

TC-81



INTERNATIONAL®

PARTS CATALOG

TD-9 (92 Series)
CRAWLER TRACTOR

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INTERNATIONAL HARVESTER COMPANY

180 North Michigan Avenue

Chicago 1, Illinois, 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.

(THIS CATALOG INCLUDES REVISIONS 1 THRU 5)

TD-9 (92 SERIES) CRAWLER TRACTOR

FORM

TC-81

October, 1960

*(This Catalog together with TC-83
supersedes TC-78)*

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 name plate on dash)

Engine Serial No. _____
(Below serial No. TD-92M 2681 stamped on left-hand side of engine to the front and above oil cooler mounting pad)
(Above serial No. TD-92M 2681 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 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.

TC-81

(INCLUDING REV. NO. 1 THRU 5)

**TD-9 (92 SERIES)
CRAWLER TRACTOR
PARTS CATALOG**

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INTRODUCTION

This catalog contains a complete list of service parts for the TD-9 (92 Series) Crawler Tractor. The TD-9 (92 Series) has a 6-cylinder 3-11/16 x 4.390 (DT-282) turbo-charged 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 designed into a new double-column page format, and is divided into four separate sections --- Introductory pages, Indexes to Units; Illustrations and Parts Lists, and Numerical Index.

(1) INDEXES. Two types of indexes are employed herein. The Index to Units for a specific classification will list alphabetically all of the units comprising the classification and will direct the user of the catalog to the page where the illustration and parts list may be found. A Numerical Index at the back of the catalog contains a listing of part numbers (excluding standard fasteners) with the page number showing where each part is listed and described.

NOTE - It is important that you refer frequently to the Index to Units. Failure to do so will result in not being able to locate the proper unit.

(2) ILLUSTRATIONS. The method of illustrating parts in this catalog is known as the "Exploded View" method. The individual parts in each illustration are shown in their normal relationship 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 preceding or following the illustration. Unnumbered parts are the same as corresponding parts with reference numbers shown elsewhere in the illustrations.

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. 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/PLUG, 49 950 D and two PLUG, 172 530, 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 and "Rear" indicates the drawbar end of the unit. 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.

In the 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 units it was possible to remove the multiple "Number Required" column. The number required information is shown in parenthesis (2 for Unit A, 3 for Unit B) following the description of the item. When a unit letter (Unit A) is shown without a quantity it should be understood to mean only one (1) is required per unit. Letters of these units correspond with those shown at the beginning of the individual parts list or at the beginning of a group comprising several minor parts lists.

(4) ASSEMBLIES AND ATTACHMENTS. Where ever 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.

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

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

(5) PART NUMBERS. The policy governing part numbers is outlined in the pamphlet "What is a Parts Number?" which has been distributed throughout the company operations.

(6) MISCELLANEOUS PARTS. In a great many instances, parts which appear in an "Exploded View" -- such as standard bolts, screws, nuts, etc. -- are not identified by a reference number. These parts are known as COMMON HARDWARE

INTRODUCTION - Continued

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, and 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 GROOV 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 shown in the following chart:

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

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

(8) SERIAL NUMBERS AND PREFIX LETTERS

Crawler Tractor	Engine Serial Prefix and Starting Serial No.	Basic Engine Serial Prefix and Starting Serial No.	Chassis or Crawler Tractor Serial Prefix and Starting Chassis No.
TD-9 (92 Series)	TD-92M 501	BSD-282 501	TD-92 501

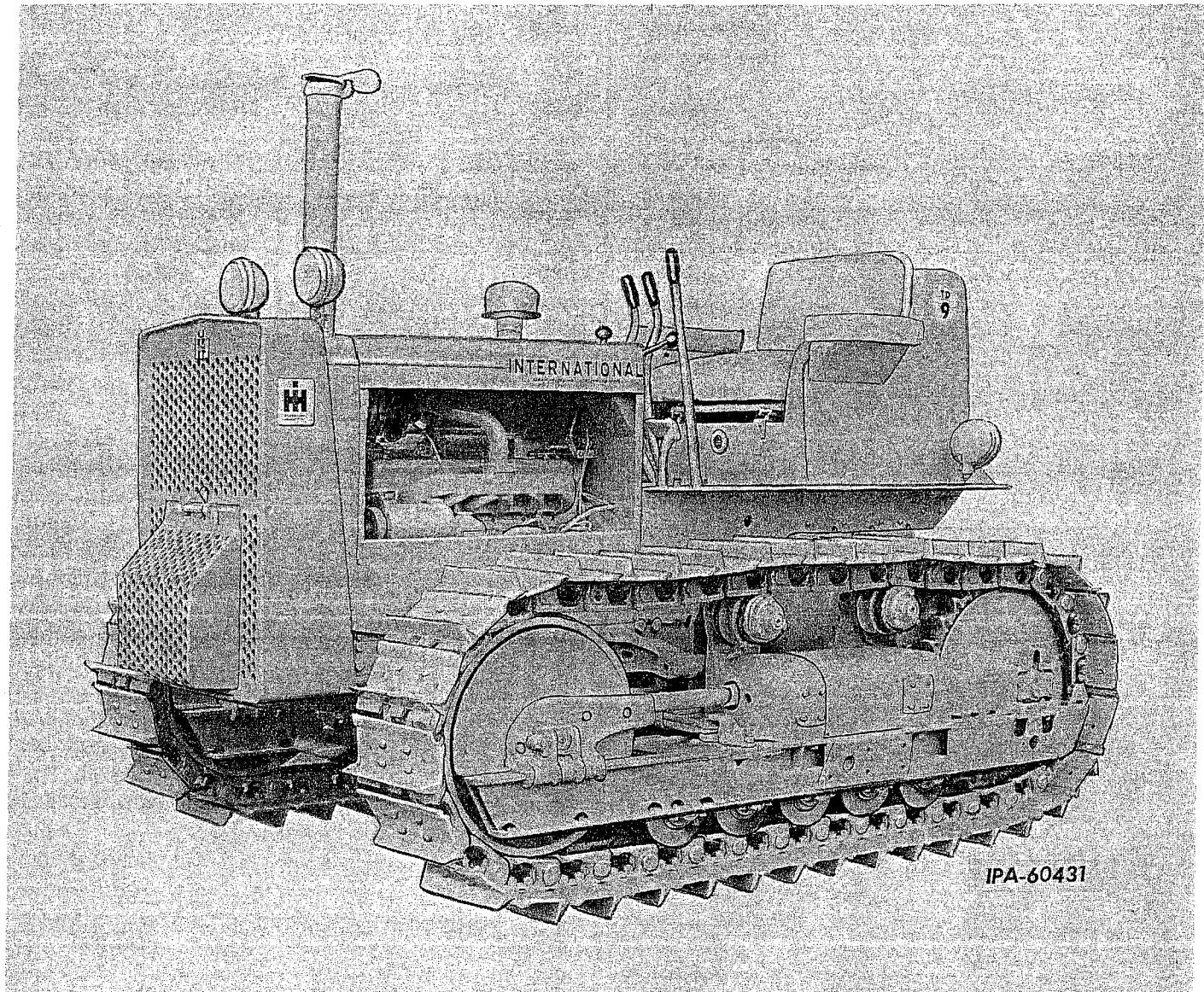
Serial numbers for diesel engines and basic engines, TD-92M or BSD-282 below 2681, are stamped on a pad on the left side of the engine to the front and above oil cooler mounting pad.

Serial numbers for diesel engines and basic engines, TD-92M or BSD-282 above 2681, are stamped on the right side of the engine to the front and above the fuel injection pump.

Serial numbers for chassis (or crawler tractors) are stamped on the name plate 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.



TD-9 (92 Series) Equipped with Radiator Guard, Front Pull Hook,
Extended Track Frame and Exhaust Rain Cap Attachments.

LIST OF ABBREVIATIONS

Always use period after abbreviations except after w/, w/o, f/, and those fully capitalized.

al. aluminum
 aly-stl. alloy steel
 amps. amperes
 anl. annealed
 approx. approximately
 bd-hd. binding head
 b-hd. button head
 brs. brass
 brz. bronze
 cd-pltd. cadmium plated
 cd-pltd-stl. cadmium plated steel
 crg. carriage
 cr-pltd. chromium plated
 cr-pltd-stl. chromium plated steel
 CI cast iron
 csk. countersunk
 csk-hd. countersunk head
 cl-rec-hd. clutch recess head
 cone-pt. cone point
 contd. continued
 cop. copper
 cop-pltd. copper plated
 c-pin cotter pin
 cres. corrosion-resistant-steel (stainless)
 cr-rec-hd. cross recess head
 cre. corrosion resisting
 cup-pt. cup point
 cys. cylinders
 dia. diameter
 dld. drilled
 dld-f/c-pin drilled for cotter pin
 dld-f/lkg-wire drilled for locking wire
 dog-pt. dog point
 f/ for
 fil-hd. fillister head
 fin-nk. fin neck
 f-csk-hd. flat countersunk head
 f-fil-hd flat fillister head
 f-hd. flat head
 f-pt. flat-point
 flex. flexible
 ft. foot (or feet)
 ga. gauge
 hd. head
 hdls. headless
 hex. hexagon
 hex-hd. hexagonal-head
 hex-soc-hd. hexagon socket head
 hp. horsepower
 hv. heavy
 ID inside diameter

in. inch or inches
 lbs. pounds
 lentil-hd. lentil head
 LH left hand
 lkg. locking
 mach. machine
 MI malleable iron
 NC National Coarse Thread
 NF National Fine Thread
 ni. nickel
 ni-pltd-stl. nickel plated steel
 No. number
 NPT National pipe thread
 OC outside circumference
 OD outside diameter
 ov-hd. oval head
 oz. ounce
 parkerized-stl. parkerized steel
 pltd. plated
 pt. point
 rd-end round end
 rd-hd. round head
 rd-pt. round point
 reg. regular
 RH right hand
 SAE Society of Automotive Engineers
 sf. semi-finished
 slt-hd. slotted head
 slt-bd-hd. slotted binding head
 slt-fil-hd. slotted fillister head
 slt-fi-hd. slotted flat head
 slt-hex-hd. slotted hexagon head
 slt-pan-hd. slotted pan head
 slt-rd-hd. slotted round head
 sq. square
 sq-hd. square head
 sq-nk. square neck
 std. standard
 std-hd. standard head
 stl. steel
 T teeth
 thd. thread
 unfin. unfinished
 wagon-box-hd. wagon box head
 w/ with
 w/brz. with bronze
 w/hex. with hexagon
 w/o without
 zn. zinc
 zn-ct. zinc coated
 zn-pltd. zinc plated

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TD-9 (92 SERIES) BASIC SERVICE ENGINE

304 449 R91 ENGINE, Basic Service Diesel

(Consists of —

Cylinder Head, Valves, Valve cover

Crankcase, Front Cover, Camshaft
and Related Parts

Crankshaft and Related Parts,
Connecting Rods, Pistons and Sleeves

Crankcase Oil Pan and Lubricating Oil Pump)

TD-9 (92 SERIES) REPLACEMENT SERVICE ENGINES

306 665 R91 ENGINE, replacement w/Turbo-Charger

(Not used with Rigid Track Loader)

(Diesel Engine complete from Water
Pump to Flywheel inclusive)

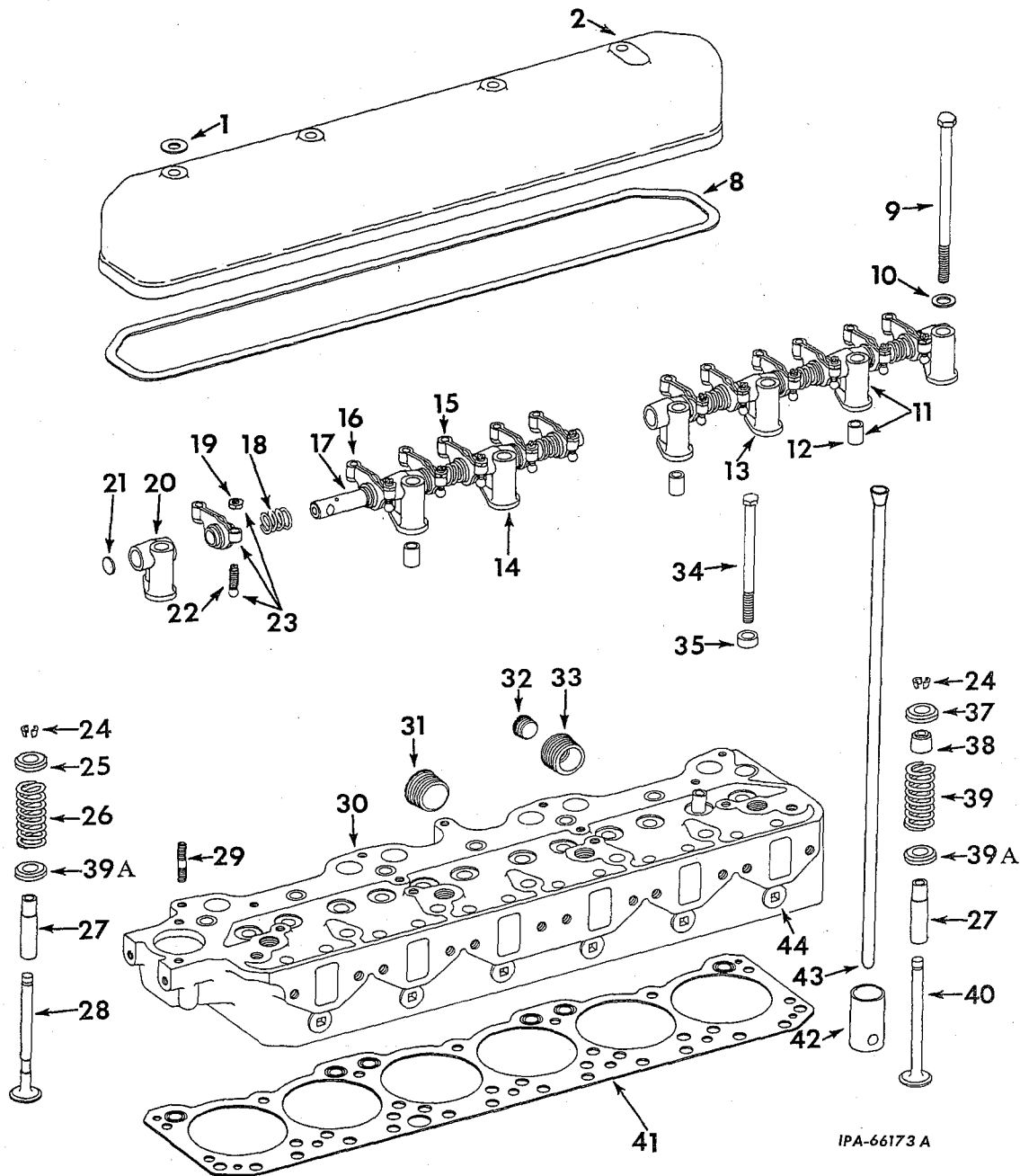
316 491 R91 ENGINE, Replacement w/Turbo-Charger

(Used with Rigid Track Loader) (Diesel Engine
complete from Water Pump to Flywheel inclu-
sive less Fan Pulley and Adapter)



DIESEL ENGINE

CYLINDER HEAD, VALVE COVER, VALVES AND ROCKER ARM ASSEMBLY



IPA-66173 A

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1		WASHER, valve cover bolt (3/8 x 3/4 x .065") (copper) (4)
2	278 307 R1	COVER, valve 3/8 x 4-3/4" hex-hd. cap SCREW (4)
8	278 308 R1	GASKET, valve cover
9	320 097 R1	BOLT, cylinder head (long) (used only with 278 368 R41) (9)

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REF. NO.	I. H. PART NUMBER	DESCRIPTION
9	367 190 R1	BOLT, cylinder head (long) (used only with 278 368 R31) (9)
10	58 516 H	WASHER, cylinder head bolt (7)
11	76 860 R11	BRACKET w/DOWEL, 69 500 R1, rocker arm shaft (Nos. 2, 4 and 6) (3)
12	69 500 R1	DOWEL, rocker arm shaft bracket (3)

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DIESEL ENGINE

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

13	76 858 R1	BRACKET, rocker arm shaft (No. 5)
14	76 858 R1	BRACKET, rocker arm shaft (No. 3)
15	278 304 R21	ARM w/SCREW, 16 067 DA and NUT, 133 093 R1, RH exhaust rocker (3)
16	323 727 R91	ARM w/SCREW, 16 067 DA and NUT, 133 093 R1, intake rocker (6)
17	318 020 R11	SHAFT w/PLUG 169 071 R1, rocker arm (2)
18	35 619 H	SPRING, rocker arm shaft (6)
19	133 093 R1	NUT, tappet adjusting screw lock (12)
20	76 859 R1	BRACKET, rocker arm shaft (Nos. 1 and 7) (2)
21	169 071 R1	PLUG, cup (2)
22	16 067 DA	SCREW, tappet adjusting (12)
23	278 303 R21	ARM w/SCREW, 16 067 DA and NUT, 133 093 R1, LH exhaust rocker (3)
24	41 339 D	KEY, valve spring seat (24)
25	151 167 R3	RETAINER, valve spring (will work for 76 950 R2) (6)
26	315 744 R1	SPRING, exhaust valve (together with 317 935 R91 and 151 167 R3 will work for 367 192 R1) (6)
27	278 370 R1	GUIDE, valve (12)
28	278 302 R1	VALVE, exhaust (6)
29	303 473 R1	STUD, exhaust manifold (10)
30	278 368 R41	HEAD ASSEMBLY, cylinder (Composed of -
	1 BUSHING	142 765
	12 GUIDE	278 370 R1
	§1 HEAD	
	1 PLUG	103 880
	2 PLUG	50 410 DA
	5 PLUG	264 057 R1
	11 PLUG	271 848 R91
	10 STUD	303 473 R1)
31	264 057 R1	PLUG, 1-1/4" csk-hdls. pipe (5)
32	103 880	PLUG, 1/2" sq-hd. pipe
33	142 765	BUSHING, 1-1/4 x 1/2" reducing pipe
34	278 305 R1	BOLT, cylinder head (short) (5)
35	278 306 R1	WASHER, cylinder head bolt (5)
35	315 701 R1	SPACER, cylinder head bolt (2)
37	151 167 R3	RETAINER, valve spring (will work for 76 950 R2) (6)
38	866 834 R1	DEFLECTOR, intake valve stem oil TD-92M 501 to 4929 (6)
39	315 744 R1	SPRING, intake valve (together with 317 935 R91 and 151 167 R3 will work for 367 192 R1) (6)
39A	317 935 R91	ROTOCOIL, intake and exhaust (together with 315 744 R1 and 151 167 R3 will work for 367 193 R91) (12)
40	278 301 R1	VALVE, intake (6)
41	318 366 R3	GASKET, cylinder head
42	75 524 R3	TAPPETS, valve (12)
43	164 436 R91	ROD w/upper and lower rod ENDS, valve lifter (12)
44	271 848 R1	PLUG, 3/4" sq-soc. pipe (11)
	306 640 R21	BRACKET, air cleaner (See NOTE) 3/8 x 1-1/8" hex-hd. cap SCREW 3/8" lock WASHER
	50 410 DA	PLUG, 1/8" sq-soc. pipe (2)

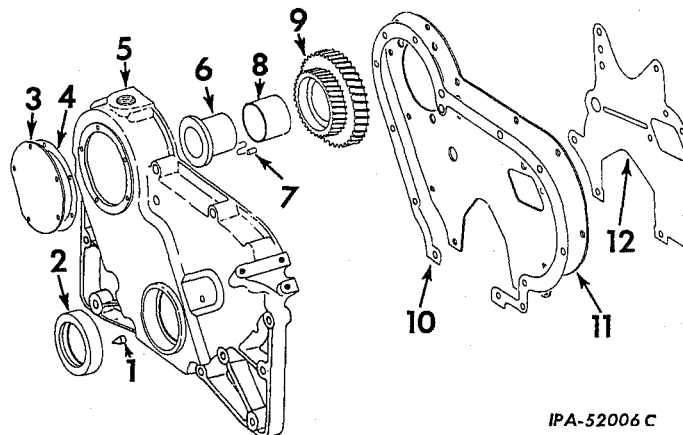
NOTE - Also listed and illustrated under
"Air Cleaner and Connections" in Fuel
System Section.

§ - Not Furnished Separately.



DIESEL ENGINE

CRANKCASE FRONT COVER AND IDLER GEAR



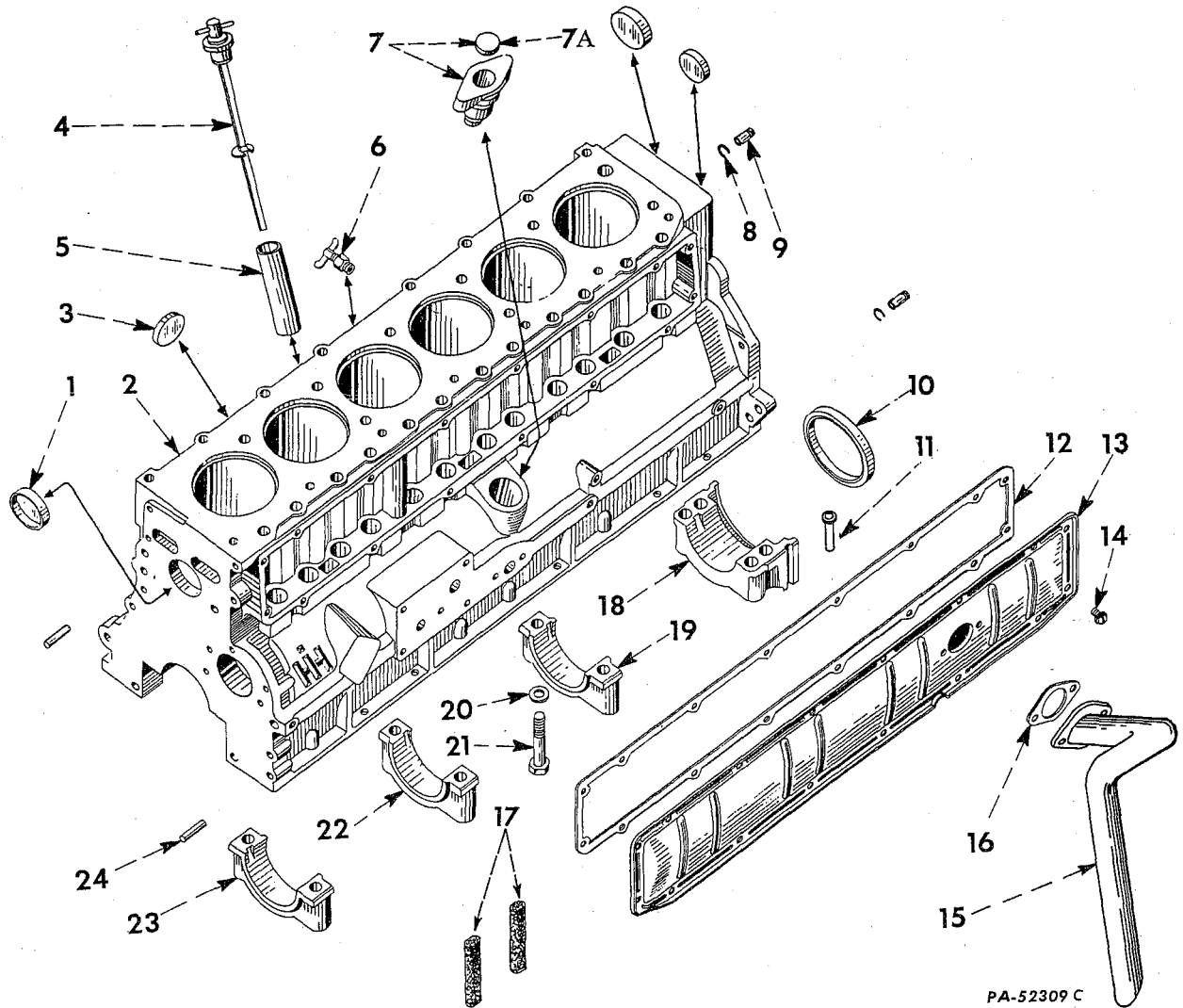
IPA-52006 C

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	367 572 R1	POINTER, timing
2	357 672 R91	OIL SEAL, crankshaft
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	306 636 R11	COVER w/POINTER, 367 572 R1, and OIL SEAL, 357 672 R91 crankcase front 1/2NF NUT (3)
	16 081 R1	SCREW, 1/2 x 3-1/8" hex-hd. cap (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 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, 3/4 x 3/4" NPT hose
	264 723 R1	NUT, spline (3)



DIESEL ENGINE

CRANKCASE AND RELATED PARTS



PA-52309 C

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	70 129 R1	PLUG, core hole (2)
2	312 434 R92	CRANKCASE ASSEMBLY (will work for 310 383 R91 and 278 262 R91)
		(Composed of -
	1	BEARING 70 259 R2
	1	BEARING 70 260 R1
	1	BEARING 70 261 R1
	1	BEARING 70 262 R2
	10	BOLT 70 133 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 R1
	1	ELBOW 309 094 R1
	1	NUT 309 095 R1
	2	PIN 19 328 R1
	1	PLUG 50 410 DA
	6	PLUG 70 128 R1
	2	PLUG 70 129 R1

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DIESEL ENGINE

CRANKCASE AND RELATED PARTS - CONTINUED

REF. NO.	I.H. PART NUMBER	DESCRIPTION
2	312 434 R92	CRANKCASE ASSEMBLY - Continued
		(Composed of - Continued
	1	PLUG 103 865
	2	PLUG 126 045
	2	RING 371 315 R1
	1	TUBE 368 985 R2
	10	WASHER 58 516 H)
	272 976	PLUG, 1/8" automotive hex-soc-hd. CI pipe (optional with 272 977 or 444 687) (3
	272 977	PLUG, 1/8" automotive hex-soc-hd. M1 pipe (optional with 272 976 or 444 687) (3
	444 687	PLUG, 1/8" automotive hex-soc-hd. stl. pipe (optional with 272 976 or 272 977) (3
	126 045	PLUG, 3/8" sq-soc-hd. pipe (short) (2)
3	70 128 R1	PLUG, core hole (6)
4	368 986 R91	GAUGE, oil level
5	368 985 R2	TUBE, oil filler

§ - Not Furnished Separately.

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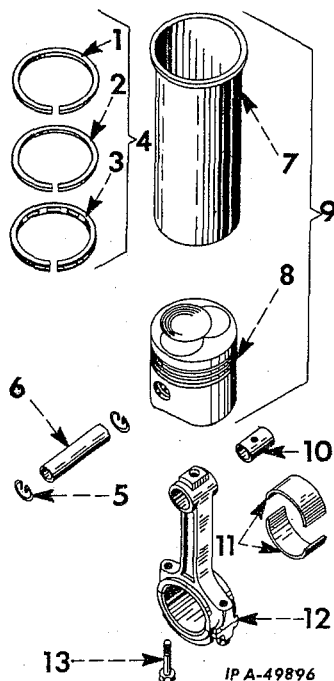
(REV. NO. 3 7-62)



DIESEL ENGINE

REF. NO.	I.H. PART NUMBER	DESCRIPTION
CRANKCASE AND RELATED PARTS - CONTINUED		
6	141 615	VALVE, 1/4" drain (type "B")
7	306 637 R11	SUPPORT w/PLUG, 41 162 D, oil pump shaft
7A	41 162 D	PLUG, oil pump shaft support
8	371 315 R1	RING, snap (2)
9	371 699 R1	DOWEL, engine rear support (2)
10	374 006 R91	OIL SEAL, rear bearing cap (will work for 370 417 R91)
11	310 665 R1	PACKING, rear bearing cap (will work for 1 738 Y) (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, w/WASHER, valve push rod cover (16)
15	306 634 R11	PIPE, breather
	374 587 R91	SCREW, w/WASHER, slt-rd-hd (2)

CONNECTING ROD AND PISTON UNIT



REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	317 879 R1	RING, piston (top compression) (used with PISTON 318 377 R1 and 306 276 R2) (6)
1	278 327 R1	RING, piston (top compression) (used with PISTON, 306 276 R1) (6)
2	338 403 R1	RING, piston (compression intermediate) (6)
3	278 329 R1	RING, piston (oil regulating) (6)
4	316 336 R92	PACKAGE, piston ring field service (consists of six RING, 317 879 R1, six RING, 278 329 R1 and six RING, 338 403 R1) (used with PISTON, 318 377 R2 and 306 276 R2)
4	278 334 R92	PACKAGE, piston ring field service (consists of six RING, 278 327 R1, six RING, 278 329 R1 and six RING, 338 403 R1) (used with PISTON, 306 276 R1)
5	338 835 R1	RING, piston pin retainer (12)

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DIESEL ENGINE

REF. NO.	I.H. PART NUMBER	DESCRIPTION
CRANKCASE AND RELATED PARTS - CONTINUED		
16	369 981 R1	GASKET, breather pipe
17	315 849 R1	ELEMENT, breather pipe (2)
18	306 674 R1	CAP, crankshaft rear bearing
19	306 673 R1	CAP, crankshaft rear intermediate bearing
20	58 516 H	WASHER, crankshaft bearing cap bolt (10)
21	70 133 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
	309 094 R1	ELBOW, union (flexible)
	309 095 R1	NUT, coupling
	19 328 R1	PIN, roll (2)
	50 410 DA	PLUG

REF. NO.	I.H. PART NUMBER	DESCRIPTION
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CONNECTING ROD AND PISTON UNIT - CONTINUED

6	306 277 R1	PIN, piston (6)
6	306 283 R1	PIN, piston (.005" oversize) (6)
7	278 272 R1	SLEEVE, cylinder (6)
7	323 802 R1	SLEEVE, cylinder (.002" oversize OD) (part of PACKAGE, 323 803 R91)
8	318 377 R2	PISTON (will work for 306 276 R2) (6)
9	318 385 R92	SLEEVE SET (consists of six SLEEVE w/PISTON, 318 384 R92) (will work for 306 287 R92)
9	318 384 R92	SLEEVE w/PISTON and RING ASSEMBLY, cylinder (will work for 306 285 R92) (6) (Composed of -
	1	PACKAGE 320 017 R91
	1	PIN 306 277 R1
	1	PISTON 318 377 R2
	1	RING 338 403 R1
	1	RING 278 329 R1
	2	RING 338 835 R1)
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 BOLT, 316 366 R1 and BUSHING, 306 708 R1, connecting (6)
13	316 366 R1	BOLT, connecting rod (12)
	367 630 R91	BEARING SET, connecting rod (consists of six rod BEARING, 367 408 R11)
	320 017 R91	PACKAGE, cylinder sleeve (consists of SLEEVE, 278 272 R1, SHIM, 320 000 R1, and two SHIM, 320 018 R1) (6)
	323 803 R91	PACKAGE, piston (standard) and cylinder sleeve (.002" oversize) field service (Consists of -
	1	PIN 306 277 R1
	1	PISTON 318 377 R2
	1	RING 338 403 R1
	1	RING 278 239 R1
	1	RING 317 879 R1
	2	RING 338 835 R1
	1	SHIM 320 000 R1
	1	SHIM 320 018 R1
	1	SLEEVE 323 802 R1)
	320 000 R1	SHIM, cylinder sleeve (6)
	320 018 R1	SHIM, cylinder sleeve (12)

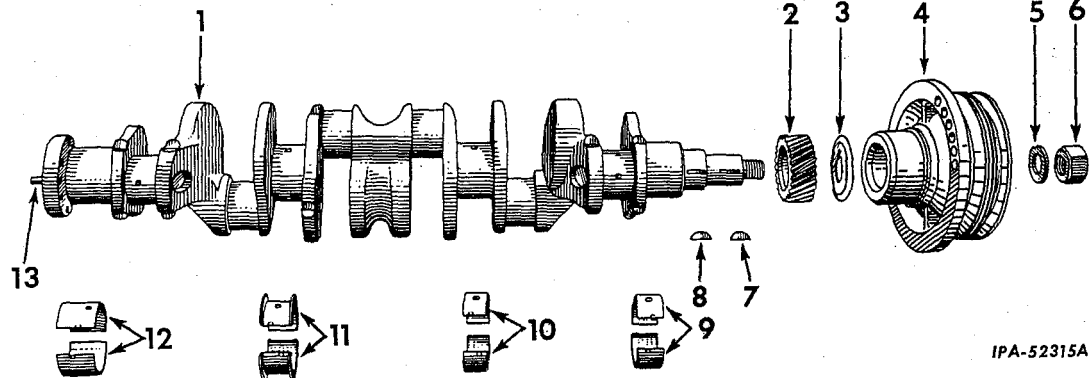
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DIESEL ENGINE

CRANKSHAFT, BEARINGS AND VIBRATION DAMPER



IPA-52315A

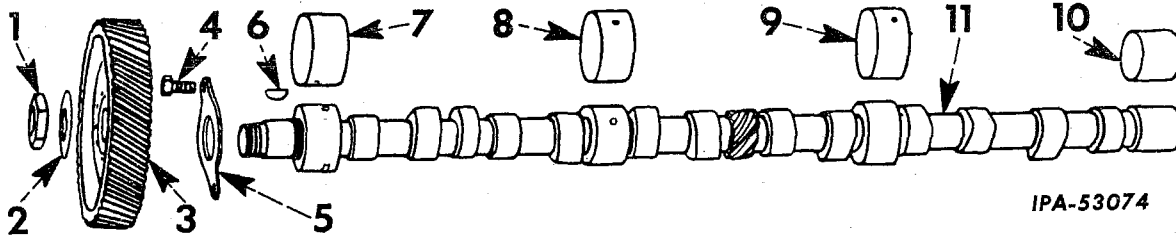
REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	320 188 R91	CRANKSHAFT ASSEMBLY (standard size) (will work for 367 269 R91 and 315 713 R93) (Composed of -
	1 BEARING	367 276 R91
	1 BEARING	367 279 R91
	1 BEARING	367 282 R91
	1 BEARING	367 285 R91
	6 BEARING	367 408 R11
	1 CRANKSHAFT	
	1 PIN	82 970 R1)
1		CRANKSHAFT (renewal) (order PACKAGE, 320 186 R91)
2	367 272 R1	GEAR, crankshaft
3	71 763 R2	SLINGER, crankshaft oil
4	306 367 R91	DAMPER, vibration
5	70 109 R1	WASHER, starting crank nut
6		NUT, 1NF jam
7	117 984	KEY, 5/16 x 1-3/8" fan drive pulley (Woodruff No. 23)
8	103 462	KEY, 3/16 x 1" crankshaft gear (Woodruff No. 13)
9	367 276 R91	BEARING, crankshaft front (standard size) (two halves)
9	367 300 R91	BEARING, crankshaft front (.002" undersize) (two halves)
9	376 670 R91	BEARING, crankshaft front (.010" undersize) (two halves)
9	376 683 R91	BEARING, crankshaft front (.020" undersize) (two halves)
9	367 288 R91	BEARING, crankshaft front (.030" undersize) (two halves)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
10	367 279 R91	BEARING, crankshaft intermediate front (standard size) (two halves)
10	367 303 R91	BEARING, crankshaft intermediate front (.002" undersize) (two halves)
10	376 673 R91	BEARING, crankshaft intermediate front (.010" undersize) (two halves)
10	376 686 R91	BEARING, crankshaft intermediate front (.020" undersize) (two halves)
10	367 291 R91	BEARING, crankshaft intermediate front (.030" undersize) (two halves)
11	367 282 R91	BEARING, crankshaft intermediate rear (standard size) (two halves)
11	367 306 R91	BEARING, crankshaft intermediate rear (.002" undersize) (two halves)
11	376 676 R91	BEARING, crankshaft intermediate rear (.010" undersize) (two halves)
11	376 689 R91	BEARING, crankshaft intermediate rear (.020" undersize) (two halves)
11	367 294 R91	BEARING, crankshaft intermediate rear (.030" undersize) (two halves)
12	367 285 R91	BEARING, crankshaft rear (standard size) (two halves)
12	367 309 R91	BEARING, crankshaft rear (.002" undersize) (two halves)
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
	320 186 R91	PACKAGE, crankshaft (renewal) field service (consists of CRANKSHAFT v /six connecting rod BEARING, four crankshaft BEARING, and PIN, 82 970 R1)



DIESEL ENGINE

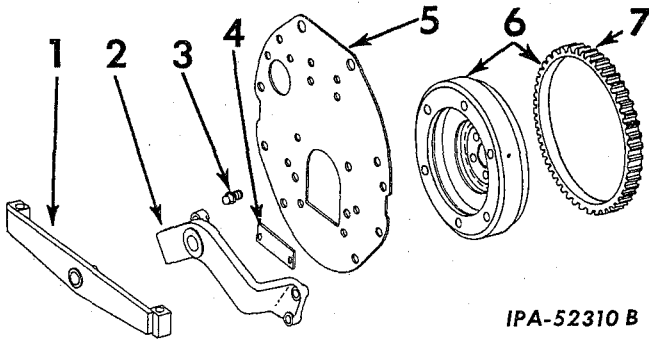
CAMSHAFT AND RELATED PARTS



IPA-53074

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	16 026 DB	NUT, camshaft gear
2	16 025 D	LOCK, camshaft gear nut
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)

FLYWHEEL AND ENGINE SUPPORTS



IPA-52310 B

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	306 648 R91	SUPPORT, front engine 5/8 x 3-3/4" hex-hd. cap SCREW (4) 5/8" lock WASHER (4)
2	306 646 R1	BRACKET, front engine support



DIESEL ENGINE

CAMSHAFT AND RELATED PARTS - CONTINUED

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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FLYWHEEL AND ENGINE SUPPORTS - CONTINUED

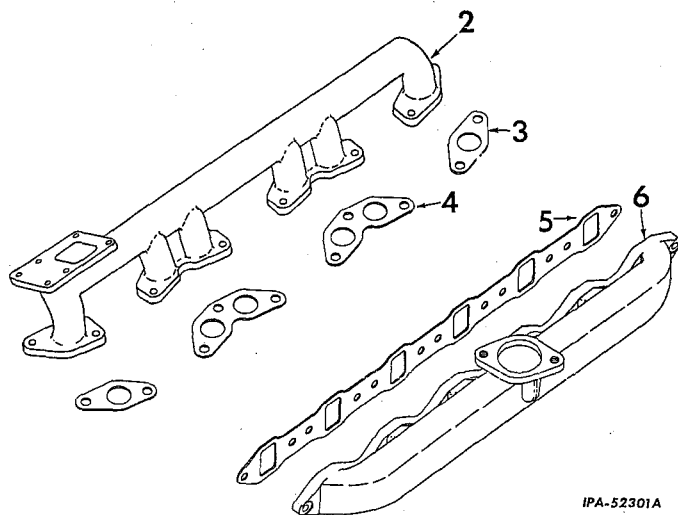
3	109 461	FITTING, lubrication (Lincoln 5000) (optional with 138 322 H)
3	138 322 H	FITTING, lubrication (Alemite 1610 BL) (optional with 109 461)
4	367 225 R1	SEAL, rear engine support dust 5/16 x 5/8" hex-hd. cap SCREW (2) 11/32 x 11/16" x No. 16 ga. plain WASHER (2)
5	306 645 R11	SUPPORT, rear engine 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)
9 409 050		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)



DIESEL ENGINE

EXHAUST SYSTEM

INTAKE AND EXHAUST MANIFOLD



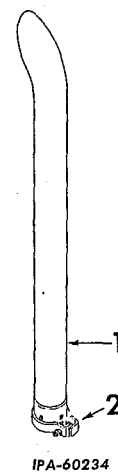
REF. NO.	I. H. PART NUMBER	DESCRIPTION
2	306 656 R1	MANIFOLD, exhaust
3	278 313 R2	GASKET, exhaust manifold (end) (2)
4	278 314 R1	GASKET, exhaust manifold (center) (2)
5	305 804 R1	GASKET, intake manifold
6	278 309 R3	MANIFOLD, intake 3/8 x 1-1/8" hex-hd. cap SCREW (12) 3/8" lock WASHER (12)
	264 196 R91	CLIP, pipe
	39 524 DA	NUT, exhaust manifold stud (10)
	103 878	PLUG, 1/4NPT sq-hd. stl. pipe (optional with 219 189)
	219 189	PLUG, 1/4NPT sq-hd. MI pipe (optional with 103 878)
	113 934 H	WASHER, exhaust manifold flat (10)



DIESEL ENGINE

EXHAUST SYSTEM

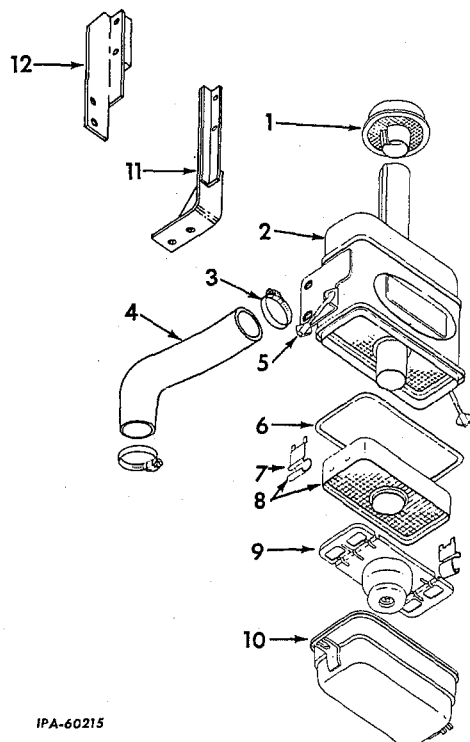
EXHAUST PIPE EXTENSION



REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	306 921 R1	PIPE, exhaust (not used with "Heavy Hood")
2	276 223 R91	CLAMP, exhaust pipe (2)



FUEL SYSTEM

AIR CLEANER AND CONNECTIONS
(Donaldson)

IPA-60215

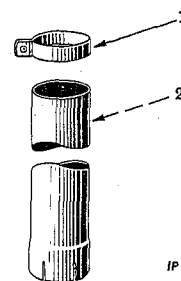
REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	361 722 R91	CAP, air stack (not used with air pre-cleaner) (not used with "Heavy Hood")
2		BODY, air cleaner (order 309 425 R91)
3	279 029 R91	CLAMP, turbo-charger air inlet pipe (2)
4	306 945 R1	PIPE, turbo-charger air inlet
5	276 216 R91	ROD, side (P-16067) (2)
6	276 217 R1	GASKET, oil cup (P-16179)
7	276 218 R1	CLIP, spring (P-16178) (2)
8	276 214 R91	SCREEN w/two CLIP, 276 218 R1, housed (P-16175)
9	276 219 R91	BAFFLE (P-1680)
10	276 215 R91	CUP, oil (P-16176)
11	306 640 R21	BRACKET, air cleaner (front) 3/8 x 1-1/8" hex-hd. cap SCREW 3/8" lock WASHER
12	306 654 R11	BRACKET, air cleaner (rear)
	309 425 R91	CLEANER ASSEMBLY, air (Composed of - 1 BAFFLE 276 219 R91 1 CUP 276 215 R91 1 DECALCOMANIA 1 GASKET 1 011 516 R1 2 ROD 276 216 R91 1 SCREEN 276 214 R91) 3/8" NUT (4) 3/8 x 7/8" hex-hd cap SCREW (4) 3/8" lock WASHER (4)

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FUEL SYSTEM

AIR CLEANER PIPE EXTENSION



IP A-41036

REF. NO.	I. H. PART NUMBER	DESCRIPTION
(X) - KEY TO UNITS -		
A -	275 292 R91	ATTACHMENT, air pipe extension (not used on units equipped with Heavy Hood Attachment) (See NOTES 1 and 3)
B -	320 447 R91	ATTACHMENT, air pipe extension (used on units equipped with Heavy Hood Attachments) (See NOTES 1 and 3)
(X) - Letters of these units correspond with those shown following the description of the parts in the list below and identifies the unit for which the part is used. Items without letters after the description indicates the part is used for all units.		
1	31 790 DA	CLAMP, air cleaner pipe extension (Unit A) 3/8" NUT 3/8 x 1-3/4" hex-hd cap SCREW 3/8" lock WASHER
1	48 155 D	CLAMP, air cleaner pipe extension (Unit B) 5/16" NUT 5/16 x 2-1/4" hex-hd cap SCREW 5/16" lock WASHER
2	275 293 R1	PIPE, air cleaner extension (Unit A)
2	320 448 R1	PIPE, air cleaner extension (Unit B)

NOTE 1 - Factory Application - Order on Machine Order Form.
NOTE 3 - Field Application - Order through Regular Service Parts Channels.

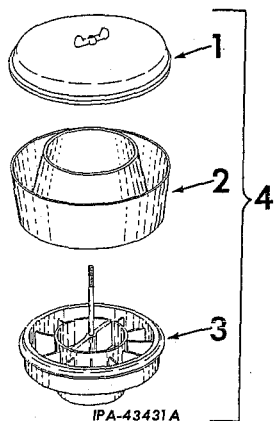
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FUEL SYSTEM

AIR PRE-CLEANER



FUEL SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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AIR PRE-CLEANER - CONTINUED

(X) - KEY TO UNITS -

- A - 275 774 R91 ATTACHMENT, pre-cleaner (collector type)
(not used on units equipped with Heavy Hood
Attachment) (See NOTES 1 and 3)
- B - 320 446 R91 ATTACHMENT, pre-cleaner (collector type)
(used on units equipped with Heavy Hood
Attachment) (See NOTES 1 and 3)

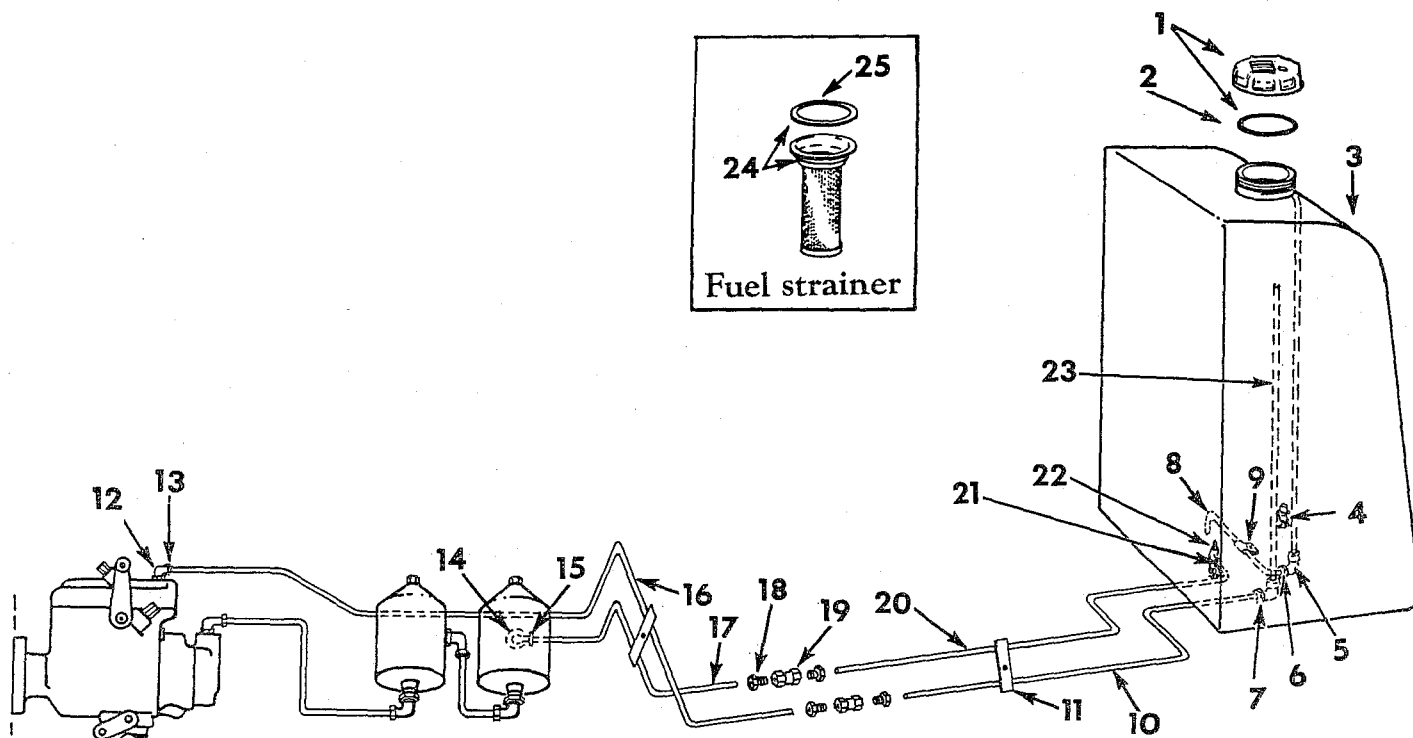
(X) - Letters of these units correspond with those shown following the description of the parts in the list below and identifies the unit for which the part is used. Items without letters after the description indicates the part is used for all units.

- | | | |
|---|-------------|--|
| 1 | 365 412 R91 | COVER (P-20648) |
| 2 | 365 413 R1 | BODY (P-20227 |
| 3 | | SLEEVE (order 365 262 R91) (Unit A) |
| 3 | | SLEEVE (order 321 190 R91) (Unit B) |
| 4 | 321 190 R91 | PRE-CLEANER (collector type) (H-237)
(Unit B) |
| 4 | 365 262 R91 | PRE-CLEANER (collector type) (H-236)
(Unit A) |

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

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

FUEL TANK, PIPING AND FUEL STRAINER



IPA-60073



FUEL SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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FUEL TANK, PIPING AND FUEL STRAINER - CONTINUED

1	305 798 R11	CAP w/sealing RING, 305 799 R1, filler
2	305 799 R1	RING, sealing
3	318 737 R91	TANK w/filler CAP, 305 798 R11 (together with the following parts will work for TANK, 275 163 R91
	1	ELBOW 319 884 R1
	1	NUT 278 953 R91
	1	TUBE 318 729 R1
	1	TUBE 318 734 R1
	1	TUBE 318 735 R1
	1	VALVE 31 729 D)
		1/2 x 1-1/4" hex-hd cap SCREW (6)
		1/2" lock WASHER (6)
4	9 982 T	VALVE, fuel tank drain TD-92 501 to 4788
4	31 729 D	VALVE, fuel tank drain TD-92 4789 up
5	67 869 D	ELBOW, pipe fuel tank over flow tube
6	369 987 R1	NUT (nylon) fuel tank over flow tube
7	278 953 R91	NUT, nylon fuel return (in stand pipe elbow)
8	306 857 R1	TUBE, fuel tank overflow (will work for 275 168 R1) TD-92 501 to 4788
8	318 729 R1	TUBE, fuel tank overflow TD-92 4789 up
9	61 387 D	CLIP, fuel tank overflow tube
10	311 353 R1	TUBE, rear fuel return (together with CONNECTOR, 55 999 D, two NUT, 278 953 R91 and TUBE, 311 352 R1, will work for 306 923 R91) TD-92 501 to 4788
10	318 734 R1	TUBE, rear fuel return TD-92 4789 up
11	42 385 D	CLAMP, fuel pipe (4) 3/8 x 1-3/4" hex-hd. cap SCREW (2) 3/8" NUT (2) 3/8" lock WASHER (2)
12	37 167 D	ELBOW, 1/8" (hi-duty) fuel return tube (in pump)
13	278 953 R91	NUT (nylon) return tube (pump end)
14	50 607 D	ELBOW, fuel supply tube (1/4NPT x 90")
15	278 953 R91	NUT (nylon) fuel supply tube
16	311 352 R1	TUBE, front fuel return (together with CONNECTOR, 55 999 D, two NUT, 278 953 R91 and TUBE, 311 353 R1, will work for 306 923 R91)
17	311 350 R1	TUBE, front fuel supply (together with CONNECTOR, 55 999 D, two NUT, 278 953 R91 and TUBE, 311 351 R1, will work for 306 922 R1)
18	278 953 R91	NUT (nylon) fuel supply and fuel return tube connector (4)
19	55 999 D	CONNECTOR, fuel supply and fuel return tubes (2)
20	311 351 R1	TUBE, rear fuel supply (together with CONNECTOR, 55 999 D, two NUT, 278 953 R91 and TUBE, 311 350 R1, will work for 306 922 R1) TD-92 501 to 4788
20	318 735 R1	TUBE, rear fuel supply TD-92 4789 up
21	278 953 R91	NUT (nylon) fuel supply (valve end)

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FUEL SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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FUEL TANK, PIPING AND FUEL STRAINER - CONTINUED

22	307 881 R91	VALVE, fuel shut off
23	304 229 R91	PIPE w/ELBOW, fuel return stand TD-92 501 to 4788
24	266 337 R91	ATTACHMENT, full strainer (consists of STRAINER and GASKET, 303 962 R1 (See NOTES 1 and 3)
25	303 962 R1	GASKET, fuel strainer
	275 159 R11	BRACKET, fuel tank support (2)
	116 524	BUSHING, 1/2(NPT) reducing (used with fuel tank drain VALVE, 9982T) TD-92 501 to 4788
	319 884 R1	ELBOW, fuel return stand pipe TD-92 4789 up

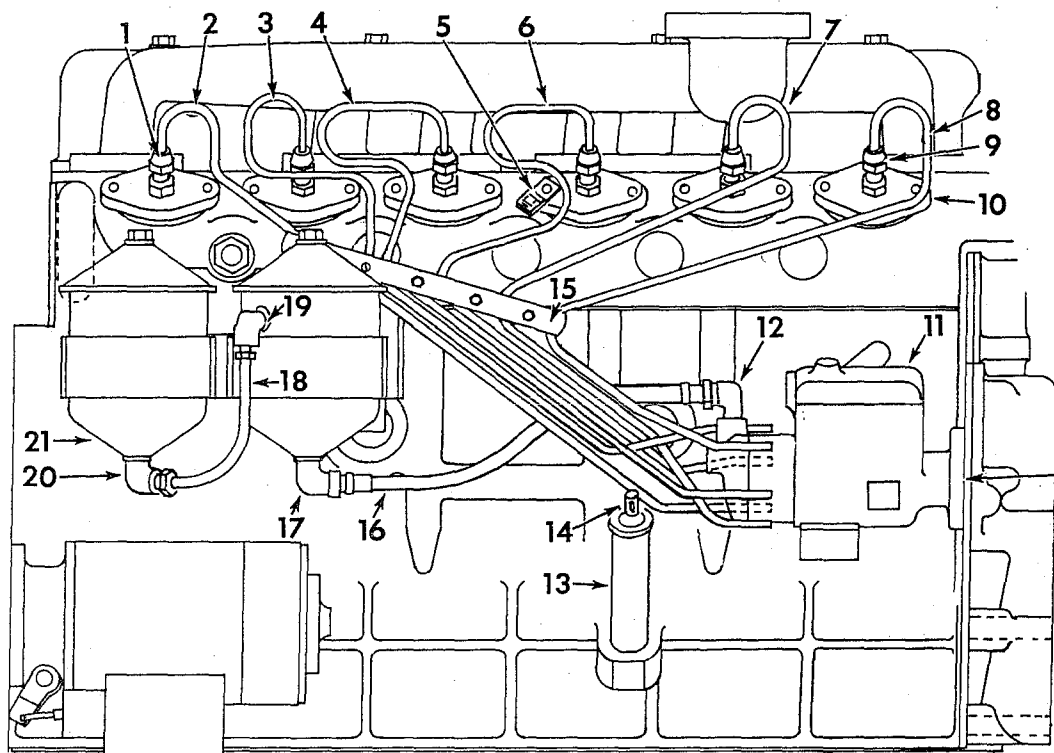
NOTE 1 - Factory Application - Order on Machine Order Form.
NOTE 3 - Field Application - Order through Regular Service Parts Channels.

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FUEL SYSTEM

FUEL INJECTION PUMP DRIVE AND INJECTION PIPES



IPB-10363 A

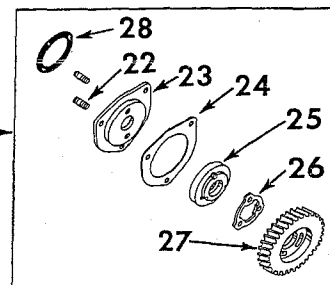
REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	250 617 R1	NUT, injection pipe (nozzle end) (6)
2	278 707 R11	PIPE, injection (cylinder No. 6)
3	278 706 R11	PIPE, injection (cylinder No. 5)
4	278 705 R11	PIPE, injection (cylinder No. 4)
5	42 915 D	BLOCK, junction (refer to "Electric Starting")
6	278 704 R11	PIPE, injection (cylinder No. 3)
7	278 703 R11	PIPE, injection (cylinder No. 2)
8	278 702 R11	PIPE, injection (cylinder No. 1)
9	279 265 R1	FITTING, nozzle (used with NOZZLE, 279 263 R91) (also listed and illustrated with "Injection Nozzle") (6)
9	278 321 R1	FITTING, nozzle (used with NOZZLE, 310 388 R91) (also listed and illustrated with "Injection Nozzle") (6)
10	279 263 R91	NOZZLE ASSEMBLY, injection (order six NOZZLE, 310 388 R91) (for components see list of parts under details of "Injection Nozzle") (6)
10	310 388 R91	NOZZLE ASSEMBLY, injection (will work for NOZZLE, 279 263 R91 when six NOZZLES 310 388 R91 are furnished) (for components see list of parts under details of "Injection Nozzle") (6)
11		PUMP ASSEMBLY, injection (for components are list of parts under details of "Injection Pump")
12	118 755	ELBOW, 3/8 x 90° flared tube (injection pump inlet)
13	368 985 R1	TUBE, oil filler (also listed and illustrated with "Crankcase and Related Parts")

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FUEL SYSTEM

FUEL INJECTION PUMP DRIVE AND INJECTION PIPES - CONTINUED



REF. NO.	I. H. PART NUMBER	DESCRIPTION
14	368 986 R91	GAUGE, oil level (also listed and illustrated with "Crankcase and Related Parts")
15	263 178 R1	CLAMP, injection pipe (drilled)
15	264 718 R1	CLAMP, injection pipe (tapped)
15	263 179 R1	PAD, injection pipe clamp (2) 1/4NF x 1-1/4" hex-hd. cap SCREW 1/4NF x 1-1/8" hex-hd. cap SCREW (3) 1/4" internal-tooth lock WASHER (5)
16	275 946 R91	HOSE, final fuel filter to injection pump
17	137 538	ELBOW, 1/4" x 90° (final fuel filter outlet)
18	278 335 R11	PIPE, auxiliary filter to final fuel filter
19	22 510 D	ELBOW, final fuel filter inlet
20	65 834 D	ELBOW, auxiliary fuel filter outlet
21	278 062 R91	FILTER ASSEMBLY, fuel (for components see list of parts under details of "Primary and Final Fuel Filters") (2)
22	303 463 R1	STUD, Roosa pump adapter (2)
23	303 462 R11	ADAPTER w/two STUD, 303 463 R1, Roosa pump 3/8 x 7/8" hex-hd. cap SCREW (3) 3/8" lock WASHER (3)
24	278 347 R1	GASKET, injection pump adapter
25	278 316 R1	HUB, injection pump gear 5/16 x 1-1/8" hex-hd. mach. SCREW w/external-tooth lock WASHER (3)

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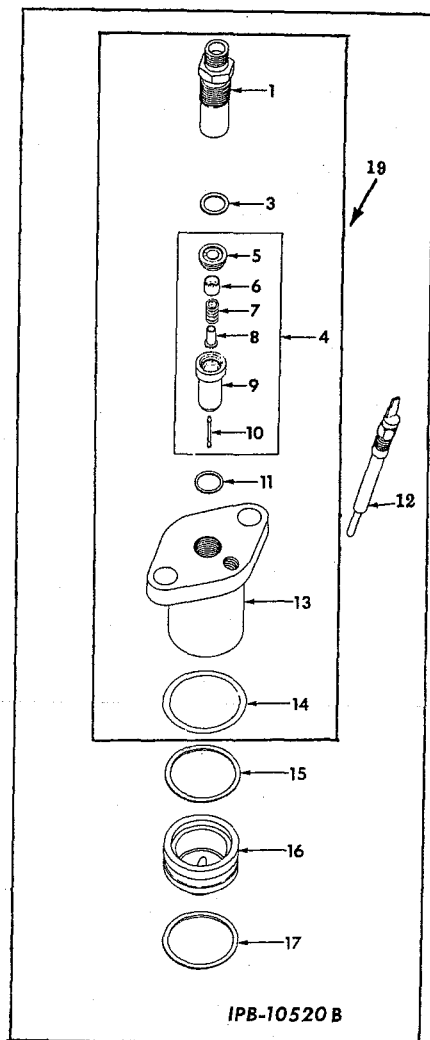
FUEL SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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FUEL INJECTION PUMP DRIVE AND INJECTION PIPES - CONTINUED

26	278 317 R1	WASHER, injection pump gear
27	278 315 R1	GEAR, injection pump 9/16NF jam NUT 9/16" lock WASHER
28	252 728 R1	"O" RING, 1-3/16 x 1-7/16 x 1/8" (pump adapter)
	278 318 R1	BRACKET, fuel filter 7/16 x 1" hex-hd cap SCREW (3) 7/16" lock WASHER (3)

INJECTION NOZZLE, PRECOMBUSTION CHAMBER AND GLOW PLUG.



Nozzle Assembly, 279 263 R91



FUEL SYSTEM

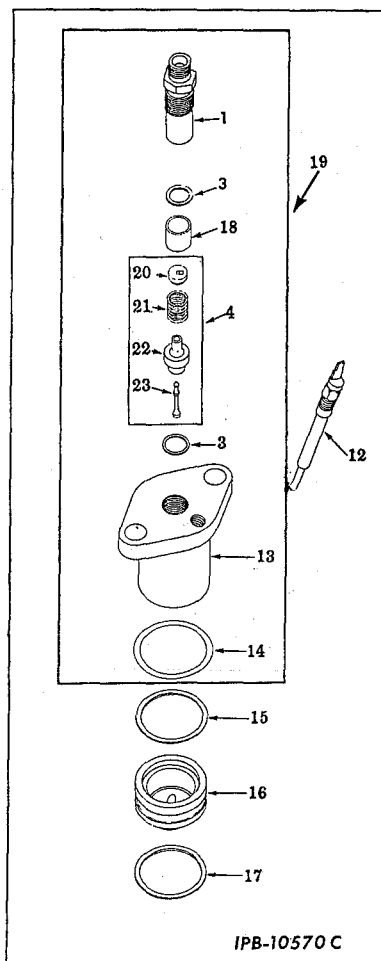
REF. NO.	I. H. PART NUMBER	DESCRIPTION
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FUEL INJECTION PUMP DRIVE AND INJECTION PIPES - CONTINUED

304 313 R1	BRACKET, junction block
306 654 R11	BRACKET, air cleaner rear (See NOTE)
265 126 R91	CLIP, pipe
61 921 D	SEAL, injection pump torque screw
250 610 R2	SLEEVE, injection pipe (6)

NOTE - Also listed and illustrated under "Air Cleaner and Connections" in Fuel System Section.

INJECTION NOZZLE, PRECOMBUSTION CHAMBER AND GLOW PLUG - CONTINUED



Nozzle Assembly, 332495R91



FUEL SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
INJECTION NOZZLE, PRECOMBUSTION CHAMBER AND GLOW PLUG - CONTINUED		
1	279 265 R1	FITTING, nozzle (used with NOZZLE, 279 263 R91) (6)
1	278 321 R1	FITTING, nozzle (used with NOZZLE, 332 495 R91) (6)
3	308 011 R1	GASKET, nozzle valve (used with NOZZLE, 279 263 R91) (12)
3	279 274 R1	GASKET, nozzle valve (used with NOZZLE, 332 495 R91) (18)
4	303 461 R91	VALVE ASSEMBLY, nozzle (used with NOZZLE, 279 263 R91) (6)
4	332 496 R91	VALVE ASSEMBLY, nozzle (used with NOZZLE, 332 495 R91) (6)
5	309 006 R1	CAP, nozzle body (used with NOZZLE, 279 263 R91) (6)
6		HANGER, spring (order 303 461 R91) (used with NOZZLE, 279 263 R91)
7	309 007 R1	SPRING, nozzle (.4440 - .4459") (used with NOZZLE, 279 263 R91)
8	309 008 R1	SPACER (.020 - .024") (used with NOZZLE, 279 263 R91)
8	309 009 R1	SPACER (.026 - .030") (used with NOZZLE, 279 263 R91)
8	309 010 R1	SPACER (.032 - .036") (used with NOZZLE, 279 263 R91)
8	309 011 R1	SPACER (.038 - .042") (used with NOZZLE, 279 263 R91)
9		BODY, nozzle (order 303 461 R91) (used with NOZZLE, 279 263 R91)
10		PINTLE (order 303 461 R91) (used with NOZZLE, 279 263 R91)
11	272 761 R1	GASKET, nozzle valve (used with NOZZLE, 279 263 R91) (6)
12	304 131 R2	PLUG, glow (6)
13	279 264 R2	BODY, nozzle (used with NOZZLE, 279 263 R91) (6)
13	310 389 R1	BODY, nozzle (used with NOZZLE, 332 495 R91) (6)
14	251 044 R2	SEAL, nozzle body dust (6)
15	260 879 R4	GASKET, nozzle body (6)
16	278 275 R3	CHAMBER, precombustion (6)
17	260 879 R4	GASKET, precombustion chamber (6)
18	310 402 R1	SLEEVE, nozzle valve (used with NOZZLE, 332 495 R91) (6)
19	279 263 R91	NOZZLE ASSEMBLY, injection (order six NOZZLE, 332 495 R91) (*) (Composed of - 1 BODY 279 264 R2 1 FITTING 279 265 R1 1 GASKET 272 761 R1 2 GASKET 308 011 R1 1 SEAL 251 044 R2 1 VALVE 303 461 R91) 3/8 x 2-3/4" hex-hd cap SCREW (12)



FUEL SYSTEM

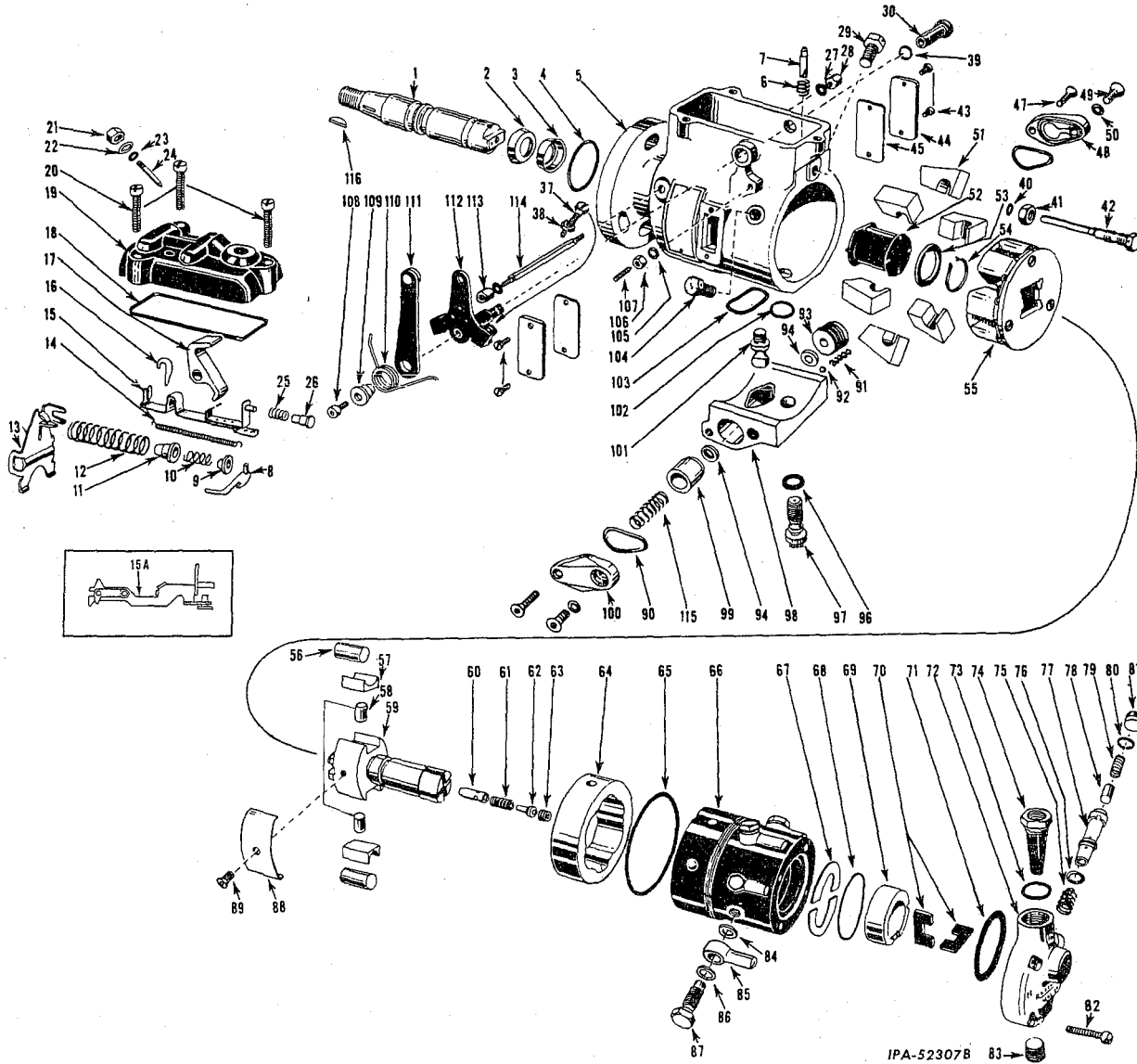
REF. NO.	I. H. PART NUMBER	DESCRIPTION
INJECTION NOZZLE, PRECOMBUSTION CHAMBER AND GLOW PLUG - CONTINUED		
19	332 495 R91	NOZZLE ASSEMBLY, injection (will work for NOZZLE, 310 388 R91 or NOZZLE, 279 263 R91) (*) (6) (Composed of - 1 BODY 310 389 R1 1 FITTING 278 321 R1 3 GASKET 279 274 R1 1 SEAL 251 044 R2 1 SLEEVE 310 402 R1 1 VALVE 332 496 R91) 3/8 x 2-3/4" hex-hd cap SCREW (12)
20	310 394 R1	SEAT, nozzle spring (.012" thick) (used with NOZZLE, 332 495 R91) (6)
20	310 395 R1	SEAT, nozzle spring (.104" thick) (used with NOZZLE, 332 495 R91) (6)
20	310 396 R1	SEAT, nozzle spring (.106" thick) (used with NOZZLE, 332 495 R91) (6)
20	310 397 R1	SEAT, nozzle spring (.108" thick) (used with NOZZLE, 332 495 R91) (6)
20	310 398 R1	SEAT, nozzle spring (.110" thick) (used with NOZZLE, 332 495 R91) (6)
20	310 399 R1	SEAT, nozzle spring (.112" thick) (used with NOZZLE, 332 495 R91) (6)
20	310 400 R1	SEAT, nozzle spring (.114" thick) (used with NOZZLE, 332 495 R91) (6)
20	310 401 R1	SEAT, nozzle spring (.116" thick) (used with NOZZLE, 332 495 R91) (6)
21	310 393 R1	SPRING, nozzle valve (used with NOZZLE, 332 495 R91) (6)
22		SEAT, nozzle valve (order 332 496 R91) (used with NOZZLE, 332 495 R91)
23		VALVE, nozzle (order 332 496 R91) (used with NOZZLE, 332 495 R91)

(*) - When replacing NOZZLE 279 263 R91 - Order six 332 495 R91. Do not intermix NOZZLES.



