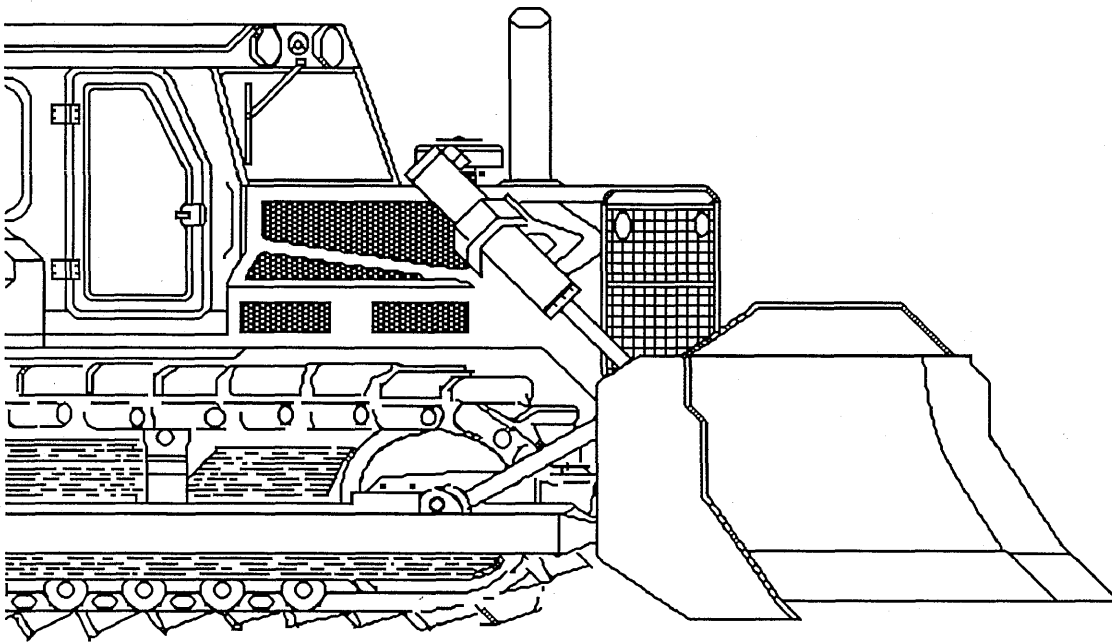


# 16-B

POWER SHIFT

Crawler Tractor

## PARTS CATALOG



FORM 70696415 ENGLISH  
Reprint 10/89

## 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.

Fiatallis is not responsible for any liability arising from any damage resulting from defects caused by parts and/or components not approved by Fiatallis for use in maintaining and/or repairing products manufactured or merchandized by Fiatallis.

In any case, no warranty of any kind is made or shall be imposed with respect to products manufactured or merchandized by Fiatallis when failures are caused by the use of parts and/or components not approved by Fiatallis.

# 16-B

(POWER SHIFT)

crawler tractor

(Includes Dozers, 16R Ripper  
and Hydraulic Systems)

## parts catalog

S/N 19S10301 - UP

Form 70696415      English



## WARNING

**STUDY THE OPERATION AND MAINTENANCE INSTRUCTION  
MANUAL THROUGH BEFORE STARTING, OPERATING, MAIN-  
TAINING, FUELING OR SERVICING THIS MACHINE.**



The Operation and Maintenance Instruction Manual provides the instructions and procedures for starting, operating, maintaining, fueling, shutdown and servicing that are necessary for properly conducting the procedures for overhaul of the related components outlined in this Service Manual.



This symbol is your safety alert sign. It means **ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!**



Read and heed all safety instructions carrying the signal words **WARNING** and **DANGER**.



Machine mounted safety signs have been color coded yellow with black borders and lettering for **WARNING** and red with white borders and lettering for **DANGER** points.

SUPPLEMENT NO. 1



PARTS CATALOG FORM 70696415

16-B (Power Shift)

( 2-76 )

ATTENTION: Insert this sheet in the front of publication as record of receipt.  
Replace or add pages in the publication according to instructions below.

Additional copies of this supplement are available. Please direct your request to  
*Fiat-Allis Construction Machinery, Inc., Technical Publications Dept., 3000 South  
6th Street, Springfield, Illinois, 62710 U.S.A.*

|                |                 |                 |
|----------------|-----------------|-----------------|
| 9 (Revised)    | 61 (Revised)    | 225B (Added)    |
| 10 (No change) | 62 (Revised)    | 226 (No change) |
| 15 (Revised)   | 103 (Revised)   | 231 (Revised)   |
| 16 (Revised)   | 104 (Revised)   | 232 (Revised)   |
| 23 (No change) | 105 (No change) | 237 (Revised)   |
| 24 (Revised)   | 105A (Added)    | 238 (No change) |
| 25 (No change) | BLANK           | 263 (Revised)   |
| 26 (Revised)   | 106 (No change) | 263A (Added)    |
| 35 (Revised)   | 141 (Revised)   | BLANK           |
| 36 (No change) | 142 (No change) | 264 (Revised)   |
| 39 (No change) | 143 (Revised)   | 264A (Added)    |
| 40 (Revised)   | 144 (No change) | BLANK           |
| 41 (Revised)   | 145 (No change) | 265 (Revised)   |
| 42 (No change) | 146 (Revised)   | 266 (Revised)   |
| 55 (No change) | 209 (Revised)   | 281 (No change) |
| 55A (Added)    | 210 (Revised)   | 282 (Revised)   |
| BLANK          | 213 (No change) | 283 (Revised)   |
| 56 (Revised)   | 214 (Revised)   | 284 (Revised)   |
| 59 (Revised)   | 225 (Revised)   | 309 (No change) |
| 60 (Revised)   | 225A (Added)    | 310 (Revised)   |
|                |                 | 311 (Revised)   |
|                |                 | 312 (No change) |

NOTICE  
THESE CHANGES ARE  
INCLUDED IN THIS COPY



## IMPORTANT

All parts listed herein, which have no specific usage indicated, are applicable to all models. Those parts which are used only on specific models are so indicated.

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

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

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

## INSTRUCTIONS FOR ORDERING PARTS

At the time this parts catalog was published the listed part numbers were current. It is our policy to constantly improve our machines and therefore, part numbers and design may change. When ordering parts, verify part numbers through your dealer's parts catalog which is up to date with all latest part numbers.

Order parts from the dealer covering the local territory.

ALWAYS GIVE THE MODEL AND SERIAL NUMBER OF MACHINE. IF PARTS ARE FOR AN ASSEMBLY WHICH HAS A MODEL AND/OR SERIAL NUMBER (SUCH AS ENGINE ASSEMBLY, PUMP ASSEMBLY), ALSO INCLUDE THIS INFORMATION.

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.

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 responsibility 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

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.

*(Specifications and design subject to change without notice)*

## ADDITIONAL PUBLICATIONS

Additional publications pertaining to this model and to all other Fiat-Allis products are available through Fiat-Allis dealers. Publications are generally available in several languages. Refer to Service Publications Index Form 70658800 for all such publications; the index is available free from Fiat-Allis.

## MODEL IDENTIFICATION

| MODEL SYMBOL | ENGINE MODEL                                               | DESCRIPTION                                                        |
|--------------|------------------------------------------------------------|--------------------------------------------------------------------|
| 16-B         | 17000 Mark II<br>(S/N 17-----)<br>6138 LT<br>(S/N 14-----) | Diesel engine driven crawler tractor with Power Shift transmission |
| 16HS         |                                                            | Hydraulically-operated; straight moldboard                         |
| 16HSU        |                                                            | Hydraulically-operated; semi-U-type moldboard                      |
| 16HU         |                                                            | Hydraulically-operated; full-U-type moldboard                      |
| 16HA         |                                                            | Hydraulically-operated; angling moldboard                          |
| 16CSU        |                                                            | Cable-operated; semi-U-type moldboard                              |
| 16CA         |                                                            | Cable-operated; angling moldboard                                  |
| 16R          |                                                            | Hydraulically-operated Ripper                                      |

Cable-control power units are not included herein. Refer to following:

|                                               |                                                                                                   |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------|
| Gar Wood Model 181 (rear-mounted single-drum) | } Order parts from:<br>The Superior Equipment Company<br>P.O. Box 769<br>Bucyrus, OH 44820 U.S.A. |
| Gar Wood Model 281 (rear-mounted double-drum) |                                                                                                   |

## RECORD YOUR SERIAL NUMBERS BELOW

MODEL SERIAL NUMBER \_\_\_\_\_ ENGINE SERIAL NUMBER \_\_\_\_\_

## SERIAL NUMBER LOCATIONS

**TRACTOR SERIAL NO.** On steering clutch housing vertically on right hand side of the rear edge. Also on small plate attached to side of transmission control tower.

**ENGINE SERIAL NO.** On plate attached to the left hand side of cylinder block near the rear end. Also on small plate attached to side of transmission control tower. Effective approximately January 1979, the engine serial numbering system was changed. The old series of numbers began with the prefix #17- with the serial number. The new series of numbers begin with the prefix #14-.

Throughout this book, one must keep in mind that the #14-series numbers follow the #17-series numbers.

The first serial number in the new series begins with #14-01217.

## MODEL SERIAL NUMBER

Models are identified by an 8-character combination of letters and numerals.

**\*SERIAL NUMBERS**, consisting of all 8 characters must always be submitted for positive identification of your machine. This Point Cannot Be Over-emphasized.

| TRACTOR MODEL | *SERIAL NO.  |          |
|---------------|--------------|----------|
|               | PRODUCT CODE | UNIT NO. |
| 16-B          | 19S          | 10301    |

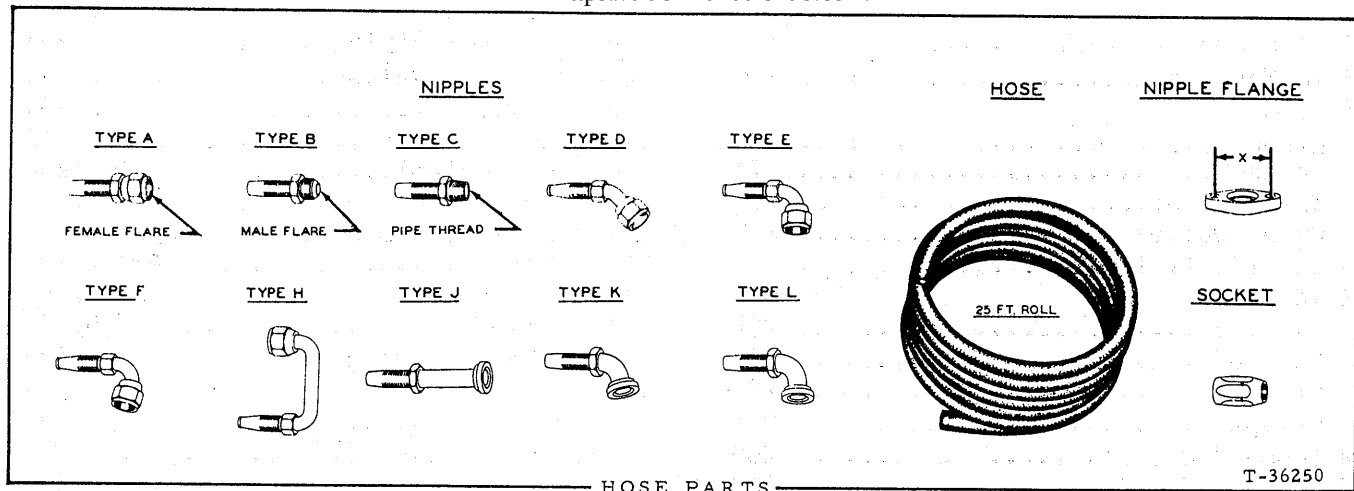
(Revised August 1980)

|                                             |               |
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(Revised April 1981)



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

| HOSE<br>ASSEMBLY<br>NO.<br>(See NOTE) | BULK<br>HOSE<br>(25' roll) | HOSE<br>LENGTH<br>(inches) | NIPPLE<br>(#1 end)  |                |      | NIPPLE<br>(#2 end)  |                |      | SOCKET<br>(both ends) | NIPPLE<br>FLANGE |          | CRIMPED-<br>TYPE<br>HOSE<br>(See NOTE) |
|---------------------------------------|----------------------------|----------------------------|---------------------|----------------|------|---------------------|----------------|------|-----------------------|------------------|----------|----------------------------------------|
|                                       |                            |                            | Including<br>SOCKET | NIPPLE<br>only | Type | Including<br>SOCKET | NIPPLE<br>only | Type |                       | Part No.         | X<br>Dim |                                        |
|                                       | 70919156                   | 50-3/4                     | 70920850            | 70920303       | A    | 70920850            | 70920303       | A    | 70919076              |                  |          | 70638205                               |
|                                       | 70920222                   | 82                         | 70921033            | 70921034       | A    | 70921033            | 70921034       | A    | 70919282              |                  |          | 70644759                               |
|                                       | 70919218                   | 12                         | 70920850            | 70920303       | A    | 70920865            | 70919081       | E    | 70919076              |                  |          | 70645236                               |
|                                       | 70919218                   | 62-1/4                     | 70920850            | 70920303       | A    | 70920865            | 70919081       | E    | 70919076              |                  |          | 70645248                               |
|                                       | 70919218                   | 44                         | 70920850            | 70920303       | A    | 70920850            | 70920303       | A    | 70919076              |                  |          | 70645250                               |
|                                       | 70919196                   | 22-1/4                     | 70920862            | 70919194       | E    | 70920847            | 70920301       | A    | 70919143              |                  |          | 70646910                               |
|                                       | 70919155                   | 16                         | 70920857            | 70919079       | B    | 70920879            | 70919159       | D    | 70919075              |                  |          | 70648231                               |
|                                       | 70919155                   | 29-1/2                     | 70920849            | 70920302       | A    | 70920879            | 70919159       | D    | 70919075              |                  |          | 70648501                               |
|                                       | 70919156                   | 55-1/2                     | 70920851            | 70921046       | A    | 70920866            | 70919473       | E    | 70919469              |                  |          | 70653905                               |
|                                       | 70920222                   | 71-3/8                     | 70921033            | 70921034       | A    | 70922808            | 70923011       | B    | 70919282              |                  |          | 70654081                               |
|                                       | 70919196                   | 28-1/2                     | 70920855            | 70919144       | B    | 70920869            | 70919253       | E    | 70919143              |                  |          | 70658319                               |
|                                       | 70919196                   | 23-1/2                     | 70920862            | 70919194       | E    | 70920862            | 70919194       | E    | 70919143              |                  |          | 70658320                               |
|                                       | 70919196                   | 33                         | 70920862            | 70919194       | E    | 70920869            | 70919253       | E    | 70919143              |                  |          | 70658321                               |
|                                       | 70920221                   | 28-3/4                     | 70920852            | 70920344       | A    | 70920852            | 70920344       | A    | 70919281              |                  |          | 70659441                               |
|                                       | 70920222                   | 56-5/8                     | 70921033            | 70921034       | A    | 70921033            | 70921034       | A    | 70919282              |                  |          | 70662922                               |
|                                       | 70919156                   | 27-1/2                     | 70920880            | 70919254       | D    | 70920880            | 70919254       | D    | 70919076              |                  |          | 70663134                               |
|                                       | 70919156                   | 25-7/8                     | 70920880            | 70919254       | D    | 70920880            | 70919254       | D    | 70919076              |                  |          | 70663145                               |
|                                       | 70919156                   | 12-1/2                     | 70920850            | 70920303       | A    | 70920865            | 70919081       | E    | 70919076              |                  |          | 70664869                               |
|                                       | 70919156                   | 19-3/8                     | 70920865            | 70919081       | E    | 70920865            | 70919081       | E    | 70919076              |                  |          | 70664870                               |
|                                       | 70919196                   | 72-1/4                     | 70920855            | 70919144       | B    | 70920869            | 70919253       | E    | 70919143              |                  |          | 70665900                               |
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|                                       | 70919156                   | 10-1/4                     | 70920850            | 70920303       | A    | 70920850            | 70920303       | A    | 70919076              |                  |          | 70666429                               |
|                                       | 70919196                   | 17-5/8                     | 70920847            | 70920301       | A    | 70920877            | 70919207       | D    | 70919143              |                  |          | 70666598                               |
|                                       | 70919156                   | 34-3/4                     | 70920865            | 70919081       | E    | 70920872            | 70919158       | E    | 70919076              |                  |          | 70666809                               |
|                                       | 70919156                   | 130-7/8                    | 70920865            | 70919081       | E    | 70920865            | 70919081       | E    | 70919076              |                  |          | 70666810                               |
|                                       | 70920222                   | 14-7/8                     | 70921033            | 70921034       | A    | 70920798            | 70921495       | D    | 70919282              |                  |          | 70666811                               |
|                                       | 70919156                   | 20-3/4                     | 70920850            | 70920303       | A    | 70920858            | 70919080       | B    | 70919076              |                  |          | 70667718                               |
|                                       | 70919156                   | 11                         | 70920858            | 70919080       | B    | 70920865            | 70919081       | E    | 70919076              |                  |          | 70667719                               |
|                                       | 70919196                   | 36                         | 70920862            | 70919194       | E    | 70920847            | 70920301       | A    | 70919143              |                  |          | 70668516                               |
|                                       | 70920982                   | 55-1/8                     |                     | 70923255       | J    |                     | 70923255       | J    | 70920986              |                  |          | 70669726                               |
|                                       | 70920795                   | 34                         |                     | 70923254       | J    | 70924408            | 70923259       | K    | 70920973              |                  |          | 70669727                               |
|                                       | 70920982                   | 61-3/8                     |                     | 70923255       | J    |                     | 70923255       | J    | 70920986              |                  |          | 70669728                               |
|                                       | 70920795                   | 36                         |                     | 70923254       | J    | 70924408            | 70923259       | K    | 70920973              |                  |          | 70670357                               |
|                                       | 70920794                   | 18-3/8                     | 70920944            | 70920978       | A    |                     | 70923253       | J    | 70920972              |                  |          | 70670721                               |
|                                       | 70920794                   | 28                         | 70924177            | 70921513       | L    | 70924177            | 70921513       | L    | 70920972              |                  |          | 70670722                               |

(Revised April 1981)



# PACKAGED PARTS

## PACKAGE NO.

## DESCRIPTION

-----

CLUTCH KIT, over-running (See page 116)

74396408

GASKET KIT, cylinder head

|    |          |                                                          |
|----|----------|----------------------------------------------------------|
| 1  | 70928905 | O-RING, water outlet manifold                            |
| 2  | 74025781 | GASKET, turbocharger mounting                            |
| 1  | 74029746 | GASKET, front cross-over                                 |
| 8  | 74254873 | WASHER, rocker cover capscrew                            |
| 8  | 74255956 | SLEEVE, fuel line (rubber)                               |
| 1  | 74339532 | GASKET, turbocharger oil drain                           |
| 1  | 74361551 | GASKET, air intake elbow                                 |
| 1  | 74376520 | GASKET, thermostat housing cover                         |
| 6  | 74378031 | GASKET, nozzle                                           |
| 1  | 74386137 | GASKET, thermostat by-pass tube                          |
| 12 | 74387697 | GASKET, intake and exhaust manifold                      |
| 2  | 74389961 | GASKET, cylinder head cover (upper)                      |
| 1  | 74391707 | GASKET, air inlet                                        |
| 2  | 74393989 | GASKET, cylinder head cover (lower)                      |
| 1  | 74395425 | GASKET, manifold connecting                              |
| 2  | 74396409 | GASKET ASSY., cylinder head (Includes instruction sheet) |
| 6  | 74395709 | GASKET, water outlet manifold                            |
| 1  | 74395713 | GASKET, cover                                            |

74396006

GASKET KIT, intermediate, engine cylinder block (Does not include cylinder head or oil pan gaskets)

|    |          |                                       |
|----|----------|---------------------------------------|
| 2  | 70667252 | GASKET, oil drain plug                |
| 8  | 70923379 | O-RING, water tubes                   |
| 1  | 70923575 | O-RING, idler pin                     |
| 3  | 70923590 | O-RING                                |
| 8  | 70923645 | O-RING, injection line connectors     |
| 2  | 70923651 | O-RING, bonnet tube                   |
| 2  | 70923810 | O-RING, flywheel housing dowel        |
| 1  | 70923813 | O-RING, idler pin gear                |
| 5  | 70923934 | O-RING                                |
| 1  | 70923935 | O-RING, water pump body               |
| 1  | 70923936 | O-RING, cam                           |
| 1  | 70923950 | O-RING                                |
| 1  | 70924142 | O-RING                                |
| 12 | 70925612 | O-RING, water inlet manifold          |
| 2  | 74113897 | GASKET, regulating valve nut          |
| 4  | 74119937 | WASHER, copper                        |
| 5  | 74255511 | O-RING, heat exchanger and oil filter |
| 2  | 74255513 | O-RING, oil filter                    |
| 14 | 74255631 | O-RING, oil cooler and oil filter     |
| 4  | 74255665 | O-RING, injection pump bracket        |
| 2  | 74255781 | O-RING, heat exchanger elbows         |
| 1  | 74255898 | RING, sealing, flywheel housing       |
| 1  | 74255904 | RING, sealing, flywheel housing       |
| 1  | 74255912 | O-RING, flywheel to crankshaft        |
| 1  | 74271289 | GASKET, oil pan cover                 |
| 1  | 74310257 | GASKET, oil filler pipe               |

(Continued)

(Revised August 1980)



PACKAGED PARTS (Continued)

| PACKAGE NO.          | DESCRIPTION                                                                                             |
|----------------------|---------------------------------------------------------------------------------------------------------|
| 74396006 (Continued) | GASKET KIT, intermediate, engine cylinder block (Does not include cylinder head or oil pan gaskets)     |
| 1                    | 74336897 RING, sealing, flywheel housing                                                                |
| 1                    | 74361740 GASKET, water pump idler support                                                               |
| 1                    | 74367090 GASKET, tachometer hole nut                                                                    |
| 1                    | 74371027 GASKET, gear housing hole cover                                                                |
| 2                    | 74371160 GASKET, heat exchanger                                                                         |
| 3                    | 74371345 GASKET, oil lines                                                                              |
| 1                    | 74371742 GASKET                                                                                         |
| 1                    | 74376398 GASKET, water pump                                                                             |
| 1                    | 74376603 GASKET, accessory pump                                                                         |
| 1                    | 74376609 GASKET, timing gear housing cover                                                              |
| 7                    | 74376749 WASHER, push rod cover capscrew                                                                |
| 2                    | 74377120 GASKET, push rod cover                                                                         |
| 2                    | 74378112 GASKET, lower water by-pass tube                                                               |
| 1                    | 74379070 SEAL, oil pan                                                                                  |
| 1                    | 74385317 GASKET, water manifold                                                                         |
| 1                    | 74385320 GASKET, bonnet                                                                                 |
| 1                    | 74386223 GASKET, heat exchanger bonnet                                                                  |
| 1                    | 74386495 GASKET, water and oil manifold, lower                                                          |
| 1                    | 74386856 GASKET, heat exchanger                                                                         |
| 1                    | 74387525 GASKET, cover                                                                                  |
| 1                    | 74389291 GASKET, water and oil manifold, upper                                                          |
| 1                    | 74389635 GASKET                                                                                         |
| 1                    | 74389676 GASKET, heat exchanger bonnet                                                                  |
| 1                    | 74389678 GASKET, heat exchanger adaptor                                                                 |
| 3                    | 74389782 GASKET, oil lines                                                                              |
| 1                    | 74390432 GASKET, timing hole cover                                                                      |
| 4                    | 74393359 GASKET, oil lines                                                                              |
| 1                    | 74394673 GASKET, timing hole cover                                                                      |
| 1                    | 74396000 GASKET, timing gear housing cover                                                              |
| 1                    | 74394678 GASKET, timing gear housing                                                                    |
| 1                    | 74660423 GASKET, oil pump discharge tube                                                                |
| 1                    | 74660492 GASKET, timing gear housing                                                                    |
| 74393267             | GASKET KIT, turbocharger mounting                                                                       |
| 1                    | 74310257 GASKET, oil drain elbow                                                                        |
| 1                    | 74339532 GASKET, oil drain line                                                                         |
| 1                    | 74339533 GASKET, oil supply line flange                                                                 |
| 1                    | 74391707 GASKET, air intake elbow                                                                       |
| 1                    | 74393466 GASKET, turbocharger to manifold                                                               |
| 74394971             | OIL PUMP CONVERSION KIT (Includes "ACULOP" pump, piping, and oil pan for engines prior to S/N 17-01756) |
| 1                    | 70035250 PLUG                                                                                           |
| 1                    | 70667252 GASKET                                                                                         |
| 1                    | 70902872 SETSCREW                                                                                       |
| 2                    | 70911992 WASHER                                                                                         |
| 34                   | 70912441 LOCKWASHER, 1/2"                                                                               |
| 4                    | 70914678 LOCKWASHER, 7/16"                                                                              |
| 2                    | 70916313 CAPSCREW, 1/2"NC x 1-3/4"                                                                      |
| 8                    | 70916543 LOCKWASHER, internal tooth, 3/8"                                                               |
| 4                    | 70916871 NUT, elastic stop, 5/16"NC                                                                     |

(Continued)

(Revised August 1980)

# PACKAGED PARTS (Continued)

| PACKAGE NO.                                                                      | DESCRIPTION                                                                                             |
|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| 74394971 (Continued)                                                             | OIL PUMP CONVERSION KIT (Includes "ACULOP" pump, piping, and oil pan for engines prior to S/N 17-01756) |
| 1 70918851                                                                       | PLUG, pipe, 3/4"NPT                                                                                     |
| 1 70919822                                                                       | NIPPLE, 1/2"NPT x 3-1/4"                                                                                |
| 1 70921216                                                                       | PLUG, 1-5/16"NF (Includes 70921214 O-RING)                                                              |
| 2 70921569                                                                       | CAPSCREW, 7/16"NC x 1-1/4"                                                                              |
| 4 70922064                                                                       | CAPSCREW, 12 pt.hd., 1/2"NC x 1"                                                                        |
| 32 70922220                                                                      | CAPSCREW, 12 pt.hd., 1/2"NC x 1-1/2"                                                                    |
| 1 70922420                                                                       | PLUG, pipe, ctsk., sq.hd., 1-1/2"NPT                                                                    |
| 4 70923193                                                                       | CAPSCREW, 3/8"NF x 1-1/4"                                                                               |
| 4 70924228                                                                       | CAPSCREW, 3/8"NF x 1-1/2"                                                                               |
| 1 70924636                                                                       | PLUG, brass, hex. hd., 1/2"NPT                                                                          |
| 2 70927044                                                                       | O-RING                                                                                                  |
| 2 70927583                                                                       | CAPSCREW, 7/16"NC x 1-3/4"                                                                              |
| 2 70928212                                                                       | NUT, 7/16"NC                                                                                            |
| 1 74028887                                                                       | VALVE                                                                                                   |
| 1 74362338                                                                       | PLUG                                                                                                    |
| 1 74393341                                                                       | BRACKET                                                                                                 |
| 2 74393359                                                                       | GASKET                                                                                                  |
| 1 74395971                                                                       | ELBOW                                                                                                   |
| 1 74393364                                                                       | TUBE                                                                                                    |
| 2 74393397                                                                       | CAPSCREW                                                                                                |
| 1 74393599                                                                       | BRACKET                                                                                                 |
| 2 74393600                                                                       | U-BOLT                                                                                                  |
| 2 74393601                                                                       | SADDLE                                                                                                  |
| 1 74393973                                                                       | GAUGE, oil level                                                                                        |
| 1 74394200                                                                       | ADAPTER                                                                                                 |
| 1 74394957                                                                       | TUBE                                                                                                    |
| 4 74395024                                                                       | DOWEL                                                                                                   |
| 1 74395053                                                                       | BLOCK                                                                                                   |
| 1 74395974                                                                       | TUBE                                                                                                    |
| 1 74395062                                                                       | BRACKET                                                                                                 |
| 1 74396124                                                                       | PAN, oil                                                                                                |
| 1 74395803                                                                       | GASKET SET                                                                                              |
| 1 74396859                                                                       | PUMP, oil                                                                                               |
| 74394054                                                                         | PISTON AND SLEEVE KIT (Engines prior to #17-03006)                                                      |
| 2 74253749                                                                       | RETAINER, piston pin                                                                                    |
| 1 74385485                                                                       | O-RING, cylinder sleeve (red)                                                                           |
| 1 74390175                                                                       | PIN, piston                                                                                             |
| 1 74391473                                                                       | SLEEVE, cylinder                                                                                        |
| 1 -----                                                                          | PISTON                                                                                                  |
| 2 74393426                                                                       | O-RING, sleeve (black)                                                                                  |
| 1 74394053                                                                       | RING SET, piston                                                                                        |
| 74396647                                                                         | PISTON AND SLEEVE KIT (Engine #17-03006 and up)                                                         |
| 1 74061528                                                                       | SLEEVE, cylinder                                                                                        |
| 1 74396638                                                                       | PISTON ASSY.                                                                                            |
| } Replace in sets on engines S/N 17-03006 thru 14-02470 with intake valve recess |                                                                                                         |

(Revised March 1982)

PACKAGED PARTS (Continued)

PACKAGE NO.

DESCRIPTION

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70696700

SEAL KIT (See page 161 and 209)

SEAL AND GASKET KIT, transmission

|   |          |           |
|---|----------|-----------|
| 1 | 70666907 | GASKET    |
| 1 | 70654294 | GASKET    |
| 1 | 70634271 | GASKET    |
| 1 | 71002296 | SEAL      |
| 1 | 70691552 | GASKET    |
| 1 | 70653919 | GASKET    |
| 1 | 70699102 | DIAPHRAGM |
| 1 | 70925310 | O-RING    |
| 1 | 70653935 | SEAL      |
| 2 | 70924921 | O-RING    |
| 2 | 70639567 | SEAL      |
| 2 | 70639576 | O-RING    |
| 1 | 70638336 | SEAL      |
| 1 | 70624706 | GASKET    |
| 1 | 70643080 | GASKET    |
| 1 | 70643810 | GASKET    |
| 1 | 70923594 | O-RING    |
| 1 | 70628940 | SEAL      |
| 1 | 70642788 | GASKET    |
| 1 | 70667252 | GASKET    |
| 1 | 70654798 | GASKET    |
| 2 | 70629223 | GASKET    |
| 1 | 70623971 | SEAL      |

70696701

SEAL AND GASKET KIT, Torque Converter

|   |          |        |
|---|----------|--------|
| 1 | 70052168 | GASKET |
| 1 | 70632587 | GASKET |
| 1 | 70632603 | O-RING |
| 1 | 70640636 | GASKET |
| 1 | 70651655 | GASKET |
| 1 | 70658556 | GASKET |
| 1 | 70693957 | SEAL   |
| 1 | 70923575 | O-RING |
| 1 | 70923585 | O-RING |
| 4 | 70923664 | O-RING |
| 1 | 70923814 | O-RING |
| 1 | 70923816 | O-RING |
| 1 | 70924828 | O-RING |
| 1 | 73037990 | SEAL   |

73121284

LOOSE PARTS KIT, engine (Used to adapt Model 6138 LT engine to tractors prior to S/N 19S15213 with 17000 MK II engines)

|   |          |            |
|---|----------|------------|
| 2 | 70078810 | PIN        |
| 1 | 70083778 | HANGER     |
| 1 | 70095869 | CLIP       |
| 1 | 70158613 | LOCKWASHER |
| 3 | 70628738 | PIN        |

(Continued)

(Revised August 1980)

PACKAGED PARTS (Continued)

PACKAGE NO.

DESCRIPTION

73121284

LOOSE PARTS KIT (Continued)

|    |          |               |
|----|----------|---------------|
| 3  | 70630636 | HOSE          |
| 1  | 70662427 | CLAMP         |
| 1  | 70674412 | GASKET        |
| 1  | 70677006 | WASHER        |
| 2  | 70677008 | WASHER        |
| 1  | 70900806 | PIN           |
| 2  | 70900942 | PIN           |
| 3  | 70900970 | PIN           |
| 1  | 70910244 | WASHER        |
| 1  | 70910267 | NUT           |
| 1  | 70911026 | NUT           |
| 1  | 70911028 | NUT           |
| 1  | 70911034 | NUT           |
| 2  | 70911982 | WASHER        |
| 2  | 70917388 | SCREW         |
| 1  | 70920582 | CAPSCREW      |
| 1  | 70921076 | CAPSCREW      |
| 12 | 70921912 | CLAMP         |
| 1  | 70922763 | CAPSCREW      |
| 2  | 70923016 | CAPSCREW      |
| 1  | 70923717 | CONNECTOR     |
| 1  | 70924026 | ELBOW         |
| 2  | 70926460 | WASHER        |
| 2  | 70926673 | NUT           |
| 1  | 70927104 | CLAMP         |
| 1  | 70927455 | CONNECTOR     |
| 2  | 70929059 | CAPSCREW      |
| 2  | 70930370 | WASHER        |
| 1  | 70930804 | ELBOW         |
| 2  | 70933330 | CAPSCREW      |
| 1  | 73116453 | ROD           |
| 1  | 73116455 | PLATE         |
| 1  | 73116480 | CABLE         |
| 1  | 73116481 | ROD           |
| 1  | 73117231 | PUMP ASSEMBLY |
| 1  | 73117232 | TUBE          |
| 1  | 73117233 | HOSE          |
| 1  | 73117234 | ANGLE         |
| 1  | 73117235 | HOSE          |
| 1  | 73117236 | TUBE          |
| 1  | 73117280 | YOKE          |
| 1  | 73117283 | BRACKET       |
| 1  | 73117377 | HOSE          |
| 1  | 73117378 | HOSE          |

"FILTER CARE" KIT

MODEL: 16B

250 HOUR KIT

PART NUMBER: 75124710

| <u>QUANTITY</u> | <u>PART NUMBER</u> | <u>DESCRIPTION</u>   |
|-----------------|--------------------|----------------------|
| 1               | 70921349           | O'RING OIL PAN DRAIN |
| 1               | 70667252           | GASKET OIL PAN DRAIN |
| 1               | 70923663           | O'RING OIL PAN DRAIN |
| 1               | 74059343           | ELEMENT LUBE OIL     |
| 1               | 74395889           | FILTER LUBE OIL      |

"FILTER CARE" KIT

MODEL: 16B

500 HOUR KIT

PART NUMBER: 75124713

| <u>QUANTITY</u> | <u>PART NUMBER</u> | <u>DESCRIPTION</u>          |
|-----------------|--------------------|-----------------------------|
| 1               | 70921349           | O'RING OIL PAN DRAIN        |
| 1               | 70667252           | GASKET OIL PAN DRAIN        |
| 1               | 70923663           | O'RING OIL PAN DRAIN        |
| 1               | 74059343           | ELEMENT LUBE OIL            |
| 1               | 74395889           | FILTER LUBE OIL             |
| 1               | 70923950           | O'RING HYDRAULIC FILTER CAP |
| 1               | 70924153           | O'RING HYDRAULIC STRAINER   |
| 1               | 70923581           | O'RING HYDRAULIC STRAINER   |
| 1               | 70669434           | ELEMENT KIT TRANSMISSION    |
| 2               | 74028945           | ELEMENT FUEL                |
| 1               | 74394407           | SEPERATOR FUEL FILTER       |
| 1               | 74393504           | FILTER ASSEMBLY COOLANT     |
| 1               | 70665859           | ELEMENT KIT HYDRAULIC       |

NOTE: Clean and reuse:  
Hydraulic suction filter - 70670698

"FILTER CARE" KIT

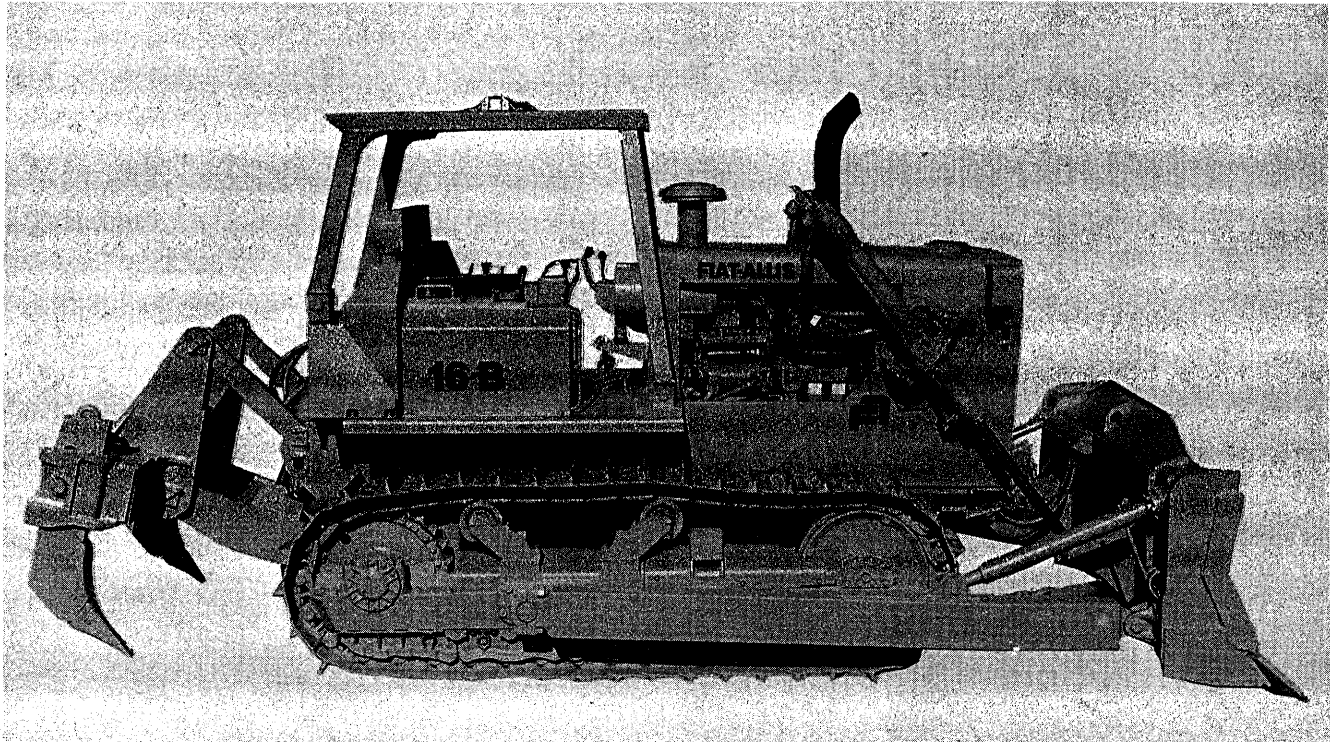
MODEL: 16B

1000 HOUR KIT

PART NUMBER: 75124715

| <u>QUANTITY</u> | <u>PART NUMBER</u> | <u>DESCRIPTION</u>        |
|-----------------|--------------------|---------------------------|
| 1               | 70921349           | O'RING OIL PAN DRAIN      |
| 1               | 70667252           | GASKET OIL PAN            |
| 1               | 70923663           | O'RING OIL PAN DRAIN      |
| 1               | 74059343           | ELEMENT LUBE OIL          |
| 1               | 74395889           | FILTER LUBE OIL           |
| 1               | 70923950           | O'RING HYDRAULIC STRAINER |
| 1               | 70924153           | O'RING HYDRAULIC STRAINER |
| 1               | 70923581           | O'RING HYDRAULIC STRAINER |
| 1               | 70669434           | ELEMENT KIT TRANSMISSION  |
| 2               | 74028945           | ELEMENT FUEL              |
| 1               | 74394407           | SEPERATOR FUEL            |
| 1               | 74393504           | FILTER ASSEMBLY HYDRAULIC |
| 1               | 70665859           | ELEMENT KIT HYDRAULIC     |
| 1               | 70632062           | RING                      |
| 1               | 70923587           | O'RING                    |
| 1               | 70631869           | WASHER                    |
| 1               | 70632063           | O'RING                    |
| 1               | 70651385           | O'RING STEERING SUCTION   |
| 1               | 75000718           | INSTRUCTION SHEET         |
| 1               | 70671839           | ELEMENT ASSEMBLY SAFETY   |
| 1               | 70671838           | ELELEMT ASSEMBLY PRIMARY  |
| 1               | 70694661           | ELEMENT HYDRAULIC         |

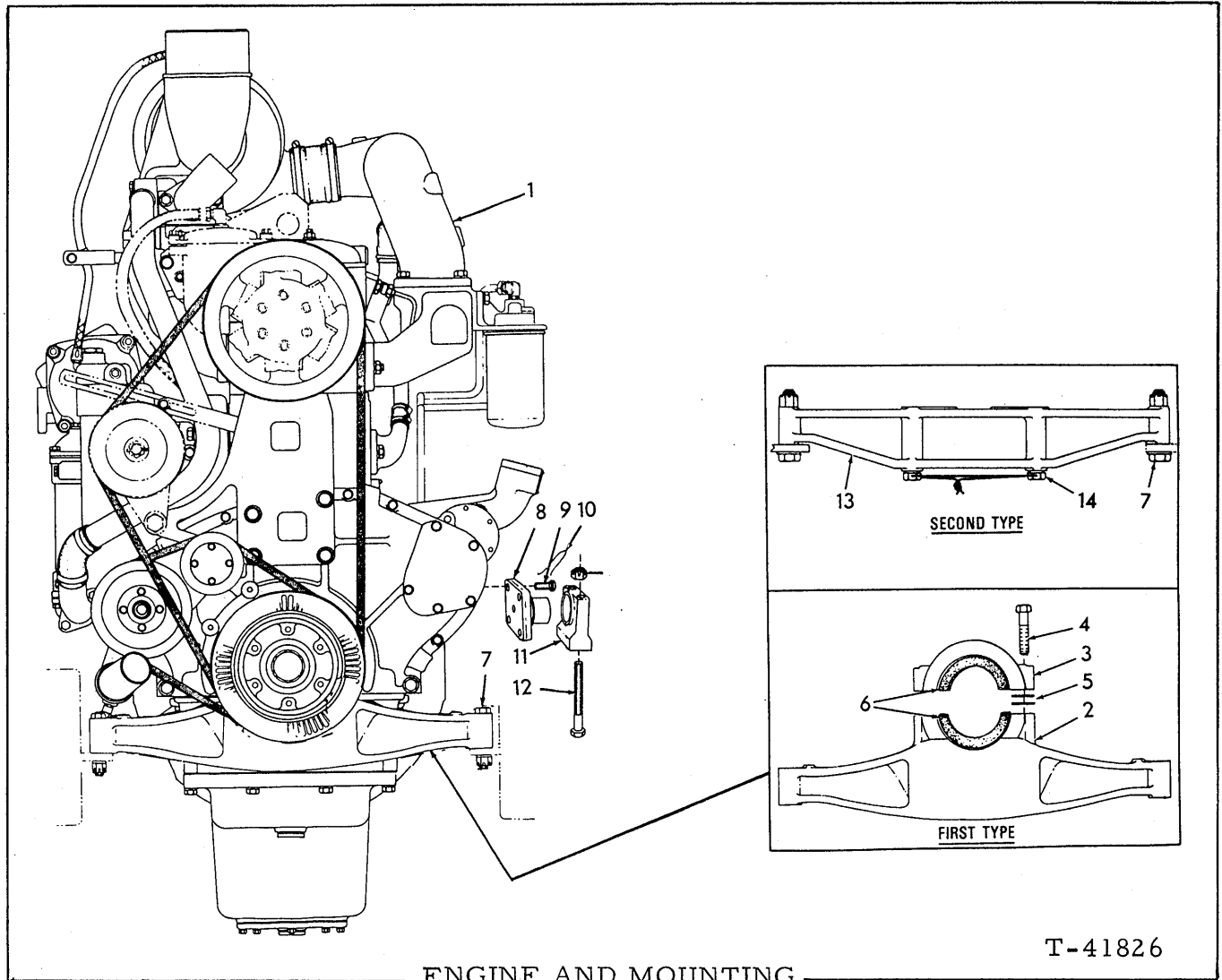
NOTE: Clean and reuse:  
Hydraulic suction filter - 70670698  
Steering suction strainer - 70661506



T-79187

16-B (POWER SHIFT) CRAWLER TRACTOR (W/16HS DOZER AND 16R RIPPER)





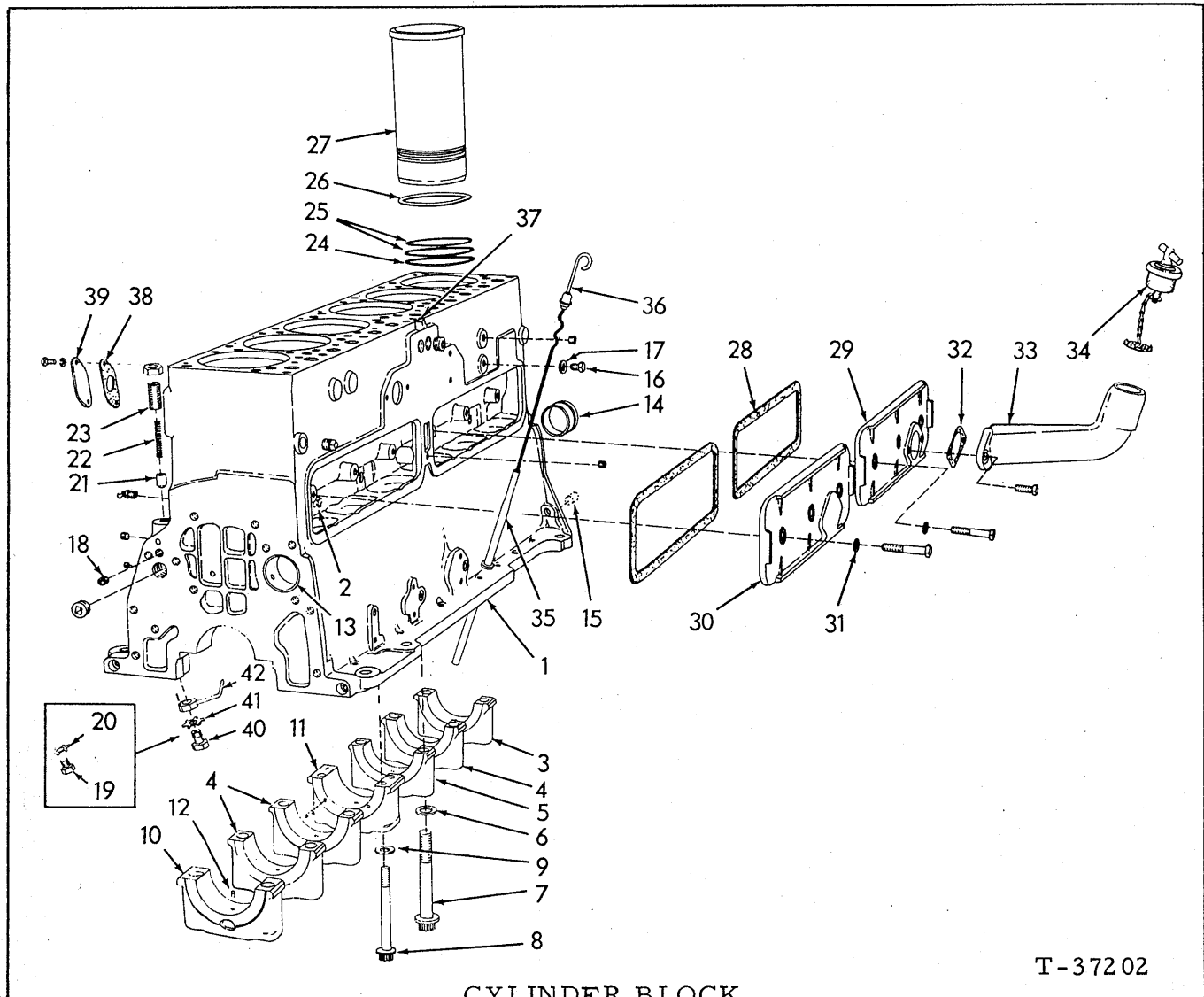
T-41826

# ENGINE AND MOUNTING

| ITEM                                                                                                                                                                                | PART NO. | QTY. | DESCRIPTION                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|-------------------------------------------------------------------------------------------------------------------------|
| 1                                                                                                                                                                                   | 73114733 | 1    | ENGINE ASSY. (17000 MK II)(For service replacement order engine 73117256 and Loose Parts Kit 73121284)                  |
|                                                                                                                                                                                     | 73117256 | 1    | ENGINE ASSY. (6138 LT)                                                                                                  |
| NOTE: Each engine Assy. includes oil filters, oil cooler, fuel filter and turbocharger, but does not include air cleaner, fan, alternator, starter, muffler or crankcase lubricant. |          |      |                                                                                                                         |
|                                                                                                                                                                                     | 73121284 | 1    | □ LOOSE PARTS KIT                                                                                                       |
| 2                                                                                                                                                                                   | 70655510 | 1    | HANGER, front (Includes item 3)(First type)(Tractors prior to S/N 19S15213)(Engines prior to S/N 14-01217)(See item 13) |
| 3                                                                                                                                                                                   | -----    | 1    | CAP (Order item 2)                                                                                                      |
| 4                                                                                                                                                                                   | 70699299 | 2    | SCREW, Nylok, 1/2"NC x 3" } Used with first                                                                             |
|                                                                                                                                                                                     | 74372864 | 2    | WASHER } type hanger                                                                                                    |
| 5                                                                                                                                                                                   | 70916009 | 14   | WASHER, shimming (1/32" thick. Use as required) (Used with first type hanger)                                           |

ENGINE AND MOUNTING (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                          |
|------|----------|------|--------------------------------------------------------------------------------------|
| 6    | 74336491 | 2    | LINER (Used with first type hanger)(See Timing Gear Housing for second type)         |
| 7    | 70670451 | 2    | CAPSCREW, drilled-end, 5/8"NF x 4-1/4"                                               |
|      | 70926193 | 2    | WASHER                                                                               |
|      | 70913280 | 2    | NUT, high, slotted, 5/8"                                                             |
|      | 70900806 | 2    | PIN, cotter, 1/8" x 1"                                                               |
| 8    | 70670457 | 2    | TRUNNION, rear (Tractors prior to unit #12906)                                       |
|      | 70682555 | 2    | TRUNNION, rear (Tractors unit #12906 and up)                                         |
| 9    | 70929086 | 8    | CAPSCREW, drilled-hd., 5/8"NC x 1-1/4"                                               |
| 10   | 70023633 | 4    | WIRE, locking, 1/16" x 12"                                                           |
| 11   | 70631773 | 2    | BRACKET, rear (Tractors prior to unit #12906)                                        |
|      | 70682549 | 2    | BRACKET, rear (Tractors unit #12906 and up)                                          |
| 12   | 70682224 | 4    | CAPSCREW, drilled-end, 3/4"NF x 6-3/4"                                               |
|      | 70673037 | 4    | NUT, high, slotted, 3/4"NF                                                           |
|      | 70900808 | 4    | PIN, cotter, 1/8" x 1-1/2"                                                           |
|      | 70926199 | 8    | WASHER, plain                                                                        |
| 13   | 70083778 | 1    | HANGER, front (Second type)(Tractor S/N 19S15213 and up)(Engine S/N 14-01217 and up) |
| 14   | 70933330 | 2    | CAPSCREW, drilled head, 5/8"NC x 5"                                                  |
|      | 70037000 | 1    | LOCKWIRE                                                                             |



T-37202

CYLINDER BLOCK

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                                                                                                                       |
|------|----------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | 74396088 | 1    | BLOCK ASSY., cylinder (Includes items 2 thru 5, 7, 8, 10 thru 18 and hardware indented below (For first replacement on engines prior to #17-01448 also order 1 Camshaft 74393399) |
|      | 74255491 | 1    | PLUG, pipe (Top dect), 1/4"                                                                                                                                                       |
|      | 70919134 | 1    | PLUG, pipe, hex-hd., 1/8"NPT                                                                                                                                                      |
|      | 70919840 | 3    | PLUG, pipe, hex-hd., 1/4"NPT                                                                                                                                                      |
|      | 70919850 | 4    | PLUG, pipe, hex-skt., 1/4"NPT                                                                                                                                                     |
|      | 70919887 | 1    | PLUG, pipe, hex-skt., 3/8"NPT                                                                                                                                                     |
|      | 70920416 | 1    | PLUG, pipe, hex-hd., 1/2"NPT                                                                                                                                                      |
|      | 70917970 | 2    | PLUG, pipe, hex-skt., 1/2"NPT                                                                                                                                                     |
|      | 70918851 | 2    | PLUG, pipe, hex-skt., 3/4"NPT                                                                                                                                                     |
|      | 74255363 | 1    | COCK, water drain                                                                                                                                                                 |
|      | 74362338 | 2    | PLUG, oil gauge hole                                                                                                                                                              |
| 2    | -----    | 4    | DOWEL, valve lifter bracket (See page 29)                                                                                                                                         |
| 3    | 74395099 | 1    | *CAP, main bearing, rear                                                                                                                                                          |
| 4    | 74395103 | 4    | *CAP, main bearing, intermediate                                                                                                                                                  |

(Continued)

| ITEM                                                                                                                                                   | PART NO. | QTY. | DESCRIPTION                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|------------------------------------------------------------------------------------------|
| 5                                                                                                                                                      | -----    | 1    | *CAP, main bearing, intermediate (No. 5)(Order 74395103)                                 |
| 6                                                                                                                                                      | 74389911 | 12   | WASHER, plain, main bearing capscrew (Engines prior to #17-01756)                        |
| 7                                                                                                                                                      | 74389924 | 12   | CAPSCREW, main bearing cap (7/8" diam.)(Engines prior to #17-01756)                      |
|                                                                                                                                                        | 74393397 | 12   | CAPSCREW, main bearing cap (7/8" diam.)(Engines #17-01756 and up)                        |
| 8                                                                                                                                                      | 74389923 | 4    | CAPSCREW, center main bearing cap (5/8" diam.) (Engines prior to #17-01756)              |
|                                                                                                                                                        | 74391307 | 4    | CAPSCREW, center main bearing cap (5/8" diam.) (Engines #17-01756 and up)                |
| 9                                                                                                                                                      | 74391160 | 4    | WASHER, center main bearing capscrew (Engines prior to #17-01756)                        |
| 10                                                                                                                                                     | 74395101 | 1    | *CAP, main bearing, front                                                                |
| 11                                                                                                                                                     | 74395108 | 1    | *CAP, main bearing, center                                                               |
|                                                                                                                                                        | -----    | 4    | PIN, dowel, thrust flange (See Crankshaft)                                               |
| 12                                                                                                                                                     | 74389292 | 7    | PIN (For stepped bearing cap hole and 1/4" bearing oil hole)(Engines prior to #17-04275) |
|                                                                                                                                                        | 74395109 | 7    | PIN (Adapter for steeped bearing cap hole and 3/8" bearing oil hole)                     |
|                                                                                                                                                        | 70919777 | 7    | PIN (For 3/8" bearing cap hole and 3/8" bearing oil hole)(Engine #17-04275 and up)       |
| 13                                                                                                                                                     | 74665306 | 1    | BEARING, camshaft, front                                                                 |
|                                                                                                                                                        | 74660440 | 2    | BEARING, camshaft, intermediate (Engines prior to #17-01448)                             |
|                                                                                                                                                        | 74393373 | 2    | BEARING, camshaft, intermediate (Engines #17-01448 and up)                               |
| 14                                                                                                                                                     | 74665306 | 1    | BEARING, camshaft, rear                                                                  |
| 15                                                                                                                                                     | -----    | 2    | PIN, dowel, flywheel housing (See page 22)                                               |
| 16                                                                                                                                                     | 70919229 | 3    | CAPSCREW, hole plugging (1/2"NC x 1/2")                                                  |
| 17                                                                                                                                                     | 74119937 | 3    | □ WASHER, copper                                                                         |
| 18                                                                                                                                                     | 74389943 | 1    | RESTRICTOR, oil by-pass (Engines prior to S/N 17-04275)                                  |
| 19                                                                                                                                                     | 70924822 | 6    | CAPSCREW, plugging, oil gallery (5/8"NC x 1/2") (See NOTE below)                         |
| 20                                                                                                                                                     | 74373619 | 6    | LOCKWASHER (See NOTE below)                                                              |
| NOTE: Items 19 and 20 are for Engines prior to S/N 17-01035 without piston cooling. Engines S/N 17-04671 and up with cooling piston in connecting rod. |          |      |                                                                                          |
| 21                                                                                                                                                     | 74500230 | 1    | PISTON, oil pressure regulating valve                                                    |
| 22                                                                                                                                                     | 74660358 | 1    | SPRING, oil pressure regulating valve                                                    |
| 23                                                                                                                                                     | 74389058 | 1    | SCREW, oil pressure regulating valve                                                     |
|                                                                                                                                                        | 70910847 | 1    | NUT, jam, 3/4"NF                                                                         |
| 24                                                                                                                                                     | 74385485 | 6    | O-RING, cylinder sleeve, lower groove (red)                                              |
| 25                                                                                                                                                     | 74393426 | 12   | O-RING, cylinder sleeve, upper grooves (black)                                           |

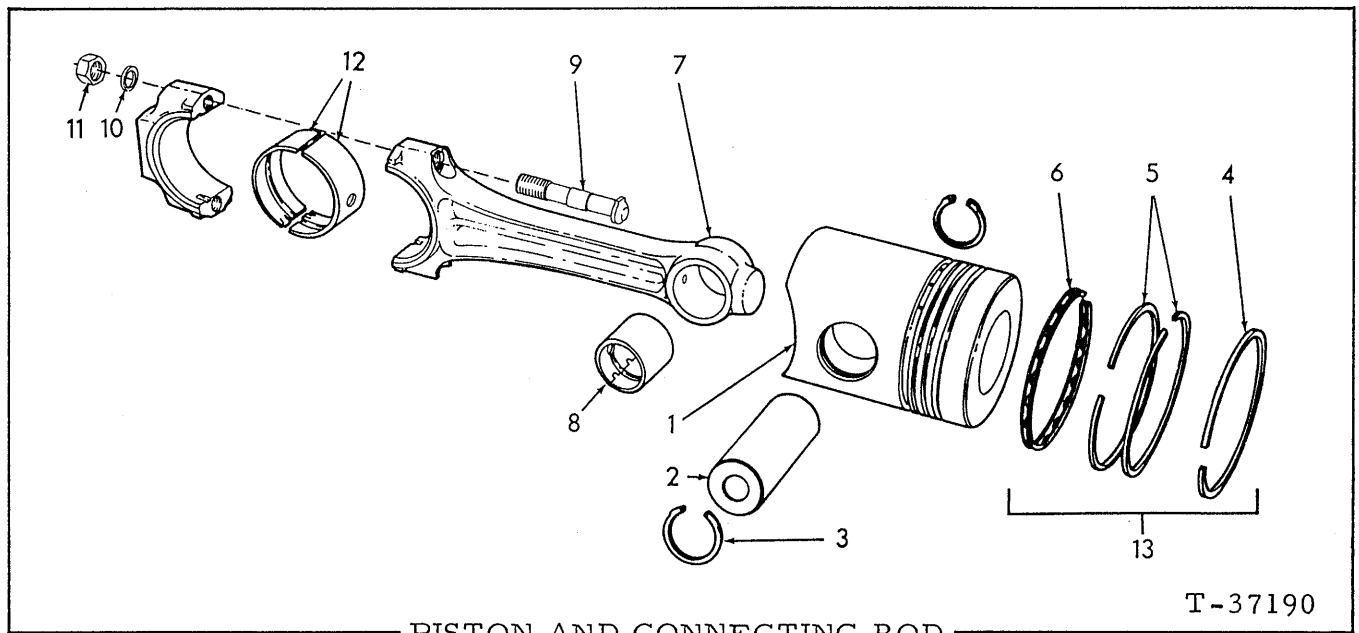
\*Replacement bearing caps are semi-finished and must be line-bored after installing.

(Continued)

## CYLINDER BLOCK (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                                        |                                                   |
|------|----------|------|--------------------------------------------------------------------|---------------------------------------------------|
| 26   | 74368204 | -    | SHIM, cylinder sleeve (.005" thick)                                | } Use as re-<br>quired when<br>machining<br>block |
|      | 74368205 | -    | SHIM, cylinder sleeve (.010" thick)                                |                                                   |
|      | 74368206 | -    | SHIM, cylinder sleeve (.015" thick)                                |                                                   |
|      | 74369002 | -    | SHIM, cylinder sleeve (.020" thick)                                |                                                   |
| 27   | 74061528 | 6    | □ SLEEVE, cylinder (Includes items 24 and 25)                      |                                                   |
| 28   | 74377120 | 2    | □ GASKET, push rod cover                                           |                                                   |
| 29   | 74393854 | 1    | COVER, push rod, rear                                              |                                                   |
|      | 70916316 | 3    | CAPSCREW, 1/2"NC x 2-1/2"                                          |                                                   |
| 30   | 74393853 | 1    | COVER, push rod, front                                             |                                                   |
|      | 70916316 | 2    | CAPSCREW, 1/2"NC x 2-1/2"                                          |                                                   |
|      | 70916317 | 1    | CAPSCREW, 1/2"NC x 2-3/4"                                          |                                                   |
| 31   | 74376749 | 7    | □ WASHER, push rod cover capscrew                                  |                                                   |
| 32   | 74310257 | 1    | □ GASKET, oil filler pipe                                          |                                                   |
| 33   | 74394952 | 1    | ELBOW, oil filler                                                  |                                                   |
|      | 74379198 | 2    | CAPSCREW, Nylok, 1/2"NC x 1-3/8"                                   |                                                   |
| 34   | 74354492 | 1    | CLOSURE ASSY., oil filler (Serviced only as a unit)                |                                                   |
| 35   | 74391378 | 1    | ADAPTER, oil level gauge (Engines prior to #17-01756)              |                                                   |
|      | 74394200 | 1    | ADAPTER, oil level gauge (Engines #17-01756 and up)                |                                                   |
| 36   | 74391366 | 1    | GAUGE, oil level (Engines prior to #17-01756)                      |                                                   |
|      | 74393973 | 1    | GAUGE, oil level (Engines #17-01756 and up)                        |                                                   |
| 37   | 70923799 | 1    | SETSCREW                                                           |                                                   |
| 38   | 74025101 | 2    | GASKET                                                             | } Engine<br>#17-04275<br>and up                   |
| 39   | 74024141 | 2    | PLATE                                                              |                                                   |
|      | 70916253 | 4    | CAPSCREW, 7/16"NC x 3/4"                                           |                                                   |
|      | 70914678 | 4    | LOCKWASHER, 7/16"                                                  |                                                   |
| 40   | 74386262 | 6    | SCREW (See NOTE below)                                             |                                                   |
| 41   | 74255186 | 6    | LOCKWASHER (See NOTE below)                                        |                                                   |
| 42   | 74390766 | 3    | JET ASSY. (Includes Pin)(Cylinders 1, 2 and 4)<br>(See NOTE below) |                                                   |
|      | 74390767 | 3    | JET ASSY. (Includes Pin)(See NOTE below)                           |                                                   |
|      | 70917448 | 6    | PIN, spring (See NOTE below)                                       |                                                   |

NOTE: Items 40 thru 42 are for Engines S/N 17-01035 thru 17-04670 with cooling jets in cylinder block.



PISTON AND CONNECTING ROD

T-37190

USAGE: Engines prior to S/N 17-03006

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                          |
|------|----------|------|--------------------------------------------------------------------------------------|
| 1    | 74062037 | 6    | PISTON (Includes items 2, 3 and 14)                                                  |
| 2    | 74390175 | 6    | PIN (2 inch O.D.)                                                                    |
| 3    | 74253749 | 12   | RETAINER                                                                             |
| 4    | -----    | 6    | RING                                                                                 |
| 5    | -----    | 12   | RING                                                                                 |
| 6    | -----    | 6    | RING                                                                                 |
| 7    | 74394058 | 6    | ROD ASSY. (Service replacement)(Includes items 8 and 9)(Order Bearing from page 16A) |
| 8    | 74376986 | 6    | BUSHING                                                                              |
| 9    | 74388142 | 12   | BOLT (Prior to engine #17-01675)(Shown)                                              |
|      | 74394747 | 12   | CAPSCREW (Engine #17-01675 and up)                                                   |
| 10   | 74388146 | 12   | WASHER                                                                               |
| 11   | 74390011 | 12   | NUT                                                                                  |
| 12   | 74394172 | 12   | BEARING, connecting rod (standard size)                                              |
|      | 74394221 | 12   | BEARING, connecting rod (.010" undersize)                                            |
|      | 74394222 | 12   | BEARING, connecting rod (.020" undersize)                                            |
|      | 74394223 | 12   | BEARING, connecting rod (.030" undersize)                                            |
|      | 74394224 | 12   | BEARING, connecting rod (.040" undersize)                                            |
| 13   | 74061967 | 6    | RING SET (One piston only)(Includes items 4 thru 6)                                  |

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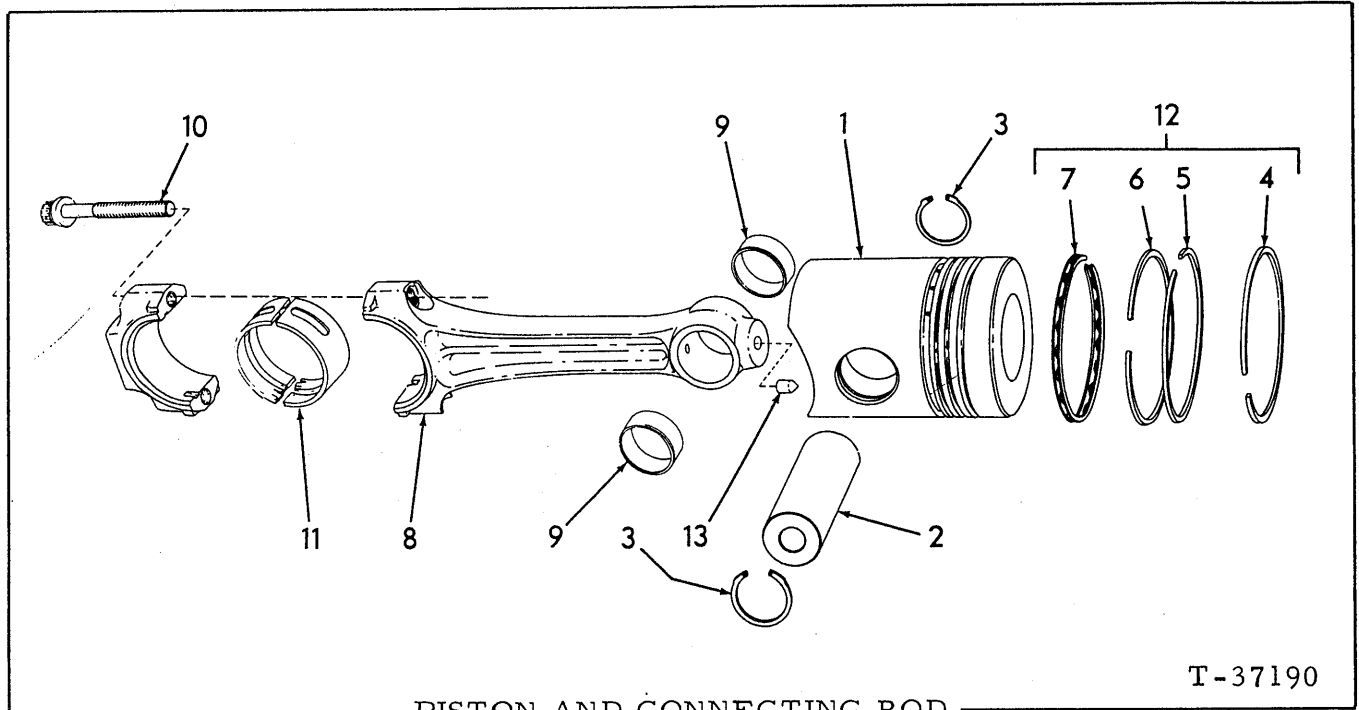
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TO: [illegible]

FROM: [illegible]

SUBJECT: [illegible]

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T-37190

### PISTON AND CONNECTING ROD

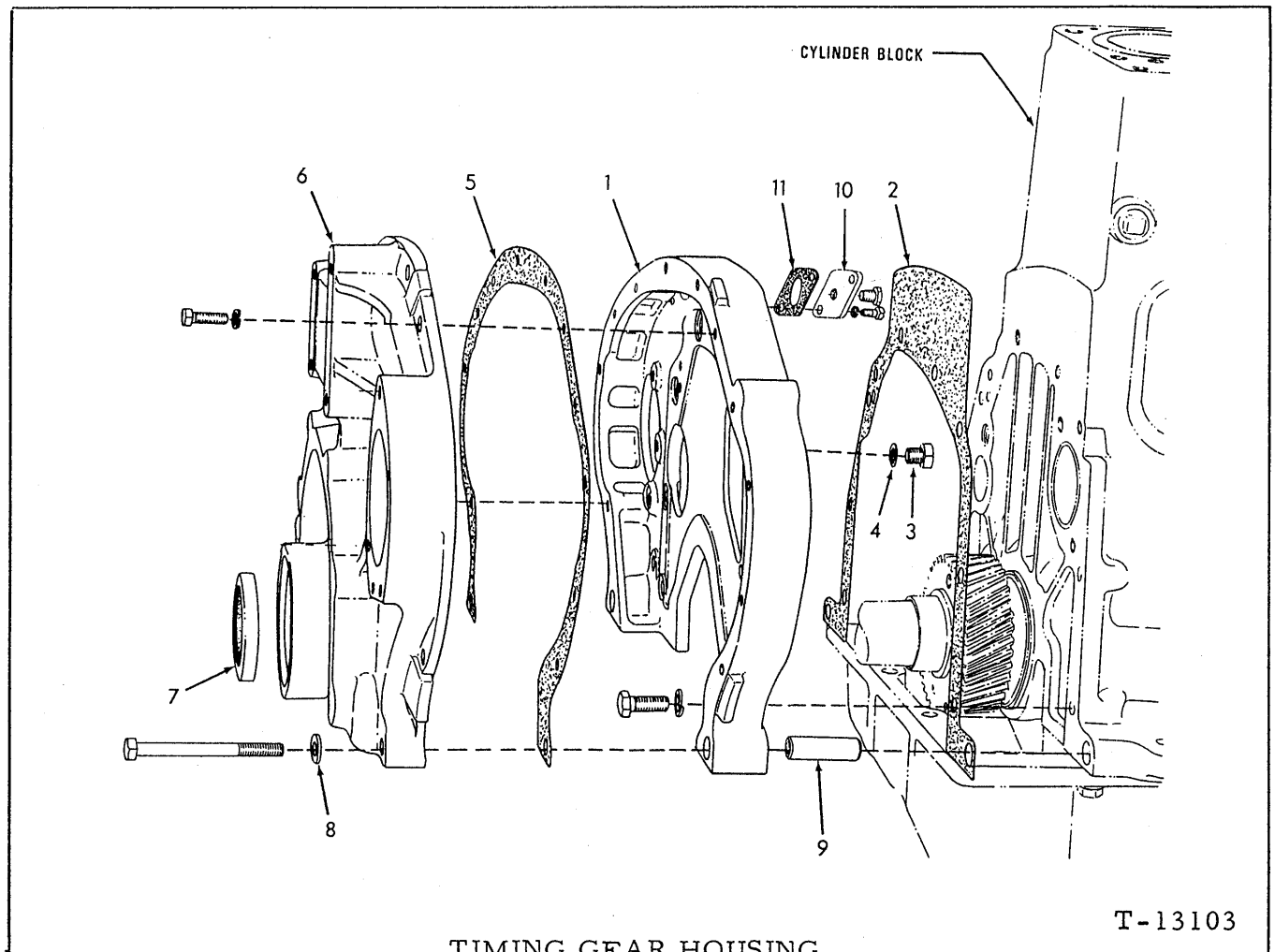
USAGE: Engine S/N 17-03006 and up; also 6138 LT engines. See page 15 for first and second type.

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                                                                                                   |
|------|----------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | 74396638 | 6    | □ PISTON ASSY. (Includes Piston and items 2, 3 and 12)<br>(Stamped 4396594)(Replace in sets in engine S/N<br>17-03006 thru 14-02470 with intake valve recess) |
| 2    | 74394212 | 6    | PIN (2-1/4 O.D.)                                                                                                                                              |
| 3    | 74255943 | 12   | RETAINER                                                                                                                                                      |
| 4    | -----    | 6    | RING (top groove)                                                                                                                                             |
| 5    | -----    | 6    | RING (2nd groove)                                                                                                                                             |
| 6    | -----    | 6    | RING (3rd groove)                                                                                                                                             |
| 7    | -----    | 6    | RING (4th groove)                                                                                                                                             |
| 8    | 74396085 | 6    | ROD ASSY. (Service replacement)(Includes items 9,<br>10 and 13 and instruction sheet)                                                                         |
| 9    | 74396367 | 6    | BUSHING KIT                                                                                                                                                   |
| 10   | 74394747 | 12   | CAPSCREW, 12 pt.                                                                                                                                              |
| 11   | 74396048 | 12   | BEARING (Standard size)                                                                                                                                       |
|      | 74396049 | 12   | BEARING (.010" undersize)                                                                                                                                     |
|      | 74396050 | 12   | BEARING (.020" undersize)                                                                                                                                     |
|      | 74396051 | 12   | BEARING (.030" undersize)                                                                                                                                     |
|      | 74396052 | 12   | BEARING (.040" undersize)                                                                                                                                     |
| 12   | 74061967 | 6    | RING SET (For ONE piston only)(Includes items<br>4 thru 7)                                                                                                    |
| 13   | 74395683 | 6    | PLUG (Engines prior to S/N 17-04671 without piston<br>cooling, or with cooling jets in cylinder block)                                                        |
|      | 74630114 | 6    | TIP, spray (engine S/N 17-04671 and up; also<br>6138 LT engines)                                                                                              |
| 14   | 74062108 | 1    | KIT, bearing (Standard)                                                                                                                                       |
|      | 74062109 | 1    | KIT, bearing (.010" undersize)                                                                                                                                |
|      | 74062110 | 1    | KIT, bearing (.020" undersize)                                                                                                                                |
|      | 74062111 | 1    | KIT, bearing (.030" undersize)                                                                                                                                |
|      | 74062112 | 1    | KIT, bearing (.040" undersize)                                                                                                                                |

Order item 12

Kit contains  
12 bearings





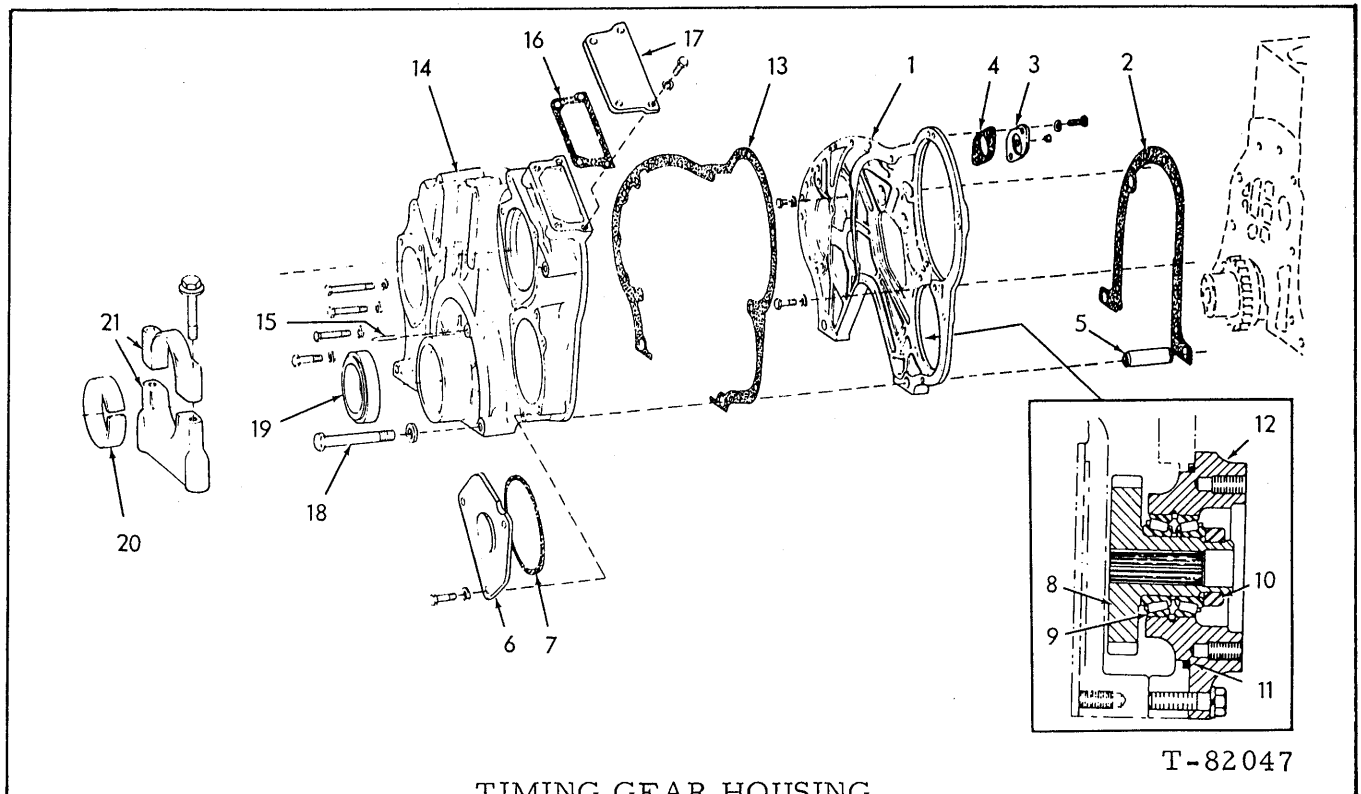
USAGE: Tractors prior to S/N 19S15213 with 17000 MK II engines.

| ITEM | PART NO. | QTY. | DESCRIPTION                                            |
|------|----------|------|--------------------------------------------------------|
| 1    | 74393560 | 1    | HOUSING                                                |
|      | 70916311 | 8    | CAPSCREW, 1/2"NC x 1-1/4"                              |
|      | 70904208 | 8    | LOCKWASHER, 1/2"                                       |
| 2    | 74660492 | 1    | □GASKET, gear housing                                  |
| 3    | 70919229 | 1    | CAPSCREW, plugging (1/2"NC x 1/2")                     |
| 4    | 74119937 | 1    | □GASKET, plugging capscrew                             |
| 5    | 74376609 | 1    | □GASKET, gear housing                                  |
| 6    | 74391911 | 1    | COVER, timing gear housing (Engine prior to #17-01911) |
|      | 74395852 | 1    | COVER, timing gear housing (Engine #17-01911 and up)   |
|      | 70916321 | 2    | CAPSCREW, 1/2"NC x 4-1/2"                              |
|      | 70919224 | 7    | CAPSCREW, 3/8"NC x 1-1/8"                              |
|      | 70904206 | 7    | LOCKWASHER, 3/8"                                       |
| 7    | 74036340 | 1    | SEAL, oil, crankshaft                                  |
| 8    | 74371445 | 2    | WASHER, plain, housing cover capscrew                  |
| 9    | 74371444 | 2    | DOWEL, hollow, gear housing                            |
| 10   | 74390837 | 1    | COVER, gear housing                                    |
|      | 70915408 | 2    | CAPSCREW, 3/8"NC x 3/4"                                |
|      | 70904206 | 2    | LOCKWASHER, 3/8"                                       |
|      | 70920333 | 1    | PLUG, hex-hd., 3/8"NPT                                 |
| 11   | 74371027 | 1    | □GASKET, gear housing cover                            |

# MEMO

101

| Description of Work     |                     | YTL | LOA     | EST |
|-------------------------|---------------------|-----|---------|-----|
| 1. [Faint description]  | [Faint description] | 1   | 0.00000 | 1   |
| 2. [Faint description]  | [Faint description] | 2   | 0.00000 | 2   |
| 3. [Faint description]  | [Faint description] | 3   | 0.00000 | 3   |
| 4. [Faint description]  | [Faint description] | 4   | 0.00000 | 4   |
| 5. [Faint description]  | [Faint description] | 5   | 0.00000 | 5   |
| 6. [Faint description]  | [Faint description] | 6   | 0.00000 | 6   |
| 7. [Faint description]  | [Faint description] | 7   | 0.00000 | 7   |
| 8. [Faint description]  | [Faint description] | 8   | 0.00000 | 8   |
| 9. [Faint description]  | [Faint description] | 9   | 0.00000 | 9   |
| 10. [Faint description] | [Faint description] | 10  | 0.00000 | 10  |
| 11. [Faint description] | [Faint description] | 11  | 0.00000 | 11  |
| 12. [Faint description] | [Faint description] | 12  | 0.00000 | 12  |
| 13. [Faint description] | [Faint description] | 13  | 0.00000 | 13  |
| 14. [Faint description] | [Faint description] | 14  | 0.00000 | 14  |
| 15. [Faint description] | [Faint description] | 15  | 0.00000 | 15  |
| 16. [Faint description] | [Faint description] | 16  | 0.00000 | 16  |
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| 18. [Faint description] | [Faint description] | 18  | 0.00000 | 18  |
| 19. [Faint description] | [Faint description] | 19  | 0.00000 | 19  |
| 20. [Faint description] | [Faint description] | 20  | 0.00000 | 20  |
| 21. [Faint description] | [Faint description] | 21  | 0.00000 | 21  |
| 22. [Faint description] | [Faint description] | 22  | 0.00000 | 22  |
| 23. [Faint description] | [Faint description] | 23  | 0.00000 | 23  |
| 24. [Faint description] | [Faint description] | 24  | 0.00000 | 24  |
| 25. [Faint description] | [Faint description] | 25  | 0.00000 | 25  |
| 26. [Faint description] | [Faint description] | 26  | 0.00000 | 26  |
| 27. [Faint description] | [Faint description] | 27  | 0.00000 | 27  |
| 28. [Faint description] | [Faint description] | 28  | 0.00000 | 28  |
| 29. [Faint description] | [Faint description] | 29  | 0.00000 | 29  |
| 30. [Faint description] | [Faint description] | 30  | 0.00000 | 30  |



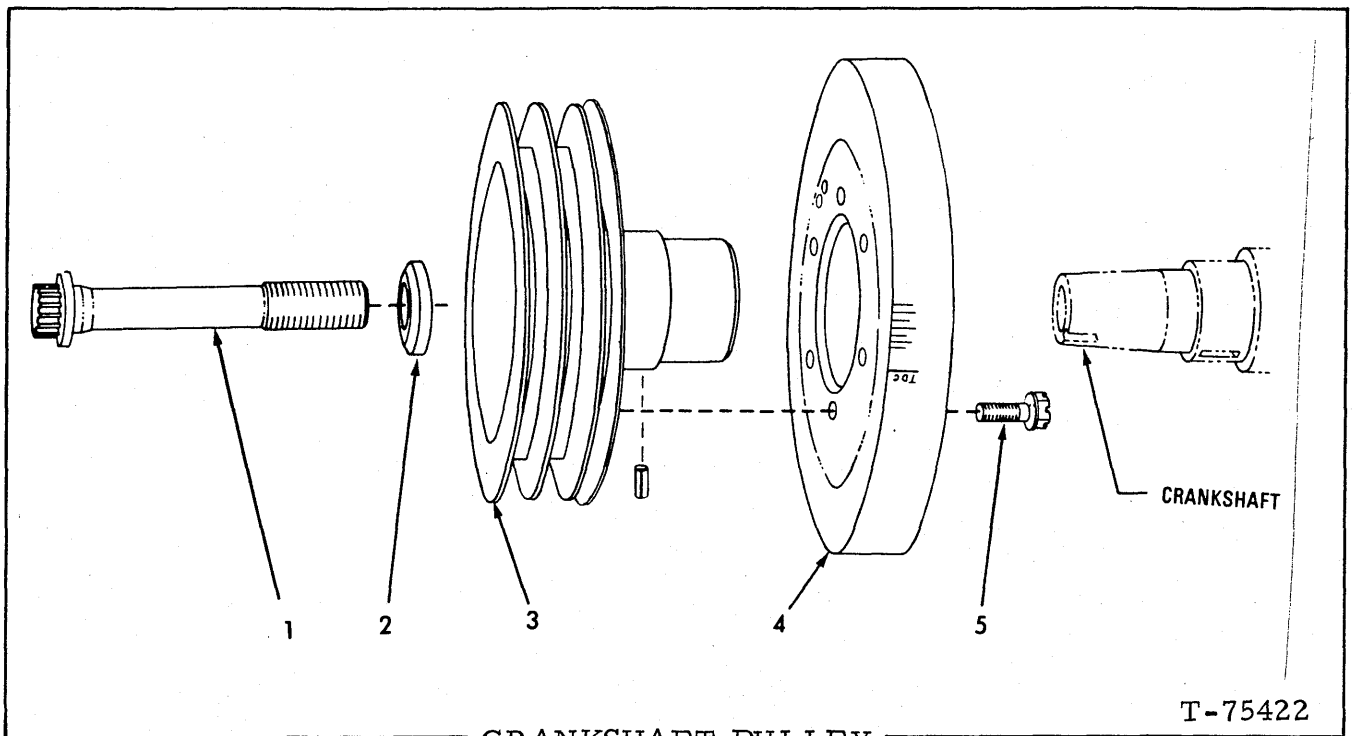
USAGE: Tractor S/N 19S15213 and up with 6138 LT engine.

