

## INTRODUCTION

This catalog contains a complete list of service parts for the TD-15 (150 Series) and the TD-15 (151 Series) Crawler Tractors. These tractors have a 6-Cylinder 4-5/8 x 5-1/2 inch 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 illustration.

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.

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

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

(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 column:

| 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 4.

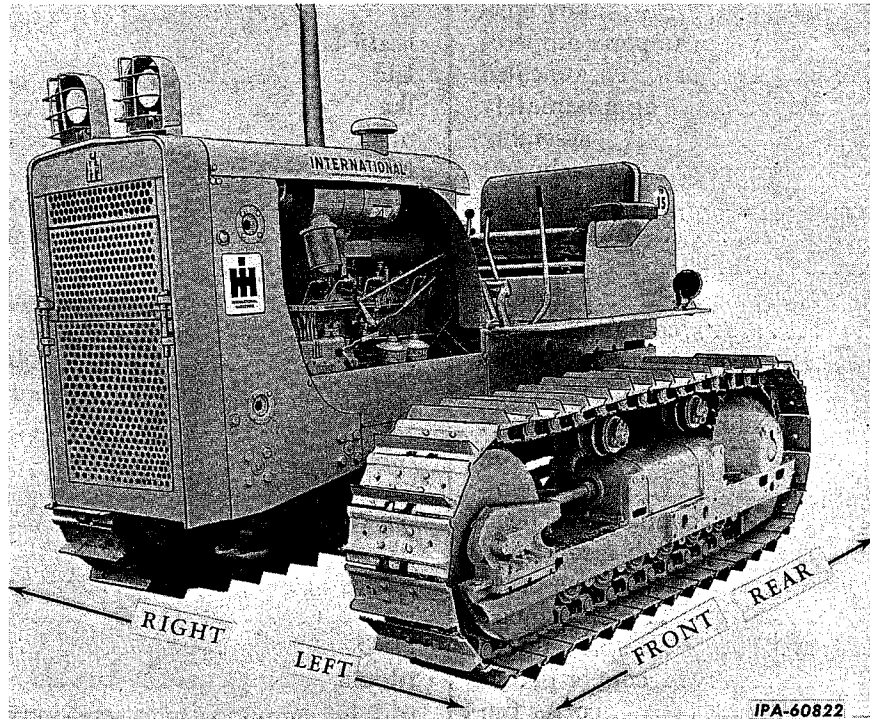
(8) **SERIAL NUMBERS AND LETTERS.** Follows is a list of prefixes and letters that precede the serial numbers for these tractors.

| <u>Crawler Tractor</u> | <u>Engine Serial Prefix</u> | <u>Basic Engine Serial Prefix</u> | <u>Chassis Serial Prefix</u> |
|------------------------|-----------------------------|-----------------------------------|------------------------------|
| TD-15<br>(150 Series)  | TD-150M                     | BSD-554                           | TD-150                       |
| TD-15<br>(151 Series)  | TD-151M                     | BSD-554                           | TD-151                       |

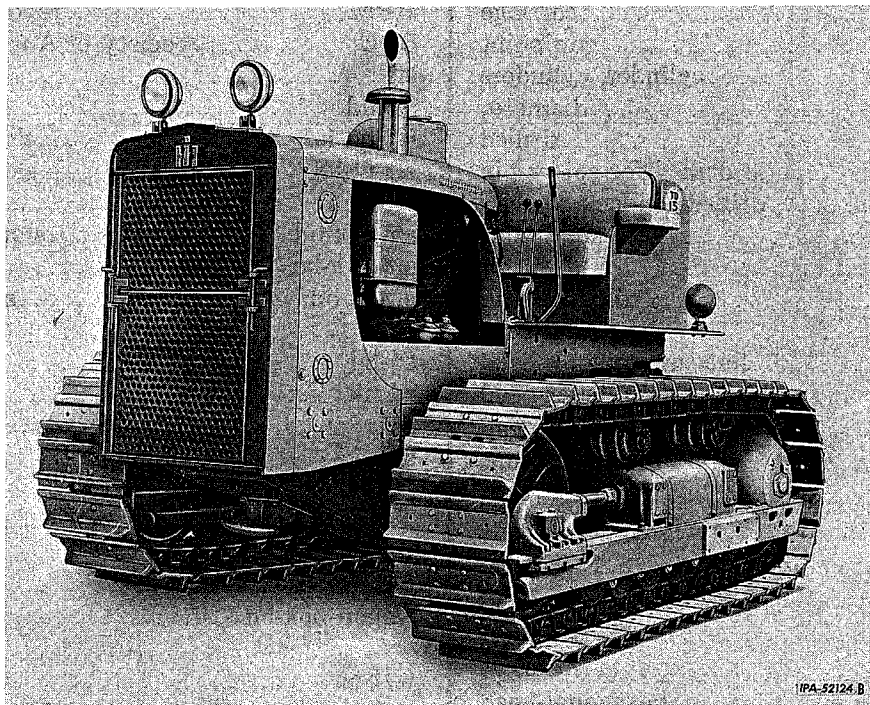
Engine serial number for TD-15 (150 Series) Crawler Tractor starts with TD-150M-501. Engine serial number for TD-15 (151 Series) Crawler Tractor starts with TD-151M-4001. Serial number for Basic Service Engine start with BSD-554-501. Serial numbers for Basic engines and engines of these crawler tractors are stamped on a pad on the left side of the engine crankcase, above and to the left of the Injection Pump, preceded by model designation BSD-554 or TD-150M or TD-151M.

Chassis or crawler tractor serial numbers for TD-15 (150 Series) start with TD-150-501. Chassis or crawler tractor serial numbers for TD-15 (151 Series) start with TD-151-4001. Serial numbers for these 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 serial numbers, including model prefix and suffix letters when ordering parts.



**TD-15-151 Series tractor equipped with crankcase guard and front pull hook, radiator guard, headlights and rear light attachments.**



**TD-15-150 Series tractor equipped with crankcase guard and front pull hook, radiator guard, headlights and rear light attachments.**

## LIST OF ABBREVIATIONS

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

|                |                                       |                |                                 |
|----------------|---------------------------------------|----------------|---------------------------------|
| al             | aluminum                              | in.            | inch or inches                  |
| aly-stl        | alloy steel                           | lb             | pound, pounds                   |
| amp            | ampere, amperes                       | lentil-hd      | lentil head                     |
| anl            | annealed                              | LH             | left hand                       |
| approx         | approximately                         | lkg            | locking                         |
| assy           | assembly                              | mach           | machine                         |
| att            | attachment                            | MI             | malleable iron                  |
| bd-hd          | binding head                          | NC             | National Coarse Thread          |
| b-hd           | button head                           | NF             | National Fine Thread            |
| brs            | brass                                 | ni             | nickel                          |
| brz            | bronze                                | ni-pltd-stl    | nickel plated steel             |
| cd-pltd        | cadmium plated                        | No.            | number                          |
| cd-pltd-stl    | cadmium plated steel                  | NPT            | National pipe thread            |
| cr-pltd        | chromium plated                       | OC             | outside circumference           |
| cr-pltd-stl    | chromium plated steel                 | OD             | outside diameter                |
| CI             | cast iron                             | ov-hd          | oval head                       |
| csk            | countersunk                           | oz             | ounce                           |
| csk-hd         | countersunk head                      | parkerized-stl | parkerized steel                |
| cl-rec-hd      | clutch recess head                    | pkg            | package                         |
| cone-pt        | cone point                            | pltd           | plated                          |
| contd          | continued                             | pt             | point                           |
| cop            | copper                                | PTO            | power take-off                  |
| cop-pltd       | copper plated                         | rd-end         | round end                       |
| c-pin          | cotter pin                            | rd-hd          | round head                      |
| cres           | corrosion-resistant-steel (stainless) | rd-pt          | round point                     |
| cr-rec-hd      | cross recess head                     | reg            | regular                         |
| cre            | corrosion resisting                   | RH             | right hand                      |
| crg            | carriage                              | RPM            | revolutions per minute          |
| cup-pt         | cup point                             | SAE            | Society of Automotive Engineers |
| cyl            | cylinder, cylinders                   | sf             | semi-finished                   |
| dia            | diameter                              | slt-hd         | slotted head                    |
| dld            | drilled                               | slt-bd-hd      | slotted binding head            |
| dld-f/c-pin    | drilled for cotter pin                | slt-fil-hd     | slotted fillister head          |
| dld-f/lkg-wire | drilled for locking wire              | slt-f-hd       | slotted flat head               |
| dog-pt         | dog point                             | slt-hex-hd     | slotted hexagon head            |
| f/             | for                                   | slt-pan-hd     | slotted pan head                |
| fil-hd         | fillister head                        | slt-rd-hd      | slotted round head              |
| fin-nk         | fin neck                              | sq             | square                          |
| f-csk-hd       | flat countersunk head                 | sq-hd          | square head                     |
| f-fil-hd       | flat fillister head                   | sq-nk          | square neck                     |
| f-hd           | flat head                             | std            | standard                        |
| f-pt           | flat-point                            | std-hd         | standard head                   |
| flex           | flexible                              | stl            | steel                           |
| ft             | foot (or feet)                        | T              | teeth                           |
| ga             | gauge                                 | thd            | thread                          |
| hd             | head                                  | unfin          | unfinished                      |
| hdls           | headless                              | wagon-box-hd   | wagon box head                  |
| hex.           | hexagon                               | w/             | with                            |
| hex-hd         | hexagonal-head                        | w/brz          | with bronze                     |
| hex-soc-hd     | hexagon socket head                   | w/hex.         | with hexagon                    |
| hp             | horsepower                            | w/o            | without                         |
| hv             | heavy                                 | zn             | zinc                            |
| ID             | inside diameter                       | zn-ct          | zinc coated                     |
|                |                                       | zn-pltd        | zinc plated                     |

INDEX TO UNITS

| DESCRIPTION   | Page | DESCRIPTION  | Page   |
|---|------|--|--------|
| <b>CLUTCH</b>   |      | <b>ELECTRICAL SYSTEM</b>                           |        |
| Clutch, over-center engine (15") (Rockford) (hand operated).....      | 78   | Box, battery.....                                  | 64     |
| Controls, clutch (hand operated).....                                 | 77   | Brackets and Swivels, headlight and rear light.... | 61     |
| <b>COOLING SYSTEM</b>   |      | Cables, spark plugs.....                           | 53     |
| Belt, fan.....  | 45   | Coil, ignition.....                                | 51     |
| Fan   |      | Distributor, battery ignition.....                 | 51     |
| Blower.....   | 45   | Generator (Delco-Remy).....                        | 53, 54 |
| Suction.....  | 45   | Generator, high output.....                        | 64     |
| Frame, radiator mounting.....   | 39   | Guard, headlight brush.....                        | 61     |
| Guard   |      | Guard, rear light brush.....                       | 61     |
| Fan.....  | 41   | Guard, tail light.....                             | 60     |
| Radiator (TD-15-150 Series).....                                      | 40   | Light, tail.....                                   | 60     |
| Radiator (TD-15-151 Series).....                                      | 40   | Light, auxiliary, rear.....                        | 60     |
| Manifold, water outlet.....   | 44   | Light, dash.....                                   | 63     |
| Package, radiator guard conversion.....                               | 41   | Light, headlight and rear                          |        |
| Pump, water.....  | 45   | Guide Lamp.....                                    | 66     |
| Radiator (TD-15-150 Series).....                                      | 34   | Hobbs.....   | 65     |
| Radiator (TD-15-151 Series).....                                      | 36   | United Specialties.....                            | 64     |
| Shutter, radiator (TD-15-150 Series).....                             | 42   | Lighter, cigarette.....                            | 63     |
| Shutter, radiator (TD-15-151 Series).....                             | 43   | Lighting, electrical (battery ignition).....       | 67     |
| Tank, radiator auxiliary (TD-15-150 Series).....                      | 38   | Meter, electrical hour (Hobbs).....                | 62     |
| Thermostat  |      | Motor, cranking.....                               | 56, 58 |
| Thermostat (165°—180°F.) (standard) (not high temperature range)..... | 45   | Plug, spark.....                                   | 53     |
| Thermostat (175°—190°F.) (high temperature range).....                | 45   | Regulator, voltage (Delco-Remy).....               | 55     |
| <b>DASH, ENGINE CONTROLS, INSTRUMENTS AND INSTRUMENT PANEL</b>        |      | Regulator, voltage (high output).....              | 55     |
| Controls, engine.....   | 80   | Starting, electrical (battery ignition).....       | 67     |
| Dash.....   | 80   | Switch   |        |
| Instruments.....  | 81   | Battery ignition lock.....                         | 52     |
| Panel, instrument.....  | 81   | Battery ignition push-pull.....                    | 52     |
| <b>DRAWBAR AND FRONT PULL HOOKS</b>                                   |      | Lighting.....                                      | 62     |
| Drawbar   |      | Starting.....                                      | 63     |
| Rigid.....  | 88   | <b>ENGINE</b>                                      |        |
| Swinging.....   | 87   | Camshaft.....                                      | 14     |
| Hook  |      | Cover, front.....                                  | 13     |
| Rigid.....  | 88   | Crankcase.....                                     | 12     |
| Swivel.....   | 88   | Crankshaft.....                                    | 15     |
|   |      | Damper, vibration.....                             | 15     |
|   |      | Exhaust System                                     |        |
|   |      | Manifold, intake.....                              | 19     |
|   |      | Muffler, exhaust.....                              | 17, 18 |
|   |      | Flywheel.....                                      | 15     |
|   |      | Guard, crankcase.....                              | 17     |
|   |      | Head, cylinder.....                                | 10     |

INDEX TO UNITS — Continued

| DESCRIPTION   | Page | DESCRIPTION   | Page |
|---|------|---|------|
| <b>ENGINE — Continued</b>                           |      | <b>HYDRAULIC SYSTEM</b>                             |      |
| Pistons.....  | 15   | Booster, hydraulic.....                             | 128  |
| Rods, connecting.....                               | 15   | Lines, hydraulic control.....                       | 129  |
| Sleeves, cylinder.....                              | 16   | Package, hydraulic booster seals field service..... | 129  |
| Starting Mechanism.....                             | 20   | Pump, hydraulic (Webster).....                      | 126  |
| Supports, engine                                    |      | Tanks, hydraulic reservoir.....                     | 130  |
| Front.....  | 13   | <b>LUBRICATING SYSTEM</b>                           |      |
| Rear.....   | 12   | Filter, oil   |      |
| Valves.....   | 10   | Lubricating (Full Flow).....                        | 48   |
| <b>FINAL DRIVE</b>                                  |      | Pan, crankcase oil.....                             | 47   |
| Drive, sprocket.....                                | 97   | Pump, lubricating oil.....                          | 47   |
| Pinion, sprocket.....                               | 97   | <b>MAIN FRAME</b>                                   |      |
| Shaft, sprocket drive.....                          | 97   | Channel, main frame side.....                       | 84   |
| Shaft, track frame pivot.....                       | 97   | Cover, main frame.....                              | 82   |
| Shield, sprocket drive housing.....                 | 99   | Frame, main.....                                    | 82   |
| Sprocket.....                                       | 97   | Spring, equalizer (56" and 74" gauge).....          | 85   |
| Sprocket, Cut-away.....                             | 98   | (62" gauge).....                                    | 86   |
| Tubes, Vent   |      | <b>SHEET METAL, FENDERS,<br/>PLATFORMS AND SEAT</b> |      |
| Sprocket drive.....                                 | 95   | Fenders.....  | 93   |
| Transmission.....                                   | 95   | Hood, Heavy (TD-15-150 Series).....                 | 91   |
| <b>FUEL SYSTEM</b>                                  |      | Hood, Heavy (TD-15-151 Series).....                 | 92   |
| Bracket, air cleaner.....                           | 19   | Platforms.....                                      | 93   |
| Carburetor.....                                     | 22   | Seat.....   | 93   |
| Cleaner, air (not dry type) (TD-15-150 Series)..... | 25   | Sheets  |      |
| Cleaner, air (dry type) (TD-15-151 Series).....     | 26   | Door, hood side.....                                | 90   |
| Combustion System                                   |      | Engine side.....                                    | 89   |
| Connections   |      | Hood.....   | 89   |
| Injection, fuel.....                                | 29   | Shield, heat.....                                   | 89   |
| Pump, fuel.....                                     | 30   | Supports, seat.....                                 | 93   |
| Chambers, pre-combustion.....                       | 24   | <b>STEERING SYSTEM</b>                              |      |
| Gear, injection pump.....                           | 30   | Brakes, steering.....                               | 70   |
| Nozzles, injection.....                             | 24   | Clutch, steering.....                               | 75   |
| Pipes, injection.....                               | 29   | Controls  |      |
| Pump, IH twin plunger fuel injection.....           | 24   | Brake, steering.....                                | 70   |
| Connections, air cleaner.....                       | 25   | Clutch, steering.....                               | 72   |
| Extension, air cleaner pipe (TD-15-150 Series)..... | 25   | Gear, drive, bevel.....                             | 76   |
| Filter, fuel.....                                   | 33   | Shaft, steering clutch release.....                 | 75   |
| Filter, watch dog fuel.....                         | 32   | <b>TRACK DRIVE</b>                                  |      |
| Piping, fuel tank.....                              | 31   | Brace, track frame diagonal.....                    | 100  |
| Pre-Cleaner (collector type) (Donaldson)            |      | Chain, track  |      |
| Plastic body (TD-15-150 Series).....                | 27   | (TD-15-150 Series).....                             | 105  |
| Primer, chevron pressure.....                       | 28   | (TD-15-151 Series).....                             | 106  |
| Strainer  |      |   |      |
| Fuel.....   | 31   |   |      |
| Gasoline.....                                       | 31   |   |      |
| Tank  |      |   |      |
| Fuel.....   | 31   |   |      |
| Gasoline.....                                       | 31   |   |      |
| Trap, water.....                                    | 33   |   |      |

INDEX TO UNITS — Continued

| DESCRIPTION   | Page | DESCRIPTION                              | Page             |
|---|------|--|------------------|
| <b>TRACK DRIVE — Continued</b>  |      | <b>Fan</b>                               |                  |
| Frame and Spring, track .....   | 101  | Blower .....                             | 45               |
| Frame, rigid extended track .....   | 112  | Suction .....                            | 45               |
| Guide, track frame .....  | 84   | Fan, outboard                            |                  |
| Idlers  |      | TD-15-150 Series .....                   | 140              |
| Front (large diameter) .....  | 104  | TD-15-151 Series .....                   | 141              |
| Front (not large diameter) .....  | 104  | Filter, watch dog fuel .....             | 32               |
| Track .....   | 105  | Gasket Sets, assorted                    |                  |
| Rollers, track .....  | 109  | Crankcase .....                          | 146              |
| Rollers and Shaft, track frame guide .....  | 84   | Cylinder head .....                      | 146              |
| Shield, track roller  |      | Guard, fan .....                         | 41               |
| (TD-15-150 Series) .....  | 107  | Guard, radiator                          |                  |
| (TD-15-151 Series) .....  | 108  | TD-15-150 Series .....                   | 40               |
| Shoes, track .....  | 114  | TD-15-151 Series .....                   | 40               |
| Spring, track .....   | 101  | Hood, heavy                              |                  |
| <b>TRANSMISSION</b>   |      | TD-15-150 Series .....                   | 91               |
| Cooler, oil .....   | 123  | TD-15-151 Series .....                   | 92               |
| Filter, oil .....   | 121  | Hook, front pull                         |                  |
| Power take-off .....  | 120  | Rigid .....                              | 88               |
| Pulley, belt .....  | 119  | Swivel .....                             | 88               |
| Shifter mechanism, gear .....   | 115  | Hourmeter .....                          | 62               |
| Transmission, full reverse .....  | 117  | Idler, large diameter front .....        | 104              |
| <b>TURBO-CHARGER</b>  |      | Lighter, cigarette .....                 | 63               |
| Piping, turbo-charger .....   | 49   | Lubricators                              |                  |
| Turbo-charger .....   | 50   | Gun (type) .....                         | 135              |
| <b>MISCELLANEOUS EQUIPMENT,<br/>ATTACHMENTS,<br/>PRODUCT GRAPHICS AND<br/>GASKET PACKAGES</b> |      | Tank (type) .....                        | 136, 138,<br>140 |
| Box, tool (21-in.) .....  | 131  | Member, driven (bi-metallic) .....       | 77               |
| Cap, exhaust rain .....   | 131  | Oil Cooler, transmission .....           | 123              |
| Chain, track (with shoes) .....   | 106  | Oil Filter, transmission .....           | 121              |
| Compensation, altitude  |      | Power Take-Off .....                     | 120              |
| TD-15-150 Series .....  | 142  | Pre-Cleaner .....                        | 27               |
| TD-15-151 Series .....  | 143  | Primer, Chevron pressure .....           | 28               |
| Cooling, increased  |      | Product Graphics .....                   | 145              |
| TD-15-150 Series .....  | 144  | Pulley, belt .....                       | 119              |
| TD-15-151 Series .....  | 145  | Shield, sprocket drive housing .....     | 99               |
| Decelerator .....   | 132  | Shield, track roller                     |                  |
| Door, hood side .....   | 90   | TD-15-150 Series .....                   | 107              |
|   |      | TD-15-151 Series .....                   | 108              |
|   |      | Shutter, radiator                        |                  |
|   |      | TD-15-150 Series .....                   | 40               |
|   |      | TD-15-151 Series .....                   | 40               |
|   |      | Switch, ignition lock .....              | 52               |
|   |      | Thermostat, high temperature range ..... | 45               |
|   |      | Tools                                    |                  |
|   |      | Tools (standard) .....                   | 135              |
|   |      | Tool set (17 tools and tool box) .....   | 135              |
|   |      | Tool set (43 tools and tool box) .....   | 133              |
|   |      | <b>EQUIPMENT COMBINATIONS</b>            |                  |
|   |      | Index to Equipment Combinations .....    | 147              |

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## BASIC SERVICE ENGINE

332 225 R91 ENGINE, Basic Service Diesel

(Consists of —

Cylinder Head, Valves, Valve Cover  
and Starting Valve Mechanism

Crankcase, Front Cover, Camshaft  
and Related Parts

Crankshaft and Related Parts, Con-  
necting Rods, Pistons and Sleeves

Crankcase Oil Pan and Lubricating  
Oil Pump)

## REPLACEMENT SERVICE ENGINE

305 275 R91 ENGINE, replacement (diesel engine com-  
plete from Water Pump to Flywheel  
inclusive)





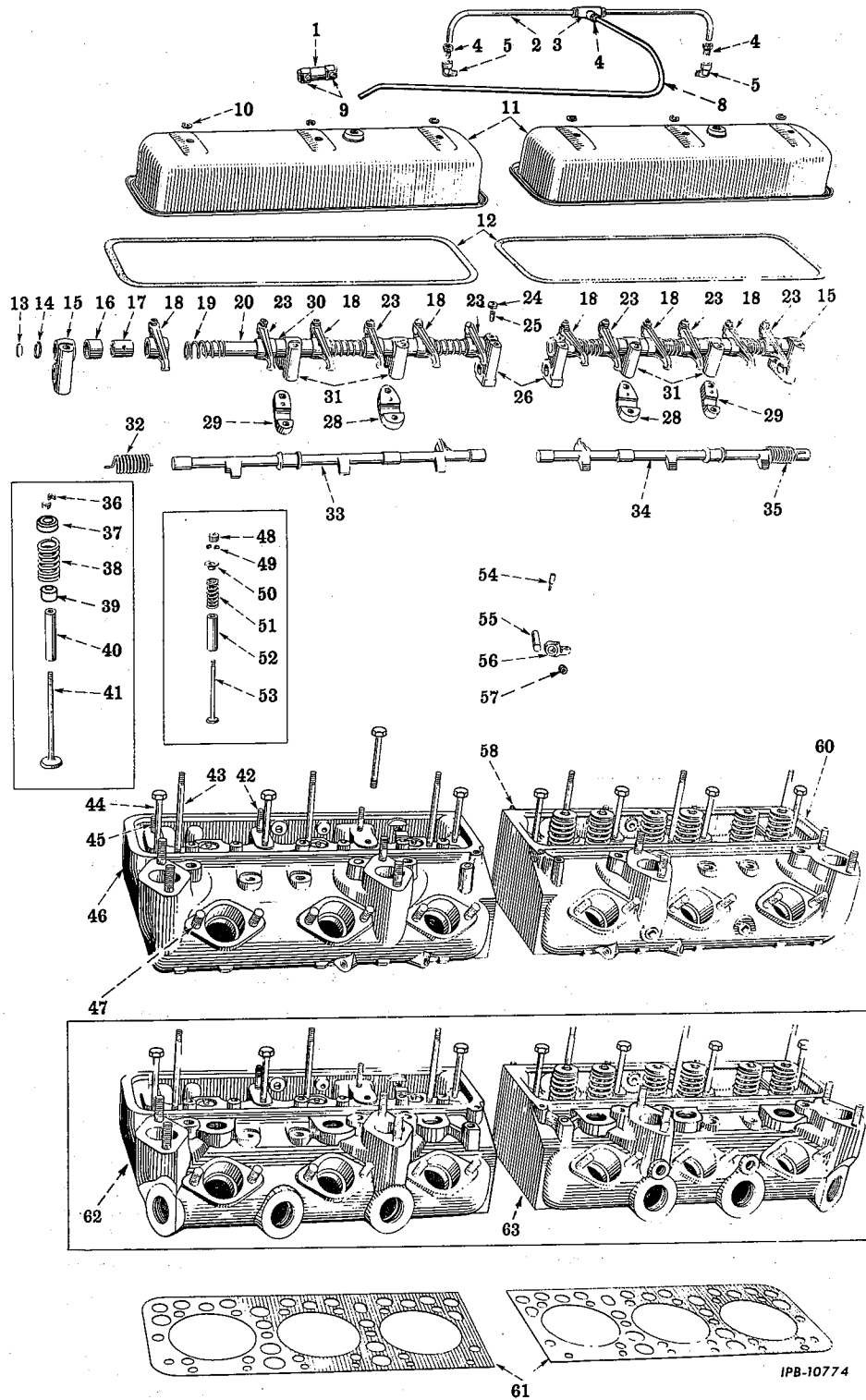
# DIESEL ENGINE

CYLINDER HEADS, VALVES, STARTING VALVES AND VALVE MECHANISM



# DIESEL ENGINE

CYLINDER HEADS, VALVES, STARTING VALVES AND VALVE MECHANISM - CONTINUED



IPB-10774

# DIESEL ENGINE

| REF. NO.  | I.H. PART NUMBER       | DESCRIPTION   |
|---|------------------------|---|
| CYLINDER HEADS, VALVES, STARTING VALVES AND VALVE MECHANISM - CONTINUED |                        |   |
| 1   | 251 226 R1             | HOSE, cylinder head breather tube (TD-150M-501 to 4000)   |
| 2   | 252 627 R1             | TUBE, cylinder head breather (2) (TD-150M-501 to 4000)  |
| 3   | 252 628 R1             | TEE, cylinder head breather tube (TD-150M-501 to 4000)  |
| 4   | 278 953 R91            | NUT, cylinder head breather restriction elbow and tee (5) (TD-150M-501 to 4000)                                   |
| 5   | 37 323 D               | ELBOW, cylinder head breather restriction (2) (TD-150M-501 to 4000)   |
| 8   | 304 206 R1             | TUBE, cylinder head breather (TD-150-501 to 4000)   |
| 9   | 251 227 R91            | CLAMP, cylinder head breather tube hose (will work for 274 085 R91) (2) (TD-150-501 to 4000)                      |
| 10  | 340 092 R1             | WASHER, valve cover nut (6)   |
| 11  | 252 611 R11<br>444 734 | COVER, valve (2)<br>PLUG, pipe (2)  |
| 12  | 252 621 R1             | GASKET, valve cover (2)   |
| 13  | 172 530                | PLUG, 11/16" expansion (4)  |
| 14  | 49 950 D               | RING, valve lever shaft retainer (2)  |
| 15  | 8 110 D                | BRACKET, valve lever end (2)<br>3/8"NF NUT (2)<br>3/8" lock WASHER (2)  |
| 16  | 252 598 R1             | SPACER, valve lever (long) (4)  |
| 17  | 46 225 DA              | BUSHING, LH intake and exhaust valve lever (6)  |
| 17  | 46 225 DA              | BUSHING, RH intake and exhaust valve lever (6)  |
| 18  | 46 223 DBX             | LEVER w/SCREW, 16 067 DA, NUT, 133 093 R1 and BUSHING, 46 225 DA, LH intake and exhaust valve (6)                 |
| 19  | 16 045 D               | SPRING, valve lever (6)   |
| 20  | 262 536 R11            | SHAFT w/RING, 49 950 D and two PLUG, 172 530, valve lever (2)   |
| 23  | 46 224 DBX             | LEVER w/SCREW, 16 067 DA, NUT, 133 093 R1 and BUSHING, 46 225 DA, RH intake and exhaust valve (6)                 |
| 24  | 133 093 R1             | NUT, valve lever adjusting screw (12)   |
| 25  | 16 067 DA              | SCREW, valve lever adjusting (12)   |
| 26  | 252 602 R1             | BRACKET, valve lever center<br>5/16" jam NUT (2)<br>3/8"NF NUT (2)<br>5/16 x 3/4" cup-pt. hdls. set screw (2)     |
| 28  | 252 604 R1             | BRACKET, inner intermediate valve lever (lower half) (2)  |
| 29  | 8 104 D                | BRACKET, outer intermediate valve lever (lower half) (2)  |
| 30  | 252 597 R1             | SPACER, valve lever (short) (6)   |
| 31  | 262 537 R1             | BRACKET, intermediate valve lever (upper half) (4)<br>3/8NF NUT (8)<br>3/8" lock WASHER (on short studs only) (4) |
| 32  | 250 582 R1             | SPRING, front starting valve shaft  |

# DIESEL ENGINE

| REF. NO.  | I.H. PART NUMBER | DESCRIPTION   |
|---|------------------|---|
| CYLINDER HEADS, VALVES, STARTING VALVES AND VALVE MECHANISM - CONTINUED |                  |   |
| 33  | 252 606 R21      | SHAFT, front starting valve   |
| 34  | 252 607 R21      | SHAFT, rear starting valve  |
| 35  | 250 583 R1       | SPRING, rear starting valve shaft   |
| 36  | 48 057 D         | KEY, exhaust and intake valve spring seat (24)  |
| 37  | 273 165 R93      | ROTATOR, positive valve (12)  |
| 38  | 61 808 D         | SPRING, exhaust and intake valve (12)   |
| 39  | 297 583 R1       | DEFLECTOR, valve oil (6)  |
| 40  | 6 608 DR         | GUIDE, exhaust and intake valve (12)  |
| 41  | 48 053 DE        | VALVE, intake (6)   |
| 41  | 252 593 R6       | VALVE, exhaust (6)  |
| 42  | 46 200 D         | STUD, intermediate valve lever bracket (4)  |
| 43  | 252 589 R1       | STUD, valve cover (6)   |
| 44  | 318 112 R1       | BOLT, 3/8 x 3-1/2" hex-hd. (8)  |
| 45  | 32 445 D         | STUD, valve lever bracket (short) (2)   |
| 46  | 252 571 R81      | HEAD w/STUD and GUIDE ASSEMBLY, front cylinder (not used with jet type cooling system) (TD-150M 501 to 4000, TD-151M 4001 to 4383)<br>(Composed of -<br>6 GUIDE 6 608 DR<br>3 GUIDE 8 744 DR<br>§1 HEAD<br>3 PLUG 143 997<br>3 PLUG 143 999<br>3 PLUG 264 057 R1<br>6 STUD 251 064 R1<br>8 STUD 250 450 R1<br>3 STUD 41 633 D<br>2 STUD 46 200 D<br>1 STUD 32 445 D<br>3 STUD 252 589 R1) |
| 47  | 251 064 R1       | STUD, injection nozzle (12)   |
| 48  | 250 535 R1       | COVER, starting valve spring (6)  |
| 49  | 46 209 D         | KEY, starting valve spring collar (12)  |
| 50  | 46 208 D         | SEAT, starting valve spring (6)   |
| 51  | 46 211 D         | SPRING, starting valve (6)  |
| 52  | 8 744 DR         | GUIDE, starting valve (6)   |
| 53  | 252 595 R1       | VALVE, starting (6)   |
| 54  | 42 739 DA        | PIN, starting valve operating lever (2)<br>1/4NF NUT (2)<br>1/4" lock WASHER (2)  |
| 55  | 252 609 R1       | SHAFT, starting valve operating (2)   |
| 56  | 260 943 R2       | LEVER, starting shaft operating (2)   |
| 57  | 264 530 R91      | OIL SEAL, starting valve operating shaft (optional with 271 597 R91)  |
| 57  | 271 597 R91      | OIL SEAL, starting valve operating shaft (optional 264 530 R91)   |
| 58  | 250 450 R1       | STUD, manifold (16)   |



## DIESEL ENGINE

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

## CYLINDER HEADS, VALVES, STARTING VALVES AND VALVE MECHANISM - CONTINUED

|             |  |   |
|-------------|--|---|
| 60          | 252 572 R81  | HEAD w/STUD and GUIDE ASSEMBLY, rear cylinder (not used with jet type cooling system) (TD-150M 501 to 4000, TD-151M 4001 to 4383)<br>(Composed of -<br>6 GUIDE 6 608 DR<br>3 GUIDE 8 744 DR<br>§1 HEAD<br>1 PLUG 116 566<br>3 PLUG 143 997<br>3 PLUG 143 999<br>3 PLUG 264 057 R1<br>6 STUD 251 064 R1<br>8 STUD 250 450 R1<br>3 STUD 41 633 D<br>2 STUD 46 200 D<br>1 STUD 32 445 D<br>3 STUD 252 589 R1 ) |
| 61          | 252 575 R1   | GASKET, cylinder head (2) (TD-150M 501 to 4000, TD-151M 4001 to 4383)   |
| 61          | 321 022 R1   | GASKET, cylinder head (2) (TD-151M 4384 up)   |
| 62          | 318 141 R11  | HEAD w/STUD and GUIDE ASSEMBLY, front cylinder (used with jet type cooling system) (TD-151M 4384 up)<br>(Composed of -<br>6 GUIDE 6 608 DR<br>3 GUIDE 8 744 DR<br>§1 HEAD<br>4 PLUG 444 677<br>3 PLUG 264 057 R1<br>3 PLUG 271 848 R1<br>1 STUD 32 445 D<br>3 STUD 41 633 D<br>2 STUD 46 200 D<br>8 STUD 250 450 R1<br>6 STUD 251 064 R1<br>3 STUD 252 589 R1<br>§6 TUBE )                                  |
| 63          | 318 142 R11  | HEAD w/STUD, and GUIDE ASSEMBLY, rear cylinder (used with jet type cooling system) (TD-151M 4384 up)<br>(Composed of -<br>6 GUIDE 6 608 DR<br>3 GUIDE 8 744 DR<br>§1 HEAD<br>4 PLUG 444 677<br>3 PLUG 264 057 R1<br>3 PLUG 271 848 R1<br>1 STUD 32 445 D<br>3 STUD 41 633 D<br>2 STUD 46 200 D<br>8 STUD 250 450 R1<br>6 STUD 251 064 R1<br>3 STUD 252 589 R1<br>§6 TUBE )                                  |
| 261 342 R91 | GASKET SET, cylinder head (not used with jet type cooling system)<br>(Composed of -<br>2 GASKET 251 727 R2<br>2 GASKET 251 729 R2<br>2 GASKET 252 575 R1<br>4 GASKET 252 612 R2<br>2 GASKET 252 616 R2<br>1 GASKET 252 617 R2<br>2 GASKET 252 621 R1<br>2 SEAL 254 753 R1<br>6 WASHER 62 866 D ) |   |



## DIESEL ENGINE

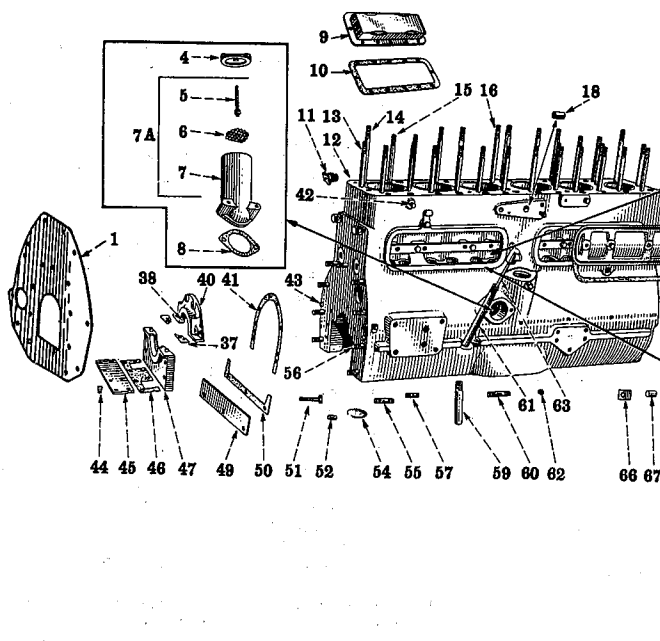
| REF. NO. | I. H. PART NUMBER | DESCRIPTION |
|----------|-------------------|-------------|
|----------|-------------------|-------------|

## CYLINDER HEADS, VALVES, STARTING VALVES AND VALVE MECHANISM - CONTINUED

|             |   |                              |
|-------------|---|------------------------------|
| 332 659 R91 | GASKET SET, cylinder head (used with jet type cooling system)<br>(Composed of -<br>2 GASKET 250 550 R1<br>2 GASKET 251 727 R2<br>2 GASKET 251 729 R2<br>4 GASKET 252 612 R2<br>2 GASKET 252 616 R2<br>1 GASKET 252 617 R2<br>2 GASKET 252 621 R1<br>1 GASKET 276 463 R1<br>2 GASKET 321 022 R1<br>2 SEAL 254 753 R1<br>6 WASHER 340 092 R1 )  |                              |
| 61 316 DA   | NUT, cylinder head stud (30)  |                              |
| 322 048 R91 | PACKAGE, jet head cooling field service improvement (TD-150M 501 to 4000, TD-151M 4001 to 4383)<br>(Composed of -<br>2 GASKET 321 022 R1<br>1 HEAD 318 141 R11<br>1 HEAD 318 142 R11<br>1 PACKAGE 349 012 R91<br>1 PAMPHLET, installation 1 014 916 R1<br>1 PUMP 318 230 R91 )  |                              |
| 349 012 R91 | PACKAGE, miscellaneous parts for jet head cooling field service improvement (part of PACKAGE, 322 048 R91, also required for basic service engine when ordered for units below serial number TD-151M 4383)<br>(Composed of -<br>2 CLAMP 274 089 R91<br>1 GASKET 251 717 R2<br>1 HOSE 48 918 DA<br>1 PIPE 320 341 R1<br>2 PLUG 444 794<br>14 PLUG 444 776<br>2 SCREW, 3/8 x 1-7/8" hex-hd cap<br>1 SCREW, 1/2 x 1-3/8" hex-hd cap<br>2 SCREW, 1/2 x 2" hex-hd cap<br>1 SCREW, 1/2 x 2-1/4" hex-hd cap<br>1 STUD 259 184 R1<br>2 WASHER, 3/8" lock<br>4 WASHER, 1/2" lock ) |                              |
| 103 874     | PLUG, 1/2" csk-hdls pipe (heat indicator opening)   |                              |
| 103 875     | PLUG, 3/4" csk-hdls pipe (6)  |                              |
| 116 566     | PLUG, 1/2" csk-hdls pipe (cab heater opening)   |                              |
| 143 997     | PLUG, 1/4" csk-hdls pipe (6) (TD-150M 501 to 4000, TD-151M 4001 to 4383)  |                              |
| 143 999     | PLUG, 3/4" csk-hdls pipe (6) (TD-150M 501 to 4000, TD-151M 4001 to 4383)  |                              |
| 444 677     | PLUG, 1-11-1/2" NPT auto sq-soc pipe (8) (TD-151M 4384 up)  |                              |
| 264 057 R1  | PLUG w/DRY SEAL, 1-1/4" csk-hdls pipe (6)   |                              |
| 271 848 R1  | PLUG, 3/4" sq-soc-hd pipe (6) (TD-151M 4384 up)   |                              |
| 258 424 R1  | SPACER, cylinder head stud (2)  |                              |
| 41 633 D    | STUD, engine water outlet (6)   |                              |
|             |   | § - Not Furnished Separately |

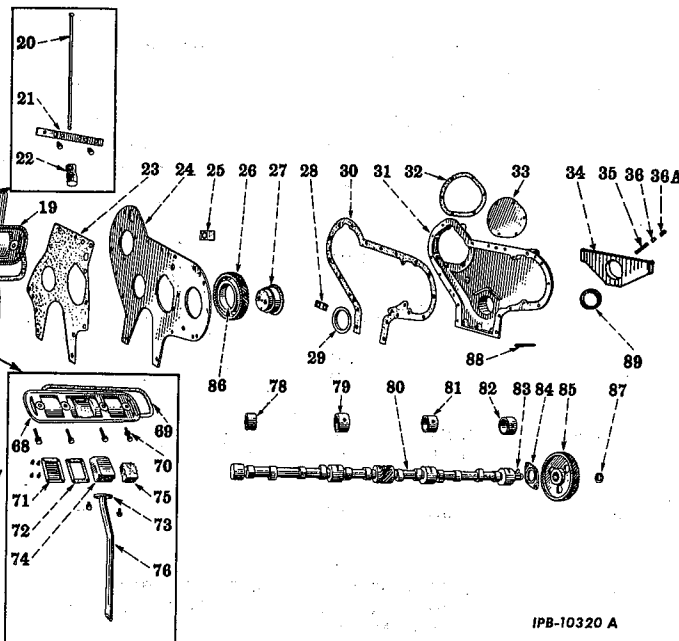
DIESEL ENGINE

CRANKCASE, FRONT COVER, FRONT ENGINE SUPPORT, CAMSHAFT AND RELATED PARTS



DIESEL ENGINE

CRANKCASE, FRONT COVER, FRONT ENGINE SUPPORT, CAMSHAFT AND RELATED PARTS - CONTINUED



IPB-10320 A

| REF. NO. | I.H. PART NUMBER | DESCRIPTION  |
|----------|------------------|--|
| 1        | 304 074 R1       | SUPPORT, rear engine<br>5/8" NUT (9)<br>5/8" lock WASHER (9)   |
| 4        | 4 819 D          | CAP, oil filler  |
| 5        | 28 940 DA        | STUD, oil filler<br>3/8" NUT   |
| 6        | 50 411 D         | SCREEN, oil filler   |
| 7        | 250 885 R1       | BODY, oil filler   |
| 7A       | 250 885 R11      | BODY w/SCREEN, 50 411 D, and<br>STUD, 28 940 DA, oil filler  |
| 8        | 250 886 R2       | GASKET, oil filler body  |
| 9        | 276 422 R11      | HEADER, water (front)<br>5/16 x 7/8" hex-hd. cap SCREW (11)<br>5/16" NUT<br>5/16" lock WASHER (12)   |
| 9        | 276 426 R1       | HEADER, water (rear)<br>5/16 x 7/8" hex-hd. cap SCREW (12)<br>5/16" lock WASHER (12)   |
| 10       | 252 029 R3       | GASKET, water header (2)   |
| 11       | 31 729 D         | COCK, crankcase water jacket drain   |
| 12       | 267 637 R41      | CRANKCASE ASSEMBLY (less SLEEVES and<br>PISTONS) (TD-150M 501 to 4000, TD-151M<br>4001 to 4383)<br>(Composed of -<br>1 BEARING 252 005 R1<br>1 BEARING 252 007 R1<br>1 BEARING 252 009 R1<br>1 BEARING 252 011 R1<br>2 BUSHING 50 827 DA<br>5 CAP 308 004 R1 |

| REF. NO. | I.H. PART NUMBER | DESCRIPTION  |
|----------|------------------|--|
| 12       | 267 637 R41      | CRANKCASE ASSEMBLY (less SLEEVES and<br>PISTONS) (TD-150M 501 to 4000, TD-151M<br>4001 to 4383) - Continued<br>(Composed of - continued<br>1 CAP 308 005 R1<br>1 CAP 308 006 R1<br>1 CORK 104 942<br>§1 CRANKCASE<br>2 DOWEL 52 605 D<br>2 DOWEL 25 086 DA<br>1 DRAWING, crank-<br>case rework IZG 5608<br>1 PIN 50 826 D<br>1 PLUG 103 865<br>1 PLUG 172 580<br>7 PLUG 50 410 DA<br>5 PLUG 261 317 R2<br>1 PLUG 268 403 R1<br>1 PLUG 268 443 R1<br>4 PLUG 332 139 R1<br>16 SCREW 276 963 R1<br>1 SLEEVE 250 887 R1<br>1 STUD 37 788 DM<br>18 STUD 47 981 DA<br>9 STUD 49 952 D<br>6 STUD 52 790 D<br>1 STUD 53 643 D<br>4 STUD 252 012 R1<br>2 STUD 254 267 R1<br>1 STUD 264 377 R1<br>1 STUD 272 799 R1<br>16 WASHER 252 018 R1 )<br>104 942 CORK, No. 6 (3/4" dia x 15/16" long)<br>103 865 PLUG, 1/8" sq-hd pipe (CI)<br>172 580 PLUG, 1-7/8" expansion<br>261 317 R2 PLUG, 2-1/8" expansion (5)<br>332 139 R1 PLUG, cork hole (4)<br>SCREW, 5/16 x 5/8" hex-hd cap<br>WASHER, 5/16" internal tooth lock |

§ - Not Furnished Separately.

## DIESEL ENGINE

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

## CRANKCASE FRONT COVER, FRONT ENGINE SUPPORT, CAMSHAFT AND RELATED PARTS - CONTINUED

|    |             |   |
|----|-------------|---|
| 12 | 318 173 R11 | CRANKCASE ASSEMBLY (less SLEEVES and PISTONS) (TD-151M 4384 up)<br>(Composed of -<br>1 BEARING 252 005 R1<br>1 BEARING 252 007 R1<br>1 BEARING 252 009 R1<br>1 BEARING 252 011 R1<br>2 BUSHING 50 827 DA<br>5 CAP 308 004 R1<br>1 CAP 308 005 R1<br>1 CAP 308 006 R1<br>2 CORK 104 942<br>§1 CRANKCASE<br>2 DOWEL 52 605 D<br>2 DOWEL 25 086 DA<br>1 DRAWING, crankcase rework IZG-5608<br>1 PIN 50 826 D<br>1 PLUG 103 865<br>7 PLUG 50 410 DA<br>1 PLUG 261 317 R2<br>1 PLUG 268 403 R1<br>1 PLUG 268 443 R1<br>4 PLUG 332 139 R1<br>16 SCREW 276 963 R1<br>1 SLEEVE 250 887 R1<br>18 STUD 47 981 DA<br>8 STUD 49 952 D<br>6 STUD 52 790 D<br>1 STUD 53 643 D<br>4 STUD 252 012 R1<br>2 STUD 254 267 R1<br>1 STUD 259 184 R1<br>1 STUD 264 377 R1<br>1 STUD 272 799 R1<br>16 WASHER 252 018 R1 )<br>CORK, No. 6 (3/4" dia x 15/16" long) (2)<br>PLUG, 1/8" sq-hd pipe (CI)<br>PLUG, 2-1/8" expansion<br>PLUG, cork hole (4) |
|    | 104 942     |   |
|    | 103 865     |   |
|    | 261 317 R2  |   |
|    | 332 139 R1  |   |
| 13 | 47 981 DA   | STUD, cylinder head (short) (18)  |
| 14 | 52 790 D    | STUD, cylinder head (long) (6)  |
| 15 | 252 012 R1  | STUD, cylinder head (intermediate) (4)  |
| 16 | 254 267 R1  | STUD, cylinder head (long) (2)  |
| 18 | 50 827 DA   | BUSHING, cross shaft (2)  |
| 19 | 252 021 R1  | PLATE, push rod chamber side (front)<br>3/8 x 1-3/4" hex-hd. cap SCREW (4)  |
| 20 | 47 933 DXA  | ROD, push valve (optional with 261 120 R91) (12)  |
| 20 | 261 120 R91 | ROD, push valve (optional with 47 933 DXA) (12)   |
| 21 | 252 020 R2  | STOP, valve tappet (2) (TD 150 M 501 to 4000, TD-151 M 4001 to 4383)<br>3/8 x 5/8" hex-hd. cap screw (4)<br>3/8" lock WASHER (4)  |
| 22 | 50 951 D    | TAPPET, valve (12)  |
| 23 | 252 039 R2  | GASKET, crankcase front plate (TD-150M 501 to 2962)   |
| 23 | 312 705 R1  | GASKET, crankcase front plate (TD-150M 2963 to 4000) (TD-151M-4001 Up)  |
| 24 | 304 086 R11 | PLATE w/LOCK, 46 250 D and NUT, 264 723 R1, crankcase front (TD-150M 501 to 2962)   |
| 24 | 312 703 R11 | PLATE w/LOCK, 46 250 D and NUT, 264 723 R1, crankcase front (TD-150M-2963 to 4000) (TD-151M-4001 Up)<br>3/8 x 1" hex-hd. cap SCREW (3)  |

§ - Not Furnished Separately


## DIESEL ENGINE

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

## CRANKCASE, FRONT COVER, FRONT ENGINE SUPPORT, CAMSHAFT AND RELATED PARTS - CONTINUED

|     |             |   |
|-----|-------------|---|
| 25  | 46 250 D    | LOCK, crankcase front plate cap screw<br>3/16 x 3/8" rd-hd. RIVET   |
| 26  | 252 037 R92 | GEAR w/BUSHING, 258 577 R1, idler (TD-150M 501 to 2962)   |
| 26  | 312 707 R11 | GEAR w/BUSHING, 312 823 R1, idler (TD-150M-2963 to 4000) (TD-151M-4001 Up)  |
| 27  | 250 900 R1  | SHAFT, idler gear (TD-150M-501 to 2962)<br>1/2 x 2-3/4" hex-hd. cap SCREW (2)   |
| 27  | 312 706 R1  | SHAFT, idler gear (TD-150M-2962 to 4000) (TD-151M-4001 Up)<br>1/2 x 3" hex-hd. cap SCREW (2)  |
| 28  | 250 901 R1  | LOCK, idler gear shaft bolt   |
| 29  | 46 129 D    | DEFLECTOR, crankshaft front oil seal  |
| 30  | 252 041 R2  | GASKET, crankcase front cover   |
| 31  | 304 087 R11 | COVER w/DEFLECTOR, 46 129 D and POINTER, 304 088 R1, crankcase front<br>1/2 x 1" hex-hd. cap SCREW (2)<br>3/8 x 1" hex-hd. cap SCREW (7)<br>3/8 x 1-3/8" hex-hd. cap SCREW (9)<br>3/8" lock WASHER (16)<br>1/2" lock WASHER |
| 32  | 48 143 DC   | GASKET, fuel pump gear cover  |
| 33  | 48 142 D    | COVER, fuel pump gear<br>5/16 x 1/2" hex-hd. cap SCREW (6)<br>5/16" lock WASHER (6)<br>11/32 x 11/16 x No. 16 ga. flat WASHER (6)   |
| 34  | 274 442 R11 | SUPPORT w/COUPLING, 187 394, FITTING, 109 461 and NIPPLE, 118 938, front engine<br>5/8 x 2-3/4" hex-hd. cap SCREW (2)<br>5/8" lock WASHER (2)   |
| 35  | 118 938     | NIPPLE, 1/8 x 4" pipe   |
| 36  | 187 394     | COUPLING, 1/8" pipe (stl.) (optional with 144 074)  |
| 36  | 144 074     | COUPLING, 1/8" pipe (brass) (optional with 187 394)   |
| 36A | 109 461     | FITTING, front engine support lubrication (Lincoln No. 5000) (optional with 138 322 H)  |
| 36A | 138 322 H   | FITTING, front engine support lubrication (Alemite No. 1610 BL) (optional with 109 461)   |
| 37  | 271 702 R1  | GASKET, crankshaft rear oil seal retainer (center) (between halves) (2)   |
| 38  | 271 703 R92 | SEAL, crankshaft rear oil (2)   |
| 40  | 271 700 R1  | RETAINER, crankshaft rear upper oil seal<br>3/8 x 3-3/4" hex-hd. cap SCREW (2)<br>3/8 x 1-1/2" hex-hd. cap SCREW (6)<br>3/8" lock WASHER (4)  |
| 41  | 252 032 R3  | GASKET, crankshaft rear oil seal retainer   |
| 42  | 50 826 D    | PIN, cross shaft return spring  |
| 43  | 25 086 DA   | DOWEL, rear engine support (2)  |
| 44  | 268 770 R2  | PLUG, crankcase oil seal retainer plate felt (2)  |
| 45  | 252 033 R1  | PLATE, crankcase oil seal retainer<br>3/8 x 1" hex-hd. cap SCREW (4)<br>3/8" lock WASHER (4)  |
| 46  | 252 034 R1  | GASKET, crankcase oil seal retainer plate   |

§Not Furnished Separately  
X - As Required.


**DIESEL ENGINE**

| REF. NO.   | I.H. PART NUMBER | DESCRIPTION  |
|--|------------------|--|
| CRANKCASE, FRONT COVER, FRONT ENGINE SUPPORT, CAMSHAFT AND RELATED PARTS - CONTINUED |                  |  |
| 47   | 271 701 R1       | RETAINER, crankshaft rear lower oil seal<br>3/8 x 1-1/2" hex-hd. cap SCREW (4)<br>3/8" lock WASHER (4)   |
| 49   | 46 136 D         | SEAL, crankcase rear dust<br>3/8NF x 3/4" hex-hd cap SCREW (3)<br>3/8" lock WASHER (3)   |
| 50   | 46 137 D         | GASKET, crankcase rear dust seal   |
| 51   | 276 963 R1       | SCREW, crankshaft bearing cap (16)   |
| 52   | 252 018 R1       | WASHER, crankshaft bearing cap stud nut (16)   |
| 54   | 172 593          | PLUG (2-1/8") crankcase rear camshaft bearing expansion  |
| 55   | 53 643 D         | STUD, cross shaft latch bracket  |
| 56   | 49 952 D         | STUD, rear engine support (9 for CRANKCASE, 267 637 R41, 8 for CRANKCASE, 318 173 R11)   |
| 56   | 264 377 R1       | STUD, rear engine support (for CRANKCASE, 318 173 R11)   |
| 57   | 272 799 R1       | STUD, crankcase water manifold   |
| 59   | 252 655 R1       | PIPE, oil level gauge  |
| 60   | 37 788 DM        | STUD, water pump (TD-150M 501 to 4000, TD-151M 4001 to 4383)   |
| 60   | 259 184 R1       | STUD, water pump (TD-151M 4384 up)   |
| 61   | 250 887 R1       | SLEEVE, oil level gauge  |
| 62   | 50 410 DA        | PLUG, crankcase oil header pipe (6)  |
| 63   | 304 084 R11      | GAUGE w/WING NUT oil level   |
| 66   | 354 489 R1       | LOCK, crankcase front plate cap screw (3)  |
| 67   | 52 605 D         | DOWEL, crankcase front cover (2)   |
| 68   | 252 023 R1       | PLATE, push rod chamber side (rear)<br>3/8 x 1-3/4" hex-hd. cap SCREW (4)  |
| 69   | 252 022 R2       | GASKET, push rod chamber side plate (2)  |
| 70   | 340 092 R1       | WASHER, push rod chamber side plate cap SCREW (8)  |
| 71   | 59 480 DA        | BAFFLE, breather TD-150M 501 to 4000, TD-151M 4001 to 4553 (order 1 BAFFLE, 312 892 R1 and 1 ELEMENT, 312 893 R1)  |
| 71   | 312 892 R1       | BAFFLE, breather TD-151M 4554 up   |
| 72   | 59 481 DB        | GASKET, breather body (2)  |
| 73   | 59 484 D         | FLANGE, breather pipe<br>5/16 x 7/8" hex-hd. tapping SCREW<br>(2 required when 9 258 DCX is used) (2)<br>5/16 x 1" hex-hd. tapping SCREW<br>(2 required when 265 926 R91 is used) (2)<br>5/16" lock WASHER (2) |
| 74   | 265 926 R91      | BODY, breather (die cast) (optional with 9 258 DCX)<br>No. 10 x 5/8" hex-hd. self-tapping SCREW (4)<br>5/16 x 1" hex-hd. self-tapping SCREW (2)  |
| 74   | 9 258 DCX        | BODY, breather (gray iron) (optional with 265 926 R91)<br>No. 10 x 1/2" rd-hd. mach. SCREW (4)<br>5/16 x 7/8" hex-hd. cap SCREW (2)<br>5/16" lock WASHER (2)<br>No. 10 lock WASHER (4)                         |
| 75   | 59 482 D         | ELEMENT, breather TD-150M 501 to 4000, TD-151M 4001 to 4553 (order 1 BAFFLE, 312 892 R1 and 1 ELEMENT, 312 893 R1)   |
| 75   | 312 893 R1       | ELEMENT, breather TD-151M 4554 up  |

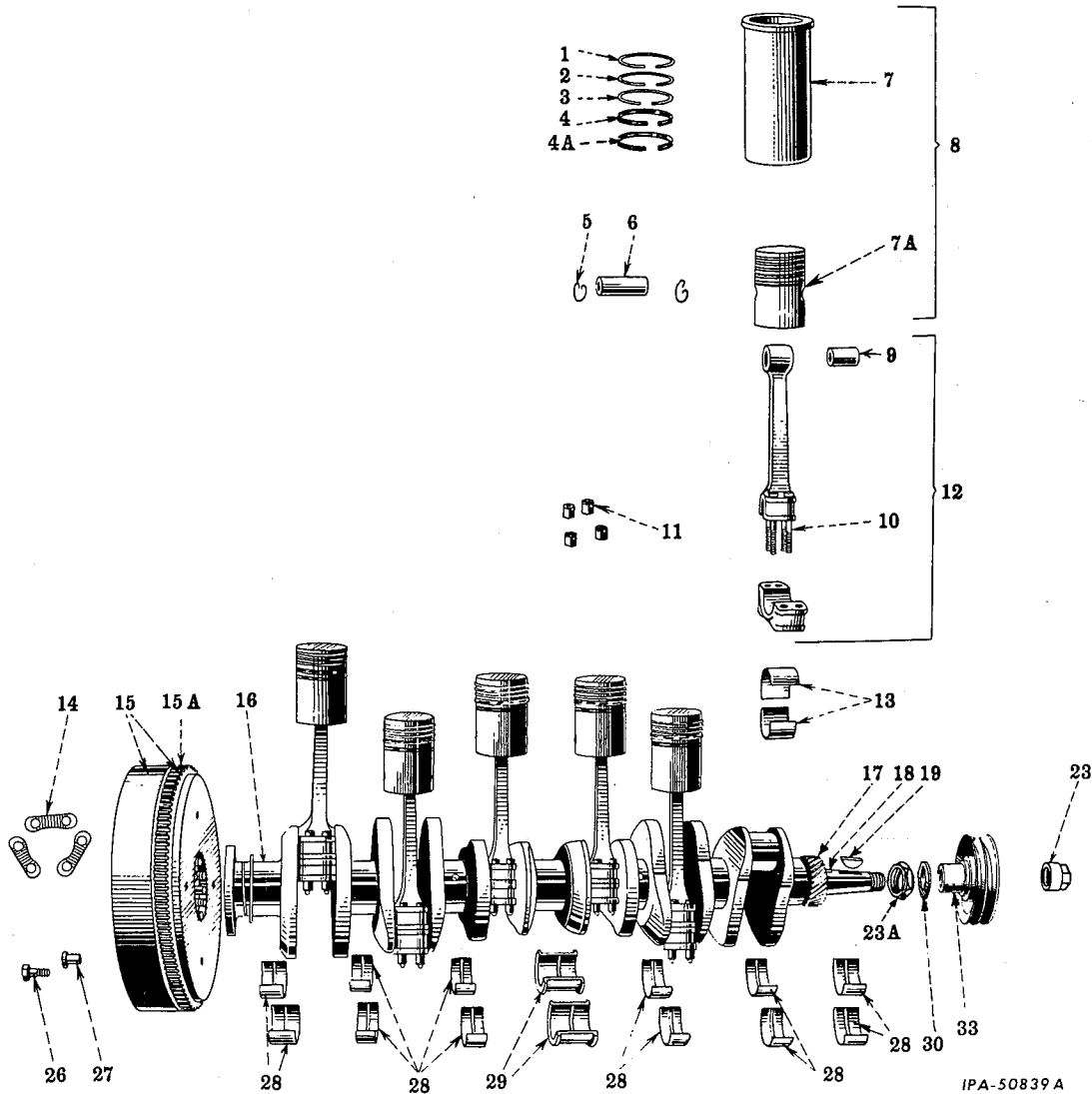

**DIESEL ENGINE**

| REF. NO.   | I.H. PART NUMBER | DESCRIPTION   |
|--|------------------|---|
| CRANKCASE, FRONT COVER, FRONT ENGINE SUPPORT, CAMSHAFT AND RELATED PARTS - CONTINUED |                  |   |
| 76   | 252 024 R21      | PIPE, breather  |
| 78   | 252 011 R2       | BEARING, rear camshaft  |
| 79   | 252 009 R1       | BEARING, No. 3 camshaft   |
| 80   | 251 669 R3       | CAMSHAFT  |
| 81   | 252 007 R1       | BEARING, No. 2 camshaft   |
| 82   | 252 005 R1       | BEARING, front camshaft   |
| 83   | 124 557          | KEY, 5/16 x 1-1/8" camshaft gear (Woodruff)   |
| 84   | 250 683 R1       | PLATE, camshaft thrust<br>3/8 x 1" hex-hd. cap SCREW (2)<br>3/8" lock WASHER (2)  |
| 85   | 259 433 R2       | GEAR, camshaft (54 T)   |
| 86   | 258 557 R1       | BUSHING, idler gear (TD-150M-501 to 2962)   |
| 86   | 312 823 R1       | BUSHING, idler gear (TD-150M-2963 to 4000) (TD-151M-4001 Up)  |
| 87   | 255 630 R1       | NUT, camshaft gear  |
| 88   | 304 088 R1       | POINTER, timing   |
| 89   | 264 534 R91      | OIL SEAL, crankshaft front (optional with 258 511 R91)  |
| 89   | 258 511 R91      | OIL SEAL, crankshaft front (optional with 264 534 R91)  |
|  | 62 863 D         | BOLT, rear engine support dowel (2)<br>5/8" NUT (2)   |
|  | 308 004 R1       | CAP, crankshaft front and intermediate bearing (Nodular iron) (will work for 256 851 R3) (5)                              |
|  | 308 005 R1       | CAP, crankshaft rear bearing (Nodular iron) (will work for 256 849 R3)  |
|  | 308 006 R1       | CAP, crankshaft center bearing (Nodular iron) (will work for 256 850 R4)  |
|  | 362 120 R1       | CLIP (2) (mount (1) on rear lower bolt of rear water header cover and (1) on rear lower bolt of front water header cover) |
|  | 264 723 R1       | NUT, spline   |
|  | 172 593          | PLUG, 2-1/8" expansion  |
|  | 268 403 R1       | PLUG, front oil gallery pipe  |
|  | 268 443 R1       | PLUG, rear oil gallery pipe   |
|  | 50 410 DA        | PLUG, crankcase pipe  |
|  | 45 976 D         | SHIM, front engine support (heavy) (x)  |
|  | 45 977 D         | SHIM, front engine support (light) (x)  |
|  |                  | WIRE, 16 ga. crankshaft front, intermediate and rear bearing cap locking (order 278 027 R1)                               |
|  | 278 027 R1       | WIRE, bulk locking (16 ga.) (customer must specify length required) (X)   |
|  |                  | X - As Required   |



## DIESEL ENGINE

CRANKSHAFT AND RELATED PARTS CONNECTING  
RODS, PISTONS, SLEEVES AND FLYWHEEL



IPA-50839A



## DIESEL ENGINE

CRANKSHAFT AND RELATED PARTS, CONNECTING  
RODS, PISTONS, SLEEVES AND FLYWHEEL - CONTINUED

| REF. NO. | I.H. PART NUMBER | DESCRIPTION  |
|----------|------------------|--|
| 1        | 305 120 R1       | RING, .0935 thick tapered piston compression, (first groove) (Perfect Circle No. 29A319) (6)           |
| 2        | 305 119 R1       | RING, .1240 thick piston compression, (second groove) (Perfect Circle No. 29A292) (6)                  |
| 3        | 305 119 R1       | RING, .1240 thick piston compression, (third groove) (Perfect Circle No. 29A292) (6)                   |
| 4        | 319 885 R1       | RING, .2490 thick piston upper oil retainer, (Perfect Circle No. 77396) (will work for 305 117 R1) (6) |
| 4A       | 305 118 R1       | RING, .2490 thick piston lower oil retainer, (Perfect Circle No. 72B496) (6)                           |

| REF. NO. | I.H. PART NUMBER | DESCRIPTION  |
|----------|------------------|--|
| 5        | 31 194 H         | RING, piston pin retainer (12)                                     |
| 6        | 264 045 R1       | PIN, piston (standard) (6)   |
| 6        | 264 046 R1       | PIN, piston (.005 oversize) (6)                                    |
| 7        | 304 999 R1       | SLEEVE, cylinder ("SS" marking) (standard) (6)                     |
| 7        | 320 274 R1       | SLEEVE, cylinder (.0025 oversize) (6)                              |
| 7        | 323 981 R1       | SLEEVE, cylinder (.010 oversize) (6)                               |
| 7A       | 304 919 R1       | PISTON ("SS" marking) (6)  |
| 8        | 304 924 R91      | SLEEVE SET (Consists of six SLEEVE w/PISTON and RING, 304 923 R91) |
| 8        | 304 923 R92      | SLEEVE w/PISTON and RING ASSEMBLY, cylinder (6)                    |
| 9        | 47 640 DR        | BUSHING, connecting rod (6)  |

### DIESEL ENGINE

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

#### CRANKSHAFT AND RELATED PARTS,CONNECTING RODS, PISTONS, SLEEVES AND FLYWHEEL — CONTINUED

|     |             |   |
|-----|-------------|---|
| 10  | 251 683 R3  | BOLT, connecting rod (used with NUT, 1 832 YA) (24) (TD-150M 501 to 4000) (TD-151M 4001 to 4005)  |
| 10  | 319 916 R11 | BOLT w/NUT, 19 763 R1, connecting rod (24) (TD-151M 4006 up)  |
| 11  | 1 832 YA    | NUT, connecting rod bolt (used with BOLT, 251 683 R3) (24) (TD-150M 501 to 4000) (TD-151M 4001 to 4005)   |
| 11  | 19 763 R1   | NUT, connecting rod bolt (part of BOLT ASSEMBLY, 319 916 R11) (24) (TD-151M 4006 up)  |
| 12  | 251 674 R12 | ROD and CAP ASSEMBLY, connecting (6)  |
| 13  | 251 684 R31 | BEARING, connecting rod (2 halves) (standard) (6)   |
| 13  | 263 138 R21 | BEARING, connecting rod (2 halves) (.002 undersize) (6)   |
| 13  | 251 685 R31 | BEARING, connecting rod (2 halves) (.030 undersize) (6)   |
| 13  | 332 298 R11 | BEARING, connecting rod (2 halves) (.010 undersize) (6)   |
| 13  | 332 299 R11 | BEARING, connecting rod (2 halves) (.020 undersize) (6)   |
| 14  | 24 943 DA   | LOCK, flywheel bolt (3)   |
| 15  | 303 535 R11 | FLYWHEEL w/ring GEAR, 50 315 DB   |
| 15A | 50 315 DB   | GEAR, flywheel ring (146T)  |
| 16  | 318 409 R91 | CRANKSHAFT ASSEMBLY (standard)<br>(Composed of -<br>6 BEARING 251 684 R31<br>6 BEARING 256 109 R94<br>1 BEARING 258 898 R91<br>§1 CRANKSHAFT<br>2 PIN 250 754 R1) |
| 16  |             | CRANKSHAFT (renewal) (order PACKAGE, 260 080 R94)   |
| 17  | 260 071 R2  | GEAR, crankshaft (27T)  |
| 18  | 117 977     | KEY, 5/16 x 1" crankshaft   |
| 19  | 277 057 R1  | KEY, fan drive pulley   |
| 23  | 263 191 R2  | NUT, crankshaft   |
| 23A | 307 966 R1  | NUT, crankshaft gear (will work for 263 129 R1)   |
| 26  | 304 072 R1  | BOLT, flywheel (6)  |
| 27  | 250 754 R1  | PIN, flywheel dowel (2)   |
| 28  | 256 109 R94 | BEARING, front, rear, and intermediate crankshaft (2 halves) (standard) (6)   |
| 28  | 263 137 R91 | BEARING, front, rear, and intermediate crankshaft (2 halves) (.002" undersize) (6)  |
| 28  | 332 341 R91 | BEARING, front, rear and intermediate crankshaft (2 halves) (.010" undersize) (6)   |
| 28  | 332 346 R91 | BEARING, front, rear and intermediate crankshaft (2 halves) (.020" undersize) (6)   |
| 28  | 256 112 R94 | BEARING, front rear, and intermediate crankshaft (2 halves) (.030" undersize) (6)   |
| 29  | 258 901 R41 | BEARING, center crankshaft (2 halves) (.030" undersize)   |
| 29  | 258 898 R41 | BEARING, center crankshaft (2 halves) (standard)  |

### DIESEL ENGINE

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

#### CRANKSHAFT AND RELATED PARTS,CONNECTING RODS, PISTONS, SLEEVES AND FLYWHEEL — CONTINUED

|    |             |   |
|----|-------------|---|
| 29 | 263 134 R21 | BEARING, center crankshaft (2 halves) (.030" undersize)   |
| 29 | 332 343 R91 | BEARING, center crankshaft (2 halves) (.010" undersize)   |
| 29 | 332 348 R91 | BEARING, center crankshaft (2 halves) (.020 undersize)  |
| 30 | 260 072 R1  | FLINGER, oil crankshaft   |
| 33 | 303 245 R91 | DAMPER, w/FAN DRIVE PULLEY, vibration (TD-150M 501 to 3193)   |
| 33 | 317 717 R91 | DAMPER w/FAN DRIVE PULLEY, vibration (TD-150M 3194 up)  |
|    | 104 092     | CORK, flywheel (No. 6 standard #2 grade) (9/16 x 3/4" x 15/16") (X)   |
|    | 260 080 R94 | PACKAGE, crankshaft undersize (renewal) field service (consists of CRANKSHAFT w/six connecting rod BEARING, seven crankshaft BEARING and two PIN, 250 754 R1) |
|    | 304 922 R91 | RING SET, piston (Perfect Circle) (consists of eighteen compression and twelve oil retainer RING)   |
|    | 332 018 R1  | SHIM, cylinder sleeve (.004" thick) (for use with SLEEVE, 304 999 R1 or 320 274 R1) (X)   |

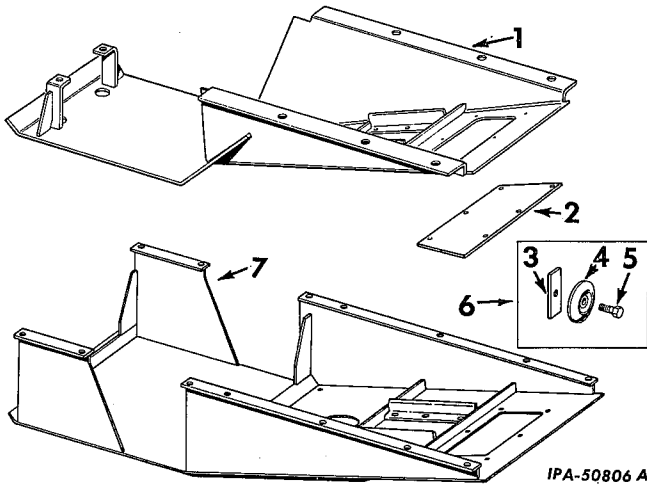
X - As Required.  
 § - Not Furnished Separately.





## DIESEL ENGINE

### CRANKCASE GUARD



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

⊗ - KEY TO UNITS

- A - 304 293 R92 ATTACHMENT, crankcase guard (Not high ground clearance) (See NOTE)
- B - 304 294 R91 ATTACHMENT, crankcase guard (high ground clearance) (used with Equipment Combination Drott Rigid Track Loader) (See NOTE)

⊗ - 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.

- 1 304 296 R21 GUARD, crankcase (not high ground clearance) (Unit A)  
3/4 x 1-1/2" hex-hd. cap SCREW (10)
- 2 320 571 R1 COVER, crankcase guard access hole (will work for 275 479 R1)  
1/2 x 1-1/8" hex-hd. cap SCREW (6)  
1/2" lock WASHER (6)
- 3 42 877 DB SUPPORT, oil drain hole cover
- 4 5 977 DA COVER, oil drain hole (order 67 574 DC)
- 5 SCREW, 1/2 x 1-1/4" oil drain hole cover
- 6 67 574 DC COVER ASSEMBLY, screw oil drain hole
- 7 304 298 R21 GUARD, crankcase (high ground clearance) (Unit B)  
3/4 x 1-1/2" hex-hd. cap SCREW (14)

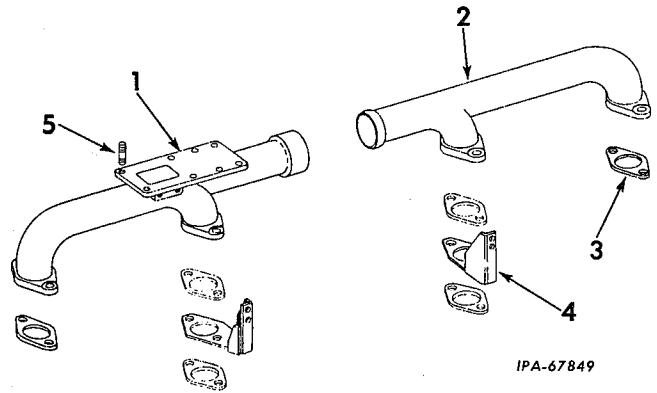
NOTE: Factory Application - Order on Machine Order Form.  
Field Application - Order through Regular Service Parts Channels.



## DIESEL ENGINE

### EXHAUST SYSTEM

EXHAUST MANIFOLDS  
(for machines equipped with Altitude Compensation Attachments)



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

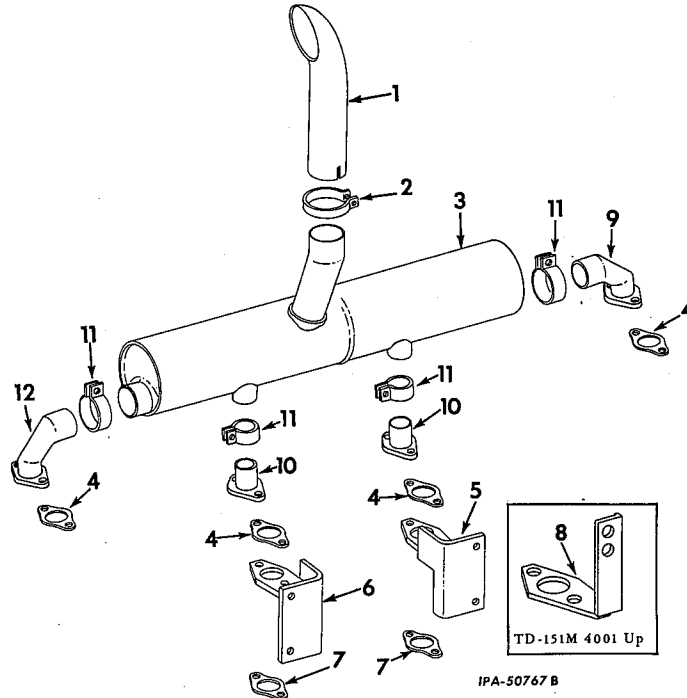
- 1 318 316 R11 MANIFOLD w/two PLUG, 445 684 and eight STUD, 41 634 D, front exhaust PLUG, pipe (2)
- 2 318 317 R1 MANIFOLD, rear exhaust
- 3 322 519 R1 GASKET, exhaust manifold (6)
- 4 318 318 R11 BRACKET, air cleaner mounting (2)
- 5 41 634 D STUD, turbo-charger mounting (8)
- 271 904 R1 STUD, manifold

# DIESEL ENGINE



## EXHAUST SYSTEM

### EXHAUST MUFFLER AND AIR CLEANER BRACKET



# DIESEL ENGINE

## EXHAUST SYSTEM

### EXHAUST MUFFLER AND AIR CLEANER BRACKET - Continued

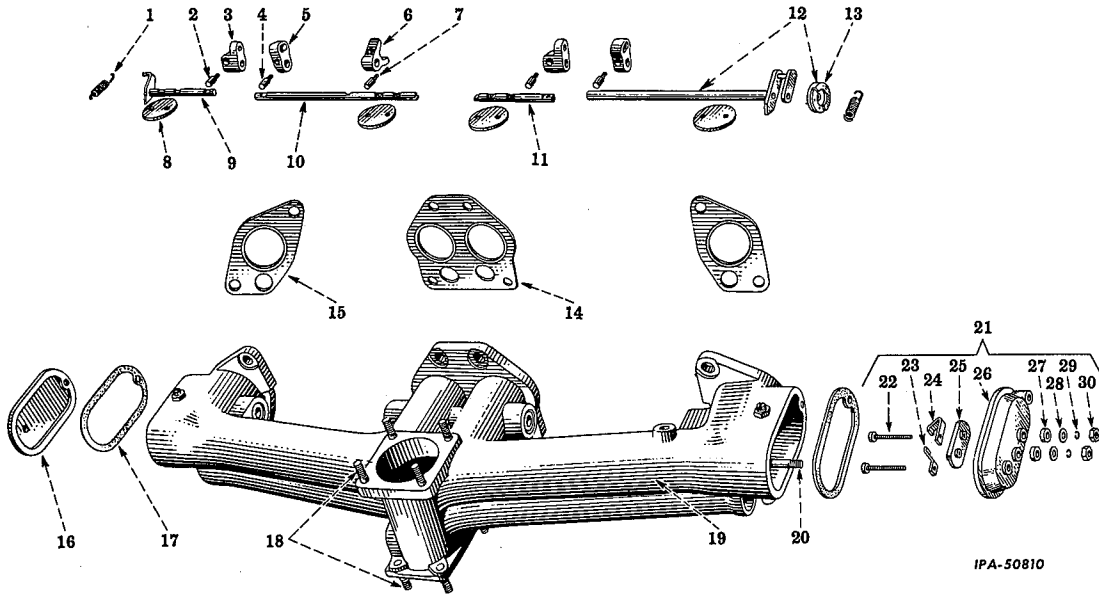
| REF. NO. | I.H. PART NUMBER | DESCRIPTION  |
|----------|------------------|--|
| 1        | 304 215 R2       | STACK, exhaust (not used with exhaust rain cap)  |
| 2        | 48 155 D         | CLAMP, exhaust stack<br>5/16" NUT (2)<br>5/16 x 2-1/4" hex-hd cap SCREW (2)<br>5/16" lock WASHER (2)   |
| 3        | 304 711 R92      | MUFFLER ASSEMBLY, exhaust (not used with heavy hood attachments 311 450 R91 or 322 472 R91) (TD-150M 501 to 4000)<br>(Composed of -<br>§1 BODY<br>4 CLAMP 313 232 R91<br>1 ELBOW 313 229 R1<br>1 ELBOW 313 231 R1<br>2 TUBE 313 230 R1)                        |
| 3        | 318 989 R91      | MUFFLER ASSEMBLY, exhaust (used with heavy hood attachments, 311 450 R91 or 322 472 R91) (TD-150M 501 to 4000)<br>(Composed of -<br>§1 BODY<br>4 CLAMP 313 232 R91<br>1 ELBOW 313 229 R1<br>1 ELBOW 313 231 R1<br>1 RETAINER 320 539 R11<br>2 TUBE 313 230 R1) |
| 3        | 321 300 R91      | MUFFLER ASSEMBLY, exhaust (TD-151M 4001 up)<br>(Composed of -<br>§1 BODY<br>4 CLAMP 313 232 R91<br>1 ELBOW 313 229 R1<br>1 ELBOW 313 231 R1<br>2 TUBE 313 230 R1)  |

| REF. NO. | I.H. PART NUMBER | DESCRIPTION  |
|----------|------------------|--|
| 4        | 322 519 R1       | GASKET, exhaust muffler (4)                            |
| 5        | 304 213 R11      | BRACKET, RH air cleaner (TD-150M 501 to 4000)          |
| 6        | 304 212 R11      | BRACKET, LH air cleaner (TD-150M 501 to 4000)          |
| 7        | 322 519 R1       | GASKET, air cleaner bracket spacer (2)                 |
| 8        | 318 318 R11      | BRACKET, air cleaner mounting (2) (TD-151M 4001 up)    |
| 9        | 313 231 R1       | ELBOW, inlet rear flange                               |
| 10       | 313 230 R1       | TUBE, inlet center flange (2)                          |
| 11       | 313 232 R91      | CLAMP, muffler (4)                                     |
| 12       | 313 229 R1       | ELBOW, inlet front flange                              |
|          | 250 451 R1       | NUT, exhaust muffler retaining (8)                     |
|          | 322 539 R11      | RETAINER, spring (used only with MUFFLER, 318 989 R91) |
|          | 318 991 R1       | SPRING, baffle (used only with MUFFLER, 318 989 R91)   |

§ - Not Furnished Separately.

**DIESEL ENGINE**

**INTAKE MANIFOLD**



IPA-50810

| REF. NO. | I.H. PART NUMBER      | DESCRIPTION  |
|----------|-----------------------|--|
| 1        | 264 166 R1            | SPRING, manifold control (2)   |
| 2        | 42 739 DA             | PIN, manifold control shaft flange (4)<br>1/4"NF NUT (4)<br>1/4" lock WASHER (4)   |
| 3        | 250 546 R1            | COUPLING, manifold control shaft (2)   |
| 4        | 42 739 DA             | PIN, manifold control shaft flange (4)<br>1/4"NF NUT (4)<br>1/4" lock WASHER (4)   |
| 5        | 250 547 R1            | FLANGE, manifold control shaft (2)<br>3/8 x 1-1/4" hex-hd. cap SCREW (2)<br>3/8" lock WASHER (2)<br>13/32" x 13/16" No. 16 ga. flat WASHER (2) |
| 6        | 250 548 R1            | LEVER, manifold control (optional with 262 608 R1)   |
| 6        | 262 608 R1            | LEVER, manifold control (optional with 250 548 R1)   |
| 7        | 42 739 DA             | PIN, manifold control lever<br>1/4"NF NUT<br>1/4" lock WASHER  |
| 8        | 252 618 R1<br>228 148 | VALVE, manifold butterfly (4)<br>SCREW, manifold butterfly valve (8)   |
| 9        | 252 623 R11           | SHAFT w/LEVER rear manifold control  |
| 10       | 252 626 R1            | SHAFT, rear and intermediate manifold control  |
| 11       | 252 625 R1            | SHAFT, front and intermediate manifold control   |

**DIESEL ENGINE**

**INTAKE MANIFOLD - CONTINUED**

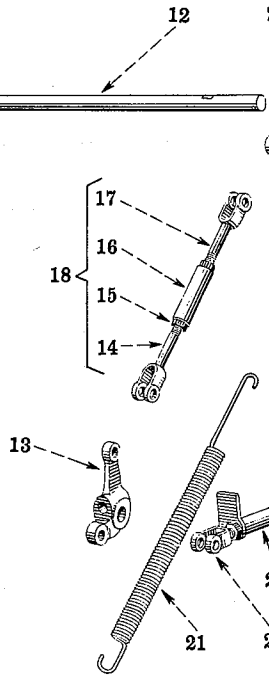
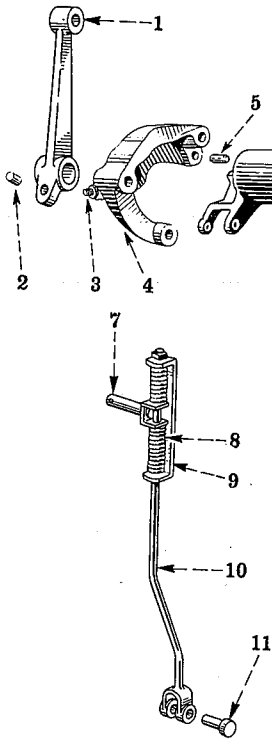
| REF. NO. | I.H. PART NUMBER        | DESCRIPTION   |
|----------|-------------------------|---|
| 12       | 267 948 R91             | SHAFT w/DISC, 265 913 R91 manifold control  |
| 13       | 265 913 R91             | DISC w/EYELET, 188 664 and two EYELETS, 188 523   |
| 14       | 252 617 R2              | GASKET, intake manifold center  |
| 15       | 252 616 R2              | GASKET, intake manifold end (2)   |
| 16       | 264 235 R1<br>54 909 H  | COVER, intake manifold rear end<br>5/16 x 1-3/8" hex-hd. cap SCREW<br>5/16" NUT (for STUD, 263 318 R1)<br>WASHER, 21/64" x 5/8" x No. 18 ga.      |
| 17       | 250 550 R1              | GASKET, intake manifold end cover (2)   |
| 18       | 41 634 D                | STUD, carburetor and air intake flange (8)  |
| 19       | 267 939 R92             | MANIFOLD w/four PLUG, 103 883 and PLUG, 126 045, intake<br>5/16 x 1/2" hex-hd cap SCREW (2)<br>5/16" lock WASHER (2)                              |
| 20       | 263 318 R1              | STUD, intake manifold end cover (2)   |
| 21       | 264 171 R12<br>54 909 H | COVER ASSEMBLY intake manifold front end<br>5/16 x 1-3/8" hex-hd. cap SCREW<br>5/16" NUT<br>5/16" lock WASHER<br>WASHER, 21/64" x 5/8" No. 18 ga. |
| 22       | 263 330 R1              | SCREW, No. 10 x 1" pan-hd. (2)  |
| 23       | 263 328 R1              | BLADE, right switch contact   |
| 24       | 263 327 R1              | BLADE, left switch contact  |



## DIESEL ENGINE

| REF. NO.                    | I. H. PART NUMBER | DESCRIPTION  |
|-----------------------------|-------------------|--|
| INTAKE MANIFOLD - CONTINUED |                   |  |
| 25                          | 263 325 R2        | STRIP, switch blade mounting                                       |
| 26                          | 264 171 R1        | COVER, intake manifold front end, (order 264 171 R12)              |
| 27                          | 263 326 R1        | INSULATOR, terminal (2)  |
| 28                          | 263 329 R1        | WASHER, 13/64 x 1/2 x 16 ga. (cd-pltd.) (2)                        |
| 29                          |                   | WASHER, No. 10 external-tooth lock (cd-pltd.) (2)                  |
| 30                          |                   | NUT, No. 10 type "F" (cd-pltd.) (2)                                |
|                             | 263 308 R91       | CLIP, cable, (rubber coated)<br>17/32 x 1-1/16 x 3/32" flat WASHER |
|                             | 188 664           | EYELET, 1/4 x 7/32" disc   |
|                             | 188 523           | EYELET, 1/8 x 1/4" plate (2)                                       |

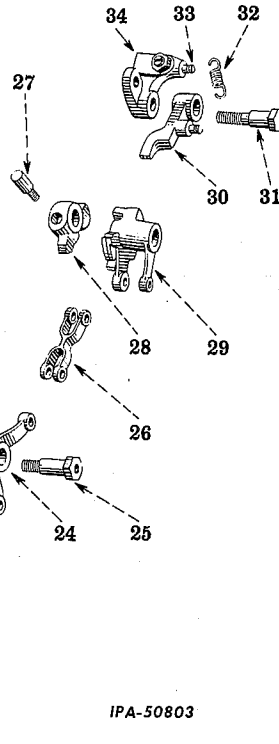
### STARTING MECHANISM



## DIESEL ENGINE

| REF. NO.                    | I. H. PART NUMBER | DESCRIPTION   |
|-----------------------------|-------------------|---|
| INTAKE MANIFOLD - CONTINUED |                   |   |
| 250 544 R1                  |                   | LEVER, rear manifold control shaft  |
| 250 451 R1                  |                   | NUT, intake manifold stud (8)   |
| 250 451 R1                  |                   | NUT, exhaust manifold stud (8)<br>NUT, 3/8" (2)                           |
| 103 883                     |                   | PLUG, 1/8" slit-hdls-stl pipe (4)   |
| 172 545                     |                   | PLUG, intake manifold core (2)  |
| 126 045                     |                   | PLUG, 3/8" ctsk-hdls pipe   |
| 317 510 R91                 |                   | SEAL, manifold control shaft (will work for 53 083 D and 264 531 R91) (4) |
|                             |                   | SCREW, 3/8 x 1-1/4" hdls. dog-pt. set (2)                                 |

### STARTING MECHANISM - CONTINUED



IPA-50803

| REF. NO. | I. H. PART NUMBER | DESCRIPTION  |
|----------|-------------------|--|
| 1        | 274 193 R1        | LEVER, cross shaft operating   |
| 2        | 20 586 D          | PIN, cross shaft operating lever<br>5/16"NF NUT<br>5/16" lock WASHER |
| 3        | 102 393           | SCREW, 5/16 x 1-1/4" hdls., rd-pt. set<br>5/16" jam NUT              |

| REF. NO. | I. H. PART NUMBER | DESCRIPTION   |
|----------|-------------------|---|
| 4        | 261 017 R94       | BRACKET w/PIN, 45 391 D cross shaft<br>3/8 x 2-1/2" hex-hd cap SCREW (2)<br>3/8 x 1-3/8" hex-hd cap SCREW<br>3/8" lock WASHER (2) |
| 5        | 45 391 D          | PIN, friction plate locating  |
| 6        | 272 130 R1        | LEVER, governor control   |



## DIESEL ENGINE

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

## STARTING MECHANISM - CONTINUED

|    |             |  |
|----|-------------|--|
| 7  | 272 101 R91 | TRUNNION, governor control rod<br>3/32 x 5/8" cotter PIN   |
|    | Q 1 597     | 11/32 x 11/16" x 1/16" ga. WASHER  |
| 8  | 261 650 R1  | SPRING, governor control rod (2)   |
| 9  | 54 124 D    | GUIDE, governor control rod trunnion   |
| 10 | 304 082 R11 | ROD, governor control<br>5/16 jam NUT (2)<br>3/32 x 5/8" cotter PIN  |
| 11 | 103 495     | PIN, governor control rod<br>3/32 x 5/8" cotter PIN  |
| 12 | 252 656 R1  | SHAFT, control cross   |
| 13 | 250 794 R1  | LEVER, starting valve cross shaft rear   |
| 14 | 250 796 R11 | ROD w/YOKE LH starting valve cross shaft lever   |
| 15 | 250 799 R1  | NUT, LH starting valve cross lever rod   |
| 16 | 250 798 R1  | TURNBUCKLE, starting valve cross shaft lever rod   |
| 17 | 262 569 R11 | ROD w/YOKE RH starting valve cross shaft lever (optional with 252 663 R11)   |
| 17 | 252 663 R11 | ROD w/YOKE RH starting valve cross shaft lever (optional with 262 569 R11)<br>5/16" jam NUT  |
| 18 | 252 662 R91 | ROD, starting valve cross shaft lever<br>5/16 x 31/32" rod end PIN (2)<br>3/32" x 5/8" cotter PIN (2)                                      |
| 19 | 250 793 R1  | LEVER, front starting valve cross shaft  |
| 20 | 42 739 DA   | PIN, starting valve cross shaft lever (2)<br>1/4" NUT (2)<br>1/4" lock WASHER (2)  |
| 21 | 52 176 DC   | SPRING, cross shaft return   |
| 22 | 262 579 R11 | ROD w/YOKE upper cross shaft operating (optional with 250 792 R11)   |
| 22 | 250 792 R11 | ROD w/YOKE upper cross shaft operating (optional with 262 579 R11)<br>5/16" jam NUT<br>5/16 x 31/32" rod end PIN<br>3/32 x 5/8" cotter PIN |
| 23 | 262 568 R92 | ROD, cross shaft operating (optional with 252 657 R92)   |
| 23 | 252 657 R92 | ROD, cross shaft operating (optional with 262 568 R92)<br>5/16 x 31/32" rod end PIN<br>3/32 x 5/8" cotter PIN                              |
| 24 | 252 660 R1  | BELLCRANK, starting valve operating lever  |
| 25 | 252 661 R1  | PIN, starting valve operating lever bellcrank  |
| 26 | 252 659 R11 | YOKE, bellcrank operating<br>5/16 x 31/32" rod end PIN (2)<br>3/32 x 1/2" cotter PIN (2)   |
| 27 | 20 586 D    | PIN, cross shaft jaw lever<br>5/16"NF NUT<br>5/16" lock WASHER   |
| 28 | 262 607 R1  | LEVER, cross shaft jaw (optional with 52 626 D)  |
| 28 | 52 626 D    | LEVER, cross shaft jaw (optional with 262 607 R1)  |



## DIESEL ENGINE

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

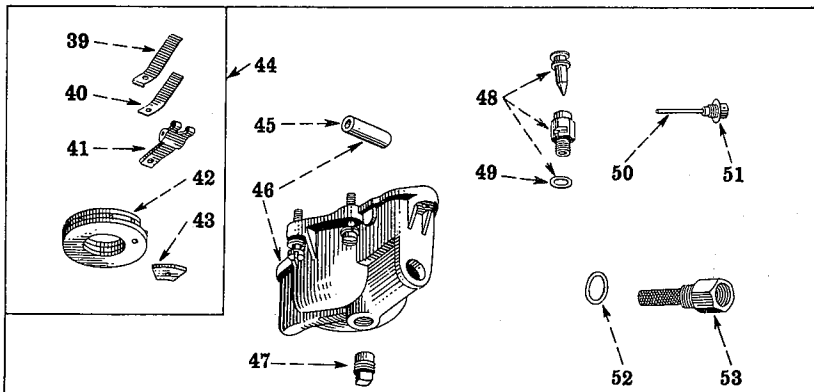
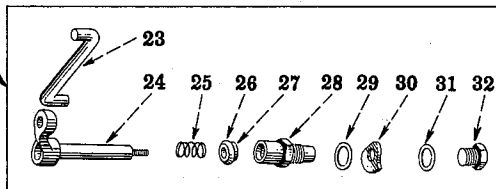
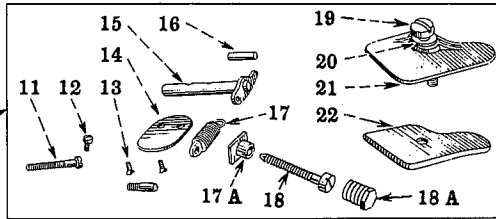
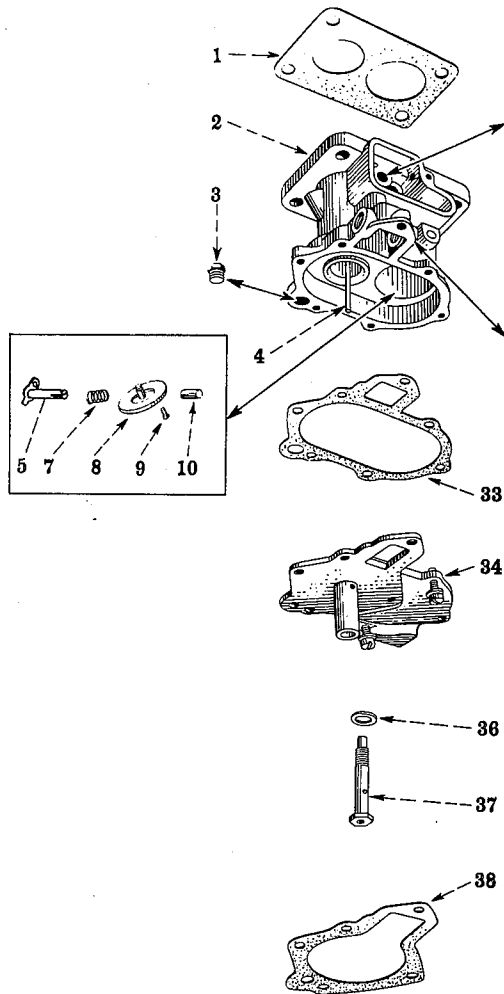
## STARTING MECHANISM - CONTINUED

|    |            |  |
|----|------------|--|
| 29 | 250 787 R2 | JAW, cross shaft<br>5/16" jam NUT<br>1/8 x 1" cotter PIN   |
|    | Q 1 537    | 21/32" x 1" x No. 12 ga. WASHER<br>5/16" x 1-1/4" ov-pt. hdls. set SCREW   |
| 30 | 52 621 DX  | LATCH w/PIN, 52 623 D cross shaft  |
| 31 | 55 354 DA  | PIN, cross shaft latch   |
| 32 | 52 624 D   | SPRING, cross shaft latch  |
| 33 | 52 623 D   | PIN, cross shaft latch spring  |
| 34 | 8 617 DAX  | BRACKET w/PIN cross shaft latch<br>3/8"NF NUT<br>3/8" jam NUT<br>3/16 x 1-1/2" dog-pt. hdls. set SCREW<br>3/8" lock WASHER |



# FUEL SYSTEM

CARBURETOR, INTERNATIONAL  
(For Starting on Gasoline)



IPA-50840A



# FUEL SYSTEM

CARBURETOR, INTERNATIONAL - CONTINUED  
(For starting on Gasoline)

FUEL SYSTEM

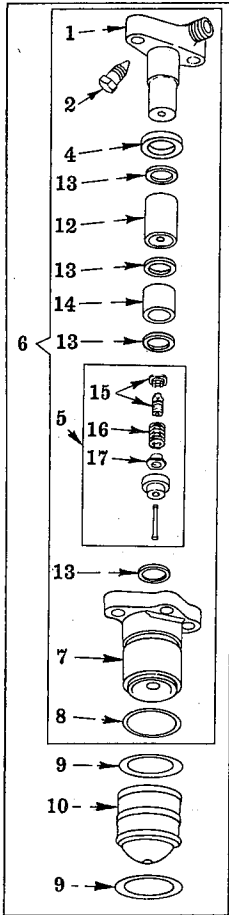
| REF. NO.  | I.H. PART NUMBER    | DESCRIPTION  |
|---|---------------------|--|
| CARBURETOR, INTERNATIONAL - CONTINUED<br>(For starting on Gasoline) |                     |  |
|   | 304 278 R92         | CARBURETOR ASSEMBLY<br>3/8NF NUT (4)<br>3/8" lock WASHER (4)<br>3/8" WASHER (4)                        |
| 1   | 42 769 D            | GASKET, carburetor   |
| 2   | 354 771 R11         | BODY w/idling TUBE, 35 048 DX carburetor   |
| 3   | 58 835 D<br>104 942 | PLUG, primer connection hole<br>CORK, primer hole No. 6 (standard) (No. 2x grade) (3/4" x 15/16" long) |
| 4   | 35 048 DX           | TUBE w/PLUG idling   |
| 5   | 42 863 DA           | SHAFT, 25 969 DB, w/LEVER and SCREW, 31 636 D, starting shutter  |
| 7   | 27 452 D            | SPRING, starting shutter shaft packing   |
| 8   | 251 644 R11         | SHUTTER, starting  |
| 9   | 31 636 D            | SCREW, starting shutter (2)  |
| 10  | 25 969 DB           | SHAFT, starting shutter (short)  |
| 11  | 32 600 D            | SCREW, throttle stop   |
| 12  | 131 963             | LOCK, No. 8 x 3/8" fil-hd. cd-pltd. throttle stop screw  |
| 13  | 14 971 D            | SCREW, butterfly (2)   |
| 14  | 32 601 D            | BUTTERFLY, throttle  |
| 15  | 32 602 DAX          | SHAFT w/LEVER throttle   |
| 16  | 32 599 D            | PIN, throttle stop   |
| 17  | 27 435 D            | SPRING, throttle lever   |
| 17A   | 354 767 R1          | LOCK, throttle spring screw  |
| 18  | 354 766 R1          | SCREW, throttle spring   |
| 18A   | 354 768 R1          | PLUG, throttle spring screw  |
| 19  | 32 609 D            | SCREW, throttle lever cover clamp  |
| 20  | 32 610 D            | GASKET, throttle lever cover clamp screw   |
| 21  | 32 608 D            | COVER, throttle lever  |
| 22  | 32 607 DB           | GASKET, throttle lever cover   |
| 23  | 252 664 R1          | ROD, carburetor control<br>1/16 x 5/8" cotter PIN  |
| 24  | 250 612 R91         | SHAFT w/lever, locking<br>No. 8 hex. NUT<br>No. 8 lock WASHER  |
| 25  | 32 586 D            | SPRING, locking shaft dust washer  |
| 26  | 32 587 D            | RETAINER, locking shaft dust washer  |
| 27  | 32 588 D            | WASHER, dust, locking shaft (2)  |
| 28  | 32 585 DA           | BEARING, locking shaft   |
| 29  | 352 352 R1          | LOCK, locking shaft bearing  |
| 30  | 32 582 D            | CAM, locking shaft   |
| 31  | 18 377 D            | GASKET, locking shaft body plug  |
| 32  | 42 844 D            | PLUG, locking shaft body   |
| 33  | 32 597 D            | GASKET, carburetor bottom plate  |

FUEL SYSTEM

| REF. NO.  | I.H. PART NUMBER | DESCRIPTION   |
|---|------------------|---|
| CARBURETOR, INTERNATIONAL - CONTINUED<br>(For starting on Gasoline) |                  |   |
| 34  | 5 975 DA         | PLATE, carburetor bottom<br>No. 12 x 3/4" fil-hd. cd-pltd. machine SCREW (3)<br>No. 12 cd-pltd. lock WASHER (3)   |
| 36  | 32 615 D         | GASKET, metering well   |
| 37  | 32 975 D         | WELL, metering  |
| 38  | 32 606 DB        | GASKET, fuel bowl   |
| 39  | 32 578 D         | SPRING, float lever (upper leaf)  |
| 40  | 32 577 D         | SPRING, float lever (lower-leaf)  |
| 41  | 357 090 R1       | LEVER, float (order 251 652 R91)  |
| 42  | 251 650 R11      | FLOAT, w/FERRULE<br>No. 4 x 1/2" rd-hd-slt. SCREW<br>No. 4 NUT  |
| 43  | 32 574 DAX       | PLATE, float reinforcing (used with FLOAT and LEVER, 53 079 D)  |
| 44  | 251 652 R91      | LEVER ASSEMBLY, float<br>(Composed of -<br>1 FLOAT 251 650 R11<br>§1 LEVER<br>1 SPRING 32 577 D<br>1 SPRING 32 578 D)   |
| 45  |                  | SPACER, float lever (order 5 051 DX or 9 390 DX)  |
| 46  | 5 051 DX         | BOWL w/SPACER, 32 604 D fuel (optional with 9 390 DX)   |
| 46  | 9 390 DX         | BOWL w/SPACER, 32 604 D fuel (optional with 5 051 DX)   |
| 47  | 117 243          | PLUG, sq-hd. 1/8" cd-pltd. pipe   |
| 48  | 32 581 DXB       | VALVE w/CAGE and GASKET, 25 948 D needle  |
| 49  | 25 948 D         | GASKET, needle valve cage (order 32 581 DXB)  |
| 50  | 32 576 DX        | SCREW w/float lever PIVOT float pivot   |
| 51  | 25 948 D         | GASKET, float lever pivot screw   |
| 52  | 18 377 D         | GASKET, strainer screen   |
| 53  | 29 902 DX        | RETAINER w/SCREEN strainer  |
| 54  | 35 691 DA        | BOWL ASSEMBLY, fuel<br>(Composed of -<br>1 BOWL 9 390 DX<br>1 CAGE 32 581 DXB<br>1 FLOAT and LEVER 251 652 R91<br>1 GASKET 18 377 D<br>1 GASKET 25 948 D<br>1 RETAINER 29 902 DX<br>1 SCREW 32 576 DX)<br>No. 12 x 1" cd-pltd. fil-hd., mach. SCREW (4)<br>No. 12 x 1" cd-pltd. fil-dh., mach. SCREW<br>No. 12 cd-pltd. lock WASHER (5) |
|   | 37 006 D         | BLANK, carburetor number plate  |
|   |                  | SCREW, No. 0 x 3/16 rd-hd. (number plate)   |
|   | 14 581 D         | PACKING, dust starting shutter (2)  |
|   | 32 590 D         | RETAINER, starting shutter dust packing   |
|   |                  | § - Not Furnished Separately.   |

# FUEL SYSTEM

## INJECTION NOZZLES AND PRE-COMBUSTION CHAMBERS



IPA-50044 A

| REF. NO. | I.H. PART NUMBER | DESCRIPTION   |
|----------|------------------|---|
| 1        | 276 073 R1       | FITTING, nozzle (6)<br>3/8NF x 2-1/4" hex-hd. cap SCREW (12)  |
| 2        | 275 634 R1       | VALVE, nozzle bleeder (6)   |
| 4        | 250 608 R1       | SEAL, nozzle fitting dust (6)   |
| 5        | 275 719 R91      | VALVE ASSEMBLY, nozzle (open type, .012 - .013" lift) (6)<br>(Composed of -<br>1 SCREW and SEAT 278 008 R91<br>§1 SEAT<br>1 SEAT 271 740 R1<br>1 SPRING 276 954 R1<br>§1 VALVE )  |
| 6        | 276 393 R91      | NOZZLE ASSEMBLY, injection (open type) (6)<br>(Composed of -<br>1 BODY 276 394 R11<br>1 FITTING 276 073 R1<br>4 GASKET 37 148 D<br>1 SLEEVE 271 743 R1<br>1 SPACER 271 744 R1<br>1 VALVE 275 719 R91<br>1 VALVE 275 634 R1) |

# FUEL SYSTEM

## INJECTION NOZZLES AND PRE-COMBUSTION CHAMBERS - CONTINUED

| REF. NO. | I.H. PART NUMBER | DESCRIPTION  |
|----------|------------------|--|
| 7        | 276 394 R11      | BODY w/SEAL, 250 608 R1 and SEAL, 251 044 R2 nozzle (open type) (6)  |
| 8        | 251 044 R2       | SEAL, nozzle body dust (6)   |
| 9        | 251 042 R4       | GASKET, pre-combustion chamber (12)                                  |
| 10       | 341 016 R1       | CHAMBER, pre-combustion (6) (*)                                      |
| 10       | 268 166 R1       | CHAMBER, pre-combustion (6) (not *)                                  |
| 11       |                  | Not Used   |
| 12       | 271 744 R1       | SPACER, nozzle valve (6)   |
| 13       | 37 148 D         | GASKET, nozzle valve (24)  |
| 14       | 271 743 R1       | SLEEVE, nozzle valve (6)   |
| 15       | 278 008 R91      | SEAT w/valve stop SCREW upper, nozzle valve spring (6)               |
| 16       | 276 954 R1       | SPRING, nozzle (6)   |
| 17       | 271 740 R1       | SEAT, lower spring (6)   |
|          | 31 121 D         | NUT, nozzle body stud (12)   |
|          |                  | * - Used on machines equipped with Altitude Compensation Attachments |

| REF. NO.                                     | I.H. PART NUMBER | DESCRIPTION   |
|--|------------------|---|
| <b>I.H. TWIN PLUNGER FUEL INJECTION PUMP</b> |                  |   |
| 328 017 R91                                  |                  | PUMP ASSEMBLY, model "C" Fuel Injection (105 H.P. - 1650 R.P.M. - 9% Regulation) (See NOTE) (together with PACKAGE, 332 106 R91 will work for PUMP, 270 167 R91)  |
| 332 106 R91                                  |                  | PACKAGE, IH fuel injection pump Model "C" field service<br>(Consists of -<br>1 BRACKET 323 907 R1<br>1 CLAMP 64 121 D<br>1 CLAMP 262 119 R1<br>1 CLAMP 324 630 R1<br>1 CONNECTOR 89 863 H<br>2 CUSHION 262 029 R1<br>1 ELBOW 30 402 D<br>1 ELBOW 67 869 D<br>1 NIPPLE 144 580<br>3 NUT 369 987 R1<br>1 PIPE 323 905 R1<br>1 PIPE 323 906 R1 ) |

§ - Not Furnished Separately

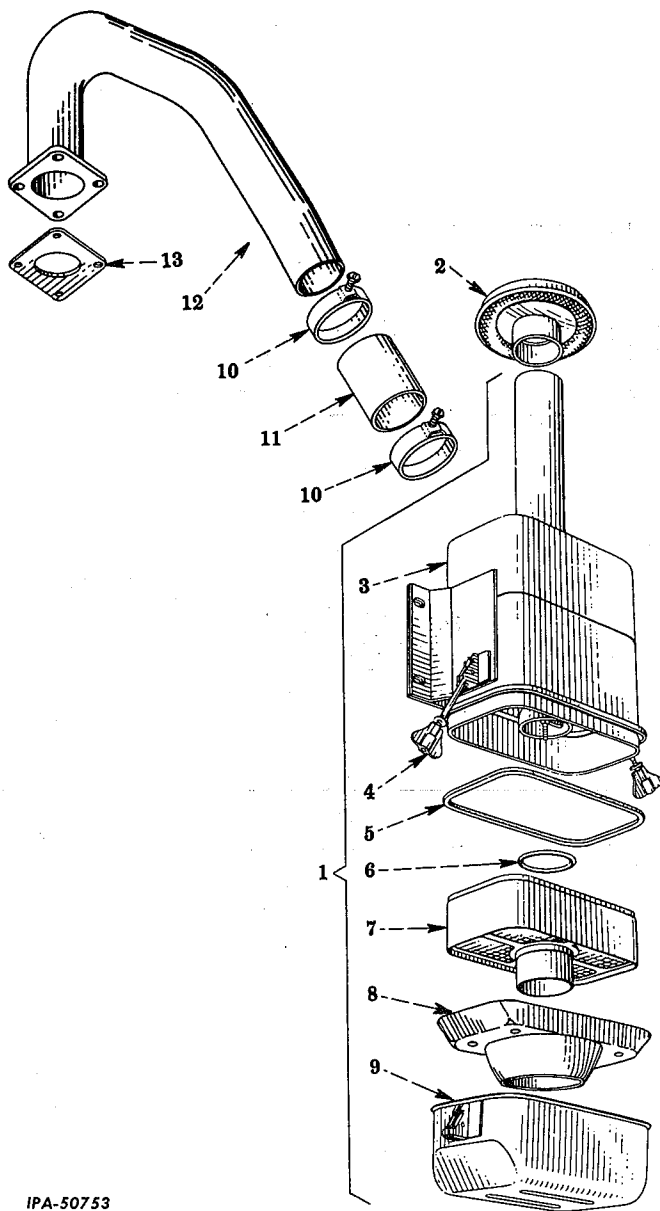
NOTE - Refer to Injection Pump Parts Catalog PU-40D when ordering detail parts for complete injection pump. For speed charts see Injection Pump Parts Catalog PU-40D.





### FUEL SYSTEM

#### AIR CLEANER (NOT DRY TYPE) AND CONNECTIONS (United Specialties) (TD-15-150 Series)



IPA-50753

| REF. NO. | I.H. PART NUMBER | DESCRIPTION   |
|----------|------------------|---|
| 1        | 274 374 R92      | CLEANER ASSEMBLY, air (order 317 525 R91)<br>(Composed of - |
|          | 1                | BAFFLE 305 132 R91  |
|          | § 1              | BODY  |
|          | 1                | CUP 275 560 R91   |
|          | 1                | FILTER 305 131 R91  |
|          | 1                | GASKET 272 946 R1   |
|          | 2                | NUT and STUD 272 940 R91                                    |
|          | 1                | "O" RING 272 947 R1)  |



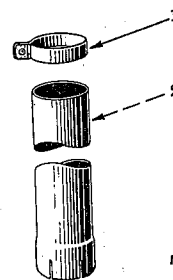
### FUEL SYSTEM

#### AIR CLEANER (NOT DRY TYPE) AND CONNECTIONS - CONTINUED (United Specialties) (TD-15-150 Series)

| REF. NO. | I.H. PART NUMBER | DESCRIPTION   |
|----------|------------------|---|
| 1        | 317 525 R91      | CLEANER ASSEMBLY, air (will work for 274 374 R92)<br>(Composed of -         |
|          | 1                | BAFFLE 317 569 R91  |
|          | § 1              | BODY  |
|          | 1                | CUP 275 560 R91   |
|          | 1                | FILTER 305 131 R91  |
|          | 1                | GASKET 272 946 R1   |
|          | 2                | NUT and STUD 272 940 R91  |
|          | 1                | "O" RING 272 947 R1)  |
|          |                  | 3/8" NUT (4)  |
|          |                  | 3/8 x 1-1/8" hex-hd. cap SCREW (4)  |
|          |                  | 3/8" lock WASHER (4)  |
|          |                  | 13/32 x 13/16" x 16 ga. WASHER (4)  |
| 2        | 272 377 R91      | CAP, air cleaner stack  |
| 3        |                  | BODY, upper (order 274 374 R92 or 317 525 R91)                              |
| 4        | 272 940 R91      | NUT, wing and stud (227A1K02) (2)   |
| 5        | 272 946 R1       | GASKET, oil cup (616A7)   |
| 6        | 272 947 R1       | "O" RING, oil cup (2.725 x 3.225 x .250) (940A3)                            |
| 7        | 305 131 R91      | FILTER, removable (1052C3)  |
| 8        | 305 132 R91      | BAFFLE, splash (N86D5) (used with 274 374 R92)                              |
| 8        | 317 569 R91      | BAFFLE, splash (104 905) (used with 317 525 R91)                            |
| 9        | 275 560 R91      | CUP, oil (1051D5K02)  |
| 10       | 274 089 R91      | CLAMP, air cleaner pipe hose (2)  |
| 11       | 314 525 R1       | HOSE, air cleaner pipe (3 x 3-3/8 x 3-1/2" long) (will work for 278 637 R1) |
| 12       | 304 205 R21      | PIPE, air cleaner<br>3/8" NUT (4)<br>3/8" lock WASHER (4)                   |
| 13       | 50 529 D         | GASKET, air cleaner pipe flange   |

§ - Not Furnished Separately

#### AIR CLEANER PIPE EXTENSION (TD-15-150 Series)



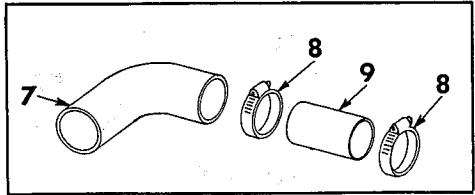
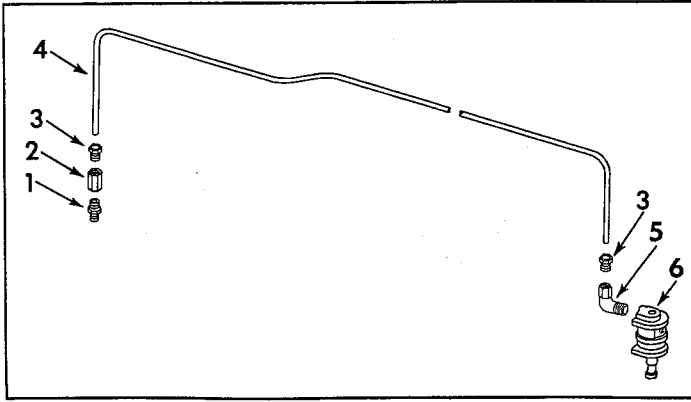
IPA-41036

| REF. NO. | I.H. PART NUMBER | DESCRIPTION  |
|----------|------------------|--|
|          | 273 039 R91      | ATTACHMENT, air pipe extension<br>(Consists of the following parts) (See NOTE 3)               |
| 1        | 48 155 D         | CLAMP, air pipe extension<br>5/16" NUT<br>5/16 x 2-1/4" hex-hd. cap SCREW<br>5/16" lock WASHER |
| 2        | 58 457 DA        | EXTENSION, air pipe  |

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

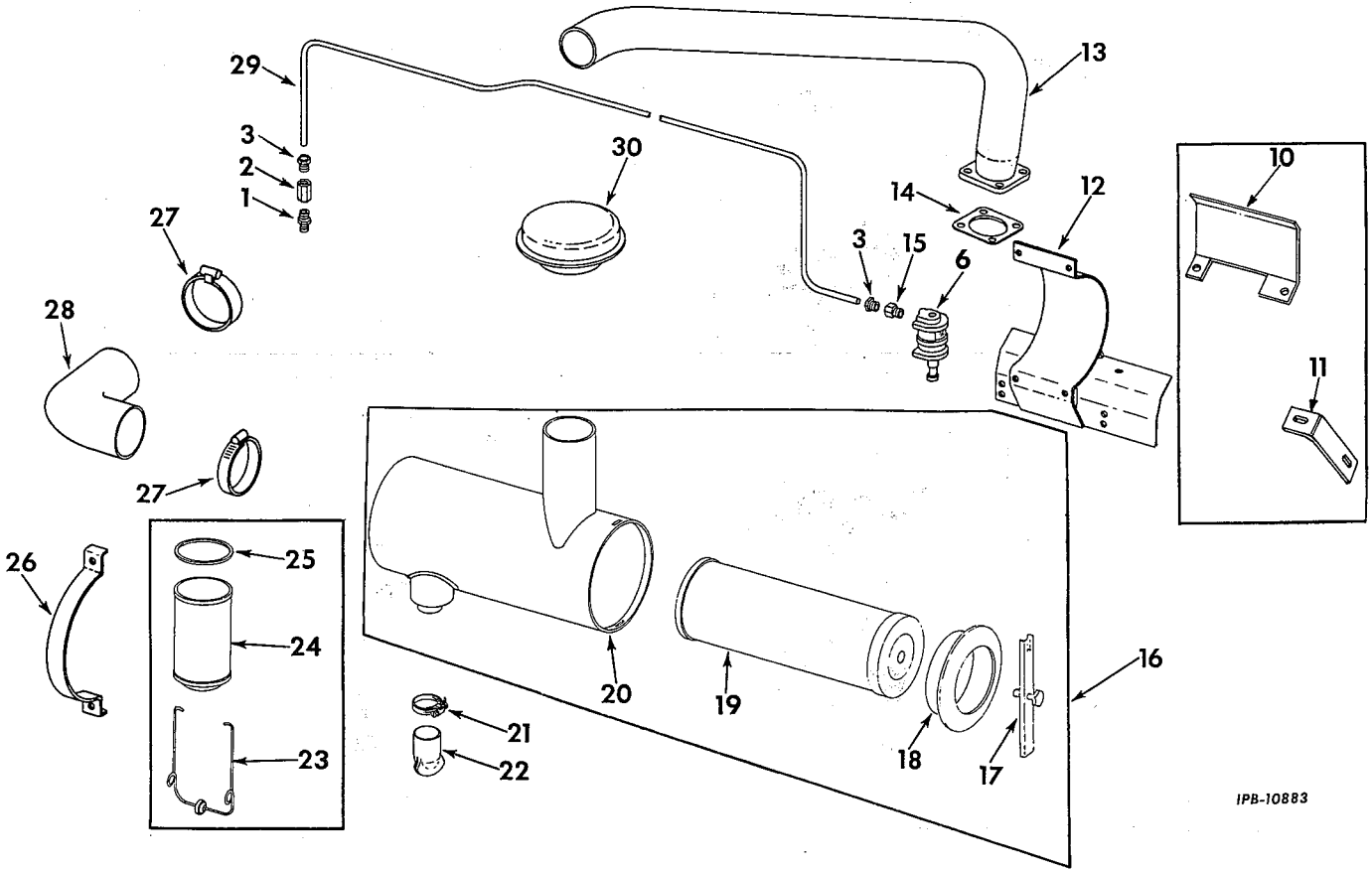
### FUEL SYSTEM

AIR CLEANER (DRY TYPE) AIR CLEANER FILTER INDICATOR AND CONNECTIONS (United Specialties) (TD-15-151 Series) (TD-15-150 Series and TD-15-151 Series equipped with Altitude Compensation Attachment)



### FUEL SYSTEM

AIR CLEANER (DRY TYPE) AIR CLEANER FILTER INDICATOR AND CONNECTIONS - CONTINUED (United Specialties) (TD-15-151 Series) (TD-15-150 Series and TD-15-151 Series equipped with Altitude Compensation Attachment)



IPB-10883

| REF. NO. | I. H. PART NUMBER | DESCRIPTION                                     |
|----------|-------------------|---|
| 1        | 317 972 R91       | NIPPLE and FILTER, air cleaner filter indicator |
| 2        | 19 715 R1         | BODY, 1/8 x 1/8"NPT connector                   |
| 3        | 36 092 D          | NUT, connector (for 1/8" tubing) (2)            |

| REF. NO. | I. H. PART NUMBER | DESCRIPTION                         |
|----------|-------------------|-------------------------------------|
| 4        | 321 591 R1        | TUBE, 1/8"OD x 47" long (nylon) (%) |
| 5        | 36 637 D          | ELBOW, tubing (%)                   |
| 6        | 324 365 R91       | INDICATOR, air cleaner filter       |
| 7        | 320 598 R1        | PIPE, air cleaner outlet (†) (%)    |



## FUEL SYSTEM

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

**AIR CLEANER (DRY TYPE) AIR CLEANER FILTER INDICATOR AND CONNECTIONS - CONTINUED**  
 (United Specialties) (TD-15-151 Series) (TD-15-150 Series and TD-15-151 Series equipped with Altitude Compensation Attachment)

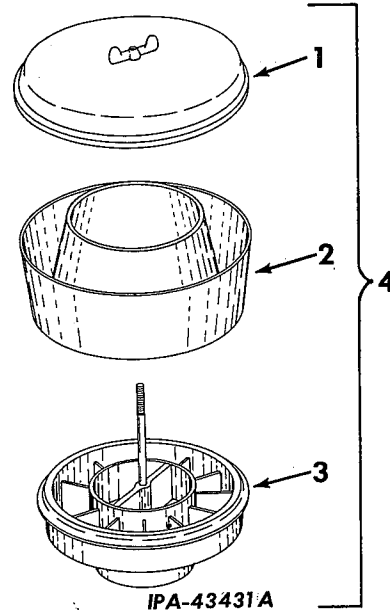
|    |              |  |
|----|--------------|--|
| 8  | 279 029 R91  | CLAMP, outlet pipe hose (2) (†) (%)  |
| 9  | 278 637 R1   | HOSE, air cleaner outlet pipe (3 x 3-3/8 x 2-1/2" long) (†) (%)  |
| 10 | 322 119 R1   | SHIELD, air cleaner (†)<br>3/8" NUT (2)<br>3/8 x 7/8" hex-hd cap SCREW (2)<br>3/8" lock WASHER (2)               |
| 11 | 322 474 R1   | BRACE, air cleaner (†)<br>3/8NF NUT (2)<br>3/8NF x 1" hex-hd cap SCREW (2)<br>3/8" lock WASHER (2)               |
| 12 | 320 635 R11  | SUPPORT, air cleaner (\$) (†)  |
| 12 | 320 595 R11  | SUPPORT, air cleaner (%)<br>3/8" NUT (4)<br>3/8 x 7/8" hex-hd cap SCREW (4)<br>3/8" lock WASHER (4)              |
| 13 | 320 634 R11  | PIPE, air cleaner outlet<br>3/8NF NUT (4)<br>3/8" lock WASHER (4)  |
| 14 | 50 529 D     | GASKET, air cleaner pipe flange  |
| 15 | 59 939 D     | BODY, 1/8 x 1/8"NPT connector (\$) (†)   |
| 16 | 338 981 R91  | CLEANER ASSEMBLY, air (109DX24A) (dry type) (will work for 321 271 R91)  |
| 17 | 321 688 R91  | BAR, element retainer (193B5K026)  |
| 18 | 338 727 R1   | GASKET, element end cover (615B12-S)   |
| 19 | 321 595 R91  | ELEMENT, air cleaner (250C7-S)   |
| 20 |              | BODY (order 338 981 R91)   |
| 21 | 122 316 R91  | CLAMP, dust unloader   |
| 22 | 324 194 R1   | UNLOADER, dust   |
| 23 | 319 851 R91  | BAIL, dust jar (229B8K026) (*)   |
| 24 | 319 850 R91  | JAR, dust (1911C1K026) (*)   |
| 25 | 319 852 R1   | GASKET, dust jar (615B5-S) (*)   |
| 26 | 320 637 R1   | STRAP, air cleaner mounting (2) (\$) (†)   |
| 26 | 320 597 R1   | STRAP, air cleaner mounting (2) (%)<br>3/8" NUT (4)<br>3/8 x 1-1/2" hex-hd cap SCREW (4)<br>3/8" lock WASHER (4) |
| 27 | 279 029 R91  | CLAMP, air cleaner hose (2)  |
| 28 | 304 398 R1   | ELBOW, 3" ID rubber  |
| 29 | 321 264 R1   | TUBE, 1/8" OD x 45" long (nylon) (\$) (†)  |
| 30 | 321 259 R1   | CAP, air cleaner stack (not used with heavy hood)  |
|    | 362 120 R1   | CLIP, air cleaner filter indicator (mounted on upper rear air cleaner mounting strap bolt)                       |
|    | 2 751 041 R1 | DECALCOMANIA, air cleaner instructions   |

\* - Used with Air Cleaner, 321 271 R91.  
 † - TD-15 (151 Series) Altitude Compensation.  
 % - TD-15 (150 Series) Altitude Compensation.  
 \$ - TD-15 (151 Series) Crawler Tractor.



## FUEL SYSTEM

**PRE-CLEANER**  
 (Plastic Body) (Donaldson)



| REF. NO. | I.H. PART NUMBER | DESCRIPTION   |
|----------|------------------|---|
|          | 273 034 R91      | ATTACHMENT, pre-cleaner (collector type) (not used with Heavy Hood or Altitude Compensation Attachments) (TD-15 (150 Series) (See NOTE 3)   |
|          | 320 588 R91      | ATTACHMENT, pre-cleaner (collector type) (not used with Heavy Hood Attachment) (used with altitude compensation Attachment) (TD-15 (150 Series) (See NOTE 3) (TD-15 (151 Series) See NOTES 1 and 3) |
|          | 320 589 R91      | ATTACHMENT, pre-cleaner (collector type) (used with Heavy Hood and Altitude Compensation Attachments) (TD-15 (150 Series) (See NOTE 3) (TD-15 (151 Series) See NOTES 1 and 3)                       |
| 1        | 277 376 R91      | COVER (P-16548)   |
| 2        | 277 377 R1       | BODY (P-16330)  |
| 3        |                  | Not Furnished Separately  |
| 4        | 277 375 R91      | PRE-CLEANER (H-253) (part of ATTACHMENT, 273 034 R91)   |
| 4        | 321 262 R91      | PRE-CLEANER (PBH00-0255) (part of ATTACHMENT, 320 588 R91)  |
| 4        | 321 261 R91      | PRE-CLEANER (PBH00-0256) (part of ATTACHMENT, 320 589 R91)  |

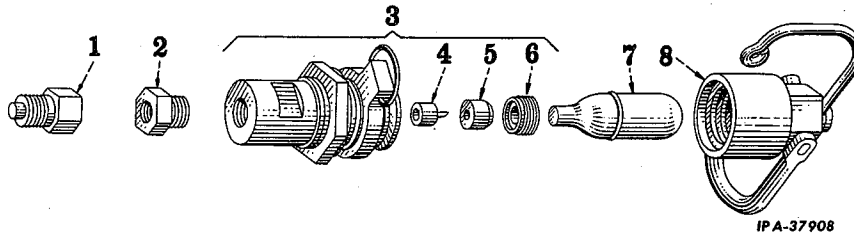
NOTE 1 - Factory Application - Order on Machine Order Form.

