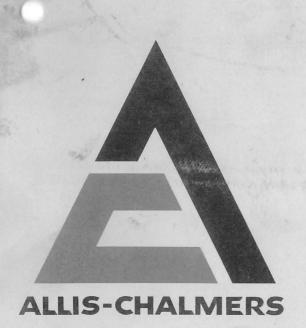
Parts
Catalog
for
6G
CRAWLER
LOADER
(PRIOR TO S/N 13322)



CONSTRUCTION MACHINERY DIVISION SPRINGFIELD, ILLINOIS 62708 U.S.A.

# SECOND PRINTING (12-70)

Identical to FIRST PRINTING with the exception of the inclusion of the following revisions which were given prior release as supplementary information on the dates indicated. Also included are all write-in changes as issued on Parts Bulletins thru TP-106

| PAGE | DATED                |
|------|----------------------|
| 118A | Added March 1968     |
| 118B | Added March 1968     |
| 199  | Added September 1968 |



#### MODEL IDENTIFICATION

The symbol listed below is stamped in front of the model serial number on each unit.

MODEL SYMBOL

ENGINE MODEL

DESCRIPTION

HD6G

HD344G

Front end shovel, 39 link track with 6 roller rigid truck frames, 60" tread

and mechanical drive.

## RECORD YOUR SERIAL NUMBERS BELOW

| TRACTOR SERIAL NO. |  |
|--------------------|--|
| ENGINE SERIAL NO.  |  |
| SHOVEL SERIAL NO.  |  |
| LOADER SERIAL NO.  |  |
| ,                  |  |
|                    |  |
|                    |  |

#### SERIAL NUMBER LOCATIONS

TRACTOR SERIAL NO:

On rear face of steering clutch housing at the upper right hand corner. Also on small plate attached directly below instrument panel.

ENGINE SERIAL NO:

On plate attached to the left hand side of the cylinder block at rear end. Also on plate attached directly below instrument panel. Effective approximately March 1957, the engine serial numbering system was changed, Under the old system, a 5-digit number was used (Example: No. 99321). The prefix "6-" with the serial number (Example: 6-7101) is used under the new system. With the new prefix, the serial numbers were started in a new series, beginning with No. 6-7101.

SHOVEL SERIAL NO:

On plate attached to the upper rear face of the left hand side of the shovel frame.

LOADER SERIAL NO:

On plate attached to the front face of the loader frame center bar.

# AVOID ACCIDENTS

Most accidents, whether they occur in industry, on the farm, at home or on the highway, are caused by the failure of some individual to follow simple and fundamental safety rules or precautions. For this reason MOST ACCIDENTS CAN BE PREVENTED by recognizing the real cause and doing something about it before the accident occurs.

Regardless of the care used in the design and construction of any type of equipment there are many conditions that cannot be completely safeguarded against without interfering with reasonable accessibility and efficient operation.

A careful operator is the best insurance against an accident. The complete observance of one simple rule would prevent many thousand serious injuries each year.

That rule is:

Never attempt to clean, oil or adjust a machine while it is in motion.

NATIONAL SAFETY COUNCIL

# -WARNING-

On machines having hydraulically, mechanically, and/or cable controlled equipment (such as shovels, loaders, dozers, scrapers, etc.) be certain the equipment is lowered to the ground before servicing, adjusting and/or repairing. If it is necessary to have the hydraulically, mechanically, and/or cable controlled equipment partially or fully raised to gain access to certain items, be sure the equipment is suitably supported by means other than the hydraulic lift cylinders, cable and/or mechanical devices used for controlling the equipment.

#### IMPORTANT

The terms "right" and "left" used throughout this parts list are determined by facing the direction forward travel.

Attaching parts such as bolts, nuts, rivets, screws, washers, etc., are indented immediately following the parts which they attach.

Parts indicated with a square ( $\square$ ) are also available in packaged sets. Refer to section titled "PACKAGED PARTS."

#### INSTRUCTIONS FOR ORDERING PARTS

#### ALWAYS GIVE THE MODEL AND ENGINE SERIAL NUMBER.

To obtain parts promptly, give part name and part number.

Give post office address, town, county and state where parts are to be shipped. Also specify whether material is to be shipped by freight, express or parcel post.

Order parts from the dealer covering the local territory.

Confirm all telephone or telegraph orders in writing.

Parts for standard motor accessories such as generators and starting motors should be ordered from authorized Service Stations maintained by manufacturers of these units throughout the country.

No credit will be allowed on parts unless they are returned to the dealer from whom they were purchased; from there they will be returned, at the customer's expense, to the factory for inspection.

Unless claims for shortages or errors are made immediately upon receipt of goods, they will not be considered.

when broken goods are received, a full description of the damage should be made by the carrier agent on the freight bill. If this description is insisted upon, full damage can always be collected from the transportation company.

No reponsibility is assumed for delay or damage to merchandise while in transit. Our responsibility ceases upon delivery of shipment to the transportation company from whom a receipt is received showing that shipment was in good condition when delivered to them; therefore, claims (if any) should be filed with the transportation company and not with Allis-Chalmers.

The right is reserved to change the construction or material of any parts where it seems desirable to do so without incurring the obligation of installing such changes on units already delivered.

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T-24047

HOSE

NIPPLES

TYPE C

PIPE THREAD

TYPE K

TYPE B

MALE FLARE

TYPE G

TYPE A

FEMALE FLARE

TYPE E

0

Refer to right hand column for identity of interchangeable crimped-type hose (fittings not re-usable). NOTE: Assembly number shown in left hand column indicates available replacement hose assembly with reusable components; where no assembly number is listed, hose assembly is not available from factory but may be constructed in the field from data indicated.

TYPE L

TYPE D

SOCKETS

FOR TYPE "L" NIPPLE

| HOSE<br>ASSEMBLY  | BULK<br>HOSE | HOSE<br>LENGTH | 176.1               | IPPLE<br>{1 end) |      | -                   | IIPPLE<br>#2 end) |      | SOCKET<br>(both ends) | NIPPL:<br>FLANC |          | CRIMPED-<br>TYPE<br>HOSE |
|-------------------|--------------|----------------|---------------------|------------------|------|---------------------|-------------------|------|-----------------------|-----------------|----------|--------------------------|
| NO.<br>(See NOTE) | (25' roll)   | (inches)       | Including<br>SOCKET | NIPPLE<br>only   | Туре | Including<br>SOCKET | NIPPLE<br>only    | Туре |                       | Part No.        | X<br>Dim | (See NOTE) Part No.      |
| 083002            | 919196       | 7-5/8          | 920847              | 920301           | A    | 920833              | 919200            | С    | 919143                |                 |          |                          |
| 083529            | 919156       | 17             | 920858              | 919080           | В    | 920865              | 919081            | E    | 919076                |                 |          |                          |
| 083567            | 919156       | 24-5/8         | 920858              | 919080           | В    | 920880              | 919254            | D    | 919076                |                 |          |                          |
| 094440            | 919155       | 65             | 920849              | 920302           | A    | 920849              | 920302            | A    | 919075                |                 |          |                          |
| 094464            | 919155       | 59-3/4         | 920849              | 920302           | A    | 920864              | 919082            | E    | 919075                |                 |          |                          |
| 094674            | 919196       | 34-1/4         | 920847              | 920301           | A    | 920862              | 919194            | E    | 919143                |                 |          |                          |
| 094703            | 919196       | 32-1/4         | 920847              | 920301           | A    | 920833              | 919200            | С    | 919143                |                 |          |                          |
| 094858            | 919196       | 39-1/2         | 920847              | 920301           | A    | 920862              | 919194            | E    | 919143                |                 |          |                          |
| )5323             | 919196       | 5-3/8          | 920855              | 919144           | В    | 920877              | 919207            | D    | 919143                |                 | 1        |                          |

| 1 1     |        | 1 1     |        |        | I  | 1 - 1   |        | 1 1       |        | ſ | 1 1 |  |
|---------|--------|---------|--------|--------|----|---------|--------|-----------|--------|---|-----|--|
| 324     | 919156 | 27-5/8  | 920880 | 919254 | D  | 20865   | 919081 | E         | 919076 |   |     |  |
| 095526  | 919156 | 7-3/4   | 920850 | 920303 | A  | 920858  | 919080 | В         | 919076 |   |     |  |
| 095554  | 919196 | 17-3/4  | 920847 | 920301 | A  | 920862  | 919194 | E         | 919143 |   |     |  |
| 095789  | 919156 | 38-1/2  | 920850 | 920303 | A  | 920858  | 919080 | В         | 919076 |   |     |  |
| 095865  | 919196 | 21-3/8  | 920862 | 919194 | E  | 920862  | 919194 | E         | 919143 |   |     |  |
| 097746  | 919156 | 9-1/2   | 920858 | 919080 | В  | 920838  | 919074 | С         | 919076 |   |     |  |
| 097747  | 919196 | 18-1/4  | 920855 | 919144 | В  | 920834  | 919550 | С         | 919143 |   |     |  |
| 097864  | 919196 | 50      | 920847 | 920301 | A  | 920847  | 920301 | A         | 919143 |   |     |  |
| 098365  | 919156 | 31      | 920872 | 919158 | E  |         | 919296 | G         | 919076 |   |     |  |
| 098366  | 919156 | 27-5/8  | 920865 | 919081 | E  |         | 919296 | G         | 919076 |   |     |  |
| 620495  | 919196 | 9-3/8   | 920855 | 919144 | В  | 920869  | 919253 | В         | 919143 |   |     |  |
| 620496  | 919196 | 42      | 920855 | 919144 | В  | 920869  | 919253 | E         | 919143 |   |     |  |
| 625835  | 919474 | 65      | 921011 | 923097 | А  | 921011  | 923097 | A         | 919469 |   |     |  |
| 625836  | 920221 | 75-1/4  | 920852 | 920344 | A  | 920852  | 920344 | А         | 919281 |   |     |  |
| 626392  | 920794 | 149-1/2 | 921020 | 922830 | А  | 920944  | 920978 | A         | 920972 |   |     |  |
| 626393  | 920794 | 155-1/2 | 920944 | 920978 | А  |         | 641707 | E<br>Long | 920972 |   |     |  |
| 626405  | 920221 | 12-7/8  | 920841 | 919280 | С  | 920882  | 919278 | D         | 919281 |   |     |  |
| 3010972 | 920795 | 72      | 920945 | 922831 | A  | 920928  | 920970 | С         | 920973 |   |     |  |
| 3010979 | 920795 | 72      | 920928 | 920970 | С  | 920928  | 920970 | С         | 920973 |   |     |  |
| 3016241 | 919474 | 44      | 921011 | 923097 | A  | 921009  |        | В         | 919469 |   |     |  |
| 3016242 | 919474 | 44      | 921011 | 923097 | A  | 920840  |        | С         | 919469 |   |     |  |
| 3016243 | 920221 | 34-1/2  | 920852 | 920344 | A  | 920852  | 920344 | A         | 919281 |   |     |  |
| 3016244 | 920221 | 32      | 920852 | 920344 | A  | 920852  | 920344 | A         | 919281 |   |     |  |
| 3016868 | 920795 | 101-1/4 | 920945 | 922831 | А  | 3016863 |        | K         | 920973 |   |     |  |
| 3019620 | 920795 | 112-1/4 | 920945 | 922831 | A  | 3016863 |        | K         | 920973 |   |     |  |
| 3020162 | 920221 | 17-3/4  | 920852 | 920344 | A  | 920841  | 919280 | С         | 919281 |   |     |  |
| 3020231 | 920727 | 42-1/4  | 920852 | 920344 | Α. | 920852  | 920344 | A         | 919281 |   |     |  |
| 3020232 | 920727 | 20-3/4  | 920852 | 920344 | A  | 920852  | 920344 | A         | 919281 |   |     |  |
| 3020275 | 920794 | 171-3/4 | 920944 | 920978 | A  | 921020  | 922830 | A         | 920972 |   |     |  |
| 3020276 | 920794 | 152     | 920944 | 920978 | A  | 921020  | 922830 | A         | 920972 |   |     |  |
| 3024545 | 920221 | 12-3/4  | 920852 | 920344 | A  | 920841  | 919280 | С         | 919281 |   |     |  |
| 4335557 | 919196 | 7-7/8   | 920847 | 920301 | A  | 920833  | 919200 | C         | 919143 |   |     |  |

## HOSE PARTS (Continued)

|         |        |         |        | -      | 1          | ý.     |        |       |        | 1      | 1 |        |
|---------|--------|---------|--------|--------|------------|--------|--------|-------|--------|--------|---|--------|
| 4335716 | 919196 | 10-5/8  | 920847 | 920301 | A          | 920833 | 919200 | С     | 919143 |        |   |        |
| 4335898 | 919155 | 19-1/2  | 920849 | 920302 | А          | 920864 | 919082 | E     | 919075 |        |   |        |
| 4335931 | 919196 | 7       | 920862 | 919194 | E<br>short | 920869 | 919253 | Elong | 919143 |        |   |        |
| 4335935 | 919155 | 15-1/2  | 920849 | 920302 | A          | 920864 | 919082 | E     | 919075 |        |   |        |
| 4348960 | 920222 | 9-7/8   | 920868 | 920144 | E          |        | 920141 | L     | 919282 | 919251 | 3 |        |
| 4348961 | 920222 | 11-7/8  | 920868 | 920144 | E          |        | 920141 | L     | 919282 | 919251 | 3 |        |
| 4349776 | 919155 | 7       | 920849 | 920302 | А          | 920836 | 919073 | С     | 919075 |        |   |        |
|         | 920795 | 101-1/4 | 920963 | 921555 | D          |        | 626222 | K     | 920973 |        |   | 646240 |
|         | 919155 | 97-3/4  | 920849 | 920302 | A          |        | 919297 | G     | 919075 |        |   | 646743 |
|         | 919155 | 88-1/2  | 920864 | 919082 | E          |        | 919297 | G     | 919075 |        |   | 646899 |
|         |        |         |        |        |            |        |        |       |        |        |   |        |
|         |        |         |        |        |            |        |        |       |        |        |   |        |
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|         |        |         |        |        |            |        |        |       |        |        |   |        |
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| 1       |        |         |        |        |            |        |        |       |        |        |   | /Tbv   |
|         |        |         |        |        |            |        |        |       |        |        |   |        |

#### PACKAGED PARTS

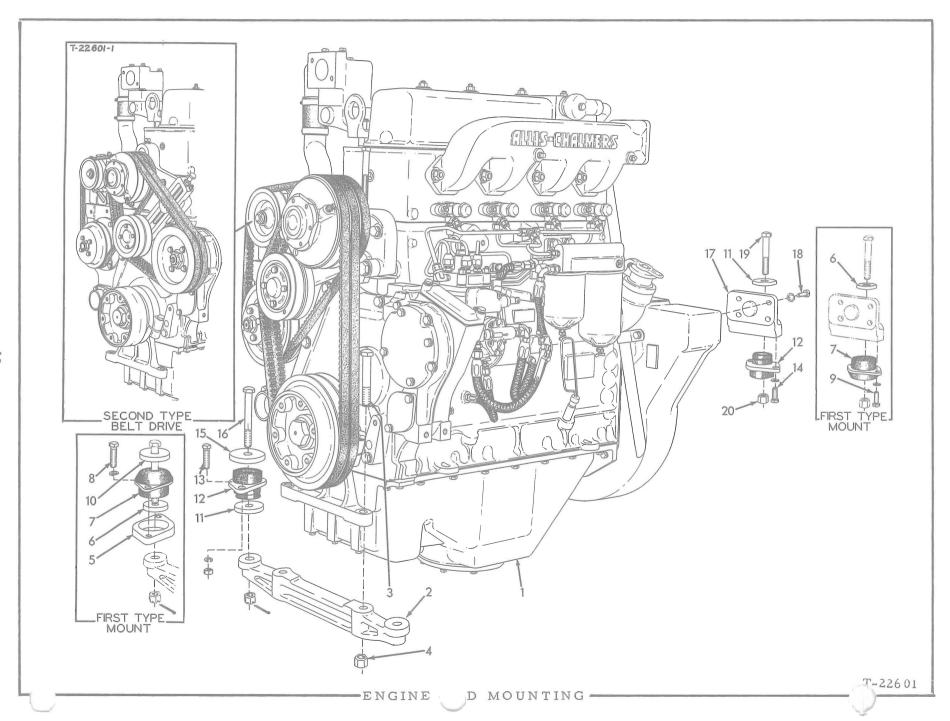
| PACKAGE NO. | DESCRIPTION  |
|-------------|--|
| <b></b>     | BLOCK KIT, clutch camshaft (See page 139)  |
| J           | FILTER KIT, hydraulic system fluid (See SHOVEL PORTABLE FILTER)  |
| 069625      | GASKET SET, Steering Clutch and Final Drive Housing  3 035249 GASKET, drain plug  2 049903 GASKET, outer bearing cover  2 050368 GASKET, final drive compartment bottom cover  1 050369 GASKET, bevel gear compartment rear cover  2 051245 GASKET, inner bearing cage  1 051403 GASKET, bevel gear compartment top cover  |
| 069628      | GASKET SET, transmission  1 035249 GASKET, case filling plug 1 049836 GASKET, input shaft seal ring 1 050267 WASHER, locking plunger sleeve 1 050294 GASKET, gear shift housing to case 1 050296 GASKET, top shaft front bearing cover 1 050298 GASKET, case to steering clutch housing 1 050304 GASKET, transmission case side cover 1 080166 BOOT, locking plunger   |
| 4349764     | GASKET KIT, cylinder head  4 4251987 RING, sealing, valve lifter cover nut  1 4300145 GASKET, water outlet elbow  4 4338511 GASKET, muffler to cylinder head  2 4337769 GASKET, valve lifter cover  4 4346138 GASKET, intake manifold  1 4348133 GASKET, breather tube  2 4348189 GASKET, thermostat housing  4 4348278 GASKET, water manifold  1 4348772 GASKET, rocker cover  1 4348934 GASKET, water outlet elbow (Not HD6G)  1 4349883 GASKET, cylinder head  1 4511204 GASKET, injection nozzle holder  |
| 4349765     | GASKET KIT, intermediate, engine cylinder block  1 035249 GASKET, oil drain plug 2 4113897 GASKET, regulating valve nut 2 4253106 O-RING, oil cooler flange 1 4254624 O-RING, camshaft hole plug 1 4335056 GASKET, water pump volute 1 4335712 GASKET, cover plate (Not HD6G) 1 4336345 GASKET, timing gear housing cover 1 4336897 RING, sealing, flywheel housing to crankcase 1 4346169 GASKET, oil pump discharge pipe 1 4346744 GASKET, water inlet pipe 1 4347031 GASKET, water pump 1 4347031 GASKET, timing hole cover 1 4348126 GASKET, timing gear cover 1 4348136 GASKET, timing gear housing 1 4348184 GASKET, oil cooler to block 1 4348185 GASKET, oil cooler to block 2 GASKET, oil pump discharge pipe 1 4348218 GASKET, oil pump discharge pipe 1 4349011 GASKET, cover plate 1 4349984 GASKET, oil pump suction line 1 4349984 GASKET, oil pan cover (Not HD6G) 1 4371289 GASKET, oil pan cover (Not HD6G) 1 4371289 GASKET, oil pan cover |

## PACKAGED PARTS

| PACKAGE NO.                      | DESCRIPTION  |
|----------------------------------|--|
| 082877                           | INSTALLATION KIT, engine clutch 2 050442 BEARING, needle, shifting yoke 1 053899 HOSE, lubricating, clutch shifter bearing 4 053927 SEAL, dust, shifting yoke bearing 2 053929 BLOCK, sliding, shifting yoke 2 056864 RACE, shifting yoke needle bearing   |
| VP DIS 400 DIS 500 DIS           | JOURNAL KIT, universal joint (See page 145)  |
| per per per per per per          | LINING KIT, brake band (See BRAKES)  |
| 093084                           | MOUNTING KIT, radiator (Required when making first radiator replacement on tractors built prior to January 1957)  4 064531 WASHER, radiator mounting capscrew  1 070469 CAPSCREW, fan guard attaching  12 093054 WASHER, radiator mounting  2 093055 PAD, radiator support  4 093059 CAPSCREW, radiator mounting  4 093061 CAPSCREW, radiator support  1 093128 CABLE, shell grounding (Not HD6G)  4 900806 PIN, cotter, 1/8" x 1"  1 906960 LOCKWASHER, int-tooth, 3/8" (Not HD6G)  1 906961 LOCKWASHER, int-tooth, 1/2" (Not HD6G)  18 900818 WASHER, plain, U. S. std., 1/2"  4 904208 LOCKWASHER, 1/2"  4 910867 NUT, slotted, 1/2"NF  4 911043 NUT, 1/2"NF  4 916009 WASHER, shimming |
|                                  | PIN KIT, shovel bucket (See BUCKET)  |
|                                  | PIPING AND ADAPTER KIT (See SHOVEL PORTABLE FILTER)  |
| 4337973                          | PISTON AND SLEEVE KIT  2   |
| 3027808                          | RELIEF VALVE KIT, shovel control valve  1  |
| TOT DOT DATE AND GAME AMEN SHIPE | REPAIR KIT, dump cylinders (See pages 299,301)   |
| DHI WAY BHIS COS COS COS COS.    | REPAIR KIT, lift cylinders (See page 305)  |

## PACKAGED PARTS

| PACKAGE NO.                          | DESCRIPTION  |
|--------------------------------------|--|
| per 300 000 000 000 000              | REPAIR KIT, loader cylinder (See page 373)                                 |
|                                      | REPAIR KIT, shovel pump (See page 291)                                     |
| DOS AND DOS COS CAS CAS              | RING SET, piston (See PISTON AND CONNECTING ROD)                           |
| one per tim too and and and          | SEAL KIT (See FINAL DRIVE OUTBOARD BEARING AND SEAL)                       |
| Ure par and for 640 free 660         | SEAL KITS (See FINAL DRIVE SPROCKET SHAFT AND GEAR)                        |
|                                      | SEAL KIT, heavy-duty truck wheel (See page 187)                            |
|                                      | SEAL KIT (See TRACK IDLER)   |
|                                      | SEAL KIT, transmission (See TRANSMISSION)                                  |
| and dall dall time date later later. | SEAL KITS, truck wheel and track supporting roller (See pages 185 and 189) |
| gast day day day day over ever       | TRANSFER KIT (See PAINTING AND MARKING)                                    |



#### ENGINE AND MOUNTING

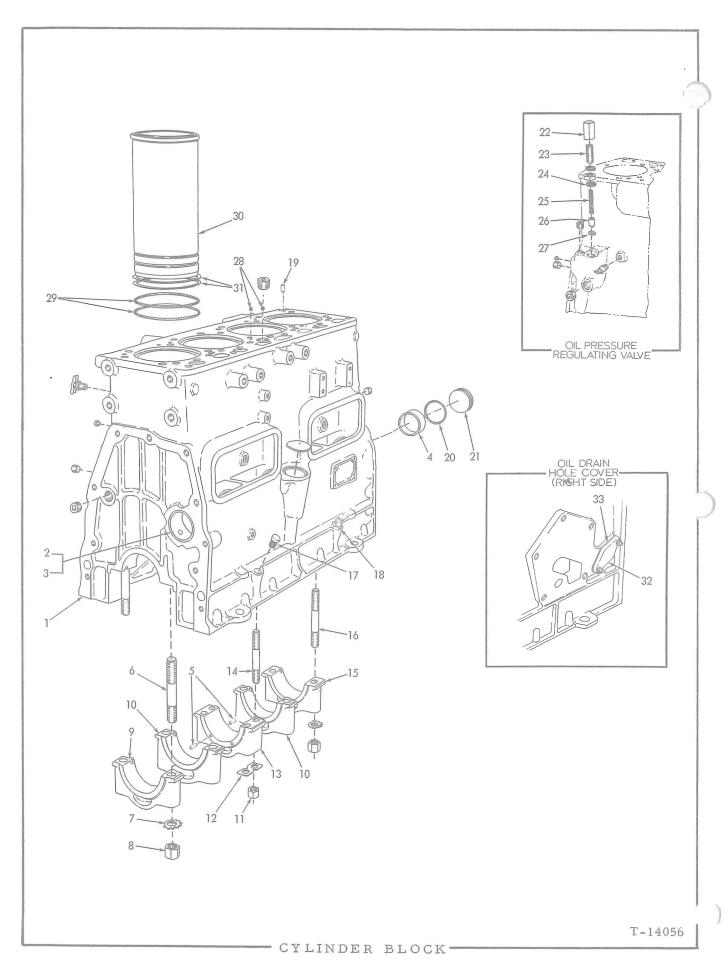
| ITEM           | PART NO.                                       | QTY.                  | DESCRIPTION   |
|----------------|--|-----------------------|---|
| ) 1            | 4348759  | 1                     | ENGINE ASSEMBLY (Includes oil filter, oil cooler, fuel filter and generator but is less air cleaner, fan, starter, muffler or the first stage fuel filter element. This element must be added if tractor is not equipped with Special Heavy-Duty Fuel Filter) |
| 2<br>3<br>4    | 087464<br>070299<br>072366                     | 1<br>2<br>2           | HANGER, engine supporting, front CAPSCREW, 5/8"NF x 4" NUT, high, 5/8"NF  |
|                |  |                       | NOTE: Items 5 thru 10 comprise the FIRST TYPE ENGINE MOUNT used on tractors prior to serial No. 9721.   |
| 5              | 086960   | 2                     | PLATE, front shock mount  |
| 6              | 086961   | 4                     | WASHER, plain, engine mount   |
| 7<br>8<br>9    | 090240<br>035073<br>035061<br>904208           | 4<br>4<br>4<br>8      | MOUNT, shock  CAPSCREW, 1/2"NF x 1-3/4" (front mounts)  CAPSCREW, 1/2"NC x 1-1/4" (rear mounts)  LOCKWASHER, 1/2"   |
| 10             | 087463   | 2                     | WASHER, plain, front engine mount   |
|                |  |                       | NOTE: Items 11 thru 15 comprise the SECOND TYPE ENGINE MOUNT effective with tractor serial No. 9721.  |
| ) 11           | 097283   | 4                     | WASHER, plain, shock mount  |
| 12<br>13<br>14 | 097284<br>035073<br>035061<br>904208<br>911043 | 4<br>4<br>4<br>8<br>4 | MOUNT, shock  CAPSCREW, 1/2"NF x 1-3/4" (front mounts)  CAPSCREW, 1/2"NC x 1-1/4" (rear mounts)  LOCKWASHER, 1/2"  NUT, 1/2"NF (front mounts only)  |
| 15             | 096652   | 2                     | WASHER, plain, front shock mount  |
| 16             | 091984<br>917362<br>900808                     | 2<br>2<br>2           | CAPSCREW, front mount NUT, thick, slotted, 5/8"NF PIN, cotter, 1/8" x 1-1/2"  |
| 17             | 091080<br>035190                               | 2<br>6                | BRACKET, rear mounting CAPSCREW, 1/2"NC x 1-1/2" (2 additional used   |
| 18 <           | 921556   | 2                     | on tractors #9157 thru #11093) CAPSCREW, 1/2"NC x 2" (Not used on tractors  |
|                | 904208   | 8                     | #9157 thru #11093)<br>LOCKWASHER, 1/2"  |

072366

20

2

CAPSCREW, rear mounting (5/8"NF x 3-3/4")
NUT, high, 5/8"NF



#### CYLINDER BLOCK

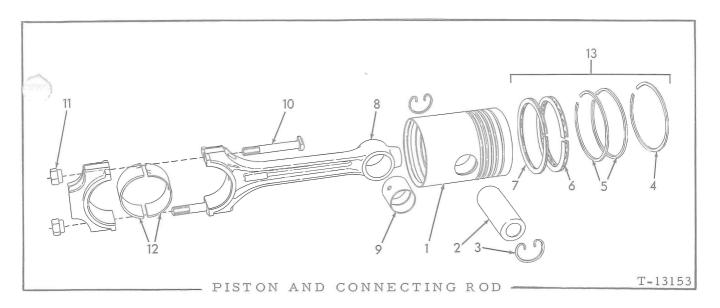
\* Original equipment \*\* Service replacement

```
QTY.
    PART NO.
                    **
                       DESCRIPTION
                        BLOCK ASSEMBLY (Order BLOCK ASSY, 4338682. If for engines
                           prior to #86596 also order 1 restricted ELBOW ASSY. 4349297 for
                           rocker shaft oil supply tube)
      4338682
                    1
                        BLOCK ASSEMBLY (Includes items 2 thru 19, 27, 32, 33 and hardware
                           indented below)
      910015
                             PLUG, expansion, 2-1/8" diam. (Used prior to engine #6-8590)
                 1
                             PLUG, pipe, hex-hd., 1/8"NPT
      919134
                 2
                   2
      920333
                 4
                   4
                             PLUG, pipe, hex-hd., 3/8"NPT
                             PLUG, pipe, hex-hd., 1/2"NPT
      920416
                 2
                   2
      917970
                             PLUG, pipe, hex-socket, 1/2"NPT
                   1
      904224
                   1
                             PLUG, pipe, ctsk-hd., 3/4"NPT
      912415
                             COCK, drain, 1/4"NPT
      4346100
                        BEARING, camshaft, front (standard size)
                 1
                   1
      4347416
                        BEARING, camshaft, front (.010" undersize)
                        BEARING, camshaft, intermediate (standard size)
      4347419
                 2
                   2
                        BEARING, camshaft, intermediate (.010" undersize)
      4346108
                        BEARING, camshaft, rear (standard size)
                 1
      4347413
                        BEARING, camshaft, rear (.010" undersize)
                        PIN, center main bearing cap (See CRANKSHAFT)
                 4
                   4
       ----
                        STUD, front main bearing cap (3/4" diam., 5-1/2" long)
      4348046
      4339037
                    2
                        CAPSCREW, front main bearing cap (3/4"NC x 3-15/16")
                        LOCKWASHER, main bearing stud nut (Order WASHER 4354175)
      4354175
                    8
                        WASHER, main bearing capscrew
 8
      4346191
                        NUT, main bearing stud (3/4"NF)
                        CAP, front main bearing (See NOTE below)
      4349630
                   1
10
      4349632
                 2
                   2
                        CAP, intermediate main bearing (See NOTE below)
11
                        NUT, center main bearing stud (5/8"NF)
      4346322
                        PLATE, locking, center main bearing stud nut (Order WASHER 4389910)
12
      4389910
                        WASHER, center main bearing capscrew
13
      4349629
                        CAP, center main bearing (See NOTE below)
                        STUD, center main bearing cap (Order CAPSCREW 4339038)
      4339038
                        CAPSCREW, center main bearing cap (5/8"NC x 3-13/16")
                    4
15
      4349631
                        CAP, rear main bearing (See NOTE below)
                1 1
                        NOTE: Replacement bearing caps are semi-finished and must be
                               line-bored after installing.
```

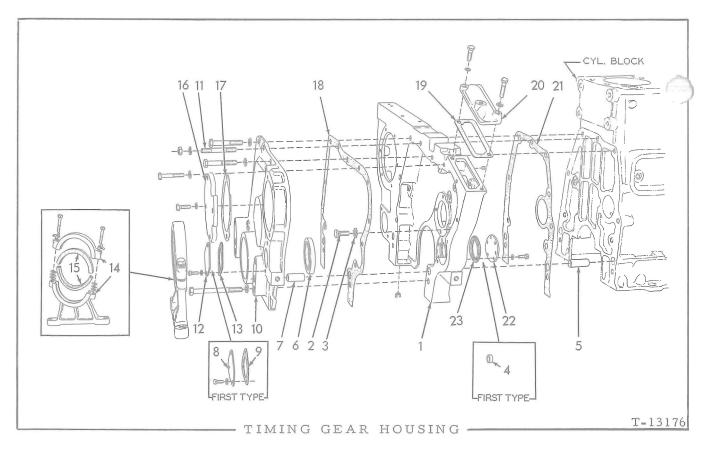
(Continued)

## CYLINDER BLOCK (Continued)

|                       | CILINDER BLOCK (Continued)   |
|-----------------------|--|
| ITEM PART NO.         | QTY.<br>* ** DESCRIPTION   |
| 14                    | 6 - STUD, rear and intermediate main bearing cap (Order CAPSCREW 4339036)  |
| 4339036               | - 6 CAPSCREW, rear and intermediate main bearing cap (3/4"NC x 4-5/16"   |
| 17 4362338            | l 1 PLUG, crankcase  |
| 18                    | 1 1 ADAPTOR (See ENGINE OIL LEVEL GAUGE)   |
| 19 4336432            | - l PIN, dowel, cylinder head  |
| 20 4254624            | 1 1 GO-RING, camshaft hole plug (Effective with engine #6-8590)  |
| 21 917724             | l - PLUG, expansion, 2-3/4" diam. (Used prior to engine #6-8590)   |
| 4335534               | 1 PLUG, camshaft hole (Effective with engine #6-8590)  |
| 22                    | <ul> <li>NUT, cap, oil pressure regulating valve (Not used with SCREW 4389058)</li> <li>(Order item 23)</li> </ul> |
| 23 (                  | 1 - SCREW, oil pump regulating valve (Order SCREW 4389058)   |
| 4389058               | - 1 SCREW, oil pressure regulating valve   |
| 910847                | 1 1 NUT, jam, 3/4"NF   |
| 24 4113897            | 2 - GASKET, regulating valve nut   |
| 25 4660358            | l   SPRING, oil pressure regulating valve  |
| 26 4500230            | l l PISTON, oil pressure regulating valve  |
| 27 4347465            | l I INSERT, oil pressure regulating valve seat   |
| 28 4347061            | l - RESTRICTOR, oil passage (l additional used prior to engine #86596)   |
| 29 ( 4346184          | 8 - O-RING, cylinder sleeve (black)  |
| 4337972               | - 8 □O-RING, cylinder sleeve (red)   |
| 30 {                  | 4 - SLEEVE, cylinder (Order SLEEVE 4337971 and O-RING 4337972)   |
| 4337971               | - 4 USLEEVE, cylinder  |
| 4348857               | SHIM, cylinder sleeve (.005" thick)  |
| 4348859               | SHIM, cylinder sleeve (.010" thick)  Use as required when block is remachined to                                   |
| 4348858               | SHIM, cylinder sleeve (.015" thick) correct sinking of sleeve.   |
| 4348900               | SHIM, cylinder sleeve (.020" thick)  |
| 32 4313015<br>4337224 | - l PLATE, cover, oil drain hole<br>- 2 STUD   |
| 910123<br>904206      | - 2 NUT, 3/8"NF<br>- 2 LOCKWASHER, 3/8"  |
| 33 4362458            | - 1 GASKET, oil drain hole cover   |
|                       | DAlso see PACKAGED PARTS   |
|                       |  |



| ITEM | PART NO.                | QTY. | DESCRIPTION   |
|------|-------------------------|------|---|
| 1    | 4348077                 | 4    | UPISTON   |
| 2    | 4347281                 | 4    | L'PIN, piston   |
| 3    | 4254608                 | 8    | ☐ RETAINER, piston pin  |
| 4    | 4347458                 | 4    | RING, compression (top groove)(See item 13)                         |
| 5    | 4347235                 | 8    | RING, compression (2nd and 3rd grooves)(See item 13)                |
| 6    | see see see see see see | 4    | RING, oil control (4th groove)(Order item 13)                       |
| 7    | 4336190                 | 4    | RING, oil control (5th groove)(See item 13)                         |
| 8    | 4348451                 | 4    | ROD ASSEMBLY, connecting (Includes items 9 thru 11)                 |
| 9    | 4340081                 | 4    | BUSHING, connecting rod   |
| 10   | 4339182                 | 8    | BOLT, connecting rod  |
| 11   | 4354180                 | 8    | NUT, connecting rod bolt  |
|      | 4337701                 | 8    | BEARING, connecting rod (standard size)                             |
|      | 4337702                 | 8    | BEARING, connecting rod (.010" undersize)                           |
| 12 < | 4337703                 | 8    | BEARING, connecting rod (.020" undersize)                           |
|      | 4337704                 | 8    | BEARING, connecting rod (.030" undersize)                           |
|      | 4337705                 | 8    | BEARING, connecting rod (.040" undersize)                           |
| 13   | 4336408                 | 4    | CIRING SET (Includes parts for one (1) piston only; items 4 thru 7) |
|      |                         |      | □Also see PACKAGED PARTS  |



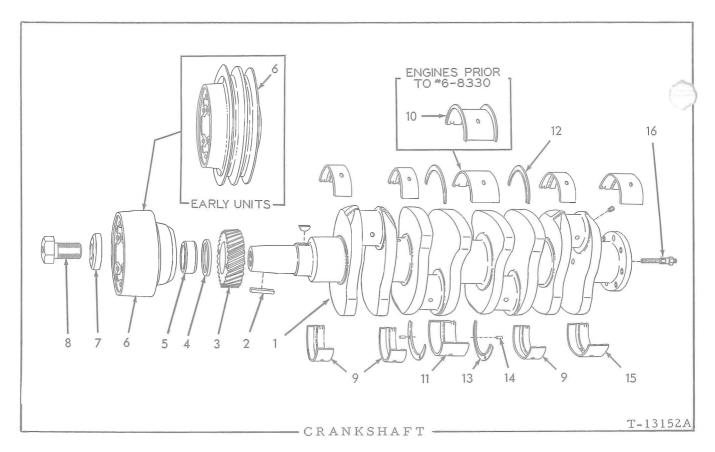
\* Used prior to engine serial No. 6-9225 \*\* Effective with engine serial No. 6-9225

| ITEM | PART NO.                     |             | ΓΥ.<br>**   | DESCRIPTION  |
|------|------------------------------|-------------|-------------|--|
|      | 901652                       | 1<br>1      | -           | HOUSING ASSEMBLY (Order HOUSING 4337228 and items 22 and 23) PLUG, pipe, sq-hd., 1/4"NPT (Used prior to engine #94742)   |
| 1 {  | 4337228<br>919134<br>917970  | pen<br>pen  | 1<br>1<br>1 | HOUSING ASSEMBLY (Order HOUSING 4337228 and items 22 and 23) PLUG, pipe, sq-hd., 1/4"NPT (Used prior to engine #94742)  HOUSING PLUG, pipe, hex-hd., 1/8"NPT PLUG, pipe, hex-socket, 1/2"NPT |
| 2 3  | 907856<br>4004054<br>4253490 | 1<br>3<br>3 | 1<br>3<br>3 | PLUG, pipe, ctsk-hd., 3/8"NPT (Effective with engine #94742) CAPSCREW, 1/2"NC x 1-1/16" LOCKWASHER   |
| 4    | 4253924                      | 1           | -           | PLUG, cup (3/4"O.D.)   |
| 5    | 4346246                      | 2           | 2           | PIN, dowel, timing gear housing  |
|      |                              | 1           | 1           | SEAL, oil, crankshaft (2-1/2"I.D.)(Original equipment. Order SEAL 4338507)   |
| 6 {  | 4338507                      | 1           | 1           | SEAL, oil crankshaft (2-7/32"I.D.)(Service replacement. This seal operates directly off the crankshaft and eliminates the need for SPACER 4374391 and SLEEVE 4374390)                        |
| 7    | 4348107                      | 2           | 2           | PIN, dowel, timing gear cover  |
| 8    | 4348285<br>916277<br>917330  | 1<br>3<br>3 | -           | PLATE, timing gear cover CAPSCREW, 5/16"NC x 5/8" WASHER, plain, copper, 5/16"   |

(Continued)

#### TIMING GEAR HOUSING (Continued)

```
QTY.
ITEM PART NO.
                       ** DESCRIPTION
        4376605
                        - DGASKET, cover plate
                           COVER ASSEMBLY, timing gear housing (Order COVER ASSY. 4335631,
                              items 12 and 13 and 2 CAPSCREW 916274)
  10
        4335631
                           COVER ASSEMBLY, timing gear housing (Includes item 7)
         915969
                    3
                        3
                                 CAPSCREW, 1/2"NC x 3"
                                 CAPSCREW, 1/2"NC x 3-1/2"
CAPSCREW, 1/2"NC x 4-3/4"
CAPSCREW, 3/8"NC x 1-7/8"
CAPSCREW, 3/8"NC x 2-1/4"
         916319
                    1
                        1
        919232
                    2
                        2
        919287
                    5
                        3
        916274
                        2
        904208
                    6
                                 LOCKWASHER, 1/2"
        904206
                    5
                        5
                                 LOCKWASHER, 3/8"
        915969
                           CAPSCREW, 1/2"NC x 3" (Used prior to engine #6-8590)
         908191
                                 WASHER, plain, copper, 1/2"
  11
        4335371
                    1
                        1
                           STUD, timing gear housing (Effective with engine #6-8590)
        904208
                    1
                                 LOCKWASHER, 1/2'
                        1
        910195
                    1
                                 NUT, 1/2"NF
                        1
  12
        4335711
                        1
                           PLATE, timing gear cover
  13
        4335712
                           GASKET, cover plate
  14
        4335067
                    1
                        1
                           BRACKET, engine mounting (Includes cap)
                                 WASHER, shimming (1/32" thick)
        916009
                      10
                   10
                                 CAPSCREW, 1/2"NC x 2-1/2"
        4254891
                    2
                        2
                    2
                        2
        4335550
                                 LOCKWASHER
        4364864
                           LINER, engine mounting bracket (rubber)
                    2
  16
        4348310
                    1
                        1
                           PLATE, cover, injection pump driving gear (Used prior to engine
                               \#6-10368
                                 CAPSCREW, 3/8"NC \times 7/8"
        916269
                    4
                        4
        904206
                        4
                                 LOCKWASHER, 3/8"
                    4
  17
        4349011
                    1
                        1 □GASKET, cover plate (Used prior to engine #6-10368)
                        1 □GASKET, timing gear housing cover
  18
        4348126
                    1
  19
        4347120
                        l □GASKET, timing hole cover
                           COVER, fuel pump timing hole (Used prior to engine #6-12757)
         4347119
                    1
  20
        4336524
                            COVER, fuel pump timing hole (Effective with engine #6-12757)
                        1
         919225
                    2
                        2
                                 CAPSCREW, 3/8"NC x 1-3/8" (1 less used effective with engine
                                    #6 - 12757)
                                 CAPSCREW, 3/8"NC x 1-7/8" (Effective with engine #6-12757)
        915635
                                 LOCKWASHER, 3/8"
        904206
                    2
                        2
                        1 □GASKET, timing gear housing
  2.1
        4348136
                    1
  22
        4336346
                        1
                           COVER, timing gear housing
                                 CAPSCREW, 5/16"NC x 5/8"
         916277
                        6
        917330
                                 WASHER, plain, copper, 5/16"
  23
                        1 GASKET, housing cover
        4336345
                          □ Also see PACKAGED PARTS
```

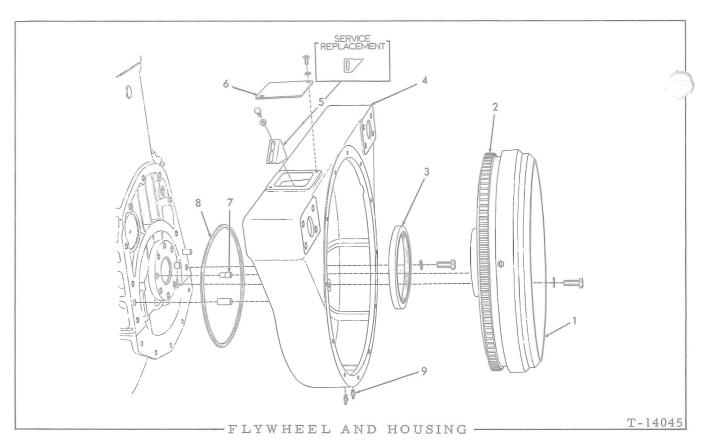


\* Used prior to engine serial No. 6-8330 \*\* Effective with engine serial No. 6-8330

|      |   | Q' | ΓY.         |  |  |
|------|---|----|-------------|--|--|
| ITEM | PART NO.  | 岑  | **          | DESCRIPTION  |  |
| 1    | 4337677<br>910231<br>919840                         |    | 1<br>4<br>1 | CRANKSHAFT ASSEMBLY (Includes PLUGS indented below) PLUG, pipe, hex-socket, 1/8"NPT PLUG, pipe, hex-head, 1/4"NPT (For shipping only)  |  |
| 2    | 4003490   | 1  | 1           | KEY, crankshaft pulley   |  |
| 3    | 4346205<br>905127                                   |    | 1           | GEAR, crankshaft<br>KEY, "B" woodruff, 5/16" x 1"  |  |
| 4    | 4374391   | 1  | 1           | SPACER, front oil seal sleeve  |  |
| 5    | 4374390   | 1  | 1           | SLEEVE, front oil seal   |  |
| , 5  | 4348437   | 1  | 1           | PULLEY, crankshaft (Used prior to engine #6-10368)   |  |
| ۰ /  | 4349683   | -  | 1           | HUB, power take-off (Effective with engine #6-10368)   |  |
| 7    | 4371503   | 1  | 1           | WASHER, crankshaft pulley bolt   |  |
| 8    | 4347897   | 1  | 1           | CAPSCREW, crankshaft pulley  |  |
| 9    | 4337710<br>4337711<br>4337712<br>4337713<br>4337714 | 6  | 6 6 6 6     | BEARING, front and intermediate main (standard size) BEARING, front and intermediate main (.010" undersize) BEARING, front and intermediate main (.020" undersize) BEARING, front and intermediate main (.030" undersize) BEARING, front and intermediate main (.040" undersize) |  |

#### CRANKSHAFT (Continued)

```
QTY.
ITEM PART NO.
                   * ** DESCRIPTION
        4337062
                   2
                         BEARING, center main (standard size)
        4337063
                   2
                         BEARING, center main (.010" undersize)
                   2
                         BEARING, center main (.020" undersize)
        4337064
                         BEARING, center main (.030" undersize)
                   2
        4337065
                      - BEARING, center main (.040" undersize)
        4337066
                   2
        4337735
                      1 BEARING KIT, center main (standard size)
        4337736
                     1 BEARING KIT, center main (.010" undersize)
                     l BEARING KIT, center main (.020" undersize)
        4337737
  11
                     1 BEARING KIT, center main (.030" undersize)
        4337738
                     1 BEARING KIT, center main (.040" undersize)
                         NOTE: Each Bearing Kit listed above includes
                                 upper and lower bearings, set of stand-
                                 ard thrust flanges and dowel pins.
        4337683
                         FLANGE, thrust, center main, upper (standard size)
                      2
                         FLANGE, thrust, center main, upper (.005" oversize)
        4337684
                         FLANGE, thrust, center main, upper (.010" oversize)
        4337685
                      2
                        FLANGE, thrust, center main, upper (.015" oversize)
        4337686
        4337687
                        FLANGE, thrust, center main, lower (standard size)
        4337688
                        FLANGE, thrust, center main, lower (.005" oversize)
  13
        4337689
                        FLANGE, thrust, center main, lower (.010" oversize)
        4337690
                        FLANGE, thrust, center main, lower (.015" oversize)
  14
        4250898
                      4 PIN, dowel, thrust flange
                      2 BEARING, rear main (standard size)
                   2
        4337698
        4337699
                   2
                     2 BEARING, rear main (.010" undersize)
                     2 BEARING, rear main (.020" undersize)
  15
        4337700
                   2
        4337715
                   2
                     2 BEARING, rear main (.030" undersize)
        4337716
                      2 BEARING, rear main (.040" undersize)
  16
        084584
                   1 1 WICK ASSEMBLY, oiling, flywheel bearing (Serviced only as a unit)
```

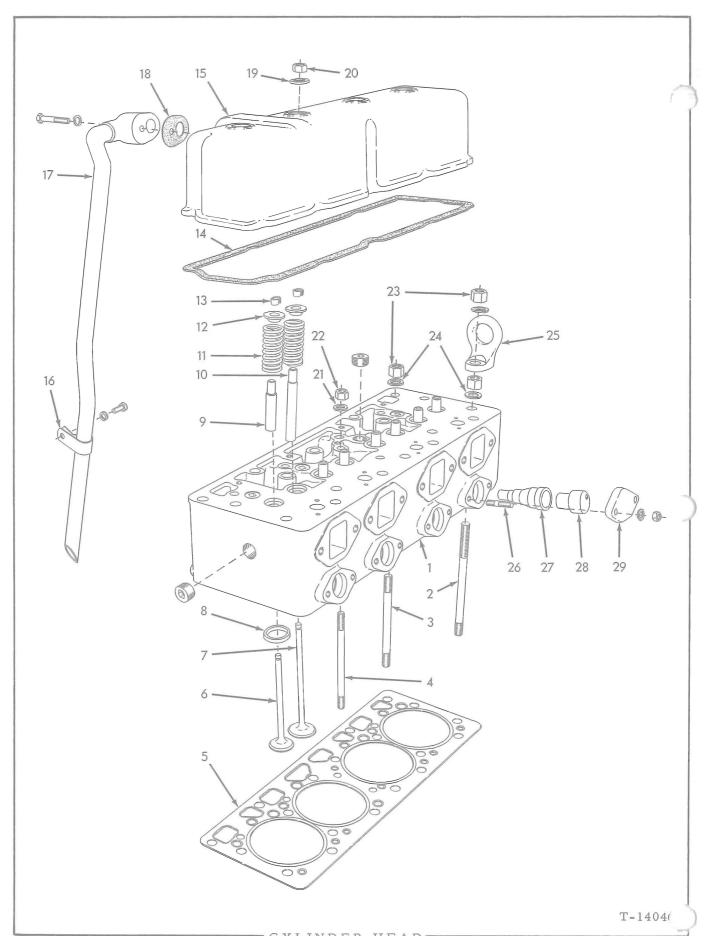


| ITEM<br>1    | PART NO. 4338557 4255343 904208 | QTY.<br>1<br>6<br>6 | DESCRIPTION  FLYWHEEL ASSY. (Includes item 2)  BOLT, heat-treated, 1/2"NF x 1-1/4"  LOCKWASHER, 1/2"    |
|--------------|---------------------------------|---------------------|---|
| 2            | 4341292                         | 1                   | GEAR, ring  |
| 2A           | 4027282                         | 1                   | SLEEVE, wear (Provides new seal surface for worn flywheels.<br>Requires use of larger oil SEAL 4027280) |
| 2            |                                 | 1                   | SEAL, oil, crankshaft rear end (5-3/8"I.D.)(Original equipment.<br>Order SEAL 4027280 and item 2A)      |
| 5            | 4027280                         | 1                   | SEAL, oil, crankshaft rear end (5-1/2"I.D.)(Service replacement. Used with item 2A only)                |
| 4            |                                 | 1                   | HOUSING, flywheel (Original equipment. Order HOUSING 4336647, COVER 4336604 and POINTER 4336609)        |
| (            | 4336647                         | 1                   | HOUSING, flywheel (Service replacement)   |
|              | 917021<br>916311<br>904208      | 2<br>9<br>9         | PIN, dowel, 1/2" x 1" CAPSCREW, 1/2"NC x 1-1/4" LOCKWASHER, 1/2"  |
| <sub>5</sub> | 4348410                         | 1                   | POINTER, timing (Original equipment)  |
| 2 \          | 4336609                         | 1                   | POINTER, timing (Service replacement only)  |
|              | 916284<br>904204                | 2<br>2              | CAPSCREW, 1/4"NC x 1/2"<br>LOCKWASHER, 1/4"   |

(Continued)

## FLYWHEEL AND HOUSING (Continued)

|  | ITEM : | PART NO.         | QTY.   | DESCRIPTION  |
|--|--------|------------------|--------|--|
|  |        | 4348253          | 1      | COVER, flywheel housing timing hole $(3-1/2" \times 4")$ (Original equipment)      |
|  |        | 4336604          |        | COVER, flywheel housing timing hole (4" $\times$ 4-1/2")(Service replacement only) |
|  |        | 916284<br>904204 | 2<br>2 | CAPSCREW, 1/4"NC x 1/2"<br>LOCKWASHER, 1/4"  |
|  | 7      | 4500300          | 2      | DOWEL, flywheel to crankshaft  |
|  | 8      | 4336897          | 1      | $\square$ RING, sealing, flywheel housing to crankcase                             |
|  | 9      | 4336771          | 2      | PLUG ASSEMBLY, drain (Includes cotter pin)   |
|  |        |                  |        | □ Also see PACKAGED PARTS  |



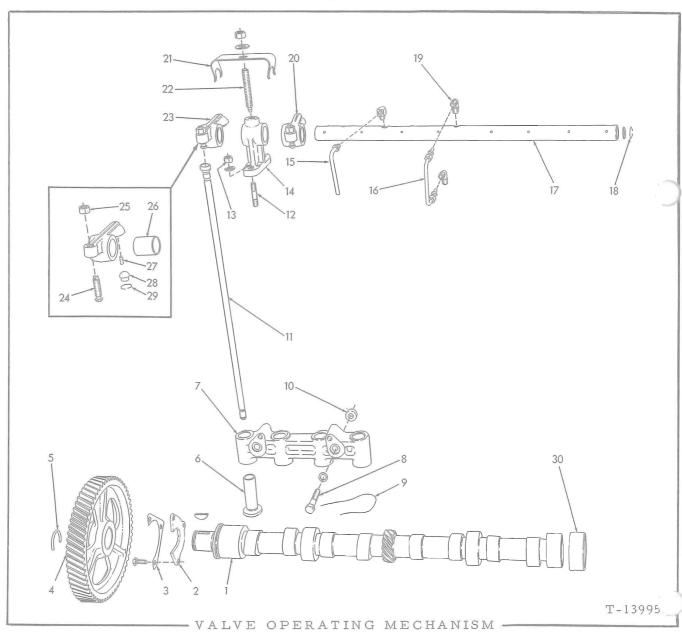
-CYLINDER HEAD-

#### CYLINDER HEAD

| ITEM | PART NO.                              | QTY.        | DESCRIPTION   |
|------|---------------------------------------|-------------|---|
| 7    | 4349891                               | 1           | HEAD ASSEMBLY, cylinder (Includes items 8, 9, 10 and PLUGS in-  |
| 1    | 918851                                | 6           | dented below) PLUG, pipe, hex-socket, 3/4"NPT   |
| 2    | 4372733                               | 2           | STUD, cylinder head (5/8" x 9-7/16")  |
| 3    | 4347435                               | 17          | STUD, cylinder head (5/8" x 8")   |
| 4    | 4372724                               | 5           | STUD, cylinder head $(1/2" \times 7-5/8")$  |
| 5    | 4349883                               | 1           | □GASKET, cylinder head  |
| 6    | 4348090                               | 4           | VALVE, exhaust  |
| 7    | 4348079                               | 4           | VALVE, intake   |
| . )  | 4346146                               | 4           | INSERT, exhaust valve seat (standard size)  |
| 0    | 4337215                               | 4           | INSERT, exhaust valve seat (.005" oversize)   |
| 9    | 4346093                               | 4           | GUIDE, exhaust valve  |
| 10   | 4346092                               | 4           | GUIDE, intake valve   |
| 11   | 4345412                               | 8           | SPRING, valve   |
| 12   | 4343799                               | 8           | RETAINER, valve spring  |
| 13   | 4347270                               | 16          | LOCK, valve spring retainer (half only)   |
| 14   | 4348772                               | 1           | □GASKET, rocker cover   |
| 15   | 4348021                               | 1           | COVER, rocker   |
| 16   | 4253771<br>903629<br>904206           | 1<br>1<br>1 | CLAMP, breather tube supporting CAPSCREW, 3/8"NC x 3/4" LOCKWASHER, 3/8"  |
| 17   | 4349634<br>904281<br>903633<br>904206 | 1<br>1<br>1 | TUBE, breather  CAPSCREW, 3/8"NC x 2-1/4" (Used prior to engine #96571)  CAPSCREW, 3/8"NC x 1-3/4" (Effective with engine #96571)  LOCKWASHER, 3/8" |
| 18   | 4348133                               | 1           | □GASKET, breather tube  |
| 19 ( | 4364131                               | 4           | WASHER, sealing, rocker cover nut (rubber)(Used prior to engine #6-9569)  |
| - /  | 4375938                               | 4           | WASHER, sealing, rocker cover nut (Dynaseal)(Effective with engine #6-9569)   |
| 20   | 910986 906985                         | 4           | NUT, rocker cover (Used prior to engine #6-9569) WASHER, plain, U. S. std., 7/16"   |
|      | 4375937                               | 4           | NUT, rocker cover (Nylok)(Effective with engine #6-9569)  |
| 21   | 4372864                               | 5           | WASHER, cylinder head nut (For 1/2" stud)   |
| 22   | 4366781                               | 5           | NUT, cylinder head stud (1/2"NF)  |
| _)   |                                       |             | □Also see PACKAGED PARTS  |
|      |                                       |             | (Continued)   |

## CYLINDER HEAD (Continued)

| ITEM | PART NO.                    | QTY.        | DESCRIPTION   |     |
|------|-----------------------------|-------------|---|-----|
| 23   | 4366780                     | 21          | NUT, cylinder head stud (5/8"NF)  | 9   |
| 24   | 4372863                     | 19          | WASHER, cylinder head nut (for 5/8" stud)                               | J.  |
| 25   | 4348243<br>904209           | 2<br>2      | EYE, engine lifting LOCKWASHER, 5/8"                                    |     |
| 26   | 4335573<br>904206<br>910123 | 8<br>8<br>8 | STUD, energy cell clamp<br>LOCKWASHER, 3/8"<br>NUT, 3/8"NF              |     |
| 27   | 4345658                     | 4           | CELL ASSEMBLY, energy (Includes orifice and pin. Serviced or as a unit) | nly |
| 28   | 4341123                     | 4           | PLUG, energy cell   |     |
| 29   | 4346543                     | 4           | RETAINER, energy cell   |     |

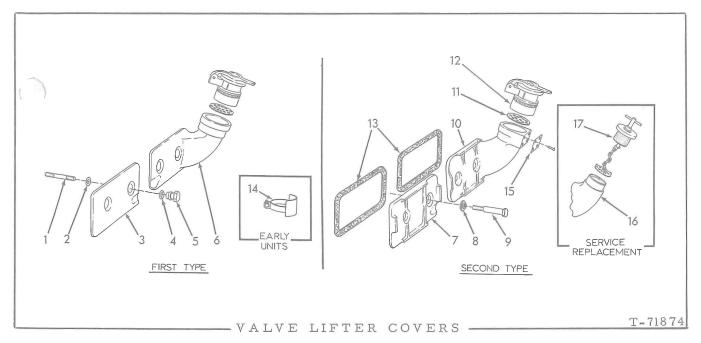


#### VALVE OPERATING MECHANISM

| ITEM        | PART NO.                                | QTY.             | DESCRIPTION   |  |
|-------------|---|------------------|---|--|
| 1           | 4348049<br>905126                       | 1<br>1           | CAMSHAFT<br>KEY, #5 woodruff, 1/4" x 1"   |  |
| 2           | 4349257<br>905661                       | 1<br>3           | COLLAR, camshaft thrust CAPSCREW, 5/16"NC x 5/8"  |  |
| 3           | 4025391                                 | 1                | PLATE, capscrew locking   |  |
| 4           | 4346206                                 | 1                | GEAR, camshaft  |  |
| 5           | 4346307                                 | 1                | RING, snap, gear retaining  |  |
| 6           | 4338299                                 | 8                | LIFTER, valve   |  |
| 7<br>8<br>9 | 4348074<br>4335548<br>904206<br>4348964 | 2<br>4<br>4<br>4 | BRACKET, valve lifter  CAPSCREW, drilled-hd., 3/8"NC x 1-7/8"  LOCKWASHER, 3/8"  WIRE, locking (Effective with engine #6-8590)  |  |
| 10          | 4347832                                 | 4                | DOWEL, hollow, valve lifter bracket   |  |
| 11          | 4346209                                 | 8                | ROD, push   |  |
| 12<br>13    | 4506946<br>904206<br>4348440            | 8<br>8<br>8      | STUD, rocker shaft bracket (3/8"NC x 3/8"NF x 1-9/16") LOCKWASHER, 3/8" NUT, 3/8"NF   |  |
| 14          | 4335057                                 | 4                | BRACKET, rocker shaft   |  |
| 15          | 915279<br>912065<br>912588              | 1<br>1<br>1      | TUBE, rocker shaft drain (Used prior to engine #76877. Order TUBE 4349157 and ELBOW 913040)  ELBOW, compression, 3/8" tube, 1/4"NPT male NUT, compression fitting, 3/8" tube SLEEVE, compression fitting, 3/8" tube |  |
|             | 4349157<br>913040                       | 1                | TUBE ASSEMBLY, rocker shaft drain (Includes nut)(Effective with engine #76877)  ELBOW, inverted flare, 90°, 1/4" tube, 1/4"NPT male   |  |
| 16          | 4348452<br>911437<br>911435<br>911017   | 1<br>2<br>2<br>1 | TUBE, oil, rocker shaft  NUT, compression fitting, 1/4" tube  SLEEVE, compression fitting, 1/4" tube  ELBOW, compression, 1/4" tube, 1/8"NPT male   |  |
| 17          | 4348917<br>910002                       | 1<br>2           | SHAFT ASSEMBLY, rocker arm (Includes 910002 PLUGS and item 18) PLUG, expansion, 3/4" diam.  |  |
| 18          | 4254363                                 | 2                | RING, snap, rocker shaft (Effective with engine #10586)   |  |
| 19          | 911017                                  | 1                | ELBOW, compression, 1/4" tube, 1/8"NPT male (Used prior to engine #86596)   |  |
| 19          | 4335381                                 | 1                | ELBOW, rocker shaft oil tube (restricted)(Effective with engine #86596)   |  |
| 20          | 4346018                                 | 4                | ARM ASSEMBLY, rocker, exhaust valve (Includes items 24 thru 29)   |  |
| 21          | 4338143                                 | 4                | CLIP, spring, rocker arm retaining  |  |

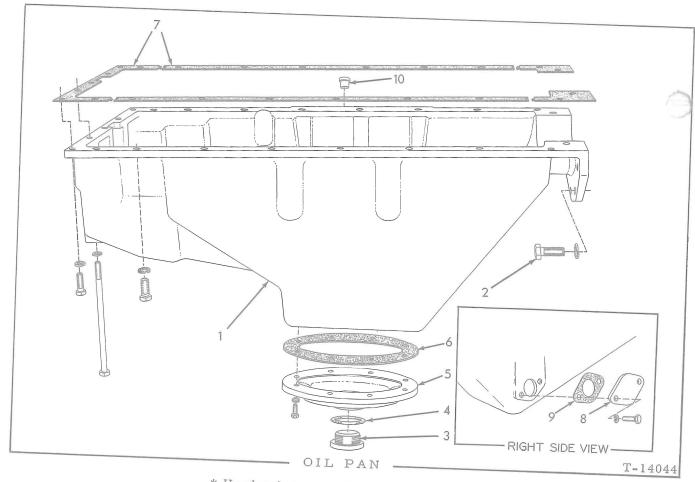
# VALVE OPERATING MECHANISM (Continued)

| ITEM | PART NO.                      | QTY.   | DESCRIPTION  |
|------|-------------------------------|--------|--|
| 22 { | 4348130                       | 1      | SCREW, rocker shaft retaining (3" long, dog-pt.)               |
| 22   | 4348129                       | 3      | STUD, rocker arm retaining clip (2-5/8" long)                  |
|      | 912298<br>910986              | 4<br>4 | WASHER, plain, SAE std., 7/16"<br>NUT, 7/16"NF                 |
| 23   | 4346017                       | 4      | ARM ASSEMBLY, rocker, intake valve (Includes items 24 thru 29) |
| 24   | 4304051                       | 8      | SCREW, valve lash adjustment                                   |
| 25   | 4348440                       | 8      | NUT, valve lash adjustment screw                               |
| 26   | 4660369                       | 8      | BUSHING, rocker arm  |
| 27   | 4364422                       | 8      | WICK, oiling, rocker ball                                      |
| 28   | 4661329                       | 8      | BALL, rocker arm   |
| 29   | 4661328                       | 8      | RETAINER, rocker arm ball                                      |
| 30   | 140 Gro Gro Gro Edit Edit See | -      | BEARING, camshaft (See CYLINDER BLOCK)                         |



\* Engines prior to serial No. 6-8663 \* Original Equipment \*\* Engines serial No. 6-8663 and up \*\* Service Replacement only

|      |                   | OT     | T A NTT    | TCT 37   | *** Service Replacement only                             |
|------|-------------------|--------|------------|----------|--|
| ITEM | PART NO.          | *      | JANT<br>** | ***      | DESCRIPTION  |
| 1    | 4346653           | 4      | -          | -        | STUD, valve lifter cover                                 |
| 2    | 4253520           | 4      | 019        | -        | RING, snap, valve lifter cover nut                       |
| 3    |                   | 1      | 60         | -        | COVER, valve lifter, front (Order items 7,8 and 9)       |
| 4    | 4251987           | 4      | 640        | -        | RING, sealing, valve lifter cover nut                    |
| 5    | 4347126           | 4      | -          | -        | NUT, valve lifter cover                                  |
| 6    |                   | 1      | -          | -        | COVER, valve lifter, rear (Order items 8, 9, 16 and 17)  |
| 7    | 4348912           | 60     | 1          | -        | COVER, valve lifter, front                               |
| 8    | 4335456           | -      | 4          | -        | WASHER, sealing, cover attaching bolt                    |
| 9    | 4335455           | -      | 4          | -        | BOLT, cover attaching                                    |
| 10   |                   | -      | 1          | -        | COVER, valve lifter rear (Order items 16 and 17)         |
| 11   | 4335022           | 1      | 1          | -        | STRAINER, oil filler                                     |
| 12   | 4366461           | 1      | 1          | -        | CAP ASSEMBLY, oil filler (Serviced only as a unit)       |
| 13   | 4337769           | -      | 2          | -        | □GASKET, valve lifter cover                              |
| 14   | 4379291           | 1      | 1          | -        | PLATE AND STRAP ASSEMBLY, oil data (First type)          |
| 15   | 4379141<br>904516 | 1<br>4 | 1<br>4     | en<br>en | PLATE, oil data (Second type)<br>SCREW, drive, #6 x 1/4" |
| 16   | 4338675           | e**    | -          | ]        | COVER, rear (Requires CLOSURE ASSY. 4386863)             |
| 17   | 4386863           | -      | -          | 1        | CLOSURE ASSEMBLY, oil filler (Serviced only as a unit)   |
| )    |                   |        |            |          | Dalso see PACKAGED PARTS                                 |



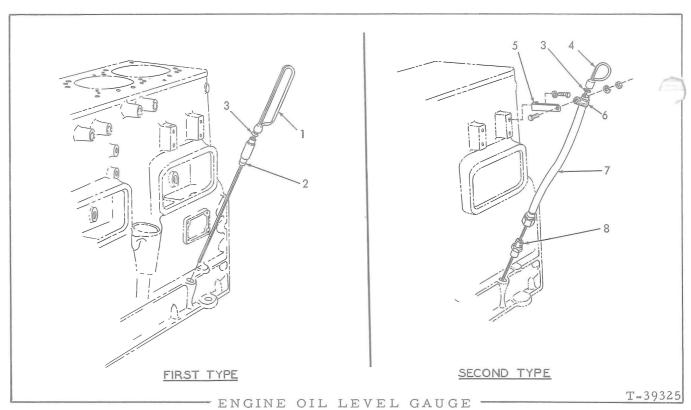
\* Used prior to engine serial No. 6-7597 \*\* Effective with engine serial No. 6-7597

QTY. ITEM PART NO. 米 水水 DESCRIPTION PAN, oil (Order 1 each PAN ASSEMBLY 4338738, PIPE 4348842, RETAINER 4348682, SCREEN 4348683, COVER 4348684, BRACKET 4348686, GAUGE ASSEMBLY 4349714, GASKET 4371289, COVER 4374211, 2 each CAPSCREW 4311869, 1 CAPSCREW 4349375, CAPSCREW 4374129, 4 WIRE 4509035, 8 LOCKWASHER 904206, 12 CAPSCREW 4346483 and 31 CAPSCREW 910211) 4338738 PAN ASSEMBLY, oil (Includes items 8 thru 10) 2 920539 5 CAPSCREW, Nylok, 3/8"NC x 1" 910211 23 18 CAPSCREW, 3/8"NC x 1-1/8" 914392 CAPSCREW, 5/16"NC x 1" 2 918587 3 CAPSCREW, 5/16"NC x 6-3/4" 904206 23 23 LOCKWASHER, 3/8" 904205 5 LOCKWASHER, 5/16" 3 035250 1 l PLUG, oil drain 4 l □GASKET, cil drain plug 035249 5 4374221 1 COVER, clean-out 910211 CAPSCREW, 3/8"NC x 1-1/8" 8 904206 8 LOCKWASHER, 3/8" 6 4371289 l□GASKET, clean-out cover DAlso see PACKAGED PARTS

(Continued)

## OIL PAN (Continued)

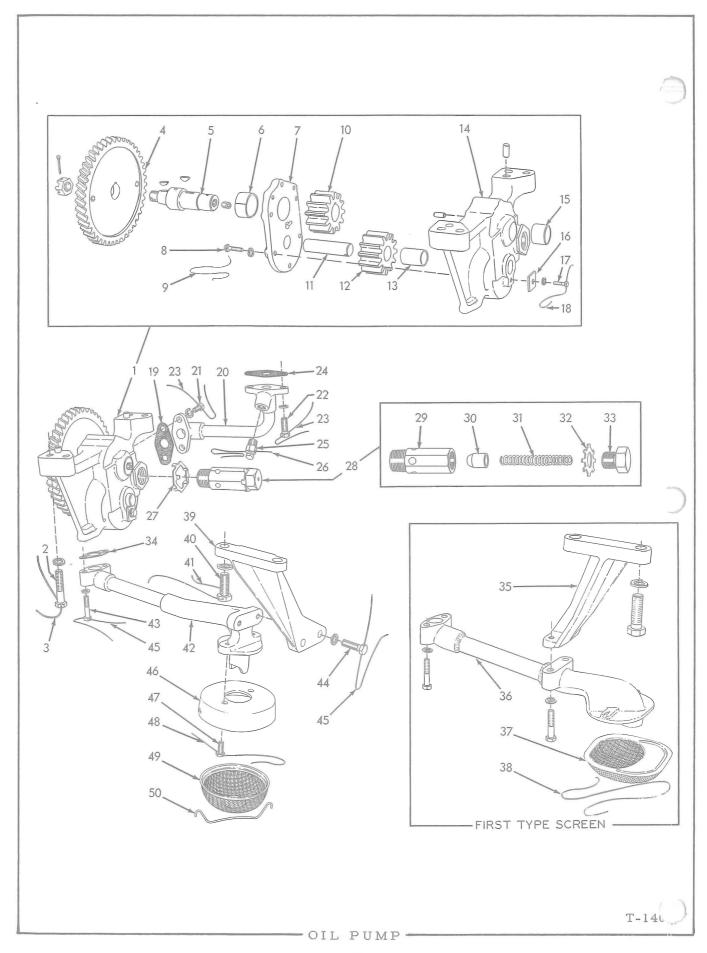
|      |                             | OTY               |  |                            |
|------|-----------------------------|-------------------|--|----------------------------|
| ITEI | M PART NO.                  | * **              |  |                            |
| 7    | 4348142                     | 1 1               | GASKET SET, oil pan (5 pieces)                             |                            |
|      | 4337741<br>915408<br>904206 | - 1<br>- 2<br>- 2 | COVER, side<br>CAPSCREW, 3/8"NC x 3/4"<br>LOCKWASHER, 3/8" | Not original equipment.    |
| 9    | 621516                      | - 1               | GASKET, side cover   | Furnished with service re- |
| 10   | 4362338                     | - 1               | PLUG, dipstick hole  | placement oil pans only    |



\* Engines prior to serial No. 6-12486 \*\* Engines serial Nc. 6-12486 and up

|      |                                      | O   | ΓY.         |   |
|------|--------------------------------------|-----|-------------|---|
| ITEM | PART NO.                             |     | **          | DESCRIPTION   |
| , /  | 4348611                              | 1   | -           | GAUGE ASSEMBLY (Includes item 3)(Used prior to engine #6-75               |
| 1 /  | 4349714                              | 1   | -           | GAUGE ASSEMBLY (Includes item 3)(Effective with engine #6-7597)           |
| 2    | 4349037                              | 1   | -           | ADAPTOR, gauge  |
| 3    | 4506607                              | 1   | 1           | SEAL, oil level gauge   |
| 4    | 4349941                              |     | 1           | GAUGE ASSEMBLY (Includes item 3)  |
| 5    | 4349940<br>903771<br>904205          | -   | 1<br>1<br>1 | BRACKET, supporting gauge tube CAPSCREW, 5/16"NC x 7/8" LOCKWASHER, 5/16" |
| 6    | 918941<br>910922<br>904206<br>911041 | *** | 1<br>1<br>1 | THE VIEW AND REPORT OF  |
| 7    | 4349938                              |     | 1           | TUBE ASSEMBLY, gauge (Includes nut)                                       |
| 8    | 4349939                              | -   | 1           | ADAPTER, gauge  |

3.3



#### OIL PUMP

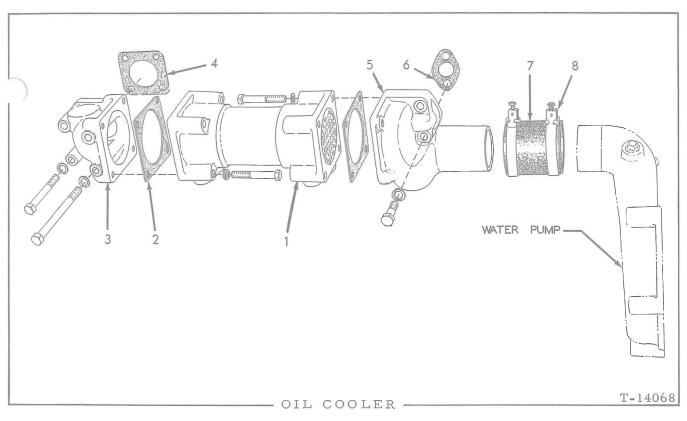
\* Used prior to engine serial No. 6-7597. \*\* Effective with engine serial No. 6-7597.

```
QTY.
    PART NO.
EM
                 *
                    水水
                        DESCRIPTION
 1
      4348886
                        PUMP ASSEMBLY, oil (Consists of items 4 thru 18)
                 1
                     1
                            CAPSCREW, 3/8"NC x 1-3/4"
      903633
                 4
 2
      4348692
                     4
                            CAPSCREW, drilled-hd., 3/8"NC x 1-3/4"
      904206
                 4
                     4
                            LOCKWASHER, 3/8"
 3
      4509035
                     2
                            WIRE, locking (#18 x 10")
 4
      4348352
                 1
                        GEAR, driving
 5
      4348894
                 1
                     1
                        SHAFT, upper
      910224
                 2
                     2
                            KEY, #6 woodruff, 5/32" x 5/8"
                            PIN, cotter, 1/8" x 1-1/4"
      900807
                 1
                     1
      910231
                            PLUG, pipe, hex-socket, 1/8"NPT
                 1
                     1
      912840
                            NUT, slotted, 5/8"NF
                 1
                     1
      4347659
 6
                 1
                     1
                        BUSHING, pump cover
 7
      4348044
                 1
                        COVER ASSEMBLY (Includes item 6)
                     6
 8
      4875601
                 6
                             CAPSCREW (drilled-hd., 1/4"NC x 7/8")
      904204
                 6
                     6
                             LOCKWASHER, 1/4"
 9
      4348691
                 3
                     3
                            WIRE, locking
      4348042
                 1
                        GEAR, upper (12 teeth) (Used prior to engine #6-9853)
      4348883
                        GEAR, upper (10 teeth) (Effective with engine #6-9853)
11
                        SHAFT, lower
      4348038
                     1
                 1
                        GEAR ASSEMBLY, lower (12 teeth. Includes item 13)(Used prior
      4348040
                           to engine #6-9853)
      4348891
                        GEAR ASSEMBLY, lower (10 teeth. Includes item 13)(Effective with
                           engine #6-9853)
13
      4348083
                 1
                     1
                        BUSHING, lower gear
14
      4348885
                        HOUSING ASSEMBLY (Includes item 15 and dowel PINS indented be-
                 1
                     1
                           low)(If first replacement on engine prior to serial No. 6-9853 also
                           order 1 GEAR ASSY. 4348891 and 1 GEAR 4348883)
      917554
                            PIN, dowel, 1/4" x 1/2"
                 1
                     1
      917546
                 2
                     2
                            PIN, dowel, 3/8" x 5/8"
15
      4348303
                 1
                        BUSHING, pump housing
16
      4348020
                        RETAINER, lower shaft
                  1
                     1
                             CAPSCREW, 1/4"NC x 1/2"
      905655
                 1
                             CAPS CREW, drilled-hd., 1/4"NC x 1/2"
17
      4349378
                     1
      904204
                 1
                     1
                             LOCKWASHER, 1/4"
18
      4348769
                     1
                             WIRE, locking (#18 x 4")
19
      4348215
                 1
                     l □GASKET, discharge pipe to pump
20
      4348834
                        PIPE, discharge
                     1
      903771
                 2
                             CAPSCREW, 5/16"NC x 7/8"
                     2
21
      4320227
                             CAPSCREW, drilled-hd., 5/16"NC x 7/8"
                 2
                     2
      904205
                             LOCKWASHER, 5/16"
                             CAPSCREW, 3/8"NC x !"
                 2
      903630
      4346483
                     2
                             CAPSCREW, drilled-hd., 3/8"NC x 1-1/4"
22
                 2
      904206
                     2
                             LOCKWASHER, 3/8"
      4509035
                 2
                             WIRE, locking (#18 x 10")
```

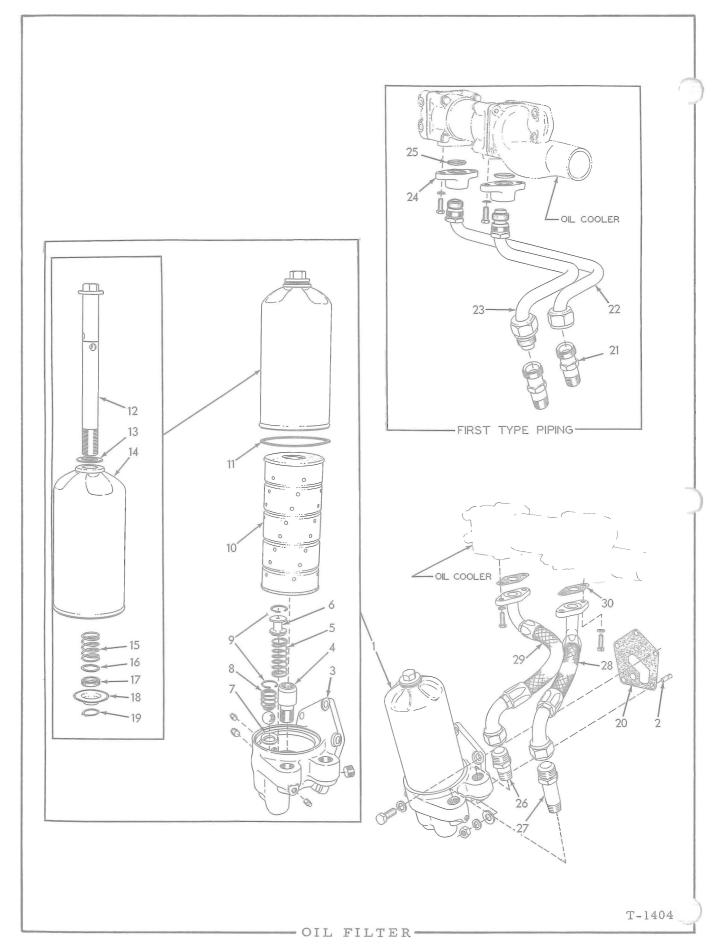
☐ Also see PACKAGED PARTS

#### OIL PUMP (Continued)

```
QTY.
ITEM
       PART NO.
                          DESCRIPTION
  24
        4346169
                       1 GASKET, discharge pipe to crankcase
  25
        4348485
                          PLUG ASSEMBLY, discharge pipe
                                                                       Used prior to en-
                                                                       gine #6-8537.
  26
        4348691
                          WIRE, locking, discharge pipe plug
                   1
  2.7
        4347938
                   1
                          LOCK, pressure relief valve body
                       1
  28
        4339204
                   1
                          VALVE ASSEMBLY, oil pressure relief (Consists of items 29 thru 33)
                       1
  29
                          BODY, pressure relief valve (Not serviced separately)
                          PISTON, pressure relief valve (Not serviced separately)
  30
         1
                       1
                          SPRING, pressure relief valve (2-57/64" long)(Original equipment.
                   1
                             Order SPRING 4339193 and CAP 4339203)
  31
        4339193
                   1
                          SPRING, pressure relief valve (3-3/64" long)(Service replacement)
  32
        4374564
                          WASHER, locking, relief valve cap
                   1
        4386525
                          CAP, pressure relief valve (Original equipment)
  33
         4339203
                          CAP, pressure relief valve (Use with service replacement SPRING
                             4339193 only)
  34
        4348218
                   1
                       1 GASKET, suction pipe to pressure pump
  35
        4348475
                    1
                          BRACKET, suction pipe supporting
                   2
                               CAPSCREW, 1/2"NC x 1-5/8"
        915636
        904208
                   2
                               LOCKWASHER, 1/2"
  36
        4348640
                   1
                          PIPE ASSEMBLY, suction (Includes items 37 and 38)
        917135
                   4
                               CAPSCREW, 5/16"NC x 1-5/8"
        904205
                   4
                               LOCKWASHER, 5/16"
  37
        4500270
                   1
                          SCREEN, oil
  38
        4335110
                    1
                          WIRE, oil screen retaining (1/16" x 18")
  39
        4348686
                       1
                          BRACKET, suction pipe supporting
  40
        4311869
                       2
                               CAPSCREW, drilled-hd., 1/2"NC x 1-1/4"
        904208
                       2
                               LOCKWASHER, 1/2"
  41
        4348689
                       1
                               WIRE, locking (#18 x 13")
  42
        4348842
                       1
                          PIPE, suction
                       2
                               CAPSCREW, drilled-hd., 5/16"NC x 1-5/8"
  43
        4349375
                       2
                               LOCKWASHER, 5/16"
        904205
                               CAPSCREW, drilled-hd., 3/8"NC x 1-1/4"
                       2
  44
        4346483
                               LOCKWASHER, 3/8"
        904206
                       2
        4509035
                       2
                               WIRE, locking (#18 x 10")
  45
  46
        4348684
                       1
                           COVER, oil screen
  47
        4374129
                               CAPSCREW, drilled-hd., 5/16"NC x 3/4"
  48
        4509035
                               WIRE, locking (#18 x 10")
  49
        4348683
                       1
                          SCREEN, oil
  50
        4348682
                          RETAINER, oil screen
                         DAlso see PACKAGED PARTS
```



| ITEM   | PART NO.                              | QTY.             | DESCRIPTION   |
|--------|---------------------------------------|------------------|---|
| 1      | 4336596<br>903635<br>904206           | 1<br>8<br>8      | COOLER, lubricating oil CAPSCREW, 3/8"NC x 2-1/2" LOCKWASHER, 3/8"                            |
| 2      | 4349984                               | 2 [              | GASKET, oil cooler  |
| 3      | 4348099<br>906695<br>906698<br>904206 | 1<br>2<br>2<br>4 | CONNECTION, water outlet CAPSCREW, 3/8"NC x 3-1/4" CAPSCREW, 3/8"NC x 4-3/4" LOCKWASHER, 3/8" |
| 4      | 4348184                               | 1 [              | GASKET, water outlet  |
| 5      | 4348100<br>903633<br>904206           | 1<br>2<br>2      | CONNECTOR, water inlet<br>CAPSCREW, 3/8"NC x 1-3/4"<br>LOCKWASHER, 3/8"                       |
| 6      | 4348185                               | 1 [              | GASKET, water inlet   |
| 7<br>8 | 4506737<br>4253922                    | 1<br>2           | HOSE, water pump to cooler CLAMP, hose  |
|        |                                       |                  | Also see PACKAGED PARTS   |



#### OIL FILTER

\* Used prior to engine serial No. 6-9154. \*\* Effective with engine serial No. 6-9154.

| -  |                                       |             |           | ** Effective with engine serial No. 6-9154.  |
|----|---------------------------------------|-------------|-----------|--|
| EM | PART NO.                              |             | Ϋ́.<br>** | DESCRIPTION  |
| 1  |                                       | 1           | 1         | FILTER ASSEMBLY, lubricating oil (Consists of items  |
|    | 903638                                | 3           | 3         | 3 thru 19)<br>CAPSCREW, 1/2"NC x 1-1/4"  |
|    | 912007                                | 2           | 2         | WASHER, plain, 1/2"I.D. x 7/8" O.D.  |
| 2  | 4348314                               | 2           | 2         | STUD (1/2"NC $\times$ 1/2"NF $\times$ 1-7/8")  |
|    | 904208                                | 5           | 5         | LOCKWASHER, 1/2"   |
|    | 910195                                | 2           | 2         | NUT, 1/2"NF  |
| 3  | 4348754                               | 1           | 1         | BASE ASSEMBLY (Includes items 4 thru 9 and hard-<br>ware indented below)   |
|    | 919134                                | 2           | 2         | PLUG, pipe, hex-hd., 1/8"NPT   |
|    | 919840                                | 1           | 1         | PLUG, pipe, hex-hd., 1/4"NPT   |
|    | 904223                                | 1           | I         | PLUG, pipe, ctsk-hd., 1/2"NPT  |
|    | 917015                                | 1           | 1         | BALL, steel, 7/8" diam.  |
| 4  | 4348636                               | 1           | 1         | ADAPTER, center bolt   |
| 5  | 4348087                               | 1           | 1         | SPRING, pressure relief valve  |
| 6  | 4348086                               | 1           | 1         | VALVE, pressure relief   |
| 7  | 4348580                               | 1           | 1         | INSERT, check valve seat (Effective with engine #89451)  |
| 8  | 4347190                               | 1           | 1         | SPRING, check valve  |
| 9  | 4253766                               | 2           | 2         | RING, snap, valve retaining  |
| )0 | 4348261                               | 1           | 1         | CARTRIDGE, oil filter (Includes item 11)   |
| 11 | 4506161                               | 1           | 1         | GASKET, oil filter body  |
| 12 | 4374735                               | 1           | 1         | BOLT, center   |
| 13 | 4041103                               | 1           | 1         | GASKET, filter center bolt   |
| 14 | 4348272                               | 1           | 1         | BODY, oil filter   |
| 15 | 4348267                               | 1           | 1         | SPRING, filter element   |
| 16 | 4348268                               | 1           | 1         | WASHER, filter element seal  |
| 17 | 4348270                               | 1           | 1         | SEAL, filter element   |
| 18 | 4348269                               | 1           | 1         | ADAPTER, filter element  |
| 19 | 4253195                               | 1           | 1         | RING, snap, filter center bolt   |
| 20 | 4349956                               | 1           | 1         | GASKET, filter to crankcase  |
| 21 | 4348311                               | 2           | -         | CONNECTOR, oil filter lines  |
| 22 | 4348465<br>918327<br>917741<br>918326 | 1<br>2<br>1 | -         | LINE, filter to cooler RING, Sealastic, 7/8" tube (Includes ferrule) NUT, Sealastic, male, 7/8" tube NUT, Sealastic, female, 7/8" tube |
| \  |                                       |             | С         | Also see PACKAGED PARTS  |

## OIL FILTER (Continued)

| ITEM | PART NO.                    | *   | **  | DESCRIPTION  |
|------|-----------------------------|-----|-----|--|
| 23   | 918327                      | 2   | -   | LINE, cooler to filter RING, Sealastic, 7/8" tube (Includes ferrule) NUT, Sealastic, male, 7/8" tube NUT, Sealastic, female, 7/8" tube |
| 24   | 4348279<br>910211<br>904206 | 4   | _   | FLANGE, oil cooler<br>CAPSCREW, 3/8"NC x 1-1/8"<br>LOCKWASHER, 3/8"  |
| 25   | 4253106                     | 2   | _ [ | O-RING, oil cooler flange  |
| 26   | 4349633                     | -   | 1   | ADAPTER, hose connecting, short  |
| 27   | 4348977                     | -   | 1   | ADAPTER, hose connecting, long   |
| 28   | 4348960<br>910211<br>904206 | -   |     | HOSE ASSEMBLY, cooler to filter (See page 6 for parts) CAPSCREW, 3/8"NC x 1-1/8" LOCKWASHER, 3/8"                                      |
| 29   |                             | *** | 2   | HOSE ASSEMBLY, filter to cooler (See page 6 for parts) CAPSCREW, 3/8"NC x 1-1/8" LOCKWASHER, 3/8"                                      |
| 30   | 4335577                     | •   | 2   | GASKET   |

 $\square$  Also see PACKAGED PARTS

## HEAVY-DUTY OIL FILTER

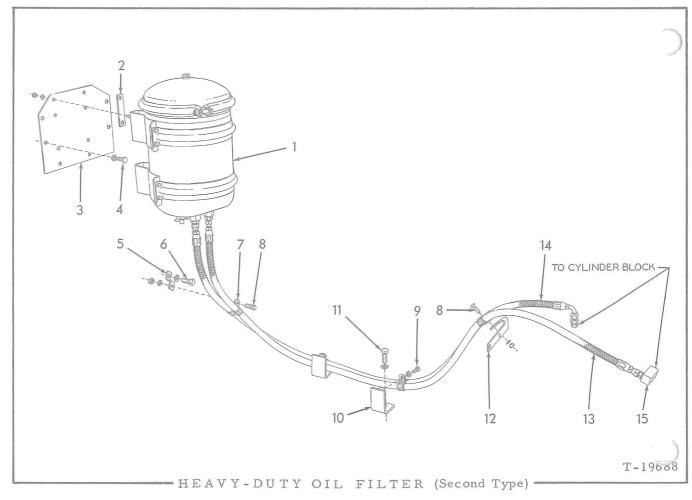
USAGE: Special Equipment. Supplements standard oil filter on tractors prior to serial No. 9157.

| ı M      | PART NO.                                       | оту.                  | DESCRIPTION   |
|----------|--|-----------------------|---|
| 1        | 082442<br>910167<br>092265<br>904205<br>913636 | 1<br>8<br>8<br>8<br>8 | FILTER ASSEMBLY (See page 48 for parts) CAPSCREW, 5/16"NF x 3/4" WASHER, plain LOCKWASHER, 5/16" NUT, 5/16"NF   |
| 2 3      | 088690<br>203188<br>044973<br>904206<br>911041 | 1<br>4<br>8<br>4<br>4 | BRACKET, filter mounting CAPSCREW, 3/8"NF x 1-1/2" WASHER, plain LOCKWASHER, 3/8" NUT, 3/8"NF   |
| 4        | 088998<br>901839<br>901677                     | 2<br>2<br>2           | PIPE, filter tube connecting (6-3/8" long)  BUSHING, pipe reducing, 1/2"NPT to 1/4"NPT  ELBOW, pipe, 90°, 1/4"NPT   |
| 5        | 089000<br>901677<br>901483                     | 1<br>1<br>1           | PIPE, filter tube connecting (20-1/8" long) ELBOW, pipe, 90°, 1/4"NPT NIPPLE, pipe, 1/4"NPT x 3-1/2"  |
| 6        | 088999<br>901677<br>901480                     | 1<br>1<br>1           | PIPE, filter tube connecting (17-1/4" long)<br>ELBOW, pipe, 90°, 1/4" NPT<br>NIPPLE, pipe, 1/4"NPT x 2"   |
| 7        | 064589   | 4                     | GROMMET, pipe protecting  |
| <u>8</u> | 088987<br>036039<br>904206<br>044973           | 1<br>1<br>1           | GUARD, pipe protecting CAPSCREW, 3/8"NF x 1-3/8" LOCKWASHER, 3/8" WASHER, plain   |
| 10       | 088919<br>918325<br>915367<br>915761<br>915760 | 1<br>2<br>2<br>1<br>1 | TUBE, oil supply, rear section  NUT, Sealastic, 3/8" tube  RING, Sealastic, 3/8" tube (Includes ferrule)  ELBOW, Sealastic, 90°, 3/8" tube, 1/4"NPT female  CONNECTOR, Sealastic, 3/8"tube, 1/4"NPT female  |
| 11       | 088920<br>918325<br>915367<br>915761<br>915760 | 1<br>2<br>2<br>1      | TUBE, oil return, rear section  NUT, Sealastic, 3/8" tube  RING, Sealastic, 3/8" tube (Includes ferrule)  ELBOW, Sealastic, 90°, 3/8" tube, 1/4"NPT female  CONNECTOR, Sealastic, 3/8" tube, 1/4"NPT female |
| 12       | 089609<br>913938                               | 1<br>1                | HOSE, oil return.line (40" long)<br>TEE, service, 1/4"NPT   |
| 13       | 047852<br>901763<br>901467                     | 1<br>1<br>1           | ELBOW, oil return line (1/8"NPT male, 1/4"NPT female) COUPLING, pipe, 1/8"NPT NIPPLE, pipe, 1/8"NPT x 3/4"  |
| 14       | 090021<br>901826                               | 1                     | HOSE, oil supply line (30" long) BUSHING, pipe reducing, 3/8"NPT to 1/4" long   |
| 15       | 060660   | 1                     | CLIP, hose supporting .   |

## HEAVY-DUTY OIL FILTER (Continued)

| ITEM   | PART NO  | O. OTY. | DESCRIPTION  |
|--------|----------|---------|--------------|
| LIEIVI | LUL I IN | U. UII. | DESCRIE LION |

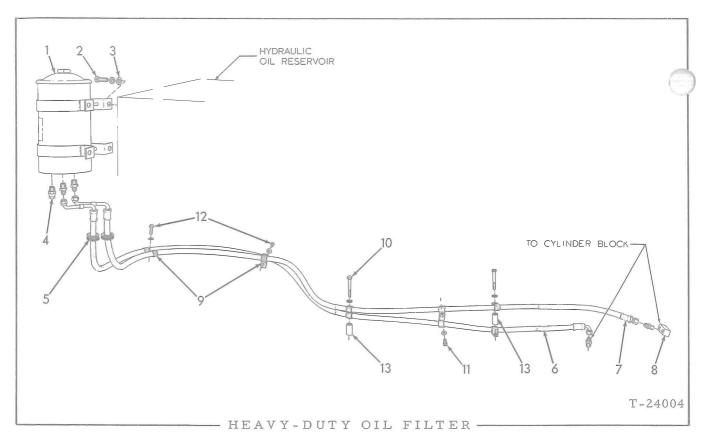
| 16<br>17<br>18 |   | 040811<br>036032<br>035167<br>904206<br>911041 | 2<br>1<br>1<br>2<br>1 | CLIP, tube supporting CAPSCREW, 3/8"NF x 3/4" CAPSCREW, 3/8"NF x 7/8" LOCKWASHER, 3/8" NUT, 3/8"NF |
|----------------|---|--|-----------------------|--|
| 19             |   | 089611<br>035073                               | 1                     | ANGLE, clip supporting CAPSCREW, 1/2"NF x 1-3/4" (Used prior to                                    |
| 20             |   | 033013   | 1                     | tractor #8742)   |
| 20             | 1 | 070469   | 1                     | CAPSCREW, 1/2"NF x 1-1/4" (Effective with tractor #8742)   |
|                | ( | 904208   | 1                     | LOCKWASHER, 1/2"   |
|                |   | 911043   | 1                     | NUT, 1/2"NF (Used prior to tractor #8742)  |



## HEAVY-DUTY OIL FILTER

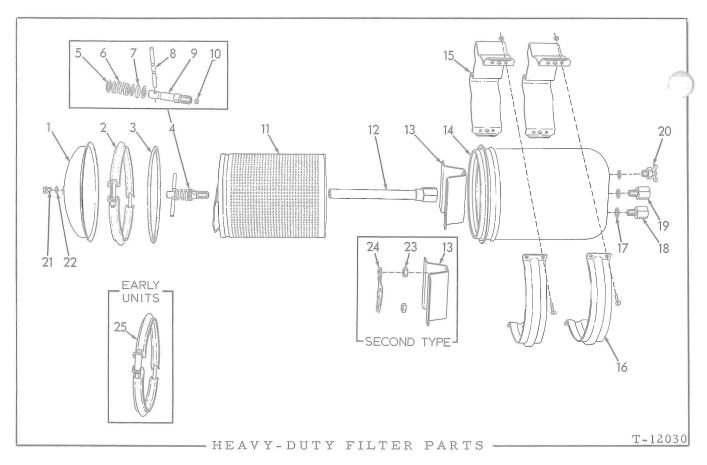
USAGE: Special Equipment. Supplements standard oil filter on tractors serial No. 9157 thru 11093.

| M           | PART NO.                                       | QTY.                  | DESCRIPTION  |
|-------------|--|-----------------------|--|
| 1           | 082442<br>910167<br>904205<br>913636           | 1<br>8<br>8<br>8      | FILTER ASSEMBLY (See page 48 for parts)  CAPSCREW, 5/16"NF x 3/4"  LOCKWASHER, 5/16"  NUT, 5/16"NF   |
| 2           | 095381   | 1                     | SPACER, shovel control bracket   |
| 3<br>4      | 094453<br>035167<br>904206                     | 1<br>2<br>2           | PLATE, filter mounting<br>CAPSCREW, 3/8"NF x 7/8"<br>LOCKWASHER, 3/8"  |
| 5<br>6      | 094692<br>035061<br>904208                     | 1<br>1<br>1           | BRACKET, hose supporting<br>CAPSCREW, 1/2"NC x 1-1/4"<br>LOCKWASHER, 1/2"  |
| 7<br>8<br>9 | 094422<br>035167<br>036034<br>904206<br>911041 | 8<br>2<br>2<br>4<br>2 | CLIP, hose supporting CAPSCREW, 3/8"NF x 7/8" CAPSCREW, 3/8"NF x 1" LOCKWASHER, 3/8" NUT, 3/8"NF   |
| 10<br>11    | 087287<br>070469<br>904208                     | 2<br>2<br>2           | BRACKET, hose supporting CAPSCREW, 1/2"NF x 1-1/4" LOCKWASHER, 1/2"  |
| 12          | 094439   | 1                     | BRACKET, hose supporting   |
| 13          | 094440<br>919127<br>919172                     | 1<br>1<br>1           | HOSE ASSEMBLY, oil supply (See page 6 for parts) CONNECTOR, flare type, 3/8" tube, 1/2"NPT male CONNECTOR, flare type, 3/8" tube, 3/8"NPT male |
| 14          | 094464<br>919127<br>919062                     | 1<br>1<br>1           | HOSE ASSEMBLY, oil return (See page 6 for parts) CONNECTOR, flare type, 3/8" tube, 1/2"NPT male CONNECTOR, flare type, 3/8" tube, 1/4"NPT male |
| 15          | 094437   | 1                     | ELBOW, oil supply line   |



USAGE: Special Equipment. Supplements standard oil filter on tractors serial No. 11094 and up.