FUEL SYSTEM

FUEL INJECTION PUMPS, 306 653 R9I AND 307 813 R9I
(Roosa-Master, Hartford Machine Screw Co.)



REF. NO.	I. H. PART NUMBER	DESCRIPTION
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(X) - KEY TO UNITS -

A -	306 653 R9I	PUMP ASSEMBLY, injection (1700 RPM) (w/load advance and delivery valve) (not used on equipment Combination TD-9-426-0) (DBGFC-631-4AE) (order 321 202 R9I)
B -	307 813 R9I	PUMP ASSEMBLY, injection (1800 RPM) (w/load advance and delivery valve) (used only on equipment Combination TD-9-426-0) (DBGFC-631-3AE) (order 321 201 R9I)

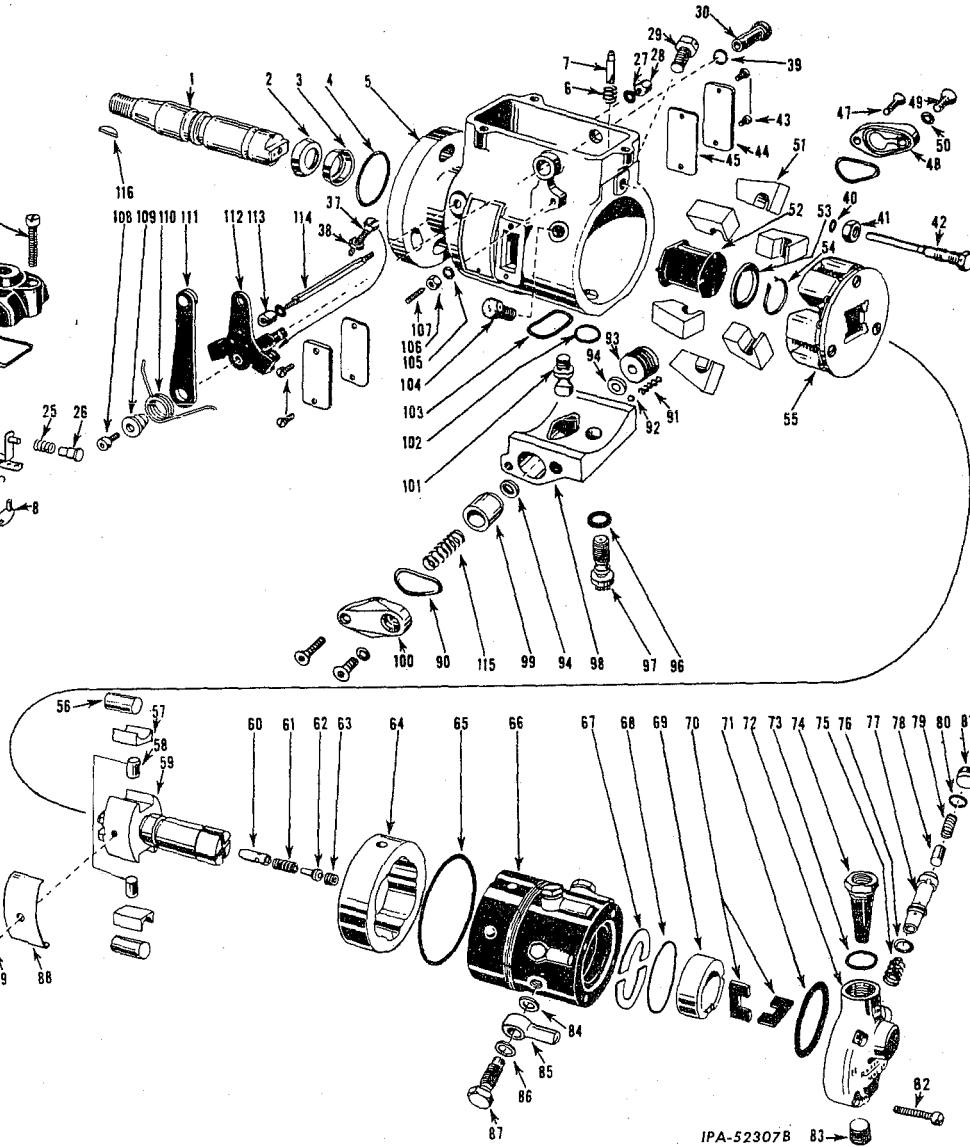
(X) - Letters of these units correspond with those shown following
the description of the parts in the list below and identifies
the unit for which the part is used. Items without letters
after the description indicates the part is used for all units.

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FUEL SYSTEM

FUEL INJECTION PUMPS, 306 653 R9I AND 307 813 R9I
(Roosa-Master, Hartford Machine Screw Co.) - Continued



REF. NO.	I. H. PART NUMBER	DESCRIPTION
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1	304 715 R1	SHAFT, drive (10213)
2	313 288 R1	OIL SEAL, drive shaft (10453) (will work for 367 977 R1)
3	313 288 R1	OIL SEAL, drive shaft (10453) (will work for 367 977 R1)
4	304 720 R1	OIL SEAL, pilot tube (10519)
5	304 714 R9I	HOUSING w/PILOT (10136)
6	304 746 R1	SPRING, fuel metering valve (11604)
7	313 673 R1	VALVE, fuel metering (11562) (will work for 304 747 R1)

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FUEL SYSTEM

REF. NO.	I.H. PART NUMBER	DESCRIPTION
FUEL INJECTION PUMPS, 306 653 R9I AND 307 813 R9I (Roosa-Master, Hartford Machine Screw Co.) - Continued		
8	321 315 R1	ARM, fuel metering valve (14611) (will work for 368 340 R1)
9	368 015 R1	RETAINER, governor idling spring (12210)
10	304 810 R1	SPRING, governor idling (11966)
11	367 998 R1	GUIDE, governor idling spring (11969)
12	304 792 R1	SPRING, governor control (11998)
13	321 367 R1	ARM, governor (14482) (together with SLEEVE, 321 369 R1 will work for 313 243 R1 and 367 996 R1)
14	367 995 R1	SPRING, governor linkage (11919)
15		HOOK, governor linkage (order 313 241 R9I)
15A	313 241 R9I	HOOK, governor linkage (11907) (will work for 367 994 R9I)
16	368 023 R1	CAM, fuel shut-off shaft stop (12249)
17	304 794 R1	LEVER, throttle shaft (12221)
18	368 012 R1	GASKET, governor control cover (12054)
19	304 744 R1	COVER, governor control (12153)
20	368 011 R1	SCREW, governor control cover hold down (12200) (3)
21	368 009 R1	NUT, idle adjusting screw lock (cover) (12174)
22	304 728 R1	WASHER, idle adjusting screw cover (12337)
23	304 729 R1	SEAL, idle adjusting screw oil (cover) (13550)
24	304 788 R1	SCREW, idle adjusting (cover) (12334)
25	368 019 R1	SPRING, governor linkage hook action damper sleeve (12315)
26	368 020 R1	SLEEVE, governor linkage hook action damper (12314)
27	368 017 R1	SEAL, governor arm pivot shaft retaining nut (11588) (2)
28	368 018 R1	NUT, governor arm pivot shaft retaining (12288) (2)
29	368 810 R1	SCREW, hydraulic head locking (11331) (2)
30	306 954 R1	SHAFT, fuel shut-off (12235)
37	304 789 R1	SCREW, throttle high idle adjustment (12169)
38	307 818 R1	NUT, throttle high idle adjusting screw lock (12175)
39	352 219 R1	"O" RING, 1/4 x 3/8 x 1/16" (throttle shaft torque screw seal nut) (2)
40	352 219 R1	"O" RING, 1/4 x 3/8 x 1/16" (governor idling spring guide stud seal)
41	304 742 R1	NUT, governor idling spring guide stud lock (12316)
42	304 793 R1	STUD, governor idling spring guide (12205)
43		SCREW, No. 8 x 5/16" slt-ov-hd. mach. (used with timing line cover) (4)
44	304 740 R1	COVER, timing line (10569) (2)
45	367 979 R1	GASKET, timing line cover (10574) (2)
47		SCREW, No. 10 x 5/8" hex-soc-hd., cap (automatic advance housing end plate retaining screws) (2)
48		PLATE, advance end (power side) (order PACKAGE, 372 616 R9I)



FUEL SYSTEM

REF. NO.	I.H. PART NUMBER	DESCRIPTION
FUEL INJECTION PUMPS, 306 653 R9I AND 307 813 R9I (Roosa-Master, Hartford Machine Screw Co.) - Continued		
49	368 045 R1	SCREW, automatic advance ball check stop (12624) (2)
50	352 219 R1	"O" RING, 1/4 x 3/8 x 1/16" automatic advance ball check stop screw) (2)
51	368 343 R1	WEIGHT, governor (11649) (6)
52	321 369 R1	SLEEVE, governor thrust (14483) (together with ARM, 321 367 R1 will work for 368 341 R1)
53	368 342 R1	WASHER, governor thrust (11620)
54	368 345 R1	RING, governor weight retainer retaining (677) (12285)
55	324 369 R9I	RETAINER, governor weight (14652)
56	368 805 R1	ROLLER, plunger actuating cam (11141) (2)
57	368 804 R1	SHOE, plunger actuating cam (11136) (2)
58		PLUNGER, distributor rotor (order 304 719 R9I) (for injection pump below serial No. 34000) (2)
58	317 895 R1	PLUNGER, rotor (11067) (for rotors marked with letter A) (for injection pump above serial No. 34000) (2)
58	317 896 R1	PLUNGER, rotor (11068) (for rotors marked with letter B) (for injection pump above serial No. 34000) (2)
58	317 897 R1	PLUNGER, rotor (11069) (for rotors marked with letter C) (for injection pump above serial No. 34000) (2)
58	317 898 R1	PLUNGER, rotor (11070) (for rotors marked with letter D) (for injection pump above serial No. 34000) (2)
59		Not Furnished Separately
60	304 804 R1	VALVE, distributor rotor delivery (13825)
61	304 807 R1	SPRING, distributor rotor delivery valve. (13839)
62	317 900 R1	STOP, distributor rotor delivery valve (13838)
63	317 901 R1	SCREW, distributor rotor delivery valve (13837)
64	304 796 R1	RING, cam (10383)
65	368 337 R1	SEAL, hydraulic head (11304)
66	304 719 R9I	HEAD and ROTOR ASSEMBLY, hydraulic (14223) (Composed of - 2 PLUNGER X 2 RETAINER 304 800 R1 1 RING 304 801 R1 1 SCREW 317 901 R1 1 SPRING 304 807 R1 1 STOP 317 900 R1 1 VALVE 304 804 R1)
67	304 800 R1	RETAINER, distributor rotor (11212) (2)
68	304 801 R1	RING, distributor rotor retainer (11208)
69	304 745 R1	LINER, transfer pump (11315)
70	367 981 R1	BLADE, transfer pump (11318) (2)
71	367 982 R1	"O" RING, 1.312 x 1.812 x .150" thick (transfer pump) (11329)
72	367 985 R9I	PLATE, injection pump end (11481)
73	368 030 R1	"O" RING, .555 x .701 x .073" thick (cap and filter fuel inlet strainer) (12406)
§ - Not Furnished Separately. (X) - Order Ref. No. 58 as required.		



FUEL SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
FUEL INJECTION PUMPS, 306 653 R91 AND 307 813 R91 (Roosa-Master, Hartford Machine Screw Co.) - Continued		
74	368 029 R91	STRAINER, cap and filter fuel inlet (13025)
75	367 986 R1	SPRING, fuel pressure regulating valve plunger retaining (11486)
76	359 158 R1	"O" RING, 5/16 x 7/16 x 1/16" (regulating valve plunger sleeve seal) (11507)
77	304 795 R1	SLEEVE, fuel pressure regulating valve plunger (11501)
78	367 988 R1	PLUNGER, fuel pressure regulating valve (11508)
79	367 989 R1	SPRING, fuel pressure regulating valve compression (11512)
80	359 158 R1	"O" RING, 5/16 x 7/16 x 1/16" (regulating valve plunger sleeve seal)
81	367 990 R1	PLUG, end plate sleeve retaining (11516)
81	305 139 R1	PLUG, end plate sleeve retaining (.020") (11517)
81	367 991 R1	PLUG, end plate sleeve retaining (.030") (11518)
81	305 140 R1	PLUG, end plate sleeve retaining (.040") (11519)
81	367 992 R1	PLUG, end plate sleeve retaining (.050") (11520)
81	305 141 R1	PLUG, end plate sleeve retaining (.060") (11521)
81	305 142 R1	PLUG, end plate sleeve retaining (.070") (11522)
81	317 957 R1	PLUG, end plate sleeve retaining (.080") (11523)
81	305 144 R1	PLUG, end plate sleeve retaining (.090") (11524)
82	304 790 R1	SCREW, injection pump end plate (11532) (4)
83	143 997	PLUG, injection pump end plate pipe
84	367 984 R1	WASHER, fuel line connector (11354) (6)
85		CONNECTOR, injection pipe (furnished as part of injection pipe)
86	367 984 R1	WASHER, fuel line connector (11354) (6)
87	367 983 R1	SCREW, fuel line connector (11346) (6)
88	304 797 R1	SPRING, plunger limiting leaf (11196)
89	368 806 R1	SCREW, plunger limiting leaf spring adjusting (11175)
90	368 042 R1	SEAL, automatic advance end plate oil (10320) (2)
91	368 041 R1	SPRING, ball check (12629)
92	368 040 R1	CHECK, ball (12623)
93	305 129 R1	PISTON, automatic advance power (12746)
94	368 035 R1	WASHER, automatic advance slide (12622) (2)
96	359 158 R1	SEAL, advance body clamp screw (together with SCREW, 313 285 R1, will work for 304 722 R1)
97	313 285 R1	SCREW, advance body clamp (12547) (together with SEAL, 359 158 R1, will work for 368 033 R1)
98	368 032 R1	HOUSING, automatic advance (12542)
99	368 036 R1	PISTON, load advance spring (12669)
100		PLATE, advance end (spring side) (order PACKAGE, 372 616 R91)
101	368 031 R1	SCREW, cam advance (12637)
102	355 966 R1	SEAL, hydraulic head locating screw (13494)
103	368 046 R1	"O" RING, cam hole (10563)
104	368 810 R1	SCREW, hydraulic head locking (11331)

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FUEL SYSTEM

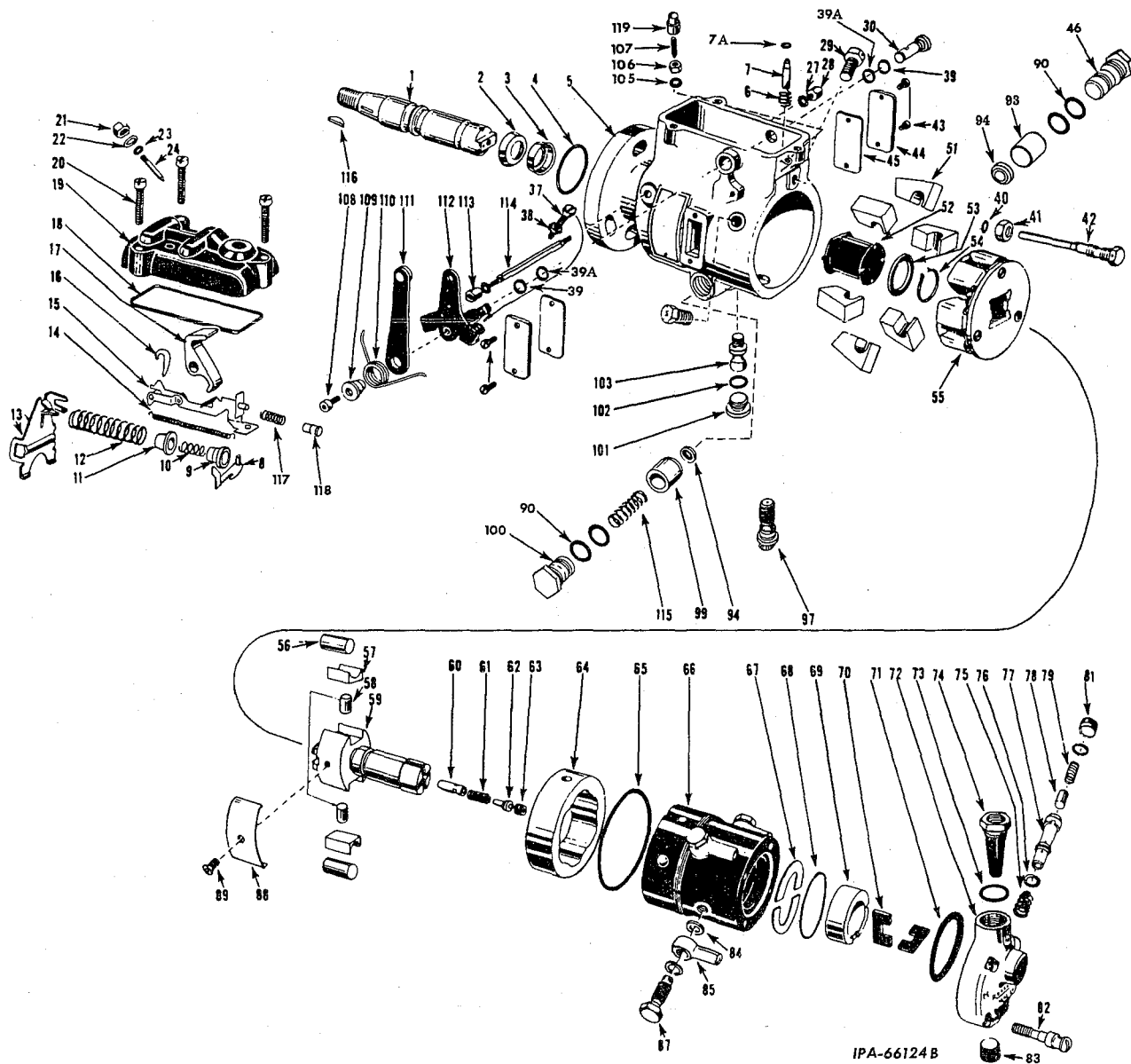
REF. NO.	I. H. PART NUMBER	DESCRIPTION
FUEL INJECTION PUMPS, 306 653 R91 AND 307 813 R91 (Roosa-Master, Hartford Machine Screw Co.) - Continued		
105	352 219 R1	"O" RING, 1/4 x 3/8 x 1/16" (metering valve controlling torque screw seal nut)
106	368 814 R1	NUT, metering valve controlling torque screw lock (11593)
107	368 813 R1	SCREW, metering valve controlling torque (11587)
108		SCREW, No. 10 x 5/8" hex-soc-hd. cap (throttle arm spring retainer screw)
109	304 743 R1	RETAINER, throttle arm spring (13010)
110	304 739 R1	SPRING, throttle arm (13003)
111	306 952 R91	ARM, throttle (12940)
112	304 749 R91	SHAFT, throttle (12018)
113	368 018 R1	NUT, governor arm pivot shaft retaining (12288)
114	368 016 R1	SHAFT, governor arm pivot (12214)
115	304 799 R1	SPRING, automatic advance (12689)
116		KEY, 5/32 x 5/8" (Woodruff No. 6) (drive shaft)
	304 716 R1	BUTTON, drive shaft thrust (10538)
	313 287 R1	CAP, torque screw (11611)
		NUT, 3/8" (used to mount injection pump) (2)
	369 514 R91	PACKAGE, fuel injection pump field service (13692)
		(Consists of -
	2	GASKET 367 979 R1
	1	GASKET 368 012 R1
	6	"O" RING 352 219 R1
	3	"O" RING 359 158 R1
	1	"O" RING 367 982 R1
	1	"O" RING 368 030 R1
	1	"O" RING 368 046 R1
	2	OIL SEAL 313 288 R1
	§3	SEAL
	1	SEAL 355 966 R1
	2	SEAL 368 042 R1
	1	SEAL 368 337 R1
	13	WASHER 367 984 R1
	2	WASHER 368 017 R1
	1	WASHER 368 034 R1)
	372 616 R91	PACKAGE, advance end plate field service (13697)
		(Consists of -
	§2	PLATE
	2	SHIM 368 575 R1
	1	SHIM 372 617 R1
	2	SHIM 372 618 R1)
		SCREW, pivot shaft retainer set (order 304 719 R91)
	319 744 R1	SEAL, shut-off shaft
	319 744 R1	SEAL, throttle shaft
	304 717 R1	SPRING, drive shaft thrust button (10541)
	368 575 R1	SHIM, advance spring (12741) (2)
	372 617 R1	SHIM, advance spring (used only with PACKAGE, 372 616 R91) (12743)
	372 618 R1	SHIM, advance spring (12745) (3)
		WASHER, 3/8" lock (used to mount injection pump) (2)
	113 934 H	WASHER, flat (used to mount injection pump) (2)
	313 286 R1	WASHER, metering valve spring (11610)
	368 034 R1	WASHER, hydraulic head locating screw (order SCREW, 313 285 R1 and SEAL, 359 158 R1)
	12 736 D	WIRE, lead pump and sealing (6)
		§ - Not Furnished Separately.

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FUEL SYSTEM

FUEL INJECTION PUMPS 32I 202 R9I AND 32I 20I R9I
(Roosa-Master, Hartford Machine Screw Co.)



IPA-66124 B

REF. NO.	I. H. PART NUMBER	DESCRIPTION
It is not necessary to flow test the basic service pump if used on applications where the basic service pump is specified. The basic service pump is to be flow tested by the distributor whenever they are modified for use on other applications. If parts are added to the basic service pump comparable parts must be removed. Whenever the basic service pump is modified for a particular engine the distributor should stamp the modified Roosa-Master model number, IH pump number and modified engine RPM governed load speed in the spaces indicated on the name plate. RPM of basic service pump must be checked for applications indicated.		

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FUEL SYSTEM

FUEL INJECTION PUMPS 32I 202 R9I AND 32I 20I R9I
(Roosa-Master, Hartford Machine Screw Co.) - Continued

REF. NO.	I. H. PART NUMBER	DESCRIPTION
(X) - KEY TO UNITS		
A -	32I 202 R9I	PUMP ASSEMBLY, fuel injection (Basic Service Pump) DBGFC-631-52AE) (1700 RPM) (with load advance and delivery valve) (not used on equipment combination TD-9-426-0) (will work for 306 653 R9I) (when this basic service pump is used as a complete pump no additional parts are necessary) (This basic service pump is used for modified pump 32I 20I R9I)

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FUEL SYSTEM

REF. NO.	I.H. PART NUMBER	DESCRIPTION
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FUEL INJECTION PUMPS 321 202 R91 AND 321 201 R91
(Roosa-Master, Hartford Machine Screw Co.) - Continued

(X) - KEY TO UNITS -

B - 321 201 R91 PUMP ASSEMBLY, fuel injection (DBGFC-631-51AE) (1800 RPM) (with load advance and delivery valve) (used on equipment combination TD-9-426-0) (will work for 307 813 R91) (order basic service pump, 321 202 R91 plus Governor Control Spring, 367 999 R91)

(X) - Letters of these units correspond with those shown following the description of the parts in the list below and identifies the unit for which the part is used. Items without letters after the description indicates the part is used for all units.

1	304 715 R1	SHAFT, drive (10213)
2	313 288 R1	OIL SEAL, drive shaft (10453)
3	313 288 R1	OIL SEAL, drive shaft (10453)
4	304 720 R1	OIL SEAL, pilot tube (10519)
5	324 187 R91	HOUSING w/PILOT (together with WASHER, 313 685 and SCREW; 181 309 will work for 319 667 R91) (14846)
6	304 746 R1	SPRING, metering valve (11604)
7	313 673 R1	VALVE, metering (11562)
7A	313 286 R1	WASHER, metering valve spring (11610)
8	324 188 R91	ARM, metering valve (used with HOUSING, 324 187 R91) (14680)
8	321 315 R91	ARM, metering valve (used with HOUSING, 319 667 R91) (14611)
9	368 015 R1	RETAINER, idling spring (12210)
10	304 810 R1	SPRING, governor idling (11966)
11	367 998 R1	GUIDE, idling spring (11969)
12	313 699 R1	SPRING, governor control (11995) (Unit A)
12	367 999 R1	SPRING, governor control (11998) (Unit B)
13	321 367 R1	ARM, governor (14482)
14	367 995 R1	SPRING, governor linkage (11919)
15	313 241 R91	HOOK, governor linkage (11907)
16	368 023 R1	CAM, shut-off shaft stop (12249)
17	304 794 R1	LEVER, throttle shaft (12221)
18	368 012 R1	GASKET, control cover (12054)
19	304 744 R1	COVER, governor control (12153)
20	319 674 R1	SCREW, cover hold down (12202) (3)
21	368 009 R1	NUT, low idle adjusting screw (12174)
22	304 728 R1	WASHER, low idle adjusting screw (12337)
23	304 729 R1	SEAL, low idle adjusting screw (13550)
24	304 788 R1	SCREW, low idle adjusting (12334)
27	304 721 R1	SEAL, retaining nut (11588) (2)
28	368 018 R1	NUT, governor arm pivot shaft retaining (12288)
29	368 810 R1	SCREW, head locking (11331) (2)
30	306 954 R1	SHAFT, shut-off (12235)
37	304 789 R1	SCREW, high idle adjusting (12169)
38	307 818 R1	NUT, high idle adjusting screw lock (12175)
39	352 219 R1	"O" RING, 1/4 x 3/8 x 1/16" (12040) (2)
39A	319 744 R1	WASHER, (14408) (2)



FUEL SYSTEM

REF. NO.	I.H. PART NUMBER	DESCRIPTION
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FUEL INJECTION PUMPS 321 202 R91 AND 321 201 R91
(Roosa-Master, Hartford Machine Screw Co.) - Continued

40	352 219 R1	SEAL, guide stud (12040)
41	304 742 R1	NUT, idling spring guide stud lock (12316)
42	304 793 R1	STUD, governor idling spring guide (12205)
43		SCREW, No. 8 x 5/16" slt-ov-hd mach (used with timing line cover) (4)
44	304 740 R1	COVER, timing line (10569) (2)
45	367 979 R1	GASKET, timing line cover (10574) (2)
46	319 729 R1	PLUG, piston hole (12641)
51	368 343 R1	WEIGHT, governor (11649) (6)
52	321 369 R1	SLEEVE, governor thrust (14483)
53	368 342 R1	WASHER, governor thrust (11620)
54	368 345 R1	RING, governor weight retainer retaining (12285)
55	324 369 R91	RETAINER, governor weight (14652)
56	368 805 R1	ROLLER, plunger actuating cam (11141) (2)
57	368 804 R1	SHOE, plunger actuating cam (11136) (2)
58	317 895 R1	PLUNGER, rotor (11067) (for rotors marked with letter "A") (2)
58	317 896 R1	PLUNGER, rotor (11068) (for rotors marked with letter "B") (2)
58	317 897 R1	PLUNGER, rotor (11069) (for rotors marked with letter "C") (2)
58	317 898 R1	PLUNGER, rotor (11070) (for rotors marked with letter "D") (2)
59		Not furnished separately
60	304 804 R1	VALVE, distributor rotor delivery (13825) (standard)
60	317 899 R1	VALVE, distributor rotor delivery (13826) (oversize)
61	304 807 R1	SPRING, distributor rotor delivery valve (13839)
62	317 900 R1	STOP, distributor rotor delivery valve retaining (13838)
63	317 901 R1	SCREW, distributor rotor delivery valve retaining (13837)
64	304 796 R1	RING, cam (10383)
65	368 337 R1	SEAL, hydraulic head (11304)
66	304 719 R91	HEAD and ROTATOR ASSEMBLY, hydraulic (14223) (Composed of - (X) 2 PLUNGER 2 RETAINER 304 800 R1 1 RING 304 801 R1 1 SCREW 317 901 R1 1 SPRING 304 807 R1 1 STOP 317 900 R1 1 VALVE 304 804 R1)
67	304 800 R1	RETAINER, rotator (11212) (2)
68	304 801 R1	RING, rotator retainer (11208)
69	304 745 R1	LINER, transfer pump (11315)
70	367 981 R1	BLADE, transfer pump (11318) (2)
71	367 982 R1	"O" RING, 1.312 x 1.812 x .150" thick (transfer pump) (11329)
72	367 985 R91	PLATE, injection pump end (11481)

(X) - Order Ref. No. 58 as required.



FUEL SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
FUEL INJECTION PUMPS 32I 202 R9I AND 32I 20I R9I (Roosa-Master, Hartford Machine Screw Co.) - Continued		
73	368 030 R1	"O" RING, .555 x .701 x .073" thick (cap and filter fuel inlet strainer) (12406)
74	368 029 R9I	STRAINER, cap and filter fuel inlet (13025)
75	367 989 R1	SPRING, regulating valve compression (11512)
76	359 158 R1	"O" RING, 5/16 x 7/16 x 1/16" (regulating valve plunger sleeve seal) (11507) (2)
77	304 795 R1	SLEEVE, regulating valve plunger (11501)
78	367 988 R1	PLUNGER, regulating valve (11508)
79	367 986 R1	SPRING, regulating valve plunger retaining (11486) (Unit B)
81	367 990 R1	PLUG, end plate sleeve retaining (11516)
81	305 139 R1	PLUG, end plate sleeve retaining (.020") (11517)
81	367 991 R1	PLUG, end plate sleeve retaining (.030") (11518)
81	305 140 R1	PLUG, end plate sleeve retaining (.040") (11519)
81	367 992 R1	PLUG, end plate sleeve retaining (.050") (11520)
81	305 141 R1	PLUG, end plate sleeve retaining (.060") (11521)
81	305 142 R1	PLUG, end plate sleeve retaining (.070") (11522)
81	317 957 R1	PLUG, end plate sleeve retaining (.080") (11523)
81	305 144 R1	PLUG, end plate sleeve retaining (.090") (11524)
82	304 790 R1	SCREW, end plate (11532) (4)
83	321 076 R1	PLUG, end plate pipe (11535)
84	367 984 R1	WASHER, fuel line connector (11354) (12)
85		CONNECTOR, injection pipe (furnish as part of injection pipe)
87	367 983 R1	SCREW, fuel line connector (11346) (6)
88	304 797 R1	SPRING, plunger limiting leaf (11196)
89	368 806 R1	SCREW, leaf spring adjusting (11175)
90	319 687 R1	SEAL, advance piston hole plug (12764) (4)
93	338 980 R1	PISTON, advance power (12771)
94	368 035 R1	WASHER, advance slide (12622) (2)
97	319 679 R9I	SCREW, head locating (11365)
99	319 686 R1	PISTON, spring (12755)
100	319 684 R1	PLUG, piston hole (12640)
101	319 688 R1	PLUG, advance screw hole (12765)
102	319 689 R1	SEAL, advance screw hole plug (12766)
103	319 680 R1	SCREW, cam advance (14366)
105	352 219 R1	"O" RING, torque screw nut (1/4 x 3/8 x 1/16") (12040)
106	321 313 R1	NUT, torque screw (used with HOUSING, 324 187 R9I) (13807)



FUEL SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
FUEL INJECTION PUMPS 32I 202 R9I AND 32I 20I R9I (Roosa-Master, Hartford Machine Screw Co.) - Continued		
106	19 735 R1	NUT, torque screw (used with HOUSING, 319 667 R9I) (11593)
107	321 312 R1	SCREW, torque (used with HOUSING, 324 187 R9I) (14675)
107	368 813 R1	SCREW, torque (used with HOUSING, 319 667 R9I) (11587)
108		SCREW, No. 10 x 5/8" hex-hd cap (throttle arm)
109	304 743 R1 217 921	RETAINER, throttle arm spring (13010) SCREW, spring retainer
110	304 739 R1	SPRING, throttle arm (13003)
111	306 952 R9I	ARM, throttle (12940)
112	304 749 R9I	SHAFT, throttle (12018)
113	368 018 R1	NUT, governor arm pivot shaft retaining (12288)
114	368 016 R1	SHAFT, governor arm pivot (12214)
115	304 799 R1	SPRING, advance (12689)
116	106 750	KEY, drive shaft (10274)
117	368 019 R1	SPRING, linkage hook damper sleeve (12315)
118	368 020 R1	SLEEVE, linkage hook damper (12314)
119	313 287 R1	CAP, torque screw (11611)
	304 716 R1	BUTTON, drive shaft thrust (10538)
	313 287 R1	CAP, torque screw (11611)
	321 870 R9I	KIT, fuel injection repair (Consists of -
	1	WASHER 313 685 R1
	2	SEAL 313 288 R1
	1	SEAL 304 720 R1
	2	GASKET 367 979 R1
	1	SEAL 368 337 R1
	1	SEAL 367 982 R1
	12	WASHER 367 984 R1)
	307 818 R1	NUT, shut-off lever adjusting (12175) (2)
	181 309	SCREW, 1/4NF x 1/2" hex-hd cap (torque screw hole plug) (used with HOUSING, 324 187 R9I)
	312 593 R1	SEAL, end plate pipe plug (11537)
	372 618 R1	SHIM, advance (12745) (4)
	304 717 R1	SPRING, drive shaft thrust button (10541)
	313 685 R1	WASHER, torque screw hole plug (used with HOUSING, 324 187 R9I) (10464)
	319 676 R1	WASHER, cover hold down screw (3)
		WASHER, cover hold down screw lock (No. 10 internal tooth) (3)
	12 736 D	WIRE, lead plumb and sealing (10408) (5)



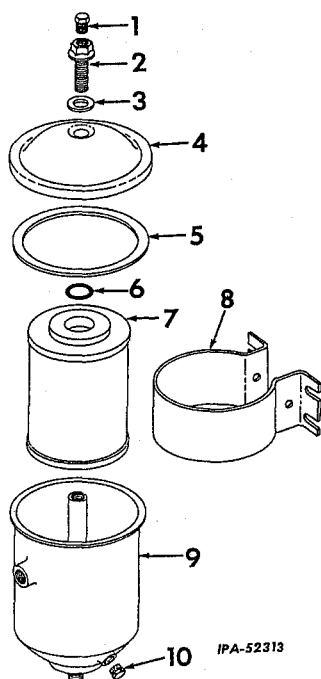
MEMORANDA



MEMORANDA



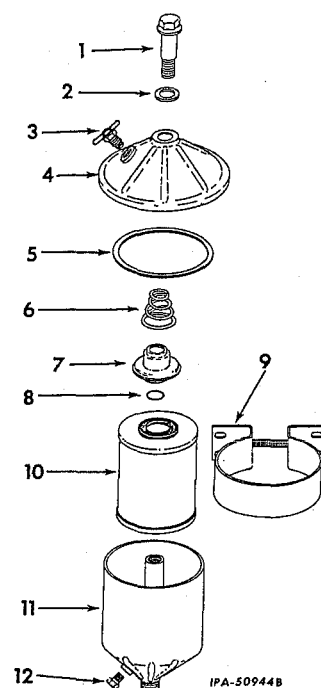
FUEL SYSTEM

PRIMARY AND FINAL FUEL FILTERS
(Fram Corporation)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	306 778 R1	PLUG, vent (104018) (2)
2	368 492 R1	SCREW, vent cap (104258) (2)
3	368 493 R1	GASKET, vent capscrew (10076) (2)
4	306 776 R91	COVER (2639) (2)
5	304 102 R1	GASKET, element cover (2)
6	306 777 R1	"O" RING, 9/16 x 3/4 x 3/32" (X22449) (2)
7	304 101 R91	PACKAGE, primary fuel filter element field service (consists of ELEMENT and GASKET, 304 102 R1) (optional with 306 353 R91)
7	304 101 R91	PACKAGE, final fuel filter element field service (consists of ELEMENT and GASKET, 304 102 R1)
7	306 353 R91	PACKAGE, primary fuel filter element field service (consists of ELEMENT and GASKET, 304 102 R1) (optional with 304 101 R91) (*)
8	306 780 R1	STRAP, bracket (111741) (2) 1/4" sq. NUT (2) 1/4 x 3" hex-hd. slt. mach. SCREW (2) 1/4" spring lock WASHER (2)
9	306 775 R91	BODY (2640) (2)
10	258 995 R1	PLUG, fuel filter drain (2)
	306 399 R91	FILTER ASSEMBLY, fuel (2638) (optional with 278 062 R91) (2) (Composed of -
		1 BODY 306 775 R91
		1 COVER 306 776 R91
		1 GASKET 368 493 R1
		1 GASKET 304 102 R1
		1 ELEMENT 304 101 R91
		1 "O" RING 306 777 R1
		1 PLUG 306 778 R1
		1 PLUG 258 995 R1
		1 STRAP 306 780 R1
		1 SCREW 368 492 R1)
		5/16" NUT (16)
		5/16 x 7/8" hex-hd. cap SCREW (16)
		5/16" lock WASHER (16)
		11/32 x 11/16" x No. 16 ga. WASHER (16)



FUEL SYSTEM

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

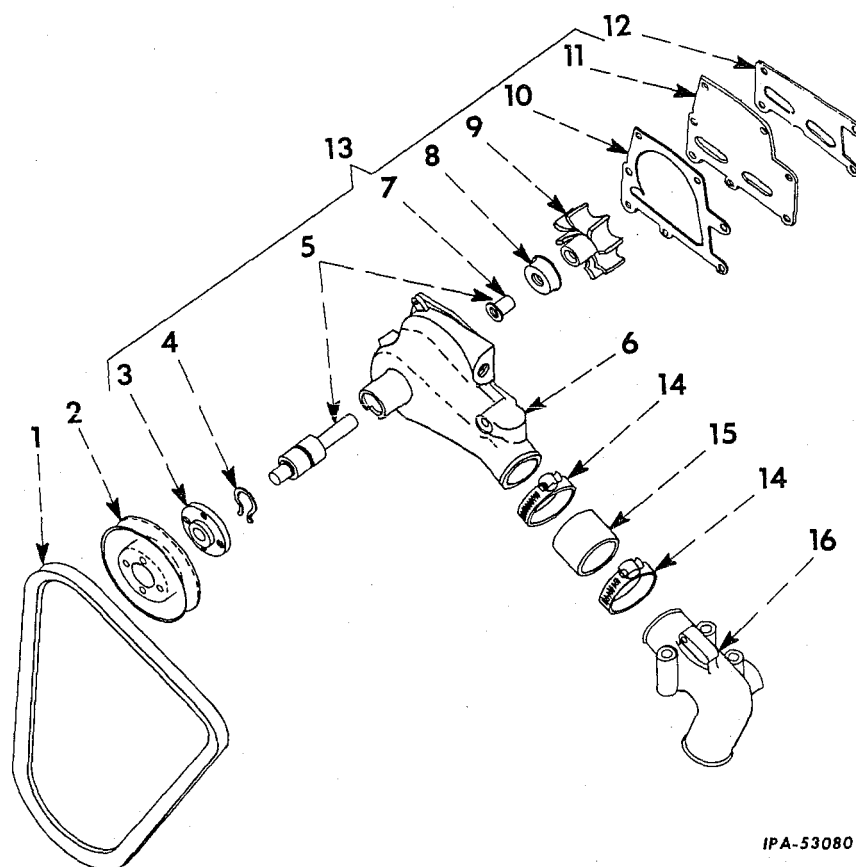
REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	321 727 R1	SCREW, retaining (37171-6) (2)
2	368 334 R1	GASKET, retaining (37172) (2)
3	114 981	VALVE, drain (will work for 313 024 R91) (2)
4	321 720 R91	COVER and BUSHING (54529) (2)
5	304 102 R1	GASKET, element cover (2)
6	321 721 R1	SPRING, retaining (33263-1) (2)
7	321 722 R91	RETAINER, gasket (6654062) (2)
8	321 723 R1	GASKET, "O" ring retainer (54537) (2)
9	304 104 R91	BRACKET (20380) (2)
10	304 101 R91	PACKAGE, primary fuel filter element field service (consists of ELEMENT and GASKET 304 102 R1) (optional with 306 353 R91)
10	304 101 R91	PACKAGE, final fuel filter element field service (consists of ELEMENT and GASKET 304 102 R1)
10	306 353 R91	PACKAGE, primary fuel filter element field service (consists of ELEMENT and GASKET 304 102 R1) (optional with 304 101 R91) (*)
11	304 100 R91	CASE (37163-15) (2)
12	258 995 R1	PLUG, fuel filter drain (7600) (2)
	278 062 R91	FILTER ASSEMBLY, fuel (64719) (optional with 306 399 R91) (2) (Composed of -
		1 BRACKET 304 104 R91
		1 CASE 304 100 R91
		1 COVER 321 720 R91
		1 ELEMENT 304 101 R91
		1 GASKET 321 723 R1
		1 GASKET 368 334 R1
		1 PLUG 258 995 R1
		1 RETAINER 321 722 R91
		1 SCREW 321 727 R1
		1 SPRING 321 721 R1
		1 VALVE 114 981)
		5/16" NUT (16)
		5/16 x 1-3/4" hex-hd cap SCREW (14)
		5/16 x 2-1/4" hex-hd cap SCREW (2)
		5/16" lock WASHER (16)
		11/32 x 11/16" x No. 16 ga WASHER (16)

(*) - For use in areas where plugging of filters is encountered.



COOLING SYSTEM

WATER PUMP AND FAN BELT



IPA-53080 A

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	306 633 R1	BELT, fan
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 R1	HUB, pulley
4	102 069 H	RING, bearing retainer
5	368 498 R91	SHAFT and BEARING w/SLINGER, 71 351 R1
6	318 118 R11	BODY w/two PLUG 103 868 and PLUG 143 162, water pump (will work for 303 394 R11)
7	71 351 R1	SLINGER, water pump
8	73 296 R92	SEAL, water pump
9	356 223 R1	IMPELLER, water pump
10	69 674 R1	GASKET, water pump plate
11	69 675 R1	PLATE, water pump 1/4 x 1/2" pan-hd. slt. mach. SCREW (3)
12	69 676 R1	GASKET, water pump

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COOLING SYSTEM

WATER PUMP AND FAN BELT - CONTINUED

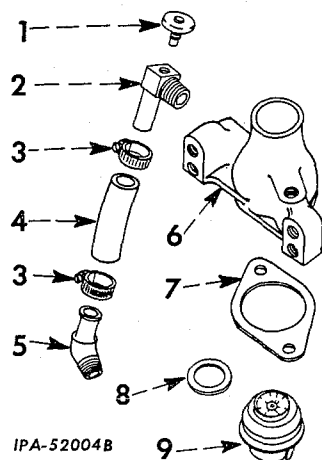
REF. NO.	I. H. PART NUMBER	DESCRIPTION
13	318 119 R91	PUMP ASSEMBLY, water (will work for 303 395 R91) (Composed of - 1 BODY 318 118 R11 1 GASKET 69 674 R1 1 HUB 368 501 R1 1 IMPELLER 356 223 R1 1 PLATE 69 675 R1 1 RING 102 069 H 1 SEAL 73 296 R92 1 SHAFT and BEARING 368 498 R91) 3/8 x 2-1/4" hex-hd. 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	306 626 R1	CONNECTOR w/BRACKET, water 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 IMPELLER 356 223 R1 1 RING 102 069 H 1 SEAL 73 296 R92 1 SHAFT and BEARING 368 498 R91)
	103 868	PLUG, 1/2NPT sq-hd pipe (2)
	143 162	PLUG, 3/8NPT sq-soc-hd pipe

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COOLING SYSTEM

THERMOSTAT, THERMOSTAT HOUSING, WATER PUMP
BY-PASS VALVE AND CONNECTIONS



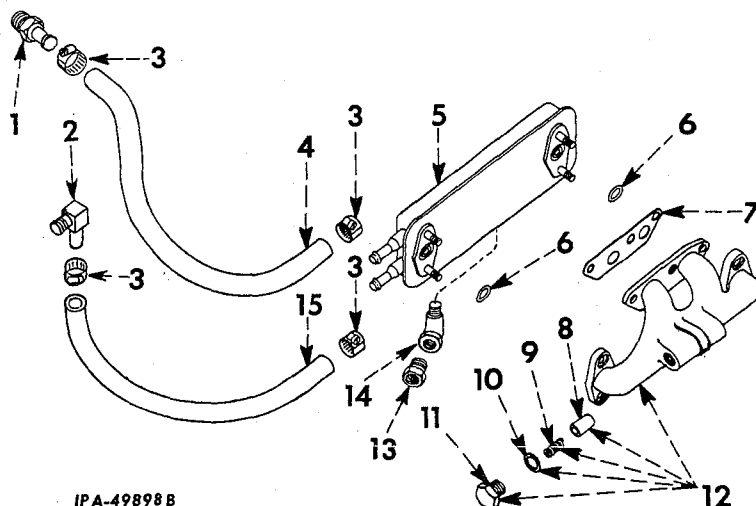
IPA-52004B

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	538 V	STEM, water pump by-pass valve
2	303 483 R1	BODY, water pump by-pass valve
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	306 627 R1	HOUSING, thermostat 7/16 x 2-3/4" hex-hd. cap SCREW (2) 7/16" lock WASHER (2)
7	278 280 R1	GASKET, thermostat housing
8	254 753 R1	SEAL, thermostat (Used with Thermostat, 261 514 R92, 261 590 R92 and 310 171 R91)
8	262 882 R1	SEAL, thermostat (Used with Thermostat, 315 838 R91)
9	261 514 R92	THERMOSTAT w/SEAL, 254 753 R1 (165° to 190°) (not low boiling point) TD-92 501 to 2660
9	261 590 R92	THERMOSTAT w/SEAL, 254 753 R1 (130° to 155°) (low boiling point) TD-92 501 to 2660
9	315 838 R91	THERMOSTAT w/SEAL, 262 882 R1 (170° to 190°) (not low boiling point) (will work for 310 170 R91) TD-92 2661 up
9	310 171 R91	THERMOSTAT w/SEAL, 254 753 R1 (130° to 155°) (low boiling point) TD-92 2661 up
	256 646 R91	ATTACHMENT, low boiling point thermostat and heat indicator (consists of INDICATOR, 63 785 D and THERMOSTAT, 261 590 R92 (used on units with bleed hole in thermostat housing) (See NOTE 3) TD-92 501 to 2660
	315 847 R91	ATTACHMENT, low boiling point thermostat and heat indicator (consists of INDICATOR, 63 785 D, and THERMOSTAT, 310 171 R91) (used on units without bleed hole in ther- mostat housing) (See NOTES 1 and 3) TD-92



COOLING SYSTEM

ENGINE OIL COOLER



IPA-49898B

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	320 182 R1	CONNECTOR, water pump inlet oil cooler (together with HOSE, 321 878 R1 will work for 278 089 R1)
2	320 275 R1	ELBOW, water outlet oil cooler hose
3	274 085 R91	CLAMP, water hose (4)
4	321 878 R1	HOSE, engine oil cooler water inlet (together with CONNECTOR, 320 182 R1 will work for 305 205 R1)
5	279 212 R91	COOLER, engine oil (optional with 304 155 R92)
5	304 155 R92	COOLER, engine oil (optional with 279 155 R91) 5/16" NUT (4) 5/16" lock WASHER (4)
6	302 358 R1	"O" RING, oil cooler to manifold (3/4 x 15/16 x 3/32") (optional with 350 684 R1) (2)
6	350 684 R1	"O" RING, oil cooler to manifold (3/4 x 15/16 x 3/32") (optional with 302 358 R1) (2)
7	304 091 R1	GASKET, oil cooler manifold
8	251 400 R1	VALVE, oil cooler relief
9	279 163 R1	SPRING, oil cooler relief valve
10	251 403 R1	GASKET, relief valve plug
11	251 402 R1	PLUG, relief valve
12	279 160 R11	MANIFOLD ASSEMBLY, engine oil cooler (Composed of - 1 GASKET 251 403 R1 §1 MANIFOLD 2 PLUG 103 866 1 PLUG 251 402 R1 1 SPRING 279 163 R1 1 VALVE 251 400 R1) 5/16 x 1-3/4" hex-soc-hd. cap SCREW (2) 5/16" lock WASHER (2)
13	141 615	VALVE, TD-92 2483 up
14	278 784 R1	ELBOW, 1/4 x 1/8" NPT reducing street TD-92 2483 up
15	305 206 R1	HOSE, engine oil cooler water outlet
	362 123 R91	CLIP
	103 866	PLUG, 1/4NPT sq-hd. pipe (2)

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

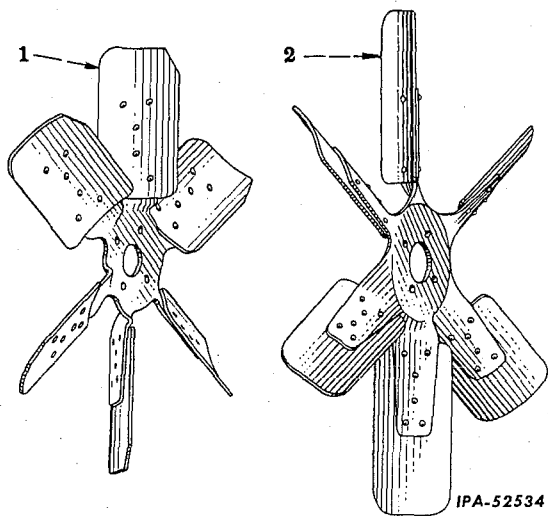
NOTE 3 - Field Application - Order through
Regular Service Parts Channels.

§ - Not Furnished Separately.



COOLING SYSTEM

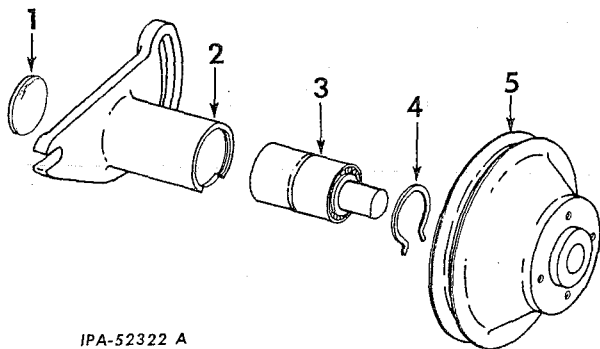
FAN



Suction fan

Blower fan

ADJUSTER AND FAN PULLEY



IPA-52322 A



COOLING SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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FAN - CONTINUED

- | | | |
|---|-------------|--|
| 1 | 321 885 R91 | FAN, suction (Schwitzer-Cummins) (21" diameter)
5/16 x 7/8" hex-hd cap SCREW (4)
5/16" lock WASHER (4) |
| 2 | 268 421 R91 | FAN, blower (21" diameter)
5/16 x 1" hex-hd cap SCREW (4)
5/16" lock WASHER (4) |
| | 268 420 R91 | ATTACHMENT, blower fan (consists of FAN, 268 421 R91 and Guard ATTACHMENT 318 662 R91) (see NOTE 1 and 3) |

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

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

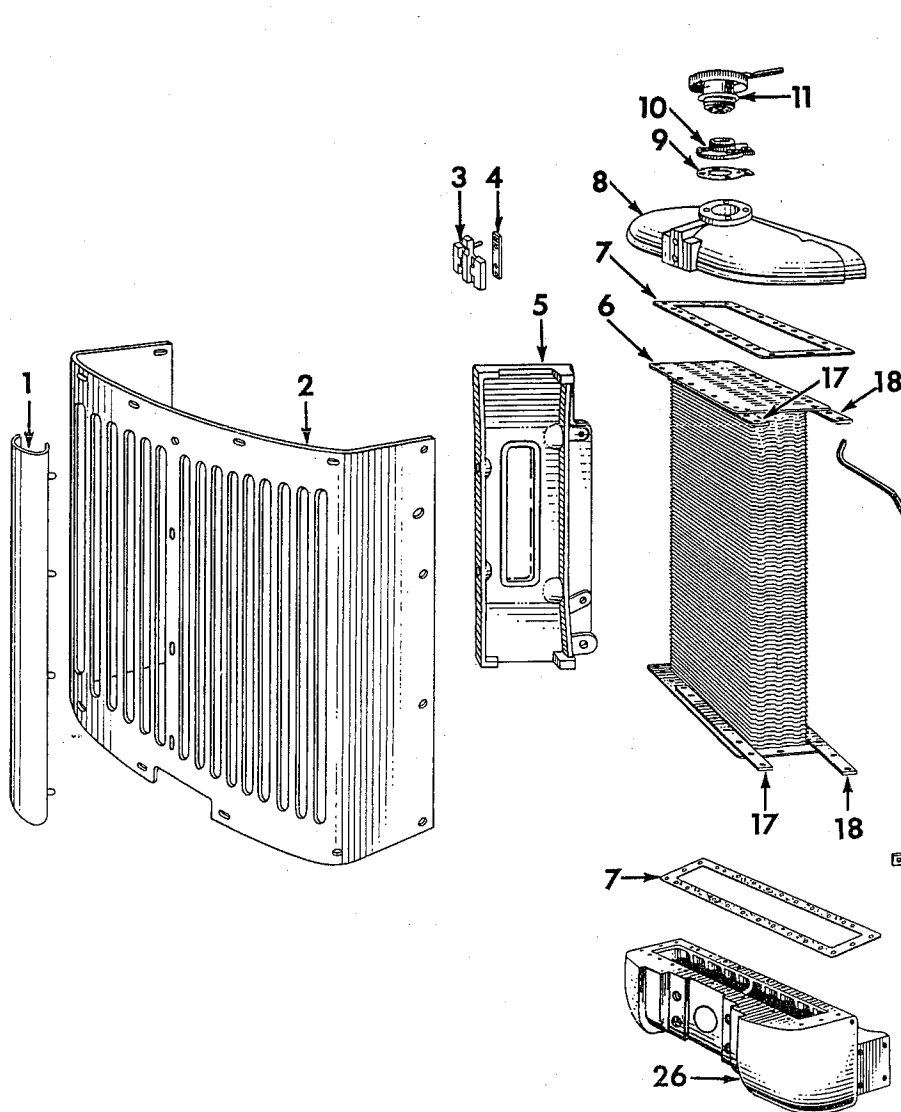
ADJUSTER AND FAN PULLEY - CONTINUED

- | | | |
|---|-------------|---|
| 1 | 145 201 R1 | PLUG, core hole |
| 2 | 306 629 R1 | ADJUSTER, fan pulley
7/16 x 1-1/4" hex-hd. cap SCREW (2)
7/16" lock WASHER (2)
1/2 x 1-1/4 x .083 ga. WASHER (2) |
| | M 86 687 | WASHER (2) |
| 3 | 306 365 R91 | SHAFT w/BEARING |
| 4 | 306 630 R1 | RING, bearing retainer |
| 5 | 306 631 R1 | PULLEY, fan |



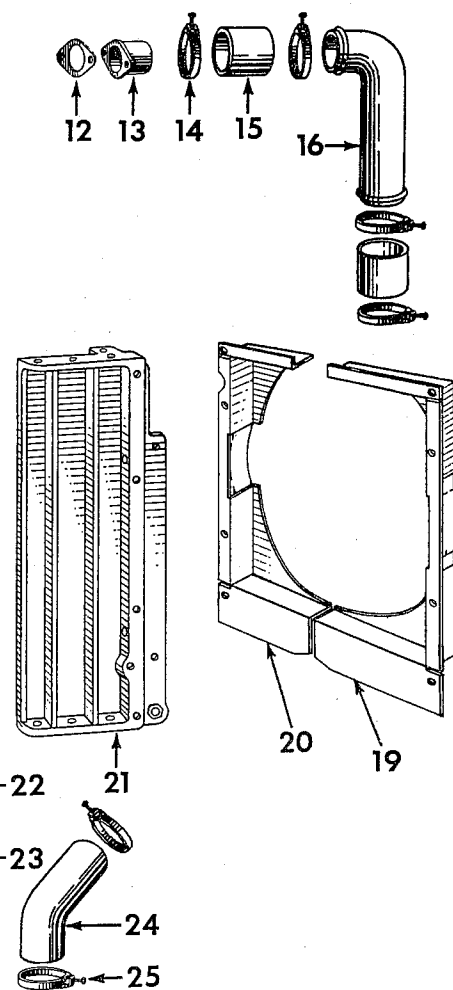
COOLING SYSTEM

RADIATOR, GRILLE, FAN HOUSING AND CONNECTIONS



COOLING SYSTEM

RADIATOR, GRILLE, FAN HOUSING AND CONNECTIONS -- CONTINUED



IPA-60251

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	275 192 R91	MOULDING, radiator grille
2	275 190 R11	GRILLE, radiator 5/16 x 5/8" hex-hd. cap SCREW (14) 5/16" lock WASHER (14) Q 397 WASHER, 11/32 x 3/4" x 16 ga. (14)
3	275 194 R91	EMBLEM, IH
4	275 193 R1	SUPPORT, IH emblem No. 12 x 3/4" rd-hd. mach. SCREW (2)
5	275 170 R21	SPACER w/SNUBBER, 275 341 R1, RH radiator core 7/16 x 1-1/4" hex-hd. cap SCREW (6) 7/16 x 1-1/2" hex-hd. cap SCREW (2) 7/16" lock WASHER (8)

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REF. NO.	I.H. PART NUMBER	DESCRIPTION
6	275 171 R93	CORE, radiator (not used with OUTBOARD FAN ATTACHMENT)
6	307 469 R91	CORE, radiator (used with OUTBOARD FAN ATTACHMENT, 307 400 R91)
7	48 164 DA	GASKET, radiator (2)
8	267 963 R3	TANK, water radiator upper
9	266 749 R1	GASKET, radiator filler neck base
10	266 747 R11	BASE w/PLUG, 103 883 radiator rod filler neck 3/8 x 7/8" hex-hd. cap SCREW (5) 3/8" lock WASHER (5)
11	268 795 R91	CAP, radiator pressure (4 lbs.)