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



# FUEL SYSTEM

CHEVRON PRESSURE PRIMER DIESEL STARTING



IPA-37908



# FUEL SYSTEM

CHEVRON PRESSURE PRIMER DIESEL STARTING - CONTINUED

| REF. NO. | I. H. PART NUMBER | DESCRIPTION  |
|----------|-------------------|--|
|          | 269 630 R91       | ATTACHMENT, chevron pressure primer diesel starting (Consists of the following parts) (See NOTE 3) |
| 1        | 269 635 R91       | NOZZLE, discharge  |
| 2        | 269 634 R91       | SCREEN, discharge  |
| 3        | 269 633 R91       | BODY w/PIN, 269 525 R1, SCREW, 269 524 R1 and WASHER, 269 523 R1, discharge                        |
| 4        | 269 525 R1        | PIN, piercing  |

| REF. NO. | I. H. PART NUMBER | DESCRIPTION   |
|----------|-------------------|---|
| 5        | 269 523 R1        | WASHER, bulb neck                                   |
| 6        | 269 524 R1        | SCREW, bulb neck                                    |
| 7        | 269 636 R91       | BULB, pressure primer (not part of 269 630 R91) (X) |
| 8        | 269 632 R91       | CAP, discharge                                      |

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

FUEL SYSTEM

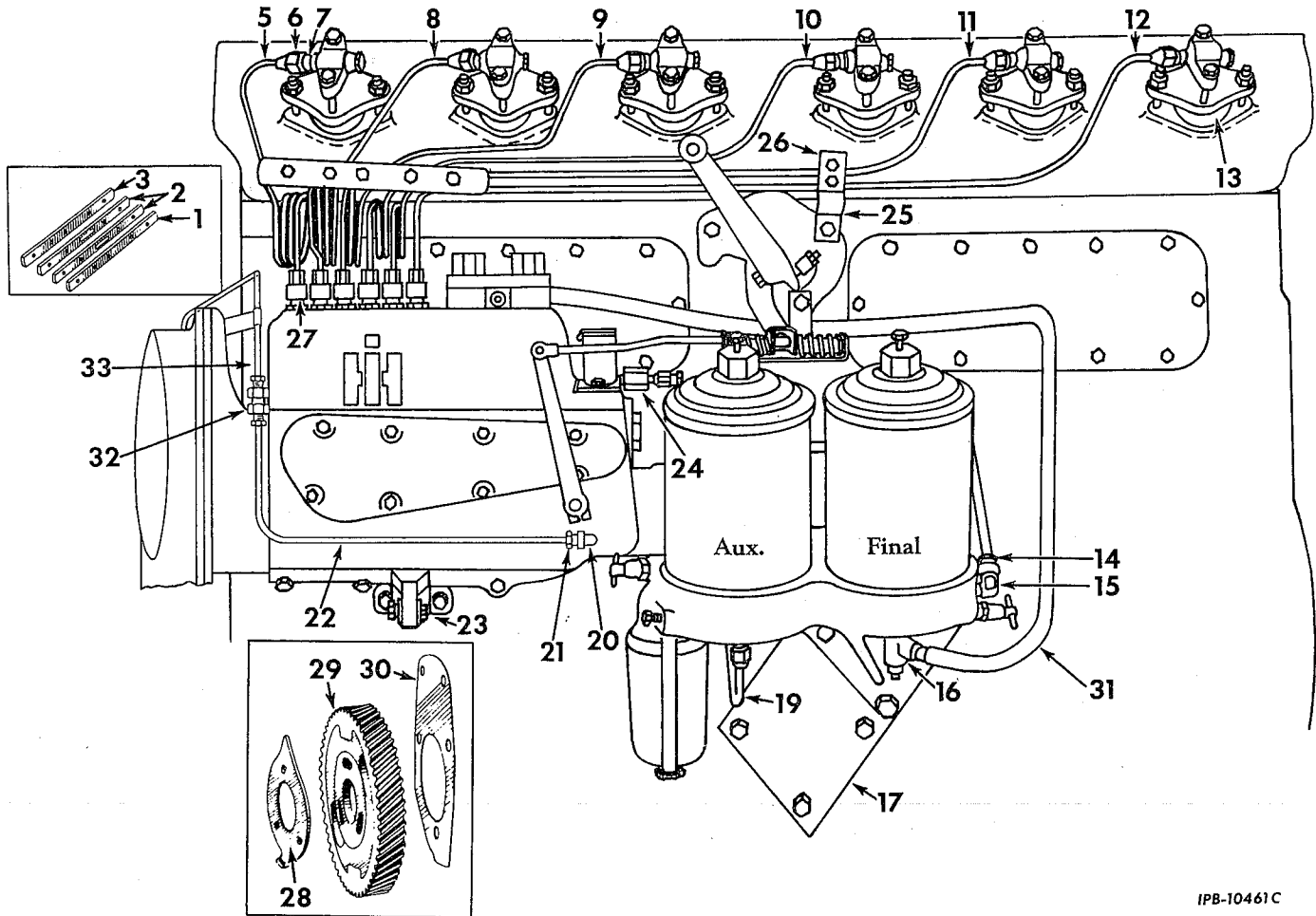


FUEL PIPES, GEAR AND CONNECTIONS

FUEL SYSTEM



FUEL PIPES, GEAR AND CONNECTIONS - CONTINUED



IPB-10461C

| REF. NO. | I.H. PART NUMBER | DESCRIPTION  |
|----------|------------------|--|
| 1        | 263 178 R1       | CLAMP, injection pipe  |
| 2        | 263 179 R1       | PAD, injection pipe clamp (2)<br>1/4NF x 1-1/8" hex-hd. cap SCREW (5)<br>1/4" internal-tooth lock WASHER (5) |
| 3        | 264 718 R1       | CLAMP, injection pipe (threaded)   |
| 5        | 254 461 R1       | PIPE, cylinder No. 1 injection   |
| 6        | 250 617 R1       | NUT, injection pipe (nozzle end) (6)   |
| 7        | 250 610 R2       | SLEEVE, injection pipe (12)  |
| 8        | 254 462 R1       | PIPE, cylinder No. 2 injection   |
| 9        | 254 463 R2       | PIPE, cylinder No. 3 injection   |
| 10       | 254 464 R1       | PIPE, cylinder No. 4 injection   |
| 11       | 254 465 R1       | PIPE, cylinder No. 5 injection   |
| 12       | 254 466 R1       | PIPE, cylinder No. 6 injection   |

| REF. NO. | I.H. PART NUMBER | DESCRIPTION  |
|----------|------------------|--|
| 13       |                  | NOZZLE, injection (refer to injection nozzle and pre-combustion chambers)  |
| 14       | 278 953 R91      | NUT, primary pump to final fuel filter pipe  |
| 15       | 37 323 D         | ELBOW, primary pump to final fuel filter pipe  |
| 16       | 444 148          | TEE, final fuel filter outlet  |
| 17       | 304 622 R1       | BRACKET, fuel oil filter support<br>1/2 x 1-3/8" hex-hd. cap SCREW (3)<br>1/2" lock WASHER (3)                                     |
| 19       | 312 556 R11      | PIPE w/two NUT and two NIPPLE, auxiliary fuel filter to primary pump (together with ELBOW, 260 304 R1) (will work for 304 077 R11) |



## FUEL SYSTEM

| REF. NO.                                     | I. H. PART NUMBER | DESCRIPTION  |
|--|-------------------|--|
| FUEL PIPES, GEAR AND CONNECTIONS - CONTINUED |                   |  |
| 20   | 30 402 D          | ELBOW, lubricating oil supply (*)  |
| 21   | 369 987 R1        | NUT (3) (*)  |
| 22   | 323 906 R1        | PIPE, lubricating oil supply (to injection pump) (*)   |
| 23   | 260 497 R.91      | BRACKET, injection pump<br>3/8NF NUT<br>3/8 x 1" hex-hd. cap SCREW (2)<br>3/8NF x 1-1/2" hex-hd. cap SCREW<br>3/8" lock WASHER (3)<br>13/32 x 13/16" x 16 ga. WASHER (4) |
| 24   | 22 507 D          | CONNECTOR, auxiliary fuel filter to primary pump   |
| 25   | 258 046 R1        | CLIP, injection pipe brace   |
| 26   | 258 047 R1        | BRACE, injection pipe<br>1/4NF NUT (2)<br>1/4NF x 1" hex-hd. cap SCREW (2)<br>1/4" lock WASHER (2)   |
| 27   | 251 050 R2        | NUT, injection pipe (pump end) (6)   |
| 28   | 46 584 D          | INDICATOR, injection pump gear timing  |
| 29   | 8 146 DB          | GEAR, injection pump   |
| 30   | 62 939 DB         | GASKET, fuel injection pump  |
| 31   | 276 027 R.91      | HOSE, final fuel filter to injection pump  |
| 32   | 89 863 H          | CONNECTOR, pipe (*)  |
| 33   | 323 905 R1        | PIPE, lubricating oil supply (*)   |
|  | 323 907 R1        | BRACKET, pipe clamp support (*)  |
|  | 64 121 D          | CLAMP, lubricating oil supply pipe (*)   |
|  | 66 362 D          | CLAMP, fuel line (2)   |
|  | 262 038 R1        | NUT, type "V" tinnerman speed<br>1/4 x 1/2" fil-hd sltd mach SCREW   |
|  | 262 119 R1        | CLAMP, lubricating oil supply pipe (*)   |
|  | 324 630 R1        | CLAMP, lubricating oil supply pipe (*)<br>No. 8 x 1/2" slt-rd-hd tapping   |
|  | 66 076 D          | CLIP, final fuel filter to injection pump hose   |
|  | 272 424 R1        | CLIP, plunger drain (†)  |
|  | 29 901 D          | CONNECTOR, plunger drain pipe (†)  |
|  | 262 029 R1        | CUSHION, fuel pipe (2) (*)   |
|  | 272 941 R1        | CUSHION, fuel line clamp (2)   |
|  | 120 499           | ELBOW, 1/4 x 90° fuel filter inlet street  |
|  | 67 869 D          | ELBOW, pipe (lubricating oil supply) (*)   |
|  | 260 304 R1        | ELBOW, 1/4" street (pump end) (used with 304 077 R11)  |
|  | 144 580           | NIPPLE, pipe (1/8"NPT x 7/8") (lubricating oil supply) (*)   |
|  | 29 898 D          | NUT, plunger drain pipe connector  |



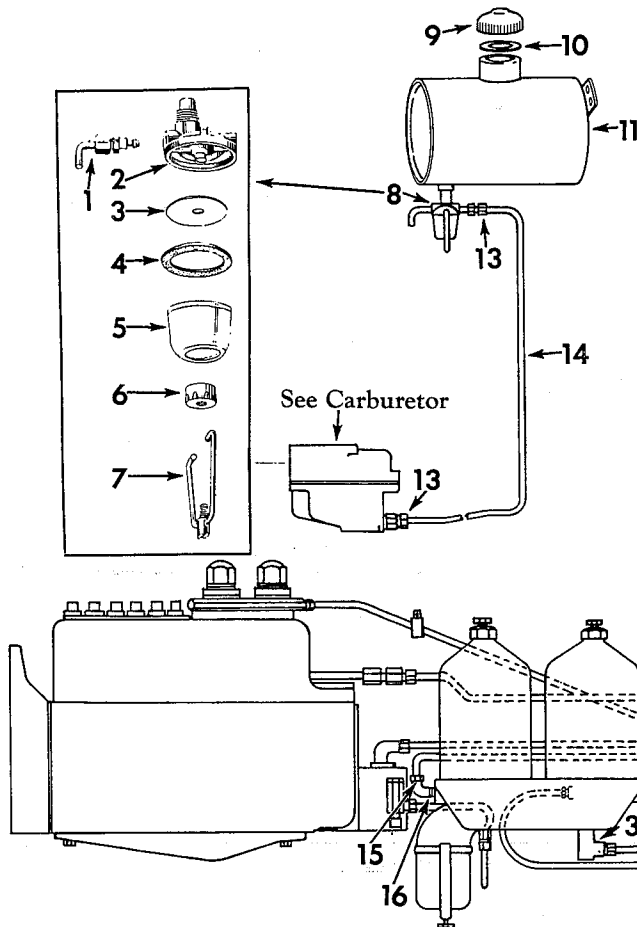
## FUEL SYSTEM

| REF. NO.   | I. H. PART NUMBER | DESCRIPTION   |
|--|-------------------|---|
| FUEL PIPES, GEAR AND CONNECTIONS - CONTINUED   |                   |   |
| 260 623 R1   |                   | NUT, injection pump mounting stud                                 |
| 270 697 R2   |                   | PIPE, plunger drain (†)   |
| 304 078 R1   |                   | PIPE, primary pump to final fuel filter                           |
| 50 410 DA  |                   | PLUG, fuel inlet fitting  |
| 103 866  |                   | PLUG, 1/4" pipe<br>SCREW, w/lock WASHER, 3/8 x 1" hex-hd mach (2) |
| 260 489 R1   |                   | STUD, injection pump mounting                                     |
| (*) - For use with Model "C" Injection Pumps only.<br>(†) - For use with Model "B" Injection Pumps only. |                   |   |



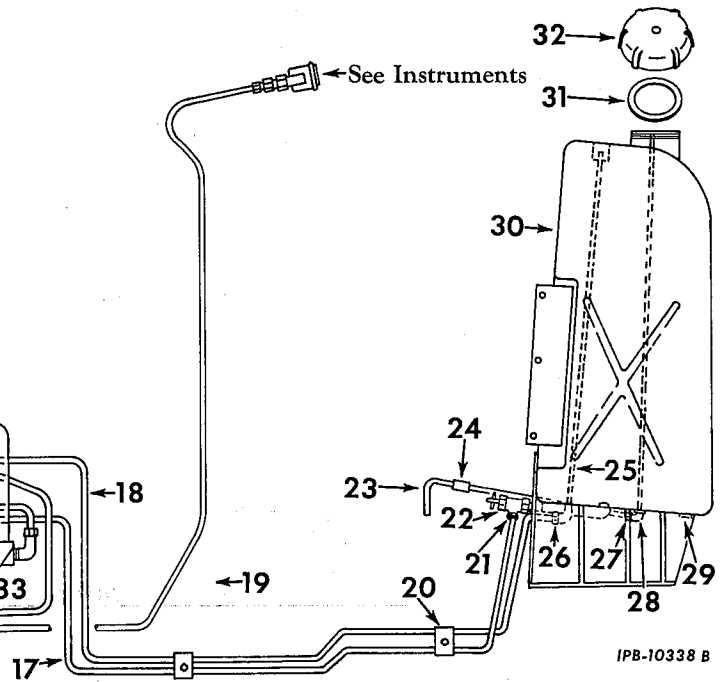
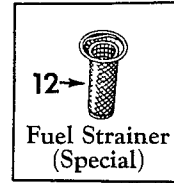
### FUEL SYSTEM

FUEL AND GASOLINE STRAINERS, FUEL AND GASOLINE TANKS AND PIPING (†)



### FUEL SYSTEM

FUEL AND GASOLINE STRAINERS, FUEL AND GASOLINE TANKS AND PIPING (†) - CONTINUED



IPB-10338 B

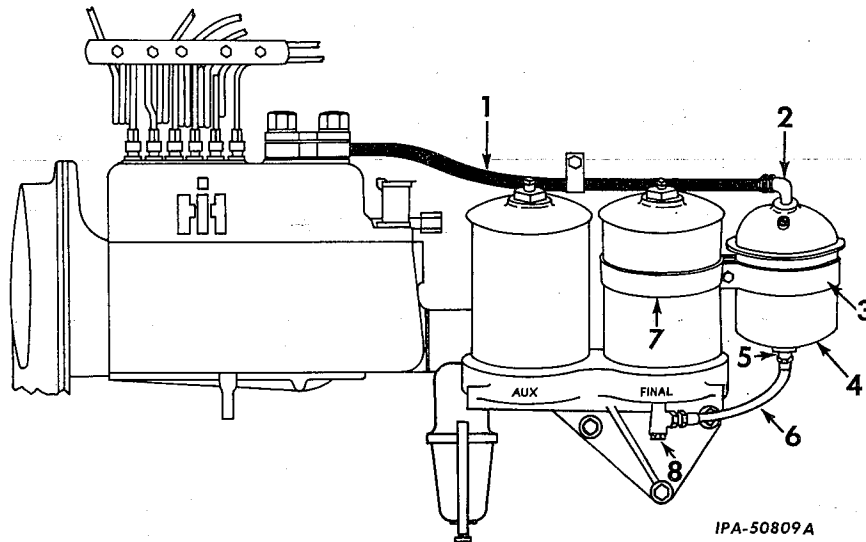
| REF. NO. | I. H. PART NUMBER | DESCRIPTION   |
|----------|-------------------|---|
| 1        | 259 403 R91       | STEM, strainer (44801-7)  |
| 2        | 355 141 R91       | BODY w/BAFFLE strainer (45012-2)  |
| 3        | 49 923 D          | SCREEN, strainer (32278-B)  |
| 4        | 360 679 R1        | GASKET, strainer (corpreno) (4502-3)                                      |
| 5        | 357 958 R1        | BOWL, strainer (heat resistant glass) (45241-1)                           |
| 6        | 50 061 D          | NUT, strainer (62560)   |
| 7        | 49 947 D          | BAIL, strainer (32279)  |
| 8        | 369 988 R91       | STRAINER ASSEMBLY, gasoline (will work for 355 142 R92)<br>(Composed of - |
|          | 1                 | BAIL 49 947 D   |
|          | 1                 | BODY 355 141 R91  |
|          | 1                 | BOWL 357 958 R1   |
|          | 1                 | GASKET 360 679 R1   |
|          | 1                 | NUT 50 061 D  |
|          | 1                 | NUT 369 989 R1  |
|          | 1                 | SCREEN 49 923 D   |
|          | 1                 | STEM 259 403 R91)   |

| REF. NO. | I. H. PART NUMBER | DESCRIPTION   |
|----------|-------------------|---|
| 9        | 23 995 DC         | CAP w/GASKET, 23 977 DB, gasoline tank filler   |
| 10       | 23 977 DB         | GASKET, gasoline tank filler cap  |
| 11       | 304 226 R91       | TANK w/CAP, 23 995 DC and GASKET, 23 977 DB, ASSEMBLY, gasoline<br>3/8" NUT (4)<br>3/8 x 3/8" hex-hd. cap SCREW (4)<br>3/8" lock WASHER (4) |
| 12       | 266 337 R91       | ATTACHMENT, fuel strainer (Consist of STRAINER and GASKET, 303 962 R1) (See NOTES 1 and 3)  |
| 13       | 369 989 R1        | NUT, gasoline tank to carburetor coupling (2)   |
| 14       | 322 021 R1        | TUBE, gasoline tank to carburetor (TD-151M-4001 Up)   |
| 14       | 304 228 R1        | TUBE, gasoline tank to carburetor (TD-150M-501 to 4000)   |
|          |                   | NOTE 1 - Factory Application - Order on Machine Order Form.   |
|          |                   | NOTE 3 - Field Application - Order through Regular Service Parts Channels.  |
|          |                   | (†) - Piping for engine refer to "Fuel System"  |

# FUEL SYSTEM

| REF. NO.   | I.H. PART NUMBER | DESCRIPTION   |
|--|------------------|---|
| <b>FUEL AND GASOLINE STRAINERS, FUEL AND GASOLINE TANKS AND PIPING (†) - CONTINUED</b> |                  |   |
| 15   | 278 953 R91      | NUT, fuel inlet tube elbow (fuel filter end)  |
| 16   | 37 323 D         | ELBOW, fuel inlet tube (fuel filter end)  |
| 17   | 305 265 R1       | TUBE, fuel inlet  |
| 18   | 305 264 R1       | TUBE, fuel return   |
| 19   | 322 054 R1       | TUBE, fuel pressure gauge to fuel filter (also listed in "Instrument Section" of this catalog (TD-151M-4001 Up)               |
| 19   | 305 263 R1       | TUBE, fuel pressure gauge to fuel filter (also listed in "Instrument Section" of this catalog.) (TD-150M-501 to 4000)         |
| 20   | 42 385 D         | CLAMP, fuel tube (4)<br>3/8NF NUT<br>3/8 x 1-3/4" hex-hd. cap SCREW<br>3/8 x 1-1/2" hex-hd. cap SCREW<br>3/8" lock WASHER (2) |
| 21   | 278 953 R91      | NUT, fuel shut-off needle valve   |
| 22   | 305 509 R91      | BODY, fuel shut-off needle valve  |
| 23   | 272 437 R2       | TUBE, fuel tank overflow and vent   |
| 24   | 272 245 R1       | CLIP, fuel tank overflow and vent connecting tube   |

## WATCH DOG FUEL FILTER



| REF. NO. | I.H. PART NUMBER | DESCRIPTION  |
|----------|------------------|--|
|          | 306 149 R91      | ATTACHMENT, watch dog fuel filter (Consists of the following parts) (See NOTES 1 and 3)        |
| 1        | 277 256 R91      | HOSE, watch dog filter to injection pump   |
| 2        | 120 499          | ELBOW, watch dog filter outlet   |
| 3        | 277 027 R2       | BRACKET, watch dog filter<br>5/16" NUT<br>5/16 x 2-3/4" hex-hd. cap SCREW<br>5/16" lock WASHER |
| 4        | 277 025 R92      | FILTER, watch dog fuel   |

# FUEL SYSTEM

| REF. NO.   | I.H. PART NUMBER | DESCRIPTION  |
|--|------------------|--|
| <b>FUEL AND GASOLINE STRAINERS, FUEL AND GASOLINE TANKS AND PIPING (†) - CONTINUED</b> |                  |  |
| 25   | 304 229 R91      | PIPE, fuel return stand  |
| 26   | 278 953 R91      | NUT, fuel return tube (in standpipe elbow)   |
| 27   | 369 989 R1       | NUT, fuel tank overflow and vent tube  |
| 28   | 18 509 R1        | ELBOW, fuel tank overflow and vent tube  |
| 29   | 103 880          | PLUG, 1/2" sq-hd fuel tank drain (stl.)  |
| 30   | 306 220 R91      | TANK w/CAP, 305 798 R11, PIPE, 304 229 R91 and PLUG, 103 880 ASSEMBLY fuel<br>1/2 x 3/4" hex-hd. cap SCREW (6)<br>1/2 x 1-1/4" hex-hd. cap SCREW (2)<br>1/2" lock WASHER (8) |
| 31   | 305 799 R1       | RING, fuel tank filler cap sealing   |
| 32   | 305 798 R11      | CAP w/RING, 305 799 R1, fuel tank filler   |
| 33   | 444 148          | TEE, final fuel filter outlet  |
| 34   | 252 374 R1       | ELBOW, fuel oil pressure gauge tube (engine end)   |
|  | 303 962 R1       | GASKET, fuel strainer (used with attachment 266 337 R91)   |

(†)Piping for engine refer to "Fuel System"

## WATCH DOG FUEL FILTER - CONTINUED

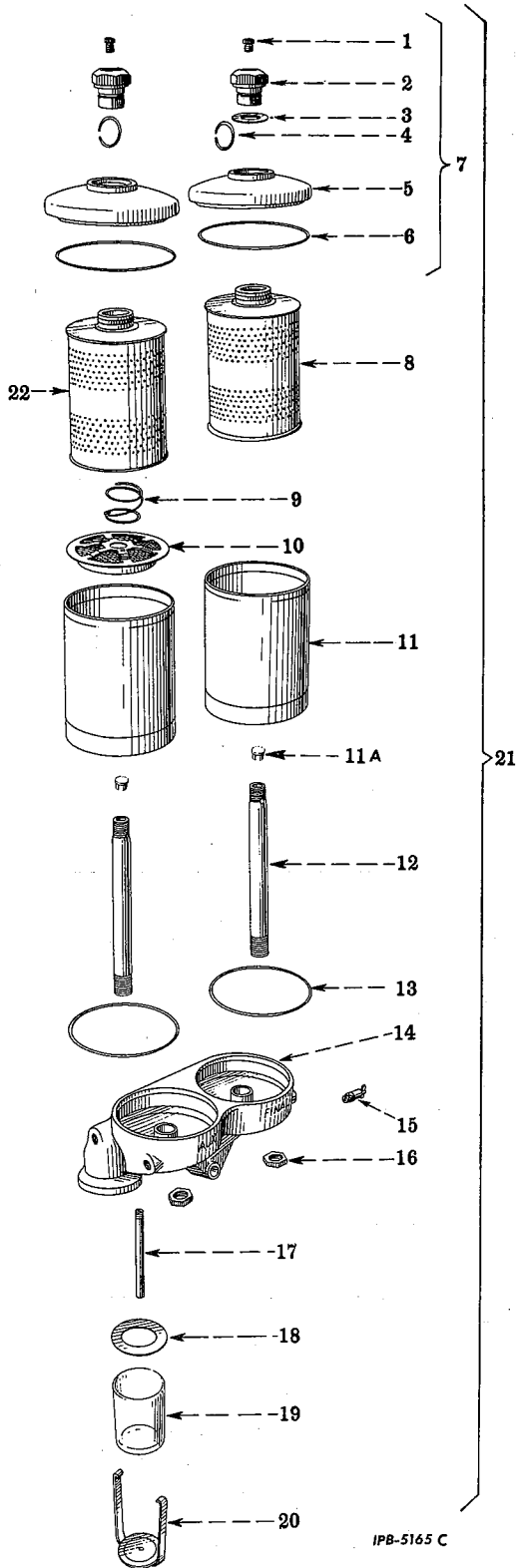
| REF. NO. | I.H. PART NUMBER | DESCRIPTION                                       |
|----------|------------------|---|
| 5        | 270 981 R1       | ELBOW, filter inlet                               |
| 6        | 277 041 R91      | HOSE, final filter to watch dog filter            |
| 7        | 277 026 R2       | BRACKET, watch dog filter to final filter         |
| 8        | 37 323 D         | TEE, final filter outlet (not part of attachment) |

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



FUEL SYSTEM

FUEL FILTER  
(Dual)



IPB-5165 C

FUEL SYSTEM

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

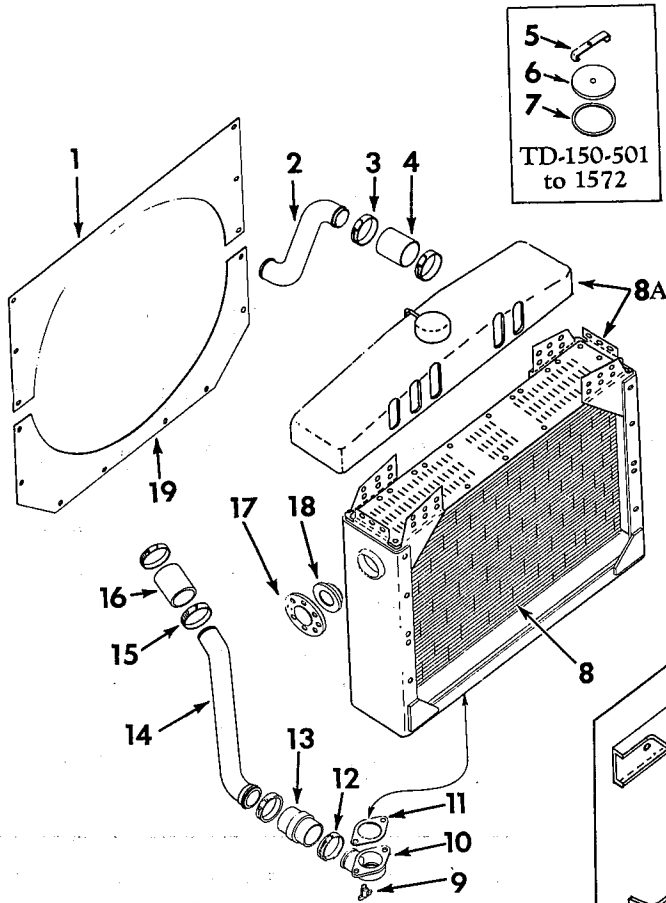
FUEL FILTER - CONTINUED  
(Dual)

|     |             |   |
|-----|-------------|---|
| 1   | 275 634 R1  | BLEEDER, fuel filter (2)  |
| 2   | 276 069 R1  | NUT, fuel filter cover (2)  |
| 3   | 261 535 R1  | GASKET, fuel filter cover nut (2)   |
| 4   | 260 705 R1  | RING, retaining fuel filter cover nut (2)   |
| 5   | 261 192 R91 | COVER, fuel filter case (2)   |
| 6   | 260 839 R1  | GASKET, fuel filter case cover (2)  |
| 7   | 261 193 R91 | COVER ASSEMBLY, fuel filter case (2)<br>(Composed of -  |
|     | 1           | BLEEDER 275 634 R1  |
|     | 1           | COVER 261 192 R91   |
|     | 1           | GASKET 260 839 R1   |
|     | 1           | GASKET 261 535 R1   |
|     | 1           | NUT 276 069 R1  |
|     | 1           | RING 260 705 R1)  |
| 8   | 323 960 R91 | PACKAGE, final fuel filter element field service (paper) (Consists of ELEMENT, and GASKET, 260 839 R1)  |
| 9   | 260 707 R1  | SPRING, water separator screen  |
| 10  | 260 706 R91 | SCREEN, water separator   |
| 11  | 260 699 R1  | CASE, fuel filter (2)   |
| 11A | 277 475 R1  | PLUG, fuel filter stud (2)  |
| 12  | 260 700 R1  | STUD, fuel filter case (2)  |
| 13  | 260 710 R2  | RING, fuel filter case seal (2)   |
| 14  | 260 698 R21 | BASE w/STUD, 260 700 R1 fuel filter   |
| 15  | 9 982 T     | VALVE, fuel filter drain (2)  |
| 16  | 260 701 R2  | NUT, fuel filter case stud lock (2)   |
| 17  | 260 709 R1  | PIPE, water trap drain  |
| 18  | 260 708 R2  | GASKET, water trap bowl   |
| 19  | 60 877 D    | GLASS, water trap   |
| 20  | 60 878 DX   | BAIL, water trap  |
| 21  | 260 712 R91 | FILTER ASSEMBLY, fuel<br>1/2" NUT (3)<br>1/2 x 2-3/4" hex-hd. cap SCREW (3)<br>1/2" lock WASHER (3)   |
| 22  | 323 960 R91 | PACKAGE, auxiliary fuel filter field service (paper) (Consists of ELEMENT and GASKET, 260 839 R1) (required when used in areas where plugging of filter is not encountered) |
| 22  | 279 979 R91 | ELEMENT, auxiliary fuel filter field service (cotton) (required when used in areas where plugging of filter is encountered)   |



### COOLING SYSTEM

RADIATOR AND CONNECTIONS  
(TD-15-150 Series)



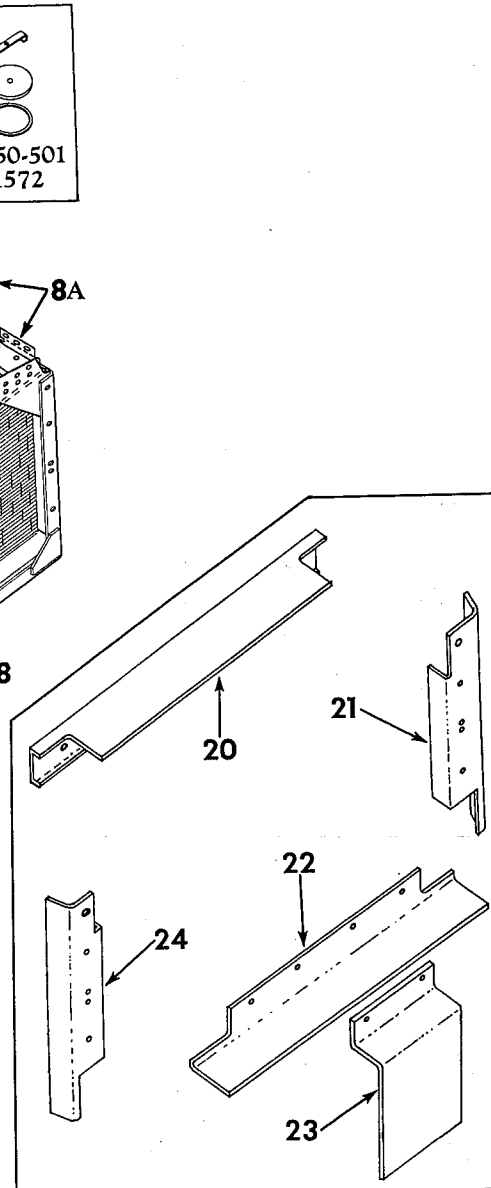
IPB-9374D

| REF. NO. | I.H. PART NUMBER | DESCRIPTION  |
|----------|------------------|--|
| 1        | 322 451 R91      | SHROUD, upper fan (\$)   |
| 1        | 304 287 R1       | SHROUD, upper fan (not \$)<br>3/8 x 1/2" hex-hd cap SCREW (2)<br>5/16NF x 1/2" hex-hd cap SCREW (4)<br>5/16" lock WASHER (4)<br>3/8" lock WASHER (2)<br>11/32 x 11/16 x 16 ga WASHER (4)<br>13/32 x 13/16 x 16 ga WASHER (2) |
| 2        | 304 290 R1       | PIPE, radiator inlet   |
| 3        | 274 088 R91      | CLAMP, radiator inlet hose (4)   |



### COOLING SYSTEM

RADIATOR AND CONNECTIONS - CONTINUED  
(TD-15-150 Series)



| REF. NO. | I.H. PART NUMBER | DESCRIPTION   |
|----------|------------------|---|
| 4        | 276 915 R2       | HOSE, radiator inlet (\$)   |
| 4        | 304 223 R1       | HOSE, radiator inlet (not \$) (2)                                     |
| 5        | 303 856 R1       | CLAMP, radiator cap TD-150-501 to 1572<br>3/8 x 3/4" hex-hd cap SCREW |
| 6        | 303 855 R11      | CAP w/GASKET, 266 865 R1, radiator<br>TD-150-501 to 1572              |
| 7        | 266 865 R1       | GASKET, radiator cap TD-150-501 to 1572                               |

\$ - Part of Increased Cooling ATTACHMENT, 322 450 R91.



### COOLING SYSTEM

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

RADIATOR AND CONNECTIONS - CONTINUED  
(TD-15-150 Series)

|    |             |  |
|----|-------------|--|
| 8  | 274 426 R94 | CORE, radiator (not used with increased cooling)   |
| 8  | 348 168 R91 | CORE, radiator (%)   |
| 8A | 303 857 R91 | RADIATOR ASSEMBLY (order Radiator, 303 854 R95, CLIP, 300 916 R1, HOSE, 307 345 R1 and TUBE, 307 373 R1) (not used with outboard fan)<br>(Composed of -<br>1 CAP 303 855 R11<br>1 CLAMP 303 856 R1<br>1 NECK 274 407 R1<br>§1 TANK ) |
| 8A | 308 854 R95 | RADIATOR w/TANK (not used with outboard fan) (together with CLIP, 300 916 R1, HOSE, 307 345 R1 and TUBE, 307 373 R1 will work for 303 857 R91) (not used with increased cooling)   |
| 8A | 322 389 R91 | RADIATOR w/TANK (%)  |
| 8A | 322 390 R91 | RADIATOR w/TANK (†)  |
| 8A | 322 391 R91 | RADIATOR w/TANK (\$)   |
| 9  | 31 729 D    | VALVE, radiator outlet elbow drain   |
| 10 | 305 254 R1  | ELBOW, radiator outlet<br>3/8 x 1" hex-hd cap SCREW (2)<br>3/8" lock WASHER (2)  |
| 11 | 274 395 R1  | GASKET, radiator outlet elbow  |
| 12 | 274 089 R91 | CLAMP, radiator outlet hose (2)  |
| 13 | 48 918 DA   | HOSE, radiator outlet (not \$)   |
| 13 | 58 058 DAM  | HOSE, radiator outlet (\$)   |
| 14 | 320 341 R1  | PIPE, engine inlet (†)   |
| 14 | 304 241 R1  | PIPE, engine inlet (not †)   |
| 15 | 274 088 R91 | CLAMP, engine inlet pipe hose (not †) (2)  |
| 15 | 274 089 R91 | CLAMP, engine inlet pipe hose (†) (2)  |
| 16 | 48 918 DA   | HOSE, engine inlet pipe (†)  |
| 16 | 50 531 DA   | HOSE, engine inlet pipe (not †)  |
| 17 | 311 218 R1  | BRACKET, radiator mounting (will work for 274 286 R2) (4)  |
|    | 311 219 R1  | BOLT, radiator mounting (16)   |
| 18 | 274 287 R2  | MOUNTING, radiator rubber (4)  |
| 19 | 322 452 R91 | SHROUD, lower fan (\$)   |
| 19 | 304 288 R1  | SHROUD, lower fan (not \$)<br>5/16NF x 1/2" hex-hd cap SCREW (8)<br>5/16" lock WASHER (8)<br>11/32 x 11/16 x 16 ga WASHER (8)  |
| 20 | 322 393 R1  | BAFFLE, radiator top (%) (†)   |
| 20 | 322 454 R1  | BAFFLE, radiator top (\$)<br>3/8 x 1/2" hex-hd cap SCREW (4)<br>3/8" lock WASHER (4)   |
| 21 | 322 394 R1  | BAFFLE, radiator LH side (%) (†) (\$)<br>5/16NF x 1/2" hex-hd cap SCREW (4)<br>5/16" lock WASHER (4)   |
| 22 | 322 396 R1  | BAFFLE, radiator bottom (%) (†)  |
| 22 | 322 455 R1  | BAFFLE, radiator bottom (\$)<br>5/16NF x 1/2" hex-hd cap SCREW (4)<br>5/16" lock WASHER (4)  |



### COOLING SYSTEM

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

RADIATOR AND CONNECTIONS - CONTINUED  
(TD-15-150 Series)

|    |             |  |
|----|-------------|--|
| 23 | 322 397 R1  | BAFFLE, radiator center (%) (†)  |
| 23 | 322 456 R1  | BAFFLE, radiator center (\$)<br>5/16NF x 1/2" hex-hd cap SCREW (2)<br>5/16" lock WASHER (2)          |
| 24 | 322 395 R1  | BAFFLE, radiator RH side (%) (†) (\$)<br>5/16NF x 1/2" hex-hd cap SCREW (4)<br>5/16" lock WASHER (4) |
|    | 322 457 R91 | BRACKET, radiator mounting offset (4)  |
|    | 274 407 R2  | NECK, radiator TD-150-501 to 1572  |

% - Part of Increased Cooling ATTACHMENT, 322 392 R91.  
† - Part of Increased Cooling ATTACHMENT, 322 399 R91.  
\$ - Part of Increased Cooling Attachment, 322 450 R91.  
§ - Not Furnished Separately



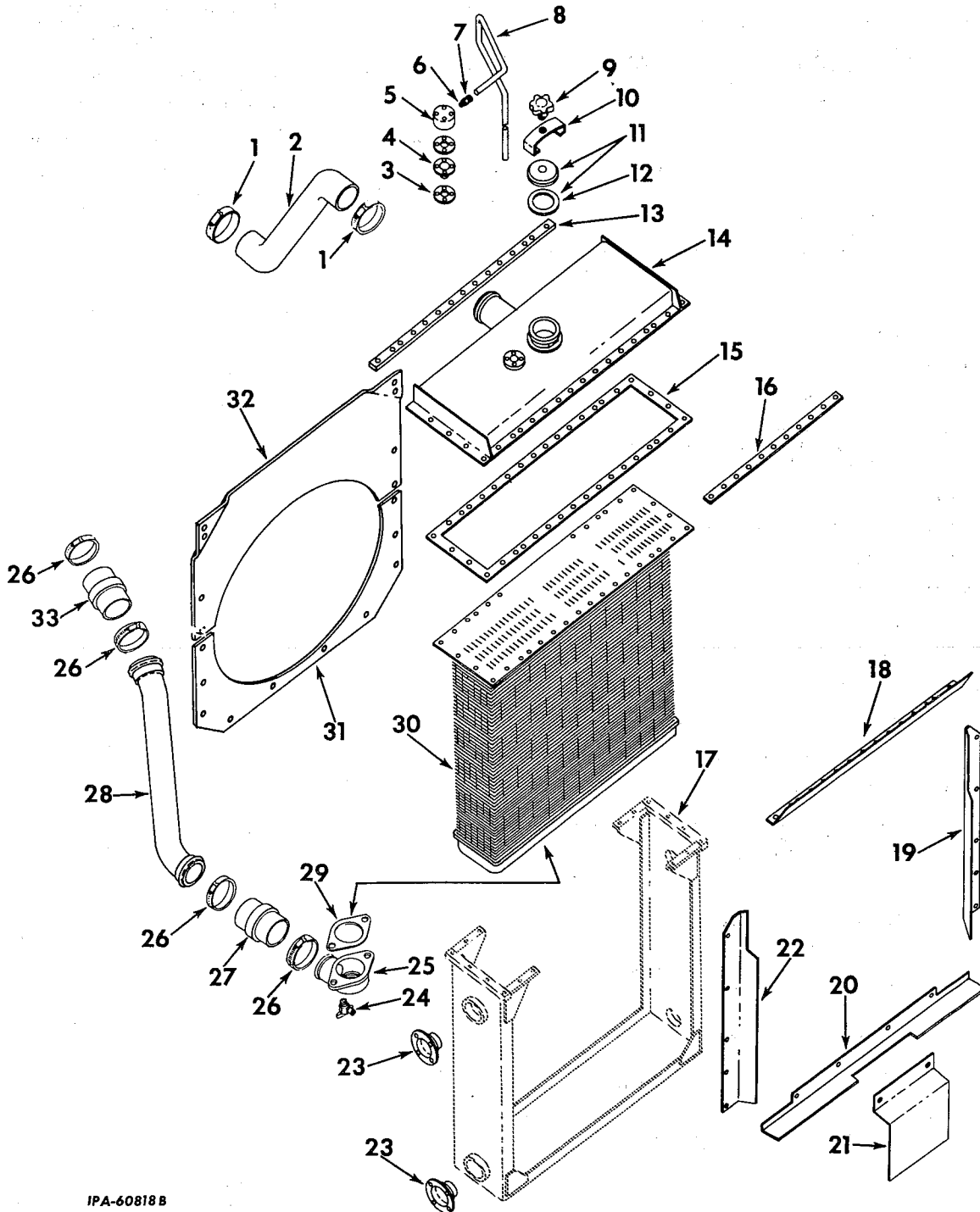
# COOLING SYSTEM

RADIATOR AND CONNECTIONS  
(TD-15-151 Series)



# COOLING SYSTEM

RADIATOR AND CONNECTIONS - CONTINUED  
(TD-15-151 Series)



IPA-60818 B



## COOLING SYSTEM

| REF. NO.   | I.H. PART NUMBER                       | DESCRIPTION   |
|--|--|---|
| RADIATOR AND CONNECTIONS - CONTINUED<br>(TD-15-151 Series) |  |   |
| 1  | 274 088 R91                            | CLAMP, radiator inlet pipe (2)  |
| 2  | 322 000 R1                             | PIPE, radiator inlet  |
| 3  | 320 391 R1                             | GASKET, radiator pressure relief valve (2)  |
| 4  | 321 149 R91                            | VALVE, radiator pressure relief   |
| 5  | 320 390 R1                             | HOUSING, radiator pressure relief valve<br>3/8 x 2" hex-hd cap SCREW (4)<br>3/8" lock WASHER (4)  |
| 6  | 95 552 R1                              | BODY, radiator overflow pipe (optional with<br>324 005 R1)  |
| 6  | 324 005 R1                             | BODY, radiator overflow pipe (optional with<br>95 552 R1)   |
| 7  | 120 131<br>120 130                     | NUT, radiator overflow pipe coupling<br>SLEEVE, 1/2" OD tubing  |
| 8  | 322 009 R1<br>274 239 R1               | PIPE, radiator overflow (not -)<br>CLIP, radiator overflow pipe   |
| 8  | 322 655 R1                             | PIPE, radiator overflow (-)   |
| 9  | 262 603 R11                            | HANDLE, radiator filler cap clamp   |
| 10   | 259 603 R91                            | CLAMP, radiator filler cap  |
| 11   | 259 599 R91                            | CAP w/GASKET, 259 598 R2, radiator filler   |
| 12   | 259 598 R2                             | GASKET, radiator cap  |
| 13   | 322 006 R1                             | BAR, radiator upper water tank mounting   |
| 14   | 322 001 R91                            | TANK, radiator upper water<br>3/8" NUT (13)<br>3/8 x 1" hex-hd cap SCREW (25)<br>3/8 x 1-1/8" hex-hd cap SCREW (9)<br>3/8" lock WASHER (34) |
| 15   | 322 008 R1                             | GASKET, radiator upper water tank   |
| 16   | 322 007 R1                             | STIFFENER, upper radiator core (2)  |
| 17   |  | FRAME (Not Furnished Separately)  |
| 18   | 322 058 R1                             | BAFFLE, radiator air flow top   |
| 19   | 322 059 R1                             | BAFFLE, LH radiator air flow  |
| 20   | 322 061 R1                             | BAFFLE, bottom radiator air flow (not %)  |
| 20   | 322 525 R1                             | BAFFLE, bottom radiator air flow (%)  |
| 21   | 322 062 R1                             | BAFFLE, radiator air flow bottom center<br>(not %)  |
| 21   | 322 456 R1                             | BAFFLE, radiator air flow bottom center (%)   |
| 22   | 322 060 R1                             | BAFFLE, RH radiator air flow  |
| 23   | 311 218 R1<br>311 219 R1<br>274 287 R2 | BRACKET, radiator mounting (4)<br>BOLT, radiator mounting (16)<br>MOUNTING, radiator rubber (4)   |
| 24   | 31 729 D                               | VALVE, radiator drain   |
| 25   | 305 254 R1                             | ELBOW, radiator outlet<br>3/8 x 1" hex-hd cap SCREW (2)<br>3/8" lock WASHER (2)   |
| 26   | 274 089 R91                            | CLAMP, radiator outlet hose (4)   |
| 27   | 48 918 DA                              | HOSE, radiator outlet (not %)   |
| 27   | 58 058 DAM                             | HOSE, radiator outlet (%)   |
| 28   | 320 341 R1                             | PIPE, engine inlet  |



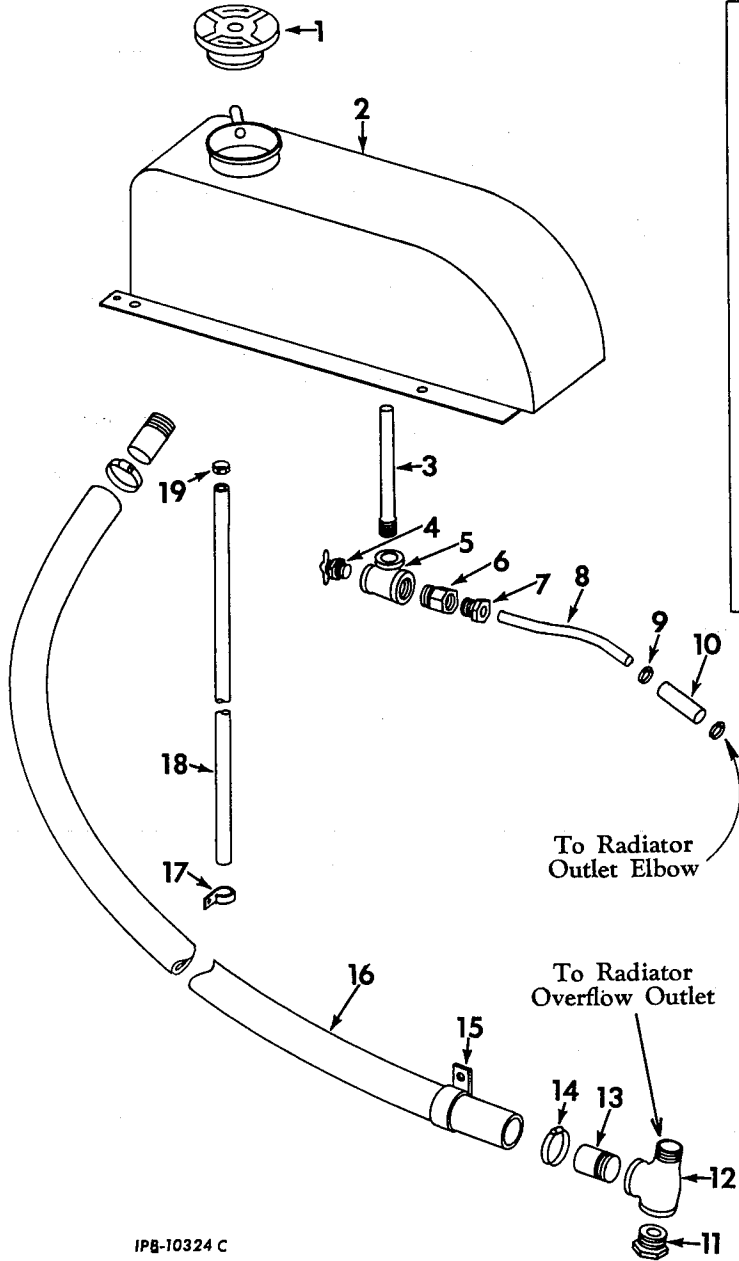
## COOLING SYSTEM

| REF. NO.   | I.H. PART NUMBER | DESCRIPTION  |
|--|------------------|--|
| RADIATOR AND CONNECTIONS - CONTINUED<br>(TD-15-151 Series)   |                  |  |
| 29   | 274 395 R1       | GASKET, radiator outlet elbow  |
| 30   | 348 093 R91      | CORE, radiator (not %)   |
| 30   | 348 192 R91      | CORE, radiator (%)   |
| 31   | 322 011 R21      | SHROUD, lower fan<br>3/8NF x 1/2" hex-hd cap SCREW (10)<br>3/8" lock WASHER (10)<br>13/32 x 13/16" x 16 ga flat WASHER<br>(10) |
| 32   | 322 010 R21      | SHROUD, upper fan<br>3/8NF x 1/2" hex-hd cap SCREW (8)<br>3/8" lock WASHER (8)<br>13/32 x 13/16" x 16 ga flat WASHER (8)       |
| 33   | 48 918 DA        | HOSE, engine inlet   |
|  | 322 457 R91      | BRACKET, radiator mounting offset (%) (4)  |
| (%) - Part of Increased Cooling<br>ATTACHMENT, 322 527 R91.<br>(-) - Used on Paywelder and Backfiller<br>Equipment Combinations. |                  |  |



## COOLING SYSTEM

RADIATOR AUXILIARY TANK AND CONNECTIONS  
(TD-15-150 Series)



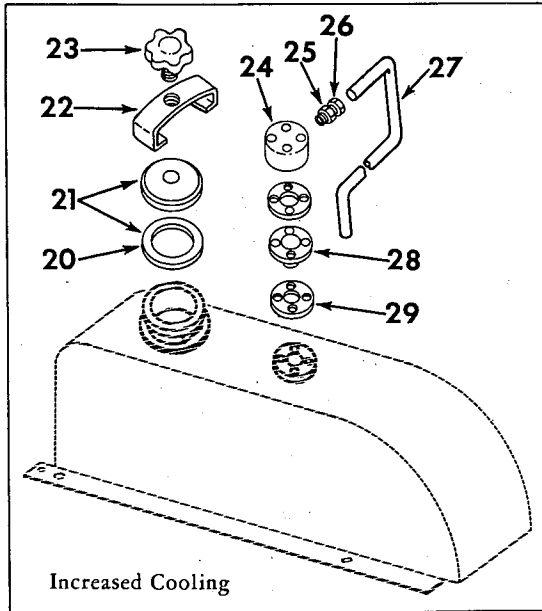
IPB-10324 C

| REF. NO. | I. H. PART NUMBER | DESCRIPTION  |
|----------|-------------------|--|
| 1        | 310 715 R91       | CAP, radiator auxiliary tank pressure (will work for 274 236 R91)                              |
| 2        | 303 866 R91       | TANK w/CAP, 274 236 R91 radiator auxiliary 3/8 x 1" hex-hd. cap SCREW (4) 3/8" lock WASHER (4) |
| 3        | 303 867 R11       | PIPE, radiator auxiliary tank stand  |



## COOLING SYSTEM

RADIATOR AUXILIARY TANK AND CONNECTIONS - CONTINUED  
(TD-15-150 Series)



| REF. NO. | I. H. PART NUMBER | DESCRIPTION  |
|----------|-------------------|--|
| 4        | 31 729 D          | VALVE, radiator auxiliary tank drain                       |
| 5        | 179 615           | TEE, radiator auxiliary tank stand pipe (1/2 x 3/8 x 1/2") |
| 6        | 18 506 R1         | CONNECTOR, radiator to auxiliary tank tube                 |
| 7        | 37 288 H          | NUT, radiator to auxiliary tank tube connector             |



## COOLING SYSTEM

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

### RADIATOR AUXILIARY TANK AND CONNECTIONS - CONTINUED (TD-15-150 Series)

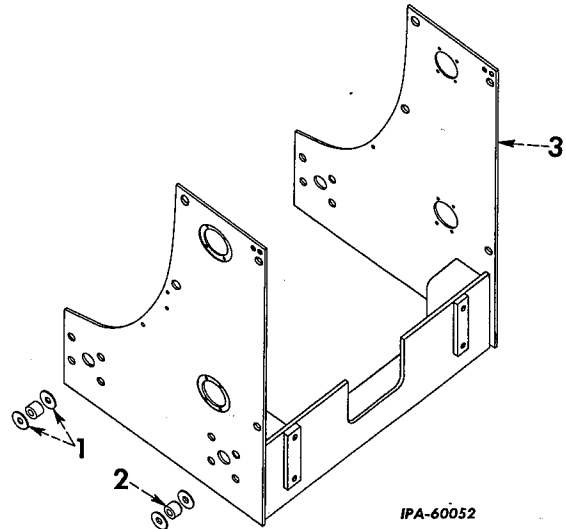
|    |             |   |
|----|-------------|---|
| 8  |             | TUBE, radiator to auxiliary tank TD-150-501 to 1572<br>(order the following parts -<br>1 CLIP 300 916 R1<br>1 HOSE 307 345 R1<br>1 TUBE 307 373 R1)<br>(will work for 305 252 R1) |
| 8  | 307 373 R1  | TUBE, radiator to auxiliary tank (TD-150-1573 to 4000)  |
| 9  | 274 085 R91 | CLAMP, radiator auxiliary tank overflow tube hose   |
| 10 | 307 345 R1  | HOSE, radiator overflow pipe (8" long) (will work for 278 572 R1)   |
| 11 | 142 263     | BUSHING, radiator outlet elbow service tee reducing pipe (1 x 3/8")   |
| 12 | 305 122 R1  | TEE, radiator outlet elbow service (1")   |
| 13 | 303 870 R1  | NIPPLE, radiator auxiliary tank outlet (2)  |
| 14 | 274 087 R91 | CLAMP, radiator auxiliary tank to engine inlet pipe hose (2)  |
| 15 | 279 135 R1  | CLIP, radiator auxiliary tank to engine inlet pipe (mounted on forward bolt of rear valve cover)  |
| 16 | 305 253 R1  | HOSE, radiator auxiliary tank to engine inlet pipe  |
| 17 | 267 788 R91 | CLIP, radiator auxiliary tank overflow tube hose (mounted to capscrew on LH side of dash)   |
| 18 | 303 868 R1  | HOSE, radiator auxiliary tank overflow tube   |
| 19 | 274 085 R91 | CLAMP, radiator overflow pipe connecting hose   |
| 20 | 259 598 R2  | GASKET, auxiliary tank filler cap (*)   |
| 21 | 259 599 R91 | CAP w/GASKET, 259 598 R2, auxiliary tank filler (*)   |
| 22 | 259 603 R91 | CLAMP, auxiliary tank filler cap (*)  |
| 23 | 262 603 R11 | HANDLE, auxiliary tank filler cap clamp (*)   |
| 24 | 320 390 R1  | HOUSING, pressure relief valve (*)<br>3/8 x 2" hex-hd cap SCREW (4)<br>3/8" lock WASHER (4)   |
| 25 | 18 506 R1   | CONNECTOR, auxiliary tank overflow tube (*)   |
| 26 | 371 217 R1  | NUT, auxiliary tank overflow tube connector (*)   |
| 27 | 322 398 R1  | TUBE, auxiliary tank overflow (*)   |
| 28 | 321 149 R91 | VALVE, pressure relief (*)  |
| 29 | 320 391 R1  | GASKET, pressure relief valve (*)   |
|    | 300 916 R1  | CLIP, (TD-150-1573 to 4000)   |
|    | 274 407 R2  | NECK, radiator auxiliary tank filler  |

(\*) - Part of Increased Cooling ATTACHMENTS, 322 392 R91, 322 399 R91 and 322 450 R91.



## COOLING SYSTEM

### RADIATOR MOUNTING FRAME

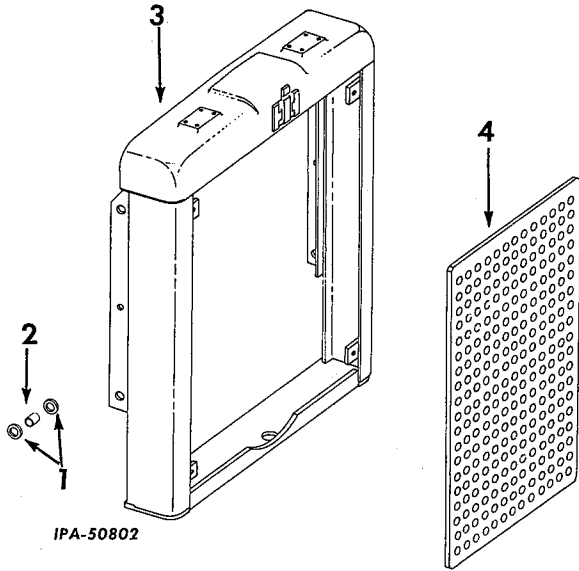


| REF. NO. | I.H. PART NUMBER | DESCRIPTION  |
|----------|------------------|--|
| 1        | 274 289 R1       | RETAINER, radiator mounting frame dowel (4)<br>1/2" NUT (4)<br>1/2 x 1-1/4" hex-hd cap SCREW (4)<br>1/2" lock WASHER (4) |
| 2        | 274 288 R1       | DOWEL, radiator mounting frame (4)   |
| 3        | 314 017 R91      | FRAME, radiator mounting (will work for 304 266 R91) (TD-150 501 to 2606)  |
| 3        | 307 646 R91      | FRAME, radiator mounting (TD-150 2607 to 4000)   |
| 3        | 322 055 R91      | FRAME, radiator mounting (TD-151-4001 up)<br>7/8" NUT (16)<br>7/8 x 1-1/4" hex-hd cap SCREW (16)                         |



## COOLING SYSTEM

**RADIATOR GUARD (TD-15-150 SERIES)**  
 (For use with machines equipped with radiator mounting Frame 304 266 R91 or 314 017 R91)(not used with equipment combination TD-15-420-1)



IPA-50802

| REF. NO. | I.H. PART NUMBER | DESCRIPTION   |
|----------|------------------|---|
|          | 304 274 R91      | ATTACHMENT, radiator guard (Consists of the following parts) (See NOTE 3)   |
| 1        | 303 667 R1       | RETAINER, radiator guard spacer (8)<br>3/8 x 3/4" hex-hd. cap SCREW (8)   |
|          | 274 918 R1       | WASHER, hood (8)<br>3/8" lock WASHER (8)  |
| 2        | 303 666 R1       | SPACER, radiator guard mounting (4)   |
| 3        | 304 325 R91      | GUARD, radiator (order radiator GUARD, 309 252 R91 and installation drawing, IZG-4702)<br>3/4" NUT (4)<br>3/4 x 2" hex-hd cap SCREW (4) |
| 4        | 304 331 R1       | DOOR, radiator guard grille (order PACKAGE, 320 356 R91)<br>1/2 x 1" hex-hd cap SCREW (4)<br>1/2" lock WASHER (4)                       |
|          | IZG 4540         | DRAWING, radiator guard door installation   |
|          | IZG 4702         | DRAWING, radiator guard installation  |
|          | 320 356 R91      | PACKAGE, radiator guard door field service (Consists of -   |
|          | 1                | DOOR 307 679 R21  |
|          | 1                | DOOR 307 680 R21  |
|          | 1                | DRAWING IZG 4540  |
|          | §4               | PIN   |
|          | 2                | PIN 299 842 R1  |
|          | 2                | PIN 517 843 R1 )  |

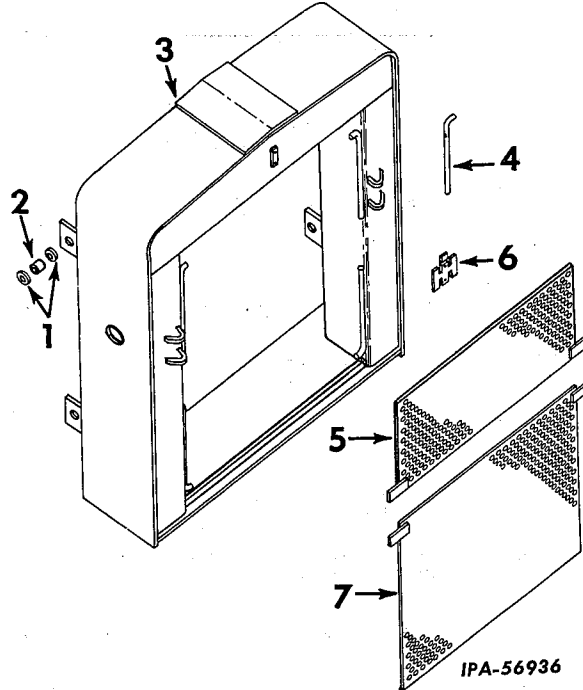
NOTE 3 - Field Application - Order through Regular Service Parts Channels.

§ - Not Furnished Separately



## COOLING SYSTEM

**RADIATOR GUARD (TD-15-150 Series)**  
 (Not used with equipment combination TD-15-420-1)(For use with machines equipped with radiator mounting frame 307 646 R91)



IPA-56936

| REF. NO. | I.H. PART NUMBER | DESCRIPTION   |
|----------|------------------|---|
|          | 307 688 R91      | ATTACHMENT, radiator guard (for use with machines equipped with radiator mounting frame 307 646 R91) (See NOTE 3) (Consists of the following parts) |
| 1        | 303 667 R1       | RETAINER, radiator guard mounting dowel (8)<br>3/4" NUT (4)<br>3/4 x 2-1/2" hex-hd. cap SCREW (4)   |
| 2        | 311 140 R1       | SPACER, radiator guard mounting (4)   |
| 3        | 309 252 R91      | GUARD, radiator   |
| 4        | 299 842 R1       | PIN, radiator guard door latch (2)  |
| 5        | 307 680 R21      | DOOR, radiator guard upper  |
| 6        | 311 263 R1       | EMBLEM, "I.H."<br>No. 4 x 1/4" drive SCREW (2)  |
| 7        | 307 679 R21      | DOOR, radiator guard lower  |
|          | 517 843 R1       | PIN, Q. A. cotter (2)   |





## COOLING SYSTEM

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

### RADIATOR CABLE GUARD CONVERSION PACKAGE

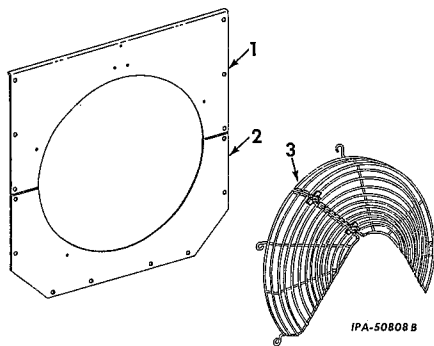
(X) - KEY TO UNITS -

- A- 311 097 R91 PACKAGE, radiator cable guard conversion field service (for converting radiator guard, 309 252 R91 into a front cable control unit guard)(use four-part reeving and four-part cable control controls in conjunction with this conversion package)
- B- 311 098 R91 PACKAGE, radiator cable guard conversion field service (for converting radiator guard, 309 252 R91 into a rear cable control unit guard) (use four-part reeving in conjunction with this conversion package)

(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.

- 307 681 R11 DOOR, radiator guard lower (Unit A)
- 303 669 R1 DOWEL, radiator guard mounting (4)
- FRAME, corner sheave (not furnished separately)
- FRAME, side sheave (not furnished separately) (Unit B)
- GUARD, control shaft (not furnished separately)(Unit A)
- PLATE, control tube collar (not furnished separately)(Unit A)
- 303 667 R1 RETAINER, door (8)  
3/4" NUT (4)  
3/4 x 2-1/2" hex-hd. cap SCREW (4)
- SUPPORT, upper sheave block (not furnished separately)
- TUBE, control (not furnished separately) (Unit A)

### FAN GUARD



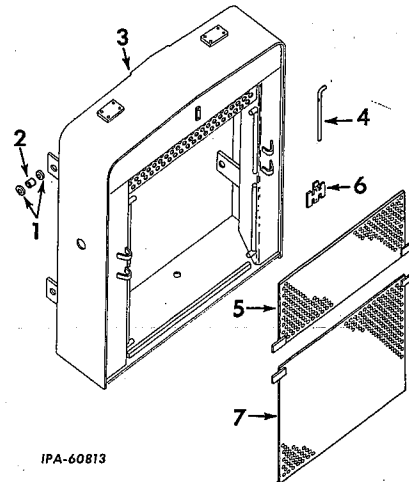
## COOLING SYSTEM

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

### FAN GUARD - CONTINUED

- 322 197 R92 ATTACHMENT, fan guard (Consists of Ref. No. 3) (TD-15-151 Series) (See NOTES 1 and 3)
- 304 561 R92 ATTACHMENT, fan guard (Consists of reference 1 thru 3 inclusive) (TD-15-150 Series) (See NOTE 3)
- 1 304 562 R11 SHROUD, upper fan
- 2 304 563 R11 SHROUD, lower fan
- 3 307 381 R92 GUARD, fan  
5/16" NUT (2)  
5/16 x 3/4" hex-hd cap SCREW (6)  
5/16" lock WASHER (6)
- 615 031 R1 WASHER, 3/8 x 7/8" x No. 14 ga. plain (4)

### RADIATOR GUARD (TD-15-151 SERIES)



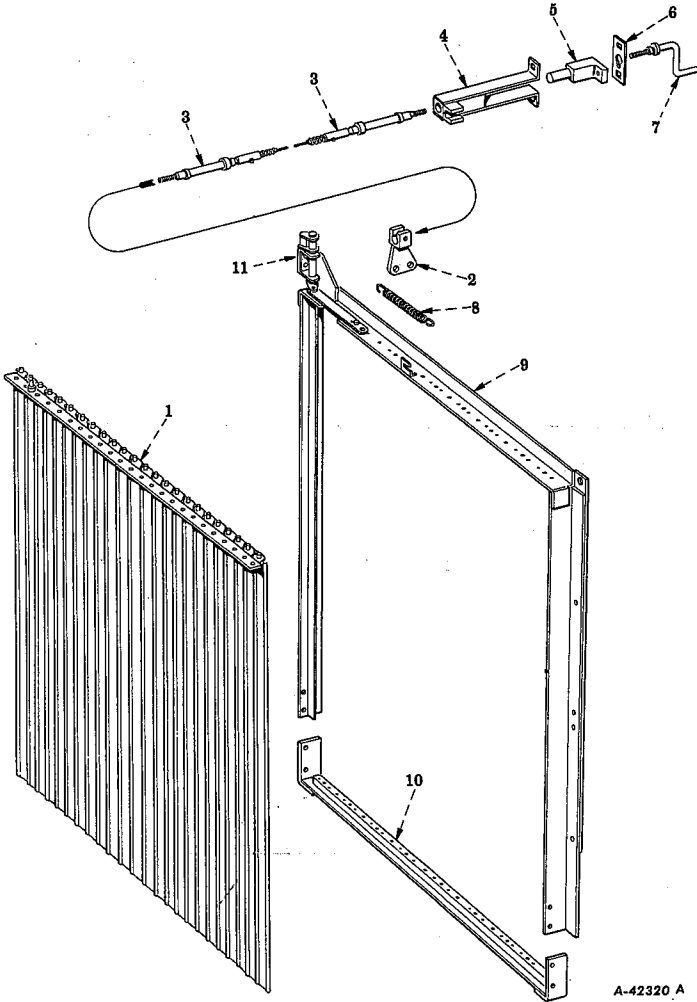
| REF. NO. | I. H. PART NUMBER | DESCRIPTION |
|----------|-------------------|-------------|
|----------|-------------------|-------------|

- 322 106 R91 ATTACHMENT, radiator guard (Consists of the following parts) (See NOTES 1 and 3)
- 1 303 667 R1 RETAINER, radiator guard mounting (8)  
3/4" NUT (4)  
3/4 x 2-1/2" hex-hd cap SCREW (4)
- 2 311 140 R1 SPACER, mounting (4)
- 3 322 075 R91 GUARD, radiator
- 4 299 842 R1 PIN, door latch (2)  
517 843 R1 PIN, Q-A. cotter (2)
- 5 307 680 R21 DOOR, radiator guard upper
- 6 311 263 R1 EMBLEM, I. H.  
No. 4 x 1/4" drive SCREW (2)
- 7 307 679 R21 DOOR, radiator guard lower

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

# COOLING SYSTEM

## RADIATOR SHUTTER (TD-15-150 Series)



A-42320 A

| REF. NO.    | I.H. PART NUMBER | DESCRIPTION  |
|-------------|------------------|--|
| 304 248 R91 |                  | ATTACHMENT, radiator shutter (See NOTE 3)<br>(Consists of the following parts)                                 |
| 1           | 274 816 R91      | SHUTTER w/operating BAR (24666)  |
| 2           | 274 602 R11      | BRACKET, radiator shutter control rod front anchor<br>3/8 x 5/8" hex-hd. cap SCREW (2)<br>3/8" lock WASHER (2) |
| 3           | 274 583 R91      | ROD, radiator shutter control<br>1/4NF jam NUT (3)<br>5/16 x 1" hex-hd. cap SCREW (2)<br>5/16" lock WASHER (2) |
| 4           | 274 604 R11      | BRACKET, radiator shutter control rod rear anchor  |
|             | 14 993 R1        | BOLT, 1/4 x 3/4" short sq-neck carriage (2)<br>1/4" NUT (2)<br>1/4" lock WASHER (2)                            |
| 5           | 274 607 R1       | COLLAR, radiator shutter control crank (threaded)  |

# COOLING SYSTEM

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

## RADIATOR SHUTTER - CONTINUED (TD-15-150 Series)

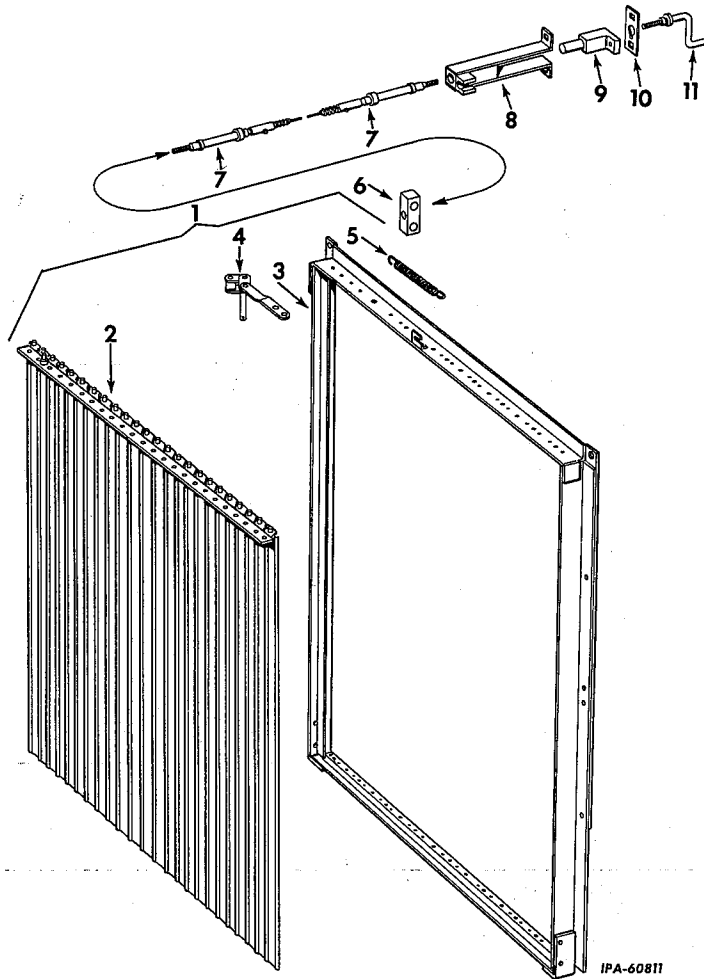
|       |             |  |
|-------|-------------|--|
| 6     | 274 606 R1  | SPACER, radiator shutter control crank   |
| 7     | 274 608 R11 | CRANK, radiator shutter control  |
| 8     | 47 530 D    | SPRING (15549)   |
| 9     | 274 814 R91 | FRAME w/bearing BAR (24669)<br>3/32 x 5/8" cotter PIN<br>No. 10NF x 2" hex-hd. cap SCREW (2)<br>No. 10 lock WASHER (6)   |
|       | 16 559 R1   | WASHER, 17/64 x 5/8 x .065 ga. steel   |
| 10    | 274 815 R91 | BAR, bottom tie (24668)  |
|       | 263 514 R91 | CLIP, radiator shutter control rod (mounted on thermostat housing)<br>3/8 x 1/2" hex-hd. cap SCREW<br>3/8" lock WASHER   |
| 11    |             | Not Furnished Separately   |
|       | 273 290 R91 | SHUTTER ASSEMBLY, radiator (24640)<br>(Composed of -<br>1 BAR 274 815 R91<br>1 FRAME 274 814 R91<br>1 SHUTTER 274 816 R91<br>1 SPRING 47 530 D<br>1 WASHER 16 559 R1)<br>5/16NF x 3/4" hex-hd. cap SCREW (12)<br>3/8 x 1" hex-hd. cap SCREW (2)<br>5/16" lock WASHER (12)<br>3/8" lock WASHER (2)<br>13/32 x 13/16 x No. 16 ga. flat WASHER (12) |
| Q 397 |             | WASHER, 11/32 x 3/4" x No. 16 ga. flat (12)  |

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



## COOLING SYSTEM

### RADIATOR SHUTTER (TD-15-151 Series)



IPA-60811



## COOLING SYSTEM

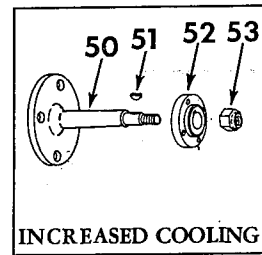
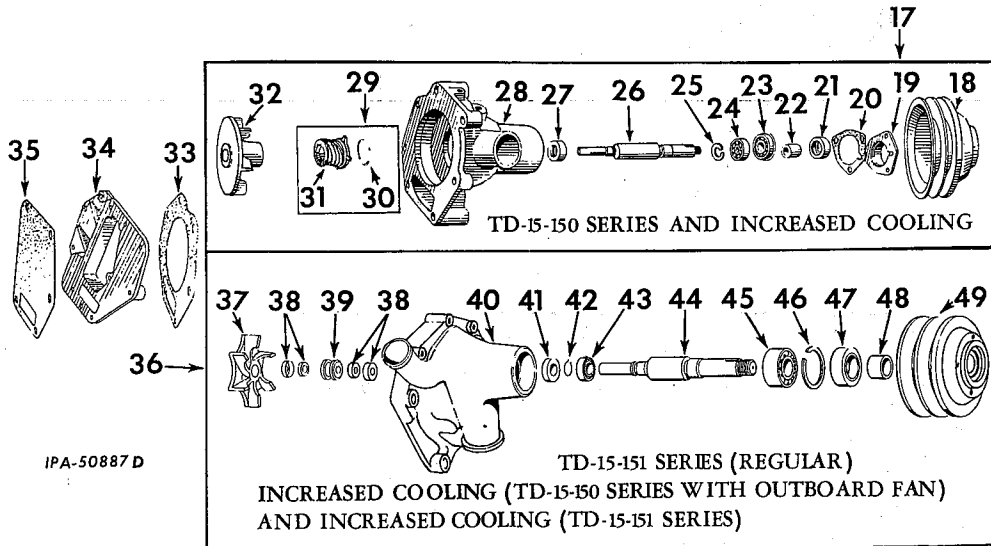
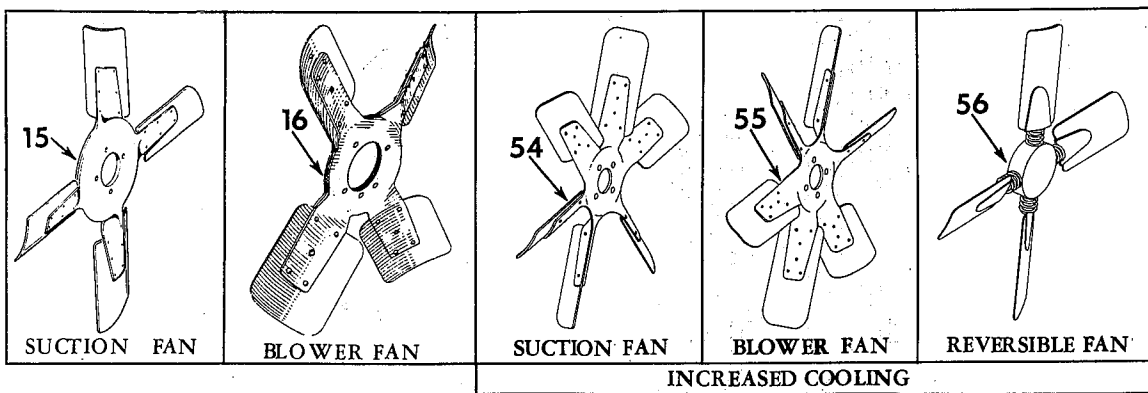
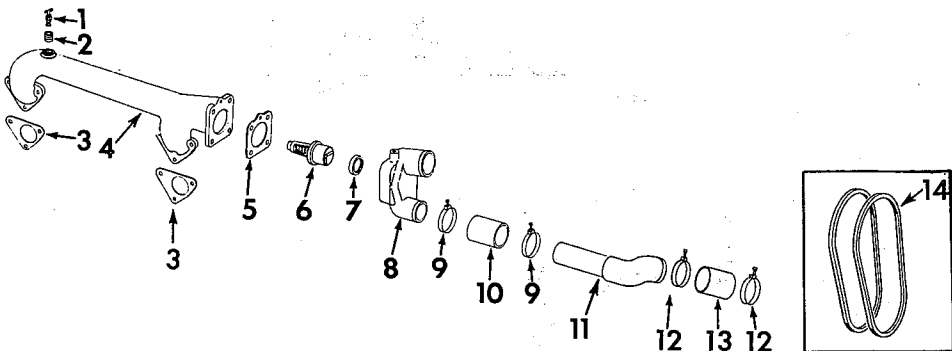
### RADIATOR SHUTTER - CONTINUED (TD-15-151 Series)

| REF. NO. | I.H. PART NUMBER | DESCRIPTION  |
|----------|------------------|--|
|          | 322 198 R91      | ATTACHMENT, radiator shutter (not used on units equipped with Outboard Fan) (Consists of the following parts) (See NOTES 1 and 3)  |
| 1        | 321 383 R91      | SHUTTER ASSEMBLY, radiator (28880)<br>3/8NF x 3/4" hex-hd cap SCREW (2)<br>3/8NF x 1" hex-hd cap SCREW (12)<br>3/8" lock WASHER (12)<br>13/32 x 13/16 x 16 ga. WASHER (14) |
| 2        | 321 731 R91      | SHUTTER and BAR (28889)<br>5/16NF NUT (4)<br>5/16NF x 5/8" hex-hd cap SCREW (4)<br>5/16" lock WASHER (4)   |
| 3        |                  | FRAME (Not Furnished Separately)   |
| 4        | 321 732 R91      | LINK, bellcrank (28893)<br>3/32 x 5/8" cotter PIN  |
|          | 301 871 R1       | 5/16NF x 1/2" hex-hd cap SCREW (2)<br>WASHER, 25/64" (23259)<br>5/16" lock WASHER (2)  |
| 5        | 47 530 D         | SPRING, link (15549)   |
| 6        | 322 226 R1       | BAR, shutter control rod mounting<br>3/8 x 1-1/4" hex-hd cap SCREW (2)<br>3/8" lock WASHER (2)   |

| REF. NO. | I.H. PART NUMBER | DESCRIPTION   |
|----------|------------------|---|
| 7        | 274 583 R91      | ROD, radiator shutter control<br>5/16 x 1" hex-hd cap SCREW (2)<br>1/4NF jam NUT (3)<br>5/16" lock WASHER (2)   |
| 8        | 274 604 R11      | BRACKET, radiator shutter control rod anchor, rear<br>14 993 R1 BOLT, 1/4 x 3/4" sq-neck carriage (short) (2)<br>1/4" NUT (2)<br>1/4" lock WASHER (2) |
| 9        | 274 607 R1       | COLLAR, threaded, radiator shutter control crank  |
| 10       | 274 606 R1       | SPACER, radiator shutter control crank  |
| 11       | 274 608 R11      | CRANK, radiator shutter control   |
|          | 263 514 R91      | CLIP, radiator shutter control rod (on water manifold)<br>3/8 x 1/2" hex-hd cap SCREW<br>3/8" lock WASHER<br>PIN, 3/32 x 5/8" cotter<br>WASHER, 1/4"  |
|          | 16 559 R1        | NOTE 1 - Factory Application - Order on Machine Order Form.<br>NOTE 3 - Field Application - Order through Regular Service Parts Channels.             |

# COOLING SYSTEM

WATER PUMP, FAN, FANBELT, THERMOSTATS AND WATER OUTLET MANIFOLD



IPA-50887 D

| REF. NO. | I. H. PART NUMBER | DESCRIPTION   |
|----------|-------------------|---|
| 1        | 141 615           | VALVE, engine water outlet manifold vent                |
| 2        | 189 063           | BUSHING, engine water outlet manifold reducer, 1 x 1/4" |
| 3        | 251 727 R2        | GASKET, engine water outlet manifold (2)                |

# COOLING SYSTEM

WATER PUMP, FAN, FAN BELT, THERMOSTATS AND WATER OUTLET MANIFOLD - CONTINUED

| REF. NO. | I. H. PART NUMBER | DESCRIPTION   |
|----------|-------------------|---|
| 4        | 276 460 R12       | MANIFOLD w/BUSHING, 189 063 and VALVE, 141 615, engine water outlet 3/8" NUT (6) 3/8" lock WASHER (6) |
| 5        | 276 463 R1        | GASKET, thermostat housing  |



## COOLING SYSTEM

| REF. NO.   | I.H. PART NUMBER | DESCRIPTION   |
|--|------------------|---|
| WATER PUMP, FAN, FAN BELT, THERMOSTATS AND WATER OUTLET MANIFOLD - CONTINUED |                  |   |
| 6  | 276 338 R91      | THERMOSTAT (165° - 180° F) (standard) (not high temperature range)  |
| 6  | 276 478 R91      | THERMOSTAT (175° - 190° F.) (high temperature range)  |
| 7  | 278 069 R91      | SEAL, thermostat ring   |
| 8  | 276 461 R11      | HOUSING w/SEAL, 278 069 R91 thermostat<br>3/8 x 1-1/4" hex-hd cap SCREW (4)<br>3/8" lock WASHER (4)   |
| 9  | 279 026 R91      | CLAMP, engine water outlet manifold by-pass pipe hose (2)   |
| 10   | 278 545 R1       | HOSE, engine water outlet manifold by-pass (1-3/4 x 2-1/8 x 3-1/4" long)  |
| 11   | 304 376 R11      | ELBOW, water pump by-pass   |
| 12   | 274 087 R91      | CLAMP, engine water outlet manifold by-pass pipe hose (2)   |
| 13   | 262 019 R1       | HOSE, engine water out manifold by-pass pipe  |
| 14   | 304 071 R11      | BELT, fan (1 matched pair)  |
| 15   | 277 701 R91      | FAN, suction (24" dia.) (Schwitzer-Cummins)   |
| 15   | 304 861 R91      | FAN, suction (24" dia.) (Schwitzer-Cummins) (part of ATTACHMENT, 331 491 R91)<br>5/16 x 7/8" hex-hd cap SCREW (4)<br>5/16" lock WASHER (4)  |
| 16   | 274 630 R91      | ATTACHMENT, blower fan (tropical climate application) (See NOTES 1 and 3)   |
| 16   | 277 084 R91      | ATTACHMENT, blower fan (standard application) (See NOTES 1 and 3)   |
| 17   | 304 070 R92      | PUMP ASSEMBLY, water (less fan) (TD-15-150) (also % and †)<br>(Composed of -<br>1 BEARING ST 262<br>1 BEARING 273 294 R91<br>1 BODY 316 377 R1<br>1 GASKET 257 214 R1<br>1 HOUSING 257 213 R1<br>1 IMPELLER 316 378 R1<br>1 KEY 103 907<br>1 NUT 257 217 R1<br>1 PLUG 103 867<br>1 PLUG 116 566<br>1 PLUG 126 045<br>1 PULLEY 304 069 R1<br>1 RING 257 211 R1<br>1 SEAL 257 215 R91<br>1 SEAL 279 930 R91<br>1 SEAL 338 394 R91<br>1 SEAT 310 447 R91<br>1 SHAFT 267 634 R2<br>1 SPACER 257 212 R1) |
| 42 752 D   |                  | STUD, water pump (TD-150M-501 to 3213)<br>1/2" NUT (TD-150M-501 to 3213)<br>1/2 x 1-3/8" hex-hd cap SCREW (TD-150-3213 to 4000)<br>1/2 x 2-1/4" hex-hd cap SCREW<br>1/2 x 3-1/2" hex-hd cap SCREW (2)<br>1/2" lock WASHER (5)   |
| 18   | 304 069 R1       | PULLEY, water pump (TD-15-1501) (also % and †)  |
| 18 501 R1  |                  | NUT, water pump pulley  |
| 103 907  |                  | KEY, water pump pulley, 3/16 x 7/8" (Woodruff No. 11)   |
| 19   | 257 213 R1       | HOUSING, water pump oil seal (TD-15-150) (also % and †)<br>5/16 x 7/8" hex-hd cap SCREW (3)<br>5/16" lock WASHER (3)  |



## COOLING SYSTEM

| REF. NO.   | I.H. PART NUMBER | DESCRIPTION  |
|--|------------------|--|
| WATER PUMP, FAN, FAN BELT, THERMOSTATS AND WATER OUTLET MANIFOLD - CONTINUED |                  |  |
| 20   | 257 214 R1       | GASKET, water pump oil seal housing (TD-15-150) (also % and †)   |
| 21   | 257 215 R91      | OIL SEAL, water pump outer (TD-15-150) (also % and †)  |
| 22   | 257 212 R1       | SPACER, water pump bearing (TD-15-150) (also % and †)  |
| 23   | 273 294 R91      | BEARING, water pump outer (TD-15-150) (also % and †)   |
| 24   | ST 262           | BEARING, water pump inner (TD-15-150) (also % and †)   |
| 25   | 257 211 R1       | RING, water pump bearing snap (inner) (TD-15-150) (also % and †)   |
| 26   | 267 634 R2       | SHAFT, water pump (TD-15-150) (also % and †)   |
| 27   | 338 394 R91      | OIL SEAL, water pump inner (TD-15-150) (also % and †)  |
| 28   | 316 377 R1       | BODY, water pump (together with IMPELLER, 316 378 R1, SEAL, 279 730 R91 and two SEAT, 310 447 R91 will work for 257 471 R2) (TD-15-150) (also % and †)   |
| 29   | 264 968 R93      | SEAL, 264 967 R93 w/RING, 98 052 H, water pump (TD-15-150) (also % and †)  |
| 30   | 98 052 H         | RING, water pump snap (Schwitzer-Cummins 19395) (TD-15-150) (also % and †)   |
| 31   | 264 967 R93      | SEAL, water pump (TD-15-150) (also % and †)  |
| 32   | 251 134 R24      | IMPELLER w/SEAL, 264 968 R93 water pump used with BODY, 257 471 R2) (TD-15-150) (also % and †)   |
| 32   | 316 378 R1       | IMPELLER, water pump (used with BODY, 316 377 R1) (TD-15-150) (also % and †)   |
| 33   | 318 227 R1       | GASKET, water pump cover (TD-15-151)   |
| 33   | 251 719 R2       | GASKET, water pump cover (TD-15-150)   |
| 34   | 304 378 R1       | PLATE, water pump adapter (together w/SCREW, will work for 304 378 R11) 1/2" NUT (TD-150M-501 to 3213)<br>1/2 x 1-1/4" hex-hd cap SCREW<br>1/2 x 1-1/2" hex-hd cap SCREW (2)<br>1/2 x 2-1/4" hex-hd cap SCREW<br>1/2" lock WASHER (4)<br>1/2" internal-tooth lock WASHER |
| 35   | 251 717 R2       | GASKET, water pump   |
|  |                  | NOTE 1 - Factory Application - Order on Machine Order Form.<br>NOTE 3 - Field Application - Order through Regular Service Parts Channels.  |
|  |                  | % - Part of Increased Cooling ATTACHMENT, 322 392 R91.   |
|  |                  | † - Part of Increased Cooling ATTACHMENT, 322 399 R91.   |
|  |                  | \$ - Part of Increased Cooling ATTACHMENT, 322 450 R91.  |
|  |                  | * - Part of Increased Cooling ATTACHMENT, 322 527 R91.   |



# COOLING SYSTEM

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

## WATER PUMP, FAN, FAN BELT, THERMOSTATS AND WATER OUTLET MANIFOLD - CONTINUED

|    |                                     |  |
|----|-------------------------------------|--|
| 36 | 318 230 R91                         | PUMP ASSEMBLY, water (less fan) (TD-15-151) (also \$ and *)<br>(Composed of -<br>1 BEARING ST 262<br>1 BEARING 353 652 R91<br>1 BODY 318 228 R1<br>1 IMPELLER 318 225 R1<br>1 KEY 103 907<br>1 NUT 18 501 R1<br>1 PLUG 103 867<br>1 PULLEY 318 312 R11<br>1 RETAINER 318 311 R1<br>1 RING 257 211 R1<br>1 SEAL 279 730 R92<br>1 SEAL 321 282 R91<br>1 SEAL 338 394 R91<br>2 SEAT 310 447 R91<br>1 SHAFT 318 314 R1 )<br>3/8 x 1-7/8" hex-hd cap SCREW (2)<br>1/2 x 1-3/8" hex-hd cap SCREW<br>1/2 x 2" hex-hd cap SCREW (2)<br>1/2 x 2-1/4" hex-hd cap SCREW<br>3/8" lock WASHER (2)<br>1/2" lock WASHER (4) |
| 37 | 318 225 R1                          | IMPELLER, water pump (TD-15-151) (also \$ and *)   |
| 38 | 310 447 R91                         | SEAT, water pump (2) (TD-15-151) (also \$ and *)   |
| 39 | 279 730 R92                         | SEAL, water pump (TD-15-151) (also \$ and *)   |
| 40 | 318 228 R1                          | BODY, water pump (TD-15-151) (also \$ and *)   |
| 41 | 338 394 R91                         | OIL SEAL, water pump inner (TD-15-151) (also \$ and *)   |
| 42 | 257 211 R1                          | RING, water pump bearing snap (inner) (TD-15-151) (also \$ and *)  |
| 43 | ST 262                              | BEARING, water pump inner (TD-15-151) (also \$ and *)  |
| 44 | 318 314 R1                          | SHAFT, water pump (TD-15-151) (also \$ and *)  |
| 45 | 353 652 R91                         | BEARING, water pump outer (TD-15-151) (also \$ and *)  |
| 46 | 318 311 R1                          | RETAINER, water pump bearing (TD-15-151) (also \$ and *)   |
| 47 | 321 282 R91                         | OIL SEAL, water pump outer (TD-15-151) (also \$ and *)   |
| 48 | 321 283 R1                          | RING, wear (optional with 321 284 R1) (TD-15-151) (also \$ and *)  |
| 48 | 321 284 R1                          | RING, wear (optional with 321 283 R1) (TD-15-151) (also \$ and *)  |
| 49 | 318 312 R11<br>18 501 R1<br>103 907 | PULLEY w/RING, 321 283 R1, water pump (TD-15-151) (also \$ and *)<br>NUT, water pump pulley<br>KEY, water pump pulley, 3/16 x 7/8" (Woodruff No. 11)   |
| 50 | 322 202 R1                          | SHAFT, outboard fan (†)<br>5/16 x 1" hex-hd cap SCREW (4)<br>5/16" lock WASHER (4)   |
| 51 | 103 646                             | KEY, outboard fan hub (1/8 x 3/4" Woodruff No. 7) (†)  |
| 52 | 307 446 R1                          | HUB, outboard fan (†)  |
| 53 | 18 453 R1                           | NUT, 5/8NF elastic stop (†)  |
| 54 | 321 569 R91                         | FAN, suction (25" dia) (%)   |
| 55 | 321 568 R91                         | FAN, blower (25" dia) (†)  |
| 56 | 321 567 R91                         | FAN, reversible (24" dia) (Huber) (\$) (*)   |
|    | 331 491 R91                         | ATTACHMENT, suction fan (tropical) (consists of FAN, 304 861 R91) (See NOTES 1 and 3)  |



# COOLING SYSTEM

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

## WATER PUMP, FAN, FAN BELT, THERMOSTATS AND WATER OUTLET MANIFOLD - CONTINUED

|             |  |
|-------------|--|
| 303 694 R91 | ATTACHMENT, high temperature range thermostat (includes THERMOSTAT, 276 478 R91) (See NOTES 1 and 3)   |
| 306 272 R1  | BOLT, water pump body and generator brace<br>1/2" NUT<br>1/2 x 3" hex-hd cap SCREW<br>1/2 x 1-1/2" hex-hd cap SCREW<br>1/2 x 2" hex-hd cap SCREW<br>3/8 x 2-3/4" hex-hd cap SCREW (2)<br>1/2" lock WASHER (5)<br>3/8" lock WASHER (2)  |
| 103 867     | PLUG, idler pipe fan belt  |
| 103 867     | PLUG, 3/8" sq-hd CI pipe   |
| 332 228 R91 | PACKAGE, water pump field service (used on pumps with BODY, 316 377 R1) (TD-15-150) (also % and †)<br>(Consists of -<br>1 BEARING ST 262<br>1 BEARING 273 294 R91<br>1 GASKET 251 717 R2<br>1 GASKET 251 719 R1<br>1 GASKET 257 214 R1<br>1 IMPELLER 316 378 R1<br>1 KEY 103 907<br>1 NUT 257 217 R1<br>1 RING 257 211 R1<br>1 SEAL 257 215 R91<br>1 SEAL 279 730 R92<br>1 SEAL 338 394 R91<br>2 SEAT 310 447 R91<br>1 SHAFT 267 634 R2<br>1 SPACER 257 212 R1 ) |
| 349 257 R91 | PACKAGE, water pump field service (used on pumps with BODY, 257 471 R2) (TD-15-150) (also % and †)<br>(Consists of -<br>1 BEARING ST 262<br>1 BEARING 273 294 R91<br>1 GASKET 251 717 R2<br>1 GASKET 251 719 R1<br>1 GASKET 257 214 R1<br>1 IMPELLER 251 134 R24<br>1 KEY 103 907<br>1 NUT 257 217 R1<br>1 RING 257 211 R1<br>1 SEAL 257 215 R91<br>1 SEAL 338 394 R91<br>1 SHAFT 267 634 R2<br>1 SPACER 257 212 R1 )  |
| 332 229 R91 | PACKAGE, water pump field service (TD-15-151) (also \$ and %)<br>(Consists of -<br>1 BEARING ST 262<br>1 BEARING 353 652 R91<br>1 GASKET 251 717 R2<br>1 GASKET 318 227 R1<br>1 IMPELLER 318 225 R1<br>1 KEY 103 907<br>1 NUT 18 501 R1<br>1 RETAINER 318 311 R1<br>1 RING 257 211 R1<br>1 KING 321 283 R1<br>2 SEAT 310 447 R91<br>1 SEAL 279 730 R92<br>1 SEAL 321 282 R91<br>1 SEAL 338 394 R91<br>1 SHAFT 318 314 R1 )                                       |

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

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

% - Part of Increased Cooling ATTACHMENT, 322 392 R91.

† - Part of Increased Cooling ATTACHMENT, 322 399 R91.

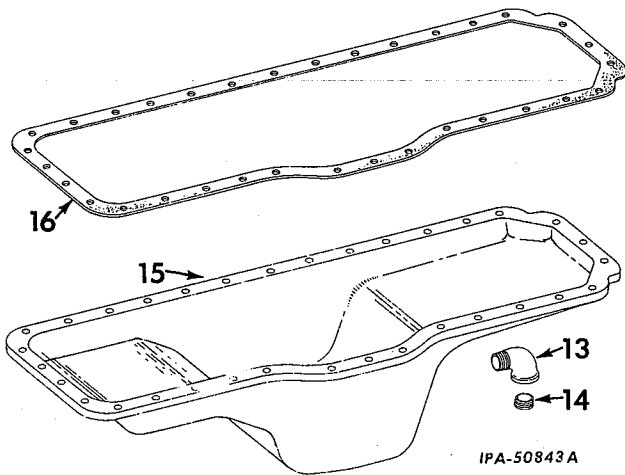
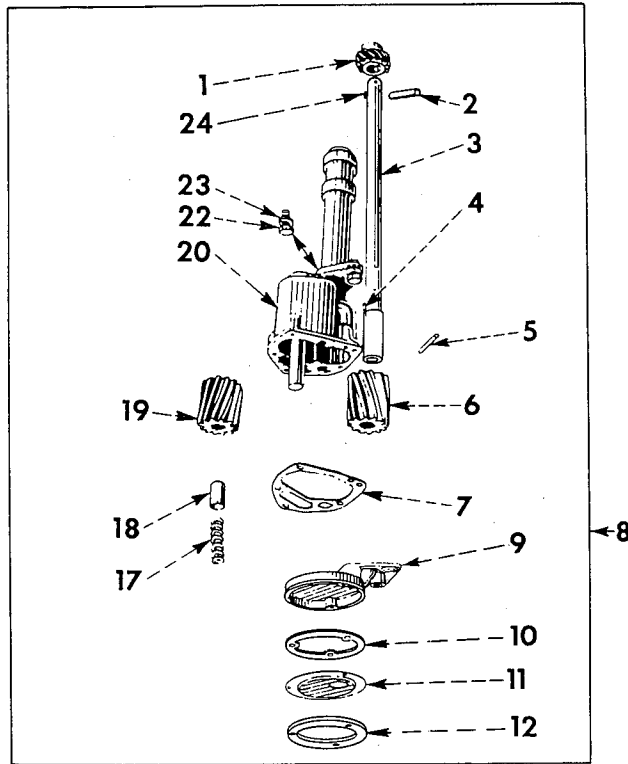
\$ - Part of Increased Cooling ATTACHMENT, 322 450 R91.

\* - Part of Increased Cooling ATTACHMENT, 322 527 R91.



## LUBRICATING SYSTEM

### CRANKCASE OIL PAN AND LUBRICATING PUMP



## LUBRICATING SYSTEM

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

### CRANKCASE OIL PAN AND LUBRICATING PUMP - CONTINUED

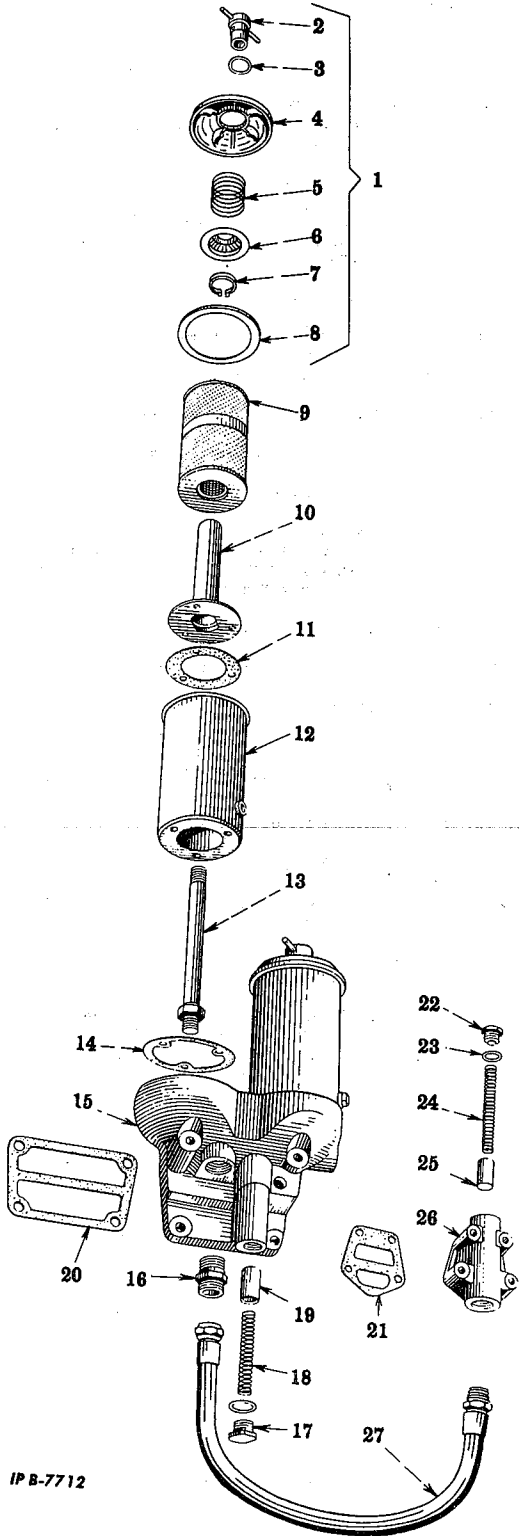
|    |                         |  |
|----|-------------------------|--|
| 6  | 260 766 R21             | GEAR w/PIN, 553 686 R1, lubricating oil pump body  |
| 7  | 42 789 D                | GASKET, lubricating oil pump cover   |
| 8  | 304 083 R91<br>10 961 D | PUMP ASSEMBLY, lubricating oil<br>SCREW, 1/2 x 1-1/4" hex-hd. cap (2)<br>1/2" lock WASHER (2)  |
| 9  | 268 345 R1              | COVER, lubricating oil pump<br>3/8" lock WASHER (5)<br>3/8 x 1" hex-hd. cap SCREW (5)<br>WIRE, locking (16 ga. x 10" long) (order<br>278 027 R1) |
| 10 | 268 346 R1              | GASKET, oil pump bottom plate  |
| 11 | 274 195 R11             | PLATE, oil pump bottom<br>1/4 x 7/8" hex-hd. cap SCREW (3)<br>1/4" lock WASHER (3)   |
| 12 | 268 347 R1              | RING, oil pump bottom plate stiffener  |
| 13 | 108 687                 | ELBOW, crankcase oil pan drain   |
| 14 | 103 876                 | PLUG, crankcase oil pan drain  |
| 15 | 304 089 R2              | PAN, crankcase oil<br>3/8 x 1-1/4" hex-hd. cap SCREW (29)<br>3/8 x 1-1/2" hex-hd. cap SCREW (4)<br>3/8" lock WASHER (33)                         |
| 16 | 252 036 R3              | GASKET, crankcase oil pan  |
| 17 | 45 286 D                | SPRING, oil pressure regulating valve  |
| 18 | 258 417 R2              | VALVE, oil pressure regulating   |
| 19 | 50 336 DA               | GEAR, lubricating oil pump idler (12 T)  |
| 20 | 254 453 R21             | BODY w/SHAFT, lubricating oil pump   |
| 22 | 10 961 D                | Follows Reference No. 8  |
| 23 |                         | Follows Reference No. 8  |
| 24 | 124 548                 | KEY, Woodruff No. 6 (used with lubricating<br>oil pump drive pinion)   |
|    | 112 715                 | PLUG, 1/2" ctsk-hdls.  |
|    | 278 027 R1              | WIRE, bulk locking (16 ga.) (customer must<br>specify length required) (X)   |

| REF. NO. | I.H. PART NUMBER | DESCRIPTION  |
|----------|------------------|--|
| 1        | 263 059 R1       | PINION, lubricating oil pump drive (14 T)                            |
| 2        | 17 053 R1        | PIN, lubricating oil pump drive pinion                               |
| 3        | 258 612 R41      | SHAFT w/PIN, 17 053 R1 and 553 686 R1,<br>lubricating oil pump drive |
| 4        | 124 548          | KEY, Woodruff No. 6 (used with lubricating<br>oil pump body gear)    |
| 5        | 553 686 R1       | PIN, lubricating oil pump body gear                                  |

X - As Required

# LUBRICATING SYSTEM

## LUBRICATING OIL FILTER (Full Flow)



# LUBRICATING SYSTEM

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

## LUBRICATING OIL FILTER - CONTINUED (Full Flow)

|    |             |   |
|----|-------------|---|
|    | 261 957 R95 | FILTER ASSEMBLY, lubricating oil (Consists of Ref. Nos. 1 through 19 inclusive)<br>1/2 x 4-1/4" hex-hd. cap SCREW (2)<br>1/2 x 1-3/4" hex-hd. cap SCREW (2)<br>1/2" lock WASHER (4)   |
| 1  | 267 808 R11 | COVER ASSEMBLY, lubricating oil filter case (2)<br>(Composed of -<br>1 COVER 267 808 R1<br>1 CUP 265 544 R1<br>1 NUT 265 542 R11<br>1 "O" RING 267 809 R1<br>1 "O" RING 267 810 R1<br>1 RING, snap 267 700 R1<br>1 SPRING 265 543 R1) |
| 2  | 265 542 R11 | NUT w/BAR, lubricating oil filter case cover retaining (2)  |
| 3  | 267 810 R1  | "O" RING, oil filter case cover retaining nut (13/64 x 1-21/64 x 9/64")   |
| 4  | 267 808 R1  | COVER, oil filter case (2)  |
| 5  | 265 543 R1  | SPRING, oil filter element retaining (2)  |
| 6  | 265 544 R1  | CUP, oil filter case cover sealing (2)  |
| 7  | 267 700 R1  | RING, oil filter sealing cup retaining snap (2)   |
| 8  | 267 809 R1  | GASKET, oil filter case cover (2)   |
| 9  | 323 961 R91 | PACKAGE, lubricating oil filter element field service (consists of ELEMENT and GASKET, 267 809 R1) (2)  |
| 10 | 261 830 R12 | PIPE, lubricating oil filter stand (2)  |
| 11 | 261 835 R1  | GASKET, lubricating oil filter standpipe (2)  |
| 12 | 261 833 R11 | CASE, lubricating oil filter (2)  |
|    | 423 355     | SCREW w/WASHER, 3/8 x 1-1/8", hex-hd. machine (6)   |
| 13 | 261 614 R11 | STUD, lubricating oil filter (2)  |
| 14 | 261 836 R1  | GASKET, lubricating oil filter case (2)   |
| 15 | 261 958 R11 | BASE, lubricating oil filter  |
| 16 | 264 139 R1  | ADAPTER, oil filter inlet hose  |
| 17 | 261 613 R1  | NUT, lubricating oil pressure regulating valve retainer   |
|    | 115 449     | GASKET, 1-1/8" annular  |
| 18 | 263 508 R2  | SPRING, lubricating oil pressure regulating valve   |
| 19 | 261 611 R1  | VALVE, lubricating oil pressure regulating  |
| 20 | 261 959 R1  | GASKET, lubricating oil filter base   |
| 21 | 261 629 R1  | GASKET, lubricating oil filter by-pass housing  |
| 22 | 51 205 D    | NUT, lubricating oil filter by-pass valve retaining   |
| 23 | 28 781 D    | GASKET, lubricating oil filter by-pass valve retaining nut  |
| 24 | 260 234 R2  | SPRING, lubricating oil filter by-pass valve  |
| 25 | 261 630 R1  | VALVE, lubricating oil filter by-pass   |
| 26 | 261 628 R1  | HOUSING, lubricating oil filter by-pass valve<br>3/8 x 2-1/4" hex-hd. cap SCREW (2)<br>3/8 x 2-1/2" hex-hd. cap SCREW (2)<br>3/8" lock WASHER (4)   |
| 27 | 264 389 R91 | HOSE, oil filter inlet  |
|    | 273 053 R1  | CLIP, oil filter inlet hose   |
|    | 105 453     | GASKET, lubricating oil filter drain plug   |
|    |             | NUT, lubricating oil filter stud (2)  |
|    | 103 867     | PLUG, 3/8" sq-hd. lubricating oil filter pipe   |
|    | 112 715     | PLUG, 1/2" csk-hdls. lubricating oil filter base pipe   |
|    | 445 084     | PLUG, 5/8" lubricating oil filter case drain (2)  |
|    | 261 035 R1  | WASHER  |

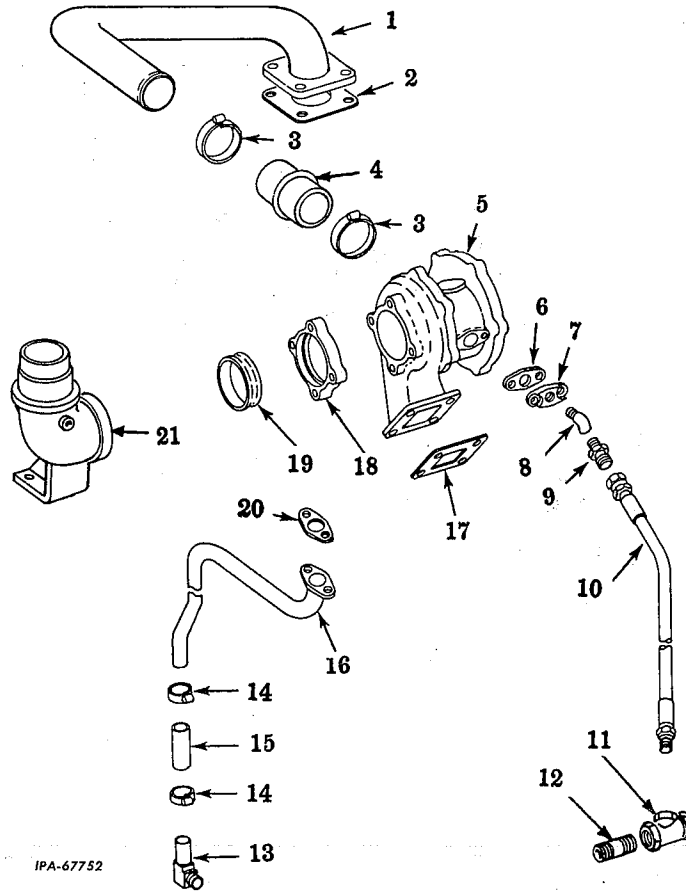
§ - Not Furnished Separately.



# TURBOCHARGER



**TURBOCHARGER AND PIPING**  
(For machines equipped with Altitude Compensation Attachment)



IPA-67752

# TURBOCHARGER



**TURBOCHARGER AND PIPING - CONTINUED**  
(For machines equipped with Altitude Compensation Attachment)

| REF. NO. | I.H. PART NUMBER          | DESCRIPTION   |
|----------|---------------------------|---|
| 1        | 318 324 R11<br>445 684    | PIPE w/PLUG, 445 684, turbocharger air outlet<br>PLUG, pipe   |
| 2        | 50 529 D                  | GASKET, turbocharger air outlet pipe  |
| 3        | 279 038 R91               | CLAMP, air pipe hose (2)  |
| 4        | 310 385 R1                | HOSE, air pipe  |
| 5        | 321 381 R91<br>253 665 R1 | TURBOCHARGER (Airesearch 404330-4)<br>(for components see list of parts under details of "Turbocharger")<br>NUT, mounting (8) |
| 6        | 253 660 R1                | GASKET, oil inlet flange  |
| 7        | 318 379 R1                | FLANGE, oil inlet<br>3/8 x 7/8" hex-hd cap SCREW (2)<br>3/8" lock WASHER (2)  |
| 8        | 444 054                   | ELBOW, 1/4" x 45°   |
| 9        | 321 359 R1                | ADAPTER, turbocharger oil inlet (2)   |
| 10       | 321 356 R91               | HOSE w/FITTINGS, turbocharger oil inlet<br>(HOSE, 1/2" ID x 65" long including FITTINGS)                                      |
| 11       | 120 280                   | TEE, 3/8" pipe  |

| REF. NO. | I.H. PART NUMBER                     | DESCRIPTION  |
|----------|--------------------------------------|--|
| 12       | 120 278                              | NIPPLE, 3/8" pipe  |
| 13       | 171 810 R1                           | ELBOW, 3/4 x 1/2"NPT   |
| 14       | 122 316 R91                          | CLAMP, hose (2)  |
| 15       | 312 109 R1                           | HOSE, turbocharger oil outlet  |
| 16       | 318 327 R11                          | TUBE, turbocharger oil outlet<br>3/8 x 7/8" hex-hd cap SCREW (2)<br>3/8" lock WASHER (2) |
| 17       | 304 391 R1                           | GASKET, turbocharger flange  |
| 18       | 318 322 R1<br>318 323 R1<br>50 408 D | RETAINER, exhaust sleeve<br>BOLT, retainer (4)<br>LOCK, bolt (4)                         |
| 19       | 318 321 R1                           | SLEEVE, exhaust discharge  |
| 20       | 253 664 R1                           | GASKET, oil outlet flange  |
| 21       | 318 320 R11<br>445 684               | ELBOW w/PLUG, 445 684, exhaust discharge<br>PLUG, pipe                                   |
|          | 267 787 R91                          | CLIP (3)   |



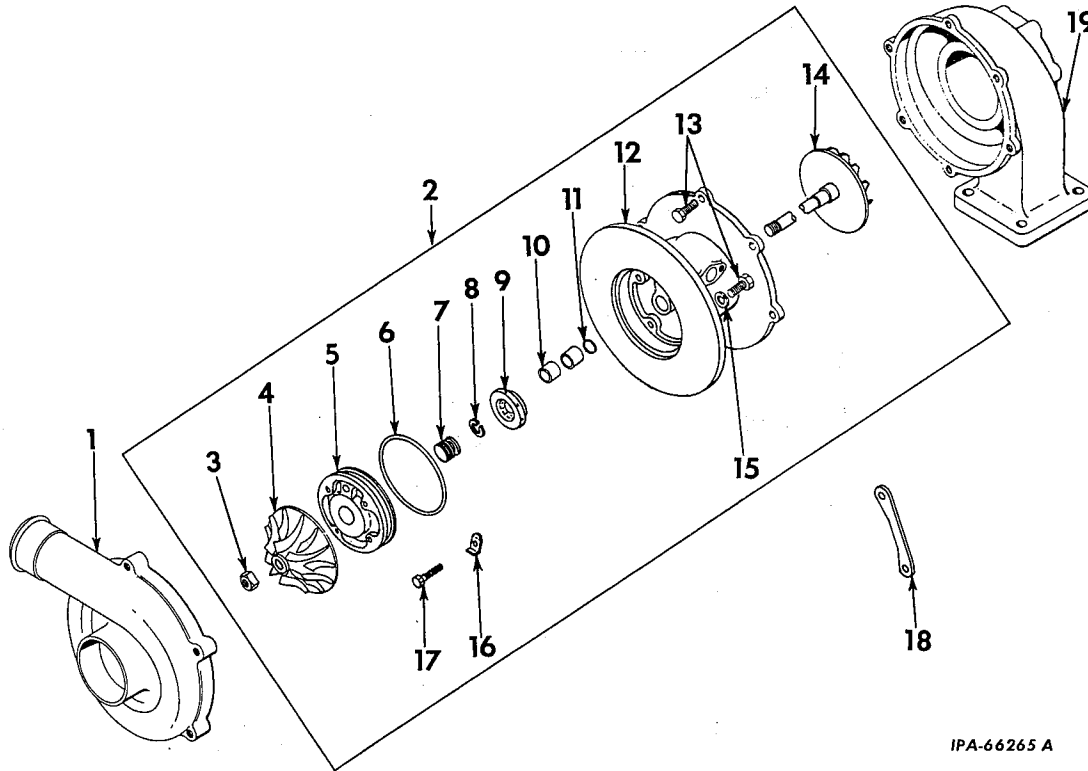
# TURBOCHARGER

TURBOCHARGER  
(Airesearch) (For use with machines equipped with Altitude  
Compensation Attachments)



# TURBOCHARGER

TURBOCHARGER - CONTINUED  
(Airesearch) (For machines equipped with Altitude  
Compensation Attachments)



IPA-66265 A

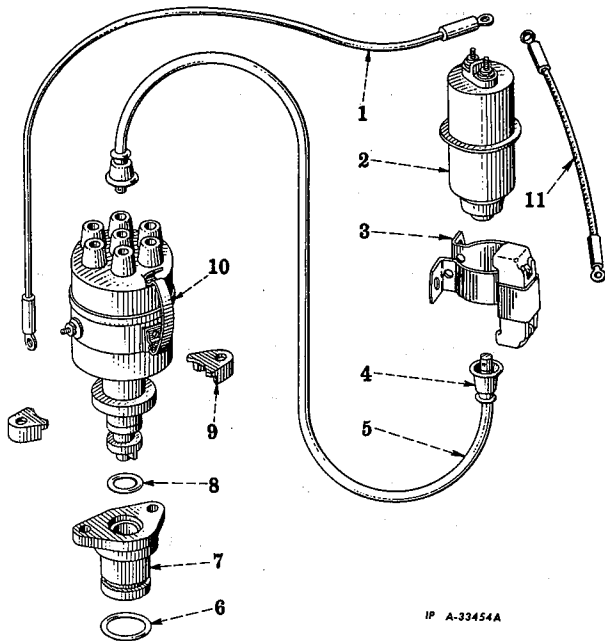
| REF. NO. | I.H. PART NUMBER | DESCRIPTION   |
|----------|------------------|---|
|          | 321 381 R91      | TURBOCHARGER ASSEMBLY (404330-4)  |
| 1        | 313 631 R1       | HOUSING, compressor (403965)  |
| 2        | 321 382 R91      | CORE ASSEMBLY, center housing and rotating (404332)                                       |
| 3        | 19 839 R1        | NUT, 5/16NF lock (400100)   |
| 4        | 324 259 R1       | WHEEL, compressor (403989)  |
| 5        | 321 377 R91      | PLATE, 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 (403818)  |
| 9        | 324 257 R1       | WASHER, thrust (404039)   |
| 10       | 319 971 R1       | BUSHING, rotating shaft (402327) (2)  |
| 11       | 319 972 R1       | RING, shaft bushing retaining (400227)  |
| 12       |                  | HOUSING (order 321 382 R91)   |
| 13       |                  | SCREW, 5/16 x 3/4" hex-hd cap (not part of center housing and rotating core assembly) (6) |
| 14       | 324 260 R91      | WHEEL and SHAFT, turbine (403835)   |

| REF. NO. | I.H. PART NUMBER | DESCRIPTION   |
|----------|------------------|---|
| 15       |                  | WASHER, 5/16" extra heavy lock (not part of center housing and rotating core assembly) (6)  |
| 16       | 321 378 R1       | PLATE, thrust lock (404169) (4)   |
| 17       | 9 415 665        | SCREW, No. 10 x 7/8" hex-hd cap (4)   |
| 18       | 321 375 R1       | PLATE, turbine housing lock (402626) (3)  |
| 19       | 321 404 R1       | HOUSING, turbine (401885)<br>5/16 x 3/4" hex-hd cap SCREW (6)   |
|          | 309 164 R1       | FLANGE, oil inlet blank (402367)  |
|          | 253 660 R1       | GASKET, flange blank (402368)   |
|          | 307 787 R1       | RING, oil inlet screen snap (403618)  |
|          | 321 402 R91      | ROTATING ASSEMBLY, compressor and turbine wheel (404329)<br>(Composed of -<br>1 NUT 19 839 R1<br>1 RING 321 379 R1<br>1 SPACER 324 256 R1<br>1 WASHER 324 257 R1<br>1 WHEEL 324 259 R1<br>1 WHEEL and SHAFT 324 260 R91 ) |
|          | 307 785 R91      | SCREEN, oil inlet (403347)  |
|          |                  | WASHER, 3/8" lock (2)   |



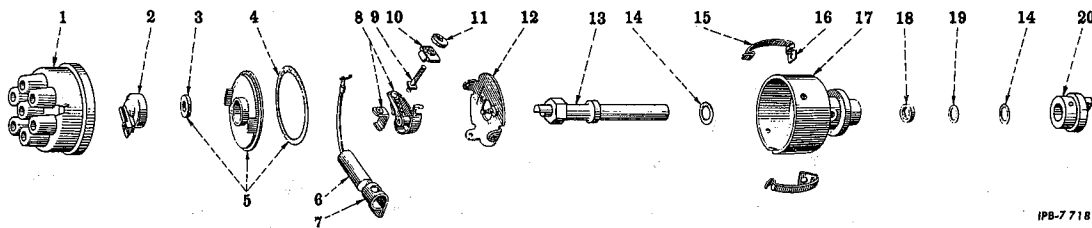
## ELECTRICAL SYSTEM

### COIL, DISTRIBUTOR, DISTRIBUTOR BRACKET AND RELATED PARTS



IP A-33454A

### BATTERY IGNITION DISTRIBUTOR



IPB-7718

| REF. NO. | I. H. PART NUMBER | DESCRIPTION   |
|----------|-------------------|---|
|          | 358 381 R92       | DISTRIBUTOR ASSEMBLY (fixed spark) (clockwise rotation)                                   |
| 1        | 368 062 R91       | CAP, distributor  |
| 2        | 353 896 R91       | ROTOR, distributor  |
| 3        | 353 901 R2        | SEAL, breaker cover felt  |
| 4        | 352 284 R2        | GASKET, breaker cover   |
| 5        | 353 900 R11       | COVER w/SEAL, 353 901 R2 and GASKET, 352 284 R2 breaker                                   |
| 6        | 353 903 R92       | CONDENSER   |
| 7        | 353 905 R1        | CLAMP, condenser<br>No. 8 x 3/16" sl-fil-hd. cd-pltd. SCREW<br>No. 8 cd-pltd. lock WASHER |



## ELECTRICAL SYSTEM

### COIL, DISTRIBUTOR, DISTRIBUTOR BRACKET AND RELATED PARTS - CONTINUED

| REF. NO. | I. H. PART NUMBER | DESCRIPTION  |
|----------|-------------------|--|
| 1        | 266 097 R92       | CABLE, distributor to coil (primary)   |
| 2        | 368 839 R91       | COIL, ignition (12 R)<br>No. 10 type "F" NUT (2)<br>No. 10 lock WASHER (2)   |
| 3        | 368 989 R91       | CLAMP, resistor coil and<br>No. 10 NUT<br>No. 10 x 1-1/4" rd-hd. slt. SCREW<br>No. 10 lock WASHER                                    |
| 4        | 251 553 R1        | NIPPLE, distributor to coil cable (2)  |
| 5        | 265 906 R91       | CABLE, distributor to coil (secondary)   |
| 6        | 252 483 R1        | OIL SEAL, distributor bracket (outer)  |
| 7        | 265 925 R1        | BRACKET, distributor<br>5/16" NUT<br>5/16 x 1-1/4" ov-pt. hdl. set SCREW   |
| 8        | 254 954 R1        | OIL SEAL, distributor bracket inner  |
| 9        | 353 937 R1        | CLAMP, distributor (2)<br>5/16 x 3/4" hex-hd. cap SCREW (2)<br>5/16" lock WASHER (2)   |
| 10       | 358 381 R91       | DISTRIBUTOR ASSEMBLY (for components see list of parts under details of "Distributor")<br>No. 8 mach. screw NUT<br>No. 8 lock WASHER |
| 11       | 357 929 R91       | CABLE, resistor to coil  |

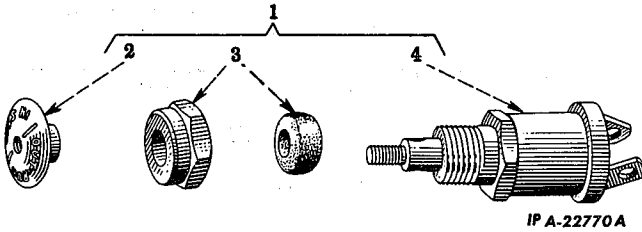
### BATTERY IGNITION DISTRIBUTOR - CONTINUED

| REF. NO. | I. H. PART NUMBER | DESCRIPTION   |
|----------|-------------------|---|
| 8        | 353 172 R91       | PACKAGE, breaker arm and stationary point<br>No. 8 x 3/16" sl-pan-hd. cd-pltd. SCREW  |
| 9        | 353 907 R1        | SCREW, terminal<br>No. 8 cd-pltd. NUT (2)<br>No. 8 cd-pltd. lock WASHER (2)           |
| 10       | 353 906 R1        | INSULATOR, spring anchor terminal   |
| 11       | 251 538 R1        | WASHER, insulating, terminal  |
| 12       | 352 277 R11       | PLATE, breaker<br>No. 8 x 3/8" sl-rd-hd. cd-pltd. SCREW<br>No. 8 cd-pltd. lock WASHER |
| 13       | 358 618 R1        | SHAFT, distributor  |
| 14       | 352 298 R1        | WASHER, distributor thrust (2)  |

## ELECTRICAL SYSTEM

| REF. NO.                                 | I. H. PART NUMBER      | DESCRIPTION   |
|--|------------------------|---|
| BATTERY IGNITION DISTRIBUTOR - CONTINUED |                        |   |
| 15                                       | 368 096 R1             | SPRING, distributor cap (2)   |
| 16                                       | 353 895 R1             | SUPPORT, distributor cap spring (2)<br>No. 8 x 3/8" sl-rd-hd. cd-pltd. SCREW (2)<br>No. 8 cd-pltd. lock WASHER (2)        |
| 17                                       | 353 898 R11<br>125 947 | HOUSING w/OIL SEAL, 252 739 R1,<br>RETAINER, 353 899 R1 and PLUG,<br>125 947 distributor<br>PLUG, 1/8" slt. cd-pltd. pipe |
| 18                                       | 353 899 R1             | RETAINER, distributor shaft oil seal  |
| 19                                       | 252 739 R1             | OIL SEAL, distributor shaft   |

### BATTERY IGNITION PUSH-PULL SWITCH



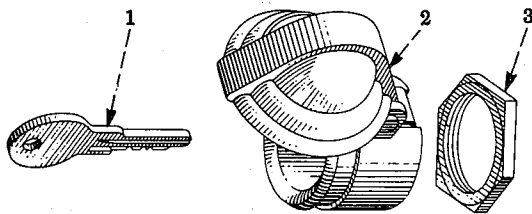
## ELECTRICAL SYSTEM

| REF. NO.                                 | I. H. PART NUMBER | DESCRIPTION   |
|--|-------------------|---|
| BATTERY IGNITION DISTRIBUTOR - CONTINUED |                   |   |
| 20                                       | 352 299 R1        | COUPLING, distributor   |
|  | 353 921 R1        | BUSHING, distributor shaft (furnished as part of Package, 373 577 R91)  |
|  | 373 577 R91       | PACKAGE, distributor shaft field service (consists of BUSHING, 353 921 R1 and installing instructions FZG-2578) |
|  | 354 552 R1        | PIN, distributor coupling   |
|  | 21 394 D          | WASHER, stationary point and terminal (3)   |

| REF. NO.                                      | I. H. PART NUMBER     | DESCRIPTION  |
|---|-----------------------|--|
| BATTERY IGNITION PUSH-PULL SWITCH - CONTINUED |                       |  |
| 1   | 62 801 DC<br>64 022 H | SWITCH, battery ignition push-pull<br>SCREW, slt-special-hd. No. 8 x 5/16" (2)<br>No. 8 cd-pltd. lock WASHER (2) |
| 2   | 8 732 D               | KNOB, switch<br>No. 10 cd-pltd. lock WASHER  |
| 3   | 56 517 DX             | NUT w/SEAL, switch mounting<br>9/16" internal-tooth cd-pltd. lock WASHER   |
| 4   | 57 937 D              | SWITCH, battery ignition (order 62 801 DC)<br>SPACER, battery ignition switch                                    |

### BATTERY IGNITION LOCK SWITCH (Delco-Remy)



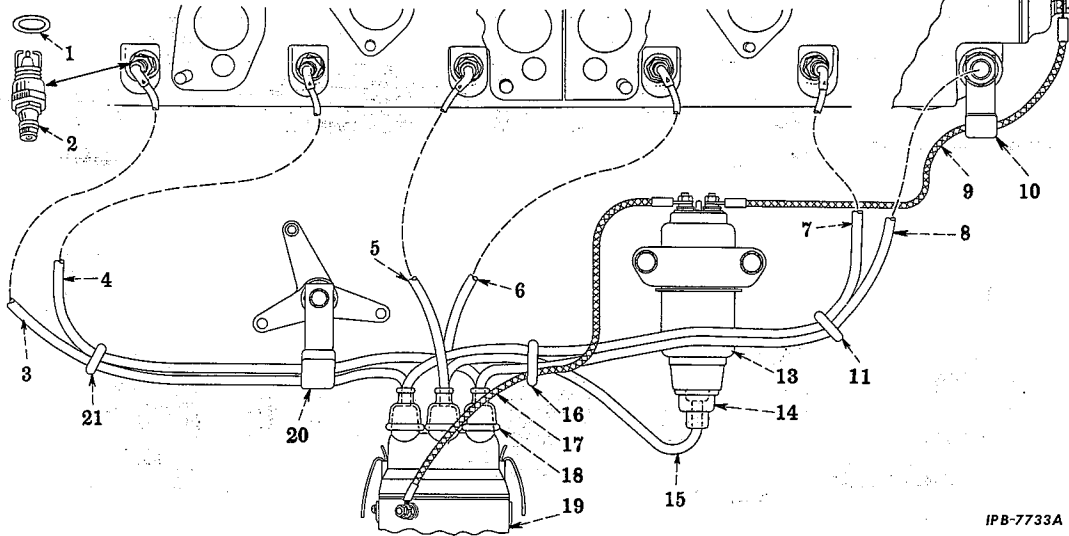
### BATTERY IGNITION LOCK SWITCH - CONTINUED (Delco-Remy)

| REF. NO.   | DELCO-REMY NUMBER | DESCRIPTION                         |
|--|-------------------|-------------------------------------|
| ATTACHMENT, ignition lock switch (See NOTE) (IH No. 275 650 R91) (Consists of the following parts) (See NOTES 1 and 3) |                   |                                     |
| 1  |                   | KEY (order 1842770)                 |
| 2  | 1923400           | NUT w/hinge PIN and SPRING mounting |
| 3  | 1923405           | NUT                                 |
| 4  | 1842770           | LOCK w/two KEYS                     |
| 5  |                   | BODY, switch (order 263 524 R92)    |
| 6  | 1864099           | SCREW, terminal (3)                 |
| 7  | 1855978           | CLIP, lock (terminal) (3)           |

| REF. NO.   | DELCO-REMY NUMBER | DESCRIPTION                                   |
|--|-------------------|---|
| COVER, ignition switch (rubber) (263 692 R1)                               |                   |   |
| 1116513  |                   | SWITCH ASSEMBLY, ignition lock (Composed of - |
|  | 3                 | CLIP 1855978                                  |
|  | 1                 | LOCK 1842770                                  |
|  | 1                 | NUT 1923400                                   |
|  | 1                 | NUT 1923405                                   |
|  | 3                 | SCREW 1864099                                 |
| NOTE 1 - Factory Application - Order on Machine Order Forms.               |                   |   |
| NOTE 3 - Field Application - Order through Regular Service Parts Channels. |                   |   |

# ELECTRICAL SYSTEM

## SPARK PLUGS AND CABLES (Battery Ignition)



IPB-7733A

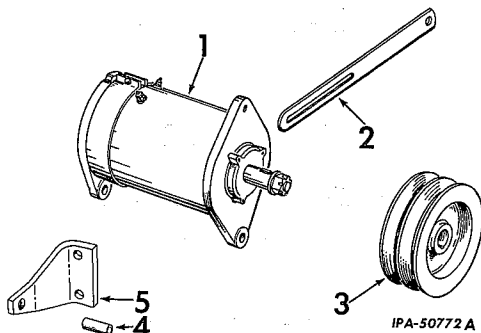
| REF. NO. | I. H. PART NUMBER | DESCRIPTION   |
|----------|-------------------|---|
| 1        | 37 762 H          | GASKET, spark plug (6)  |
| 2        |                   | PLUG w/GASKET, 37 762 H spark (Champion No. D 89-D) (18 MM-7/8" hex.) (6) |
| 2        |                   | PLUG w/GASKET, 37 762 H spark (A. C. No. 18A) (18MM-7/8" hex.) (6)        |
| 2        |                   | PLUG w/GASKET, 37 762 H spark (Auto-Lite No. BT-15) (18 MM-7/8" hex.) (6) |
| 3        | 267 933 R91       | CABLE, No. 6 spark plug   |
| 4        | 267 934 R91       | CABLE, No. 5 spark plug   |
| 5        | 267 935 R91       | CABLE, No. 4 spark plug   |
| 6        | 267 935 R91       | CABLE, No. 3 spark plug   |
| 7        | 267 934 R91       | CABLE, No. 2 spark plug   |
| 8        | 267 933 R91       | CABLE, No. 1 spark plug   |
| 9        | 266 097 R92       | CABLE, manifold to resistor   |
| 10       | 263 308 R91       | CLIP, cable (rubber covered) (attached to intake manifold front end)      |
| 11       | 263 314 R1        | RING, 3/8" rubber   |

## SPARK PLUGS AND CABLES - CONTINUED (Battery Ignition)

| REF. NO. | I. H. PART NUMBER | DESCRIPTION   |
|----------|-------------------|---|
| 13       | 368 839 R91       | COIL w/GLAMP ignition (12 R) 10-32 Type "F" NUT (2)<br>No. 10 lock WASHER (2)<br>5/16 x 5/8" hex-hd. cap SCREW (2)<br>5/16" lock WASHER (2)<br>11/32 x 11/16 x 16 ga. flat WASHER (2) |
| 14       | 251 553 R1        | NIPPLE, distributor to coil cable (2)   |
| 15       | 265 906 R91       | CABLE, distributor to coil (secondary)  |
| 16       | 263 313 R1        | RING, 9/16" rubber  |
| 17       | 266 097 R91       | CABLE, distributor to coil (primary)  |
| 18       | 251 553 R1        | NIPPLE, distributor (6)   |
| 19       | 358 381 R92       | DISTRIBUTOR (for components see list of parts under "Distributor")  |
| 20       | 265 126 R91       | CLIP, cable (rubber coated) (attached to starting valve operating lever bell crank screw)<br>1/4NF x 1-1/4" hex-hd cap SCREW<br>1/4" lock WASHER                                      |
| 21       | 263 314 R1        | RING, 3/8" rubber   |

| REF. NO. | I. H. PART NUMBER      | DESCRIPTION   |
|----------|------------------------|---|
| 1        |                        | GENERATOR (for components see list of parts under details of "Generator")                 |
| 2        | 306 271 R1             | BRACE, generator mounting<br>3/8" NUT<br>3/8 x 7/8" hex-hd. cap SCREW<br>3/8" lock WASHER |
| 3        | 62 493 D<br>304 080 R1 | PULLEY, generator<br>3/32 x 1-1/4" cotter PIN   |
| 4        | 306 214 R1             | SPACER, generator front mounting  |
| 5        | 304 380 R1             | BRACKET, generator<br>3/8 x 1" hex-hd. cap SCREW (2)<br>3/8" lock WASHER (2)              |
|          | 304 379 R1             | BOLT, generator brace   |

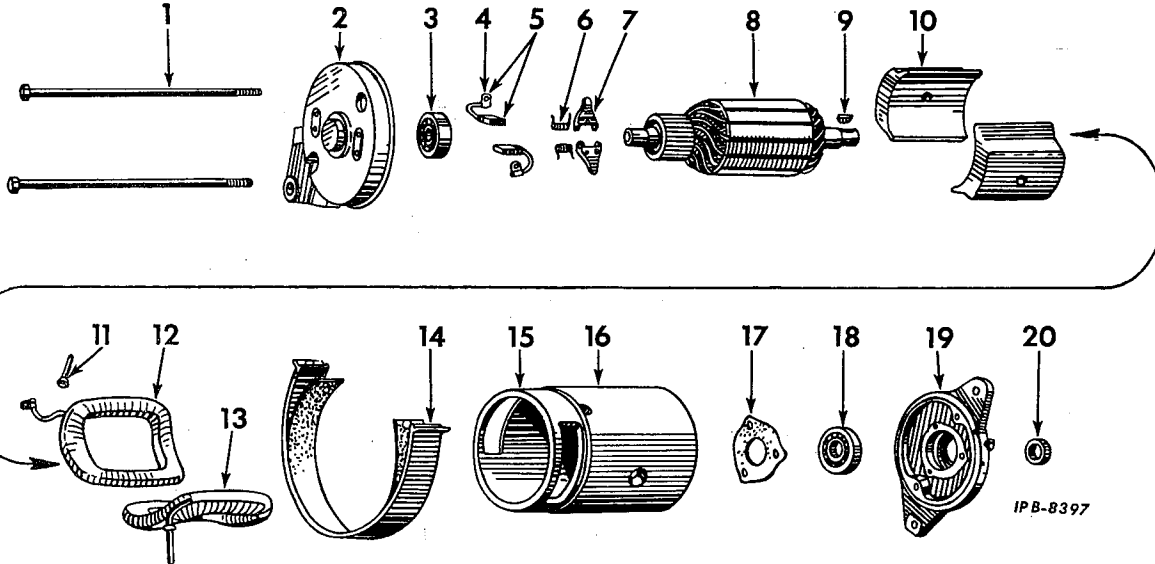
## GENERATOR AND CONNECTIONS



## GENERATOR AND CONNECTIONS - CONTINUED

ELECTRICAL SYSTEM

GENERATOR  
(12 Volt) (Delco-Remy)



IPB-8397

ELECTRICAL SYSTEM

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

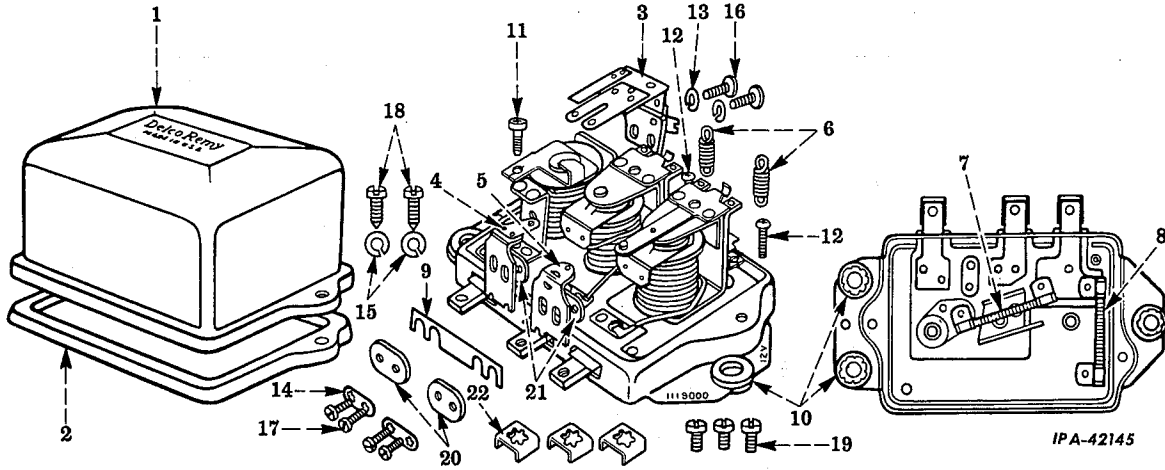
| REF. NO. | DELCO-REMY NUMBER                                  | DESCRIPTION   |
|----------|--|---|
| ⊗        |  | KEY TO UNITS  |
| A-       | 1105102  | GENERATOR ASSEMBLY (not high output) (12 volt)  |
| B-       | 1105111  | GENERATOR ASSEMBLY (high output) (12 volt)  |
| ⊗        |  | Letters of these units correspond with those shown following the description of the parts in the list below and identified the unit for which the part is used, items without letters after the description indicates the part is used for all units. |
| 1        | 809763<br>120638                                   | BOLT, thru (2)<br>WASHER, thru bolt lock (2)  |
| 2        | 1934547<br>1929959<br>1938207                      | FRAME, commutator end (Unit A)<br>RING, bearing retainer<br>FRAME, commutator end (Unit B)  |
| 3        | 900529   | BEARING, commutator end ball  |
| 4        | 200362   | CLIP, terminal to brush   |
| 5        | 1906965<br>141541<br>1904377                       | BRUSH (2)<br>SCREW, brush lead attaching (2)<br>WASHER, brush lead attaching lock (2)   |
| 6        | 1878184  | SPRING, brush (2)   |
| 7        | 1878183<br>1857412                                 | ARM, brush (2)<br>WASHER, brush arm space (2)   |
| 8        | 1934550<br>1938209                                 | ARMATURE (Unit A)<br>ARMATURE (Unit B)  |
| 9        | 124548   | KEY (Woodruff)  |
| 10       | 1018004<br>1883864                                 | SHOE, pole (2)<br>SCREW, pole shoe (2)  |
| 11       | 1858751<br>1902746<br>1881409<br>121743<br>1904661 | STUD, terminal (2)<br>WASHER, insulating terminal stud (2)<br>WASHER, plain terminal stud (2)<br>NUT, terminal stud (4)<br>WASHER, terminal stud lock (4)   |

| REF. NO. | DELCO-REMY NUMBER                        | DESCRIPTION  |
|----------|--|--|
| 12       | 1923472                                  | COIL, RH field   |
| 13       | 1923473                                  | COIL, LH field   |
| 14       | 1879530<br>132923<br>34816               | BAND, cover<br>SCREW, cover band<br>NUT, cover band  |
| 15       | 809062                                   | PIN, dowel, commutator end and drive end (2)   |
| 16       | 131238<br>120380                         | FRAME (Not Furnished Separately)<br>SCREW, frame<br>WASHER, frame lock   |
| 17       | 1935923<br>1904370<br>1880781            | PLATE, drive end ball bearing bearing retainer<br>SCREW, ball bearing retainer plate attaching (3)<br>WASHER, ball bearing retainer plate attaching screw lock (3) |
| 18       | 954554                                   | BEARING, drive end ball  |
| 19       | 1934553                                  | FRAME, drive end   |
| 20       | 1934554<br>1913689<br>1937219<br>1937227 | COLLAR, drive end space (outside)<br>COLLAR, fan (Unit B)<br>COVER, commutator end (Unit B)<br>FAN w/NUT, 806915 commutator end (Unit B)                           |
|          | 1885090<br>42761                         | INSULATOR, terminal (2)<br>KEY, commutator end Woodruff (Unit B)   |
|          | 125384<br>806915                         | NUT, shaft<br>NUT, commutator end fan attaching (Unit B)   |
|          | 132100                                   | SCREW, commutator end cover attaching (3 for Unit B)   |
|          | 1913688                                  | SPACER, fan (Unit B)   |
|          | 1880781                                  | WASHER, cover attaching screw lock (3 for Unit B)  |
|          | 809945                                   | WASHER, commutator end spacer (Unit B)   |



# ELECTRICAL SYSTEM

## VOLTAGE REGULATOR (Delco-Remy)



# ELECTRICAL SYSTEM

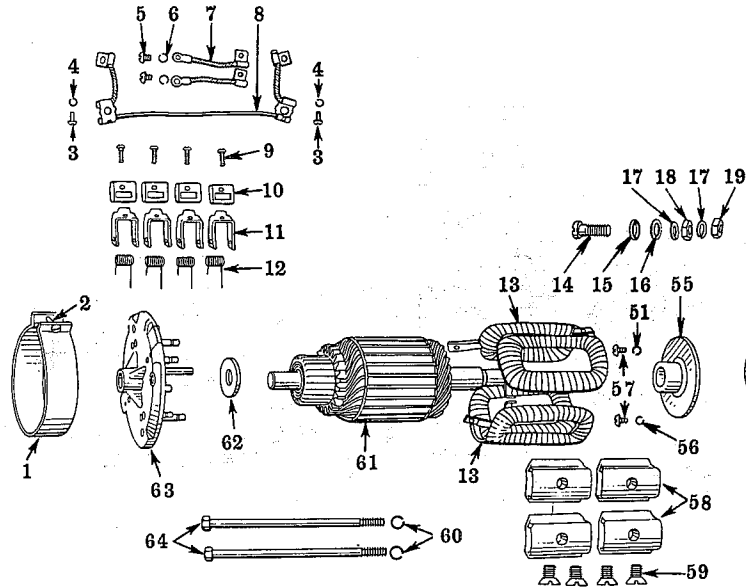
## VOLTAGE REGULATOR - CONTINUED (Delco-Remy)

| REF. NO.  | DELCO-REMY NUMBER | DESCRIPTION  |
|---|-------------------|--|
| ⊗ - KEY TO UNITS  |                   |  |
| A-  | 1119152           | REGULATOR ASSEMBLY, voltage (not used with high output generator attachment) |
| B-  | 1119181           | REGULATOR ASSEMBLY, voltage (used with high output generator attachment)     |
| ⊗ - Letters of these units correspond with those shown following the description of the parts in the list below and identified the unit for which the part is used. Items without letters after the description indicates the part is used for all units. |                   |  |
| 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)  |
| 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 attaching (2)  |
| 17  | 1878516           | SCREW, regulator contact attaching (4)                                       |
| 18  | 1864099           | SCREW, cover (2)   |
| 19  | 1878502           | SCREW, terminal (3)  |
| 20  | 1922599           | INSULATOR, regulator contact attaching screw (2)                             |

| REF. NO. | DELCO-REMY NUMBER | DESCRIPTION   |
|----------|-------------------|---|
| 21       | 1878507           | WASHER, insulator regulator contact attaching screw (2) |
| 22       | 1878503           | CLAMP, terminal (3)                                     |
|          | 1911033           | LEAD, ground (Unit A)                                   |
|          | 1911028           | MOUNT, shock (3 hole) (Unit A)                          |
|          | 1911034           | MOUNT, shock (4 hole) (Unit A)                          |
|          | 124818            | NUT, shock mount attaching (3 for Unit A)               |
|          | 273484            | SCREW, shock mount attaching (3 for Unit A)             |
|          | 1874495           | WASHER, shock mount attaching screw lock (3 for Unit A) |

ELECTRICAL SYSTEM

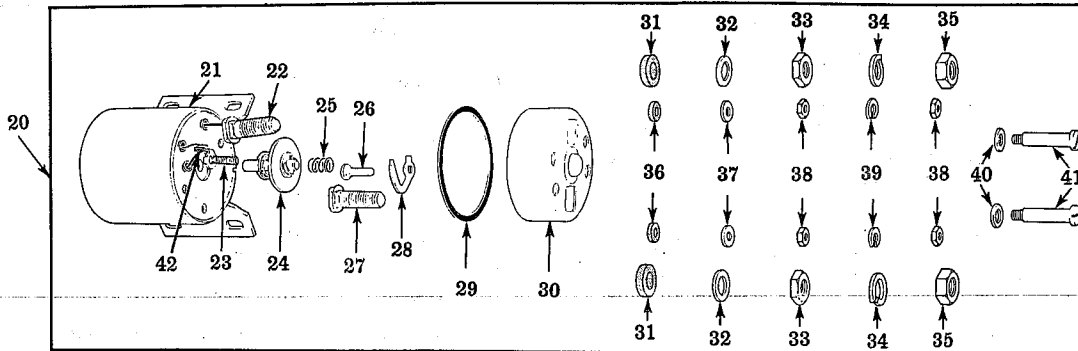
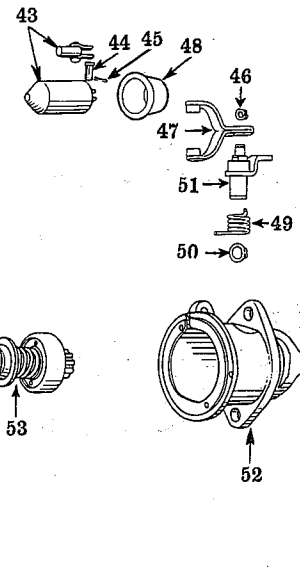
CRANKING MOTOR



IPA-42739 C

ELECTRICAL SYSTEM

CRANKING MOTOR—CONTINUED



| REF. NO. | DELCO-REMY NUMBER | DESCRIPTION  |
|----------|-------------------|--|
|          | 1113345           | CRANKING MOTOR (order 1113367)                         |
| 1        | 1889664           | BAND w/SCREW, 132926, cover                            |
| 2        | 132926            | SCREW, cover band                                      |
| 3        | 1933747           | SCREW, brush lead to field coil attaching (2)          |
| 4        | 120217            | WASHER, brush lead attaching screw lock (2)            |
| 5        | 132908            | SCREW, ground lead attaching (2)                       |
| 6        | 453288            | WASHER, brush ground lead attaching screw lock (2)     |
| 7        | 1931771           | LEAD, brush ground (2)                                 |
| 8        | 1931777           | LEAD, brush jumper                                     |
| 9        | 171734            | SCREW, brush attaching (4)                             |
| 10       | 1906958           | BRUSH (4)  |
| 11       | 1931773           | HOLDER, brush (4)                                      |
| 12       | 1935316           | SPRING, brush (4)                                      |
| 13       | 1934499           | COIL, field (upper and lower) (consists of four coils) |
| 14       | 1933879           | STUD, terminal   |
| 15       | 1857268           | WASHER, terminal stud insulating (7/8")                |
| 16       | 805790            | WASHER, terminal stud outside                          |
| 17       | 120381            | WASHER, terminal stud lock (2)                         |
| 18       | 805258            | NUT, terminal stud (5/32" thick)                       |
| 19       | 134566            | NUT, terminal stud (1/4" thick)                        |

| REF. NO. | DELCO-REMY NUMBER | DESCRIPTION  |
|----------|-------------------|--|
| 20       | 1115501           | SWITCH ASSEMBLY, solenoid starting<br>(Composed of - |
|          | 1                 | BLADE 1935645  |
|          | 1                 | CASE and COIL 1956428                                |
|          | 1                 | CLIP 1937381   |
|          | 1                 | CONTACT and ROD 1952563                              |
|          | 1                 | COVER 1961316  |
|          | 1                 | GASKET 1957650                                       |
|          | 2                 | NUT 134566   |
|          | 4                 | NUT 453996   |
|          | 2                 | NUT 1904419  |
|          | 2                 | SCREW 453468   |
|          | 1                 | SPRING 1853342                                       |
|          | 1                 | STUD 1950061   |
|          | 1                 | STUD 1950069   |
|          | 1                 | STUD 1956427   |
|          | 1                 | STUD 1961333   |
|          | 2                 | WASHER 453290  |
|          | 2                 | WASHER 805790  |
|          | 2                 | WASHER 815540  |
|          | 2                 | WASHER 1915334                                       |
|          | 2                 | WASHER 1923935                                       |
|          | 2                 | WASHER 1950064                                       |
|          | 2                 | WASHER 1950071 )                                     |

Always give cranking MOTOR NUMBER when ordering parts.