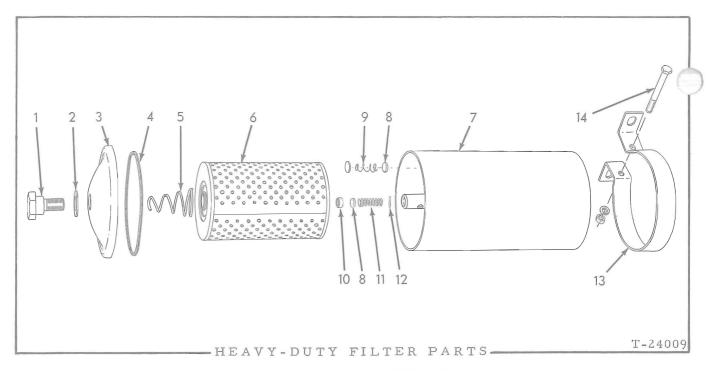
| ITEM                | PART NO.   | QTY.                        | DESCRIPTION  |
|---------------------|--|-----------------------------|--|
| 1<br>2<br>3         | 098363<br>070469<br>064531<br>904208                     | 1<br>4<br>4<br>4            | FILTER ASSEMBLY (See page 50 for parts) CAPSCREW, 1/2"NF x 1-1/4" WASHER, plain LOCKWASHER, 1/2"   |
| 4                   | 633519   | 1                           | COCK, drain, 3/8"NPT   |
| 5                   | 098372   | 2                           | GROMMET, hose protecting   |
| 6                   | 646899<br>919172   | 1<br>2                      | HOSE, oil return (See page 6) CONNECTOR, flare type, 3/8" tube, 3/8"NPT male   |
| 7                   | 646743<br>919062<br>919172                               | 1<br>1<br>1                 | HOSE, oil supply (See page 6) CONNECTOR, flare type, 3/8" tube, 1/4"NPT male CONNECTOR, flare type, 3/8" tube, 3/8"NPT male                                  |
| 8                   | 094437   | 1                           | ELBOW, oil supply line   |
| 9<br>10<br>11<br>12 | 094422<br>914339<br>045174<br>012992<br>036034<br>911115 | 10<br>1<br>1<br>1<br>2<br>5 | CLIP, hose supporting  CAPSCREW, 3/8"NF x 2-3/4"  CAPSCREW, 3/8"NF x 2-1/2"  CAPSCREW, 3/8"NF x 1-1/4"  CAPSCREW, 3/8"NF x 1"  WASHER, plain, SAE std., 3/8" |
| 13                  | 094597   | 2                           | SPACER, hose supporting clips  |



USAGE: Special Equipment. For tractors prior to serial No. 11094.

\* 082441 FILTER ASSEMBLY, fuel (See pages 53 and 55) \*\* 082442 FILTER ASSEMBLY, oil (See pages 43 and 45) QTY. PART NO. ITEM DESCRIPTION 1 082505 1 1 COVER 630540 RING ASSEMBLY, cover retaining (Includes nut and bolt) 2 1 3 082449 GASKET, cover HOLD-DOWN ASSEMBLY, filter element (Includes items 5 thru 9) 082492 082493 HOLD-DOWN ASSEMBLY, filter element (Includes items 5 thru 10) 5 082489 WASHER, element hold-down 082490 SPRING, element hold-down 6 7 082487 SEAL, element hold-down 8 HANDLE, element hold-down 082488 9 STUD, element hold-down (Not serviced separately) ----10 082491 PLUG, orifice, element hold-down 091540 ELEMENT, filtering (Original equipment) 11 ELEMENT, filtering (Optional) 637957

|      |    |                            | 07          | ΓY.         | HEAVY-DUTY FILTER PARTS (Continued)   |
|------|----|----------------------------|-------------|-------------|---|
| ITEM | P. | ART NO.                    |             | L I .<br>** | DESCRIPTION   |
| 12   |    | 076668                     | 1           | 1           | TUBE ASSEMBLY, outlet (Includes nut)  |
| , (  | 5  | 082967                     | 1           | 1           | SUPPORT, filter element (Used prior to January 1958)  |
| 13   |    | 096816                     | 1           | 1           | SUPPORT, filter element (Effective January 1958)  |
| 14   |    | 000 077 400 400 400 400    | 1           | 1           | HOUSING (Not serviced separately)   |
| 15   |    | 082444                     | 2           | 2           | BRACKET, mounting   |
| 16   |    | 082443<br>900576<br>911024 | 2<br>8<br>8 | 2<br>8<br>8 | BAND, mounting bracket<br>SCREW, machine, 1/4"NC x 3/4"<br>NUT, 1/4"NC                      |
| 17   |    | 063891                     | 3           | 3           | GASKET  |
| 18   | {  | 063890                     | -           | 1           | VALVE ASSEMBLY, inlet check (Includes 1 spring, 1 ring and 1 cup. Serviced only as a unit)  |
|      |    | 063889                     | 1           | 649         | BOLT, hollow  |
| 19   | {  | 080758                     | -           | 1           | VALVE ASSEMBLY, outlet check (Includes 1 spring, 1 ring and 1 cup. Serviced only as a unit) |
|      |    | 063889                     | 1           | ***         | BOLT, hollow  |
| 20   |    | 094167                     | 1           | 1           | COCK, drain   |
| 21   |    | 084897                     | 1           | 1           | PLUG, venting   |
| )22  |    | 084899                     | 1           | 1           | WASHER, venting plug  |
| 23   |    | 911049                     | 2           | 2           | NUT, jam, 5/8"NF (Effective January 1958)   |
| 24   |    | 096815                     | 1           | 1           | RETAINER, element support nut (Effective January 1958)                                      |
| 25   |    | 098038                     | 1           | 1           | BOLT ASSEMBLY, cover retaining ring (Includes nuts)(Early units only)                       |
|      |    |                            |             |             |   |



USAGE: Special Equipment. For tractors serial No. 11094 and up.

\* 098363 FILTER ASSEMBLY, oil (See page 46) \*\* 098364 FILTER ASSEMBLY, fuel (See page 56)

|          |                  | 0.00   | 7 | ** 098364 FILTER ASSEMBLY, fuel (See page 56                                      |
|----------|------------------|--------|---|---|
| ITEM     | PART NO.         | QTY.   |   | DESCRIPTION   |
| 1        | 098433           | 1      | 1 | BOLT, cover   |
| 2        | 098435           | 1      | 1 | GASKET, coverbolt   |
| 3        | 098436           | 1      | 1 | COVER   |
| 4        | 098437           | 1      | 1 | GASKET, cover   |
| 5        | 098438           | 1      | 1 | SPRING, element hold-down   |
| 6        | 098441           | 1      | 1 | ELEMENT KIT (Includes item 4)   |
| 7 -      | 098440<br>910002 | 1<br>1 | - | SHELL ASSEMBLY (Includes items 8 thru 12) PLUG, expansion, 3/4" diam.             |
|          | 098439           |        |   | SHELL   |
| 8        | 098444           | 2      | - | VALVE, check, inlet and outlet  |
| 9        | 098446           | 1      | - | SPRING, inlet check valve   |
| 10       | 099746           | 1      | - | SLEEVE, outlet check valve  |
| 11       | 098443           | 1      | - | SPRING, outlet check valve  |
| 12       | 098445           | 1      | - | PIN, retaining, outlet valve spring   |
| 13<br>14 |                  | 2      | 2 | BRACKET, mounting<br>CAPSCREW, 3/8"NF x 3-1/4"<br>LOCKWASHER, 3/8"<br>NUT, 3/8"NF |

## HEAVY-DUTY FUEL FILTER

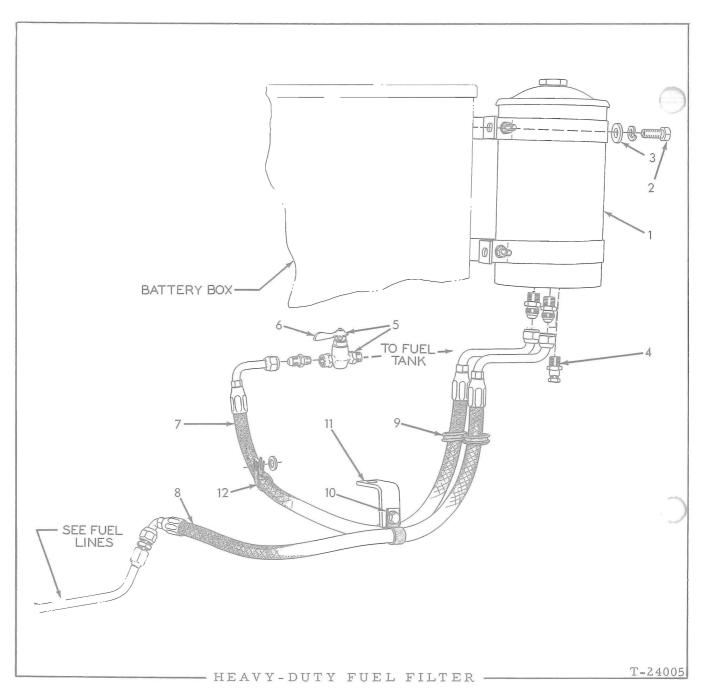
USAGE: Special Equipment. Replaces standard first-stage fuel filter on tractors prior to serial No. 9157.

| I'ı =M  | PART NO.                                       | QTY.                  | DESCRIPTION   |
|---------|--|-----------------------|---|
| 1       | 082441<br>910167<br>904205<br>913636           | 1<br>8<br>8<br>8      | FILTER ASSEMBLY, fuel (See page 48 for parts) CAPSCREW, 5/16"NF x 3/4" LOCKWASHER, 5/16" NUT, 5/16"NF   |
| 2       | 061812   | 1                     | BUSHING, fuel tank  |
| 3       | 092727   | 1                     | COCK, fuel shut-off (3/8"NPT male and female. Includes item 4)  |
|         | 915380   | 1                     | ELBOW, Sealastic, 1/2" tube, 3/8"NPT male   |
| 4       | 082189   | 1                     | HANDLE, fuel shut-off cock  |
| 5       | 088996<br>918564<br>915377<br>915378<br>904271 | 1<br>2<br>2<br>1<br>1 | TUBE, tank to filter  NUT, Sealastic, 1/2" tube  RING, Sealastic, 1/2" tube (Includes ferrule)  CONNECTOR, Sealastic, 1/2" tube, 3/8"NPT male  BUSHING, pipe reducing, 1/2"NPT to 3/8"NPT               |
| 6       | 088994<br>918325<br>915367<br>915368<br>901839 | 1<br>2<br>2<br>1<br>1 | TUBE, filter to pump, rear section  NUT, Sealastic, 3/8" tube  RING, Sealastic, 3/8" tube (Includes ferrule)  CONNECTOR, Sealastic, 3/8" tube, 1/4"NPT male  BUSHING, pipe reducing, 1/2"NPT to 1/4"NPT |
| 7       | 088995<br>918325<br>915367<br>915386<br>915760 | 1<br>2<br>2<br>1<br>1 | TUBE, filter to pump, front section  NUT, Sealastic, 3/8" tube  RING, Sealastic, 3/8" tube (Includes ferrule)  UNION, Sealastic, 3/8" tube  CONNECTOR, Sealastic, 3/8" tube, 1/4"NPT female             |
| 8       | 089878<br>912324<br>914588                     | 1<br>1<br>1           | HOSE, fuel line<br>CONNECTOR, flare type, 3/8" tube, 1/4"NPT male<br>ELBOW, street, brass, 90°, 1/4"NPT   |
| 9<br>10 | 091046<br>036034<br>904206                     | 1<br>1<br>1           | CLIP, hose supporting CAPSCREW, 3/8"NF x 1" LOCKWASHER, 3/8"  |

## HEAVY-DUTY FUEL FILTER

USAGE: Special Equipment. Supplements standard fuel filter on tractors serial No. 9157 thru 11093.

| I      | PART NO.                             | QTY.        | DESCRIPTION  |
|--------|--------------------------------------|-------------|--|
| 1      | 082441<br>910167<br>904205<br>913636 | 1<br>8<br>8 | FILTER ASSEMBLY (See page 48 for parts) CAPSCREW, 5/16"NF x 3/4" LOCKWASHER, 5/16" NUT, 5/16"NF  |
| 2      | 061812                               | 1           | BUSHING, fuel tank   |
| 3      | 092727                               | 1           | COCK, fuel shut-off (3/8"NPT male and female. Includes item 4)   |
| 4      | 082189                               | 1           | HANDLE, fuel shut-off cock   |
| 5      | 095324<br>919063<br>919128           | 1<br>1<br>1 | HOSE ASSEMBLY, tank to filter (See page 6 for parts) CONNECTOR, flare type, 1/2" tube, 3/8"NPT male CONNECTOR, flare type, 1/2" tube, 1/2"NPT male |
| 6<br>7 | 094467<br>035167<br>904206           | 2<br>2<br>2 | CLIP, hose supporting CAPSCREW, 3/8"NF x 7/8" LOCKWASHER, 3/8"   |
| 8      | 083567<br>919128                     | 1<br>1      | HOSE ASSEMBLY, filter to engine, rear (See page 6 for parts) CONNECTOR, flare type, 1/2" tube, 1/2"NPT male  |
| 9      | 094460<br>919066                     | 1           | TUBE ASSEMBLY, filter to engine, rear (Includes nuts) UNION, flare type, 1/2" tube   |
| 10     | 093752                               | 6           | BOOT   |
| 1.1    | 097534                               | 6           | CLIP, tube supporting  |
|        | 094449                               | 1           | TUBE ASSEMBLY, filter to engine, front (Includes nuts)   |
| 13     | 095526<br>919206                     | 1<br>1      | HOSE ASSEMBLY, filter to engine, front (See page 6 for parts) ELBOW, 90°, flare type, 1/2" tube, 3/8"NPT male                                      |

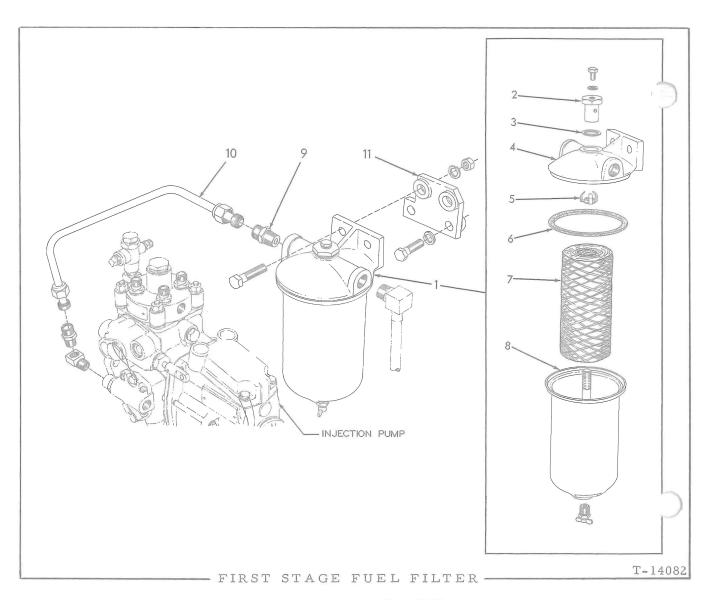


USAGE: Special Equipment. Supplements standard fuel filter on tractors serial No. 11094 and up.

| ITEM        | PART NO.                             | QTY.        | DESCRIPTION  |
|-------------|--------------------------------------|-------------|--|
| 1<br>2<br>3 | 098364<br>070469<br>904208<br>064531 | 1<br>4<br>4 | FILTER ASSEMBLY (See page 50 for parts) CAPSCREW, 1/2"NF x 1-1/4" LOCKWASHER, 1/2" WASHER, plain, SAE std., 1/2" |
| 4           | 633519                               | 1           | COCK, drain, 3/8"NPT   |
| 5           | 092727                               | 1           | COCK, fuel shut-off (Includes item 6)  |
| 6           | 082189                               | 1           | HANDLE, fuel shut-off cock   |

## HEAVY-DUTY FUEL FILTER (Continued)

| ITEM | PART NO.                                       | QTY.                  | DESCRIPTION   |
|------|--|-----------------------|---|
|      | 098365<br>919063                               | 1 2                   | HOSE ASSEMBLY, tank to filter (See page 6 for parts) CONNECTOR, flare type, 1/2" tube, 3/8"NPT male                                       |
| 8    | 098366<br>919063<br>919066                     | 1<br>1<br>1           | HOSE ASSEMBLY, filter to tube union (See page 6 for parts) CONNECTOR, flare type, 1/2" tube, 3/8"NPT male UNION, flare type, 1/2" tube    |
| 9    | 098372   | 2                     | GROMMET, hose protecting  |
| 10   | 094467<br>012992<br>911115<br>904206<br>911041 | 2<br>1<br>2<br>1<br>1 | CLIP, hose supporting (3/4" diam., 13/32" bolt-hole) CAPSCREW, 3/8"NF x 1-1/4" WASHER, plain, SAE std., 3/8" LOCKWASHER, 3/8" NUT, 3/8"NF |
| 11   | 098369   | 1                     | ANGLE, clip supporting  |
| 12   | 620034<br>911115                               | 1                     | CLIP, hose supporting (3/4" diam., 13/32" bolt-slot) WASHER, plain, SAE std., 3/8"  |

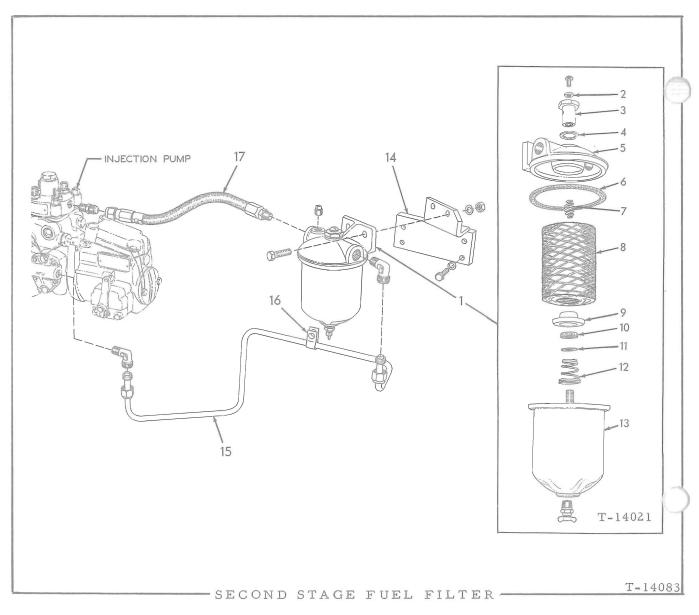


USAGE: Standard equipment prior to tractor serial No. 9157. Not used on tractors equipped with HEAVY-DUTY FUEL FILTER.

| ITEM | PART NO.                              | QTY.             | DESCRIPTION   |
|------|---------------------------------------|------------------|---|
| 1    | 4347786<br>903632<br>904206<br>910324 | 1<br>2<br>2<br>2 | FILTER ASSEMBLY, fuel (Consists of items 2 thru 8) CAPSCREW, 3/8"NC x 1-1/2" LOCKWASHER, 3/8" NUT, 3/8"NC |
| 2    | 4051483<br>919288<br>914686           | 1<br>1<br>1      | NUT, shell retaining<br>CAPSCREW, 1/4"NC x 3/8"<br>WASHER, plain, copper, 1/4"I.D.                        |
| 3    | 4051484                               | 1                | GASKET, shell retaining nut   |
| 4    | 4347790                               | 1                | HEAD, filter  |
| 5    | 4051485                               | 1                | GUIDE, element centering  |
| 6    | 4040013                               | 1                | GASKET, filter shell  |

# FIRST STAGE FUEL FILTER (Continued)

| ITEM | PART NO.  | QTY.             | DESCRIPTION  |
|------|---|------------------|--|
| 7    | 4055563   | 1                | ELEMENT ASSEMBLY, filter (Includes item 6)   |
| 8    | 4347791<br>644417                               | 1                | SHELL, filter<br>COCK, drain, 1/4"NPT  |
| 9    | 4254097   | 1                | CONNECTOR, fuel line (Sealastic, 3/8" tube, 3/8"NPT male)  |
| 10   | 4348514<br>918325<br>915367<br>915368<br>914588 | 1<br>2<br>2<br>1 | LINE, filter to injection pump  NUT, Sealastic, 3/8" tube (Includes swivel collar)  RING, Sealastic, 3/8" tube (Includes ferrule)  CONNECTOR, Sealastic, 3/8" tube, 1/4"NPT male  ELBOW, street, brass, 90°, 1/4"NPT |
| 11   | 4348506<br>910245<br>904206                     | 1<br>2<br>2      | BRACKET, mounting<br>CAPSCREW, 3/8"NC x 1-3/8"<br>LOCKWASHER, 3/8"   |



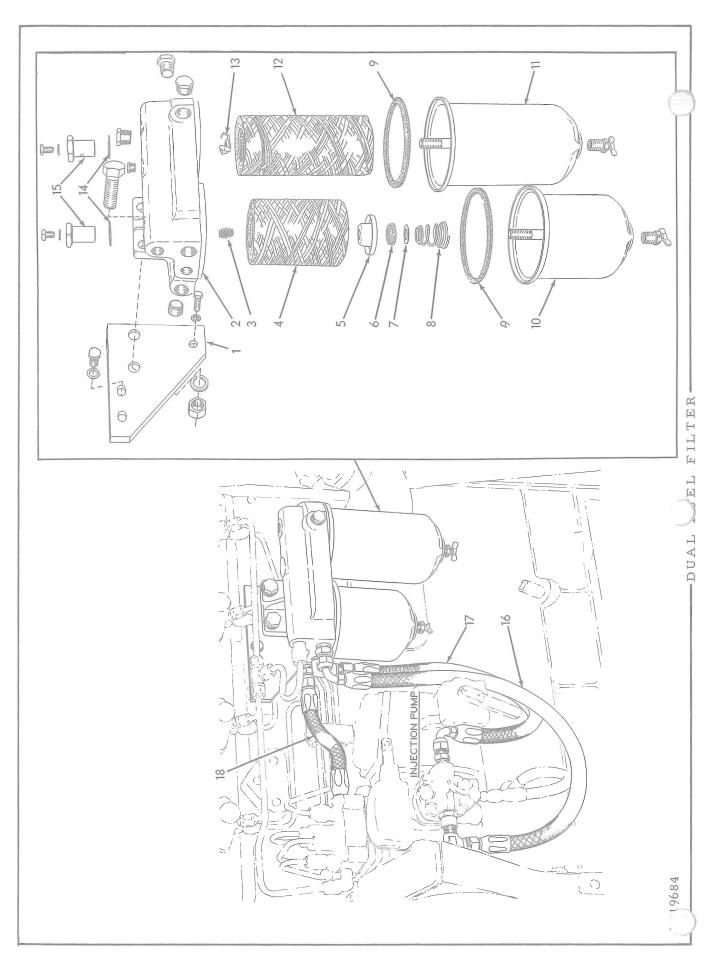
USAGE: Tractors prior to serial No. 9157.

# ITEM PART NO. QTY. DESCRIPTION

| 1 | 4349146<br>901652<br>903631<br>904206<br>910324 | 1<br>1<br>2<br>2<br>2 | FILTER ASSEMBLY, fuel (Includes items 2 thru 13) PLUG, pipe, 1/4"NPT CAPSCREW, 3/8"NC x 1-1/4" LOCKWASHER, 3/8" NUT, 3/8"NC |
|---|---|-----------------------|---|
| 2 | 065577  | 1                     | GASKET, bleeding screw  |
| 3 | 4051483<br>915432                               | 1<br>1                | NUT, shell retaining SCREW, machine, 1/4"NC x 5/16"   |
| 4 | 4051484   | 7                     | GASKET, shell retaining nut   |

## SECOND STAGE FUEL FILTER (Continued)

| ITEM P | ART NO.   | QTY.                                    | DESCRIPTION   |
|--------|---|---|---|
|        | 4347790   | 1                                       | HEAD, filter (3/8"NPT connections)(Used prior to engine #89439)   |
|        | 4349147   | 1                                       | HEAD, filter (1/4"NPT connections)(Effective with engine #89439)  |
| 6      | 4040013   | 1                                       | GASKET, shell   |
| 7      | 639370  | 1                                       | GUIDE, element centering  |
| 8      | 4056633   | 1                                       | ELEMENT KIT (Includes items 6, 10 and 11)   |
| 9      | 4052173   | 1                                       | PLATE, element seating  |
| 10     |   | 1                                       | GASKET, element seating plate (Furnished only as part of item 8)  |
| 11     | me or so on mi tri                              | I                                       | WASHER, seating plate gasket (Furnished only as part of item 8)   |
| 12     | 4052174   | 1                                       | SPRING, element   |
| 13     | 065582<br>644417                                | 1<br>1                                  | SHELL, filter<br>COCK, drain, T-handle, 1/4"NPT   |
| 14     | 4348832<br>905662<br>904205                     | 1<br>4<br>4                             | BRACKET, filter mounting<br>CAPSCREW, 5/16"NC x 1-1/8"<br>LOCKWASHER, 5/16"   |
| 15     | 4348518<br>918325<br>915367<br>915369<br>901826 | 1<br>2<br>2<br>2<br>1                   | LINE, pump to filter  NUT, Sealastic, 3/8" tube (Includes swivel collar)  RING, Sealastic, 3/8" tube (Includes ferrule)  ELBOW, Sealastic, 90°, 3/8" tube, 1/4"NPT male  BUSHING, pipe reducing, 3/8"NPT to 1/4"NPT (Used prior to engine #89439) |
| 16     | 040796  | 1                                       | CLIP, tube supporting   |
|        | prof 600 Red 644 FM 600                         | 1                                       | HOSE, filter to pump (12-1/4" long)(Used prior to engine #89439)(Order HOSE 4504056)  |
|        | 918598  | 1                                       | TEE, pipe reducing, 1/4"NPT side, 1/4"NPT and 3/8"NPT ends  |
| 17     | 901489  | 1                                       | NIPPLE, pipe, 3/8"NPT x 1"  |
|        | 4504056   | 1                                       | HOSE, filter to pump (14" long) (Effective with engine #89439)  |
|        | 912324  | Tool Tool Tool Tool Tool Tool Tool Tool | CONNECTOR, flare type, 3/8" tube, 1/4"NPT male  |



## DUAL FUEL FILTER

USAGE: Effective with tractor serial No. 9157. Also see pages 55 and 56 for supplementing Heavy-duty fuel filter.

| rieavy-duty luer litter. |  |                                 |  |  |  |
|--------------------------|--|---------------------------------|--|--|--|
| I'l                      | PART NO.   | QTY.                            | DESCRIPTION  |  |  |
| 1                        | 4349641<br>915813<br>904205<br>916269<br>904206                    | 1<br>1<br>1<br>1                | BRACKET, filter mounting CAPSCREW, 5/16"NC x 7/8" LOCKWASHER, 5/16" CAPSCREW, 3/8"NC x 7/8" LOCKWASHER, 3/8"   |  |  |
| 2                        |  | 1                               | HEAD ASSEMBLY (Original equipment)(Order HEAD ASSY. 4389051, 1 BUSHING 901826 and 2 NUTS 4389113)  |  |  |
| (2                       | 4389051  | 1                               | HEAD ASSEMBLY (Includes plugs indented below)(Service replacement)   |  |  |
|                          | 919134<br>919840<br>920333<br>918887<br>919230<br>904208<br>910325 | 2<br>1<br>2<br>1<br>2<br>2<br>2 | PLUG, pipe, hex-hd., 1/8"NPT PLUG, pipe, hex-hd., 1/4"NPT PLUG, pipe, hex-hd., 3/8"NPT PLUG, pipe, hex-socket, 3/8"NPT CAPSCREW, 1/2"NC x 1-3/8" LOCKWASHER, 1/2" NUT, 1/2"NC      |  |  |
| 3                        | 639370   | 1                               | GUIDE, element centering, second stage filter  |  |  |
| 4                        | 4056633  | 1                               | ELEMENT KIT, second stage filter (Includes items 6,7 and 9)  |  |  |
| 5                        | 4052173  | 1                               | PLATE, element seating, second stage filter  |  |  |
| 6                        |  | 1                               | GASKET, element seating plate (Furnished only as part of item 4)   |  |  |
| 7                        |  | 1                               | WASHER, seating plate gasket (Furnished only as part of item 4)  |  |  |
| 8                        | 4052174  | 1                               | SPRING, second stage filter  |  |  |
| 9                        | 4040013  | 2                               | GASKET, filter shell   |  |  |
| )                        | 065582<br>912415   | 1<br>1                          | SHELL, second stage filter COCK, drain, 1/4"NPT  |  |  |
| 11                       | 4347791<br>912415  | 1                               | SHELL, first stage filter<br>COCK, drain, 1/4"NPT  |  |  |
| 12                       | 4055563  | 1                               | ELEMENT ASSEMBLY, first stage filter (Includes item 9)(Not used when Heavy-duty Filter is installed)   |  |  |
| 13                       | 4051485  | 1                               | GUIDE, element centering, first stage filter   |  |  |
| 14                       | 4051484  | 2                               | GASKET, shell retaining nut  |  |  |
| 15                       | 4051483<br>906692<br>914686  | 2<br>2<br>2                     | NUT, shell retaining CAPSCREW, 1/4"NC x 3/8" WASHER, plain, copper, 1/4"I.D.   |  |  |
| 16                       | 4335898<br>919172<br>4337251                                       | 1<br>1<br>1                     | HOSE ASSEMBLY, first stage filter to transfer pump (See page 6 for parts)  CONNECTOR, flare type, 3/8" tube, 3/8"NPT male ELBOW, flare tlype, 90°, brass, 3/8" tube, 1/4"NPT male  |  |  |
| 17                       | 4335935<br>919062<br>4337251                                       | 1 1 1                           | HOSE ASSEMBLY, transfer pump to second stage filter (See page 6 for parts)  CONNECTOR, flare type, 3/8" tube, 1/4"NPT male  ELBOW, flare type, 90°, brass, 3/8" tube, 1/4"NPT male |  |  |
| 18                       | 4349776<br>919172  | 1                               | HOSE ASSEMBLY, filter to injection pump (See page 6 for parts) CONNECTOR, flare type, 3/8" tube, 3/8"NPT male  |  |  |

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#### FUEL LINES

USAGE: Tractors prior to serial No. 9157

```
M PART NO. QTY.
                       DESCRIPTION
       042639
                       *BUSHING, fuel tank outlet
                       *ELBOW, fuel line (90°, 1/4"NPT male and female)
 2
       099433
                       *COCK, fuel shut-off (1/4"NPT male and female)
 3
      092726
                  1
                       *TUBE, fuel supply, rear section
 4
      087266
                  I
       918325
                  2
                              NUT, Sealastic, 3/8" tube
       915367
                  2
                              RING, Sealastic, 3/8" tube (Includes ferrule)
                              CONNECTOR, Sealastic, 3/8" tube, 1/4"NPT male
       915368
                  1
 5
       087292
                  1
                        TUBE, fuel return, rear section
                              NUT, Sealastic, 3/8" tube
RING, Sealastic, 3/8" tube (Includes ferrule)
       918325
                  2
       915367
                  2
       915368
                              CONNECTOR, Sealastic, 3/8" tube, 1/4"NPT male
                  1
 5
                  1
       088262
                       *TUBE, fuel supply, front section
                              NUT, Sealastic, 3/8" tube
       918325
                  2
                              RING, Sealastic, 3/8" tube (Includes ferrule)
       915367
                  2
       915386
                  I
                              UNION, Sealastic, 3/8" tube
       915760
                   I
                              CONNECTOR, Sealastic, 3/8" tube, 1/4"NPT female
       088261
                   I
                        TUBE, fuel return, front section (Used prior to engine #6-7790)
       093286
                   I
                        TUBE, fuel return, front section (Effective with engine #6-7790)
                              NUT, Sealastic, 3/8" tube
       918325
                  2
       915367
                  2
                              RING, Sealastic, 3/8" tube (Includes ferrule)
       915386
                   1
                              UNION, Sealastic, 3/8" tube
                              CONNECTOR, Sealastic, 3/8" tube, 1/4"NPT female
       915760
                   1
       088260
                   1
                        HOSE, fuel return line (Used prior to tractor #2379)
       078926
                              ELBOW, street, brass, 90°, 1/4"NPT
                   1
                        HOSE, fuel return line (20" long) (Effective with tractor #2379)
       089878
                   I
                           but later discontinued on engine #6-7790)
       910978
                   1
                              ELBOW, flare type, 90°, 3/8" tube, 1/4"NPT
       0 932 90
                   1
                        HOSE, fuel return line (13" long) (Effective with engine #6-7790)
 9
       088260
                   1
                       *HOSE, fuel supply line
                       *ELBOW, fuel supply hose (90°, 3/8"NPT male, 1/4"NPT female)
10
       051341
                   1
11
       040811
                   4
                         CLIP, tube supporting (for two 3/8" diam. tubes, 17/32" bolt-hole)
                              CAPSCREW, 3/8"NF x 3/4" CAPSCREW, 3/8"NF x 1"
       036032
                   1
12
       036034
                   3
                              WASHER, plain, SAE std., 3/8"
LOCKWASHER, 3/8"
       911115
                   4
       904206
                   4
                              NUT, 3/8"NF
       911041
                   1
       040796
13
                         CLIP, fuel return tube (3/8" diam., 13/32" bolt-hole)
                   1
                            (Used prior to engine #6-7790)
14
                               CAPSCREW, 3/8"NF x 1"
       036034
                   1
       904206
                   1
                              LOCKWASHER, 3/8"
       911115
                   1
                              WASHER, plain, SAE std., 3/8"
1.5
       087287
                   1
                        ANGLE, tube supporting
                              CAPSCREW, 1/2"NF x 1-3/4" (Used prior to tractor #8742)
       035073
                   1
1.6
       070469
                              CAPSCREW, 1/2"NF x 1-1/4" (Effective with tractor #8742)
                   1
       904208
                              LOCKWASHER, 1/2"
                   1
       911043
                              NUT, 1/2"NF (Used prior to tractor #8742)
                   1
17
       091046
                   1
                         CLIP, fuel line hose (1/2" diam., 7/16" bolt-hole) (Used prior to
                            engine #6-7790)
```

\*Not used when special HEAVY-DUTY FUEL FILTER is installed.

## FUEL LINES

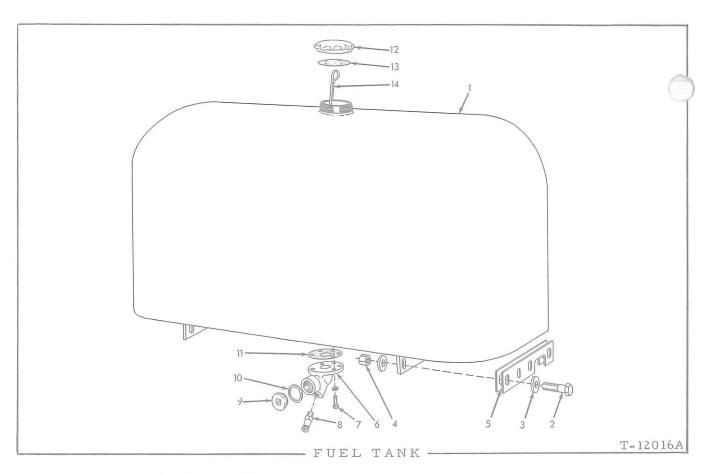
USAGE: Tractors serial No. 9157 thru 11093.

| 0 022 014            |  |                       |   |
|----------------------|--|-----------------------|---|
| M                    | PART NO.   | QTY.                  | DESCRIPTION   |
| 1                    | 061812   | 1                     | BUSHING, fuel tank outlet   |
| 2                    | 092727   | 1                     | COCK, fuel shut-off (Includes item 3)   |
| 3                    | 082189   | 1                     | HANDLE, fuel shut-off cock  |
| 4                    | 083529   | 1                     | HOSE ASSEMBLY, fuel supply line, rear (See page 6 for parts) (Not used when special HEAVY-DUTY FUEL FILTER is installed)                  |
|                      | 919063   | 1                     | CONNECTOR, flare type, 1/2" tube, 3/8"NPT male  |
| 5                    | 094460<br>919066   | I<br>I                | TUBE ASSEMBLY, fuel supply line, rear (Includes nuts) UNION, flare type, 1/2" tube  |
| 6                    | 094449   | 1                     | TUBE ASSEMBLY, fuel supply line (Includes nuts)   |
| 7                    | 095526   | 1                     | HOSE ASSEMBLY, fuel supply line, front (See page 6 for parts)   |
|                      | 919206   | 1                     | ELBOW, flare type, 90°, 1/2" tube, 3/8"NPT male   |
| 8                    | 620495   | 1                     | HOSE ASSEMBLY, fuel return line, front (See page 6 for parts)   |
|                      | 919140   | 1                     | CONNECTOR, flare type, 1/4" tube, 1/4"NPT male  |
| 9                    | 0 94447  | 1                     | TUBE ASSEMBLY, fuel return line (Includes nuts)   |
| 10                   | 094459<br>919214   | 1                     | TUBE ASSEMBLY, fuel return line, rear (Includes nuts) UNION, flare type, 1/4" tube  |
| )                    | 0 95323  | 1                     | HOSE ASSEMBLY, fuel return line, rear (See page 6 for parts)  |
|                      | 919140   | 1                     | CONNECTOR, flare type, 1/4" tube, 1/4"NPT male  |
| 12<br>13             | 094467<br>035167<br>904206                               | 1<br>1<br>1           | CLIP, hose supporting (large) CAPSCREW, 3/8"NF x 7/8" LOCKWASHER, 3/8"  |
| 14                   | 087082   | 1                     | SPACER, tube supporting clip  |
| 15                   | 0 93752  | 5                     | BOOT, supply tube (rubber)  |
| 16                   | 093972   | 5                     | BOOT, return tube (rubber)  |
| 17                   | 047381   | 5                     | CLIP, supporting, return tube   |
| 18<br>19<br>20<br>21 | 097534<br>035167<br>036032<br>036039<br>904206<br>911041 | 5<br>3<br>1<br>1<br>5 | CLIP, supporting, supply tube  CAPSCREW, 3/8"NF x 7/8"  CAPSCREW, 3/8"NF x 3/4"  CAPSCREW, 3/8"NF x 1-3/8"  LOCKWASHER, 3/8"  NUT, 3/8"NF |
| 22<br>23             | 094452<br>070469<br>904208                               | 1<br>1<br>1           | ANGLE, tube supporting CAPSCREW, 1/2"NF x 1-1/4" LOCKWASHER, 1/2"   |

#### FUEL LINES

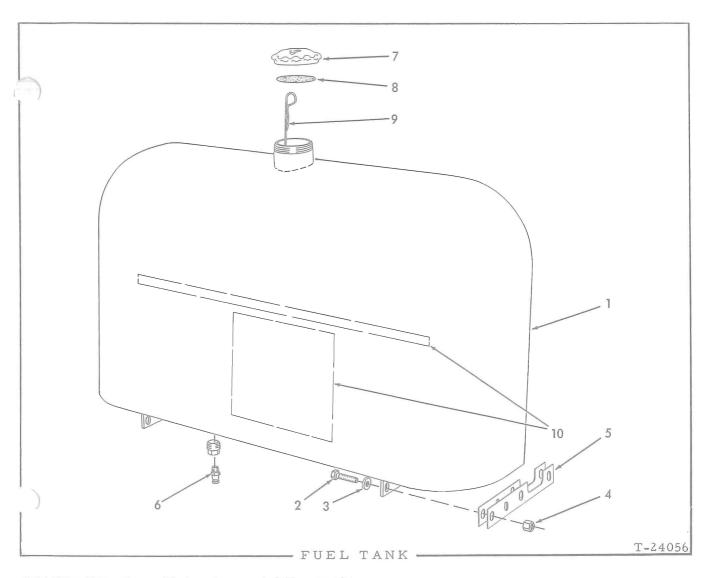
USAGE: Effective with tractor serial No. 11094.

| M        | PART NO.                             | QTY.             | DESCRIPTION   |
|----------|--------------------------------------|------------------|---|
| 1        | 092727                               | 1                | COCK, fuel shut-off (Includes item 2)   |
| 2        | 082189                               | 1                | HANDLE, fuel shut-off cock  |
| 3        | 097746                               | 1                | HOSE ASSEMBLY, fuel supply line, rear (See page 6 for parts)(Not used when special Heavy-Duty Fuel Filter is installed)     |
| 4        | 097739                               | 1                | TUBE ASSEMBLY, fuel supply line (Includes nuts)   |
| 5        | 095789<br>919206                     | 1<br>1           | HOSE ASSEMBLY, fuel supply line, front (See page 6 for parts) ELBOW, flare type, 90°, 1/2" tube, 3/8"NPT male               |
| 6        | 620496<br>919140                     | 1<br>1           | HOSE ASSEMBLY, fuel return line, front (See page 6 for parts) CONNECTOR, flare type, 1/4" tube, 1/4"NPT male                |
| 7        | 097738                               | 1                | TUBE ASSEMBLY, fuel return line (Includes nuts)   |
| 8        | 097747                               | 1                | HOSE ASSEMBLY, fuel return line, rear (See page 6 for parts)  |
| 9<br>10  | 094527<br>035167<br>904206           | 2<br>2<br>2      | CLIP, hose supporting (1/2" diam., 13/32" bolt-hole) CAPSCREW, 3/8"NF x 7/8" LOCKWASHER, 3/8"                               |
| 11<br>12 | 620035<br>035167<br>904206<br>911115 | 1<br>1<br>1      | CLIP, hose supporting (1/2" diam., 13/32" bolt-slot) CAPSCREW, 3/8"NF x 7/8" LOCKWASHER, 3/8" WASHER, plain, SAE std., 3/8" |
| 3        | 094467                               | 1                | CLIP, hose supporting (3/4" diam., 13/32" bolt-hole)  |
| 14       | 620034                               | 1                | CLIP, hose supporting (3/4" diam., 13/32" bolt-slot)  |
| 15       | 093752                               | 2                | BOOT, supply tube (rubber)  |
| 16       | 093972                               | 2                | BOOT, return tube (rubber)  |
| 17       | 047381                               | 2                | CLIP, supporting, return tube (5/8" diam., 13/32" bolt-hole)  |
| 18<br>19 | 097534<br>035167<br>904206<br>911041 | 2<br>2<br>2<br>1 | CLIP, supporting, supply tube (7/8" diam., 13/32" bolt-hole) CAPSCREW, 3/8"NF x 7/8" LOCKWASHER, 3/8" NUT, 3/8"NF           |
| 20<br>21 | 097736<br>070469<br>904208           | 1<br>1<br>1      | ANGLE, tube supporting CAPSCREW, 1/2"NF x 1-1/4" LOCKWASHER, 1/2"   |



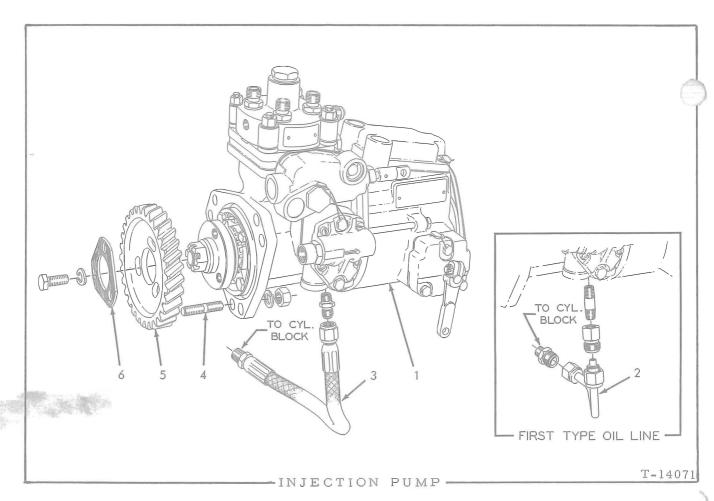
USAGE: Tractors prior to serial No. 11094.

| ITEM PART   | NO. QTY.                     | DESCRIPTION  |
|---|------------------------------|--|
| $ \begin{array}{c} 1 & 62000 \\ 03523 \\ 2 & 03507 \\ 90420 \\ 3 & 06453 \\ 4 & 03823 \end{array} $ | 36 4<br>73 2<br>08 4<br>31 6 | TANK, fuel  CAPSCREW, 1/2"NC x 1-3/4"  CAPSCREW, 1/2"NF x 1-3/4"  LOCKWASHER, 1/2"  WASHER, plain  NUT, high, 1/2"NF |
| 5 63314   | 47 6                         | SHIM, tank mounting (Use as req'd)   |
| 6 05236<br>7 03603<br>90420   | 34 5                         | ELBOW, fuel tank drain<br>CAPSCREW, 3/8"NF x 1"<br>LOCKWASHER, 3/8"  |
| 8 6335  | 19 1                         | COCK, fuel tank drain  |
| 9 05059   | 94 1                         | PLUG, clean-out, fuel tank drain elbow   |
| 10 05059  | 95 1                         | GASKET, clean-out plug   |
| 11 05078  | 37 1                         | GASKET, fuel tank drain elbow  |
| 12 64274  | 14 1                         | CAP, fuel tank   |
| 13 0656   | 13 1                         | GASKET, fuel tank cap  |
| 14 08567  | 23 1                         | GAUGE, fuel level  |



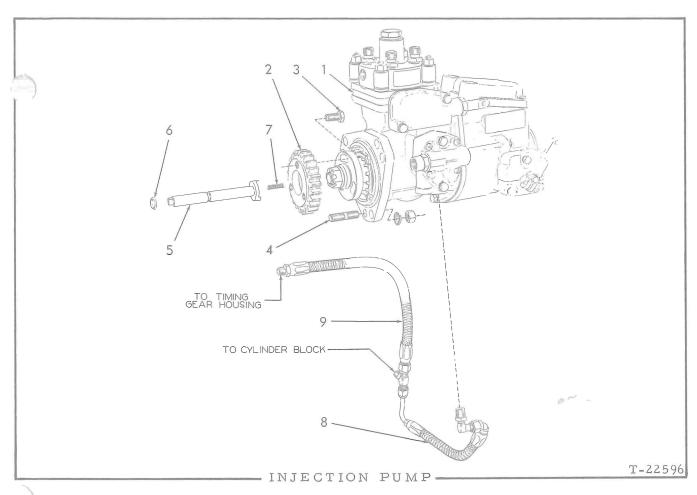
USAGE: Effective with tractor serial No. 11094

| ITEM             | PART NO.                             | QTY.             | DESCRIPTION  |
|------------------|--------------------------------------|------------------|--|
| 1<br>2<br>3<br>4 | 624214<br>035073<br>064531<br>038234 | 1<br>6<br>6<br>6 | TANK, fuel CAPSCREW, 1/2"NF x 1-3/4" WASHER, plain NUT, high, 1/2"NF |
| 5                | 633147                               | 8                | SHIM, tank mounting (Use as req'd)                                   |
| 6                | 633519<br>902071                     | 1                | COCK, fuel tank drain BUSHING, pipe reducing, 1"NPT to 3/8"NPT       |
| 7                | 642744                               | 1                | CAP, fuel tank   |
| 8                | 065613                               | 1                | GASKET, fuel tank cap  |
| 9                | 097735                               | 1                | GAUGE, fuel level  |
| 10               |                                      | -                | TRANSFERS (See PAINTING AND MARKING)                                 |



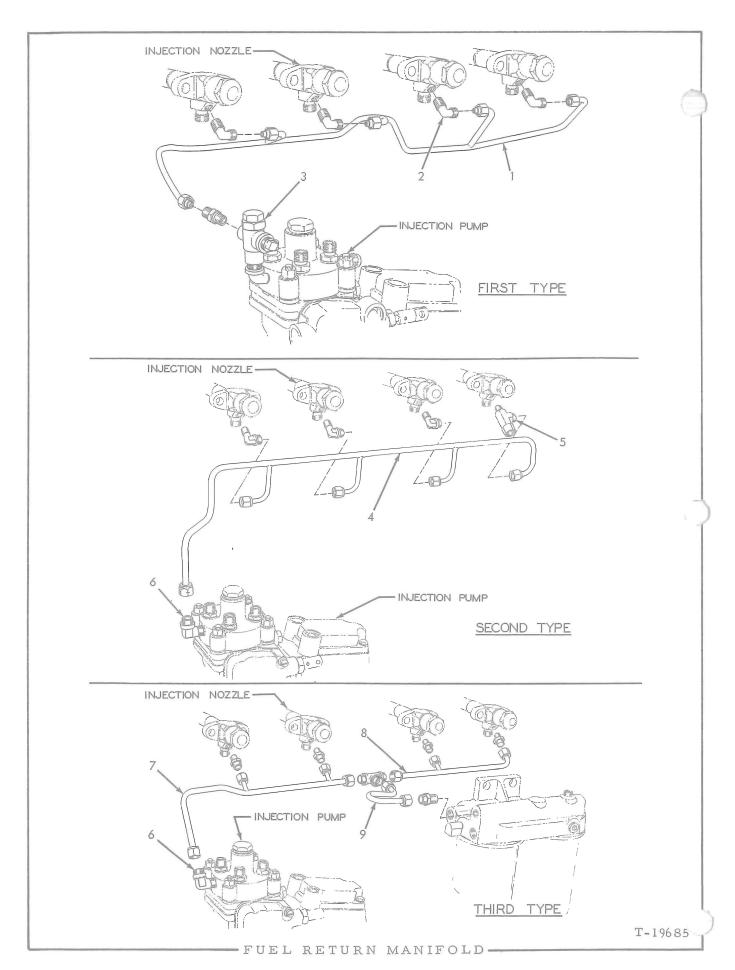
USAGE: Engines prior to serial No. 6-10368.

| ITEM | PART NO.  | QTY.                  | DESCRIPTION  |
|------|---|-----------------------|--|
| 1    | 4348762   | 1                     | PUMP ASSEMBLY, fuel injection (See your "Allis-<br>Chalmers" dealer for service)   |
| 2    | 4348474<br>918235<br>915852<br>915854<br>917980<br>910205 | 1<br>2<br>2<br>1<br>1 | LINE, oil, cylinder block to injection pump (Used prior to engine #6-9154)  NUT, Sealastic, 5/16" tube  RING, Sealastic, 5/16" tube (Includes ferrule)  CONNECTOR, Sealastic, 5/16" tube, 1/8"NPT male  CONNECTOR, Sealastic, 5/16" tube, 1/8"NPT female  NIPPLE, pipe, 1/8"NPT x 1-1/4" |
| 3    | 4335557<br>919171   | 1                     | HOSE ASSEMBLY, cylinder block to injection pump (See page 6 for parts)(Effective with engine #6-9154)  CONNECTOR, flare type, 1/4" tube, 1/8"NPT male  |
| 4    | 4337224<br>904206<br>910123                               | 3<br>3<br>3           | STUD, injection pump attaching<br>LOCKWASHER, 3/8"<br>NUT, 3/8"NF  |
| 5    | 4348438<br>916382<br>904206                               | 1<br>3<br>3           | GEAR, injection pump drive CAPSCREW, 3/8"NF x 7/8" LOCKWASHER, 3/8"  |
| 6    | 4347836   | 1                     | WASHER, serrated, injection pump drive gear  |



AGE: Effective with engine serial Nc. 6-10368.

| ITEM | PART NO.                    | QTY.        | DESCRIPTION   |
|------|-----------------------------|-------------|---|
| 1    | 4349851                     | 1           | PUMP ASSEMBLY, fuel injection (See your "Allis-<br>Chalmers" dealer for service)                                      |
| 2 3  | 4347834<br>4347447          | 1 3         | GEAR, injection pump coupling CAPSCREW (thin head, $3/8$ "NF x $3/4$ ")   |
| 4    | 4337224<br>904206<br>910123 | 3<br>3<br>3 | STUD, pump attaching<br>LOCKWASHER, 3/8"<br>NUT, 3/8"NF   |
| 5    | 4335444                     | 1           | SHAFT, timing   |
| 6    | 923663                      | 1           | RING, sealing, timing shaft   |
| 7    | 4346704                     | 1           | SPRING, timing shaft  |
| 8    | 4335931                     | 1           | HOSE ASSEMBLY, cylinder block to injection pump (See page 6 for parts)  |
|      | 920215<br>919249<br>919773  | 1<br>1<br>1 | NIPPLE, hex, 1/8"NPT<br>ELBOW, flare type, 1/4" tube, 1/8"NPT female<br>TEE, flare type, 1/4" tube, 1/8"NPT male side |
| 9    | 4335716                     | 1           | HOSE ASSEMBLY, cylinder block to gear housing (See page 6 for parts)  |



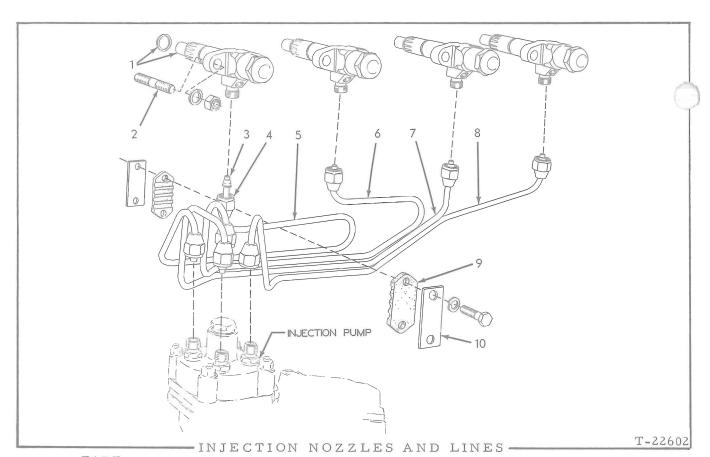
#### FUEL RETURN MANIFOLD

\* Used prior to engine serial No. 6-7790.

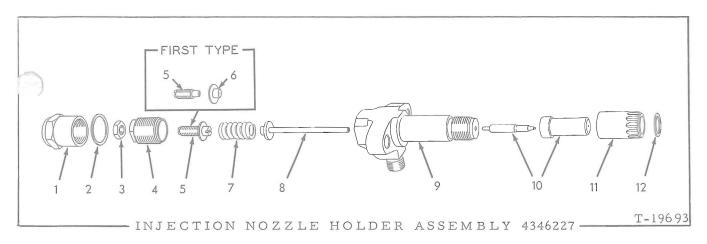
\*\* Used on engines serial No. 6-7790 thru 6-9153.

\*\*\* Effective with engine serial No. 6-9154.(Tractor No. 9157)

| -    |          |       |       | *** | Effective with engine serial No. 6-9154.(Tractor No. 9157)                         |
|------|----------|-------|-------|-----|--|
|      |          |       | QT    | ζ.  |  |
| ITEM | PART NO. | *     | **    |     | DESCRIPTION  |
| 1    | 4348168  | 1     | -     | -   | MANIFOLD ASSEMBLY (Includes NUTS and SLEEVES indented below)                       |
|      | 911437   | 5     | _     | ~   | NUT, compression fitting, 1/4" tube  |
|      | 911435   | 5     | _     | _   | SLEEVE, compression fitting, 1/4" tube   |
|      | 914626   | 1     | -     | -   | CONNECTOR, compression type, 1/4" tube, 1/8"NPT male                               |
| 2    | 4349376  | 4     | -     | -   | ELBOW, compression type, 1/4" tube, 1/8"NPT male                                   |
| 3    | 4040718  | 1     | -     | -   | VALVE ASSEMBLY, pressure relief  |
|      | 914588   | 1     | -     |     | ELBOW, street, brass, 90°, 1/4"NPT   |
|      |          |       |       |     |  |
| 4    | 4348700  | -     | 1     | -   | MANIFOLD ASSEMBLY (Includes NUTS and SLEEVES indented below)                       |
|      | 917809   | bed . | 3     | -   | NUT, Imperial, $1/4$ " tube  |
|      | 918804   | -     | -     | DM1 | NUT, Imperial, 5/16"   |
|      | 917806   | -     |       |     | SLEEVE, Imperial, 1/4" tube  |
|      | 918802   | ***   | 1     |     | SLEEVE, Imperial, 5/16" tube   |
|      | 919040   | 646   | 3     | -   | ELBOW, Imperial, 1/4" tube, 1/8"NPT male   |
| 5    | 4335164  | -     | 1     | -   | TEE, service, Imperial, 5/16" tube, 1/8"NPT male, 1/4"NPT female                   |
| 6    | 4348705  | ~     | 1     | 1   | ELBOW ASSEMBLY (Restricted. Includes NUT and SLEEVE indented below)                |
|      | 918804   | -     | 1     | 1   | NUT, Imperial, 5/16" tube  |
|      | 918802   | _     | ī     | î   | SLEEVE, Imperial, 5/16" tube   |
|      | ,        |       |       |     | ,,,,,,,  |
| ) 7  | 4349685  |       | -     | 1   | TUBE ASSEMBLY, front (Includes NUT and SLEEVE indented below)                      |
|      | 917809   |       |       | 2   | NUT, Imperial, 1/4" tube   |
|      | 918804   |       |       | 1   | NUT, Imperial, 5/16" tube  |
|      | 917806   |       |       |     | SLEEVE, Imperial, 1/4" tube  |
|      | 918802   |       |       | 1   | SLEEVE, Imperial, 5/16" tube   |
|      | 919800   | _     | -     | 2   | CONNECTOR, Imperial, 1/4" tube,<br>1/8"NPT male                                    |
| 8    | 4349686  | fire) | -     | 1   | TUBE ASSEMBLY, rear (Includes NUTS and SLEEVES indented below)                     |
|      | 917809   | -     | -     | 1   | NUT, Imperial, 1/4" tube   |
|      | 918804   | -     | -     |     | NUT, Imperial, 5/16" tube  |
|      | 917806   | -     | -     | 1   | NUT, Imperial, 5/16" tube<br>SLEEVE, Imperial, 1/4" tube                           |
|      | 918802   | -     | -     | 2   | SLEEVE, Imperial, 5/16" tube   |
|      | 919800   | -     | -     | 1   | CONNECTOR, Imperial, 1/4" tube, 1/8"NPT male                                       |
|      | 921143   | ***   | winds | 1   | CONNECTOR, Imperial, 5/16" tube, 1/8"NPT male                                      |
| 9    | 4349644  | -     | -     | 1   | TUBE ASSEMBLY, manifold tubes to filter (Includes NUTS and SLEEVES indented below) |
|      | 918804   | _     | -     | 2   | NUT, Imperial, 5/16" tube  |
|      | 918802   | _     | gre . | 2   | SLEEVE, Imperial, 5/16" tube   |
|      | 919798   |       | _     | 1   | TEE, union, Imperial, 5/16" tube   |
|      | 920548   | 104   | _     | ī   | CONNECTOR, Imperial, 5/16" tube,   |
|      | 740340   |       |       | 1   | 1/4"NPT male   |



|      | PART                        |             |   |
|------|-----------------------------|-------------|---|
| ITEM | NUMBER                      | QTY.        | DESCRIPTION   |
|      | 4346227                     | 4           | HOLDER ASSEMBLY, injection nozzle (See page 77 for parts)(Used on all engines except serial Nos. 6-10284 thru 6-10369 and Nos. 6-10457 thru 6-10488)                    |
| Ι -  | {                           |             |   |
|      | 4378055                     | 4           | HOLDER ASSEMBLY, injection nozzle (See page 78 for parts)(Used only on engines serial No. 6-10284 thru 6-10369 and 6-10457 thru 6-10488. Order HOLDER ASSEMBLY 4346227) |
| 2    | 4335573<br>904206<br>910123 | 8<br>8<br>8 | STUD, injection nozzle holder<br>LOCKWASHER, 3/8"<br>NUT, 3/8"NF  |
| 3    | 4501149                     | 8           | SLEEVE, fuel injection line   |
| 4    | 4504409                     | 8           | NUT, fuel injection line  |
| 5    | 4348175                     | 1           | LINE, fuel injection (#1 cylinder)  |
| 6    | 4348176                     | 1           | LINE, fuel injection (#2 cylinder)  |
| 7    | 4348177                     | 1           | LINE, fuel injection (#3 cylinder)  |
| 8    | 4348178                     | 1           | LINE, fuel injection (#4 cylinder)  |
| 9    | 4507360                     | 2           | SPACER, fuel injection lines (half only)  |
| 10   | 4507416<br>915857<br>904205 | 2<br>2<br>2 | PLATE, fuel injection line spacer CAPSCREW, 5/16"NC x 1-3/8" LOCKWASHER, 5/16"  |
|      |                             |             |   |



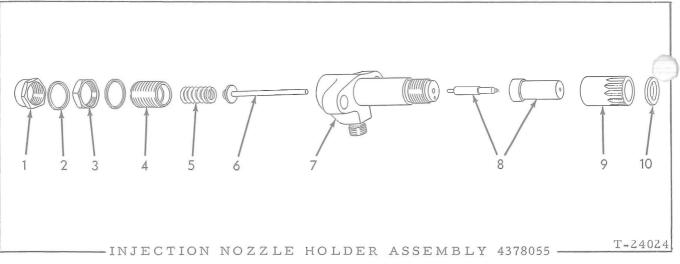
USAGE: See page 76

ITEM PART NO. QTY. DESCRIPTION

| NOTE: | Quantities | indicated | below | are for | one | (1) | Nozzle | Assembly |
|-------|------------|-----------|-------|---------|-----|-----|--------|----------|
|       | only.      |           |       |         |     |     |        |          |
|       | ,          |           |       |         |     |     |        |          |
|       |            |           |       |         |     |     |        |          |

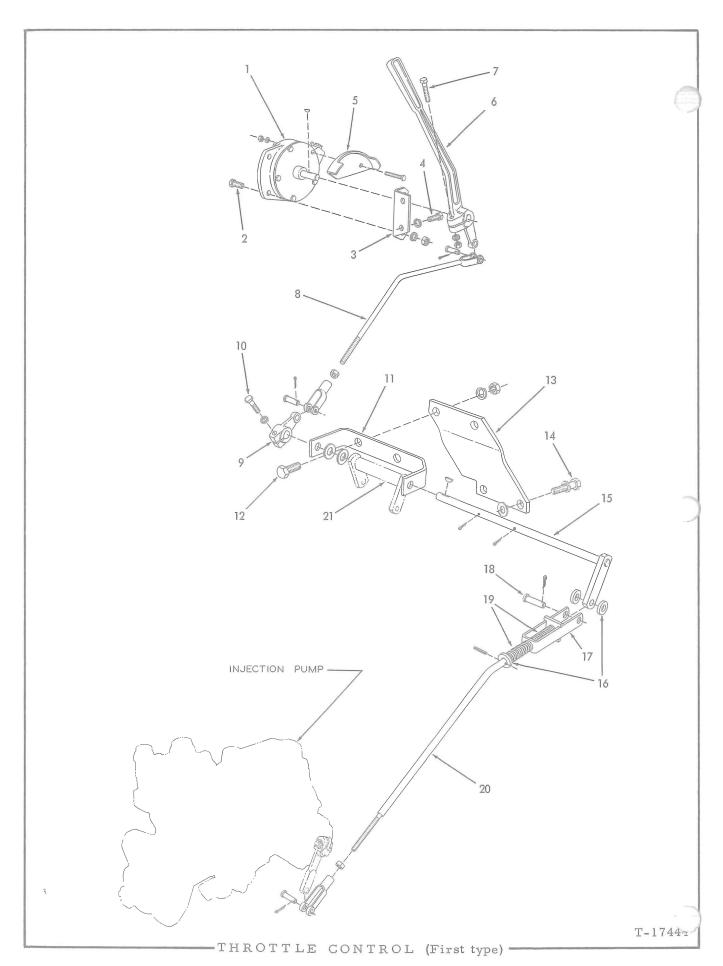
| 1  | 4040099                       | 1 | CAP, nozzle holder   |
|----|-------------------------------|---|--|
| 2  | 4372113                       | 1 | GASKET, nozzle holder cap  |
| 3  | 4040098                       | 1 | NUT, nozzle holder screw   |
| 4  | 4040096                       | 1 | NUT, nozzle holder spring  |
| -  | \$ 4040097                    | 1 | SCREW, nozzle holder spring (First type)(Order SCREW 4047538)                  |
| 5  | 4047538                       | 1 | SCREW, nozzle holder spring (Second type)                                      |
| 6  | 6 4040095 1                   | 1 | SEAT, nozzle holder spring (Used with SCREW 4040097 only)(Order SCREW 4047538) |
| 7  | 4371121                       | 1 | SPRING, nozzle holder  |
| 8  | 4040552                       | 1 | SPINDLE, nozzle holder   |
| 9  | and was pine and also you gon | 1 | BODY, nozzle holder (Not serviced separately)                                  |
| 10 | 4380445                       | 1 | NOZZLE ASSEMBLY, injection (1 body and 1 valve)                                |
| 11 | 4511217                       | 1 | NUT, injection nozzle  |
| 12 | 4511204                       | 1 | GASKET, injection nozzle holder  |
|    |                               |   |  |

□Also see PACKAGED PARTS



| USAGE: | See | page | 76 |
|--------|-----|------|----|
|        |     |      |    |

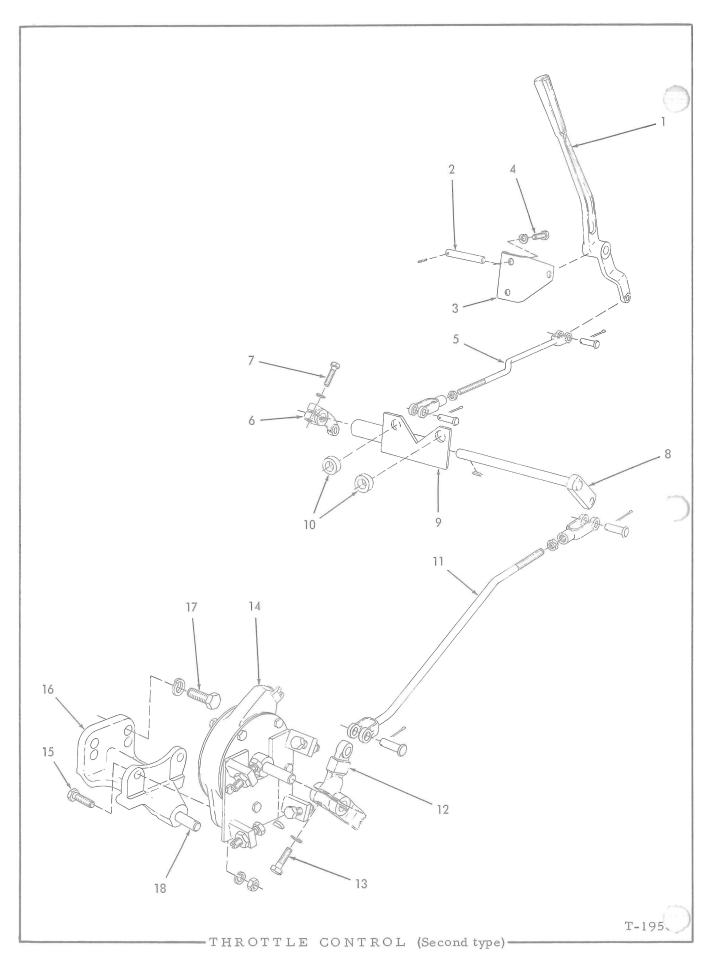
| ITEM | PART NO.                   | QTY. | DESCRIPTION  |
|------|----------------------------|------|--|
|      |                            |      | NOTE: Quantities indicated are for one (1) Nozzle Assembly only.     |
| 1    | 4511215                    | 1    | NUT, nozzle holder   |
| 2    | 4511243                    | 2    | GASKET, nozzle holder nut  |
| 3    | 4511213                    | 1    | LOCKNUT, nozzle holder screw   |
| 4    | 4511214                    | 1    | SCREW, nozzle holder spring  |
| 5    | 4380652                    | 1    | SPRING, nozzle holder  |
| 6    |                            | 1    | SPINDLE, nozzle holder (Not serviced separately)                     |
| 7    | that the time one that the | 1    | BODY, nozzle holder (Not serviced separately)                        |
| 8    | 4380445                    | 1    | NOZZLE ASSEMBLY, injection (Consists of 1 body, 1 valve and item 10) |
| 9    | 4511217                    | 1    | NUT, injection nozzle  |
| 10   | 4511204                    | 1    | GASKET, injection nozzle holder                                      |



### THROTTLE CONTROL

USAGE: Tractors prior to serial No. 9157.

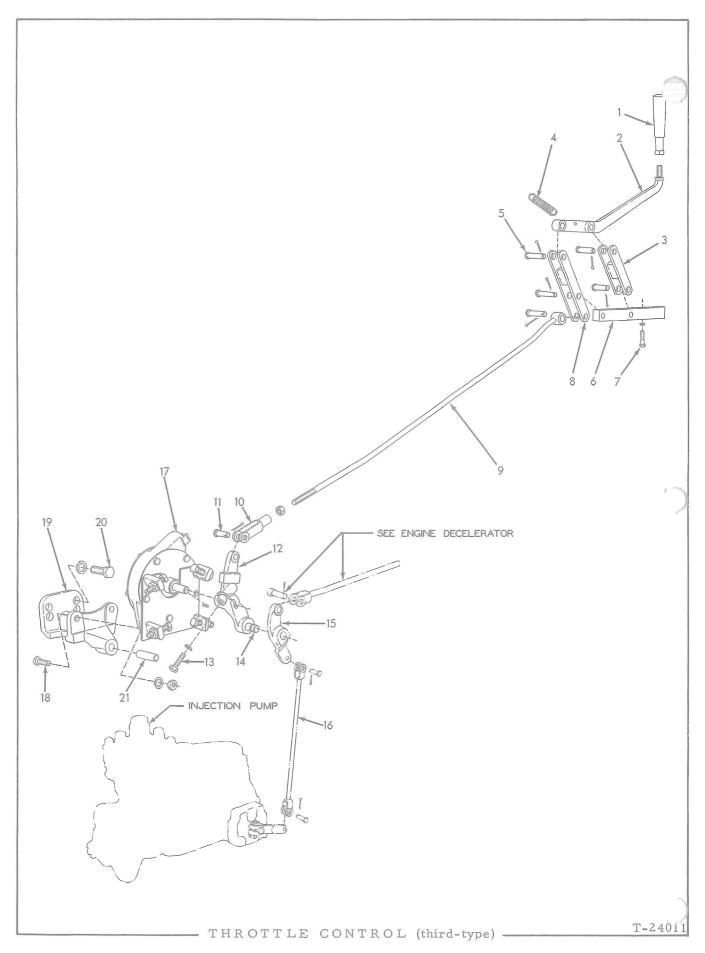
| 002202 |                         |        |   |
|--------|-------------------------|--------|---|
| ITEM   | PART NO.                | QTY.   | DESCRIPTION                               |
| 1      | 068871                  | 1      | THROTTLE ASSEMBLY (See page 96 for parts) |
| 2      | 036034                  | 2      | CAPSCREW, 3/8"NF x 1"                     |
|        | 904206                  | 2      | LOCKWASHER, 3/8"                          |
|        | 911041                  | 2      | NUT, 3/8"NF                               |
| 3      | 085963                  | 1      | BRACKET, throttle mounting                |
| 4      | 036034                  | 2      | CAPSCREW, 3/8"NF x 1"                     |
|        | 904206                  | 2      | LOCKWASHER, 3/8"                          |
| 5      | 088464                  | 1      | BRACKET, throttle lever stop              |
|        | 916933                  | 2      | CAPSCREW, 1/4"NF x 2"                     |
|        | 904204                  | 2      | LOCKWASHER, 1/4"                          |
|        | 911040                  | 2      | NUT, 1/4"NF                               |
| 6      | 088449                  | 1      | LEVER, operating                          |
|        | 905121                  | 1      | KEY, #5 woodruff, 1/8" x 5/8"             |
| 7      | 041981                  | 1      | CAPSCREW, $5/16$ "NF x $1-1/2$ "          |
|        | 904205                  | 1      | LOCKWASHER, 5/16"                         |
|        | 913636                  | 1      | NUT, 5/16"NF                              |
| 8      | 088480                  | 1      | ROD, rear                                 |
|        | 911041                  | 1      | NUT, 3/8"NF                               |
|        | 628736                  | 1      | YOKE, rod end, adjustable, 3/8"NF         |
|        | 078810                  | 2      | PIN, yoke, 3/8" diam.                     |
|        | 900942                  | 2      | PIN, cotter, 3/32" x 5/8"                 |
| 9      | 040517                  | 1      | LEVER, throttle cross shaft               |
|        | 905121                  | 1      | KEY, #5 woodruff, 1/8" x 5/8"             |
| LQ     | 037450                  | 1      | CAPSCREW, $5/16$ "NC x $1-1/4$ "          |
| )      | 904205                  | 1      | LOCKWASHER, 5/16"                         |
| 11     | 088445                  | 1      | BRACKET, cross shaft                      |
| 12     | 070469                  | 2      | CAPSCREW, $1/2$ "NF x $1-1/4$ "           |
|        | 904208                  | 2      | LOCKWASHER, 1/2"                          |
|        | 911043                  | 2      | NUT, 1/2"NF                               |
| 13     | 088444                  | 1      | PLATE, supporting, cross shaft bracket    |
|        | 910244                  | 2      | WASHER, plain, SAE std., 1/2"             |
| 14     | and you got you day dow | 2      | CAPSCREW (See ENGINE AND MOUNTING)        |
|        |                         |        |   |
| 15     | 088494                  | 1      | SHAFT, cross                              |
|        | 910244                  | 3      | WASHER, plain, SAE std., 1/2"             |
|        | 910967                  | 2      | PIN, cotter, 1/8" x 7/8"                  |
| 16     | 044973                  | 3      | WASHER, front rod                         |
| 17     | 078967                  | 1      | YOKE, front rod, rear end                 |
| 1.0    |                         | ,      | Day 6                                     |
| 18     | 082875                  | l<br>1 | PIN, front rod rear yoke                  |
|        | 900942                  | 1      | PIN, cotter, 3/32" x 5/8"                 |
| 19     | 035910                  | 2      | SPRING, front rod                         |
| 20     | 088367                  | 1      | ROD, front                                |
|        | 911040                  | Ì      | NUT, 1/4"NF                               |
|        | 628737                  | 1      | YOKE, rod end, adjustable, 1/4"NF         |
|        | 628738                  | 1      | PIN, yoke, 1/4" diam.                     |
|        | 900970                  | 1      | PIN, cotter, 1/16" x 1/2"                 |
| )      | 916202                  | 1      | PIN, roll, 1/8" x 7/8"                    |
| 21     |                         | -      | LEVER (See ENGINE SHUT-OFF CONTROL)       |



### THROTTLE CONTROL

USAGE: Tractors serial No. 9157 thru 11093.

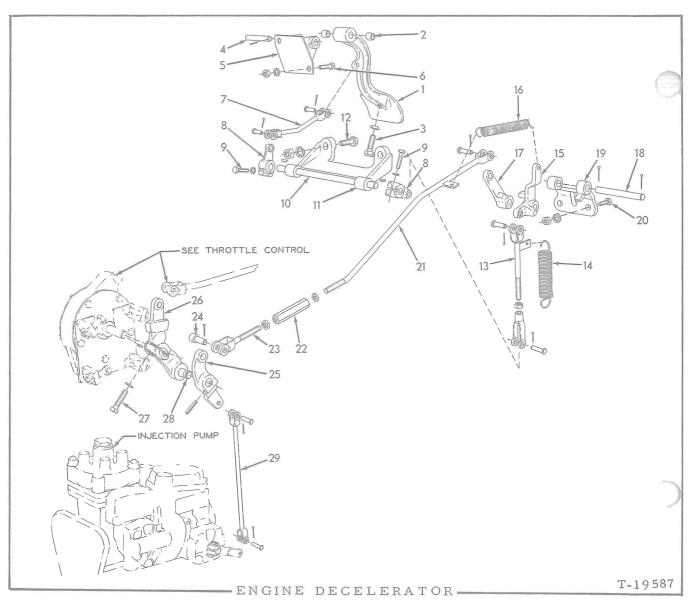
| ITEM     | PART NO.                                       | QTY.                  | DESCRIPTION   |
|----------|--|-----------------------|---|
| T        | 094996   | 1                     | LEVER, operating  |
| 2        | 095435<br>918111                               | 1                     | SHAFT, operating lever PIN, roll, 1/8" x 1"   |
| 3<br>4   | 094993<br>036032<br>904206                     | 1<br>2<br>2           | BRACKET, operating lever CAPSCREW, 3/8"NF x 3/4" LOCKWASHER, 3/8"   |
| 5        | 094995<br>911041<br>628736<br>078810<br>900942 | I<br>1<br>1<br>2<br>2 | ROD, rear NUT, 3/8"NF YOKE, rod end, adjustable, 3/8"NF PIN, yoke, 3/8" diam. PIN, cotter, 3/32" x 5/8"     |
| 6<br>7   | 055416<br>905121<br>037450<br>904205           | 1<br>1<br>1           | LEVER, rear rod  KEY, #5 woodruff, 1/8" x 5/8"  CAPSCREW, 5/16"NC x 1-1/4"  LOCKWASHER, 5/16"               |
| 8        | 094309   | 1,                    | SHAFT, cross  |
| 9        | 098151   | 1                     | BRACKET, cross shaft  |
| 10       | 050679   | 2                     | SPACER, cross shaft bracket   |
| 11       | 094284<br>911041<br>628736<br>078810<br>900942 | 1<br>1<br>1<br>2<br>2 | ROD, front NUT, 3/8"NF YOKE, rod end, adjustable, 3/8"NF PIN, yoke, 3/8" diam. PIN, cotter, 3/32" x 5/8"    |
| 12<br>13 | 905121<br>045295<br>904205                     | 1<br>1<br>1           | BELLCRANK (See THROTTLE DECELERATOR) KEY, #5 woodruff, 1/8" x 5/8" CAPSCREW, 5/16"NC x 1" LOCKWASHER, 5/16" |
| 14<br>15 | 095536<br>012992<br>904206<br>911041           | 1<br>2<br>2<br>2      | THROTTLE ASSEMBLY(See page 96 for parts) CAPSCREW, 3/8"NF x 1-1/4" LOCKWASHER, 3/8" NUT, 3/8"NF             |
| 16<br>17 | 094997<br>035733<br>904208                     | 1<br>2<br>2           | BRACKET ASSEMBLY, throttle supporting (Includes item 18)  CAPSCREW, 1/2"NC x 1-3/8"  LOCKWASHER, 1/2"       |
| 18       | 094998   | 1                     | PIN, throttle bracket   |



### THROTTLE CONTROL

USAGE: Tractors serial No. 11094 and up

| IT-1     | PART NO.                                       | QTY.                  | DESCRIPTION  |
|----------|--|-----------------------|--|
| I        | 078620   | 1                     | GRIP, throttle lever   |
| 2        | 097667   | 1                     | LEVER, throttle operating  |
| 3        | 098021   | 1                     | LINK, throttle lever   |
| 4        | 605603   | 1                     | SPRING, throttle lever   |
| 5        | 098813<br>910967                               | 5<br>5                | PIN, throttle lever PIN, cotter, 1/8" x 7/8"   |
| 6<br>7   | 098019<br>035336<br>904206                     | 1<br>2<br>2           | BAR, supporting, throttle lever CAPSCREW, 3/8"NF x 1-3/4" LOCKWASHER, 3/8"   |
| 8        | 098023   | 1                     | LEVER, connecting  |
| 9        | 098690<br>911041                               | 1                     | ROD, control<br>NUT, 3/8"NF  |
| 10       | 628736   | 1                     | YOKE, control rod  |
| 11       | 078810<br>900942                               | 1<br>1                | PIN, control rod yoke PIN, cotter, 3/32" x 5/8"  |
| 12<br>13 | 095555<br>045295<br>904205                     | 1<br>1<br>1           | BELLCRANK ASSEMBLY, throttle (Includes item 14) CAPSCREW, 5/16"NC x 1" LOCKWASHER, 5/16"   |
| )        | 096258   | 1                     | PIN, bellcrank   |
| 15       | \$10 NO SAN AND LITE SAN                       | 1                     | BELLCRANK (See ENGINE DECELERATOR)   |
| 16       | em cas em em cas                               | 1                     | ROD (See ENGINE DECELERATOR)   |
| 17<br>18 | 095536<br>905121<br>012992<br>904206<br>911041 | 1<br>1<br>2<br>2<br>2 | THROTTLE ASSEMBLY (See page 96 for parts)  KEY, #5 woodruff, 1/8" x 5/8"  CAPSCREW, 3/8"NF x 1-1/4"  LOCKWASHER, 3/8"  NUT, 3/8"NF |
| 19<br>20 | 094997<br>035733<br>904208                     | 1<br>2<br>2           | BRACKET ASSEMBLY, throttle supporting (Includes item 21) CAPSCREW, 1/2"NC x 1-3/8" LOCKWASHER, 1/2"                                |
| 21       | 094998   | 1                     | PIN, throttle bracket  |

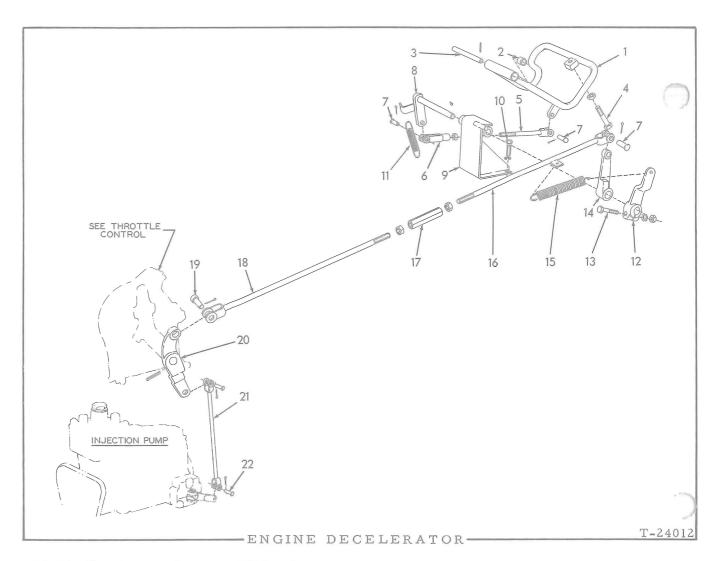


USAGE: Tractors serial No. 9157 thru 11093.

| ITEM   | PART NO. QTY.                                | DESCRIPTION   |
|--------|--|---|
| 1      | 095374 1                                     | PEDAL ASSEMBLY (Includes item 2)  |
| 2      | 049988 2                                     | BUSHING, pedal  |
| 3      | 035733 1<br>911035 1                         | CAPSCREW, pedal stop (1/2"NC x 1-3/8")<br>NUT, jam, 1/2"NC                  |
| 4      | 095435 1<br>918111 1                         | SHAFT, pedal<br>PIN, roll, 1/8" x 1"  |
| 5<br>6 | 095347 1<br>012992 2<br>904206 2<br>911041 2 | BRACKET, pedal shaft CAPSCREW, 3/8"NF x 1-1/4" LOCKWASHER, 3/8" NUT, 3/8"NF |

### ENGINE DECELERATOR (Continued)

|          | PART   |                  | ENGINE DECELERATOR (Continued)   |
|----------|--|------------------|--|
| ITEM     |  | QTY.             | DESCRIPTION  |
| 1        | 095321<br>078810<br>900942                     | 1<br>2<br>2      | ROD, pedal<br>PIN, yoke, 3/8" diam.<br>PIN, cotter, 3/32" x 5/8"   |
| 8<br>9   | 040517<br>905121<br>037450<br>904205           | 2<br>2<br>2<br>2 | LEVER, cross shaft  KEY, #5 woodruff, 1/8" x 5/8"  CAPSCREW, 5/16"NC x 1-1/4"  LOCKWASHER, 5/16"                       |
| 10       | 095396   | 1                | SHAFT, cross   |
| 11<br>12 | 095399<br>035018<br>904208<br>911043           | 1<br>2<br>2<br>2 | BRACKET, cross shaft CAPSCREW, 1/2"NF x 1-1/2" LOCKWASHER, 1/2" NUT, 1/2"NF  |
| 13       | 095397<br>911041<br>628736<br>078810<br>900942 | 1<br>1<br>2<br>2 | ROD, control  NUT, 3/8"NF  YOKE, rod end, adjustable, 3/8"NF  PIN, yoke, 3/8" diam.  PIN, cotter, 3/32" x 5/8"         |
| 14       | 043881   | 1                | SPRING, pedal retracting   |
| 15       | 095500   | 1                | BELLCRANK  |
| 16       | 072438   | 1                | SPRING, rod actuating  |
| 17       | 095525   | 1                | LEVER, control rod   |
| . 8      | 095402<br>910967                               | 1 2              | SHAFT, bellcrank and lever PIN, cotter, 1/8" x 7/8"  |
| 19<br>20 | 095417<br>012992<br>904206<br>911041           | 1<br>2<br>2<br>2 | BRACKET, shaft CAPSCREW, 3/8"NF x 1-1/4" LOCKWASHER, 3/8" NUT, 3/8"NF  |
| 21       | 095496<br>919763<br>078810<br>900942           | 1<br>1<br>1      | ROD, control  NUT, 3/8"NF, left hand thread  PIN, yoke, 3/8" diam.  PIN, cotter, 3/32" x 5/8"                          |
| 22       | 095421   | 1                | NUT, rod adjusting   |
| 23       | 096191<br>911041                               | 1                | ROD, control<br>NUT, 3/8"NF  |
| 24       | 083625<br>900942                               | 1<br>1           | PIN, control rod<br>PIN, cotter, 3/32" x 5/8"  |
| 25       | 095213<br>916001                               | 1                | BELLCRANK, control rod<br>PIN, roll, 3/16" x 1"  |
| 26<br>27 | 095555<br>905121<br>045295<br>904205           | 1<br>1<br>1      | BELLCRANK ASSEMBLY, throttle (Includes item 28) KEY, #5 woodruff, 1/8" x 5/8" CAPSCREW, 5/16"NC x 1" LOCKWASHER, 5/16" |
| 28       | 096258   | 1                | PIN, bellcrank   |
| 29       | 094287<br>628738<br>900970                     | I<br>2<br>2      | ROD, bellcrank to pump PIN, yoke, 1/4" diam. PIN, cotter, 1/16" x 1/2"   |



USAGE: Tractors serial No. 11094 and up

| ITEM | PART NO.         | QTY.   | DESCRIPTION   |
|------|------------------|--------|---|
| 1    | 098392           | 1      | LEVER ASSEMBLY, pedal (Includes item 2)                           |
| 2    | 063222           | 2      | BUSHING, pedal lever  |
| 3    | 098389<br>918111 | 1<br>1 | SHAFT, pedal lever<br>PIN, roll, 1/8" x 1"                        |
| 4    | 035068<br>913830 | 1      | CAPSCREW, pedal stop (1/2"NF $\times$ 2-1/4")<br>NUT, jam, 1/2"NF |
| 5    | 637549<br>911041 | 1      | ROD, pedal lever<br>NUT, 3/8"NF                                   |
| 6    | 628736           | 1      | YOKE, pedal lever rod   |
| 7    | 078810<br>900942 | 3      | PIN, control rod yoke (3/8" diam.)<br>PIN, cotter, 3/32" x 5/8"   |
| 8    | 097647<br>905121 | 1      | SHAFT, cross<br>KEY, #5 woodruff, 1/8" x 5/8"                     |

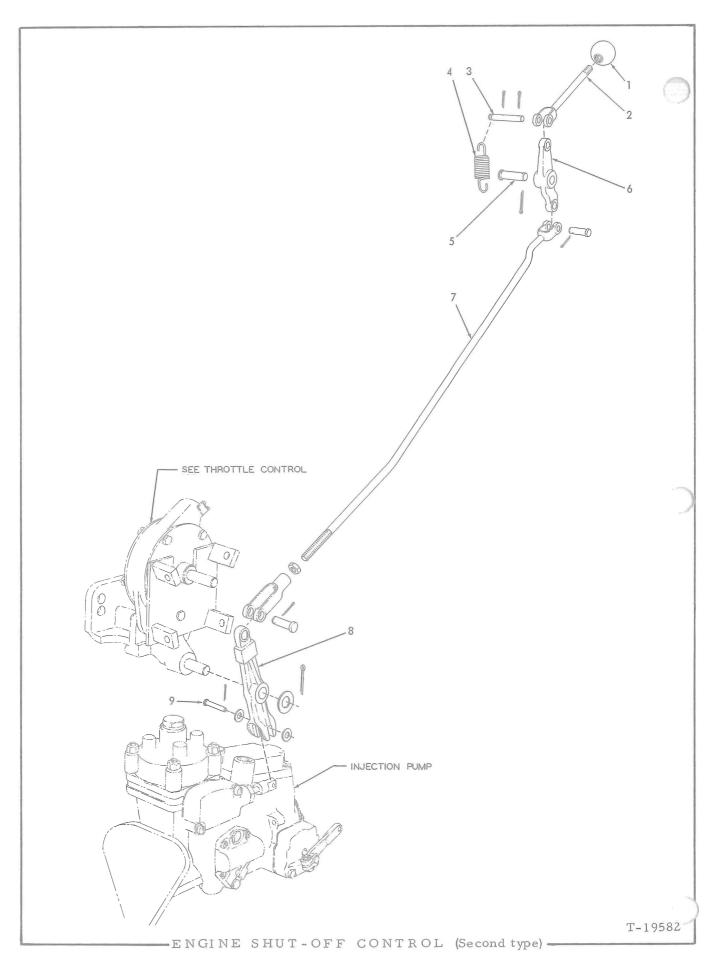
# ENGINE DECELERATOR (Continued)

| ITEM     | PART NO.                             | QTY.        | DESCRIPTION  |
|----------|--------------------------------------|-------------|--|
| 01       | 097648<br>012992<br>904206           | 1<br>2<br>2 | BRACKET, cross shaft<br>CAPSCREW, 3/8"NF x 1-1/4"<br>LOCKWASHER, 3/8"        |
| 11       | 605603                               | 1           | SPRING, cross shaft  |
| 12<br>13 | 097646<br>041981<br>904205<br>913636 | 1<br>1<br>1 | LEVER, cross shaft CAPSCREW, 5/16"NF x 1-1/2" LOCKWASHER, 5/16" NUT, 5/16"NF |
| 14       | 095525                               | 1           | LEVER, cross shaft   |
| 15       | 072438                               | 1           | SPRING, cross shaft lever  |
| 16       | 097670<br>919763                     | 1<br>1      | ROD, control adjustment, rear<br>NUT, 3/8"NF, left hand thread               |
| 17       | 095421                               | 1           | NUT, control adjustment  |
| 18       | 097668<br>911041                     | 1<br>1      | ROD, control adjustment, front NUT, 3/8"NF                                   |
| 19       | 083625<br>900942                     | 1<br>1      | PIN, front control rod<br>PIN, cotter, 3/32" x 5/8"                          |
| 20       | 095213<br>916001                     | 1<br>1      | BELLCRANK, control rod<br>PIN, roll, 3/16" x 1"                              |
| 24       | 094287                               | 1           | ROD, bellcrank to pump   |
| 22       | 628738<br>900970                     | 2 2         | PIN, bellcrank rod (1/4" diam.)<br>PIN, cotter, 1/16" x 1/2"                 |

### ENGINE SHUT-OFF CONTROL

USAGE: Tractors prior to serial No. 9157

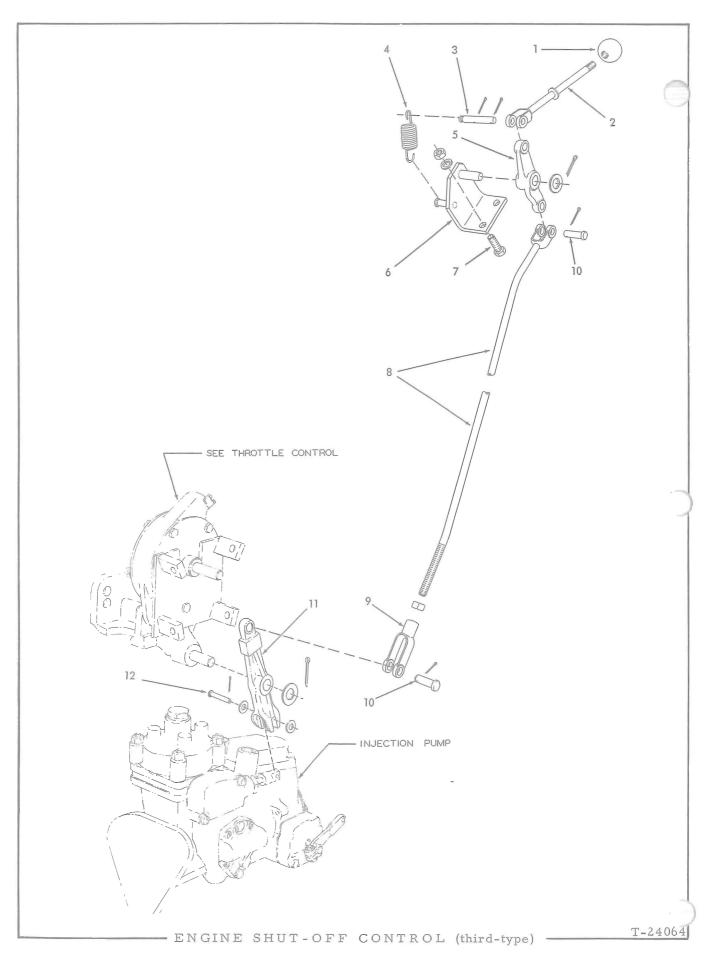
| I. | PART NO.   | QTY.                  | DESCRIPTION  |
|----|--|-----------------------|--|
| 1  | 091855   | 1                     | KNOB   |
| 2  | 084526<br>911048   | 1<br>2                | ROD, rear<br>NUT, jam, 3/8"NF  |
| 3  | 088566<br>900942   | 1<br>2                | PIN, rear rod yoke<br>PIN, cotter, 3/32" x 5/8"  |
| 4  | 088428<br>912177<br>911040                               | 1<br>1<br>2           | SPRING, upper lever<br>CAPSCREW, 1/4"NF x 1-1/4"<br>NUT, 1/4"NF  |
| 5  | 088441   | I                     | LEVER, upper   |
| 6  | 084741<br>910967   | I<br>2                | PIN, upper lever<br>PIN, cotter, 1/8" x 7/8"   |
| 7  | 088462<br>911041<br>628736<br>078810<br>900942           | 1<br>1<br>2<br>2      | ROD, intermediate NUT, 3/8"NF YOKE, rod end, adjustable, 3/8"NF PIN, yoke, 3/8" diam. PIN, cotter, 3/32" x 5/8"                      |
| 8  | 088439   | 1                     | LEVER, lower   |
| 9  | 088460<br>911041<br>628736<br>078810<br>900942<br>916202 | 1<br>1<br>1<br>1<br>1 | ROD, front  NUT, 3/8"NF  YOKE, rod end, adjustable, 3/8"NF  PIN, yoke, 3/8" diam.  PIN, cotter, 3/32" x 5/8"  PIN, roll, 1/8" x 7/8" |
| 10 | 081672   | 1                     | SPACER, front rod spring   |
| 11 | 088544   | 1                     | YOKE, front rod  |
| 12 | 088470<br>900970   | 1                     | PIN, front rod yoke<br>PIN, cotter, 1/16" x 1/2"   |
| 13 | 088473   | 2                     | SPACER, front rod yoke   |
| 14 | 035910   | 2                     | SPRING, front rod  |



# ENGINE SHUT-OFF CONTROL

USAGE: Tractors serial No. 9157 thru 11093.