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COOLING SYSTEM

REF. NO.	I.H. PART NUMBER	DESCRIPTION
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RADIATOR, GRILLE, FAN HOUSING AND CONNECTIONS - CONTINUED

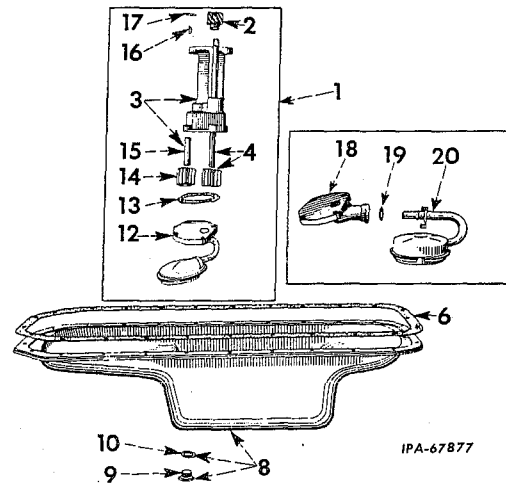
12	22 383 D	GASKET, radiator inlet pipe flange
13	306 915 R1	FLANGE, radiator inlet pipe
14	279 026 R91	CLAMP, radiator inlet (4)
15	278 538 R1	HOSE, radiator inlet pipe (2)
16	306 930 R1	PIPE, radiator inlet
17	48 160 D	STIFFENER, radiator core front (2) 5/16 x 7/8" hex-hd. cap SCREW (16) 5/16" lock WASHER (16)
18	48 159 D	STIFFENER, radiator core rear (2) 5/16 x 7/8" hex-hd. cap SCREW (12) 5/16" lock WASHER (12)
19	306 931 R21	SHEET, LH fan housing 5/16 x 5/8" hex-hd. cap SCREW (4) 3/8 x 5/8" hex-hd. cap SCREW (2) 3/8" lock WASHER (2) 5/16" lock WASHER (2)
20	306 932 R21	SHEET, RH fan housing 5/16 x 5/8" hex-hd. cap SCREW (4) 3/8 x 5/8" hex-hd. cap SCREW (2) 3/8" lock WASHER (2) 5/16" lock WASHER (2)
21	275 169 R21	SPACER w/SNUBBER, 275 341 R1 LH radiator core 7/16 x 1-1/4" hex-hd. cap SCREW (6) 7/16 x 1-1/2" hex-hd. cap SCREW (2) 7/16" lock WASHER (8)
22	281 065 R1	PIPE, radiator overflow
23	281 066 R1	CLIP, radiator overflow pipe 5/16 x 3/4" hex-hd. cap SCREW 5/16" lock WASHER
24	306 918 R1	HOSE, radiator outlet
25	274 088 R91	CLAMP, radiator outlet (2)
26	306 929 R1	TANK, water radiator lower
120 702		ELBOW, radiator drain valve
37 323 D		ELBOW, radiator overflow pipe
272 603 R1		FASTENER, radiator grille moulding (4)
363 284 R2		FASTENER, LH emblem (2)
278 953 R91		NUT, radiator overflow pipe elbow
103 883		PLUG, 1/8" slt-hdls. pipe
306 924 R91		RADIATOR ASSEMBLY (Composed of -
	1	BASE 266 747 R11
	1	CAP 268 795 R91
	1	CLIP 281 066 R1
	1	CORE 275 171 R93
	1	ELBOW 37 323 D
	2	GASKET 48 164 DA
	1	GASKET 266 749 R1
	1	NUT 278 953 R91
	1	PIPE 281 065 R1
	1	SPACER 275 169 R21
	1	SPACER 275 170 R21
	2	STIFFENER 48 159 D
	2	STIFFENER 48 160 D
	1	TANK 306 929 R1
	1	TANK 267 963 R3
	1	VALVE 31 729 D)
275 341 R1		SNUBBER, radiator core
31 729 D		VALVE, radiator drain (will work for 274 931 R91)

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LUBRICATION SYSTEM

CRANKCASE OIL PAN AND OIL PUMP



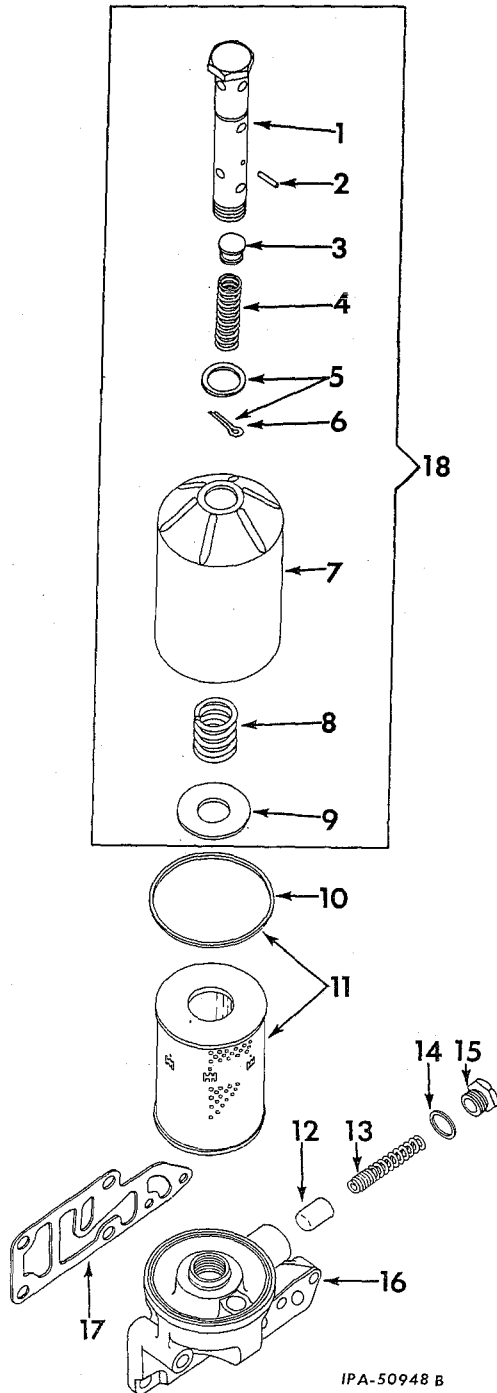
REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	379 138 R91	PUMP ASSEMBLY, oil (will work for 230 421 R91 and 308 366 R91) 5/16 x 1" hex-hd cap SCREW (2) 5/16" lock WASHER (2)
2	69 608 R1	GEAR, oil pump drive
3	230 410 R11	BODY w/SHAFT, 35 647 H, oil pump
4	230 409 R91	SHAFT w/GEAR, oil pump drive (used on PUMPS, 230 421 R91 and 379 138 R91)
4	69 606 R11	SHAFT w/GEAR, oil pump drive (used on PUMP, 308 366 R91)
6	369 984 R1	GASKET, crankcase oil pan
8	367 575 R92	PAN w/GASKET, 3 405 H and PLUG, 359 875 R1, crankcase oil 5/16 x 3/4" hex-hd cap SCREW (25) 5/16" lock WASHER (25)
9	41 300 HA	PLUG, crankcase oil pan drain (optional with 359 875 R1)
9	359 875 R1	PLUG, crankcase oil pan drain (optional with 41 300 HA)
10	3 405 H	GASKET, crankcase oil pan drain plug
12	379 139 R91	COVER and SCREEN, oil pump body 5/16 x 3/4" hex-hd cap SCREW (4) 5/16" lock WASHER (4)
13	69 607 R1	GASKET, oil pump cover
14	227 713 R1	GEAR, pump body driven
15	35 647 H	SHAFT, idler gear
16	103 905	KEY, oil pump drive gear (Woodruff No. 5)
17	112 011	PIN, 1/8 x 7/8" square end straight
18	169 679 R1	COVER, oil pump body (used on PUMPS, 230 421 R91 and 308 366 R91) 5/16 x 1" hex-hd cap SCREW (cd or zn-pltd) (4) 5/16" lock WASHER (4)
19	169 240 R1	"O" RING, seal (9/16 x 3/4 x 3/32") (used on Pumps, 230 421 R91 and 308 366 R91)
20		SCREEN, oil pump (used on Pumps, 230 421 R91 and 308 366 R91) (order 379 139 R91)

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LUBRICATION SYSTEM

LUBRICATING OIL FILTER



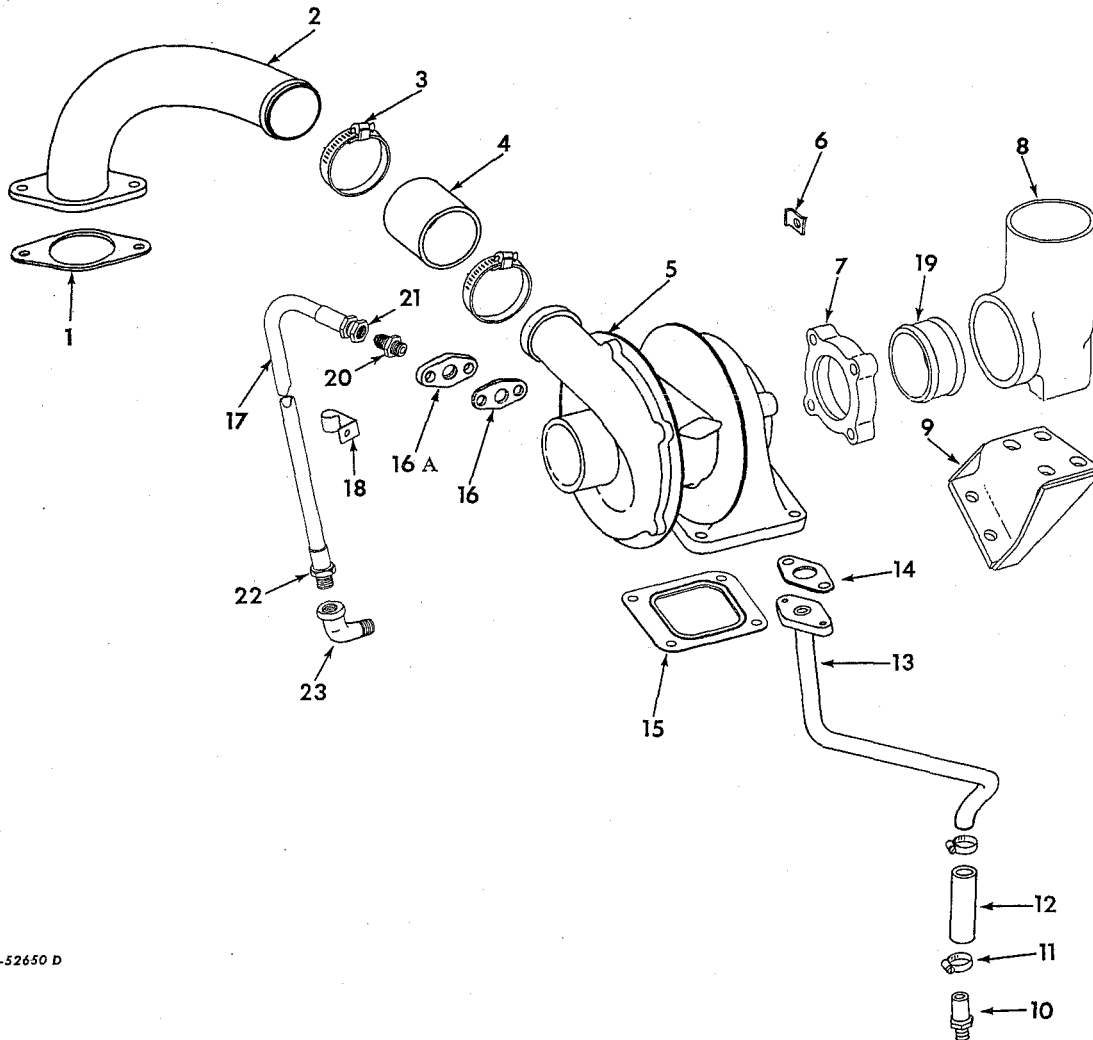
LUBRICATION SYSTEM

REF. NO.	I.H. PART NUMBER	DESCRIPTION
LUBRICATING OIL FILTER - CONTINUED		
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	320 273 R91	PACKAGE, center tube gasket
6	103 364	PIN, 1/16 x 1-1/4" cotter
7	303 998 R1	CASE, lubricating oil filter
8	304 011 R1	SPRING, element hold down
9	304 010 R1	WASHER, element retaining
10	304 854 R1	GASKET, oil filter case
11	323 827 R91	PACKAGE, lubricating oil filter element field 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	320 285 R11	BASE, w/PLUG, 103 879 lubricating oil filter 7/16 x 1" hex-hd. cap SCREW 7/16 x 3" hex-hd. cap SCREW (2) 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)
17	304 279 R1	GASKET, lubricating oil filter base
18	303 998 R11	CASE ASSEMBLY, lubricating oil
	120 063	ELBOW, 3/8 x 90° street (also listed and illustrated with "Turbo-Charger and Piping")
	103 879	PLUG, 3/8NPT sq-hd pipe
	444 618	PLUG, 1/4NPT auto-hex-hd pipe



TURBO-CHARGER

TURBO-CHARGER AND PIPING



IPA-52650 D

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	369 497 R2	GASKET, air outlet pipe flange
2	306 660 R11	PIPE, turbo-charger air outlet 7/16 x 1-1/8" hex-hd. cap SCREW (2) 7/16" lock WASHER (2)
	219 189	PLUG, 1/4NPT sq-hd. MI pipe (optional with 103 878)
	103 878	PLUG, 1/4NPT sq-hd. stl. pipe (optional with 219 189)
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	321 373 R91	TURBO-CHARGER (for components see list of parts under details of "Turbo-Charger")
	310 427 R1	BOLT, turbo-charger mounting (4)
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)

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TURBO-CHARGER

TURBO-CHARGER AND PIPING - CONTINUED

REF. NO.	I. H. PART NUMBER	DESCRIPTION
9	316 053 R11	BRACE, exhaust elbow upper
	304 451 R1	NUT (2)
	113 934 H	3/8 x 1-5/8" hex-hd cap SCREW (2) WASHER (4)
10	171 823 R1	NIPPLE, 3/4NPT x 3/4" hose
11	122 316 R91	CLAMP, turbo-charger oil outlet (2)
12	312 109 R1	HOSE, turbo-charger oil outlet
13	308 361 R11	TUBE, turbo-charger oil outlet
14	253 664 R1	GASKET, turbo-charger oil outlet 3/8 x 7/8" hex-hd. cap SCREW (2) 3/8" lock WASHER (2)
15	304 391 R1	GASKET, turbo-charger
16	253 660 R1	GASKET, turbo-charger oil inlet flange 3/8 x 7/8" hex-hd. cap SCREW (2) 3/8" lock WASHER (2)

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TURBO-CHARGER

REF. NO.	I.H. PART NUMBER	DESCRIPTION
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TURBO-CHARGER AND PIPING - CONTINUED

16A	318 379 R1	FLANGE, turbo-charger oil inlet tube TD-92 4732 up
16A	308 359 R1	FLANGE, turbo-charger oil inlet tube TD-92 501 to 4735
17	321 358 R91	HOSE w/FITTING, 321 361 R91 and FITTING, 321 362 R91, turbo-charger oil inlet (24" long) TD-92 4736 up
17		HOSE (less FITTINGS) turbo-charger oil inlet (13/32" x 24" long w/FITTINGS installed) (order Aeroquip 2601-8) (TD-92 4736 up)
17	308 358 R11	TUBE, turbo-charger oil inlet TD-92 501 to 4735
18	318 380 R1	CLAMP, turbo-charger oil inlet line TD-92 4736 up
18	308 360 R1	CLAMP, turbo-charger oil inlet line TD-92 501 to 4735
19	316 051 R1	SLEEVE, turbo-charger exhaust
20	321 359 R1	ADAPTER, turbo-charger oil inlet TD-92 4736 up
21	321 362 R91	FITTING, female straight J.I.C. swivel hose TD-92 4736 up
22	321 361 R91	FITTING, male pipe TD-92 4736 up
23	120 063	ELBOW, 3/8 x 90° street (also listed with "Lubricating oil filter")
	157 615 R91	CONNECTOR w/SLEEVE, 166 438 R1 and NUT, 166 483 R1 (turbo-charger oil inlet tube to turbo-charger oil inlet flange) TD-92 501 to 4735
	309 094 R1	ELBOW, 90° x 1/8NPT (Imperial Brass 34583) (optional with 309 102 R1) TD-92 501 to 4735
	166 483 R1	NUT, turbo-charger oil inlet connector TD-92 501 to 4735
	309 095 R1	NUT, coupling (used with ELBOW, 309 094 R1) TD-92 501 to 4735
	166 438 R1	SLEEVE, turbo-charger oil inlet connector TD-92 501 to 4735
	309 096 R1	SLEEVE (synthetic rubber) (used with ELBOW, 309 094 R1) TD-92 501 to 4735

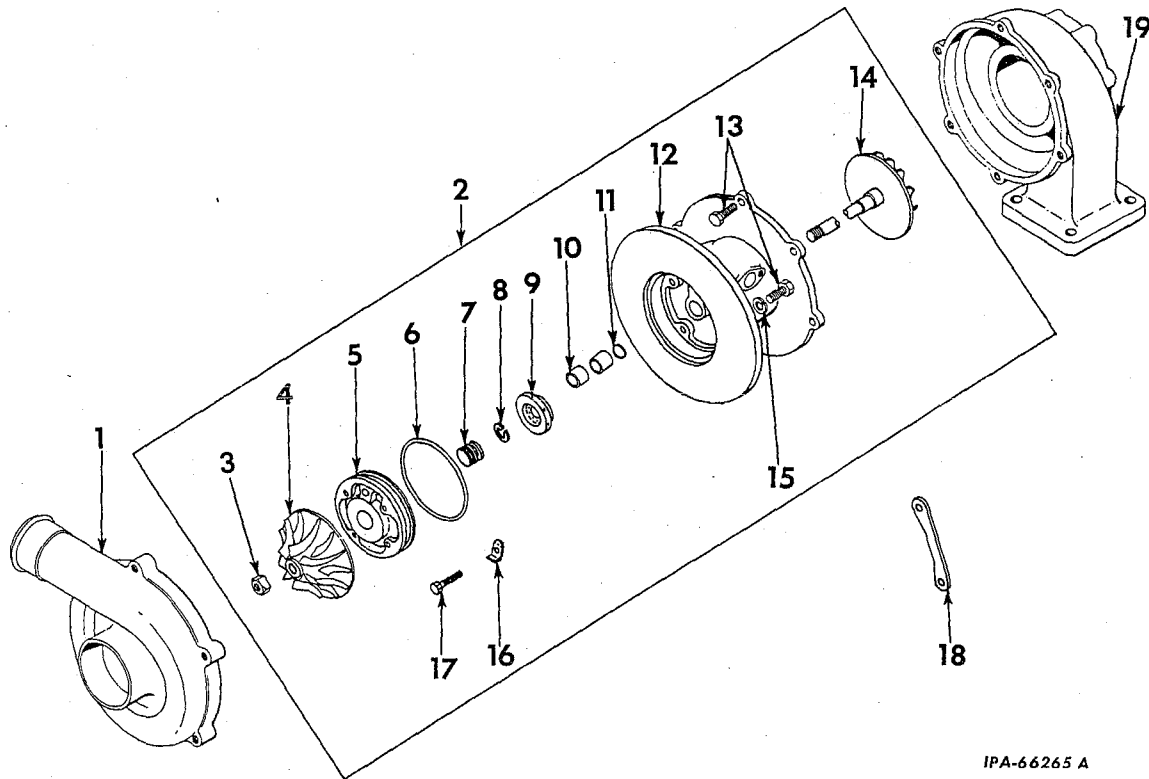


MEMORANDA



TURBO-CHARGER

TURBO-CHARGER
(Airesearch Industrial Division)



IPA-66265 A



REF. NO.	I. H. PART NUMBER	DESCRIPTION
	321 373 R91	TURBO-CHARGER ASSEMBLY (404310-1) (consists of the following parts -
	310 427 R1	BOLT, turbo-charger mounting (4)
1	309 126 R1	HOUSING, compressor (402289)
2	321 374 R91	CORE ASSEMBLY, center housing and rotating (404324)
3	19 839 R1	NUT, 5/16-24NF lock
4	324 255 R1	WHEEL, compressor (402155)
5	321 377 R91	PLATE ASSEMBLY, housing thrust (404233)
6	319 970 R1	"O" RING, thrust plate (2.98 x 3.25 x .135")
7	324 256 R1	SPACER, thrust (404042)
8	321 379 R1	RING, compressor wheel seal
9	324 257 R1	WASHER, thrust (404039)
10	319 971 R1	BUSHING, rotating shaft (402327)
11	319 972 R1	RING, shaft bushing retaining (400227)
12		HOUSING (order 321 374 R91)
13	179 816	SCREW, 5/16 x 3/4" hex-hd cap (not part of center housing and rotating core assembly) (6)
14	324 258 R91	WHEEL and SHAFT ASSEMBLY, turbine

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REF. NO.	I. H. PART NUMBER	DESCRIPTION
15	456 946	WASHER, 5/16" extra heavy lock (not part of center housing and rotating core assembly) (6)
16	321 378 R1	PLATE, thrust lock (404169)
17	9 415 665	SCREW, No. 10 x 7/8" hex-hd mach
18	321 375 R1	PLATE, turbine housing lock (6) (4202626)
19	309 127 R1	HOUSING, turbine (402213)
	309 164 R1	FLANGE, oil inlet blank (402367)
	253 660 R1	GASKET, flange blank (402368)
	307 787 R1	RING, oil inlet screen snap (403618)
	321 376 R91	ROTATING ASSEMBLY, compressor and turbine wheel (Composed of -
	1	NUT 19 839 R1
	1	SPACE. 324 256 R1
	1	WASHER 324 257 R1
	1	WHEEL 324 255 R1
	1	WHEEL and SHAFT 324 258 R91)
	307 785 R91	SCREEN, oil inlet (403347)
		SCREW, 3/8 x 3/4" hex-hd cap (2)
		3/8" lock WASHER (2)

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(REV. NO. 3 7-62)



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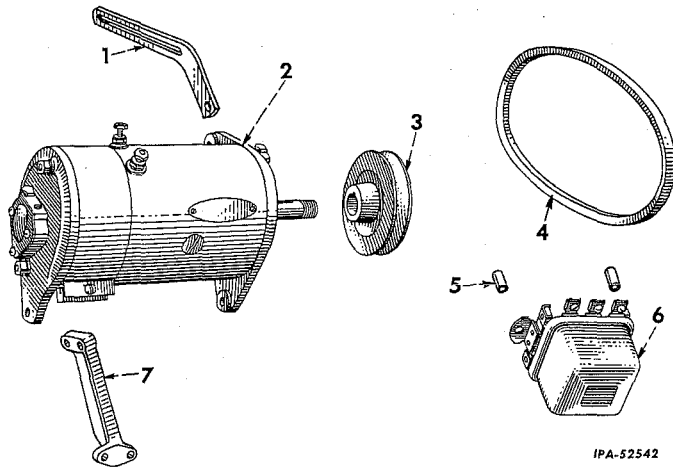
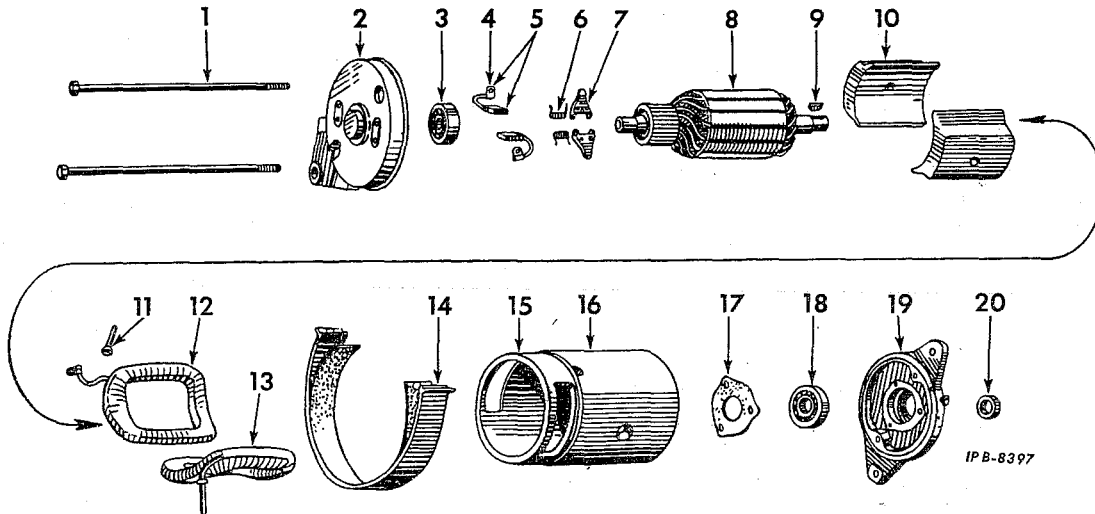


MEMORANDA



ELECTRICAL SYSTEM

GENERATOR AND CONNECTIONS

GENERATOR
(12 Volt) (Delco-Remy)

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
	1105121	GENERATOR ASSEMBLY (12 volt) (IH No. 306 360 R91)
1	809763 120638	BOLT, thru (2) WASHER, thru bolt lock (2)



ELECTRICAL SYSTEM

GENERATOR AND CONNECTIONS - CONTINUED

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	274 191 R2	BRACE, generator 7/16" NUT 3/8NF x 7/8" hex-hd. cap SCREW 3/8" lock WASHER 13/32 x 13/16" x No. 16 ga. WASHER 7/16" lock WASHER
2	306 360 R91	GENERATOR ASSEMBLY w/o PULLEY (Delco-Remy No. 1105121) (for components see list of parts under details of "Generator") 3/8" NUT 3/8 x 1-1/2" hex-hd. cap SCREW (2) 3/8 x 1-3/4" hex-hd. cap SCREW 3/8" lock WASHER (2)
3	306 659 R1	PULLEY, generator
4	306 658 R1	BELT, generator
5	306 925 R1	SPACER, voltage regulator mounting bolt (12)
6	273 299 R91	REGULATOR, voltage (Delco-Remy 1119152) (for components see list of parts under details of "Voltage Regulator") 1/4NF NUT (cd. or zn-pltd.) (4) 1/4" internal tooth lock WASHER (cd. or zn-pltd.) (4) 1/4NF x 1-1/4" slt-rd-hd. mach. SCREW (cd. or zn-pltd.) (2) 1/4NF x 2-1/4" slt-rd-hd. mach. SCREW (cd. or zn-pltd.) (2)
7	306 657 R1 62 493 D	BRACKET, generator 5/16 x 1" hex-hd. cap SCREW (2) 5/16" lock WASHER (2) WASHER

GENERATOR - CONTINUED
(12 Volt) (Delco-Remy)

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
2	1936330 1929959	FRAME, commutator end RING, bearing retainer
3	900529	BEARING, commutator end ball
4	200362	CLIP, terminal to brush

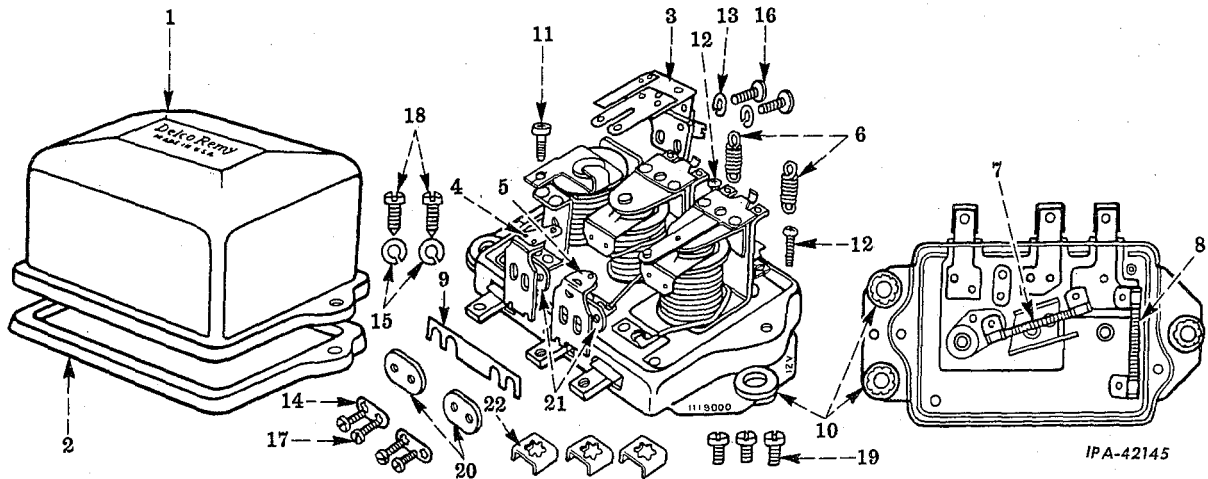


ELECTRICAL SYSTEM

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
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GENERATOR — CONTINUED
(12 Volt) (Delco-Remy)

5	1932506	BRUSH (2)
	141541	SCREW, brush lead attaching (2)
	1904377	WASHER, brush lead attaching lock (2)
6	1856993	SPRING, brush (2)
7	1878183	ARM, brush (2)
	1857412	WASHER, brush arm space (2)
8	1940161	ARMATURE
9	124545	KEY (Woodruff)
10	1918004	SHOE, pole (2)
	1883864	SCREW, pole shoe (2)
11	1858751	STUD, terminal (2)
	1902746	WASHER, insulating terminal stud (2)
	1881409	WASHER, plain terminal stud (2)
	121743	NUT, terminal stud (4)
	1904661	WASHER, terminal stud lock (4)
12	1945276	COIL, RH field
13	1945275	COIL, LH field

VOLTAGE REGULATOR
(Delco-Remy)

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
	1119152	REGULATOR ASSEMBLY, voltage (IH No. 273 299 R91)
1	1931886	COVER
2	1931887	GASKET, cover
3	1878467	ARMATURE, relay
4	1878493	CONTACT and SUPPORT, current regulator
5	1933242	CONTACT and SUPPORT, voltage regulator
6	1912176	SPRING, regulator armature (2)
7	1910174	RESISTOR, "F" terminal to ground
8	1910174	RESISTOR, "F" terminal to relay
9	1878504	CONNECTOR, regulator contact attaching screw
10	1879663	GROMMET, rubber (in base) (3)



ELECTRICAL SYSTEM

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
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GENERATOR — CONTINUED
(12 Volt) (Delco-Remy)

14	1879530	BAND, cover
	132926	SCREW, cover band
	34816	NUT, cover band
15	809062	PIN, dowel, commutator end and drive end (2)
16		FRAME (not furnished separately)
	131238	SCREW, frame
	120380	WASHER, frame lock
17	1911263	PLATE, drive end ball bearing retainer
	1904370	SCREW, ball bearing retainer plate attaching (3)
	1880781	WASHER, ball bearing retainer plate attaching screw lock (3)
18	900529	BEARING, drive end ball
19	1936333	FRAME, drive end
20	1858603	COLLAR, drive end space (outside)
	809945	COLLAR, drive end space (inside)
	1885090	INSULATOR, terminal (2)
	806915	NUT, shaft
	1888439	WASHER

VOLTAGE REGULATOR — CONTINUED
(Delco-Remy)

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
11	1912159	SCREW, relay armature adjusting
12	1922408	SCREW, regulator armature adjusting (2)
13	1904377	WASHER, relay armature attaching lock (2)
14	1878505	WASHER, regulator contact attaching screw lock (2)
15	1904376	WASHER, cover screw lock (2)
16	1924764	SCREW, relay armature attachment (2)
17	1878516	SCREW, regulator contact attaching (4)
18	1864009	SCREW, cover (2)
19	1878502	SCREW, terminal (3)
20	1922599	INSULATOR, regulator contact attaching screw (2)
21	1878507	WASHER, insulator regulator contact attaching screw (2)



ELECTRICAL SYSTEM

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
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VOLTAGE REGULATOR - CONTINUED
(Delco-Remy)

22	1878503	CLAMP, terminal (3)
	1911033	LEAD, ground
	1911028	MOUNT, shock (3 hole)
	1911034	MOUNT, shock (4 hole)

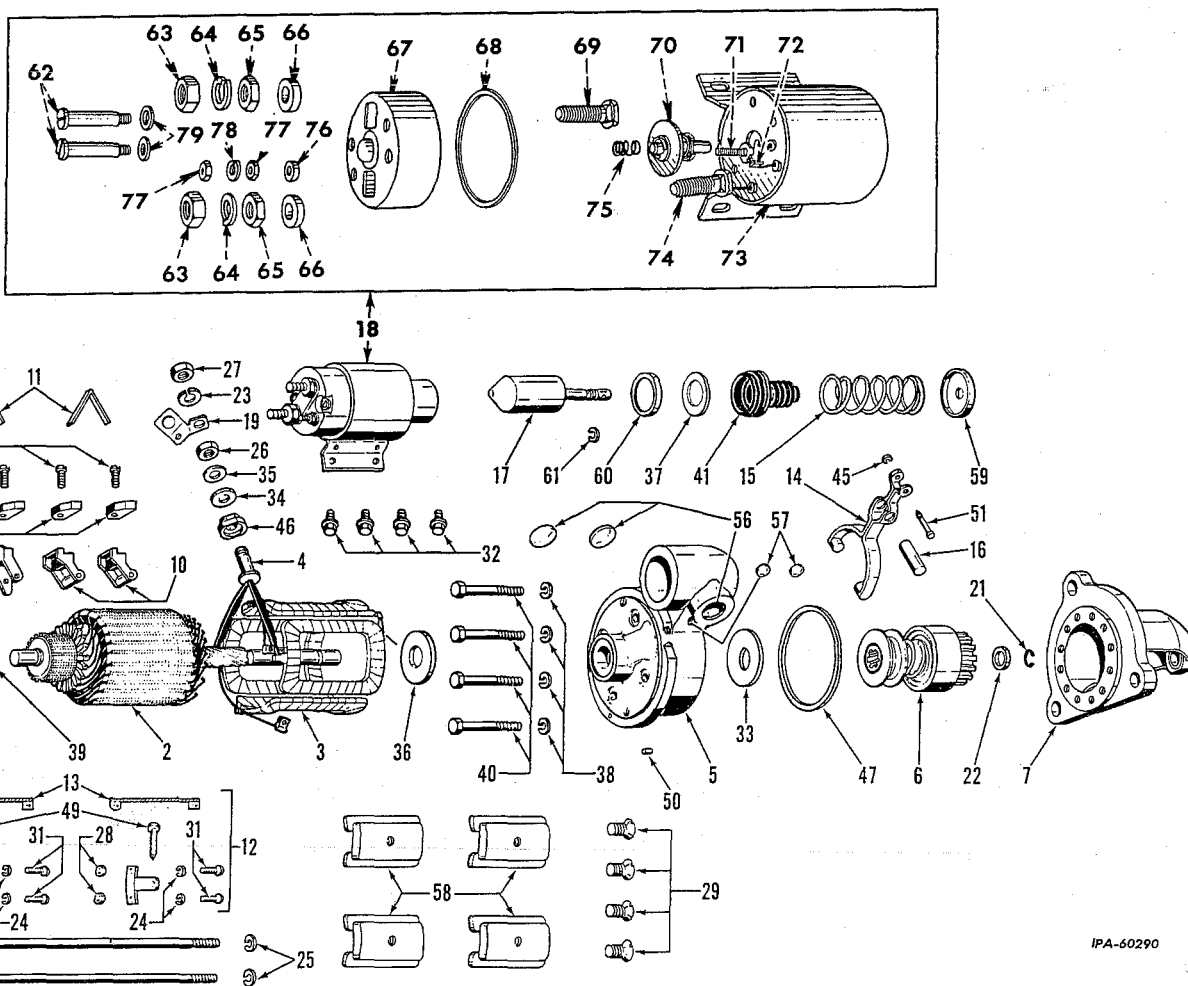
CRANKING MOTOR
(Delco-Remy)

ELECTRICAL SYSTEM

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
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VOLTAGE REGULATOR - CONTINUED
(Delco-Remy)

	124818	NUT, shock mount attaching (3)
	273484	SCREW, shock mount attaching (3)
	1874495	WASHER, shock mount attaching screw lock (3)

CRANKING MOTOR - CONTINUED
(Delco-Remy)

IPA-60290

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
	1113626	MOTOR ASSEMBLY, cranking (IH part number 306 378 R91) 3/8 x 1-3/8" hex-hd. cap SCREW (3) 3/8" lock WASHER (3)
1	1946555	FRAME w/BUSHING, 1872678, PLUG, 125947 and WICK, 1909654, commutator end
2	1946391	ARMATURE

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REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
3	1946386	COIL w/STUD, 1945626, field (4 coils)
4	1945626	STUD, terminal
5	1942241	HOUSING ASSEMBLY, lever (Composed of - 1 BUSHING 1933999 1 PLUG 273913 1 PLUG 1942957 2 PLUG 9411375)

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ELECTRICAL SYSTEM

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
CRANKING MOTOR - CONTINUED (Delco-Remy)		
6	1941157	DRIVE ASSEMBLY, motor (Composed of - 1 BUSHING 37535 1 COLLAR 1904443 1 LOCKWIRE 1904436 1 SPRING 1932354)
7	1946383	HOUSING w/BUSHING, 1943628, PLUG, 125947 and WICK, 1909654 drive
8	1906987	BRUSH (4)
9	1926617	HOLDER, brush ground (2)
10	1926618	HOLDER, brush insulated (2)
11	1945620	SPRING, brush (4)
12	1945923	PACKAGE, brush support (Consists of - 1 LEAD 1930694 2 NUT 120361 1 PIN 1938058 2 SCREW 445639 2 WASHER 120217)
13	1930694	LEAD, ground
14	1942245	LEVER, shift
15	1942260	SPRING, lever
16	1942255	SHAFT, lever
17	1942250	PLUNGER
18	1119833	SWITCH, solenoid
19	1946394	CONNECTOR, switch
20	1883865	BOLT, thru (2)
21	1928022	RING, pinion stop retaining
22	1928021	COLLAR, pinion stop
23	120381	WASHER, terminal stud lock
24	120217	WASHER, brush support attaching screw lock (2)
25	120214	WASHER, thru bolt lock (2)
26	805258	NUT, terminal stud (5/32" thick)
27	805258	NUT, terminal stud (5/32" thick)
28	120361	NUT, brush support attaching screw (2)
29	1843646	SCREW, pole shoe (4)
30	9413326	SCREW, brush attaching (4)
31	445639	SCREW, brush support attaching (2)
32	1916529	SCREW, switch attaching (4)
33	821453	WASHER, brake (between lever housing and motor drive housing)
34	1857268	WASHER, terminal stud insulating
35	805790	WASHER, terminal stud
36	1946395	WASHER, space (between lever housing and armature)
37	1942259	WASHER, retainer spring
38	120214	WASHER, lock (4)
39	833602	WASHER, commutator end space
40	122077	BOLT (4)
41	1942257	BOOT

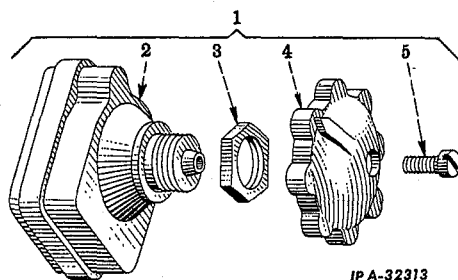


ELECTRICAL SYSTEM

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
CRANKING MOTOR - CONTINUED (Delco-Remy)		
45	1938376	RING, snap (lever) attaching pin)
46	1931783	BUSHING, terminal stud insulating
47	1913534	INSULATION, field coil (2)
49	1938058	PIN, brush holder
50	809593	PIN, dowel (drive housing)
51	1942253	PIN, lever attaching
56	9411375	PLUG, expansion (lever housing 1-3/16" dia.) (2)
57	1942957	PLUG, pipe (lever housing 1/2" dia.)
58	1934478	SHOE, pole (4)
59	1942282	RETAINER, spring (13/32" hole)
60	1942256	RETAINER, spring (1-13/64" hole)
61	9415234	RING, snap (spring retainer)
62	132903	SCREW, cover attaching (2)
63	134566	NUT, terminal stud (1/4" thick) (2)
64	120381	WASHER, terminal stud lock (2)
65	805258	NUT, terminal stud (5/32" thick) (2)
66	1927345	WASHER, terminal stud insulating (2)
67	1931818	COVER
68	1930629	GASKET, cover
69	1927344	STUD, battery terminal
70	1912059	CONTACT and ROD, push
71	1837533	STUD, terminal
72	1926958	CLIP, terminal
73	1931813	CASE and COIL
74	1931814	STUD, motor terminal
75	1853342	SPRING, contact return
76	1926929	WASHER, terminal insulating
77	120622	NUT, terminal stud (2)
78	1904615	WASHER, terminal stud lock
79	1923935	WASHER, cover attaching screw (2)
	37535	BUSHING, motor drive
	1872678	BUSHING, commutator end frame
	1933999	BUSHING, lever housing
	1943628	BUSHING, drive end
	1904443	COLLAR, motor drive
	125947	PLUG, pipe (commutator end frame)
	125947	PLUG, pipe (drive end)
	273913	PLUG, pipe (lever housing 15/64" dia.)
	1932354	SPRING, motor drive
	1909654	WICK, commutator end
	1909654	WICK, drive end
	1936465	WICK, lever housing
	1904436	WIRE, lock

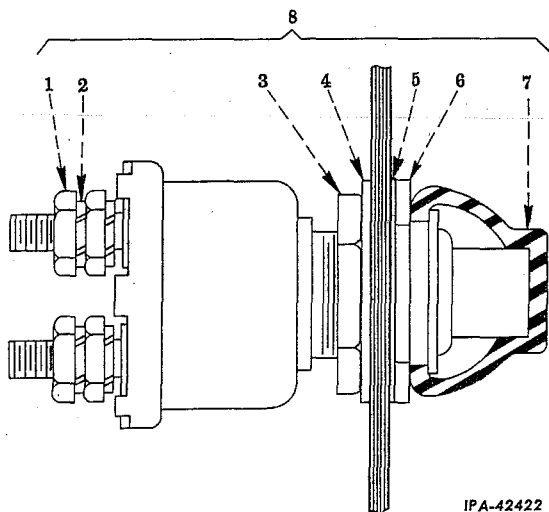


ELECTRICAL SYSTEM

LIGHTING SWITCH
(Delco-Remy)

IPA-32313

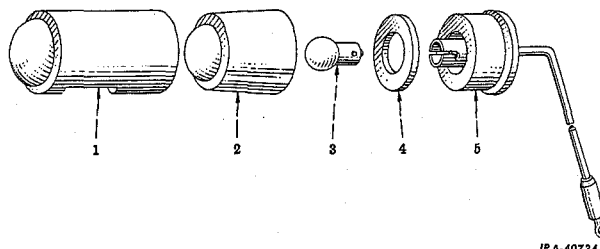
REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
1	1994053	SWITCH ASSEMBLY, lighting (IH No. 275 282 R91) 11/16" internal-tooth lock WASHER
2		SWITCH, lighting (Not Furnished Separately) (order 275 282 R91)
3	1882012	NUT, lighting switch mounting
4	1882013	KNOB, lighting switch
5	1864099	SCREW, lighting switch knob mounting No. 8 cd-pltd. lock WASHER
	1882994	SCREW, terminal (No. 8NF x 3/8") (6)
	1873844	WASHER, terminal screw lock (7)

STARTING SWITCH OR GLOW PLUG SWITCH
(Delco-Remy)

IPA-42422



ELECTRICAL SYSTEM

DASH LIGHT
(Guide Lamp Corporation)

IPA-40734

REF. NO.	I. H. PART NUMBER	DESCRIPTION
	271 077 R91	LIGHT ASSEMBLY, dash (897787) (2)
	271 080 R1	SCREW, mounting (3) No. 12 internal-tooth lock WASHER (2)
1	313 095 R1	COVER (5948941) (will work for 271 558 R1)
2	89 884 R1	LENS, outlook glass (922042)
3	193 125	BULB (6 cp. 12 volt) (631)
4	89 883 R1	GASKET (923079)
5	271 587 R91	SOCKET and WIRING (5946285)
	273 406 R1	GROMMET, dash light mounting (not furnished as part of 271 077 R91)
	89 886 R91	SCREW (923088) (2)
	273 405 R1	WASHER, dash light mounting (not furnished as part of 271 077 R91)

REF. NO.	DELCO-REMY NUMBER	DESCRIPTION
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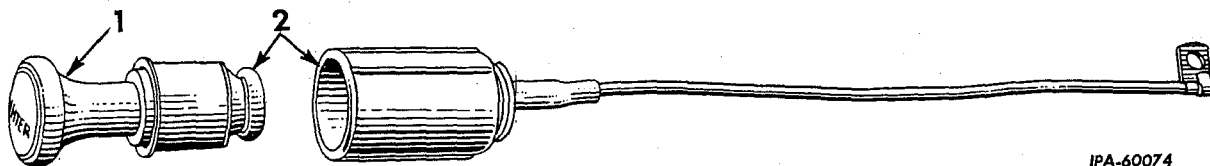
STARTING SWITCH OR GLOW PLUG SWITCH - CONTINUED
(Delco-Remy)

1	120614	NUT, terminal (2)
2	120217	WASHER, terminal lock (2)
3	1855936	NUT, inner mounting
4	138557	WASHER, mounting nut lock
5	1913828	WASHER, mounting nut
6	1903896	NUT, outer mounting
7	1914549	BOOT
8	1996080	SWITCH ASSEMBLY (IH No. 271 179 R91)



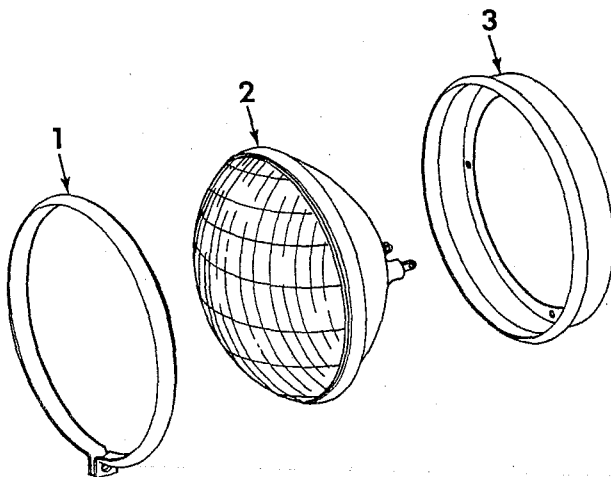
ELECTRICAL SYSTEM

CIGARETTE LIGHTER



REF. NO.	I. H. PART NUMBER	DESCRIPTION
278 730 R91		ATTACHMENT, cigarette lighter (Consists of the following parts) Factory Application - Order on Machine Order Form. Field Application - Order through Regular Service Parts Channels.

HEADLIGHT, REAR LIGHT AND AUXILIARY REAR LIGHT (United Specialties)



REF. NO.	I. H. PART NUMBER	DESCRIPTION
303 703 R91		HEADLIGHT, REAR LIGHT and AUXILIARY REAR LIGHT ASSEMBLY (optional with 303 704 R91 and 303 705 R91) (125C3S) (4) (Composed of - 1 BLOCK 303 717 R91 1 CLAMP 303 715 R91 1 GASKET 303 716 R91 §1 HOUSING 1 NUT 303 718 R91 1 UNIT 272 061 R91) 1/2NF NUT (4) 1/2" lock WASHER (4)

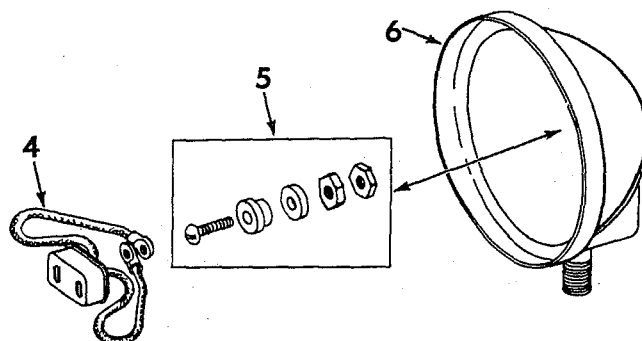


ELECTRICAL SYSTEM

CIGARETTE LIGHTER - CONTINUED

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	363 422 R91	UNIT, pop-out
2	362 000 R91	LIGHTER w/UNIT, 363 422 R91, cigarette (12 volt)

HEADLIGHT, REAR LIGHT AND AUXILIARY REAR LIGHT (United Specialties) - Continued



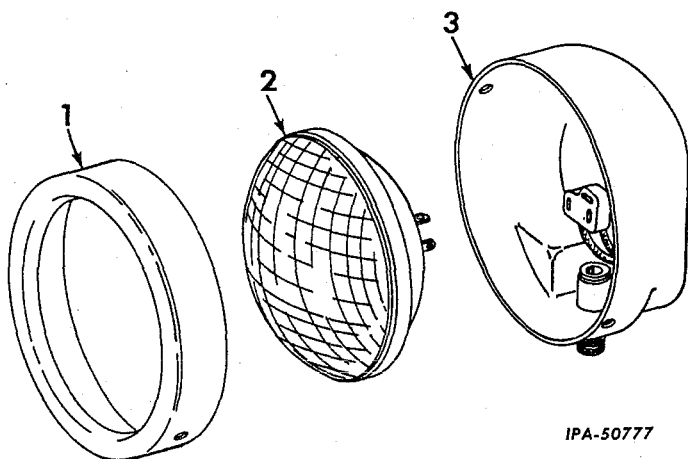
REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	303 715 R91	CLAMP (718B1K011) (4) No. 10 hex-hd. slt. mach. SCREW (4)
2	272 061 R91	UNIT, sealed (125C6S) (4)
3	303 716 R91	GASKET (615BX14A) (4)
4	303 717 R91	BLOCK, terminal (834A3) (4)
5	303 718 R91	NUT, screw insulation (139A2) (4)
6		HOUSING, light (order 303 703 R91) (4) SCREW, No. 8 x 1/2" self tapping (16)

§ - Not Furnished Separately



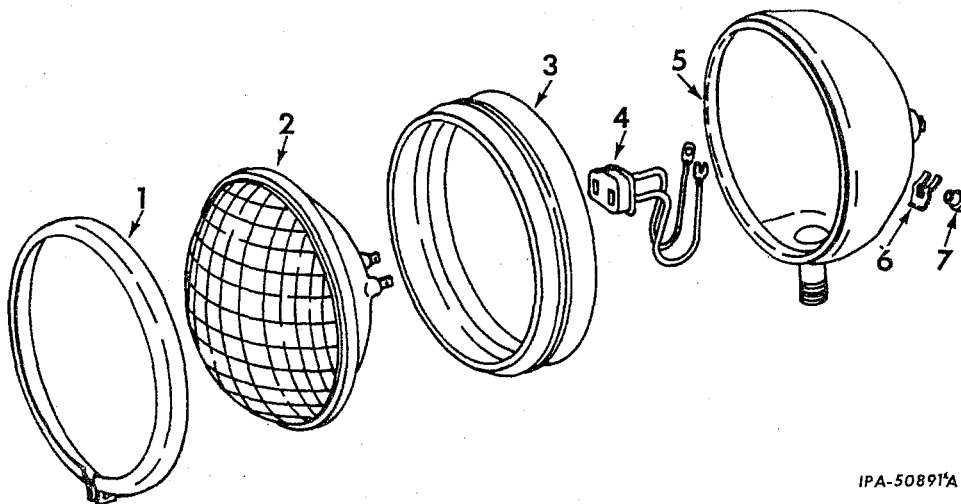
ELECTRICAL SYSTEM

HEADLIGHT, REAR LIGHT AND AUXILIARY REAR LIGHT (Hobbs)



IPA-50777

HEADLIGHT, REAR LIGHT AND AUXILIARY REAR LIGHT (Guide Lamp)



IPA-50891'A

REF. NO.	I.H. PART NUMBER	DESCRIPTION
303 705 R91		HEADLIGHT, REAR LIGHT and AUXILIARY REAR LIGHT ASSEMBLY (optional with 303 703 R91 and 303 704 R91) (899285) (4)
		(Composed of -
	§1	BODY
1		CONNECTOR and WIRE 305 161 R91
1		MOLDING 305 162 R91
1		PLATE 68 417 D
1		RING 305 164 R1
2		SCREW 53 526 D
1		SPRING 79 408 H
1		UNIT 272 061 R91)
		1/2NF NUT (3)
		1/2" lock WASHER (4)



ELECTRICAL SYSTEM

HEADLIGHT, REAR LIGHT AND AUXILIARY REAR LIGHT (Hobbs) - Continued

303 704 R91		HEADLIGHT, REAR LIGHT and AUXILIARY REAR LIGHT ASSEMBLY (optional with 303 703 R91 and 303 705 R91) (MI 1498) (4)
		(Composed of -
1		RETAINER 303 722 R1
§1		SHELL
1		SUPPORT 303 724 R1
1		UNIT 272 061 R91)
		1/2NF NUT (4)
		1/2" lock WASHER (4)
1	303 722 R1	RETAINER, lamp (3736) (4)
2	272 061 R91	UNIT, sealed (3472) (4)
3		SHELL (order 303 704 R91) (4)
		SCREW, No. 8 x 5/16" tapping (phosphate coated) (4)
303 724 R1		SUPPORT, lamp (3737) (4)

§ - Not Furnished Separately.

HEADLIGHT, REAR LIGHT AND AUXILIARY REAR LIGHT (Guide Lamp) - Continued

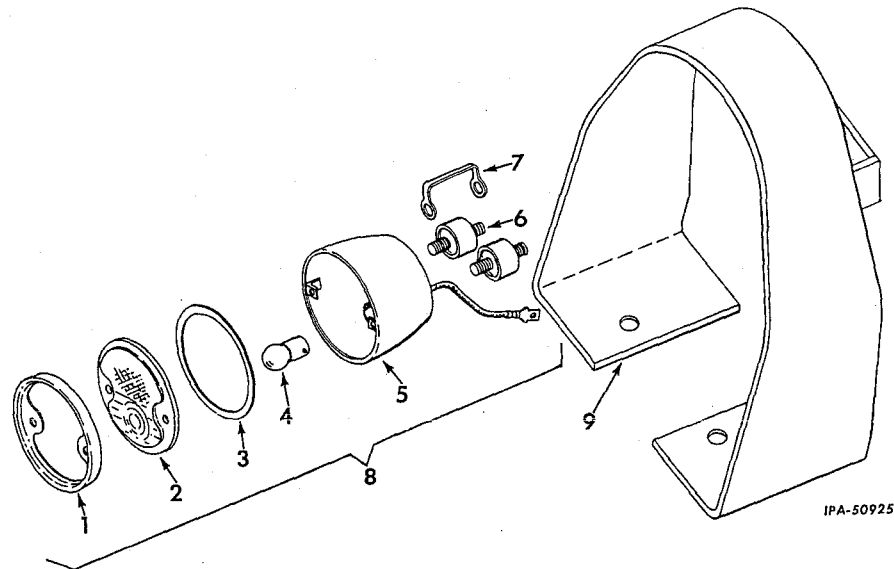
REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	305 162 R91	MOLDING (5949722) (4)
	53 526 D	SCREW (912048) (4)
2	272 061 R91	UNIT, sealed (5949700) (4)
3	305 164 R1	RING, resilient mounting (5949719) (4)
4	305 161 R91	CONNECTOR and WIRE (921232) (4)
5		BODY (order 303 705 R91) (4)
6	79 408 H	SPRING (922785) (4)
7	68 417 D	PLATE, terminal (922786) (4)
		SCREW, No. 8 x 5/16" slt-rd-hd. mach. terminal plate (cadmium or zinc plated) (8)
		WASHER, terminal plate lock (No. 8 internal tooth) (cadmium or zinc plated) (8)

§ - Not Furnished Separately.



ELECTRICAL SYSTEM

TAIL LIGHT (GUIDE LAMP) AND GUARD



REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	50 500 H	DOOR (918355)
2	50 501 HA	LENS (5938745)
3	50 502 HA	GASKET (914301)
4	142 450	BULB (12 volt) (Trade No. 67)
5		BODY (order 279 760 R91)
6	298 420 R91	MOUNTING (5944679) (2)
7	277 418 R1	TERMINAL, ground (5942271)
8	279 760 R91	LIGHT ASSEMBLY, tail (898894) (Composed of -
	§1	BODY
	1	BULB 29 939 H
	1	DOOR 50 500 H
	1	GASKET 50 502 HA
	1	LENS 50 501 HA
	1	MOUNTING 298 420 R91
	§1	TERMINAL
	1	TERMINAL 277 418 R1)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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AUXILIARY REAR LIGHT

281 923 R1	BRACKET, rear light (See NOTE 1) 1/2NF NUT (2) 1/2NF x 1" hex-hd. cap SCREW (2) 1/2" lock WASHER (2)
266 767 R91	CABLE, junction block to rear light (See NOTE 2) TD-92 501 to 2697
358 563 R91	CABLE, junction block to rear lamp TD-92 2698 up
362 120 R1	CLIP, cable (rubber covered) (See NOTE 2) 3/8NF NUT
112 734	GROMMET (on side sheet) (See NOTE 2)
303 703 R91	REAR LIGHT ASSEMBLY (United Specialties) (optional with 303 704 R91 and 303 705 R91) (for components see list of parts under details of "Headlight, Rear Light and Auxiliary Rear Light") (United Specialties)



ELECTRICAL SYSTEM

TAIL LIGHT (GUIDE LAMP) AND GUARD - CONTINUED

REF. NO.	I. H. PART NUMBER	DESCRIPTION
9	277 461 R11	GUARD, rear light and tail light 1/2" NUT (2) 1/2 x 1-1/4" hex-hd. cap SCREW (2) 1/2" lock WASHER (2)
	277 460 R91	CABLE, lighting switch to junction block
	279 833 R91	CABLE, junction block to tail light TERMINAL (order 279 760 R91)

§ - Not Furnished Separately.

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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AUXILIARY REAR LIGHT - CONTINUED

303 704 R91	REAR LIGHT ASSEMBLY (Hobbs) (optional with 303 703 R91 and 303 705 R91) (for components see list of parts under details of "Headlight, Rear Light and Auxiliary Rear Light") (Hobbs)
303 705 R91	REAR LIGHT ASSEMBLY (Guide Lamp) (optional with 303 703 R91 and 303 704 R91) (for components see list of parts under details of "Headlight, Rear Light and Auxiliary Rear Light") (Guide Lamp)
303 706 R1	SWIVEL, rear light (See NOTE 1) 1/2NF NUT 1/2NF x 2-1/2" hex-hd. cap SCREW 1/2" lock WASHER

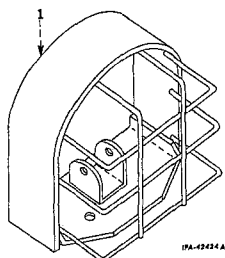
NOTE 1 - Illustrated with "Brackets and Swivels for Headlight, Rear Light and Auxiliary Rear Light"

NOTE 2 - Illustrated with "Electric Starting and Lighting"



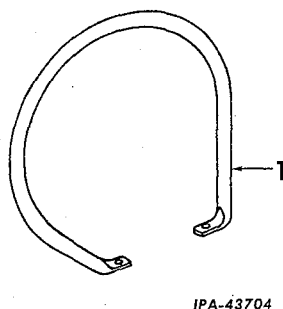
ELECTRICAL SYSTEM

HEADLIGHT BRUSH GUARD



REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	274 571 R92	GUARD, headlight brush (2) 7/16 x 7/8" hex-hd. cap SCREW (8) 7/16" lock WASHER (8)

REAR LIGHT BRUSH GUARD

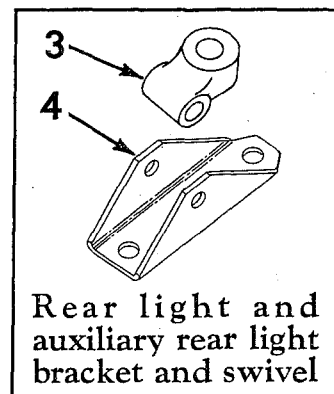
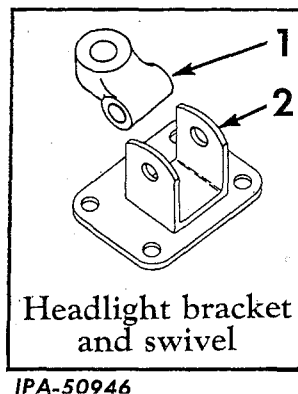


REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	281 268 R2	GUARD, rear light brush 1/2NF NUT (2) 1/2NF x 1-3/4" hex-hd. cap SCREW (2) 1/2" lock WASHER (2)



ELECTRICAL SYSTEM

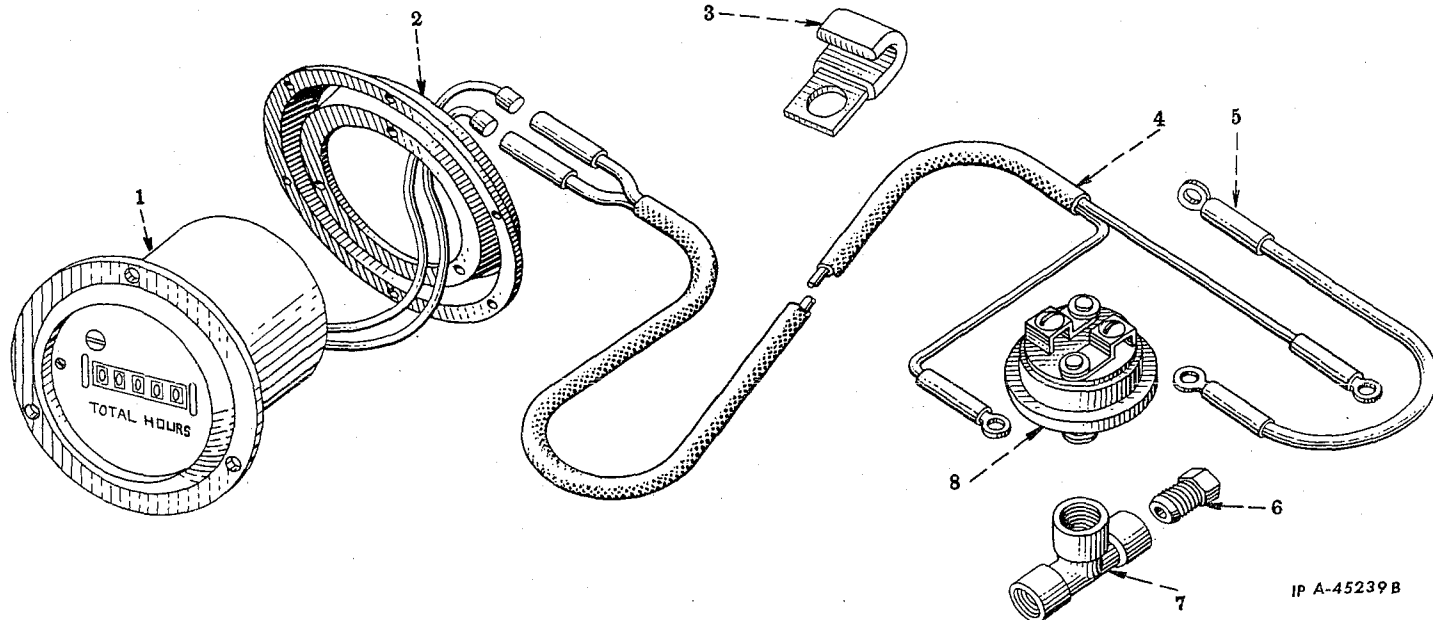
BRACKETS AND SWIVELS FOR HEADLIGHTS, REAR LIGHT AND AUXILIARY REAR LIGHT



REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	303 706 R1	SWIVEL, headlight (2) 1/2NF NUT (2) 1/2NF x 2-1/2" hex-hd. cap SCREW (2) 1/2" lock WASHER (2)
2	282 081 R91	BRACKET, headlight mounting (not used with headlight brush guard attachment) (2) 7/16 x 7/8" hex-hd. cap SCREW (8) 7/16" lock WASHER (8)
3	303 706 R1	SWIVEL, rear light and auxiliary rear light (2) 1/2NF NUT (cd. or zn-pltd.) (2) 1/2NF x 2-1/2" hex-hd. cap SCREW (cd. or zn-pltd.) (2) 1/2" lock WASHER (cd. or zn-pltd.) (2)
4	281 923 R1	BRACKET, rear light and auxiliary rear light (2) 1/2NF NUT (4) 1/2NF x 1" hex-hd. cap SCREW (auxiliary rear light) (2) 1/2NF x 1-1/4" hex-hd. cap SCREW (rear light) (2) 1/2" lock WASHER (2)



ELECTRICAL SYSTEM

ELECTRIC HOUR METER
(Hobbs Corporation)

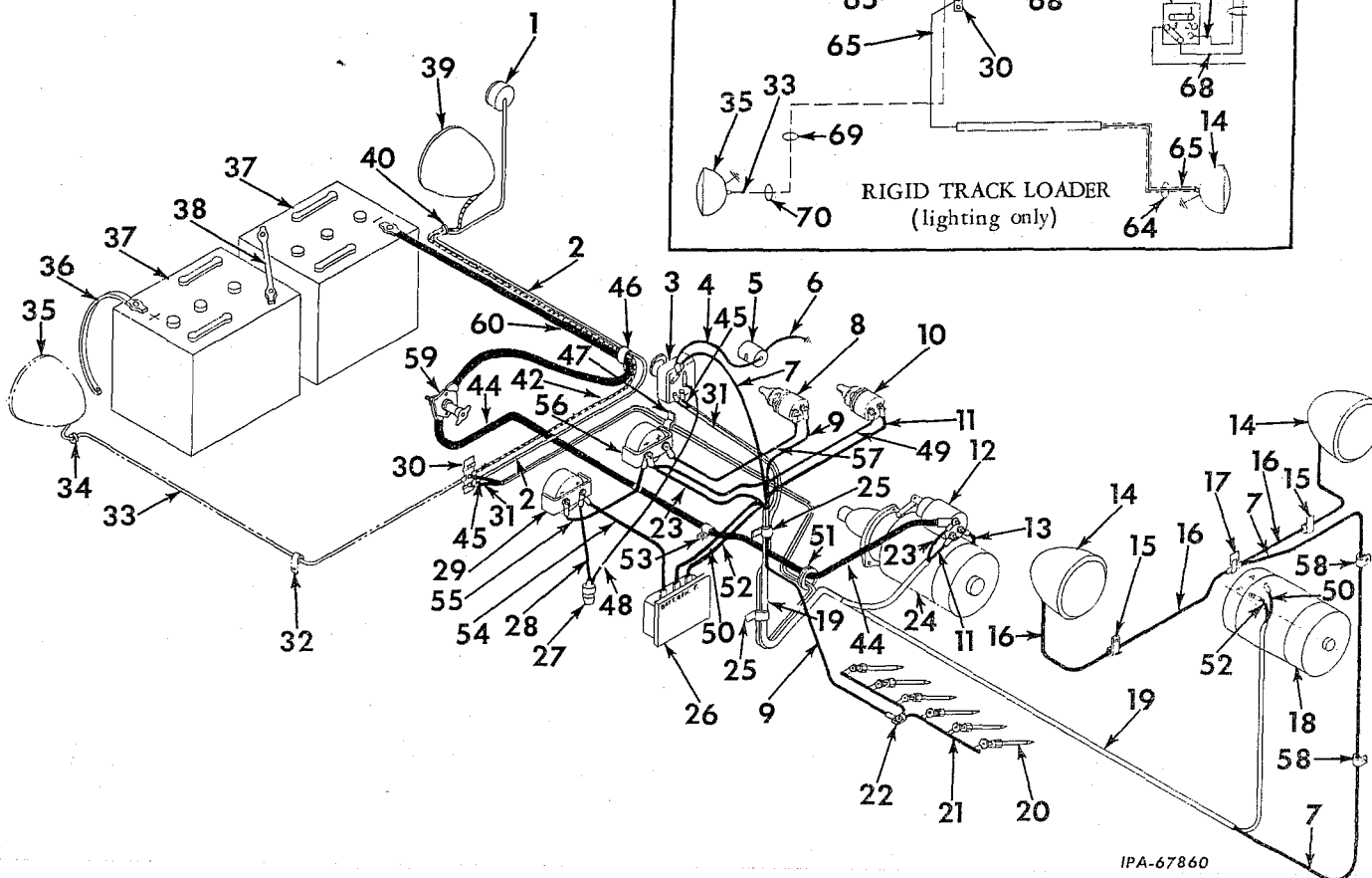
IP A-45239B

REF. NO.	I. H. PART NUMBER	DESCRIPTION
	275 792 R91	ATTACHMENT, electric hour meter (12 volt) Factory Application - Order on Machine Order Form. Field Application - Order through Regular Service Parts Channels.
1	324 572 R91	METER, hour (2 volt) No. 6 x 1/2" cd-pltd. slt-rd-hd. SCREW (3) No. 6 cd-pltd. lock WASHER (3)
	264 674 R91	DAMPER, vibration No. 6 NUT (3) No. 6 x 1/2" cd-pltd. slt-rd-hd. SCREW (3) No. 6 cd-pltd. lock WASHER (3)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
3	263 514 R91	CLIP, hour meter cable harness (mounted on front seat support)
4	275 793 R91	HARNESS, hour meter cable
5	274 304 R91	CABLE, pressure switch to ground (will work for 358 585 R91)
6	29 898 D	NUT, hour meter pressure switch (2)
7	262 421 R1	FITTING, hour meter pressure switch tee
8	132 244 R91	SWITCH, pressure (Hobbs) (optional with 277 748 R91)
8	277 748 R91	SWITCH, pressure (Rochester) (optional with 132 244 R91)

ELECTRICAL SYSTEM

ELECTRIC STARTING AND LIGHTING



IPA-67860

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	279 760 R91	LIGHT, tail (for components see list of parts under details of "TAIL LIGHT and GUARD")
2	279 833 R91	CABLE, junction block to tail light (also listed with "TAIL LIGHT and GUARD")
3	275 282 R91	SWITCH, light (for components see list of parts under details of "LIGHTING SWITCH") 11/16" internal-tooth lock WASHER No. 8 lock WASHER
4		CABLE, dash light (furnished as part of DASH LIGHT, 271 077 R91)

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REF. NO.	I. H. PART NUMBER	DESCRIPTION
5	271 077 R91	LIGHT, dash (for components see list of parts under details of "DASH LIGHT")
	273 406 R1	GROMMET, dash lamp mounting
	271 080 R1	SCREW, mounting (3)
	273 405 R1	No. 12 internal-tooth lock WASHER (2) WASHER, dash light mounting
6	274 305 R91	CABLE, dash light to ground
7		CABLE, lighting switch to headlight junction block (black) (order 306 926 R91)
8	271 179 R91	SWITCH, glow plug (for components see list of parts under details of "STARTING SWITCH OR GLOW PLUG SWITCH")
9	309 553 R91	CABLE, glow plug switch to glow plug junction block

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ELECTRICAL SYSTEM

ELECTRIC STARTING AND LIGHTING - CONTINUED



ELECTRICAL SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - CONTINUED		
10	271 179 R91	SWITCH, starting (for components see list of parts under details of "STARTING SWITCH OR GLOW PLUG SWITCH")
11		CABLE, starting switch to solenoid (gray) (order 306 926 R91)
12		SWITCH ASSEMBLY, solenoid (Delco-Remy No. 1119833) (for components see list of parts under details of "CRANKING MOTOR")
13		CABLE, solenoid to cranking motor (furnished as part of CRANKING MOTOR, 306 378 R91)
14	303 704 R92	HEADLIGHT ASSEMBLY (Hobbs) (for components see list of parts under details of "HEADLIGHT, REAR LIGHT and AUXILIARY REAR LIGHT") (optional with 303 705 R91 and 303 703 R91) (2)
14	303 705 R91	HEADLIGHT ASSEMBLY (Guide Lamp) (for components see list of parts under details of "HEADLIGHT, REAR LIGHT and AUXILIARY REAR LIGHT") (optional with 303 703 R91 and 303 704 R92) (2)
14	303 703 R91	HEADLIGHT ASSEMBLY (United Specialists) (for components see list of parts under details of "HEADLIGHT, REAR LIGHT and AUXILIARY REAR LIGHT") (optional with 303 704 R92 and 303 705 R91) (2) 1/2NF NUT (2) 1/2" lock WASHER (2)
15	362 120 R1	CLIP, cable (for 3/8" BOLT on fan shroud) (2)
16	57 062 DA	CABLE, junction block to headlight (2)
17	275 278 R91	BLOCK, 42 915 D w/BACKET, 275 279 R1 headlight junction
17	42 915 D	BLOCK, junction (headlight) No. 10 hex. NUT No. 10 x 1/2" rd-hd. slt-mach. SCREW No. 10 lock WASHER
18	306 360 R91	GENERATOR ASSEMBLY (for components see list of parts under details of "GENERATOR")
19	306 926 R91	HARNES, cable
20	304 131 R2	GLOW PLUG (also listed and illustrated with "INJECTION NOZZLE") (6)
21	319 967 R91	HARNES, glow plug cable (2)
22	42 915 D	BLOCK, junction (glow plug harness) No. 10 NUT No. 10 x 1/2" rd-hd. slt. mach. SCREW No. 10 lock WASHER
23		CABLE, minus (-) on glow plug meter to solenoid (red) (order 306 926 R91)
24	306 378 R91	MOTOR ASSEMBLY, cranking (for components see list of parts under details of "CRANKING MOTOR")
25		CLIP, rubber covered cable (welded on dash) (2)
26	273 299 R91	REGULATOR ASSEMBLY, voltage (for components see list of parts under details of "VOLTAGE REGULATOR")
27	275 276 R91	HOUSING w/CABLES, fuse
28		CABLE, plus (+) on ammeter to fuse housing (furnished as part of fuse housing, 275 276 R91)
29	269 467 R92	AMMETER (also listed with "INSTRUMENTS and INSTRUMENT PANEL")
30	300 559 R91	BLOCK, junction (rear lights)
31	277 460 R91	CABLE, light switch to tail light junction block (also listed with "TAIL LIGHT and GUARD")



ELECTRICAL SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - CONTINUED		
32	267 788 R91	CLIP, cable (for 3/8" bolt on side sheet) (also listed with "AUXILIARY REAR LIGHT")
33	266 767 R91	CABLE, junction block to auxiliary rear light (also listed with "Auxiliary Rear Light") TD-92 501 to 2697
33	358 563 R91	CABLE, junction block to auxiliary rear light (also listed with "Auxiliary Rear Light") TD-92 2698 up
34	112 734	GROMMET, rubber (mounted on side sheet) (also listed with "AUXILIARY REAR LIGHT")
35	303 705 R91	REAR LIGHT ASSEMBLY, auxiliary (Guide Lamp) (for components see list of parts under details of "HEADLIGHT, REAR LIGHT and AUXILIARY REAR LIGHT") (optional with 303 704 R92 and 303 703 R91)
35	303 704 R92	REAR LIGHT ASSEMBLY, auxiliary (Hobbs) (for components see list of parts under details of "HEADLIGHT, REAR LIGHT and AUXILIARY REAR LIGHT") (optional with 303 705 R91 and 303 703 R91)
35	303 703 R91	REAR LIGHT ASSEMBLY, auxiliary (United Specialists) (for components see list of parts under details of "HEADLIGHT, REAR LIGHT and AUXILIARY REAR LIGHT") (optional with 303 704 R92 and 303 705 R91) (2) 1/2NF NUT (2) 1/2" lock WASHER (2)
36	266 855 R91	CABLE, battery to ground 1/2" internal-external tooth lock WASHER
37	277 374 R91	BATTERY, dry charged (Auto-Light) (2)
38	266 854 R91	CABLE, battery to battery
39	303 705 R91	REAR LIGHT ASSEMBLY (Guide Lamp) (for components see list of parts under details of "HEADLIGHT, REAR LIGHT and AUXILIARY REAR LIGHT") (optional with 303 704 R92 and 303 703 R91)
39	303 704 R92	REAR LIGHT ASSEMBLY (Hobbs) (for components see list of parts under details of "HEADLIGHT, REAR LIGHT and AUXILIARY REAR LIGHT") (optional with 303 705 R91 and 303 703 R91)
39	303 703 R91	REAR LIGHT (United Specialists) (for components see list of parts under details of "HEADLIGHT, REAR LIGHT and AUXILIARY REAR LIGHT") (optional with 303 704 R92)
40	112 734	GROMMET, rubber (mounted on seat side sheet)
42	266 767 R91	CABLE, junction block to rear light TD-92 501 to 2697
42	358 563 R91	CABLE, junction block to rear light TD-92 2698 up
44	274 455 R91	CABLE, battery to solenoid TD-92 501 to 4067
44	316 643 R1	CABLE, master switch to solenoid TD-92 4068 up
45	358 581 R91	CABLE, light switch to rear light junction block
46	267 788 R91	CLIP, rubber covered cable (mounted on side sheet bracket) (will work for 362 120 R1)
47	263 514 R91	CLIP, rubber covered cable (mounted on front and rear bolt of platform supports)
48		CABLE, light switch to fuse (furnished as part of FUSE HOUSING, 275 276 R91)
49		CABLE, minus (-) on glow plug meter to starting switch (green) (order 306 926 R91)
50		CABLE, "A" on generator to "GEN" on regulator (yellow) (order 306 926 R91)