**ELECTRICAL SYSTEM**

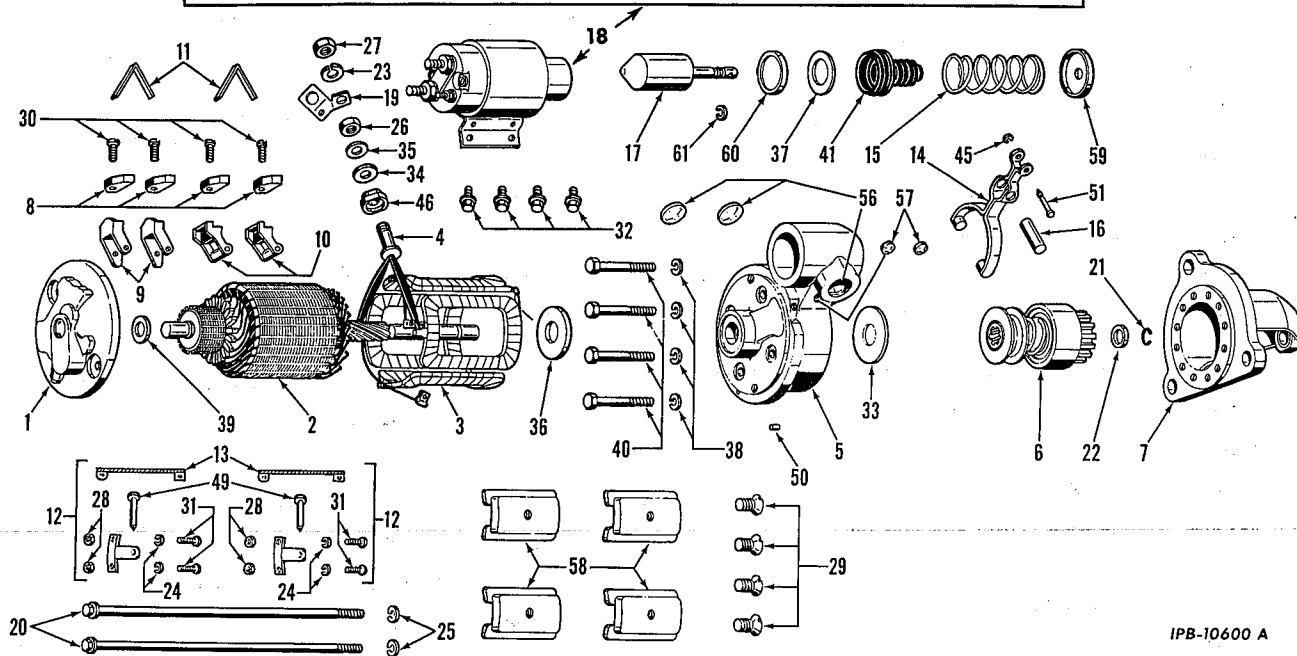
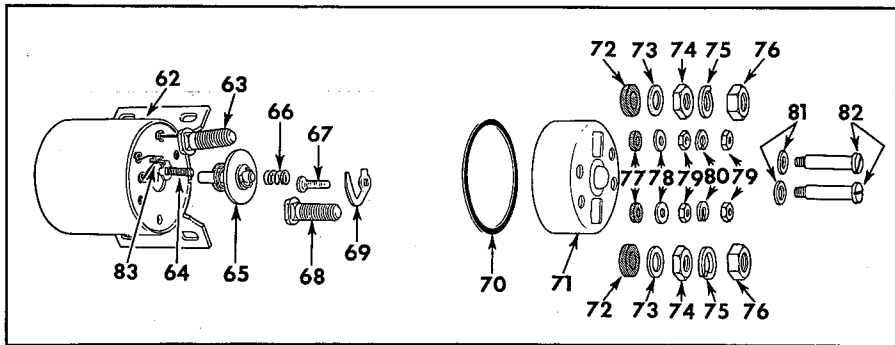
| REF. NO.                        | DELCO-REMY NUMBER | DESCRIPTION   |
|---------------------------------|-------------------|---|
| <b>CRANKING MOTOR—CONTINUED</b> |                   |   |
| 21                              | 1956428           | CASE and COIL   |
| 22                              | 1956427           | STUD, motor terminal  |
| 23                              | 1950069           | STUD, terminal switch   |
| 24                              | 1952563           | CONTACT and ROD   |
| 25                              | 1853342           | SPRING, contact return  |
| 26                              | 1961333           | STUD, resistor terminal   |
| 27                              | 1950061           | STUD, battery terminal  |
| 28                              | 1935645           | BLADE, contact  |
| 29                              | 1957650           | GASKET, cover   |
| 30                              | 1961316           | COVER   |
| 31                              | 1950071           | WASHER, No. 8 insulating terminal (rubber) (2)  |
| 32                              | 815540            | WASHER, No. 8 terminal (plain) (2)  |
| 33                              | 1904419           | NUT, 3/8" terminal (2)  |
| 34                              | 453290            | WASHER, 3/8" terminal lock (2)  |
| 35                              | 134566            | NUT, 3/8" terminal (2)  |
| 36                              | 1950064           | WASHER, 3/8" insulating terminal (rubber) (2)   |
| 37                              | 805790            | WASHER, 3/8" insulating terminal (plain) (2)  |
| 38                              | 453996            | NUT, No. 8-32 terminal (4)  |
| 39                              | 1915334           | WASHER, No. 8 lock (terminal stud) (2)  |
| 40                              | 1923935           | WASHER, cover attaching screw (2)   |
| 41                              | 453 468           | SCREW, cover attaching (2)  |
| 42                              | 1937381           | CLIP, terminal  |
| 43                              | 1945297           | PLUNGER and LINK  |
| 44                              | 1853305           | PIN, shift lever  |
| 45                              | 112726            | PIN, shift lever cotter   |
| 46                              | 1915668           | RING, RH shift lever shaft retainer   |
| 47                              | 1931776           | LEVER, shift  |
| 48                              | 1945296           | BOOT, plunger   |
| 49                              | 1922876           | SPRING, shift lever   |
| 50                              | 1915897           | RING, shift lever shaft retainer  |
| 51                              | 1931807           | LEVER and SHAFT   |
| 52                              | 1935273           | HOUSING w/BUSHING, 826462, PLUG, 125947 and WICK, 1909560 drive   |
| 53                              | 1940134           | DRIVE ASSEMBLY, motor (clutch type)<br>(Composed of -<br>1 BUSHING 37535<br>1 COLLAR 1904443<br>1 LOCKWIRE 1904436<br>1 SPRING 1932354) |
| 54                              | 821453            | WASHER, brake (between center bearing and motor drive)  |
| 55                              | 1934484           | PLATE w/BUSHING, 1934485 center bearing   |
| 56                              | 120217            | WASHER, center bearing attaching screw lock (4)   |

**ELECTRICAL SYSTEM**

| REF. NO.                        | DELCO-REMY NUMBER | DESCRIPTION   |
|---------------------------------|-------------------|---|
| <b>CRANKING MOTOR—CONTINUED</b> |                   |   |
| 57                              | 132900            | SCREW, center bearing attaching (4)   |
| 58                              | 1934477           | SHOE, pole (view notched end face down longer lip on right) (2)   |
| 58                              | 1934478           | SHOE, pole (view notched end face down longer lip on left) (2)  |
| 59                              | 1843646           | SCREW, pole shoe (4)  |
| 60                              | 120214            | WASHER, thru bolt lock (2)  |
| 61                              | 1940135           | ARMATURE  |
| 62                              | 1911232           | WASHER, space (commutator end)  |
| 63                              | 1935250           | FRAME and PIN ASSEMBLY, commutator end<br>(Composed of -<br>1 BUSHING 1935282<br>1 PIN 809062<br>1 PLUG 125947<br>1 WICK 1909560) |
| 64                              | 1911196           | BOLT, thru (2)  |
|                                 | 1872678           | BUSHING, (commutator end)   |
|                                 | 1847199           | CABLE, solenoid starting switch   |
|                                 | 1945250           | CLAMP, boot   |
|                                 | 1928021           | COLLAR, pinion stop (drive end)   |
|                                 | 1913534           | INSULATION, field coil (2)  |
|                                 | 1927033           | LINK, shift lever spacer  |
|                                 | 809593            | PIN, drive end dowel  |
|                                 | 817313            | PIN, brush hinge (2)  |
|                                 | 817314            | PIN, brush holder stop (2)  |
|                                 | 812016            | PIN, brush holder hinge and insulator (2)   |
|                                 | 812015            | PIN, brush holder stop and insulator (2)  |
|                                 | 809062            | PIN, commutator end dowel   |
|                                 | 125947            | PLUG, pipe (commutator and drive end)   |
|                                 | 1935256           | RETAINER, felt washer (commutator end)  |
|                                 | 1928022           | RING, shift lever shaft retainer  |
|                                 | 1916529           | SCREW, solenoid starting switch attaching (4)   |
|                                 | 132119            | SCREW, link attaching   |
|                                 | 1935255           | WASHER, felt retainer (commutator end)  |
|                                 | 813109            | WASHER, space (between center bearing and armature)   |
|                                 | 131183            | WASHER, link attaching lock   |
|                                 | 1931783           | WASHER, 7/8" bushing terminal stud  |
|                                 | 1857268           | WASHER, 7/8" insulating terminal stud   |
|                                 | 1911232           | WASHER, spacer (commutator end)   |
|                                 | 1909560           | WICK, (commutator end and drive end) (2)  |
|                                 |                   | Always give cranking MOTOR NUMBER when ordering parts.  |

ELECTRICAL SYSTEM

CRANKING MOTOR



IPB-10600 A

| REF. NO. | DELCO-REMY NUMBER | DESCRIPTION  |
|----------|-------------------|--|
|          | 1113367           | CRANKING MOTOR (will work for 1113345)   |
| 1        | 1946555           | FRAME w/BUSHING, 1872678, PLUG, 125947 and WICK, 1909654 ASSEMBLY, commutator end  |
| 2        | 1949807           | ARMATURE   |
| 3        | 1946386           | COIL w/STUD, 1945626, ASSEMBLY, field (four coils)   |
| 4        | 1945626           | STUD, terminal   |
| 5        | 1942241           | HOUSING ASSEMBLY, lever<br>(Composed of -<br>1 BUSHING 1933999<br>2 PLUG 9411375<br>1 PLUG 1942957<br>1 PLUG 273913<br>1 WICK 1936465) |
| 6        | 1951180           | DRIVE, motor<br>(Composed of -<br>1 BUSHING 37535<br>1 COLLAR 1904443<br>1 LOCKWIRE 1904436<br>1 SPRING 1932354)                       |

Always give CRANKING MOTOR NUMBER when ordering parts.

ELECTRICAL SYSTEM

CRANKING MOTOR—CONTINUED

| REF. NO. | DELCO-REMY NUMBER | DESCRIPTION   |
|----------|-------------------|---|
| 7        | 1949806           | HOUSING w/BUSHING, 1943628, PLUG, 125947 and WICK, 1909654 ASSEMBLY, 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<br>(Composed of -<br>1 LEAD 1930694<br>2 NUT 120361<br>1 PIN 1938058<br>2 SCREW 445639<br>2 WASHER 120217) |
| 13       | 1930694           | LEAD, ground  |
| 14       | 1942245           | LEVER, shift  |
| 15       | 1942260           | SPRING, lever   |

Always give CRANKING MOTOR NUMBER when ordering parts.



## ELECTRICAL SYSTEM

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

### CRANKING MOTOR - CONTINUED

|    |         |   |
|----|---------|---|
| 16 | 1942255 | SHAFT, lever  |
| 17 | 1942250 | PLUNGER   |
| 18 | 1115501 | SWITCH ASSEMBLY, solenoid starting<br>(Composed of -  |
|    | 1       | BLADE 1935645   |
|    | 1       | CASE and COIL 1956428                                 |
|    | 1       | CLIP 1937381  |
|    | 1       | CONTACT and ROD 1952563                               |
|    | 1       | COVER 1961316   |
|    | 1       | GASKET 1957650  |
|    | 2       | NUT 134566  |
|    | 4       | NUT 453996  |
|    | 2       | NUT 1904419   |
|    | 2       | SCREW 453468  |
|    | 1       | SPRING 1853342  |
|    | 1       | STUD 1950061  |
|    | 1       | STUD 1950069  |
|    | 1       | STUD 1956427  |
|    | 1       | STUD 1961333  |
|    | 2       | WASHER 453290   |
|    | 2       | WASHER 805790   |
|    | 2       | WASHER 815540   |
|    | 2       | WASHER 1915334  |
|    | 2       | WASHER 1923935  |
|    | 2       | WASHER 1950064  |
|    | 2       | WASHER 1950071  |
| 19 | 1946394 | CONNECTOR, switch                                     |
| 20 | 1883865 | BOLT, thru (2)  |
| 21 | 1928022 | RING, pinion stop retainer                            |
| 22 | 1928021 | COLLAR, pinion stop                                   |
| 23 | 120381  | WASHER, terminal stud lock                            |
| 24 | 120217  | WASHER, 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 (2)   |
| 29 | 1843646 | SCREW, pole shoe (4)                                  |
| 30 | 1947695 | SCREW, brush attaching (4)                            |
| 31 | 445639  | SCREW (2)   |
| 32 | 1916529 | SCREW, switch attaching (4)                           |
| 33 | 821453  | WASHER, brake (between lever housing and motor drive) |
| 34 | 1857268 | WASHER, insulating terminal stud                      |
| 35 | 805790  | WASHER, terminal stud plain                           |
| 36 | 1946395 | WASHER, space (between lever housing and armature)    |
| 37 | 1942259 | WASHER, retainer spring                               |
| 38 | 120214  | WASHER, drive housing attaching lock (4)              |
| 39 | 833602  | WASHER, commutator end space                          |
| 40 | 122077  | BOLT, drive housing attaching (4)                     |
| 41 | 1942257 | BOOT  |
| 45 | 1938376 | RING, lever attaching pin snap                        |
| 46 | 1931783 | BUSHING, insulating terminal stud                     |
| 49 | 1938058 | PIN, brush holder                                     |
| 50 | 809593  | PIN, drive housing dowel                              |
| 51 | 1942253 | PIN, lever attaching                                  |
| 56 | 9411375 | PLUG, expansion, lever housing (1-3/16" dia.) (2)     |

Always give CRANKING MOTOR NUMBER when ordering parts.



## ELECTRICAL SYSTEM

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

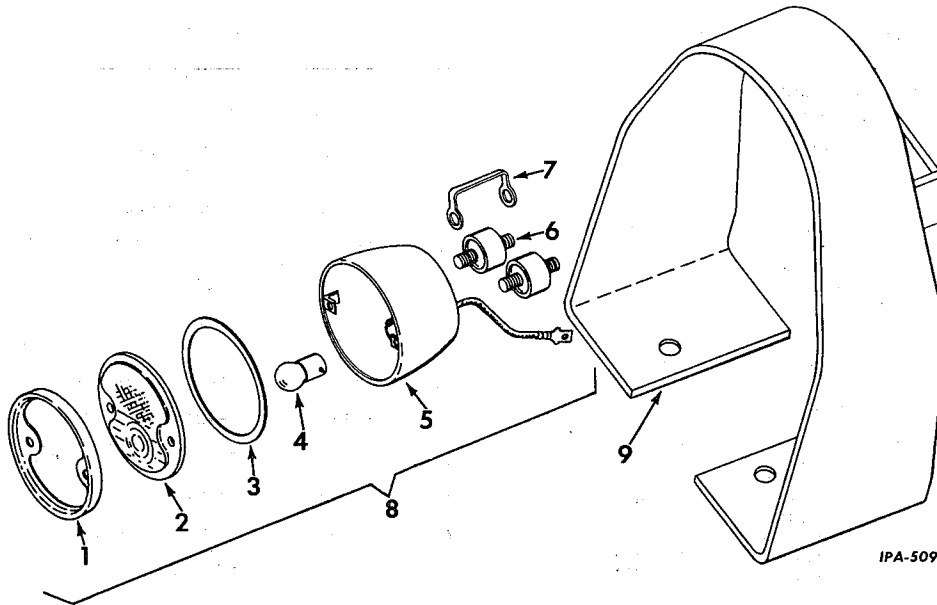
### CRANKING MOTOR-CONTINUED

|    |         |  |
|----|---------|--|
| 57 | 1942957 | PLUG, lever housing pipe (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, plunger spring retainer snap             |
| 62 | 1956428 | CASE and COIL                                  |
| 63 | 1956427 | STUD, motor terminal                           |
| 64 | 1950069 | STUD, terminal switch                          |
| 65 | 1952563 | CONTACT and ROD                                |
| 66 | 1853342 | SPRING, contact return                         |
| 67 | 1961333 | STUD, resistor terminal                        |
| 68 | 1950061 | STUD, battery terminal                         |
| 69 | 1935645 | BLADE, contact                                 |
| 70 | 1957650 | GASKET, cover                                  |
| 71 | 1961316 | COVER  |
| 72 | 1950071 | WASHER, No. 8 insulating terminal (rubber) (2) |
| 73 | 815540  | WASHER, No. 8 terminal (plain) (2)             |
| 74 | 1904419 | NUT, 3/8" terminal (2)                         |
| 75 | 453290  | WASHER, 3/8" terminal lock (2)                 |
| 76 | 134566  | NUT, 3/8" terminal (2)                         |
| 77 | 1950064 | WASHER, 3/8" insulating terminal (rubber) (2)  |
| 78 | 805790  | WASHER, 3/8" insulating terminal (plain) (2)   |
| 79 | 453996  | NUT, No. 8 terminal (4)                        |
| 80 | 1915334 | WASHER, No. 8 lock (terminal stud) (2)         |
| 81 | 1923935 | WASHER, cover attaching screw (2)              |
| 82 | 453468  | SCREW, attaching cover (2)                     |
| 83 | 1937381 | CLIP, terminal                                 |
|    | 1872678 | BUSHING, commutator end                        |
|    | 1943628 | BUSHING, drive end                             |
|    | 1933999 | BUSHING, lever housing                         |
|    | 37535   | BUSHING (motor drive)                          |
|    | 1904443 | COLLAR (motor drive)                           |
|    | 1913534 | INSULATION, field coil (2)                     |
|    | 1904436 | LOCKWIRE (motor drive)                         |
|    | 125947  | PLUG, pipe, commutator end                     |
|    | 125947  | PLUG, pipe, drive end                          |
|    | 273913  | PLUG, pipe, lever housing (15/64" dia.)        |
|    | 1935256 | RETAINER, commutator end felt washer cup       |
|    | 1932354 | SPRING (motor drive)                           |
|    | 1935255 | WASHER, felt commutator end                    |
|    | 1936465 | WICK, lever housing oil                        |
|    | 1909654 | WICK, oil (2)                                  |

Always give CRANKING MOTOR NUMBER when ordering parts.

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        | 142450            | 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)<br>(Composed of -<br>§1 BODY<br>1 BULB 29 939 H<br>1 DOOR 50 500 H<br>1 GASKET 50 502 HA<br>1 LENS 50 501 HA<br>1 MOUNTING 298 420 R91<br>§1 TERMINAL<br>1 TERMINAL 277 418 R1) |

AUXILIARY REAR LIGHT

|             |  |
|-------------|--|
| 281 923 R1  | BRACKET, rear light (See NOTE 1)<br>1/2" NUT (2)<br>1/2 x 1" hex-hd. cap SCREW (2)<br>1/2" lock WASHER (2)                                       |
| 277 472 R91 | CABLE, junction block to rear light (See NOTE 2)   |
| 264 164 R91 | CLIP, cable (rubber covered) (See NOTE 2)  |
| 303 704 R92 | REAR LIGHT ASSEMBLY (Hobbs) (optional with 338 826 R91) (for components see list of parts under details of "Headlights and Rear Lights") (Hobbs) |

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<br>1/2" NUT (2)<br>1/2 x 1-1/4" hex-hd. cap SCREW (2)<br>1/2" lock WASHER (2) |
|          | 277 551 R91       | CABLE, lighting switch to junction block   |
|          | 279 833 R91       | CABLE, junction block to tail light<br>TERMINAL (order 279 760 R91)  |

§ - Not Furnished Separately.

AUXILIARY REAR LIGHT - CONTINUED

|             |  |
|-------------|--|
| 338 826 R91 | REAR LIGHT ASSEMBLY (Guide Lamp) (optional with 303 704 R92) (for components see list of parts under details of "Headlights and Rear Lights") (Guide Lamp) |
| 303 706 R1  | SWIVEL, rear light (See NOTE 1)<br>1/2" NUT<br>1/2 x 2-1/2" hex-hd. cap SCREW<br>1/2" lock WASHER  |

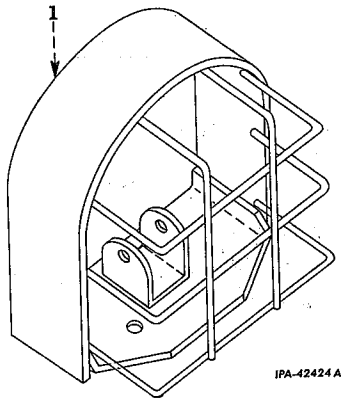
NOTE 1 - Illustrated with "Brackets and Swivels for Headlights and Rear Lights"

NOTE 2 - Illustrated with "Electric Starting and Lighting"



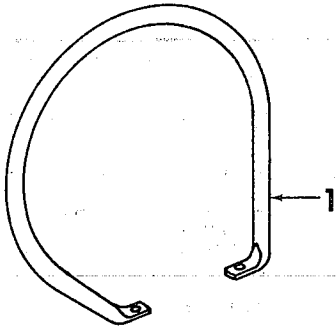
ELECTRICAL SYSTEM

HEADLIGHT BRUSH GUARD



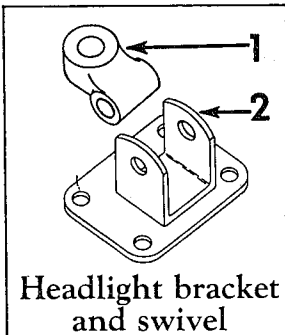
IPA-42424 A

REAR LIGHT BRUSH GUARD



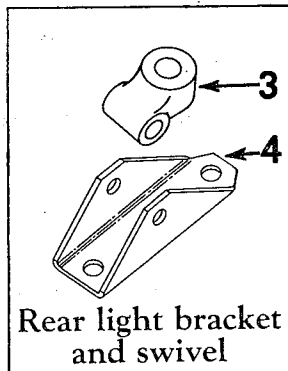
IPA-43704

BRACKETS AND SWIVELS FOR HEADLIGHTS AND REARLIGHTS



Headlight bracket and swivel

IPA-50946



Rear light bracket and swivel



ELECTRICAL SYSTEM

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

HEADLIGHT BRUSH GUARD - CONTINUED

|   |             |  |
|---|-------------|--|
| 1 | 274 571 R92 | GUARD, headlight brush (2)<br>7/16 x 7/8" hex-hd. cap SCREW (8)<br>7/16" lock WASHER (8) |
|---|-------------|--|

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

REAR LIGHT BRUSH GUARD - CONTINUED

|   |            |  |
|---|------------|--|
| 1 | 281 268 R2 | GUARD, rear light brush<br>1/2NF NUT (2)<br>1/2NF x 1-3/4" hex-hd. cap SCREW (2)<br>1/2" lock WASHER (2) |
|---|------------|--|

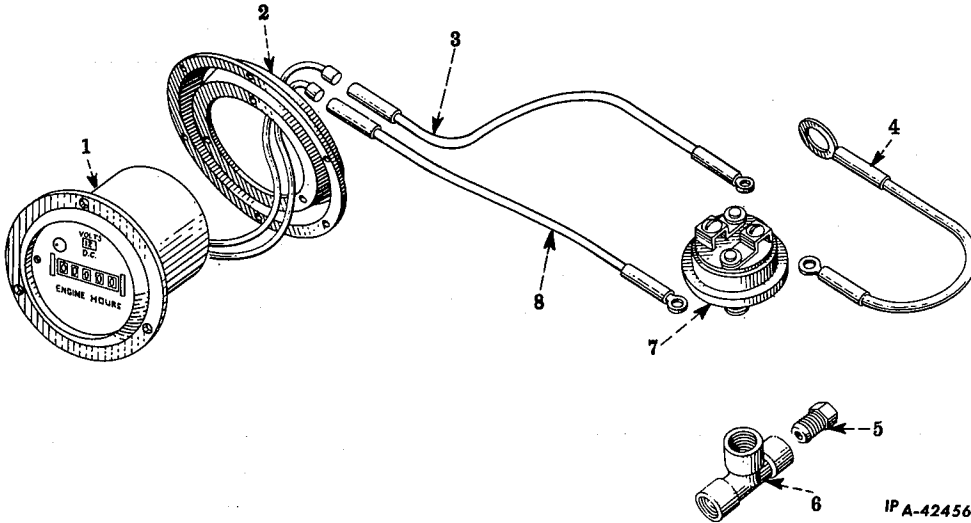
| REF. NO. | I. H. PART NUMBER | DESCRIPTION |
|----------|-------------------|-------------|
|----------|-------------------|-------------|

BRACKETS AND SWIVELS FOR HEADLIGHTS AND REAR LIGHTS - CONTINUED

|   |             |  |
|---|-------------|--|
| 1 | 303 706 R1  | SWIVEL, headlight (2)<br>1/2NF NUT (2)<br>1/2NF x 2-1/2" hex-hd cap SCREW (2)<br>1/2" lock WASHER (2)  |
| 2 | 282 081 R91 | BRACKET, headlight mounting (not used with headlight brush guard attachment) (2)<br>7/16 x 7/8" hex-hd. cap SCREW (8)<br>7/16" lock WASHER (8) |
| 3 | 303 706 R1  | SWIVEL, rear light<br>1/2NF NUT<br>1/2NF x 2-1/2" hex-hd. cap SCREW<br>1/2" lock WASHER  |
| 4 | 281 923 R1  | BRACKET, rear light<br>1/2NF NUT (2)<br>1/2NF x 1-3/4" hex-hd cap SCREW (2)<br>1/2" lock WASHER (2)  |

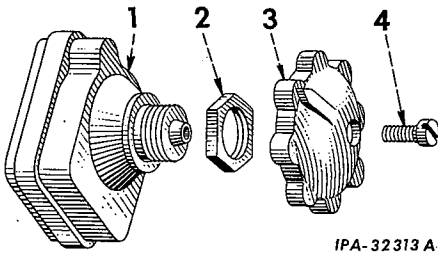
**ELECTRICAL SYSTEM**

**ELECTRIC HOUR METER**  
(Hobbs Corporation)



| REF. NO. | I. H. PART NUMBER | DESCRIPTION   |
|----------|-------------------|---|
|          | 274 580 R92       | ATTACHMENT, electric hour meter (12 volt)<br>(Consists of the following parts)                        |
| 1        | 324 572 R91       | METER, hour<br>No. 6 x 5/16" sl-rd-hd. SCREW (cd-pltd.) (3)<br>No. 6 lock WASHER (cd-pltd.) (3)       |
| 2        | 264 674 R91       | DAMPER, vibration<br>No. 6 x 5/16" sl-rd-hd. SCREW (cd-pltd.) (3)<br>No. 6 lock WASHER (cd-pltd.) (3) |
| 3        | 267 811 R91       | CABLE, ammeter to hour meter  |
| 4        | 274 304 R91       | CABLE, pressure switch to ground  |

**LIGHTING SWITCH**  
(Delco-Remy)



IP A-32313 A

**ELECTRICAL SYSTEM**

**ELECTRIC HOUR METER - CONTINUED**  
(Hobbs Corporation)

| REF. NO. | I. H. PART NUMBER | DESCRIPTION  |
|----------|-------------------|--|
| 5        | 369 987 R1        | NUT, oil pressure gauge tube tee coupling (2)            |
| 6        | 265 874 R1        | FITTING, engine oil pressure gauge tee                   |
| 7        | 132 244 R91       | SWITCH, pressure (Hobbs) (optional with 277 748 R91)     |
| 7        | 277 748 R91       | SWITCH, pressure (Rochester) (optional with 132 244 R91) |
| 8        | 271 066 R91       | CABLE, pressure switch to hour meter                     |

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

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

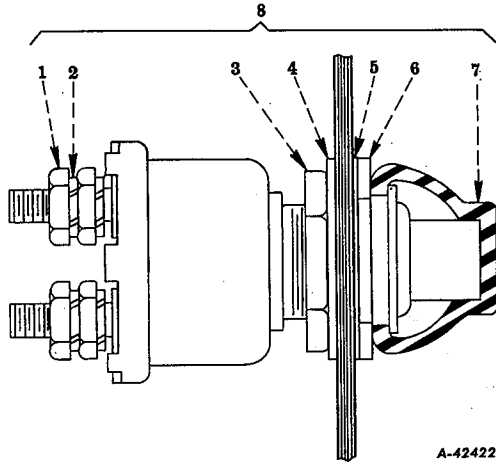
**LIGHTING SWITCH - CONTINUED**  
(Delco-Remy)

|   |         |   |
|---|---------|---|
| 1 | 1994050 | SWITCH, lighting<br>11/16" internal-tooth lock WASHER             |
| 2 | 1882012 | NUT, lighting switch mounting                                     |
| 3 | 1882013 | KNOB, lighting switch   |
| 4 | 1864099 | SCREW, lighting switch knob mounting<br>No. 8 cd-pltd lock WASHER |
|   | 1882994 | SCREW, No. 8 x 3/8" terminal (6)                                  |



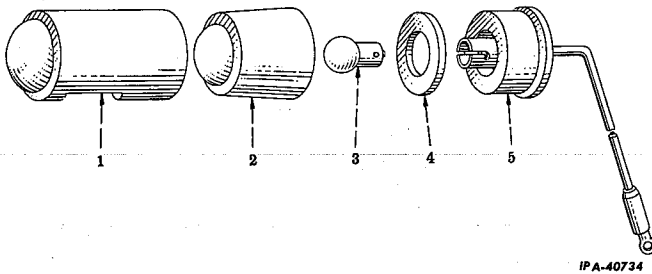
## ELECTRICAL SYSTEM

### STARTING SWITCH (Delco-Remy)



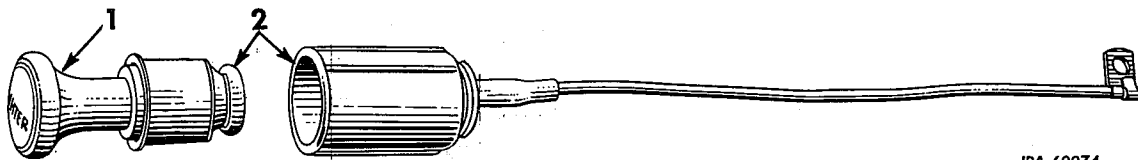
A-42422

### DASH LIGHT (Guide Lamp Corporation)



IPA-40734

### CIGARETTE LIGHTER



IPA-60074

| REF. NO. | I. H. PART NUMBER | DESCRIPTION   |
|----------|-------------------|---|
|          | 278 730 R91       | ATTACHMENT, cigarette lighter (Consists of the following parts) (See NOTES 1 and 2) |
| 1        | 363 422 R91       | UNIT, pop-out   |
| 2        |                   | LIGHTER w/UNIT 363 422 R91, cigarette (12 volt) (order 278 730 R91)                 |



## ELECTRICAL SYSTEM

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

### STARTING 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 | ROOT                      |
| 8 | 1996080 | SWITCH ASSEMBLY, starting |

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

### DASH LIGHT - CONTINUED (Guide Lamp Corporation)

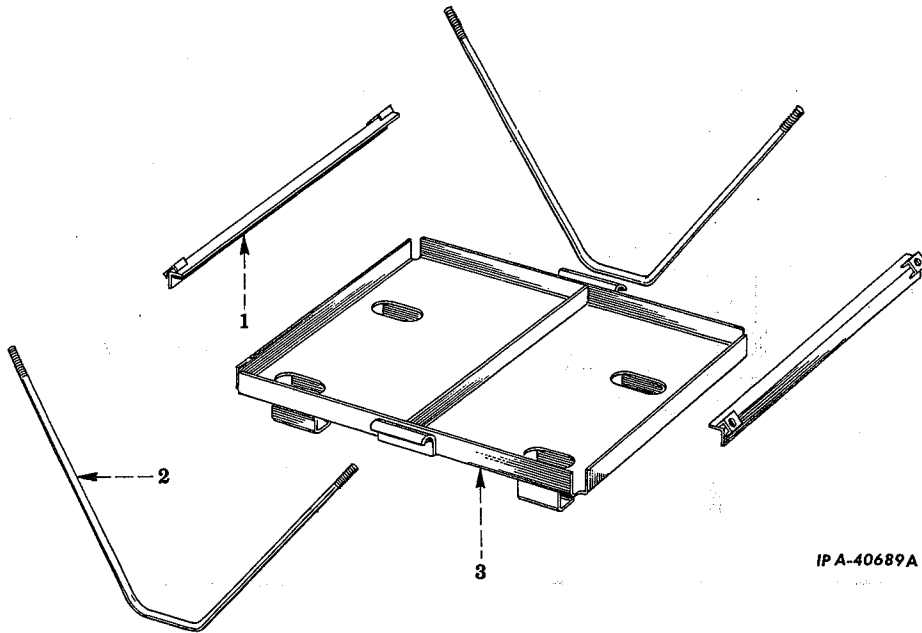
|   |             |  |
|---|-------------|--|
|   | 271 077 R91 | LIGHT ASSEMBLY, dash (897787) (2)          |
| 1 | 313 095 R1  | COVER (5948941) (will work for 271 588 R1) |
| 2 | 89 884 R1   | LENS, outlook glass (922042)               |
| 3 | 193 125     | BULB (6 cp. 12 volt) (631)                 |
| 4 | 89 883 R1   | GASKET (923079)                            |
| 5 | 271 587 R91 | SOCKET and WIRING (5946285)                |
|   | 89 886 R91  | SCREW (923088) (2)                         |

### CIGARETTE LIGHTER - CONTINUED

| REF. NO. | I. H. PART NUMBER | DESCRIPTION   |
|----------|-------------------|---|
|          |                   | NOTE 1 - Factory Application - Order on Machine Order Form. |
|          |                   | NOTE 2 - Field Application - Order on Machine Order Form.   |

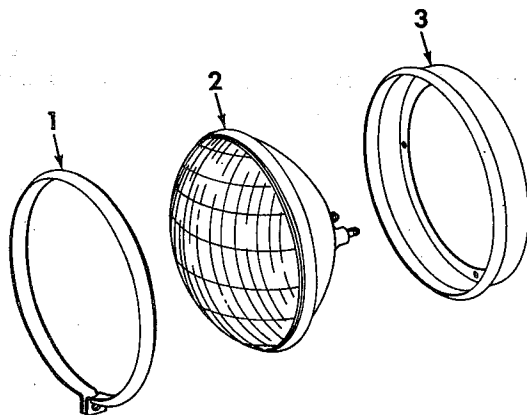
# ELECTRICAL SYSTEM

## BATTERY BOX



| REF. NO. | I. H. PART NUMBER | DESCRIPTION   |
|----------|-------------------|---|
| 1        | 277 022 R1        | RETAINER, battery hold-down (2)   |
| 2        | 272 192 R1        | BOLT, battery hold-down (2)<br>3/8" wing NUT (4)<br>3/8" wing lock WASHER (4) |
| 3        | 272 185 R11       | SUPPORT, battery<br>1/2 x 1" hex-hd. cap SCREW (4)<br>1/2" lock WASHER (4)    |

## HEADLIGHT AND REAR LIGHT (United Specialties)

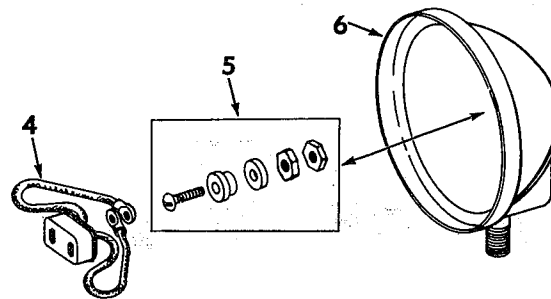


# ELECTRICAL SYSTEM

## BATTERY BOX - CONTINUED

| REF. NO. | I. H. PART NUMBER | DESCRIPTION   |
|----------|-------------------|---|
|          |                   | HIGH OUTPUT GENERATOR   |
|          |                   | GENERATOR ASSEMBLY, high output (for components see list of parts under details of "Generator")     |
|          |                   | REGULATOR ASSEMBLY, voltage (for components see list of parts under details of "Voltage Regulator") |

## HEADLIGHT AND REAR LIGHT - CONTINUED (United Specialties)



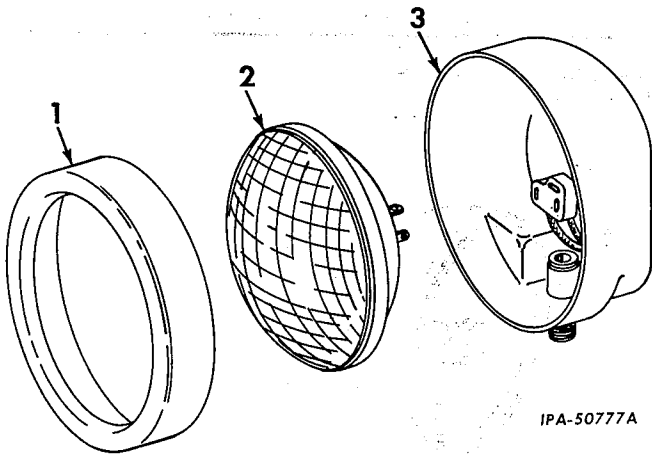




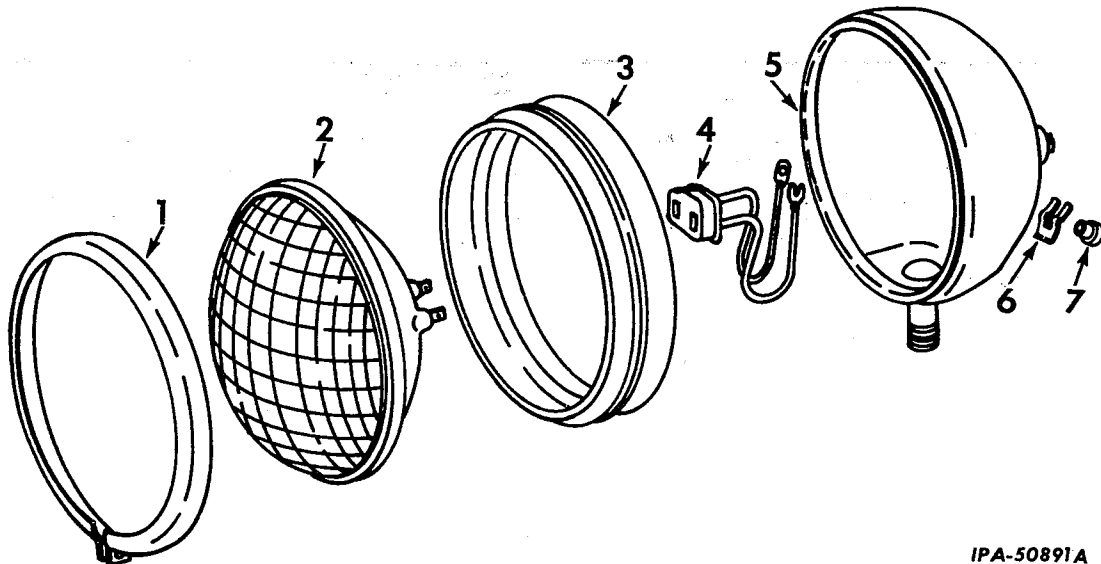
### ELECTRICAL SYSTEM

| REF. NO.  | I.H. PART NUMBER | DESCRIPTION  |
|---|------------------|--|
| HEADLIGHT AND REAR LIGHT -- CONTINUED<br>(United Specialties) |                  |  |
| 1   | 303 715 R91      | CLAMP (718B1K011) (3)<br>No. 10 hex-hd. slt. mach. SCREW (3) |
| 2   | 272 061 R91      | UNIT, sealed (4478) (3)                                      |
| 3   | 303 716 R91      | GASKET (615BX14A) (3)  |
| 4   | 303 717 R91      | BLOCK, terminal (834A3) (3)                                  |

#### HEADLIGHT AND REAR LIGHT (Hobbs)



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



### ELECTRICAL SYSTEM

| REF. NO.  | I.H. PART NUMBER | DESCRIPTION   |
|---|------------------|---|
| HEADLIGHT AND REAR LIGHT -- CONTINUED<br>(United Specialties) |                  |   |
| 5   | 303 718 R91      | NUT, screw insulation (139A2) (3)   |
| 6   |                  | HOUSING, light (Not Furnished Separately) (3)<br>1/2NF NUT (3)<br>1/2" lock WASHER (3)<br>SCREW, No. 8 x 1/2" self tapping (12) |

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

#### HEADLIGHT AND REAR LIGHT -- CONTINUED (Hobbs)

|             |  |              |
|-------------|--|--------------|
| 303 704 R92 | HEADLIGHT AND REAR LIGHT ASSEMBLY<br>(optional with 338 826 R91) (MI 1498) (3)<br>(Composed of - |              |
| 1           | RETAINER   | 303 722 R1   |
| §1          | SHELL  |              |
| 1           | SUPPORT  | 303 724 R1   |
| 1           | UNIT   | 272 061 R91) |
|             | 1/2NF NUT (3)  |              |
|             | 1/2" lock WASHER (3)   |              |

|   |             |   |
|---|-------------|---|
| 1 | 303 722 R1  | RETAINER, lamp (3736) (3)                           |
| 2 | 272 061 R91 | UNIT, sealed (4478) (3)                             |
| 3 |             | SHELL (order 303 704 R91) (3)                       |
|   |             | SCREW, No. 8 x 5/16" tapping (Phosphate coated) (3) |
|   | 303 724 R1  | SUPPORT, lamp (3737) (3)                            |

§ - Not Furnished Separately.

#### HEADLIGHT AND REAR LIGHT -- CONTINUED (Guide Lamp)



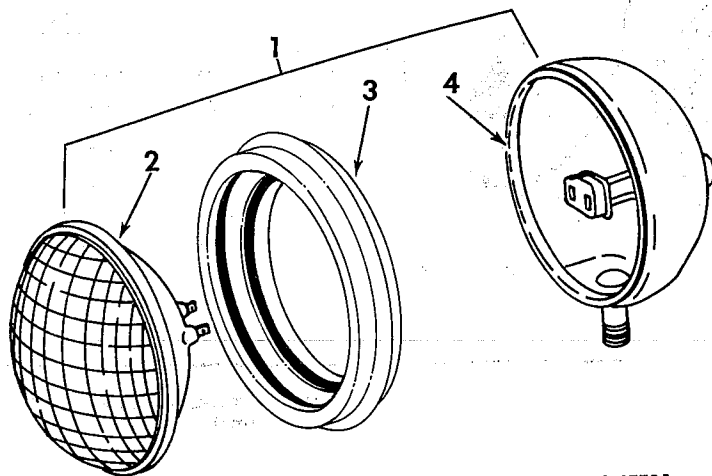
## ELECTRICAL SYSTEM

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

### HEADLIGHT AND REAR LIGHT - CONTINUED (Guide Lamp)

|             |   |                       |
|-------------|---|-----------------------|
| 303 705 R91 | HEADLIGHT and REAR LIGHT ASSEMBLY<br>(order 338 826 R91) (899285) (3)<br>(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            |
| 1           | SCREW   | 53 526 D              |
| 1           | SPRING  | 79 408 H              |
| 1           | UNIT  | 272 061 R91           |
|             | 1/2NF NUT (3)   |                       |
|             | 1/2" lock WASHER (3)  |                       |
| 1           | 305 162 R91   | MOLDING (5949722) (3) |
|             | 53 526 D  | SCREW, (912048) (3)   |

### HEADLIGHT AND REAR LIGHT (Guide Lamp)



IPA-67725

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

|   |             |   |
|---|-------------|---|
| 1 | 338 826 R91 | HEADLIGHT and REAR LIGHT ASSEMBLY<br>(optional with 303 704 R92) (will work for<br>303 705 R91) (899600) (3)<br>1/2NF NUT (3)<br>1/2" lock WASHER (3) |
|---|-------------|---|



## ELECTRICAL SYSTEM

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

### HEADLIGHT AND REAR LIGHT - CONTINUED (Guide Lamp)

|   |             |  |
|---|-------------|--|
| 2 | 272 061 R91 | UNIT, sealed (4478) (3)  |
| 3 | 305 164 R1  | RING, resilient mounting (5949719) (3)   |
| 4 | 305 161 R91 | CONNECTOR and WIRE (921232) (3)  |
| 5 |             | BODY (order 303 705 R91) (3)   |
| 6 | 79 408 H    | SPRING (922785) (3)  |
| 7 | 68 417 D    | PLATE, terminal (922786) (3)   |
|   | 305 163 R91 | MOLDING (5949723) (3)  |
|   | 53 526 D    | SCREW (912048) (3)   |
|   |             | SCREW, No. 8 x 5/16" slt-rd-hd. mach.<br>terminal plate (cadmium or zinc plated) (6) |
|   |             | WASHER, terminal plate lock (No. 8 internal<br>tooth) (cadmium or zinc plated) (6)   |
|   |             | § - Not Furnished Separately.  |

### HEADLIGHT AND REAR LIGHT - CONTINUED (Guide Lamp)

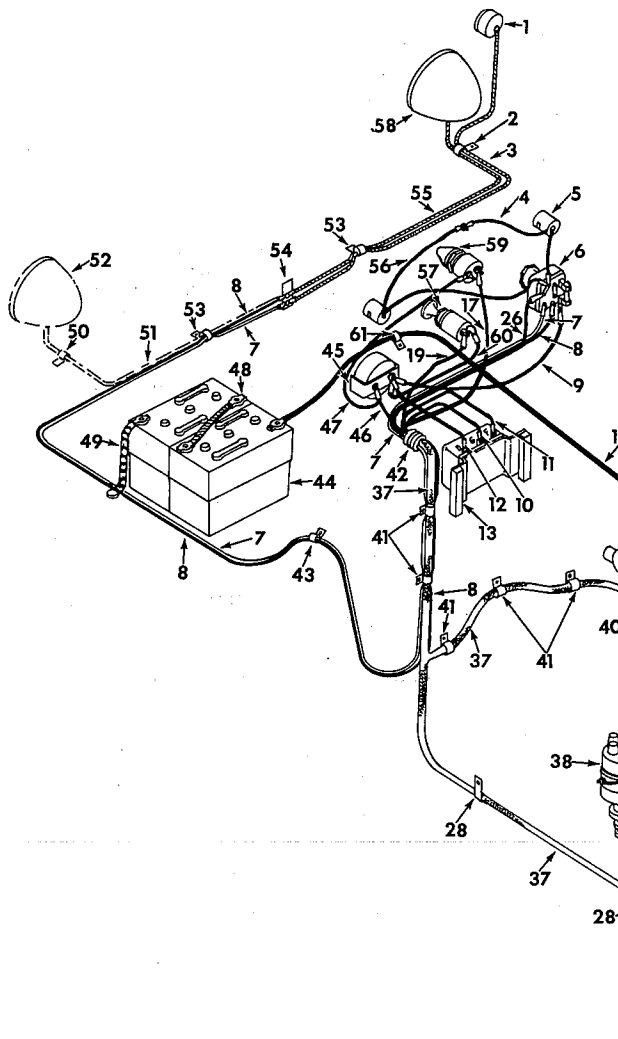
| REF. NO. | I. H. PART NUMBER | DESCRIPTION |
|----------|-------------------|-------------|
|----------|-------------------|-------------|

|   |             |                                     |
|---|-------------|-------------------------------------|
| 2 | 272 061 R91 | UNIT, sealed (4478) (3)             |
| 3 | 338 896 R1  | RETAINER, sealed unit (5932776) (3) |
| 4 |             | BODY (order 338 826 R91) (3)        |



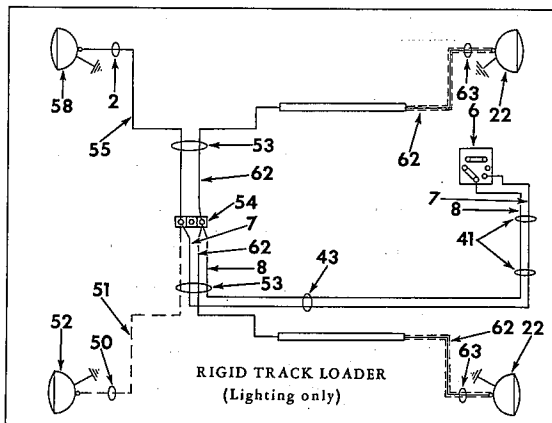
# ELECTRICAL SYSTEM

**ELECTRIC STARTING AND LIGHTING**  
(Battery Ignition)



# ELECTRICAL SYSTEM

**ELECTRIC STARTING AND LIGHTING - CONTINUED**  
(Battery Ignition)



IPB-10688

| REF. NO. | I. H. PART NUMBER | DESCRIPTION  |
|----------|-------------------|--|
| 1        | 279 760 R91       | LIGHT, tail (special) (for components see list of parts under details of "Tail Light and Guard")                         |
| 2        | 263 717 R91       | CLIP, cable (rubber coated) (mounted on rear light bracket inner bolt)   |
| 3        | 279 833 R91       | CABLE, junction block to tail light (special)  |
| 4        | 274 304 R91       | CABLE, LH dash light ground  |
| 5        | 271 077 R91       | LIGHT ASSEMBLY, dash (for components see list of parts under details of "Dash Light") (2)                                |
| 6        |                   | SWITCH ASSEMBLY, lighting (Delco-Remy No. 1994050) (for components see list of parts under details of "Lighting Switch") |
| 7        | 277 551 R92       | CABLE, lighting switch to tail light junction block (special) (red)  |

| REF. NO. | I. H. PART NUMBER | DESCRIPTION   |
|----------|-------------------|---|
| 8        | 32 047 DB         | CABLE, lighting switch to rear light junction block (black)   |
| 9        | 358 588 R91       | CABLE, lighting switch to positive on ammeter   |
| 10       |                   | CABLE, "A" terminal on generator to "GEN" terminal on regulator (yellow) (order 304 225 R92)  |
| 11       |                   | CABLE "F" on generator to "F" on regulator (blue) (order 304 225 R92)   |
| 12       | 266 757 R91       | CABLE, ammeter to "BATT" on regulator   |
| 13       |                   | REGULATOR ASSEMBLY, voltage (Delco-Remy No. 1119935) (standard) (for components see list of parts under details of "Voltage Regulator") |
| 13       |                   | REGULATOR ASSEMBLY, voltage (Delco-Remy No. 1119181) (special) (for components see list of parts under details of "Voltage Regulator")  |

## ELECTRICAL SYSTEM

| REF. NO.   | I.H. PART NUMBER | DESCRIPTION  |
|--|------------------|--|
| ELECTRIC STARTING AND LIGHTING - CONTINUED<br>(Battery Ignition) |                  |  |
| 14   | 322 939 R91      | CABLE, battery to solenoid (used on TD-15-700-0)   |
| 14   | 274 455 R91      | CABLE, battery to solenoid (not used on TD-15-700-0)   |
| 15   | 264 196 R91      | CLIP, cable (mounted on fuel pipe mounting bolt)   |
| 16   |                  | SWITCH ASSEMBLY, solenoid (Delco-Remy No. 1119778) (for components see list of parts under details of "Cranking Motor")  |
| 17   |                  | CABLE, starting switch to solenoid (gray) (order 304 225 R92)  |
| 18   |                  | CABLE, solenoid to cranking motor (Delco-Remy No. 1847199)   |
| 19   |                  | CABLE, ignition switch to ignition cut-out switch (order 304 225 R92)  |
| 20   | 264 171 R12      | COVER ASSEMBLY, front intake manifold (for components see list of parts under details of "Intake Manifold")  |
| 21   | 265 904 R91      | CABLE, resistor to ignition cut-out switch   |
| 22   | 303 704 R92      | HEADLIGHT ASSEMBLY (Hobbs) (for components see list of parts under details of "Headlight and Rear Light") (optional with 338 826 R91) (2)  |
| 22   | 338 826 R91      | HEADLIGHT ASSEMBLY (Guide Lamp) (for components see list of parts under details of "Headlight and Rear Light") (optional with 303 704 R92) (2)<br>1/2NF NUT (2)<br>1/2" lock WASHER (2)                |
| 23   | 274 456 R91      | CABLE, headlight to headlight  |
| 26   |                  | CABLE, lighting switch to headlight junction block (black) (order 304 225 R92)   |
| 27   | 264 164 R91      | CLIP, cable (rubber covered) (mounted on fan housing) (4)  |
| 28   | 263 514 R91      | CLIP, cable (rubber covered) (mounted on RH main frame side channel) (3)   |
| 29   | 263 514 R91      | CLIP, cable (rubber covered) (mounted on hydraulic pump inner bottom mounting bolt)  |
| 30   |                  | GENERATOR ASSEMBLY (Delco-Remy No. 1105102) (standard) (for components see list of parts under details of "Generator")   |
| 30   |                  | GENERATOR ASSEMBLY (Delco-Remy No. 1105111) (special) (for components see list of parts under details of "Generator")<br>1/2NF NUT (2)<br>1/2NF x 1-1/2" hex-hd. cap SCREW (2)<br>1/2" lock WASHER (2) |
| 31   | 263 514 R91      | CLIP, cable (rubber covered) (mounted on hydraulic pump inner top mounting bolt)   |
| 32   | 263 308 R91      | CLIP, cable (rubber covered) (mounted on intake manifold front bolt)<br>17/32 x 1-1/16 x 3/32" flat WASHER   |
| 33   | 62 862 D         | CABLE, coil to resistor terminal on solenoid   |
| 34   | 357 929 R91      | CABLE, resistor to coil  |

## ELECTRICAL SYSTEM

| REF. NO.   | I.H. PART NUMBER | DESCRIPTION   |
|--|------------------|---|
| ELECTRIC STARTING AND LIGHTING - CONTINUED<br>(Battery Ignition) |                  |   |
| 35   | 368 839 R91      | COIL, ignition (12R)  |
| 36   | 368 989 R91      | CLAMP and RESISTOR, coil  |
| 37   | 304 225 R92      | HARNESS, cable  |
| 38   | 358 381 R92      | DISTRIBUTOR ASSEMBLY (for components list of parts under details of "Distributor")  |
| 39   | 265 906 R91      | CABLE, distributor to coil secondary  |
| 40   |                  | MOTOR ASSEMBLY, cranking (Delco-Remy No. 1113345) (for components see list of parts under details of "Cranking Motor")<br>1/2NF x 1-1/8" hex-hd. cap SCREW (3)<br>1/2" lock WASHER (3)            |
| 41   |                  | CLIP, cable (rubber covered) (welded on dash) (5)   |
| 42   | 112 745          | GROMMET, cable harness (on dash)  |
| 43   | 263 717 R91      | CLIP, cable (rubber covered) (mounted on outer front bolt at brake inspection cover)  |
| 44   |                  | BATTERY (dry charged) (Auto-Lite 4HG-160 R2) (optional with 4H-2222) (2)  |
| 44   |                  | BATTERY (dry charged) (Globe-Union 4H-2222) (optional with 4HG-160 R2) (2)  |
| 45   | 269 467 R92      | AMMETER (Rochester) (also listed with "Instruments and Instrument Panel")   |
| 46   |                  | CABLE, ammeter to solenoid (red) (order 304 225 R92)  |
| 47   |                  | CABLE, ammeter to starting switch (green) (order 304 225 R92)   |
| 48   | 253 738 R91      | CABLE, battery to battery   |
| 49   | 266 855 R91      | CABLE, battery to ground  |
| 50   | 263 717 R91      | CLIP, cable (rubber covered) (mounted on auxiliary rear light bracket inner bolt)   |
| 51   | 277 472 R91      | CABLE, junction block to auxiliary rear light TD-150-501 to 1604  |
| 51   | 62 860 D         | CABLE, junction block to auxiliary rear light TD-150-1605 up  |
| 52   | 303 704 R92      | REAR LIGHT ASSEMBLY, auxiliary (Hobbs) (special) (for components see list of parts under details of "Headlight and Rear Light") (optional with 338 826 R91)                                       |
| 52   | 338 826 R91      | REAR LIGHT ASSEMBLY, auxiliary (Guide Lamp) (special) (for components see list of parts under details of "Headlight and Rear Light") (optional with 303 704 R92)<br>1/2NF NUT<br>1/2" lock WASHER |
| 53   | 263 514 R91      | CLIP, cable (rubber covered) (mounted on seat support, rear) (2)  |
| 54   | 300 559 R91      | BLOCK, rear light junction<br>No. 10 NF NUT (2)<br>No. 10 NF x 3/4" slt-rd-hd. mach. SCREW (2)<br>No. 10 lock WASHER (2)  |

ELECTRICAL SYSTEM

MEMORANDUM

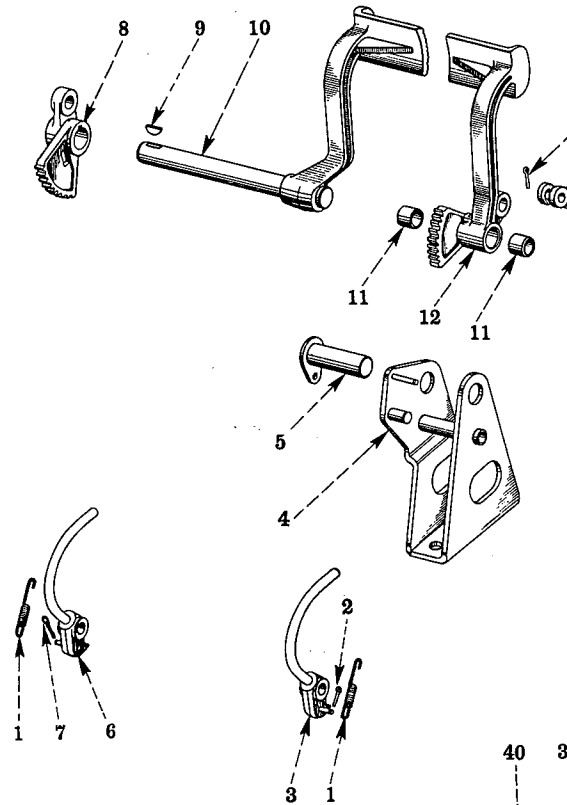
| REF. NO. | I. H. PART NUMBER | DESCRIPTION |
|----------|-------------------|-------------|
|----------|-------------------|-------------|

ELECTRIC STARTING AND LIGHTING - CONTINUED  
(Battery Ignition)

|    |             |  |
|----|-------------|--|
| 55 | 277 472 R91 | CABLE, junction block to rear light TD-150-501 to 1604   |
| 55 | 62 860 D    | CABLE, junction block to rear light TD-150-1605 up   |
| 56 | 274 305 R91 | CABLE, RH dash light to ground terminal<br>No. 10 NUT<br>No. 10 x 1/2" slt-rd-hd. mach. SCREW<br>No. 10 lock WASHER  |
| 57 | 62 801 DC   | SWITCH ASSEMBLY, ignition (for components see list of parts under details of "Ignition Switch")  |
| 58 | 303 704 R92 | REAR LIGHT ASSEMBLY (Hobbs) (for components see list of parts under details of "Headlight and Rear Light") (optional with 338 826 R91)                                       |
| 58 | 338 826 R91 | REAR LIGHT ASSEMBLY (Guide Lamp) (for components see list of parts under details of "Headlight and Rear Light") (optional with 303 704 R92)<br>1/2NF NUT<br>1/2" lock WASHER |
| 59 |             | SWITCH ASSEMBLY, starting (Delco-Remy No. 1996080) (for components see list of parts under details of "Starting Switch")   |
| 60 | 266 760 R91 | CABLE, ignition switch to positive on ammeter (will work for 62 859 D)   |
| 61 | 267 787 R91 | CLIP, cable (rubber covered) (mounted on hydraulic booster support, outside rear mounting bolt)  |
| 62 | 316 646 R91 | CABLE, rear junction block to front lamp (used on Rigid Track Loader Tractors only) (2)  |
| 63 | 263 717 R91 | CLIP, cable (on front lamp bracket rear inner bolt) (used on Rigid Track Loader Tractors only) (2)   |
|    | 356 062 R91 | BOLT, battery terminal   |
|    | 432 644     | FUSE, lighting switch  |
|    | 273 406 R1  | GROMMET, dash light mounting (2)   |
|    | 271 080 R1  | SCREW, dash light mounting (6)<br>No. 12 internal tooth lock WASHER (4)  |
|    | 354 260 R1  | SPACER, junction block   |
|    | 273 405 R1  | WASHER, dash light mounting (4)<br><br>WASHER, 1/2" internal-external tooth lock (battery to ground cable)   |

# STEERING SYSTEM

## STEERING BRAKES AND CONTROLS

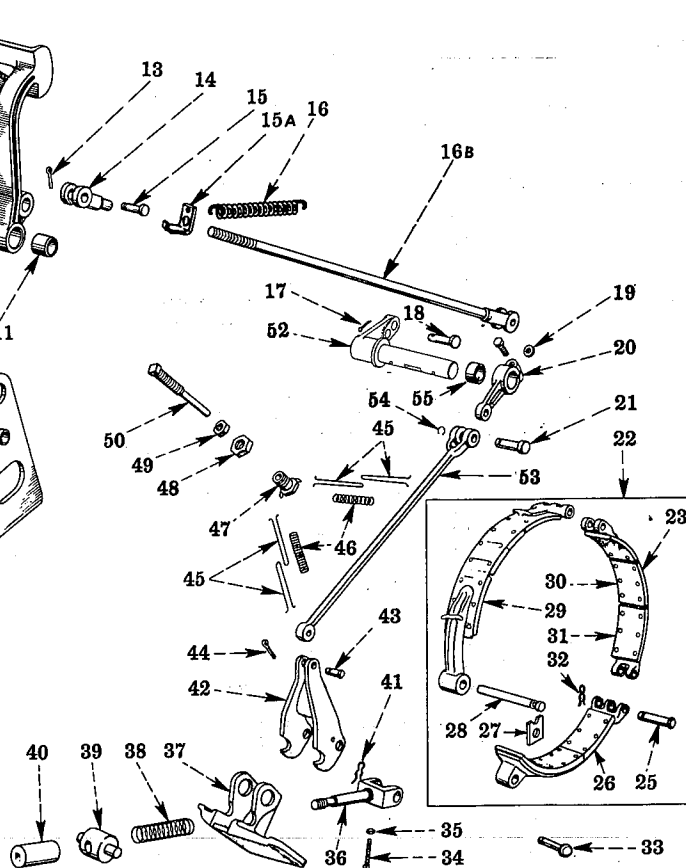


IPA-42429 D

| REF. NO. | I.H. PART NUMBER | DESCRIPTION  |
|----------|------------------|--|
| 1        | 272 182 R1       | SPRING, brake locking pawl (2)   |
| 2        |                  | PIN, brake pedal ratchet pawl pivot cotter (1/8 x 3/4")  |
| 3        | 272 177 R91      | PAWL, LH brake ratchet   |
| 4        | 274 200 R92      | SUPPORT, LH brake pedal<br>5/8 x 1" hex-hd. cap SCREW (2)<br>17/32 x 1-1/16 x No. 13 ga. flat WASHER |
| 5        | 272 174 R11      | SHAFT, LH brake pedal<br>3/8 x 5/8" hex-hd. cap SCREW<br>3/8" lock WASHER                            |
| 6        | 272 178 R91      | PAWL, RH brake ratchet   |
| 7        |                  | PIN, brake pedal ratchet pawl pivot cotter (1/8 x 3/4")  |
| 8        | 272 176 R1       | ARM and RATCHET, RH brake pedal<br>5/8 x 1-3/4" hex-hd. cap SCREW                                    |
| 9        | 103 909          | KEY, brake pedal arm and ratchet (Woodruff No. 18, 1/4 x 1-1/8")                                     |
| 10       | 311 373 R11      | PEDAL, RH brake (will work for 272 425 R92)  |
| 11       | 272 167 R1       | BUSHING, LH brake pedal (2)  |
| 12       | 272 171 R21      | PEDAL w/two BUSHING, 272 167 R1 LH brake   |

# STEERING SYSTEM

## STEERING BRAKES AND CONTROLS - CONTINUED



| REF. NO. | I.H. PART NUMBER | DESCRIPTION   |
|----------|------------------|---|
| 13       |                  | PIN, steering brake rod outer adjustable clevis end cotter (5/32 x 1-1/8") (2)  |
| 14       | 144 247          | CLEVIS, adjusting steering brake rod outer (2)  |
| 15       | 311 191 R1       | PIN, steering brake rod outer adjustable clevis end (2)   |
| 15A      | 277 061 R11      | ANCHOR, brake pedal return spring (front) (2)   |
| 16       | 23 370 D         | SPRING, steering brake return (2)   |
| 16B      | 272 157 R11      | ROD, outer steering brake (2)   |
| 17       | 103 373          | PIN, 3/32 x 3/4" cotter (2)   |
| 18       | 103 498          | PIN, steering brake rod end (2)<br>3/4" jam NUT (2)   |
| 19       | 20 841 D         | KEY, steering brake lever inner (2)   |
| 20       | 5 813 DC         | LEVER, steering brake inner (2)<br>1/2 x 1-5/8" hex-hd SCREW (2)<br>1/2" lock WASHER (2)  |
| 21       | 103 498          | PIN, steering brake rod inner upper end (2)   |
| 22       | 269 225 R91      | BAND ASSEMBLY, steering brake (2)<br>(Composed of -<br>1 BAND 269 215 R91<br>1 BAND 269 218 R91<br>1 BAND 269 224 R91<br>2 PIN 269 173 R1<br>2 RING 269 174 R1) |


**STEERING SYSTEM**

| REF. NO.                                 | I. H. PART NUMBER | DESCRIPTION  |
|--|-------------------|--|
| STEERING BRAKES AND CONTROLS - CONTINUED |                   |  |
| 23                                       | 269 218 R91       | BAND, w/LINING and eighteen RIVET, 269 164 R1, center steering brake (2)   |
| 25                                       | 304 948 R1        | PIN, steering brake band hinge (4)   |
| 26                                       | 269 224 R91       | BAND, w/LINING and eighteen RIVET, 269 164 R1, rear steering brake (2)   |
| 27                                       | 275 059 R1        | RETAINER, upper steering brake band pivot joint pin (2)<br>3/8 x 3/4" hex-hd. cap SCREW (2)<br>3/8" lock WASHER (2)                      |
| 28                                       | 275 058 R1        | PIN, upper steering brake band pivot joint (2)   |
| 29                                       | 269 215 R91       | BAND, w/LINING and eighteen RIVET, 269 164 R1, front steering brake (2)  |
|  | 269 226 R91       | PACKAGE w/nine LININGS and fifty-four RIVETS, 269 164 R1, field service (for tractors with standard size steering clutch brake drum) (X) |
| 30                                       |                   | LINING, steering brake band (for tractors with standard size steering clutch brake drums) (order 269 226 R91) (18)                       |
| 30                                       |                   | LINING, steering brake band (for tractors with undersize steering clutch brake drums) (order 272 864 R91) (18)                           |
| 31                                       | 269 164 R1        | RIVET, steering brake band lining (108)  |
| 32                                       | 148 151           | SPRING, steering brake band hinge pin retaining (7/16" groove)   |
| 33                                       | 304 947 R1        | PIN, steering brake band adjusting clevis (2)  |
| 34                                       |                   | SCREW, 3/8 x 2-1/4" sq-hd. set (2)   |
| 35                                       |                   | NUT, 3/8" jam (2)  |
| 36                                       | 269 179 R1        | CLEVIS, steering brake band adjusting (2)  |
| 37                                       | 269 227 R2        | BRACKET, LH steering brake anchor<br>1/2 x 1-1/4" hex-hd. cap SCREW (4)<br>1/2" internal-tooth, lock WASHER (4)                          |
| 37                                       | 269 228 R2        | BRACKET, RH steering brake anchor<br>1/2 x 1-1/4" hex-hd. cap SCREW (4)<br>1/2" internal-tooth, lock WASHER (4)                          |
| 38                                       | 269 182 R1        | SPRING, steering brake band release (2)  |
| 39                                       | 273 753 R1        | PIN, lower steering brake pivot joint (2)  |
| 40                                       | 269 183 R1        | NUT, steering brake band adjusting (2)   |
| 41                                       | 148 153           | SPRING, steering brake band adjusting clevis pin retaining (9/16" groove)  |
| 42                                       | 269 186 R3        | LEVER, steering brake pivot (2)  |
| 43                                       | 304 949 R1        | PIN, steering brake rod inner lower end (2)  |
| 44                                       |                   | PIN, steering brake rod inner end cotter (1/8 x 3/4")  |
| 45                                       | 269 178 R1        | HOOK, steering brake band anchor spring (8)  |
| 46                                       | 269 177 R1        | SPRING, steering brake band anchor (4)   |
| 47                                       | 43 664 DC         | ANCHOR, steering brake return spring (2)   |
| 48                                       |                   | NUT, 1" jam (2)  |
| 49                                       | 102 639           | NUT, 5/8" (2)  |
| 50                                       | 53 505 D          | SCREW, set steering brake band (2)   |

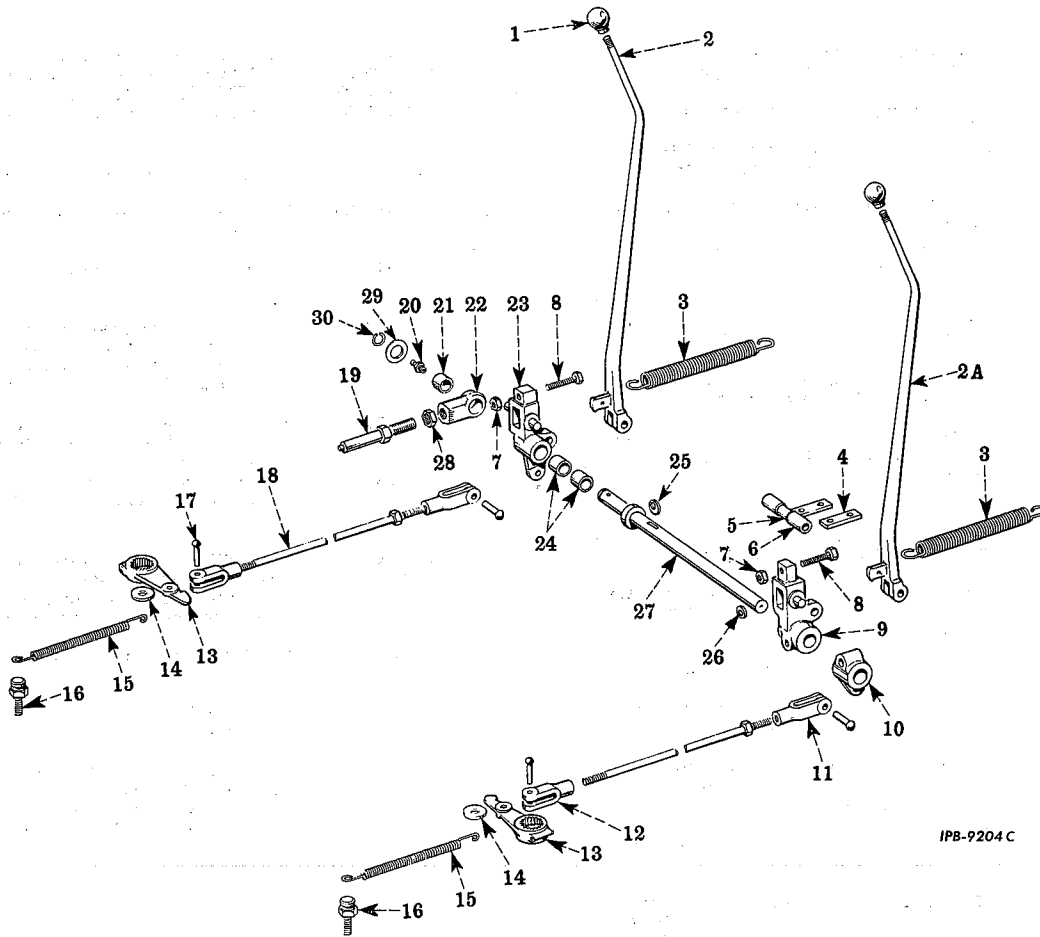

**STEERING SYSTEM**

| REF. NO.                                 | I. H. PART NUMBER | DESCRIPTION   |
|--|-------------------|---|
| STEERING BRAKES AND CONTROLS - CONTINUED |                   |   |
| 52                                       | 272 427 R91       | LEVER, outer LH brake   |
|  | 615 227 R1        | WASHER, 1-1/32" x 1-3/4" x No. 11 ga.   |
| 52                                       | 272 428 R91       | LEVER, outer RH brake   |
|  | 615 227 R1        | WASHER, 1-1/32" x 1-3/4" x No. 11 ga.   |
| 53                                       | 269 229 R11       | ROD, inner steering brake (2)   |
| 54                                       | 269 192 R1        | RING, steering brake rod outer end pin retaining (2)  |
| 55                                       | 41 519 D          | SEAL, steering brake lever outer dirt (2)   |
|  | 109 459           | FITTING, brake pedal support lubrication (Lincoln 5100) (optional with 271 282)   |
|  | 291 282           | FITTING, brake pedal support lubrication (Alemite 1611 BL) (optional with 109 459)  |
|  | 109 459           | FITTING, steering brake outer lever shaft lubrication (Lincoln 5100) (optional with 271 282) (2)                                      |
|  | 271 282           | FITTING, steering brake outer lever shaft lubrication (Alemite 1611 BL) (optional with 109 459) (2)                                   |
|  | 109 461           | FITTING, LH brake pedal lubrication (Lincoln 5000) (optional with 138 322 H)  |
|  | 138 322 H         | FITTING, LH brake pedal lubrication (Alemite 1610 BL) (optional with 109 461)   |
|  | 179 843           | ANCHOR, brake pedal return spring (rear) (2)  |
|  |                   | NUT, 3/8" jam (for brake pedal return spring anchor, rear) (2)  |
|  | 272 864 R91       | PACKAGE w/nine LININGS and fifty-four RIVETS, 269 164 R1, field service (for tractors with undersize steering clutch brake drums) (X) |
| X - As Required                          |                   |   |



# STEERING SYSTEM

## STEERING CLUTCH CONTROLS



IPB-9204 C

| REF. NO. | I. H. PART NUMBER | DESCRIPTION  |
|----------|-------------------|--|
| 1        | 264 097 R2        | BALL, steering clutch band lever (2)   |
| 2        | 272 533 R22       | LEVER, LH steering clutch hand   |
| 2A       | 272 533 R12       | LEVER, RH steering clutch hand (TD-150 501 to 1913)  |
| 2A       | 307 487 R92       | LEVER, RH steering clutch hand (TD-150 1914 to 4000) (TD-151 4001 up)  |
| 3        | 272 536 R1        | SPRING, steering clutch hand lever return (2)  |
| 4        | 272 540 R1        | RETAINER, steering clutch hand lever stop  |
| 5        | 272 537 R11       | STOP w/two BUMPER, 272 539 R1 steering clutch hand lever<br>3/8 x 7/8" hex-hd. cap SCREW (2)<br>3/8" lock WASHER (2) |
| 6        | 272 539 R1        | BUMPER, steering clutch hand lever stop (2)  |
| 7        |                   | Follows Ref. No. 8   |
| 8        | 272 542 R1        | SCREW, steering clutch hand lever hub adjustment (2)<br>1/2" jam NUT (2)   |



# STEERING SYSTEM

## STEERING CLUTCH CONTROLS - CONTINUED

| REF. NO. | I. H. PART NUMBER | DESCRIPTION   |
|----------|-------------------|---|
| 9        | 279 576 R1        | HUB, RH steering clutch hand lever<br>1/2" NF NUT<br>1/8 x 1" cotter PIN (2)<br>1/2NF x 2-1/4" hex-hd. cap SCREW<br>1/2" lock WASHER<br>21/32 x 1-5/16 x No. 13 ga. flat WASHER (2) |
| 10       | 279 578 R1        | ARM, steering clutch hand lever<br>1/2"NF NUT<br>1/2 x 2-1/4" hex-hd. cap SCREW<br>1/2" lock WASHER   |
| 11       | 63 229 D          | YOKE, steering clutch operating rod (right hand thread) (2) (TD-15-501 to 3500)   |
| 11       | 311 446 R2        | YOKE, steering clutch operating rod (right hand thread) (2) (TD-150 3501 to 4000) (TD-151 4001 up)  |
| 12       | 63 228 D          | YOKE, steering clutch operating rod (left hand thread) (2) (TD-150 501 to 3500)   |
| 12       | 311 445 R2        | YOKE, steering clutch operating rod (left hand thread) (2) (TD-150 3501 to 4000) (TD-151 4001 up)   |
| 13       | 272 321 R1        | LEVER, steering clutch release (2)<br>3/8"NF NUT (2)<br>3/8NF x 2-1/2" hex-hd. cap SCREW (2)<br>3/8" lock WASHER (2)  |




**STEERING SYSTEM**

| REF. NO.                             | I. H. PART NUMBER | DESCRIPTION   |
|--------------------------------------|-------------------|---|
| STEERING CLUTCH CONTROLS - CONTINUED |                   |   |
| 14                                   | 45 794 D          | WASHER, steering clutch release lever retainer (2)<br>1/2NF x 1-1/4" hex-hd. cap SCREW (2)<br>1/2" lock WASHER (2)  |
| 15                                   | 57 288 D          | SPRING, steering clutch release lever return (2)  |
| 16                                   | 318 948 R1        | ANCHOR, steering clutch release lever return spring (2) (TD-150-4001 Up)  |
| 16                                   | 276 187 R1        | ANCHOR, steering clutch release lever return spring (2) (TD-150-501 to 4000)<br>1/2" lock WASHER (2)  |
| 17                                   | 33 557 V          | PIN, steering clutch operating rod yoke (will work for 103 498) (4)<br>3/32 x 3/4" cotter PIN (4)   |
| 18                                   | 311 443 R11       | ROD, steering clutch operating (2)<br>(TD-150 3501 to 4000) (TD-151 4001 Up)<br>5/8" NUT (2)  |
|                                      | 18 559 R1         | NUT, 5/8" (left hand thread) (2)  |
| 18                                   | 60 230 DXA        | ROD, steering clutch operating (2) (TD-150 501 to 3500)<br>1/2" NUT (2)   |
|                                      | 18 277 R1         | NUT, 1/2" (left hand thread) (2)  |
| 19                                   | 273 084 R11       | ROD, steering clutch hand lever shaft tie   |
| 20                                   | 126 152           | FITTING, 1/8" x 90° steering clutch hand lever shaft lubrication (Lincoln 5200) (optional with 271 283)   |
| 20                                   | 271 283           | FITTING, 1/8" x 90° steering clutch hand lever shaft lubrication (Alemite 1688 B) (optional with 126 152)   |
| 21                                   | 272 301 R1        | BUSHING, steering clutch hand lever shaft tie rod adjusting eye   |
| 22                                   | 273 085 R21       | EYE w/BUSHING, 272 301 R1, adjusting, steering clutch hand lever shaft tie rod  |
| 23                                   | 272 534 R31       | HUB w/two BUSHING, 272 301 R1, LH steering clutch hand lever<br>1/8 x 1" cotter PIN (2)<br>21/32 x 1-5/16 x No. 13 ga. flat WASHER (2)  |
| 24                                   | 272 301 R1        | BUSHING, steering clutch hand lever hub (2)   |
| 25                                   | 279 577 R1        | KEY, RH steering clutch hand lever arm (Woodruff No. 13)  |
| 26                                   | 279 577 R1        | KEY, RH steering clutch hand lever hub (Woodruff No. 13)  |
| 27                                   | 272 248 R3        | SHAFT, steering clutch hand lever (order PACKAGE, 322 963 R91, except for Equipment Combination, TD-15-700-0, order SHAFT, 322 938 R1, RING, 322 962 R1 and WASHER, 322 534 R1) TD-150 501 to 4000, TD-151 4001 to 5050 |
| 27                                   | 272 248 R4        | SHAFT, steering clutch hand lever (not used on Equipment Combination TD-15-700-0) TD-151 5051 up  |
| 27                                   | 322 938 R1        | SHAFT, steering clutch hand lever (used on Equipment Combination TD-15-700-0) TD-151 5051 up  |
| 28                                   |                   | NUT, steering clutch hand lever shaft tie rod adjusting (3/4" jam)  |
| 29                                   | 322 534 R1        | WASHER, steering clutch hand lever shaft TD-151 5051 up   |

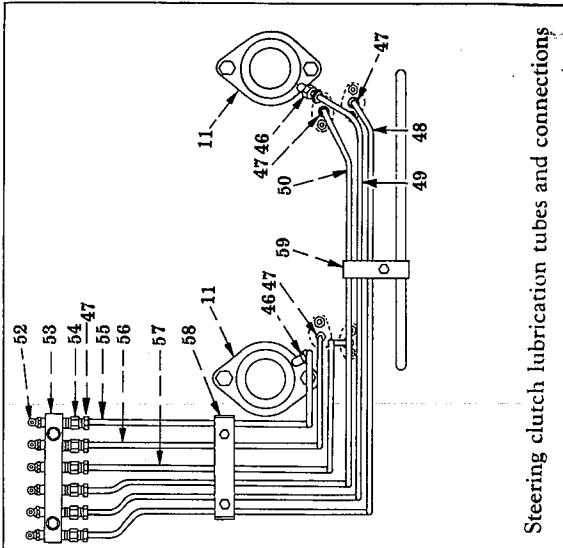

**STEERING SYSTEM**

| REF. NO.                             | I. H. PART NUMBER | DESCRIPTION  |
|--------------------------------------|-------------------|--|
| STEERING CLUTCH CONTROLS - CONTINUED |                   |  |
| 30                                   | 322 962 R1        | RING, steering clutch hand lever shaft snap TD-151 5051 up   |
|                                      | 322 963 R91       | PACKAGE, steering clutch hand lever shaft field service (Consists of RING, 322 962 R1, SHAFT, 272 248 R4 and WASHER, 322 534 R1) TD-150 501 to 4000, TD-151 4001 to 5050 |
|                                      | 98 795 H          | PIN, steering clutch hand lever (2)<br>1/8 x 1" cotter PIN (2)<br>21/32 x 1-5/16 x No. 13 ga. flat WASHER (2)  |
|                                      | 279 664 R1        | WASHER, steering clutch hand lever shaft   |



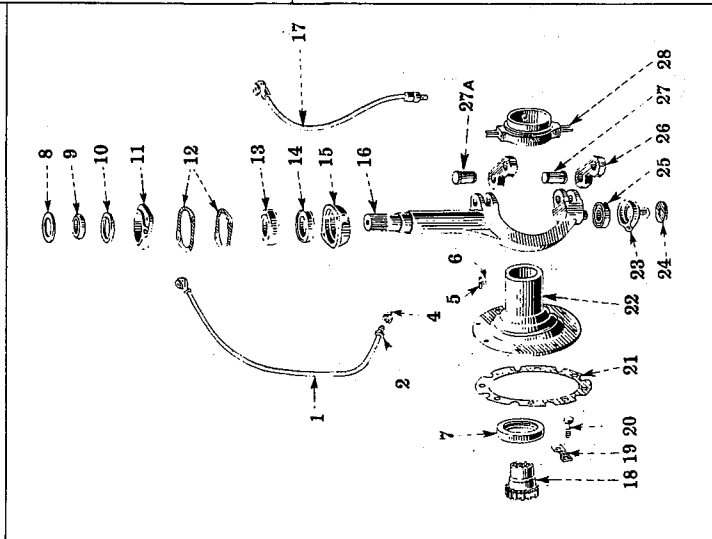
# STEERING SYSTEM

## STEERING CLUTCH RELEASE SHAFT AND MECHANISM



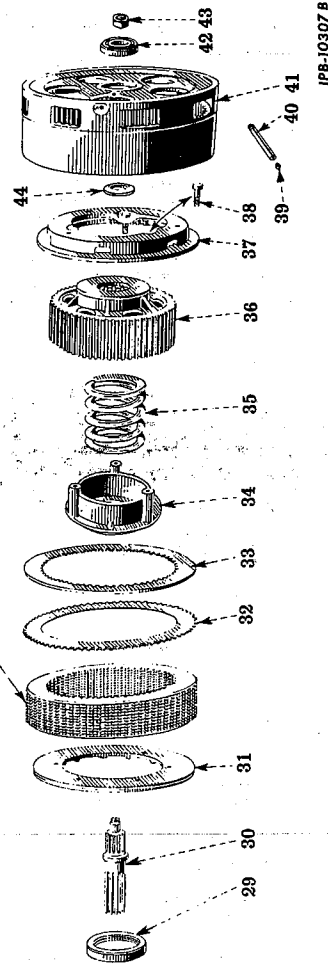
Steering clutch lubrication tubes and connections

This assembly is made up of 11 driving discs (Ref. No. 32) and 12 friction discs (Ref. No. 33)



# STEERING SYSTEM

## STEERING CLUTCH RELEASE SHAFT AND MECHANISM - CONTINUED




**STEERING SYSTEM**

| REF. NO.  | I. H. PART NUMBER | DESCRIPTION  |
|---|-------------------|--|
| STEERING CLUTCH RELEASE SHAFT AND MECHANISM - CONTINUED |                   |  |
| 1   | 272 449 R92       | TUBE w/NUT, 369 989 R1 steering clutch release fork lower bearing lower grease (2)   |
|   | 13 329 R1         | BOLT, machine, 1/4 x 5/8" (4)<br>1/4" jam, NUT (4)<br>1/4" internal-tooth, lock WASHER (4)   |
| 2   | 369 989 R1        | NUT, steering clutch release fork lower bearing grease tube connector (2)  |
| 4   | 35 252 D          | CONNECTOR, steering clutch release fork lower bearing grease tube (2)  |
| 5   | 56 013 DX         | KEY w/PIN, 56 006 D steering clutch release collar (2)   |
| 6   | 56 006 D          | PIN, steering clutch release collar key (2)  |
| 7   | 313 914 R91       | OIL SEAL, steering clutch shaft coupling (will work for 310 513 R91 and 310 527 R91) (2)   |
| 8   | 272 322 R1        | RETAINER, steering clutch release fork upper bearing felt (2)  |
| 9   | 56 010 D          | SPACER, steering clutch release lever (2)  |
| 10  | 56 008 D          | FELT, steering clutch release fork upper bearing (2)   |
| 11  | 8 680 DX          | RETAINER w/PLUG, 103 883 steering clutch release fork upper bearing (2)<br>7/16 x 1-1/2" hex-hd. cap SCREW (4)<br>7/16" lock WASHER (4)  |
| 12  | 56 009 D          | GASKET, steering clutch release fork upper bearing retainer (2)  |
| 12  | 56 009 D          | GASKET, steering clutch release fork upper bearing cage (2)  |
| 13  | ST 205 A          | BEARING, steering clutch release fork upper (2)  |
| 14  | 264 694 R91       | OIL SEAL, steering clutch release fork upper bearing (optional with 42 177 D) (2)  |
| 14  | 42 177 D          | OIL SEAL, steering clutch release fork upper bearing (optional with 264 694 R91) (2)   |
| 15  | 8 682 D           | CAGE, steering clutch release fork upper bearing (2)   |
| 16  | 56 020 D          | FORK, steering clutch release (2)  |
| 17  | 57 103 DX         | TUBE, steering clutch release bearing, lower grease w/COUPLING and BRACKET (2)   |
|   | 13 239 R1         | BOLT, 1/4 x 5/8" machine (4)<br>1/4" jam, NUT (4)<br>1/4" internal-tooth, lock WASHER (4)  |
| 18  | 251 388 R21       | COUPLING, steering clutch shaft, (6 T) (2)   |
| 19  | 251 319 R1        | RETAINER, steering clutch shaft coupling (4)   |
| 20  | 260 618 R1        | BOLT, steering clutch shaft coupling retainer (12)   |
| 21  | 271 881 R1        | GASKET, drive bevel gear bearing cage cap (2)  |
| 22  | 279 963 R21       | CAP w/PIN, 273 562 R1, drive bevel gear bearing cage (2)<br>1/2 x 1-1/8" hex-hd. cap SCREW (16)<br>1/2" external-tooth, lock WASHER (16) |
| 23  | 56 016 D          | PIVOT, steering clutch release fork lower bearing (2)  |


**STEERING SYSTEM**

| REF. NO.  | I. H. PART NUMBER | DESCRIPTION   |
|---|-------------------|---|
| STEERING CLUTCH RELEASE SHAFT AND MECHANISM - CONTINUED |                   |   |
| 24  | 21 585 D          | RETAINER, steering clutch release fork lower bearing pivot (2)<br>1/2NF x 1-1/4" hex-hd. cap SCREW (2)<br>1/2" lock WASHER (2)                            |
| 25  | ST 554            | BEARING, steering clutch release lower fork (2)   |
| 26  | 56 005 D          | LINK, steering clutch release collar shifter (4)  |
| 27  | 303 995 R1        | PIN, steering clutch release collar lower shifter link (2)  |
|   | 148 152           | SPRING, retainer, 1/2" (16)   |
| 27A   | 279 139 R1        | PIN, steering clutch release collar upper shifter link (2)  |
| 28  | 56 018 DA         | COLLAR, LH and RH steering clutch release (2)   |
|   | 105 404           | NIPPLE, 1/8" close (2)  |
| 29  | 53 233 DA         | BEARING, steering clutch thrust (2)   |
| 30  | 256 785 R3        | SHAFT, steering clutch (2)  |
| 31  | 5 715 D           | PLATE, steering clutch hub (2)<br>1/2 x 1-1/4" hex-hd. cap SCREW (12)<br>1/2" lock WASHER (12)  |
| 32  | 40 882 D          | DISC, steering clutch steel (77 teeth) (TD-150 501 to 3500) (steering clutch field improvement PACKAGE, 318 823 R91, also available) (24)                 |
| 32  | 318 820 R1        | DISC, steering clutch steel (77 teeth) (TD-150 3501 up) (also part of steering clutch field improvement PACKAGE, 318 823 R91) (22)                        |
| 33  | 40 883 DC         | DISC, steering clutch friction (58 teeth) (Raybestos) (TD-150 501 to 3500) (steering clutch field improvement PACKAGE, 318 823 R91, also available) (26)  |
| 33  | 58 957 D          | DISC, steering clutch friction (58 teeth) (bi-metallic) (TD-150 501 to 3500) (steering clutch field improvement PACKAGE, 318 823 R91 also available) (26) |
| 33  | 318 821 R1        | DISC, steering clutch friction (58 teeth) (sintered bronze) (TD-150 3501 up) (also part of steering clutch field improvement PACKAGE, 318 823 R91) (24)   |
| 34  | 6 973 DB          | RETAINER, steering clutch pressure spring (2)   |
| 35  | 54 491 DC         | SPRING, steering clutch pressure (2)  |
| 36  | 8 352 DC          | HUB, steering clutch (2)  |
| 37  | 5 711 DC          | PLATE, steering clutch pressure (2)   |
| 38  | 54 968 D          | BOLT, steering clutch pressure plate dowel (6)<br>1/2" lock WASHER (6)  |
| 39  | 18 541 R91        | FITTING, steering clutch pilot bearing lubrication (Alemite 1631 B) (2)   |
| 40  | 54 652 D          | PIPE, steering clutch pilot bearing lubricator  |
| 41  | 8 519 DA          | DRUM, steering clutch (2)<br>1/2NF x 1-1/8" hex-hd. cap SCREW (16)<br>1/2" external-tooth lock WASHER (16)  |
| 42  | ST 333            | BEARING, steering clutch pilot (2)  |
| 43  | 256 790 R1        | NUT, steering clutch pilot bearing retainer (2)   |
| 44  | 50 096 DA         | SPACER, steering clutch pilot bearing (2)   |



### STEERING SYSTEM

| REF. NO.  | I. H. PART NUMBER | DESCRIPTION  |
|---|-------------------|--|
| STEERING CLUTCH RELEASE SHAFT AND MECHANISM - CONTINUED |                   |  |
| 46  | 29 901 D          | CONNECTION, steering clutch lubrication tube (in bearing retainer) (6)                                       |
| 47  | 29 898 D          | NUT, coupling, steering clutch lubrication tube (in grease tube bracket) (12)                                |
| 48  | 279 448 R2        | TUBE, RH steering clutch release fork lower bearing upper grease   |
| 49  | 279 447 R2        | TUBE, RH steering clutch release fork upper bearing grease   |
| 50  | 279 446 R2        | TUBE, RH steering clutch release bearing upper grease  |
| 52  | 138 322 H         | FITTING, steering clutch grease tube junction block lubrication (Alemite 1610 B) (optional with 109 461) (4) |
| 52  | 109 461           | FITTING, steering clutch grease tube junction block lubrication (Lincoln 5000) (optional with 138 322 H) (4) |
| 53  | 275 138 R1        | BLOCK, steering clutch grease tube junction<br>1/4 x 1-1/8" hex-hd. cap SCREW (2)<br>1/4" lock WASHER (2)    |
| 54  | 29 901 D          | CONNECTION, steering clutch lubrication tube (in junction block) (6)   |
| 55  | 279 443 R2        | TUBE, LH steering clutch release fork upper bearing grease   |
| 56  | 279 444 R2        | TUBE, LH steering clutch release bearing upper grease  |
| 57  | 279 445 R2        | TUBE, LH steering clutch release fork lower bearing upper grease   |

### DRIVE BEVEL GEAR

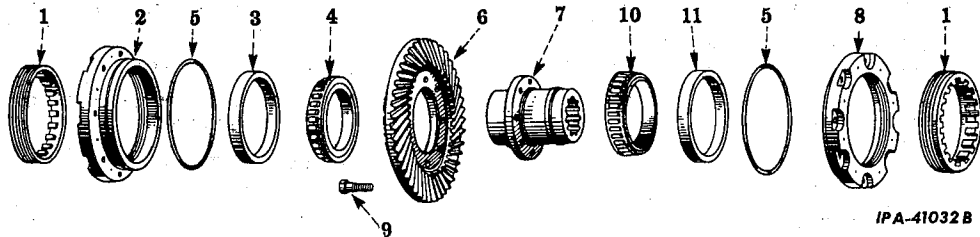
| REF. NO. | I. H. PART NUMBER | DESCRIPTION  |
|----------|-------------------|--|
| 1        | 271 812 R1        | ADJUSTER, drive bevel gear bearing (2)   |
| 2        | 271 878 R1        | CAGE, drive bevel gear bearing<br>9/16" NF NUT (4)<br>9/16 x 2 x 7/8" hex-hd. cap SCREW (4)<br>9/16" external-tooth, lock WASHER (8) |
| 3        | 271 842 R1        | CUP, drive bevel gear tapered bearing (2)  |
| 4        | 271 841 R91       | CONE, drive bevel gear tapered bearing (2)   |
| 5        | 271 879 R1        | RING, drive bevel gear bearing cage sealing (2)  |
| 6        | 320 548 R1        | GEAR, drive bevel (40 T) (TD-151-4001 Up)  |
| 6        | 279 896 R1        | GEAR, drive bevel (45 T) (TD-150-501 to 4000)  |
| 7        | 279 962 R1        | HUB, drive bevel gear  |



### STEERING SYSTEM

| REF. NO.  | I. H. PART NUMBER | DESCRIPTION   |
|---|-------------------|---|
| STEERING CLUTCH RELEASE SHAFT AND MECHANISM - CONTINUED |                   |   |
| 58  | 279 449 R1        | CLAMP, grease tube to vent tube (2)<br>1/4" NUT<br>1/4 x 3/4" rd-hd. slt. machine SCREW<br>1/4" lock WASHER       |
| 59  | 279 606 R1        | BRACKET, upper grease tube  |
| 59  | 279 607 R1        | BRACKET, lower grease tube<br>1/4 x 5/8" rd-hd. slt. machine SCREW (2)<br>1/4" lock WASHER (2)                    |
| 126   | 121               | FITTING, steering clutch release bearing lubrication (optional with 271 281) (2)                                  |
| 271   | 281               | FITTING, steering clutch release bearing lubrication (optional with 126 121) (2)                                  |
| 318   | 823 R91           | PACKAGE, steering clutch field service (consists of twenty-two DISC, 318 820 R1 and twenty-four DISC, 318 821 R1) |
| 273   | 502 R1            | PIN, bevel gear bearing adjuster lock (2)   |
| 103   | 883               | PLUG, pipe (slt-hdls., 1/8")  |
| 172   | 802               | PLUG, steering clutch shaft coupling (2-3/4") (2)   |
|   |                   | WIRE, steering clutch shaft coupling retainer bolt locking, (16 ga. x 9" long) (order 278 027 R1) (6)             |
| 278   | 027 R1            | WIRE, locking bulk (16 ga.) (customer must specify length required) (X)   |
| X - As required   |                   |   |

### DRIVE BEVEL GEAR - CONTINUED

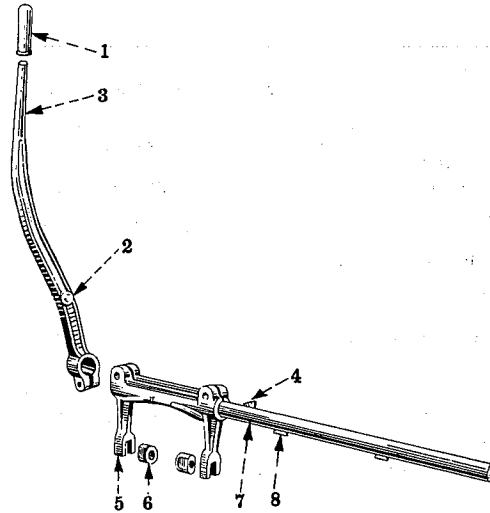


| REF. NO. | I. H. PART NUMBER | DESCRIPTION  |
|----------|-------------------|--|
| 8        | 271 878 R1        | CAGE, drive bevel gear bearing<br>9/16" NF NUT (4)<br>9/16 x 2 x 7/8" hex-hd. cap SCREW (4)<br>9/16" external-tooth, lock WASHER (8) |
| 9        | 279 964 R2        | BOLT, drive bevel gear dowel (6)   |
| 10       | 271 841 R91       | CONE, drive bevel gear tapered bearing   |
| 11       | 271 842 R1        | CUP, drive bevel gear tapered bearing  |
|          | 279 992 R1        | BOLT, drive bevel gear bearing cage (16)   |
|          | 32 454 D          | NUT, drive bevel gear dowel bolt (6)   |
| 322      | 195 R91           | PINION and SHAFT bevel, 320 549 R11 w/ GEAR, 320 548 R1 (match pair) (see transmission) (will work for 279 897 R1)                   |



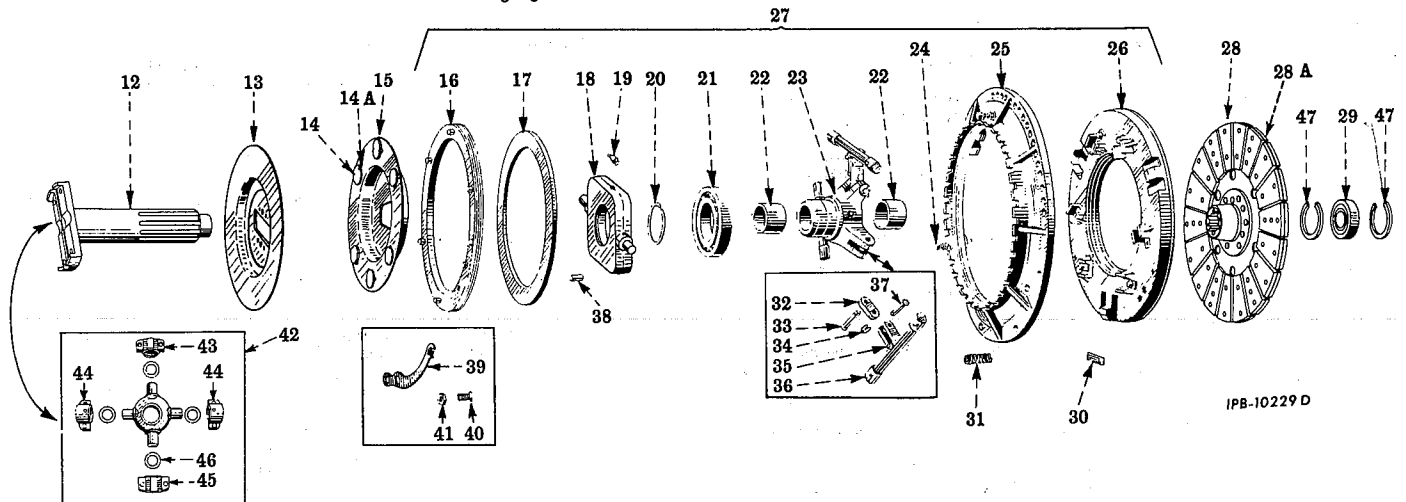
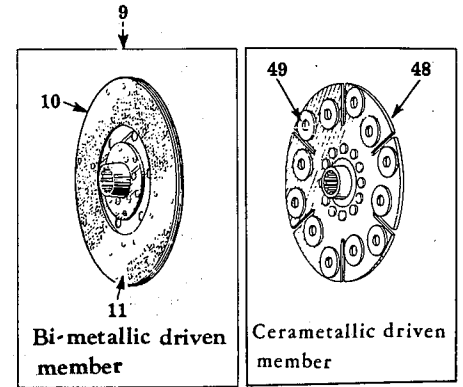
# CLUTCH

OVER-CENTER ENGINE CLUTCH 15" , CLUTCH CONTROL AND CONNECTIONS (Rockford) (Hand Operated)



# CLUTCH

OVER-CENTER ENGINE CLUTCH 15" , CLUTCH CONTROL AND CONNECTIONS - CONTINUED (Rockford) (Hand Operated)



IPB-10229 D

| REF. NO. | I. H. PART NUMBER | DESCRIPTION   |
|----------|-------------------|---|
| 1        | 41 597 DA         | HANDLE, engine clutch hand lever  |
| 2        | 272 124 R1        | PIN, gear shifter lock shaft connecting rod<br>3/32 x 3/4" cotter PIN   |
| 3        | 272 123 R11       | LEVER, engine clutch hand (together w/HANDLE, 41 597 DA and PIN, 272 124 R1, will work for 272 247 R91)<br>5/8"NF NUT<br>5/8NF x 2-1/2" hex-hd. cap SCREW |
| 4        | 103 909           | KEY, engine clutch hand lever Woodruff 18   |
| 5        | 279 558 R1        | FORK, engine clutch release<br>5/8 x 2" hex-hd. cap SCREW (2)   |
| 6        | 42 298 DB         | BUSHING, engine clutch release pin (2)  |
| 7        | 279 954 R1        | SHAFT, engine clutch release  |
| 8        | 103 909           | KEY, engine clutch release fork (Woodruff 18)   |
| 9        | 324 900 R91       | ATTACHMENT, driven number (Bi-Metallic) (UCL-37-7902-1) (See NOTES 1 and 3)   |

| REF. NO. | I. H. PART NUMBER     | DESCRIPTION   |
|----------|-----------------------|---|
| 10       | 266 396 R91           | PACKAGE, bi-metallic driven member facing field service (Consists of two FACING and 42 RIVET, 67 116 D) (UCL-11369-81-CR 2) |
| 11       | 67 116 D              | RIVET, clutch fusing (csk-hd., tubular) (Bi-Metallic Facing) (CL-4049-1) (42)   |
| 12       | 279 950 R1<br>103 883 | SHAFT, engine clutch<br>PLUG, slit-hdls. 1/8" pipe  |
| 13       | 279 951 R11           | DISC, engine clutch brake   |

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

# CLUTCH

| REF. NO.  | I. H. PART NUMBER | DESCRIPTION  |
|---|-------------------|--|
| OVER-CENTER ENGINE CLUTCH 15" , CLUTCH CONTROL<br>AND CONNECTIONS - CONTINUED<br>(Rockford) (Hand Operated) |                   |  |
| 14  | 324 547 R91       | PACKAGE, brake facing field service (consists of six FACING and fourteen RIVET, 279 488 R1)  |
| 14A   | 279 488 R1        | RIVET, brake disc facing, 3/16 x 7/16" (12)  |
| 15  | 279 486 R91       | DISC w/six FACING and twelve RIVET, 279 488 R1, brake (UCL-10832-1)  |
| 16  | 55 371 DA         | RING, adjusting (CL-4815-1)  |
| 17  | 31 238 DA         | PLATE, adjusting ring (CL-3461-5)  |
| 18  | 279 485 R1        | CARRIER, bearing (CL-4256)   |
| 19  | 271 282           | FITTING, 1/8" lubrication (Alemite 1611-B) (used with bearing carrier) (optional with 109 459)   |
| 19  | 109 459           | FITTING, 1/8" lubrication (Lincoln 5100) (used with bearing carrier) (optional with 271 282)   |
| 20  | 43 195 D          | RING, engine clutch release bearing snap (CL-3900)   |
| 21  | ST 310 A          | BEARING, release   |
| 22  | 43 194 D          | BUSHING (CL-4154) (2)  |
| 23  | 279 981 R91       | SLEEVE w/two BUSHING, 43 194 D and FITTING, 138 322 H, release (CL-4450)   |
| 24  | 324 546 R91       | PACKAGE, return spring stud field service (consists of STUD and two WASHER) (UCL-9675) (6)   |
| 25  | 50 426 DC         | PLATE, clutch back (CL-4305-5)   |
| 26  | 273 172 R91       | PLATE, clutch pressure (order PLATE, 319 548 R2 and BLOCK SET, 267 665 R91)  |
| 26  | 319 548 R2        | PLATE, clutch pressure (together with BLOCK SET, 267 665 R91 will work for 273 172 R91)  |
| 27  | 279 765 R94       | COVER ASSEMBLY, clutch (UCLA-4-4305-5)<br>(Composed of -<br>1 BEARING ST 310 A<br>1 BLOCK 267 665 R91<br>1 CARRIER 279 485 R1<br>1 DISC 279 486 R91<br>1 FITTING 271 282<br>3 FITTING 274 510<br>3 LINK 43 207 D<br>1 LOCK 264 679 R1<br>3 PACKAGE 267 679 R91<br>3 PACKAGE 267 680 R91<br>1 PACKAGE 324 742 R91<br>6 PACKAGE 324 546 R91<br>2 PIN 43 199 D<br>1 PLATE 31 238 DA<br>1 PLATE 50 426 DC<br>1 PLATE 319 548 R2<br>1 RING 43 195 D<br>1 RING 55 371 DA<br>2 SCREW 61 115 D<br>1 SLEEVE 279 981 R91<br>6 SPRING 324 458 R1<br>6 "X" WASHER 267 689 R91<br>1/2 x 1-1/4" hex-hd cap SCREW (9)<br>1/2" lock WASHER (9) |
| 28  | 310 837 R91       | MEMBER, w/two FACING and ninety two RIVET, 250 263 R1 driven (will work for 273 254 R91) (UCL-36-7902-1)   |
| 28A   |                   | FACING, feramic (order 310 838 R91)  |

# CLUTCH

| REF. NO.  | I. H. PART NUMBER | DESCRIPTION   |
|---|-------------------|---|
| OVER-CENTER ENGINE CLUTCH 15" , CLUTCH CONTROL<br>AND CONNECTIONS - CONTINUED<br>(Rockford) (Hand Operated) |                   |   |
| 29  | 279 324 R91       | BEARING, engine clutch pilot  |
| 30  | 267 665 R91       | BLOCK SET w/six SCREW, 261 106 R1 six cam (UCL-3478-2-S6)   |
| 31  | 324 458 R1        | SPRING, return (CL-4300-2) (6)  |
| 32  | 43 207 D          | LINK, connecting (CL-4339-1) (3)  |
| 33  | 267 679 R91       | PACKAGE, connecting link pin field service (long) (consists of PIN (long) WASHER, 615 029 R1 and WASHER, 267 689 R1 for 3/8" dia Pin) (UCL-4314-1C) (3)   |
| 34  | 267 689 R91       | "X" WASHER (used with 3/8" dia connecting link pin) (CL-9318) (6)   |
| 35  | 274 510           | FITTING, camshaft lubrication (Alemite 1911BL) (optional with 16 964 R91) (3)   |
| 35  | 16 964 R91        | FITTING, camshaft lubrication (Lincoln 5410) (optional with 274 510) (3)  |
| 36  | 324 742 R91       | PACKAGE, camshaft field service (UCL-4337-36-S3)  |
| 37  | 267 680 R91       | PACKAGE, connecting link pin field service (short) (consists of PIN (short), WASHER, 615 029 R1 and WASHER, 267 689 R1 for 3/8" dia PIN) (UCL-9315-C) (3)   |
| 38  | 43 199 D          | PIN, dowel (CL-4052) (2)  |
| 39  | 264 679 R1        | LOCK, adjusting (CL-9014)   |
| 40  | 61 115 D          | SCREW, adjusting lock (CL-5215) (2)   |
| 41  | 103 026           | NUT, adjusting lock SCREW (CL-5319) (2)   |
| 42  | 279 986 R91       | JOINT, engine clutch universal (Mechanics No. 114-5125A)<br>(Composed of -<br>1 BEARING 305 104 R91<br>2 BEARING 305 105 R91<br>1 BEARING 305 108 R91<br>4 RETAINER and SEAL 305 109 R91<br>1/4 x 5/16" hex-hd cap SCREW<br>WASHER, 17/64 x 5/8 x .049" ga copper |
|   | 16 861 R1         |   |
| 43  | 305 104 R91       | BEARING, engine clutch universal joint (113-5153)   |
| 44  | 305 105 R91       | BEARING, engine clutch universal joint (113-5121) (2)   |
| 45  | 305 108 R91       | BEARING, engine clutch universal joint (113-5152)   |
| 46  | 305 109 R91       | RETAINER and SEAL, engine clutch universal joint (12408 J) (4)  |
| 47  | 279 550 R1        | RING, engine clutch pilot bearing snap (2)  |
| 48  | 338 314 R91       | MEMBER w/twenty-four FACING and twelve RIVET, 338 359 R1, driven (UCL-38-7902-1)  |
| 49  | 338 315 R91       | PACKAGE, cerametallic driven member facing field service (consists of two FACING and RIVET, 338 359 R1) (UCL-11415-134-CR2) (12)  |
|   | 279 952 R1        | BOLT, engine clutch universal (long) (4)  |
|   | 279 953 R1        | BOLT, engine clutch universal (short) (4)   |
|   |                   | 3/8" external tooth lock WASHER (8)   |



# CLUTCH

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

OVER-CENTER ENGINE CLUTCH 15" , CLUTCH CONTROL AND CONNECTIONS - CONTINUED  
(Rockford) (Hand Operated)

|             |  |   |
|-------------|--|---|
| 267 683 R1  |  | CUP, return spring (CL-9255) (used only with COVER, 279 765 R92) (3)  |
| 110 146 R91 |  | FITTING, engine clutch universal joint lubrication (Alemite 1792 B) (optional with 102 467 H)                               |
| 102 467 H   |  | FITTING, engine clutch universal joint lubrication (Lincoln 5042) (optional with 110 146 R91)                               |
| 271 288     |  | FITTING, engine clutch shaft lubrication (Alemite 1680B) (optional with 126 131)  |
| 126 131     |  | FITTING, engine clutch shaft lubrication (Lincoln 5014) (optional with 271 288)   |
| 109 461     |  | FITTING, lubrication (Lincoln 5000) (used with sleeve) (optional with 138 322 H)  |
| 138 322 H   |  | FITTING, lubrication (Alemite 1610B) (used with sleeve) (optional with 109 461)   |
| 305 158 R91 |  | PACKAGE, cerametallic facing (B-9965-1176-55-00) (12)   |
| 310 838 R91 |  | PACKAGE w/forty-six RIVET, 250 263 R1 feramic facing (UCL-11369-63-CR2) (2)   |
| 250 263 R1  |  | RIVET, tubular facing (for use with PACKAGE, 310 838 R91) (CL-4049-5) (92)  |
| 304 726 R1  |  | RIVET, facing (CL-10019) (for use with PACKAGE, 305 158 R91) (12)   |
| 338 359 R1  |  | RIVET, special (for use with PACKAGE, 338 315 R91) (CL-10858-2) (12)  |
| 615 029 R1  |  | WASHER, 3/8" steel (used with 3/8" dia connecting link PIN) (Used with PACKAGES, 267 679 R91 and 267 680 R91) (CL-4347) (3) |



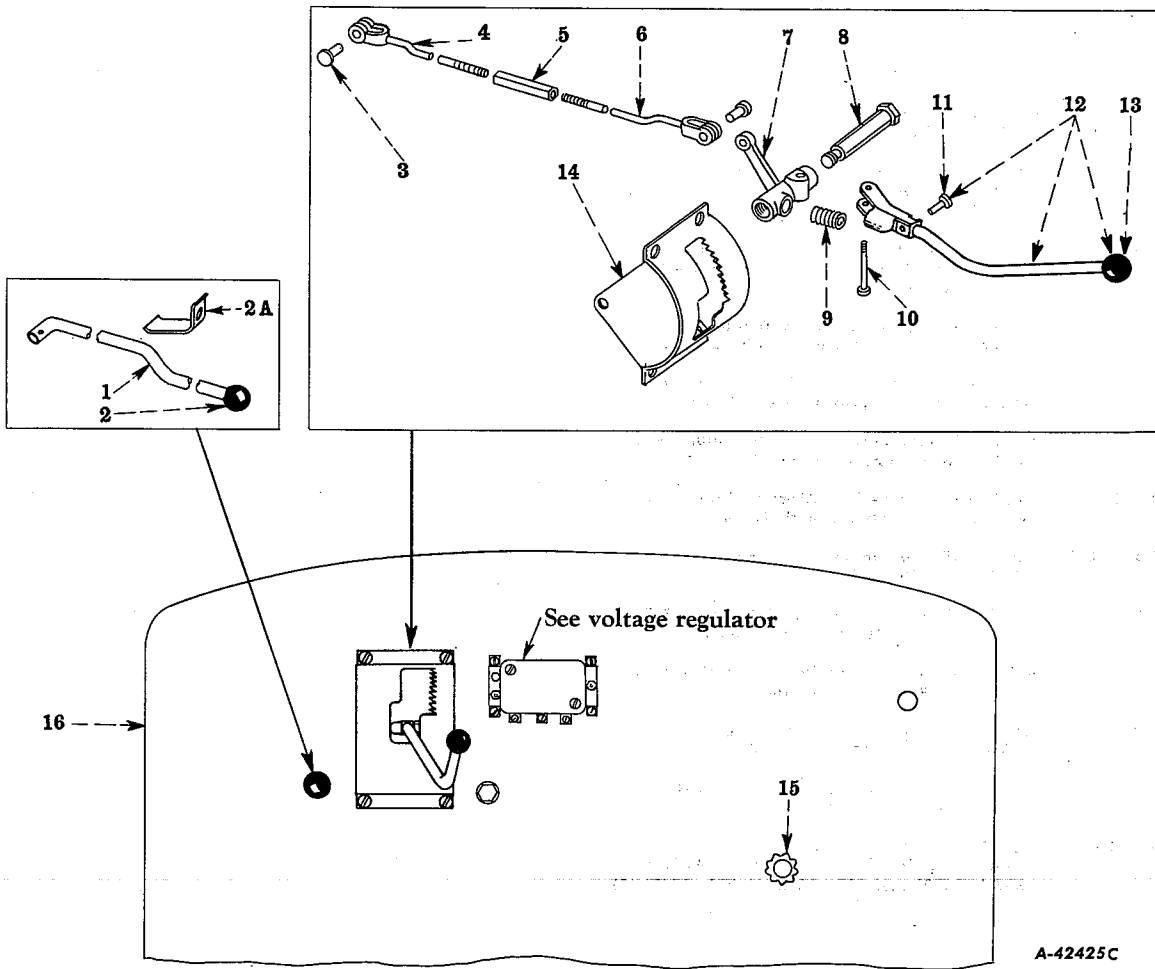
# MEMORANDUM

**DASH, ENGINE CONTROLS, INSTRUMENTS  
AND INSTRUMENT PANEL**

DASH AND ENGINE CONTROLS

**DASH, ENGINE CONTROLS, INSTRUMENTS  
AND INSTRUMENT PANEL**

DASH AND ENGINE CONTROLS - CONTINUED



| REF. NO. | I. H. PART NUMBER | DESCRIPTION  |
|----------|-------------------|--|
| 1        | 304 209 R1        | ROD, compression release<br>1/8 x 7/8" cotter PIN  |
| 2        | 264 055 R2        | BALL, compression release rod  |
| 2A       | 251 842 R1        | SPRING, compression release rod<br>5/16" NUT<br>5/16 x 5/8" hex-hd. cap SCREW<br>5/16" lock WASHER |
| 3        |                   | PIN, governor control rod yoke<br>(3/8 x 1-3/32") (2)<br>3/32 x 5/8" hex-hd. cotter pin (2)        |
| 4        | 304 207 R11       | ROD, front governor control<br>3/8NF jam NUT (RH thread)   |
| 5        | 274 233 R1        | TURNBUCKLE, governor control rod   |
| 6        | 304 208 R91       | ROD, rear governor control<br>3/8NF jam NUT (LH Thread)  |
| 7        | 274 228 R1        | HUB, governor control hand lever<br>1/2NF jam NUT<br>1/2" lock WASHER                              |
| 8        | 274 229 R1        | SHAFT, governor control hand lever   |

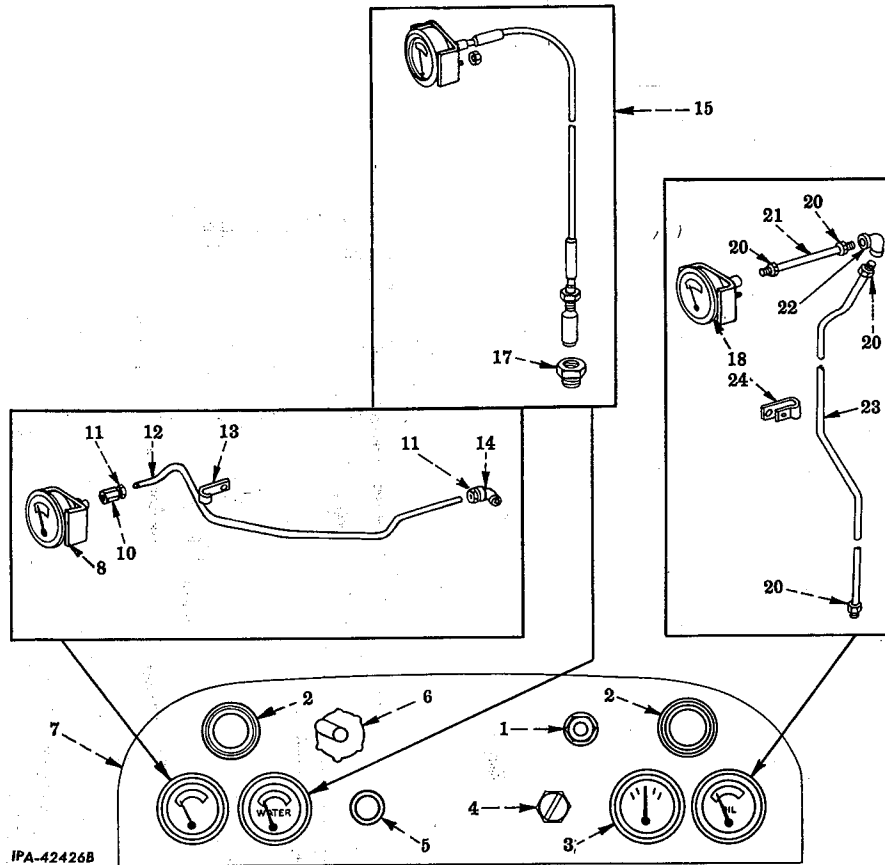
| REF. NO. | I. H. PART NUMBER | DESCRIPTION   |
|----------|-------------------|---|
| 9        | 261 650 R1        | SPRING, governor control hand lever   |
| 10       | 262 704 R1        | PIN, governor control hand lever<br>3/32 x 5/8" cotter PIN  |
| 11       | 251 846 R1        | PAWL, governor control hand lever   |
| 12       | 274 230 R21       | LEVER w/PAWL, 251 846 R1 and BALL,<br>264 097 R2, governor control hand   |
| 13       | 264 097 R2        | BALL, governor control hand lever   |
| 14       | 274 225 R91       | RATCHET, governor control<br>3/8" NUT (4)<br>3/8 x 11/16" sit-rd-hd. machine<br>SCREW (4)<br>3/8" lock WASHER (4)   |
| 15       | 304 210 R11       | ROD and BUTTON, choke control<br>1/16 x 5/8" cotter PIN   |
| 16       | 322 018 R11       | DASH (TD-151-4001 Up)   |
| 16       | 274 324 R21       | DASH (TD-150-501 to 4000)<br>1/2 x 1" hex-hd. cap SCREW (2)<br>5/8" x 2-1/2" hex-hd cap SCREW (not<br>used on Pay Welder) (2)<br>5/8 x 4" hex-hd cap SCREW (used only on<br>Pay Welder) (2)<br>1/2" lock WASHER (2) |
|          | 289 555 R1        | SPACER, dash (2)  |





### DASH, ENGINE CONTROLS, INSTRUMENTS AND INSTRUMENT PANEL

INSTRUMENTS AND INSTRUMENT PANEL



IPA-42426B



### DASH, ENGINE CONTROLS, INSTRUMENTS AND INSTRUMENT PANEL

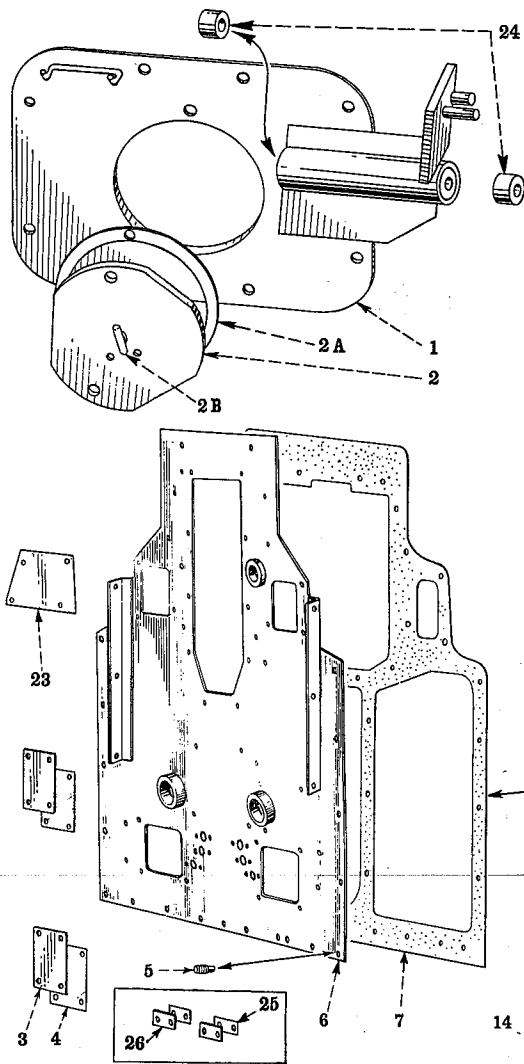
INSTRUMENTS AND INSTRUMENT PANEL - CONTINUED

| REF. NO. | I. H. PART NUMBER     | DESCRIPTION  |
|----------|-----------------------|--|
| 1        |                       | SWITCH ASSEMBLY, starting (for components see list of parts under details of "Starting Switch")  |
| 2        | 271 077 R91           | LIGHT ASSEMBLY, dash (for components see list of parts under details of "Dash Light") (2)  |
| 3        | 269 467 R92           | AMMETER, charge (Rochester) (also listed in "Electrical System")   |
| 4        | 62 801 DC             | SWITCH, ignition (for components see list of parts under details of "Ignition Switch")   |
| 5        |                       | LIGHTER, cigarette (for components see list of parts under details of "Cigarette Lighter")   |
| 6        |                       | SWITCH, lighting (Delco-Remy No. 1994050) (for components see list of parts under details of "Lighting Switch")  |
| 7        | 274 362 R1<br>178 020 | PANEL, instrument<br>PLUG, 29/32" dia. hole button (for cigarette lighter opening)<br>1/4 x 1/2" slt-rd-hd. mach. SCREW (4)<br>1/4" external-tooth lock WASHER (4) |
| 8        | 269 976 R91           | GAUGE, fuel oil pressure   |
| 10       | 257 523 R1            | CONNECTOR, fuel oil pressure gauge tube  |
| 11       | 369 987 R1            | NUT, fuel oil pressure gauge tube coupling (2)   |
| 12       | 322 054 R1            | TUBE, fuel oil pressure gauge (also listed in "Fuel System") (TD-151-4001 Up)  |
| 12       | 314 460 R1            | TUBE, fuel oil pressure gauge (will work for 305 263 R1) (also listed in "Fuel System") (TD-150 501 to 4000)   |

| REF. NO. | I. H. PART NUMBER | DESCRIPTION   |
|----------|-------------------|---|
| 13       | 362 120 R91       | CLIP, fuel oil pressure gauge tube (mounted under left lower ratchet housing nut)   |
| 14       | 252 374 R1        | ELBOW, fuel oil pressure gauge tube (engine end)  |
| 15       | 362 428 R92       | INDICATOR w/BUSHING, 51 510 D, heat (TD-151 - 4001 up)  |
| 15       | 67 136 D          | INDICATOR w/BUSHING, 51 510 D heat (TD-150-501 to 4000)   |
| 17       | 51 510 D          | BUSHING, reducing   |
| 18       | 258 634 R93       | INDICATOR, oil pressure   |
| 20       | 369 987 R1        | NUT, engine oil pressure gauge tube coupling (4)  |
| 21       | 274 359 R1        | TUBE, upper engine oil pressure gauge   |
| 22       | 255 828 R1        | ELBOW, engine oil pressure gauge tube   |
| 23       | 322 053 R1        | TUBE, lower engine oil pressure gauge (TD-151-4001 Up)  |
| 23       | 305 262 R1        | TUBE, lower engine oil pressure gauge (TD-150-501 to 4000)  |
| 24       | 362 120 R91       | CLIP, lower engine oil pressure gauge tube (mounted in radiator shutter control bracket bolt hole)<br>1/4" NUT<br>1/4 x 1/2" slt-rd-hd. mach. SCREW<br>1/4" lock WASHER |
| 24       | 16 445 D          | FELT, engine oil pressure gauge lower tube clip   |
|          | 362 120 R91       | CLIP, engine heat indicator (mounted under governor control ratchet upper RH nut)   |
|          | 120 408           | GROMMET (on dash) (3)   |
|          | 314 020 R1        | SHIELD, dash heat   |

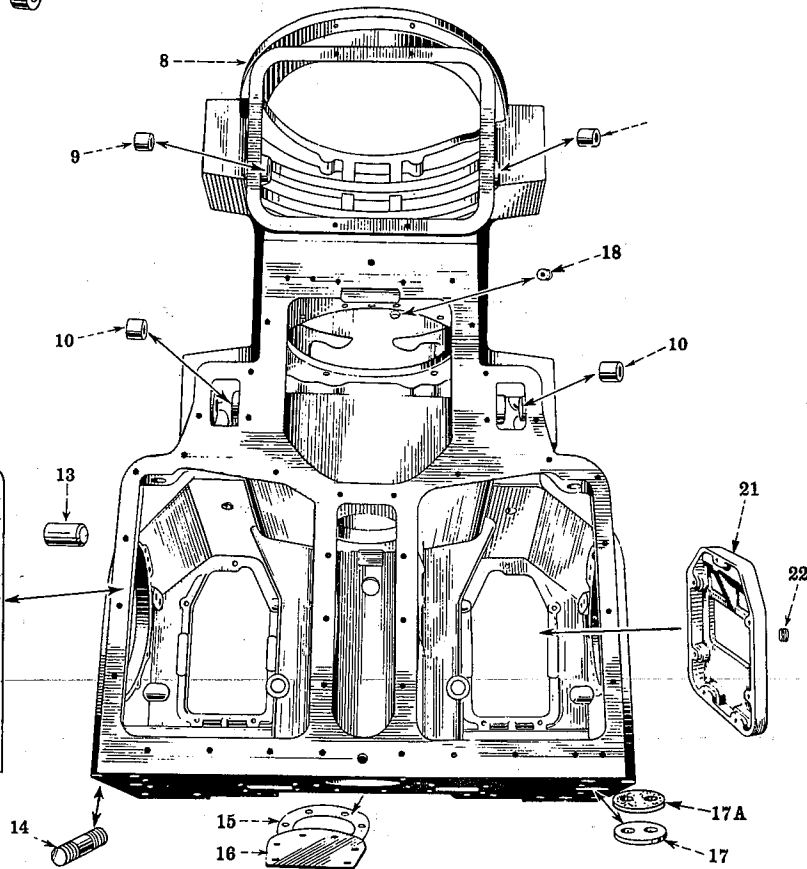
MAIN FRAME

MAIN FRAME AND COVER



MAIN FRAME

MAIN FRAME AND COVER - CONTINUED



IPA-42428 C

| REF. NO. | I. H. PART NUMBER | DESCRIPTION  |
|----------|-------------------|--|
| 1        | 279 959 R91       | COVER, engine clutch and RH brake pedal support (order 307 355 R91 and 307 350 R91) (TD-150-501 to 1913)<br>3/8 x 1" hex-hd. cap SCREW (7)<br>3/8 x 1-1/4" hex-hd. cap SCREW<br>3/8" lock WASHER (8) |
| 1        | 307 355 R91       | COVER w/two BUSHING, 263 696 R1 and two PIN, 307 357 R1 engine clutch and RH brake pedal support (together with 307 350 R91 will work for 279 959 R91) (TD-150-1914 to 4000) (TD-151-4001 Up)        |
| 2        | 42 547 D          | COVER, engine clutch inspection (TD-150-501 to 1913)<br>3/8 x 5/8" hex-hd. cap SCREW (3)<br>3/8" lock WASHER (3)   |

| REF. NO. | I. H. PART NUMBER | DESCRIPTION  |
|----------|-------------------|--|
| 2        | 307 350 R91       | COVER ASSEMBLY, engine clutch inspection (TD-150-1914 to 4000) (TD-151-4001 Up)<br>(Composed of -<br>1 BAR 307 354 R1<br>1 COVER 307 353 R1<br>1 HANDLE 17 054 R1<br>1 PIN 307 352 R1) |
| 2A       | 276 612 R1        | GASKET, engine clutch inspection cover   |
| 2B       | 307 353 R1        | HANDLE, engine clutch housing cover TD-150-1914 up   |
|          | 17 054 R1         | PIN, 3/16 x 7/8" roll<br>17/32 x 1-1/16 x No. 13 ga. flat copper WASHER  |
| 3        | 56 011 D          | COVER, steering clutch inspection (2)<br>5/16NF x 1/2" hex-hd. cap SCREW (8)<br>5/16" lock WASHER (8)  |