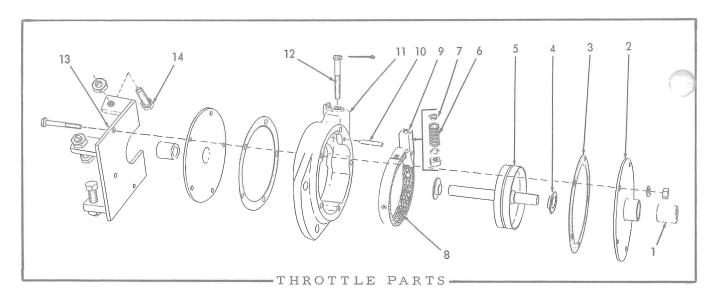
| ITEM | PART NO.                                       | QTY.        | DESCRIPTION  |
|------|--|-------------|--|
| 1    | 091855   | 1           | KNOB   |
| 2    | 094289   | 1           | ROD, rear  |
| 3    | 088566<br>900942                               | 1<br>2      | PIN, rear rod<br>PIN, cotter, 3/32" x 5/8"   |
| 4    | 088448   | 1           | SPRING, bellcrank  |
| 5    | 094317<br>910967                               | 1           | PIN, bellcrank pivot<br>PIN, cotter, 1/8" x 7/8"   |
| 6    | 094285   | 1           | BELLCRANK, rear  |
| 7    | 094286<br>911041<br>626736<br>078810<br>900942 | 1           | ROD, front  NUT, 3/8"NF  YOKE, rod end, adjustable, 3/8"NF  PIN, yoke, 3/8" diam.  PIN, cotter, 3/32" x 5/8" |
| 8    | 094987<br>910244<br>910967                     |             | BELLCRANK, front<br>WASHER, plain, SAE std., 1/2"<br>PIN, cotter, 1/8" x 7/8"                                |
| 9    | 088470<br>911114<br>900970                     | 1<br>2<br>1 | PIN, front bellcrank WASHER, plain, SAE std., 1/4" PIN, cotter, 1/16" x 1/2"                                 |



### ENGINE SHUT-OFF CONTROL

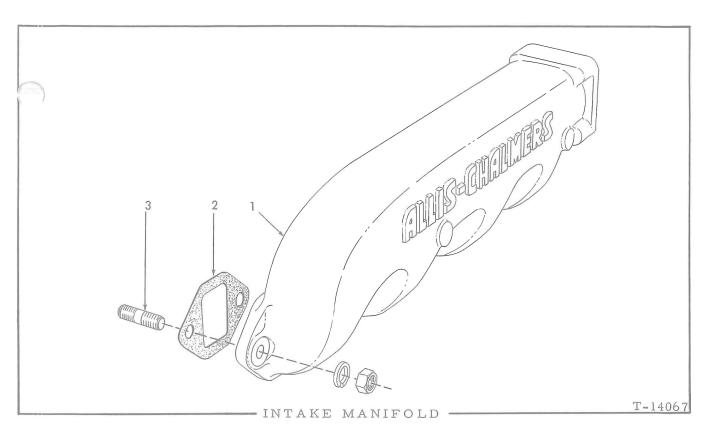
USAGE: Tractors serial No. 11094 and up

| M      | PART NO.   | QTY.                  | DESCRIPTION   |
|--------|--|-----------------------|---|
| I      | 091855   | 1                     | KNOB  |
| 2      | 620373   | 1                     | ROD, rear   |
| .3     | 088566<br>900942   | 1 2                   | PIN, rear rod<br>PIN, cotter, 3/32" x 5/8"  |
| 4      | 088428   | 1                     | SPRING, bellcrank   |
| 5      | 094285   | 1                     | BELLCRANK, rear   |
| 6<br>7 | 097705<br>910244<br>910967<br>012992<br>904206<br>911041 | 1<br>1<br>2<br>2<br>2 | ANGLE, supporting, rear bellcrank WASHER, plain, SAE std., 1/2" PIN, cotter, 1/8" x 7/8" CAPSCREW, 3/8"NF x 1-1/4" LOCKWASHER, 3/8" NUT, 3/8"NF |
| 8      | 097685<br>911041   | 1                     | ROD, front<br>NUT, 3/8"NF   |
| 9      | 628736   | 1                     | YOKE, front rod   |
| 0.1    | 078810<br>900942   | 2 2                   | PIN, front rod yoke<br>PIN, cotter, 3/32" x 5/8"  |
| 11     | 094987<br>910244<br>910967                               | 1<br>1<br>1           | BELLCRANK, front<br>WASHER, plain, SAE std., 1/2"<br>PIN, cotter, 1/8" x 7/8"   |
| 12     | 088470<br>911114<br>900970                               | 1<br>2<br>1           | PIN, front bellcrank WASHER, plain, SAE std., 1/4" PIN, cotter, 1/16" x 1/2"  |

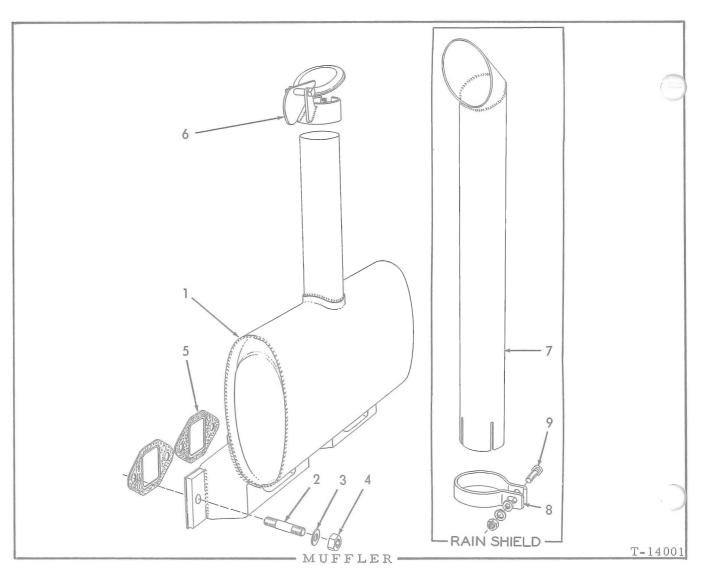


\* 068871 THROTTLE ASSEMBLY (See page 81). \*\* 095536 THROTTLE ASSEMBLY (See pages 83 and 85)

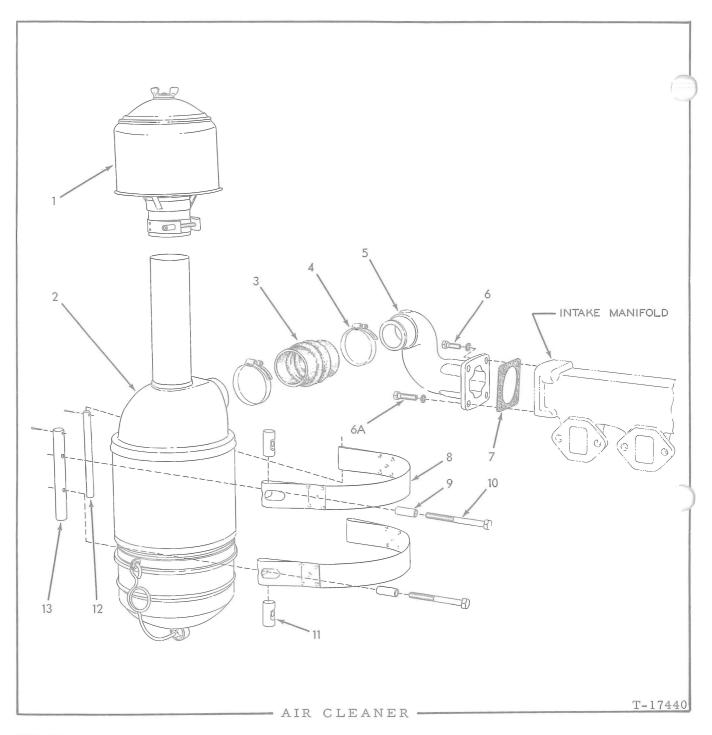
|      |  | Q           | ΓY.                   | · · · · · · · · · · · · · · · · · · ·  |
|------|--|-------------|-----------------------|--|
| ITEM | PART NO.                                       | *           | **                    | DESCRIPTION  |
| 1    | 071800   | 2           | 2                     | BUSHING, throttle shaft  |
| 2    | 068866<br>914892                               | 2<br>5      | 2                     | PLATE ASSEMBLY, housing cover (Includes item 1) CAPSCREW, $1/4$ "NF x $1-3/4$ "          |
|      | 904204<br>911040                               | 5<br>5      | -                     | LOCKWASHER, I/4"<br>NUT, I/4"NF  |
| 3    | 068865   | 2           | 2                     | GASKET, cover plate  |
| 4    | 069996   | 2           | 2                     | WASHER, thrust   |
| 5 -  | 069998   | 1           | -                     | DRUM AND SHAFT (4-3/8" long)   |
|      | 0 9 5 5 3 5                                    |             | 1                     | DRUM AND SHAFT (4" long)   |
| 6    | 068911   | I           | 1                     | SPRING, friction band  |
| 7    | 069349   | 2           | 2                     | COLLAR, friction band spring   |
| 8    | 068864<br>915707                               | 1<br>4      | 1<br>4                | LINING, friction band<br>RIVET, tubular, brass, 1/4" x 9/64"                             |
| 9    | 068861   | 1           | 1                     | BAND ASSEMBLY, friction (Includes item 8)  |
| 10   | 068869   | 1           | 1                     | PIN, friction band   |
| 11   | 068859   | 1           | 1                     | HOUSING  |
| 12   | 068862<br>904020<br>901150                     | 1<br>1<br>1 | 1<br>1<br>1           | CAPSCREW, friction band adjustment PIN, cotter, 1/16" x 1" NUT, square, 1/4"NC           |
| 13   | 094990<br>916933<br>914892<br>904204<br>911040 |             | 1<br>3<br>2<br>5<br>5 | PLATE, stop CAPSCREW, 1/4"NF x 2" CAPSCREW, 1/4"NF x 1-3/4" LOCKWASHER, 1/4" NUT, 1/4"NF |
| 14   | 0 942 90<br>9110 34                            | 1           | 4<br>4                | CAPSCREW, stop (3/8"NC x 1-1/2")<br>NUT, jam, 3/8"NC                                     |



| ITEM | PART NO.                    | QTY.        | DESCRIPTION   |
|------|-----------------------------|-------------|---|
| 1    | 4349881<br>901652           | 1<br>2      | MANIFOLD, intake<br>PLUG, pipe, 1/4"NPT (Early units)       |
| ( )  | 4346138                     | 4 [         | GASKET, intake manifold                                     |
| 3    | 4346208<br>904208<br>910325 | 8<br>8<br>8 | STUD, manifold attaching<br>LOCKWASHER, 1/2"<br>NUT, 1/2"NC |
|      |                             |             | ] Also see PACKAGED PARTS                                   |



| ITEM             | PART NO.                                       | QTY.             | DESCRIPTION   |
|------------------|--|------------------|---|
| I<br>2<br>3<br>4 | 086767<br>4346208<br>4371107<br>4253270        |                  | MUFFLER, exhaust STUD WASHER, plain NUT   |
| 5                | 4338511  | 4                | GASKET, muffler to cylinder head  |
|                  |  |                  | NOTE: The following items are Special Equipment and are applicable to tractors prior to serial No. 11094 only. See HOOD section for later design. |
| 6                | 068963   | 1                | RAINCAP, exhaust pipe   |
| 7                | 077250   | 1                | SHIELD, rain, exhaust pipe  |
| 8<br>9           | 077247<br>203188<br>900817<br>904206<br>911041 | 1<br>1<br>1<br>1 | CLAMP, exhaust pipe rain shield CAPSCREW, 3/8"NF x 1-1/2" WASHER, plain, U.S. std., 3/8" LOCKWASHER, 3/8" NUT, 3/8"NF                             |
|                  |  |                  | ]Also see PACKAGED PARTS  |



USAGE: Tractors prior to serial No. 11094.

| ITEM | PART NO. | QTY. | DESCRIPTION  |
|------|----------|------|--|
| 1    | 044961   | 1    | PRE-CLEANER ASSEMBLY, air (See page 104 for parts) |
| 2    | 085999   | 1    | CLEANER ASSEMBLY, air (See page 104 for parts)     |
| 3    | 086426   | 1    | HOSE, corrugated                                   |

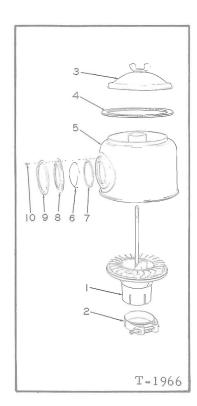
#### AIR CLEANER (Continued)

|      | PART             |        |   |  |  |
|------|------------------|--------|---|--|--|
| ITEM |                  | QTY.   | DESCRIPTION   |  |  |
| 4    | 921914           | 2      | CLAMP, hose, adjustable, 2-5/16" to 3-1/4" diam.                                      |  |  |
| 5    | 085886           | 1      | ELBOW, air intake (Also see pages 111 and 113 for special elbow used with AIR HEATER) |  |  |
| 6    | 035190           | 2 2    | CAPSCREW, 1/2"NC x 1-1/2" CAPSCREW, 1/2"NC x 1-1/2" (Used prior to tractor #9157)     |  |  |
| 6A - | 921556           | 2      | CAPSCREW, 1/2"NC x 2" (Effective with tractor #9157)                                  |  |  |
|      | 904208           | 4      | LOCKWASHER, 1/2"  |  |  |
| 7    | 086757           | 1      | GASKET, air intake elbow  |  |  |
| 8    | 087251           | 2      | BAND, air cleaner mounting  |  |  |
| 9    | 053667           | 2      | SPACER, mounting band capscrew  |  |  |
| 10   | 086238           | 2      | CAPSCREW, air cleaner mounting band   |  |  |
| 11   | 050735           | 2      | PIN, mounting band (short)  |  |  |
| 12   | 087308<br>900806 | 1<br>1 | PIN, mounting band<br>PIN, cotter, 1/8" x 1"  |  |  |
| 13   | 087309<br>900807 | 1      | PIN, mounting band (long) PIN, cotter, 1/8" x 1-1/4"                                  |  |  |

## AIR CLEANER

USAGE: Effective with tractor serial No. 11094.

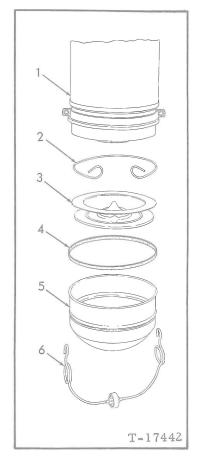
| ITW      | PART NO.                                       | QTY.             | DESCRIPTION   |  |
|----------|--|------------------|---|--|
| 1        | 044961   | 1                | PRE-CLEANER ASSEMBLY, air (See page 104 for parts)  |  |
| 2        | 085999   | 1                | CLEANER ASSEMBLY, air (See page 104 for parts)  |  |
| 3        | 086426   | 2                | HOSE, corrugated  |  |
| 4        | 921914   | 4                | CLAMP, hose, adjustable, 2-5/16" to 3-1/4" diam.  |  |
| 5        | 097790<br>901652                               | 1                | TUBE, air intake PLUG, pipe, 1/4"NPT (Used only when air heater is installed in place of engine primer)                                 |  |
| 6        | 097793   | 1                | ELBOW, air intake (Also see page 113 for special elbow used with AIR HEATER)  |  |
| 7<br>8   | 035190<br>921556<br>904208                     | 2<br>2<br>4      | CAPSCREW, 1/2"NC x 1-1/2" CAPSCREW, 1/2"NC x 2" LOCKWASHER, 1/2"  |  |
| 9        | 086757   | 1                | GASKET, air intake elbow  |  |
| 10       | 086238   | 2                | CAPSCREW, air cleaner mounting band   |  |
| 11       | 053667   | 2                | SPACER, mounting band capscrew  |  |
| 12       | 086239   | 2                | BAND, air cleaner mounting  |  |
| 13       | 050735   | 2                | PIN, mounting band (short)  |  |
| )        | 085973<br>900805                               | 1<br>1           | PIN, mounting band<br>PIN, cotter, 1/8" x 3/4"  |  |
| 15       | 085974<br>900807                               | 1<br>1           | PIN, mounting band (long) PIN, cotter, 1/8" x 1-1/4"  |  |
| 16<br>17 | 097098<br>070469<br>904208<br>911043<br>910244 | 1<br>4<br>4<br>4 | BRACKET, air cleaner mounting  CAPSCREW, 1/2"NF x 1-1/4"  LOCKWASHER, 1/2"  NUT, 1/2"NF  WASHER, plain, bracket shimming (Use as req'd) |  |



### AIR PRE-CLEANER ASSEMBLY 044961

USAGE: See pages 100 and 103

| ITE | M | PART NO.         | QTY. | DESCRIPTION   |    |
|-----|---|------------------|------|---|----|
|     | 1 | 044252           | 1    | BODY  |    |
|     | 2 | 065412           | 1    | CLAMP ASSEMBLY (Includes screw an nut)  | nd |
|     | 3 | 044255           | 1    | CAP ASSEMBLY (Includes wing nut)  |    |
|     | 4 | 044256           | 1    | GASKET, cap   |    |
|     | 5 | 044918           | 1    | SHELL ASSEMBLY (Includes items 6 t 10)  | hr |
|     | 6 | 043860           | 1    | GLASS, shell window   |    |
|     | 7 | 043852           | 1    | GASKET, shell window glass  |    |
|     | 8 | 043853           | 1    | RETAINER, shell window glass  |    |
|     | 9 | 043991<br>043856 | 1 3  | RING, shell window glass retainer<br>SCREW ASSEMBLY (Includes lock<br>washer) | -  |

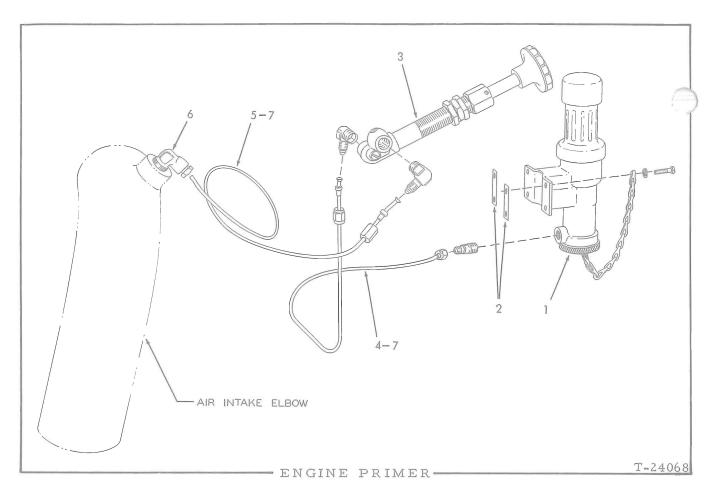


### AIR CLEANER ASSEMBLY 085999

USAGE: See pages 100 and 103

| ] | TEM | PART NO.                | QTY. | DESCRIPTION                              |
|---|-----|-------------------------|------|--|
|   | 1   | seri son put ent sen en | 1    | BODY (Not serviced)                      |
|   | 2   | 041866                  | 1    | RING, baffle retaining                   |
|   | 3   | 088080                  | 1    | BAFFLE, oil                              |
|   | 4   | 041869                  | 1    | GASKET, oil cup                          |
|   | 5   | 088081                  | 1    | CUP, oil                                 |
|   | 6   | 041868                  | 1    | BAIL ASSEMBLY, oil cup (Includes roller) |

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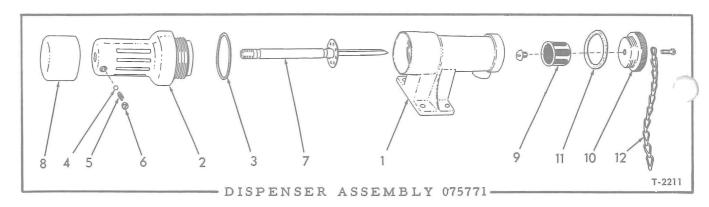
USAGE: Standard equipment on units prior to serial No. 12825 except those ordered with Air Heater as a substitute.

| PART NO.                             | QTY.   | DESCRIPTION  |
|--------------------------------------|--|--|
| 075771<br>918549<br>904203           | 1<br>4<br>4  | DISPENSER ASSEMBLY, priming fuel (See page 108 for parts)<br>CAPSCREW, #10-24NC x 3/4"<br>LOCKWASHER, #10  |
| 066261                               | 6  | GASKET, dispenser mounting   |
| 092160                               | 1  | PUMP ASSEMBLY (See page 109 for parts)   |
| 915488<br>915486<br>915556<br>915557 | 1<br>2<br>2<br>1<br>1  | TUBE (8" long)(Used prior to tractor #9157. Order item 7) NUT, Sealastic, 1/8" tube RING, Sealastic, 1/8" tube (Includes ferrule) CONNECTOR, Sealastic, 1/8" tube, 1/8"NPT male ELBOW, Sealastic, 90°, 1/8" tube, 1/8"NPT male |
| 095020<br>914094<br>919093           | 1 1 1  | TUBE ASSEMBLY (8-1/2" long. Includes nuts)(Used on tractors #9157 thru #11093)  CONNECTOR, flare type, 1/8" tube, 1/8"NPT male ELBOW, flare type, 90°, 1/8" tube, 1/8"NPT male   |
| 097815<br>920477<br>919093           | 1,<br>1  | TUBE ASSEMBLY (21-1/2" long. Includes nuts)(Effective with tractor #11094) ELBOW, flare type, 45°, 1/8" tube, 1/8"NPT male ELBOW, flare type, 90°, 1/8" tube, 1/8"NPT male   |
|                                      | 075771<br>918549<br>904203<br>066261<br>092160<br><br>915488<br>915486<br>915556<br>915557<br>095020<br>914094<br>919093<br>097815<br>920477 | 918549 4 904203 4  066261 6  092160 1  1 915488 2 915486 2 915556 1 915557 1  095020 1  914094 1 919093 1  097815 1  920477 1  |

## ENGINE PRIMER (Continued)

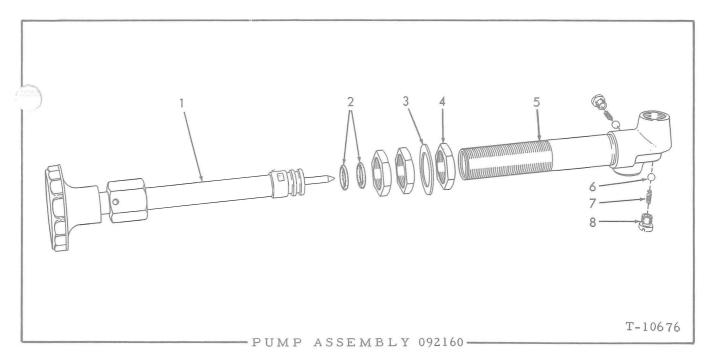
## ITEM PART NO. QTY. DESCRIPTION

|     |                  | 1   | TUBE (13" long) (Used prior to tractor #9157. Order item 7)                                  |
|-----|------------------|-----|--|
|     | 915488           | 1   | NIIT Sealastic 1/8" tube   |
|     | 915486           | ī   | RING. Sealastic, 1/8" tube (Includes ferrule)  |
| 5 < | 915557           | 1   | RING, Sealastic, 1/8" tube (Includes ferrule) ELBOW, Sealastic, 90°, 1/8" tube, 1/8"NPT male |
|     | 094698<br>919100 | 1   | TUBE (18" long) (Effective with tractor #9157) NUT, flare type, 1/8" tube                    |
|     | 919099           | 1   | SLEEVE, flare type, 1/8" tube  |
| Į   | 919093           | 1   | SLEEVE, flare type, 1/8" tube<br>ELBOW, flare type, 90°, 1/8" tube, 1/8"NPT male             |
| 6   | 066517           | 1   | ELBOW ASSEMBLY, fuel spray (Includes nozzle, nut and sleeve. Serviced only as a unit)        |
| 7   | 066253           | 619 | TUBING, copper, 1/8"O.D., 10 ft. roll (Use as req'd)   |



USAGE: See page 106

| ITEM | PART NO.         | QTY.          | DESCRIPTION   |
|------|------------------|---------------|---|
| 1    | 068878           | 1             | BODY, fuel dispenser  |
| 2    | 068879           | 1             | CHAMBER, fuel dispenser   |
| 3    | 069164           | 1             | GASKET, fuel dispenser chamber  |
| 4    | 905357           | 1             | BALL, steel, 3/16" diam.  |
| 5    | 066251           | 1             | SPRING, plunger locking ball  |
| 6    | 066252           | 1             | PLUG, retaining, locking ball spring                                    |
| 7    | 066255           | 1             | PLUNGER, fuel dispenser   |
| 8    | 068881           | 1             | KNOB, fuel dispenser plunger  |
| 9    | 068875<br>915432 | $\frac{1}{1}$ | STRAINER, fuel dispenser<br>SCREW, machine, 1/4"NC x 5/16"              |
| 10   | 075770           | 1             | PLUG, fuel dispenser strainer   |
| 11   | 068876           | 1             | GASKET, fuel dispenser strainer plug                                    |
| 12   | 075769<br>901781 | 1             | CHAIN, strainer plug retaining SCREW, machine, fil-hd., #10-32NF x 1/2" |



USAGE: See page 106, 111, and, 113.

|      |                      | -    |   |
|------|----------------------|------|---|
| ITEM | PART NO.             | QTY. | DESCRIPTION                               |
| 1    |                      | 1    | PISTON ASSEMBLY (Not serviced separately) |
| 2    | 923560               | 2    | O-RING, plunger                           |
| 3    | 066873               | 1    | WASHER, mounting                          |
| )4   | 066872               | 3    | NUT, mounting                             |
| 5    | 00 40 00 00 00 00 FM | 1    | BARREL ASSEMBLY (Not serviced separately) |
| 6    | 066876               | 2    | BALL, check valve (5/32" diam.)           |
| 7    | 066875               | 2    | SPRING, check valve                       |
| 8    | 066874               | 2    | RETAINER, check valve                     |

#### AIR HEATER

USAGE: Optional equipment in place of standard Engine Primer on tractors prior to serial No. 9157.

|     | serial No. 9157.                             |        |  |
|-----|--|--------|--|
| I   | PART NO. QT                                  | TY.    | DESCRIPTION  |
| 1 2 | 088037 I<br>035190 4<br>904208 4             | 1      | ELBOW, air intake (Replaces standard ELBOW 085886)<br>CAPSCREW, 1/2"NC x 1-1/2"<br>LOCKWASHER, 1/2"                    |
| 3   | 086757 1                                     | Ĺ      | GASKET, air intake elbow   |
| 4   | 630827 1<br>904204 1                         |        | SCREW, electrode<br>LOCKWASHER, 1/4"   |
| 5   | 631566 1                                     | l      | GASKET, insulator  |
| 6   | 631226 1                                     | l      | INSULATOR PACKAGE (Includes terminal nut and item 5)   |
| 7   | 630828 1                                     | L      | NUT, insulator retaining   |
| 8   | 095860 1                                     | L      | CABLE, coil to insulator (high tension)  |
| 9   | 097026 1                                     | L      | COIL, ignition (Serviced only as a unit)   |
| 10  | 631199 1<br>912226 2<br>904204 2<br>911024 2 | 2      | BRACKET, ignition coil mounting<br>SCREW, machine, fil-hd., 1/4"NC x 5/8"<br>LOCKWASHER, 1/4"<br>NUT, 1/4"NC           |
| 11  | 088045 1                                     | L      | PLATE, coil mounting   |
| 12  | 630829 1                                     | L      | BRACKET, resistor mounting   |
| )   | 631198 1                                     | L      | WASHER, insulating   |
| 14  | 630830 1<br>915922 1<br>915923 1<br>907154 1 | l<br>L | RESISTOR  SCREW, machine, #8-32 x 2-1/4"  LOCKWASHER, external teeth, #8  NUT, #8-32                                   |
| 15  | 040338 1                                     |        | CLIP, hose supporting  |
| 16  | 087804 1                                     |        | CABLE, switch to coil (33" long)   |
| 17  | 051006 1                                     |        | CABLE, air heater switch to light switch (4-1/2" long)   |
| 18  | 031337 1                                     |        | SWITCH, push-button (Includes mounting nut)  |
| 19  | 088471 1<br>910161 1<br>913938 1<br>901652 1 |        | HOSE, fuel supply (36" long) ELBOW, flare type, 1/4" tube, 1/8"NPT male TEE, pipe service, 1/4"NPT PLUG, pipe, 1/4"NPT |
| 20  | 092160 1                                     |        | PUMP ASSEMBLY (See page 97 for service parts)  |
| 21  | 089740 1<br>910161 1<br>907059 1             |        | HOSE, fuel discharge (15" long) ELBOW, flare type, 1/4"tube, 1/8"NPT male ELBOW, street, 90°, 1/8"NPT                  |
| 22  | 088038 1                                     |        | BUSHING, nozzle adapting   |
| 23  | 630787 I                                     |        | WASHER, spray nozzle   |
| ( ) | 631224 1                                     |        | NOZZLE ASSEMBLY, spray (Includes item 25)  |
| 25  | 631225 1                                     |        | STRAINER ASSEMBLY, spray nozzle (1 body and 1 screen)  |

#### AIR HEATER

USAGE: Optional equipment in place of standard Engine Primer.

```
* Tractors serial Nos. 9157 thru 11093.
                          ** Tractors serial No. 11094 and up.
                  QTY.
                      **
ITEM PART NO.
                          DESCRIPTION
         088037
                          ELBOW, air intake (Replaces standard ELBOW 085886)
         098459
                       1
                          ELBOW, air intake (Replaces standard ELBOW 097793)
                                CAPSCREW
   2
                  4
                      4
         ---
                                                   See AIR CLEANER
                  4
                      4
                                LOCKWASHER
         ----
   3
         086757
                  1
                       1
                          GASKET, air intake elbow
   4
                          WASHER, insulating
         631198
                  1
   5
         630830
                          RESISTOR
                  1
                       1
         915922
                                SCREW, machine, \#8-32 \times 2-1/4"
                  1
                      1
         915923
                                LOCKWASHER, external teeth, #8
                  1
                      7
         907154
                  1
                      1
                                NUT, #8-32
   6
         097026
                   1
                          COIL, ignition (Serviced only as a unit)
                       1
   7
                          BRACKET, coil mounting (band type)
         631199
                   1
                       1
                                SCREW, machine, fil-hd., 1/4"NC x 5/8"
         912226
                   2
                       2
         904204
                   2
                       2
                                LOCKWASHER, 1/4"
         911024
                   2
                       2
                                NUT, 1/4"NC
   8
         630829
                   1
                       1
                          BRACKET, resistor mounting
                                SCREW, machine, fil-hd., 1/4"NC x 5/8" LOCKWASHER, 1/4"
         912226
                   1
                       1
         904204
                   1
                       1
                                NUT, 1/4"NC
         911024
                       1
                   1
   9
                          BRACKET, coil mounting (angle type)
         095862
                   1
                       7
                                WASHER, plain, U.S. std., 1/2"
         900818
                       2
         095879
                          CABLE, switch to coil (19" long)
                          CABLE, switch to coil (39" long)
         066581
                       1
  11
         031337
                   1
                       1
                          SWITCH, push-button (Includes mounting nut)
  12
         051006
                          CABLE, air heater switch to light switch (4-1/2" long)
                   1
                       1
  13
         095860
                          CABLE, coil to insulator (high tension)
                   1
                       1
  14
         630827
                   1
                       1
                          SCREW, electrode
                                LOCKWASHER, 1/4"
         904204
                       1
  15
         631566
                          GASKET, insulator
                   T
                       1
  16
         631226
                          INSULATOR PACKAGE (Includes terminal nut and item 15)
                   7
  17
         630828
                          NUT, insulator retaining
  18
         631225
                          STRAINER ASSEMBLY, spray nozzle (1 body and 1 screen)
                   1
  19
                          NOZZLE ASSEMBLY, spray (Includes item 18)
                   1
                       1
         631224
```

(Continued)

## AIR HEATER (Continued)

|         |          | 0.15 | 37 | AIR HEATER (Continued)                               |
|---------|----------|------|----|--|
| TOTAL T | ADE NO   | QT   |    | DECCRIDATON  |
| IIEM F  | ART NO.  | *    | ** | DESCRIPTION  |
| 20      | 630787   | 1    | 1  | WASHED annow nords                                   |
| 20      | 030101   | 1    | Τ  | WASHER, spray nozzle                                 |
| 21      | 088038   | 7    | 7  | BUSHING norgle adapting                              |
| 21      | 000030   | 1    | 1  | BUSHING, nozzle adapting                             |
|         | 095554   | 1    |    | HOSE ASSEMBLY, fuel supply (19-1/2" long) (See       |
|         | 0 7000±  | T    | _  |  |
| 22      |          |      |    | page 6 for parts)                                    |
| 44      | 094858   | _    | 1  | HOSE ASSEMBLY, fuel supply (41" long) (See page      |
|         | 0 / 1030 |      | 7  | 6 for parts)   |
|         |          |      |    | o for parts,   |
|         | 919173   | 1    | 1  | ELBOW, flare type, 90°, 1/4" tube, 1/8"NPT male      |
|         | 919171   | 1    | 1  | CONNECTOR, flare type, 1/4" tube, 1/8"NPT male       |
|         | , - ,    | _    |    | 7, 7, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,         |
| 23      | 092160   | 1    | 1  | PUMP ASSEMBLY (See page 109 for parts)               |
|         |          |      |    |  |
| 24      | 094642   | 1    | 1  | VALVE ASSEMBLY, check (Consists of items 25 thru 30) |
|         | 915399   | 1    | 1  | ELBOW, street, brass, 90°, 1/8"NPT                   |
|         |          |      |    |  |
| 25      | 094890   | 1    | 1  | BODY, check valve                                    |
|         |          |      |    |  |
| 26      | 048603   | 1    | 1  | SPRING, check valve                                  |
|         |          |      |    |  |
| 27      | 048608   | 1    | 1  | PLUNGER, check valve                                 |
| 2.0     | 0.40/.0/ | 7    | 4  | DIGG 1 1 1   |
| 28      | 048606   | 1    | 1  | DISC, check valve                                    |
| 29      | (20712   | 7    | 7  | WACHED charle walne                                  |
| 47      | 630713   | 1    | 1  | WASHER, check valve                                  |
| 30      | 092793   | 1    | 1  | CONNECTOR, check valve                               |
| 30      | 0/41/5   | 10   | Τ. | CONTINUOTOR, CHECK VAIVE                             |
|         | 083002   | 1    |    | HOSE ASSEMBLY, fuel discharge (9-1/2" long)(See      |
| 1       | 00000    | _    |    | page 6 for parts)                                    |
|         | 919173   | 1    |    | ELBOW, flare type, 1/4" tube, 1/8"NPT male           |
| 31      | /1/110   | -    |    | 222077, 22010 0,50, 1, 1 0000, 1, 0 212 2 22000      |
|         | 094703   | -    | 1  | HOSE ASSEMBLY, fuel discharge (34" long) (See page   |
|         |          |      |    | page 6 for parts)                                    |
|         | 919171   |      | 1  | CONNECTOR, flare type, 1/4" tube, 1/8"NPT male       |
|         |          |      |    |  |
| 32      | 094527   | 1    | 2  | CLIP, hose supporting                                |
|         | 036032   | 1    | 2  | CAPSCREW, 3/8"NF x 3/4"                              |
|         | 904206   | 1    | 2  | LOCKWASHER, 3/8"                                     |
|         | 911041   | 1    | 2  | NUT, 3/8"NF  |
|         |          |      |    |  |
| 33      | 098487   | 1    | 1  | BRACKET, clip supporting                             |
|         |          |      |    |  |
| 34      | 066260   |      | 2  | CLIP, switch cable                                   |
|         | 036032   | -    | 1  | CAPSCREW, $3/8$ "NF x $3/4$ "                        |
|         | 904206   |      | 1  | LOCKWASHER, 3/8"                                     |
|         | 911041   |      | 1  | NUT, 3/8"NF  |
|         |          |      |    |  |

#### RADIATOR

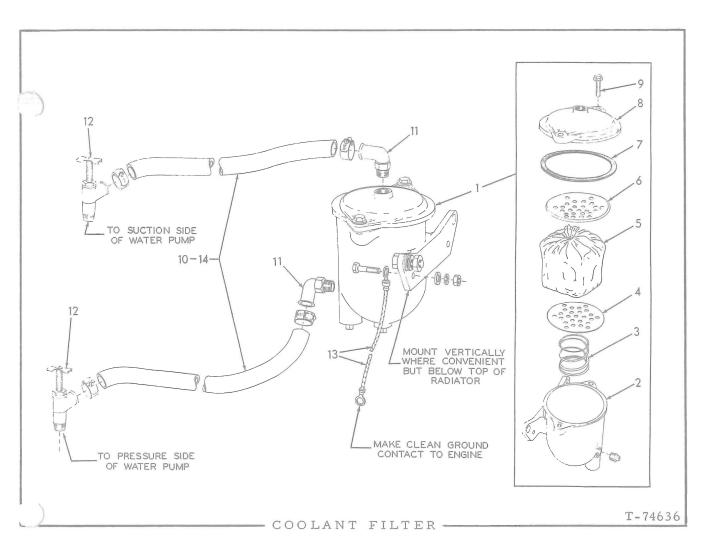
\* Used prior to January 1957 \*\* Effective January 1957

```
QTY.
 M PART NC.
                   米米
                       DESCRIPTION
                       RADIATOR ASSEMBLY (Order RADIATOR ASSEMBLY 092023 and
                          MOUNTING KIT 093084)
      092023
                      RADIATOR ASSEMBLY (Includes item 4) (Standard)
      631785
                    1 RADIATOR ASSEMBLY (Includes item 4)(Special equipment. Has
                          armored tubes at rear of core)
      099332
                6
                    2
                           CAPSCREW, 1/2"NF x 7-3/4"
      093059
                         ☐ CAPSCREW, 1/2"NF x 8-1/2"
                    2
      904208
                6
                   2
                         ☐ LOCKWASHER, 1/2"
      900818
                  16
                         □ WASHER, plain, U. S. std., 1/2"
      916009
                    4
                         □WASHER, shimming (1/32" thick. Use as req'd)
      911043
                    2
                         □NUT, 1/2"NF
      913830
                    2
                           NUT, jam, 1/2"NF
 3
      087377
                1
                    1 CAP ASSEMBLY, pressure type (Serviced only as a unit)(Used prior
                          to approx. tractor #6883)
 4
      092028
                       CAP ASSEMBLY, pressure type (Serviced only as a unit) (Effective
                          with approx. tractor #6883)
 5
      064531
                    2 DWASHER, plain, radiator upper mounting capscrew
 6
      093054
                    8 DWASHER, radiator mounting (rubber)
 7
      088349
                1
                    1 HOSE, upper
      090162
                       CLAMP, hose, adjustable, 2-5/16" to 3-1/4" diam.
9
                       ELBOW, engine water outlet
      088242
                1
                    1
10
      043886
                2
                           CAPSCREW, 7/16"NC x 1"
                    2
      904207
                2
                    2
                           LOCKWASHER, 7/16"
11
      4300145
                    1 □GASKET, water outlet elbow
                1
12
      201671
                       COCK ASSEMBLY, radiator drain (Includes item 13)
                           ELBOW, street, 45°, 3/8"NPT (Used prior to tractor #3121)
      910149
                1
                    1
13
      209359
                      STEM, radiator drain cock
                1
                    1
14
      088348
                      HOSE, lower
                1
                    1
15
      4347003
                    1
                       PIPE, engine water inlet
                1
      903630
                           CAPSCREW, 3/8"NC x 1"
                2
                    2
      904206
                2
                    2
                           LOCKWASHER, 3/8"
16
      4346456
                1
                    l □GASKET, water inlet pipe
17
      620280
                1
                    1
                       SUPPORT, radiator
                           CAPSCREW, 1/2"NF x 2"
      035067
                4
18
      093061
                    4
                          CAPS CREW, drilled end, 1/2"NF x 2"
      904208
                4
                           LOCKWASHER, 1/2"
                          □WASHER, plain, U.S. std., 1/2"
      900818
                    4
                            WASHER, shimming (1/32" thick. Use as required)
      916009
                    4
      911043
                4
                           NUT, 1/2"NF
                          □NUT, slotted, 1/2"NF
      910867
                    4
      900806
                          □PIN, cotter, 1/8" x 1"
                      □Also see PACKAGED PARTS
                                      (Continued)
```

## RADIATOR (Continued)

|      |          | QTY. |  |
|------|----------|------|--|
| ITEM | PART NO. | * ** | DESCRIPTION  |
| 19   | 093055   | - 21 | ☐PAD, support mounting (rubber)  |
| 20   | 093054   | - 4[ | □WASHER, support mounting (rubber)   |
| 21   | 634197   | 1 1  | GUARD, fan (If for first replacement on tractors prior to #11094 also order 1 SPACER 620457 and 2 CAPSCREW 070403) |
| 22   | 064531   | 2 2  | WASHER, plain (1/4" thick)   |
| 23   | 5 070469 | - 2  | ☐ CAPSCREW, 1/2"NF x 1-1/4" (Used prior to tractor #11094)   |
| 45   | 070403   | - 2  | CAPSCREW, 1/2"NF x 3" (Effective with tractor #11094)  |
|      | 904208   | 4 2  | LOCKWASHER, 1/2"   |
|      | 900818   | 2 -  | WASHER, plain, U. S. std., 1/2"  |
|      | 911043   | 4 -  | NUT, 1/2"NF  |
| 24   | 620057   | - 2  | SPACER, fan guard (Effective with tractor #11094)  |
| 25   | 093025   | 1 -  | SUPPORT, radiator, left side   |
|      | 093026   | 1 -  | SUPPORT, radiator, right side  |
| 26   | 093027   | 2 -  | CAPSCREW, (drilled-end, 1/2"NF x 2-3/8")   |
|      | 900818   | 2    | WASHER, plain, U.S. std., 1/2"   |
|      | 910867   | 2 -  | NUT, slotted, 1/2"NF   |
|      | 900806   | 2 -  | PIN, cotter, 1/8" x 1"   |
| 27   | 092386   | 1 1  | SCREEN, radiator (Standard. Used with push type fan)   |
|      | 912789   | 8 8  |  |
|      | 092635   | 8 8  |  |
|      | 904204   | 8 8  | LOCKWASHER, 1/4"   |
|      | 911040   | 8 8  | NUT, 1/4"NF  |
| 28   | 087339   | 2 2  | ANGLE, screen retaining, inner (Used prior to tractor #6257)   |
| 29   | 087342   | 2 2  | ANGLE, screen retaining, outer (Used prior to tractor #6257)   |
| - /  | 917033   | 2 2  |  |
|      | 911114   | 2 2  |  |
|      | 904204   | 2 2  | LOCKWASHER, 1/4"   |
|      | 911040   | 2 2  | NUT, 1/4"NF  |
| 30   | 093390   | 1 1  | SCREEN, trash (Special. Used with suction type fan. Mounts at front of radiator)(Not illustrated)                  |
|      | 910244   | 6 6  | WASHER, plain, SAE std., 1/2"  |

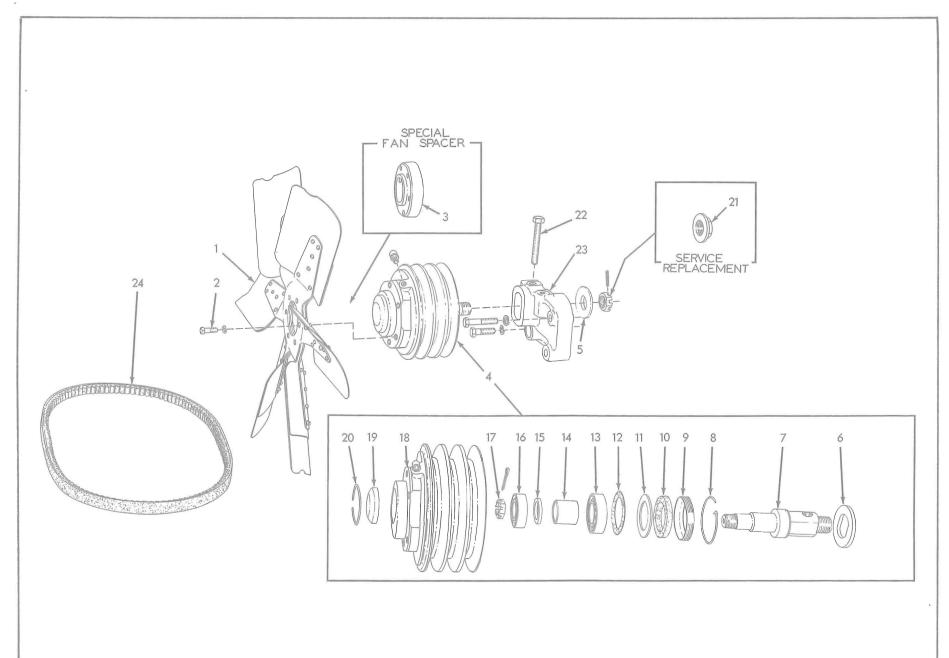
☐ Also see PACKAGED PARTS



| USAGE: | USAGE: Special Equipment  |  |  |  |  |  |
|--------|---|--|--|--|--|--|
| ITEM   | PART NO.  | QTY.   | DESCRIPTION  |  |  |  |
| -      | 4357825   | 1  | FILTER KIT (Consists of items 1 thru 13)   |  |  |  |
| 1      | 4387474<br>916311<br>910244<br>904208<br>910325<br>914670<br>910335<br>904205<br>910323 | 1<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2 | FILTER ASSEMBLY, water (Consists of items 2 thru 9. Has element for use with permanent anti-freeze)  CAPSCREW, 1/2"NC x 1-1/4"  WASHER, plain, SAE std., 1/2"  LOCKWASHER, 1/2"  NUT, 1/2"NC  CAPSCREW, 5/16"NC x 1-1/8"  WASHER, plain, SAE std. 5/16"  LOCKWASHER, 5/16"  NUT, 5/16"NC |  |  |  |
| 2      | 4055031<br>920131   | 1<br>2   | BODY, filter<br>PLUG, pipe. 3/8"NPT  |  |  |  |
| 3      | 4054569   | 1  | SPRING, filter element   |  |  |  |
| 4      | 4054568   | 1  | PLATE, filter element. lower   |  |  |  |
|        |   |  | (Continued)  |  |  |  |

## COOLANT FILTER (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION  |
|------|----------|------|--|
| 5    | 4058830  | 1    | ELEMENT KIT, filter (Includes item 9)(Cannot be used with permanent anti-freeze) |
|      | 4058831  | 1    | ELEMENT KIT, filter (Includes item 9)(Can be used with permanent anti-freeze)    |
| 6    | 4055034  | 1    | PLATE, filter element, upper   |
| 7    | 4054566  | 1    | GASKET, filter cover   |
| 8    | 4055032  | 1    | COVER, filter  |
| 9    | 4055033  | 2    | BOLT ASSEMBLY, filter cover (Includes washer)                                    |
| 10   |          | 1    | HOSE (86" length. Cut to suit installation)(For service replace-                 |
|      | 921911   | 4    | ment order item 14) CLAMP, hose, 11/16" to 1-1/4" diam.                          |
| 11   | 4255286  | 2    | ELBOW, water hose (90°. 5/8" nipple, 3/8"NPT)                                    |
| 12   | 4255772  | 2    | VALVE, water shut-off (90°, 5/8" nipple, 3/8"NPT)                                |
| 13   | 4059367  | 1    | CABLE, ground  |
| 14   | 920722   | -    | HOSE, rubber, 5/8"I.D., 25 ft. roll (Use as required)                            |



-FAN (First type) -

.24071

USAGE: Engines prior to serial No. 6-10368

| ITEM | PART NO.                              | QTY.             | DESCRIPTION   |
|------|---------------------------------------|------------------|---|
|      |                                       |                  | NOTE: See RADIATOR for fan guard.   |
| ,    | 090154                                | 1                | FAN (Push type. Standard equipment)   |
| 1    | 090155                                | 1                | FAN (Suction type. Special equipment)   |
| 2    | 044249<br>013059<br>904206            | 6<br>6           | CAPSCREW, 3/8"NC x 1-1/8" (For FAN 090154)<br>CAPSCREW, 3/8"NC x 2" (For FAN 090155)<br>LOCKWASHER, 3/8"                  |
| 3    | 089019                                | 1                | SPACER, fan (For suction fan only)  |
| 4    | 4339455                               | 1                | HUB ASSEMBLY (Consists of items 6 thru 20)  |
| 5    | 4371703                               | 1                | WASHER, plain, spindle clamping, rear (Original equipment. See item 21)   |
| 6    | 4056232                               | 1                | WASHER, plain, spindle clamping, front  |
| 7    | 4056068                               | 1                | SPINDLE (Also order NUT 4339459 when making first replacement)  |
| 8    | 4371707                               | 1                | LOCKWIRE, fan hub   |
| 9    | 4040386                               | 1                | RETAINER, spindle sealing washer  |
| 10   | 4040385                               | 1                | WASHER, spindle sealing (cork)  |
| 11   | 4040384                               | 1                | WASHER, retaining, rear bearing   |
| )    | 4640976                               | 1                | GASKET, bearing retaining washer  |
| 13   | 4253863                               | 1                | BEARING, ball, rear   |
| 14   | 4040383                               | 1                | SPACER, spindle bearings  |
| 15   | 4640978                               | 1                | WASHER, spacing, front bearing  |
| 16   | 4253862                               | 1                | BEARING, ball, front  |
| 17   | 4348502<br>911064                     | 1                | NUT, spindle PIN, cotter, 1/8" x 1-3/8"   |
| 18   | 4054345<br>915274<br>915276           | 1<br>2<br>2      | HUB, fan FITTING, lubricating, 45°, 1/8"NPT (Original equipment) FITTING, lubricating, 90°, 1/8"NPT (Service replacement) |
| 19   | 088561                                | 1                | CAP, hub  |
| 20   | 4042081                               | 1                | RING, snap, cap retaining (Effective with engine #91131)  |
| 21   | 911174 915946                         | 1                | NUT, jam, slotted, l"NF PIN, roll, 5/32" x 1-1/4"  PORIGINAL equipment  |
| 41   | 4339459                               | 1                | NUT, flanged (Service replacement. Discard WASHER 4371703 when installing)  |
| 22   | 4003603                               | 1                | SCREW, fan adjustment   |
| 23   | 4338812<br>904541<br>903642<br>904208 | 1<br>1<br>2<br>3 | BRACKET, fan mounting CAPSCREW, 1/2"NC x 1-3/4" CAPSCREW, 1/2"NC x 2-1/2" LOCKWASHER, 1/2"                                |
| 24   | 4348911                               | 2                | BELT, fan driving (cog type)(Furnished in matched pairs only)   |

-FAN (Second type) -

FAN

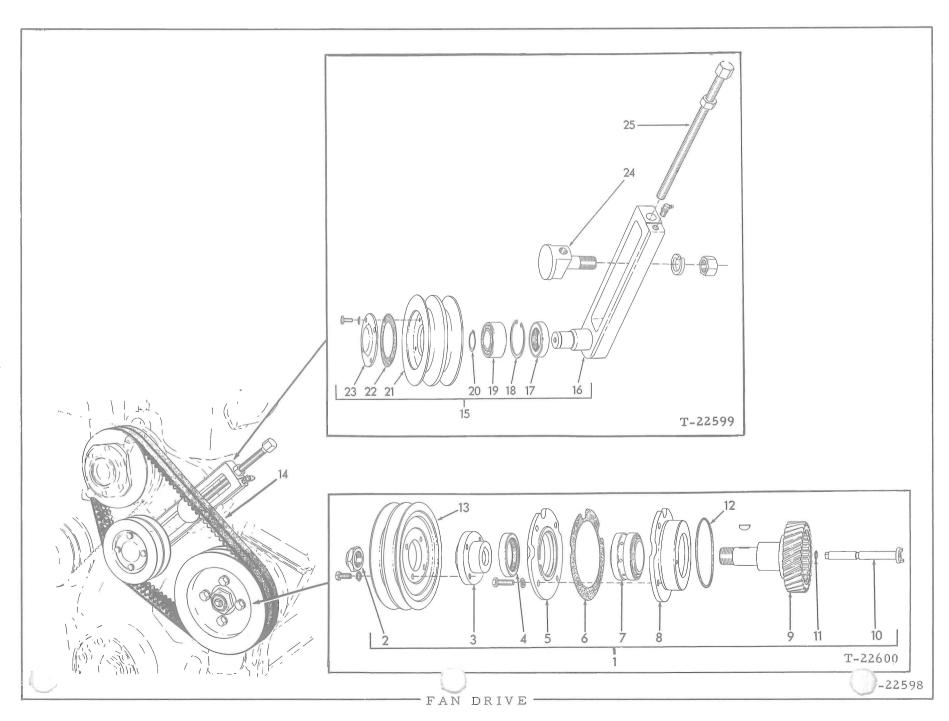
USAGE: Engines serial No. 6-10368 thru 6-12756

| IT-M | PART NO.   | QTY.             | DESCRIPTION   |
|------|--|------------------|---|
| -, ) |  |                  | NOTE: See RADIATOR for fan guard. See FAN DRIVE for fan belt.   |
| 1    | 090154   | 1                | FAN (Push type. Standard equipment)   |
| 1    | 090155   | 1                | FAN (Suction type. Special equipment)   |
| 2    | $ \begin{pmatrix} 044249 \\ 013059 \\ 904206 \end{pmatrix} $ | 6                | CAPSCREW, 3/8"NC x 1-1/8" (For push fan)<br>CAPSCREW, 3/8"NC x 2" (For suction fan)<br>LOCKWASHER, 3/8" |
| 3    | 089019   | 1                | SPACER, fan (For use with suction fan only)   |
| 4    | 4349668  | 1                | HUB ASSEMBLY (Consists of items 5 thru 20)  |
| 5    | 4371703  | 1                | WASHER, plain, spindle clamping, rear   |
| 6    | 4056232  | 1                | WASHER, plain, spindle clamping, front  |
| 7    | 4349670<br>911174<br>915946                                  | 1<br>1<br>1      | SPINDLE NUT, jam, slotted, 1"NF (rear) PIN, roll, 5/32" x 1-1/4"  |
| 8    | 4371707  | 1                | LOCKWIRE, fan hub   |
| 9    | 4040386  | 1                | RETAINER, spindle sealing washer  |
| 10   | 4040385  | 1                | WASHER, spindle sealing (cork)  |
| rI   | 4040384  | 1                | WASHER, retaining, rear bearing   |
| 12   | 4640976  | 1                | GASKET, bearing retaining washer  |
| 13   | 4253863  | 1                | BEARING, ball, rear   |
| 14   | 4040383  | 1                | SPACER, spindle bearings  |
| 15   | 4640978  | 1                | WASHER, spacing, front bearing  |
| 16   | 4253862  | 1                | BEARING, ball, front  |
| 17   | 4348502<br>911064  | 1                | NUT, spindle PIN, cotter, 1/8" x 1-3/8"   |
| 18   | 4349669<br>915274  | 1<br>2           | HUB, fan<br>FITTING, lubricating, 45°, 1/8"NPT  |
| 19   | 088561   | 1                | CAP, hub  |
| 20   | 4042081  | 1                | RING, snap, cap retaining   |
| 21   | 4349671  | 1                | SCREW, fan adjustment   |
| 22   | 4336522<br>904283<br>904208<br>906705<br>904209              | 1<br>3<br>3<br>1 | BRACKET, fan mounting CAPSCREW, 1/2"NC x 3" LOCKWASHER, 1/2" CAPSCREW, 5/8"NC x 2-3/4" LOCKWASHER, 5/8" |

## FAN

USAGE: Effective with engine serial No. 6-12757

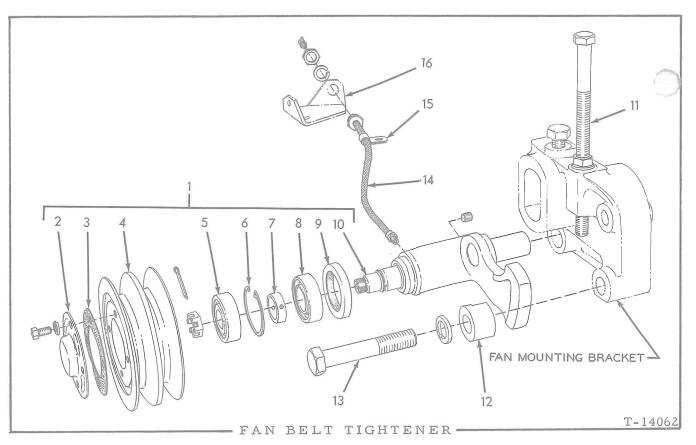
| ITTM | PART NO.   | QTY,   | DESCRIPTION   |
|------|--|--------|---|
| )    |  |        | NOTE: See RADIATOR for fan guard. See FAN DRIVE for fan belt.   |
|      | 090154   | 1      | FAN (Push type. Standard equipment)                             |
| 1    | 090155   | 1      | FAN (Suction type. Special equipment)                           |
|      | ( 013058   | 6      | CAPSCREW, 3/8"NC x 1-1/4" (For push fan)                        |
| 2    | $ \begin{pmatrix} 013058 \\ 013059 \\ 904206 \end{pmatrix} $ | 6<br>6 | CAPSCREW, 3/8"NC x 2" (For suction fan) LOCKWASHER, 3/8"        |
| 3    | 089019   | 1      | SPACER, fan (For use with suction fan only)                     |
| 4    | 4336520  | 1      | HUB ASSEMBLY (Consists of items 5 thru 18)                      |
|      | 911174<br>911159   | 1      | NUT, jam, slotted, l''NF (rear)<br>WASHER, plain, SAE std., l'' |
|      | 915946   | 1      | PIN, roll, 5/32" x 1-1/4"                                       |
| 5    | 4336521  | 1      | SPINDLE   |
| 6    | 4371707  | 1      | LOCKWIRE, fan hub   |
| 7    | 4040386  | 1      | RETAINER, spindle sealing washer                                |
| 8    | 4040385  | 1      | WASHER, spindle sealing (cork)                                  |
| 9    | 4040384  | 1      | WASHER, retaining, rear bearing                                 |
| 10   | 4640976  | 1      | GASKET, bearing retaining washer                                |
|      | 4253863  | 1      | BEARING, ball, rear   |
| 12   | 4040383  | 1      | SPACER, spindle bearings  |
| 13   | 4640978  | 1      | WASHER, spacing, front bearing                                  |
| 14   | 4253862  | 1      | BEARING, ball, front  |
| 15   | 4348502<br>911064  | 1      | NUT, spindle PIN, cotter, 1/8" x 1-3/8"                         |
| 16   | 4336529  | 1      | HUB, fan  |
| 17   | 088561   | 1      | CAP, hub  |
| 18   | 4042081  | 1      | RING, snap, cap retaining                                       |
| 19   | 4336522<br>904283  | 1<br>3 | BRACKET, fan mounting CAPSCREW, 1/2"NC x 3"                     |
|      | 904208<br>906705   | 3<br>1 | LOCKWASHER, 1/2" CAPSCREW, 5/8"NC x 2-3/4"                      |
|      | 904209   | 1      | LOCKWASHER, 5/8"  |
| 20   | 4336526<br>901474  | 1<br>1 | HOSE, lubricating (14-1/2" long) NIPPLE, pipe, 1/8"NPT x 4-1/2" |
|      | 901676<br>915274   | 1<br>1 | ELBOW, pipe, 90°, 1/8"NPT<br>FITTING, lubricating, 45°, 1/8"NPT |
| 0.7  | 911049   | 1      | NUT, jam, 5/8"NF  |
| 21   | 4336523<br>915408  | 1      | BRACKET, lubricating hose CAPSCREW, 3/8"NC x 3/4"               |
| )    | 904206   | Ì      | LOCKWASHER, 3/8"  |



## FAN DRIVE

USAGE: Effective with engine serial No. 6-10368

| ITTM | PART NO.                    | QTY.        | DESCRIPTION  |
|------|-----------------------------|-------------|--|
|      | 4336259                     | 1           | DRIVE ASSEMBLY (Consists of items 2 thru 11)                       |
| 2    | 4335476                     | 1           | NUT, flange retaining  |
| 3    | 4336257                     | 1           | FLANGE, pulley mounting  |
| 4    | 4349736                     | 1           | SEAL, oil  |
| 5    | 4349674<br>903631<br>904206 | 1<br>4<br>4 | FLANGE, seal retaining CAPSCREW, 3/8"NC x 1-1/4" LOCKWASHER, 3/8"  |
| 6    | 4349011                     | 1           | GASKET, seal retaining flange                                      |
| 7    | 4253825                     | 1           | BEARING, roller  |
| 8    | 4349014                     | 1           | RETAINER, bearing  |
| 9    | 4335443<br>917755           | 1<br>1      | GEAR, fan drive<br>KEY, #91 woodruff, 1/4" x 3/4"                  |
| 10   | COS COM COT COS COS COS     | 1           | SHAFT, pump timing   |
| 11   | pri 100 pri 100 pri 100     | 1           | O-RING, pump timing shaft  See INJECTION PUMP                      |
| 12   | 923589                      | 1           | O-RING, drive mounting   |
| 13   | 4336258<br>916225<br>904206 | 1<br>4<br>4 | PULLEY, fan drive<br>CAPSCREW, 3/8"NF x 1"<br>LOCKWASHER, 3/8"     |
| 14   | 4349777                     | 2           | BELT, fan drive (Supplied in matched sets)                         |
| 15   | 4349660                     | 1           | IDLER ASSEMBLY, belt tightening (Consists of items 16 thru 23)     |
| 16   | 4336587<br>915275           | 1<br>1      | SLIDE, fan idler<br>FITTING, lubricating, 65°, 1/8"NPT             |
| 17   | 4254670                     | 1           | SEAL, oil  |
| 18   | 4254100                     | 1           | RING, snap, rear   |
| 19   | 4255031                     | 1           | BEARING, ball  |
| 0.0  | £ 4254673                   | 1           | RING, snap, front (Sealed type)(Used prior to engine #6-11923)     |
| 2.0  | 4253555                     | 1           | RING, snap, front (Straight type) (Effective with engine #6-11923) |
| 2.1  | 4349662                     | 1           | PULLEY   |
| 2.2  | 4347752                     | 1           | GASKET, pulley cover   |
| 2.3  | 4347751<br>905656<br>904204 | 1<br>4<br>4 | COVER, pulley CAPSCREW, 1/4"NC x 5/8" LOCKWASHER, 1/4"             |
| 2.4  | 4349666<br>904369<br>910175 | 1<br>1<br>1 | BOLT, clamping, fan idler slide<br>LOCKWASHER, 3/4"<br>NUT, 3/4"NF |
| 25   | 4349667<br>910325           | 1           | CAPSCREW, fan belt adjustment<br>NUT, 1/2"NC                       |



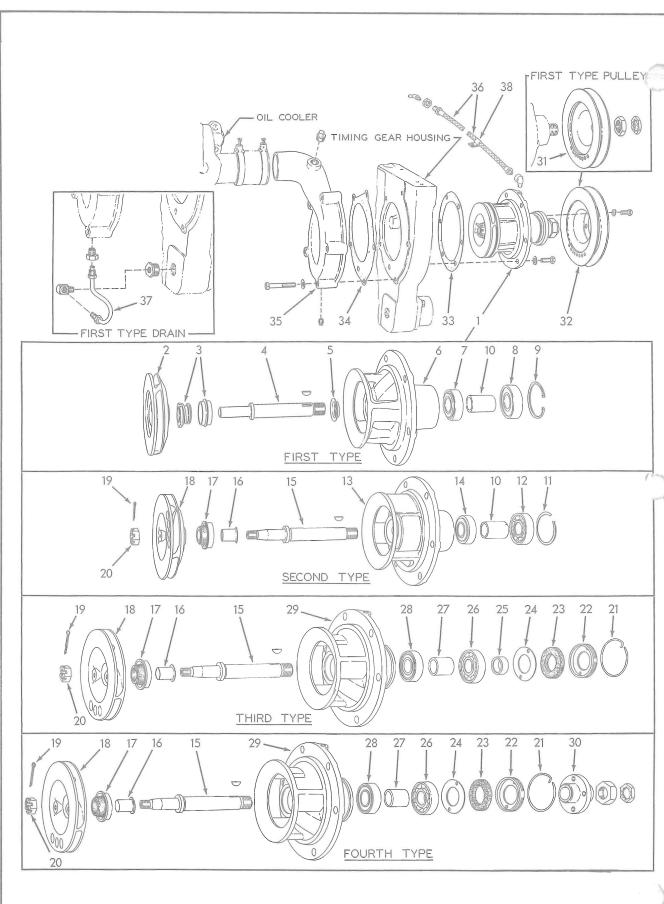
USAGE: Engines prior to serial No. 6-10368. See FAN DRIVE for superseding design.

| ITEM | PART NO.                    | QTY.        | DESCRIPTION   |
|------|-----------------------------|-------------|---|
| 1    | 4348431                     | 1           | PULLEY ASSEMBLY, fan belt tightener (Consists of items 2 thru 10)   |
| 2    | 4348118<br>903626<br>904205 | 1<br>4<br>4 | COVER, pulley CAPSCREW, 5/16"NC x 3/4" LOCKWASHER, 5/16"  |
| 3    | 4348122                     | 1           | GASKET, pulley cover  |
| 4    | 4348421                     | 1           | PULLEY  |
| 5    | 4253869                     | 1           | BEARING, ball, front  |
| 6    | 4252137                     | 1           | RING, snap, pulley retaining  |
| 7    | 4348121                     | 1           | SPACER, bearing   |
| 8    | 4253862                     | 1           | BEARING, ball, rear   |
| 9    | 4253765                     | 1           | SEAL, oil   |
| 10   | 4348283                     | 1           | LEVER ASSEMBLY (Includes PLUG and FITTING in-   |
|      | 910230<br>914465            | 1           | dented below) PLUG, pipe, slotted-hd., 1/8"NPT FITTING, lubricating, straight, 1/8"NPT (Used prior to tractor #973) |
|      | 913470<br>900807            | 1           | NUT, jam, slotted, 5/8"NF<br>PIN, cotter, 1/8" x 1-1/4"   |

(Continued)

## FAN BELT TIGHTENER (Continued)

| ITEM | PART NO.                             | QTY.        | DESCRIPTION  |
|------|--------------------------------------|-------------|--|
| ()   | 4348205<br>904208<br>910510          | 1<br>1<br>1 | SCREW, belt adjustment (1/2"NC x 8") LOCKWASHER, 1/2" NUT, jam, 1/2"NC   |
| 12   | 4348442                              | 1           | CLAMP, locking   |
| 13   | 4348443<br>904209                    | 1           | CAPSCREW, locking clamp (5/8"NC x 3-1/2")<br>LOCKWASHER, 5/8"  |
| 14   | 045507<br>915276<br>904209<br>911049 | 1<br>1<br>1 | HOSE, fan belt tightener lubrication (Effective with tractor #973)  FITTING, lubricating, 90°, 1/8"NPT  LOCKWASHER, 5/8"  NUT, jam, 5/8"NF |
| 15   | 040796                               | 1           | CLIP, hose supporting (Effective with tractor #973)  |
| 16   |                                      | 1           | BRACKET (See GENERATOR)  |



T-15208

#### WATER PUMP

\* FIRST TYPE - Used prior to engine #77351.

\*\* SECOND TYPE - Used on engines #77351 thru #96151. \*\*\* THIRD TYPE - Used on engines #96152 thru #6-8484. \*\*\*\* FOURTH TYPE - Effective with engine #6-8485. QUANTITY ITEM PART NO. \*\* \*\*\* \*\*\*\* DESCRIPTION NOTE: See GENERATOR for listing of driving belt. PUMP ASSEMBLY (Original equipment. Order PUMP ASSEMBLY 4338662 and item 32) PUMP ASSEMBLY (Original equipment. Order PUMP ASSEMBLY 4338662) PUMP ASSEMBLY (Service replacement) (Consists of items 15 thru 30) CAPSCREW, 3/8"NC x 1" LOCKWASHER, 3/8" **IMPELLER** SEAL ASSEMBLY (Serviced only as a unit) SHAFT KEY, #5 woodruff, 1/8" x 5/8" RING, water slinger HOUSING BEARING, ball, rear BEARING, ball, front RING, snap, bearing retaining SPACER, bearing RING, snap BEARING, ball, front HOUSING (Not available. Order items 1 and 32) . . . . . . . . . BEARING, ball, rear SHAFT ASSEMBLY (Includes item 16) KEY, #5 woodruff, 1/8" x 5/8" FLINGER, water SEAL ASSEMBLY (Serviced only as a unit) IMPELLER ASSEMBLY (Includes ceramic insert) PIN, cotter, impeller nut NUT, impeller retaining

(Continued)

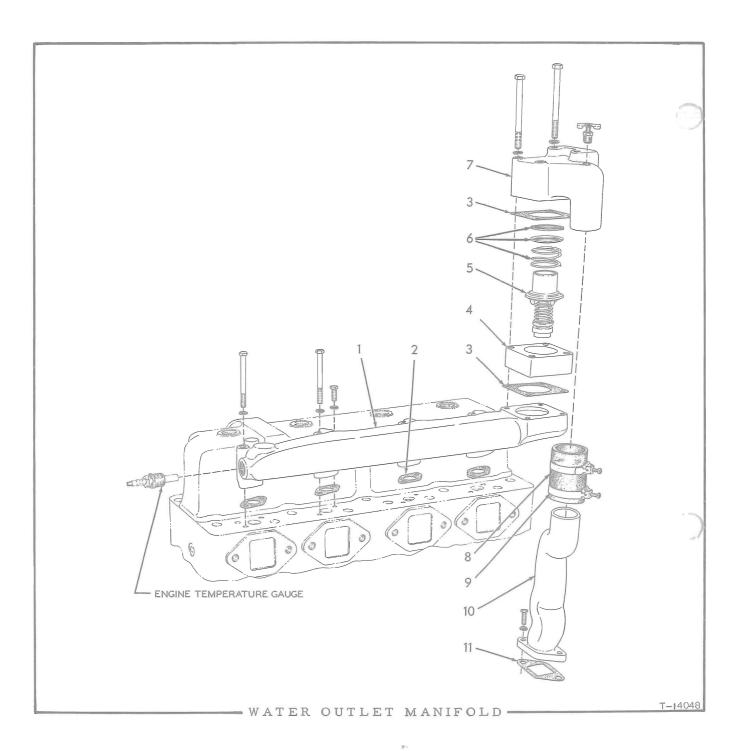
## WATER PUMP (Continued)

| ITEM | PART NO.                    | × ×         |             | TITY        | ****        | DESCRIPTION  |
|------|-----------------------------|-------------|-------------|-------------|-------------|--|
| 21   | 4371707                     | _           |             | 1           | 1           |  |
| 41   | C 4044204                   | -           | -           |             | 7           |  |
| 22   | 4044200                     | -           | -           | 1           | -           | RETAINER, sealing washer                                       |
|      | 4335320                     | -           | -           | -           | 1           | RETAINER, sealing washer                                       |
| 23   | 4044205                     | -           | -           | 1           |             | WASHER, sealing  |
|      | 4348825                     | une         | -           | -           | 1           | WASHER, sealing  |
| 24   | 4044209                     | -           | -           | 1           | 1           | WASHER, retaining  |
| 25   | 4044207                     | -           | -           | 1           | -           | SPACER, driving pulley   |
| 26   | 4044210                     |             | -           | 1           | 1           | BEARING, ball, front   |
| 27   | 4044211                     | -           | -           | 1           | 1           | SPACER, bearing  |
| 28   | 4044212                     | -           | -           | 1           | 1           | BEARING, ball, rear  |
| 29   | 4338663                     | -           | -           | 1           | 1           | BODY, water pump   |
| 30   | 4335808<br>910847<br>917680 | ene<br>ara  |             | -           | 1<br>1<br>1 | FLANGE, driving pulley NUT, 3/4"NF NUT, Pal locking, 3/4"NF    |
| 31   | 4348393<br>910847<br>917680 | 1<br>1<br>1 | 1<br>1<br>1 | 1<br>1<br>1 | 275<br>245  | PULLEY NUT, 3/4"NF NUT, Pal locking, 3/4"NF                    |
| 200  | <i>{</i> 4335809            | -           | -           | -           | 1           | PULLEY (7-1/8" diam.)(Used prior to engine #6-11               |
| 32   | 4349675                     | _           | -           | -           | 1           | PULLEY (6" diam.)(Effective with engine #6-10368)              |
|      | 916206<br>904205            | -           | -           | -           | 4<br>4      | CAPSCREW, 5/16"NF x 7/8" LOCKWASHER, 5/16"                     |
| 33   | 4346744                     | 1           | 1           | 1           | 1           | ☐ GASKET, water pump   |
| 34   | 4335056                     | 1           | 1           | 1           | 1           | ☐ GASKET, water pump volute                                    |
|      | 4348330                     | 1           | 1           | con         |             | VOLUTE (Has external drain)(Used prior to engine               |
| 35   | 901651                      | 1           | 1           | _           |             | #91809)<br>PLUG, pipe, 1/8"NPT                                 |
| 33   | 4349953                     | -           | 1           | 1           | 1           | VOLUTE (Has internal drain)(Effective with engine #91809)      |
|      | 904281<br>904206<br>901653  | 5<br>5<br>1 | 5<br>5<br>1 | 5<br>5<br>1 | 5<br>5<br>1 | CAPSCREW, 3/8"NC x 2-1/4" LOCKWASHER, 3/8" PLUG, pipe, 3/8"NPT |

☐ Also see PACKAGED PARTS

## WATER PUMP (Continued)

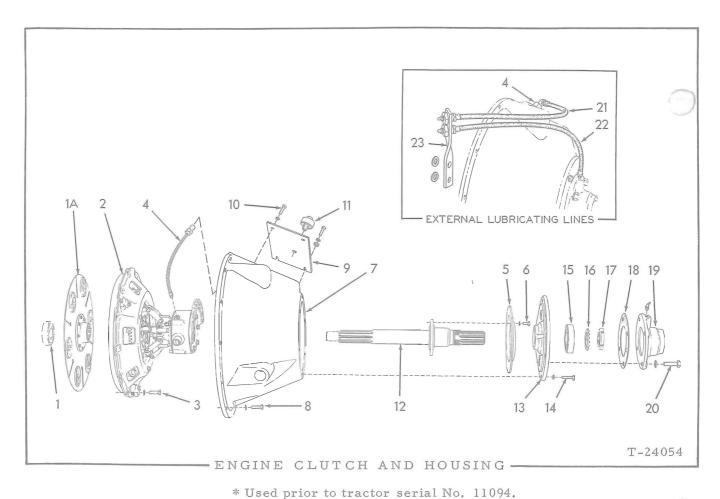
| ITEM | PART NO.  | *    | QUA: | NTI<br>*** | T Y<br>**** | DESCRIPTION  |
|------|-----------|------|------|------------|-------------|--|
|      |           |      |      |            |             |  |
| 1    | 045507    | -    |      | 1          | 1           | HOSE, lubricating (12-1/4" long)(Used prior to                   |
|      |           |      |      |            |             | engine #6-12757)   |
|      | 915276    | -    | -    | 1          | 1           | FITTING, lubricating, 90°, 1/8"NPT ADAPTER, elbow, 90°, 1/8"NPT  |
|      | 914463    | -    | -    | 1          | Î<br>I      | ADAPTER, elbow, 90°, 1/8"NPT                                     |
|      | 904209    | num. | -    | 1          | 1           | LOCKWASHER, 5/8"   |
|      | 911049    | -    | ***  | 1          | 1           | NUT, jam, 5/8"NF   |
| 36 < | \         |      |      |            |             |  |
|      | 4336527   | -    | -    |            | 1           | HOSE, lubricating (26-5/8" long)(Effective with engine #6-12757) |
|      | 915274    |      | -    | een.       | 1           | FITTING, lubricating, 45°, 1/8"NPT                               |
|      | 911049    |      |      |            | 1<br>1<br>1 | NUT. jam. 5/8"NF   |
|      | 914463    | _    |      | -          | 1           | ADAPTER, elbow, 90°, 1/8"NPT                                     |
|      |           |      |      |            | _           |  |
| 37   | 089389    | 1    | 1    | _          |             | TUBE ASSEMBLY, water drain (Used prior to tractor                |
|      | , , , , , |      | _    |            |             | #1692)   |
|      | 913535    | 1    | 1    |            | 240         | CONNECTOR, inverted flare, 1/4" tube,                            |
|      | ,         |      | _    |            |             | 1/8"NPT male   |
|      | 913039    | 1    | 1    |            |             | ELBOW, 90°, inverted flare, 1/4" tube,                           |
|      | ,1000,    | _    | _    |            |             | 1/8"NPT male   |
|      | 904269    | Ĩ    | 1    |            | _           | BUSHING, pipe reducing, 1/2"NPT to 1/8"NPT                       |
|      | /0120/    | 7    | 7    |            | _           | Dobinito, pipe reducing, 1/2 Will to 1/0 Will                    |
| 38   | 4251849   | 200  | _    | ***        | 1           | CLIP, lubricating hose (Effective with engine #6-12757)          |



| ITEM | PART NO.  | QTY.                  | DESCRIPTION   |
|------|---|-----------------------|---|
| 1    | 4348022<br>914392<br>917300<br>917016<br>904205 | 1<br>4<br>1<br>3<br>8 | MANIFOLD, water outlet CAPSCREW, 5/16"NC x I" CAPSCREW, 5/16"NC x 3-1/4" CAPSCREW, 5/16"NC x 3-1/2" LOCKWASHER, 5/16" |
| 2    | 4348278   | 4                     | □GASKET, water manifold   |
| 3    | 4348189   | 2                     | GASKET, thermostat housing  |
| 4    | 4348478   | 1                     | SPACER, thermostat housing  |
|      |   |                       | □Also see PACKAGED PARTS  |
|      |   |                       | (Continued)   |

# WATER OUTLET MANIFOLD (Continued)

| ITEM | PART NO.                    | QTY.        | DESCRIPTION  |
|------|-----------------------------|-------------|--|
| 5    | 4363280                     | 1           | THERMOSTAT   |
| 0    | 4375678                     | I           | SEAL ASSEMBLY, thermostat (1 seal, 1 spring, 1 retainer. Serviced only as a unit)  |
| 7    | 4348740                     | 1           | HOUSING ASSEMBLY, thermostat (Includes brass insert) (When required for engines prior to #95230 also order 1 COCK 912415 and 1 HOSE 4337602) |
|      | 912415                      | 1           | COCK, T-handle, 1/4"NPT (Effective with engine #95230)   |
|      | 903778                      | 2           | CAPSCREW, 3/8"NC x 4-1/2"  |
|      | 917059                      | 2           | CAPSCREW, 3/8"NC x 5"  |
|      | 904206                      | 4           | LOCKWASHER, 3/8"   |
| 8 -  | 4341743                     | 1           | HOSE, water by-pass tube (2-1/4" long) (Used prior to engine #95230)   |
| 0 -  | 4337602                     | 1           | HOSE, water by-pass tube (3-1/4" long) (Effective with engine #95230)  |
| 9    | 4253459                     | 2           | CLAMP, hose  |
| 10   | 4348097<br>910211<br>904206 | 1<br>2<br>2 | PIPE, water by-pass CAPSCREW, 3/8"NC x 1-1/8" LOCKWASHER, 3/8"   |
| 11   | 4347031                     | 1           | GASKET, water by-pass pipe   |
|      |                             |             | Also see PACKAGED PARTS  |



\*\* Effective with tractor serial No. 11094. QTY. ITEM PART NO. DESCRIPTION 1 099133 BEARING, ball, clutch shaft, front 088816 PLATE ASSEMBLY, driven (Has ceramic friction discs)(Standard) 1A 643314 PLATE ASSEMBLY, driven (Has feramic friction facings)(Special) 1 2 643315 CLUTCH ASSEMBLY, engine (AUBURN type. See page 141 for parts. Also see page 139 for parts for ROCKFORD clutch used on early units)(If for first replacement also order item 1A) 12 CAPSCREW, 3/8"NC x 1-1/4" (Used with ROCKFORD clutch) 013058 CAPSCREW, 3/8"NC x 1" (Used with AUBURN CLUTCH) 035439 12 12 904206 12 LOCKWASHER, 3/8" 12 053899 HOSE, lubricating, clutch shifter bearing (10-1/2" long)(Used prior to tractor #11379) 099410 HOSE, lubricating, clutch shifter bearing, lower (8-1/2" long) (Effective with tractor #11379) 911049 NUT, jam, 5/8"NF 1 1 FITTING, lubricating, 45°, 1/8"NPT ELBOW, street, brass, 90°, 1/8"NPT 915274 1 915399

□Also see PACKAGED PARTS

LOCKWASHER, 5/16"

DISC, clutch brake

1

6

6

6

050579

083270

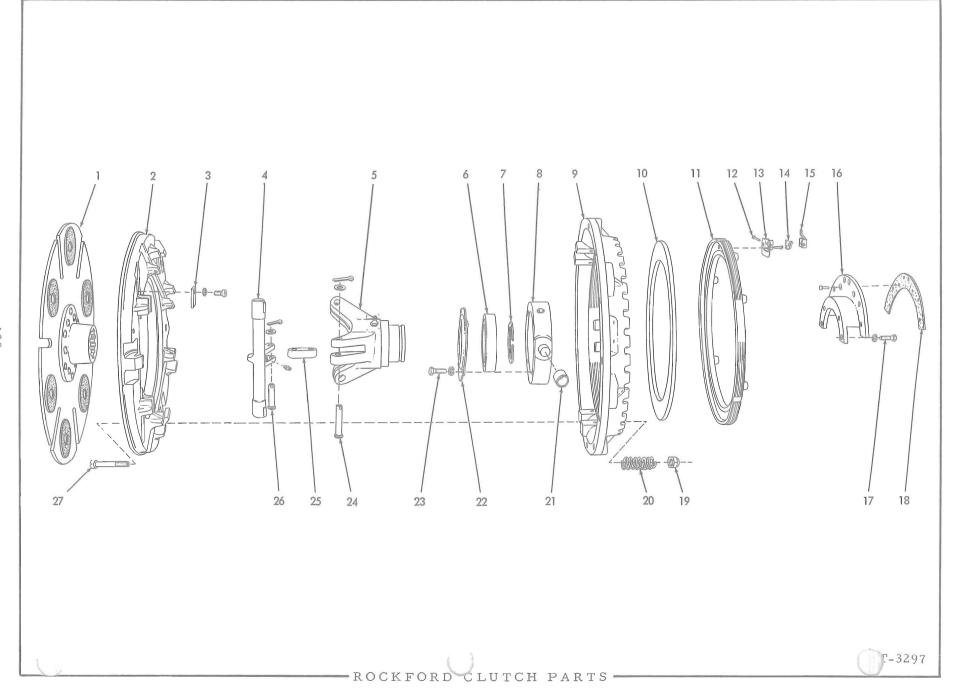
904205

(Continued)

CAPSCREW, 5/16"NF x 5/8"

## ENGINE CLUTCH AND HOUSING (Continued)

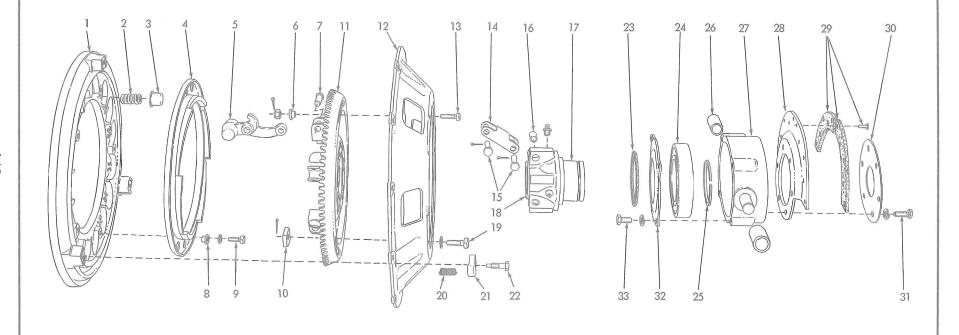
| ITEM     | PAR'   |                              | QT<br>*          |               | DESCRIPTION  |
|----------|--|------------------------------|------------------|---------------|--|
| 7        |  | m cm cm cm                   | 1                | I             | HOUSING, engine clutch (Used prior to tractor #11379)(Order 1 each HOUSING 099411, COVER 099407, HOSE 099410, 2 CAPSCREW 044249 and 2 WASHER 044973)                                 |
|          | 099  | 9411                         | es9              | 1             | HOUSING, engine clutch (Effective with tractor #11379)   |
| 8        | $   \left\{     \begin{array}{c}       044 \\       013 \\       904   \end{array}   \right. $ | 1249 1<br>3058<br>1206 1     | 10<br>-<br>10    | 10<br>9<br>10 | CAPSCREW, $3/8$ "NC x 1-1/8" (Used prior to tractor #11379) CAPSCREW, $3/8$ "NC x 1-1/4" (Effective with tractor #11379) LOCKWASHER, $3/8$ " (1 less used on tractors #11379 and up) |
| 0        | 5 086  | 6241                         | 1                | 1             | COVER, clutch access (Used prior to tractor #11379)  |
| 9        | 099  | 9407                         | -                | 1             | COVER, clutch access (Effective with tractor #11379)   |
|          | 035  | 5439                         | 4                | 4             | CAPSCREW, 3/8"NC x 1" (2 less used effective with tractor  |
| 10       | 044<br>904<br>044  | 5439<br>4249<br>4206<br>4973 | 4                | 2<br>4<br>2   | #11379) CAPSCREW, 3/8"NC x 1-1/8" (Effective with tractor #11379) LOCKWASHER, 3/8" WASHER, plain (Effective with tractor #11379)   |
| 11       | 050  | 0748                         | 1                | 1             | BREATHER, clutch housing   |
| 12       | 08   | 5774                         | 1                | 1             | SHAFT, clutch  |
| 13<br>14 | 013  | 5810<br>3058<br>4206         | 1<br>6<br>6      | 1<br>6<br>6   | RETAINER, clutch shaft rear bearing CAPSCREW, 3/8"NC x 1-1/4" LOCKWASHER, 3/8"   |
| 15       | 047  | 2847                         | 1                | 1             | BEARING, ball, clutch shaft, rear  |
| 1.6      | 03   | 0123                         | 1                | 1             | WASHER, locking, rear bearing nut  |
| 17       | 03   | 0107                         | 1                | 1             | NUT, clutch shaft rear bearing   |
| 18       | 05   | 0647                         | 1                | 1             | GASKET, rear bearing cap   |
| 19<br>20 | 91   | 1597<br>5273<br>5733<br>4208 | 1<br>1<br>4<br>4 | -             |  |
| 21       | 91   | 36526<br>1049<br>4465        | -                | 1<br>1<br>1   | HOSE, lubricating, clutch shifter bearing, upper (14-1/2" long) NUT, jam, 5/8"NF FITTING, lubricating, straight, 1/8"NPT   |
| 22       | 91   | 9409<br>1049<br>4465         |                  | 1<br>1<br>1   | HOSE, lubricating, rear bearing NUT, jam, 5/8"NF FITTING, lubricating, straight, 1/8"NPT   |
| 23       |  | 9374<br>0244                 | -                | 1<br>2        | BRACKET, hose supporting WASHER, plain, SAE std., 1/2"   |



## ROCKFORD CLUTCH PARTS

USAGE: Tractors prior to serial No. 1697. See page 141 for AUBURN CLUTCH parts used on later units.

|                 |                            |             | used on later units.   |
|-----------------|----------------------------|-------------|--|
| Iı_M            | PART NO.                   | QTY.        | DESCRIPTION  |
| 1               | 088816                     | 1           | PLATE ASSEMBLY, drive (Has ceramic friction discs)   |
| 2               | 078669                     | 1           | PLATE ASSEMBLY, pressure (Includes item 3)   |
| 3               | 223585<br>901226<br>914593 | 6<br>6      | BLOCK, cam (Recommend replacement in sets) SCREW, machine, fil-hd., 1/4"NC x 1/2" LOCKWASHER, external teeth, 1/4"  Also see item 28 |
| 4               | 073906<br>914465           | 3           | CAMSHAFT ASSEMBLY (Includes FITTING 914465) (Recommend replacement in sets)  |
| -               |                            |             | FITTING, lubricating, straight, 1/8"NPT  |
| 5               | 077697                     | 1           | SLEEVE ASSEMBLY, shifting (Incl. 2 bushings which are not serviced separately. Also includes FITTING indented below)                 |
|                 | 914465                     | 1           | FITTING, lubricating, straight, 1/8"NPT  |
| 6               | 073647                     | 1           | BEARING, ball, shifting sleeve   |
| 7               | 030801                     | 1           | RING retaining, shifting sleeve bearing  |
| 8               | 078052                     | 1           | CARRIER ASSEMBLY, sleeve bearing (Includes item 21)  |
| 9               | 078670                     | 1           | PLATE, back  |
| 10              | 030795                     | 1           | PLATE, adjusting ring  |
| )               | 056297                     | 1           | RING ASSEMBLY, adjusting (Includes items 12 thru 15)   |
| 12              | 040784                     | 1           | PIN, hinge, adjustment lock  |
| 13              | 040781<br>900764           | 1<br>2      | BRACKET, mounting adjustment lock<br>RIVET, fl-hd., 3/16" x 1/2"   |
| 14              | 040783                     | 1           | SPRING, adjustment lock  |
| 15              | 040782                     | 1           | LOCK, adjustment   |
| 16<br>17        | 074752<br>045312<br>904205 | 1<br>4<br>4 | PLATE ASSEMBLY, clutch brake (Includes item 18) CAPSCREW, 5/16"NC x 3/4" LOCKWASHER, 5/16"   |
| 18              | 074751<br>911005           | 1 8         | FACING, brake plate<br>RIVET, tubular, brass, fl-ctsk-hd., 3/16" x 5/16"   |
| 19              | 073927                     | 3           | NUT, retracting spring screw   |
| 20              | 078667                     | 3           | SPRING, retracting   |
| 21              | 056864                     | 2           | RACE, shifting yoke needle bearing   |
| 22<br>23        | 073739<br>045312<br>904205 | 1<br>4<br>4 | PLATE, retaining, shifting sleeve bearing CAPSCREW, 5/16"NC x 3/4" LOCKWASHER, 5/16"   |
| 24              | 040220<br>901165<br>913984 | 3<br>3<br>3 | PIN, connecting link (long) WASHER, plain, U.S. std., 5/16" PIN, cotter, 1/8" x 5/8"   |
| en appeared and |                            |             | Also see PACKAGED PARTS (Continued)  |



# ROCKFORD CLUTCH PARTS (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION   |
|------|----------|------|---|
|      | 073626   | 3    | LINK, connecting  |
| 26   | 040221   | 3    | PIN, connecting link (short)  |
|      | 901165   | 3    | WASHER, plain, U. S. std., 5/16"  |
|      | 913984   | 3    | PIN, cotter, 1/8" x 5/8"  |
| 27   | 078668   | 3    | SCREW, retracting spring  |
| 28   | 043397   | 1    | BLOCK KIT, clutch camshaft (Full set of blocks and attaching parts listed under item 3) |

#### AUBURN CLUTCH PARTS

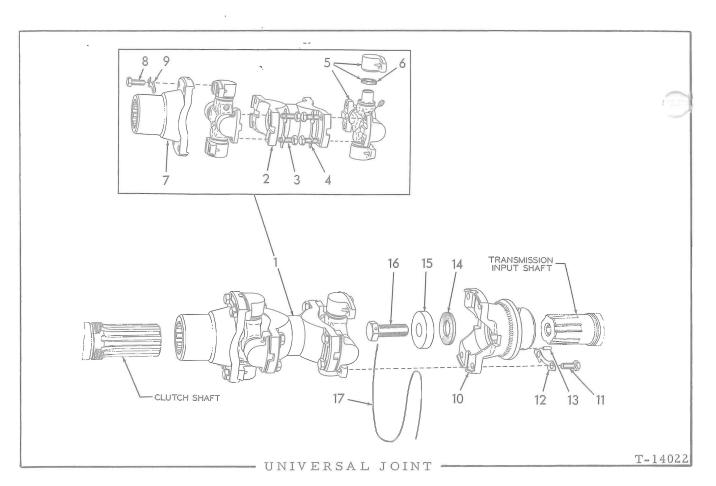
USAGE: Effective with tractor serial No. 1697. See page 139 for ROCKFORD clutch parts used on prior units.

|    | on prior u                 | nits.       |   |
|----|----------------------------|-------------|---|
| 1  | 088814                     | 1           | PLATE, pressure   |
| 2  | 078278                     | 10          | SPRING, pressure  |
| 3  | 044753                     | 10          | CUP, pressure spring  |
| 4  | 055754                     | 1           | RING, pressure  |
| 5  | 088815                     | 6           | LEVER, actuating  |
| 6  | 055757                     | 2           | SPACER, adjusting ring retaining screw  |
| )  | 052354                     | 6           | PIN, actuating lever (3/8" diam., 1-1/8" long)  |
| 8  | 042128<br>903626<br>904205 | 5<br>5<br>5 | SPACER, pressure ring guiding CAPSCREW, 5/16"NC x 3/4" LOCKWASHER, 5/16"                      |
| 10 | 055761                     | 1           | PLATE, locking, adjusting ring  |
| 11 | 088817                     | 1           | RING ASSEMBLY, adjusting (Includes riveted brackets and wear plates. Serviced only as a unit) |
| 12 | 621443                     | 1           | PLATE, back   |
| 13 | 055756                     | 2           | CAPSCREW, retaining, adjusting ring (fil-hd., 5/16"NF x 1",                                   |
|    | 913238<br>904001           | 2<br>2      | drilled end) NUT, castle, 5/16"NF PIN, cotter, 3/32" x 1/2"                                   |
| 14 | 055759                     | 6           | LINK, actuating lever   |
| 15 | 048173<br>904001           | 12<br>12    | PIN, actuating lever link (5/16" diam., 1" long) PIN, cotter, 3/32" x 1/2"                    |
| 16 | 048195                     | 6           | BUSHING, shifting sleeve (steel)  |
| 17 | 078116                     | 1           | SLEEVE ASSEMBLY, shifting (Includes items 16 and 18; also FIT-TINGS indented below)           |
|    | 914465                     | 3           | FITTING, lubricating, straight, 1/8"NPT   |

## AUBURN CLUTCH PARTS (Continued)

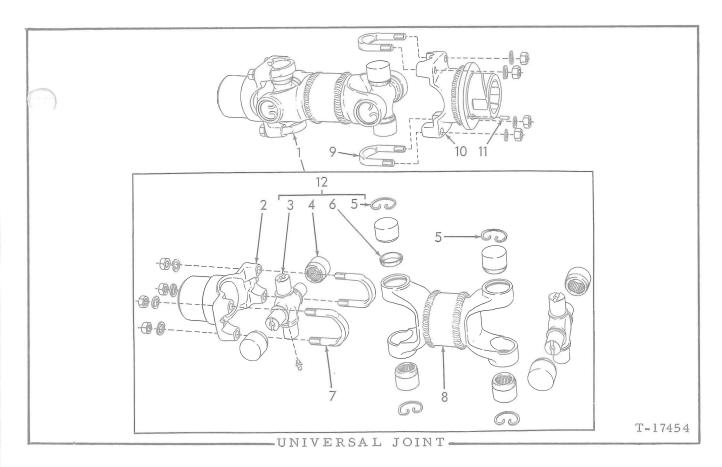
| ITEM     | PART NO.                   | QTY.        | DESCRIPTION   |
|----------|----------------------------|-------------|---|
| 18       | man data com cu-1 soc      | 2           | BUSHING, shifting sleeve (bronze)(Furnished only as part of item  |
| 19       | 055760<br>906960<br>900801 | 1<br>1<br>1 | SCREW (Hex-hd., 3/8"NF x 1", drilled-end) LOCKWASHER, internal teeth, 3/8" PIN, cotter, 3/32" x 3/4"            |
| 20       | 042130                     | 3           | SPRING, pressure plate retracting   |
| 21       | 042129                     | 3           | RETAINER, pressure plate retracting spring  |
| 22       | 074614                     | 3           | CAPSCREW, spring retainer (dog-pt., 5/16"NC x 1-1/16")  |
| 23       | 042141                     | 1           | RING, sealing, shifting sleeve (felt)   |
| 24       | 621440                     | 1           | BEARING, ball, shifting sleeve  |
| 25       | 042144                     | 1           | RING, locking, shifting sleeve bearing  |
| 26       | 056864                     | 2           | RACE, shifting yoke needle bearing  |
| 27       | 078134                     | 1           | YOKE ASSEMBLY, shifting sleeve (Includes item 26)   |
| 28       | 050578                     | 1           | DISC ASSEMBLY, cdutch brake, front (Includes item 29)   |
| 29       | 081756<br>911131           | 1<br>10     | FACING KIT, brake disc (Includes RIVETS indented below) RIVET, tubular, brass, flat-hd., $3/16'' \times 7/16''$ |
| 30<br>31 | 050575<br>057927<br>904205 | 1<br>6<br>6 | SHIELD, grease CAPSCREW, 5/16"NF x 3/4" LOCKWASHER, 5/16"  Also attach brake disc                               |
| 32<br>33 | 042142<br>035979<br>904206 | 1<br>4<br>4 | RETAINER, shifting sleeve bearing CAPSCREW, 3/8"NF x 5/8" LOCKWASHER, 3/8"                                      |

Also see PACKAGED PARTS



USAGE: All tractors except Nos. 7191 thru 8190; also Nos. 9773 thru 10171.

| ITEM           | PART NO.                   | QTY.        | DESCRIPTION   |
|----------------|----------------------------|-------------|---|
| 1              | 085892                     | 1           | JOINT ASSEMBLY, universal (Consists of items 2 thru 9)                                |
| 2<br>3<br>4    | 085976<br>073932<br>073935 | 1<br>8<br>4 | YOKE, connecting<br>CAPSCREW (5/16"NF x 7/8")<br>LOCK, capscrew                       |
| 5              | 086284                     | 2           | SPIDER ASSEMBLY (Includes BEARINGS, item 6, and FITTING                               |
|                | 914687                     | 2           | indented below. Serviced only as a unit) FITTING, lubricating, straight, 1/4"NF       |
| 7              | J 178556                   | 8           | WASHER, sealing, spider bearing (cork)(Original equipment)                            |
| 6              | 625543                     | 8           | SEAL, spider bearing (rubber type)(Service replacement)                               |
| 7<br>8<br>9    | 082380<br>073932<br>073935 | 1<br>4<br>2 | YOKE, front<br>CAPSCREW (5/16"NF x 7/8")<br>LOCK, capscrew                            |
| 10<br>11<br>12 | 085879<br>073932<br>073935 | 1<br>4<br>2 | YOKE ASSEMBLY, rear (Includes item 13)<br>CAPSCREW (5/16"NF x 7/8")<br>LOCK, capscrew |
| 13             | 050569                     | 3           | PIN, driving, transmission oil ring   |
| 14             | AND 140 MG MAD PAR MAD     | 1           | SEAL  |
| 15             | E-4 (A10 New TOO NEW COM   | 1           | WASHER See TRANSMISSION   |
| 16             |                            | 1           | CAPSCREW  |
| 17             |                            | 1           | WIRE  |