| ITEM | PART NO. | QTY. | DESCRIPTION                      |
|------|----------|------|----------------------------------|
| 1    | 74394675 | 1    | HOUSING, timing gear             |
|      | 70916311 | 8    | CAPSCREW, 1/2"NC x 1-1/4"        |
|      | 70912069 | 2    | CAPSCREW, 3/8"NC x 2-1/2"        |
|      | 70910287 | 2    | LOCKWASHER, 3/8"                 |
| 2    | 74395999 | 1    | □GASKET                          |
| 3    | 74390837 | 1    | COVER                            |
|      | 70918887 | 1    | PLUG, pipe, hex-skt., 3/8"NPT    |
|      | 70915408 | 2    | CAPSCREW, 3/8"NC x 3/4"          |
|      | 70910287 | 2    | LOCKWASHER, 3/8"                 |
| 4    | 74371027 | 1    | □GASKET                          |
| 5    | 74371444 | 2    | DOWEL                            |
| 6    | 74394672 | 2    | COVER                            |
|      | 70930358 | 1    | CAPSCREW, Nylok, 3/8"NC x 7/8"   |
|      | 70922763 | 5    | CAPSCREW, 3/8"NC x 1"            |
|      | 70910287 | 6    | LOCKWASHER, 3/8"                 |
| 7    | 70923590 | 2    | □O-RING                          |
| 8    | 74395510 | 1    | GEAR                             |
| 9    | 74357289 | 1    | BEARING                          |
| 10   | 74023052 | 1    | NUT                              |
| 11   | 70923590 | 1    | □O-RING                          |
| 12   | 74396118 | 1    | HOUSING                          |
|      | 70930796 | 1    | CAPSCREW, Nylok, 3/8"NC x 1-1/4" |
|      | 70916272 | 2    | CAPSCREW, 3/8"NC x 1-1/4"        |
|      | 70910287 | 3    | LOCKWASHER, 3/8"                 |
| 13   | 74396000 | 1    | □GASKET                          |

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TIMING GEAR HOUSING (Continued)

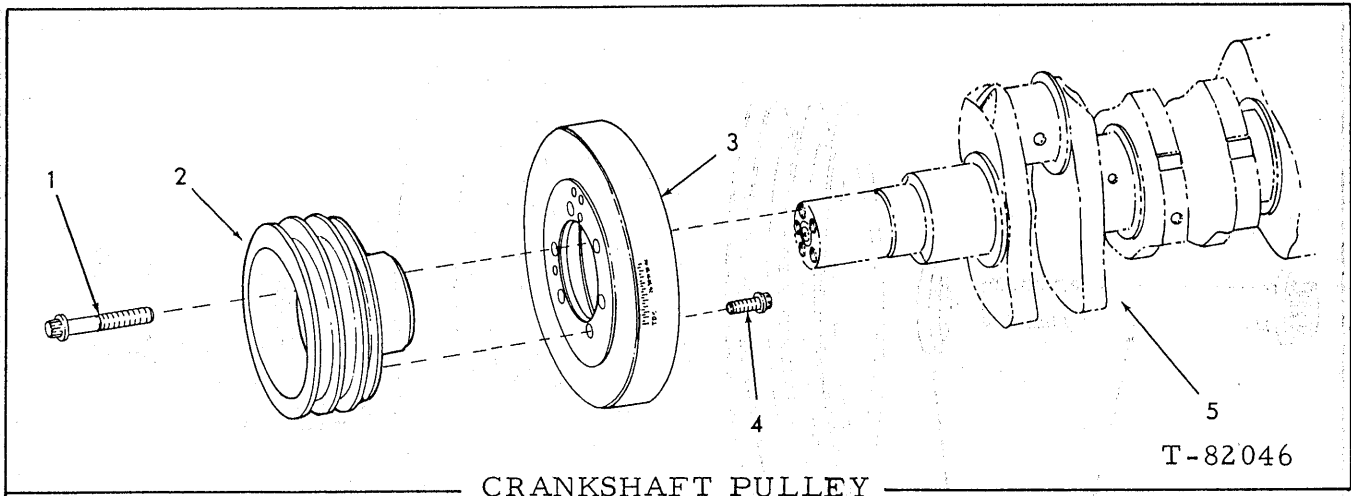
| ITEM | PART NO. | QTY. | DESCRIPTION                    |
|------|----------|------|--------------------------------|
| 14   | 74395998 | 1    | COVER                          |
|      | 70919015 | 6    | CAPSCREW, 3/8"NC x 3-1/2"      |
|      | 70919224 | 1    | CAPSCREW, 3/8"NC x 1-1/8"      |
|      | 70922287 | 1    | CAPSCREW, 3/8"NC x 1-3/4"      |
|      | 70919227 | 2    | CAPSCREW, 3/8"NC x 3-1/4"      |
|      | 70915990 | 1    | CAPSCREW, 3/8"NC x 2-3/4"      |
|      | 70910287 | 9    | LOCKWASHER, 3/8"               |
| 15   | 74395997 | 1    | POINTER, timing                |
| 16   | 74394673 | 1    | □ GASKET                       |
| 17   | 74396168 | 1    | COVER                          |
|      | 70921076 | 4    | CAPSCREW, 3/8"NC x 1-1/4"      |
|      | 70910287 | 4    | LOCKWASHER, 3/8"               |
| 18   | 70916321 | 2    | CAPSCREW, 1/2"NC x 4-1/2"      |
|      | 74371445 | 2    | WASHER                         |
| 19   | 74062468 | 1    | SEAL                           |
| 20   | 74395453 | 1    | LINER                          |
| 21   | 74395454 | 1    | SUPPORT                        |
|      | 70924694 | 2    | CAPSCREW, flanged, 1/2"NC x 3" |



USAGE: 17000 MKII engines

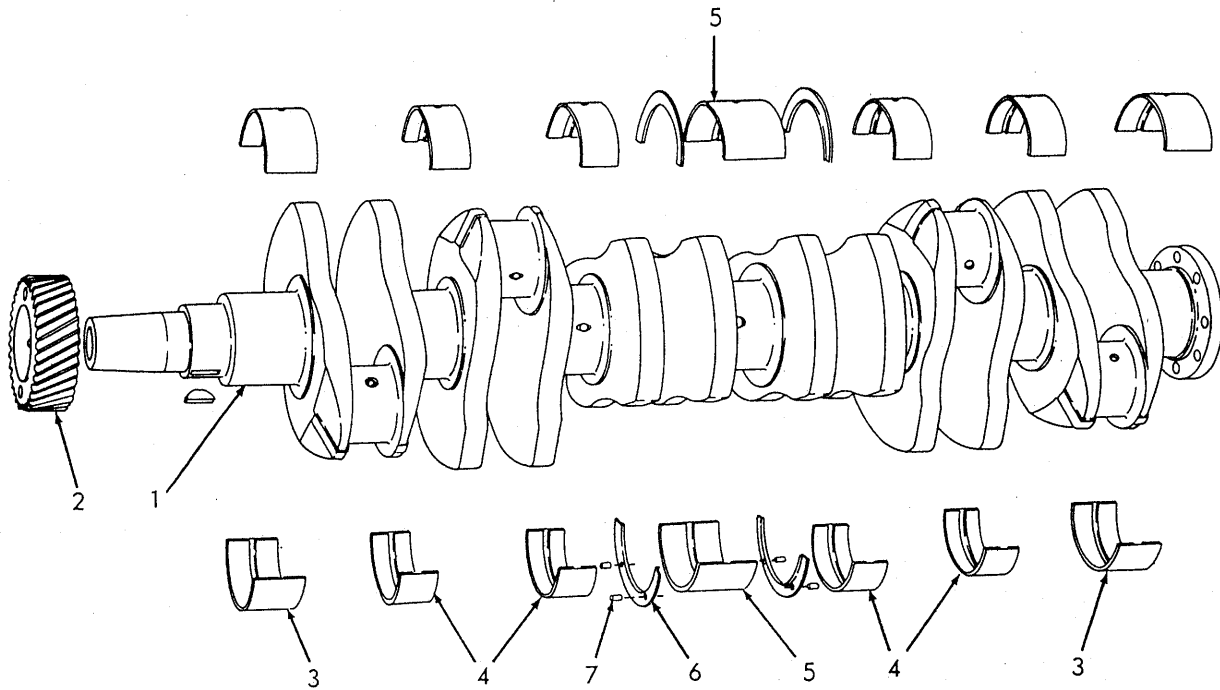
### CRANKSHAFT PULLEY

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                                       |
|------|----------|------|---------------------------------------------------------------------------------------------------|
| 1    | 74393435 | 1    | SCREW, 3/4"NC x 7-1/4" (If for first replacement on engines prior to #17-01412 also order item 2) |
| 2    | 74393436 | 1    | WASHER                                                                                            |
| 3    | 74395631 | 1    | PULLEY (Includes items 4, 5 and Pin indented below)                                               |
|      | 70921839 | 1    | PIN, spring, 5/16" x 1-3/8"                                                                       |
| 4    | 74394694 | 1    | DAMPER                                                                                            |
| 5    | 74391022 | 6    | BOLT                                                                                              |
| 6    | 74391230 | 1    | KEY (Crankshafts with keyway prior to engine #17-04307)(Not illustrated)                          |



USAGE: 6138 LT engines

| ITEM | PART NO. | QTY. | DESCRIPTION              |
|------|----------|------|--------------------------|
| 1    | 74394747 | 5    | CAPSCREW                 |
| 2    | 74396196 | 1    | PULLEY                   |
| 3    | 74395767 | 1    | DAMPER                   |
| 4    | 74391022 | 6    | BOLT                     |
| 5    | -----    | 1    | CRANKSHAFT (See page 20) |



CRANKSHAFT

T-37191

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                                                                           |
|------|----------|------|---------------------------------------------------------------------------------------------------------------------------------------|
| 1    | 74396002 | 1    | CRANKSHAFT (Engines prior to S/N 17-04926)(For first replacement prior to S/N 17-04307 also order 1 Key 70905127 and 1 Gear 74396172) |
|      | 74395456 | 1    | CRANKSHAFT (Engine S/N 17-04926 and up; also 6138 LT engines)                                                                         |
| 2    | 74396172 | 1    | GEAR, crankshaft (Engines prior to S/N 17-04926)                                                                                      |
|      | 74396173 | 1    | GEAR, crankshaft (Engines S/N 17-04926 and up; also 6138 LT engines)                                                                  |
|      | 70905129 | 1    | KEY, #D woodruff, 5/16" x 1-1/4" (Used with keyway)                                                                                   |
|      | 70905127 | 1    | KEY, #B woodruff, 5/16" x 1 (Used with milled slot)                                                                                   |
| 3    | 74395905 | 4    | BEARING, front and rear main (standard size)                                                                                          |
|      | 74395908 | 4    | BEARING, front and rear main (010" undersize)                                                                                         |
|      | 74395909 | 4    | BEARING, front and rear main (020" undersize)                                                                                         |
|      | 74395910 | 4    | BEARING, front and rear main (030" undersize)                                                                                         |
|      | 74395911 | 4    | BEARING, front and rear main (.040" undersize)                                                                                        |

3/8" oil hole (For first replaceemnt prior to engine #17-04275 also order 1 Pin 74395109 per bearing cap)

(Continued)

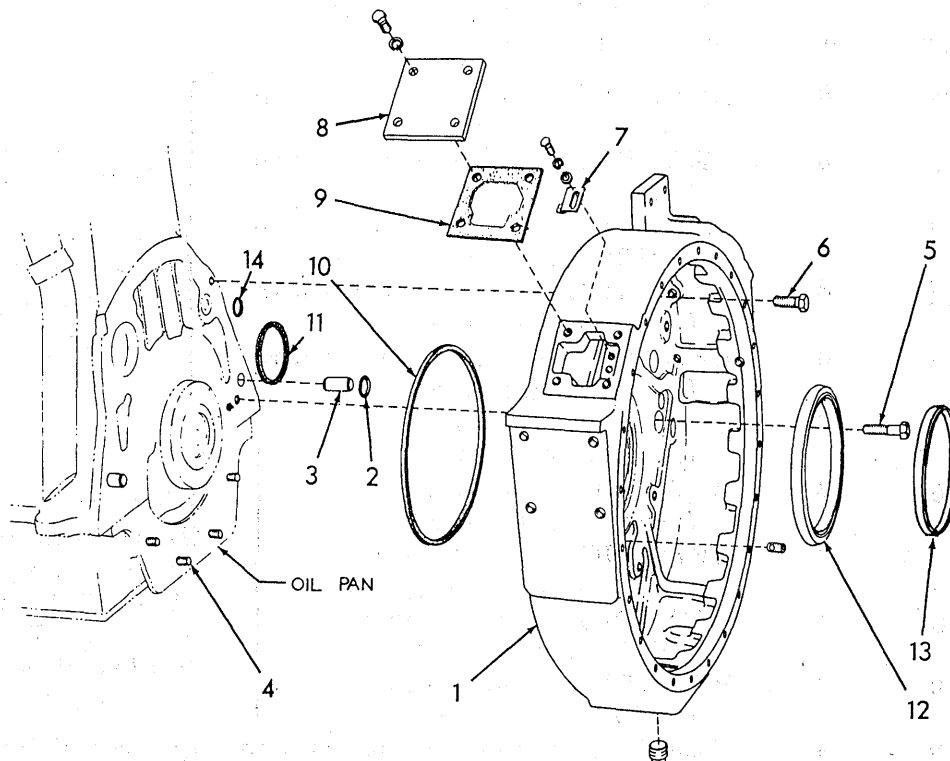
# CRANKSHAFT (Continued)

| ITEM                                                                                              | PART NO. | QTY. | DESCRIPTION                                                   |                                                                                                           |
|---------------------------------------------------------------------------------------------------|----------|------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| 4                                                                                                 | 74395906 | 8    | BEARING, intermediate main (standard size)                    | 3/8" oil hole (For first replacement prior to engine #17-04275 also order 1 PIN 74395109 per bearing cap) |
|                                                                                                   | 74395912 | 8    | BEARING, intermediate main (.010" undersize)                  |                                                                                                           |
|                                                                                                   | 74395913 | 8    | BEARING, intermediate main (.020" undersize)                  |                                                                                                           |
|                                                                                                   | 74395914 | 8    | BEARING, intermediate main (.030" undersize)                  |                                                                                                           |
|                                                                                                   | 74395915 | 8    | BEARING, intermediate main (.040" undersize)                  |                                                                                                           |
| 5                                                                                                 | 74395907 | 2    | BEARING, center main (standard size)                          | 3/8" oil hole (For first replacement prior to engine #17-04275 also order 1 PIN 74395109 per bearing cap) |
|                                                                                                   | 74395916 | 2    | BEARING, center main (.010" undersize)                        |                                                                                                           |
|                                                                                                   | 74395917 | 2    | BEARING, center main (.020" undersize)                        |                                                                                                           |
|                                                                                                   | 74395918 | 2    | BEARING, center main (.030" undersize)                        |                                                                                                           |
|                                                                                                   | 74395919 | 2    | BEARING, center main (.040" undersize)                        |                                                                                                           |
| 6                                                                                                 | 74386359 | 4    | FLANGE, thrust, center main, upper and lower (standard size)  |                                                                                                           |
|                                                                                                   | 74386453 | 4    | FLANGE, thrust, center main, upper and lower (.005" oversize) |                                                                                                           |
|                                                                                                   | 74386454 | 4    | FLANGE, thrust, center main, upper and lower (.010" oversize) |                                                                                                           |
|                                                                                                   | 74386455 | 4    | FLANGE, thrust, center main, upper and lower (.015" oversize) |                                                                                                           |
| 7                                                                                                 | 70919347 | 4    | PIN, spring                                                   |                                                                                                           |
| 8                                                                                                 | 74062039 | 1    | KIT, bearing (standard size)                                  | 3/8" oil hole (For first replacement prior to engine #17-04275 also order 7 PIN 74395109)                 |
|                                                                                                   | 74062040 | 1    | KIT, bearing (.010" undersize)                                |                                                                                                           |
|                                                                                                   | 74062041 | 1    | KIT, bearing (.020" undersize)                                |                                                                                                           |
|                                                                                                   | 74062042 | 1    | KIT, bearing (.030" undersize)                                |                                                                                                           |
|                                                                                                   | 74062043 | 1    | KIT, bearing (.040" undersize)                                |                                                                                                           |
| <u>NOTE:</u> Each BEARING KIT listed above consists of BEARINGS for complete crankshaft overhaul. |          |      |                                                               |                                                                                                           |
| 9                                                                                                 | 74061825 | 1    | KIT, flange (standard size)                                   |                                                                                                           |
|                                                                                                   | 74061826 | 1    | KIT, flange (.005" undersize)                                 |                                                                                                           |
|                                                                                                   | 74061827 | 1    | KIT, flange (.010" undersize)                                 |                                                                                                           |
|                                                                                                   | 74061828 | 1    | KIT, flange (.015" undersize)                                 |                                                                                                           |

NOTE: Each center main bearing thrust FLANGE KIT listed above consists of 4 FLANGES and 4 PIN 70919347.

(Revised August 1980)



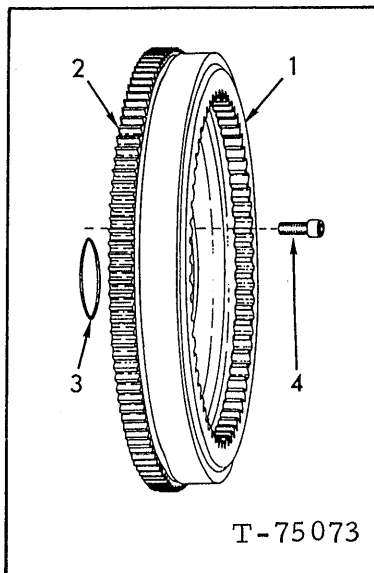


T-41788

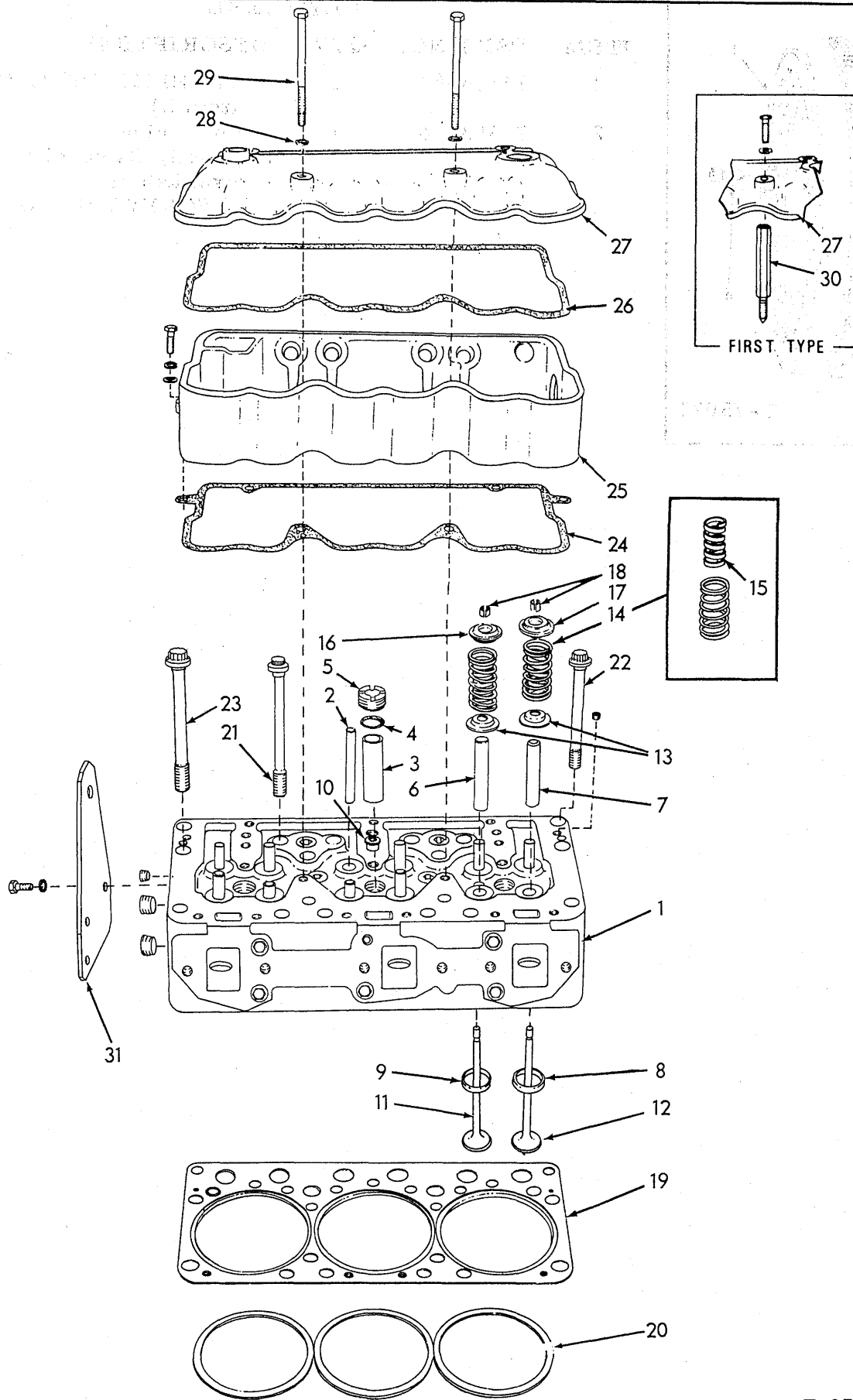
FLYWHEEL HOUSING

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                                   |
|------|----------|------|-----------------------------------------------------------------------------------------------|
| 1    | 74395433 | 1    | HOUSING, flywheel                                                                             |
|      | 70922884 | 2    | SETSCREW, hex-socket, cup-pt., Nylok, 7/16"NC x 1/2"                                          |
|      | 70920333 | 1    | PLUG, pipe, 1/2"NPT                                                                           |
| 2    | 70923810 | 2    | O-RING, housing dowel                                                                         |
| 3    | 74373716 | 2    | DOWEL, housing to crankcase                                                                   |
| 4    | -----    | 4    | CAPSCREW, (See OIL PAN)                                                                       |
| 5    | 70921556 | 2    | CAPSCREW, 1/2"NC x 2"                                                                         |
| 6    | 70920574 | 8    | CAPSCREW, 1/2"NC 1-3/8"                                                                       |
| 7    | 74386651 | 1    | POINTER, timing                                                                               |
|      | 70916284 | 2    | CAPSCREW, 1/4"NC x 1/2"                                                                       |
|      | 70904204 | 2    | LOCKWASHER, 1/4"                                                                              |
|      | 70911114 | 2    | WASHER, plain, SAE std., 1/4"                                                                 |
| 8    | 74395049 | 1    | COVER, timing hole                                                                            |
|      | 70915813 | 4    | CAPSCREW, 5/16"NC x 7/8"                                                                      |
|      | 70904205 | 4    | LOCKWASHER, 5/16"                                                                             |
| 9    | 74390432 | 1    | GASKET, timing hole cover                                                                     |
| 10   | 74336897 | 1    | RING, sealing, housing to crankcase (crankshaft hole)                                         |
| 11   | 74255904 | 1    | RING, sealing, housing to crankcase (camshaft hole)                                           |
| 12   | 74395770 | 1    | SEAL, oil, crankshaft flange (If for Engines prior to #17-02342 also order 1 SLEEVE 74394036) |
| 13   | 74394036 | 1    | SLEEVE, wear (Engine #17-02342 and up)                                                        |
| 14   | 74255898 | 1    | RING, sealing, housing to crankcase (oil gallery hole)                                        |

FLYWHEEL



| ITEM | PART NO. | QTY. | DESCRIPTION                      |
|------|----------|------|----------------------------------|
| 1    | 74395963 | 1    | FLYWHEEL ASSY. (Includes item 2) |
| 2    | 74303694 | 1    | GEAR, ring                       |
| 3    | 74255912 | 1    | □O-RING, flywheel to crankshaft  |
| 4    | 74391666 | 8    | CAPSCREW, flywheel               |



CYLINDER HEAD

T-37183

(Revised February 1976)

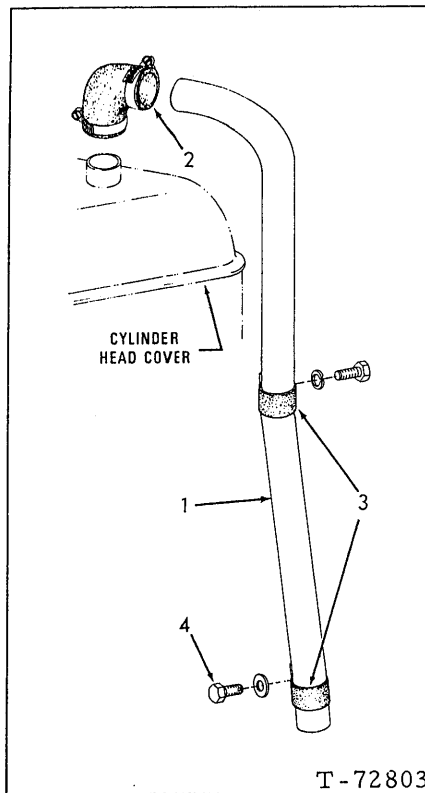
| ITEM | PART NO. | QTY. | DESCRIPTION                                                                                                                                                                                                                       |
|------|----------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | 74394445 | 2    | HEAD ASSY., cylinder (Includes items 2 thru 9 and plugs indented below)(For engines prior to #17-01554 also order 12 of item 16 per head)(For engine #17-02422 and up also order 3 of item 10 per head) (Can be installed singly) |
|      | 74255490 | 8    | PLUG, pipe, hex-socket, 1/8"NPT                                                                                                                                                                                                   |
|      | 74255577 | 26   | PLUG, pipe, hex-socket, 3/4"NPT                                                                                                                                                                                                   |
|      | 74255491 | 2    | PLUG, pipe, hex-socket, 1/4"NPT                                                                                                                                                                                                   |
| 2    | 74386413 | 12   | PIN, guide, valve bridge                                                                                                                                                                                                          |
| 3    | 74392051 | 6    | SLEEVE, injection nozzle                                                                                                                                                                                                          |
| 4    | 70926672 | 6    | O-RING, injection nozzle sleeve                                                                                                                                                                                                   |
| 5    | 74392052 | 6    | NUT, injection nozzle sleeve                                                                                                                                                                                                      |
| 6    | 74390547 | 12   | GUIDE, intake valve                                                                                                                                                                                                               |
| 7    | 74396560 | 12   | GUIDE, exhaust valve                                                                                                                                                                                                              |
| 8    | 74392053 | 12   | INSERT, exhaust valve seat (standard size)                                                                                                                                                                                        |
|      | 74392068 | 12   | INSERT, exhaust valve seat (.005" oversize)                                                                                                                                                                                       |
| 9    | 74386628 | 12   | INSERT, intake valve seat (standard size)                                                                                                                                                                                         |
|      | 74386653 | 12   | INSERT, intake valve seat (.005" oversize)                                                                                                                                                                                        |
| 10   | 74392576 | 6    | INSERT, cylinder head, injection nozzle (Engines prior to #17-02422)                                                                                                                                                              |
| 11   | 74386790 | 12   | VALVE, intake                                                                                                                                                                                                                     |
| 12   | 74392054 | 12   | VALVE, exhaust                                                                                                                                                                                                                    |
| 13   | 74389685 | 24   | SEAT, valve spring                                                                                                                                                                                                                |
| 14   | -----    | 24   | SPRING ASSY (First type)(Includes item 15) (Order 74396664)                                                                                                                                                                       |
|      | 74396664 | 24   | SPRING(Second type with integral damper)                                                                                                                                                                                          |
| 15   | -----    | 24   | DAMPER, (Used with first type spring)                                                                                                                                                                                             |
| 16   | 74389397 | 24   | ROTOCOIL ASSY., intake valve (Serviced only as a unit)(Engine #17-01554 and up)                                                                                                                                                   |
| 17   | -----    | -    | RETAINER, exhaust valve spring (Order item 16) (Engines prior to #17-01554)                                                                                                                                                       |
| 18   | 74376497 | 48   | LOCK, valve stem                                                                                                                                                                                                                  |
| 19   | 74394609 | 2    | GASKET ASSY., cylinder head (Includes item 20)                                                                                                                                                                                    |
| 20   | -----    | 6    | GASKET, cylinder sealing (Order item 19)                                                                                                                                                                                          |
| 21   | 74391306 | 26   | SCREW, cylinder head (5/8"NC x 7")                                                                                                                                                                                                |
| 22   | 74391307 | 2    | SCREW, cylinder head (5/8"NC x 6")                                                                                                                                                                                                |
| 23   | 74393443 | 8    | SCREW, cylinder head (3/4"NC x 7-1/4")                                                                                                                                                                                            |
| 24   | 74393989 | 2    | □GASKET, lower cover                                                                                                                                                                                                              |
| 25   | 74393625 | 1    | COVER, lower section, front                                                                                                                                                                                                       |
|      | 74393628 | 1    | COVER, lower section, rear                                                                                                                                                                                                        |
|      | 74394928 | 2    | COVER, lower section (Engine #17-03700 and up)                                                                                                                                                                                    |
|      | 70916272 | 4    | CAPSCREW, 3/8"NC x 1-1/4"                                                                                                                                                                                                         |
|      | 70904206 | 4    | LOCKWASHER, 3/8"                                                                                                                                                                                                                  |
|      | 70913544 | 4    | WASHER, plain                                                                                                                                                                                                                     |
| 26   | 74389961 | 2    | □GASKET, rocker cover                                                                                                                                                                                                             |
| 27   | 74386901 | 1    | COVER, rocker (front)                                                                                                                                                                                                             |
|      | 74387726 | 1    | COVER, rocker (rear)                                                                                                                                                                                                              |
|      | 70914847 | 1    | CAPSCREW, 3/8"NC x 1-1/2" (Engines prior to #17-03364)                                                                                                                                                                            |
|      | 70921405 | 1    | CAPSCREW, 3/8"NC x 6" (Engine #17-03364 and up)                                                                                                                                                                                   |
| 28   | 74254873 | 8    | □WASHER, sealing, rocker cover capscREW                                                                                                                                                                                           |

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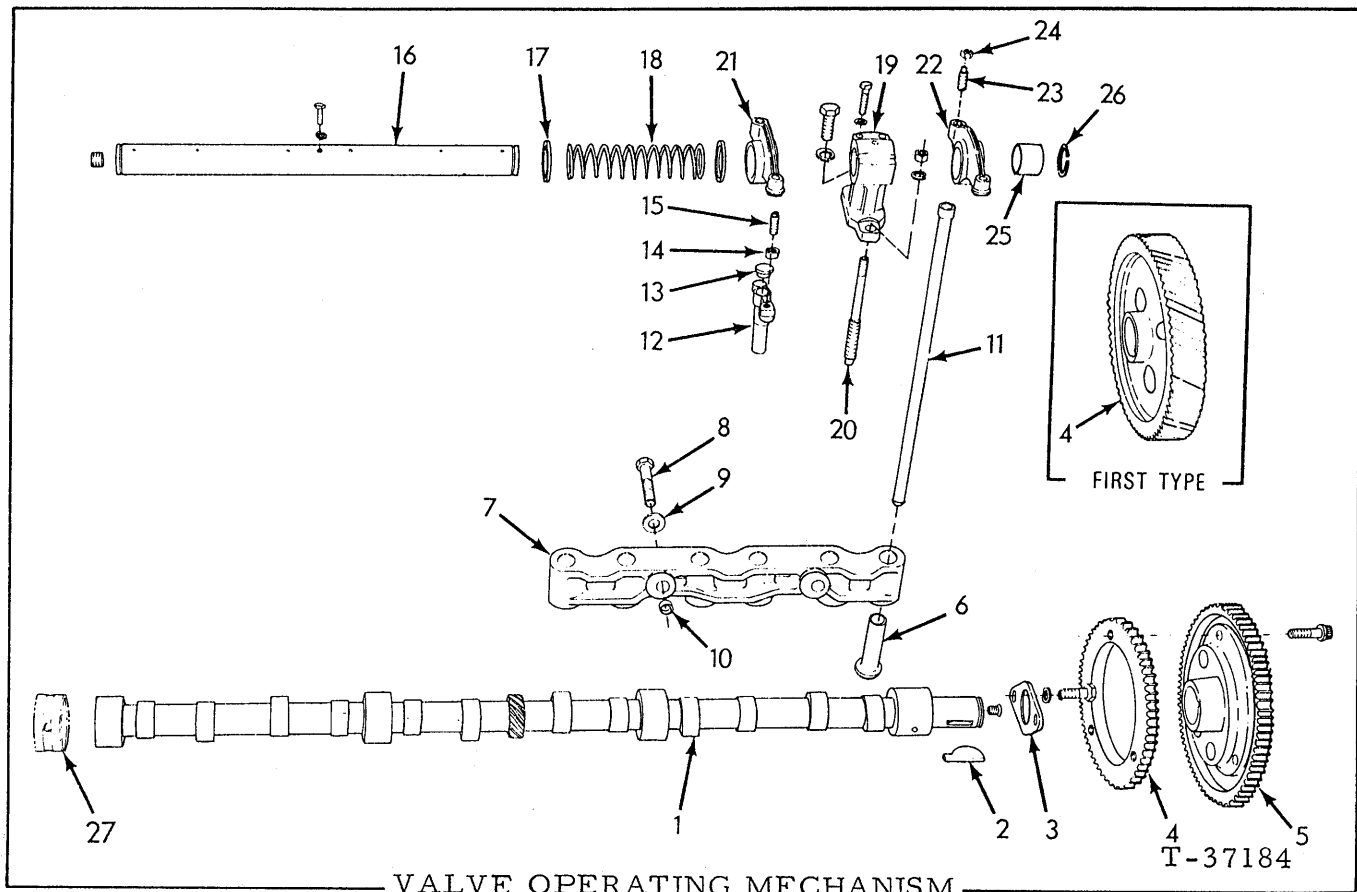
(Revised April 1981)

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                             |
|------|----------|------|-----------------------------------------------------------------------------------------|
| 29   | 74386421 | 7    | CAPSCREW, rocker cover (3/8"NC x 6-1/8")<br>(Engines prior to #17-04161)                |
|      | 70921405 | 7    | CAPSCREW, rocker cover (3/8"NC x 6")(Engine<br>#17-04161 and up)                        |
| 30   | 74389965 | 1    | BOLT, extension, rear lower cover (Engines prior<br>to #17-03364)                       |
| 31   | 74395903 | 1    | BRACKET, lifting (front)                                                                |
|      | 70916311 | 3    | CAPSCREW, 1/2"NC x 1-1/4" } Engine<br>70904208 3 LOCKWASHER, 1/2" } #17-03955<br>and up |

# ENGINE BREATHER



| ITEM | PART NO. | QTY. | DESCRIPTION                           |
|------|----------|------|---------------------------------------|
| 1    | 74390507 | 1    | TUBE, breather                        |
| 2    | 74255351 | 1    | ELBOW, rubber                         |
|      | 70922198 | 2    | CLAMP, hose, 1-9/16" to 2-9/16" diam. |
| 3    | 74255361 | 2    | CLAMP, tube supporting                |
| 4    | 70916308 | 1    | CAPSCREW, 1/2"NC x 7/8"               |
|      | 70904208 | 1    | LOCKWASHER, 1/2"                      |
|      | 70910244 | 1    | WASHER, plain, SAE std., 1/2"         |



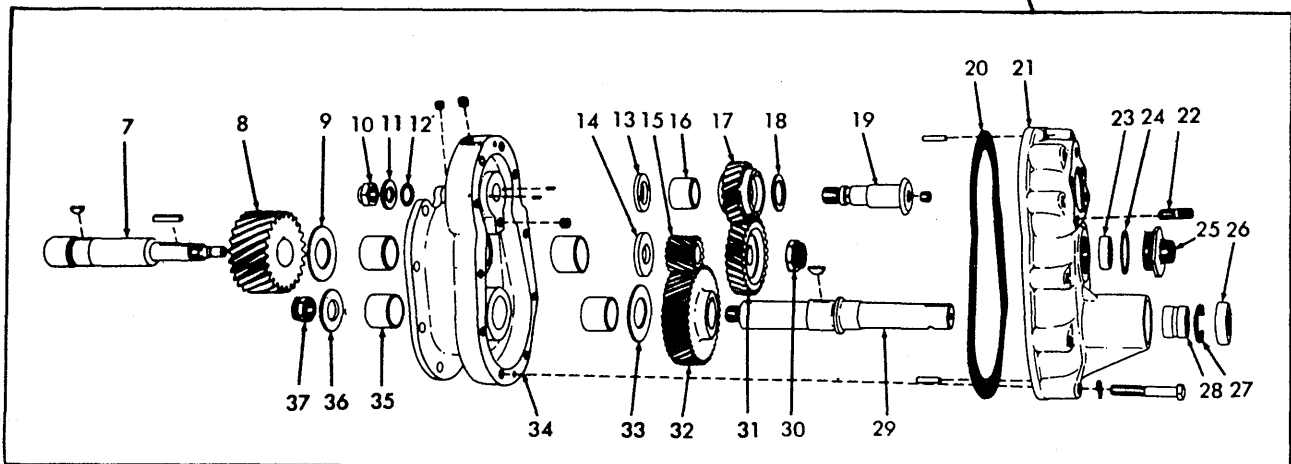
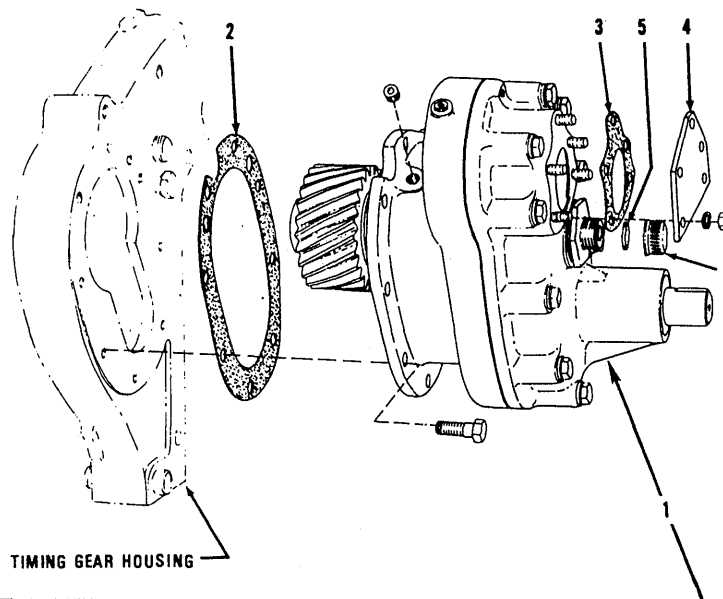
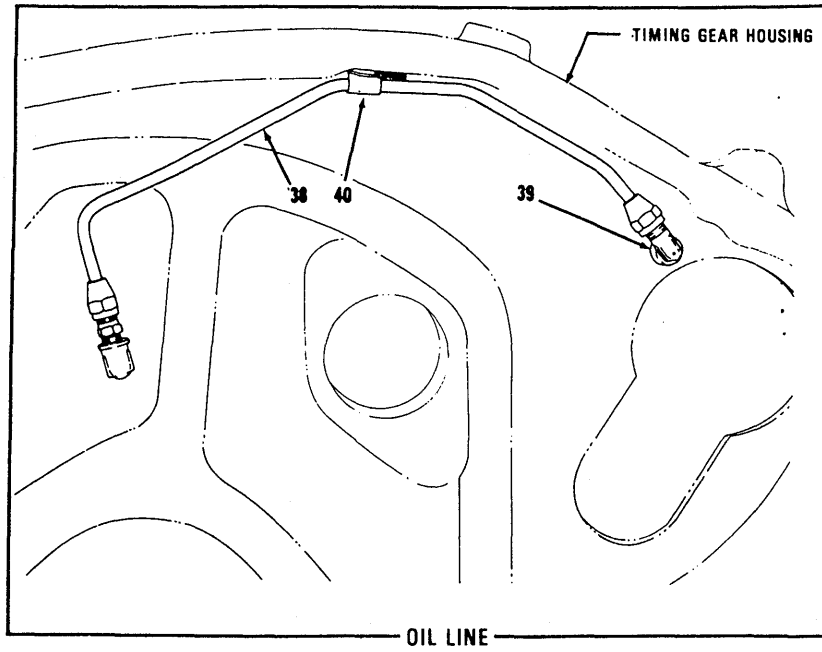
| ITEM | PART NO. | QTY. | DESCRIPTION                                 |                   |
|------|----------|------|---------------------------------------------|-------------------|
| 1    | 74393399 | 1    | CAMSHAFT                                    |                   |
| 2    | 70923738 | 1    | KEY                                         |                   |
| 3    | 74386776 | 1    | PLATE                                       |                   |
|      | 70916311 | 2    | CAPSCREW, 1/2"NC x 1-1/4"                   |                   |
|      | 70912441 | 2    | LOCKWASHER, 1/2"                            |                   |
| 4    | 74392183 | 1    | GEAR (17000 MK II engines)                  |                   |
|      | 74394662 | 1    | GEAR                                        |                   |
|      | 70922051 | 3    | CAPSCREW, (12-pt., 3/8"NC x 1")             | } 6138 LT engines |
| 5    | 74394666 | 1    | GEAR                                        |                   |
| 6    | 74391845 | 12   | LIFTER                                      |                   |
| 7    | 74391869 | 1    | BRACKET                                     |                   |
|      | 74391870 | 1    | BRACKET                                     |                   |
| 8    | 70915969 | 4    | CAPSCREW, 1/2"NC x 3"                       |                   |
| 9    | 74376277 | 4    | WASHER                                      |                   |
| 10   | 74303038 | 4    | DOWEL                                       |                   |
| 11   | 74391849 | 12   | ROD                                         |                   |
| 12   | 74390270 | 12   | BRIDGE ASSY. (Includes items 13 thru 15)    |                   |
| 13   | 74376538 | 12   | INSERT                                      |                   |
| 14   | 74516821 | 12   | NUT                                         |                   |
| 15   | 74390254 | 12   | SCREW                                       |                   |
| 16   | 74390117 | 2    | SHAFT ASSY. (Includes Plugs indented below) |                   |
|      | 70918887 | 4    | PLUG, pipe, hex-socket, 3/8"NPT             |                   |
|      | 70915406 | 2    | CAPSCREW, 1/4"NC x 3/4"                     |                   |
|      | 70904204 | 2    | LOCKWASHER, 1/4"                            |                   |

(Continued)

VALVE OPERATING MECHANISM (Continued)

| ITEM                                                            | PART NO. | QTY. | DESCRIPTION                                                              |
|-----------------------------------------------------------------|----------|------|--------------------------------------------------------------------------|
| 17                                                              | 74386406 | 8    | RETAINER                                                                 |
| 18                                                              | 74386405 | 4    | SPRING                                                                   |
| 19                                                              | 74395085 | 6    | BRACKET                                                                  |
|                                                                 | 70916311 | 6    | CAPSCREW, 1/2"NC x 1-1/4" (attaching)                                    |
|                                                                 | 70912441 | 6    | LOCKWASHER, 1/2"                                                         |
|                                                                 | 70915807 | 12   | CAPSCREW, 5/16"NC x 1-1/4" (clamping)<br>(Engines prior to S/N 17-04919) |
|                                                                 | 70904205 | 12   | LOCKWASHER, 5/16" (Engines prior to<br>S/N 17-04919)                     |
| 20                                                              | 74377541 | 6    | STUD                                                                     |
|                                                                 | 70910325 | 6    | NUT, 1/2"NC                                                              |
|                                                                 | 70912441 | 6    | LOCKWASHER, 1/2"                                                         |
| 21                                                              | 74390296 | 4    | ARM ASSY., intake valve Nos. 1,2,4,5                                     |
|                                                                 | 74390297 | 2    | ARM ASSY., exhaust valve Nos. 3,6                                        |
| 22                                                              | 74390294 | 4    | ARM ASSY., exhaust valve Nos. 1,2,4,5                                    |
|                                                                 | 74390295 | 2    | ARM ASSY., intake valve Nos. 3,6                                         |
| NOTE: Each ARM ASSY. listed above includes items<br>23 thru 25. |          |      |                                                                          |
| 23                                                              | 74336646 | 12   | SCREW                                                                    |
| 24                                                              | 74516821 | 12   | NUT                                                                      |
| 25                                                              | 74388428 | 12   | BUSHING                                                                  |
| 26                                                              | 74253190 | 4    | RING, snap                                                               |
| 27                                                              | -----    | -    | BEARING, camshaft (See page 12)                                          |





ACCESSORY DRIVE

T-39416

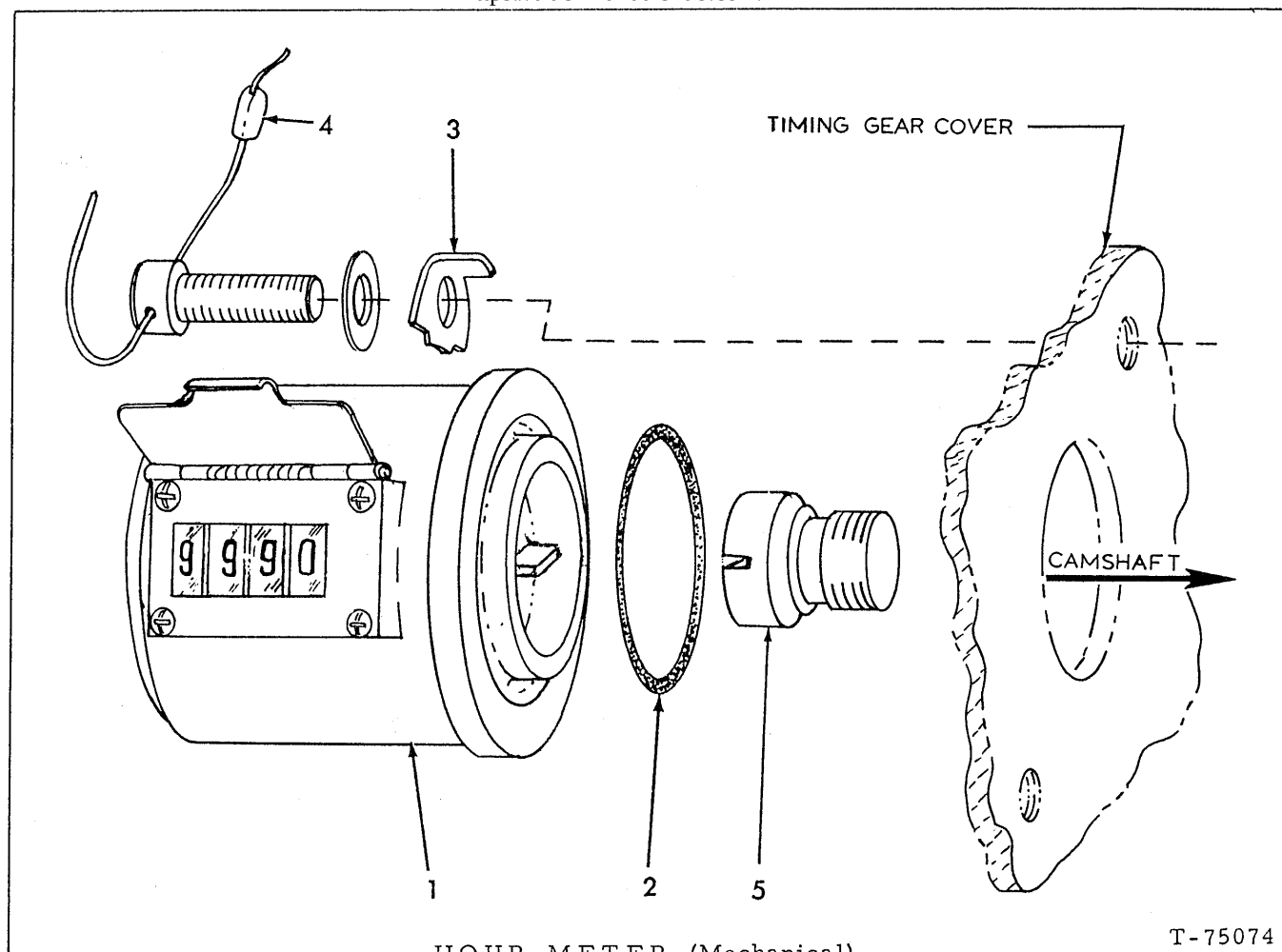
USAGE: Tractors prior to S/N 19S15213 with 17000 MKII engines.

| ITEM | PART NO. | QTY. | DESCRIPTION                                                      |
|------|----------|------|------------------------------------------------------------------|
| 1    | 74391441 | 1    | DRIVE ASSY. (Consists of items 7 thru 37)                        |
|      | 70921520 | 8    | CAPSCREW, Nylok, 3/8"NC x 7/8"                                   |
| 2    | 74376603 | 1    | <input type="checkbox"/> GASKET, accessory drive to gear housing |
| 3    | 74386826 | 1    | GASKET, housing cover plate                                      |
| 4    | 74389593 | 1    | PLATE, housing cover                                             |
|      | 70904206 | 3    | LOCKWASHER, 3/8"                                                 |
|      | 70910123 | 3    | NUT, 3/8"NC                                                      |
| 5    | 74367090 | 1    | <input type="checkbox"/> GASKET, tachometer hole nut             |
| 6    | 74371118 | 1    | NUT, cover tachometer hole                                       |
| 7    | 74391419 | 1    | SHAFT, upper                                                     |
|      | 70917409 | 1    | KEY, #9 woodruff, 3/16" x 3/4"                                   |
|      | 70905850 | 1    | KEY, straight, 5/16" x 1"                                        |
| 8    | 74391403 | 1    | GEAR, accessory drive                                            |
| 9    | 74391412 | 1    | WASHER, thrust, upper shaft, front                               |
| 10   | 70911044 | 1    | NUT, 5/8"NF                                                      |
| 11   | 70900703 | 1    | WASHER, auxiliary drive gear shaft                               |
| 12   | 70923574 | 1    | O-RING, auxiliary drive gear shaft                               |
| 13   | 74376598 | 1    | WASHER, thrust, auxiliary drive gear                             |
|      | 70917014 | 2    | PIN, dowel, 1/8" x 3/8"                                          |
| 14   | 74391407 | 1    | WASHER, thrust, rear                                             |
| 15   | 74364404 | 1    | GEAR, upper shaft (14 teeth)                                     |
| 16   | 74376596 | 1    | BUSHING, auxiliary drive gear                                    |
| 17   | 74320608 | 1    | GEAR ASSY., auxiliary drive (Includes item 16)                   |
| 18   | 74391411 | 1    | PLATE, thrust, auxiliary drive gear                              |
| 19   | 74376591 | 1    | SHAFT ASSY., auxiliary drive (Includes PLUG indented below)      |
|      | 70917673 | 1    | PLUG, pipe, hex-socket, 1/8"NPT                                  |
| 20   | 74376604 | 1    | GASKET, cover                                                    |
| 21   | 74386711 | 1    | COVER ASSY., housing (Includes item 28)                          |
|      | 70912069 | 10   | CAPSCREW, 3/8"NC x 2-1/2"                                        |
|      | 70904206 | 10   | LOCKWASHER, 3/8"                                                 |
|      | 70917023 | 2    | PIN, dowel, 1/4" x 1"                                            |
| 22   | 74389599 | 3    | STUD, housing cover                                              |
| 23   | 74391019 | 1    | SEAL, oil, upper shaft                                           |
| 24   | 74251601 | 1    | GASKET, tachometer drive adapter                                 |

(Continued)

(Revised April 1981)

| ITEM | PART NO. | QTY. | DESCRIPTION                                    |
|------|----------|------|------------------------------------------------|
| 25   | 74365627 | 1    | ADAPTER, tachometer drive                      |
| 26   | 74386879 | 1    | SEAL, oil, lower shaft                         |
| 27   | 74254742 | 1    | RING, snap, bushing retaining                  |
| 28   | 74377278 | 1    | BUSHING, housing cover                         |
| 29   | 74391475 | 1    | SHAFT, lower                                   |
|      | 70917409 | 1    | KEY, #9 woodruff, 3/16" x 3/4"                 |
| 30   | 70930805 | 1    | NUT, upper shaft (self-locking)                |
| 31   | 74376590 | 1    | GEAR, driving, fuel transfer pump              |
| 32   | 74391554 | 1    | GEAR, lower shaft (42 teeth)                   |
| 33   | 74391412 | 1    | WASHER, thrust, lower shaft, rear              |
| 34   | 74391408 | 1    | HOUSING ASSY. (Includes item 35)               |
|      | 70917673 | 4    | PLUG, pipe, hex-socket, 1/8"NPT                |
| 35   | 74369746 | 4    | BUSHING, accessory drive housing               |
| 36   | 74364166 | 1    | WASHER, thrust, lower shaft, front             |
| 37   | 70930805 | 1    | NUT, lock, cd. pltd., 3/4"NF                   |
| 38   | 74376627 | 1    | TUBE ASSY., lubricating oil (Includes nuts)    |
|      | 70910141 | 1    | CONNECTOR, flare type, 1/4" tube, 1/8"NPT male |
|      | 70917013 | 1    | ELBOW, street, brass, 90°, 1/8"NPT             |
| 39   | 74391885 | 1    | ELBOW, lubricating oil tube                    |
|      | 70917841 | 1    | NIPPLE, pipe, 1/8"NPT x 7/8"                   |
| 40   | 74361829 | 1    | CLIP, tube supporting                          |
|      | 74335669 | 1    | CAPSCREW, drilled-hd., 1/4"NC x 1/2"           |
|      | 70904204 | 1    | LOCKWASHER, 1/4"                               |
|      | 74348691 | 1    | WIRE, locking #18 x 6"                         |

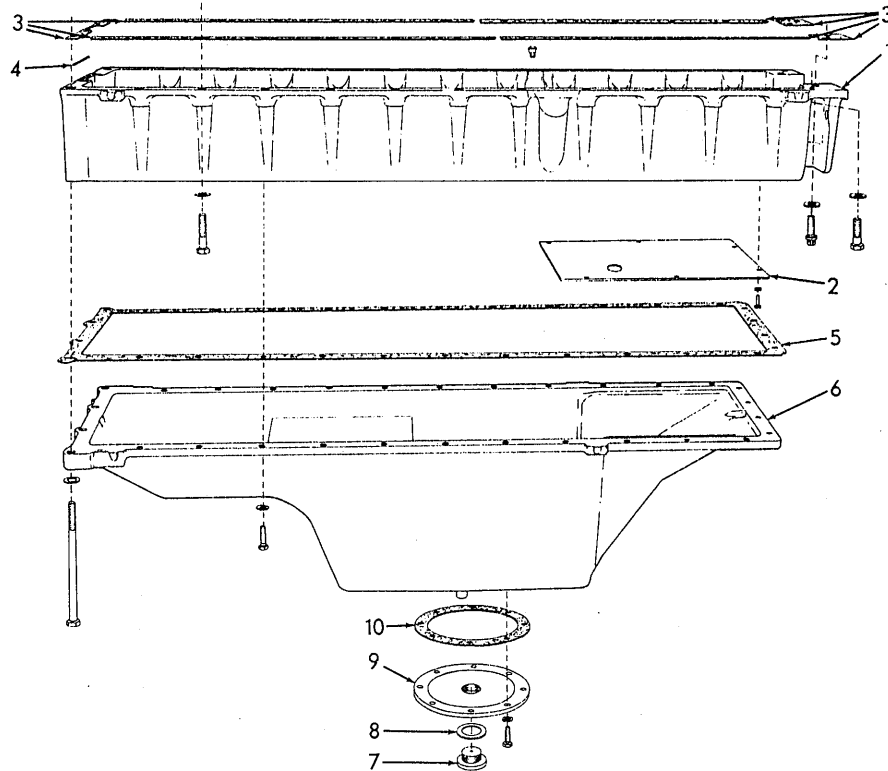


T-75074

# HOUR METER (Mechanical)

USAGE: Standard equipment on engines prior to Serial No. 17-01911

| ITEM | PART NO. | QTY. | DESCRIPTION                           |
|------|----------|------|---------------------------------------|
| 1    | 74392190 | 1    | METER ASSY. (Serviced only as a unit) |
| 2    | 70924137 | 1    | O-RING, meter mounting                |
| 3    | 74359293 | 2    | CLAMP, meter attachment               |
|      | 74391914 | 2    | SCREW, hex-socket-hd., 1/4"NF x 3/4"  |
|      | 70904204 | 2    | LOCKWASHER, 1/4"                      |
| 4    | 74355843 | 1    | SEAL, anti-tampering                  |
| 5    | 74391912 | 1    | PLUG, camshaft (meter driving)        |



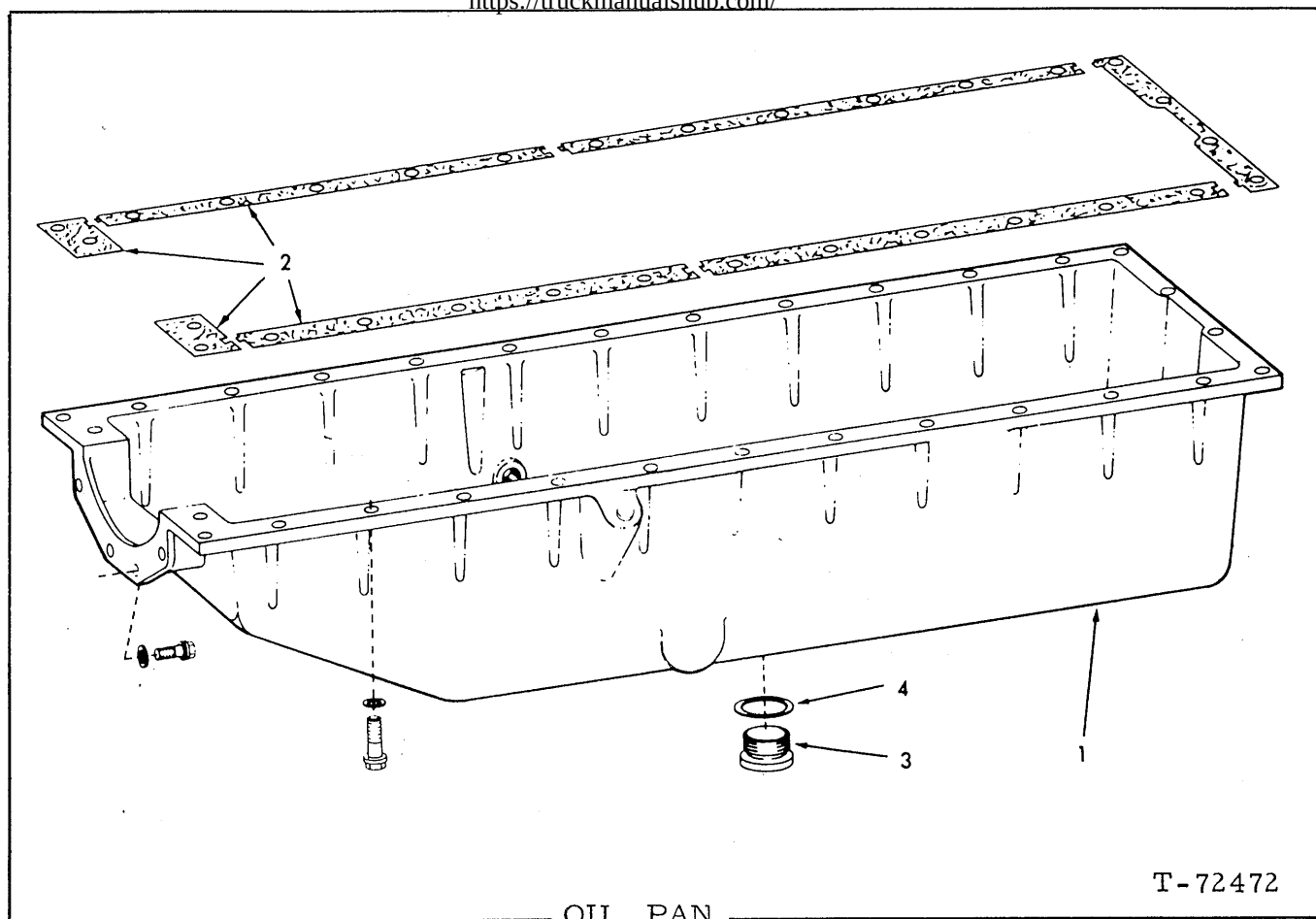
OIL PAN

T-39379

USAGE: Engines prior to serial No. 17-01756

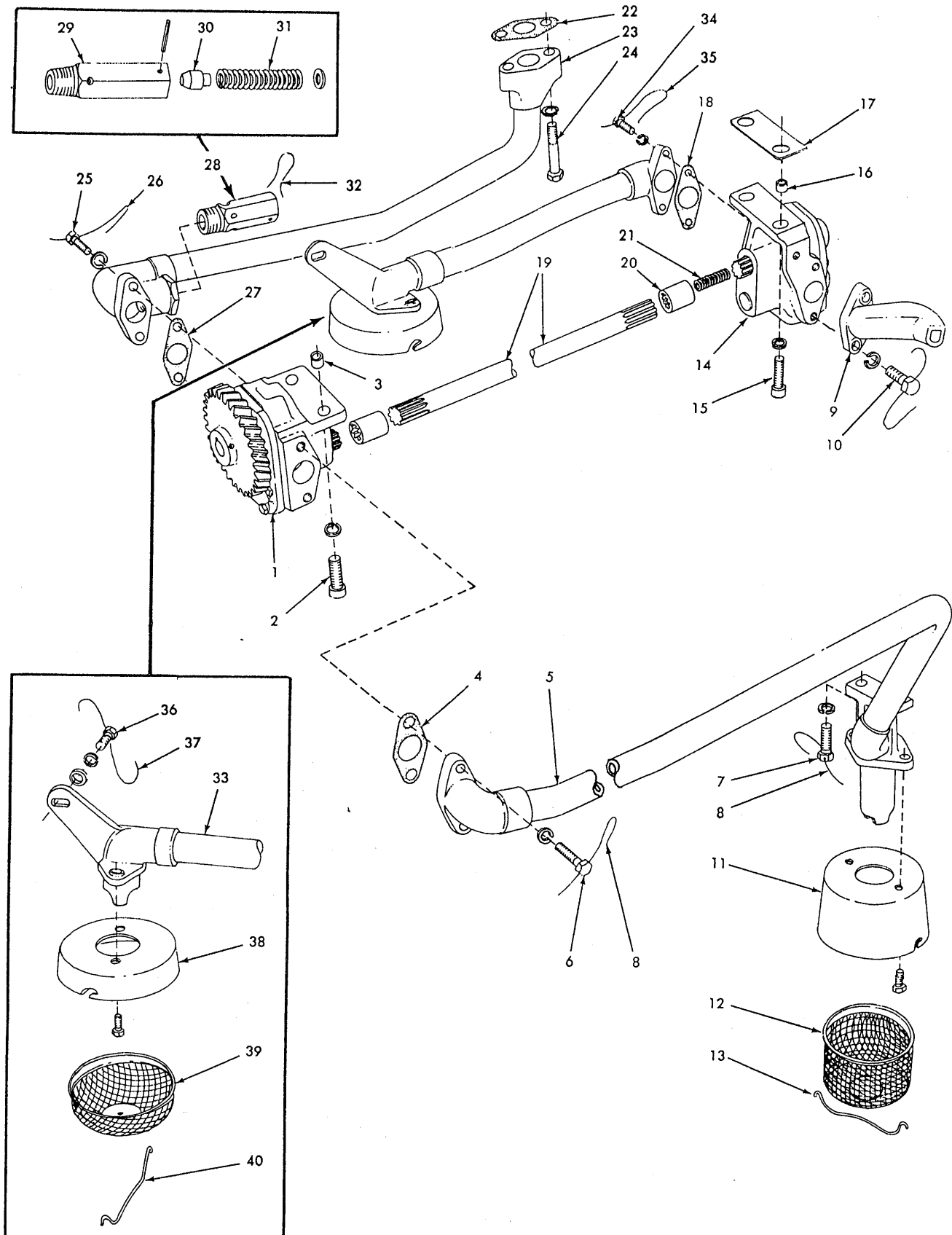
| ITEM | PART NO.        | QTY. | DESCRIPTION                         |
|------|-----------------|------|-------------------------------------|
| 1    | 74391646        | 1    | PAN, oil, upper section             |
|      | 70919840        | 1    | PLUG, pipe, hex-hd., 1/4"NPT        |
|      | 70916314        | 23   | CAPSCREW, 1/2"NC x 2"               |
|      | 70915987        | 1    | CAPSCREW, 1/2"NC x 1-1/2"           |
|      | 70922065        | 2    | SCREW, 12-pt. head, 1/2"NC x 1-1/4" |
|      | 70912333        | 26   | WASHER, plain                       |
| 2    | 74385796        | 1    | PLATE, oil baffle                   |
|      | 70915343        | 6    | CAPSCREW, 1/4"NC x 5/8"             |
|      | 70904204        | 6    | LOCKWASHER, 1/4"                    |
| 3    | <b>74395803</b> | 1    | GASKET SET, upper oil pan           |
| 4    | 74379070        | 1    | □SEAL, oil                          |
| 5    | 74385781        | 1    | GASKET SET, lower oil pan           |
| 6    | 74391390        | 1    | PAN, oil, lower section             |
|      | 70914847        | 26   | CAPSCREW, 3/8"NC x 1-1/2"           |
|      | 70911423        | 26   | WASHER, plain, 3/8"                 |
|      | 70916326        | 4    | CAPSCREW, 1/2"NC x 7-1/2"           |
|      | 70912333        | 4    | WASHER, plain, 1/2"                 |
| 7    | 70035250        | 1    | PLUG, oil drain                     |
| 8    | 70667252        | 1    | □GASKET, drain plug                 |
| 9    | 74371255        | 1    | PLATE, clean-out hole               |
|      | 70919224        | 8    | CAPSCREW, 3/8"NC x 1-1/8"           |
|      | 70904206        | 8    | LOCKWASHER, 3/8"                    |
| 10   | 74371289        | 1    | □GASKET, clean-out hole plate       |

(Revised September 1979)



USAGE: Engines S/N 17-01756 and up; also earlier engines with oil pump conversion kit.

| ITEM | PART NO. | QTY. | DESCRIPTION                       |                                                                                                                                |
|------|----------|------|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 1    | 74396471 | 1    | PAN, (aluminum)                   | For engines prior to S/N 17-03391<br>also order 1 Plug 70035250, 1<br>Gasket 70667252, 1 Plug 70921216,<br>and 1 Plug 74362338 |
|      | 74396124 | 1    | PAN, (cast iron)                  |                                                                                                                                |
|      | 70922064 | 4    | CAPSCREW, 12 pt., 1/2"NC x 1"     |                                                                                                                                |
|      | 70922220 | 30   | CAPSCREW, 12 pt., 1/2"NC x 1-1/2" |                                                                                                                                |
|      | 70912441 | 34   | LOCKWASHER, 1/2"                  |                                                                                                                                |
|      | 70924636 | 1    | PLUG, pipe, 1/2"NPT               |                                                                                                                                |
|      | 70918851 | 1    | PLUG, pipe, 3/4" NPT              |                                                                                                                                |
|      | 74362338 | 1    | PLUG, gauge hole                  |                                                                                                                                |
|      | 70921216 | 1    | PLUG (Includes O-Ring)            | } Engine #17-03391<br>and up                                                                                                   |
|      | 70921214 | 1    | O-RING                            |                                                                                                                                |
| 2    | 74395803 | 1    | GASKET SET                        |                                                                                                                                |
| 3    | 70035250 | 2    | PLUG, drain                       |                                                                                                                                |
| 4    | 70667252 | 2    | GASKET, drain plug                |                                                                                                                                |



OIL PUMPS

T-37208

USAGE: Engines prior to S/N 17-01756

| ITEM | PART NO. | QTY. | DESCRIPTION                                              |
|------|----------|------|----------------------------------------------------------|
| 1    | -----    | 1    | PUMP ASSY., pressure (See page 42 and NOTE below)        |
| 2    | 70912274 | 2    | CAPSCREW, hex-socket-hd., 7/16"NC x 1-1/2"               |
|      | 70904207 | 2    | LOCKWASHER, 7/16"                                        |
| 3    | 74371253 | 2    | DOWEL, hollow, pressure pump                             |
| 4    | 74389782 | 1    | □GASKET, pressure pump suction line                      |
| 5    | 74390362 | 1    | TUBE, suction, pressure pump                             |
| 6    | 74378558 | 2    | CAPSCREW, drilled-hd., 3/8"NC x 1-1/8"                   |
|      | 70904206 | 2    | LOCKWASHER, 3/8"                                         |
| 7    | 74377201 | 2    | CAPSCREW, drilled-hd., 7/16"NC x 1-1/4"                  |
|      | 70904207 | 2    | LOCKWASHER, 7/16"                                        |
| 8    | 74509035 | 2    | WIRE, locking, #18 x 10"                                 |
| 9    | 74388488 | 1    | TUBE, discharge, scavenging pump                         |
| 10   | 74335610 | 2    | CAPSCREW, drilled-hd., 3/8"NC x 1"                       |
|      | 70904206 | 2    | LOCKWASHER, 3/8"                                         |
|      | 74509035 | 1    | WIRE, locking, #18 x 10"                                 |
| 11   | 74389732 | 1    | COVER, pressure pump oil screen                          |
|      | 70915813 | 2    | CAPSCREW, 5/16"NC x 7/8"                                 |
| 12   | 74374127 | 1    | SCREEN, pressure oil pump                                |
| 13   | 74376294 | 1    | RETAINER, pressure oil pump screen                       |
| 14   | -----    | 1    | PUMP ASSY., scavenging (See page 43 and NOTE below)      |
| 15   | 70912274 | 2    | CAPSCREW, hex-socket-hd., 7/16"NC x 1-1/2"               |
|      | 70904207 | 2    | LOCKWASHER, 7/16"                                        |
| 16   | 74371253 | 2    | DOWEL, hollow, scavenging pump                           |
| 17   | 74386384 | 1    | SHIM, scavenging pump                                    |
| 18   | 74389782 | 1    | □GASKET, scavenging pump suction line                    |
| 19   | 74385537 | 1    | SHAFT, scavenging pump drive                             |
| 20   | 74385536 | 2    | COUPLING, splined, scavenging pump drive                 |
| 21   | 74385715 | 1    | SPRING, pump drive shaft                                 |
| 22   | 74660423 | 1    | □GASKET, discharge line to block                         |
| 23   | 74388261 | 1    | TUBE, pressure pump discharge                            |
| 24   | 70916314 | 2    | CAPSCREW, 1/2"NC x 2"                                    |
|      | 70904208 | 2    | LOCKWASHER, 1/2"                                         |
| 25   | 74378558 | 2    | CAPSCREW, drilled-hd., 3/8"NC x 1-1/8"                   |
|      | 70904206 | 2    | LOCKWASHER, 3/8"                                         |
| 26   | 74509035 | 1    | WIRE, locking, #18 x 10"                                 |
| 27   | 74389782 | 1    | □GASKET, discharge line to pump                          |
| 28   | 74354573 | 1    | VALVE ASSY., pressure relief (Includes items 29 thru 31) |
| 29   | -----    | 1    | BODY, pressure relief valve                              |
| 30   | -----    | 1    | PISTON, pressure relief valve                            |

} Not serviced separately

NOTE: Replacements for the original equipment pressure and scavenging pump assemblies (item 1 and 14) are no longer supplied. If replacement of either pump is necessary, install Oil Pump Conversion Kit 74394971. See PACKAGED PARTS.

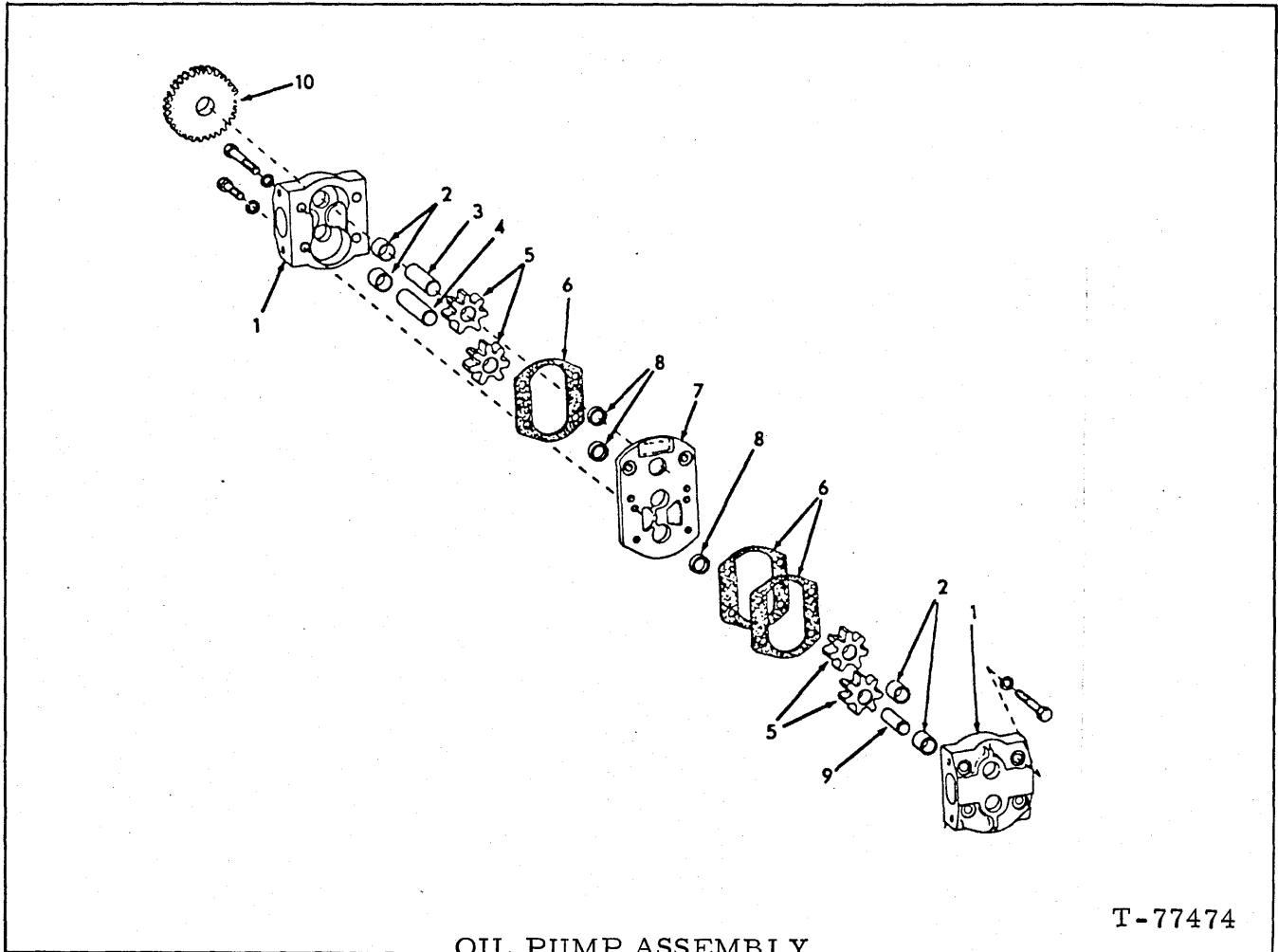
(Continued)

(Revised April 1980)



OIL PUMPS (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                            |
|------|----------|------|----------------------------------------|
| 31   | 74354568 | 1    | SPRING, pressure relief valve          |
|      | 74359310 | 1    | WASHER, plain                          |
|      | 70916001 | 1    | PIN, roll, 3/16" x 1"                  |
| 32   | 74509035 | 1    | WIRE, locking, pressure relief valve   |
| 33   | 74390328 | 1    | TUBE, suction, scavenging pump         |
| 34   | 74335548 | 2    | CAPSCREW, drilled-hd., 3/8"NC x 1-7/8" |
| 35   | 74509035 | 1    | WIRE, locking, #18 x 10"               |
| 36   | 74377202 | 1    | CAPSCREW, drilled-hd., 5/16"NC x 1"    |
|      | 70913755 | 1    | WASHER, plain                          |
|      | 70904206 | 2    | LOCKWASHER, 3/8"                       |
|      | 70904205 | 1    | LOCKWASHER, 5/16"                      |
| 37   | 74348691 | 1    | WIRE, locking #18 x 6"                 |
| 38   | 74348684 | 1    | COVER, scavenging pump screen          |
|      | 70915813 | 2    | CAPSCREW, 5/16"NC x 7/8"               |
| 39   | 74348683 | 1    | SCREEN, scavenging oil pump            |
| 40   | 74348682 | 1    | RETAINER, scavenging oil pump screen   |

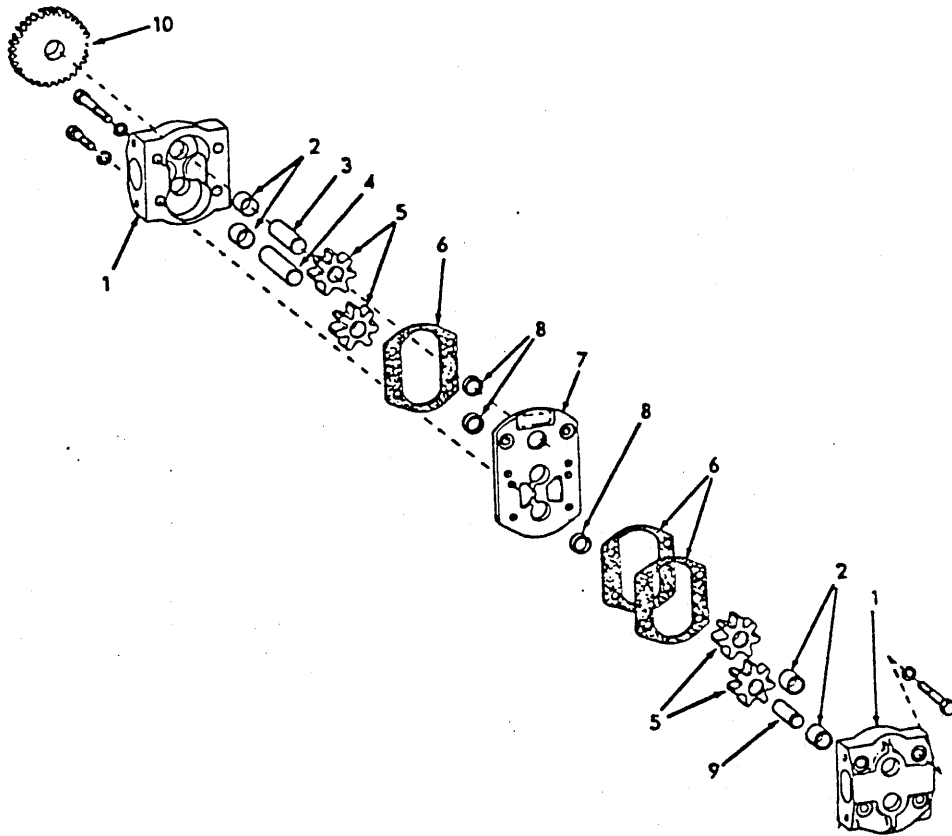


T-77474

# OIL PUMP ASSEMBLY

USAGE: Model 16000 and 17000 Model MK II engines

| ITEM | PART NO. | QTY. | DESCRIPTION                           |
|------|----------|------|---------------------------------------|
| -    | 74396859 | 1    | PUMP ASSY. (Includes items 1 thru 10) |
| 1    | 74396854 | 2    | BODY ASSY. (Includes item 2)          |
|      | 70920594 | 6    | CAPSCREW, 7/16"NF x 2"                |
|      | 70928211 | 2    | CAPSCREW, 7/16"NF x 3-3/4"            |
|      | 70907863 | 8    | LOCKWASHER, 7/16"                     |
| 2    | 74396899 | 4    | BUSHING (Includes instruction sheet)  |
| 3    | 74396107 | 1    | SHAFT                                 |
| 4    | 74396108 | 1    | SHAFT                                 |
| 5    | 74007877 | 4    | GEAR                                  |
| 6    | 74393349 | 3    | GASKET                                |
| 7    | 74396855 | 1    | PLATE ASSY. (Includes item 8)         |
| 8    | 74396899 | 3    | BUSHING (Includes instruction sheet)  |
| 9    | 74396109 | 1    | SHAFT                                 |
| 10   | 74393355 | 1    | GEAR, helical                         |

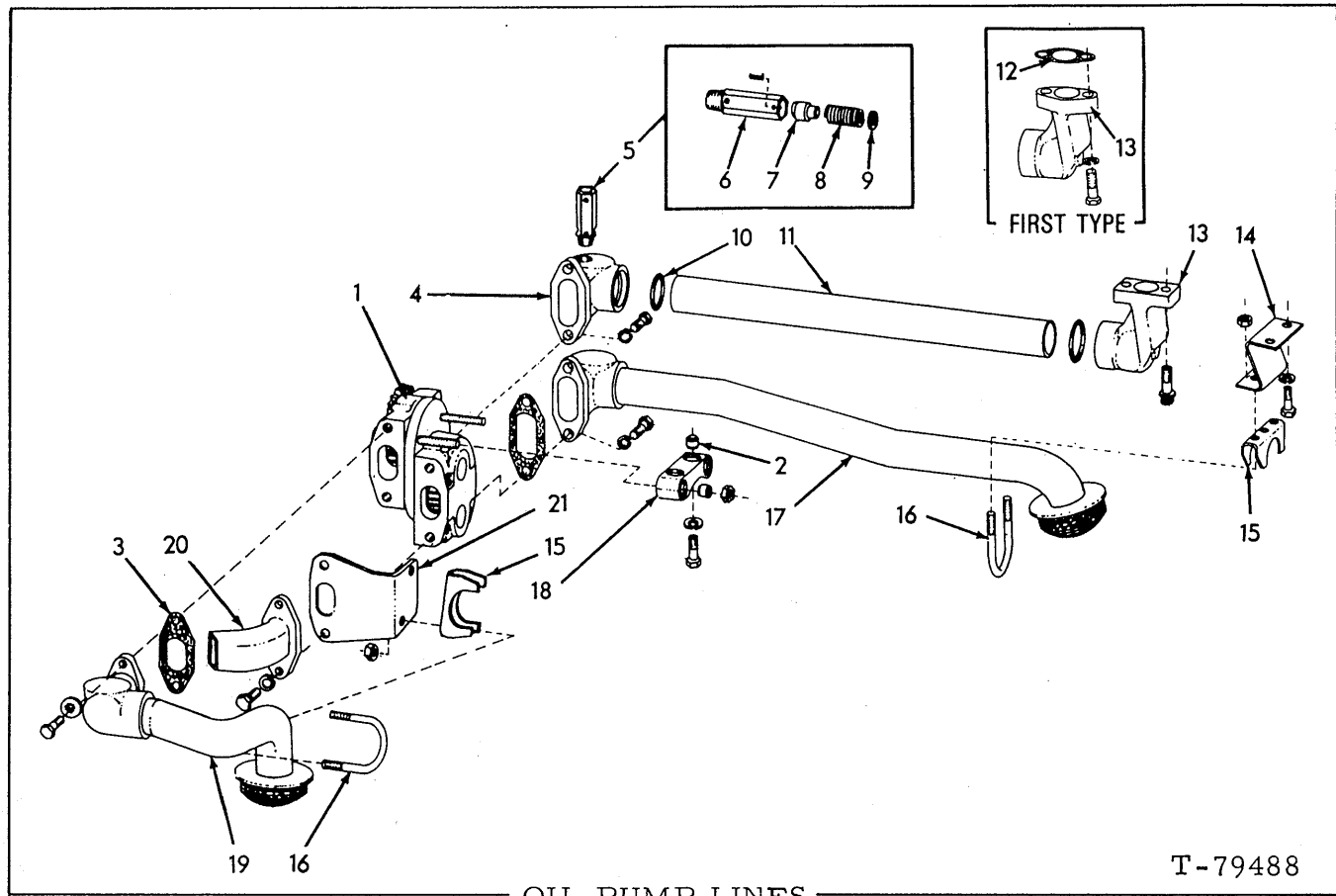


T-77474

OIL PUMP ASSEMBLY

USAGE: Model 6138 LT engines

| ITEM | PART NO. | QTY. | DESCRIPTION                           |
|------|----------|------|---------------------------------------|
| -    | 74396860 | 1    | PUMP ASSY. (Includes items 1 thru 10) |
| 1    | 74396854 | 2    | BODY ASSY. (Includes item 2)          |
|      | 70920594 | 6    | CAPSCREW, 7/16"NF x 2"                |
|      | 70928211 | 2    | CAPSCREW, 7/16"NF x 3-3/4"            |
|      | 70907863 | 8    | LOCKWASHER, 7/16"                     |
| 2    | 74396899 | 4    | BUSHING (Includes instruction sheet)  |
| 3    | 74396107 | 1    | SHAFT                                 |
| 4    | 74396108 | 1    | SHAFT                                 |
| 5    | 74007877 | 4    | GEAR                                  |
| 6    | 74393349 | 3    | GASKET                                |
| 7    | 74396855 | 1    | PLATE ASSY. (Includes item 8)         |
| 8    | 74396899 | 3    | BUSHING (Includes instruction sheet)  |
| 9    | 74396109 | 1    | SHAFT                                 |
| 10   | 74394667 | 1    | GEAR, spur                            |



OIL PUMP LINES

USAGE: Engine S/N 17-01756 and up; also 6138 LT engines; earlier engines with one-piece replacement oil pump and flat pan.