## MAIN FRAME

| REF. NO.                         | I.H. PART NUMBER | DESCRIPTION   |
|----------------------------------|------------------|---|
| MAIN FRAME AND COVER - CONTINUED |                  |   |
| 4                                | 56 014 D         | GASKET, steering clutch inspection cover (2)  |
| 5                                | 18 585 DA        | PIN, main frame cover dowel (4)   |
| 5                                | 21 990 D         | PIN, main frame cover dowel (used only on units equipped with PACKAGE, 320 520 R91) (4)   |
| 6                                | 279 956 R21      | COVER, main frame (used only on units equipped with PACKAGE, 320 520 R91)   |
|                                  | 318 947 R1       | BOLT, hex-hd. tapered (23)<br>1/2 x 1-1/4" hex-hd. cap SCREW (8)<br>1/2" lock WASHER (8)  |
| 6                                |                  | COVER (order 320 520 R91)   |
| 7                                | 279 958 R2       | GASKET, main frame cover  |
| 8                                | 279 955 R31      | FRAME ASSEMBLY, main (TD-150-3501 to 4000) (TD-151-4001 Up)<br>(Composed of -<br>2 BUSHING 41 598 D<br>4 BUSHING 41 599 D<br>16 CARRIER 64 815 D<br>2 DOWEL 314 864 R1<br>4 DOWEL 269 206 R1<br>§1 FRAME<br>1 PLUG 4 926 DBX<br>1 PLUG 271 647 R1<br>1 PLUG 279 559 R1<br>4 STUD 41 957 D<br>6 STUD 57 385 D) |
| 8                                | 279 955 R21      | FRAME ASSEMBLY, main (TD-150 501 to 3500)<br>(Order the following parts -<br>1 BEARING 319 973 R91<br>1 FRAME 279 955 R31<br>1 SHAFT 320 386 R11)   |
|                                  | 104 938          | CORK, 1/2" dia. x 11/16" long (2)   |
|                                  | 106 622          | CORK, 13/16" dia. x 1" long (2)   |
|                                  | 106 624          | CORK, 1 x 1-1/4" dia. x 1-1/4" long (6)   |
|                                  | 112 427          | CORK, 5/16" dia. x 1/2" long (2)  |
|                                  | 117 926          | CORK, 1-1/8" dia. x 1-1/4" long (2)   |
|                                  | 117 927          | CORK, 1-3/16" dia. x 1-1/4" long  |
|                                  | 117 928          | CORK, 1-1/4" dia. x 1-1/4" long (4)   |
| 9                                | 41 598 D         | BUSHING, engine clutch release shaft (2)  |
| 10                               | 41 599 D         | BUSHING, outer steering brake lever (4)   |
| 13                               | 269 206 R1       | DOWEL, steering brake anchor bracket (4)  |
| 14                               | 57 385 D         | STUD, drawbar guide bracket (6)<br>7/8" NF NUT (2)<br>7/8" lock WASHER (2)  |
| 15                               | 42 289 D         | GASKET, cover power take-off  |
| 16                               | 42 288 D         | COVER, power take-off<br>3/4 x 1" hex-hd. cap SCREW (6)   |
| 17                               | 275 066 R1       | COVER, steering clutch lubricating port (2)<br>1/2 x 1" hex-hd. cap SCREW (4)<br>1/2" lock WASHER (4)   |
| 17A                              | 282 818 R1       | GASKET, steering clutch lubricating port (2)  |
| 18                               | 4 926 DBX        | PLUG, engine clutch compartment drain   |
| 21                               | 269 235 R1       | COVER, LH steering brake inspection<br>1/2 x 1-1/2" hex-hd. cap SCREW (7)<br>1/2" lock WASHER (7)   |
| 21                               | 269 236 R1       | COVER, RH steering brake inspection<br>1/2 x 1-1/2" hex-hd. cap SCREW (7)<br>1/2" lock WASHER (7)   |
| 22                               | 4 926 DBX        | PLUG, steering brake inspection cover drain   |
| 23                               | 272 352 R1       | COVER, steering brake lever inner inspection  |



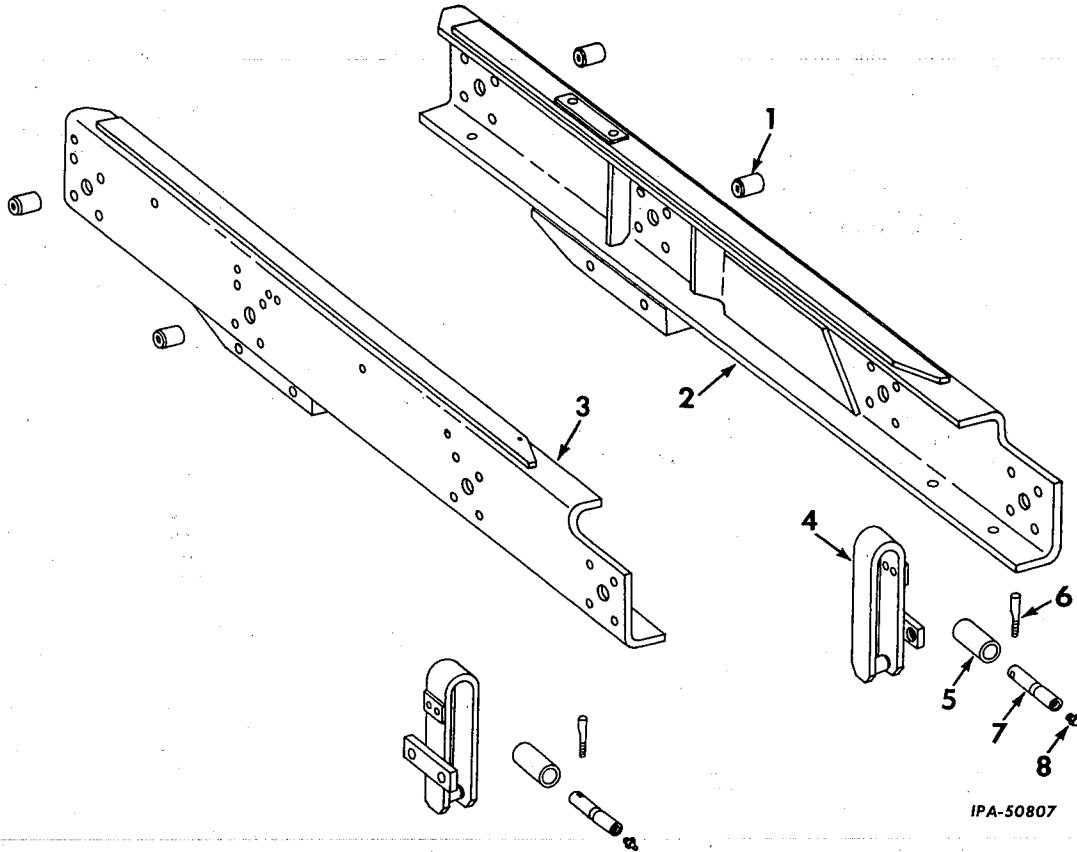
## MAIN FRAME

| REF. NO.                         | I.H. PART NUMBER | DESCRIPTION   |
|----------------------------------|------------------|---|
| MAIN FRAME AND COVER - CONTINUED |                  |   |
| 24                               | 263 696 R1       | BUSHING, RH brake pedal support (2)   |
| 25                               | 277 995 R1       | GASKET, vent hole closure plate (2)   |
| 26                               | 277 994 R1       | PLATE, vent hole closure (2)<br>1/4" NUT (4)<br>1/4 x 3/4" hex-hd. cap SCREW (4)<br>1/4" lock WASHER (4)  |
|                                  | 307 354 R1       | BAR, engine clutch inspection cover stop (TD-150-1914 to 4000) (TD-151-4001 Up)   |
|                                  | 64 815 D         | CARRIER and COVER STUD, sprocket drive (16)<br>1/8" x 5/8" cotter PIN (drain plug) (2)  |
|                                  | 318 806 R1       | GASKET, suction and return pipe (used only on units equipped with PACKAGE, 320 520 R91) (2)   |
|                                  | 320 520 R91      | PACKAGE, main frame cover (will work for 279 957 R91) (TD-150-3500 to 4000) (TD-151-4001 Up)<br>(Consists of -<br>1 ANCHOR 318 948 R1<br>23 BOLT 318 947 R1<br>1 COVER 279 956 R21<br>2 GASKET 318 806 R1<br>4 PIN 21 990 D<br>2 PIPE 318 949 R1<br>1 PLATE 318 946 R1)   |
|                                  | 18 585 DA        | PIN, engine clutch cover dowel (2)<br>7/16" NUT (used as plugs for decelerator mounting support)(2)<br>7/16 x 1" hex-hd. cap SCREW (used as plugs for decelerator mounting support) (2)<br>7/16" lock WASHER (used as plugs for decelerator mounting support)(2)  |
|                                  | 64 803 D         | PIN, sprocket drive carrier dowel (74" and 62" gauge) (TD-150 501 to 3500) (4)  |
|                                  | 314 864 R1       | PIN, sprocket drive carrier dowel (74" and 62" gauge) (TD-150 3501 to 4000) (TD-151 4001 up) (2)  |
|                                  | 307 352 R1       | PIN, engine clutch inspection cover lock (TD-150-1914 to 4000) (TD-151-4001 Up)   |
|                                  | 307 357 R1       | PIN, engine clutch inspection cover location (TD-150-1914 to 4000) (TD-151-4001 Up)   |
|                                  | 318 946 R1       | PLATE, header block (used only on units equipped with PACKAGE, 320 520 R91)<br>3/8 NF x 1" hex-hd. cap SCREW (2)<br>3/8" lock WASHER (2)  |
|                                  | 103 884          | PLUG, steel slt-hd. 1/4" pipe (for closing transmission vent tube union tee connector hole)   |
|                                  | 103 884          | PLUG, steel slt-hd. 1/4" pipe (for closing transmission vent tube union tee connector hole)<br>SCREW, 1/2 x 1/2" hex-hd. cap (plug for return line clamp) (used only on units equipped with PACKAGE, 320 520 R91)<br>SCREW, 1/4 x 3/4" hex-hd., cap (for plugging junction block holes when cover is shipped for service)<br>SCREW, hex-hd. 5/16 NF x 3/4" cap, (for plugging junction block holes) (2) |
|                                  | 41 957 D         | STUD, transmission end corner (4)   |
| § - Not Furnished Separately     |                  |   |



# MAIN FRAME

MAIN FRAME CHANNELS, TRACK FRAME  
GUIDE AND ROLLERS

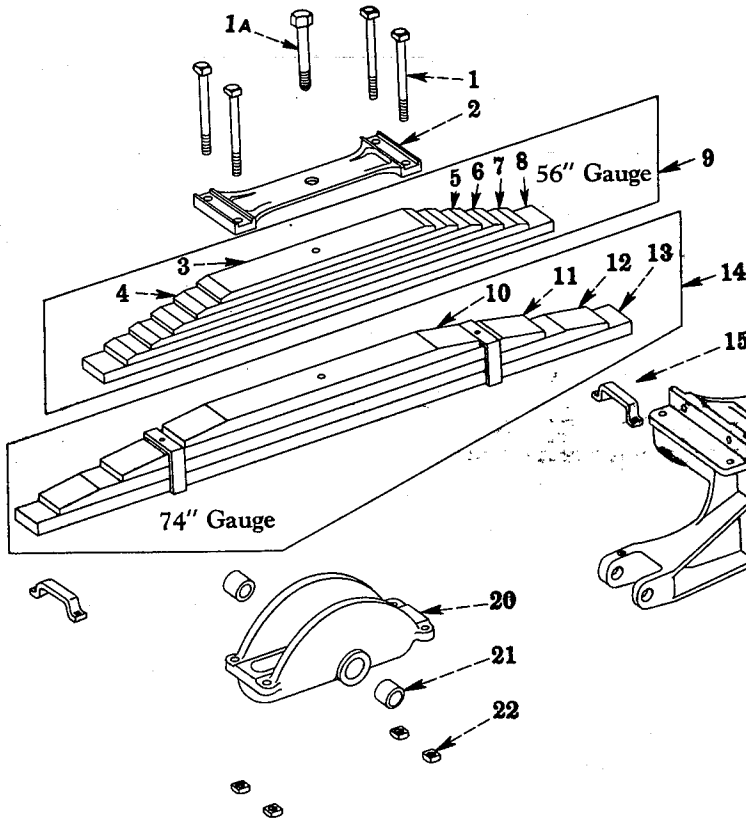


| REF. NO. | I.H. PART NUMBER | DESCRIPTION  |
|----------|------------------|--|
| 1        | 274 282 R1       | DOWEL, main frame side channel (4)<br>1/2 x 2-1/2" hex-hd. cap SCREW (4)<br>1/2" lock WASHER (4)     |
| 2        | 304 233 R11      | CHANNEL, LH main frame side<br>7/8 x 2-1/4" hex-hd. cap SCREW (8)                                    |
| 3        | 304 234 R11      | CHANNEL, RH main frame side<br>7/8 x 2-1/4" hex-hd. cap SCREW (8)                                    |
| 4        | 274 385 R91      | GUIDE, track frame (2)<br>7/8 x 1-1/2" hex-hd. cap SCREW (4)<br>7/8NF x 1-1/2" hex-hd. cap SCREW (4) |

| REF. NO. | I.H. PART NUMBER | DESCRIPTION   |
|----------|------------------|---|
| 5        | 274 384 R1       | ROLLER, track frame guide (2)   |
| 6        | 274 256 R2       | PIN, track frame guide roller shaft lock (2)<br>3/4NF NUT (2)                                     |
| 7        | 274 383 R2       | SHAFT, track frame guide roller (2)   |
| 8        | 109 461          | FITTING, track frame guide roller<br>lubrication (Lincoln 5000) (optional with<br>138 322 H) (2)  |
| 8        | 138 322 H        | FITTING, track frame guide roller lubrication<br>(Alemite 1610 BL) (optional with<br>109 461) (2) |

## MAIN FRAME

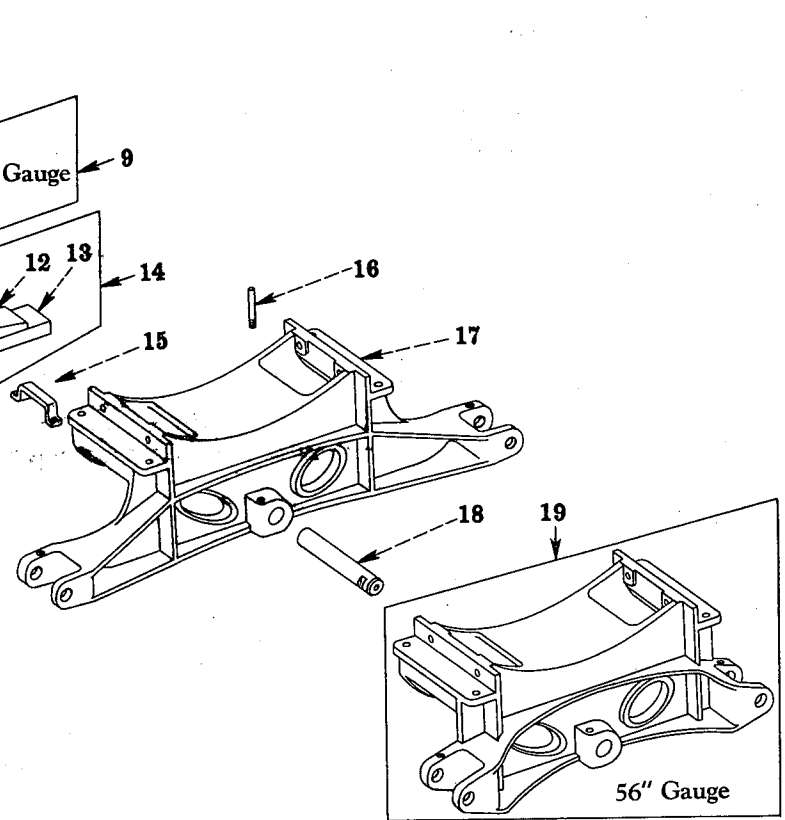
**EQUALIZER SPRING**  
(56" and 74" gauge tractors only)



IPB-10306 A

## MAIN FRAME

**EQUALIZER SPRING - CONTINUED**  
(56" and 74" gauge tractors only)



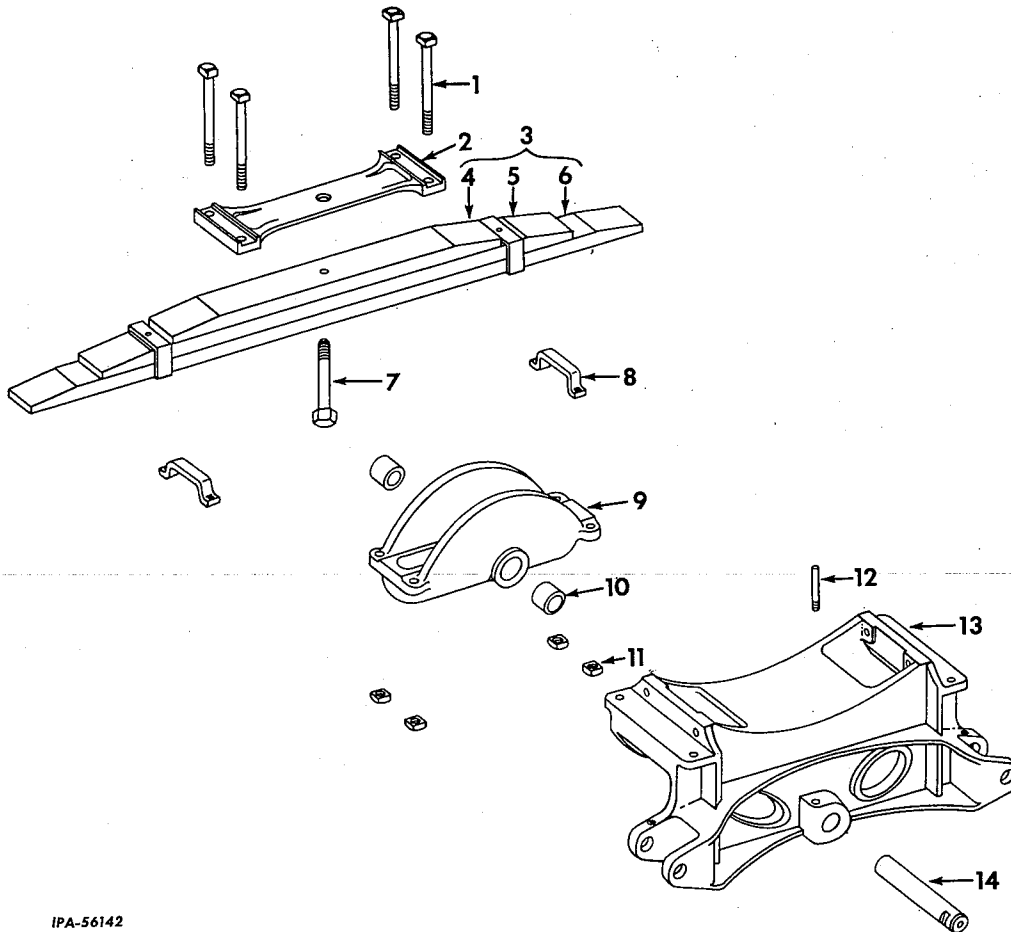
| REF. NO. | I.H. PART NUMBER | DESCRIPTION  |
|----------|------------------|--|
| 1        | 253 848 R1       | BOLT, equalizer spring saddle (4)                        |
| 1A       | 277 747 R1       | BOLT, equalizer spring center<br>5/8" NUT                |
| 2        | 274 333 R4       | BAR, clamp, equalizer spring saddle                      |
| 3        | 274 805 R1       | LEAF, equalizer spring (No. 6) (56" gauge)               |
| 4        | 274 804 R1       | LEAF, equalizer spring (No. 5) (56" gauge)               |
| 5        | 274 803 R1       | LEAF, equalizer spring (No. 4) (56" gauge)               |
| 6        | 274 802 R1       | LEAF, equalizer spring (No. 3) (56" gauge)               |
| 7        | 274 801 R1       | LEAF, equalizer spring (No. 2) (56" gauge)               |
| 8        | 274 800 R1       | LEAF, equalizer spring (No. 1) (56" gauge)               |
| 9        | 274 328 R91      | SPRING ASSEMBLY, equalizer (56" gauge)<br>(Composed of - |
|          | 1 BOLT           | 277 747 R1   |
|          | 1 LEAF           | 274 800 R1   |
|          | 1 LEAF           | 274 801 R1   |
|          | 1 LEAF           | 274 802 R1   |
|          | 1 LEAF           | 274 803 R1   |
|          | 1 LEAF           | 274 804 R1   |
|          | 1 LEAF           | 274 805 R1)  |

| REF. NO. | I.H. PART NUMBER | DESCRIPTION   |
|----------|------------------|---|
| 10       | 274 809 R2       | LEAF, equalizer spring (No. 4) (74" gauge)  |
| 11       | 274 808 R2       | LEAF, equalizer spring (No. 3) (74" gauge)  |
| 12       | 274 807 R1       | LEAF, equalizer spring (No. 2) (74" gauge)  |
| 13       | 274 806 R1       | LEAF, equalizer spring (No. 1) (74" gauge)  |
| 14       | 274 329 R92      | SPRING ASSEMBLY, equalizer (74" gauge)<br>(Composed of -  |
|          | 1 BOLT           | 277 747 R1  |
|          | 1 LEAF           | 274 806 R1  |
|          | 1 LEAF           | 274 807 R1  |
|          | 1 LEAF           | 274 808 R2  |
|          | 1 LEAF           | 274 809 R2)   |
| 15       | 304 292 R1       | BRACKET, equalizer spring rebound (2)<br>1 x 1-3/4" hex-hd. cap SCREW (4)   |
| 16       | 274 256 R2       | PIN, lock equalizer spring pivot shaft<br>3/8" NUT  |
| 17       | 274 332 R3       | SUPPORT, equalizer spring (74" gauge)<br>3/8" NUT (4)<br>3/4 x 4-1/2" hex-hd. cap SCREW (4)<br>3/4NF x 5" hex-hd. cap SCREW (4) |

# MAIN FRAME

| REF. NO.   | I.H. PART NUMBER | DESCRIPTION   |
|--|------------------|---|
| <b>EQUALIZER SPRING - CONTINUED</b><br>(56" and 74" gauge tractors only) |                  |   |
| 18   | 274 255 R1       | SHAFT, equalizer spring pivot   |
| 19   | 274 331 R2       | SUPPORT, equalizer spring (56" gauge)<br>3/8" NUT (4)<br>3/4 x 4-1/2" hex-hd. cap SCREW (4)<br>3/4NF x 5" hex-hd. cap SCREW (4) |

**EQUALIZER SPRING**  
(62" gauge tractors only)



IPA-56142

| REF. NO. | I.H. PART NUMBER | DESCRIPTION   |
|----------|------------------|---|
| 1        | 307 494 R1       | BOLT, equalizer spring saddle (4)   |
| 2        | 274 333 R4       | BAR, clamp, equalizer spring saddle   |
| 3        | 309 122 R91      | SPRING w/LEAF, 274 808 R2, LEAF, 274 809 R2 and LEAF, 309 149 R1, equalizer |
| 4        | 274 809 R2       | LEAF, equalizer spring (No. 3)  |
| 5        | 274 808 R2       | LEAF, equalizer spring (No. 2)  |
| 6        | 309 149 R1       | LEAF, equalizer spring (No. 1)  |
| 7        |                  | SCREW, 5/8NF x 5" hex-hd. cap<br>5/8" NUT                                   |
| 8        | 304 292 R1       | BRACKET, equalizer spring rebound (2)<br>1 x 1-3/4" hex-hd. cap SCREW (4)   |

# MAIN FRAME

| REF. NO.   | I.H. PART NUMBER | DESCRIPTION  |
|--|------------------|--|
| <b>EQUALIZER SPRING - CONTINUED</b><br>(56" and 74" gauge tractors only) |                  |  |
| 20   | 274 330 R31      | SADDLE w/two BUSHING, 274 252 R1<br>equalizer spring |
| 21   | 274 252 R1       | BUSHING, equalizer spring pivot shaft (2)            |
| 22   | 253 849 R1       | NUT, equalizer spring saddle (4)                     |

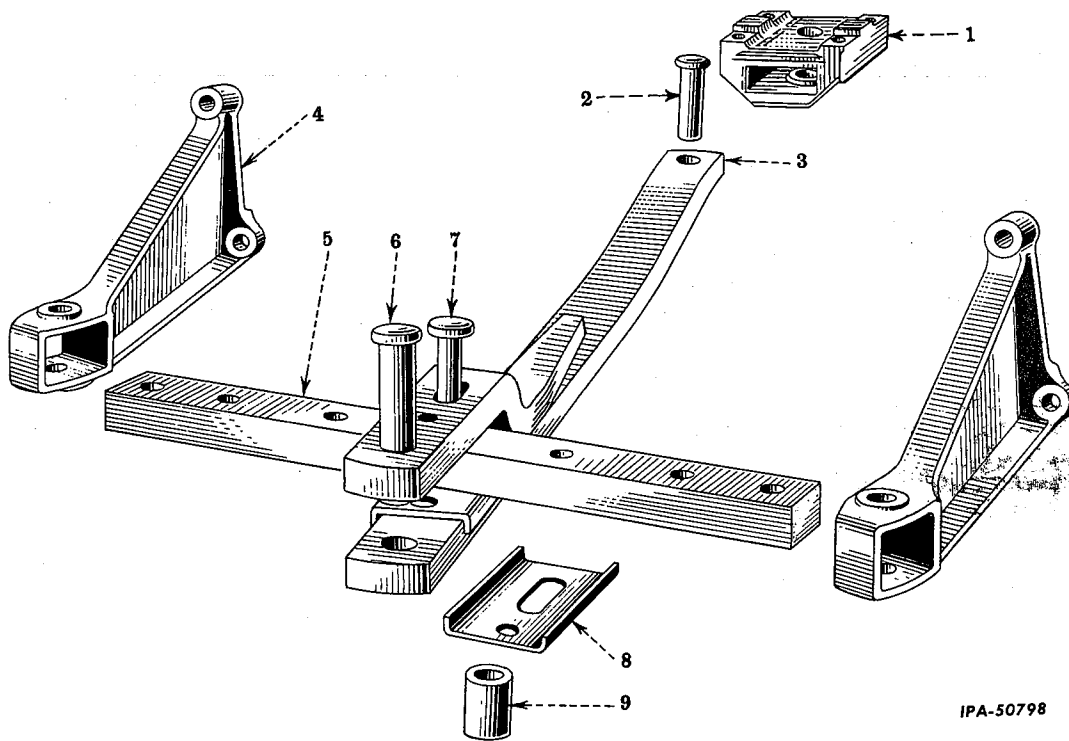
**EQUALIZER SPRING - CONTINUED**  
(62" gauge tractors only)

| REF. NO. | I.H. PART NUMBER | DESCRIPTION   |
|----------|------------------|---|
| 9        | 274 330 R31      | SADDLE w/two BUSHING, 274 252 R1,<br>equalizer spring   |
| 10       | 274 252 R1       | BUSHING, equalizer spring pivot shaft (2)   |
| 11       | 253 849 R1       | NUT, equalizer spring saddle (4)  |
| 12       | 274 256 R2       | PIN, equalizer spring pivot shaft lock<br>3/4NF NUT   |
| 13       | 307 495 R1       | SUPPORT, equalizer spring<br>3/4 x 4" hex-hd. cap SCREW (4)<br>3/4 x 4-1/2" hex-hd. cap SCREW (4) |
| 14       | 274 255 R1       | SHAFT, equalizer spring pivot   |

# DRAW BAR AND FRONT PULL HOOKS



SWINGING DRAWBAR



IPA-50798

# DRAW BAR AND FRONT PULL HOOKS



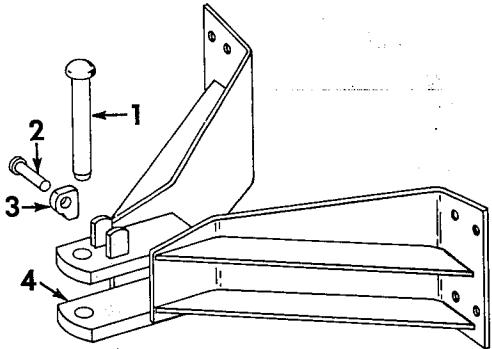
SWINGING DRAWBAR - CONTINUED

| REF. NO. | I. H. PART NUMBER       | DESCRIPTION  |
|----------|-------------------------|--|
| 1        | 274 326 R1              | BRACKET, drawbar pivot<br>1 x 3" hex-hd. cap SCREW (4)                               |
| 2        | 274 325 R1              | PIN, drawbar pivot   |
| 3        | 53 973 DA               | DRAWBAR w/upper JAW (order 304 756 R91)<br>(TD-150-501 to 631)                       |
| 3        | 304 750 R91             | DRAWBAR w/upper JAW (TD-150-632 to<br>4000) (TD-151-4001 Up)                         |
| 4        | 272 553 R1              | BRACKET, drawbar guide (2)<br>7/8NF NUT (6)  |
| 5        | 49 984 D<br>18 571 R1   | GUIDE, drawbar<br>SCREW, hex-hd., 1-1/8NF x 5" cap (2)                               |
| 6        | 49 986 D                | PIN, drawbar clevis (TD-150-501 to 631)<br>3/8 x 2-3/4" cotter PIN                   |
| 6        | 279 070 R1<br>12 465 R1 | PIN, drawbar clevis (TD-150-632 to 4000)<br>(TD-151-4001 Up)<br>PIN, 1/2 x 3" cotter |

| REF. NO. | I. H. PART NUMBER     | DESCRIPTION   |
|----------|-----------------------|---|
| 7        | 49 987 D              | PIN, drawbar stop (TD-150-501 to 631)   |
| 7        | 304 755 R1            | PIN, drawbar stop (TD-150-632 to 4000)<br>(TD-151-4001 Up)<br>1/4 x 2-1/4" cotter PIN   |
| 8        | 53 977 D<br>18 274 R1 | PLATE, drawbar clevis wear (2)<br>SCREW, hex-hd., 1NF x 7-1/2" cap<br>1NF NUT   |
| 9        | 53 976 D              | SPACER, drawbar jaw (TD-150-501 to 631)   |
| 9        | 304 754 R1            | SPACER, drawbar jaw (TD-150-632 to 4000)<br>(TD-151-4001 Up)  |
|          | 304 756 R91           | PACKAGE, drawbar field service (will work<br>for 53 973 DA) (TD-150 501 to 631)<br>(Composed of -<br>1 DRAWBAR 304 750 R91<br>1 NUT 216 353<br>1 PIN 304 755 R1<br>1 PIN 103 423<br>1 SPACER 304 754 R1<br>1 SCREW 18 274 R1) |

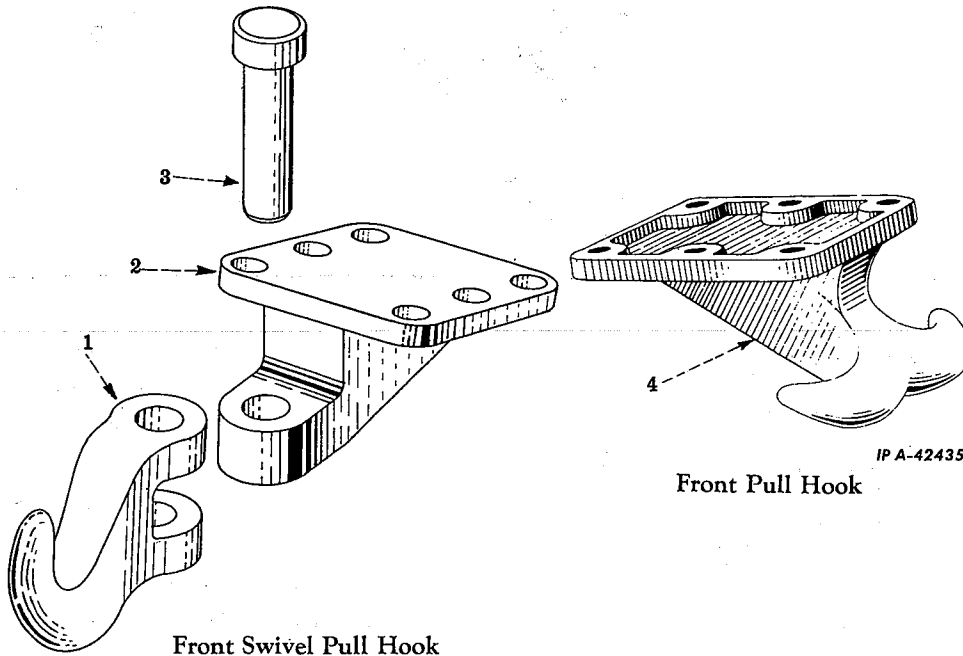
## DRAW BAR AND FRONT PULL HOOKS

### RIGID DRAWBAR



IPA-52530

### FRONT PULL HOOK



Front Swivel Pull Hook

## DRAW BAR AND FRONT PULL HOOKS

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

### RIGID DRAWBAR - CONTINUED

|   |             |   |
|---|-------------|---|
| 1 | 283 036 R1  | PIN, drawbar clevis                           |
| 2 | 33 558 V    | PIN, clevis cam lock<br>1/8 x 3/4" cotter PIN |
| 3 | 278 112 R1  | CAM, clevis pin lock                          |
| 4 | 320 662 R91 | DRAWBAR, rigid                                |
|   | 277 605 R1  | NUT, drawbar bracket stud (4)                 |
|   | 41 442 DA   | NUT, drawbar bracket stud (2)                 |
|   | 320 671 R1  | WASHER, drawbar small stud (4)                |
|   | 318 969 R1  | WASHER, drawbar large stud (2)                |

### FRONT PULL HOOK - CONTINUED

| REF. NO. | I. H. PART NUMBER | DESCRIPTION   |
|----------|-------------------|---|
| 2        | 276 482 R1        | BRACKET, front pull hook (Unit B)<br>7/8" NUT (6)<br>7/8 x 2-3/4" hex-hd. cap SCREW (6) |
| 3        | 51 184 D          | PIN, front pull hook (Unit B)   |
| 4        | 5 980 D           | HOOK, front pull (Unit A)<br>7/8" NUT (6)<br>7/8 x 2-1/2" hex-hd. cap SCREW (6)         |

NOTE - Factory Application - Order on machine Order Form  
Field Application - Order through Regular Service Parts Channels

(\*) - For use on machines equipped with crank-case guard ATTACHMENT, 304 293 R91

### ⊗ KEY TO UNITS -

|    |             |   |
|----|-------------|---|
| A- | 42 902 D    | ATTACHMENT, front pull hook (See NOTE) ⊗        |
| B- | 276 481 R91 | ATTACHMENT, swivel front pull hook (See NOTE) ⊗ |

⊗ - 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.

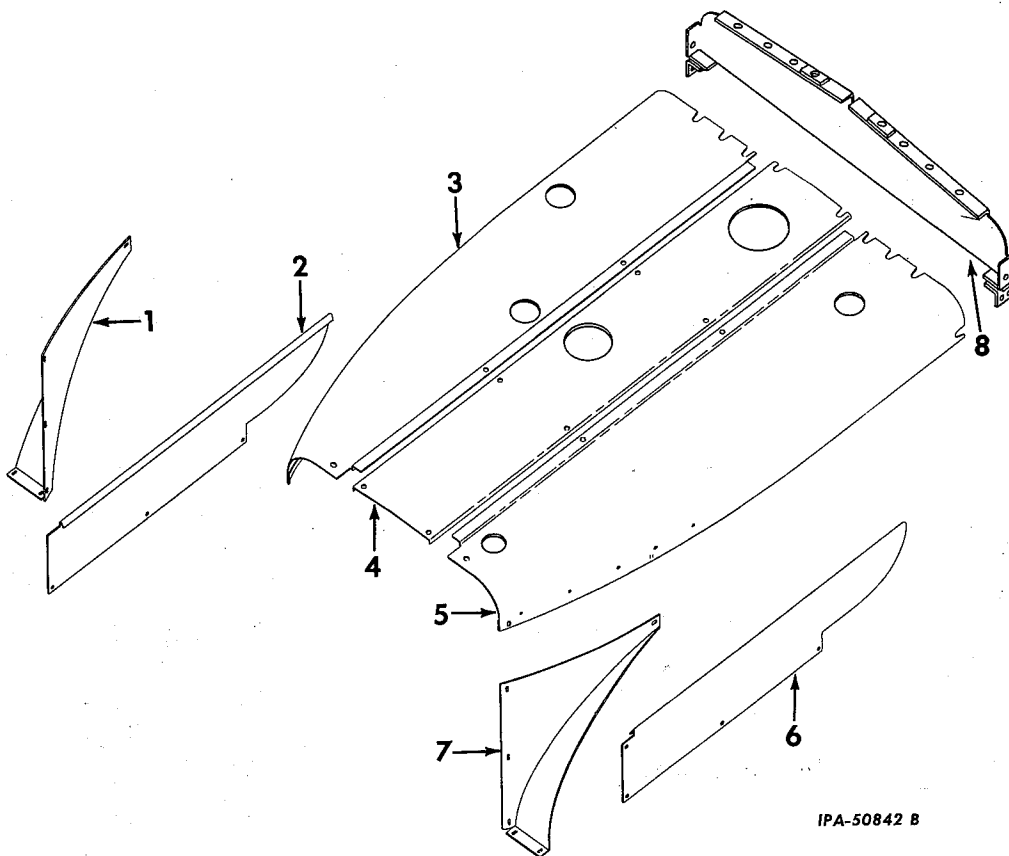
|   |         |                           |
|---|---------|---------------------------|
| 1 | 8 107 D | HOOK, front pull (Unit B) |
|---|---------|---------------------------|



**SHEET METAL, FENDERS,  
PLATFORMS AND SEATS**



HOOD AND ENGINE SIDE SHEETS



IPA-50842 B

**SHEET METAL, FENDERS,  
PLATFORMS AND SEATS**



HOOD AND ENGINE SIDE SHEETS — CONTINUED

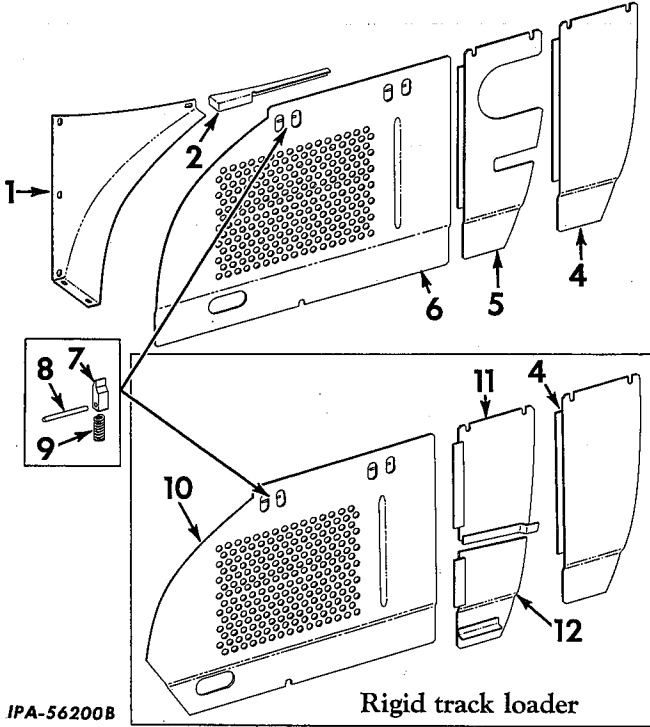
| REF. NO. | I. H. PART NUMBER | DESCRIPTION  |
|----------|-------------------|--|
| 1        | 322 012 R91       | SHEILD, LH heat (TD-151-4001 Up)<br>3/8" NUT<br>3/8 x 3/4" hex-hd cap SCREW (6)<br>3/8" lock WASHER (6)<br>13/32 x 13/16 x 1/16" ga. WASHER (6)      |
| 1        | 274 317 R11       | SHEILD, LH heat (TD-150-501 to 4000)<br>3/8" NUT<br>3/8 x 7/8" hex-hd. cap SCREW (5)<br>3/8" lock WASHER (5)<br>13/32 x 13/16 x 1/16" ga. WASHER (5) |
| 2        | 304 220 R11       | SHEET, LH engine side<br>3/8" NUT<br>3/8 x 5/8" hex-hd. cap SCREW (4)<br>3/8 x 1" hex-hd. cap SCREW<br>3/8" lock WASHER (5)                          |
| 3        | 322 211 R91       | SHEET, LH hood (TD-151-4001 Up)  |
| 3        | 307 289 R11       | SHEET, LH hood (will work for 304 217 R11) (TD-150-501 to 4000)  |
| 4        | 322 020 R11       | SHEET, center hood (TD-151-4001 Up)  |
| 4        | 304 216 R12       | SHEET, center hood (TD-150-501 to 4000)  |
| 5        | 322 212 R91       | SHEET, RH hood (TD-151-4001 Up)  |
| 5        | 307 290 R11       | SHEET, RH hood (will work for 304 218 R11) (TD-150-501 to 4000)  |
| 6        | 304 221 R11       | SHEET, RH engine side<br>3/8" NUT<br>3/8 x 5/8" hex-hd. cap SCREW (4)<br>3/8 x 1" hex-hd. cap SCREW<br>3/8" lock WASHER (5)                          |

| REF. NO. | I. H. PART NUMBER | DESCRIPTION  |
|----------|-------------------|--|
| 7        | 322 013 R91       | SHEILD, RH heat (TD-151-4001 Up)<br>3/8" NUT<br>3/8 x 3/4" hex-hd cap SCREW (6)<br>3/8" lock WASHER (6)<br>13/32 x 13/16 x 1/16" ga. WASHER (6)      |
| 7        | 274 318 R11       | SHEILD, RH heat (TD-150-501 to 4000)<br>3/8" NUT<br>3/8 x 7/8" hex-hd. cap SCREW (5)<br>3/8" lock WASHER (5)<br>13/32 x 13/16 x 1/16" ga. WASHER (5) |
| 8        | 307 618 R11       | SUPPORT, front hood (TD-150-2607 to 4000) (TD-151 4001 Up)<br>1/2NF x 1" hex-hd. cap SCREW (4)   |
|          | 276 223 R91       | CLAMP, exhaust extension pipe (2) (*)  |
|          | 276 226 R1        | EXTENSION, exhaust pipe (*)  |
|          | 350 513 R1        | RIVET, 7/64 x 3/8" flat-hd. (4)<br>SCREW, hex-hd 3/8 x 7/8" cap (for hood sheet) (16)  |
|          |                   | WASHER, lock, 3/8" (for hood sheet) (16)<br>WASHER, 13/32 x 13/16 x 1/16" ga. (for hood sheet) (10)  |
|          | 274 918 R1        | WASHER, hood plate (TD-150-2607 to 4000) (TD-151 4001 Up) (8)<br>3/8 x 3/4" hex-hd. cap SCREW (8)<br>3/8" lock WASHER (8)                            |

\* - Part of Altitude Compensation ATTACHMENTS, 320 593 R91 and 322 117 R91

# SHEET METAL, FENDERS, PLATFORMS AND SEATS

## HOOD SIDE DOORS



| REF. NO.                  | I. H. PART NUMBER | DESCRIPTION  |
|---------------------------|-------------------|--|
| <b>(X) KEY TO UNITS -</b> |                   |  |
| A                         | 307 250 R91       | ATTACHMENT, hood side door (for crawler tractors with standard radiator guard and also for crawler tractors equipped with cable operated blade equipment) (TD-15-150) (See NOTE 3) |
| B                         | 307 251 R91       | ATTACHMENT, hood side door (for crawler tractors equipped with hydraulically operated blade equipment) (TD-15-150) (See NOTE 3)  |
| C                         | 307 252 R91       | ATTACHMENT, hood side door (for crawler tractors with rigid track loader equipment combination (TD-15-150) (See NOTE 3)  |
| D                         | 322 203 R91       | ATTACHMENT, hood side door (for crawler tractors equipped with standard radiator guard and cable operated equipment (TD-15-151) (See NOTE 3)                                       |
| E                         | 322 213 R91       | ATTACHMENT, hood side door (for crawler tractors equipped with hydraulically operated blade equipment) (TD-15-151) (See NOTE 3)  |
| F                         | 322 216 R91       | ATTACHMENT, hood side door (for crawler tractors equipped with rigid track loader equipment combinations) (TD-15-151) (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.

# SHEET METAL, FENDERS, PLATFORMS AND SEATS

## HOOD SIDE DOORS - CONTINUED

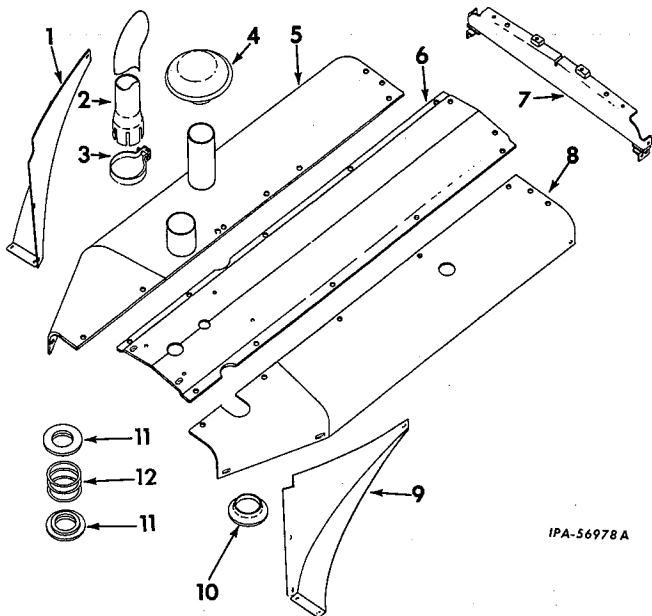
| REF. NO. | I. H. PART NUMBER | DESCRIPTION   |
|----------|-------------------|---|
| 1        | 307 285 R91       | SHIELD, LH heat (Unit A and B)  |
| 1        | 307 286 R91       | SHIELD, RH heat (Unit A and B)  |
| 2        | 307 265 R91       | STOP, LH hood side door (Unit A, B, D and E)  |
| 2        | 307 266 R91       | STOP, RH hood side door (Unit A, B, D and E)  |
|          |                   | 3/8" NUT (4)  |
|          |                   | 3/8" hex-hd. cap SCREW (4)  |
|          |                   | 3/8" lock WASHER (4)  |
| 4        | 307 271 R11       | PLATE, LH front hood side door (Unit A)   |
| 4        | 307 272 R11       | PLATE, RH front hood side door (Unit A and C)   |
| 4        | 322 208 R11       | PLATE, LH hood side door front (Units D and F)  |
| 4        | 322 209 R11       | PLATE, RH hood side door front (Units D and F)  |
|          |                   | 7/16" NUT (2)   |
|          |                   | 7/16 x 5/8" hex-hd. cap SCREW (2)   |
|          |                   | 7/16" lock WASHER (2)   |
| 5        | 307 274 R11       | PLATE, LH front hood side door (Unit B)   |
| 5        | 307 275 R11       | PLATE, RH front hood side door (Unit B)   |
| 5        | 322 214 R11       | PLATE, LH hood side door front (Unit E)   |
| 5        | 322 215 R11       | PLATE, RH hood side door front (Unit E)   |
|          |                   | 7/16" NUT (2)   |
|          |                   | 7/16 x 5/8" hex-hd. cap SCREW (2)   |
|          |                   | 7/16" lock WASHER (2)   |
| 6        | 307 256 R11       | DOOR w/two SPRING, 307 258 R1 two PLUNGER, 307 260 R1 and two PIN, 278 508 R1, LH hood side (Unit A and B)  |
| 6        | 307 257 R11       | DOOR w/two SPRING, 307 258 R1, two PLUNGER, 307 260 R1 and two PIN, 278 508 R1, RH hood side (Unit A and B) |
| 6        | 322 204 R11       | DOOR w/two SPRING, 307 258 R1, two PLUNGER, 307 260 R1 and two PIN, 278 508 R1, LH hood side (Unit D and E) |
| 6        | 322 205 R11       | DOOR w/two SPRING, 307 258 R1, two PLUNGER, 307 260 R1 and two PIN, 278 508 R1, RH hood side (Unit D and E) |
| 7        | 307 260 R1        | PLUNGER, latch (4)  |
| 8        | 278 508 R1        | PIN, platform latch (4)   |
| 9        | 307 258 R1        | SPRING, hood side door latch (4)  |
| 10       | 307 263 R11       | DOOR w/two SPRING, 307 258 R1, two PLUNGER, 307 260 R1 and two PIN, 278 508 R1, LH hood side (Unit C)       |
| 10       | 307 264 R11       | DOOR w/two SPRING, 307 258 R1, two PLUNGER, 307 260 R1 and two PIN, 278 508 R1, RH hood side (Unit C)       |
| 10       | 322 217 R11       | DOOR w/two SPRING, 307 258 R1, two PLUNGER, 307 260 R1 and two PIN, 278 508 R1, LH hood side (Unit F)       |
| 10       | 322 218 R11       | DOOR w/two SPRING, 307 258 R1, two PLUNGER, 307 260 R1 and two PIN, 278 508 R1, RH hood side (Unit F)       |
| 11       | 307 276 R11       | PLATE, LH upper front hood side door (Unit C)   |
|          |                   | 7/16" NUT (2)   |
|          |                   | 7/16 x 5/8" hex-hd. cap SCREW (2)   |
|          |                   | 7/16" lock WASHER (2)   |
| 12       | 307 279 R11       | PLATE, LH bottom front hood side door (Unit C)  |
|          |                   | NUT, 3/8" (2) (†)   |
|          |                   | SCREW, 3/8 x 5/8" hex-hd. cap (2) (†)   |
|          |                   | SCREW, 3/8 x 7/8" hex-hd cap (2) (†)  |
|          |                   | WASHER, 3/8" lock (2) (†)   |
|          |                   | WASHER, 13/32 x 7/8" x .06 (2) (†)  |

NOTE 1 - Factory Application - Order on Machine Order Form.  
 NOTE 3 - Field Application - Order through Regular Service Parts Channels.  
 (†) - For engine sheet slotted holes.

**SHEET METAL, FENDERS,  
PLATFORMS AND SEATS**



**HEAVY HOOD**  
(TD-15-150 Series)



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

(X) - KEY TO UNITS -

- A - 322 472 R91 ATTACHMENT, heavy hood (See NOTE 3) (TD-150 501 to 1572)
- B - 311 450 R91 ATTACHMENT, heavy hood (See NOTE 3) (TD-150 1573 up)

(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.

- 1 311 461 R11 SHIELD, LH heat  
3/8 x 3/4" hex-hd cap SCREW (4)  
3/8" lock WASHER (4)  
13/32 x 13/16 x 16 ga WASHER (4)
- 2 318 988 R91 TUBE, exhaust extension (\*) (not \$)
- 2 320 569 R1 PIPE, exhaust extension (\$)
- 3 311 468 R11 CLAMP w/BOLT, 15 022 R1, exhaust extension tube (\*) (not \$) (2)
- 3 318 766 R91 CLAMP, exhaust extension pipe (\$) (2)
- 15 022 R1 BOLT, 5/16 x 1-1/4" carriage (2)
- 5/16" NUT (2)
- 4 272 152 R91 CAP, air stack (not \$)
- 4 321 272 R1 CAP, air cleaner (\$)
- 5 311 452 R92 SHEET, LH hood side (not \$)
- 5 322 219 R91 SHEET, LH hood side (\$)  
1/2 x 1-1/8" hex-hd cap SCREW (2)  
3/8 x 1" hex-hd cap SCREW (2)  
1/2" lock WASHER (2)  
3/8" lock WASHER (2)
- 311 460 R1 WASHER, hood sheet pilot (2)

**SHEET METAL, FENDERS,  
PLATFORMS AND SEATS**



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

**HEAVY HOOD - CONTINUED**  
(TD-15-150 Series)

- 6 311 451 R11 SHEET, center hood  
1/2 x 1-1/8" hex-hd cap SCREW (12)  
3/8 x 1" hex-hd cap SCREW (2)  
1/2" lock WASHER (12)  
3/8" lock WASHER (2)
- 311 460 R1 WASHER, hood sheet pilot (2)
- 7 314 322 R91 SUPPORT, front hood  
1/2NF x 1" hex-hd cap SCREW (4)
- 8 311 453 R91 SHEET, RH hood side  
1/2 x 1-1/8" hex-hd cap SCREW (2)  
3/8 x 1" hex-hd cap SCREW (2)  
1/2" lock WASHER (2)  
3/8" lock WASHER (2)
- 311 460 R1 WASHER, hood sheet pilot (2)
- 9 311 462 R11 SHIELD, RH heat  
3/8" lock WASHER (6)  
13/32 x 13/16 x 16 ga WASHER (6)  
3/8 x 3/4" hex-hd cap SCREW (6)
- 10 321 274 R1 SEAL, air cleaner (\$)
- 11 320 565 R91 RETAINER, spring (\$) (2)
- 11 320 539 R11 RETAINER, spring (not \$) (2)
- 12 318 991 R1 SPRING, baffle (not \$)
- 12 320 568 R1 SPRING, exhaust baffle (\$)

CLIP, overflow pipe (not furnished separately) (Unit A)

300 916 R1 CLIP (part of PACKAGE, 307 374 R91) (Unit A)

307 345 R1 HOSE, radiator to auxiliary tank (part of PACKAGE, 307 374 R91) (Unit A)

HOUSING, upper tank (not furnished separately) (Unit A)

318 989 R91 MUFFLER ASSEMBLY, exhaust (†)

307 374 R91 PACKAGE, auxiliary tank to radiator tube (consists of CLIP, 300 916 R1, HOSE, 307 345 R1 and TUBE, 307 373 R1) (Unit A)

307 373 R1 TUBE, auxiliary tank to radiator (part of PACKAGE, 307 374 R91) (Unit A)

TUBE, overflow (not furnished separately) (Unit A)

320 625 R1 TUBE, offset (for pre-cleaner) (\$)

318 765 R1 TUBE, exhaust (\$)

(\*) - Not used with Exhaust Rain Cap Attachment, 314 409 R91.

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

(†) - Also listed and illustrated with "Exhaust Muffler and Air Cleaner Bracket" in Engine Section of this catalog.

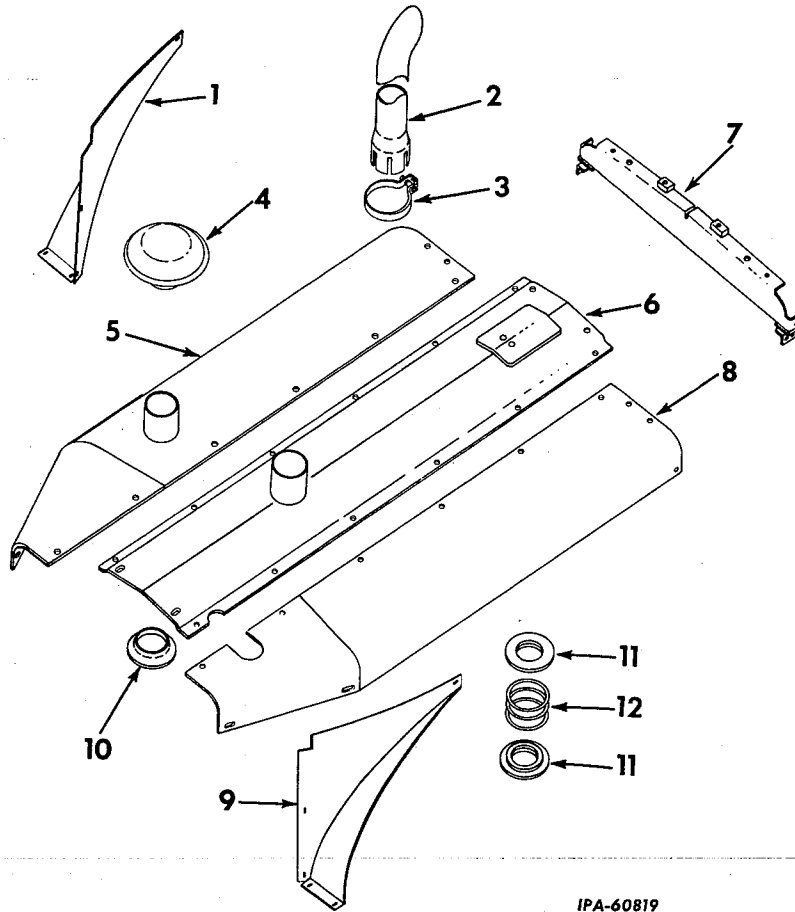
\$ - Part of Altitude Compensation Attachment, 320 594 R91.

# SHEET METAL, FENDERS, PLATFORMS AND SEATS

HEAVY HOOD (TD-15-151 SERIES)

# SHEET METAL, FENDERS, PLATFORMS AND SEATS

HEAVY HOOD (TD-15-151 SERIES) - CONTINUED



IPA-60819

| REF. NO. | I. H. PART NUMBER | DESCRIPTION  |
|----------|-------------------|--|
|          | 322 180 R91       | ATTACHMENT, heavy hood (See NOTES 1 and 3)   |
| 1        | 322 176 R11       | SHEILD, LH heat<br>3/8 x 3/4" hex-hd. cap SCREW (5)<br>3/8 x 1" hex-hd cap SCREW<br>3/8" lock WASHER (6)<br>13/32 x 13/16 x 1/16" WASHER (5) |
| 2        | 320 569 R1        | TUBE, exhaust extension  |
| 3        | 318 766 R91       | CLAMP, exhaust extension tube (2)  |
|          | 15 022 R1         | BOLT, 5/16 x 1-1/4" carriage   |
|          | 5/16" NUT         |  |
| 4        | 321 272 R1        | CAP, air stack   |
| 5        | 322 219 R91       | SHEET, LH hood<br>3/8 x 1" hex-hd cap SCREW (2)<br>1/2 x 1-1/8" hex-hd cap SCREW (2)<br>3/8" lock WASHER (2)<br>1/2" lock WASHER (2)         |
|          | 311 460 R1        | WASHER, hood sheet pilot (2)   |
| 6        | 322 175 R11       | SHEET, hood center<br>3/8 x 1" hex-hd cap SCREW (2)<br>1/2 x 1-1/8" hex-hd cap SCREW (12)<br>3/8" lock WASHER (2)<br>1/2" lock WASHER (12)   |
|          | 311 460 R1        | WASHER, hood sheet pilot (2)   |

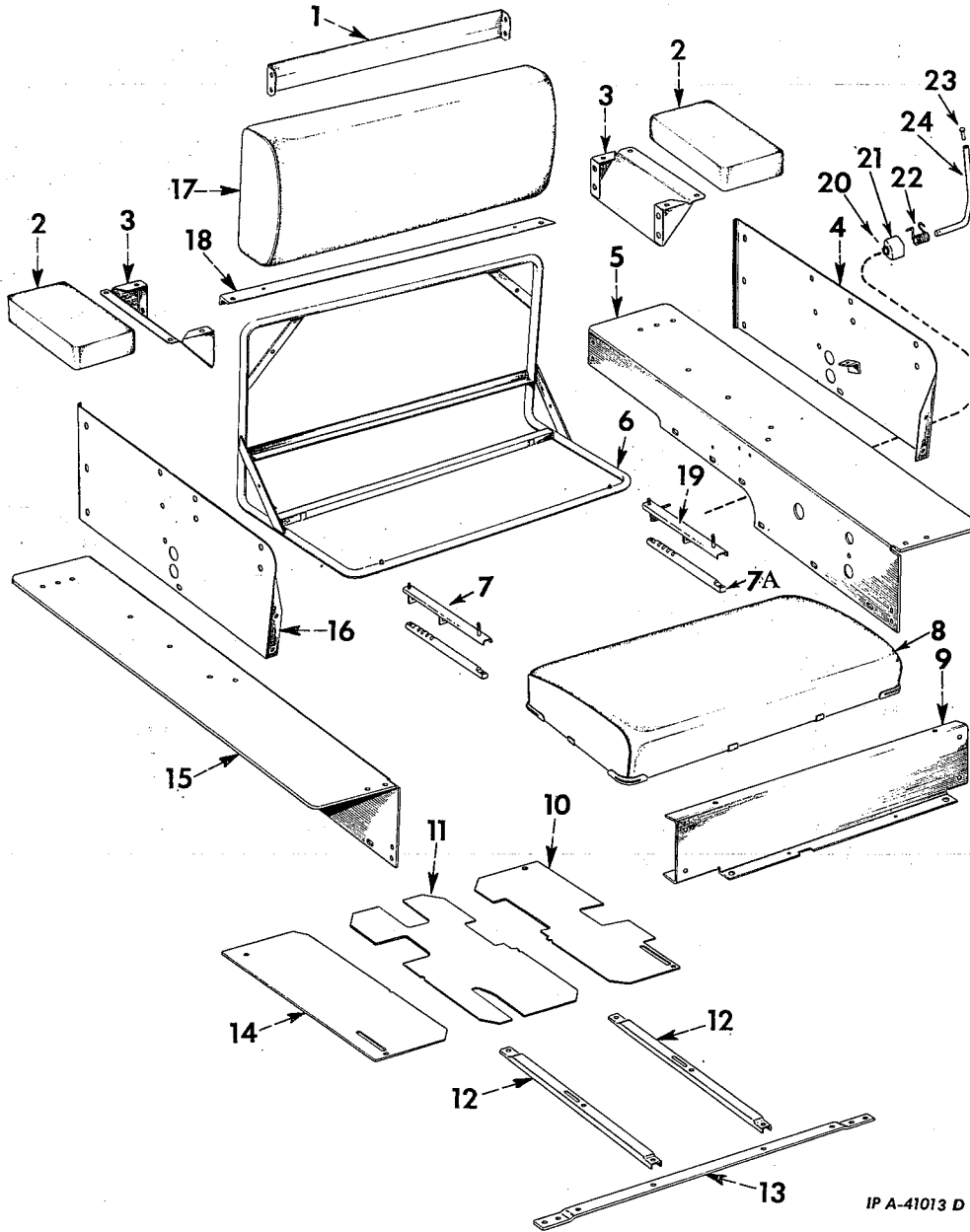
| REF. NO. | I. H. PART NUMBER | DESCRIPTION   |
|----------|-------------------|---|
| 7        | 314 322 R91       | SUPPORT, front hood<br>1/2NF x 1" hex-hd cap SCREW (4)  |
| 8        | 322 220 R91       | SHEET, RH hood<br>3/8 x 1" hex-hd cap SCREW (2)<br>1/2 x 1-1/8" hex-hd cap SCREW (2)<br>3/8" lock WASHER (2)<br>1/2" lock WASHER (2)        |
|          | 311 460 R1        | WASHER, hood sheet pilot (2)  |
| 9        | 322 177 R11       | SHEILD, RH heat<br>3/8 x 3/4" hex-hd cap SCREW (5)<br>3/8 x 1" hex-hd cap SCREW<br>3/8" lock WASHER (6)<br>13/32 x 13/16 x 1/16" WASHER (5) |
| 10       | 321 274 R1        | SEAL, air cleaner   |
| 11       | 320 539 R11       | RETAINER, spring (not %) (2)  |
| 11       | 320 565 R91       | RETAINER, spring (%) (2)  |
| 12       | 318 991 R1        | SPRING, baffle (not %)  |
| 12       | 320 568 R1        | SPRING, baffle (%)  |

NOTE 1 - Factory Application - Order on Machine Order Form.  
 NOTE 3 - Field Application - Order through Regular Service Parts Channels.  
 % - Part of Altitude Compensation ATTACHMENTS, 322 123 R91 and 331 788 R91

# SHEET METAL, FENDERS, PLATFORMS AND SEATS



SEAT, FENDERS AND PLATFORMS



IP A-41013 D

| REF. NO. | I.H. PART NUMBER | DESCRIPTION  |
|----------|------------------|--|
| 1        | 272 390 R1       | BRACE, fender cross (rear)<br>1/2" NUT (4)<br>1/2 x 1-1/2" hex-hd. cap SCREW (4)<br>1/2" lock WASHER (4) |
| 2        | 272 239 R92      | CUSHION, seat side (2)<br>3/8 x 3/4" hex-hd. cap SCREW (8)<br>3/8" lock WASHER (8)                       |
| 3        | 252 172 R11      | SUPPORT, seat cushion side (2)<br>3/8 x 5/8" hex-hd. cap SCREW (8)<br>3/8" lock WASHER (8)               |

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# SHEET METAL, FENDERS, PLATFORMS AND SEATS



SEAT, FENDERS AND PLATFORMS - CONTINUED

| REF. NO. | I.H. PART NUMBER | DESCRIPTION   |
|----------|------------------|---|
| 4        | 272 325 R11      | SHEET w/BRACKET, LH seat side<br>3/8" NUT (6)<br>3/8 x 7/8" hex-hd. cap SCREW (6)<br>3/8 x 1-1/8" hex-hd. cap SCREW (3)<br>3/8" lock WASHER (9)                         |
| 5        | 272 387 R11      | FENDER, LH<br>1/2" NUT (3)<br>1/2 x 1-1/4" hex-hd. cap SCREW (4)<br>1/2 x 1-1/2" hex-hd. cap SCREW (3)<br>1/2" lock WASHER (7)<br>17/32 x 1-1/16 x 3/32" ga. WASHER (6) |

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SHEET METAL, FENDERS, PLATFORMS AND SEATS

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

SEAT, FENDERS AND PLATFORMS - CONTINUED

|    |                           |  |
|----|---------------------------|--|
| 6  |                           | FRAME, seat w/slide RAIL (TD-150-501 to 2972) (order two CHANNEL, 307 317 R12, one FRAME, 307 313 R91, two NUT, 307 315 R1 and two RAIL, 307 316 R1)                           |
| 6  | 307 313 R91<br>307 315 R1 | FRAME, seat (TD-150-2973 to 4000) (TD-151-4001 up)<br>NUT, seat cushion bottom (2)<br>5/16NF hex NUT (2)<br>5/16" internal tooth lock WASHER (4)                               |
| 7  | 307 317 R12               | CHANNEL, R.H. seat frame slide rail (TD-150-2973 to 4000) (TD-151-4001 up)   |
| 7A |                           | RAIL, seat frame (TD-150-501 to 2972) (order two CHANNEL, 307 317 R12 and two RAIL, 307 316 R1)  |
| 7A | 307 316 R1                | RAIL, seat frame (TD-150-2973 to 4000) (TD-151-4001 up) (2)<br>5/16NF NUT (4)<br>5/16NF x 1-1/4" hex-hd. cap SCREW (4)<br>5/16" medium lock WASHER (4)                         |
| 8  | 272 398 R91               | CUSHION, seat bottom   |
| 9  | 272 236 R21               | SUPPORT, front seat<br>3/8" NUT (4)<br>1/2" NUT (2)<br>3/8 x 3/4" hex-hd. cap SCREW (4)<br>1/2 x 1-3/8" hex-hd. cap SCREW (2)<br>3/8" lock WASHER (4)<br>1/2" lock WASHER (2)  |
| 10 | 272 328 R2                | PLATFORM, LH<br>3/8 x 7/8" hex-hd. cap SCREW (2)<br>3/8" lock WASHER (2)<br>13/32 x 13/16 x No. 16 ga. WASHER (2)  |
| 11 | 279 961 R1                | PLATFORM, center<br>3/8 x 7/8" hex-hd. cap SCREW (2)<br>3/8" lock WASHER (2)<br>13/32 x 13/16 x No. 16 ga. WASHER (2)  |
| 12 | 272 327 R11               | SUPPORT, platform (2)<br>3/8" NUT (4)<br>3/8 x 1" hex-hd. cap SCREW (2)<br>3/8 x 1-1/8" hex-hd. cap SCREW (2)<br>3/8" lock WASHER (4)<br>13/32 x 13/16 x No. 16 ga. WASHER (2) |
| 13 | 272 389 R1                | BRACE, fender cross, (front)<br>1/2" NUT (4)<br>1/2 x 1-5/8" hex-hd. cap SCREW (4)<br>1/2" lock WASHER (4)   |
| 14 | 272 329 R1                | PLATFORM, RH<br>3/8 x 7/8" hex-hd. cap SCREW (2)<br>3/8" lock WASHER (2)<br>13/32 x 13/16 x No. 16 ga. WASHER (2)  |
| 15 | 272 388 R11               | FENDER, RH<br>1/2" NUT (3)<br>1/2 x 1-1/4" hex-hd. cap SCREW (4)<br>1/2 x 1-1/2" hex-hd. cap SCREW (3)<br>1/2" lock WASHER (7)<br>17/32 x 1-1/16 x 3/32" ga. WASHER (6)        |
| 16 | 272 326 R11               | SHEET w/BRACKET, RH seat side<br>3/8" NUT (6)<br>3/8 x 7/8" hex-hd. cap SCREW (6)<br>3/8 x 1-1/8" hex-hd. cap SCREW (3)<br>3/8" lock WASHER (9)                                |
| 17 | 272 397 R91               | CUSHION, seat back<br>5/16 x 3/4" hex-hd. cap SCREW (2)<br>5/16" lock WASHER (2)<br>11/32 x 11/16 x 1/16" ga. WASHER (2)   |

SHEET METAL, FENDERS, PLATFORMS AND SEATS

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

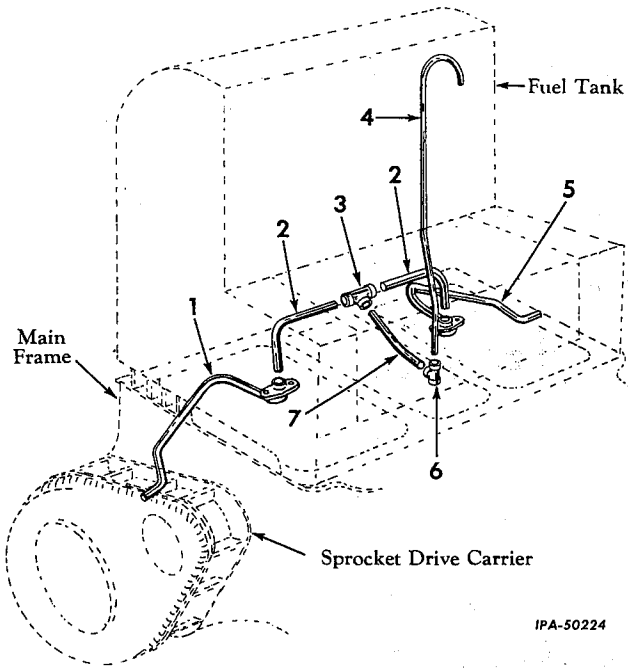
SEAT, FENDERS AND PLATFORMS - CONTINUED

|    |             |   |
|----|-------------|---|
| 18 | 283 321 R91 | SUPPORT, seat (rear)<br>1/2" NUT (2)<br>1/2 x 3/4" hex-hd. cap SCREW (2)<br>1/2" lock WASHER (2)  |
| 19 | 307 317 R12 | CHANNEL, LH seat frame slide rail (TD-150-2973 to 4000) (TD-151-4001 to 5159) (order PACKAGE, 331 606 R91)  |
| 19 | 331 596 R91 | CHANNEL, LH seat frame slide rail (TD-151-5160 up)  |
| 20 | 19 371 R1   | PIN, 1/8 x 3/4" (TD-151-5160 up)  |
| 21 | 331 595 R1  | LOCK, seat (TD-151-5160 up)   |
| 22 | 331 594 R1  | SPRING, latch torsion (TD-151-5160 up)  |
| 23 | 331 591 R1  | PLUG, seat adjusting handle (TD-151-5160 up)  |
| 24 | 331 592 R1  | HANDLE, seat adjusting (TD-151-5160 up)   |
|    | 273 100 R1  | ADJUSTER, RH seat (order 307 317 R12)   |
|    | 273 101 R1  | ADJUSTER, LH seat (order 307 317 R12)   |
|    | 331 606 R91 | PACKAGE, seat slide rail lock field service (TD-150-2973 to 4000) (TD-151-4001 to 5159)<br>(Composed of -<br>1 CHANNEL 331 596 R91<br>1 HANDLE 331 592 R1<br>1 LOCK 331 595 R1<br>1 PIN 19 371 R1<br>1 PLUG 331 591 R1<br>1 SPRING 331 594 R1 ) |
|    | 273 102 R1  | ROD, slide rail connecting  |
|    | 273 103 R1  | SPRING, seat adjuster (2)   |



# FINAL DRIVE

## SPROCKET DRIVE VENT TUBES, TRANSMISSION VENT TUBES AND CONNECTORS

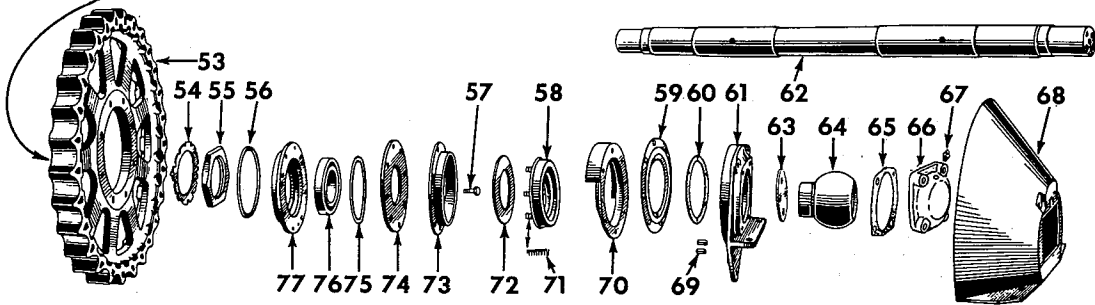
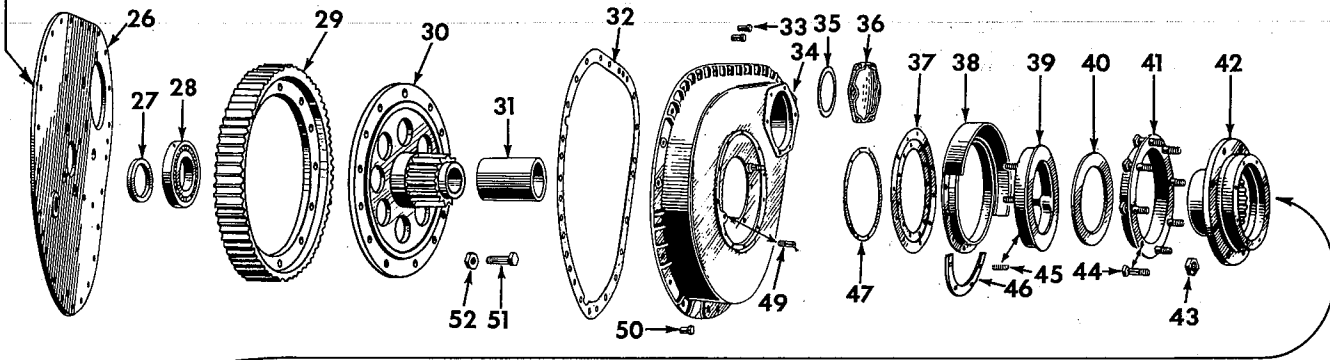
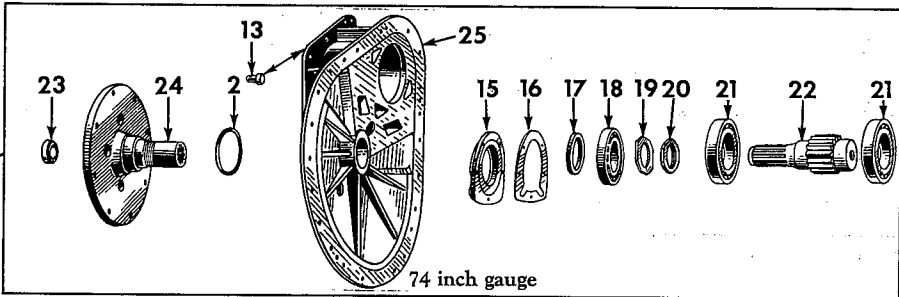
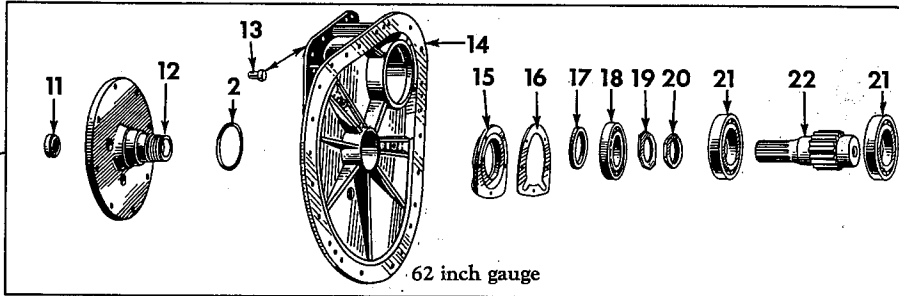
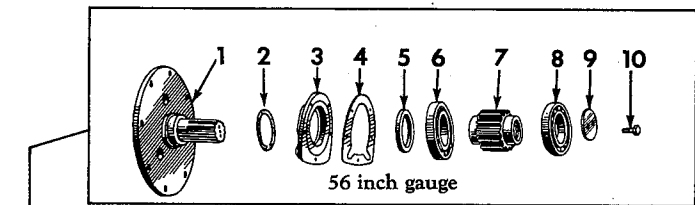


# MEMORANDUM

| REF. NO. | I. H. PART NUMBER | DESCRIPTION  |
|----------|-------------------|--|
| 1        | 277 342 R21       | TUBE w/BRACKET, RH sprocket drive carrier lower vent<br>1/4" jam NUT (2)     |
|          | 13 239 R1         | SCREW, 1/4 x 5/8" sq.-hd. machine (2)<br>1/4" internal-tooth lock WASHER (2) |
| 2        | 277 345 R2        | TUBE, sprocket drive carrier upper vent (2)                                  |
| 3        | 252 628 R1        | CONNECTOR, sprocket drive carrier vent tube union tee                        |
| 4        | 277 347 R2        | TUBE, transmission vent  |
| 5        | 277 341 R21       | TUBE w/BRACKET, LH sprocket drive carrier lower vent<br>1/4" jam NUT (2)     |
|          | 13 239 R1         | SCREW, 1/4 x 5/8" sq.-hd. machine (2)<br>1/4" internal-tooth lock WASHER (2) |
| 6        | 68 182 DM         | CONNECTOR, transmission vent tube union tee                                  |
| 7        | 277 346 R2        | TUBE, sprocket drive carrier center vent                                     |
|          | 38 026 DM         | CONNECTOR, RH and LH sprocket drive carrier vent lower tube (2)              |
|          | 39 584 D          | CONNECTOR, sprocket drive carrier upper vent tube (2)                        |
|          | 278 953 R91       | NUT, RH and LH sprocket drive carrier vent lower tube connector (2)          |
|          | 278 953 R91       | NUT, sprocket drive carrier upper vent tube connector (2)                    |
|          | 278 953 R91       | NUT, sprocket drive carrier vent tube union tee connector (3)                |
|          | 278 953 R91       | NUT, transmission vent tube union tee (2)                                    |

# FINAL DRIVE

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



IPB-10462 B



## FINAL DRIVE

| REF. NO.   | I.H. PART NUMBER | DESCRIPTION   |
|--|------------------|---|
| SPROCKET DRIVE, SHAFT, PINION AND SPROCKET AND TRACK FRAME PIVOT SHAFT - CONTINUED |                  |   |
| 1  | 52 346 DC        | SHAFT, sprocket drive pinion (56" gauge) (2)  |
| 2  | 49 801 D         | RING, track frame pivot shaft oil seal (2)  |
| 3  | 9 477 DA         | RETAINER, sprocket drive pinion inner bearing (56" gauge) (2)<br>1/2NF x 1-1/2" hex-hd. cap SCREW (10)<br>1/2" lock WASHER (10)   |
| 4  | 64 819 D         | GASKET, sprocket drive pinion inner bearing retainer (56" gauge) (2)  |
| 5  | 279 751 R92      | OIL SEAL, sprocket drive pinion (56" gauge) (2)   |
| 6  | ST 285           | BEARING, inner sprocket drive pinion (56" gauge) (2)  |
| 7  | 273 790 R1       | PINION, sprocket drive (12 T) (56" gauge) (2)   |
| 8  | ST 284           | BEARING, outer sprocket drive pinion (56" gauge) (2)  |
| 9  | 273 789 R1       | WASHER, sprocket drive pinion outer bearing retainer (56" gauge) (2)  |
| 10   | 28 230 D         | BOLT, sprocket drive pinion outer bearing retainer washer (56" gauge) (2)   |
| 11   | 307 651 R1       | INSERT, steering clutch support shaft (62" gauge) (2)   |
| 12   | 307 650 R11      | SHAFT w/INSERT, 307 651 R1 and PIN, 441 014 R1, sprocket drive support (62" gauge) (2)  |
| 13   | 64 803 D         | PIN, sprocket drive carrier dowel (74" and 62" gauge) (TD-150 501 to 3500) (4)  |
| 13   | 314 864 R1       | PIN, sprocket drive carrier dowel (74" and 62" gauge) (TD-150 3501 to 4000) (TD-151 4001 up) (2)  |
| 14   | 311 496 R41      | CARRIER ASSEMBLY, LH and RH sprocket drive (will work for 307 652 R1 and 307 653 R1) (62" gauge) (2)<br>(Composed of -<br>§ 1 CARRIER<br>1 GASKET 272 925 R1<br>1 PLUG 18 524 R1<br>2 PLUG 271 848 R1<br>1 "O" RING 252 482 R1<br>1/2 x 1-5/8" hex-hd. cap SCREW (4)<br>5/8 x 2-1/4" hex-hd cap SCREW (4)<br>1/2" external-tooth lock WASHER (4)<br>5/8 x 3-1/2" hex-hd cap SCREW (6) |
| 15   | 273 683 R1       | RETAINER, steering clutch support shaft bearing (74" gauge) (2)<br>1/2 x 2-1/4" hex-hd. cap SCREW (10)<br>1/2" lock WASHER (10)   |
| 16   | 64 817 DA        | GASKET, steering clutch support bearing retainer (74" and 62" gauge) (2)  |
| 17   | 310 517 R91      | OIL SEAL, steering clutch support shaft (74" and 62" gauge) (will work for 279 990 R91 and 310 531) (2)   |
| 18   | ST 599           | BEARING, steering clutch support shaft (74" and 62" gauge) (2)  |
| 19   | 273 688 R1       | LOCK, steering clutch support shaft bearing retaining nut (74" and 62" gauge) (2)   |
| 20   | 273 687 R1       | NUT, steering clutch support shaft bearing retaining (74" and 62" gauge) (4)  |
| 21   | 277 054 R91      | BEARING, inner sprocket drive pinion (74" and 62" gauge) (4)  |
| 22   | 307 617 R1       | PINION, sprocket drive (11 T) (62" gauge) (2)   |
| 22   | 277 053 R1       | PINION, sprocket drive (11 T) (74" gauge) (2)   |
| 23   | 273 607 R1       | INSERT, steering clutch support shaft (74" gauge) (2)   |
| 24   | 273 682 R11      | SHAFT w/INSERT, 273 607 R1 and PIN, 441 014 R1, sprocket drive support (74" gauge) (2)  |

## FINAL DRIVE

| REF. NO.   | I.H. PART NUMBER | DESCRIPTION   |
|--|------------------|---|
| SPROCKET DRIVE, SHAFT, PINION AND SPROCKET AND TRACK FRAME PIVOT SHAFT - CONTINUED |                  |   |
| 25   | 273 692 R71      | CARRIER ASSEMBLY, sprocket drive (74" gauge) (2)<br>(Composed of -<br>§ 1 CARRIER<br>2 GASKET 272 925 R1<br>2 PLUG 18 524 R1<br>3 PLUG 172 600<br>2 PLUG 271 848 R1<br>2 "O" RING 252 482 R1<br>1/2 x 1-1/2" hex-hd. cap SCREW (4)<br>5/8 x 1-1/2" hex-hd. cap SCREW (2)<br>5/8 x 1-3/4" hex-hd. cap SCREW (10)<br>1/2" external-tooth lock WASHER (4)<br>5/8" external-tooth lock WASHER (2) |
| 26   | 253 966 R51      | PLATE w/GASKET, 272 925 R1, "O" RING, 252 482 R1, PLUG, 271 848 R1 and PLUG, 18 524 R1, RH and LH sprocket drive carrier (56" gauge) (2)<br>1/2 x 1-1/4" hex-hd. cap SCREW (4)<br>5/8 x 1-1/4" hex-hd. cap SCREW (12)<br>1/2" lock WASHER (4)<br>5/8" lock WASHER (12)  |
| 27   | 318 799 R11      | SPACER, sprocket drive gear bearing (short) (will work for 49 864 DB) (2)   |
| 28   | 273 695 R91      | BEARING, sprocket drive gear inner (2)  |
| 29   | 278 576 R1       | GEAR, sprocket drive (56" gauge) (2)  |
| 29   | 278 578 R1       | GEAR, sprocket drive (74" and 62" gauge) (2)  |
| 30   | 278 575 R1       | CARRIER, sprocket drive gear (2)  |
| 31   | 279 680 R2       | SPACER, sprocket drive gear bearing (long) (2)  |
| 32   | 64 820 DA        | GASKET, sprocket drive gear cover (2)   |
| 33   | 64 801 D         | PIN, sprocket drive gear cover to main frame dowel (56" gauge) (4)  |
| 34   | 273 699 R5       | COVER, sprocket drive gear (2)<br>1/2" NUT (40)<br>1/2 x 1-1/2" hex-hd. cap SCREW (56" gauge) (40)<br>1/2 x 2" hex-hd. cap SCREW (62" and 74" gauge) (40)<br>1/2" lock WASHER (40)<br>1/2 x 2-1/4" hex-hd. cap SCREW (62" and 74" gauge) (28)   |
| 35   | 273 694 R1       | RING, sprocket drive pinion outer bearing cap packing (2)   |
| 36   | 273 693 R1       | CAP, sprocket drive pinion outer bearing (2)<br>1/2 x 1-1/2" hex-hd. cap SCREW (12)<br>1/2" lock WASHER (12)  |
| 37   | 53 444 DA        | DIAPHRAGM, sprocket drive oil seal (2)  |
| 38   | 53 455 D         | GUARD w/dirt DEFLECTOR, sprocket drive oil seal (2)<br>3/8 x 3/4" hex-hd. cap SCREW (12)<br>3/8" lock WASHER (12)   |
| 39   | 8 431 D          | PLATE, sprocket drive oil seal pressure (2)   |
| 40   | 53 440 D         | PACKING, sprocket drive oil seal (2)  |
| 41   | 53 439 D         | DEFLECTOR, sprocket drive oil seal dirt (2)   |
| 42   | 53 438 DB        | CARRIER, sprocket (2)   |
| 43   | 45 293 D         | NUT, sprocket carrier bolt (16)   |
| 44   | 49 879 DB        | BOLT, sprocket carrier (16)   |
| 45   | 41 608 D         | SPRING, sprocket drive oil seal pressure plate (8)  |

§ - Not Furnished Separately

## FINAL DRIVE

| REF. NO.   | I.H. PART NUMBER                     | DESCRIPTION   |
|--|--------------------------------------|---|
| SPROCKET DRIVE, SHAFT, PINION AND SPROCKET AND TRACK FRAME PIVOT SHAFT - CONTINUED |                                      |   |
| 46   | 275 684 R1                           | STIFFENER, sprocket drive oil seal guard (2)<br>3/8 x 1" hex-hd. cap SCREW (8)<br>3/8" lock WASHER (8)                          |
| 47   | 53 445 DA                            | RETAINER, sprocket drive oil seal diaphragm (2)<br>1/4 x 5/8" hex-hd. cap SCREW (20)<br>1/4" lock WASHER (20)                   |
| 49   | 52 419 D                             | PIN, sprocket drive oil seal pressure plate anchor (4)  |
| 50   | 64 802 D                             | PIN, sprocket drive gear cover to carrier dowel (74" and 62" gauge) (6)   |
| 50   | 46 337 D                             | PIN, sprocket drive gear cover to carrier plate dowel (56" gauge) (2)   |
| 51   | 273 698 R1                           | BOLT, drive gear sprocket dowel (20)  |
| 52   | 18 558 R1                            | NUT, sprocket drive gear dowel bolt (20)  |
| 53   | 8 435 DA                             | SPROCKET (27 T) (not "Cut-Away") (2)<br>(TD-150 501 to 3500)  |
| 53   | 316 598 R1                           | SPROCKET (27 T) (not "Cut-Away") (2)<br>(TD-150-3501 to 4000) (TD-151-4001 up)  |
| 54   | 49 882 D                             | LOCK, sprocket drive gear carrier nut (2)   |
| 55   | 53 613 DA                            | NUT, sprocket drive gear carrier (2)  |
| 56   | 264 266 R1                           | RING, sprocket drive gear outer bearing cage packing (outer) (2)  |
| 57   | 264 267 R1                           | SCREW, sprocket drive gear outer bearing retainer cap (16)<br>1/2" external-tooth lock WASHER (16)                              |
| 58   | 8 432 D                              | PLATE, track frame pivot oil seal pressure (2)  |
| 59   | 53 450 DA                            | DIAPHRAGM, track frame pivot oil seal (2)   |
| 60   | 53 451 D                             | RETAINER, track frame pivot oil seal diaphragm (2)<br>1/4 x 3/4" hex-hd. cap SCREW (16)<br>1/4" lock WASHER (16)                |
| 61   | 268 914 R2<br>266 168 R1<br>41 842 D | BRACKET, track frame pivot (2)<br>BOLT, track frame pivot bracket (10)<br>NUT, track frame pivot bracket bolt (10)              |
| 62   | 260 896 R4                           | SHAFT, track frame pivot (56" gauge)  |
| 62   | 260 897 R4                           | SHAFT, track frame pivot (74" gauge)  |
| 62   | 307 660 R1                           | SHAFT, track frame pivot (62" gauge)  |
| 63   | 261 291 R1                           | SHIM, track frame pivot bearing (heavy) (X)   |
| 63   | 261 292 R1                           | SHIM, track frame pivot bearing (light) (X)   |
| 64   | 320 545 R1<br>320 546 R1             | BEARING, track frame pivot (together with BOLT, 320 546 R1 will work for 260 895 R2) (2)<br>BOLT, track frame pivot bearing (4) |
| 65   | 49 802 D                             | GASKET, track frame pivot bracket cap (2)   |

## FINAL DRIVE

| REF. NO.   | I.H. PART NUMBER | DESCRIPTION   |
|--|------------------|---|
| SPROCKET DRIVE, SHAFT, PINION AND SPROCKET AND TRACK FRAME PIVOT SHAFT - CONTINUED   |                  |   |
| 66   | 6 984 DB         | CAP, track frame pivot bracket (2)<br>(TD-150 501 to 3119)  |
| 66   | 309 296 R1       | CAP, track frame pivot bracket (2) (TD-150-3120 to 4000) (TD-151-4001 up)<br>3/4 x 2" hex-hd. cap SCREW (8)<br>CORK, 11/16 x 7/8" long (8) (TD-150 501 to 3119)   |
| 67   | 138 322 H        | FITTING, track frame pivot lubrication (Alemite 1610 BL) (optional with 109 461) (2)  |
| 67   | 109 461          | FITTING, track frame pivot lubrication (Lincoln 5000) (optional with 138 322 H) (2)   |
| 68   | 52 357 DX        | SHIELD, sprocket (2) (TD-150 501 to 3119)   |
| 68   | 320 600 R91      | SHIELD, LH sprocket (TD-150-3120 to 4000 (*) (TD-151-4001 up)   |
| 68   | 320 601 R91      | SHIELD, RH sprocket (TD-150-3120 to 4000 (*) (TD-151-4001 up)<br>1/2" NUT (2)<br>1/2 x 1-1/2" hex-hd. cap SCREW (2)<br>3/4 x 3-1/4" hex-hd. cap SCREW (4)<br>9/16 x 1-1/4" hex-hd. cap SCREW (4)<br>1/2" lock WASHER (2)<br>9/16" lock WASHER (4) |
| 69   | 54 110 D         | PIN, track frame pivot oil seal pressure plate anchor (4)   |
| 70   | 53 456 D         | GUARD w/dirt DEFLECTORS, track frame pivot oil seal (2)<br>3/8NF x 3/4" hex-hd. cap SCREW (16)<br>3/8" lock WASHER (16)   |
| 71   | 41 619 D         | SPRING, track frame pivot oil seal pressure plate (8)   |
| 72   | 53 449 D         | PACKING, track frame pivot oil seal (2)   |
| 73   | 53 448 D         | DEFLECTOR, track frame pivot oil seal dirt (2)  |
| 74   | 279 682 R1       | RETAINER, sprocket drive gear outer bearing (2)   |
| 75   | 264 270 R1       | RING, sprocket drive gear outer bearing cage packing (inner) (2)  |
| 76   | ST 662           | BEARING, outer sprocket drive gear outer (together with 279 681 R2 will work for ST 624 and ST 624 A) (2)   |
| 77   | 279 681 R2       | CAGE, sprocket drive gear outer bearing (together with ST 624 A will work for 279 681 R1)(2)  |
| NOTE 1 - Factory Application - Order on Machine Order Form.  |                  |   |
| NOTE 3 - Field Application - Order through Regular Service Parts Channels.   |                  |   |
| (X) - As Required.   |                  |   |
| (*) - Together with four SCREW (3/4 x 3-1/4") four SCREW (9/16 x 1-1/4"), four WASHER (9/16" lock), two SCREW, (1/2 x 1-1/2") two WASHER (1/2" lock), two NUT (1/2") and track frame reworking diagram will work for 318 739 R91 (TD-150 series only). |                  |   |



## FINAL DRIVE

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

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

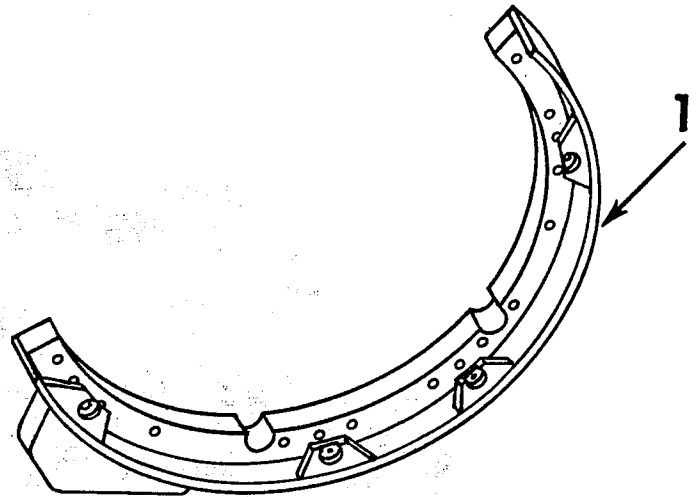
|             |           |  |
|-------------|-----------|--|
| 57 614 DA   |           | ATTACHMENT, cut-away sprocket (consists of two SPROCKET, 8 784 DC and two LOCKWIRE, 263 945 R1) (TD-150 501 to 3500) (See NOTE 3)                            |
| 314 973 R91 |           | ATTACHMENT, cut-away sprocket (consists of two SPROCKET, 316 599 R1 and two LOCKWIRE, 316 597 R1) (TD-150-3501 to 4000) (TD-151-4001 up) (See NOTES 1 and 3) |
| 272 925 R1  |           | GASKET, sprocket drive filler plug (4)   |
| 307 181 R91 |           | GEAR and CARRIER ASSEMBLY, sprocket drive (56" gauge) (2)<br>(Composed of -  |
|             | 10 BOLT   | 273 698 R1   |
|             | 1 CARRIER | 278 575 R1   |
|             | 1 GEAR    | 278 576 R1   |
|             | 10 NUT    | 18 558 R1)   |
| 307 182 R91 |           | GEAR and CARRIER ASSEMBLY, sprocket drive (74" and 62" gauge) (2)<br>(Composed of -  |
|             | 10 BOLT   | 273 698 R1   |
|             | 1 CARRIER | 278 575 R1   |
|             | 1 GEAR    | 278 578 R1   |
|             | 10 NUT    | 18 558 R1)   |
| 263 945 R1  |           | LOCKWIRE, track master link pin (2) (TD-150 501 to 3500)   |
| 316 597 R1  |           | LOCKWIRE, track master link pin (2) (TD-150-3501 to 4000) (TD-151-4001 up)   |
| 31 115 D    |           | NUT, sprocket drive carrier stud (74" and 62" gauge) (16)<br>1/2" lock WASHER (16)   |
| 252 482 R1  |           | "O" RING, sprocket drive carrier vent (4)  |
| 141 239     |           | PIN, sprocket drive gear bearing short spacer  |
| 441 014 R1  |           | PIN, steering clutch support shaft insert (74" and 62" gauge) (2)  |
| 172 600     |           | PLUG, sprocket drive carrier expansion (6)   |
| 18 524 R1   |           | PLUG, sprocket drive filler (4)  |
| 271 848 R1  |           | PLUG, sprocket drive filler (4)  |
| 8 784 DC    |           | SPROCKET, cut-away (27 T) (2) (TD-150 501 to 3500)   |
| 316 599 R1  |           | SPROCKET, cut-away (27 T) (2) (TD-150-3501 to 4000) (TD-151-4001 up)   |
|             |           | WIRE, locking (16 ga.) (.0625) x 8" long (sprocket drive pinion outer bearing retainer washer bolt) (56" gauge) (order 278 027 R1) (2)                       |
| 278 027 R1  |           | WIRE, locking bulk (16 ga.) (customer must specify length required) (X)  |

NOTE 1 - Factory Application - Order on machine order form.  
NOTE 3 - Field Application - Order through regular service parts channels.  
(X) As Required



## FINAL DRIVE

### SPROCKET DRIVE HOUSING SHIELD



IP A-1086 C

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

⊗ KEY TO UNITS

|     |             |  |
|-----|-------------|--|
| A - | 320 616 R91 | ATTACHMENT, sprocket drive housing shield (62" and 74" gauge) (See NOTE 3) |
| B - | 271 120 R91 | ATTACHMENT, sprocket drive housing shield (56" gauge) (See NOTE 3)         |

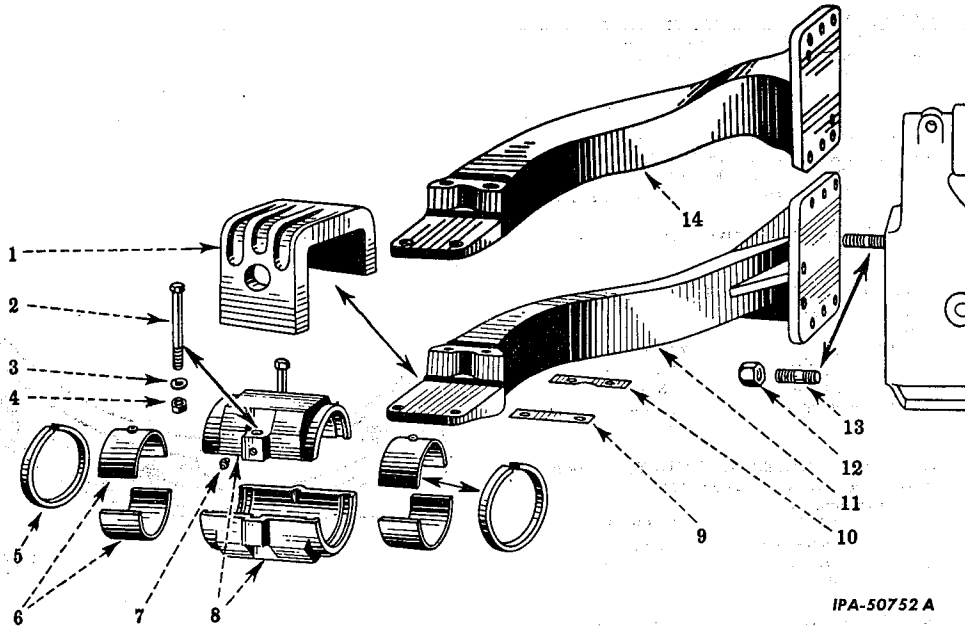
⊗ - Letters of these units correspond with those shown following the description of the parts in the list below and identifies the unit for which the part is used. Items without letters after the description indicates the part is used for all units.

|   |             |  |
|---|-------------|--|
| 1 | 320 606 R11 | SHIELD, LH sprocket drive housing (together w/four SCREW (1/2 x 5-1/4"), four WASHER (1/2"), and four NUT (1/2") (will work for 264 845 R1) (Unit A)<br>1/2 x 5-1/4" hex-hd. cap SCREW (4)<br>1/2 x 2-3/4" hex-hd cap SCREW (11)<br>1/2" NUT (11)<br>1/2" lock WASHER (11) |
| 1 | 271 121 R11 | SHIELD, LH sprocket drive housing (Unit B)<br>1/2 x 2-1/2" hex-hd. cap SCREW (10)<br>1/2" NUT (10)<br>1/2" lock WASHER (10)  |
| 1 | 320 607 R11 | SHIELD, RH sprocket drive housing (together w/four SCREW (1/2 x 5-1/4"), four WASHER (1/2"), and four NUT (1/2") (will work for 264 846 R1) (Unit A)<br>1/2 x 5-1/4" hex-hd. cap SCREW (4)<br>1/2 x 2-3/4" hex-hd cap SCREW (11)<br>1/2" NUT (11)<br>1/2" lock WASHER (11) |
| 1 | 271 122 R11 | SHIELD, RH sprocket drive housing (Unit B)<br>1/2 x 2-1/2" hex-hd. cap SCREW (10)<br>1/2" NUT (10)<br>1/2" lock WASHER (10)  |
|   | 265 890 R1  | SHIM, sprocket drive housing shield (Unit A) (18)  |

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

TRACK DRIVE

TRACK FRAME DIAGONAL BRACE  
(Not Rigid Track Frame)



IPA-50752 A

| REF. NO. | I. H. PART NUMBER | DESCRIPTION   |
|----------|-------------------|---|
| 1        | 6 894 DB          | CLAMP, track frame diagonal brace (2)<br>3/4 x 2" hex-hd. cap SCREW (4)<br>3/4 x 4-1/2" hex-hd. cap SCREW (4)             |
| 2        |                   | SCREW, 1/2NF x 3-1/2" hex-hd. cap<br>(track frame diagonal brace bearing) (4)   |
| 3        |                   | WASHER, 1/2" external-tooth lock (track<br>frame diagonal brace bearing) (Shakeproof<br>1124) (4)                         |
| 4        |                   | NUT, 1/2"NF hex (track frame diagonal brace<br>bearing) (4)   |
| 5        | 49 835 D          | FELT, track frame diagonal brace bearing<br>(4)   |
| 6        | 57 240 D          | BUSHINGS, track frame diagonal brace<br>bearing (set of 4) (2)  |
| 7        | 109 461           | FITTING, track frame diagonal brace bearing<br>lubrication (Lincoln 5000) (optional with<br>138 322 H) (2)                |
| 7        | 138 322 H         | FITTING, track frame diagonal brace<br>bearing lubrication (Alemite 1610 BL)<br>(optional with 109 461) (2)               |
| 8        | 57 236 DA         | BEARING SET, track frame diagonal brace<br>(Consists of two BEARING, one BUSHING,<br>57 240 D and two FELT, 49 835 D) (2) |
| 9        | 49 839 D          | SHIM, outer track frame diagonal brace<br>clamp (heavy) (2)   |
| 9        | 49 840 D          | SHIM, outer track frame diagonal brace<br>clamp (medium) (2)  |
| 9        | 49 841 D          | SHIM, outer track frame diagonal brace<br>clamp (light) (4)   |

TRACK DRIVE

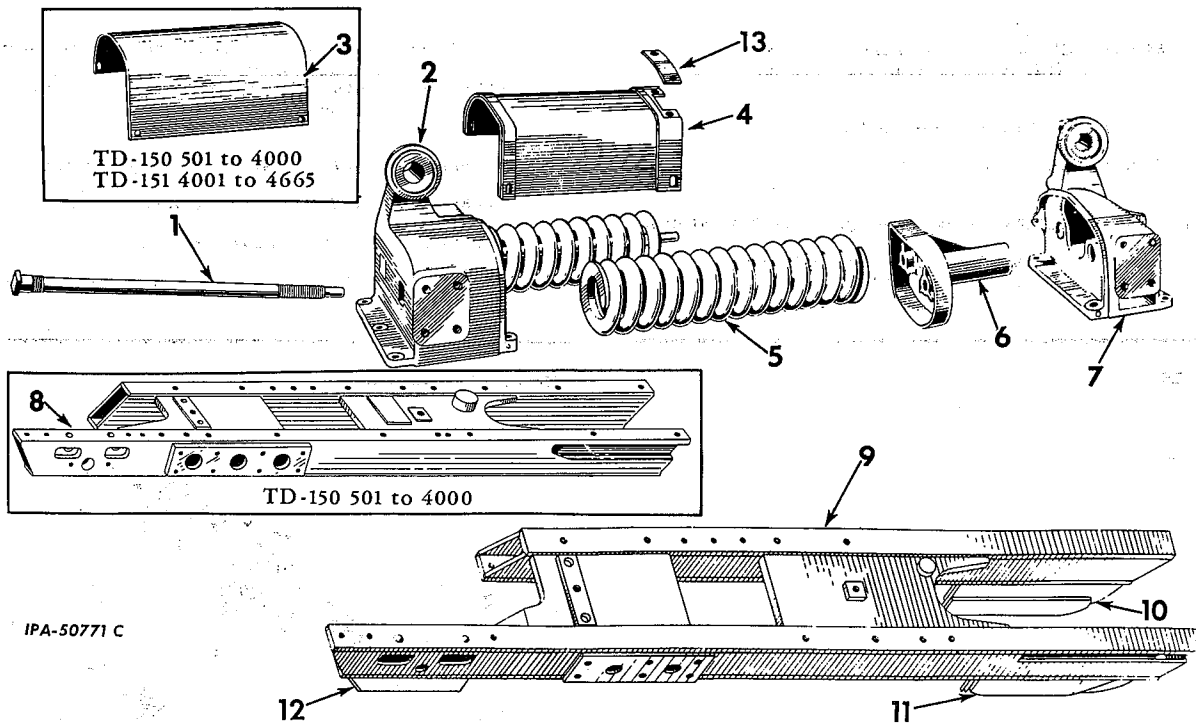
TRACK FRAME DIAGONAL BRACE - CONTINUED  
(Not Rigid Track Frame)

| REF. NO. | I. H. PART NUMBER | DESCRIPTION  |
|----------|-------------------|--|
| 10       | 49 836 D          | SHIM, inner track frame diagonal brace<br>clamp (heavy) (2)  |
| 10       | 49 837 D          | SHIM, inner track frame diagonal brace<br>clamp (medium) (2) |
| 10       | 49 838 D          | SHIM, inner track frame diagonal brace<br>clamp (light) (4)  |
| 11       | 52 334 DB         | BRACE, LH track frame diagonal (56" gauge)                   |
| 11       | 52 335 DB         | BRACE, RH track frame diagonal (56" gauge)                   |
| 11       | 307 654 R11       | BRACE, LH track frame diagonal (62" gauge)                   |
| 11       | 307 655 R11       | BRACE, RH track frame diagonal (62" gauge)                   |
| 12       | 41 842 D          | NUT, track frame diagonal brace stud (12)                    |
| 13       | 63 266 D          | STUD, track frame diagonal brace (12)                        |
| 14       | 52 336 DB         | BRACE, LH track frame diagonal (74" gauge)                   |
| 14       | 52 337 DB         | BRACE, RH track frame diagonal (74" gauge)                   |
|          | 266 174 R1        | DOWEL, track frame diagonal brace (4)                        |
|          | 266 175 R1        | RETAINER, track frame diagonal brace<br>dowel (4)            |

TRACK DRIVE



TRACK FRAME AND SPRING



TRACK DRIVE



TRACK FRAME AND SPRING - CONTINUED

| REF. NO. | I. H. PART NUMBER         | DESCRIPTION   |
|----------|---------------------------|---|
| 1        | 272 867 R1                | ROD, track spring adjusting (4)<br>1-1/2NF NUT (4)<br>3/16 x 2-1/4" cotter PIN (4)  |
| 2        | 268 915 R2<br>106 623     | RETAINER, LH track spring rear<br>CORK, 7/8 x 1-1/16" long (4)<br>5/8NF NUT<br>5/8NF x 3-5/8" hex-hd cap SCREW  |
| 2        | 268 916 R2<br>106 623     | RETAINER, RH track spring rear<br>CORK, 7/8 x 1-1/16" long (4)<br>5/8NF NUT<br>5/8NF x 3-5/8" hex-hd cap SCREW  |
| 3        | 49 733 DAX<br><br>Q 1 520 | GUARD, track spring (not rigid track frame)<br>(2) (TD-150 501 to 4000, TD-151 4001 to 4665)<br>1/2 x 7/8" hex-hd cap SCREW (8)<br>1/2" lock WASHER (8)<br>WASHER, 17/32 x 1" x 14 ga steel (8) |
| 4        | 311 355 R11               | GUARD, LH track spring (TD-151 4666 up)   |
| 4        | 311 356 R11               | GUARD, RH track spring (TD-151 4666 up)<br>1/2 x 7/8" hex-hd cap SCREW (8)<br>1/2" lock WASHER (8)<br>17/32 x 1-1/16 x 13 ga flat WASHER (8)  |
| 5        | 272 866 R1                | SPRING, track (4)   |
| 6        | 266 178 R1                | RETAINER, track spring front (2) TD-150 501 to 4000) (TD-151 4001 to 4665)  |
| 7        | 274 382 R21<br>106 623    | GUIDE, RH track frame equalizer spring<br>CORK, 7/8 x 1-1/16" long (7)<br>5/8NF NUT<br>5/8NF x 3-5/8" hex-hd cap SCREW  |

| REF. NO. | I. H. PART NUMBER      | DESCRIPTION   |
|----------|------------------------|---|
| 7        | 274 381 R21<br>106 623 | GUIDE, LH track frame equalizer spring<br>(not rigid track frame)<br>CORK, 7/8" x 1-1/16" long (7)<br>5/8NF NUT<br>5/8NF x 3-5/8" hex-hd cap SCREW  |
| 8        | 268 197 R98            | FRAME w/PAD, 304 291 R1, LH track<br>(standard) (not large dia front idler or<br>extended track frame) (TD-150-501 to 4000)   |
| 8        | 268 198 R98            | FRAME w/PAD, 304 291 R1, RH track<br>(standard) (not large dia front idler or<br>extended track frame) (TD-150-501 to 4000)   |
| 9        | 318 740 R92            | FRAME ASSEMBLY, LH track (not large dia<br>front idler or extended track frame) (TD-151<br>4001 up)<br>(Composed of -<br>§ 1 FRAME<br>1 GUIDE 322 063 R91<br>1 GUIDE 322 064 R91<br>1 GUIDE 322 070 R91<br>1 PAD 304 291 R1 ) |
| 9        | 318 741 R92            | FRAME ASSEMBLY, RH track (not large<br>dia front idler or extended track frame)<br>(TD-151 4001 up)<br>(Composed of -<br>§ 1 FRAME<br>1 GUIDE 322 063 R91<br>1 GUIDE 322 064 R91<br>1 GUIDE 322 071 R91<br>1 PAD 304 291 R1 ) |
| 10       | 322 063 R91            | GUIDE, front member track chain (LH outer)<br>(RH inner) (2) (TD-151-4001 up)   |

§ - Not Furnished Separately.



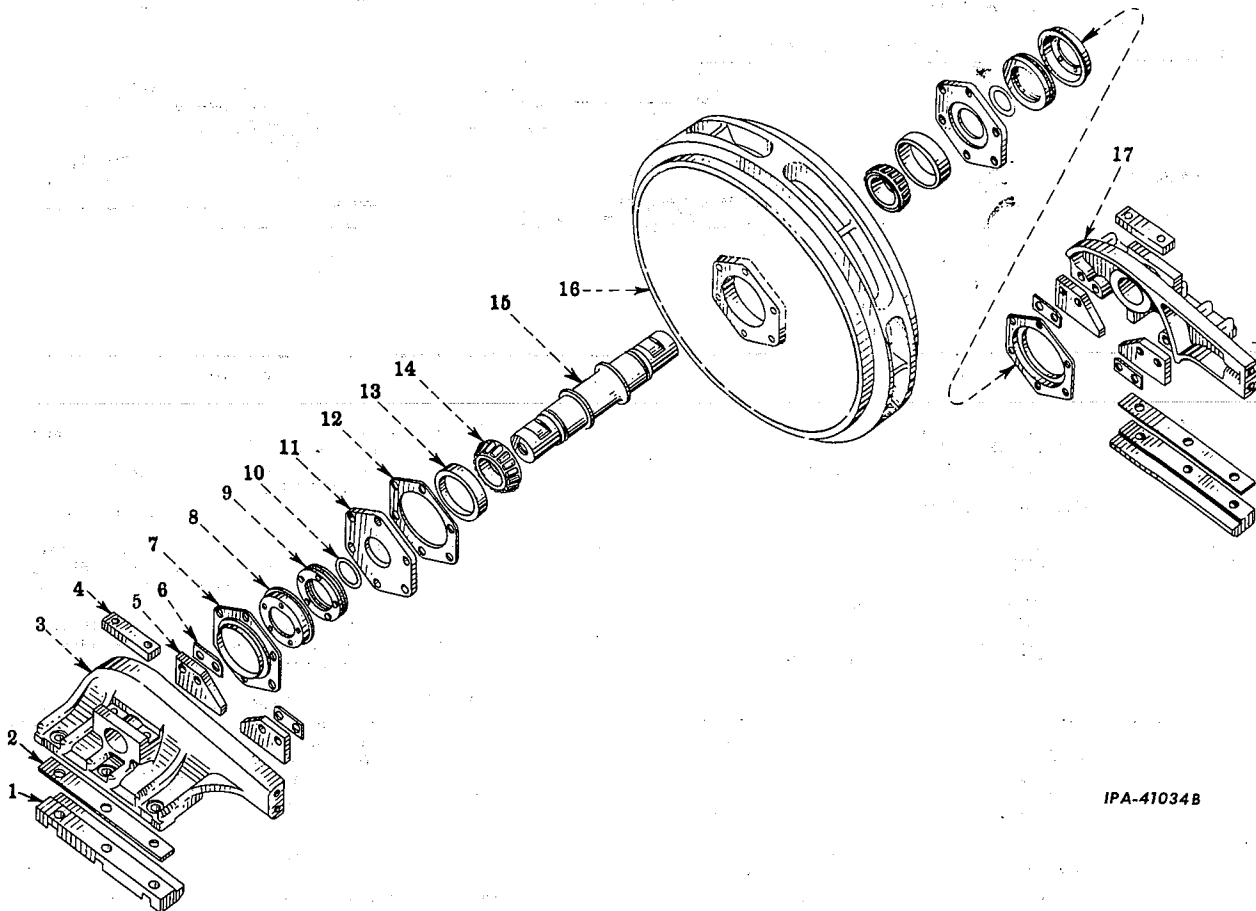
## TRACK DRIVE

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

### TRACK FRAME AND SPRING - CONTINUED

|    |             |   |
|----|-------------|---|
| 11 | 322 064 R91 | GUIDE, front member track chain (LH inner) (RH outer) (2) (TD-151-4001 up)                                |
| 12 | 322 070 R91 | GUIDE, rear LH track chain  |
| 12 | 322 071 R91 | GUIDE, rear RH track chain  |
| 13 | 311 365 R1  | COVER, track spring guard (2) (TD-151 4666 up)<br>3/8 x 3/4" hex-hd cap SCREW (4)<br>3/8" lock WASHER (4) |

### FRONT IDLER



IPA-41034B

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

|   |            |   |
|---|------------|---|
| 1 | 273 746 R1 | JAW, front idler guide (not used on tractors equipped with IH blade equipment using rub shoes)(4)<br>3/4"NF NUT (4)<br>3/4NF x 3" hex-hd. cap SCREW (4) |
|---|------------|---|



## TRACK DRIVE

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

### TRACK FRAME AND SPRING - CONTINUED

|            |  |
|------------|--|
| 272 526 R1 | BOLT, track frame and equalizer spring guide (short) (6) |
| 272 527 R1 | BOLT, track frame and equalizer spring guide (long) (4)  |
| 272 527 R1 | BOLT, rear track spring retainer long (5)                |
| 46 887 D   | NUT, track spring adjusting rod lock (4)                 |
| 304 291 R1 | PAD, equalizer spring (2)                                |
| 271 305 R2 | PIN, rear track spring retainer dowel (4)                |

### FRONT IDLER - CONTINUED

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

|   |            |  |
|---|------------|--|
| 2 | 273 747 R1 | SHIM, front idler guide jaw (heavy) (X)  |
| 2 | 273 748 R1 | SHIM, front idler guide jaw (medium) (X) |
| 2 | 273 749 R1 | SHIM, front idler guide jaw (light) (X)  |
| 3 | 268 090 R2 | GUIDE, LH front idler (2)                |



# TRACK DRIVE

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

FRONT IDLER - CONTINUED

|    |                           |   |
|----|---------------------------|---|
| 4  | 265 231 R1                | LOCK, front idler shaft (4)<br>5/8 x 1-3/4" hex-hd. cap SCREW (8)   |
| 5  | 265 234 R1                | RETAINER, front idler guide (six used on tractors equipped with IH blade equipment using rub shoes) (8)<br>3/4 x 1-7/8" hex-hd. cap SCREW (16)  |
| 6  | 265 235 R1                | LOCK, front idler guide retainer cap screw (8)  |
| 7  | 251 957 R1                | SHIELD, front idler oil seal dust (4)<br>1/2 x 1-1/2" hex-hd. cap SCREW (24)<br>1/2" lock WASHER (24)   |
| 8  | 265 230 R2                | SUPPORT, front idler oil seal (4)   |
| 9  | 257 329 R94               | OIL SEAL w/"O" RING, 251 959 R1, front idler (4)  |
| 10 | 251 959 R1                | "O" RING, front idler oil seal (2-1/2 x 2-29/32 x 13/64" thick) (4)   |
| 11 | 265 229 R1                | RETAINER, front idler bearing (4)   |
| 12 | 251 962 R1                | SHIM, front idler bearing retainer steel (.0149") (X)   |
| 12 | 251 963 R1                | SHIM, front idler bearing retainer steel (.007 - .0086") (X)  |
| 12 | 251 964 R1                | SHIM, front idler bearing retainer steel (.004") (X)  |
| 12 | 251 965 R1                | SHIM, front idler bearing retainer steel (.002") (X)  |
| 13 | ST 972                    | CUP, front idler bearing (4)  |
| 14 | ST 2 045                  | CONE, front idler bearing (4)   |
| 15 | 307 466 R1                | SHAFT, front idler (together with 304 908 R1 will work for 265 225 R1)(2)   |
| 16 | 314 555 R1                | IDLER, front (not large dia. idler) (2)<br>(TD-150-3501 to 4000) (TD-151-4001 up)   |
| 16 | 265 224 R1                | IDLER, front (not large dia. idler) (2)<br>(TD-150 501 to 3500)   |
| 16 | 272 137 R2                | IDLER, large dia. front (special) (2)   |
| 17 | 268 091 R2<br>272 145 R91 | GUIDE, RH front idler (2)<br>ATTACHMENT, large dia front idler (TD-150 501 to 4000; TD-151 4001 to 4665) (Consists of - IDLER, 272 137 R1, and SPACER, 273 478 R1) (used with front idler guide cross plate) (See NOTE 3) |
|    | 266 245 R2                | BOLT, front idler guide jaw (8)   |
|    | 41 442 DA                 | NUT, front idler guide jaw bolt (8)   |
|    | 267 195 R91               | PACKAGE, front idler seal leather washer field service (Consists of two leather washer) (X)   |
|    | 305 540 R1                | PLUG, front idler shaft lubricating TD-150-501 to 1721 (2)  |
|    | 268 996 R1                | PLUG, front idler shaft lubricating (2)<br>(TD-150-1722 to 4000) (TD-151-4001 up)   |
|    | 273 478 R1                | SPACER, front idler guide (used with ATTACHMENT, 272 145 R91 only) (TD-150-501 to 4000; TD-151 4001 to 4665) (4)  |

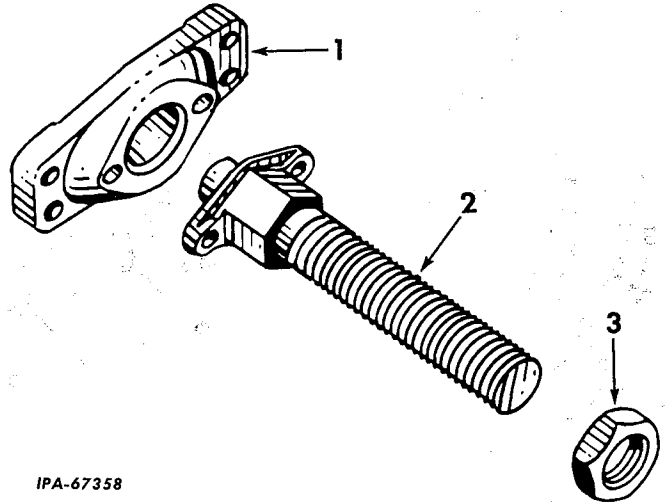
NOTE 3 - Field Application - Order through Regular Service Parts Channels.

X - As Required



# TRACK DRIVE

FRONT IDLER ADJUSTER  
(TD-150- 501 to 4000) (TD-151 - 4001 to 4665)

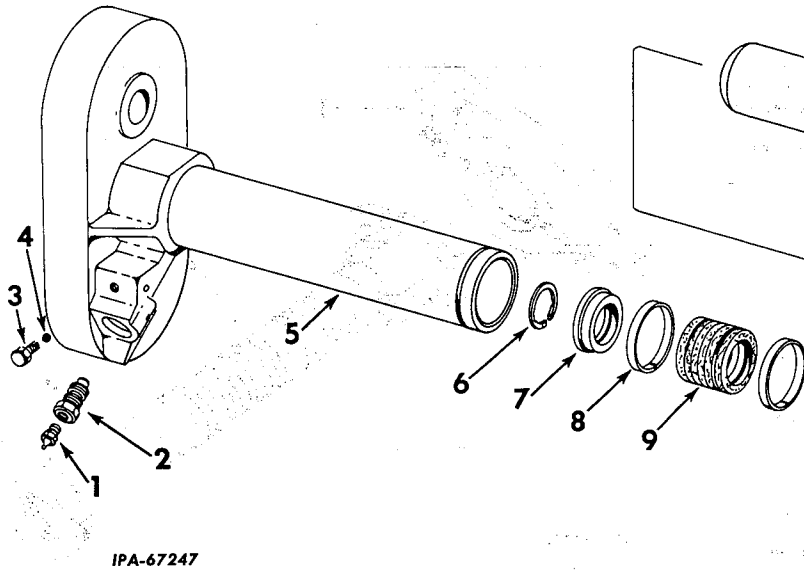


| REF. NO. | I.H. PART NUMBER | DESCRIPTION |
|----------|------------------|-------------|
|----------|------------------|-------------|

|   |            |  |
|---|------------|--|
| 1 | 6 878 DA   | PLATE, front idler guide cross (2)<br>3/4 x 2" hex-hd cap SCREW (8)<br>3/4 x 2-3/4" hex-hd cap SCREW<br>(used with ATTACHMENT, 272 145 R91)<br>(8) |
| 2 | 273 529 R1 | ADJUSTER, front idler (not used with extended track frame) (2)<br>5/8 x 1-1/2" hex-hd cap SCREW (4)  |
| 3 | 266 179 R1 | NUT, front idler adjuster lock (2)   |

# TRACK DRIVE

HYDRAULIC FRONT IDLER ADJUSTER  
(TD-151-4666 Up)

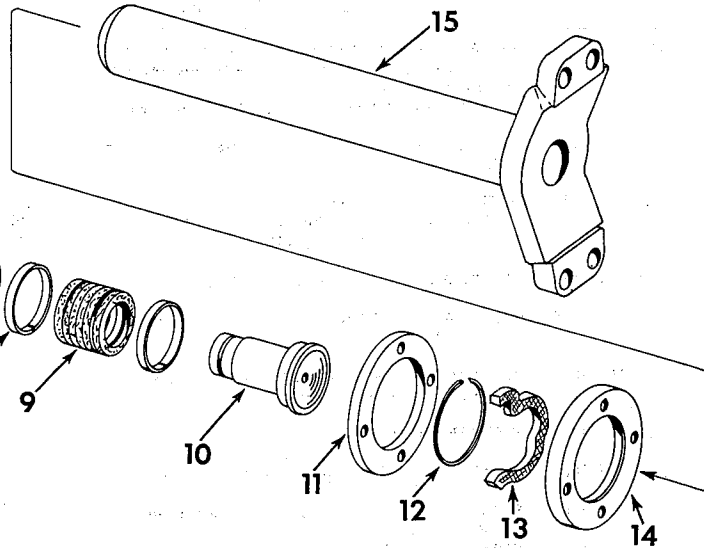


IPA-67247

| REF. NO. | I. H. PART NUMBER | DESCRIPTION  |
|----------|-------------------|--|
| 1        | 138 322 H         | FITTING, front retainer lubrication (Alemite 1610 B) (optional with 271 409) (2)   |
| 1        | 271 409           | FITTING, front retainer lubrication (Lincoln 105000) (optional with 138 322 H) (2) |
| 2        | 319 628 R91       | BALL CHECK, front retainer lubrication inlet (2)                                   |
| 3        | 311 070 R1        | BOLT, front retainer vent (2)  |
| 4        | 16 012 R1         | BALL, front retainer vent (3/8" dia steel) (2)                                     |
| 5        | 311 359 R92       | CYLINDER, hydraulic track adjuster, LH   |
| 5        | 311 360 R92       | CYLINDER, hydraulic track adjuster, RH   |
| 6        | 233 046 R1        | RING, piston end snap (2)  |
| 7        | 322 643 R1        | PISTON, hydraulic track adjuster end (2)   |

# TRACK DRIVE

HYDRAULIC FRONT IDLER ADJUSTER - CONTINUED  
(TD-151 - 4666 up)

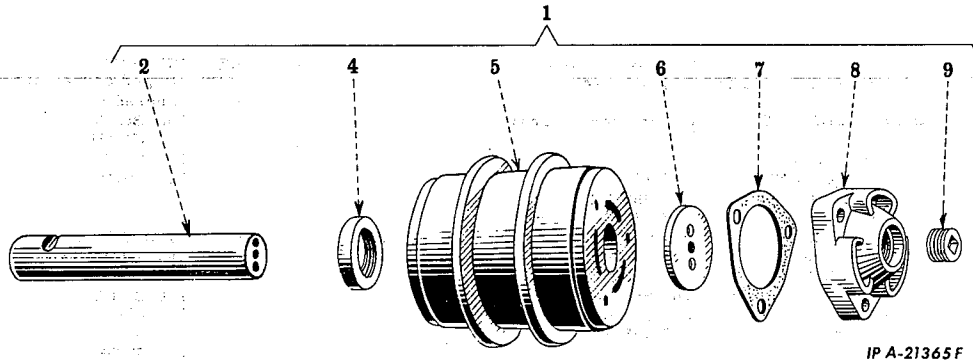


| REF. NO. | I. H. PART NUMBER | DESCRIPTION  |
|----------|-------------------|--|
| 8        | 322 639 R1        | RING, piston wear (4)  |
| 9        | 322 636 R1        | PACKING, hydraulic track adjuster pyramid (2)  |
| 10       | 322 642 R1        | BODY, hydraulic track adjuster piston (2)  |
| 11       | 322 640 R1        | GLAND, hydraulic track adjuster packing (2)  |
| 12       | 322 638 R1        | RING, packing gland snap (2)   |
| 13       | 322 637 R1        | PACKING, hydraulic track adjuster (2)  |
| 14       | 322 641 R1        | STUFFING, hydraulic track adjuster box (2)<br>1/2" hex. NUT (8)<br>1/2 x 2-1/2" hex-hd cap SCREW (8)<br>1/2" lock WASHER (8) |
| 15       | 322 800 R11       | ADJUSTER, hydraulic front idler (2)<br>3/4 x 2" hex-hd cap SCREW (8)   |



TRACK DRIVE

TRACK IDLER



| REF. NO. | I. H. PART NUMBER | DESCRIPTION  |
|----------|-------------------|--|
| 1        | 322 780 R11       | IDLER ASSEMBLY, track (will work for 266 090 R91 and 307 463 R91) (4)<br>(Composed of -<br>1 CAP 266 088 R2<br>1 GASKET 23 261 D<br>1 IDLER 322 780 R1<br>1 OIL SEAL 324 192 R91<br>1 PLUG 271 647 R1<br>1 SHAFT 307 464 R1<br>1 WASHER 307 465 R2 ) |
| 2        | 307 464 R1        | SHAFT, track idler (together with 307 465 R2 will work for 266 087 R1) (4)   |
| 4        | 18 100 D          | OIL SEAL, track idler (4) (TD-150 501 to 4000, TD-151 4001 to 4990)  |
| 4        | 324 192 R91       | OIL SEAL, track idler (4) (TD-151 4991 up)   |
| 5        | 6 873 DA          | IDLER, track (order PACKAGE, 322 782 R91) (TD-150 501 to 4000, TD-151 4001 to 4990)  |
| 5        | 322 780 R1        | IDLER, track (4) (TD-151 4991 up)  |

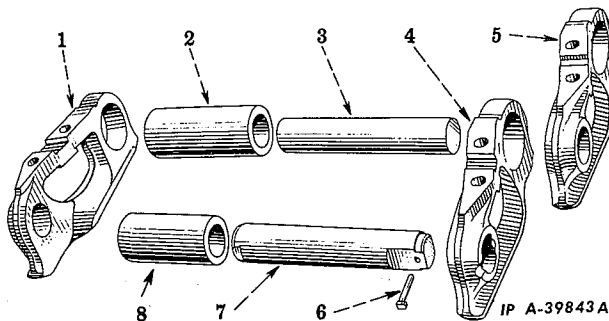
TRACK DRIVE

TRACK IDLER - CONTINUED

| REF. NO. | I. H. PART NUMBER | DESCRIPTION   |
|----------|-------------------|---|
| 6        | 266 089 R1        | WASHER, track idler thrust (4) (TD-150 501 to 1777)   |
| 6        | 307 465 R2        | WASHER, track idler thrust (4) (TD-150 1778 to 4000) (TD-151 4001 up)<br>7/16NF x 1-1/4" hex-hd cap SCREW (8)<br>7/16" external-tooth lock WASHER (8) |
| 7        | 23 261 D          | GASKET, track idler cap (4)   |
| 8        | 266 088 R2        | CAP, track idler (4)<br>1/2 x 1-1/2" hex-hd cap SCREW (12)<br>1/2" lock WASHER (12)   |
| 9        | 271 647 R1        | PLUG, track idler cap pipe (4)  |
|          | 322 782 R91       | PACKAGE, track idler field service (consists of IDLER, 322 780 R1 and OIL SEAL, 324 192 R91) (X) (TD-150 501 to 4000, TD-151 4001 to 4990)            |
|          | 49 734 D          | WASHER, track idler felt (4) (TD-150 501 to 4000, TD-151 4001 to 4990)  |
|          |                   | (X) - As Required.  |

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

TRACK CHAIN (6 ROLLER) (TD-150 501 TO 3500) (NOT EXTENDED TRACK FRAME)



TRACK CHAIN (6 ROLLER) (TD-150 501 TO 3500) (NOT EXTENDED TRACK FRAME) - CONTINUED

|   |             |  |
|---|-------------|--|
| 1 | 263 955 R1  | LINK, LH track (76)  |
| 2 | 263 959 R2  | BUSHING, track link (76)   |
| 3 | 263 960 R1  | PIN, track link (76)   |
| 4 | 263 957 R1  | LINK, LH track master (2)  |
| 4 | 263 958 R1  | LINK, RH track master (2)  |
| 5 | 263 956 R1  | LINK, RH track (76)  |
| 6 | 263 945 R1  | WIRE, track master link pin lock (2)   |
| 7 | 263 961 R1  | PIN, track master link (2)   |
| 8 | 49 759 DA   | BUSHING, track master link (2)   |
|   | 272 859 R91 | PACKAGE, track link bushing field service (Consists of two SPACER, 272 854 R1, BUSHING, 49 759 DA and PIN, 263 960 R1) (2) |

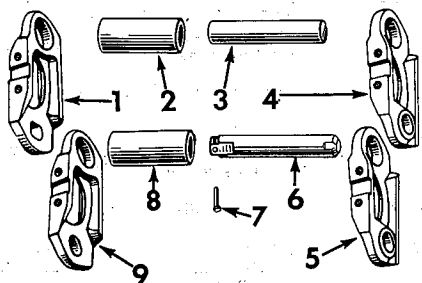
## TRACK DRIVE

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

TRACK CHAIN (6 ROLLER) (TD-150 501 TO 3500) (NOT EXTENDED TRACK FRAME) - CONTINUED

|             |   |              |
|-------------|---|--------------|
| 272 854 R1  | SPACER, track master link bushing (used with PACKAGE, 272 859 R91 only) (4) |              |
| 263 966 R91 | TRACK ASSEMBLY (one section) (less shoes) (2)                               |              |
|             | (Composed of -  |              |
| 1           | BUSHING   | 49 759 DA    |
| 38          | BUSHING   | 263 959 R2   |
| 38          | LINK  | 263 955 R1   |
| 38          | LINK  | 263 956 R1   |
| 1           | LINK  | 263 957 R1   |
| 1           | LINK  | 263 958 R1   |
| 38          | PIN   | 263 960 R1   |
| 1           | PIN   | 263 961 R1   |
| 1           | WIRE  | 263 945 R1 ) |

TRACK CHAIN (6 ROLLER) (TD-150-3501 TO 4000) (TD-151-4001 UP) (NOT EXTENDED TRACK FRAME)



IPA-56272 A

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

|   |            |                                      |
|---|------------|--------------------------------------|
| 1 | 316 592 R1 | LINK, RH master track (2)            |
| 2 | 316 593 R1 | BUSHING, track link (76)             |
| 3 | 316 595 R1 | PIN, track link (76)                 |
| 4 | 316 591 R1 | LINK, LH master track (2)            |
| 5 | 316 589 R1 | LINK, LH track (76)                  |
| 6 | 316 596 R1 | PIN, track master link (2)           |
| 7 | 316 597 R1 | WIRE, track master link pin lock (2) |
| 8 | 316 594 R1 | BUSHING, track master link (2)       |
| 9 | 316 590 R1 | LINK, RH track (76)                  |

|             |  |             |
|-------------|--|-------------|
| 318 841 R91 | ATTACHMENT, track chain (with shoes) (16" clipped corner shoes) (*) (See NOTE 2) |             |
|             | (Composed of -   |             |
| 156         | BOLT   | 311 346 R1  |
| 1           | CHAIN  | 316 587 R91 |
| 156         | NUT  | 273 872 R1  |
| 39          | SHOE   | 51 080 DD ) |

(\*) - Above attachments service one side of tractors. Order two of any above attachments to service both sides of tractor.