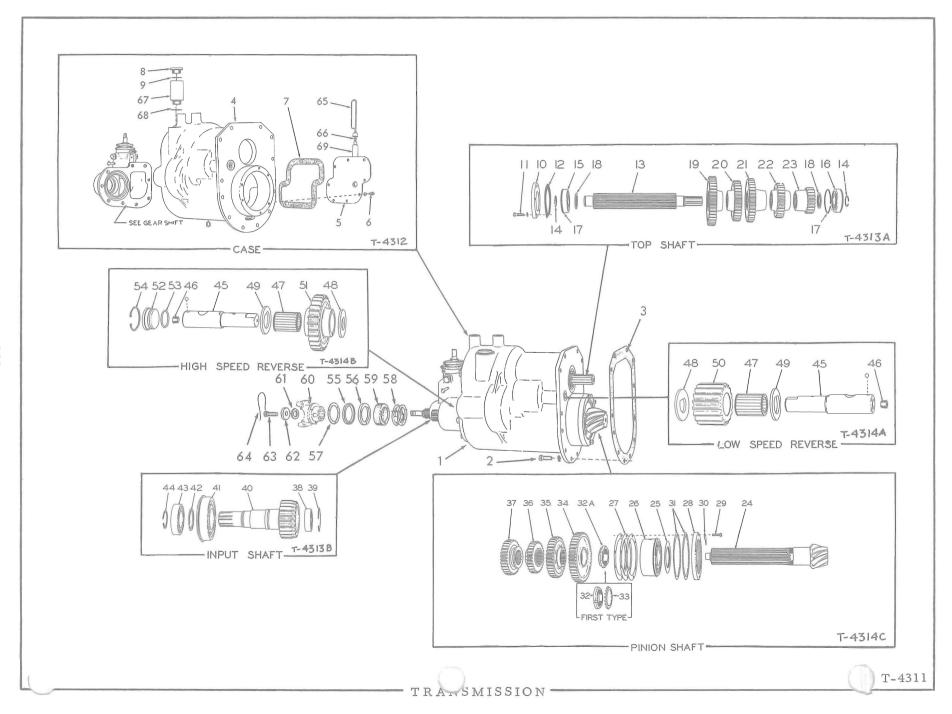
USAGE: Tractors serial No. 7191 thru 8190; also Nos. 9773 thru 10171.

| М   | PART NO.                   | QTY.        | DESCRIPTION  |
|-----|----------------------------|-------------|--|
| 1   | 091673                     | 1           | JOINT ASSEMBLY, universal, clutch to transmission (Consists of items 2 thru 8) |
| 2   | 065481                     | 1           | YOKE, front  |
| 3   | 912808                     | 2           | CROSS, journal FITTING, lubricating, straight, 1/4"NF, tapered thread  Also    |
| 4   |                            | 8           | BEARING, needle see item   |
| 5   | 052416                     | 4           | RING, snap, journal cross  |
| 6   | See 549 Dec 230 DEC 544    | 8           | GASKET, journal cross  |
| 7   | 054228<br>904206<br>911041 | 2<br>4<br>4 | U-BOLT, front yoke<br>LOCKWASHER, 3/8"<br>NUT, 3/8"NF                          |
| 8   | 091671                     | 1           | SHAFT  |
| 9   | 054228<br>904206<br>911041 | 2<br>4<br>4 | U-BOLT, rear yoke<br>LOCKWASHER, 3/8"<br>NUT, 3/8"NF                           |
| 10  | 052423                     | 1           | YOKE ASSEMBLY, rear (Includes item 11)   |
| 11  | 050569                     | 3           | PIN, driving, transmission oil seal ring                                       |
| . 4 | 080470                     | 2           | JOURNAL KIT (Consists of items 3 thru 6)                                       |

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## ENGINE CLUTCH CONTROL

| ITEM     | PART NO.                             | QTY.             | DESCRIPTION   |
|----------|--------------------------------------|------------------|---|
| 1        | 078620                               | 1                | GRIP, operating lever   |
| A        | 089182                               | 1                | EXTENSION, operating lever (Used prior to tractor #11094)                                   |
|          | 088626                               | 1                | LEVER ASSEMBLY, clutch operating (Includes item 5) (Used prior to tractor #11094)           |
| 2 {      | 097764                               | 1                | LEVER ASSEMBLY, clutch operating (Includes item 5)(Effective with tractor #11094)           |
| 3        | 051513                               | 2                | BEARING, needle, operating lever  |
| 4        | 053926                               | 2                | SEAL, dust, operating lever   |
| 5        | 049988                               | 1                | BUSHING, operating lever (steel)  |
| 6        | 049993<br>900805                     | 2<br>2           | PIN, operating rod yoke PIN, cotter, 1/8" x 3/4"  |
|          | 085768                               | 1                | SHAFT, operating lever (Used prior to tractor #11094)                                       |
| 7 <      | 097567                               | 1                | SHAFT ASSEMBLY, operating lever (Includes mounting bracket) (Effective with tractor #11094) |
|          | 911159<br>910302                     | 1<br>1           | WASHER, plain, SAE std., 1" PIN, cotter, 5/32" x 1-1/4"                                     |
| 7A       | 035018                               | 4                | CAPSCREW, lever shaft (1/2"NF x 1-1/2")(Effective with tractor #11094)                      |
|          | 904208                               | 4                | LOCKWASHER, 1/2"  |
| 8 {      | 088624                               | 1                | ROD, clutch operating (6" long)(Used prior to tractor #11094)                               |
| - (      | 097741                               | 1                | ROD, clutch operating (13" long)(Effective with tractor #11094)                             |
|          | 911043                               | 1                | NUT, 1/2"NF   |
| 9        | 068389                               | 1                | YOKE, operating rod   |
| . ) {    | 068511                               | 1                | LEVER, clutch control (3" long)(Used prior to tractor #11094)                               |
| (        | . 097784                             | 1                | LEVER, clutch control (2-1/4" long)(Effective with tractor #11094)                          |
| 11       | 046419<br>904206<br>911041           | 1<br>1<br>1      | CAPSCREW, 3/8"NF x 2" LOCKWASHER, 3/8" NUT, 3/8"NF  |
| 12       | 036997                               | 3                | KEY, #13 woodruff, 3/16" x 1", hardened   |
| 13       | 085822                               | 1                | SHAFT, clutch shifting yoke, left side  |
| 14       | 053926                               | 4                | SEAL, dust, shifting yoke shaft   |
| 15       | 604925                               | 3                | BEARING, needle, shifting yoke shaft  |
| 16<br>17 | 632082<br>035068<br>904208<br>911043 | 1<br>2<br>2<br>2 | YOKE, clutch shifting CAPSCREW, 1/2"NF x 2-1/4" LOCKWASHER, 1/2" NUT, 1/2"NF                |
| 18       | 053931                               | 1                | SHAFT, clutch shifting yoke, right side   |
| 19       | 053929                               | 2                | □BLOCK, sliding, shifting yoke  |
| 20       | 050442                               | 2                | DBEARING, needle, shifting yoke   |
| 21       | 053927                               | 4                | SEAL, dust, shifting yoke bearing   |
| 22       | em see san en em                     | 2                | RACE, shifting yoke needle bearing (See CLUTCH ASSEMBLY)                                    |
| 23       | tion data have been tone than        | 1                | LEVER, gear shift lock (See GEAR SHIFT)   |
|          |                                      |                  | Dalso see PACKAGED PARTS  |



### TRANSMISSION

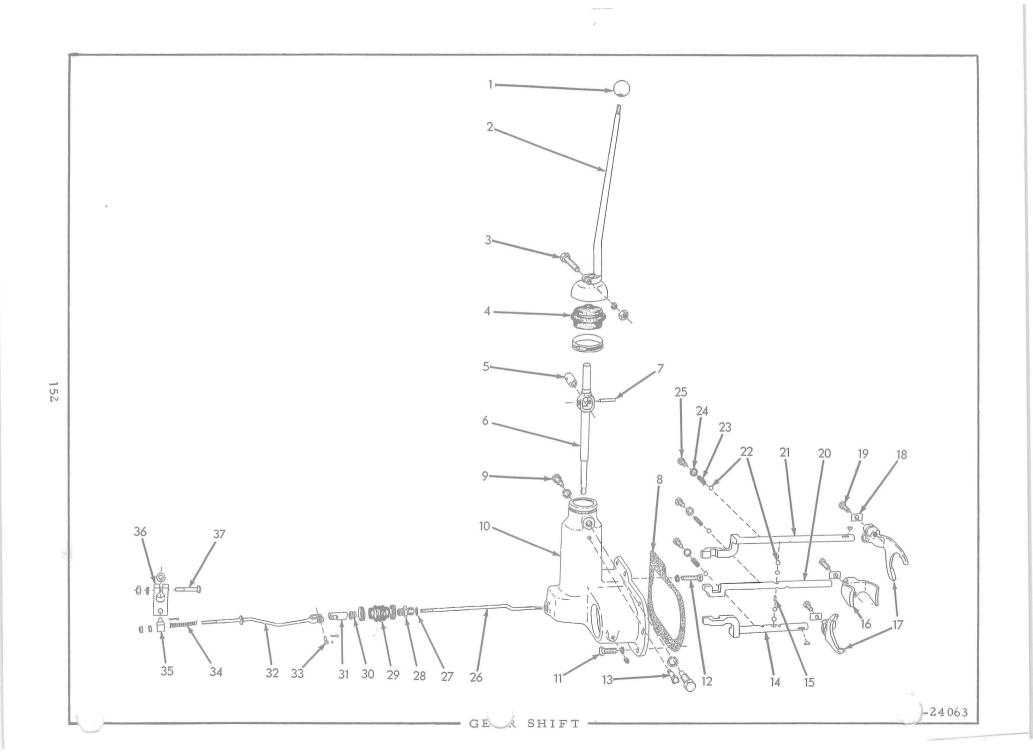
| ITEM | PART NO.                   | QTY.        | DESCRIPTION   |
|------|----------------------------|-------------|---|
|      | 086774                     | 1           | TRANSMISSION ASSEMBLY (Consists of items 4 thru 54. Also includes gear shift mechanism)(Used prior to tractor #11094)                 |
| 1    | 098047                     | 1           | TRANSMISSION ASSEMBLY (Consists of items 4 thru 54 and 65 thru 68. Also includes gear shift mechanism)(Effective with tractor #11094) |
| 2    | 035733<br>904208           | 12<br>12    | CAPSCREW, 1/2"NC x 1-3/8"<br>LOCKWASHER, 1/2"   |
| 3    | 050298                     | 1           | $\square$ GASKET, transmission case to steering clutch housing  |
| 4.   | 075711<br>901653           | 1<br>1      | CASE ASSEMBLY (Includes one each of items 45,46,52,53 and 54) PLUG, pipe, 3/8"NPT   |
| ۳    | 080808 901652              | 1           | COVER, side (Tractors prior to #11094)<br>PLUG, pipe, 1/4"NPT   |
| 5    | 099887                     | 1           | COVER, side (Tractors #11094 and up)(If for first replacement on tractors prior to #12322 also order 1 PIPE 099886)                   |
| 6    | 035244<br>904206           | 8           | CAPSCREW, 3/8"NC x 3/4"<br>LOCKWASHER, 3/8"   |
| 7    | 050304                     | 1           | □GASKET, side cover   |
| 8    | 035250                     | 1           | PLUG, oil filler  |
| 9    | 035249                     | 1           | □GASKET, oil filler plug  |
| 2    | 050297<br>013058<br>904206 | 1<br>5<br>5 | COVER, top shaft front bearing CAPSCREW, 3/8"NC x 1-1/4" LOCKWASHER, 3/8"   |
| 12   | 050296                     | 1           | ☐GASKET, top shaft front bearing cover  |
| 13   | 049938                     | 1           | SHAFT, top  |
| 14   | 051344                     | 2           | RING, snap, top shaft   |
| 15   | 090645                     | 1           | BEARING, ball, top shaft, front   |
| 16   | 051345                     | 1           | BEARING, roller, top shaft, rear  |
| 17   | 053237                     | 2           | RING, snap, top shaft bearing   |
| 18   | 050295                     | 2           | WASHER, top shaft   |
| 19   | 049915                     | 1           | GEAR, constant mesh, top shaft (43 teeth)   |
| 20   | 049924                     | 1           | GEAR, 3rd speed, top shaft (35 teeth)   |
| 21   | 068797                     | 1           | GEAR, high speed reverse, top shaft (36 teeth)  |
| 22   | 049934                     | 1           | GEAR, second speed, top shaft (30 teeth)  |
| 23   | 049944                     | 1           | GEAR, low speed, top shaft (22 teeth)   |
| 24   | 057415                     | 1           | PINION AND SHAFT (9 teeth)  |
| 7 (  |                            |             | □Also see PACKAGED PARTS  |
|      |                            |             |   |

## TRANSMISSION (Continued)

| ITEM PART NO.                                       | QTY.        | DESCRIPTION   |
|---|-------------|---|
| 25 052231   | 1           | SHIELD, pinion shaft rear bearing   |
| 26 081670   | 1           | BEARING, ball, pinion shaft, rear (Includes snap ring)  |
| 27 \begin{cases} 052272 \\ 052273 \\ 052274         | 2<br>2<br>3 | SHIM, pinion shaft rear bearing (.005" thick. Use as req'd) SHIM, pinion shaft rear bearing (.007" thick. Use as req'd) SHIM, pinion shaft rear bearing (.010" thick. Use as req'd) |
| 28 052247<br>29 013058<br>30 052281                 | 1<br>6<br>3 | RETAINER, pinion shaft rear bearing CAPSCREW, 3/8"NC x 1-1/4". STRIP, capscrew locking  |
| 31 \( \begin{array}{c} 053209 \\ 053206 \end{array} | 3           | SHIM, bearing retainer (.005" thick. Use as req'd) SHIM, bearing retainer (.007" thick. Use as req'd)   |
| 32  | 1           | NUT, pinion shaft (Original equipment. Order item 32A)  |
| 32A 632655  | 1           | NUT, pinion shaft (Service replacement)   |
| 33 048694   | 1           | LOCKWASHER, pinion shaft nut (Original equipment. Not used with NUT 632655)   |
| 34 049921   | 1           | GEAR, low speed and reverse, pinion shaft (44 teeth)  |
| 35 049922   | 1           | GEAR, 2nd speed, pinion shaft (36 teeth)  |
| 36 068807   | 1           | GEAR, high speed reverse, pinion shaft (26 teeth)   |
| 37 049919   | 1           | GEAR, 3rd and 5th speeds, pinion shaft (31 teeth)   |
| 38 050272   | 1           | BEARING, roller, pinion shaft, front  |
| 39 050291   | I           | RING, snap, pinion shaft front bearing  |
| 40 049943   | 1           | SHAFT, input (23-tooth gear)  |
| 41 050270   | 1           | BEARING, ball, input shaft, rear (Includes snap ring)   |
| 42 050292   | 1           | RING, snap, input shaft, rear   |
| 43 042847   | 1           | BEARING, ball, input shaft, front   |
| 44 050293   | 1           | RING, snap, input shaft, front  |
| 45 073000<br>905359                                 | 2<br>2      | SHAFT, reverse gear BALL, steel, 5/16" diam.  |
| 46 051496   | 2           | PLUG, reverse gear shaft  |
| 47 050271   | 2           | ROLLER ASSEMBLY, reverse gear bearing   |
| 48 051300   | 2           | WASHER, thrust, reverse gear, inner   |
| 49 051301   | 2           | WASHER, thrust, reverse gear, outer   |
| 50 049933   | 1           | GEAR, low speed reverse (18 teeth)  |
| 51 073001   | 1           | GEAR, high speed reverse (28 teeth)   |
| 52 069999   | 1           | PLUG, high speed reverse shaft hole   |
|   |             | Y Y   |

## TRANSMISSION (Continued)

| ITEM     | PART NO.                  | QTY. | DESCRIPTION  |
|----------|---------------------------|------|--|
|          | 923813                    | 1    | □O-RING, reverse shaft hole plug                                       |
| 54       | 056362                    | 1    | RING, snap, reverse shaft hole plug                                    |
| 55       | 049110                    | 1    | RING, seal, input shaft (steel)  |
| 56       | 056589                    | 1    | RING, seal, input shaft (bronze)                                       |
| 57       | 049836                    | 1    | GASKET, input shaft seal ring  Also see item 70                        |
| 58       | 056588                    | 1    | SPRING ASSEMBLY, seal (Serviced only as a unit)                        |
| 59       | 621860                    | 1    | BOOT, input shaft seal   |
| 60       | and but and the bill part | 1    | YOKE (See UNIVERSAL JOINT)   |
| 61       | 050548                    | 1    | SEAL, universal joint yoke (Also see item 70)                          |
| 62       | 050547                    | 1    | WASHER, retaining, universal joint yoke                                |
| 63<br>64 | 070162<br>023633          | 1    | CAPSCREW, retaining, universal joint yoke WIRE, locking, 1/16" x 12"   |
|          |                           |      | NOTE: Items listed below were effective with tractor serial No. 11094. |
| 65       | 099890                    | 1    | GAUGE, oil level   |
| 66       | 4506607                   | 1.   | SEAL, oil level gauge  |
| 7        | 098815                    | 1    | ADAPTOR, extension, oil filler   |
| 68       | 035249                    | 1    | GASKET, oil filler adaptor   |
| 69       | 099886                    | 1    | PIPE, oil level gauge  |
| 70       | 082876                    | -    | SEAL KIT (Consists of items 55 thru 59 and 61)(Not illustrated)        |
|          |                           |      | □Also see PACKAGED PARTS   |



#### GEAR SHIFT

\* Used prior to tractor serial No. 11094. \*\* Effective with tractor serial No. 11094.

```
QTY.
     PART NO.
                  *
                    水水
                          DESCRIPTION
       091862
                  1
                     1
                          KNOB, gear shift lever
1
       086728
                          LEVER, gear shift
       097808
                     1
                          LEVER, gear shift
       035073
                          CAPSCREW, lever clamping (1/2"NF x 1-3/4")
       035892
                          CAPSCREW, lever clamping (1/2"NF x 2-1/2")
                     1
       904208
                              LOCKWASHER, 1/2"
                  1
                     1
       911043
                              NUT, 1/2"NF
                  1
                      1
       076130
                          BOOT, shift lever
       078742
                      1
                          BOOT, shift lever
       916995
                              CLAMP, hose, 3"I.D.
                      1
5
       622080
                  1
                      1
                          SHAFT, lever pivot
       086705
                          LEVER, shift
       098089
                      I
                          LEVER, shift
                          PIN, roll (3/8" \times 1-3/4")
 7
       915500
                  1
                      1
 8
       050294
                  1
                      1
                        ☐GASKET, shift lever housing
                          SCREW, lever pivot
       621329
                  2
                      2
       904209
                  2
                      2
                              LOCKWASHER, 5/8"
        086696
                  1
                          HOUSING, shift lever
10
        628147
                      1
                          HOUSING, shift lever (If for first replacement also order 1 PLUG
                             901652)
        901652
                      1
                              PLUG, pipe, 1/4"NPT
11
        035733
                  8
                      8
                              CAPSCREW, 1/2"NC x 1-3/8"
                              CAPSCREW, 1/2"NC x 2"
12
        921556
                  1
                      1
                      9
                  9
        904208
                              LOCKWASHER, 1/2"
13
       051447
                  1
                      1
                          BREATHER ASSEMBLY (Serviced only as a unit)
14
       633431
                  1
                      1
                          SHAFT, shifting, lower
15
        050266
                  1
                      1
                          PIN, shifting shaft interlock
16
        050211
                          FORK, shifting, intermediate shaft
                  ]
                      1
17
        097742
                  2
                      2
                          FORK, shifting, upper and lower shafts
                              KEY, #7 woodruff, 1/8" \times 3/4"
        905122
                  2
                      2
18
                  3
                      3
                          LOCK (Discontinued)
        ----
19
        035018
                  3
                      3
                          CAPSCREW, clamping, shifting fork (1/2"NF x 1-1/2")
20
        050207
                  1
                          SHAFT, shifting, intermediate
                        Also see PACKAGED PARTS
                                        (Continued)
```

### GEAR SHIFT

|          |                                      | QT          | Y           |  |
|----------|--------------------------------------|-------------|-------------|--|
| ITEM     | PART NO.                             |             | **          | DESCRIPTION  |
| 21       | 633430                               | 1           | 1           | SHAFT, shifting, upper   |
| 22       | 905362                               | 7           | 7           | BALL, steel, 1/2" diam.  |
| 23       | 099138                               | 3           | 3           | SPRING, shifting shaft ball  |
| 24       | 049918                               | 3           | 3           | WASHER, shifting shaft ball spring capscrew (copper)                                     |
| 25       | 035159                               | 3           | 3           | CAPSCREW, shifting shaft ball spring (5/8"NC $\times$ 1")                                |
| 26       | 076850                               | 1           | 1           | PLUNGER, locking   |
| 27       | 050267                               | 1           | 1 [         | WASHER, locking plunger sleeve (copper)  |
| 28       | 076846                               | 1           | 1           | SLEEVE, locking plunger  |
| 29       | 080166<br>916897                     | 1<br>2      | 1 [<br>2    | BOOT, locking plunger<br>CLAMP, hose, l''I.D.  |
| 30       | 076847                               | 1           | 1           | NUT, locking plunger   |
| 31       | 050253                               | 1           | 1           | END, locking plunger   |
| 32       | 085859<br>911041                     | 1 2         | 1 2         | ROD, locking plunger<br>NUT, 3/8"NF  |
| 33       | 078810<br>900942                     | 1<br>1      | 1           | PIN, plunger rod yoke<br>PIN, cotter, 3/32" x 5/8"                                       |
| 34       | 035910                               | 1           | 1           | SPRING, locking plunger rod  |
| 35       | 050265<br>910244<br>910967           | 1<br>1<br>1 | 1<br>1<br>1 | SWIVEL, locking plunger rod<br>WASHER, plain, SAE std., 1/2"<br>PIN, cotter, 1/8" x 7/8" |
| 36<br>37 | 050566<br>035068<br>904208<br>911043 | 1<br>1<br>1 | 1<br>1<br>1 | LEVER, shift lock CAPSCREW, 1/2"NF x 2" LOCKWASHER, 1/2" NUT, 1/2"NF                     |

□Also see PACKAGED PARTS

155

-STEERING CLUTCH AND FINAL DRIVE HOUSING -

21

## STEERING CLUTCH AND FINAL DRIVE HOUSING

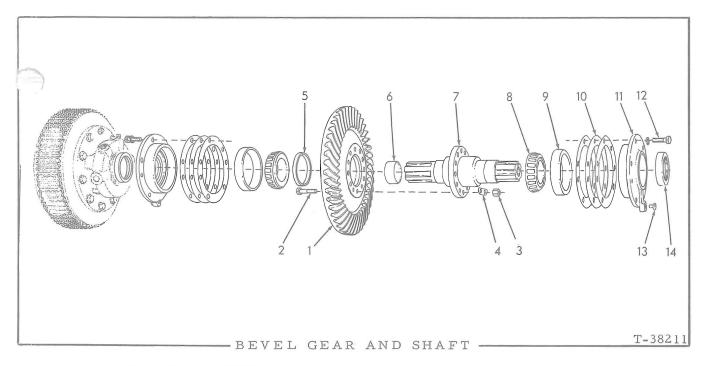
\* Original equipment \*\* Service replacement.

|                      |  | QTY.                    | ** Service replacement. |  |
|----------------------|--|-------------------------|-------------------------|--|
| M                    | PART NO.                                       | × :                     |                         | DESCRIPTION  |
| 1 <                  |  | 1                       | -                       | HOUSING ASSEMBLY (Order HOUSING ASSY. 647928, 1 each PLUG 035250, GASKET 035249, COVER 628195, COVER 628196, 2 GASKET 628241, 8 CAPSCREW 035718 and 8 LOCKWASHER 904208; if for tractors prior to #3491 also order 2 SEAL 034108 and 2 COVER 091325) |
|                      | 647928   | -                       | 1                       | HOUSING ASSEMBLY (Includes items 2 thru 5)   |
|                      | 904223<br>911081<br>912726                     | 4<br>2<br>2             | 4<br>2<br>2             | PLUG, pipe, ctsk-hd., 1/2"NPT<br>PLUG, pipe, slotted-hd., 1/4"NPT<br>PLUG, pipe, 3/4"NPT (clutch compartment drain)  |
| 2                    | 076726   | 2                       | 2                       | WICK ASSEMBLY, pivot shaft lubricating (Consists of 1 PIN and 1 WICK 050357. Also serves as dowel PIN for pivot shaft)   |
| 3                    | 050357   | 2                       | 2                       | WICK, pivot shaft lubricating (felt)   |
| 4<br>5               | 051858<br>037332<br>904209                     | 4<br>8<br>8             | 4<br>8<br>8             | CAP, truck frame pivot shaft CAPSCREW, 5/8"NC x 3" LOCKWASHER, 5/8"  |
| 6                    | 050312   | 2                       | -                       | GUARD, track sprocket, lower (Standard equipment prior to tractor #11094. See item 36)   |
| 7                    | 035190<br>904208                               | 8                       | ee .                    | CAPSCREW, 1/2"NC x 1-1/2"<br>LOCKWASHER, 1/2"  |
| 8                    | 035249   | 3                       | -                       | □GASKET, drain plug  |
| )                    | 035250   | 3                       | -                       | PLUG, drain, bevel gear and final drive compartment  |
| 10                   | 050368   | 2                       | -                       | ☐GASKET, final drive compartment bottom cover  |
| 11<br>12<br>13<br>14 | 049910<br>035190<br>012871<br>045253<br>904208 | 2<br>16<br>4<br>4<br>24 | 040                     | COVER, final drive compartment, bottom  CAPSCREW, 1/2"NC x 1-1/2"  CAPSCREW, 1/2"NC x 2-3/4"  CAPSCREW, 1/2"NC x 3-3/4"  LOCKWASHER, 1/2"  |
| 15                   | 050786   | 2                       | -                       | GASKET, final drive compartment front cover  |
| 16<br>17             | 050785<br>035439<br>904206                     | 2<br>12<br>12           | -                       | COVER, final drive compartment, front CAPSCREW, 3/8"NC x 1" LOCKWASHER, 3/8"   |
| 18                   | 066566   | 2                       | -                       | GASKET, steering clutch compartment covers   |
| 10                   | 628241   | -                       | 2                       | GASKET, steering clutch compartment covers   |
| 19                   | 051403   | 1                       | -                       | □GASKET, bevel gear compartment top cover  |
| 20                   | 081335   | 1                       | -                       | COVER, left steering clutch compartment  |
|                      | 628195   | -                       | 1                       | COVER, left steering clutch compartment  |
| 21                   | 035439<br>904206<br>035718<br>904208           | 9                       |                         | CAPSCREW, 3/8"NC x 1" LOCKWASHER, 3/8" CAPSCREW, 1/2"NC x 3/4" LOCKWASHER, 1/2"  DAlso see PACKAGED PARTS  |

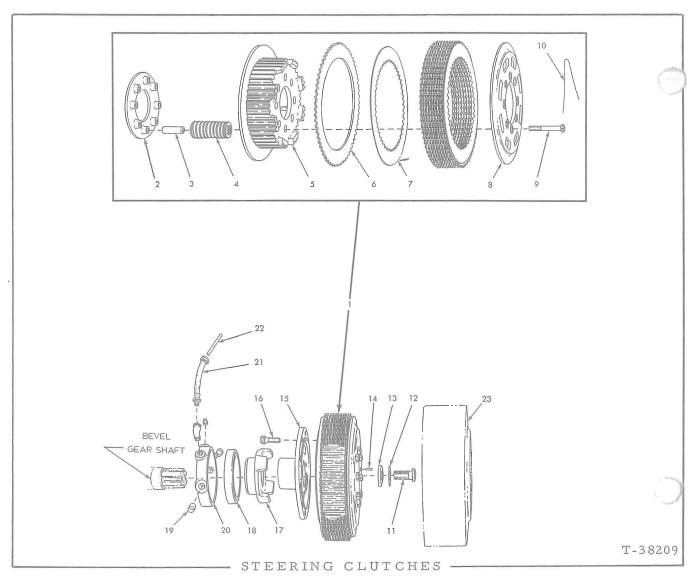
# STEERING CLUTCH AND FINAL DRIVE HOUSING (Continued)

|          | 2  | QT       | Y.  |  |  |  |  |  |  |  |
|----------|--|----------|-----|--|--|--|--|--|--|--|
| ITEM     | PART NO.   | *        | **  | DESCRIPTION  |  |  |  |  |  |  |
| 22       | 051408   | 1        | -   | COVER, bevel gear compartment, top   |  |  |  |  |  |  |
| 23       | 035439<br>904206   | 10<br>10 | -   | CAPSCREW, 3/8"NC x 1" LOCKWASHER, 3/8"   |  |  |  |  |  |  |
|          | ( 081336   | 1        | _   | COVER, right steering clutch compartment   |  |  |  |  |  |  |
| 24       | 081336<br>628196   | _        | 1   | COVER, right steering clutch compartment   |  |  |  |  |  |  |
|          |  | 0        | 7   |  |  |  |  |  |  |  |
| 25       | 904206   | 9        | 7   | CAPSCREW, 3/8"NC x 1" LOCKWASHER, 3/8"   |  |  |  |  |  |  |
| 25       | $ \begin{pmatrix} 035439 \\ 904206 \\ 035718 \\ 904208 \end{pmatrix} $ | -        | 4   | CAPSCREW, 1/2"NC x 3/4"<br>LOCKWASHER, 1/2"  |  |  |  |  |  |  |
|          |  |          | 4   | LOCKWASHER, 1/2"   |  |  |  |  |  |  |
| 26<br>27 | 051308<br>035244   | 2<br>4   | _   | COVER, brake band adjusting nut CAPSCREW, 3/8"NC x 3/4"                            |  |  |  |  |  |  |
| 41       | 904206   | 4        | -   | LOCKWASHER, 3/8"   |  |  |  |  |  |  |
| 28       | 066594   | 2        | -   | GASKET, brake band adjusting nut cover   |  |  |  |  |  |  |
| 29       | 051447   | 2        | -   | BREATHER ASSEMBLY, final drive compartment ( 1 nipple, 1 filter,                   |  |  |  |  |  |  |
|          | 907059   | 2        |     | l cap, l cotter pin. Serviced only as a unit)<br>ELBOW, street, 90°, 1/8"NPT       |  |  |  |  |  |  |
| 30       | 050369   | 1        | _   | GASKET, bevel gear compartment rear cover  |  |  |  |  |  |  |
| 31       | 050370   | 1        | _   | COVER, bevel gear compartment, rear  |  |  |  |  |  |  |
| 32       | 035440   | 4        | -   | CAPSCREW, 5/8"NC x 1-1/2"  |  |  |  |  |  |  |
|          | 904209   | 4        | -   | LOCKWASHER, 5/8"   |  |  |  |  |  |  |
| 33       | 051496   | 2        | -   | PLUG, thread protecting (5/8"NC)   |  |  |  |  |  |  |
| 34       | 038454   | 2        | -   | PLUG, thread protecting (1"NC)   |  |  |  |  |  |  |
| 35       | 040181   | 6        | -   | PLUG, thread protecting (7/8"NC)   |  |  |  |  |  |  |
| 26       | 630655   | 1        | -   | GUARD, track sprocket, left \ Heavy-duty type. Stand-                              |  |  |  |  |  |  |
| 30       | 630656   | 1        | -   | GUARD, track sprocket, right ard equipment. Effective with tractor #11094.         |  |  |  |  |  |  |
| 37       | 035190   | 8        | -   | CAPSCREW, 1/2"NC x 1-1/2"  |  |  |  |  |  |  |
| 2.0      | 904208   | 8        | -   | LOCKWASHER, 1/2"   |  |  |  |  |  |  |
| 38       | 035073<br>904208   | 4        | -   | CAPSCREW, 1/2"NF x 1-1/4" LOCKWASHER, 1/2"   |  |  |  |  |  |  |
|          | 911043   | , 4      | _   | NUT, 1/2"NF  |  |  |  |  |  |  |
|          | ( 097915   | 1        |     | PLATE, guard attaching, left   |  |  |  |  |  |  |
| 39       | 097916   | 1        |     | PLATE, guard attaching, right #11094.  |  |  |  |  |  |  |
|          |  | 1        | -   |  |  |  |  |  |  |  |
|          | 070792<br>904369   | 2        | -   | CAPSCREW, 3/4"NC x 2-1/2" Also attach draw-<br>LOCKWASHER, 3/4" bar plate bracket. |  |  |  |  |  |  |
| 4.0      | 035067   | 2        |     | CAPSCREW, 1/2"NF x 2"  |  |  |  |  |  |  |
| 40       | 064531   | 2        | -   | WASHER, plain For tractors equipped  |  |  |  |  |  |  |
|          | 904208   | 2        | 449 | LOCKWASHER, 1/2" (with TR-6 Ripper.  |  |  |  |  |  |  |
|          | 911043   | 4        | *** | NUT, 1/2"NF  |  |  |  |  |  |  |

□Also see PACKAGED PARTS



| ITEM             | PART NO.                             | QTY.                  | DESCRIPTION   |
|------------------|--------------------------------------|-----------------------|---|
| 1<br>2<br>3<br>4 | 057414<br>030547<br>038234<br>035065 | 1<br>12<br>12<br>6    | GEAR, bevel, steering clutch shaft (44 teeth) CAPSCREW (1/2"NF x 2") NUT, high, 1/2"NF LOCK, nut      |
| 5                | 050234                               | 1                     | COLLAR, locking, bevel gear attaching bolts   |
| 1                | 050231                               | 2                     | SLEEVE, bevel gear shaft  |
| 7                | 064530                               | 1                     | SHAFT ASSEMBLY, bevel gear (Includes item 6)  |
| 8                | 050445                               | 2                     | CONE ASSEMBLY, bevel gear shaft bearing   |
| 9                | 050444                               | 2                     | CUP, bevel gear shaft bearing   |
|                  | 050228                               | 12                    | SHIM, adjusting, shaft bearing (.005" thick)  |
| 10 <             | 050229                               | 12                    | SHIM, adjusting, shaft bearing (.007" thick) Use as req'd.  |
|                  | 050230                               | 12                    | SHIM, adjusting, shaft bearing (.010" thick)  |
| 11<br>12         | 051292<br>095779<br>904208           | 2<br>1 <b>0</b><br>10 | RETAINER ASSEMBLY, shaft bearing (Includes item 13) CAPSCREW, Nylok, 1/2"NC x 1-1/2" LOCKWASHER, 1/2" |
| 13               | 051291                               | 2                     | PIN, wear, bevel gear shaft bearing retainer  |
| 14               | 628941                               | 2                     | SEAL, oil, bevel gear shaft   |



| ITEM    | PART NO.         | QTY.    | DESCRIPTION   |
|---------|------------------|---------|---|
| 1       | 050244           | 2       | CLUTCH ASSEMBLY, steering (Consists of items 2 thru 10)                     |
| 2       | 050214           | 2       | PLATE, throwout   |
| 3       | 045066           | 16      | SPACER, throwout plate  |
| 4       | 050236           | 16      | SPRING, pressure  |
| 5       | 060649           | 2       | HUB ASSEMBLY (Consists of 1 hub, 1 ring, 4 screws. Serviced only as a unit) |
| 6       | 044478           | 20      | DISC, friction (Raybestos)  |
| 7       | 624562           | 20      | DISC, friction (steel)(Use as req'd)  |
| 8       | 050218           | 2       | PLATE, pressure   |
| 9<br>10 | 049978<br>023633 | 16<br>8 | CAPSCREW, throwout plate WIRE, locking, 1/16" x 12"                         |
|         |                  |         |   |

## STEERING CLUTCHES

| ITEM     | PART NO.         | QTY.    | DESCRIPTION   |
|----------|------------------|---------|---|
|          | 630045           | 2       | CAPSCREW, hub retaining (1"NF $\times$ 1-3/4")                            |
| 12       | 627479           | 2       | WASHER, locking, hub retaining capscrew                                   |
| 13       | 637932           | 2       | WASHER ASSEMBLY, hub retaining (Includes item 14)                         |
| 14       | 035793           | 2       | PIN, clutch hub retaining washer (1/4" x 3/4")                            |
| 15<br>16 | 050215<br>650753 | 2<br>20 | HUB, steering clutch driving BOLT, self-locking, 1/2"NC x 1-3/4"          |
| 17       | 050223           | 2       | SLEEVE, steering clutch throwout  |
| 18       | 050440           | 2       | BEARING, ball, steering clutch throwout                                   |
| 19       | 050227           | 4       | BUSHING, pivot, throwout bearing (steel)                                  |
| 20       | 050249<br>901652 | 2<br>2  | CAGE ASSEMBLY, throwout bearing (Includes item 19) PLUG, pipe, 1/4"NPT    |
| 21       | 059260<br>901722 | 2<br>2  | HOSE, lubricating, throwout bearing (9" long) ELBOW, street, 90°, 1/4"NPT |
| 22       | 050233           | 2       | WICK, lubricating, throwout bearing hose                                  |
| 23       |                  | em.     | DRUM, brake (See FINAL DRIVE PINION SHAFT)                                |

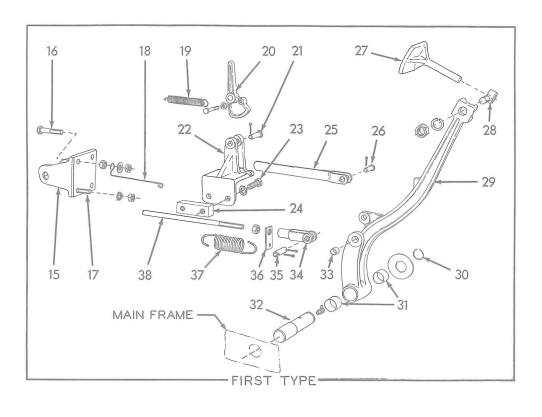
### STEERING CLUTCH THROWOUT

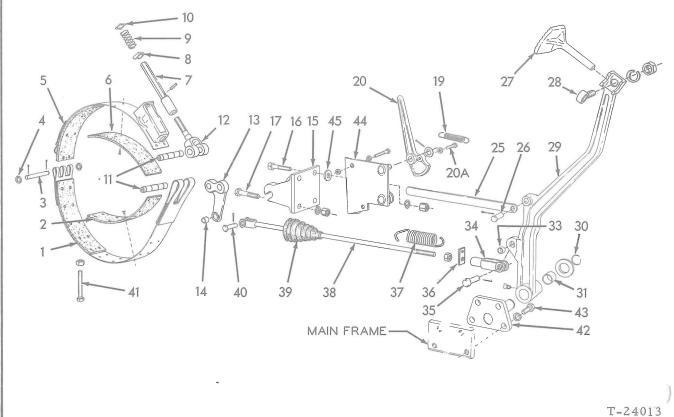
\* Used prior to tractor serial No. 11094. \*\* Effective with tractor serial No. 11094.

|          |                                      | ОТ               | TY.     | The Effective with tractor serial No. 11094.  |
|----------|--------------------------------------|------------------|---------|---|
| I7 F     | PART NO.                             |                  | **      | DESCRIPTION   |
| 1        | 078620                               | 2                | 2       | GRIP, operating lever   |
| 35       | 088637                               | 1                | -       | LEVER ASSEMBLY, operating, left clutch (Includes item 11)   |
| 2        | 098119                               | -                | 1       | LEVER ASSEMBLY, operating, left clutch (Includes item 11)   |
|          | 088638                               | 1                | -       | LEVER ASSEMBLY, operating, right clutch (Includes item 11)  |
| 3        | 098120                               | -                | 1       | LEVER ASSEMBLY, operating, right clutch (Includes item 11)  |
| 4        | 051513                               | 4                | 4       | BEARING, needle, operating lever  |
| 5        | 053926                               | 2                | 2       | SEAL, dust, operating lever   |
| 6        | 049994                               | 1                | 1       | SHAFT, pivot, operating levers  |
| 7 {      | 050287                               | 1                | -       | BRACKET ASSEMBLY, operating lever (Includes item 6)   |
| , /      | 097509                               | -                | 1       | BRACKET ASSEMBLY, operating lever (Includes item 6)   |
|          | 031990<br>904209                     | 2                | 2 2     | CAPSCREW, 5/8"NC x 2-1/2"<br>LOCKWASHER, 5/8"   |
|          | 031854<br>900942                     | 2 2              | 2<br>2  | PIN, retaining, operating lever PIN, cotter, 3/32" x 5/8"   |
| 10       | 064942                               | 2                | 2       | COVER, operating lever  |
| )        | 049988                               | 2                | 2       | BUSHING, operating lever (steel)  |
|          | 049993<br>900806                     | 4<br>4           | 4<br>4  | PIN, control rod yoke<br>PIN, cotter, 1/8" x 1"   |
| 13       | 069684                               | 2                | -       | YOKE, throwout rod  |
|          | 069673<br>911043                     | 2                | -       | ROD, control<br>NUT, 1/2"NF   |
| 15       | 050309                               | 2                | 2       | LEVER ASSEMBLY, intermediate, upper (Includes item 17)  |
| 16       | 035068                               | 2                | 2       | CAPSCREW, 1/2"NF x 2-1/4"   |
|          | 904208<br>911043                     | 2                | 2       | LOCKWASHER, 1/2" NUT, 1/2"NF  |
| 17       | 049988                               | 2                | 2       | BUSHING, intermediate upper lever (steel)   |
| 18       | 050311                               | 2                | 2       | SHAFT, intermediate lever   |
| 19       | 050289                               | 2                | 2       | CAGE, intermediate shaft bearing  |
| 20       | 035061<br>904208                     | 6                | 6       | CAPSCREW, 1/2"NC x 1-1/4"<br>LOCKWASHER, 1/2"   |
| 21       | 053927                               | 4                | 4       | SEAL, dust, intermediate lever shaft  |
| 22       | 050442                               | 4                | 4       | BEARING, needle, intermediate lever shaft   |
| 23<br>24 | 050310<br>035068<br>904208<br>911043 | 2<br>2<br>2<br>2 | 2 2 2 2 | LEVER ASSEMBLY, intermediate, lower (Includes item 25) CAPSCREW, 1/2"NF x 2-1/4" LOCKWASHER, 1/2" NUT, 1/2"NF |
|          |                                      |                  |         | (Continued)   |

## STEERING CLUTCH THROWOUT (Continued)

| ITEM     | PART NO.                   | Q'<br>*     | ΓΥ.<br>**   | DESCRIPTION  |
|----------|----------------------------|-------------|-------------|--|
| 25       | 050308                     | 2           | 2           | BUSHING, intermediate lower lever (steel)                                  |
| 26       | 035878                     | 2           | 2           | BALL, throwout yoke  |
| 27       | 050248                     | 2           | 2           | YOKE ASSEMBLY, throwout (Includes items 26 and 31)                         |
| 28<br>29 | 050221<br>047478<br>904204 | 4<br>4<br>4 | 4<br>4<br>4 | BLOCK, trunnion pin locking<br>CAPSCREW, 1/4"NC x 5/8"<br>LOCKWASHER, 1/4" |
| 30       | 050222                     | 4           | 4           | PIN, trunnion  |
| 31       | 050220                     | 2           | 2           | PIN, wear, throwout yoke   |
| 22       | 095987                     | -           | 1           | ROD, control, left clutch  |
| 34 \     | 095988                     | -           | 1           | ROD, control, right clutch   |
| 33       | 053005                     | -           | 2           | NUT, 1/2"NF, left hand threads   |
| 34       | 052601                     | -           | 2           | NUT, rod adjustment  |
| 35       | 070678<br>911043           | ***         | 2           | ROD, control (short)<br>NUT, 1/2"NF  |
| 36       | 043881                     | een.        | 2           | SPRING, operating rod  |
| 37       | 631925                     |             | 2           | SCREW, operating rod spring  |





#### BRAKES

\* Used prior to tractor serial No. 11094 \*\* Effective with tractor serial No. 11094

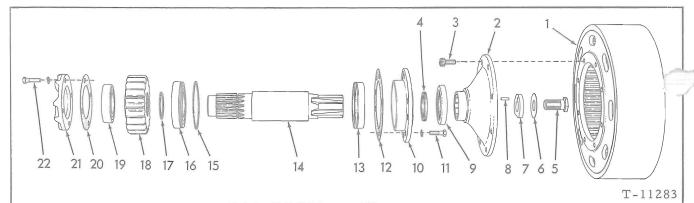
```
QTY.
      PART NO.
                     **
                           DESCRIPTION
                   2
                           BAND ASSEMBLY, lower half (Includes lining)
 1
        622820
                       2
 2
                   4
                       4
                           LINING, lower band (Order item 46)
                     36
                               RIVET, tubular, brass, flat-hd., 3/16" x 3/8"
        911097
                  36
        911098
                               RIVET, tubular, brass, flat-hd., 3/16" x 9/16"
                   4
                       4
        050325
 3
                   2
                       2
                           PIN, band hinge
                               PIN, cotter, 1/8" x 7/8"
        910967
                   4
                       4
        058614
                           WASHER, band hinge pin
 4
                   4
                       4
 5
        622823
                   2
                       2
                           BAND ASSEMBLY, upper half (Includes lining)
 6
                   4
                           LINING, upper band (Order item 46)
                       4
                               RIVET, tubular, brass, flat-hd., 3/16" x 3/8" RIVET, tubular, brass, flat-hd., 3/16" x 9/16"
        911097
                  28
                      28
        911098
                   4
                       4
                           ADJUSTER, brake band (6-7/16" long)(Used prior to tractor #5610.
                   2
                              Order ADJUSTER 090960 and BLOCK 090958)
        090960
                           ADJUSTER, brake band (6-7/8" long) (Effective with tractor #5610)
                               PIN, roll, 1/4" x 1"
        916227
                   2
                       2
                   2
                           BLOCK, adjuster spring (17/32" thick) (Used prior to tractor #5610.
                              Order BLOCK 090958 and ADJUSTER 090960)
 8
        090958
                           BLOCK, adjuster spring (5/16" thick) (Effective with tractor #5610)
                   2
                       2
        079203
                           SPRING, adjuster
                   2
                       2
10
        079229
                   2
                       2
                           WASHER, adjuster spring
11
        092787
                   4
                       4
                           PIN, band end
12
        050328
                   2
                       2
                           FORK, band adjustment
13
                   2
                           BELLCRANK ASSEMBLY (Includes item 14)
        050323
                       2
        049988
14
                   2
                       2
                           BUSHING, ballcrank (steel)
15
        622754
                   2
                       2
                           BRACKET, bellcrank
                               CAPSCREW, 1/2"NF x 2-1/2"
16
        035892
                   2
                       4
                               CAPSCREW, 1/2"NF x 2-1/4"
17
        035068
                   6
                       4
        904208
                       8
                               LOCKWASHER, 1/2"
                   6
        911043
                   8
                       8
                               NUT, 1/2"NF
18
        089224
                   2
                           CLIP, parking brake lock spring
                   2
        913830
                               NUT, jam, 1/2"NF
                   2
                               WASHER, plain, SAE std., 1/2"
        910244
                   2
        072438
                           SPRING, parking brake lock
        605603
                       2
                           SPRING, parking brake lock
```

#### BRAKES

```
QTY.
ITEM PART NO.
                       水水
                            DESCRIPTION
                     2
         050316
                             LOCK, parking brake
                                 CAPSCREW, 5/16"NC x 2"
         903774
                     2
         906652
                     2
                                 NUT, jam, 5/16"NC
 20
         084548
                         2
                             LOCK, parking brake
 20A
         046321
                         2
                                 CAPSCREW, 5/16"NC x 1-1/2"
                                 NUT, jam, 5/16"NC
         906652
                         2
 21
         033074
                     2
                             PIN, parking brake lock
         910967
                     2
                                 PIN, cotter, 1/8" x 7/8"
                             BRACKET, parking brake lock
                     2
 22
         085787
 23
         035018
                     4
                                 CAPSCREW, 1/2"NF x 1-1/2"
         904208
                     4
                                 LOCKWASHER, 1/2"
 24
         087997
                     2
                             BLOCK, tapped
         051288
                     2
                             BAR, locking, parking brake
 25
         097765
                         2
                             BAR, locking, parking brake
 26
         049993
                     2
                         2
                             PIN, parking brake locking bar
                         2
         910967
                     2
                                 PIN, cotter, 1/8" x 7/8"
         050434
                     2
 27
                         2
                             PAD, pedal
 28
                     2
         050433
                         2
                             BOLT, eye, pedal pad
                                 NUT, 5/8"NF
         911044
                     2
                         2
         904209
                     2
                         2
                                 LOCKWASHER, 5/8"
         621385
                     1
                             PEDAL ASSEMBLY, left brake (Includes items 31 and 33)
                             PEDAL ASSEMBLY, left brake (Includes items 31 and 33) FITTING, lubricating, 90^{\circ}, 1/8"NPT
         097677
         915276
                         1
 29
                             PEDAL ASSEMBLY, right brake (Includes items 31 and 33)
         621386
                     1
                             PEDAL ASSEMBLY, right brake (Includes items 31 and 33)
          097678
                         1
                                 FITTING, lubricating, 90°, 1/8"NPT
          915276
                         1
 30
         054182
                     2
                         2
                             RING, snap, pedal shaft
 31
         034514
                     4
                         4
                             BUSHING, pedal (bronze)
                             SHAFT, pedal
 32
         085762
                     2
                                 WASHER, plain, SAE std., 1"
FITTING, lubricating, 90°, 1/8"NPT
          911159
                     2
                     2
          915276
 33
                         2
                             BUSHING, pedal (steel)
         049988
                     2
 34
         068389
                     2
                         2
                             YOKE, operating rod
         088389
                     2
                             PIN, brake operating rod yoke
 35
          049993
                         2
                             PIN, brake operating rod yoke
                                  PIN, cotter, 1/8" x 7/8"
                         2
          910967
                     4
 36
                     2
                         2
                             CLIP, pedal spring
          638558
 37
          638567
                     2
                             SPRING, pedal retracting
```

# BRAKES (Continued)

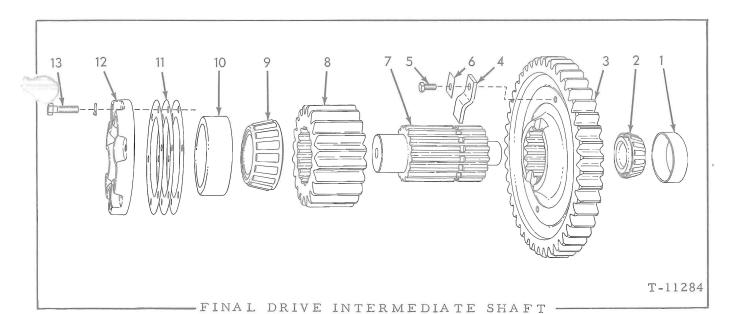
| ITEM     | F | ART NO.                              | QT<br>* |                  | DESCRIPTION  |
|----------|---|--------------------------------------|---------|------------------|--|
|          | 5 | 085779<br>097741                     | 2       | ***              | ROD, brake operating (20-13/16" long)  |
| ,6       |   | 097741                               | -       | 2                | ROD, brake operating (12-7/8" long)  |
|          |   | 911043                               | 2       | 2                | NUT, 1/2"NF  |
| 39       |   | 078908                               | 2       | 2                | BOOT, brake operating rod (rubber)   |
| 40       |   | 049993<br>910967                     | 2<br>2  | 2                | PIN, brake operating rod<br>PIN, cotter, 1/8" x 7/8"   |
| 41       |   | 050268<br>911028                     | 2       | 2                | SCREW, band supporting (hex-hd., 1/2"NC x 3-1/4") NUT, 1/2"NC  |
| 42<br>43 |   | 097566<br>911159<br>035018<br>904208 |         | 2<br>2<br>8<br>8 |  |
| 4.4      | 5 | 098237                               | -       | 1                | BRACKET, parking brake lock, left side   |
| 44       | 1 | 098238                               |         | 1                | BRACKET, parking brake lock, right side  |
|          |   | 910235<br>913636<br>910244<br>910967 |         | 2<br>4<br>2<br>2 | CAPSCREW, 5/16"NF x 2-1/4" (spring anchor) NUT, 5/16"NF WASHER, plain, SAE std., 1/2" PIN, cotter, 1/8" x 7/8" |
| 45       |   | 099376                               | -       | 4                | WASHER, spacing, parking brake lock bracket  |
| \$6      |   | 076552                               | 2       | 2                | LINING KIT, brake band (Includes linings and attaching rivets for one(1) side only)                            |



|      | - |    | -27204 |       |    |      |
|------|---|----|--------|-------|----|------|
| FINA | L | DR | IVE    | PINIO | NS | HAFT |

| ITEM     | PART NO.                   | QTY.        | DESCRIPTION  |
|----------|----------------------------|-------------|--|
| 1        | 647868                     | 2           | DRUM, brake  |
| 2 3      | 049937<br>650855           | 2<br>16     | HUB, brake drum BOLT, self-locking, 1/2"NC x 1"                              |
| 4        | 050264                     | 2           | SEAL, oil (neoprene)   |
| 5        | 630045                     | 2           | CAPSCREW, hub retaining (1"NF x 1-3/4")                                      |
| 6        | 627479                     | 2           | WASHER, locking, hub retaining capscrew                                      |
| 7        | 637932                     | 2           | WASHER ASSEMBLY, hub retaining (Includes item 8)                             |
| 8        | 035793                     | 2           | PIN, hub retaining washer  |
| 9        | 053670                     | 2           | SEAL, oil  |
| 10       | 629675                     | 2           | CAGE, inner bearing (If for first replacement also order GASKET              |
| 11       | 922211<br>904206           | 12<br>12    | 629672) CAPSCREW, Nylok, 3/8"NC x 1-1/4" LOCKWASHER, 3/8"                    |
|          | 051245                     | 2           | ☐ GASKET, inner bearing cage (Original equipment. Not used with CAGE 629675) |
| 12       | 629672                     | 2           | GASKET, inner bearing cage (Used with service replacement CAGE 629675 only)  |
| 13       | 063912                     | 2           | BEARING, roller, inner   |
| 14       | 049945                     | 2           | SHAFT  |
| 15       | 040831                     | 2           | RING, snap, intermediate bearing   |
| 16       | 063912                     | 2           | BEARING, roller, intermediate  |
| 17       | 049899                     | 2           | RING, snap, pinion shaft   |
| 18       | 049881                     | 2           | PINION (20 teeth)  |
| 19       | 050273                     | 2           | BEARING, roller, outer   |
| 20       | 049903                     | 2           | ☐ GASKET, outer bearing cover  |
| 21<br>22 | 049818<br>013058<br>904206 | 2<br>8<br>8 | COVER, outer bearing CAPSCREW, 3/8"NC x 1-1/4" LOCKWASHER, 3/8"              |

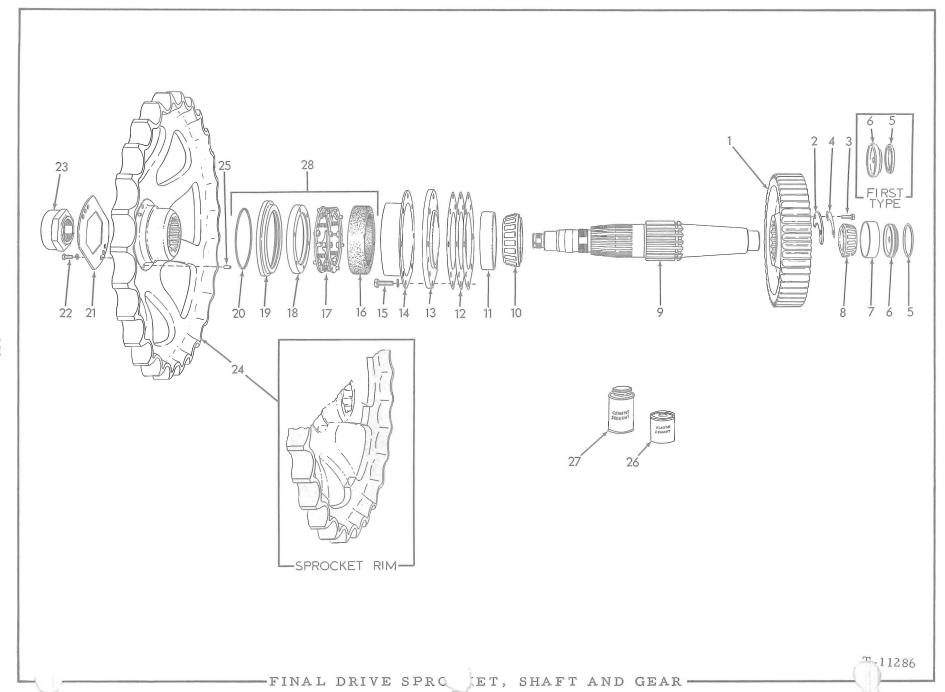
 $\square$  Also see PACKAGED PARTS



\* Standard

\*\* Optional. Used to reduce final drive loads and to increase tractor speed from 5.5 MPH to 5.8 MPH

|        |     |                            |               | TY.           | tractor speed from 5.5 MPH to 5.8 MPH   |  |  |  |
|--------|-----|----------------------------|---------------|---------------|---|--|--|--|
| ITEM   | I F | PART NO.                   | *             | **            | DESCRIPTION   |  |  |  |
| 1      |     | 050275                     | 2             | 2             | CUP, inner bearing  |  |  |  |
| 2      |     | 064200                     | 2             | 2             | CONE ASSEMBLY, inner bearing  |  |  |  |
| 2      | 5   | 068501                     | 2             | -             | GEAR (44 teeth)   |  |  |  |
| )      | 1   | 628824                     | cm            | 2             | GEAR (44 teeth)   |  |  |  |
| 1      | 5   | 049829                     | 4             | -             | LOCK, gear retaining  |  |  |  |
| 4      | (   | 628815                     | ***           | 4             | LOCK, gear retaining  |  |  |  |
| 5<br>6 |     | 035244<br>049936           | 4<br>4        | 4<br>4        | CAPSCREW, 3/8"NC x 3/4" LOCK, capscrew  |  |  |  |
| 7      | 5   | 051246                     | 2             | -             | SHAFT   |  |  |  |
| 1      | (   | 630778                     | ~             | 2             | SHAFT   |  |  |  |
| 0      | 5   | 049886                     | 2             | -             | PINION (20 teeth)   |  |  |  |
| 0      | (   | 628107                     | -             | 2             | PINION (19 teeth)(Requires use of 46-tooth sprocket shaft gear. See page 173) |  |  |  |
| 9      |     | 051438                     | 2             | 2             | CONE ASSEMBLY, outer bearing  |  |  |  |
| 10     |     | 051347                     | 2             | 2             | CUP, outer bearing  |  |  |  |
|        |     | 051450                     | 4             | 4             | SHIM, bearing adjustment (.005" thick)  |  |  |  |
| 11     | {   | 051448                     | 4             | 4             | SHIM, bearing adjustment (.007" thick) Use as req'd.                          |  |  |  |
|        |     | 051449                     | 10            | 10            | SHIM, bearing adjustment (.010" thick)  |  |  |  |
| 12     |     | 051243<br>013058<br>904206 | 2<br>12<br>12 | 2<br>12<br>12 | COVER, outer bearing CAPSCREW, 3/8"NC x 1-1/4" LOCKWASHER, 3/8"               |  |  |  |



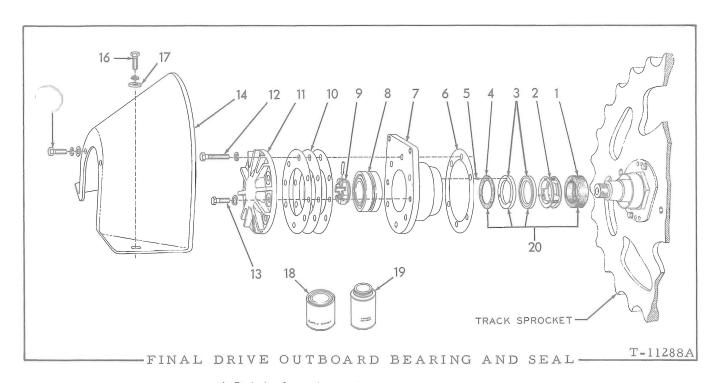
## FINAL DRIVE SPROCKET, SHAFT AND GEAR

\* Used prior to tractor serial No. 8906
\*\* Effective with tractor serial No. 8906

|             |                            | OFFI                  | ** Effective with tractor serial No. 8906   |
|-------------|----------------------------|-----------------------|---|
| 1, )        | PART NO.                   | QTY.<br>* **          | DESCRIPTION   |
| 1           | 051400                     | 2 2                   | GEAR (51 teeth)(Original equipment)   |
| 1           | 628108                     | 2 2                   | GEAR (46 teeth)(Special. Used only with 19-tooth pinion. See page 171)  |
| 2<br>3<br>4 | 051395<br>036034<br>051396 | 2 2<br>4 4<br>2 2     | LOCK, gear retaining CAPSCREW, 3/8"NF x 1" LOCK, capscrew   |
| -           | 051238                     | 2 -                   | SEAL, shaft end cover (1/4" thick)(Used prior to tractor #3491)   |
| 5           | 034108                     | 2 2                   | RING, sealing, shaft end cover (1/8" thick)(Effective with tractor #3491)   |
| 7           | 049834                     | 2 -                   | COVER, shaft end, inner (Used prior to tractor #3491)   |
| 0           | 091325                     | 2 2                   | COVER, shaft end, inner (Effective with tractor #3491)  |
| 7           | 210740                     | 2 2                   | CUP, inner bearing  |
| 8           | 043491                     | 2 2                   | CONE ASSEMBLY, inner bearing  |
| 0           | 080954                     | 2 2                   | SHAFT, track sprocket (6 splines)(Original equipment)   |
| 9           | 621238                     | 2 2                   | SHAFT, track sprocket (20 splines)(Service replacement only)  |
| )           | 050278                     | 2 2                   | CONE ASSEMBLY, intermediate bearing (3-1/4"I.D.)(Original equipment)  |
|             | 054246                     | 2 2                   | CONE ASSEMBLY, intermediate bearing (3-3/8"I.D.)(Service replacement. Use with 20 spline shaft only)                          |
| 11          | 050276                     | 2 2                   | CUP, intermediate bearing   |
|             | 051240                     | 4 4                   | SHIM, bearing adjustment (.005" thick. Use as req'd)  |
| 12          | 051241                     | 4 4                   | SHIM, bearing adjustment (.007" thick. Use as req'd)  |
|             | 051242                     | 16 16                 | SHIM, bearing adjustment (.010" thick. Use as req'd)  |
| 13          | 051244                     | 2 2                   | RETAINER, intermediate bearing  |
| 14<br>15    | 049851<br>035190<br>904208 | 2 2<br>16 16<br>16 16 | GUARD, inner seal<br>CAPSCREW, 1/2"NC x 1-1/2"<br>LOCKWASHER, 1/2"  |
| 16          | 049826                     | 2 2                   | BOOT, inner seal  |
| 17          | 049825                     | 2 2                   | FOLLOWER ASSEMBLY, inner seal (Serviced only as a unit)   |
|             | 082883                     | 2 -                   | RING, inner seal (stationary, 5"I.D.)   |
| 18          | 096158                     | - 2                   | RING, inner seal (stationary, 5-3/16"I.D.)(Also required on prior tractors if equipped with 20-spline sprocket)  See  item 28 |
| 1.0         | 082859                     | 2 -                   | RING, inner seal (rotating, 6-13/16"O.D.)   |
| 19          | 096159                     | - 2                   | RING, inner seal (rotating, 7-1/2"O.D.)(Also required on prior tractors if equipped with 20-spline sprocket)                  |
|             |                            |                       | (Continued)   |

# FINAL DRIVE SPROCKET, SHAFT AND GEAR (Continued)

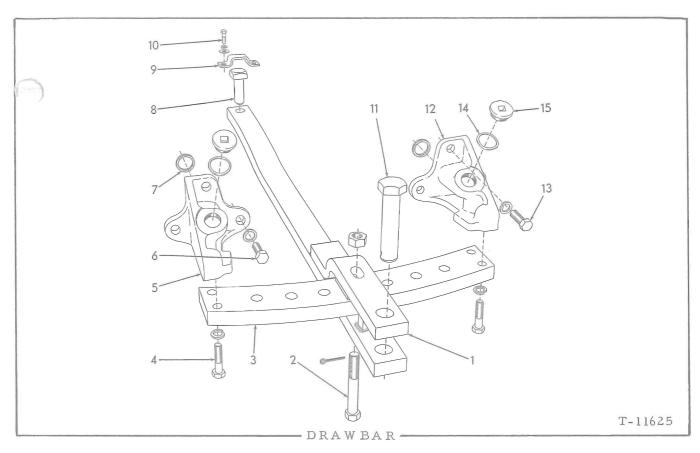
|      |   |                  | 0.5    |          |   |
|------|---|------------------|--------|----------|---|
| ITEM | F | PART NO.         |        | Y.<br>** | DESCRIPTION   |
| 0.0  |   | 053594           | 2      | -        | O-RING, seal ring (5-5/16"O.D.)   |
| 20   | ( | 923825           | -      | 2        | O-RING, seal ring (5-7/8"O.D.)(Also required on prior tractors if equipped with 20-spline sprocket)   |
|      |   | 049853           | 2      | -        | LOCK, sprocket retaining nut (3-3/4" hex. 6-3/8"O.D.)(Original equipment)   |
| 21   | { | 096155           |        | 2        | LOCK, sprocket retaining nut (3-3/4" hex. 7-3/4"O.D.)(Original equipment)   |
|      |   | 621243           | 2      | 2        | LOCK, sprocket retaining nut (4" hex)(Service replacement. Used with 20-spline sprocket only)   |
| 22   |   | 035439<br>904206 | 4<br>4 | 4<br>4   | CAPSCREW, 3/8"NC x 1" LOCKWASHER, 3/8"  |
| 2.2  | 5 | 081369           | 2      | 2        | NUT, sprocket retaining (Original equipment)  |
| 23   | ( | 621241           | 2      | 2        | NUT, sprocket retaining (Service replacement. Used with 20-spline sprocket only)  |
|      |   | 629590           | 2      | -        | SPROCKET ASSEMBLY, track (Includes item 25)(Standard. Has 5" diam. hub with 6 splines and wide tooth-base)(Original equipment)                |
|      |   | 096146           | -      | 2        | SPROCKET ASSEMBLY, track (Includes item 25)(Standard. Has 5-3/16" diam. hub with 6 splines and wide tooth-base)(Original equipment)           |
| 24 < |   | 622623           | 2      | 2        | SPROCKET ASSEMBLY, track (Includes item 25)(Service replace ment. Has 20 splines and wide tooth-base)   |
|      |   | 056188           | 2      | -        | SPROCKET ASSEMBLY, track (Includes item 25)(Special. Has 5" diam. hub with 6 splines and narrow tooth-base to minimize packing of track)      |
|      |   | 096167           | -      | 2        | SPROCKET ASSEMBLY, track (Includes item 25)(Special. Has 5-3/16" diam. hub with 6 splines and narrow tooth-base to minimize packing of track) |
|      |   | 629274           | 2      | 2        | SPROCKET ASSEMBLY, track (Includes item 25)(Service replacement. Has 20 splines and narrow tooth-base to minimize packing of track)           |
|      |   | 629269           | 2      | 2        | SPROCKET RIM, only (Standard type. Requires welding to install)   |
| 25   |   | 042930           | 6      | 6        | PIN, driving, inner seal ring   |
| 26   |   | 033288           | -      | -        | CEMENT, neoprene, 1/2 pt. can   |
| 27   |   | 054890           | nn.    |          | SOLVENT, neoprene cement, 1/2 pt. can seal boots  |
|      | 5 | 073762           | 2      | -        | SEAL KIT (Includes parts for one (1) side only; items 16 thru 20)   |
| 28   | 1 | 096278           | -      | 2        | SEAL KIT (Includes parts for one (1) side only; items 16 thru 20)   |



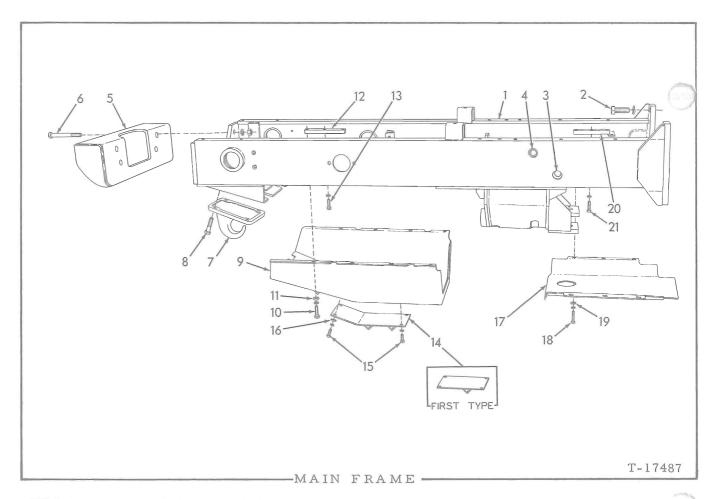
\* Original equipment \*\* Service replacement. Used with 20-spline track sprocket only QTY. ITEM PART NO. \* \*\* DESCRIPTION 049109 BOOT, seal 1 see item 20 051112 2 BOOT, seal 049111 SPRING ASSEMBLY, seal (Serviced only as a unit) 2 051121 SPRING ASSEMBLY, seal (Serviced only as a unit) 049110 RING, seal 051124 RING, seal See item 20 GASKET, seal ring 049836 2 051125 GASKET, seal ring 5 081194 STUD, locating, seal ring (Rivets to cage) 6 6 6 SHIM, outboard bearing cage (.015" thick. Use as req'd) 085726 12 12 085834 CAGE ASSEMBLY, outboard bearing (Includes item 5) CAGE ASSEMBLY, outboard bearing (Includes item 5) 621245 2 8 BEARING, roller (Each consists of 1 roller assembly 2 629354 and cups. Serviced only as a unit) 9 081242 2 2 NUT, retaining, outboard bearing PIN, roll, 1/4" x 3/4" 915513 085827 SHIM, bearing adjustment (.005" thick. Use as req'd) 4 4 SHIM, bearing adjustment (.007" thick. Use as req'd) 085829 4 4 SHIM, bearing adjustment (.010" thick. Use as req'd) 085828 10 10 (Continued)

## FINAL DRIVE OUTBOARD BEARING AND SEAL

|                |                                      | Q'          | ΓY.                |   |
|----------------|--------------------------------------|-------------|--------------------|---|
| ITEM           | PART NO.                             | 本           | **                 | DESCRIPTION   |
| 11<br>12<br>13 | 085831<br>035068<br>035525<br>904208 | 12<br>4     | 2<br>12<br>4<br>16 |   |
| 14<br>15       | 633559<br>070469<br>900818           | 2<br>4<br>4 | 4                  | GUARD, track sprocket CAPSCREW, 1/2"NF x 1-1/4" WASHER, plain, U. S. std., 1/2"   |
| 16             | 035073<br>904208                     | 4           |                    |   |
| 17             | 064531                               | 4           | 4                  | WASHER, plain   |
| 18             | 033288                               |             | -                  | CEMENT, neoprene, 1/2 pt. can  For cementing  |
| 19             | 054890                               | -           | -                  | SOLVENT, neoprene cement, 1/2 pt. can boots & gaskets   |
| 20             | 073763                               | 2           | -                  | SEAL KIT (Includes parts for one (1) side only; items 1 thru 4)  SEAL KIT (Includes parts for both sides; items 1, 3 and 4) |
|                | 088665                               | -           | 1                  | SEAL KIT (Includes parts for both sides; items 1, 3 and 4)  |



| ITEM     | PART NO.                             | QTY.             | DESCRIPTION   |
|----------|--------------------------------------|------------------|---|
| 4        | 086499                               | 1                | DRAWBAR   |
| 2        | 053787<br>911047<br>900814           | 1<br>1<br>1      | CAPSCREW, drawbar locking (drilled end, 1"NF x 6-1/2") NUT, 1"NF PIN, cotter, $1/4$ " x 1-1/2"  |
| 3<br>4   | 050390<br>070285<br>904369           | 1<br>4<br>4      | PLATE, drawbar supporting CAPSCREW, 3/4"NF x 3" LOCKWASHER, 3/4"                                |
| 5<br>6   | 050341<br>013238<br>904369           | I<br>2<br>2      | BRACKET, drawbar plate, left CAPSCREW, 3/4"NC x 2" LOCKWASHER, 3/4"                             |
| 7        | 050391                               | 2                | GASKET, drawbar plate bracket (cork)  |
| 8        | 086497                               | 1                | PIN, hinge  |
| 9<br>10  | 050447<br>070467<br>904208<br>910244 | I<br>2<br>2<br>2 | PLATE, hinge pin retaining CAPSCREW, 1/2"NF x 1" LOCKWASHER, 1/2" WASHER, plain, SAE std., 1/4" |
| 11       | 053746                               | 1                | PIN, drawbar coupling   |
| 12<br>13 | 050342<br>013238<br>904369           | 1<br>2<br>2      | BRACKET, drawbar plate, right CAPSCREW, 3/4"NC x 2" LOCKWASHER, 3/4"                            |
| 14       | 035249                               | 2                | GASKET, final drive filler hole plug  |
| 3        | 035250                               | 2                | PLUG, final drive filler hole   |

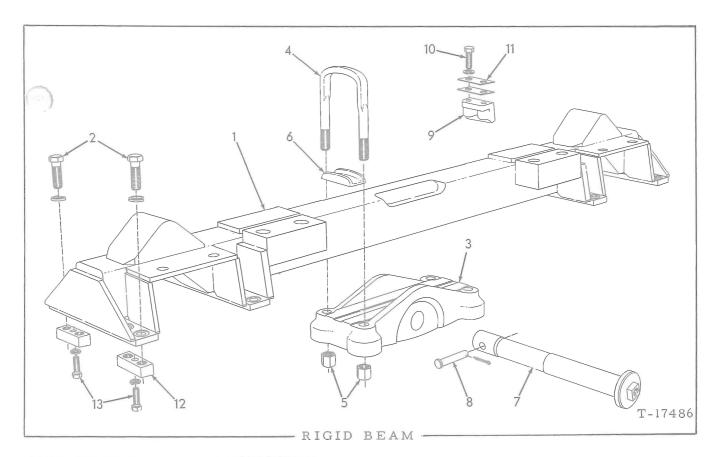


| ITEM   | P                 | ART NO.                              | QTY.             | DESCRIPTION   |
|--------|-------------------|--------------------------------------|------------------|---|
| 1      | {                 | 086449                               | I                | FRAME ASSEMBLY (Includes items 3 and 4) (Used prior to tractor #11094)  FRAME (Effective with tractor #11094) |
|        |                   | 098244                               | 1                | FRAME (Effective with tractor #11094)   |
| 2      |                   | 086755<br>910916                     | 6                | CAPSCREW, I"NC x 2-3/4"<br>LOCKWASHER, I"   |
| 3      |                   |                                      | 2                | SHAFT, brake pedal (See BRAKES)   |
| 4      |                   | that the last that this was          | I                | SHAFT, clutch lever (See ENGINE CLUTCH CONTROL)   |
| 5<br>6 |                   | 643764<br>075567<br>904369<br>911045 | 1<br>4<br>4<br>4 | BUMPER, front<br>CAPSCREW, 3/4"NF x 6-1/2"<br>LOCKWASHER, 3/4"<br>NUT, 3/4"NF                                 |
| 7<br>8 | $\left\{ \right.$ | 050543<br>012742<br>012767           | 1<br>4<br>4      | HOOK, front pull (Special equipment) CAPSCREW, 3/4"NF x 2-1/4" NUT, high, 3/4"NF                              |
| 9      |                   | 091811                               | I                | GUARD ASSEMBLY, engine crankcase (Includes items 14, 15 and 16)   |
|        |                   | 035068<br>904208                     | 8<br>8           | CAPSCREW, 1/2"NF x 2-1/4"<br>LOCKWASHER, 1/2"   |
| 11     |                   | 064531                               | 8                | WASHER, plain   |

## MAIN FRAME (Continued)

PACKAGE NUMBER

| ITEM | PART NO.   | QTY.        | DESCRIPTION   | NUMB |
|------|--|-------------|---|------|
|      | 088593<br>035073<br>904208                       | 4<br>4<br>4 | BLOCK, tapped, guard attaching CAPSCREW, 1/2"NF x 1-3/4" LOCKWASHER, 1/2"               |      |
| 7.4  | 085590   |             | PLATE, access, engine crankcase (Used prior to tractor #6584)                           |      |
| 14   | 091812   | 1           | PLATE, access, engine crankcase (Effective with tractor #6584)                          |      |
| 15   | 070469   | 4           | CAPSCREW, 1/2"NF x 1-1/4"   |      |
| 7 (  |  |             | LOCKWASHER, 1/2"  |      |
| 16   | 064531   | 2           | WASHER, plain   |      |
| 17   | 086599   | 1           | PLATE, closure  |      |
|      | $ \begin{cases} 0.35067 \\ 0.35068 \end{cases} $ | 4           | CAPSCREW, 1/2"NF x 2"  CAPSCREW, 1/2"NF x 2-1/4"  Used prior to tractor #11094.         | -    |
| 18   | 7 035068   | 2           | CAPSCREW, $1/2$ ''NF x 2-1/4'' J tor #11094.  |      |
|      | 035018   | 6           | CAPSCREW, 1/2"NF x 1-1/2" (Effective with tractor #11094)                               |      |
| 19   | 064531   | 6           | WASHER, plain   |      |
| - /  | 904208   | 6           | LOCKWASHER, 1/2"  |      |
|      | 911043   | 4           | NUT, 1/2"NF (Used prior to tractor #11094)  |      |
| 20   | 088594   | 1           | BLOCK, tapped, closure plate attaching (right side only) (Used prior to tractor #11094) |      |
| 21   | 035073   | 1           | CAPSCREW, 1/2"NF x 1-3/4"   |      |
|      | 904208   | 1           | LOCKWASHER, 1/2"  |      |

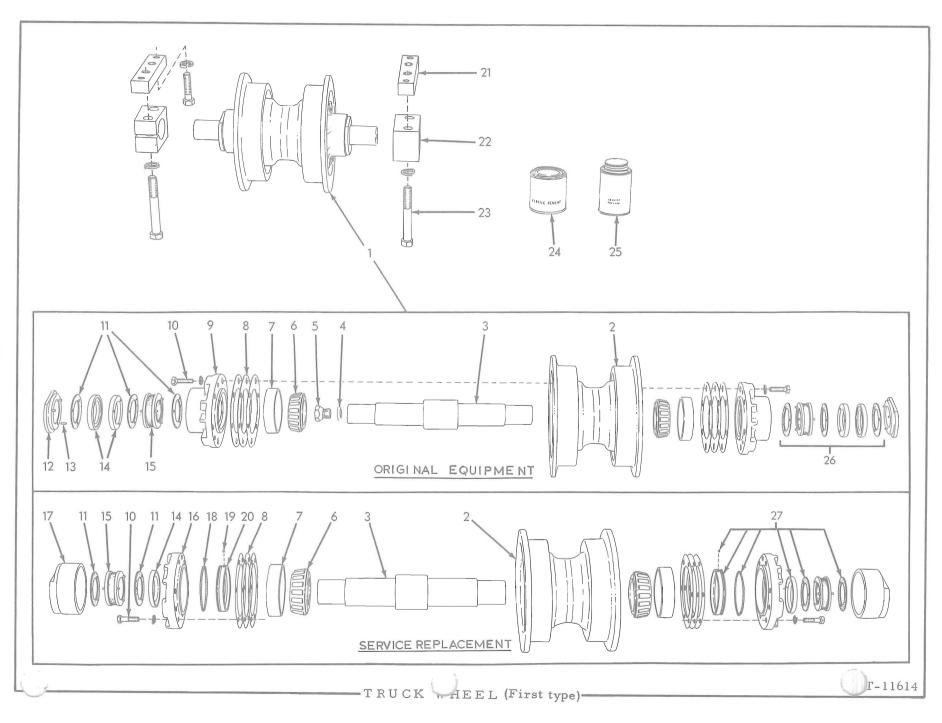


| ITEM     | PART NO.                   | QTY.        | DESCRIPTION  |
|----------|----------------------------|-------------|--|
| )2       | 629419<br>012742<br>904369 | 16          |  |
| 3        | 086871                     | 1           | SADDLE, rigid beam   |
| 4        | 085443                     | 2           | U-BOLT, beam saddle  |
| 5        | 070400                     | 4           | NUT, saddle U-bolt (high, 7/8"NF)  |
| 6        | 085444                     | 2           | SEAT, saddle U-bolt  |
| 7        | 639982                     | 1           | PIN, beam saddle   |
| 8        | 087061<br>900810           | 1           | PIN, saddle pin locking<br>PIN, cotter, 3/16" x 1-1/4"                             |
| 9<br>10  | 053408<br>036707<br>904209 | 2<br>4<br>4 | STOP, rigid beam CAPSCREW, 5/8"NC x 1-3/4" LOCKWASHER, 5/8"                        |
| 1.7      | 087147                     | 6           | SHIM, beam stop (1/32" thick. Use as req'd)  |
| 11       | 087070                     | 6           | SHIM, beam stop (1/16" thick. Use as req'd)  |
| 12<br>13 | 054968<br>035018<br>904208 | 8<br>8<br>8 | BLOCK, tapped, beam attaching capscrews CAPSCREW, 1/2"NF x 1-1/2" LOCKWASHER, 1/2" |

TRUCK FRAME \* Tractors prior to serial No. 11094 \*\* Tractors serial No. 11094 and up QTY. \* \*\* PART NO. DESCRIPTION FRAME ASSEMBLY, left side (Order FRAME ASSY. 099481 and 6 CAPSCREW 035278) FRAME ASSEMBLY, right side (Order FRAME ASSY, 099482 and 6 CAPSCREW 035278) FRAME ASSEMBLY, left side FRAME ASSEMBLY, right side NOTE: Each Frame Assembly includes items 4 thru 6 SHAFT, pivot PLUG, pipe, ctsk-hd., 1/4"NPT SEAL, pivot shaft BUSHING, pivot shaft CAP, sprocket shaft bearing CAPSCREW, 3/4"NF x 3-3/4" LOCKWASHER, 3/4" NUT, slide bar capscrew (high, 1/2"NF) BAR, slide, track idler, lower SHIM, adjusting, slide bar (Use as req'd) BAR, slide, track idler, upper CAPSCREW, slide bar (1/2"NF x 2-1/2") PIN, dowel, track idler slide bar BLOCK, tapped, guard attaching capscrews GUARD, outer, left truck frame GUARD, outer, right truck frame GUARD, outer, left truck frame GUARD, outer, right truck frame CAPSCREW, 1/2"NF x 2-1/4" CAPSCREW, 1/2"NF x 2-3/4" LOCKWASHER, 1/2" WASHER, plain GUARD, inner, left truck frame GUARD, inner, right truck frame GUARD, inner, left truck frame GUARD, inner, right truck frame CAPSCREW, 1/2"NF x 2-1/4" CAPSCREW, 1/2"NF x 2-3/4" LOCKWASHER, 1/2" WASHER, plain SPACER, guard bracing (Nct used with GUARDS 086905, 6, 7 and 8) CAPSCREW, 7/8"NF x 10-1/8" LOCKWASHER, 7/8" NUT, high, 7/8"NF NOTE: Items listed below are Special Equipment. GUARD, end, left hand GUARD, end, right hand CAPSCREW, end guard attaching (1/2"NF x 1-1/2") LOCKWASHER, 1/2"

NUT, 1/2"NF

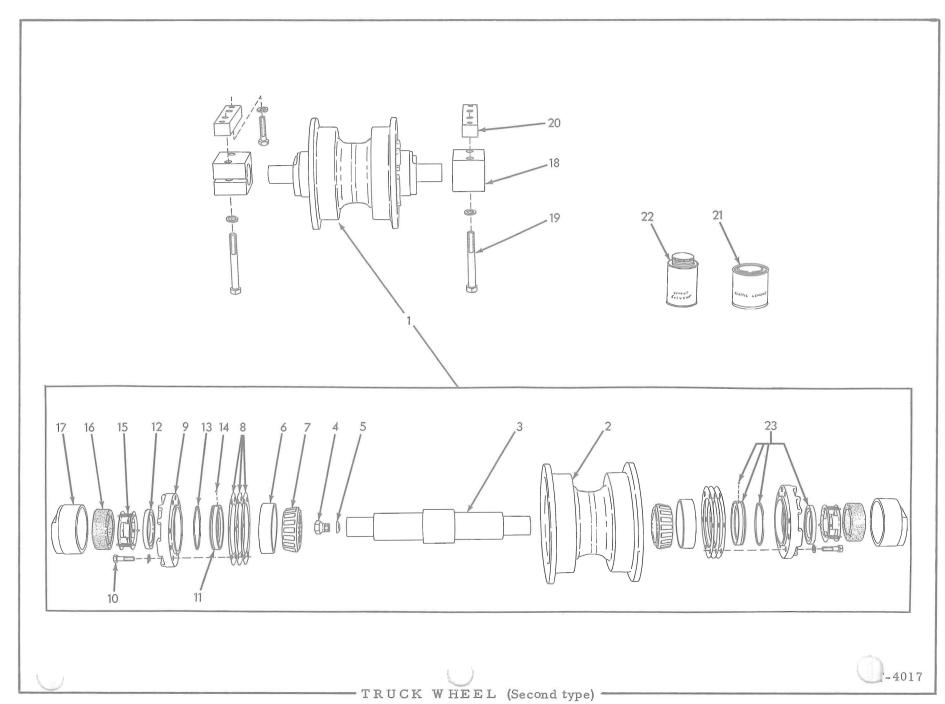
12 12



#### TRUCK WHEEL

USAGE: Standard equipment prior to tractor serial No. 11094. See page 187 for heavy-duty type.

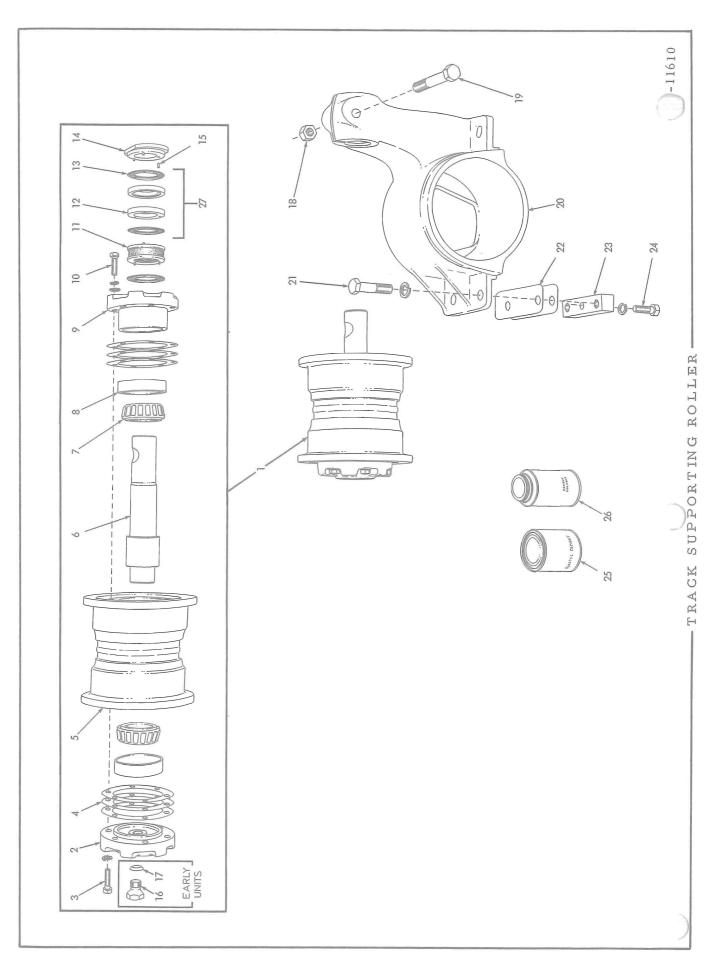
```
* Original equipment
                            ** Service replacement starting approximately April 1961
                    OTY.
ITEM
      PART NO.
                    *
                      **
                            DESCRIPTION
                            NOTE:
                                     Quantities indicated below are for one (1) wheel only.
                                     Twelve (12) wheels are used per unit
                            WHEEL ASSEMBLY (Consists of items 2 thru 15)(Order 623115)
         623115
                            WHEEL ASSEMBLY (Consists of items 2 thru 20)
  2
         051427
                         1
                            WHEEL
         049885
                            SHAFT
  3
         623116
                         1
                            SHAFT
         034043
                            GASKET, shaft oil hole plug
  4
                    1
  5
         034042
                            PLUG, shaft oil hole
  6
         042888
                    2
                         2
                            CONE ASSEMBLY, bearing
  7
         042887
                    2
                         2
                            CUP, bearing
         051432
                    4
                            SHIM, bearing adjustment (.007" thick)
                         4
  8
         051433
                    4
                            SHIM, bearing adjustment (.010" thick)
                         4
         051431
                    3
                         3
                            SHIM, bearing adjustment (.032" thick)
  9
                    2
         051430
                            RETAINER, bearing
         012992
                   12
                        12
                            CAPSCREW, bearing retainer (3/8"NF x 1-1/4")
                   12
                        12
                                 LOCKWASHER, 3/8"
         904206
 11
         047605
                    6
                         4
                            GASKET, seal ring (See items 26 and 27)
 12
         051429
                    2
                            GUARD ASSEMBLY, seal (Includes item 13)
 13
         049877
                    6
                            PIN, seal guard
 14
         047151
                    4
                         2
                            RING, seal (See items 26 and 27)
 15
         047581
                            SPRING ASSEMBLY, seal (Serviced only as a unit) (See item 26)
                    2
                         2
 16
         623113
                         2
                            RETAINER, bearing
 17
         623112
                         2
                            RETAINER, seal
                         2
 18
         607437
                            RING, seal packing
                                                               See item 27
 19
                         2
                            BALL, steel, 3/16" diam.
         905357
 20
                         2
                            RING, seal, inner (Order item 27)
          ----
          053305
                         2
                    2
                            BLOCK, tapped, attaching capscrews (tapered section)(Early units)
 21
                         2
          631691
                            BLOCK, tapped, attaching capscrews (straight section)(Late units)
                                 CAPSCREW, 1/2"NF x 2"
          911849
                         4
                    4
          904208
                                LOCKWASHER, 1/2"
                    4
                         4
          053346
                    2
                            BRACKET, attaching
 22
          093804
                         2
                            BRACKET, attaching
 23
         045524
                    4
                         4
                                 CAPSCREW, 5/8"NF x 4-1/2"
         904209
                    4
                         4
                                LOCKWASHER, 5/8"
 24
          033288
                            CEMENT, neoprene, 1/2 pint can
                                                                            For cementing
                                                                            seal boots
         054890
                            SOLVENT, neoprene cement, 1/2 pint can
 26
         083536
                            SEAL KIT (Consists of items 11, 14 and 15)
 27
                            SEAL KIT (Consists of items 11, 14, 18, 19 and 20)
         623124
```



#### TRUCK WHEEL

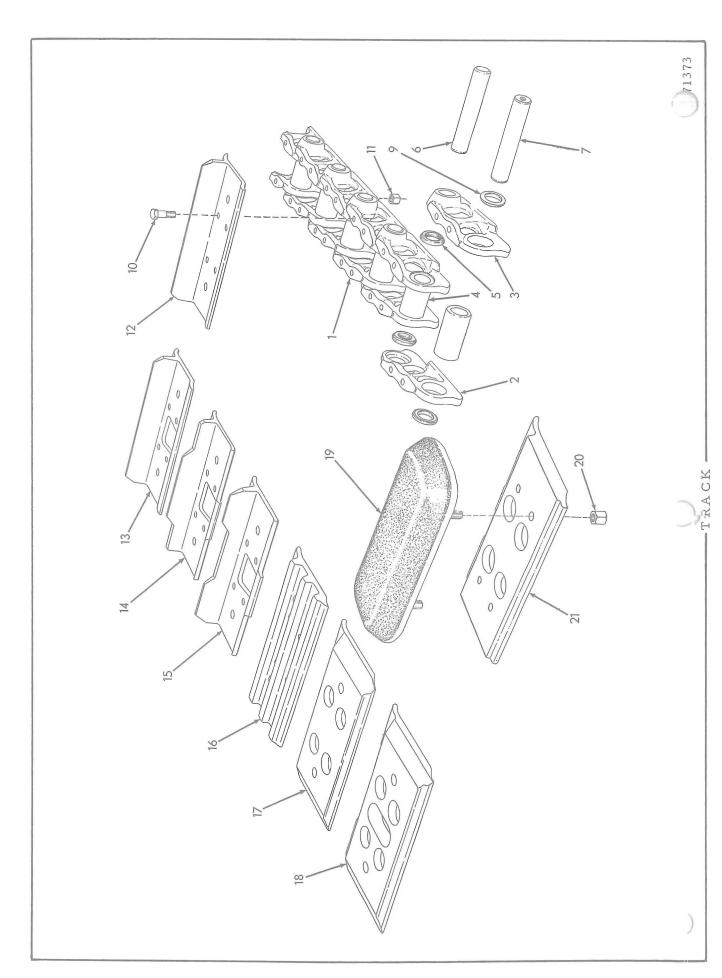
USAGE: Heavy-duty type. Standard equipment effective with tractor serial No. 11094. Special equipment on prior units.

```
PART NO. QTY.
                        DESCRIPTION
                        NOTE:
                                Quantities indicated below are for one (1)
                                 wheel only. Twelve (12) wheels are used
                                 per unit.
1
       622392
                  1
                        WHEEL ASSEMBLY (Consists of items 2 thru 17)
      073635
2
                  1
                        WHEEL
 3
       622391
                  1
                        SHAFT
                        PLUG, shaft oil hole
       034042
 4
                  1
 5
       034043
                        GASKET, shaft oil hole plug
                  1
                        CUP, bearing
 6
                  2
       659149
                        CONE ASSEMBLY, bearing
 7
       043491
       655458
                  4
                        SHIM, bearing adjustment (.003" thick)
       073024
                        SHIM, bearing adjustment (.007" thick)
 8
                                                                    Use as required
                        SHIM, bearing adjustment (.010" thick)
       073025
                  4
       073026
                  2
                        SHIM, bearing adjustment (.032" thick)
                        RETAINER, bearing
 9
       073023
                  2
                              CAPSCREW, 3/8"NF x 1-1/4"
LOCKWASHER, 3/8"
10
       012992
                 12
       904206
                 12
                  2
                        RING, seal, inner
       ----
                                               Order item 23
12
                  2
                        RING, seal, outer
       ----
13
       073029
                  2
                        RING, seal packing
                                                        See item 23
                        BALL, steel, 3/16" diam
14
       905357
       048666
                  2
15
                        SPRING ASSEMBLY, seal (Serviced only as a unit)
16
       048665
                        BOOT, seal spring
                  2
17
       073634
                  2
                        RETAINER, seal
18
       053346
                        BRACKET, attaching
                  2
                              CAPSCREW, 5/8"NF x 4-1/2" (Not used for six
       045524
                  4
19
                                 middle wheels)
                              CAPSCREW, 5/8"NF x 5" (For six middle wheels
       638796
                  4
                                 only)
                              LOCKWASHER, 5/8"
       904209
                  4
20
       053305
                  2
                        BLOCK, attaching capscrews
21
       033288
                        CEMENT, neoprene, 1/2 pint can
                                                                     For cementing
                                                                     seal boots.
22
       054890
                        SOLVENT, neoprene cement, 1/2 pint can
                        SEAL KIT (Includes parts for one (1) wheel only; items | 1 thru | 14)
       078941
23
```



### TRACK SUPPORTING ROLLER

| ITEM       | PART NO.                               | QTY.                | DESCRIPTION  |
|------------|--|---------------------|--|
| 2913       | 622613                                 | 2                   | ROLLER ASSEMBLY (Consists of items 2 thru 15)  |
| 2          | 622612<br>012992<br>904206             | 2<br>12<br>12       | RETAINER, outer bearing CAPSCREW, 3/8"NF x 1-1/4" LOCKWASHER, 3/8"   |
| 4          | 655474<br>051484<br>051483<br>051482   | 8<br>4<br>6<br>6    | SHIM, bearing adjustment (.003" thick) SHIM, bearing adjustment (.007" thick) SHIM, bearing adjustment (.010" thick) SHIM, bearing adjustment (.032" thick)  Use as required |
| 5          | 051481                                 | 2                   | ROLLER   |
| 6          | 078749                                 | 2                   | SHAFT  |
| 7          | 042888                                 | 4                   | CONE ASSEMBLY, bearing   |
| 8          | 042887                                 | 4                   | CUP, bearing   |
| 9          | 051478 .<br>012992<br>904206<br>911115 | 2<br>12<br>12<br>12 | RETAINER, inner bearing CAPSCREW, 3/8"NF x 1-1/4" LOCKWASHER, 3/8" WASHER, plain, SAE std., 3/8"   |
| 1.1        | 047581                                 | 2                   | SPRING ASSEMBLY, seal (Serviced only as a unit)  |
| 1.2        | 047151                                 | 4                   | RING, seal See item 27   |
| 13         | 047605                                 | 6                   | GASKET, seal ring  |
| a. )       | 051429                                 | 2                   | GUARD ASSEMBLY, seal (Includes item 15)  |
| 1.5        | 049877                                 | 6                   | PIN, seal guard  |
| 1.6        | 034042                                 | 2                   | PLUG, oiling hole  Early units only  |
| 1.7        | 034043                                 | 2                   | GASKET, shaft oil hole plug  |
| 1.8        | 072366                                 | 2                   | NUT, roller retaining capscrew (high, 5/8"NF)  |
| 19         | 035541                                 | 2                   | CAPSCREW, roller retaining (5/8"NF x 3-3/4")   |
| 20         | 078759                                 | 1                   | BRACKET, left side   |
| 20         | 078760                                 | 1                   | BRACKET, right side  |
| 21         | 023618<br>904209                       | 8                   | CAPSCREW, 5/8"NF x 2-1/2" LOCKWASHER, 5/8"   |
| 22         | 078766                                 | 12                  | SHIM, bracket alignment (1/32" thick. Use as req'd)  |
| 2.3<br>2.4 | 053304<br>035018<br>904208             | 4<br>4<br>4         | BLOCK, tapped, bracket attaching capscrews CAPSCREW, 1/2"NF x 1-1/2" LOCKWASHER, 1/2"  |
| 25         | 033288                                 | ees                 | CEMENT, neoprene, 1/2 pint can  For cementing gaskets  |
| 26         | 054890                                 | -                   | SOLVENT, neoprene cement, 1/2 pint can   |
|            | 083536                                 | 1                   | SEAL KIT (Includes parts for both rollers; items 11 thru 13)   |



TRACK \* Original equipment \*\* Service replacement (Sealed-type) QTY. PART NO. \*\* DESCRIPTION 087192 2 RAIL ASSEMBLY (Consists of items 2 thru 4 and 7 thru 9) 647030 2 RAIL ASSEMBLY (Consists of items 2 thru 7) 078835 78 BAR, left 646085 78 BAR, left 078836 78 BAR, right 646086 78 BAR, right 086509 BUSHING (4-3/4" long) 646013 78 BUSHING (4" long) 5 646011 156 SEAL 079616 76 PIN 7 621298 2 2 PIN, master 079617 8 2 BUSHING, master (4" long) 9 086532 4 SPACER, master bushing 644667 312 312 BOLT, track shoe (1/2"NF x 1-11/16")(For grouser shoes only) 644668 312 312 BOLT, track shoe (1/2"NF x 1-13/16")(For flat, semi-grouser and rubber-faced shoes) 11 084971 NUT, high, 1/2"NF 312 312 TRACK SHOES COMPLETE TRACK ASSEMBLIES WITH SHOES (2 Required) 051359 78 SHOE, grouser, 13" 054973 78 78 SHOE, grouser, heat treated, 13" ..... 647046 13 055012 78 78 SHOE, grouser, cut-out, 13" 14 099148 40 40 SHOE, grouser, snow and ice, single calk, cut-out, 13" 15 38 38 SHOE, grouser, snow and ice, double calk, 099147 cut-out, 13" 098462 78 78 SHOE, semi-grouser, 13" (standard equipment) . . 647027 098175 78 78 SHOE, semi-grouser, cut-out, 13"

(Continued)

17

064241

78

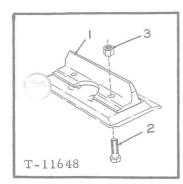
78

SHOE, flat, 13"

TRACK (Continued)

| ITEM     | PART NO. |    | TY.<br>** | DESCRIPTION                                 |
|----------|----------|----|-----------|---|
| 18       | 064242   | 78 | 78        | SHOE, flat, cut-out, 13"                    |
| 19<br>20 |          |    |           | PAD, rubber-faced, 13"<br>NUT, high, 1/2"NF |
| 21       | 080773   | 78 | 78        | SHOE, adapting, rubber-faced pad            |

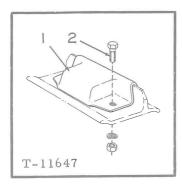
NOTE: Complete TRACK ASSEMBLIES with SHOES are furnished only in sizes and types as listed. Assemblies other than those listed may be made up in the field by ordering the various components.