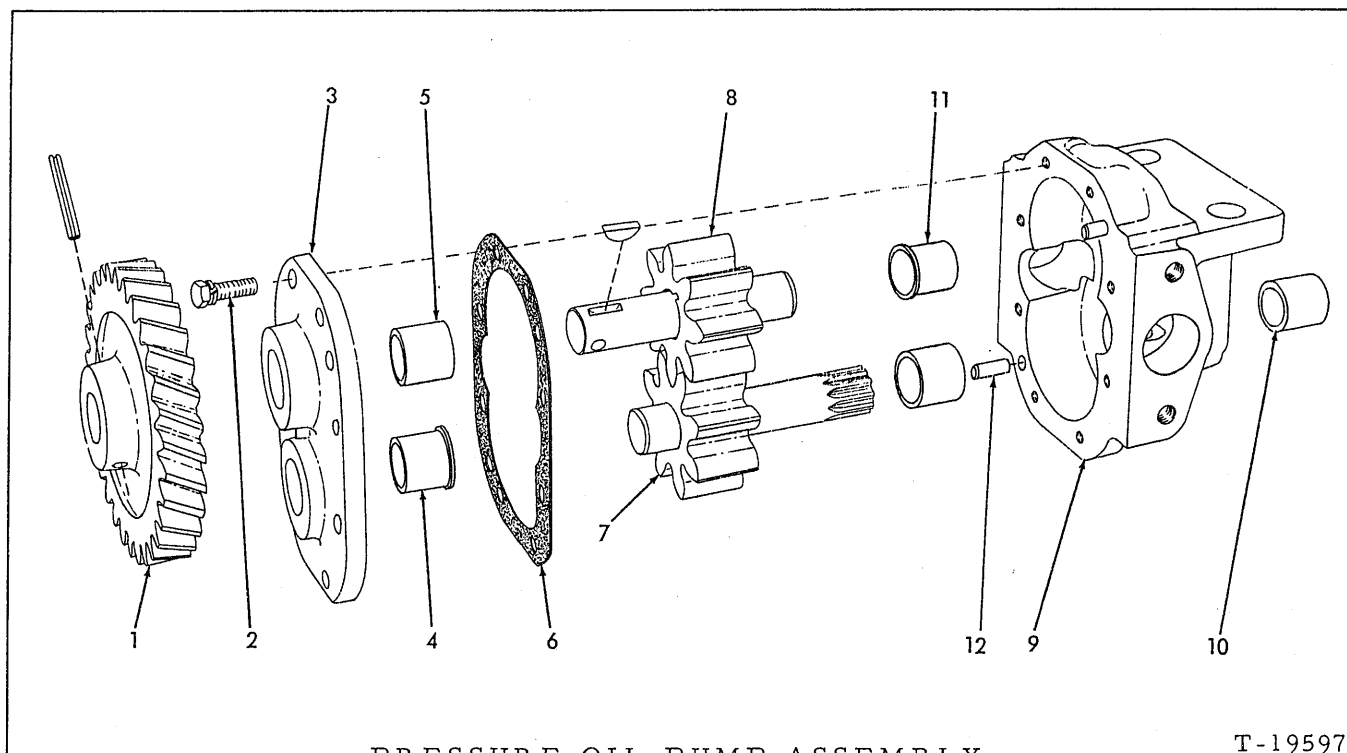
| ITEM | PART NO. | QTY. | DESCRIPTION                                                                  |
|------|----------|------|------------------------------------------------------------------------------|
| 1    | -----    | 1    | PUMP ASSY. (See page 39)                                                     |
|      | 70928212 | 2    | NUT, 7/16"NC                                                                 |
| 2    | 74395024 | 4    | DOWEL                                                                        |
| 3    | 74393359 | 4    | GASKET (2 less used effective engine #17-03998)                              |
| 4    | 74395971 | 1    | ELBOW                                                                        |
|      | 70923193 | 2    | CAPSCREW, 3/8"NF x 1-1/4" (Engine prior to S/N 17-05447)                     |
|      | 70924228 | 2    | CAPSCREW, 3/8"NF x 1-1/2" (Engine S/N 17-05447 and up; also 6138 LT engines) |
|      | 70910287 | 2    | LOCKWASHER, 3/8"                                                             |
| 5    | -----    | 1    | VALVE ASSY. (170 - 180 psi)(Stamped 4320597) (Order 74036462)                |
|      | 74036462 | 1    | VALVE ASSY. (120 - 130 psi)(Stamped 4028887) (Includes 6 thru 9)             |
| 6    | -----    | 1    | BODY (Not serviced separately)                                               |
|      | 70916001 | 1    | PIN, spring, 3/16" x 1"                                                      |
| 7    | -----    | 1    | PISTON (Not serviced separately)                                             |
| 8    | 74354568 | 1    | SPRING (170 - 180 psi)(Use 74028888)                                         |
|      | 74028888 | 1    | SPRING (120 - 130 psi)                                                       |
| 9    | 74359310 | 1    | WASHER                                                                       |
| 10   | 70927044 | 2    | O-RING                                                                       |
| 11   | 74393364 | 1    | TUBE                                                                         |
| 12   | 74660423 | 1    | GASKET (Engines prior to #17-03998)                                          |

(Continued)

OIL PUMP LINES (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                          |
|------|----------|------|------------------------------------------------------|
| 13   | 74393363 | 1    | ELBOW (Engines prior to #17-03998)                   |
|      | 70916313 | 2    | CAPSCREW, 1/2"NC x 1-3/4"                            |
|      | 70904208 | 2    | LOCKWASHER, 1/2"                                     |
|      | 74395053 | 1    | ELBOW (Engines #17-03998 and up)                     |
|      | 70922220 | 2    | CAPSCREW, 12-pt., 1/2"NC x 1-1/2"                    |
| 14   | 74393599 | 1    | BRACKET                                              |
|      | 70927485 | 2    | CAPSCREW, 7/16"NC x 1" (Engines prior to #17-04023)  |
|      | 70921569 | 2    | CAPSCREW, 7/16"NC x 1-1/4" (Engine #17-04023 and up) |
|      | 70914678 | 2    | LOCKWASHER, 7/16"                                    |
| 15   | 74393601 | 2    | SADDLE                                               |
| 16   | 74393600 | 2    | U-BOLT                                               |
|      | 70916871 | 4    | NUT, elastic stop, 5/16"NC                           |
| 17   | 74395973 | 1    | TUBE (Includes screen)                               |
|      | 70923193 | 2    | CAPSCREW, 3/8"NF x 1-1/4"                            |
|      | 70910287 | 2    | LOCKWASHER, 3/8"                                     |
| 18   | 74393341 | 1    | BRACKET                                              |
|      | 70927583 | 2    | CAPSCREW, 7/16"NC x 1-3/4"                           |
|      | 70904207 | 2    | LOCKWASHER, 7/16"                                    |
|      | 70911992 | 2    | WASHER                                               |
| 19   | 74395974 | 1    | TUBE (Includes screen)                               |
|      | 70923193 | 2    | CAPSCREW, 3/8"NF x 1-1/4"                            |
|      | 70910287 | 2    | LOCKWASHER, 3/8"                                     |
| 20   | 74394957 | 1    | ELBOW                                                |
|      | 70923193 | 2    | CAPSCREW, 3/8"NF x 1-1/4"                            |
|      | 70910287 | 2    | LOCKWASHER, 3/8"                                     |
| 21   | 74395062 | 1    | BRACKET (Engines #17-04023 and up)                   |

(Revised August 1980)

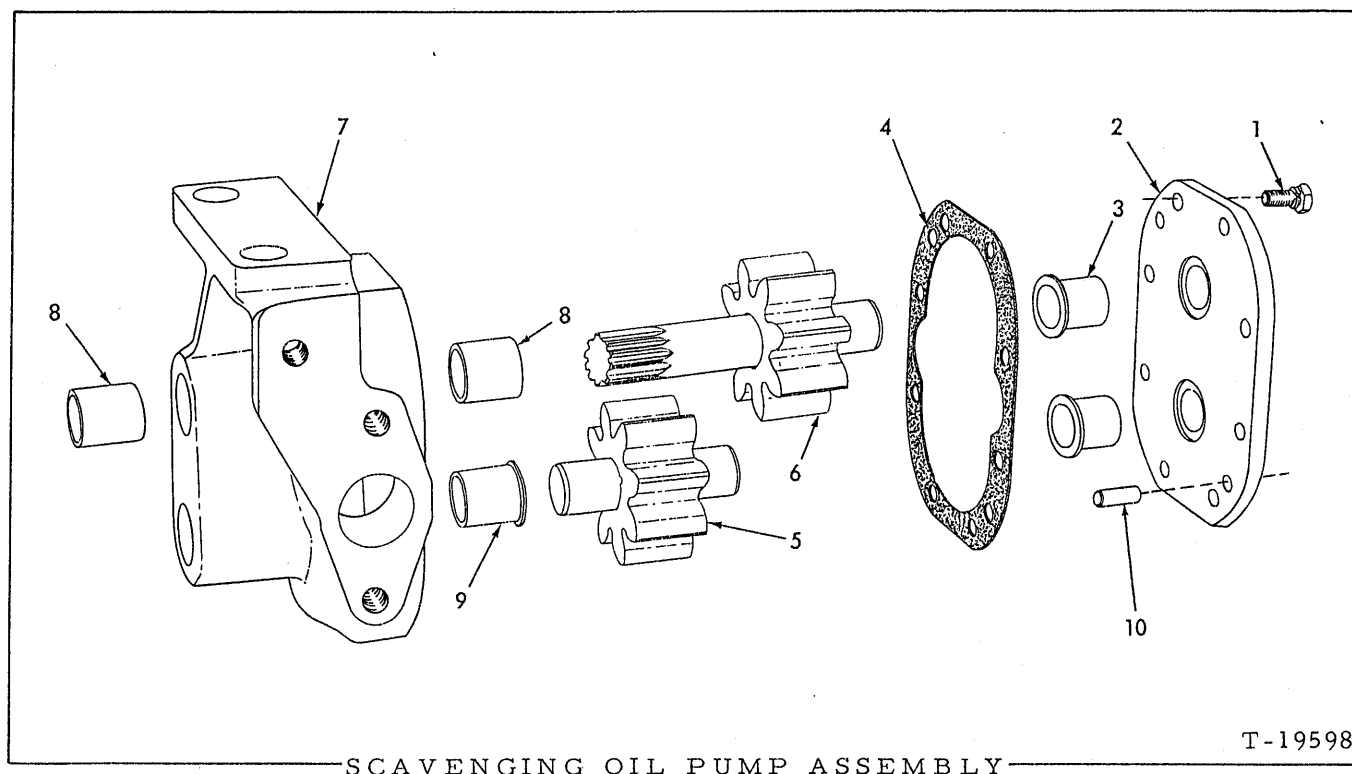


PRESSURE OIL PUMP ASSEMBLY

T-19597

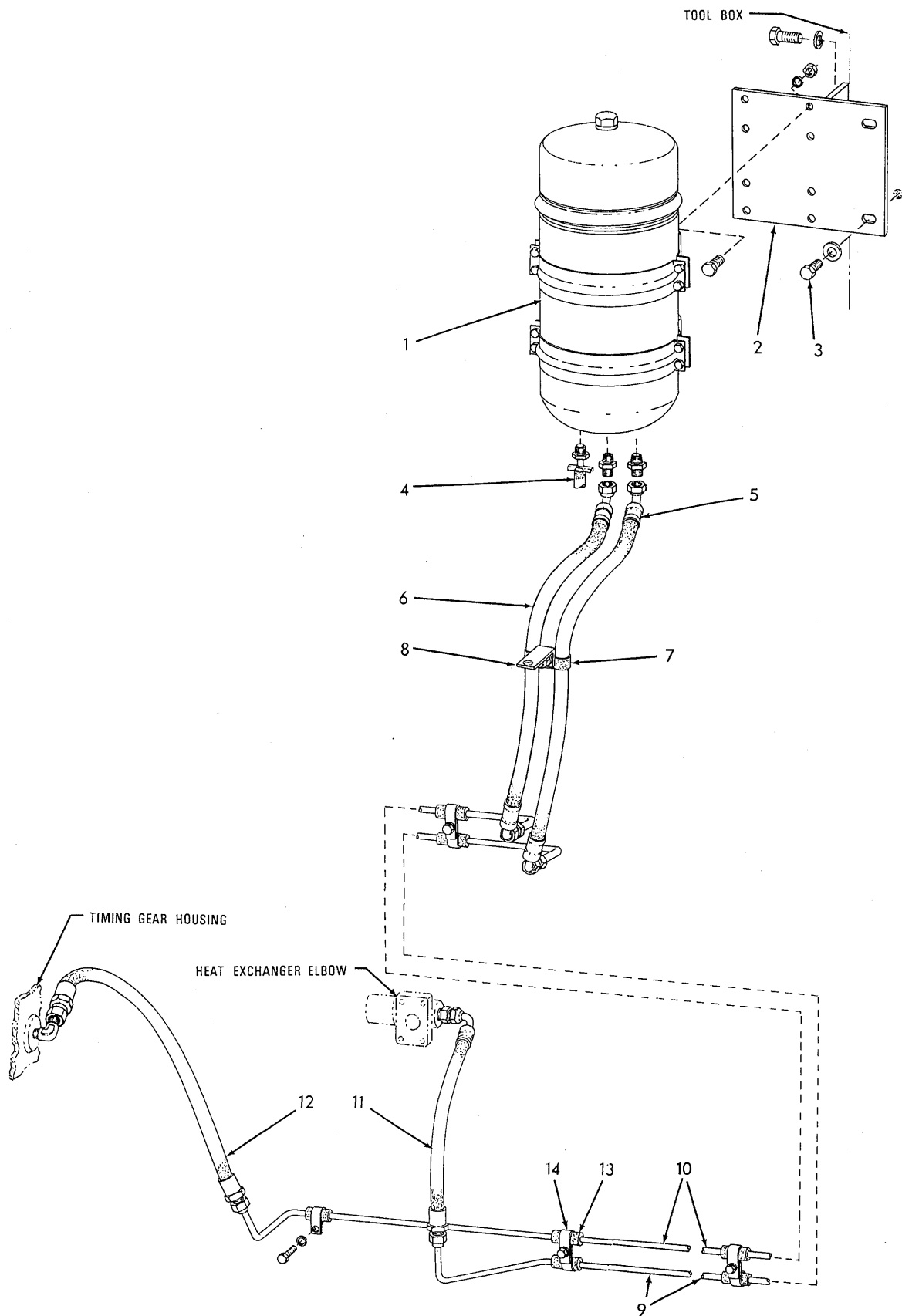
USAGE: See page 37

| ITEM | PART NO. | QTY. | DESCRIPTION                                             |
|------|----------|------|---------------------------------------------------------|
| -    | 74390252 | 1    | PUMP & SY., oil, pressure (Consists of items 1 thru 12) |
| 1    | 74386088 | 1    | GEAR, driving                                           |
|      | 70915751 | 1    | PIN, spring, 3/16" x 1-1/2"                             |
|      | 70910224 | 1    | KEY, #6 woodruff, 5/32" x 5/8"                          |
| 2    | 70923408 | 8    | CAPSCREW, pump cover (Includes lockwasher)              |
| 3    | 74386077 | 1    | COVER ASSY. (Includes items 4 and 5)                    |
| 4    | 74377038 | 1    | BUSHING, pump cover (flanged)                           |
| 5    | 74371270 | 1    | BUSHING, pump cover (plain)                             |
| 6    | 74386083 | 1    | GASKET, cover                                           |
| 7    | 74379415 | 1    | SHAFT AND GEAR ASSY., lower                             |
| 8    | 74390067 | 1    | SHAFT AND GEAR ASSY., upper                             |
| 9    | 74390064 | 1    | BODY ASSY. (Includes items 10 thru 12)                  |
| 10   | 74371270 | 2    | BUSHING, pump body (plain)                              |
| 11   | 74377039 | 1    | BUSHING, pump body (flanged)                            |
| 12   | 70917555 | 2    | PIN, dowel, pump body                                   |



USAGE: See page 37

| ITEM | PART NO. | QTY. | DESCRIPTION                                               |
|------|----------|------|-----------------------------------------------------------|
| -    | 74390098 | 1    | PUMP ASSY., oil, scavenging (consists of items 1 thru 10) |
| 1    | 70923408 | 8    | CAPSCREW, pump cover                                      |
| 2    | 74377050 | 1    | COVER ASSY. (Includes item 3)                             |
| 3    | 74377039 | 2    | BUSHING, pump cover                                       |
| 4    | 74371300 | 1    | GASKET, pump cover                                        |
| 5    | 74377054 | 1    | SHAFT AND GEAR ASSY., lower                               |
| 6    | 74379610 | 1    | SHAFT AND GEAR ASSY., upper                               |
| 7    | 74390097 | 1    | BODY ASSY. (Includes items 8 thru 10)                     |
| 8    | 74371270 | 2    | BUSHING, pump body (plain)                                |
| 9    | 74377039 | 1    | BUSHING, pump body (flanged)                              |
| 10   | 70917555 | 2    | PIN, dowel, pump body                                     |



OIL FILTER LINES (By-pass Type)

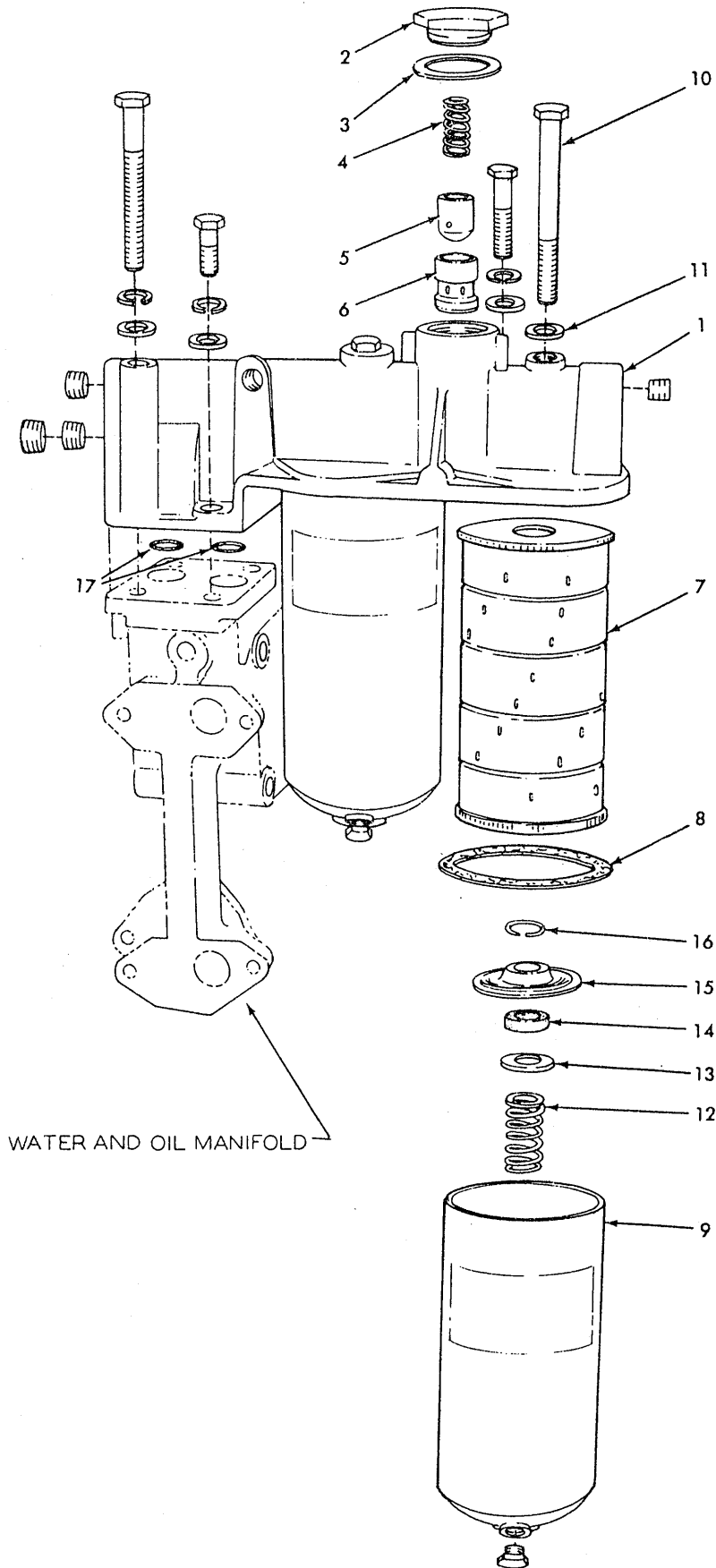
T-75753



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OIL FILTER LINES  
(By-pass Type)

| ITEM | PART NO. | QTY. | DESCRIPTION                                    |                                                          |
|------|----------|------|------------------------------------------------|----------------------------------------------------------|
| 1    | -----    | 1    | FILTER ASSY. (See page 48)                     |                                                          |
|      | 70921566 | 8    | CAPSCREW, 5/16"NC x 1"                         | } Not for units with<br>dozer hydraulics                 |
|      | 70910286 | 8    | LOCKWASHER, 5/16"                              |                                                          |
|      | 70911025 | 8    | NUT, 5/16"NC                                   | } For units with<br>dozer hydraulics                     |
|      | 70927612 | 8    | CAPSCREW, 5/16"NC x 5/8"                       |                                                          |
|      | 70910286 | 8    | LOCKWASHER, 5/16"                              |                                                          |
| 2    | 70665890 | 1    | BRACKET, mounting                              | } Not used on units<br>equipped with dozer<br>hydraulics |
| 3    | 70920583 | 3    | CAPSCREW, 1/2"NC x 1-1/2"                      |                                                          |
|      | 70677008 | 3    | WASHER, plain                                  |                                                          |
|      | 70912441 | 3    | LOCKWASHER, 1/2"                               |                                                          |
|      | 70911028 | 3    | NUT, 1/2"NC                                    |                                                          |
| 4    | 70667676 | 1    | HOSE, oil drain                                |                                                          |
| 5    | 70663134 | 1    | HOSE, oil supply line, rear (See HOSE PARTS)   |                                                          |
|      | 70919128 | 1    | CONNECTOR, flare type, 1/2" tube, 1/2"NPT male |                                                          |
| 6    | 70663145 | 1    | HOSE, oil return line, rear (See HOSE PARTS)   |                                                          |
|      | 70919128 | 1    | CONNECTOR, flare type, 1/2" tube, 1/2"NPT male |                                                          |
| 7    | 70622992 | 2    | CLIP, hose supporting                          |                                                          |
|      | 70922262 | 1    | CAPSCREW, 3/8"NC x 7/8"                        |                                                          |
|      | 70911115 | 1    | WASHER, plain, SAE std., 3/8"                  |                                                          |
|      | 70910287 | 1    | LOCKWASHER, 3/8"                               |                                                          |
|      | 70911026 | 1    | NUT, 3/8"NC                                    |                                                          |
| 8    | 70633496 | 1    | ANGLE, hose supporting                         |                                                          |
| 9    | 70663154 | 1    | TUBE ASSY., oil supply (Includes nuts)         |                                                          |
| 10   | 70663153 | 1    | TUBE ASSY., oil return (Includes nuts)         |                                                          |
| 11   | 70667719 | 1    | HOSE, oil supply line, front (See HOSE PARTS)  |                                                          |
|      | 70919063 | 1    | CONNECTOR, flare type, 1/2" tube, 3/8"NPT male |                                                          |
| 12   | 70667718 | 1    | HOSE, oil return line, front (See HOSE PARTS)  |                                                          |
|      | 70919206 | 1    | ELBOW, flare type, 1/2" tube, 3/8"NPT male     |                                                          |
| 13   | 70093752 | 7    | BOOT, tube protecting (rubber)                 |                                                          |
| 14   | 70097534 | 7    | CLIP, tube supporting                          |                                                          |
|      | 70922300 | 4    | CAPSCREW, 3/8"NC x 3/4"                        |                                                          |
|      | 70910287 | 4    | LOCKWASHER, 3/8"                               |                                                          |
|      | 70911115 | 4    | WASHER, plain, SAE std., 3/8"                  |                                                          |

NOTE: See PAINTING AND MARKING for  
instruction transfers applied to filter.



WATER AND OIL MANIFOLD

OIL FILTER (Full-flow type)

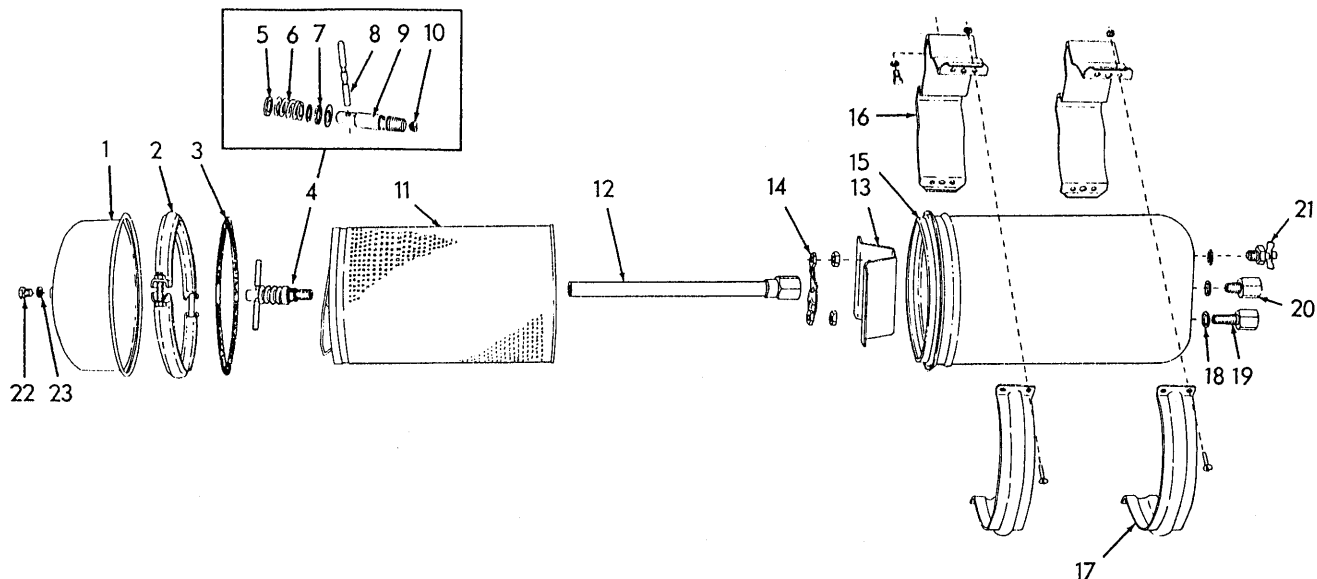
T-70444

OIL FILTER (Full-flow type)

| ITEM | PART NO. | QTY. | DESCRIPTION                                |
|------|----------|------|--------------------------------------------|
| 1    | 74395610 | 1    | HEAD ASSY. (Includes PLUGS indented below) |
|      | 70918888 | 3    | PLUG, pipe, hex-socket, 1"                 |
|      | 70918697 | 1    | PLUG, pipe, hex-socket, 1-1/4"             |
|      | 70916317 | 4    | CAPSCREW, 1/2"NC x 2-3/4"                  |
|      | 70916323 | 2    | CAPSCREW, 1/2"NC x 5-1/2"                  |
|      | 70912333 | 6    | WASHER                                     |
|      | 70904208 | 6    | LOCKWASHER, 1/2"                           |
| 2    | 74388810 | 1    | CAP, by-pass valve                         |
| 3    | 74388848 | 1    | GASKET, by-pass valve cap                  |
| 4    | 74359656 | 1    | SPRING, by-pass valve                      |
| 5    | 74373613 | 1    | PISTON, by-pass valve                      |
| 6    | 74388809 | 1    | SLEEVE, by-pass valve piston               |
| 7    | 74395889 | 2    | ELEMENT KIT (Includes item 8)              |
| 8    | 74396318 | 2    | GASKET, filter body                        |
| 9    | 74339021 | 2    | BODY                                       |
|      | 70918951 | 2    | PLUG, pipe, hex-hd., 3/8"NPT               |
| 10   | 70916324 | 2    | CAPSCREW, 1/2"NC x 6"                      |
| 11   | 74376749 | 2    | WASHER, sealing, body retaining capscrew   |
| 12   | 74379268 | 2    | SPRING, element                            |
| 13   | 74053410 | 2    | WASHER, element seal                       |
| 14   | 74053409 | 2    | SEAL, element                              |
| 15   | 74055971 | 2    | ADAPTOR, element                           |
| 16   | 74379269 | 2    | RING, snap                                 |
| 17   | 74255631 | 2    | O-RING, filter to manifold                 |

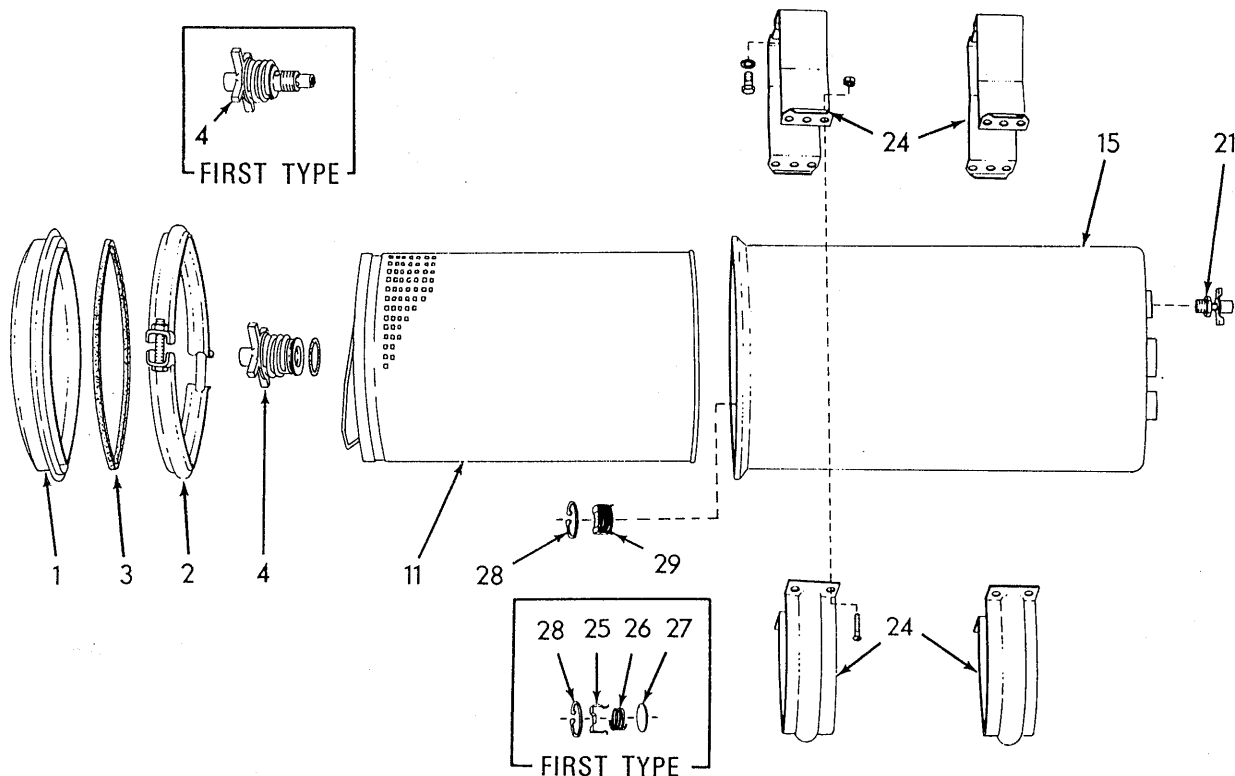
NOTE: See PAINTING AND MARKING for instruction  
transfer applied to filter

(Revised September 1979)



LUBER-FINER DESIGN

T-74660



FLEETGUARD DESIGN

OIL FILTER (By-pass type)

T-76480

USAGE: See page 45

NOTE: This Filter Assembly is available in two designs, "Fleetguard" and "Luber-Finer". Check which is applicable to your unit and order service parts accordingly.

\*Luber-Finer Design

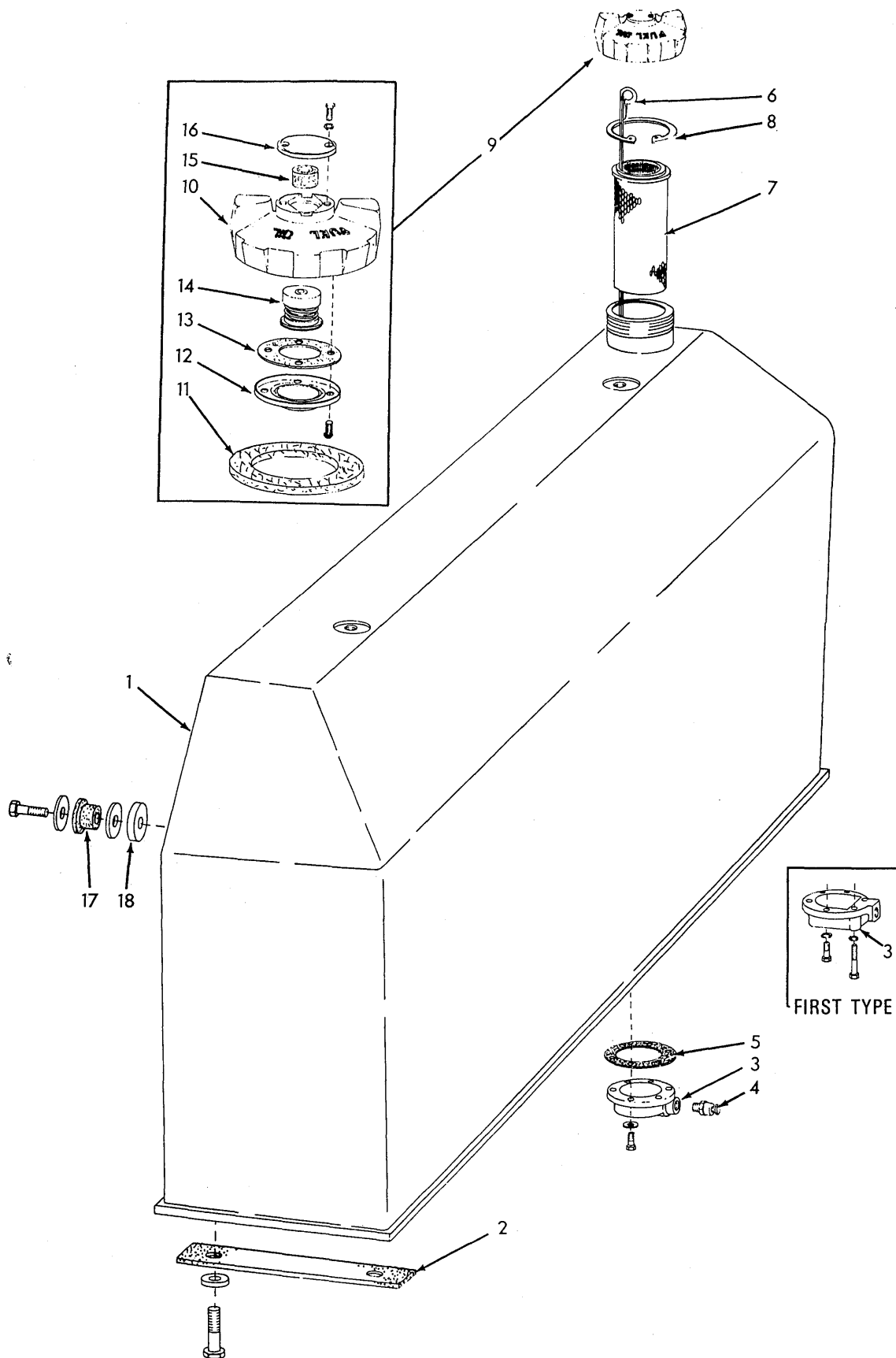
\*\*Fleetguard Design

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                                                     |
|------|----------|------|-----------------------------------------------------------------------------------------------------------------|
|      |          | * ** |                                                                                                                 |
| -    | 74390593 | 1 -  | FILTER ASSY. (Includes items 1 thru 23)                                                                         |
| -    | 74390593 | - 1  | FILTER ASSY. (Includes 1 thru 4, 11, 15, 21, 24 thru 29)                                                        |
| 1    | 74059262 | 1 -  | COVER                                                                                                           |
|      | 74059813 | - 1  | COVER                                                                                                           |
| 2    | 70630540 | 1 -  | RING ASSY. (Includes nut and bolt)                                                                              |
|      | 74059814 | - 1  | COUPLING ASSY. (Includes hardware. Serviced only as a unit)                                                     |
| 3    | 70082449 | 1 -  | GASKET                                                                                                          |
|      | 73115065 | - 1  | GASKET                                                                                                          |
| 4    | 74059266 | 1 -  | HOLD-DOWN ASSY. (Includes items 5 thru 10)                                                                      |
|      | 74060691 | - 1  | SUPPORT ASSY. (Male thread post) (First type)                                                                   |
|      | 74061788 | - 1  | SUPPORT ASSY. (Female thread post) (Second type)                                                                |
| 5    | 70082489 | 3 -  | WASHER                                                                                                          |
| 6    | 70082490 | 1 -  | SPRING                                                                                                          |
| 7    | 70082487 | 1 -  | SEAL                                                                                                            |
| 8    | 70082488 | 1 -  | HANDLE                                                                                                          |
| 9    | -----    | 1 -  | STUD (Not serviced separately)                                                                                  |
| 10   | 74059265 | 1 -  | PLUG                                                                                                            |
| 11   | 74059343 | 1 1  | ELEMENT                                                                                                         |
| 12   | 74059264 | 1 -  | TUBE ASSY. (Includes nut)                                                                                       |
| 13   | 70096816 | 1 -  | SUPPORT                                                                                                         |
|      | 70911049 | 2 -  | NUT, jam, 5/8"NF                                                                                                |
| 14   | 70096815 | 1 -  | RETAINER                                                                                                        |
| 15   | -----    | 1 -  | HOUSING (Not serviced separately)                                                                               |
|      | -----    | - 1  | SHELL (Female thread post)(First type)(For initial replacement order SHELL 74061785 and SUPPORT ASSY. 74061788) |
|      | 74061785 | - 1  | SHELL (Male thread post)(Second type)                                                                           |
| 16   | 70082444 | 2 -  | BRACKET                                                                                                         |
| 17   | 70082443 | 2 -  | BAND                                                                                                            |
|      | 70915406 | 8 -  | CAPSCREW, 1/4"NC x 3/4"                                                                                         |
|      | 70911024 | 8 -  | NUT, 1/4"NC                                                                                                     |
| 18   | 70063891 | 3 -  | GASKET                                                                                                          |
| 19   | 70063890 | 1 -  | VALVE ASSY. (Includes 1 spring, 1 ring, 1 cup. Serviced only as a unit)                                         |
| 20   | 70080758 | 1 -  | VALVE ASSY. (Includes 1 spring, 1 ring, 1 cup. Serviced only as a unit)                                         |
| 21   | 74060755 | 1 -  | COCK                                                                                                            |
|      | 70229210 | - 1  | COCK                                                                                                            |
| 22   | 70084897 | 1 -  | PLUG                                                                                                            |

(Continued)

## OIL FILTER (By-pass type)(Continued)

| ITEM | PART NO. | QTY.<br>* ** | DESCRIPTION                                                            |
|------|----------|--------------|------------------------------------------------------------------------|
| 23   | 70084899 | 1 -          | WASHER                                                                 |
| 24   | 74061786 | - 1          | BRACKET ASSY. (2-piece, includes hardware.<br>Serviced only as a unit) |
| 25   | 74059810 | - 1          | CAGE                                                                   |
| 26   | 74059811 | - 1          | SPRING                                                                 |
| 27   | 74059812 | - 1          | DISC                                                                   |
| 28   | 74253555 | - 1          | RING                                                                   |
| 29   | 74061789 | - 1          | VALVE, check                                                           |



FUEL TANK

T-75077

# FUEL TANK

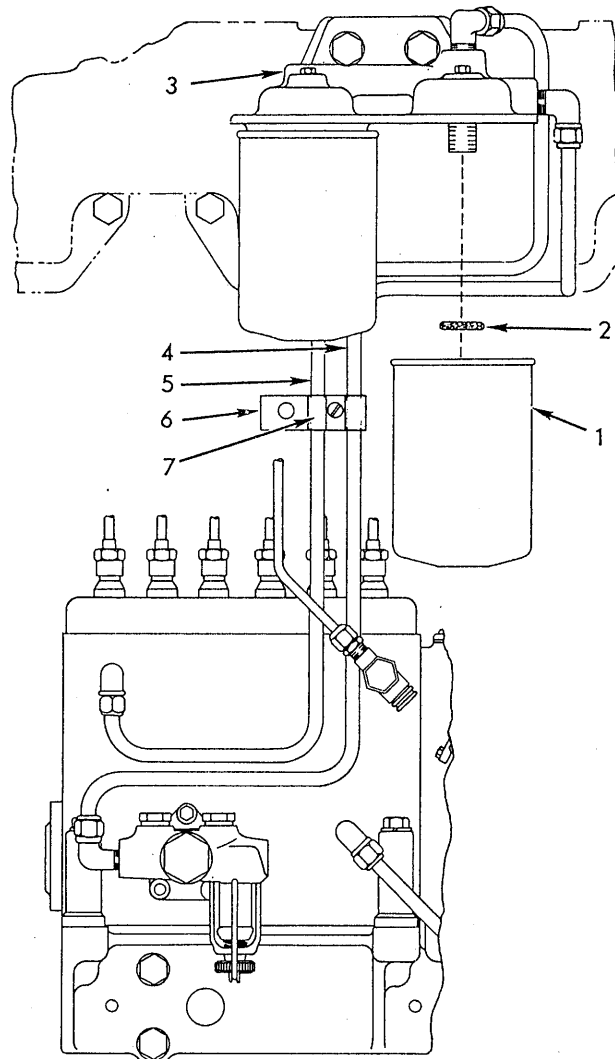
| ITEM | PART NO. | QTY. | DESCRIPTION                                          |
|------|----------|------|------------------------------------------------------|
| 1    | 70664682 | 1    | TANK, fuel (Includes items with symbol Δ)            |
|      | 70928291 | 8    | CAPSCREW, 3/4"NC x 2-1/2"                            |
|      | 70677012 | 8    | WASHER                                               |
| 2    | 70664887 | 4    | PAD, tank mounting (fabric)                          |
| 3    | 70662132 | 1    | COVER, fuel tank drain                               |
|      | 70922763 | 4    | CAPSCREW, 3/8"NC x 1"                                |
|      | 70920995 | 2    | CAPSCREW, 3/8"NC x 2"                                |
|      | 70910287 | 6    | LOCKWASHER, 3/8"                                     |
|      | 70695807 | 1    | ΔCOVER, fuel tank drain                              |
|      | 70922262 | 6    | ΔCAPSCREW, 3/8"NC x 7/8"                             |
|      | 70930370 | 6    | ΔWASHER                                              |
| 4    | 70633519 | 1    | ΔCOCK, drain                                         |
| 5    | 70656227 | 1    | ΔGASKET, drain cover                                 |
| 6    | 70664075 | 1    | GAUGE, fuel level                                    |
| 7    | 70650509 | 1    | STRAINER, fuel filler                                |
| 8    | 70654840 | 1    | RING, snap, fuel strainer                            |
| 9    | 70668252 | 1    | ΔCAP ASSY., fuel tank (Consists of items 10 thru 16) |
| 10   | -----    | 1    | CAP only (Not serviced separately)                   |
| 11   | 70668263 | 1    | GASKET, cap                                          |
| 12   | 70668806 | 1    | SEAT, relief valve                                   |
|      | 70926699 | 4    | SCREW, fil-hd., brass, #10-24NC x 3/8"               |
| 13   | 70668804 | 1    | GASKET, valve seat                                   |
| 14   | 70668805 | 1    | VALVE ASSY., relief (Serviced only as a unit)        |
| 15   | 70664867 | 1    | ELEMENT, air filter                                  |
| 16   | 70668262 | 1    | COVER, tank cap                                      |
|      | 70921181 | 2    | SCREW ASSY., #10-24NC x 1/2" (Includes lockwasher)   |
| 17   | 70642441 | 4    | SNUBBER, vibration                                   |
|      | 70916422 | 4    | CAPSCREW, 1/2"NF x 2-3/4"                            |
|      | 70929379 | 8    | WASHER                                               |
| 18   | 70061528 | 4    | BOSS, spacing                                        |

Tractors prior to unit #14812

Tractor unit #14812 and up

ΔComponents of item one





FUEL FILTER

T-75825

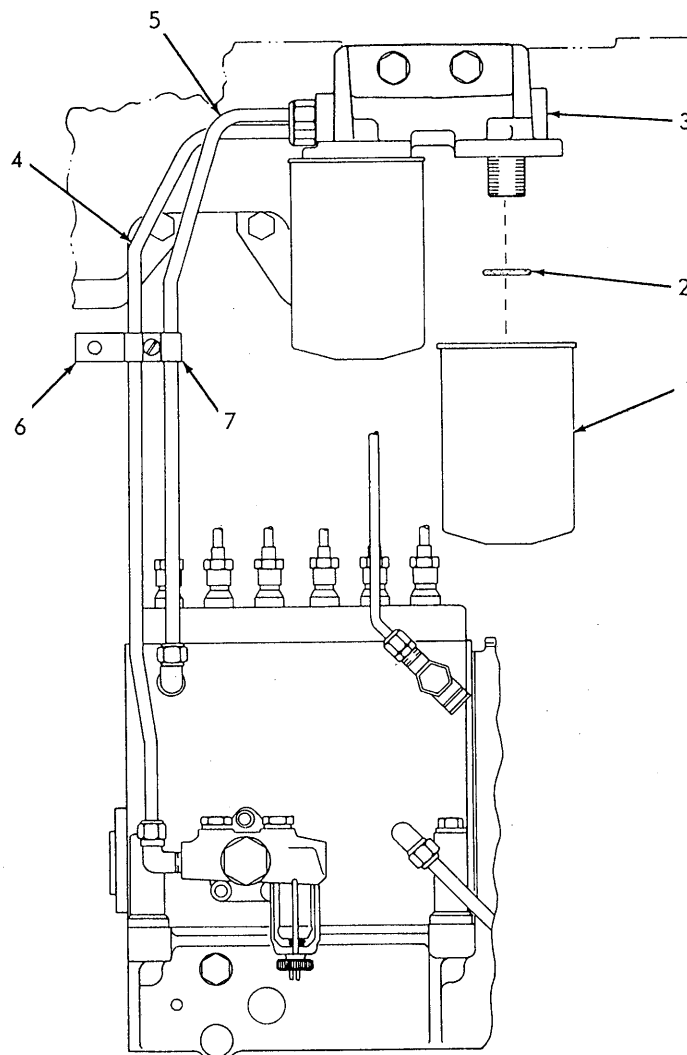
USAGE: Engines prior to serial No. 17-01843

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                                      |
|------|----------|------|--------------------------------------------------------------------------------------------------|
| 1    | 74028945 | 2    | ELEMENT, filter (Includes item 2)                                                                |
| 2    | -----    | 2    | O-RING (Not serviced separately)                                                                 |
| 3    | 74392498 | 1    | BASE ASSY., filter (Includes Plug and Inserts not serviced separately; and PLUGS indented below) |
|      | 70919134 | 2    | PLUG, pipe, hex-hd., hd., 1/8"NPT                                                                |
|      | 70919230 | 2    | CAPSCREW, 1/2"NC x 1-3/8"                                                                        |
|      | 70904208 | 2    | LOCKWASHER, 1/2"                                                                                 |
|      | 70912007 | 2    | WASHER, plain, 1/2"                                                                              |
| 4    | 74392482 | 1    | TUBE ASSY. (Includes SLEEVES and NUTS)                                                           |
|      | 70917810 | 2    | NUT, Imperial, 3/8" tube                                                                         |
|      | 70917807 | 2    | SLEEVE, Imperial, 3/8" tube (rubber)                                                             |
|      | 70919005 | 1    | ELBOW, Imperial, 3/8" tube, 3/8"PT (at filter base)                                              |
|      | 70920280 | 1    | ELBOW, Imperial, 3/8" tube, 1/4"PT (at transfer pump)                                            |

(Continued)

FUEL FILTER (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                         |
|------|----------|------|-----------------------------------------------------|
| 5    | 74392486 | 1    | TUBE ASSY. (Includes SLEEVE and NUTS)               |
|      | 70917810 | 2    | NUT, Imperial, 3/8" tube                            |
|      | 70917807 | 2    | SLEEVE, Imperial, 3/8" tube (rubber)                |
|      | 70919005 | 1    | ELBOW, Imperial, 3/8" tube, 3/8"PT (at filter base) |
|      | 70920280 | 1    | ELBOW, Imperial, 3/8" tube, 1/4"PT (at fuel pump)   |
| 6    | 74392801 | 1    | SUPPORT, clip                                       |
| 7    | 74394178 | 1    | CLIP                                                |
|      | 70912226 | 1    | SCREW, fil. hd., 1/4"NC x 5/8"                      |
|      | 70904204 | 1    | LOCKWASHER, 1/4"                                    |
|      | 70910880 | 1    | NUT, 1/4"NC                                         |



T-78098

FUEL FILTER

USAGE: Engine serial No. 17-01843 - up

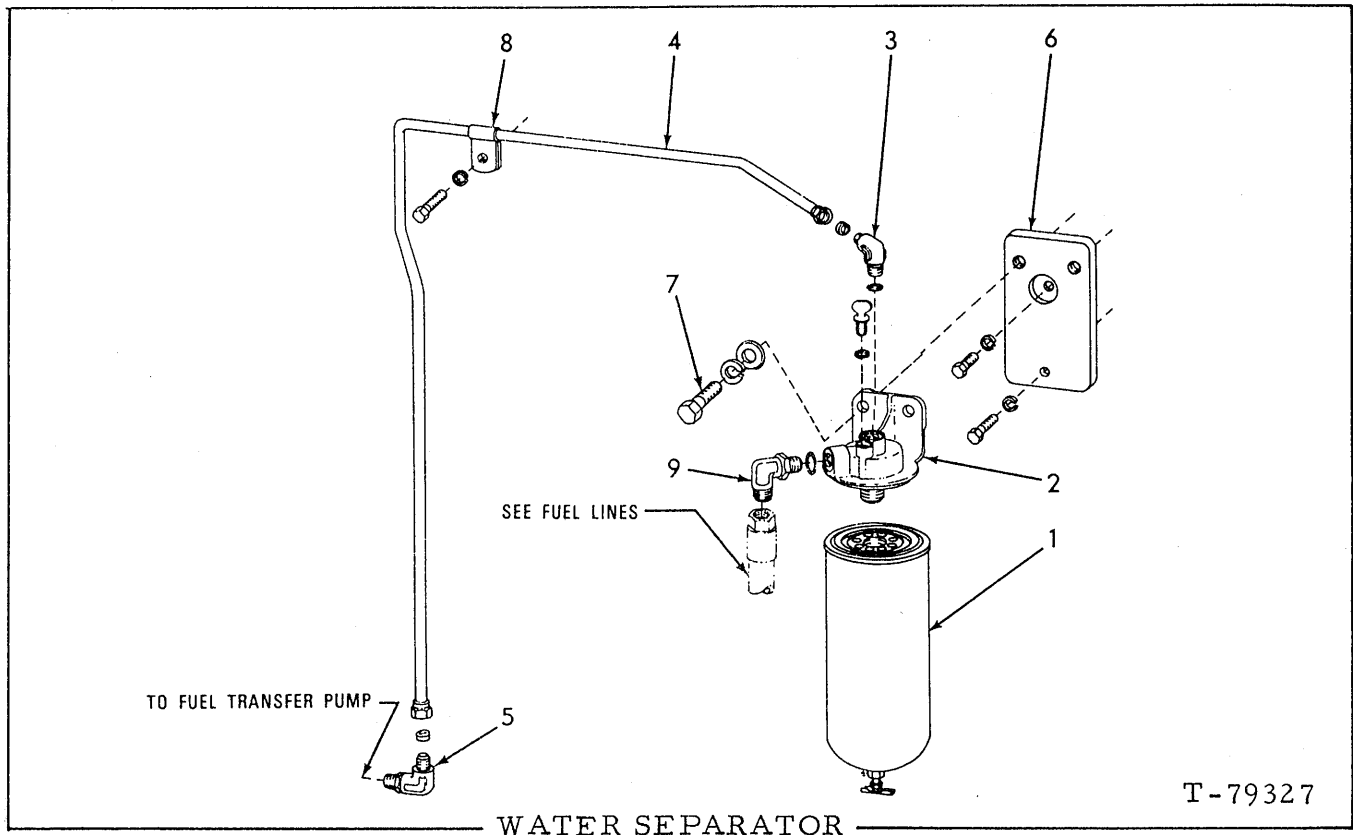
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|-------------|
|------|----------|------|-------------|

|   |          |   |                                                               |
|---|----------|---|---------------------------------------------------------------|
| 1 | 74028945 | 2 | ELEMENT, filter (Includes item 2)                             |
| 2 | -----    | 2 | O-RING (Not serviced seperately)                              |
| 3 | 74393077 | 1 | BASE ASSY., filter (Includes Inserts not serviced separately) |
|   | 70922577 | 2 | PLUG, hex.- hd., 3/8" tube, 9/16" str. thd. (Includes O-RING) |
|   | 70921885 | 2 | O-RING, plug                                                  |
|   | 70915987 | 2 | CAPSCREW, 1/2"NC x 1-1/2"                                     |
|   | 70912441 | 2 | LOCKWASHER, 1/2"                                              |
|   | 70912007 | 2 | WASHER, plain                                                 |

(Continued)

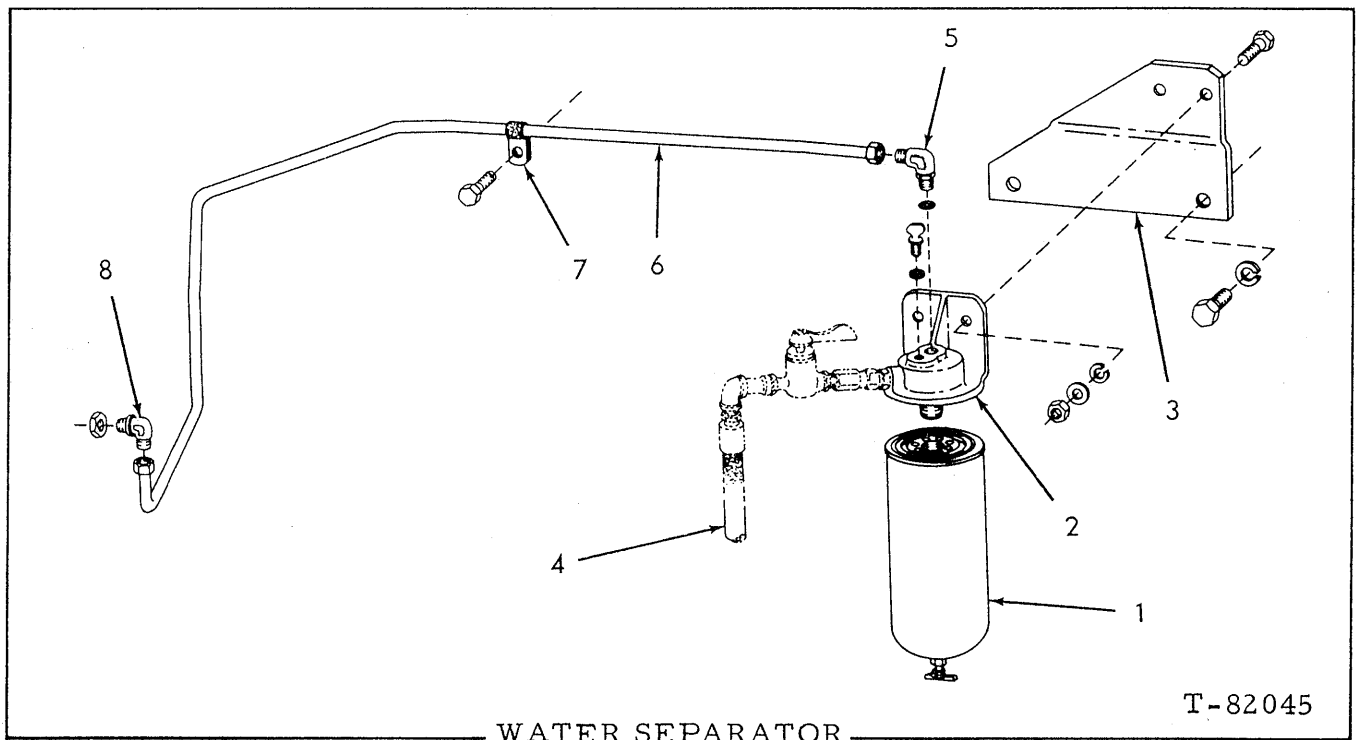
FUEL FILTER (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                           |
|------|----------|------|-------------------------------------------------------|
| 4    | 74393765 | 1    | TUBE                                                  |
|      | 70917810 | 2    | NUT, Imperial, 3/8" tube                              |
|      | 70917807 | 2    | SLEEVE, Imperial, 3/8" tube (rubber)                  |
|      | 70920280 | 1    | ELBOW, Imperial, 3/8" tube, 1/4"PT (at transfer pump) |
|      | 74359776 | 1    | CONNECTOR, (Includes O-RING)                          |
|      | 70921885 | 1    | O-RING, connector                                     |
| 5    | 74393764 | 1    | TUBE                                                  |
|      | 70917810 | 2    | NUT, Imperial, 3/8" tube                              |
|      | 70917807 | 2    | SLEEVE, Imperial, 3/8" tube (rubber)                  |
|      | 70920280 | 1    | ELBOW, Imperial, 3/8" tube, 1/4"PT (at fuel pump)     |
|      | 74359776 | 1    | CONNECTOR (Includes O-RING)                           |
|      | 70921885 | 1    | O-RING, connector                                     |
| 6    | 74393090 | 1    | SUPPORT, clip                                         |
| 7    | 74394178 | 1    | CLIP                                                  |
|      | 70912226 | 1    | SCREW, fil. hd., 1/4"NC x 5/8"                        |
|      | 70904204 | 1    | LOCKWASHER, 1/4"                                      |
|      | 70910880 | 1    | NUT, 1/4"NC                                           |



USAGE: 17000 MK II engines

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                                                    |
|------|----------|------|----------------------------------------------------------------------------------------------------------------|
| 1    | 74394407 | 1    | FILTER ASSY.                                                                                                   |
| 2    | 74395419 | 1    | BASE ASSY. (Includes insert)(For engines with first type bleeder order 1 Screw 74006998 and 1 Washer 74254873) |
|      | 70920612 | 1    | CAPSCREW, 3/8"NF x 1/2" } 1st type bleeder                                                                     |
|      | 74251367 | 1    | WASHER, copper } not illustrated                                                                               |
|      | 74036540 | 1    | SCREW, thumb } 2nd type bleeder                                                                                |
|      | 74254873 | 1    | WASHER }                                                                                                       |
| 3    | 74023721 | 1    | ELBOW ASSY. (Includes 1 O-Ring 70921885)                                                                       |
|      | 70921885 | 1    | O-RING                                                                                                         |
| 4    | 74394624 | 1    | TUBE                                                                                                           |
|      | 70917807 | 2    | SLEEVE, Imperial, 3/8" tube                                                                                    |
|      | 70917810 | 2    | NUT, Imperial, 3/8" tube                                                                                       |
| 5    | 70920280 | 1    | ELBOW, 3/8" tube, 1/4"NPT                                                                                      |
|      | 70930349 | 1    | NUT, locking, 1/4"                                                                                             |
| 6    | 74394625 | 1    | BRACKET                                                                                                        |
|      | 70915408 | 1    | CAPSCREW, 3/8"NC x 3/4"                                                                                        |
|      | 70916272 | 1    | CAPSCREW, 3/8"NC x 1-1/4"                                                                                      |
|      | 70910287 | 2    | LOCKWASHER, 3/8"                                                                                               |
| 7    | 70916254 | 2    | CAPSCREW, 7/16"NC x 1"                                                                                         |
|      | 70914498 | 2    | WASHER, plain, 7/16"                                                                                           |
|      | 70914678 | 2    | LOCKWASHER, 7/16"                                                                                              |
| 8    | 70927384 | 1    | CLAMP                                                                                                          |
| 9    | 70930804 | 1    | ELBOW, adjustable, 90°, flare type, 1/2" tube, 5/8"NF male (Includes O-Ring)                                   |
|      | 70921885 | 1    | O-RING                                                                                                         |

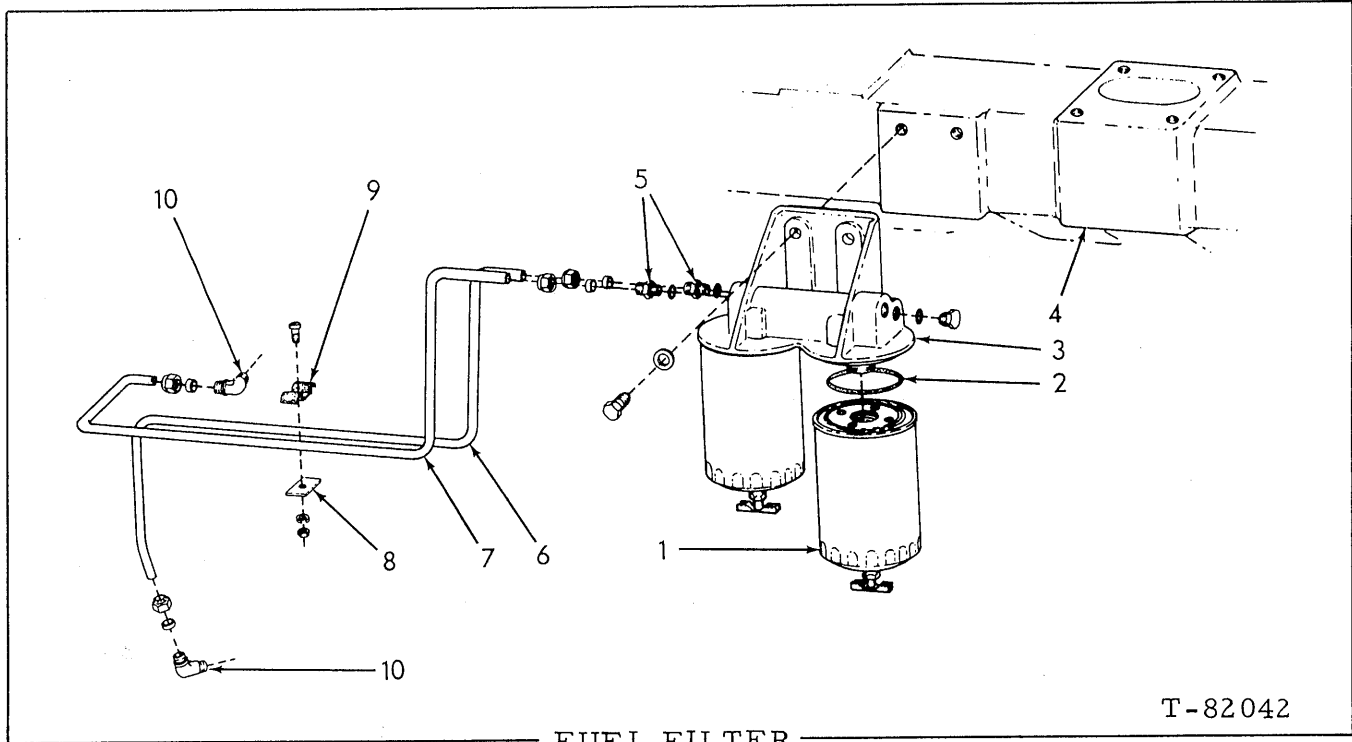


WATER SEPARATOR

T-82045

USAGE: 6138 LT engines

| ITEM | PART NO. | QTY. | DESCRIPTION                      |
|------|----------|------|----------------------------------|
| 1    | 74394407 | 1    | FILTER ASSY.                     |
| 2    | 74395419 | 1    | BASE ASSY. (Includes insert)     |
|      | 74036540 | 1    | SCREW, thumb                     |
|      | 74254873 | 1    | WASHER                           |
|      | 70916191 | 2    | CAPSCREW, 7/16"NC x 1-1/2"       |
|      | 70914678 | 2    | LOCKWASHER, 7/16"                |
|      | 70914498 | 2    | WASHER                           |
|      | 70912201 | 2    | NUT, 7/16"NC                     |
| 3    | 74394405 | 1    | BRACKET                          |
|      | 70931244 | 2    | CAPSCREW, Nylok, 1/2"NC x 1-1/4" |
|      | 70912441 | 2    | LOCKWASHER, 1/2"                 |
| 4    | -----    | 1    | HOSE (See page 57)               |
| 5    | 74023721 | 1    | ELBOW (Includes O-Ring)          |
|      | 70921885 | 1    | O-RING                           |
|      | 74395537 | 1    | TUBE                             |
|      | 70917807 | 2    | SLEEVE, Imperial, 3/8" tube      |
|      | 70917810 | 2    | NUT, Imperial, 3/8" tube         |
| 7    | 70932860 | 1    | CLAMP                            |
|      | 70921865 | 1    | CAPSCREW, Nylok, 1/2"NC x 1"     |
| 8    | 70920280 | 1    | ELBOW, 3/8" tube, 1/4"NPT        |
|      | 70930349 | 1    | NUT, locking, 1/4"               |

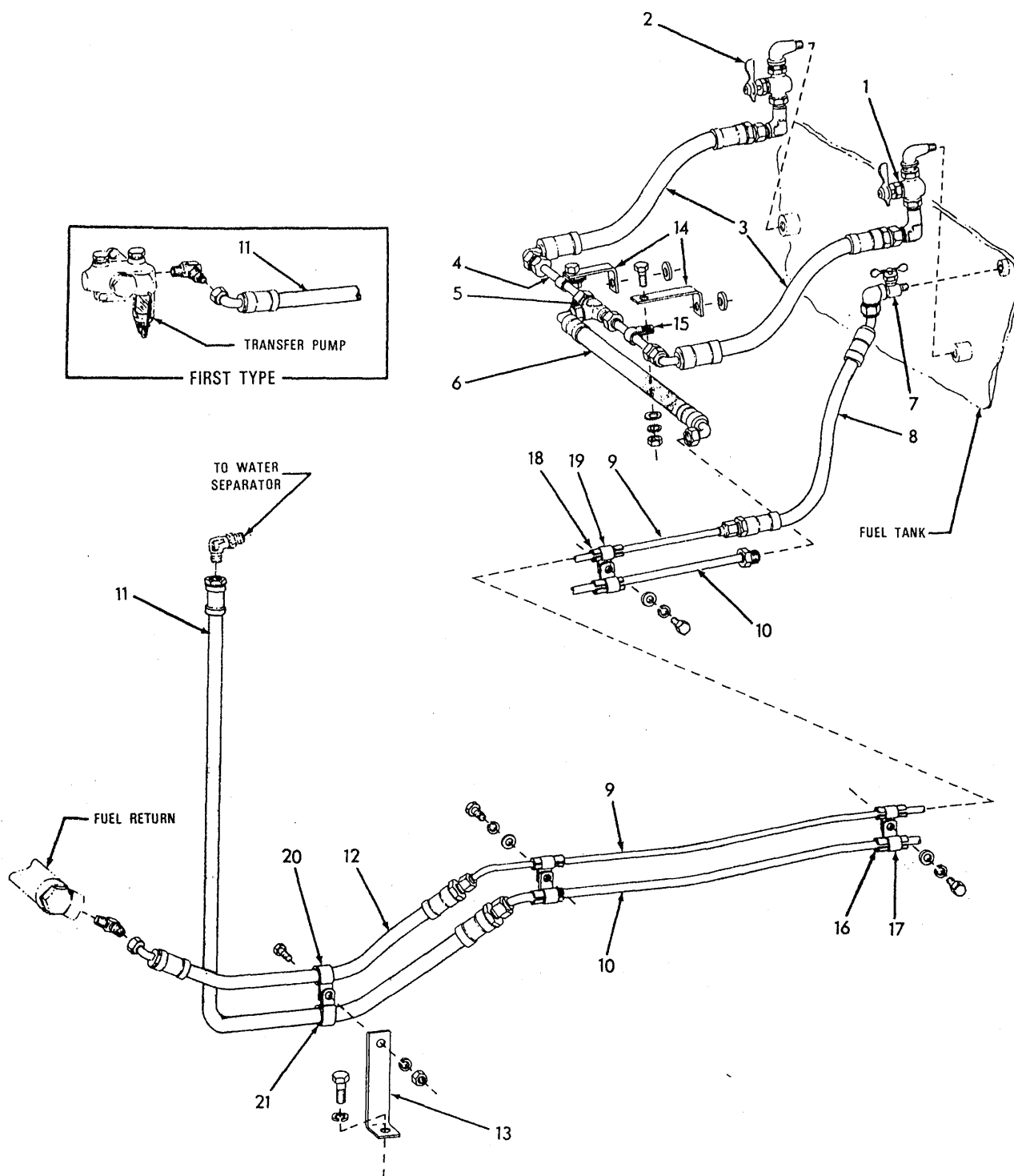


T-82042

FUEL FILTER

USAGE: 6138 LT engines

| ITEM | PART NO. | QTY. | DESCRIPTION                                                    |
|------|----------|------|----------------------------------------------------------------|
| 1    | 74028945 | 2    | ELEMENT (Includes item 2)                                      |
| 2    | -----    | 2    | O-RING (Not serviced separately)                               |
| 3    | 74393077 | 1    | BASE ASSY. (Includes inserts)                                  |
|      | 70922577 | 2    | PLUG, hex-hd., 3/8" tube, 9/16" str. thd.<br>(Includes O-Ring) |
|      | 70921885 | 2    | O-RING                                                         |
|      | 70916311 | 2    | CAPSCREW, 1/2"NC x 1-1/4"                                      |
|      | 70912441 | 2    | LOCKWASHER, 1/2"                                               |
|      | 70912007 | 2    | WASHER                                                         |
| 4    | -----    | 1    | MANIFOLD, air intake (See page 71)                             |
| 5    | 74359776 | 2    | CONNECTOR (Includes O-Ring)                                    |
|      | 70921885 | 2    | O-RING                                                         |
| 6    | 74395549 | 1    | TUBE                                                           |
|      | 70917807 | 2    | SLEEVE, Imperial, 3/8" tube                                    |
|      | 70917810 | 2    | NUT, Imperial, 3/8" tube                                       |
| 7    | 74396063 | 1    | TUBE                                                           |
|      | 70917807 | 2    | SLEEVE, Imperial, 3/8" tube                                    |
|      | 70917810 | 2    | NUT, Imperial, 3/8" tube                                       |
| 8    | 74393090 | 1    | PLATE                                                          |
| 9    | 74394178 | 1    | CLIP                                                           |
|      | 70912226 | 1    | SCREW, machine, 1/4"NC x 5/8"                                  |
|      | 70904204 | 1    | LOCKWASHER, 1/4"                                               |
|      | 70910880 | 1    | NUT, 1/4"NC                                                    |
| 10   | 70920280 | 2    | ELBOW, Imperial, 3/8" tube, 1/4"NPT                            |



FUEL LINES

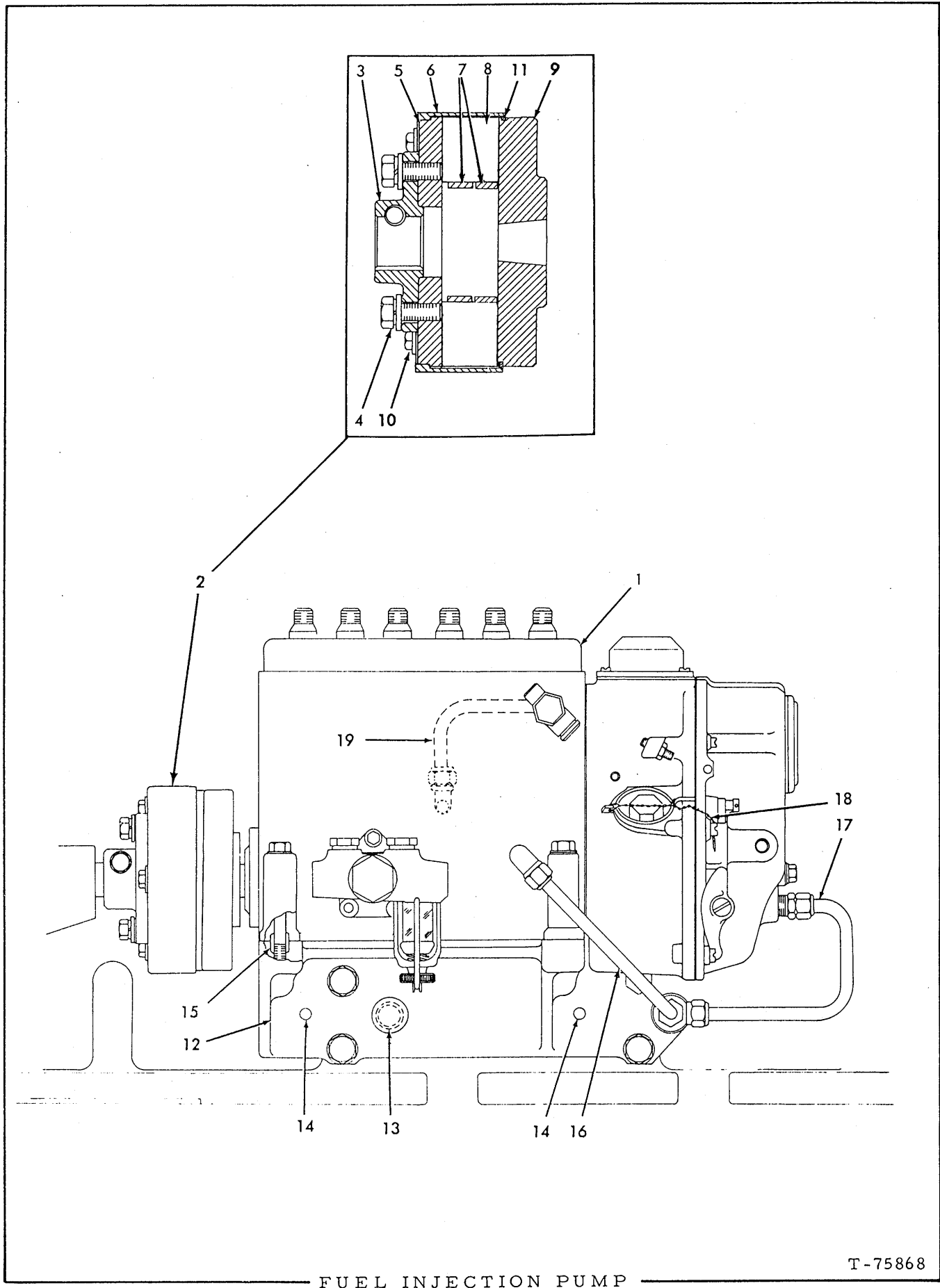
T-75867

(Revised February 1976)



## FUEL LINES

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                     |
|------|----------|------|---------------------------------------------------------------------------------|
| 1    | 70092727 | 2    | COCK (Includes item 2)                                                          |
|      | 70901723 | 2    | ELBOW, street, 90°, 3/8"NPT                                                     |
| 2    | 70082189 | 2    | HANDLE                                                                          |
| 3    | 70664869 | 2    | HOSE (See HOSE PARTS)                                                           |
|      | 70923641 | 2    | ELBOW, flare type, 1/2" tube, 3/8"NPT male                                      |
| 4    | 70664865 | 2    | TUBE ASSY.                                                                      |
| 5    | 70921472 | 1    | TEE, union, flare type, 1/2" tube                                               |
| 6    | 70664870 | 1    | HOSE (See HOSE PARTS)                                                           |
| 7    | 70914378 | 1    | VALVE (1/4"NPT ends)                                                            |
| 8    | 70648231 | 1    | HOSE (See HOSE PARTS)                                                           |
|      | 70921852 | 1    | ELBOW, flare type, 90°, 3/8" tube, 1/4"NPT female                               |
| 9    | 70664880 | 1    | TUBE ASSY. (Includes nuts)                                                      |
| 10   | 70664878 | 1    | TUBE ASSY. (Includes nuts)                                                      |
| 11   | 70674814 | 1    | HOSE (See HOSE PARTS)                                                           |
|      | 70922872 | 1    | ELBOW, flare type, 90°, 1/2" tube, 1/4"NPT male } Tractors prior to unit #14249 |
|      | 70696013 | 1    | HOSE (See HOSE PARTS)(Tractor unit #14249 thru #15212)                          |
|      | 73117377 | 1    | HOSE (See HOSE PARTS)(Tractor unit #15213 and up)                               |
| 12   | 70674868 | 1    | HOSE (See HOSE PARTS)(Tractors prior to unit #15213)                            |
|      | 73117378 | 1    | HOSE (See HOSE PARTS)(Tractor unit 15213 and up)                                |
|      | 70919135 | 1    | ELBOW, flare type, 90°, 3/8" tube, 1/4"NPT male)(Tractors prior to unit #15213) |
|      | 70927455 | 1    | CONNECTOR, flare type, 3/8" tube, 9/16" str. thd.                               |
| 13   | 70674799 | 1    | ANGLE                                                                           |
|      | 70920582 | 1    | CAPSCREW, 1/2"NC x 1-1/4"                                                       |
|      | 70912441 | 1    | LOCKWASHER, 1/2"                                                                |
| 14   | 70096164 | 2    | ANGLE                                                                           |
|      | 70677008 | 2    | WASHER                                                                          |
| 15   | 70094527 | 2    | CLIP                                                                            |
|      | 70922763 | 2    | CAPSCREW, 3/8"NC x 1"                                                           |
|      | 70677006 | 2    | WASHER                                                                          |
|      | 70911026 | 2    | NUT, 3/8"NC                                                                     |
| 16   | 70093752 | 3    | BOOT, (1/2" tube)                                                               |
| 17   | 70097534 | 3    | CLIP                                                                            |
|      | 70922262 | 3    | CAPSCREW, 3/8"NC x 7/8"                                                         |
|      | 70677006 | 3    | WASHER                                                                          |
| 18   | 70093751 | 3    | BOOT (3/8" tube)                                                                |
| 19   | 70055234 | 3    | CLIP                                                                            |
| 20   | 70094467 | 1    | CLIP                                                                            |
|      | 70922763 | 1    | CAPSCREW, 3/8"NC x 1"                                                           |
|      | 70677006 | 1    | WASHER                                                                          |
|      | 70911026 | 1    | NUT, 3/8"NC                                                                     |
| 21   | 70622992 | 1    | CLIP                                                                            |



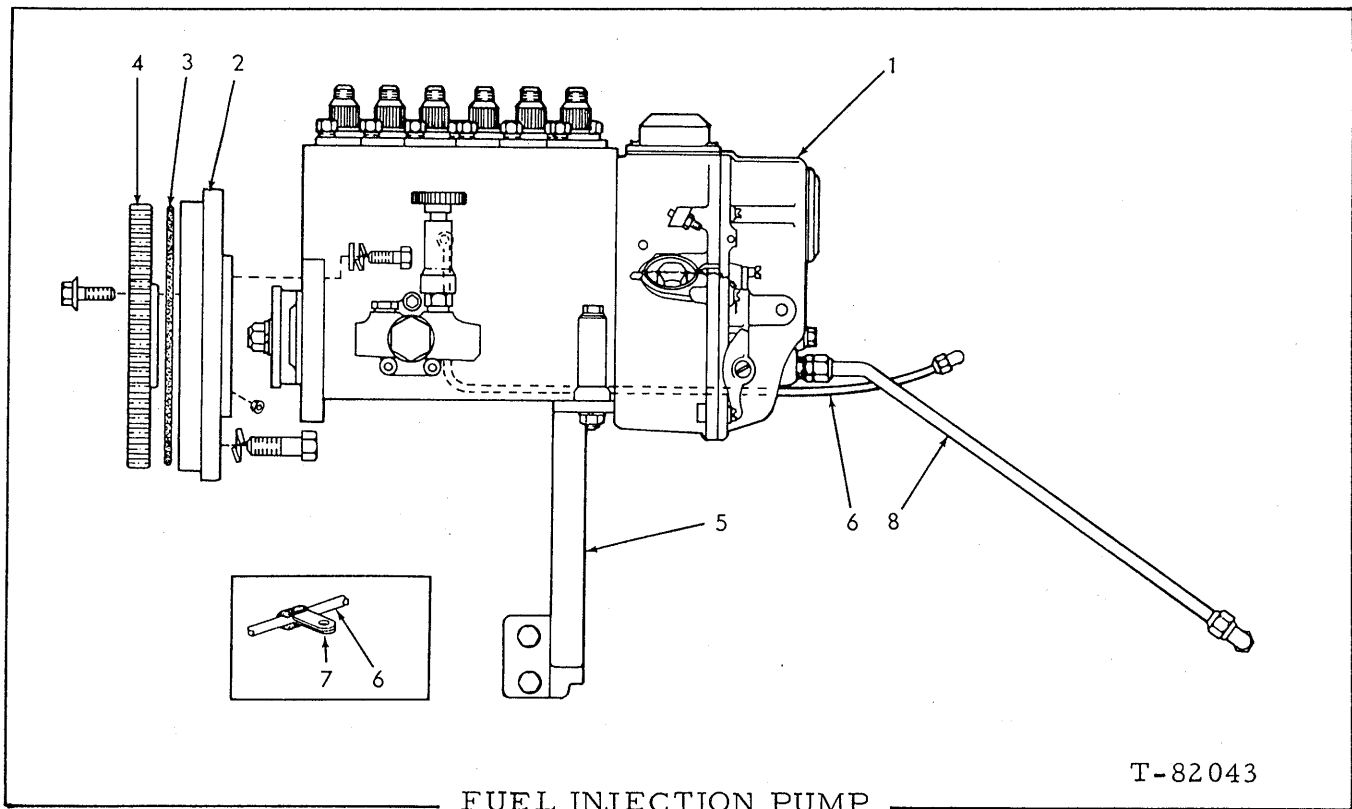
T-75868

USAGE: 17000 MKII engines FUEL INJECTION PUMP

ITEM PART NO. QTY. DESCRIPTION

|    |          |   |                                                                                                                                     |
|----|----------|---|-------------------------------------------------------------------------------------------------------------------------------------|
| 1  | 74061638 | 1 | PUMP KIT, injection (Includes item 2)(Service replacement for original factory adjusted PUMP ASSY. 74392775, 74394064 and 74394746) |
|    | 70919015 | 4 | CAPSCREW, 3/8" NC x 3-1/2"                                                                                                          |
|    | 70904206 | 4 | LOCKWASHER, 3/8"                                                                                                                    |
|    | 70913544 | 4 | WASHER, plain, 3/8"                                                                                                                 |
|    | 70905845 | 1 | KEY, woodruff, 1/4" x 7/8"                                                                                                          |
| 2  | 74392350 | 1 | COUPLING (Includes items 3 thru 10)(Engines prior to #17-01953)                                                                     |
|    | 74394009 | 1 | COUPLING (Includes items 3 thru 11)(Engine #17-01953 and up)                                                                        |
| 3  | 74394318 | 1 | CLAMP, hub                                                                                                                          |
|    | 70927322 | 1 | CAPSCREW, 3/8" NF x 2" } Clamping                                                                                                   |
|    | 70910287 | 1 | LOCKWASHER, 3/8" }                                                                                                                  |
| 4  | 70921076 | 2 | CAPSCREW, 3/8" NC x 1-1/4"                                                                                                          |
|    | 70677006 | 2 | WASHER                                                                                                                              |
| 5  | 74060643 | 1 | FLANGE, engine side                                                                                                                 |
| 6  | 74061040 | 1 | COVER, flange                                                                                                                       |
| 7  | 74060645 | 2 | INSERT                                                                                                                              |
| 8  | 74060646 | 6 | INSERT (rubber)                                                                                                                     |
| 9  | 74060647 | 1 | HUB, pump side (For COUPLING 74392350)                                                                                              |
|    | 74061041 | 1 | HUB, pump side (For COUPLING 74394009)                                                                                              |
| 10 | 70915343 | 3 | CAPSCREW, 1/4" NC x 5/8"                                                                                                            |
|    | 70911114 | 3 | WASHER                                                                                                                              |
|    | 70904204 | 3 | LOCKWASHER, 1/4"                                                                                                                    |
| 11 | 74061042 | 1 | SHIELD, dust (For COUPLING 74394009 only)                                                                                           |
| 12 | -----    | 1 | BRACKET (Engines prior to #17-02668)(Order 74394301                                                                                 |
|    | 74394301 | 1 | BRACKET (Engine #17-02668 and up) and 2 Dowel                                                                                       |
|    | 70916311 | 4 | CAPSCREW, 1/2" NC x 1-1/4" 74394302)                                                                                                |
|    | 70904208 | 4 | LOCKWASHER, 1/2"                                                                                                                    |
| 13 | 74255665 | 2 | □ O-RING                                                                                                                            |
| 14 | 74253286 | 2 | PIN, dowel                                                                                                                          |
| 15 | 74392630 | 2 | DOWEL, hollow (Engines prior to #17-02668)                                                                                          |
|    | 74394302 | 2 | DOWEL, hollow (Engine #17-02668 and up)                                                                                             |
| 16 | 74392402 | 1 | TUBE                                                                                                                                |
|    | 70917810 | 2 | NUT, Imperial, 3/8" tube                                                                                                            |
|    | 70917807 | 2 | SLEEVE, Imperial, 3/8" tube (rubber)                                                                                                |
|    | 70920280 | 1 | ELBOW, Imperial, 3/8" tube, 1/4" NPT (at pump)                                                                                      |
|    | 70921841 | 1 | TEE, service, Imperial, 3/8" tube, 1/4" NPT (at bracket)                                                                            |
| 17 | 74392439 | 1 | TUBE                                                                                                                                |
|    | 70917810 | 2 | NUT, Imperial, 3/8" tube                                                                                                            |
|    | 70917807 | 2 | SLEEVE, Imperial, 3/8" tube (rubber)                                                                                                |
|    | 70920279 | 1 | CONNECTOR, Imperial, 3/8" tube, 1/4" NPT (at governor)                                                                              |
| 18 | 74355843 | 1 | SEAL, anti-tampering                                                                                                                |
| 19 | 74394306 | 1 | TUBE ASSY., lube oil feed (Includes SLEEVES and NUTS)                                                                               |
|    | 70917810 | 2 | NUT, Imperial, 3/8" tube                                                                                                            |
|    | 70917807 | 2 | SLEEVE, Imperial, 3/8" tube (rubber)                                                                                                |
|    | 70920790 | 1 | ELBOW, Imperial, 3/8" tube, 1/8" NPT (at pump)                                                                                      |
|    | 70927139 | 1 | ELBOW, Imperial, 3/8" tube, 1/4" NPT female } at                                                                                    |
|    | 70913112 | 1 | NIPPLE, pipe, hex., 1/4" x 1/4" } block                                                                                             |