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

## TRACK DRIVE

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

TRACK CHAIN (6 ROLLER) (TD-150-3501 TO 4000) (TD-151-4001 UP) (NOT EXTENDED TRACK FRAME) - CONTINUED

|             |  |             |
|-------------|--|-------------|
| 318 842 R91 | ATTACHMENT, track chain (with shoes) (18" clipped corner shoes) (*) (See NOTE 2) |             |
|             | (Composed of -   |             |
| 156         | BOLT   | 311 346 R1  |
| 1           | CHAIN  | 316 587 R91 |
| 156         | NUT  | 273 872 R1  |
| 39          | SHOE   | 51 081 DD ) |

|             |  |             |
|-------------|--|-------------|
| 318 843 R91 | ATTACHMENT, track chain (with shoes) (20" clipped corner shoes) (*) (See NOTE 2) |             |
|             | (Composed of -   |             |
| 156         | BOLT   | 311 346 R1  |
| 1           | CHAIN  | 316 587 R91 |
| 156         | NUT  | 273 872 R1  |
| 39          | SHOE   | 51 083 DD ) |

|             |   |  |
|-------------|---|--|
| 314 974 R91 | PACKAGE, track link bushing field service (consists of two SPACER, 316 600 R1, BUSHING, 316 594 R1 and PIN, 316 595 R1) |  |
|-------------|---|--|

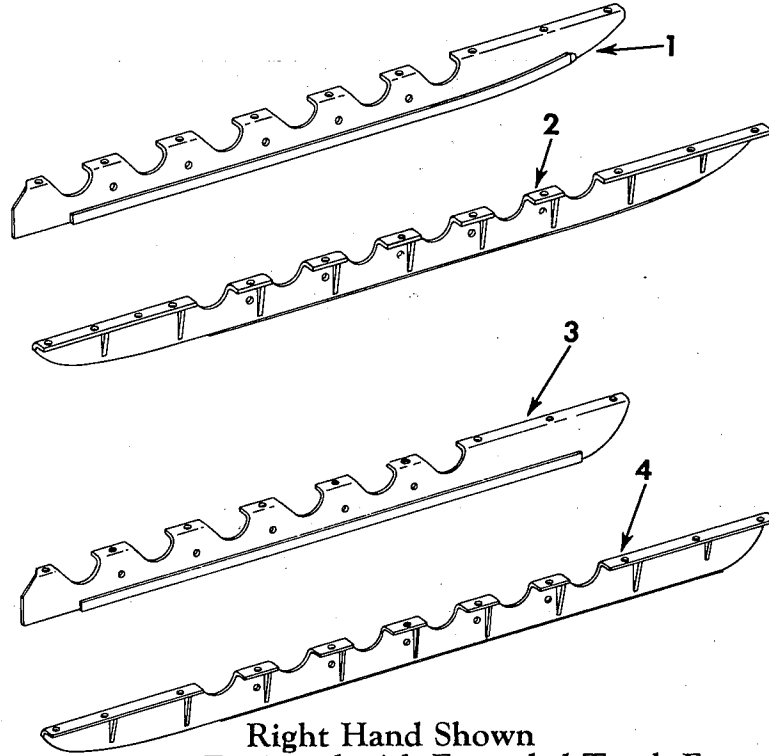
|            |   |  |
|------------|---|--|
| 316 600 R1 | SPACER, track master link bushing (used with PACKAGE, 314 974 R91 only) (2) |  |
|------------|---|--|

|             |  |              |
|-------------|--|--------------|
| 316 587 R91 | TRACK, assembly (one section) (less shoes) (2) |              |
|             | (Composed of -                                 |              |
| 38          | BUSHING  | 316 593 R1   |
| 1           | BUSHING  | 316 594 R1   |
| 38          | LINK   | 316 589 R1   |
| 38          | LINK   | 316 590 R1   |
| 1           | LINK   | 316 591 R1   |
| 1           | LINK   | 316 592 R1   |
| 38          | PIN  | 316 595 R1   |
| 1           | PIN  | 316 596 R1   |
| 1           | WIRE   | 316 597 R1 ) |



**TRACK DRIVE**

**TRACK ROLLER SHIELD**  
(Heavy Duty) (TD-15-150 Series)



**Right Hand Shown**  
**For Tractors Equipped with Extended Track Frame**  
**IPA-50811**



**TRACK DRIVE**

**TRACK ROLLER SHIELD - CONTINUED**  
(Heavy Duty) (TD-15 - 150 Series)

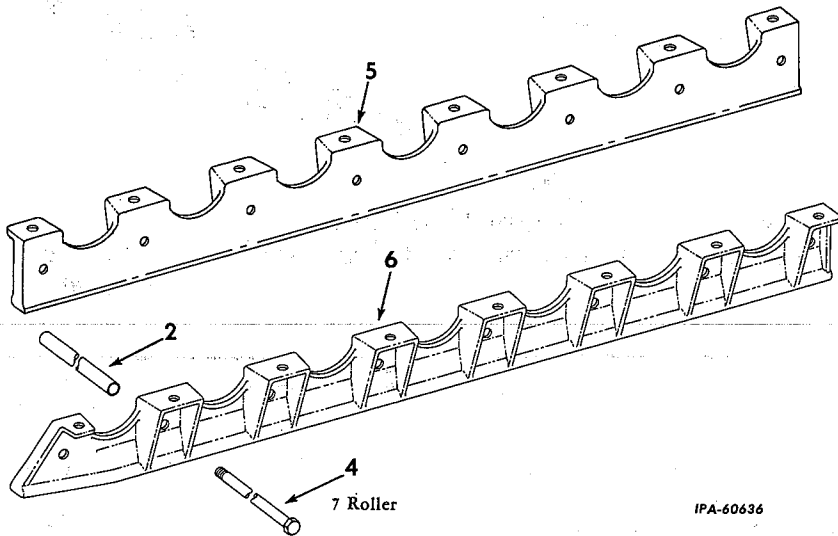
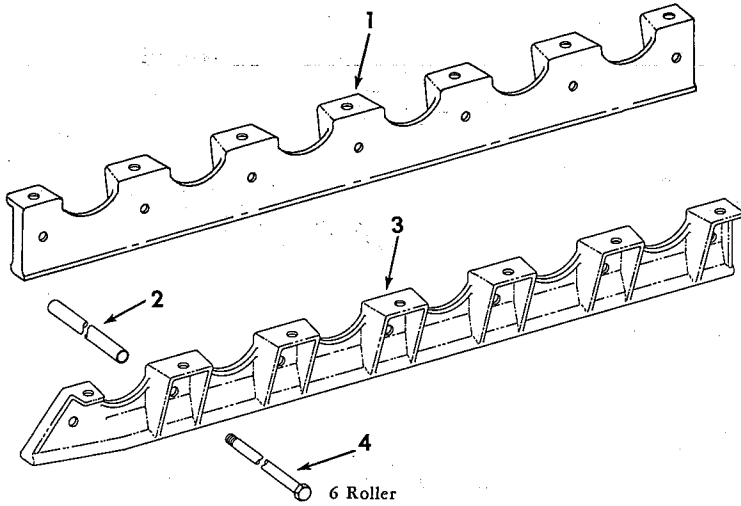
| REF. NO.  | I.H. PART NUMBER | DESCRIPTION   |
|---|------------------|---|
| ⊗ - KEY TO UNITS  |                  |   |
| A -   | 268 251 R91      | ATTACHMENT, track roller shield (See NOTE 3)  |
| B -   | 303 691 R91      | ATTACHMENT, track roller shield (Used on Extended track Frame) (See NOTE 3)                           |
| ⊗ - 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   | 304 763 R11      | SHIELD, LH inner track roller (Unit A)<br>3/4 x 1-1/2" hex-hd. cap SCREW (9)<br>3/4" lock WASHER (9)  |
| 1   | 304 764 R11      | SHIELD, RH inner track roller (Unit A)<br>3/4 x 1-1/2" hex-hd. cap SCREW (9)<br>3/4" lock WASHER (9)  |
| 2   | 304 766 R11      | SHIELD, LH outer track roller (Unit A)<br>3/4 x 1-1/2" hex-hd cap SCREW (12)<br>3/4" lock WASHER (12) |

| REF. NO. | I.H. PART NUMBER | DESCRIPTION   |
|----------|------------------|---|
| 2        | 304 767 R11      | SHIELD, RH outer track roller (Unit A)<br>3/4 x 1-1/2" hex-hd cap SCREW (12)<br>3/4" lock WASHER (12) |
| 3        | 303 685 R11      | SHIELD, LH inner track roller (Unit B)<br>3/4" x 1-1/2" hex-hd. cap SCREW (9)<br>3/4" lock WASHER (9) |
| 3        | 303 686 R11      | SHIELD, RH inner track roller (Unit B)<br>3/4" x 1-1/2" hex-hd. cap SCREW (9)<br>3/4" lock WASHER (9) |
| 4        | 303 687 R11      | SHIELD, LH outer track roller (Unit B)<br>3/4 x 1-1/2" hex-hd cap SCREW (11)<br>3/4" lock WASHER (11) |
| 4        | 303 688 R11      | SHIELD, RH outer track roller (Unit B)<br>3/4 x 1-1/2" hex-hd cap SCREW (11)<br>3/4" lock WASHER (11) |
|          | 281 463 R1       | BOLT, track roller shield spacer (10)   |
|          |                  | 3/4" NUT (10)   |
|          | 268 250 R1       | SPACER, track roller shield (10)  |

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

TRACK DRIVE

TRACK ROLLER SHIELD  
(TD-15-151 Series)



IPA-60636

| REF. NO.  | I. H. PART NUMBER | DESCRIPTION   |
|---|-------------------|---|
| (X) - KEY TO UNITS  |                   |   |
| A -   | 322 145 R91       | ATTACHMENT, track roller shield (Used on units equipped with 6 roller track frames with track chain guides) (See NOTES 1 and 3) |
| B -   | 322 149 R91       | ATTACHMENT, track roller shield (used on units equipped with 7 roller track frames with track chain guides) (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   | 322 460 R1        | SHIELD, track roller outer LH (Unit A)  |
| 1   | 322 461 R1        | SHIELD, track roller outer RH (Unit A)<br>3/4 x 1-1/2" hex-hd cap SCREW (14)<br>13/16 x 1-1/2 x .134" ga. WASHER (14)           |
| 2   | 268 250 R1        | SPACER, track roller shield (14 for Unit A, 16 for Unit B)  |

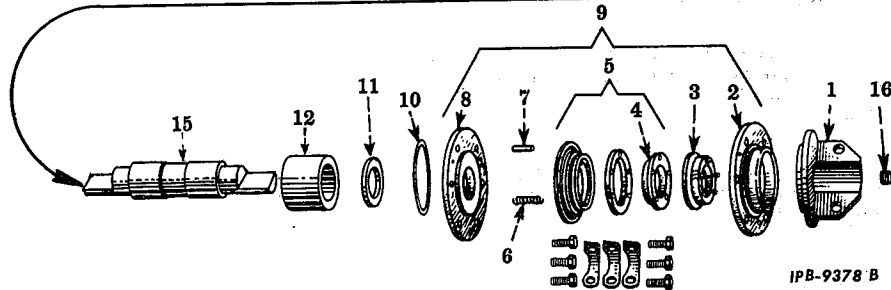
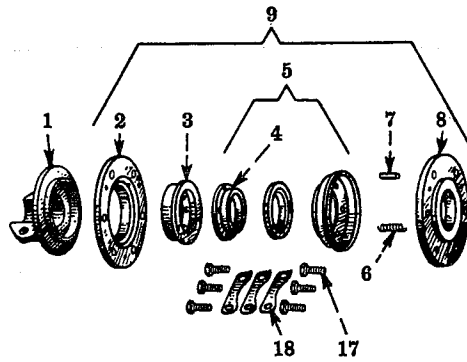
TRACK DRIVE

TRACK ROLLER SHIELD - CONTINUED  
(TD-15-151 Series)

| REF. NO.   | I. H. PART NUMBER | DESCRIPTION  |
|--|-------------------|--|
| 3  | 322 142 R1        | SHIELD, LH track roller inner (Unit A)   |
| 3  | 322 143 R1        | SHIELD, RH track roller inner (Unit A)<br>3/4 x 1-1/2" hex-hd cap SCREW (14)<br>13/16 x 1-1/2 x .134" ga. WASHER (14)    |
| 4  | 281 463 R1        | BOLT, track roller shield spacer (14 for Unit A, 16 for Unit B)  |
| 5  | 322 148 R1        | SHIELD, track roller outer (2 for Unit B)<br>3/4 x 1-1/2" hex-hd cap SCREW (16)<br>13/16 x 1-1/2 x .134" ga. WASHER (16) |
| 6  | 322 146 R1        | SHIELD, LH track roller inner (Unit B)   |
| 6  | 322 147 R1        | SHIELD, RH track roller inner (Unit B)<br>3/4 x 1-1/2" hex-hd cap SCREW (16)<br>13/16 x 1-1/2 x .134" ga. WASHER (16)    |
| NOTE 1 - Factory Application - Order on Machine Order Form.                |                   |  |
| NOTE 3 - Field Application - Order through Regular Service Parts Channels. |                   |  |

TRACK DRIVE

TRACK ROLLERS



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

⊗ KEY TO UNITS

- A - Service parts for track rollers (for tractors with 6 roller oscillating track frame) (Standard) equipped with 4 double flange track rollers and 8 single flange track rollers.  
(Double flange track roller position nos. 2 and 4)  
(Single flange track roller position nos. 1, 3, 5 and 6)
- B - Service parts for track rollers (for tractors with 6 roller oscillating track frame) (Standard) equipped with 10 double flange track rollers and 2 single flange track rollers.  
(Double flange track roller position nos. 1, 2, 3, 4 and 5)  
(Single flange track roller position no. 6)
- C - Service parts for track rollers (for tractors with 6 roller rigid extended track frame used with Rigid track Loader Equipment Combination TD-15-420-0) equipped with 8 double flange track rollers and 4 single flange track rollers.  
(Double flange track roller positions Nos. 1, 3, 4 and 6)  
(Single flange track roller position nos. 2 and 5)
- D - Service parts for track rollers (for tractors with 6 roller rigid extended track frame used with Rigid Track Loader Equipment Combination TD-15-420-0) equipped with 12 double flange track rollers.  
(Double flange track roller position nos. 1, 2, 3, 4, 5 and 6)
- E - Service parts for track rollers (for tractors with 6 roller rigid extended track frame used with Dual Welded Equipment combination, TD-15-600-0) equipped with 4 double flange track rollers and 8 single flange track rollers. (Double flange track roller position nos. 1 and 4) (Single flange track roller position nos. 2, 3, 5 and 6)

TRACK DRIVE

TRACK ROLLERS - CONTINUED

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

- F - Service parts for track rollers (for tractors with 6 roller rigid extended track frame used with Dual Welded Equipment Combination, TD-15-600-0) equipped with 10 double flange track rollers and 2 single flange track rollers. (Double flange track roller position nos. 1, 2, 3, 4 and 5) (Single flange track roller position no. 6)
- ⊗ - 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.
- 1 268 306 R1 BRACKET, track roller shaft (24)  
3/4 x 1-3/4" hex-hd. cap SCREW (48)
- 2 275 572 R1 HOUSING, track roller oil seal (24)
- 3 275 569 R1 PLATE, track roller and oil seal back (24)
- 4 275 568 R1 GASKET, track roller oil seal back (24)
- 5 275 570 R91 STATOR, rotor and back gasket track roller oil seal (24)
- 6 275 571 R1 SPRING, track roller oil seal (144)
- 7 275 573 R1 PIN, track roller oil seal anchor (72)
- 8 275 519 R2 RETAINER, track roller bushing (24)

# TRACK DRIVE



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

## TRACK ROLLERS - CONTINUED

|             |             |  |
|-------------|-------------|--|
| 9           | 275 520 R91 | OIL SEAL ASSEMBLY, track roller (24)<br>(Composed of -<br>1 GASKET 275 568 R1<br>1 HOUSING 275 572 R1<br>3 PIN 275 573 R1<br>1 PLATE 275 569 R1<br>1 RETAINER 275 519 R1<br>6 SPRING 275 571 R1<br>1 STATOR 275 570 R91)   |
| 10          | 309 078 R1  | "O" RING, 3-7/8 x 4-1/8 x 1/8" track roller sealing (will work for 259 246 R1) (24)  |
| 11          | 305 536 R1  | WASHER, track roller thrust (24)   |
| 12          | 305 535 R1  | BUSHING, track roller (standard) (24)  |
| 12          | 305 542 R1  | BUSHING, track roller (.030" oversize) (24)  |
| 13          | 305 527 R91 | ROLLER, w/two BUSHING, 305 535 R1, track (single flange) (8 for Unit A) (2 for Unit B) (4 for Unit C) (8 for Unit E) (2 for Unit F)  |
| 14          | 305 528 R91 | ROLLER, w/two BUSHING, 305 535 R1, track (double flange) (4 for Unit A) (10 for Unit B) (8 for Unit C) (12 for Unit D) (4 for Unit E) (10 for Unit F)  |
| 15          | 305 533 R91 | SHAFT, track roller (12)   |
| 16          | 268 996 R1  | PLUG, track roller shaft lubricating (12)  |
| 17          |             | SCREW, 7/16 x 1-3/8" track roller bushing retainer cap (144)   |
| 18          | 261 647 R1  | PLATE, track roller bushing retainer cap screw lock (72)   |
|             |             | RIVET, 1/4 x 9/16" rd-hd long track roller oil seal (72)   |
| 305 525 R91 |             | ROLLER and SHAFT ASSEMBLY, track (single flange) (8 for Unit A) (2 for Unit B) (4 for Unit C) (8 for Unit E) (2 for Unit F)<br>(Composed of -<br>6 PLATE 261 647 R1<br>1 PLUG 268 996 R1<br>2 RING 309 078 R1<br>1 ROLLER 305 527 R91<br>2 SEAL 275 520 R91<br>1 SHAFT 305 533 R91<br>2 WASHER 305 536 R1)                   |
| 305 526 R91 |             | ROLLER and SHAFT ASSEMBLY, track (double flange) (4 for Unit A) (10 for Unit B) (8 for Unit C) (12 for Unit D) (4 for Unit E) (10 for Unit F)<br>(Composed of -<br>6 PLATE 261 647 R1<br>1 PLUG 268 996 R1<br>2 RING 309 078 R1<br>1 ROLLER 305 528 R91<br>2 SEAL 275 520 R91<br>1 SHAFT 305 533 R91<br>2 WASHER 305 536 R1) |

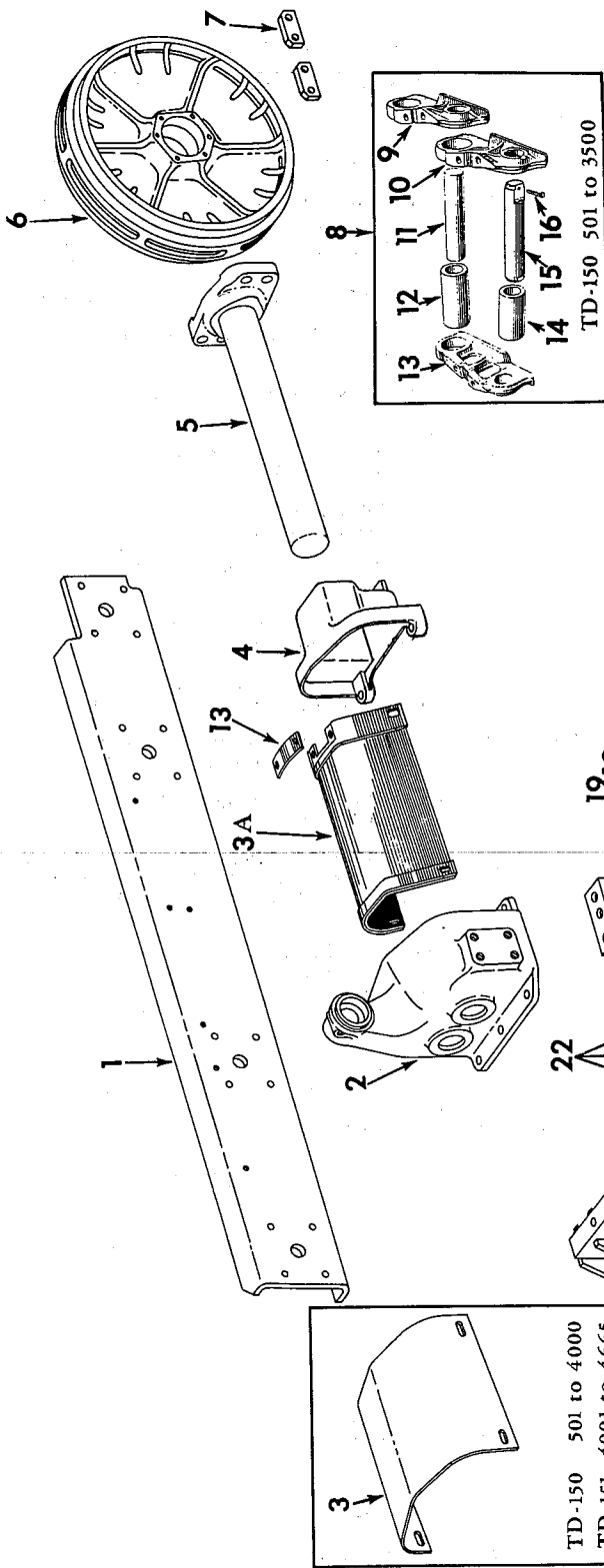
# MEMORANDUM



# TRACK DRIVE



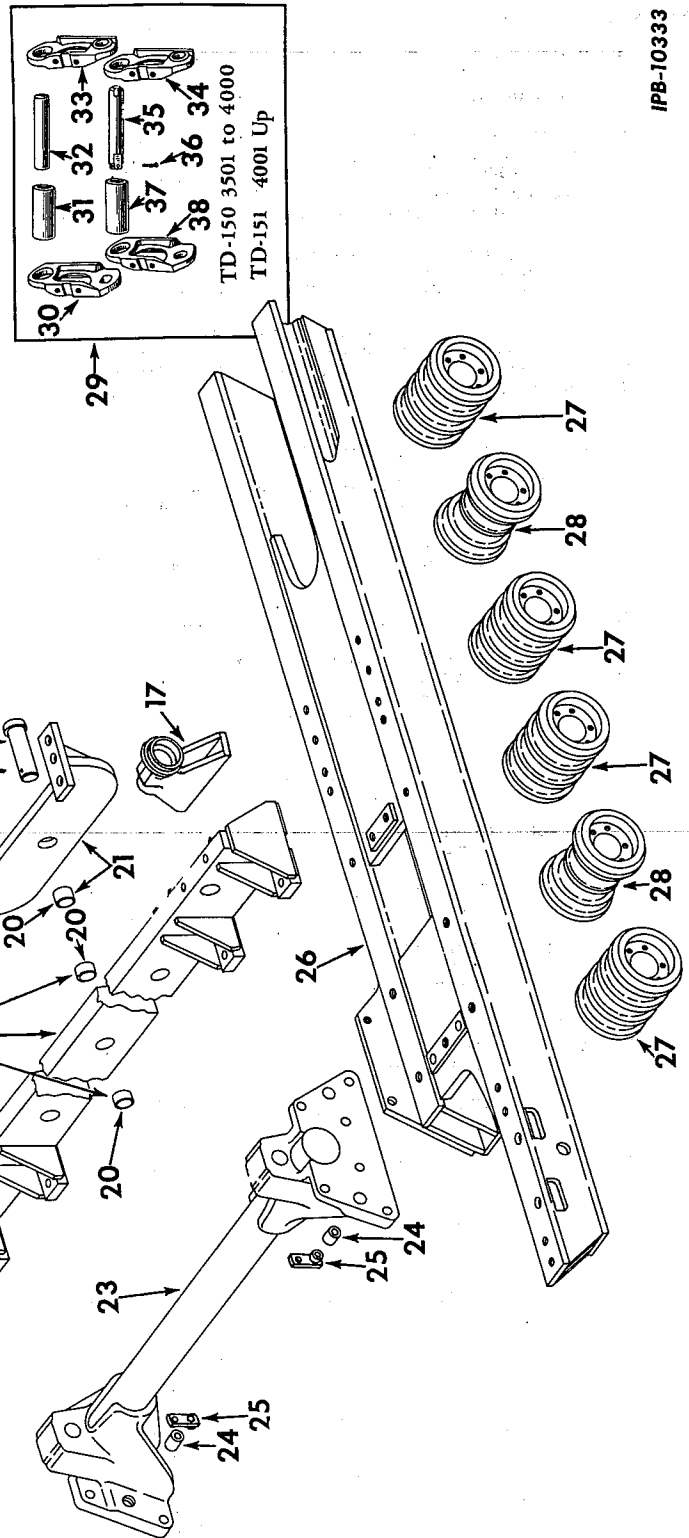
## RIGID EXTENDED TRACK FRAME



# TRACK DRIVE



## RIGID EXTENDED TRACK FRAME - CONTINUED



IPB-10333 C

# TRACK DRIVE

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

RIGID EXTENDED TRACK FRAME - CONTINUED

(X) - KEY TO UNITS -

- A - Service parts for Rigid Extended (6) Roller Track Frame used on Rigid Track Loader Equipment Combination TD-15-420-2 (TD-15-150 Series).
- B - Service parts for Rigid Extended (6) Roller Track Frame used on Side Boom Equipment Combinations TD-15-500-1, TD-15-502-1 or TD-15-504-2, Dual Welded Equipment Combination TD-15-600-1 and Back Filler Equipment Combination TD-15-700-0.
- C - Service parts for Rigid Extended (7) Roller Track Frame used on Rigid Track Loader Equipment Combination TD-15-420-2 (TD-15-151 Series).

(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 | 304 557 R91           | CHANNEL, LH main frame side   |
| 1 | 304 558 R91           | CHANNEL, RH main frame side<br>7/8 x 2-1/4" hex-hd cap SCREW (16)   |
| 2 | 275 461 R21           | RETAINER, LH rear track spring (Unit A and C)   |
| 2 | 275 462 R21           | RETAINER, RH rear track spring (Unit A and C)   |
|   | 272 527 R1<br>106 623 | BOLT, rear track spring retainer (5)<br>CORK (No. 8) (7/8 x 1-1/16" long) (12)<br>5/8NF NUT<br>5/8 x 3-1/2" hex-hd. cap SCREW   |
| 3 | 59 545 DX             | GUARD, LH track spring TD-150 501 to 4000,<br>TD-151 4001 to 4665   |
| 3 | 59 546 DX             | GUARD, RH track spring TD-150 501 to 4000,<br>TD-151 4001 to 4665   |
| 4 | 273 560 R1            | SUPPORT, LH front track spring adjusting rod  |
| 4 | 273 561 R1            | SUPPORT, RH front track spring adjusting rod<br>5/8 x 1-1/2" hex-hd cap SCREW (8)   |
| 5 | 279 965 R1            | ADJUSTER, front idler (2) TD-150 501 to 4000,<br>TD-151 4001 to 4665  |
| 5 | 322 801 R11           | ADJUSTER, hydraulic front idler (TD-151 4666 up) (2 for Unit B)   |
| 5 | 322 801 R11           | ADJUSTER, hydraulic front idler (TD-151 4666 up) (2 for Unit C)   |
| 6 | 272 137 R2            | IDLER, front (2)<br>3/4 x 2-3/4" hex-hd cap SCREW (8)   |
| 7 | 273 478 R1            | SPACER, front idler guide (4) (TD-150 501 to 4000,<br>TD-151 4001 to 4665)  |
| 8 | 279 970 R91           | TRACK ASSEMBLY (one section) (less shoes) (2) (TD-150 501 to 3500)<br>(Composed of -<br>1 BUSHING 49 759 DA<br>41 BUSHING 263 959 R2<br>41 LINK 263 955 R1<br>41 LINK 263 956 R1<br>1 LINK 263 957 R1<br>1 LINK 263 958 R1<br>1 LOCKWIRE 263 945 R1<br>41 PIN 263 960 R1<br>1 PIN 263 961 R1) |

# TRACK DRIVE

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

RIGID EXTENDED TRACK FRAME - CONTINUED

|    |             |   |
|----|-------------|---|
| 9  | 263 956 R1  | LINK, RH track (82) (TD-150 501 to 3500)  |
| 10 | 263 957 R1  | LINK, LH track master (2) (TD-150 501 to 3500)  |
| 10 | 263 958 R1  | LINK, RH track master (2) (TD-150 501 to 3500)  |
| 11 | 263 960 R1  | PIN, track link (82) (TD-150 501 to 3500)   |
| 12 | 263 959 R2  | BUSHING, track link (82) (TD-150 501 to 3500)   |
| 13 | 263 955 R1  | LINK, LH track (82) (TD-150 501 to 3500)  |
| 14 | 49 759 DA   | BUSHING, track master link (2) (TD-150 501 to 3500)   |
| 15 | 263 961 R1  | PIN, track master link (2) (TD-150 501 to 3500)   |
| 16 | 263 945 R1  | LOCKWIRE, track master link pin (2) (TD-150 501 to 3500)  |
| 17 | 273 559 R1  | SUPPORT, front track idler (2)<br>5/8NF NUT (2)<br>7/8 x 1-3/4" hex-hd. cap SCREW (4)<br>5/8 x 3-1/2" hex-hd. cap SCREW (2)                                     |
| 18 | 275 460 R2  | PIN, chassis support (Unit A and C) (Unit B-150 501 to 2245)  |
| 19 |             | PIN, 3/8 x 2-1/2" cotter (chassis support) (Unit A and C) (Unit B-TD-150 501 to 2245)   |
| 20 | 278 803 R1  | BEARING, front rigid cross bar (2 for Unit A and C) (2 for Unit B-TD-150 501 to 2245)   |
| 20 | 278 803 R1  | BEARING, chassis support (Unit A and C) (Unit B-TD-150 501 to 2245)   |
| 21 | 277 777 R11 | SUPPORT w/BEARING, 278 803 R1, chassis (Unit A and C) (Unit B-TD-150 501 to 2245)<br>3/4 x 1-3/4" hex-hd cap SCREW (6)  |
| 22 | 273 556 R13 | CROSSBAR w/two BEARING, 278 803 R1, front rigid (Unit A and C) (Unit B-TD-150 501 to 2245)<br>1 x 3-1/4" hex-hd. cap SCREW (16)                                 |
| 22 | 311 141 R91 | CROSSBAR, rigid (Unit B -TD-150-2246 up)<br>1 x 3-1/4" hex-hd cap SCREW (16)  |
| 23 | 275 452 R12 | CROSSBAR, rear (Unit A and C)<br>1" NUT (2)<br>1 x 3-1/4" hex-hd. cap SCREW (6)<br>1 x 2" hex-hd. cap SCREW (6)   |
| 24 | 273 548 R1  | DOWEL, rear crossbar support (4 for Unit A and C)   |
| 25 | 273 555 R11 | PLATE, rear crossbar support dowel retainer (4 for Unit A and C)<br>5/8 x 2" hex-hd. cap SCREW (4)<br>1/2 x 1-1/4" hex-hd cap SCREW (4)<br>1/2" lock WASHER (4) |
| 26 | 307 178 R92 | FRAME, LH track (Unit B)  |
| 26 | 307 179 R92 | FRAME, RH track (Unit B)  |
| 26 | 322 127 R91 | FRAME, LH track (together with ROLLER, 305 525 R91 and two BRACKET, 268 306 R1, will work for 279 944 R91) (Units A and C)                                      |
| 26 | 322 128 R91 | FRAME, RH track (together with ROLLER, 305 525 R91 and two BRACKET, 268 306 R1 will work for 279 945 R91) (Units A and C)                                       |



## TRACK DRIVE

## MEMORANDUM

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

## RIGID EXTENDED TRACK FRAME - CONTINUED

|    |             |  |
|----|-------------|--|
| 27 | 305 526 R91 | ROLLER and SHAFT ASSEMBLY, track (double flange) (See NOTE) (8 for Unit A and C) (4 for Unit B)  |
| 28 | 305 525 R91 | ROLLER and SHAFT ASSEMBLY, track (single flange) (See NOTE) (4 for Unit A) (8 for Unit B) (6 for Unit C)   |
| 29 | 316 588 R91 | TRACK ASSEMBLY (one section) (less shoes) (2) (TD-150-3501 to 4000) (TD-151 4001 up)<br>(Composed of -<br>41 BUSHING 316 593 R1<br>1 BUSHING 316 594 R1<br>41 LINK 316 589 R1<br>41 LINK 316 590 R1<br>1 LINK 316 591 R1<br>1 LINK 316 592 R1<br>41 PIN 316 595 R1<br>1 PIN 316 596 R1<br>1 WIRE 316 597 R1) |
| 30 | 316 592 R1  | LINK, RH master track (2) (TD-150-3501 to 4000) (TD-151 4001 up)   |
| 31 | 316 593 R1  | BUSHING, track link (82) (TD-150-3501 to 4000) (TD-151 4001 up)  |
| 32 | 316 595 R1  | PIN, track link (82) (TD-150-3501 to 4000) (TD-151 4001 up)  |
| 33 | 316 591 R1  | LINK, LH master track (2) (TD-150-3501 to 4000) (TD-151 4001 up)   |
| 34 | 316 589 R1  | LINK, LH track (82) (TD-150-3501 to 4000) (TD-151 4001 up)   |
| 35 | 316 596 R1  | PIN, track master link (2) (TD-150-3501 to 4000) (TD-151 4001 up)  |
| 36 | 316 597 R1  | WIRE, track master link pin lock (2) (TD-150-3501 to 4000) (TD-151 4001 up)  |
| 37 | 316 594 R1  | BUSHING, track master link (2) (TD-150-3501 to 4000) (TD-151 4001 up)  |
| 38 | 316 590 R1  | LINK, RH track (82) (TD-150-3501 to 4000) (TD-151 4001 up)   |
|    | 318 844 R91 | ATTACHMENT, track chain (with shoes) (18" overlapping flat low profile - 3 grouser) (*) (See NOTE 2)<br>(Composed of -<br>168 BOLT 311 346 R1<br>1 CHAIN 316 588 R91<br>168 NUT 273 872 R1<br>42 SHOE 277 512 R1 )   |
|    | 314 974 R91 | PACKAGE, track link bushing field service (consists of two SPACER, 316 600 R1, BUSHING, 316 594 R1 and PIN, 316 595 R1) (TD-150-3501 to 4000) (TD-151 4001 up)   |
|    | 316 600 R1  | SPACER, track master link bushing (used with PACKAGE, 314 974 R91 only) (2) (TD-150-3501 to 4000) (TD-151 4001 up)   |
|    | 307 396 R1  | STUD, rigid crossbar (2 for Unit B-TD-150-2246 to 4000) (TD-151 4001 up)<br>3/4NF NUT (4)<br>3/4NF x 1-3/4" hex-hd cap SCREW (4)   |

NOTE - For illustration and components see list of parts under heading "Track Roller" in track drive section of this catalog.

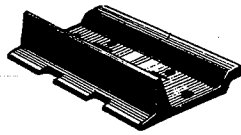
(\*) - Above attachment services one side of tractors. Order two of the above attachment to service both sides of tractor.

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

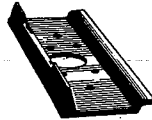
**TRACK DRIVE**



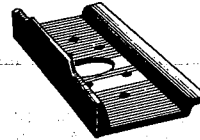
**TRACK SHOES**



Square corner shoe



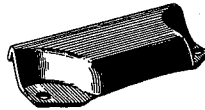
End lug ice grouser and snow shoe



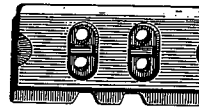
Center lug ice grouser and snow shoe



Clipped corner shoe



Street plate



Overlapping flat shoe (16")



Overlapping flat shoe (18")

IPB-10315 A

**TRACK DRIVE**



**TRACK SHOES - CONTINUED**

| ATTACHMENT NUMBER | DESCRIPTION |
|-------------------|-------------|
|-------------------|-------------|

**SQUARE CORNER**

|             |  |
|-------------|--|
| 255 835 R91 | SHOE SET, track (16" track shoe 49 766 DC) (78)                                  |
| 255 836 R91 | SHOE SET, track (18" track shoe 51 074 DC) (78)                                  |
| 255 837 R91 | SHOE SET, track (20" track shoe 51 076 DC) (78)                                  |
| 255 838 R91 | SHOE SET, track (22" track shoe 51 078 DC) (78)                                  |
| 307 202 R11 | SHOE SET, track (18" track shoe 51 074 DC) (84) (f)                              |
| 307 203 R91 | SHOE SET, track (20" track shoe 51 076 DC) (84) (f)                              |
| 307 204 R91 | SHOE SET, track (22" track shoe 51 078 DC) (84) (f)                              |
| 314 155 R91 | SHOE SET, track (24" track shoe 261 442 R1) (84) (t)                             |
| 311 346 R1  | Included with the above<br>SCREW, track shoe cap (will work for 49 762 DA) (312) |
| 273 872 R1  | NUT, track shoe cap screw (hex type) (312) (X)                                   |

**OVERLAPPING (Flat Shoe)**

|             |  |
|-------------|--|
| 304 237 R91 | SHOE SET, overlapping track (16" track shoe 9 156 DB) (84) (c)                             |
| 304 243 R91 | SHOE SET, overlapping low straight type grouser track (18" track shoe 258 877 R1) (84) (c) |
| 304 244 R91 | SHOE SET, overlapping low profile 3 grouser (18" track shoe 277 512 R1) (84) (c)           |
|             | Included with the above  |
| 311 346 R1  | SCREW, track shoe cap (will work for 49 762 DA) (312)                                      |
| 273 872 R1  | NUT, track shoe cap screw (hex type) (312) (X)   |

**STAGGERED LUG ICE GROUSER AND SNOW SHOE**

|             |  |
|-------------|--|
| 255 880 R91 | SHOE SET, track (center lug) (16" track shoe 57 185 DA) (39) |
| 255 880 R91 | SHOE SET, track (end lug) (16" track shoe 57 186 DA) (39)    |
| 255 881 R91 | SHOE SET, track (center lug) (18" track shoe 57 187 DA) (39) |
| 255 881 R91 | SHOE SET, track (end lug) (18" track shoe 57 188 DA) (39)    |
|             | Included with the above                                      |
| 311 346 R1  | SCREW, track shoe cap (will work for 49 762 DA) (312)        |
| 273 872 R1  | NUT, track shoe cap screw (hex type) (312) (X)               |

| ATTACHMENT NUMBER | DESCRIPTION |
|-------------------|-------------|
|-------------------|-------------|

**CLIPPED CORNER**

|             |  |
|-------------|--|
| 257 729 R92 | SHOE SET, track (standard) (16" track shoe 51 080 DD) (78) (X)                   |
| 257 730 R92 | SHOE SET, track (18" track shoe 51 081 DD) (78)                                  |
| 257 731 R92 | SHOE SET, track (wide tread) (20" track shoe 51 083 DD) (78)                     |
| 257 732 R92 | SHOE SET, track (wide tread) (22" track shoe 51 085 DD) (78)                     |
| 304 236 R91 | SHOE SET, track (18" track shoe 51 081 DD) (84) (c)                              |
| 307 200 R91 | SHOE SET, track (20" track shoe 51 083 DD) (84) (f)                              |
| 307 201 R91 | SHOE SET, track (22" track shoe 51 085 DD) (84) (f)                              |
| 314 100 R91 | SHOE SET, track (24" track shoe 261 443 R2) (84) (f)                             |
| 311 346 R1  | Included with the above<br>SCREW, track shoe cap (will work for 49 762 DA) (312) |
| 273 872 R1  | NUT, track shoe cap screw (hex type) (312) (X)                                   |

**STREET PLATE**

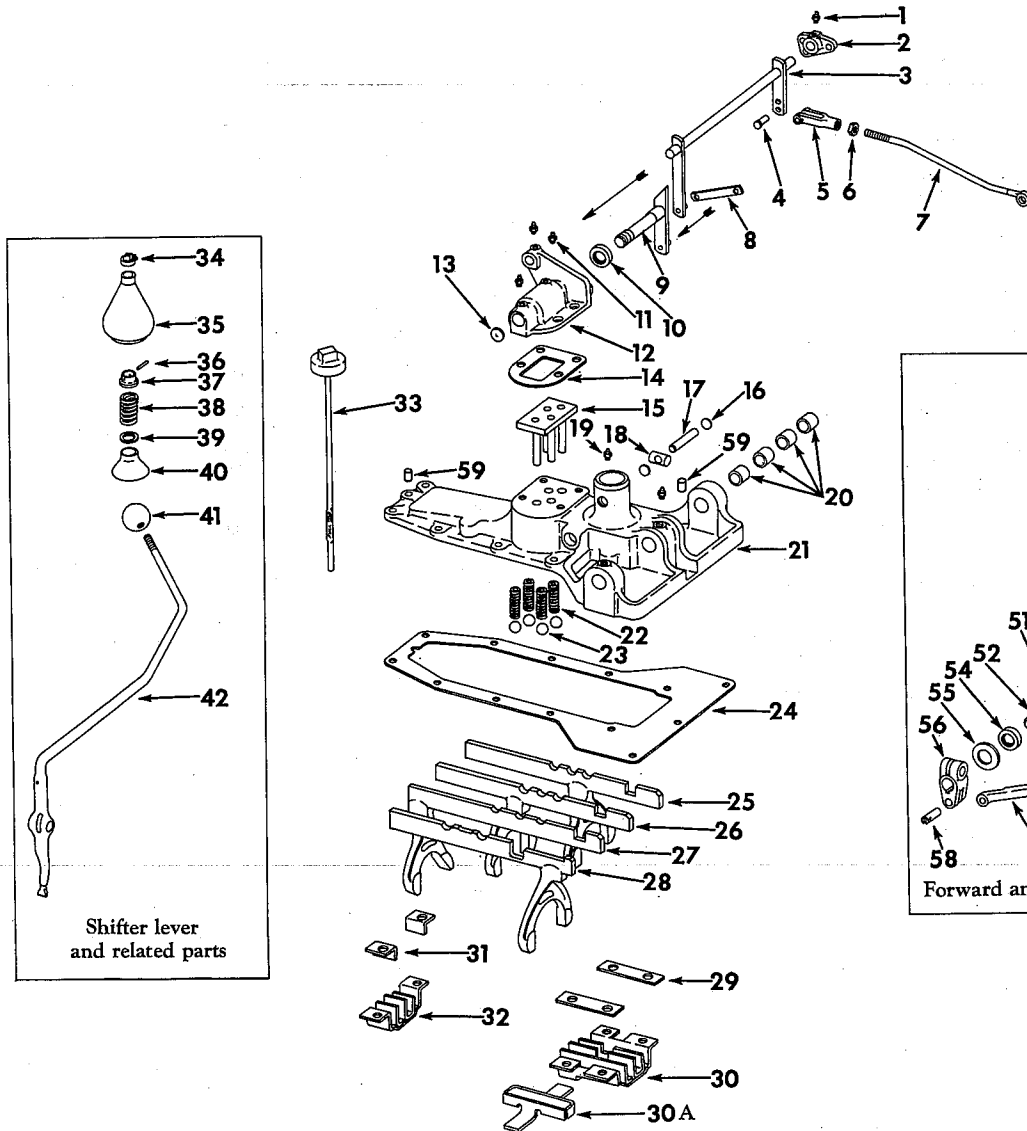
(Used with Square Corner, Clipped Corner and Staggered Lug Ice and Snow Shoe)

|             |  |
|-------------|--|
| 255 840 R92 | PLATE SET, street (half set) (13-1/2" track shoe 57 641 DA) (38) |
|             | SCREW, 3/4NF x 1-1/2" hex-hd. cap (76)                           |
|             | NUT, 3/4NF (76)  |

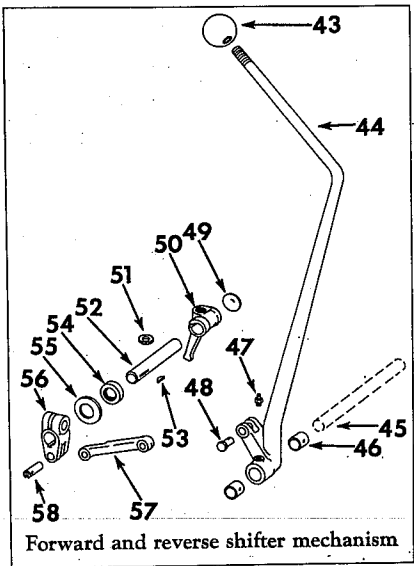
- (f) For Side Boom Equipment Combination
- (c) - For Rigid Track Loader Equipment Combination
- (X) - Square type track shoe bolt Nut 261 968 R1 is also available for service in place of hex type 273 872 R1.

# TRANSMISSION

## GEAR SHIFTER MECHANISM - FULL REVERSE TRANSMISSION



Shifter lever and related parts



Forward and reverse shifter mechanism

IPB-10222A

| REF. NO. | I. H. PART NUMBER | DESCRIPTION   |
|----------|-------------------|---|
| 1        | 109 462           | FITTING, lubrication, gear shifter lockshaft (Lincoln No. 5400) (optional with 271 285)   |
| 1        | 271 285           | FITTING, lubrication, gear shifter lockshaft (Alemite No. 1613-B) (optional with 109 462) |
| 2        | 9 783 DA          | BRACKET, gear shifter lockshaft<br>3/8 x 1" hex-hd. cap SCREW (2)<br>3/8" lock WASHER (2) |
| 3        | 272 440 R11       | SHAFT, gear shifter lock<br>3/32 x 3/4" cotter PIN  |
| 4        | 103 497           | PIN, gear shifter lockshaft rod yoke<br>3/32 x 3/4" cotter PIN                            |
| 5        | 117 825           | CLEVIS, gear shifter lockshaft rod  |
| 6        |                   | NUT, 7/16"NF  |
| 7        | 272 311 R11       | ROD, gear shifter lockshaft connecting  |
| 8        | 272 310 R1        | LINK, gear shifter lockshaft to lock camshaft   |

# TRANSMISSION

## GEAR SHIFTER MECHANISM - FULL REVERSE TRANSMISSION - CONTINUED

| REF. NO. | I. H. PART NUMBER | DESCRIPTION  |
|----------|-------------------|--|
| 9        | 279 507 R11       | CAMSHAFT, gear shifter lock<br>3/32 x 3/4" cotter PIN  |
| 10       | 19 707 D          | OIL SEAL, gear shifter lock cam  |
| 11       | 138 322 H         | FITTING, lubrication gear shifter lock camshaft (Alemite No. 1610-BL) (optional with 109 461) (3)  |
| 11       | 109 461           | FITTING, lubrication gear shifter lock camshaft (Lincoln No. 5000) (optional with 138 322 H) (3)   |
| 12       | 318 852 R1        | HOUSING, gear shifter lock cam (TD-150-3561 to 4000, TD-151-4001 up)   |
| 12       | 279 506 R1        | HOUSING, gear shifter lock cam (TD-150-501 to 3560)<br>3/8 x 1" hex-hd cap SCREW (2)<br>3/8 x 2-1/4" hex-hd cap SCREW (2)<br>3/8" lock WASHER (4)<br>1/4 x 3/8" hex-soc. cap SCREW |



# TRANSMISSION

| REF. NO.                                     | I. H. PART NUMBER | DESCRIPTION  |
|--|-------------------|--|
| <b>GEAR SHIFTER MECHANISM - FULL REVERSE</b> |                   |  |
| <b>TRANSMISSION - CONTINUED</b>              |                   |  |
| 13   | 172 545           | PLUG, gear shifter lock camshaft expansion (1")  |
| 14   | 318 853 R1        | GASKET, gear shifter lock cam housing (TD-150-3561 to 4000) (TD-151-4001 up)   |
| 14   | 279 503 R1        | GASKET, gear shifter lock cam housing (TD-150-501 to 3560)   |
| 15   | 279 504 R11       | PLATE, gear shifter lock pin   |
| 16   | 172 529           | PLUG, gear shifter lever swivel shaft expansion (5/8") (2)   |
| 17   | 256 919 R1        | SHAFT, gear shift lever swivel (small)   |
| 18   | 256 918 R1        | SHAFT, gear shift lever swivel (large)   |
| 19   | 126 152           | FITTING, gear shifter housing bushing lubricator (Lincoln No. 5200) (optional with 271 283) (2)  |
| 19   | 271 283           | FITTING, gear shifter housing bushing lubricator (Alemite No. 1688-B) (optional with 126 152) (2)  |
| 20   | 272 301 R1        | BUSHING, gear shifter housing (4)  |
| 21   | 318 851 R31       | HOUSING w/four BUSHING, 272 301 R1 gear shifter (TD-150-3561 to 4000) (TD-151-4001 up)   |
| 21   | 279 500 R11       | HOUSING w/four BUSHING, 272 301 R1 gear shifter (TD-150-501 to 3560)<br>3/8 x 1" hex-hd. cap SCREW (6)<br>1/2 x 1-1/2" hex-hd. cap SCREW (6)<br>3/8" lock WASHER (6)<br>1/2" lock WASHER (6) |
| 22   | 269 908 R1        | SPRING, gear shifter rail poppet ball (4) (TD-150-3561 to 4000) (TD-151-4001 up)   |
| 22   | 69 069 D          | SPRING, gear shifter rail poppet ball (4) (TD-150-501 to 3560)   |
| 23   | 31 326 H          | BALL, gear shifter rail poppet (4)   |
| 24   | 279 502 R2        | GASKET, gear shifter housing   |
| 25   | 279 895 R91       | RAIL and FORK, fifth and sixth gear shifter  |
| 26   | 279 892 R91       | RAIL and FORK, third and fourth gear shifter   |
| 27   | 279 889 R91       | RAIL and FORK, first and second gear shifter   |
| 28   | 331 387 R91       | RAIL and FORK, forward and reverse gear shifter (not used on backfiller crawler tractor TD-15-700-0) (TD-150-501 to 3655)  |
| 28   | 279 886 R95       | RAIL and FORK, forward and reverse gear shifter (not used on backfiller crawler tractor TD-15-700-0) (TD-150-3656 to 4000) (TD-151-4001 up)  |
| 29   | 62 781 D          | LOCK, gear shift rail guide front support bolt (2)   |
| 30   | 279 881 R22       | SUPPORT, front gear shifter rail guide 3/8 x 3/4" hex-hd. cap SCREW (4)  |
| 30A  | 322 550 R91       | LOCK, gear shifter rail (TD-150-3656 to 4000) (TD-151-4001 up)   |
| 31   | 279 523 R1        | LOCK, gear shifter rail guide rear support bolt (2)  |
| 32   | 306 704 R11       | SUPPORT, rear gear shifter rail guide  |
| 33   | 276 800 R11       | ROD, transmission oil level  |
| 34   | 64 604 D          | CLAMP, gear shifter boot   |
| 35   | 64 603 DA         | BOOT, gear shifter   |
| 36   | 104 073           | RIVET, 3/16 x 1-1/4" b-hd. small solid   |

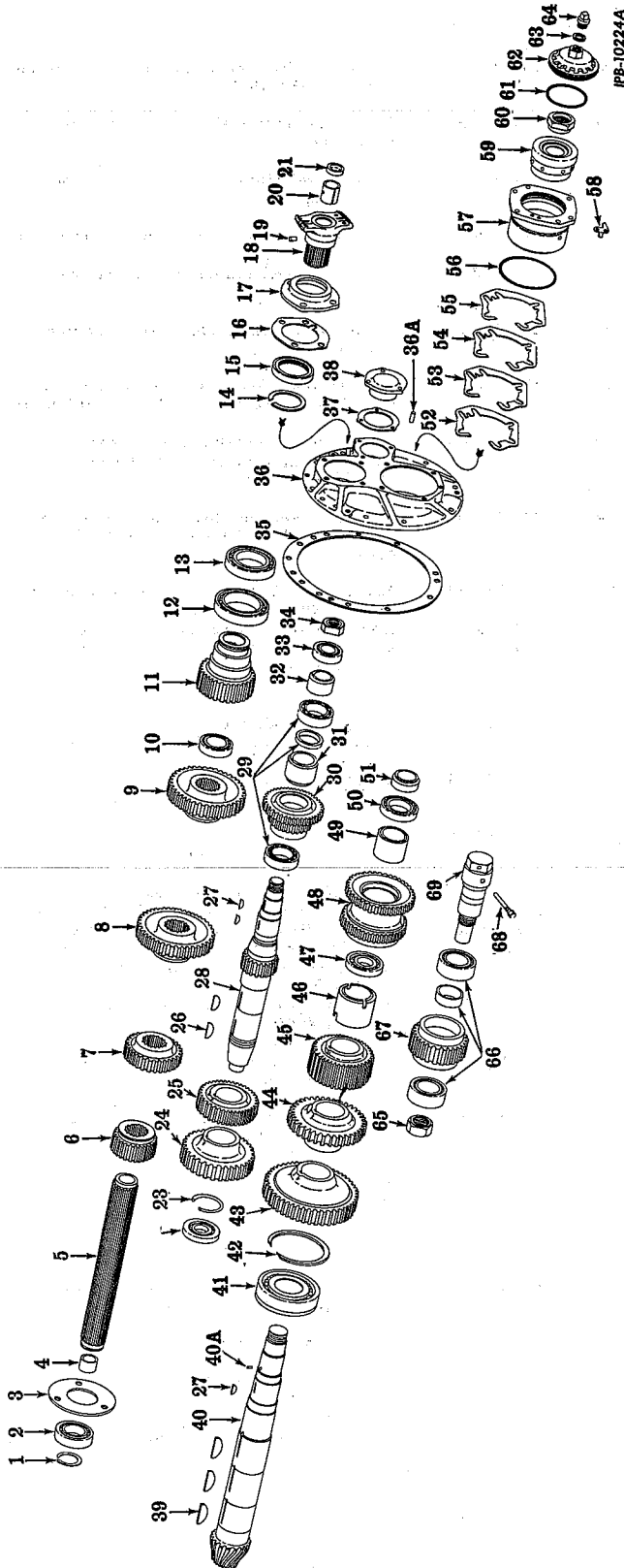


# TRANSMISSION

| REF. NO.                                   | I. H. PART NUMBER | DESCRIPTION  |
|--|-------------------|--|
| <b>GEAR SHIFTER MECHANISM-FULL REVERSE</b> |                   |  |
| <b>TRANSMISSION - CONTINUED</b>            |                   |  |
| 37   | 11 373 D          | STOP, upper gear shifter swivel housing shield spring  |
| 38   | 29 547 D          | SPRING, gear shifter swivel housing shield   |
| 39   | 17 700 D          | STOP, lower gear shifter swivel housing shield spring  |
| 40   | 355 889 R2        | SHIELD, gear shifter swivel housing  |
| 41   | 264 055 R2        | BALL, gear shift lever   |
| 42   | 318 857 R2        | LEVER, gear shift (TD-150-3561 to 4000) (TD-151-4001 up)   |
| 42   | 303 393 R1        | LEVER, gear shift (TD-150-501 to 3560)   |
| 43   | 264 055 R2        | BALL, forward and reverse gear shift lever   |
| 44   | 279 515 R11       | LEVER w/two BUSHING, 272 301 R1, forward and reverse gear shifter hand (not used on Rigid Track Loader Crawler Tractors TD-15-420-2) |
| 45   | 272 248 R4        | SHAFT, steering clutch hand lever (also listed with steering clutch controls)  |
| 46   | 272 301 R1        | BUSHING, forward and reverse gear shift hand lever (2)   |
| 47   | 109 462           | FITTING, forward and reverse shift lever shaft lubrication (Lincoln No. 5400) (optional with 271 285)                                |
| 47   | 271 285           | FITTING, forward and reverse shift lever shaft lubrication (Alemite No. 1613-B) (optional with 109 462)                              |
| 48   | 103 498           | PIN, forward and reverse gear shift lever 1/8 x 3/4" cotter PIN  |
| 49   | 172 545           | PLUG, gear shifter arm shaft 1" expansion  |
| 50   | 318 854 R1        | ARM, forward and reverse gear shifter (TD-150-3561 to 4000) (TD-151-4001 up)   |
| 50   | 279 510 R1        | ARM, forward and reverse gear shifter (TD-150-501 to 3560)<br>1/2NF x 1-1/4" hex-hd. cap SCREW<br>1/2" lock WASHER                   |
| 51   | 64 608 D          | KEY, forward and reverse gear shifter  |
| 52   | 318 855 R1        | SHAFT, forward and reverse gear shifter arm (TD-150-3561 to 4000) (TD-151-4001 up)   |
| 52   | 279 511 R1        | SHAFT, forward and reverse gear shifter arm (TD-150-501 to 3560)   |
| 53   | 106 751           | KEY, forward and reverse shifter crank (Woodruff No. 9-3/16 x 3/4")  |
| 54   | 19 707 D          | OIL SEAL, forward and reverse gear shifter arm shaft   |
| 55   | 64 609 D          | WASHER, forward and reverse gear shifter arm shaft   |
| 56   | 279 512 R1        | CRANK, forward and reverse shifter 1/2NF x 2" hex-hd. cap SCREW<br>1/2"NF NUT<br>1/2" lock WASHER                                    |
| 57   | 318 856 R1        | LINK, forward and reverse shifter (TD-150-3561 to 4000) (TD-151-4001 up)   |
| 57   | 279 513 R1        | LINK, forward and reverse shifter (TD-150-501 to 3560)   |
| 58   | 279 514 R1        | PIN, forward and reverse shifter crank 1/8 x 1-3/8" cotter PIN   |
| 59   | 279 501 R1        | DOWEL, gear shifter housing (2)  |

# TRANSMISSION

## FULL REVERSE TRANSMISSION



# TRANSMISSION

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

## FULL REVERSE TRANSMISSION - CONTINUED

|    |             |  |
|----|-------------|--|
| 1  | 40 888 D    | RING, rear transmission spline shaft bearing, snap   |
| 2  | 279 454 R91 | BEARING, rear transmission spline shaft (TD-150 501 to 3500)   |
| 2  | 319 973 R91 | BEARING, rear transmission spline shaft (TD-150-3501 to 4000) (TD-151-4001 up)   |
| 3  | 279 548 R1  | RETAINER, transmission spline shaft rear bearing<br>3/8 x 7/8" hex.-hd. cap SCREW (3)<br>3/8" lock WASHER (3)  |
| 4  | 50 025 D    | BUSHING, power take-off shaft  |
| 5  | 279 902 R11 | SHAFT w/BUSHING, 50 025 D, transmission spline (TD-150 501 to 3500)  |
| 5  | 320 386 R11 | SHAFT w/BUSHING, 50 025 D, transmission spline (not used on Backfiller Crawler Tractors TD-15-700-0) (TD-150 3501 to 4000) (TD-151 4001 up)  |
| 6  | 279 903 R2  | GEAR, first and second speed sliding (21T)   |
| 7  | 279 904 R2  | GEAR, third and fourth speed sliding (29T)   |
| 8  | 279 905 R1  | GEAR, fifth and sixth speed sliding (37T)  |
| 9  | 279 906 R1  | GEAR, forward and reverse sliding (38T)  |
| 10 | 279 769 R91 | BEARING, front transmission spline shaft   |
| 11 | 279 907 R2  | SHAFT, transmission drive (28 T)   |
| 12 | 279 975 R92 | BEARING, rear transmission drive shaft and gear  |
| 13 | 279 766 R91 | BEARING, front transmission drive shaft and gear   |
| 14 | 279 908 R1  | RING, front transmission drive shaft and gear snap   |
| 15 | 310 509 R91 | OIL SEAL, transmission drive yoke (will work for 279 493 R92 and 310 523 R91)  |
| 16 | 279 913 R1  | GASKET, transmission drive yoke oil seal housing   |
| 17 | 279 912 R1  | HOUSING, transmission drive yoke oil seal<br>3/8 x 1" hex.-hd. cap SCREW (4)<br>3/8" lock WASHER (4)   |
| 18 | 279 909 R2  | YOKE, transmission drive   |
| 19 | 279 911 R2  | PIN, transmission drive gear and yoke lock   |
| 20 | 279 910 R1  | SLEEVE, transmission drive yoke  |
| 21 | 58 530 D    | PLUG, transmission drive yoke  |
| 22 | 279 774 R91 | BEARING, rear intermediate shaft   |
| 23 | 279 917 R1  | RING, intermediate shaft snap  |
| 24 | 279 915 R1  | GEAR, second speed (38 T)  |
| 25 | 279 916 R1  | GEAR, fourth speed (30 T)  |
| 26 | 307 484 R1  | KEY, second speed gear (will work for 452 566)   |
| 26 | 307 484 R1  | KEY, fourth speed gear (will work for 452 566)   |
| 27 | 106 751     | KEY, intermediate shaft bearing spacer (Woodruff No. 9) (3/16 x 3/4") (2)  |
| 28 | 320 380 R1  | SHAFT w/GEAR, intermediate sixth speed (22 T) (TD-150 to 4000) (TD-151-4001 up)  |
| 28 | 279 914 R1  | SHAFT w/GEAR, intermediate sixth speed (22 T) (TD-150 501 to 3500)<br>(order the following parts -<br>1 BEARING 321 165 R91<br>1 GEAR 320 381 R1<br>1 KEY 106 751<br>1 SHAFT 320 380 R1<br>1 SPACER 320 383 R1<br>1 SPACER 320 385 R1)     |
| 29 | 279 767 R91 | BEARING, rear intermediate shaft idler gear (TD-150 501 to 3500)   |
| 29 | ST 649      | BEARING, front, intermediate shaft idler gear (TD-150 501 to 3500)   |
| 29 | 321 165 R91 | BEARING, intermediate shaft idler gear (TD-150-3501 to 4000) (TD-151-4001 up)  |
| 30 | 320 381 R1  | GEAR, intermediate shaft idler (21 T - 31 T) (TD-150-3501 to 4000) (TD-151-4001 up)  |
| 30 | 279 918 R1  | GEAR, intermediate shaft idler gear (21 T - 31 T) (TD-150 501 to 3500)<br>(order the following parts -<br>1 BEARING 321 165 R91<br>1 GEAR 320 381 R1<br>1 KEY 106 751<br>1 SHAFT 320 380 R1<br>1 SPACER 320 383 R1<br>1 SPACER 320 385 R1) |

**TRANSMISSION**

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

FULL REVERSE TRANSMISSION - CONTINUED

|     |             |  |
|-----|-------------|--|
| 31  | 320 383 R1  | SPACER, intermediate shaft idler gear (TD-150-3500 to 4000) (TD-151-4001 up)                                     |
| 32  | 279 919 R1  | SPACER, intermediate shaft bearing   |
| 33  | ST 214      | BEARING, front intermediate shaft (TD-150 501 to 3500)   |
| 33  | 321 167 R91 | BEARING, front intermediate shaft (TD-150-3501 to 4000) (TD-151-4001 up)   |
| 34  | 279 920 R1  | NUT, intermediate shaft  |
| 35  | 279 927 R1  | GASKET, transmission end cover   |
| 36  | 322 049 R1  | COVER, transmission end (TD-151-4001 up)   |
| 36  | 279 928 R1  | COVER, transmission end (TD-150-501 to 4000)   |
|     | 279 991 R1  | SCREW, 1/2 x 1-1/2" hex-hd. cap (6)<br>1/2" NUT (4)  |
| 36A | 18 585 DA   | DOWEL, transmission end cover pin  |
| 37  | 279 922 R1  | GASKET, intermediate shaft end cover   |
| 38  | 320 382 R1  | COVER, intermediate shaft end (TD-150-3501 to 4000) (TD-151-4001 up)   |
| 38  | 279 921 R1  | COVER, intermediate shaft end (TD-150 501 to 3500)<br>3/8 x 1" hex-hd. cap SCREW (3)<br>3/8" lock WASHER (3)     |
| 39  | 279 540 R1  | KEY, first speed gear  |
| 39  | 279 540 R1  | KEY, fifth speed gear  |
| 39  | 279 540 R1  | KEY, third speed gear  |
| 39A | 103 462     | KEY, bevel pinnion shaft idler gear bearing spacer (Woodruff No. 13) (3/16 x 3/4")                               |
| 40  | 320 549 R11 | SHAFT and PINION w/PIN, 279 901 R1 bevel (TD-151-4001 up)  |
| 40  | 279 875 R11 | SHAFT and PINION w/PIN, 279 901 R1 bevel (TD-150-501 to 4000)  |
| 40A | 279 901 R1  | PIN, bevel pinion and shaft bearing front spacer lock  |
| 41  | 279 771 R91 | BEARING, rear bevel pinion and shaft bearing   |
| 42  | 279 876 R1  | RING, rear bevel pinion snap   |
| 43  | 279 877 R1  | GEAR, first speed (42 T)   |
| 44  | 279 878 R1  | GEAR, third speed (34 T)   |
| 45  | 279 879 R1  | GEAR, fifth speed (26 T)   |
| 46  | 279 880 R1  | SPACER, bevel pinion shaft   |
| 47  | 279 770 R91 | BEARING, rear bevel pinion shaft idler gear  |
| 48  | 279 898 R2  | GEAR, bevel pinion shaft idler (25T - 30T)   |
| 49  | 279 899 R1  | SPACER, bevel pinion shaft idler bearing   |
| 50  | 279 453 R91 | BEARING, front bevel pinion shaft idler  |
| 51  | 279 900 R1  | SPACER, front bevel pinion shaft bearing   |
| 52  | 271 891 R1  | SHIM, front bevel pinion shaft bearing cage (heavy) (X)  |
| 53  | 271 892 R1  | SHIM, front bevel pinion shaft bearing cage (medium) (X)   |
| 54  | 271 893 R1  | SHIM, front bevel pinion shaft bearing cage (light) (X)  |
| 55  | 271 894 R1  | SHIM, front bevel pinion shaft bearing cage (extra light) (X)  |
| 56  | 271 886 R1  | RING, bevel pinion shaft front bearing cage sealing  |
| 57  | 271 885 R2  | CAGE, front bevel pinion shaft bearing<br>1/2 x 1-3/8" hex-hd. cap SCREW (5)<br>1/2" lock WASHER (5)             |
| 58  | 271 831 R1  | LOCK, bevel pinion shaft front bearing retain-<br>er<br>3/8 x 5/8" hex-hd. cap SCREW (2)<br>3/8" lock WASHER (2) |
| 59  | 271 884 R91 | BEARING, front bevel pinion shaft (optional with 272 372 R91)  |

**TRANSMISSION**

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

FULL REVERSE TRANSMISSION - CONTINUED

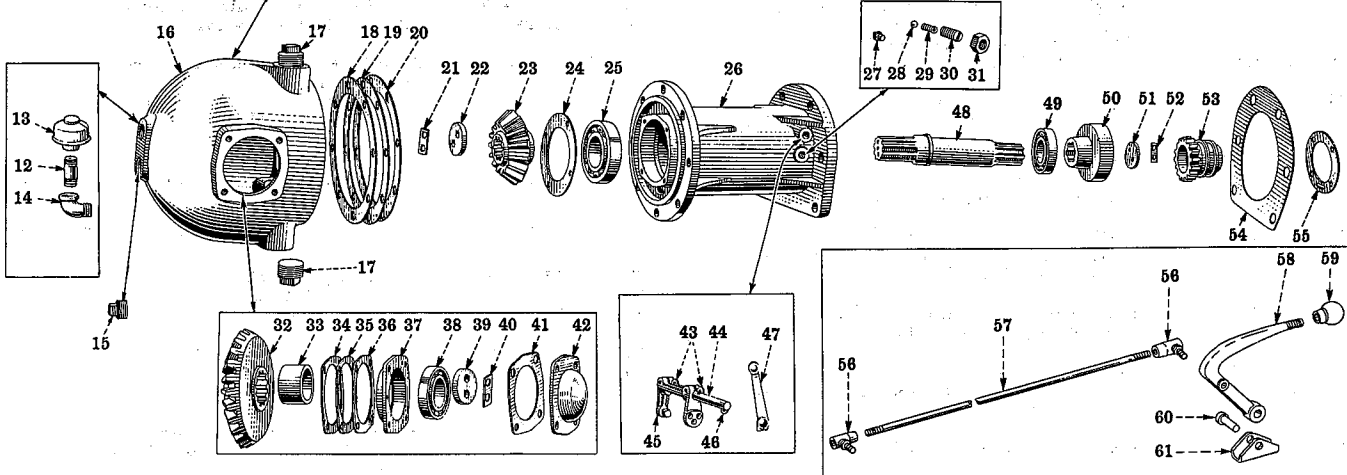
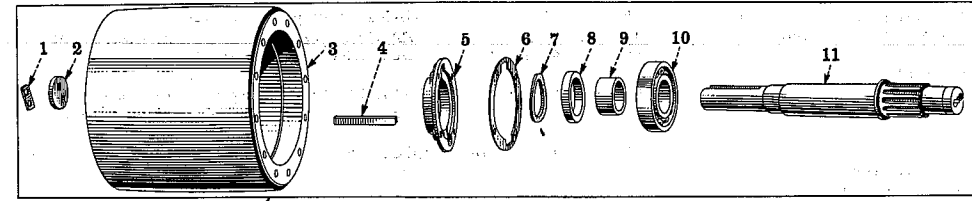
|    |             |  |
|----|-------------|--|
| 59 | 272 372 R91 | BEARING, front bevel pinion shaft (optional with 271 884 R91)  |
| 60 | 279 726 R1  | NUT, bevel pinion shaft front bearing retaining  |
| 61 | 254 693 R1  | RING, bevel pinion shaft front bearing retain-<br>er sealing   |
| 62 | 271 889 R2  | RETAINER, bevel pinion shaft front bearing   |
| 63 | 269 910 R1  | GASKET, bevel pinion shaft front bearing<br>retainer plug  |
| 64 | 269 909 R2  | PLUG, bevel pinion shaft front bearing<br>retainer   |
| 65 | 279 977 R1  | NUT, second, fourth and sixth speed idler<br>gear bearing retainer (TD-150 501 to 3500)  |
| 65 | 19 754 R1   | NUT, second, fourth and sixth speed idler<br>gear bearing retainer (TD-150-3501 to 4000)<br>(TD-151-4001 up)   |
| 66 | 321 166 R91 | BEARING, second, fourth and sixth speed<br>idler gear (TD-150-3501 to 4000) (TD-151-<br>4001 up)   |
| 67 | 279 925 R1  | GEAR, second, fourth and sixth speed idler<br>(order 320 372 R91)  |
| 67 | 320 370 R1  | GEAR, second, fourth and sixth speed idler   |
| 68 | 279 924 R1  | BOLT, second, fourth and sixth speed<br>idler shaft lock<br>7/16" lock WASHER  |
| 69 | 279 923 R1  | SHAFT, second, fourth and sixth speed idler<br>(order 320 372 R91) (TD-150-501 to 3500)  |
| 69 | 320 371 R1  | SHAFT, second, fourth and sixth speed idler<br>(TD-150-3501 to 4000) (TD-151-4001 up)  |
|    | 279 772 R91 | BEARING, rear second, fourth and sixth<br>speed idler gear (TD-150 501 to 3500)  |
|    | 279 976 R91 | BEARING, front second, fourth and sixth<br>speed idler gear (TD-150 501 to 3500)   |
|    | 322 195 R91 | GEAR w/SHAFT, 320 549 R1 and GEAR,<br>320 548 R1 bevel pinion and shaft with drive<br>bevel (matched Pair) (will work for<br>279 897 R91)  |
|    | 320 548 R1  | GEAR, bevel drive (40 T) (see final drive)<br>(TD-151-4001 up)   |
|    | 279 896 R1  | GEAR, bevel drive (45 T) (See Final Drive)<br>(TD-150-501 to 4000)   |
|    | 320 372 R91 | PACKAGE, field service, second, fourth<br>and sixth speed idler shaft gear (TD-150<br>501 to 3500)<br>(consists of -<br>1 BEARING 321 166 R91<br>1 GEAR 320 370 R1<br>1 NUT 19 754 R1<br>1 SHAFT 320 371 R1) |
|    | 279 926 R1  | SPACER, second, fourth and sixth speed idler<br>gear bearing (TD-150 501 to 3500)  |
|    | 320 385 R1  | SPACER, short intermediate shaft bearing<br>(used only with GEAR, 320 381 R1 and<br>SHAFT, 320 380 R1 and old BEARING,<br>ST 214)  |
|    | 305 946 R1  | RING, intermediate shaft idler gear bearing<br>snap (2) (TD-150 501 to 3500)   |

X - As Required

# TRANSMISSION



## BELT PULLEY



IPB-9235A

# TRANSMISSION



## BELT PULLEY - CONTINUED

| REF. NO. | I.H. PART NUMBER | DESCRIPTION  |
|----------|------------------|--|
|          | 272 412 R91      | ATTACHMENT, belt pulley (for tractors equipped with power take-off ATTACHMENT, 303 542 R91) (Consists of the following parts) (see NOTE 1 and 3) |
| 1        | 35 089 DA        | LOCK, belt pulley retainer washer bolt   |
| 2        | 45 559 D         | WASHER, belt pulley retainer<br>1/2NF x 1-1/8" hex-hd. cap SCREW (2)   |
| 3        | 264 372 R91      | PULLEY, belt (11-3/4" dia. x 11" face) (regular)   |
| 4        | Q 17             | KEY, belt pulley   |
| 5        | 6 266 D          | CAGE, belt pulley oil seal<br>3/8 x 1-1/4" hex-hd. cap SCREW (4)<br>3/8" lock WASHER (4)   |
| 6        | 45 531 D         | GASKET, belt pulley oil seal cage  |
| 7        | 45 548 D         | WASHER, belt pulley oil seal felt  |
| 8        | 45 562 D         | OIL SEAL, belt pulley  |
| 9        | 45 536 D         | SPACER, belt pulley bearing  |
| 10       | ST 221           | BEARING, belt pulley   |
| 11       | 45 553 D         | SHAFT, belt pulley   |
| 12       | 190 570          | PIPE, belt pulley breather   |
| 13       | 268 500 R91      | BREATHER   |
| 14       | 108 687          | ELBOW, belt pulley gear box breather pipe  |
| 15       | 103 870          | PLUG, pipe (standard 1")   |
| 16       | 6 270 DX         | BOX w/pipe PLUG, belt pulley gear  |
|          | 103 870          | PLUG, pipe, 1"   |
| 17       | 106 643          | PLUG, pipe, 1-1/2" (2)   |
|          | 108 687          | ELBOW, 1" x 90° mall street  |
| 18       | 45 544 D         | SHIM, belt pulley carrier (heavy)  |
| 19       | 45 545 D         | SHIM, belt pulley carrier (medium)   |

| REF. NO. | I.H. PART NUMBER | DESCRIPTION  |
|----------|------------------|--|
| 20       | 45 546 D         | SHIM, belt pulley carrier (light) (X)  |
| 21       | 35 089 DA        | LOCK, belt pulley pinion retainer washer bolt  |
| 22       | 45 559 D         | WASHER, belt pulley pinion retainer<br>1/2NF x 1-1/8" hex-hd. cap SCREW (2)  |
| 23       | 45 550 D         | PINION, belt pulley, (15 T)  |
| 23       | 258 575 R91      | PINION AND GEAR, belt pulley (matched pair) (Composed of PINION, 45 550 D and GEAR, 45 551 D)  |
| 24       | 45 535 D         | RETAINER, belt pulley pinion shaft rear bearing<br>3/8 x 3/4" hex-hd. cap SCREW (4)<br>3/8" lock WASHER (4)  |
| 25       | ST 297           | BEARING, belt pulley pinion shaft rear   |
| 26       | 6 269 DCX        | CARRIER, belt pulley<br>3/4" NUT<br>103 867 PLUG, 3/8" pipe<br>103 869 PLUG, 3/4" pipe<br>3/4 x 1-3/4" hex-hd. cap SCREW (6)<br>3/4 x 2-1/4" hex-hd. cap SCREW (8)<br>5/8 x 1-3/4" hex-hd. cap SCREW (8) |
| 27       | 49 541 DA        | PIN, belt pulley shifter (2)   |
| 28       | D 2 616          | POPPET, belt pulley shifter (1/2" steel ball) (optional with 13 722 D)   |
| 28       | 13 722 D         | POPPET, belt pulley shifter (1/2" steel ball) (optional with D-2616)   |
| 29       | 64 163 D         | SPRING, belt pulley shifter poppet   |
| 30       | 49 105 D         | BUSHING, belt pulley shifter poppet  |
| 31       |                  | 3/4" jam NUT   |

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

# TRANSMISSION

| REF. NO.                       | I. H. PART NUMBER | DESCRIPTION  |
|--------------------------------|-------------------|--|
| <b>BELT PULLEY - CONTINUED</b> |                   |  |
| 32                             | 258 575 R91       | PINION AND GEAR, belt pulley (match gear)<br>(Composed of PINION, 45 550 D and GEAR, 45 551 D) |
| 32                             | 45 551 D          | GEAR, belt pulley (24 T)   |
| 33                             | 45 534 D          | SPACER, belt pulley gear   |
| 34                             | 45 541 D          | SHIM, belt pulley gear (heavy)   |
| 35                             | 45 542 D          | SHIM, belt pulley gear (medium)  |
| 36                             | 45 543 D          | SHIM, belt pulley gear (light) (X)   |
| 37                             | 6 264 D           | CAGE, belt pulley gear bearing   |
| 38                             | ST 278            | BEARING, belt pulley gear  |
| 39                             | 45 559 D          | WASHER, belt pulley gear bearing retainer<br>1/2NF x 1-1/8" hex-hd. cap SCREW (2)              |
| 40                             | 35 089 DA         | LOCK, belt pulley gear bearing retainer<br>washer bolt   |
| 41                             | 45 547 D          | GASKET, belt pulley gear bearing cap   |
| 42                             | 6 263 D           | CAP, belt pulley gear bearing<br>1/2 x 1-1/2" hex-hd. cap SCREW (4)<br>1/2" lock WASHER (4)    |
| 43                             | 45 532 DA         | KEY, belt pulley shifter fork (2)  |
| 44                             | 61 614 D          | SHAFT, belt pulley shifter   |
| 45                             | 8 046 DA          | FORK, belt pulley shifter<br>3/8NF x 1-1/4" hex-hd. cap SCREW (2)<br>3/8" lock WASHER (2)      |
| 46                             | 45 532 DA         | KEY, belt pulley shifter lever   |
| 47                             | 272 142 R1        | LEVER, belt pulley shifter<br>3/8 x 1-1/2" hex-hd. cap SCREW<br>3/8" lock WASHER               |

# TRANSMISSION

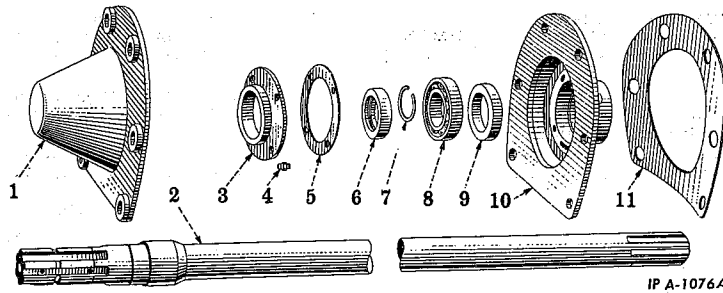
| REF. NO.                       | I. H. PART NUMBER | DESCRIPTION  |
|--------------------------------|-------------------|--|
| <b>BELT PULLEY - CONTINUED</b> |                   |  |
| 48                             | 45 555 D          | SHAFT, belt pulley pinion  |
| 49                             | ST 202            | BEARING, belt pulley pinion shaft front  |
| 50                             | 45 552 D          | COUPLING, belt pulley (16 T)   |
| 51                             | 45 560 D          | WASHER, belt pulley coupling retainer<br>3/8NF x 7/8" hex-hd. cap SCREW (2)  |
| 52                             | 45 558 DA         | LOCK, belt pulley coupling retainer washer<br>bolt   |
| 53                             | 50 614 D          | COUPLING, belt pulley shifter (16 T)   |
| 54                             | 42 289 D          | GASKET, belt pulley carrier  |
| 55                             | 45 538 DX         | RETAINER w/fork stop PIN power take-off<br>shaft bearing<br>3/8 x 3/4" hex-hd. cap SCREW (4)<br>3/8" lock WASHER (4) |
| 56                             | 442 708           | JOINT, belt pulley shifter lever rod ball (2)<br>3/8NF NUT (2)<br>3/8" lock WASHER (2)                               |
| 57                             | 272 413 R1        | ROD, belt pulley shifter lever<br>3/8" NF NUT (2)  |
| 58                             | 272 144 R1        | LEVER, belt pulley shifter hand  |
| 59                             | 264 097 R2        | BALL, belt pulley shifter hand lever   |
| 60                             | 16 811 R1         | PIN, belt pulley shifter hand lever pivot<br>1/8 x 7/8" cotter PIN   |
| 61                             | 272 141 R1        | BRACKET, belt pulley shifter hand lever<br>3/8 x 7/8" hex-hd. cap SCREW (2)<br>3/8" NUT (2)<br>3/8" lock WASHER (2)  |
| X - As Required                |                   |  |

## POWER TAKE-OFF

| REF. NO. | I. H. PART NUMBER | DESCRIPTION   |
|----------|-------------------|---|
|          | 303 542 R91       | ATTACHMENT, power take-off (Consists of the following parts) (See NOTE 1 and 3)                       |
| 1        | 6 277 D           | COVER, power take-off end (not belt pulley)<br>3/4 x 2" hex-hd. cap SCREW (6)                         |
| 2        | 303 541 R1        | SHAFT, power take-off rear  |
| 3        | 6 276 D           | CAGE, power take-off shaft outer oil seal<br>3/8 x 7/8" hex-hd. cap SCREW (4)<br>3/8" lock WASHER (4) |
| 4        | 109 461           | FITTING, power take-off shaft bearing<br>lubrication (Lincoln 5000) (optional with 138 322 H)         |
| 4        | 138 322 H         | FITTING, power take-off shaft bearing<br>lubrication (Alemite 1610 BL) (optional with 109 461)        |

## POWER TAKE-OFF - CONTINUED

| REF. NO.  | I. H. PART NUMBER | DESCRIPTION   |
|---|-------------------|---|
| 5   | 45 620 D          | GASKET, power take-off shaft bearing oil<br>seal cage |
| 6   | 45 619 D          | OIL SEAL, power take-off shaft bearing<br>outer       |
| 7   | 45 537 D          | RING, power take-off shaft bearing<br>retainer snap   |
| 8   | ST 202            | BEARING, power take-off shaft                         |
| 9   | 45 561 D          | OIL SEAL, power take-off shaft inner                  |
| 10  | 6 268 D           | CAGE, power take-off shaft bearing                    |
| 11  | 42 289 D          | GASKET, power take-off shaft bearing cage             |
| NOTE 1 - Factory Application - Order on<br>Machine Order Form.                |                   |   |
| NOTE 3 - Field Application - Order through<br>Regular Service Parts Channels. |                   |   |

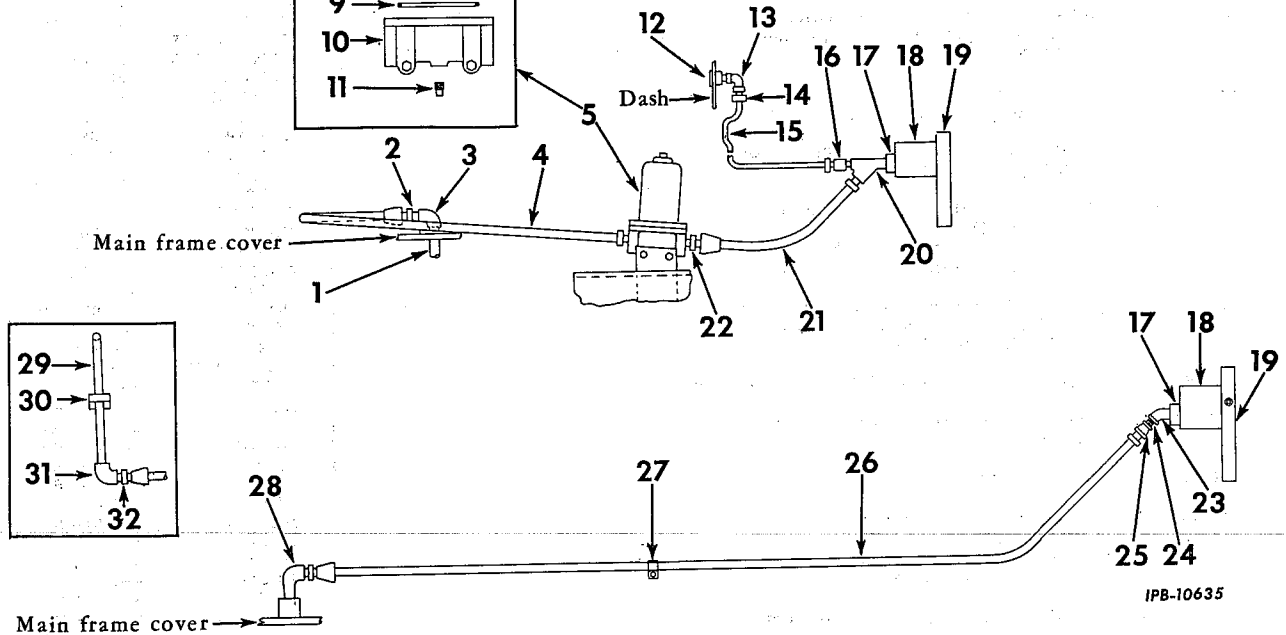
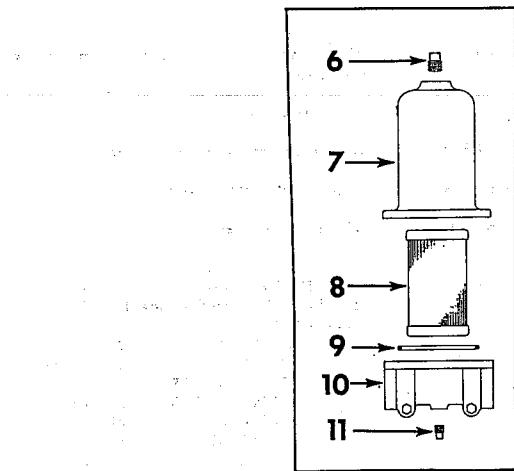




# TRANSMISSION



## TRANSMISSION OIL FILTER PIPING AND RELATED PARTS



IPB-10635

| REF. NO. | I. H. PART NUMBER | DESCRIPTION   |
|----------|-------------------|---|
| 1        | 320 441 R91       | PIPE, transmission oil suction<br>3/8 x 3/4" hex-hd. cap SCREW (2)<br>3/8" lock WASHER (2)            |
| 2        | 9 402 685         | CONNECTOR, suction pipe   |
| 3        | 119 099           | ELBOW, suction pipe (3/4 x 90°)   |
| 4        | 319 545 R91       | HOSE w/FITTINGS, suction pipe to filter<br>(HOSE, 3/4" ID x 40" long including FITTINGS)              |
| 5        | 319 511 R91       | FILTER, transmission oil<br>1/2" NUT (2)<br>1/2 x 3-1/4" hex-hd cap SCREW (2)<br>1/2" lock WASHER (2) |
| 6        | 445 686           | PLUG, 3/8" pipe   |
| 7        |                   | Not Furnished Separately  |
| 8        | 317 914 R1        | ELEMENT, filter   |
| 9        | 313 337 R1        | "O" RING, 3-1/4 x 2-1/2 x 1/8" (optional with 354 836 R1)   |
| 9        | 354 836 R1        | "O" RING, 3-1/4 x 3-1/2 x 1/8" (optional with 313 337 R1)   |
| 10       |                   | Not Furnished Separately  |
| 11       | 445 684           | PLUG, 1/8" pipe   |

# TRANSMISSION



## TRANSMISSION OIL FILTER PIPING AND RELATED PARTS - CONTINUED

| REF. NO. | I. H. PART NUMBER | DESCRIPTION  |
|----------|-------------------|--|
| 12       | 303 492 R91       | GAUGE, vacuum  |
| 13       | 67 869 D          | ELBOW, vacuum gauge  |
| 14       | 369 987 R1        | NUT, vacuum gauge pipe (2)   |
| 15       | 320 443 R1        | PIPE, vacuum gauge   |
| 16       | 29 091 D          | CONNECTOR, vacuum gauge tube   |
| 17       | 316 612 R1        | MANIFOLD, transmission oil pump<br>3/8" NUT (2)<br>3/8 x 3" hex-hd. cap SCREW (2)<br>3/8" lock WASHER (2)  |
| 18       | 360 687 R91       | PUMP ASSEMBLY, transmission oil<br>(Composed of -<br>1 BALL 16 008 R1<br>1 PLUG 361 628 R1<br>1 SEAL 353 183 R91<br>1 SPRING 361 625 R1<br>1 SPRING 361 627 R1<br>3/8 x 1-1/2" hex-hd. cap SCREW (2)<br>3/8 x 2-1/2" hex-hd. cap SCREW (2)<br>3/8" lock WASHER (4)<br>13/32 x 13/16 x .065" WASHER |

# TRANSMISSION

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

### TRANSMISSION OIL FILTER PIPES AND RELATED PARTS - CONTINUED

|    |             |   |
|----|-------------|---|
| 19 | 316 610 R1  | PLATE, transmission oil pump mounting   |
| 20 | 319 979 R1  | TEE, pump inlet   |
| 21 | 317 884 R91 | HOSE w/FITTINGS, filter to pump inlet (HOSE 3/4" ID x 46" long including FITTINGS)  |
| 22 | 9 402 685   | FITTING, 3/4" filter outlet flared  |
| 23 | 137 894     | ELBOW, pump outlet  |
| 24 | 192 074     | NIPPLE, pump outlet   |
| 25 | 128 149     | COUPLING, pump outlet reducing  |
| 26 | 321 384 R91 | HOSE w/FITTINGS, pump outlet to transmission (HOSE, 3/4" ID x 82" long including FITTINGS)  |
| 27 | 274 087 R91 | CLAMP, hose (clip return line to fuel pipe in vicinity of brake pedal bracket)  |
| 28 | 141 621     | ELBOW, 3/4 x 90° street (TD-150-3501 to 4000) (TD-151-4001 up)  |
| 29 | 318 803 R91 | PIPE, transmission oil return (TD-150 501 to 3500)<br>3/8 x 3/4" hex-hd. cap SCREW (2)<br>3/8" lock WASHER (2)  |
| 30 | 318 805 R1  | SUPPORT, return pipe (TD-150 501 to 3500)<br>1/2NF x 3/4" hex-hd. cap SCREW<br>1/2" lock WASHER   |
| 31 | 119 099     | ELBOW, oil return (TD-150 501 to 3500)  |
| 32 | 9 402 685   | CONNECTOR, return pipe (TD-150 501 to 3500)   |
|    | 16 008 R1   | BALL, 1/4"  |
|    | 64 121 D    | CLIP, vacuum gauge pipe<br>3/8" NUT<br>3/8 x 3/4" hex-hd. cap SCREW<br>3/8" lock WASHER   |
|    | 316 608 R1  | COUPLING, transmission oil pump   |
|    | 106 749     | KEY, 1/8 x 1/2" Woodruff<br>3/8NF hex. jam NUT<br>13/32 x 13/16 x .065" WASHER  |
|    | 55 780 DD   | GASKET, transmission oil pump mounting plate  |
|    | 316 609 R1  | GASKET, transmission oil pump   |
|    | 318 806 R1  | GASKET, return pipe pipe flange (TD-150 501 to 3500)  |
|    | 318 806 R1  | GASKET, suction pipe flange   |
|    | 350 706 R1  | GASKET, manifold flange rear  |
|    | 350 708 R1  | GASKET, transmission oil pump   |
|    | 106 749     | KEY, transmission oil pump drive gear (Woodruff No. 3)  |
|    | 369 987 R1  | NUT, vacuum gauge tube connector  |
|    | 305 667 R1  | "O" RING, manifold (2)  |
|    | 360 691 R91 | PACKAGE, manifold and pump "O" ring and gasket field service<br>(Consists of -<br>1 GASKET 350 706 R1<br>1 GASKET 350 708 R1<br>1 KEY 106 749<br>1 OIL SEAL 353 183 R91<br>§1 "O" RING<br>2 RING 350 667 R1<br>§2 RING<br>§2 WASHER ) |

# TRANSMISSION

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

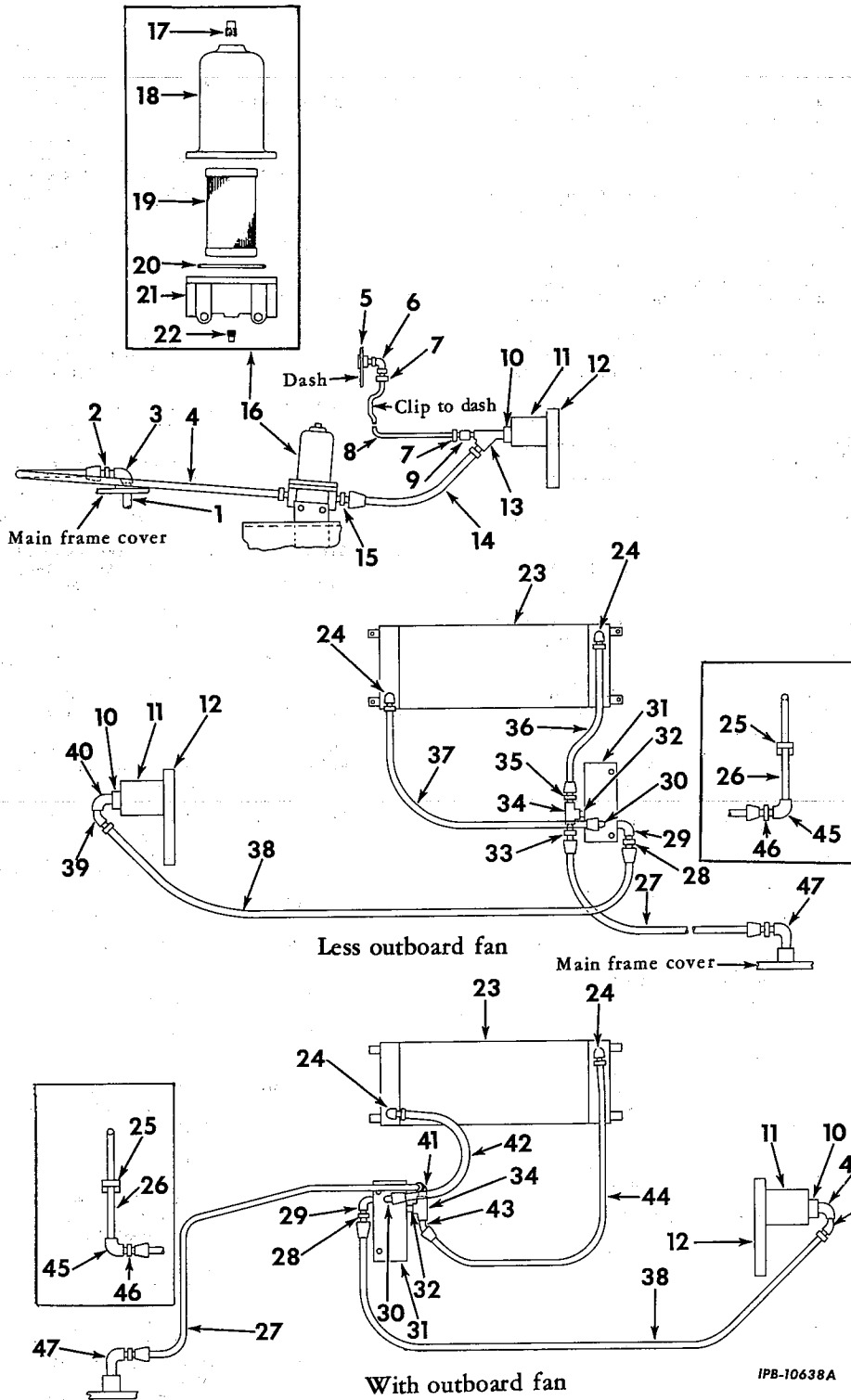
### TRANSMISSION OIL FILTER PIPES AND RELATED PARTS - CONTINUED

|             |  |
|-------------|--|
| 103 877     | PLUG, transmission oil pump mounting plate lubrication   |
| 361 628 R1  | PLUG, ball check   |
| 353 183 R91 | SEAL, transmission oil pump shaft  |
| 361 625 R1  | SPRING, bearing cover  |
| 361 627 R1  | SPRING, ball check   |
| 320 423 R91 | ATTACHMENT, transmission oil filter (TD-150 501 to 3500) (See NOTE 3)<br>(Composed of -<br>1 CLAMP 274 087 R91<br>1 CLIP 64 121 D<br>1 CONNECTOR 29 901 D<br>2 CONNECTOR 9 402 685<br>1 COUPLING 128 149<br>1 COUPLING 316 608 R1<br>1 ELBOW 67 869 D<br>1 ELBOW 137 894<br>1 ELEMENT 317 914 R1<br>1 FILTER 319 511 R91<br>2 FITTING 119 099<br>1 FITTING 9 402 685<br>1 GASKET 55 780 DD<br>1 GASKET 316 609 R1<br>2 GASKET 318 806 R1<br>1 GAUGE 303 492 R91<br>1 HOSE 317 884 R91<br>1 HOSE 321 384 R91<br>1 HOSE 319 545 R91<br>1 MANIFOLD 316 612 R1<br>1 NIPPLE 192 074<br>3 NUT 369 987 R1<br>1 "O" RING 313 337 R1<br>2 "O" RING 305 667 R1<br>1 PIPE 318 803 R91<br>1 PIPE 320 441 R91<br>1 PIPE 320 443 R1<br>1 PLATE 316 610 R1<br>1 PLUG 103 877<br>2 PLUG 445 684<br>1 PLUG 445 686<br>1 PUMP 360 687 R91<br>1 SUPPORT 318 805 R1<br>1 TEE 319 979 R1) |

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

# TRANSMISSION

## TRANSMISSION OIL COOLER



# TRANSMISSION

## TRANSMISSION OIL COOLER - CONTINUED

# TRANSMISSION

| REF. NO.  | I. H. PART NUMBER | DESCRIPTION   |
|---|-------------------|---|
| <b>TRANSMISSION OIL COOLER - CONTINUED</b>  |                   |   |
| <b>X - KEY TO UNITS</b>   |                   |   |
| A   | 316807 R91        | ATTACHMENT, transmission oil cooler (not used with outboard fan and/or radiator shutter attachments)( for machines not equipped with filter) (See NOTE 3)   |
| B   | 320 456 R91       | ATTACHMENT, transmission oil cooler (for machines equipped with outboard fan) (for machines not equipped with filter) (See NOTE 3)  |
| C   | 320 542 R91       | ATTACHMENT, transmission oil cooler (not used with outboard fan) (for machines equipped with filter) (See NOTE 1 and 3)   |
| D   | 320 543 R91       | ATTACHMENT, transmission oil cooler (for machines equipped with outboard fan) (for machines equipped with filter) (See NOTE 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   | 320 441 R91       | PIPE, transmission oil suction (Units A and B)  |
|   | 18 423 R1         | 3/8" NUT (2)<br>3/8 x 1-1/8" hex-hd. cap SCREW (2)<br>3/8" lock WASHER (2)  |
| 2   | 9 402 685         | CONNECTOR, suction pipe (Units A and B)   |
| 3   | 119 099           | ELBOW, suction pipe (3/4 x 90°) (Units A and B)   |
| 4   | 319 545 R91       | HOSE w/FITTINGS suction pipe to filter (HOSE, 3/4" ID x 40" long including FITTINGS) (Units A & B)  |
| 5   | 303 492 R91       | GAUGE, vacuum (Units A and B)   |
| 6   | 67 869 D          | ELBOW, vacuum (Units A and B)   |
| 7   | 369 987 R1        | NUT, vacuum gauge pipe (2 for Units A and B)  |
| 8   | 320 443 R1        | PIPE, vacuum gauge (Units A and B)  |
| 9   | 29 901 D          | CONNECTOR, vacuum gauge pipe (Units A and B)  |
| 10  | 316 612 R1        | MANIFOLD, oil pump (Units A and B)<br>3/8" NUT (2)<br>3/8 x 3" hex-hd. cap SCREW (2)<br>3/8" lock WASHER (2)  |
| 11  | 360 687 R91       | PUMP, transmission oil (Units A and B)<br>(Composed of -<br>1 BALL 16 008 R1<br>1 PLUG 361 628 R1<br>1 SEAL 353 183 R91<br>1 SPRING 361 625 R1<br>1 SPRING 361 627 R1<br>3/8 x 1-1/2" hex-hd. cap SCREW (2)<br>3/8 x 2-1/2" hex-hd. cap SCREW (2)<br>3/8" lock WASHER (4)<br>13/32 x 13/16 x .065" WASHER |
| 12  | 316 610 R1        | PLATE, transmission oil pump mounting (Units A and B)   |
| 13  | 319 979 R1        | TEE, pump inlet (Units A and B)   |
| 14  | 317 884 R91       | HOSE w/FITTINGS filter to pump inlet (HOSE 3/4" ID x 46" long including FITTINGS) (Units A and B)   |
| 15  | 9 402 685         | FITTING, filter outlet (Units A and B)  |
| 16  | 319 511 R91       | FILTER ASSEMBLY (Units A and B)<br>1/2" NUT (2)<br>1/2 x 3-1/4" hex-hd. cap SCREW (2)<br>1/2" lock WASHER (2)   |

# TRANSMISSION

| REF. NO.   | I. H. PART NUMBER | DESCRIPTION   |
|--|-------------------|---|
| <b>TRANSMISSION OIL COOLER - CONTINUED</b>                                 |                   |   |
| 17   | 445 686           | PLUG, 3/8" sq-hd. pipe (Units A and B)  |
| 18   |                   | Not Furnished Separately (Units A and B)  |
| 19   | 317 914 R91       | ELEMENT, filter (Units A and B)   |
| 20   | 313 337 R1        | "O" RING, 3-1/4 x 3-1/2 x 1/8" (optional with 354 836 R1) (Units A and B)   |
| 20   | 354 836 R1        | "O" RING, 3-1/4 x 3-1/2 x 1/8" (optional with 313 337 R1) (Units A and B)   |
| 21   |                   | Not Furnished Separately (Units A and B)  |
| 22   | 445 684           | PLUG, 1/8" sq-hd. pipe (2 for Units A and B)  |
| 23   | 317 933 R91       | COOLER, transmission oil<br>3/8" NUT (4)<br>3/8 x 1" hex-hd. cap SCREW (4)<br>3/8" lock WASHER (4)<br>13/32 x 13/16 x .065" WASHER (4)            |
| 24   | 108 686           | ELBOW, transmission oil cooler inlet and outlet (1/2 x 90°) (2)   |
| 25   | 318 805 R1        | SUPPORT, transmission oil return pipe (Units A and B) (TD-150 501 to 3500)<br>1/2NF x 3/4" hex-hd. cap SCREW (2)<br>1/2" lock WASHER (2)          |
| 26   | 318 803 R1        | PIPE, transmission oil return (Units A and B) (TD-150 501 to 3500)<br>NUT, 3/8" (2)<br>3/8 x 1-1/8" hex-hd. cap SCREW (2)<br>3/8" lock WASHER (2) |
| 27   | 317 889 R91       | HOSE w/FITTINGS by-pass valve to transmission return (HOSE 3/4" ID x 136" long including FITTINGS)  |
| 28   | 9 402 684         | CONNECTOR, by-pass valve inlet  |
| 29   | 108 686           | ELBOW, by-pass valve inlet (1/2 x 90°)  |
| 30   | 9 402 840         | ELBOW, by-pass valve (1/2 x 90°) (cooler inlet hose)  |
| 31   | 316 614 R1        | BODY, by-pass valve<br>3/8" NUT (2)<br>3/8 x 2-1/2" hex-hd. cap SCREW (2)<br>3/8" lock WASHER (2)   |
| 32   | 144 613           | NIPPLE, by-pass valve   |
| 33   | 9 402 685         | CONNECTOR, by-pass valve tee outlet (Units A and C)   |
| 34   | 189 775           | TEE, by-pass valve reducing   |
| 35   | 9 402 684         | CONNECTOR, by-pass valve tee (Units A and C)  |
| 36   | 317 990 R91       | HOSE w/FITTINGS, cooler outlet to by-pass valve tee (HOSE, 1/2" ID x 14.5" long including FITTINGS) (Unit A)                                      |
| 36   | 321 237 R91       | HOSE, w/FITTINGS, cooler outlet to by-pass valve tee (HOSE, 1/2" ID x 20" long including FITTINGS) (Unit C)                                       |
| 37   | 317 888 R91       | HOSE w/FITTINGS, by-pass valve to cooler inlet (HOSE, 1/2" ID x 35" long including FITTINGS) (Unit C)   |
| 37   | 317 989 R91       | HOSE w/FITTINGS, by-pass valve to cooler inlet (HOSE, 1/2" ID x 32" long including FITTINGS) (Unit A)   |
| 38   | 317 988 R91       | HOSE w/FITTINGS, pump outlet to by-pass valve (HOSE, 1/2" ID x 76" long including FITTINGS)   |
| 39   | 137 894           | ELBOW, pump outlet (1/2 x 45°) (Units A and B)  |
| 40   | 108 686           | ELBOW, pump outlet (1/2 x 90°)  |
| NOTE 1 - Factory Application - Order on Machine Order Form.                |                   |   |
| NOTE 3 - Field Application - Order through Regular Service Parts Channels. |                   |   |



**TRANSMISSION**

| REF. NO.                                   | I. H. PART NUMBER | DESCRIPTION   |
|--|-------------------|---|
| <b>TRANSMISSION OIL COOLER - CONTINUED</b> |                   |   |
| 41   | 9 402 841         | ELBOW, by-pass valve tee outlet (return hose) (Units B and D)   |
| 42   | 321 185 R91       | HOSE w/FITTINGS, by-pass valve to cooler inlet (HOSE, 1/2" ID x 18" long including FITTINGS) (Units B and D)  |
| 43   | 9 402 801         | ELBOW, by-pass valve tee (cooler outlet hose) (Units B and D)   |
| 44   | 321 238 R91       | HOSE w/FITTINGS, cooler outlet to by-pass valve tee (HOSE, 1/2" ID x 52" long including FITTINGS) (Unit D)  |
| 44   | 317 886 R91       | HOSE w/FITTINGS, cooler outlet to by-pass valve tee (HOSE, 1/2" ID x 49" long including FITTINGS) (Unit B)  |
| 45   | 119 099           | ELBOW, return pipe (3/4 x 90°) (Units A and B) (TD-150 501 to 3500)   |
| 46   | 9 402 685         | CONNECTOR, suction pipe (Units A and B) (TD-150 501 to 3500)  |
| 47   | 141 621           | ELBOW, 3/4 x 90° street (Units A and B) (TD-150-3501 to 4000) (TD-151-4001 up)  |
|  | 16 008 R1         | BALL, 1/4" (Units A and B)  |
|  | 258 333 R1        | CAP, by-pass valve  |
|  | 274 087 R91       | CLAMP, hose   |
|  | 309 929 R91       | CLAMP, return line<br>3/8" NUT<br>3/8 x 5/8" hex-hd. cap SCREW<br>3/8" external tooth lock WASHER<br>3/8" flat WASHER (Unit C)  |
|  | 64 121 D          | CLIP, vacuum line (Units A and B)<br>3/8" NUT<br>3/8 x 3/4" hex-hd. cap SCREW<br>3/8" lock WASHER   |
|  | 316 608 R1        | COUPLING, transmission oil pump (Units A and B)   |
|  | 106 749           | KEY, 1/8 x 1/2" Woodruff<br>NUT, pump shaft<br>13/32 x 13/16 x .065" WASHER   |
|  | 55 780 DD         | GASKET, transmission oil pump mounting plate (Units A and B)  |
|  | 142 756           | GASKET, by-pass valve cap (Units A and B)   |
|  | 316 609 R1        | GASKET, transmission oil pump (Units A and B)   |
|  | 318 806 R1        | GASKET, return pipe flange (Units A and B) (TD-150 501 to 3500)   |
|  | 318 806 R1        | GASKET, suction pipe flange (Units A and B)   |
|  | 350 706 R1        | GASKET, manifold flange rear  |
|  | 350 708 R1        | GASKET, transmission oil pump   |
|  | 106 749           | KEY, transmission oil pump drive gear (Woodruff No. 3)  |
|  | 350 667 R1        | "O" RING, transmission oil pump manifold (2 for Units A and B)  |
|  | 360 691 R91       | PACKAGE, manifold and pump "O" ring and gasket field service<br>(Consists of -<br>1 GASKET 350 706 R1<br>1 GASKET 350 708 R1<br>1 KEY 106 749<br>1 OIL SEAL 353 183 R91<br>§1 "O" RING 350 667 R1<br>2 RING<br>§2 RING<br>§2 WASHER ) |

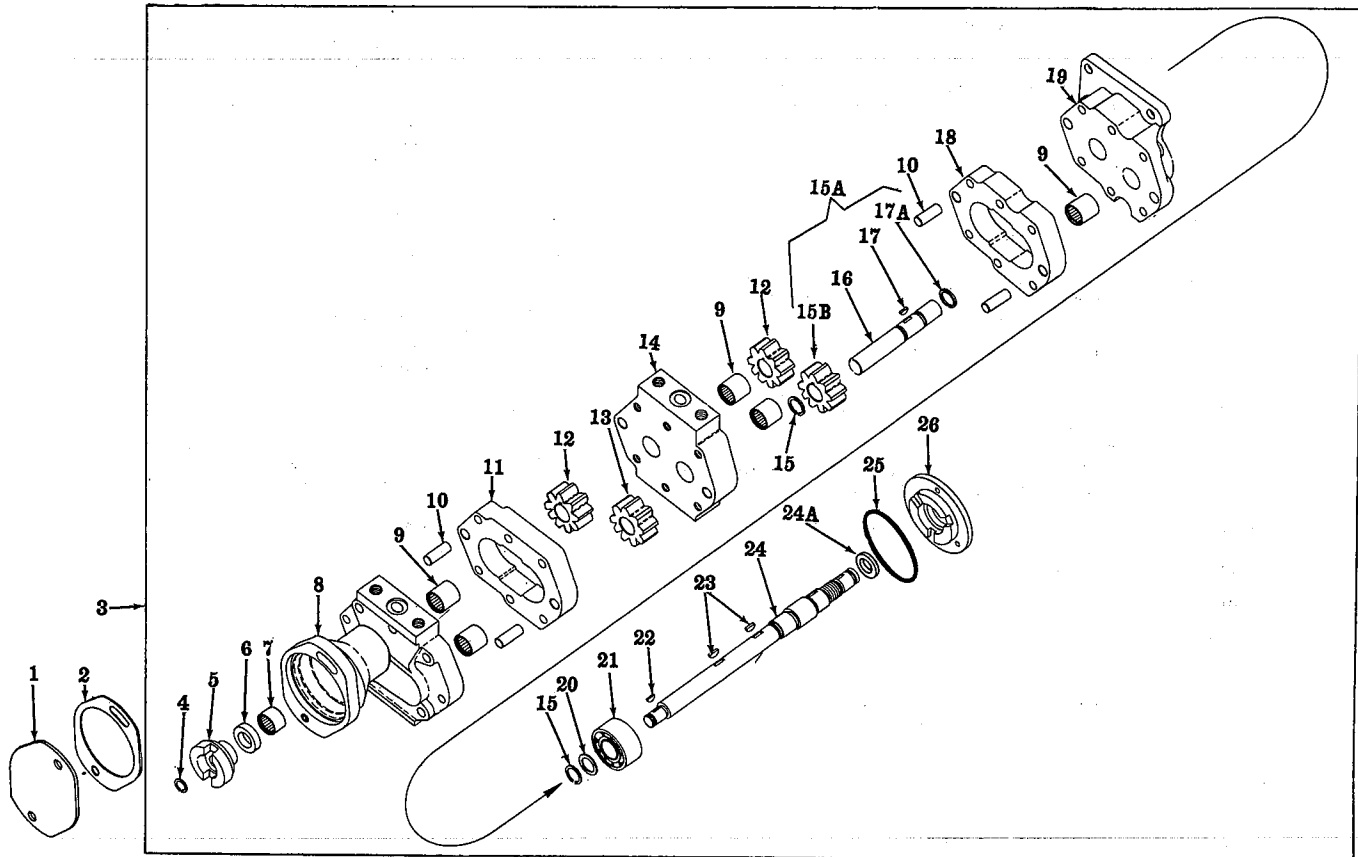


**TRANSMISSION**

| REF. NO.                                   | I. H. PART NUMBER | DESCRIPTION   |
|--|-------------------|---|
| <b>TRANSMISSION OIL COOLER - CONTINUED</b> |                   |   |
| 316 615 R1                                 |                   | PLATE, by-pass valve mounting<br>3/8" NUT (2)<br>3/8 x 1" hex-hd. cap SCREW (2)<br>3/8" lock WASHER (2)   |
| 103 877                                    |                   | PLUG, transmission oil pump mounting plate (1/8")   |
| 103 877                                    |                   | PLUG, 1/8" sq-hd. pipe (2 for Units A and B)  |
| 361 628 R1                                 |                   | PLUG, ball check (Units A and B)  |
| 353 183 R91                                |                   | SEAL, transmission oil pump shaft (Units A and B)   |
| 304 505 R1                                 |                   | SPRING, by-pass valve   |
| 361 625 R1                                 |                   | SPRING, bearing cover (Units A and B)   |
| 361 627 R1                                 |                   | SPRING, ball check (Units A and B)  |
| 320 453 R11                                |                   | SUPPORT, transmission oil cooler (Unit B)<br>3/8" NUT (4)<br>3/8 x 2" hex-hd. cap SCREW (4)<br>3/8" lock WASHER (4)<br>13/32 x 13/16" flat WASHER (4) |
| 252 846 R2                                 |                   | VALVE, by-pass  |

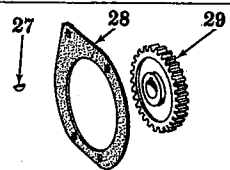
# HYDRAULIC SYSTEM

HYDRAULIC PUMP (WEBSTER) AND RELATED PARTS



# HYDRAULIC SYSTEM

HYDRAULIC PUMP (WEBSTER) AND RELATED PARTS - CONTINUED



IPA-43487A

| REF. NO. | I.H. PART NUMBER | DESCRIPTION  |
|----------|------------------|--|
| 1        | 272 497 R1       | COVER, hydraulic pump<br>3/8NF NUT<br>3/8 x 7/8" hex-hd. cap SCREW<br>3/8NF x 1-1/4" hex-hd. cap SCREW<br>3/8" lock WASHER (2) |
| 2        | 55 780 DD        | GASKET, hydraulic pump cover   |
| 3        | 304 181 R91      | PUMP ASSEMBLY, hydraulic (155-25943)<br>3/8 x 1-1/8" hex-hd. cap SCREW (4)<br>3/8" lock WASHER (4)                             |
| 4        | 276 567 R1       | RING, drive shaft rear retaining (2965013)   |
| 5        | 276 565 R1       | COUPLING (151210561)   |
| 6        | 279 013 R91      | OIL SEAL (15124414)  |
| 7        | 276 578 R91      | BEARING, needle (Torrington, B-128) (21054)  |

| REF. NO. | I.H. PART NUMBER | DESCRIPTION  |
|----------|------------------|--|
| 8        | 276 551 R91      | BODY w/two BEARING, 276 574 R91, BEARING, 276 578 R91 and two BUSHING, 309 217 R1 rear pump<br>1/4 x 2" hex-hd. cap SCREW (2)<br>5/16 x 2" hex-hd. cap SCREW (2)<br>5/16 x 2-1/4" hex-hd. cap SCREW (4)<br>1/4" lock WASHER (2)<br>5/16" lock WASHER (6) |
| 9        | 276 574 R91      | BEARING, needle (Torrington, B-1212) (30621) (5)   |
| 10       | 276 566 R1       | PIN, dowel (15121034) (4)  |
| 11       | 276 563 R1       | PLATE, top gear (151210622)  |
| 12       | 276 579 R1       | GEAR, drive (with keyway) (151219522) (3)  |
| 13       | 276 570 R1       | GEAR, idler (without keyway) (219521)  |



# HYDRAULIC SYSTEM

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

HYDRAULIC PUMP (Webster) AND RELATED PARTS - CONTINUED

|     |                        |   |
|-----|------------------------|---|
| 14  | 276 552 R92            | PLATE w/two BEARING, 276 574 R91 and two BUSHING, 309 217 R1, bearing   |
| 15  | 276 575 R1             | RING, retaining (296503) (2)  |
| 15A | 276 561 R91            | GEAR, idler, assembly (150-21960)<br>(Composed of -<br>1 GEAR 276 579 R1<br>1 KEY 427 261<br>1 RING 276 575 R1<br>1 SHAFT 276 568 R1)   |
| 15B | 276 579 R1             | GEAR, drive (21952-2)   |
| 16  | 276 568 R1             | SHAFT, idler (21058)  |
| 17  | 427 261                | KEY, Woodruff (No. 213, 1/8 x 3/8")   |
| 17A | 276 575 R1             | RING, retaining (29650-3)   |
| 18  | 276 562 R1             | PLATE, bottom gear (151210612)  |
| 19  | 276 550 R91            | BODY w/BEARING, 276 574 R91, front pump (15221958)<br>1/4 x 2" hex-soc-hd. cap SCREW<br>5/16 x 2-1/4" hex-soc-hd. cap SCREW (4)<br>1/4 x 2" hex-hd. cap SCREW<br>5/16 x 1-3/4" hex-hd. cap SCREW (2)<br>1/4" lock WASHER<br>5/16" lock WASHER (6) |
| 20  | 276 569 R1             | WASHER, retaining ring (29602132)   |
| 21  | 8 521 T                | BEARING, ball (ND-5204-LIA) (30623)   |
| 22  | 103 904                | KEY, Woodruff (No. 2, 3/32 x 1/2")  |
| 23  | 124 543                | KEY, Woodruff (No. 3, 1/8 x 1/2"), (296204) (2)   |
| 24  | 304 453 R1             | SHAFT, drive (15125944)   |
| 24A | 279 014 R91            | OIL SEAL (will work for 265 440 R91) (151-24415)  |
| 25  | 276 571 R1             | GASKET, pilot plate (used on units equipped with PLATE, 265 462 R1) (151-21053)   |
| 25  | 279 015 R1             | GASKET, pilot plate (used on units equipped with PLATE, 265 462 R2) (151-23389)   |
| 25  | 364 145 R1             | "O" RING, pilot plate (2-1/4 x 2-1/2 x 1/8") (used on units equipped with PLATE, 317 910 R1)  |
| 26  | 317 910 R1             | PLATE, pilot (together with "O" RING, 364 145 R1 will work for 265 462 R2)  |
| 27  | 124 543                | KEY, Woodruff (No. 3)   |
| 28  | 272 495 R1             | GASKET, hydraulic pump  |
| 29  | 261 202 R1<br>45 003 D | GEAR, hydraulic pump drive<br>LOCK, jam nut<br>5/8" jam NUT   |
|     | 309 217 R1             | BUSHING (151-26951) (used with 276 551 R92 and 276 552 R92) (4)   |



# HYDRAULIC SYSTEM

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

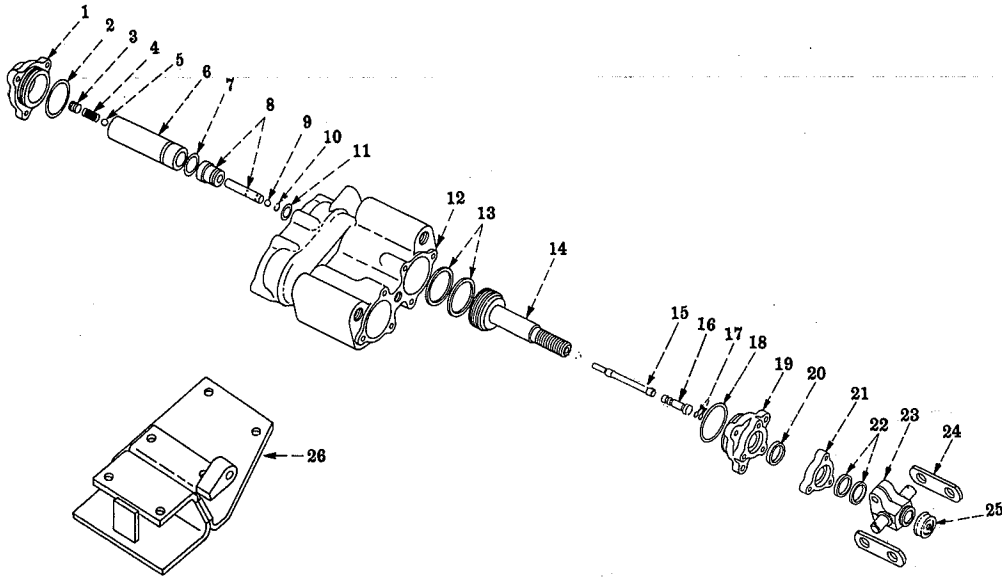
HYDRAULIC PUMP (Webster) AND RELATED PARTS - CONTINUED

|             |   |
|-------------|---|
| 276 561 R91 | GEAR ASSEMBLY, idler (15021960)<br>(Composed of -<br>1 GEAR 276 579 R1<br>1 KEY 427 261<br>1 RING 276 575 R1<br>1 SHAFT 276 568 R1) |
|-------------|---|



# HYDRAULIC SYSTEM

## HYDRAULIC BOOSTER



IPA-52131B

| REF. NO. | I. H. PART NUMBER | DESCRIPTION  |
|----------|-------------------|--|
| 1        | 272 272 R1        | HEAD, hydraulic booster cylinder (2)<br>3/8 x 1-1/8" hex-hd. cap SCREW (6)<br>3/8" lock WASHER (6) |
| 2        | 290 028 R1        | RING, hydraulic booster cylinder head sealing (2)  |
| 3        |                   | SCREW, 1/2 x 1/2" hex-soc-hd. fl-pt. set (2) (TD-150-501 to 243)                                   |
| 3        |                   | SCREW, 5/8 x 1/2" hex-soc-hd. cup-pt. set (2) (TD-150-2432 to 4000) (TD-151-4001 up)               |
| 4        | 274 906 R1        | SPRING, relief valve (2) (TD-150-501 to 2431)  |
| 4        | 311 334 R1        | SPRING, relief valve (2) (TD-150-2432 to 4000) (TD-151-4001 up)                                    |
| 5        | 16 012 R1         | BALL, relief valve (.375 dia., grade 2) (2) (TD-150-501 to 2431)                                   |
| 5        | 16 014 R1         | BALL, relief valve (.437 dia., grade 2) (2) (TD-150-2432 to 4000) (TD-151-4001 up)                 |
| 6        | 274 905 R1        | HOUSING, relief valve (order PACKAGE, 311 336 R91) (2) (TD-150-501 to 2431)                        |
| 6        | 311 335 R1        | HOUSING, relief valve (2) (TD-150-2432 to 4000) (TD-151-4001 up)                                   |
| 7        | 350 818 R1        | RING, relief valve housing sealing (2)   |
| 8        | 274 907 R92       | SLEEVE w/VALVE spool valve (matched set) (X)   |
| 9        | 16 012 R1         | BALL, spool valve (.375 dia., grade 2) (2)   |



# HYDRAULIC SYSTEM

## HYDRAULIC BOOSTER - CONTINUED

| REF. NO. | I. H. PART NUMBER | DESCRIPTION   |
|----------|-------------------|---|
| 10       | 274 902 R3        | RING, spool valve ball retainer (2)   |
| 11       | 350 684 R1        | RING, spool valve sleeve sealing (2)  |
| 12       | 272 256 R21       | HOUSING w/two PLUG, 444 691, hydraulic booster  |
|          |                   | 3/8 x 7/8" hex-hd. cap SCREW (4)  |
|          |                   | 3/8" lock WASHER (4)  |
|          | 444 691           | PLUG, 1/4, hex-soc-hd. pipe (2)   |
| 13       | 272 259 R1        | RING, hydraulic booster piston (4)  |
| 14       | 276 429 R1        | PISTON, hydraulic booster (2)   |
| 15       | 318 865 R1        | STEM, spool valve (used only with PLUNGER, 318 849 R1) (2)  |
| 16       | 277 433 R1        | PLUNGER, spool valve actuating (order PLUNGER, 318 849 R1 and STEM, 318 865 R1) (2)                 |
| 16       | 318 849 R1        | PLUNGER, spool valve actuating (together with STEM, 318 865 R1 will work for 277 433 R1) (2)        |
| 17       | 352 219 R1        | RING, spool valve actuating plunger sealing (4)   |
| 18       | 290 028 R1        | RING, hydraulic booster piston support sealing (2)  |
| 19       | 277 435 R1        | SUPPORT, hydraulic booster piston (2)<br>3/8 x 1-1/8" hex-hd. cap SCREW (6)<br>3/8" lock WASHER (6) |
| 20       | 277 183 R91       | SEAL, hydraulic booster piston rod (2)  |

X - As Required

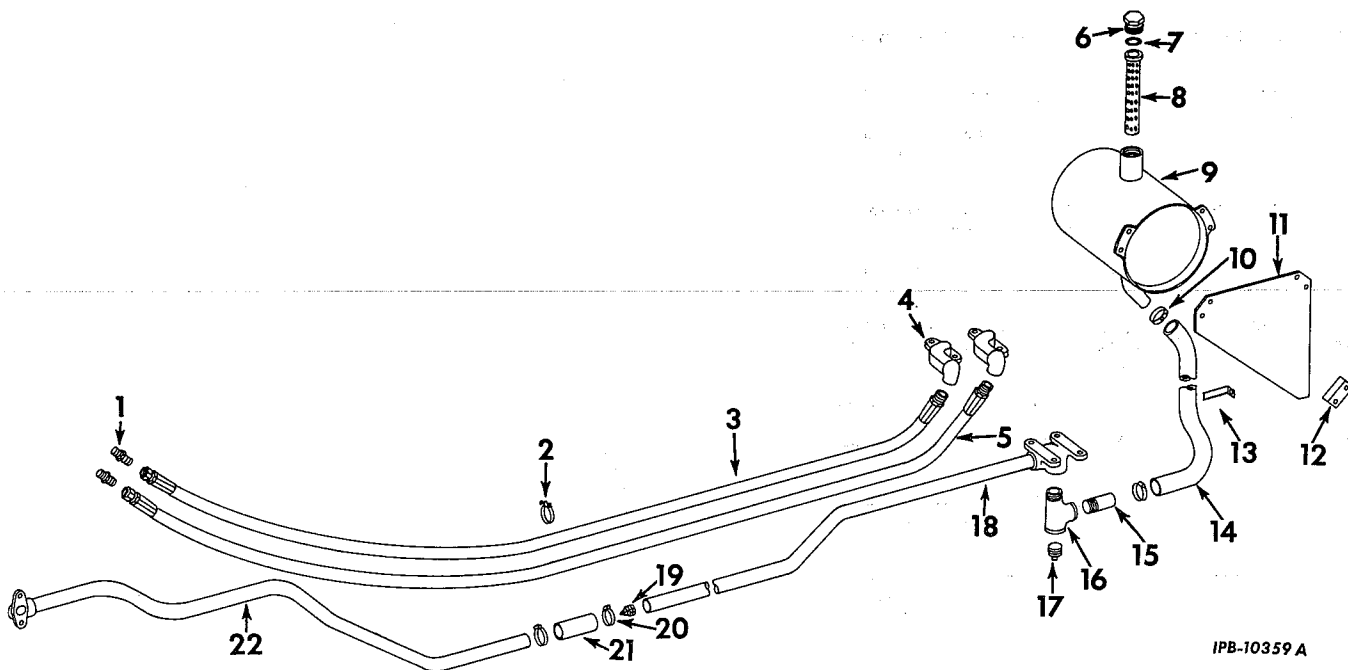




## HYDRAULIC SYSTEM

| REF. NO.                      | I. H. PART NUMBER | DESCRIPTION   |
|-------------------------------|-------------------|---|
| HYDRAULIC BOOSTER — CONTINUED |                   |   |
| 21                            | 277 436 R1        | SUPPORT, hydraulic booster piston rod wiper (2)<br>1/4 x 1-1/8" hex-hd. cap SCREW (6)<br>1/4" lock WASHER (6)   |
| 22                            | 277 181 R91       | WIPER, hydraulic booster piston rod (4)   |
| 23                            | 276 430 R2        | TRUNNION, hydraulic booster piston rod (2)<br>1/8 x 1" cotter PIN (4)<br>3/8 x 1-3/8" hex-hd. cap SCREW (2)<br>3/8" lock WASHER (2)<br>15/32 x 1-5/16 x No. 13 ga. WASHER (4) |
| 24                            | 277 434 R1        | LINK, hydraulic booster piston (4)  |
| 25                            | 277 184 R1        | BOOT, spool valve actuating plunger (2)   |
| 26                            | 272 353 R91       | SUPPORT, hydraulic booster housing<br>1/2 x 1-1/8" hex-hd. cap SCREW (6)<br>1/2" lock WASHER (6)  |

### HYDRAULIC CONTROL LINES AND CONNECTIONS



IPB-10359 A

| REF. NO. | I. H. PART NUMBER | DESCRIPTION  |
|----------|-------------------|--|
| 1        | 116 487           | ADAPTER, pump to booster pressure hose (will work for 258 859 R1) (2)  |
| 2        | 276 958 R91       | CLAMP, booster pressure hose (4)   |
| 3        | 258 860 R93       | HOSE w/FITTING, 319 752 R91 and FITTING, 319 768 R91, pump to right side of booster pressure (HOSE, 1/2" ID x 82" long including FITTINGS)<br>HOSE w/o FITTINGS, cut length 1/2" ID x 78-1/2" long cut from bulk Hose No. 319 709 R1 |



## HYDRAULIC SYSTEM

| REF. NO.                      | I. H. PART NUMBER  | DESCRIPTION  |
|-------------------------------|--|--------------|
| HYDRAULIC BOOSTER — CONTINUED |  |              |
| 277 438 R91                   | PACKAGE, hydraulic booster seals field service<br>(Composed of -             |              |
|                               | 2 BOOT   | 277 184 R1   |
|                               | 2 GASKET   | 277 450 R1   |
|                               | 2 RING   | 272 293 R1   |
|                               | 4 RING   | 290 028 R1   |
|                               | 4 RING   | 350 429 R1   |
|                               | 2 RING   | 350 684 R1   |
|                               | 2 RING   | 350 818 R1   |
|                               | 4 RING   | 352 219 R1   |
|                               | 2 SEAL   | 277 183 R1   |
|                               | 4 WIPER  | 277 181 R91) |
| 311 336 R91                   | PACKAGE, relief valve housing service (TD-150-501 to 2431)<br>(Composed of - |              |
|                               | 1 BALL   | 16 014 R1    |
|                               | 1 HOUSING  | 311 335 R1   |
|                               | 1 SCREW  |              |
|                               | 1 SPRING   | 311 334 R1)  |

### HYDRAULIC CONTROL LINES AND CONNECTIONS — CONTINUED

| REF. NO. | I. H. PART NUMBER | DESCRIPTION   |
|----------|-------------------|---|
| 4        | 276 622 R1        | FLANGE, pressure hose manifold (2)<br>3/8 x 7/8" hex-hd cap SCREW (4)<br>3/8" lock WASHER (4)   |
| 5        | 277 058 R93       | HOSE w/FITTING, 319 752 R91 and FITTING, 319 668 R91, pump to left side of booster pressure (HOSE, 1/2" ID x 86" long including FITTINGS)<br>HOSE w/o FITTINGS, cut length 1/2" ID x 82-1/2" long cut from bulk Hose No. 319 709 R1 |

# HYDRAULIC SYSTEM

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

HYDRAULIC CONTROL LINES AND CONNECTIONS - CONTINUED

|    |             |  |
|----|-------------|--|
| 6  | 275 021 R1  | PLUG, reservoir tank filler neck   |
| 7  | 275 022 R1  | GASKET, reservoir tank filler neck plug  |
| 8  | 274 214 R11 | SCREEN, reservoir tank filter  |
| 9  | 322 022 R91 | TANK ASSEMBLY, reservoir (TD-151-4001 up)<br>(Composed of -<br>1 GASKET 275 022 R1<br>1 PLUG 143 162<br>1 PLUG 275 021 R1<br>1 SCREEN 274 214 R11 )<br>3/8 x 1-1/4" hex-hd cap SCREW (2)<br>3/8" lock WASHER (2)                     |
| 9  | 304 280 R91 | TANK ASSEMBLY, reservoir (TD-150-501 to 4000)<br>(Composed of -<br>1 GASKET 275 022 R1<br>1 PLUG 143 162<br>1 PLUG 275 021 R1<br>1 SCREEN 274 214 R11 )<br>3/8" NUT (4)<br>3/8 x 1-1/4" hex-hd cap SCREW (4)<br>3/8" lock WASHER (4) |
| 10 | 274 086 R91 | CLAMP, reservoir to pump hose (2)  |
| 11 | 304 224 R11 | BRACKET, reservoir tank (TD-150-501 to 4000)<br>3/8 x 2-1/4" hex-hd cap SCREW (2)<br>3/8" lock WASHER (2)  |
| 12 | 304 289 R1  | SPACER, hydraulic reservoir tank bracket (TD-150-501 to 4000)  |
| 13 | 306 874 R1  | CLIP, reservoir to pump hose   |
| 14 | 322 052 R1  | HOSE, reservoir to pump (TD-151-4001 up)   |
| 14 | 304 242 R1  | HOSE, reservoir to pump (TD-150-501 to 4000)   |
| 15 | 67 540 D    | NIPPLE, pump flange to reservoir hose  |
| 16 | 304 142 R1  | TEE, 3/4" pump flange to reservoir hose pipe   |
| 17 | 58 997 DB   | PLUG, 3/4" sq-hd hydraulic line drain pipe (magnetic) (will work for 103 869)  |
| 18 | 304 283 R11 | TUBE, booster to pump front suction<br>3/8 x 7/8" hex-hd cap SCREW (4)<br>3/8" lock WASHER (4)   |
| 19 | 277 282 R91 | FILTER, booster to pump suction tube   |
| 20 | 274 086 R91 | CLAMP, reservoir to pump suction tube coupling hose (2)  |
| 21 | 274 221 R1  | HOSE, booster to pump suction tube coupling  |
| 22 | 304 286 R11 | TUBE, booster to pump rear suction<br>3/8 x 1-1/4" hex-hd cap SCREW (2)<br>3/8" lock WASHER (2)  |
|    | 266 265 R3  | BRACE, hydraulic reservoir tank (TD-151-4001 up)<br>3/8" NUT<br>3/8 x 5/8" hex-hd cap SCREW<br>3/8" lock WASHER (2)<br>13/32 x 13/16 x 16 ga WASHER  |

# HYDRAULIC SYSTEM

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

HYDRAULIC CONTROL LINES AND CONNECTIONS - CONTINUED

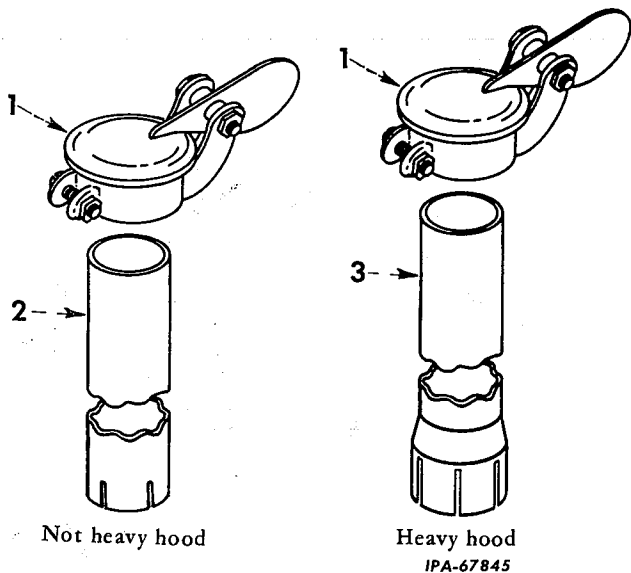
|  |             |   |
|--|-------------|---|
|  | 319 752 R91 | FITTING, male pipe hose (2)   |
|  | 319 768 R91 | FITTING, swivel hose (2)  |
|  | 319 709 R1  | HOSE, 1/2" ID bulk (X)  |
|  | 276 652 R1  | PAD, booster pressure hose clamp (3)                                      |
|  | 322 471 R1  | PAD, hose clip  |
|  | 143 162     | PLUG, 3/8" sq-soc reservoir tank tapping block pipe                       |
|  | 369 908 R1  | RING, hydraulic booster to reservoir return tube flange sealing           |
|  | 350 429 R1  | RING, pump to left side of booster pressure hose manifold flange sealing  |
|  | 350 429 R1  | RING, reservoir to pump suction tube manifold flange sealing (2)          |
|  | 350 429 R1  | RING, pump to right side of booster pressure hose manifold flange sealing |
|  | 600 192 R1  | SPACER, hydraulic reservoir tank  |

(X) - Order cut length required.

## MISCELLANEOUS EQUIPMENT

### ATTACHMENTS

#### EXHAUST RAIN CAP



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

(X) - KEY TO UNITS -

|   |             |  |
|---|-------------|--|
| A | 307 663 R91 | ATTACHMENT, exhaust rain cap (not for use with Heavy Hood or Altitude Compensation Attachments) (See NOTES 1 and 3)  |
| B | 320 351 R91 | ATTACHMENT, exhaust rain cap (for use with Heavy Hood Attachment) (not for use with Altitude Compensation Attachment) (See NOTE 3)   |
| C | 277 289 R91 | ATTACHMENT, exhaust rain cap (not for use with Heavy Hood Attachment) (for use with Altitude Compensation Attachment) (TD-15 (150 Series) (See NOTE 3) (TD-15 (151 Series) (See NOTES 1 and 3) |
| D | 320 534 R91 | ATTACHMENT, exhaust rain cap (for use with Heavy Hood and Altitude Compensation Attachments) (TD-15 (150 Series) (See NOTE 3) (TD-15 (151 Series) (See NOTES 1 and 3)                          |

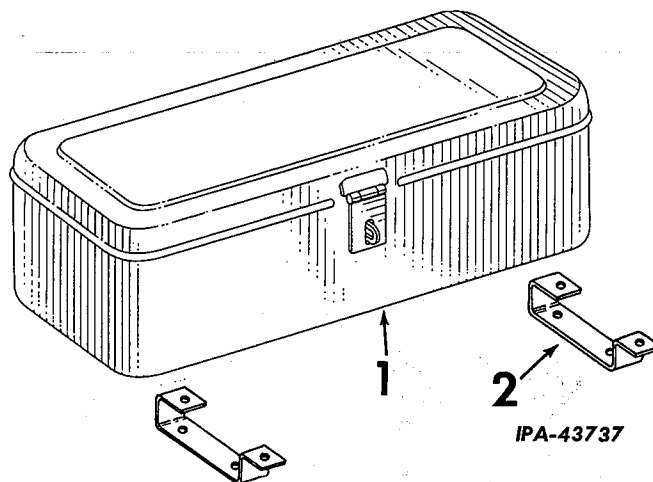
(X) - Letters of these units correspond with those shown following the description of the parts in the list below and identifies the unit for which the part is used. Items without letters after the description indicates the part is used for all units.

|   |             |                                    |
|---|-------------|------------------------------------|
| 1 | 281 182 R91 | CAP, exhaust rain (Units A and B)  |
| 1 | 283 001 R91 | CAP, exhaust rain (Units C and D)  |
| 2 | 307 664 R1  | PIPE, exhaust extension (Unit A)   |
| 2 | 283 000 R1  | PIPE, exhaust extension (Unit C)   |
| 3 | 318 995 R1  | PIPE, exhaust extension (Unit B)   |
| 3 | 320 570 R1  | PIPE, exhaust extension (Unit D)   |
|   | 311 468 R11 | CLAMP, exhaust pipe (2 for Unit B) |

## MISCELLANEOUS EQUIPMENT

### ATTACHMENTS

#### TOOL BOX



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

(X) KEY TO UNITS -

|     |             |  |
|-----|-------------|--|
| A - | 307 210 R91 | ATTACHMENT, 21" tool box (less lock and keys) (will work for 264 473 R91) (see NOTE 1 and 3) |
| B - |             | Parts for 21" tool box w/LOCK and KEYS (see NOTE 1)  |

(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 on all units.