#### GROUSERS

USAGE: Special equipment. For flat and semi-grouser shoes. Quantities indicated are for one (1) track shoe only

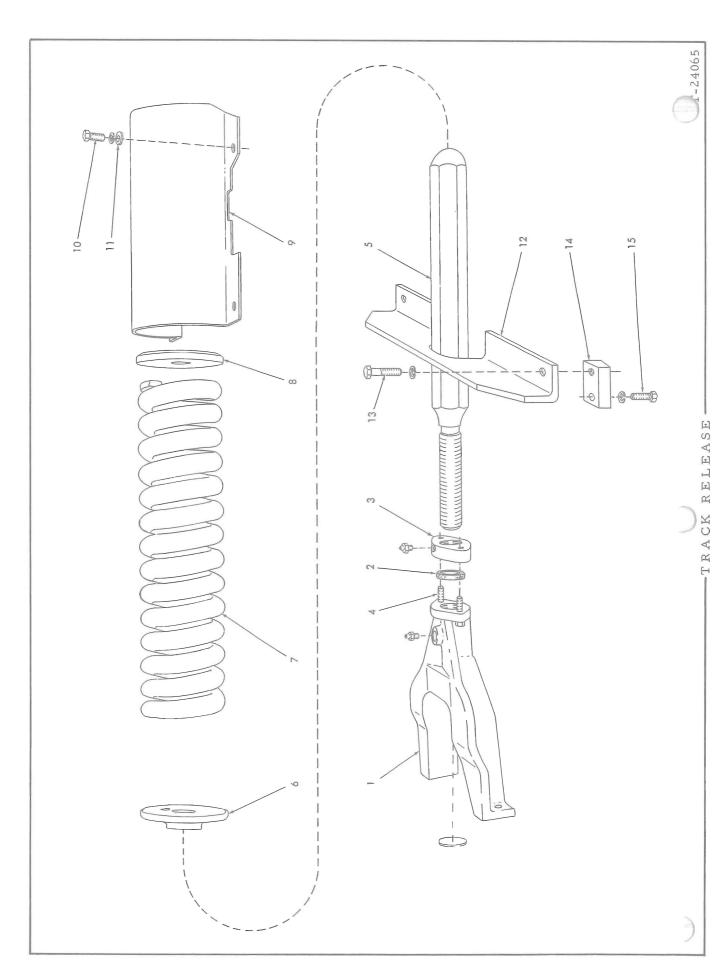
| ITEM | PART NO.         | QTY. | DESCRIPTION   |
|------|------------------|------|---|
| 7    | 064272           | 1    | GROUSER, snow and ice, 11" GROUSER, snow and ice, 13" |
| 1    | 064273           | 1    | GROUSER, snow and ice, 13"                            |
| 2    | 013465<br>012767 | 2 2  | CAPSCREW, 3/4"NF x 2-1/2" NUT. high, 3/4"NF           |



### STREET PLATE

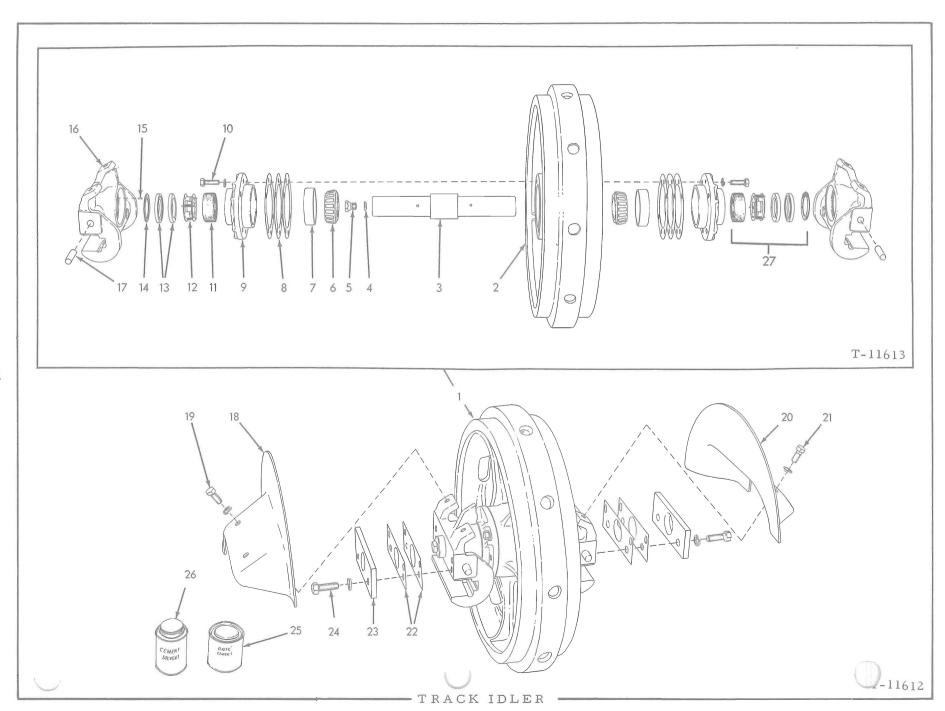
USAGE: Special equipment. For grouser track shoes. Quantities indicated are for one (1) track shoe only

| 1 | 036245 | 1 | PLATE, street                |
|---|--------|---|------------------------------|
| 2 | 035014 | 2 | CAPSCREW, $5/8$ "NF x 1-1/2" |
|   | 904209 | 2 | LOCKWASHER, 5/8"             |
|   | 911044 | 2 | NUT, 5/8"NF                  |



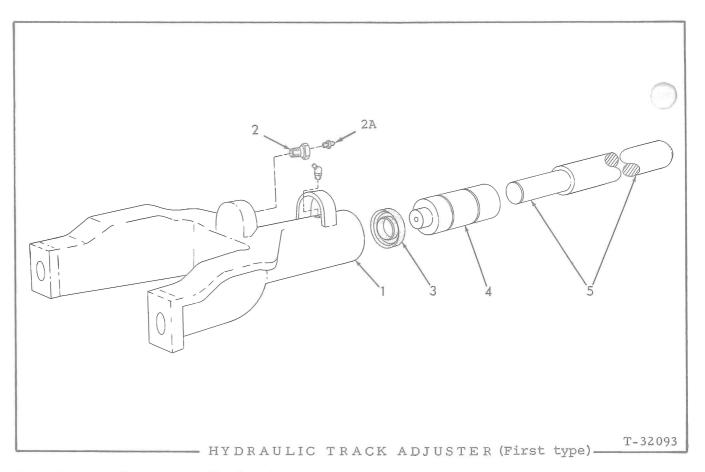
### TRACK RELEASE

| ITEM     | PART :                           | NO. QTY.     | DESCRIPTION  |  |  |  |
|----------|----------------------------------|--------------|--|--|--|--|
|          |                                  |              | NOTE: See page 198 for optional Hydraulic Track Adjuster   |  |  |  |
| 1        | 63175<br>91001<br>91446          | .6 2         | YOKE ASSEMBLY (Includes PLUG 910016) PLUG, expansion, 2-1/4" diam. FITTING, lubricating, straight, 1/8"NPT                     |  |  |  |
| 2        | 06606                            | 3 2          | SEAL, protecting, adjusting screw threads (rubber)   |  |  |  |
| 3<br>4   | 04984<br>91446<br>03506<br>90420 | 55 2<br>57 4 | LOCK, adjusting screw FITTING, lubricating, straight, 1/8"NPT CAPSCREW, 1/2"NF x 2" LOCKWASHER, 1/2"                           |  |  |  |
| 5        | 08678                            | 38 2         | SCREW, adjusting   |  |  |  |
| 6        | 09890                            | )2 2         | SEAT, release spring, front  |  |  |  |
|          | ſ                                | 2            | SPRING, inner Original equipment. Order SPRING 620934  |  |  |  |
| 7        |                                  | - 2          | SPRING, outer (14-1/2 coils) SPRING 620934   |  |  |  |
|          | 62093                            | 34 2         | SPRING (13-3/4 coils)(Service replacement. Discard old inner spring when installing)   |  |  |  |
| 8        | 09613                            | 36 2         | SEAT, release spring, rear   |  |  |  |
| 9        | 09069                            | 1            | GUARD, release spring, left  |  |  |  |
| 7        | 0906                             | 92 1         | GUARD, release spring, right   |  |  |  |
| 10       | 6144<br>90420<br>06453           | 8 8          | CAPSCREW, 1/2"NF x 1-3/8"<br>LOCKWASHER, 1/2"<br>WASHER, plain   |  |  |  |
| 10       | 09333                            | 32 2         | BRACKET, supporting, adjusting screw (3-1/4" slot)(Used on tractors #7434 thru 8224 and 9452 and up; excluding #8149 and 8150) |  |  |  |
| 12       | 0940                             | 64 2         | BRACKET, supporting, adjusting screw (2-5/8" slot)(Used on tractors #8225 thru 9451, including #8149 and 8150)                 |  |  |  |
| 13       | 03524<br>9042                    |              | CAPSCREW, 5/8"NF x 2-1/4" LOCKWASHER, 5/8"   |  |  |  |
| 14<br>15 | 09398<br>0350<br>9042            | 18 4         | BLOCK, tapped, supporting bracket capscrew CAPSCREW, 1/2"NF x 1-1/2" LOCKWASHER, 1/2"  |  |  |  |



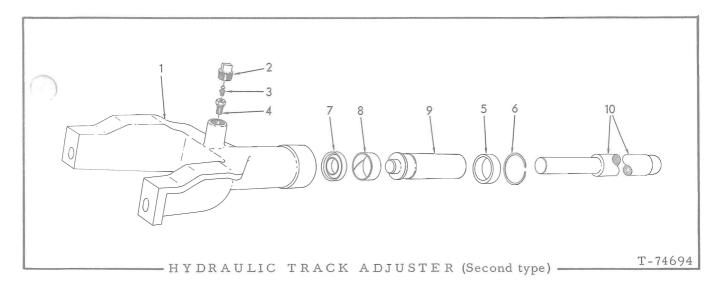
#### TRACK IDLER

```
ITEM
       PART NO.
                   QTY.
                          DESCRIPTION
                          IDLER ASSEMBLY (Consists of items 2 thru 17)
                     2
        622040
  L
        621809
                     2
  2
                          IDLER only
  3
        049896
                     2
                           SHAFT
                     2
                           GASKET, shaft oil hole plug
  4
        034043
  5
        034042
                     2
                           PLUG, shaft oil hole
  6
        043491
                     4
                           CONE ASSEMBLY, bearing
        210740
                     4
                           CUP, bearing
                           SHIM, bearing adjustment (.007" thick)
        050245
                     8
                           SHIM, bearing adjustment (.010" thick)
  8
        050246
                     4
                                                                      Use as req'd.
        050247
                     4
                           SHIM, bearing adjustment (.031" thick)
                           RETAINER, bearing
  9
        073646
                     4
                                 CAPSCREW, 1/2"NF x 1-1/2"
 10
        035018
                    16
                                LOCKWASHER, 1/2"
         904208
                    16
        048665
 11
                     4
                           BOOT, idler seal
 12
         048666
                     4
                           SPRING ASSEMBLY, idler seal (Serviced only as a unit)
                                                                                     See
                                                                                     item
  13
        048658
                     8
                           RING, idler seal
                                                                                     27
         050251
                     4
                           GASKET, seal ring
 15
         049877
                    12
                           PIN, seal ring locating
 16
         088538
                     4
                           BRACKET ASSEMBLY (Includes items 15 and 17)
 17
         049914
                     8
                           PIN, dowel, idler bracket to release yoke
 18
         629827
                     2
                           GUARD, left
                                 CAPSCREW, 1/2"NC x 1"
 19
         035221
                     4
         904208
                     4
                                LOCKWASHER, 1/2"
 20
         629828
                     2
                           GUARD, right
 21
         035221
                     4
                                 CAPSCREW, 1/2"NC x 1"
         904208
                     4
                                 LOCKWASHER, 1/2"
 22
         049861
                           SHIM, guide plate spacing (1/64" thick. Use as reg'd)
                    20
 23
         629615
                     4
                           PLATE, guide
 24
         036707
                     8
                                 CAPSCREW, 5/8"NC x 1-3/4"
                                LOCKWASHER, 5/8"
         904209
                     8
 25
         033288
                           CEMENT, neoprene, 1/2 pint can
                                                                          For cementing
                                                                          boots and gaskets
  26
         054890
                           SOLVENT, neoprene cement, 1/2 pint can
  27
        083213
                           SEAL KIT (Includes parts for one (1) idler assembly only; items 11
                              thru 14)
```



USAGE: Special equipment. Used prior to August 1968.

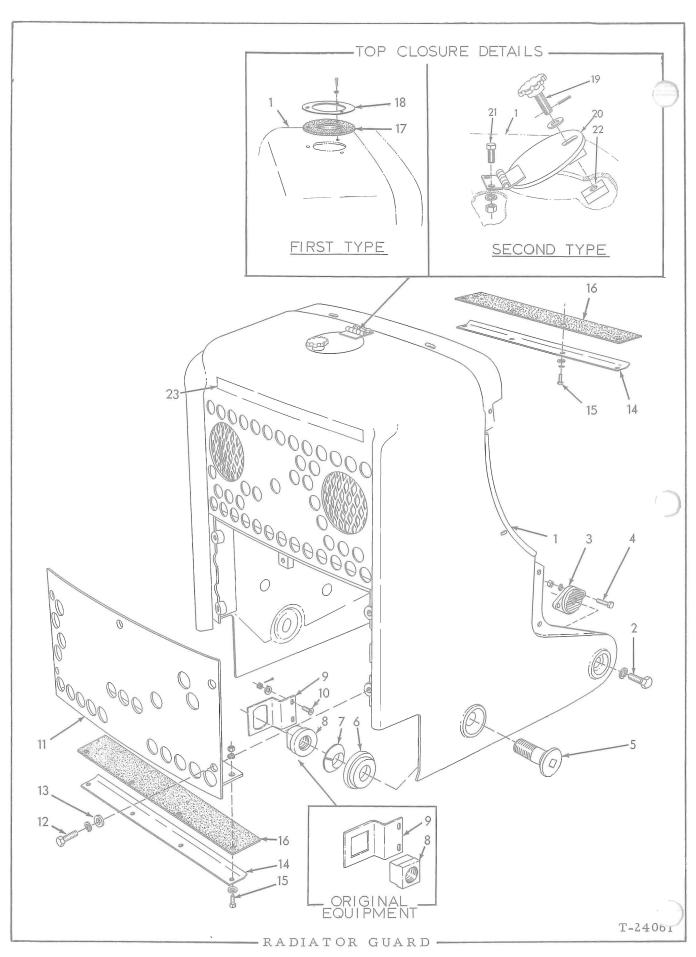
| ITEM | PART NO. | QTY.   | DESCRIPTION   |
|------|----------|--------|---|
| 1    | 624205   | 2      | YOKE ASSEMBLY (Includes items 2 thru 4 and FITTINGS indented below) |
|      | 915275   | 2      | FITTING, lubricating, 65°, 1/8"NPT                                  |
| 2    | 628915   | 2<br>2 | VALVE ASSEMBLY, relief (Serviced only as a unit)                    |
| 2A   | 666407   | 2      | FITTING, pressure spring  |
| 3    | 628931   | 2      | SEAL, piston  |
| 4    | 628930   | 2      | PISTON, adjusting   |
| 5    | 624667   | 2      | BAR, push   |



USAGE: Special equipment. Effective August 1968

\*Early units. Piston has 7-5/8" bore-depth.

|      |          | 0' | ΓY. | **Late units. Piston 3-1/2" bore-depth.   |
|------|----------|----|-----|---|
| ITEM | PART NO. |    | **  | DESCRIPTION   |
| 1    | C        | 2  | -   | YOKE ASSEMBLY (Order 666406 and BAR 666370)   |
| 1 1  | 666406   | -  | 2   | YOKE ASSEMBLY (Order 666406 and BAR 666370) YOKE ASSEMBLY (Includes items 2 thru 9) |
| 2    | 666367   | 2  | 2   | PLUG, yoke  |
| 3    | 666407   | 2  | 2   | FITTING, pressurizing   |
| 5    | 628915   | 2  | 2   | VALVE ASSEMBLY, check (Serviced only as a unit)                                     |
| 5    | 665134   | 2  | 2   | RING, wear, release yoke  |
| 6    | 624690   | 2  | 2   | RING, snap  |
| 7    | 628931   | 2  | 2   | SEAL, piston  |
| 8    | 665133   | 2  | 2   | RING, wear, adjusting piston  |
|      |          | 2  | -   | PISTON, adjusting (Order 666408 and BAR 666370)                                     |
| 9 {  | 666408   | -  | 2   | PISTON, adjusting (Order 666408 and BAR 666370) PISTON, adjusting                   |
| 10   | 665189   | 2  | -   | BAR, push (25-3/4" long) BAR, push (21-5/8" long)                                   |
| 10   | 666370   | -  | 2   | BAR, push (21-5/8" long)  |



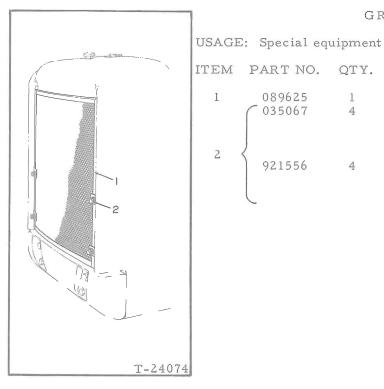
#### RADIATOR GUARD

| ITEM PART NO.   | QTY.             | DESCRIPTION  |
|---|------------------|--|
| 090077  | 1                | GUARD ASSEMBLY, radiator (Includes items 12 and 19 thru 22) (Used prior to tractor #11094)   |
| 097691  | 1                | GUARD ASSEMBLY, radiator (Includes items 19 thru 22)(Effective with tractor #11094)  |
| 2 012453<br>904369  | 2<br>2           | CAPSCREW, 3/4"NF x 2" LOCKWASHER, 3/4"   |
| $ \begin{array}{c} 3 \\ 4 \\ \begin{pmatrix} 089255 \\ 035067 \\ 035073 \\ 904208 \\ 911043 \end{array} $ | 2<br>4<br>4<br>4 | BLOCK, tapped, guard attaching CAPSCREW, 1/2"NF x 2" (Used prior to tractor #4227) CAPSCREW, 1/2"NF x 1-3/4" (Effective with tractor #4227) LOCKWASHER, 1/2" NUT, 1/2"NF |
| 5 086835  | 2                | CAPSCREW, guard attaching  |
| 6 086836  | 2                | SPACER, guard attaching capscrew   |
| 7 086837  | 2                | WASHER, cone, guard attaching capscrew   |
| 8   | 2                | NUT, guard attaching capscrew (square)(Original equipment. Order NUT 631553 and LOCK 631554)   |
| 631553  | 2                | NUT, guard attaching capscrew (Service replacement)  |
| 089592  | 2                | LOCK, guard attaching nut (Original equipment)(For square nut)   |
| 631554  | 2                | LOCK, guard attaching nut (For use with service replacement NUT 631553 only)   |
| 091090<br>900817<br>910863<br>900802  | 4<br>4<br>4<br>4 | CAPSCREW, flat-socket-hd., 3/8"NF x 1-5/16" WASHER, plain, U.S. std., 3/8" NUT, slotted, 3/8"NF PIN, cotter, 3/32" x 1"  |
| 086840  | 1                | PLATE, front closure (Has round corners) (Used prior to July 1958)   |
| 096069  | 1                | PLATE, front closure (Has square corners)(Effective July 1958)   |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$   | 5<br>5<br>5<br>5 | CAPSCREW, 1/2"NF x 1-3/8" (Early units) CAPSCREW, 1/2"NC x 1-3/8" (Late units) LOCKWASHER, 1/2" WASHER, plain  |
| 14 092022<br>15 036034<br>911115<br>904206<br>911041  | 2<br>8<br>4<br>8 | BAFFLE, air (If for tractors prior to #5931 also order item 16) CAPSCREW, 3/8"NF x 1" WASHER, plain, SAE std., 3/8" LOCKWASHER, 3/8" NUT, 3/8"NF                         |
| 16 092021   | 2                | STRIP, sealing, air baffle (rubber)(Effective with tractor #5931)  |
|   |                  | NOTE: Items 17 and 18 comprise the First Type closure used prior to tractor serial No. 6883.   |
| 17 087259   | 1                | SEAL, radiator neck (rubber)   |
| 18 087258<br>916780<br>900816   | 1<br>3<br>3      | PLATE, radiator neck seal SCREW, thread-cutting, hex-hd., 1/4"NC x 3/4" WASHER, plain, U.S. std., 1/4"   |
| )   |                  |  |

(Continued)

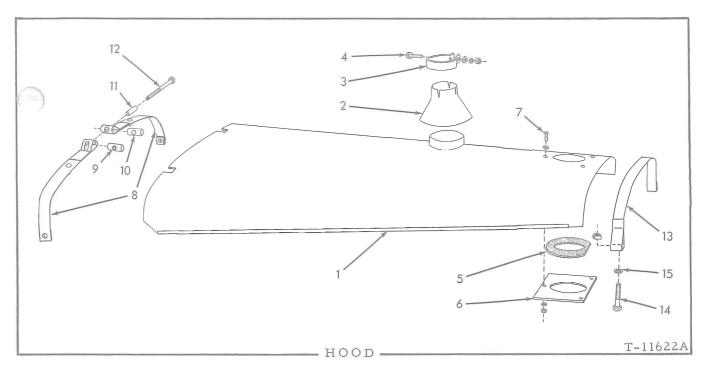
## RADIATOR GUARD (Continued)

| ITEM     | PART NO.                             | QTY.             | DESCRIPTION  |  |
|----------|--------------------------------------|------------------|--|--|
|          |                                      |                  | NOTE: Items 19 thru 22 comprise the Hinged Type closure which became effective with tractor serial No. 6883. |  |
| 19       | 624487<br>910244<br>916202           | 1<br>1<br>1      | KNOB, top closure plate WASHER, plain, SAE std., 1/2" PIN, roll, 1/8" x 7/8"                                 |  |
| 20<br>21 | 091942<br>035167<br>904206<br>911041 | 1<br>2<br>2<br>2 | PLATE, top closure (Includes hinge)  CAPSCREW, 3/8"NF x 7/8"  LOCKWASHER, 3/8"  NUT, 3/8"NF                  |  |
| 22       | 624488                               | 1                | BLOCK, tapped  |  |
| 23       |                                      | 1                | TRANSFER (See PAINTING AND MARKING)  |  |



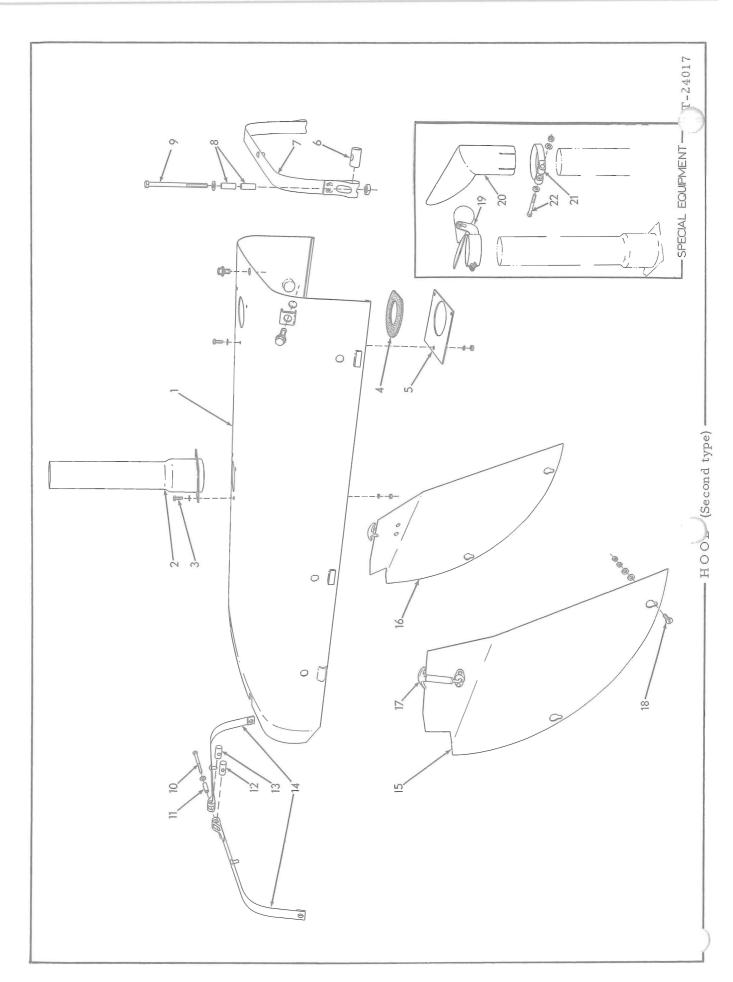
## GRILLE SCREEN

|      | -             |      |  |
|------|---------------|------|--|
| ITEM | PART NO.      | QTY. | DESCRIPTION  |
| 1    | 089625 035067 | 1 4  | SCREEN  CAPSCREW, 1/2"NF x 2" (Also attach front guard plate on early units, replacing standard CAPSCREW 614478) |
| 4    | 921556        | 4    | CAPSCREW, 1/2"NC x 2" (Also attach front guard plate on late units, replacing standard CAPSCREW 035733)          |



USAGE: Tractors prior to serial No. 11094.

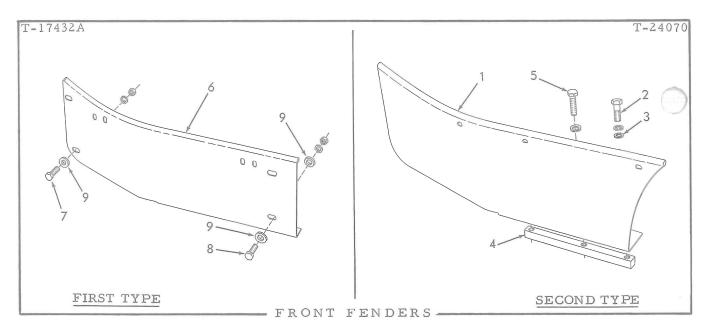
| ITEM   | PART NO.                                       | QTY.                  | DESCRIPTION   |  |  |
|--------|--|-----------------------|---|--|--|
| 1      | 088195   | 1                     | HOOD, engine  |  |  |
| 2      | 078717   | 1                     | SHIELD, dirt, exhaust pipe  |  |  |
| 3 4    | 077247<br>203188<br>900817<br>904206<br>911041 | 1<br>1<br>1<br>1      | CLAMP, exhaust pipe dirt shield CAPSCREW, 3/8"NF x 1-1/2" WASHER, plain, U.S. std., 3/8" LOCKWASHER, 3/8" NUT, 3/8"NF |  |  |
| 5      | 088365   | 1                     | SEAL, air stack (rubber)  |  |  |
| 6<br>7 | 088366<br>034964<br>900816<br>904204<br>911024 | 1<br>3<br>3<br>3<br>3 | PLATE, air stack seal retaining CAPSCREW, 1/4"NC x 3/4" WASHER, plain, U.S. std., 1/4" LOCKWASHER, 1/4" NUT, 1/4"NC   |  |  |
| 0 ~    | 086849   | 2                     | STRAP, front (Standard)   |  |  |
| 8      | 089929   | 2                     | STRAP, front (Special. Used with air pre-cleaner extension)   |  |  |
| 9      | 050734   | 1                     | PIN, front strap (threaded hole)  |  |  |
| 10     | 050735   | 1                     | PIN, front strap (plain hole)   |  |  |
| 11     | 053667   | 1                     | SPACER, front strap capscrew  |  |  |
| 12     | 086238   | 1                     | CAPSCREW, front strap   |  |  |
| 13     | 085628   | 1                     | STRAP, rear (Standard)  |  |  |
| 10 4   | 087233   | 1                     | STRAP, rear (Special. Used with air pre-cleaner extension)  |  |  |
| 14     | 088559<br>044973<br>900405                     | 2<br>2<br>2           | CAPSCREW, 3/8"NC x 3" WASHER, plain NUT, square, 3/8"NC   |  |  |



## HOOD

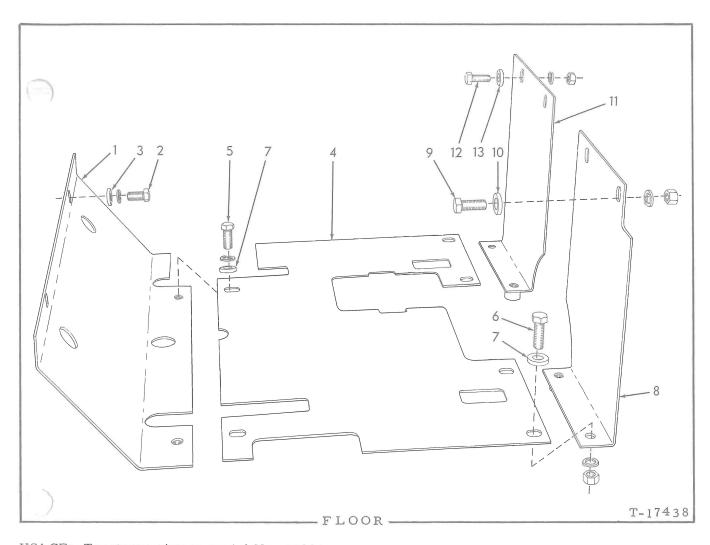
USAGE: Tractors serial No. 11094 and up.

| ITEM | PART NO.                                       | QTY.                  | DESCRIPTION  |
|------|--|-----------------------|--|
| -    | 634455   | 1                     | HOOD, engine   |
| 2 3  | 097620<br>057927<br>910335<br>904205<br>913636 | 1<br>4<br>4<br>4      | TUBE, exhaust extension CAPSCREW, 5/16"NF x 3/4" WASHER, plain, SAE std., 5/16" LOCKWASHER, 5/16" NUT, 5/16"NF     |
| 4    | 088365   | 1                     | SEAL, air stack (rubber)   |
| 5    | 088366<br>912789<br>911114<br>904204<br>911040 | 1<br>3<br>3<br>3<br>3 | PLATE, air stack seal retaining CAPSCREW, 1/4"NF x 3/4" WASHER, plain, SAE std., 1/4" LOCKWASHER, 1/4" NUT, 1/4"NF |
| 6    | 050735   | 2                     | PIN, rear strap (plain hole)   |
| 7    | 098017   | 1                     | STRAP, rear  |
| 8    | 053667   | 4                     | SPACER, rear strap capscrew  |
| 9    | 053668<br>911115<br>900405                     | 2<br>2<br>2           | CAPSCREW, rear strap (3/8"NC x 5") WASHER, plain, SAE std., 3/8" NUT, square, 3/8"NC                               |
| 10   | 086238<br>911115                               | 1                     | CAPSCREW, front strap WASHER, plain, SAE std., 3/8"  |
| )    | 053667   | 1                     | SPACER, front strap capscrew   |
| 12   | 050734   | 1                     | PIN, front strap (threaded hole)   |
| 13   | 050735   | 1                     | PIN, front strap (plain hole)  |
| 14   | 086849   | 2                     | STRAP, front   |
| 15   | 098453   | 1                     | PLATE ASSEMBLY, front closure, left side (Includes item 17)  |
| 16   | 098454   | 1                     | PLATE ASSEMBLY, front closure, right side (Includes item 17)   |
| 17   | 098029<br>900759                               | 2<br>4                | LATCH, closure plate<br>RIVET, flat head, 1/4" x 1/2"  |
| 18   | 097760<br>910335<br>904205<br>913636           | 4<br>8<br>4<br>4      | SCREW, closure plate attachment WASHER, plain, SAE std., 5/16" LOCKWASHER, 5/16" NUT, 5/16"NF                      |
|      |  |                       | NOTE: The following items are Special Equipment.   |
| 19   | 085088   | 1                     | RAINCAP, exhaust pipe  |
| 20   | 085280   | 1                     | SHIELD, rain, exhaust pipe   |
| 21   | 084887<br>053619<br>911115<br>911041           | 1<br>1<br>2<br>1      | CLAMP, rain shield CAPSCREW, 3/8"NF x 3-3/4" WASHER, plain, SAE std., 3/8" NUT, 3/8"NF                             |



\* Used prior to tractor serial No. 11094. \*\* Effective with tractor serial No. 11094.

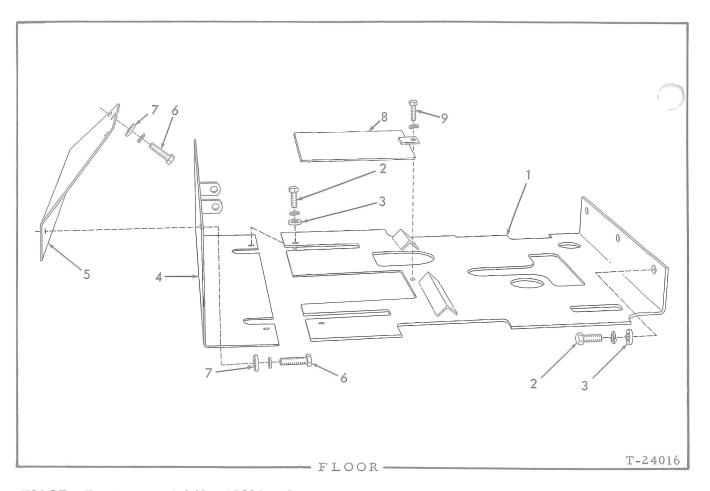
```
QTY.
ITEM PART NO. *
                     **
                          DESCRIPTION
         642045
                          FENDER, left side
         642046
                          FENDER, right side
   2
         035067
                                CAPSCREW, 1/2"NF x 2"
                       4
         904208
                       4
                                LOCKWASHER, 1/2"
   3
         064531
                                WASHER, plain
                       4
                          BLOCK, tapped, fender attaching capscrews CAPSCREW, 1/2"NF x 1-3/4" LOCKWASHER, 1/2"
   4
         098018
                       2
   5
         035073
         904208
                       2
         087323
                          FENDER, left side
         087324
                          FENDER, right side
                                 CAPSCREW, 1/2"NF x 1-1/2"
   7
         035018
                                CAPSCREW, 1/2"NF x 1-1/2" (left side)
         035018
                   1
   8
                                CAPSCREW, 1/2"NF x 1-3/4" (right side)
         035073
                   1
   9
         064531
                  12
                                WASHER, plain
         904208
                  8
                                LOCKWASHER, 1/2"
         911043
                   8
                                NUT, 1/2"NF
```



USAGE: Tractors prior to serial No. 11094.

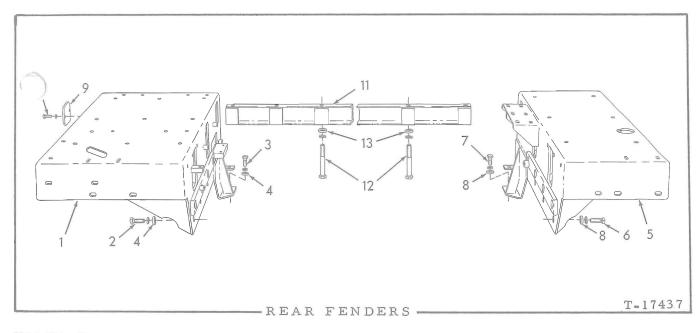
### ITEM PART NO. QTY. DESCRIPTION

|                | 087298<br>035221<br>904208<br>064531                     | 2                          | PLATE, floor, front<br>CAPSCREW, 1/2"NC x 1"<br>LOCKWASHER, 1/2"<br>WASHER, plain                                 |
|----------------|--|----------------------------|---|
| 6              | 087296<br>035733<br>035018<br>064531<br>904208<br>911043 | 1<br>4<br>2<br>6<br>6<br>2 | PLATE, floor, rear CAPSCREW, 1/2"NC x 1-3/8" CAPSCREW, 1/2"NF x 1-1/2" WASHER, plain LOCKWASHER, 1/2" NUT, 1/2"NF |
|                | 092545<br>070469<br>064531<br>904208<br>911043           | 1<br>2<br>2<br>2<br>2      | PLATE, rear floor plate supporting, left CAPSCREW, 1/2"NF x 1-1/4" WASHER, plain LOCKWASHER, 1/2" NUT, 1/2"NF     |
| 11<br>12<br>13 | 070469   | 1<br>2<br>2<br>2<br>2      | PLATE, rear floor plate supporting, right CAPSCREW, 1/2"NF x 1-1/4" WASHER, plain LOCKWASHER, 1/2" NUT, 1/2"NF    |



USAGE: Tractors serial No. 11094 and up

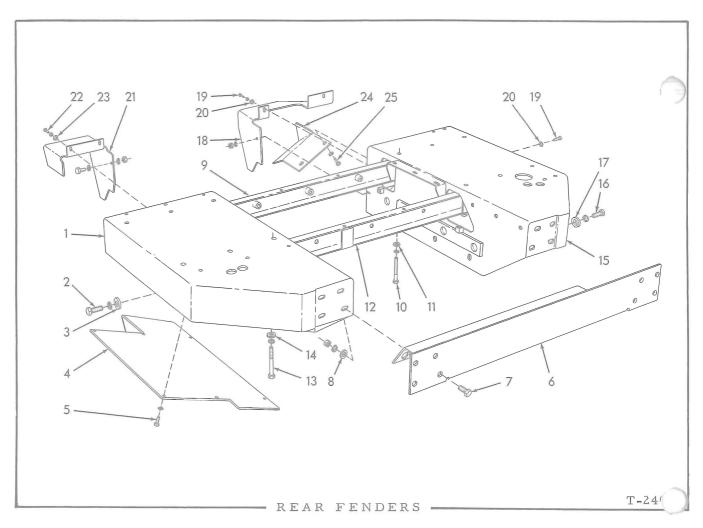
| ITEM | PART NO.          | QTY.   | DESCRIPTION  |         |
|------|-------------------|--------|--|---------|
| 1    | em em em em em em | 1      | PLATE (Original equipment. Order PLATE 633069 and items 8 and 9) |         |
|      | 633069            | 1      | PLATE, floor (Service replacement)                               |         |
| 2    | 035733<br>904208  | 5<br>5 | CAPSCREW, 1/2"NC x 1-3/8" LOCKWASHER, 1/2"                       |         |
| 3    | 064531            | 5      | WASHER, plain  |         |
| 4    | 097821            | 1      | PLATE, floor supporting  |         |
| 5    | 097968            | 1      | PLATE, closure, clutch removal                                   |         |
| 6    | 035236            | 4      | CAPSCREW, 1/2"NC x 1-3/4"  |         |
|      | 904208            | 4      | LOCKWASHER, 1/2"   |         |
| 7    | 064531            | 4      | WASHER, plain  |         |
| 8    | 633058            | 1      | PLATE, access, U-joint and oil clutch filter                     |         |
| 9    | 035733            | I      | CAPSCREW, 1/2"NC x 1-3/8" Not original equ                       | iipment |
|      | 904208            | 1      | LOCKWASHER, 1/2"   |         |



USAGE: Tractors prior to serial No. 11094.

### ITEM PART NO. QTY. DESCRIPTION

| 1<br>2<br>3 { | 092515<br>035190<br>035067<br>035018 | 1<br>3<br>1<br>1 | FENDER, left  CAPSCREW, 1/2"NC x 1-1/2"  CAPSCREW, 1/2"NF x 2" (Used prior to tractor #8742)  CAPSCREW, 1/2"NF x 1-1/2" (Effective with tractor #8742)  WASHER, plain |
|---------------|--------------------------------------|------------------|---|
|               | 904208                               | 4                | LOCKWASHER, 1/2"  |
| )             | 911043                               | 1                | NUT, 1/2"NF (Used prior to tractor #8742)   |
| 5             | 092518                               | 1                | FENDER, right   |
| 5             | 035190                               | 3                | CAPSCREW, 1/2"NC x 1-1/2"   |
| _ (           |                                      | 1                | CAPSCREW, 1/2"NF x 2" (Used prior to tractor #8742)   |
| 7 {           | 035067<br>035018                     | 1                | CAPSCREW, 1/2"NF x 1-1/2" (Effective with tractor #8742)  |
| 8             | 064531                               | 4                | WASHER, plain   |
|               | 904208                               | 4                | LOCKWASHER, 1/2"  |
|               | 911043                               | 1                | NUT, 1/2"NF (Used prior to tractor #8742)   |
| 9             | 087265                               | 3                | COVER, left fender access holes   |
| 10            | 035439                               | 6                | CAPSCREW, 3/8"NC x 1"   |
|               | 904206                               | 6                | LOCKWASHER, 3/8"  |
| 11            | 089905                               | 3                | CHANNEL, fender bracing   |
| 12            | 057517                               | 15               | CAPSCREW, 1/2"NF x 4"   |
|               | 904208                               | 15               | LOCKWASHER, 1/2"  |
| 13            | 064531                               | 15               | WASHER, plain   |



USAGE: Tractors serial No. 11094 and up

| ITEM          | PART NO.                             | QTY.             | DESCRIPTION  |
|---------------|--------------------------------------|------------------|--|
| 1<br>2<br>3   | 097613<br>648715<br>904209<br>064810 | 1<br>3<br>3<br>3 | FENDER, left CAPSCREW, Nylok, 5/8"NC x 1-5/8" LOCKWASHER, 5/8" WASHER, plain                 |
| 4<br>5        | 097939<br>035167<br>904206           | 1<br>6<br>6      | PLATE, cover, left fender<br>CAPSCREW, 3/8"NF x 7/8"<br>LOCKWASHER, 3/8"                     |
| /             | S 634897                             | 1                | GUARD, rear (Standard equipment)   |
| 6             | 634897                               | 1                | GUARD, rear (Special. For use with Odometer)   |
| 7<br>8        | 035018<br>064531<br>904208<br>911043 | 8<br>8<br>8      | CAPSCREW, 1/2"NF x 1-1/2" WASHER, plain LOCKWASHER, 1/2" NUT, 1/2"NF                         |
| 9<br>10<br>11 | 097715<br>057517<br>904208<br>064531 | 1<br>6<br>6<br>6 | CHANNEL, fender bracing, front<br>CAPSCREW, 1/2"NF x 4"<br>LOCKWASHER, 1/2"<br>WASHER, plain |

(Continued)

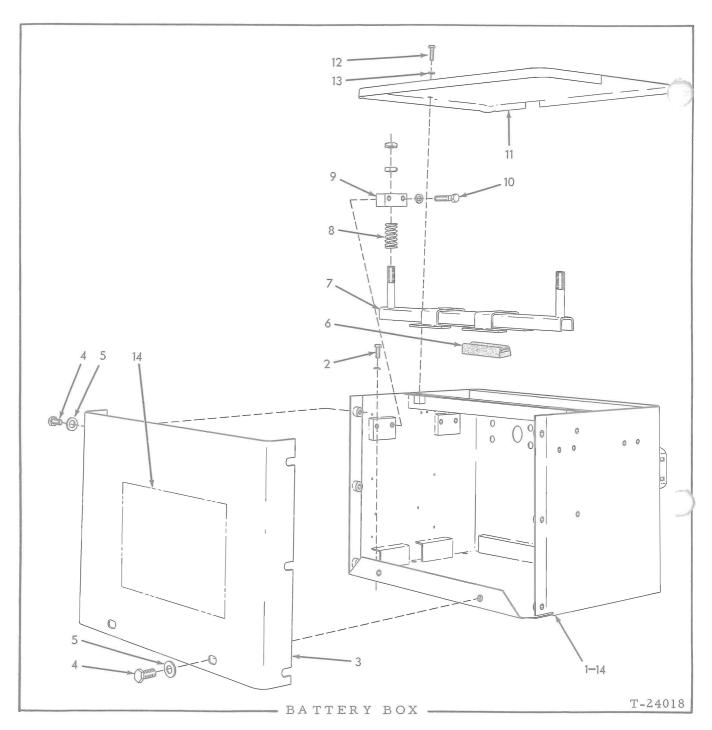
# REAR FENDERS (Continued)

| ITEM           | PART NO.                                       | QTY.                  | DESCRIPTION  |
|----------------|--|-----------------------|--|
| 12             | 629036<br>057517<br>904208<br>064531           | 1<br>6<br>6           | CHANNEL, fender bracing, rear<br>CAPSCREW, 1/2"NF x 4"<br>LOCKWASHER, 1/2"<br>WASHER, plain        |
| 15<br>16<br>17 | 904209   | 1<br>3<br>3<br>3      | FENDER, right CAPSCREW, Nylok, 5/8"NC x 1-5/8" LOCKWASHER, 5/8" WASHER, plain                      |
| 18<br>19<br>20 | 098015<br>036039<br>904206<br>044973<br>911041 | 1<br>3<br>3<br>3<br>1 | COVER, right side<br>CAPSCREW, 3/8"NF x 1-3/8"<br>LOCKWASHER, 3/8"<br>WASHER, plain<br>NUT, 3/8"NF |
| 21<br>22<br>23 | 904206   | 1<br>3<br>3<br>3      | COVER, left side<br>CAPSCREW, 3/8"NF x 1-3/8"<br>LOCKWASHER, 3/8"<br>WASHER, plain<br>NUT, 3/8"NF  |
| 24<br>25       |  | 1<br>2<br>2           | GUARD, cylinder hose<br>CAPSCREW, 3/8"NF x 1-3/4"<br>LOCKWASHER, 3/8"                              |

### SEAT AND BATTERY BOX

USAGE: Tractors prior to serial No. 11094.

| M                | PART NO.   | QTY.                       | DESCRIPTION  |
|------------------|--|----------------------------|--|
| 1                | 084314   | 1                          | CUSHION, seat  |
| 2<br>3<br>4<br>5 | 087191<br>035018<br>035018<br>064531<br>904208<br>911043 | 1<br>2<br>3<br>8<br>5<br>3 | SUPPORT, seat cushion CAPSCREW, 1/2"NF x 1-1/2" CAPSCREW, 1/2"NF x 1-1/2" WASHER, plain LOCKWASHER, 1/2" NUT, 1/2"NF |
| 6                | 093004   | 1                          | BOX, tool  |
| 7                | 087255   | 1                          | BOX, battery (See page 214 for listing of Second type)   |
| 8<br>9<br>10     | 087267<br>035018<br>904208<br>064531                     | 1<br>8<br>8<br>8           | COVER, battery box side<br>CAPSCREW, 1/2"NF x 1-1/2"<br>LOCKWASHER, 1/2"<br>WASHER, plain                            |
| 11<br>12         | 089336<br>035018<br>904208<br>900818                     | 1<br>2<br>2<br>2           | COVER, battery box top CAPSCREW, 1/2"NF x 1-1/2" LOCKWASHER, 1/2" WASHER, plain, U.S. std., 1/2"                     |
| 13<br>14         | 050551<br>050510<br>904208<br>900802                     | 1<br>1<br>1                | BLOCK, arm rest cushion retaining CAPSCREW (1/2"NF x 1-1/2", drilled end) LOCKWASHER, 1/2" PIN, cotter, 3/32" x 1"   |
| 75               | 083263   | 1                          | CUSHION, arm rest  |
| 16               | 084315<br>910244<br>911028                               | 1<br>2<br>2                | CUSHION, back (Includes NUTS indented below) WASHER, plain, SAE std., 1/2" NUT, 1/2"NC                               |



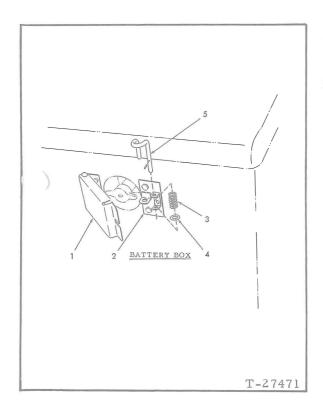
USAGE: Tractors serial No. 11094 and up. See page 213 for First type Battery Box

| ITEM        | PART NO.                   | QTY.        | DESCRIPTION  |
|-------------|----------------------------|-------------|--|
| 1<br>2      | 624331<br>012992<br>904206 | 1<br>6<br>6 | BOX, battery<br>CAPSCREW, 3/8"NF x 1-1/4"<br>LOCKWASHER, 3/8"      |
| 3<br>4<br>5 | 097604<br>070467<br>064531 | 1<br>8<br>8 | COVER, battery box, side<br>CAPSCREW, 1/2"NF x 1"<br>WASHER, plain |
| 6           | 052791                     | 8           | BLOCK, rubber, battery hold-down                                   |

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# BATTERY BOX (Continued)

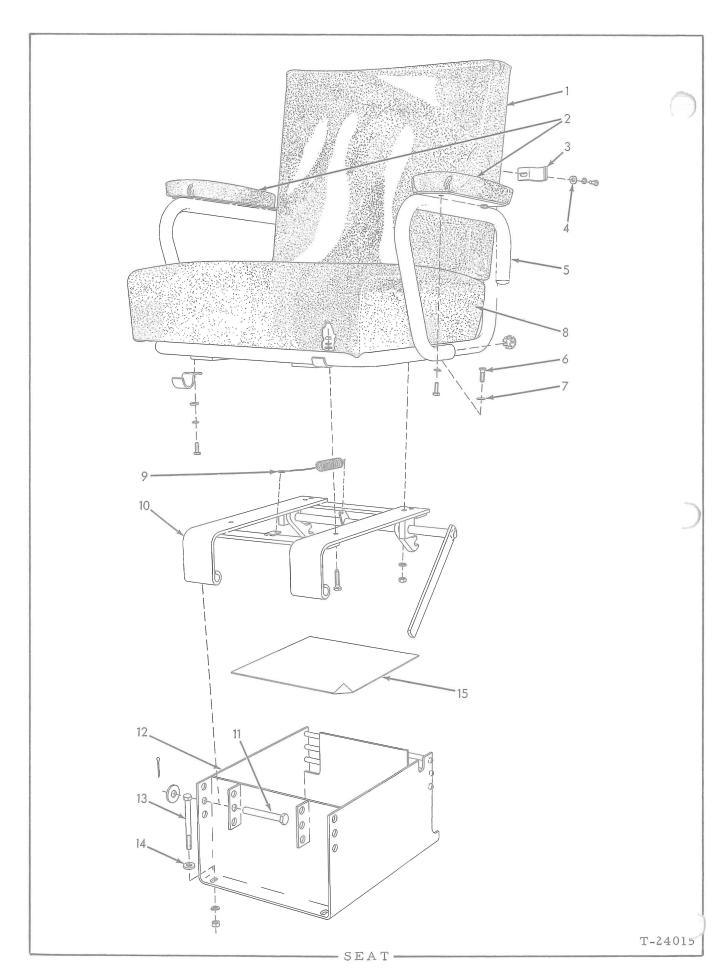
| ITEM           | PART NO.                   | QTY.        | DESCRIPTION   |
|----------------|----------------------------|-------------|---|
| 3              | 620161                     | 2           | HOLD-DOWN, battery (If for first replacement on tractors prior to     |
| . /            | 910847                     | 8           | #12630 also order PAD 620158)<br>NUT, jam, 3/4"NF                     |
| 8              | 081404                     | 4           | SPRING, battery hold-down   |
| 9<br>10        | 097982<br>035067<br>904208 | 4<br>8<br>8 | BLOCK, battery hold-down CAPSCREW, 1/2"NF x 2" LOCKWASHER, 1/2"       |
| 11<br>12<br>13 | 097605<br>013058<br>044973 | 1<br>2<br>2 | COVER, battery box, top<br>CAPSCREW, 3/8"NC x 1-1/4"<br>WASHER, plain |
| 14             |                            |             | PLATE and TRANSFER (See INSTRUCTION PLATES AND TRANSFERS)             |



### MASTER SWITCH COVER

USAGE: Special equipment. Padlock is required to complete the installation

| ITEM | PART NO.         | QTY.   | DESCRIPTION                                 |
|------|------------------|--------|---|
| 1    | 620445           | 1      | COVER                                       |
| 2    | 620448           | 1      | PLATE, cover latching                       |
| 3    | 035916           | 1      | SPRING, latching rod                        |
| 4    | 607414           | 1      | WASHER, latching spring                     |
| 5    | 621201<br>916146 | 1<br>1 | ROD, latching<br>PIN, roll, 3/32" x<br>1/2" |



SEAT

USAGE: Tractors serial No. 11094 and up.

| ITTM | PART NO.                             | QTY.             | DESCRIPTION  |
|------|--------------------------------------|------------------|--|
| 1    | 098401                               | 1                | CUSHION, back  |
| 2    | 620013<br>912789<br>904204           | 2<br>4<br>4      | CUSHION, arm<br>CAPSCREW, 1/4"NF x 3/4"<br>LOCKWASHER, 1/4"                              |
| 3    | 098409<br>912789<br>904204<br>092635 | 8<br>8<br>8      | CLIP, cushion retaining CAPSCREW, 1/4"NF x 3/4" LOCKWASHER, 1/4" WASHER, plain           |
| 5    | 630344<br>920434<br>910505<br>043646 | 4<br>2<br>2      | FRAME, seat PLUG, button, 27/32" diam. CAPSCREW, 5/16"NF x 1" CAPSCREW, 5/16"NF x 1-1/4" |
| 7    | 092665<br>904205<br>913636           | 4<br>4<br>4      | WASHER, plain<br>LOCKWASHER, 5/16"<br>NUT, 5/16"NF                                       |
| 8    | 098402                               | 1                | CUSHION, seat  |
| 9    | 045306                               | 1                | SPRING, seat adjustment  |
| 10   | 097602                               | 1                | FRAME, seat adjusting  |
| 11   | 097612<br>910244<br>900805           | 2<br>2<br>2      | PIN, hinge, seat adjusting frame WASHER, plain, SAE std., 1/2" PIN, cotter, 1/8" x 3/4"  |
| 13   |                                      | 1<br>4<br>4<br>4 | SUPPORT, seat CAPSCREW, 3/8"NF x 4" WASHER, plain LOCKWASHER, 3/8" NUT, 3/8"NF           |
| 15   | 095984                               | 1                | PLATE, bottom, seat support  |

### PAINTING AND MARKING

| ITEM | PART NO.         | QTY.   | DESCRIPTION   |
|------|------------------|--------|---|
|      |                  |        | NOTE: Approximately 3-1/2 gallons required for spraying one coat.                                       |
| 1    | 921094           | -      | ENAMEL, persian orange, quart can   |
| 1    | 921094           | ***    | ENAMEL, A-C yellow, quart can   |
| 2    | 921093           | -      | ENAMEL, persian orange, gallon can  |
| 2    | 922984           | es     | ENAMEL, A-C yellow, gallon can  |
| 3    | 922985           | 800    | ENAMEL, A-C yellow, 5 gallon can  |
| 1    | 921092           | -      | ENAMEL, persian orange, 12 oz. pressurized spray-type can   |
| 7    | 922982           | -      | ENAMEL, A-C yellow, 12 oz. pressurized spray-type can   |
|      |                  |        | NOTE: All plates and transfers listed below are English Language printings unless otherwise indicated   |
|      | 099994           | 1      | PLATE, general instructions, tractor and shovel (8-3/4" x 12") (Attached to battery box)                |
|      | 034076           | 6      | SCREW, thread-cutting, #8 x 1/2"  |
| 5    | 622246           | 1      | PLATE, general instructions, tractor (Multi-language, 7" x 10") (Attached to battery box)               |
|      | 034076           | 4      | SCREW, thread-cutting, #8 x 1/2"  |
|      | 623073           | 1      | PLATE, general instructions, shovel (Multi-language, 6-1/2" x 7") (Attached to battery box)             |
|      | 034076           | 4      | SCREW, thread-cutting, #8 x 1/2"  |
| 6    | 088629<br>034076 | 1<br>4 | PLATE, gear shift guide (2-1/2" x 3")(Attached to dash) SCREW, thread-cutting, #8 x 1/2"                |
| 7    | 621357           | 1      | TRANSFER, lubrication certification $(3-7/8" \times 6-3/4"$ , pressure sensitive type)(Applied to dash) |
| 8    | 631293           | 1      | TRANSFER, engine operation (2-1/4" x 4-1/2", pressure-sensitive type)(Applied to dash)                  |
| 9    | 621342           | 1      | TRANSFER, instruction, engine primer (1-3/4" x 6", pressure sensitive type)(Applied to dash)            |
|      | 621338           | 1      | TRANSFER, air heater operation (2" x 6", pressure-sensitive type) (Applied to dash)                     |
| 10   | 074579           | 1      | *TRANSFER, air heater operation (Spanish translation, 2" x 6") (Applied to dash)                        |
| 1.1  | 050842           | 1      | TRANSFER, instruction, air cleaner, $(1-1/2" \times 3-3/4")$ (Applied to air cleaner)                   |
| 11   | 074578           | 1      | *TRANSFER, instruction, air cleaner (Spanish translation, 1-5/8" x 4")(Applied to air cleaner)          |
|      | 050838           | 1      | TRANSFER, instruction, air pre-cleaner (Applied to pre-cleaner)   |
| 12   | 050838<br>074577 | 1      | *TRANSFER, instruction, air pre-cleaner (Spanish translation, $1-5/8$ " x 4")(Applied to pre-cleaner)   |
|      |                  |        |   |

\*Indicates permanent-type transfer. See item 23.

(Continued)

# PAINTING AND MARKING (Continued)

| <u>T</u> | TEM  | F | PART NO.         | QTY. | DESCRIPTION  |
|----------|------|---|------------------|------|--|
|          |      |   | 634516           | 1    | TRANSFER, instruction, hydraulic oil filters (4" x 6-3/8", pressuresensitive type)(Applied to hydraulic tank)  |
|          | 1.4  | 5 | 623097<br>632388 | 1    | TRANSFER, instruction, engine oil filter $(2-7/8" \times 5"$ , pressuresensitive type)(Applied to filter)  |
|          | 14   |   | 632388           | 1    | TRANSFER, instruction, engine oil filter (multi-language, $4'' \times 4-3/4$ pressure-sensitive type)(Applied to filter)   |
|          | 1.5  |   | 621399           | 1    | TRANSFER, warning, special heavy-duty oil filter (2" $\times$ 10", pressure-sensitive type. Includes Portuguese translation)(Applied to filter)                            |
|          | 15   |   | 621400           | 1    | TRANSFER, warning, special heavy-duty oil filter (2" $\times$ 10", pressure-sensitive type. French and Spanish translation)(Applied to filter)                             |
|          | 7./  | 5 | 644593<br>632390 | 1    | TRANSFER, instruction, fuel filter $(1-3/4'' \times 2-1/4'')$ , pressuresensitive type)(Applied to 2nd stage filter)   |
|          | 16   |   | 632390           | 1    | TRANSFER, instruction, fuel filter (multi-language, 1-3/4" x 5-1/2", pressure-sensitive type)(Applied to 2nd stage filter)   |
|          | 1.77 | 5 | 644625<br>632389 | 1    | TRANSFER, instruction, f uel filter $(1-3/4" \times 2-1/4"$ , pressuresensitive type)(Applied to 1st stage filter)   |
|          | 1 (  |   | 632389           | 1    | TRANSFER, instruction, fuel filter (multi-language, 2-3/4" x 3-1/4", pressure-sensitive type)(Applied to 1st stage filter)   |
|          | 18   |   | 634284           | 1.   | TRANSFER, "ALLIS-CHALMERS" (1-3/8" $\times$ 30", pressure-sensitive type)(Applied to fuel tank)  |
|          | 19   |   | 068830           | 2    | TRANSFER, "ALLIS-CHALMERS" (1-3/4" x 12-3/4")(Applied to battery box and oil reservoir on early units)   |
|          | 20   |   | 634376           | 3    | TRANSFER, "ALLIS-CHALMERS" (1-1/8" $\times$ 20", pressuresensitive type)(Applied to front of radiator guard; also to sides of battery box and oil reservoir on late units) |
|          | 2.1  | 5 | 095609           | 2    | TRANSFER, "HD6G" (3" $\times$ 9-3/8")(Applied to battery box and oil reservoir. Used prior to tractor #11094)  |
|          | 21   |   | 634400           | 3    | TRANSFER, "HD6G" (12-1/2" x 11-7/8")(Applied to battery box, oil reservoir and rear of fuel tank. Effective with tractor $\#11094$ )                                       |
|          | 22   |   | 098778           | 1    | TRANSFER KIT (Consists of one each TRANSFERS 050838, 050842, 634284, 644625, 621342, 644593, 631293; three each TRANSFERS 634376 and 634400)                               |
|          | 23   |   | 067937           | -    | CEMENT, transfer application, 1/2 pint jar (Makes solution by adding 4 parts water. Required to apply transfers indicated by asterisk (*) above)                           |
|          |      |   |                  |      |  |

#### LIGHTS AND WIRING

USAGE: Tractors prior to serial No. 7978

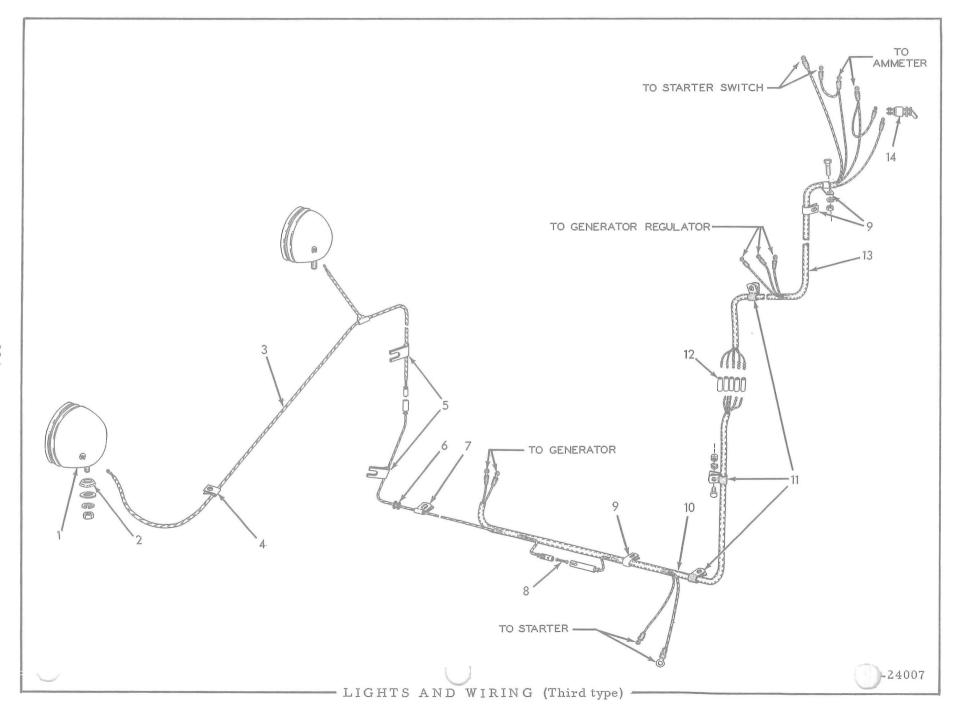
| ITEM     | PART NO.  | QTY.                  | DESCRIPTION   |
|----------|---|-----------------------|---|
| )        | 074388  | 2                     | LIGHT ASSEMBLY, head (See page 226 for parts)(Original equipment. Order LIGHT ASSEMBLY 638283, WASHER 075535, WASHER                    |
| 1        | 900817<br>904206<br>911026  | 2<br>2<br>2           | 900818, LOCKWASHER 904208 and NUT 911043) WASHER, plain, U.S. std., 3/8" LOCKWASHER, 3/8" NUT, 3/8"NC                                   |
|          | 097030  | 2                     | LIGHT ASSEMBLY, head (See page 227 for parts)(Used originally   |
|          | 900818<br>904208<br>911043  | 2<br>2<br>2           | for service replacement. Order LIGHT ASSEMBLY 638283) WASHER, plain, U.S. std., 1/2" LOCKWASHER, 1/2" NUT, 1/2"NF                       |
| 2        | 075853  | 2                     | WASHFR, head light mounting, upper  |
| 3        | 075854  | 2                     | WASHER, head light mounting, lower  |
| 4        | 087568<br>912301  | 2 2                   | CABLE, head light ground LOCKWASHER, external teeth, 3/8"   |
| 5        | 088540  | 1                     | CABLE, head light connecting  |
| 6        | 044810  | 1                     | GROMMET, wiring harness (rubber)  |
| 7        | 089306  | 1                     | CABLE, head light, rear section   |
| 8        | 048142  | 1                     | CONNECTOR, head light cable   |
| 9        | 089305  | 1                     | HARNESS, wiring   |
| 10       | 087424  | 1                     | HARNESS, ammeter to switch and regulator  |
| 11       | 083920  | 1                     | SWITCH (Includes mounting nuts)   |
| 1.2      | 079576  | 1                     | CABLE, wiring harness to switch   |
| 1.3      | 208960  | 1                     | FUSE, cartridge type, $1/4" \times 1-1/4"$ , 20 amperes   |
| 1.4      | 065953  | 4                     | CLIP, cable supporting (1/8" diam., 17/32" bolt-hole)   |
| 15       | 235794  | 3                     | CLIP, harness supporting (1/4" diam., 13/32" bolt-hole)   |
| 16<br>17 | $\left\{\begin{array}{c} 034632\\ 036032\\ 012992\\ 904206\\ 911041 \end{array}\right.$ | 4<br>1<br>1<br>2<br>1 | CLIP, harness supporting (5/16" diam., 13/32" bolt-hole) CAPSCREW, 3/8"NF x 3/4" CAPSCREW, 3/8"NF x 1-1/4" LOCKWASHER, 3/8" NUT, 3/8"NF |

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### LIGHTS AND WIRING

USAGE: Tractors serial No. 7978 thru serial No. 11093

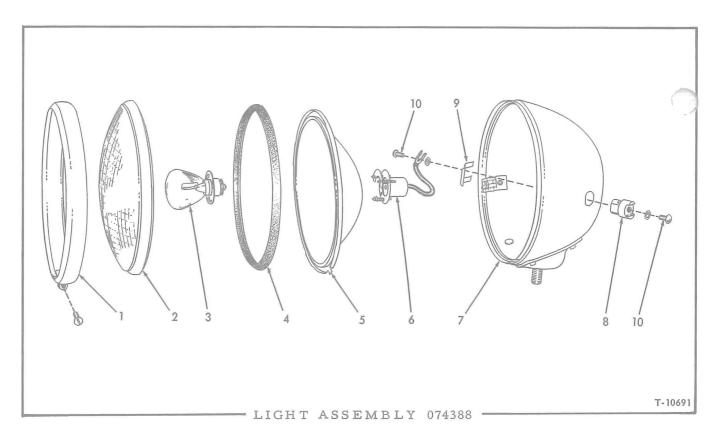
| ITFM | PART NO.         | QTY.   | DESCRIPTION   |
|------|------------------|--------|---|
|      | 074388           | 2      | LIGHT ASSEMBLY, head (See page 226 for parts)(Original equipment. (Order LIGHT ASSEMBLY 638283, WASHER 075535, WASHER 900818, LOCKWASHER 904208 and NUT 911043) |
|      | 900817           | 2      | WASHER, plain, U.S. std., 3/8"  |
| 1    | 904206<br>911026 | 2<br>2 | LOCKWASHER, 3/8" NUT, 3/8"NC  |
| 2    | 097030           | 2      | LIGHT ASSEMBLY, 9 head (See page 227 for parts) (Used originally for service replacement. Order LIGHT ASSEMBLY 638283)  |
|      | 900818           | 2      | WASHER, plain, U.S. std., 1/2"  |
|      | 904208<br>911043 | 2 2    | LOCKWASHER, 1/2" NUT, 1/2"NF  |
| 2    | 075853           | 2      | WASHER, head light mounting, upper  |
| 3    | 075854           | 2      | WASHER, head light mounting, lower  |
| 4    | 087568           | 2      | CABLE, head light ground  |
|      | 912301           | 2      | LOCKWASHER, external teeth, 3/8"  |
| 5    | 088540           | 1      | CABLE, head light connecting  |
| 6    | 044810           | 1      | GROMMET, main wiring harness (rubber)   |
| 7    | 208960           | 1      | FUSE, cartridge type, 1/4" x 1-1/4", 20 amperes   |
| 8    | 091820           | 1      | HARNESS, wiring, front section  |
| 9    | 048138           | 1      | CONNECTOR, wiring (6 line)  |
| )    | 048142           | 1      | CONNECTOR, wiring (2 line)  |
| 1.1  | 091669           | 1      | HARNESS, wiring, rear section   |
| 12   | 083920           | 1      | SWITCH (Includes mounting nuts)   |
| 1.3  | 040796           | 6      | CLIP, harness supporting (5/16" diam., 13/32" bolt-hole)  |
|      | 036032<br>904206 | 1<br>1 | CAPSCREW, 3/8"NF x 3/4" LOCKWASHER, 3/8"  |
|      | 911041           | 1      | NUT, 3/8"NF   |
| 1.4  | 066260           | 1      | CLIP, harness supporting (1/8" diam., 13/32" bolt-hole)   |
| 15   | 065953           | 2      | CLIP, harness supporting (1/8" diam., 17/32" bolt-hole)   |
| 16   | 235794           | 3      | CLIP, harness supporting (1/4" diam., 13/32" bolt-hole)   |



### LIGHTS AND WIRING

USAGE: Tractors serial No.11094 and up

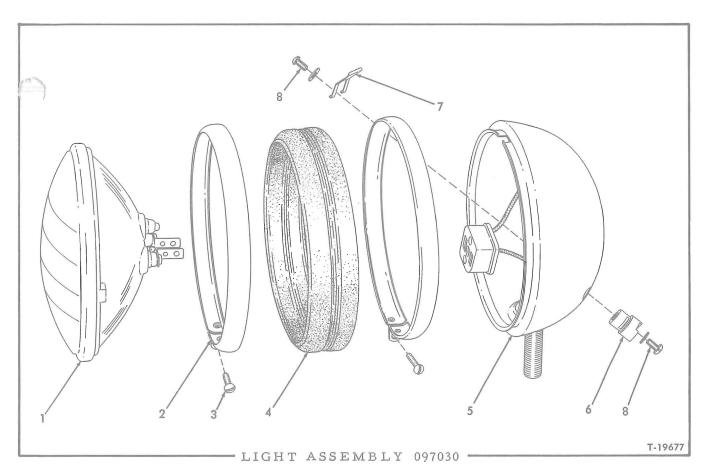
| ITFM | PART NO.                             | QTY.        | DESCRIPTION  |
|------|--------------------------------------|-------------|--|
| )    | 097030                               | 2           | LIGHT ASSEMBLY, head (See page 227 for parts)(Original equipment. Order LIGHT ASSEMBLY 638283)             |
| 1    | 638283                               | 2           | LIGHT ASSEMBLY, head (See page 228 for parts)(Service replacement)   |
|      | 900818<br>904208<br>911043           | 2<br>2<br>2 | WASHER, plain, U.S. std., 1/2" LOCKWASHER, 1/2" NUT, 1/2"NF  |
| 2    | 075535                               | 2           | WASHER, head light mounting  |
| 3    | 088540                               | 1           | CABLE, head light, front section   |
| 4    | 235794                               | 3           | CLIP, head light cable (1/4" diam., 13/32" bolt-hole)  |
| 5    | 098691                               | 2           | CLIP, head light cable (1/8" diam., 9/16" bolt-slot)   |
| 6    | 044810                               | 1           | GROMMET, head light cable  |
| 7    | 066260                               | 1           | CLIP, front wiring harness (1/8" diam., 13/32" bolt-hole)  |
| 8    | 208960                               | 1           | FUSE, cartridge type, 1/4" x 1-1/4", 20 amperes  |
| 9    | 040796<br>012992<br>904206<br>911041 | 3<br>1<br>1 | CLIP, wiring harness (3/8" diam., 13/32" bolt-hole) CAPSCREW, 3/8"NF x 1-1/4" LOCKWASHER, 3/8" NUT, 3/8"NF |
| 10   | 097860                               | 1           | HARNESS, wiring, front section   |
| - )  | 094527<br>036032<br>904206<br>911041 | 3<br>1<br>1 | CLIP, wiring harness (1/2" diam., 7/16" bolt-hole) CAPSCREW, 3/8"NF x 3/4" LOCKWASHER, 3/8" NUT, 3/8"NF    |
| 12   | 048142                               | 5           | CONNECTOR, wiring harness (1-line)   |
| 13   | 097839                               | 1           | HARNESS, wiring, rear section  |
| 14   | 083920                               | 1           | SWITCH ASSEMBLY (Includes mounting nuts)   |



USAGE: See pages 221, 223 and 254

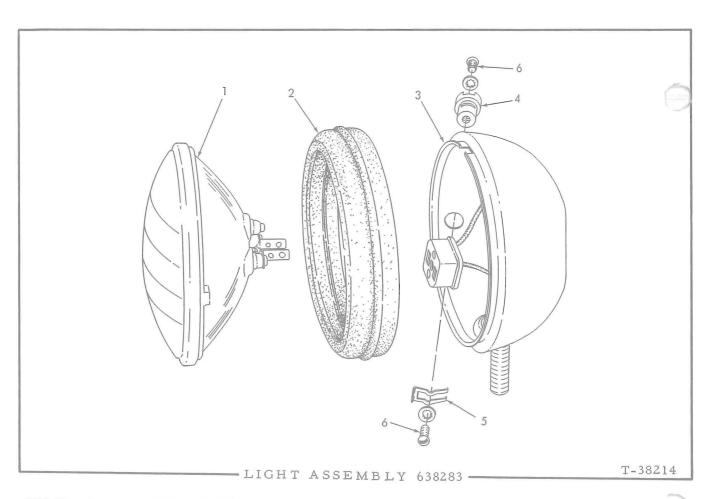
| ITEM | PART NO.         | QTY.   | DESCRIPTION  |
|------|------------------|--------|--|
|      |                  |        | NOTE: Quantities indicated are for one (1) light only. |
| 1    | 058827<br>915872 | 1<br>1 | MOLDING<br>SCREW, machine, brass, #8-32NC x 5/8"       |
| 2    |                  | 1      | LENS (glass)   |
| 3    | 074387           | 1      | BULB (Single contact, 32 c.p., 24 volt)                |
| 4    | 058828           | 1      | GASKET, lens   |
| 5    |                  | 1      | REFLECTOR ASSEMBLY (Includes item 4)                   |
| 6    | 058831           | 1      | WIRING ASSEMBLY (Includes socket)                      |
| 7    |                  | 1      | BODY   |
| 8    | 055589           | 1      | TERMINAL KIT (Includes items 9 and 10)                 |
| 9    | 048922           | 1      | SPRING, retaining, terminal bushing                    |
| 10   | 034076<br>912739 | 2 2    | SCREW, terminal LOCKWASHER, internal teeth, #8         |

NOTE: Items listed above without part number are no longer available. Replace entire unit with sealed-beam Light Assembly 638283.



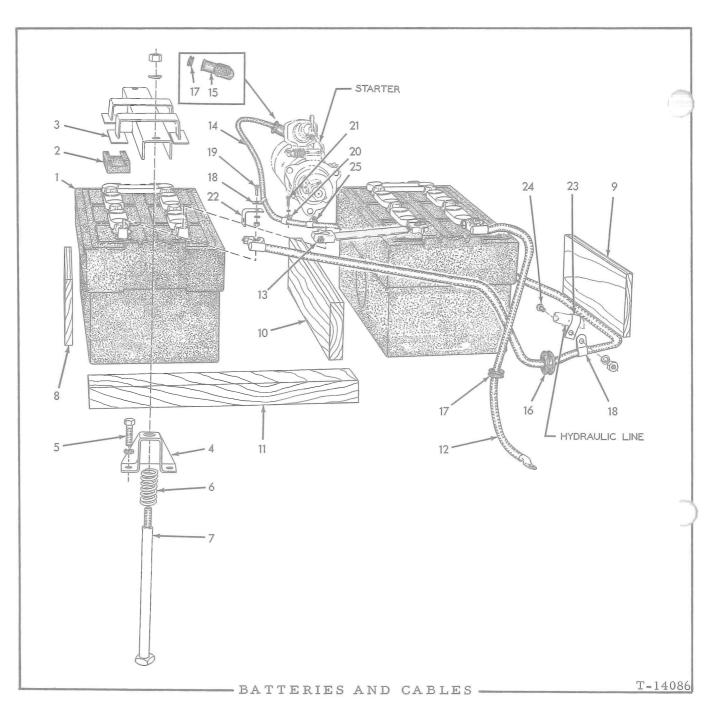
USAGE: See pages 221, 223, 225 254 and 256

| ILM PART NO. QTY. DESCRIPTION   |            |
|---|------------|
| IIIIII IIII IIV. XII. DIDUIII IIVII                                   |            |
| NOTE: Quantities indicated are for one (1) light only                 | T          |
| 1 182763 1 SEALED BEAM (24 volt)                                      |            |
| 2 097046 2 MOLDING  |            |
| 3 622729 2 SCREW, molding   |            |
| 4 097048 1 RING, cushion  |            |
| 5 1 BODY ASSEMBLY (Includes wiring. Not serviced se                   | eparately) |
| 6 055589 1 TERMINAL KIT (Includes items 7 and 8)                      |            |
| 7 048922 1 SPRING, retaining, terminal bushing                        |            |
| 8 034076 2 SCREW, terminal<br>912739 2 LOCKWASHER, internal teeth, #8 |            |



USAGE: See page 225 and 256

| ITEM | PART NO.                | QTY. | DESCRIPTION  |
|------|-------------------------|------|--|
|      |                         |      | NOTE: Quantities indicated are for one (1) Light only    |
| 1    | 182763                  | 1 '  | SEALED BEAM (24 volt)                                    |
| 2    | 638282                  | 1    | RING, cushion (rubber)                                   |
| 3    | COS POS COS CAS CAS AND | 1    | BODY ASSEMBLY (Includes wiring. Not serviced separately) |
| 4    | 055589                  | 1    | TERMINAL KIT (Includes items 5 and 6)                    |
| 5    | 048922                  | 1    | SPRING, retaining, terminal bushing                      |
| 6    | 034076<br>912739        | 2 2  | SCREW, terminal LOCKWASHER, internal teeth, #8           |



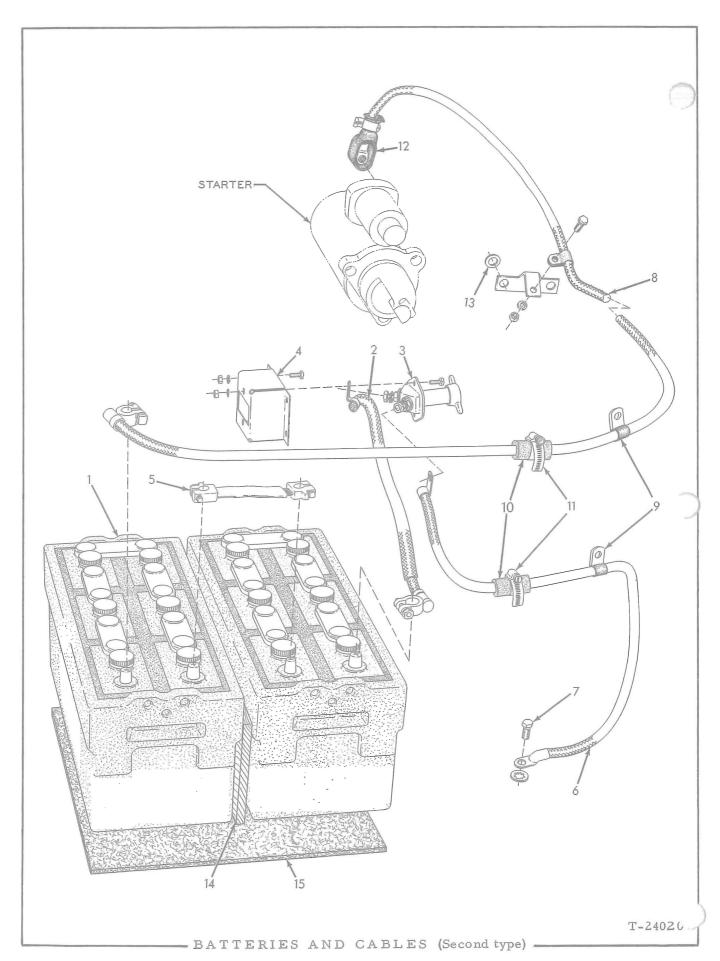
USAGE: Tractors prior to serial No. 11094

| ITEM   | PART NO.                                | QTY.        | DESCRIPTION  |
|--------|---|-------------|--|
| 1      |   | 2           | BATTERY, storage, 12 volts, 21 plates, wet charged (AUTO-LITE #4DA-155. Order from local dealer) |
| 2      | 052791                                  | 8           | BLOCK, hold-down (rubber)  |
| 3      | 093344                                  | 2           | HOLD-DOWN, battery   |
| 4<br>5 | 081867<br>035190<br>90 <del>4</del> 208 | 4<br>8<br>8 | BRACKET, hold-down bolt<br>CAPSCREW, 1/2"NC x 1-1/2"<br>LOCKWASHER, 1/2"                         |

(Continued)

### BATTERIES AND CABLES (Continued)

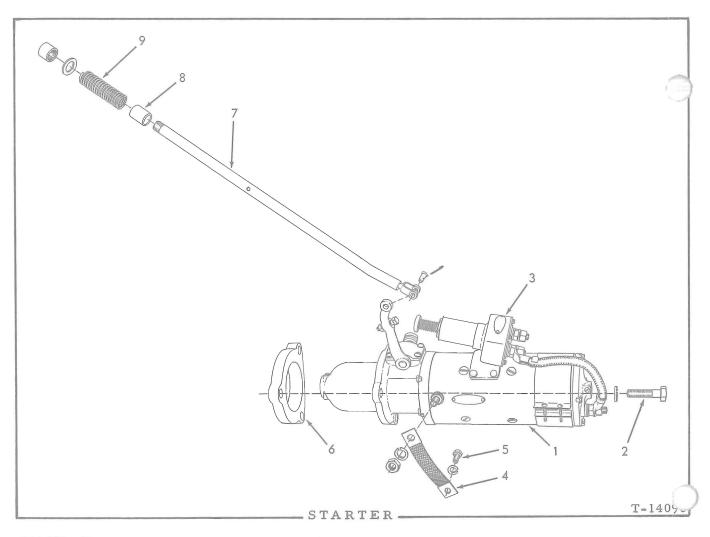
| ITEM     | PART NO.                             | QTY.             | DESCRIPTION   |
|----------|--------------------------------------|------------------|---|
| -        | 081404                               | 4                | SPRING, hold-down bolt  |
| 7        | 087313                               | 4                | BOLT, hold-down (13-1/2" long) (Used prior to tractor #8668)  |
| ( ~      | 093313                               | 4                | BOLT, hold-down (11-1/4" long) (Effective with tractor #8668)   |
|          | 904208<br>911043                     | 4<br>4           | LOCKWASHER, 1/2" NUT, 1/2"NF  |
| 8        | And the per both one and             | 1                | BOARD, battery side, outer (Procure locally)  |
| 9        | tion (and does here you give         | 1                | BOARD, battery side, inner (Procure locally)  |
| 10       | DOS - 000 - 000 - 000 - 000          | 1                | BOARD, battery side, center (Procure locally)   |
| 11       |                                      | 5                | BOARD, battery, bottom (Procure locally)  |
| 12       | 031719                               | 1                | CABLE, battery to ground (30" long)   |
| 13       | 644648                               | 1                | STRAP, battery connecting (6-1/2" long)   |
| 14       | 622064                               | 1                | CABLE, battery to starter (126-3/4" long)   |
| 15       | 076572                               | 1                | BOOT, protecting, starter terminal  |
| 16       | 029466                               | 1                | GROMMET, cable protecting (rubber)  |
| 17       | 040842                               | 2                | GROMMET, cable protecting (rubber)  |
| 18       | 091046<br>036032<br>904206<br>911041 | 4<br>2<br>2<br>1 | CLIP, cable supporting (1/2" diam., 7/16" bolt-hole) CAPSCREW, 3/8"NF x 3/4" LOCKWASHER, 3/8" NUT, 3/8"NF (Used prior to tractor #6831) |
| 20       | 048145                               | 3                | CLIP, cable supporting (1/2" diam., 17/32" bolt-hole,   |
| 21 -     | 035073                               | 2                | short type)  CAPSCREW, 1/2"NF x 1-3/4" (Used prior to tractor #8742)  CAPSCREW, 1/2"NF x 1-1/2" (Effective with                         |
|          | 904208<br>911043                     | 2 2              | tractor #8742) LOCKWASHER, 1/2" NUT, 1/2"NF (Used prior to tractor #8742)   |
| 22       | 088350                               | 1                | ANGLE, clip supporting (Used prior to tractor #6831)  |
| 23<br>24 | 055234<br>036032<br>904206<br>911041 | 1<br>1<br>1      | CLIP, cable supporting (3/4" diam., 13/32" bolt-hole) CAPSCREW, 3/8"NF x 3/4" LOCKWASHER, 3/8" NUT, 3/8"NF                              |
| 25       | 088622                               | 2                | CLIP, cable supporting (1/2" diam., 17/32" bolt-hole, long type)  |



### BATTERIES AND CABLES

USAGE: Tractors serial No. 11094 and up

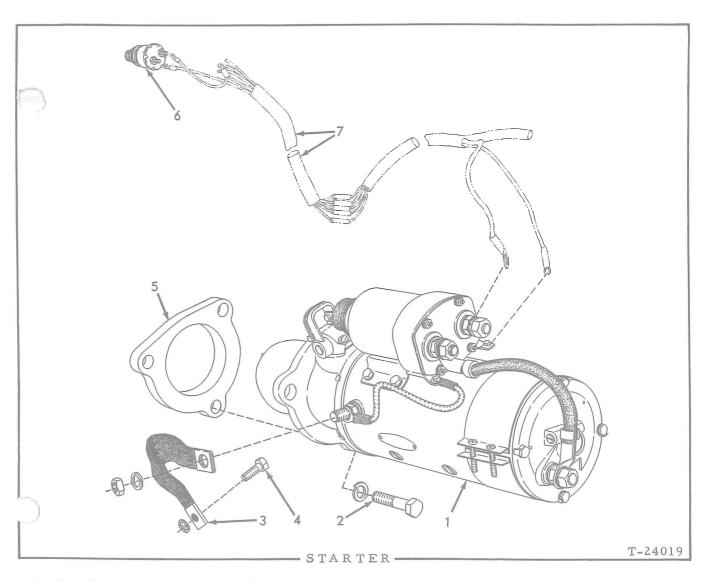
| ITEM   | PART NO.                                       | QTY.                    | DESCRIPTION  |
|--------|--|-------------------------|--|
| 1      | 80 50 50 50 50                                 | 2                       | BATTERY, storage, 12 volts, 21 plates (Autolite #4DA-155 or Exide 40-1133. Order from local dealer)    |
| 2      | 097873   | 1                       | CABLE, battery to master switch (17-3/4" long)   |
| 3      | 096908<br>914330<br>904204<br>911040           | 1<br>2<br>2<br>2        | SWITCH ASSEMBLY, master (Serviced only as a unit) CAPSCREW, 1/4"NF x 5/8" LOCKWASHER, 1/4" NUT, 1/4"NF |
| 4      | 098099<br>914330<br>904204<br>911040           | 1<br>4<br>4<br>4        | BOX, master switch CAPSCREW, 1/4"NF x 5/8" LOCKWASHER, 1/4" NUT, 1/4"NF                                |
| 5      | 638897   | 1                       | STRAP, battery connecting (5-3/4" long)  |
| 6<br>7 | 097609<br>036032<br>906960                     | 1<br>1<br>1             | CABLE, master switch to ground (33-1/4" long) CAPSCREW, 3/8"NF x 3/4" LOCKWASHER, internal teeth, 3/8" |
| 8      | 097874   | 1                       | CABLE, battery to starter (136" long)  |
| 9      | 094527<br>035979<br>036032<br>904206<br>911041 | 10<br>3<br>6<br>10<br>1 | CLIP, cable supporting CAPSCREW, 3/8"NF x 5/8" CAPSCREW, 3/8"NF x 3/4" LOCKWASHER, 3/8" NUT, 3/8"NF    |
| )0     | 097611   | 2                       | BOOT, cable protecting   |
| 11     | 921912   | 3                       | CLAMP, cable boot (1-1/16" to 2" diam.)  |
| 12     | 076572   | 1                       | BOOT, protecting, starter terminal   |
| 13     | 098460<br>910244                               | 1<br>2                  | BRACKET, starter cable clip<br>WASHER, plain, SAE std., 1/2"   |
| 14     | ******   | 1                       | BOARD, battery spacing (Procure locally. Not used with Exide batteries)                                |
| 15     | 620158   | 1                       | PAD, battery (felt)(Effective with tractor #12630)   |



USAGE: Tractors prior to serial No. 11094

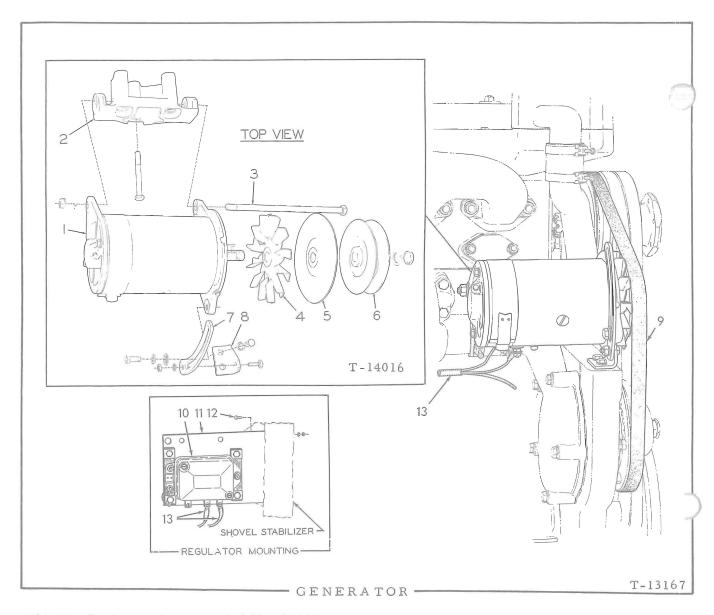
| TTEM | PART NO. | OTY. | DESCRIPTION |
|------|----------|------|-------------|
|      |          |      |             |

|        |                                      | >2 T T .    | DESCRIPTION   |
|--------|--------------------------------------|-------------|---|
| 1      | 086764                               | 1           | MOTOR, starting (DELCO-REMY #1113714. Was formerly #1109861. Order parts from local United                                  |
| 2      | 023755<br>904209                     | 3           | Motors Service agency) (Includes item 3) CAPSCREW, 5/8"NC x 2-1/4" LOCKWASHER, 5/8"   |
| 3      | 034924                               | 1           | SWITCH, starting motor (DELCO-REMY #1857074.<br>Was formerly #407C. Order parts from local<br>United Motors Service agency) |
| 4<br>5 | 089621<br>036032<br>904206           | 1<br>1<br>1 | STRAP, starter to ground CAPSCREW, 3/8"NF x 3/4" LOCKWASHER, 3/8"   |
| 6      | 4348140                              | 1           | ADAPTER, starting motor   |
| 7      | 087366<br>901752<br>917645<br>904001 | 1<br>1<br>1 | ROD, operating CAP, pipe, 3/8"NPT PIN, yoke, 5/16" diam. PIN, cotter, 3/32" x 1/2"  |
| 8      | 090489                               | 1           | SPACER, operating rod spring (Effective with tractor #2925)   |
| 9      | 090487<br>918748                     | 1<br>1      | SPRING, operating rod (Effective with tractor #2925) WASHER, plain, 23/32"I.D., 1-1/4"O.D., 1/16" thick                     |



USAGE: Tractors serial No. 11094 and up

| ITEM   | PART NO.                   | QTY.        | DESCRIPTION   |
|--------|----------------------------|-------------|---|
| 1      | 4387529                    | 1           | MOTOR, starting (Delco-Remy. Order parts from local United Motors Service agency) |
| 2      | 023755<br>904209           | 3           | CAPSCREW, 5/8"NC x 2-1/4" LOCKWASHER, 5/8"  |
| 3<br>4 | 089621<br>036032<br>906960 | 1<br>1<br>1 | STRAP, starter to ground CAPSCREW, 3/8"NF x 3/4" LOCKWASHER, int-tooth, 3/8"      |
| 5      | 4348140                    | 1           | ADAPTER, starting motor   |
| 6      | 4362868                    | 1           | SWITCH ASSEMBLY, push-button (Includes mounting nut)                              |
| 7      |                            | 1           | WIRING HARNESS (See LIGHTS AND WIRING)  |

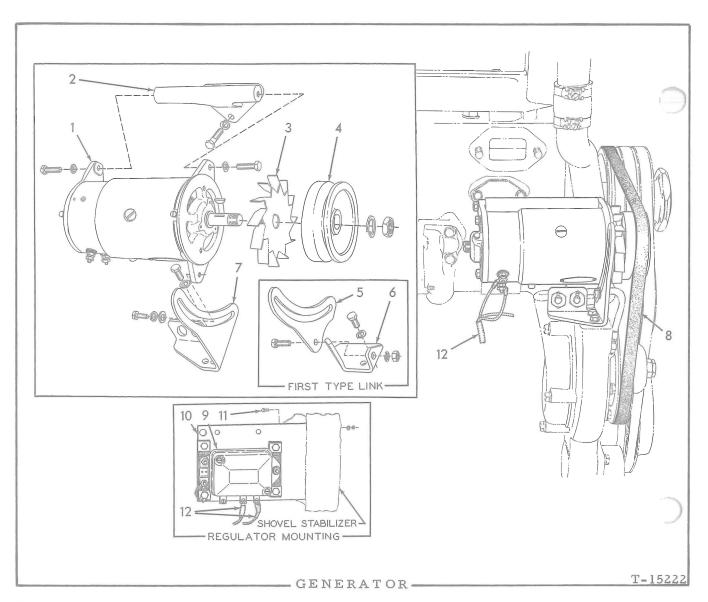


USAGE: Engines prior to serial No. 89347

|      | 8                           |             |  |
|------|-----------------------------|-------------|--|
| ITEM | PART NO.                    | QTY.        | DESCRIPTION  |
| 1    | 4348207                     | 1           | GENERATOR (Includes key, nut and washer for pulley)(DELCO-<br>REMY #1105976. Order parts from local United Motors Service<br>agency) |
| 2    | 4348145<br>906695<br>904206 | 1<br>3<br>3 | BRACKET, generator mounting CAPSCREW, 3/8"NC x 3-1/4" LOCKWASHER, 3/8"   |
| 3    | 4348276<br>904207<br>910986 | 1<br>1<br>1 | CAPSCREW, generator hinge (7/16"NF x 8-5/8")<br>LOCKWASHER, 7/16"<br>NUT, 7/16"NF  |
|      | (                           | 1           | FAN, generator cooling (Original equipment. Order FAN 4374148)   |
| 4    | 4374148                     | 1           | FAN, generator cooling (Service replacement. Includes integral baffle)(Not illustrated)  |
| 5    |                             | 1           | BAFFLE, generator cooling fan (Not used with FAN 4374148)  |
|      |                             |             | (Continued)  |
|      |                             |             |  |

## GENERATOR (Continued)

| ITEM     | PART NO.  | QTY.                  | DESCRIPTION   |
|----------|---|-----------------------|---|
| 1        | 4347998   | 1                     | PULLEY  |
| c'       | 4348163<br>915408<br>904206<br>900817<br>914392<br>904205<br>911025 | 1<br>1<br>1<br>1<br>1 | LINK, belt adjustment  CAPSCREW, 3/8"NC x 3/4"  LOCKWASHER, 3/8"  WASHER, plain, U.S. std., 3/8"  CAPSCREW, 5/16"NC x 1"  LOCKWASHER, 5/16"  NUT, 5/16"NC |
| 8        | 903771<br>904205  | 1<br>2<br>2           | BRACKET, belt adjustment link (Order BRACKET 089644)<br>CAPSCREW, 5/16"NC x 7/8"<br>LOCKWASHER, 5/16"   |
| 9        | 4348851   | 1                     | BELT, generator and water pump  |
| 10       | 184376<br>912178<br>904204<br>911040                                | 1<br>4<br>4<br>4      | REGULATOR, voltage and current CAPSCREW, 1/4"NF x 1-1/2" LOCKWASHER, 1/4" NUT, 1/4"NF   |
| 11<br>12 | 091779<br>036032<br>904206<br>911041                                | 1<br>2<br>2<br>1      | BRACKET, regulator mounting CAPSCREW, 3/8"NF x 3/4" LOCKWASHER, 3/8" NUT, 3/8"NF  |
| 13       |   | 1                     | HARNESS, generator to regulator (See LIGHTS AND WIRING)   |



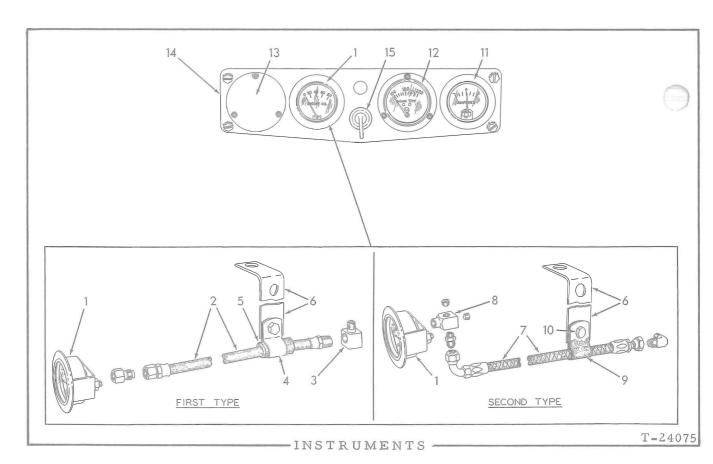
USAGE: Engines serial No. 89347 and up

| ITEM | PART NO. QTY                      | DESCRIPTION  |
|------|-----------------------------------|--|
| 1    | 4336809 1                         | GENERATOR (10 amp. Includes key, nut and washer for pulley)(DELCO-REMY. Order parts from local United Motors Service agency) |
|      | 905662 2                          | CAPSCREW, 5/16"NC x 1-1/8"   |
|      | 905662 2<br>904205 2              | CALBOREW, 5/10 NC X 1-1/8.   |
|      | 70 1205 2                         | LOCKWASHER, 5/16"  |
| 2    | 4348609 1<br>903632 3<br>904206 3 | BRACKET, generator mounting CAPSCREW, 3/8"NC x 1-1/2" LOCKWASHER, 3/8"   |
| 3    | 4502638 1                         | FAN, generator cooling   |
| 4    | 4348619 1                         | PULLEY (5" diam.) (Used prior to engine #6-10368)  |
| -    | 4349676 1                         | PULLEY (4-1/8" diam.)(Effective with engine #6-10368)  |
|      |                                   |  |

### GENERATOR (Continued)

# ITEM PART NO. QTY. DESCRIPTION

| (  |  | I                | LINK, belt adjustment (Used prior to engine #95456. Order item 7)   |
|----|--|------------------|---|
|    | 915809<br>914392<br>901165<br>904205<br>911025 | 1<br>1<br>2<br>1 | CAPSCREW, 5/16"NC x 3/4" CAPSCREW, 5/16"NC x 1" WASHER, plain, U.S. std., 5/16" LOCKWASHER, 5/16" NUT, 5/16"NC                        |
| 6  | 089644   | 1                | BRACKET, belt adjustment link (also serves as support for fan belt tightener lubricating hose) (Used prior to engine #95456)          |
|    | 903771<br>904205                               | 2<br>2           | CAPSCREW, 5/16"NC x 7/8"<br>LOCKWASHER, 5/16"   |
| 7  | 4335182  | 1                | LINK, belt adjustment (also serves as support for water pump and fan belt tightener lubricating hoses) (Effective with engine #95456) |
|    | 903771   | 2                | CAPSCREW, 5/16"NC x 7/8"  |
|    | 915809   | 1                | CAPSCREW, 5/16"NC x 3/4"  |
|    | 904205   | 3                | LOCKWASHER, 5/16"   |
|    | 901165   | 1                | WASHER, plain, U.S. std., 5/16"   |
| 0  | 4348851  | 1                | BELT, generator and water pump (Used prior to engine #6-10368)  |
| 8  | 4349729  | 1                | BELT, generator and water pump (Effective with engine #6-10368)   |
| 9  | 090048   | 1                | REGULATOR, voltage and current (DELCO-REMY #1119164. Order parts from local United Motors Service agency)                             |
|    | 912178   | 4                | CAPSCREW, 1/4"NF x 1-1/2"   |
|    | 904204   | 4                | LOCKWASHER, 1/4"  |
|    | 911040   | 4                | NUT, 1/4"NF   |
| 10 | 091779   | 1                | BRACKET, regulator mounting   |
| 11 | 036032   | 2                | CAPSCREW, 3/8"NF x 3/4"   |
|    | 904206   | 2                | LOCKWASHER, 3/8"  |
|    | 911041   | 2                | NUT, 3/8"NF   |
| 12 |  | 1                | HARNESS, generator to regulator (See LIGHTS AND WIRING)   |



USAGE: Tractors prior to serial No. 11094

907859

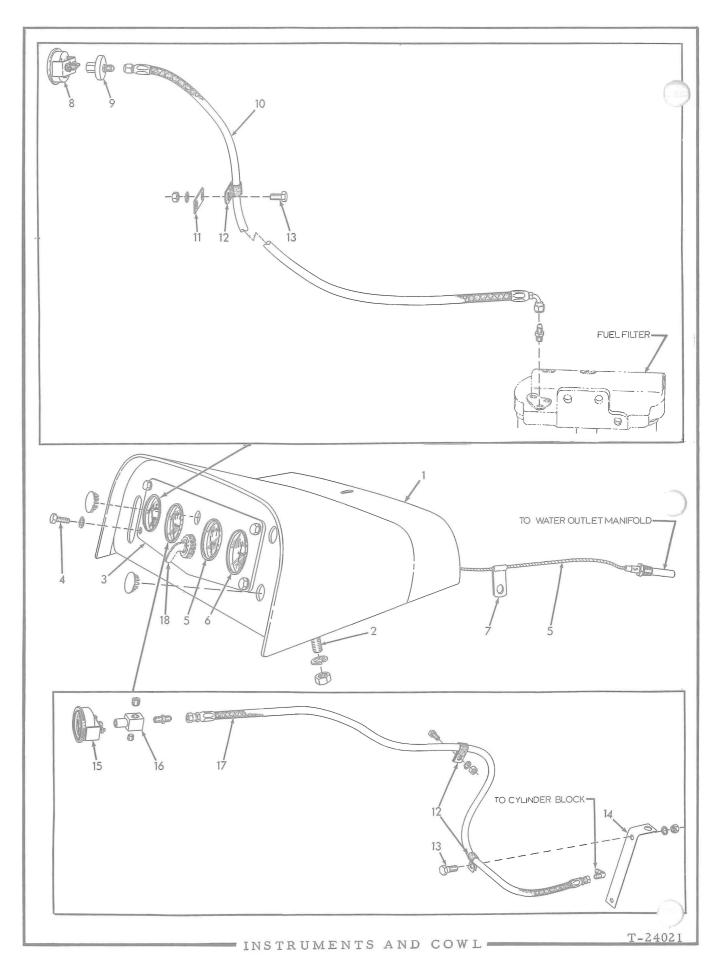
\*\* Tractors serial No. 9157 thru 11093. QTY. ITEM PART NO. \* \*\* DESCRIPTION 1 091585 GAUGE, engine oil pressure (Includes mounting clamp) 1 2 088471 1 HOSE, oil pressure gauge 913036 CONNECTOR, flare type, 1/4" tube, 1/8"NPT female 3 047852 1 ELBOW, oil pressure gauge hose (Not used on tractors equipped with Heavy-Duty Oil Filter) 076498 1 CLIP, hose supporting (11/16" diam., 13/32" bolt-hole) 5 086793 SLEEVE, hose protecting (rubber) 6 088435 1 BRACKET, hose supporting 094674 HOSE ASSEMBLY, oil pressure gauge (See page 6 1 for parts) CONNECTOR, flare type, 1/4" tube, 1/8"NPT male ELBOW, flare type, 90°, 1/4" tube, 1/8"NPT male 919171 919173 1 (Not used on tractors equipped with Heavy-Duty Oil Filter) 8 094450 TEE, oil gauge line 910231 7 PLUG, pipe, hex-socket-hd., 1/8"NPT

\* Tractors prior to serial No. 9157.