ELECTRICAL SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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ELECTRIC STARTING AND LIGHTING — CONTINUED

51	112 745	GROMMET, rubber (mounted on dash)
52		CABLE, "F" on generator to "F" on regulator (blue) (order 306 926 R91)
53	267 788 R91	CLIP, rubber covered cable (for 3/8" bolt on rear left clutch housing cover bolt)
54	306 928 R91	CABLE, plus (+) on ammeter to "BAT" on regulator (black)
55	52 030 DA	CABLE, minus (-) on glow plug meter to minus (-) on ammeter
56	306 793 R92	METER, glow plug (also listed and illustrated with "INSTRUMENTS and INSTRUMENT PANEL")
57	306 927 R91	CABLE, plus (+) on glow plug meter to glow plug switch (black)
58	263 515 R91	CLIP, rubber covered cable (for 5/16" bolt on fan shroud) (2)
59	314 751 R21	LOCK, master switch TD-92 4068 up
		1/4" NUT
	314 753 R1	1/4 x 1-1/4" hex-hd cap SCREW
		SPACER, lock
	16 558 R1	1/4" lock WASHER
		WASHER, 5/8 x 17/64 x .065" flat
60	264 768 R91	CABLE, master switch to battery (not used on rigid track loader) TD-92 4068 up
60	316 642 R91	CABLE, master switch to battery (used only on rigid track loader) TD-92 4068 up
61	263 514 R91	CLIP, cable (on rear light bracket bolt)
62	362 120 R1	CLIP, rubber covered cable (on seat side sheet rear upper bolt) (2)
63	362 120 R1	CLIP, rubber covered cable (on seat side sheet front bottom bolt)
64	263 514 R91	CLIP, cable (on headlight bracket inner bolt) (2)
65	316 647 R91	CABLE, rear junction block to headlights (2)
66	263 514 R91	CLIP (on left side shifter housing center bolt)
67	277 460 R91	CABLE, light switch to rear junction block (for rear lights)
68	277 460 R91	CABLE, light switch to rear junction block (for headlights)
69	362 120 R1	CLIP, rubber covered cable (on seat side sheet rear upper bolt) (used only with "Auxiliary Rear Light")
70	263 514 R91	CLIP, cable (on Auxiliary Rear Light Bracket Bolt)
	356 062 R91	BOLT w/NUT, battery terminal (X)
	304 313 R1	BRACKET, junction block mounting (for glow plug cable harness)
	275 279 R1	BRACKET, junction block mounting (for headlight junction block)
	264 164 R91	CLIP, rubber covered cable (mounted on generator brace bolt)
	263 514 R91	CLIP, rubber covered cable (mounted on front center fender bolt)
	263 717 R91	CLIP, cable (glow plug harness mounted on injection nozzle)
		3/8" internal-external tooth lock WASHER
	432 644	FUSE, 20 amp. lighting switch
	178 081	PLUG, button (dash light)
	432 607	PLUG, button (lighting switch)
	975 979 R91	SWITCH, master TD-92 4068 up
		1/4" NUT
		1/4 x 3/4" hex-hd cap SCREW
		1/4" lock WASHER

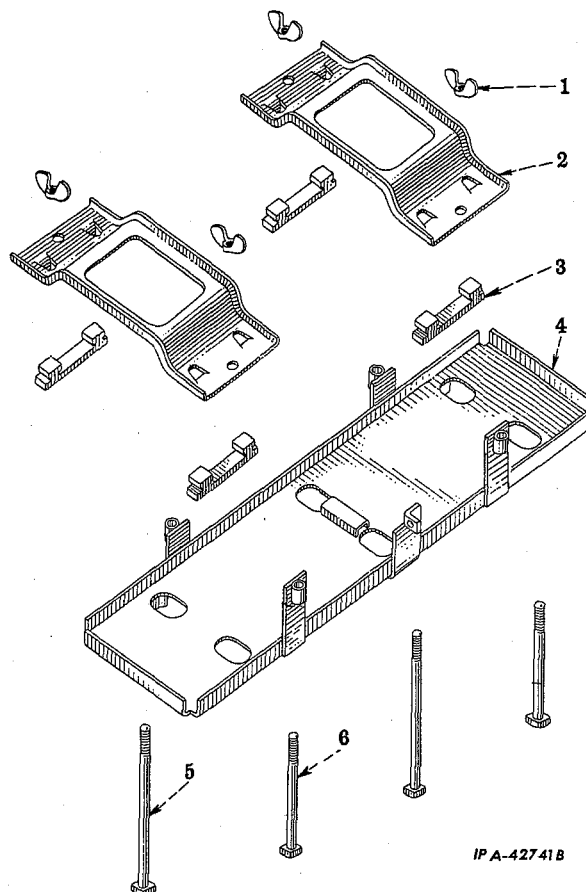
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ELECTRICAL SYSTEM

BATTERY SUPPORT



IPA-42741B

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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 R91	SUPPORT, battery 1/2 x 1-1/4" hex-hd. cap SCREW (6) 1/2" lock WASHER (6) 17/32 x 1-1/16" x No. 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)

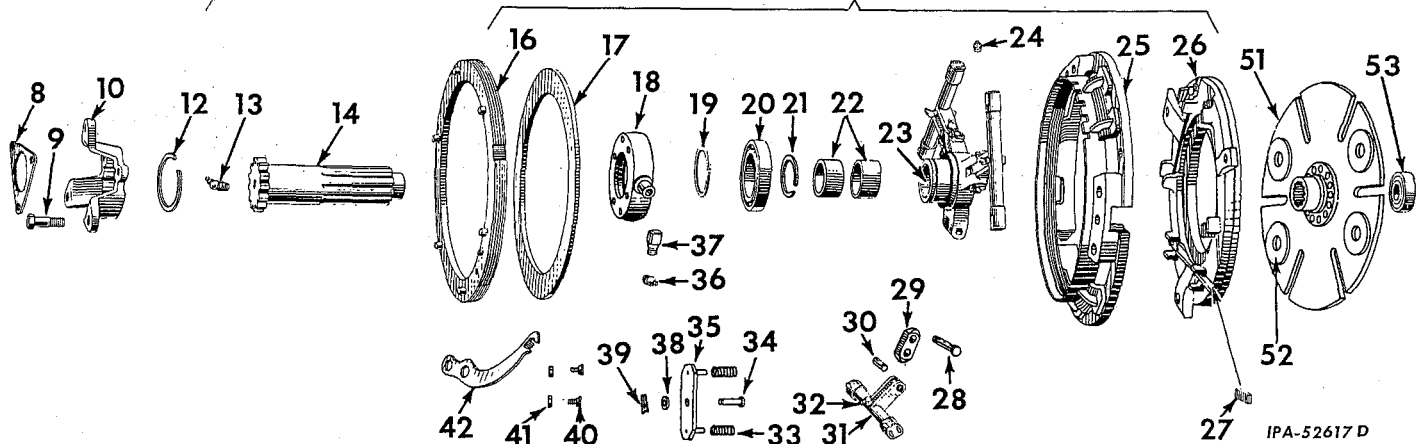
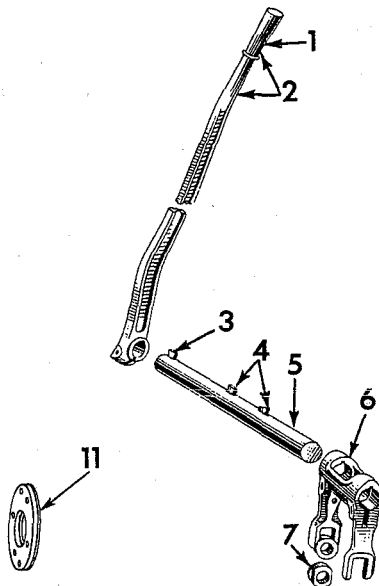
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(REV. NO. 5 5-63)



CLUTCH

ENGINE OVER-CENTER CLUTCH 13"
(Hand Operated) (Rockford Drilling Machine)



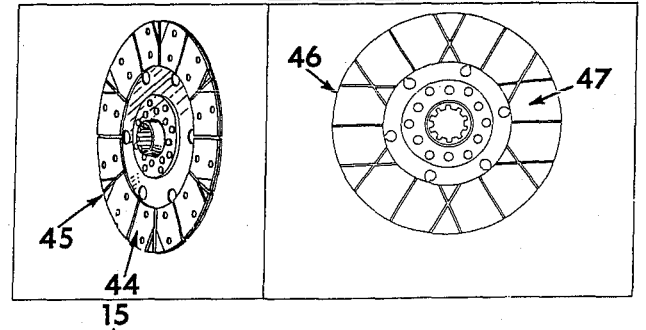
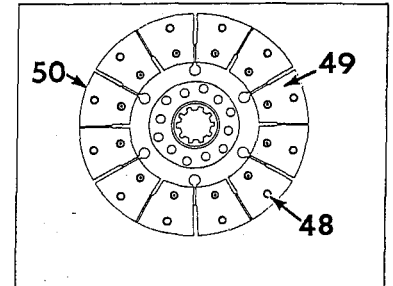
REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	41 597 DA	HANDLE, engine clutch hand lever
2	275 227 R11	LEVER w/HANDLE, 41 597 DA, engine clutch hand 1/2NF NUT 1/2NF x 2-1/2" hex-hd. cap SCREW 1/2" lock WASHER
3	103 909	KEY, 1/4 x 1-1/8" (Woodruff) (engine clutch hand lever)
4	103 462	KEY, 3/16 x 1" (Woodruff) (engine clutch release fork) (2)
5	53 494 D	SHAFT, engine clutch release
6	8 247 DB	FORK, engine clutch release 3/8NF x 1-1/2" hex-hd. cap SCREW (2) 3/8" lock WASHER (2)
7	51 227 DB	BUSHING, engine clutch release pin (2)

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CLUTCH

ENGINE OVER-CENTER CLUTCH 13" - CONTINUED
(Hand Operated) (Rockford Drilling Machine)



REF. NO.	I.H. PART NUMBER	DESCRIPTION
8	259 688 R1	PLATE, engine clutch shaft end 5/16NF x 1/2" hex-hd. cap SCREW (3) 5/16" lock WASHER (3)
9	54 969 D	BOLT, engine clutch coupling dowel (3) 7/16NF NUT (3) 7/16" lock WASHER (3)
10	266 457 R11	COUPLING, engine clutch
11	317 861 R1	FACING, brake clutch bearing (optional with 317 862 R1) (CL-11080-89)
11	317 862 R1	FACING, brake clutch bearing (optional with 317 861 R1) (CL-11080-81)
12	266 458 R1	RING, engine clutch coupling snap

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CLUTCH

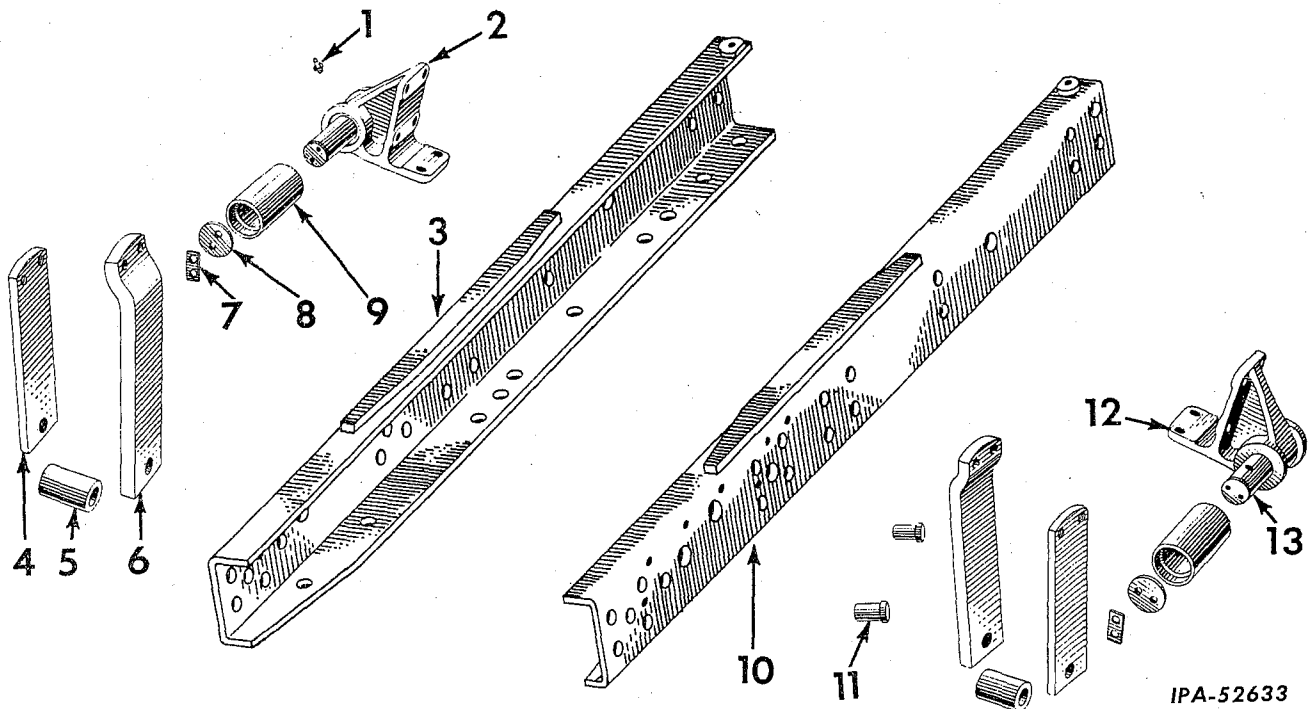
REF. NO.	I. H. PART NUMBER	DESCRIPTION
ENGINE OVER-CENTER CLUTCH 13" - CONTINUED (Hand Operated) (Rockford Drilling Machine)		
13	109 460	FITTING, engine clutch pilot bearing lubrication (Lincoln No. 5300) (optional with 271 284)
13	271 284	FITTING, engine clutch pilot bearing lubrication (Alemite No. 1612B) (optional with 109 460)
14	266 459 R1	SHAFT, engine clutch
15	317 859 R92	CLUTCH ASSEMBLY, less driven number (UCLA-4-10783) (will work for 304 775 R92) (Composed of -
	1 BEARING	972 386 R91
	1 BLOCK	267 665 R91
	1 CAMSHAFT	304 781 R92
	1 CARRIER	317 860 R91
	3 LINK	304 782 R1
	1 LOCK	264 679 R1
	1 PACKAGE	324 561 R91
	3 PIN	304 784 R2
	3 PIN	304 786 R1
	1 PLATE	31 238 DA
	1 PLATE	304 776 R1
	1 PLATE	304 777 R1
	1 RING	29 780 D
	1 RING	55 371 DA
	1 RING	304 780 R1
	2 SCREW	61 115 D
	1 SLEEVE	304 778 R92
	6 SPRING	304 785 R2
	3 STOP	304 787 R91
	6 WASHER	267 689 R1
	6 WASHER	615 029 R1)
	1/2 x 1-1/4" hex-hd. cap SCREW (6)	
	1/2" lock WASHER (6)	
16	55 371 DA	RING, adjusting (CL-4815-1)
17	31 238 DA	PLATE, adjusting ring (CL-3461-5)
18	317 860 R91	CARRIER w/PACKAGE, 324 549 R91 and six RIVET 96 189 R1, throw out bearing (CL-10742-1) (will work for 304 779 R2)
19	29 780 D	RING, snap (CL-3302)
20	972 386 R91	BEARING, throw out ball (CL-6644)
21	304 780 R1	RING, snap (CL-10206)
22	26 039 DA	BUSHING, release sleeve (CL-3110) (2)
23	304 778 R92	SLEEVE w/two BUSHING, 26 039 DA and FITTING, 271 281, release (UCL-10741)
24	271 281	FITTING, release sleeve lubrication (Alemite No. 1607B) (optional with 126 121)
24	126 121	FITTING, release sleeve lubrication (Lincoln No. 5003) (optional with 271 281)
25	304 776 R1	PLATE, back (CL-10783)
26	304 777 R1	PLATE, pressure (CL-10776)
27	267 665 R91	BLOCK, cam (set of 6) (UCL-3478-2-56)
	261 106 R1	SCREW, hex-hd. cap (CL-3921) (6)
		1/4" external-tooth lock WASHER (6)
28	324 561 R91	PACKAGE, link pin field service (UCL-9314-4)
29	304 782 R1	LINK, connecting (ACL-10744) (3)
30	304 784 R2	PIN, connecting link (short) (CL-10745) (3)
31	304 781 R92	CAMSHAFT w/three FITTING, 271 284 (UCLB-4337-35-53) (set of 3)
32	271 284	FITTING, camshaft lubrication (Alemite No. 1612B) (3)

CLUTCH

REF. NO.	I. H. PART NUMBER	DESCRIPTION
ENGINE OVER-CENTER CLUTCH 13" - CONTINUED (Hand Operated) (Rockford Drilling Machine)		
33	304 785 R2	SPRING, return (CL-10812-1A) (6)
34	304 786 R1	PIN, return spring retaining (CL-10813) (3)
35	304 787 R91	STOP, return spring (UCL-10814) (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 (CL-4347) (3)
39	267 689 R1	"X" WASHER, return spring retaining pin (CL-9318) (3)
40	61 115 D	SCREW, adjusting ring lock (CL-5215) (2)
41		NUT, 3/8NF (2)
42	264 679 R1	LOCK, adjusting ring (CL-9014)
44	324 998 R91	PACKAGE, driven member cerametallic facing field service (Consists of two cerametallic FACING and RIVET, 338 360 R1 (UCL-11415-90-CR2) (4)
	338 360 R1	RIVET, special (CL-10858-1) (4)
45	324 999 R91	MEMBER w/eight FACING and four RIVET, 338 360 R1, cerametallic driven (UCL-71-4541)
46	277 675 R91	ATTACHMENT, semi-metallic driven clutch member (UCL-45-4541) (See NOTES 1 and 3)
47	277 676 R91	PACKAGE, field service clutch facing (semi-metallic) (consists of two clutch FACING and twenty-six RIVET, 50 413 D) (UCL-7796-14-CR2)
48	250 263 R1	RIVET, clutch facing (CL-1011-5) (26)
49	277 422 R91	PACKAGE, field service clutch facing (bi-metallic) (consists of two clutch FACING and twenty-six RIVET, 250 263 R1) (UCL-11290-13-CR2)
50	277 421 R91	ATTACHMENT, bi-metallic driven clutch member (UCL-67-4541) (See NOTES 1 and 3)
51	303 766 R92	MEMBER w/two FACING and twenty-six RIVET, 96 189 R1, driven (UCL-64-4541)
52	313 528 R92	PACKAGE, field service, fermic facing (consists of two FACING and twenty-six RIVET, 350 263 R1) (UCL-11285-63-CR-2)
53	ST 211	BEARING, clutch pilot ball
	324 549 R91	PACKAGE, clutch brake facing field service (UCL-11080-81) (optional with 324 560 R91)
	324 560 R91	PACKAGE, clutch brake facing field service (UCL-11080-29) (optional with 324 549 R91)
	50 413 D	RIVET, clutch facing (CL-1011-5) (26)
	96 189 R1	RIVET, clutch bearing carrier (CL-60-58-1) (6)
	267 689 R1	"X" WASHER (connecting link pin) (CL-9318) (3)
	615 029 R1	WASHER (connecting link pin) (CL-4347) (3)
NOTE 1 - Factory Application - Order on Machine Order Form.		
NOTE 3 - Field Application - Order through Regular Service Parts Channels.		



MAIN FRAME

MAIN FRAME CHANNELS, TRACK FRAME GUIDE, ROLLERS
AND BRACKETS

IPA-52633

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	109 461	FITTING, track frame guide roller lubrication (Lincoln 105000) (optional with 138 322 H) (2)
1	138 322 H	FITTING, track frame guide roller lubrication (Alemite 1610-B) (optional with 109 461) (2)
2	275 184 R21	BRACKET, w/SHAFT, 47 978 D, LH track frame guide roller (together with four hex-hd cap SCREW, 5/8NF x 2", two hex-hd cap SCREW, 3/4NF x 3" and two NUT, 3/4NF will work for 275 184 R11) (not wide tread) 5/8NF NUT (6)) Used with 5/8NF x 1-3/4") BRACKET, hex-hd cap SCREW (6) 275 184 R11 5/8NF NUT (4)) 3/4NF NUT (2)) Used with 5/8NF x 2") BRACKET, hex-hd cap SCREW (4) 275 184 R21 3/4NF x 3") hex-hd cap SCREW (2))
2	275 186 R21	BRACKET w/SHAFT, 47 978 D, LH track frame guide roller (together with two hex-hd cap SCREW, 3/4NF x 3" and two NUT, 3/4NF will work for 275 186 R11) (wide tread) 5/8NF NUT (6)) 5/8NF x 1-3/4" hex-) Used with hd cap SCREW (2)) BRACKET, 5/8NF x 2" hex-hd) 275 186 R11 cap SCREW (4)) 5/8NF NUT (4)) 3/4NF NUT (2)) Used with 5/8NF x 2" hex-hd) BRACKET, cap SCREW (4)) 275 186 R21 3/4NF x 3" hex-hd) cap SCREW (2))

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MAIN FRAME

MAIN FRAME CHANNELS, TRACK FRAME GUIDE, ROLLERS
AND BRACKETS - CONTINUED

REF. NO.	I.H. PART NUMBER	DESCRIPTION
3	306 934 R12	CHANNEL, LH main frame side (together with four hex-hd cap SCREW, 5/8NF x 2", two hex-hd cap SCREW, 3/4NF x 3" and two NUT 3/4NF will work for 306 934 R11) (*)
3	307 158 R91	CHANNEL, LH main frame side (†) 5/8 x 1-1/2" hex-hd cap SCREW (4) 3/4 x 1-3/4" hex-hd cap SCREW (4) 7/8 x 2" hex-hd cap SCREW (4)
4	65 868 D	PLATE, inner frame guide (2) 5/8NF x 2" hex-hd. cap SCREW (4) 5/8" lock WASHER (4)
5	49 587 D	SPACER, track frame guide (2)
6	65 869 D	PLATE, outer track frame guide (2) 5/8 x 1-3/4" hex-hd. cap SCREW (4) 7/8 x 4-3/4" hex-hd. cap SCREW (2)
7	47 991 D	LOCK, track frame guide roller retaining washer (2)
8	47 990 D	WASHER, track frame guide roller retaining (2) 3/8NF x 3/4" hex-hd. cap SCREW (4)
9	47 979 D	ROLLER, track frame guide (2)
10	306 935 R12	CHANNEL, RH main frame side (together with four hex-hd cap SCREW, 5/8NF x 2" two hex-hd cap SCREW, 3/4NF and two NUT, 3/4NF will work for 306 935 R11) (*)
10	307 159 R91	CHANNEL, RH main frame side (†) 5/8 x 1-1/2" hex-hd cap SCREW (4) 3/4 x 1-3/4" hex-hd cap SCREW (4) 7/8 x 2" hex-hd cap SCREW (4)

(*) - Not used with rigid track frame equipped with large diameter front idler.

(†) - Used with rigid track frame equipped with large diameter front idler.

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MAIN FRAME

REF. NO.	I.H. PART NUMBER	DESCRIPTION
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MAIN FRAME CHANNELS, TRACK FRAME GUIDE, ROLLERS
AND BRACKETS - CONTINUED

11	48 074 D	DOWEL, main frame side channel (4)
12	275 185 R21	BRACKET w/SHAFT, 47 978 D, RH track frame guide roller (together with four hex-hd cap SCREW, 5/8NF x 2" two hex-hd cap SCREW, 3/4NF x 3" and two NUT, 3/4NF will work for 275 185 R11) (not wide tread)
		5/8NF NUT (6)) Used with
		5/8NF x 1-3/4 hex-hd cap SCREW (6)) BRACKET, 275 185 R11
		5/8NF NUT (4))
		3/4NF NUT (2)) Used with
		5/8NF x 2" hex-hd cap SCREW (4)) Bracket 275 185 R21
		3/4NF x 3" hex-hd cap SCREW (2))
12	275 187 R21	BRACKET, w/SHAFT, 47 978 D, RH track frame guide roller (together with two hex-hd cap SCREW, 3/4NF x 3" and two NUT, 3/4NF will work for 275 187 R11) (wide tread)
		5/8NF NUT (6))
		5/8NF x 1-3/4" hex-hd cap SCREW (2)) Used with BRACKET, 275 187 R11
		5/8NF x 2" hex-hd cap SCREW (4))
		5/8NF NUT (4))
		3/4NF NUT (2)) Used with
		5/8NF x 2" hex-hd cap SCREW (4)) BRACKET, 275 187 R21
		3/4NF x 3" hex-hd cap SCREW (2))
13	47 978 D	SHAFT, track frame guide roller (2)



MEMORANDA



MEMORANDA

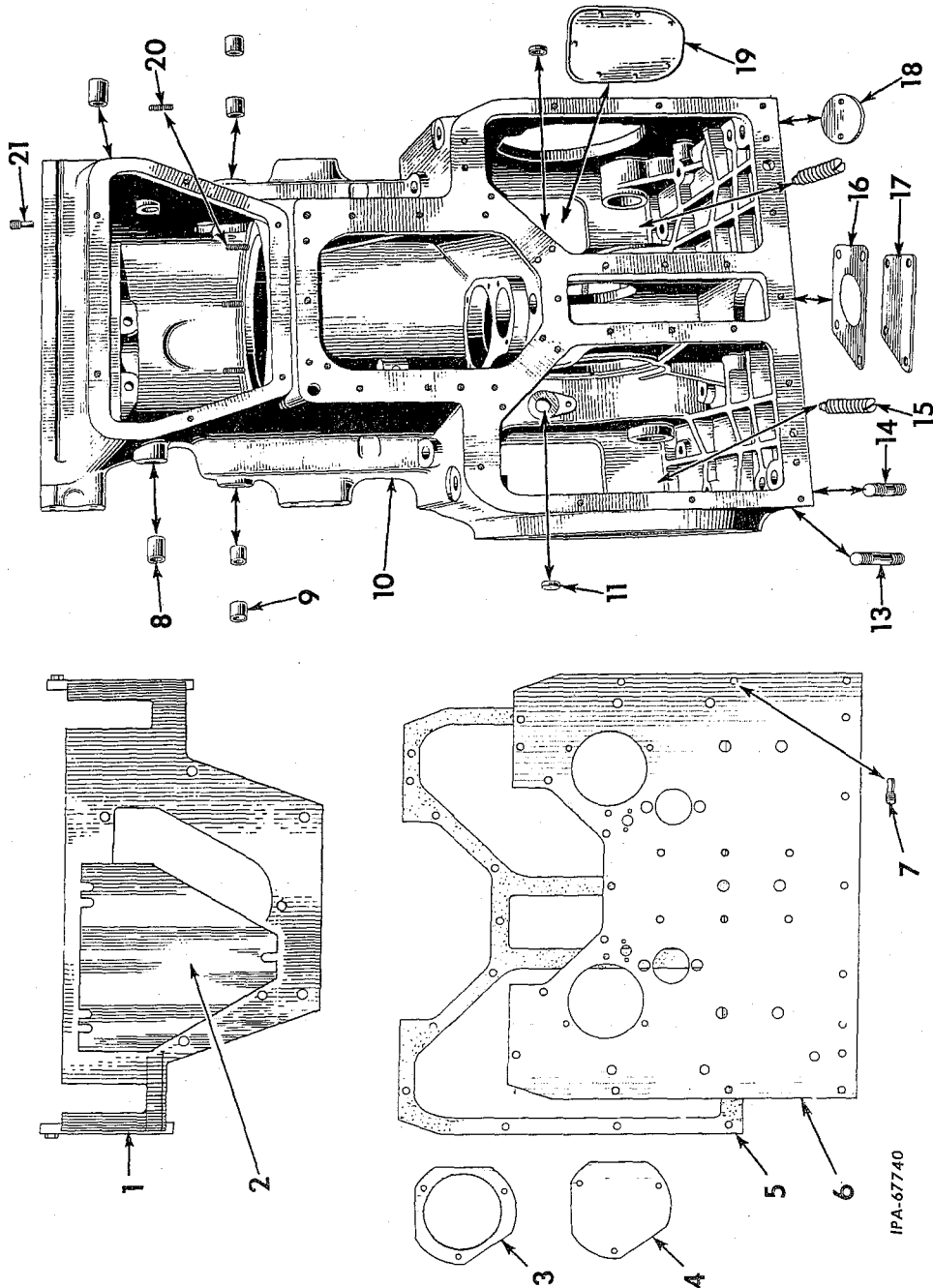


MEMORANDA

MAIN FRAME



MAIN FRAME



MAIN FRAME



MAIN FRAME - CONTINUED



MAIN FRAME

REF. NO.	I.H. PART NUMBER	DESCRIPTION
MAIN FRAME AND COVERS - CONTINUED		
1	275 200 R31	COVER, engine clutch (together with COVER, 331 496 R1 and GASKET, 331 497 R1, will work for 275 200 R21) 3/8" NUT (2) 3/8 x 1-3/4" hex-hd cap SCREW (2) 3/8 x 1" hex-hd cap SCREW (2) 3/8 x 3/4" hex-hd cap SCREW (4) 3/8" lock WASHER (8) 13/32 x 13/16 x .065" WASHER (2)
2	46 304 D	COVER, engine clutch inspection (used with COVER, 275 200 R21) 3/8 x 5/8" hex-hd cap SCREW (3) 3/8" lock WASHER (3)
2	331 496 R1	COVER, engine clutch inspection (used with COVER, 275 200 R31) 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	52 256 DA	GASKET, main frame cover
6	280 706 R11	COVER, main frame 7/16 x 1" hex-hd. cap SCREW (16) 7/16" lock WASHER (16)
7	18 585 DA	PIN, main frame cover dowel (2)
8	45 120 D	BUSHING, engine clutch release shaft (2)
9	46 332 D	BUSHING, steering brake operating shaft (4)
10	8 514 DHX	FRAME ASSEMBLY, 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 R1
	2	PIN 266 079 R1
	3	PLUG 271 647 R1
	1	PLUG 254 817 R92
	2	PLUG 41 600 D
	1	PLUG 271 601
	4	STUD 53 715 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)
271 647 R1		PLUG, 1" sq-socket pipe (2)
11	41 600 D	PLUG, steering brake pivot shaft cup (2)
12		Reference 12 not used
13	57 382 D	STUD, lower drawbar guide bracket (4)
14	57 383 D	STUD, upper drawbar guide bracket (2)
15	46 809 D	SCREW, track frame pivot shaft set (See NOTE) (2) 5/8" jam NUT (2)

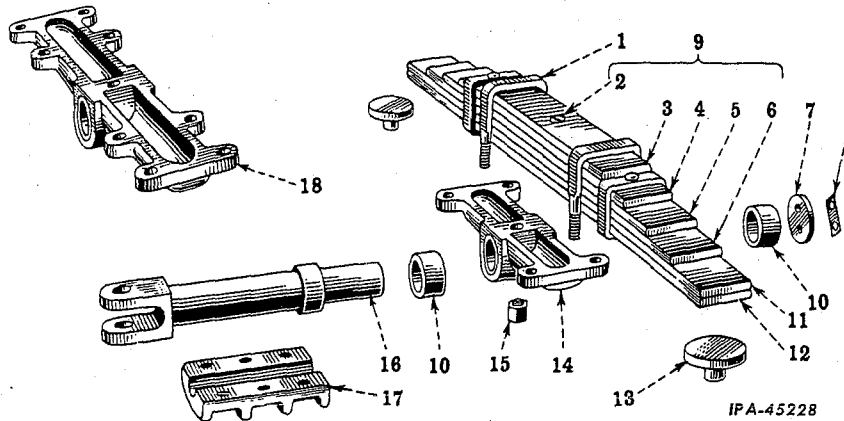


MAIN FRAME

REF. NO.	I.H. PART NUMBER	DESCRIPTION
MAIN FRAME AND COVERS - CONTINUED		
16	48 073 D	GASKET, power take-off cover
17	48 072 D	COVER, power take-off 5/8 x 1" hex-hd. cap SCREW (4)
18	275 066 R1	COVER, steering clutch lubrication port (2) 1/2 x 1" hex-hd. cap SCREW (4) 1/2" lock WASHER (4)
19	48 044 D	COVER, steering brake inspection (2) 3/8 x 1" hex-hd. cap SCREW (14) 3/8" lock WASHER (14)
20	53 715 D	STUD, transmission end cover (4)
21	266 079 R1	PIN, rear engine support dowel (2)
	272 527 R1	BOLT, equalizer spring pivot shaft cap (also listed with equalizer spring) (6)
	6 612 D	CAP, equalizer spring pivot shaft (also listed and illustrated with equalizer spring)
	276 611 R1	GASKET, engine clutch inspection cover (used with COVER, 46 304 D)
	331 497 R1	GASKET, engine clutch inspection cover (used with COVER, 331 496 R1)
	282 818 R1	GASKET, steering clutch lubrication port cover (2)
	13 044 R1	PIN, 3/16 x 3/4" cotter
	254 817 R92	PLUG w/PIN, 13 044 R1, 1/2" engine clutch compartment drain
	271 601	PLUG, drive bevel gear deflector set screw hole
	271 647 R1	PLUG, 1" drain (main frame)
§ - Not Furnished Separately. NOTE - Also listed under heading "Track Frame Pivot Shaft".		



MAIN FRAME

EQUALIZER SPRING
(Not Heavy Duty)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	53 898 DA	CLIP, equalizer spring (four required on wide tread) (2)
2	55 311 DX	BOLT w/NUT, center equalizer spring (35375)
3	54 029 D	LEAF, equalizer spring, No. 6 (wide tread) (51-79A-PLT-No. 6)
3	54 027 D	LEAF, equalizer spring, No. 6 (not wide tread) (51-78A-PLT-No. 6)
4	47 605 D	LEAF w/clinch CLIPS, equalizer spring No. 5 (not wide tread) (51-78A-PLT-No. 5)
4	47 610 D	LEAF w/clinch CLIPS, equalizer spring No. 5 (wide tread) (51-79A-PLT-No. 5)
5	47 609 D	LEAF, equalizer spring, No. 4 (wide tread) (51-79A-PLT-No. 4)
5	47 604 D	LEAF, equalizer spring, No. 4 (not wide tread) (51-78A-PLT-No. 4)
6	47 603 D	LEAF, equalizer spring, No. 3 (not wide tread) (51-78A-PLT-No. 3)
6	47 608 D	LEAF, equalizer spring, No. 3 (wide tread) (51-79A-PLT-No. 3)
7	254 923 R1	WASHER, equalizer spring retainer 1/2NF x 1-1/4" hex-hd. cap SCREW (2)
8	254 922 R1	LOCK, bolt, equalizer spring retaining washer
9	53 896 D	SPRING, equalizer (wide tread) (51-79A) (Composed of - 1 BOLT 55 311 DX 1 LEAF 47 607 D 1 LEAF 47 608 D 1 LEAF 47 609 D 1 LEAF 54 028 D 1 LEAF 54 029 D w/CLIPS 47 610 D)



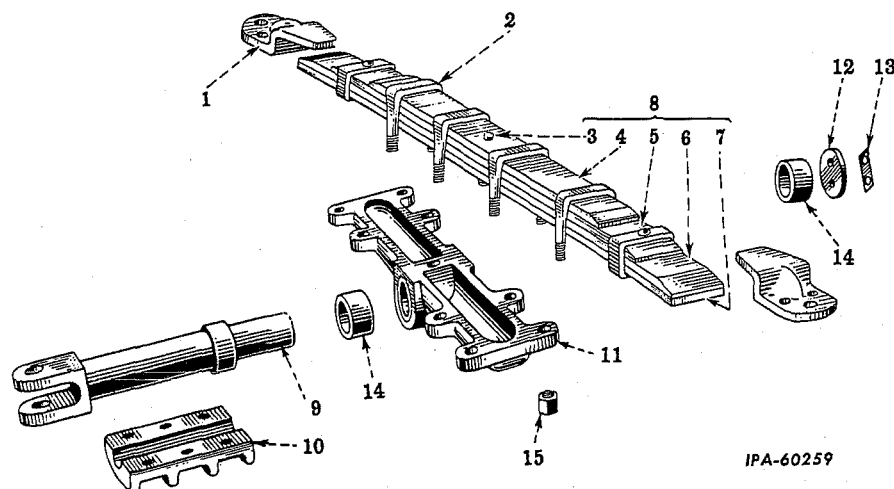
MAIN FRAME

EQUALIZER SPRING - CONTINUED
(Not Heavy Duty)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
9	53 897 D	SPRING, equalizer (not wide tread) (51-78A) (Composed of - 1 BOLT 55 311 DX 1 LEAF 47 602 D 1 LEAF 47 603 D 1 LEAF 47 604 D 1 LEAF 54 026 D 1 LEAF 54 027 D w/CLIPS 47 605 D)
10	47 594 DA	BUSHING, equalizer spring saddle (2)
11	54 026 D	LEAF, equalizer spring, No. 2 (not wide tread) (51-78A-PLT-No. 2)
11	54 028 D	LEAF, equalizer spring, No. 2 (wide tread) (51-79A-PLT-No. 2)
12	47 607 D	LEAF, equalizer spring, No. 1 (wide tread) (51-79A-PLT-No. 1)
12	47 602 D	LEAF, equalizer spring, No. 1 (not wide tread) (51-78A-PLT-No. 1)
13	8 493 DA	PAD, equalizer spring guide (2)
14	47 598 DAXA	SADDLE w/two BUSHINGS, 47 594 DA, equalizer spring (not wide tread)
15	41 842 D	NUT, equalizer spring clip (eight required on wide tread) (4)
16	254 921 R1	SHAFT, equalizer spring pivot (Used only with CROSSBAR, 281 093 R14)
16	274 102 R1	SHAFT, crossbar pivot (Used only with CROSSBAR, 303 514 R11)
17	6 612 D	CAP, equalizer spring pivot shaft
18	47 599 DAXA	SADDLE w/two BUSHINGS, 47 594 DA, equalizer spring (wide tread)
	272 527 R1	BOLT, equalizer spring pivot shaft cap (6) NUT, 1/2" spring center bolt (37105)



MAIN FRAME

EQUALIZER SPRING
(Heavy Duty)

IPA-60259

REF. NO.	I. H. PART NUMBER	DESCRIPTION
	255 332 R91	ATTACHMENT, heavy duty equalizer spring (wide tread) (See NOTES 1 and 3)
1	255 317 R1	BRACKET, equalizer spring rebound (2) 5/8 x 1-1/4" hex-hd. cap SCREW (2) 5/8 x 2" hex-hd. cap SCREW (4)
2	53 898 DA	CLIP, equalizer spring (4)
3	60 476 DX	BOLT w/NUT, equalizer spring 1/2NF NUT
4	255 327 R1	LEAF, equalizer spring No. 4
5	252 305 R1	LEAF, equalizer spring No. 3
6	255 303 R1	LEAF, equalizer spring No. 2
7	255 302 R1	LEAF, equalizer spring No. 1
8	255 316 R91	SPRING ASSEMBLY, heavy-duty equalizer (Composed of - 1 BOLT w/NUT 60 476 DX 1 LEAF 252 304 R1 1 LEAF 255 302 R1 1 LEAF 255 303 R1 1 LEAF 255 327 R1)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
9	254 921 R1	SHAFT, equalizer spring pivot (*)
10	6 612 D	CAP, equalizer spring pivot shaft (*)
11	47 599 DAXA	SADDLE w/BUSHING, 47 594 DA, equalizer spring (*)
12	254 923 R1	WASHER, equalizer spring retaining (*) 1/2NF x 1-1/4" hex-hd. cap SCREW (2)
13	254 922 R1	LOCK, equalizer spring retainer washer cap screw (*)
14	47 594 DA	BUSHING, equalizer spring saddle (2) (*)
15	41 842 D	NUT, equalizer spring clip (8) (*)

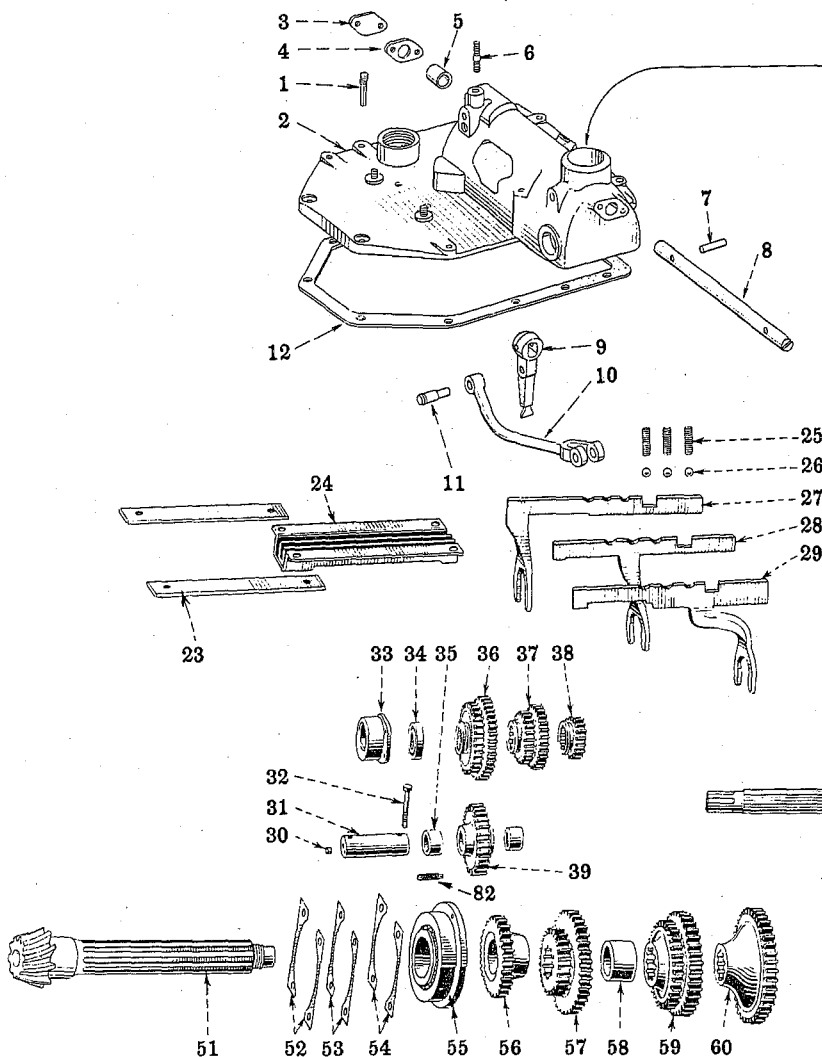
(*) - Not furnished with ATTACHMENT, 255 332 R91. Also illustrated with "Equalizer Spring (Not Heavy Duty)".

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

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

TRANSMISSION

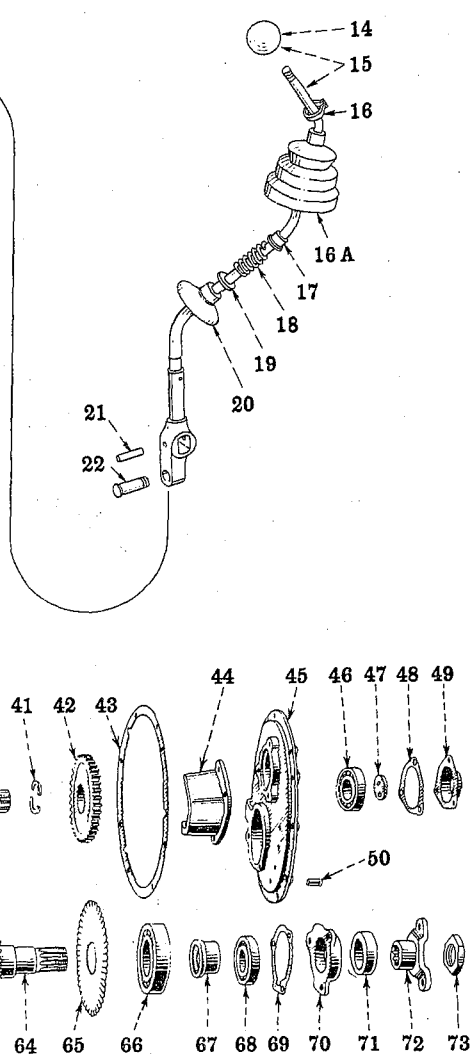
TRANSMISSION GEAR SHIFTER MECHANISM



IPA-52615 A

TRANSMISSION

TRANSMISSION GEAR SHIFTER MECHANISM - CONTINUED



Two-speed reverse transmission attachment

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	18 585 DA	DOWEL, transmission gear shifter housing main frame (2)
2	275 738 R11	HOUSING ASSEMBLY, transmission gear shifter (not odometer attachment)
(Composed of -		
	2	ANCHOR 50 826 D
	1	BUSHING 276 156 R1
	§1	HOUSING
	1	STUD 41 633 D)
		7/16 x 1-1/4" hex-hd. cap SCREW (4)
		7/16 x 1-1/2" hex-hd. cap SCREW (5)
		7/16 x 3" hex-hd. cap SCREW (2)
		7/16" lock WASHER (11)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
3	275 226 R1	COVER, transmission gear shift lever shaft end (2)
		3/8 x 5/8" hex-hd. cap SCREW (4)
		3/8" lock WASHER (4)
4	275 225 R1	GASKET, transmission gear shift lever shaft end cover (2)
5	276 156 R1	BUSHING, shifter lever shaft
6	41 633 D	STUD, platform
§ - Not Furnished Separately.		



TRANSMISSION

REF. NO.	I.H. PART NUMBER	DESCRIPTION
TRANSMISSION GEAR SHIFTER MECHANISM - CONTINUED		
7	277 037 R1	PIN, transmission gear shift hand lever upper
8	275 744 R2	SHAFT, transmission gear shift lever upper
9	275 747 R12	LEVER w/PIN, 275 748 R2, transmission gear shift
10	275 745 R11	LINK w/CLEVIS, transmission gear shift selector
11	275 748 R2 148 152	PIN, transmission gear shift lever lower SPRING, 1/2" retainer
12	53 486 D	GASKET, transmission gear shifter housing
13	53 683 DA	ROD w/PLUG and SHIELD, transmission oil level
14	264 055 R2	BALL, transmission gear shift hand lever
15	275 739 R12	LEVER, transmission gear shift hand
16	64 604 D	CLAMP, transmission gear shift hand lever boot
16A	275 742 R1	BOOT, transmission gear shift hand lever
17	11 373 D	STOP, transmission gear shift hand lever swivel shield spring upper 3/16 x 1-1/4" rd-hd. RIVET (iron)
18	29 547 D	SPRING, transmission gear shift hand lever swivel shield
19	17 700 D	STOP, transmission gear shift hand lever swivel shield spring lower
20	275 743 R1	SHIELD, transmission gear shift hand lever swivel
21	277 037 R1	PIN, transmission gear shift hand lever upper
22	275 746 R1 148 152	PIN, transmission gear shift hand lever lower SPRING, 1/2" retainer
23	62 779 D	LOCK, gear shifter rail guide support bolt (2)
24	69 466 DA	GUIDE, gear shifter rail 3/8 x 3/4" hex-hd. cap SCREW (4)
25	64 163 D	SPRING, gear shifter rail poppet (3)
26	D 2 616	POPPET, gear shifter rail (grade 3, 1/2" steel ball) (optional with 13 722 D) (3)
26	13 722 D	POPPET, gear shifter rail (grade 4, 1/2" steel ball) (optional with D 2 616) (3)
27	53 480 DA	RAIL and FORK, fourth and fifth gear shifter
28	53 481 DA	RAIL and FORK, second and third gear shifter
29	69 464 DB	RAIL and FORK, low and reverse gear shifter
30	45 361 D	PLUG, transmission reverse idler gear shaft



TRANSMISSION

REF. NO.	I.H. PART NUMBER	DESCRIPTION
TRANSMISSION (Five Speeds Forward, One Reverse)		
31	46 905 DX	SHAFT w/PLUG, 45 361 D, transmission reverse idler gear
32	4 457 D	BOLT, transmission reverse idler gear shaft 3/8NF slt-hex. NUT 3/32 x 3/4" cotter PIN
33	6 477 DB	CAGE, transmission spline shaft rear bearing 3/8 x 7/8" hex-hd. cap SCREW (2) 3/8" lock WASHER (2)
34	272 478 R91	BEARING, transmission spline shaft rear
35	46 904 DR	BUSHING, transmission reverse idler gear (2)
36	271 861 R1	GEAR, sliding transmission fourth and fifth speed (33 and 38 T) (†) (*)
37	63 256 DA	GEAR, sliding transmission second and third speed (24 and 29 T) (†) (*)
38	258 626 R3	GEAR, transmission first and reverse speed sliding (19 T)
39	52 237 DAX	GEAR w/two BUSHING, 46 904 DR, transmission reverse idler (33 T) (†) (*)
40	258 625 R2	SHAFT, transmission spline
41	53 632 D	COLLAR, transmission driven gear split half (2)
42	52 211 D	GEAR, transmission driven (39 T) (†) (*)
43	46 918 D	GASKET, transmission end cover
44	8 779 D	POCKET, transmission end cover oil 5/16 x 7/8" hex-hd. cap SCREW (3) 5/16" lock WASHER (3)
45	6 480 DC	COVER, transmission end 7/16NF NUT (4) 7/16 x 1-1/4" hex-hd. cap SCREW (4) 7/16" lock WASHER (8)
46	ST 238	BEARING, transmission spline shaft front
47	45 357 D	WASHER, transmission spline shaft bearing retainer front 7/16 x 1" hex-hd. cap SCREW (2) 7/16" external-tooth lock WASHER (2)
48	46 913 D	GASKET, transmission spline shaft front bearing retainer
49	46 912 D	RETAINER, transmission spline shaft bearing front 3/8 x 3/4" hex-hd. cap SCREW (3) 3/8" lock WASHER (3)
50	45 132 D	PIN, transmission end cover dowel
51	279 337 R1	PINION and SHAFT, bevel (9 T) (will work for 271 859 R1)
51	279 339 R91	PINION and SHAFT, bevel, 279 337 R1 w/GEAR, 279 338 R1 (matched pair) (See NOTE)

(†) - Not used with two speed reverse transmission

(*) - Not used with two speed reverse transmission attachment on equipment combinations.

NOTE - Also listed and illustrated under heading STEERING SYSTEM - "Drive Bevel Gear".



TRANSMISSION

REF. NO.	I. H. PART NUMBER	DESCRIPTION
TRANSMISSION (Five Speeds Forward, One Reverse)		
52	53 635 D	SHIM, bevel pinion and shaft rear bearing cage (heavy) (X)
53	53 636 D	SHIM, bevel pinion and shaft rear bearing cage (medium) (X)
54	53 637 D	SHIM, bevel pinion and shaft rear bearing cage (light) (X)
54	250 307 R1	SHIM, bevel pinion and shaft rear bearing cage (extra light) (X)
55	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)
56	271 860 R1	GEAR, transmission fourth speed (32 T)
57	52 213 DA	GEAR, transmission second and fifth speed (27 and 41 T) (†) (#)
58	46 859 D	SPACER, bevel pinion shaft
59	63 255 DA	GEAR, transmission third and reverse speed (36 and 41T) (†) (#)
60	52 215 DA	GEAR, transmission first speed (46 T)
62	279 733 R1	NUT, bevel pinion and shaft lock
63	324 119 R91	BEARING, bevel pinion shaft front (will work for ST-200) (†) (#)
64	262 751 R2	SHAFT and GEAR, transmission driving (26 T) (†) (#)
65	262 752 R1	SLINGER, transmission oil
66	272 480 R91	BEARING, transmission driving shaft rear
67	6 478 D	SPACER, transmission driving shaft bearing
68	ST 238	BEARING, transmission driving shaft front
69	46 916 D	GASKET, transmission driving shaft bearing retainer front
70	6 479 DB	RETAINER, transmission driving shaft bearing front 3/8 x 1" hex-hd. cap SCREW (3) 3/8" lock WASHER (3)
71	310 508 R91	OIL SEAL, transmission driving shaft (will work for 279 749 R91)
72	52 208 D	COUPLING, transmission drive
73	255 630 R1	NUT, transmission drive coupling retaining
74	260 153 R1	GEAR, transmission second and high reverse sliding (24 and 28 T) (*) (-)
75	260 151 R1	GEAR, transmission high and low reverse speed (41 T) (*) (-)
76	279 433 R1	SLEEVE, reverse idler gear shaft (*) (-)
77	279 427 R1	RING, high and low reverse idler gear snap (*) (-) (2)
78	313 946 R91	BEARING, high and low reverse idler gear (*) (-) (2)
79	279 432 R1	SPACER, high and low reverse idler gear (*) (-) TD-92 501 to 1822
79	311 277 R1	SPACER, high and low reverse idler gear TD-92 1823 Up (*) (-)



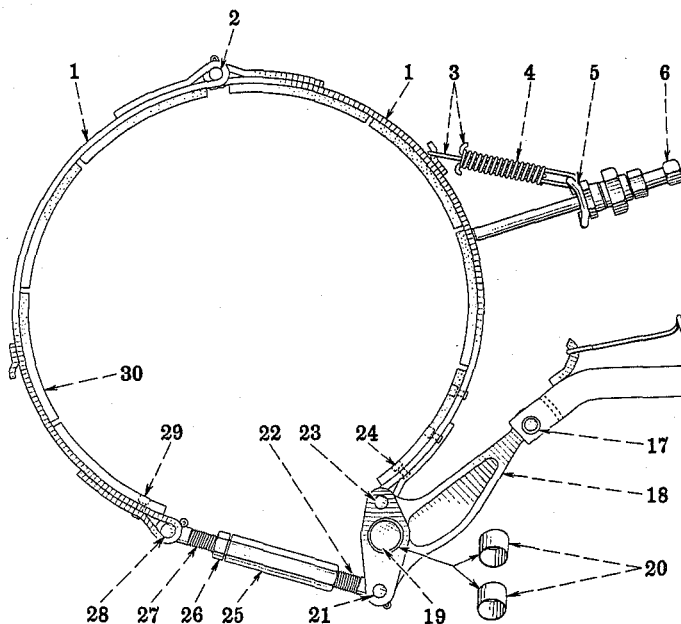
TRANSMISSION

REF. NO.	I. H. PART NUMBER	DESCRIPTION
TRANSMISSION - CONTINUED (Five Speeds Forward, One Reverse)		
80	279 431 R2	GEAR, high and low reverse idler (24 and 33 T) (together with 311 277 R1, 311 278 R1 and 311 279 R1, will work for 279 431 R1) (*) (-)
81	279 435 R11	SHAFT w/PLUG, 45 361 D, reverse idler gear (*) (-)
82	279 434 R92	STRAINER, oil reverse idler
83	307 157 R1	GEAR, third and fourth speed sliding (33 and 41 T) (*) (-)
84	307 156 R1	GEAR, transmission second and fourth speed (24 and 41 T) (*) (-)
85	307 819 R91	BEARING, bevel pinion shaft front (*) (-)
86	307 082 R1	SHAFT, transmission driving (23 T) (*) (-)
87	307 155 R1	GEAR, transmission driven (42 T) (*) (-)
	307 074 R91	ATTACHMENT, two speed reverse transmission Factory Application - Order on Machine Order Form. Field Application - Order through Regular Service Parts Channels. (Composed of - 1 CLIP 311 279 R1 1 DECAL 2 750 008 R1 2 BEARING 313 946 R91 1 BEARING 307 819 R91 1 GASKET 46 913 D 1 GASKET 46 918 D 1 GASKET 53 486 D 1 GEAR 260 151 R1 1 GEAR 260 153 R1 1 GEAR 279 431 R2 1 GEAR 307 155 R1 1 GEAR 307 156 R1 1 GEAR 307 157 R1 2 RING 279 427 R1 1 SHAFT 279 435 R11 1 SHAFT 307 082 R1 1 SLEEVE 279 433 R1 1 SPACER 279 432 R1 1 WASHER 311 278 R1)
	50 826 D	ANCHOR, steering clutch release lever return spring (2)
	311 279 R1	CLIP, high and low reverse idler gear thrust washer stop
	2 750 005 R1	DECALCOMANIA, shifting diagram (†) (#)
	2 750 008 R1	DECALCOMANIA, shifting diagram (*) (-)
	279 338 R1	GEAR, drive bevel (38 T) (See NOTE)
	175 529	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".		
(#) - Not used with two speed reverse transmission attachment on equipment combinations.		
(-) - Used with two speed reverse transmission attachment on equipment combinations.		
(†) - Not used with two speed reverse transmission attachment.		
(*) - Used with two speed reverse transmission attachment.		
X - As Required.		



STEERING SYSTEM

STEERING BRAKES AND CONTROL

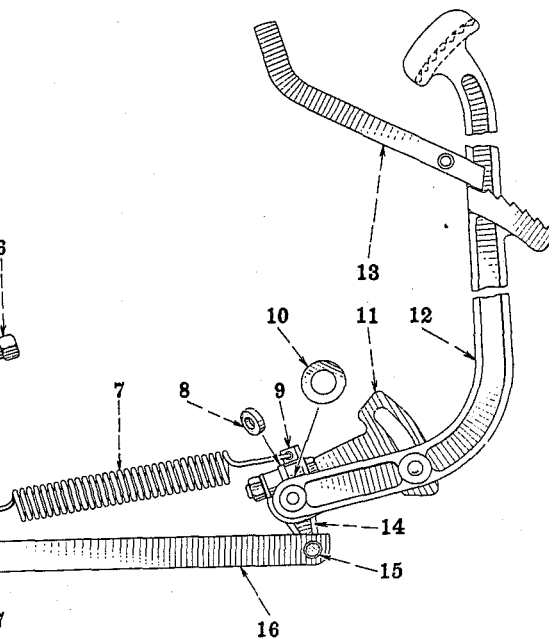


REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	274 160 R91	BAND w/four LINING, twenty-two RIVETS 269 164 R1 and two RIVETS, 274 164 R1, steering brake (4)
2	274 165 R1	PIN, steering brake band joint (2) 1/8 x 1-1/8" cotter PIN (2)
3	269 178 R1	HOOK, steering brake band anchor spring (4)
4	269 177 R1	SPRING, steering brake band anchor (2)
5	43 664 DC	ANCHOR, steering brake return spring (2) 1" jam NUT (2)
6	53 490 D	SCREW, steering brake band set (2) 5/8" NUT (2)
7	53 495 D	SPRING, steering brake rod return (2)
8	20 841 D	KEY, steering brake lever (2)
9	53 497 D	ANCHOR, steering brake rod return spring (2)
10	41 519 D	SEAL, steering brake pedal shaft dirt (2)
11	53 503 DA	SHAFT and ADJUSTER, LH steering brake pedal
11	53 504 DA	SHAFT and ADJUSTER, RH steering brake pedal
12	275 179 R1	PEDAL, LH steering brake
12	275 180 R1	PEDAL, RH steering brake 1/2NF x 1-1/2" hex-hd. cap SCREW 1/2NF x 2-3/4" hex-hd. cap SCREW 1/2" lock WASHER (2)
13	304 768 R91	PAWL, LH steering brake ratchet
13	304 769 R91	PAWL, RH steering brake ratchet 1/8 x 5/8" cotter PIN



STEERING SYSTEM

STEERING BRAKES AND CONTROL - CONTINUED



IPB-9570

REF. NO.	I. H. PART NUMBER	DESCRIPTION
14	8 444 DA	LEVER, steering brake (2) 1/2 x 2-1/4" hex-hd. cap SCREW (2) 1/2NF NUT (2) 1/2" lock WASHER (2)
15		PIN, 1/2 x 1-27/64" 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)



STEERING SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
STEERING BRAKES AND CONTROL - CONTINUED		
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)
	18 275 R91	FITTING, steering brake pedal shaft lubrication (Alemite 1623-B) (2)

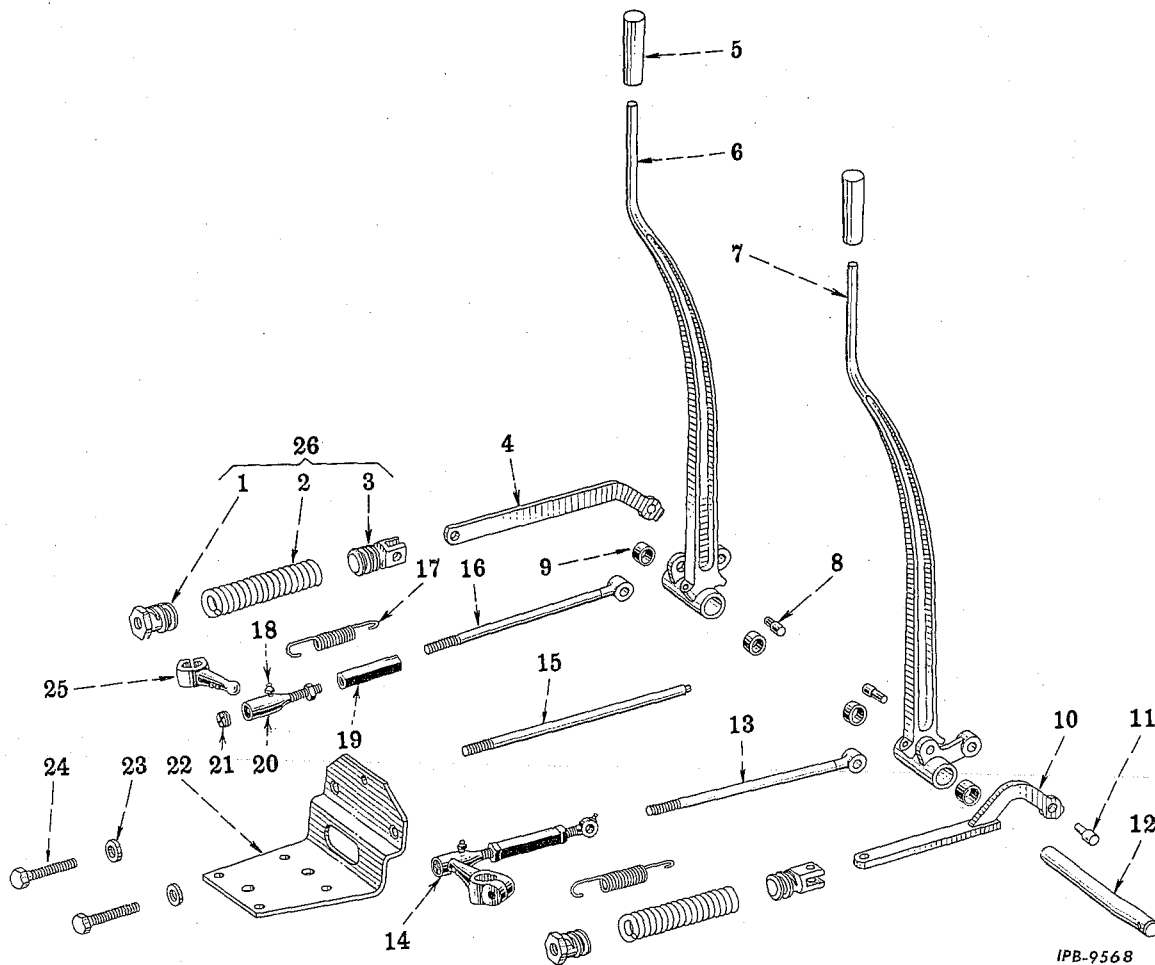
STEERING CLUTCH CONTROLS



STEERING SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
STEERING BRAKES AND CONTROL — CONTINUED		
53 514 DA	LOCK, steering brake pedal adjuster (2)	
274 166 R91	PACKAGE, steering brake band lining field service (consists of four LINING, twenty-two RIVET, 269 164 R1 and two RIVET, 274 164 R1) (4)	
274 699 R1	SPACER, steering brake pivot lever (2)	
277 209 R1	STUD, steering brake pivot shaft (will work for 46 025 D) (2) 1/2" lock WASHER (2)	

STEERING CLUTCH CONTROLS



REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	275 219 R1	NUT, steering clutch hand lever booster spring adjuster (2)
2	275 218 R1	SPRING, steering clutch hand lever booster (2)
3	275 220 R1	YOKE, steering clutch hand lever booster spring (2)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
4	275 715 R1	LINK, LH steering clutch hand lever booster spring 1/8 x 1" cotter PIN 23/32 x 1-3/8" x No. 13 ga. WASHER
5	41 597 DA	HANDLE, steering clutch hand lever (2)



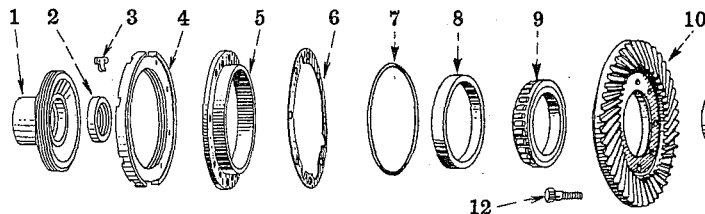
STEERING SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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STEERING CLUTCH CONTROLS - CONTINUED

6	278 140 R11	LEVER ASSEMBLY, LH steering clutch hand (Composed of - 2 BUSHING 42 175 D 1 EYE 275 784 R1 1 HANDLE 41 597 DA §1 LEVER 1 PIN 59 310 D 1 PIN 257 620 R1) 7/16" NUT 7/16 x 1-1/2" hex-hd. cap SCREW
7	278 141 R11	LEVER ASSEMBLY, RH steering clutch hand (Composed of - 2 BUSHING 42 175 D 1 EYE 275 785 R1 1 HANDLE 41 597 DA §1 LEVER 1 PIN 59 310 D 1 PIN 257 620 R1) 7/16" NUT 7/16 x 1-1/2" hex-hd. cap SCREW
8	59 310 D	PIN, steering clutch operating turnbuckle eye (2)
9	42 175 D	BUSHING, steering clutch hand lever (4)
10	275 716 R91	LINK, RH steering clutch hand lever booster spring 1/8 x 1" cotter PIN 23/32 x 1-3/8" x No. 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 5/8" jam NUT (2)
16	275 784 R1	EYE, LH steering clutch operating turnbuckle 5/8NF jam NUT (LH thread)
17	59 315 D	SPRING, steering clutch release lever return (2)

DRIVE BEVEL GEAR



REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	271 855 R3	ADJUSTER, drive bevel gear bearing (2)



STEERING SYSTEM

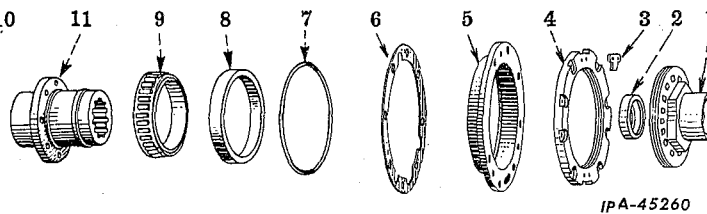
REF. NO.	I. H. PART NUMBER	DESCRIPTION
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STEERING CLUTCH CONTROLS - CONTINUED

18	138 322 H	FITTING, steering clutch operating turnbuckle socket lubrication (Alemite No. 1610-B) (optional with 109 461) (2)
18	109 461	FITTING, steering clutch operating turnbuckle socket lubrication (Lincoln No. 105000) (optional with 138 322 H) (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 7/16 x 1-1/4" hex-hd. cap SCREW (4) 7/16" lock 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 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)
	138 322 H	FITTING, steering clutch hand lever lubrication (Alemite 1610-B) (optional with 109 461) (2)
	109 461	FITTING, steering clutch hand lever lubrication (Lincoln 105010) (optional with 138 322 H) (2)
	271 287	FITTING, steering clutch operating turnbuckle eye lubrication (Alemite 1641-B) (optional with 109 454) (2)
	109 454	FITTING, steering clutch operating turnbuckle eye lubrication (Alemite 15010) (optional with 271 287)

§ - Not Furnished Separately

DRIVE BEVEL GEAR - CONTINUED



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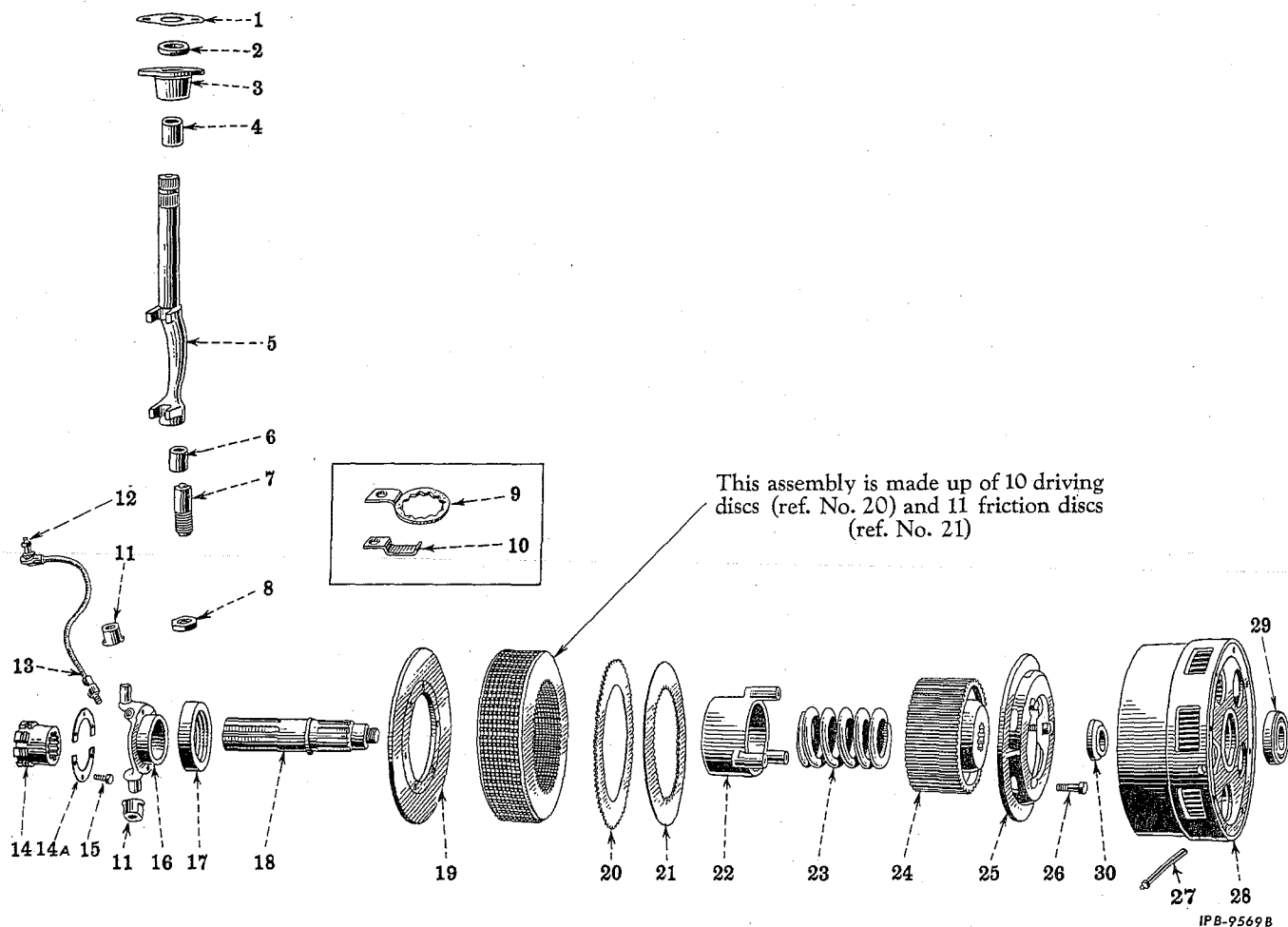
REF. NO.	I. H. PART NUMBER	DESCRIPTION
2	313 913 R91	OIL SEAL, steering clutch shaft coupling (will work for 279 493 R92 and 310 523 R91) (2)



STEERING SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
DRIVE BEVEL GEAR - CONTINUED		
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 (4) WIRE, bulk locking (No. 16 ga.) (customer must specify amount required)
4	271 856 R2	RING, drive bevel gear bearing adjuster (2)
5	271 854 R1	CAGE, drive bevel gear bearing (2)
6	254 970 R1	GASKET, drive bevel gear bearing cage (2)
7	271 857 R2	RING, drive bevel gear bearing adjuster sealing (2)
8	272 120 R1	CUP, drive bevel gear bearing (2)
9	272 119 R91	CONE, drive bevel gear bearing (2)
10	279 338 R1	GEAR, drive bevel (38 T)

STEERING CLUTCH, RELEASE SHAFT AND MECHANISM



STEERING SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
DRIVE BEVEL GEAR - CONTINUED		
11	271 853 R1	HUB, drive bevel gear
12	274 075 R2	BOLT, drive bevel gear dowel (6)
	274 864 R1	BOLT, drive bevel gear bearing cage and adjuster RING (16)
	25 079 D	NUT, drive bevel gear dowel bolt (6)
	279 339 R91	PINION and SHAFT, bevel, 279 337 R1 w/drive bevel GEAR, 279 338 R1 (matched pair) (See NOTE)
	279 337 R1	PINION and SHAFT, bevel (9 T) (See NOTE)
NOTE - Also illustrated and listed under heading "Transmission Gear Shifter Mechanism."		