(Revised August 1980)



FUEL INJECTION PUMP

T-82043

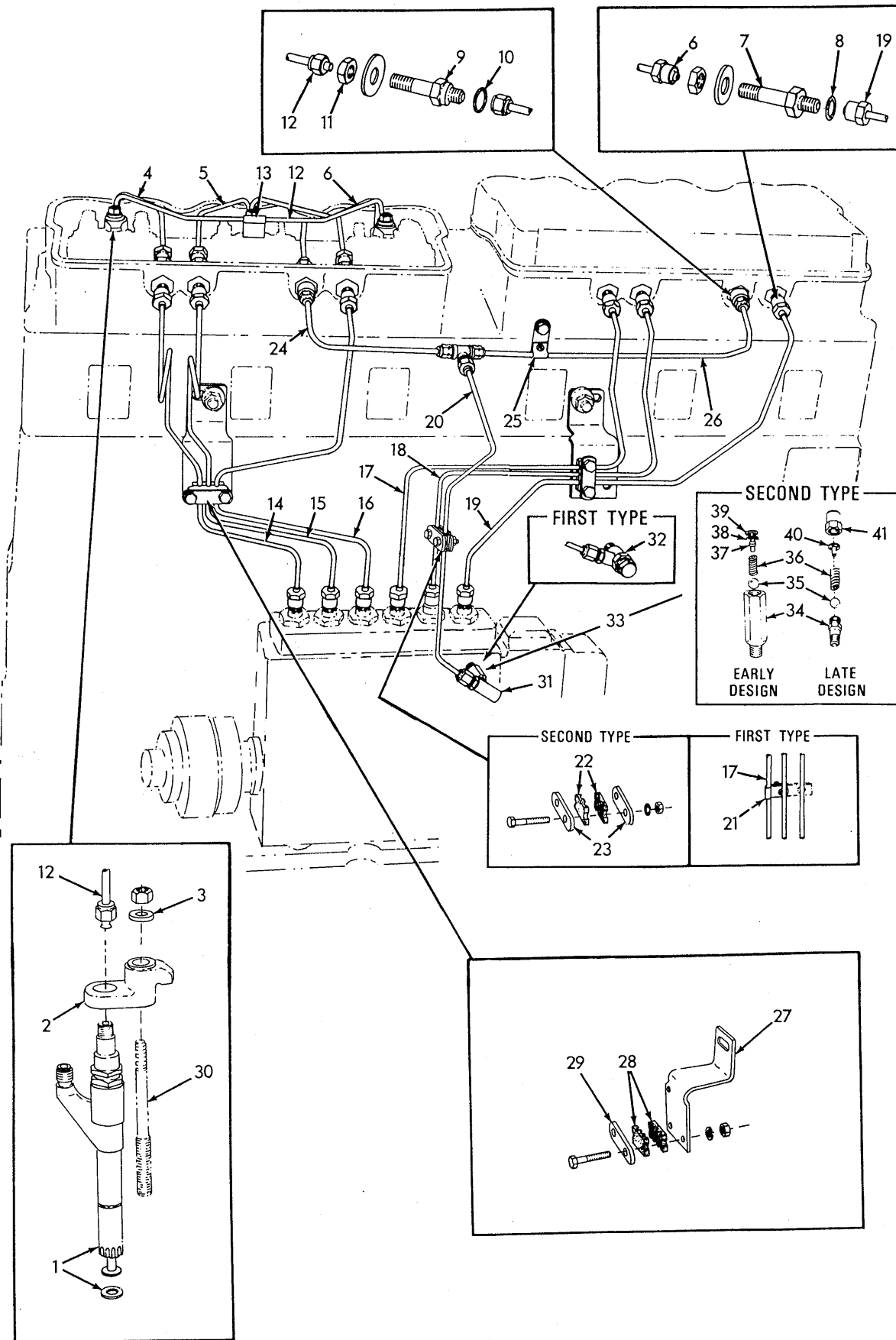
USAGE: 6138 LT engine

| ITEM | PART NO. | QTY. | DESCRIPTION                                                               |
|------|----------|------|---------------------------------------------------------------------------|
| 1    | 74396550 | 1    | PUMP KIT, injection (Service replacement for pumps 74395449 and 74396532) |
|      | 70914847 | 4    | CAPSCREW, 3/8"NC x 1-1/2"                                                 |
|      | 70911115 | 4    | WASHER                                                                    |
|      | 70910287 | 4    | LOCKWASHER, 3/8"                                                          |
| 2    | 74396005 | 1    | PLATE, adapter                                                            |
|      | 70921076 | 2    | CAPSCREW, 3/8"NC x 1-1/4"                                                 |
|      | 70930796 | 1    | CAPSCREW, Eslok, 3/8"NC x 1-1/4"                                          |
|      | 70916272 | 2    | CAPSCREW, 3/8"NC x 1-1/4"                                                 |
|      | 70910287 | 3    | LOCKWASHER, 3/8"                                                          |
|      | 70908944 | 1    | PLUG, pipe, ctsk., hex-skt., 1/2"NPT                                      |
| 3    | 70924142 | 1    | O-RING                                                                    |
| 4    | 74395460 | 1    | GEAR                                                                      |
|      | 74255060 | 3    | CAPSCREW                                                                  |
| 5    | 74394674 | 1    | BRACKET                                                                   |
|      | 70916276 | 1    | CAPSCREW, 3/8"NC x 4-1/2"                                                 |
|      | 70919801 | 1    | CAPSCREW, 3/8"NC x 4"                                                     |
|      | 70911115 | 2    | WASHER                                                                    |
|      | 70910287 | 2    | LOCKWASHER, 3/8"                                                          |
|      | 70910324 | 2    | NUT, 3/8"NC                                                               |
|      | 70915987 | 2    | CAPSCREW, 1/2"NC x 1-1/2" } at cylinder                                   |
|      | 70912441 | 2    | LOCKWASHER, 1/2" } block                                                  |

(Continued)

FUEL INJECTION PUMP (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                        |
|------|----------|------|----------------------------------------------------|
| 6    | 74395976 | 1    | TUBE ASSY. (Oil intake)(Includes Sleeves and Nuts) |
|      | 70917807 | 2    | SLEEVE, Imperial, 3/8" tube                        |
|      | 70917810 | 2    | NUT, Imperial, 3/8" tube                           |
|      | 70921372 | 1    | CONNECTOR, Imperial, 3/8" tube, 1/8"NPT            |
|      | 70913112 | 1    | NIPPLE, pipe, 1/4" x 1/4"                          |
|      | 70927139 | 1    | ELBOW, Imperial, 3/8" tube, 1/4"NPT                |
| 7    | 70926917 | 1    | CLAMP                                              |
| 8    | 74395229 | 1    | TUBE (Oil return)                                  |
|      | 70917807 | 2    | SLEEVE, Imperial, 3/8" tube                        |
|      | 70917810 | 2    | NUT, Imperial, 3/8" tube                           |
|      | 70920279 | 1    | CONNECTOR, Imperial, 3/8" tube, 1/4"NPT            |
|      | 70920280 | 1    | ELBOW, Imperial, 3/8" tube, 1/4"NPT                |



INJECTION NOZZLE LINES

T-75869

(Revised June 1978)

USAGE: 17000 MKII engines

| ITEM | PART NO. | QTY. | DESCRIPTION                                                              |                               |
|------|----------|------|--------------------------------------------------------------------------|-------------------------------|
| 1    | -----    | 6    | HOLDER ASSY., nozzle (See page 63)                                       |                               |
| 2    | 74387385 | 6    | CLAMP, nozzle holder                                                     |                               |
|      | 74115287 | 6    | NUT, 3/8"NF                                                              |                               |
| 3    | 74379572 | 6    | WASHER, nozzle holder clamp                                              |                               |
| 4    | 74390093 | 2    | TUBE ASSY., fuel injection, internal<br>(#1 and #4 cylinder)             | Each<br>includes<br>nuts      |
| 5    | 74390094 | 2    | TUBE ASSY., fuel injection, internal<br>(#2 and #5 cylinder)             |                               |
| 6    | 74390095 | 2    | TUBE ASSY., fuel injection, internal<br>(#3 and #6 cylinder)             |                               |
| 7    | 74386601 | 6    | CONNECTOR, injection line                                                |                               |
|      | 70919303 | 6    | NUT, jam, 9/16"NF                                                        |                               |
|      | 70914659 | 6    | WASHER, plain, SAE std., 9/16"                                           |                               |
| 8    | 70923645 | 6    | □O-RING, injection line connector                                        |                               |
| 9    | 74386602 | 2    | CONNECTOR, fuel return line                                              |                               |
| 10   | 70923645 | 2    | □O-RING, return line connector                                           |                               |
| 11   | 74377267 | 2    | NUT, return line connector (1/2" - 24)                                   |                               |
|      | 70914659 | 2    | WASHER, plain, SAE std., 9/16" (Engines<br>prior to #17-04657)           |                               |
|      | 74396053 | 2    | SPACER (Engine #17-04657 and up)                                         |                               |
| 12   | 74393813 | 2    | MANIFOLD ASSY., fuel return (Includes nuts and<br>sleeves)               |                               |
|      | 70917809 | 8    | NUT, Imperial, 1/4" tube                                                 | Engines prior<br>to #17-04843 |
|      | 74255956 | 8    | SLEEVE, Imperial, 1/4" tube (rubber)(Viton-high temp.)                   |                               |
| 13   | 74255179 | 2    | CLIP, manifold supporting                                                |                               |
| 14   | 74392384 | 1    | TUBE ASSY., fuel injection, external<br>(#1 cylinder)                    | Each<br>includes<br>nuts      |
| 15   | 74392385 | 1    | TUBE ASSY., fuel injection, external<br>(#2 cylinder)                    |                               |
| 16   | 74392386 | 1    | TUBE ASSY., fuel injection, external<br>(#3 cylinder)                    |                               |
| 17   | 74392387 | 1    | TUBE ASSY., fuel injection, external<br>(#4 cylinder)                    |                               |
| 18   | 74392388 | 1    | TUBE ASSY., fuel injection, external<br>(#5 cylinder)                    |                               |
| 19   | 74392389 | 1    | TUBE ASSY., fuel injection, external<br>(#6 cylinder)                    |                               |
| 20   | 74392445 | 1    | TUBE, fuel return (Engines prior to #17-01843)                           | Use<br>with<br>item 32        |
|      | 74394177 | 1    | TUBE, fuel return (Engine #17-01843 thru<br>#17-03711)                   |                               |
|      | 74396081 | 1    | TUBE, fuel return (Engine #17-03712 and up)(Use<br>with items 33 and 40) |                               |
|      | 70917809 | 2    | NUT, Imperial, 1/4" tube                                                 |                               |
|      | 74255956 | 2    | SLEEVE, Imperial, 1/4" tube (rubber)                                     |                               |
|      | 70919797 | 1    | TEE, Imperial, 1/4" tube                                                 |                               |
|      | 70919800 | 1    | CONNECTOR, Imperial (Use with item 32)                                   |                               |
|      | 70920242 | 1    | CONNECTOR, Imperial (Use with item 33)                                   |                               |
| 21   | 74361829 | 1    | CLAMP, return tube                                                       | Engines prior<br>to #17-01843 |
|      | 70921226 | 1    | SCREW, fil. hd., 1/4"NC x 5/8"                                           |                               |
|      | 70904204 | 1    | LOCKWASHER, 1/4"                                                         |                               |
|      | 70910880 | 1    | NUT, 1/4"NC                                                              |                               |

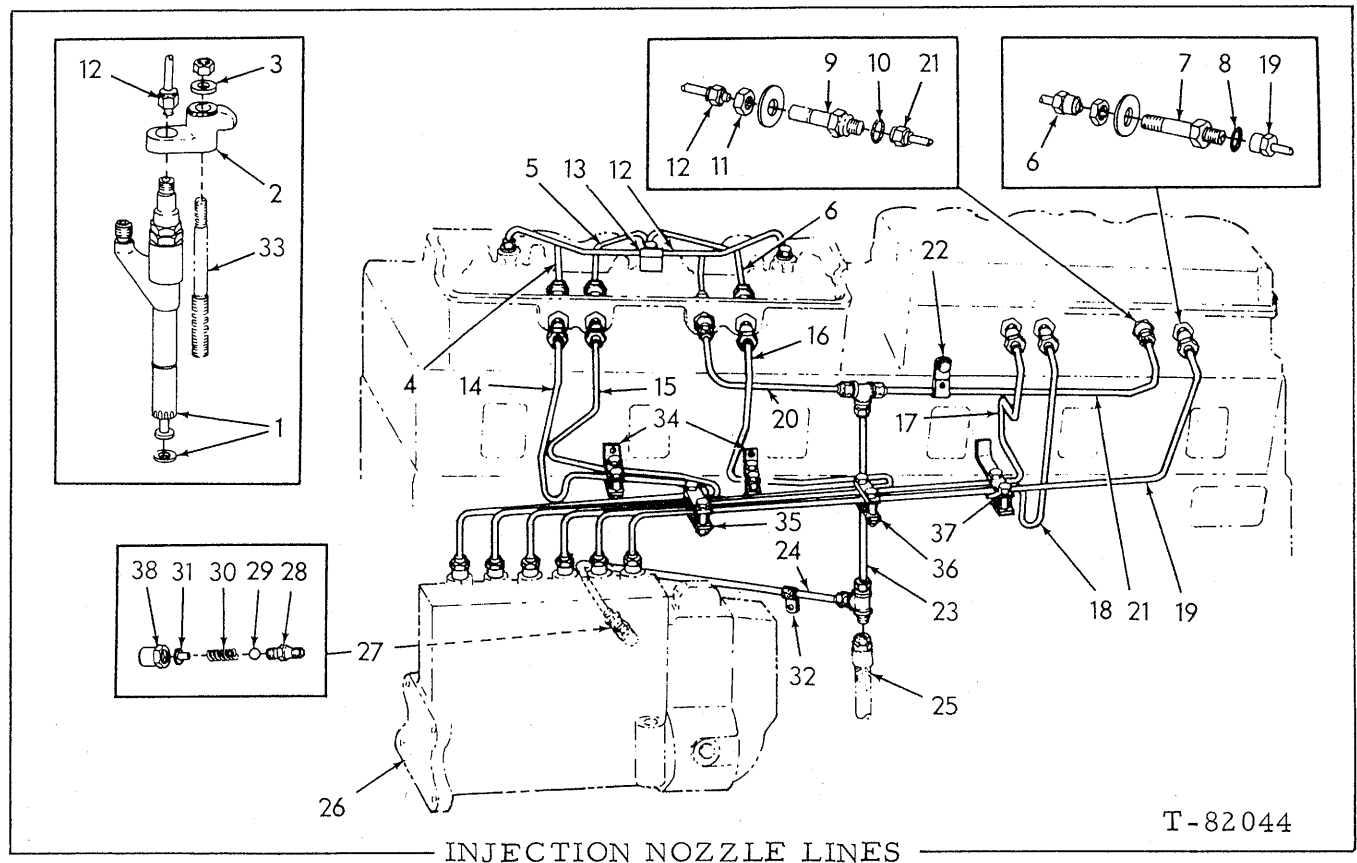
(Continued)

(Revised August 1980)

## INJECTION NOZZLE LINES (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                                             |                                 |
|------|----------|------|-------------------------------------------------------------------------|---------------------------------|
| 22   | 74507358 | 2    | SPACER                                                                  |                                 |
| 23   | 74507414 | 2    | PLATE                                                                   |                                 |
|      | 70918794 | 2    | SCREW, fil. hd., 1/4"NC x 5/8"                                          | } Engine<br>#17-01843<br>and up |
|      | 70904204 | 2    | LOCKWASHER, 1/4"                                                        |                                 |
|      | 70910880 | 2    | NUT, 1/4"NC                                                             |                                 |
| 24   | 74392789 | 1    | TUBE, fuel return, front                                                |                                 |
|      | 70917809 | 2    | NUT, Imperial, 1/4" tube                                                |                                 |
|      | 74255956 | 2    | SLEEVE, Imperial, 1/4" tube (rubber)                                    |                                 |
| 25   | 74386617 | 1    | CLIP, fuel return tube                                                  |                                 |
|      | 70901171 | 1    | SCREW, machine, #10-24NC x 3/8"                                         |                                 |
|      | 70904203 | 1    | LOCKWASHER, #10                                                         |                                 |
|      | 70901310 | 1    | NUT, #10-24NC                                                           |                                 |
|      | 70915408 | 1    | CAPSCREW, 3/8"NC x 3/4"                                                 |                                 |
|      | 70904206 | 1    | LOCKWASHER, 3/8"                                                        |                                 |
|      | 70911115 | 1    | WASHER, plain, SAE std., 3/8"                                           |                                 |
| 26   | 74392788 | 1    | TUBE, fuel return, rear                                                 |                                 |
|      | 70917809 | 2    | NUT, Imperial, 1/4" tube                                                |                                 |
|      | 74255956 | 2    | SLEEVE, Imperial, 1/4" tube (rubber)                                    |                                 |
| 27   | 74396082 | 2    | BRACKET (Includes spaw washers)                                         |                                 |
|      | 70929935 | 2    | WASHER, spaw (Engine S/N 17-04858 and up)                               |                                 |
| 28   | 74507359 | 4    | SPACER, injection lines (rubber)                                        |                                 |
| 29   | 74507415 | 2    | PLATE, clamping, rear injection lines                                   |                                 |
|      | 70918794 | 4    | CAPSCREW, 1/4"NC x 1-3/8"                                               |                                 |
|      | 70904204 | 4    | LOCKWASHER, 1/4"                                                        |                                 |
|      | 70910880 | 4    | NUT, 1/4"NC                                                             |                                 |
| 30   | -----    | 6    | STUD, nozzle holder clamp (See page 29)                                 |                                 |
| 31   | 70931195 | 1    | TEE (Use with item 33)                                                  |                                 |
| 32   | 74060154 | 1    | VALVE (First type)(See item 20)(Use with tubes<br>74392445 or 74394177) |                                 |
| 33   | 74396315 | 1    | VALVE ASSY. (Includes items 34, 35, 36, 40 and 41)                      |                                 |
| 34   | -----    | 1    | BODY (Not serviced separately)                                          |                                 |
| 35   | 74337022 | 1    | BALL                                                                    |                                 |
| 36   | 74337023 | 1    | SPRING                                                                  |                                 |
| 37   | -----    | 1    | STOP (Not serviced. Order item 33)                                      | } Early<br>design               |
| 38   | 74255017 | 1    | E-RING                                                                  |                                 |
| 39   | 74255020 | 1    | RING, snap                                                              |                                 |
| 40   | 74395855 | 1    | RETAINER                                                                | } Late design                   |
| 41   | 74395935 | 1    | NUT                                                                     |                                 |





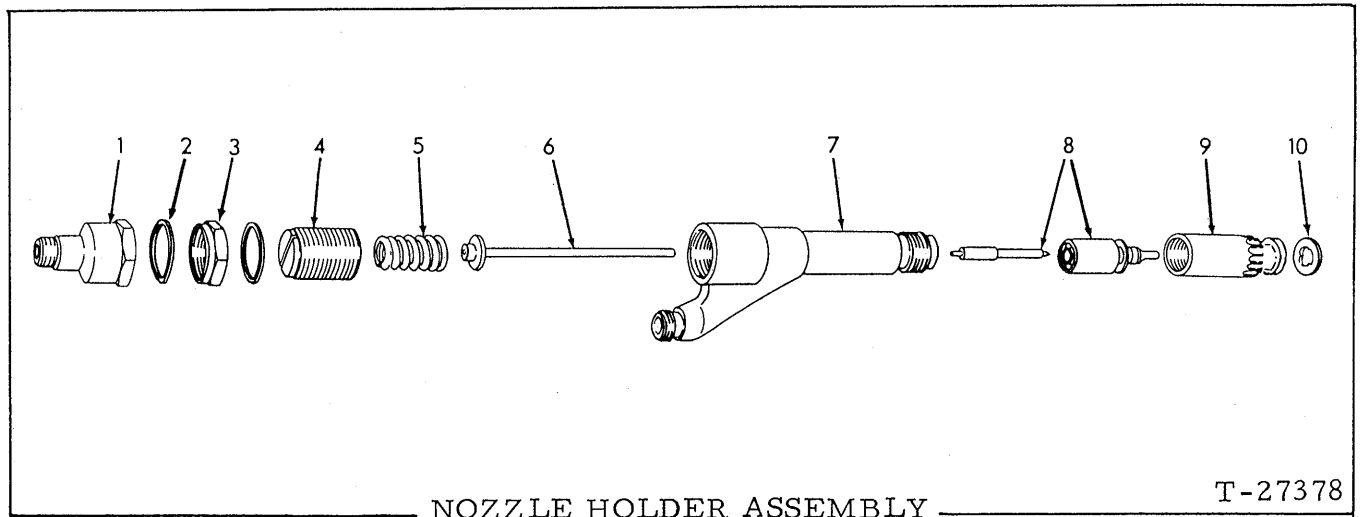
USAGE: 6138 LT engines

| ITEM | PART NO. | QTY. | DESCRIPTION                                |                      |
|------|----------|------|--------------------------------------------|----------------------|
| 1    | -----    | 6    | HOLDER ASSY., Nozzle (See page 63)         |                      |
| 2    | 74387385 | 6    | CLAMP                                      |                      |
|      | 74115287 | 6    | NUT, 3/8"NF                                |                      |
| 3    | 74379572 | 6    | WASHER                                     |                      |
| 4    | 74390093 | 2    | TUBE ASSY. (#1 and #4 cylinder)            | } Each includes nuts |
| 5    | 74390094 | 2    | TUBE ASSY. (#2 and #5 cylinder)            |                      |
| 6    | 74390095 | 2    | TUBE ASSY. (#3 and #6 cylinder)            |                      |
| 7    | 74386601 | 6    | CONNECTOR                                  |                      |
|      | 70919303 | 6    | NUT, jam, 9/16"NF                          |                      |
|      | 70914659 | 6    | WASHER                                     |                      |
| 8    | 70923645 | 6    | □ O-RING                                   |                      |
| 9    | 74386602 | 2    | CONNECTOR                                  |                      |
| 10   | 70923645 | 2    | □ O-RING                                   |                      |
| 11   | 74377267 | 2    | NUT                                        |                      |
|      | 74396053 | 2    | SPACER                                     |                      |
| 12   | 74396020 | 2    | MANIFOLD ASSY. (Includes nuts and sleeves) |                      |
|      | 70917809 | 8    | NUT, Imperial, 1/4" tube                   |                      |
|      | 74255956 | 8    | □ SLEEVE, Imperial, 1/4" tube              |                      |
| 13   | 74255179 | 2    | CLIP                                       |                      |
| 14   | 74395541 | 1    | TUBE ASSY. (#1 cylinder)                   | } Each includes nuts |
| 15   | 74395542 | 1    | TUBE ASSY. (#2 cylinder)                   |                      |
| 16   | 74395543 | 1    | TUBE ASSY. (#3 cylinder)                   |                      |
| 17   | 74396479 | 1    | TUBE ASSY. (#4 cylinder)                   |                      |
| 18   | 74395545 | 1    | TUBE ASSY. (#5 cylinder)                   |                      |
| 19   | 74395546 | 1    | TUBE ASSY. (#6 cylinder)                   |                      |
|      |          |      | (Continued)                                |                      |

## INJECTION NOZZLE LINES (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                                          |
|------|----------|------|----------------------------------------------------------------------|
| 20   | 74392789 | 1    | TUBE (fuel return, front)                                            |
|      | 70917809 | 2    | NUT, Imperial, 1/4" tube                                             |
|      | 74255956 | 2    | SLEEVE, Imperial, 1/4" tube                                          |
| 21   | 74392788 | 1    | TUBE (fuel return, rear)                                             |
|      | 70917809 | 2    | NUT, Imperial, 1/4" tube                                             |
|      | 74255956 | 2    | SLEEVE, Imperial, 1/4" tube                                          |
| 22   | 74386617 | 1    | CLIP                                                                 |
|      | 70901171 | 1    | SCREW, machine, #10-24NC x 3/8"                                      |
|      | 70904203 | 1    | LOCKWASHER, #10                                                      |
|      | 70901310 | 1    | NUT, #10-24NC                                                        |
|      | 70915408 | 1    | CAPSCREW, 3/8"NC x 3/4"                                              |
|      | 70910287 | 1    | LOCKWASHER, 3/8"                                                     |
| 23   | 74395227 | 1    | TUBE (fuel return, lower)                                            |
|      | 70917809 | 2    | NUT, Imperial, 1/4" tube                                             |
|      | 74255956 | 2    | SLEEVE, Imperial, 1/4" tube                                          |
|      | 70919797 | 1    | TEE                                                                  |
| 24   | 74395690 | 1    | TUBE (pump overflow)                                                 |
|      | 70917809 | 2    | NUT, Imperial, 1/4" tube                                             |
|      | 74255956 | 2    | SLEEVE, Imperial, 1/4" tube                                          |
|      | 70921378 | 1    | TEE, Imperial, 1/4" tube, 1/4"NPT                                    |
|      | 70920242 | 1    | CONNECTOR, Imperial, 1/4" tube, 1/4"NPT male                         |
| 25   | -----    | 1    | HOSE (See page 57)                                                   |
| 26   | -----    | 1    | PUMP ASSY., fuel injection (See page 59A)                            |
| 27   | 74396752 | 1    | VALVE ASSY., return relief (Includes item 28,<br>29, 30, 31, and 38) |
|      | 70930299 | 1    | WASHER, copper                                                       |
| 28   | -----    | 1    | BODY (Not serviced separately)                                       |
| 29   | 74337022 | 1    | BALL                                                                 |
| 30   | -----    | 1    | SPRING (Order item 27)                                               |
| 31   | 74396754 | 1    | RETAINER                                                             |
| 32   | 74003510 | 1    | CLAMP                                                                |
| 33   | -----    | 6    | STUD (See page 29)                                                   |
| 34   | 74395878 | 2    | BRACKET                                                              |
|      | 74507414 | 2    | CLAMP                                                                |
|      | 74507358 | 4    | SPACER                                                               |
|      | 70918794 | 4    | CAPSCREW, 1/4"NC x 1-3/8"                                            |
|      | 70904204 | 4    | LOCKWASHER, 1/4"                                                     |
|      | 70910880 | 4    | NUT, 1/4"NC                                                          |
| 35   | 74020725 | 2    | CLAMP                                                                |
|      | 74020724 | 2    | SPACER                                                               |
|      | 70918794 | 2    | CAPSCREW, 1/4"NC x 1-3/8"                                            |
|      | 70904204 | 2    | LOCKWASHER, 1/4"                                                     |
|      | 70910880 | 2    | NUT, 1/4"NC                                                          |
| 36   | 74507416 | 2    | CLAMP                                                                |
|      | 74507360 | 2    | SPACER                                                               |
|      | 70918794 | 2    | CAPSCREW, 1/4"NC x 1-3/8"                                            |
|      | 70904204 | 2    | LOCKWASHER, 1/4"                                                     |
|      | 70910880 | 2    | NUT, 1/4"NC                                                          |
| 37   | 74396083 | 1    | BRACKET                                                              |
|      | 74507415 | 1    | CLAMP                                                                |
|      | 74507359 | 2    | SPACER                                                               |
|      | 70918794 | 2    | CAPSCREW, 1/4"NC x 1-3/8"                                            |
|      | 70904204 | 2    | LOCKWASHER, 1/4"                                                     |
|      | 70910880 | 2    | NUT, 1/4"NC                                                          |
| 38   | 74395935 | 1    | NUT                                                                  |

(Revised April 1981)



NOZZLE HOLDER ASSEMBLY

T-27378

USAGE: See page 61 and 62A

\*Engines prior to serial No. 17-02422  
 \*\*Engine serial No. 17-02422 thru 17-04656  
 \*\*\*Engine serial No. 17-04657 and up

| ITEM                                                          | PART NO. | QUANTITY |    |     | DESCRIPTION                                  |
|---------------------------------------------------------------|----------|----------|----|-----|----------------------------------------------|
|                                                               |          | *        | ** | *** |                                              |
| <u>NOTE:</u> Quantities are for one (1) Holder Assembly only. |          |          |    |     |                                              |
| -                                                             | 74392304 | 1        | -  | -   | HOLDER ASSY., (long Sac type)                |
| -                                                             | 74392121 | -        | 1  | -   | HOLDER ASSY. (short Sac type)                |
| -                                                             | 74396059 | -        | -  | 1   | HOLDER ASSY.                                 |
| -                                                             | 74062107 | 1        | 1  | 1   | HOLDER ASSY. (Includes items 1 thru 7 and 9) |
| 1                                                             | 74396054 | 1        | 1  | 1   | CAP                                          |
| 2                                                             | 74511243 | 2        | 2  | 2   | GASKET, cap nut                              |
| 3                                                             | 74517266 | 1        | 1  | 1   | NUT, locking                                 |
| 4                                                             | 74378033 | 1        | 1  | 1   | SCREW, adjusting                             |
| 5                                                             | 74380652 | 1        | 1  | 1   | SPRING                                       |
| 6                                                             | 74391240 | 1        | 1  | 1   | SPINDLE                                      |
| 7                                                             | -----    | 1        | 1  | 1   | BODY (Not serviced separately)               |
| 8                                                             | 74392305 | 1        | -  | -   | NOZZLE ASSY. (long Sac Type)                 |
|                                                               | 74390006 | -        | 1  | 1   | NOZZLE ASSY. (short Sac type)                |
| 9                                                             | 74392057 | 1        | 1  | 1   | NUT, nozzle retaining                        |
| 10                                                            | 74378031 | 1        | 1  | 1   | □GASKET, nozzle                              |

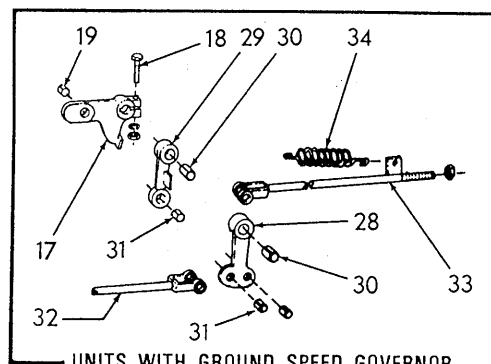
Not serviced.  
Order HOLDER  
ASSY. 74062107  
and item 8.

Each includes  
item 10

Not serviced.  
 Order HOLDER  
 ASSY. 74062107  
 and item 8.

Each includes  
 item 10

(Revised September 1979)



UNITS WITH GROUND SPEED GOVERNOR

T-75870

# THROTTLE CONTROL

\* Tractors prior to S/N 19S15213

\*\* Tractors S/N 19S15213 and up

| ITEM | PART NO. | QTY. | DESCRIPTION                                             |                                                     |
|------|----------|------|---------------------------------------------------------|-----------------------------------------------------|
|      |          | * ** |                                                         |                                                     |
| 1    | 70090020 | 1 1  | KNOB, operating lever                                   |                                                     |
| 2    | 70631975 | 1 1  | LEVER, operating                                        |                                                     |
| 3    | 70666219 | 1 1  | ROD, upper                                              |                                                     |
| 4    | 70078810 | 8 8  | PIN, yoke, control rod                                  |                                                     |
|      | 70900942 | 8 8  | PIN, cotter, 3/32" x 5/8"                               |                                                     |
| 5    | 70081094 | 1 1  | BELLCRANK, upper rod                                    |                                                     |
| 6    | 70052225 | 1 1  | RING, snap, bellcrank retaining                         |                                                     |
| 7    | 70628736 | 2 2  | YOKE, rod                                               |                                                     |
| 8    | 70656937 | 1 1  | ROD, intermediate, upper                                |                                                     |
|      | 70911048 | 1 1  | NUT, jam, 3/8" NF                                       |                                                     |
| 9    | 70631683 | 1 1  | FRICITION ASSY. (Includes items 11 thru 16)             |                                                     |
| 10   | 70920583 | 2 2  | CAPSCREW, 1/2" NC x 1-1/2"                              |                                                     |
|      | 70912441 | 2 2  | LOCKWASHER, 1/2"                                        |                                                     |
|      | 70900369 | 2 2  | NUT, 1/2" NC                                            |                                                     |
|      | 70900806 | 1 1  | PIN, cotter, 1/8" x 1"                                  |                                                     |
| 11   | 70631682 | 1 1  | SHAFT, friction                                         |                                                     |
|      | 70904369 | 1 1  | LOCKWASHER, 3/4"                                        |                                                     |
|      | 70916591 | 1 1  | NUT, elastic stop, 3/4" NF                              |                                                     |
| 12   | 70632716 | 2 2  | KEY, friction washer                                    |                                                     |
| 13   | 70632710 | 2 2  | WASHER, friction                                        |                                                     |
| 14   | 70632747 | 2 2  | DISC, friction                                          |                                                     |
| 15   | 70632766 | 1 1  | HOUSING ASSY., friction (Includes item 16)              |                                                     |
| 16   | 70632752 | 1 1  | BUSHING, friction housing                               |                                                     |
| 17   | 70631494 | 1 1  | LEVER ASSY., friction shaft (Includes item 19)          |                                                     |
| 18   | 70920660 | 1 1  | CAPSCREW, 5/16" NC x 1-1/2"                             |                                                     |
|      | 70919311 | 1 1  | LOCKWASHER, 5/16"                                       |                                                     |
|      | 70900366 | 1 1  | NUT, 5/16" NC                                           |                                                     |
| 19   | 70624584 | 1 1  | BUSHING, friction shaft lever                           |                                                     |
| 20   | 70632756 | 1 1  | KEY, friction shaft lever                               |                                                     |
| 21   | 70666795 | 1 1  | LEVER ASSY., intermediate lower rod                     | For units<br>without<br>GROUND<br>SPEED<br>GOVERNOR |
|      |          |      | (Includes items 22 and 23)                              |                                                     |
| 22   | 70631476 | 1 1  | BUSHING, intermediate lower rod lever (Large)           |                                                     |
| 23   | 70624584 | 2 2  | BUSHING, intermediate lower rod lever (Small)           |                                                     |
| 24   | 70610563 | 1 1  | SPACER, intermediate lower rod lever                    |                                                     |
| 25   | 70667557 | 1 -  | ROD, intermediate, lower                                | For units<br>with<br>GROUND<br>SPEED<br>GOVERNOR    |
|      | 73116453 | - 1  | ROD, intermediate, lower                                |                                                     |
| 26   | 70043881 | 1 1  | SPRING, retracting, intermediate rod                    |                                                     |
| 27   | 70631653 | 1 1  | ROD, decelerator                                        |                                                     |
|      | 70911048 | 1 1  | NUT, jam, 3/8" NF                                       |                                                     |
| 28   | 70631496 | 1 1  | LEVER ASSY.                                             |                                                     |
| 29   | 70631498 | 1 1  | LEVER ASSY., decelerator rod (Includes items 30 and 31) |                                                     |
| 30   | 70631476 | 2 2  | BUSHING, lever (large)                                  |                                                     |
| 31   | 70624584 | 3 3  | BUSHING, lever (small)                                  |                                                     |
| 32   | 70631650 | 1 1  | ROD, intermediate, lower                                |                                                     |
| 33   | 70631652 | 1 1  | ROD, decelerator                                        |                                                     |
|      | 70911048 | 1 1  | NUT, jam, 3/8" NF                                       |                                                     |
| 34   | 70072438 | 1 1  | SPRING, retracting, decelerator rod                     |                                                     |

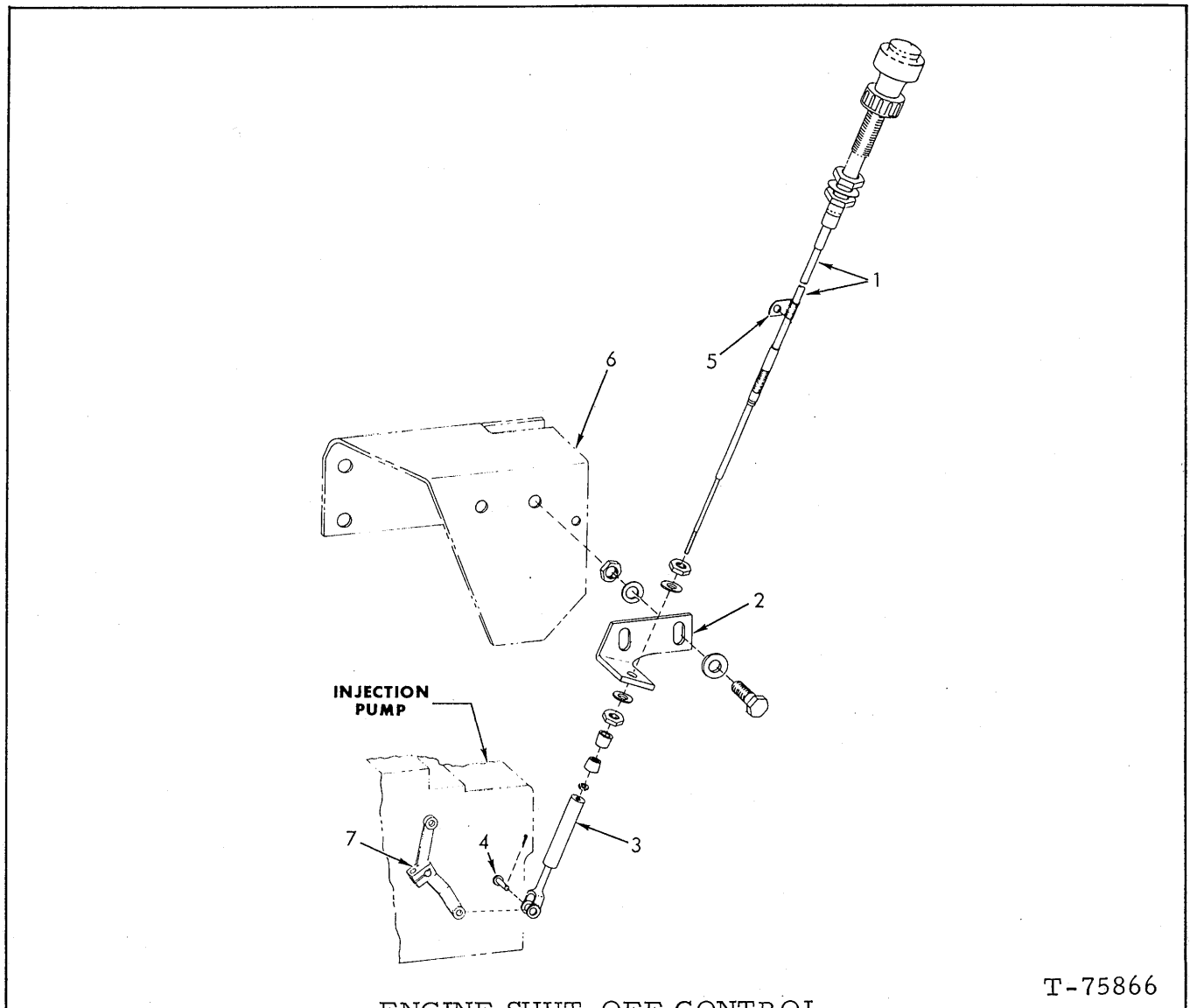
(Continued)

(Revised April 1980)

THROTTLE CONTROL (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                               |
|------|----------|------|-----------------------------------------------------------|
|      |          | * ** |                                                           |
| 35   | 70674774 | 1 1  | BELLCRANK ASSY., lower rod (Includes items 36, 37 and 38) |
| 36   | 70624584 | 1 1  | BUSHING, bellcrank (3/8" long)                            |
| 37   | 70631476 | 1 1  | BUSHING, bellcrank (7/8" long)                            |
| 38   | 70624585 | 1 1  | BUSHING, bellcrank (1/4" long)                            |
| 39   | 70634650 | 1 -  | CAPSCREW, lever stop (3/8"NC x 1-1/2")                    |
|      | 70921076 | - 1  | CAPSCREW, lever stop (3/8"NC x 1-1/4")                    |
|      | 70911034 | 1 1  | NUT, jam, 3/8" NC                                         |
| 40   | 70674755 | 1 -  | ROD, lower                                                |
|      | 73116481 | - 1  | ROD, lower                                                |
|      | 70910267 | 1 1  | NUT, jam, 1/4"NF                                          |
| 41   | 70628737 | 1 1  | YOKE, lower rod                                           |
| 42   | 70628738 | 2 2  | PIN, yoke, lower rod                                      |
|      | 70900970 | 2 2  | PIN, cotter, 1/16" x 1/2"                                 |
| 43   | 70665462 | 1 -  | BRACKET, control linkage supporting                       |
|      | 70921175 | 3 -  | CAPSCREW, 1/2"NC x 1"                                     |
|      | 70912441 | 3 -  | LOCKWASHER, 1/2"                                          |
|      | 73117283 | - 1  | BRACKET, control linkage supporting                       |
|      | 70920582 | - 1  | CAPSCREW, 1/2"NC x 1-1/4"                                 |
|      | 70929059 | - 2  | CAPSCREW, Nylok, 1/2"NC x 2-3/4"                          |
|      | 70677008 | - 3  | WASHER                                                    |
|      | 70910244 | 1 1  | WASHER, plain, SAE std., 1/2"                             |
|      | 70900806 | 1 1  | PIN, cotter, 1/8" x 1"                                    |
| 44   | 70643437 | 1 1  | PEDAL ASSY., decelerator (Includes items 45 and 46)       |
| 45   | 70063222 | 2 2  | BUSHING, decelerator pedal (large)                        |
| 46   | 70624584 | 1 1  | BUSHING, decelerator pedal (small)                        |
| 47   | 70631646 | 1 1  | SHAFT, decelerator pedal                                  |
|      | 70918111 | 1 1  | PIN, spring, 1/8" x 1"                                    |
| 48   | 70921539 | 1 1  | CAPSCREW, pedal stop (1/2"NC x 3-1/2")                    |
|      | 70911035 | 1 1  | NUT, jam, 1/2"NC                                          |
| 49   | 74393259 | 1 -  | LEVER                                                     |
|      | 70916277 | 1 -  | CAPSCREW, 5/16"NC x 5/8"                                  |
|      | 70904205 | 1 -  | LOCKWASHER, 5/16"                                         |
|      | 73117281 | - 1  | LEVER ASSY. (Includes item 52)                            |
|      | 70922925 | - 1  | CAPSCREW, 5/16"NC x 3/4"                                  |
|      | 70929662 | - 1  | WASHER, plain, 5/16"                                      |
| 50   | 70910244 | - 1  | WASHER, plain, SAE std., 1/2"                             |
| 51   | 73116455 | - 1  | PLATE, spring attaching                                   |
| 52   | 70624585 | - 1  | BUSHING                                                   |

(Revised April 1981)



T-75866

# ENGINE SHUT-OFF CONTROL

USAGE: Tractors prior to serial No. 19S14886. See page 67A for second type.

| ITEM | PART NO. | QTY. | DESCRIPTION                                                     |                                 |
|------|----------|------|-----------------------------------------------------------------|---------------------------------|
| 1    | 70665458 | 1    | CABLE ASSY., push-pull (Serviced only as a unit)                |                                 |
| 2    | 70674754 | 1    | ANGLE, cable supporting                                         |                                 |
|      | 70921076 | 2    | CAPSCREW, 3/8" NC x 1-1/4"                                      |                                 |
|      | 70677006 | 2    | WASHER, plain                                                   |                                 |
|      | 70910287 | 2    | LOCKWASHER, 3/8"                                                |                                 |
|      | 70900367 | 2    | NUT, 3/8" NC                                                    |                                 |
| 3    | 70674753 | 1    | ROD, shut-off                                                   |                                 |
| 4    | 70628738 | 1    | PIN, shut-off rod                                               |                                 |
|      | 70900970 | 1    | PIN, cotter, 1/16" x 1/2"                                       |                                 |
| 5    | 70639314 | 1    | CLIP (3/8" diam., 13/32" bolt-hole)                             | } Tractors prior to unit #14249 |
|      | 70927400 | 1    | CAPSCREW, 3/8" NC x 5/8"                                        |                                 |
|      | 70910287 | 1    | LOCKWASHER, 3/8"                                                |                                 |
|      | 70927384 | 1    | CLIP (3/8" diam., 17/32" bolt-hole)(Tractor unit #14249 and up) |                                 |
| 6    | -----    | 1    | BRACKET (See THROTTLE CONTROL)                                  |                                 |
| 7    | 74393260 | 1    | LEVER                                                           |                                 |
|      | 70916277 | 1    | CAPSCREW, 5/16" NC x 5/8"                                       |                                 |
|      | 70904205 | 1    | LOCKWASHER, 5/16"                                               |                                 |

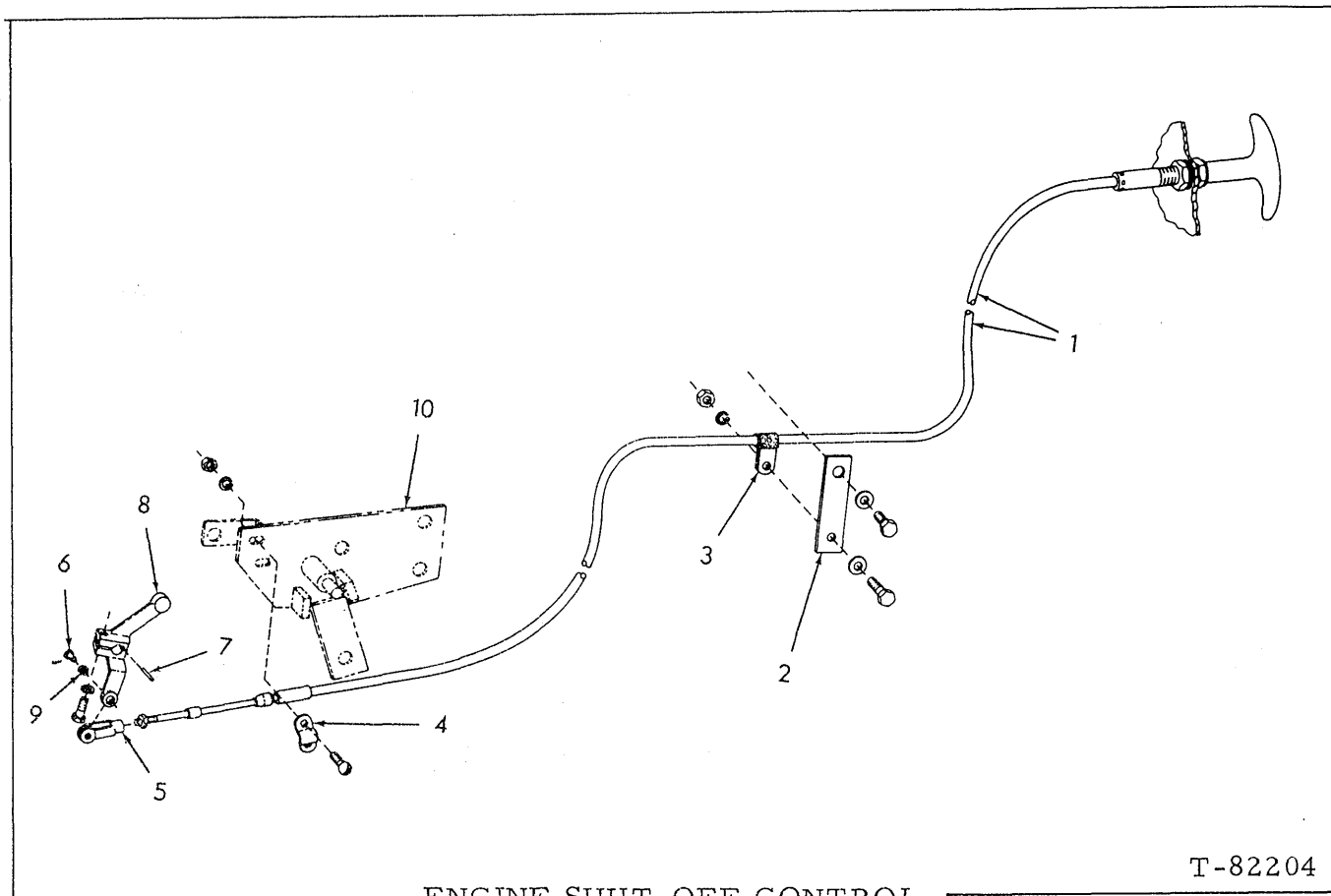
(Revised April 1980)





ENGINE SHUT-OFF CONTROL (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION            |
|------|----------|------|------------------------|
| 11   | 70662427 | 1    | CLAMP                  |
|      | 70917388 | 2    | SCREW, #10-24NC x 3/4" |
|      | 70926673 | 2    | NUT, #10-24NC          |
| 12   | -----    | 1    | BRACKET (See page 65)  |
| 13   | 70927384 | 1    | CLIP                   |
|      | 70922763 | 1    | CAPSCREW, 3/8"NC x 1"  |
|      | 70677006 | 1    | WASHER                 |
|      | 70910287 | 1    | LOCKWASHER, 3/8"       |
|      | 70900367 | 1    | NUT, 3/8"NC            |
| 14   | 70644162 | 1    | STRAP                  |



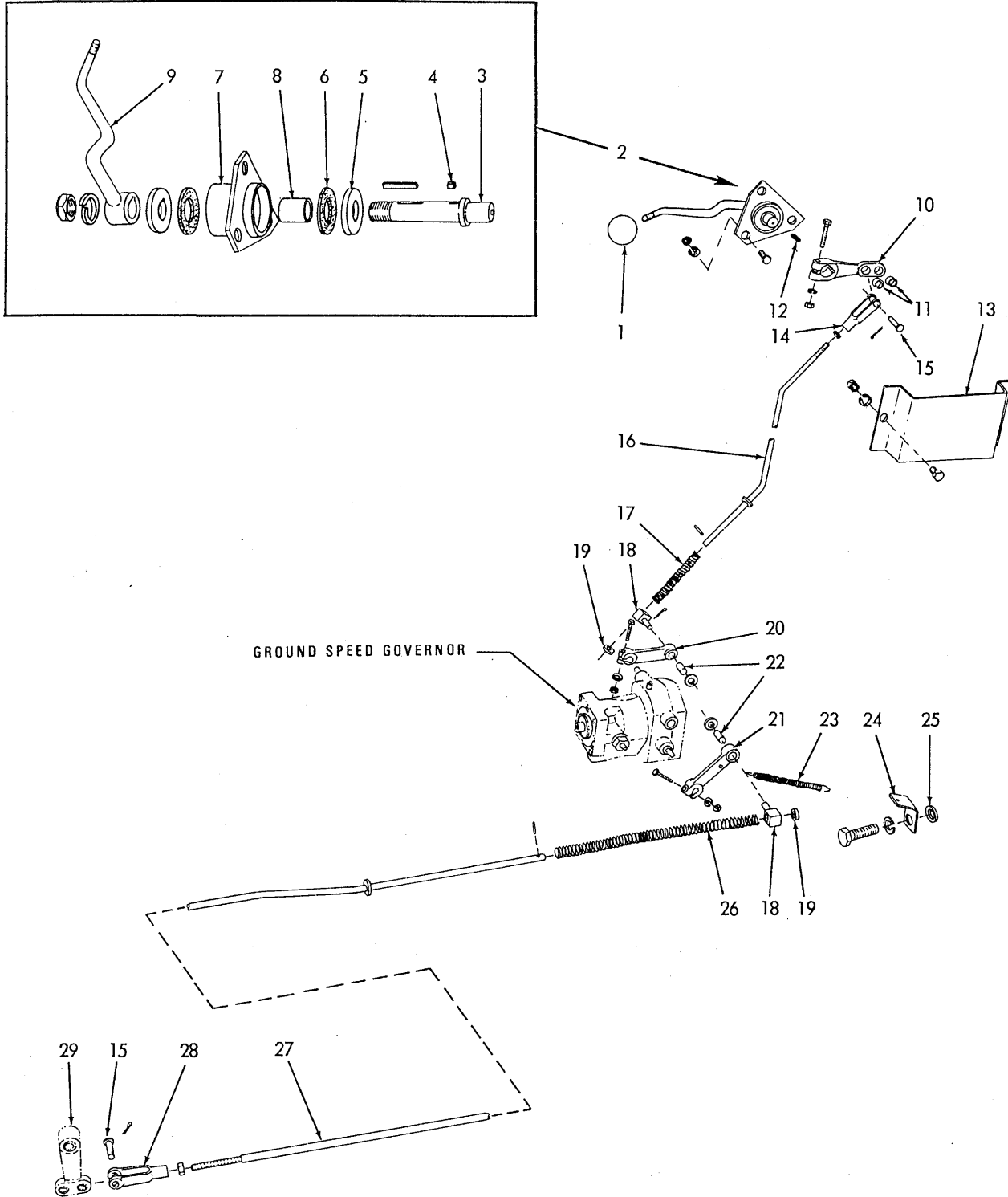
T-82204

### ENGINE SHUT-OFF CONTROL

USAGE: Tractors serial No. 19S15213 and up. See pages 67 and 67A for first and second types.

| ITEM | PART NO. | QTY. | DESCRIPTION                                      |
|------|----------|------|--------------------------------------------------|
| 1    | 73116480 | 1    | CABLE ASSY., push-pull (Serviced only as a unit) |
| 2    | 70644162 | 1    | STRAP                                            |
|      | 70922300 | 1    | CAPSCREW, 3/8" NC x 3/4"                         |
|      | 70677006 | 1    | WASHER                                           |
| 3    | 70927384 | 1    | CLIP                                             |
|      | 70922763 | 1    | CAPSCREW, 3/8" NC x 1"                           |
|      | 70677006 | 1    | WASHER                                           |
|      | 70910287 | 1    | LOCKWASHER, 3/8"                                 |
|      | 70900367 | 1    | NUT, 3/8" NC                                     |
| 4    | 70662427 | 1    | CLAMP                                            |
|      | 70917388 | 2    | SCREW, #10-24 NC x 3/4"                          |
|      | 70911982 | 2    | WASHER                                           |
|      | 70926673 | 2    | NUT, #10-24 NC                                   |
| 5    | 73117280 | 1    | YOKE                                             |
| 6    | 70638738 | 1    | PIN                                              |
|      | 70900970 | 1    | PIN, cotter, 1/16" x 1/2"                        |
| 7    | 73118261 | 1    | KEY                                              |
| 8    | 73117282 | 1    | LEVER ASSY. (Includes item 9)                    |
|      | 70922925 | 1    | CAPSCREW, 5/16" NC x 3/4"                        |
|      | 70929662 | 1    | WASHER, plain, 5/16"                             |
| 9    | 70624585 | 1    | BUSHING                                          |
| 10   | -----    | 1    | BRACKET (See page 66)                            |

(Revised April 1980)



GOVERNOR CONTROL LINKAGE

T-75871

GOVERNOR CONTROL LINKAGE

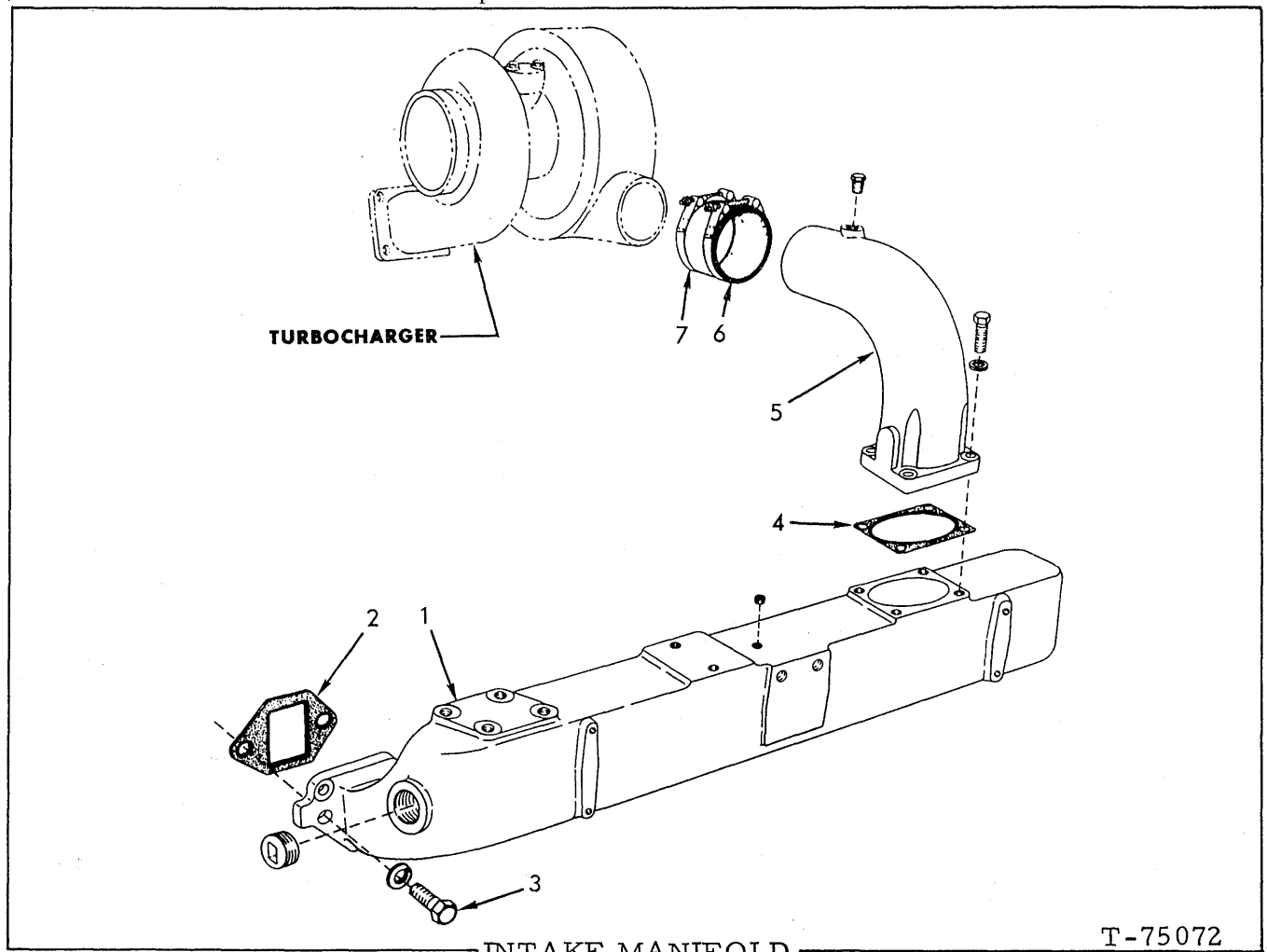
USAGE: For units with GROUND SPEED GOVERNOR only

| ITEM | PART NO.  | QTY. | DESCRIPTION                                    |
|------|-----------|------|------------------------------------------------|
| 1    | 70090020  | 1    | KNOB, friction lever                           |
| 2    | 70 665460 | 1    | FRICTION ASSY. (Includes items 3 thru 9)       |
|      | 70922262  | 3    | CAPSCREW, 3/8"NC x 7/8"                        |
|      | 70910287  | 3    | LOCKWASHER, 3/8"                               |
|      | 70911026  | 3    | NUT, 3/8"NC                                    |
| 3    | 70632162  | 1    | SHAFT, friction                                |
|      | 70915569  | 1    | KEY, straight, 3/16" x 3/16" x 1-1/8"          |
|      | 70904369  | 1    | LOCKWASHER, 3/4"                               |
|      | 70914452  | 1    | NUT, elastic stop, 3/4"NF                      |
| 4    | 70632716  | 1    | KEY, friction washer                           |
| 5    | 70632710  | 2    | WASHER, friction                               |
| 6    | 70632747  | 2    | DISC, friction                                 |
| 7    | 70632771  | 1    | HOUSING ASSY., friction (Includes item 8)      |
| 8    | 70632752  | 1    | BUSHING, friction housing                      |
| 9    | 70671012  | 1    | LEVER, friction                                |
| 10   | 70640415  | 1    | LEVER ASSY., upper rod (Includes item 11)      |
|      | 70922286  | 1    | CAPSCREW, 5/16"NC x 1-3/4"                     |
|      | 70910286  | 1    | LOCKWASHER, 5/16"                              |
|      | 70911025  | 1    | NUT, 5/16"NC                                   |
| 11   | 70624584  | 2    | BUSHING, upper rod lever                       |
| 12   | 70632756  | 1    | KEY, upper rod lever                           |
| 13   | 70666403  | 1    | SHIELD, protecting                             |
|      | 70922300  | 2    | CAPSCREW, 3/8"NC x 3/4"                        |
|      | 70910287  | 2    | LOCKWASHER, 3/8"                               |
|      | 70911026  | 2    | NUT, 3/8"NC                                    |
| 14   | 70634074  | 1    | YOKE, intermediate rod                         |
| 15   | 70078810  | 2    | PIN, control rod yoke                          |
|      | 70900942  | 2    | PIN, cotter, 3/32" x 5/8"                      |
| 16   | 70664816  | 1    | ROD, intermediate                              |
|      | 70911048  | 1    | NUT, jam, 3/8"NF                               |
|      | 70916168  | 1    | PIN, spring, 1/8" x 3/4"                       |
| 17   | 70070212  | 1    | SPRING, intermediate rod                       |
| 18   | 70628116  | 2    | EYE, swivel, governor lever                    |
|      | 70911115  | 2    | WASHER, plain, SAE std., 3/8"                  |
|      | 70900942  | 2    | PIN, cotter, 3/32" x 5/8"                      |
| 19   | 70081672  | 2    | SPACER, control rod                            |
| 20   | 70624624  | 1    | LEVER ASSY., governor inner (Includes item 22) |
|      | 70912177  | 1    | CAPSCREW, 1/4"NF x 1-1/4"                      |
|      | 70910285  | 1    | LOCKWASHER, 1/4"                               |
|      | 70911040  | 1    | NUT, 1/4"NF                                    |

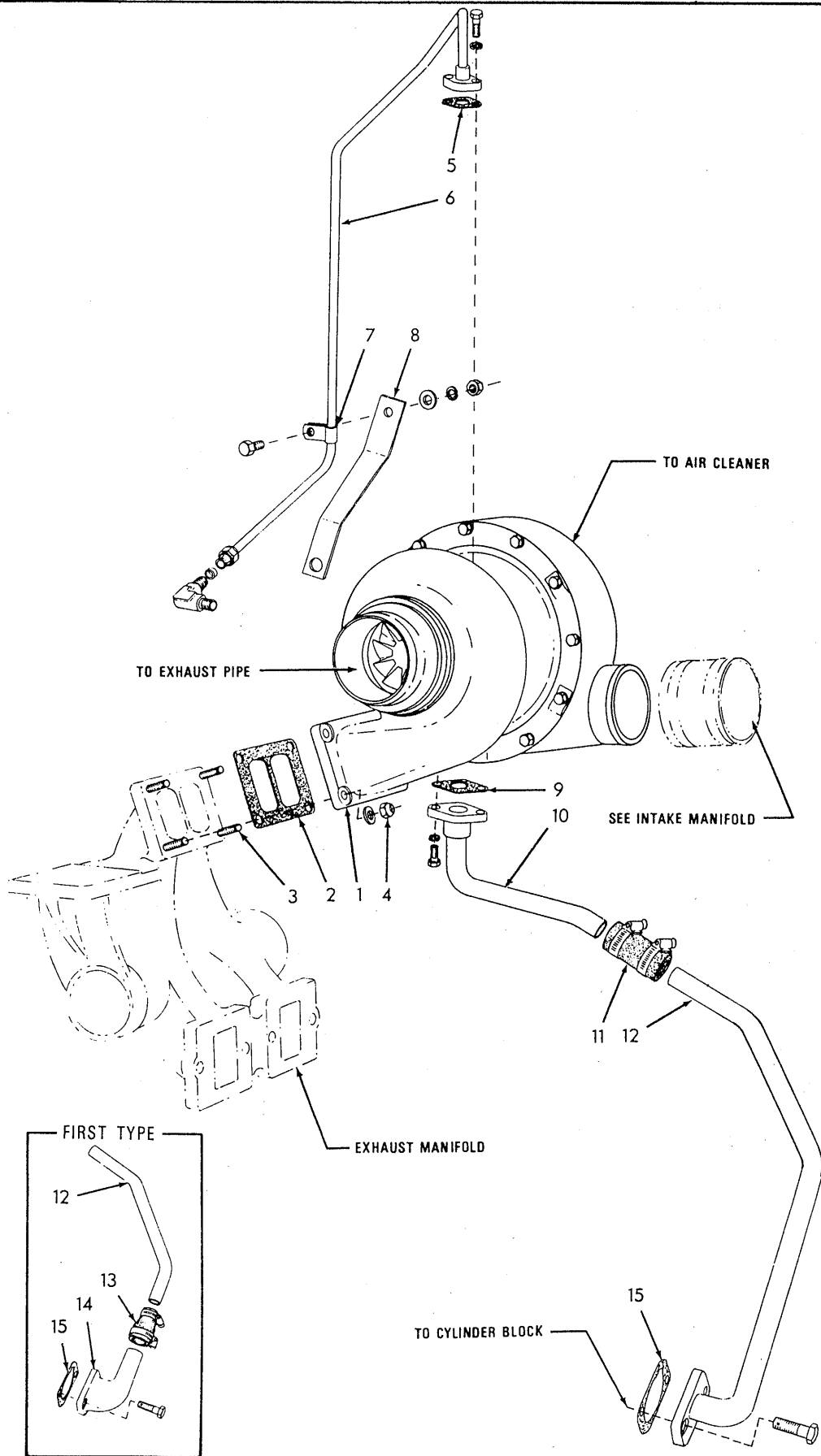
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GOVERNOR CONTROL LINKAGE (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                      |
|------|----------|------|--------------------------------------------------|
| 21   | 70630331 | 1    | LEVER ASSY., governor, outer, (Includes item 22) |
|      | 70912177 | 1    | CAPSCREW, 1/4"NF x 1-1/4"                        |
|      | 70910285 | 1    | LOCKWASHER, 1/4"                                 |
|      | 70911040 | 1    | NUT, 1/4"NF                                      |
| 22   | 70628138 | 2    | BUSHING, governor lever                          |
| 23   | 70621614 | 1    | SPRING, retracting governor lever                |
| 24   | 70631657 | 1    | CLIP, spring retaining                           |
|      | 70916028 | 1    | CAPSCREW, 1/2"NF x 1-3/4"                        |
|      | 70912441 | 1    | LOCKWASHER, 1/2"                                 |
| 25   | 70058614 | 1    | WASHER, plain (For spacing)                      |
| 26   | 70088491 | 1    | SPRING, lower rod                                |
| 27   | 70665159 | 1    | ROD, lower                                       |
|      | 70911048 | 1    | NUT, jam, 3/8"NF                                 |
|      | 70916168 | 1    | PIN, spring, 1/8" x 3/4"                         |
| 28   | 70628736 | 1    | YOKE, lower rod                                  |
| 29   | -----    | 1    | LEVER (See THROTTLE CONTROL)                     |



| ITEM | PART NO. | QTY. | DESCRIPTION                                                                       |
|------|----------|------|-----------------------------------------------------------------------------------|
| 1    | 74393778 | 1    | MANIFOLD, intake (If for engines prior to #17-01953 also order 1 PLUG 70917673)   |
|      | 70901667 | 1    | PLUG, pipe, ctsk-hd., 1-1/4"NPT                                                   |
|      | 70917673 | 1    | PLUG, pipe, ctsk-hd., 1/8"NPT (Engines prior to #17-01953)                        |
|      | 70919840 | 1    | PLUG, pipe, 1/4"NPT                                                               |
| 2    | 74387697 | 6    | □GASKET, intake manifold                                                          |
| 3    | 74255895 | 8    | CAPSCREW, manifold attaching (1-1/4" long)(Engines prior to #17-04657)            |
|      | 74255914 | 8    | CAPSCREW, manifold attaching (1-1/2" long)(4 less used prior to engine #17-04657) |
|      | 74255995 | 4    | CAPSCREW, manifold attaching (1-3/4" long)(Engine #17-04657 and up)               |
|      | 74371107 | 12   | WASHER                                                                            |
| 4    | 74391707 | 1    | □GASKET, elbow to manifold                                                        |
| 5    | 74391704 | 1    | ELBOW, air intake                                                                 |
|      | 70919840 | 1    | PLUG, pipe, hex-hd., 1/4"NPT (not used when engine primer is installed)           |
|      | 70915987 | 4    | CAPSCREW, 1/2"NC x 1-1/2"                                                         |
|      | 74250723 | 4    | WASHER, plain                                                                     |
| 6    | 74388349 | 1    | HOSE, elbow to turbocharger                                                       |
| 7    | 70929416 | 2    | CLAMP, hose                                                                       |



## TURBOCHARGER CONNECTIONS

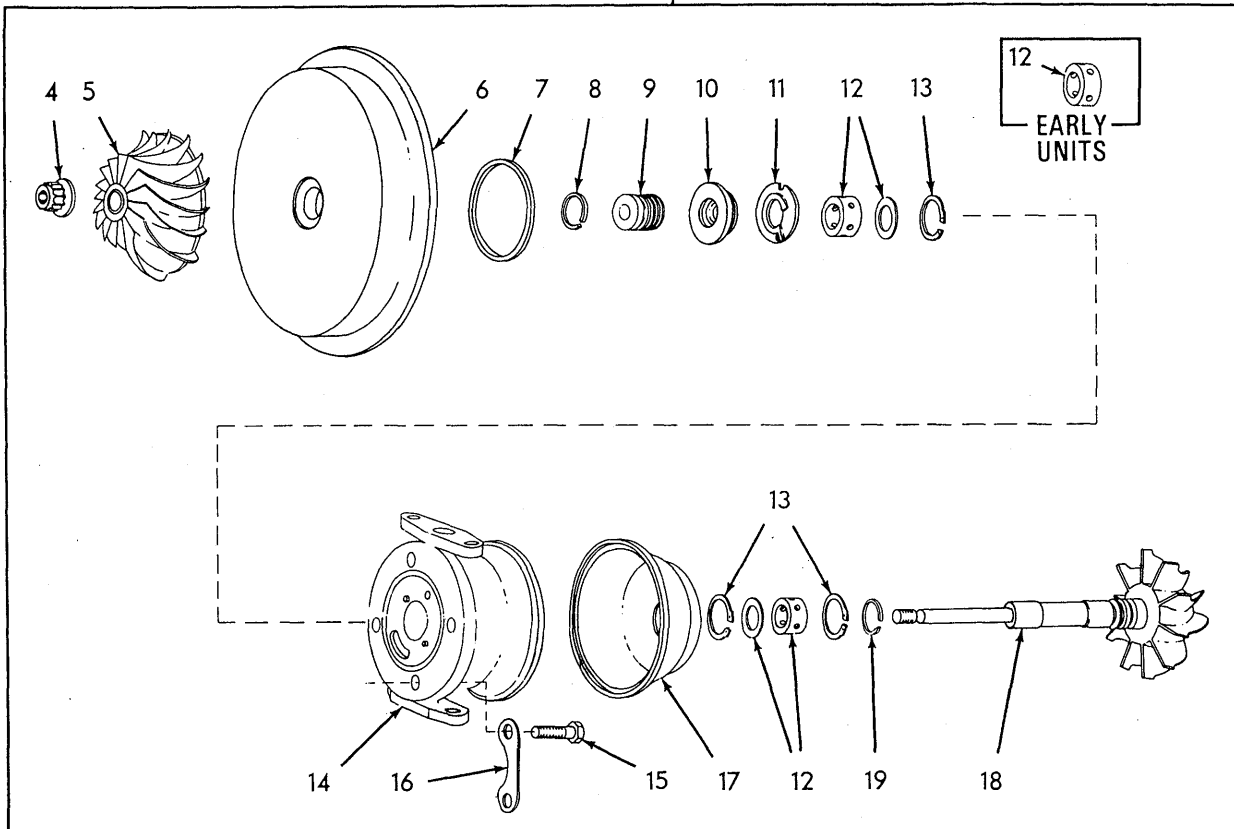
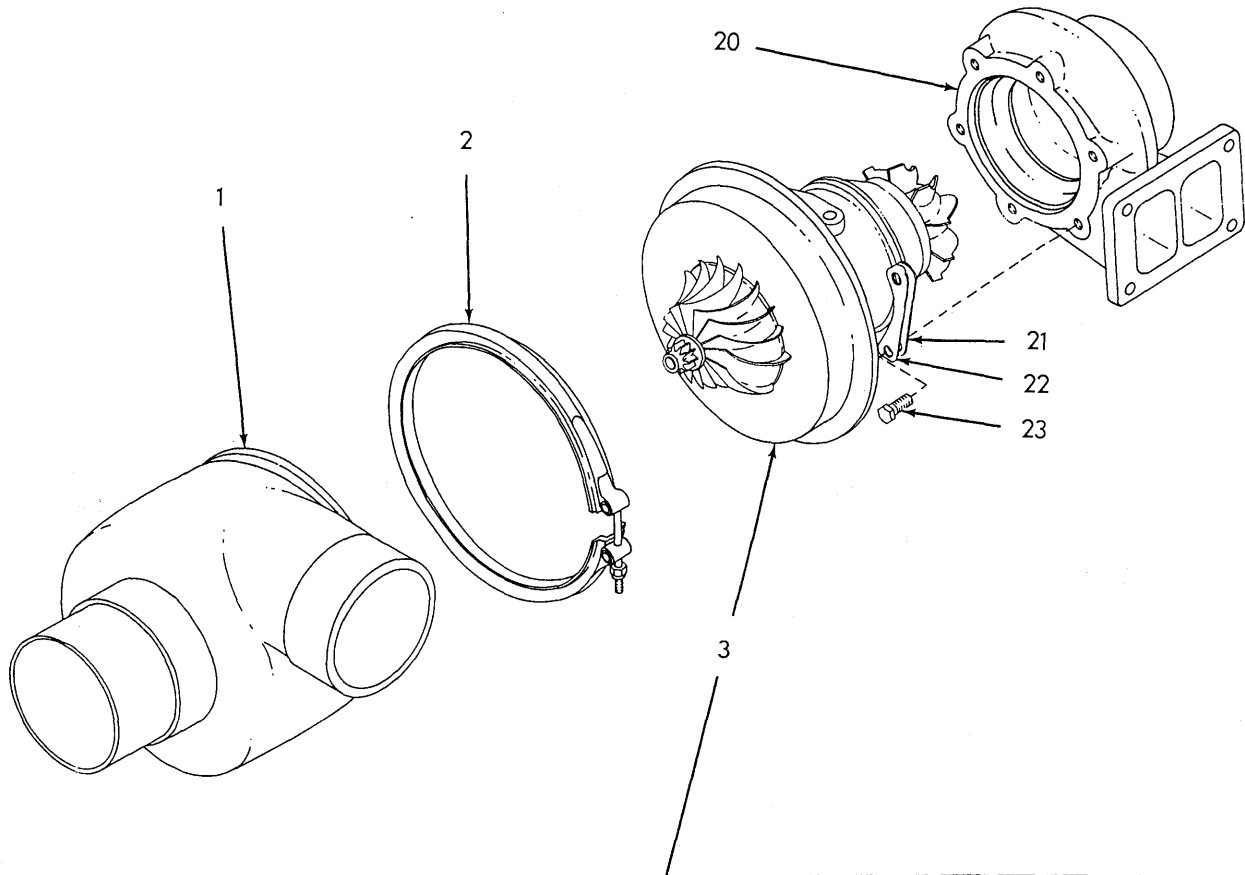
T-75822

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TURBOCHARGER CONNECTIONS

| ITEM | PART NO. | QTY. | DESCRIPTION                                                          |
|------|----------|------|----------------------------------------------------------------------|
| 1    | -----    | 1    | TURBOCHARGER ASSY. (See page 75)                                     |
| 2    | 74393466 | 1    | □GASKET, turbocharger to manifold                                    |
| 3    | 74339535 | 4    | STUD, turbocharger attaching                                         |
| 4    | 74255977 | 4    | NUT                                                                  |
|      | 70913544 | 4    | WASHER                                                               |
| 5    | 74339533 | 1    | □GASKET, oil supply line flange                                      |
| 6    | 74391346 | 1    | TUBE ASSY., oil supply line (Includes NUT and SLEEVE indented below) |
|      | 70917810 | 1    | NUT, Imperial, 3/8" tube                                             |
|      | 70917807 | 1    | SLEEVE, Imperial, 3/8" tube                                          |
|      | 70919005 | 1    | ELBOW, Imperial, 90°, 3/8" tube, 3/8"NPT male                        |
|      | 70916269 | 2    | CAPSCREW, 3/8"NC x 7/8"                                              |
|      | 70904206 | 2    | LOCKWASHER, 3/8"                                                     |
| 7    | 74378298 | 1    | CLAMP, tube                                                          |
|      | 70915408 | 1    | CAPSCREW, 3/8"NC x 3/4"                                              |
|      | 70912007 | 1    | WASHER, plain, 3/8"                                                  |
|      | 70904206 | 1    | LOCKWASHER, 3/8"                                                     |
|      | 70910324 | 1    | NUT, 3/8"NC                                                          |
| 8    | 74391634 | 1    | BRACKET, tube clamp                                                  |
| 9    | 74339532 | 1    | □GASKET, oil drain line, upper                                       |
| 10   | 74395039 | 1    | TUBE, oil drain line, upper                                          |
|      | 70916269 | 2    | CAPSCREW, 3/8"NC x 7/8"                                              |
|      | 70904206 | 2    | LOCKWASHER, 3/8"                                                     |
| 11   | 74387906 | 1    | HOSE, oil drain line                                                 |
|      | 70921911 | 2    | CLAMP, hose                                                          |
| 12   | 74379913 | 1    | TUBE, oil drain line, lower (Engines prior to #17-04339)             |
|      | 74394990 | 1    | TUBE, oil drain line, lower (Engine #17-04339 and up)                |
| 13   | 74379723 | 1    | ADAPTER, oil drain line                                              |
|      | 70921911 | 1    | CLAMP, hose (11/16" to 1-1/4" diam.)                                 |
|      | 70921912 | 1    | CLAMP, hose (1-1/16" to 2" diam.)                                    |
|      |          |      | } Engines prior to #17-04339                                         |
| 14   | 74359972 | 1    | ELBOW, oil drain line (Engines prior to #17-04339)                   |
|      | 70921865 | 2    | CAPSCREW, Nylok, 1/2"NC x 1"                                         |
| 15   | 74310257 | 1    | □GASKET, oil drain line elbow                                        |

(Revised April 1980)





TURBOCHARGER ASSEMBLY

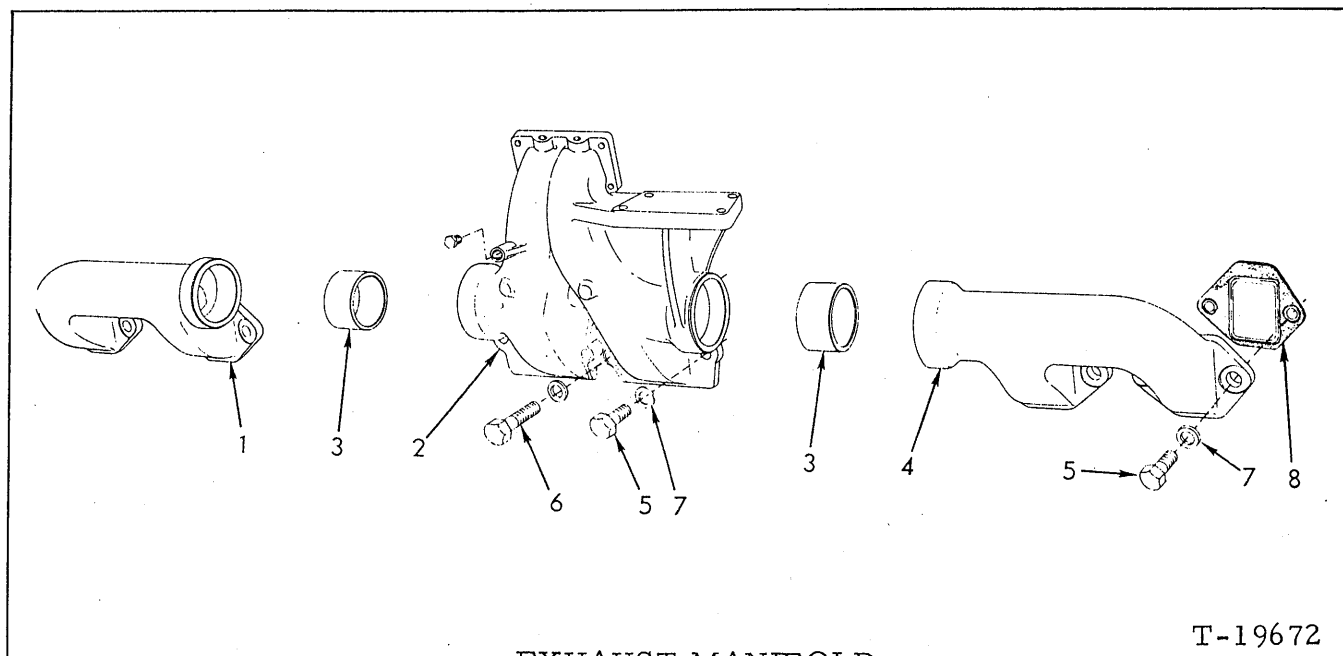
T-70408

# TURBOCHARGER ASSEMBLY

USAGE: See page 73

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                    |
|------|----------|------|--------------------------------------------------------------------------------|
| -    | 74392272 | 1    | TURBOCHARGER ASSY. (TE 0673)(Includes items 1 thru 23)                         |
| 1    | 74060051 | 1    | HOUSING ASSY., compressor (Includes impeller shroud and locating pin)          |
| 2    | 74060052 | 1    | COUPLING, compressor housing                                                   |
| 3    | 74060053 | 1    | HOUSING ASSY. center (Consists of items 4 thru 19)                             |
| 4    | 74056291 | 1    | LOCKNUT, impeller retaining                                                    |
| 5    | 74060056 | 1    | IMPELLER, compressor                                                           |
| 6    | 74059030 | 1    | BACKPLATE ASSY. (Includes thrust washer and orifice pin)                       |
| 7    | 74056300 | 1    | RING, end plate sealing                                                        |
| 8    | 74055195 | 1    | RING, sealing, turbine wheel shaft, compressor end                             |
| 9    | 74056289 | 1    | SPACER, thrust                                                                 |
| 10   | 74059029 | 1    | COLLAR, thrust                                                                 |
| 11   | 74056294 | 1    | BEARING, thrust                                                                |
| 12   | 74056295 | 2    | BEARING, turbine wheel (First type)(Order Second type BEARING and WASHER)      |
|      | 74061213 | 2    | BEARING, turbine wheel                                                         |
|      | 74061214 | 2    | WASHER                                                                         |
| 13   | 74056296 | 3    | RING, snap, bearing retaining                                                  |
| 14   | 74060054 | 1    | HOUSING ASSY., center (Includes dowels)                                        |
| 15   | 74181061 | 4    | BOLT, backplate attaching                                                      |
| 16   | -----    | 4    | LOCKPLATE, back plate attaching bolt (Early Turbo's)(Order LOCKPLATE 74059992) |
|      | 74059992 | 2    | LOCKPLATE, back plate attaching bolt (Late Turbo's)                            |
| 17   | 74056293 | 1    | SHROUD, heat, turbine end                                                      |
| 18   | 74060055 | 1    | WHEEL, turbine                                                                 |
| 19   | 74060057 | 1    | RING, sealing, turbine wheel shaft, exhaust end                                |
| 20   | 74059019 | 1    | HOUSING, turbine                                                               |
| 21   | 74056306 | 3    | PLATE, clamp, center housing                                                   |
| 22   | 74056305 | 3    | LOCKPLATE, clamp plate bolt                                                    |
| 23   | 74056314 | 6    | BOLT, clamp plate (3/8"NC x 5/8")                                              |