PLUG, pipe, hex-socket-hd., 1/4"NPT

### INSTRUMENTS (Continued)

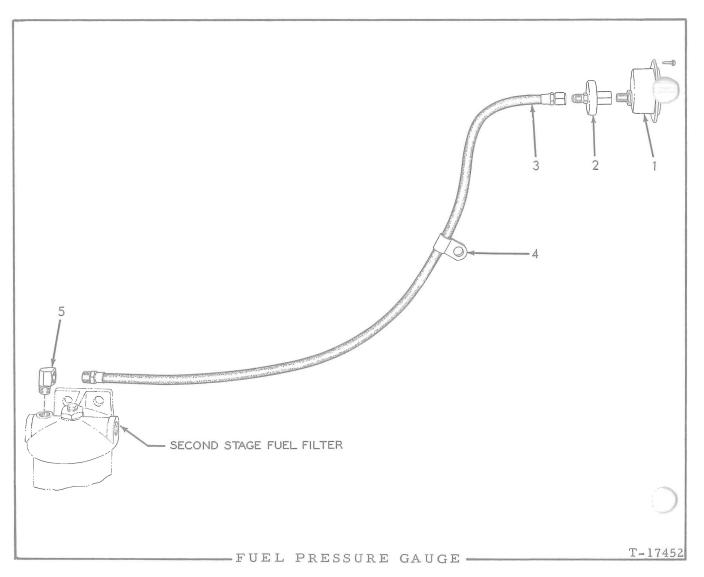
|      |                                      | Q:  | ΓY. |  |
|------|--------------------------------------|-----|-----|--|
| ITEM | PART NO.                             | 2/4 | **  | DESCRIPTION  |
|      | 094527<br>036032<br>904206<br>911041 |     | 1   | CLIP, hose supporting CAPSCREW, 3/8"NF x 3/4" LOCKWASHER, 3/8" NUT, 3/8"NF         |
| 11   | 091588                               | 1   | 1   | AMMETER (Includes mounting clamp)  |
|      |                                      | 1   | 1   | GAUGE, engine temperature (Used prior to tractor #9757.<br>Order GAUGE 091587)     |
| 12 ≺ | 918210                               |     | 3   | SCREW, thread-cutting, #6 x 1/2" (Includes lock-washer)                            |
| 14   | 630792                               | -   | 1   | GAUGE, engine temperature (Includes mounting clamp) (Effective with tractor #9757) |
| 13   | 050751                               | 1   | 1   | COVER, instrument hole   |
|      | 918210                               | 3   | 3   | SCREW, thread-cutting, #6 x 1/2" (Includes lockwasher)                             |
| 14   |                                      |     |     | PLATE, instrument mounting   |
|      | 917803                               | 4   | 4   | SCREW, thread-cutting, hex-hd., 1/4"NC x 5/8" (Includes lockwasher)                |
| 15   | Drift Rive 4440 6222 6242 5242       | 1   | 1   | SWITCH (See LIGHTS AND WIRING)   |



#### INSTRUMENTS AND COWL

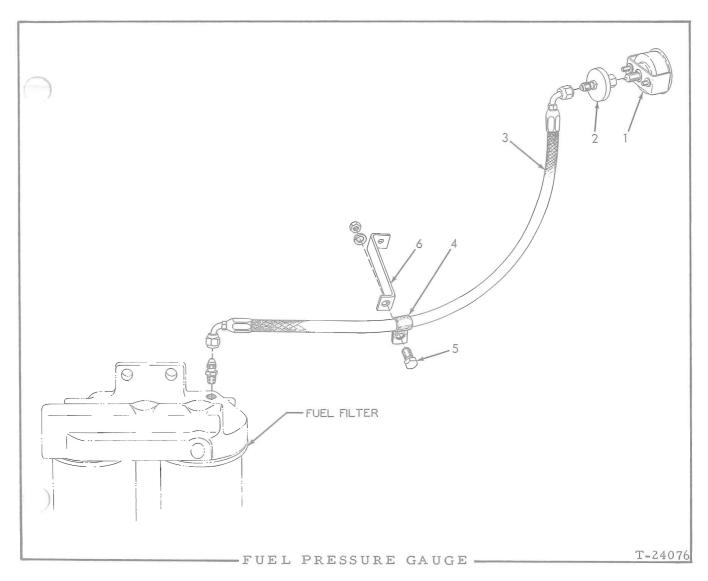
USAGE: Tractors serial No. 11094 and up

| ITFM          | PART NO.   | QTY.                  | DESCRIPTION  |
|---------------|--|-----------------------|--|
| 2             | 628447<br>921113<br>012992<br>044973<br>904206<br>911041 | 1<br>1<br>4<br>4<br>4 | PLUG, button, chrome plated, 11/16" hole-diam. CAPSCREW, 3/8"NF x 1-1/4" WASHER, plain LOCKWASHER, 3/8" NUT, 3/8"NF  |
| 3             | 087245<br>921113<br>907727<br>909367                     | 1<br>1<br>4<br>4      | PLATE, instrument mounting PLUG, button, chrome plated, 11/16" hole-diam. CAPSCREW, cd-pltd., 1/4"NC x 5/8" LOCKWASHER, int-tooth, cd-pltd., 1/4"  |
| 5             | 638959   | 1                     | GAUGE, engine temperature (Includes mounting clamp)  |
| 6             | 091588   | 1                     | AMMETER (Includes mounting clamp)  |
| 7             | 077341   | 1                     | CLIP, temperature gauge tube   |
| 8             | 091589   | 1                     | GAUGE, fuel pressure (Includes mounting clamp)   |
| 9             | 088534   | 1                     | RESTRICTOR, fuel pressure gauge line   |
| 10            | 094858<br>919171   | 1                     | HOSE ASSEMBLY, fuel pressure gauge (See page 6 for parts) CONNECTOR, flare type, 1/4" tube, 1/8"NPT male   |
| 11            | 098108   | 1                     | CLIP, supporting, fuel pressure gauge hose   |
| 12<br>13<br>) | 094527<br>036032<br>904206<br>911041                     | 3<br>3<br>3<br>3      | CLIP, hose supporting CAPSCREW, 3/8"NF x 3/4" LOCKWASHER, 3/8" NUT, 3/8"NF   |
| 14            | 088435   | 1                     | BRACKET, supporting, oil pressure gauge hose   |
| 15            | 091585   | 1                     | GAUGE, engine oil pressure (Includes mounting clamp)   |
| 16            | 094450<br>910231<br>907859                               | 1<br>1<br>1           | TEE, oil gauge line PLUG, pipe, hex-socket-hd., 1/8"NPT PLUG, pipe, hex-socket-hd., 1/4"NPT  |
| 17            | 097864<br>919171<br>919173                               | I<br>I                | HOSE ASSEMBLY, oil pressure gauge (See page 6 for parts) CONNECTOR, flare type, 1/4" tube, 1/8"NPT male (1 additional used on tractors equipped with Heavy-Duty Oil Filter) ELBOW, flare type, 90°, 1/4" tube, 1/8"NPT male (Not used on tractors equipped with Heavy-Duty Oil Filter) |
| 18            |  | 1                     | SWITCH (See LIGHTS AND WIRING)   |



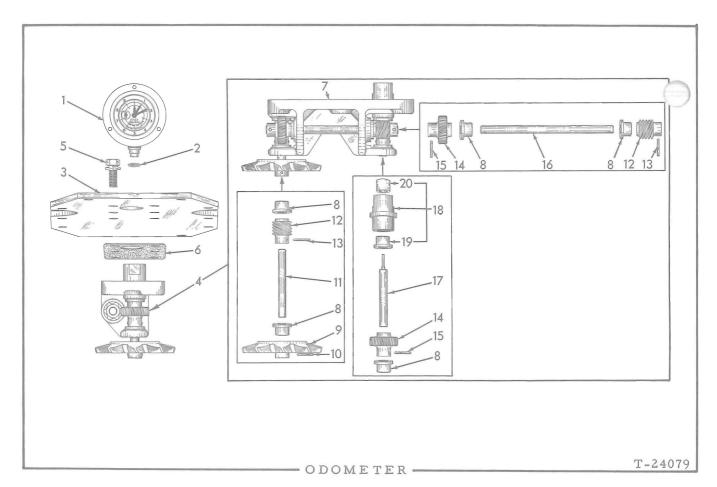
USAGE: Special equipment on tractors prior to serial No. 9157 prior to serial

| ITEM | PART NO. | QTY. | DESCRIPTION  |
|------|----------|------|--|
| 1    | 918210   | 1 3  | GAUGE, fuel pressure (Order GAUGE 091589)<br>SCREW, thread-cutting, #6 x 1/2" (Includes<br>lockwasher) |
| 2    | 088534   | 1    | RESTRICTOR, pressure gauge line  |
| 3    | 088535   | 1    | HOSE   |
| 4    | 033043   | 2    | CLIP, hose supporting  |
| 5    | 078926   | 1    | ELBOW (90°, 1/4"NPT male and female)   |



USAGE: Special equipment on tractors serial No. 9157 thru 11093. See INSTRUMENTS AND COWL for pressure gauge which is standard equipment on later units.

| ITEM   | PART NO. QTY.                                | DESCRIPTION   |
|--------|--|---|
| 1      | 091589 1                                     | GAUGE, fuel pressure (Includes mounting clamp)                                      |
| 2      | 088534 1                                     | RESTRICTOR, pressure gauge line   |
| 3      | 095865 1<br>919171 1                         | HOSE ASSEMBLY (See page 6 for parts) CONNECTOR, flare type, 1/4" tube, 1/8"NPT male |
| 4<br>5 | 094527 1<br>036032 1<br>904206 1<br>911041 1 | CLIP, hose supporting CAPSCREW, 3/8"NF x 3/4" LOCKWASHER, 3/8" NUT, 3/8"NF          |
| 6      | 095861 1                                     | BRACKET, hose supporting  |



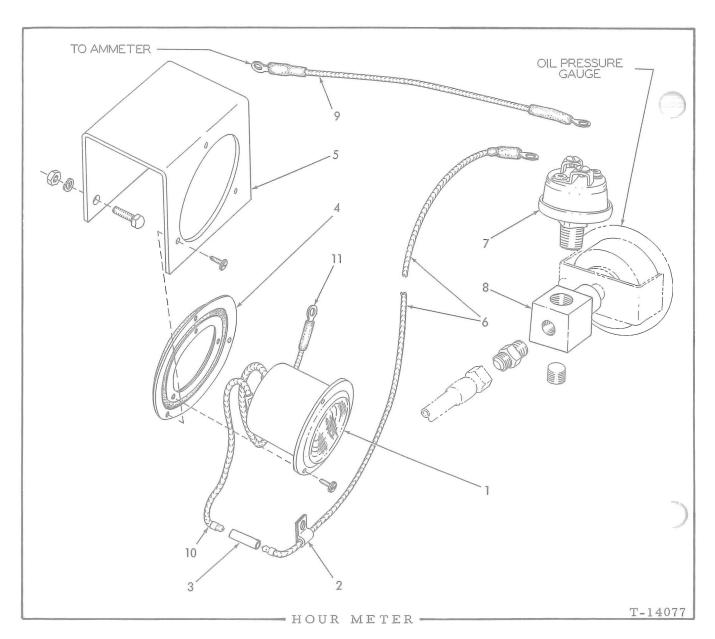
USAGE: Special equipment

| 0 022 01 | a. special od                                  | arpinone    | )   |  |
|----------|--|-------------|---|--|
| ITEM     | PART NO.                                       | QTY.        | DESCRIPTION   |  |
| 1        | S 047678                                       | 1           | ODOMETER (Registers miles. Serviced only as a unit)   |  |
| 1 1      | $ \begin{cases} 047678 \\ 057784 \end{cases} $ | 1           | ODOMETER (Registers kilometers. Serviced only as a unit)  |  |
| 2        | 630785   | 1           | WASHER, spacing   |  |
| 3        | cho mio peo peo del dell                       | 1           | COVER, bevel gear compartment, top (Replaces standard cover) (Discontinued)                       |  |
| 4<br>5   | 035439<br>904206                               | 1<br>6<br>6 | DRIVE ASSEMBLY (Consists of items 7 thru 20)(Discontinued) CAPSCREW, 3/8"NC x 1" LOCKWASHER, 3/8" |  |
| 6        |  | 1           | GASKET, odometer drive to cover (Discontinued)  |  |
| 7        | CO) and Gare was state party                   | 1           | BRACKET ASSEMBLY, odometer drive (Includes item 8)(Discontinued                                   |  |
| 8        | 047673   | 5           | BUSHING, drive bracket  |  |
| 9<br>10  | GO DO DO DO DO DO                              | 1<br>1      | GEAR, bevel (9 teeth) PIN, straight (3/16" x 3/4")  |  |
| 11       | tion only days tags comp                       | 1           | SHAFT, bevel gear (3-1/8" long) Discontinued)   |  |
| 12<br>13 |  | 2 2         | GEAR, worm PIN, straight, (3/16" x 3/4")  |  |

(Continued)

## ODOMETER (Continued)

| ITEM | PART NO.                | QTY.   | DESCRIPTION   |              |
|------|-------------------------|--------|---|--------------|
| 14   |                         | 2<br>2 | GEAR, helical (27 teeth) PIN, straight (3/16" x 3/4") |              |
| 16   |                         | 1      | SHAFT, intermediate (6-1/8" long)                     | Discontinued |
| 17   |                         | 1      | SHAFT, odometer driving                               |              |
| 18   |                         | 1      | ADAPTER ASSEMBLY (Includes items 19 and 20)           |              |
| 19   | 047673                  | 1      | BUSHING, adapter                                      |              |
| 20   | one was too and the com | 1      | PACKING, driving shaft (Discontinued)                 |              |



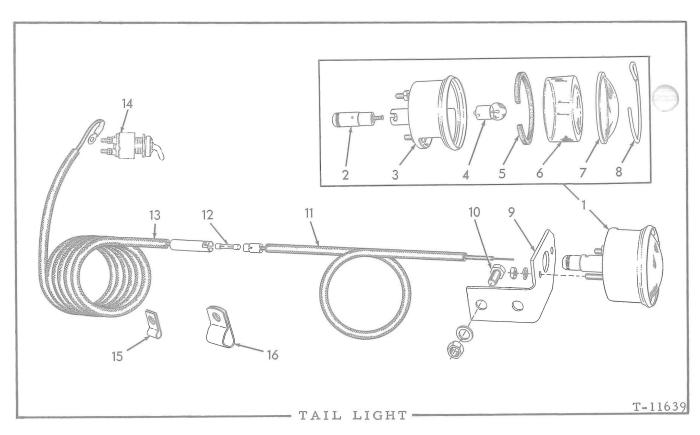
USAGE: Special equipment

| ITEM | PART NO.         | QTY. | DESCRIPTION  |
|------|------------------|------|--|
| 1    | 650299<br>918210 | 1 3  | METER, hour (24 volt)(See note below) SCREW, thread-cutting, #6 x 1/2" (Includes lockwasher) |
| 2    | 040338           | 1    | CLIP, cable (3/8" diam., 9/32" bolt-hole)(Used on early units only)                          |
| 3    | 048142           | 1    | CONNECTOR, meter cable   |
| 4    | 066467<br>918210 | 1 3  | DAMPER, vibration<br>SCREW, thread-cutting, #6 x 1/2" (Includes lockwasher)                  |

NOTE: "Stewart-Warner" Meter carries manufacturer's warranty and in case of failure should be returned direct to John W. Hobbs Corporation, Springfield, Illinois for repairs.

## HOUR METER (Continued)

| ITEM | PART NO.                             | QTY.             | DESCRIPTION  |
|------|--------------------------------------|------------------|--|
| 5    | 088661<br>912789<br>904204<br>911040 | 1<br>2<br>2<br>2 | BRACKET, mounting CAPSCREW, 1/4"NF x 3/4" LOCKWASHER, 1/4" NUT, 1/4"NF   |
| 6    | 099219                               | I                | CABLE, meter to pressure switch (28" long)   |
| 7    | 050288                               | 1                | SWITCH, pressure   |
| 8 7  | 901703<br>901825<br>907058<br>910141 | 1<br>2<br>1<br>1 | TEE, pipe, 1/4"NPT (Used prior to tractor #9157) BUSHING, pipe reducing, 1/4"NPT to 1/8"NPT ELBOW, street, 45°, 1/4"NPT CONNECTOR, 45° flare type, 1/4" tube, 1/8"NPT male |
|      | 094450<br>919171<br>910231           | 1<br>1<br>1      | TEE, pressure switch connection (Effective with tractor #9157) CONNECTOR, 37° flare type, 1/4" tube, 1/8NPT male PLUG, pipe, hex-socket-hd., 1/8"NPT                       |
| 9    | 050327                               | 1                | CABLE, pressure switch to ammeter (8" long)  |
|      |                                      |                  | NOTE: Items listed below are for the late type service replacement meter only which uses detachable cables.  |
| 10   | 631639                               | 1                | CABLE, meter connecting (7-1/2" long)  |
| 11   | 630917                               | 1                | CABLE, meter to ground (8" long)   |



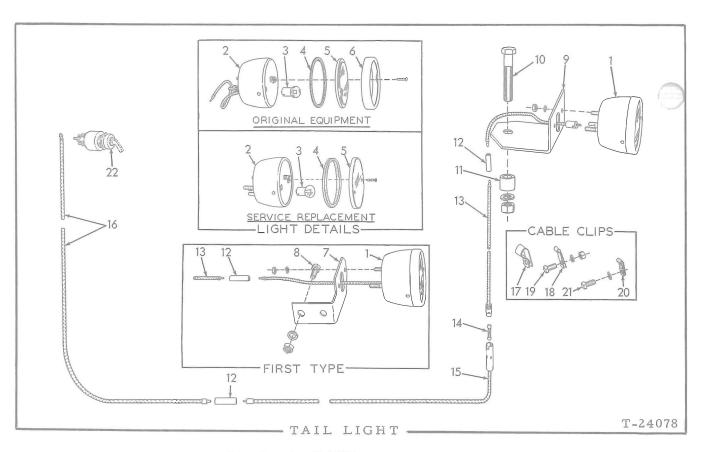
USAGE: Special equipment. Used prior to April 1956

| ITEM    | PART NO.                             | QTY.             | DESCRIPTION  |
|---------|--------------------------------------|------------------|--|
| 1       | that dath that that the post         | 1                | LIGHT ASSEMBLY, tail (Consists of items 2 thru 8) (Order LIGHT ASSEMBLY 630147 and CABLE ASSEMBLY 6301 |
|         | 911040<br>904204                     | 2 2              | NUT, 1/4"NF<br>LOCKWASHER, 1/4"  |
| 2       | 047307                               | 1                | PLUG, cable connecting   |
| 3       |                                      | 1                | BODY, tail light (Furnished only as part of item 1)  |
| 4       | 074452                               | 1                | BULB, incandescent, single contact, 6 c.p., 24 volt  |
| 5       | 043713                               | 1                | GASKET, glass cup  |
| 6       | 043716                               | 1                | CUP, glass   |
| 7       | 034014                               | 1                | LENS, glass (red)  |
| 8       | 212758                               | 1                | RING, snap, lens retaining   |
| 9<br>10 | 090919<br>036034<br>904206<br>911041 | 1<br>2<br>2<br>2 | BRACKET, tail light mounting CAPSCREW, 3/8"NF x 1" LOCKWASHER, 3/8" NUT, 3/8"NF                        |
| 11      | 087079                               | 1                | CABLE, rear section (32" long)   |
| 12      | 208960                               | 7                | FUSE, cartridge type, 1/4" x 1-1/4", 20 amperes  |

## TAIL LIGHT (Continued)

## ITEM PART NO. QTY. DESCRIPTION

| 13 | 085412                               | 1           | CABLE, front section (70" long)   |
|----|--------------------------------------|-------------|---|
| 14 |                                      | 1           | SWITCH (See LIGHTS AND WIRING)  |
| 15 | 077341<br>036032<br>904206<br>911041 | 1<br>1<br>1 | CLIP, front cable (1/4" diam., 13/32" bolt-hole) CAPSCREW, 3/8"NF x 3/4" LOCKWASHER, 3/8" NUT, 3/8"NF |
|    | 206592                               | 1           | CLAMP, front cable (1/4" diam., 9/32" bolt-hole)  |
|    | 091046                               | 1           | CLIP, cable (1/2" diam., 7/16" bolt-hole)   |
| 16 | 050721                               | 3           | CLIP, cable and fuel tubes (for two 3/8" diam. lines and one 1/4" diam. line, 7/16" bolt-hole)        |



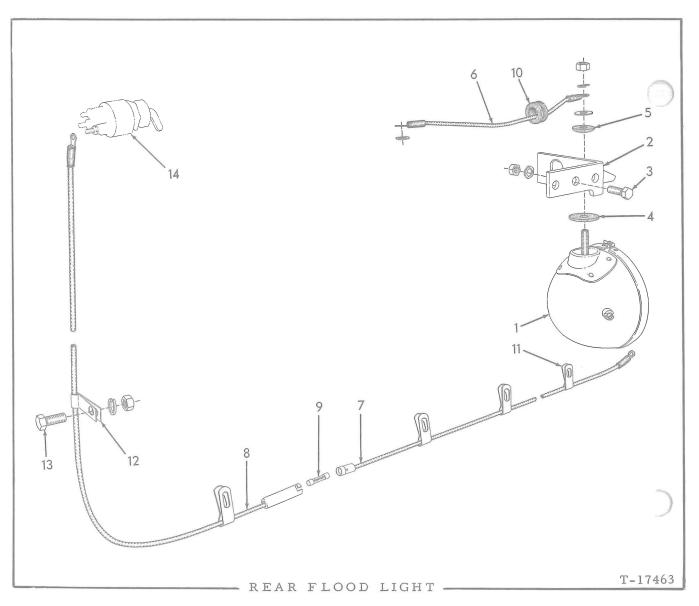
USAGE: Special equipment. Effective April 1956

\* Used prior to tractor serial No. 11094 \*\* Effective with tractor serial No. 11094

| 7.00.70 |     |                  |     | TY.    | DESCRIPTION  |
|---------|-----|------------------|-----|--------|--|
| LLE     | M   | PART NO.         | *   | 本本     | DESCRIPTION  |
| 1       | . { |                  | 1   | 1      | LIGHT ASSEMBLY (Consists of items 2 thru 6)(Original equipment. Order LIGHT ASSEMBLY 630147 and CABLE ASSEMBLY 630148)  LIGHT ASSEMBLY (Consists of items 2 thru 5)(Service replacement) |
|         |     | 630147           | 1   | 1      | LIGHT ASSEMBLY (Consists of items 2 thru 5)(Service replacement)   |
|         |     | 904204<br>911024 | 2 2 | 2      | LOCKWASHER, 1/4" NUT, 1/4"NC   |
| 2       | 2   |                  | 1   | 1      | BODY ASSEMBLY (Not serviced separately)  |
| 2       | 3   | 074452           | 1   | 1      | BULB, incandescent, single contact, 6 c.p., 24 volt  |
|         |     | 068399           | 1   | 1      | GASKET, tail light lens (1/16" thick)(Original equipment) GASKET, tail light lens (3/16" thick)(For service replacment light   |
| 4       | 4 { | 629189           | 1   | 1      | GASKET, tail light lens (3/16" thick)(For service replacment light only)   |
|         |     | 068405           | 1   | 1      | LENS, tail light (3-1/2" O.D.)(Original equipment)   |
| Ē       | 5   | 629188<br>917883 | 1 2 | 1<br>2 | LENS, tail light (3-1/2" O.D.)(Original equipment)  LENS, tail light (3-11/16" O.D)  SCREW, thread-cutting, rd-hd., #8 x 5/8"  For service replacement light only                        |
| (       | Ó   | 068404<br>917883 | 1 2 | 1 2    | DOOR, tail light SCREW, thread-cutting, rd-hd., #8 x 5/8" } Original equipment   |

# TAIL LIGHT (Continued)

| ITEM PART NO.                              | QTY.<br>* **      | DESCRIPTION   |
|--|-------------------|---|
| 090919                                     | 1 -               | BRACKET, tail light mounting (Used prior to tractor #9157)  |
| 095030                                     | l -               | BRACKET, tail light mounting (Effective with tractor #9157)   |
| 8 036034<br>904206<br>911041               | 2 - 2 - 2         | CAPSCREW, 3/8"NF x 1" LOCKWASHER, 3/8" NUT, 3/8"NF  |
| 9 067110<br>10 066862<br>904209<br>911044  | - 1<br>- 1<br>- 1 | BRACKET, tail light mounting CAPSCREW, 5/8"NF x 4" LOCKWASHER, 5/8" NUT, 5/8"NF   |
| 11 067112                                  | - 1               | BLOCK, spacing, mounting bracket  |
| 12 048142                                  | 1 2               | CONNECTOR, cable  |
| 13 ( 089291                                | 1 -               | CABLE, rear section (35" long)  |
| 098536                                     | <b>-</b> 1        | CABLE, rear section (17-1/2" long)  |
| 14: 208960                                 | 1 1               | FUSE, cartridge type, $1/4" \times 1-1/4"$ , 20 amperes   |
| 15 \ 085412                                | 1 -               | CABLE, front section (70" long)   |
| 641716                                     | - 1               | CABLE, intermediate section (46" long)  |
| 16 641732                                  | <u>1</u>          | CABLE, front section (66" long)   |
| 050721                                     | 3 -               | CLIP, cable and fuel tubes (For two 3/8" diam. lines and one 1/4" diam. line, 7/16" bolt-hole)(Used prior to tractor #9157) |
| 18 073809<br>19 036032<br>904206<br>911041 | 6 -<br>1 -<br>1 - | CLIP, front cable (3/16" diam., 13/32" bolt-hole) CAPSCREW, 3/8"NF x 3/4" LOCKWASHER, 3/8" NUT, 3/8"NF                      |
| 20 073809<br>21 035979<br>904206           | - 9<br>- 4<br>- 4 | CLIP, cable supporting (3/16" diam., 13/32" bolt-hole) CAPSCREW, 3/8"NF x 5/8" LOCKWASHER, 3/8"                             |
| 22   | 1 1               | SWITCH (See LIGHTS AND WIRING)  |

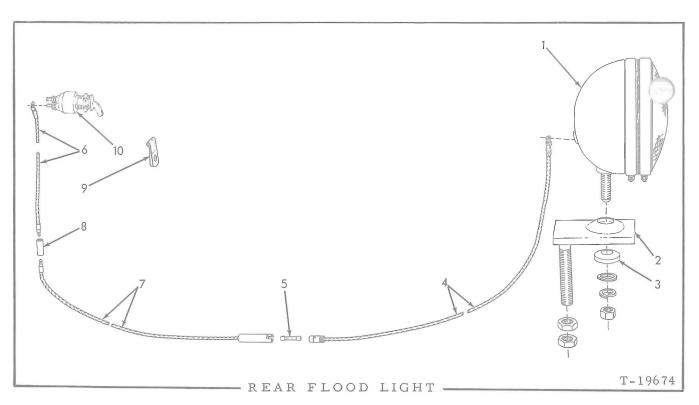


USAGE: Special equipment. Used prior to tractor serial No. 11094

| ITEM | PART NO. | QTY. | DESCRIPTION  |
|------|----------|------|--|
|      | 074388   | 1    | LIGHT ASSEMBLY (See page 226 for parts)(Original equipment. Ord<br>LIGHT ASSEMBLY 638283, WASHER 075535, WASHER 900818,<br>LOCKWASHER 904208 and NUT 911043) |
|      | 900817   | 1    | WASHER, plain, U.S. std., 3/8"   |
|      | 904206   | 1    | LOCKWASHER, 3/8"   |
| 1 <  | 911026   | 1    | NUT, 3/8"NC  |
|      | 097030   | I    | LIGHT ASSEMBLY (See page 227 for parts)(Used originally for service replacement. Order LIGHT ASSEMBLY 638283)  |
|      | 900818   | 1    | WASHER, plain, U.S. std, 1/2"  |
|      | 904208   | 1    | LOCKWASHER, 1/2"   |
|      | 911043   | L    | NUT, 1/2"NF  |
| 2    | 095039   | 1    | BRACKET, mounting  |
| 3    | 913014   | 2    | CAPSCREW, 3/8"NF x 1-1/8"  |
|      | 904206   | 2    | LOCKWASHER, 3/8"   |
|      | 911041   | 2    | NUT, 3/8"NF  |

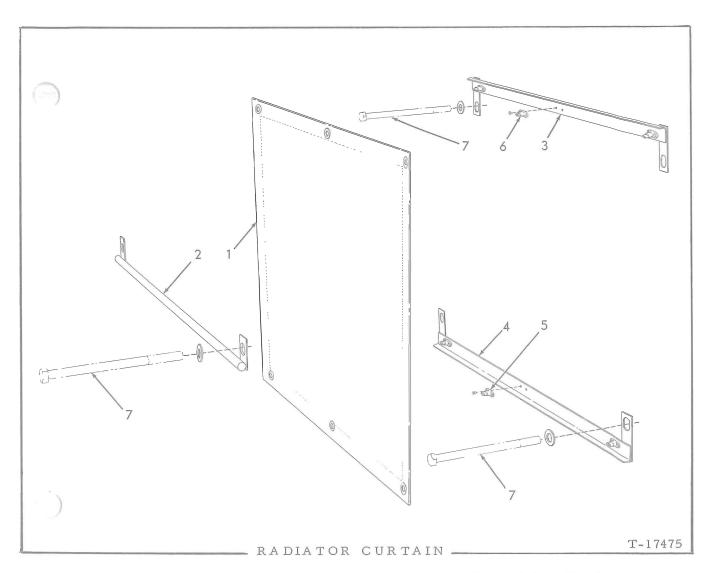
## REAR FLOOD LIGHT (Continued)

| ITEM       | PART NO.                             | QTY.        | DESCRIPTION  |
|------------|--------------------------------------|-------------|--|
|            | 075853                               | 1           | WASHER, light mounting (flat, rubber)  |
| , <u> </u> | 075854                               | 1           | WASHER, light mounting (beveled, rubber)   |
| 6          | 087568<br>906960                     | 1           | CABLE, light ground LOCKWASHER, int-tooth, 3/8"  |
| 7          | 087096                               | 1           | CABLE, rear section (41" long)   |
| 8          | 085412                               | 1           | CABLE, front section (58" long)  |
| 9          | 208960                               | 1           | FUSE, cartridge type, 1/4" x 1-1/4", 20 amperes  |
| 10         | 064589                               | 1           | GROMMET, cable protecting (rubber)   |
| 11         | 235794                               | 6           | CLIP, rear cable (short type, 1/4" diam., 13/32" bolt-hole)(5 less used on tractors prior to #9157)                              |
| 11 (       | 050721                               | 3           | CLIP, cable and fuel tubes (For two 3/8" diam. lines and one 1/4" diam. line, 7/16" bolt-hole) (Used on tractors prior to #9157) |
| 12<br>13   | 077341<br>036032<br>904206<br>911041 | 1<br>1<br>1 | CLIP, front cable (long type, 1/4" diam., 13/32" bolt-hole) CAPSCREW, 3/8"NF x 3/4" LOCKWASHER, 3/8" NUT, 3/8"NF                 |
| 14         | FOR DATE SHE WAS DOOR                | 1           | SWITCH (See LIGHTS AND WIRING)   |



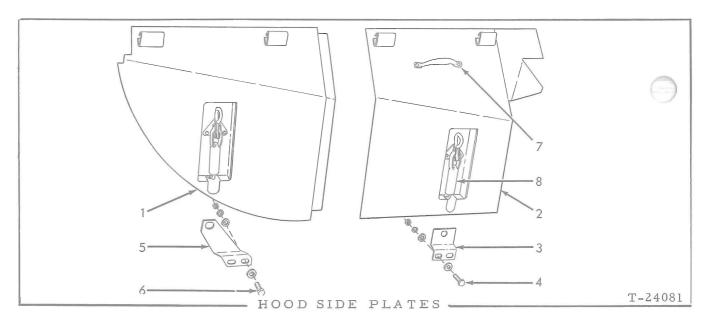
USAGE: Special equipment. Effective with tractor serial No. 11094

| ITEM | PART NO.                   | QTY.        | DESCRIPTION  |
|------|----------------------------|-------------|--|
| 1    | 097030                     | 1           | LIGHT ASSEMBLY (See page 227 for parts)(Original equipment. Order LIGHT ASSEMBLY 638283) |
|      | 638283                     | 1           | LIGHT ASSEMBLY (See page 228 for parts)(Service replacemen.                              |
|      | 900818<br>904208<br>911043 | 1<br>1<br>1 | WASHER, plain, U.S. std., 1/2" LOCKWASHER, 1/2" NUT, 1/2"NF                              |
| 2    | 094630<br>911044           | 1<br>2      | BRACKET, mounting NUT, 5/8"NF  |
| 3    | 075535                     | 1           | WASHER, mounting   |
| 4    | 098531                     | 1           | CABLE, rear section (27" long)   |
| 5    | 208960                     | 1           | FUSE, cartridge type, 1/4" x 1-1/4", 20 amperes  |
| 6    | 098530                     | 1           | CABLE, front section (112" long)   |
| 7    | 641716                     | 1           | CABLE, intermediate section (46" long)   |
| 8    | 048142                     | 1           | CONNECTOR, cable   |
| 9    | 073809<br>035979<br>904206 | 9<br>5<br>5 | CLIP, cable (3/16" diam., 13/32" bolt-hole) CAPSCREW, 3/8"NF x 5/8" LOCKWASHER, 3/8"     |
| 10   | eno eno ena suo ena sua    | 1           | SWITCH (See INSTRUMENTS)   |



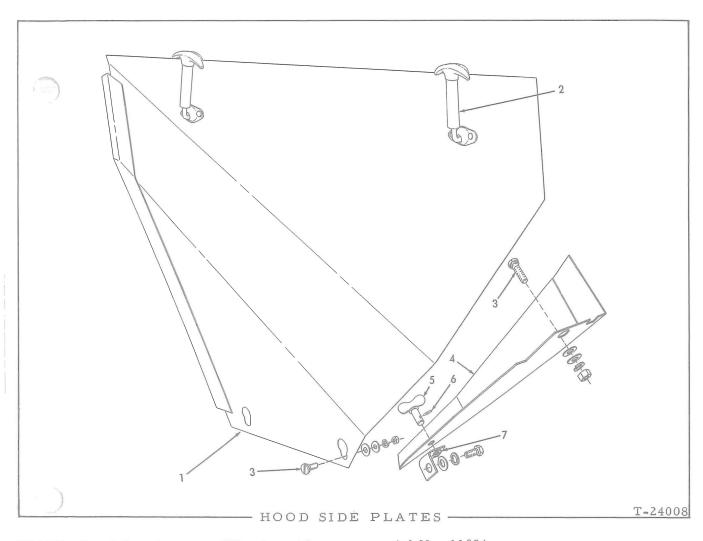
USAGE: Special equipment. Applicable only to units equipped with special suction fan

| ITEM | PART NO.                 | QTY.   | DESCRIPTION  |
|------|--------------------------|--|--|
| 1    | 086920                   | 1  | CURTAIN, radiator  |
| 2    | 086915<br>910244         | 1<br>2   | ROD, curtain supporting (Used prior to March 1957 only) WASHER, plain, SAE std., 1/2"      |
| 3    | 086918<br>910244         | 1<br>2   | BRACKET ASSEMBLY, curtain attaching, upper (Includes item 6) WASHER, plain, SAE std., 1/2" |
| 4    | 086919<br>910244         | 1 2  | BRACKET ASSEMBLY, curtain attaching, lower (Includes item 5) WASHER, plain, SAE std., 1/2" |
| 5    | 066661<br>912839         | 3<br>6   | FASTENER, curtain (short type) RIVET, ctsk-hd., 1/8" x 1/4"                                |
| 6    | 066662<br>912839         | 3<br>6   | FASTENER, curtain (long type) RIVET, ctsk-hd., 1/8" x 1/4"                                 |
| 7    | SHO SHA SHA SHA SUS CITY | the contract of the contract o | CAPSCREW (See RADIATOR)  |



USAGE: Special equipment. Used prior to tractor serial No. 11094

| ITEM   | PART NO.                                       | QTY.              | DESCRIPTION  |
|--------|--|-------------------|--|
| 1      | 097932   | 1                 | PLATE ASSEMBLY, front section, left side (Includes item 8)(If for tractors prior to #9157 also order BRACKET 097930) |
|        | 091456   | 1                 | PLATE ASSEMBLY, front section, right side (Includes item 8)  |
| 2      | 091453   | 1                 | PLATE ASSEMBLY, rear section, left side (Includes items 7 and 8)   |
| 4      | 091453<br>091454                               | 1                 | PLATE ASSEMBLY, rear section, right side (Includes items 7 and 8   |
| 3<br>4 | 088394<br>012992<br>044973<br>904206<br>911041 | 3<br>6<br>12<br>6 | PLATE, anchor, hood fastener  CAPSCREW, 3/8"NF x 1-1/4"  WASHER, plain  LOCKWASHER, 3/8"  NUT, 3/8"NF                |
| -      | 088394   | 1                 | PLATE, anchor, left front plate fastener (Used prior to tractor #9157)   |
| 5      | 097930   | 1                 | BRACKET, anchor, left front plate fastener (Effective with tractor #9157)  |
| 6      | 012992<br>044973<br>904206<br>911041           | 2<br>4<br>2<br>2  | CAPSCREW, 3/8"NF x 1-1/4" WASHER, plain LOCKWASHER, 3/8" NUT, 3/8"NF   |
| 7      | 032834<br>900764                               | 2<br>4            | HANDLE, lifting<br>RIVET, flat-hd., 3/16" x 1/2"   |
| 8      | 033060<br>900764                               | 4<br>12           | FASTENER, hood latching RIVET, flat-hd., 3/16" x 1/2"  |



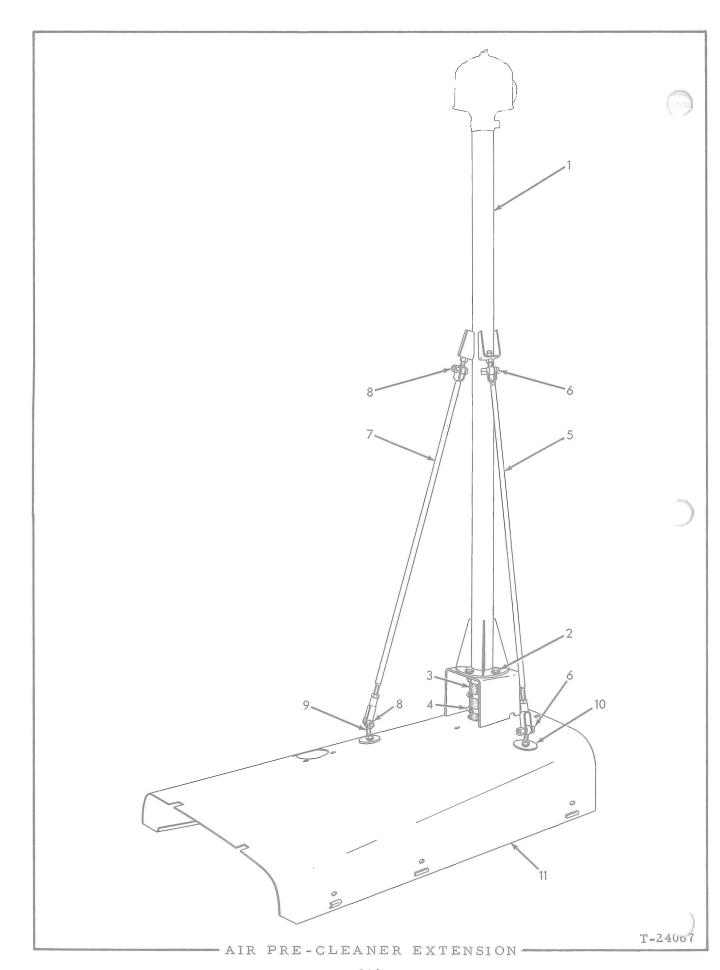
USAGE: Special equipment. Effective with tractor serial No. 11094

\* Used prior to December 1959 \*\* Effective December 1959

```
QTY.
ITEM PART NO. * **
                       DESCRIPTION
        098457
                        PLATE ASSEMBLY, left side (Includes item 2)
                 1
                    1
        0 98458
                 1
                    1
                        PLATE ASSEMBLY, right side (Includes item 2)
  2
        098029
                 4
                    4
                        CATCH, side plate
        900759
                             RIVET, fl-hd., 1/4" x 1/2"
                    8
                 8
  3
        097760
                 6
                   6
                        SCREW, plate attachment
        910335
                12 12
                             WASHER, plain, SAE std., 5/16"
                             LOCKWASHER, 5/16"
        904205
                6
                   6
        913636
                   6
                             NUT, 5/16"NF
```

#### HOOD SIDE PLATES (Continued)

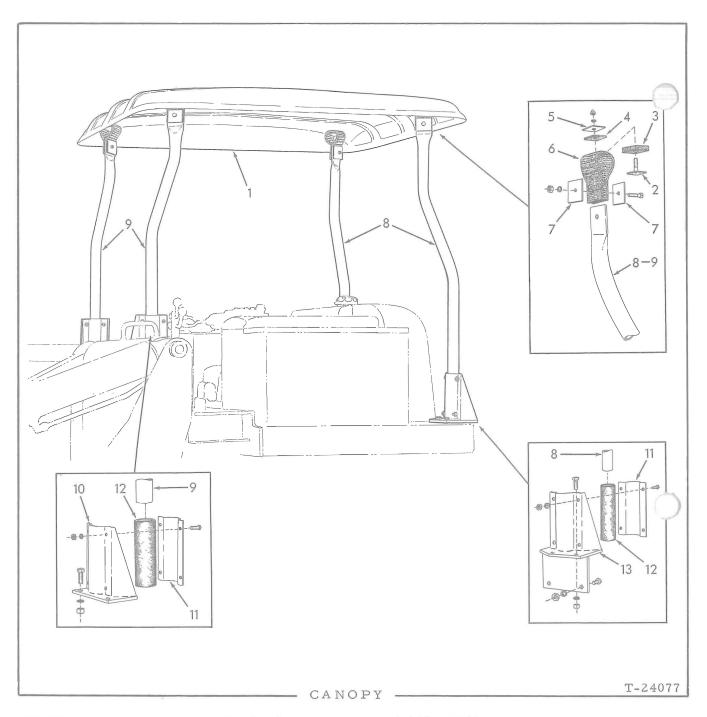
| ITEM | PART NO.                             |                  | ΓΥ.<br>**   | DESCRIPTION  |
|------|--------------------------------------|------------------|-------------|--|
|      | (                                    | 1                | -           | PLATE, closure, left side (Order PLATE ASSY. 099901 and item 7)                    |
|      |                                      | 1                | -           | PLATE, closure, right side (Order PLATE ASSY. 099902 and item 7)                   |
| 4    | 912180<br>911115<br>904206<br>911041 | 2<br>2<br>2<br>2 | -           | CAPSCREW, 3/8"NF x 7/8" WASHER, plain, SAE std., 3/8" LOCKWASHER, 3/8" NUT, 3/8"NF |
|      | 099901                               |                  | 1           | PLATE ASSEMBLY, closure, left side (Includes items 5 and 6)                        |
|      | 099902                               | -                | 1           | PLATE ASSEMBLY, closure, right side (Includes items 5 and 6)                       |
| 5    | 099905                               |                  | 2           | STUD, closure plate attaching  |
| 6    | 099906                               | eCoa             | 2           | PIN, stud  |
| 7    | 099907                               |                  | 2           | BRACKET ASSEMBLY, closure plate (Includes fastener                                 |
|      | 912180<br>904206<br>911115           | -                | 2<br>2<br>2 | LOCKWASHER, 3/8"   |



## AIR PRE-CLEANER EXTENSION

USAGE: Special equipment.

|        |  | QT                    | V                     | * Used prior to tractor serial No. 11094.<br>** Effective with tractor serial No. 11094.  |
|--------|--|-----------------------|-----------------------|---|
| ITEM   | PART NO.                                       |                       |                       | DESCRIPTION   |
| 1<br>2 | 087152<br>035073<br>064531<br>904208<br>911043 | 1<br>4<br>8<br>4<br>4 | 1<br>4<br>8<br>4<br>4 | TUBE, extension  CAPSCREW, 1/2"NF x 1-3/4"  WASHER, plain  LOCKWASHER, 1/2"  NUT, 1/2"NF  |
| 3<br>4 | 085648<br>921913                               | 1<br>2                | 1<br>2                | HOSE, tube to air cleaner CLAMP, hose(1-13/16" to 2-3/4" diam.)                           |
| 5      | 084227<br>911043<br>917666                     |                       | 1<br>1<br>1           |   |
| 6 -    | 912192<br>038234                               | 2                     | 2                     | CAPSCREW, $1/2$ "NF x 1-3/4"NUT, high, $1/2$ "NF  |
| 7 3    | 084227   | 1                     | •                     | ROD, bracing, front (39-1/4" long)  |
|        | 098522   | -                     | 1                     | ROD, bracing, front (41-1/2" long)  |
|        | 911043   | 1                     | 1                     | NUT, 1/2"NF   |
| 8 <    | 917666<br>912192<br>038234                     | I<br>2<br>2           | 2 2                   | YOKE, rod end, adjustable, $1/2$ "NF CAPSCREW, $1/2$ "NF x $1-3/4$ " NUT, high, $1/2$ "NF |
| 9      | 067902<br>904208<br>911043                     | 4<br>-<br>8           | 4<br>8<br>8           | EYEBOLT, bracing rod<br>LOCKWASHER, 1/2"<br>NUT, 1/2"NF                                   |
| 10     | 085453   | 4                     | 4                     | WASHER, bracing rod eyebolt   |
| 11     | 089933   | 1                     | -                     | HOOD, engine (Replaces standard HOOD 088195) HOOD, engine (Replaces standard HOOD 097762) |
| TT 4   | 0 98520  | -                     | 1                     | HOOD, engine (Replaces standard HOOD 097762)  |



USAGE: Special equipment. Used prior to tractor serial No. 11094

| 1 | 85805 | 1 | ΔCANOPY      |
|---|-------|---|--------------|
| 2 | E201E | 1 | AROLT CONCER |

ITEM PART NO. QTY. DESCRIPTION

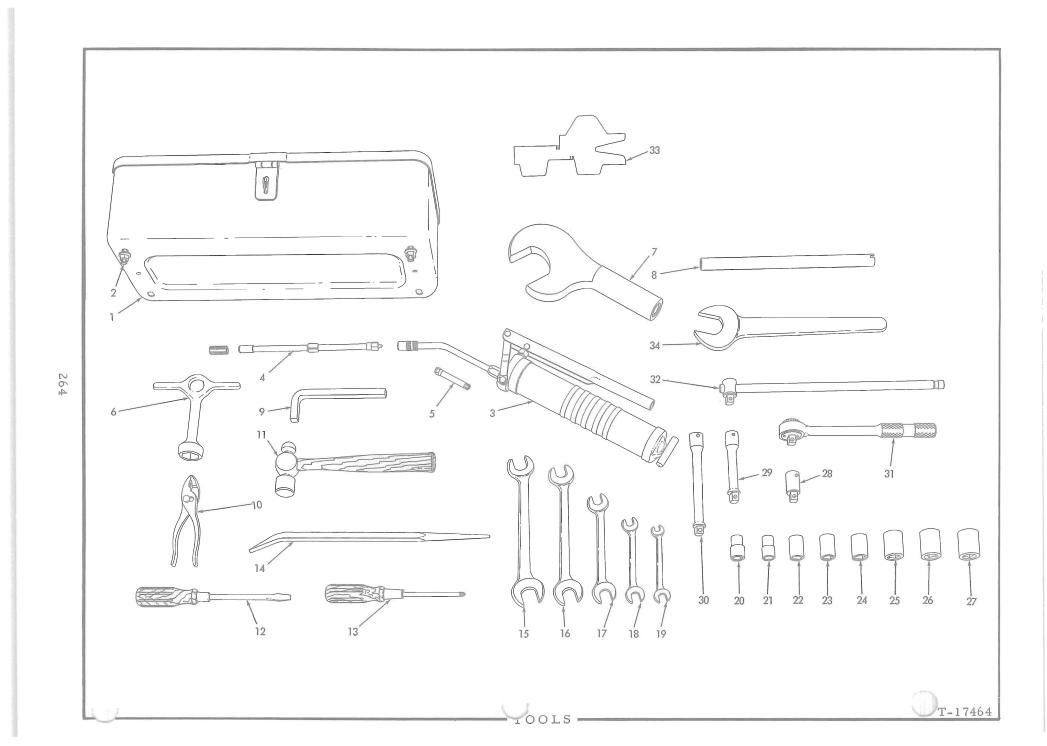
| 2 | 52015<br>904206<br>918471 | 4<br>4<br>4 | ΔBOLT, canopy LOCKWASHER, 3/8" NUT, cap, 3/8"NC |
|---|---------------------------|-------------|---|
| 3 | 52013                     | 4           | ΔPAD, canopy bolt, lower (rubber, 1/2" thick)   |

4 52014 4  $\Delta$ PAD, canopy bolt, upper (rubber, 1/8" thick)

## CANOPY (Continued)

| ITEM    | PART NO.                            | QTY.                 | DESCRIPTION  |
|---------|-------------------------------------|----------------------|--|
| 5       | 088556                              | 4                    | PLATE, canopy bolt upper pad   |
| ( mana) | 52018<br>903633<br>904206<br>911026 | 4<br>4<br>4          | ΔSTRAP, canopy (fibre)  CAPSCREW, 3/8"NC x 1-3/4"  LOCKWASHER, 3/8"  NUT, 3/8"NC |
| 7       | 52017                               | 8                    | $\triangle$ WASHER, canopy strap (2-1/2" square)                                 |
| 8       | 88210                               | 2                    | ΔPOST, rear  |
| 9       | 88205                               | 2                    | $\triangle POST$ , front   |
| 10      | 88215<br>903639<br>904208<br>911028 | 2<br>8<br>8<br>8     | ΔBRACKET, mounting, front CAPSCREW, 1/2"NC x 1-1/2" LOCKWASHER, 1/2" NUT, 1/2"NC |
| 11      | 52010<br>903631<br>904206<br>911026 | .4<br>16<br>16<br>16 | ΔCLAMP, mounting bracket CAPSCREW, 3/8"NC x 1-1/4" LOCKWASHER, 3/8" NUT, 3/8"NC  |
| 12      | 52012                               | 4                    | $\Delta BUSHING$ , mounting bracket (rubber)                                     |
| 13 {    | 88220L<br>88220R                    | 1                    | $\Delta$ BRACKET, mounting, left rear  |
| 13      | 88220R                              | 1                    | $\triangle$ BRACKET, mounting, right rear  |
| )       | 903638<br>904208<br>911028          | 8<br>8<br>8          | CAPSCREW, 1/2"NC x 1-1/4"<br>LOCKWASHER, 1/2"NC<br>NUT, 1/2"NC                   |

 $\frac{\text{NOTE:}}{\text{All parts indicated by triangle ($\triangle$) above must be procured thru Allen Industrial Products Inc., Menomonee Falls, Wisconsin. Vendor's part numbers are listed.}$ 

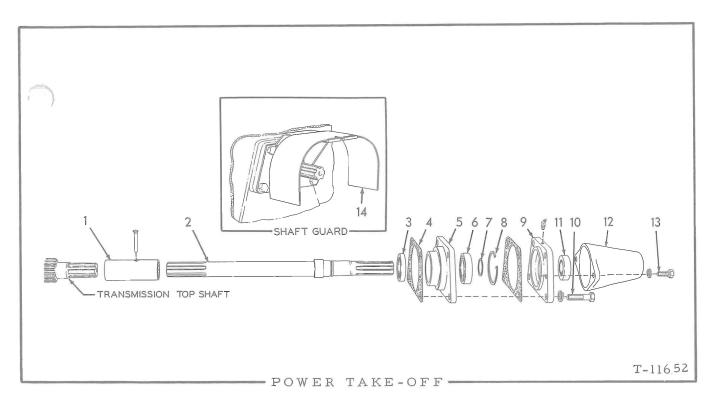


## TOOLS

| ITEM | PART NO.                             | QTY.             | DESCRIPTION  |
|------|--------------------------------------|------------------|--|
|      |                                      |                  | NOTE: For complete line of service tools for Allis-Chalmers Diesel Engines, consult Kent-Moore Organization, Inc., 1501 South Jackson Street, Jackson, Michigan. |
| 1 2  | 604943<br>036034<br>911115<br>911041 | 1<br>4<br>4<br>4 | BOX, tool (Special equipment) CAPSCREW, 3/8"NF x 1" WASHER, plain, SAE std., 3/8" NUT, 3/8"NF  |
| 3    | 073735<br>907059<br>915954           | 1<br>1           | GUN, grease (Serviced only as a unit)  ELBOW, street, 90°, 1/8"NPT (Required for lubricating fan)  *NIPPLE, pipe, 1/8"NPT x 3"  Not illustrated                  |
|      | 915955                               | 1                | *ELBOW, pipe, 90°, 1/8"NPT   |
|      |                                      |                  | *Required for lubricating engine clutch shifter bearing prior to tractor serial No. 11094.   |
| 4    | 058937                               | 1                | NOZZLE ASSEMBLY, low pressure lubrication (Includes FITTING indented below)  |
|      | 914767                               | 1                | FITTING, lubricating, straight, 1/8"NPT female   |
| 5    | 069814                               | 1                | NOZZLE ASSEMBLY, lubricating (For use with GUN 073735 to lubricate universal joint)  |
| 6    | 040272                               | 1                | WRENCH, grease hole plugs  |
| 7    | 050573                               | 1                | WRENCH, track release adjustment   |
| 8    | 089239                               | 1                | EXTENSION, coolant drain   |
| (    | 043769                               | 1                | WRENCH, drain and filling plugs (90°, 1/2" square)   |
| 10   | 012389                               | 1                | PLIERS, slip joint, 6"   |
| 11   | 012387                               | 1                | HAMMER, ball peen, 1 lb.   |
| 12   | 036268                               | 1                | SCREWDRIVER, 9-3/4" long   |
| 13   | 914732                               | 1                | SCREWDRIVER, Phillips #2   |
| 14   | 052371                               | 1                | BAR, pinch, 16" long   |
| 15   | 050611                               | 1                | WRENCH, open end, double head, 15°, 15/16" and 1-1/16"   |
| 16   | 050610                               | 1                | WRENCH, open end, double head, 15°, 3/4" and 7/8"  |
| 17   | 050609                               | 1                | WRENCH, open end, double head, 15°, 5/8" and 3/4"  |
| 18   | 050608                               | 1                | WRENCH, open end, double head, 15°, 1/2" and 9/16"   |
| 19   | 050607                               | 1                | WRENCH, open end, double head, 15°, 3/8" and 1/2"  |
| 20   | 914709                               | 1                | SOCKET, 1/2" square drive, 1/2" hex  |
| 21   | 914710                               | 1                | SOCKET, 1/2" square drive, 9/16" hex   |
| 22   | 914711                               | 1                | SOCKET, 1/2" square drive, 5/8" hex  |
| 23   | 914712                               | 1                | SOCKET, 1/2" square drive, 11/16" hex  |
|      |                                      |                  |  |

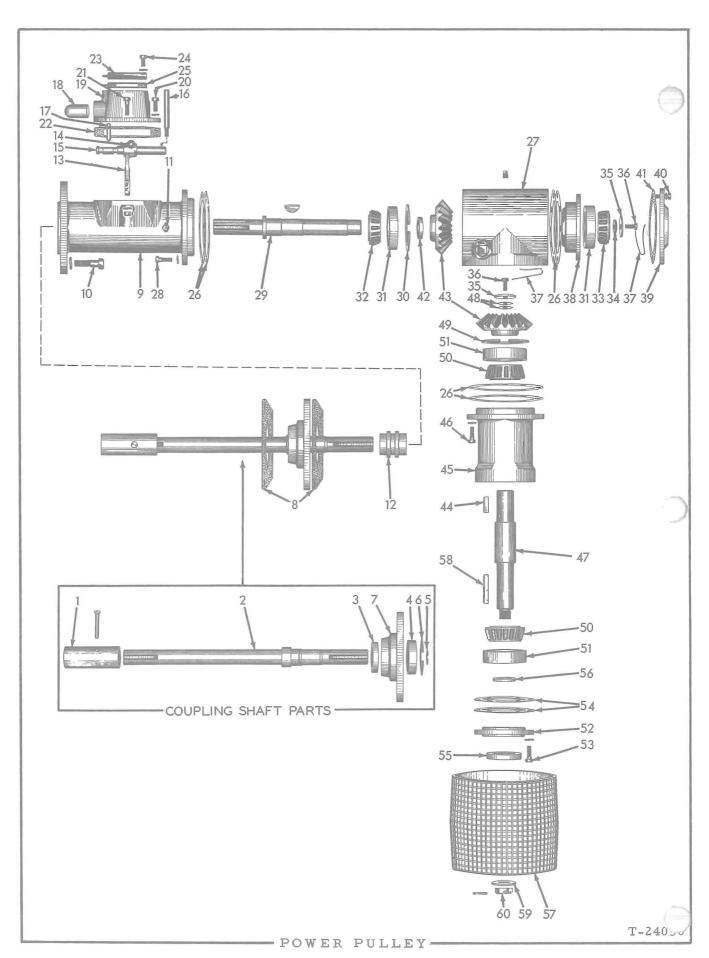
TOOLS (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION  |
|------|----------|------|--|
| 24   | 914713   | Ī    | SOCKET, 1/2" square drive, 3/4" hex  |
| 25   | 914714   | 1    | SOCKET, 1/2" square drive, 7/8" hex  |
| 26   | 914715   | 1    | SOCKET, 1/2" square drive, 15/16" hex  |
| 27   | 914716   | 1    | SOCKET, 1/2" square drive, 1" hex  |
| 28   | 914717   | 1    | BAR, extension, socket, 1/2" drive, 2" long  |
| 29   | 914718   | 1    | BAR, extension, socket, 1/2" drive, 5" long  |
| 30   | 921338   | 1    | BAR, extension, socket, 1/2" drive, 10" long   |
| 31   | 914719   | 1    | HANDLE, socket, ratchet, 1/2" square drive   |
| 32   | 050612   | 1    | HANDLE, socket, sliding T, 1/2" square drive, 15" long   |
| 33   | 631351   | 1    | GAUGE, wear (Indicates maximum wear tolerances for track rails, grouser shoes, sprockets, idlers and truck wheels) |
| 34   | 043421   | 1    | WRENCH, fan spindle mounting nut (1-7/16" open end)  |



USAGE: Special equipment

| ITEM     | PART NO.                             | QTY.             | DESCRIPTION  |
|----------|--------------------------------------|------------------|--|
| 1        | 055563<br>910902                     | 1                | COUPLING, front<br>RIVET, flat-hd., 5/16" x 2-1/8"   |
| )        | 055559                               | 1                | SHAFT, coupling  |
| 3        | 033146                               | 1                | SEAL, oil, inner   |
| 4        | 055561                               | 2                | GASKET, coupling shaft bearing cage  |
| 5        | 055558                               | 1                | CAGE, coupling shaft bearing   |
| 6        | 528519                               | 1                | BEARING, ball  |
| 7        | 055568                               | 1                | RING, snap, coupling shaft   |
| 8        | 055567                               | 1                | RING, snap, coupling shaft bearing cage  |
| 9<br>10  | 055530<br>023755<br>904209<br>915273 | 1<br>4<br>4<br>1 | RETAINER, oil seal CAPSCREW, 5/8"NC x 2-1/4" LOCKWASHER, 5/8" FITTING, lubricating, 30°, 1/8"NPT |
| 11       | 604439                               | 1                | SEAL, oil, outer   |
| 12<br>13 | 055529<br>035220<br>904208           | 1<br>2<br>2      | COVER, shaft protecting CAPSCREW, 1/2"NC x 1-1/8" LOCKWASHER, 1/2"                               |
| 14       | 078470                               | 1                | GUARD, power shaft (Requires removal of item 12 to install)                                      |



## POWER PULLEY

USAGE: Special equipment

|                | and the same of th | 4 4                   |   |
|----------------|--|-----------------------|---|
| ITFM           | PART NO.   | QTY.                  | DESCRIPTION   |
| r              | 055563<br>910902   | 1                     | COUPLING, front<br>RIVET, flat-hd., 5/16" x 2-1/8"  |
| 2              | 055559   | 1                     | SHAFT, coupling   |
| 3              | 033146   | 1                     | SEAL, oil, coupling shaft   |
| 4              | 528519   | 1                     | BEARING, ball, coupling shaft   |
| 5              | 055568   | I                     | RING, snap, coupling shaft  |
| 6              | 055567   | 1                     | RING, snap, coupling shaft bearing cage   |
| 7              | 055558   | 1                     | CAGE, coupling shaft bearing  |
| 8              | 055561   | 2                     | GASKET, power pulley mounting   |
| 9<br>10        | 055421<br>023755<br>904209   | 1<br>4<br>4           | HOUSING, input<br>CAPSCREW, 5/8"NC x 2-1/4"<br>LOCKWASHER, 5/8"                               |
| 11             | 051447   | 1                     | BREATHER ASSEMBLY (Serviced only as a unit)   |
| 12             | 055564   | 1                     | COUPLING, sliding   |
| 13<br>14       | 038561<br>046419<br>913528   | 1<br>1<br>1           | FORK, shifting CAPSCREW, 3/8"NF x 2" NUT, Elastic stop, 3/8"NF                                |
| ~              |  |                       |   |
| ,              | 055560   | 1                     | SHAFT, shifting fork  |
| 16             | 055565   | 1                     | HANDLE, shifting fork shaft   |
| 17             | 057540   | 1                     | PIN, retaining, shifting fork shaft   |
| 18             | 035398   | 1                     | COVER, shifting fork shaft  |
| 19<br>20<br>21 | 055422<br>035439<br>036039<br>904206<br>911041   | 1<br>4<br>2<br>6<br>2 | HOUSING, shifter CAPSCREW, 3/8"NC x 1" CAPSCREW, 3/8"NF x 1-3/8" LOCKWASHER, 3/8" NUT, 3/8"NF |
| 22             | 055562   | 1                     | GASKET, shifter housing   |
| 23             | 055466   | 1                     | PLATE, cover, shifter housing   |
| 2.4            | 035244<br>904206   | 4<br>4                | CAPSCREW, 3/8"NC x 3/4"<br>LOCKWASHER, 3/8"   |
| 25             | 055467   | Ĺ                     | GASKET, shifter housing cover plate   |
|                | 028113   | 9                     | SHIM, gear mesh adjustment (.005" thick. Use as req'd)  |
| 26             | 028115   | 15                    | SHIM, gear mesh adjustment (.010" thick. Use as req'd)  |
|                | 028114   | 9                     | SHIM, gear mesh adjustment (.020" thick. Use as req'd)  |

## POWER PULLEY (Continued)

| ITEM     | PART NO.                                       | QTY.                  | DESCRIPTION   |
|----------|--|-----------------------|---|
| 27<br>28 | 055448<br>013058<br>904206<br>912768<br>901652 | 1<br>8<br>8<br>2<br>1 | HOUSING, angle CAPSCREW, 3/8"NC x 1-1/4" LOCKWASHER, 3/8" PLUG, pipe, 1"NPT PLUG, pipe, 1/4"NPT |
| 29       | 055446<br>910851                               | I<br>1                | SHAFT, input<br>KEY, #G woodruff, 3/8" x 1-1/2"   |
| 30       | 055566   | 1                     | RING, retaining, input shaft front bearing cup  |
| 31       | 211567   | 2                     | CUP, input shaft bearings   |
| 32       | 604922   | 1                     | CONE ASSEMBLY, input shaft front bearing  |
| 33       | 043006   | 1                     | CONE ASSEMBLY, input shaft rear bearing   |
|          | 055670   | 2                     | SHIM, input shaft bearing adjustment (.005" thick. Use as req'd)                                |
| 34       | 055671   | 4                     | SHIM, input shaft bearing adjustment (.010" thick. Use as req'd)                                |
|          | 055672   | 2                     | SHIM, input shaft bearing adjustment (.020" thick. Use as req'd)                                |
| 35       | 045358   | 2                     | WASHER, retaining   |
| 36<br>37 | 013044<br>023633                               | 4                     | CAPSCREW, drilled-hd., 3/8"NC x 7/8" WIRE, locking, 1/16" x 12"                                 |
| 38       | 055444   | 1                     | CAGE, input shaft rear bearing  |
| 39<br>40 | 055445<br>070960<br>904206                     | 1<br>8<br>8           | COVER, input shaft rear bearing<br>CAPSCREW, 3/8"NC x 1-1/2"<br>LOCKWASHER, 3/8"                |
| 41       | 055669   | 1                     | GASKET, input shaft rear bearing cover  |
| 42       | 055572   | 1                     | SPACER, bevel gear  |
| 43       | 028117   | 2                     | GEAR, bevel (20 teeth)  |
| 44       | 028109   | 1                     | KEY, output shaft bevel gear  |
| 45<br>46 | 055447<br>013058<br>904206                     | 1<br>8<br>8           | HOUSING, output CAPSCREW, 3/8"NC x 1-1/4" LOCKWASHER, 3/8"                                      |
| 47       | 055443   | 1                     | SHAFT, output   |
|          | 036093   | 2                     | SHIM, output shaft washer (.005" thick. Use as req¹d)   |
| 48       | 036094   | 2                     | SHIM, output shaft washer (.010" thick. Use as req¹d)   |
|          | 036095   | 2                     | SHIM, output shaft washer (.020" thick. Use as req'd)   |
| 49       | 055457   | 1                     | RING, retaining, output shaft inner bearing   |
| 50       | 042865   | 2                     | CONE ASSEMBLY, output shaft bearing   |

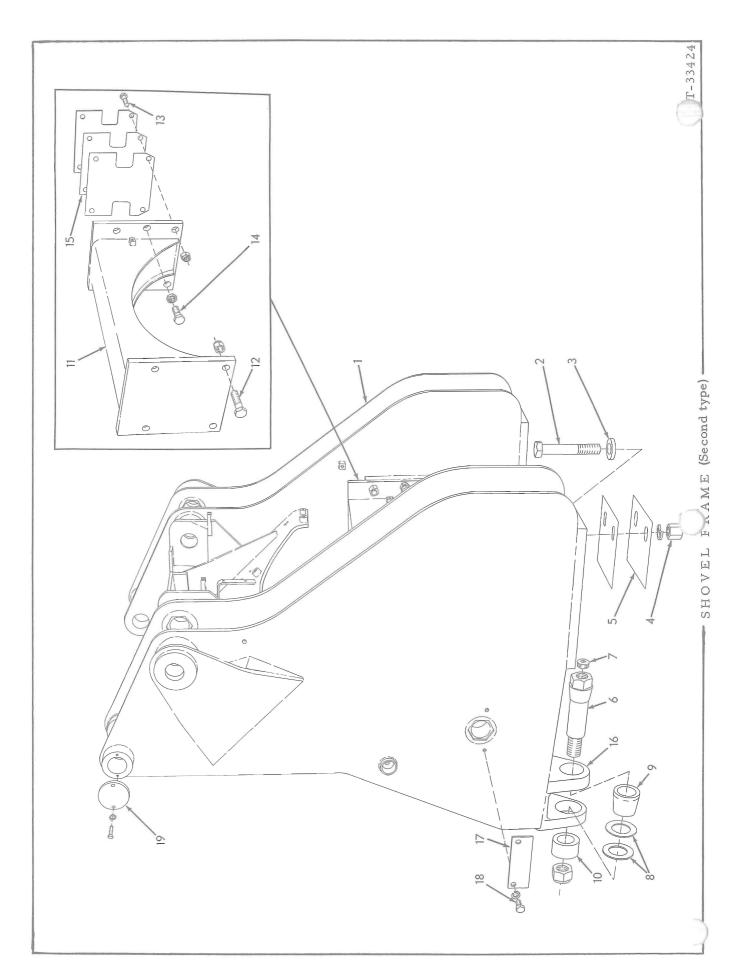
# POWER PULLEY (Continued)

| ITEM      | PART NO.                                       | QTY.        | DESCRIPTION   |
|-----------|--|-------------|---|
| 6         | 211068   | 2           | CUP, output shaft bearing   |
| 53        | 055442<br>013058<br>904206                     | 1<br>6<br>6 | RETAINER, output shaft bearing CAPSCREW, 3/8"NC x 1-1/4" LOCKWASHER, 3/8"                             |
|           | 055458   | 2           | SHIM, output shaft bearing adjustment (.005" thick. Use as req'd)                                     |
| 54        | 055459   | 4           | SHIM, output shaft bearing adjustment (.010 $\!\!^{\text{II}}$ thick. Use as req $\!\!^{\text{I}}$ d) |
|           | 055460   | 2           | SHIM, output shaft bearing adjustment (.020" thick. Use as req $^{\text{I}}\text{d})$                 |
| 55        | 034697   | 1           | SEAL, oil, output shaft   |
| 56        | 055573   | 1           | SPACER, output shaft pulley   |
| <b>-7</b> | 077165   | 1           | PULLEY (12" diameter)   |
| 5 (       | $ \begin{cases} 077165 \\ 077545 \end{cases} $ | 1           | PULLEY (10" diameter)   |
| 58        | 055441   | 1           | KEY, pulley   |
| 59        | 021475   | 1           | WASHER, pulley retaining  |
| 60        | 021221<br>900808                               | 1<br>1      | NUT, pulley retaining (slotted, $1''$ thread)<br>PIN, cotter, $1/8'' \times 1-1/2''$                  |

#### SHOVEL FRAME

USAGE: Tractors prior to serial No. 11094

| ITTM             | P | ART NO.  | QTY.                  | DESCRIPTION   |
|------------------|---|--|-----------------------|---|
| 2 3              |   | 3016443<br>625970<br>3001785<br>910916<br>600236 | 1<br>2<br>2<br>2<br>2 | FRAME ASSEMBLY, shovel, left (Includes items 14 and 15) CAPSCREW, 1"NF x 6" WASHER, plain LOCKWASHER, 1" NUT, high, 1"NF  |
| 5<br>6<br>7<br>8 |   | 3016444<br>625970<br>3001785<br>910916<br>600236 | 1<br>2<br>2<br>2<br>2 | FRAME ASSEMBLY, shovel, right (Includes items 14 and 16) CAPSCREW, 1"NF x 6" WASHER, plain LOCKWASHER, 1" NUT, high, 1"NF |
| 9                |   | 625827<br>917778                                 | 2 2                   | PIN, frame pivot<br>NUT, elastic stop, 1-1/2"NF   |
| 10               |   | 052979   | 2                     | PLUG, thread protecting, frame pivot pin  |
| 11               | 5 | 634237   | 6                     | WASHER, shimming, pivot pin   |
| 11               |   | 625829   | 6                     | WASHER, shimming, pivot pin Use as req'd.   |
| 12               |   | 625825   | 2                     | BUSHING, frame pivot (tapered)  |
| 13               |   | 625826   | 2                     | BUSHING, frame pivot (straight)   |
| 14               |   | 3014553  | 2                     | RING, pin locking (Requires welding to install)   |
| 15               |   | 3016429  | 1                     | BRACKET, frame, left Requires welding to install  |
|                  |   | 3016430  | 1                     | BRACKET, frame, right   |
| 17               | 5 | 3016650<br>3024556                               | 1                     | STABILIZER, frame (Used prior to shovel #5207)  |
| Τι,              |   | 3024556  | 1                     | STABILIZER, frame (Shovel #5207 and up)   |
| 18               |   | 3016582<br>917718                                | 4<br>4                | PIN, stabilizer attaching NUT, elastic stop, 1-1/2"NF   |



## SHOVEL FRAME

USAGE: Tractors serial No. 11094 and up.

| ITEM           | PART NO.   | QTY.                       | DESCRIPTION   |
|----------------|--|----------------------------|---|
| 2 3 4          | 626234<br>625970<br>3001785<br>910916<br>600236          | 1<br>4<br>4<br>4           | FRAME ASSEMBLY, shovel (Includes items 11 thru 16) CAPSCREW, 1"NF x 6" WASHER, plain LOCKWASHER, 1" NUT, high, 1"NF   |
| 5              | 625824   | 4                          | SHIM, frame spacing (Use as req'd)  |
| 6              | 625827<br>917778   | 2<br>2                     | PIN, frame pivot<br>NUT, elastic stop, 1-1/2"NF   |
| 7              | 052979   | 2                          | PLUG, thread protecting, frame pivot pin  |
| 0              | 634237   | 6                          | WASHER, shimming, pivot pin (1/16" thick. Use as req'd)   |
| 0              | 625829   | 2                          | WASHER, shimming, pivot pin (1/8" thick. Use as req'd)  |
| 9              | 625825   | 2                          | BUSHING, frame pivot (tapered)  |
| 10             | 625826   | 2                          | BUSHING, frame pivot (straight)   |
| 11<br>12<br>13 | 625719<br>012984<br>070285<br>916591<br>012453<br>910847 | 1<br>4<br>4<br>8<br>2<br>2 | STABILIZER, frame  CAPSCREW, 3/4"NF x 2-3/4" (right side)  CAPSCREW, 3/4"NF x 3" (left side)  NUT, elastic stop, 3/4"NF  CAPSCREW, 3/4"NF x 2" (adjustment)  NUT, jam, 3/4"NF |
| )              | 625828   | 1 2                        | SHIM, spacing (.059" thick. Use as req'd)  SHIM, spacing (.0359" thick. Use as req'd)  left side only   |
| 16             | 625873<br>625874   | 1<br>1<br>1                | SHIM, spacing (.134" thick. Use as req'd)  BRACKET, frame, left  BRACKET, frame, right  Requires welding to install   |
| 17<br>18       | 625754<br>070467<br>904208                               | 2<br>4<br>4                | PLATE, retaining, lift cylinder pivot pin CAPSCREW, 1/2"NF x 1" LOCKWASHER, 1/2"  |
| 19             | 627008<br>912789<br>904204                               | 2<br>4<br>4                | COVER, grease, dump cylinder pivot<br>pin<br>CAPSCREW, 1/4"NF x 3/4"<br>LOCKWASHER, 1/4"  |

#### SHOVEL LINKAGE

USAGE: Shovels prior to serial No. 2131

```
ITEM PART NO.
                    QTY.
                            DESCRIPTION
         3017500
                            BOOM ASSEMBLY (Includes items 2 thru 4 and fitting indented below)
         914465
                      2
                                FITTING, lubricating, straight, 1/8"NPT
  2
         626824
                      4
                            BUSHING, boom upper end
  3
         3020542
                      2
                            BUSHING, boom center
  4
         3001031
                      4
                            BUSHING, boom lower end
                      2
  5
         3017372
                            PIN, boom pivot
                      2
         917778
                                NUT, elastic stop, 1-1/2"NF
                                WASHER, plain
  6
         3001559
                      2
                      2
  7
         3022229
                            PIN, cross link pivot (Requires welding to install)
                      2
                                FITTING, lubricating, straight, 1/8"NPT
         914465
                      2
                            WASHER, cross link pivot pin
  8
         3017516
  9
                      2
         3017524
                            WASHER, retaining, pivot pin
 10
         3017314
                      6
                                CAPSCREW, drilled-hd., 5/8"NF x 1-1/4"
         3013593
                                WIRE, locking, #14 x 11"
 11
                      2
 12
         3003921
                      4
                            PIN, bucket
         914465
                      4
                                FITTING, lubricating, straight, 1/8"NPT
                      2
 13
         3001621
                            PIN, retaining, bucket upper pin
                                                                                  Used prior to
         900806
                      2
                                PIN, cotter, 1/8" x 1"
                                                                                   shovel #2044
                      2
         3014387
                            PIN, retaining, bucket lower pin
 14
                      2
         900806
                                PIN, cotter, 1/8" x 1"
 15
         3019023
                      4
                            PIN. bucket
         914465
                      4
                                 FITTING, lubricating, straight, 1/8"NPT
         913743
                      6
                                WASHER, plain (Use as reg'd)
                                                                                  Effective with
                                                                                  Shovel #2044.
 16
         3019625
                      4
                            PIN, retaining, bucket pin
                                                                                  Also see item 33
                      4
                                PIN, cotter, 1/8" x 1"
         900806
         3001147
                      2
                            LINK ASSEMBLY, dump (Includes 2 BUSHING 3001031)
 11
 18
                      4
                            BUSHING, dump link
         3001031
 19
         3019640
                      2
                            PIN, dump link, rear
         914465
                      2
                                FITTING, lubricating, straight, 1/8"NPT
                      4
 20
         3001622
                            PIN, retaining, pivot pin
         900806
                      4
                                PIN, cotter, 1/8" x 1"
         3020115
                      1
                            LINK ASSEMBLY, cross, left (Includes items 7, 22, 23 and fitting in-
                               dented below)
 21
         3020116
                      1
                            LINK ASSEMBLY, cross, right (Includes items 7, 22, 23 and fitting in-
                               dented below)
                      2
         914465
                                 FITTING, lubricating, straight, 1/8"NPT
                      2
 22
         3001066
                            BUSHING, cross link
                      2
 23
         3001155
                            PIN, dump cylinder pivot, front (Requires welding to install)
                      2
         913527
                                NUT, jam, slotted, 1-1/2"NF
                                PIN, cotter, 7/32" x 3"
         910910
                      2
                      2
 2.4
         3001146
                                WASHER, plain
                            PIN, dump cylinder pivot, rear
 25
         3014040
                      2
 26
         3001621
                      2
                            PIN, retaining, dump cylinder rear pivot pin
         900806
                      2
                                 PIN, cotter, 1/8" x 1"
                      2
 27
         3001625
                            PIN, left cylinder pivot, front
```

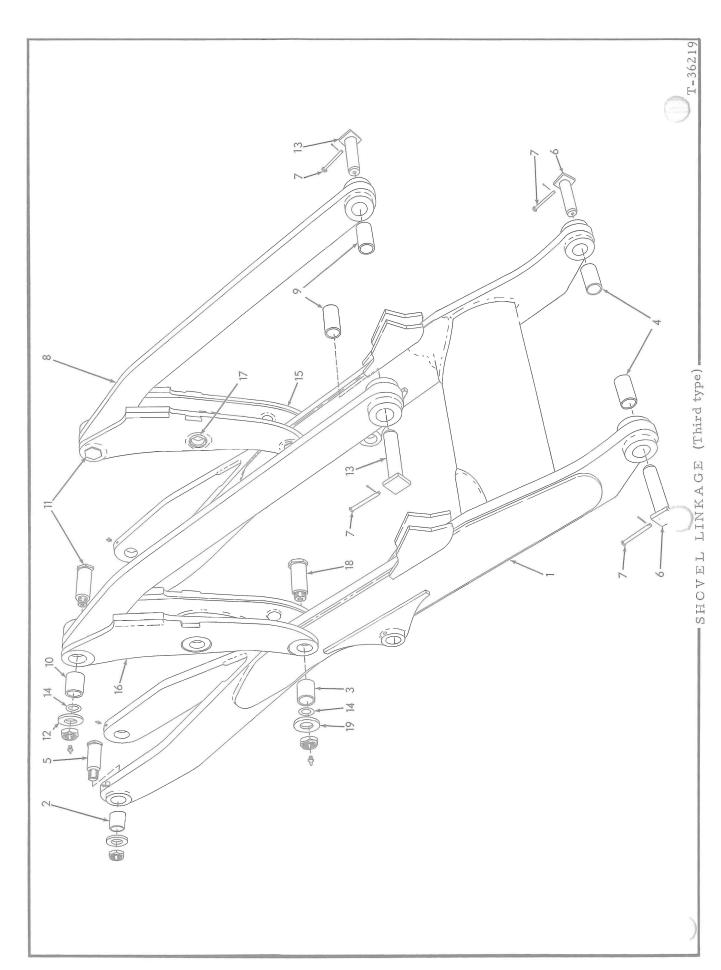
## SHOVEL LINKAGE (Continued)

USAGE: Shovels prior to serial No. 2131

|      | L                             |              |  |
|------|-------------------------------|--------------|--|
| ITEM | PART NO.                      | QTY.         | DESCRIPTION  |
| 30   | 3016120<br>3016838<br>3007380 | 4<br>16<br>8 | CAGE ASSEMBLY, bearing, lift cylinder (Includes item 31) CAPSCREW, drilled-hd., 1/2"NF x 1" WIRE, locking, #16 x 12" |
| 31   | 3016121                       | 4            | BEARING, lift cylinder cage  |
| 32   | 3016473                       | 4            | SLEEVE, bearing (2 halves)(Inner cage only)  |
| 33   | 3019424                       | 1            | PIN KIT, bucket (Consists of items 15 and 16)(Effective with shovel #2044. Not illustrated)                          |
|      |                               |              |  |

## SHOVEL LINKAGE

| USAGE: | Shovels se                    | rial No.     | 2131 thru tractor serial No. 11093   |
|--------|-------------------------------|--------------|--|
| 1      | 3019205<br>914465             | 1<br>2       | BOOM ASSEMBLY (Includes items 2 thru 4 and fitting indented below) FITTING, lubricating, straight, 1/8"NPT |
| 2      | 626824                        | 4            | BUSHING, boom upper end  |
| 3      | 3020542                       | 2            | BUSHING, boom center   |
| 4      | 3001031                       | 4            | BUSHING, boom lower end  |
| 5<br>6 | 3017372<br>917778<br>3001559  | 2<br>2<br>2  | PIN, boom pivot NUT, elastic stop, 1-1/2"NF WASHER, plain  |
| 7      | 3017808                       | 2            | PIN, cross link pivot (Requires welding to install)  |
| 8      | 3017807                       | 2            | PIN, dump cylinder pivot, front (Requires welding to install)  |
| 9      | 3023607                       | -            | SHIM (Use as req'd)  |
| 10     | 3017524<br>3017314<br>3013593 | 4<br>12<br>4 | WASHER, retaining, pivot pin CAPSCREW, drilled-hd., 5/8"NF x 1-1/4" WIRE, locking, #14 x 11"               |
| 13     | 3019023<br>914465<br>913743   | 4<br>4<br>6  | PIN, bucket  FITTING, lubricating, straight, 1/8"NPT  WASHER, plain (Use as req'd)  See item 30            |
| 14     | 3019625<br>900806             | 4<br>4       | PIN, retaining, bucket pin PIN, cotter, 1/8" x 1"  |
| 15     | 3019153                       | 1            | LINK ASSEMBLY, dump, left (Includes item 16)  See page 359 for LINK ASSY'S used                            |
|        | 3019154                       | 1            | LINK ASSEMBLY, dump, right (Includes item 16) on units equipped with Pulpwood Loader                       |
| 16     | 3001031                       | 4            | BUSHING, dump link   |
| 17     | 3019640<br>914465             | 2<br>2       | PIN, dump link, rear FITTING, lubricating, straight, 1/8"NPT   |
| 18     | 3001622<br>900806             | 4<br>4       | PIN, retaining, pivot pin PIN, cotter, 1/8" x 1"   |
| 19     | 3019194                       | I            | LINK ASSEMBLY, cross, left (Includes items 7,8,20 and fitting indented below)                              |
|        | 3019195                       | 1            | LINK ASSEMBLY, cross, right (Includes items 7, 8, 20 and fitting indented below)                           |
|        | 914465                        | 2            | FITTING, lubricating, straight, 1/8"NPf  |
| 20     | 3001066                       | 2            | BUSHING, cross link  |
| 21     | 3014040                       | 2            | PIN, dump cylinder pivot, rear   |
|        | 3001621<br>900806             | 2 2          | PIN, retaining, dump cylinder rear pivot pin PIN, cotter, $1/8" \times 1"$                                 |
|        |                               |              | (Continued)  |



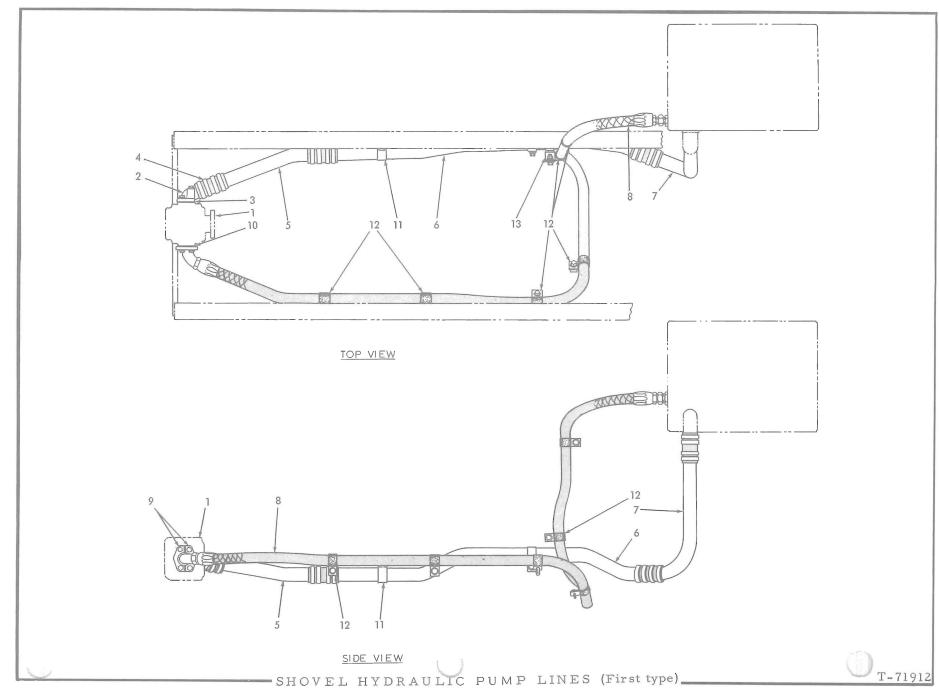
## SHOVEL LINKAGE (Continued)

USAGE: Shovels serial No. 2131 thru tractor serial No. 11093

| 002202   |                               |              |   |
|----------|-------------------------------|--------------|---|
| ITEM     | PART NO.                      | QTY.         | DESCRIPTION   |
|          | 3001625                       | 2            | PIN, lift cylinder pivot, front   |
| 25<br>26 | 3016120<br>3016838<br>3007380 | 4<br>16<br>8 | CAGE ASSEMBLY, bearing, lift cylinder (Includes item 27) CAPSCREW, 1/2"NF x 1" WIRE, locking, #16 x 12" |
| 27       | 3016121                       | 4            | BEARING, lift cylinder cage   |
| 28       | 3016473                       | 4            | SLEEVE, bearing (2 halves)(Inner cage only)   |
| 29       | 627143                        | -            | WASHER, shimming (Outer cage only)(Use as req'd)  |
| 30       | 3019424                       | 1            | PIN KIT, bucket (Consists of items 13 and 14)(Not illustrated)  |
|          |                               |              |   |