STEERING CLUTCH, RELEASE SHAFT AND MECHANISM - CONTINUED



STEERING SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
STEERING CLUTCH RELEASE SHAFT AND MECHANISM - CONTINUED		
1	46 040 D	RETAINER, steering clutch release shaft bearing felt (2) 7/16 x 1-1/4" hex-hd. cap SCREW (4) 7/16" lock WASHER (4)
2	46 038 D	FELT, steering clutch release shaft bearing (2)
3	6 376 DAX	BEARING w/BUSHING, 53 597 D, steering clutch release shaft (2)
4	53 597 D	BUSHING, steering clutch release shaft (2)
5	55 959 DD	FORK w/BUSHING, 55 955 DA and FITTING, 138 322 H, steering clutch release (2)
6	55 955 DA	BUSHING, steering clutch release fork pivot (2)
7	55 954 DA	PIVOT, steering clutch release fork (2)
8	47 726 D	NUT, steering clutch release fork pivot lock (2)
9	60 096 D	LOCK, steering clutch release fork pivot nut (2)
10	60 095 D	LOCK, steering clutch release fork pivot (2) 1/2 x 1" hex-hd. cap SCREW (2) 1/2" lock WASHER (2)
11	42 298 DB	BUSHING, steering clutch release pin (4)
12	18 275 R91	FITTING, steering clutch release bearing lubrication (Alemite 1623-B) (2)
13	52 244 DX 13 243 R1	TUBE w/COUPLING and BRACKET, steering clutch release bearing grease (2) BOLT, 1/4 x 3/4" sq-hd. mach. (4) 1/4" NUT (4) 1/4" lock WASHER (4)
14	254 967 R21	COUPLING w/PLUG, 324 745 R1, steering clutch shaft (6 T) (2)
14A	254 968 R1	RETAINER, steering clutch shaft coupling (4)
15	260 613 R1	BOLT, steering clutch shaft coupling retainer (12)
16	52 243 DAX	COLLAR w/PLUG, 103 883, steering clutch release (2)
17	55 745 D	BEARING, steering clutch release thrust (Aetna A-1555) (2)
18	258 277 R3	SHAFT, steering clutch (2)
19	6 470 D	PLATE, steering clutch hub (2) 7/16 x 1" hex-hd. cap SCREW (12) 7/16" lock WASHER (12)
20	46 826 D	DISC, steering clutch driving (20)
21	46 825 D	DISC, steering clutch friction (not used with ATTACHMENT 320 398 R91) (22)
21	320 395 R91	DISC, steering clutch friction (used with ATTACHMENT 320 398 R91) (24)
22	8 236 DA	RETAINER, steering clutch pressure spring (2)
23	54 610 DB	SPRING, steering clutch pressure (2)
24	8 238 DB	HUB, steering clutch (2)
25	8 237 DB	PLATE, steering clutch pressure (2)
26		SCREW, 1/2 x 1-1/4" hex-hd cap (6) 1/2" lock WASHER (6)
27	46 831 D	FITTING, steering clutch pilot bearing lubrication (2)



STEERING SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
STEERING CLUTCH RELEASE SHAFT AND MECHANISM - CONTINUED		
28	8 235 D	DRUM, steering clutch (2) 7/16NF x 1" hex-hd. cap SCREW (16) 7/16" external tooth lock WASHER (16)
29	ST 333	BEARING, steering clutch pilot (2)
30	52 239 D	SPACER, steering clutch pilot bearing (2)
	138 322 H	FITTING, steering clutch release fork lubrication (Alemite 1610-B) (optional with 109 461) (2)
	109 461	FITTING, steering clutch release fork lubrication (Lincoln 105000) (optional with 138 322 H) (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" hds. steering clutch release collar pipe (2)
	324 745 R1	PLUG, steering shaft coupling (2)
		WIRE, locking (16 ga. x 8" long) (steering clutch shaft coupling bolt) (order 278 027 R91) (6)
	278 027 R91	WIRE, locking bulk (16 ga.) (customer must specify length required) (X)
	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)

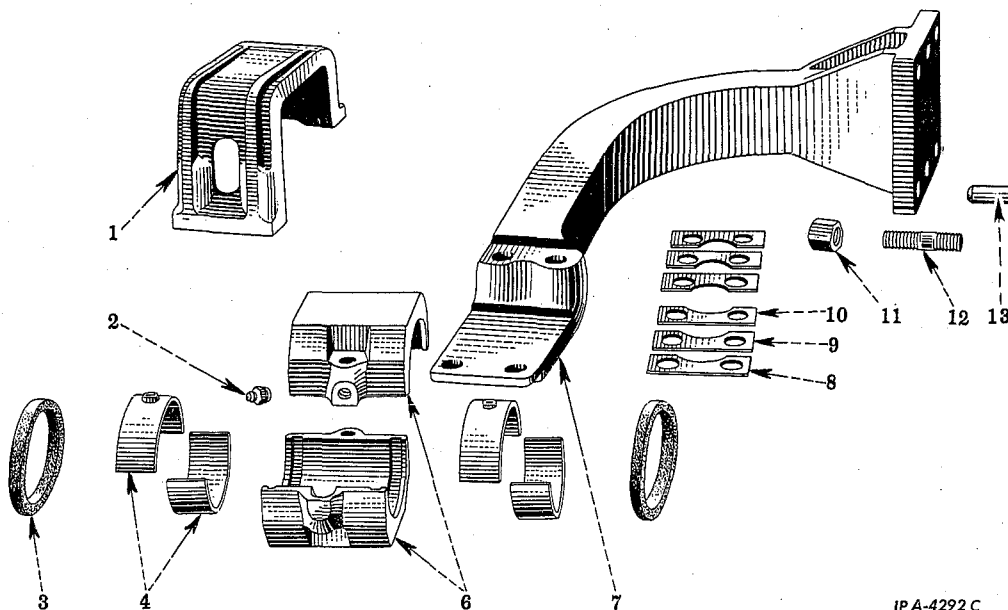
NOTE 3 - Field Application - Order through regular service parts channels.

X - As Required



TRACK DRIVE

TRACK FRAME DIAGONAL BRACE (Not Rigid Track Frame)



IPA-4292 C

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	8 471 DA	CLAMP, track frame diagonal brace (2) 5/8 x 1-1/2" hex-hd. cap SCREW (4) 5/8 x 3-1/4" hex-hd. cap SCREW (4)
2	138 322 H	FITTING, track frame diagonal brace bearing lubrication (Alemite 1610-B) (optional with 109 461) (2)
2	109 461	FITTING, track frame diagonal brace bearing lubrication (Lincoln 105000) (optional with 138 322 H)
3	53 656 D	FELT, track frame diagonal brace bearing (4)
4	57 239 D	BUSHING, track frame diagonal brace bearing (set of four) (2)
6	57 235 DA	BEARING SET, track frame diagonal brace (upper and lower) (2) 7/16NF NUT (4) 7/16NF x 3" hex-hd. cap SCREW (4) 7/16" external-tooth lock WASHER (4)
7	258 297 R4	BRACE, LH track frame diagonal (not wide tread)
7	258 298 R4	BRACE, RH track frame diagonal (not wide tread)
7	258 299 R4	BRACE, LH track frame diagonal (wide tread)
7	258 300 R4	BRACE, RH track frame diagonal (wide tread)
8	47 780 D	SHIM, track frame diagonal brace clamp (light) (8)
9	47 779 D	SHIM, track frame diagonal brace clamp (medium) (4)
10	47 778 D	SHIM, track frame diagonal brace clamp (heavy) (4)

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TRACK DRIVE

TRACK FRAME DIAGONAL BRACE - CONTINUED (Not Rigid Track Frame)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
11	45 293 D	NUT, track frame diagonal brace stud (8) 3/4" lock WASHER (8)
12	63 265 D	STUD, track frame diagonal brace (8) (*)
12	311 139 R1	STUD, track frame diagonal brace (8) (†)
13	266 064 R1	PIN, track frame diagonal brace dowel (4) 1NF x 3/4" hex-soc-hd. cup-pt. set SCREW (4)

(*) - Not used on units equipped with diagonal Brace, 258 297 R4, 258 298 R4, 258 299 R4 and 258 300 R4.

(†) - Used on units equipped with diagonal Brace, 258 297 R4, 258 298 R4, 258 299 R4 and 258 300 R4.

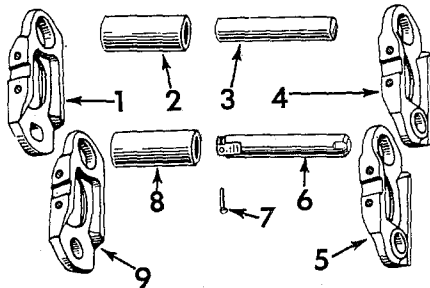
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(REV. NO. 4 11-62)



TRACK DRIVE

TRACK ASSEMBLY



IPA-56272 A

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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(X) - KEY TO UNITS

- A - Service parts for tracks assembly used with standard (4 roller) track frame.
- B - Service parts for track assembly used with rigid and extended (5 roller) track frame.
- C - Service parts for track assembly used with rigid extended (5 roller) track frame equipped with large diameter front idler.
- D - Service parts for track assembly used with rigid extended (6 roller) track frame equipped with large diameter front idler.

(X) - Letters of these units correspond with those shown following the description of the parts in the list below and identifies the unit for which the part is used. Items without letters after the description indicates the part is used for all units.

1	316 841 R1	LINK, LH master track (will work for 263 971 R1) (2)
2	263 973 R2	BUSHING, track link (64 for Unit A) (70 for Unit B) (76 for Units C and D)
3	263 975 R1	PIN, track link (64 for Unit A) (70 for Unit B) (76 for Units C and D)
4	316 842 R1	LINK, RH master track (will work for 263 972 R1) (2)
5	316 839 R1	LINK, LH track (will work for 263 969 R1) (64 for Unit A) (70 for Unit B) (76 for Units C and D)
6	263 976 R1	PIN, track master link (2)
7	263 945 R1	LOCKWIRE, track master link pin (2)
8	263 974 R2	BUSHING, track master link (2)
9	316 840 R1	LINK, RH track (will work for 263 970 R1) (64 for Unit A) (70 for Unit B) (76 for Units C and D)
	272 858 R91	PACKAGE, track link bushing field service (consists of BUSHING, 263 974 R2, PIN, 263 975 R1 and two SPACER, 272 853 R1)
	272 853 R1	SPACER, track master link BUSHING (used with PACKAGE, 272 858 R91) (2)



TRACK DRIVE

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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TRACK ASSEMBLY - CONTINUED

316 844 R91 TRACK ASSEMBLY (4 roller) (less Shoes)
(will work for 263 977 R91) (2 for Unit A)
(Composed of -

32	BUSHING	263 973 R2
1	BUSHING	263 974 R2
32	LINK	316 839 R1
32	LINK	316 840 R1
1	LINK	316 841 R1
1	LINK	316 842 R1
1	LOCKWIRE	263 945 R1
32	PIN	263 975 R1
1	PIN	263 976 R1)

316 845 R91 CHAIN ASSEMBLY, track (will work for 263 982 R91) (2 for Unit B)
(Composed of -

35	BUSHING	263 973 R2
1	BUSHING	263 974 R2
35	LINK	316 839 R1
35	LINK	316 840 R1
1	LINK	316 841 R1
1	LINK	316 842 R1
1	LOCKWIRE	263 945 R1
35	PIN	263 975 R1
1	PIN	263 976 R1)

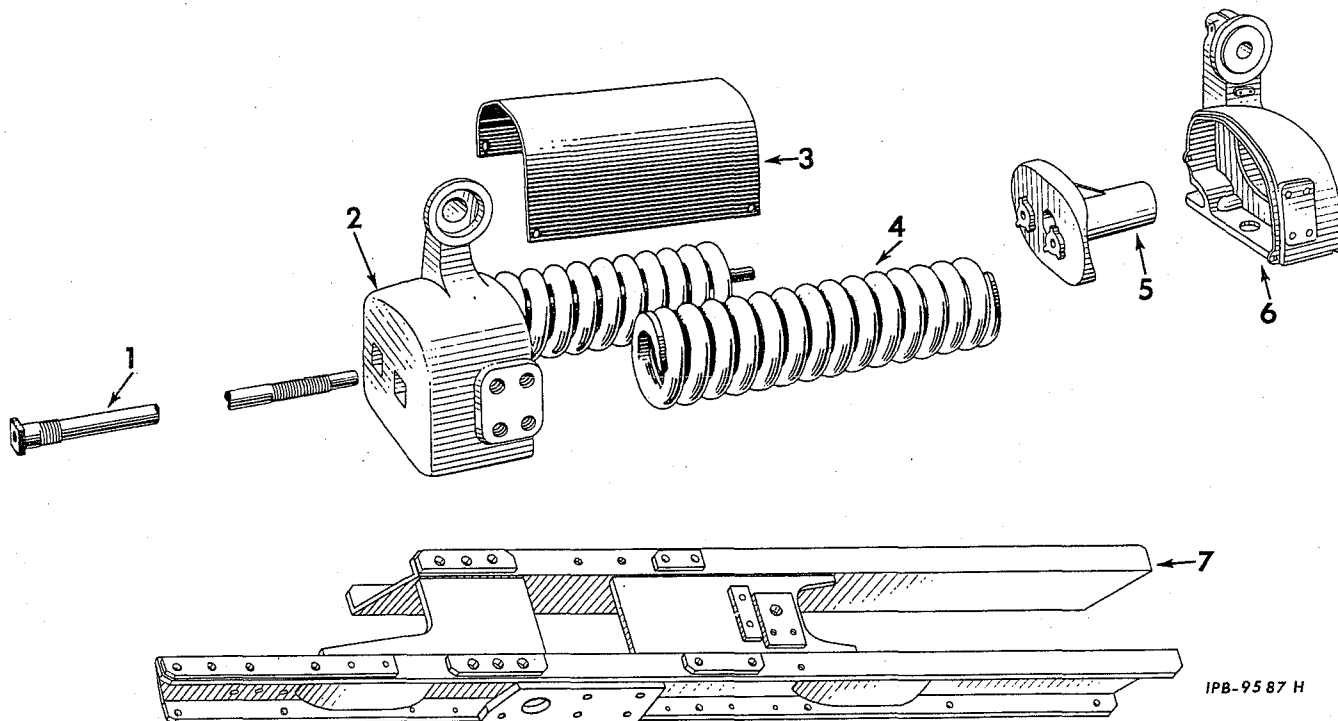
316 846 R91 CHAIN ASSEMBLY (will work for 303 523 R91) (2 for Units C and D)
(Composed of -

38	BUSHING	263 973 R2
1	BUSHING	263 974 R2
38	LINK	316 839 R1
38	LINK	316 840 R1
1	LINK	316 841 R1
1	LINK	316 842 R1
1	LOCKWIRE	263 945 R1
38	PIN	263 975 R1
1	PIN	263 976 R1)



TRACK DRIVE

TRACK FRAME, SPRING AND RETAINERS
(4 Roller) (Not extended or rigid extended)



IPB-9587 H

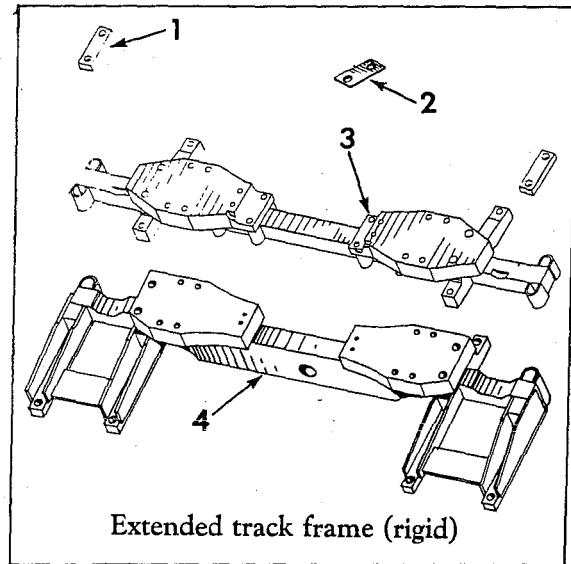
REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	272 932 R1	ROD, track spring adjusting (4) 1-1/4NF cd-pltd thick slotted NUT (4) 1-1/2NF jam NUT (4) 5/32 x 2" cotter PIN (4)
2	273 323 R1	RETAINER, LH rear track spring
2	273 324 R1 104 942	RETAINER, RH rear track spring CORK, 3/4" dia x 15/16" (size 6) (12) 1/2NF NUT (2) 1/2NF x 3-1/2" hex-hd cap SCREW (2) 1/2" lock WASHER (2)
3	49 586 DAX	GUARD, track spring (2) 3/8 x 3/4" hex-hd cap SCREW (8) 3/8" lock WASHER (8) 13/32 x 13/16 x No. 16 ga WASHER (8)
4	272 931 R1	SPRING, track (4)
5	266 067 R1	RETAINER, front track spring (2)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
6	266 069 R1	GUIDE, LH track frame and track spring
6	266 070 R1 104 942	GUIDE, RH track frame and track spring CORK, 3/4" dia x 15/16" (size 6) (16) 1/2NF NUT (2) 1/2NF x 3-1/2" hex-hd cap SCREW (2) 1/2" lock WASHER (2)
7	273 321 R91	FRAME, LH track
7	273 322 R91	FRAME, RH track
	266 071 R1	BOLT, track frame and track spring guide short (RH and LH) (8)
	266 072 R1	BOLT, track frame and track spring guide long (RH and LH) (4)
	277 921 R1	BOLT, rear track spring retainer (8)
	316 602 R1	DOWEL, rear track spring retainer (4)



TRACK DRIVE

EXTENDED TRACK FRAME AND RIGID EXTENDED TRACK FRAME
(5 and 6 Roller)



IPA-52659 G

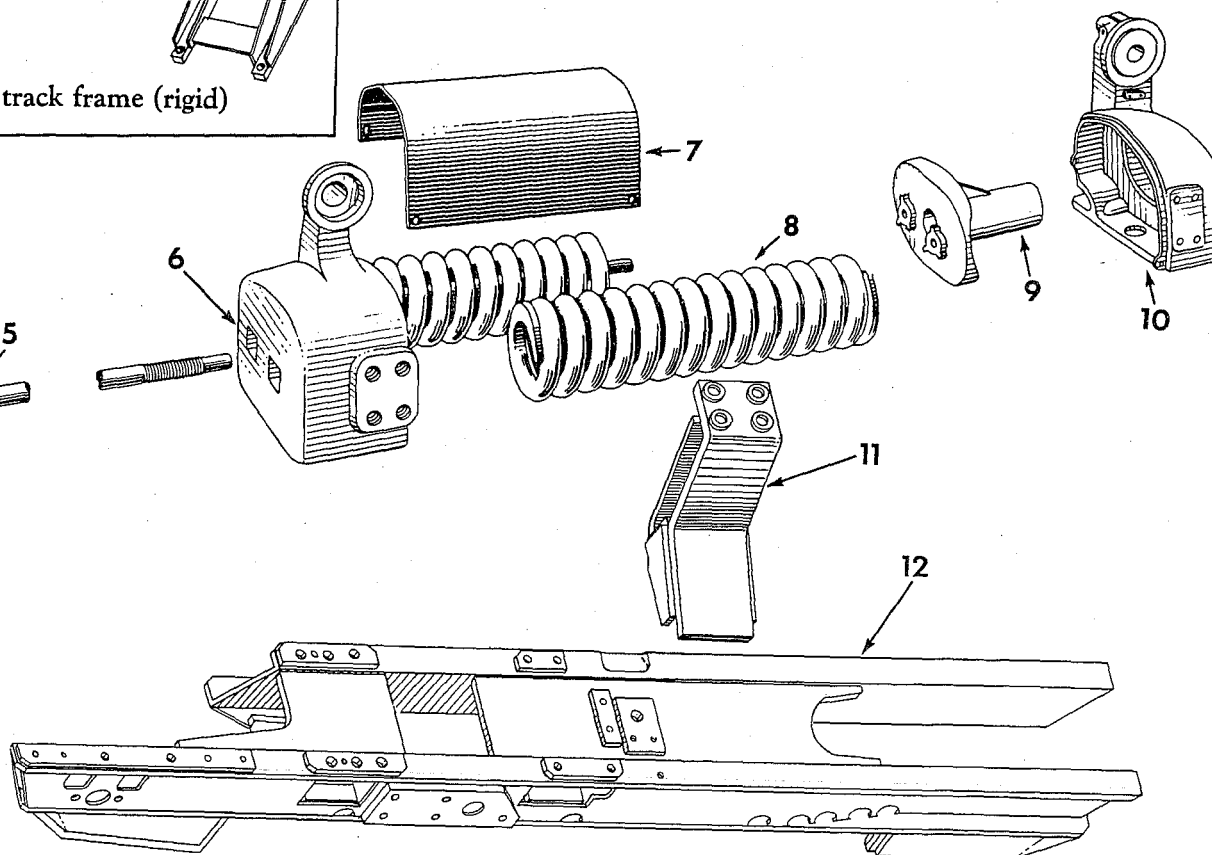
REF. NO.	I.H. PART NUMBER	DESCRIPTION
(X) - KEY TO UNITS		
A -	Service Parts for Rigid Extended Track Frame (five roller) (less shoes) (wide gauge)	
B -	Service Parts for Extended Track Frame (five roller) (less shoes) (wide gauge)	
C -	Service Parts for Rigid Extended Track Frame (five roller) (less hoes) (wide gauge) (Used on Equipment Combinations with large diameter front idler)	
D -	Service Parts for Extended Track Frame (five roller) (less shoes) (wide gauge) (for tractors equipped with direct lift blade equipment)	
E -	Service parts for rigid extended track frame (six roller) (less shoes) (wide gauge) (for use on equipment combinations with large diameter front idler)	

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TRACK DRIVE

EXTENDED TRACK FRAME AND RIGID EXTENDED TRACK FRAME - CONTINUED
(5 and 6 Roller)



REF. NO.	I.H. PART NUMBER	DESCRIPTION
(X) - Letters of these units correspond with those shown following the description of the parts in the list below and identifies the unit for which the part is used. Items without letters after the description indicates the part is used for all units.		
1	63 987 DA	CLAMP, rigid track frame crossbar (2 for Unit A, C and E) 1"NF x 5-3/4" hex-hd cap SCREW (4 for Unit A, C and E)
2	281 095 R1	SHIM, rigid track frame crossbar bracket (heavy) (2 for Unit A, C and E)

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REF. NO.	I. H. PART NUMBER	DESCRIPTION
EXTENDED TRACK FRAME AND RIGID EXTENDED TRACK FRAME - CONTINUED (5 and 6 Roller)		
2	281 096 R1	SHIM, rigid track frame crossbar bracket (medium) (X for Unit A) (4 for Unit C and E)
2	281 097 R1	SHIM, rigid track frame crossbar bracket (light) (X for Unit A, C and E) 1/2 x 1" hex-hd cap SCREW (to fasten shim to mounting pad) (4) 1/2" lock WASHER (4)
3	281 093 R14 17 197 R1 18 274 R1	CROSSBAR, rigid track frame (Unit A) SCREW, 1"NF x 3-1/2" hex-hd cap (2) SCREW, 1"NF x 7-1/2" hex-hd cap (4) 1"NF x 2-3/4" hex-hd cap SCREW (8)
4	303 514 R11 17 197 R1 18 274 R1	CROSSBAR, rigid track frame (Unit C and E) SCREW, 1"NF x 3-1/2" hex-hd cap (2) SCREW, 1"NF x 7-1/2" hex-hd cap (4) 1"NF x 2-3/4" hex-hd cap SCREW (8)
5	272 932 R1	ROD, track spring adjusting (4 for Units B and D) 1-1/4NF cd-pltd thick slotted NUT (4) 1-1/2NF jam NUT (4) 5/32 x 2" cotter PIN (4)
6	273 323 R1	RETAINER, LH rear track spring (Units B and D)
6	273 324 R1	RETAINER, RH rear track spring (Units B and D)
	104 942	CORK, 3/4" dia x 15/16" (size 6) (12) 1/2NF NUT (2) 1/2NF x 3-1/2" hex-hd cap SCREW (2) 1/2" lock WASHER (2)
7	49 586 DAX	GUARD, track spring (2 for Units B and D) 3/8 x 3/4" hex-hd cap SCREW (8) 3/8" lock WASHER (8) 13/32 x 13/16 x No. 16 ga WASHER (8)
8	272 931 R1	SPRING, track (4 for Units B and D)
9	266 067 R1	RETAINER, front track spring (2 for Units B and D)
10	266 069 R1	GUIDE, LH track frame and track spring (Units B and D)
10	266 070 R1	GUIDE, RH track frame and track spring (Units B and D)
	104 942	CORK, 3/4" dia x 15/16" (size 6) (16) 1/2NF NUT (2) 1/2NF x 3-1/2" hex-hd cap SCREW (2) 1/2" lock WASHER (2)
11	331 550 R91	ATTACHMENT, front support (direct lift) (consists of two SUPPORT, 331 003 R92 and DRAWING IZG-5676) (See NOTES 1 and 3) (Unit D)
11	331 003 R92	SUPPORT, lift frame front (2 for Unit D)
12	273 337 R92	FRAME, LH track (5 roller) (Units B and D)
12	273 338 R92	FRAME, RH track (5 roller) (Units B and D)
12	273 339 R91	FRAME, LH track (5 roller) (Unit A)
12	273 340 R91	FRAME, RH track (5 roller) (Unit A)
12	303 501 R91	FRAME, LH track (5 roller) (Unit C)
12	303 502 R91	FRAME, RH track (5 roller) (Unit C)
12	331 078 R91	FRAME, LH track (6 roller) (Unit E)
12	331 079 R91	FRAME, RH track (6 roller) (Unit E)
	104 938	CORK, No. 2, 1/2 x 11/16" long (2)
	41 455 D	BOLT, rigid crossbar mounting pad dowel (4 for Unit A) 7/8" NUT (4 for Unit A)
	266 071 R1	BOLT, track frame and track spring guide short (RH and LH) (8 for Units B and D)
	266 072 R1	BOLT, track frame and track spring guide long (RH and LH) (4 for Units B and D)



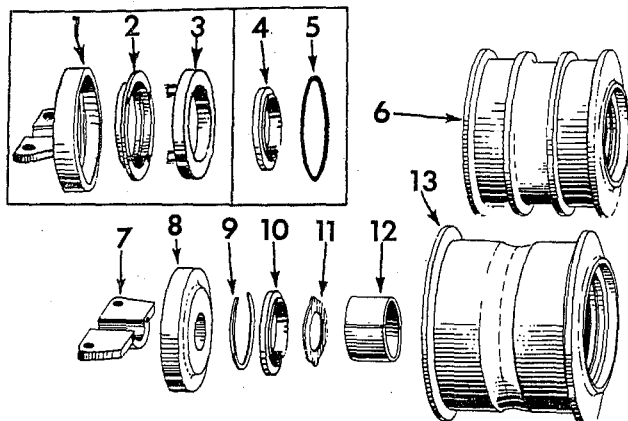
TRACK DRIVE

REF. NO.	I. H. PART NUMBER	DESCRIPTION
EXTENDED TRACK FRAME AND RIGID EXTENDED TRACK FRAME - CONTINUED (5 and 6 Roller)		
277 921 R1		BOLT, rear track spring retainer (8 for Units B and D)
316 602 R1		DOWEL, rear track spring retainer (4 for Units B and D)
		SCREW, 5/8 x 2-3/4" hex-hd cap (used with front idler cross plate) (8 for Unit C)
		SCREW, 1/2 x 1" hex-hd cap (used with sprocket SHIELD, 53 539 DA) (4)
		SCREW, 1"NF x 5-1/4" hex-hd cap (rigid crossbar) (4 for Unit A)
		SCREW, 1"NF x 8" hex-hd cap (rigid crossbar) (4 for Unit A)
		SCREW, 1/2 x 1-3/8" hex-hd cap (32) (See NOTE)
273 102 R1		SHAFT, crossbar pivot (Units A, C and E)
		WASHER, 1/2" lock (32) (See NOTE)
NOTE - Required for 306 131 R1 in standard unit.		
NOTE 1 - Factory Application - Order on Machine Order Form.		
NOTE 3 - Field Application - Order through Regular Service Parts Channels.		
(X) - As Required.		



TRACK DRIVE

TRACK ROLLERS



IPA-67262

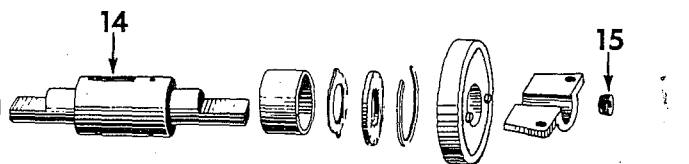
REF. NO.	I. H. PART NUMBER	DESCRIPTION
(X) - KEY TO UNITS		
A -	Service parts for track roller used with standard (4 roller) track frame.	
B -	Service parts for track roller used with extended (5 roller) track frame.	
C -	Service parts for track roller used with rigid extended (5 roller) track frame.	
D -	Service parts for track roller used with rigid extended (6 roller) track frame	
(X) - Letters of these units correspond with those shown following the description of the parts in the list below and identifies the unit for which the part is used. Items without letters after the description indicates the part is used for all units.		
1	306 131 R1	BRACKET, track roller shaft inner (16 for Unit A) (20 for Units B and C) TD-92 501 to 3923 1/2NF NUT (22 for Unit A) 1/2NF x 1-3/4" hex-hd cap SCREW (22 for Unit A) 1/2 x 1-1/2" hex-hd cap SCREW (10 for Unit A) 1/2 x 1-3/8" hex-hd cap SCREW (40 for Units B and C) 1/2" lock WASHER (32 for Unit A) (40 for Units B and C)
2	304 814 R1	GASKET, track roller oil seal back-up (16 for Unit A) (20 for Units B and C) TD-92 501 to 3923
3	304 918 R91	OIL SEAL w/GASKET, 304 814 R1, track roller (16 for Unit A) (20 for Units B and C) TD-92 501 to 3923
4	304 916 R11	RETAINER, track roller (16 for Unit A) (20 for Units B and C) TD-92 501 to 4544
5	304 917 R1	"O" RING, track roller (.065 thk x 3.44") (16 for Unit A) (20 for Units B and C) TD-92 501 to 4544)
6	306 130 R21	ROLLER, track (double flange) (4 for Units A and B) (6 for Unit C) (8 for Unit D)
6	306 126 R92	ROLLER AND SHAFT ASSEMBLY, track (double flange) (4 for Units A and B) (6 for Unit C) (8 for Unit D) (Composed of - 1 BUSHING SET 314 937 R91 1 PLUG 304 908 R1 2 RETAINER 322 528 R1 2 RING 272 623 R1 1 ROLLER 306 130 R21 1 SHAFT 304 915 R92 2 WASHER 53 369 D)

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TRACK DRIVE

TRACK ROLLERS - CONTINUED



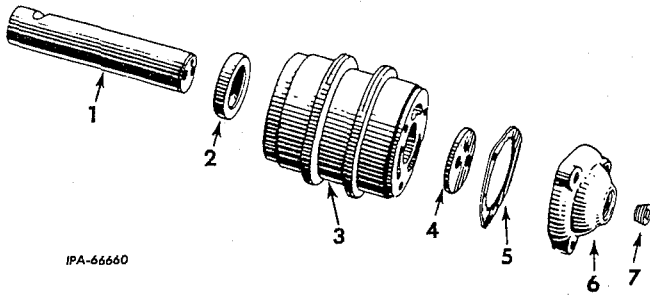
REF. NO.	I.H. PART NUMBER	DESCRIPTION
7	311 431 R1	BRACKET, track roller shaft (16 for Unit A) (20 for Units B and C) (24 for Unit D) TD-92 3924 up 1/2NF NUT (22 for Unit A) 1/2NF x 1-3/4" hex-hd cap SCREW (22 for Unit A) 1/2 x 1-1/2" hex-hd cap SCREW (10 for Unit A) (48 for Unit D) 1/2 x 1-3/8" hex-hd cap SCREW (40 for Units B and C) 1/2" lock WASHER (32 for Unit A) (40 for Units B and C) (48 for Unit D)
8	313 178 R91	OIL SEAL, track roller (16 for Unit A) (20 for Units B and C) (24 for Unit D) TD-92 3924 up
9	272 623 R1	RING, track roller retainer snap (16 for Unit A) (20 for Units B and C) (24 for Unit D)
10	322 528 R1	RETAINER, track roller (16 for Unit A) (20 for Units B and C) (24 for Unit D) TD-92 4545 up
11	53 369 D	WASHER, track roller thrust (16 for Unit A) (20 for Units B and C) (24 for Unit D)
11	322 247 R1	WASHER, track roller thrust (.100-.105) (X)
12	314 937 R91	BUSHING, track roller (set of two) (8 for Unit A) (10 for Units B and C) (12 for Unit D)
13	306 129 R21	ROLLER, track (single flange) (4 for Units A, C and D) (6 for Unit B)
13	306 125 R92	ROLLER AND SHAFT ASSEMBLY, track (single flange) (4 for Units A, C and D) (6 for Unit B) (Composed of - 1 BUSHING SET 314 937 R91 1 PLUG 304 908 R1 2 RETAINER 322 528 R1 2 RING 272 623 R1 1 ROLLER 306 129 R21 1 SHAFT 304 915 R92 2 WASHER 53 369 D)
14	304 915 R92	SHAFT, track roller (8 for Unit A) (10 for Units B and C) (12 for Unit D)
15	268 996 R1	PLUG, track roller shaft lubrication (8 for Unit A) (10 for Units B and C) (12 for Unit D)
	274 913 R91	PACKAGE, track roller oil seal leather washer field service (consists of two leather WASHERS) (service for 304 918 R91) (8 for Unit A) (10 for Units B and C) (12 for Unit D) X - As Required.

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TRACK DRIVE

TRACK IDLER



REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	307 041 R1	SHAFT, track idler (4) 1/2NF NUT (4) 1/2NF x 3-1/2" hex-hd cap SCREW (4) 1/2" lock WASHER (4)
2	313 820 R91	OIL SEAL, track idler (used with Idler 8 403 D) (4)
2	321 292 R91	OIL SEAL, track idler (used with Idler 320 641 R1)
3	320 641 R1	IDLER, track (together with OIL SEAL, 321 292 R91 will work for 8 403 D) (4)
4	307 033 R2	WASHER, track idler thrust (4) 1/2NF x 1-1/4" hex-hd cap SCREW (8) 1/2" external-tooth lock WASHER (8)
5	48 229 D	GASKET, track idler (4)
6	307 042 R2	CAP, track idler (4) 1/2 x 1-1/2" hex-hd cap SCREW (12) 1/2" lock WASHER (12)
7	271 647 R1	PLUG, 1" track idler lubrication (4)
	47 334 D	WASHER, track idler felt (used with Idler 8 403 D) (4)

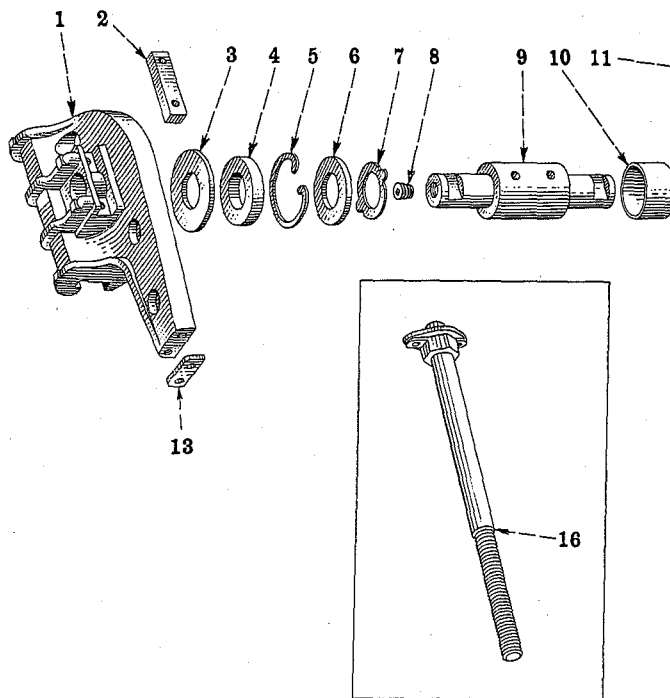


MEMORANDA



TRACK DRIVE

FRONT IDLER
(TD-92 501 to 4830)



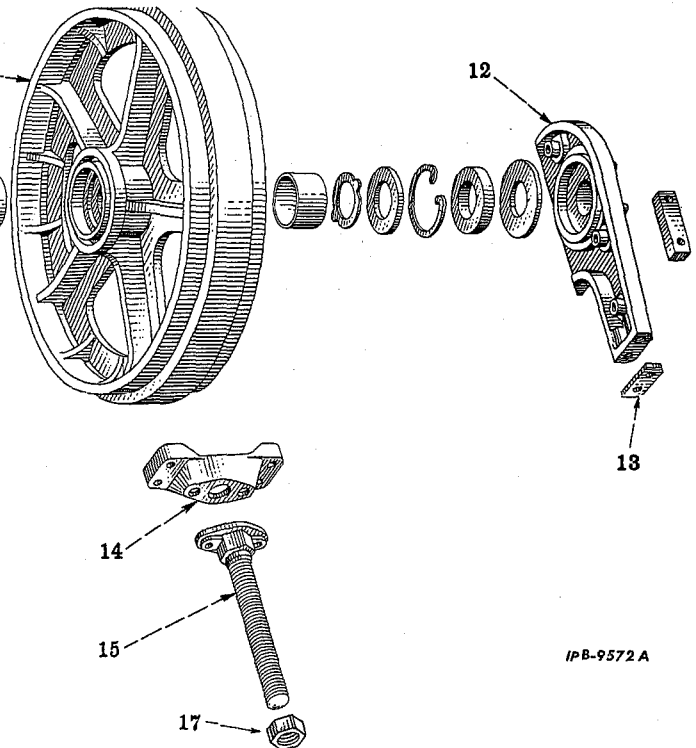
REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	263 436 R1	GUIDE, LH front idler (2)
2	263 441 R1	CLAMP, front idler shaft (4) 9/16 x 1-7/8" hex-hd. cap SCREW (8) 9/16" lock WASHER (8)
3	263 417 R1	WASHER, front idler felt (4)
4	273 577 R91	OIL SEAL, front idler (4)
5	263 416 R1	RING, front idler retainer snap (4)
6	263 415 R2	RETAINER, front idler (4)
7	263 414 R2	WASHER, front idler thrust (4)
8	268 996 R1	PLUG, front idler lubrication (2)
9	307 044 R91	SHAFT, front idler (2)
10	263 434 R11	BUSHING, front idler (set of two) (See NOTE 4) (2)
11	263 432 R12	IDLER w/two BUSHING, front (not large diameter front idler) (2)
11	272 136 R12	IDLER w/two BUSHING, front (large diameter front idler) (See NOTE 4) (2)
12	263 437 R1	GUIDE, RH front idler (2)
13	273 477 R1	SPACER, front idler guide (used with Attachment, 272 139 R91) (See NOTE 4) (4)
14	53 398 DA	PLATE, cross front idler guide (2) 5/8 x 1-3/4" hex-hd. cap SCREW (not large diameter front idler) (8) 5/8 x 2-3/4" hex-hd. cap SCREW (large diameter front idler) (8)

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TRACK DRIVE

FRONT IDLER - CONTINUED
(TD-92 501 to 4830)



IPB-9572 A

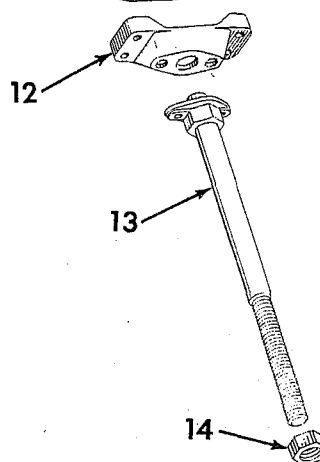
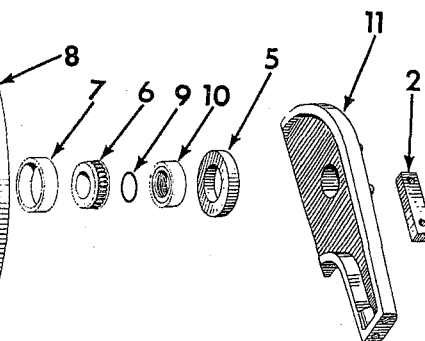
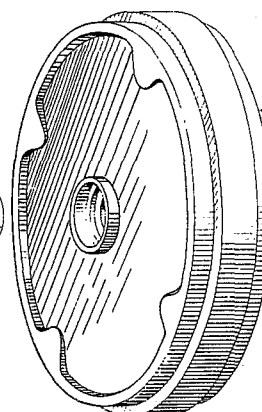
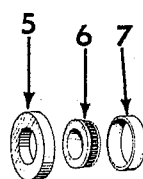
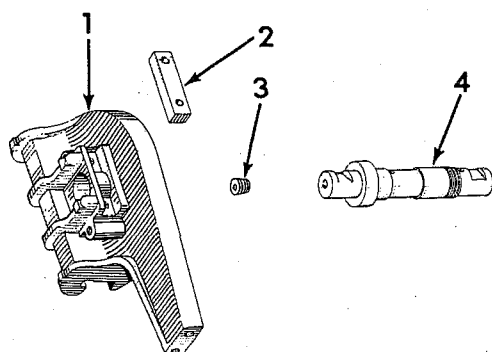
REF. NO.	I.H. PART NUMBER	DESCRIPTION
15	48 040 DB	ADJUSTER, front idler (not rigid extended track frame, extended track frame or large diameter front idler) (2) 1/2 x 1-1/4" hex-hd. cap SCREW (4) 1/2" lock WASHER (4)
16	273 642 R1	ADJUSTER, front idler (large diameter front idler) (part of ATTACHMENT, 272 139 R91) (2)
16	302 522 R1	ADJUSTER, front idler (used on units equipped with rigid extended track frame and large diameter front idler) (2)
16	63 966 DB	ADJUSTER, front idler (used on units equipped with extended track frame)
17	266 068 R1	NUT, front idler adjuster lock (2) 1/2" lock WASHER (used with front idler guide cross plate large diameter) (8)
	272 139 R91	ATTACHMENT, large diameter front idler (for tractors equipped with extended track frame) (See NOTE 3) (Unit B) (Consists of two ADJUSTER, 273 642 R1 two IDLER, 272 136 R12 and four SPACER, 273 477 R1)

NOTE 4: Used also in Equipment Combinations. Also listed with "Extended Track Frame And Rigid Extended Track Frame (5 roller)."

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TRACK DRIVE

FRONT IDLER
(TD-92 4831 up)

IPA-66665

REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	316 992 R1	GUIDE, LH front idler (2)
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)
3	268 996 R1	PLUG, front idler lubrication (2)
4	316 991 R1	SHAFT, front idler (2)
5	319 635 R91	OIL SEAL, front idler (4)
6	13 367 DC	CONE, front idler shaft roller bearing (4)
7	13 363 D	CUP, front idler shaft roller bearing (4)
8	316 988 R1	IDLER, front (large diameter front idler) (2)
8	316 990 R1	IDLER, front (not large diameter front idler) (2)
9	321 736 R1	"O" RING, front idler adjusting nut (2-1/2 x 2-3/4 x 1/8") (2)
10	316 987 R1	NUT, front idler adjusting (2)
11	316 993 R1	GUIDE, RH front idler (2)
12	53 398 DA	PLATE, front idler guide cross (2) 5/8 x 1-3/4" hex-hd cap SCREW (8)

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TRACK DRIVE

FRONT IDLER - CONTINUED
(TD-92 4831 up)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
13	316 994 R1	ADJUSTER, front idler (not used on units equipped with rigid extended track, extended track frame or large diameter front idler) (2)
13	303 522 R1	ADJUSTER, front idler (used on units with rigid extended track frame and large diameter front idler) (2) 1/2 x 1-1/4" hex-hd cap SCREW (4) 1/2" lock WASHER (4)
13	63 996 DB	ADJUSTER, front idler (used on units equipped with extended track frame)
14	266 068 R1	NUT, front idler adjuster locking (2)

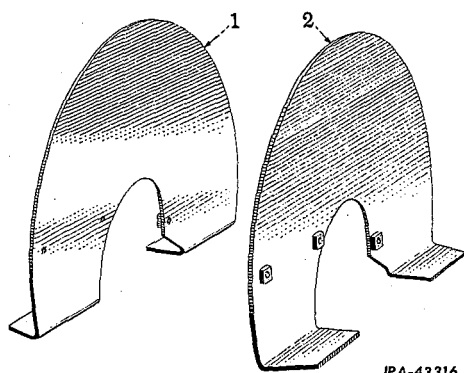
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(REV. NO. 5 5-63)



TRACK DRIVE

FRONT IDLER SHIELD (TD-92 501 to 4830)

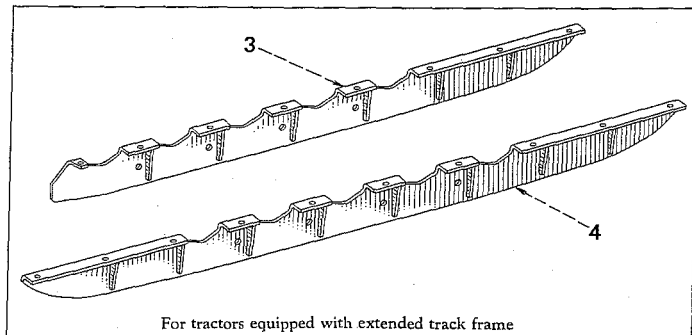
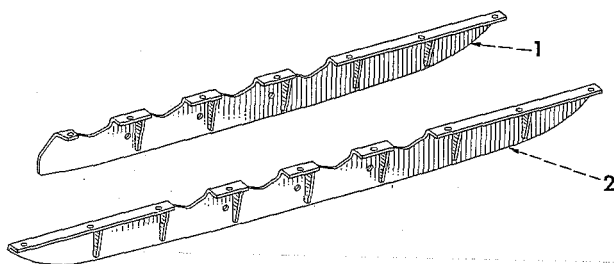


IPA-43316

REF. NO.	I. H. PART NUMBER	DESCRIPTION
	263 420 R91	ATTACHMENT, front idler shield (See NOTE 1 and 3)
1	263 418 R11	SHIELD, LH front idler outer
1	263 418 R11	SHIELD, RH front idler inner 7/16NF x 1-1/2" hex-hd. cap SCREW (3) 7/16" lock WASHER (3)
2	263 419 R11	SHIELD, RH front idler outer
2	263 419 R11	SHIELD, LH front idler inner 7/16NF x 1-1/2" hex-hd. cap SCREW (3) 7/16" lock WASHER (3)

TRACK ROLLER SHIELD

(For units equipped with Track Frames that do not have Track Chain Guides)



For tractors equipped with extended track frame

IPA-45242



TRACK DRIVE

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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TRACK ROLLER SHIELD - CONTINUED

(For units equipped with Track Frames that do not have Track Chain Guides)

(X) - KEY TO UNITS -

- A - 314 620 R91 ATTACHMENT, track roller shield (four roller) (regular) (not extended track frame or rigid extended track frame) (will work for 267 872 R92) (See NOTE 3)
- B - 314 621 R91 ATTACHMENT, track roller shield (5 roller) (for use on machines equipped with extended track frame without track chain guides) (will work for 267 881 R92) (See NOTE 3)
- C - 314 622 R91 ATTACHMENT, track roller shield (5 roller) (for use on machines equipped with rigid extended track frame without track chain guides and equipment combinations without track chain guides) (See NOTE 3) (will work for 303 840 R91)

(X) - Letters of these units correspond with those shown following the description of the part in the list below and identifies the units for which the part is used. Items without letters after the description indicates the part is used for all units.

- | | | |
|---|-------------|--|
| 1 | 314 608 R11 | SHIELD, LH inner (will work for 304 678 R11) (Unit A) |
| 1 | 314 609 R11 | SHIELD, RH inner (will work for 304 679 R11) (Unit A)
5/8NF NUT (6)
5/8 x 1-1/4" hex-hd cap SCREW
5/8NF x 1-3/4" hex-hd cap SCREW (b)
5/8" lock WASHER (7) |
| 2 | 314 610 R11 | SHIELD, LH outer (will work for 304 682 R11) (Unit A) |
| 2 | 314 611 R11 | SHIELD, RH outer (will work for 304 683 R11) (Unit A)
5/8NF NUT (7)
5/8 x 1-1/4" hex-hd cap SCREW (2)
5/8NF x 1-3/4" hex-hd cap SCREW (7)
5/8" lock WASHER (7) |
| 3 | 314 612 R11 | SHIELD, LH inner (will work for 304 684 R11) (Unit B) |
| 3 | 314 613 R11 | SHIELD, RH inner (will work for 304 685 R11) (Unit B)
5/8 x 1-1/4" hex-hd cap SCREW (8)
5/8" lock WASHER (8) |
| 3 | 314 616 R11 | SHIELD, LH inner (will work for 303 835 R11) (Unit C) |
| 3 | 314 617 R11 | SHIELD, RH inner (will work for 308 836 R11) (Unit C)
5/8 x 1-1/4" hex-hd cap SCREW (8)
5/8" lock WASHER (8) |
| 4 | 314 614 R11 | SHIELD, LH outer (will work for 304 688 R11) (Unit B) |
| 4 | 314 615 R11 | SHIELD, RH outer (will work for 304 689 R11) (Unit B)
5/8 x 1-1/4" hex-hd cap SCREW (8)
5/8" lock WASHER (8) |
| 4 | 314 618 R11 | SHIELD, LH outer (will work for 303 837 R11) (Unit C) |
| 4 | 314 619 R11 | SHIELD, RH outer (will work for 303 838 R11) (Unit C)
5/8 x 1-1/4" hex-hd cap SCREW (8)
5/8" lock WASHER (8) |
| | 267 888 R1 | BOLT, track roller shield spacer (6 for Unit A 8 for Units B and C)
3/4NF NUT (6 for Unit A) |
| | 267 887 R1 | SPACER, track roller shield (6 for Unit A, 8 for Units B and C) |

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

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

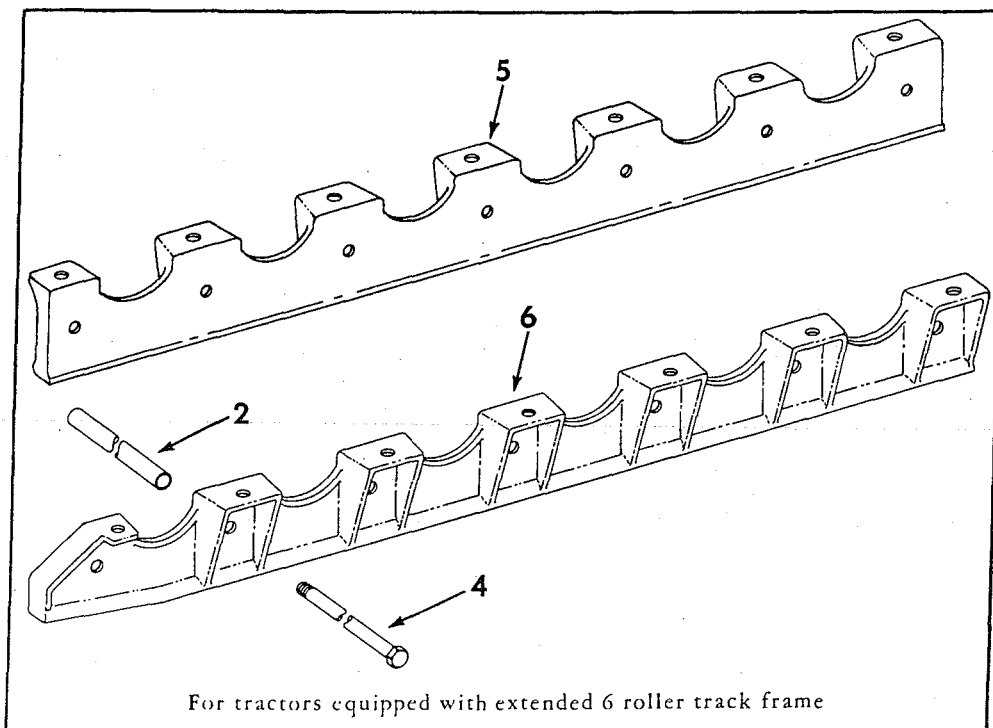
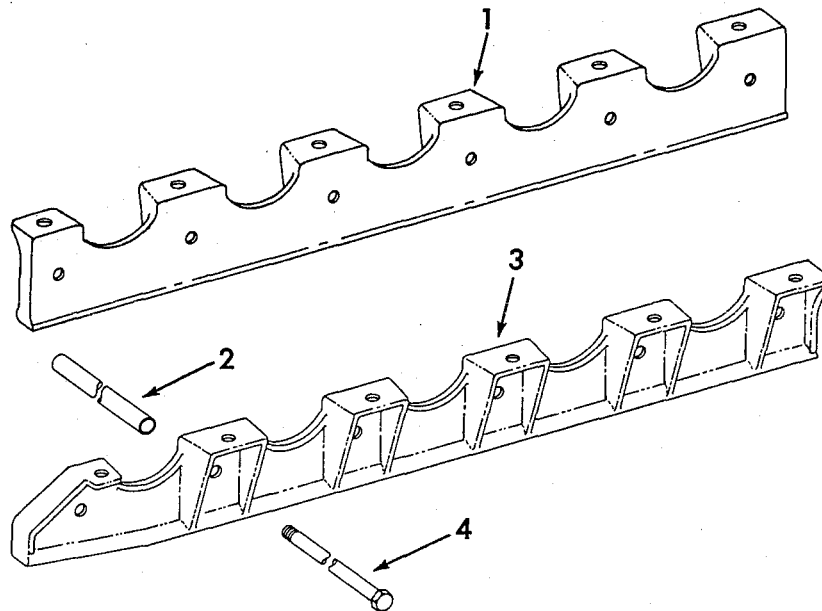


-67A-

TRACK DRIVE

TRACK ROLLER SHIELD

(For use on units equipped with Track Frames that have Track Chain Guides)



For tractors equipped with extended 6 roller track frame

-67A-



TRACK DRIVE

TRACK ROLLER SHIELD - CONTINUED

(For use on units equipped with Track Frames that have Track Chain Guides)



TRACK DRIVE

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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TRACK ROLLER SHIELD - CONTINUED

(For use on units equipped with Track Frames that have Track Chain Guides)

(X) - KEY TO UNITS

- A - 325 981 R91 ATTACHMENT, track roller shield (six roller) (for use on units equipped with rigid extended track frame with track chain guides and equipment combinations with track chain guides) (See NOTE 3)
- B - 325 982 R91 ATTACHMENT, track roller shield (five roller) (for use on units equipped with extended track frame with track chain guides) (See NOTE 3)

(X) - Letters of these units correspond with those shown following the description of the parts in the list below and identifies the unit for which the part is used. Items without letters after the description indicates the part is used for all units.

- | | | |
|---|------------|--|
| 1 | 331 130 R1 | SHIELD, outer (2 for Unit B)
5/8 x 1-1/4" hex-hd cap SCREW (12)
21/32 x 1-5/16 x .095" thick WASHER (12) |
| 2 | 331 604 R1 | SPACER, track roller shield (12) |
| 3 | 331 128 R1 | SHIELD, LH inner (Unit B) |
| 3 | 331 129 R1 | SHIELD, RH inner (Unit B)
5/8 x 1-1/4" hex-hd cap SCREW (12)
21/32 x 1-5/16 x .095" thick WASHER (12) |
| 4 | 267 888 R1 | BOLT, track roller shield spacer (12)
3/4" NUT (12) |
| 5 | 331 133 R1 | SHIELD, outer (2 for Unit A)
5/8 x 1-1/4" hex-hd cap SCREW (14)
21/32 x 1-5/16 x .095" thick WASHER (14) |
| 6 | 331 131 R1 | SHIELD, LH inner (Unit A) |
| 6 | 331 132 R1 | SHIELD, RH inner (Unit A)
5/8 x 1-1/4" hex-hd cap SCREW (14)
21/32 x 1-5/16 x .095" thick WASHER (14) |

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

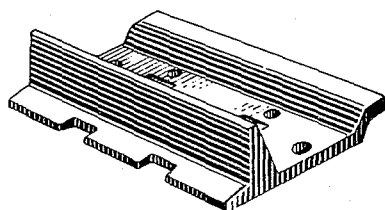


MEMORANDA

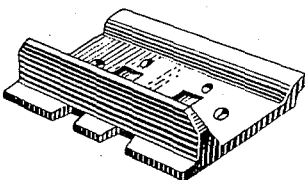


TRACK DRIVE

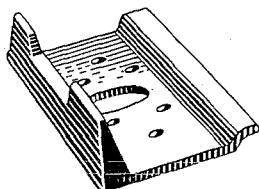
TRACK SHOES



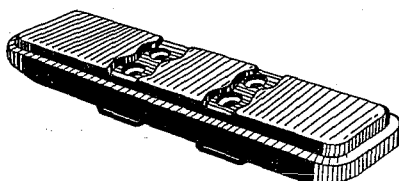
Square corner shoe



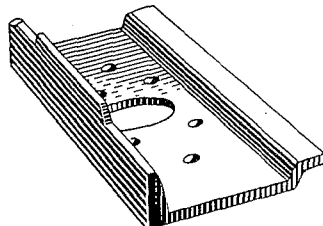
Clipped corner shoe



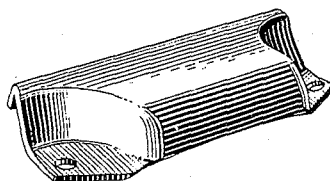
End lug grouser



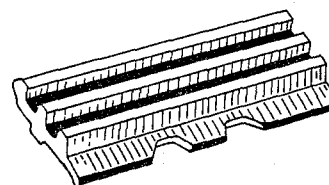
Rubber shoe



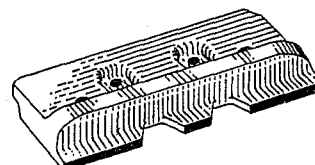
Center lug grouser



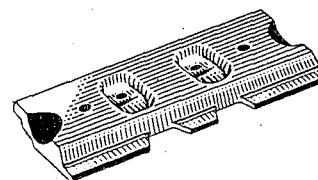
Street plate



Flat shoe
(3 Grouser)



Flat shoe
(Low straight grouser)



Overlapping flat shoes

IPA-45227A

ATTACHMENT NUMBER (X)	DESCRIPTION
SQUARE CORNER	
49 477 DB	SHOE SET, track (13" track shoe 46 839 DB) (See NOTE B) (66)
257 770 R91	SHOE SET, track (wide tread) (12" track shoe 46 839 DB) (See NOTE A) (72)
250 313 DB	SHOE SET, track (14" track shoe 50 311 DB) (See NOTE B) (66)
254 803 R91	SHOE SET, track (wide tread) (14" track shoe 50 311 DB) (See NOTE A) (72)
49 478 DB	SHOE SET, track (15" track shoe 49 466 DB) (See NOTE B) (66)
257 771 R91	SHOE SET, track (wide tread) (15" track shoe 49 466 DB) (See NOTE A) (72)
49 479 DB	SHOE SET, track (wide tread) (16" track shoe 49 467 DB) (See NOTE B) (66)
254 304 R91	SHOE SET, track (wide tread) (16" track shoe 49 467 DB) (See NOTE A) (72)
49 480 DB	SHOE SET, track (wide tread) (18" track shoe 49 468 DB) (See NOTE B) (66)
254 805 R91	SHOE SET, track (wide tread) (18" track shoe 49 468 DB) (See NOTE A) (72)
49 481 DB	SHOE SET, track (wide tread) (20" track shoe 49 469 DB) (See NOTE B) (66)
254 806 R91	SHOE SET, track (wide tread) (20" track shoe 49 469 DB) (See NOTE A) (72)
261 454 R91	SHOE SET, track (wide tread) (22" track shoe 261 450 R1) (See NOTE B) (66)
311 345 R1	Included with above - BOLT, track shoe (for attachments with 66 shoes) (will work for 267 019 R1) (used only with LINK, 263 977 R91) (264)
311 345 R1	BOLT, track shoe (for attachments with 72 shoes) (will work for 267 019 R1) (used only with LINK, 263 977 R91) (288)
316 843 R1	BOLT, track shoe (for attachments with 66 shoes) (used only with LINK, 316 844 R91) (264)
316 843 R1	BOLT, track shoe (for attachments with 72 shoes) (used only with LINK, 316 844 R91) (288)



TRACK DRIVE

TRACK SHOES - CONTINUED

ATTACHMENT NUMBER (X)	DESCRIPTION
SQUARE CORNER - CONTINUED	
273 871 R1	NUT, track shoe (hex-type) (for attachments with 66 shoes) (*) (264)
273 871 R1	NUT, track shoe (hex-type) (for attachments with 72 shoes) (*) (288)
RUBBER SHOE	
255 026 R92	SHOE SET, rubber track (12" track shoe §) (See NOTE B) (66)
5 370 D	Included with above - BASE PLATE, rubber track (66)
311 345 R1	BOLT, track shoe (used only with LINK, 263 977 R91) (264)
316 843 R1	BOLT, track shoe (used only with LINK, 316 844 R91) (264)
32 454 D	NUT, track shoe stud (will work for 267 019 R1) (264)
273 871 R1	NUT, track shoe (*) (264)
256 020 R1	STUD, track shoe (264)
19 589 DB Y	The following parts are available for service on this attachment. SHOE, track w/four NUT, 32 454 D and four STUD, 256 020 R1 (66)
§ - Not Furnished Separately	
NOTE A - Attachment is for application on tractors equipped with extended track frame or rigid extended track frame having 36 links per track.	
NOTE B - Attachment is for application on tractors with standard track frame having 33 links per track.	
(*) - Square type track shoe bolt NUT, 263 981 R1 also available for service in place of hex-type 273 871 R1.	
(X) - Factory Application - Order on Machine Order Form. Field Application - Order through regular Service Parts Channels.	