(Revised April 1980)

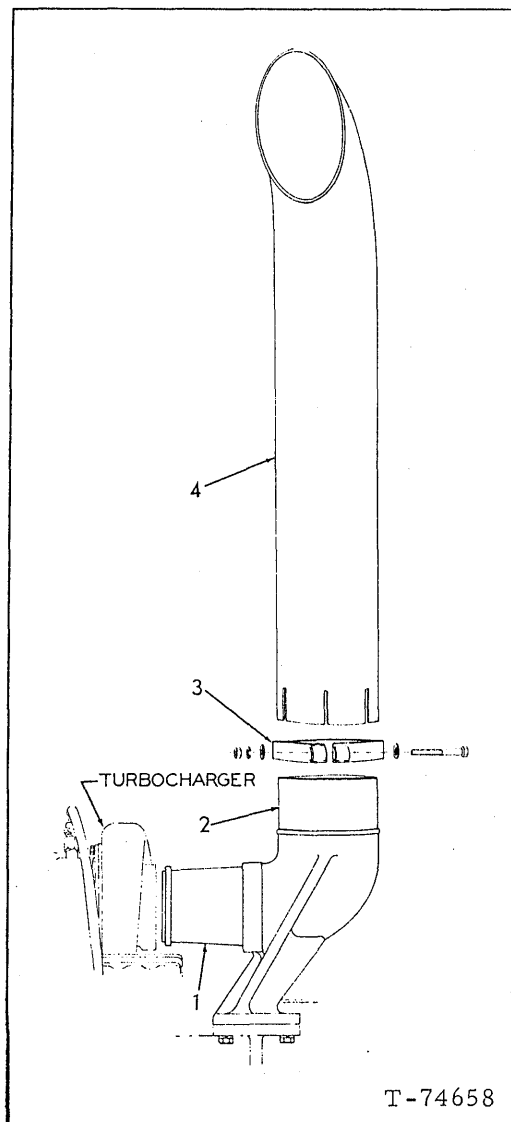


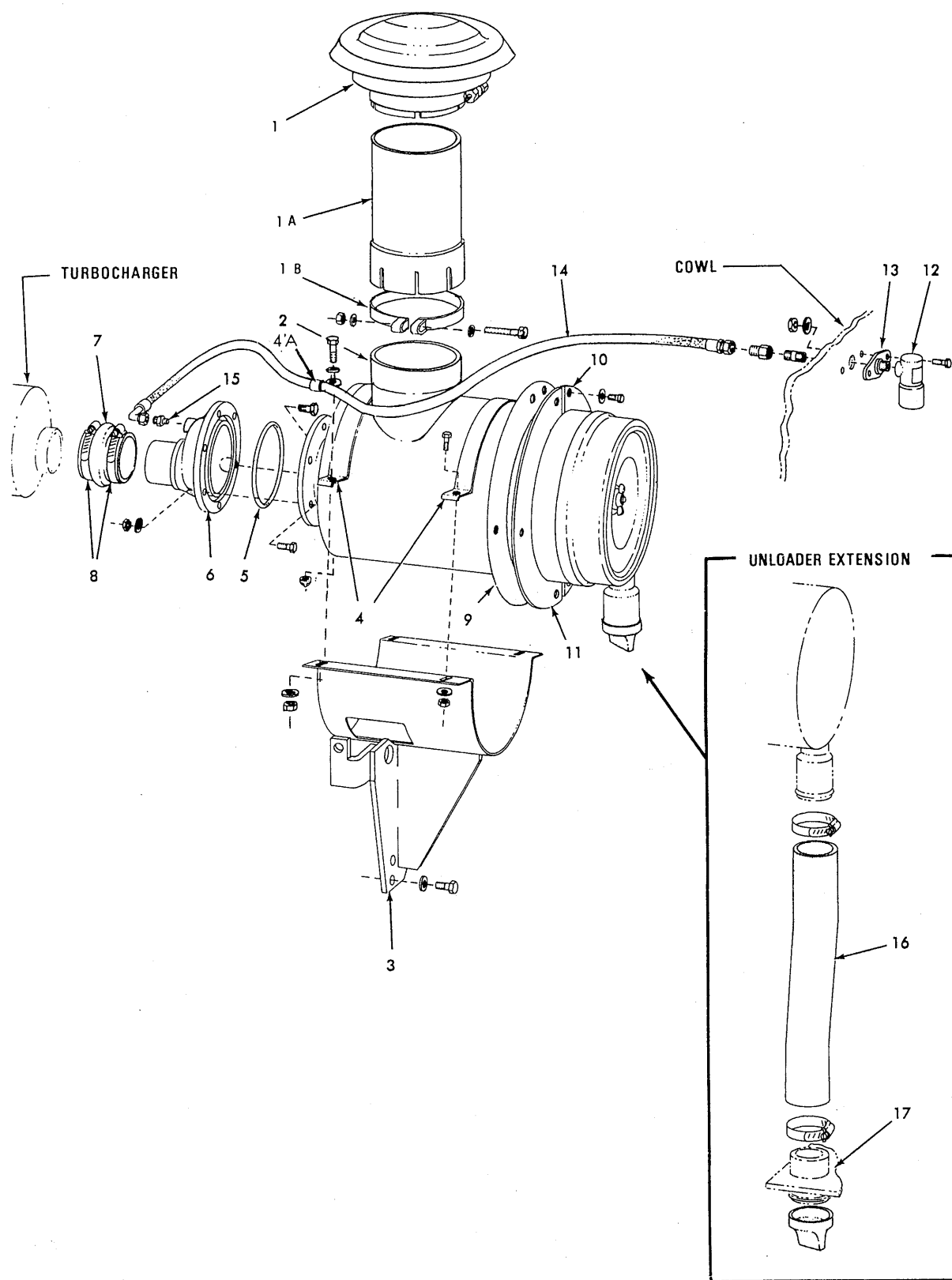
| ITEM | PART NO. | QTY. | DESCRIPTION                                     |
|------|----------|------|-------------------------------------------------|
| 1    | 74395012 | 1    | MANIFOLD, rear section                          |
| 2    | 74393548 | 1    | MANIFOLD, exhaust, center section               |
|      | 70917425 | 2    | PLUG, pipe, hex-hd., brass, 1/4"NPT             |
| 3    | 74391425 | 2    | SLEEVE, connecting (Engines prior to #17-03964) |
| 4    | 74395011 | 1    | MANIFOLD, front section                         |
| 5    | 70915987 | 10   | CAPSCREW, manifold attaching (1-1/2" long)      |
| 6    | 70916317 | 2    | CAPSCREW, manifold attaching (2-3/4" long)      |
| 7    | 74371107 | 12   | WASHER, manifold stud nut                       |
| 8    | 74387697 | 6    | GASKET, manifold                                |

## EXHAUST PIPE

USAGE: Standard on tractors prior to serial No. 19S13609  
Units without muffler.

| ITEM | PART NO. | QTY. | DESCRIPTION                                      |
|------|----------|------|--------------------------------------------------|
| 1    | 74390172 | 1    | DIFFUSER, exhaust                                |
| 2    | 74393563 | 1    | ELBOW, exhaust                                   |
|      | 70919230 | 4    | CAPSCREW, 1/2"NC x<br>1-3/8"                     |
|      | 70904208 | 4    | LOCKWASHER, 1/2"                                 |
| 3    | 70629755 | 1    | CLAMP ASSY., exhaust pipe<br>(Includes hardware) |
| 4    | 70096055 | 1    | PIPE, exhaust                                    |





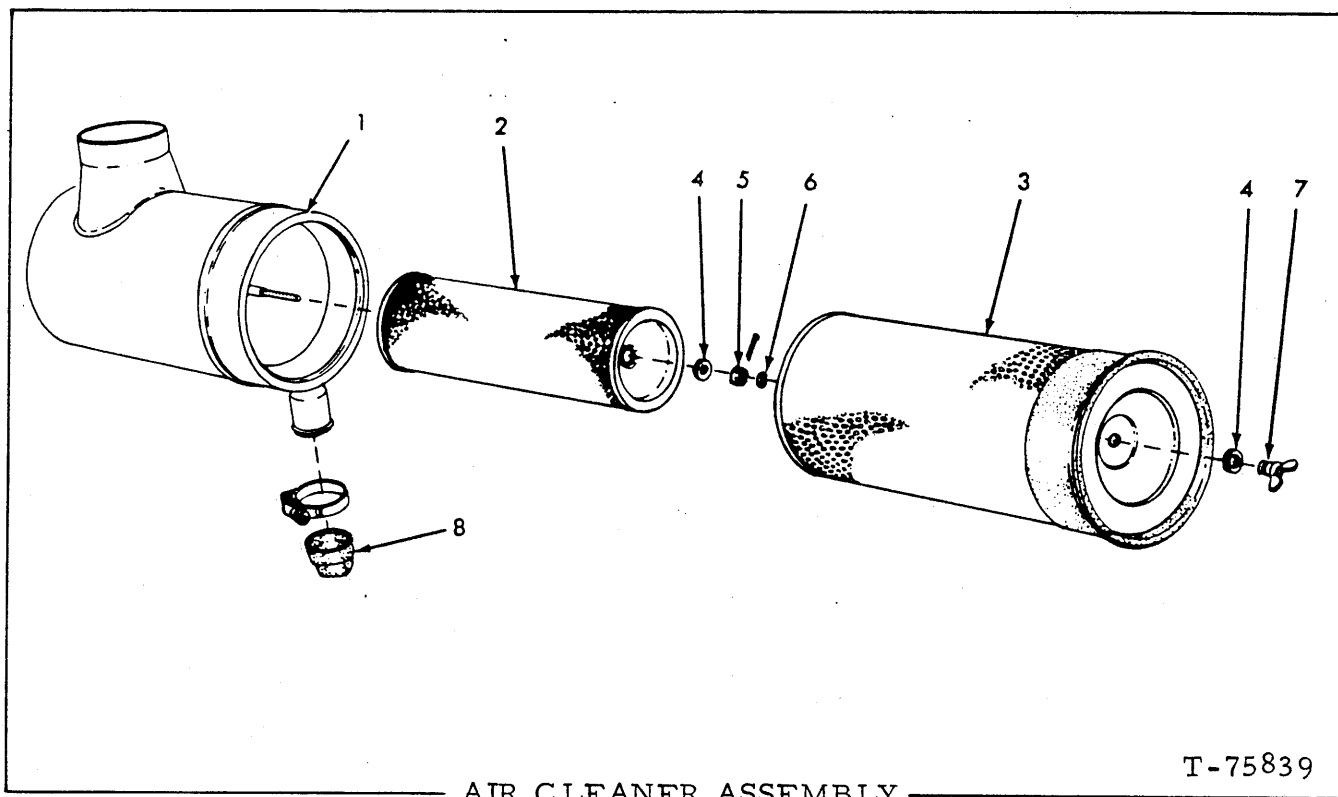
AIR CLEANER MOUNTING

T-75774

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                                      |                                                                    |
|------|----------|------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| 1    | 70197576 | 1    | CAP, air inlet (Includes mounting clamp)                                                         | } Not used on units equipped with special aspirator. See page 83A. |
| 1A   | 70658509 | 1    | TUBE, air inlet                                                                                  |                                                                    |
| 1B   | 70658633 | 1    | CLAMP, air inlet tube                                                                            |                                                                    |
|      | 70922848 | 1    | CAPSCREW, 3/8"NC x 3-1/4"                                                                        |                                                                    |
|      | 70677006 | 2    | WASHER, plain                                                                                    |                                                                    |
|      | 70911026 | 1    | NUT, 3/8"NC                                                                                      |                                                                    |
| 2    | -----    | 1    | CLEANER ASSY. air (See page 80)                                                                  |                                                                    |
|      | 70912060 | 1    | CAP, pipe, 1/8"NPT                                                                               |                                                                    |
| 3    | 70676074 | 1    | BRACKET, mounting (Also serves as engine lifter)                                                 |                                                                    |
|      | 70920583 | 3    | CAPSCREW, 1/2"NC x 1-1/2"                                                                        |                                                                    |
|      | 70677008 | 3    | WASHER, plain                                                                                    |                                                                    |
| 4    | 70667123 | 2    | BAND, mounting                                                                                   |                                                                    |
|      | 70922287 | 3    | CAPSCREW, 3/8"NC x 1-3/4"                                                                        |                                                                    |
|      | 70677006 | 5    | WASHER, plain                                                                                    |                                                                    |
|      | 70918308 | 4    | NUT, elastic stop, 3/8"NC                                                                        |                                                                    |
| 4A   | 70927599 | 1    | CLIP, indicator hose                                                                             |                                                                    |
|      | 70920995 | 1    | CAPSCREW, 3/8"NC x 2"                                                                            |                                                                    |
| 5    | 70927224 | 1    | O-RING, air intake elbow                                                                         |                                                                    |
| 6    | 70658585 | 1    | ELBOW, air intake                                                                                |                                                                    |
|      | 70921076 | 5    | CAPSCREW, 3/8"NC x 1-1/4"                                                                        |                                                                    |
|      | 70922763 | 1    | CAPSCREW, 3/8"NC x 1"                                                                            |                                                                    |
|      | 70677006 | 5    | WASHER, plain                                                                                    |                                                                    |
|      | 70911026 | 5    | NUT, 3/8"NC                                                                                      |                                                                    |
| 7    | 70659034 | 1    | HOSE, air intake elbow                                                                           |                                                                    |
| 8    | 70929293 | 2    | CLAMP, intake elbow hose                                                                         |                                                                    |
| 9    | 70659814 | 1    | GASKET, cleaner sealing                                                                          |                                                                    |
| 10   | 70659566 | 1    | PLATE, sealing gasket                                                                            |                                                                    |
| 11   | 70658399 | 1    | PLATE, sealing gasket                                                                            |                                                                    |
|      | 70929024 | 6    | CAPSCREW, 1/4"NC x 7/8"                                                                          |                                                                    |
|      | 70677004 | 6    | WASHER, plain                                                                                    |                                                                    |
| 12   | 70697589 | 1    | INDICATOR, air restriction (Serviced only as a unit)                                             |                                                                    |
| 13   | 73045531 | 1    | FLANGE, mounting, air restriction indicator                                                      |                                                                    |
|      | 70929021 | 2    | CAPSCREW, 1/4"NF x 3/4"                                                                          |                                                                    |
|      | 70677004 | 2    | WASHER, plain                                                                                    |                                                                    |
|      | 70911040 | 2    | NUT, 1/4"NF                                                                                      |                                                                    |
| 14   | 70646910 | 1    | HOSE, restriction indicator (See HOSE PARTS)(Tractors unit #10301 thru #12138 and #13107 and up) |                                                                    |
|      | 70668516 | 1    | HOSE, restriction indicator (See HOSE PARTS)(Tractors unit #12139 thru #13106)                   |                                                                    |
|      | 70919174 | 1    | CONNECTOR, flare type, 1/4" tube, 1/8"NPT female                                                 |                                                                    |
|      | 70904273 | 1    | NIPPLE, pipe, 1/8"NPT                                                                            |                                                                    |
| 15   | 70631769 | 1    | FITTING, safety, restriction indicator line                                                      |                                                                    |
| 16   | 70668149 | 1    | HOSE, unloader extension                                                                         | } Special Equipment                                                |
|      | 70921915 | 2    | CLAMP, hose, 2-13/16" x 3-3/4"                                                                   |                                                                    |
| 17   | -----    | 1    | PLATE (See FLOOR)                                                                                |                                                                    |

NOTE: See PAINTING AND MARKING for transfers

(Revised September 1979)



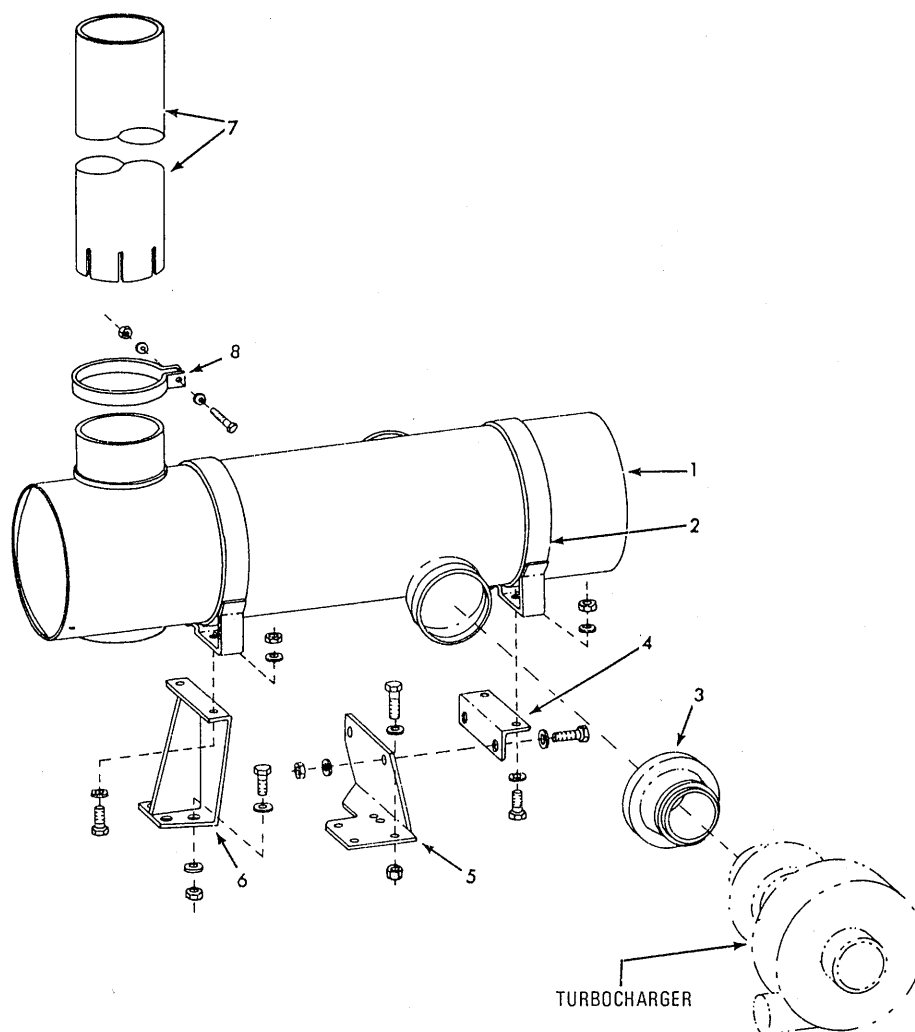
USAGE: See page 79

ITEM PART NO. QTY. DESCRIPTION

|   |          |   |                                             |
|---|----------|---|---------------------------------------------|
| - | 70671809 | 1 | CLEANER ASSY. (Includes items 2 thru 8)     |
| 1 | -----    | 1 | BODY (Not serviced separately)              |
| 2 | 70671839 | 1 | ELEMENT ASSY., safety (inner)               |
| 3 | 70671838 | 1 | ELEMENT ASSY., safety (outer)               |
| 4 | 70667684 | 2 | GASKET, retaining nut                       |
| 5 | 70667683 | 1 | NUT, element retaining (inner)              |
|   | 70900808 | 1 | PIN, cotter, 1/8" x 1-1/2"                  |
| 6 | 70671433 | 1 | CLIP, wing nut retaining                    |
| 7 | 70691775 | 1 | NUT, wing, element retaining                |
| 8 | 70197810 | 1 | UNLOADER                                    |
|   | 70921915 | 1 | CLAMP, 2-13/16" to 3-3/4" diam (Late units) |







MUFFLER

T-79062

USAGE: Standard on tractors serial No. 19S13609 and up. Optional on earlier units.

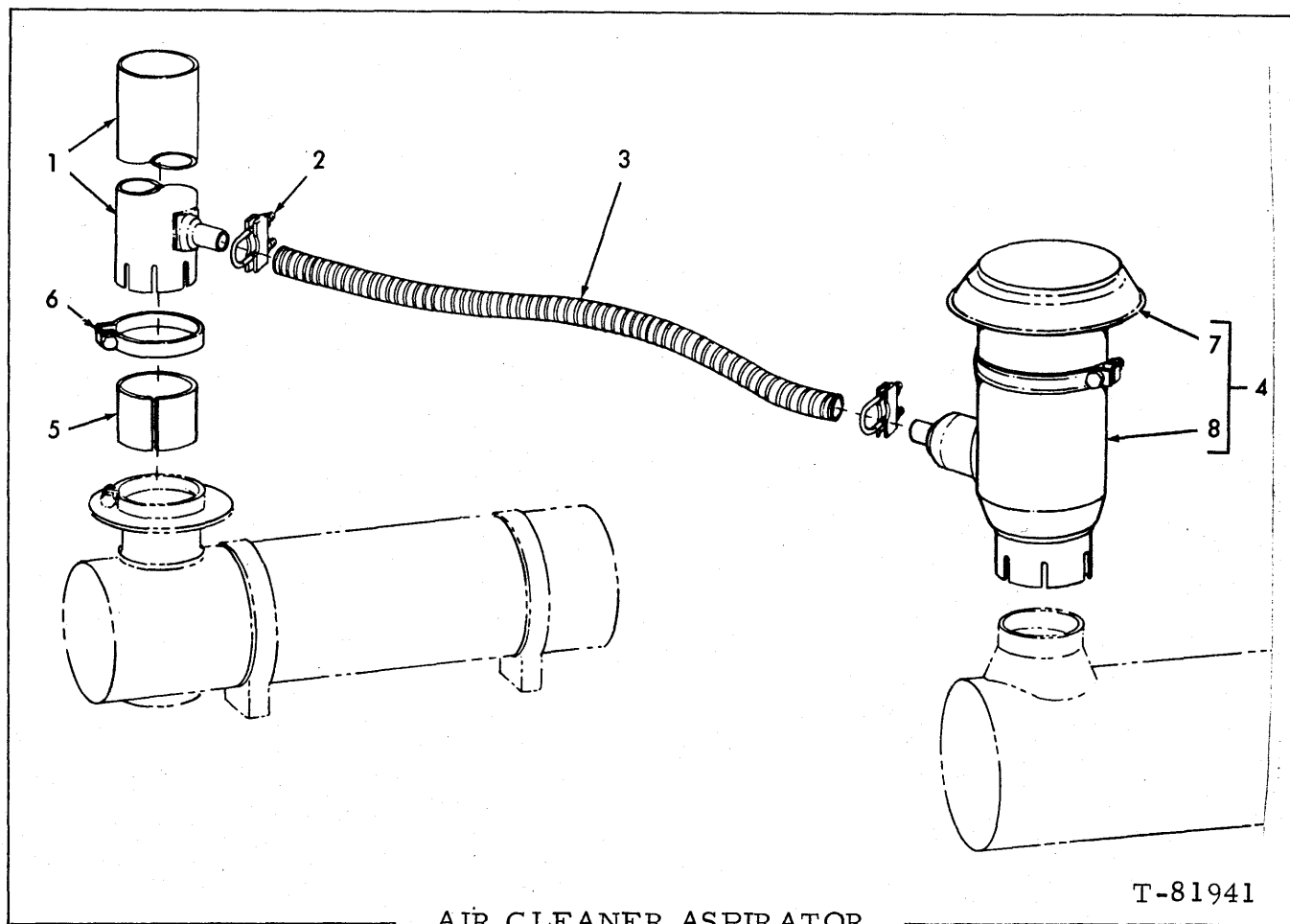
| ITEM | PART NO. | QTY. | DESCRIPTION                           |
|------|----------|------|---------------------------------------|
| 1    | 70691461 | 1    | MUFFLER                               |
| 2    | 70683656 | 2    | CLAMP ASSY. (Includes hardware)       |
|      | 70921076 | 4    | CAPSCREW, 3/8"NC x 1-1/4"             |
|      | 70677006 | 8    | WASHER, plain                         |
|      | 70911026 | 4    | NUT, 3/8"NC                           |
| 3    | 70691232 | 1    | DIFFUSER                              |
| 4    | 70683701 | 1    | ANGLE, muffler support bracket, right |
|      | 70920585 | 2    | CAPSCREW, 1/2"NC x 1-3/4"             |
|      | 70677008 | 4    | WASHER, plain                         |
|      | 70911028 | 2    | NUT, 1/2"NC                           |
| 5    | 70683702 | 1    | BRACKET, muffler support, right       |
|      | 70921556 | 4    | CAPSCREW, 1/2"NC x 2"                 |
|      | 70677008 | 4    | WASHER, plain                         |
|      | 70911028 | 4    | NUT, 1/2"NC                           |

(Continued)

MUFFLER (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                           |
|------|----------|------|-------------------------------------------------------|
| 6    | 70691546 | 1    | BRACKET, muffler support, left                        |
|      | 70920583 | 4    | CAPSCREW, 1/2"NC x 1-1/2"                             |
|      | 70677008 | 8    | WASHER, plain                                         |
| 7    | 70656910 | 1    | PIPE, exhaust (See page 83A for units with aspirator) |
| 8    | 70629755 | 1    | CLAMP, exhaust pipe                                   |
|      | 70922848 | 1    | CAPSCREW, 3/8"NC x 3-1/4"                             |
|      | 70044973 | 2    | WASHER, plain                                         |
|      | 70904206 | 1    | LOCKWASHER, 3/8"                                      |
|      | 70911026 | 1    | NUT, 3/8"NC                                           |

(Revised September 1979)

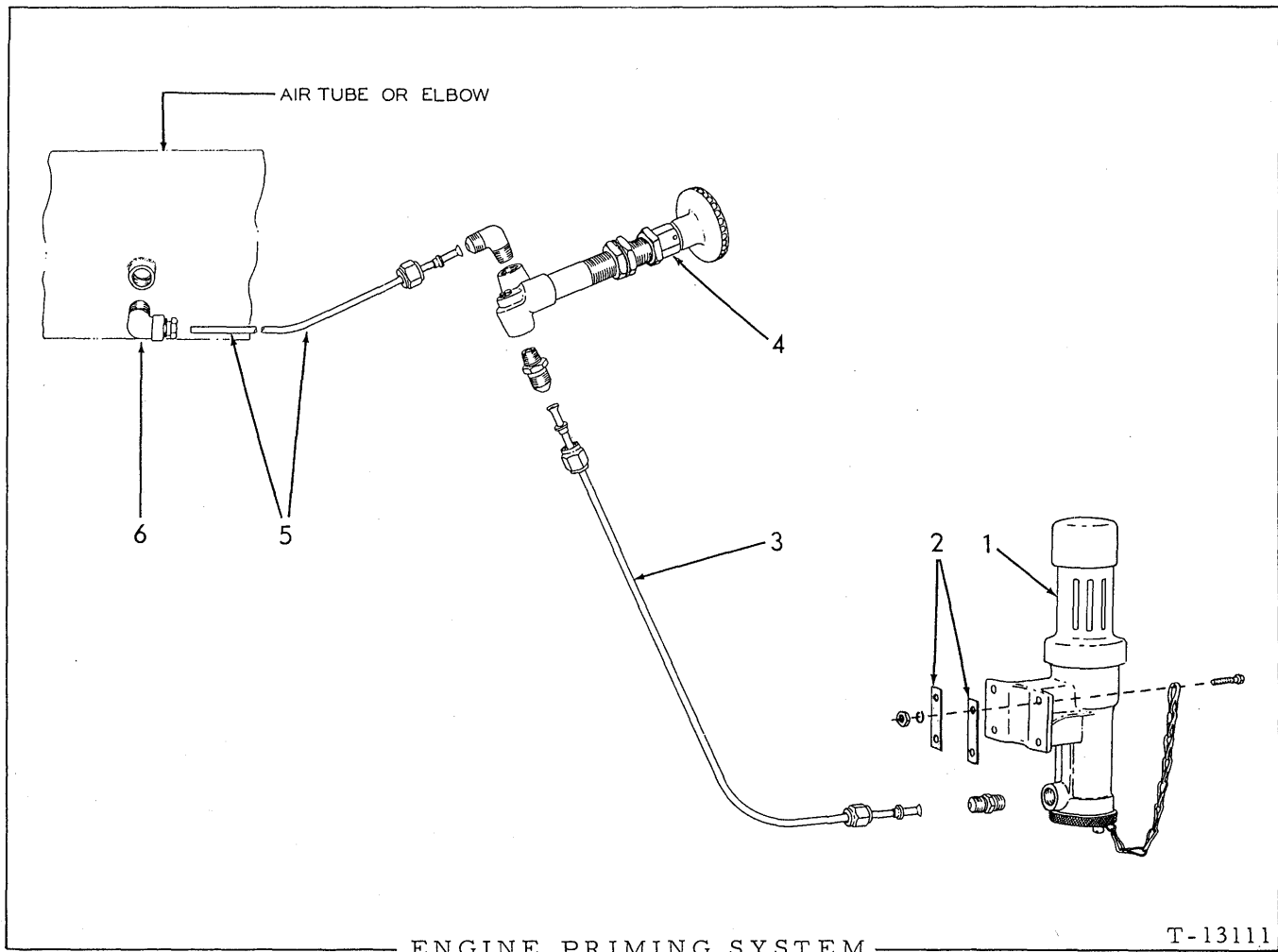


AIR CLEANER ASPIRATOR

T-81941

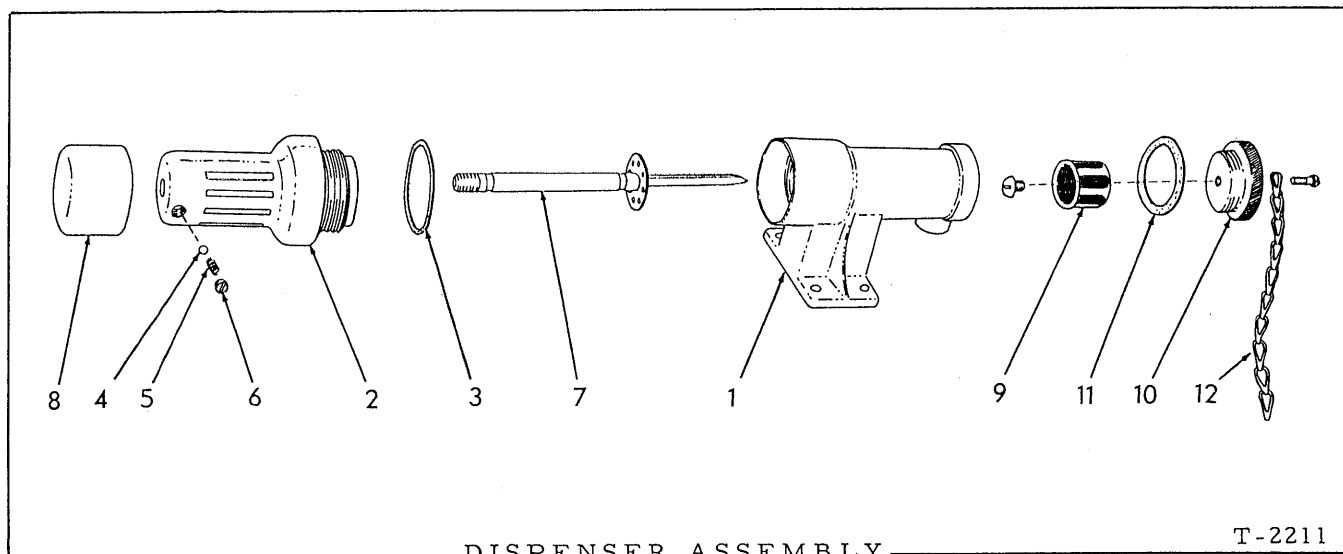
USAGE: Special Equipment

| ITEM | PART NO. | QTY. | DESCRIPTION                                |
|------|----------|------|--------------------------------------------|
| 1    | 73117360 | 1    | EJECTOR ASSY.                              |
| 2    | 70929808 | 2    | CLAMP                                      |
| 3    | 73117359 | 1    | HOSE, metal, flexible                      |
| 4    | 73107581 | 1    | PRE-CLEANER ASSY. (Includes items 7 and 8) |
| 5    | 73113804 | 1    | SLEEVE                                     |
| 6    | 70629755 | 1    | CLAMP ASSY. (Includes hardware)            |
| 7    | 79027839 | 1    | HOOD                                       |
| 8    | 73129588 | 1    | BODY AND TUBE ASSY.                        |



USAGE: Special equipment. Used prior to approximately March 15, 1973

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                        |
|------|----------|------|------------------------------------------------------------------------------------|
| 1    | -----    | 1    | DISPENSER ASSY., priming fuel (See page 85)                                        |
|      | 70913706 | 4    | CAPSCREW, #10-24NC x 1"                                                            |
|      | 70904203 | 4    | LOCKWASHER, #10                                                                    |
|      | 70901310 | 4    | NUT, #10-24NC                                                                      |
| 2    | 70066261 | 6    | GASKET, dispenser mounting                                                         |
| 3    | -----    | 1    | TUBE, dispenser to pump (Order item 7)                                             |
|      | 70915488 | 2    | NUT, Sealastic, 1/8" tube                                                          |
|      | 70915486 | 2    | RING, Sealastic, 1/8" tube (Includes ferrule)                                      |
|      | 70915556 | 2    | CONNECTOR, Sealastic, 1/8" tube, 1/8"NPT male                                      |
| 4    | -----    | 1    | PUMP ASSY. (See page 86)                                                           |
| 5    | -----    | 1    | TUBE, pump discharge (Order item 7)                                                |
|      | 70915488 | 1    | NUT, Sealastic, 1/8" tube                                                          |
|      | 70915486 | 1    | RING, Sealastic, 1/8" tube (Includes ferrule)                                      |
|      | 70915557 | 1    | ELBOW, Sealastic, 1/8" tube, 1/8"NPT male                                          |
| 6    | 70066517 | 1    | ELBOW ASSY., fuel spray (Includes nozzle, nut and sleeve. Serviced only as a unit) |
| 7    | 70066253 | -    | TUBING, copper, 1/8"O.D., 10ft. roll (Use as required) (Not illustrated)           |

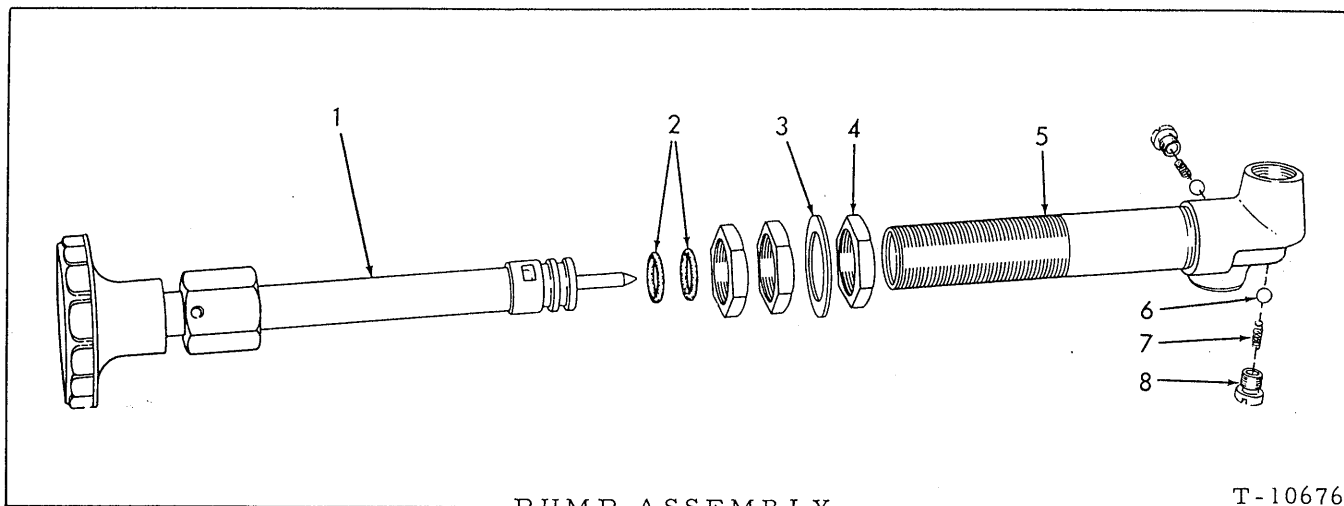


DISPENSER ASSEMBLY

T-2211

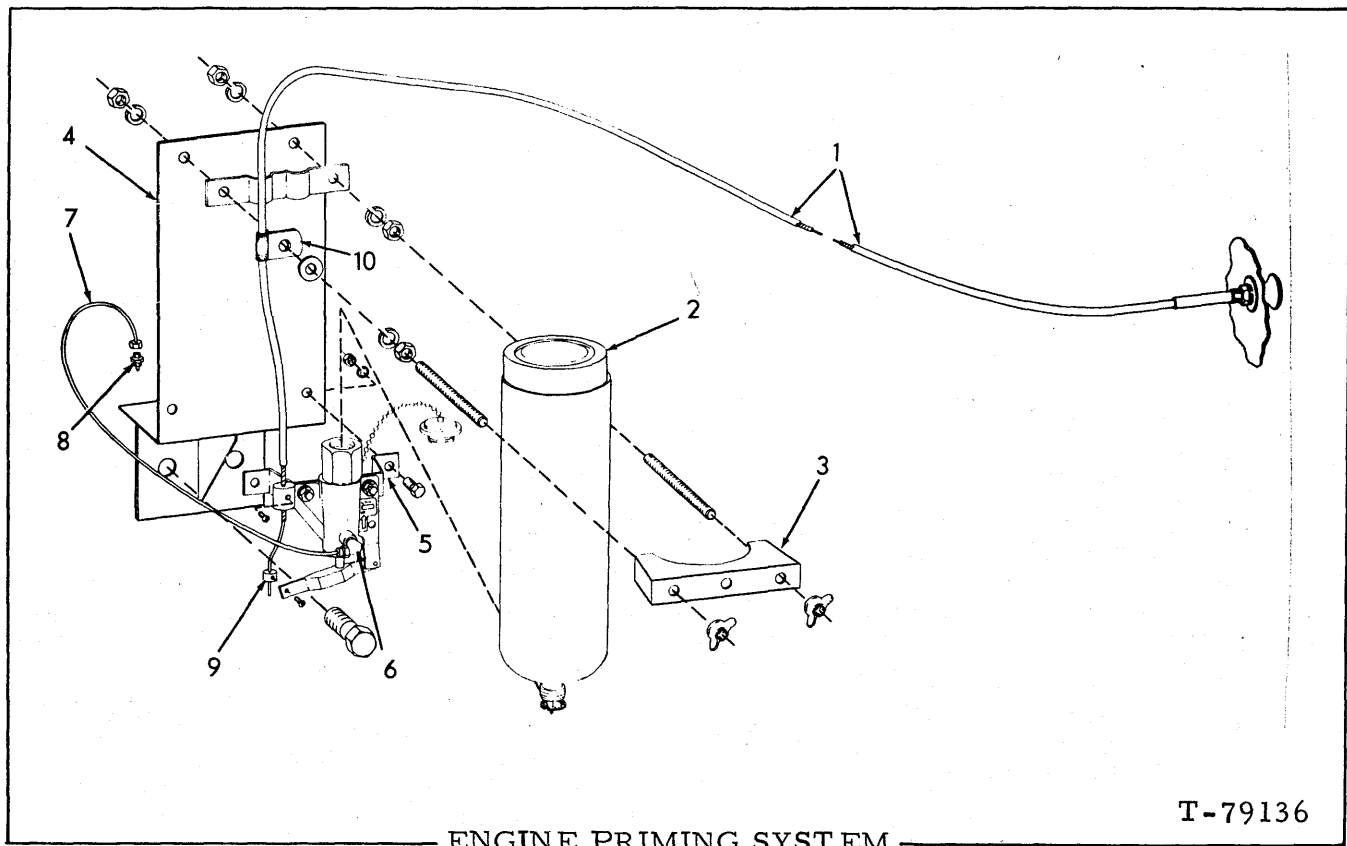
USAGE: See page 84

| ITEM | PART NO. | QTY. | DESCRIPTION                                |
|------|----------|------|--------------------------------------------|
| -    | 70075771 | 1    | DISPENSER ASSY. (Includes items 1 thru 12) |
| 1    | 70068878 | 1    | BODY, fuel dispenser                       |
| 2    | 70068879 | 1    | CHAMBER, fuel dispenser                    |
| 3    | 70069164 | 1    | GASKET, fuel dispenser chamber             |
| 4    | 70905357 | 1    | BALL, steel, 3/16" diam.                   |
| 5    | 70066251 | 1    | SPRING, plunger locking ball               |
| 6    | 70066252 | 1    | PLUG, retaining, locking ball spring       |
| 7    | 70066255 | 1    | PLUNGER, fuel dispenser                    |
| 8    | 70068881 | 1    | KNOB, fuel dispenser plunger               |
| 9    | 70068875 | 1    | STRAINER, fuel dispenser                   |
|      | 70915432 | 1    | SCREW, machine, rd-hd., 1/4"NC x 5/16"     |
| 10   | 70075770 | 1    | PLUG, fuel dispenser strainer              |
| 11   | 70068876 | 1    | GASKET, fuel dispenser strainer plug       |
| 12   | 70075769 | 1    | CHAIN, strainer plug retaining             |
|      | 70901781 | 1    | SCREW, machine, fil-hd., #10-32NF x 1/2"   |



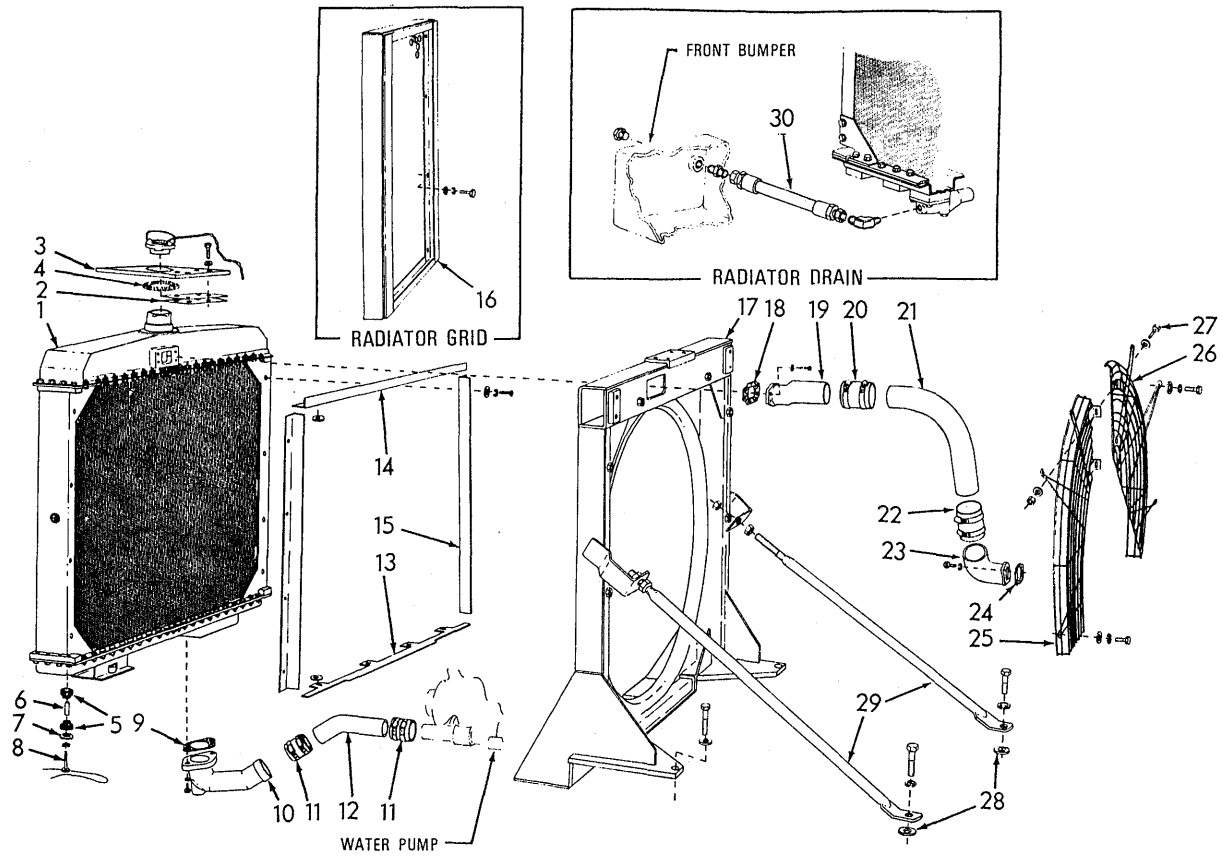
USAGE: See page 84

| ITEM | PART NO. | QTY. | DESCRIPTION                            |
|------|----------|------|----------------------------------------|
| -    | 70092160 | 1    | PUMP ASSY. (Includes items 1 thru 8)   |
| 1    | -----    | 1    | PISTON ASSY. (Not serviced separately) |
| 2    | 70923560 | 2    | O-RING, plunger                        |
| 3    | 70066873 | 1    | WASHER, mounting                       |
| 4    | 70066872 | 3    | NUT, mounting                          |
| 5    | -----    | 1    | BARREL ASSY. (Not serviced separately) |
| 6    | 70066876 | 2    | BALL, check valve (5/32" diam.)        |
| 7    | 70066875 | 2    | SPRING, check valve                    |
| 8    | 70066874 | 2    | RETAINER, check valve                  |



USAGE: Special equipment. Effective approximately March 15, 1973

| ITEM | PART NO. | QTY. | DESCRIPTION                                                 |
|------|----------|------|-------------------------------------------------------------|
| 1    | 70684988 | 1    | CABLE ASSY., control (Includes lockwasher and mounting nut) |
|      | 70917378 | 2    | WASHER, plain, U.S. std., 3/8"                              |
| 2    | 73132158 | 1    | KIT, CYLINDER AND GASKET                                    |
|      | 73070169 | 1    | GASKET                                                      |
| 3    | 70669359 | 1    | CLAMP ASSY., tank supporting                                |
| 4    | 70684979 | 1    | PLATE, tank supporting                                      |
|      | 70920583 | 2    | CAPSCREW, 1/2"NC x 1-1/2"                                   |
| 5    | 70669526 | 1    | BRACKET ASSY., valve                                        |
|      | 70906820 | 1    | SCREW, machine. #10-32 x 5/16" (cable attaching)            |
|      | 70928138 | 2    | CAPSCREW, 1/4"NC x 5/8"                                     |
|      | 70910285 | 2    | LOCKWASHER, 1/4"                                            |
|      | 70911024 | 2    | NUT, 1/4"NC                                                 |
| 6    | 73052086 | 1    | ELBOW, tube connecting                                      |
| 7    | 70669053 | 1    | TUBE, valve to jet                                          |
|      | 70911841 | 1    | SLEEVE, compression fitting, 1/8" tube                      |
|      | 70912589 | 1    | NUT, compression fitting, 1/8" tube                         |
| 8    | 74024482 | 1    | JET, fluid atomizing                                        |
| 9    | 70253308 | 1    | STOP, cable                                                 |
|      | 70906820 | 1    | SCREW, machine, #10-32 x 5/16"                              |
| 10   | 70639388 | 1    | CLIP, cable supporting                                      |
|      | 70910335 | 1    | WASHER, plain, SAE std., 5/16"                              |



RADIATOR MOUNTING

T-75817



# RADIATOR MOUNTING

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                                |
|------|----------|------|--------------------------------------------------------------------------------------------|
| 1    | -----    | 1    | RADIATOR ASSY. (See page 93)                                                               |
| 2    | 70660606 | 2    | SHIM, adjusting, support collar (1/32" thick)                                              |
|      | 70660480 | 1    | SHIM, adjusting, support collar (1/16" thick)                                              |
| 3    | 70662034 | 1    | COLLAR, radiator supporting                                                                |
|      | 70921556 | 4    | CAPSCREW, 1/2" NC x 2"                                                                     |
|      | 70677008 | 4    | WASHER                                                                                     |
| 4    | 70095575 | 1    | RING, cushion                                                                              |
| 5    | 70061671 | 12   | SNUBBER, vibration, radiator mounting                                                      |
| 6    | 70061655 | 6    | TUBE, spacing, vibration snubber                                                           |
| 7    | 70928846 | 6    | WASHER, vibration snubber                                                                  |
| 8    | 70929071 | 6    | CAPSCREW, radiator mounting                                                                |
|      | 70023633 | 2    | WIRE, locking, 1/16" x 12"                                                                 |
| 9    | 70052021 | 1    | GASKET, outlet elbow                                                                       |
| 10   | 70662006 | 1    | ELBOW, radiator outlet                                                                     |
|      | 70921569 | 2    | CAPSCREW, 7/16" NC x 1-1/4"                                                                |
|      | 70929154 | 2    | WASHER                                                                                     |
| 11   | 70073539 | 2    | HOSE, inlet tube                                                                           |
|      | 70921914 | 4    | CLAMP, hose, 2-5/16" to 3-1/4" diam.                                                       |
| 12   | 70662011 | 1    | TUBE, engine inlet                                                                         |
| 13   | 70662060 | 1    | BAFFLE, air, radiator bottom                                                               |
|      | 70677005 | 4    | WASHER                                                                                     |
| 14   | 70669780 | 1    | BAFFLE, air, radiator top                                                                  |
|      | 70677005 | 4    | WASHER                                                                                     |
| 15   | 70662028 | 2    | BAFFLE, air, radiator side (Not used when special radiator grid is installed)              |
|      | 70927373 | 8    | CAPSCREW, 5/16" NC x 7/8"                                                                  |
|      | 70677005 | 8    | WASHER                                                                                     |
| 16   | 70671723 | 1    | GRID, radiator protecting (Special. Used when operating under extreme abrasive conditions) |
|      | 70922843 | 8    | CAPSCREW, 5/16" NC x 1-1/4"                                                                |
|      | 70910286 | 8    | LOCKWASHER, 5/16"                                                                          |
|      | 70092665 | 8    | WASHER, plain, SAE std., 5/16"                                                             |
| 17   | 70661718 | 1    | SUPPORT, radiator                                                                          |
|      | 70929071 | 6    | CAPSCREW, 3/8" NC x 2-3/4"                                                                 |
|      | 70677012 | 6    | WASHER                                                                                     |
|      | 70910287 | 6    | LOCKWASHER, 3/8"                                                                           |
| 18   | 70081614 | 1    | GASKET, radiator inlet                                                                     |
| 19   | 70082608 | 1    | INLET, radiator                                                                            |
|      | 70922763 | 4    | CAPSCREW, 3/8" NC x 1"                                                                     |
|      | 70930370 | 4    | WASHER                                                                                     |

Use as required

Not used when special radiator grid is installed

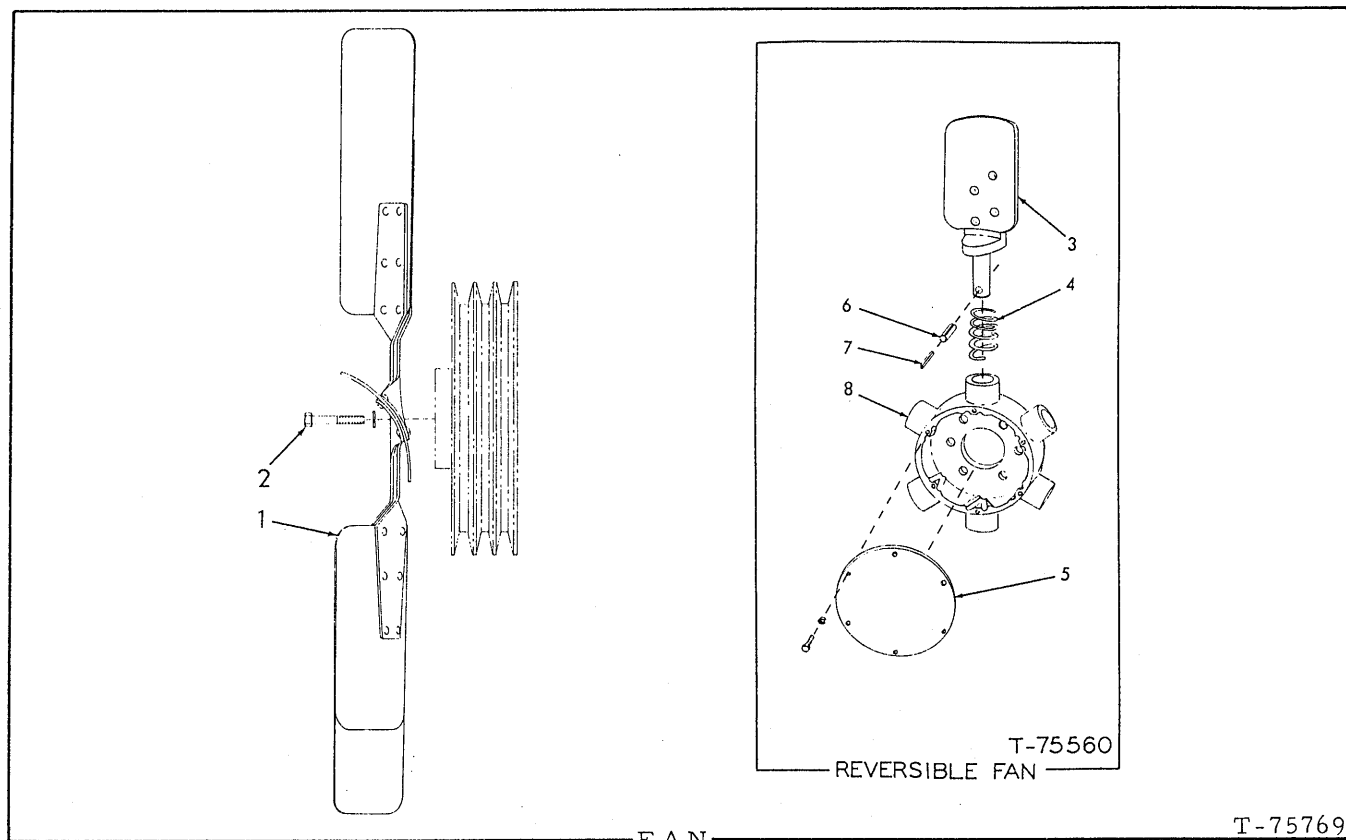
(Continued)

# RADIATOR MOUNTING (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                     |
|------|----------|------|-------------------------------------------------|
| 20   | 70067884 | 1    | HOSE                                            |
|      | 70921914 | 2    | CLAMP 2-5/16" to 3-1/4" diam.                   |
| 21   | 70083540 | 1    | TUBE                                            |
| 22   | 73121205 | 1    | HOSE                                            |
|      | 70921914 | 2    | CLAMP, 2-5/16" to 3-1/4"                        |
| 23   | 70660557 | 1    | ELBOW                                           |
|      | 70927485 | 2    | CAPSCREW, 7/16"NC x 1"                          |
|      | 70914678 | 2    | LOCKWASHER, 7/16"                               |
| 24   | 74310257 | 1    | GASKET                                          |
| 25   | 70668159 | 1    | GUARD (Tractors prior to unit #14630)           |
|      | 70692020 | 1    | GUARD (Tractor unit #14630 and up)              |
|      | 70922763 | 3    | CAPSCREW, 3/8"NC x 1"                           |
|      | 70677006 | 3    | WASHER                                          |
| 26   | 70668158 | 1    | GUARD (Tractors prior to unit #14630)           |
|      | 70692021 | 1    | GUARD (Tractor unit #14630 and up)              |
|      | 70922763 | 3    | CAPSCREW, 3/8"NC x 1"                           |
|      | 70677006 | 3    | WASHER                                          |
| 27   | 70921076 | 2    | CAPSCREW, 3/8"NC x 1-1/4" }                     |
|      | 70926180 | 4    | WASHER }                                        |
|      | 70915891 | 2    | NUT, elastic stop, 3/8"NC }                     |
|      | 70922763 | 2    | CAPSCREW, 3/8"NC x 1" }                         |
|      | 70677006 | 2    | WASHER }                                        |
| 28   | 70060689 | 2    | BOSS                                            |
| 29   | 70670339 | 2    | BRACE                                           |
|      | 70911046 | 4    | NUT, 7/8"NF                                     |
|      | 70922744 | 2    | CAPSCREW, 3/4"NC x 2-1/2"                       |
|      | 70928914 | 2    | WASHER, plain                                   |
| 30   | 70666429 | 1    | HOSE (See HOSE PARTS)                           |
|      | 70919063 | 1    | CONNECTOR, flare type, 1/2" tube, 3/8"NPT male  |
|      | 70919206 | 1    | ELBOW, flare type, 90°, 1/2" tube, 3/8"NPT male |
|      | 70918951 | 1    | PLUG, pipe, hex-hd., brass, 3/8"NPT             |

Tractors prior to  
unit #14630

Tractor unit  
#14630 and up



FAN

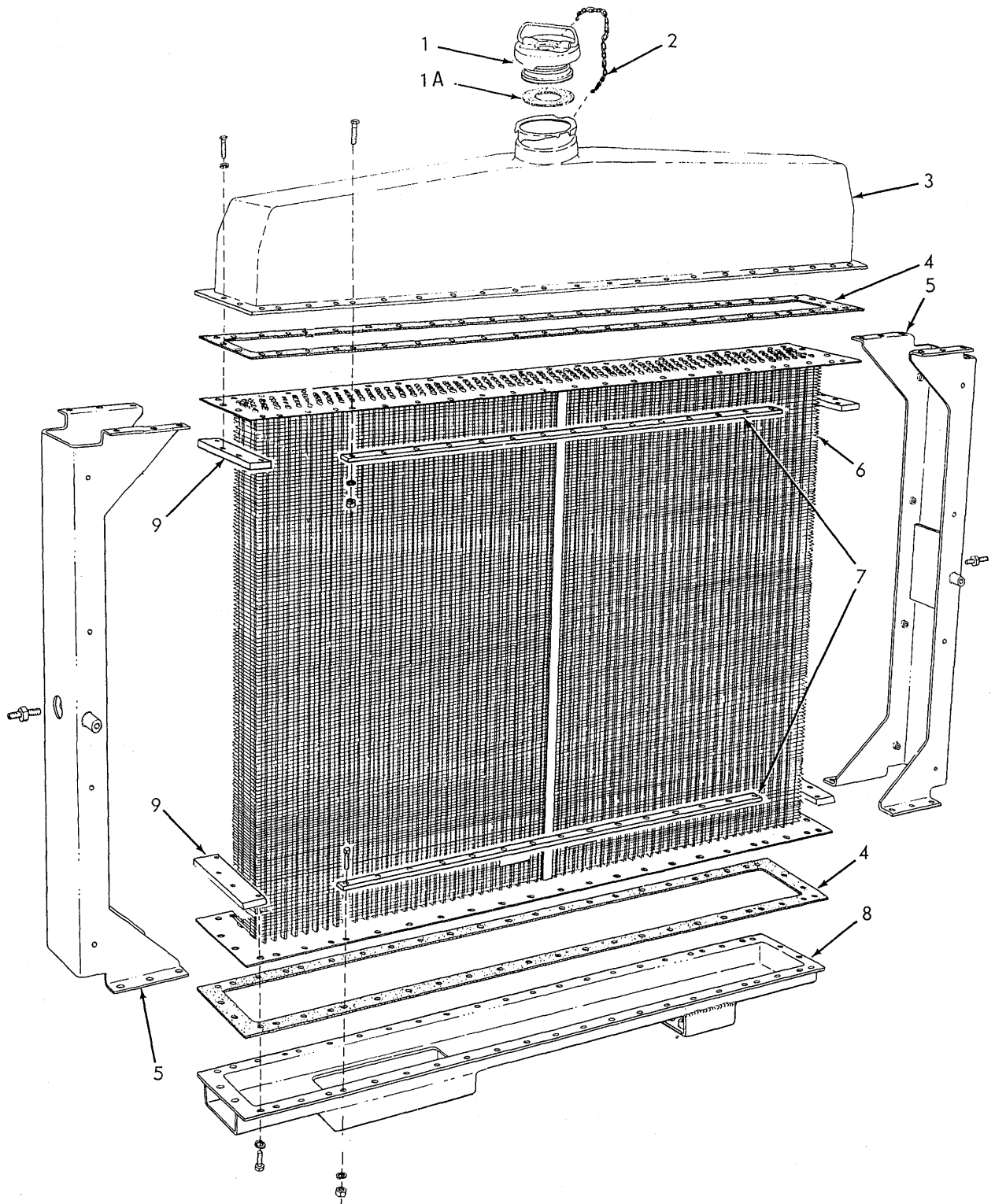
T-75769

ITEM PART NO. QTY. DESCRIPTION

NOTE: See RADIATOR AND MOUNTING for listing of Fan Guard

|   |          |   |                                                           |
|---|----------|---|-----------------------------------------------------------|
| 1 | 70083524 | 1 | FAN (Push type)(Standard)                                 |
|   | 70679362 | 1 | FAN ASSY.. reversible (Includes items 3 thru 8)(Optional) |
| 2 | 70921076 | 6 | CAPSCREW, 3/8"NC x 1-1/4"                                 |
|   | 70910287 | 6 | LOCKWASHER 3/8"                                           |
| 3 | -----    | 6 | BLADE (See NOTE below)                                    |
| 4 | 70668595 | 6 | SPRING                                                    |
| 5 | 70668593 | 1 | COVER, dust                                               |
|   | 70926339 | 6 | CAPSCREW, #10-24 x 5/16" (Includes lockwasher)            |
| 6 | 70915917 | 6 | PIN, blade retaining, outer (3/8" O.D.)                   |
| 7 | 70920319 | 6 | PIN, blade retaining, inner (7/32" O.D.)                  |
| 8 | -----    | 1 | HUB (See NOTE below)                                      |

NOTE: Blade and Hub replacements require precision balancing. Return complete fan to HUBER REVERSIBLE FAN CO., 2103 Hershey Rd., Erie, Pa. 16509.

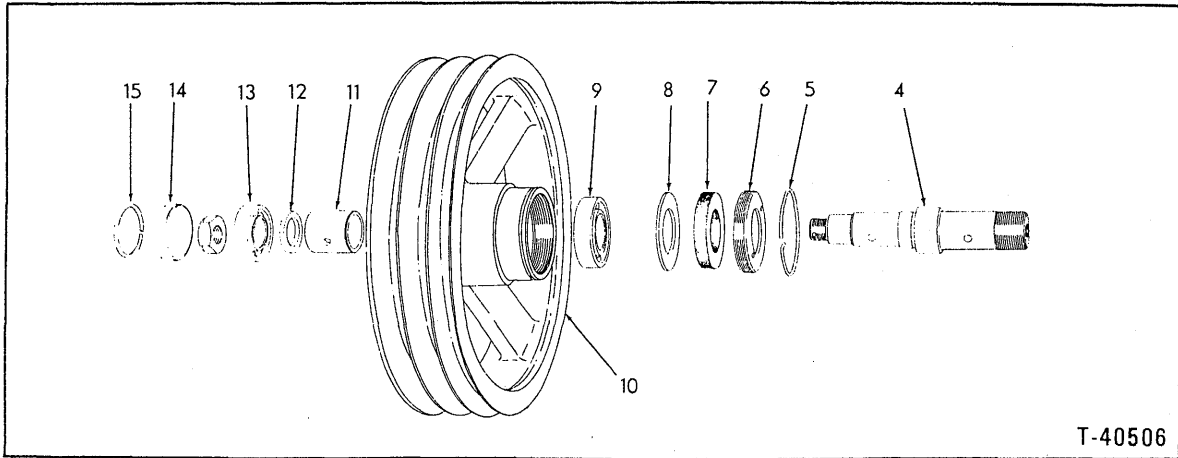


RADIATOR PARTS

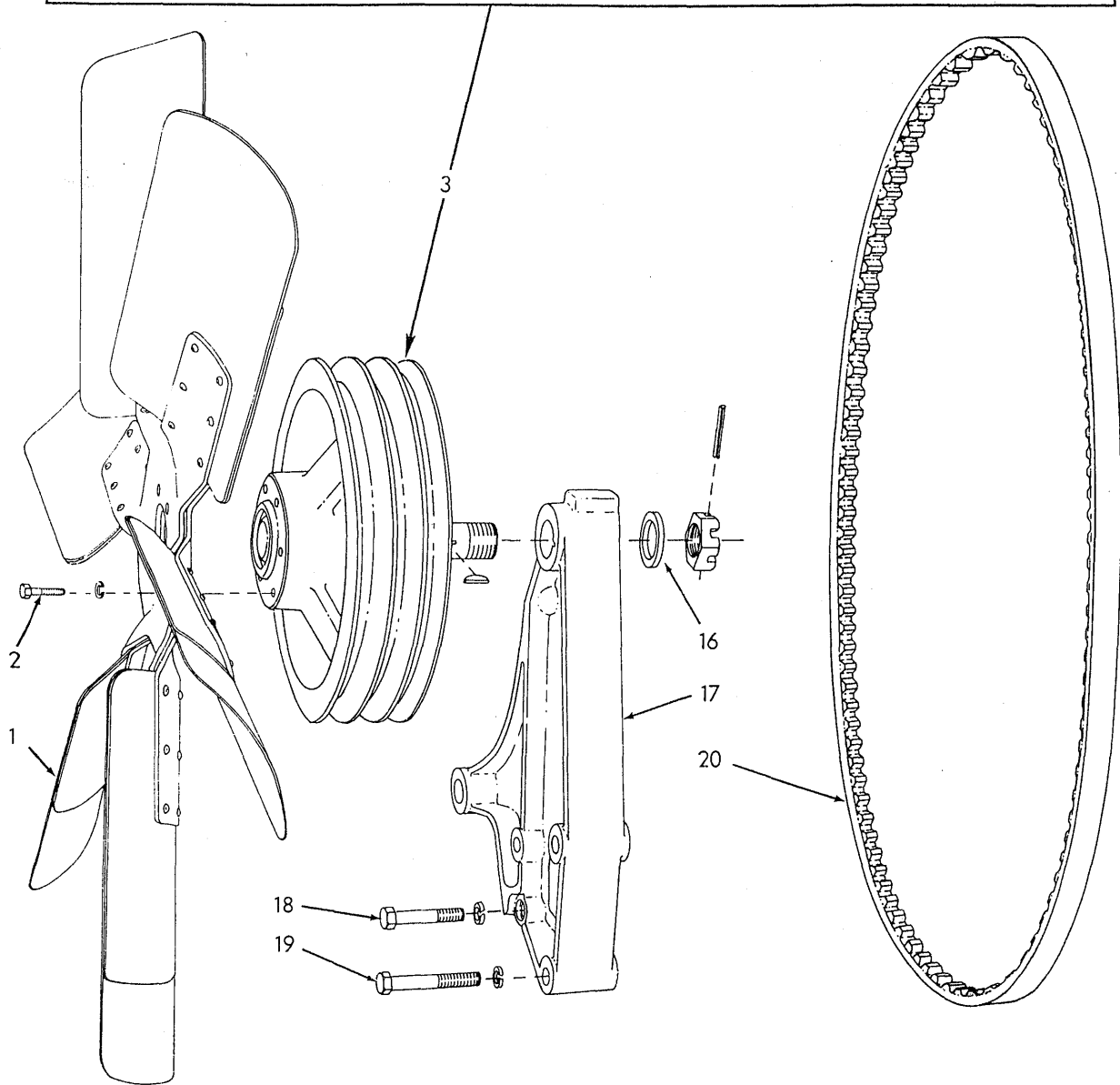
T-13135

# RADIATOR PARTS

| ITEM | PART NO. | QTY. | DESCRIPTION                                                         |                                       |
|------|----------|------|---------------------------------------------------------------------|---------------------------------------|
| -    | 70673020 | 1    | RADIATOR ASSY. (Standard.<br>copper-finned)                         | } Consists<br>of items<br>1 thru 9    |
| -    | 70682552 | 1    | RADIATOR ASSY. (Severe-service.<br>copper-finned. Staggared tubes.) |                                       |
| -    | 70671187 | 1    | RADIATOR ASSY. (Special.<br>steel-finned)                           |                                       |
| 1    | 70654096 | 1    | CAP ASSY., fillter (Includes item 1A)                               |                                       |
| 1A   | 70682843 | 1    | GASKET, cap                                                         |                                       |
| 2    | 70654098 | 1    | CHAIN, filler cap                                                   |                                       |
| 3    | 70655373 | 1    | TANK, top                                                           |                                       |
|      | 70922843 | 4    | CAPSCREW, 5/16"NC x 1-1/4"                                          |                                       |
|      | 70921566 | 46   | CAPSCREW, 5/16"NC x 1"                                              |                                       |
|      | 70910286 | 50   | LOCKWASHER, 5/16"                                                   |                                       |
|      | 70911025 | 42   | NUT, 5/16"NC                                                        |                                       |
| 4    | 70079763 | 2    | GASKET, core                                                        |                                       |
| 5    | 70666659 | 2    | SIDE                                                                |                                       |
|      | 70915888 | 2    | SETSCREW, slotted-hd., cup-pt.,<br>3/8"NC x 1-3/4"                  | } Tractors<br>prior to<br>unit #10451 |
|      | 70903584 | 2    | NUT, jam, 3/8"NC                                                    |                                       |
| 6    | 70671695 | 1    | CORE (For RADIATOR ASSY. 70671187)                                  |                                       |
|      | 70684123 | 1    | CORE (For RADIATOR ASSY. 70682552)                                  |                                       |
|      | 70673019 | 1    | CORE (For RADIATOR ASSY. 70673020)                                  |                                       |
| 7    | 70074679 | 4    | CLAMP, core flange, center                                          |                                       |
| 8    | 70643404 | 1    | TANK, bottom                                                        |                                       |
|      | 70922843 | 4    | CAPSCREW, 5/16"NC x 1-1/4"                                          |                                       |
|      | 70921566 | 46   | CAPSCREW, 5/16"NC x 1"                                              |                                       |
|      | 70910286 | 50   | LOCKWASHER, 5/16"                                                   |                                       |
|      | 70911025 | 42   | NUT, 5/16"NC                                                        |                                       |
| 9    | 70079489 | 4    | CLAMP, core flange, end                                             |                                       |



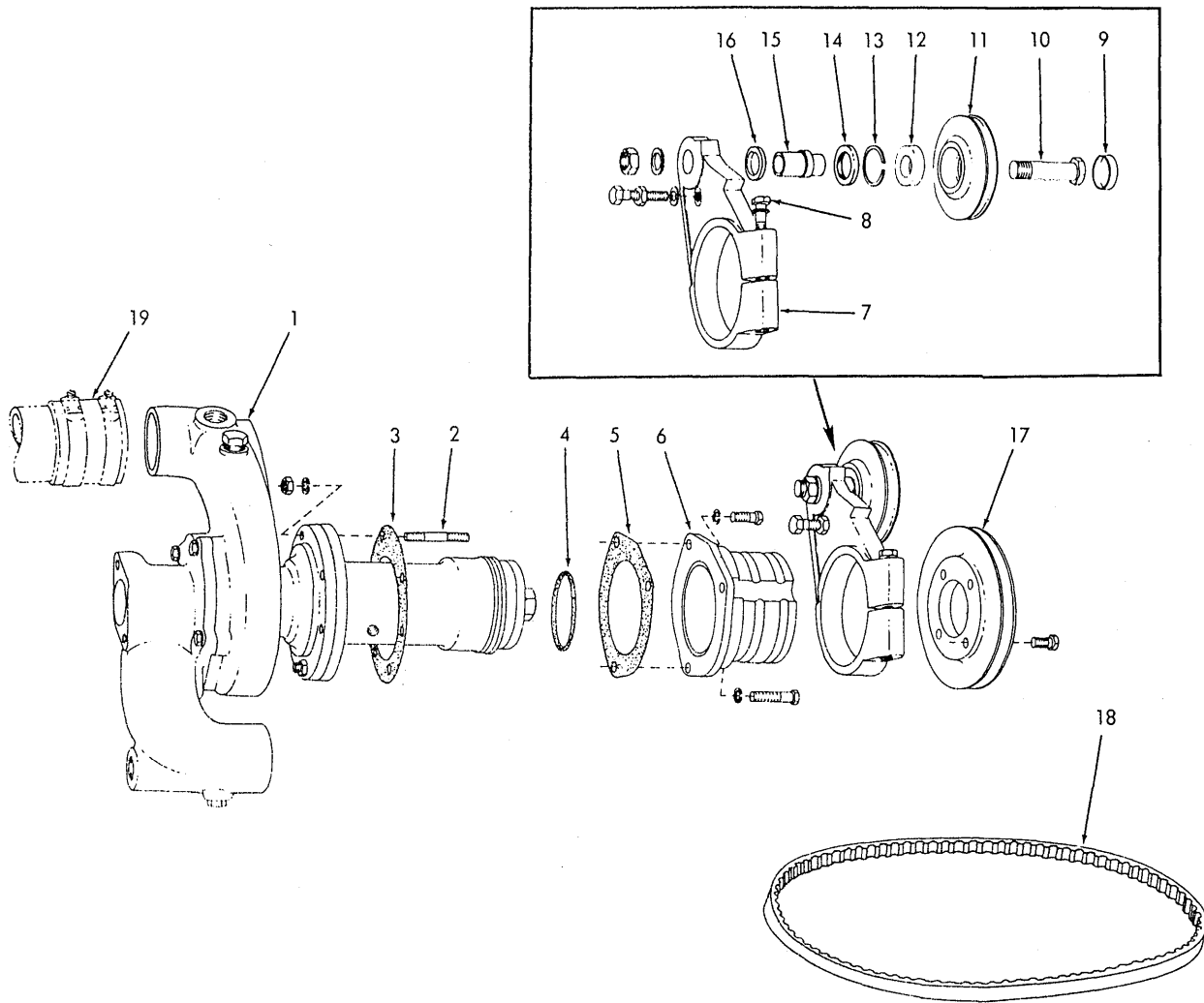
T-40506



FAN PULLEY

T-75873

| ITEM | PART NO. | QTY. | DESCRIPTION                                     |
|------|----------|------|-------------------------------------------------|
| 1    | -----    | 1    | FAN (See page 91 )                              |
| 2    | 70921076 | 6    | CAPSCREW, 3/8"NC x 1-1/4"                       |
|      | 70910287 | 6    | LOCKWASHER, 3/8"                                |
| 3    | 70676697 | 1    | PULLEY ASSY., fan (Consists of items 4 thru 15) |
|      | 70913798 | 1    | NUT, jam, slotted, 1-1/4"NF                     |
|      | 70915692 | 1    | PIN, spring, 1/4" x 1-7/8"                      |
|      | 70905122 | 1    | KEY, #7 woodruff, 1/8" x 3/4"                   |
| 4    | 70676698 | 1    | SPINDLE                                         |
|      | 70919108 | 1    | NUT, self-locking, 7/8"NF                       |
| 5    | 74371707 | 1    | RING, snap, fan pulley                          |
| 6    | 74640973 | 1    | RETAINER, spindle sealing washer                |
| 7    | 70052106 | 1    | WASHER, spindle sealing                         |
| 8    | 74640975 | 1    | WASHER, retaining, rear bearing                 |
| 9    | 70075203 | 1    | BEARING, ball, rear                             |
| 10   | 70639237 | 1    | PULLEY                                          |
| 11   | 70051715 | 1    | SLEEVE, spacing, spindle bearings               |
| 12   | 74640978 | 1    | WASHER, spacing, front bearing                  |
| 13   | 74253862 | 1    | BEARING, ball, front                            |
| 14   | 70088561 | 1    | CAP, pulley                                     |
| 15   | 70088560 | 1    | RING, snap, cap retaining                       |
| 16   | 70067962 | 1    | WASHER, plain                                   |
| 17   | 70666758 | 1    | BRACKET, pulley mounting                        |
| 18   | 70924864 | 1    | CAPSCREW, 1/2"NC x 2-1/4"                       |
| 19   | 70925135 | 2    | CAPSCREW, 1/2"NC x 3-1/4"                       |
|      | 70912441 | 3    | LOCKWASHER, 1/2"                                |
| 20   | 70676465 | 1    | BELT SET (Consists of 2 matched belts)          |



T-75050

— WATER PUMP DRIVE —

USAGE: Engine prior to serial No. 17-01772 excluding Nos. 17-01253 thru 17-01302

ITEM PART NO. QTY. DESCRIPTION

|   |          |   |                                                |               |
|---|----------|---|------------------------------------------------|---------------|
| 1 | -----    | 1 | PUMP ASSY., water (See page 100)               |               |
| 2 | 74513810 | 5 | STUD, attaching                                | } Early units |
|   | 70904206 | 5 | LOCKWASHER, 3/8"                               |               |
|   | 70910123 | 5 | NUT, 3/8" NF                                   |               |
|   | 70922211 | 5 | CAPSCREW, nylok, 3/8" NC x 1-1/4" (Late units) |               |
| 3 | 74376398 | 1 | □ GASKET, pump mounting                        |               |
| 4 | 70923935 | 1 | □ O-RING, pump body                            |               |
| 5 | 74361740 | 1 | □ GASKET, idler support                        |               |

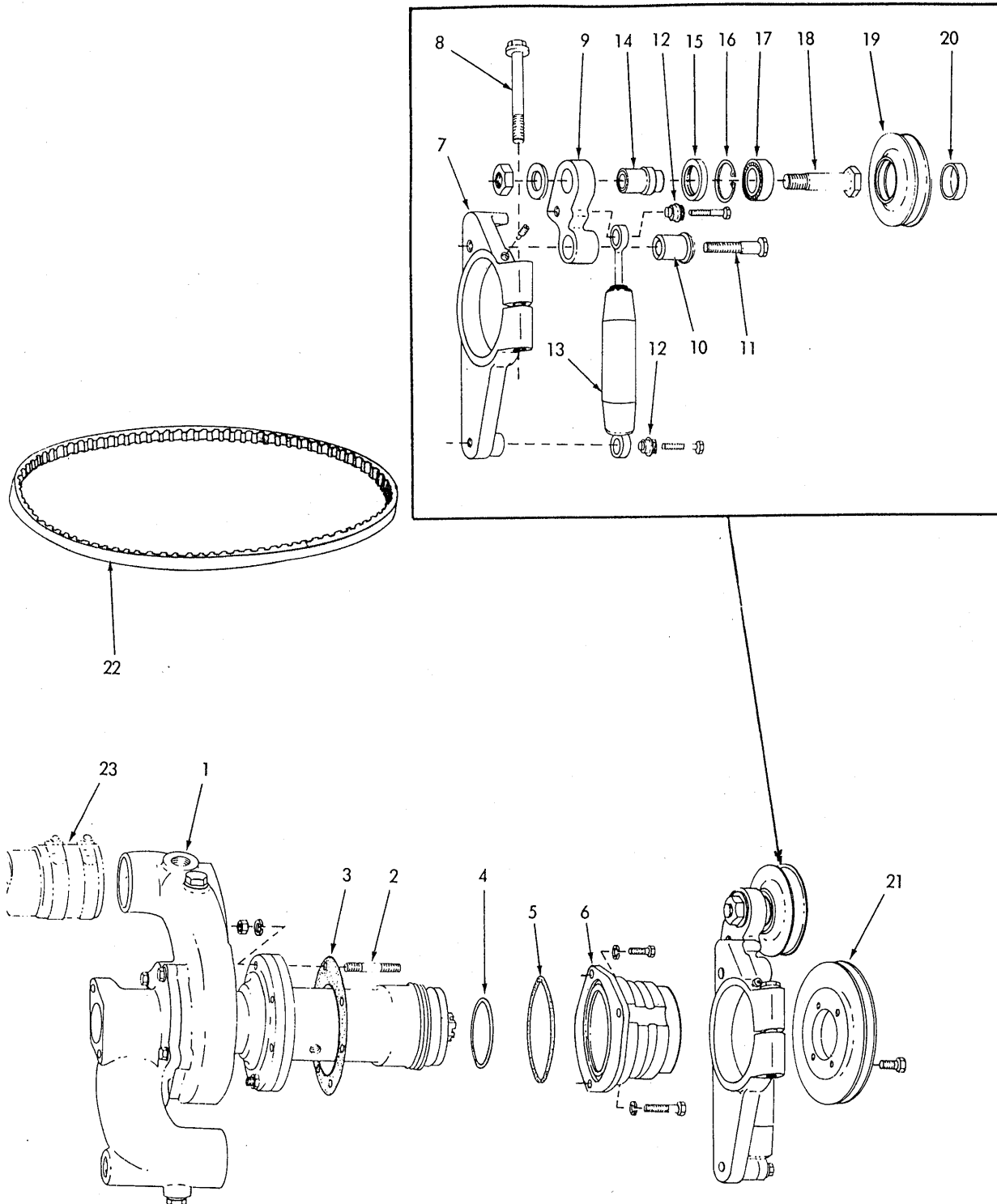
(Continued)

(Revised April 1980)



<https://truckmanualshub.com/>  
WATER PUMP DRIVE (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                               |
|------|----------|------|-------------------------------------------|
| 6    | 74386855 | 1    | SUPPORT, belt tightening idler            |
|      | 70919224 | 1    | CAPSCREW, 3/8"NC x 1-1/8"                 |
|      | 70912069 | 2    | CAPSCREW, 3/8"NC x 2-1/2"                 |
|      | 70904206 | 3    | LOCKWASHER, 3/8"                          |
| 7    | 74390120 | 1    | BRACKET, idler                            |
|      | 70916314 | 1    | CAPSCREW, 1/2"NC x 2"                     |
|      | 70910510 | 1    | NUT, jam, 1/2"NC                          |
|      | 70904208 | 1    | LOCKWASHER, 1/2"                          |
| 8    | 70924863 | 1    | SCREW, bracket clamping (1/2"NC x 3-3/4") |
| 9    | 74255110 | 1    | CAP, idler pulley                         |
| 10   | 74390655 | 1    | BOLT, idler pulley                        |
|      | 70910175 | 1    | NUT, 3/4"NF                               |
|      | 70927382 | 1    | WASHER, plain                             |
| 11   | 74391650 | 1    | PULLEY, idler                             |
| 12   | 74391154 | 1    | BEARING, ball, idler pulley               |
| 13   | 70927801 | 1    | RING, snap, idler pulley                  |
| 14   | 74255839 | 1    | SEAL, oil, idler pulley                   |
| 15   | 74390992 | 1    | SHAFT, idler pulley                       |
| 16   | 74391687 | 1    | SPACER, idler shaft                       |
| 17   | 74391593 | 1    | PULLEY, idler                             |
|      | 74752002 | 4    | BOLT (self-locking, 3/8"NF x 1/2")        |
| 18   | 74391351 | 1    | BELT, pump driving                        |
| 19   | -----    | 1    | HOSE (See WATER INLET MANIFOLD)           |



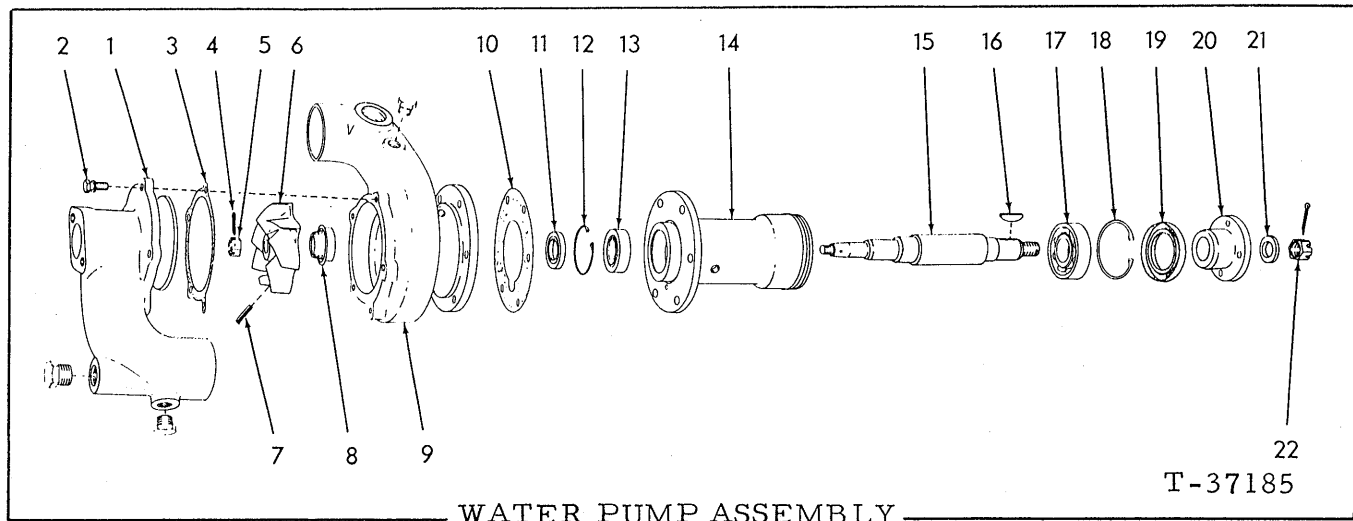
WATER PUMP DRIVE

T-75043

## WATER PUMP DRIVE

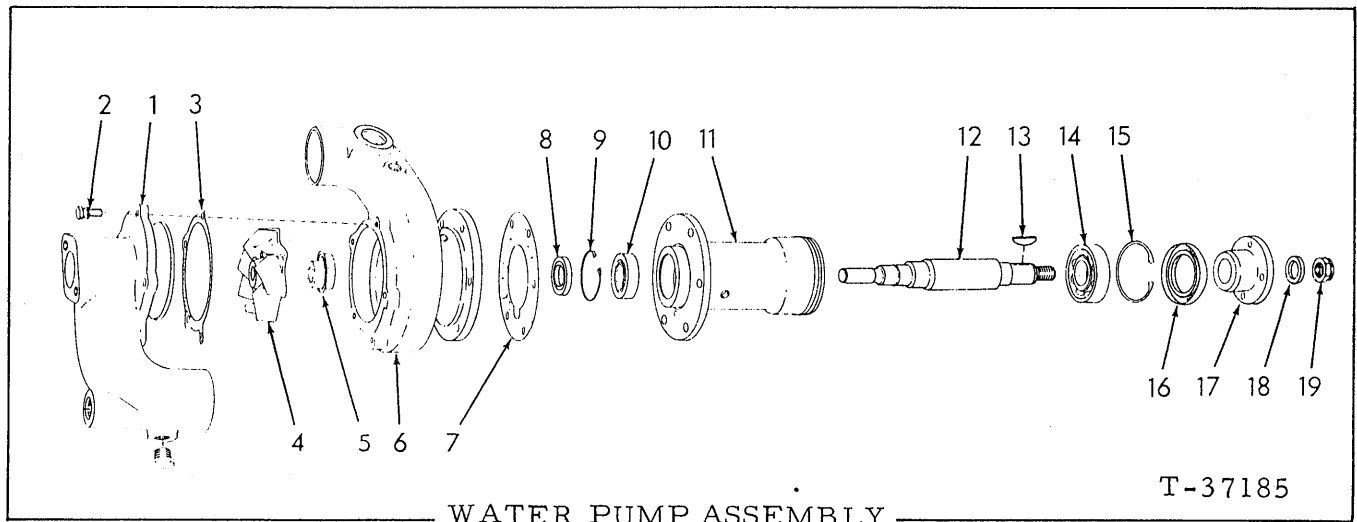
USAGE: Engines S/N 17-01253 thru 17-01302; also 17-01772 and up; also 6138 LT engines.