## SHOVEL LINKAGE

| USAGE: | Tractor seri                          | al No.           | 11094 and up  |
|--------|---------------------------------------|------------------|---|
| 1      | 650052<br>914465                      | 1<br>4           | BOOM ASSEMBLY (Includes items 2 thru 4) FITTING, lubricating, straight, 1/8"NPT                         |
| 2      | 625747                                | 4                | BUSHING, boom, rear   |
| 3      | 625725                                | 2                | BUSHING, boom, intermediate   |
| 4      | 625724                                | 2                | BUSHING, boom, front  |
| 5      | 625750<br>900825<br>917835            | 4<br>4<br>4      | PIN, boom pivot, rear WASHER, plain, U.S. std., 1-1/4" NUT, elastic stop, 1-1/2"NF                      |
| 6      | 636459<br>914465                      | 2 2              | PIN, boom, front FITTING, lubricating, straight, 1/8"NPT (Early units only)                             |
| 7      | 3020131<br>900806                     | 4<br>4           | PIN, pivot lock PIN, cotter, 1/8" x 1"  |
| 8      | 625723                                | 2                | LINK ASSEMBLY, dump (Includes items 9 and 10)   |
| 9      | 625724                                | 2                | BUSHING, dump link, front   |
| 10     | 625725                                | 2                | BUSHING, dump link, rear  |
| 11     | 625756<br>914465<br>3024182<br>921140 | 2<br>2<br>2<br>2 | PIN, dump link, rear FITTING, lubricating, straight, 1/8"NPT WASHER, plain NUT, elastic stop, 1-1/4"NF  |
| 13     | 636459<br>914465                      | 2 2              | PIN, dump link, front<br>FITTING, lubricating, straight, 1/8"NPT (Early units only)                     |
| 14     | 625757                                | -                | SHIM, pin adjustment (.0359" thick. Use as req'd)   |
| 15     | 626971                                | 1                | LINK, cross, left (Includes item 17)  |
| 16     | 626972                                | 1                | LINK, cross, right (Includes item 17)   |
| 17     | 625865                                | 6                | RING, pin locking (Requires welding to install)   |
| 18     | 625756<br>914465<br>3024182<br>921140 | 2<br>2<br>2<br>2 | PIN, cross link pivot FITTING, lubricating, straight, 1/8"NPT WASHER, plain NUT, elastic stop, 1-1/4"NF |
|        |                                       |                  |   |



### SHOVEL HYDRAULIC PUMP LINES

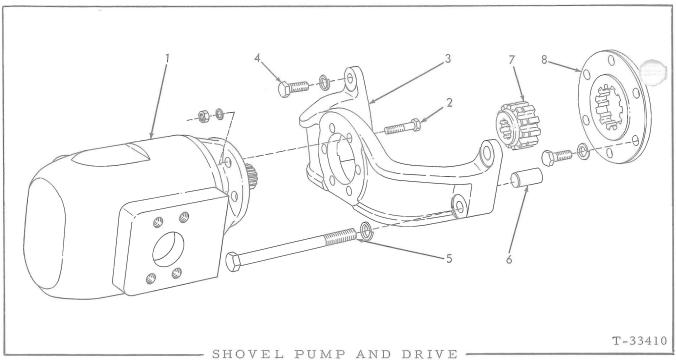
USAGE: Tractors prior to serial No. 11094

| ITEM   | PART NO.  | QTY.                  | DESCRIPTION  |  |
|--------|---|-----------------------|--|--|
| (Sec.) | en en en en en  | 1                     | PUMP (See SHOVEL PUMP AND DRIVE)   |  |
| 2      | 3016873<br>913249<br>916422<br>904208                     | 1<br>2<br>2<br>4      | ADAPTER, suction tube  CAPSCREW, 1/2"NF x 1-1/4"  CAPSCREW, 1/2"NF x 2-3/4"  LOCKWASHER, 1/2"  |  |
| 3      | 3019275   | 1                     | GASKET, suction tube adapter   |  |
| 4      | 623234<br>921913  | 4<br>16               | HOSE, suction tube (2-1/4"I.D. x 4-1/2") CLAMP, hose, adjustable, 1-13/16" to 2-3/4"   |  |
| 5      | 625797  | 1                     | TUBE, suction, pump to tank, front section   |  |
| 6      | 3016872   | 1                     | TUBE, suction, pump to tank, center section  |  |
| 7      | 3016869   | 1                     | TUBE, suction, pump to tank, rear section  |  |
| 0      | 3016868   | 1                     | HOSE ASSEMBLY, pressure, pump to tank (See page 6 for parts) (Used prior to shovel #2114 including Nos. 2116 thru 2127 and 2130)                                       |  |
| 8      | 3019620   | 1                     | HOSE ASSEMBLY, pressure, pump to tank (See page 6 for parts) (Effective with shovel #2114 excluding Nos. 2116 thru 2127 and 2130)                                      |  |
| 9      | 921118<br>913249<br>904208                                | 2<br>4<br>4           | FLANGE, split, hose attaching (half only)  CAPSCREW, 1/2"NF x 1-1/4"  LOCKWASHER, 1/2"   |  |
| ,      | 924193  | 1                     | O-RING, pressure hose  |  |
| 11     | 3012545<br>914875<br>913249<br>904208<br>910244           | 3<br>3<br>3<br>3      | CLAMP, hose, suction tube CAPSCREW, 1/2"NF x 1" (Prior to shovel #2131) CAPSCREW, 1/2"NF x 1-1/4" (Shovel #2131 and up) LOCKWASHER, 1/2" WASHER, plain, 1/2"           |  |
| 12     | 3024424<br>914875<br>913249<br>904208<br>910244<br>911043 | 6<br>1<br>4<br>5<br>5 | CLAMP, hose, pressure line (1 less used with HOSE ASSY. 3016868)  CAPSCREW, 1/2"NF x 1"  CAPSCREW, 1/2"NF x 1-1/4"  LOCKWASHER, 1/2"  WASHER, plain, 1/2"  NUT, 1/2"NF |  |
| 13     | 3016864<br>913249<br>904208<br>910244<br>911043           | 1<br>1<br>1<br>1      | ANGLE, hose supporting CAPSCREW, 1/2"NF x 1-1/4" LOCKWASHER, 1/2" WASHER, plain, 1/2" NUT, 1/2"NF  |  |
| 14     | 3017365   | 1                     | GUARD, hose (Used with 3016868 HOSE ASSY. only)(Not illustrated)   |  |

# SHOVEL HYDRAULIC PUMP LINES

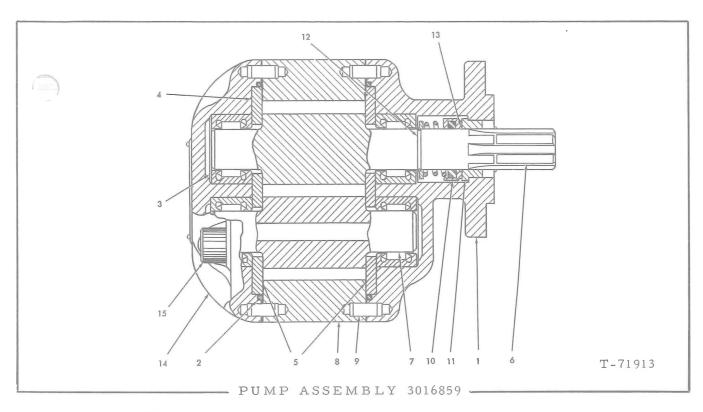
USAGE: Tractors serial No. 11094 and up

| IL. A       | PART NO.  | QTY.                  | DESCRIPTION   |
|-------------|---|-----------------------|---|
| L           |   | 1                     | PUMP (See SHOVEL PUMP AND DRIVE)  |
| 2<br>3<br>4 | 625799<br>035061<br>012871<br>904208            | 1<br>2<br>2<br>4      | ADAPTER, suction tube  CAPSCREW, 1/2"NC x 1-1/4"  CAPSCREW, 1/2"NC x 2-3/4"  LOCKWASHER, 1/2"                             |
| 5           | 3019275   | 1                     | GASKET, suction tube adapter  |
| 6           | 623234<br>921913                                | 4<br>16               | HOSE, suction tube (2-1/4"I.D. x 4-1/2") CLAMP, hose, adjustable, 1-13/16" to 2-3/4"                                      |
| 7           | 625797  | 1                     | TUBE, suction, pump to tank, front section  |
| 8           | 625798  | 1                     | TUBE, suction, pump to tank, center section   |
| 9           | 625809  | 1                     | TUBE, suction, pump to tank, rear section   |
| 10          | 646240  | 1                     | HOSE, pressure, pump to tank (See page 6)   |
| 1 1<br>1 2  | 921118<br>035061<br>904208                      | 2<br>4<br>4           | FLANGE, split, #24 (half only)  CAPSCREW, 1/2"NC x 1-1/4"  LOCKWASHER, 1/2"   |
| 13          | 924193  | 1                     | O-RING, pressure hose   |
| 14<br>15    | 3012545<br>070469<br>904208<br>910244           | 2<br>2<br>2<br>2      | CLAMP, hose, suction tube CAPSCREW, 1/2"NF x 1-1/4" LOCKWASHER, 1/2" WASHER, plain, SAE std., 1/2"                        |
| 1.6         | 3024424<br>918493<br>913249<br>904208<br>910244 | 4<br>2<br>2<br>4<br>4 | CLAMP, pressure hose  CAPSCREW, 1/2"NF x 7/8"  CAPSCREW, 1/2"NF x 1-1/4"  LOCKWASHER, 1/2"  WASHER, plain, SAE std., 1/2" |



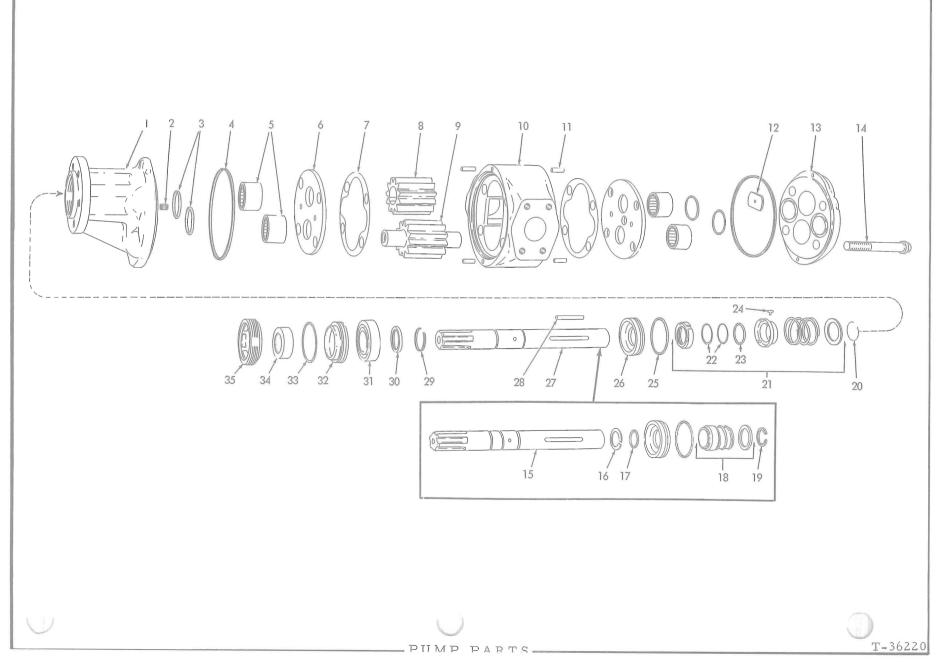
\* Tractors prior to serial No. 11094 \*\* Tractors serial No. 11094 and up

|             |   |                                      |                  |             | ridetorb beriarites, rio, rand ap  |
|-------------|---|--------------------------------------|------------------|-------------|--|
| ITEM        | P | ART NO.                              |                  | ΓΥ.<br>**   | DESCRIPTION  |
|             |   | 3016859                              | 1                | -           | PUMP ASSEMBLY (See page 287 for parts)   |
|             |   | 3018612                              | -                | 1           | PUMP ASSEMBLY (See page 289 for parts)(Original equipment Order PUMP ASSEMBLY 627981 and ADAPTER 627982)               |
| 1           |   | 3029952                              | -                | 1           | PUMP ASSEMBLY (See page 289 for parts)(First Service replacement. Order PUMP ASSEMBLY 627981 and ADAPTER 627982)       |
|             |   |                                      |                  |             | PUMP ASSEMBLY (See page 291 for parts)(Second Service replacement)   |
| 2           | { | 916383<br>056590<br>904206<br>911041 | 6 6              | 6 6         | CAPSCREW, 3/8"NF x 1-1/2" CAPSCREW, 3/8"NF x 1-5/8" LOCKWASHER, 3/8" NUT, 3/8"NF                                       |
| 3<br>4<br>5 |   | 624120<br>035190<br>088356<br>904208 | 1<br>2<br>2<br>4 | 2 2         | BRACKET ASSEMBLY, pump mounting (Includes item 6) CAPSCREW, 1/2"NC x 1-1/2" CAPSCREW, 1/2"NC x 6-1/4" LOCKWASHER, 1/2" |
| 6           |   | 087689                               | 2                | 2           | PIN, dowel   |
| 7           | { | 625881                               | I                | -           | ADAPTER, drive coupling (Used with PUMP ASSY'S 3016859, 3018612 and 3029952 only)                                      |
|             |   | 627982                               | ***              | 1           | ADAPTER, drive coupling (Used with PUMP ASSY. 627981 only)   |
| 8           |   | 625882<br>916311<br>904208           | 6                | l<br>6<br>6 | COUPLING, drive<br>CAPSCREW, 1/2"NC x 1-1/4"<br>LOCKWASHER, 1/2"   |



| ITEM     | PART NO.           | QTY.   | DESCRIPTION   |
|----------|--------------------|--------|---|
| 1        | 3009546            | 1      | COVER, adapting   |
| )        | 923591             | 2      | O-RING, cover   |
| 3        | 3025030            | 4      | BEARING, roller   |
| 4        | 3003009            | 2      | PLATE, wear   |
| 5        | 3003691            | -      | GASKET, shimming (.001" thick. Use as req'd)                                  |
| 5        | 3003692            | -      | GASKET, shimming (.002" thick. Use as req'd)                                  |
| 6        | 3003007            | 1      | GEAR, drive   |
| 7        | 3003004            | 1      | GEAR, driven  |
| 8        | 3016856            | 1      | HOUSING, pump   |
| 9        | 3003002            | 4      | PIN, dowel, pump housing  |
| 10       | 3007753            | 1      | SEAL ASSEMBLY, drive shaft (Serviced only as a unit)(Also order SEAT 3007752) |
| 1 1      | 3007752            | 1      | SEAT, drive shaft seal  |
| 12       | 3003689            | 1      | RING, snap, drive shaft   |
| 13       | 3002997            | 1      | RING, snap, drive shaft   |
| 14<br>15 | 3007756<br>3003010 | 1<br>4 | COVER, housing CAPSCREW, hex-socket, 5/8"NF x 4-1/2"                          |





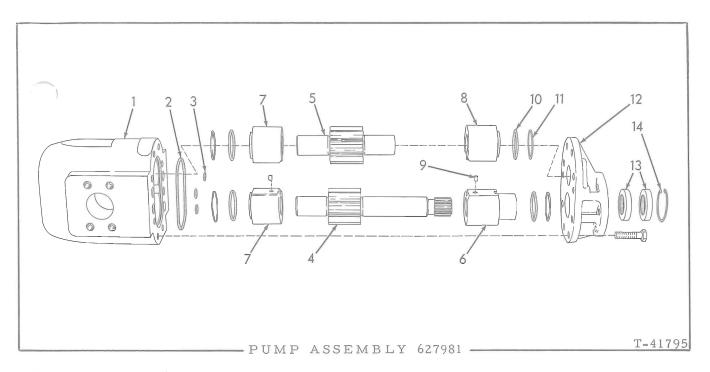
#### PUMP PARTS

USAGE: See page 286

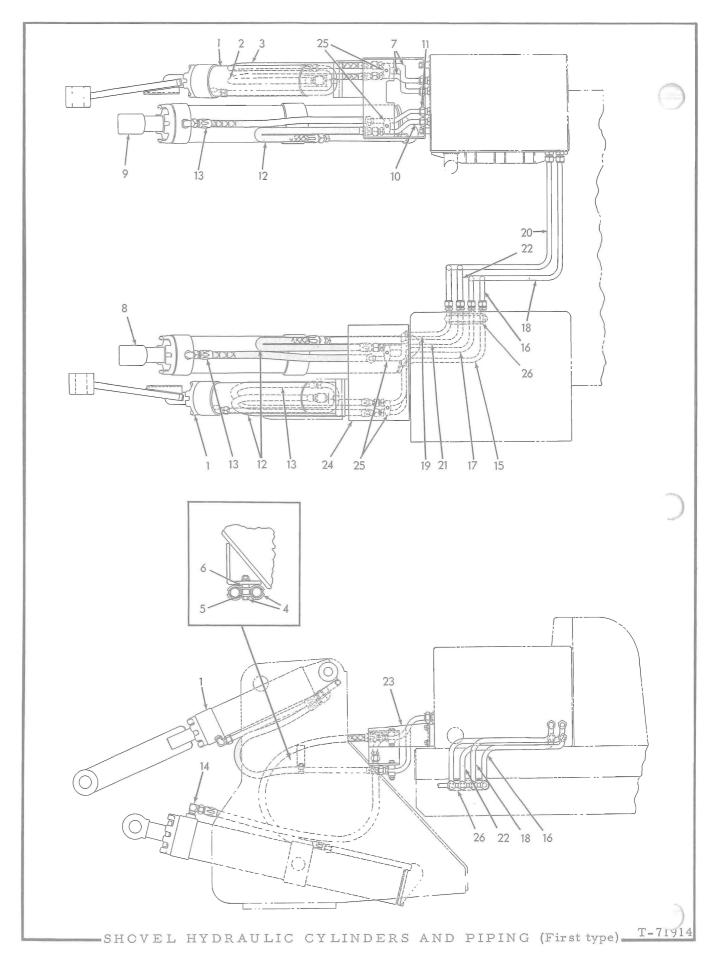
```
* 3018612 PUMP ASSEMBLY
                            ** 3029952 PUMP ASSEMBLY
                    QTY.
       PART NO.
                            DESCRIPTION
ITEM
          3025004
                            COVER ASSEMBLY, adapting (Includes item 2)
                        1
                            VALVE ASSEMBLY, check (Serviced only as a unit)
          3035201
   3
          923813
                            O-RING, pump housing (small)
                   4
                        4
          923591
                   2
                        2
                            O-RING, pump housing (large)
   5
          3025030
                        4
                            BEARING, roller
   6
                            PLATE, wear
          3025018
                   2
                        2
          3003691
                            GASKET, shimming (.001" thick. Use as req'd)
          3003692
                            GASKET, shimming (.002" thick. Use as req'd)
   8
          3025020
                        1
                            GEAR, drive
   9
          3003004
                            GEAR, driven
                        1
  10
                            HOUSING, pump
          3025019
                        1
  11
                            PIN, dowel, pump housing (hollow)
          3015658
                   4
                        4
  12
          3025031
                            WASHER, thrust, drive shaft
                        1
  1.
          3025021
                        1
                            COVER, housing
          3003010
                                CAPSCREW, hex-socket, 5/8"NF x 4-1/2"
  15
          3028739
                            SHAFT, drive
  16
          3025026
                   1
                            RING, back-up, drive shaft
  17
          923566
                   1
                            O-RING, drive shaft
  18
          3025006
                            SEAL ASSEMBLY, drive shaft (Serviced only as a unit)
          3025001
                            RING, snap, drive shaft
  19
  20
          3003689
                            RING, snap, drive shaft
                        1
  21
          3031200
                        1
                            SEAL ASSEMBLY, drive shaft (Includes items 22 thru 24)
  22
          3031202
                        2
                            RING, back-up, drive shaft
  23
          923567
                            O-RING, drive shaft seal
                        1
  24
          3031173
                            PIN, seal locating
                        ]
  25
          923572
                        1
                            O-RING, drive shaft seal seat
  26
          3025007
                            SEAT, drive shaft seal
                        1
  27
          3031199
                        1
                            SHAFT, drive
```

| PU | MP | PAR | TS | (Continu | ed) |
|----|----|-----|----|----------|-----|
|----|----|-----|----|----------|-----|

|      |          | Q' | TY. |                              |
|------|----------|----|-----|------------------------------|
| ITEM | PART NO. | *  | **  | DESCRIPTION                  |
| 28   | 3025029  | 1  | 1   | KEY, straight                |
| 29   | 3025028  | 1  | 1   | RING, snap, bearing retainer |
| 30   | 3025008  | 1  | 1   | RETAINER, bearing            |
| 31   | 3025009  | 1  | 1   | BEARING, ball, drive shaft   |
| 32   | 3025011  | 1  | 1   | RETAINER, seal, drive shaft  |
| 33   | 923573   | 1  | 1   | O-RING, retainer             |
| 34   | 3028740  | 1  | 1   | SEAL, drive shaft            |
| 35   | 3025024  | 1  | 1   | NUT, retaining, drive shaft  |



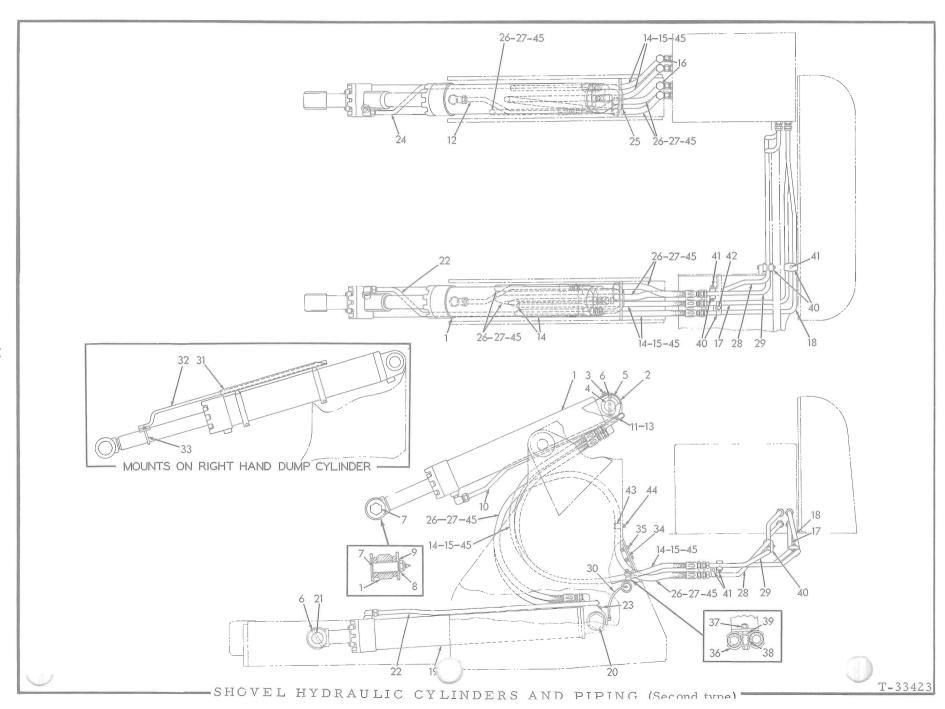
| ITEM | PART NO.                     | QTY. | DESCRIPTION                                       |
|------|------------------------------|------|---|
| 1    | 637311                       | 1    | BODY, pump  |
| 2    | 637294                       | 1    | O-RING, pump body (large)                         |
| 3    | 637299                       | 3    | O-RING, pump body (small)                         |
|      | and one and the best nee     | 1    | SHAFT AND GEAR, drive                             |
| 5    | per loss that pile body area | 1    | SHAFT AND GEAR, driven                            |
| 6    | BOT BILD DOT YES DOWN BOTH   | 1    | BUSHING, drive shaft Order item 15                |
| 7    | now and not only you are     | 2    | BUSHING, shaft                                    |
| 8    | and that has been been       | 1    | BUSHING, driven shaft                             |
| 9    | 923143                       | 2    | PIN, dowel, bushing $(1/4" \times 5/16")$         |
| 10   | 637297                       | 4    | O-RING, bushing                                   |
| 11   | 637303                       | 4    | RING, back-up, bushing O-ring                     |
| 12   | 637305<br>916395             | 1    | FLANGE, adapting CAPSCREW, 7/16"NF x 1-1/4"       |
| 13   | 637304                       | 2    | SEAL, drive shaft and gear                        |
| 14   | 637302                       | 1    | RING, snap, seal retaining                        |
| 15   | 645098                       | I    | PUMP REPAIR KIT (Includes items 2 thru 11 and 13) |



### SHOVEL HYDRAULIC CYLINDERS AND PIPING

USAGE: Tractors prior to serial No. 11094

| ITEM P   | ART NO.   | QTY.                  | DESCRIPTION   |
|----------|---|-----------------------|---|
| (20.22)  | 3016305   | 2                     | CYLINDER ASSEMBLY, dump (See page 299 for parts)(Shovels prior to #2131)  |
| 1        | 3019221   | 2                     | CYLINDER ASSEMBLY, dump (See page 301 for parts)(Shovels #2131 and up)  |
| 2        | 3016242   | 2                     | HOSE ASSEMBLY, dump cylinder (See page 6 for parts)   |
| 3        | 3016241   | 2                     | HOSE ASSEMBLY, dump cylinder retracting (See page 6 for parts)  |
| 4        | 3016323<br>915480<br>911115<br>904206<br>911041 | 4<br>2<br>2<br>2<br>2 | CLAMP, hose, dump cylinder (half only)  CAPSCREW, 3/8"NF x 1-3/4"  WASHER, plain, 3/8"  LOCKWASHER, 3/8"  NUT, 3/8"NF                             |
| 5        | 3016235   | 2                     | SPACER, hose clamp (long)   |
| 6        | 625792  | 2                     | SPACER, hose clamp (short)  |
| 7        | 3016321   | 2                     | TUBE ASSEMBLY, right dump cylinder (Includes nuts)  |
| 8        | 3016539   | 1                     | CYLINDER ASSEMBLY, lift, left (See page 305 for parts)  |
| 9        | 3016540   | 1                     | CYLINDER ASSEMBLY, lift, right (See page 305 for parts)   |
| 10       | 3016320   | 1                     | TUBE ASSEMBLY, raise, right lift cylinder (Includes nuts)   |
| 11       | 3016820   | 1                     | TUBE ASSEMBLY, lowering, right lift cylinder (Includes nuts)  |
| _ /      | 3016244<br>919342                               | 2 2                   | HOSE ASSEMBLY, raise, lift cylinder (See page 6 for parts) CONNECTOR, flare type, 3/4" tube, 3/4"NPT male (Requires wilding to install) to shovel |
| 1.2      | 915758  | 2                     | COUPLING, pipe, 3/4" straight thread #3769  |
| 13<br>14 | 3016243<br>3002184                              | 2 2                   | HOSE ASSEMBLY, lowering, lift cylinder (See page 6 for parts) ELBOW, 90°  |
| 15       | 3016287   | 1                     | TUBE, left cylinder dump (front section)  |
| 16       | 3016813   | 1                     | TUBE ASSEMBLY, left cylinder dump (rear section)(Includes nuts)   |
| 17       | 3016288   | 1                     | TUBE, dump cylinder retracting, left (front section)  |
| 18       | 3016814   | 1                     | TUBE ASSEMBLY, dump cylinder retracting, left (rear section)(Includes nuts)   |
| 19       | 3016286   | 1                     | TUBE, lift cylinder raise, left (front section)   |
| 20       | 3016819   | 1                     | TUBE ASSEMBLY, lift cylinder raise, left (rear section)   |
| 21       | 3016285   | 1                     | TUBE, lift cylinder lowering, left (front section)  |
| 22       | 3016817   | 1                     | TUBE ASSEMBLY, lift cylinder lowering, left (rear section)(Includes nuts)   |
| 23       | 3016326<br>914875<br>904208<br>910244           | 1<br>4<br>4<br>4      | BRACKET, clamp supporting (right side) CAPSCREW, 1/2"NF x 1" LOCKWASHER, 1/2" WASHER, plain, 1/2"   |



# SHOVEL HYDRAULIC CYLINDERS AND PIPING (Continued)

| ITEM     | PART NO.                     | QTY.        | DESCRIPTION   |
|----------|------------------------------|-------------|---|
| 18       | 625805                       | 1           | TUBE ASSEMBLY, retracting, left dump cylinder (Includes nuts)   |
|          | 625789                       | 1           | CYLINDER ASSEMBLY, lift, left (See page 307 for parts)  |
| 19       | 625790                       | 1           | CYLINDER ASSEMBLY, lift, right (See page 307 for parts)   |
|          | 914465                       | 2           | FITTING, lubricating, straight, 1/8"NPT   |
| 20       | 625755                       | 2           | PIN, pivot, rear, lift cylinder   |
| 21       | 625753                       | 2           | PIN, pivot, front, lift cylinder  |
| 22       | 625783                       | 1           | TUBE ASSEMBLY, left cylinder (Includes nuts, sleeve and clip)   |
| 23       | 919269<br>915408<br>036032   | 1<br>1<br>1 | ELBOW, flare type, 3/4" tube, 3/4"NPT male CAPSCREW, 3/8"NC x 3/4" (Early units)                          |
|          | 904206                       | 1           | CAPSCREW, 3/8"NF x 3/4" (Late units) LOCKWASHER, 3/8"   |
|          | 911115                       | 1           | WASHER, plain, SAE std., 3/8"   |
| 24       | 625784<br>919269             | 1<br>1      | TUBE ASSEMBLY, right cylinder (Includes nuts, sleeve and clip) ELBOW, flare type, 3/4" tube, 3/4"NPT male |
| 25       | 915408<br>036032             | 1<br>1      | CAPSCREW, 3/8"NC x 3/4" (Early units) CAPSCREW, 3/8"NF x 3/4" (Late units)                                |
|          | 904206                       | 1           | LOCKWASHER, 3/8"  |
|          | 911115                       | 1           | WASHER, plain, SAE std., 3/8"   |
| 26       | 625836                       | 4           | HOSE ASSEMBLY, lift cylinder (Includes item 27. Also see page 6 for parts)                                |
|          | 919269                       | 2           | ELBOW, flare type, 3/4" tube, 3/4"NPT male  |
| 27       | prof other man care toda and | 4           | GUARD, hose protecting (45" long. Order item 45)  |
| 38       | 625808                       | 1           | TUBE ASSEMBLY, raise, left lift cylinder (Includes nuts)  |
| 29       | 625807                       | 1           | TUBE ASSEMBLY, lowering, left lift cylinder (Includes nuts)   |
| 30       | 3011347<br>911049            | 2 2         | TUBE ASSEMBLY, lubricating (flexible. Includes nuts) NUT, jam, 5/8"NF                                     |
|          | 915399                       | 2           | ELBOW, street, brass, 90°, 1/8"NPT  |
|          | 914465                       | 2           | FITTING, lubricating, straight, 1/8"NPT   |
| 31       | 625692<br>920622             | 1<br>2      | TUBE, supporting, rod indicator CAPSCREW, 5/16"NF x 1"  |
|          | 904205                       | 2           | LOCKWASHER, 5/16"   |
|          | 913636                       | 2           | NUT, 5/16"NF  |
| 32<br>33 | 625687<br>625693             | 1<br>1      | ROD, level indicator U-BOLT, 5/16"NC  |
| 33       | 904205                       | 2           | LOCKWASHER, 5/16"   |
|          | 911025                       | 2           | NUT, 5/16"NC  |
| 34<br>35 | 625794<br>012992             | 2           | PLATE, clamp supporting CAPSCREW, 3/8"NF x 1-1/4"   |
| 2.3      | 911115                       | 4           | WASHER, plain, SAE std., 3/8"   |
|          | 904206<br>911041             | 4<br>4      | LOCKWASHER, 3/8" NUT, 3/8"NF  |
| 36       | 3016323                      | 4           | CLAMP, hose, dump cylinder (half only)  |
| 37       | 915480                       | 2           | CAPSCREW, $3/8$ "NF x 1-3/4"  |
|          | 904206<br>911041             | 2           | LOCKWASHER, 3/8" NUT, 3/8"NF  |
| )        |                              |             |   |

### SHOVEL HYDRAULIC CYLINDERS AND PIPING (First type)(Continued)

USAGE: Tractors prior to serial No. 11094

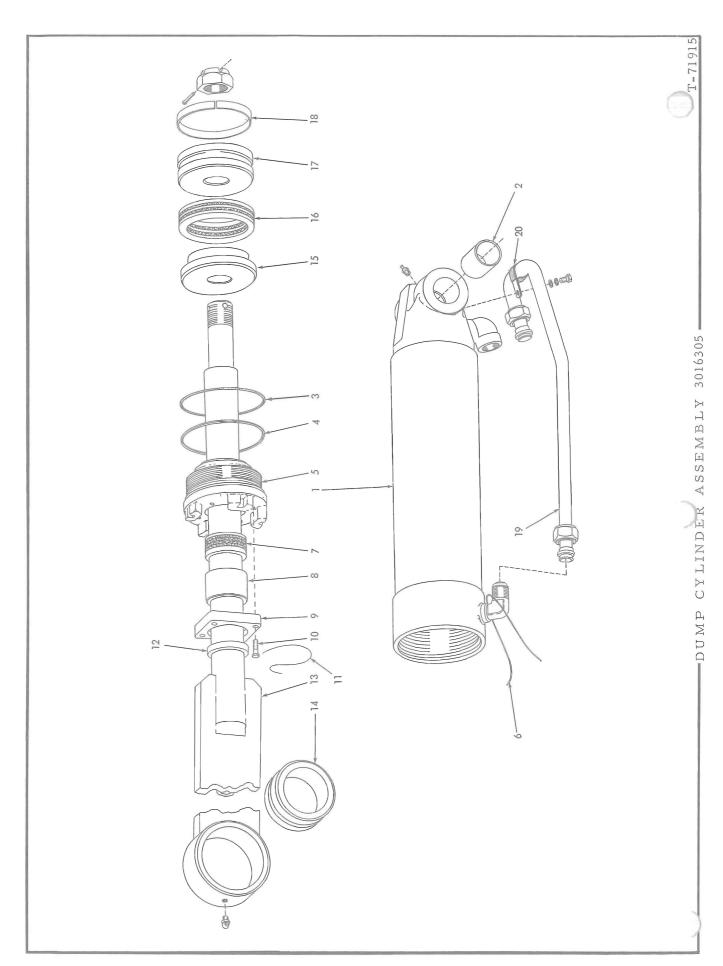
| ITEM | PART NO.                                       | QTY.             | DESCRIPTION   |
|------|--|------------------|---|
| 24   | 3016318<br>916311<br>904208<br>910244          | 1<br>3<br>3<br>6 | BRACKET, clamp supporting (left side) CAPSCREW, 1/2"NC x 1-1/4" LOCKWASHER, 1/2" WASHER, plain, SAE std., 1/2"          |
| 25   | 625796<br>916388<br>911115<br>904206<br>911041 | 8<br>4<br>4<br>4 | CLAMP, tube supporting (half only) CAPSCREW, 3/8"NF x 2-3/4" WASHER, plain, SAE std., 3/8" LOCKWASHER, 3/8" NUT, 3/8"NF |
| 26   | 3005900<br>916386<br>904206                    | 2<br>2<br>2      | CLAMP, tube supporting (half only) CAPSCREW, 3/8"NF x 2-1/4" LOCKWASHER, 3/8"   |

### SHOVEL HYDRAULIC CYLINDERS AND PIPING

| USAGE: | Tractors se                                    | erial N          | To. 11094 and up   |
|--------|--|------------------|--|
| 1      | 625815   | 2                | CYLINDER ASSEMBLY, dump (See page 303 for parts)   |
| 2 3    | 627009<br>035244<br>904206                     | 2<br>2<br>2      | SHIELD, grease, dump cylinder (Not original equipment) CAPSCREW, 3/8"NC x 3/4" LOCKWASHER, 3/8"  |
| 4      | 625751   | 2                | PIN, pivot, upper, dump cylinder   |
| 5      | 635412   | -                | SHIM, pin adjustment, dump cylinder (Use as req'd)(Not original equipment)   |
| 6      | 3001622<br>900806                              | 4                | PIN, lock, cylinder pivot<br>PIN, cotter, 1/8" x 1"  |
| 7      | 625756<br>914465                               | 2 2              | PIN, pivot, lower, dump cylinder FITTING, lubricating, straight, 1/8"NPT   |
| 8      | 3024182<br>921140                              | 2 2              | WASHER, plain<br>NUT, elastic stop, 1-1/4"NF   |
| 9      | 625757   | -                | SHIM, pin adjustment (.0359" thick. Use as req'd)  |
| 10     | 625814<br>919269<br>036032<br>904206<br>911115 | 1<br>1<br>1<br>1 | TUBE ASSEMBLY, left cylinder (Includes nuts, sleeve and clip) ELBOW, flare type, 3/4" tube, 3/4"NPT male CAPSCREW, 3/8"NF x 3/4" LOCKWASHER, 3/8" WASHER, plain, SAE std., 3/8"  |
| 12     | 625813<br>919269<br>036032<br>904206<br>911115 | 1<br>1<br>1<br>1 | TUBE ASSEMBLY, right cylinder (Includes nuts, sleeve and clip) ELBOW, flare type, 3/4" tube, 3/4"NPT male CAPSCREW, 3/8"NF x 3/4" LOCKWASHER, 3/8" WASHER, plain, SAE std., 3/8" |
| 14     | 625835<br>919269                               | 4<br>2           | HOSE ASSEMBLY, dump cylinder (Includes item 15. Also see page 6 for parts)  ELBOW, flare type, 3/4" tube, 3/4"NPT male   |
| 15     | print the SSS are not tree                     | 4                | GUARD, hose protecting (48-1/2" long. Order item 45)   |
| 16     | 625793   | 4                | ELBOW, swivel, dump cylinder hose (90°)  |
| 17     | 625806   | 1                | TUBE ASSEMBLY, dump, left dump cylinder (Includes nuts)  |
|        |  |                  | (Continued)  |

### SHOVEL HYDRAULIC CYLINDERS AND PIPING (Continued)

| ITEM           | PART NO.                                       | QTY.                  | DESCRIPTION   |
|----------------|--|-----------------------|---|
| 3              | 625791   | 2                     | SPACER, hose clamp (long)   |
| 59             | 625792   | 2                     | SPACER, hose clamp (short)  |
| 40<br>41<br>42 | 625796<br>045174<br>620253<br>904206<br>911041 | 8<br>3<br>1<br>4<br>3 | CLAMP, tube supporting (half only)  CAPSCREW, 3/8"NF x 2-1/2"  CAPSCREW, 3/8"NF x 2-3/4"  LOCKWASHER, 3/8"  NUT, 3/8"NF |
| 43<br>44       | 624955<br>012992<br>904206                     | 2<br>2<br>2           | CLAMP, hose, lift cylinder<br>CAPSCREW, 3/8"NF x 1-1/4"<br>LOCKWASHER, 3/8"   |
| 45             | 3023140  | 1                     | GUARD, hose, 3/4" x 14 ft. roll (Use as req'd)  |



#### DUMP CYLINDER ASSEMBLY 3016305

| ITTM          | PART NO.                              | QTY.        | DESCRIPTION  |  |  |  |
|---------------|---------------------------------------|-------------|--|--|--|--|
| /             |                                       |             | NOTE: Quantities indicated are for (1) one cylinder only   |  |  |  |
| 1             | 3016300<br>914465                     | 1<br>1      | TUBE ASSEMBLY, cylinder (Includes item 2) FITTING, lubricating, straight, 1/8"NPT  |  |  |  |
| 2             | 3001031                               | 2           | BUSHING, cylinder pivot  |  |  |  |
| 3             | 923591                                | 1           | O-RING, cylinder head (See item 21)  |  |  |  |
| 4             | 3016306                               | 1           | RING, back-up (See item 21)  |  |  |  |
| 5<br>6        | 3016301<br>023756                     | 1           | HEAD, cylinder<br>WIRE, locking, 1/16" x 26"   |  |  |  |
| 7             | 3007015                               | 1           | PACKING SET, rod (See item 21)   |  |  |  |
| 8             | 3004989                               | 1           | BEARING, rod packing (See item 21)   |  |  |  |
| 9<br>10<br>11 | 3013386<br>033182<br>023756           | 1<br>4<br>1 | PLATE, end CAPSCREW, drilled-hd., 3/8"NC x 1-1/2" WIRE, locking, 1/16" x 26"  See item 21.                                   |  |  |  |
| 12            | 3001088                               | 1           | SEAL, piston rod wiping (See item 21)  |  |  |  |
| 13            | 3003820<br>915276<br>911058<br>901345 | 1<br>1<br>1 | ROD ASSEMBLY, piston (Includes item 14) FITTING, lubricating, 90°, 1/8"NPT NUT, slotted, 1-1/2"NF PIN, cotter, 1/4" x 2-1/2" |  |  |  |
| , )           | 3017695                               | 1           | BUSHING, piston rod  |  |  |  |
| 15            | 3001315                               | 1           | PISTON, front  |  |  |  |
| 16            | 3001472                               | 1           | PACKING SET, piston (See item 21)  |  |  |  |
| 17            | 3001479                               | 1           | PISTON, rear   |  |  |  |
| 18            | 3001481                               | 1           | RING, bearing (See item 21)  |  |  |  |
| 19            | 3016844<br>3011853                    | 1           | TUBE ASSEMBLY (Includes nuts) ELBOW, 90° (Requires welding to install)   |  |  |  |
| 20            | 3016304<br>915408<br>904206<br>911115 | 1<br>1<br>1 | CLAMP, tube supporting CAPSCREW, 3/8"NC x 3/4" LOCKWASHER, 3/8" WASHER, plain, SAE std., 3/8"                                |  |  |  |
| 21            | 3017560                               | -           | REPAIR KIT (Includes parts for one (1) cylinder only; items 3, 4, 7, 8, 10, 11, 12, 16 and 18)                               |  |  |  |

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### DUMP CYLINDER ASSEMBLY 3019221

| ITEM           | PART NO.                              | QTY.        | DESCRIPTION   |  |  |  |
|----------------|---------------------------------------|-------------|---|--|--|--|
| (122-5)        |                                       |             | NOTE: Quantities indicated are for one (1) cylinder only                                      |  |  |  |
| 1              | 3019220<br>914465                     | 1           | TUBE ASSEMBLY, cylinder (Includes item 2) FITTING, lubricating, straight, 1/8"NPT             |  |  |  |
| 2              | 3001031                               | 2           | BUSHING, cylinder pivot   |  |  |  |
| 3              | 923592                                | 1           | O-RING, cylinder head (See item 24)   |  |  |  |
| 4              | 3013388                               | 1           | RING, back-up (See item 24)   |  |  |  |
| 5<br>6         | 3017499<br>023756                     | 1           | HEAD, cylinder<br>WIRE, locking, 1/16" x 26"  |  |  |  |
| 7              | 3017249                               | 1           | PACKING SET, rod (See item 24)  |  |  |  |
| 8              | 3001532                               | 1           | RING, adapter, male (See item 24)   |  |  |  |
| 9              | 3016601                               | 1           | BEARING, rod packing (See item 24)  |  |  |  |
| 10<br>11<br>12 | 3016405<br>033182<br>023756           | 1<br>4<br>1 | PLATE, end CAPSCREW, drilled-hd., 3/8"NC x 1-1/2" WIRE, locking, 1/16" x 26"  See item 24     |  |  |  |
| 13             | 3001538                               | 1           | SEAL, piston rod wiping (See item 24)   |  |  |  |
| 14             | 3019222<br>915276                     | 1           | ROD ASSEMBLY, piston (Includes item 15)<br>FITTING, lubricating, 90°, 1/8"NPT                 |  |  |  |
| 1              | 3017695                               | 1           | BUSHING, piston rod   |  |  |  |
| 16             | 3017469                               | 1           | PISTON, front   |  |  |  |
| 17             | 3013377                               | 1           | PACKING SET, piston (See item 24)   |  |  |  |
| 18             | 3013376                               | -           | SHIM, packing set (Use as req'd)  |  |  |  |
| 19             | 3017459                               | 1           | PISTON, rear  |  |  |  |
| 20             | 3013392                               | 1           | RING, bearing (See item 24)   |  |  |  |
| 21             | 3017556                               | 1           | NUT, lock, piston rod   |  |  |  |
| 22             | 3019219<br>919269                     | 1           | TUBE ASSEMBLY (Includes nuts) ELBOW, flare type, 3/4" tube, 3/4"NPT male                      |  |  |  |
| 23             | 3016304<br>915408<br>904206<br>911115 | 1<br>1<br>1 | CLAMP, tube supporting CAPSCREW, 3/8"NC x 3/4" LOCKWASHER, 3/8" WASHER, plain, SAE std., 3/8" |  |  |  |
| 24             | 3019675                               | 809         | REPAIR KIT (Includes parts for one (1) cylinder only; items 3,4,7,8,9,11,12,13,17 and 20)     |  |  |  |

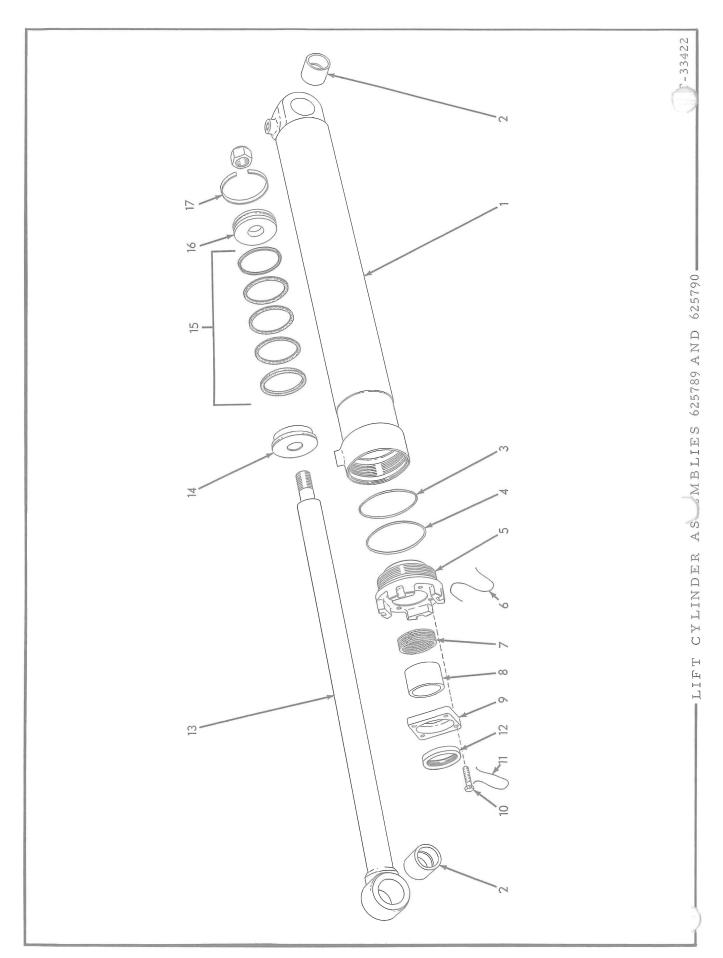
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# DUMP CYLINDER ASSEMBLY 625815

| ITEM          | PART NO.                    | QTY.        | DESCRIPTION  |  |
|---------------|-----------------------------|-------------|--|--|
| (2.25)        |                             |             | NOTE: Quantities indicated are for one (1) cylinder only                     |  |
| 1             | 636547                      | 1           | TUBE ASSEMBLY, cylinder (Includes item 2)                                    |  |
| 2             | 3022617                     | 1           | BUSHING, cylinder pivot  |  |
| 3             | 923592                      | 1           | O-RING, cylinder head  |  |
| 4             | 3013388                     | 1           | RING, back-up  |  |
| 5             | 3017499<br>023756           | 1<br>1      | HEAD, cylinder<br>WIRE, locking, 1/16" x 26"                                 |  |
| 7             | 626182                      | 1           | PACKING SET, rod   |  |
| 8             | 3016601                     | 1           | BEARING, rod packing   |  |
| 9<br>10<br>11 | 3016405<br>033182<br>023756 | 1<br>4<br>1 | PLATE, end CAPSCREW, drilled-hd., 3/8"NC x 1-1/2" WIRE, locking, 1/16" x 26" |  |
| 12            | 3001538                     | 1           | SEAL, piston rod wiping  |  |
| 13            | 625817                      | 1           | ROD ASSEMBLY, piston (Includes item 14)                                      |  |
| 14            | 625725                      | 1           | BUSHING, piston rod  |  |
| 15            | 3017469                     | 1           | PISTON, front  |  |
| )             | 3013377                     | 1.          | PACKING SET, piston  |  |
| 17            | 625816                      | 1           | PISTON, rear   |  |
| 18            | 3013392                     | 1           | RING, bearing  |  |
| 19            | 3017556                     | 1           | NUT, lock, piston rod  |  |

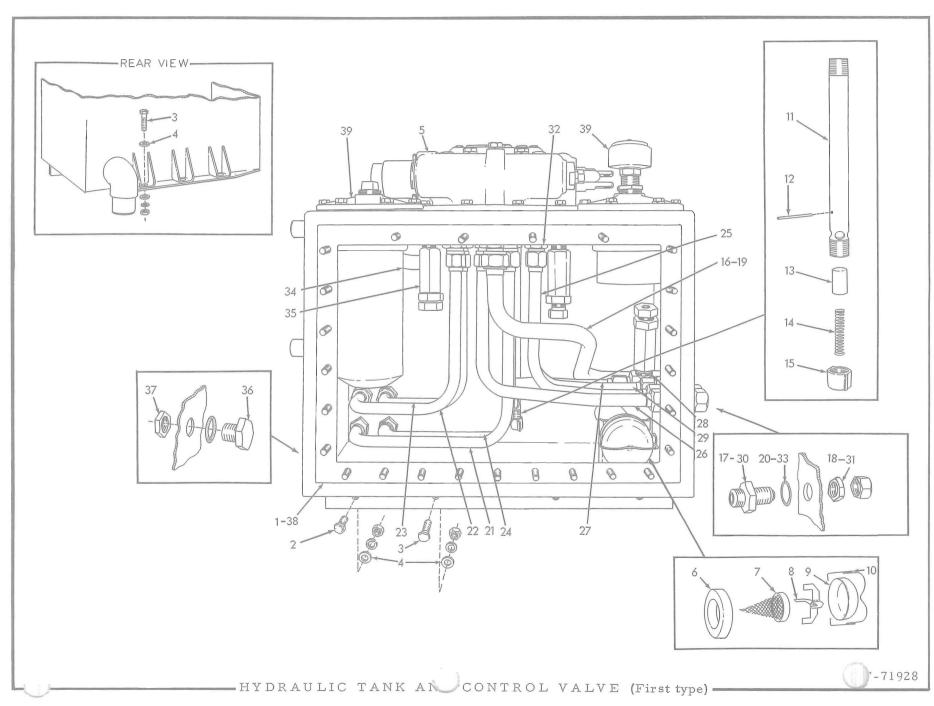
### LIFT CYLINDER ASSEMBLIES 3016539 AND 3016540

| ITEM           | PART NO.                              | QTY.        | DESCRIPTION  |  |  |  |
|----------------|---------------------------------------|-------------|--|--|--|--|
| /              |                                       |             | NOTE: Quantities indicated are for one (1) cylinder only.  |  |  |  |
| 1              | 3016537                               | 1           | TUBE ASSEMBLY, cylinder, left (Includes items 2 and 3)   |  |  |  |
| 1              | 3016538                               | 1           | TUBE ASSEMBLY, cylinder, right (Includes items 2 and 3)  |  |  |  |
| 2              | 624934                                | 2           | BUSHING, cylinder pivot  |  |  |  |
| 3              | 3019971                               | 1           | TUBE, cylinder (Requires welding to install)   |  |  |  |
| 4<br>5         | 3016272<br>023756                     | 1<br>1      | HEAD, cylinder WIRE, locking, 1/16" x 26"  |  |  |  |
| 6              | 923593                                | 1           | O-RING, cylinder head  |  |  |  |
| 7              | 3016189                               | 1           | RING, back-up  |  |  |  |
| 8              | 3017249                               | 1           | PACKING SET, rod See item 21   |  |  |  |
| 9              | 3001532                               | 1           | RING, adapter, male  |  |  |  |
| 10             | 3016601                               | 1           | BEARING, rod packing   |  |  |  |
| 11<br>12<br>13 | 3016405<br>033182<br>023756           | 1<br>4<br>1 | PLATE, end CAPSCREW, drilled-hd., 3/8"NC x 1-1/2" WIRE, locking, 1/16" x 26"  See item 21                                    |  |  |  |
| 14             | 3001538                               | 1           | SEAL, piston rod wiping (See item 21)  |  |  |  |
| )              | 3016536<br>915276<br>911058<br>901345 | 1<br>1<br>1 | ROD ASSEMBLY, piston (Includes item 16) FITTING, lubricating, 90°, 1/8"NPT NUT, slotted, 1-1/2"NF PIN, cotter, 1/4" x 2-1/2" |  |  |  |
| 16             | 3001066                               | 2           | BUSHING, piston rod  |  |  |  |
| 17             | 3001300                               | 1           | PISTON, front  |  |  |  |
| 18             | 3001476                               | 1           | PACKING SET, piston (See item 21)  |  |  |  |
| 19             | 3001478                               | 1           | PISTON, rear   |  |  |  |
| 20             | 3001482                               | 1           | RING, bearing (See item 21)  |  |  |  |
| 21             | 3017561                               | con         | REPAIR KIT (Includes parts for one (1) cylinder only; items 6 thru 10, 12, 13, 14, 18 and 20)                                |  |  |  |



### LIFT CYLINDER ASSEMBLIES 625789 AND 625790

| P.       | ART NO.                     | QTY.   | DESCRIPTION   |  |  |
|----------|-----------------------------|--|---|--|--|
| (Marie ) |                             |  | NOTE: Quantities indicated are for one (1) cylinder only  |  |  |
| 5        | 625801                      | 1  | TUBE ASSEMBLY, cylinder, left (Includes item 2)   |  |  |
| 1        | 625802                      | 1  | TUBE ASSEMBLY, cylinder, right (Includes item 2)  |  |  |
|          | 3001066                     | 4  | BUSHING, cylinder pivot   |  |  |
|          | 923593                      | 1  | O-RING, cylinder head   |  |  |
|          | 3016189                     | 1  | RING, back-up   |  |  |
|          | 3016272<br>023756           | 1<br>1   | HEAD, cylinder<br>WIRE, locking, 1/16" x 26"  |  |  |
|          | 626182                      | 1  | PACKING SET, rod  |  |  |
|          | 3016601                     | 1  | BEARING, rod packing  |  |  |
|          | 3016405<br>033182<br>023756 | 1<br>4<br>1  | PLATE, end<br>CAPSCREW, drilled-hd., 3/8"NC x 1-1/2"<br>WIRE, locking, 1/16" x 26"  |  |  |
|          | 606147                      | 1  | SEAL, piston rod wiping   |  |  |
|          | 3023704<br>917778           | 1<br>1   | ROD ASSEMBLY, piston (Includes item 2) NUT, elastic stop, 1-1/2"NF  |  |  |
|          | 3001300                     | 1  | PISTON, front   |  |  |
|          | 3001476                     | 1  | PACKING SET, piston   |  |  |
|          | 3001478                     | 1  | PISTON, rear  |  |  |
|          | 3001482                     | 1  | RING, bearing   |  |  |
|          | P. (                        | 625801 625802 3001066 923593 3016189 3016272 023756 626182 3016601 3016405 033182 023756 606147 3023704 917778 3001300 3001476 3001478 | 625802 1 3001066 4 923593 1 3016189 1 3016272 1 023756 1 626182 1 3016601 1 3016405 1 033182 4 023756 1 606147 1 3023704 1 917778 1 3001300 1 3001476 1 3001478 1 |  |  |



#### HYDRAULIC TANK AND CONTROL VALVE

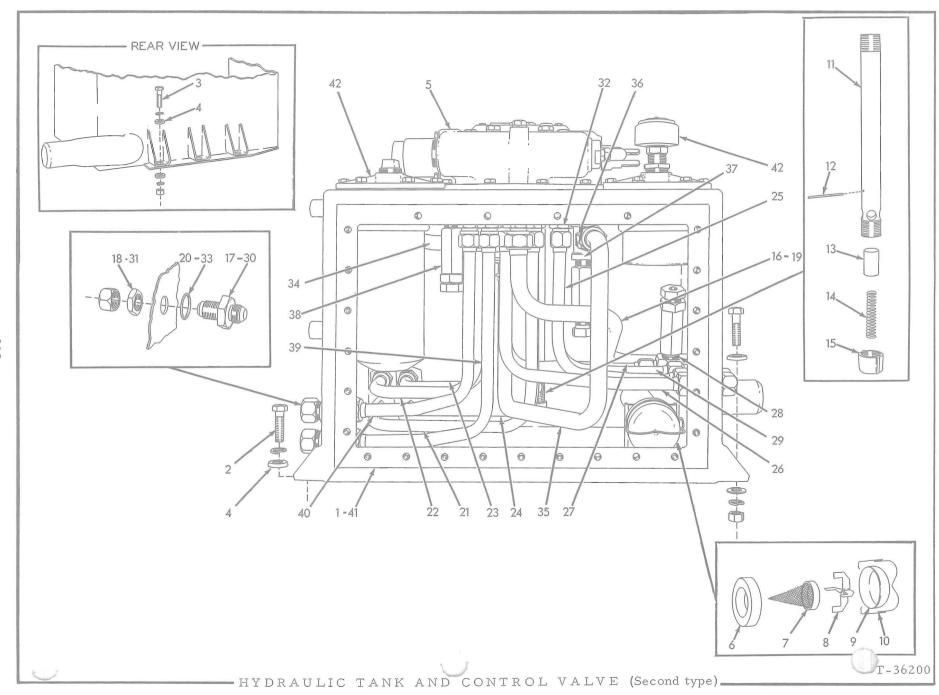
USAGE: Tractors prior to serial No. 11094

| ITTM   | PART NO.  | QTY.                   | DESCRIPTION   |  |  |  |  |
|--|---|------------------------|---|--|--|--|--|
| ĺ  | 3016401   | 1                      | TANK AND VALVE ASSEMBLY, hydraulic (Consists of items 5 thru 39)  |  |  |  |  |
| 2<br>3<br>4  | 035018<br>035073<br>3011243<br>904208<br>911043 | 3<br>4<br>11<br>7<br>7 | CAPSCREW, 1/2"NF x 1-1/2" CAPSCREW, 1/2"NF x 1-3/4" WASHER, plain LOCKWASHER, 1/2" NUT, 1/2"NF  |  |  |  |  |
|  | 3026347   | 1                      | VALVE ASSEMBLY, control (2-plunger type. See page 327 for parts)(Order VALVE ASSEMBLY 3038119 and 5 CAPSCREW  |  |  |  |  |
|  | 916426<br>054896<br>904208                      | 5<br>2<br>7            | 031671) CAPSCREW, 1/2"NF x 4-1/4" CAPSCREW, 1/2"NF x 5" LOCKWASHER, 1/2"  |  |  |  |  |
|  | 3038119   | 1                      | VALVE ASSEMBLY, control (2-plunger type. See page 331 for parts)(Service replacement for VALVE ASSY. 3026347)   |  |  |  |  |
|  | 031671<br>054896<br>904208                      | 5<br>2<br>7            | CAPSCREW, 1/2"NF x 4-1/2" CAPSCREW, 1/2"NF x 5" LOCKWASHER, 1/2"  |  |  |  |  |
| 5 (  | 3037224   | 1                      | VALVE ASSEMBLY, control (3-plunger type. See page 327 for parts)(Optional equipment. For operation of auxiliary equipment. Order VALVE 3038117, 1 CAPSCREW 053038, 4 STUD 636695  |  |  |  |  |
|  | 054896<br>920608<br>099332<br>904208            | 2<br>1<br>4<br>7       | and 4 NUT 911043)  CAPSCREW, 1/2"NF x 5"  CAPSCREW, 1/2"NF x 6-1/2"  CAPSCREW, 1/2"NF x 7-5/8"  LOCKWASHER, 1/2"  |  |  |  |  |
| parts)(Optional equip<br>Service replacement<br>054896 2 CAPSCREW, 1/2"N<br>053038 1 CAPSCREW, 1/2"N<br>636695 4 STUD, 1/2"NF x 8- |   | 2<br>1<br>4<br>7       | VALVE ASSEMBLY, control (3-plunger type. See page 331 for parts)(Optional equipment. For operation of auxiliary equipment. Service replacement for VALVE 3037224)  CAPSCREW, 1/2"NF x 5"  CAPSCREW, 1/2"NF x 6"  STUD, 1/2"NF x 8-7/8"  LOCKWASHER, 1/2"  NUT, 1/2"NF |  |  |  |  |
| 6  | 3013850   | 1                      | MAGNET, suction line  |  |  |  |  |
| 7  | 3010653   | 1                      | STRAINER, suction line  |  |  |  |  |
| 8  | 3013847   | 1                      | SUPPORT, baffle   |  |  |  |  |
| 9  | 3013852   | 1                      | BAFFLE, suction line  |  |  |  |  |
| 10   | 3013848   | 1                      | BAIL, baffle  |  |  |  |  |
| 1 1  | 3016395   | 1                      | PIPE, discharge   |  |  |  |  |
| 12   | 3028542   | 1                      | WIRE, plunger locking   |  |  |  |  |
| 13   | 3016398   | 1                      | PLUNGER, discharge  |  |  |  |  |
| l 4  | 3020394   | 1                      | SPRING, plunger   |  |  |  |  |
| 15   | 3016396   | 1                      | CAP, discharge pipe   |  |  |  |  |

### HYDRAULIC TANK AND CONTROL VALVE (Continued)

| ITEM                 | PART NO.                                | QTY.        | DESCRIPTION  |  |  |  |
|----------------------|---|-------------|--|--|--|--|
| 16<br>17<br>18<br>19 | 625758<br>3016070<br>3016394<br>3016347 | 1<br>1<br>1 | TUBE ASSEMBLY, pressure (Includes nuts) UNION, bulkhead NUT, jam CONNECTOR                           |  |  |  |
| 20                   | 923664                                  | 1           | O-RING, pressure tube  |  |  |  |
| 21                   | 625766                                  | 1           | TUBE ASSEMBLY, dump, left cylinder (Includes nuts)   |  |  |  |
| 22                   | 625891                                  | 1           | TUBE ASSEMBLY, retract, left cylinder (Includes nuts)  |  |  |  |
| 23                   | 625892                                  | 1           | TUBE ASSEMBLY, raise, left cylinder (Includes nuts)  |  |  |  |
| 24                   | 625765                                  | 1           | TUBE ASSEMBLY, lower, left cylinder (Includes nuts)  |  |  |  |
| 25                   | 625760                                  | 1           | TUBE ASSEMBLY, dump, right cylinder (Includes nuts)  |  |  |  |
| 26                   | 625761                                  | 1           | TUBE ASSEMBLY, retract, right cylinder (Includes nuts)   |  |  |  |
| 27                   | 3016147                                 | 1           | TUBE ASSEMBLY, raise, right cylinder (Includes nuts)(Shovels prior to #3033)                         |  |  |  |
|                      | 625894                                  | 1           | TUBE ASSEMBLY, raise, right cylinder (Includes nuts)(Shovels #3033 and up)                           |  |  |  |
| 28                   | 3020377                                 | 1           | TEE, service (Shovels #3033 and up)  |  |  |  |
| 29                   | 625759                                  | 1           | TUBE ASSEMBLY, lower, right cylinder (Includes nuts)   |  |  |  |
| 30<br>31             | 3016069<br>3016404                      | 8           | UNION, bulkhead, cylinder tube (1 less used on shovels #3033 and up) NUT, bulkhead union             |  |  |  |
| 32                   | 3016322                                 | 8           | CONNECTOR, cylinder tube   |  |  |  |
| 33                   | 923649                                  | 8           | O-RING, bulkhead union and tee   |  |  |  |
| 34                   | 627710<br>920686                        | 1<br>1      | TUBE ASSEMBLY, oil filter to control valve (Includes nuts)<br>ELBOW, flare type, 1" tube, 1"NPT male |  |  |  |
| 35                   | 3020506                                 | 3           | VALVE ASSEMBLY, safety (See page 315 for parts)  |  |  |  |
| 36                   | 3016093                                 | 2           | PLUG   |  |  |  |
| 37                   | 923649<br>3016404                       | 2<br>2      | O-RING, plug sealing<br>NUT, plug  |  |  |  |
| 38                   |   | eten        | See TANK AND COVERS  |  |  |  |
| 39                   | 200 END COM STON COM SER                |             | See FILTER PARTS   |  |  |  |

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### HYDRAULIC TANK AND CONTROL VALVE

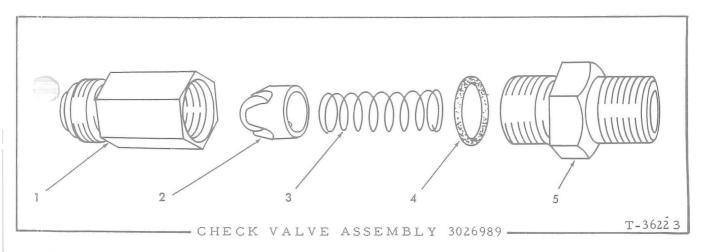
USAGE: Tractors serial No. 11094 and up

| ITEM        | PART NO.  | QTY.                   | DESCRIPTION  |  |  |  |
|-------------|---|------------------------|--|--|--|--|
| ()          | 625899  | 1                      | TANK AND VALVE ASSEMBLY, hydraulic (Consists of items 5 thru 42)   |  |  |  |
| 2<br>3<br>4 | 035018<br>035073<br>3011243<br>904208<br>911043 | 4<br>3<br>12<br>7<br>5 | CAPSCREW, 1/2"NF x 1-1/2" CAPSCREW, 1/2"NF x 1-3/4" WASHER, plain LOCKWASHER, 1/2" NUT, 1/2"NF   |  |  |  |
|             | 3026347   | 1                      | VALVE ASSEMBLY, control (2-plunger type. See page 327 for parts)(Original equipment. Order VALVE ASSY. 3038119 and 5 CAPSCREW 031671)  |  |  |  |
|             | 916426<br>054896<br>904208                      | 5<br>2<br>7            | CAPSCREW, 1/2"NF x 4-1/4" CAPSCREW, 1/2"NF x 5" LOCKWASHER, 1/2"   |  |  |  |
|             | 3038119   | 1                      | VALVE ASSEMBLY, control (2-plunger type. See page 331 for parts)(Service replacement for VALVE ASSY. 3026347)  |  |  |  |
|             | 031671<br>054896<br>904208                      | 5<br>2<br>7            | CAPSCREW, 1/2"NF x 4-1/2" CAPSCREW, 1/2"NF x 5" LOCKWASHER, 1/2"   |  |  |  |
| 5 〈         | 3037224   | 1                      | VALVE ASSEMBLY, control (3-plunger type. See page 327 for parts)(Optional equipment. For operation of auxiliary equipment. Order VALVE 3038117, 1 CAPSCREW 053038, 4 STUD 636695 and 4 NUT 911043) |  |  |  |
|             | 054896<br>920608<br>099332<br>904208            | 2<br>1<br>4<br>7       | CAPSCREW, 1/2"NF x 5" CAPSCREW, 1/2"NF x 6-1/2" CAPSCREW, 1/2"NF x 7-5/8" LOCKWASHER, 1/2"   |  |  |  |
| )           | 3038117   | 1                      | VALVE ASSEMBLY, control (3-plunger type. See page 331 for parts) (Optional equipment. For operation of auxiliary equipment.  |  |  |  |
|             | 054896<br>053038<br>636695<br>904208<br>911043  | 2<br>1<br>4<br>7<br>4  | Service replacement for VALVE 3037224)  CAPSCREW, 1/2"NF x 5"  CAPSCREW, 1/2"NF x 6"  STUD, 1/2"NF x 8-7/8"  LOCKWASHER, 1/2"  NUT, 1/2"NF   |  |  |  |
| 6           | 3013850   | 1                      | MAGNET, suction line   |  |  |  |
| 7           | 3010653   | 1                      | STRAINER, suction line   |  |  |  |
| 8           | 3013847   | 1                      | SUPPORT, baffle  |  |  |  |
| 9           | 3013852   | 1                      | BAFFLE, suction line   |  |  |  |
| 10          | 3013848   | 1                      | BAIL, baffle   |  |  |  |
| 1.1         | 3016395   | 1                      | PIPE, discharge  |  |  |  |
| 12          | 3028542   | 1                      | WIRE, plunger locking  |  |  |  |
| 13          | 3016398   | 1                      | PLUNGER, discharge   |  |  |  |
| 14          | 3020394   | 1                      | SPRING, plunger  |  |  |  |
| 15          | 3016396   | 1                      | CAP, discharge pipe  |  |  |  |

# HYDRAULIC TANK AND CONTROL VALVE (Continued)

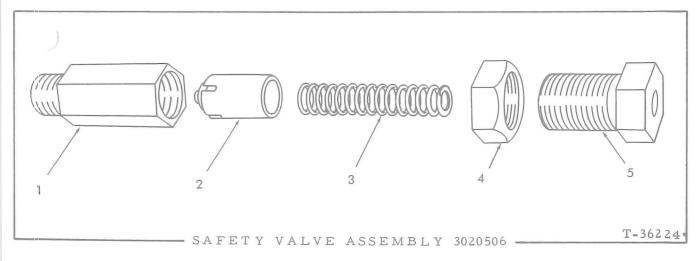
USAGE: Tractors serial No. 11094 and up

|                      |   |             | *   |     |
|----------------------|---|-------------|---|-----|
| ITEM                 | PART NO.                                | QTY.        | DESCRIPTION   |     |
| 16<br>17<br>18<br>19 | 625758<br>3016070<br>3016394<br>3016347 | 1<br>1<br>1 | TUBE ASSEMBLY, pressure (Includes nuts) UNION, bulkhead NUT, jam CONNECTOR                        | (3) |
| 20                   | 923664                                  | 1           | O-RING, pressure tube   |     |
| 21                   | 625766                                  | 1           | TUBE ASSEMBLY, dump, left cylinder (Includes nuts)  |     |
| 22                   | 625891                                  | 1           | TUBE ASSEMBLY, retract, left cylinder (Includes nuts)   |     |
| 23                   | 625892                                  | 1           | TUBE ASSEMBLY, raise, left cylinder (Includes nuts)   |     |
| 24                   | 625765                                  | 1           | TUBE ASSEMBLY, lower, left cylinder (Includes nuts)   |     |
| 25                   | 625760                                  | 1           | TUBE ASSEMBLY, dump, right cylinder (Includes nuts)   |     |
| 26                   | 625761                                  | 1           | TUBE ASSEMBLY, retract, right cylinder (Includes nuts)  |     |
| 27<br>28             | 625894<br>3020377                       | 1           | TUBE ASSEMBLY, raise, right cylinder (Includes nuts) TEE, service                                 |     |
| 29                   | 625759                                  | 1           | TUBE ASSEMBLY, lower, right cylinder (Includes nuts)  |     |
| 3 0<br>3 1           | 3016069<br>3016404                      | 9<br>10     | UNION, bulkhead, cylinder tube NUT, bulkhead union  |     |
| 32                   | 3016322                                 | 10          | CONNECTOR, cylinder tube  |     |
| 33                   | 923649                                  | 10          | O-RING, bulkhead union and tee  |     |
| 34                   | 627710<br>921682                        | 1<br>1      | TUBE ASSEMBLY, oil filter to control valve (Includes nuts) TEE, flare type, l'' tube, l''NPT male | ,   |
| 35                   | 625895                                  | 1           | TUBE ASSEMBLY, check valve to control valve (Includes nuts)                                       |     |
| 36<br>37             | 3026989<br>3026967                      | 1           | VALVE ASSEMBLY, check (See page 315 for parts)<br>TEE, service                                    |     |
| 38                   | 3020506                                 | 3           | VALVE ASSEMBLY, safety (See page 315 for parts)   |     |
| 39                   | 624936<br>921244                        | 1<br>1      | TUBE ASSEMBLY, raise, power take-off (Includes nuts) CAP, flare type, 3/4" tube                   |     |
| 40                   | 624937<br>921244                        | 1<br>1      | TUBE ASSEMBLY, lower, power take-off (Includes nuts) CAP, flare type, 3/4" tube                   |     |
| 41                   | cost (m) part and this                  | -           | See TANK AND COVERS   |     |
| 42                   | one and one and port                    | ten         | See FILTER PARTS  |     |



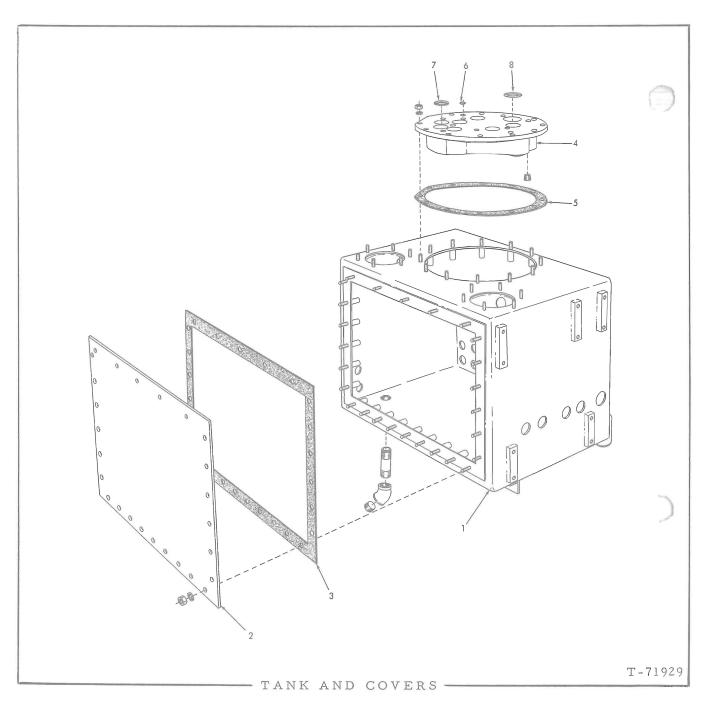
USAGE: See page 313

| ITEM | PART NO.    | QTY. | DESCRIPTION  |  |  |  |
|------|-------------|------|--|--|--|--|
| 1    | 3026985     | 1    | ODY, check valve   |  |  |  |
| 2    | 3026988     | 1    | PLUNGER ASSEMBLY, check valve (Includes ball. Serviced only as a unit) |  |  |  |
| 3    | 3026983     | 1    | SPRING, check valve  |  |  |  |
| 41   | 9 2 3 5 6 7 | 1    | O-RING, check valve cap  |  |  |  |
| 5    | 3026986     | 1    | CAP, check valve   |  |  |  |



USAGE: See page 309 and 313

| ITEM | PART NO. | QTY. | DESCRIPTION  |  |
|------|----------|------|--|--|
|      |          |      | NOTE: Quantities indicated are for one (1) Valve only            |  |
| 1    | 3019598  | I    | BODY, valve  |  |
| 2    | 3019977  | 1    | PLUNGER ASSEMBLY, valve (Includes ball. Serviced only as a unit) |  |
| 3    | 3016277  | 1    | SPRING, plunger valve  |  |
| 41   | 3020521  | Ī    | NUT, valve cap   |  |
| . )  | 3016278  | 1    | CAP, valve   |  |

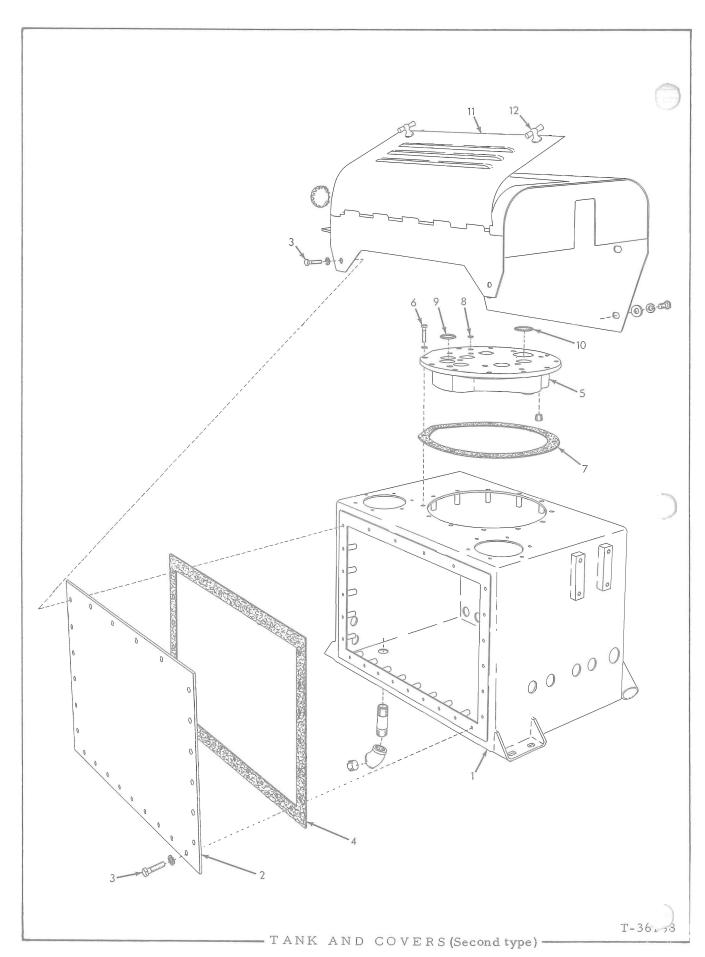


USAGE: Tractors prior to serial No. 11094

| ITEM | PART NO.                              | QTY.          | DESCRIPTION   |
|------|---------------------------------------|---------------|---|
| 1    | 3016169<br>901513<br>901694<br>904224 | 1<br>1<br>1   | TANK, hydraulic<br>NIPPLE, pipe, 3/4"NPT x 3"<br>ELBOW, pipe, 45°, 3/4"NPT<br>PLUG, pipe, ctsk-hd., 3/4"NPT |
| 2    | 3016328<br>904206<br>3019683          | 1<br>26<br>26 | PLATE, hydraulic tank side<br>LOCKWASHER, 3/8"<br>NUT, aluminum, 3/8"NC                                     |
| 3    | 3016280                               | 1             | GASKET, tank side plate   |

### TANK AND COVERS (Continued)

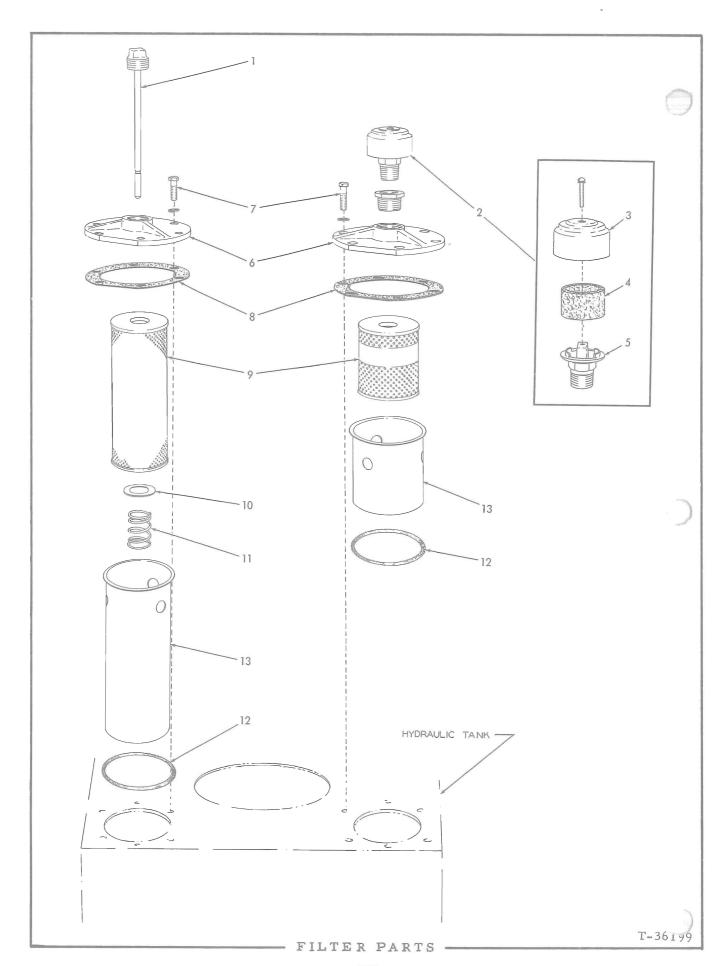
| ITEM | PART NO.                               | QTY.               | DESCRIPTION   |
|------|--|--------------------|---|
|      | 3016100<br>907856<br>904206<br>3019683 | 1<br>1<br>12<br>12 | PLATE, valve mounting PLUG, pipe, ctsk., 3/8"NPT LOCKWASHER, 3/8" NUT, aluminum, 3/8"NC |
| 5    | 3016281                                | 1                  | GASKET, valve mounting plate  |
| 6    | 923663                                 | 4                  | O-RING, control valve to mounting plate (3/8"I.D.)                                      |
| 7    | 923649                                 | 7                  | O-RING, control valve to mounting plate (1-1/4"I.D.)                                    |
| 8    | 923577                                 | 1                  | O-RING, control valve to mounting plate (1-3/4"I.D.)                                    |



#### TANK AND COVERS

USAGE: Tractors serial No. 11094 and up

| IT     | PART NO.                              | QTY.               | DESCRIPTION   |
|--------|---------------------------------------|--------------------|---|
| 1      | 625898<br>901513<br>901694<br>904224  | 1<br>1<br>1        | TANK, hydraulic<br>NIPPLE, pipe, 3/4"NPT x 3"<br>ELBOW, pipe, 45°, 3/4"NPT<br>PLUG, pipe, ctsk-hd., 3/4"NPT |
| 2 3    | 625774<br>040382<br>904206            | 1<br>25<br>25      | PLATE, hydraulic tank side<br>CAPSCREW, 3/8"NC x 1-3/8"<br>LOCKWASHER, 3/8"                                 |
| 4      | 625775                                | 1                  | GASKET, tank side plate   |
| 5<br>6 | 3016100<br>907856<br>040382<br>904206 | 1<br>1<br>12<br>12 | PLATE, valve mounting PLUG, pipe, ctsk., 3/8"NPT CAPSCREW, 3/8"NC x 1-3/8" LOCKWASHE R, 3/8"                |
| 7      | 3016281                               | 1                  | GASKET, valve mounting plate  |
| 8      | 923663                                | 4                  | O-RING, control valve to mounting plate (3/8"I.D.)  |
| 9      | 923649                                | 7                  | O-RING, control valve to mounting plate (1-1/4"I.D.)  |
| 10     | 923577                                | 1                  | O-RING, control valve to mounting plate (1-3/4"I.D.)  |
| 11     | 625902                                | 1                  | COVER ASSEMBLY, valve protecting (Includes item 12) (Not used with diverter or 3-spool valve)               |
| )      | 921446<br>070467<br>904208<br>910244  | 1<br>4<br>4<br>4   | PLUG, button, 2" diam. hole CAPSCREW, 1/2"NF x 1" LOCKWASHER, 1/2" WASHER, plain, SAE std., 1/2"            |
| 12     | 3028780                               | 2                  | LATCH ASSEMBLY (Serviced only as a unit)  |



## FILTER PARTS

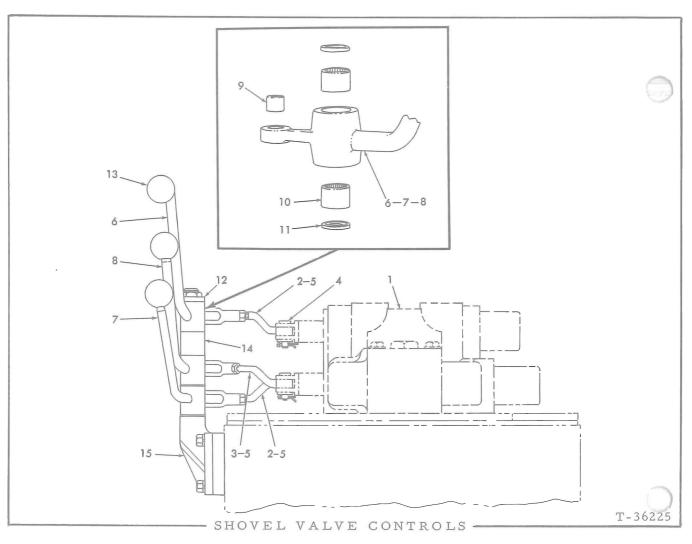
\* Air Filter \*\* Oil Filter

|          |  | 0.5         | 777              | at Oil Filter   |
|----------|--|-------------|------------------|---|
| TI       | PART NO.                               |             | ΓΥ.<br>**        | DESCRIPTION   |
| 1        | 3016703                                | -           | 1                | DIPSTICK, hydraulic oil   |
| 2        | 3002766<br>901829                      | 1<br>1      | -                | BREATHER ASSEMBLY, tank (Consists of items 3 thru 5) BUSHING, pipe reducing, 1"NPT to 3/4"NPT   |
| 3        | 3002768<br>914172<br>904203            | 1<br>1<br>1 |                  | CAP, breather SCREW, machine, #10NF x 1-1/4" LOCKWASHER, #10  |
| 4        | en 600 000 000 600 600                 | l           | -                | ELEMENT, filtering (Order item 14)  |
| 5        | 3002767                                | 1           | -                | BASE, breather  |
| 6<br>7 { | 3016078<br>3019683<br>040382<br>904206 | 1<br>6<br>6 | 1<br>6<br>6<br>6 | COVER, filter NUT, aluminum, 3/8"NC (Used prior to tractor #11094) CAPSCREW, 3/8"NC x 1-3/8" (Tractor #11094 and up) LOCKWASHER, 3/8" |
| 8        | 3039899                                | 1           | 1                | GASKET, filter cover (See item 14)  |
| 0        | C                                      | 1           | -                | ELEMENT, air filter Order item 14 ELEMENT, oil filter   |
| 7        |  | -           | 1                | ELEMENT, oil filter   |
| 10       | 3016403                                | -           | 1                | WASHER, element spring  |
| 11       | 3016399                                | -           | 1                | SPRING, element   |
|          | 923600                                 | 1           | 1                | O-RING, filter case   |
| 13       | 3016080                                | 1           | 600              | CASE, air filter  |
| 13       | 3016079                                | -           | 1                | CASE, oil filter  |
| 14       | 3019695                                | x           | x                | ELEMENT KIT, filter (Consists of items 4,8 and 9. One (1) kit required per tractor)   |

## SHOVEL VALVE CONTROLS

USAGE: For standard 2-spool valve. See page 324 for 3-spool valve controls

|      |   |                            | 0.55        | 77          | * Tractors prior to serial No. 11094<br>** Tractors serial No. 11094 and up              |
|------|---|----------------------------|-------------|-------------|--|
| ITEM | P | ART NO.                    | QT<br>*     |             | DESCRIPTION  |
| 1    | 5 | 3016694                    | 1           | -           | ROD ASSEMBLY, control, dump and retracting (Includes item 3)                             |
| 1    | J | 625767                     | 500         | 1           | ROD ASSEMBLY, control, dump and retracting (Includes item 3)                             |
|      |   | 917666<br>913830           | 1<br>1      | 1           | YOKE, rod end, adjustable, 1/2"NF<br>NUT, jam, 1/2"NF                                    |
| 2    | 5 | 3016694                    | 1           |             | ROD ASSEMBLY, control, raise and lower (Includes item 3)                                 |
| 2    | 1 | 625769                     | -           | 1           | ROD ASSEMBLY, control, raise and lower (Includes item 3)                                 |
|      |   | 917666<br>913830           | 1<br>1      | 1           | YOKE, rod end, adjustable, 1/2"NF<br>NUT, jam, 1/2"NF                                    |
| 3    |   | 3013909                    | 4           | 4           | BUSHING, operating lever and rod   |
| 4    |   | 049993<br>910244<br>900806 | 4<br>2<br>4 | 4<br>2<br>4 | PIN, operating lever and rod<br>WASHER, plain, SAE std., 1/2"<br>PIN, cotter, 1/8" x 1"  |
| _    | 5 | 3016698                    | 1           | -           | LEVER ASSEMBLY, operating, tilt (Includes items 3,7 and 8)                               |
| 5    | 1 | 625776                     | -           | 1           | LEVER ASSEMBLY, operating, tilt (Includes items 3,7 and 8)                               |
| . )  | 5 | 3016699                    | 1           | ***         | LEVER ASSEMBLY, operating, raise and lower (Includes items 3, 7 and 8)                   |
| ,    |   | 625778                     | -           | 1           | LEVER ASSEMBLY, operating, raise and lower (Includes items 3, 7 and 8)                   |
| 7    |   | 208253                     | 4           | 4           | BEARING, operating lever   |
| 8    |   | 052662                     | 4           | 4           | SEAL, operating lever  |
| 9    |   | 091862                     | 2           | 2           | KNOB, operating lever  |
| 10   |   | 625897<br>921272           | 1           | 1<br>1      | BRACKET ASSEMBLY, operating lever (Includes 1 PIN 921272)<br>PIN, roll, 3/16" x 1-3/4"   |
| 11   |   | 910255<br>012992<br>904206 | 1<br>4<br>4 | 1<br>4<br>4 | WASHER, plain, SAE std., 3/4" (lever spacing) CAPSCREW, 3/8"NF x 1-1/4" LOCKWASHER, 3/8" |
| 12   |   | 3017086<br>921138          | 1           | 1           | WASHER, operating lever NUT, elastic stop, 3/4"NF  |
| 13   |   |                            | -           | -           | See HYDRAULIC TANK AND CONTROL VALVE   |



USAGE: For optional 3-spool valve. See page 323 for 2-spool valve controls.

QTY.

ITEM PART NO. \* \*\* DESCRIPTION

1 ----- 1 1 VALVE ASSEMBLY (3-plunger type) (See HYDRAULIC TANK AND CONTROL VALVE)

2 3016694 2 - ROD ASSEMBLY, control (Includes item 5)

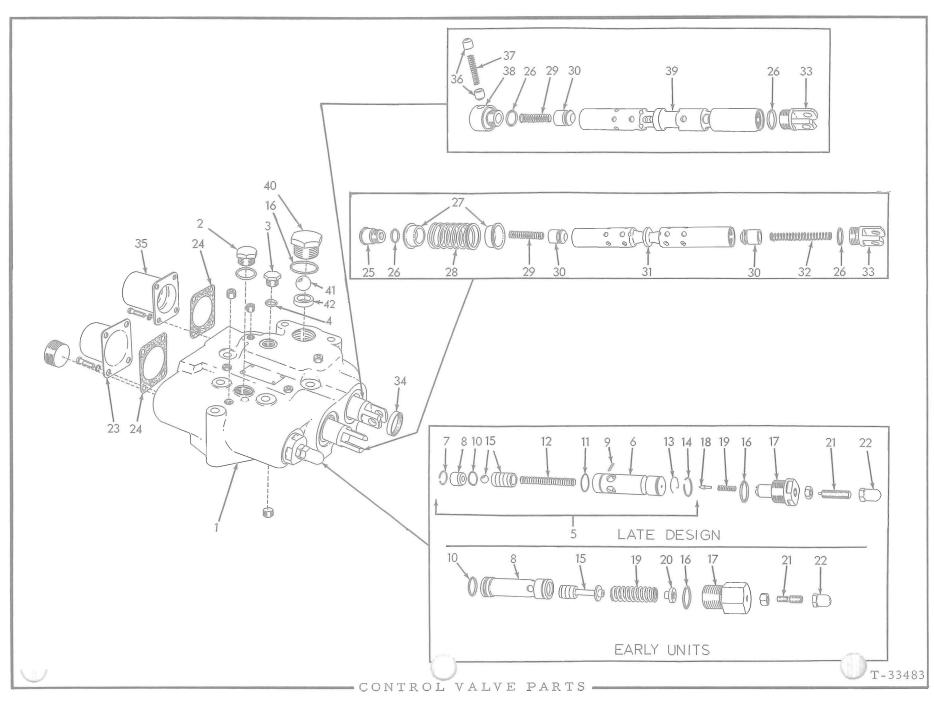
625767 - 2 ROD ASSEMBLY, control (Includes item 5)

\* Tractors prior to serial No. 11094 \*\* Tractors serial No. 11094 and up

ROD ASSEMBLY, control (Includes item 5) 913830 NUT, jam, 1/2"NF 2 2 917666 2 2 YOKE, rod end, adjustable, 1/2"NF 3016694 ROD ASSEMBLY, control, raise and lower (Includes item 5) 625769 ROD ASSEMBLY, control, raise and lower (Includes item 5) 917666 YOKE, rod end, adjustable, 1/2"NF 913830 NUT, jam, 1/2"NF

# SHOVEL VALVE CONTROLS (Continued)

|      |  | QTY              | 7                | SITO VEED VII DE CONVINCEN   |
|------|--|------------------|------------------|--|
| ITEM | PART NO.                                       | * *              |                  | DESCRIPTION  |
| 4    | 049993<br>900806<br>910244                     | 6                | 6<br>6<br>3      | PIN, operating lever and rod<br>PIN, cotter, 1/8" x 1"<br>WASHER, plain, SAE std., 1/2"  |
| 5    | 3013909  | 3                | 3                | BUSHING, control rod   |
| 6    | 3020091  | 1                | -                | LEVER ASSEMBLY, operating (Includes items 9 thru 11)   |
| 0    | 626407   |                  | 1                | LEVER ASSEMBLY, operating (Includes items 9 thru 11)   |
| 7    | 3016698<br>625776                              | 1                | -                | LEVER ASSEMBLY, operating, dump (Includes items 9 thru 11)   |
| ľ    | 625776   | -                | 1                | LEVER ASSEMBLY, operating, dump (Includes items 9 thru 11)   |
| 8    | 3016699  | 1                | -                | LEVER ASSEMBLY, operating, raise and lower (Includes items 9 thru 11)  LEVER ASSEMBLY, operating, raise and lower (Includes items 9  |
| 8.   | 625778   | -                | 1                | LEVER ASSEMBLY, operating, raise and lower (Includes items 9 thru I1)  |
| 9    | 3013909  | 3                | 3                | BUSHING, operating lever   |
| 10   | 208253   | 6                | 6                | BEARING, operating lever   |
| 11   | 052662   | 6                | 6                | SEAL, operating lever  |
| 12   | 3017086<br>921138                              | 1                | 1                | WASHER, operating lever<br>NUT, elastic stop, 3/4"NF   |
| 13   | 091862   | 3                | 3                | KNOB, operating lever  |
|      | 626406   | 1                | 1                | SPACER, operating lever  |
| 15   | 624947<br>921272<br>915228<br>904206<br>910255 | 1<br>1<br>4<br>4 | 1<br>1<br>4<br>4 | BRACKET ASSEMBLY, operating lever (Includes 1 PIN 921272) PIN, roll, 3/16" x 1-3/4" CAPSCREW, 3/8"NF x 1-1/4" LOCKWASHER, 3/8" WASHER, plain, SAE std., 3/4" (Lever spacing) |



# CONTROL VALVE PARTS

```
* 3026347 VALVE ASSEMBLY (Early design)
                                                                                     See pages
                                   ** 3026347 VALVE ASSEMBLY (Late design)
                                                                                     309 and 313
                                    △ 3037224 VALVE ASSEMBLY (Early design)
                                   ΔΔ 3037224 VALVE ASSEMBLY (Late design)
                    QUANTITY
ITEM
       PART NO.
                      ** \( \triangle \( \triangle \)
                                   DESCRIPTION
                                   HOUSING (Not serviced separately. See NOTE below)
   1
                       1
                           1
                               1
        907859
                                       PLUG, pipe, ctsk., 1/4"NPT
                           3
                               3
                   4
                       5
                                       PLUG, pipe, ctsk., 3/8"NPT
        907856
                   1
                       1
                           1
                               1
        918697
                                       PLUG, pipe, ctsk., 1-1/4"NPT
                   1
                       1
                           1
                               1
                                        PLUG, hex-hd., 1-1/16" straight thread.
   2
        921204
                                           (Includes O-RING 921206) (Late units only)
   3
        3028743
                       1
                                   PLUG, vent, check valve
                                   O-RING, vent plug
        3002746
   4
   5
        3041951
                               1
                                   VALVE ASSEMBLY, relief (Consists of items 6 thru 15)
   6
                                   SLEEVE, relief valve (Not serviced. Order item 5)
                               1
   7
        3027410
                                   RING, snap, seat
                       1
                              1
                               1
                                   SEAT, relief valve (Not serviced. Order item 5)
   8
        3016920
                                   SEAT, relief valve
                           1
   9
        3042421
                               1
                                   PIN, roll, relief valve seat
        923562
                               1
                                   O-RING, relief valve seat
        923811
                           1
                                   O-RING, relief valve seat
        923564
                       1
                               1
                                   O-RING, relief valve
  12
        3010857
                       1
                               1
                                   SPRING, relief plunger
  13
        3027407
                               1
                                   WIRE, plunger
  14
        3027414
                                   RING, snap, plunger
                        1
                               1
                                   PLUNGER ASSEMBLY, relief valve (Includes ball)(Not
                               1
                                      serviced. Order item 5)
        3003914
                                   PLUNGER, relief valve
  16
        923649
                       2
                           2
                                   O-RING, relief and flow valve cap
                    2
                               2
                                   CAP, relief valve
        3027398
                       7
                               1
  17
        3016919
                           1
                                   CAP, relief valve
                                  POPPET, relief valve
  18
        3027397
                       1
                              1
```

# CONTROL VALVE PARTS (Continued)

|      |                             |             | UAN         |             |                       |  |
|------|-----------------------------|-------------|-------------|-------------|-----------------------|--|
| ITEM | PART NO.                    | *           | **          | $\triangle$ | $\triangle \triangle$ | DESCRIPTION  |
| 19   | 3027401                     | -           | 1           |             | 1                     | SPRING, relief valve   |
|      | 3023925                     | 1           | -           | 1           | -                     | SPRING, relief valve   |
| 20   | 3003912                     | 1           | -           | 1           | -                     | GUIDE, relief valve  |
| 21   | 5 3027399                   | -           | 1           |             | 1                     | SCREW, relief valve adjustment   |
| 41   | 3026108                     | 1           | -           | 1           | -                     | SCREW, relief valve adjustment   |
| 22   | 3033939<br>913177           | 1<br>1      | 1<br>1      | 1<br>1      | 1                     | NUT, acorn, relief valve<br>NUT, jam, 1/2"NF                               |
| 23   | 3016923<br>915809<br>904205 | 1<br>4<br>4 | 1<br>4<br>4 | 2<br>8<br>8 | 2<br>8<br>8           | COVER, spring<br>CAPSCREW, 5/16"NC x 3/4"<br>LOCKWASHER, 5/16"             |
| 24   | 3016912                     | 2           | 2           | 3           | 3                     | GASKET, detent cap and spring cover  |
| 25   | 3016926                     | 1           | 1           | 2           | 2                     | CAP, operating plunger   |
| 26   | 923810                      | 4           | 4           | 6           | 6                     | O-RING, operating plunger and check valve                                  |
| 27   | 3016925                     | 2           | 2           | 4           | 4                     | RETAINER, spring   |
| 2.0  | 3027405                     | -           | 1           | -           | 2                     | SPRING, return, operating plunger  |
| 48   | 3016924                     | 1           | -           | 2           |                       | SPRING, return, operating plunger  |
| 29   | 3001716                     | 2           | 2           | 3           | 3                     | SPRING, plunger, rear check valve  |
| 30   | 3001717                     | 3           | 3           | 5           | 5                     | PLUNGER, check valve   |
| 31   |                             | 1           | 1           | 2           | 2                     | PLUNGER, operating, double acting (Not serviced separately See NOTE below) |
| 32   | 3010857                     | 1           | 1           | 2           | 2                     | SPRING, plunger, front check valve   |
| 33   | 3001721                     | 2           | 2           | 3           | 3                     | EYE, operating plunger   |
| 34   | 3001719                     | 2           | 2           | 3           | 3                     | SEAL, oil, operating plunger   |
| 35   | 3016911<br>915809<br>904205 | 1<br>4<br>4 | 1<br>4<br>4 | 1<br>4<br>4 | 1<br>4<br>4           | CAP, detent CAPSCREW, 5/16"NC x 3/4" LOCKWASHER, 5/16"                     |
| 36   | 3016927                     | 2           | 2           | 2           | 2                     | PLUNGER, detent poppet   |
| 37   | 3016928                     | 1           | 1           | 1           | 1                     | SPRING, detent poppet  |
| 38   | 3016932                     | ]           | 1           | 1           | 1                     | CAP, detent poppet   |
| 39   | PR DR AN DE DE SAY AN       | 1           | J           | İ           | 1                     | PLUNGER, operating, float (Not serviced separately. See NOTE below)        |
| 40   | 3016931                     | 1           | 1           | l           | 1                     | CAP, flow valve  |
| 41   | 3020876                     | l           | 1           | 1           | 1                     | BALL, plunger  |
|      |                             |             |             |             |                       |  |

#### CONTROL VALVE PARTS (Continued)

#### QUANTITY

ITEM PART NO. \* \*\* A AA DESCRIPTION

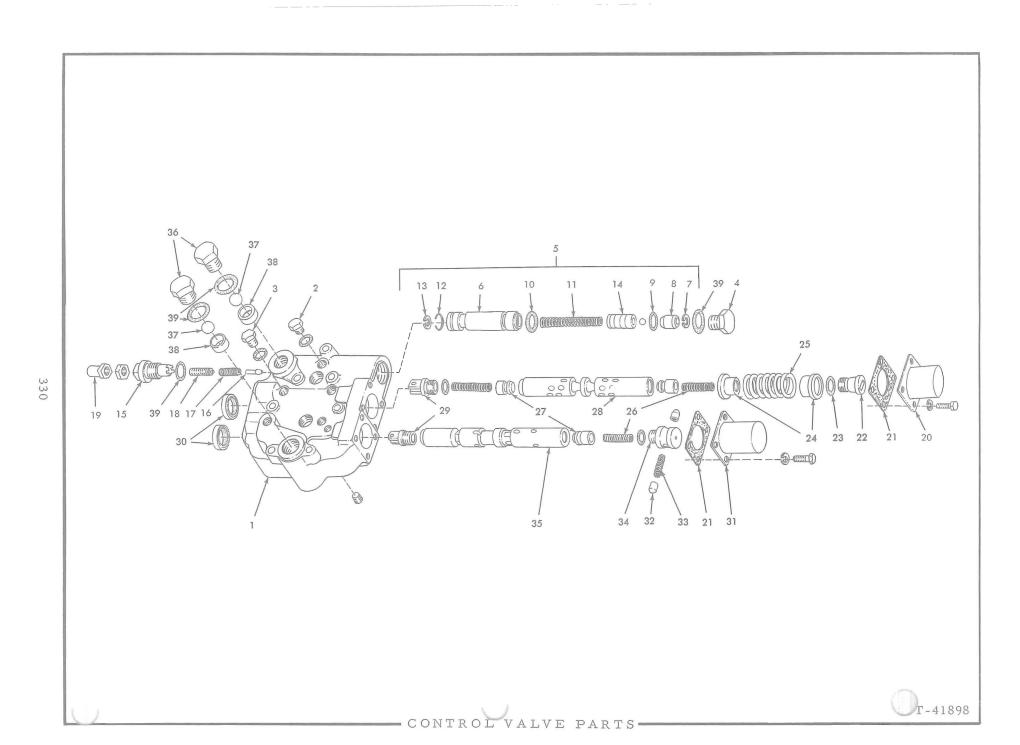
3016929 1 1 1 SEAT, float plunger

OTE: Valve housings and plungers are not serviced separately due to the extremely close fit required for satisfactory operation. This can be achieved only

by matching and lapping plungers and housings as a unit.