TRACK DRIVE

ATTACHMENT NUMBER (X)	DESCRIPTION
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TRACK SHOES - CONTINUED

CLIPPED CORNER

	SHOE, track clipped corner (13" track shoe 49 471 DC) (See NOTE B) (66)
49 483 DC	SHOE SET, track (13" track shoe 49 471 DC) (See NOTE B) (field application only) (66)
257 772 R92	SHOE SET, track (wide tread) (13" track shoe 49 471 DC) (See NOTE A) (72)
50 314 DC	SHOE SET, track (14" track shoe 50 312 DC) (See NOTE B) (66)
262 468 R92	SHOE SET, track (wide tread) (14" track shoe 50 312 DC) (See NOTE A) (72)
49 484 DC	SHOE SET, track (15" track shoe 49 472 DC) (See NOTE B) (66)
257 773 R92	SHOE SET, track (wide tread) (15" track shoe 49 472 DC) (See NOTE A) (72)
303 647 R91	SHOE SET, track (wide tread) (15" track shoe 49 472 DC) (See NOTES C and D) (78)
49 485 DC	SHOE SET, track (wide tread) (16" track shoe 49 473 DC) (See NOTE B) (66)
257 774 R92	SHOE SET, track (wide tread) (16" track shoe 49 473 DC) (See NOTE A) (72)
49 486 DC	SHOE SET, track (wide tread) (18" track shoe 49 474 DC) (See NOTE B) (66)
257 775 R92	SHOE SET, track (wide tread) (18" track shoe 49 474 DC) (See NOTE A) (72)
49 487 DC	SHOE SET, track (wide tread) (20" track shoe 49 475 DC) (See NOTE B) (66)
257 776 R92	SHOE SET, track (wide tread) (20" track shoe 49 475 DC) (See NOTE A) (72)
311 085 R91	SHOE SET, track (wide tread) (20" track shoe 49 475 DC) (See NOTE C) (78)
261 456 R92	SHOE SET, track (wide tread) (22" track shoe 261 452 R2) (See NOTE B) (66)
314 345 R91	SHOE SET, track (wide tread) (22" track shoe 261 452 R2) (NOTE C) (78)
261 457 R92	SHOE SET, track (wide tread) (24" track shoe 261 453 R2) (See NOTE B) (66)
	Included with above -
311 345 R1	BOLT, track shoe (for attachments with 66 shoes) (will work for 267 019 R1) (used only with LINK, 263 977 R91) (264)
311 345 R1	BOLT, track shoe (for attachments with 72 shoes) (will work for 267 019 R1) (used only with LINK, 263 977 R91) (288)
311 345 R1	BOLT, track shoe (for attachments with 78 shoes) (will work for 267 019 R1) (used only with LINK, 263 977 R91) (312)
316 843 R1	BOLT, track shoe (for attachments with 66 shoes) (used only with LINK, 316 844 R91) (264)
316 843 R1	BOLT, track shoe (for attachments with 72 shoes) (used only with LINK, 316 844 R91) (288)
316 843 R1	BOLT, track shoe (for attachments with 78 shoes) (used only with LINK, 316 844 R91) (312)
273 871 R1	NUT, track shoe (hex-type) for attachments with 66 shoes) (*) (264)
273 871 R1	NUT, track shoe (hex-type) for attachments with 72 shoes (*) (288)
273 871 R1	NUT, track shoe (hex-type) for attachments with 78 shoes (*) (312)

STAGGERED LUG GROUSER

57 535 DA	SHOE SET, track (center lug 15" track shoe 57 515 DA) (33) and (end lug 15" track shoe 57 516 DA) (See NOTE B) (33)
255 879 R91	SHOE SET, track (wide tread) (center lug 15" track shoe 57 515 DA) (36) and (end lug 15" track shoe 57 516 DA) (See NOTE A) (36)
303 646 R91	SHOE SET, track (wide tread) (center lug 15" track shoe 57 515 DA) (39) and (end lug 15" track shoe 57 516 DA) (See NOTES C and D) (39)
270 821 R91	SHOE SET, track (wide tread) (center lug 16" track shoe 270 823 R1) (33) and (end lug 16" track shoe 270 824 R1) (See NOTE B) (33)



TRACK DRIVE

ATTACHMENT NUMBER (X)	DESCRIPTION
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TRACK SHOES - CONTINUED

STAGGERED LUG GROUSER - CONTINUED

270 822 R91	SHOE SET, track (wide tread) (center lug 16" track shoe 270 823 R1) (36) and (end lug 16" track shoe 270 824 R1) (See NOTE A) (36)
	included with above
311 345 R1	BOLT, track shoe (for attachments with 66 shoes) (will work for 267 019 R1) (used only with LINK, 263 977 R91) (264)
311 345 R1	BOLT, track shoe (for attachments with 72 shoes) (will work for 267 019 R1) (used only with LINK, 263 977 R91) (288)
311 345 R1	BOLT, track shoe (for attachments with 78 shoes) (will work for 267 019 R1) (used only with LINK, 263 977 R91) (312)
316 843 R1	BOLT, track shoe (for attachments with 66 shoes) (used only with LINK, 316 844 R91) (264)
316 843 R1	BOLT, track shoe (for attachments with 72 shoes) (used only with LINK, 316 844 R91) (288)
316 843 R1	BOLT, track shoe (for attachments with 78 shoes) (used only with LINK, 316 844 R91) (312)
273 871 R1	NUT, track shoe (hex-type) (for attachments with 66 shoes) (*) (264)
273 871 R1	NUT, track shoe (hex-type) (for attachments with 72 shoes) (*) (288)
273 871 R1	NUT, track shoe (hex-type) (for attachments with 78 shoes) (*) (312)

FLAT SHOES

254 981 R91	SHOE SET, flat overlapping (wide tread) (15" track shoe 9 245 DA) (See NOTE A) (72)
303 645 R91	SHOE SET, flat overlapping (with tread) (15" track shoe 9 245 DA) (See NOTE C) (78)
258 872 R91	SHOE SET, flat overlapping (low straight grouser) (15" track shoe 258 874 R1) (See NOTE B) (66)
258 873 R91	SHOE SET, flat overlapping (low straight grouser) (wide tread) (15" track shoe 258 874 R1) (See NOTE A) (72)
303 644 R91	SHOE SET, flat overlapping (low straight grouser) (wide tread) (15" track shoe 258 874 R1) (See NOTE C) (78)
277 508 R91	SHOE SET, flat overlapping (low profile three grouser) (15" track shoe 277 507 R1) (See NOTE B) (66)
277 509 R91	SHOE SET, flat overlapping (low profile three grouser) (wide tread) (15" track shoe 277 507 R1) (See NOTE A) (72)

NOTE A - Attachment is for application on tractors equipped with extended track frame or rigid extended track frame having 36 links per track.

NOTE B - Attachment is for application on tractors with standard track frame having 33 links per track.

NOTE C - Attachment is for application on tractors with rigid extended track frame having 39 links per track.

NOTE D - These attachments can be furnished only with the approval of the Construction Equipment Engineering Department.

(*) - Square type track shoe bolt NUT, 263 981 R1 also available for service in place of hex-type 273 871 R1.

(X) - Factory Application - Order on Machine Order Form.
Field Application - Order through regular Service Parts Channels.



TRACK DRIVE

ATTACHMENT
NUMBER (X)

DESCRIPTION

TRACK SHOES - CONTINUED

FLAT SHOES - CONTINUED

303 524 R91 SHOE SET, flat overlapping (low profile three grouser) (wide tread) (15" track shoe 277 507 R1) (See NOTE C) (78)
Included with above -

311 345 R1 BOLT, track shoe (for attachments with 66 shoes) (will work for 267 019 R1) (used only with LINK, 263 977 R91) (264)

311 345 R1 BOLT, track shoe (for attachments with 72 shoes) (will work for 267 019 R1) (used only with LINK, 263 977 R91) (288)

311 345 R1 BOLT, track shoe (for attachments with 78 shoes) (will work for 267 019 R1) (used only with LINK, 263 977 R91) (312)

316 843 R1 BOLT, track shoe (for attachments with 66 shoes) (used only with LINK, 316 844 R91) (264)

316 843 R1 BOLT, track shoe (for attachments with 72 shoes) (used only with LINK, 316 844 R91) (288)

316 843 R1 BOLT, track shoe (for attachments with 78 shoes) (used only with LINK, 316 844 R91) (312)

273 871 R1 NUT, track shoe (hex-type) (for attachments with 72 shoes) (*) (288)

273 871 R1 NUT, track shoe (hex-type) (for attachments with 66 shoes) (*) (264)

273 871 R1 NUT, track shoe (hex-type) (for attachments with 78 shoes) (*) (312)

STREET PLATE

57 526 D SHOE HALF SET, track (10-3/4" track shoe 29 802 DB) (See NOTE B) (34)

254 807 R91 SHOE HALF SET, track (10-3/4" track shoe 29 802 DB) (See NOTE A) (36)
(Included with above -

5/8NF x 1-1/4" hex-hd. cap SCREW (for attachments with 34 shoes) (68)

5/8NF x 1-1/4" hex-hd. cap SCREW (for attachments with 36 shoes) (72)

5/8NF NUT (for attachment with 34 shoes) (68)

5/8NF NUT (for attachment with 36 shoes) (72)

NOTE A - Attachment is for application on tractors equipped with extended track frame or rigid extended track frame having 36 links per track.

NOTE B - Attachment is for application on tractors with standard track frame having 33 links per track.

NOTE C - Attachment is for application on tractors with rigid extended track frame having 39 links per track.

NOTE D - These attachments can be furnished only with the approval of the Construction Equipment Engineering Department.

(*) - Square type track shoe bolt NUT, 263 981 R1 also available for service in place of hex-type 273 871 R1.

(X) - Factory Application - Order on Machine Order Form.
Field Application - Order through regular Service Parts Channels.



MEMORANDA



-69B-

MEMORANDA



-69B-

MEMORANDA



FINAL DRIVE

-70-

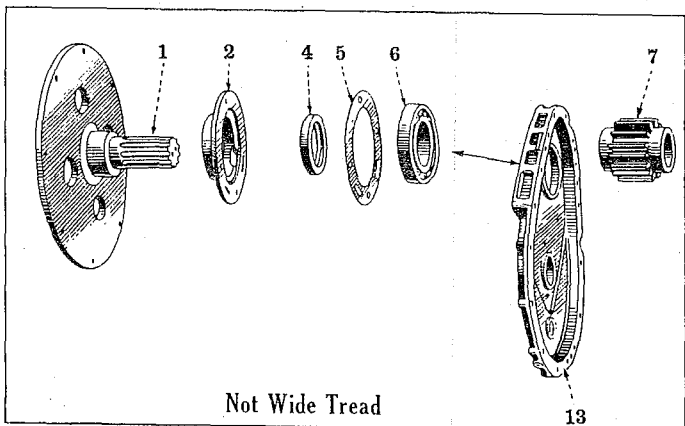
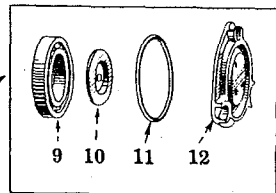
SPROCKET DRIVE, SHAFT, PINION AND SPROCKET AND
TRACK FRAME PIVOT SHAFT



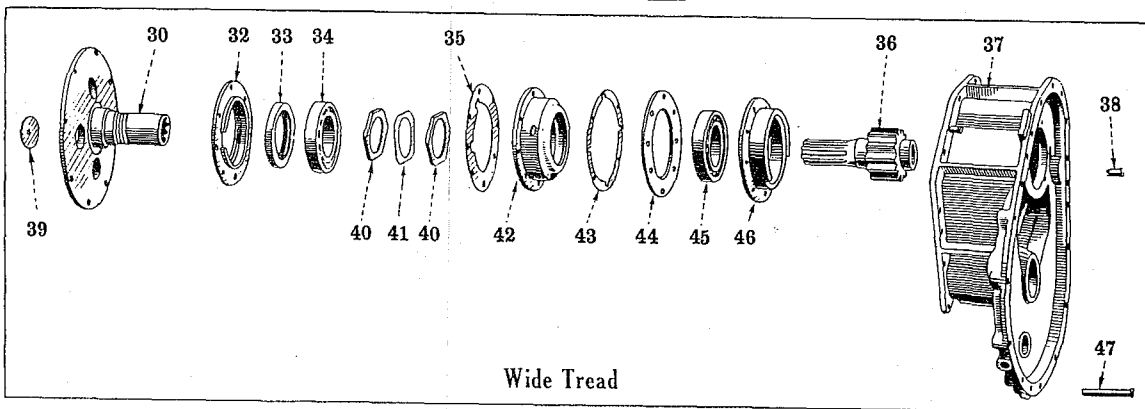
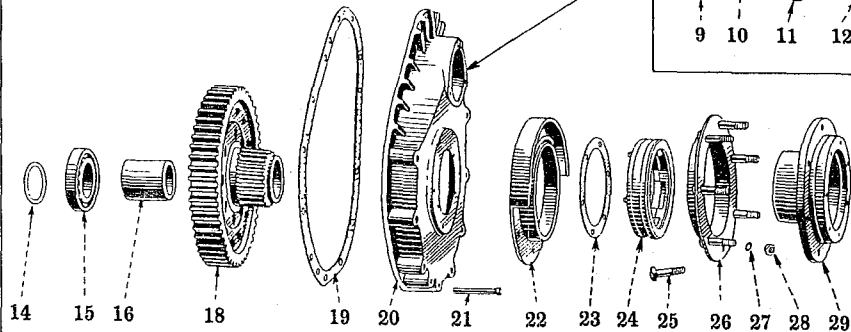
FINAL DRIVE

-70-

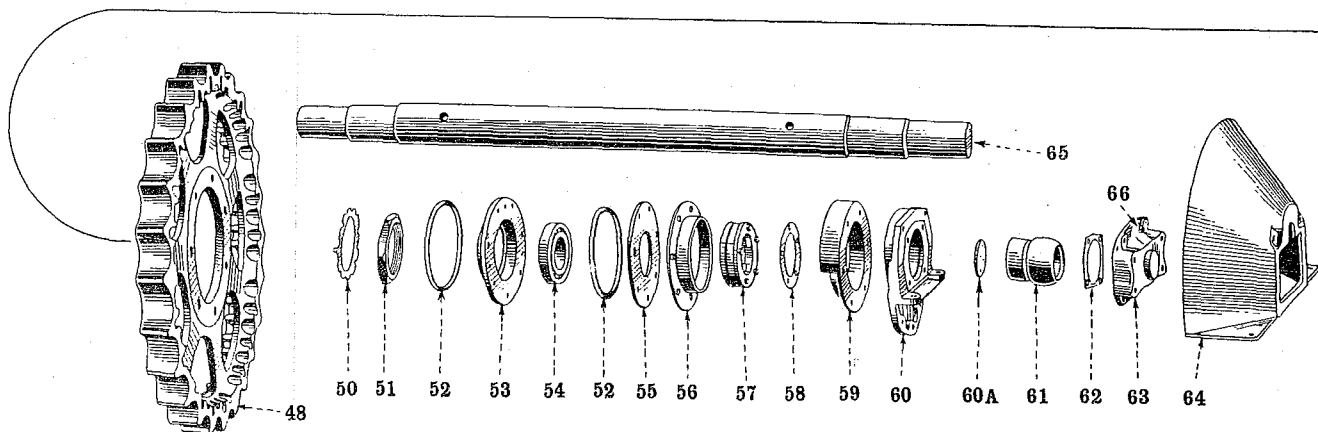
SPROCKET DRIVE, SHAFT, PINION AND SPROCKET AND
TRACK FRAME PIVOT SHAFT - CONTINUED



Not Wide Tread



Wide Tread



IPB-9571B



FINAL DRIVE

REF. NO.	I.H. PART NUMBER	DESCRIPTION
SPROCKET DRIVE, SHAFT, PINION AND SPROCKET AND TRACK FRAME PIVOT SHAFT - CONTINUED		
1	52 209 DA	SHAFT, sprocket-drive pinion (not wide tread) (2)
2	279 825 R1	RETAINER, sprocket drive pinion inner bearing (not wide tread) (2) 3/8 x 1" hex-hd. cap SCREW (4) 3/8" lock WASHER (4)
4	279 493 R92	OIL SEAL, sprocket drive pinion shaft (not wide tread) (2)
5	54 009 D	GASKET, sprocket drive pinion inner bearing retainer (not wide tread) (2)
6	ST 281	BEARING, sprocket drive pinion inner (IHC - PL 275) (2)
7	64 487 DA	PINION, sprocket drive (12 T) (not wide tread) (2)
9	ST 228	BEARING, sprocket drive pinion outer (not wide tread) (2)
9	ST 655	BEARING, sprocket drive pinion outer (wide tread) (2)
10	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)
11	264 123 R1	"O" RING, 5-1/8 x 5-3/8 x 1/8" sprocket drive pinion outer bearing cap (2)
12	8 232 DB	CAP, sprocket drive pinion outer bearing (not wide tread) (2) 1/2 x 1-1/4" hex-hd. cap SCREW (6) 1/2" lock WASHER (6)
12	306 897 R1	CAP, sprocket drive pinion outer bearing (wide tread) (2)
13	8 512 DBX	HOUSING w/two PLUGS, 271 848 R1, PLUG 18 524 R1 and GASKET, 272 925 R1 inner sprocket drive gear (not wide tread) (2) 18 524 R1 PLUG, 1-1/4" sq-soc. stl. pipe (filler plug) 271 848 R1 PLUG, 3/4" sq-soc. stl. pipe (drain plug) (2) 1/2 x 1-3/8" hex-hd. cap SCREW (16) 1/2" lock WASHER (16)
14	295 762 R1	RING, track frame pivot shaft oil seal (2)
15	ST 315	BEARING, inner sprocket drive gear (2)
16	52 225 D	SPACER, sprocket drive gear bearing (2)
18	64 490 DC	GEAR w/NUT, 46 794 DA sprocket drive (57 T) (not wide tread) (2)
18	306 899 R91	GEAR, sprocket drive (58 T) (wide tread) (2)
19	54 012 D	GASKET, sprocket drive gear housing (2)
20	8 513 DB	HOUSING, outer sprocket drive gear (not wide tread) (2) 1/2NF NUT (16) (wide tread) 1/2NF x 1-1/2" hex-hd. cap SCREW (wide tread) (12) 1/2NF x 2-3/4" hex-hd. cap SCREW (wide tread) (4) 1/2 x 3-3/4" hex-hd. cap SCREW (18) 1/2 x 3-1/2" (not wide tread) hex-hd. cap SCREW (16) 1/2" lock WASHER (34)



FINAL DRIVE

REF. NO.	I.H. PART NUMBER	DESCRIPTION
SPROCKET DRIVE, SHAFT, PINION AND SPROCKET AND TRACK FRAME PIVOT SHAFT - CONTINUED		
20	306 700 R1	HOUSING, outer sprocket drive gear (wide tread) (2)
21	54 007 D	PIN, sprocket drive gear outer housing to inner housing dowel (not wide tread) (6)
22	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 (2)
23	313 190 R1	GASKET, sprocket drive oil seal snap-on (will work for 46 751 DA) (2)
24	313 205 R91	OIL SEAL, sprocket drive (will work for 53 537 DA) (2)
25	52 226 DA	BOLT, sprocket carrier (14)
26	52 222 D	DEFLECTOR, sprocket drive oil seal dirt (2)
27		WASHER, lock sprocket carrier bolt (external-tooth 5/8") (14)
28	32 454 D	NUT, sprocket carrier bolt (14)
29	52 229 DA	CARRIER, sprocket (2)
30	52 210 DAXA	SHAFT w/PLUG, 172 599 and two NUTS, 54 013 D sprocket drive pinion (wide tread) (2)
32	8 508 DA	RETAINER, steering clutch support bearing (wide tread) (2) 3/8 x 1-3/8" hex-hd. cap SCREW (8) 3/8" lock WASHER (8)
33	310 514 R91	OIL SEAL, steering clutch support shaft (wide tread) (will work for 279 491 R92) (2)
34	ST 276	BEARING, steering clutch support (wide tread) (2)
35	54 004 D	GASKET, steering clutch support bearing retainer (wide tread) (2)
36	306 896 R1	PINION, sprocket drive (11 T) (wide tread) (2)
37	8 511 DDX	CARRIER w/two PLUG, 271 848 R1, PLUG, 18 524 R1 and GASKET, 272 925 R1 (wide tread) (2) 271 848 R1 PLUG, 3/4" sq-soc. stl. pipe (drain plug) (2) 18 524 R1 PLUG, 1-1/4" sq-soc. stl. pipe (filler plug) 1/2 x 1-3/8" hex-hd. cap SCREW (16) 1/2" lock WASHER (16)
38	22 977 DA	PIN, sprocket drive gear housing to carrier dowel, upper, (wide tread) (4)
39	172 599	PLUG, steering clutch support shaft (expansion 2-3/8") (wide tread) (2)
40	54 013 D	NUT, steering clutch support bearing (wide tread) (4)
41	54 016 D	LOCK, steering clutch support bearing nut (wide tread) (2)
42	275 600 R1	CAGE, LH steering clutch support bearing (wide tread)
42	275 601 R1	CAGE, RH steering clutch support bearing (wide tread)



FINAL DRIVE

REF. NO.	I. H. PART NUMBER	DESCRIPTION
SPROCKET DRIVE, SHAFT, PINION AND SPROCKET AND TRACK FRAME PIVOT SHAFT - CONTINUED		
43	54 003 D	GASKET, steering clutch support bearing cage (wide tread) (2)
44	54 010 D	RETAINER, sprocket drive pinion inner bearing (wide tread) (2) 3/8 x 1-1/4" hex-hd. cap SCREW (4) 3/8" lock WASHER (4)
45	ST 655	BEARING, sprocket drive pinion inner (wide tread) (2)
46	8 509 D	CAGE, sprocket drive pinion inner bearing (wide tread) (2)
47	54 007 D	PIN, lower sprocket drive gear housing to carrier dowel) (wide tread) (2)
48	8 450 DA	SPROCKET (27 T) (not cutaway) (2)
48	8 775 DA	SPROCKET (cutaway) (27 T) (2)
50	46 795 D	LOCK, sprocket drive gear carrier nut (2)
51	46 794 DA	NUT, sprocket drive gear carrier (2)
52	264 263 R1	RING, sprocket drive gear outer bearing cage, packing (outer ring) (2)
52	264 262 R1	RING, sprocket drive gear outer bearing cage packing (inner ring) (2)
53	264 261 R2	CAGE, sprocket drive gear outer bearing (2)
54	ST 223 A	BEARING, outer sprocket drive gear (2)
55	54 514 D	RETAINER, sprocket drive gear outer bearing (2)
56	54 515 D	DEFLECTOR, track frame pivot oil seal dirt (2)
	264 259 R1	BOLT, sprocket drive gear outer bearing retainer (14) 7/16" external-tooth lock WASHER (12)
57	313 206 R91	OIL SEAL, track frame pivot (will work for 53 538 DA) (2)
58	313 191 R1	GASKET, track frame pivot oil seal snap-on (will work for 46 799 DA) (2)
59	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)
60	266 059 R1	BRACKET, track frame pivot (2)
	262 650 R1	BOLT, track frame pivot bracket (top) (4)
	266 060 R1	BOLT, track frame pivot bracket (side) (6)
	262 651 R1	NUT, track frame pivot bracket top bolt (4)
	45 293 D	NUT, track frame pivot bracket side (6)
60A	261 289 R1	SHIM, track frame pivot bearing (heavy) (12)
60A	261 290 R1	SHIM, track frame pivot bearing (light) (8)
61	260 892 R2	BEARING, track frame pivot (2) 5/8NF x 1-1/2" hex-hd. cap SCREW (4)
62	53 627 D	GASKET, track frame pivot bracket cap (2)
63	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)



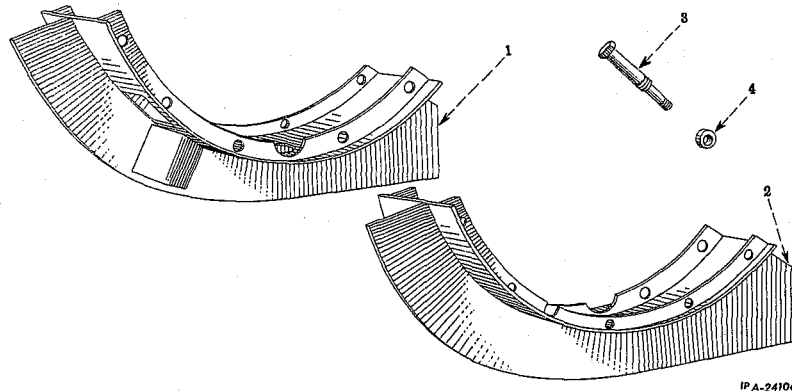
FINAL DRIVE

REF. NO.	I. H. PART NUMBER	DESCRIPTION
SPROCKET DRIVE, SHAFT, PINION AND SPROCKET AND TRACK FRAME PIVOT SHAFT - CONTINUED		
64	53 539 DBX	SHIELD w/SUPPORT and SPACER, sprocket (2) 1/2" NUT (not extended track frame) (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 (not extended track frame) (4) 7/16" lock WASHER (4) 1/2" lock WASHER (8)
65	260 893 R1	SHAFT, track frame pivot (not wide tread)
65	260 894 R1	SHAFT, track frame pivot (wide tread)
66	126 152	FITTING, track frame pivot lubrication (optional with 271 283) (2)
66	271 283	FITTING, track frame pivot lubrication (optional with 126 152) (2)
	57 536 D	ATTACHMENT, cutaway sprocket (consists of two SPROCKETS, 8 775 DA and two WIRES, 263 945 R1) (See NOTES 1 and 3)
	272 925 R1	GASKET, sprocket drive oil filler plug (4)
	46 809 D	SCREW, set, track frame pivot shaft (2) 5/8" jam NUT (2)
	263 945 R1	WIRE, lock track master link pin (2)
NOTE 1 - Factory Application - Order on Machine Order Form.		
NOTE 3 - Field Application - Order through regular Service Parts Channels.		



FINAL DRIVE

SPROCKET DRIVE HOUSING SHIELD



REF. NO.	I. H. PART NUMBER	DESCRIPTION
	257 777 R91	ATTACHMENT, sprocket drive housing shield (See NOTES 1 and 3)
1	257 778 R91	SHIELD, LH sprocket drive housing
2	257 779 R91	SHIELD, RH sprocket drive housing

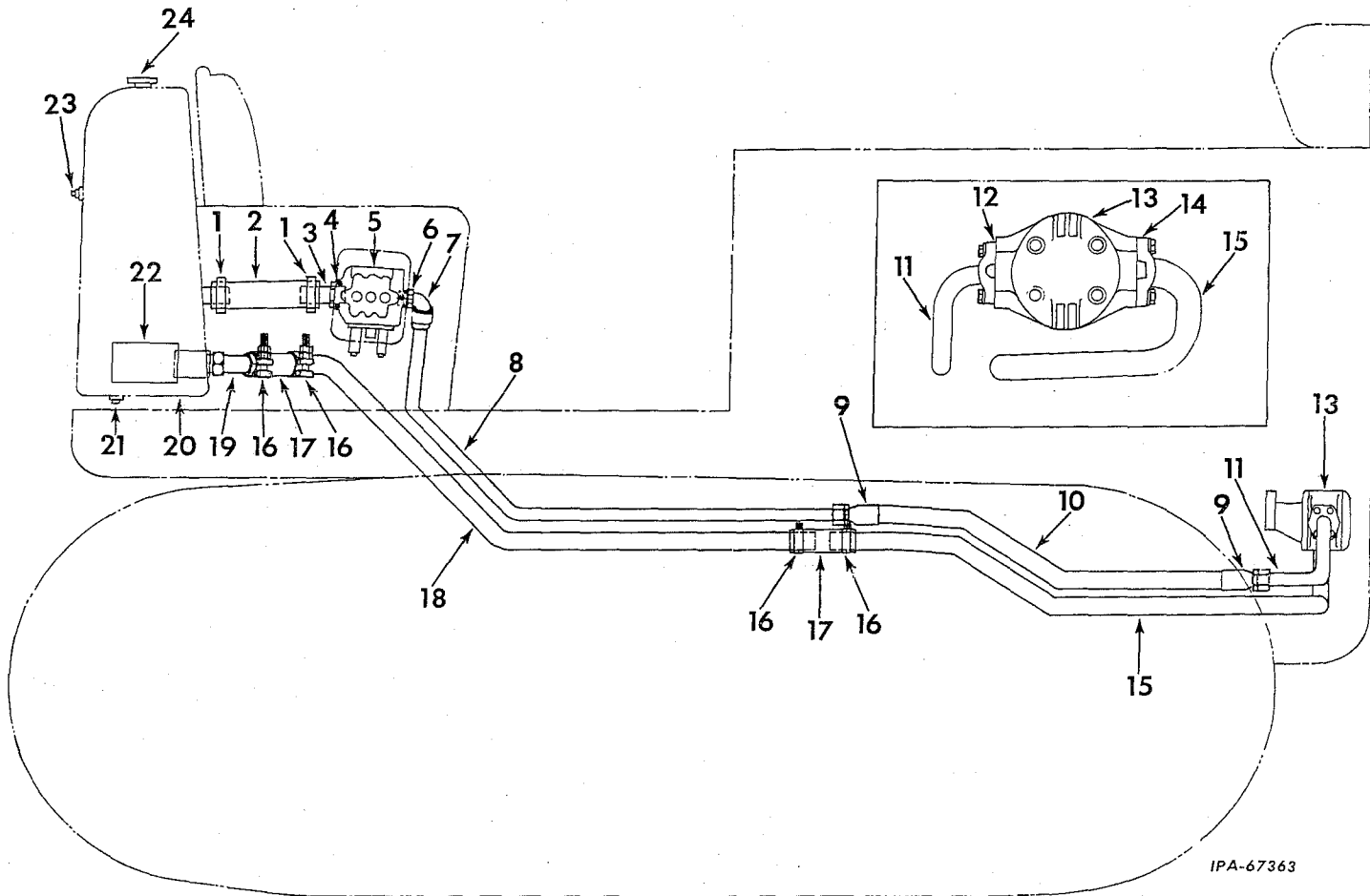
REF. NO.	I. H. PART NUMBER	DESCRIPTION
3	257 785 R1	BOLT, sprocket drive shield (10) 3/8NF NUT (10) 3/8" external-tooth lock WASHER (10)
4	257 786 R1	COLLAR, sprocket drive housing shield support (10)

NOTE 1 - Factory Application - Order on Machine Order Form.
NOTE 3 - Field Application - Order through regular Service Pzrts Channels.



HYDRAULIC SYSTEM

HYDRAULIC CONTROL ATTACHMENT



IPA-67363

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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(X) - KEY TO UNITS -

A-	331 010 R91	ATTACHMENT, hydraulic control (triple spool) (for tractors equipped with front power take-off drive Attachment) (See NOTES 1 and 3)
B-	331 011 R91	ATTACHMENT, hydraulic control (single spool) (for tractors equipped with front power take-off drive Attachment) (See NOTES 1 and 3)

(X) - Letters of these units correspond with those shown following the description of the parts in the list below and identifies the unit for which the part is used. Items without letters after the description indicates the part is used for all units.

1	338 703 R91	CLAMP, valve to tank hose (2)
2	313 703 R1	HOSE, valve to tank (Unit A)
2	324 500 R91	HOSE, valve to tank (Unit B)
3	325 327 R91	STEM, valve return line
4	307 915 R1	"O" RING, valve return line stem (1.475 x 1.495 x .010")

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HYDRAULIC SYSTEM

HYDRAULIC CONTROL ATTACHMENT - CONTINUED

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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5	324 462 R91	VALVE ASSEMBLY, single spool (for components see list of parts under details of "Hydraulic Control Valve") (Unit B)
5	324 463 R91	VALVE ASSEMBLY, triple spool (for components see list of parts under details of "Hydraulic Control Valve") (Unit A)
	297 459 R1	1/2" stover lock NUT (3)
	9 410 362	"O" RING, valve plug (1.048 x 1.060 x .006") (X)
		PLUG, valve (X)
		1/2 x 3-3/4" hex-hd cap SCREW (3)
6	297 247 R1	"O" RING, elbow (1.171 x 1.183 x .006")
7	9 410 981	ELBOW, 90°
8	324 514 R91	TUBE, high pressure rear
9	313 392 R91	FITTING, rigid male 37° flare hose (2)
10	324 518 R91	HOSE w/two FITTINGS, 313 392 R91, high pressure (HOSE, 1" ID x 36" long including FITTINGS)

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

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

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HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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HYDRAULIC CONTROL ATTACHMENT - CONTINUED

10		HOSE w/o FITTINGS, cut length 1" ID x 31" long cut from Bulk Hose No. 313 245 R1
11	324 464 R91	TUBE, high pressure front
12	290 045 R1 252 482 R1	CLAMP-HALF, split flange (1-1/4") (2) "O" RING (1.484 x 1.762 x .139) 7/16 x 1-1/2" hex-hd cap SCREW (4) 7/16" lock WASHER (4)
13	324 461 R91	PUMP ASSEMBLY, hydraulic (for components see list of parts under details of "Hydraulic Pump") 3/4 x 1-3/4" hex-hd cap SCREW (4) 3/4" lock WASHER (4)
14	301 844 R1 255 088 R1	CLAMP-HALF, split flange (1-1/2") (2) "O" RING (1.859 x 2.137 x .139") 1/2 x 1-1/2" hex-hd cap SCREW (4) 1/2" lock WASHER (4)
15	324 466 R91	TUBE, low pressure front
16	327 257 R91	CLAMP, low pressure tube hose (4)
17	327 255 R1	HOSE, low pressure tube connecting (2)
18	324 465 R91	TUBE, low pressure rear
19	331 040 R91	TUBE, tank suction
20	331 021 R91 1 001 402 R1 263 561 R2	TANK, hydraulic DECALCOMANIA, oil level 1/2" NUT (2) 1/2 x 1-1/4" hex-hd cap SCREW (2) SHIM, tank mounting (X) 1/2" lock WASHER (2)
21	103 880	PLUG, drain (1/2" sq-hd pipe)
22	324 459 R91	FILTER, hydraulic tank
23	103 879	PLUG, oil level (3/8" sq-hd pipe)
24	80 889 R91	CAP, No. 7 filler
	264 097 R2	BALL (3 for Unit A) (Unit B) (%)
	324 512 R1	BUSHING, control handle (%)
	299 926 R1	COUPLING, front power take-off (splined)
	331 041 R1	CUSHION, RH seat side (illustrated and listed with "Seats and Supports")
	331 005 R1	DRAWING, fender rework
	109 460	FITTING, 1/8" lubrication (Lincoln 5300) (optional with 271 284) (3 for Unit A) (Unit B) (%)
	271 284	FITTING, 1/8" lubrication (Alemite 1612B) (optional with 109 460) (3 for Unit A) (Unit B) (%)
	331 032 R1	GASKET, cover plate
	331 018 R11	HANDLE w/BUSHING, 324 512 R1, control (%)
	313 245 R1	HOSE, bulk, 1" ID (X)
	331 037 R91	LEVER, back auxiliary control (Unit A) (%)
	331 038 R91	LEVER, middle auxiliary control (Unit A) (%)
	331 020 R1	LINK, valve control (2 for Unit A) (Unit B) (%)
	261 035 R1	WASHER, 25/64 x 3/4 x 3/32" (3 for Unit A) (Unit B) (%)



HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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HYDRAULIC CONTROL ATTACHMENT - CONTINUED

103 496	PIN, rod end (3 for Unit A) (Unit B) (%)
107 762	PIN, 3/32 x 5/8" cotter (3 for Unit A) (Unit B) (%)
18 518 R1	PIN, 1/8 x 1" roll (2 for Unit A) (Unit B) (%)
17 084 R1	PIN, 1/8 x 1-1/4" roll (%)
331 012 R91	PLATE, valve mounting 3/8NF x 5/8" hex-hd cap SCREW (6) 3/8 x 3/4" hex-hd cap SCREW (6) 3/8" lock WASHER (12)
331 034 R1	PLATE, cover 3/8 x 7/8" hex-hd cap SCREW (8) 3/8" lock WASHER (8)
331 017 R1	SHAFT, control lever (%)
331 042 R1	SHAFT, auxiliary control lever (Unit A) (%)
331 014 R11	SHEET, LH side (also listed with "Seats and Supports") 3/8NF x 5/8" hex-hd cap SCREW (6) 3/8 x 3/4" hex-hd cap SCREW (6) 3/8" lock WASHER (12)
331 035 R1	SHEET, RH side (also listed with "Seats and Supports") 3/8 x 5/8" hex-hd cap SCREW (8) 3/8" lock WASHER (8)
331 036 R11	SHEET, valve enclosure (also listed with "Seats and Supports") 3/8 x 5/8" hex-hd cap SCREW (4) 3/8 x 3/4" hex-hd cap SCREW 3/8" lock WASHER (5)
331 016 R1	SUPPORT, blade control (%) 3/8 x 1" hex-hd cap SCREW (2) 3/8" lock WASHER (2)
331 039 R1	SUPPORT, auxiliary control (Unit A) (%) 3/8 x 1" hex-hd cap SCREW (3) 3/8" lock WASHER (3)

(X) - Order cut length required.

(X) - As Required.

(%) - Illustrated and listed with "Hydraulic
Controls".

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

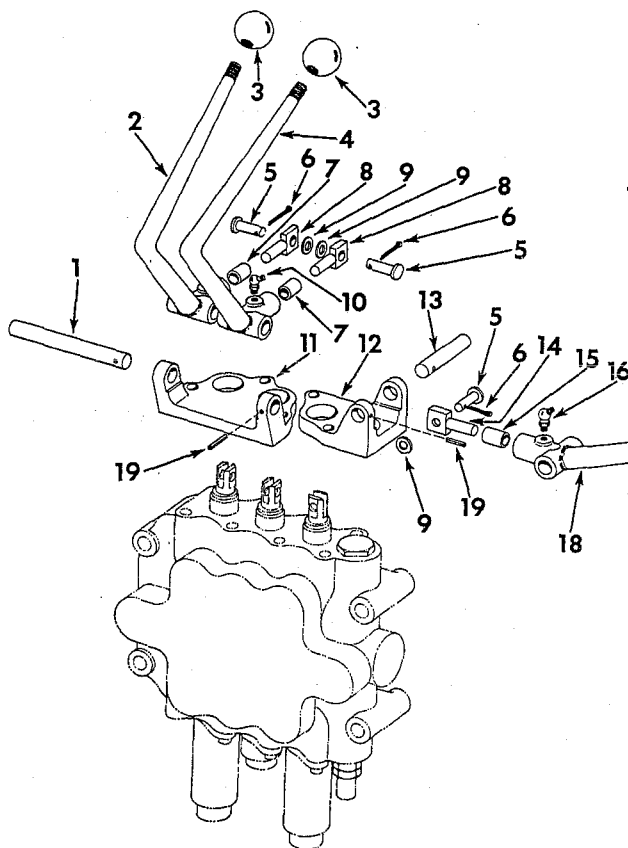
NOTE 3 - Field Application - Order through
Regular Service Parts Channels.



HYDRAULIC SYSTEM

HYDRAULIC CONTROLS

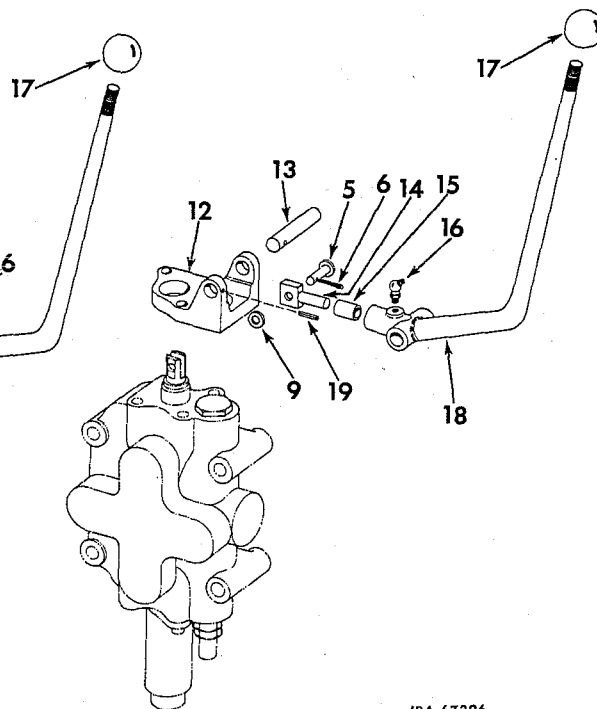
(Part of "Hydraulic Control Attachments" 331 010 R91 and 331 011 R91)



HYDRAULIC SYSTEM

HYDRAULIC CONTROLS - CONTINUED

(Part of "Hydraulic Control Attachments" 331 010 R91 and 331 011 R91)



IPA-67396

REF. NO.	I.H. PART NUMBER	DESCRIPTION
(X) - KEY TO UNITS -		
A - Hydraulic Controls for triple spool valve.		
B - Hydraulic Controls for single spool valve.		
(X) - Letters of these units correspond with those shown following the description of the parts in the list below and identifies the unit for which the part is used. Items without letters after the description indicates the part is used for all units.		
1	331 042 R1	SHAFT, control lever (Unit A)
2	331 037 R91	LEVER w/BUSHING, 324 512 R1, back auxiliary control (Unit A)
3	264 097 R2	BALL, control lever (2 for Unit A)
4	331 038 R91	LEVER w/BUSHING, 324 512 R1, middle auxiliary control (Unit A)
5	103 496	PIN, 3/8" rod end (3 for Unit A) (Unit B)
6	107 762	PIN, 3/32 x 5/8" cotter (3 for Unit A) (Unit B)
7	324 512 R1	BUSHING, control lever (2 for Unit A)
8	331 020 R1	LINK, control valve lever (2 for Unit A)
9	261 035 R1	WASHER, 25/64 x 3/4 x 3/32" (3 for Unit A) (Unit B)

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REF. NO.	I.H. PART NUMBER	DESCRIPTION
10	109 460	FITTING, control lever lubrication (1/8" x 45°) (Lincoln 5300) (optional with 271 284) (2 for Unit A)
10	271 284	FITTING, control lever lubrication (1/8" x 45°) (Alemite 1612B) (optional with 109 460) (2 for Unit A)
11	331 039 R1	SUPPORT, auxiliary control lever (Unit A) 3/8 x 1" hex-hd cap SCREW (3) 3/8" lock WASHER (3)
12	331 016 R1	SUPPORT, blade control handle 3/8 x 1" hex-hd cap SCREW (2) 3/8" lock WASHER (2)
13	331 017 R1	SHAFT, control handle
14	331 020 R1	LINK, control valve handle
15	324 512 R1	BUSHING, control handle
16	109 460	FITTING, control handle lubrication (1/8" x 45°) (Lincoln 5300) (optional with 271 284)
16	271 284	FITTING, control handle lubrication (1/8" x 45°) (Alemite 1612B) (optional with 109 460)
17	264 097 R2	BALL, control handle
18	331 018 R11	HANDLE w/BUSHING, 324 512 R1, control
19	18 518 R1	PIN, 1/8 x 1" roll (2 for Unit A) (Unit B)

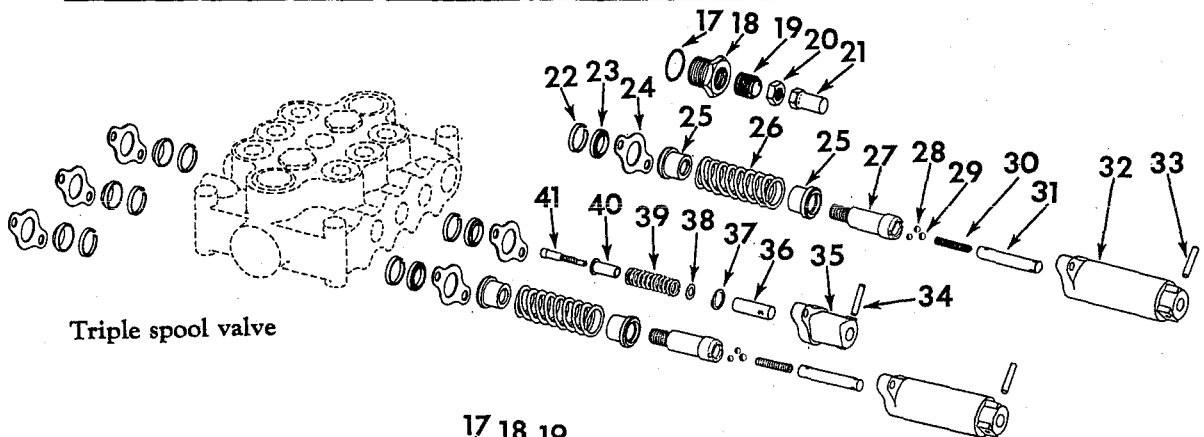
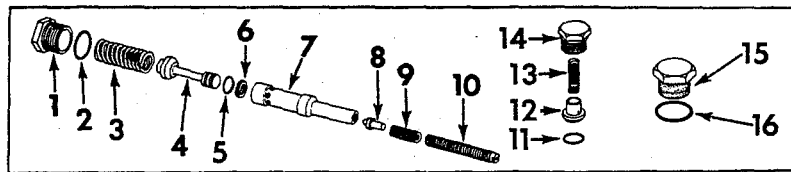
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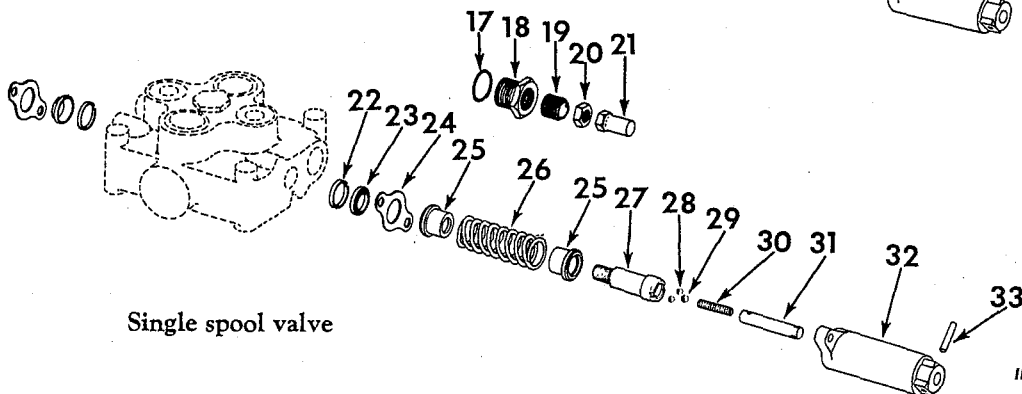
HYDRAULIC SYSTEM

HYDRAULIC CONTROL VALVE

(Husco) (Part of Hydraulic Control Attachment, 331 010 R91 and 331 011 R91)



Triple spool valve



Single spool valve

IPA-66707

REF. NO.	I.H. PART NUMBER	DESCRIPTION
(X) - KEY TO UNITS -		
A -	324 462 R91	VALVE, single spool (3201-12) (part of Hydraulic Control Attachment, 331 011 R91)
B -	324 463 R91	VALVE, triple spool (3203-22) (part of Hydraulic Control Attachment, 331 010 R91)
(X) - Letters of these units correspond with those shown following the description of the parts in the list below and identifies the unit for which the part is used. Items without letters after the description indicates the part is used for all units.		
1	324 593 R1	PLUG, relief valve (3239)
2	164 523 R1	"O" RING, relief valve (1 x 1-1/4 x 1/8") (optional with 350 818 R1)
2	350 818 R1	"O" RING, relief valve (1 x 1-1/4 x 1/8") (optional with 164 523 R1)
3	324 594 R1	SPRING, relief valve (3232)
4	324 595 R1	POPPET, relief valve (3234)
5	355 966 R1	"O" RING, poppet (7/16 x 5/8 x 3/32") (139)
6	324 597 R1	RING, back up (3128)

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HYDRAULIC SYSTEM

HYDRAULIC CONTROL VALVE - CONTINUED

(Husco) (Part of Hydraulic Control Attachment, 331 010 R1 and 331 011 R91)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
7	324 596 R1	SLEEVE, relief valve (3233)
8	324 598 R1	POPPET, pilot relief (3087)
9	324 599 R1	SPRING, relief valve (3231)
10	324 602 R1	SCREW, relief valve adjusting (3240)
11	164 523 R1	"O" RING, check valve plug (1 x 1-1/4 x 1/8") (optional with 350 818 R1) (Unit A) (3 for Unit B)
11	350 818 R1	"O" RING, check valve plug (1 x 1-1/4 x 1/8") (optional with 164 523 R1) (Unit A) (3 for Unit B)
12	324 607 R1	POPPET, check valve (3248) (Unit A) (3 for Unit B)
13	324 608 R1	SPRING, check valve poppet (3247) (Unit A) (3 for Unit B)
14	324 606 R1	PLUG, check valve (3246) (Unit A) (3 for Unit B)

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HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
HYDRAULIC CONTROL VALVE - CONTINUED (Husco) (Part of Hydraulic Control Attachment, 331 010 R91 and 331 011 R91)		
15	324 605 R1	PLUG, outlet (3286)
16	296 247 R1	"O" RING, outlet plug (1.171 x 1.403 x .116")
17	164 523 R1	"O" RING, relief valve, pilot plug (1 x 1-1/4 x 1/8") (optional with 350 818 R1)
17	350 818 R1	"O" RING, relief valve, pilot plug (1 x 1-1/4 x 1/8") (optional with 164 523 R1)
18	324 600 R1	PLUG, relief valve pilot (3238)
19	324 601 R1	PLUG, relief valve adjusting (3235)
20	324 603 R1	NUT, adjusting screw (3236)
21	324 604 R1	NUT, castle (3013)
22	324 609 R1	RING, seal support (3138) (2 for Unit A) (6 for Unit B)
23	324 590 R1	SEAL, wiper (3237) (2 for Unit A) (6 for Unit B)
24	324 591 R1	PLATE, seal (3141) (2 for Unit A) (6 for Unit B) 3/8 x 1/2" slt-rd-hd mach SCREW (2 for Unit A) (6 for Unit B)
25	324 588 R1	SEAT, spring (3090) (2 for Unit A) (4 for Unit B)
26	324 585 R1	SPRING, detent plunger (3224-A) (Unit A) (3 for Unit B)
27	324 586 R1	SLEEVE, plunger detent end (3091) (Unit A) (2 for Unit B)
28	16 007 R1	BALL, detent (7/32" dia) (3272) (3 for Unit A) (6 for Unit B)
29	16 009 R1	BALL, detent (9/32" dia) (3229) (Unit A) (2 for Unit B)
30	324 589 R1	SPRING, detent (3274) (Unit A) (2 for Unit B)
31	324 587 R1	PIN, detent (3226) (Unit A) (2 for Unit B)
32	324 584 R1	CAP, detent plunger (3223) (Unit A) (2 for Unit B) 3/8 x 1" hex-soc-hd cap SCREW (2 for Unit A) (6 for Unit B)
33	17 053 R1	PIN, detent pin retaining (3245) (Unit A) (2 for Unit B)
34	17 053 R1	PIN, plunger female pin retaining (3245) (Unit B)
35	324 610 R1	CAP, plunger (3275) (Unit B)
36	324 611 R1	PIN, plunger female (3242) (Unit B)
37	324 592 R1	RING, snap (3244) (Unit B)
38	324 615 R1	WASHER, spring stop (3243) (Unit B)
39	324 614 R1	SPRING, plunger (3271) (Unit B)
40	324 613 R1	SLEEVE, plunger (3249) (Unit B)
41	324 613 R1	SCREW, plunger cap (3241) (Unit B)

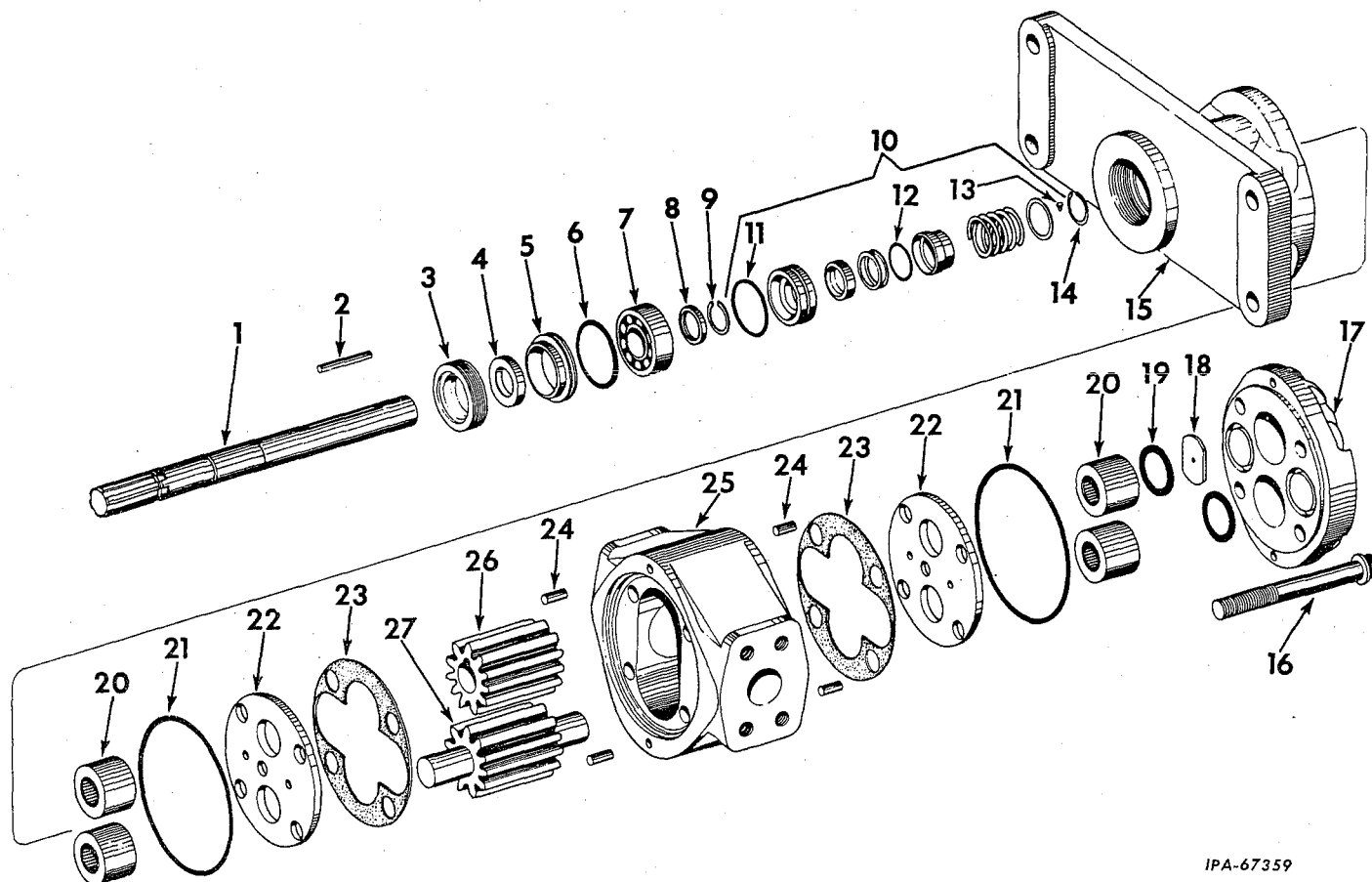


MEMORANDA



HYDRAULIC SYSTEM

HYDRAULIC PUMP
(Hydreco) (Part of Hydraulic Control Attachment, 331 010 R91
and 331 011 R91)



IPA-67359

REF. NO.	I. H. PART NUMBER	DESCRIPTION
	324 461 R91	PUMP ASSEMBLY, hydraulic (2025A17K2AL) (Consists of the following parts -
1	338 568 R1	SHAFT, drive (4X2025X53)
2	338 571 R1	PIN, drive gear (A956X4)
3	321 764 R91	RETAINER ASSEMBLY, bearing (713X36)
4	321 770 R91	OIL SEAL, sleeve (A907X5)
5	321 763 R1	SLEEVE, shaft seal (830X351)
6	612 681 R1	"O" RING, seal sleeve (1.875 x 2.0625 x .0937)
7	321 754 R91	BEARING, shaft roller (A754X4)
8	321 762 R1	RETAINER, snap ring (A506X12)
9	321 761 R1	RING, snap (812X137)
10	321 755 R91	PACKAGE, seal seat and seal field service
11	321 759 R1	"O" RING, seal seat (1.812 x 2 x .094")
12	283 401 R1	"O" RING, drive shaft seal (1 x 1.1874 x .0937")
13	321 757 R1	KEY, drive shaft seal seat (827X83)
14	296 939 R1	RING, snap (812X90)

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HYDRAULIC SYSTEM

HYDRAULIC PUMP - CONTINUED
(Hydreco) (Part of Hydraulic Control Attachment, 331 010 R91
and 331 011 R91)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
15	343 549 R1	ADAPTER (2X20X70)
16	296 854 R1	SCREW, 5/8NF x 4-1/2 (A136X14) (4)
17	321 753 R1	COVER, pump (3X20X24)
18	321 768 R1	WASHER, thrust (834X6)
19	293 739 R1	"O" RING, cover (1.375 x 1.625 x .125) (4)
20	321 769 R91	BEARING, roller (A340X34) (4)
21	252 735 R1	"O" RING, housing (5 x 5.250 x .125) (2)
22	321 765 R1	PLATE, wear (12X20X5) (2)
23	296 937 R1	GASKET (712X93A) (X)
23	296 938 R1	GASKET (712X93B) (X)
24	272 843 R1	PIN, locating (A550X2) ("
25	338 569 R1	HOUSING, pump (1X2025X17)
26	338 570 R1	GEAR, drive (6X2025X6)
27	296 851 R1	GEAR, driven (6X2025X2)
		(X) - As Required.

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HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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HYDRAULIC REMOTE CONTROL ATTACHMENTS

(Many of the parts in the Attachments listed below are illustrated on the following pages)

(X) - KEY TO UNITS -

- A - 314 119 R91 ATTACHMENT, hydraulic remote control (single spool) (for tractors equipped with front power take-off drive ATTACHMENT) (See NOTES 1 and 3)
- B - 314 120 R91 ATTACHMENT, hydraulic remote control (dual spool) (for tractors equipped with front power take-off drive ATTACHMENT) (See NOTES 1 and 3)

(X) - Letters of these units correspond with those shown following the description of the parts in the list below and identifies the unit for which the part is used. Items without letters after the description indicates the part is used for all units.

- 264 097 R2 BALL, control valve handle (Unit A and 2 for Unit B)
- 309 574 R1 BRACKET, hydraulic control handle (Unit A and 2 for Unit B)
1/4 x 1-1/8" hex-hd. cap SCREW (4)
1/4" lock WASHER (4)
- 128 003 BUSHING, 1" to 3/4 reducer (at tank)
144 034 BUSHING, 3/4 to 1/2 reducer (at pump pressure port)
- 274 086 R91 CLAMP, hose (2)
301 819 R91 CLAMP, hose
- 308 882 R1 CLAMP, hose
3/8" NUT
3/8 x 1-1/4" hex-hd cap SCREW
3/8" lock WASHER
7/16 x 1-3/8" x .083" WASHER
- 299 926 R1 COUPLING, power take-off splined
17 984 R1 PIN, 1/8 x 1/4" Esna
- 108 686 ELBOW, 1/2 x 90° street (at pump)
108 687 ELBOW, 1" x 90° street (at tank)
141 621 ELBOW, 3/4 x 90° street (at pump)
- 324 933 R1 GUARD, hose
- 314 117 R91 HANDLE, control valve (Unit A)
1/2NF stover lock NUT
1/2NF x 1-5/8" hex-hd. cap SCREW
- 314 117 R91 HANDLE, LH control valve (Unit B)
314 118 R91 HANDLE, RH control valve (Unit B)
1/2NF stover lock NUT
1/2NF x 3-1/4" hex-hd. cap SCREW
17/32 x 1-1/16 x 3/32" flat WASHER
- 313 487 R91 HOSE, return
- 313 489 R91 HOSE, pressure
- 311 110 R1 LINK, valve mounted control (Unit A and 2 for Unit B)
1/8 x 5/8" cotter PIN (2 for Unit A and 4 for Unit B)
11/32 x 11/16 x 16 ga. flat WASHER (2 for Unit A and 4 for Unit B)
- 310 594 R1 NUT, tube adapter swivel (2)
- 144 000 PLUG, 1" pipe (filler and drain) (2)
- 9 410 360 PLUG, cylinder port (2 for Unit A and 4 for Unit B)
- 313 485 R91 PUMP ASSEMBLY, hydraulic (Webster No. 152-27817) (for components see list of parts under details of "Hydraulic Pump")



HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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HYDRAULIC REMOTE CONTROL ATTACHMENTS - CONTINUED

(Many of the parts in the Attachments listed below are illustrated on the following pages)

- 314 121 R91 RESERVOIR, oil
3/8 x 1" hex-hd. cap SCREW (3)
3/8" lock WASHER (3)
- 289 767 R91 RETARDER, splash
- 297 459 R1 RING, tube seal (2)
- 350 818 R1 RING, tube seal (2)
- 364 885 R1 RING, cylinder port sealing (2 for Unit A and 4 for Unit B)
- 354 868 R93 STRAINER, oil reservoir
- 310 596 R91 TUBE, return
- 313 486 R91 TUBE, pressure
- 313 490 R91 TUBE, valve to tank
- 309 174 R91 VALVE ASSEMBLY, single spool (for components see list of parts under details of "Hydraulic Valve") (Unit A)
- 309 200 R91 VALVE ASSEMBLY, dual spool (for components see list of parts under details of "Hydraulic Valve") (Unit B)
- 309 572 R1 WASHER, tube back up (2)
- 309 571 R1 WIRE, tube adapter retaining (2)

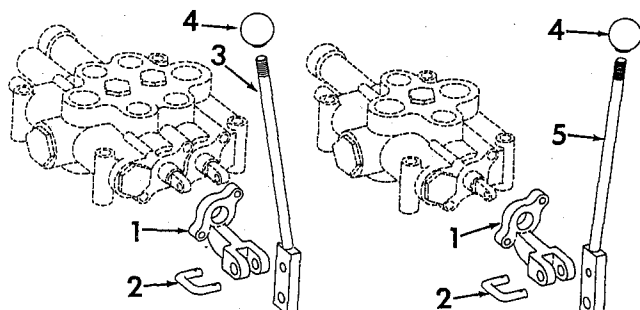
(+) - When ordered for field application on machines equipped with Radiator Guard Attachment, 307 143 R91, Door 307 130 R21 be ordered separately.



HYDRAULIC SYSTEM

HYDRAULIC CONTROLS

(Part of Hydraulic Remote Control Attachment,
314 119 R91 and 314 120 R91)



IPA-60145 A

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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(X) - KEY TO UNITS -

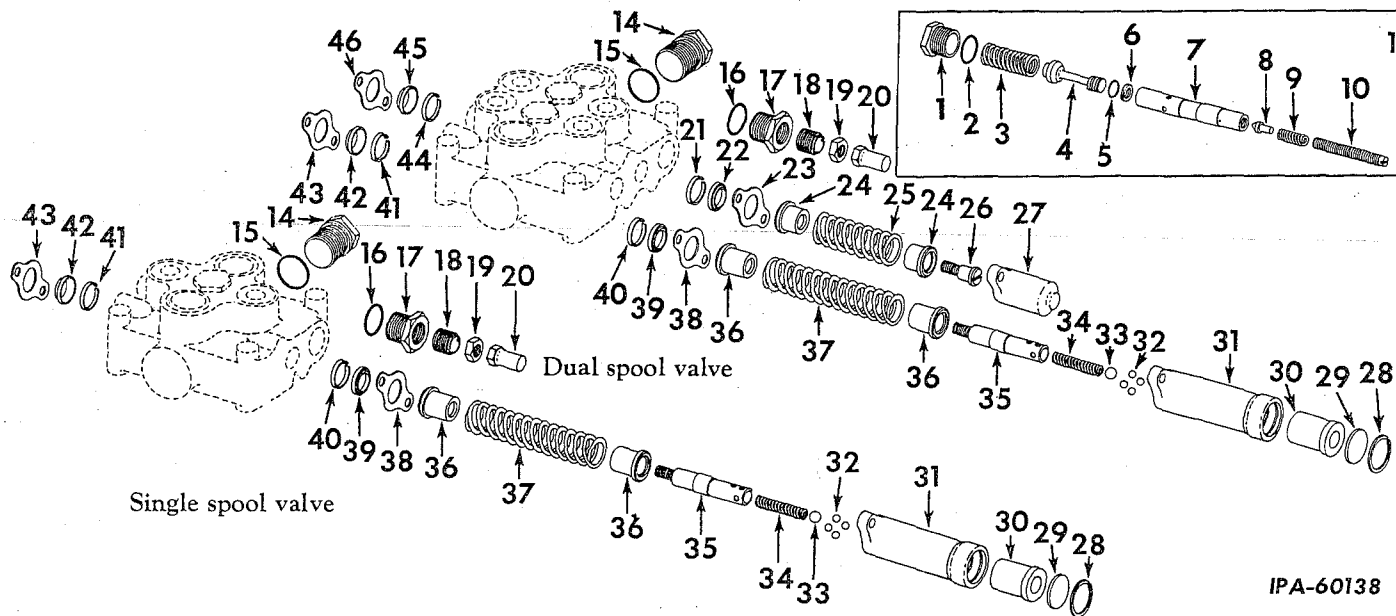
A - Hydraulic Control for Hydraulic Remote Control Attachment, 314 119 R91.

B - Hydraulic Controls for Hydraulic Remote Control Attachment, 314 120 R91.

(X) - Letters of these units correspond with those shown following the description of the parts in the list below and identifies the unit for which the part is used. Items without letters after the description indicates the part is used for all units.

HYDRAULIC CONTROL VALVE

(Husco) (Part of Hydraulic Remote Control Attachment,
314 119 R91 and 314 120 R91)



Single spool valve

Dual spool valve

IPA-60138



HYDRAULIC SYSTEM

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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HYDRAULIC CONTROLS - CONTINUED

(Part of Hydraulic Remote Control Attachment,
314 119 R91 and 314 120 R91)

1	309 574 R1	BRACKET, hydraulic control handle (Unit A and 2 for Unit B) 1/4 x 1-1/8" hex-hd. cap SCREW (2 for Unit A and 4 for Unit B) 1/4" lock WASHER (2 for Unit A and 4 for Unit B)
2	311 110 R1	LINK, valve mounted control (Unit A and 2 for Unit B) 1/8 x 5/8" cotter PIN (2 for Unit A and 4 for Unit B) 11/32 x 11/16 x 16 ga. flat WASHER (2 for Unit A and 4 for Unit B)
3	314 117 R91	HANDLE, LH control valve (Unit B)
3	314 118 R91	HANDLE, RH control valve (Unit B) 1/2NF stover lock NUT 1/2NF x 3-1/4" hex-hd. cap SCREW 17/32 x 1-1/16 x 3/32" flat WASHER
4	264 097 R2	BALL, control valve handle (Unit A and 2 for Unit B)
5	314 117 R91	HANDLE, control valve (Unit A) 1/2NF stover lock NUT 1/2NF x 1-5/8" hex-hd. cap SCREW

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

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

HYDRAULIC CONTROL VALVE - CONTINUED

(Husco) (Part of Hydraulic Remote Control Attachment,
314 119 R91 and 314 120 R91)



HYDRAULIC SYSTEM

REF. NO.	I.H. PART NUMBER	DESCRIPTION
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HYDRAULIC CONTROL VALVE - CONTINUED
(Husco) (Part of Hydraulic Remote Control Attachment,
314 119 R91 and 314 120 R91)

(X) KEY TO UNITS

- A - 309 174 R91 VALVE w/standard float SPOOL, single spool
(3301-2) (part of Hydraulic Remote Control
Attachment, 314 119 R91)
- B - 309 200 R91 VALVE w/standard float SPOOL, dual spool
(3302-13) (part of Hydraulic Remote Control
Attachment, 314 120 R91)

(X) - Letters of these units correspond with those shown following
the description of the parts in the list below and identifies
the unit for which the part is used. Items without letters
after the description indicates the part is used for all units.