| ITEM | PART NO. | QTY. | DESCRIPTION                                            |
|------|----------|------|--------------------------------------------------------|
| 1    | -----    | 1    | PUMP ASSY., water (See page 100)                       |
| 2    | 74513810 | 5    | STUD, attaching                                        |
|      | 70904206 | 5    | LOCKWASHER, 3/8"                                       |
|      | 70910123 | 5    | NUT, 3/8"NF                                            |
| 3    | 74376398 | 1    | GASKET, pump mounting                                  |
| 4    | 70923935 | 1    | O-RING, pump body                                      |
| 5    | 74361740 | 1    | □GASKET, idler support (17000 engine)(Not illustrated) |
|      | 70923950 | 1    | □O-RING (6138 LT engines)                              |
| 6    | 74391003 | 1    | SUPPORT (1700 engines)                                 |
|      | 74395112 | 1    | SUPPORT (6138 LT engines)                              |
|      | 70919224 | 1    | CAPSCREW, 3/8"NC x 1-1/8"                              |
|      | 70912069 | 2    | CAPSCREW, 3/8"NC x 2-1/2" (17000 engines)              |
|      | 70919227 | 2    | CAPSCREW, 3/8"NC x 3-1/4" (6138 LT engines)            |
|      | 70910287 | 3    | LOCKWASHER, 3/8"                                       |
| 7    | 74391950 | 1    | BRACKET, idler mounting                                |
|      | 70913683 | 1    | SETSCREW, hex-socket, dog-pt., 3/8"NC x 1"             |
| 8    | 70924863 | 1    | SCREW, bracket clamping                                |
| 9    | 74391949 | 1    | ARM ASSY., idler (Includes item 10)                    |
| 10   | 74391933 | 1    | BUSHING, idler arm pivot (flex-type)                   |
| 11   | 74391955 | 1    | CAPSCREW, idler arm retaining                          |
| 12   | 74391934 | 2    | BUSHING, damper mounting (flex-type)                   |
| 13   | 74391938 | 1    | DAMPER ASSY. (Includes item 12)                        |
|      | 70919225 | 2    | CAPSCREW, 3/8"NC x 1-3/8"                              |
| 14   | 74390992 | 1    | SHAFT, idler pulley                                    |
| 15   | 74255839 | 1    | SEAL, oil, idler pulley                                |
| 16   | 70927801 | 1    | RING, snap, idler pulley                               |
| 17   | 74391154 | 1    | BEARING, ball, idler pulley                            |
| 18   | 74390655 | 1    | BOLT, idler pulley                                     |
|      | 70910847 | 1    | NUT, jam, 3/4"NF                                       |
|      | 70923421 | 1    | WASHER, plain                                          |
| 19   | 74390995 | 1    | PULLEY, idler                                          |
| 20   | 74255110 | 1    | CAP, idler pulley                                      |
| 21   | 74391593 | 1    | PULLEY, idler                                          |
|      | 74752002 | 4    | BOLT, (self-locking, 3/8"NF x 1/2")                    |
| 22   | 74391351 | 1    | BELT, pump driving                                     |
| 23   | -----    | 1    | HOSE (See WATER INLET MANIFOLD AND HEAT EXCHANGER)     |



USAGE: Engines prior to S/N 17-01537

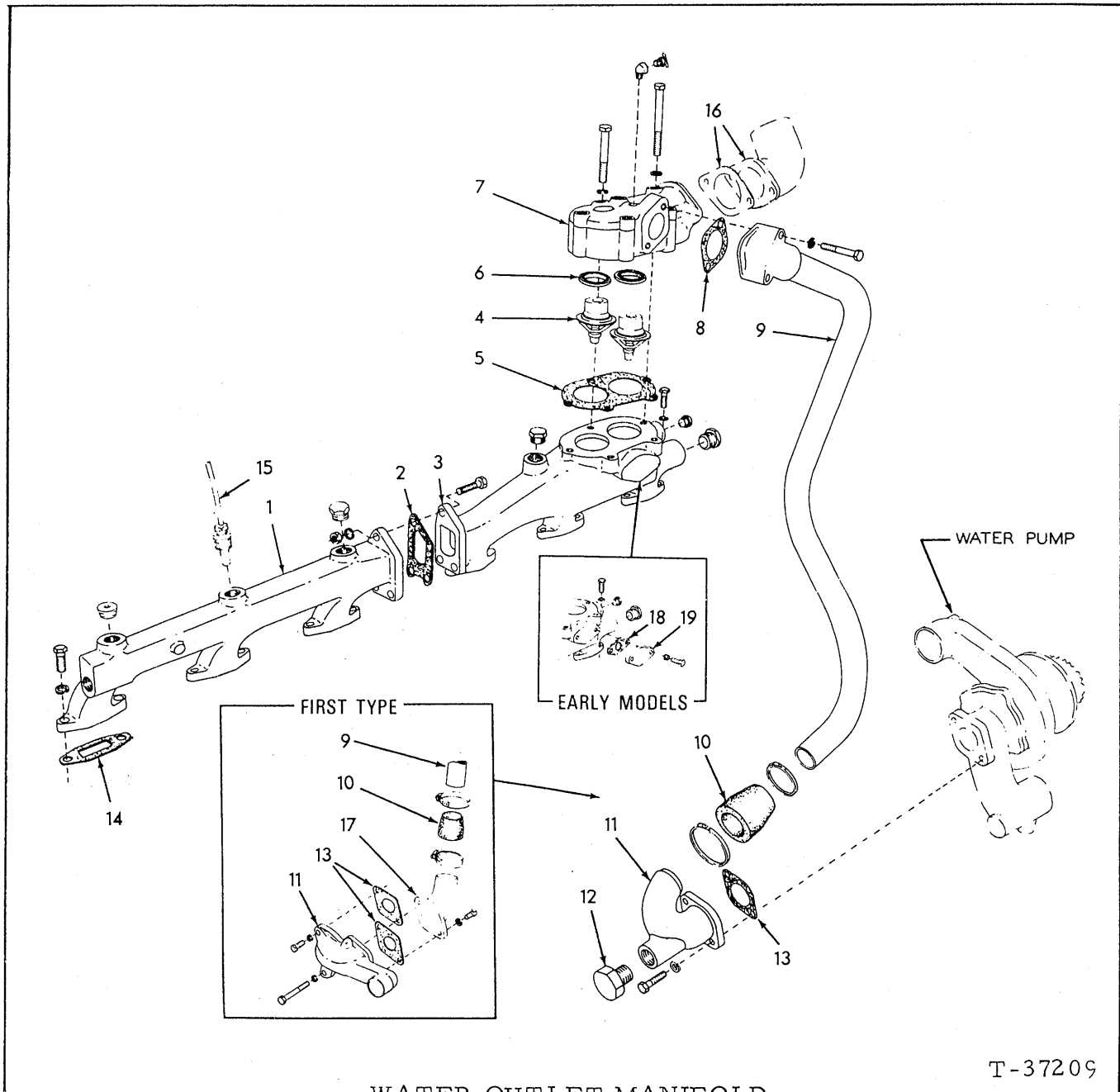
| ITEM | PART NO. | QTY. | DESCRIPTION                                           |
|------|----------|------|-------------------------------------------------------|
| -    | 74387607 | 1    | PUMP ASSY. (Includes items 1 thru 22)(Order 74396371) |
| 1    | 74375682 | 1    | COVER, pump inlet                                     |
|      | 70920333 | 1    | PLUG, pipe, hex-hd., 3/8"NPT                          |
|      | 70920416 | 1    | PLUG, pipe, hex-hd., 1/2"NPT                          |
|      | 70923325 | 4    | CAPSCREW, 5/16"NC x 7/8"                              |
|      | 70917356 | 4    | LOCKWASHER, 5/16"                                     |
| 3    | 74372421 | 1    | GASKET, pump inlet cover                              |
| 4    | 74041097 | 1    | PIN, cotter, impeller retaining nut                   |
| 5    | 74375686 | 1    | NUT, impeller retaining                               |
| 6    | 74389359 | 1    | IMPELLER ASSY. (Includes ceramic insert)              |
| 7    | 74375694 | 1    | PIN, impeller retaining                               |
| 8    | 74386862 | 1    | SEAL ASSY. (Serviced only as a unit)                  |
| 9    | 74387609 | 1    | BODY, pump                                            |
|      | 70920333 | 1    | PLUG, pipe, hex-hd., 3/8"NPT                          |
| 10   | 74387051 | 1    | GASKET, pump body                                     |
| 11   | 74387605 | 1    | SEAL, oil, rear end                                   |
| 12   | 70927801 | 1    | RING, snap, rear bearing                              |
| 13   | 74255338 | 1    | BEARING, roller (rear)                                |
| 14   | 74387050 | 1    | SLEEVE, extension                                     |
| 15   | -----    | 1    | SHAFT (Order 1-shaft 74393325 and 1 kit 74396372)     |
| 16   | 74660677 | 1    | KEY, pump shaft                                       |
| 17   | 73007474 | 1    | BEARING, ball (front)                                 |
| 18   | 70927803 | 1    | RING, snap, front bearing                             |
| 19   | 74254948 | 1    | SEAL, oil, front end                                  |
| 20   | 74386924 | 1    | HUB, drive                                            |
| 21   | 74375691 | 1    | WASHER, hub retaining                                 |
| 22   | 70912331 | 1    | NUT, slotted, 3/4"NF                                  |
|      | 70900808 | 1    | PIN, cotter, 1/8" x 1-1/2"                            |



WATER PUMP ASSEMBLY

USAGE: Engine S/N 17-01537 and up. Also 6138 LT engines.

| ITEM | PART NO. | QTY. | DESCRIPTION                                                       |
|------|----------|------|-------------------------------------------------------------------|
| -    | 74396371 | 1    | PUMP ASSY. (Includes items 1 thru 19)                             |
| 1    | 74375682 | 1    | COVER                                                             |
|      | 70920333 | 1    | PLUG, pipe, hex-hd., 3/8"NPT                                      |
| 2    | 70923325 | 4    | CAPSCREW, 5/16"NC x 7/8"                                          |
|      | 70917356 | 4    | LOCKWASHER, 5/16"                                                 |
| 3    | 74372421 | 1    | GASKET                                                            |
| 4    | -----    | 1    | IMPELLER ASSY. (Includes ceramic insert)(Order item 20)           |
| 5    | -----    |      | SEAL ASSY. (Engines prior to S/N 17-05080)<br>Order item 20)      |
|      | 74396349 | 1    | SEAL ASSY. (Engine S/N 17-05080 and up )(Component of item 20)    |
| 6    | 74387609 | 1    | BODY                                                              |
| 7    | 74387051 | 1    | GASKET                                                            |
| 8    | 74387605 | 1    | SEAL                                                              |
| 9    | 70927801 | 1    | RING                                                              |
| 10   | 74255338 | 1    | BEARING                                                           |
| 11   | 74387050 | 1    | SLEEVE                                                            |
| 12   | 74393325 | 1    | SHAFT                                                             |
| 13   | 74660677 | 1    | KEY                                                               |
| 14   | 73007474 | 1    | BEARING                                                           |
| 15   | 70927803 | 1    | RING                                                              |
| 16   | 74256022 | 1    | SEAL                                                              |
| 17   | 74386924 | 1    | HUB                                                               |
| 18   | 74375691 | 1    | WASHER                                                            |
| 19   | 70918182 | 1    | NUT, self-locking, 3/4"NF (plated)                                |
| 20   | 74396372 | 1    | IMPELLER AND SEAL KIT (Includes items 4, 5 and Instruction sheet) |



WATER OUTLET MANIFOLD

T-37209

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                 |
|------|----------|------|-----------------------------------------------------------------------------|
| 1    | 74393615 | 1    | MANIFOLD, rear (Also order 1 PLUG 70924636)<br>(Engines prior to #17-01877) |
|      | 74394959 | 1    | MANIFOLD, rear (Engines #17-01877 and up)                                   |
|      | 70920416 | 1    | PLUG, pipe, hex-hd., 1/2"NPT                                                |
|      | 70919224 | 6    | CAPSCREW, 3/8"NC x 1-1/8"                                                   |
|      | 70919226 | 3    | CAPSCREW, 3/8"NC x 1-5/8"                                                   |
|      | 70904206 | 9    | LOCKWASHER, 3/8"                                                            |
|      | 70910324 | 3    | NUT, 3/8"NC                                                                 |
|      | 70917970 | 1    | PLUG, pipe, hex-socket, 1/2"NPT                                             |
|      | 70924636 | 1    | PLUG, pipe, 1/2"NPT                                                         |
| 2    | 74395425 | 1    | □GASKET, manifold connecting                                                |

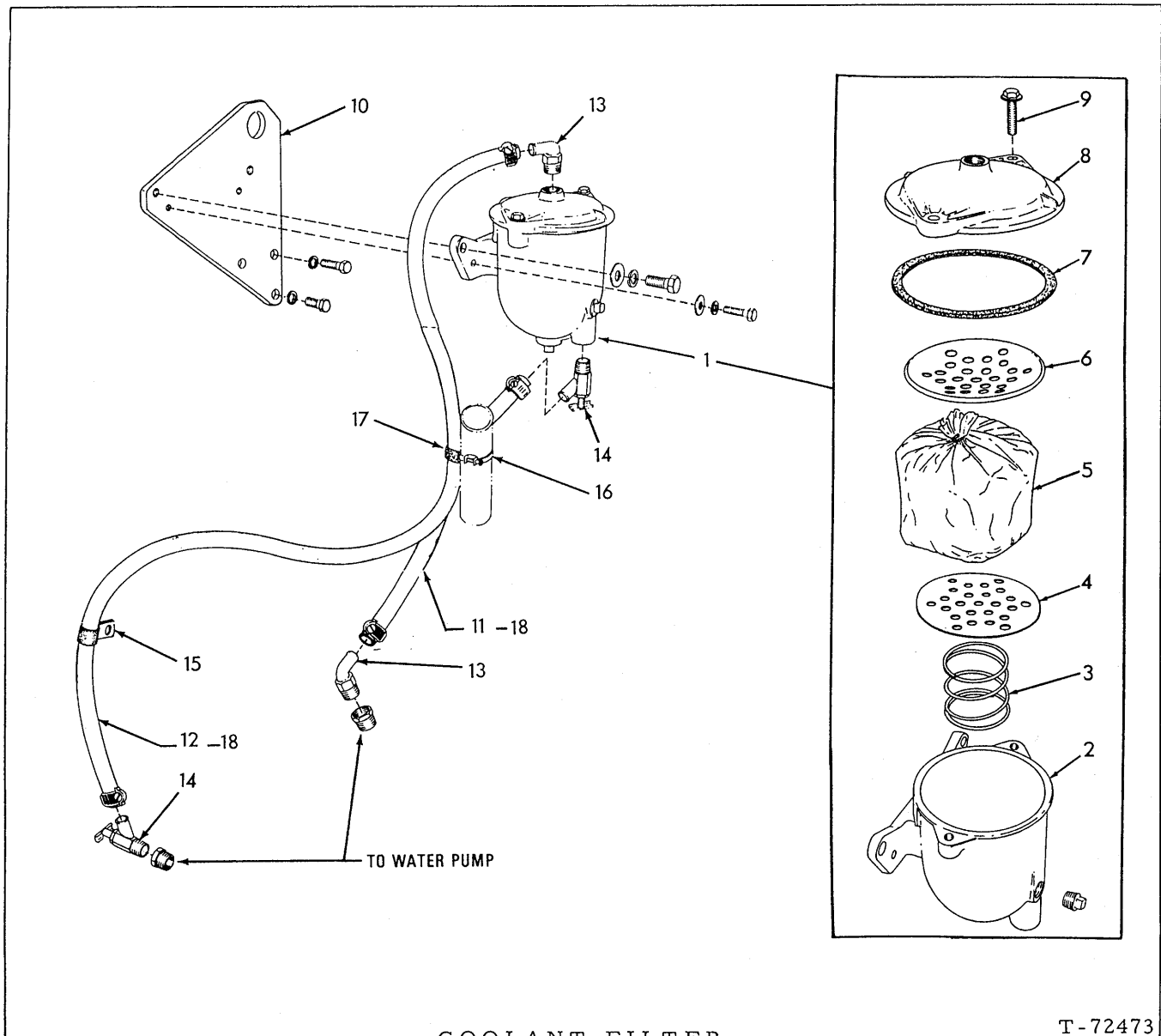
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(Revised April 1980)

## WATER OUTLET MANIFOLD (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                                                                                                                                                                                   |                                    |
|------|----------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| 3    | -----    | 1    | MANIFOLD (Engines prior to #17-03557)(Order 1<br>MANIFOLD 74394668, 1 COVER 74313015, 1<br>GASKET 74362458, 2 CAPSCREW 70915408, 2<br>LOCKWASHER 70904206, 1 BUSHING 70920779,<br>1 BUSHING 70920774, 1 PLUG 70920333 and 2<br>PLUG 70921073) |                                    |
|      | 74394627 | 1    | MANIFOLD (Engine #17-03557 and up)                                                                                                                                                                                                            |                                    |
|      | 70919840 | 1    | PLUG, pipe, hex-hd., 1/4"NPT                                                                                                                                                                                                                  |                                    |
|      | 70920416 | 1    | PLUG, pipe, hex-hd., 1/2"NPT                                                                                                                                                                                                                  |                                    |
|      | 70920525 | 1    | PLUG, pipe, hex-hd., 3/4"NPT                                                                                                                                                                                                                  |                                    |
|      | 70919224 | 6    | CAPSCREW, 3/8"NC x 1-1/8"                                                                                                                                                                                                                     |                                    |
|      | 70904206 | 6    | LOCKWASHER, 3/8"                                                                                                                                                                                                                              |                                    |
| 4    | 74354537 | 2    | THERMOSTAT                                                                                                                                                                                                                                    |                                    |
| 5    | 74376520 | 1    | GASKET                                                                                                                                                                                                                                        |                                    |
| 6    | 74317554 | 2    | SEAL                                                                                                                                                                                                                                          |                                    |
| 7    | 74389036 | 1    | COVER ASSY. (Includes item 6)                                                                                                                                                                                                                 |                                    |
|      | 70918374 | 1    | ELBOW, street, brass, 90°, 1/4"NPT                                                                                                                                                                                                            | } Engines<br>prior to<br>#17-03955 |
|      | 70912415 | 1    | COCK, T-handle, 1/4"NPT (For<br>venting air)                                                                                                                                                                                                  |                                    |
|      | 70918395 | 4    | CAPSCREW, 7/16"NC x 3-1/4"                                                                                                                                                                                                                    |                                    |
|      | 70918740 | 1    | CAPSCREW, 7/16"NC x 4"                                                                                                                                                                                                                        |                                    |
|      | 70904207 | 5    | LOCKWASHER, 7/16"                                                                                                                                                                                                                             |                                    |
| 8    | 74386137 | 1    | GASKET                                                                                                                                                                                                                                        |                                    |
| 9    | 74386835 | 1    | TUBE (Engines prior to #17-04095)                                                                                                                                                                                                             |                                    |
|      | 74394615 | 1    | TUBE (Engines #17-04095 and up)                                                                                                                                                                                                               |                                    |
|      | 70916274 | 2    | CAPSCREW, 3/8"NC x 2-1/4"                                                                                                                                                                                                                     |                                    |
|      | 70904206 | 2    | LOCKWASHER, 3/8"                                                                                                                                                                                                                              |                                    |
| 10   | 74394772 | 1    | ELBOW (Engines prior to #17-04095)                                                                                                                                                                                                            |                                    |
|      | 74396370 | 1    | ELBOW (Engines #17-04095 and up)                                                                                                                                                                                                              |                                    |
|      | 70922198 | 2    | CLAMP, hose, 1-9/16" to 2-9/16" diam.                                                                                                                                                                                                         |                                    |
| 11   | 74386779 | 1    | FLANGE (Engines prior to #17-04095)                                                                                                                                                                                                           |                                    |
|      | 74396115 | 1    | ELBOW (Engines #17-04095 and up)                                                                                                                                                                                                              |                                    |
|      | 70916271 | 2    | CAPSCREW, 3/8"NC x 1"                                                                                                                                                                                                                         |                                    |
|      | 70904206 | 2    | LOCKWASHER, 3/8"                                                                                                                                                                                                                              |                                    |
| 12   | 70920525 | 1    | PLUG                                                                                                                                                                                                                                          |                                    |
| 13   | 74378112 | 1    | □ GASKET                                                                                                                                                                                                                                      |                                    |
| 14   | 74395709 | 6    | □ GASKET                                                                                                                                                                                                                                      |                                    |
| 15   | -----    | -    | GAUGE (See page 239)                                                                                                                                                                                                                          |                                    |
| 16   | -----    | -    | ELBOW AND GASKET (See page 89)                                                                                                                                                                                                                |                                    |
| 17   | 74386881 | 1    | ELBOW                                                                                                                                                                                                                                         |                                    |
|      | 70916271 | 2    | CAPSCREW, 3/8"NC x 1"                                                                                                                                                                                                                         |                                    |
|      | 70904206 | 2    | LOCKWASHER, 3/8"                                                                                                                                                                                                                              |                                    |
| 18   | 74362458 | 1    | GASKET                                                                                                                                                                                                                                        |                                    |
| 19   | 74313015 | 1    | COVER                                                                                                                                                                                                                                         | } Engines prior<br>to #17-04095    |
|      | 70915408 | 2    | CAPSCREW, 3/8"NC x 3/4"                                                                                                                                                                                                                       |                                    |
|      | 70904206 | 2    | LOCKWASHER, 3/8"                                                                                                                                                                                                                              |                                    |

(Revised April 1981)



COOLANT FILTER

T-72473

USAGE: Engines prior to Serial No. 17-03955. See page 105A for second type.

ITEM PART NO. QTY. DESCRIPTION

|   |          |   |                                                                           |
|---|----------|---|---------------------------------------------------------------------------|
| 1 | 74359248 | 1 | FILTER ASSY., water (Consists of items 2 thru 9. Has All-purpose element) |
|   | 70920582 | 2 | CAPSCREW, 1/2"NC x 1-1/4"                                                 |
|   | 70912441 | 2 | LOCKWASHER, 1/2"                                                          |
|   | 70921422 | 2 | CAPSCREW, 5/16"NC x 1-1/8"                                                |
|   | 70901165 | 2 | WASHER, plain, U.S. std., 5/16"                                           |
|   | 70910286 | 2 | LOCKWASHER, 5/16"                                                         |
| 2 | 74055031 | 1 | BODY, filter                                                              |
|   | 70920131 | 2 | PLUG, pipe, 3/8"NPT                                                       |
| 3 | 74054569 | 1 | SPRING, filter element                                                    |
| 4 | 74054568 | 1 | PLATE, filter element, lower                                              |

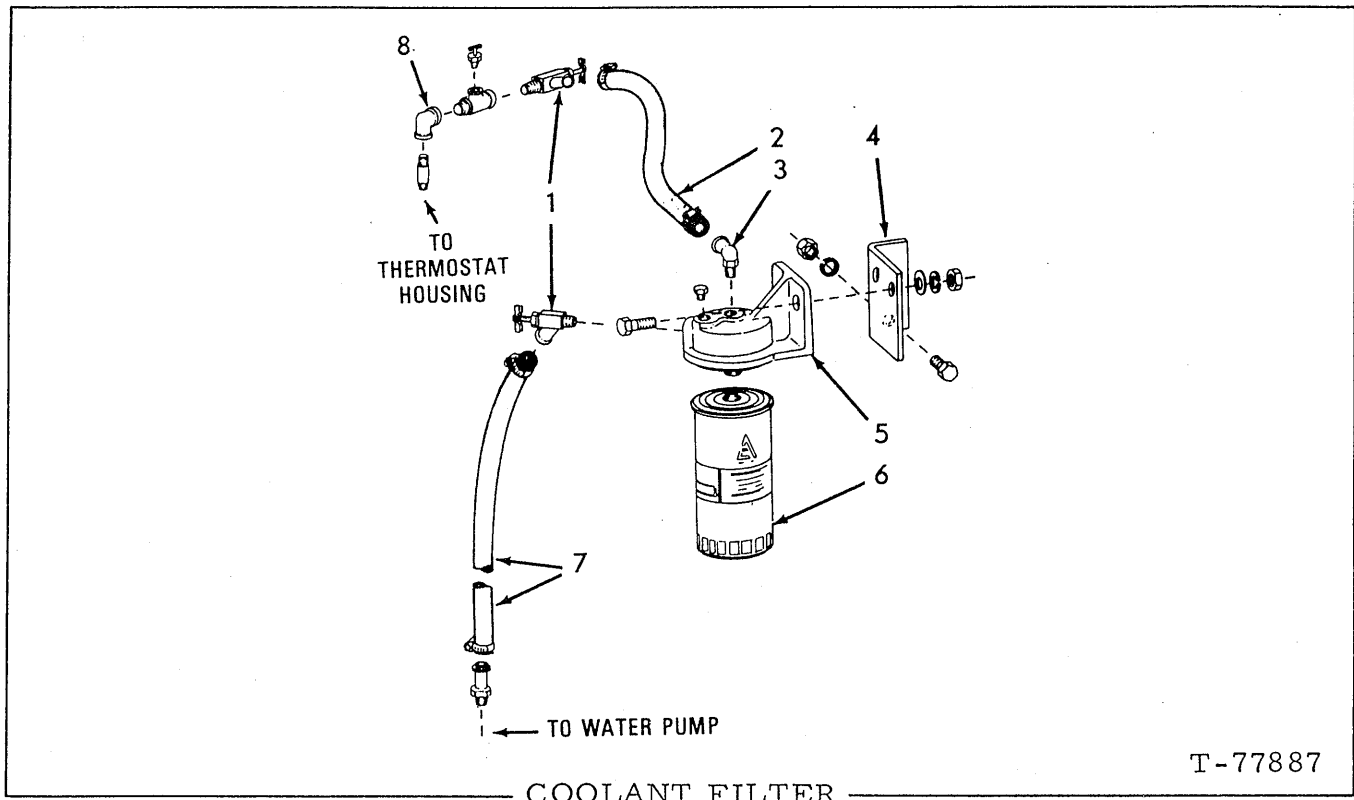
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(Revised April 1980)



COOLANT FILTER (Continued)

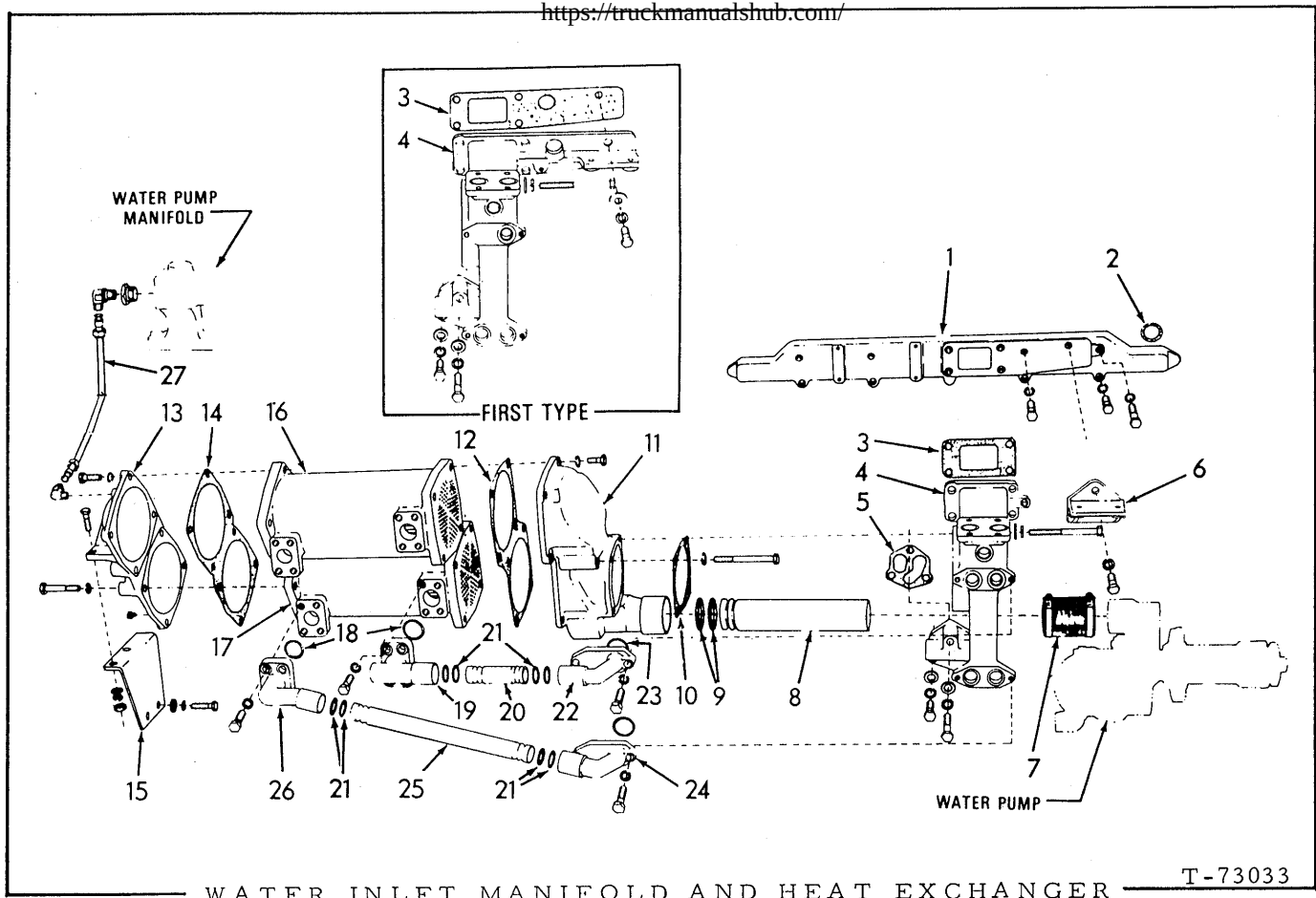
| ITEM | PART NO. | QTY. | DESCRIPTION                                                                                                                                                                                                 |
|------|----------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5    | 74059380 | 1    | ELEMENT KIT, filter (Includes items 4, 6 and 7)(Chromate-type. For use with "Dowtherm" 209)                                                                                                                 |
|      | 74059979 | 1    | ELEMENT KIT, filter (Includes items 4, and 7)(Original equipment. All-purpose, recommended for use with plain water as well as most types of permanent and non-permanent anti-freeze except "Dowtherm" 209) |
| 6    | 74055034 | 1    | PLATE, filter element, upper                                                                                                                                                                                |
| 7    | 74054566 | 1    | GASKET, filter cover                                                                                                                                                                                        |
| 8    | 74055032 | 1    | COVER, filter                                                                                                                                                                                               |
| 9    | 74055033 | 2    | BOLT ASSY., filter cover (Includes washer)                                                                                                                                                                  |
| 10   | 74392626 | 1    | BRACKET, filter mounting                                                                                                                                                                                    |
|      | 70916311 | 3    | CAPSCREW, 1/2"NC x 1-1/4"                                                                                                                                                                                   |
|      | 70904208 | 3    | LOCKWASHER, 1/2"                                                                                                                                                                                            |
| 11   | -----    | 1    | HOSE, water pump to filter (14-1/2" long. Order item 18)                                                                                                                                                    |
|      | 70921911 | 2    | CLAMP, hose, 11/16" to 1-1/4" diam.                                                                                                                                                                         |
| 12   | -----    | 1    | HOSE, filter to water pump (56" long. Order item 18)                                                                                                                                                        |
|      | 70921911 | 2    | CLAMP, hose, 11/16" to 1-1/4" diam.                                                                                                                                                                         |
| 13   | 74255286 | 2    | ELBOW, water hose (90°, 5/8" nipple, 3/8"NPT)                                                                                                                                                               |
|      | 74142263 | 1    | BUSHING, pipe reducing, 1"NPT to 3/8"NPT                                                                                                                                                                    |
| 14   | 74255287 | 2    | VALVE, water shut-off (5/8" nipple, 3/8"NPT)                                                                                                                                                                |
|      | 70904271 | 1    | BUSHING, pipe, reducing, 1/2"NPT to 3/8"NPT                                                                                                                                                                 |
| 15   | 74255770 | 1    | CLAMP, water inlet hose                                                                                                                                                                                     |
| 16   | 70919789 | 1    | CLAMP, hose binding                                                                                                                                                                                         |
| 17   | 74388574 | 1    | SLEEVE, hose binding clamp (plastic)                                                                                                                                                                        |
| 18   | 70920722 | 1    | HOSE, rubber, 5/8"I.D., 25 ft. roll (Use as required)                                                                                                                                                       |



USAGE: Engine S/N 17-03955 and up. See page 104 for first type.

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                                                                                                                 |
|------|----------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | 74255287 | 2    | VALVE, shut-off                                                                                                                                                             |
| 2    | -----    | 1    | HOSE, 5/8" I.D. (Order 13" of 70920722)(See NOTE)                                                                                                                           |
|      | 70921911 | 2    | CLAMP, 11/16" to 1-1/4" diam.                                                                                                                                               |
| 3    | 74255286 | 1    | ELBOW, 3/8"NPT                                                                                                                                                              |
| 4    | 74394434 | 1    | BRACKET                                                                                                                                                                     |
|      | 70916197 | 2    | CAPSCREW, 7/16"NC x 1-1/4"                                                                                                                                                  |
|      | 70904207 | 2    | LOCKWASHER, 7/16"                                                                                                                                                           |
|      | 70912201 | 2    | NUT, 7/16"NC                                                                                                                                                                |
| 5    | 74393427 | 1    | HEAD ASSY. (Includes plug indented below)                                                                                                                                   |
|      | 70919134 | 1    | PLUG, 1/8"NPT                                                                                                                                                               |
|      | 70916197 | 2    | CAPSCREW, 7/16"NC x 1-1/4"                                                                                                                                                  |
|      | 70910919 | 2    | WASHER                                                                                                                                                                      |
|      | 70904207 | 2    | LOCKWASHER, 7/16"                                                                                                                                                           |
|      | 70912201 | 2    | NUT, 7/16"NC                                                                                                                                                                |
| 6    | 74393504 | 1    | FILTER (Original equipment, all purpose, recommended for use with most types of permanent and non-permanent anti-freeze as well as with plain water (except "Dowtherm" 209) |
|      | 74393505 | 1    | FILTER (Chromate type, for use with "Dowtherm" 209 anti-freeze)                                                                                                             |
| 7    | -----    | 1    | HOSE, 5/8" I.D. (Order 23-1/2" of 70920722)(See NOTE)                                                                                                                       |
|      | 70921911 | 2    | CLAMP, 11/16" to 1-1/4" diam.                                                                                                                                               |
|      | 70925238 | 1    | NIPPLE, 5/8"hose, 3/8"NPT                                                                                                                                                   |
| 8    | 70905014 | 1    | ELBOW (90°, pipe reducing, 3/8"NPT to 1/4"NPT)                                                                                                                              |
|      | 70901478 | 1    | NIPPLE, pipe, 1/4"NPT x 7/8"                                                                                                                                                |
|      | 70913257 | 1    | TEE, service, 3/8"NPT                                                                                                                                                       |
|      | 70916873 | 1    | COCK, 3/8"NPT (air venting)                                                                                                                                                 |

NOTE: Factory provides 25 foot rolls only. Dealer will provide cut length or full roll.



WATER INLET MANIFOLD AND HEAT EXCHANGER

T-73033

ITEM PART NO. QTY. DESCRIPTION

|   |          |    |                                                                          |                                               |
|---|----------|----|--------------------------------------------------------------------------|-----------------------------------------------|
| 1 | 74395002 | 1  | MANIFOLD, water inlet (Also order 2 PLUG 70931239)                       | } Engines prior to #17-04275                  |
|   | 70919231 | 4  | CAPSCREW, 1/2" NC x 1-7/8"                                               |                                               |
|   | 70916317 | 3  | CAPSCREW, 1/2" NC x 2-3/4"                                               |                                               |
|   | 70915969 | 1  | CAPSCREW, 1/2" NC x 3"                                                   |                                               |
|   | 70904208 | 8  | LOCKWASHER, 1/2"                                                         |                                               |
|   | 70931239 | 2  | PLUG, core                                                               |                                               |
| 2 | 70925612 | 12 | □ O-RING, water inlet manifold                                           |                                               |
| 3 | 74389291 | 1  | □ GASKET, water and oil manifold (Engines prior to #17-02085)            |                                               |
|   | 74389635 | 1  | GASKET, water and oil manifold (Engines #17-02085 and up)                |                                               |
| 4 | 74393591 | 1  | MANIFOLD, water and oil (Engines prior to #17-02085)                     |                                               |
|   | 74393702 | 1  | MANIFOLD, water and oil (Engines #17-02085 and up)                       |                                               |
|   | 70916311 | 4  | CAPSCREW, 1/2" NC x 1-1/4" (1 additional used prior to engine #17-02085) |                                               |
|   | 70915987 | 2  | CAPSCREW, 1/2" NC x 1-1/2"                                               |                                               |
|   | 70916320 | 1  | CAPSCREW, 1/2" NC x 4"                                                   |                                               |
|   | 70904208 | 7  | LOCKWASHER, 1/2"                                                         | } 1 additional used prior to engine #17-02085 |
|   | 70912333 | 7  | WASHER, plain                                                            |                                               |
| 5 | 74386495 | 1  | □ GASKET, manifold to block                                              |                                               |

(Continued)

WATER INLET MANIFOLD AND HEAT EXCHANGER (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                            |
|------|----------|------|--------------------------------------------------------|
| 6    | 74393708 | 1    | BRACKET (Effective Engine #17-02085)                   |
|      | 70915987 | 1    | CAPSCREW, 1/2"NC x 1-1/2" (Engines prior to #17-04275) |
|      | 70918683 | 1    | CAPSCREW, 1/2"NC x 1-1/8" (Engines #17-04275 and up)   |
|      | 70904208 | 1    | LOCKWASHER, 1/2"                                       |
| 7    | 74662263 | 1    | HOSE, heat exchanger to water pump                     |
|      | 70922199 | 2    | CLAMP, hose                                            |
| 8    | 74388185 | 1    | TUBE, pump to bonnet                                   |
| 9    | 70923651 | 2    | □O-RING, bonnet tube                                   |
| 10   | 74371160 | 1    | □GASKET, heat exchanger adapter                        |
| 11   | 74395447 | 1    | ADAPTER, heat exchanger                                |
|      | 70919294 | 2    | CAPSCREW, 1/2"NC x 4-1/4" } To Exchanger               |
|      | 70915987 | 6    | CAPSCREW, 1/2"NC x 1-1/2" }                            |
|      | 70916320 | 2    | CAPSCREW, 1/2"NC x 4" } To Manifold                    |
|      | 70916322 | 2    | CAPSCREW, 1/2"NC x 5" }                                |
|      | 70912441 | 12   | LOCKWASHER, 1/2"                                       |
|      | 70916009 | 4    | WASHER, plain                                          |
|      | 74371107 | 2    | WASHER, plain (turbocharger supply line bracket)       |
| 12   | 74389678 | 1    | □GASKET, heat exchanger adapter                        |
| 13   | 74388465 | 1    | BONNET(Cast Iron)(Engines prior to #17-03619)          |
|      | 74394949 | 1    | BONNET (Aluminum)(Engine #17-03619 and up)             |
|      | 70919840 | 1    | PLUG, pipe, hex-hd., 1/4"NPT                           |
|      | 70916313 | 4    | CAPSCREW, 1/2"NC x 1-3/4" } To Heat Exchanger          |
|      | 70915969 | 4    | CAPSCREW, 1/2"NC x 3" }                                |
|      | 70904208 | 8    | LOCKWASHER, 1/2" }                                     |
|      | 70914847 | 2    | CAPSCREW, 3/8"NC x 1-1/2" } To Supporting Bracket      |
|      | 70911115 | 4    | WASHER, plain, SAE std., 3/8" }                        |
|      | 70904206 | 2    | LOCKWASHER, 3/8" }                                     |
|      | 70910324 | 2    | NUT, 3/8"NC }                                          |
| 14   | 74389676 | 1    | □GASKET, heat exchanger bonnet                         |
| 15   | 74390888 | 1    | BRACKET, supporting, heat exchanger                    |
|      | 70916311 | 2    | CAPSCREW, 1/2"NC x 1-1/4"                              |
|      | 70910244 | 2    | WASHER, plain, SAE std., 1/2"                          |
|      | 70904208 | 2    | LOCKWASHER, 1/2"                                       |
| 16   | 74394014 | 1    | EXCHANGER, heat, transmission oil                      |
| 17   | 74394188 | 1    | EXCHANGER, heat, engine oil                            |
| 18   | 74255781 | 2    | □O-RING, heat exchanger elbows                         |
| 19   | 74390591 | 1    | ELBOW, heat exchanger discharge                        |
|      | 70916191 | 4    | CAPSCREW, 7/16"NC x 1-1/2"                             |
|      | 70904207 | 4    | LOCKWASHER, 7/16"                                      |
| 20   | 74390595 | 1    | TUBE, heat exchanger discharge                         |
| 21   | 74255631 | 8    | □O-RING, heat exchanger tubes                          |
| 22   | 74390592 | 1    | ELBOW, oil manifold, upper                             |
|      | 70919225 | 1    | CAPSCREW, 3/8"NC x 1-3/8"                              |
|      | 70912069 | 1    | CAPSCREW, 3/8"NC x 2-1/2"                              |
|      | 70904206 | 2    | LOCKWASHER, 3/8"                                       |

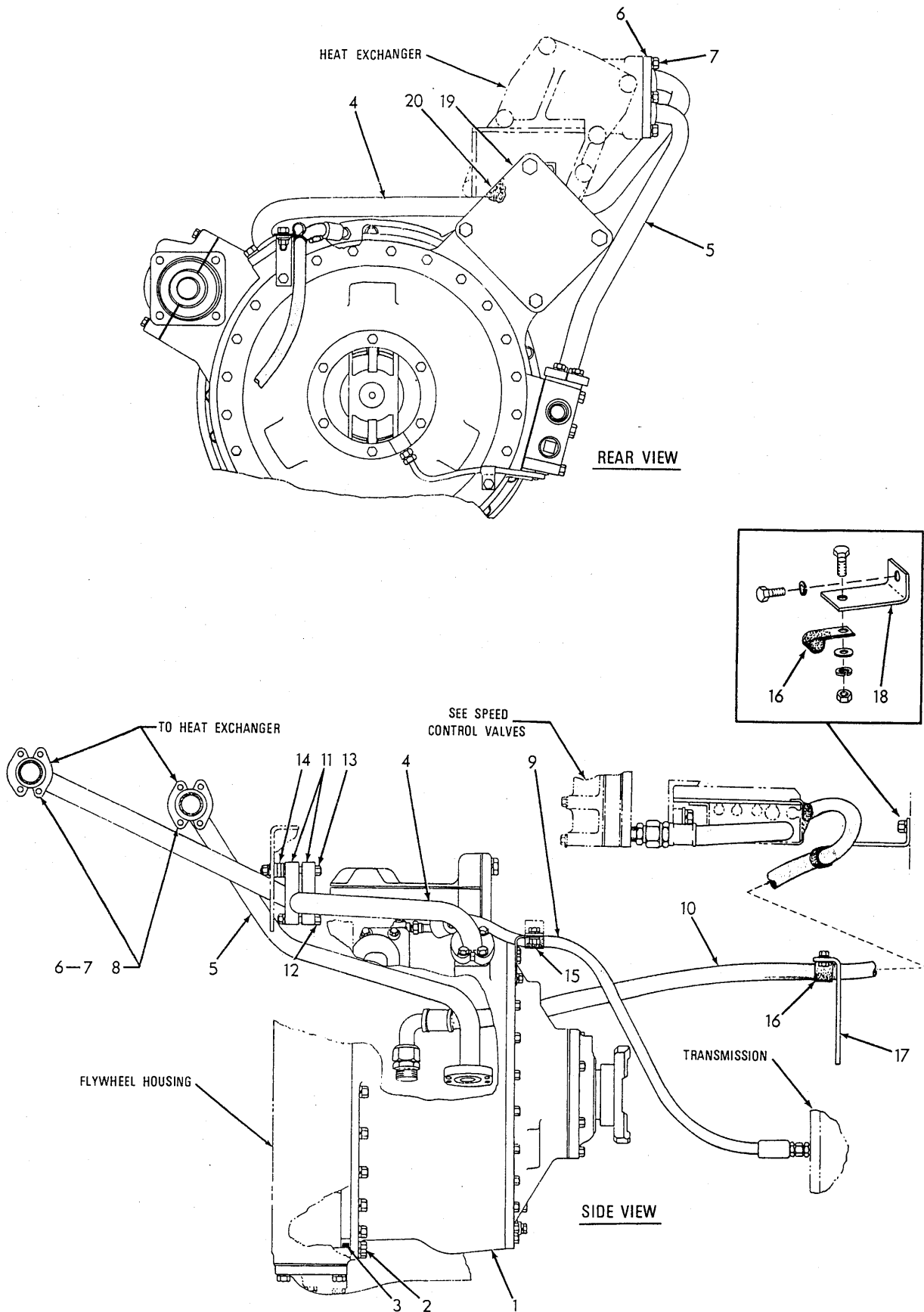
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(Revised April 1981)

WATER INLET MANIFOLD AND HEAT EXCHANGER (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                |
|------|----------|------|--------------------------------------------|
| 23   | 74255631 | 2    | □O-RING, oil manifold elbows               |
| 24   | 74390589 | 1    | ELBOW, oil manifold, lower                 |
|      | 70919225 | 1    | CAPSCREW, 3/8"NC x 1-3/8"                  |
|      | 70912069 | 1    | CAPSCREW, 3/8" NC x 2-1/2"                 |
|      | 70904206 | 2    | LOCKWASHER, 3/8"                           |
| 25   | 74390594 | 1    | TUBE, heat exchanger intake                |
| 26   | 74390590 | 1    | ELBOW, heat exchanger intake               |
|      | 70916191 | 4    | CAPSCREW, 7/16"NC x 1-1/2"                 |
|      | 70904207 | 4    | LOCKWASHER, 7/16"                          |
| 27   | 74390583 | 1    | TUBE, air bleed                            |
|      | 70917809 | 2    | NUT, imperial, 1/4" tube                   |
|      | 74255956 | 2    | SLEEVE, imperial, 1/4" tube                |
|      | 70919481 | 2    | ELBOW, imperial, 1/4" tube, 1/4"NPT male   |
|      | 70901839 | 1    | BUSHING, pipe reducing, 1/2"NPT to 1/4"NPT |



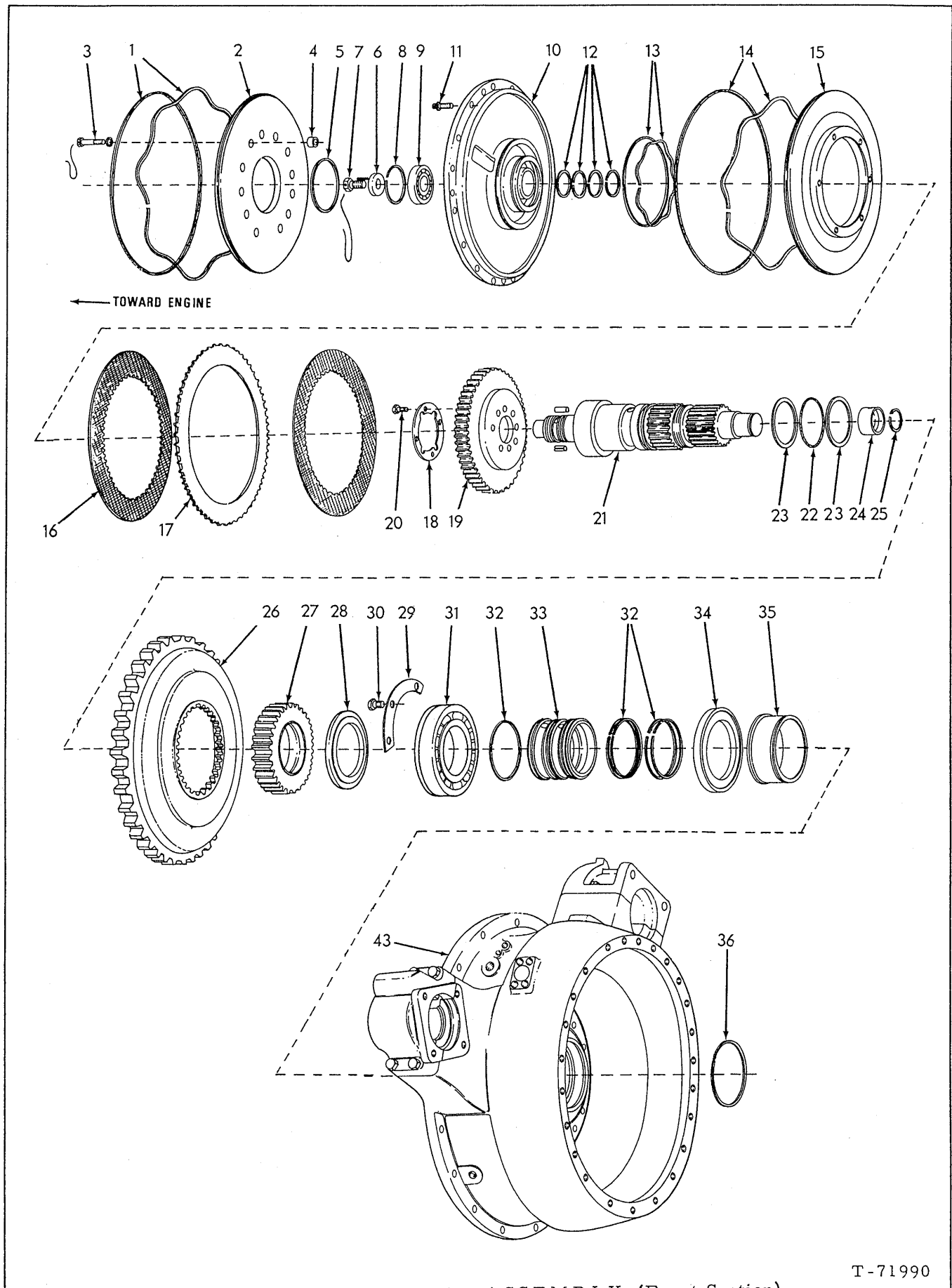


TORQUE CONVERTER LINES

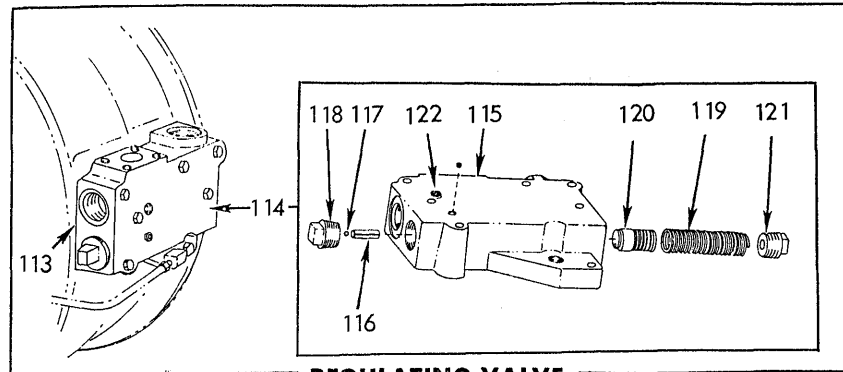
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TORQUE CONVERTER LINES

| ITEM | PART NO.   | QTY. | DESCRIPTION                                                                                |
|------|------------|------|--------------------------------------------------------------------------------------------|
| 1    | -----      | 1    | CONVERTER ASSY., torque (See page 114)                                                     |
| 2    | 70923192   | 16   | CAPSCREW, 7/16"NC x 1-1/2"                                                                 |
|      | 70904207   | 17   | LOCKWASHER, 7/16"                                                                          |
|      | 70921569   | 1    | CAPSCREW, 7/16" x 1-1/4"                                                                   |
| 3    | 70924828   | 1    | □ O-RING, torque converter to flywheel housing                                             |
| 4    | 70659433   | 1    | TUBE, converter to heat exchanger                                                          |
| 5    | 70659432   | 1    | TUBE, heat exchanger to converter                                                          |
| 6    | 70921117   | 8    | FLANGE, tube attaching (half only)                                                         |
| 7    | 70921569   | 16   | CAPSCREW, 7/16"NC x 1-1/4"                                                                 |
|      | 70914678   | 16   | LOCKWASHER, 7/16"                                                                          |
| 8    | 70923664   | 4    | □ O-RING, tube attaching flange                                                            |
| 9    | 70648501   | 1    | HOSE, breather line (See HOSE PARTS)                                                       |
|      | 70919136   | 1    | ELBOW, flare type, 3/8"tube, 3/8"NPT male                                                  |
|      | 70919172   | 1    | CONNECTOR, flare type, 3/8" tube, 3/8"NPT male                                             |
| 10   | 70665910   | 1    | HOSE, speed control valve to torque converter (See HOSE PARTS)                             |
|      | 70919246   | 1    | CONNECTOR, flare type, 1" tube, 3/4"NPT male                                               |
|      | 70921228   | 1    | CONNECTOR, flare type, 1"tube, 1-5/16"NF (Includes O-RING)                                 |
|      | 70921214   | 1    | O-RING, connector (1-3/8"O. D.)                                                            |
| 11   | 70658514   | 2    | BLOCK, tube supporting                                                                     |
| 12   | 70927174   | 1    | CAPSCREW, 3/8"NC x 2-1/2"                                                                  |
| 13   | 70924843   | 1    | CAPSCREW, 3/8"NC x 3-1/2"                                                                  |
|      | 70044973   | 1    | WASHER, plain                                                                              |
|      | 70910287   | 2    | LOCKWASHER, 3/8"                                                                           |
|      | 70911026   | 2    | NUT, 3/8"NC                                                                                |
| 14   | { 70044973 | 3    | WASHER, block spacing (large) }                                                            |
|      | 70055914   | 2    | WASHER, block spacing (small) }                                                            |
|      |            |      | Use as required                                                                            |
| 15   | 70621304   | 1    | CLIP, hose supporting (3/4" diam.)                                                         |
| 16   | 70644457   | 3    | CLIP, hose supporting (1-5/16" diam.)( 1 less used on units equipped with PUSH-START PUMP) |
|      | 70916311   | 2    | CAPSCREW, 1/2"NC x 1-1/4"                                                                  |
|      | 70910244   | 2    | WASHER, plain                                                                              |
|      | 70904208   | 2    | LOCKWASHER, 1/2"                                                                           |
|      | 70911028   | 2    | NUT, 1/2"NC                                                                                |
| 17   | 70653046   | 1    | ANGLE, hose supporting                                                                     |
| 18   | 70620604   | 1    | ANGLE, hose supporting                                                                     |
|      | 70921175   | 1    | CAPSCREW, 1/2"NC x 1"                                                                      |
|      | 70912441   | 1    | LOCKWASHER, 1/2"                                                                           |
| 19   | 70665934   | 1    | COVER, dozer pump drive                                                                    |
|      | 70921556   | 4    | CAPSCREW, 1/2"NC x 2"                                                                      |
|      | 70912441   | 4    | LOCKWASHER, 1/2"                                                                           |
|      |            |      | } Not used on units with hydraulic dozer                                                   |
| 20   | 70665933   | 1    | GASKET, cover                                                                              |

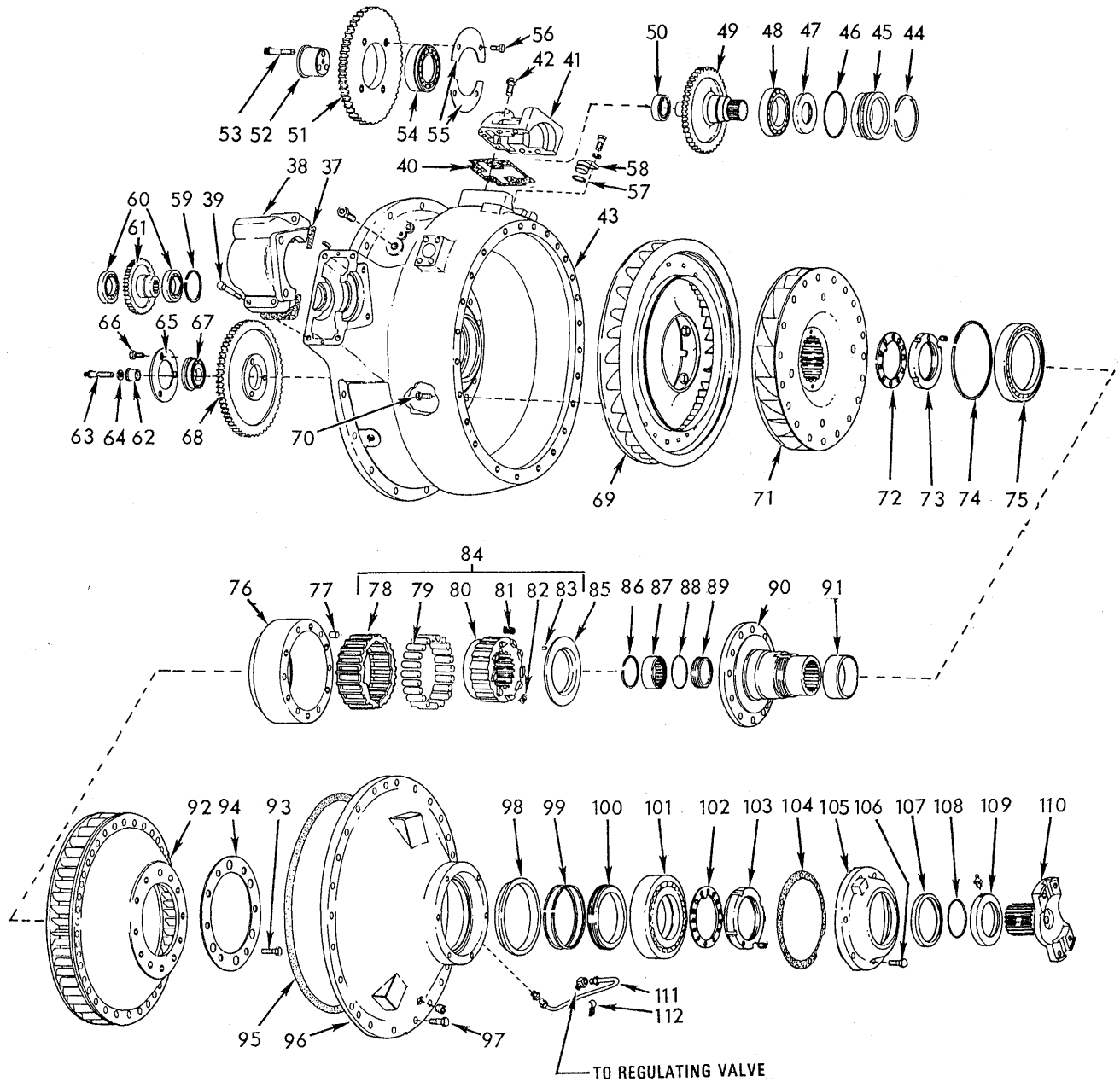




T-71990



**REGULATING VALVE**



**TORQUE CONVERTER PARTS (Rear Section)**

T-73619

# TORQUE CONVERTER ASSEMBLY

USAGE: See page 111

| ITEM | PART NO. | QTY. | DESCRIPTION                                |
|------|----------|------|--------------------------------------------|
| -    | 70662979 | 1    | CONVERTER ASSY. (Includes items 1 thru 120 |
| 1    | 70662988 | 1    | RING,                                      |
|      | 70662993 | 1    | EXPANDER                                   |
| 2    | 70639563 | 1    | PISTON                                     |
| 3    | 70927482 | 12   | CAPSCREW, drilled-hd., 3/8"NC x 1-5/8"     |
|      | 70911115 | 12   | WASHER, plain, SAE std., 3/8"              |
|      | 70023633 | 3    | WIRE, locking, 1/16" x 12"                 |
| 4    | 70639535 | 12   | SPACER                                     |
| 5    | 70639544 | 1    | RING                                       |
| 6    | 70639536 | 1    | WASHER                                     |
|      | 70919180 | 1    | PIN, spring, 1/8" x 5/8"                   |
| 7    | 70927475 | 1    | CAPSCREW, drilled-hd., 1/2"NC x 1-1/2"     |
|      | 70023633 | 1    | WIRE, locking, 1/16" x 12"                 |
| 8    | 73035105 | 1    | RING                                       |
| 9    | 70097088 | 1    | BEARING                                    |
| 10   | 70639615 | 1    | CARRIER                                    |
| 11   | 70922051 | 16   | SCREW, 12-pt. head, 3/8"NC x 1"            |
| 12   | 70642716 | 4    | RING                                       |
| 13   | 70662989 | 1    | RING                                       |
|      | 70662991 | 1    | EXPANDER                                   |
| 14   | 70662990 | 1    | RING                                       |
|      | 70662992 | 1    | EXPANDER                                   |
| 15   | 70640743 | 1    | PISTON                                     |
| 16   | 70682971 | 2    | PLATE (bi-metallic)                        |
| 17   | 70639523 | 1    | PLATE (steel)                              |
| 18   | 70640742 | 1    | WASHER                                     |
| 19   | 70647404 | 1    | RING                                       |
|      | 70922524 | 4    | PIN, spring, 1/2" x 1-1/2"                 |
|      | 74054570 | 4    | PIN, dowel, 7/16" x 1"                     |
| 20   | 70650399 | 4    | CAPSCREW, self-locking, 3/8"NF x 7/8"      |
| 21   | 70646985 | 1    | SHAFT                                      |
| 22   | 70632603 | 1    | □ O-RING                                   |
| 23   | 70640791 | 2    | RING                                       |
| 24   | 70632585 | 1    | RACE                                       |
| 25   | 70632601 | 1    | RING                                       |
| 26   | 70639527 | 1    | PLATE                                      |
| 27   | 70640779 | 1    | GEAR ASSY. (Torque Converter prior to      |
|      |          |      | Serial No. 257704                          |
|      | 70698911 | 1    | GEAR ASSY. (Torque Converter Serial No.    |
|      |          |      | 257704 and up)                             |
| 28   | 70639543 | 1    | SPACER                                     |
| 29   | 70632613 | 2    | WASHER (half only)                         |
| 30   | 74254905 | 6    | CAPSCREW, 3/8"NF x 3/4"                    |

Each  
includes  
Bushings

(Continued)

## TORQUE CONVERTER ASSEMBLY (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                                    |
|------|----------|------|----------------------------------------------------------------|
| 31   | 70645672 | 1    | BEARING, ball, input shaft                                     |
| 32   | 70639532 | 5    | RING, sealing (.124" wide)(Used prior to Converter #240233)    |
|      | 70679753 | 5    | RING, sealing (.120" wide)(Converters #240233 and up)          |
| 33   | 70639524 | 1    | CARRIER, seal ring                                             |
| 34   | 70639520 | 1    | RING, wear                                                     |
| 35   | 70639522 | 1    | SLEEVE, wear                                                   |
| 36   | 70640784 | 1    | RING, snap, wear sleeve retaining                              |
| 37   | 70640783 | 1    | GASKET, transmission pump gear housing                         |
| 38   | -----    | -    | HOUSING, transmission pump gears (Not serviced. Order item 43) |
| 39   | 70053616 | 4    | CAPSCREW, 3/8"NC x 1-3/4"                                      |
| 40   | 70674402 | 1    | GASKET, pump gear housing                                      |
| 41   | -----    | 1    | HOUSING, pump gears (Not serviced. Order item 43)              |
| 42   | 70916311 | 6    | CAPSCREW, 1/2"NC x 1-1/4"                                      |
| 43   | 70674401 | 1    | HOUSING ASSEMBLY (Includes items 34 thru 42)                   |
|      | 70902071 | 1    | BUSHING, pipe reducing, 1"NPT to 3/8"NPT                       |
|      | 70912768 | 1    | PLUG, pipe, 1"NPT                                              |
|      | 70909091 | 3    | PLUG, pipe, hex-socket, 3/4"NPT                                |
|      | 73034915 | 4    | PIN, dowel, 3/8" x 5/8"                                        |
| 44   | 73027756 | 1    | RING, snap, driving gear retainer                              |
| 45   | 70638609 | 1    | RETAINER, pump driving gear                                    |
| 46   | 70923816 | 1    | □ O-RING, driving gear retainer                                |
| 47   | 73037990 | 1    | □ SEAL, pump driving gear                                      |
| 48   | 70054073 | 1    | BEARING, ball, pump driving gear (rear)                        |
| 49   | 70674403 | 1    | GEAR, driving, pump                                            |
| 50   | 70638612 | 1    | BEARING, roller, pump driving gear (front)                     |
| 51   | 70638618 | 1    | GEAR, idler, pump                                              |
| 52   | 70638616 | 1    | SHAFT, pump idler gear (Used prior to Converter #250839)       |
|      | 70694292 | 1    | SHAFT, pump idler gear (Converters #250839 and up)             |
| 53   | 70644927 | 3    | CAPSCREW, 12-pt. head, 3/8"NC x 2-1/2"                         |
| 54   | 70670411 | 1    | BEARING, roller, pump idler gear                               |
| 55   | 70638610 | 2    | WASHER, retaining, idler gear bearing                          |
| 56   | 70639534 | 4    | CAPSCREW, self-locking, 3/8"NF x 5/8"                          |
| 57   | 70923575 | 1    | □ O-RING, hole plug                                            |
| 58   | 70639955 | 1    | PLUG, hole                                                     |
|      | 70929846 | 2    | CAPSCREW, 7/16"NC x 7/8"                                       |
|      | 70914678 | 2    | LOCKWASHER, 7/16"                                              |
| 59   | 74053627 | 1    | RING, snap, bearing retaining                                  |
| 60   | 70067766 | 2    | BEARING, ball, transmission pump driving gear                  |

(Continued)

(Revised August 1980)

TORQUE CONVERTER ASSEMBLY (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                        |                                |
|------|----------|------|----------------------------------------------------|--------------------------------|
| 61   | 70640778 | 1    | GEAR                                               |                                |
| 62   | 70632604 | 1    | SHAFT                                              |                                |
| 63   | 70922850 | 1    | SCREW, 12-pt. head, 3/8"NC x 2"                    |                                |
| 64   | 70643763 | 1    | WASHER                                             |                                |
| 65   | 70628492 | 1    | RETAINER                                           |                                |
| 66   | 70639534 | 3    | CAPSCREW, self-locking, 3/8"NF x 5/8"              |                                |
| 67   | 70645269 | 1    | BEARING, ball (Includes snap ring)                 |                                |
| 68   | 70632630 | 1    | GEAR                                               |                                |
| 69   | 70632624 | 1    | WHEEL ASSY. (Torque converter prior to S/N 255657) | } Each serviced only as a unit |
|      | 70699915 | 1    | WHEEL ASSY. (Torque Converter S/N 255657 and up)   |                                |
| 70   | 70923193 | 10   | CAPSCREW, 3/8"NF x 1-1/4"                          |                                |
| 71   | 70639628 | 1    | WHEEL                                              |                                |
| 72   | 70632581 | 1    | WASHER                                             |                                |
| 73   | 70632582 | 1    | NUT                                                |                                |
|      | 70921401 | 1    | SETSCREW, hex-socket, half-dog-pt., 5/16"NC x 3/4" |                                |
| 74   | 70632590 | 1    | RING                                               |                                |
| 75   | 70632584 | 1    | BEARING                                            |                                |
| 76   | 70632652 | 1    | RACE                                               |                                |
| 77   | 70632600 | 6    | PIN, dowel, over-running clutch race               |                                |
| 78   | -----    | 1    | CAGE                                               | } Order item 84                |
| 79   | -----    | 22   | ROLLER                                             |                                |
| 80   | -----    | 1    | CAM                                                |                                |
| 81   | -----    | 2    | SPRING                                             |                                |
| 82   | -----    | 9    | SPRING                                             |                                |
| 83   | 70634342 | 1    | PIN, driving                                       |                                |
| 84   | 70638352 | 1    | CLUTCH KIT (Includes items 78 thru 83)             |                                |
| 85   | 70632606 | 1    | WASHER                                             |                                |
| 86   | 70632588 | 1    | RING                                               |                                |
| 87   | 70632591 | 1    | ROLLER ASSY.                                       |                                |
| 88   | 70923814 | 1    | □ O-RING                                           |                                |
| 89   | 70632620 | 1    | CARRIER                                            |                                |
| 90   | 70632635 | 1    | FLANGE                                             |                                |

(Continued)

TORQUE CONVERTER ASSEMBLY (Continued)

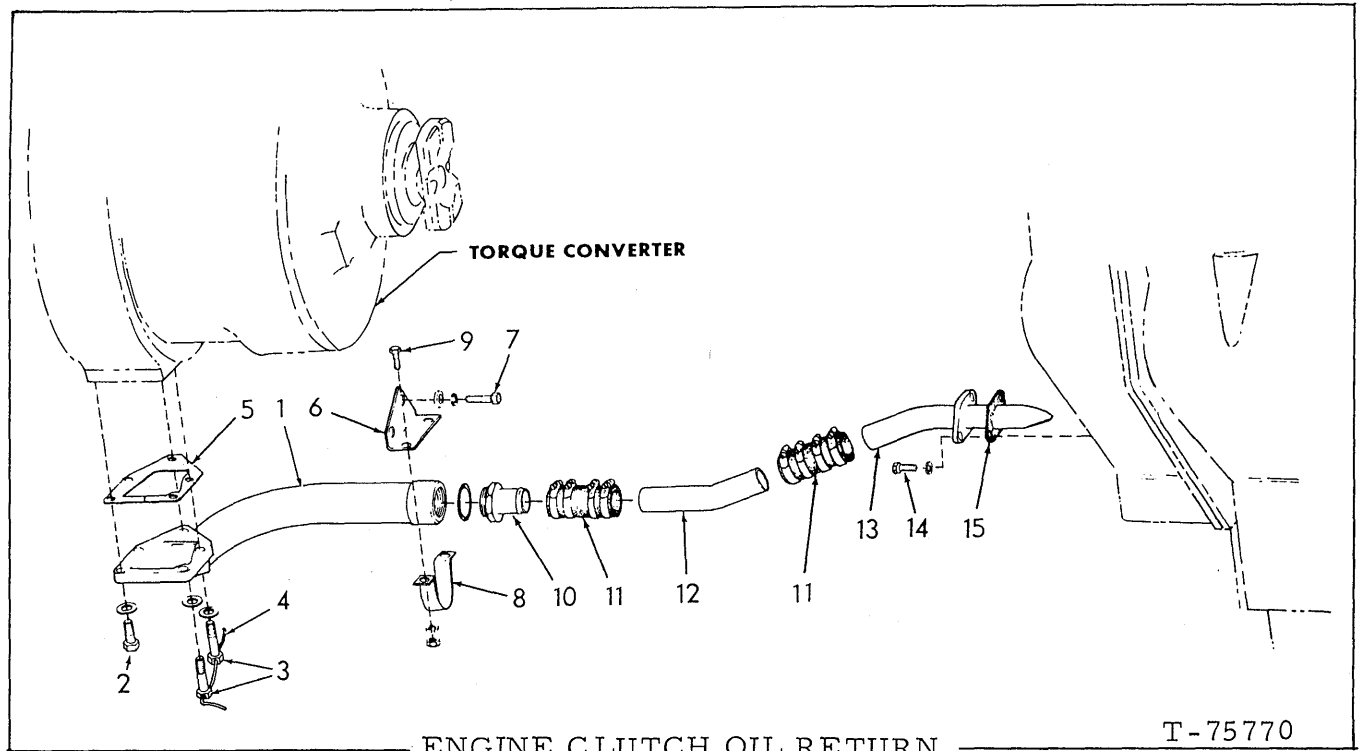
| ITEM | PART NO. | QTY. | DESCRIPTION                                                                                               |
|------|----------|------|-----------------------------------------------------------------------------------------------------------|
| 91   | 70632589 | 1    | SLEEVE, wear, turbine wheel flange                                                                        |
| 92   | 70632632 | 1    | WHEEL, turbine                                                                                            |
| 93   | 70923193 | 6    | CAPSCREW, 3/8"NF x 1-1/4"                                                                                 |
| 94   | 70632595 | 1    | WASHER, dowel pin retaining                                                                               |
| 95   | 70632587 | 1    | □GASKET, end plate                                                                                        |
| 96   | 70632623 | 1    | PLATE ASSY., rear end (Includes item 98)(Tractors prior to unit #10375 excluding EXCEPTIONS listed below) |
|      | 70678563 | 1    | PLATE ASSY., rear end (Tractors unit #10375 and up including EXCEPTIONS listed below)                     |
| 97   | 70909091 | 1    | PLUG, pipe, hex-socket, 3/4"NPT                                                                           |
|      | 70921076 | 24   | CAPSCREW, 3/8"NC x 1-1/4"                                                                                 |
| 98   | 70632592 | 1    | SLEEVE, wear, rear end plate (Tractors prior to unit #10375 excluding EXCEPTIONS listed below)            |
|      | 70678564 | 1    | SLEEVE, wear, rear end plate (Tractors unit #10375 and up including EXCEPTIONS listed below)              |
| 99   | 70640722 | 2    | RING, sealing (.124" wide)(Used prior to Converter #240233)                                               |
|      | 70679752 | 2    | RING, sealing (.120" wide)(Converters #240233 and up)                                                     |
| 100  | 70640096 | 1    | CARRIER, seal ring                                                                                        |
| 101  | 70632583 | 1    | BEARING, ball, turbine wheel flange                                                                       |
| 102  | 70624816 | 1    | WASHER, locking, bearing retaining nut                                                                    |
| 103  | 70624815 | 1    | NUT, bearing retaining                                                                                    |
|      | 70921401 | 1    | SETSCREW, hex-socket, half-dog-pt., 5/16"NC x 3/4"                                                        |
| 104  | 70052168 | 1    | □GASKET, rear bearing retainer                                                                            |
| 105  | 70632638 | 1    | RETAINER, rear bearing                                                                                    |
| 106  | 70921076 | 6    | CAPSCREW, 3/8"NC x 1-1/4"                                                                                 |
| 107  | 70693957 | 1    | □SEAL, oil, rear end                                                                                      |
| 108  | 70923585 | 1    | □O-RING, drive shaft yoke                                                                                 |
| 109  | 70632621 | 1    | SLEEVE, drive shaft yoke                                                                                  |
|      | 70914465 | 1    | FITTING, lubricating, straight, 1/8"NPT                                                                   |
| 110  | 70638848 | 1    | YOKE ASSY., drive shaft (Includes item 109)                                                               |
| 111  | 70640097 | 1    | TUBE ASSY., rear seal drain (Includes nuts)                                                               |
|      | 70918116 | 1    | CONNECTOR, inverted flare, 3/8" tube, 3/8"NPT male                                                        |
|      | 70918115 | 1    | ELBOW, inverted flare, 90°, 3/8" tube, 3/8"NPT male                                                       |
| 112  | 70639314 | 1    | CLIP, tube supporting                                                                                     |

EXCEPTIONS: Tractors Serial Nos. 19S10326, 10327, 10330, 10332, 10334, 10335, 10341, 10342, 10349, 10350

(Continued)

TORQUE CONVERTER ASSEMBLY (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                                    |
|------|----------|------|----------------------------------------------------------------|
| 113  | 70658556 | 1    | <input type="checkbox"/> GASKET, regulating valve              |
| 114  | 70658517 | 1    | VALVE ASSY., pressure regulating (Includes items 115 thru 122) |
|      | 70921565 | 1    | CAPSCREW, 3/8"NC x 1-1/2"                                      |
|      | 70927446 | 6    | CAPSCREW, 3/8"NC x 3"                                          |
| 115  | -----    | 1    | HOUSING, regulating valve (Not serviced separately)            |
|      | 70910231 | 1    | PLUG, pipe, hex-socket, 1/8"NPT                                |
| 116  | 70918390 | 1    | PIN, piston stop (3/8" x 1-1/4")                               |
| 117  | 70915904 | 1    | BALL, steel, 5/16" diam. (Used selectively)                    |
| 118  | 70658746 | 1    | PLUG, regulating valve                                         |
| 119  | 70639551 | 1    | SPRING, regulating valve                                       |
| 120  | 70659774 | 1    | PISTON, regulating valve                                       |
| 121  | 70912768 | 1    | PLUG, pipe, 1"NPT                                              |
| 122  | 70907859 | 1    | PLUG, pipe, hex-socket, 1/4"NPT                                |



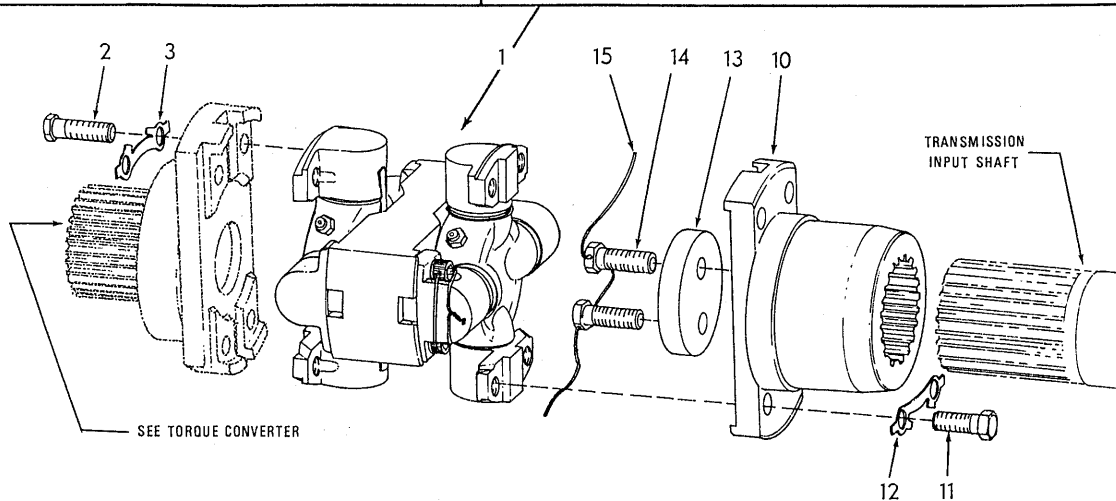
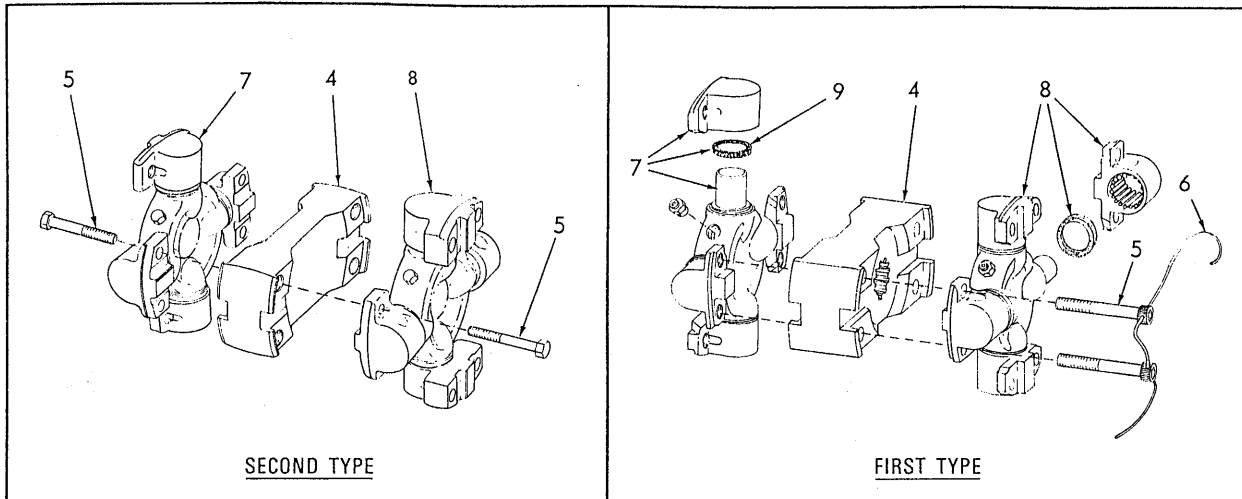
ENGINE CLUTCH OIL RETURN

T-75770

| ITEM | PART NO. | QTY. | DESCRIPTION                                |
|------|----------|------|--------------------------------------------|
| 1    | 70651629 | 1    | ELBOW, drain, flywheel housing             |
| 2    | 70920582 | 3    | CAPSCREW, 1/2"NC x 1-1/4"                  |
|      | 70928460 | 3    | WASHER, plain                              |
| 3    | 70929074 | 2    | CAPSCREW, drilled-hd., 1/2"NC x 2"         |
|      | 70928460 | 2    | WASHER                                     |
| 4    | 70023633 | 1    | WIRE, locking, 1/16" x 12"                 |
| 5    | 70640636 | 1    | □GASKET, flywheel housing drain elbow      |
| 6    | 70640667 | 1    | BRACKET, supporting, drain elbow           |
| 7    | 70927225 | 2    | CAPSCREW, 3/8"NC x 1-5/8"                  |
|      | 70910287 | 2    | LOCKWASHER, 3/8"                           |
|      | 70044973 | 2    | WASHER                                     |
| 8    | 70640664 | 1    | CLAMP, supporting, drain elbow             |
| 9    | 70922262 | 2    | CAPSCREW, 3/8"NC x 7/8"                    |
|      | 70910287 | 2    | LOCKWASHER, 3/8"                           |
|      | 70911026 | 2    | NUT, 3/8"NC                                |
| 10   | 70651694 | 1    | ADAPTER, connecting hose (Includes O-ring) |
|      | 70921887 | 1    | O-RING, adapter (1-15/16" O.D.)            |
| 11   | 70631788 | 2    | HOSE, connecting tube                      |
|      | 70921913 | 8    | CLAMP, hose, 1-13/16" to 2-3/4" diam.      |
| 12   | 70653806 | 1    | TUBE, connecting                           |
| 13   | 70653793 | 1    | TUBE, spill                                |
| 14   | 70922763 | 2    | CAPSCREW, 3/8"NC x 1"                      |
|      | 70910287 | 2    | LOCKWASHER, 3/8"                           |
| 15   | 70651655 | 1    | □GASKET, spill tube                        |

(Revised April 1980)