When the plunger clearances become excessive due to normal wear, the valve housings may be returned to the manufacturer for installation of over-size plungers at a nominal charge. Consult your local Allis-Chalmers dealer for shipping instructions. Do not return to Allis-Chalmers factory.

The original relief valve arrangement in early-design control valves can be replaced with the more efficient pilot-operated relief valve arrangement by ordering VALVE KIT 3027808 (See PACKAGED PARTS for details).



#### CONTROL VALVE PARTS

\* 3038119 VALVE ASSEMBLY See pages 309,313 \*\* 3038117 VALVE ASSEMBLY QTY. PART NO. DESCRIPTION \* \*\* HOUSING (Not serviced separately. See NOTE below) ----PLUG, housing (1-1/16" diam. Includes O-RING indented below) O-RING, plug sealing PLUG, housing (9/16" diam. Includes O-RING indented below) O-RING, plug sealing CAP, valve VALVE ASSEMBLY, relief (Consists of items 6 thru 14) SLEEVE, relief valve RING, snap, relief valve seat SEAT, relief valve 1 O-RING, relief valve seat O-RING, relief valve SPRING, relief valve plunger WIRE, relief valve plunger 1 RING, snap, relief valve plunger PLUNGER ASSEMBLY, relief valve (Includes ball which is not ser-serviced separately) CAP, relief valve l POPPET, relief valve SPRING, relief valve SCREW, relief valve adjustment NUT, acorn, relief valve screw NUT, jam, 1/2"NF COVER, relief valve CAPSCREW, 1/4"NC  $\times 3/4$ " LOCKWASHER, 1/4" GASKET, housing covers CAP, operating plunger CAP, operating plunger - O-RING, operating plunger 5 O-RING, operating plunger

#### CONTROL VALVE PARTS (Continued)

| ITEM PART NO.  | QT?         |             | DESCRIPTION  |
|--|-------------|-------------|--|
| 3039201  | 2           | -           | RETAINER, spring, operating plunger                                    |
| $24 \begin{cases} 3039201 \\ 184604 \end{cases}$                     |             | 4           | RETAINER, spring, operating plunger                                    |
| 35 3038679   | 1           | -           | SPRING, return, operating plunger                                      |
| $25 \left\{ \begin{array}{c} 3038679 \\ 3041564 \end{array} \right.$ | -           | 2           | SPRING, return, operating plunger                                      |
| 36 3001716   | 3           | -           | SPRING, check valve plunger  |
| 184609   | nest.       | 5           | SPRING, check valve plunger SPRING, check valve plunger                |
| $27 \begin{cases} 3001717 \\ 3004706 \end{cases}$                    | 3           | -           | PLUNGER, check valve   |
| 3004706  | -           | 5           | PLUNGER, check valve   |
| 28   | 1           | 2           | PLUNGER, operating (Not serviced separately. See NOTE below)           |
| 3039203  | 2           | -           | EYE, operating plunger  EYE, operating plunger                         |
| 3004708  | -           | 3           | EYE, operating plunger   |
| 30 3039011   | 2           | ,           | SEAL, oil, operating plunger SEAL, oil, operating plunger              |
| 3038675  | -           | 3           | SEAL, oil, operating plunger   |
| 31 3038674<br>915406<br>904204                                       | 1<br>4<br>4 | 1<br>4<br>4 | HOUSING, detent closure<br>CAPSCREW, 1/4"NC x 3/4"<br>LOCKWASHER, 1/4" |
| 32 3016927   | 2           | 2           | PLUNGER, detent  |
| 33 3038678   | 1           | 1           | SPRING, detent   |
| 34 \ 3039208   | 1           | -           | CAP, detent, operating plunger   |
| 3038677  | -           | 1           | CAP, detent, operating plunger   |
| 35   | 1           | 1           | PLUNGER, operating, (Not serviced separately. See NOTE below)          |
| 36 3016931   | 2           | 2           | CAP, flow valve  |
| 37 3020876   | 2           | 2           | BALL, flow valve   |
| 38 3016929   | 2           | 2           | SEAT, flow valve   |
| 39 4252855   | 4           | 4           | O-RING, valve caps   |

NOTE: Valve housings and plungers are not serviced separately due to the extremely close fit required for satisfactory operation. This can be achieved only by matching and lapping plungers and housings as a unit.

When the plunger clearances become excessive due to normal wear, the valve housings may be returned to the manufacturer for installation of over-size plungers at a nominal charge. Consult your local Allis-Chalmers dealer for shipping instructions. Do not return to Allis-Chalmers factory.

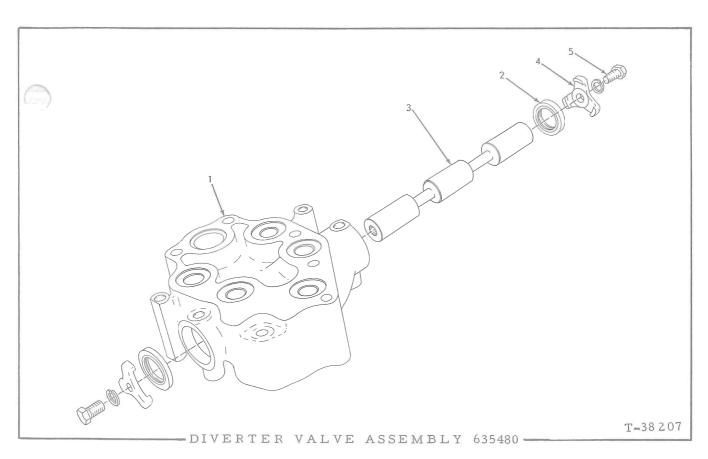
## DIVERTER VALVE AND CONTROLS

USAGE: Special equipment. Provides rear hydraulic outlet for operation of auxiliary equipment.

|        | A DEL MO                               |             | ANTITY  |  |
|--------|--|-------------|---------|--|
| ITEM P | ART NO.                                | * ** ***    |         | DESCRIPTION  |
| 1      | 091862                                 | 1           | 1 1     | KNOB, control rod  |
| 2 5    | 3016289                                | 1           |         | ROD, control   |
| 2      | 3023442                                | -           | 1 1     | END, control rod   |
|        | 913177                                 | 1           | 1 1     | NUT, jam, 1/2"NF   |
| 3      | eer did een fod sids did               | 1           | 1 1     | VALVE ASSEMBLY, diverter (Includes items 5 thru 9)(Used prior to May 1964. Order 635840 VALVE ASSY., 2 CAP-SCREW 093059 and 3 CAPSCREW 920605 and 5 O-RING 923664)   |
|        | 635480                                 | 1           | 1 1     | VALVE ASSEMBLY, diverter (See page 337 for parts) (Eff. May 1964)  |
| 4      | 043576                                 | 1           | 1 1     | CAPSCREW, 1/2"NF x 3-3/4"  |
|        | 904208                                 | î           | 1 1     | The second section of the second section is a second section of the second section sec |
| 5      | the pole and more easily and           | 1           | 1 1     | HOUSING, valve (Not serviced separately)   |
| 6      | 3016485                                | 2           | 2 2     | SEAL, operating plunger  |
| 7      | year more than bear direct tooks given | 1           | 1 1     | PLUNGER, operating (Not serviced separately)   |
| 8      | 624899                                 | 2           | 2 2     | STOP, operating plunger  |
| 9      | 070467                                 | 2           | 2 2 2 2 | STOP, operating plunger  CAPSCREW, 1/2"NF x 1"  l of each discarded after  |
| ·)     | 904208                                 | 2           | 2 2     | LOCKWASHER, 1/2" installing valve  |
| 10     | 624832                                 | -           | 2 2     | STRAP, operating plunger   |
| 11     | 917648                                 | _           | 2 2     | PIN, control rod end   |
| 1.1    | 900806                                 |             |         | PIN, cotter, 1/8" x 1"   |
|        | 910244                                 |             | 2 2     |  |
| 12 5   | 624939                                 | um          | 1 -     | LEVER ASSEMBLY, plunger control (Includes item 13)   |
| 12     | 624949                                 | -           | - 1     | LEVER ASSEMBLY, plunger control (Includes items 13 thru 15)  |
| 13     | 3013909                                | <b>1</b> 00 | 2 2     | BUSHING, plunger control lever   |
| 14     | 208253                                 | -           | - 2     | BEARING, needle, lever   |
| 15     | 052662                                 | -           | - 2     | SEAL, bearing lever  |
| 16     | 624947                                 | 1           | 1 1     | BRACKET ASSEMBLY, operating rod (Includes 1 PIN 921272)  |
|        | 921272                                 | 1           | 1 1     |  |
| 17     | 012992                                 | 4           | 4 4     | por the following region and control of the control |
|        | 904206                                 | 4           | 4 4     |  |
|        | 910255                                 | 1           | 1 1     |  |
|        | 921138                                 | 1           | 1 1     | NUT, elastic stop, 3/4"NF  |
| 18     | 3017015                                | 1           |         | SPACER, control lever  |
| 19     | 624843                                 | ***         | 1 1     | SPACER, control lever, top   |
| 2.0    | 624844                                 | -           | 1 1     | SPACER, control lever, lower   |
|        |  |             |         | (Continued)  |

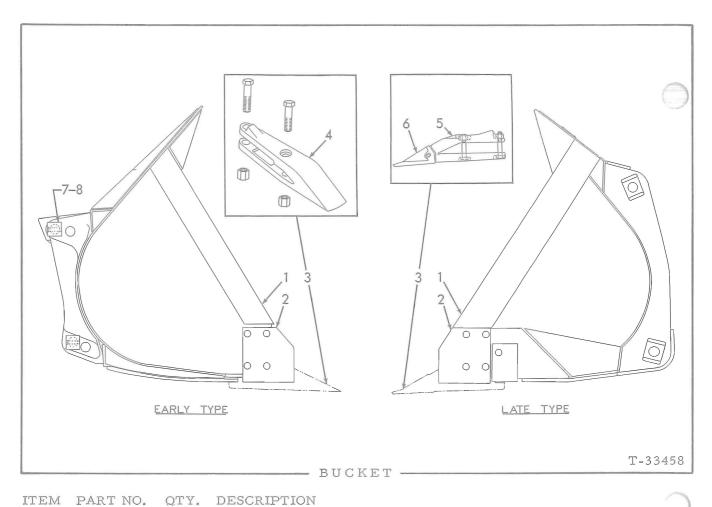
## DIVERTER VALVE AND CONTROLS (Continued)

| ו ליבו דים | PART NO.                   |             | AN:         | YTIT        | DESCRIPTION  |
|------------|----------------------------|-------------|-------------|-------------|--|
| ITEM       | PART NO.                   | ~           | ~~          | ~~~         | DESCRIPTION  |
| 21         | 624937                     | 1           | 1           | -           | TUBE ASSEMBLY, raise (Includes nuts)   |
| 22         | 624936                     | 1           | 1           | -           | TUBE ASSEMBLY, drop (Includes nuts)  |
| 23         | 3016322                    | 2           | 2           | -           | CONNECTOR, drop and raise  |
| 24         | 3016069<br>921244          | 2 2         | 2 2         | -           | UNION, bulkhead, tube assembly CAP, flare type, 3/4" tube (Remove when installing ripper piping)                         |
| 25         | 923649                     | 2           | 2           |             | O-RING, bulkhead union   |
| 2/         | 923649                     | 5           | 5           | 5           | O-RING, valve housing (1-1/4"I.D.)(Used prior to May 1964)   |
| 26         | 923664                     | 5           | 5           | 5           | O-RING, valve housing (1-1/2"I.D.)(Effective May 1964)   |
| 27         | 920605                     | 1 2         | 1<br>2      | 1<br>2      | VALVE ASSEMBLY, shovel control CAPSCREW, 1/2"NF x 8" (additional 3 used effective May 1964)                              |
|            | 920609<br>093059<br>904208 | 5<br>2<br>7 | 5<br>2<br>7 | 5<br>2<br>7 | CAPSCREW, 1/2"NF x 7-1/4" (Used prior to May 1964)<br>CAPSCREW, 1/2"NF x 8-1/2" (Effective May 1964)<br>LOCKWASHER, 1/2" |
| 28         | 923577                     | 1           | 1           | 1           | O-RING, flow valve plunger   |
| 29         | 923663                     | 4           | 4           | 4           | O-RING, valve housing  |
| 30         |                            | -           | -           | ,e=         | HOSE (See RIPPER PARTS LIST)   |



USAGE: See page 335

| ITEM   | PART NO.                       | QTY.        | DESCRIFTION  |
|--------|--------------------------------|-------------|--|
| 1      | were perio caro sous class con | 1           | HOUSING, valve (Not serviced separately)   |
| 2      | 3039011                        | 2           | SEAL, oil, operating plunger   |
| 3      |                                | 1           | PLUNGER, operating (Not serviced separately)   |
| 4<br>5 | 636462<br>070467<br>904208     | 2<br>2<br>2 | STOP, operating plunger  CAPSCREW, 1/2"NF x 1"  LOCKWASHER, 1/2"  l less used when installed |

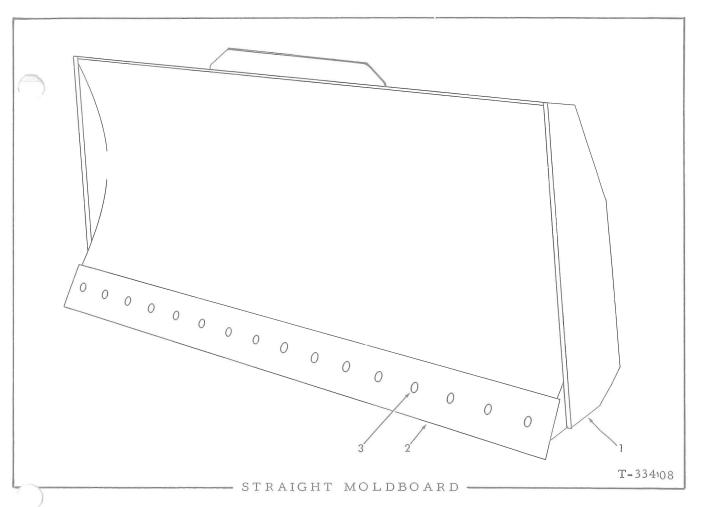


| ITEM | PART NO.           | QTY. | DESCRIPTION  |
|------|--------------------|------|--|
|      | 090277             | 1    | BUCKET ASSEMBLY, standard (First type. Includes EDGE 3024969) (Used prior to tractor No. 11094. If for tractors prior to #3158 also order items 6 and 7) |
|      | PT 000 000 000 000 | 1    | BUCKET ASSEMBLY, standard (Second type. Includes EDGE 625918) (Order BUCKET ASSEMBLY 626200)   |
|      |                    | 1    | BUCKET ASSEMBLY, narrow (Includes EDGE 3001121)(Discontinued)  |
| 1 <  | /                  | 1    | BUCKET ASSEMBLY, rock (Includes EDGE 3024969)(Discontinued)  |
|      |                    | 1    | BUCKET ASSEMBLY, heavy-duty (Used prior to November 1962. Includes EDGE 625918)(Order BUCKET ASSEMBLY 626200)  |
|      |                    | 1    | BUCKET ASSEMBLY, light materials (Includes EDGE 3026787)(Discontinued)   |
|      | 626200             | 1    | BUCKET ASSEMBLY, general purpose (Includes EDGE 625918) (Effective November 1962)  |

| ITEM | PART NO.           | QTY.      | DESCRIPTION  |
|------|--------------------|-----------|--|
| 9    | 3001121            | 1         | EDGE, cutting (5/8" thick x 55-1/2" long. Flat type)(For 059796 BUCKET. Requires welding to install)                             |
|      | 904396             | 24        | RIVET, ctsk-hd., 1/2" x 1-3/4"   |
|      | 3027497            | 1         | EDGE, cutting (57-1/2" long. Flat type)(For 3027505 BUCKET. Requires welding to install)   |
|      | 911575             | 20        | RIVET, ctsk-hd., 1/2" x 2"   |
|      | 3004947            | I         | EDGE, cutting (75-1/2" long. Flat type)(For 075406 BUCKET. Requires welding to install)  |
|      | 911575             | 26        | RIVET, ctsk-hd., 1/2" x 2"   |
|      | 3009734            | 1         | EDGE, cutting (77-1/4" long. Flat type)(For 3009376 BUCKET. Requires welding to install)   |
|      | 911575             | 18        | RIVET, ctsk-hd., 1/2" x 2"   |
|      | 3024969            | 1         | EDGE, cutting (10 tooth spacing. 76" long. For 090276,090277 Standard "Arrowhead" type) and 093812 BUCKET.                       |
|      | 3039376            | 1         | EDGE, cutting (10 tooth spacing. 76" long.  Hardened "Arrowhead"*type)  Requires welding to install                              |
| 2/   | 911575             | 26        | RIVET, ctsk-hd., 1/2" x 2"   |
| 2 <  | 625918             | 1         | EDGE, cutting (7 tooth spacing. 79" long. "Arrowhead"* type)(For 625800, 626226 and 626200 BUCKETS. Requires welding to install) |
|      | 911576             | 24        | RIVET, ctsk-hd., $1/2'' \times 2-1/4''$ (6 additional required with  |
| \    | 921806             | 8         | BUCKET 626200)<br>RIVET, ctsk-hd., $1/2$ " x 2-3/4" (Not used with BUCKET 626200)  |
| )    | 3024968            | 1         | EDGE, cutting (10 tooth spacing. 79" long. For 625720,097957 Standard "Arrowhead" type) and 097985 BUCKETS.                      |
|      | 3039375            | 1         | EDGE, cutting (10 tooth spacing. 79" long. Requires welding to install   |
|      | 911575             | 26        | RIVET, ctsk-hd., 1/2" x 2"   |
|      | 3006088            | 1         | EDGE, cutting (95-1/4" long. Flat type)(For 090275 BUCKET. Requires welding to install)  |
|      | 913639             | 28        | RIVET, pan-hd., 5/8" x 1-3/4"  |
|      | 3026787            | 1         | EDGE, cutting (95-1/4" long. "Arrowhead"* type)(For 3025340 and 097987 BUCKETS. Requires welding to install)                     |
|      | 3026966            | 30        | RIVET, pan-hd., 1/2" x 2"  |
|      |                    |           | *"Arrowhead" cutting edge, a product of "Allis-Chalmers"   |
|      | 3004420            | 10        | TOOTH ASSEMBLY, standard bucket (one piece)(Consists of one tooth and hardware indented below)                                   |
|      | 3019717            | 10        | CAPSCREW, $1/2$ "NF x 2-5/8"   |
|      | 3019718<br>3019733 | 10<br>20  | CAPSCREW, 1/2"NF x 2-7/8" NUT, high, 1/2"NF  |
| 3    | 3014989            | 10        | TOOTH ASSEMBLY, standard bucket (Two piece type. For flat cutting edge only)(Includes items 4 and 5)                             |
|      | 3022187            | 10        | TOOTH ASSEMBLY, heavy-duty bucket (Two piece type. For flat cutting edge only)(Includes items 4 and 5)                           |
| (Ite | em 3 Continue      | ed on ner | kt page) (Continued)   |

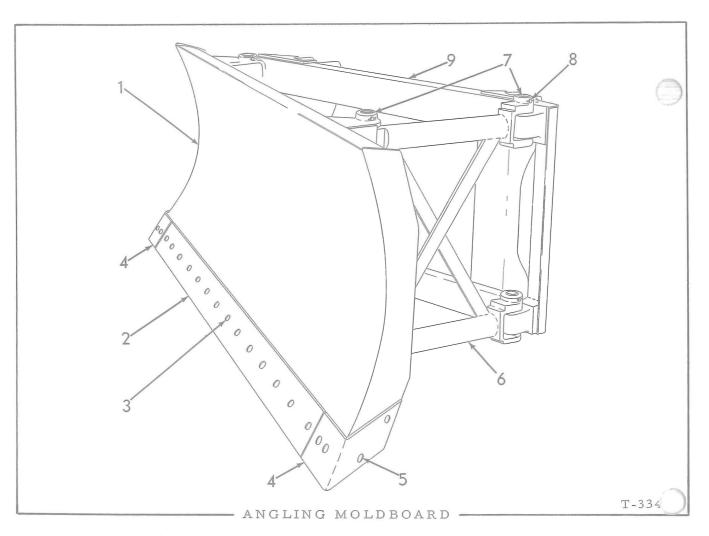
## BUCKET (Continued)

|       | PART NO.                | QTY. | DESCRIPTION   |
|-------|-------------------------|------|---|
| (Iter | n 3 Continue<br>3027870 | 10   | TOOTH ASSEMBLY, standard bucket (Two piece type. For "Arrohead" * cutting edge 3024968 and 3024969)(Includes items 4 and                            |
| 3 <   | 3032628                 | 7    | TOOTH ASSEMBLY, standard bucket (Two piece type. For "Arrow-head" * cutting edge 625918)(Includes items 4 and 5)                                    |
|       | 3031821                 | 7    | TOOTH ASSEMBLY, heavy-duty bucket (Two piece type. For "Arrow-head" * cutting edge 625918)(Includes items 4 and 5)                                  |
|       | 626223                  | 7    | TOOTH ASSEMBLY, general purpose bucket (Two piece type. For "Arrowhead"* cutting edge 625918 when used with 626200 BUCKET) (Includes items 4 and 5) |
|       |                         |      | *"Arrowhead" cutting edge, a product of "Allis-Chalmers"  |
| (     | 3014988                 | 1    | SHANK, tooth (For tooth assembly 3014989)   |
|       | 3019718                 | 2 2  | CAPSCREW, 1/2"NF x 2-5/8"   |
|       | 3019733                 | 4    | NUT, high, 1/2"NF   |
|       | 3022185                 | 1    | SHANK, tooth (For tooth assembly 3022187)   |
|       | 3019718<br>3019733      | 2 2  | CAPSCREW, 1/2"NF x 2-5/8" NUT, high, 1/2"NF   |
|       |                         | 7    |   |
|       | 3027869<br>3027871      | 1 2  | SHANK, tooth (For tooth assembly 3027870) CAPSCREW, 1/2"NF x 2-5/8"   |
| )     | 3019733                 | 2    | NUT, high, 1/2"NF   |
| 4 <   | 3032200                 | 1    | SHANK, tooth (For tooth assembly 3032628)   |
|       | 3033513                 | 2    | CAPSCREW, $5/8$ "NF x $3-1/2$ "   |
|       | 3033441                 | 2    | NUT, high, 5/8"NF   |
|       | 3031198                 | 1    | SHANK, tooth (For tooth assembly 3031821)   |
|       | 3033513<br>3033514      | 1    | CAPSCREW, 5/8"NF x 3-1/2" CAPSCREW, 5/8"NF  |
|       | 30333441                | 1    | NUT, high, 5/8"NF   |
|       | 626102                  | 1    | CITANIX tooth (For tooth convenies (2)(222)   |
|       | 626193<br>034440        | 1 2  | SHANK, tooth (For tooth assembly 626223)  CAPSCREW, 5/8"NF x 3-1/2"   |
|       | 072366                  | 2    | NUT, high, 5/8"NF   |
|       | 3014986                 | 1    | POINT, shank (For tooth assembly 3014989 only)  |
|       | 921454                  | 1    | PIN, roll, 1/2" x 2-3/8"  |
| 5 <   | 3020853                 | 1    | POINT, shank (Not for tooth assembly 3014989)   |
|       | 921200                  | ĩ    | PIN, roll, $1/2'' \times 2-3/4''$ (Not used with TOOTH ASSY 626223)   |
|       | 626279                  | 1    | PIN, roll (Used with TOOTH ASSY. 626223 only)   |
| 6     | 3019023                 | 4    | PIN, bucket pivot   |
|       | 913743                  | 6    | WASHER, plain (Use as req'd) See item 8   |
| 7     | 3019625                 | 4    | PIN, pivot lock   |
|       | 900806                  | 4    | PIN, cotter, 1/8" x 1"  |
| 8     | 3019424                 | I    | PIN KIT, bucket (Consists of items 6 and 7)   |



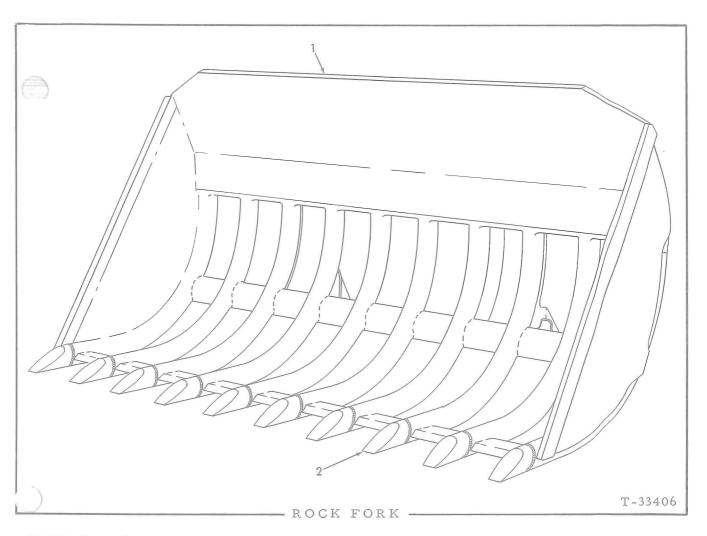
USAGE: Special equipment

\* 76" Moldboard \*\* 96" Moldboard QTY. ITEM PART NO. \* \*\* DESCRIPTION 097949 MOLDBOARD ASSEMBLY (Includes items 2 and 3) 1 1 097956 MOLDBOARD ASSEMBLY (Includes items 2 and 3) 3001417 EDGE, cutting 3001683 EDGE, cutting 1 BOLT, plow, 5/8"NC x 2" 3 617125 13 16 LOCKWASHER, 5/8" 904209 13 16 13 16 NUT, 5/8"NC 911029



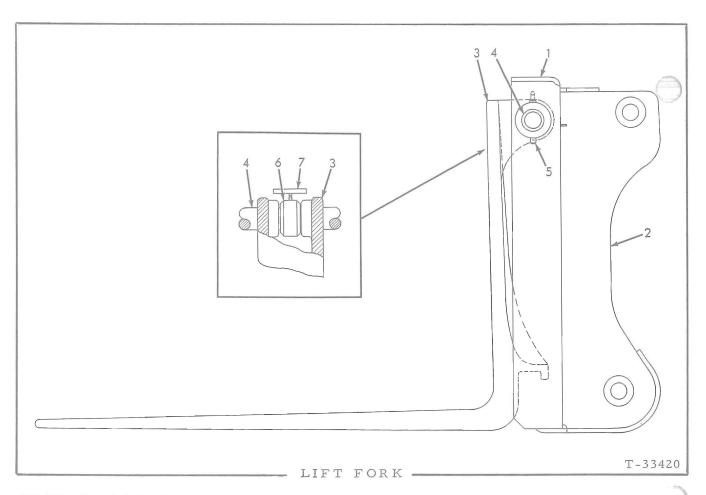
USAGE: Special equipment

| ITEM | PART NO.                             | QTY.                | DESCRIPTION  |
|------|--------------------------------------|---------------------|--|
| 1    | 098003                               | 1                   | MOLDBOARD ASSEMBLY (Includes items 2 thru 9)                       |
| 2 3  | 625648<br>617125<br>904209<br>911029 | 1<br>14<br>14<br>14 | EDGE, cutting BOLT, plow, 5/8"NC x 2" LOCKWASHER, 5/8" NUT, 5/8"NC |
| , )  | 625649                               | 1                   | BIT, left end  |
| 4 \  | 625650                               | 1                   | BIT, right end   |
| 5    | 617125<br>904209<br>911029           | 8<br>8<br>8         | BOLT, plow, 5/8"NC x 2"<br>LOCKWASHER, 5/8"<br>NUT, 5/8"NC         |
| 6    | 625660                               | 1                   | STRUT, moldboard   |
| 7    | 625656                               | 6                   | PIN, moldboard pivot   |
| 8    | 3001621<br>900806                    | 6                   | PIN, retaining, moldboard<br>PIN, cotter, 1/8" x 1"                |
| 0    | 3003302                              | 1                   | FRAME, moldboard mounting (Used prior to tractor #11094)           |
| 7    | 625624                               | 1                   | FRAME, moldboard mounting (Effective with tractor #11094 and       |



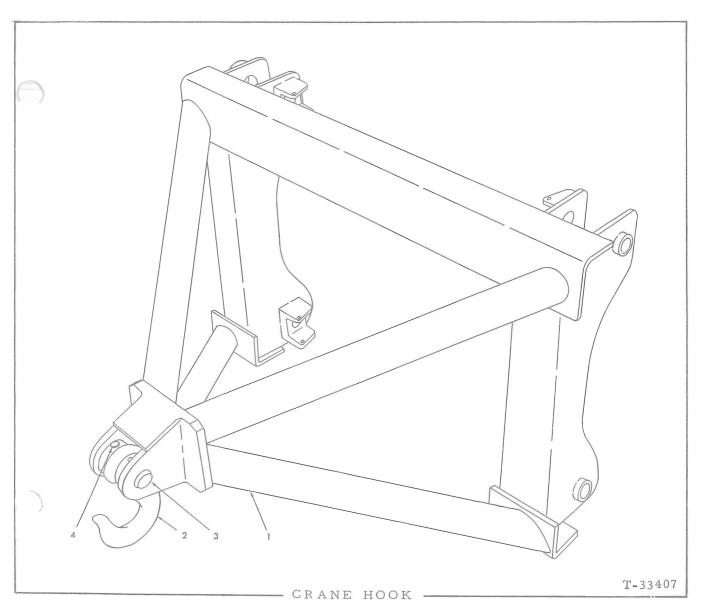
USAGE: Special equipment

| ITEM | P | ART NO. | QTY.      | DESCRIPTION   |
|------|---|---------|-----------|---|
|      |   | 097989  | 1         | ROCK FORK ASSEMBLY (3" spacing. 14 teeth)(Includes item 2)  |
|      |   | 097990  | 1         | ROCK FORK ASSEMBLY (4" spacing. 12 teeth)(Includes item 2)  |
| 1    |   | 097991  | 1         | ROCK FORK ASSEMBLY (5" spacing. 11 teeth)(Includes item 2)  |
| 1    |   | 097992  | 1         | ROCK FORK ASSEMBLY (6" spacing. 10 teeth)(Includes item 2)  |
|      |   | 097993  | 1         | ROCK FORK ASSEMBLY (7" spacing. 9 teeth. (Includes item 2)  |
|      |   | 097994  | 1         | ROCK FORK ASSEMBLY (8-1/4" spacing. 8 teeth)(Includes item 2)   |
| 2    |   | 3003042 | as req'd. | TOOTH, rock fork (Requires welding to install)  |
| 3    |   | 3003512 | -         | TIP, rock and tine fork (For 3003520 Rock Fork and 3005454 Tine Fork)(Requires welding to install)(Not illustrated) |



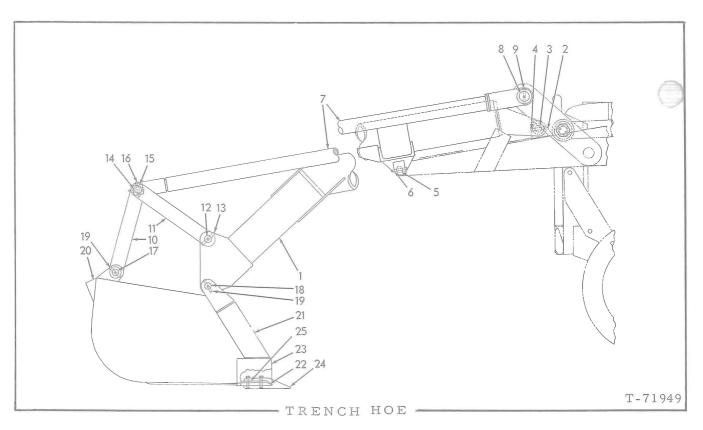
USAGE: Special Equipment

\* Fixed tines \*\* Adjustable tines QTY. ITEM PART NO. DESCRIPTION 097996 LIFT FORK ASSEMBLY (Includes items 2 thru 5) 097997 LIFT FORK ASSEMBLY (Includes items 2 thru 7) 3012699 FRAME, lift fork Used prior to tractor #11094 3003506 FRAME, lift fork 2 626412 1 FRAME, lift fork Tractors #11094 and up 626421 FRAME, lift fork 3017914 FORK, lift 3017913 FORK, lift 3012546 PIN, fork supporting 3003507 BAR, fork supporting (Used prior to tractor #11094) 3024317 2 BAR, fork supporting (Tractors #11094 and up) 5 3001622 2 1 PIN, retaining 900806 2 PIN, cotter, 1/8" x !" 1 6 3003508 2 SPACER, supporting bar 7 3002629 SCREW ASSEMBLY, spacer locking (Includes handle)



USAGE: Special equipment. Production discontinued

| ITEM | PART NO.          | QTY.   | DESCRIPTION                           |
|------|-------------------|--------|---------------------------------------|
| 1    | ME DIS COL COL MA | 1      | FRAME (Not serviced)                  |
| 2    | 3003458           | 1      | HOOK, lifting, crane                  |
| 3    | 3004830           | 1      | PIN, pivot, hook                      |
| 4    | 3001621<br>900806 | 1<br>1 | PIN, retaining PIN, cotter, 1/8" x 1" |



USAGE: Special Equipment. Production Discontinued

914465

2

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- \* Used prior to Trench Hoe #673 excluding Nos. 633, 646, 648 thru 654, 656, 658 thru 664, 666, 667 and 671
- \*\* Effective with Trench Hoe #673 including Nos. 633,646, 648 thru 654,656 thru 664,666,667 and 671

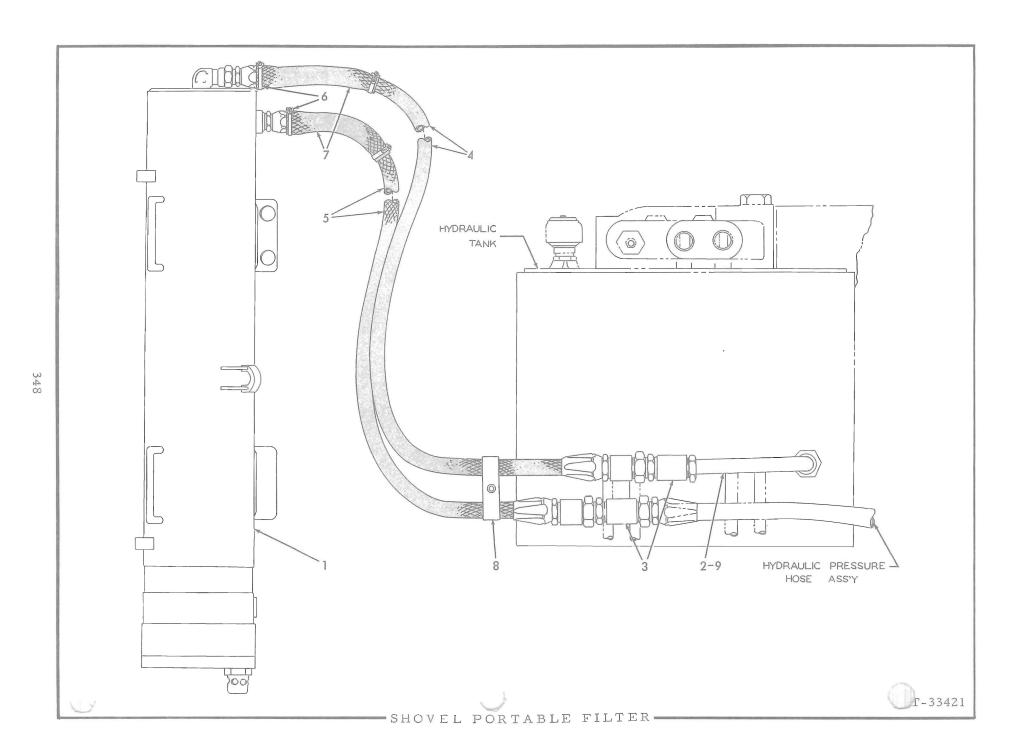
#### QTY. ITEM PART NO. \* \*\* DESCRIPTION 3004343 1 1 BOOM, trench hoe 2 3021751 LUG, boom pivot (Requires welding to shovel boom) 3 3004399 2 2 PIN, boom attaching, rear 4 3001621 PIN, retaining, rear boom pin 2 900806 PIN, cotter, 1/8" x 1" 2 3003921 PIN, boom attaching, front 3019023 PIN, boom attaching, front 913743 WASHER, plain (Use as req'd) 3001621 PIN, retaining, front boom pin 3019625 PIN, retaining, front boom pin PIN, cotter, 1/8" x 1" 900806 3004350 STRUT, dump 3019954 STRUT, dump

(Continued)

FITTING, lubricating, straight, 1/8"NPT

#### TRENCH HOE (Continued)

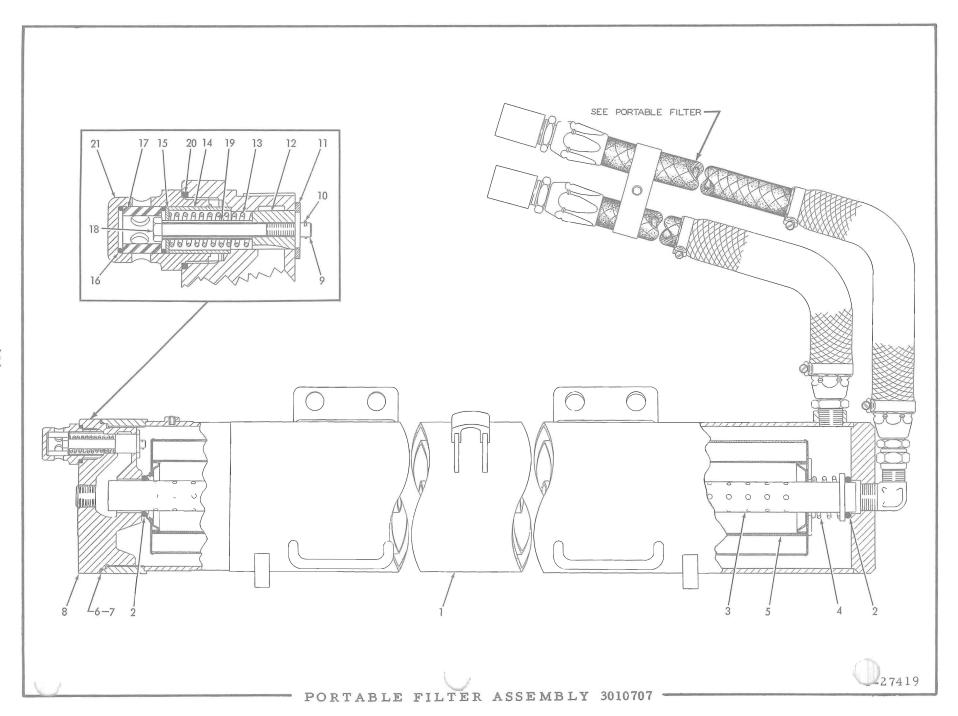
```
QTY.
ITEM PART NO.
                             DESCRIPTION
                       **
          3004372
                     2
                         2
                             PIN, pivot, strut
          914465
                     2
                         2
                                 FITTING, lubricating, straight, 1/8"NPT
   9
          3001622
                         2
                             PIN, retaining, strut pivot pin
                         2
          900806
                     2
                                 PIN, cotter, 1/8" x 1"
          3004353
                     2
                             LINK, bucket pivot, front
  10
          3019955
                         2
                             LINK, bucket pivot, front
          3004352
                     2
                             LINK, bucket pivot, rear
  11
                         2
                             LINK, bucket pivot, rear
          3019950
                         2
  12
          3004373
                     2.
                             PIN, rear link
          914465
                         2
                                 FITTING, lubricating, straight, 1/8"NPT
                     2
  13
          3001621
                     2
                         2
                             PIN, retaining, rear link pin
          900806
                         2
                                 PIN, cotter, 1/8" x 1"
  14
          3004371
                     1
                         1
                             SPACER, dump linkage
  15
          3004370
                             PIN, retaining, dump linkage
                     1
                         1
  16
          3001621
                     1
                             PIN, retaining, dump linkage pin
                         1
          900806
                     1
                         1
                                 PIN, cotter, 1/8" x 1"
                             PIN, bucket, front
  17
          3001914
                     1
                         1
          914465
                     1
                         1
                                 FITTING, lubricating, straight, 1/8"NPT
                         2
          3004373
                     2
                             PIN, bucket, rear
                     2
                         2
                                 FITTING, lubricating, straight, 1/8"NPT
          914465
  19
                         3
          3001621
                     3
                             PIN, retaining, bucket pin
          900806
                     3
                         3
                                 PIN, cotter, 1/8" x 1"
          3004368
                     1
                             BUCKET ASSEMBLY (25" wide) (Includes items 21 and 22)
                             BUCKET ASSEMBLY (31" wide)(Includes items 21, 22 and 23)
          3004511
                     1
                         1
          3004362
                     1
                             BAR, reinforcing, left side
                                                                Requires welding to install
          3004363
                     1
                         1
                             BAR, reinforcing, right side
                             EDGE, cutting (3/4" thick. 25" wide)(Used with BUCKET ASSY.
          3005305
                         1
                                3004368) (Requires welding to install)
  22
          3004507
                     1
                         1
                             EDGE, cutting (31" wide)
                                                              Used with BUCKET ASSY. 3004511.
                                                              Requires welding to install
  23
          3004735
                     2
                         2
                             BIT, end
          3003110
                     4
                         4
                             TOOTH ASSEMBLY (Consists of one tooth and hardware indented
                                below)(Used with 1/2" thick cutting edge. Two additional required
                                on early units)
          912921
                     8
                         8
                                  BOLT, plow, 1/2"NC x 2-1/4" (Includes nut) \ 4 additional requir-
                                                                                ed on early units.
          904208
                     8
                         8
                                  LOCKWASHER, 1/2"
  2.4
          3001707
                     4
                         4
                             TOOTH ASSEMBLY (Consists of one tooth and hardware indented be-
                                low)(Used with 3/4" thick cutting edge)
                     8
                         8
                                 BOLT, plow, 1/2"NC x 3"
          915247
          904208
                     8
                         8
                                 LOCKWASHER, 1/2"
                         8
          910325
                     8
                                 NUT, 1/2"NC
  25
          3005310
                     4
                         4
                             SPACER, tooth (Used with TOOTH ASSY, 3001707 only)
```



## SHOVEL PORTABLE FILTER

USAGE: Special equipment. For reconditioning shovel hydraulic system fluid

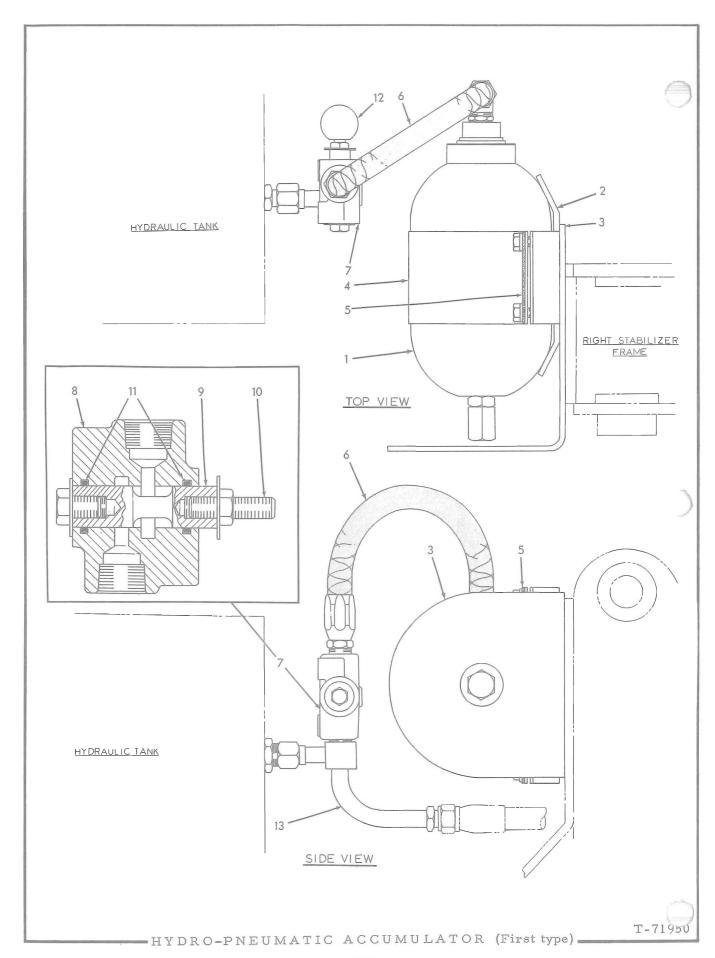
| ITFY | PART NO.                              | QTY.        | DESCRIPTION   |
|------|---------------------------------------|-------------|---|
| r    | 3010707                               | 1           | FILTER ASSEMBLY, hydraulic oil (See page 351 for parts) (See item 10)   |
| 2    | 3017816<br>919064                     | 1           | TUBE ASSEMBLY, filter hose to hydraulic tank (Includes nut) See CONNECTOR, flare type, 1" tube, 1"NPT male item 9               |
| 3    | 3004141                               | 2           | COUPLING, tube to hose (See item 10)  |
| 4    | 3010972                               | 1           | HOSE ASSEMBLY, filter to hydraulic tank (See page 6 for parts) (Also includes 2 CLAMP 921913 and 1 GUARD 3011715) (See item 10) |
| 5    | 3010979                               | 1           | HOSE ASSEMBLY, filter to pressure line (See page 6 for parts) (Also includes 2 CLAMP 921913 and 1 GUARD 3011715) (See item 10)  |
| 6    | 921913                                | 4           | CLAMP, hose (1-13/16" to 2-3/4" diam.)  |
| 7    | 3011715                               | 2           | GUARD, hose protecting  |
| 8    | 3011114<br>916381<br>904206<br>910123 | 2<br>1<br>1 | CLAMP, hose (See item 10) CAPSCREW, 3/8"NF x 3/4" LOCKWASHER, 3/8" NUT, 3/8"NF  |
| 9    | 3017869                               | -           | PIPING AND ADAPTER KIT (Consists of TUBE ASSEMBLY 3017816 and CONNECTOR 919064. One (1) kit required per tractor)               |
| 10   | 3012166                               | en          | FILTER KIT, hydraulic system fluid (Consists of items 1, 3 thru 5 and 8. One (1) kit required per tractor)(Not illustrated)     |
|      |                                       |             |   |



## PORTABLE FILTER ASSEMBLY 3010707

# USAGE: See page 349

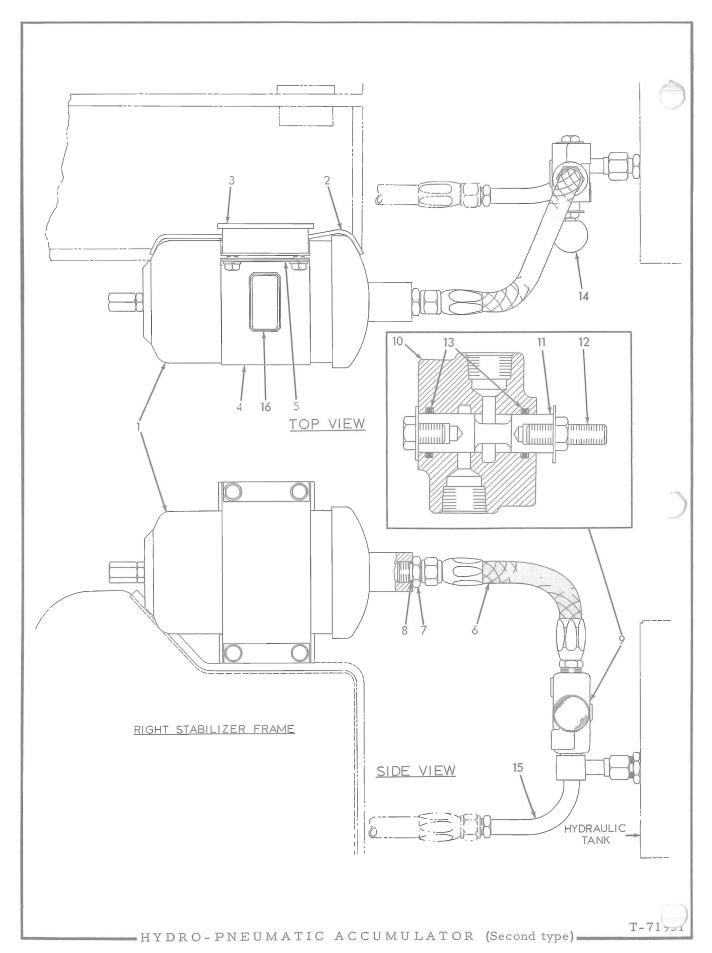
| IT-M    | PART NO.                    | QTY.        | DESCRIPTION   |
|---------|-----------------------------|-------------|---|
| 1       | 3010638<br>907859<br>920686 | 1<br>1<br>1 | CASE, filter PLUG, pipe, ctsk-hd., 1/4"NPT ELBOW, 90°, flare type, 1" tube, 1"NPT |
| 2       | 9 23826                     | 2           | O-RING, element tube  |
| 3       | 3011370                     | 1           | TUBE, element locating  |
| 4       | 3010706<br>900826           | 1<br>I      | SPRING, filter<br>WASHER, plain, SAE std., 1-3/4"                                 |
| 5       | 3010360                     | 5           | ELEMENT, filter   |
| 6       | 924166                      | 1           | O-RING, filter head (Also order 1 RING 3012554)                                   |
| 7       | 3012554                     | 1           | RING, back-up (Also order 1 O-RING 924166)  |
| 8       | 3010529<br>909365           | 1           | HEAD, filter<br>PLUG, pipe, ctsk-hd., l"NPT                                       |
| 9<br>10 | 3002978<br>023756           | 2<br>1      | CAPSCREW, valve locating (5/16"NC x 3/4")<br>WIRE, locking, 1/16" x 26"           |
| 11      | 3010555                     | 1           | PLATE, retaining  |
| 12      | 3010712                     | 1           | PLUNGER, valve  |
| 13      | 3010713                     | 1           | SPRING, safety valve  |
| )       | 3010540                     | 1           | BUSHING, valve  |
| 15      | 3010539                     | 1           | SPACER, valve bushing   |
| 16      | 923575                      | 2           | O-RING, valve tube  |
| 17      | 3010645                     | 1           | TUBE (Lucite)   |
| 18      | 3015609                     | 1           | CAPSCREW, valve centering $(3/8"NF \times 3-1/4")$                                |
| 19      | 3010710                     | 1           | SPACER, plunger   |
| 20      | 923577                      | 1           | O-RING, valve cap   |
| 21      | 3010586                     | 1           | CAP, valve  |



# HYDRO-PNEUMATIC ACCUMULATOR

USAGE: Special Equipment on Shovel. Standard equipment on Pulpwood Loader, Production Disc.

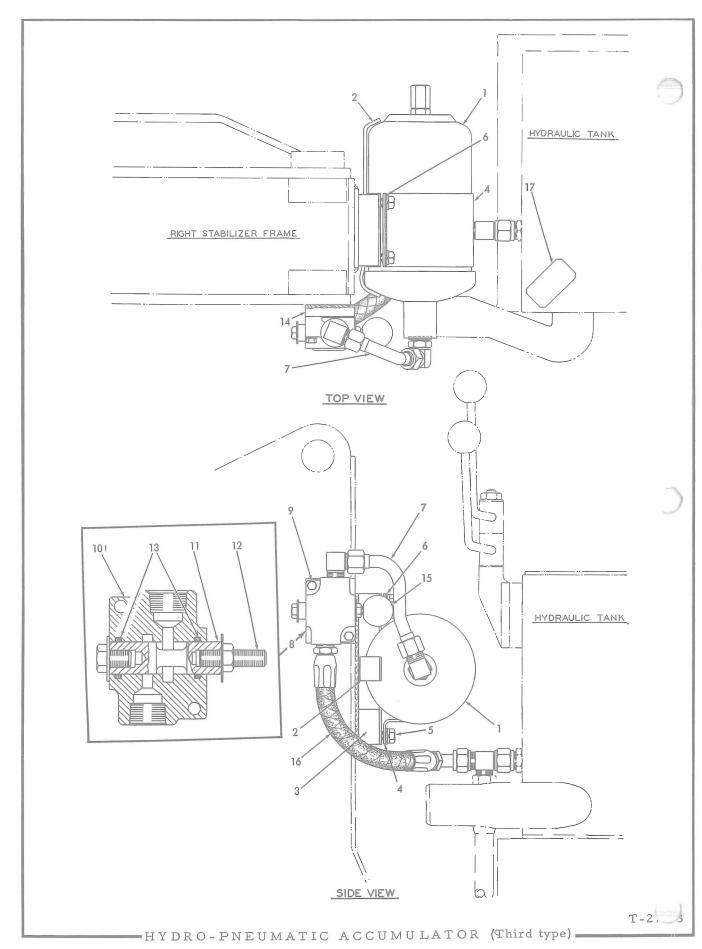
| ITFM | PART NO.                    | QTY.        | DESCRIPTION  |
|------|-----------------------------|-------------|--|
| 1    | 3016936                     | 1           | ACCUMULATOR ASSEMBLY (Serviced only as a unit)   |
| 2    | 3014756                     | 1           | CLAMP, accumulator   |
| 3    | 3020163                     | 1           | PLATE, accumulator mounting (Requires welding to install)  |
| 4    | 3014758<br>913105<br>904208 | 1<br>4<br>4 | STRAP, mounting CAPSCREW, 1/2"NF x 1-1/2" LOCKWASHER, 1/2"   |
| 5    | 3014754                     | 2           | STRIP, vibration   |
| 6    | 3020162<br>921203           | 1           | HOSE ASSEMBLY, accumulator to valve (See page 6 for parts) ELBOW, adjustable, 90°, flare type, 3/4" tube, 1-1/16" straight thread (Includes washer, nut and O-RING 921206) |
| 7    | 3019649                     | 1           | VALVE ASSEMBLY, selector (Consists of items 8 thru 11)   |
| 8    |                             | 1           | HOUSING, valve (Not serviced separately. Order item 7)   |
| 9    | 916419<br>910244            | 1<br>1<br>1 | PLUNGER, valve (Not serviced separately. Order item 7)<br>CAPSCREW, 1/2"NF x 3/4"<br>WASHER, plain, SAE std., 1/2"   |
| 10   | 3023433<br>910244<br>911043 | 1<br>1<br>1 | STUD, valve plunger (1/2" diam.) WASHER, plain, SAE std., 1/2" NUT, 1/2"NF   |
| ].1  | 3023434                     | 2           | O-RING, sealing, plunger   |
| 14   | 090020                      | 1           | KNOB, valve control  |
| 13   | 3017892                     | 1           | TUBE ASSEMBLY, valve to tank (Includes nut)  |
| 14   | 3024099                     | 1           | STICKER, instruction (Not illustrated)   |



## HYDRO-PNEUMATIC ACCUMULATOR

USAGE: Special equipment on Shovel. Standard equipment on Pulpwood Loader, Production Disc.

| ITĽM | PART NO.                    | QTY.        | DESCRIPTION  |  |
|------|-----------------------------|-------------|--|--|
| 1    | 3024088                     | 1           | ACCUMULATOR ASSEMBLY (Serviced only as a unit)   |  |
| 2    | 3024087                     | 1           | BRACKET, accumulator   |  |
| 3    | 626397                      | 1           | PLATE, accumulator mounting (Requires welding to install)  |  |
| 4    | 3024089<br>913105<br>904208 | 1<br>4<br>4 | STRAP, mounting<br>CAPSCREW, 1/2"NF x 1-1/2"<br>LOCKWASHER, 1/2"   |  |
| 5    | 3014754                     | 2           | STRIP, vibration   |  |
| 6    | 3024545                     | 1           | HOSE ASSEMBLY, accumulator to valve (See page 6 for parts)   |  |
| 7    | 3016322                     | 1           | CONNECTOR, hose  |  |
| 8    | 923934                      | 1           | O-RING, connector  |  |
| 9    | 3019649                     | 1           | VALVE ASSEMBLY, selector (Consists of items 10 thru 13)  |  |
| 10   |                             | 1           | HOUSING, valve (Not serviced separately. Order item 9)   |  |
| 11   | 916419<br>910244            | 1<br>1<br>1 | PLUNGER, valve (Not serviced separately. Order item 9)<br>CAPSCREW, 1/2"NF x 3/4"<br>WASHER, plain, SAE std., 1/2" |  |
| 1.2  | 3023433<br>910244<br>911043 | 1<br>1<br>1 | STUD, valve plunger (1/2" diam.) WASHER, plain, SAE std., 1/2" NUT, 1/2"NF   |  |
| 15   | 3023434                     | 2           | O-RING, sealing, plunger   |  |
| 4    | 090020                      | 1           | KNOB, valve control  |  |
| 5    | 3017892                     | 1           | TUBE ASSEMBLY, valve to tank (Includes nut)  |  |
| 16   | 3024099                     | 1           | STICKER, instruction   |  |



## HYDRO-PNEUMATIC ACCUMULATOR

USAGE: Special equipment on Shovel. Standard equipment on Pulpwood Lcader. Production Disc.

| ITTM          | PART NO.                             | QTY.        | DESCRIPTION  |  |
|---------------|--------------------------------------|-------------|--|--|
|               | 3024088                              | 1           | ACCUMULATOR ASSEMBLY (Serviced only as a unit)   |  |
| 2             | 626398                               | 1           | BRACKET, accumulator   |  |
| 3             | 626397                               | 1           | PLATE, accumulator mounting (Requires welding to install)  |  |
| <u>4</u><br>5 | 3024089<br>035018<br>904208          | 1<br>4<br>4 | STRAP, mounting CAPSCREW, 1/2"NF x 1-1/2" LOCKWASHER, 1/2"   |  |
| 6             | 3014754                              | 2           | STRIP, vibration   |  |
| 7             | 626404<br>919269<br>921203<br>921206 | 1<br>1<br>1 | TUBE ASSEMBLY, accumulator to valve (Includes nuts)  ELBOW, flare type, 3/4" tube, 3/4"NPT male  ELBOW, adjustable, 90°, flare type, 3/4" tube, 1-1/16"  straight thread (Includes washer, nut and O-RING 921206)  O-RING, elbow sealing |  |
| 8             | 3027596<br>046419<br>904206          | 1<br>2<br>2 | VALVE ASSEMBLY, selector (Consists of items 10 thru 13) CAPSCREW, 3/8"NF x 2" LOCKWASHER, 3/8"   |  |
| 10            |                                      | 1           | HOUSING, valve (Not serviced separately. Order item 8)   |  |
| 11            | 916419<br>910244                     | 1<br>1<br>1 | PLUNGER, valve (Not serviced separately. Order item 8) CAPSCREW, 1/2"NF x 3/4" WASHER, plain, SAE std., 1/2"   |  |
| 1.2           | 3023433<br>910244<br>911043          | 1<br>1<br>1 | STUD, valve plunger (1/2" diam.) WASHER, plain, SAE std., 1/2" NUT, jam, 1/2"NF  |  |
| 13            | 3023434                              | 2           | O-RING, sealing, plunger   |  |
| 14            | 626399                               | 1           | PLATE, valve mounting (Requires welding to install)  |  |
| 15            | 090020                               | 1           | KNOB, valve control  |  |
| 16            | 626405<br>921691                     | 1           | HOSE ASSEMBLY, valve to tank (See page 6 for parts) TEE, flare type, swivel nut, 3/4" tube)(Replaces standard ELBOW 625793)  |  |
| 17            | 3024099                              | 1           | STICKER, instruction   |  |

### LOADER FRAME AND TONG

USAGE: Tractors prior to serial No. 11094 equipped with Pulpwood Loader. Production discontinued.

|             | tillaca,  |                            |   |
|-------------|---|----------------------------|---|
| I'. I       | PART NO.  | QTY.                       | DESCRIPTION   |
| 1           | 3021976   | 1                          | FRAME, loader   |
| 2<br>3<br>4 | 3022003<br>036032<br>036034<br>904206<br>911115           | 2<br>4<br>8<br>12<br>12    | PLATE, cylinder cover CAPSCREW, 3/8"NF x 3/4" CAPSCREW, 3/8"NF x 1" LOCKWASHER, 3/8" WASHER, plain, SAE std., 3/8"                          |
| 5<br>6      | 3022777<br>036032<br>904206<br>911115                     | 2<br>4<br>4<br>4           | PLATE, cylinder inspection CAPSCREW, 3/8"NF x 3/4" LOCKWASHER, 3/8" WASHER, plain, SAE std., 3/8"   |
| 7<br>8      | 3022892<br>036032<br>904206<br>911115                     | 2<br>4<br>4<br>4           | PLATE, access, cylinder hose connection CAPSCREW, 3/8"NF x 3/4" LOCKWASHER, 3/8" WASHER, plain, SAE std., 3/8"                              |
| 9           | 3023208<br>914875<br>904208<br>910244<br>916404<br>904209 | 1<br>4<br>4<br>4<br>3<br>3 | PLATE, hose protecting  CAPSCREW, 1/2"NF x 1"  LOCKWASHER, 1/2"  WASHER, plain, SAE std., 1/2"  CAPSCREW, 5/8"NF x 1-1/4"  LOCKWASHER, 5/8" |
| 1.0         | 3021713   | 1                          | TONG ASSEMBLY, loader frame, left (Includes item 11)  |
| 10          | 3021714   | 1                          | TONG ASSEMBLY, loader frame, right (Includes item 11)   |
| 11          | 3004981   | 4                          | BUSHING, loader tong  |
| 12<br>13    | 3021738<br>914465<br>3001559<br>917835                    | 2<br>2<br>2<br>2           | PIN, tong pivot FITTING, lubricating, straight, 1/8"NPT WASHER, plain NUT, elastic stop, 1-1/2"NF   |
| 14          | 3022012   | 2                          | SHIM, tong adjustment (Use as req'd. 1/16" thick)   |
| 14          | 3022013   | 2                          | SHIM, tong adjustment (Use as req'd.) Requires welding to install 1/8" thick)   |
| 15          | 3022014   | 4                          | BLOCK, tong stop (Requires welding to install)  |
| 16          | 3019873   | 2                          | FORK, loader frame  |
| 17          | 3012546   | 2                          | PIN, fork pivot   |
| 18          | 3001622<br>900806   | 2 2                        | PIN, pivot lock PIN, cotter, 1/8" x !"  |
| 1.0         | 3021746   | Ī                          | LINK ASSEMBLY, dump, left. Includes tem 20)  Replaces standard  |
| 19          | 3021747   | 1                          | LINK ASSEMBLY, dump, right (Includes 3019153 & 3019154 item 20)   |

(Continued)

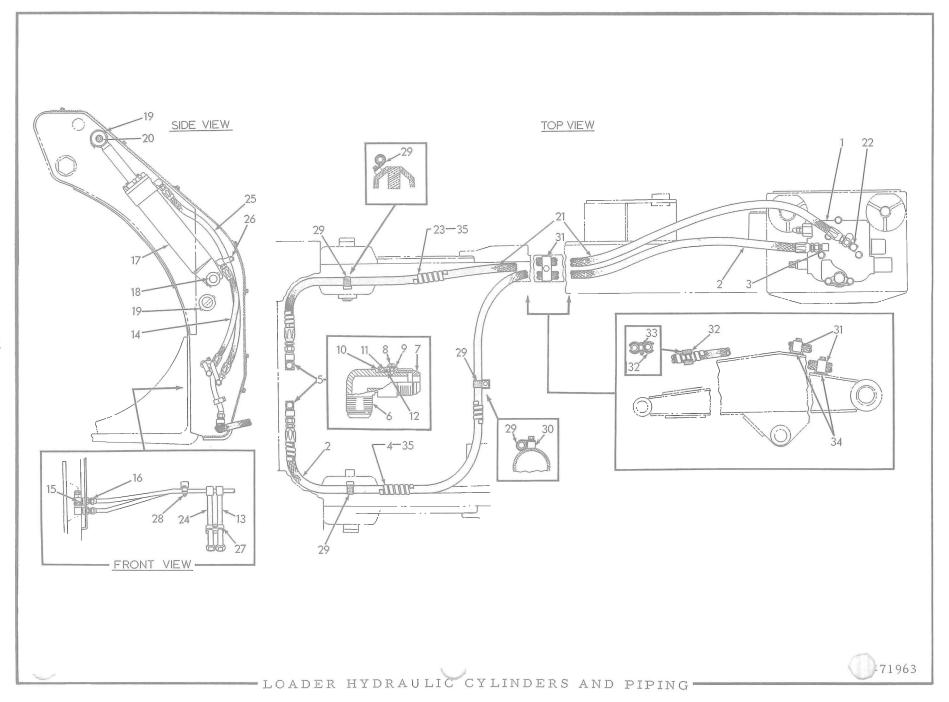
## LOADER FRAME AND TONG (Continued)

| ITEM | PART NO.                     | QTY.        | DESCRIPTION  |
|------|------------------------------|-------------|--|
| 20   | 3001031                      | 4           | BUSHING, dump link   |
| 21   | 3021939                      | 1           | EXTENSION ASSEMBLY, left boom (Includes item 22)                                   |
| 21   | 3021940                      | 1           | EXTENSION ASSEMBLY, right boom (Includes item 22)                                  |
| 22   | 3001031                      | 4           | BUSHING, boom extension  |
| 23   | 3019023                      | 4           | PIN, pivot, dump link and boom extension   |
| 24   | 3020131<br>900806            | 4<br>4      | PIN, pivot lock PIN, cotter, 1/8" x 1"   |
| 25   | 3022004                      | 2           | PIN, attaching, extension to boom, rear  |
| 26   | 3001622<br>900806            | 2 2         | PIN, pivot lock PIN, cotter, 1/8" x 1"   |
| 27   | 3018113<br>3005496<br>917776 | 2<br>2<br>2 | PIN, attaching, extension to boom, front WASHER, plain NUT, elastic stop, 1-1/4"NF |
| 28   |                              | con         | CYLINDER ASSEMBLY (See LOADER HYDRAULIC CYLINDERS AND PIPING)                      |

## LOADER FRAME AND TONG

USAGE: Tractors serial No. 11094 and up equipped with Pulpwood Loader. Production discontinued.

| -           | tinued.  |                            |  |
|-------------|--|----------------------------|--|
| I           | PART NO.   | QTY.                       | DESCRIPTION  |
| 1           | 626323   | 1                          | FRAME, loader  |
| 2<br>3<br>4 | 626319<br>036032<br>036034<br>904206<br>911115           | 2<br>4<br>8<br>12<br>12    | PLATE, cylinder cover CAPSCREW, 3/8"NF x 3/4" CAPSCREW, 3/8"NF x 1" LOCKWASHER, 3/8" WASHER, plain, SAE std., 3/8"                         |
| 5<br>6      | 626317<br>036032<br>904206<br>911115                     | 4<br>8<br>8<br>8           | COVER, cylinder inspection CAPSCREW, 3/8"NF x 3/4" LOCKWASHER, 3/8" WASHER, plain, SAE std., 3/8"  |
| 7<br>8      | 626318<br>916404<br>035014<br>904209<br>911100<br>911044 | 1<br>3<br>3<br>6<br>6<br>3 | PLATE, hose protecting  CAPSCREW, 5/8"NF x 1-1/4"  CAPSCREW, 5/8"NF x 1-1/2"  LOCKWASHER, 5/8"  WASHER, plain, SAE std., 5/8"  NUT, 5/8"NF |
| 9           | 3021713  | 1                          | TONG ASSEMBLY, loader frame, left (Includes 2 BUSHING 3004981)   |
| ,           | 3021714  | 1                          | TONG ASSEMBLY, loader frame, right (Includes 2 BUSHING 3004981)  |
| 10          | 3004981  | 4                          | BUSHING, loader tong   |
| 11          | 3021738<br>914465<br>3001559<br>917835                   | 2<br>2<br>2<br>2           | PIN, tong pivot FITTING, lubricating, straight, 1/8"NPT WASHER, plain NUT, elastic stop, 1-1/2"NF  |
| 1.0         | 3022012  | 2                          | SHIM, tong adjustment (Use as req'd. 1/16" thick)  |
| 13          | 3022013  | 2                          | SHIM, tong adjustment (Use as req'd. 1/8" thick)  Requires welding to install  |
| 14          | 3022014  | 4                          | BLOCK, tong stop (Requires welding to install)   |
| 15          | 3019873  | 2                          | FORK, loader frame   |
| 16          | 3012546  | 2                          | PIN, fork pivot  |
| 17          | 3001622<br>900806  | 4<br>4                     | PIN, pivot lock PIN, cotter, 1/8" x 1"   |
| 18          | *** *** *** *** ***                                      | -                          | CYLINDER ASSEMBLY (See LOADER HYDRAULIC CYLINDERS AND PIPING)  |
| 19          |  | 610                        | BOOM and LINK (See SHOVEL LINKAGE)   |
|             |  |                            |  |



### LOADER HYDRAULIC CYLINDERS AND PIPING

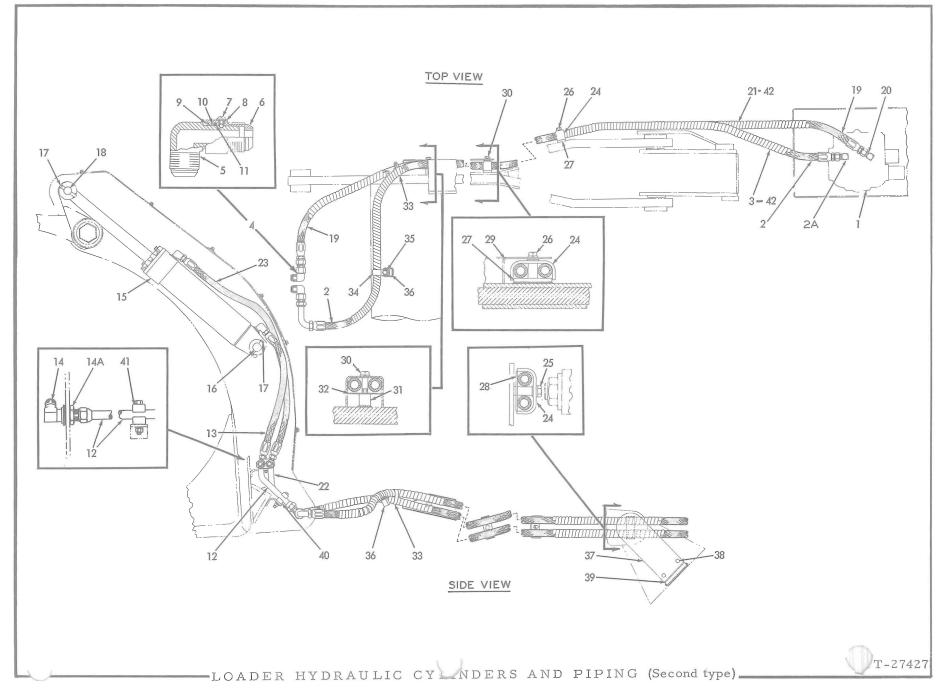
USAGE: Tractors prior to serial No.11094 equipped with Pulpwood Loader. Production discontinued,

| IT-M        | PART NO.                     | QTY.        | DESCRIPTION   |  |  |
|-------------|------------------------------|-------------|---|--|--|
| 1           | MAN DOWN DOWN DOWN STON      | 1           | VALVE ASSEMBLY (See HYDRAULIC TANK AND CONTROL VALVE)   |  |  |
| 2 3         | 3020275<br>3002184           | 1           | HOSE ASSEMBLY, tong closing (See page 6 for parts) ELBOW, swivel  |  |  |
| 4           |                              | 1           | GUARD, hose protecting (132" long. Order item 35)   |  |  |
| 5           | 3009453                      | 2           | ELBOW ASSEMBLY, hose swivel (Consists of items 6 thru 12)   |  |  |
| 6           |                              | 1           | ADAPTER, swivel, male (Not serviced separately)   |  |  |
| 7<br>8<br>9 | 915906<br>3009451<br>3011236 | 1<br>1<br>1 | ADAPTER, swivel, female (Not serviced separately) BALL, steel, 3/16" diam. SCREW, machine, rd-hd. WASHER, plain |  |  |
| 10          | 3005895                      | 1           | SEAL, swivel adapter  |  |  |
| 11          | 3009450                      | 1           | WASHER, adapter   |  |  |
| 12          | 923575                       | 1           | O-RING, swivel adapter  |  |  |
| 13          | 3022646                      | 1           | TUBE ASSEMBLY, tong closing (Includes nuts)   |  |  |
| 14          | 3020231                      | 2           | HOSE ASSEMBLY, tong closing, tube to cylinder (See page 6 for parts)  |  |  |
| 15          | 3019845<br>910890            | 4           | ELBOW ASSEMBLY, bulkhead type (Includes NUT 3016404) WASHER, plain (Use as req'd)                               |  |  |
|             | 3016404                      | 4           | NUT, bulkhead elbow   |  |  |
| 17          | 3020123                      | 2           | CYLINDER ASSEMBLY, loader (See page 373 for parts)  |  |  |
| 18          | 3019884                      | 2           | PIN, cylinder pivot, lower  |  |  |
| 19          | 3001621<br>900806            | 4<br>4      | PIN, pivot lock PIN, cotter, 1/8" x 1"  |  |  |
| 20          | 3022005<br>914465            | 2<br>2      | PIN, cylinder pivot, upper FITTING, lubricating, straight, 1/8"NPT  |  |  |
| 21<br>22    | 3020276<br>3018164           | 1<br>1      | HOSE ASSEMBLY, tong opening (See page 6 for parts) ELBOW, swivel  |  |  |
| 23          |                              | 1           | GUARD, hose protecting (105" long. Order item 35)   |  |  |
| 24          | 3022647                      | 1           | TUBE ASSEMBLY, tong opening (Includes nuts)   |  |  |
| 25          | 3020232                      | 2           | HOSE ASSEMBLY, tong opening, tube to cylinder (See page 6 for parts)  |  |  |
| 26          | 3011411<br>916381<br>904206  | 2<br>2<br>2 | CLIP, hose<br>CAPSCREW, 3/8"NF x 3/4"<br>LOCKWASHER, 3/8"   |  |  |
| 27          | 3004762<br>916420<br>904208  | 1           | CLAMP, tube<br>CAPSCREW, 1/2''NF x 2-1/4''<br>LOCKWASHER, 1/2'  |  |  |

(Continued)

# LOADER HYDRAULIC CYLINDERS AND PIPING (Continued)

| ITEM | PART NO.                              | QTY.             | DESCRIPTION   |
|------|---------------------------------------|------------------|---|
| 28   | 3007543<br>916386<br>904206<br>911041 | 4<br>2<br>2<br>2 | CLAMP, tube (half only)  CAPSCREW, 3/8"NF x 2-1/4"  LOCKWASHER, 3/8"  NUT, 3/8"NF |
| 29   | 3011755<br>918493<br>904208           | 3<br>3<br>3      | CLIP, hose<br>CAPSCREW, 1/2"NF x 7/8"<br>LOCKWASHER, 1/2"                         |
| 30   | 3010840                               | 1                | BLOCK, clip supporting (Requires welding to install)                              |
| 31   | 626386<br>913105<br>904208            | 2<br>2<br>2      | CLAMP, hose<br>CAPSCREW, 1/2"NF x 1-1/2"<br>LOCKWASHER, 1/2"                      |
| 32   | 625221<br>915779<br>914487            | 2<br>1<br>1      | CLAMP, hose (half only)  CAPSCREW, 1/2"NF x 2"  NUT, elastic stop, 1/2"NF         |
| 33   | 3020305                               | 1                | SPACER, hose clamp  |
| 34   | 626382                                | 2                | SPACER, hose clamp (Requires welding to install)                                  |
| 35   | 3023140                               | Comp             | GUARD, hose protecting, 3/4" x 10 ft. roll (Use as req'd)                         |



## LOADER HYDRAULIC CYLINDERS AND PIPING

USAGE: Tractors serial No. 11094 and up equipped with Pulpwood Loader. Production discontinued.

| tinuea.     |                              |             |   |
|-------------|------------------------------|-------------|---|
| M           | PART NO.                     | QTY.        | DESCRIPTION   |
| 1           | 600 CEC 640 SFG ENG SFG SFG  | 1           | VALVE ASSEMBLY (See HYDRAULIC TANK AND CONTROL VALVE)   |
| 2           | 626393                       | 1           | HOSE ASSEMBLY, tong closing (Includes item 3. Also see page 6   |
| 2A          | 3018164                      | 1           | for parts) ELBOW, swivel  |
| 3           |                              | 1           | GUARD, hose protecting (151-1/2" long. Order item 42)   |
| 4           | 3009453                      | 2           | ELBOW ASSEMBLY, hose swivel (Consists of items 5 thru 11)   |
| 5           | CO CO SO SO SO SO SO SO      | 1           | ADAPTER, swivel, male (Not serviced separately)   |
| 6<br>7<br>8 | 915906<br>3009451<br>3011236 | 1<br>1<br>1 | ADAPTER, swivel, female (Not serviced separately) BALL, steel, 3/16" diam. SCREW, machine, rd-hd. WASHER, plain |
| 9           | 3005895                      | 1           | SEAL, swivel adapter  |
| 10          | 3009450                      | 11          | WASHER, adapter   |
| 11          | 3004704                      | 1           | O-RING, swivel adapter  |
| 12          | 626322                       | 1           | TUBE ASSEMBLY, tong closing (Includes nuts)   |
| 13          | 3020231                      | 2           | HOSE ASSEMBLY, tong closing, tube to cylinder (See page 6 for parts)  |
| 7           | 3019845<br>910890            | 4           | ELBOW ASSEMBLY, bulkhead type (Includes NUT 3016404) WASHER, plain (Use as req'd)                               |
| 14A         | 3016404                      | 4           | NUT, bulkhead elbow   |
| 15          | 3020123                      | 2           | CYLINDER ASSEMBLY, loader (See page 373 for parts)  |
| 16          | 3019884                      | 2           | PIN, cylinder pivot, lower  |
| 17          | 3001621<br>900806            | 4<br>4      | PIN, pivot lock PIN, cotter, 1/8" x 1"  |
| 18          | 3022005<br>914465            | 2<br>2      | PIN, cylinder pivot, upper FITTING, lubricating, straight, 1/8"NPT  |
| 19          | 626392                       | 1           | HOSE ASSEMBLY, tong opening (Includes item 21. Also see page 6 for parts)                                       |
| 20          | 3018164                      | 1           | ELBOW, swivel   |
| 21          |                              | 1           | GUARD, hose protecting (144-1/2" long. Order item 42)   |
| 22          | 626321                       | 1           | TUBE ASSEMBLY, tong opening (Includes nuts)   |
| 23          | 3020232                      | 1           | HOSE ASSEMBLY, tong opening, tube to cylinder (See page 6 for parts)  |

(Continued)

# LOADER HYDRAULIC CYLINDERS AND PIPING (Continued)

USAGE: Tractors serial No.11094 and up equipped with Pulpwood Loader. Production discontinued.

| ITEM           | PART NO.                                       | QTY.                  | DESCRIPTION   |
|----------------|--|-----------------------|---|
| 24<br>25<br>26 | 626386<br>070469<br>035018<br>904208<br>910244 | 3<br>1<br>2<br>3      | CLAMP, hose  CAPSCREW, 1/2"NF x 1-1/4"  CAPSCREW, 1/2"NF x 1-1/2"  LOCKWASHER, 1/2"  WASHER, plain, SAE std., 1/2" (Use as req'd) |
| 27             | 626382   | 2                     | SPACER, hose clamp (Requires welding to install)  |
| 28             | 626383   | 1                     | PLATE, hose supporting  |
| 29<br>30       | 626376<br>035892<br>904208                     | 1<br>1<br>1           | CHANNEL, hose supporting CAPSCREW, 1/2"NF x 2-1/2" LOCKWASHER, 1/2"   |
| 31             | 3002380  | 1                     | BLOCK, hose spacing (Requires welding to install)   |
| 32             | 626379   | 1                     | PLATE, hose supporting  |
| 33             | 921913   | 1                     | CLAMP, hose (1-13/16" to 2-3/4")  |
| 34<br>35       | 3011755<br>070467<br>904208                    | 1<br>1<br>1           | CLIP, hose<br>CAPSCREW, 1/2"NF x 1"<br>LOCKWASHER, 1/2"   |
| 36             | 3010840  | I                     | BLOCK, clip supporting (Requires welding to install)  |
| 37<br>38       | 626388<br>035014<br>904209                     | 1<br>2<br>2           | BRACKET, clamp protecting CAPSCREW, 5/8"NF x 1-1/2" LOCKWASHER, 5/8"  |
| 39             | 626385   | 1                     | BLOCK, bracket supporting (Requires welding to install)   |
| 40             | 624931<br>916424<br>910244<br>904208<br>911043 | 2<br>1<br>1<br>1      | CLAMP, tube (half only)  CAPSCREW, 1/2"NF x 3-1/2"  WASHER, plain, SAE std., 1/2"  LOCKWASHER, 1/2"  NUT, 1/2"NF                  |
| 41             | 625796<br>045174<br>911115<br>904206<br>911041 | 4<br>2<br>2<br>2<br>2 | CLAMP, tube (half only)  CAPSCREW, 3/8"NF x 2-1/2"  WASHER, plain, SAE std., 3/8"  LOCKWASHER, 3/8"  NUT, 3/8"NF                  |
| 42             | 3025990  | 1                     | GUARD, hose protecting, 1" x 14 ft. roll (Use as req'd)   |



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# CYLINDER ASSEMBLY 3020123

USAGE: See page 365 and 369

| ITFM       | PART NO.                      | QTY.        | DESCRIPTION  |  |  |
|------------|-------------------------------|-------------|--|--|--|
| Account of |                               |             | NOTE: Quantities indicated below are for one (1) cylinder only   |  |  |
| 1          | 3020120                       | 1           | ROD ASSEMBLY, piston (Includes 1 BUSHING 3004984)  |  |  |
| 2          | 3004984                       | 1           | BUSHING, piston rod  |  |  |
| 3<br>4     | 3013386<br>{ 033182<br>023756 | 1<br>4<br>2 | PLATE, end CAPSCREW, drilled-hd., 3/8"NC x 1-1/2" WIRE, locking, 1/16" x 26"  See item 22                                      |  |  |
| 5          | 3001088                       | 1           | SEAL, piston rod wiping (See item 22)  |  |  |
| 6          | 3004989                       | 1           | BEARING, rod packing   |  |  |
| 7          | 3007015                       | 1           | PACKING SET, rod (Consists of items 8 thru 10)(See item 22)  |  |  |
| 8          | 3004990                       | 1           | RING, adapter, female  |  |  |
| 9          | 3001469                       | 4           | RING, packing (duck)   |  |  |
| 10         | 3001498                       | 1           | RING, adapter, male  |  |  |
| 11         | 3016301                       | 1           | HEAD, cylinder   |  |  |
| 12         | 3016306                       | 1           | RING, back-up (See item 22)  |  |  |
| 13         | 9235911                       | 1           | O-RING, cylinder head (See item 22)  |  |  |
| 14         | 3001315                       | 1           | PISTON, upper  |  |  |
| ,          | 3001472                       | 1           | PACKING SET, piston (See item 22)  |  |  |
| 16         | 3001479                       | 1           | PISTON, lower  |  |  |
| 17         | 3001481                       | 1           | RING, bearing (See item 22)  |  |  |
| 18         | 917778                        | 1           | NUT, elastic stop, 1-1/2"NF  |  |  |
| 19<br>20   | 3020122<br>915276<br>3011853  | 1<br>1<br>2 | TUBE ASSEMBLY, cylinder (Includes items 20 and 21) FITTING, lubricating, 90°, 1/8"NPT ELBOW, 90° (Requires welding to install) |  |  |
| 21         | 3001031                       | 2           | BUSHING, cylinder tube   |  |  |
| 22         | 3017560                       | <b>80</b>   | CYLINDER KIT (Includes parts for one (1) cylinder only; items 4, 5, 7, 12, 13, 15 and 17)                                      |  |  |

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| 52014262  | 035248195   | 043860104  | 049934149   |
| 52015262  | 03524930 thru 177   | 04388187,164   | 049936171   |
| 52017263  | 03525030 thru 177   | 043886117  | 049937170   |
| 52018263  | 035278183   | 0438991104   | 049938149   |
| 85805262  | 03533685,211  | 044249121,123,137  | 049943150   |
| 88205263  | 035398269   | 044252104  | 049944149   |
| 88210263  | 035439136 thru 269  | 044255104  | 049945170   |
| 88210263  | 035440158   | 044256104  | 049978160   |
| 88220L263   | 035525176   | 044478160  | 04998886 thru 168 049993147 thru 325 049994163 050207153 050211153 050214160 050215161 050218160 050220164        |
| 88220R263   | 03554113,189  | 044753141  |   |
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| 012984275   | 035916215   | 045253157  |   |
| 01299246 thru 335   | 035979142 thru 256  | 04529583,85,87   |   |
| 013044270   | 03603244 thru 363   | 045306217  | 050222164   |
| 013058123 thru 271  | 03603445 thru 363   | 045312139  | 050223161   |
| 013059121,123,125   | 03603943 thru 269   | 045358270  | 050227161   |
| 013238177   | 036093270   | 045507129,133  | 050228159   |
| 013465193   | 036094270   | 045524185,187  | 050229159   |
| 021221271   | 036095270   | 046321168  | 050230159   |
| 021475271   | 036245193   | 046419147,269,357  | 050231159   |
| 023618189   | 036268265   | 047151185,189  | 050233161   |
| 023633151,160,270   | 036707181,197   | 047307250  | 050234159   |
| 023755234 thru 269  | 036997147   | 04738167,69  | 050236160   |
| 023756299 thru 373<br>028109270<br>028113269<br>028114269<br>028115269<br>028117270<br>029466231<br>030107137<br>030123137                                      | 037332157<br>03745081,83,87<br>03823470 thru 261<br>038454158<br>038561269<br>040181158<br>040220139<br>040221141<br>040272265<br>040338111,248 | 047478164<br>047581185,189<br>047605185,189<br>047673246,247<br>047678246<br>04785243,240<br>048138223<br>048142221 thru 256<br>048145231<br>048173141 | 050244160<br>050245197<br>050246197<br>050247197<br>050248164<br>050249161<br>050253154<br>050264170<br>050265154 |
| 030795139   | 040382319,321   | 048195141  | 050266153   |
| 030801139   | 04051781,87   | 048603114  | 050267154   |
| 031337111,113   | 040781139   | 048606114  | 050268169   |
| 031671309,313   | 040782139   | 048608114  | 050270150   |
| 031719231   | 040783139   | 048658197  | 050271150   |
| 031854163   | 040784139   | 048665187,197  | 050272150   |
| 031990163   | 04079661 thru 225   | 048666187,197  | 050273170   |
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| 033060258   | 040842231   | 049109175  | 050278173   |
| 033074168   | 041866104 041868104 041869104 04198181,89 042128141 042129142 042130142 042141142 042144142   | 049110151,175  | 050287163   |
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| 050842218<br>051006111,113<br>051112175<br>051124175<br>051125175<br>051125175<br>051238173<br>051240173<br>051242173<br>051242173                             | 053619205<br>053667101 thru 205<br>053668205<br>053670170<br>053746177<br>053787177<br>053899136<br>053926147,163<br>053927147,163<br>053929147   | 058614167<br>058827226<br>058828226<br>058831226<br>058937265<br>059260161<br>060649160<br>06066043<br>06181253,55,67<br>06322288              | 06934996<br>0696259<br>0696289<br>069673163<br>069684163<br>069814265<br>06999696<br>06999896<br>069999150<br>070162151                               |
| 051244173<br>051245170<br>051246171<br>051288168<br>051291159<br>051292159<br>0513001150<br>051301150<br>051308158<br>05134165                                 | 053931147<br>054182168<br>054228145<br>054246173<br>054824183<br>054890174 thru 197<br>054896309,313<br>054968181<br>054973191<br>055012191       | 06388949<br>06389049<br>063912170<br>064200171<br>064241191<br>064272192,193<br>064273193<br>064530159<br>06453146 thru 261<br>06458943,255    | 070285177,275<br>07029913<br>070400181,183<br>070403118<br>070467231 thru 370<br>07046944 thru 370<br>070678164<br>070792158<br>070960270<br>07180096 |
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### CONVERSION TABLES

## DECIMAL AND METRIC EQUIVALENTS OF FRACTIONS OF AN INCH

|            | Inches | T        | Milli-  |         |           | Inches           |          | 3.42112          |
|------------|--------|----------|---------|---------|-----------|------------------|----------|------------------|
| Fraction   | S      | Decimals | meters  |         | Fractions |                  | Decimals | Milli-<br>meters |
| 1/64       |        | .015625  | .397    | 33/64-  |           |                  | .515625  | 13.097           |
| 1/32 —     |        | .03125   | .794    |         | 17/32     | -                | .53125   | 13.494           |
| 3/64       |        | .046875  | 1.191   | 35/64-  |           | ,                | .546875  | 13.891           |
|            | 1/16   | .0625    | 1.588   |         |           | 9/16             | .5625    | 14.288           |
| 5/64       |        | .078125  | 1.984   | 37/64—  |           |                  | .578125  | 14.684           |
| 3/32       |        | .09375   | 2.381   |         | 19/32     |                  | .59375   | 15.081           |
| 7/64       |        | .109375  | 2.778   | 39/64—  |           |                  | .609375  | 15.478           |
|            | 1/8    | .125     | 3.175   |         |           | 5/8              | .625     | 15.875           |
| 9/64       |        | .140625  | 3.572   | 41/64—  |           |                  | .640625  | 16.272           |
| 5/32—      |        | .15625   | 3.969   |         | 21/32     |                  | .65625   | 16.669           |
| 11/64 ———  |        | .171875  | 4.366   | 43/64 — |           |                  | .671875  | 17.066           |
|            | 3/16   | .1875    | 4.763   |         |           | 11/16            | .6875    | 17.463           |
| 13/64      |        | .203125  | - 5.159 | 45/64 — |           |                  | .703125  | 17.859           |
| 7/32—      |        | .21875   | 5.556   |         | 23/32     |                  | .71875   | 18.256           |
| 15/64 ———— |        | .234375  | 5.953   | 47/64 — |           |                  | .734375  | 18.653           |
|            | 1/4    | .250     | 6.350   |         |           | 3/4              | .750     | 19.050           |
| 17/64      |        | .265625  | 6.747   | 49/64 — |           |                  | .765625  | 19.447           |
| 9/32-      |        | .28125   | 7.144   |         | 25/32     |                  | .78125   | 19.844           |
| 19/64 ———  |        | .296875  | 7.541   | 51/64 — |           |                  | .796875  | 20.241           |
|            | 5/16   |          | 7.938   |         |           | 13/16            | .8125    | 20.638           |
| 21/64      |        | .328125  | 8.334   | 53/64-  |           |                  | .828125  | 21.034           |
| 11/32—     |        | .34375   | 8.731   |         | 27/32     |                  | .84375   | 21.431           |
| 23/64      |        | .359375  | 9.128   | 55/64-  |           |                  | .859375  | 21.828           |
|            | 3/8    | .375     | 9.525   |         |           | 7/8              | .875     | 22,225           |
| 25/64      |        | .390625  | 9.922   | 57/64-  |           |                  | .890625  | 22.622           |
| 13/32—     |        | .40625   | 10.319  |         | 29/32     |                  | .90625   | 23.019           |
| 27/64 ———— |        | .421875  | 10.716  | 59/64 — |           |                  | .921875  | 23.416           |
|            | 7/16   | .4375    | 11.113  |         |           | 15/16-           | .9375    | 23.813           |
| 29/64 ———— |        | .453125  | 11.509  | 61/64   |           |                  | .953125  | 24.209           |
| 15/32—     |        | .46875   | 11.906  |         | 31/32     | 2027-76/0-77/202 | .96875   | 24.606           |
| 31/64 ———  |        | .484375  | 12.303  | 63/64 — |           |                  | .984375  | 25.003           |
|            | 1/2    | .500     | 12.700  |         |           | 1                | 1.000    | 25.400           |

#### VOLUME AND WEIGHT CONVERSION CONSTANTS - U.S. TO METRIC

Pints x .4732 = LitersQuarts x .9463 = Liters

Gallons x 3.7853 = Liters

Pounds x .4536 = Kilograms