41 597 DA			
74	119 739 H1	338 647 R91			
90	627 365 C1	---			
90	627 367 C1	---			
90	627 366 C1	---			
90	627 400 C1	---			
90	---	*346 647 R91			
90A	627 669 C1	---			
90A	627 667 C1	---			
90A	627 666 C1	---			
90A	627 668 C1	---			
90A	627 401 C91	---			
90B	630 110 C1	---			
96	613 797 C91	---			
98	---	703 239 C91			
102	619 405 C1	41 597 DA			
120	624 902 C91	---			
121	624 905 C1	---			
121	624 907 C1	---			
138	156 483 H1	321 754 R91			
140	628 187 C91	---			

+ - 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.

MEMORANDA