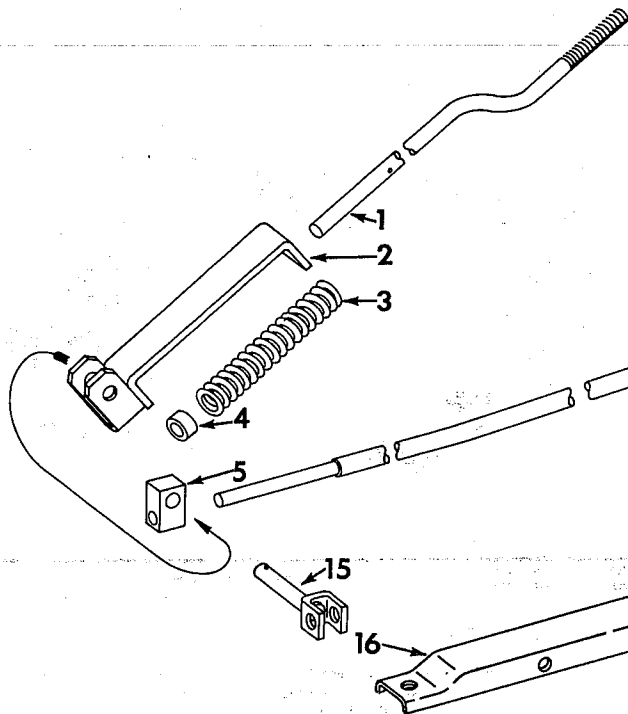
|   |             |   |
|---|-------------|---|
| 1 | 280 655 R91 | BOX, tool, 21"<br>3/8" NUT (4)<br>3/8 x 3/4" hex-hd. cap SCREW (4)<br>3/8" lock WASHER (4)                  |
| 2 | 283 286 R1  | BRACKET, tool box support (2)<br>3/8" NUT (4)<br>3/8 x 1-1/4" hex-hd. cap SCREW (4)<br>3/8" lock WASHER (4) |
|   | 276 678 R91 | PADLOCK w/KEYS (Unit B)   |

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

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

**MISCELLANEOUS EQUIPMENT**

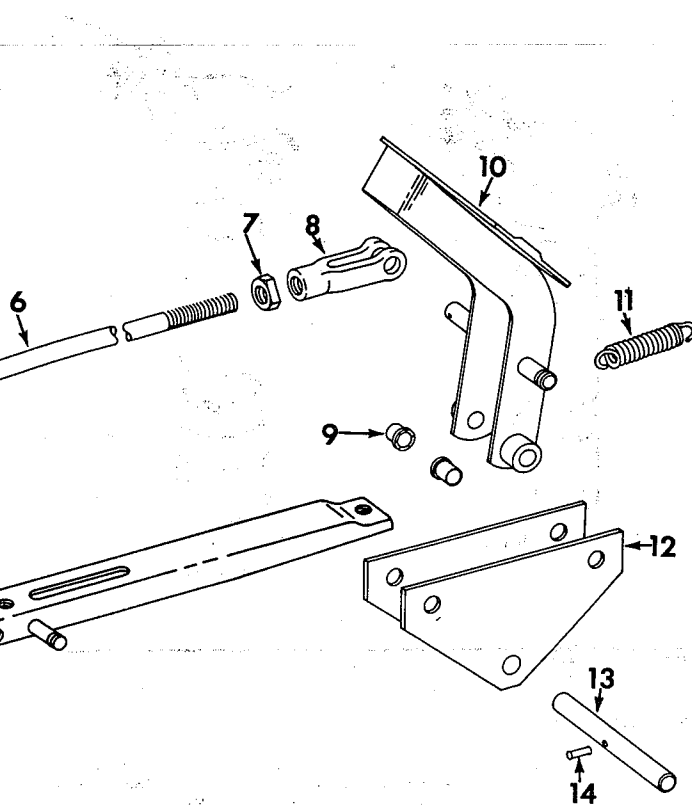
ATTACHMENTS  
DECELERATOR



IPB-10319

**MISCELLANEOUS EQUIPMENT**

ATTACHMENTS  
DECELERATOR - Continued



| REF. NO.  | I. H. PART NUMBER | DESCRIPTION   |
|---|-------------------|---|
| (X) - KEY TO UNITS -  |                   |   |
| A -   | 304 651 R91       | ATTACHMENT, decelerator (See NOTE 3)  |
| B -   | 307 365 R91       | ATTACHMENT, decelerator (for use with rigid track loader equipment combination TD-15-420-2 only) (See NOTE 1 and 3)     |
| C -   |                   | Service Parts for Decelerator (For use with Equipment Combinations TD-15-500-2, TD-15-502-1, TD-15-504-2 and TD-15-600) |
| (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   | 304 653 R1        | ROD, governor control   |
| 2   | 304 654 R91       | TRUNNION, governor control rod and spring support<br>1/8 x 7/8" b-hd. small solid RIVET                                 |
| 3   | 304 505 R1        | SPRING, governor control  |
| 4   | 304 506 R1        | STOP, governor control rod spring   |
| 5   | 269 733 R1        | TRUNNION, decelerator control rod<br>13/32 x 13/16 x 16 ga. plain WASHER  |

| REF. NO.   | I. H. PART NUMBER | DESCRIPTION  |
|--|-------------------|--|
| 6  | 304 659 R1        | ROD, decelerator control   |
| 7  |                   | NUT, 7/16NF jam<br>3/32 x 3/4" cotter PIN (2)  |
| 8  | 116 537           | CLEVIS, adjusting, decelerator control rod   |
| 9  | 277 749 R1        | BUSHING, decelerator pedal pivot hub (2)   |
| 10   | 304 660 R92       | PEDAL, decelerator   |
| 11   | 304 522 R1        | SPRING, decelerator pedal return   |
| 12   | 304 516 R91       | SUPPORT, decelerator pedal pivot hub (Units A and C)   |
| 12   | 307 366 R91       | SUPPORT, decelerator pedal pivot hub (Unit B)  |
|  |                   | 3/8" NUT (4 for Unit A and C)<br>3/8 x 3/4" hex-hd cap SCREW (4 for Units A and C)<br>3/8" lock WASHER (4 for Units A and C) |
| 13   | 304 521 R1        | SHAFT, decelerator pedal pivot<br>3/32 x 3/4" cotter PIN (2)<br>17/32 x 1-1/16 x 13 ga. plain WASHER (2)                     |
| 14   | 17 054 R1         | PIN, decelerator pedal retainer (Unit A and C)   |
| NOTE 1 - Factory Application - Order on Machine Order Form.                |                   |  |
| NOTE 3 - Field Application - Order through Regular Service Parts Channels. |                   |  |



MISCELLANEOUS EQUIPMENT

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

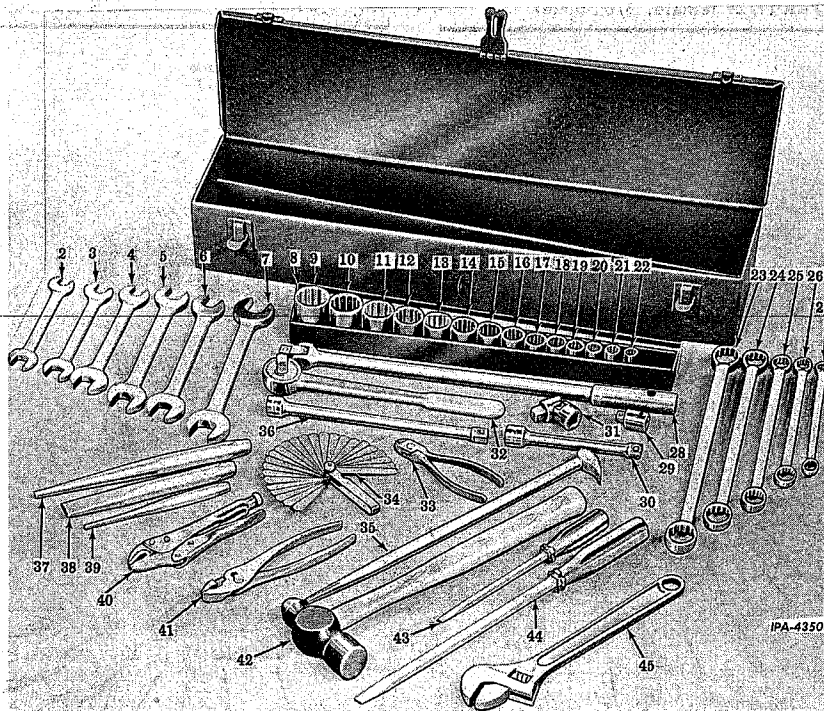
ATTACHMENTS

DECELERATOR - Continued

|            |             |   |
|------------|-------------|---|
| 15         | 304 657 R91 | TRUNNION, governor control rod  |
| 16         | 304 661 R91 | SUPPORT, LH (Unit A and C)<br>3/8" hex. NUT (2)<br>3/8 x 1" hex-hd cap SCREW<br>3/8 x 1-1/8" hex-hd cap SCREW<br>13/32 x 13/16 x 16 ga plain WASHER<br>3/8" lock WASHER (2) |
| 307 370 R1 |             | PLATFORM, LH (Unit B)   |
| 307 371 R1 |             | PLATFORM, center (Unit B)   |
| 304 662 R1 |             | PLATFORM, LH (Unit C)<br>3/8 x 7/8" hex-hd cap SCREW (2)<br>3/8" lock WASHER (2)<br>13/32 x 13/16 x 16 ga plain WASHER  |

TOOL KIT

(Owatonna Tool Co.)



| REF. NO. | OWATONNA TOOL CO. NUMBER | DESCRIPTION |
|----------|--------------------------|-------------|
|----------|--------------------------|-------------|

TOOL KIT (IH Part Number, 276 821 R91)  
(Consists of forty-three tools and tool box)  
(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") |



MISCELLANEOUS EQUIPMENT

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

ATTACHMENTS

DECELERATOR - Continued

|             |  |  |
|-------------|--|--|
| 304 663 R1  |  | PLATFORM, center (Unit C)<br>3/8 x 7/8" hex-hd cap SCREW (2)<br>3/8" lock WASHER (2)<br>13/32 x 13/16 x 16 ga plain WASHER (2)                           |
| 304 652 R91 |  | ROD ASSEMBLY, governor control and trunnion<br>(Composed of -<br>1 ROD 304 653 R1<br>1 SPRING 304 505 R1<br>1 STOP 304 506 R1<br>1 TRUNNION 304 654 R91) |
| 304 657 R91 |  | TRUNNION, governor control rod (Units A and C)   |

TOOL KIT - CONTINUED

(Owatonna Tool Co.)

| REF. NO. | OWATONNA TOOL CO. NUMBER | DESCRIPTION |
|----------|--------------------------|-------------|
|----------|--------------------------|-------------|

|   |        |                            |
|---|--------|----------------------------|
| 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")   |

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



### MISCELLANEOUS EQUIPMENT

| REF. NO. | OWATONNA TOOL CO. NUMBER | DESCRIPTION |
|----------|--------------------------|-------------|
|----------|--------------------------|-------------|

#### TOOL KIT - CONTINUED (Owatonna Tool Co.)

|    |        |                                  |
|----|--------|----------------------------------|
| 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 7/8")       |
| 25 | B-2024 | WRENCH, box (5/8 x 3/4")         |
| 26 | B-1820 | WRENCH, box (9/16 x 5/8")        |
| 27 | B-1416 | WRENCH, box (7/16 x 1/2")        |
| 28 | H-177  | HANDLE, flex                     |
| 29 | D-1612 | ADAPTER (1/2" female, 3/8" male) |

#### TOOL KIT (Owatonna Tool Co.)



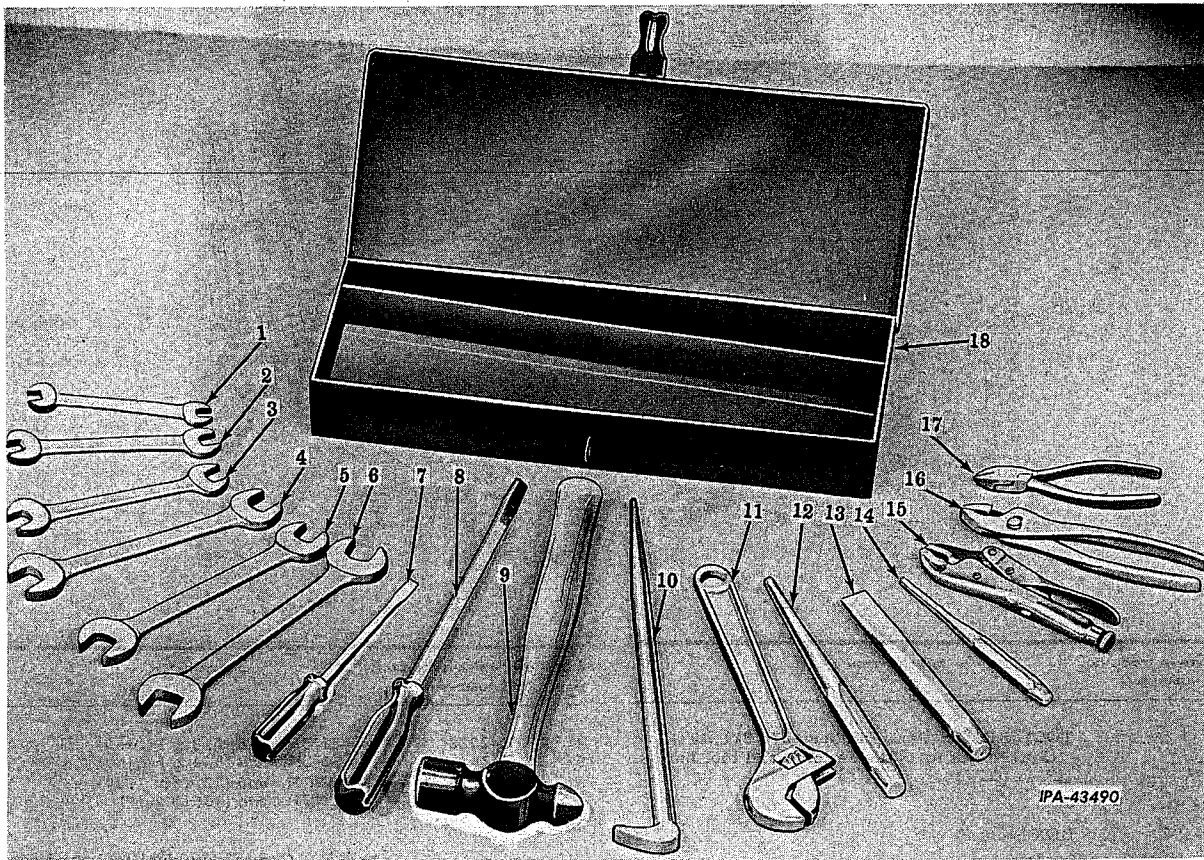
### MISCELLANEOUS EQUIPMENT

| REF. NO. | OWATONNA TOOL CO. NUMBER | DESCRIPTION |
|----------|--------------------------|-------------|
|----------|--------------------------|-------------|

#### TOOL KIT - CONTINUED (Owatonna Tool Co.)

|    |        |                                 |
|----|--------|---------------------------------|
| 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" long)     |
| 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)         |

#### TOOL KIT - CONTINUED (Owatonna Tool Co.)





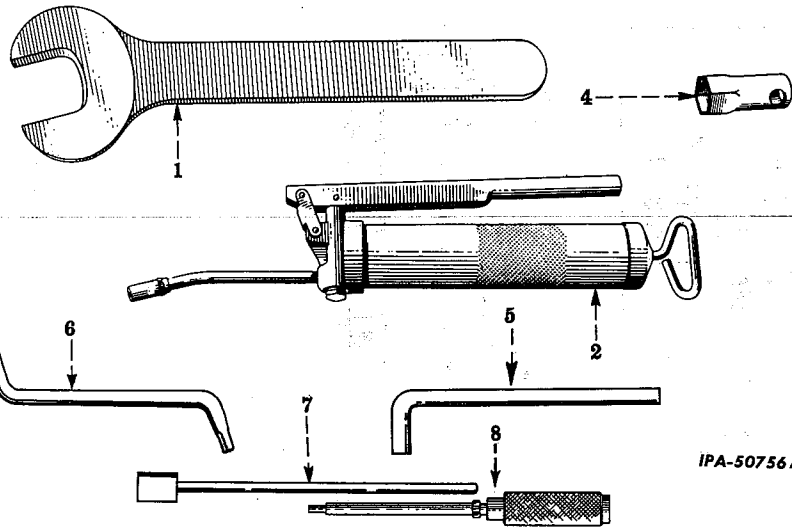
MISCELLANEOUS EQUIPMENT

| REF. NO. | OWATONNA TOOL CO. NUMBER | DESCRIPTION |
|----------|--------------------------|-------------|
|----------|--------------------------|-------------|

TOOL KIT - CONTINUED  
(Owatonna Tool Co.)

|   |        |  |
|---|--------|--|
|   |        | TOOL KIT (IH Part Number, 276 820 R91)<br>(Consists of seventeen tools and tool box)<br>(See NOTE) |
| 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)   |

TOOLS



IPA-50756 A

| REF. NO. | I. H. PART NUMBER | DESCRIPTION   |
|----------|-------------------|---|
| 1        | 9 534 DA          | WRENCH, front idler adjuster (TD-150 501 to 4000) (TD-151 4001 to 4665) |
| 2        | 999 677 R91       | GUN, lubrication, 15 oz. (will work for 264 289 R91)(Lincoln 1169)      |
| 4        | 46 190 DC         | WRENCH, spark plug (7/8")   |
| 5        | 57 025 D          | HANDLE, spark plug wrench   |
| 6        | 304 910 R2        | WRENCH, sprocket plug (not part of tool set, 304 247 R91)               |
| 7        | 305 537 R91       | NOZZEL, assembly, track roller lubricator TD-150-501 to 1721            |
| 8        | 302 085 R91       | ADAPTER, hydraulic lubricating  |



MISCELLANEOUS EQUIPMENT

| REF. NO. | OWATONNA TOOL CO. NUMBER | DESCRIPTION |
|----------|--------------------------|-------------|
|----------|--------------------------|-------------|

TOOL KIT - CONTINUED  
(Owatonna Tool Co.)

|    |       |                                |
|----|-------|--------------------------------|
| 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)    |
| 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

TOOLS - CONTINUED

| REF. NO.    | I. H. PART NUMBER | DESCRIPTION                     |
|-------------|-------------------|---------------------------------|
| 271 406 R91 |                   | CAN, oil, pressure              |
| 271 407 R91 |                   | EXTENSION, flexible, grease gun |



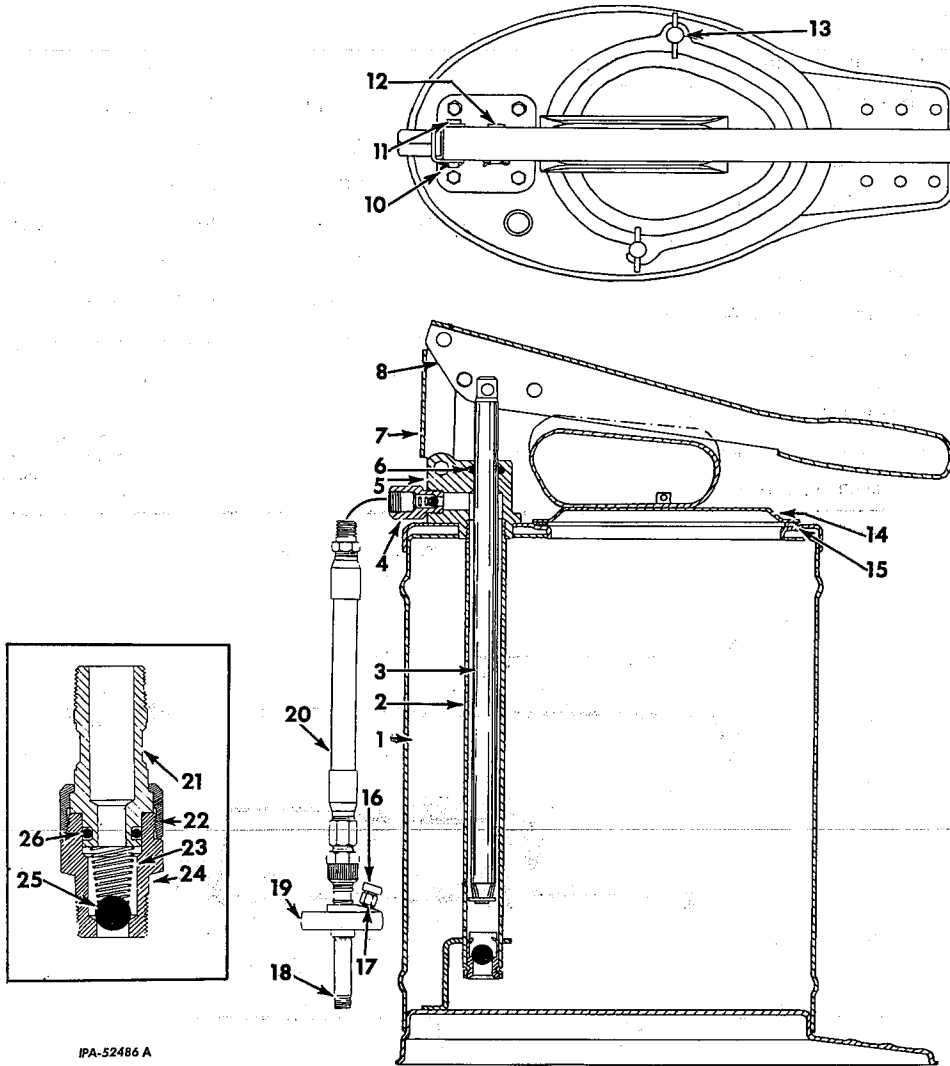
MISCELLANEOUS EQUIPMENT

LUBRICATOR, 262 532 R92  
(Tank Type)(Stewart-Warner) TD-150-501 to 1721



MISCELLANEOUS EQUIPMENT

LUBRICATOR, 262 532 R92 - CONTINUED  
(Tank Type) (Stewart-Warner) TD-150-501 to 1721



IPA-52486 A

| REF. NO. | I. H. PART NUMBER | DESCRIPTION   |
|----------|-------------------|---|
|          | 262 532 R92       | LUBRICATOR w/HOSE and SWIVEL ASSEMBLY (order LUBRICATOR 310 533 R91, together with NOZZLE (1/4" pipe nipple type) 321 268 R91 or NOZZLE (1/8" pipe nipple type) 321 269 R91 as required) (consists of the following parts - |
| 1        | 278 931 R91       | SHELL (G-322100-1)  |
| 2        | 278 932 R91       | VALVE and TUBE, foot (G-322923)   |
| 3        | 278 933 R91       | ROD and WASHER (G-322926)   |
| 4        | 278 937 R91       | VALVE, check (G-322934)   |
| 5        | 278 934 R1        | BODY, pump (322115-2)<br>1/4 x 1/2" hex-hd. cap SCREW (4)   |
| 6        | 278 935 R1        | RING, 3/4 x 1 x 1/8" quad (171008-15)   |

| REF. NO. | I. H. PART NUMBER | DESCRIPTION                       |
|----------|-------------------|-----------------------------------|
| 7        | 278 936 R1        | LINK, lever (322092-2)            |
| 8        | 278 938 R1        | LEVER (322932)                    |
| 10       |                   | PIN, 3/32 x 5/8" cotter (3)       |
| 11       | 278 939 R1        | PIN (1-7/16" long) (322109-2) (2) |
| 12       | 278 940 R1        | PIN (1-3/16" long) (322109-1)     |
| 13       | 278 946 R1        | SCREW, wing (G-322116) (2)        |
| 14       | 278 945 R91       | COVER (G-322110-2)                |
| 15       | 278 944 R1        | GASKET (50784)                    |
| 16       |                   | Not Used                          |
| 17       |                   | Not Used                          |
| 18       | 219 620           | NIPPLE, 1/8 x 3" pipe             |
| 19       | 278 949 R1        | HANDLE (322938)                   |





## MISCELLANEOUS EQUIPMENT

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

LUBRICATOR 262 532 R92 - CONTINUED  
(Tank Type) (Stewart-Warner) TD-150-501 to 1721

|              |             |  |
|--------------|-------------|--|
| 20           | 278 947 R91 | HOSE (3 ft. long) (317854-3)   |
| 21           | 278 950 R1  | STUD, swivel (322305)  |
| 22           | 278 951 R1  | NUT, swivel (40904)  |
| 23           | 306 164 R1  | SPRING (322929)  |
| 24           | 306 163 R1  | ADAPTER, hose (322940)   |
| 25           | 16 010 R1   | BALL (Chrome Grade #2) (322942)  |
| 26           | 252 738 R1  | "O" RING (3/8 x 9/16 x 3/32") (171001-8)   |
|              | 278 943 R1  | BUSHING (A-112)  |
| 1 001 029 R1 |             | DECAL, IH  |
|              | 278 942 R1  | PLUG (322936)  |
| 307 821 R91  |             | LUBRICATOR ASSEMBLY, less HOSE and SWIVEL (G-322920) (order LUBRICATOR, 310 533 R91 together with (*))<br>(Composed of - |
|              | 1           | BODY 278 934 R1  |
|              | 1           | COVER 278 945 R91  |
|              | 1           | DECAL 1 001 029 R1   |
|              | 1           | GASKET 278 944 R1  |
|              | 1           | LEVER 278 938 R1   |
|              | 1           | LINK 278 936 R1  |
|              | 2           | PIN 278 939 R1   |
|              | 1           | PIN 278 940 R1   |
|              | 1           | RING 278 935 R1  |
|              | 1           | ROD and WASHER 278 933 R91   |
|              | 2           | SCREW 278 946 R1   |
|              | 1           | SHELL 278 931 R91  |
|              | 1           | VALVE 278 937 R91  |
|              | 1           | VALVE and TUBE 278 932 R91   |

(\* ) - NOZZLE (1/4" pipe nipple type)  
321 268 R91 or NOZZLE (1/8" pipe  
nipple type) 321 269 R91 as required.



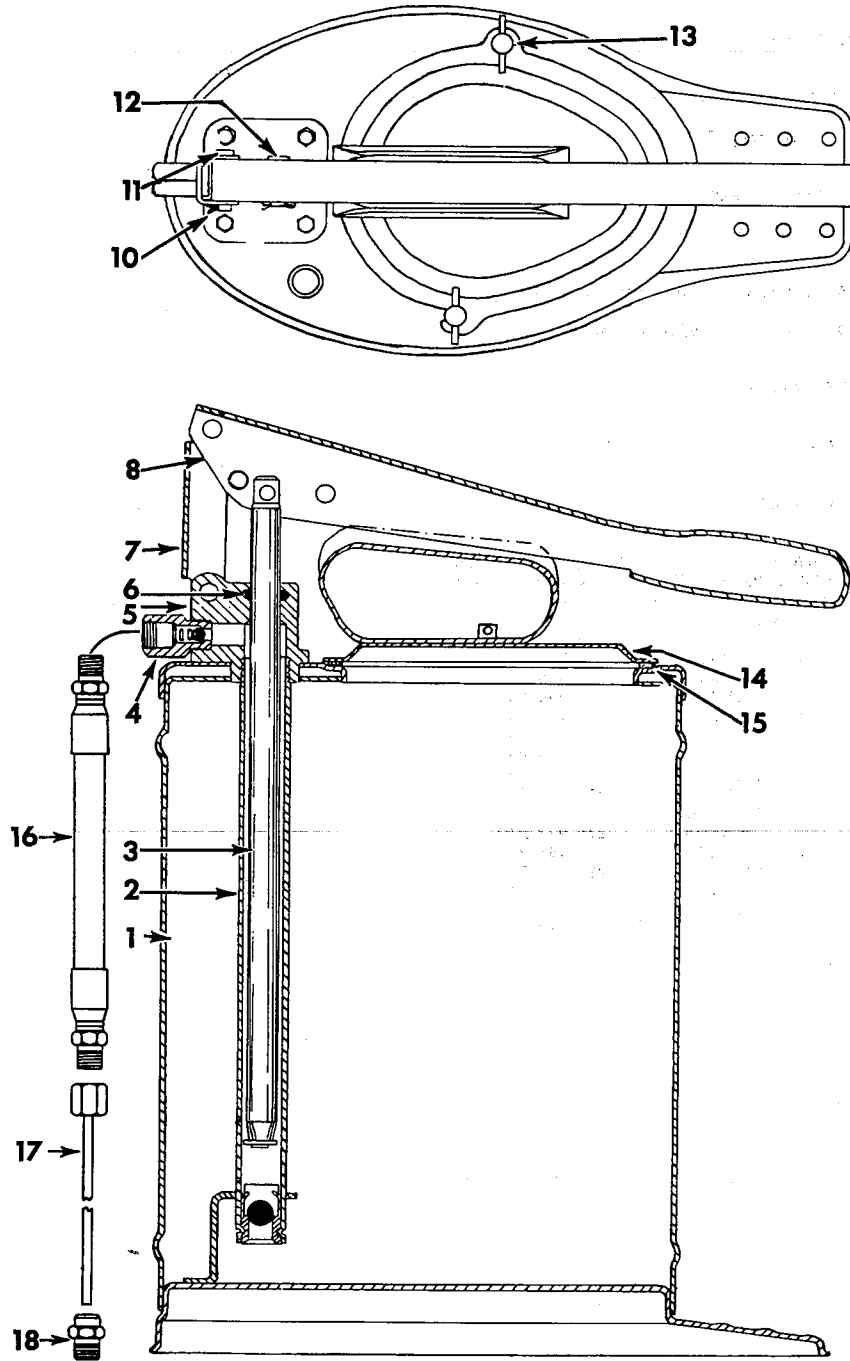
## MEMORANDUM

MISCELLANEOUS EQUIPMENT

LUBRICATOR 307 821 R91  
(Tank Type) (Stewart-Warner) TD-150-1722 to 4000  
TD-151-4001 to

MISCELLANEOUS EQUIPMENT

LUBRICATOR 307 821 R91 - CONTINUED  
(Tank Type) (Stewart-Warner) TD-150-1722 to 4000  
TD-151-4001 to



IPA-52828 A

| REF. NO. | I. H. PART NUMBER | DESCRIPTION                     |
|----------|-------------------|---------------------------------|
| 1        | 278 931 R91       | SHELL (G-322100-2)              |
| 2        | 278 932 R91       | VALVE and TUBE, foot (G-322923) |
| 3        | 278 933 R91       | ROD and WASHER (G-322926)       |

| REF. NO. | I. H. PART NUMBER | DESCRIPTION   |
|----------|-------------------|---|
| 4        | 278 937 R91       | VALVE, check (G-322934)                                   |
| 5        | 278 934 R1        | BODY, pump (322115-3)<br>1/4 x 1/2" hex-hd. cap SCREW (4) |

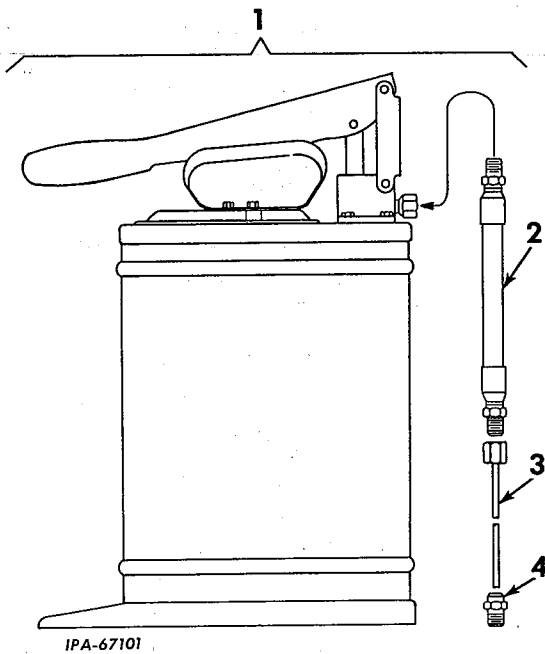
**MISCELLANEOUS EQUIPMENT**

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

LUBRICATOR 307 821 R91 - CONTINUED  
(Tank Type) (Stewart-Warner) TD-150-1722 to 4000  
TD-151-4001 to

|    |              |  |
|----|--------------|--|
| 6  | 278 935 R1   | RING, 3/4 x 1 x 1/8" quad. (171008-15) |
| 7  | 278 936 R1   | LINK, lever (322092-3)                 |
| 8  | 278 938 R1   | LEVER (322932)                         |
| 10 |              | PIN, 3/32 x 5/8" cotter (3)            |
| 11 | 278 939 R1   | PIN, 1-7/16" long (322109-2)(2)        |
| 12 | 278 940 R1   | PIN, 1-3/16" long (322109-1)           |
| 13 | 278 946 R1   | SCREW, wing (G-322116)(3)              |
| 14 | 278 945 R91  | COVER (G-322110-3)                     |
| 15 | 278 944 R1   | GASKET (50784)                         |
| 16 | 310 534 R91  | HOSE (3 ft. long)(317865-3)            |
| 17 | 310 535 R91  | TUBE (G-324461)                        |
| 18 | 310 536 R1   | ADAPTER (324464)                       |
|    | 1 001 029 R1 | DECAL, IH                              |

LUBRICATOR  
(Tank Type) (Stewart-Warner)



**MISCELLANEOUS EQUIPMENT**

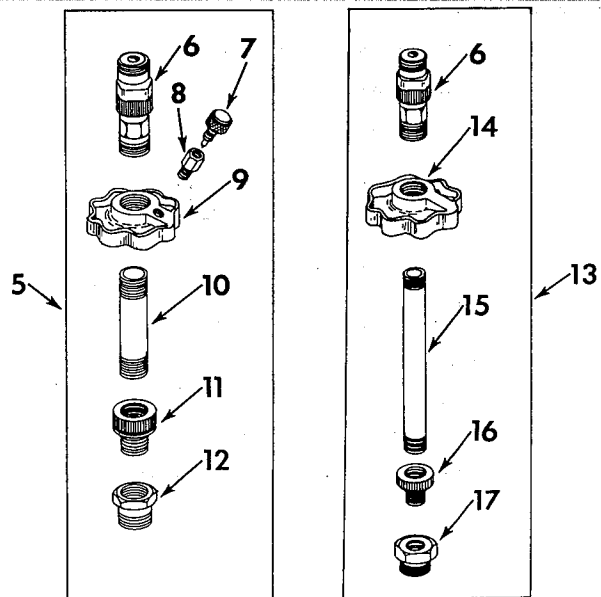
| REF. NO. | I. H. PART NUMBER | DESCRIPTION |
|----------|-------------------|-------------|
|----------|-------------------|-------------|

LUBRICATOR 307 821 R91 - CONTINUED  
(Tank Type) (Stewart-Warner) TD-150-1722 to 4000  
TD-151-4001 to

|             |  |              |
|-------------|--|--------------|
| 307 821 R91 | LUBRICATOR ASSEMBLY, less HOSE, tank (G-322920) (See NOTE) |              |
|             | (Composed of -   |              |
| 1           | BODY   | 278 934 R1   |
| 1           | COVER  | 278 945 R91  |
| 1           | DECAL  | 1 001 029 R1 |
| 1           | GASKET   | 278 944 R1   |
| 1           | LEVER  | 278 938 R1   |
| 1           | LINK   | 278 936 R1   |
| 2           | PIN  | 278 939 R1   |
| 1           | PIN  | 278 940 R1   |
| 1           | RING   | 278 935 R1   |
| 1           | ROD and WASHER   | 278 933 R91  |
| 2           | SCREW  | 278 946 R1   |
| 1           | SHELL  | 278 931 R91  |
| 1           | VALVE  | 278 937 R91  |
| 1           | VALVE and TUBE   | 278 932 R91  |

NOTE - Order LUBRICATOR 310 533 R91 and NOZZLE (1/4" pipe nipple type) 321 268 R91 or NOZZLE (1/8" pipe nipple type) 321 269 R91 as required.

LUBRICATOR - CONTINUED  
(Tank Type) (Stewart-Warner)





MISCELLANEOUS EQUIPMENT

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

LUBRICATOR - CONTINUED  
(Tank Type) (Stewart-Warner)

|    |             |  |
|----|-------------|--|
| 1  | 310 533 R91 | LUBRICATOR w/ADAPTER, 310 536 R1, HOSE, 310 534 R91 and TUBE, 310 535 R91, tank type bucket (7552) (Lubricator includes adapter for use on units with tube type lubricant openings. When lubricator is used on units equipped with threaded type lubricant openings, NOZZLE ASSEMBLY, 321 268 R91 or 321 269 R91, must be ordered as required. |
| 2  | 310 534 R91 | HOSE (3 ft long) (317865-3)  |
| 3  | 310 535 R91 | TUBE (G-324461)  |
| 4  | 310 536 R1  | ADAPTER (324464) (for tube type lubrication openings)  |
| 5  | 321 268 R91 | NOZZLE ASSEMBLY, 1/4" pipe nipple type (G-327041) (for units equipped with threaded lubrication openings)<br>(Composed of -  |
|    | 1           | ADAPTER 265 458 R1   |
|    | 1           | ADAPTER 321 273 R1   |
|    | 1           | HANDLE 265 459 R1  |
|    | 1           | NIPPLE 192 054   |
|    | 1           | PLUG 265 457 R1  |
|    | 1           | SCREW 265 461 R1   |
|    | 1           | SEAT 265 460 R1  |
|    | 1           | SWIVEL 278 948 R91 )   |
| 6  | 278 948 R91 | SWIVEL w/"O" RING, 310 926 R1 (G-322939)   |
| 7  | 265 461 R1  | SCREW, release valve (47123)   |
| 8  | 265 460 R1  | SEAT, release valve (47124)  |
| 9  | 265 459 R1  | HANDLE (322941)  |
| 10 | 192 054     | NIPPLE, 1/4 x 2-1/2" pipe (cd or zn-pltd) (for threaded type lubrication openings)   |
| 11 | 265 457 R1  | PLUG (EX-80412-CD)   |
| 12 | 265 458 R1  | ADAPTER (40996)  |
| 13 | 321 269 R91 | NOZZLE ASSEMBLY, 1/8" pipe nipple type (G-327040) (for units equipped with threaded lubrication openings)<br>(Composed of -  |
|    | 1           | ADAPTER 321 273 R1   |
|    | 1           | BUSHING 278 943 R1   |
|    | 1           | HANDLE 278 949 R1  |
|    | 1           | NIPPLE 219 620   |
|    | 1           | PLUG 278 942 R1  |
|    | 1           | SWIVEL 278 948 R91 )   |
| 14 | 278 949 R1  | HANDLE (322938)  |
| 15 | 219 620     | NIPPLE, 1/8 x 12" pipe (cd or zn-pltd) (for threaded type lubrication openings)  |
| 16 | 278 942 R1  | PLUG (EX-80661-AT)   |
| 17 | 278 943 R1  | BUSHING (A-112)  |
|    | 321 273 R1  | ADAPTER, nozzle (327042)   |
|    | 310 926 R1  | "O" RING, swivel (3/8 x 9/16 x 3/32")  |

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

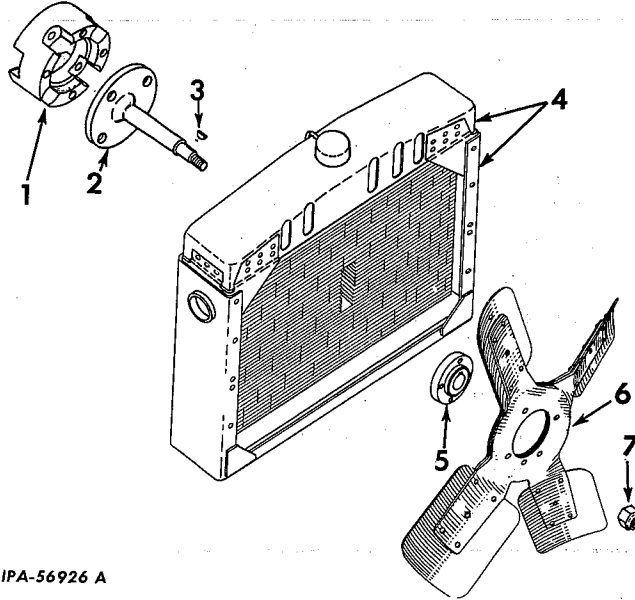
NOTE 3 - Field Application - Order through Regular Service Parts Channels.



MISCELLANEOUS EQUIPMENT

ATTACHMENTS

OUTBOARD FAN (TD-15-150 Series)



IPA-56926 A

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

(X) - KEY TO UNITS -

- A - 311 288 R91 ATTACHMENT, outboard fan (not used on machines equipped with radiator shutter) (for use with blower fan attachment 274 630 R91 or 277 085 R91) (See NOTE 3)
- B- Service parts for tropical outboard fan (not used on machines equipped with radiator shutter)
- C- Service parts for light duty outboard fan (not used on machines equipped with radiator shutter)

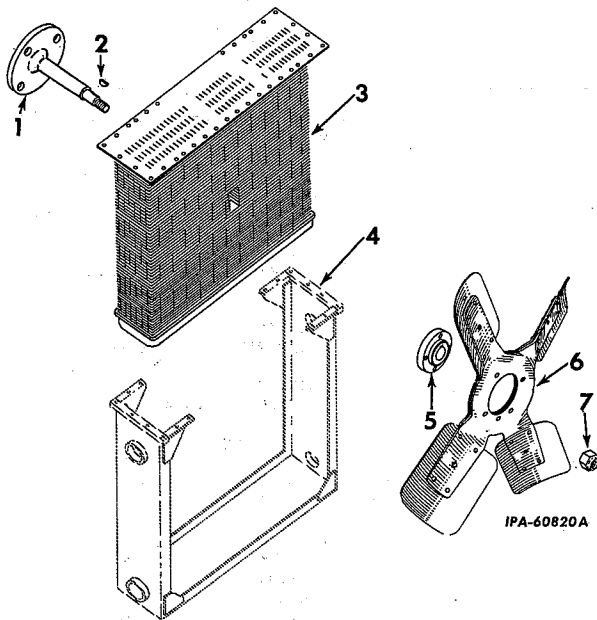
(X) - Letters of these units correspond with those shown following the description of the parts in the list below and identifies the unit for which the part is used. Items without letters after the description indicates the part is used for all units.

|   |              |   |
|---|--------------|---|
| 1 | 311 289 R1   | ADAPTER, outboard fan extension shaft 5/16 x 1-1/2" hex-hd. cap SCREW (4) 5/16" lock WASHER (4) |
| 2 | 316 926 R2   | SHAFT, outboard fan 5/16 x 5/8" hex-hd. cap SCREW (4) 5/16" lock WASHER (4)                     |
| 3 | 103 646      | KEY, 1/8 x 3/4" Woodruff  |
| 4 | 311 325 R93  | RADIATOR (For service only - not furnished as part of attachment)                               |
| 5 | 307 446 R1   | HUB, outboard fan   |
| 6 | 274 630 R91  | ATTACHMENT, blower fan (See NOTE 1 and 3) (Unit B)  |
| 6 | 277 085 R91  | ATTACHMENT, blower fan (See NOTE 1 and 3) (Unit C)  |
| 7 | 18 453 R1    | NUT, 5/8NF elastic stop   |
|   | 2 750 612 R1 | DECAL, outboard fan caution   |



MISCELLANEOUS EQUIPMENT

OUTBOARD FAN (TD-15-151 SERIES)



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

(X) - KEY TO UNITS -

A - 322 201 R91 ATTACHMENT, outboard fan (not used on machines equipped with radiator shutter) (for use on machines equipped with Blower Fan 274 630 R91 or 277 085 R91) (See NOTE 3)

B - Service parts for tropical outboard fan (not used on machines equipped with radiator shutter)

(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 | 322 202 R1   | SHAFT, outboard fan<br>5/16 x 1" hex-hd. cap SCREW (4)<br>5/16" lock WASHER (4) |
| 2 | 103 646      | KEY, outboard fan hub (1/8 x 3/4" Woodruff)                                     |
| 3 | 348 102 R91  | CORE w/lower TANK, radiator   |
| 4 |              | FRAME (Not Furnished Separately)  |
| 5 | 307 446 R1   | HUB, outboard fan   |
| 6 | 274 630 R91  | FAN, blower (24" dia) (four blade) (Unit B)                                     |
| 7 | 18 453 R1    | NUT, 5/8NF elastic stop   |
|   | 2 750 612 R1 | DECAL, outboard fan caution   |

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



MEMORANDUM



MISCELLANEOUS EQUIPMENT

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

ATTACHMENTS

ALTITUDE COMPENSATION

|             |   |               |
|-------------|---|---------------|
| 320 593 R91 | ATTACHMENT, altitude compension (TD-15 (150 Series) equipped with standard hood) (See NOTE 3) (*) |               |
|             | (Composed of -  |               |
| 2           | ADAPTER   | 321 359 R1    |
| 4           | BOLT  | 318 323 R1    |
| 2           | BRACKET   | 318 318 R11   |
| 1           | CAP   | 321 259 R1    |
| 3           | CLAMP   | 122 316 R91   |
| 2           | CLAMP   | 276 223 R91   |
| 4           | CLAMP   | 279 029 R91   |
| 2           | CLAMP   | 279 038 R91   |
| 1           | CLEANER   | 338 981 R91   |
| 3           | CLIP  | 267 787 R91   |
| 1           | CONNECTOR   | 19 715 R1     |
| 2           | DECALCOMANIA  |               |
|             |   | 1 001 681 R3  |
| 1           | DECALCOMANIA  |               |
|             |   | 2 751 041 R1  |
| 1           | ELBOW   | 36 637 D      |
| 1           | ELBOW   | 444 054       |
| 1           | ELBOW   | 171 810 R1    |
| 1           | ELBOW   | 304 398 R1    |
| 1           | ELBOW   | 318 320 R11   |
| 1           | EXTENSION   | 276 226 R1    |
| 1           | FLANGE  | 318 379 R1    |
| 1           | GASKET  | 253 660 R1    |
| 1           | GASKET  | 253 664 R1    |
| 1           | GASKET  | 304 391 R1    |
| 6           | GASKET  | 322 519 R1    |
| 1           | HOSE  | 278 637 R1    |
| 1           | HOSE  | 310 385 R1    |
| 1           | HOSE  | 312 109 R1    |
| 1           | HOSE  | 321 356 R91   |
| 1           | INDICATOR   | 324 365 R91   |
| 4           | LOCK  | 50 408 D      |
| 1           | MANIFOLD  | 318 316 R11   |
| 1           | MANIFOLD  | 318 317 R1    |
| 1           | NIPPLE  | 120 278       |
| 1           | NIPPLE and FILTER   | 317 972 R91   |
| 2           | NUT   | 36 092 D      |
| 8           | NUT   | 253 665 R1    |
| 1           | PIPE  | 318 324 R11   |
| 1           | PIPE  | 320 598 R1    |
| 2           | PLUG  | 444 734       |
| 4           | PLUG  | 445 684       |
| 1           | RETAINER  | 318 322 R1    |
| 1           | SLEEVE  | 318 321 R1    |
| 2           | STRAP   | 320 597 R1    |
| 8           | STUD  | 41 634 D      |
| 4           | STUD  | 271 904 R1    |
| 1           | SUPPORT   | 320 595 R11   |
| 1           | TEE   | 120 280       |
| 1           | TUBE  | 318 327 R11   |
| 1           | TUBE  | 321 591 R1    |
| 1           | TURBOCHARGER  |               |
|             |   | 321 381 R91   |
| 1           | UNLOADER  | 324 194 R91 ) |



MISCELLANEOUS EQUIPMENT

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

ATTACHMENTS

ALTITUDE COMPENSATION - Continued

|             |  |              |
|-------------|--|--------------|
| 320 594 R91 | ATTACHMENT, altitude compensation (TD-15 (150 Series) equipped with heavy hood) (See NOTE 3) (*) |              |
|             | (Composed of -   |              |
| 2           | ADAPTER  | 321 359 R1   |
| 4           | BOLT   | 318 323 R1   |
| 2           | BRACKET  | 318 318 R11  |
| 1           | CAP  | 321 272 R1   |
| 3           | CLAMP  | 122 316 R91  |
| 4           | CLAMP  | 279 029 R91  |
| 2           | CLAMP  | 279 038 R91  |
| 2           | CLAMP  | 318 766 R91  |
| 1           | CLEANER  | 338 981 R91  |
| 3           | CLIP   | 267 787 R91  |
| 1           | CONNECTOR  | 19 715 R1    |
| 2           | DECALCOMANIA   |              |
|             |  | 1 001 681 R3 |
| 1           | DECALCOMANIA   |              |
|             |  | 2 751 041 R1 |
| 1           | ELBOW  | 36 637 D     |
| 1           | ELBOW  | 444 054      |
| 1           | ELBOW  | 171 810 R1   |
| 1           | ELBOW  | 304 398 R1   |
| 1           | ELBOW  | 318 320 R11  |
| 1           | FLANGE   | 318 379 R1   |
| 1           | GASKET   | 253 660 R1   |
| 1           | GASKET   | 253 664 R1   |
| 1           | GASKET   | 304 391 R1   |
| 6           | GASKET   | 322 519 R1   |
| 1           | HOSE   | 278 637 R1   |
| 1           | HOSE   | 310 385 R1   |
| 1           | HOSE   | 312 109 R1   |
| 1           | HOSE   | 321 356 R91  |
| 1           | INDICATOR  | 324 365 R91  |
| 4           | LOCK   | 50 408 D     |
| 1           | MANIFOLD   | 318 316 R11  |
| 1           | MANIFOLD   | 318 317 R1   |
| 1           | NIPPLE and NIPPLE  | 120 278      |
| 2           | NUT  | 36 092 D     |
| 8           | NUT  | 253 665 R1   |
| 1           | PIPE   | 318 324 R11  |
| 1           | PIPE   | 320 569 R1   |
| 1           | PIPE   | 320 598 R1   |
| 2           | PLUG   | 444 734      |
| 4           | PLUG   | 445 684      |
| 1           | RETAINER   | 318 322 R1   |
| 2           | RETAINER   | 320 565 R91  |
| 1           | SEAL   | 321 274 R1   |
| 1           | SLEEVE   | 318 321 R1   |
| 1           | SPRING   | 320 568 R1   |
| 2           | STRAP  | 320 597 R1   |
| 8           | STUD   | 41 634 D     |
| 4           | STUD   | 271 904 R1   |
| 1           | SUPPORT  | 320 595 R11  |
| 1           | TEE  | 120 280      |
| 1           | TUBE   | 318 327 R11  |
| 1           | TUBE   | 318 765 R1   |
| 1           | TUBE   | 320 625 R1   |
| 1           | TUBE   | 321 591 R1   |
| 1           | TURBOCHARGER   |              |
|             |  | 321 381 R91  |
| 1           | UNLOADER   | 324 194 R91) |

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

(\*) - Individual service parts are listed and illustrated in "Fuel System", "Turbo-charger and Piping" and "Sheet Metal, Fenders, Platforms and Seats" section of this catalog.



# MISCELLANEOUS EQUIPMENT

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

## ATTACHMENTS

Altitude Compensation - Continued

|             |              |   |
|-------------|--------------|---|
| 322 117 R91 |              | ATTACHMENT, altitude compensation (TD-15 (151 Series) equipped with standard hood) (See NOTE 3) (*) |
|             |              | (Composed of -  |
| 2           | ADAPTER      | 321 359 R1  |
| 4           | BOLT         | 318 323 R1  |
| 1           | BRACE        | 322 474 R1  |
| 2           | CLAMP        | 122 316 R91   |
| 2           | CLAMP        | 276 223 R91   |
| 2           | CLAMP        | 279 029 R91   |
| 2           | CLAMP        | 279 038 R91   |
| 3           | CLIP         | 267 787 R91   |
| 1           | ELBOW        | 444 054   |
| 1           | ELBOW        | 171 810 R1  |
| 1           | ELBOW        | 318 320 R11   |
| 1           | EXTENSION    | 276 226 R1  |
| 1           | FLANGE       | 318 379 R1  |
| 1           | GASKET       | 253 660 R1  |
| 1           | GASKET       | 253 664 R1  |
| 1           | GASKET       | 304 391 R1  |
| 6           | GASKET       | 322 519 R1  |
| 1           | HOSE         | 278 637 R1  |
| 1           | HOSE         | 310 385 R1  |
| 1           | HOSE         | 312 109 R1  |
| 1           | HOSE         | 321 356 R91   |
| 4           | LOCK         | 50 408 D  |
| 1           | MANIFOLD     | 318 316 R11   |
| 1           | MANIFOLD     | 318 317 R1  |
| 1           | NIPPLE       | 120 278   |
| 8           | NUT          | 253 665 R1  |
| 1           | PIPE         | 318 324 R11   |
| 1           | PIPE         | 320 598 R1  |
| 4           | PLUG         | 445 684   |
| 1           | RETAINER     | 318 322 R1  |
| 1           | SHIELD       | 322 119 R1  |
| 1           | SLEEVE       | 318 321 R1  |
| 8           | STUD         | 41 634 D  |
| 4           | STUD         | 271 904 R1  |
| 1           | TEE          | 120 280   |
| 1           | TUBE         | 318 327 R11   |
| 1           | TURBOCHARGER | 321 381 R91)  |



# MISCELLANEOUS EQUIPMENT

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

## ATTACHMENTS

Altitude Compensation - Continued

|             |              |   |
|-------------|--------------|---|
| 322 123 R91 |              | ATTACHMENT, altitude compensation (TD-15 (151 Series) equipped with heavy hood except loader tractors) (See NOTE 3) (*) |
|             |              | (Composed of -  |
| 2           | ADAPTER      | 321 359 R1  |
| 4           | BOLT         | 318 323 R1  |
| 1           | BRACE        | 322 474 R1  |
| 2           | CLAMP        | 122 316 R91   |
| 2           | CLAMP        | 279 029 R91   |
| 2           | CLAMP        | 279 038 R91   |
| 3           | CLIP         | 267 787 R91   |
| 1           | ELBOW        | 444 054   |
| 1           | ELBOW        | 171 810 R1  |
| 1           | ELBOW        | 318 320 R11   |
| 1           | FLANGE       | 318 379 R1  |
| 1           | GASKET       | 253 660 R1  |
| 1           | GASKET       | 253 664 R1  |
| 1           | GASKET       | 304 391 R1  |
| 6           | GASKET       | 322 519 R1  |
| 1           | HOSE         | 278 637 R1  |
| 1           | HOSE         | 310 385 R1  |
| 1           | HOSE         | 312 109 R1  |
| 1           | HOSE         | 321 356 R91   |
| 4           | LOCK         | 50 408 D  |
| 1           | MANIFOLD     | 318 316 R11   |
| 1           | MANIFOLD     | 318 317 R1  |
| 1           | NIPPLE       | 120 278   |
| 8           | NUT          | 253 665 R1  |
| 1           | PIPE         | 318 324 R11   |
| 1           | PIPE         | 320 598 R1  |
| 4           | PLUG         | 445 684   |
| 1           | RETAINER     | 318 322 R1  |
| 2           | RETAINER     | 320 565 R91   |
| 1           | SHIELD       | 322 119 R1  |
| 1           | SLEEVE       | 318 321 R1  |
| 1           | SPRING       | 320 568 R1  |
| 8           | STUD         | 41 634 D  |
| 4           | STUD         | 271 904 R1  |
| 1           | TEE          | 120 280   |
| 1           | TUBE         | 318 327 R11   |
| 1           | TURBOCHARGER | 312 381 R91 )   |

NOTE 3 - Field Application - Order through Regular Service Parts Channels.  
 (\*) - Individual service parts are listed and illustrated in "Fuel System", "Turbo-charger and Piping" and "Sheet Metal, Fenders, Platforms and Seats" section of this catalog.

# MISCELLANEOUS EQUIPMENT

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

## ATTACHMENTS

### Altitude Compensation - Continued

|             |   |               |
|-------------|---|---------------|
| 331 788 R91 | ATTACHMENT, altitude compensation (TD-15 (151 Series) loader tractors) (See NOTE 2) (*) |               |
|             | (Composed of -  |               |
| 2           | ADAPTER   | 321 359 R1    |
| 4           | BOLT  | 318 323 R1    |
| 1           | BRACE   | 322 474 R1    |
| 2           | CLAMP   | 122 316 R91   |
| 2           | CLAMP   | 279 029 R91   |
| 2           | CLAMP   | 279 038 R91   |
| 3           | CLIP  | 267 787 R91   |
| 1           | ELBOW   | 444 054       |
| 1           | ELBOW   | 171 810 R1    |
| 1           | ELBOW   | 318 320 R11   |
| 1           | FLANGE  | 318 379 R1    |
| 1           | GASKET  | 253 660 R1    |
| 1           | GASKET  | 253 664 R1    |
| 1           | GASKET  | 304 391 R1    |
| 6           | GASKET  | 322 519 R1    |
| 1           | HOSE  | 278 637 R1    |
| 1           | HOSE  | 310 385 R1    |
| 1           | HOSE  | 312 109 R1    |
| 1           | HOSE  | 321 356 R91   |
| 4           | LOCK  | 50 408 D      |
| 1           | MANIFOLD  | 318 316 R11   |
| 1           | MANIFOLD  | 318 317 R1    |
| 1           | NIPPLE  | 120 278       |
| 8           | NUT   | 253 665 R1    |
| 1           | PIPE  | 318 324 R11   |
| 1           | PIPE  | 320 598 R1    |
| 4           | PLUG  | 445 684       |
| 1           | RETAINER  | 318 322 R1    |
| 2           | RETAINER  | 320 565 R91   |
| 1           | SEAT  | 305 212 R1    |
| 1           | SHIELD  | 322 119 R1    |
| 1           | SLEEVE  | 318 321 R1    |
| 1           | SPRING  | 320 568 R1    |
| 8           | STUD  | 41 634 D      |
| 4           | STUD  | 271 904 R1    |
| 1           | TEE   | 120 280       |
| 1           | TUBE  | 318 327 R11   |
| 1           | TURBOCHARGER  | 321 381 R91 ) |

# MISCELLANEOUS EQUIPMENT

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

## ATTACHMENTS

### INCREASED COOLING

|             |  |               |
|-------------|--|---------------|
| 322 392 R91 | ATTACHMENT, increased cooling w/inboard fan (suction) (TD-15 (150 Series) (See NOTE 3) (*) |               |
|             | (Composed of -   |               |
| 1           | BAFFLE   | 322 393 R1    |
| 1           | BAFFLE   | 322 394 R1    |
| 1           | BAFFLE   | 322 395 R1    |
| 1           | BAFFLE   | 322 396 R1    |
| 1           | BAFFLE   | 322 397 R1    |
| 1           | BELT   | 304 071 R11   |
| 1           | CAP  | 259 599 R91   |
| 1           | CLAMP  | 259 603 R91   |
| 1           | CONNECTOR  | 18 506 R1     |
| 1           | FAN  | 321 569 R91   |
| § 1         | FLANGE   |               |
| § 1         | FLANGE   |               |
| 2           | GASKET   | 320 391 R1    |
| 1           | HANDLE   | 262 603 R11   |
| 1           | HOUSING  | 320 390 R1    |
| 1           | NUT  | 371 217 R1    |
| 1           | RADIATOR   | 322 389 R91   |
| 1           | TUBE   | 322 398 R1    |
| 1           | VALVE  | 321 149 R91 ) |

|             |  |               |
|-------------|--|---------------|
| 322 399 R91 | ATTACHMENT, increased cooling w/outboard fan (blower) (TD-15 (150 Series) (See NOTE 3) (*) |               |
|             | (Composed of -   |               |
| 1           | BAFFLE   | 322 393 R1    |
| 1           | BAFFLE   | 322 394 R1    |
| 1           | BAFFLE   | 322 395 R1    |
| 1           | BAFFLE   | 322 396 R1    |
| 1           | BAFFLE   | 322 397 R1    |
| 1           | BELT   | 304 071 R11   |
| 1           | CAP  | 259 599 R91   |
| 1           | CLAMP  | 259 603 R91   |
| 2           | CLAMP  | 274 089 R91   |
| 1           | CONNECTOR  | 18 506 R1     |
| 1           | FAN  | 321 568 R91   |
| § 1         | FLANGE   |               |
| § 1         | FLANGE   |               |
| 2           | GASKET   | 320 391 R1    |
| 1           | HANDLE   | 262 603 R11   |
| 1           | HOSE   | 48 918 DA     |
| 1           | HOUSING  | 320 390 R1    |
| 1           | HUB  | 307 446 R1    |
| 1           | NUT  | 371 217 R1    |
| 1           | PIPE   | 320 341 R1    |
| 1           | PUMP   | 318 230 R91   |
| 1           | RADIATOR   | 322 390 R91   |
| 1           | SHAFT  | 322 202 R1    |
| 1           | TUBE   | 322 398 R1    |
| 1           | VALVE  | 321 149 R91 ) |

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

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

§ - Not Furnished Separately.

(\*) - Individual service parts are listed and illustrated in "Fuel System", "Turbo-charger and Piping" and "Sheet Metal, Fenders, Platforms and Seats" sections of this catalog.





## MISCELLANEOUS EQUIPMENT

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

### ATTACHMENTS

#### INCREASED COOLING - Continued

322 450 R91 ATTACHMENT, increased cooling w/ reversible fan (not for use on machines equipped with Radiator Shutter, Transmission Oil Cooler or Fan Guard Attachments) (TD-15 (150 Series) (See NOTE 3) (\*)

(Composed of -

|     |           |               |
|-----|-----------|---------------|
| 1   | BAFFLE    | 322 394 R1    |
| 1   | BAFFLE    | 322 395 R1    |
| 1   | BAFFLE    | 322 454 R1    |
| 1   | BAFFLE    | 322 455 R1    |
| 1   | BAFFLE    | 322 456 R1    |
| 1   | BELT      | 304 071 R11   |
| 4   | BRACKET   | 322 457 R91   |
| 1   | CAP       | 259 599 R91   |
| 1   | CLAMP     | 259 603 R91   |
| 1   | CONNECTOR | 18 506 R1     |
| 1   | FAN       | 321 567 R91   |
| § 1 | FLANGE    |               |
| § 1 | FLANGE    |               |
| 2   | GASKET    | 320 391 R1    |
| 1   | HANDLE    | 262 603 R11   |
| 1   | HOSE      | 58 058 DAM    |
| 1   | HOSE      | 276 915 R2    |
| 1   | HOUSING   | 320 393 R1    |
| 1   | NUT       | 371 217 R1    |
| 1   | RADIATOR  | 322 391 R91   |
| 1   | SHROUD    | 322 451 R91   |
| 1   | SHROUD    | 322 452 R91   |
| 1   | TUBE      | 322 398 R1    |
| 1   | VALVE     | 321 419 R91 ) |

322 527 R91 ATTACHMENT, increased cooling w/ reversible fan (not for use on machines equipped with Radiator Shutter Transmission Oil Cooler or Fan Guard Attachments) (TD-15 (151 Series) (See NOTE 3) (\*)

(Composed of -

|     |         |             |
|-----|---------|-------------|
| 1   | BAFFLE  | 322 058 R1  |
| 1   | BAFFLE  | 322 456 R1  |
| 1   | BAFFLE  | 322 525 R1  |
| 1   | BELT    | 304 071 R11 |
| 4   | BRACKET | 322 457 R91 |
| 1   | CORE    | 348 192 R91 |
| 1   | FAN     | 321 567 R91 |
| 1   | HOSE    | 58 058 DAM  |
| § 2 | SPACER  | )           |

§ - Not Furnished Separately.  
 (\*) - Individual service parts are listed and illustrated in "Cooling System" of this catalog.  
 NOTE 3 - Field Application - Order through Regular Service Parts Channels.



## MISCELLANEOUS EQUIPMENT

| I.H. PART NUMBER | DESCRIPTION |
|------------------|-------------|
|------------------|-------------|

### PRODUCT GRAPHICS

|              |   |
|--------------|---|
| 1 001 371 R3 | DECALCOMANIA, final fuel filter instruction   |
| 1 001 374 R3 | DECALCOMANIA, auxiliary fuel filter instruction   |
| 1 001 681 R3 | DECALCOMANIA, lubrication oil filter instruction (2) (TD-15-150 Series Altitude Compensation Attachments) |
| 2 750 790 R1 | DECALCOMANIA, lubrication oil filter instruction (2)  |
| 306 942 R92  | PACKAGE, service decalcomania (consists of 27 DECALCOMANIAS as follows)                                   |
| 1 001 798 R1 | DECALCOMANIA, "TD-14" Model symbol (2)  |
| 1 001 265 R1 | DECALCOMANIA, "TD-14A" Model symbol (2)   |
| 2 750 145 R1 | DECALCOMANIA, "I. H." monogram (rear of tank)   |
| 2 750 078 R1 | DECALCOMANIA, "I. H." monogram (radiator mounting frame) (2)  |
| 1 001 633 R1 | DECALCOMANIA, "International" (rear of tank) *  |
| 1 001 632 R1 | DECALCOMANIA, "International" (on hood) (2) *   |
| 1 001 454 R1 | DECALCOMANIA, "Diesel" (rear of tank) *   |
| 2 750 004 R1 | DECALCOMANIA, gear shifting diagram (not TD-15) (150 Series)  |
| 1 000 693 R3 | DECALCOMANIA, "I. H. of Canada"   |
| 2 750 579 R1 | DECALCOMANIA, air cleaner instructions (Dry Type)   |
| 1 000 889 R4 | DECALCOMANIA, injection pump lubrication  |
| 1 001 071 R2 | DECALCOMANIA, generator warning   |
| 2 750 243 R2 | DECALCOMANIA, engine shut-down  |
| 2 750 642 R1 | DECALCOMANIA, engine running with tractor stopped   |
| 2 750 496 R1 | DECALCOMANIA, "TD-15" Model symbol (2)  |
| 2 750 329 R1 | DECALCOMANIA, "International" (rear of tank)  |
| 2 750 328 R1 | DECALCOMANIA, "International" (on hood) (2)   |
| 2 750 492 R1 | DECALCOMANIA, "Diesel" (rear of tank)   |
| 2 750 244 R1 | DECALCOMANIA, shifting diagram  |
| 2 750 814 R1 | DECALCOMANIA, transmission oil filter gauge   |

\* - Used only on tractors painted other than I. H. standard yellow.

# MISCELLANEOUS EQUIPMENT



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

## ASSORTED GASKET SETS

|             |  |   |
|-------------|--|---|
| 332 658 R91 |  | GASKET SET, crankcase<br>(Consists of -   |
| W 16 210    |  | FELT, fan belt idler-pulley   |
| 42 769 D    |  | GASKET, carburetor  |
| 257 214 R1  |  | GASKET, water pump oil seal housing   |
| 251 719 R2  |  | GASKET, water pump cover  |
| 251 717 R2  |  | GASKET, water pump  |
| 318 227 R1  |  | GASKET, water pump cover  |
| 253 977 R1  |  | GASKET, oil transfer cover  |
| 252 022 R2  |  | GASKET, push rod chamber side plate (2)   |
| 59 481 DB   |  | GASKET, breather body   |
| 252 039 R2  |  | GASKET, crankcase front cover   |
| 48 143 DC   |  | GASKET, fuel pump gear cover  |
| 252 045 R1  |  | GASKET, fuel pump supply pump pad cover   |
| 250 886 R2  |  | GASKET, oil filter body   |
| 46 137 D    |  | GASKET, crankcase rear dust seal  |
| 252 029 R3  |  | GASKET, water header (2)  |
| 271 702 R1  |  | GASKET, crankcase rear oil seal retainer<br>(center (between halves) (2)  |
| 252 032 R3  |  | GASKET, crankshaft rear oil seal retainer   |
| 252 034 R1  |  | GASKET, crankcase oil seal retainer plate   |
| 252 036 R3  |  | GASKET, crankcase oil pan   |
| 62 939 DB   |  | GASKET, fuel injection pump   |
| 46 583 DA   |  | GASKET, fuel injection pump   |
| 13 839 D    |  | GASKET, fuel filter case stud   |
| 13 841 D    |  | GASKET, fuel filter case  |
| 260 708 R2  |  | GASKET, water trap bowl   |
| 51 527 DC   |  | GASKET, water trap bracket  |
| 42 789 D    |  | GASKET, lubricating oil pump cover  |
| 13 839 D    |  | GASKET, oil filter case retainer bar (2)  |
| 13 841 D    |  | GASKET, oil filter case (2)   |
| 250 767 R3  |  | GASKET, oil filter base   |
| 252 690 R2  |  | GASKET, radiator outlet elbow   |
| 252 690 R2  |  | GASKET, radiator inlet elbow  |
| 254 379 R2  |  | GASKET, fuel transfer pump drive housing  |
| 261 959 R1  |  | GASKET, lubricating oil filter base   |
| 261 629 R1  |  | GASKET, lubricating oil filter by-pass valve<br>housing   |
| 59 658 D    |  | GASKET, crankcase oil pan drain plug  |
| 50 529 D    |  | GASKET, air cleaner pipe flange   |
| 260 839 R1  |  | GASKET, fuel filter case cover (2)  |
| 261 535 R1  |  | GASKET, fuel filter cover nut (2)   |
| 261 836 R1  |  | GASKET, oil filter case (2)   |
| 261 835 R1  |  | GASKET, oil filter standpipe (2)  |
| 28 781 D    |  | GASKET, lubrication oil filter by-pass valve<br>retaining nut   |
| 268 770 R2  |  | PLUG, crankcase oil seal retainer plate (2)   |
| 62 866 D    |  | WASHER, push rod chamber side plate cap<br>screw (8)  |
| 261 342 R91 |  | GASKET SET, cylinder head (not for use with<br>jet type cooling system) (for components see<br>list of parts under details of "Cylinder Head,<br>Valves, Starting Valves and Valve<br>Mechanism") |
| 332 659 R91 |  | GASKET SET, cylinder (for use with jet type<br>cooling system) (for components see list of<br>parts under details of "Cylinder Head,<br>Valves Starting Valves and Valve<br>Mechanism.")          |

# MEMORANDUM



EQUIPMENT COMBINATIONS

INDEX TO EQUIPMENT COMBINATIONS

| DESCRIPTION  | Page |
|--|------|
| Backfiller (TD-15-700-0).....                          | 163  |
| Index to Units Common for Equipment Combinations ..... | 165  |
| Loader, rigid track (TD-15-420-2).....                 | 148  |
| Pay Welder (TD-15-600-1) .....                         | 162  |
| Sideboom<br>TD-15-500-2.....                           | 152  |
| TD-15-502-1.....                                       | 155  |
| TD-15-504-2.....                                       | 156  |



## EQUIPMENT COMBINATIONS

| I. H. PART NUMBER  | DESCRIPTION  |
|--|--|
| <b>RIGID TRACK LOADER</b><br>(Drott)   |  |
| TD-15-420-2 EQUIPMENT COMBINATION, rigid track loader TD-15 (150 Series) and TD-15 (151 Series), 74 inch gauge crawler tractor (for use with Drott 15K-3 steel mill special skid shovel) |  |
| 304 244 R91  | ATTACHMENT, 18" overlapping flat shoe (*)<br>(See NOTE)  |
| 304 294 R91  | ATTACHMENT, crankcase guard (See NOTE)   |
| 274 630 R91  | ATTACHMENT, blower fan (See NOTE)<br>Heavy Hood (See NOTE)   |
|  | Extended track frame (Special) (See NOTE)<br>Tropical outboard fan (Special) (See NOTE)  |
| 276 375 R11  | BAR, seat tie  |
| 276 378 R1   | BOLT, seat hold down<br>3/8" wing NUT<br>13/32 x 13/16 x 16 ga. flat WASHER  |
| 276 132 R91  | BOX, tool (21")<br>3/8" NUT (4)<br>3/8" hex-hd. cap SCREW (4)<br>3/8" lock WASHER (4)  |
| 275 268 R1   | BRACKET, seat hinge (2)  |
| 316 648 R11  | BRACKET, light mounting (2)<br>3/8 x 1-1/8" hex-hd cap SCREW (6)<br>3/8" lock WASHER (6)   |
| 307 317 R12  | CHANNEL, slide rail (part of Adjustable Seat Slide Rail Service Package and Seat Frame Service Package) (2)  |
| 267 788 R91  | CLIP, tail light wire cable (mount on tool box counting bracket inner rear bolt)   |
| 272 239 R92  | CUSHION, seat side<br>3/8 x 3/4" hex-hd. cap SCREW (8)<br>3/8" lock WASHER (8)   |
| 273 499 R91  | CUSHION, seat back<br>5/16 x 3/4" hex-hd. cap SCREW (2)<br>5/16" lock WASHER (2)   |
| 273 500 R92  | CUSHION, seat bottom   |
| 276 737 R92  | DASH (TD-15-150)   |
| 322 019 R91  | DASH (TD-15-151)   |
| 273 498 R92  | FRAME, w/slide RAIL, seat (order Seat Frame Service Package and Support, 311 286 R91)  |
| 307 312 R91  | FRAME, seat (part of Seat Frame Service Package)   |
| 307 315 R1   | NUT, seat cushion on bottom pilot (2)<br>5/16" NF NUT (2)<br>5/16" internal-tooth lock WASHER (4)  |
| 307 314 R91  | FRAME, seat (order Seat Frame Service Package and Support, 311 286 R91)  |
| 275 269 R1   | HINGE, seat (2)  |
| 253 584 R1   | LEVER, control<br>1/4 x 7/8" hex-hd. cap SCREW<br>1/4" lock WASHER   |
| 303 389 R92  | LEVER, LH steering clutch hand   |
| 303 389 R92  | LEVER, RH steering clutch hand TD-150 1913   |
| 307 489 R92  | LEVER, RH steering clutch hand TD-150 1914 up  |
| 303 392 R11  | LEVER, forward and reverse gear shifter  |
| 306 872 R91  | LEVER w/PIN, 272 124 R1 and HANDLE, 41 597 DA, engine clutch hand  |
|  | PACKAGE, adjustable seat slide rail service (order the following parts - Two CHANNEL, 307 317 R12, and two RAIL, 307 316 R1) (for service on 273 162 R92, 272 399 R1, 273 100 R1 and 273 101 R1) |



## EQUIPMENT COMBINATIONS

| I. H. PART NUMBER  | DESCRIPTION  |
|--|--|
| <b>RIGID TRACK LOADER - CONTINUED</b><br>(Drott)   |  |
| TD-15-420-2 EQUIPMENT COMBINATION, rigid track loader TD-15 (150 Series) and TD-15 (151 Series), 74 inch gauge crawler tractor (for use with Drott 15K-3 steel mill special skid shovel) |  |
|  | PACKAGE, seat frame service (together with Support, 311 286 R91 will work for 273 498 R92 and 307 314 R91) (order the following parts -  |
|  | 2 CHANNEL 307 317 R12  |
|  | 1 FRAME 307 312 R91  |
|  | 2 NUT 307 315 R1   |
|  | 2 PAD 311 285 R1   |
|  | 2 RAIL 307 316 R1)   |
| 314 512 R91  | PAWL, RH brake ratchet   |
| 311 285 R1   | PAD, seat support rear mounting (part of Seat Frame Service Package)   |
| 279 961 R1   | PLATFORM, center (not used with DECELERATOR ATTACHMENT) (2)<br>3/8 x 7/8" hex-hd. cap SCREW (2)<br>3/8" lock WASHER (2)<br>13/32 x 13/16" x 16 ga. WASHER (2)  |
| 273 546 R2   | PLATFORM, LH (not used with DECELERATOR ATTACHMENT)<br>3/8 x 7/8" hex-hd. cap SCREW (2)<br>3/8" lock WASHER (2)<br>13/32 x 13/16" x 16 ga. WASHER (2)  |
| 273 547 R3   | PLATFORM, RH<br>3/8 x 7/8" hex-hd. cap SCREW (2)<br>3/8" lock WASHER (2)<br>13/32 x 13/16" x 16 ga. WASHER (2)   |
| 270 168 R91  | PUMP, model "B" IH fuel injection (1650 RPM - 9% regulation (not \$) (†)   |
| 328 018 R91  | PUMP, model "C" IH fuel injection (1650 RPM - 9% regulation (not \$) (†)   |
| 328 027 R91  | PUMP, model "C" IH fuel injection (1650 RPM - 9% regulation (\$) (†)   |
| 273 162 R92  | RAIL, slide (order Adjustable Seat Slide Rail Service Package)   |
| 307 316 R1   | RAIL, slide (part of Adjustable Seat Slide Rail Service Package and Seat Frame Service Package)<br>5/16" NF NUT (4)<br>5/16 NF x 1-1/4" hex-hd. cap SCREW<br>5/16" lock WASHER (4)   |
| 305 402 R11  | SHEET, LH engine side  |
| 305 403 R11  | SHEET, RH engine side  |
| 272 240 R11  | SUPPORT, platform (2)<br>3/8" NUT (4)<br>1/2 x 1" hex-hd. cap SCREW (2)<br>3/8 x 1-1/8" hex-hd. cap SCREW (2)<br>3/8" lock WASHER (4)<br>13/32 x 13/16 x 16 ga. WASHER (2)   |
| 283 321 R91  | SUPPORT, rear seat (not used with Seat Frame Service Package)<br>1/2" NUT (2)<br>1/2 x 1" hex-hd. cap SCREW (2)<br>1/2" WASHER (2)   |
|  | \$ - For loaders equipped with Altitude Compensation Attachment.   |
|  | (†) - Refer to Model "B" and "C" Fuel Injection Pump Parts Catalog PU-40C, when ordering parts for complete Model "B" and "C" Fuel Injection Pumps and also for special Model "B" and "C" Fuel Injection Pumps not listed above. For speed charts see Injection Pump parts Catalog PU-40C. |
|  | (*) - 18 inch is the maximum allowable track shoe width on this combination.   |
|  | NOTE: Detail Parts are listed in Standard Parts Section or Miscellaneous Equipment Section of this catalog.  |



## EQUIPMENT COMBINATIONS

I. H. PART  
NUMBER

DESCRIPTION

## RIGID TRACK LOADER - CONTINUED

(Drott)

TD-15-420-2 EQUIPMENT COMBINATION, rigid track loader TD-15 (150 Series) and TD-15 (151 Series), 74 inch gauge crawler tractor (for use with Drott 15K-3 steel mill special skid shovel)

|                           |  |
|---------------------------|--|
| 276 618 R1                | SUPPORT, platform front<br>1/2" NUT (2)<br>1/2 x 1-3/4" hex-hd. cap SCREW (2)<br>1/2" lock WASHER (2)  |
| 311 284 R91               | SUPPORT, rear seat (lower) (used on units equipped with Seat Frame Service Package)<br>1/2 NUT (2)<br>1/2 x 1-3/4" hex-hd. cap SCREW (2)<br>1/2" lock WASHER (2) |
| 275 266 R1                | SUPPORT, rear seat (upper) (used on units equipped with Seat Frame Service Package)  |
| 277 667 R92               | TANK w/CAP, 305 798 R11, PIPE,<br>42 384 DXA and PLUG, 103 868, fuel<br>5/8 x 1-1/4" hex-hd. cap SCREW (6)<br>5/8" lock WASHER (6)                               |
| 306 668 R11<br>322 370 R1 | TUBE, booster to pump front suction<br>TUBE, suction pipe to filter  |
| 271 284                   | FITTING, 1/8NPT lubricating (optional with 109 460) (push frame hinge bearing) (2)   |
| 109 460                   | FITTING, 1/8NPT lubricating (optional with 271 284) (push frame hinge bearing) (2)   |
|                           | SCREW, 1/2 x 1-1/2" hex-hd. cap (tube lines to pump) (8)   |
|                           | WASHER, lock, 1/2" (tube lines to pump) (8)  |
|                           | SCREW, 1/2 x 2-1/2" hex-hd. cap (pump to mounting plate) (4)   |
|                           | WASHER, 1/2" lock (pump to mounting plate) (4)   |
|                           | NUT, 3/8" (safety shield to carrying frame) (2)  |
|                           | SCREW, 3/8 x 1-1/4" hex-hd. cap (safety shield to carrying frame) (2)  |
|                           | WASHER, 3/8" lock (safety shield to carrying frame) (2)  |
|                           | SCREW, 1/2 x 1-1/2" hex-hd. cap (safety shield to fender) (2)  |
|                           | WASHER, 1/2" lock (safety shield to fender) (2)  |
|                           | SCREW, 1/2 x 2-1/2" hex-hd. cap (tube lines to side panel)   |
|                           | WASHER, 1/2" lock (tube lines to side panel)   |
|                           | NUT, 1/2" (rear seat support to carrying frame) (2)  |
|                           | SCREW, 1/2 x 1" hex-hd. cap (rear seat support to carrying frame) (2)  |
|                           | WASHER, 1/2" lock (rear seat support to carrying frame) (2)  |
|                           | WASHER, 1/2 x 1-1/4" x .083 ga. (used as shims between drott carrying frames and platform support) (4)   |
|                           | NUT, 3/8"  |
|                           | SCREW, 3/8 x 1-1/4" hex-hd. cap (2)  |
|                           | WASHER, 3/8" lock (2)  |
|                           | FRAME, carrying (supplied by DROTT, assembled by I. H. C.)   |



## EQUIPMENT COMBINATIONS

I. H. PART  
NUMBER

DESCRIPTION

## RIGID TRACK LOADER - CONTINUED

(Drott)

TD-15-420-2 EQUIPMENT COMBINATION, rigid track loader TD-15 (150 Series) and TD-15 (151 Series), 74 inch gauge crawler tractor (for use with Drott 15K-3 steel mill special skid shovel)

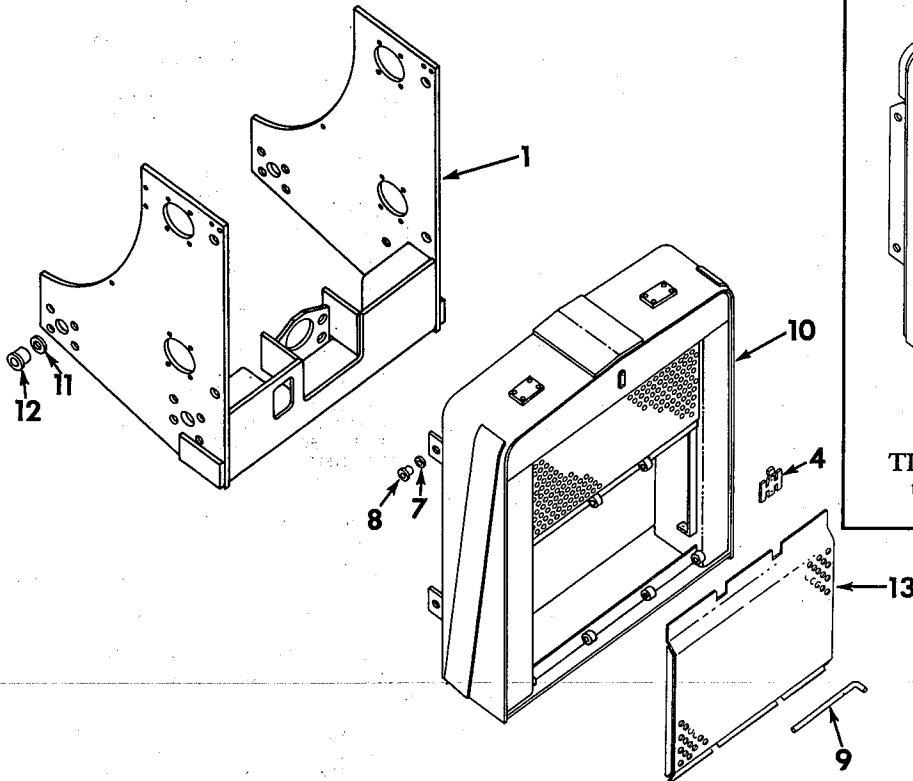
|             |   |
|-------------|---|
|             | The following additional ATTACHMENTS can also be furnished when ordered to be used with the above RIGID TRACK LOADER EQUIPMENT COMBINATION. |
| 42 902 D    | ATTACHMENT, front pull hook (See NOTE)  |
| 57 614 DA   | ATTACHMENT, cut-away sprocket (TD-15 501 to 3500) (See NOTE)  |
| 314 973 R91 | ATTACHMENT, cut-away sprocket (TD-150 3501 to 4000) (TD-151 4001 up) (See NOTE)   |
| 324 900 R91 | ATTACHMENT, bi-metallic engine clutch driven member (See NOTE)  |
| 320 616 R91 | ATTACHMENT, sprocket drive housing shield (See NOTE)  |
| 266 337 R91 | ATTACHMENT, fuel strainer (See NOTE)  |
| 274 580 R92 | ATTACHMENT, electric hourmeter (See NOTE)   |
| 275 650 R91 | ATTACHMENT, ignition lock switch (See NOTE)   |
| 276 481 R91 | ATTACHMENT, swivel front pull hook (See NOTE)   |
| 278 730 R91 | ATTACHMENT, cigarette lighter (See NOTE)  |
| 303 691 R91 | ATTACHMENT, track roller shield (TD-15-150) (See NOTE)  |
| 322 149 R91 | ATTACHMENT, track roller shield (TD-15-151) (See NOTE)  |
| 303 694 R91 | ATTACHMENT, high temperature range thermostat (175° - 195°) (See NOTE)  |
| 304 236 R91 | ATTACHMENT, 18" clipped corner track shoe (See NOTE) (*)  |
| 304 237 R91 | ATTACHMENT, 16" overlapping flat track shoe (See NOTE) (*)  |
| 304 243 R91 | ATTACHMENT, 18" overlapping flat track shoe (See NOTE) (*)  |
| 318 844 R91 | ATTACHMENT, track chain (TD-150-3501 to 4000) (TD-151-4001 up) (See NOTE)   |
| 306 149 R91 | ATTACHMENT, watch dog fuel filter (See NOTE)  |
| 307 252 R91 | ATTACHMENT, hood side door (TD-15-150) (See NOTE)   |
| 322 216 R91 | ATTACHMENT, hood side door (TD-15-151) (See NOTE)   |
| 307 365 R91 | ATTACHMENT, decelerator (See NOTE)  |
| 320 594 R91 | ATTACHMENT, altitude compensation (TD-15 (150 Series) (See NOTE)  |
| 331 788 R91 | ATTACHMENT, altitude compensation (TD-15 (151 Series) (See NOTE)  |
| 320 351 R91 | ATTACHMENT, exhaust rain cap (See NOTE)   |
| 320 534 R91 | ATTACHMENT, exhaust rain cap (See NOTE)   |
| 322 390 R91 | ATTACHMENT, increased cooling (TD-15 (150 Series) (See NOTE)  |
| 320 589 R91 | ATTACHMENT, pre-cleaner (See NOTE)  |
| 331 491 R91 | ATTACHMENT, suction fan (tropical) (See NOTE)   |
|             | Auxiliary rear light (special) (See NOTE)   |
|             | Double flange track roller (special) (See NOTE)   |
|             | Headlight brush guard (special) (See NOTE)  |
|             | High output generator (special) (See NOTE)  |
|             | Rear Light brush guard (special) (See NOTE)   |
|             | Tail light guard (special) (See NOTE)   |
|             | Transmission oil cooler (special) (See NOTE)  |
|             | Transmission oil filter (special) (See NOTE)  |
|             | (*) - 18-inch is the maximum allowable track shoe width on this combination.  |
|             | NOTE: Detail parts are listed in Standard parts section or Miscellaneous Equipment Section of this catalog.                                 |



## EQUIPMENT COMBINATIONS

### RIGID TRACK LOADER - CONTINUED (Drott)

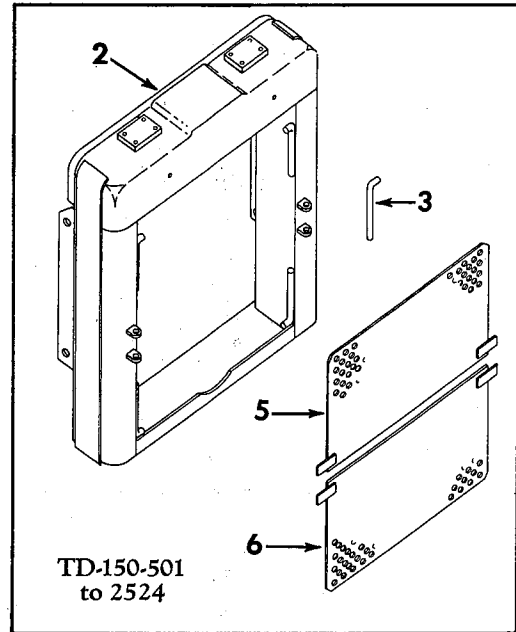
TD-15-420-2 EQUIPMENT COMBINATION, rigid track loader TD-15 (150 Series) and TD-15 (151 Series), 74 inch gauge crawler tractor (for use with Drott 15K-3 steel mill special skid shovel)



## EQUIPMENT COMBINATIONS

### RIGID TRACK LOADER - CONTINUED (Drott)

TD-15-420-2 EQUIPMENT COMBINATION, rigid track loader TD-15 (150 Series) and TD-15 (151 Series), 74 inch gauge crawler tractor (for use with Drott 15K-3 steel mill special skid shovel)



IPA-56951 B

| REF. NO.              | I. H. PART NUMBER | DESCRIPTION   |
|-----------------------|-------------------|---|
| <b>RADIATOR GUARD</b> |                   |   |
| 1                     | 307 687 R91       | FRAME, radiator mounting (TD-15-150)  |
| 1                     | 322 105 R91       | FRAME, radiator mounting (TD-15-151)  |
| 2                     | 304 367 R91       | GUARD w/pump mounting PLATE, 304 366 R1, radiator (order PACKAGE, 322 407 R91) TD-150 501 to 2524 |
| 3                     | 299 842 R1        | PIN, radiator guard door latch TD-150 501 to 2524 (2)   |
|                       | 517 843 R1        | PIN, Q-A, cotter (2)  |
| 4                     | 311 263 R1        | EMBLEM, IH<br>No. 4 x 1/4" drive SCREW (2)  |
| 5                     | 304 346 R11       | DOOR, radiator guard upper TD-150 501 to 2524   |
| 6                     | 299 840 R91       | DOOR, radiator guard lower (TD-150 501 to 2524)   |
| 7                     | 303 667 R1        | RETAINER, radiator guard mounting (4)<br>3/4 x 1-1/4" hex-hd. cap SCREW (4)                       |
| 8                     | 309 370 R1        | DOWEL, radiator guard mounting (4)  |

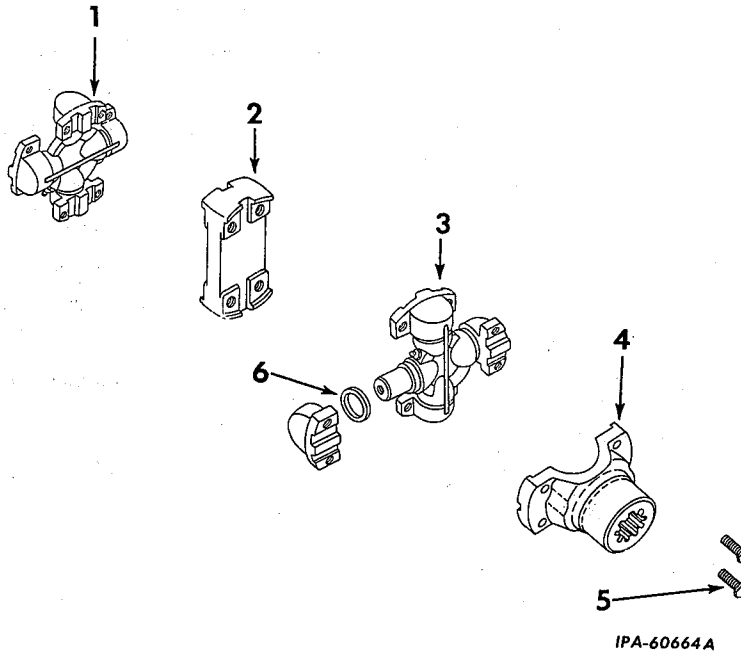
| REF. NO.                          | I. H. PART NUMBER             | DESCRIPTION   |
|-----------------------------------|-------------------------------|---|
| <b>RADIATOR GUARD - Continued</b> |                               |   |
| 9                                 | 314 573 R1                    | PIN, radiator guard door latch (TD-150 2525 to 4000) (TD-151 4001 up)             |
|                                   | 517 843 R1                    | PIN, Q-A, cotter  |
| 10                                | 314 564 R91                   | GUARD, radiator (TD-150 2525 to 4000)   |
| 10                                | 322 102 R91                   | GUARD, radiator (TD-151 4001 up)  |
| 11                                | 274 289 R1                    | RETAINER, radiator mounting frame dowel (4)<br>1/2 x 1-1/4" hex-hd. cap SCREW (4) |
| 12                                | 275 862 R1                    | DOWEL, radiator mounting frame (4)  |
| 13                                | 314 565 R11                   | DOOR, radiator guard lower TD-150 2525 up   |
|                                   | 322 407 R91                   | PACKAGE, radiator guard field service<br>(Consists of -                           |
|                                   | 1                             | DRAWING 1ZG-4699  |
|                                   | 1                             | FRAME 307 687 R91   |
|                                   | 1                             | GUARD 314 564 R91   |
|                                   | § 2                           | PLATE   |
|                                   | § 2                           | TUBE  |
|                                   | § - Not Furnished Separately. |   |



## EQUIPMENT COMBINATIONS

### RIGID TRACK LOADER - CONTINUED (Drott)

TD-15-420-2 EQUIPMENT COMBINATION, rigid track loader TD-15 (150 Series) and TD-15 (151 Series), 74 inch gauge crawler tractor (for use with Drott 15K-3 steel mill special skid shovel)



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

#### POWER TAKE-OFF SHAFT WITH U-JOINT (MECHANICS)

|   |                          |  |
|---|--------------------------|--|
| 1 | 317 712 R92              | SPIDER w/BEARINGS (114-5130-A)   |
| 2 | 317 711 R1<br>321 936 R1 | PLATE, coupling (5491 J)<br>BOLT, coupling plate (5492-J) (4)          |
| 3 | 317 713 R91              | SPIDER w/BEARINGS (114-5127-A)   |
| 4 | 317 708 R1               | YOKE, fitting (16781-J)  |
| 5 | 37 479 HA                | BOLT, 3/8NF x 27/32" (3544-J) (4)<br>3/8" light lock WASHER (4)        |
| 6 | 305 109 R91              | RETAINER and SEAL (12408-J) (8)  |
|   | 110 146 R91              | FITTING, lubrication (Alemite 1792B)<br>(optional with 102 467 H) (2)  |
|   | 102 467 H                | FITTING, lubrication (Lincoln 5042)<br>(optional with 110 146 R91) (2) |



## EQUIPMENT COMBINATIONS

### RIGID TRACK LOADER - CONTINUED (Drott)

TD-15-420-2 EQUIPMENT COMBINATION, rigid track loader TD-15 (150 Series) and TD-15 (151 Series), 74 inch gauge crawler tractor (for use with Drott 15K-3 steel mill special skid shovel)

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

#### POWER TAKE-OFF SHAFT WITH U-JOINT (MECHANICS) - Continued

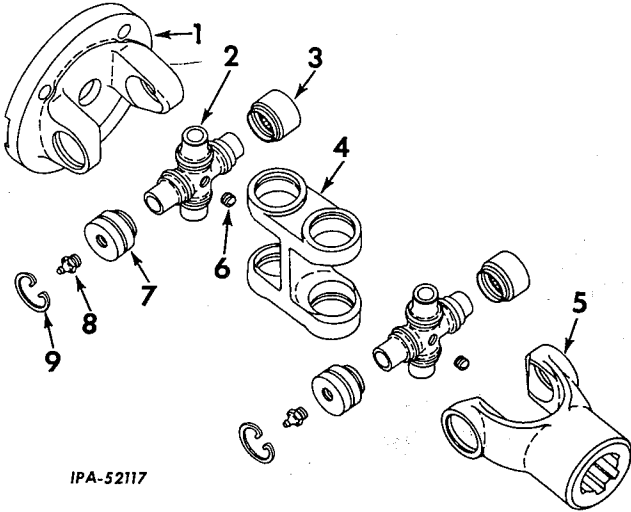
|             |   |
|-------------|---|
| 317 614 R92 | SHAFT w/"U" JOINT ASSEMBLY, power take-off (2A-15571-1) (will work for 305 168 R92) |
|             | (Composed of -  |
| 4           | BOLT 37 479 HA  |
| 4           | BOLT 321 936 R1   |
| 2           | FITTING 102 467 H   |
| 1           | PLATE 317 711 R1  |
| 8           | RETAINER 305 109 R91  |
| 8           | SHIELD 37 335 H   |
| 1           | SPIDER 317 712 R92  |
| 1           | SPIDER 317 713 R91  |
| 2           | WIRE 260 622 R1   |
| 1           | YOKE 317 708 R1 )   |
|             | 3/8NF x 1-3/4" hex-hd cap SCREW (4)   |
|             | 3/8" lock WASHER (4)  |
| 37 335 H    | SHIELD, dust (3542-J) (8)   |
|             | WIRE, locking (16 ga) (.0625 x 104" long)<br>(order 278 027 R1) (2)                 |
| 278 027 R1  | WIRE, locking bulk (16 ga) (customer must specify length required) (X)              |

(X) - As Required.

# EQUIPMENT COMBINATIONS

## RIGID TRACK LOADER - CONTINUED

(Drott)  
 TD-15-420-2 EQUIPMENT COMBINATION, rigid track loader  
 TD-15 (150 Series) and TD-15 (151 Series), 74 inch gauge crawler tractor (for use with Drott 15K-3 steel mill special skid shovel)



IPA-52117

| REF. NO.                                 | I. H. PART NUMBER | DESCRIPTION   |
|--|-------------------|---|
| <b>POWER TAKE-OFF SHAFT WITH U-JOINT</b> |                   |   |
| 1  | 283 455 R1        | YOKE, flange<br>1/2 x 1-1/4" hex-hd. cap SCREW (4)<br>1/2" lock WASHER (4)  |
| 2  | 307 949 R91       | SPIDER ASSEMBLY (will work for 661 672 R1) (2)<br>(Composed of -<br>3 CUP 661 671 R91<br>1 CUP 283 461 R91<br>1 PLUG 103 883<br>4 RING 495 962 R1)                                    |
| 3  | 661 671 R91       | CUP, needle (6)   |
| 4  | 305 862 R1        | CENTER, double  |
| 5  | 299 725 R1        | YOKE, plain   |
| 6  | 103 883           | PLUG, center cross oil (2)  |
| 7  | 283 461 R91       | CUP, needle   |
| 8  | 138 322 H         | FITTING, lubrication (Alemite 1610 BL) (optional with 109 461) (2)  |
| 8  | 109 461           | FITTING, lubrication (Lincoln 5000) (optional with 138 322 H) (2)   |
| 9  | 495 962 R1        | RING, lock (8)  |
| 305 168 R92                              |                   | SHAFT ASSEMBLY, power take-off (order 317 614 R91)<br>(Composed of -<br>1 CENTER 305 862 R1<br>1 FITTING 138 322 H<br>2 SPIDER 307 949 R91<br>1 YOKE 283 455 R1<br>1 YOKE 299 725 R1) |

# EQUIPMENT COMBINATIONS

| I. H. PART NUMBER | DESCRIPTION |
|-------------------|-------------|
|-------------------|-------------|

## SIDEBOOM

(Superior)  
 TD-15-500-2 EQUIPMENT COMBINATION, sideboom TD-15 (150 Series) and TD-15 (151 Series), 74 inch gauge crawler tractor (for use with Superior SBI-150 Sideboom)

|             |   |
|-------------|---|
| 42 902 D    | ATTACHMENT, front pull hook (†)   |
| 304 294 R91 | ATTACHMENT, crankcase guard (†)   |
| 314 100 R91 | ATTACHMENT, 24" clipped corner track shoe (*) (†)   |
| 307 317 R12 | CHANNEL, slide rail (part of Adjustable Seat Slide Rail Service Package and Seat Frame Service Package) (2)                 |
| 276 628 R91 | CLAMP, front, hydraulic pressure line<br>3/8 x 1-1/4" hex-hd. cap SCREW<br>3/8" lock WASHER<br>13/32 x 13/16 x .065" WASHER |
| 273 499 R91 | CUSHION, seat back  |
| 273 500 R92 | CUSHION, set bottom   |
| 273 498 R92 | FRAME w/slide RAIL, seat (order Seat Frame Service Package and Support, 311 286 R91)  |
| 307 312 R91 | FRAME, seat (part of Seat Frame Service Package)  |
| 307 315 R1  | NUT, seat cushion bottom pilot (2)<br>5/16" NF NUT (2)<br>5/16" internal-tooth lock WASHER (4)                              |
| 307 314 R91 | FRAME, seat (order Seat Frame Service Package and Support, 311 286 R91)   |

Frame Rigid Extended (†)

PACKAGE, adjustable seat slide rail service (order the following parts - two CHANNEL, 307 317 R12 and two RAIL, 307 316 R1) (for service on 273 162 R92, 272 399 R1, 273 100 R1 and 273 101 R1)

PACKAGE, seat frame service (together with Support, 311 286 R91 will work for 273 498 R92 and 307 314 R91)

| (order the following parts - |         |             |
|------------------------------|---------|-------------|
| 2                            | CHANNEL | 307 317 R12 |
| 1                            | FRAME   | 307 312 R91 |
| 2                            | NUT     | 307 315 R1  |
| 2                            | PAD     | 311 285 R1  |
| 2                            | RAIL    | 307 316 R1  |

(\*) - 24-inch is the maximum allowable track shoe width on this combination.

(†) - Detail parts are listed in Standard Parts Section, Miscellaneous Equipment or Track Drive Section of this catalog.





## EQUIPMENT COMBINATIONS

| I. H. PART NUMBER | DESCRIPTION |
|-------------------|-------------|
|-------------------|-------------|

**SIDEBOOM - CONTINUED**

(Superior)  
 TD-15-500-2 EQUIPMENT COMBINATION, sideboom TD-15 (150 Series) and TD-15 (151 Series), 74 inch gauge crawler tractor (for use with Superior SBI-150 Sideboom)

|             |  |
|-------------|--|
| 314 101 R91 | PACKAGE, hydraulic conversion parts (used to convert TD-15-500-2 crawler tractor into TD-15-504-2 crawler tractor) (TD-15-150)<br>(Composed of - |
| 1           | ATTACHMENT, radiator guard 309 259 R91   |
| 2           | BEARING, reach rod end 283 442 R91   |
| 2           | BEARING, front control shaft needle 298 175 R91  |
| 1           | BOLT, front control lever locking 295 535 R1   |
| 4           | BOLT (Pump and Valve Unit Attaching 309 162 R1   |
|             | CYLINDERS, hydraulic (†)   |
| 3           | FITTINGS, lubrication (Alemite 1792B) (optional with 102 467 H) 110 146 R91  |
| 3           | FITTINGS, lubrication (Lincoln 5042) (optional with 110 146 R91) 102 467 H   |
| 1           | FITTING, lubrication (Alemite 1610B) (optional with 109 461) 138 322 H   |
| 1           | FITTING, lubrication (Lincoln 5000) (optional with 138 322 H) 109 461  |
| 1           | FITTING, lubrication (Alemite 1911B) (optional with 16 964 R91) 274 510  |
| 1           | FITTING, lubrication (Lincoln 5410) (optional with 274 510) 16 964 R91   |
|             | HOSES, hydraulic (†)   |
| 1           | LEVER, valve control 295 543 R1  |
| 1           | LEVER, front control inner 309 859 R91   |
| 1           | LINK, control 309 867 R91  |
| 1           | NUT, reach rod lock 287 072 R1   |
| 1           | NUT, 5/16" stover lock   |
| 1           | NUT, 3/8" stover lock  |
| 2           | NUT, 1/2NF   |
| 1           | PUMP VALVE UNIT (†) 278 047 R92  |
| 1           | SCREW, 3/8 x 1-7/8" hex-hd cap   |
| 4           | SCREW, 3/8NF x 1-3/4" hex-hd cap   |
| 2           | SCREW, 1/2NF x 1-1/2" hex-hd cap   |
| 2           | SEAL, front control shaft oil 287 085 R91  |
| 1           | SHAFT, front control 309 864 R11   |
| 1           | SHAFT, power take-off (†) 317 615 R91  |
| 4           | WASHER, 3/8" lock )  |



## EQUIPMENT COMBINATIONS

| I. H. PART NUMBER | DESCRIPTION |
|-------------------|-------------|
|-------------------|-------------|

**SIDEBOOM - CONTINUED**

(Superior)  
 TD-15-500-2 EQUIPMENT COMBINATION, sideboom TD-15 (150 Series) and TD-15 (151 Series), 74 inch gauge crawler tractor (for use with Superior SBI-150 Sideboom)

|             |  |
|-------------|--|
| 322 115 R91 | PACKAGE, hydraulic conversion parts (used to convert TD-15-500-2 crawler tractor into TD-15-504-2 crawler tractor) (TD-15-151)<br>(Composed of - |
| 1           | ATTACHMENT, radiator guard 322 109 R91   |
| 2           | BEARING, reach rod end 283 442 R91   |
| 2           | BEARING, front control shaft needle 298 175 R91  |
| 1           | BOLT, front control lever locking 295 535 R1   |
| 4           | BOLT, (Pump and Valve Unit Attaching) 309 162 R1   |
|             | CYLINDERS, hydraulic (†)   |
| 3           | FITTINGS, lubrication (Alemite 1792B) (optional with 102 467 H) 110 146 R91  |
| 3           | FITTINGS, lubrication (Lincoln 5042) (optional with 110 146 R91) 102 467 H   |
| 1           | FITTING, lubrication (Alemite 1610B) (optional with 109 461) 138 322 H   |
| 1           | FITTING, lubrication (Lincoln 5000) (optional with 138 322 H) 109 461  |
| 1           | FITTING, lubrication (Alemite 1911B) (optional with 16 964 R91) 274 510  |
| 1           | FITTING, lubrication (Lincoln 5410) (optional with 274 510) 16 964 R91   |
|             | HOSES, hydraulic (†)   |
| 1           | LEVER, valve control 295 543 R1  |
| 1           | LEVER, front control inner 309 859 R91   |
| 1           | LINK, control 309 867 R91  |
| 1           | NUT, reach rod lock 287 072 R1   |
| 1           | NUT, 5/16" stover lock   |
| 1           | NUT, 3/8" stover lock  |
| 2           | NUT, 1/2NF   |
| 1           | PUMP VALVE UNIT (†) 278 047 R92  |
| 1           | SCREW, 3/8 x 1-7/8" hex-hd cap   |
| 4           | SCREW, 3/8NF x 1-3/4" hex-hd cap   |
| 2           | SCREW, 1/2NF x 1-1/2" hex-hd cap   |
| 2           | SEAL, front control shaft oil 287 085 R91  |
| 1           | SHAFT, front control 309 864 R11   |
| 1           | SHAFT, power take-off (†) 317 615 R91  |
| 4           | WASHER, 3/8" lock  |

(†) - Detail parts are listed in Standard Parts Section, Miscellaneous Equipment or Track Drive Section of this catalog.



## EQUIPMENT COMBINATIONS

| I.H. PART NUMBER | DESCRIPTION |
|------------------|-------------|
|------------------|-------------|

**SIDEBOOM - CONTINUED**

(Superior)

TD-15-500-2 EQUIPMENT COMBINATION, sideboom TD-15 (150 Series) and TD-15 (151 Series), 74 inch gauge crawler tractor (for use with Superior SBI-150 Sideboom) - Continued

|             |   |
|-------------|---|
| 311 285 R1  | PAD, seat support rear mounting (part of Seat Frame Service Package)                            |
|             | RADIATOR GUARD (†)  |
| 273 162 R92 | RAIL, slide (order Adjustable Seat Slide Rail Service Package)                                  |
| 307 316 R1  | RAIL, slide (part of Adjustable Seat Slide Rail Service Package and Seat Frame Service Package) |
|             | 5/16"NF NUT (4)   |
|             | 5/16NF x 1-1/4" hex-hd. cap SCREW   |
|             | 5/16" lock WASHER (4)   |
| 276 629 R1  | SPACER, hydraulic pressure line clamp   |
| 272 236 R11 | SUPPORT, front, seat  |
| 283 321 R91 | SUPPORT, rear, seat (not used with Seat Frame Service Package)                                  |
| 311 284 R91 | SUPPORT, rear seat (lower) (used on units equipped with Seat Frame Service Package)             |
|             | 1/2" NUT (2)  |
|             | 1/2 x 1-3/4" hex-hd. cap SCREW (2)  |
|             | 1/2" lock WASHER (2)  |
| 275 266 R1  | SUPPORT, rear seat (upper) (used on units equipped with Seat Frame Service Package)             |
| 306 668 R11 | TUBE, booster pump suction  |
| 322 370 R1  | TUBE, suction pipe to filter  |

The following additional ATTACHMENTS can also be furnished when ordered to be used with the above SIDE BOOM EQUIPMENT COMBINATION.

|             |  |
|-------------|--|
| 57 614 DA   | ATTACHMENT, cut-away sprocket (TD-150 501 to 3500) (†)                   |
| 314 973 R91 | ATTACHMENT, cut-away sprocket (TD-150 3501 to 4000) (TD-151 4001 up) (†) |
| 324 900 R91 | ATTACHMENT, bi-metallic engine clutch driven member (†)                  |
| 274 630 R91 | ATTACHMENT, blower fan (tropical) (†)                                    |
| 320 616 R91 | ATTACHMENT, sprocket drive housing shield (†)                            |
| 266 337 R91 | ATTACHMENT, fuel strainer (†)  |
| 273 034 R91 | ATTACHMENT, pre-cleaner (†)  |
| 320 588 R91 | ATTACHMENT, pre-cleaner (†)  |
| 273 039 R91 | ATTACHMENT, air pipe extension (†)                                       |
| 274 580 R92 | ATTACHMENT, electric hourmeter (†)                                       |
| 277 289 R91 | ATTACHMENT, exhaust rain cap (†)   |
| 303 691 R91 | ATTACHMENT, track roller shield (TD-15-150) (†)                          |
| 304 248 R91 | ATTACHMENT, radiator shutter (TD-15-150) (†)                             |
| 322 198 R91 | ATTACHMENT, radiator shutter (TD-15-151) (†)                             |
| 307 200 R91 | ATTACHMENT, 20" clipped corner shoe (†) (*)                              |



## EQUIPMENT COMBINATIONS

| I.H. PART NUMBER | DESCRIPTION |
|------------------|-------------|
|------------------|-------------|

**SIDEBOOM - CONTINUED**

(Superior)

TD-15-500-2 EQUIPMENT COMBINATION, sideboom TD-15 (150 Series) and TD-15 (151 Series), 74 inch gauge crawler tractor (for use with Superior SBI-150 Sideboom) - Continued

|             |   |
|-------------|---|
| 306 149 R91 | ATTACHMENT, watch dog fuel filter (†)                     |
| 307 201 R91 | ATTACHMENT, 22" clipped corner shoe (†) (*)               |
| 307 203 R91 | ATTACHMENT, 20" square corner track shoe (*) (†)          |
| 307 204 R91 | ATTACHMENT, 22" square corner track shoe (*) (†)          |
| 314 155 R91 | ATTACHMENT, 24" square corner track shoe (*) (†)          |
| 320 593 R91 | ATTACHMENT, altitude compensation (TD-15 (150 Series) (†) |
| 322 117 R91 | ATTACHMENT, altitude compensation (TD-15 (151 Series) (†) |
| 322 392 R91 | ATTACHMENT, increased cooling (TD-15 (150 Series) (†)     |
| 322 450 R91 | ATTACHMENT, increased cooling (TD-15 (150 Series) (†)     |
| 322 527 R91 | ATTACHMENT, increased cooling (TD-15 (151 Series) (†)     |
| 331 491 R91 | ATTACHMENT, suction fan (tropical) (†)                    |
|             | Decelerator (special) (†)                                 |
|             | Double flange track                                       |
|             | Head light brush guard (special) (†)                      |
|             | High output generator (†)                                 |
|             | Tail light guard (†)                                      |
|             | Transmission oil filter (special) (†)                     |

|             |  |
|-------------|--|
| 311 093 R91 | PACKAGE, dual arc welder conversion parts (Composed of - |
|             | 1 CENTER, double 283 457 R1                              |
|             | 1 FITTING, lubrication                                   |
|             | (Alemite 1688B) (optional                                |
|             | with 126 152) 271 283                                    |
|             | 1 FITTING, lubrication                                   |
|             | (Lincoln 5200) (optional                                 |
|             | with 271 283) 126 152                                    |
|             | 1 FITTING, lubrication                                   |
|             | (Lincoln 5000) (optional                                 |
|             | with 138 322 H) 109 461                                  |
|             | 1 FITTING, lubrication                                   |
|             | (Alemite 1610BL) (optional                               |
|             | with 109 461) 138 322 H                                  |
|             | 1 FLANGE, yoke 283 455 R1                                |
|             | 1 PUMP ASSEMBLY, fuel                                    |
|             | injection (Model "B") 270 170 R91)                       |
|             | (†)  |
|             | 4 SCREW, 7/16 x 1-1/2" hex-hd. cap                       |
|             | 2 SPIDER ASSEMBLY, 307 949 R91                           |
|             | (Composed of -   |
|             | 1 CUP, needle 283 461 R91                                |
|             | 3 CUP, needle 661 671 R91                                |
|             | 1 PLUG, spider   |
|             | oil 103 883  |
|             | 4 RING, lock 495 962 R1)                                 |
|             | 1 YOKE, plain 265 473 R1                                 |
|             | 4 WASHER, 7/16" lock )                                   |

(†) - Refer to Model "B" and "C" Fuel Injection Pump Parts Catalog PU-40D, when ordering parts for complete Model "B" and "C" Fuel Injection Pumps and also for special Model "B" and "C" Fuel Injection Pumps not listed above. For speed charts see Injection Pump Parts Catalog PU-40D.

(\*) - 24-inch is the maximum allowable track shoe width on this combination.

(†) - Detail parts are listed in Standard Parts Section, Miscellaneous Equipment or Track Drive Section of this Catalog.



## EQUIPMENT COMBINATIONS

| I. H. PART NUMBER | DESCRIPTION |
|-------------------|-------------|
|-------------------|-------------|

**SIDEBOOM - CONTINUED**  
(Superior)

TD-15-502-1 EQUIPMENT COMBINATION, sideboom TD-15 (150 Series) and TD-15 (151 Series), 74 inch gauge crawler tractor (for use with Superior SBI-150-BH Sideboom)

|             |  |
|-------------|--|
| 42 902 D    | ATTACHMENT, front pull hook (†)  |
| 304 294 R91 | ATTACHMENT, crankcase guard (†)  |
| 314 100 R91 | ATTACHMENT, 24" track shoe (†) (*)<br>Frame Rigid Extended Track (†)   |
| 283 442 R91 | BEARING, reach rod end (2)   |
| 287 072 R1  | NUT, reach rod end (2)   |
| 297 218 R91 | BEARING, control link rod end (will work for 295 546 R91) (TD-150-501 to 2754)   |
| 287 072 R1  | NUT, control link rod end  |
| 298 175 R91 | BEARING, needle (2) (TD-150-2755 to 4000) (TD-151 4001 up)   |
| 305 874 R1  | BUSHING, front control shaft (will work for 273 278 R91) (2) (TD-150-501 to 2754)  |
| 307 317 R12 | CHANNEL, slide rail (part of Adjustable Seat Slide Rail Service Package and Seat Frame Service Package) (2)  |
| 276 628 R91 | CLAMP, front, hydraulic pressure line<br>3/8 x 1-1/4" hex-hd cap SCREW<br>3/8" lock WASHER<br>13/32 x 13/16 x .065" WASHER   |
| 295 698 R1  | CLAMP-HALF, hose (split flange) (4)<br>3/8" NUT (8)<br>3/8 x 2-1/2" hex-hd cap SCREW (8)<br>3/8" lock WASHER (8)   |
| 273 499 R91 | CUSHION, seat back   |
| 273 500 R92 | CUSHION, set bottom  |
| 109 461     | FITTING, front control shaft lubrication (Lincoln 5000) (optional with 138 322 H) (TD-150-2755 to 4000) (TD-151 4001 up)   |
| 138 322 H   | FITTING, front control shaft lubrication (Alemite 1610BL) (optional with 109 461) (TD-150-2755 to 4000) (TD-151 4001 up)   |
| 110 146 R91 | FITTING, control link lubrication (Alemite 1792B) (optional with 102 467 H)  |
| 102 467 H   | FITTING, control link lubrication (Lincoln 5042) (optional with 110 146 R91)   |
| 274 510     | FITTING, link lubrication (Alemite 1911B) (optional with 16 964 R91) (TD-150 2755 to 4000) (TD-151 4001 up)  |
| 16 964 R91  | FITTING, control link lubrication (Lincoln 5410) (optional with 274 510) (TD-150 2755 to 4000) (TD-151 4001 up)  |
| 310 920 R91 | FITTING, 1" ID split flange straight hose (4)  |
| 310 921 R91 | FITTING, 1" ID straight thread boss hose (2)   |
| 273 498 R92 | FRAME w/slide RAIL, seat (order Seat Frame Service Package and Support, 311 286 R91)   |
| 307 312 R91 | FRAME, seat (part of Seat Frame Service Package)   |
| 307 315 R1  | NUT, seat cushion bottom pilot (2)<br>5/16" NF NUT (2)<br>5/16" internal-tooth lock WASHER (4)   |
| 307 314 R91 | FRAME, seat (order Seat Frame Service Package and Support, 311 286 R91)  |
| 310 917 R91 | HOSE w/FITTING, 310 920 R91 and FITTING, 310 921 R91, pump to bulkhead lower RH (20-1/8" long)<br><br>HOSE (less FITTINGS) pump to bulkhead lower RH (1" ID x 15-5/8" long) (order Aeroquip 1509-16) |



## EQUIPMENT COMBINATIONS

| I. H. PART NUMBER | DESCRIPTION |
|-------------------|-------------|
|-------------------|-------------|

**SIDEBOOM - CONTINUED**  
(Superior)

TD-15-502-1 EQUIPMENT COMBINATION, sideboom TD-15 (150 Series) and TD-15 (151 Series), 74 inch gauge crawler tractor (for use with Superior SBI-150-BH Sideboom)

|             |   |
|-------------|---|
| 313 085 R91 | HOSE w/FITTING, 310 920 R91 and FITTING, 310 921 R91, pump to bulkhead upper RH (23-1/2" long)  |
|             | HOSE (less FITTINGS) pump to bulkhead upper RH (1" ID x 19" long) (order Aeroquip 1509-16)  |
| 295 534 R1  | LEVER, inner front control (TD-150-501 to 2754)   |
| 295 535 R1  | BOLT, control lever locking   |
| 551 172     | NUT, lock   |
| 309 859 R91 | LEVER, inner front control (TD-150 2755 to 4000) (TD-151 4001 up)   |
| 295 535 R1  | BOLT, control lever locking<br>5/16" stover lock NUT  |
| 295 543 R1  | LEVER, valve control  |
| 551 193 R1  | NUT, lock<br>3/8 x 1-7/8" hex-hd cap SCREW  |
| 295 541 R91 | LINK, 295 542 R11 w/BEARING, 295 546 R91 and NUT, 287 072 R1, control   |
| 620 352 R1  | NUT, lock (2)<br>1/2 x 2" hex-hd cap SCREW (2)  |
| 295 542 R11 | LINK, control   |
| 287 058 R91 | OIL SEAL, front and rear control shaft (TD-150 2755 to 4000) (TD-151 4001 up) (2)   |
| 295 926 R1  | MANIFOLD, hose<br>1/2 x 1-1/4" hex-hd cap SCREW (2)<br>1/2 x 3" hex-hd cap SCREW (3)<br>1/2" lock WASHER (5)  |
| 283 189 R1  | "O" RING, pump to bulkhead hose (1-5/16 x 1-9/16 x 1/8") (2)  |
| 296 247 R1  | "O" RING, manifold (used with 1" tubing) (4)<br>PACKAGE, adjustable seat slide rail service (order the following parts - two CHANNEL, 307 317 R12 and two RAIL, 307 316 R1) (for service on 273 162 R92, 272 399 R1, 273 100 R1 and 273 101 R1) |
|             | PACKAGE, seat frame service (together with Support, 311 286 R91 will work for 273 498 R92 and 307 314 R91) (order the following parts -   |
|             | 2 CHANNEL 307 317 R12   |
|             | 1 FRAME 307 312 R91   |
|             | 2 NUT 307 315 R1  |
|             | 2 PAD 311 285 R1  |
|             | 2 RAIL 307 316 R1)  |
| 311 285 R1  | PAD, seat support rear mounting (part of Seat Frame Service Package)  |
| 9 410 363   | PLUG, valve manifold (2)<br>RADIATOR GUARD (See NOTE 2)   |
| 273 162 R92 | RAIL, slide (order Adjustable Seat Slide Rail Service Package)  |
| 307 316 R1  | RAIL, slide (part of Adjustable Seat Slide Rail Service Package and Seat Frame Service Package)<br>5/16" NF NUT (4)<br>5/16NF x 1-1/4" hex-hd cap SCREW<br>5/16" lock WASHER (4)  |
|             | SHAFT, Power take-off (See NOTE 2)  |
|             | (*) - 24 - inch is the maximum allowable track shoe width on this combination.  |
|             | (†) - Detail parts are listed in Standard Parts Section, Miscellaneous Equipment or Track Drive Section of this Catalog.  |
|             | NOTE 2 - Detail parts are listed and illustrated in the "Units Common for Equipment Combinations" section.  |



## EQUIPMENT COMBINATIONS

I. H. PART  
NUMBER

DESCRIPTION

## SIDEBOOM - CONTINUED

(Superior)

TD-15-502-1 EQUIPMENT COMBINATION, sideboom TD-15  
(150 Series) and TD-15 (151 Series), 74 inch gauge crawler tractor  
(for use with Superior SBI-150 BH Sideboom)

|             |  |
|-------------|--|
| 296 987 R11 | SHAFT, front control (TD-150 501 to 4754)  |
| 309 864 R11 | SHAFT, front control (TD-150 2755 to 4000)<br>(TD-151 4001 up)                         |
| 276 629 R1  | SPACER, hydraulic pressure line clamp  |
| 283 321 R91 | SUPPORT, rear, seat (not used with Seat<br>Frame Service Package)                      |
| 311 284 R91 | SUPPORT, rear seat (lower) (used on units<br>equipped with Seat Frame Service Package) |
|             | 1/2 NUT (2)  |
|             | 1/2 x 1-3/4" hex-hd cap SCREW (2)  |
|             | 1/2" lock WASHER (2)   |
| 275 266 R1  | SUPPORT, rear seat (upper) (used on units<br>equipped with Seat Frame Service Package) |
| 306 668 R11 | TUBE, booster pump suction   |
| 311 265 R1  | TUBE, "O" ring seat (2)  |
| 322 370 R1  | TUBE, suction pipe to filter   |

278 047 R92 UNIT, pump and valve (See NOTE 2)

The following additional ATTACHMENTS can  
also be furnished when ordered to be used  
with the above SIDE BOOM EQUIPMENT  
COMBINATION

|             |   |
|-------------|---|
| 57 614 DA   | ATTACHMENT, cut-away sprocket<br>(TD-150 501 to 3500) (†)                   |
| 314 973 R91 | ATTACHMENT, cut-away sprocket (TD-150<br>3501 to 4000) (TD-151 4001 up) (†) |
| 324 900 R91 | ATTACHMENT, bi-metallic engine clutch<br>driven member (†)                  |
| 320 616 R91 | ATTACHMENT, sprocket drive housing<br>shield (†)                            |
| 266 337 R91 | ATTACHMENT, fuel strainer (†)   |
| 273 034 R91 | ATTACHMENT, pre-cleaner (†)   |
| 320 588 R91 | ATTACHMENT, pre-cleaner (†)   |
| 273 039 R91 | ATTACHMENT, air pipe extension (†)  |
| 274 580 R92 | ATTACHMENT, electric hourmeter (†)  |
| 277 289 R91 | ATTACHMENT, exhaust rain cap (†)  |
| 303 691 R91 | ATTACHMENT, track roller shield (TD-15-<br>150) (†)                         |
| 304 236 R91 | ATTACHMENT, 18" clipped corner track<br>shoe (*) (†)                        |
| 304 248 R91 | ATTACHMENT, radiator shutter (TD-15-<br>150) (†)                            |
| 322 198 R91 | ATTACHMENT, radiator shutter (TD-15-<br>151) (†)                            |
| 306 149 R91 | ATTACHMENT, watch dog fuel filter (†)                                       |
| 307 200 R91 | ATTACHMENT, 20" clipped corner track<br>shoe (*) (†)                        |
| 307 201 R91 | ATTACHMENT, 22" clipped corner track shoe<br>(*) (†)                        |
| 307 202 R91 | ATTACHMENT, 18" square corner track<br>shoe (*) (†)                         |
| 307 203 R91 | ATTACHMENT, 20" square corner track<br>shoe (*) (†)                         |
| 307 204 R91 | ATTACHMENT, 22" square corner track<br>shoe (*) (†)                         |
| 224 630 R91 | ATTACHMENT, blower fan (tropical) (†)                                       |
| 320 593 R91 | ATTACHMENT, altitude compensation<br>(TD-15 (150 Series) (†)                |
| 322 117 R91 | ATTACHMENT, altitude compensation<br>(TD-15 (151 Series) (†)                |
| 322 392 R91 | ATTACHMENT, increased cooling<br>(TD-15 (150 Series) (†)                    |
| 322 450 R91 | ATTACHMENT, increased cooling (TD-15<br>(150 Series) (†)                    |
| 322 527 R91 | ATTACHMENT, increased cooling (TD-15<br>(151 Series) (†)                    |
| 331 491 R91 | ATTACHMENT, suction fan (tropical) (†)                                      |
|             | Decelerator (†)   |
|             | Double Flange Track Roller (†)  |
|             | Headlight brush guard (†)   |
|             | High output generator (†)   |
|             | Tail light guard (†)  |
|             | Transmission oil filter (†)   |

(\*) - 24 inch is the maximum allowable track  
shoe width on this combination.



## EQUIPMENT COMBINATIONS

I. H. PART  
NUMBER

DESCRIPTION

## SIDEBOOM

(Superior)

TD-15-504-2 EQUIPMENT COMBINATION, sideboom TD-15  
(150 Series) and TD-15 (151 Series), 74 inch gauge crawler tractor  
(for use with Superior SBI-150 Sideboom and Hydraulic Blade  
Backfiller or SBI-150-BH Sideboom and Hydraulic Blade Backfiller)

|             |   |
|-------------|---|
| 42 902 D    | ATTACHMENT, front pull hook (†)   |
| 304 294 R91 | ATTACHMENT, crankcase guard (†)   |
| 307 204 R91 | ATTACHMENT, 22" square corner<br>track shoe (*) (†)   |
| 283 442 R91 | BEARING, reach rod end (2)  |
| 287 072 R1  | NUT, reach rod end (2)  |
| 297 218 R91 | BEARING, control link rod end (will work<br>for 295 546 R91) (TD-150-501 to 2754)   |
| 287 072 R1  | NUT   |
| 298 175 R91 | BEARING, needle (2) (TD-150-2755 to 4000)<br>(TD-151 4001 up)   |
| 305 874 R1  | BUSHING, front control shaft (will work<br>for 273 278 R91) (2) (TD-150 501 to 2754)  |
| 307 317 R12 | CHANNEL, slide rail (part of Adjustable<br>Seat Slide Rail Service Package and Seat<br>Frame Service Package) (2)               |
| 276 628 R91 | CLAMP, front, hydraulic pressure line<br>3/8 x 1-1/4" hex-hd. cap SCREW<br>3/8" lock WASHER<br>13/32 x 13/16 x .065" WASHER     |
| 273 499 R91 | CUSHION, seat back  |
| 273 500 R92 | CUSHION, set bottom   |
| 109 461     | FITTING, front control shaft lubrication<br>(Lincoln 5000) (optional with 138 322 H)<br>(TD-150-2755 to 4000) (TD-151 4001 up)  |
| 138 322 H   | FITTING, front control shaft lubrication<br>(Alemite 1610 BL) (optional with 109 461)<br>(TD-150-2755 to 4000) (TD-151 4001 up) |
| 110 146 R91 | FITTING, control link lubrication (Alemite<br>1792B) (optional with 102 467 H)  |
| 102 467 H   | FITTING, control link lubrication (Lincoln<br>5042) (optional with 110 146 R91)   |
| 274 510     | FITTING, control link lubrication (Alemite<br>1911B) (optional with 16 964 R91)<br>(TD-150-2755 to 4000) (TD-151 4001 up)       |
| 16 964 R91  | FITTING, control link lubrication (Lincoln<br>5410) (optional with 274 510)<br>(TD-150-2755 to 4000) (TD-151 4001 up)           |
| 273 498 R92 | FRAME w/slide RAIL, seat (order Seat<br>Frame Service Package and Support,<br>311 286 R91)                                      |
| 307 312 R91 | FRAME, seat (part of Seat Frame Service<br>Package)   |
| 307 315 R1  | NUT, seat cushion bottom pilot (2)<br>5/16" NF NUT (2)<br>5/16" internal-tooth lock WASHER (4)                                  |
| 307 314 R91 | FRAME, seat (order Seat Frame Service<br>Package and Support, 311 286 R91)  |
|             | Frame Rigid Extended Track (†)  |

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

(†) - Detail parts are listed in Standard Parts  
Parts Section, Miscellaneous Equipment  
or Track Drive Section of this catalog.

NOTE 2 - Detail parts are listed and  
illustrated in the "Units Common  
for Equipment Combinations"  
section.