T-73662

UNIVERSAL JOINT

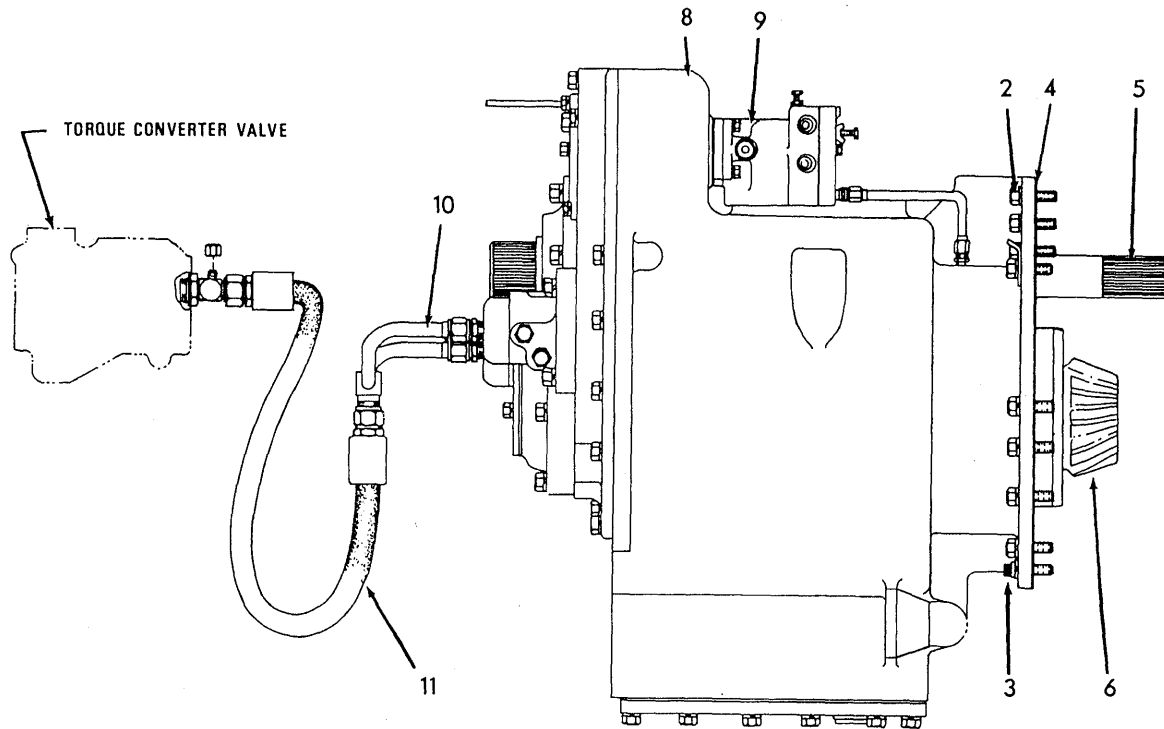
\*Used prior to tractor serial No. 19S12828 excluding 19S12826  
 \*\*Effective tractor serial No. 19S12828 thru 19S13001 including 19S12826  
 \*\*\*Effective tractor serial No. 19S13011 and up

| ITEM | PART NO. | QUANTITY |    |     | DESCRIPTION                                         |
|------|----------|----------|----|-----|-----------------------------------------------------|
|      |          | *        | ** | *** |                                                     |
| 1    | 70627348 | 1        | -  | -   | JOINT ASSY., universal (Consists of items 4 thru 9) |
|      | 70681025 | -        | 1  | -   | JOINT ASSY., universal (Includes items 4, 5, 7, 8)  |
|      | 70692672 | -        | -  | 1   | JOINT ASSY., universal (Includes items 4, 5, 7, 8)  |
| 2    | 70929009 | 4        | 4  | 4   | CAPSCREW, drilled-hd., 7/16"NF x 1-1/4"             |
| 3    | 70058741 | 2        | -  | -   | LOCK, capscrow                                      |
| 4    | 70629946 | 1        | 1  | -   | COUPLING, center (plain holes)                      |
|      | 70692645 | -        | -  | 1   | COUPLING, center (tapped holes)                     |

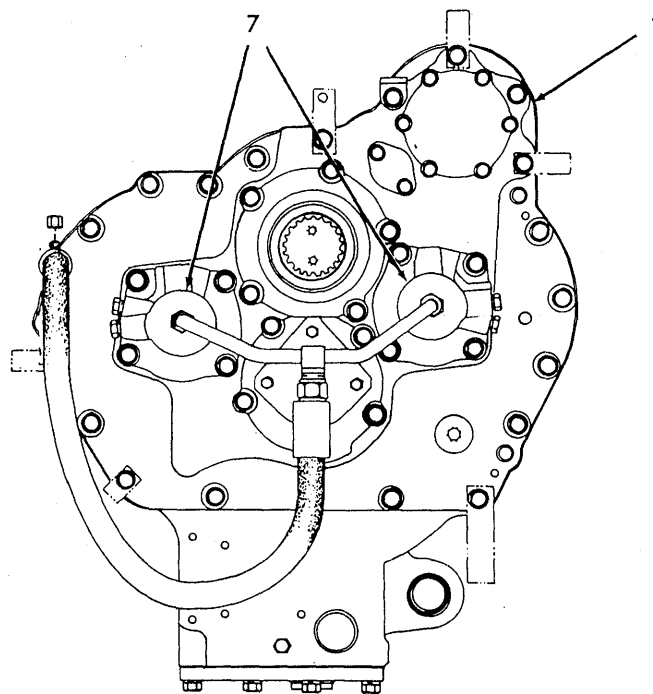
(Continued)

UNIVERSAL JOINT (Continued)

| ITEM | PART NO. | QUANITITY |    |     | DESCRIPTION                                                                                         |
|------|----------|-----------|----|-----|-----------------------------------------------------------------------------------------------------|
|      |          | *         | ** | *** |                                                                                                     |
| 5    | 70629945 | 4         | -  | -   | CAPSCREW, coupling                                                                                  |
|      | 70682573 | -         | 4  | -   | CAPSCREW, coupling                                                                                  |
|      | 70692646 | -         | -  | 8   | CAPSCREW, coupling                                                                                  |
| 6    | 70023633 | 2         | -  | -   | WIRE, locking, 1/16" x 12"                                                                          |
| 7    | 70083616 | 1         | -  | -   | SPIDER ASSY., front (Includes bearings, item 9 and FITTING indented below)(Serviced only as a unit) |
|      | 70914687 | 1         | -  | -   | FITTING, lubricating, straight, 1/4"NF                                                              |
|      | 70681008 | -         | 1  | -   | SPIDER ASSY., front (Includes bearings)(Serviced only as a unit)                                    |
|      | 70692644 | -         | -  | 1   | SPIDER ASSY., front (Includes bearings)(Serviced only as a unit)                                    |
| 8    | 70629943 | 1         | -  | -   | SPIDER ASSY., rear (Includes bearings, item 9 and FITTING indented below)(Serviced only as a unit)  |
|      | 70914687 | 1         | -  | -   | FITTING, lubricating, straight, 1/4"NF                                                              |
|      | 70691024 | -         | 1  | -   | SPIDER ASSY., rear (Includes bearings)(Serviced only as a unit)                                     |
|      | 70692644 | -         | -  | 1   | SPIDER ASSY., rear (Includes bearings)(Serviced only as a unit)                                     |
| 9    | 70084351 | 8         | -  | -   | WASHER, sealing (cork)                                                                              |
| 10   | 70627350 | 1         | 1  | 1   | YOKE, rear                                                                                          |
| 11   | 70058739 | 4         | 4  | 4   | CAPSCREW, 7/16"NF x 1-1/16"                                                                         |
| 12   | 70058741 | 2         | -  | -   | LOCK, capscrew                                                                                      |
| 13   | 70624140 | 1         | 1  | 1   | PLATE, yoke retaining                                                                               |
| 14   | 70929090 | 2         | 2  | 1   | CAPSCREW, drilled-hd., 1/2"NF x 1-1/4"                                                              |
| 15   | 70023633 | 1         | 1  | 1   | WIRE, locking, 1/16" x 12"                                                                          |



SIDE VIEW

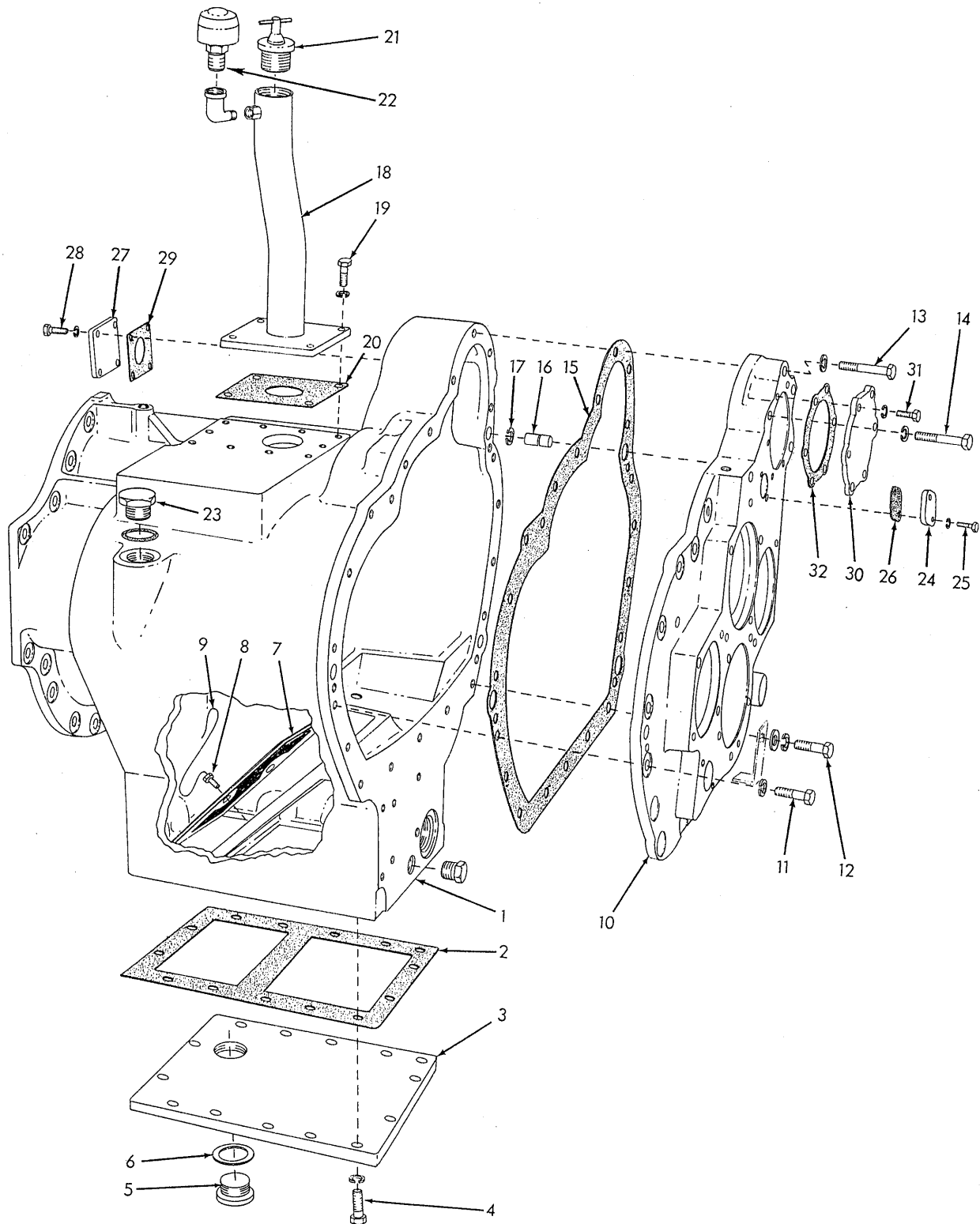


FRONT VIEW

TRANSMISSION

T-73829

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                               |
|------|----------|------|-------------------------------------------------------------------------------------------|
| 1    | 70654069 | 1    | TRANSMISSION ASSY. (Includes items 5 thru 8)(Standard)<br>(Tractors prior to unit #12878) |
|      | 70684142 | 1    | TRANSMISSION ASSY. (Includes item 5 thru 8)(Standard)<br>(Tractors unit #12878 and up)    |
|      | 70654070 | 1    | TRANSMISSION ASSY. (Includes items 5 thru 9)(Special)                                     |
| 2    | 70922726 | 19   | CAPSCREW, 1/2"NF x 1-1/2"                                                                 |
|      | 70912441 | 19   | LOCKWASHER, 1/2"                                                                          |
| 3    | 70647563 | 2    | CAPSCREW 12-point, 1/2"NF x 1-1/2"                                                        |
|      | 70912441 | 2    | LOCKWASHER, 1/2"                                                                          |
| 4    | 70654294 | 1    | <input type="checkbox"/> GASKET, case to steering clutch housing                          |
| 5    | -----    | -    | See TRANSMISSION INPUT SHAFT                                                              |
| 6    | -----    | -    | See TRANSMISSION BEVEL PINION SHAFT                                                       |
| 7    | -----    | -    | See TRANSMISSION CLUTCH SHAFTS                                                            |
| 8    | -----    | -    | See TRANSMISSION CASE AND COVERS                                                          |
| 9    | -----    | -    | See GROUND SPEED GOVERNOR                                                                 |
| 10   | 70659440 | 1    | TUBE ASSY., oil jumper (Includes nuts)                                                    |
|      | 70919472 | 2    | CONNECTOR, flare type, 5/8" tube, 1/2"NPT male                                            |
| 11   | 70659441 | 1    | HOSE, oil supply (See HOSE PARTS)                                                         |
|      | 70658610 | 1    | TEE, oil supply hose (Includes washer, nut and O-RING)                                    |
|      | 70921206 | 1    | O-RING, elbow (1-13/16" O.D.)                                                             |
|      | 70921467 | 1    | CAP, flare type, 1/4" tube (Tractor unit #14886 and up)                                   |



TRANSMISSION CASE AND COVERS

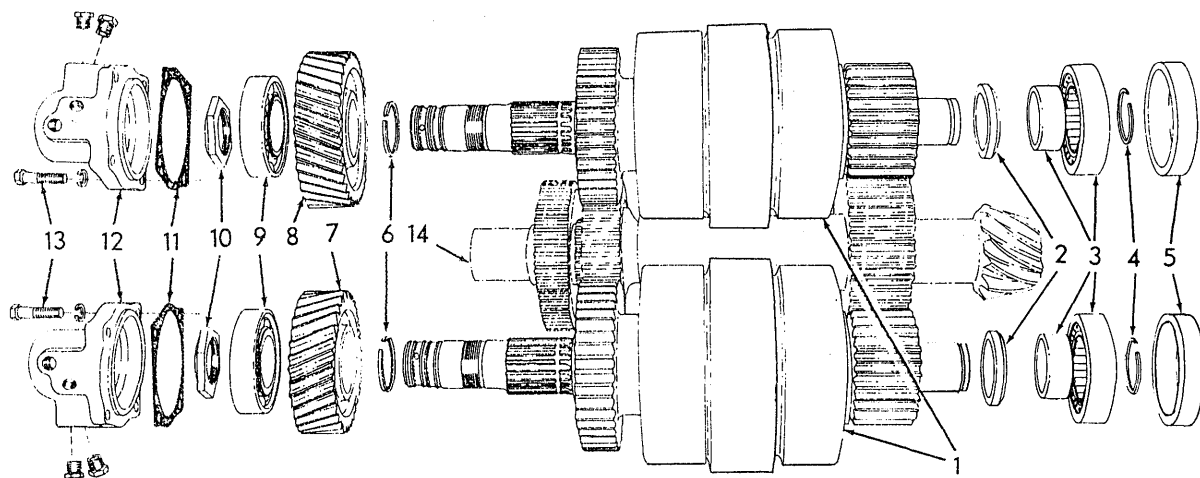
T-75803

# TRANSMISSION CASE AND COVERS

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                        |
|------|----------|------|------------------------------------------------------------------------------------|
| 1    | 70654068 | 1    | CASE, transmission (Tractors prior to unit #14395)                                 |
|      | 70696397 | 1    | CASE, transmission (Tractor unit #14395 and up)                                    |
|      | 70920525 | 1    | PLUG, pipe, hex-hd., 3/4"NPT (Not used when<br>PUSH-START PUMP is installed)       |
|      | 70919840 | 1    | PLUG, pipe, hex-hd., 1/4"NPT (Not used when GROUND<br>SPEED GOVERNOR is installed) |
| 2    | 70642788 | 1    | <input type="checkbox"/> GASKET, bottom cover                                      |
| 3    | 70642787 | 1    | COVER, bottom                                                                      |
| 4    | 70920583 | 14   | CAPSCREW, 1/2"NC x 1-1/2"                                                          |
|      | 70912441 | 14   | LOCKWASHER, 1/2"                                                                   |
| 5    | 70035250 | 1    | PLUG, drain                                                                        |
| 6    | 70667252 | 1    | <input type="checkbox"/> GASKET, drain plug                                        |
| 7    | 70632067 | 1    | SCREEN, oil                                                                        |
| 8    | 70928532 | 2    | CAPSCREW, drilled-hd., 3/8"NC x 3/4"                                               |
| 9    | 70023633 | 1    | WIRE, locking, 1/16" x 12"                                                         |
| 10   | 70653983 | 1    | COVER, front (Tractors prior to unit #14395)                                       |
|      | 70696412 | 1    | COVER, front (Tractor unit #14395 and up)                                          |
| 11   | 70920583 | 13   | CAPSCREW, 1/2"NC x 1-1/2"                                                          |
| 12   | 70920585 | 3    | CAPSCREW, 1/2"NC x 1-3/4"                                                          |
| 13   | 70921598 | 4    | CAPSCREW, 1/2"NC x 3"                                                              |
| 14   | 70925135 | 1    | CAPSCREW, 1/2"NC x 3-1/4"                                                          |
|      | 70912441 | 21   | LOCKWASHER, 1/2"                                                                   |
|      | 70928188 | 3    | WASHER, plain                                                                      |
| 15   | 70654798 | 1    | <input type="checkbox"/> GASKET, front cover                                       |
| 16   | 70624695 | 3    | PIN, dowel, front cover                                                            |
| 17   | 70623804 | 3    | RING, snap, dowel pin                                                              |
| 18   | 70658654 | 1    | FILLER, oil                                                                        |
| 19   | 70921565 | 4    | CAPSCREW, 3/8"NC x 1-1/2"                                                          |
|      | 70910287 | 4    | LOCKWASHER, 3/8"                                                                   |
| 20   | 70666907 | 1    | <input type="checkbox"/> GASKET, oil filler                                        |
| 21   | 74385253 | 1    | CLOSURE, oil filler                                                                |
| 22   | 70679375 | 1    | BREATHER ASSY. (Serviced only as a unit)                                           |
|      | 70919824 | 1    | ELBOW, street, reducing, 90°, 3/4"NPT to 1/2"NPT                                   |
| 23   | 70921216 | 1    | PLUG, closure (Includes O-RING)                                                    |
|      | 70921214 | 1    | O-RING, plug (1-3/8" O.D.)                                                         |
| 24   | 70631885 | 1    | COVER, small hole                                                                  |
| 25   | 70922763 | 2    | CAPSCREW, 3/8"NC x 1"                                                              |
|      | 70910287 | 2    | LOCKWASHER, 3/8"                                                                   |
| 26   | 70643810 | 1    | <input type="checkbox"/> GASKET, small hole cover                                  |
| 27   | 70630584 | 1    | COVER, governor mounting hole                                                      |
| 28   | 70921566 | 4    | CAPSCREW, 5/16"NC x 1"                                                             |
|      | 70910286 | 4    | LOCKWASHER, 5/16"                                                                  |
| 29   | 70624706 | 1    | <input type="checkbox"/> GASKET, governor mounting hole cover                      |
| 30   | 70643081 | 1    | COVER, large hole                                                                  |
| 31   | 70922763 | 6    | CAPSCREW, 3/8"NC x 1"                                                              |
|      | 70910287 | 6    | LOCKWASHER, 3/8"                                                                   |
| 32   | 70643080 | 1    | <input type="checkbox"/> GASKET, large hole cover                                  |

Not used on  
transmission  
equipped with  
GROUND  
SPEED  
GOVERNOR

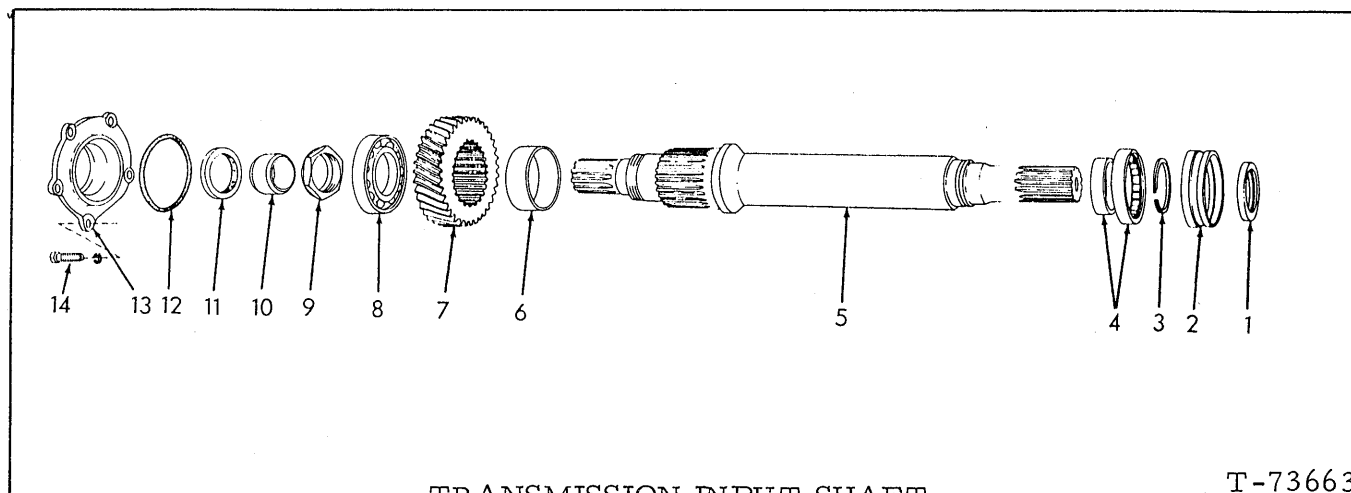
Tractors  
prior to  
unit  
#14395



T-73665

TRANSMISSION CLUTCH SHAFTS

| ITEM | PART NO. | QTY. | DESCRIPTION                                    |
|------|----------|------|------------------------------------------------|
| 1    | -----    | 2    | CLUTCH AND SHAFT ASSY. (See page 129)          |
| 2    | 70639508 | 2    | SPACER, rear bearing                           |
| 3    | 70623963 | 2    | BEARING, roller, rear                          |
| 4    | 70050292 | 2    | RING, snap, clutch bearings, rear              |
| 5    | 70632794 | 2    | PLUG, cup, rear bearing (4-3/4" diam.)         |
| 6    | 70623969 | 2    | RING, snap, clutch shaft                       |
| 7    | 70639505 | 1    | GEAR, driving, left clutch (33 teeth)          |
| 8    | 70639504 | 1    | GEAR, driving, right clutch (38 teeth)         |
| 9    | 70647972 | 2    | BEARING, ball, front end                       |
| 10   | 70639761 | 2    | NUT, clutch shaft                              |
| 11   | 70629223 | 2    | <input type="checkbox"/> GASKET, oil collector |
| 12   | 70639502 | 2    | COLLECTOR, oil                                 |
|      | 70920333 | 4    | PLUG, pipe, hex-hd., 3/8"NPT                   |
| 13   | 70920585 | 8    | CAPSCREW, 1/2"NC x 1-3/4"                      |
|      | 70912441 | 8    | LOCKWASHER, 1/2"                               |
| 14   | -----    | -    | See TRANSMISSION BEVEL PINION SHAFT            |

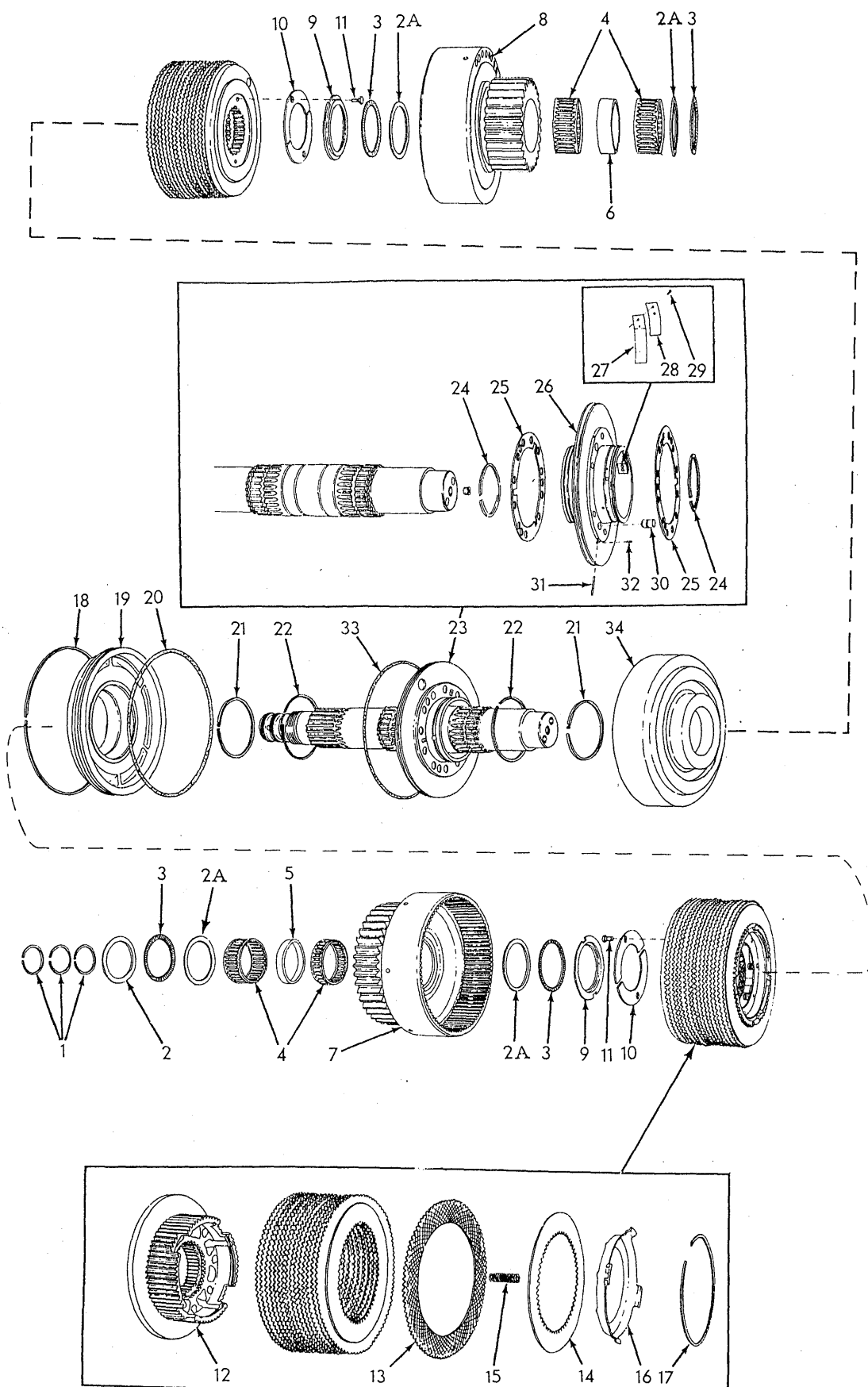


TRANSMISSION INPUT SHAFT

T-73663

| ITEM | PART NO. | QTY. | DESCRIPTION                                           |
|------|----------|------|-------------------------------------------------------|
| 1    | 70638336 | 1    | □SEAL, oil, rear end                                  |
| 2    | 70638334 | 1    | RETAINER, rear oil seal                               |
| 3    | 70624783 | 1    | RING, snap, shaft                                     |
| 4    | 70623974 | 1    | BEARING, roller                                       |
| 5    | 70676213 | 1    | SHAFT (Tractors prior to unit #12878)                 |
|      | 70685535 | 1    | SHAFT (Tractors unit #12878 and up)                   |
| 6    | 70624174 | 1    | SPACER, drive gear (Tractors prior to unit #12878)    |
|      | 70685772 | 1    | SPACER, drive gear (Tractors unit #12878 and up)      |
| 7    | 70623999 | 1    | GEAR, drive (36 teeth)(Tractors prior to unit #12878) |
|      | 70685771 | 1    | GEAR, drive (36 teeth)(Tractors unit #12878 and up)   |
| 8    | 70623966 | 1    | BEARING, ball                                         |
| 9    | 70639762 | 1    | NUT, bearing retaining (Elastic stop)                 |
| 10   | 70624139 | 1    | SLEEVE, wear, oil seal                                |
| 11   | 70628940 | 1    | □SEAL, oil, front end                                 |
| 12   | 70923594 | 1    | □O-RING, sealing, retainer                            |
| 13   | 70624177 | 1    | RETAINER, front oil seal                              |
| 14   | 70920585 | 5    | CAPSCREW, 1/2"NC x 1-3/4"                             |
|      | 70912441 | 5    | LOCKWASHER, 1/2"                                      |





CLUTCH AND SHAFT ASSEMBLY

T-73665

# CLUTCH AND SHAFT ASSEMBLY

USAGE: See page 126

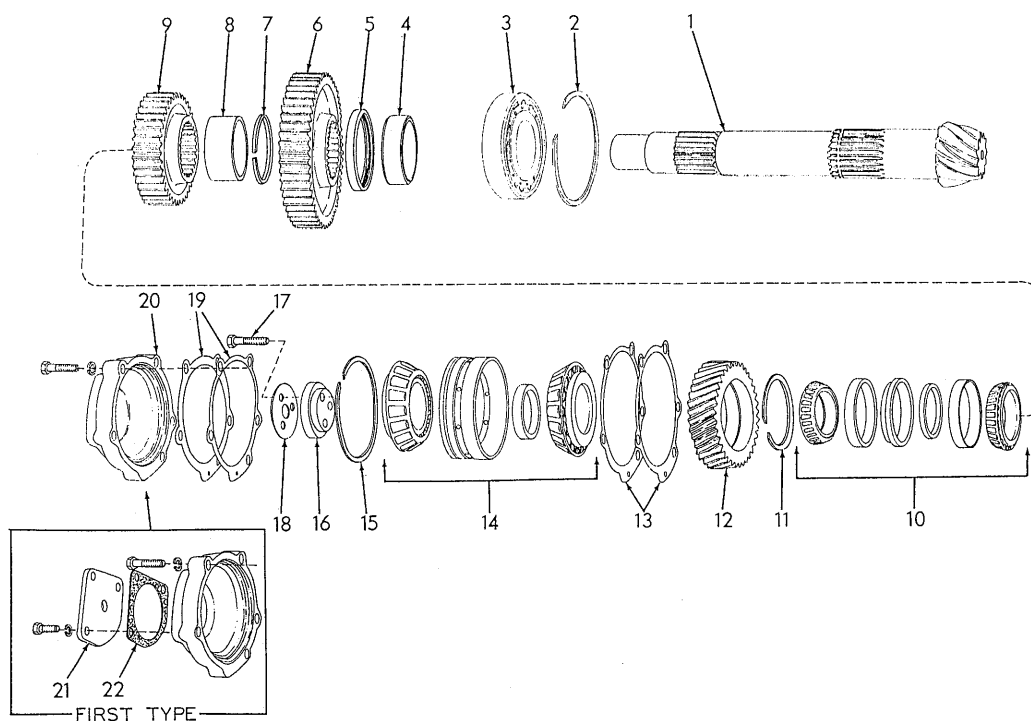
ITEM PART NO. QTY. DESCRIPTION

- 70643561 2 CLUTCH AND SHAFT ASSY. (Consists of items 1 thru 34)

NOTE: All quantities indicated are for one (1) assy. only

|      |          |    |                                                                                |
|------|----------|----|--------------------------------------------------------------------------------|
| 1    | 70692429 | 3  | RING, shaft sealing, end                                                       |
| 2    | 73037646 | 5  | WASHER (3-15/64" O.D.)(4 less used on second type GEAR AND DRUM items 7 and 8) |
| * 2A | 70688053 | 4  | WASHER (3-19/64" O.D.)(Effective with second type GEAR AND DRUM items 7 and 8) |
| 3    | 73037645 | 4  | BEARING, thrust                                                                |
| 4    | 73132220 | 4  | BEARING, roller, clutch gear                                                   |
| 5    | 70639591 | 1  | SPACER, bearing, high speed gear (7/16" wide)                                  |
| 6    | 70639594 | 1  | SPACER, bearing, low speed gear (13/16" wide)                                  |
| 7    | 70639622 | 1  | GEAR AND DRUM, high speed (41 teeth)(First type)                               |
|      | 73108960 | 1  | GEAR AND DRUM, high speed (41 teeth)(Second type)                              |
| 8    | 70639617 | 1  | GEAR AND DRUM, low speed (26 teeth)(First type)                                |
|      | 73108959 | 1  | GEAR AND DRUM, low speed (26 teeth)(Second type)                               |
| 9    | 73037638 | 2  | SPACER, clutch hub                                                             |
| 10   | 70639596 | 4  | RETAINER, clutch hub (half only)                                               |
| 11   | 73037641 | 4  | CAPSCREW, thin-hd., 5/16" NF x 1/2"                                            |
| 12   | 70643571 | 2  | HUB, clutch                                                                    |
| 13   | 70642113 | 16 | PLATE, friction, outer                                                         |
| 14   | 70642146 | 8  | PLATE, friction, inner (8 additional used on early units)                      |
|      | 70657968 | 8  | PLATE, friction, inner (Flat)(Late units)                                      |
| 15   | 70189267 | 16 | SPRING, clutch hub                                                             |
| 16   | 70643572 | 2  | RETAINER, clutch hub spring                                                    |
| 17   | 70639572 | 2  | RING, snap, spring retainer                                                    |
| 18   | 70639584 | 1  | RING, snap, actuating piston housing                                           |
| 19   | 70639597 | 1  | PISTON, clutch actuating                                                       |
| 20   | 70639567 | 1  | <input type="checkbox"/> SEAL, actuating piston                                |
| 21   | 73037631 | 2  | RING, shaft sealing, center                                                    |
| 22   | 70639585 | 2  | RING, carrier sealing                                                          |
| 23   | 70642968 | 1  | SHAFT ASSY. (Includes items 24 thru 32)                                        |
|      | 70907859 | 1  | PLUG, pipe, hex-socket, 1/4" NPT                                               |
| 24   | 70052175 | 2  | RING, snap, carrier retaining                                                  |
| 25   | 70639609 | 2  | PLATE, valve                                                                   |
| 26   | 70642148 | 1  | CARRIER ASSY. (Includes items 27 thru 29)                                      |
| 27   | 70642329 | 2  | GUARD, flapper valve                                                           |
| 28   | 70639579 | 2  | VALVE, flapper                                                                 |
| 29   | 70639578 | 6  | RIVET, flapper valve guard                                                     |
| * 30 | 70639598 | 6  | PISTON, valve actuating                                                        |
| 31   | 73037768 | 6  | PIN, piston stop                                                               |
| 32   | 70922745 | 6  | PIN, retaining, piston stop pin                                                |
| 33   | 70639576 | 1  | <input type="checkbox"/> O-RING, carrier                                       |
| 34   | 70639630 | 1  | HOUSING, piston                                                                |

(Revised March 1982)



T-73666

# TRANSMISSION BEVEL PINION SHAFT

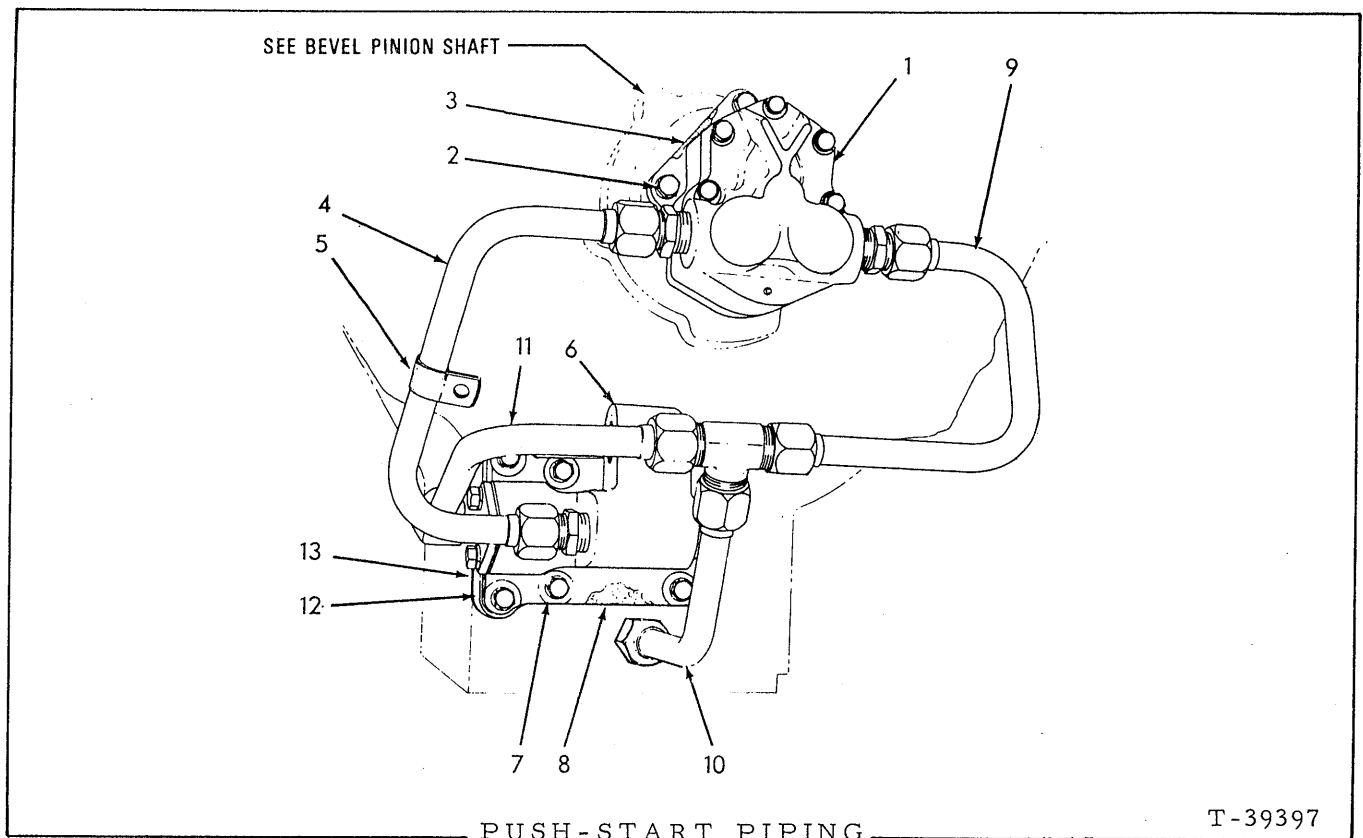
| ITEM            | PART NO. | QTY. | DESCRIPTION                                                                                      |
|-----------------|----------|------|--------------------------------------------------------------------------------------------------|
| 1               | 70653813 | 1    | PINION, bevel (12 teeth)                                                                         |
| 2               | 70638335 | 1    | RING, snap, bearing retaining                                                                    |
| 3               | 70639655 | 1    | BEARING, roller, rear end                                                                        |
| 4               | 70624137 | 1    | SPACER, low speed gear                                                                           |
| 5               | 70623971 | 1    | SEAL, oil                                                                                        |
| 6               | 70624128 | 1    | GEAR, low speed (54 teeth)                                                                       |
| 7               | 70623973 | 1    | RING, snap, gear retaining                                                                       |
| 8               | 70624130 | 1    | SPACER, high speed gear                                                                          |
| 9               | 70624142 | 1    | GEAR, high speed (39 teeth)                                                                      |
| 10              | 70650724 | 1    | BEARING, roller (Consists of 2 roller assemblies, 2 cups and 2 spacers. Serviced only as a unit) |
| 11              | 70634670 | 1    | RING, snap, idling gear                                                                          |
| 12              | 70623968 | 1    | GEAR, idling (36 teeth)                                                                          |
| 13              | 70623953 | 3    | SHIM, pinion adjustment (.005" thick)                                                            |
|                 | 70623954 | 7    | SHIM, pinion adjustment (.007" thick)                                                            |
|                 | 70623955 | 10   | SHIM, pinion adjustment (.010" thick)                                                            |
| Use as required |          |      |                                                                                                  |

(Continued)

TRANSMISSION BEVEL PINION SHAFT (Continued)

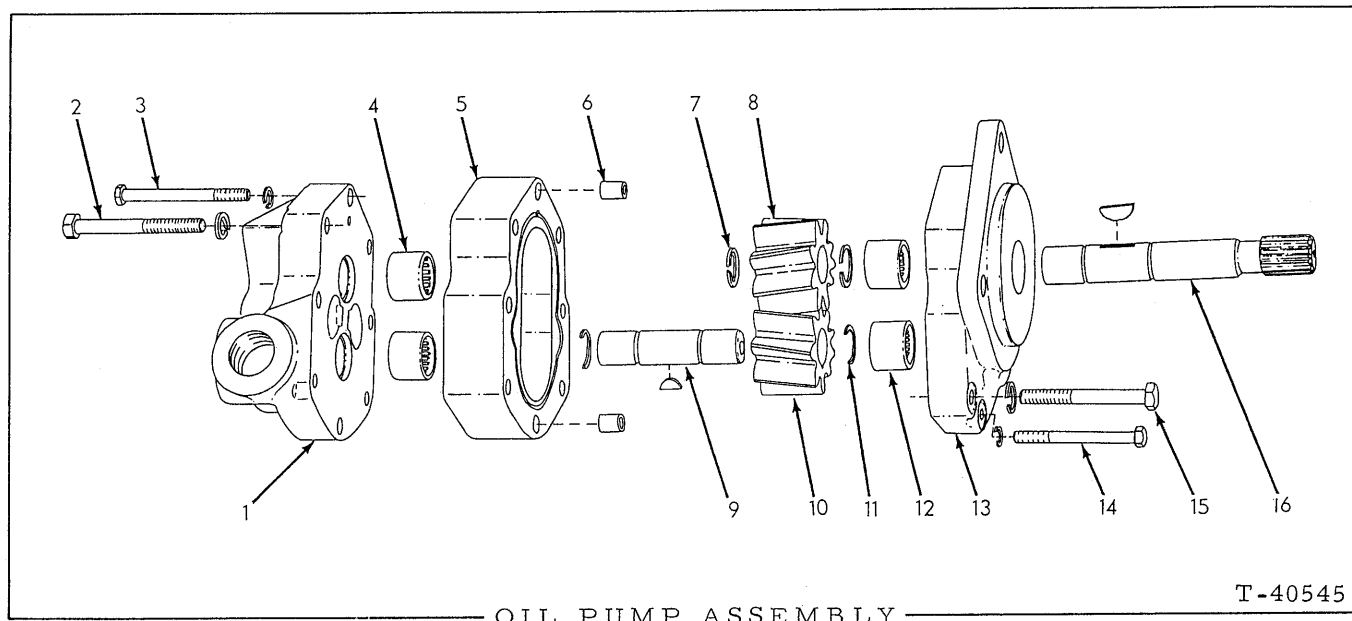
| ITEM | PART NO. | QTY. | DESCRIPTION                                                                                                               |                                                                                                             |
|------|----------|------|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| 14   | 70082343 | 1    | BEARING, roller, front end (Consists of 2 roller assemblies, 1 cup and 1 spacer. Serviced only as a unit)                 |                                                                                                             |
| 15   | 70048705 | 1    | RING, snap, front bearing                                                                                                 |                                                                                                             |
| 16   | 70632066 | 1    | WASHER, end (For units with PUSH-START PUMP)                                                                              |                                                                                                             |
|      | 70643028 | 1    | WASHER, end (For units without PUSH-START PUMP)                                                                           |                                                                                                             |
| 17   | 70927522 | 3    | CAPSCREW, 1/2"NF x 1-3/4"                                                                                                 |                                                                                                             |
| 18   | 70632166 | 1    | PLATE, capscREW locking                                                                                                   |                                                                                                             |
| 19   | 70623956 | 4    | SHIM, bearing retainer (.005" thick)                                                                                      | Use as required                                                                                             |
|      | 70623957 | 3    | SHIM, bearing retainer (.007" thick)                                                                                      |                                                                                                             |
| 20   | 70667400 | 1    | RETAINER, front bearing (Standard)                                                                                        |                                                                                                             |
|      | 70623959 | 1    | RETAINER, front bearing (For service transmission assembly; also for units with PUSH-START PUMP or GROUND SPEED GOVERNOR) |                                                                                                             |
|      | 70924864 | 5    | CAPSCREW, 1/2"NC x 2-1/4"                                                                                                 |                                                                                                             |
|      | 70912441 | 5    | LOCKWASHER, 1/2 "                                                                                                         |                                                                                                             |
| 21   | 70643027 | 1    | COVER, front bearing retainer                                                                                             | For service transmission ass'y and units with GROUND SPEED GOVERNOR; not used on units with PUSH-START PUMP |
|      | 70922763 | 3    | CAPSCREW, 3/8"NC x 1"                                                                                                     |                                                                                                             |
|      | 70910287 | 3    | LOCKWASHER, 3/8"                                                                                                          |                                                                                                             |
| 22   | 70632065 | 1    | GASKET, cover                                                                                                             |                                                                                                             |





USAGE: Special Equipment on tractors prior to serial No. 19S12837

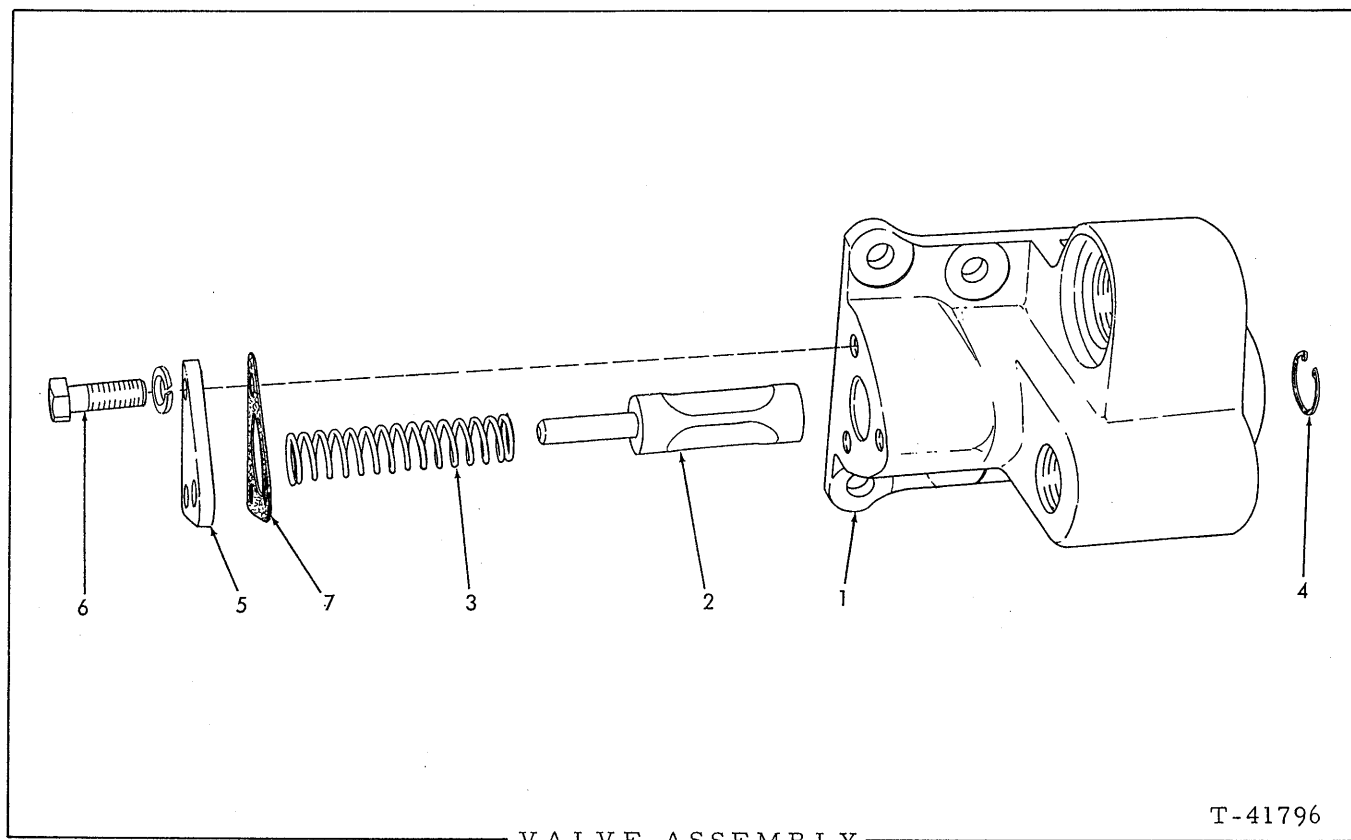
| ITEM | PART NO. | QTY. | DESCRIPTION                                                                                             |
|------|----------|------|---------------------------------------------------------------------------------------------------------|
| 1    | -----    | 1    | PUMP ASSY., oil (See page 134)                                                                          |
| 2    | 70044249 | 3    | CAPSCREW, 3/8"NC x 1-1/8"                                                                               |
|      | 70904206 | 3    | LOCKWASHER, 3/8"                                                                                        |
| 3    | 70632065 | 1    | GASKET, pump mounting                                                                                   |
| 4    | 70642889 | 1    | TUBE ASSY., discharge (Includes nuts)                                                                   |
|      | 70919342 | 2    | CONNECTOR, flare type, 3/4" tube, 3/4"NPT male                                                          |
| 5    | 70094467 | 1    | CLIP, discharge tube                                                                                    |
| 6    | -----    | 1    | VALVE ASSY., diverting (See page 135)                                                                   |
|      | 70920525 | 1    | PLUG, pipe, hex-hd., 3/4"NPT                                                                            |
| 7    | 70912069 | 6    | CAPSCREW, 3/8"NC x 2-1/2"                                                                               |
|      | 70904206 | 6    | LOCKWASHER, 3/8"                                                                                        |
| 8    | 70627347 | 1    | GASKET, diverting valve                                                                                 |
| 9    | 70642887 | 1    | TUBE ASSY., suction, pump to tee (Includes nuts)                                                        |
|      | 70919342 | 1    | CONNECTOR, flare type, 3/4" tube, 3/4"NPT male                                                          |
| 10   | 70642886 | 1    | TUBE ASSY., suction, tee to sump (Includes nuts)                                                        |
|      | 70919342 | 1    | CONNECTOR, flare type, 3/4" tube, 3/4"NPT male                                                          |
|      | 70919520 | 1    | TEE, union, flare type, 3/4" tube                                                                       |
| 11   | 70642888 | 1    | TUBE ASSY., suction, tee to spacing plate (Includes nuts)                                               |
|      | 70921203 | 1    | ELBOW, adjustable, 90°, flare type, 3/4" tube, 1-1/16"NPT<br>(Includes washer, nut and O-RING 70921206) |
| 12   | 70642891 | 1    | PLATE, valve spacing                                                                                    |
| 13   | 70627347 | 1    | GASKET, valve spacing plate (Used prior to tractor #6151)                                               |



OIL PUMP ASSEMBLY

USAGE: See pages 132 and 133

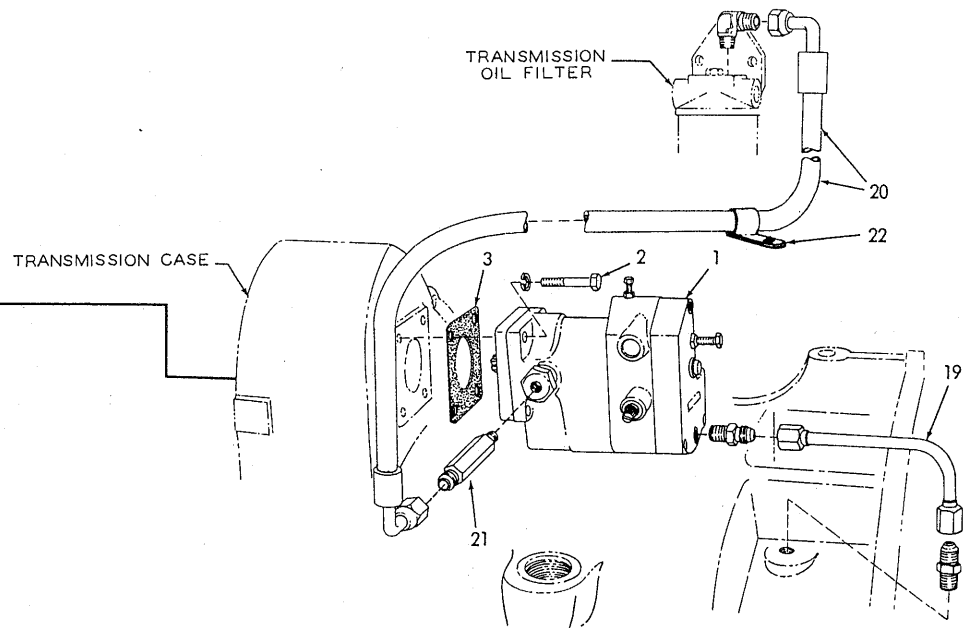
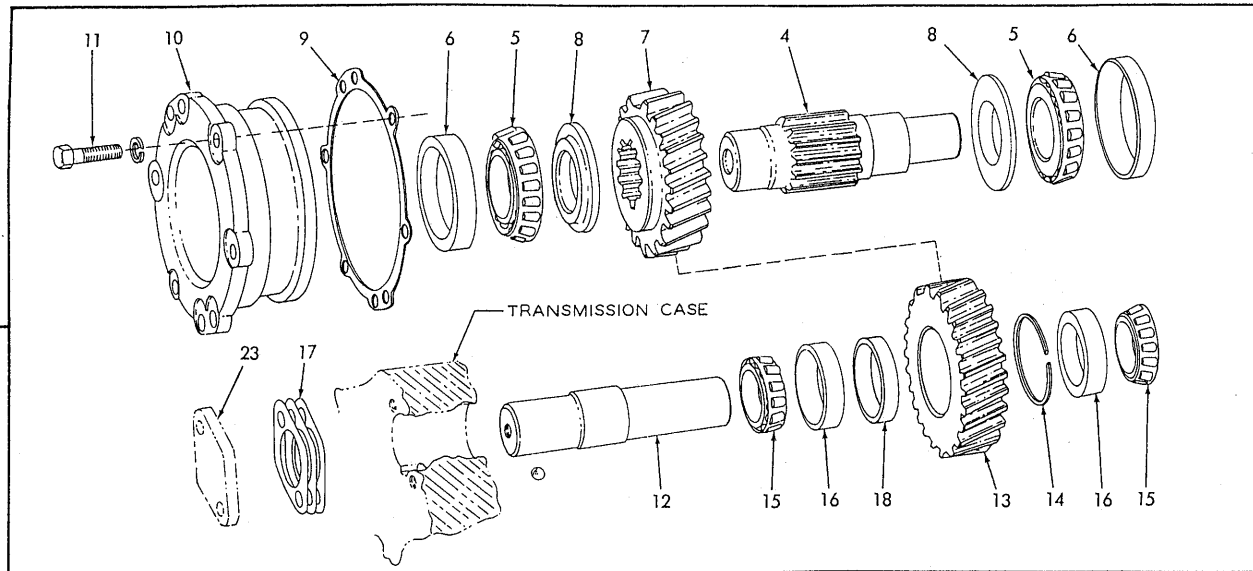
| ITEM | PART NO. | QTY. | DESCRIPTION                                   |
|------|----------|------|-----------------------------------------------|
| -    | 70630295 | 1    | PUMP ASSY., oil (Consists of items 1 thru 16) |
| 1    | 70641854 | 1    | COVER ASSY. (Includes item 4)                 |
| 2    | 70086546 | 4    | CAPSCREW, 5/16"NC x 2-3/4"                    |
|      | 70904205 | 4    | LOCKWASHER, 5/16"                             |
| 3    | 70641564 | 1    | CAPSCREW, 1/4"NC x 2-3/4"                     |
|      | 70904204 | 1    | LOCKWASHER, 1/4"                              |
| 4    | 70208253 | 2    | BEARING, needle, rear end                     |
| 5    | 73038935 | 1    | PLATE, gear                                   |
| 6    | 73038937 | 2    | PIN, dowel (hollow)                           |
| 7    | 73038933 | 2    | RING, snap, drive shaft                       |
| 8    | 73038938 | 1    | GEAR, drive shaft                             |
| 9    | 70641839 | 1    | SHAFT, idler gear                             |
|      | 70921396 | 1    | KEY, woodruff, 1/8" x 3/8"                    |
| 10   | 70641841 | 1    | GEAR, idler                                   |
| 11   | 73039013 | 2    | RING, snap, idler shaft                       |
| 12   | 208253   | 2    | BEARING, needle, drive end                    |
| 13   | 70641855 | 1    | BODY ASSY. (Includes item 12)                 |
| 14   | 70611975 | 1    | CAPSCREW, 1/4"NC x 2-1/2"                     |
|      | 70904204 | 1    | LOCKWASHER, 1/4"                              |
| 15   | 70033751 | 2    | CAPSCREW, 5/16"NC x 2-1/2"                    |
|      | 70904205 | 2    | LOCKWASHER, 5/16"                             |
| 16   | 70641840 | 1    | SHAFT, drive                                  |
|      | 70905122 | 1    | KEY, woodruff, 1/8" x 3/4"                    |



USAGE: See pages 132 and 133

| ITEM | PART NO. | QTY. | DESCRIPTION                                        |
|------|----------|------|----------------------------------------------------|
| -    | 70628521 | 1    | VALVE ASSY., diverter (Consists of items 1 thru 7) |
| 1    | 70628065 | 1    | HOUSING                                            |
| 2    | 70629391 | 1    | SPOOL                                              |
| 3    | 70035337 | 1    | SPRING                                             |
| 4    | 70075354 | 1    | RING, snap                                         |
| 5    | 70629393 | 1    | PLATE, cover                                       |
| 6    | 70035439 | 3    | CAPSCREW, 3/8"NC x 1"                              |
|      | 70904206 | 3    | LOCKWASHER, 3/8"                                   |
| 7    | 70629392 | 1    | GASKET, cover plate                                |





T-73667

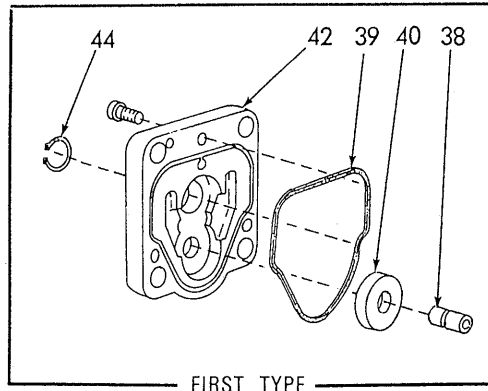
GROUND SPEED GOVERNOR

USAGE: Special equipment

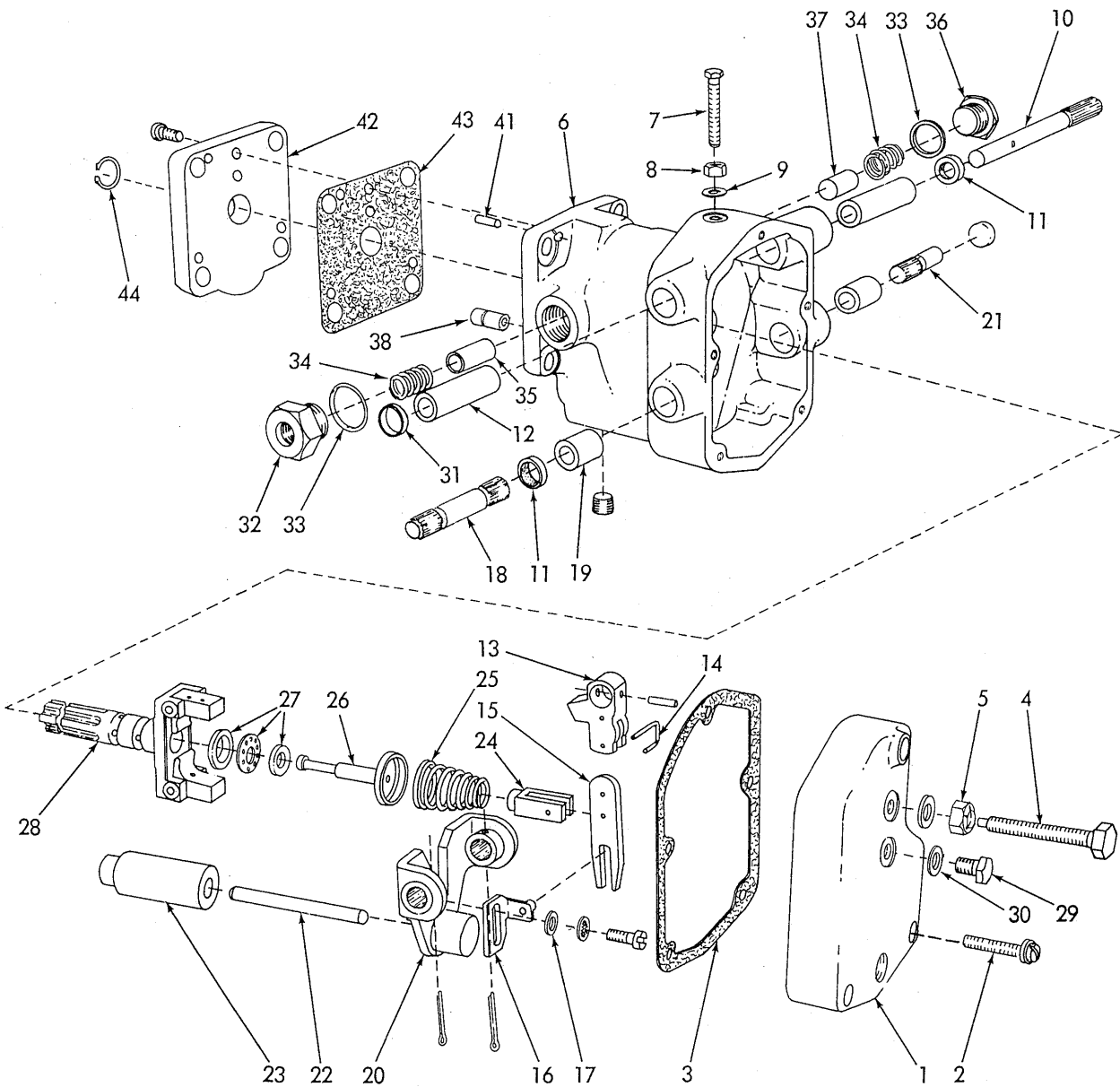
| ITEM | PART NO. | QTY. | DESCRIPTION                                                     |
|------|----------|------|-----------------------------------------------------------------|
| 1    | -----    | 1    | GOVERNOR ASSY. (See page 139)                                   |
| 2    | 70046321 | 4    | CAPSCREW, 5/16"NC x 1-1/2"                                      |
|      | 70904205 | 4    | LOCKWASHER, 5/16"                                               |
| 3    | 70624706 | 1    | GASKET, governor mounting                                       |
| 4    | 70628440 | 1    | SHAFT, governor drive                                           |
| 5    | 70628442 | 2    | CONE ASSY., drive shaft bearing                                 |
| 6    | 70209942 | 2    | CUP, drive shaft bearing                                        |
| 7    | 70628039 | 1    | GEAR, drive (20 teeth)                                          |
| 8    | 70628443 | 2    | SPACER, drive shaft bearing                                     |
| 9    | 70623989 | 5    | SHIM, adjustment, drive shaft bearing (.005" thick)             |
|      | 70623997 | 5    | SHIM, adjustment, drive shaft bearing (.007" thick)             |
|      | 70623995 | 5    | SHIM, adjustment, drive shaft bearing (.010" thick)             |
| 10   | 70628441 | 1    | RETAINER, drive shaft bearing                                   |
| 11   | 70044249 | 6    | CAPSCREW, 3/8"NC x 1-1/8"                                       |
|      | 70904206 | 6    | LOCKWASHER, 3/8"                                                |
| 12   | 70628768 | 1    | SHAFT, idler gear                                               |
|      | 70905359 | 1    | BALL, steel, 5/16" diam.                                        |
| 13   | 70628038 | 1    | GEAR, idler (21 teeth)                                          |
| 14   | 70068173 | 1    | RING, snap, idler gear                                          |
| 15   | 70336917 | 2    | CONE ASSY., idler gear shaft bearing                            |
| 16   | 70336916 | 2    | CUP, idler gear shaft bearing                                   |
| 17   | 70631888 | 2    | SHIM, adjustment, idler gear shaft bearing (.005" thick)        |
|      | 70631887 | 2    | SHIM, adjustment, idler gear shaft bearing (.007" thick)        |
|      | 70631886 | 2    | SHIM, adjustment, idler gear shaft bearing (.010" thick)        |
| 18   | 70628799 | 1    | SPACER, bearing                                                 |
| 19   | 70629312 | 1    | TUBE ASSY., governor to transmission case (Includes nuts)       |
|      | 70919062 | 2    | CONNECTOR, flare type, 3/8" tube, 1/4"NPT male                  |
| 20   | 70665931 | 1    | HOSE, oil supply (See HOSE PARTS)                               |
| 21   | 70641314 | 1    | CONNECTOR, flare type, 3/8" tube, 1/8"NPT male                  |
|      | 70919135 | 1    | ELBOW, flare type, 90°, 3/8" tube, 1/4"NPT male                 |
| 22   | 70621304 | 1    | CLIP, hose supporting                                           |
| 23   | -----    | -    | COVER, idler gear shaft hole (See TRANSMISSION CASE AND COVERS) |

Use as  
Required

Use  
as  
req'd



FIRST TYPE



GOVERNOR ASSEMBLY

T-33411

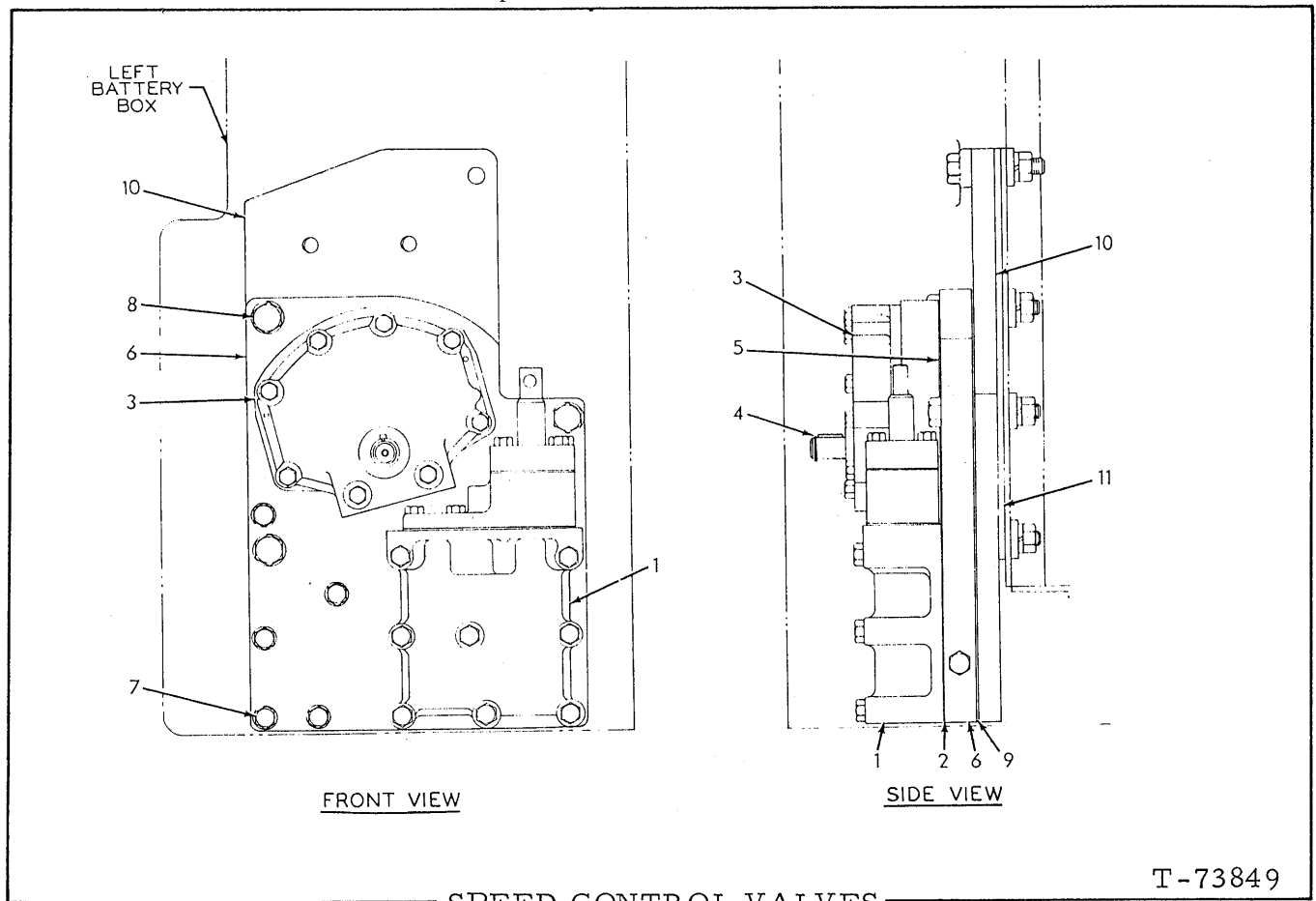
USAGE: See page 137

\* First type  
\*\* Second type

| ITEM | PART NO. | QTY. |    | DESCRIPTION                                             |
|------|----------|------|----|---------------------------------------------------------|
|      |          | *    | ** |                                                         |
| -    | 70638088 | 1    | 1  | GOVERNOR ASSY. (Consists of items 1 thru 43)            |
| 1    | 70628401 | 1    | -  | COVER                                                   |
|      | 70684701 | -    | 1  | COVER                                                   |
| 2    | 70638236 | 3    | 3  | SCREW ASSEMBLY (Includes lockwasher)                    |
| 3    | 70628399 | 1    | 1  | GASKET, cover to case                                   |
| 4    | 70629890 | 1    | 1  | SCREW, low speed adjustment                             |
| 5    | 70628378 | 1    | -  | NUT, wing, 1/4"NF                                       |
|      | 70684699 | -    | 1  | NUT, 1/4"NF                                             |
|      | 70628402 | -    | 1  | WASHER, plain                                           |
| 6    | 70629909 | 1    | 1  | CASE ASSEMBLY (Includes items 12, 19 and 38)            |
|      | 70910231 | 1    | 1  | PLUG, pipe, hex-socket, 1/8"NPT                         |
| 7    | 70628382 | 1    | -  | CAPSCREW, high speed adjustment                         |
|      | 74052052 | -    | 1  | CAPSCREW, high speed adjustment                         |
| 8    | 70628381 | 1    | 1  | NUT, hex, #10-32NF                                      |
| 9    | 70631106 | 1    | 1  | WASHER, high speed adjustment capscrow                  |
| 10   | 70629887 | 1    | 1  | SHAFT, speed control                                    |
| 11   | 70629898 | 2    | 2  | SEAL, oil                                               |
| 12   | 70629900 | 2    | 2  | BEARING, plain, speed control shaft                     |
| 13   | 70629881 | 1    | 1  | LEVER, speed control                                    |
|      | 70919180 | 1    | 1  | PIN, spring, 1/8" x 5/8"                                |
| 14   | 70629879 | 1    | 1  | PIN, speed control lever                                |
| 15   | 70629882 | 1    | 1  | LEVER, floating                                         |
| 16   | 70629895 | 1    | 1  | BRACKET ASSEMBLY, speed droop adjustment (Includes pin) |
|      | 70901781 | 1    | -  | SCREW, machine, fil-hd., #10-32NF x 1/2"                |
|      | 70904371 | -    | 1  | SCREW, machine, fil-hd., #10-32NF x 3/8"                |
|      | 74050778 | -    | 1  | LOCKWASHER, int-tooth, #10                              |
|      | 70909055 | 1    | -  | LOCKWASHER, int-tooth, #10                              |
| 17   | 70629901 | 1    | 1  | WASHER, plain                                           |
| 18   | 70629886 | 1    | 1  | SHAFT, terminal                                         |
| 19   | 70629899 | 2    | 2  | BEARING, plain, terminal shaft                          |
| 20   | 70629894 | 1    | 1  | LEVER, terminal shaft                                   |
|      | 70900801 | 2    | 2  | PIN, cotter, 3/32" x 3/4"                               |
| 21   | 70629885 | 1    | 1  | SHAFT, stub, terminal shaft lever                       |
| 22   | 70629907 | 1    | 1  | PIN, power piston                                       |

(Continued)

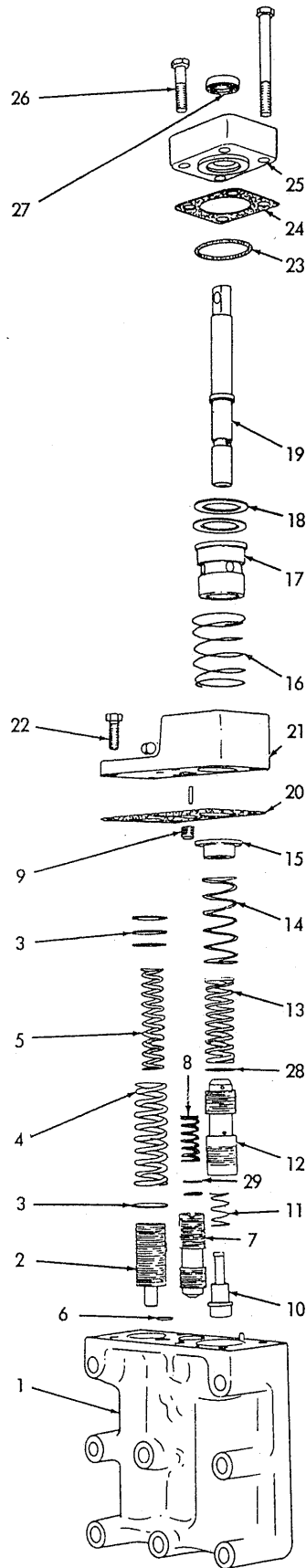
| ITEM | PART NO. | QTY.<br>* ** |   | DESCRIPTION                                                            |
|------|----------|--------------|---|------------------------------------------------------------------------|
| 23   | 70629884 | 1            | 1 | PISTON, power                                                          |
| 24   | 70629897 | 1            | 1 | FORK, ballhead spring                                                  |
| 25   | 70638232 | 1            | 1 | SPRING, ballhead                                                       |
| 26   | 70629888 | 1            | 1 | PLUNGER, ballhead                                                      |
| 27   | 70628384 | 1            | 1 | BEARING, thrust, ballhead plunger                                      |
| 28   | 70634427 | 1            | 1 | BALLHEAD ASSEMBLY (Includes weights. Serviced only as a balanced unit) |
| 29   | 70628403 | 1            | 1 | CAPSCREW, vent                                                         |
| 30   | 70628402 | 1            | 1 | WASHER, vent capscREW                                                  |
| 31   | 70629908 | 2            | 2 | PLUG, cup governor case                                                |
| 32   | 70629892 | 1            | 1 | PLUG, oil inlet                                                        |
| 33   | 70629902 | 2            | 2 | WASHER, oil inlet plug                                                 |
| 34   | 70629904 | 2            | - | SPRING, oil inlet sleeve                                               |
| 35   | 70629891 | 1            | - | SLEEVE, oil inlet                                                      |
| 36   | 70629893 | 1            | 1 | PLUG, governor case                                                    |
| 37   | 70629889 | 1            | - | PLUG, oil passage                                                      |
| 38   | -----    | 1            | 1 | STUD, locating, base spacer (Not serviced)                             |
| 39   | 70628392 | 1            | - | RING, sealing, governor base                                           |
| 40   | 70628391 | 1            | - | SPACER, governor base                                                  |
| 41   | 70629906 | 2            | - | PIN, dowel (Standard size)                                             |
|      | 70684702 | -            | 2 | PIN, dowel (Standard size)                                             |
|      | 70630578 | 2            | 2 | PIN, dowel (Oversize)                                                  |
| 42   | -----    | 1            | - | BASE (Order 1-BASE 70684700, 2-PIN 70684702 and 1-GASKET 70684703)     |
|      | 70684700 | -            | 1 | BASE                                                                   |
|      | 70901223 | 3            | 3 | SCREW, machine, fil-hd., #12-24NC x 1/2"                               |
| 43   | 70684703 | -            | 1 | GASKET                                                                 |
| 44   | 70628389 | 1            | 1 | RING, snap, ballhead                                                   |



SPEED CONTROL VALVES

T-73849

| ITEM | PART NO. | QTY. | DESCRIPTION                                                  |
|------|----------|------|--------------------------------------------------------------|
| 1    | -----    | 1    | VALVE ASSY., clutch modulating (See page 143)                |
|      | 70922849 | 8    | CAPSCREW, 3/8"NC x 4"                                        |
|      | 70911115 | 8    | WASHER, plain, SAE std., 3/8"                                |
| 2    | 70639903 | 1    | GASKET, modulating valve                                     |
| 3    | -----    | 1    | VALVE ASSY., speed control (See page 144)                    |
|      | 70905123 | 1    | KEY, #9 woodruff, 3/16" x 3/4"                               |
|      | 70923941 | 8    | CAPSCREW, 5/16"NC x 4"                                       |
| 4    | 70639946 | 1    | RING, snap, speed control valve                              |
| 5    | 70639882 | 1    | GASKET, speed control valve                                  |
| 6    | 70639642 | 1    | PLATE, manifold (Tractors prior to unit #14052)              |
|      | 70696985 | 1    | PLATE, manifold (Tractor unit #14052 and up)                 |
|      | 70651036 | 1    | PLUG, pipe, hex-hd., 1/4"NPT (Tractors prior to unit #14052) |
|      | 70901652 | 1    | PLUG, pipe, 1/4"NPT (Tractor unit #14052 and up)             |
| 7    | 70922287 | 5    | CAPSCREW, 3/8"NC x 1-3/4"                                    |
|      | 70911115 | 5    | WASHER, plain, SAE std., 3/8"                                |
| 8    | 70921598 | 3    | CAPSCREW, 1/2"NC x 3"                                        |
|      | 70677008 | 3    | WASHER, plain                                                |
|      | 70912441 | 3    | LOCKWASHER, 1/2"                                             |
|      | 70911028 | 3    | NUT, 1/2"NC                                                  |
| 9    | 70639950 | 1    | GASKET, manifold plate                                       |
| 10   | 70639641 | 1    | PLATE, mounting, manifold                                    |
|      | 70912267 | 1    | SCREW, hex-socket-hd., 3/8"NC x 1"                           |
| 11   | 70662928 | 1    | PLATE, spacing (Tractors prior to unit #13648)               |
|      | 70677008 | 4    | WASHER, spacing (Tractor unit #13648 and up)                 |



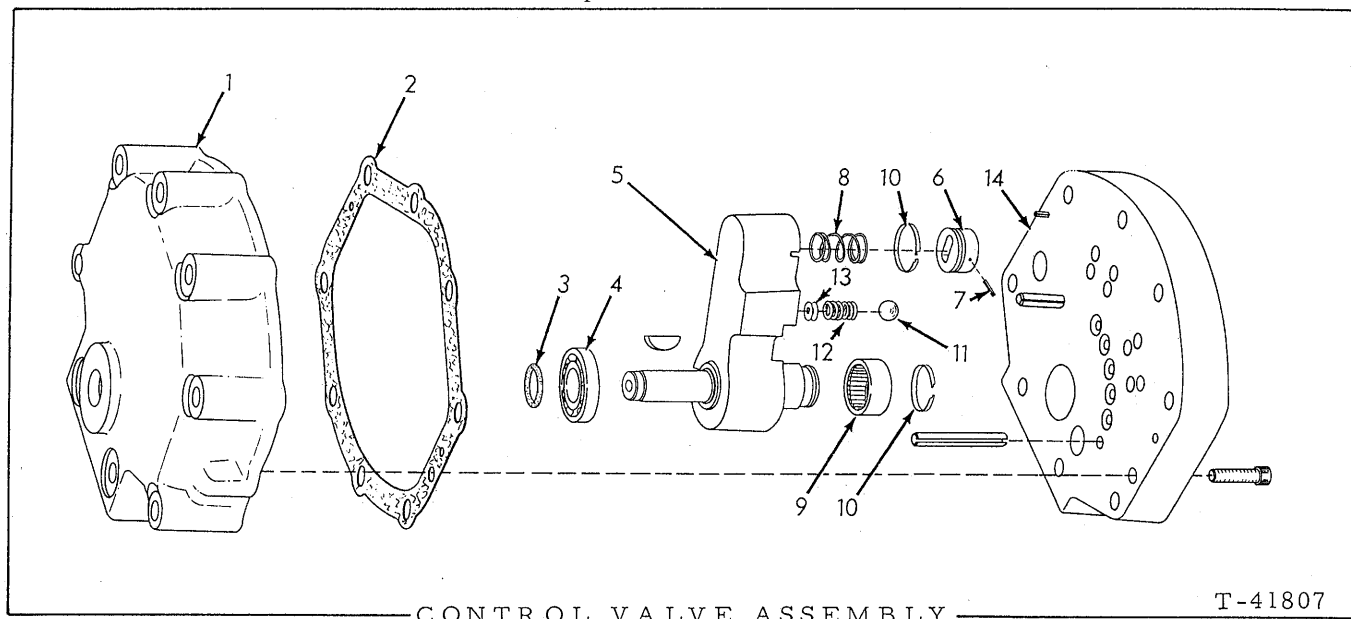
MODULATING VALVE ASSEMBLY

T-41806

USAGE: See page 141

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                             |
|------|----------|------|-----------------------------------------------------------------------------------------|
| -    | 70639614 | 1    | VALVE ASSY. (Tractors prior to unit #14052)                                             |
| -    | 70696986 | 1    | VALVE ASSY. (Tractor unit # 14052)                                                      |
| 1    | 70639970 | 1    | BODY                                                                                    |
| 2    | 70639920 | 1    | VALVE, pressure relief (Tractors prior to unit #14052)                                  |
|      | 70676091 | 1    | VALVE, pressure relief (Tractor unit #14052 and up)                                     |
| 3    | 73037730 | 3    | SHIM, transmission clutch relief valve (1 additional used prior to tractor unit #14052) |
| 4    | 70639947 | 1    | SPRING, transmission clutch relief valve (outer)                                        |
| 5    | 70639948 | 1    | SPRING, transmission clutch relief valve (inner)                                        |
| 6    | 70639939 | 1    | FILTER, oil                                                                             |
| 7    | 70639933 | 1    | PISTON, flow sensing                                                                    |
| 8    | 70639949 | 1    | SPRING, flow sensing piston                                                             |
| 9    | 70655636 | 1    | PLUG, orifice                                                                           |
| 10   | 70640121 | 1    | PISTON, engine clutch regulating valve                                                  |
| 11   | 70639969 | 1    | SPRING, regulating valve piston                                                         |
| 12   | 70639749 | 1    | VALVE, pressure regulating, engine clutch                                               |
| 13   | 70644268 | 1    | SPRING, engine clutch regulating valve                                                  |
| 14   | 70640205 | 1    | SPRING, operating plunger piston                                                        |
| 15   | 70639921 | 1    | PISTON, operating plunger                                                               |
| 16   | 70640206 | 1    | SPRING, variable stop sleeve                                                            |
| 17   | 70639929 | 1    | SLEEVE, variable stop                                                                   |
| 18   | 70639937 | 2    | SHIM, variable stop sleeve (Use as required)                                            |
| 19   | 70639763 | 1    | PLUNGER, operating                                                                      |
| 20   | 70639638 | 1    | GASKET, lower cover                                                                     |
| 21   | 70639907 | 1    | COVER, lower                                                                            |
|      | 70910231 | 1    | PLUG, pipe, 1/8"NPT                                                                     |
|      | 70918547 | 2    | PIN, spring, 1/8" x 1/2"                                                                |
| 22   | 70927373 | 3    | CAPSCREW, 5/16"NC x 7/8"                                                                |
| 23   | 70186266 | 1    | O-RING, upper cover                                                                     |
| 24   | 70639924 | 1    | GASKET, upper cover                                                                     |
| 25   | 70639639 | 1    | COVER, upper                                                                            |
|      | 70931192 | 3    | CAPSCREW, 5/16"NC x 3"                                                                  |
| 26   | 70920660 | 1    | CAPSCREW, 5/16"NC x 1-1/2"                                                              |
| 27   | 70640146 | 1    | SEAL, oil, upper cover                                                                  |
| 28   | 70644265 | -    | SHIM, regulating valve spring (Use as required)                                         |
| 29   | 70644266 | -    | WASHER, flow sensing piston spring (Use as required)                                    |





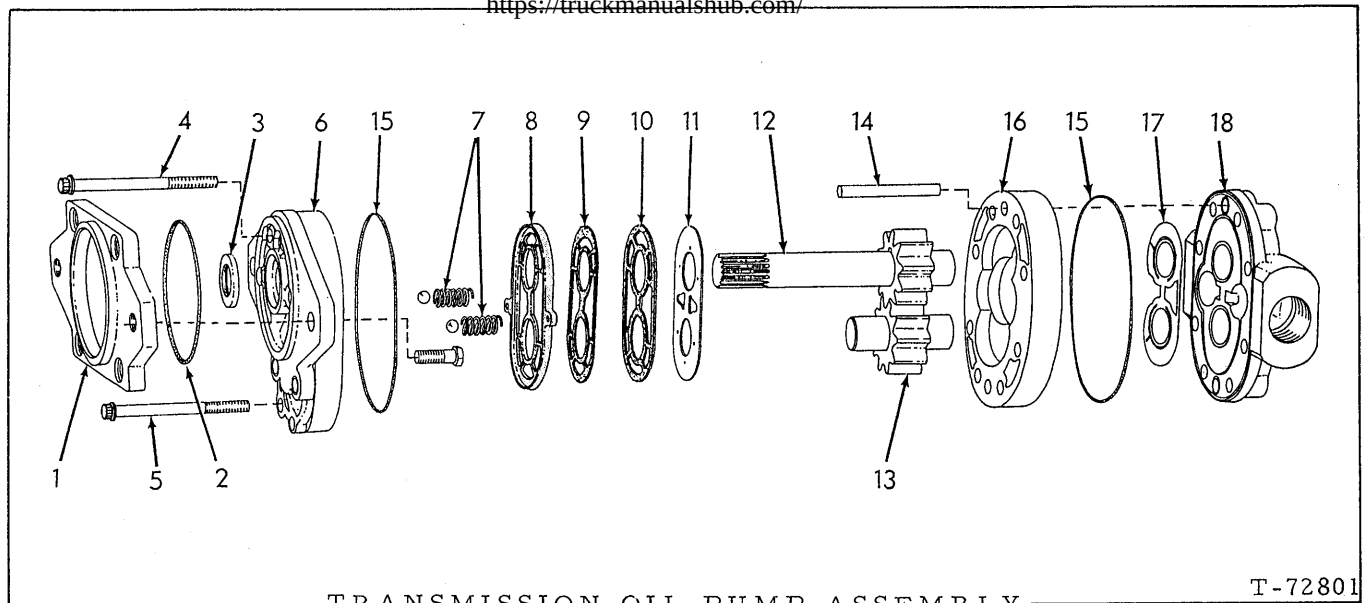
CONTROL VALVE ASSEMBLY

T-41807

USAGE: See page 141

| ITEM | PART NO. | QTY. | DESCRIPTION                                  |
|------|----------|------|----------------------------------------------|
| -    | 70639646 | 1    | VALVE ASSY. (Consists of items 1 thru 14)    |
| 1    | 70644277 | 1    | COVER                                        |
| 2    | 70644276 | 1    | GASKET, cover                                |
| 3    | 70186266 | 1    | O-RING, valve shaft                          |
| 4    | 70186668 | 1    | BEARING, ball, valve cover                   |
| 5    | 70639846 | 1    | SHAFT ASSY. (Includes arm and pin)(See NOTE) |
| 6    | 70639919 | 1    | WIPER                                        |
| 7    | 70639976 | 1    | PIN, spring, wiper (1/16" x 1/4")            |
| 8    | 70639969 | 1    | SPRING, wiper                                |
| 9    | 70050442 | 1    | BEARING, roller, adapter                     |
| 10   | 70637623 | 2    | RING, sealing, valve shaft and wiper         |
| 11   | 70915905 | 1    | BALL, steel, (3/8" diam.)(See NOTE)          |
| 12   | 70642849 | 1    | SPRING, detent ball (See NOTE)               |
| 13   | 70683202 | 3    | SHIM, detent spring (Use as required)        |
| 14   | 70644278 | 1    | ADAPTER                                      |
|      | 70918547 | 2    | PIN, spring, 1/8" x 1/2" (dowel)             |
|      | 70920449 | 2    | PIN, spring, 1/4" x 2" (stop)                |
|      | 70912262 | 1    | CAPSCREW, hex-socket-hd., 1/4" NC x 1"       |

**NOTE:** Valves serial No. 5146 thru No. 5203 were slightly different in design than illustrated. The detent arrangement (items 11 and 12) consisted of a plunger, spring and shims; item 5 Shaft Assy. was also changed. For initial service on any of these parts, order items 5, 10, 11 and 12.