1	310 807 R1	PLUG, relief valve (3339)
2	368 269 R1	"O" RING, 3/4" tubing
3	310 808 R1	SPRING, relief valve poppet (3332A)
4	310 810 R1	POPPET, relief valve (3335)
5	355 967 R1	"O" RING, 1/2 x 3/8 x 1/16"
6	310 811 R1	RING, back-up (3582)
7	310 809 R1	SLEEVE, relief valve (3334)
8	310 812 R1	POPPET, relief valve pilot (3336)
9	310 813 R1	SPRING, relief valve pilot (3333)
10	310 816 R1	SCREW, relief valve adjusting (3337)
11	310 819 R1	POPPET, check valve (3375) (Unit A and 2 for Unit B)
12	310 820 R1	SPRING, check valve poppet (3519) (Unit A and 2 for Unit B)
13	310 821 R1	PLUG, check valve (3376) (Unit A and 2 for Unit B)
14	310 850 R1	PLUG, port (3393) (2)
15	297 459 R1	"O" RING, 7/8" tubing (3394) (2)
16	368 269 R1	"O" RING, 3/4" tubing
17	310 815 R1	PLUG, relief valve pilot (3340)
18	310 814 R1	SLEEVE, adjusting screw (3388)
19	310 817 R1	NUT, adjusting screw lock (3388)
20	310 818 R1	NUT, adjusting screw castle (3387)
21	310 797 R1	RING, standard plunger seal support (detent end) (3396) (Unit A and 2 for Unit B)
22	310 796 R1	SEAL and WIPER, standard plunger oil (detend end) (3502) (Unit B)
23	310 798 R1	PLATE, standard plunger seal (detend end) (3326) (Unit B)
24	310 822 R1	SEAT, standard plunger detent spring (3327) (2 for Units A and B)
25	310 823 R1	SPRING, standard plunger detent (3329) (Unit B)
26	310 824 R1	SCREW, standard plunger detent (3328) (Unit B)
27	310 825 R1	CAP, standard plunger detent (3324) (Unit B) 1/4 x 7/8" hex-hd. cap SCREW (2 for Unit B)



HYDRAULIC SYSTEM

REF. NO.	I.H. PART NUMBER	DESCRIPTION
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HYDRAULIC CONTROL VALVE - CONTINUED
(Husco) (Part of Hydraulic Remote Control Attachment,
314 119 R91 and 314 120 R91)

28	310 806 R1	RING, snap (3348)
29	310 805 R1	PLUG, detent (3347)
30	310 803 R1	SLEEVE, float plunger detent (3346)
31	310 799 R1	CAP, float plunger detent (3345) (Units A and B)
32	16 008 R1	BALL, 1/4" steel (Grade 2) (4 for Units A and B)
33	16 011 R1	BALL, 11/32" steel (Grade 2)
34	310 804 R1	SPRING, float plunger detent (3373)
35	310 802 R1	PIN, float plunger detent (3371)
36	310 800 R1	SEAT, float plunger detent return spring (3349) (2 for Units A and B)
37	310 801 R1	SPRING, float plunger detent return (3372)
38	310 798 R1	PLATE, float plunger seal (detent end) (3326)
39	310 796 R1	SEAL and WIPER, float plunger oil (detent end) (3502)
40	310 797 R1	RING, float plunger seal support (detend end) (3396)
41	310 797 R1	RING, float plunger seal support (eye end) (3396)
42	310 796 R1	SEAL and WIPER, float plunger oil (eye end) (3502)
43	310 798 R1	PLATE, float plunger seal (eye end) (3326) 1/4 x 3/8" rd-hd. slt. mach. SCREW (2 for Units A and B)
44	310 797 R1	RING, standard plunger seal support (eye end) (3396) (Unit B)
45	310 796 R1	SEAL and WIPER, standard plunger oil (eye end) (3502) (Unit B)
46	310 798 R1	PLATE, standard plunger seal (eye end) (3326) (Unit A) 1/4 x 3/8" rd-hd. slt. mach. SCREW (2 for Unit A)
	364 885 R1	"O" RING, 5/8" tubing (Unit A and 2 for Unit B)



MEMORANDA



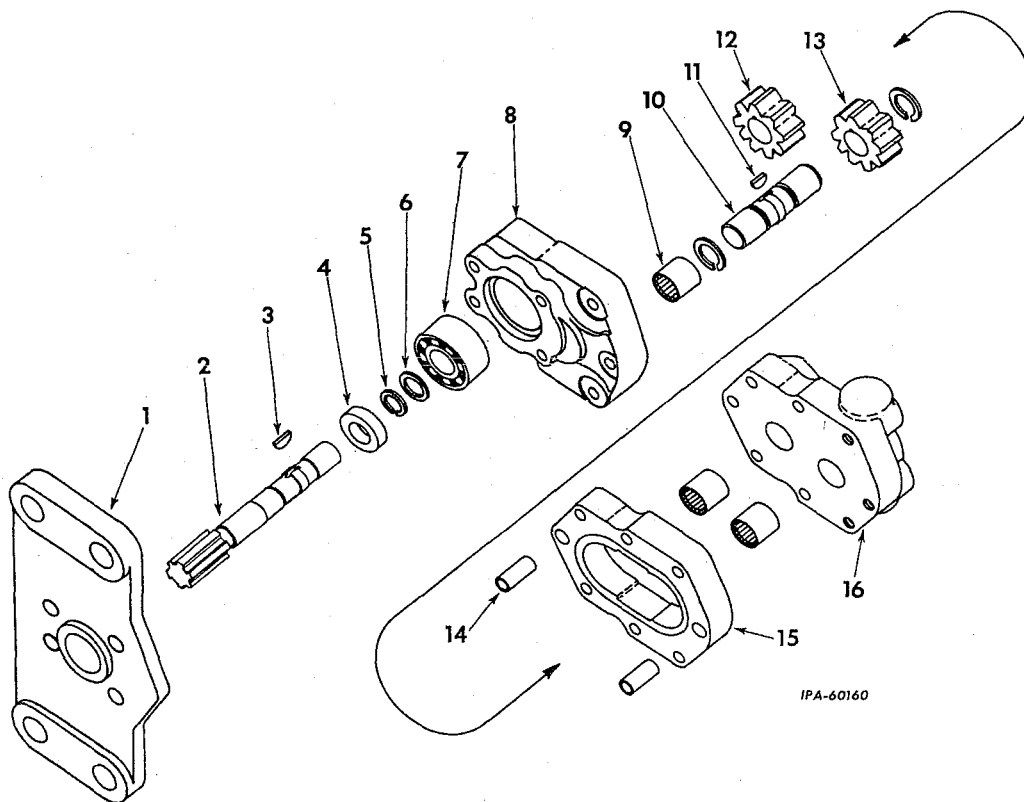
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HYDRAULIC SYSTEM

HYDRAULIC PUMP

(Webster) (Part of Hydraulic Remote Control Attachment,
314 119 R91 and 314 120 R91)



HYDRAULIC SYSTEM

HYDRAULIC PUMP - CONTINUED

(Webster) (Part of Hydraulic Remote Control Attachment,
314 119 R91 and 314 120 R91)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
	313 485 R91	PUMP ASSEMBLY, hydraulic (152-27817) (consists of the following parts -
1	313 638 R1 313 639 R1	FLANGE, mounting (151-27819-1) SCREW, 5/16 x 1" counterbore (29532-15)
2	313 636 R1	SHAFT, drive (151-27818)
3	103 646	KEY, 1/8 x 3/4" (Woodruff No. 7)
4	311 994 R91	OIL SEAL (151-27451)
5	276 575 R1	RING, retaining (29650-3) (3)
6	276 569 R1	WASHER, 49/64 x 59/64 x .030" flat (29602-132)
7	8 521 T	BEARING, ball (151-30623)
8	313 637 R91	BODY w/BEARING, 276 574 R91, pump (150-25862-1) 1/4 x 2-1/2" hex-hd. cap SCREW 5/16 x 2-1/4" hex-hd. cap SCREW (2) 1/4" lock WASHER 5/16" lock WASHER (2)
9	276 574 R91	BEARING, needle (151-30621) (3)

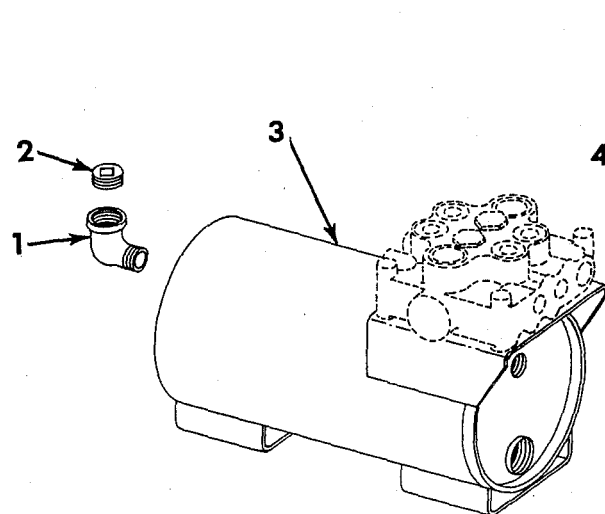
REF. NO.	I.H. PART NUMBER	DESCRIPTION
10	303 100 R1	SHAFT, idler (151-20795)
11	427 261	KEY, 1/8 x 3/8" (Woodruff No. 213)
12	303 102 R1	GEAR, drive (151-20203-1)
13	303 074 R1	GEAR, idler (151-20203-2)
14	303 073 R1	PIN, dowel (151-14001) (2)
15	303 072 R1	PLATE, gear (151-14471-6)
16	313 635 R91	COVER w/two BEARING, 276 574 R91, pump (150-16751-14) 1/4 x 2-1/2" hex-hd. cap SCREW 5/16 x 2-1/4" hex-hd. cap SCREW (4) 1/4" lock WASHER 5/16" lock WASHER (4)
	310 936 R1	"O" RING, 2-1/4 x 2-1/2 x 1/8"



HYDRAULIC SYSTEM

RESERVOIR AND CONNECTIONS

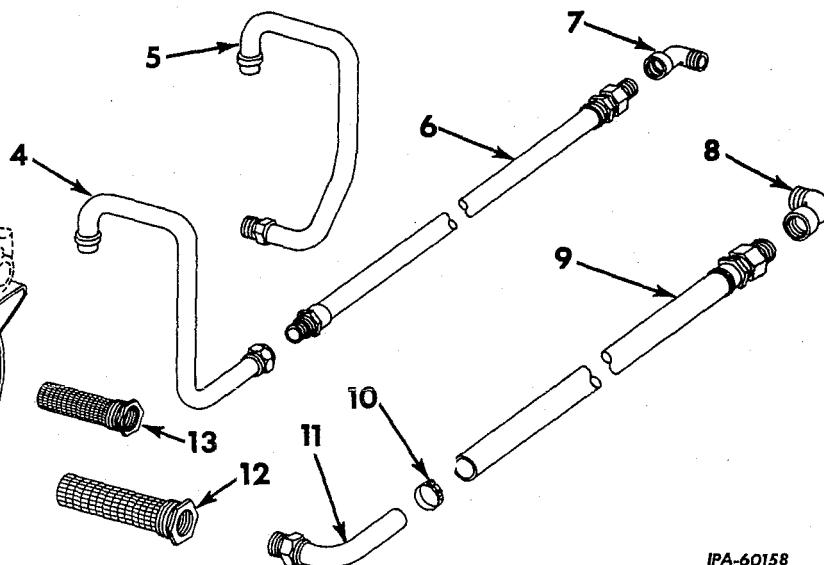
(Part of Hydraulic Remote Control Attachment, 314 119 R91 and 314 120 R91)



HYDRAULIC SYSTEM

RESERVOIR AND CONNECTIONS - CONTINUED

(Part of Hydraulic Remote Control Attachment, 314 119 R91 and 314 120 R91)



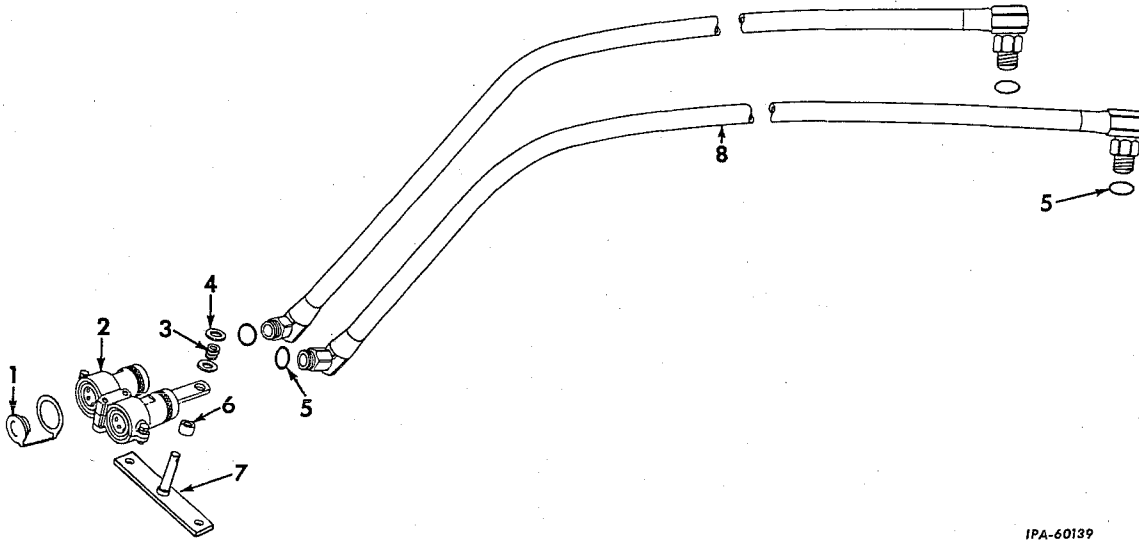
IPA-60158

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	108 687	ELBOW, 1" 90° street (at tank)
2	144 000	PLUG, 1" pipe (filler and drain) (2)
3	314 121 R91	RESERVOIR, oil 3/8 x 1" hex-hd. cap SCREW (3) 3/8" lock WASHER (3)
4	313 486 R91	TUBE, pressure
5	313 490 R91	TUBE, valve to tank
6	313 489 R91	HOSE, pressure

REF. NO.	I.H. PART NUMBER	DESCRIPTION
7	108 686	ELBOW, 1/2 x 90° street (at pump)
8	141 621	ELBOW, 3/4 x 90° street (at pump)
9	313 487 R91	HOSE, return
10	274 086 R91	CLAMP, hose (2)
11	310 596 R91	TUBE, return
12	354 868 R93	STRAINER, oil reservoir
13	289 767 R91	RETARDER, splash

HYDRAULIC SYSTEM

HYDRAULIC REMOTE CONTROL ADAPTER



IPA-60139

REF. NO.	I. H. PART NUMBER	DESCRIPTION
	314 115 R91	ATTACHMENT, hydraulic remote control adapter (used on units equipped with Hydraulic Remote Control Attachment, 314 119 R91 and 314 120 R91) (See NOTES 1 and 3)
1	373 220 R1	CAP, hydraulic self-sealing and breakaway coupling dust (2)
2	374 777 R92	COUPLING, hydraulic breakaway front section (for components see list of parts under details of "Breakaway and Self-Sealing Coupling")
3	353 213 R2	SPRING, breakaway coupling bracket

REF. NO.	I. H. PART NUMBER	DESCRIPTION
4		WASHER, 17/32 x 1-1/16" x .095 ga. (2)
5	364 885 R91	"O" RING, valve to coupling hose (for 5/8" tubing) (4)
6	23 111 H	SPACER, breakaway coupling
7	262 630 R11	BRACKET, breakaway coupling 1/2" NUT (2) 1/2 x 1-1/4" hex-hd. cap SCREW (2)
8	313 488 R91	HOSE, 32" long valve to coupling (2)

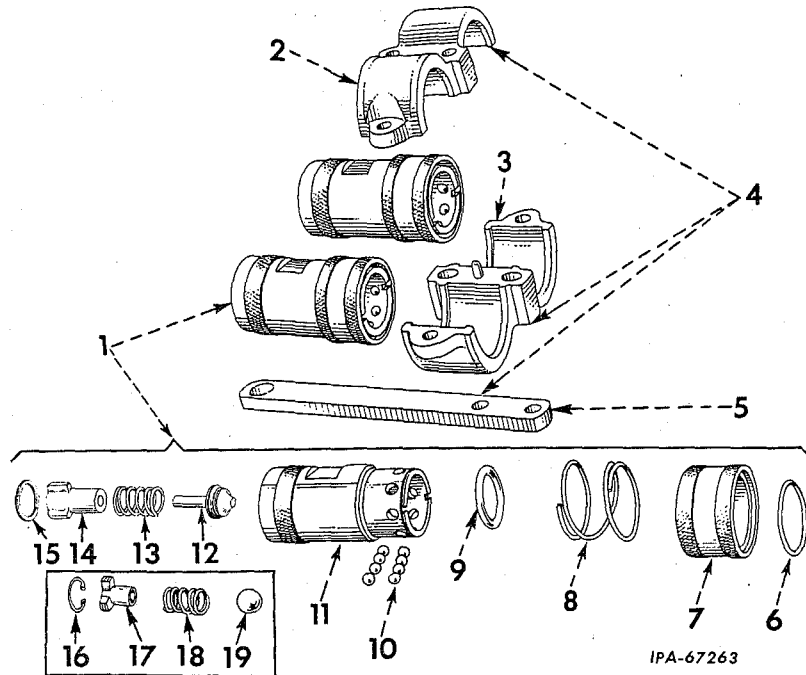
NOTE 1 - Factory Application - Order on Machine Order Form

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



HYDRAULIC SYSTEM

HYDRAULIC BREAK-AWAY AND SELF-SEALING COUPLING (Part of Hydraulic Remote Control Adapter Attachment)



REF. NO.	I.H. PART NUMBER	DESCRIPTION
	374 777 R92	COUPLING ASSEMBLY, break-away (consists of FRAME, 371 110 R91 and two COUPLING, 374 780 R92)
1	374 780 R92	COUPLING ASSEMBLY, self-sealing female
2		CLAMP, self-sealing coupling frame (order frame assembly, 371 110 R91) 1/4 x 3/4" hex-hd cap SCREW (2) 1/4" cd-pltd lock WASHER (2)
3		FRAME, self-sealing coupling (order Frame Assembly, 371 110 R91)
4	371 110 R91	FRAME ASSEMBLY, self-sealing coupling
5	371 116 R1	BRACKET, self-sealing coupling frame 5/16 x 1-1/2" hex-hd cap SCREW (2)
6		STOP, lock ball retainer (order Coupling Assembly, 374 780 R92)
7		RETAINER, lock ball (order Coupling Assembly, 374 780 R92)
8		SPRING, lock ball retainer (order Coupling Assembly, 374 780 R92)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
9	254 691 R1	"O" RING, self-sealing coupling (13/16 x 1-1/16 x 1/8") (2)
10		BALL, lock (order Coupling Assembly, 374 780 R92)
11		BODY, self-sealing coupling (Order Coupling Assembly, 374 780 R92)
12		VALVE, check (order Coupling Assembly, 374 780 R92)
13		SPRING, check valve (order Coupling Assembly, 374 780 R92)
14		RETAINER, check valve spring (order Coupling Assembly, 374 780 R92)
15		RING, retaining (order Coupling Assembly, 374 780 R92)
16		RING, retaining (order Coupling Assembly, 374 780 R92)
17		RETAINER, check ball spring (order Coupling Assembly, 374 780 R92)
18		SPRING, check ball (order Coupling Assembly, 374 780 R92)
19		BALL, check Coupling Assembly, 374 780 R92



HYDRAULIC SYSTEM

REF. NO.	I.H. PART NUMBER	DESCRIPTION
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SINGLE CIRCUIT AUXILIARY LINE
(Used with Hydraulic Control Attachment 331 010 R1)

(X) - KEY TO UNITS

- A - 331 007 R91 Attachment, single circuit auxiliary line (for triple spool valve (See NOTES 1 and 3))
- B - 331 008 R91 Attachment, two circuit auxiliary line (for triple spool valve (See NOTES 1 and 3))

(X) - Letters of these units correspond with those shown following the description of the parts in the list below and identifies the unit for which the part is used. Items without letters after the description indicates the part is used for all units.

- 515 030 R1 CLAMP, seal (2 for Unit B)
3/8" NUT (2)
3/8 x 2" hex-hd cap SCREW (2)
13/32 x 13/16 x .065" WASHER (2)
- 326 030 R1 CLAMP (Unit A) (3 for Unit B)
3/8" lock NUT (Unit A) (3 for Unit B)
3/8 x 1-1/8" hex-hd cap SCREW (Unit A)
(3 for Unit B)
- 310 594 R1 NUT, valve connection (2 for Unit A) (4 for Unit B)

NUT, 5/8" cap (X)
- 297 459 R1 "O" RING, nut (1.048 x 1.280 x .116") (2 for Unit A) (4 for Unit B)
- 350 818 R1 "O" RING, tube (.984 x 1.262 x .139) (2 for Unit A) (4 for Unit B)
- 324 502 R91 TUBE, valve end (Unit B)
- 324 503 R91 TUBE, RH inner
- 324 504 R91 TUBE, RH outer
- 324 505 R91 TUBE, LH outer (Unit B)
- 324 506 R91 TUBE, LH inner (Unit B)
- 309 572 R1 WASHER, "O" ring back-up (2 for Unit A)
(4 for Unit B)
- 309 571 R1 WIRE, retaining (2 for Unit A) (4 for Unit B)

(X) - As Required.

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

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

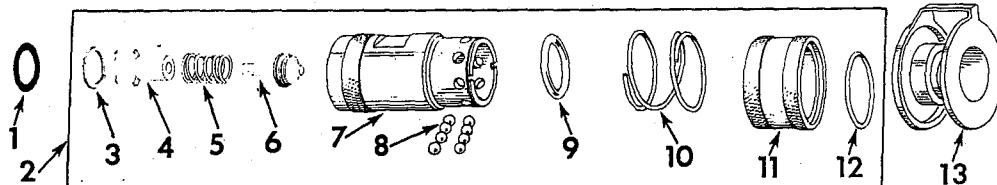


MEMORANDA



HYDRAULIC SYSTEM

QUICK DISCONNECT



IPA-66703

REF. NO.	I.H. PART NUMBER	DESCRIPTION
	331 009 R91	ATTACHMENT, quick disconnect (used on units equipped with Single Circuit Auxiliary Line Attachment, 331 007 R91 and 331 008 R91) (See NOTES 1 and 3)
1	364 885 R1	"O" RING, coupling to hose (for 5/8" tubing)
2	374 780 R92	COUPLING ASSEMBLY, self sealing female (2)
3		RING, retaining (order COUPLING, 374 780 R92)
4		RETAINER, check valve spring (order COUPLING, 374 780 R92)
5		SPRING, check valve (order COUPLING, 374 780 R92)
6		VALVE, check (order COUPLING, 374 780 R92)
7		BODY (order COUPLING, 374 780 R92)
8		BALL, lock (order COUPLING, 374 780 R92)
9	254 691 R1	"O" RING, 13/16 x 1-1/16 x 1/8" (2)
10		SPRING, lock ball retainer (order COUPLING, 374 780 R92)
11		RETAINER, lock ball (order COUPLING, 374 780 R92)
12		STOP, lock ball retainer (order COUPLING, 374 780 R92)
13	373 220 R1	CAP, dust (2)

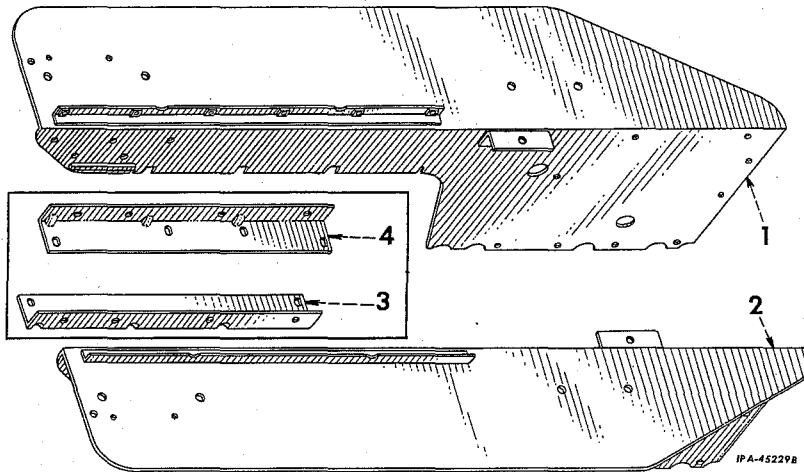
REF. NO.	I.H. PART NUMBER	DESCRIPTION
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NOTE 1 - Factory Application - Order on Machine Order Form.
 NOTE 3 - Field Application - Order through Regular Service Parts Channels.



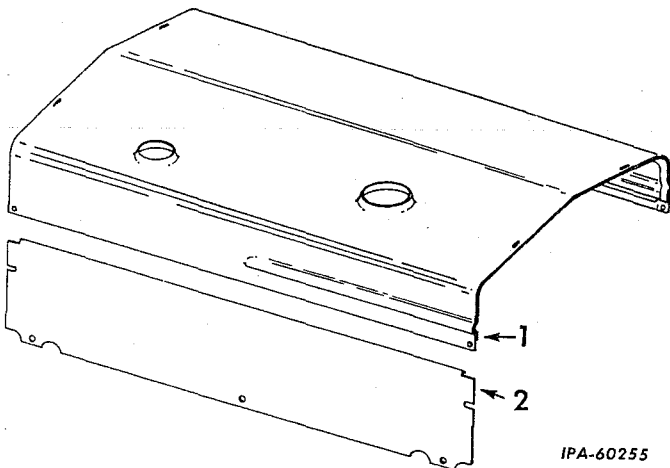
SHEET METAL FENDERS, HOOD SIDE SHEETS AND SIDE DOORS

FENDERS



REF. NO.	I. H. PART NUMBER	DESCRIPTION
1	275 239 R41	FENDER, LH
2	322 983 R91	FENDER, RH 3/8" NUT 1/2" NUT (8) 3/8 x 1" hex-hd. cap SCREW 1/2 x 1-1/4" hex-hd. cap SCREW (13) 3/8" lock WASHER 1/2" lock WASHER (13) 17/32 x 1-1/16 x 3/32" WASHER (4)

HOOD AND SIDE SHEETS (Not Heavy Hood)



SHEET METAL FENDERS, HOOD SIDE SHEETS AND SIDE DOORS

FENDERS - CONTINUED

REF. NO.	I. H. PART NUMBER	DESCRIPTION
3	275 158 R1	BRACKET, RH fender TD-92 501 to 3337
4	275 157 R1	BRACKET, LH fender TD-92 501 to 3337 1/2 x 7/8" hex-hd. cap SCREW 1/2 x 1" hex-hd. cap SCREW (3) 1/2" lock WASHER (4) 17/32 x 1-1/16 x 3/32" WASHER (4)

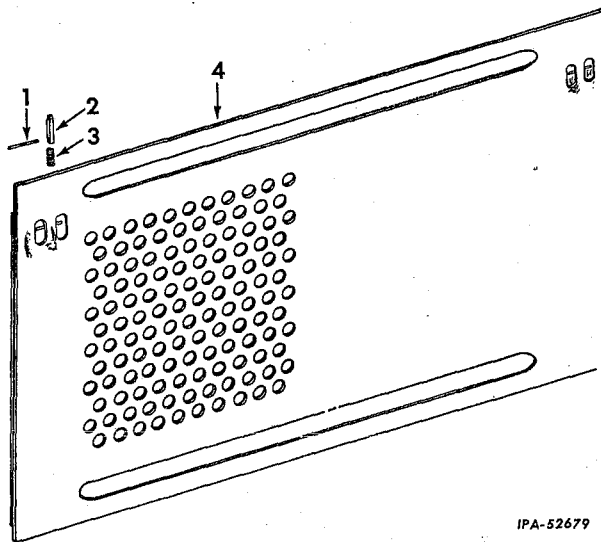
HOOD AND SIDE SHEETS - CONTINUED (Not Heavy Hood)

1	306 937 R11	SHEET, hood (not used with heavy hood) 3/8" NUT (4) 3/8 x 3/4" hex-hd. cap SCREW (4) 3/8 x 3/4" f-hd. slt. mach. SCREW (2) 3/8 x 1-3/8" f-hd. slt. mach. SCREW (2) 3/8" lock WASHER (8) Q 1 504 WASHER, 13/32 x 7/8" x 16 ga. (4)
2	306 940 R1	SHEET, engine side (2) 3/8 x 3/4" hex-hd. cap SCREW (10) 3/8" lock WASHER (10) 13/32 x 13/16" x 16 ga. WASHER (4)



SHEET METAL FENDERS, HOOD SIDE SHEETS AND SIDE DOORS

HOOD SIDE DOORS



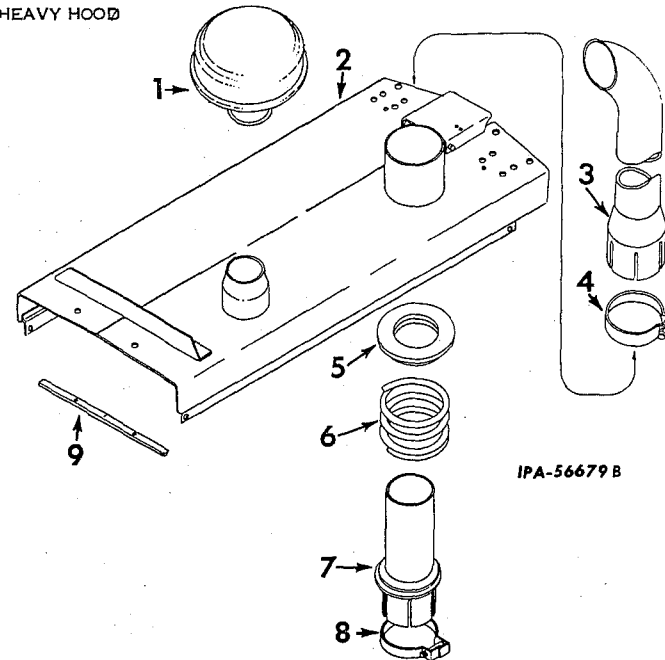
IPA-52679

REF. NO.	I. H. PART NUMBER	DESCRIPTION
	307 070 R91	ATTACHMENT, hood side doors (Consists of the following parts) Factory Application - Order on Machine Order Form. Field Application - Order through regular Service Parts Channels.
1	278 508 R1	PIN, hood side door latch (4)
2	278 507 R1	PLUNGER, hood side door latch (4)
3	278 509 R1	SPRING, hood side door latch (4)
4	307 066 R91	DOOR w/two SPRING, 278 509 R1, two PLUNGER 278 507 R1, and two PIN 278 508 R1, LH hood side
4	307 067 R91	DOOR w/two SPRING, 278 509 R1, two PLUNGER, 278 507 R1 and two PIN 278 508 R1, RH hood side



SHEET METAL FENDERS, HOOD SIDE SHEETS AND SIDE DOORS

HEAVY HOOD



IPA-56679 B

REF. NO.	I. H. PART NUMBER	DESCRIPTION
	311 403 R92	ATTACHMENT, heavy hood (See NOTES 1 and 3)
1	272 152 R91	CAP, weather (used with Hood, 311 404 R11 and 311 404 R12)
1	272 377 R91	CAP, weather (used with Hood, 311 404 R13)
2	311 404 R13	HOOD, heavy (together with Cap, 272 377 R91 will work for 311 404 R11 and 311 404 R12) 3/8 x 1-3/4" hex-hd cap SCREW (2) 3/8 x 2" hex-hd cap SCREW (2) 3/8" lock WASHER (6)
	Q 5 035	WASHER, 17/32 x 1" x 16 ga. (4)
	314 492 R1	WASHER, hood sheet pilot (2)
3	318 982 R1	TUBE, exhaust extension (will work for 314 035 R91)
4	311 420 R11	CLAMP, exhaust pipe extension tube (2) 5/16 x 1-1/4" carriage BOLT (2) 5/16" NUT (2)
5	320 537 R11	RETAINER, baffle spring
6	318 987 R1	SPRING, baffle
7	311 418 R11	PIPE, exhaust
8	276 223 R91	CLAMP, exhaust pipe
	15 022 R1	BOLT, 5/16 x 1-1/4" carriage 5/16" NUT
9	311 414 R1	SPACER, heavy hood rear
	120 408	GROMMET, rubber (2)
	320 445 R1	SEAL, inlet tube
	311 405 R11	SKIRT, heavy hood (2) 3/8" NUT (2) 3/8 x 1-3/8" fil-hd slt mach SCREW (2) 3/8 x 3/4" fil-hd slt mach SCREW (5)

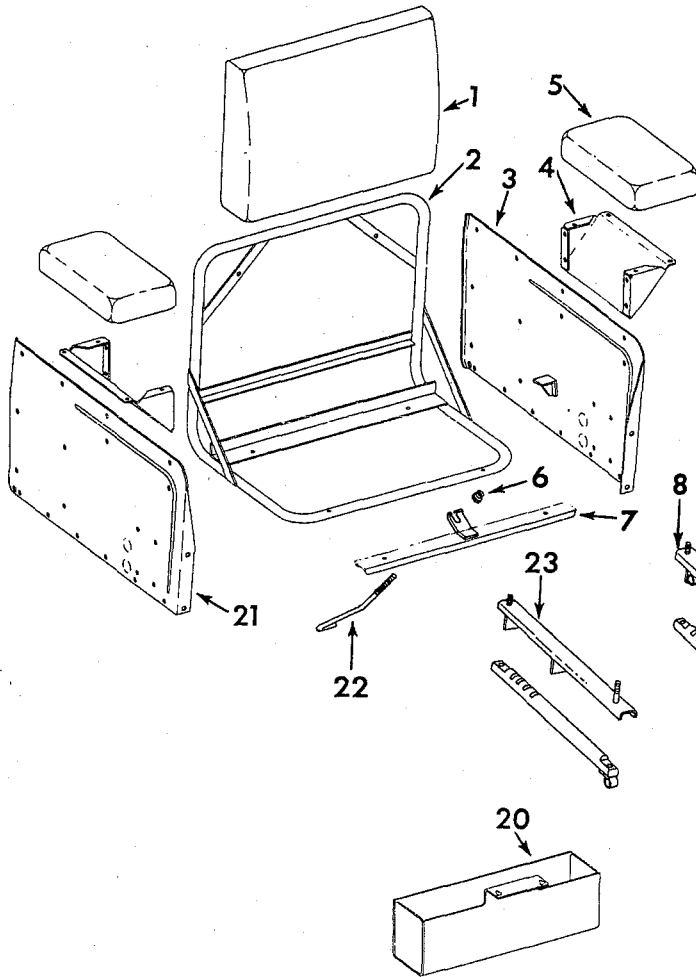
NOTE 1 - Factory Application - Order on Machine Order Form.

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



SEAT AND SUPPORTS

SEAT AND SUPPORTS

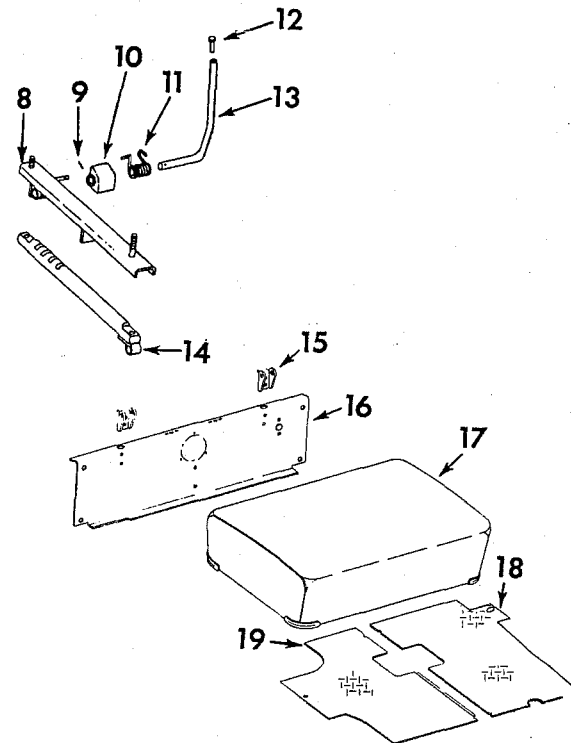
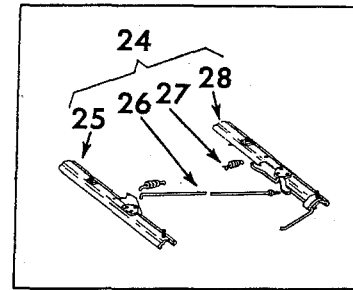


IPA-52536 C



SEAT AND SUPPORTS

SEAT AND SUPPORTS - CONTINUED



REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	273 499 R91	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)
2		FRAME, seat (order CHANNEL, 307 317 R11, FRAME, 307 312 R91 and RAIL, 307 316 R1) (will work for 275 272 R92) TD-92 501 to 2997
2	307 312 R91	FRAME, seat TD-92 2998 Up
	307 315 R1	5/16NF NUT (2) NUT, seat cushion bottom pilot (2) 5/16" internal-tooth lock WASHER (4)
3	275 258 R21	SHEET, LH seat side
3	331 014 R11	SHEET, LH seat side (used on units equipped with "Hydraulic Control Unit Attachment") 3/8 x 3/4" hex-hd cap SCREW (6) 3/8NF x 5/8" hex-hd cap SCREW (6) 3/8" lock WASHER (12)

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REF. NO.	I.H. PART NUMBER	DESCRIPTION
4	252 172 R11	SUPPORT, seat cushion side (2) 3/8 x 3/4" hex-hd. cap SCREW (8) 3/8" lock WASHER (8)
5	272 239 R92	CUSHION, seat side (2)
5	331 041 R1	CUSHION, RH seat side (used on units equipped with "Hydraulic Control Attachment") 5/16 x 1" hex-hd cap SCREW (8)
6	266 383 R2	NUT, seat hold down rod 13/32 x 13/16 x .065" WASHER
7	275 266 R1	SUPPORT, rear seat
8		CHANNEL, LH seat frame slide (order PACKAGE, 331 606 R91) TD-92 2998 Up
8	331 596 R91	CHANNEL, LH seat frame slide (*)
		(*) - Used only on units equipped with PACKAGE, 331 606 R91.

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(REV. NO. 5 5-63)



SEAT AND SUPPORTS

REF. NO.	I.H. PART NUMBER	DESCRIPTION
SEAT AND SUPPORTS - CONTINUED		
9	19 371 R1	PIN, 1/8 x 3/4" spiral (*)
10	331 595 R1	LOCK, seat (*)
11	331 594 R1	SPRING, latch torsion (*)
12	331 591 R1	PLUG, seat adjusting handle (*)
13	331 592 R1	HANDLE, seat adjusting (*)
14	316 825 R91	RAIL, seat frame slide (will work for 307 316 R1) TD-92 2998 up (2) 5/16NF NUT (4) 5/16NF x 1-1/4" hex-hd cap SCREW (4) 5/16" lock WASHER (4)
15	275 268 R1	BRACKET, seat hinge (2) 1/4NF NUT (4) 1/4 x 3/4" hex-hd. cap SCREW (4) 1/4" lock WASHER (4) 9/32 x 5/8 x 1/16" WASHER (4)
16	275 262 R31	SUPPORT w/two FASTENER, 275 263 R1 and four RIVET, 9 400 978, front seat 3/8NF NUT (4) 3/8NF x 3/4" hex-hd. cap SCREW (4) 3/8" lock WASHER (4)
17	273 500 R92	CUSHION, bottom seat
18	275 230 R31	PLATFORM, LH 3/8 x 3/4" hex-hd. cap SCREW 3/8" lock WASHER
19	275 231 R31	PLATFORM, RH 3/8 x 3/4" hex-hd. cap SCREW 3/8" lock WASHER
20	275 248 R91	BOX w/two STUD, 275 264 R1 and two PIN, 275 265 R1, tool
21	275 259 R21	SHEET, RH seat side 3/8 x 3/4" hex-hd. cap SCREW (6) 3/8NF x 5/8" hex-hd. cap SCREW (6) 3/8" lock WASHER (12)
21	331 035 R1	SHEET, RH side (used on units equipped with "Hydraulic Control Unit Attachment") 3/8 x 5/8" hex-hd cap SCREW (6) 3/8" lock WASHER (6)
22	276 975 R1	ROD, seat hold down 1/8 x 5/8" cotter PIN
23	307 317 R12	CHANNEL, RH seat frame slide TD-92 2998 Up
24		RAIL, slide (order CHANNEL, 307 317 R11 and RAIL, 307 316 R1) (will work for 273 162 R92) TD-92 501 to 2997
25	273 100 R1	ADJUSTER, RH seat TD-92 501 to 2997
26	276 576 R1	ROD, slide rail connecting TD-92 501 to 2997
27	273 103 R1	SPRING, seat adjuster TD-92 501 to 2997 (2)
28	273 101 R1	ADJUSTER, LH seat TD-92 501 to 2997
	275 263 R1 9 400 978	FASTENER, tool box (2) RIVET, 1/8 x 5/16" - 100° csk-hd. aluminum (4)



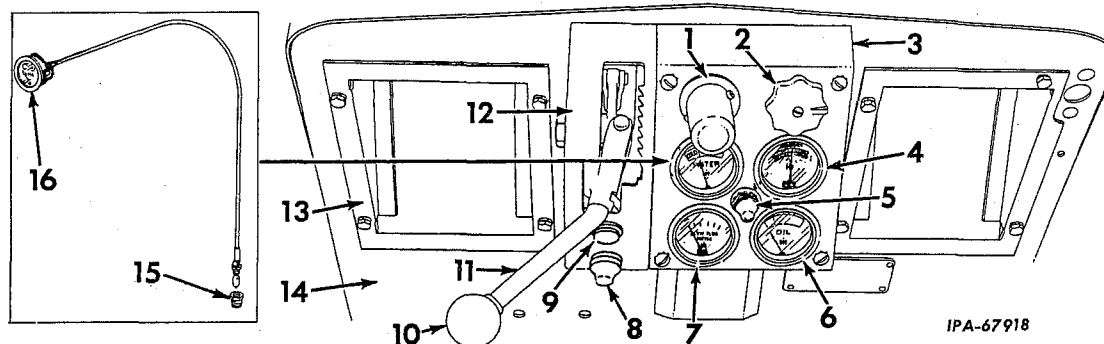
SEAT AND SUPPORTS

REF. NO.	I.H. PART NUMBER	DESCRIPTION
SEAT AND SUPPORTS - CONTINUED		
331 606 R91		PACKAGE, seat slide rail lock field improvement TD-92 2998 up (Consists of - 1 CHANNEL 331 596 R91 1 HANDLE 331 592 R1 1 LOCK 331 595 R1 1 PIN 19 371 R1 1 PLUG 331 591 R1 1 SPRING 331 594 R1)
46 883 H		PIN, seat hinge (3/8 x 1-9/16" rod end pin) (2) 3/32 x 5/8" cotter PIN (2)
275 265 R1		PIN, tool box fastener wing head stud (2)
275 264 R1		STUD, tool box fastener wing head (2)
331 030 R1		SHEET, valve enclosure (used on units equipped with "Hydraulic Control Unit Attachment") 3/8 x 5/8" hex-hd cap SCREW (6) 3/8 x 3/4" hex-hd cap SCREW (6) 3/8" lock WASHER (12)

(*) - Used only on units equipped with
PACKAGE, 331 606 R91



ENGINE CONTROLS, DASH, INSTRUMENTS AND INSTRUMENT PANEL



IPA-67918

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	271 077 R91	LIGHT, dash (for components see list of parts under details of "Dash Light")
2	275 282 R91	SWITCH, lighting (for components see list of parts under details of "Lighting Switch")
3	275 251 R2	PANEL, instrument (will work for 306 907 R1) 1/4" NUT (4) 1/4 x 1/2" slt-rd-hd. mach. SCREW (4) 1/4" lock WASHER (4)
4	269 467 R92	AMMETER
5	271 179 R91	SWITCH, glow plug (for components see list of parts under details of "Glow Plug Switch")
6	258 634 R93	INDICATOR w/CLAMP, 60 805 D, engine oil pressure
7	306 793 R92	METER, glow plug
8	271 179 R91	SWITCH, starting (for components see list on parts under details of "Starting Switch")
9	178 020	PLUG, 29/32" button (for cigarette lighter hole)
10	264 097 R2	BALL, governor control hand lever
11	275 198 R22	LEVER w/PAWL, 251 846 R1, governor control hand
12	275 237 R91	RATCHET, governor control 3/8" NUT 3/8 x 5/8" hex-hd. cap SCREW (4) 3/8" lock WASHER (4)
13	275 207 R91	POCKET, dash foot (2) 1/4 x 1/2" hex-hd. cap SCREW (8) 1/4" lock WASHER (8)
14	275 204 R21	DASH 1/2 x 1" hex-hd. cap SCREW (2) 1/2 x 2" hex-hd. cap SCREW (2) 1/2" lock WASHER (2) 9/16 x 1-1/4" x 12 ga. WASHER (2)
15	51 510 D	BUSHING, reducing
16	67 136 D	INDICATOR, w/BUSHING, 51 510 D, heat (not low boiling point)
16	63 785 D	INDICATOR, w/BUSHING, 51 510 D, heat (low boiling point)

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ENGINE CONTROLS, DASH, INSTRUMENTS AND INSTRUMENT PANEL

REF. NO.	I.H. PART NUMBER	DESCRIPTION
256 646 R91		ATTACHMENT, low boiling point thermostat and heat indicator (consists of INDICATOR, 63 785 D, and THERMOSTAT, 261 590 R92) (See NOTE 3) (also listed with "Thermostat, Thermostat Housing, Water By-Pass Valve and Connections") (used on units with bleed hole in thermostat housing) TD-92 501 to 2660
315 847 R91		ATTACHMENT, low boiling point thermostat and heat indicator (consists of INDICATOR, 63 785 D and THERMOSTAT, 310 171 R91) (See NOTES 1 and 3) (also listed with "Thermostat, Thermostat Housing, Water By-Pass Valve and Connections") (used on units without bled hole in thermostat housing) TD-92 2661 Up
29 901 D		BODY, oil pressure gauge connector
60 805 D		CLAMP, engine oil pressure indicator No. 12 (type B) NUT (2) No. 12 external-tooth lock WASHER (2)
116 535		CLEVIS, 5/16" short fuel injection pump lower horizontal rod adjustable
264 309 R91		CLIP, engine oil pressure indicator lower tube No. 10 NUT No. 10 x 1/2" slt rd-hd. mach. SCREW No. 10 lock WASHER
89 863 H		CONNECTOR, engine oil pressure tube
30 402 D		ELBOW, fuel oil pressure indicator lower tube
370 080 R91		ELBOW, engine oil pressure gauge front tube
275 197 R1		HUB, governor control hand lever
306 887 R1		LINK, fuel injection pump upper horizontal rod
369 987 R1		NUT, hi-duty tee union (3)
251 846 R1		PAWL, governor control hand lever
103 495		PIN, 5/16" fuel injection pump upper and lower vertical rod end link (4) 3/32 x 5/8" cotter PIN (4)
103 495		PIN, 5/16" fuel injection pump lower horizontal rod (2) 3/32 x 5/8" cotter PIN (2)
		NOTE 1 - Factory Application - Order on Machine Order Form.
		NOTE 3 - Field Application - Order through Regular Service Parts Channels.

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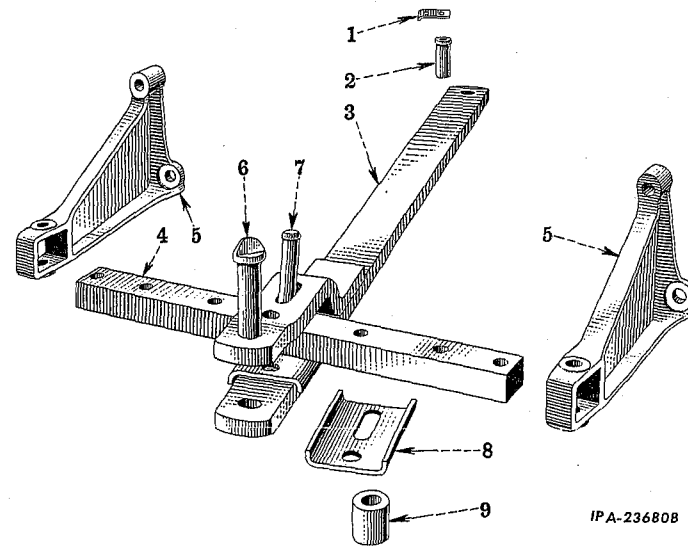
ENGINE CONTROLS, DASH, INSTRUMENTS AND INSTRUMENT PANEL

- 19 674 R1 PIN, fuel injection pump upper horizontal rod (3/32 x 1" heavy plain spiral) (will work for 17 342 R1)
3/32 x 5/8" cotter PIN (2)
13/32 x 13/16" x 16 ga. flat WASHER (2)
- 262 704 R1 PIN, governor control hand lever
3/32 x 5/8" cotter PIN
- 306 876 R1 PLATE, dash support
1/2" NUT (2)
1/2 x 3/4" hex-hd. cap SCREW (2)
1/2 x 1-1/4" hex-hd. cap SCREW (2)
1/2" lock WASHER (4)
- 144 034 REDUCER, 3/4 x 1/2" iron pipe (in cylinder head) (used on heat INDICATOR, 67 136 D)
- 306 895 R11 ROD, upper fuel injection pump vertical
306 883 R11 ROD, fuel injection pump lower vertical
311 133 R91 ROD, governor control upper horizontal
306 893 R11 ROD, fuel injection pump lower horizontal
- 254 753 R1 SEAL, thermostat (low boiling point)
- 275 199 R1 SHAFT, governor control hand lever
1/2NF jam NUT
1/2" lock WASHER
- 306 888 R91 SHAFT, fuel injection pump lower control bracket
3/32 x 5/8" cotter PIN (2)
13/32 x 13/16" x 16 ga. flat WASHER (2)
- 306 877 R11 SHIELD, heat dash
- 261 650 R1 SPRING, governor control hand lever
- 275 249 R11 SUPPORT, instrument panel
3/8" NUT (2)
3/8 x 1/2" hex-hd. cap SCREW (2)
3/8" lock WASHER (2)
- 261 590 R92 THERMOSTAT, w/SEAL, 254 753 R1, low boiling point
- 306 908 R1 TUBE, upper engine oil pressure indicator
306 936 R1 TUBE, lower engine oil pressure indicator



MISCELLANEOUS EQUIPMENT

DRAWBAR



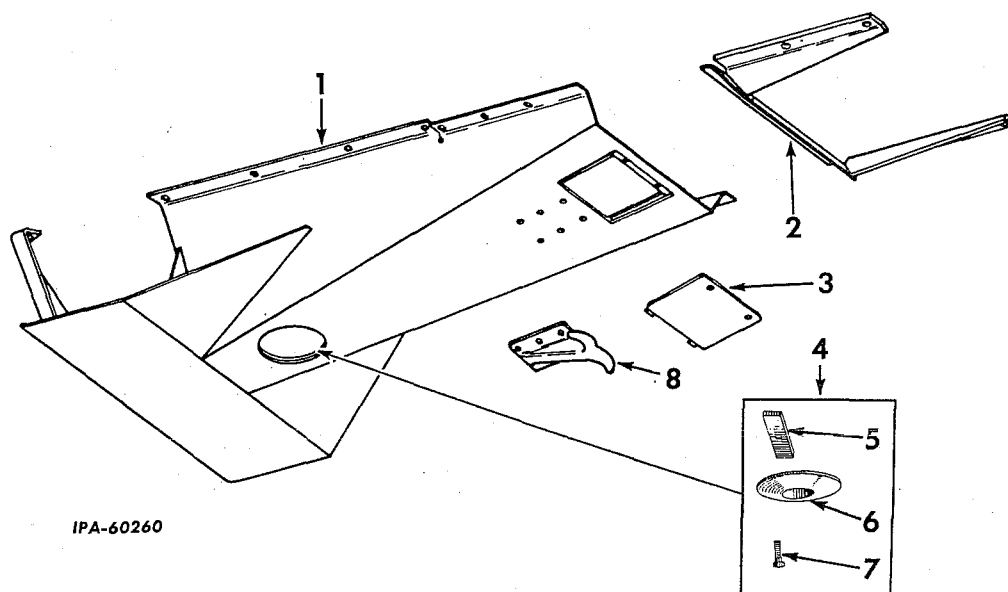
IPA-236808

REF. NO.	I.H. PART NUMBER	DESCRIPTION
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) 3/4NF NUT (6)
6	47 776 D	PIN, drawbar clevis 1/4 x 1-1/2" cotter PIN
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	53 924 D	SPACER, drawbar jaw
	256 051 R11	EXTENSION, drawbar (furnished as part of reduced speed power take-off ATTACHMENT, 275 763 R91)



MISCELLANEOUS EQUIPMENT

CRANKCASE GUARD AND FRONT PULL HOOK



IPA-60260

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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(X) - KEY TO UNITS -

- A - 307 161 R91 ATTACHMENT, crankcase guard (See NOTES 1 and 3)
- B - 5 961 DX ATTACHMENT, front pull hook (for tractors equipped with crankcase guard attachments (See NOTES 1 and 3)

(X) - Letters of these units correspond with those shown following the description of the parts in the list below and identifies the unit for which the part is used. Items without letters after the description indicates the part is used for all units.

- I 307 162 R91 GUARD, crankcase (Unit A)
 3/4" NUT (6)
 5/8" NUT (10)
 5/8 x 1-1/4" hex-hd. cap SCREW (8)
 5/8 x 1-3/4" hex-hd. cap SCREW (2)
 3/4 x 1-3/4" hex-hd. cap SCREW (6)



MISCELLANEOUS EQUIPMENT

CRANKCASE GUARD AND FRONT PULL HOOK - CONTINUED

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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- 2 307 096 R91 SPACER, crankcase guard (*) (Unit A)
- 3 307 094 R11 COVER, crankcase guard hand hole (Unit A)
 1/2" hex-hd. cap SCREW (2)
 1/2" lock WASHER (2)
- 4 67 574 DC COVER w/SUPPORT, 42 877 DB, oil drain hole (Unit A)
- 5 42 877 DB SUPPORT, oil drain hole cover (Unit A)
- 6 COVER, oil drain hole (order 67 574 DC)
- 7 SCREW, 1/2 x 1-1/4" hex-hd. cap
- 8 5 961 DX HOOK, front pull (Unit B)
 5/8NF NUT (6)
 5/8NF x 2" hex-hd. cap SCREW (6)

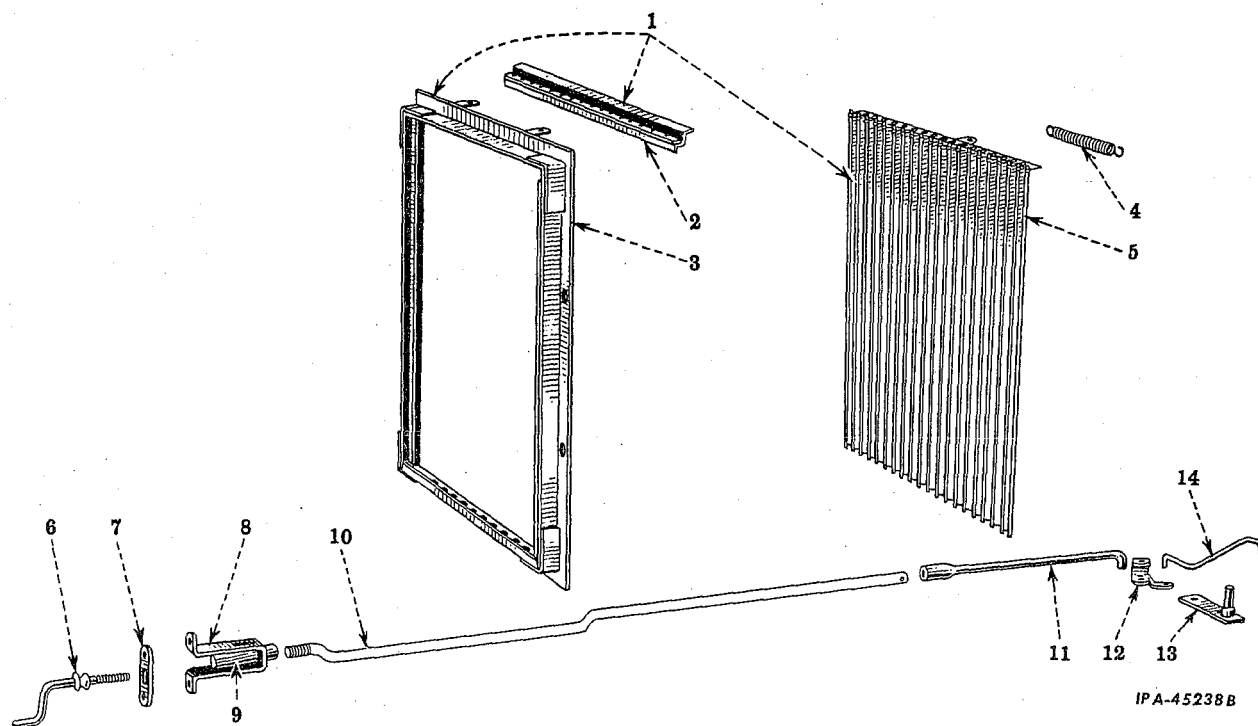
(*) - Used only when radiator guard attachments are not used.

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

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

MISCELLANEOUS EQUIPMENT

RADIATOR SHUTTER AND CONTROLS
(Hardy Mfg. Co.)



REF. NO.	I. H. PART NUMBER	DESCRIPTION
	307 167 R91	ATTACHMENT, radiator shutter (See NOTES 1 and 3) (*)
1	275 291 R91	SHUTTER ASSEMBLY, radiator (24555) (Composed of -
	1	CARRIER 56 127 D
	1	FRAME w/BAR 276 596 R91
	1	SHUTTER w/BAR 276 597 R91
	1	SPRING 47 530)
		5/16 x 5/8" hex-hd. cap SCREW (8)
		5/16" lock WASHER (8)
		11/32 x 3/4" x No. 16 ga. WASHER (4)
2	56 127 D	CARRIER, bearing (16948) No. 10NF NUT (5) No. 10NF x 3/8" slt-rd-hd. mach. SCREW (5) No. 10 lock WASHER (5)
3	276 596 R91	FRAME w/bearing BAR
4	47 530 D	SPRING, bellcrank and operating link (15549)
5	276 597 R91	SHUTTER w/operating BAR (24554)
6	274 608 R11	CRANK w/HANDLE, radiator shutter control
7	50 763 DA	SPACER, radiator shutter control crank
8	50 761 DA 14 993 R1	BRACKET, radiator shutter control crank CARRIAGE BOLT, 1/4 x 3/4" (2) 1/4" NUT (2) 1/4" lock WASHER (2)

MISCELLANEOUS EQUIPMENT

RADIATOR SHUTTER AND CONTROLS - CONTINUED
(Hardy Mfg. Co.)

REF. NO.	I. H. PART NUMBER	DESCRIPTION
9	50 762 DA	COLLAR, radiator shutter control crank threaded
10	309 452 R1	ROD, radiator shutter control rear 3/8" NUT
11	50 765 DX	ROD w/COUPLING, radiator shutter control front 1/8 x 3/4" cotter PIN 1/8 x 1" cotter PIN
12	51 745 D	BELLCRANK, radiator shutter
13	47 310 DX	SUPPORT, radiator shutter bellcrank 1/8 x 3/4" cotter PIN
14	47 309 D	ROD, radiator shutter operating 3/32 x 3/4" COTTER PIN
	1 000 696 R1	DECALCOMANIA, radiator shutter control

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

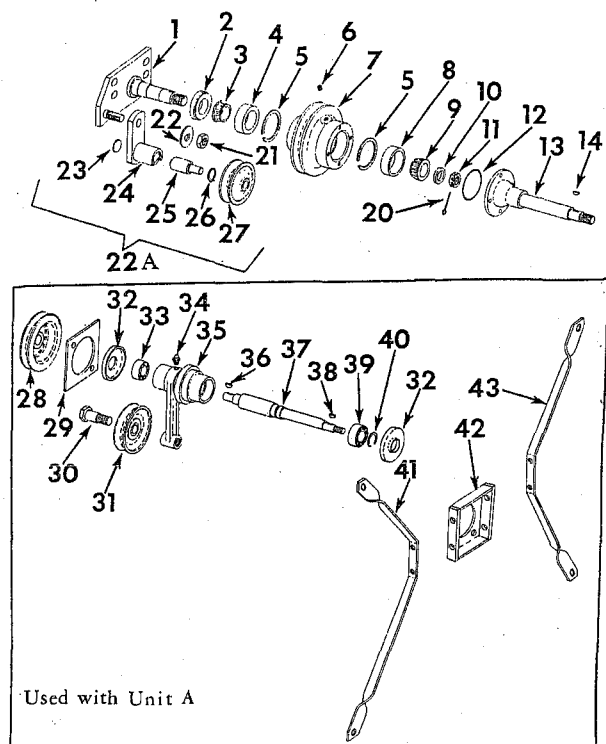
NOTE 3 - Field Application - Order through
Regular Service Parts Channels.

(*) - Not used on tractors equipped with outboard fan attachment.



MISCELLANEOUS EQUIPMENT

OUTBOARD FAN



REF. NO.	I. H. PART NUMBER	DESCRIPTION
----------	-------------------	-------------

(X) - KEY TO UNITS -

- A - 307 400 R91 ATTACHMENT, outboard (fan (order 322 221 R91))
- B - 322 221 R91 ATTACHMENT, outboard fan (*) (will work for 307 400 R91) (See NOTE 3)

(X) - Letters of these units correspond with those shown following the description of the parts in the list below and identifies the unit for which the part is used. Items without letters after the description indicates the part is used for all units.

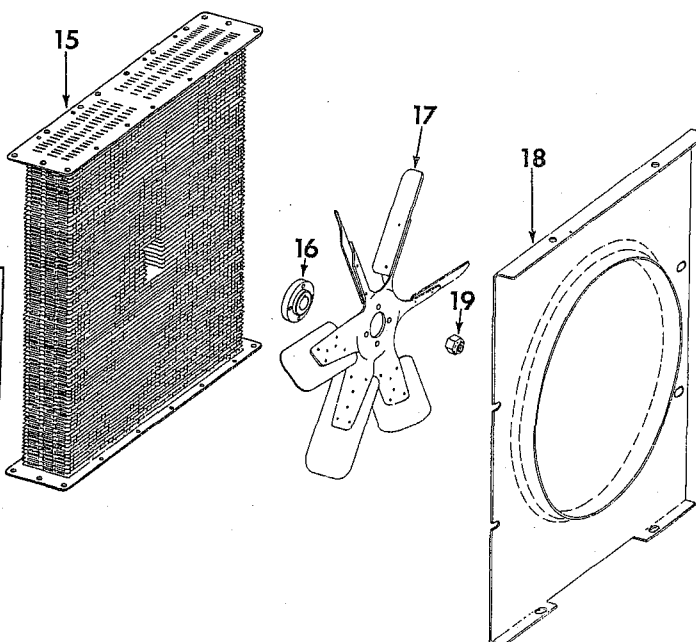
1	322 375 R11 304 016 R1 M 86 687	SPINDLE, outboard fan (Unit B) BOLT, 7/16 x 2-1/4" 7/16" NUT 7/16 x 1-1/4" hex-hd cap SCREW (3) 7/16" lock WASHER (5) WASHER 7/16 x 7/8 x .083 WASHER (3)
2	321 403 R91	OIL SEAL, outboard fan (Unit B)
3	M 42 007	CONE, inner outboard fan tapered roller bearing (Unit B)
4	642 954 R1	CUP, inner outboard fan tapered roller bearing (Unit B)
5	289 357 R1	RING, bearing retainer snap (2 for Unit B)
6	103 878	PLUG, 1/4" sq pipe (Unit B)
7	322 378 R11	PULLEY w/PLUG, 103 878, outboard fan (Unit B)
8	642 954 R1	CUP, outer outboard fan tapered roller bearing (Unit B)
9	321 406 R91	CONE, outer outboard fan tapered roller bearing (Unit B)
10	321 421 R1	WASHER, outboard fan spindle nut (Unit B)
11	10 495 D	NUT, outboard fan spindle (Unit B)

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MISCELLANEOUS EQUIPMENT

OUTBOARD FAN - CONTINUED



REF. NO.	I. H. PART NUMBER	DESCRIPTION
----------	-------------------	-------------

12	322 387 R1	"O" RING, shaft and flange (2-3/8 x 2-1/2 x 1/16") (Unit B)
13	322 379 R91	SHAFT w/FLANGE, outboard fan (Unit B) 5/16 x 1" hex-hd cap SCREW (4) 5/16" lock WASHER (4)
14	103 646	KEY, fan hub (1/8 x 3/4") (Unit B)
15	307 469 R92	CORE, radiator
16	307 405 R1	HUB, fan
17	268 421 R91	FAN, blower
18	307 411 R2	SHROUD, fan 5/16 x 5/8" hex-hd cap SCREW (8) 5/16" lock WASHER (8) 11/32 x 11/16 x .065" WASHER (8)
19	18 453 R1	NUT, 5/8NF fan hub
20	103 386	PIN, 1/8 x 1-1/4" cotter (Unit B)
21		NUT, 5/8" (Unit B)
22	322 383 R1	WASHER, idler adjusting (Unit B)
22A	328 538 R1	IDLER ASSEMBLY (Unit B)
23	172 547	PLUG, 1-1/16" expansion (Unit B)
24	322 384 R11	ARM, idler adjusting (Unit B)

(*) - Used only on machines equipped with radiator guards. Not used on tractors equipped with radiator shutter attachment.

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

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MISCELLANEOUS EQUIPMENT

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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OUTBOARD FAN - CONTINUED

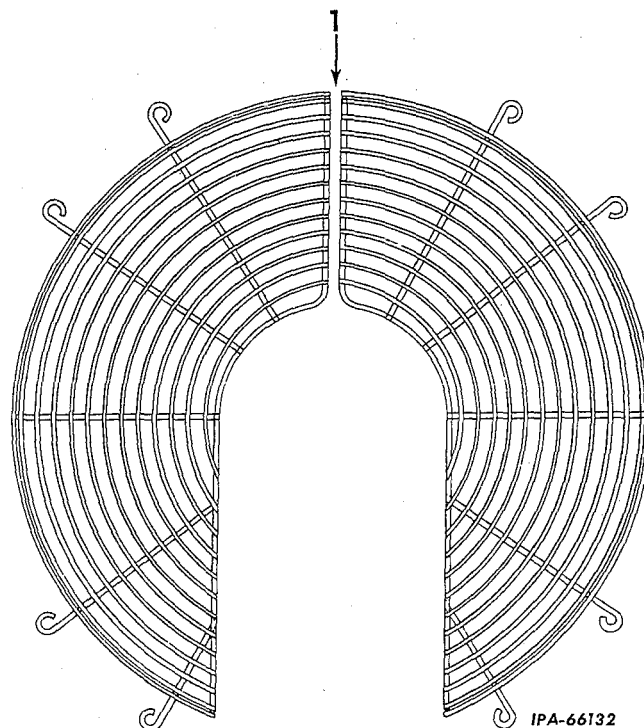
25	ST 692	BEARING, idler shaft (Unit B)
26	322 386 R1	RETAINER, idler adjuster bearing (Unit B)
27	9 102 D	PULLEY, idler (Unit B)
28	307 404 R1	PULLEY, fan (Unit A)
29	307 406 R1	PLATE, fan shaft housing retaining (Unit A) 7/16" NUT (2) 7/16" lock WASHER (2)
30	307 401 R1	RETAINER, belt tensioner pulley (Unit A)
31	662 959 R91	PULLEY, belt tensioner (will work for 307 773 R91) (Unit A)
32	314 461 R1	SHIELD, dust (2 for Unit A)
33	272 561 R91	BEARING, fan shaft rear (will work for ST 516) (Unit A)
34	18 425 R91	FITTING, lubrication (will work for 138 322 H) (Unit A)
35	307 403 R1	HOUSING, fan shaft (Unit A)
36	103 646	KEY, 1/8 x 3/4" (Woodruff) (Unit A)
37	307 402 R1	SHAFT, fan (Unit A)
38	103 646	KEY, fan hub (1/8 x 3/4" Woodruff) (Unit A)
39	658 004 R91	BEARING, fan shaft front (will work for 38 336 DM) (Unit A)
40	301 020 R1	RING, retaining (Unit A)
41	314 467 R1	STRAP, RH, fan shaft housing hanger (Unit A) 3/8 x 1" hex-hd cap SCREW (2) 1/2 x 1" hex-hd cap SCREW (2) 3/8" lock WASHER (2) 1/2" lock WASHER (2)
	615 029 R1	WASHER, 3/8 x 3/4 x 1/16" (4)
42	314 462 R11	PLATE, fan shaft housing hanger (Unit A)
43	314 466 R1	STRAP, LH fan shaft housing hanger (Unit A) 3/8 x 1" hex-hd cap SCREW (2) 1/2 x 1" hex-hd cap SCREW (2) 3/8" lock WASHER (2) 1/2" lock WASHER (2)
	615 029 R1	WASHER, 3/8 x 3/4 x 1/16" (4)
	311 267 R1	BAFFLE, air
	2 750 612 R1	DECALCOMANIA, outboard fan caution
	322 967 R91	PACKAGE, outboard fan field improvement (for use on tractors equipped with outboard fan Attachment, 307 400 R91) (Unit A) (Consists of - 1 BOLT 304 016 R1 1 CONE M 42 007 1 CONE 321 406 R91 2 CUP 642 954 R1 1 IDLER 328 538 R91 1 KEY 103 646 1 NUT 10 495 D 1 NUT 18 453 R1 1 OIL SEAL 321 403 R91 1 "O" RING 322 387 R1 1 PULLEY 322 378 R11 2 RING 289 357 R1 1 SHAFT 322 379 R91 1 SPINDLE 322 375 R11 1 WASHER M 86 687 1 WASHER 321 421 R1 1 WASHER 322 383 R1)
	309 171 R1	RING, fan shaft bearing retainer (Unit A)

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MISCELLANEOUS EQUIPMENT

FAN GUARD



REF. NO.	I. H. PART NUMBER	DESCRIPTION
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	318 662 R91	ATTACHMENT, fan guard (consists of GUARD, 318 663 R91) (see NOTES 1 and 3)
1	318 663 R91	GUARD, fan 3/8 x 3/4" hex-hd cap SCREW (8) 3/8" lock WASHER (8)
	615 031 R1	3/8 x 7/8" x .083" flat WASHER (8)

NOTE 1 - Factory Application - Order on
Machine Order Form.
NOTE 3 - Field Application - Order through
regular Service Parts Channels.