## EQUIPMENT COMBINATIONS

| I.H. PART NUMBER   | DESCRIPTION   |
|--|---|
| <b>SIDEBOOM - CONTINUED</b><br>(Superior)  |   |
| TD-15-504-2 EQUIPMENT COMBINATION, sideboom TD-15 (150 Series) and TD-15 (151 Series), 74 inch gauge crawler tractor (for use with Superior SBI-150 Sideboom and Hydraulic Blade Backfiller or SBI-150-BH Sideboom and Hydraulic Blade Backfiller) |   |
| 295 534 R1   | LEVER, inner front control (TD-150-501 to 2754)   |
| 295 535 R1   | BOLT, control lever locking   |
| 551 172  | NUT, lock   |
| 309 859 R91  | LEVER, inner front control (TD-150-2755 to 4000) (TD-151 4001 up)   |
| 295 535 R1   | BOLT, control lever locking<br>5/16" stover lock NUT  |
| 295 543 R1   | LEVER, valve control  |
| 551 193 R1   | NUT, lock<br>3/8 x 1-7/8" hex-hd cap SCREW  |
| 295 541 R91  | LINK, 295 542 R11 w/BEARING,<br>295 546 R91 and NUT, 287 072 R1, control  |
| 620 352 R1   | NUT, lock (2)<br>1/2 x 2" hex-hd cap SCREW (2)  |
| 295 542 R11  | LINK, control   |
| 287 058 R91  | OIL SEAL, front and rear control shaft (2)<br>(TD-150-2755 to 4000) (TD-151 4001 up)  |
|  | PACKAGE, adjustable seat slide rail service (order the following parts - two CHANNEL, 307 317 R12 and two RAIL, 307 316 R1) (for service on 273 162 R92, 272 399 R1, 273 100 R1 and 273 101 R1) |
|  | PACKAGE, seat frame service (together with Support, 311 286 R91 will work for 273 498 R92 and 307 314 R91) (order the following parts -   |
|  | 2 CHANNEL 307 317 R12   |
|  | 1 FRAME 307 312 R91   |
|  | 2 NUT 307 315 R1  |
|  | 2 PAD 311 285 R1  |
|  | 2 RAIL 307 316 R1)  |
| 311 285 R1   | PAD, seat support rear mounting (part of Seat Frame Service Package)  |
|  | RADIATOR GUARD (See NOTE 2)   |
| 273 162 R92  | RAIL, slide (order Adjustable Seat Slide Rail Service Package)  |
|  | Rail Service Package and Seat Frame   |
| 307 316 R1   | RAIL, slide (part of Adjustable Seat Slide Service Package)<br>5/16" NF NUT (4)<br>5/16" NF x 1-1/4" hex-hd. cap SCREW<br>5/16" lock WASHER (4)   |
|  | SHAFT, power take-off (See NOTE 2)  |
| 296 987 R11  | SHAFT, front control (TD-150-501 to 2754)   |
| 309 864 R11  | SHAFT, front control (TD-150-2755 to 4000) (TD-151 4001 up)   |
| 276 629 R1   | SPACER, hydraulic pressure line clamp   |
| 283 321 R91  | SUPPORT, rear, seat (not used with Seat Frame Service Package)  |
| 311 284 R91  | SUPPORT, rear seat (lower) (used on units equipped with Seat Frame Service Package)<br>1/2 NUT (2)<br>1/2 x 1-3/4" hex-hd. cap SCREW (2)<br>1/2" lock WASHER (2)                                |
| 275 266 R1   | SUPPORT, rear seat (upper) (used on units equipped with Seat Frame Service Package)   |



## EQUIPMENT COMBINATIONS

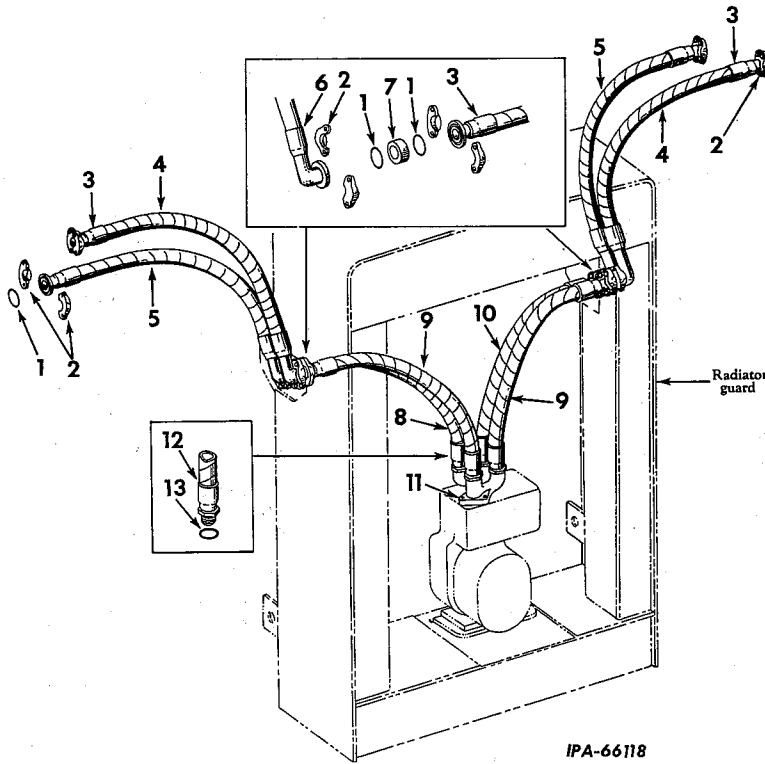
| I.H. PART NUMBER   | DESCRIPTION  |
|--|--|
| <b>SIDEBOOM - CONTINUED</b><br>(Superior)  |  |
| TD-15-504-2 EQUIPMENT COMBINATION, sideboom TD-15 (150 Series) and TD-15 (151 Series), 74 inch gauge crawler tractor (for use with Superior SBI-150 Sideboom and Hydraulic Blade Backfiller or SBI-150-BH Sideboom and Hydraulic Blade Backfiller) |  |
| 306 668 R11  | TUBE, booster pump suction   |
| 322 370 R1   | TUBE, suction pipe to filter   |
| 278 047 R92  | UNIT, pump and valve (See NOTE 2)  |
| The following additional ATTACHMENTS can also be furnished when ordered to be used with the above SIDE BOOM EQUIPMENT COMBINATION  |  |
| 57 614 DA  | ATTACHMENT, cut-away sprocket (TD-150-501 to 3500) (†)   |
| 314 973 R91  | ATTACHMENT, cut-away sprocket (TD-150-3501 to 4000) (TD-151 4001 up) (†)   |
| 324 900 R91  | ATTACHMENT, bi-metallic engine clutch driven member (†)  |
| 274 630 R91  | ATTACHMENT, blower fan (tropical) (†)  |
| 320 616 R91  | ATTACHMENT, sprocket drive housing shield (†)  |
| 266 337 R91  | ATTACHMENT, fuel strainer (†)  |
| 273 034 R91  | ATTACHMENT, pre-cleaner (†)  |
| 320 588 R91  | ATTACHMENT, pre-cleaner (†)  |
| 273 039 R91  | ATTACHMENT, air pipe extension (†)   |
| 274 580 R92  | ATTACHMENT, electric hourmeter (†)   |
| 277 289 R91  | ATTACHMENT, exhaust rain cap (†)   |
| 303 691 R91  | ATTACHMENT, track roller shield (TD-15-150) (†)  |
| 304 236 R91  | ATTACHMENT, 18" clipped corner track shoe (*) (†)  |
| 304 248 R91  | ATTACHMENT, radiator shutter (TD-15-150) (†)   |
| 322 198 R91  | ATTACHMENT, radiator shutter (TD-15-151) (†)   |
| 306 149 R91  | ATTACHMENT, watch dog fuel filter (†)  |
| 307 200 R91  | ATTACHMENT, 20" clipped corner track shoe (*) (†)  |
| 307 202 R91  | ATTACHMENT, 18" square corner track shoe (*) (†)   |
| 307 203 R91  | ATTACHMENT, 20" square corner track shoe (*) (†)   |
| 320 593 R91  | ATTACHMENT, altitude compensation (TD-15 (150 Series) (†)  |
| 322 117 R91  | ATTACHMENT, altitude compensation (TD-15 (151 Series) (†)  |
| 322 392 R91  | ATTACHMENT, increased cooling (TD-15 (150 Series) (†)  |
| 322 450 R91  | ATTACHMENT, increased cooling (TD-15 (150 Series) (†)  |
| 322 527 R91  | ATTACHMENT, increased cooling (TD-15 (150 Series) (†)  |
| 331 491 R91  | ATTACHMENT, suction fan (tropical) (†)<br>Decelerator (special) (†)<br>Headlight brush guard (†)<br>High output generator (†)<br>Tail light guard (†)<br>Transmission oil filter (special) (†)<br>Double flange track roller (special) (†) |
| (*) - 22-inch is the maximum allowable track shoe width on this combination.   |  |
| (†) - Detail parts are listed in Standard Parts Section, Miscellaneous Equipment or Track Drive Section of this Catalog.   |  |
| NOTE 2 - Detail parts are listed and illustrated in the "Units Common for Equipment Combinations" section.   |  |



## EQUIPMENT COMBINATIONS

SIDEBOOM - CONTINUED  
(Superior)

TD-15-504-2 EQUIPMENT COMBINATION, sideboom TD-15 (150 Series) and TD-15 (151 Series), 74 inch gauge crawler tractor (for use with Superior SBI-150 Sideboom and Hydraulic Blade Backfiller or SBI-150-BH Sideboom and Hydraulic Blade Backfiller)



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## EQUIPMENT COMBINATIONS

SIDEBOOM - CONTINUED  
(Superior)

TD-15-504-2 EQUIPMENT COMBINATION, sideboom TD-15 (150 Series) and TD-15 (151 Series), 74 inch gauge crawler tractor (for use with Superior SBI-150 Sideboom and Hydraulic Blade Backfiller or SBI-150-BH Sideboom and Hydraulic Blade Backfiller)

| REF. NO.               | I.H. PART NUMBER | DESCRIPTION  |
|------------------------|------------------|--|
| <b>HYDRAULIC HOSES</b> |                  |  |
| 1                      | 283 189 R1       | "O" RING, pump to bulkhead hose and bulkhead to cylinder hose (1-5/16 x 1-9/16 x 1/8") (12)  |
| 2                      | 295 698 R1       | CLAMP-HALF, hose (split flange) (24)<br>3/8" NUT (16)<br>3/8 x 1-1/4" hex-hd cap SCREW (16)<br>3/8 x 2-1/2" hex-hd cap SCREW (16)<br>3/8" lock WASHER (32)             |
| 3                      | 324 204 R91      | FITTING, 1" ID x split flange straight hose (8)  |
| 4                      | 324 195 R91      | HOSE w/FITTING, 324 204 R91 and FITTING, 324 205 R91, bulkhead to cylinder upper (HOSE, 1" ID x 43-1/2" long including FITTINGS) (Aeroquip No. A-150891-16-43-1/2) (2) |
| 5                      | 324 196 R91      | HOSE w/FITTING, 324 204 R91 and FITTING, 324 205 R91, bulkhead to cylinder lower (HOSE, 1" ID x 38" long including FITTINGS) (Aeroquip No. A-150891-16-38) (2)         |
| 6                      | 324 205 R91      | FITTING, 1" ID split flange 90° hose (4)   |
| 7                      | 311 265 R1       | TUBE, "O" ring seat (4)  |
| 8                      | 324 769 R91      | HOSE w/FITTING, 310 921 R91 and FITTING, 324 204 R91, pump to bulkhead lower RH (HOSE, 1" ID x 20-5/8" long including FITTINGS)  |
| 8                      |                  | HOSE w/o FITTINGS, cut length 1" ID x 16-1/8" long cut from bulk hose No. 313 245 R1)  |

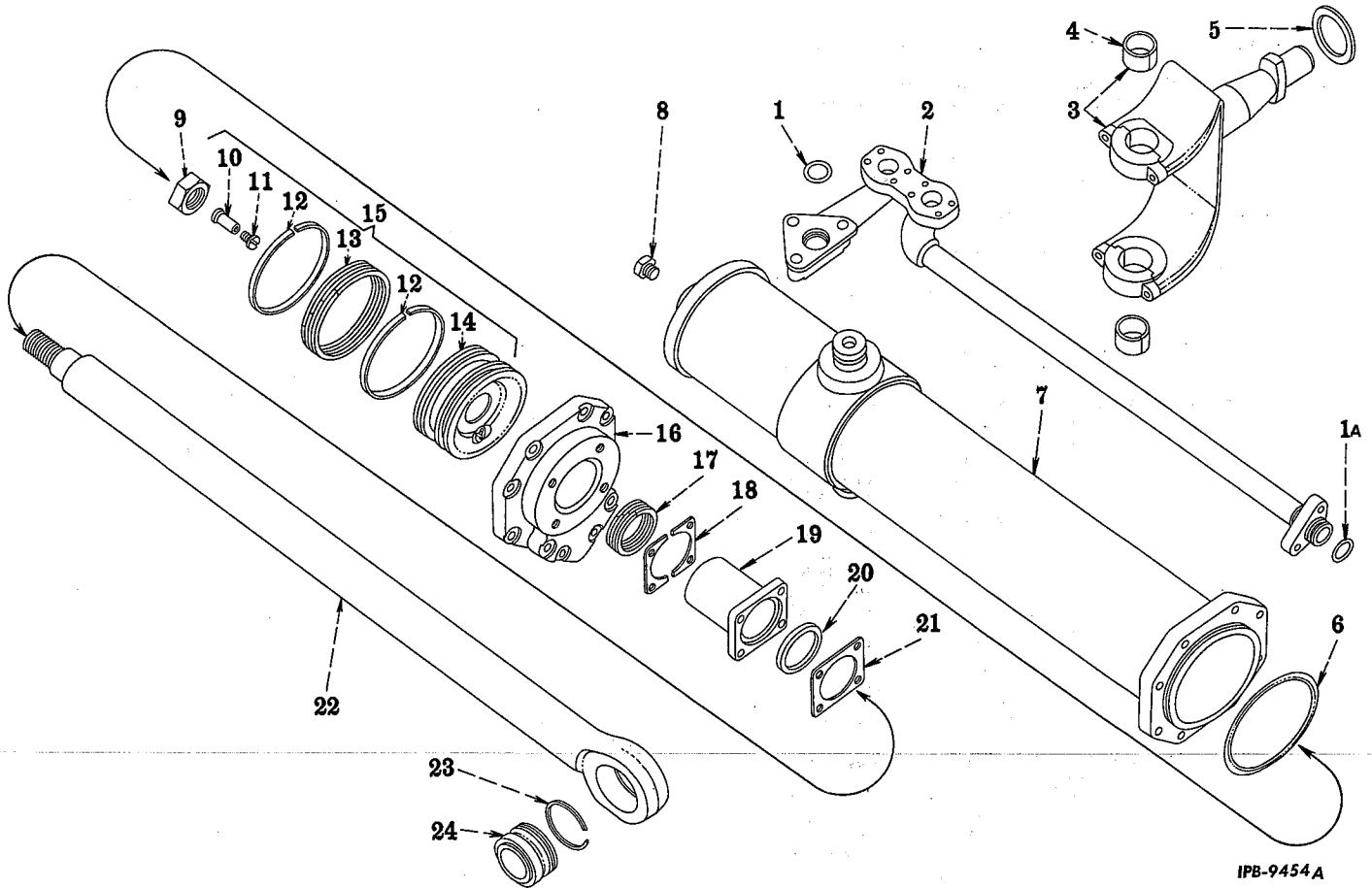
| REF. NO.                           | I.H. PART NUMBER | DESCRIPTION   |
|------------------------------------|------------------|---|
| <b>HYDRAULIC HOSES - Continued</b> |                  |   |
| 9                                  | 324 771 R91      | HOSE w/FITTING, 310 921 R91 and FITTING, 324 204 R91, pump to bulkhead (HOSE, 1" ID x 24" long including FITTINGS) (2)          |
| 9                                  |                  | HOSE w/o FITTINGS, cut length 1" ID x 19-1/2" long cut from bulk hose No. 313 245 R1 (2)  |
| 10                                 | 324 770 R91      | HOSE w/FITTING, 310 921 R91 and FITTING, 324 204 R91, pump to bulkhead lower LH (HOSE, 1" ID x 21-1/2" long including FITTINGS) |
| 10                                 |                  | HOSE w/o FITTINGS, cut length 1" ID x 17" long cut from bulk hose No. 313 245 R1  |
| 11                                 | 295 926 R1       | MANIFOLD, hose<br>1/2 x 1-1/4" hex-hd cap SCREW (2)<br>1/2 x 3" hex-hd cap SCREW (3)<br>1/2" lock WASHER (5)                    |
| 12                                 | 310 921 R91      | FITTING, 1" ID straight thread boss hose (4)  |
| 13                                 | 296 247 R1       | "O" RING, manifold (used with 1" tubing) (4)  |
|                                    | 313 245 R1       | HOSE, 1" ID bulk (X)  |
|                                    | 252 482 R1       | "O" RING, valve manifold (1-1/2 x 1-3/4 x 1/8") (2)   |

(X) - Order cut length as Required.

**EQUIPMENT COMBINATIONS**

**SIDEBOOM - CONTINUED**  
(Superior)

TD-15-504-2 EQUIPMENT COMBINATION, sideboom TD-15 (150 Series) and TD-15 (151 Series), 74 inch gauge crawler tractor (for use with Superior SBI-150 Sideboom and Hydraulic Blade Backfiller or SBI-150 BH Sideboom and Hydraulic Blade Backfiller)



IPB-9454A

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

HYDRAULIC CYLINDER (TD-15 (150 Series))

|    |             |   |
|----|-------------|---|
| 1  | 252 728 R1  | "O" RING, manifold (1-3/16 x 1-7/16 x 1/8") (will work for 252 673 R1) (2)                            |
| 1A | 356 005 R1  | "O" RING, manifold (1-1/8 x 1-3/8 x 1/8") (will work for 252 673 R1) (2)                              |
| 2  | 295 908 R91 | MANIFOLD, RH hydraulic cylinder 3/8 x 3-1/4" hex-hd. cap SCREW (2) 1/2 x 3-1/4" hex-hd. cap SCREW (3) |
| 2  | 295 907 R91 | MANIFOLD, LH hydraulic cylinder 3/8 x 3-1/4" hex-hd. cap SCREW (2) 1/2 x 3-1/4" hex-hd. cap SCREW (3) |
| 3  | 294 682 R12 | CAP and YOKE w/two BUSHING, 294 684 R1, hoist (2)   |
| 4  | 294 684 R1  | BUSHING, hoist yoke and cap (4) 1/4" bushing retainer PIN (4)   |
| 5  | 294 685 R1  | WASHER, hoist yoke thrust (2)   |
| 6  | 295 906 R1  | "O" RING, cylinder cap (4-7/8 x 5-1/8 x 1/8") (2)   |
| 7  | 295 893 R92 | HOUSING, hydraulic cylinder (2)   |
| 8  | 444 823     | PLUG, 3/8" pipe (will work for 18 532 R1) (2)   |
| 9  | 18 489 R1   | NUT, 1-1/4NF stop (2)   |

**EQUIPMENT COMBINATIONS**

**SIDEBOOM - CONTINUED**  
(Superior)

TD-15-504-2 EQUIPMENT COMBINATION, sideboom TD-15 (150 Series) and TD-15 (151 Series), 74 inch gauge crawler tractor (for use with Superior SBI-150 Sideboom and Hydraulic Blade Backfiller or SBI-150 BH Sideboom and Hydraulic Blade Backfiller)

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

HYDRAULIC CYLINDER (TD-15 (150 Series) - Continued)

|    |             |  |
|----|-------------|--|
| 10 |             | STEM, relief valve (order 296 590 R91) (4)   |
| 11 |             | END, relief valve (order 296 590 R91) (4)  |
| 12 | 295 903 R1  | RING, piston rod wear (4)  |
| 13 | 295 904 R92 | PACKING, piston (2)  |
| 14 |             | PISTON, hydraulic (order 295 902 R13)  |
| 15 | 295 902 R13 | PISTON ASSEMBLY, hydraulic (2)   |
|    |             | (Composed of -   |
|    | § 2         | END  |
|    | 1           | PACKING 295 904 R92  |
|    | § 1         | PISTON   |
|    | 2           | RING 295 903 R1  |
|    | § 2         | STEM   |
| 16 | 295 905 R1  | CAP, hydraulic cylinder (2) 7/16 x 2-1/4" hex-hd. cap SCREW (12) 7/16 x 3-1/4" hex-hd. cap SCREW (4) |
| 17 | 294 512 R92 | PACKING, piston rod (2)  |
| 18 | 294 515 R1  | SHIM, packing gland (68)   |
| 19 | 294 514 R2  | GLAND, hydraulic cylinder packing (2)  |

§ - Not Furnished Separately



# EQUIPMENT COMBINATIONS

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

**SIDEBOOM - CONTINUED**

(Superior)  
 TD-15-504-2 EQUIPMENT COMBINATION, sideboom TD-15 (150 Series) and TD-15 (151 Series), 74 inch gauge crawler tractor (for use with Superior SBI-150 Sideboom and Hydraulic Blade Backfiller or SBI-150 BH Sideboom and Hydraulic Black Backfiller)

**HYDRAULIC CYLINDER (TD-15(150 Series) - Continued**

20 294 513 R91 SEAL, dust (optional with 297 490 R91) (2)  
 20 297 490 R91 SEAL, dust (optional with 294 513 R91) (2)

21 294 516 R1 PLATE, dust seal retainer (2)  
 1/2 x 1-3/8" hex-hd. cap SCREW (8)

22 295 901 R1 ROD, piston (2)

23 294 886 R2 RING, bushing snap (2)

24 294 885 R91 BUSHING, self-aligning (optional with 299 480 R91) (2)

24 299 480 R91 BUSHING, self-aligning (optional with 294 885 R91) (2)

295 891 R95 CYLINDER ASSEMBLY, LH hydraulic  
 (Composed of -  
 1 CAP 295 905 R1  
 3 FITTING 138 322 H  
 1 GLAND 294 514 R2  
 1 HOUSING 295 893 R92  
 1 MANIFOLD 295 907 R91  
 1 NUT 18 489 R1  
 1 "O" RING 252 728 R1  
 1 "O" RING 295 906 R1  
 1 "O" RING 356 005 R1  
 1 PACKING 294 512 R92  
 1 PISTON 295 902 R13  
 1 PLATE 294 516 R1  
 1 PLUG 444 823  
 1 ROD 295 901 R1  
 1 SEAL 294 513 R91  
 34 SHIM 294 515 R1)

295 892 R95 CYLINDER ASSEMBLY, RH hydraulic  
 (Composed of -  
 1 CAP 295 905 R1  
 3 FITTING 138 322 H  
 1 GLAND 294 514 R2  
 1 HOUSING 295 893 R92  
 1 MANIFOLD 295 908 R91  
 1 NUT 18 489 R1  
 1 "O" RING 252 728 R1  
 1 "O" RING 295 906 R1  
 1 "O" RING 356 005 R1  
 1 PACKING 294 512 R92  
 1 PISTON 295 902 R13  
 1 PLATE 294 516 R1  
 1 PLUG 444 823  
 1 ROD 295 901 R1  
 1 SEAL 294 513 R91  
 34 SHIM 294 515 R1)

138 322 H FITTING, 1/8" lubrication (Alemite 1610BL)  
 (optional with 109 461) (6)

109 461 FITTING, 1/8" lubrication (Lincoln 5000)  
 (optional with 138 322 H) (6)

290 998 R1 PIN, strut bracket (1-3/4 x 5-5/16") (4)

290 297 R1 PIN, strut bracket eye (3/4 x 3-1/4") (2)  
 5/8 x 1-1/2" hex-hd. cap SCREW (2)  
 5/8" external-tooth lock WASHER (2)

SCREW, 5/8 x 2" hex-hd. cap (Used with hoist cylinder yoke CAP) (8)

WASHER, 5/8" external-tooth lock (used with hoist cylinder yoke CAP) (8)

296 590 R91 VALVE w/END and STEM, relief (will work for 294 472 R2 and 294 473 R21) (4)



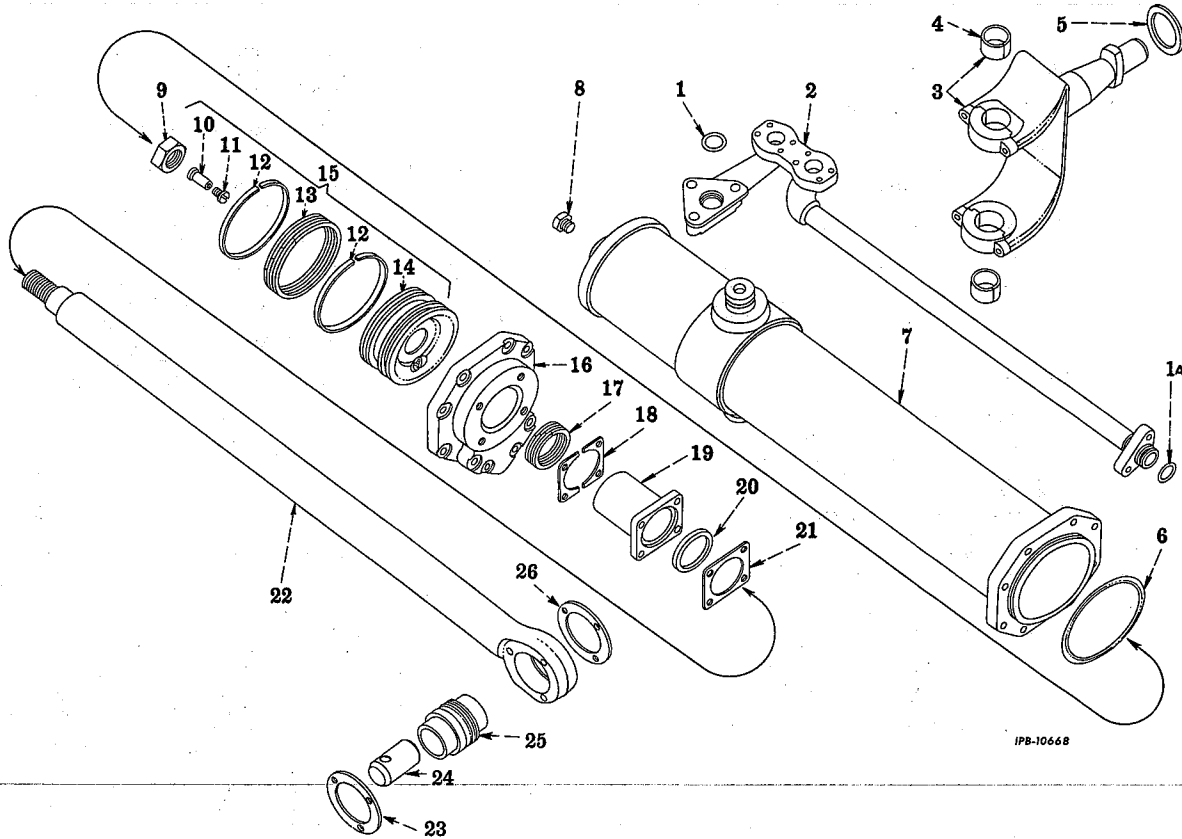
# MEMORANDUM



**EQUIPMENT COMBINATIONS**

**SIDEBOOM - CONTINUED**  
(Superior)

TD-15-504-2 EQUIPMENT COMBINATION, sideboom TD-15 (150 Series) and TD-151 Series), 74 inch gauge crawler tractor (for use with Superior SBI-150 Sideboom and Hydraulic Blade Backfiller or SBI-150 BH Sideboom and Hydraulic Blade Backfiller)



**EQUIPMENT COMBINATIONS**

**SIDEBOOM - CONTINUED**  
(Superior)

TD-15-504-2 EQUIPMENT COMBINATION, sideboom TD-15 (150 Series) and TD-15 (151 Series), 74 inch gauge crawler tractor (for use with Superior SBI-150 Sideboom and Hydraulic Blade Backfiller or SBI-150 BH Sideboom and Hydraulic Blade Backfiller)

| REF. NO.                                       | I. H. PART NUMBER | DESCRIPTION   |
|--|-------------------|---|
| <b>HYDRAULIC CYLINDER (TD-15 (151 Series))</b> |                   |   |
| 1  | 321 245 R1        | "O" RING, manifold (1-5/16 x 1-9/16 x 1/8") (2)   |
| 1A   | 321 244 R1        | "O" RING, manifold end (1-1/8 x 1-3/8 x 1/8") (2)   |
| 2  | 295 907 R91       | MANIFOLD, LH hydraulic cylinder<br>3/8 x 3-1/4" hex-hd cap SCREW (2)<br>1/2 x 3" hex-hd cap SCREW (3)<br>3/8" lock WASHER (2)   |
| 2  | 295 908 R91       | MANIFOLD, RH hydraulic cylinder<br>3/8 x 3-1/4" hex-hd cap SCREW (2)<br>1/2 x 3" hex-hd cap SCREW (3)<br>3/8" lock WASHER (2)   |
| 3  | 294 682 R12       | YOKE and CAP ASSEMBLY, hoist cylinder (2)<br>(Composed of -<br>2 BUSHING 294 684 R1<br>2 CAP<br>2 PIN 19 407 R1<br>1 YOKE )<br>5/8 x 2" hex-hd cap SCREW (8)<br>5/8" external-tooth lock WASHER (8) |
| 4  | 294 684 R1        | BUSHING, hoist yoke and cap (4)   |
| 5  | 294 685 R1        | WASHER, hoist yoke thrust (2)   |
| 6  | 313 938 R1        | "O" RING, cylinder cap (5 x 5-1/4 x 1/8") (2)   |
| 7  | 295 893 R92       | HOUSING, hydraulic cylinder (2)   |
| 8  | 444 824           | PLUG, 3/8" hex-hd drain (4)   |

| REF. NO.   | I. H. PART NUMBER | DESCRIPTION  |
|--|-------------------|--|
| <b>HYDRAULIC CYLINDER (TD-15 (151 Series) - Continued)</b> |                   |  |
| 9  | 18 489 R1         | NUT, stop (2)  |
| 10   |                   | STEM, relief valve (order 295 960 R91)   |
| 11   |                   | END, relief valve (order 296 500 R91)  |
| 12   | 295 903 R1        | RING, piston rod wear (4)  |
| 13   | 295 904 R92       | PACKING, piston (2)  |
| 14   |                   | PISTON, hydraulic (order 295 902 R13)  |
| 15   | 295 902 R13       | PISTON ASSEMBLY, hydraulic (2)<br>(Composed of -<br>2 END<br>1 PACKING 295 904 R92<br>1 PISTON<br>2 RING 295 903 R1<br>2 STEM )    |
| 16   | 294 905 R1        | CAP, hydraulic cylinder (2)<br>7/16 x 2-1/4" hex-hd cap SCREW (12)<br>7/16 x 3-1/4" hex-hd cap SCREW (4)<br>7/16" lock WASHER (12) |
| 17   | 294 512 R92       | PACKING, piston rod (2)  |
| 18   | 294 515 R1        | SHIM, packing gland (X)  |
| 19   | 294 514 R2        | GLAND, hydraulic cylinder packing (2)  |



## EQUIPMENT COMBINATIONS

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

**SIDEBOOM - CONTINUED**  
(Superior)

TD-15-504-2 EQUIPMENT COMBINATION, sideboom TD-15 (150 Series) and TD-15 (151 Series), 74 inch gauge crawler tractor (for use with Superior SBI-150 Sideboom and Hydraulic Blade Backfiller or SBI-150 BH Sideboom and Hydraulic Blade Backfiller)

**HYDRAULIC CYLINDER (TD-15 (151 Series) - Continued**

|    |             |  |
|----|-------------|--|
| 20 | 294 513 R91 | SEAL, hydraulic cylinder dust (2)  |
| 21 | 294 516 R1  | PLATE, dust seal retainer (2)<br>1/2 x 1-3/8" hex-hd cap SCREW (8)<br>1/2" lock WASHER (8)   |
| 22 | 320 784 R11 | ROD ASSEMBLY, piston (2)<br>(Composed of -<br>1 BEARING 321 246 R91<br>1 FITTING 138 322 H<br>1 PLATE 320 741 R1<br>1 PLATE 320 742 R1<br>§1 ROD )   |
| 23 | 320 741 R1  | PLATE, outer locking (2)   |
| 24 | 320 788 R1  | PIN, hydraulic cylinder (2)<br>3/8" stover lock NUT (2)<br>3/8" x 2-3/4" hex-hd cap SCREW (2)  |
| 25 | 321 246 R91 | BEARING, piston rod (optional with 321 247 R91) (2)  |
| 25 | 321 247 R91 | BEARING, piston rod (optional with 321 246 R91) (2)  |
| 26 | 320 742 R1  | PLATE, inner locking<br>1/2 x 2-1/2" hex-hd cap SCREW (6)  |
|    | 320 782 R91 | CYLINDER ASSEMBLY, LH hydraulic<br>(Composed of -<br>1 CAP 295 905 R1<br>2 FITTING 138 322 H<br>1 GLAND 294 514 R2<br>1 HOUSING 295 893 R92<br>1 MANIFOLD 295 907 R91<br>1 NUT 18 489 R1<br>1 "O" RING 313 938 R1<br>1 "O" RING 321 244 R1<br>1 "O" RING 321 245 R1<br>1 PACKING 294 512 R92<br>1 PISTON 295 902 R13<br>1 PLATE 294 516 R1<br>2 PLUG 444 824<br>1 ROD 320 784 R11<br>1 SEAL 294 513 R91<br>X SHIM 294 515 R1 ) |
|    | 320 783 R91 | CYLINDER ASSEMBLY, RH hydraulic<br>(Composed of -<br>1 CAP 295 905 R1<br>2 FITTING 138 322 H<br>1 GLAND 294 514 R2<br>1 HOUSING 295 893 R92<br>1 MANIFOLD 295 908 R91<br>1 NUT 18 489 R1<br>1 "O" RING 313 938 R1<br>1 "O" RING 321 244 R1<br>1 "O" RING 321 245 R1<br>1 PACKING 294 512 R92<br>1 PISTON 295 902 R13<br>1 PLATE 294 516 R1<br>2 PLUG 444 824<br>1 ROD 320 784 R11<br>1 SEAL 294 513 R91<br>X SHIM 294 515 R1 ) |
|    | 138 322 H   | FITTING, 1/8" lubrication (Alemite 1610-B) (optional with 109 461) (6)   |
|    | 109 461     | FITTING, 1/8" lubrication (Lincoln 5000) (optional with 138 322 H) (6)   |
|    | 19 407 R1   | PIN, bushing retainer (4)  |
|    | 296 590 R91 | VALVE w/END and STEM, relief (4)   |

§ - Not Furnished Separately.  
X - As Required.



## EQUIPMENT COMBINATIONS

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

**PAY WELDER**

TD-15-600-1 EQUIPMENT COMBINATION, Pay Welder, TD-15 (150 Series) and TD-15 (151 Series), 74 inch gauge crawler tractor

|  |              |   |
|--|--------------|---|
|  | 42 902 D     | ATTACHMENT, front pull hook (See NOTE 1)  |
|  | 314 154 R91  | ATTACHMENT, front platform (See NOTE 2)   |
|  | 304 294 R91  | ATTACHMENT, crankcase guard (See NOTE 1)<br>Fender Supports (See NOTE 2)  |
|  | 2 750 649 R1 | DECALCOMANIA, "Pay Welder" (2)<br>Front Drive (See NOTE 2)  |
|  | 253 584 R1   | LEVER, injection pump hand<br>1/4NF x 7/8" hex-hd. cap SCREW<br>1/4" lock WASHER  |
|  | 322 655 R1   | PIPE, radiator overflow   |
|  | 270 172 R91  | PUMP, model "B" IH Fuel Injection (1725 RPM -5% Regulation) (†)   |
|  | 328 022 R91  | PUMP, model "C" Fuel Injection (1725 RPM - 5% Regulation)<br>Radiator Guard (See NOTE 2)<br>Rigid Extended Track Frame (See NOTE 1) |
|  | 42 877 DB    | SUPPORT, oil drain hole cover   |
|  | 261 443 R2   | SHOE, 24" clipped corner track (84) (*)   |
|  | 273 872 R1   | NUT, track shoe bolt (336)  |
|  | 311 346 R1   | SCREW, track shoe cap (336)<br>SCREW, 1/2 x 1-1/4" oil drain hole cover   |

The following additional ATTACHMENTS can also be furnished when ordered to be used with the above Pay Welder Equipment Combination.

|  |             |  |
|--|-------------|--|
|  | 274 630 R91 | ATTACHMENT, blower fan (tropical) (See NOTE 1)                           |
|  | 57 614 DA   | ATTACHMENT, cut-away sprocket (TD-150 501 to 3500) (See NOTE 1)          |
|  | 314 973 R91 | ATTACHMENT, cut-away sprocket (TD-150 3501 to 4000) (TD-151 4001 up) (†) |
|  | 324 900 R91 | ATTACHMENT, bi-metallic engine clutch driven member (See NOTE 1)         |
|  | 320 616 R91 | ATTACHMENT, sprocket drive housing shield (See NOTE 1)                   |
|  | 266 337 R91 | ATTACHMENT, fuel strainer (See NOTE 1)                                   |
|  | 273 034 R91 | ATTACHMENT, pre-cleaner (See NOTE 1)                                     |
|  | 320 588 R91 | ATTACHMENT, pre-cleaner (See NOTE 1)                                     |
|  | 273 039 R91 | ATTACHMENT, air pipe extension (See NOTE 1)                              |
|  | 274 580 R92 | ATTACHMENT, electric hourmeter (See NOTE 1)                              |
|  | 277 289 R91 | ATTACHMENT, exhaust rain cap (See NOTE 1)                                |
|  | 303 691 R91 | ATTACHMENT, track roller shield (TD-15 -150) (See NOTE 1)                |
|  | 306 149 R91 | ATTACHMENT, watch dog fuel filter (See NOTE 1)                           |
|  | 314 100 R91 | ATTACHMENT, 24" clipped corner track shoe (*) (See NOTE 1)               |
|  | 320 593 R91 | ATTACHMENT, altitude compensation (TD-15 (150 Series) (†)                |
|  | 322 117 R91 | ATTACHMENT, altitude compensation (TD-15 (151 Series) (†)                |
|  | 322 392 R91 | ATTACHMENT, increased cooling (TD-15 (150 Series) (†)                    |

NOTE 1 - Detail parts are listed in Standard Parts Section, Miscellaneous Equipment or Track Drive Section of this catalog.

NOTE 2 - Detail parts are listed and illustrated in the "Units Common for Equipment Combinations" section.

(\*) - 24 inch is the maximum allowable track shoe width on this combination.

(†) - Refer to Model "B" and "C" Fuel Injection Pump Parts Catalog PU-40D, when ordering parts for complete Model "B" and "C" Fuel Injection Pumps and also for special Model "B" and "C" Fuel, Injection Pumps not listed above. For speed charts see injection pump parts catalog PU-40D.

# EQUIPMENT COMBINATIONS

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

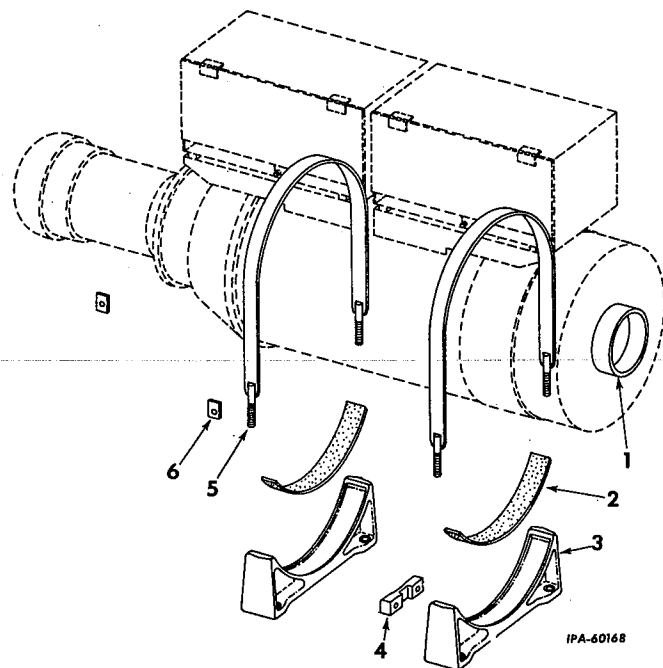
**PAY WELDER - CONTINUED**

TD-15-600-1 EQUIPMENT COMBINATION, Pay Welder, TD-15 (150 Series) and TD-15 (151 Series), 74 inch gauge crawler tractor

|             |   |
|-------------|---|
| 322 399 R91 | ATTACHMENT, increased cooling (TD-15 (150 Series) (†))  |
| 322 450 R91 | ATTACHMENT, increased cooling (TD-15 (150 Series) (†))  |
| 331 491 R91 | ATTACHMENT, suction fan (tropical) (†)<br>Decelerator (special) (See NOTE 1)<br>Double Flange Track Roller (See NOTE 1)<br>Headlight Brush Guard (See NOTE 1)<br>High Output Generator (See NOTE 1)<br>Outboard Fan (See NOTE 1)<br>Tail Light and Guard (See NOTE 1)<br>Transmission Oil Filter (special) (See NOTE 1) |

**PAY WELDER - CONTINUED**

TD-15-600-1 EQUIPMENT COMBINATION, Pay Welder, TD-15 (150 Series) and TD-15 (151 Series) 74 inch gauge Crawler tractor



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

**PAY WELDER CRADLES AND STRAPS**

|   |             |   |
|---|-------------|---|
| 1 | 314 231 R11 | SUPPORT, universal joint cover (2)  |
| 2 | 317 624 R1  | LINING, generator cradle (4)  |
| 3 | 314 757 R1  | CRADLE, generator (4)<br>5/8 x 1-3/4" hex-hd. cap SCREW (16)<br>5/8" NUT (16)       |
| 4 | 314 760 R1  | PLATE, generator locating (2)<br>1/2" NUT (4)<br>1/2 x 2-3/4" hex-hd. cap SCREW (4) |
| 5 | 314 758 R11 | STRAP, welder hold down (4)   |
|   | 18 422 R1   | NUT, 1/2" elastic stop (8)  |
| 6 | 314 232 R1  | CLIP, cover lock (4)<br>3/8" wing NUT (4)<br>3/8" lock WASHER (4)                   |

# EQUIPMENT COMBINATIONS

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

**BACKFILLER (Superior)**

TD-15-700-0 EQUIPMENT COMBINATION, Backfiller TD-15 (151 Series) 74 inch gauge crawler tractor (for use with Superior 150B Bucket Backfiller)

|             |   |
|-------------|---|
| 42 902 D    | ATTACHMENT, front pull hook (See NOTE 1)  |
| 304 294 R91 | ATTACHMENT, crankcase guard (See NOTE 1)<br><br>Fenders and Supports (See NOTE 2)<br>Front Drive (See NOTE 2) |
| 253 584 R1  | LEVER, injection pump hand<br>1/4NF x 7/8" hex-hd cap SCREW<br>1/4" lock WASHER                               |
| 322 655 R1  | PIPE, radiator overflow   |
| 270 172 R91 | PUMP, model "B" fuel injection (1725 RPM -5% regulation) (†)  |
| 328 022 R91 | PUMP, model "C" fuel injection (1725 RPM - 5% regulation) (†)<br><br>Radiator Guard (See NOTE 2)              |
| 331 391 R91 | Rail and Fork, forward and reverse gear shifter (TD-150-501 to 3655)  |
| 322 444 R94 | Rail and Fork, forward and reverse gear shifter (TD-150-3556 to 4000) (TD-151-4001 up)                        |
|             | Rigid Extended Track Frame (See NOTE 1)   |
| 322 446 R11 | SHAFT, transmission spline  |

The following additional ATTACHMENTS can also be furnished when ordered to be used with the above Back Filler Equipment Combination.

|             |  |
|-------------|--|
| 314 100 R91 | ATTACHMENT, 24" clipped corner track shoe (*) (See NOTE 1)       |
| 314 973 R91 | ATTACHMENT, cut-away sprocket (See NOTE 1)                       |
| 324 900 R91 | ATTACHMENT, bi-metallic engine clutch driven member (See NOTE 1) |
| 274 630 R91 | ATTACHMENT, blower fan (tropical) (See NOTE 1)                   |
| 320 616 R91 | ATTACHMENT, sprocket drive housing shield (See NOTE 1)           |
| 266 337 R91 | ATTACHMENT, fuel strainer (See NOTE 1)                           |

NOTE 1 - Detail parts are listed in Standard Parts Section, Miscellaneous Equipment or Track Drive Section of this catalog.

NOTE 2 - Detail parts are listed and illustrated in the "Units Common for Equipment Combination" Section.

(\*) - 24 inch is the maximum allowable track shoe width on this combination.

(†) - Refer to Model "B" and "C" Fuel Injection Pump Parts Catalog PU-40D, when ordering parts for complete Model "B" and "C" Fuel Injection Pumps and also for special Model "B" and "C" Fuel Injection pumps not listed above. For speed charts see injection pump parts catalog PU-40D.



# EQUIPMENT COMBINATIONS

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

## BACKFILLER - CONTINUED

(Superior)

TD-15-700-0 EQUIPMENT COMBINATION, Backfiller TD-15 (151 Series) 74 inch gauge crawler tractor (for use with Superior 150B Bucket Backfiller)

|             |  |   |
|-------------|--|---|
| 274 580 R92 |  | ATTACHMENT, electric hourmeter (See NOTE 1)     |
| 277 289 R91 |  | ATTACHMENT, exhaust rain cap (See NOTE 1)       |
| 322 149 R91 |  | ATTACHMENT, track roller shield (See NOTE 1)    |
| 306 149 R91 |  | ATTACHMENT, watch dog fuel filter (See NOTE 1)  |
| 322 117 R91 |  | ATTACHMENT, altitude compensation (See NOTE 1)  |
| 320 588 R91 |  | ATTACHMENT, pre-cleaner (See NOTE 1)            |
| 331 491 R91 |  | ATTACHMENT, suction fan (tropical) (See NOTE 1) |

Double Flange Track Roller (See NOTE 1)

Head Light Brush Guard (See NOTE 1)

High Output Generator (See NOTE 1)

Outboard Fan (See NOTE 1)

Tail Light and Guard (See NOTE 1)

Transmission Oil Filter (See NOTE 1)

NOTE 1 - Detail parts are listed in Standard Parts Section, Miscellaneous Equipment or Track Drive Section of this catalog.



# MEMORANDUM

## UNITS COMMON FOR EQUIPMENT COMBINATIONS

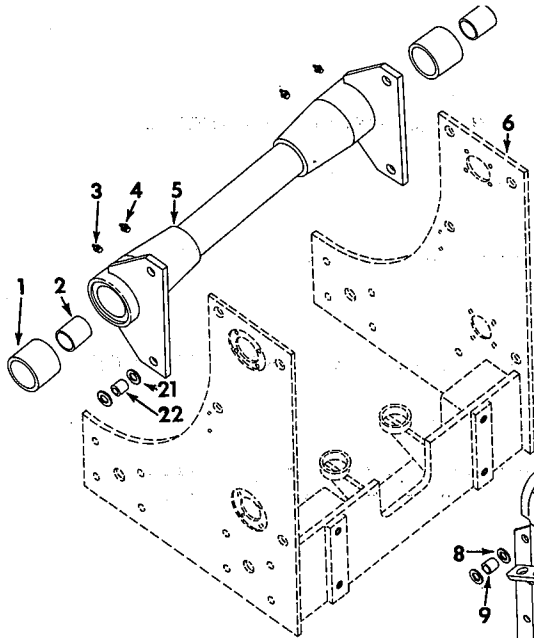
### INDEX TO UNITS

| DESCRIPTION   | Page |
|---|------|
| <b>Drive, front</b>   |      |
| Pay Welder TD-15-600-1 Equipment Combination<br>(TD-15-150 Series).....   | 174  |
| (TD-15-151 Series).....   | 176  |
| Backfiller (Superior) TD-15-700-0 Equipment Combination (for use with Superior 150B Bucket Backfiller).....   | 176  |
| <b>Front Platforms, fenders and supports</b>  |      |
| Pay Welder TD-15-600-1 Equipment Combination.....   | 178  |
| Backfiller (Superior) TD-15-700-0 Equipment Combination (for use with Superior 150B Bucket Backfiller).....   | 178  |
| <b>Guard, radiator</b>  |      |
| Sideboom (Superior) TD-15-502-1 Equipment Combination (for use with Superior SBI-150BH Sideboom)<br>(TD-150 2755 to 4000).....  | 168  |
| (TD-15-151 Series).....   | 170  |
| Sideboom (Superior) TD-15-504-2 Equipment Combination (for use with Superior SBI-150 Sideboom and Hydraulic Blade Backfiller or SBI-150BH Sideboom and Hydraulic Blade Backfiller)<br>(TD-150 501 to 2754)..... | 166  |
| (TD-150 2755 to 4000).....  | 168  |
| (TD-15-151 Series).....   | 170  |
| Pay Welder TD-15-600-1 Equipment Combination<br>(TD-15-150 Series).....   | 172  |
| (TD-15-151 Series).....   | 173  |
| Backfiller (Superior) TD-15-700-0 Equipment Combination (for use with Superior 150B Bucket Backfiller).....   | 173  |
| <b>Pump, hydraulic (Hydreco)</b>  |      |
| Sideboom (Superior) TD-15-502-1 Equipment Combination (for use with Superior SBI-150BH Sideboom).....   | 179  |
| Sideboom (Superior) TD-15-504-2 Equipment Combination (for use with Superior or SBI-150BH Sideboom and Hydraulic Blade Backfiller).....   | 179  |
| <b>Shaft, power take-off</b>  |      |
| Sideboom (Superior) TD-15-502-1 Equipment Combination (for use with Superior SBI-150BH Sideboom).....   | 184  |
| Sideboom (Superior) TD-15-504-2 Equipment Combination (for use with Superior SBI-150 Sideboom and Hydraulic Blade Backfiller or SBI-150BH Sideboom and Hydraulic Blade Backfiller)                              | 184  |
| Pay Welder TD-15-600-1 Equipment Combination.....   | 185  |
| Backfiller (Superior) TD-15-700-0 Equipment Combination (for use with Superior 150B Bucket Backfiller).....   | 185  |
| <b>Shaft, generator drive</b>   |      |
| Pay Welder TD-15-600-1 Equipment Combination<br>(TD-15-150 Series).....   | 186  |
| (TD-15-151 Series).....   | 187  |
| Backfiller (Superior) TD-15-700-0 Equipment Combination (for use with Superior 150B Bucket Backfiller).....   | 187  |
| <b>Valve, hydraulic (Hydreco)</b>   |      |
| Sideboom (Superior) TD-15-502-1 Equipment Combination (for use with Superior SBI-150BH Sideboom).....   | 181  |
| Sideboom (Superior) TD-15-504-2 Equipment Combination (for use with Superior SBI-150 Sideboom and Hydraulic Blade Backfiller or SBI-150BH Sideboom and Hydraulic Blade Backfiller)                              | 181  |

**UNITS COMMON FOR  
EQUIPMENT COMBINATIONS**

**RADIATOR GUARD**

(TD-150-501 to 2754) TD-15-504-2 EQUIPMENT COMBINATION, sideboom (for use with Superior SBI-150 Sideboom and Hydraulic Blade Backfiller or SBI-150BH Sideboom and Hydraulic Blade Backfiller)



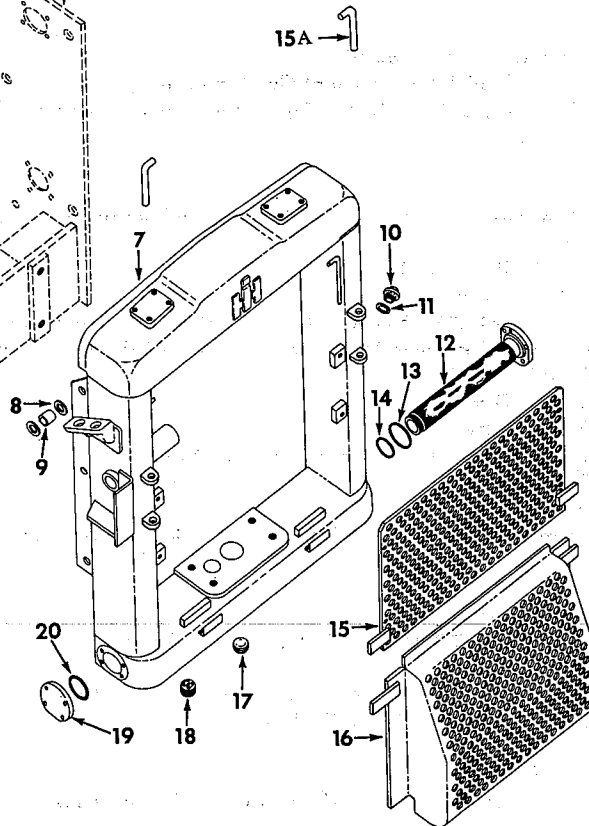
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| REF. NO. | I. H. PART NUMBER | DESCRIPTION  |
|----------|-------------------|--|
|          | 304 339 R91       | ATTACHMENT, radiator guard (Consists of the following parts)<br>Field Application - Order Through Regular Service Parts Channels |
| 1        | 289 254 R1        | BUSHING, outer hoist cylinder yoke (2)   |
| 2        | 289 253 R1        | BUSHING, inner hoist cylinder yoke (2)   |
| 3        | 109 461           | FITTING, lubrication (Lincoln 5000) (optional with 138 322 H) (for hoist cylinder yoke outer bushing) (2)                        |
| 3        | 138 322 H         | FITTING, 1/8" lubrication (Alemite 1610BL) (optional with 109 461)(for hoist cylinder yoke outer bushing)(2)                     |
| 4        | 126 152           | FITTING, 1/8" lubrication (Lincoln 5200) (optional with 271 283)(for hoist cylinder yoke inner bushing)(2)                       |
| 4        | 271 283           | FITTING, lubrication (Alemite 1688B) (optional with 126 152)(for hoist cylinder yoke inner bushing)(2)                           |

**UNITS COMMON FOR  
EQUIPMENT COMBINATIONS**

**RADIATOR GUARD - CONTINUED**

(TD-150-501 to 2754) TD-15-504-2 EQUIPMENT COMBINATION, sideboom (for use with Superior SBI-150 Sideboom and Hydraulic Blade Backfiller or SBI-150BH Sideboom and Hydraulic Blade Backfiller)



| REF. NO. | I. H. PART NUMBER | DESCRIPTION  |
|----------|-------------------|--|
| 5        | 304 359 R91       | TUBE w/two BUSHING, 289 253 R1 and two BUSHING, 289 254 R1 cylinder support cross<br>3/4" jam NUT (4)<br>3/4 x 2-1/2" hex-hd. cap SCREW (4)  |
| 6        |                   | FRAME, mounting (†)  |
| 7        | 304 355 R91       | GUARD, radiator (order PACKAGE, 322 406 R91)<br>3/4" jam NUT (6)<br>3/4 x 1-1/2" hex-hd. cap SCREW (2)<br>3/4 x 2-1/2" hex-hd. cap SCREW (4) |
|          |                   | (†) - Furnished with TD-15-150 Series Tractor, Not furnished as part of attachment.  |

# UNITS COMMON FOR EQUIPMENT COMBINATIONS



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

### RADIATOR GUARD - CONTINUED

(TD-150-501 to 2754) TD-15-504-2 EQUIPMENT COMBINATION, sideboom (for use with Superior SBI-150 Sideboom and Hydraulic Blade Backfiller or SBI-150BH Sideboom and Hydraulic Blade Backfiller)

|     |             |   |
|-----|-------------|---|
| 8   | 303 667 R1  | RETAINER, radiator guard mounting dowel (8)   |
| 9   | 303 669 R1  | DOWEL, radiator guard mounting (4)  |
| 9   | 305 266 R1  | DOWEL, radiator guard mounting (.062" oversize) (X)   |
| 10  | 294 118 R2  | PLUG, oil filler  |
| 11  | 253 172 R1  | RING, oil filler plug sealing   |
| 12  | 294 997 R91 | STRAINER, oil (order 311 223 R91)   |
| 12  | 310 791 R91 | STRAINER, oil<br>3/8 x 1" hex-hd. cap SCREW (4)<br>3/8" external-tooth lock WASHER (4)  |
| 13  | 295 204 R1  | RING, oil strainer sealing (large)  |
| 14  | 295 203 R1  | RING, oil strainer sealing (small)  |
| 15  | 304 360 R11 | DOOR, upper radiator guard (order PACKAGE, 320 358 R91)   |
| 15A | 299 842 R1  | PIN, latch (2)  |
| 16  | 304 361 R91 | DOOR, lower radiator guard (order PACKAGE, 320 358 R91)   |
| 17  | 271 647 R1  | PLUG, oil drain   |
| 18  | 281 425 R91 | PLUG, magnetic drain  |
| 19  | 311 094 R1  | COVER, radiator guard bottom member cleanout<br>3/8 x 1" hex-hd. cap SCREW (4)<br>3/8" external-tooth lock WASHER (4)   |
| 20  | 295 204 R1  | RING, check valve sealing   |
| 21  | 303 667 R1  | RETAINER, cross tube mounting dowel (8)   |
| 22  | 303 669 R1  | DOWEL, cross tube mounting (4)  |
| 22  | 305 266 R1  | DOWEL, cross tube mounting (.062" oversize)(X)  |
|     | 259 206 R11 | BODY, check valve (order 311 223 R91)   |
|     | IZG-4540    | DRAWING, radiator guard door installation   |
|     | IZG-4701    | DRAWING, radiator guard installation  |
|     | 311 223 R91 | PACKAGE, full flow oil strainer field service (will work for 294 997 R91, 295 206 R11 and 295 207 R1)<br>(Composed of -<br>1 DIAGRAM IZG 3834<br>1 PLUG 144 000<br>1 RING 295 203 R1<br>1 RING 295 204 R1<br>1 STRAINER 310 791 R91 ) |
|     | 320 358 R91 | PACKAGE, radiator guard door field service (Consists of -<br>1 DOOR 307 680 R21<br>1 DOOR 322 183 R11<br>1 DRAWING IZG-4540<br>§ 2 HINGE<br>§ 2 PIN<br>2 PIN 299 842 R1<br>2 PIN 517 843 R1 )   |
|     | 322 406 R91 | PACKAGE, radiator guard field service (Consists of -<br>1 ADAPTER 309 303 R93<br>1 DRAWING IZG-4701<br>1 GASKET 309 304 R91<br>1 GUARD 309 261 R91 )  |

# UNITS COMMON FOR EQUIPMENT COMBINATIONS



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

### RADIATOR GUARD - CONTINUED

(TD-150-501 to 2754) TD-15-504-2 EQUIPMENT COMBINATION, sideboom (for use with Superior SBI-150 Sideboom and Hydraulic Blade Backfiller or SBI-150BH Sideboom and Hydraulic Blade Backfiller)

|            |   |
|------------|---|
| 144 000    | PLUG, radiator guard bottom member manifold |
| 295 207 R1 | TUBE, check valve (order 311 223 R91)       |

(†) - Furnished with TD-15-150 Series Tractor. Not furnished as part of attachment

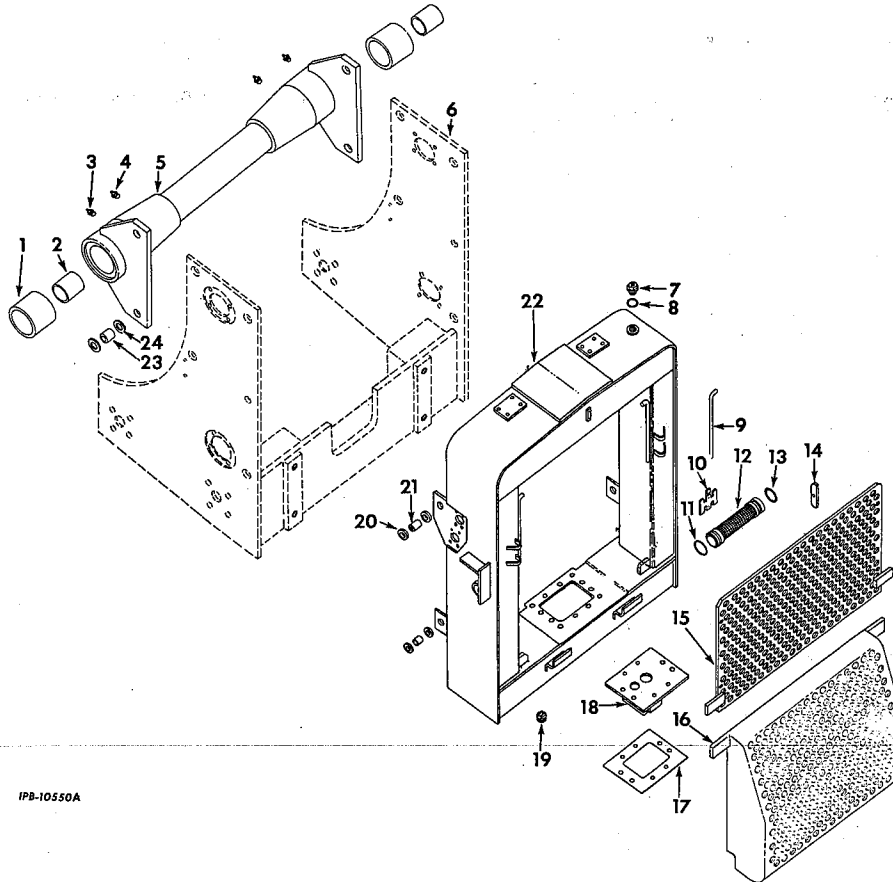
§ - Not Furnished Separately.

X - As Required

**UNITS COMMON FOR  
EQUIPMENT COMBINATIONS**

**RADIATOR GUARD**

(TD-150-2755 to 4000) TD-15-502-1 EQUIPMENT COMBINATION sideboom (for use with Superior SBI-150BH Sideboom) or TD-15-504-2 EQUIPMENT COMBINATION, Sideboom (for use with Superior SBI-150 Sideboom and Hydraulic Blade Backfiller or SBI-150BH Sideboom and Hydraulic Blade Backfiller)



IPB-10550A

**UNITS COMMON FOR  
EQUIPMENT COMBINATIONS**

**RADIATOR GUARD - CONTINUED**

(TD-150-2755 to 4000) TD-15-502-1 EQUIPMENT COMBINATION, sideboom (for use with Superior SBI-150BH Sideboom) or TD-15-504-2 EQUIPMENT COMBINATION, Sideboom (for use with Superior SBI-150 Sideboom and Hydraulic Blade Backfiller or SBI-150BH Sideboom and Hydraulic Blade Backfiller)

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

(X) - KEY TO UNITS -

- A - Service parts for radiator guard used on sideboom combination (TD-15-502-1)
- B - Service parts for radiator guard used on sideboom combination (TD-15-504-2)

(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 | 289 254 R1 | BUSHING, outer hoist cylinder yoke (2 for Unit B)   |
| 2 | 289 253 R1 | BUSHING, inner hoist cylinder yoke (2 for Unit B)   |
| 3 | 109 461    | FITTING, 1/8" lubrication (Lincoln 5000) (optional with 138 322 H) (for hoise cylinder yoke outer bushing) (2 for Unit B) |

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

|   |             |   |
|---|-------------|---|
| 3 | 138 322 H   | FITTING, 1/8" lubrication (Alermite 1610BL) (optional with 109 461) (hoist cylinder yoke outer bushing) (2 for Unit B)                              |
| 4 | 109 461     | FITTING, 1/8" lubrication (Lincoln 5000) (optional with 138 322 H) (for hoist cylinder yoke inner bushing) (2 for Unit B)                           |
| 4 | 138 322 H   | FITTING, 1/8" lubrication (Alermite 1610BL) (optional with 109 461) (for hoist cylinder yoke inner bushing) (2 for Unit B)                          |
| 5 | 304 359 R91 | TUBE w/two BUSHING, 289 253 R1 and two BUSHING, 289 254 R1 cylinder support cross (Unit B)<br>3/4" jam NUT (4)<br>3/4 x 2-1/2" hex-hd cap SCREW (4) |
| 6 |             | FRAME, mounting (‡)   |

(‡) - Furnished with TD-15 (150 Series) Tractor. Not Furnished as Part of Attachment.




**UNITS COMMON FOR  
EQUIPMENT COMBINATIONS**

| REF.<br>NO. | I.H. PART<br>NUMBER | DESCRIPTION |
|-------------|---------------------|-------------|
|-------------|---------------------|-------------|

**RADIATOR GUARD - CONTINUED**

(TD-150-2755 to 4000) TD-15-502-1 EQUIPMENT COMBINATION, sideboom (for use with Superior SBI-150BH Sideboom) or TD-15-504-2 EQUIPMENT COMBINATION, Sideboom (for use with Superior SBI-150 Sideboom and Hydraulic Blade Backfiller or SBI-150BH Sideboom and Hydraulic Blade Backfiller)

|    |                           |  |
|----|---------------------------|--|
| 7  | 294 118 R2                | PLUG, oil filler   |
| 8  | 253 172 R1                | RING, oil filler plug sealing  |
| 9  | 299 842 R1                | PIN, door hinge (2)  |
| 10 | 311 263 R1                | EMBLEM, "IH"<br>No. 4 x 1/4" drive SCREW (2)   |
| 11 | 301 913 R1                | RING, suction filter seal (small) (2-7/16 x<br>2-5/8 x 3/32")  |
| 12 | 310 897 R91               | STRAINER, oil  |
| 13 | 352 313 R1                | RING, hydraulic pump filter sealing (2-3/8<br>x 2-3/4 x 3/16")   |
| 14 | 284 179 R1                | PLATE, strainer retainer (2)<br>3/8 x 5/8" hex-hd cap SCREW (2)<br>3/8" lock WASHER (2)  |
| 15 | 307 680 R21               | DOOR, radiator guard upper   |
| 16 | 322 183 R11               | DOOR, radiator guard lower   |
| 17 | 309 304 R1                | GASKET, pump adapter   |
| 18 | 309 303 R91<br>313 222 R1 | ADAPTER, hydraulic pump<br>BOLT, adapter mounting (4)  |
| 19 | 280 668 R91               | PLUG, magnetic drain   |
| 20 | 303 667 R1                | RETAINER, radiator guard mounting dowel<br>(8)   |
| 21 | 303 669 R1                | DOWEL, radiator guard mounting (4)   |
| 21 | 305 266 R1                | DOWEL, radiator guard mounting (.062"<br>oversize) (X)   |
| 22 | 309 261 R91               | GUARD w/PLUG, 294 118 R2, PLUG,<br>260 668 R91 and RING, 253 172 R1, radiator<br>3/4" jam NUT (4)<br>3/4 x 2-1/2" hex-hd cap SCREW (4) |
| 23 | 303 669 R1                | DOWEL, cross tube mounting (4 for<br>Unit B)   |
| 23 | 305 266 R1                | DOWEL, cross tube mounting (.062" over-<br>size) (X for Unit B)  |
| 24 | 303 667 R1<br>517 843 R1  | RETAINER, cross tube mounting dowel<br>(8 for Unit B)<br>PIN, Q.A. cotter (2)  |

(X) - As Required.

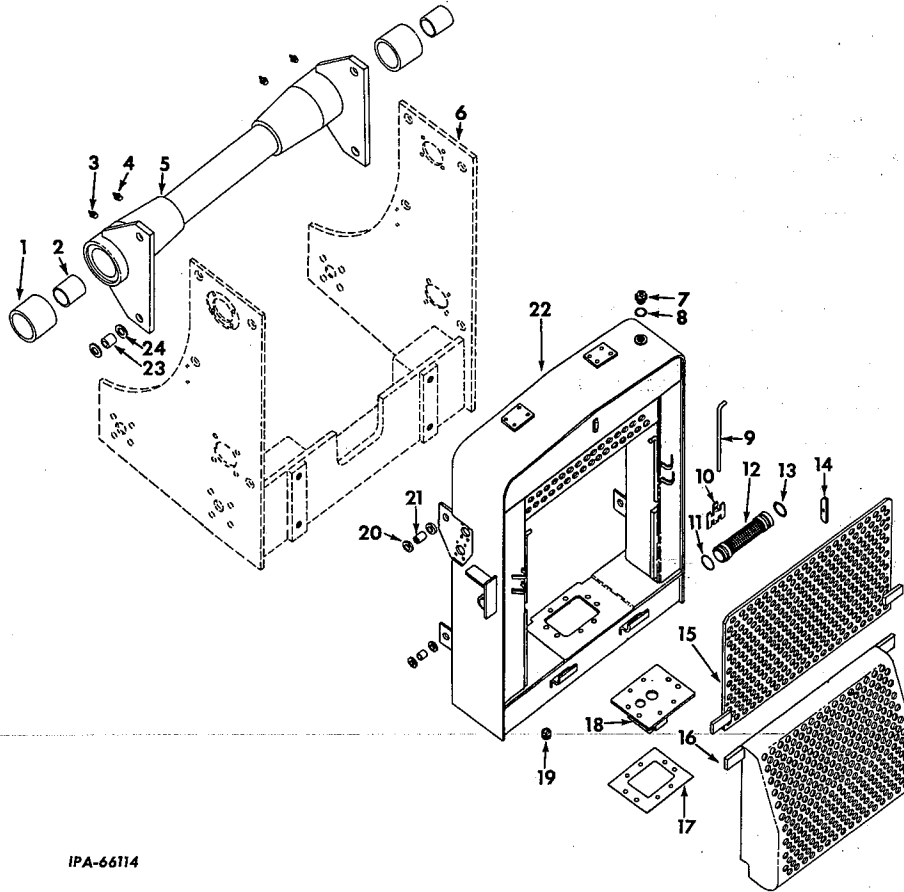

**MEMORANDUM**

-170-

## UNITS COMMON FOR EQUIPMENT COMBINATIONS

**RADIATOR GUARD**

TD-15 (151 Series) TD-15-502-1 EQUIPMENT COMBINATION, Sideboom (for use with Superior SBI-15BH Sideboom) or TD-15-504-2 EQUIPMENT COMBINATION, Sideboom (for use with Superior SBI-150 Sideboom and Hydraulic Blade Backfiller or SBI-150BH Sideboom and Hydraulic Blade Backfiller)



IPA-66114

-170-

## UNITS COMMON FOR EQUIPMENT COMBINATIONS

**RADIATOR GUARD - CONTINUED**

TD-15 (151 Series) TD-15-502-1 EQUIPMENT COMBINATION, Sideboom (for use with Superior SBI-150BH Sideboom) or TD-15-504-2 EQUIPMENT COMBINATION, Sideboom (for use with Superior SBI-150 Sideboom and Hydraulic Blade Backfiller or SBI-150BH Sideboom and Hydraulic Blade Backfiller)

| REF. NO.  | I. H. PART NUMBER | DESCRIPTION   |
|---|-------------------|---|
| (X) - KEY TO UNITS -  |                   |   |
| A - Service parts for radiator guard used on sideboom equipment combination (TD-15-502-1)   |                   |   |
| B - Service parts for radiator guard used on sideboom equipment combination (TD-15-504-2)   |                   |   |
| (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   | 289 254 R1        | BUSHING, outer hoist cylinder yoke (2 for Unit B)   |
| 2   | 289 253 R1        | BUSHING, inner hoist cylinder yoke (2 for Unit B)   |
| 3   | 109 461           | FITTING, 1/8" lubrication (Lincoln 5000) (optional with 138 322 H) (for hoist cylinder yoke outer bushing) (2 for Unit B) |

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| REF. NO. | I. H. PART NUMBER | DESCRIPTION   |
|----------|-------------------|---|
| 3        | 138 322 H         | FITTING, 1/8" lubrication (Alemite 1610BL) (optional with 109 461) (hoist cylinder yoke outer bushing) (2 for Unit B)                               |
| 4        | 109 461           | FITTING, 1/8" lubrication (Lincoln 5000) (optional with 138 322 H) (for hoist cylinder yoke inner bushing) (2 for Unit B)                           |
| 4        | 138 322 H         | FITTING, 1/8" lubrication (Alemite 1610BL) (optional with 109 461) (for hoist cylinder yoke inner bushing) (2 for Unit B)                           |
| 5        | 304 359 R91       | TUBE w/two BUSHING, 289 253 R1 and two BUSHING, 289 254 R1 cylinder support cross (Unit B)<br>3/4" jam NUT (4)<br>3/4 x 2-1/2" hex-hd cap SCREW (4) |
|          |                   | (†) - Furnished with TD-15 (151 Series) Tractor. Not Furnished as Part of Attachment.   |

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# UNITS COMMON FOR EQUIPMENT COMBINATIONS



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

## RADIATOR GUARD - CONTINUED

TD-15 (151 Series) TD-15-502-1 EQUIPMENT COMBINATION, Sideboom (for use with Superior SBI-150 BH Sideboom) or TD-15-504-2 Equipment Combination Sideboom (for use with Superior SBI-150 Sideboom and Hydraulic Blade Backfiller or SBI-150BH Sideboom and Hydraulic Blade Backfiller)

|    |                           |   |
|----|---------------------------|---|
| 6  |                           | FRAME, mounting (†)   |
| 7  | 294 118 R2                | PLUG, oil filler  |
| 8  | 253 172 R1                | RING, oil filler plug sealing   |
| 9  | 299 842 R1                | PIN, door hinge (2)   |
| 10 | 311 263 R1                | EMBLEM, "IH"<br>No. 4 x 1/4" drive SCREW (2)  |
| 11 | 301 913 R1                | RING, suction filter seal (small) (2-7/16 x 2-5/8 x 3/32")  |
| 12 | 310 897 R91               | STRAINER, oil   |
| 13 | 352 313 R1                | RING, hydraulic pump filter sealing (2-3/8 x 2-3/4 x 3/16")   |
| 14 | 284 179 R1                | PLATE, strainer retainer (2)<br>3/8 x 5/8" hex-hd cap SCREW (2)<br>3/8" lock WASHER (2)   |
| 15 | 307 680 R21               | DOOR, radiator guard upper  |
| 16 | 322 183 R11               | DOOR, radiator guard lower  |
| 17 | 309 304 R1                | GASKET, pump adapter  |
| 18 | 309 303 R91<br>313 222 R1 | ADAPTER, hydraulic pump<br>BOLT, adapter mounting (4)   |
| 19 | 280 668 R91               | PLUG, magnetic drain  |
| 20 | 303 667 R1                | RETAINER, radiator guard mounting dowel (8)   |
| 21 | 303 669 R1                | DOWEL, radiator guard mounting (4)  |
| 21 | 305 266 R1                | DOWEL, radiator guard mounting (.062" oversize) (X)   |
| 22 | 322 093 R91               | GUARD w/PLUG, 294 118 R2, PLUG, 260 668 R91 and RING, 253 172 R1, radiator<br>3/4" jam NUT (4)<br>3/4 x 2-1/2" hex-hd cap SCREW (4) |
| 23 | 303 669 R1                | DOWEL, cross tube mounting (4 for Unit B)   |
| 23 | 305 266 R1                | DOWEL, cross tube mounting (.062" oversize) (X for Unit B)  |
| 24 | 303 667 R1                | RETAINER, cross tube mounting dowel (8 for Unit B)  |
|    | 517 843 R1                | PIN, Q.A. cotter (2)  |

(†) - Furnished with TD-15 (151 Series) Tractor. Not Furnished as Part of Attachment.

X - As Required

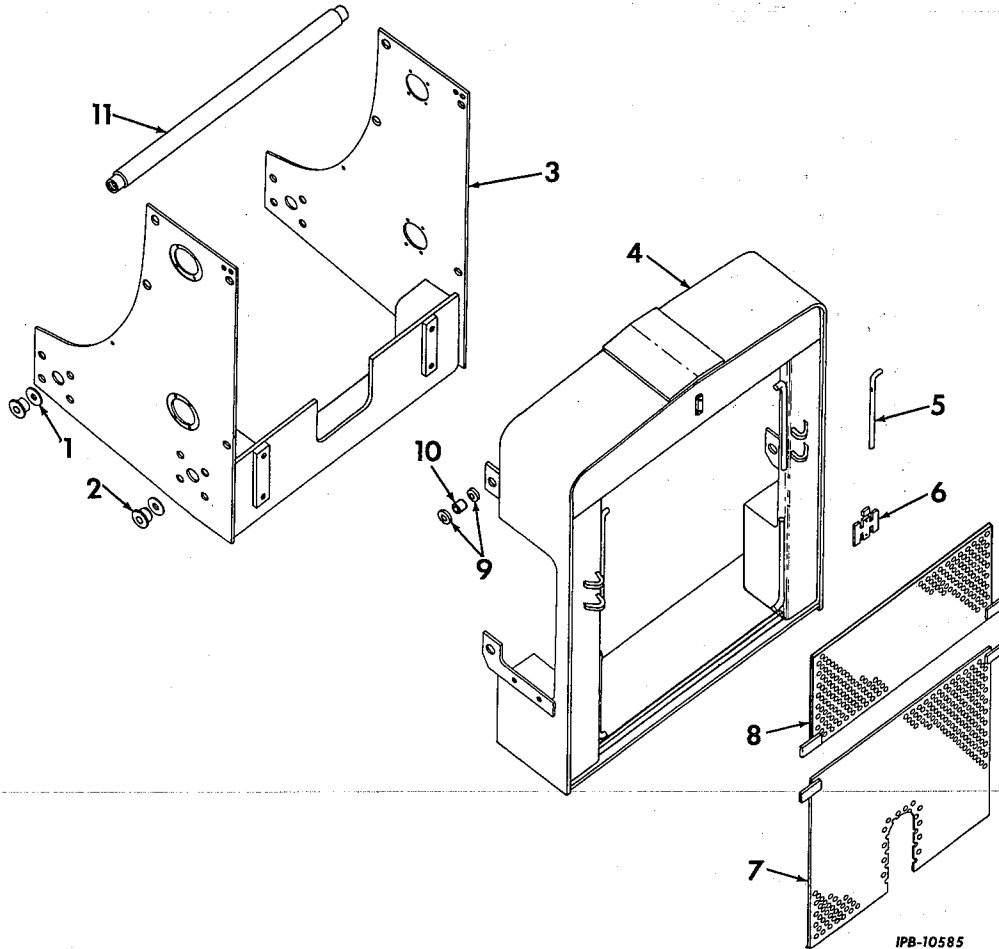
# MEMORANDUM



**UNITS COMMON FOR  
EQUIPMENT COMBINATIONS**

**RADIATOR GUARD**

TD-15 (150 Series) TD-15-600-1 EQUIPMENT COMBINATION,  
Pay Welder (for use with Pay Welder)



IPB-10585

| REF. NO. | I.H. PART NUMBER | DESCRIPTION   |
|----------|------------------|---|
| 1        | 274 289 R1       | RETAINER, radiator mounting frame dowel (4)<br>1/2" NUT (4)<br>1/2 x 1-1/4" hex-hd. cap SCREW (4)<br>1/2" lock WASHER (4) |
| 2        | 274 288 R1       | DOWEL, radiator mounting frame (4)  |
| 3        | 307 646 R91      | FRAME, radiator mounting<br>7/8" NUT (16)<br>7/8 x 2-1/2" hex-hd. cap SCREW (16)  |
| 4        | 314 761 R91      | GUARD, radiator   |
| 5        | 299 842 R1       | PIN, radiator guard door latch (2)  |
| 6        | 311 263 R1       | EMBLEM, IH<br>No. 4 x 1/4" drive SCREW (2)  |

**UNITS COMMON FOR  
EQUIPMENT COMBINATIONS**

**RADIATOR GUARD - CONTINUED**

TD-15 (150 Series) TD-15-600-1 EQUIPMENT COMBINATION,  
Pay Welder (for use with Pay Welder)

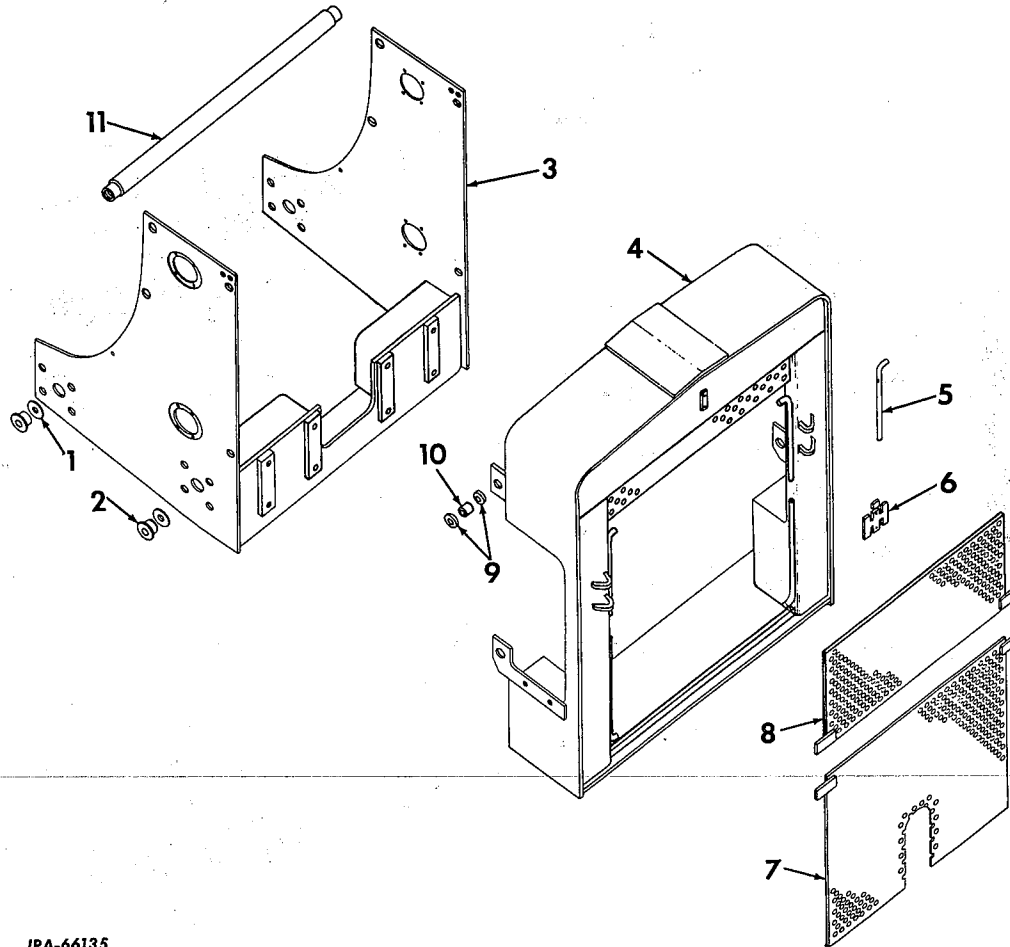
| REF. NO. | I.H. PART NUMBER | DESCRIPTION   |
|----------|------------------|---|
| 7        | 314 428 R92      | DOOR, radiator guard lower  |
| 8        | 307 680 R21      | DOOR, radiator guard upper  |
| 9        | 303 667 R1       | RETAINER, radiator guard mounting dowel (8)<br>3/4" NUT (4)<br>3/4 x 2-1/2" hex-hd. cap SCREW (4) |
| 10       | 311 140 R1       | SPACER, radiator guard mounting (4)   |
| 11       | 314 223 R1       | ROD, stabilizer<br>5/8 x 1-1/2" hex-hd. cap SCREW (2)   |
|          | 314 224 R1       | WASHER, stabilizer rod (2)  |
|          | 517 843 R1       | PIN, Q.A. cotter (2)  |

**UNITS COMMON FOR  
EQUIPMENT COMBINATIONS**



**RADIATOR GUARD**

TD-15 (151 Series) TD-15-600-1 EQUIPMENT COMBINATION, Pay Welder (for use with Pay Welder) or TD-15-700-0 EQUIPMENT COMBINATION, Sideboom (for use with Superior 150B Bucket Backfiller)



IPA-66135

**UNITS COMMON FOR  
EQUIPMENT COMBINATIONS**



**RADIATOR GUARD - CONTINUED**

TD-15 (151 Series) TD-15-600-1 EQUIPMENT COMBINATION, Pay Welder (for use with Pay Welder) or TD-15-700-0 EQUIPMENT COMBINATION, Sideboom (for use with Superior 150B Bucket Backfiller)

| REF. NO. | I. H. PART NUMBER | DESCRIPTION  |
|----------|-------------------|--|
| 1        | 274 289 R1        | RETAINER, radiator mounting frame dowel (4)<br>1/2 x 1-1/4" hex-hd cap SCREW (4)<br>1/2" lock WASHER (4) |
| 2        | 274 288 R1        | DOWEL, radiator mounting frame (4)   |
| 3        | 322 425 R91       | FRAME, radiator mounting<br>7/8" NUT (16)<br>7/8 x 2-1/2" hex-hd cap SCREW (16)                          |
| 4        | 322 097 R91       | GUARD, radiator  |
| 5        | 299 842 R1        | PIN, radiator guard door latch (2)   |
| 6        | 311 263 R1        | EMBLEM, IH<br>No. 4 x 1/4" drive SCREW (2)   |

| REF. NO. | I. H. PART NUMBER | DESCRIPTION  |
|----------|-------------------|--|
| 7        | 314 428 R92       | DOOR, radiator guard lower   |
| 8        | 307 680 R21       | DOOR, radiator guard upper   |
| 9        | 303 667 R1        | RETAINER, radiator guard mounting dowel (8)<br>3/4" NUT (4)<br>3/4 x 2-1/2" hex-hd cap SCREW (4) |
| 10       | 311 140 R1        | SPACER, radiator guard mounting (4)  |
| 11       | 314 223 R1        | ROD, stabilizer<br>5/8 x 1-1/2" hex-hd cap SCREW (2)   |
|          | 314 224 R1        | WASHER, stabilizer rod (2)   |
|          | 517 843 R1        | PIN, Q. A. cotter (2)  |

-174-  
**UNITS COMMON FOR  
EQUIPMENT COMBINATIONS**

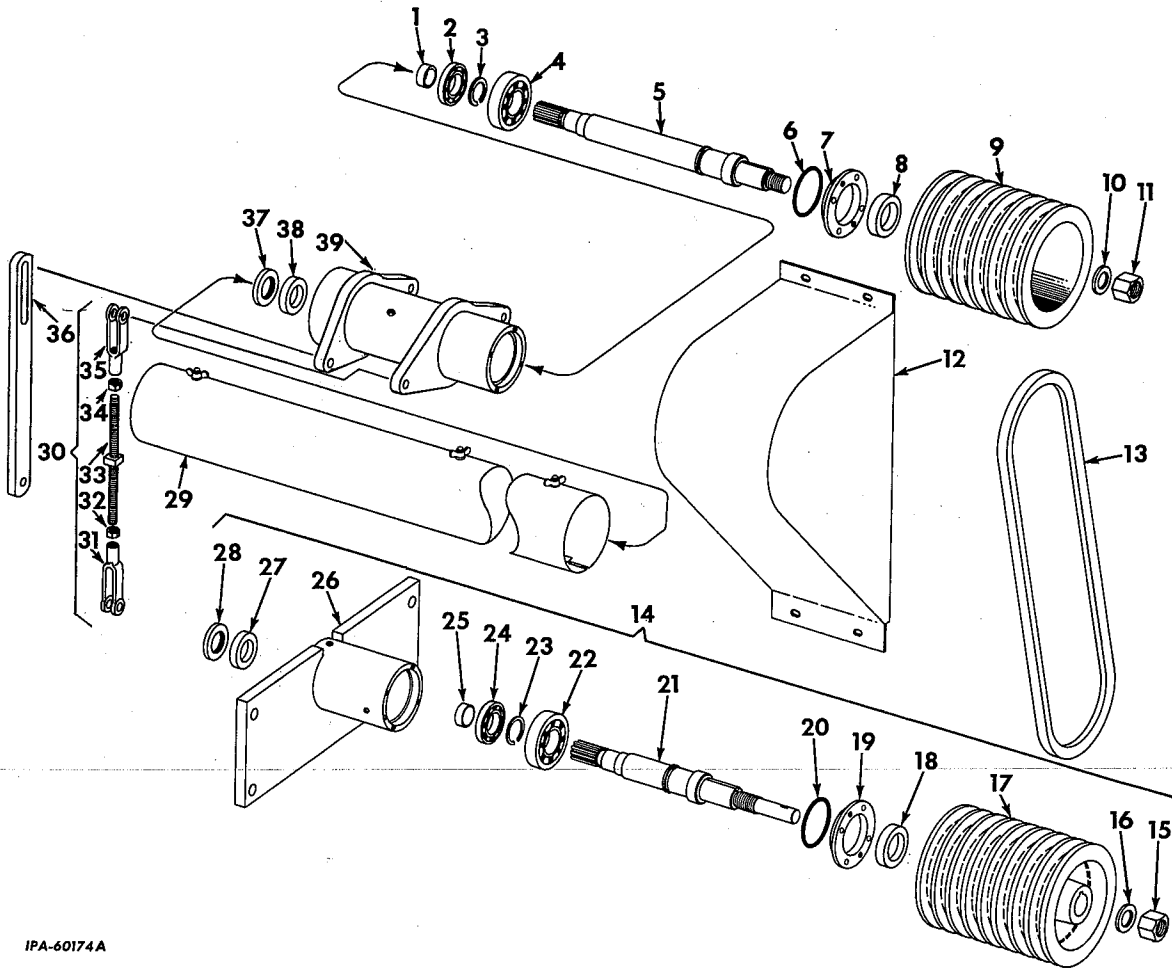
**FRONT DRIVE**

TD-15 (150 Series) TD-15-600-1 EQUIPMENT COMBINATION,  
Pay Welder (for use with Pay Welder)

-174-  
**UNITS COMMON FOR  
EQUIPMENT COMBINATIONS**

**FRONT DRIVE - CONTINUED**

TD-15 (150 Series) TD-15-600-1 EQUIPMENT COMBINATION,  
Pay Welder (for use with Pay Welder)



IPA-60174A

| REF. NO. | I. H. PART NUMBER | DESCRIPTION  |
|----------|-------------------|--|
| 1        | 317 589 R1        | SLEEVE, generator drive shaft wear (2)                                     |
| 2        | ST 264            | BEARING, generator drive shaft rear (2)                                    |
| 3        | 309 055 R1        | RING, bearing retainer (optional with 300 026 R1) (2)                      |
| 3        | 300 026 R1        | RING, bearing retainer (optional with 309 055 R1) (2)                      |
| 4        | 260 253 R91       | BEARING, generator drive shaft front (2)                                   |
| 5        | 314 745 R1        | SHAFT, generator drive (2)   |
| 6        | 313 516 R1        | "O" RING, 4-1/2 x 4-3/4 x 1/8" bearing cap (2)                             |
| 7        | 314 198 R1        | CAP, bearing (2)<br>3/8 x 1" hex-hd. cap SCREW (8)<br>3/8" lock WASHER (8) |

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| REF. NO. | I. H. PART NUMBER | DESCRIPTION  |
|----------|-------------------|--|
| 8        | 111 644 R91       | SEAL, generator drive shaft front (2)  |
| 9        | 314 207 R2        | PULLEY, generator drive (2)  |
| 10       |                   | WASHER, 1-9/16 x 3-1/4 x .180 ga. generator drive pulley (2)   |
| 11       |                   | NUT, 1-1/2" generator drive pulley retainer (2)  |
| 12       | 314 746 R91       | COVER, LH pulley   |
| 12       | 314 747 R91       | COVER, RH pulley<br>1/2 x 3/4" hex-hd cap SCREW (8)<br>1/2" lock WASHER (8)<br>17/32 x 1-1/16 x .095 ga WASHER (8) |
| 13       | 313 566 R91       | BELT, generator drive (matched set of four belts) (2)  |

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**UNITS COMMON FOR  
EQUIPMENT COMBINATIONS**



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

FRONT DRIVE - CONTINUED

TD-15 (150 Series) TD-15-600-1 EQUIPMENT COMBINATION, Pay Welder (for use with Pay Welder)

|    |             |   |
|----|-------------|---|
| 14 | 314 771 R91 | DRIVE ASSEMBLY, main (order 322 427 R91)<br>(Composed of -<br>1 BEARING ST 264<br>1 BEARING 260 253 R91<br>1 CAP 314 198 R1<br>1 HOUSING 314 733 R91<br>1 KEY Q 56<br>1 "O" RING 313 516 R1<br>1 PACKAGE 308 677 R92<br>1 PULLEY 314 739 R1<br>1 RING 309 055 R1<br>1 SEAL 111 644 R91<br>1 SEAL 299 491 R91<br>1 SHAFT 314 738 R1<br>1 SLEEVE 317 589 R1<br>3/4 x 1-3/4" hex-hd cap SCREW (4)<br>7/8 x 2" hex-hd cap SCREW (2)<br>SHIM, washer (X) |
|    | 314 225 R1  |   |
| 15 |             | NUT, 1-1/2" main drive pulley retainer  |
| 16 |             | WASHER, 1-9/16 x 3-1/4 x .180 ga. main drive pulley   |
| 17 | 314 739 R1  | PULLEY, main drive  |
| 18 | 111 644 R91 | SEAL, main drive shaft front  |
| 19 | 314 198 R1  | CAP, bearing<br>3/8 x 1" hex-hd. cap SCREW (4)<br>3/8" lock WASHER (4)  |
| 20 | 313 516 R1  | "O" RING, 4-1/2 x 4-3/4 x 1/8" bearing cap  |
| 21 | 314 738 R1  | SHAFT, main drive   |
| 22 | 260 253 R91 | BEARING, main drive shaft front   |
| 23 | 309 055 R1  | RING, bearing retainer (optional with 300 026 R1)   |
| 23 | 300 026 R1  | RING, bearing retainer (optional with 309 055 R1)   |
| 24 | ST 264      | BEARING, main drive shaft rear  |
| 25 | 317 589 R1  | SLEEVE, main drive shaft wear   |
| 26 | 314 733 R91 | HOUSING, main drive shaft   |
| 27 |             | OIL SEAL, main drive shaft rear (order 308 677 R92)   |
| 28 | 299 491 R91 | SEAL, power take-off shaft oil wiper  |
| 29 | 314 419 R91 | COVER, universal joint drive (2)<br>1/4 x 1/2" hex-hd. cap SCREW (4)<br>1/4" lock WASHER (4)<br>9/32 x 5/8 x .065 ga. WASHER (4)  |
| 30 | 314 214 R91 | TURNBUCKLE ASSEMBLY (2)<br>(Composed of -<br>1 CLEVIS 144 247<br>1 CLEVIS 19 666 R1<br>1 NUT 19 664 R1<br>1 ROD 314 215 R11)  |
|    | 311 191 R1  | PIN, 3/4" rod end clevis (4)<br>5/32 x 1-1/4" cotter PIN (4)  |
| 31 | 19 666 R1   | CLEVIS, turnbuckle (LH thread) (2)  |
| 32 | 19 664 R1   | NUT, 3/4NF (LH thread) (2)  |
| 33 | 314 215 R11 | ROD, turnbuckle (2)   |
| 34 |             | NUT, 3/4NF (2)  |

**UNITS COMMON FOR  
EQUIPMENT COMBINATIONS**



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

FRONT DRIVE - CONTINUED

TD-15 (150 Series) TD-15-600-1 EQUIPMENT COMBINATION, Pay Welder (for use with Pay Welder)

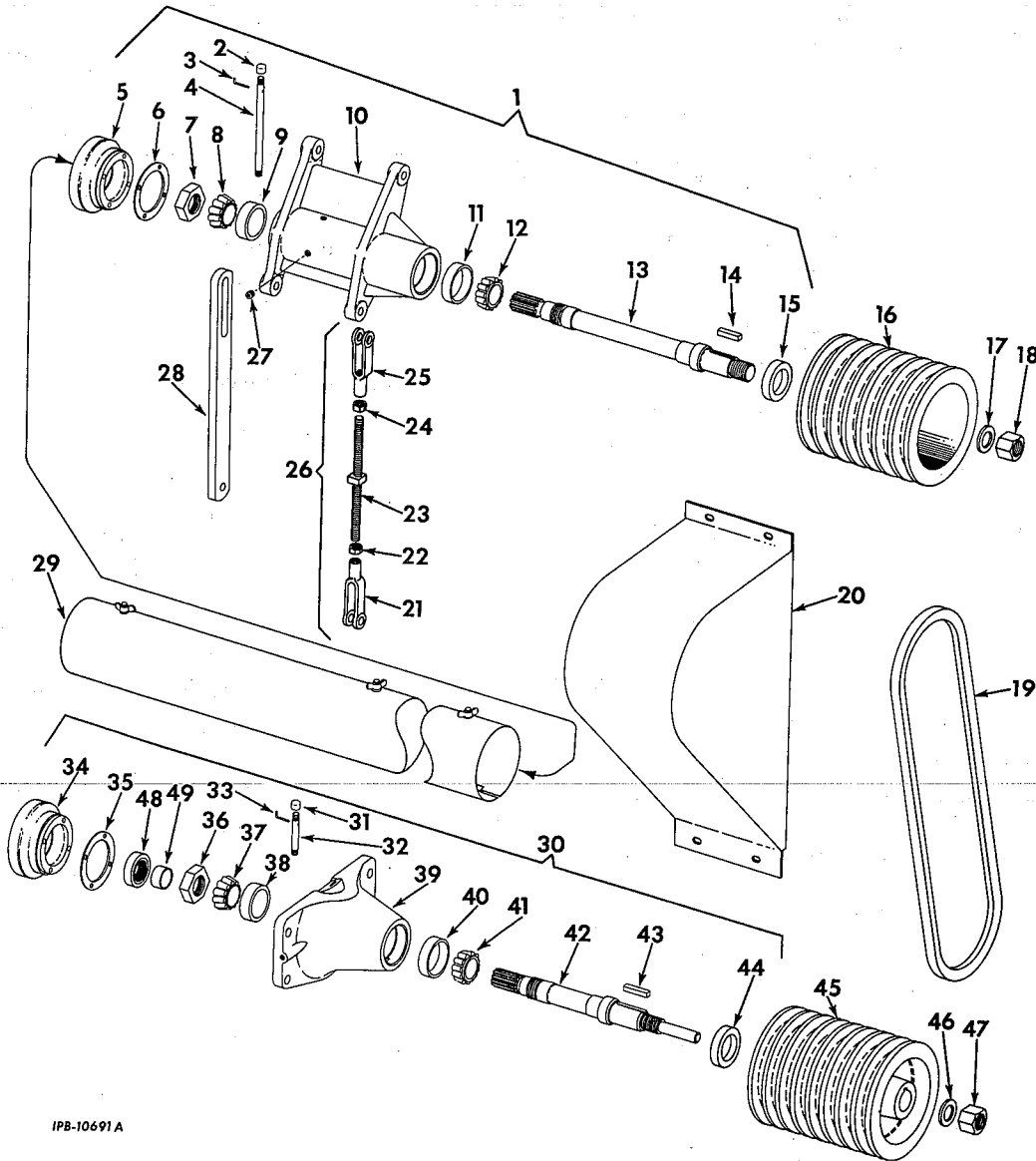
|    |                          |  |
|----|--------------------------|--|
| 35 | 144 247                  | CLEVIS, turnbuckle   |
| 36 | 320 525 R1<br>273 698 R1 | BAR, generator drive housing support (2)<br>BOLT, 3/4NF x 1-5/16" (2)<br>3/4NF NUT (2)<br>3/4" external tooth lock WASHER (4)  |
| 37 | 299 491 R91              | SEAL, generator drive shaft oil wiper (2)  |
| 38 |                          | OIL SEAL, generator drive shaft rear (order 308 677 R92)   |
| 39 | 320 529 R91              | HOUSING, generator drive (will work for 314 740 R91) (2)   |
|    | 317 621 R91              | BUSHING, 1/4 x 1/2" reducing pipe (2)<br>CAP, breather (2)<br>COUPLING, 1/2 x 1/4" reducing pipe   |
|    | 314 772 R91              | DRIVE ASSEMBLY, generator (order 314 772 R92)<br>(Composed of -<br>1 BEARING ST 264<br>1 BEARING 260 253 R91<br>1 CAP 314 198 R1<br>1 HOUSING 320 529 R91<br>1 KEY Q 56<br>1 "O" RING 313 516 R1<br>1 PACKAGE 308 677 R92<br>1 RING 309 055 R1<br>1 SEAL 111 644 R91<br>1 SEAL 299 491 R91<br>1 SHAFT 314 745 R1<br>1 SLEEVE 317 589 R1<br>3/4NF NUT (4)<br>SCREW, 3/4NF x 2-5/16" dowel cap (4) |
|    | 273 698 R1               |  |
|    | Q 56                     | KEY, drive pulley (3)  |
|    | 308 677 R92              | PACKAGE, oil seal and wear sleeve (consists of SLEEVE, 317-589 R1 and OIL SEAL) (3)  |
|    | 314 737 R1               | PIPE, filler   |
|    |                          | PLUG, 1/8" slt. hdls. main drive shaft housing (2)   |
|    |                          | PLUG, 1/2" sq-soc. generator drive housing level (2)   |

-176-

## UNITS COMMON FOR EQUIPMENT COMBINATIONS

FRONT DRIVE

TD-15 (151 Series) TD-15-600-1 EQUIPMENT COMBINATION, Pay Welder (for use with Pay Welder) or TD-15-700-0 EQUIPMENT COMBINATION, Sideboom (for use with Superior 150B Bucket Backfiller)



IPB-10691A

-176-

## UNITS COMMON FOR EQUIPMENT COMBINATIONS

FRONT DRIVE - CONTINUED

TD-15 (151 Series) TD-15-600-1 EQUIPMENT COMBINATION, Pay Welder (for use with Pay Welder) or TD-15-700-0 EQUIPMENT COMBINATION, Sideboom (for use with Superior 150B Bucket Backfiller)

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

(X) - KEY TO UNITS -

- A - Service parts for Front Drive used on TD-15-700-0 Backfiller Equipment Combinations.
  - B - Service parts for Front Drive used on TD-15-600-1 Pay Welder Equipment Combinations.
- (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.

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

- |   |             |   |
|---|-------------|---|
| 1 | 314 772 R92 | DRIVE ASSEMBLY, generator (Unit A) (2 for Unit B) |
|   |             | (Composed of -                                    |
|   | 1           | CAP 119 101                                       |
|   | 1           | CAP 322 435 R1                                    |
|   | 1           | CONE 85 971 H                                     |
|   | 1           | CONE 321 547 R91                                  |
|   | 1           | CUP ST 863  |
|   | 1           | CUP ST 970  |
|   | 1           | GASKET 322 432 R1                                 |
|   | 1           | HOUSING 322 434 R1                                |
|   | 1           | KEY Q-56  |
|   | 1           | NUT 254 487 R1                                    |





### UNITS COMMON FOR EQUIPMENT COMBINATIONS

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

FRONT DRIVE - CONTINUED

TD-15 (151 Series) TD-15-600-1 EQUIPMENT COMBINATION, Pay Welder (for use with Pay Welder) or TD-15-700-0 EQUIPMENT COMBINATION, Sideboom (for use with Superior 150B Bucket Backfiller)

|    |             |  |
|----|-------------|--|
| 1  | 314 772 R92 | DRIVE ASSEMBLY, generator (Unit A) (2 for Unit B) - Continued<br>(Composed of - Continued<br>1 PACKAGE 322 429 R91<br>1 PIPE 322 437 R1<br>3 PLUG 116 566<br>1 SEAL 321 546 R1<br>1 SHAFT 322 436 R1<br>1 SLEEVE 317 589 R1<br>1 WIRE 286 952 R1 ) |
| 2  | 119 101     | CAP, filler pipe (Unit A) (2 for Unit B)   |
| 3  | 286 952 R1  | WIRE, oil filler pipe (Unit A) (2 for Unit B)  |
| 4  | 322 437 R1  | PIPE, oil filler (Unit A) (2 for Unit B)   |
| 5  | 322 435 R1  | CAP, bearing retainer (Unit A) (2 for Unit B)<br>3/8 x 2" hex-hd cap SCREW (4 for Unit A) (8 for Unit B)<br>3/8" lock WASHER (4 for Unit A) (8 for Unit B)   |
| 6  | 322 432 R1  | GASKET, bearing retainer cap (Unit A) (2 for Unit B)   |
| 7  | 254 487 R1  | NUT, bearing retainer (Unit A) (2 for Unit B)  |
| 8  | 321 547 R91 | CONE, generator drive shaft rear bearing (Unit A) (2 for Unit B)   |
| 9  | ST 970      | CUP, generator drive shaft rear bearing (Unit A) (2 for Unit B)  |
| 10 | 322 434 R1  | HOUSING, generator drive (Unit A) (2 for Unit B)   |
| 11 | ST 863      | CUP, generator drive shaft front bearing (Unit A) (2 for Unit B)   |
| 12 | 85 971 H    | CONE, generator drive shaft front bearing (Unit A) (2 for Unit B)  |
| 13 | 322 436 R1  | SHAFT, generator drive (Unit A) (2 for Unit B)   |
| 14 | Q 56        | KEY, generator drive pulley (Unit A) (2 for Unit B)  |
| 15 | 321 546 R1  | SEAL, generator drive shaft front (Unit A) (2 for Unit B)  |
| 16 | 314 207 R2  | PULLEY, generator drive (Unit A) (2 for Unit B)  |
| 17 |             | WASHER, 1-9/16" generator drive pulley retainer nut (Unit A) (2 for Unit B)  |
| 18 |             | NUT, 1-1/2" generator drive pulley retainer (Unit A) (2 for Unit B)  |
| 19 | 313 566 R91 | BELT, generator drive (matched set of 4) (2 for Unit B)  |
| 19 | 322 505 R91 | BELT, generator drive (matched set of 7) (Unit A)  |
| 20 | 314 746 R91 | COVER, LH pulley (Unit B)  |
| 20 | 314 747 R91 | COVER, RH pulley<br>1/2 x 3/4" hex-hd cap SCREW (4 for Unit A) (8 for Unit B)<br>1/2" lock WASHER (4 for Unit A) (8 for Unit B)<br>17/32" WASHER (4 for Unit A) (8 for Unit B)   |
| 21 | 19 666 R1   | CLEVIS, turnbuckle (LH thread) (Unit A) (2 for Unit B)   |
| 22 | 19 664 R1   | NUT, 3/4NF (LH thread) (Unit A) (2 for Unit B)   |
| 23 | 314 215 R11 | ROD, turnbuckle (Unit A) (2 for Unit B)  |
| 24 |             | NUT, 3/4NF (Unit A) (2 for Unit B)   |
| 25 | 144 427     | CLEVIS, turnbuckle (Unit A) (2 for Unit B)   |
| 26 | 314 214 R91 | TURNBUCKLE (Unit A) (2 for Unit B)<br>(Composed of -<br>1 CLEVIS 144 247<br>1 CLEVIS 19 666 R1<br>1 NUT 19 664 R1<br>1 ROD 314 215 R11)  |
| 27 | 116 566     | PLUG, 1/2" pipe (3 for Unit A) (6 for Unit B)  |
| 28 | 320 525 R1  | BAR, generator drive housing support (Unit A) (2 for Unit B)   |
|    | 273 698 R1  | BOLT, 3/4NF x 1-5/16" dowel (Unit A) (2 for Unit B)<br>3/4NF NUT (Unit A) (2 for Unit B)<br>3/4" external-tooth lock WASHER (Unit A) (2 for Unit B)  |



### UNITS COMMON FOR EQUIPMENT COMBINATIONS

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

FRONT DRIVE - CONTINUED

TD-15 (151 Series) TD-15-600-1 EQUIPMENT COMBINATION, Pay Welder (for use with Pay Welder) or TD-15-700-0 EQUIPMENT COMBINATION, Sideboom (for use with Superior 150B Bucket Backfiller)

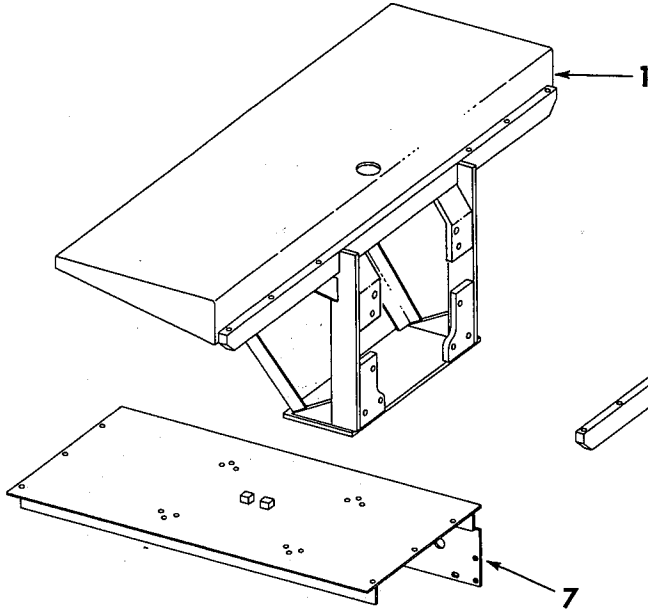
|    |             |  |
|----|-------------|--|
| 29 | 314 419 R91 | COVER, universal joint drive (2 for Unit B)<br>1/4 x 1/2" hex-hd cap SCREW (4 for Unit B)<br>1/4" lock WASHER (4 for Unit B)<br>9/32" WASHER (4 for Unit B)  |
| 30 | 322 427 R91 | DRIVE ASSEMBLY, main (will work for 314 771 R91)<br>(Composed of -<br>1 ELBOW 137 984<br>1 CAP 119 101<br>1 CAP 322 431 R1<br>1 CONE 85 971 H<br>1 CONE 321 547 R91<br>1 CUP ST 863<br>1 CUP ST 970<br>1 GASKET 322 432 R1<br>1 HOUSING 322 430 R91<br>1 KEY 113 782<br>1 KEY Q-56<br>1 NUT 254 487 R1<br>1 PACKAGE 322 429 R91<br>1 PIPE 322 433 R1<br>1 SEAL 321 546 R1<br>1 SHAFT 322 428 R1<br>1 SLEEVE 317 589 R1<br>1 VALVE 134 159<br>1 WIRE 286 952 R1 ) |
|    | 314 225 R1  | SHIM, washer (X)<br>3/4 x 1-3/4" hex-hd cap SCREW (4)  |
| 31 | 119 101     | CAP, filler pipe   |
| 32 | 322 433 R1  | PIPE, oil filler   |
| 33 | 286 952 R1  | WIRE, oil filler pipe  |
| 34 | 322 431 R1  | CAP, bearing retainer<br>3/8 x 2" hex-hd cap SCREW (4)<br>3/8" lock WASHER (4)   |
| 35 | 322 432 R1  | GASKET, bearing retainer cap   |
| 36 | 254 487 R1  | NUT, bearing retainer  |
| 37 | 321 547 R91 | CONE, main drive shaft rear bearing  |
| 38 | ST 970      | CUP, main drive shaft rear bearing   |
| 39 | 322 430 R1  | HOUSING, main drive  |
| 40 | ST 863      | CUP, main drive shaft front bearing  |
| 41 | 85 971 H    | CONE, main drive shaft front bearing   |
| 42 | 322 428 R1  | SHAFT, main drive  |
| 43 | Q-56        | KEY, main drive pulley   |
| 44 | 321 546 R1  | SEAL, main drive shaft front   |
| 45 | 314 739 R1  | PULLEY, main drive   |
| 46 |             | WASHER, 1-9/16" main drive pulley retainer nut   |
| 47 |             | NUT, 1-1/2" main drive pulley retainer   |
| 48 |             | OIL SEAL, rear mainshaft (order PACKAGE, 322 429 R91)  |
| 49 | 317 589 R1  | SLEEVE, main drive shaft wear (2 for Unit A) (3 for Unit B)  |
|    | 273 698 R1  | BOLT, 3/4NF x 2-5/16" dowel (4 for Unit A) (8 for Unit B)<br>3/4NF NUT (4 for Unit A) (8 for Unit B)   |
|    | 137 984     | ELBOW, 1/2" street   |
|    | 113 782     | KEY, Woodruff No. 15   |
|    | 322 429 R91 | PACKAGE, oil seal and wear sleeve (2 for Unit A) (3 for Unit B)  |
|    | 311 191 R1  | PIN, 3/4" rod end clevis (2 for Unit A) (4 for Unit B)<br>5/32 x 1-1/4" cotter PIN (2 for Unit A) (4 for Unit B)   |
|    | 134 159     | VALVE, oil level drain   |
|    |             | X - As Required.   |

# UNITS COMMON FOR EQUIPMENT COMBINATIONS



## FRONT PLATFORM, FENDERS AND SUPPORTS

TD-15-600-1 EQUIPMENT COMBINATION, Pay Welder (for use with Pay Welder) or TD-15-700-0 EQUIPMENT COMBINATION, Sideboom (for use with Superior 150B Bucket Backfiller)

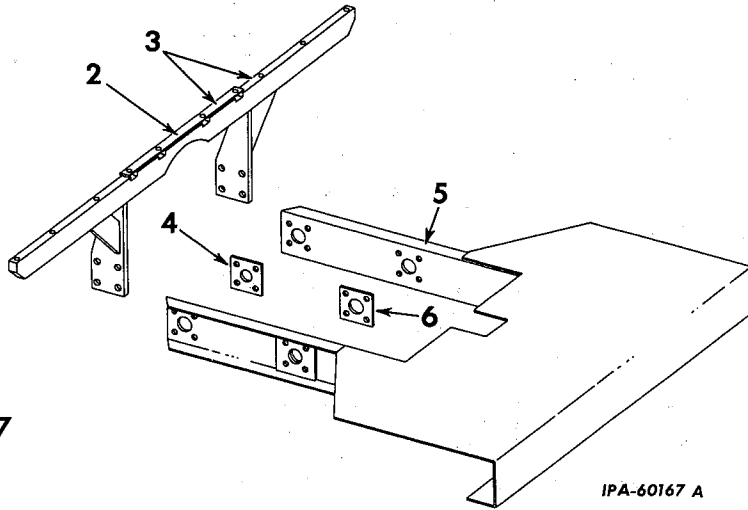


# UNITS COMMON FOR EQUIPMENT COMBINATIONS



## FRONT PLATFORM, FENDERS AND SUPPORTS - CONTINUED

TD-15-600-1 EQUIPMENT COMBINATION, Pay Welder (for use with Pay Welder) or TD-15-700-0 EQUIPMENT COMBINATION, Sideboom (for use with Superior 150B Bucket Backfiller)



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

⊗ - KEY TO UNITS -

- A - 314 154 R91 ATTACHMENT, front platform (TD-15-600-1) (See NOTES 1 and 3)
- B - Service parts for Fenders and Supports (TD-15-600-1) or (TD-15-700-0)

⊗ - 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.

- 1 314 168 R92 SUPPORT, drawbar guide and fender rear (Unit B)  
7/8NF NUT (6)
- 2 314 161 R1 SPACER, platform (Unit B)
- 3 314 157 R91 SUPPORT w/SPACER, 314 161 R1, fender front (Unit B)  
7/8 x 3-3/4" hex-hd. cap SCREW (8)
- 4 314 162 R1 SPACER, fender support (2 for Unit B)
- 5 314 188 R91 BUMPER, front (Unit A)  
7/8 x 3-1/4" hex-hd. cap SCREW (16)

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

- 6 314 192 R1 SPACER, front bumper (X) (for Unit A)
- 7 314 179 R11 FENDER, LH (Unit B)
- 7 314 180 R11 FENDER, RH (Unit B)  
1/2" NUT (3)  
1/2 x 1-3/8" hex-hd. cap SCREW (4)  
5/8 x 1-1/4" hex-hd. cap SCREW (6)  
1/2 x 1-1/2" hex-hd. cap SCREW (3)  
1/2" lock WASHER (7)  
17/32 x 1-1/16" x 13 ga. WASHER (6)

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

X - As Required.

**UNITS COMMON FOR  
EQUIPMENT COMBINATIONS**

**PUMP**

(Hydrec)

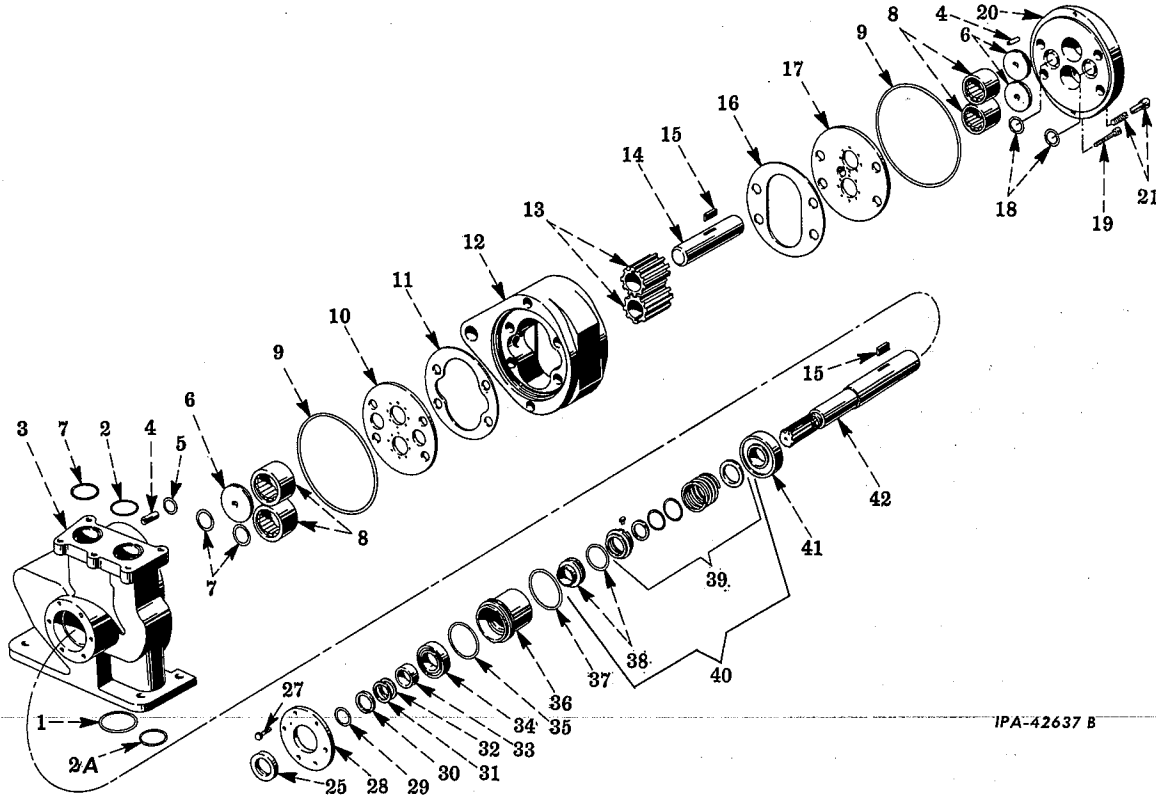
TD-15-502-1 EQUIPMENT COMBINATION, Sideboom (for use with Superior SBI-150BH Sideboom) or TD-15-504-2 Equipment Combination, Sideboom (for use with Superior SBI-150 Sideboom and Hydraulic Blade Backfiller or SBI-150BH Sideboom and Hydraulic Blade Backfiller)

**UNITS COMMON FOR  
EQUIPMENT COMBINATIONS**

**PUMP - CONTINUED**

(Hydrec)

TD-15-502-1 EQUIPMENT COMBINATION, Sideboom (for use with Superior SBI-150BH Sideboom) or TD-15-504-2 Equipment Combination, Sideboom (for use with Superior SBI-150 Sideboom and Hydraulic Blade Backfiller or SBI-150BH Sideboom and Hydraulic Blade Backfiller)



IPA-42637 B

| REF. NO. | I.H. PART NUMBER | DESCRIPTION   |
|----------|------------------|---|
|          | 295 623 R92      | PUMP, hydraulic, assembly (3030J16B2)   |
| 1        | 254 091 R1       | "O" RING, 2-3/4 x 3 x 1/8" (optional with 310 929 R1)   |
| 1        | 310 929 R1       | "O" RING, 2-3/4 x 3 x 1/8" (optional with 254 091 R1)   |
| 2        | 259 099 R1       | "O" RING, valve to low pressure inlet (2-1/8 x 2-3/8 x 1/8")  |
| 2A       | 259 099 R1       | "O" RING, low pressure outlet to tank (2-1/8 x 2-3/8 x 1/8")  |
| 3        | 313 860 R1       | ADAPTER, pump (together with WASHER, 295 754 R1, two BEARING, 287 200 R91, and PIN, 295 755 R1 will work for 295 753 R91) (2X30X20) |
| 4        | 295 755 R1       | PIN, dowel (A793X1) (2)   |
| 5        | 164 513 R1       | "O" RING (1-3/8 x 1-5/8 x 1/8")   |
| 6        | 295 754 R1       | WASHER, thrust (834X3) (3)  |
| 7        | 255 088 R1       | "O" RING, high pressure inlet to valve (1-7/8 x 2-1/8 x 1/8")   |
| 7        | 255 088 R1       | "O" RING, adapter end (1-7/8 x 2-1/8 x 1/8") (2)  |

| REF. NO. | I.H. PART NUMBER | DESCRIPTION  |
|----------|------------------|--|
| 8        | 287 200 R91      | BEARING, roller (4)  |
| 9        | 259 190 R1       | "O" RING, pump housing (7 x 7-1/4 x 1/8") (optional with 310 932 R1) (2) |
| 9        | 310 932 R1       | "O" RING, pump housing (7 x 7-1/4 x 1/8") (optional with 259 190 R1) (2) |
| 10       | 295 766 R1       | PLATE, wear (12X30X10)   |
| 11       | 295 770 R1       | GASKET (.001 thick) (712X153A) (X)                                       |
| 11       | 295 771 R1       | GASKET (.002 thick) (712X153B) (X)                                       |
| 12       | 295 750 R1       | HOUSING, pump (1X3030X10)  |
| 13       | 295 752 R1       | GEAR (6X3030X4) (2)  |
| 14       | 295 751 R1       | SHAFT, driven (5X3030X2)   |
| 15       | 295 772 R1       | KEY (A262X6) (2)   |
| 16       | 295 769 R1       | GASKET (.002 thick) (712X117B) (X)                                       |
| 17       | 295 765 R1       | PLATE, wear (12X30X16)   |
| 18       | 252 482 R1       | "O" RING, pump cover (1-1/2 x 1-3/4 x 1/8") (2)                          |
|          |                  | X - As Required  |

# UNITS COMMON FOR EQUIPMENT COMBINATIONS



# MEMORANDUM



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

**PUMP - CONTINUED**  
(Hydreco)

TD-15-502-1 EQUIPMENT COMBINATION, Sideboom (for use with Superior SBI-150BH Sideboom) or TD-15-504-2 Equipment Combination, Sideboom (for use with Superior SBI-150 Sideboom and Hydraulic Blade Backfiller or SBI-150BH Sideboom and Hydraulic Blade Backfiller)

|    |             |  |
|----|-------------|--|
| 19 |             | SCREW, 3/8NF x 1-3/4" hex-soc-hd cap (2)   |
| 20 | 309 023 R1  | COVER (3X30X11)  |
| 21 |             | SCREW, 7/8NF x 5" hex-hd cap (4)   |
| 25 | 295 749 R91 | OIL SEAL (A362X91)   |
| 27 | 298 179 R1  | SCREW, 3/8NF x 1-1/4" hex-dld hd cap (6)   |
| 28 | 295 767 R1  | PLATE, seal retainer (521X35)  |
| 29 | 350 818 R1  | "O" RING, drive shaft spacer<br>(1 x 1-1/4 x 1/8")   |
| 30 | 295 760 R1  | RING, snap (812X129)   |
| 31 | 295 763 R1  | SHIM (A774X1) (X)  |
| 32 | 295 764 R1  | SHIM (A774X5) (X)  |
| 33 | 295 761 R1  | SPACER (830X277)   |
| 34 | ST 205 A    | BEARING, drive shaft (A330X7)  |
| 35 | 285 723 R1  | "O" RING, seal retainer plate (3-1/8 x<br>3-3/8 x 1/8") (optional with 310 934 R1)   |
| 35 | 310 934 R1  | "O" RING, seal retainer plate (3-1/8 x<br>3-3/8 x 1/8") (optional with 285 723 R1)   |
| 36 | 295 759 R1  | RETAINER, seal (758X4)   |
| 37 | 295 762 R1  | "O" RING, seal retainer (3 x 3-3/8 x<br>3/16")   |
| 38 |             | SEAT, seal (order 296 944 R91)   |
| 39 |             | SEAL (order 296 944 R91)   |
| 40 | 296 944 R91 | PACKAGE, field service, seal seat and seal<br>(will work for 293 636 R91 and 293 637 R91)  |
| 41 | 295 799 R91 | BEARING, drive shaft   |
| 42 | 295 758 R1  | SHAFT, drive (4X3030X10)   |
|    | 109 354     | FITTING, lubrication, 1/8" x 90° NPT<br>(Alemite 1613) (optional with 109 462)   |
|    | 109 462     | FITTING, lubrication, 1/8" x 90° NPT<br>(Lincoln 5400) (optional with 109 354)   |
|    | 294 773 R1  | PLUG, pipe, hex-socket, 1/4"   |
|    | 295 757 R91 | SHAFT, drive, assembly (9X30X2)<br>(Composed of -<br>1 BEARING ST 205 A<br>1 BEARING 295 799 R91<br>1 "O" RING 295 762 R1<br>1 "O" RING 350 818 R1<br>1 PACKAGE 296 944 R91<br>1 RETAINER 295 759 R1<br>1 RING 295 760 R1<br>1 SHAFT 295 758 R1<br>X SHIM 295 763 R1<br>X SHIM 295 764 R1<br>1 SPACER 295 761 R1 ) |
|    | 278 047 R92 | UNIT, PUMP and VALVE w/PUMP,<br>295 623 R92, VALVE, 278 048 R91 and<br>FLOW CONTROL (also listed with "Valve")<br>(PV6X6)  |
|    | 271 608     | SCREW, cap, hex-hd 3/4NC x 1-5/8" (4)  |
|    | 114 610     | WASHER, lock, external-tooth, 3/4" (4)   |

X - As Required

# UNITS COMMON FOR EQUIPMENT COMBINATIONS



## HYDRAULIC VALVE

(Hydreco)

TD-15-502-1 EQUIPMENT COMBINATION, Sideboom (for use with Superior SBI-150BH Sideboom) or TD-15-504-2 Equipment Combination, Sideboom (for use with Superior SBI-150 Sideboom and Hydraulic Blade Backfiller or SBI-150BH Sideboom and Hydraulic Blade Backfiller)

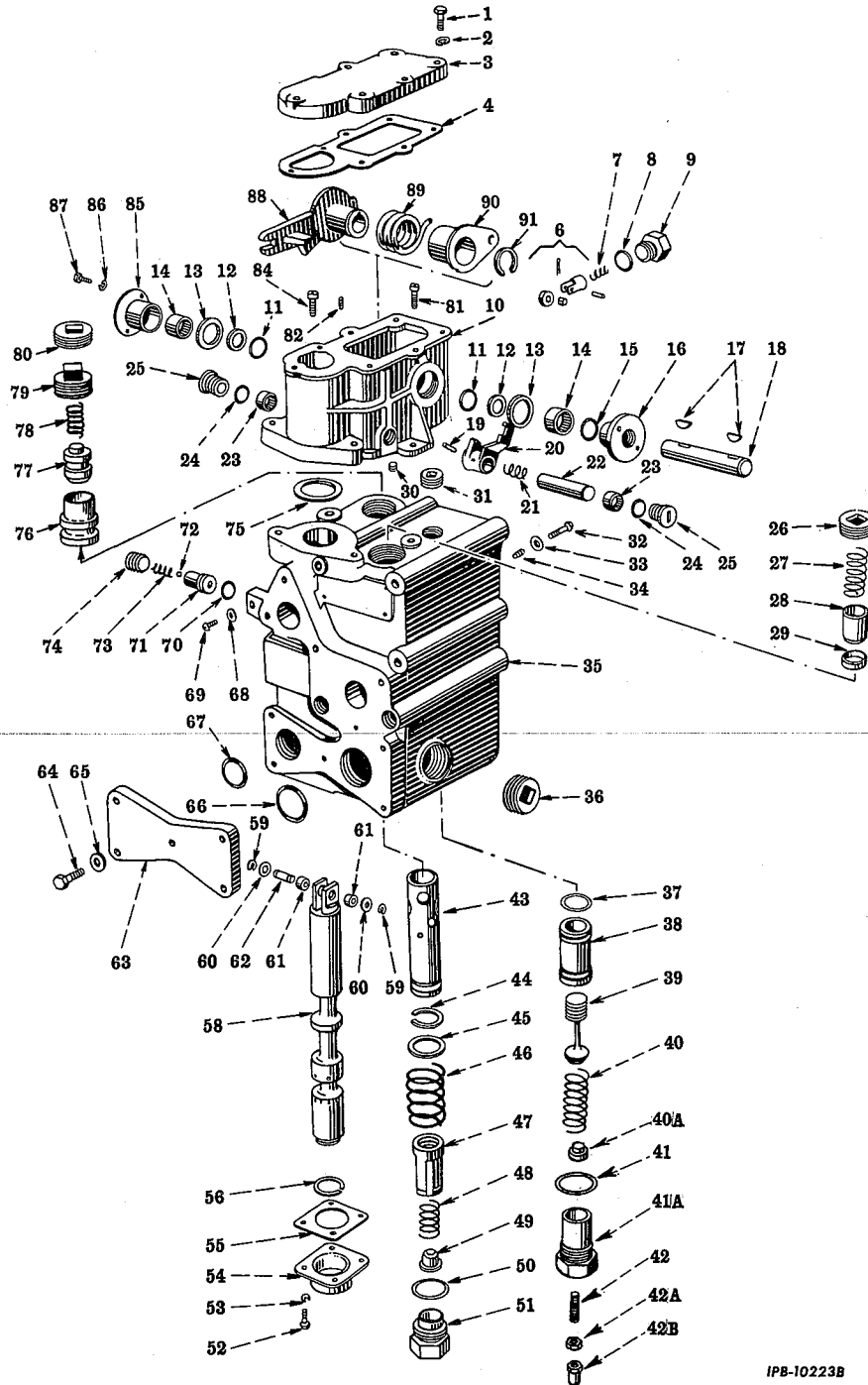
# UNITS COMMON FOR EQUIPMENT COMBINATIONS



## HYDRAULIC VALVE - CONTINUED

(Hydreco)

TD-15-502-1 EQUIPMENT COMBINATION, Sideboom (for use with Superior SBI-150BH Sideboom) or TD-15-504-2 Equipment Combination, Sideboom (for use with Superior SBI-150 Sideboom and Hydraulic Blade Backfiller or SBI-150BH Sideboom and Hydraulic Blade Backfiller)



IPB-10223B


**UNITS COMMON FOR  
EQUIPMENT COMBINATIONS**

| REF. NO.   | I. H. PART NUMBER | DESCRIPTION  |
|--|-------------------|--|
| HYDRAULIC VALVE - CONTINUED<br>(Hydreco)<br>TD-15-502-1 EQUIPMENT COMBINATION, Sideboom (for use with Superior SBI-150BH Sideboom) or TD-15-504-2 Equipment Combination, Sideboom (for use with Superior SBI-150 Sideboom and Hydraulic Blade Backfiller or SBI-150BH Sideboom and Hydraulic Blade Backfiller) |                   |  |
|  | 278 048 R91       | VALVE ASSEMBLY, hydraulic (VZ26X10)  |
| 1  |                   | SCREW, 5/16 x 1-1/2" hex-hd. cap (7)   |
| 2  |                   | WASHER, 5/16" lock (7)   |
| 3  | 295 777 R1        | COVER, housing (763X5)   |
| 4  | 295 778 R1        | GASKET (712X154)   |
| 6  | 293 669 R91       | DETENT (764X1)   |
| 7  | 293 658 R1        | SPRING (A501X268)  |
| 8  | 356 005 R1        | "O" RING, 1-1/8 x 1-3/8 x 1/8" cover cap                                       |
| 9  | 293 668 R1        | CAP, cover (514X353)   |
| 10   | 324 498 R1        | HOUSING, plunger lever (762X11)  |
| 11   | 293 673 R1        | WASHER (A822X1) (X)  |
| 12   | 293 672 R1        | WASHER (special) (A408X35) (2)   |
| 13   | 293 739 R1        | "O" RING, 1-3/8 x 1-5/8 x 1/8" bearing retainer (optional with 164 513 R1) (2) |
| 13   | 164 513 R1        | "O" RING, 1-3/8 x 1-5/8 x 1/8" bearing retainer (optional with 293 739 R1) (2) |
| 14   | 551 139 R91       | BEARING, control shaft (A340X25) (2)   |
| 15   | 253 070 R1        | "O" RING, 7/8 x 1-1/8 x 1/8" bearing retainer                                  |
| 16   | 293 674 R1        | RETAINER, bearing (816X5)  |
| 17   | 114 813           | KEY, woodruff No. 10 (A258X12) (2)   |
| 18   | 295 781 R1        | SHAFT, control (M7X41)   |
| 19   | 17 175 R1         | ROLL PIN (A770X9)  |
| 20   | 295 780 R1        | CAM and LATCH (M6X78)  |
| 21   | 295 783 R1        | SPRING (A806X6)  |
| 22   | 295 782 R1        | SHAFT, latch (M7X42)   |
| 23   | 293 698 R1        | BEARING, cam latch shaft (A340X24) (2)   |
| 24   | 352 221 R1        | "O" RING, 9/16 x 3/4 x 3/32" latch shaft (2)                                   |
| 25   | 293 681 R1        | CAP (514X354) (2)  |
| 26   | 310 991 R1        | PLUG, pipe (A695X7)  |
| 27   | 295 797 R1        | SPRING (A501X146)  |
| 28   | 295 789 R1        | SEAT, check valve (415X56)   |
| 29   | 295 788 R1        | SEAT, check valve (414X79)   |
| 30   | 294 286 R1        | PLUG, 1/8" hex-soc-hd. pipe (special) (A300X1)                                 |
| 31   | 444 703           | PLUG, pipe (A300X4) (will work for 293 742 R1) (2)                             |
| 32   |                   | SCREW, 5/16 x 1/2" rd-hd. cap  |
| 33   | 317 857 R1        | WASHER, 5/16 x 1/2 x 1/32" copper (A418X2)                                     |
| 34   |                   | SCREW, 5/16 x 1/4" hex-soc., cup-pt. set                                       |
| 35   |                   | Not Furnished Separately (order 278 048 R91)                                   |
| 36   | 293 696 R1        | PLUG, pipe (A300X8)  |
| 37   | 252 482 R1        | "O" RING, 1-7/16 x 1-11/16 x 1/8" relief valve seat                            |


**UNITS COMMON FOR  
EQUIPMENT COMBINATIONS**

| REF. NO.   | I. H. PART NUMBER | DESCRIPTION   |
|--|-------------------|---|
| HYDRAULIC VALVE - CONTINUED<br>(Hydreco)<br>TD-15-502-1 EQUIPMENT COMBINATION, Sideboom (for use with Superior SBI-150BH Sideboom) or TD-15-504-2 Equipment Combination, Sideboom (for use with Superior SBI-150 Sideboom and Hydraulic Blade Backfiller or SBI-150BH Sideboom and Hydraulic Blade Backfiller) |                   |   |
| 38   | 295 787 R1        | SEAT, relief valve (414X78)                               |
| 39   | 293 650 R1        | PLUNGER, relief valve (415X49)                            |
| 40   | 304 128 R1        | SPRING (A501X207)   |
| 40A  | 278 050 R1        | GUIDE, spring (416X48)                                    |
| 41   | 290 987 R1        | "O" RING, 1-3/4 x 2 x 1/8" (optional with 310 939 R1)     |
| 41   | 310 939 R1        | "O" RING, 1-3/4 x 2 x 1/8" (optional with 290 987 R1)     |
| 41A  | 278 049 R1        | CAP (574X480)   |
| 42   | 113 954 R1        | SCREW, adjusting (A232X12)                                |
| 42A  | 113 955 R1        | NUT, lock (A249X3)  |
| 42B  | 113 953 R1        | NUT, acorn (A427X5)                                       |
| 43   | 293 685 R91       | PLUNGER, flow control (755X2)                             |
| 44   | 293 688 R1        | RING, snap (812X64)                                       |
| 45   | 293 689 R2        | WASHER (special) (416X89)                                 |
| 46   | 293 690 R1        | SPRING (A501X270)   |
| 47   | 293 691 R1        | PLUNGER, dashpot (754X8)                                  |
| 48   | 293 692 R1        | SPRING (A501X269)   |
| 49   | 293 693 R1        | GUIDE, spring (416X62)                                    |
| 50   | 290 987 R1        | "O" RING, 1-3/4 x 2 x 1/8" (optional with 310 939 R1)     |
| 50   | 310 939 R1        | "O" RING, 1-3/4 x 2 x 1/8" (optional with 290 987 R1)     |
| 51   | 293 694 R91       | CAP (518X3)   |
| 52   |                   | SCREW, 3/8 x 5/8" hex-hd. cap (4)                         |
| 53   |                   | WASHER, 3/8" lock (4)                                     |
| 54   | 295 792 R1        | COVER, plunger (M10X18)                                   |
| 55   | 295 791 R1        | GASKET (712X155)  |
| 56   | 295 786 R1        | RING, snap (812X119)                                      |
| 58   | 297 241 R1        | PLUNGER, operating (.010" oversize) (512X2440) (See NOTE) |
| 58   |                   | Not Furnished Separately (order 278 048 R91)              |
| 59   | 271 110 R1        | RING, plunger eye shaft snap (A611X12) (2)                |
| 60   |                   | WASHER, 17/32 x 1-1/16" (2)                               |
| 61   | 293 698 R91       | BEARING, plunger eye shaft (A340X24) (2)                  |
| 62   | 293 661 R1        | SHAFT, plunger eye (M7X37)                                |
| 63   | 295 793 R1        | COVER (M17X29)  |
| 64   |                   | SCREW, 1/2 x 1-1/2" hex-hd. cap (5)                       |
| 65   |                   | WASHER, 1/2" lock (5)                                     |
| 66   | 290 028 R1        | "O" RING, 2 x 2-1/4 x 1/8" valve cover                    |
|  |                   | X - As Required   |
|  |                   | NOTE - Used only when valve housing can be reworked.      |

# UNITS COMMON FOR EQUIPMENT COMBINATIONS



# MEMORANDUM



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

### HYDRAULIC VALVE- CONTINUED

(Hydreco)

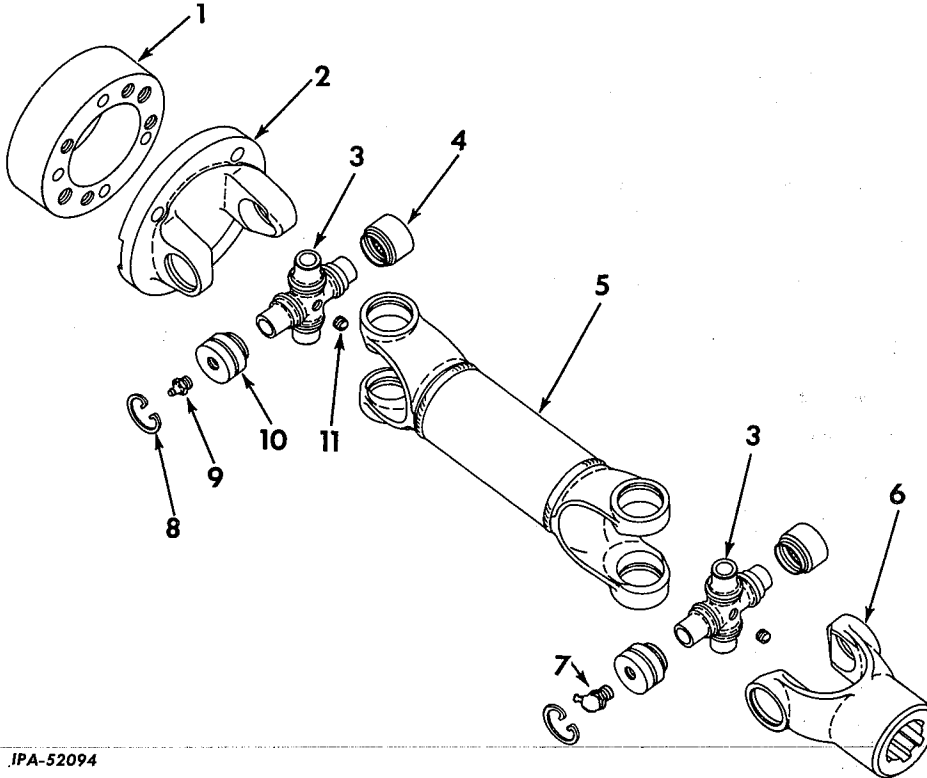
TD-15-502-1 EQUIPMENT COMBINATION, Sideboom (for use with Superior SBI-150BH Sideboom) or TD-15-504-2 Equipment Combination, Sideboom (for use with Superior SBI-150 Sideboom and Hydraulic Blade Backfiller or SBI-150BH Sideboom and Hydraulic Blade Backfiller)

|    |             |  |
|----|-------------|--|
| 67 | 310 939 R1  | "O" RING, 1-3/4 x 2 x 1/8" cover (optional with 290 987 R1)  |
| 67 | 290 987 R1  | "O" RING, 1-3/4 x 2 x 1/8" cover (optional with 310 939 R1)  |
| 68 | 295 796 R1  | GASKET (A402X3)  |
| 69 |             | SCREW, 1/4 x 3/8" rd-hd. mach.   |
| 70 | 355 967 R1  | "O" RING, 3/8 x 1/2 x 1/16" plunger lever relief valve seat  |
| 71 |             | SEAT, relief valve (order 317 858 R91) (414X55)  |
| 72 |             | BALL, 1/4" stl., (order 317 858 R91) (A329X4)  |
| 73 |             | SPRING (order 317 858 R91) (A501X7)  |
| 74 | 294 288 R1  | PLUG, pipe (A639X3)  |
| 75 | 254 091 R1  | "O" RING, 2-3/4 x 3 x 1/8" plunger lever (optional with 310 929 R1)  |
| 75 | 310 929 R1  | "O" RING, 2-3/4 x 3 x 1/8" plunger lever (optional with 254 091 R1)  |
| 76 | 296 927 R1  | SEAT, check valve (414X93)   |
| 77 | 296 928 R1  | POPPET, check (747X18)   |
| 78 | 296 929 R1  | SPRING, poppet (A501X67)   |
| 79 | 296 930 R1  | PLUG, check valve (560X59)   |
| 80 | 293 696 R1  | PLUG, pipe (A300X8)  |
| 81 |             | SCREW, 3/8 x 1" hex-soc-hd. cap (2)  |
| 82 | 297 325 R1  | SCREW, 1/4 x 1/2" hex-soc. fl-pt. set (A924X3)   |
| 84 |             | SCREW, 3/8 x 1-1/2" hex-soc-hd. cap (2)  |
| 85 | 293 675 R1  | RETAINER, bearing (816X6)  |
| 86 |             | WASHER, 1/4" lock (4)  |
| 87 |             | SCREW, 1/4 x 3/4" hex-hd. cap (2)  |
| 88 | 296 945 R1  | PLATE, cam (811X15)  |
| 89 | 296 947 R3  | SPRING, torsion (A806X8)   |
| 90 | 296 946 R91 | PLATE, spring (811X18)   |
| 91 | 300 025 R1  | RING, snap (A611X35)   |
|    | 305 855 R92 | PACKAGE, spring improvement<br>(Consists of -  |
|    |             | 1 ROLL PIN 17 175 R1   |
|    |             | 1 SCREW 297 325 R1   |
|    |             | 1 SPRING 293 690 R1  |
|    |             | 1 SPRING 293 692 R1  |
|    |             | 1 SPRING 295 783 R1  |
|    |             | 1 SPRING 296 947 R3)   |
|    | 317 858 R91 | PACKAGE, thermal relief valve replacement<br>(consists of PLUG w/"O" RING, 355 967 R1)                           |
|    | 295 794 R1  | SCREW, 1/2 x 7-1/2" hex-soc-hd. cap (A125X24) (3)  |
|    | 295 795 R1  | SCREW, 1/2 x 7-3/4" hex-soc-hd. cap (A125X25) (2)  |
|    | 278 047 R92 | UNIT w/PUMP, 295 623 R92, VALVE, 278 048 R91 and FLOW CONTROL, pump and valve (also listed with "Pump") (PV6X10) |
|    | 309 162 R1  | SCREW, 3/4 x 2" hex-hd. cap (4)  |

## UNITS COMMON FOR EQUIPMENT COMBINATIONS

### UNIVERSAL JOINT

(Blood Bros.)  
 TD-15-502-1 EQUIPMENT COMBINATION, Sideboom (for use with Superior SBI-150BH Sideboom) or TD-15-504-2 Equipment Combination, Sideboom (for use with Superior SBI-150 Sideboom and Hydraulic Blade Backfiller or SBI-150BH Sideboom and Hydraulic Blade Backfiller)



IPA-52094

## UNITS COMMON FOR EQUIPMENT COMBINATIONS

### UNIVERSAL JOINT - CONTINUED

(Blood Bros.)  
 TD-15-502-1 EQUIPMENT COMBINATION, Sideboom (for use with Superior SBI-150BH Sideboom) or TD-15-504-2, Sideboom Equipment Combination, Sideboom (for use with Superior SBI-150 Sideboom and Hydraulic Blade Backfiller or SBI-150BH Sideboom and Hydraulic Blade Backfiller)

| REF. NO. | I.H. PART NUMBER | DESCRIPTION  |
|----------|------------------|--|
| 1        | 265 477 R1       | ADAPTER, power take-off coupling<br>3/8 x 3" hex-hd. cap SCREW (6)<br>3/8" lock WASHER (6)   |
| 2        | 283 455 R1       | YOKE, flanged (3NF-34)<br>7/16 x 1-1/4" hex-hd. cap SCREW (4)<br>7/16" external-tooth lock WASHER (4)  |
| 3        | 307 949 R91      | SPIDER ASSEMBLY (will work for 661 672 R1) (2)<br>(Composed of -<br>3 CUP 661 671 R91<br>1 CUP 283 461 R91<br>1 PLUG 103 883<br>4 RING 495 962 R1) |
| 4        | 661 671 R91      | CUP, needle (35N4-2A) (6)  |
| 5        | 283 457 R1       | CENTER, double (3N172-1)   |
| 6        | 265 473 R1       | YOKE, plain (3NYS-20-4)  |
| 7        | 126 152          | FITTING, 45° lubrication (Lincoln 5200) (optional with 271 283)  |
| 7        | 271 283          | FITTING, 45° lubrication (Alemite 1688E) (optional with 126 152)   |

| REF. NO. | I.H. PART NUMBER | DESCRIPTION  |
|----------|------------------|--|
| 8        | 495 962 R1       | RING, lock (3N20) (8)  |
| 9        | 138 322 H        | FITTING, 1/8" lubrication (Alemite 1610BL) (optional with 271 409)   |
| 9        | 271 409          | FITTING, 1/8" lubrication (Lincoln 105000) (optional with 138 322 H)   |
| 10       | 283 461 R1       | CUP, needle (35N4-3A) (2)  |
| 11       | 103 883          | PLUG, center cross oil (208.03) (2)  |
|          | 265 472 R92      | SHAFT w/"U" JOINT ASSEMBLY power take-off (92202-15056) (order 317 615 R91)<br>(Composed of -<br>1 CENTER 283 457 R1<br>1 FITTING 271 283<br>1 FITTING 138 322 H<br>2 SPIDER 307 949 R1<br>1 YOKE 265 473 R1<br>1 YOKE 283 455 R1) |



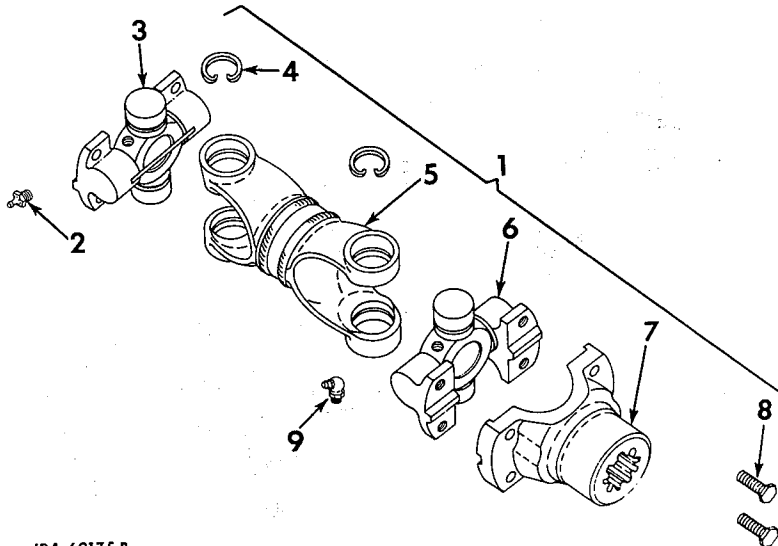
## UNITS COMMON FOR EQUIPMENT COMBINATIONS

### UNIVERSAL JOINT

(Mechanics)

TD-15-502-1 EQUIPMENT COMBINATION, Sideboom (for use with Superior SBI-150BH Sideboom) TD-15-504-2 Equipment Combination, Sideboom (for use with Superior SBI-150 Sideboom and Hydraulic Blade Backfiller or SBI-150BH Sideboom and Hydraulic Blade Backfiller)

TD-15-600-1 EQUIPMENT COMBINATION, Pay Welder (for use with Pay Welder) or TD-15-700-0 Equipment Combination (for use with Superior 150B Bucket Backfiller)



IPA-60175 B

## UNITS COMMON FOR EQUIPMENT COMBINATIONS

### UNIVERSAL JOINT - CONTINUED

(Mechanics)

TD-15-502-1 EQUIPMENT COMBINATION, Sideboom (for use with Superior SBI-150BH Sideboom) TD-15-504-2 Equipment Combination, Sideboom (for use with Superior SBI-150 Sideboom and Hydraulic Blade Backfiller or SBI-150BH Sideboom and Hydraulic Blade Backfiller)

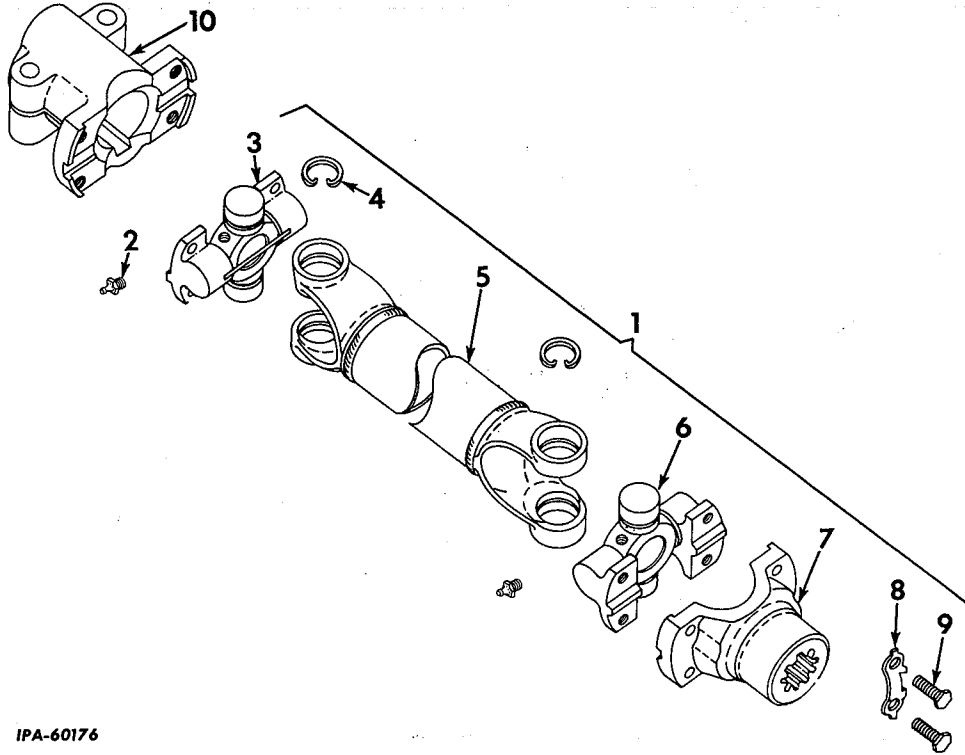
TD-15-600-1 EQUIPMENT COMBINATION, Pay Welder (for use with Pay Welder) or TD-15-700-0 Equipment Combination (for use with Superior 150B Bucket Backfiller)

| REF. NO. | I. H. PART NUMBER | DESCRIPTION  |
|----------|-------------------|--|
| 1        | 317 615 R92       | SHAFT w/"U" JOINT ASSEMBLY, power take-off (2A-15561-1) (will work for 265 472 R92) (TD-15-502-1) or (TD-15-504-2)<br>(Composed of -<br>4 BOLT 37 479 HA<br>2 FITTING 102 467 H<br>8 RETAINER 305 109 R91<br>4 RING 97 710 H<br>8 SHIELD 37 335 H<br>1 SPIDER 317 721 R92<br>1 SPIDER 317 722 R91<br>1 TUBE 317 718 R91<br>1 YOKE 317 723 R1 )<br>3/8 x 1-3/4" hex-hd. cap SCREW (4)<br>3/8" lock WASHER (4) |
| 1        | 317 616 R92       | SHAFT w/universal JOINT ASSEMBLY, power take-off (TD-15-600-1) or (TD-15-700-0)<br>(Composed of -<br>4 BOLT 37 479 HA<br>2 FITTING 110 146 R91<br>8 RETAINER 305 109 R91<br>4 RING 97 710 H<br>8 SHIELD 37 335 H<br>1 SPIDER 317 721 R91<br>1 SPIDER 317 722 R91<br>1 TUBE 317 724 R91<br>1 YOKE 317 708 R1 )<br>3/8NF x 1-3/4" hex-hd cap SCREW (4)<br>3/8" lock WASHER (4)                                 |
| 2        | 110 146 R91       | FITTING, lubrication (Alemite 1792B) (optional with 102 467 H) (2)   |
| 2        | 102 467 H         | FITTING, lubrication (Lincoln 5042) (optional with 110 146 R91) (2)  |

| REF. NO. | I. H. PART NUMBER | DESCRIPTION  |
|----------|-------------------|--|
| 3        | 317 721 R92       | SPIDER w/BEARINGS (114-5131-A)                         |
| 4        | 97 710 H          | RING, snap (5785-J) (4)                                |
| 5        | 317 718 R91       | TUBE (42-15568-2) (used with SHAFT, 317 615 R91)       |
| 5        | 317 724 R91       | TUBE (42-15568-1) (used with SHAFT, 317 616 R91)       |
| 6        | 317 722 R91       | SPIDER w/BEARINGS (114-5132-A)                         |
| 7        | 317 708 R1        | YOKE, fitting (16781J) (used with SHAFT, 317 616 R92)  |
| 7        | 317 723 R1        | YOKE, fitting (16782-J) (used with SHAFT, 317 615 R92) |
| 8        | 37 479 HA         | BOLT, 3/8NF x 27/32" (3544-J) (4)                      |
| 9        | 110 146 R91       | FITTING, lubrication (optional with 102 467 H)         |
| 9        | 102 467 H         | FITTING, lubrication (optional with 110 146 R91)       |
|          | 305 109 R91       | RETAINER and SEAL (12408-J) (8)                        |
|          | 37 335 H          | SHIELD, dust (542-J) (8)                               |

**UNITS COMMON FOR  
EQUIPMENT COMBINATIONS**

GENERATOR DRIVE SHAFT WITH U-JOINTS  
(Mechanics)  
TD-15 (150 Series) TD-15-600-1 EQUIPMENT COMBINATION,  
Pay Welder (for use with Pay Welder)



IPA-60176

**UNITS COMMON FOR  
EQUIPMENT COMBINATIONS**

GENERATOR DRIVE SHAFT WITH U-JOINTS - CONTINUED  
(Mechanics)  
TD-15 (150 Series) TD-15-600-1 EQUIPMENT COMBINATION,  
Pay Welder (for use with Pay Welder)

| REF. NO. | I. H. PART NUMBER | DESCRIPTION  |
|----------|-------------------|--|
| 1        | 317 550 R91       | SHAFT w/universal JOINTS ASSEMBLY, generator drive (order 321 876 R91)<br>(Composed of - |
|          | 4                 | BOLT 37 479 HA   |
|          | 2                 | FITTING 110 146 R91  |
|          | 2                 | PLATE 37 337 H   |
|          | 4                 | RING 97 710 H  |
|          | 1                 | SPIDER 317 721 R91   |
|          | 1                 | SPIDER 317 722 R91   |
|          | 1                 | TUBE 317 727 R91   |
|          | 1                 | YOKE 317 708 R1)   |
|          |                   | 3/8NF x 1-3/4" hex-hd. cap SCREW (8)   |
|          |                   | 3/8" lock WASHER (8)   |
| 2        | 110 146 R91       | FITTING, lubrication (optional with 102 467 H) (4)                                       |
| 2        | 102 467 H         | FITTING, lubrication (optional with 110 146 R91) (4)                                     |

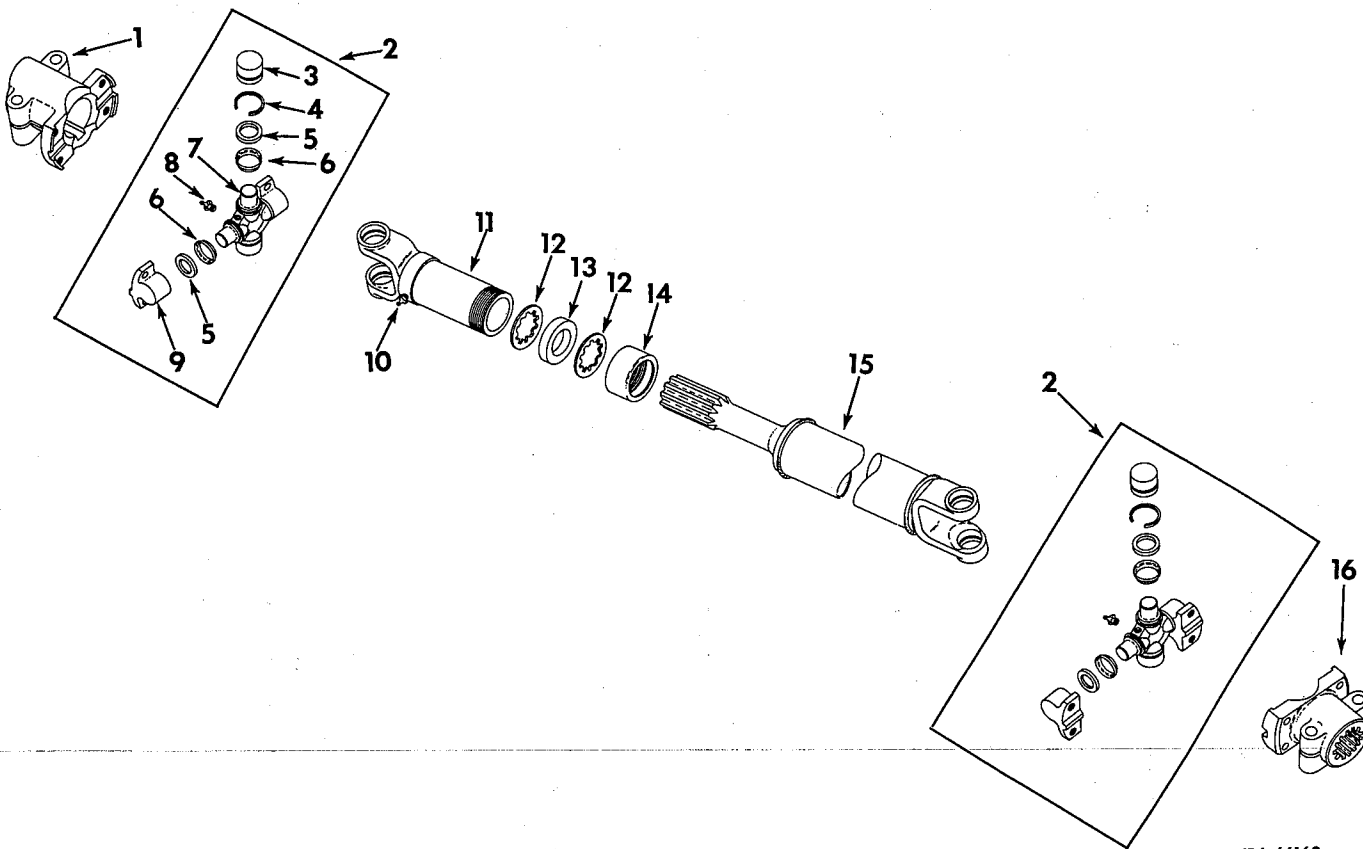
| REF. NO. | I. H. PART NUMBER | DESCRIPTION  |
|----------|-------------------|--|
| 3        | 317 721 R91       | SPIDER w/BEARINGS (114-5131-A) (2)   |
| 4        | 97 710 H          | RING, snap (5785 J) (8)  |
| 5        | 317 727 R91       | TUBE (42-15568-5) (order 321 876 R91)  |
| 6        | 317 722 R91       | SPIDER w/BEARINGS (114-5132-A) (2)   |
| 7        | 317 708 R1        | YOKE, fitting (16781 J) (2)  |
| 8        | 37 337 H          | PLATE, lock (3550 J) (4)   |
| 9        | 37 479 HA         | BOLT, 3/8NF x 27/32" (3544 J) (8)  |
| 10       | 314 773 R1        | ADAPTER, universal joint (2)<br>1/2" NUT (4)<br>1/2 x 2-1/2" hex-hd. cap SCREW (4) |

## UNITS COMMON FOR EQUIPMENT COMBINATIONS



### GENERATOR DRIVE SHAFT WITH U-JOINTS (Mechanics)

TD-15 (151 Series) TD-15-600-1 EQUIPMENT COMBINATION, Pay Welder (for use with Pay Welder) or TD-15-700-0 Equipment Combination, Sideboom (for use with Superior 150B Bucket Backfiller)



IPA-66169

## UNITS COMMON FOR EQUIPMENT COMBINATIONS



### GENERATOR DRIVE SHAFT WITH U-JOINTS - CONTINUED (Mechanics)

TD-15 (151 Series) TD-15-600-1 EQUIPMENT COMBINATION, Pay Welder (for use with Pay Welder) or TD-15-700-0 EQUIPMENT COMBINATION, Sideboom (for use with Superior 150B Bucket Backfiller)

| REF. NO. | I. H. PART NUMBER          | DESCRIPTION   |
|----------|----------------------------|---|
|          | 321 876 R91                | SHAFT ASSEMBLY, generator drive (will work for 317 550 R91) (2)<br>(Consists of the following parts -     |
| 1        | 314 773 R1                 | ADAPTER, yoke (16939-J)<br>3/8NF x 1" hex-hd cap SCREW (4)<br>3/8" lock WASHER (4)                        |
| 2        | 317 722 R91<br>321 899 R91 | SPIDER w/BEARINGS (114-5132-A) (2)<br>SCREW, 3/8NF x 1-1/32" hex-hd cap (8)<br>3/8" light lock WASHER (8) |
| 3        |                            | BEARING CAP (order 317 722 R91)   |
| 4        | 97 710 H                   | RING, snap (5785-J) (4)   |
| 5        | 305 109 R91                | RETAINER and SEAL (12408-J) (8)   |
| 6        | 37 335 H                   | SHIELD, dust (3542-J) (8)   |
| 7        |                            | SPIDER (order 317 722 R91)  |
| 8        | 102 467 H                  | FITTING, lubrication (optional with 110 146 R91) (2)  |
| 8        | 110 146 R91                | FITTING, lubrication (optional with 102 467 H) (2)  |

| REF. NO. | I. H. PART NUMBER | DESCRIPTION  |
|----------|-------------------|--|
| 9        |                   | BEARING, cap (order 317 722 R91)   |
| 10       | 109 461           | FITTING, lubrication (optional with 138 322 H)   |
| 10       | 138 322 H         | FITTING, lubrication (optional with 109 461)   |
| 11       | 321 944 R91       | YOKE, slip (6A 5050)   |
| 12       | 22 251 V          | WASHER, felt retainer (196-J) (2)  |
| 13       | 37 348 H          | WASHER, felt (6x27)  |
| 14       | 22 259 V          | RETAINER, felt (803-J)   |
| 15       | 127 315 HX        | TUBE (42-3691)   |
| 16       | 322 441 R1        | ADAPTER, yoke splined (17760-J)<br>3/8NF x 1" hex-hd cap SCREW (4)<br>3/8" lock WASHER (4) |
|          | 37 330 H          | CAP, dust (3537-J)   |

NUMERICAL INDEX

NUMERICAL INDEX

| PART NUMBER | PAGE | PART NUMBER | PAGE | PART NUMBER | PAGE | PART NUMBER | PAGE |
|-------------|------|-------------|------|-------------|------|-------------|------|
| <b>No.</b>  |      | 1 858 75.   | 54   | 1 924 764   | 55   | 1 946 394   | 59   |
|             |      | 1 864 099   | 52   | 1 926 617   | 58   | 1 946 395   | 59   |
|             |      | 1 864 099   | 55   | 1 926 618   | 58   | 1 946 555   | 58   |
|             |      | 1 864 099   | 62   | 1 927 033   | 57   | 1 947 695   | 59   |
|             |      | 1 872 678   | 57   | 1 928 021   | 57   | 1 949 806   | 58   |
| 114         | 134  | 1 872 678   | 59   | 1 928 021   | 59   | 1 949 807   | 58   |
| 116         | 134  | 1 874 495   | 55   | 1 928 022   | 57   | 1 950 061   | 57   |
| 118         | 134  | 1 878 183   | 54   | 1 928 022   | 59   | 1 950 061   | 59   |
| 120         | 134  | 1 878 184   | 54   | 1 929 959   | 54   | 1 950 064   | 57   |
| 122         | 134  | 1 878 467   | 55   | 1 930 694   | 58   | 1 950 064   | 59   |
| 124         | 134  | 1 878 493   | 55   | 1 931 771   | 56   | 1 950 069   | 57   |
| 126         | 134  | 1 878 502   | 55   | 1 931 773   | 56   | 1 950 069   | 59   |
| 128         | 134  | 1 878 503   | 55   | 1 931 776   | 57   | 1 950 071   | 57   |
| 130         | 134  | 1 878 504   | 55   | 1 931 777   | 56   | 1 950 071   | 59   |
| 132         | 134  | 1 878 505   | 55   | 1 931 783   | 57   | 1 951 180   | 58   |
| 134         | 134  | 1 878 507   | 55   | 1 931 783   | 59   | 1 952 563   | 57   |
| 136         | 134  | 1 878 516   | 55   | 1 931 807   | 57   | 1 952 563   | 59   |
| 138         | 134  | 1 879 530   | 54   | 1 931 886   | 55   | 1 956 427   | 57   |
| 140         | 134  | 1 879 663   | 55   | 1 931 887   | 55   | 1 956 427   | 59   |
| 195         | 134  | 1 880 781   | 54   | 1 932 354   | 59   | 1 956 428   | 57   |
| 719         | 134  | 1 881 409   | 54   | 1 933 242   | 55   | 1 956 428   | 59   |
| 719         | 135  | 1 882 012   | 62   | 1 933 747   | 56   | 1 957 650   | 57   |
| 861         | 134  | 1 882 013   | 62   | 1 933 879   | 56   | 1 957 650   | 59   |
| 34 816      | 54   | 1 882 994   | 62   | 1 933 999   | 59   | 1 961 316   | 57   |
| 37 535      | 59   | 1 883 864   | 54   | 1 934 477   | 57   | 1 961 316   | 59   |
| 42 761      | 54   | 1 883 865   | 59   | 1 934 478   | 57   | 1 961 333   | 57   |
| 805 258     | 56   | 1 885 090   | 54   | 1 934 478   | 59   | 1 961 333   | 59   |
| 805 258     | 59   | 1 889 664   | 56   | 1 934 484   | 57   | 1 994 050   | 62   |
| 805 790     | 56   | 1 902 746   | 54   | 1 934 499   | 56   | 1 996 080   | 63   |
| 805 790     | 57   | 1 903 896   | 63   | 1 934 547   | 54   | 9 402 684   | 124  |
| 805 790     | 59   | 1 904 370   | 54   | 1 934 550   | 54   | 9 402 685   | 121  |
| 806 915     | 54   | 1 904 376   | 55   | 1 934 553   | 54   | 9 402 685   | 122  |
| 809 062     | 54   | 1 904 377   | 54   | 1 934 554   | 54   | 9 402 685   | 124  |
| 809 062     | 57   | 1 904 377   | 55   | 1 935 250   | 57   | 9 402 685   | 125  |
| 809 593     | 57   | 1 904 419   | 57   | 1 935 255   | 57   | 9 402 801   | 125  |
| 809 593     | 59   | 1 904 419   | 59   | 1 935 255   | 59   | 9 402 840   | 124  |
| 809 763     | 54   | 1 904 436   | 59   | 1 935 256   | 57   | 9 402 841   | 125  |
| 809 945     | 54   | 1 904 443   | 59   | 1 935 256   | 59   | 9 410 363   | 155  |
| 812 015     | 57   | 1 904 661   | 54   | 1 935 273   | 57   | 9 411 375   | 59   |
| 812 016     | 57   | 1 906 958   | 56   | 1 935 316   | 56   | 9 415 234   | 59   |
| 813 109     | 57   | 1 906 965   | 54   | 1 935 645   | 57   | 9 415 665   | 50   |
| 815 540     | 57   | 1 906 987   | 58   | 1 935 645   | 59   |             |      |
| 815 540     | 59   | 1 909 560   | 57   | 1 935 923   | 54   |             |      |
| 817 313     | 57   | 1 909 654   | 59   | 1 936 465   | 59   |             |      |
| 817 314     | 57   | 1 910 174   | 55   | 1 937 219   | 54   |             |      |
| 821 453     | 57   | 1 911 028   | 55   | 1 937 227   | 54   |             |      |
| 821 453     | 59   | 1 911 033   | 55   | 1 937 381   | 57   |             |      |
| 833 602     | 59   | 1 911 034   | 55   | 1 937 381   | 59   | 712 A       | 134  |
| 900 529     | 54   | 1 911 196   | 57   | 1 938 058   | 59   | 712 A       | 135  |
| 954 554     | 54   | 1 911 232   | 57   | 1 938 207   | 54   |             |      |
| 1 018 004   | 54   | 1 912 159   | 55   | 1 938 209   | 54   |             |      |
| 1 105 102   | 54   | 1 912 176   | 55   | 1 938 376   | 59   |             |      |
| 1 105 111   | 54   | 1 913 534   | 57   | 1 940 134   | 57   |             |      |
| 1 113 345   | 56   | 1 913 534   | 59   | 1 940 135   | 57   |             |      |
| 1 113 367   | 58   | 1 913 688   | 54   | 1 942 241   | 58   |             |      |
| 1 115 501   | 56   | 1 913 689   | 54   | 1 942 245   | 58   |             |      |
| 1 115 501   | 59   | 1 913 828   | 63   | 1 942 250   | 59   |             |      |
| 1 116 513   | 52   | 1 914 549   | 63   | 1 942 253   | 59   |             |      |
| 1 119 152   | 55   | 1 915 334   | 57   | 1 942 255   | 59   |             |      |
| 1 119 181   | 55   | 1 915 334   | 59   | 1 942 256   | 59   |             |      |
| 1 842 770   | 52   | 1 915 668   | 57   | 1 942 257   | 59   |             |      |
| 1 843 646   | 57   | 1 915 897   | 57   | 1 942 259   | 59   |             |      |
| 1 843 646   | 59   | 1 916 529   | 57   | 1 942 260   | 58   |             |      |
| 1 847 199   | 57   | 1 916 529   | 59   | 1 942 282   | 59   |             |      |
| 1 853 305   | 57   | 1 922 408   | 55   | 1 942 957   | 59   |             |      |
| 1 853 342   | 57   | 1 922 599   | 55   | 1 943 628   | 59   |             |      |
| 1 853 342   | 59   | 1 922 876   | 57   | 1 945 250   | 57   |             |      |
| 1 855 936   | 63   | 1 923 400   | 52   | 1 945 296   | 57   |             |      |
| 1 855 978   | 52   | 1 923 405   | 52   | 1 945 297   | 57   |             |      |
| 1 857 268   | 56   | 1 923 472   | 54   | 1 945 620   | 58   |             |      |
| 1 857 268   | 57   | 1 923 473   | 54   | 1 945 626   | 58   |             |      |
| 1 857 268   | 59   | 1 923 935   | 57   | 1 945 923   | 58   |             |      |
| 1 857 412   | 54   | 1 923 935   | 59   | 1 946 386   | 58   |             |      |
|             |      |             |      |             |      | <b>A</b>    |      |
|             |      |             |      |             |      |             |      |
|             |      |             |      |             |      | <b>B</b>    |      |
|             |      |             |      |             |      | BP 32       | 134  |
|             |      |             |      |             |      | BP 32       | 135  |
|             |      |             |      |             |      | B 1 416     | 134  |
|             |      |             |      |             |      | B 1 820     | 134  |
|             |      |             |      |             |      | B 2 024     | 134  |
|             |      |             |      |             |      | B 2 628     | 134  |
|             |      |             |      |             |      | B 3 032     | 134  |
|             |      |             |      |             |      | 700 B       | 134  |
|             |      |             |      |             |      | 700 B       | 135  |
|             |      |             |      |             |      | <b>C</b>    |      |
|             |      |             |      |             |      | CC 24       | 134  |
|             |      |             |      |             |      | CC 24       | 135  |
|             |      |             |      |             |      | 268.996 C1  | 103  |



NUMERICAL INDEX



NUMERICAL INDEX

| PART NUMBER | PAGE | PART NUMBER | PAGE | PART NUMBER | PAGE | PART NUMBER | PAGE |
|-------------|------|-------------|------|-------------|------|-------------|------|
| <b>D</b>    |      |             |      |             |      |             |      |
| DA 12       | 134  | 23 261 D    | 105  | 40 883 DC   | 75   | 45 559 D    | 120  |
| DA 12       | 135  | 23 370 D    | 70   | 40 888 D    | 117  | 45 560 D    | 120  |
| D 1 612     | 134  | 23 977 DB   | 31   | 41 442 DA   | 88   | 45 561 D    | 120  |
| D 2 616     | 119  | 23 995 DC   | 31   | 41 442 DA   | 103  | 45 562 D    | 119  |
| 4 819 D     | 12   | 24 943 DA   | 16   | 41 519 D    | 71   | 45 619 D    | 120  |
| 4 926 DBX   | 83   | 25 086 DA   | 13   | 41 597 DA   | 77   | 45 620 D    | 120  |
| 5 051 DX    | 23   | 25 948 D    | 23   | 41 598 D    | 83   | 45 794 D    | 73   |
| 5 711 DC    | 75   | 25 969 DB   | 23   | 41 599 D    | 83   | 45 976 D    | 14   |
| 5 715 D     | 75   | 27 435 D    | 23   | 41 608 D    | 97   | 45 977 D    | 14   |
| 5 813 DC    | 70   | 27 452 D    | 23   | 41 619 D    | 98   | 46 129 D    | 13   |
| 5 975 DA    | 23   | 28 230 D    | 97   | 41 633 D    | 11   | 46 136 D    | 14   |
| 5 977 DA    | 17   | 28 781 D    | 48   | 41 634 D    | 17   | 46 137 D    | 14   |
| 5 980 D     | 88   | 28 781 D    | 146  | 41 634 D    | 19   | 46 137 D    | 146  |
| 6 263 D     | 120  | 28 940 DA   | 12   | 41 842 D    | 98   | 46 190 DC   | 135  |
| 6 264 D     | 120  | 29 091 D    | 121  | 41 842 D    | 100  | 46 200 D    | 10   |
| 6 266 D     | 119  | 29 547 D    | 116  | 41 957 D    | 83   | 46 208 D    | 10   |
| 6 268 D     | 120  | 29 898 D    | 30   | 42 177 D    | 75   | 46 209 D    | 10   |
| 6 269 DCX   | 119  | 29 898 D    | 76   | 42 288 D    | 83   | 46 211 D    | 10   |
| 6 270 DX    | 119  | 29 901 D    | 30   | 42 289 D    | 83   | 46 223 DBX  | 10   |
| 6 276 D     | 120  | 29 901 D    | 76   | 42 289 D    | 120  | 46 224 DBX  | 10   |
| 6 277 D     | 120  | 29 901 D    | 124  | 42 298 DB   | 77   | 46 225 DA   | 10   |
| 6 608 DR    | 10   | 29 902 DX   | 23   | 42 385 D    | 32   | 46 250 D    | 13   |
| 6 873 DA    | 105  | 30 402 D    | 30   | 42 547 D    | 82   | 46 337 D    | 98   |
| 6 878 DA    | 103  | 31 115 D    | 99   | 42 739 DA   | 10   | 46 583 DA   | 146  |
| 6 894 DB    | 100  | 31 121 D    | 24   | 42 739 DA   | 19   | 46 584 D    | 30   |
| 6 973 DB    | 75   | 31 238 DA   | 78   | 42 739 DA   | 21   | 46 887 D    | 102  |
| 6 984 DB    | 98   | 31 636 D    | 23   | 42 752 D    | 45   | 47 530 D    | 42   |
| 8 046 DA    | 120  | 31 729 D    | 12   | 42 769 D    | 23   | 47 530 D    | 43   |
| 8 104 D     | 10   | 31 729 D    | 35   | 42 769 D    | 146  | 47 640 DR   | 15   |
| 8 107 D     | 88   | 31 729 D    | 37   | 42 789 D    | 47   | 47 933 DXA  | 13   |
| 8 110 D     | 10   | 31 729 D    | 38   | 42 789 D    | 146  | 47 981 DA   | 13   |
| 8 146 DB    | 30   | 32 047 DB   | 67   | 42 844 D    | 23   | 48 053 DE   | 10   |
| 8 352 DC    | 75   | 32 445 D    | 10   | 42 863 DA   | 23   | 48 057 D    | 10   |
| 8 431 D     | 97   | 32 454 D    | 76   | 42 877 DB   | 17   | 48 142 D    | 13   |
| 8 432 D     | 98   | 32 574 DAX  | 23   | 42 877 DB   | 162  | 48 143 DC   | 13   |
| 8 435 DA    | 98   | 32 576 DX   | 23   | 42 902 D    | 88   | 48 143 DC   | 146  |
| 8 519 DA    | 75   | 32 577 D    | 23   | 42 902 D    | 149  | 48 155 D    | 18   |
| 8 617 DAX   | 21   | 32 578 D    | 23   | 42 902 D    | 152  | 48 155 D    | 25   |
| 8 680 DX    | 75   | 32 581 DXB  | 23   | 42 902 D    | 155  | 48 918 DA   | 35   |
| 8 682 D     | 75   | 32 582 D    | 23   | 42 902 D    | 156  | 48 918 DA   | 37   |
| 8 732 D     | 52   | 32 585 DA   | 23   | 42 902 D    | 162  | 49 105 D    | 119  |
| 8 744 DR    | 10   | 32 586 D    | 23   | 42 902 D    | 163  | 49 541 DA   | 119  |
| 8 784 DC    | 99   | 32 587 D    | 23   | 43 194 D    | 78   | 49 733 DAX  | 101  |
| 9 258 DCX   | 14   | 32 588 D    | 23   | 43 195 D    | 78   | 49 734 D    | 105  |
| 9 390 DX    | 23   | 32 590 D    | 23   | 43 199 D    | 78   | 49 759 DA   | 105  |
| 9 477 DA    | 97   | 32 597 D    | 23   | 43 207 D    | 78   | 49 759 DA   | 112  |
| 9 534 DA    | 135  | 32 599 D    | 23   | 43 664 DC   | 71   | 49 801 D    | 97   |
| 9 783 DA    | 115  | 32 600 D    | 23   | 45 003 D    | 127  | 49 802 D    | 98   |
| 10 961 D    | 47   | 32 601 D    | 23   | 45 286 D    | 47   | 49 835 D    | 100  |
| 11 373 D    | 116  | 32 602 DAX  | 23   | 45 293 D    | 97   | 49 836 D    | 100  |
| 13 722 D    | 119  | 32 606 DB   | 23   | 45 391 D    | 20   | 49 837 D    | 100  |
| 13 839 D    | 146  | 32 607 DB   | 23   | 45 531 D    | 119  | 49 838 D    | 100  |
| 13 841 D    | 146  | 32 608 D    | 23   | 45 532 DA   | 120  | 49 839 D    | 100  |
| 14 581 D    | 23   | 32 609 U    | 23   | 45 534 D    | 120  | 49 840 D    | 100  |
| 14 971 D    | 23   | 32 610 U    | 23   | 45 535 D    | 119  | 49 841 D    | 100  |
| 16 045 D    | 10   | 32 615 D    | 23   | 45 536 D    | 119  | 49 879 DB   | 97   |
| 16 067 DA   | 10   | 32 975 D    | 23   | 45 537 D    | 120  | 49 882 D    | 98   |
| 16 445 D    | 81   | 35 048 DX   | 23   | 45 538 DX   | 120  | 49 923 U    | 31   |
| 17 700 D    | 116  | 35 089 UA   | 119  | 45 541 D    | 120  | 49 947 D    | 31   |
| 18 100 D    | 105  | 35 089 DA   | 120  | 45 542 D    | 120  | 49 950 D    | 10   |
| 18 377 D    | 23   | 35 252 D    | 75   | 45 543 D    | 120  | 49 952 D    | 14   |
| 18 585 DA   | 83   | 35 691 DA   | 23   | 45 544 D    | 119  | 49 984 D    | 87   |
| 18 585 DA   | 118  | 36 092 D    | 26   | 45 545 D    | 119  | 49 986 D    | 87   |
| 19 707 D    | 116  | 36 637 D    | 26   | 45 546 D    | 119  | 49 987 D    | 87   |
| 20 586 D    | 20   | 37 006 D    | 23   | 45 547 D    | 120  | 50 025 D    | 117  |
| 20 586 D    | 21   | 37 148 D    | 24   | 45 548 D    | 119  | 50 061 D    | 31   |
| 20 841 D    | 70   | 37 323 D    | 10   | 45 550 D    | 119  | 50 096 DA   | 75   |
| 21 394 D    | 52   | 37 323 D    | 29   | 45 551 D    | 120  | 50 315 DB   | 16   |
| 21 585 D    | 75   | 37 323 D    | 32   | 45 552 D    | 120  | 50 336 DA   | 47   |
| 21 990 D    | 83   | 37 788 DM   | 14   | 45 553 D    | 119  | 50 408 D    | 49   |
| 22 507 D    | 30   | 38 026 DM   | 95   | 45 555 D    | 120  | 50 410 DA   | 14   |
|             |      | 39 584 D    | 95   | 45 558 DA   | 120  | 50 410 DA   | 30   |
|             |      | 40 882 D    | 75   | 45 559 D    | 119  | 50 411 D    | 12   |



NUMERICAL INDEX

NUMERICAL INDEX

| PART NUMBER | PAGE | PART NUMBER | PAGE | PART NUMBER | PAGE | PART NUMBER | PAGE |
|-------------|------|-------------|------|-------------|------|-------------|------|
| 250 450 R1  | 10   | 252 022 R2  | 14   | 253 664 R1  | 49   | 259 603 R91 | 37   |
| 250 451 R1  | 18   | 252 022 R2  | 146  | 253 665 R1  | 49   | 259 603 R91 | 39   |
| 250 451 R1  | 20   | 252 023 R1  | 14   | 253 738 R91 | 68   | 260 071 R2  | 16   |
| 250 535 R1  | 10   | 252 024 R21 | 14   | 253 848 R1  | 85   | 260 072 R1  | 16   |
| 250 544 R1  | 20   | 252 029 R3  | 12   | 253 849 R1  | 86   | 260 080 R94 | 16   |
| 250 546 R1  | 19   | 252 029 R3  | 146  | 253 966 R51 | 97   | 260 234 R2  | 48   |
| 250 547 R1  | 19   | 252 032 R3  | 13   | 253 977 R1  | 146  | 260 253 R91 | 174  |
| 250 548 R1  | 19   | 252 032 R3  | 146  | 254 091 R1  | 179  | 260 253 R91 | 175  |
| 250 550 R1  | 19   | 252 033 R1  | 13   | 254 091 R1  | 183  | 260 304 R1  | 30   |
| 250 582 R1  | 10   | 252 034 R1  | 13   | 254 267 R1  | 13   | 260 489 R1  | 30   |
| 250 583 R1  | 10   | 252 034 R1  | 146  | 254 379 R2  | 146  | 260 497 R91 | 30   |
| 250 608 R1  | 24   | 252 036 R3  | 47   | 254 453 R21 | 47   | 260 618 R1  | 75   |
| 250 610 R2  | 29   | 252 036 R3  | 146  | 254 461 R1  | 29   | 260 623 R1  | 30   |
| 250 612 R91 | 23   | 252 037 R92 | 13   | 254 462 R1  | 29   | 260 698 R21 | 33   |
| 250 617 R1  | 29   | 252 039 R2  | 13   | 254 463 R2  | 29   | 260 699 R1  | 33   |
| 250 683 R1  | 14   | 252 039 R2  | 146  | 254 464 R1  | 29   | 260 700 R1  | 33   |
| 250 754 R1  | 16   | 252 041 R2  | 13   | 254 465 R1  | 29   | 260 701 R2  | 33   |
| 250 767 R3  | 146  | 252 045 R1  | 146  | 254 466 R1  | 29   | 260 705 R1  | 33   |
| 250 787 R2  | 21   | 252 172 R11 | 93   | 254 487 R1  | 177  | 260 706 R91 | 33   |
| 250 792 R11 | 21   | 252 374 R1  | 32   | 254 693 R1  | 118  | 260 707 R1  | 33   |
| 250 793 R1  | 21   | 252 374 R1  | 81   | 254 954 R1  | 51   | 260 708 R2  | 33   |
| 250 794 R1  | 21   | 252 482 R1  | 99   | 255 088 R1  | 179  | 260 708 R2  | 146  |
| 250 796 R11 | 21   | 252 482 R1  | 158  | 255 630 R1  | 14   | 260 709 R1  | 33   |
| 250 798 R1  | 21   | 252 482 R1  | 179  | 255 828 R1  | 81   | 260 710 R2  | 33   |
| 250 799 R1  | 21   | 252 482 R1  | 182  | 255 835 R91 | 114  | 260 712 R91 | 33   |
| 250 885 R1  | 12   | 252 483 R1  | 51   | 255 836 R91 | 114  | 260 766 R21 | 47   |
| 250 885 R11 | 12   | 252 571 R81 | 10   | 255 837 R91 | 114  | 260 839 R1  | 33   |
| 250 886 R2  | 12   | 252 572 R81 | 11   | 255 838 R91 | 114  | 260 839 R1  | 146  |
| 250 886 R2  | 146  | 252 575 R1  | 11   | 255 840 R92 | 114  | 260 896 R4  | 98   |
| 250 887 R1  | 14   | 252 589 R1  | 10   | 255 880 R91 | 114  | 260 897 R4  | 98   |
| 250 900 R1  | 13   | 252 593 R6  | 10   | 255 881 R91 | 114  | 260 943 R2  | 10   |
| 250 901 R1  | 13   | 252 595 R1  | 10   | 256 109 R94 | 16   | 261 017 R94 | 20   |
| 251 042 R4  | 24   | 252 597 R1  | 10   | 256 112 R94 | 16   | 261 035 R1  | 48   |
| 251 044 R2  | 24   | 252 598 R1  | 10   | 256 785 R3  | 75   | 261 120 R91 | 13   |
| 251 050 R2  | 30   | 252 602 R1  | 10   | 256 790 R1  | 75   | 261 192 R91 | 33   |
| 251 064 R1  | 10   | 252 604 R1  | 10   | 256 918 R1  | 116  | 261 193 R91 | 33   |
| 251 134 R24 | 45   | 252 606 R21 | 10   | 256 919 R1  | 116  | 261 202 R1  | 127  |
| 251 226 R1  | 10   | 252 607 R21 | 10   | 257 211 R1  | 45   | 261 291 R1  | 98   |
| 251 227 R91 | 10   | 252 609 R1  | 10   | 257 211 R1  | 46   | 261 292 R1  | 98   |
| 251 319 R1  | 75   | 252 611 R11 | 10   | 257 212 R1  | 45   | 261 317 R2  | 12   |
| 251 388 R21 | 75   | 252 616 R2  | 19   | 257 213 R1  | 45   | 261 317 R2  | 13   |
| 251 538 R1  | 51   | 252 617 R2  | 19   | 257 214 R1  | 45   | 261 342 R91 | 11   |
| 251 553 R1  | 51   | 252 618 R1  | 19   | 257 214 R1  | 146  | 261 342 R91 | 146  |
| 251 553 R1  | 53   | 252 621 R1  | 10   | 257 215 R91 | 45   | 261 443 R2  | 162  |
| 251 644 R11 | 23   | 252 623 R11 | 19   | 257 329 R94 | 103  | 261 535 R1  | 33   |
| 251 650 R11 | 23   | 252 625 R1  | 19   | 257 523 R1  | 81   | 261 535 R1  | 146  |
| 251 652 R91 | 23   | 252 626 R1  | 19   | 257 729 R92 | 114  | 261 611 R1  | 48   |
| 251 669 R3  | 14   | 252 627 R1  | 10   | 257 730 R92 | 114  | 261 613 R1  | 48   |
| 251 674 R12 | 16   | 252 628 R1  | 10   | 257 731 R92 | 114  | 261 614 R11 | 48   |
| 251 683 R3  | 16   | 252 628 R1  | 95   | 257 732 R92 | 114  | 261 628 R1  | 48   |
| 251 684 R31 | 16   | 252 655 R1  | 14   | 258 046 R1  | 30   | 261 629 R1  | 48   |
| 251 685 R31 | 16   | 252 656 R1  | 21   | 258 047 R1  | 30   | 261 629 R1  | 146  |
| 251 717 R2  | 45   | 252 657 R92 | 21   | 258 333 R1  | 125  | 261 630 R1  | 48   |
| 251 717 R2  | 146  | 252 659 R11 | 21   | 258 417 R2  | 47   | 261 647 R1  | 110  |
| 251 719 R2  | 45   | 252 660 R1  | 21   | 258 424 R1  | 11   | 261 650 R1  | 21   |
| 251 719 R2  | 146  | 252 661 R1  | 21   | 258 511 R91 | 14   | 261 650 R1  | 80   |
| 251 727 R2  | 44   | 252 662 R91 | 21   | 258 557 R1  | 14   | 261 830 R12 | 48   |
| 251 842 R1  | 80   | 252 663 R11 | 21   | 258 575 R91 | 119  | 261 833 R11 | 48   |
| 251 846 R1  | 80   | 252 664 R1  | 23   | 258 575 R91 | 120  | 261 835 R1  | 48   |
| 251 957 R1  | 103  | 252 690 R2  | 146  | 258 612 R41 | 47   | 261 835 R1  | 146  |
| 251 959 R1  | 103  | 252 728 R1  | 159  | 258 634 R93 | 81   | 261 836 R1  | 48   |
| 251 962 R1  | 103  | 252 738 R1  | 137  | 258 860 R93 | 129  | 261 836 R1  | 146  |
| 251 963 R1  | 103  | 252 739 R1  | 52   | 258 898 R41 | 16   | 261 957 R95 | 48   |
| 251 964 R1  | 103  | 252 846 R2  | 125  | 258 901 R41 | 16   | 261 958 R11 | 48   |
| 251 965 R1  | 103  | 253 070 R1  | 182  | 259 099 R1  | 179  | 261 959 R1  | 48   |
| 252 005 R1  | 14   | 253 172 R1  | 167  | 259 184 R1  | 14   | 261 959 R1  | 146  |
| 252 007 R1  | 14   | 253 172 R1  | 169  | 259 190 R1  | 179  | 262 019 R1  | 45   |
| 252 009 R1  | 14   | 253 172 R1  | 171  | 259 403 R91 | 31   | 262 029 R1  | 30   |
| 252 011 R2  | 14   | 253 584 R1  | 148  | 259 433 R2  | 14   | 262 038 R1  | 30   |
| 252 012 R1  | 13   | 253 584 R1  | 162  | 259 598 R2  | 37   | 262 119 R1  | 30   |
| 252 018 R1  | 14   | 253 584 R1  | 163  | 259 598 R2  | 39   | 262 532 R92 | 136  |
| 252 020 R2  | 13   | 253 660 R1  | 49   | 259 599 R91 | 37   | 262 536 R11 | 10   |
| 252 021 R1  | 13   | 253 660 R1  | 50   | 259 599 R91 | 39   | 262 537 R1  | 10   |

NUMERICAL INDEX

| PART NUMBER | PAGE | PART NUMBER | PAGE |
|-------------|------|-------------|------|
| 262 568 R92 | 21   | 264 372 R91 | 119  |
| 262 569 R11 | 21   | 264 377 R1  | 14   |
| 262 579 R11 | 21   | 264 389 R91 | 48   |
| 262 603 R11 | 37   | 264 530 R91 | 10   |
| 262 603 R11 | 39   | 264 534 R91 | 14   |
| 262 607 R1  | 21   | 264 674 R91 | 62   |
| 262 608 R1  | 19   | 264 679 R1  | 78   |
| 262 704 R1  | 80   | 264 694 R91 | 75   |
| 263 059 R1  | 47   | 264 718 R1  | 29   |
| 263 134 R21 | 16   | 264 723 R1  | 14   |
| 263 137 R91 | 16   | 264 967 R93 | 45   |
| 263 138 R21 | 16   | 264 968 R93 | 45   |
| 263 178 R1  | 29   | 265 126 R91 | 53   |
| 263 179 R1  | 29   | 265 224 R1  | 103  |
| 263 191 R2  | 16   | 265 229 R1  | 103  |
| 263 308 R91 | 20   | 265 230 R2  | 103  |
| 263 308 R91 | 53   | 265 231 R1  | 103  |
| 263 308 R91 | 68   | 265 234 R1  | 103  |
| 263 313 R1  | 53   | 265 235 R1  | 103  |
| 263 314 R1  | 53   | 265 457 R1  | 140  |
| 263 318 R1  | 19   | 265 458 R1  | 140  |
| 263 325 R2  | 20   | 265 459 R1  | 140  |
| 263 326 R1  | 20   | 265 460 R1  | 140  |
| 263 327 R1  | 19   | 265 461 R1  | 140  |
| 263 328 R1  | 19   | 265 47 R92  | 184  |
| 263 329 R1  | 20   | 265 473 R1  | 184  |
| 263 330 R1  | 19   | 265 477 R1  | 184  |
| 263 508 R2  | 48   | 265 542 R11 | 48   |
| 263 514 R91 | 42   | 265 543 R1  | 48   |
| 263 514 R91 | 43   | 265 544 R1  | 48   |
| 263 514 R91 | 68   | 265 874 R1  | 62   |
| 263 696 R1  | 83   | 265 890 R1  | 99   |
| 263 717 R91 | 67   | 265 904 R91 | 68   |
| 263 717 R91 | 68   | 265 906 R91 | 51   |
| 263 717 R91 | 69   | 265 906 R91 | 53   |
| 263 945 R1  | 99   | 265 906 R91 | 68   |
| 263 945 R1  | 105  | 265 913 R91 | 19   |
| 263 945 R1  | 112  | 265 925 R1  | 51   |
| 263 955 R1  | 105  | 265 926 R91 | 14   |
| 263 955 R1  | 112  | 266 088 R2  | 105  |
| 263 956 R1  | 105  | 266 089 R1  | 105  |
| 263 956 R1  | 112  | 266 097 R91 | 53   |
| 263 957 R1  | 105  | 266 097 R92 | 51   |
| 263 957 R1  | 112  | 266 097 R92 | 53   |
| 263 958 R1  | 105  | 266 168 R1  | 98   |
| 263 958 R1  | 112  | 266 174 R1  | 100  |
| 263 959 R2  | 105  | 266 175 R1  | 100  |
| 263 959 R2  | 112  | 266 178 R1  | 101  |
| 263 960 R1  | 105  | 266 179 R1  | 103  |
| 263 960 R1  | 112  | 266 245 R2  | 103  |
| 263 961 R1  | 105  | 266 265 R3  | 130  |
| 263 966 R91 | 106  | 266 337 R91 | 31   |
| 264 045 R1  | 15   | 266 337 R91 | 149  |
| 264 046 R1  | 15   | 266 337 R91 | 154  |
| 264 055 R2  | 80   | 266 337 R91 | 156  |
| 264 055 R2  | 116  | 266 337 R91 | 157  |
| 264 057 R1  | 11   | 266 337 R91 | 162  |
| 264 097 R2  | 72   | 266 337 R91 | 163  |
| 264 097 R2  | 80   | 266 396 R91 | 77   |
| 264 097 R2  | 120  | 266 757 R91 | 67   |
| 264 139 R1  | 48   | 266 760 R91 | 69   |
| 264 164 R91 | 60   | 266 855 R91 | 68   |
| 264 164 R91 | 68   | 266 865 R1  | 34   |
| 264 166 R1  | 19   | 267 195 R91 | 103  |
| 264 171 R1  | 20   | 267 634 R2  | 45   |
| 264 171 R12 | 19   | 267 637 R41 | 12   |
| 264 171 R12 | 68   | 267 665 R91 | 78   |
| 264 196 R91 | 68   | 267 679 R91 | 78   |
| 264 235 R1  | 19   | 267 680 R91 | 78   |
| 264 266 R1  | 98   | 267 683 R1  | 79   |
| 264 267 R1  | 98   | 267 689 R91 | 78   |
| 264 270 R1  | 98   | 267 700 R1  | 48   |
|             |      | 267 787 R91 | 49   |

NUMERICAL INDEX

| PART NUMBER | PAGE | PART NUMBER | PAGE |
|-------------|------|-------------|------|
| 267 787 R91 | 69   | 270 981 R1  | 32   |
| 267 788 R91 | 39   | 271 066 R91 | 62   |
| 267 788 R91 | 148  | 271 077 R91 | 63   |
| 267 808 R1  | 48   | 271 077 R91 | 67   |
| 267 808 R11 | 48   | 271 077 R91 | 81   |
| 267 809 R1  | 48   | 271 080 R1  | 69   |
| 267 810 R1  | 48   | 271 110 R1  | 182  |
| 267 811 R91 | 62   | 271 120 R91 | 99   |
| 267 933 R91 | 53   | 271 121 R11 | 99   |
| 267 934 R91 | 53   | 271 122 R11 | 99   |
| 267 935 R91 | 53   | 271 305 R2  | 102  |
| 267 939 R92 | 19   | 271 406 R91 | 135  |
| 267 948 R91 | 19   | 271 407 R91 | 135  |
| 268 090 R2  | 102  | 271 587 R91 | 63   |
| 268 091 R2  | 103  | 271 597 R91 | 10   |
| 268 166 R1  | 24   | 271 647 R1  | 105  |
| 268 197 R98 | 101  | 271 647 R1  | 167  |
| 268 198 R98 | 101  | 271 700 R1  | 13   |
| 268 250 R1  | 107  | 271 701 R1  | 14   |
| 268 250 R1  | 108  | 271 702 R1  | 13   |
| 268 251 R91 | 107  | 271 702 R1  | 146  |
| 268 306 R1  | 109  | 271 703 R92 | 13   |
| 268 345 R1  | 47   | 271 740 R1  | 24   |
| 268 346 R1  | 47   | 271 743 R1  | 24   |
| 268 347 R1  | 47   | 271 744 R1  | 24   |
| 268 403 R1  | 14   | 271 812 R1  | 76   |
| 268 443 R1  | 14   | 271 831 R1  | 118  |
| 268 500 R91 | 119  | 271 841 R91 | 76   |
| 268 770 R2  | 13   | 271 842 R1  | 76   |
| 268 770 R2  | 146  | 271 848 R1  | 11   |
| 268 914 R2  | 98   | 271 848 R1  | 99   |
| 268 915 R2  | 101  | 271 878 R1  | 76   |
| 268 916 R2  | 101  | 271 879 R1  | 76   |
| 268 996 R1  | 110  | 271 881 R1  | 75   |
| 269 164 R1  | 71   | 271 884 R91 | 118  |
| 269 177 R1  | 71   | 271 885 R2  | 118  |
| 269 178 R1  | 71   | 271 886 R1  | 118  |
| 269 179 R1  | 71   | 271 889 R2  | 118  |
| 269 182 R1  | 71   | 271 891 R1  | 118  |
| 269 183 R1  | 71   | 271 892 R1  | 118  |
| 269 186 R3  | 71   | 271 893 R1  | 118  |
| 269 192 R1  | 71   | 271 894 R1  | 118  |
| 269 206 R1  | 83   | 271 904 R1  | 17   |
| 269 215 R91 | 71   | 272 061 R91 | 65   |
| 269 218 R91 | 71   | 272 061 R91 | 66   |
| 269 224 R91 | 71   | 272 101 R91 | 21   |
| 269 225 R91 | 70   | 272 123 R11 | 77   |
| 269 226 R91 | 71   | 272 124 R1  | 77   |
| 269 227 R2  | 71   | 272 130 R1  | 20   |
| 269 228 R2  | 71   | 272 137 R2  | 103  |
| 269 229 R11 | 71   | 272 137 R2  | 112  |
| 269 235 R1  | 83   | 272 141 R1  | 120  |
| 269 236 R1  | 83   | 272 142 R1  | 120  |
| 269 467 R92 | 68   | 272 144 R1  | 120  |
| 269 467 R92 | 81   | 272 145 R91 | 103  |
| 269 523 R1  | 28   | 272 152 R91 | 91   |
| 269 524 R1  | 28   | 272 157 R11 | 70   |
| 269 525 R1  | 28   | 272 167 R1  | 70   |
| 269 630 R91 | 28   | 272 171 R21 | 70   |
| 269 632 R91 | 28   | 272 174 R11 | 70   |
| 269 633 R91 | 28   | 272 176 R1  | 70   |
| 269 634 R91 | 28   | 272 177 R91 | 70   |
| 269 635 R91 | 28   | 272 178 R91 | 70   |
| 269 636 R91 | 28   | 272 182 R1  | 70   |
| 269 733 R1  | 132  | 272 185 R11 | 64   |
| 269 908 R1  | 116  | 272 192 R1  | 64   |
| 269 909 R2  | 118  | 272 236 R11 | 154  |
| 269 910 R1  | 118  | 272 236 R21 | 94   |
| 269 976 R91 | 81   | 272 239 R92 | 93   |
| 270 168 R91 | 148  | 272 239 R92 | 148  |
| 270 172 R91 | 162  | 272 240 R11 | 148  |
| 270 172 R91 | 163  | 272 245 R1  | 32   |
| 270 697 R2  | 30   | 272 248 R3  | 73   |



NUMERICAL INDEX

| PART NUMBER | PAGE | PART NUMBER | PAGE |
|-------------|------|-------------|------|
| 272 248 R4  | 73   | 273 101 R1  | 94   |
| 272 248 R4  | 116  | 273 102 R1  | 94   |
| 272 256 R21 | 128  | 273 103 R1  | 94   |
| 272 259 R1  | 128  | 273 162 R92 | 148  |
| 272 272 R1  | 128  | 273 162 R92 | 154  |
| 272 301 R1  | 73   | 273 162 R92 | 155  |
| 272 301 R1  | 116  | 273 162 R92 | 157  |
| 272 310 R1  | 115  | 273 165 R93 | 10   |
| 272 311 R11 | 115  | 273 172 R91 | 78   |
| 272 321 R1  | 72   | 273 290 R91 | 42   |
| 272 322 R1  | 75   | 273 294 R91 | 45   |
| 272 325 R11 | 93   | 273 405 R1  | 69   |
| 272 326 R11 | 94   | 273 406 R1  | 69   |
| 272 327 R11 | 94   | 273 478 R1  | 103  |
| 272 328 R2  | 94   | 273 478 R1  | 112  |
| 272 329 R1  | 94   | 273 498 R92 | 148  |
| 272 352 R1  | 83   | 273 498 R92 | 152  |
| 272 353 R91 | 129  | 273 498 R92 | 155  |
| 272 372 R91 | 118  | 273 498 R92 | 156  |
| 272 377 R91 | 25   | 273 499 R91 | 148  |
| 272 387 R11 | 93   | 273 499 R91 | 152  |
| 272 388 R11 | 94   | 273 499 R91 | 155  |
| 272 389 R1  | 94   | 273 499 R91 | 156  |
| 272 390 R1  | 93   | 273 500 R92 | 148  |
| 272 397 R91 | 94   | 273 500 R92 | 152  |
| 272 398 R91 | 94   | 273 500 R92 | 155  |
| 272 412 R91 | 119  | 273 500 R92 | 156  |
| 272 413 R1  | 120  | 273 529 R1  | 103  |
| 272 424 R1  | 30   | 273 546 R2  | 148  |
| 272 427 R91 | 71   | 273 547 R3  | 148  |
| 272 428 R91 | 71   | 273 548 R1  | 112  |
| 272 437 R2  | 32   | 273 555 R11 | 112  |
| 272 440 R11 | 115  | 273 556 R13 | 112  |
| 272 449 R92 | 75   | 273 559 R1  | 112  |
| 272 495 R1  | 127  | 273 560 R1  | 112  |
| 272 497 R1  | 126  | 273 561 R1  | 112  |
| 272 526 R1  | 102  | 273 562 R1  | 76   |
| 272 527 R1  | 102  | 273 607 R1  | 97   |
| 272 527 R1  | 112  | 273 682 R11 | 97   |
| 272 533 R12 | 72   | 273 683 R1  | 97   |
| 272 533 R22 | 72   | 273 687 R1  | 97   |
| 272 534 R31 | 73   | 273 688 R1  | 97   |
| 272 536 R1  | 72   | 273 692 R71 | 97   |
| 272 537 R11 | 72   | 273 693 R1  | 97   |
| 272 539 R1  | 72   | 273 694 R1  | 97   |
| 272 540 R1  | 72   | 273 695 R91 | 97   |
| 272 542 R1  | 72   | 273 698 R1  | 98   |
| 272 553 R1  | 87   | 273 698 R1  | 175  |
| 272 799 R1  | 14   | 273 698 R1  | 177  |
| 272 854 R1  | 106  | 273 699 R5  | 97   |
| 272 859 R91 | 105  | 273 746 R1  | 102  |
| 272 864 R91 | 71   | 273 747 R1  | 102  |
| 272 866 R1  | 101  | 273 748 R1  | 102  |
| 272 867 R1  | 101  | 273 749 R1  | 102  |
| 272 925 R1  | 99   | 273 753 R1  | 71   |
| 272 940 R91 | 25   | 273 789 R1  | 97   |
| 272 941 R1  | 30   | 273 790 R1  | 97   |
| 272 946 R1  | 25   | 273 872 R1  | 114  |
| 272 947 R1  | 25   | 273 872 R1  | 162  |
| 273 034 R91 | 27   | 274 085 R91 | 39   |
| 273 034 R91 | 154  | 274 086 R91 | 130  |
| 273 034 R91 | 156  | 274 087 R91 | 39   |
| 273 034 R91 | 157  | 274 087 R91 | 45   |
| 273 034 R91 | 162  | 274 087 R91 | 122  |
| 273 039 R91 | 25   | 274 087 R91 | 125  |
| 273 039 R91 | 154  | 274 088 R91 | 34   |
| 273 039 R91 | 156  | 274 088 R91 | 35   |
| 273 039 R91 | 157  | 274 088 R91 | 37   |
| 273 039 R91 | 162  | 274 089 R91 | 25   |
| 273 053 R1  | 48   | 274 089 R91 | 35   |
| 273 084 R11 | 73   | 274 089 R91 | 37   |
| 273 085 R21 | 73   | 274 193 R1  | 20   |
| 273 100 R1  | 94   | 274 193 R11 | 47   |

NUMERICAL INDEX

| PART NUMBER | PAGE | PART NUMBER | PAGE |
|-------------|------|-------------|------|
| 274 200 R92 | 70   | 274 608 R11 | 43   |
| 274 214 R11 | 130  | 274 630 R91 | 45   |
| 274 221 R1  | 130  | 274 630 R91 | 140  |
| 274 225 R91 | 80   | 274 630 R91 | 141  |
| 274 228 R1  | 80   | 274 630 R91 | 148  |
| 274 229 R1  | 80   | 274 630 R91 | 154  |
| 274 230 R21 | 80   | 274 630 R91 | 157  |
| 274 233 R1  | 80   | 274 630 R91 | 162  |
| 274 239 R1  | 37   | 274 630 R91 | 163  |
| 274 252 R1  | 86   | 274 800 R1  | 85   |
| 274 255 R1  | 86   | 274 801 R1  | 85   |
| 274 256 R2  | 84   | 274 802 R1  | 85   |
| 274 256 R2  | 85   | 274 803 R1  | 85   |
| 274 256 R2  | 86   | 274 804 R1  | 85   |
| 274 282 R1  | 84   | 274 805 R1  | 85   |
| 274 287 R2  | 35   | 274 806 R1  | 85   |
| 274 287 R2  | 37   | 274 807 R1  | 85   |
| 274 288 R1  | 39   | 274 808 R2  | 85   |
| 274 288 R1  | 172  | 274 808 R2  | 86   |
| 274 288 R1  | 173  | 274 809 R2  | 85   |
| 274 289 R1  | 39   | 274 809 R2  | 86   |
| 274 289 R1  | 150  | 274 814 R91 | 42   |
| 274 289 R1  | 172  | 274 815 R91 | 42   |
| 274 289 R1  | 173  | 274 816 R91 | 42   |
| 274 304 R91 | 62   | 274 902 R3  | 128  |
| 274 304 R91 | 67   | 274 905 R1  | 128  |
| 274 305 R91 | 69   | 274 906 R1  | 128  |
| 274 317 R11 | 89   | 274 907 R92 | 128  |
| 274 318 R11 | 89   | 274 918 R1  | 40   |
| 274 324 R21 | 80   | 274 918 R1  | 89   |
| 274 325 R1  | 87   | 275 021 R1  | 130  |
| 274 326 R1  | 87   | 275 022 R1  | 130  |
| 274 328 R91 | 85   | 275 058 R1  | 71   |
| 274 329 R92 | 85   | 275 059 R1  | 71   |
| 274 330 R31 | 86   | 275 066 R1  | 83   |
| 274 331 R2  | 86   | 275 131 R1  | 76   |
| 274 332 R3  | 85   | 275 266 R1  | 149  |
| 274 333 R4  | 85   | 275 266 R1  | 154  |
| 274 333 R4  | 86   | 275 266 R1  | 156  |
| 274 359 R1  | 81   | 275 266 R1  | 157  |
| 274 362 R1  | 81   | 275 268 R1  | 148  |
| 274 374 R92 | 25   | 275 269 R1  | 148  |
| 274 381 R21 | 101  | 275 452 R12 | 112  |
| 274 382 R21 | 101  | 275 460 R2  | 112  |
| 274 383 R2  | 84   | 275 461 R21 | 112  |
| 274 384 R1  | 84   | 275 462 R21 | 112  |
| 274 385 R91 | 84   | 275 519 R2  | 109  |
| 274 395 R1  | 35   | 275 520 R91 | 110  |
| 274 395 R1  | 37   | 275 560 R91 | 25   |
| 274 407 R2  | 35   | 275 568 R1  | 109  |
| 274 407 R2  | 39   | 275 569 R1  | 109  |
| 274 426 R94 | 35   | 275 570 R91 | 109  |
| 274 442 R11 | 13   | 275 571 R1  | 109  |
| 274 455 R91 | 68   | 275 572 R1  | 109  |
| 274 456 R91 | 68   | 275 573 R1  | 109  |
| 274 571 R92 | 61   | 275 634 R1  | 24   |
| 274 580 R92 | 62   | 275 634 R1  | 33   |
| 274 580 R92 | 149  | 275 650 R91 | 149  |
| 274 580 R92 | 154  | 275 684 R1  | 98   |
| 274 580 R92 | 156  | 275 719 R91 | 24   |
| 274 580 R92 | 157  | 275 862 R1  | 150  |
| 274 580 R92 | 162  | 276 027 R91 | 30   |
| 274 580 R92 | 164  | 276 069 R1  | 33   |
| 274 583 R91 | 42   | 276 073 R1  | 24   |
| 274 583 R91 | 43   | 276 132 R91 | 148  |
| 274 602 R11 | 42   | 276 187 R1  | 73   |
| 274 604 R11 | 42   | 276 223 R91 | 89   |
| 274 604 R11 | 43   | 276 226 R1  | 89   |
| 274 606 R1  | 42   | 276 338 R91 | 45   |
| 274 606 R1  | 43   | 276 375 R11 | 148  |
| 274 607 R1  | 42   | 276 378 R1  | 148  |
| 274 607 R1  | 43   | 276 393 R91 | 24   |
| 274 608 R11 | 42   | 276 394 R11 | 24   |

NUMERICAL INDEX

| PART NUMBER | PAGE | PART NUMBER | PAGE |
|-------------|------|-------------|------|
| 276 422 R11 | 12   | 277 347 R2  | 95   |
| 276 426 R1  | 12   | 277 375 R91 | 27   |
| 276 429 R1  | 128  | 277 376 R91 | 27   |
| 276 430 R2  | 129  | 277 377 R1  | 27   |
| 276 460 R12 | 44   | 277 418 R1  | 60   |
| 276 461 R11 | 45   | 277 433 R1  | 128  |
| 276 463 R1  | 44   | 277 434 R1  | 129  |
| 276 478 R91 | 45   | 277 435 R1  | 128  |
| 276 481 R91 | 88   | 277 436 R1  | 129  |
| 276 481 R91 | 149  | 277 438 R91 | 129  |
| 276 482 R1  | 88   | 277 461 R11 | 60   |
| 276 550 R91 | 127  | 277 472 R91 | 60   |
| 276 551 R91 | 126  | 277 472 R91 | 68   |
| 276 552 R92 | 127  | 277 472 R91 | 69   |
| 276 561 R91 | 127  | 277 475 R1  | 33   |
| 276 562 R1  | 127  | 277 551 R91 | 60   |
| 276 563 R1  | 126  | 277 551 R92 | 67   |
| 276 565 R1  | 126  | 277 605 R1  | 88   |
| 276 566 R1  | 126  | 277 667 R92 | 149  |
| 276 567 R1  | 126  | 277 701 R91 | 45   |
| 276 568 R1  | 127  | 277 747 R1  | 85   |
| 276 569 R1  | 127  | 277 748 R91 | 62   |
| 276 570 R1  | 126  | 277 749 R1  | 132  |
| 276 571 R1  | 127  | 277 777 R11 | 112  |
| 276 574 R91 | 126  | 277 994 R1  | 83   |
| 276 575 R1  | 127  | 277 995 R1  | 83   |
| 276 578 R91 | 126  | 278 008 R91 | 24   |
| 276 579 R1  | 126  | 278 027 R1  | 14   |
| 276 579 R1  | 127  | 278 027 R1  | 47   |
| 276 612 R1  | 82   | 278 027 R1  | 76   |
| 276 618 R1  | 149  | 278 027 R1  | 99   |
| 276 622 R1  | 129  | 278 027 R1  | 151  |
| 276 628 R91 | 152  | 278 047 R92 | 156  |
| 276 628 R91 | 155  | 278 047 R92 | 157  |
| 276 628 R91 | 156  | 278 047 R92 | 180  |
| 276 629 R1  | 154  | 278 047 R92 | 183  |
| 276 629 R1  | 156  | 278 048 R91 | 182  |
| 276 629 R1  | 157  | 278 049 R1  | 182  |
| 276 652 R1  | 130  | 278 050 R1  | 182  |
| 276 678 R91 | 131  | 278 069 R91 | 45   |
| 276 737 R92 | 148  | 278 112 R1  | 88   |
| 276 800 R11 | 116  | 278 508 R1  | 90   |
| 276 915 R2  | 34   | 278 545 R1  | 45   |
| 276 954 R1  | 24   | 278 575 R1  | 97   |
| 276 958 R91 | 129  | 278 576 R1  | 97   |
| 276 963 R1  | 14   | 278 578 R1  | 97   |
| 277 022 R1  | 64   | 278 637 R1  | 27   |
| 277 025 R92 | 32   | 278 730 R91 | 63   |
| 277 026 R2  | 32   | 278 730 R91 | 149  |
| 277 027 R2  | 32   | 278 803 R1  | 112  |
| 277 041 R91 | 32   | 278 931 R91 | 136  |
| 277 053 R1  | 97   | 278 931 R91 | 138  |
| 277 054 R91 | 97   | 278 932 R91 | 136  |
| 277 057 R1  | 16   | 278 932 R91 | 138  |
| 277 058 R93 | 129  | 278 933 R91 | 136  |
| 277 061 R11 | 70   | 278 933 R91 | 138  |
| 277 084 R91 | 45   | 278 934 R1  | 136  |
| 277 085 R91 | 140  | 278 934 R1  | 138  |
| 277 181 R91 | 129  | 278 935 R1  | 136  |
| 277 183 R91 | 128  | 278 935 R1  | 139  |
| 277 184 R1  | 129  | 278 936 R1  | 136  |
| 277 256 R91 | 32   | 278 936 R1  | 139  |
| 277 282 R91 | 130  | 278 937 R91 | 136  |
| 277 289 R91 | 131  | 278 937 R91 | 138  |
| 277 289 R91 | 154  | 278 938 R1  | 136  |
| 277 289 R91 | 156  | 278 938 R1  | 139  |
| 277 289 R91 | 157  | 278 939 R1  | 136  |
| 277 289 R91 | 162  | 278 939 R1  | 139  |
| 277 289 R91 | 164  | 278 940 R1  | 136  |
| 277 341 R21 | 95   | 278 940 R1  | 139  |
| 277 342 R21 | 95   | 278 942 R1  | 137  |
| 277 345 R2  | 95   | 278 942 R1  | 140  |
| 277 346 R2  | 95   | 278 943 R1  | 137  |

NUMERICAL INDEX

| PART NUMBER | PAGE | PART NUMBER | PAGE |
|-------------|------|-------------|------|
| 278 943 R1  | 140  | 279 767 R91 | 117  |
| 278 944 R1  | 136  | 279 769 R91 | 117  |
| 278 944 R1  | 139  | 279 770 R91 | 118  |
| 278 945 R91 | 136  | 279 771 R91 | 118  |
| 278 945 R91 | 139  | 279 772 R91 | 118  |
| 278 946 R1  | 136  | 279 774 R91 | 117  |
| 278 946 R1  | 139  | 279 833 R91 | 60   |
| 278 947 R91 | 137  | 279 833 R91 | 67   |
| 278 948 R91 | 140  | 279 875 R11 | 118  |
| 278 949 R1  | 136  | 279 876 R1  | 118  |
| 278 949 R1  | 140  | 279 877 R1  | 118  |
| 278 950 R1  | 137  | 279 878 R1  | 118  |
| 278 951 R1  | 137  | 279 879 R1  | 118  |
| 278 953 R91 | 10   | 279 880 R1  | 118  |
| 278 953 R91 | 29   | 279 881 R22 | 116  |
| 278 953 R91 | 32   | 279 886 R95 | 116  |
| 278 953 R91 | 95   | 279 889 R91 | 116  |
| 279 013 R91 | 126  | 279 892 R91 | 116  |
| 279 014 R91 | 127  | 279 895 R91 | 116  |
| 279 015 R1  | 127  | 279 896 R1  | 76   |
| 279 026 R91 | 45   | 279 896 R1  | 118  |
| 279 029 R91 | 27   | 279 898 R2  | 118  |
| 279 038 R91 | 49   | 279 899 R1  | 118  |
| 279 070 R1  | 87   | 279 900 R1  | 118  |
| 279 135 R1  | 39   | 279 901 R1  | 118  |
| 279 139 R1  | 75   | 279 902 R11 | 117  |
| 279 324 R91 | 78   | 279 903 R2  | 117  |
| 279 443 R2  | 76   | 279 904 R2  | 117  |
| 279 444 R2  | 76   | 279 905 R1  | 117  |
| 279 445 R2  | 76   | 279 906 R1  | 117  |
| 279 446 R2  | 76   | 279 907 R2  | 117  |
| 279 447 R2  | 76   | 279 908 R1  | 117  |
| 279 448 R2  | 76   | 279 909 R2  | 117  |
| 279 449 R1  | 76   | 279 910 R1  | 117  |
| 279 453 R91 | 118  | 279 911 R2  | 117  |
| 279 454 R91 | 117  | 279 912 R1  | 117  |
| 279 485 R1  | 78   | 279 913 R1  | 117  |
| 279 486 R91 | 78   | 279 914 R1  | 117  |
| 279 488 R1  | 78   | 279 915 R1  | 117  |
| 279 500 R11 | 116  | 279 916 R1  | 117  |
| 279 501 R1  | 116  | 279 917 R1  | 117  |
| 279 502 R2  | 116  | 279 918 R1  | 117  |
| 279 503 R1  | 116  | 279 919 R1  | 118  |
| 279 504 R11 | 116  | 279 920 R1  | 118  |
| 279 506 R1  | 115  | 279 921 R1  | 118  |
| 279 507 R11 | 115  | 279 922 R1  | 118  |
| 279 510 R1  | 116  | 279 923 R1  | 118  |
| 279 511 R1  | 116  | 279 924 R1  | 118  |
| 279 512 R1  | 116  | 279 925 R1  | 118  |
| 279 513 R1  | 116  | 279 926 R1  | 118  |
| 279 514 R1  | 116  | 279 927 R1  | 118  |
| 279 515 R11 | 116  | 279 928 R1  | 118  |
| 279 523 R1  | 116  | 279 950 R1  | 77   |
| 279 540 R1  | 118  | 279 951 R11 | 77   |
| 279 548 R1  | 117  | 279 952 R1  | 78   |
| 279 550 R1  | 78   | 279 953 R1  | 78   |
| 279 558 R1  | 77   | 279 954 R1  | 77   |
| 279 576 R1  | 72   | 279 955 R21 | 83   |
| 279 577 R1  | 73   | 279 955 R31 | 83   |
| 279 578 R1  | 72   | 279 956 R21 | 83   |
| 279 606 R1  | 76   | 279 958 R2  | 83   |
| 279 607 R1  | 76   | 279 959 R91 | 82   |
| 279 664 R1  | 73   | 279 961 R1  | 94   |
| 279 680 R2  | 97   | 279 961 R1  | 148  |
| 279 681 R2  | 98   | 279 962 R1  | 76   |
| 279 682 R1  | 98   | 279 963 R21 | 75   |
| 279 726 R1  | 118  | 279 964 R2  | 76   |
| 279 730 R92 | 46   | 279 965 R1  | 112  |
| 279 751 R92 | 97   | 279 970 R91 | 112  |
| 279 760 R91 | 60   | 279 975 R92 | 117  |
| 279 760 R91 | 67   | 279 976 R91 | 118  |
| 279 765 R94 | 78   | 279 977 R1  | 118  |
| 279 766 R91 | 117  | 279 979 R91 | 33   |

NUMERICAL INDEX

NUMERICAL INDEX

| PART NUMBER | PAGE | PART NUMBER | PAGE | PART NUMBER | PAGE | PART NUMBER | PAGE |
|-------------|------|-------------|------|-------------|------|-------------|------|
| 279 981 R91 | 78   | 293 694 R91 | 182  | 295 781 R1  | 182  | 300 559 R91 | 68   |
| 279 986 R91 | 78   | 293 696 R1  | 182  | 295 782 R1  | 182  | 300 916 R1  | 39   |
| 279 991 R1  | 118  | 293 696 R1  | 183  | 295 783 R1  | 182  | 300 916 R1  | 91   |
| 279 992 R1  | 76   | 293 698 R1  | 182  | 295 786 R1  | 182  | 301 871 R1  | 43   |
| 280 655 R91 | 131  | 293 698 R91 | 182  | 295 787 R1  | 182  | 301 913 R1  | 169  |
| 280 668 R91 | 169  | 293 739 R1  | 182  | 295 788 R1  | 182  | 301 913 R1  | 171  |
| 280 668 R91 | 171  | 294 118 R2  | 167  | 295 789 R1  | 182  | 302 085 R91 | 135  |
| 281 182 R91 | 131  | 294 118 R2  | 169  | 295 791 R1  | 182  | 303 245 R91 | 16   |
| 281 268 R2  | 61   | 294 118 R2  | 171  | 295 792 R1  | 182  | 303 389 R92 | 148  |
| 281 425 R91 | 167  | 294 286 R1  | 182  | 295 793 R1  | 182  | 303 392 R11 | 148  |
| 281 463 R1  | 107  | 294 288 R1  | 183  | 295 794 R1  | 183  | 303 393 R1  | 116  |
| 281 463 R1  | 108  | 294 512 R92 | 159  | 295 795 R1  | 183  | 303 492 R91 | 121  |
| 281 923 R1  | 60   | 294 512 R92 | 161  | 295 796 R1  | 183  | 303 492 R91 | 124  |
| 281 923 R1  | 61   | 294 513 R91 | 160  | 295 797 R1  | 182  | 303 535 R11 | 16   |
| 282 081 R91 | 61   | 294 513 R91 | 162  | 295 799 R91 | 180  | 303 541 R1  | 120  |
| 282 818 R1  | 83   | 294 514 R2  | 159  | 295 891 R95 | 160  | 303 542 R91 | 120  |
| 283 000 R1  | 131  | 294 514 R2  | 161  | 295 892 R95 | 160  | 303 666 R1  | 40   |
| 283 001 R91 | 131  | 294 515 R1  | 159  | 295 893 R92 | 159  | 303 667 R1  | 40   |
| 283 036 R1  | 88   | 294 515 R1  | 161  | 295 893 R92 | 161  | 303 667 R1  | 41   |
| 283 189 R1  | 155  | 294 516 R1  | 160  | 295 901 R1  | 160  | 303 667 R1  | 150  |
| 283 189 R1  | 158  | 294 516 R1  | 162  | 295 902 R13 | 159  | 303 667 R1  | 167  |
| 283 286 R1  | 131  | 294 682 R12 | 159  | 295 902 R13 | 161  | 303 667 R1  | 169  |
| 283 321 R91 | 94   | 294 682 R12 | 161  | 295 903 R1  | 159  | 303 667 R1  | 171  |
| 283 321 R91 | 148  | 294 684 R1  | 159  | 295 903 R1  | 161  | 303 667 R1  | 172  |
| 283 321 R91 | 154  | 294 684 R1  | 161  | 295 904 R92 | 159  | 303 667 R1  | 173  |
| 283 321 R91 | 156  | 294 685 R1  | 159  | 295 904 R92 | 161  | 303 669 R1  | 41   |
| 283 321 R91 | 157  | 294 685 R1  | 161  | 295 905 R1  | 159  | 303 669 R1  | 167  |
| 283 442 R91 | 155  | 294 773 R1  | 180  | 295 906 R1  | 159  | 303 669 R1  | 169  |
| 283 442 R91 | 156  | 294 885 R91 | 160  | 295 907 R91 | 159  | 303 669 R1  | 171  |
| 283 455 R1  | 152  | 294 886 R2  | 160  | 295 907 R91 | 161  | 303 685 R11 | 107  |
| 283 455 R1  | 184  | 294 905 R1  | 161  | 295 908 R91 | 159  | 303 686 R11 | 107  |
| 283 457 R1  | 184  | 294 997 R91 | 167  | 295 908 R91 | 161  | 303 687 R11 | 107  |
| 283 461 R1  | 184  | 295 203 R1  | 167  | 295 926 R1  | 155  | 303 688 R11 | 107  |
| 283 461 R91 | 152  | 295 204 R1  | 167  | 295 926 R1  | 158  | 303 691 R91 | 107  |
| 284 179 R1  | 169  | 295 206 R11 | 167  | 296 247 R1  | 155  | 303 691 R91 | 149  |
| 284 179 R1  | 171  | 295 207 R1  | 167  | 296 247 R1  | 158  | 303 691 R91 | 154  |
| 285 723 R1  | 180  | 295 534 R1  | 155  | 296 590 R91 | 160  | 303 691 R91 | 156  |
| 286 952 R1  | 177  | 295 534 R1  | 157  | 296 590 R91 | 162  | 303 691 R91 | 157  |
| 287 058 R91 | 155  | 295 535 R1  | 155  | 296 927 R1  | 183  | 303 691 R91 | 162  |
| 287 058 R91 | 157  | 295 535 R1  | 157  | 296 928 R1  | 183  | 303 694 R91 | 46   |
| 287 072 R1  | 155  | 295 541 R91 | 155  | 296 929 R1  | 183  | 303 694 R91 | 149  |
| 287 072 R1  | 156  | 295 541 R91 | 157  | 296 930 R1  | 183  | 303 704 R92 | 60   |
| 287 200 R91 | 179  | 295 542 R11 | 155  | 296 944 R91 | 180  | 303 704 R92 | 65   |
| 289 253 R1  | 166  | 295 542 R11 | 157  | 296 945 R1  | 183  | 303 704 R92 | 68   |
| 289 253 R1  | 168  | 295 543 R1  | 155  | 296 946 R91 | 183  | 303 704 R92 | 69   |
| 289 253 R1  | 170  | 295 543 R1  | 157  | 296 947 R3  | 183  | 303 705 R91 | 66   |
| 289 254 R1  | 166  | 295 623 R92 | 179  | 296 987 R11 | 156  | 303 706 R1  | 60   |
| 289 254 R1  | 168  | 295 698 R1  | 155  | 296 987 R11 | 157  | 303 706 R1  | 61   |
| 289 254 R1  | 170  | 295 698 R1  | 158  | 297 218 R91 | 155  | 303 715 R91 | 65   |
| 289 555 R1  | 80   | 295 749 R91 | 180  | 297 218 R91 | 156  | 303 716 R91 | 65   |
| 290 028 R1  | 128  | 295 750 R1  | 179  | 297 241 R1  | 182  | 303 717 R91 | 65   |
| 290 028 R1  | 182  | 295 751 R1  | 179  | 297 325 R1  | 183  | 303 718 R91 | 65   |
| 290 297 R1  | 160  | 295 752 R1  | 179  | 297 490 R91 | 160  | 303 722 R1  | 65   |
| 290 987 R1  | 182  | 295 754 R1  | 179  | 297 583 R1  | 10   | 303 724 R1  | 65   |
| 290 987 R1  | 183  | 295 755 R1  | 179  | 298 175 R91 | 155  | 303 855 R11 | 34   |
| 290 998 R1  | 160  | 295 757 R91 | 180  | 298 175 R91 | 156  | 303 856 R1  | 34   |
| 293 650 R1  | 182  | 295 758 R1  | 180  | 298 179 R1  | 180  | 303 857 R91 | 35   |
| 293 658 R1  | 182  | 295 759 R1  | 180  | 298 420 R91 | 60   | 303 866 R91 | 38   |
| 293 661 R1  | 182  | 295 760 R1  | 180  | 299 480 R91 | 160  | 303 867 R11 | 38   |
| 293 668 R1  | 182  | 295 761 R1  | 180  | 299 491 R91 | 175  | 303 868 R1  | 39   |
| 293 669 R91 | 182  | 295 762 R1  | 180  | 299 725 R1  | 152  | 303 870 R1  | 39   |
| 293 672 R1  | 182  | 295 763 R1  | 180  | 299 840 R91 | 150  | 303 962 R1  | 32   |
| 293 673 R1  | 182  | 295 764 R1  | 180  | 299 842 R1  | 40   | 303 995 R1  | 75   |
| 293 674 R1  | 182  | 295 765 R1  | 179  | 299 842 R1  | 41   | 304 069 R1  | 45   |
| 293 675 R1  | 183  | 295 766 R1  | 179  | 299 842 R1  | 150  | 304 070 R92 | 45   |
| 293 681 R1  | 182  | 295 767 R1  | 180  | 299 842 R1  | 167  | 304 071 R11 | 45   |
| 293 685 R91 | 182  | 295 769 R1  | 179  | 299 842 R1  | 169  | 304 072 R1  | 16   |
| 293 688 R1  | 182  | 295 770 R1  | 179  | 299 842 R1  | 171  | 304 074 R1  | 12   |
| 293 689 R2  | 182  | 295 771 R1  | 179  | 299 842 R1  | 172  | 304 078 R1  | 30   |
| 293 690 R1  | 182  | 295 772 R1  | 179  | 299 842 R1  | 173  | 304 080 R1  | 53   |
| 293 691 R1  | 182  | 295 777 R1  | 182  | 300 025 R1  | 183  | 304 082 R11 | 21   |
| 293 692 R1  | 182  | 295 778 R1  | 182  | 300 026 R1  | 174  | 304 083 R91 | 47   |
| 293 693 R1  | 182  | 295 780 R1  | 182  | 300 026 R1  | 175  | 304 084 R11 | 14   |

NUMERICAL INDEX

| PART NUMBER | PAGE | PART NUMBER | PAGE |
|-------------|------|-------------|------|
| 304 086 R11 | 13   | 304 361 R91 | 167  |
| 304 087 R11 | 13   | 304 367 R91 | 150  |
| 304 088 R1  | 14   | 304 376 R11 | 45   |
| 304 089 R2  | 47   | 304 378 R1  | 45   |
| 304 128 R1  | 182  | 304 379 R1  | 53   |
| 304 142 R1  | 130  | 304 380 R1  | 53   |
| 304 181 R91 | 126  | 304 391 R1  | 49   |
| 304 205 R21 | 25   | 304 398 R1  | 27   |
| 304 206 R1  | 10   | 304 453 R1  | 127  |
| 304 207 R11 | 80   | 304 505 R1  | 125  |
| 304 208 R91 | 80   | 304 505 R1  | 132  |
| 304 209 R1  | 80   | 304 506 R1  | 132  |
| 304 210 R11 | 80   | 304 516 R91 | 132  |
| 304 212 R11 | 18   | 304 521 R1  | 132  |
| 304 213 R11 | 18   | 304 522 R1  | 132  |
| 304 215 R2  | 18   | 304 557 R91 | 112  |
| 304 216 R12 | 89   | 304 558 R91 | 112  |
| 304 220 R11 | 89   | 304 561 R92 | 41   |
| 304 221 R11 | 89   | 304 562 R11 | 41   |
| 304 223 R1  | 34   | 304 563 R11 | 41   |
| 304 224 R11 | 130  | 304 622 R1  | 29   |
| 304 225 R92 | 68   | 304 651 R91 | 132  |
| 304 226 R91 | 31   | 304 652 R91 | 133  |
| 304 228 R1  | 31   | 304 653 R1  | 132  |
| 304 233 R11 | 84   | 304 654 R91 | 132  |
| 304 234 R11 | 84   | 304 657 R91 | 133  |
| 304 236 R91 | 114  | 304 659 R1  | 132  |
| 304 236 R91 | 149  | 304 660 R92 | 132  |
| 304 236 R91 | 156  | 304 661 R91 | 133  |
| 304 236 R91 | 157  | 304 662 R1  | 133  |
| 304 237 R91 | 114  | 304 663 R1  | 133  |
| 304 237 R91 | 149  | 304 711 R92 | 18   |
| 304 241 R1  | 35   | 304 726 R1  | 79   |
| 304 242 R1  | 130  | 304 750 R91 | 87   |
| 304 243 R91 | 114  | 304 754 R1  | 87   |
| 304 243 R91 | 149  | 304 755 R1  | 87   |
| 304 244 R91 | 114  | 304 756 R91 | 87   |
| 304 244 R91 | 148  | 304 763 R11 | 107  |
| 304 248 R91 | 42   | 304 764 R11 | 107  |
| 304 248 R91 | 154  | 304 766 R11 | 107  |
| 304 248 R91 | 156  | 304 767 R11 | 107  |
| 304 248 R91 | 157  | 304 861 R91 | 45   |
| 304 274 R91 | 40   | 304 910 R2  | 135  |
| 304 278 R92 | 23   | 304 919 R1  | 15   |
| 304 280 R91 | 130  | 304 922 R91 | 16   |
| 304 283 R11 | 130  | 304 923 R92 | 15   |
| 304 286 R11 | 130  | 304 924 R91 | 15   |
| 304 287 R1  | 34   | 304 947 R1  | 71   |
| 304 288 R1  | 35   | 304 948 R1  | 71   |
| 304 289 R1  | 130  | 304 949 R1  | 71   |
| 304 290 R1  | 34   | 304 999 R1  | 1    |
| 304 291 R1  | 102  | 305 104 R91 | 78   |
| 304 292 R1  | 85   | 305 105 R91 | 78   |
| 304 292 R1  | 86   | 305 108 R91 | 78   |
| 304 293 R92 | 17   | 305 109 R91 | 78   |
| 304 294 R91 | 17   | 305 109 R91 | 151  |
| 304 294 R91 | 148  | 305 109 R91 | 185  |
| 304 294 R91 | 152  | 305 109 R91 | 187  |
| 304 294 R91 | 155  | 305 118 R1  | 15   |
| 304 294 R91 | 156  | 305 119 R1  | 15   |
| 304 294 R91 | 162  | 305 120 R1  | 15   |
| 304 294 R91 | 163  | 305 122 R1  | 39   |
| 304 296 R21 | 17   | 305 131 R91 | 25   |
| 304 298 R21 | 17   | 305 132 R91 | 25   |
| 304 325 R91 | 40   | 305 158 R91 | 79   |
| 304 331 R1  | 40   | 305 161 R91 | 66   |
| 304 339 R91 | 166  | 305 162 R91 | 66   |
| 304 346 R11 | 150  | 305 163 R91 | 66   |
| 304 355 R91 | 166  | 305 164 R1  | 66   |
| 304 359 R91 | 166  | 305 168 R92 | 152  |
| 304 359 R91 | 168  | 305 253 R1  | 39   |
| 304 359 R91 | 170  | 305 254 R1  | 35   |
| 304 360 R11 | 167  | 305 254 R1  | 37   |

NUMERICAL INDEX

| PART NUMBER | PAGE | PART NUMBER | PAGE |
|-------------|------|-------------|------|
| 305 262 R1  | 81   | 307 210 R91 | 131  |
| 305 263 R1  | 32   | 307 250 R91 | 90   |
| 305 264 R1  | 32   | 307 251 R91 | 90   |
| 305 265 R1  | 32   | 307 252 R91 | 90   |
| 305 266 R1  | 167  | 307 252 R91 | 149  |
| 305 266 R1  | 169  | 307 256 R11 | 90   |
| 305 266 R1  | 171  | 307 257 R11 | 90   |
| 305 275 R91 | 8    | 307 258 R1  | 90   |
| 305 402 R11 | 148  | 307 260 R1  | 90   |
| 305 403 R11 | 148  | 307 263 R11 | 90   |
| 305 509 R91 | 32   | 307 264 R11 | 90   |
| 305 525 R91 | 110  | 307 265 R91 | 90   |
| 305 525 R91 | 113  | 307 266 R91 | 90   |
| 305 526 R91 | 110  | 307 271 R11 | 90   |
| 305 526 R91 | 113  | 307 272 R11 | 90   |
| 305 527 R91 | 110  | 307 274 R11 | 90   |
| 305 528 R91 | 110  | 307 275 R11 | 90   |
| 305 533 R91 | 110  | 307 276 R11 | 90   |
| 305 535 R1  | 110  | 307 279 R11 | 90   |
| 305 536 R1  | 110  | 307 285 R91 | 90   |
| 305 537 R91 | 135  | 307 286 R91 | 90   |
| 305 540 R1  | 103  | 307 289 R11 | 89   |
| 305 542 R1  | 110  | 307 290 R11 | 89   |
| 305 667 R1  | 122  | 307 312 R91 | 148  |
| 305 798 R11 | 32   | 307 312 R91 | 152  |
| 305 799 R1  | 32   | 307 312 R91 | 155  |
| 305 855 R92 | 183  | 307 312 R91 | 156  |
| 305 862 R1  | 152  | 307 313 R91 | 94   |
| 305 874 R1  | 155  | 307 314 R91 | 148  |
| 305 874 R1  | 156  | 307 314 R91 | 152  |
| 305 946 R1  | 118  | 307 314 R91 | 155  |
| 306 149 R91 | 32   | 307 314 R91 | 156  |
| 306 149 R91 | 149  | 307 315 R1  | 94   |
| 306 149 R91 | 154  | 307 315 R1  | 148  |
| 306 149 R91 | 156  | 307 315 R1  | 152  |
| 306 149 R91 | 157  | 307 315 R1  | 155  |
| 306 149 R91 | 162  | 307 315 R1  | 156  |
| 306 149 R91 | 164  | 307 316 R1  | 94   |
| 306 163 R1  | 137  | 307 316 R1  | 148  |
| 306 164 R1  | 137  | 307 316 R1  | 154  |
| 306 214 R1  | 53   | 307 316 R1  | 155  |
| 306 220 R91 | 32   | 307 316 R1  | 157  |
| 306 271 R1  | 53   | 307 317 R12 | 94   |
| 306 272 R1  | 46   | 307 317 R12 | 148  |
| 306 668 R11 | 149  | 307 317 R12 | 152  |
| 306 668 R11 | 154  | 307 317 R12 | 155  |
| 306 668 R11 | 156  | 307 317 R12 | 156  |
| 306 668 R11 | 157  | 307 317 R12 | 157  |
| 306 704 R11 | 116  | 307 345 R1  | 39   |
| 306 872 R91 | 148  | 307 345 R1  | 91   |
| 306 874 R1  | 130  | 307 350 R91 | 82   |
| 306 942 R92 | 145  | 307 352 R1  | 83   |
| 307 178 R92 | 112  | 307 353 R1  | 82   |
| 307 179 R92 | 112  | 307 354 R1  | 83   |
| 307 181 R91 | 99   | 307 355 R91 | 82   |
| 307 182 R91 | 99   | 307 357 R1  | 83   |
| 307 200 R91 | 114  | 307 365 R91 | 132  |
| 307 200 R91 | 154  | 307 365 R91 | 149  |
| 307 200 R91 | 156  | 307 366 R91 | 132  |
| 307 200 R91 | 157  | 307 370 R1  | 133  |
| 307 201 R91 | 114  | 307 371 R1  | 133  |
| 307 201 R91 | 154  | 307 373 R1  | 39   |
| 307 201 R91 | 156  | 307 373 R1  | 91   |
| 307 202 R11 | 114  | 307 374 R91 | 91   |
| 307 202 R91 | 156  | 307 381 R92 | 41   |
| 307 202 R91 | 157  | 307 396 R1  | 113  |
| 307 203 R91 | 114  | 307 446 R1  | 46   |
| 307 203 R91 | 154  | 307 446 R1  | 140  |
| 307 203 R91 | 156  | 307 446 R1  | 141  |
| 307 203 R91 | 157  | 307 446 R1  | 105  |
| 307 204 R91 | 114  | 307 465 R2  | 105  |
| 307 204 R91 | 154  | 307 466 R1  | 103  |
| 307 204 R91 | 156  | 307 484 R1  | 117  |

NUMERICAL INDEX

| PART NUMBER | PAGE | PART NUMBER | PAGE |
|-------------|------|-------------|------|
| 307 487 R92 | 72   | 310 837 R91 | 78   |
| 307 489 R92 | 148  | 310 838 R91 | 79   |
| 307 494 R1  | 86   | 310 897 R91 | 169  |
| 307 495 R1  | 86   | 310 897 R91 | 171  |
| 307 617 R1  | 97   | 310 917 R91 | 155  |
| 307 618 R11 | 89   | 310 920 R91 | 155  |
| 307 646 R91 | 39   | 310 921 R91 | 155  |
| 307 646 R91 | 172  | 310 921 R91 | 158  |
| 307 650 R11 | 97   | 310 926 R1  | 140  |
| 307 651 R1  | 97   | 310 929 R1  | 179  |
| 307 654 R11 | 100  | 310 929 R1  | 183  |
| 307 655 R11 | 100  | 310 932 R1  | 179  |
| 307 660 R1  | 98   | 310 934 R1  | 180  |
| 307 663 R91 | 131  | 310 939 R1  | 182  |
| 307 664 R1  | 131  | 310 939 R1  | 183  |
| 307 679 R21 | 40   | 310 991 R1  | 182  |
| 307 679 R21 | 41   | 311 070 R1  | 104  |
| 307 680 R21 | 40   | 311 093 R91 | 154  |
| 307 680 R21 | 41   | 311 094 R1  | 167  |
| 307 680 R21 | 169  | 311 097 R91 | 41   |
| 307 680 R21 | 171  | 311 098 R91 | 41   |
| 307 680 R21 | 172  | 311 140 R1  | 40   |
| 307 680 R21 | 173  | 311 140 R1  | 41   |
| 307 681 R11 | 41   | 311 140 R1  | 172  |
| 307 687 R91 | 150  | 311 140 R1  | 173  |
| 307 688 R91 | 40   | 311 141 R91 | 112  |
| 307 785 R91 | 50   | 311 191 R1  | 70   |
| 307 787 R1  | 50   | 311 191 R1  | 175  |
| 307 821 R91 | 137  | 311 191 R1  | 177  |
| 307 821 R91 | 139  | 311 218 R1  | 35   |
| 307 949 R91 | 152  | 311 218 R1  | 37   |
| 307 949 R91 | 184  | 311 219 R1  | 35   |
| 307 966 R1  | 16   | 311 219 R1  | 37   |
| 308 004 R1  | 14   | 311 223 R91 | 167  |
| 308 005 R1  | 14   | 311 263 R1  | 40   |
| 308 006 R1  | 14   | 311 263 R1  | 41   |
| 308 677 R92 | 175  | 311 263 R1  | 150  |
| 308 854 R95 | 35   | 311 263 R1  | 169  |
| 309 023 R1  | 180  | 311 263 R1  | 171  |
| 309 055 R1  | 174  | 311 263 R1  | 172  |
| 309 055 R1  | 175  | 311 263 R1  | 173  |
| 309 078 R1  | 110  | 311 265 R1  | 156  |
| 309 122 R91 | 86   | 311 265 R1  | 158  |
| 309 149 R1  | 86   | 311 284 R91 | 149  |
| 309 162 R1  | 183  | 311 284 R91 | 154  |
| 309 164 R1  | 50   | 311 284 R91 | 156  |
| 309 217 R1  | 127  | 311 284 R91 | 157  |
| 309 252 R91 | 40   | 311 285 R1  | 148  |
| 309 261 R91 | 169  | 311 285 R1  | 154  |
| 309 296 R1  | 98   | 311 285 R1  | 155  |
| 309 303 R91 | 169  | 311 285 R1  | 157  |
| 309 303 R91 | 171  | 311 288 R91 | 140  |
| 309 304 R1  | 169  | 311 289 R1  | 140  |
| 309 304 R1  | 171  | 311 325 R93 | 140  |
| 309 370 R1  | 150  | 311 334 R1  | 128  |
| 309 859 R91 | 155  | 311 335 R1  | 128  |
| 309 859 R91 | 157  | 311 336 R91 | 129  |
| 309 864 R11 | 156  | 311 346 R1  | 114  |
| 309 864 R11 | 157  | 311 346 R1  | 162  |
| 309 929 R91 | 125  | 311 355 R11 | 101  |
| 310 385 R1  | 49   | 311 356 R11 | 101  |
| 310 447 R91 | 46   | 311 359 R92 | 104  |
| 310 509 R91 | 117  | 311 360 R92 | 104  |
| 310 517 R91 | 97   | 311 365 R1  | 102  |
| 310 533 R91 | 140  | 311 373 R11 | 70   |
| 310 534 R91 | 139  | 311 443 R11 | 73   |
| 310 534 R91 | 140  | 311 445 R2  | 72   |
| 310 535 R91 | 139  | 311 446 R2  | 72   |
| 310 535 R91 | 140  | 311 450 R91 | 91   |
| 310 536 R1  | 139  | 311 451 R11 | 91   |
| 310 536 R1  | 140  | 311 452 R92 | 91   |
| 310 715 R91 | 38   | 311 453 R91 | 91   |
| 310 791 R91 | 167  | 311 460 R1  | 91   |

NUMERICAL INDEX

| PART NUMBER | PAGE | PART NUMBER | PAGE |
|-------------|------|-------------|------|
| 311 460 R1  | 92   | 314 419 R91 | 177  |
| 311 461 R11 | 91   | 314 428 R92 | 172  |
| 311 462 R11 | 91   | 314 428 R92 | 173  |
| 311 468 R11 | 91   | 314 460 R1  | 81   |
| 311 468 R11 | 131  | 314 512 R91 | 148  |
| 311 496 R41 | 97   | 314 525 R1  | 25   |
| 312 109 R1  | 49   | 314 555 R1  | 103  |
| 312 556 R11 | 29   | 314 564 R91 | 150  |
| 312 703 R11 | 13   | 314 565 R11 | 150  |
| 312 705 R1  | 13   | 314 573 R1  | 150  |
| 312 706 R1  | 13   | 314 733 R91 | 175  |
| 312 707 R11 | 13   | 314 737 R1  | 175  |
| 312 823 R1  | 14   | 314 738 R1  | 175  |
| 312 892 R1  | 14   | 314 739 R1  | 175  |
| 312 893 R1  | 14   | 314 739 R1  | 177  |
| 313 085 R91 | 155  | 314 745 R1  | 174  |
| 313 095 R1  | 63   | 314 746 R91 | 174  |
| 313 222 R1  | 169  | 314 746 R91 | 177  |
| 313 222 R1  | 171  | 314 747 R91 | 174  |
| 313 229 R1  | 18   | 314 747 R91 | 177  |
| 313 230 R1  | 18   | 314 757 R1  | 163  |
| 313 231 R1  | 18   | 314 758 R11 | 163  |
| 313 232 R91 | 18   | 314 760 R1  | 163  |
| 313 245 R1  | 158  | 314 761 R91 | 172  |
| 313 337 R1  | 121  | 314 771 R91 | 175  |
| 313 337 R1  | 124  | 314 772 R91 | 175  |
| 313 516 R1  | 174  | 314 772 R92 | 176  |
| 313 516 R1  | 175  | 314 772 R92 | 177  |
| 313 566 R91 | 174  | 314 773 R1  | 186  |
| 313 566 R91 | 177  | 314 773 R1  | 187  |
| 313 631 R1  | 50   | 314 864 R1  | 83   |
| 313 860 R1  | 179  | 314 864 R1  | 97   |
| 313 914 R91 | 75   | 314 973 R91 | 99   |
| 313 938 R1  | 161  | 314 973 R91 | 149  |
| 314 017 R91 | 39   | 314 973 R91 | 154  |
| 314 020 R1  | 81   | 314 973 R91 | 156  |
| 314 100 R91 | 114  | 314 973 R91 | 157  |
| 314 100 R91 | 152  | 314 973 R91 | 162  |
| 314 100 R91 | 155  | 314 973 R91 | 163  |
| 314 100 R91 | 162  | 314 974 R91 | 106  |
| 314 100 R91 | 163  | 314 974 R91 | 113  |
| 314 101 R91 | 153  | 316 377 R1  | 45   |
| 314 154 R91 | 162  | 316 378 R1  | 45   |
| 314 154 R91 | 178  | 316 587 R91 | 106  |
| 314 155 R91 | 114  | 316 588 R91 | 113  |
| 314 155 R91 | 154  | 316 589 R1  | 106  |
| 314 157 R91 | 178  | 316 589 R1  | 113  |
| 314 161 R1  | 178  | 316 590 R1  | 106  |
| 314 162 R1  | 178  | 316 590 R1  | 113  |
| 314 168 R92 | 178  | 316 591 R1  | 106  |
| 314 179 R11 | 178  | 316 591 R1  | 113  |
| 314 180 R11 | 178  | 316 592 R1  | 106  |
| 314 188 R91 | 178  | 316 592 R1  | 113  |
| 314 192 R1  | 178  | 316 593 R1  | 106  |
| 314 198 R1  | 174  | 316 593 R1  | 113  |
| 314 198 R1  | 175  | 316 594 R1  | 106  |
| 314 207 R2  | 174  | 316 594 R1  | 113  |
| 314 207 R2  | 177  | 316 595 R1  | 106  |
| 314 214 R91 | 175  | 316 595 R1  | 113  |
| 314 214 R91 | 177  | 316 596 R1  | 106  |
| 314 215 R11 | 175  | 316 596 R1  | 113  |
| 314 215 R11 | 177  | 316 597 R1  | 99   |
| 314 223 R1  | 172  | 316 597 R1  | 106  |
| 314 223 R1  | 173  | 316 597 R1  | 113  |
| 314 224 R1  | 172  | 316 598 R1  | 98   |
| 314 224 R1  | 173  | 316 599 R1  | 99   |
| 314 225 R1  | 175  | 316 600 R1  | 106  |
| 314 225 R1  | 177  | 316 600 R1  | 113  |
| 314 231 R11 | 163  | 316 600 R1  | 122  |
| 314 232 R1  | 163  | 316 608 R1  | 125  |
| 314 322 R91 | 91   | 316 609 R1  | 122  |
| 314 322 R91 | 92   | 316 609 R1  | 125  |
| 314 419 R91 | 175  | 316 610 R1  | 122  |

NUMERICAL INDEX

| PART NUMBER | PAGE | PART NUMBER | PAGE |
|-------------|------|-------------|------|
| 316 610 R1  | 124  | 318 327 R11 | 49   |
| 316 612 R1  | 121  | 318 379 R1  | 49   |
| 316 612 R1  | 124  | 318 409 R91 | 16   |
| 316 614 R1  | 124  | 318 740 R92 | 101  |
| 316 615 R1  | 125  | 318 741 R92 | 101  |
| 316 645 R91 | 162  | 318 765 R1  | 91   |
| 316 646 R91 | 69   | 318 766 R91 | 91   |
| 316 648 R11 | 148  | 318 766 R91 | 92   |
| 316 807 R91 | 124  | 318 799 R11 | 97   |
| 316 926 R2  | 140  | 318 803 R1  | 124  |
| 317 510 R91 | 20   | 318 803 R91 | 122  |
| 317 525 R91 | 25   | 318 805 R1  | 122  |
| 317 550 R91 | 186  | 318 805 R1  | 124  |
| 317 569 R91 | 25   | 318 806 R1  | 83   |
| 317 589 R1  | 174  | 318 806 R1  | 122  |
| 317 589 R1  | 175  | 318 806 R1  | 125  |
| 317 589 R1  | 177  | 318 820 R1  | 75   |
| 317 614 R92 | 151  | 318 821 R1  | 75   |
| 317 615 R92 | 185  | 318 823 R91 | 76   |
| 317 616 R92 | 185  | 318 841 R91 | 106  |
| 317 621 R91 | 175  | 318 842 R91 | 106  |
| 317 624 R1  | 163  | 318 843 R91 | 106  |
| 317 708 R1  | 151  | 318 844 R91 | 113  |
| 317 708 R1  | 185  | 318 844 R91 | 149  |
| 317 708 R1  | 186  | 318 849 R1  | 128  |
| 317 711 R1  | 151  | 318 851 R31 | 116  |
| 317 712 R92 | 151  | 318 852 R1  | 115  |
| 317 713 R91 | 151  | 318 853 R1  | 116  |
| 317 717 R91 | 16   | 318 854 R1  | 116  |
| 317 718 R91 | 185  | 318 855 R1  | 116  |
| 317 721 R91 | 186  | 318 856 R1  | 116  |
| 317 721 R92 | 185  | 318 857 R2  | 116  |
| 317 722 R91 | 185  | 318 865 R1  | 128  |
| 317 722 R91 | 186  | 318 946 R1  | 83   |
| 317 722 R91 | 187  | 318 947 R1  | 83   |
| 317 723 R1  | 185  | 318 948 R1  | 73   |
| 317 724 R91 | 185  | 318 969 R1  | 88   |
| 317 727 R91 | 186  | 318 988 R91 | 91   |
| 317 857 R1  | 182  | 318 989 R91 | 18   |
| 317 858 R91 | 183  | 318 989 R91 | 91   |
| 317 884 R91 | 122  | 318 991 R1  | 18   |
| 317 884 R91 | 124  | 318 991 R1  | 91   |
| 317 886 R91 | 125  | 318 991 R1  | 92   |
| 317 888 R91 | 124  | 318 995 R1  | 131  |
| 317 889 R91 | 124  | 319 511 R91 | 121  |
| 317 910 R1  | 127  | 319 511 R91 | 124  |
| 317 914 R1  | 121  | 319 545 R91 | 121  |
| 317 914 R91 | 124  | 319 545 R91 | 124  |
| 317 933 R91 | 124  | 319 548 R2  | 78   |
| 317 972 R91 | 26   | 319 628 R91 | 104  |
| 317 989 R91 | 124  | 319 709 R1  | 130  |
| 317 990 R91 | 124  | 319 752 R91 | 130  |
| 318 112 R1  | 10   | 319 768 R91 | 130  |
| 318 141 R11 | 11   | 319 850 R91 | 27   |
| 318 142 R11 | 11   | 319 851 R91 | 27   |
| 318 173 R11 | 13   | 319 852 R1  | 27   |
| 318 225 R1  | 46   | 319 885 R1  | 15   |
| 318 227 R1  | 45   | 319 916 R11 | 16   |
| 318 227 R1  | 146  | 319 970 R1  | 50   |
| 318 228 R1  | 46   | 319 971 R1  | 50   |
| 318 230 R91 | 46   | 319 972 R1  | 50   |
| 318 311 R1  | 46   | 319 973 R91 | 117  |
| 318 312 R11 | 46   | 319 979 R1  | 122  |
| 318 314 R1  | 46   | 319 979 R1  | 124  |
| 318 316 R11 | 17   | 320 274 R1  | 15   |
| 318 317 R1  | 17   | 320 341 R1  | 35   |
| 318 318 R11 | 17   | 320 341 R1  | 37   |
| 318 318 R11 | 18   | 320 351 R91 | 131  |
| 318 320 R11 | 49   | 320 351 R91 | 149  |
| 318 321 R1  | 49   | 320 356 R91 | 40   |
| 318 322 R1  | 49   | 320 358 R91 | 167  |
| 318 323 R1  | 49   | 320 370 R1  | 118  |
| 318 324 R11 | 49   | 320 371 R1  | 118  |

NUMERICAL INDEX

| PART NUMBER | PAGE | PART NUMBER | PAGE |
|-------------|------|-------------|------|
| 320 372 R91 | 118  | 320 637 R1  | 27   |
| 320 380 R1  | 117  | 320 662 R91 | 88   |
| 320 381 R1  | 117  | 320 671 R1  | 88   |
| 320 382 R1  | 118  | 320 741 R1  | 162  |
| 320 383 R1  | 118  | 320 742 R1  | 162  |
| 320 385 R1  | 118  | 320 782 R91 | 162  |
| 320 386 R11 | 117  | 320 783 R91 | 162  |
| 320 390 R1  | 37   | 320 784 R11 | 162  |
| 320 390 R1  | 39   | 320 788 R1  | 162  |
| 320 391 R1  | 37   | 321 022 R1  | 11   |
| 320 391 R1  | 39   | 321 149 R91 | 37   |
| 320 423 R91 | 122  | 321 149 R91 | 39   |
| 320 441 R91 | 121  | 321 165 R91 | 117  |
| 320 441 R91 | 124  | 321 166 R91 | 118  |
| 320 443 R1  | 121  | 321 167 R91 | 118  |
| 320 443 R1  | 124  | 321 185 R91 | 125  |
| 320 453 R11 | 125  | 321 237 R91 | 124  |
| 320 456 R91 | 124  | 321 238 R91 | 125  |
| 320 520 R91 | 83   | 321 244 R1  | 161  |
| 320 525 R1  | 175  | 321 245 R1  | 161  |
| 320 525 R1  | 177  | 321 246 R91 | 162  |
| 320 529 R91 | 175  | 321 247 R91 | 162  |
| 320 534 R91 | 131  | 321 259 R1  | 27   |
| 320 534 R91 | 149  | 321 261 R91 | 27   |
| 320 539 R11 | 91   | 321 262 R91 | 27   |
| 320 539 R11 | 92   | 321 264 R1  | 27   |
| 320 542 R91 | 124  | 321 268 R91 | 140  |
| 320 543 R91 | 124  | 321 269 R91 | 140  |
| 320 545 R1  | 98   | 321 272 R1  | 91   |
| 320 546 R1  | 98   | 321 272 R1  | 92   |
| 320 548 R1  | 76   | 321 273 R1  | 140  |
| 320 548 R1  | 118  | 321 274 R1  | 91   |
| 320 549 R11 | 118  | 321 274 R1  | 92   |
| 320 565 R91 | 91   | 321 282 R91 | 46   |
| 320 565 R91 | 92   | 321 283 R1  | 46   |
| 320 568 R1  | 91   | 321 284 R1  | 46   |
| 320 568 R1  | 92   | 321 300 R91 | 18   |
| 320 569 R1  | 91   | 321 356 R91 | 49   |
| 320 569 R1  | 92   | 321 359 R1  | 49   |
| 320 570 R1  | 131  | 321 375 R1  | 50   |
| 320 571 R1  | 17   | 321 377 R91 | 50   |
| 320 588 R91 | 27   | 321 378 R1  | 50   |
| 320 588 R91 | 154  | 321 379 R1  | 50   |
| 320 588 R91 | 156  | 321 381 R91 | 49   |
| 320 588 R91 | 157  | 321 381 R91 | 50   |
| 320 588 R91 | 162  | 321 382 R91 | 50   |
| 320 588 R91 | 164  | 321 383 R91 | 43   |
| 320 589 R91 | 27   | 321 384 R91 | 122  |
| 320 589 R91 | 149  | 321 402 R91 | 50   |
| 320 593 R91 | 142  | 321 404 R1  | 50   |
| 320 593 R91 | 154  | 321 546 R1  | 177  |
| 320 593 R91 | 156  | 321 547 R91 | 177  |
| 320 593 R91 | 157  | 321 567 R91 | 46   |
| 320 593 R91 | 162  | 321 568 R91 | 46   |
| 320 594 R91 | 142  | 321 569 R91 | 46   |
| 320 594 R91 | 149  | 321 591 R1  | 26   |
| 320 595 R11 | 27   | 321 595 R91 | 27   |
| 320 597 R1  | 27   | 321 688 R91 | 27   |
| 320 598 R1  | 26   | 321 731 R91 | 43   |
| 320 600 R91 | 98   | 321 732 R91 | 43   |
| 320 601 R91 | 98   | 321 876 R91 | 187  |
| 320 606 R11 | 99   | 321 899 R91 | 187  |
| 320 607 R11 | 99   | 321 936 R1  | 151  |
| 320 616 R91 | 99   | 321 944 R91 | 187  |
| 320 616 R91 | 149  | 322 000 R1  | 37   |
| 320 616 R91 | 154  | 322 001 R91 | 37   |
| 320 616 R91 | 156  | 322 006 R1  | 37   |
| 320 616 R91 | 157  | 322 007 R1  | 37   |
| 320 616 R91 | 162  | 322 008 R1  | 37   |
| 320 616 R91 | 163  | 322 009 R1  | 37   |
| 320 625 R1  | 91   | 322 010 R21 | 37   |
| 320 634 R11 | 27   | 322 011 R21 | 37   |
| 320 635 R11 | 27   | 322 012 R91 | 89   |

NUMERICAL INDEX

| PART NUMBER | PAGE | PART NUMBER | PAGE |
|-------------|------|-------------|------|
| 322 013 R91 | 89   | 322 215 R11 | 90   |
| 322 018 R11 | 80   | 322 216 R91 | 90   |
| 322 019 R91 | 148  | 322 216 R91 | 149  |
| 322 020 R11 | 89   | 322 217 R11 | 90   |
| 322 021 R1  | 31   | 322 218 R11 | 90   |
| 322 022 R91 | 130  | 322 219 R91 | 91   |
| 322 048 R91 | 11   | 322 219 R91 | 92   |
| 322 049 R1  | 118  | 322 220 R91 | 92   |
| 322 052 R1  | 130  | 322 226 R1  | 43   |
| 322 053 R1  | 81   | 322 370 R1  | 149  |
| 322 054 R1  | 32   | 322 370 R1  | 154  |
| 322 054 R1  | 81   | 322 370 R1  | 156  |
| 322 055 R91 | 39   | 322 370 R1  | 157  |
| 322 058 R1  | 37   | 322 389 R91 | 35   |
| 322 059 R1  | 37   | 322 390 R91 | 35   |
| 322 060 R1  | 37   | 322 390 R91 | 149  |
| 322 061 R1  | 37   | 322 391 R91 | 35   |
| 322 062 R1  | 37   | 322 392 R91 | 144  |
| 322 063 R91 | 101  | 322 392 R91 | 154  |
| 322 064 R91 | 102  | 322 392 R91 | 156  |
| 322 070 R91 | 102  | 322 392 R91 | 157  |
| 322 071 R91 | 102  | 322 392 R91 | 162  |
| 322 075 R91 | 41   | 322 393 R1  | 35   |
| 322 093 R91 | 171  | 322 394 R1  | 35   |
| 322 097 R91 | 173  | 322 395 R1  | 35   |
| 322 102 R91 | 150  | 322 396 R1  | 35   |
| 322 105 R91 | 150  | 322 397 R1  | 35   |
| 322 106 R91 | 41   | 322 398 R1  | 39   |
| 322 115 R91 | 153  | 322 399 R91 | 144  |
| 322 117 R91 | 143  | 322 399 R91 | 163  |
| 322 117 R91 | 154  | 322 406 R91 | 167  |
| 322 117 R91 | 156  | 322 407 R91 | 150  |
| 322 117 R91 | 157  | 322 425 R91 | 173  |
| 322 117 R91 | 162  | 322 427 R91 | 177  |
| 322 117 R91 | 164  | 322 428 R1  | 177  |
| 322 119 R1  | 27   | 322 429 R91 | 177  |
| 322 123 R91 | 143  | 322 430 R1  | 177  |
| 322 127 R91 | 112  | 322 431 R1  | 177  |
| 322 128 R91 | 112  | 322 432 R1  | 177  |
| 322 142 R1  | 108  | 322 433 R1  | 177  |
| 322 143 R1  | 108  | 322 434 R1  | 177  |
| 322 145 R91 | 108  | 322 435 R1  | 177  |
| 322 146 R1  | 108  | 322 436 R1  | 177  |
| 322 147 R1  | 108  | 322 437 R1  | 177  |
| 322 148 R1  | 108  | 322 441 R1  | 187  |
| 322 149 R91 | 108  | 322 444 R94 | 163  |
| 322 149 R91 | 149  | 322 446 R11 | 163  |
| 322 149 R91 | 164  | 322 450 R91 | 145  |
| 322 175 R11 | 92   | 322 450 R91 | 154  |
| 322 176 R11 | 92   | 322 450 R91 | 156  |
| 322 177 R11 | 92   | 322 450 R91 | 157  |
| 322 180 R91 | 92   | 322 450 R91 | 163  |
| 322 183 R11 | 169  | 322 451 R91 | 34   |
| 322 183 R11 | 171  | 322 452 R91 | 35   |
| 322 195 R91 | 76   | 322 454 R1  | 35   |
| 322 195 R91 | 118  | 322 455 R1  | 35   |
| 322 197 R92 | 41   | 322 456 R1  | 35   |
| 322 198 R91 | 43   | 322 456 R1  | 37   |
| 322 198 R91 | 154  | 322 457 R91 | 35   |
| 322 198 R91 | 156  | 322 457 R91 | 37   |
| 322 198 R91 | 157  | 322 460 R1  | 108  |
| 322 201 R91 | 141  | 322 461 R1  | 108  |
| 322 202 R1  | 46   | 322 471 R1  | 130  |
| 322 202 R1  | 141  | 322 472 R91 | 91   |
| 322 203 R91 | 90   | 322 474 R1  | 27   |
| 322 204 R11 | 90   | 322 505 R91 | 177  |
| 322 205 R11 | 90   | 322 519 R1  | 17   |
| 322 208 R11 | 90   | 322 519 R1  | 18   |
| 322 209 R11 | 90   | 322 525 R1  | 37   |
| 322 211 R91 | 89   | 322 527 R91 | 145  |
| 322 212 R91 | 89   | 322 527 R91 | 154  |
| 322 213 R91 | 90   | 322 527 R91 | 156  |
| 322 214 R11 | 90   | 322 527 R91 | 157  |

NUMERICAL INDEX

| PART NUMBER | PAGE | PART NUMBER | PAGE |
|-------------|------|-------------|------|
| 322 534 R1  | 73   | 331 592 R1  | 94   |
| 322 539 R11 | 18   | 331 594 R1  | 94   |
| 322 550 R91 | 116  | 331 595 R1  | 94   |
| 322 636 R1  | 104  | 331 596 R91 | 94   |
| 322 637 R1  | 104  | 331 606 R91 | 94   |
| 322 638 R1  | 104  | 331 788 R91 | 144  |
| 322 639 R1  | 104  | 331 788 R91 | 149  |
| 322 640 R1  | 104  | 332 018 R1  | 16   |
| 322 641 R1  | 104  | 332 106 R91 | 24   |
| 322 642 R1  | 104  | 332 139 R1  | 12   |
| 322 643 R1  | 104  | 332 139 R1  | 13   |
| 322 655 R1  | 37   | 332 225 R91 | 8    |
| 322 655 R1  | 162  | 332 228 R91 | 46   |
| 322 655 R1  | 163  | 332 229 R91 | 46   |
| 322 780 R1  | 105  | 332 298 R11 | 16   |
| 322 780 R11 | 105  | 332 299 R11 | 16   |
| 322 782 R91 | 105  | 332 341 R91 | 16   |
| 322 800 R11 | 104  | 332 343 R91 | 16   |
| 322 801 R11 | 112  | 332 346 R91 | 16   |
| 322 938 R1  | 73   | 332 348 R91 | 16   |
| 322 939 R91 | 68   | 332 658 R91 | 146  |
| 322 962 R1  | 73   | 332 659 R91 | 11   |
| 322 963 R91 | 73   | 332 659 R91 | 146  |
| 323 905 R1  | 30   | 338 314 R91 | 78   |
| 323 906 R1  | 30   | 338 315 R91 | 78   |
| 323 907 R1  | 30   | 338 359 R1  | 79   |
| 323 960 R91 | 33   | 338 394 R91 | 45   |
| 323 961 R91 | 48   | 338 394 R91 | 46   |
| 323 981 R1  | 15   | 338 727 R1  | 27   |
| 324 005 R1  | 37   | 338 826 R91 | 60   |
| 324 192 R91 | 105  | 338 826 R91 | 66   |
| 324 194 R1  | 27   | 338 826 R91 | 68   |
| 324 195 R91 | 150  | 338 826 R91 | 69   |
| 324 196 R91 | 158  | 338 826 R91 | 66   |
| 324 204 R91 | 158  | 338 896 R1  | 66   |
| 324 205 R91 | 158  | 338 981 R91 | 27   |
| 324 256 R1  | 50   | 340 092 R1  | 10   |
| 324 257 R1  | 50   | 340 092 R1  | 14   |
| 324 259 R1  | 50   | 341 016 R1  | 24   |
| 324 260 R91 | 50   | 348 093 R91 | 37   |
| 324 365 R91 | 26   | 348 102 R91 | 141  |
| 324 458 R1  | 78   | 348 168 R91 | 35   |
| 324 498 R1  | 182  | 348 192 R91 | 37   |
| 324 546 R91 | 78   | 349 012 R91 | 11   |
| 324 547 R91 | 78   | 349 257 R91 | 46   |
| 324 572 R91 | 62   | 350 158 R91 | 79   |
| 324 630 R1  | 30   | 350 429 R1  | 130  |
| 324 742 R91 | 78   | 350 513 R1  | 89   |
| 324 769 R91 | 158  | 350 667 R1  | 125  |
| 324 770 R91 | 158  | 350 684 R1  | 128  |
| 324 771 R91 | 158  | 350 706 R1  | 122  |
| 324 900 R91 | 77   | 350 706 R1  | 125  |
| 324 900 R91 | 149  | 350 708 R1  | 122  |
| 324 900 R91 | 154  | 350 708 R1  | 125  |
| 324 900 R91 | 156  | 350 818 R1  | 128  |
| 324 900 R91 | 157  | 350 818 R1  | 180  |
| 324 900 R91 | 162  | 352 219 R1  | 128  |
| 324 900 R91 | 163  | 352 221 R1  | 182  |
| 328 017 R91 | 24   | 352 277 R11 | 51   |
| 328 018 R91 | 148  | 352 284 R2  | 51   |
| 328 022 R91 | 162  | 352 298 R1  | 51   |
| 328 022 R91 | 163  | 352 299 R1  | 52   |
| 328 027 R91 | 148  | 352 313 R1  | 169  |
| 331 387 R91 | 116  | 352 313 R1  | 171  |
| 331 391 R91 | 163  | 352 352 R1  | 23   |
| 331 491 R91 | 46   | 353 172 R91 | 51   |
| 331 491 R91 | 149  | 353 183 R91 | 122  |
| 331 491 R91 | 154  | 353 183 R91 | 125  |
| 331 491 R91 | 156  | 353 652 R91 | 46   |
| 331 491 R91 | 157  | 353 895 R1  | 52   |
| 331 491 R91 | 163  | 353 896 R91 | 51   |
| 331 491 R91 | 164  | 353 898 R11 | 52   |
| 331 591 R1  | 94   | 353 899 R1  | 52   |
|             |      | 353 900 R11 | 51   |

NUMERICAL INDEX

| PART NUMBER | PAGE | PART NUMBER  | PAGE |
|-------------|------|--------------|------|
| 353 901 R2  | 51   | 517 843 R1   | 41   |
| 353 903 R92 | 51   | 517 843 R1   | 150  |
| 353 905 R1  | 51   | 517 843 R1   | 169  |
| 353 906 R1  | 51   | 517 843 R1   | 171  |
| 353 907 R1  | 51   | 517 843 R1   | 172  |
| 353 921 R1  | 52   | 517 843 R1   | 173  |
| 353 937 R1  | 51   | 551 139 R91  | 182  |
| 354 260 R1  | 69   | 551 193 R1   | 155  |
| 354 489 R1  | 14   | 551 193 R1   | 157  |
| 354 552 R1  | 52   | 553 686 R1   | 47   |
| 354 766 R1  | 23   | 600 192 R1   | 130  |
| 354 767 R1  | 23   | 615 029 R1   | 79   |
| 354 768 R1  | 23   | 615 031 R1   | 41   |
| 354 771 R11 | 23   | 615 227 R1   | 71   |
| 354 836 R1  | 121  | 620 352 R1   | 155  |
| 354 836 R1  | 124  | 620 352 R1   | 157  |
| 355 141 R91 | 31   | 661 671 R91  | 152  |
| 355 889 R2  | 116  | 661 671 R91  | 184  |
| 355 967 R1  | 183  | 999 677 R91  | 135  |
| 356 005 R1  | 159  | 1 000 693 R3 | 145  |
| 356 005 R1  | 182  | 1 000 889 R4 | 145  |
| 356 062 R91 | 69   | 1 001 029 R1 | 137  |
| 357 090 R1  | 23   | 1 001 029 R1 | 139  |
| 357 929 R91 | 51   | 1 001 071 R2 | 145  |
| 357 929 R91 | 68   | 1 001 265 R1 | 145  |
| 357 958 R1  | 31   | 1 001 371 R3 | 145  |
| 358 381 R91 | 51   | 1 001 374 R3 | 145  |
| 358 381 R92 | 51   | 1 001 454 R1 | 145  |
| 358 381 R92 | 53   | 1 001 632 R1 | 145  |
| 358 381 R92 | 68   | 1 001 633 R1 | 145  |
| 358 588 R91 | 67   | 1 001 681 R3 | 145  |
| 358 618 R1  | 51   | 1 001 798 R1 | 145  |
| 360 679 R1  | 31   | 2 750 004 R1 | 145  |
| 360 687 R91 | 121  | 2 750 078 R1 | 145  |
| 360 687 R91 | 124  | 2 750 145 R1 | 145  |
| 360 691 R91 | 122  | 2 750 243 R2 | 145  |
| 360 691 R91 | 125  | 2 750 244 R1 | 145  |
| 361 625 R1  | 122  | 2 750 328 R1 | 145  |
| 361-625 R1  | 125  | 2 750-329 R1 | 145  |
| 361 627 R1  | 122  | 2 750 492 R1 | 145  |
| 361 627 R1  | 125  | 2 750 496 R1 | 145  |
| 361 628 R1  | 122  | 2 750 579 R1 | 145  |
| 361 628 R1  | 125  | 2 750 612 R1 | 140  |
| 362 120 R1  | 14   | 2 750 612 R1 | 141  |
| 362 120 R1  | 27   | 2 750 642 R1 | 145  |
| 362 120 R91 | 81   | 2 750 649 R1 | 162  |
| 362 428 R92 | 81   | 2 750 790 R1 | 145  |
| 363 422 R91 | 63   | 2 750 814 R1 | 145  |
| 364 145 R1  | 127  | 2 751 041 R1 | 27   |
| 368 062 R91 | 51   |              |      |
| 368 096 R1  | 52   |              |      |
| 368 839 R91 | 51   |              |      |
| 368 839 R91 | 53   |              |      |
| 368 839 R91 | 68   |              |      |
| 368 889 R91 | 51   |              |      |
| 368 889 R91 | 68   |              |      |
| 369 908 R1  | 130  |              |      |
| 369 987 R1  | 30   |              |      |
| 369 987 R1  | 62   |              |      |
| 369 987 R1  | 81   |              |      |
| 369 987 R1  | 121  |              |      |
| 369 987 R1  | 122  |              |      |
| 369 987 R1  | 124  |              |      |
| 369 988 R91 | 31   |              |      |
| 369 989 R1  | 31   |              |      |
| 369 989 R1  | 32   |              |      |
| 369 989 R1  | 75   |              |      |
| 371 217 R1  | 39   |              |      |
| 373 577 R91 | 52   |              |      |
| 441 014 R1  | 99   |              |      |
| 495 962 R1  | 152  |              |      |
| 495 962 R1  | 184  |              |      |
| 517 843 R1  | 40   |              |      |

S


|    |       |     |
|----|-------|-----|
| SS | 83    | 134 |
| SS | 83    | 135 |
| SS | 123   | 134 |
| SS | 123   | 135 |
| ST | 202   | 120 |
| ST | 205 A | 75  |
| ST | 205 A | 180 |
| ST | 214   | 118 |
| ST | 221   | 119 |
| ST | 262   | 45  |
| ST | 262   | 46  |
| ST | 264   | 174 |
| ST | 264   | 175 |
| ST | 278   | 120 |
| ST | 284   | 97  |
| ST | 285   | 97  |
| ST | 297   | 119 |
| ST | 310 A | 78  |
| ST | 333   | 75  |

NUMERICAL INDEX

| PART NUMBER | PAGE     | PART NUMBER | PAGE |
|-------------|----------|-------------|------|
| ST          | 554      | 75          |      |
| ST          | 599      | 97          |      |
| ST          | 649      | 117         |      |
| ST          | 662      | 98          |      |
| ST          | 863      | 177         |      |
| ST          | 970      | 177         |      |
| ST          | 972      | 103         |      |
| ST          | 2 045    | 103         |      |
| <b>T</b>    |          |             |      |
| TP          | 24       | 134         |      |
| TP          | 24       | 135         |      |
|             | 8 521 T  | 127         |      |
|             | 9 982 T  | 33          |      |
| <b>V</b>    |          |             |      |
|             | 22 251 V | 187         |      |
|             | 22 259 V | 187         |      |
|             | 33 557 V | 73          |      |
|             | 33 558 V | 88          |      |
| <b>W</b>    |          |             |      |
| W           | 16 210   | 146         |      |
| <b>Y</b>    |          |             |      |
|             | 1 832 YA | 16          |      |







**Order Parts  
for Replacements**

Satisfactory and efficient service in the operation of any machine is endangered by the use of inferior parts, as cheap parts invariably mean short life and high cost.

If parts could be manufactured at a lower cost and sold at lower prices without sacrificing quality, this would be done. The right material for the purpose and the knowledge acquired through many years of manufacturing enables International Harvester to produce quality that will not be found in "will fit" parts.