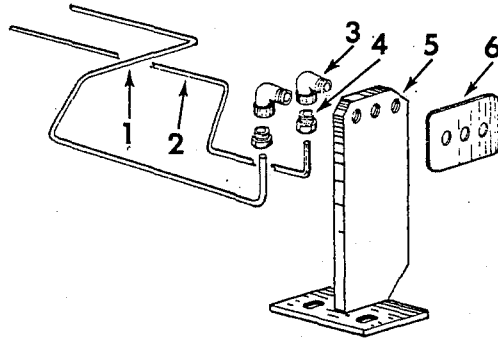
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(REV. NO. 4 11-62)



MISCELLANEOUS EQUIPMENT

WATER TRAP



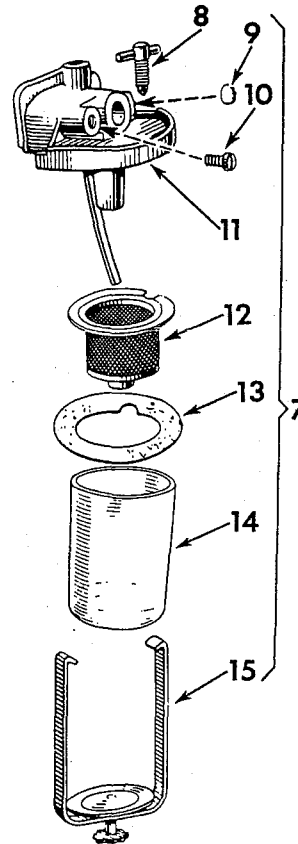
IPA-66998

REF. NO.	I. H. PART NUMBER	DESCRIPTION
	322 562 R91	ATTACHMENT, water trap (See NOTE 3) (Consists of the following parts -
1	322 557 R1	TUBE, front fuel supply to water trap inlet
2	322 556 R1	TUBE, water trap to fuel filter
3	37 323 D	ELBOW, fuel tube (2)
4	37 165 D	NUT, fuel tube (2)
5	322 553 R91	BRACKET, water trap mounting 1/2" NUT (2) 1/2 x 1-1/2" hex-hd cap SCREW (2) 1/2" lock WASHER (2)
6	51 527 DC	GASKET, water trap
7	251 355 R91	TRAP ASSEMBLY, water



MISCELLANEOUS EQUIPMENT

WATER TRAP - CONTINUED



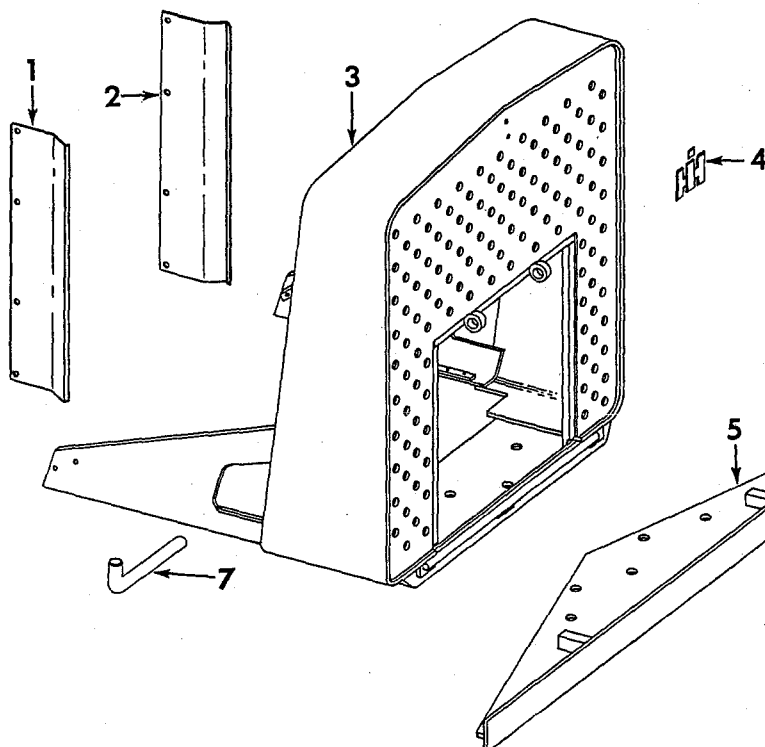
REF. NO.	I. H. PART NUMBER	DESCRIPTION
8	279 173 R1	SCREW, water trap drain
9	24 805 D	PLUG, 3/8" brs expansion (type No. 1)
10	60 871 DA	SCREW, water trap vent
11	251 380 R91	TOP w/drain PIPE and PLUG, 24 805 D, water trap 1/2 x 3" hex-hd cap SCREW 1/2" lock WASHER
12	251 348 R91	SCREEN, water trap
13	260 708 R2	GASKET, water trap bowl
14	60 877 D	GLASS, water trap
15	60 878 DX	BAIL w/thumb SCREW, water trap

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



MISCELLANEOUS EQUIPMENT

FRONT BUMPER AND RADIATOR GUARD



IPA-52693 A

REF. NO.	I. H. PART NUMBER	DESCRIPTION
(X) KEY TO UNITS		
A -	307 047 R91	ATTACHMENT, front bumper (used only on tractors equipped with Radiator Guard, Attachment, 307 143 R91) (See NOTES 1 and 3)
B -	307 143 R91	ATTACHMENT, radiator guard (standard) (not used on equipment combinations)
C -		Service parts for Radiator Guard used with rigid track loader equipment combination TD-9-426-0
D -	299 931 R91	ATTACHMENT, radiator guard (for use with side boom equipment combination TD-9-504-0 (See NOTES 1 and 2)
(X) - Letters of these units correspond with those shown following the description of the parts in the list below and identifies the unit for which the part is used. Items without letters after the description indicates the part is used for all units.		
1	307 462 R1	ENCLOSURE, radiator to guard RH (Units B, C and D) 5/16 x 1/2" hex-hd. cap SCREW (4) 5/16" lock WASHER (4)
2	307 461 R1	ENCLOSURE, radiator to guard LH (Units B, C and D) 5/16 x 1/2" hex-hd. cap SCREW (4) 5/16" lock WASHER (4)

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MISCELLANEOUS EQUIPMENT

FRONT BUMPER AND RADIATOR GUARD - CONTINUED

REF. NO.	I. H. PART NUMBER	DESCRIPTION
3	307 135 R93	GUARD, radiator (Units B and D) 5/8" NUT (4)
3	307 141 R93	GUARD w/RUB PLATES, radiator (Unit C) 5/8" NUT (4) 5/8 x 1-3/4" hex-hd. cap SCREW (4)
4	311 332 R1	EMBLEM, "IH" (Units B, C and D) No. 4 x 1/4" drive SCREW (2)
5	307 048 R91	BUMPER, front (Unit A) 5/8" NUT (5) 5/8 x 1-1/2" hex-hd. cap SCREW (5)
6	307 128 R21	DOOR, radiator guard (Unit B)
6	299 929 R21	DOOR, radiator guard (Unit C and D)
7	299 842 R1	PIN, radiator guard door latch (Units B, C and D) TD-92 501 to 1633
7	295 091 R1	PIN, radiator guard door latch (Units B, C, and D) TD-92 1634 up)
	517 843 R1	PIN, Q.A. cotter
	311 217 R11	SHEET, RH seat side (illustrated and listed with "SEAT and PLATFORMS") (Unit D)

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

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

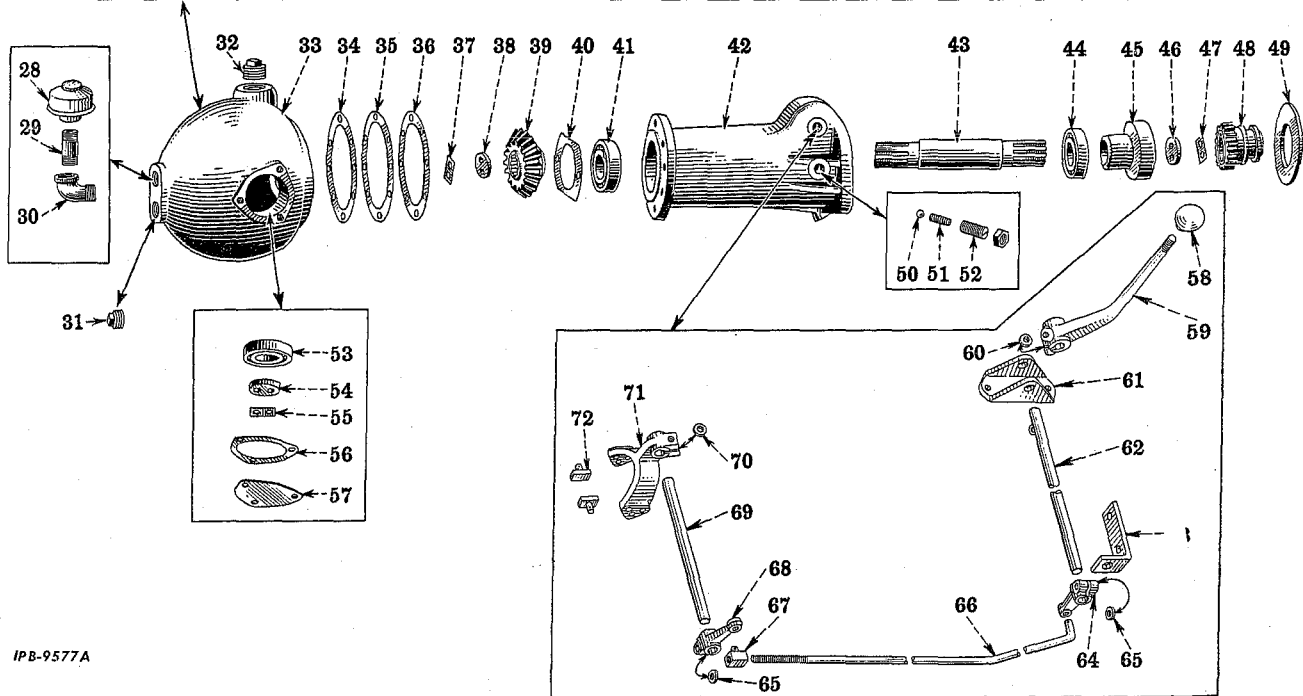
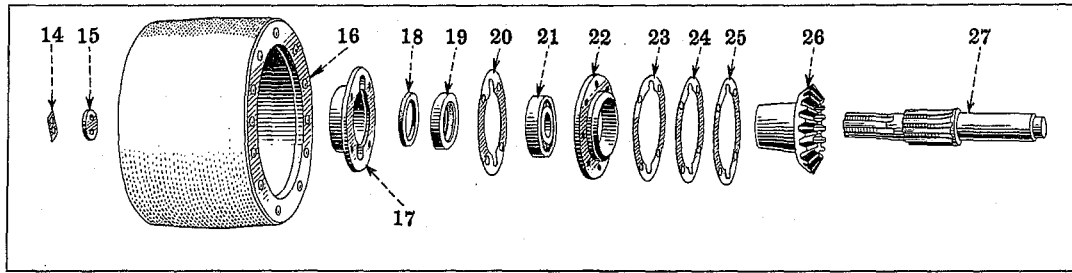
NOTE 3 - Field Application - Order through regular Service Parts Channels.

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MISCELLANEOUS EQUIPMENT

BELT PULLEY



IPB-9577A

REF. NO.	I.H. PART NUMBER	DESCRIPTION
(X) - KEY TO UNITS -		
A -	275 767 R91	ATTACHMENT, belt pulley and power take-off (for tractors not equipped with rear power take-off ATTACHMENT, 53 962 DA) (See NOTES 1 and 2)
B -	275 768 R91	ATTACHMENT, belt pulley (for tractors equipped with rear power take-off ATTACHMENT, 53 962 DA) (See NOTES 1 and 2)
(X) - Letters of these units correspond with those shown following the description of the parts in the list below and identifies the unit for which the part is used. Items without letters after the description indicates the part is used for all units.		
2 to 13	Power Take-Off 53 962 DA Illustrated on Page 92 are part of ATTACHMENT, 275 767 R91 (Unit A)	
14	45 558 DA	LOCK, belt pulley retaining washer bolt
15	49 178 DA	WASHER, belt pulley retaining 3/8 x 1" hex-hd. cap SCREW (2)

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MISCELLANEOUS EQUIPMENT

BELT PULLEY - CONTINUED

REF. NO.	I.H. PART NUMBER	DESCRIPTION
16	264 370 R91	PULLEY, belt (11" dia. x 8-1/2" face)
16	264 371 R91	PULLEY, belt (12-1/2" dia. x 8-1/2" face)
17	6 679 D	RETAINER, belt pulley oil seal 3/8 x 1-3/8" hex-hd. cap SCREW (4) 3/8" lock WASHER (4)
18	48 524 D	WASHER, belt pulley oil seal felt
19	53 970 D	OIL SEAL, belt pulley
20	48 526 D	GASKET, belt pulley oil seal retainer
21	ST 206	BEARING, belt pulley
22	6 682 D	CAGE, belt pulley bearing

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

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(REV. NO. 1 11-61)



MISCELLANEOUS EQUIPMENT

REF. NO.	I. H. PART NUMBER	DESCRIPTION
BELT PULLEY - CONTINUED		
23	48 521 D	SHIM, belt pulley bearing cage (heavy) (X)
24	48 522 D	SHIM, belt pulley bearing cage (medium) (X)
25	48 523 D	SHIM, belt pulley bearing cage (light) (X)
26	53 251 D	GEAR, belt pulley (17 T)
27	53 252 D	SHAFT, belt pulley
28	268 500 R91	BREATHER, belt pulley gear box
29	190 570	PIPE, belt pulley gear box breather
30	108 687	ELBOW, 1" x 90° belt pulley gear box breather pipe
31		Follows Reference No. 33
32		Follows Reference No. 33
33	6 846 DX 144 000 144 002	BOX, gear, belt pulley PLUG, 1" sq.-soc. pipe PLUG, 1-1/2" sq.-soc. pipe (2)
34	49 542 D	SHIM, belt pulley carrier (heavy)
35	49 543 D	SHIM, belt pulley carrier (medium)
36	49 544 D	SHIM, belt pulley carrier (light)
37	45 558 DA	LOCK, belt pulley pinion retaining washer bolt
38	49 178 DA	WASHER, belt pulley pinion retaining 3/8NF x 1" hex-hd. cap SCREW (2)
39	53 256 D	PINION, belt pulley (16 T)
40	49 546 D	RETAINER, belt pulley pinion shaft rear bearing 3/8 x 3/4" hex-hd. cap SCREW (2) 3/8" lock WASHER (2)
41	ST 206	BEARING, rear belt pulley pinion shaft
42	8 390 DB	CARRIER, belt pulley 3/4" NUT 7/16 x 1-1/2" hex-hd. cap SCREW (8) 5/8 x 2-1/4" hex-hd. cap SCREW (4) 3/4 x 1-3/4" hex-hd. cap SCREW 7/16" lock WASHER (8)
43	53 255 D	SHAFT, belt pulley pinion
44	ST 215	BEARING, front belt pulley pinion shaft
45	53 253 D	COUPLING, belt pulley (16 T) 3/8NF x 1" hex-hd. cap SCREW (2)
46	49 178 DA	WASHER, belt pulley coupling retaining
47	45 558 DA	LOCK, belt pulley coupling retaining washer bolt
48	53 258 D	COUPLING, belt pulley shifter (16 T)
49	57 255 D	BAFFLE, power shaft bearing cage
50	13 722 D	POPPET, belt pulley shifter (optional with D 2 616)
50	D 2 616	POPPET, belt pulley shifter (optional with 13 722 D)
51	64 163 D	SPRING, belt pulley shifter poppet
52	49 105 D	BUSHING, belt pulley shifter poppet 3/4" jam NUT
53	ST 205 A	BEARING, belt pulley gear
54	49 178 DA	WASHER, belt pulley gear bearing retaining 3/8NF x 1" hex-hd. cap SCREW



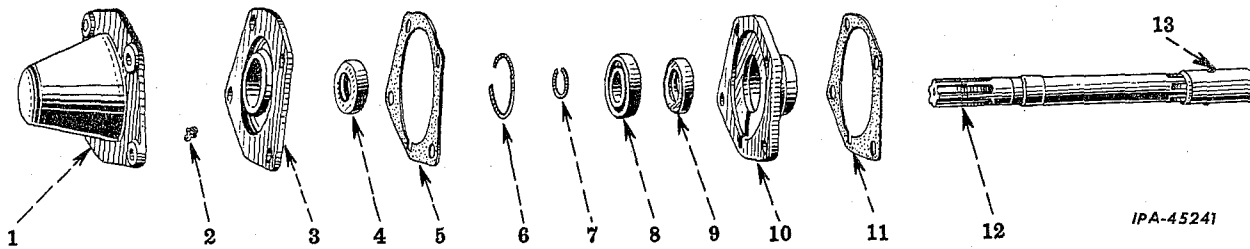
MISCELLANEOUS EQUIPMENT

REF. NO.	I. H. PART NUMBER	DESCRIPTION
BELT PULLEY - CONTINUED		
55	45 558 DA	LOCK, belt pulley gear bearing retaining washer bolt
56	49 538 D	GASKET, belt pulley gear bearing cover
57	59 545 D	COVER, belt pulley gear bearing 3/8 x 3/4" hex-hd. cap SCREW (3) 3/8" lock WASHER (3)
58	264 097 R2	BALL, belt pulley shifter hand lever
59	275 777 R11	LEVER w/BALL, 265 097 R2, belt pulley shifter hand 3/8 x 1-1/4" hex-hd. cap SCREW 3/8" lock WASHER
60	45 532 DA	KEY, belt pulley shifter hand lever
61	275 775 R1	BRACKET, belt pulley shifter hand lever 3/8NF NUT (2) 3/8NF x 1-1/8" hex-hd. cap SCREW (2) 3/8" lock WASHER (2)
62	275 778 R1	SHAFT, belt pulley shifter hand lever
63	275 776 R1	BRACKET, belt pulley shifter hand lever shaft 3/8NF NUT (2) 3/8NF x 3/4" hex-hd. cap SCREW (2) 3/8" lock WASHER (2)
64	8 807 DA	LEVER, short belt pulley shifter 3/8 x 1-1/4" hex-hd. cap SCREW 3/8" lock WASHER
65	45 532 DA	KEY, belt pulley shifter lever (2)
66	275 765 R1	ROD, belt pulley shifter lever 3/8NF NUT (2) 1/8 x 3/4" cotter PIN
67	48 906 D	BLOCK, belt pulley shifter lever rod adjusting 3/32 x 5/8" cotter PIN
68	275 764 R1	LEVER, belt pulley shifter (long) 3/8 x 1-1/4" hex-hd. cap SCREW 3/8" lock WASHER
69	275 399 R1	SHAFT, belt pulley shifter
70	45 532 DA	KEY, belt pulley shifter fork
71	8 393 DA	FORK, belt pulley shifter 3/8NF x 1-1/4" hex-hd. cap SCREW 3/8" lock WASHER
72	49 541 DA	PIN, belt pulley shifter (2)
	109 461	FITTING, power shaft bearing lubrication (optional with 138 322 H) (in carrier)
	138 322 H	FITTING, power shaft bearing lubrication (optional with 109 461) (in carrier)
	49 547 DA	GASKET, belt pulley carrier
	258 574 R91	PINION, 53 256 D, w/GEAR, 53 251 D, belt pulley drive (matched set)
	63 416 D	SCREW, belt pulley shifter fork stop 3/8" lock WASHER
		X - As Required.



MISCELLANEOUS EQUIPMENT

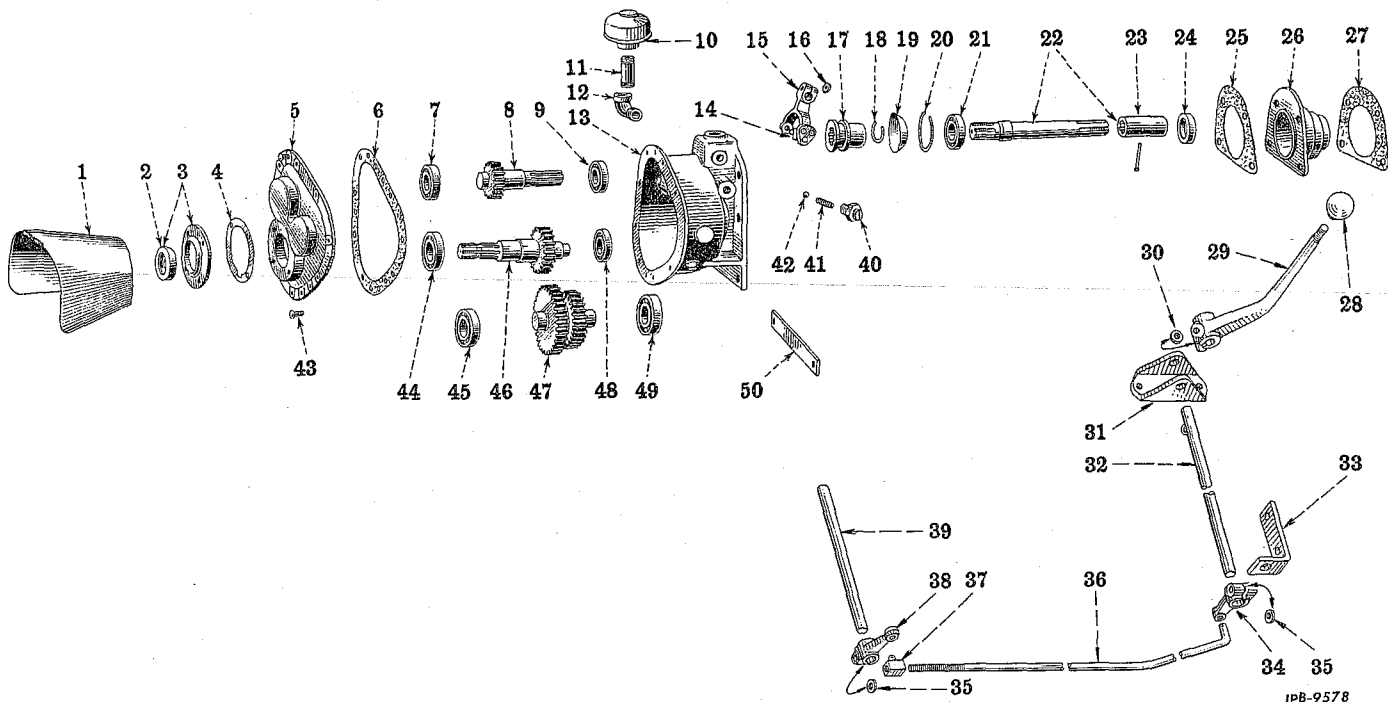
REAR POWER TAKE-OFF



IPA-45241

REF. NO.	I.H. PART NUMBER	DESCRIPTION
	53 962 DA	ATTACHMENT, power take-off rear (See NOTES 1 and 3)
1	6 843 D	COVER, power take-off shaft end (not for belt pulley) 5/8 x 2-1/4" hex-hd. cap SCREW (4)
2	109 461	FITTING, power take-off shaft bearing lubrication (Lincoln 5000) (optional with 138 322 H)
2	138 322 H	FITTING, power take-off shaft bearing lubrication (Alemite 1610B) (optional with 109 461)
3	8 391 D	CAGE, power take-off shaft bearing oil seal
4	53 967 D	OIL SEAL, outer power take-off shaft bearing
5	49 547 DA	GASKET, power take-off shaft bearing cage
6	48 514 D	RING, outer power take-off shaft bearing retaining snap

REAR REDUCED SPEED POWER TAKE-OFF



IPB-9578



MISCELLANEOUS EQUIPMENT

REAR POWER TAKE-OFF - CONTINUED

REF. NO.	I.H. PART NUMBER	DESCRIPTION
7	48 512 D	RING, inner power take-off shaft bearing retaining snap
8	ST 205 A	BEARING, ball, power take-off shaft
9	53 968 D	OIL SEAL, inner power take-off shaft
10	8 392 DA	CAGE, power take-off shaft bearing
11	49 547 DA	GASKET, power shaft bearing oil seal cage
12	53 966 DAX	SHAFT w/COUPLING, 49 548 D, power take-off
13	49 548 D	COUPLING, power take-off shaft 5/16 x 2-5/8" rd-hd. steel RIVET
		NOTE 1 - Factory Application - Order on Machine Order Form.
		NOTE 3 - Field Application - Order through Regular Service Parts Channels.

REAR REDUCED SPEED POWER TAKE-OFF - CONTINUED



MISCELLANEOUS EQUIPMENT

REF. NO.	I.H. PART NUMBER	DESCRIPTION
REAR REDUCED SPEED POWER TAKE-OFF - CONTINUED		
	275 763 R91	ATTACHMENT, reduced speed rear power take-off (See NOTES 1 and 3)
1	58 064 DXA	SHIELD, power take-off safety 5/16 x 1" hex-hd. cap SCREW (4) 5/16" lock WASHER (4)
2	58 065 D	OIL SEAL, power take-off gear and shaft
3	8 810 D	RETAINER, power take-off gear and shaft oil seal
4	58 080 D	GASKET, power take-off gear and shaft oil seal retainer
5	8 812 D	COVER, power take-off housing 3/8NF NUT (9) 3/8NF x 1-1/4" hex-hd. cap SCREW (9) 3/8" lock WASHER (9)
6	68 081 D	GASKET, power take-off housing cover
7	ST 214	BEARING, rear power take-off pinion
8	58 086 DB	PINION, power take-off (18 T)
9	ST 205 A	BEARING, front power take-off pinion
10	268 500 R91	BREATHER
11	190 570	PIPE, breather, power take-off
11	108 687	ELBOW, breather pipe
13	8 811 DX	HOUSING w/two PLUG, 103 881 and PLUG, 103 882, power take-off 3/4" NUT 5/8 x 1-1/2" hex-hd. cap SCREW 5/8 x 2" hex-hd. cap SCREW (5) PLUG, 3/4" sq-hd pipe (2) PLUG 1" sq-hd pipe
	103 881	
	130 882	
14	49 541 DA	PIN, power take-off shifter (2)
15	8 809 DA	FORK, power take-off shifter 3/8NF x 1-1/4" hex-hd. cap SCREW 3/8" lock WASHER
16	45 532 DA	KEY, power take-off shifter fork
17	58 073 DB	COUPLING, power take-off shifter
18	48 512 D	RING, power take-off bearing retaining outer snap
19	58 069 D	SLINGER, oil power take-off shaft
20	48 514 D	RING, power take-off shaft bearing retaining inner snap
21	ST 204 A	BEARING, power take-off shaft
22	58 090 DBX	SHAFT w/COUPLING, 49 548 D, power take-off
23	49 548 D	COUPLING, power take-off shaft 5/16 x 2-5/8" b-hd. RIVET
24	53 968 D	OIL SEAL, power take-off shaft bearing
25	58 068 D	GASKET, power take-off housing
26	8 808 D	CAGE, power take-off shaft bearing
27	58 068 D	GASKET, power take-off shaft bearing cage
28	264 097 R2	BALL, power take-off shifter hand lever
29	275 777 R11	LEVER w/BALL, 264 907 R2, power take-off shifter hand 3/8 x 1-1/4" hex-hd. cap SCREW 3/8" lock WASHER



MISCELLANEOUS EQUIPMENT

REF. NO.	I.H. PART NUMBER	DESCRIPTION
REAR REDUCED SPEED POWER TAKE-OFF - CONTINUED		
30	45 532 DA	KEY, power take-off shifter hand lever
31	275 775 R1	BRACKET, power take-off shifter hand lever 3/8NF NUT (2) 3/8 x 1-1/8" hex-hd. cap SCREW (2) 3/8" lock WASHER (2)
32	275 778 R1	SHAFT, power take-off hand lever
33	275 776 R1	BRACKET, power take-off shifter hand lever shaft 3/8NF NUT (2) 3/8 x 3/4" hex-hd. cap SCREW (2) 3/8" lock WASHER (2)
34	8 807 DA	LEVER, power take-off shifter (short) 3/8 x 1-1/4" hex-hd. cap SCREW 3/8" lock WASHER
35	45 532 DA	KEY, power take-off shifter lever (2)
36	275 765 R1	ROD, power take-off shifter lever 3/8NF NUT (2) 1/8 x 3/4" cotter PIN
37	48 906 D	BLOCK, power take-off shifter lever rod adjusting 3/32 x 5/8" cotter PIN
38	275 764 R1	LEVER, power take-off shifter (long) 3/8 x 1-1/4" hex-hd. cap SCREW 3/8" lock WASHER
39	276 981 R1	SHAFT, power take-off shifter
40	49 105 D	BUSHING, power take-off shifter poppet 3/4" jam NUT
41	64 163 D	SPRING, power take-off shifter poppet
42	D 2 616	POPPET, power take-off shifter (optional with 13 722 D)
42	13 722 D	POPPET, power take-off shifter (optional with D 2 616)
43	45 442 D	PIN, power take-off housing cover dowel (2)
44	ST 202	BEARING, rear power take-off gear and shaf
45	ST 205 A	BEARING, rear power take-off idler gear
46	58 087 DB	GEAR and SHAFT, power take-off (24 T)
47	58 084 D	GEAR, power take-off idler (23 and 30 T)
48	ST 241	BEARING, front power take-off gear and sha
49	ST 200	BEARING, front power take-off idler gear
50	58 072 D 256 051 R11	SPACER, power take-off housing EXTENSION w/SPACER, drawbar

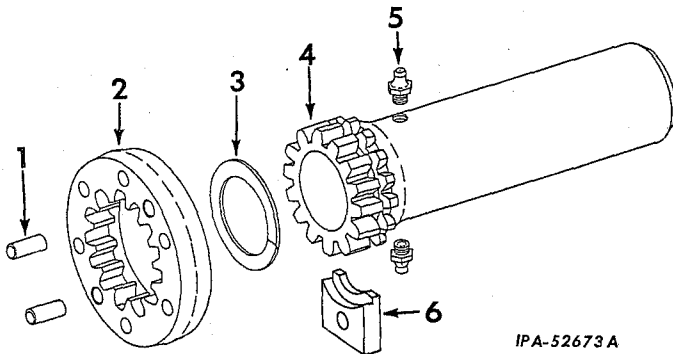
NOTE 1 - Factory Application - Order on Machine Order Form.

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



MISCELLANEOUS EQUIPMENT

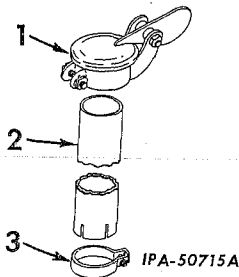
FRONT POWER TAKE-OFF DRIVE



IPA-52673A

REF. NO.	I.H. PART NUMBER	DESCRIPTION
	307 075 R91	ATTACHMENT, front power take-off drive (See NOTES 1 and 3) (*)
1	269 293 R1	PIN, dowel (2)
2	307 077 R1	COUPLING, front power take-off
	306 354 R2	BOLT, front power take-off coupling (5)
3	307 080 R1	SEAL, felt
4	307 078 R2	SHAFT, front power take-off coupling (together with 320 467 R1 will work for 307 078 R1)
5	271 283	FITTING, lubrication (optional with 126 152) (2)
5	126 152	FITTING, lubrication (optional with 271 283) (2)
6	320 467 R1	RETAINER, shaft TD-92 4919 up
6	307 081 R2	RETAINER, shaft TD-92 501 to 4918 3/8 x 1-3/4" hex-hd. cap SCREW 3/8" lock WASHER

EXHAUST PIPE, CAP AND CLAMP



IPA-50715A

REF. NO.	I.H. PART NUMBER	DESCRIPTION
(X) KEY TO UNITS		
A -	320 350 R91	ATTACHMENT, exhaust rain cap (for use with heavy hood attachment) (See NOTE 1 and 3)
B -	314 411 R91	ATTACHMENT, exhaust rain cap (for use with standard hood) (See NOTES 1 and 3)

(X) - Letters of these units correspond with those shown following the description of the parts in the list below and identifies the unit for which the part is used. Items without letters after the description indicates the part is used for all units.



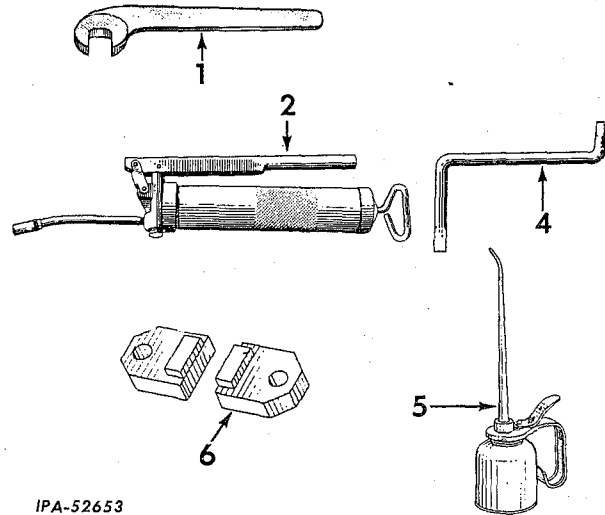
MISCELLANEOUS EQUIPMENT

REF. NO.	I.H. PART NUMBER	DESCRIPTION
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EXHAUST PIPE, CAP AND CLAMP - CONTINUED

1	283 001 R91	CAP, exhaust rain (Unit B)
2	318 994 R1	PIPE, exhaust extension (Unit A)
2	314 413 R1	PIPE, exhaust (Unit B)
3	276 223 R91	CLAMP w/BOLT, 15 022 R1 and 5/16" NUT exhaust extension pipe (2 for Unit B)
3	311 420 R11	CLAMP w/BOLT, 15 022 R1 and 5/16" NUT, exhaust extension pipe (2 for Unit A)
	15 022 R1	BOLT, 5/16 x 1-1/4" carriage (2)
		5/16" NUT (2)

TOOLS



IPA-52653

REF. NO.	I.H. PART NUMBER	DESCRIPTION
1	9 533 DA	WRENCH, front idler adjuster
2	999 677 R91	LUBRICATOR, hand (15 oz. size) (Lincoln Engineering Co. - 1169)
4	304 910 R2	WRENCH, socket plug
5	271 406 R91	CAN, oil
6	275 141 R11	ANGLE w/BLOCK, steering clutch compressor (2)
	309 015 R91	LUBRICATOR (tank type) (for components see list of parts under details of "LUBRICATOR")

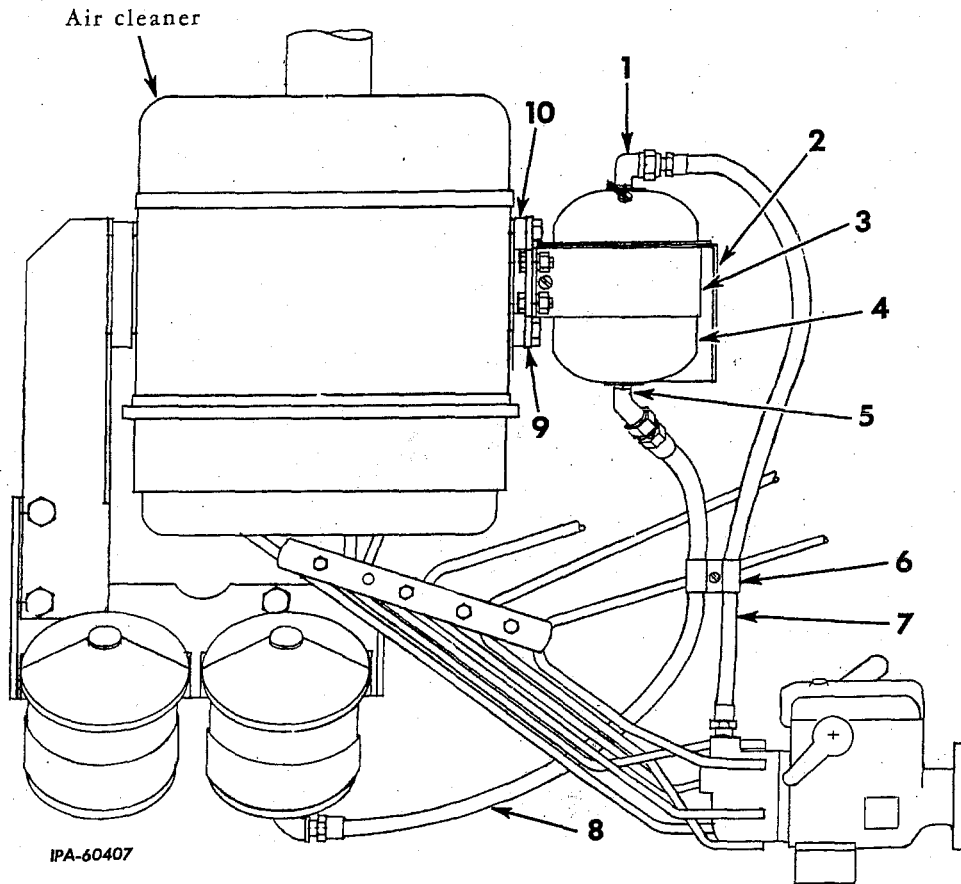
NOTE 1 - Factory Application - Order on Machine Order Form.

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



MISCELLANEOUS EQUIPMENT

WATCH DOG FUEL FILTER



REF. NO.	I.H. PART NUMBER	DESCRIPTION
	315 976 R91	ATTACHMENT, watchdog fuel filter (See NOTES 1 and 3)
1	118 755	ELBOW, 90° x 3/8" filter outlet
2	315 974 R1	SHIELD, heat
3	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)
4	277 025 R92	FILTER, watchdog fuel

REF. NO.	I.H. PART NUMBER	DESCRIPTION
5	270 981 R1	ELBOW, filter inlet
6	66 362 D 262 038 R1	CLAMP, fuel pipe (2) NUT, Tinnerman type "U" speed (2) 1/4 x 1/2" slt-fil-hd. machine SCREW
7	271 140 R91	HOSE, filter outlet (22" long)
8	271 140 R91	HOSE, filter inlet (22" long)
9	315 973 R1	PLATE, watchdog filter bracket 3/8 x 1-1/2" hex-hd. cap SCREW (2)
10	315 972 R1	SPACER, watchdog bracket plate (2)

NOTE 1 - Factory Application - Order on Machine Order Form.
NOTE 3 - Field Application - Order through Regular Service Parts Channels.



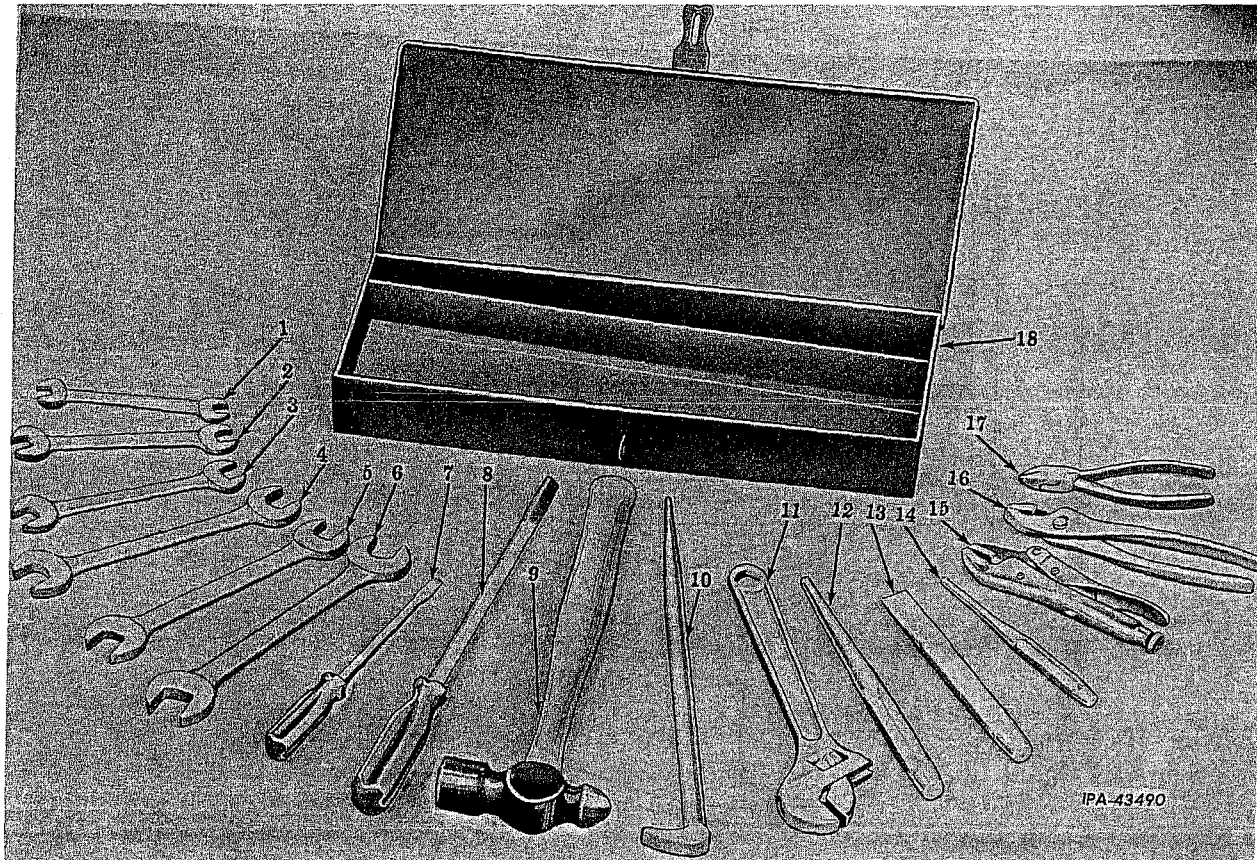
MISCELLANEOUS EQUIPMENT

TOOL SET
(Owatonna Tool Co.)



MISCELLANEOUS EQUIPMENT

TOOL SET - CONTINUED
(Owatonna Tool Co.)



REF. NO.	OWATONNA NUMBER	DESCRIPTION
TOOL SET (consists of seventeen tools and tool box) (also see "Tools" listed in Miscellaneous Equipment Section of Catalog) (See NOTE) (IH Part Number 276 820 R91)		
1	E-1416	WRENCH, end (7/16 x 1/2")
2	E-1820	WRENCH, end (9/16 x 5/8")
3	E-2022	WRENCH, end (5/8 x 11/16")
4	E-2426	WRENCH, end (3/4 x 13/16")
5	E-2628	WRENCH, end (13/16 x 7/8")
6	E-3032	WRENCH, end (15/16 x 1")
7	SS-83	SCREWDRIVER (1/4" shank)
8	SS-123	SCREWDRIVER (3/8" shank)
9	BP-32	HAMMER (ball peen)
10	PB-32	BAR, pry (9/16" rd. x 16" long)
11	DA-12	WRENCH (12" adjustable)
12	TP-24	PUNCH (5/16" bit x 10" long)
13	CC-24	CHISEL (7/8" bit x 8" long)

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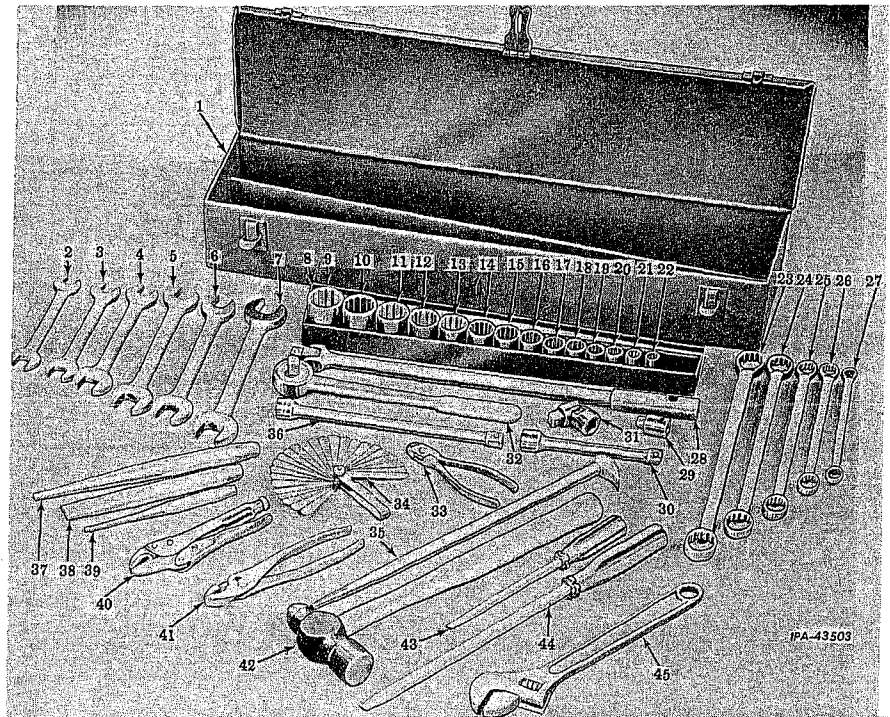
REF. NO.	OWATONNA NUMBER	DESCRIPTION
14	PP-6	PUNCH (3/16" bit x 10" long)
15	719	WRENCH, vise grip (7")
16	712-A	PLIER (slip joint, 8")
17	700-B	CUTTER, diagonal (6")
18	H-190	BOX, tool

NOTE - Order individual tools and complete tool sets from Service Tools, Inc., 1923 So. Indiana Ave., Chicago 16, Illinois.

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MISCELLANEOUS EQUIPMENT

TOOL SET
(Owatonna Tool Co.)

REF. NO.	OWATONNA NUMBER	DESCRIPTION
		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 R 91) (See NOTE)
1	H-391	BOX, tool
2	E-1416	WRENCH, end (7/16 x 1/2")
3	E-1820	WRENCH, end (9/16 x 5/8")
4	E-2022	WRENCH, end (5/8 x 11/16")
5	E-2426	WRENCH, end (3/4 x 13/16")
6	E-2628	WRENCH, end (13/16 x 7/8")
7	E-3032	WRENCH, end (15/16 x 1")
8	195	TRAY
9	140	SOCKET (1-1/4")
10	138	SOCKET (1-3/16")
11	136	SOCKET (1-1/8")
12	134	SOCKET (1-1/16")
13	132	SOCKET (1")
14	130	SOCKET (15/16")
15	128	SOCKET (7/8")
16	126	SOCKET (13/16")
17	124	SOCKET (3/4")
18	122	SOCKET (11/16")
19	120	SOCKET (5/8")
20	118	SOCKET (9/16")
21	116	SOCKET (1/2")
22	114	SOCKET (7/16")
23	B-3032	WRENCH, box (15/16 x 1")
24	B-2628	WRENCH, box (13/16 x 3/4")
25	B-2024	WRENCH, box (5/8 x 3/4")
26	B-1820	WRENCH, box (9/16 x 5/8")
27	B-1416	WRENCH, box (7/16 x 1/2")



MISCELLANEOUS EQUIPMENT

TOOL SET - CONTINUED
(Owatonna Tool Co.)

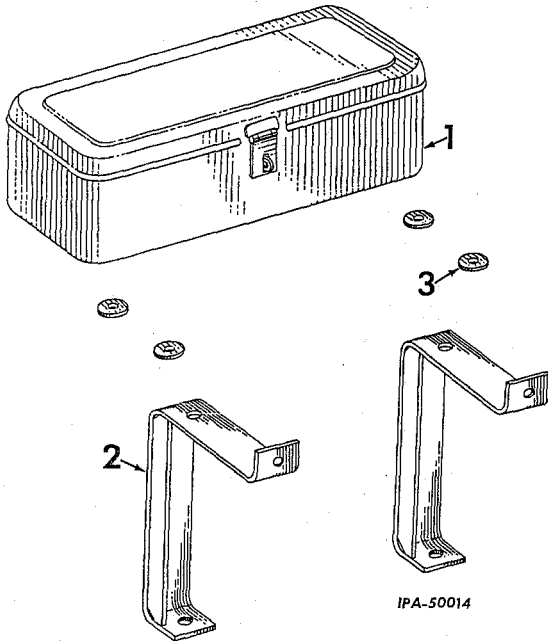
REF. NO.	OWATONNA NUMBER	DESCRIPTION
28	H-177	HANDLE, flex
29	D-1612	ADAPTER (1/2" female, 3/8" male)
30	H-172	EXTENSION (6")
31	H-189	JOINT, universal
32	H-163	RATCHET (reversible)
33	700-B	CUTTER, diagonal (6")
34	861	GAUGE, feeler (25 blades)
35	PB-43	BAR, pry (9/16" rd. x 16" long)
36	H-173	EXTENSION (10")
37	TP-24	PUNCH (5/16" bit x 10" long)
38	CC-24	CHISEL (7/8" bit x 8" long)
39	PP-6	PUNCH (3/16" bit x 7" long)
40	719	WRENCH, vise grip (7")
41	712-A	PLIER (slip joint, 8")
42	BP-32	HAMMER (ball peen)
43	SS-83	SCREWDRIVER (1/4" shank)
44	SS-123	SCREWDRIVER (3/8" shank)
45	DA-12	WRENCH (12" adjustable)

NOTE - Order individual tools and complete tool sets from Service Tools, Inc., 1923 So. Indiana Ave., Chicago 16, Illinois



MISCELLANEOUS EQUIPMENT

TOOL BOX



REF. NO.	I. H. PART NUMBER	DESCRIPTION
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(X) - KEY TO UNITS -

- A - 264 473 R91 ATTACHMENT, tool box 21" less lock and keys (spacer mounted) (See NOTES 1 and 3)
 B - SERVICE PARTS for tool box 21" w/LOCK and KEY (bracket mounted)

(X) - Letters of these units correspond with those shown following the description of the parts in the list below and identifies the unit for which the part is used. Items without letters after the description indicates the part is used for all units.

1	280 655 R91	BOX, tool (21") (Unit A) 3/8" NUT (4) 3/8 x 1-1/4" hex-hd. cap SCREW (4) 3/8" lock WASHER (4)
1	276 132 R91	BOX, tool (21") (Unit B) 3/8" NUT (4) 3/8 x 7/8" hex-hd. cap SCREW (2) 3/8 x 1" hex-hd. cap SCREW (2) 3/8" lock WASHER (4)
2	277 454 R11	BRACKET, tool box mounting (2 for Unit B) 3/8" NUT (2) 3/8 x 1-1/4" hex-hd. cap SCREW (2) 3/8" lock WASHER (2)
3	280 874 R1	SPACER, tool box (4 for Unit A)
	276 678 R91	PADLOCK w/KEY (Unit B)

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

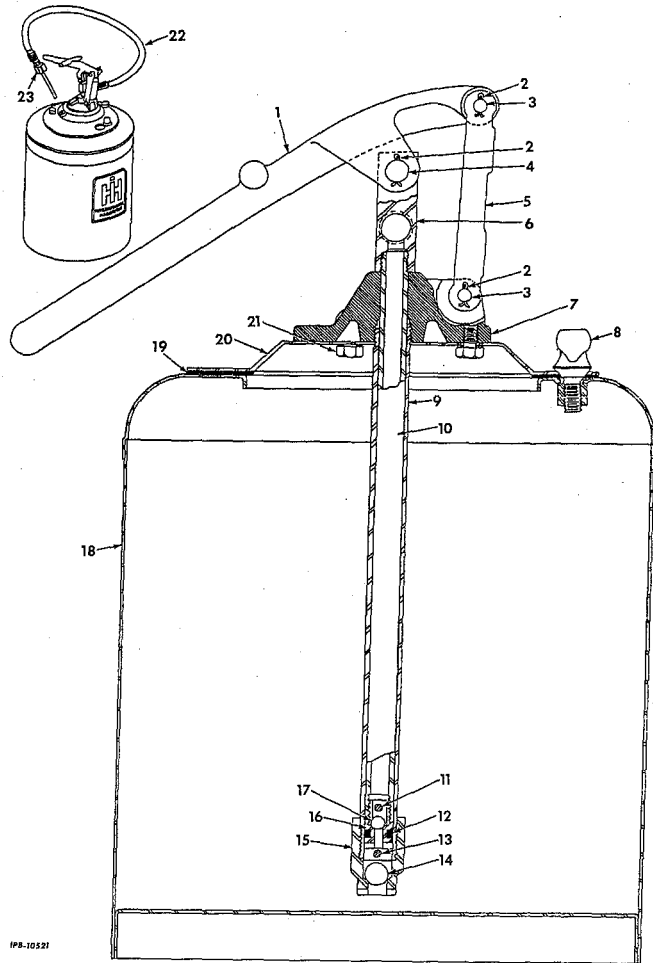
NOTE 3 - Field Application - Order through Regular Service Parts Channels.



MISCELLANEOUS EQUIPMENT

LUBRICATOR

(Tank Type) (Lincoln Engineering Co.)



REF. NO.	I. H. PART NUMBER	DESCRIPTION
	309 015 R91	LUBRICATOR ASSEMBLY (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)
11	53 200 D	PIN, piston (11174)
12	53 203 D	PACKING, piston (34078)
13	53 201 D	PIN, foot valve (11175)
14	H 5 476	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)



MISCELLANEOUS EQUIPMENT

REF. NO.	I.H. PART NUMBER	DESCRIPTION
DECALCOMANIAS		
306 941 R92		PACKAGE, service decalcomania (Consists of 21 Decalcomanias as follows)
1 000 693 R3		DECALCOMANIA, "I.H." of Canada
1 000 889 R4		DECALCOMANIA, injection pump lubrication
1 001 071 R2		DECALCOMANIA, generator warning
1 001 441 R1		DECALCOMANIA, "Diesel" (*)
1 001 632 R1		DECALCOMANIA, "International" (rear of tank) (*)
1 001 675 R1		DECALCOMANIA, air cleaner instructions (for United Specialties Cleaner)
2 750 005 R1		DECALCOMANIA, shifting diagram
2 750 078 R1		DECALCOMANIA, "I.H." monogram (rear of tank)
2 750 083 R1		DECALCOMANIA, "International" (on hood) (2) (*)
2 750 120 R1		DECALCOMANIA, "I.H." Monogram (radiator sides) (2)
2 750 243 R2		DECALCOMANIA, engine shut-down
2 750 327 R1		DECALCOMANIA, "International" (on hood) (2)
2 750 328 R1		DECALCOMANIA, "International" (rear tank)
2 750 491 R1		DECALCOMANIA, "Diesel"
2 750 494 R1		DECALCOMANIA, TD-6 model symbol (fuel tank sides) (2)
2 750 495 R1		DECALCOMANIA, TD-9 model symbol (fuel tank sides) (2)

REF. NO.	I.H. PART NUMBER	DESCRIPTION
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MISCELLANEOUS DECALCOMANIAS

Not included with Service PACKAGE, 306 941 R92		
1 000 696 R1		DECALCOMANIA, radiator shutter control
1 001 170 R1		DECALCOMANIA, blower fan
1 001 513 R1		DECALCOMANIA, air pre-cleaner instruction (for TD-62 equipment combination only)
1 001 516 R1		DECALCOMANIA, air cleaner instructions (for Donaldson Cleaner)
2 750 008 R1		DECALCOMANIA, shifting diagram (for two speed reverse transmission)
2 750 387 R1		DECALCOMANIA, primary fuel filter instruction
2 750 390 R1		DECALCOMANIA, final fuel filter instruction
2 750 550 R1		DECALCOMANIA, lubricating oil filter instructions
2 750 589 R1		DECALCOMANIA, fuel tank drain
2 750 612 R1		DECALCOMANIA, outboard fan caution
2 750 624 R1		DECALCOMANIA, engine starting procedure
2 750 642 R1		DECALCOMANIA, engine running with tractor stopped

(*) Use on tractors painted other than yellow.



MISCELLANEOUS EQUIPMENT

REF. NO.	I.H. PART NUMBER	DESCRIPTION
PACKAGE ASSORTED GASKETS		
310 386 R94		GASKET SET, engine (Consists of the following gaskets -
260 879 R4		GASKET, precombustion chamber (6)
272 761 R1		GASKET, nozzle valve (6)
308 011 R1		GASKET, nozzle valve (6)
260 879 R4		GASKET, nozzle body (6)
69 674 R1		GASKET, water pump plate
69 676 R1		GASKET, water pump
278 280 R1		GASKET, thermostat housing
304 091 R1		GASKET, oil cooler manifold
251 403 R1		GASKET, relief valve plug
369 982 R1		GASKET, push rod cover
369 981 R1		GASKET, breather pipe flange
278 265 R1		GASKET, crankcase front plate
278 268 R1		GASKET, crankcase front cover
278 270 R1		GASKET, injection pump gear cover
369 984 R1		GASKET, crankcase oil pan
3 405 H		GASKET, oil pan drain plug
353 936 R2		GASKET, oil pan shaft support
318 366 R1		GASKET, cylinder head
278 308 R1		GASKET, valve cover
278 347 R1		GASKET, injection pump adapter
51 527 DC		GASKET, water trap
69 607 R1		GASKET, oil pump body
304 279 R1		GASKET, lubricating oil filter base
3 405 H		GASKET, lubricating oil pressure relief valve plug
304 854 R1		GASKET, oil filter case
304 012 R1		GASKET, oil filter center tube
278 313 R1		GASKET, exhaust manifold - ends (2)
278 314 R1		GASKET, exhaust manifold - center (2)
305 804 R1		GASKET, intake manifold
304 391 R1		GASKET, turbo-charger
253 660 R1		GASKET, turbo oil inlet flange
253 664 R1		GASKET, turbo oil outlet
306 662 R1		GASKET, air outlet pipe flange
252 728 R1		"O" RING, pump adapter
350 684 R1		"O" RING, oil cooler to manifold (2)
251 044 R2		SEAL, nozzle body dust (6)
254 753 R1		SEAL, thermostat
62 866 D		WASHER, valve cover bolt (4)

310 446 R94		GASKET SET, valve grinding (Consists of the following gaskets -
279 299 R1		DEFLECTOR, oil valve stem (6)
278 280 R1		GASKET, thermostat housing
278 308 R1		GASKET, valve cover
278 313 R1		GASKET, exhaust manifold - ends (2)
278 314 R1		GASKET, exhaust manifold - center (2)
318 366 R3		GASKET, cylinder head
305 804 R1		GASKET, intake manifold
62 866 D		WASHER, valve cover (4)



EQUIPMENT COMBINATIONS

REF. NO.	I. H. PART NUMBER	DESCRIPTION
RIGID TRACK LOADER		
		TD-9-426-0 EQUIPMENT COMBINATION, rigid track loader 60 inch gauge crawler tractor
303 524 R91		ATTACHMENT, 15" overlapping flat track shoe (low profile three grouser) (See NOTE)
307 075 R91		ATTACHMENT, front power take-off (See NOTE)
307 161 R91		ATTACHMENT, crankcase guard (See NOTE)
		HEAVY HOOD (SPECIAL) (See NOTE) OUTBOARD FAN (SPECIAL) (See NOTE) RADIATOR GUARD (SPECIAL) (See NOTE)
		RIGID EXTENDED TRACK FRAME (SPECIAL) (See NOTE) TWO SPEED REVERSE TRANSMISSION (SPECIAL) (See NOTE)
276 132 R91		BOX, 21" tool 3/8" NUT (4) 3/8 x 1" hex-hd. cap SCREW (4) 3/8" lock WASHER (4)
276 099 R92		LEVER, gear shift hand
307 813 R91		PUMP, fuel injection (Roosa-Master, Hart- ford Mach. Screw Co.) (1800 RPM) (Service parts are the same as for PUMP, 306 653 R91, listed in the "Fuel System" Section of this catalog except for the differ- ence in RPM which is obtained by adjust- ment.
314 016 R1		SPACER, counter weight stud (X) (2)
311 128 R1		TUBE, fuel tank overflow SCREW, 3/8 x 1-1/4" hex-hd. cap (high pressure line to Drott valve) (4) WASHER, 3/8" lock (high pressure line to Drott valve) (4) WASHER, 1-1/16 x 2 x 1/8" flat (for Drott tie-rod) (2)
18 588 R1		NUT, 3/4NF (Esna) (Drott carrying frame to rigid bar-rear) (4) SCREW, 3/4NF x 4" hex-hd. cap (Drott carrying frame to rigid bar-rear) (4)
18 584 R1		NUT, 7/8NF (Esna) (Drott carrying frame to rigid bar-front) (4) SCREW, 7/8NF x 4" hex-hd. cap (Drott carrying frame to rigid bar - front) (4) SCREW, 3/4 x 1-1/2" hex-hd. cap (hydrau- lic pump to tractor) (4) SCREW, 7/16 x 1-1/2" hex-hd. cap (Drott hydraulic pipes to pump) (8) WASHER, 7/16" lock (Drott hydraulic pipes to pump) (8)
138 322 H		FITTING, 1/8NPT straight type lubricating (push frame hinge bearing) (optional with 109 461) (2)
109 461		FITTING, 1/8NPT straight type lubricating (push frame hinge bearing) (optional with 138 322 H) (2)
		NUT, 1/2" (pipe clamp high and low pressure tube) SCREW, 1/2 x 2-1/2" hex-hd. cap (pipe clamp high and low pressure tube) WASHER, 1/2" lock (pipe clamp high and low pressure tube) SCREW, 3/8 x 4" hex-hd. cap (high and low pressure clamp bracket to oil filter pipe) SCREW, 3/8 x 4-1/2" hex-hd. cap (high and low pressure clamp bracket to oil filter pipe) WASHER, 13/32 x 13/16 x 1/16" (high and low pressure clamp bracket to oil filter pipe) (2) NUT, 3/8" (clamp to clamp bracket) SCREW, 3/8 x 3" hex-hd. cap (clamp to clamp bracket) WASHER, 3/8" lock (clamp to clamp bracket)



EQUIPMENT COMBINATIONS

REF. NO.	I. H. PART NUMBER	DESCRIPTION
RIGID TRACK LOADER - CONTINUED		
		TD-9-426-0 EQUIPMENT COMBINATION, rigid track loader 60 inch gauge crawler tractor - Continued The following additional attachments can also be furnished when ordered to be used with the above Rigid Track Loader Equipment Combination.
	5 961 DX	ATTACHMENT, front pull hook (See NOTE)
	57 536 D	ATTACHMENT, cutaway sprocket (See NOTE)
	256 646 R91	ATTACHMENT, low boiling point thermostat and heat indicator (See NOTE)
	257 777 R91	ATTACHMENT, sprocket drive housing shield (See NOTE)
	263 420 R91	ATTACHMENT, front idler shield (See NOTE)
	266 337 R91	ATTACHMENT, fuel strainer (See NOTE)
	274 570 R91	ATTACHMENT, headlight brush guard (See NOTE)
	275 292 R91	ATTACHMENT, air pipe extension (See NOTE)
	275 774 R91	ATTACHMENT, air pre-cleaner (collector type) (See NOTE)
	275 792 R91	ATTACHMENT, electric hourmeter (See NOTE)
	303 644 R91	ATTACHMENT, 15" overlapping flat track shoe (low straight type grouser) (See NOTE) (+)
	303 645 R91	ATTACHMENT, 15" overlapping track shoe (See NOTE) (+)
	303 646 R91	ATTACHMENT, 15" staggered lug grouser tractor shoe (See NOTE) (+) (*)
	303 647 R91	ATTACHMENT, 15" clipped corner track shoe (See NOTE) (+) (*)
	303 840 R91	ATTACHMENT, track roller shield (See NOTE)
	307 070 R91	ATTACHMENT, hood side door (See NOTE)
		DOUBLE FLANGE TRACK ROLLER (SPECIAL) (See NOTE)
		TRACK FRAME DIAGONAL BRACK (SPECIAL) (See NOTE)
		(*) - These attachments can be furnished only with the approval of the Construction Equipment Engineering Department.
		(X) - Two Specers are required when tractor is furnished without counter weight.
		(+) - 15 inch is the maximum allowable track shoe width on this combination.
		NOTE - Service parts are listed in Standard Parts Section of Miscellaneous Equip- ment Section of this catalog.



EQUIPMENT COMBINATIONS

REF. NO.	I. H. PART NUMBER	DESCRIPTION
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SIDE BOOM

TD-9-504-0 EQUIPMENT COMBINATION, sideboom 60 inch
gauge crawler tractor

5 961 DX ATTACHMENT, front pull hook (See NOTE)
307 161 R91 ATTACHMENT, crankcase guard (See NOTE)

303 536 R11 LEVER, engine clutch hand
303 537 R11 LEVER, LH steering clutch hand
303 538 R11 LEVER, RH steering clutch hand

RIGID EXTENDED TRACK FRAME (SPECIAL)
(See NOTE)
TWO SPEED REVERSE TRANSMISSION
(SPECIAL) (See NOTE)

The following addition Attachments can
also be furnished when ordered to be used
with the above sideboom Equipment Comb-
ination.

57 536 D ATTACHMENT, cut-a-away sprocket (See
NOTE)
256 646 R91 ATTACHMENT, low boiling point thermostat
and head indicator (See NOTE)
257 777 R91 ATTACHMENT, sprocket drive housing
shield (See NOTE)
263 420 R91 ATTACHMENT, front idler shield (See NOTE)
266 337 R91 ATTACHMENT, fuel strainer (See NOTE)
268 420 R91 ATTACHMENT, blower fan (See NOTE)
274 570 R92 ATTACHMENT, head lamp brush guard
(See NOTE)
275 792 R91 ATTACHMENT, electric hourmeter (See
NOTE)
275 916 R91 ATTACHMENT, odometer (See NOTE)
277 421 R91 ATTACHMENT, bi-metallic driven number
(See NOTE)
277 675 R91 ATTACHMENT, asbestos metallic driven
member (See NOTE)
278 730 R91 ATTACHMENT, cigarette lighter (See NOTE)
299 931 R91 ATTACHMENT, radiator guard (See NOTE)
303 840 R92 ATTACHMENT, track roller shield (See
NOTE)
307 075 R91 ATTACHMENT, front power take-off (See
NOTE)
307 167 R91 ATTACHMENT, radiator shutter (See NOTE)
311 085 R91 ATTACHMENT, 20" clipped corner track
shoe (See NOTE) (+)
314 345 R91 ATTACHMENT, 22" clipped corner track
shoe (See NOTE) (+)

DOUBLE FLANGE TRACK ROLLER (Special)
(See NOTE)

276 820 R91 TOOL KIT (See NOTE)
276 821 R91 TOOL KIT (See NOTE)

(+) - 22 inch is the maximum allowable track
shoe width on this combination.

NOTE - Service parts are listed in Standard
Parts Section or Miscellaneous
Equipment Section of this Catalog.



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