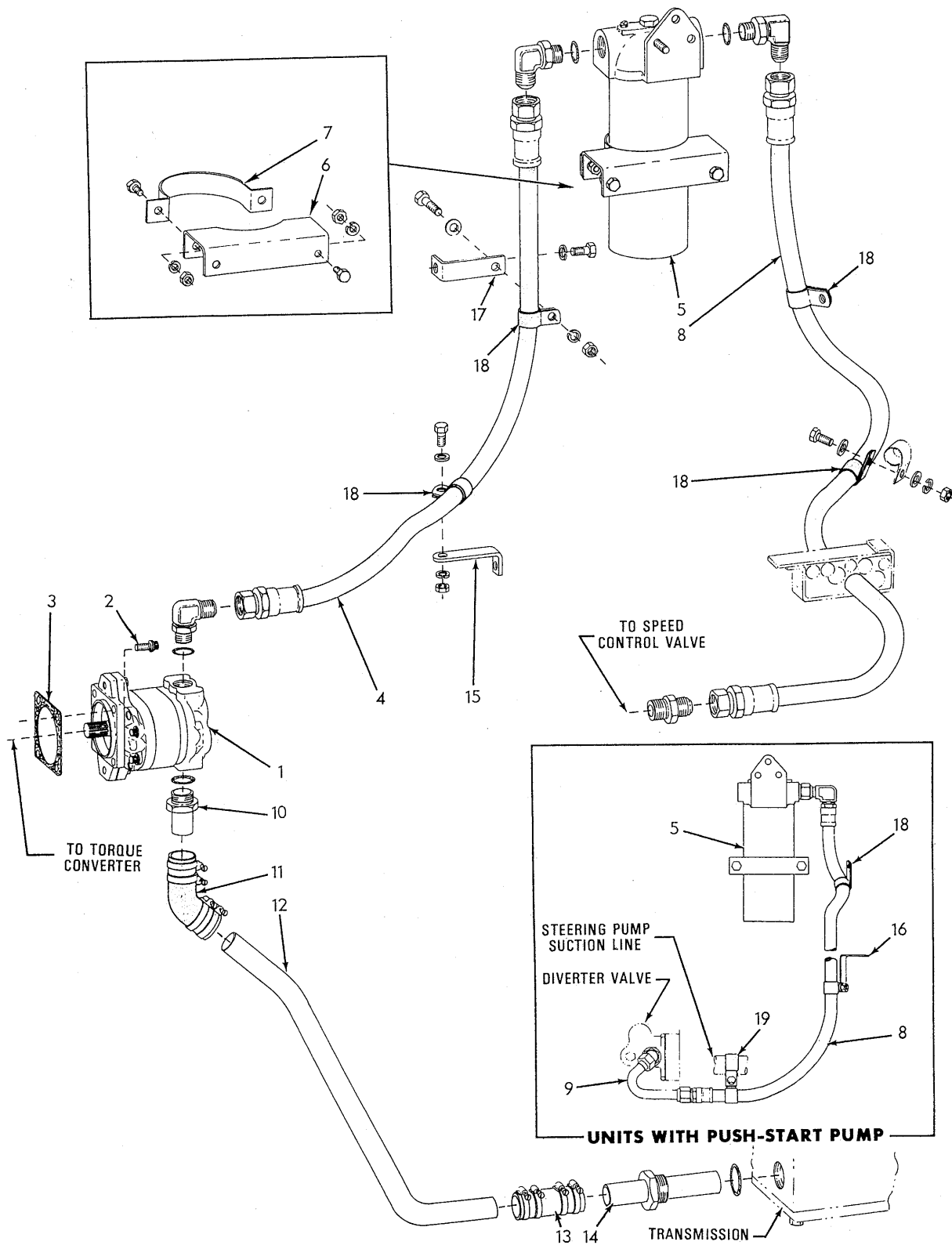


TRANSMISSION OIL PUMP ASSEMBLY

T-72801

USAGE: See page 147

| ITEM | PART NO. | QTY. | DESCRIPTION                                        |
|------|----------|------|----------------------------------------------------|
| -    | 70662303 | 1    | PUMP ASSY., oil (Consists of items 1 thru 18)      |
| 1    | 70656694 | 1    | ADAPTER                                            |
| 2    | 70925310 | 1    | <input type="checkbox"/> O-RING, adapter           |
| 3    | 70653935 | 1    | <input type="checkbox"/> SEAL, oil                 |
| 4    | 70924787 | 4    | SCREW, 12-pt-hd., 3/8"NC x 3-3/4"                  |
| 5    | 70924790 | 4    | SCREW, 12-pt-hd., 3/8"NC x 3-1/2"                  |
| 6    | 74905633 | 1    | PLATE ASSY., front (Includes bushings)             |
|      | 70920582 | 2    | CAPSCREW, 1/2"NC x 1-1/4"                          |
| 7    | 70653916 | 2    | SPRING, check valve                                |
|      | 70921085 | 2    | BALL, steel, 13/32" diam.                          |
| 8    | 71002296 | 1    | <input type="checkbox"/> SEAL, front diaphragm     |
| 9    | 70669992 | 1    | <input type="checkbox"/> GASKET, diaphragm (thin)  |
| 10   | 70653919 | 1    | <input type="checkbox"/> GASKET, diaphragm (thick) |
| 11   | 70653920 | 1    | <input type="checkbox"/> DIAPHRAGM, sealing        |
| 12   | 70669997 | 1    | GEAR ASSY., drive (Includes shaft)                 |
| 13   | 70669998 | 1    | GEAR ASSY., driven (Includes shaft)                |
| 14   | 70653928 | 2    | PIN, dowel                                         |
| 15   | 70924921 | 2    | <input type="checkbox"/> O-RING, center body       |
| 16   | 70689443 | 1    | BODY, center                                       |
| 17   | 70669996 | 1    | PLATE                                              |
| 18   | 70669994 | 1    | PLATE ASSY., back (Includes bushings)              |



TRANSMISSION OIL PUMP AND FILTER LINES

T-75766

<https://truckmanualshub.com/>  
TRANSMISSION OIL PUMP AND FILTER LINES

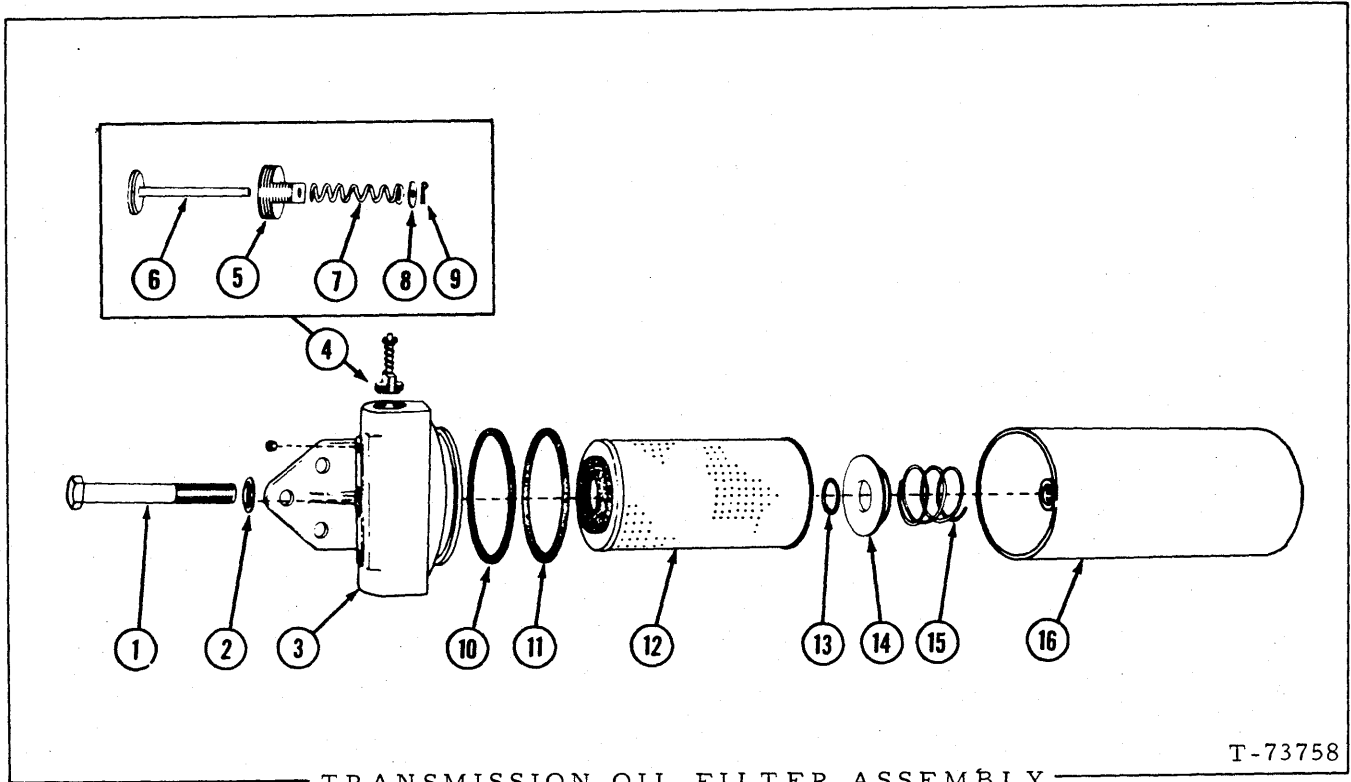
\* Units without Push-start Pump (Standard)  
\*\* Units with Push-start Pump (Special)

| ITEM | PART NO. | QTY. |    | DESCRIPTION                                                                                 |
|------|----------|------|----|---------------------------------------------------------------------------------------------|
|      |          | *    | ** |                                                                                             |
| 1    | -----    | 1    | 1  | PUMP ASSY., oil (See page 145)                                                              |
| 2    | 70923980 | 4    | 4  | SCREW, Nylok, 12-point hd., 1/2"NC x 1"                                                     |
| 3    | 70634271 | 1    | 1  | <input type="checkbox"/> GASKET, pump                                                       |
| 4    | 70662922 | 1    | 1  | HOSE, pump to filter (See HOSE PARTS)                                                       |
|      | 70921227 | 2    | 2  | ELBOW, adjustable, 90°, flare type, 1" tube, 1-5/16"NF<br>(Includes washer, nut and O-RING) |
|      | 70921214 | 2    | 2  | O-RING, elbow (1-3/8"O.D.)                                                                  |
| 5    | -----    | 1    | 1  | FILTER ASSY., oil (See page 149)                                                            |
|      | 70920582 | 3    | 3  | CAPSCREW, 1/2"NC x 1-1/4"                                                                   |
|      | 70912441 | 3    | 3  | LOCKWASHER, 1/2"                                                                            |
| 6    | 70673204 | 1    | 1  | BRACKET, filter supporting                                                                  |
|      | 70922763 | 2    | 2  | CAPSCREW, 3/8"NC x 7/8"                                                                     |
|      | 70677006 | 2    | 2  | WASHER                                                                                      |
|      | 70911026 | 2    | 2  | NUT, 3/8"NC (Early units)                                                                   |
| 7    | 70673822 | 1    | 1  | CLAMP, filter supporting                                                                    |
|      | 70922262 | 2    | 2  | CAPSCREW, 3/8"NC x 7/8"                                                                     |
|      | 70910287 | 2    | 2  | LOCKWASHER, 3/8"                                                                            |
|      | 70911026 | 2    | 2  | NUT, 3/8"NC                                                                                 |
| 8    | 70662922 | 1    | -  | HOSE, filter to speed control valve (See HOSE PARTS)                                        |
|      | 70921227 | 1    | -  | ELBOW, adjustable, 90°, flare type, 1" tube, 1-5/16"NF<br>(Includes washer, nut and O-RING) |
|      | 70921214 | 1    | -  | O-RING, elbow (1-3/8"O.D.)                                                                  |
|      | 70919246 | 1    | -  | CONNECTOR, flare type, 1" tube, 3/4"NPT male                                                |
|      | 70654081 | -    | 1  | HOSE, filter to diverter valve (See HOSE PARTS)                                             |
|      | 70921227 | -    | 1  | ELBOW, adjustable, 90°, flare type, 1" tube, 1-5/16"NF<br>(Includes washer, nut and O-RING) |
|      | 70921214 | -    | 1  | O-RING, elbow (1-3/8"O.D.)                                                                  |
|      |          |      |    |                                                                                             |
| 9    | 70653842 | -    | 1  | TUBE ASSY., filter to diverter valve (Includes nuts)                                        |
|      | 70921215 | -    | 1  | ELBOW, adjustable, 45°, flare type, 1" tube, 1-5/16"NF<br>(Includes washer, nut and O-RING) |
|      | 70921214 | -    | 1  | O-RING, elbow (1-3/8"O.D.)                                                                  |
| 10   | 70656233 | 1    | 1  | ADAPTER, suction line, upper (Includes O-RING)                                              |
|      | 70921235 | 1    | 1  | O-RING, adapter sealing (1-7/8" O.D.)                                                       |
| 11   | 70631790 | 1    | 1  | BOOT, suction line                                                                          |
|      | 70921912 | 4    | 4  | CLAMP, hose, 1-1/16" to 2" diam.                                                            |
| 12   | 70653807 | 1    | 1  | TUBE, suction line                                                                          |
| 13   | 70631788 | 1    | 1  | HOSE, suction line                                                                          |
|      | 70921912 | 4    | 4  | CLAMP, hose, 1-1/16" to 2" diam.                                                            |
| 14   | 70641849 | 1    | 1  | ADAPTER, suction line, lower (Includes O-RING)                                              |
|      | 70921887 | 1    | 1  | O-RING, adapter sealing (1-5/16" O.D.)                                                      |

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## TRANSMISSION OIL PUMP AND FILTER LINES (Continued)

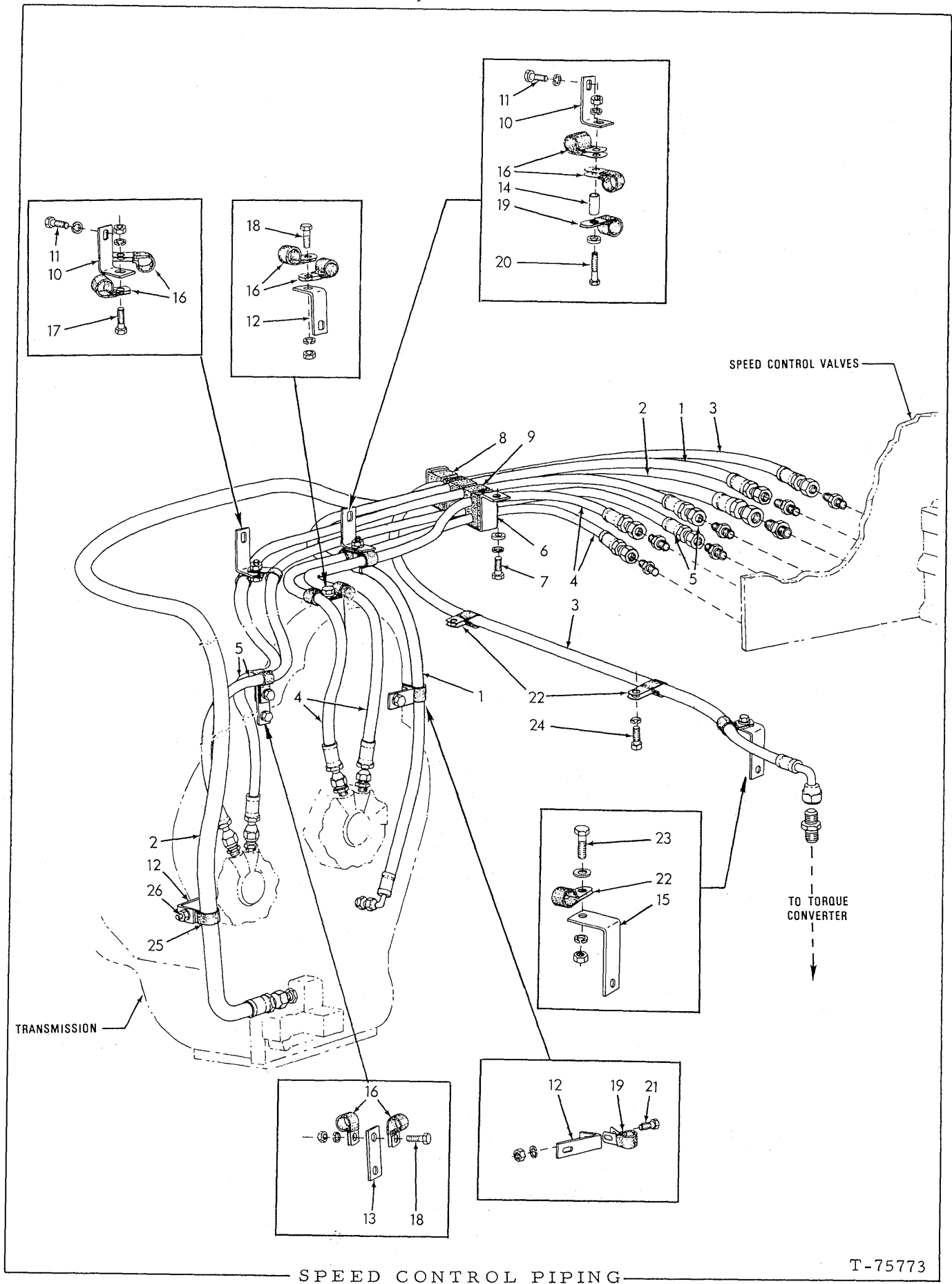
| ITEM | PART NO. | QTY. |    | DESCRIPTION                   |
|------|----------|------|----|-------------------------------|
|      |          | *    | ** |                               |
| 15   | 70635124 | 1    | 1  | ANGLE, hose supporting        |
| 16   | 70631874 | -    | 1  | ANGLE, hose supporting        |
| 17   | 70620604 | 1    | 1  | ANGLE, hose supporting        |
|      | 70921175 | 1    | 1  | CAPSCREW, 1/2"NC x 1"         |
|      | 70912441 | 1    | 1  | LOCKWASHER, 1/2"              |
| 18   | 70644457 | 4    | 4  | CLIP, hose supporting         |
|      | 70916310 | 3    | 3  | CAPSCREW, 1/2"NC x 1"         |
|      | 70916311 | 1    | 1  | CAPSCREW, 1/2"NC x 1-1/4"     |
|      | 70910244 | 4    | 2  | WASHER, plain, SAE std., 1/2" |
|      | 70904208 | 4    | 4  | LOCKWASHER, 1/2"              |
|      | 70911028 | 3    | 3  | NUT, 1/2"NC                   |
| 19   | 70623235 | -    | 1  | CLIP, hose supporting         |
|      | 70916309 | -    | 1  | CAPSCREW, 1/2"NC x 3/4"       |
|      | 70904208 | -    | 1  | LOCKWASHER, 1/2"              |
|      | 70911028 | -    | 1  | NUT, 1/2"NC                   |



TRANSMISSION OIL FILTER ASSEMBLY

USAGE: See page 147

| ITEM | PART NO. | QTY. | DESCRIPTION                                           |
|------|----------|------|-------------------------------------------------------|
| -    | 70676660 | 1    | FILTER ASSY., oil (Consists of items 1 thru 16)       |
| 1    | 70923438 | 1    | CAPSCREW, tank retaining (3/4"NF x 5-1/2")            |
| 2    | 74254971 | 1    | WASHER, tank retaining capscREW                       |
| 3    | 70677289 | 1    | HEAD ASSY. (Includes item 4 and plugs indented below) |
|      | 70901652 | 2    | PLUG, pipe, 1/4"NPT                                   |
| 4    | 70661534 | 1    | VALVE ASSY., by-pass (Consists of items 5 thru 9)     |
| 5    | -----    | 1    | HOUSING, by-pass valve (Not serviced separately)      |
| 6    | -----    | 1    | VALVE, by-pass (Not serviced separately)              |
| 7    | 70661268 | 1    | SPRING, by-pass valve                                 |
| 8    | 70632060 | 1    | WASHER, by-pass valve spring                          |
| 9    | 70900970 | 1    | PIN, cotter, 1/16" x 1/2"                             |
| 10   | 70646532 | 1    | RING, back-up                                         |
| 11   | 70923836 | 1    | O-RING, filter head                                   |
| 12   | 70669434 | 1    | ELEMENT KIT (Includes items 2, 10 and 11)             |
| 13   | 70671616 | 1    | O-RING, element seating plate                         |
| 14   | 70641031 | 1    | PLATE, element seating                                |
| 15   | 70674798 | 1    | SPRING, element seating plate                         |
| 16   | 70671497 | 1    | TANK                                                  |



T-75773

# SPEED CONTROL PIPING

\* Units with Push-start Pump  
 \*\* Units without Push-start Pump

| ITEM | PART NO. | QTY. |    | DESCRIPTION                                                           |
|------|----------|------|----|-----------------------------------------------------------------------|
|      |          | *    | ** |                                                                       |
| 1    | 70653905 | 1    | 1  | HOSE, oil return (See HOSE PARTS)                                     |
|      | 70919472 | 1    | 1  | CONNECTOR, flare type, 5/8" tube, 1/2"NPT male                        |
|      | 70921326 | 1    | 1  | CONNECTOR, flare type, 5/8" tube 7/8"NF male end<br>(Includes O-RING) |
|      | 70921205 | 1    | 1  | O-RING, connector (15/16"O.D.)                                        |
| 2    | 70644759 | 1    | -  | HOSE, diverter valve to control valve (See HOSE PARTS)                |
|      | 70921228 | 1    | -  | CONNECTOR, flare type, 1"tube, 1-5/16"NF (Includes O-RING)            |
|      | 70921214 | 1    | -  | O-RING, connector (1-3/8"O.D.)                                        |
|      | 70919246 | 1    | -  | CONNECTOR, flare type, 1" tube, 3/4"NPT                               |
| 3    | 70645248 | 1    | 1  | HOSE, engine clutch oil supply (See HOSE PARTS)                       |
|      | 70919063 | 2    | 2  | CONNECTOR, flare type, 1/2" tube, 3/8"NPT male                        |
| 4    | 70645250 | 2    | 2  | HOSE, clutch control (See HOSE PARTS)                                 |
|      | 70919063 | 4    | 4  | CONNECTOR, flare type, 1/2" tube, 3/8"NPT male                        |
| 5    | 70638205 | 2    | 2  | HOSE, clutch control (See HOSE PARTS)                                 |
|      | 70919063 | 4    | 4  | CONNECTOR, flare type, 1/2" tube, 3/8"NPT male                        |
| 6    | 70639756 | 1    | 1  | CLAMP, hose supporting                                                |
| 7    | 70922763 | 1    | 1  | CAPSCREW, 3/8"NC x 1"                                                 |
|      | 70904206 | 1    | 1  | LOCKWASHER, 3/8"                                                      |
|      | 70044973 | 1    | 1  | WASHER, plain                                                         |
| 8    | 70651774 | 1    | 1  | BLOCK, hose supporting, rear (rubber)                                 |
| 9    | 70639620 | 1    | 1  | BLOCK, hose supporting, front (rubber)                                |
| 10   | 70620604 | 2    | 2  | ANGLE, hose supporting                                                |
| 11   | 70921175 | 2    | 2  | CAPSCREW, 1/2"NC x 1"                                                 |
|      | 70912441 | 2    | 2  | LOCKWASHER, 1/2"                                                      |
| 12   | 70628243 | 3    | 2  | ANGLE, hose supporting                                                |
|      | 70916313 | 1    | -  | CAPSCREW, 1/2"NC x 1-3/4"                                             |
|      | 70910244 | 1    | -  | WASHER, plain, SAE std., 1/2"                                         |
| 13   | 70638131 | 1    | 1  | STRAP, hose supporting                                                |
| 14   | 70083847 | 1    | 1  | SPACER, clip                                                          |
| 15   | 70642534 | 1    | 1  | ANGLE, hose supporting                                                |
|      | 70911115 | 1    | 1  | WASHER, plain, SAE std., 3/8"                                         |
| 16   | 70094467 | 8    | 8  | CLIP, hose supporting (3/4" diam., 13/32" bolt-hole)                  |
| 17   | 70927354 | 1    | 1  | CAPSCREW, 3/8"NF x 7/8"                                               |
| 18   | 70927211 | 2    | 2  | CAPSCREW, 3/8"NF x 3/4"                                               |
|      | 70910287 | 3    | 3  | LOCKWASHER, 3/8"                                                      |
|      | 70911041 | 3    | 3  | NUT, 3/8" NF                                                          |
| 19   | 70643957 | 2    | 2  | CLIP, hose supporting (1-1/32" diam., 17/32" bolt-hole)               |
| 20   | 70927322 | 1    | 1  | CAPSCREW, 3/8" NF x 2"                                                |
| 21   | 70927354 | 1    | 1  | CAPSCREW, 3/8" NF x 7/8"                                              |
|      | 70911115 | 1    | 1  | WASHER, plain, SAE std., 3/8"                                         |
|      | 70910287 | 2    | 2  | LOCKWASHER, 3/8"                                                      |
|      | 70911041 | 2    | 2  | NUT, 3/8" NF                                                          |

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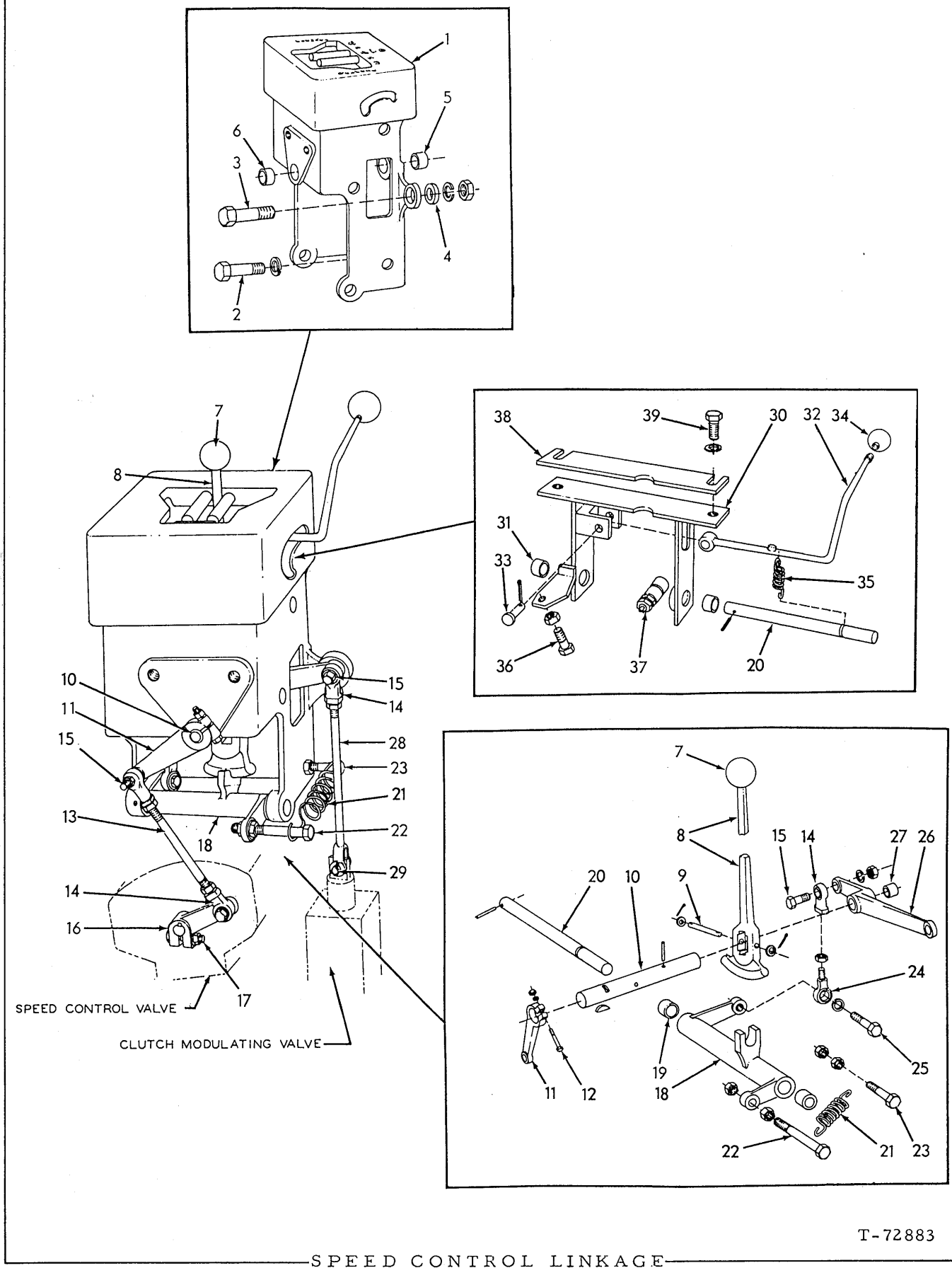
https://truckmanualshub.com/  
SPEED CONTROL PIPING (Continued)

| ITEM | PART NO. | QTY. |    | DESCRIPTION                                             |
|------|----------|------|----|---------------------------------------------------------|
|      |          | *    | ** |                                                         |
| 22   | 70621304 | 3    | 3  | CLIP, hose supporting (3/4" diam., 17/32" bolt-hole)    |
| 23   | 70922763 | 1    | 1  | CAPSCREW, 3/8"NC x 1"                                   |
|      | 70911115 | 1    | 1  | WASHER, plain, SAE std., 3/8"                           |
|      | 70910287 | 1    | 1  | LOCKWASHER, 3/8"                                        |
|      | 70911026 | 1    | 1  | NUT, 3/8"NC                                             |
| 24   | 70921175 | 1    | 1  | CAPSCREW, 1/2"NC x 1"                                   |
|      | 70912441 | 1    | 1  | LOCKWASHER, 1/2"                                        |
| 25   | 70644457 | 1    | -  | CLIP, oil supply hose (1-5/16" diam., 17/32" bolt-hole) |
| 26   | 70922286 | 1    | -  | CAPSCREW, 3/8"NC x 7/8"                                 |
|      | 70911115 | 1    | -  | WASHER, plain, SAE std., 3/8"                           |
|      | 70904206 | 1    | -  | LOCKWASHER, 3/8"                                        |
|      | 70911026 | 1    | -  | NUT, 3/8"NC                                             |

SPEED CONTROL LINKAGE

| ITEM | PART NO. | QTY. | DESCRIPTION                                           |
|------|----------|------|-------------------------------------------------------|
| 1    | 70655777 | 1    | GUIDE ASSY., control (Includes items 5 and 6)         |
| 2    | 70920582 | 2    | CAPSCREW, 1/2"NC x 1-1/4"                             |
| 3    | 70922526 | 1    | CAPSCREW, 1/2"NC x 2-1/2"                             |
| 4    | 70677008 | 2    | WASHER                                                |
|      | 70912441 | 3    | LOCKWASHER, 1/2"                                      |
|      | 70911028 | 1    | NUT, 1/2"NC                                           |
| 5    | 70639785 | 1    | BUSHING, control guide, front                         |
| 6    | 70628157 | 1    | BUSHING, control guide, rear                          |
| 7    | 70629709 | 1    | KNOB, speed shift lever                               |
| 8    | 70639766 | 1    | LEVER, speed shift                                    |
| 9    | 70656155 | 1    | PIN, lever pivot                                      |
|      | 70911115 | 2    | WASHER                                                |
|      | 70900806 | 2    | PIN, cotter, 1/8" x 1"                                |
| 10   | 70656159 | 1    | SHAFT, speed shift lever                              |
|      | 70915989 | 1    | PIN, spring, 3/16" x 1-3/8"                           |
| 11   | 70639775 | 1    | LEVER, control valve, upper                           |
|      | 70905123 | 1    | KEY, #9 woodruff, 3/16" x 3/4"                        |
| 12   | 70927322 | 1    | CAPSCREW, 3/8"NF x 2"                                 |
|      | 70910287 | 1    | LOCKWASHER, 3/8"                                      |
|      | 70911041 | 1    | NUT, 3/8"NF                                           |
| 13   | 70639778 | 1    | ROD, control valve                                    |
|      | 70911048 | 2    | NUT, jam, 3/8"NF                                      |
| 14   | 70617932 | 4    | END, rod (female)                                     |
| 15   | 70927357 | 4    | CAPSCREW, 3/8"NF x 1-3/8"                             |
|      | 70910287 | 4    | LOCKWASHER, 3/8"                                      |
|      | 70911041 | 4    | NUT, 3/8"NF                                           |
| 16   | 70639753 | 1    | LEVER, control valve, lower                           |
| 17   | 70923470 | 1    | CAPSCREW, 3/8"NC x 1-1/2"                             |
|      | 70910287 | 1    | LOCKWASHER, 3/8"                                      |
|      | 70911026 | 1    | NUT, 3/8"NC                                           |
| 18   | 70644064 | 1    | BELLCRANK ASSY., speed shift lever (Includes item 19) |
| 19   | 70637286 | 2    | BUSHING, bellcrank                                    |
| 20   | 70639790 | 2    | SHAFT, pivot                                          |
|      | 70919761 | 2    | PIN, spring, 1/8" x 1-1/4"                            |
| 21   | 70640637 | 1    | SPRING, bellcrank                                     |
| 22   | 70927358 | 1    | CAPSCREW, bellcrank spring (3/8"NF x 2-1/4")          |
|      | 70911048 | 2    | NUT, jam, 3/8"NF                                      |
| 23   | 70916272 | 1    | CAPSCREW, bellcrank spring (3/8"NC x 1-1/4")          |
|      | 70911034 | 2    | NUT, jam, 3/8"NC                                      |
| 24   | 70639916 | 1    | END, rod (male)                                       |
|      | 70911048 | 1    | NUT, jam, 3/8"NF                                      |
| 25   | 70923193 | 1    | CAPSCREW, 3/8"NF x 1-1/4"                             |
|      | 70910287 | 1    | LOCKWASHER, 3/8"                                      |

(Continued)

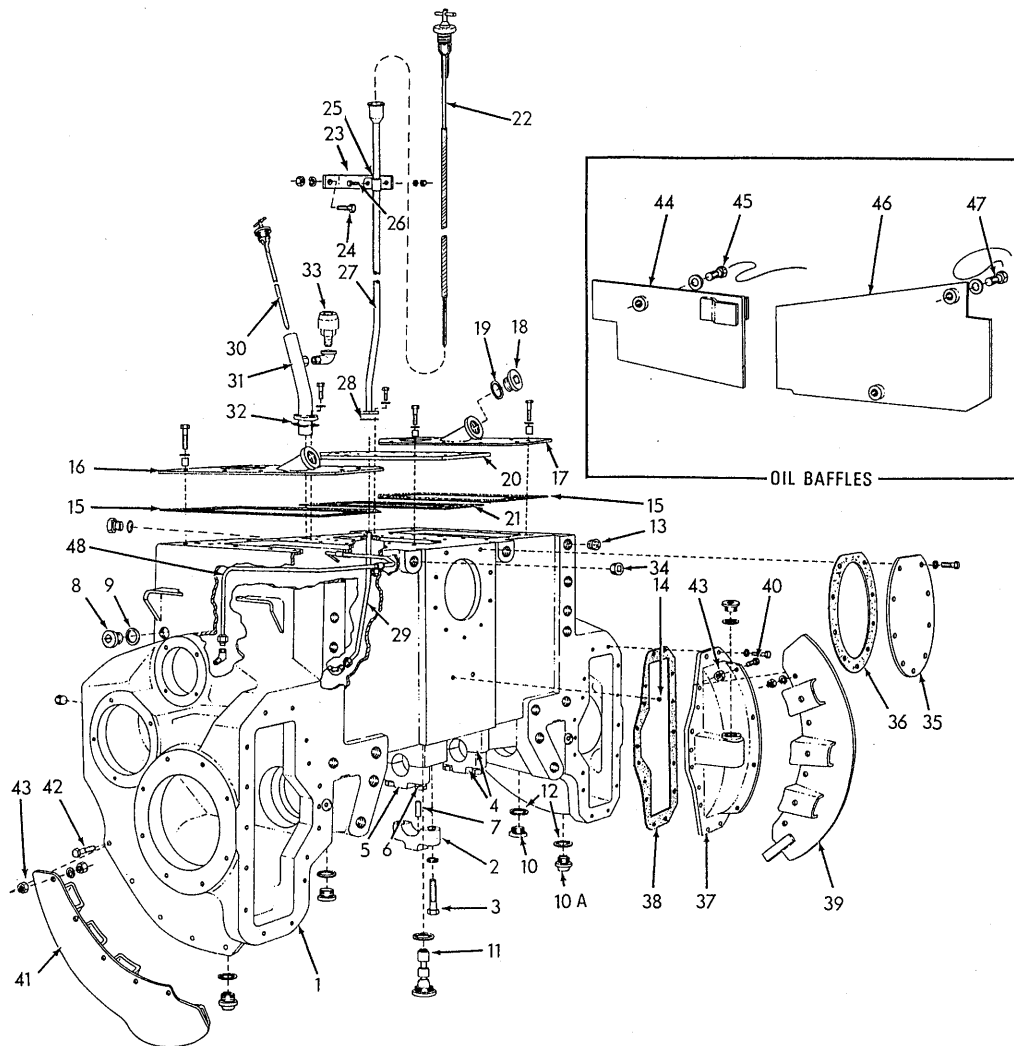


T-72883

SPEED CONTROL LINKAGE

SPEED CONTROL LINKAGE (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                              |
|------|----------|------|----------------------------------------------------------|
| 26   | 70639784 | 1    | BELLCRANK ASSY., modulating valve rod (Includes item 27) |
| 27   | 70628157 | 1    | BUSHING, bellcrank                                       |
| 28   | 70639779 | 1    | ROD, modulating valve                                    |
|      | 70911048 | 1    | NUT, jam, 3/8"NF                                         |
| 29   | 70078810 | 1    | PIN, modulating valve rod                                |
|      | 70900801 | 1    | PIN, cotter, 3/32" x 3/4"                                |
| 30   | 70644065 | 1    | BRACKET ASSY., neutral lock (Includes item 31)           |
| 31   | 70637286 | 2    | BUSHING, neutral lock bracket                            |
| 32   | 70662886 | 1    | LEVER, neutral lock                                      |
| 33   | 70078810 | 1    | PIN, neutral lock lever                                  |
|      | 70900801 | 1    | PIN, cotter, 3/32" x 3/4"                                |
| 34   | 70632038 | 1    | KNOB, neutral lock lever                                 |
| 35   | 70641008 | 1    | SPRING, neutral lock lever                               |
| 36   | 70923276 | 1    | CAPSCREW, neutral lock bracket (3/8"NF x 1")             |
|      | 70911048 | 1    | NUT, jam, 3/8"NF                                         |
| 37   | 70631844 | 1    | SWITCH, safety (Includes mounting nuts)                  |
| 38   | 70641979 | 1    | BAR, adjustment, neutral lock bracket                    |
| 39   | 70927211 | 2    | CAPSCREW, 3/8"NF x 3/4"                                  |
|      | 70911115 | 2    | WASHER, plain, SAE std., 3/8"                            |



T-75741

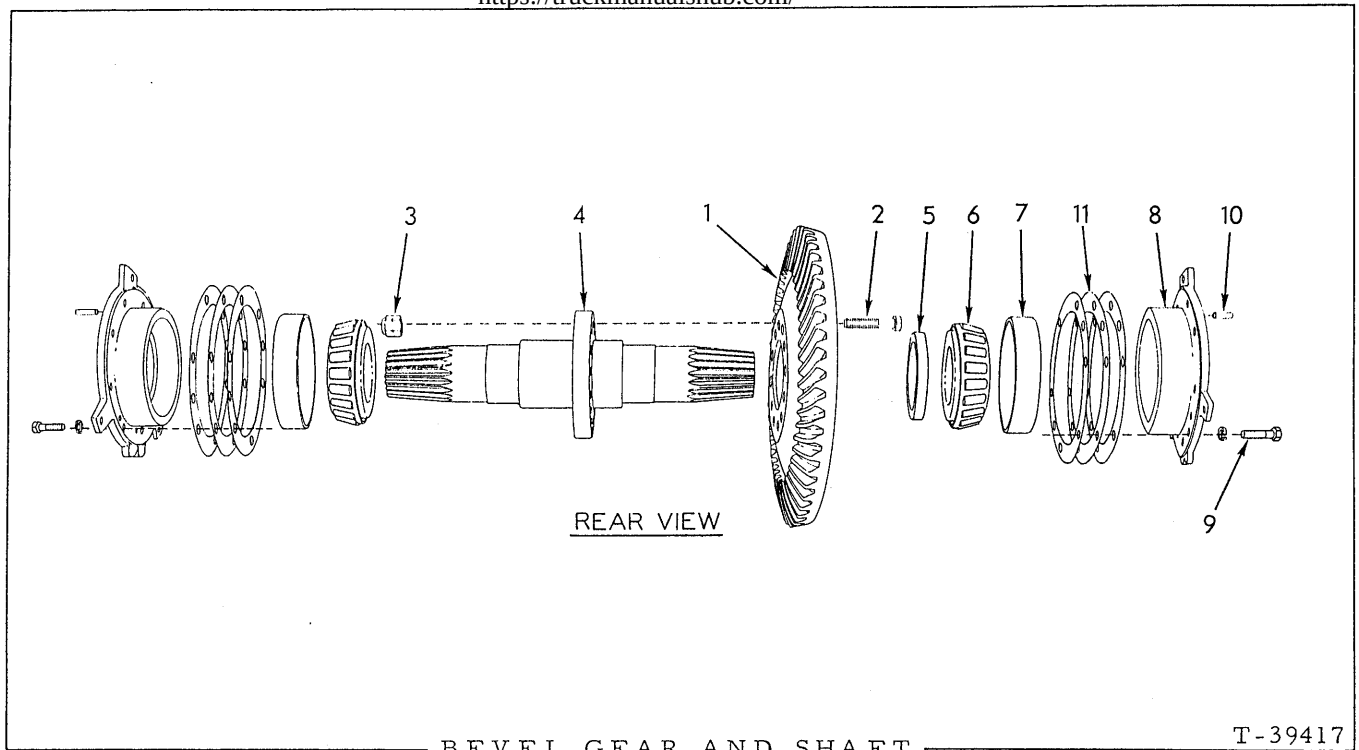
MAIN HOUSING

| ITEM        | PART NO. | QTY. | DESCRIPTION                                                                                                            |
|-------------|----------|------|------------------------------------------------------------------------------------------------------------------------|
| 1           | 70651910 | 1    | HOUSING ASSY. (Includes items 2 thru 7)                                                                                |
|             | 70904223 | 2    | PLUG, pipe, ctsk-hd., 1/2"NPT                                                                                          |
|             | 70920107 | 1    | PLUG, housing (Includes O-RING)                                                                                        |
|             | 70921206 | 1    | O-RING, housing plug                                                                                                   |
| 2           | 70664506 | 2    | CAP, track frame pivot shaft, inner                                                                                    |
| 3           | 70012762 | 4    | CAPSCREW, 7/8"NF x 3-1/4"                                                                                              |
|             | 70905347 | 4    | LOCKWASHER, 7/8"                                                                                                       |
| 4           | 70096212 | 2    | CAP ASSY., track frame pivot shaft, outer (Includes items 5 and 6; also upper block which requires welding to housing) |
| 5           | 70059783 | 2    | CAP, track frame pivot shaft                                                                                           |
| 6           | 70012762 | 4    | CAPSCREW, 7/8"NF x 3-1/4"                                                                                              |
|             | 70905347 | 4    | LOCKWASHER, 7/8"                                                                                                       |
| 7           | 70664270 | 2    | PIN, dowel, pivot shaft inner cap                                                                                      |
| 8           | 70050594 | 2    | PLUG, brake pin access hole                                                                                            |
| 9           | 70050595 | 2    | GASKET, access hole plug                                                                                               |
| (Continued) |          |      |                                                                                                                        |

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                             |
|------|----------|------|-----------------------------------------------------------------------------------------|
| 10   | 70035250 | 4    | PLUG, filling and drain                                                                 |
| 10A  | 70696918 | 2    | PLUG, drain (magnetic)                                                                  |
| 11   | 70067543 | 1    | PLUG, drain (magnetic)                                                                  |
| 12   | 70667252 | 7    | GASKET, filling and drain plugs                                                         |
| 13   | 70664852 | 8    | CORK, thread protecting (1-1/4" diam.)                                                  |
| 14   | 70664851 | 2    | CORK, thread protecting (5/8" diam.)                                                    |
| 15   | 70666543 | 2    | GASKET, steering clutch compartment covers                                              |
| 16   | 70666545 | 1    | COVER, steering clutch compartment, left                                                |
|      | 70927543 | 10   | CAPSCREW, 1/2" NF x 2-1/4"                                                              |
|      | 70677008 | 10   | WASHER                                                                                  |
|      | 70097413 | 10   | BLOCK, steering clutch compartment                                                      |
| 17   | 70666546 | 1    | COVER, steering clutch compartment, right                                               |
|      | 70921543 | 10   | CAPSCREW, 1/2" NF x 2-1/4" (One less used on units equipped with Back-up Alarm)         |
|      | 70922726 | 1    | CAPSCREW, 1/2" NF x 1-1/2" (Used on units equipped with Back-up Alarm only)             |
|      | 70677008 | 10   | WASHER                                                                                  |
|      | 70097413 | 10   | BLOCK, steering clutch compartment (One less used on units equipped with Back-up Alarm) |
| 18   | 70651978 | 2    | PLUG, brake adjustment access hole                                                      |
| 19   | 70623144 | 2    | GASKET, access hole plug                                                                |
| 20   | 70666786 | 1    | COVER, bevel gear compartment, top                                                      |
|      | 70921570 | 12   | CAPSCREW, 1/2" NF x 2-1/2"                                                              |
|      | 70677008 | 12   | WASHER                                                                                  |
|      | 70097413 | 12   | BLOCK, bevel gear compartment                                                           |
| 21   | 70666787 | 1    | GASKET, top cover, bevel gear compartment                                               |
| 22   | 70674997 | 1    | GAUGE ASSY., oil level, transmission                                                    |
| 23   | 70674799 | 1    | ANGLE, guide supporting                                                                 |
| 24   | 70920574 | 1    | CAPSCREW, 1/2" NC x 1-3/8"                                                              |
|      | 70912441 | 1    | LOCKWASHER, 1/2"                                                                        |
|      | 70911028 | 1    | NUT, 1/2" NC                                                                            |
| 25   | 70927309 | 2    | CLAMP, guide supporting                                                                 |
| 26   | 70922763 | 2    | CAPSCREW, 3/8" NC x 1"                                                                  |
|      | 70910287 | 2    | LOCKWASHER, 3/8"                                                                        |
|      | 70911026 | 2    | NUT, 3/8" NC                                                                            |
| 27   | 70675036 | 1    | GUIDE, transmission oil level gauge                                                     |
|      | 70922763 | 2    | CAPSCREW, 3/8" NF x 1"                                                                  |
|      | 70910287 | 2    | LOCKWASHER, 3/8"                                                                        |
| 28   | 70628951 | 1    | GASKET, guide                                                                           |
| 29   | 70658613 | 1    | TUBE ASSY., transmission oil level gauge (lower) (Includes nut)                         |
|      | 70923984 | 1    | ELBOW, flare type, swivel nut, 1/2" tube, 3/8" NPT male                                 |
| 30   | 70667470 | 1    | GAUGE, oil level, steering clutch housing (Tractors prior to unit #12681)               |
|      | 70679132 | 1    | GAUGE, oil level, steering clutch housing (Tractor unit #12681 and up)                  |

(Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                             |
|------|----------|------|---------------------------------------------------------|
| 31   | 70667462 | 1    | TUBE, oil filler                                        |
|      | 70927173 | 2    | CAPSCREW, 3/8"NF x 1-1/8"                               |
|      | 70910287 | 2    | LOCKWASHER, 3/8"                                        |
| 32   | 70655875 | 1    | GASKET, oil filler tube                                 |
| 33   | 70679375 | 1    | BREATHER ASSY., final drive (Serviced only as a unit)   |
|      | 70919824 | 1    | ELBOW, street, 90°, 3/4"NPT to 1/2"NPT                  |
| 34   | 70052979 | 2    | PLUG, thread protecting (socket-hd., 1-1/4"NF)          |
| 35   | 70052977 | 1    | COVER, bevel gear compartment, rear                     |
|      | 70927205 | 9    | CAPSCREW, Nylok, 5/8"NC x 1-1/4"                        |
|      | 70926196 | 9    | WASHER                                                  |
| 36   | 70052976 | 1    | GASKET, rear bevel gear compartment cover               |
| 37 { | 70658711 | 1    | COVER, final drive compartment, left side               |
|      | 70658712 | 1    | COVER, final drive compartment, right side              |
|      | 70922726 | 32   | CAPSCREW, 1/2"NF x 1-1/2"                               |
|      | 70912441 | 32   | LOCKWASHER, 1/2"                                        |
| 38   | 70059315 | 2    | GASKET, final drive compartment covers                  |
|      |          |      | NOTE: Items 39 thru 43 are special equipment            |
| 39 { | 70646091 | 1    | GUARD, track sprocket, upper left                       |
|      | 70646092 | 1    | GUARD, track sprocket, upper right                      |
| 40   | 70929864 | 8    | CAPSCREW, 1/2"NC x 2-1/4"                               |
|      | 70912441 | 8    | LOCKWASHER, 1/2"                                        |
|      | 70911028 | 8    | NUT, 1/2"NC                                             |
| 41 { | 70646093 | 1    | GUARD, track sprocket, lower left                       |
|      | 70646094 | 1    | GUARD, track sprocket, lower right                      |
| 42   | 70922526 | 10   | CAPSCREW, 1/2"NC x 2-1/2"                               |
|      | 70912441 | 10   | LOCKWASHER, 1/2"                                        |
|      | 70911028 | 10   | NUT, 1/2"NC                                             |
| 43   | 70664414 | 18   | SPACER, track sprocket guards                           |
| 44   | 70640083 | 1    | BAFFLE, oil, front section                              |
| 45   | 70927483 | 1    | CAPSCREW, drilled-hd., 3/8"NC x 2"                      |
|      | 70023633 | 1    | WIRE, locking, 1/16" x 12"                              |
|      | 70044973 | 1    | WASHER, plain                                           |
| 46   | 70642305 | 1    | BAFFLE, oil, rear section                               |
| 47   | 70927483 | 2    | CAPSCREW, drilled-hd., 3/8"NC x 2"                      |
|      | 70037000 | 1    | WIRE, locking                                           |
|      | 70044973 | 2    | WASHER, plain                                           |
| 48 { | 70669031 | 1    | TUBE ASSY., final drive breather, left (Includes nuts)  |
|      | 70669032 | 1    | TUBE ASSY., final drive breather, right (Includes nuts) |
|      | 70919464 | 2    | ELBOW, flare type, 45°, 1/4"tube x 1/8"NPT male         |
|      | 70640677 | 4    | CLIP, tube supporting                                   |
|      | 70915408 | 4    | CAPSCREW, 3/8"NC x 3/4"                                 |
|      | 70904206 | 4    | LOCKWASHER, 3/8"                                        |
|      | 70911115 | 4    | WASHER, plain, SAE std., 3/8"                           |

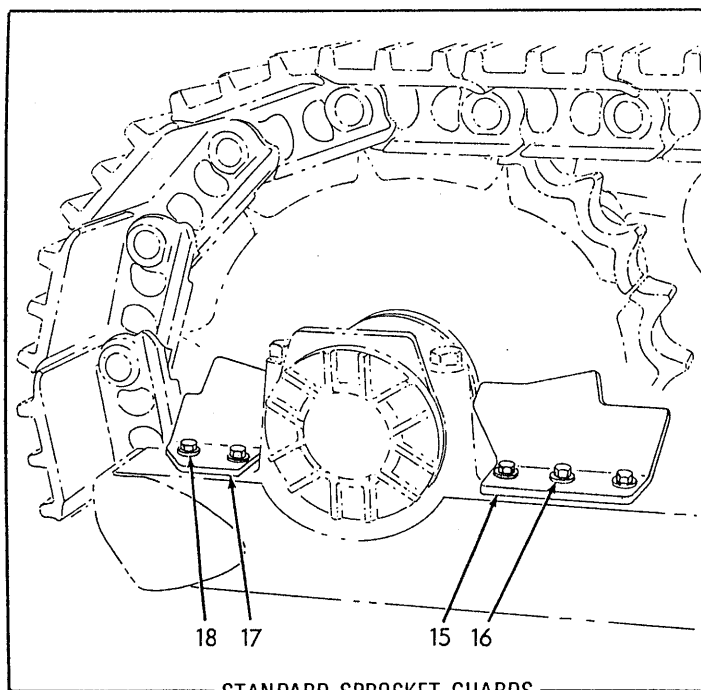
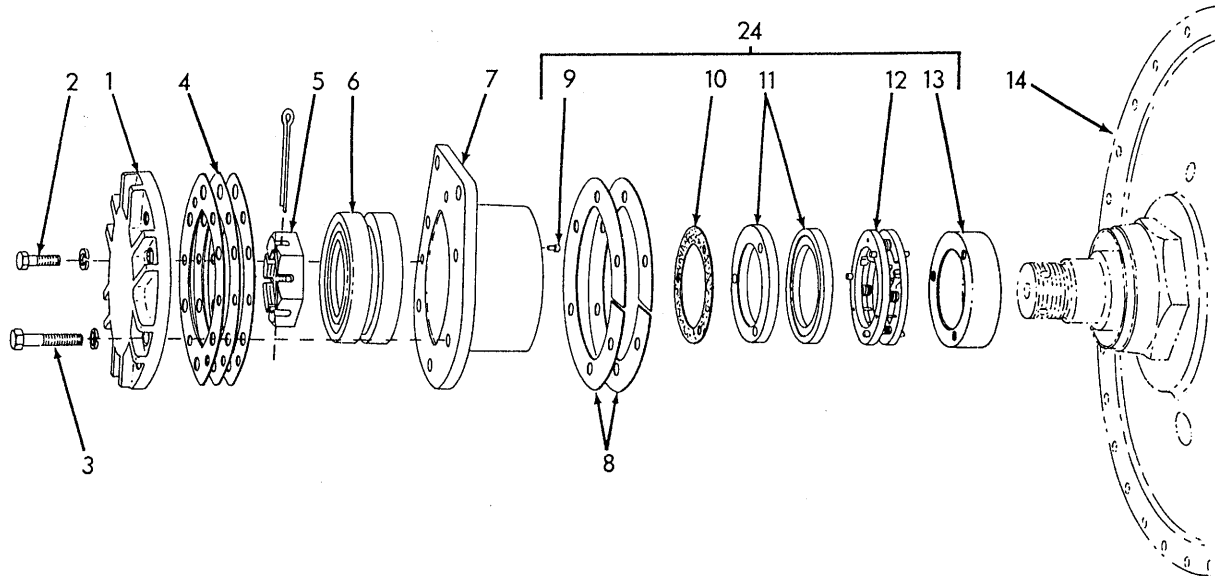


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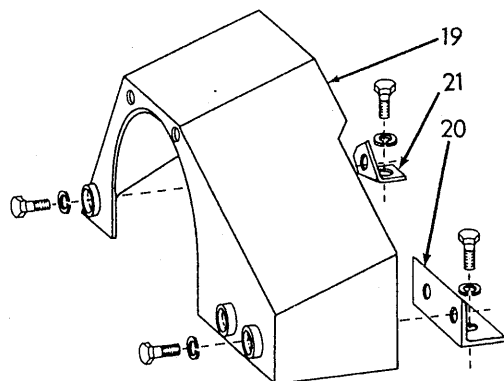
| ITEM | PART NO. | QTY. | DESCRIPTION                                             |
|------|----------|------|---------------------------------------------------------|
| 1    | 70663510 | 1    | GEAR, bevel (43 teeth, left hand spiral)                |
| 2    | 70067680 | 12   | BOLT, 5/8" NF x 2-3/4"                                  |
| 3    | 70645320 | 12   | NUT, elastic stop, 5/8"NF                               |
| 4    | 70666514 | 1    | SHAFT, bevel gear (Tractor prior to unit #12686)        |
|      | 70663507 | 1    | SHAFT, bevel gear (Tractor unit #12686 and up)          |
| 5    | 70663581 | 1    | RING, locking, bevel gear bolts                         |
| 6    | 70051630 | 2    | CONE ASSY., shaft bearing                               |
| 7    | 70050276 | 2    | CUP, shaft bearing                                      |
| 8    | 70623930 | 2    | CAGE ASSY., bearing (Includes item 10)                  |
| 9    | 70927522 | 12   | CAPSCREW, 1/2"NF x 1-3/4"                               |
|      | 70912441 | 12   | LOCKWASHER, 1/2"                                        |
| 10   | 70623933 | 4    | PIN, bearing cage                                       |
|      | 70059026 | 12   | SHIM, bearing adjustment (.005" thick. Use as required) |
| 11   | 70059025 | 10   | SHIM, bearing adjustment (.007" thick. Use as required) |
|      | 70059024 | 10   | SHIM, bearing adjustment (.010" thick. Use as required) |

(Revised September 1979)

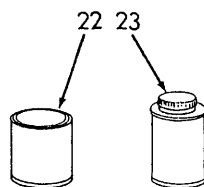




STANDARD SPROCKET GUARDS



SPECIAL SERVICE SPROCKET GUARD



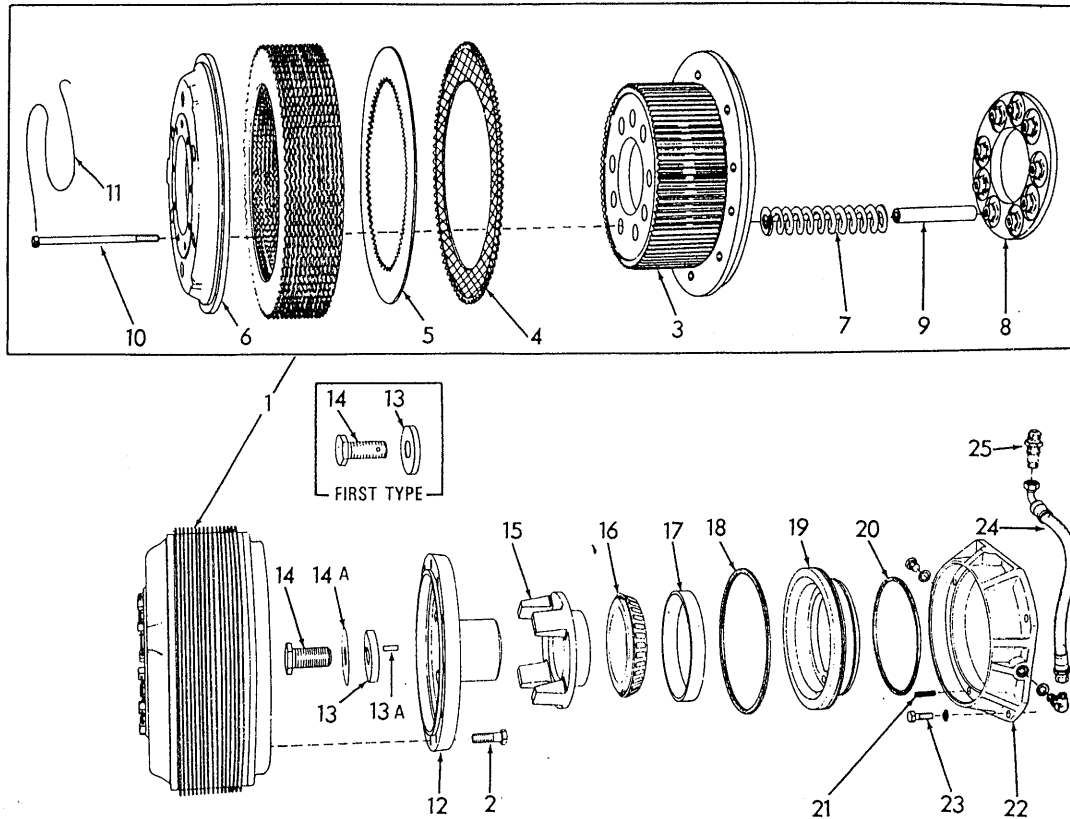
FINAL DRIVE OUTBOARD BEARING AND SEAL

T-75716

# FINAL DRIVE OUTBOARD BEARING AND SEAL

| ITEM | PART NO.   | QTY. | DESCRIPTION                                                                                     |                                           |
|------|------------|------|-------------------------------------------------------------------------------------------------|-------------------------------------------|
| 1    | 70082316   | 2    | CAP, outboard bearing                                                                           |                                           |
| 2    | 70927574   | 6    | CAPSCREW, 1/2"NF x 1-3/8"                                                                       |                                           |
|      | 70912441   | 6    | LOCKWASHER, 1/2"                                                                                |                                           |
| 3    | 70921597   | 12   | CAPSCREW, 5/8"NC x 3"                                                                           |                                           |
|      | 70912942   | 12   | LOCKWASHER, 5/8"                                                                                |                                           |
| 4    | { 70082358 | 4    | SHIM, outboard bearing cap (.005" thick)                                                        | } Use as required                         |
|      | { 70082357 | 4    | SHIM, outboard bearing cap (.007" thick)                                                        |                                           |
|      | { 70082356 | 8    | SHIM, outboard bearing cap (.010" thick)                                                        |                                           |
| 5    | 70082311   | 2    | NUT, retaining, outboard bearing                                                                |                                           |
|      | 70904016   | 2    | PIN, cotter, 3/8" x 4"                                                                          |                                           |
| 6    | 70082306   | 2    | BEARING, roller, outboard (Each consists of 1 roller assy. and 2 cups)(Serviced only as a unit) |                                           |
| 7    | 70082327   | 2    | CAGE, outboard bearing                                                                          |                                           |
| 8    | 70069761   | 12   | SHIM, outboard bearing cage (.015" thick. Use as required)                                      |                                           |
| 9    | 70084432   | 6    | <input type="checkbox"/> PIN, locating, seal ring                                               |                                           |
| 10   | 70082309   | 2    | <input type="checkbox"/> GASKET, seal ring                                                      |                                           |
| 11   | 70082303   | 4    | <input type="checkbox"/> RING, seal                                                             |                                           |
| 12   | 70082317   | 2    | <input type="checkbox"/> FOLLOWER ASSY., seal (Serviced only as a unit)                         |                                           |
| 13   | 70082312   | 2    | <input type="checkbox"/> BOOT, seal                                                             |                                           |
| 14   | -----      | -    | SPROCKET (See SPROCKET, SHAFT AND GEAR)                                                         |                                           |
| 15   | { 70671645 | 1    | PLATE, front closure, left side                                                                 |                                           |
|      | { 70671646 | 1    | PLATE, front closure, right side                                                                |                                           |
| 16   | 70921411   | 6    | CAPSCREW, 5/8"NC x 1-1/2"                                                                       |                                           |
|      | 70677010   | 6    | WASHER, plain                                                                                   |                                           |
| 17   | { 70671643 | 1    | PLATE, rear closure, left side                                                                  |                                           |
|      | { 70671644 | 1    | PLATE, rear closure, right side                                                                 |                                           |
| 18   | 70921411   | 4    | CAPSCREW, 5/8"NC x 1-1/2"                                                                       |                                           |
|      | 70677010   | 4    | WASHER, plain                                                                                   |                                           |
| 19   | { 70680987 | 1    | GUARD, sprocket, left                                                                           |                                           |
|      | { 70680988 | 1    | GUARD, sprocket, right                                                                          |                                           |
|      | 70921535   | 10   | CAPSCREW, 5/8"NC x 1-3/4"                                                                       |                                           |
|      | 70912942   | 10   | LOCKWASHER, 5/8"                                                                                |                                           |
| 20   | { 70680991 | 1    | ANGLE, guard supporting, left front                                                             | } Special For Severe Service Applications |
|      | { 70680992 | 1    | ANGLE, guard supporting, right front                                                            |                                           |
|      | 70921535   | 4    | CAPSCREW, 5/8"NC x 1-3/4"                                                                       |                                           |
|      | 70912942   | 4    | LOCKWASHER, 5/8"                                                                                |                                           |
| 21   | { 70680995 | 1    | ANGLE, guard supporting, left rear                                                              |                                           |
|      | { 70680996 | 1    | ANGLE, guard supporting, right rear                                                             |                                           |
|      | 70921535   | 2    | CAPSCREW, 5/8"NC x 1-3/4"                                                                       |                                           |
|      | 70912942   | 2    | LOCKWASHER, 5/8"                                                                                |                                           |
| 22   | 70033288   | -    | CEMENT, neoprene, 1/2 pint can                                                                  | } For cementing boots and gaskets         |
| 23   | 70054890   | -    | SOLVENT, neoprene cement, 1/2 pint can                                                          |                                           |
| 24   | 70091979   | 2    | SEAL KIT, final drive (Includes parts for one (1) side only; items 9 thru 13)                   |                                           |

☐ Components of item 24



# STEERING CLUTCHES

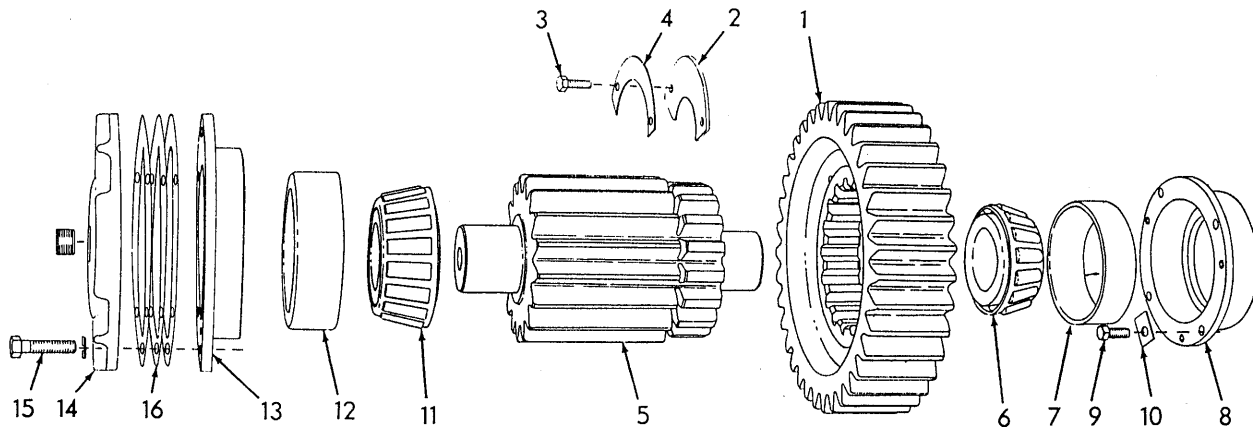
T33464

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                   |
|------|----------|------|-------------------------------------------------------------------------------|
| 1    | 70623927 | 2    | CLUTCH ASSY. (Consists of items 3 thru 11)                                    |
| 2    | 70650813 | 20   | BOLT, self-locking, 5/8"NC x 1-7/8"                                           |
| 3    | 70650622 | 2    | HUB, steering clutch                                                          |
| 4    | 70623877 | 30   | DISC, friction (bimetallic)                                                   |
| 5    | 70623876 | 32   | DISC, friction (steel) (Use as required)                                      |
| 6    | 70059048 | 2    | PLATE, pressure                                                               |
| 7    | 70623878 | 18   | SPRING, pressure                                                              |
| 8    | 70059035 | 2    | PLATE, throwout                                                               |
| 9    | 70623879 | 18   | SPACER, throwout plate                                                        |
| 10   | 70929079 | 18   | CAPSCREW, plate (drilled-hd., 1/2"NF x 6-1/2")                                |
| 11   | 70023756 | 4    | WIRE, locking, 1/16" x 26"                                                    |
| 12   | 70623516 | 2    | HUB, driving                                                                  |
| 13   | 70666547 | 2    | WASHER, hub retaining (Tractor prior to unit #12686)                          |
|      | 70663245 | 2    | WASHER ASSY., hub retaining (Includes item 13A) (Tractors unit #12686 and up) |

(Continued)

STEERING CLUTCHES (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                                |
|------|----------|------|--------------------------------------------------------------------------------------------|
| 13A  | 70035793 | 2    | DOWEL, hub washer (Tractors unit #12686 and up)                                            |
| 14   | 70663117 | 2    | CAPSCREW, hub retaining (self-locking) (Tractors prior to unit #12686)                     |
|      | 70684479 | 2    | CAPSCREW, hub retaining (Tractors unit #12686 and up)                                      |
| 14A  | 70684480 | 2    | LOCK, hub retaining capscREW (Tractors unit #12686 and up)                                 |
| 15   | 70623932 | 2    | SLEEVE, throwout                                                                           |
| 16   | 70623007 | 2    | CONE ASSY., clutch throwout bearing                                                        |
| 17   | 70623008 | 2    | CUP, clutch throwout bearing                                                               |
| 18   | 70623003 | 2    | RING, sealing, actuating piston, outer                                                     |
| 19   | 70623929 | 2    | PISTON, actuating                                                                          |
| 20   | 70623004 | 2    | RING, sealing, actuating piston, inner                                                     |
| 21   | 70040475 | 6    | SPRING, throwout bearing ring                                                              |
| 22   | 70642448 | 2    | RING, collector                                                                            |
|      | 70921573 | 2    | PLUG, hex-hd., 3/4"NF (Includes O-RING)                                                    |
|      | 70921349 | 2    | O-RING (13/16"O. D.)                                                                       |
| 23   | 70920574 | 6    | CAPSCREW, 1/2"NC x 1-3/8"                                                                  |
|      | 70912441 | 6    | LOCKWASHER, 1/2"                                                                           |
| 24   | 70645236 | 2    | HOSE, oil pressure (See HOSE PARTS)                                                        |
|      | 70921402 | 2    | ELBOW, adjustable, 90°, flare type, 1/2" tube, 3/4"NF<br>(Includes washer, nut and O-RING) |
|      | 70921349 | 2    | O-RING (13/16" O. D.)                                                                      |
| 25   | -----    | 2    | UNION, bulkhead (See STEERING CONTROL VALVE AND LINES)                                     |

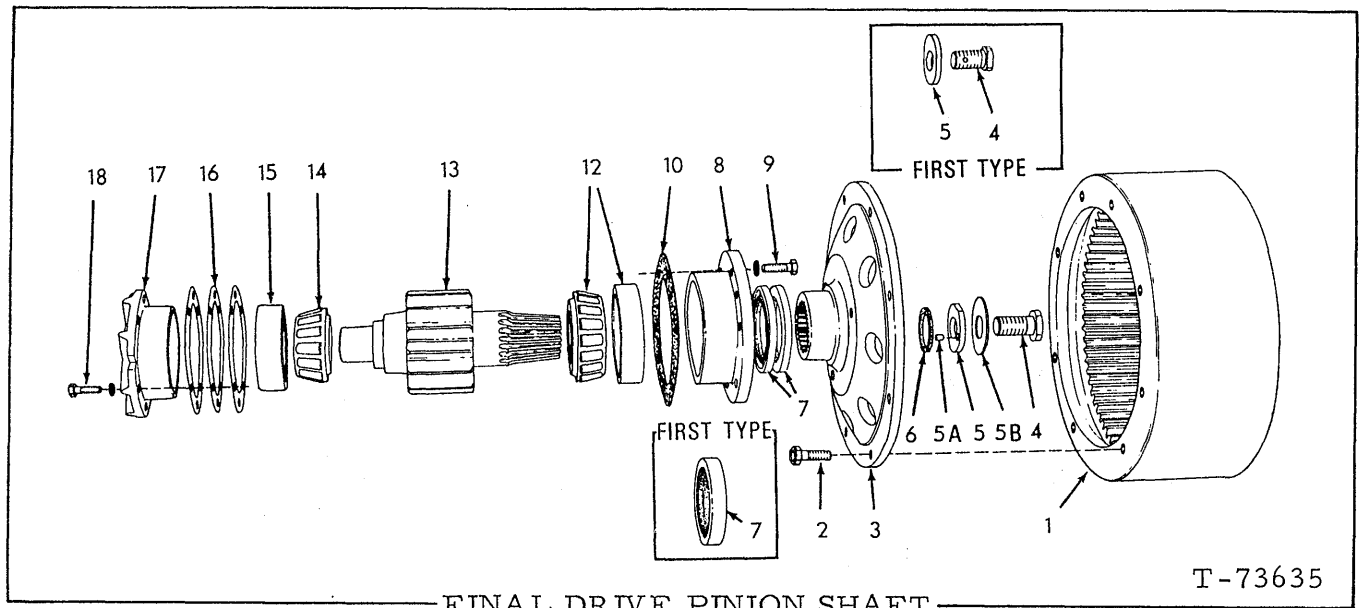


FINAL DRIVE INTERMEDIATE GEARS

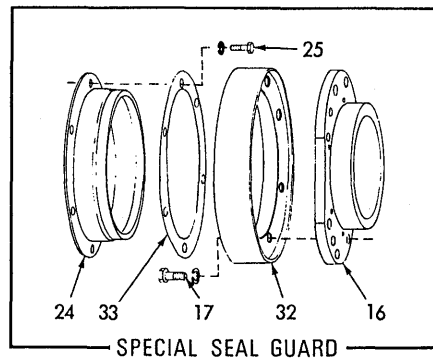
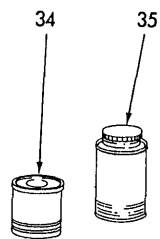
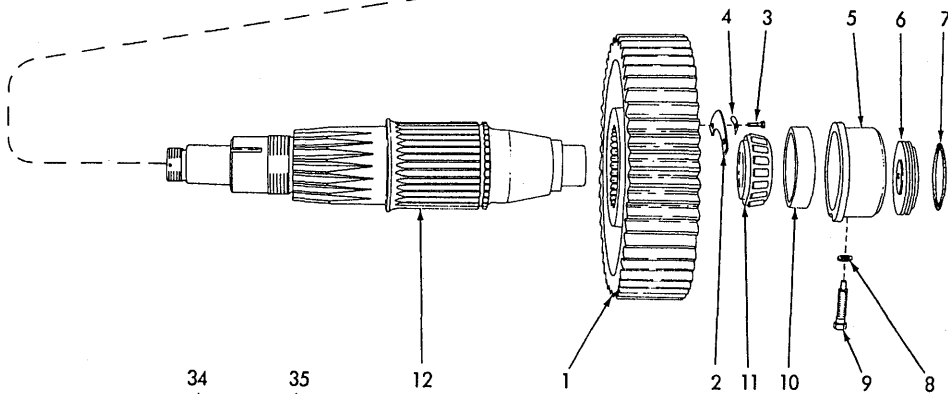
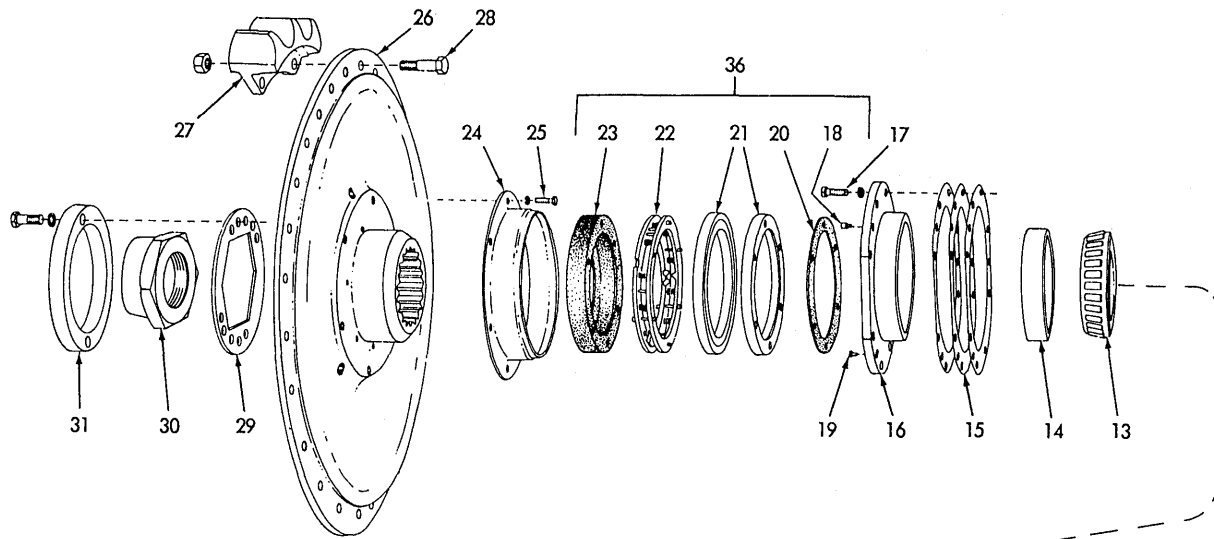
T-4038

| ITEM | PART NO. | QTY. | DESCRIPTION                 |
|------|----------|------|-----------------------------|
| 1    | 70651892 | 2    | GEAR (29 teeth)             |
| 2    | 70650477 | 4    | LOCK, gear                  |
| 3    | 70922763 | 8    | CAPSCREW, 3/8"NC x 1"       |
| 4    | 70650476 | 4    | LOCK, cap screw             |
| 5    | 70651903 | 2    | PINION (13 teeth)           |
| 6    | 70052071 | 2    | CONE ASSY., inner bearing   |
| 7    | 70052070 | 2    | CUP, inner bearing          |
| 8    | 73111238 | 2    | CAGE, inner bearing cup     |
| 9    | 70922763 | 8    | CAPSCREW, 3/8"NC x 1"       |
| 10   | 70049936 | 8    | LOCK, cap screw             |
| 11   | 70069327 | 2    | CONE ASSY., outer bearing   |
| 12   | 70604398 | 2    | CUP, outer bearing          |
| 13   | 70657771 | 2    | CAGE, outer bearing cup     |
| 14   | 70657772 | 2    | RETAINER, outer bearing     |
|      | 70901666 | 2    | PLUG, pipe, ctsk-hd., 1"NPT |
| 15   | 70921177 | 10   | CAPSCREW, 5/8"NF x 2-1/4"   |
|      | 70912942 | 10   | LOCKWASHER, 5/8"            |
| 16   | 70657768 | 4    | SHIM, bearing (.005" thick) |
|      | 70657769 | 4    | SHIM, bearing (.007" thick) |
|      | 70657770 | 12   | SHIM, bearing (.010" thick) |

} Use as required



| ITEM | PART NO. | QTY. | DESCRIPTION                                            |
|------|----------|------|--------------------------------------------------------|
| 1    | 70623928 | 2    | DRUM                                                   |
| 2    | 70650811 | 16   | BOLT, self-locking, 5/8"NC x 1-1/2"                    |
| 3    | 70623781 | 2    | HUB                                                    |
| 4    | 70663117 | 2    | CAPSCREW (self-locking)(Tractors prior to unit #12686) |
|      | 70684479 | 2    | CAPSCREW (Tractors unit #12686 and up)                 |
| 5    | 70666547 | 2    | WASHER (Tractors prior to unit #12686)                 |
|      | 70663245 | 2    | WASHER (Includes item 5A)(Tractors unit #12686 and up) |
| 5A   | 70035793 | 2    | DOWEL                                                  |
| 5B   | 70684480 | 2    | LOCK                                                   |
|      |          |      | } Tractors unit #12686 and up                          |
| 6    | 70623786 | 2    | SEAL                                                   |
| 7    | 70623784 | 2    | SEAL (Tractors prior to unit #14039)                   |
|      | 70695217 | 4    | SEAL (Tractor unit #14039 and up)                      |
| 8    | 70623782 | 2    | CAGE                                                   |
| 9    | 70922726 | 12   | CAPSCREW, 1/2"NF x 1-1/2"                              |
|      | 70912441 | 12   | LOCKWASHER, 1/2"                                       |
| 10   | 70058875 | 2    | GASKET                                                 |
| 12   | 70681367 | 2    | CUP AND CONE ASSY. (Consists of matched Cup and Cone)  |
| 13   | 70666513 | 2    | PINION (12 teeth)(Tractors prior to unit #12686)       |
|      | 70651110 | 2    | PINION (12 teeth)(Tractors unit #12696 and up)         |
| 14   | 70643276 | 2    | CONE ASSY.                                             |
| 15   | 70643275 | 2    | CUP                                                    |
| 16   | 70058843 | 4    | SHIM (.005" thick)                                     |
|      | 70058842 | 4    | SHIM (.007" thick)                                     |
|      | 70058841 | 14   | SHIM (.010" thick)                                     |
|      |          |      | } Use as required                                      |
| 17   | 70083792 | 2    | CAGE                                                   |
| 18   | 70922726 | 8    | CAPSCREW, 1/2"NF x 1-1/2"                              |
|      | 70912441 | 8    | LOCKWASHER, 1/2"                                       |



FINAL DRIVE SPROCKET, SHAFT AND GEAR

T-75717

# FINAL DRIVE SPROCKET, SHAFT AND GEAR

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                   |
|------|----------|------|-------------------------------------------------------------------------------|
| 1    | 70671622 | 2    | GEAR (41 teeth)                                                               |
| 2    | 70052161 | 4    | LOCK, gear                                                                    |
| 3    | 70922763 | 8    | CAPSCREW, 3/8"NC x 1"                                                         |
| 4    | 70052444 | 8    | LOCK, capscREW                                                                |
| 5    | 70067534 | 2    | CAGE, inner bearing                                                           |
| 6    | 70091572 | 2    | COVER, inner bearing                                                          |
| 7    | 70923821 | 2    | O-RING, inner bearing cover                                                   |
| 8    | 70049918 | 2    | WASHER, bearing cage setscrew (copper)                                        |
| 9    | 70067348 | 2    | SETSCREW, bearing cage (hex-hd., dog-pt., 5/8"NF x 3"                         |
| 10   | 70069328 | 2    | CUP, inner bearing                                                            |
| 11   | 70069441 | 2    | CONE ASSY., inner bearing                                                     |
| 12   | 70671212 | 2    | SHAFT, sprocket (Tractors prior to unit #15024)                               |
|      | 73111757 | 2    | SHAFT, sprocket (Tractor unit #15024 and up)                                  |
| 13   | 70082307 | 2    | CONE ASSY., intermediate bearing                                              |
| 14   | 70082308 | 2    | CUP, intermediate bearing                                                     |
| 15   | 70067518 | 4    | SHIM, bearing adjustment (.005" thick. Use as required)                       |
|      | 70067519 | 4    | SHIM, bearing adjustment (.007" thick. Use as required)                       |
|      | 70067520 | 26   | SHIM, bearing adjustment (.010" thick. Use as required)                       |
| 16   | 70082310 | 2    | CAGE ASSY., intermediate bearing cup (Includes item 18 and 19)                |
| 17   | 70921168 | 16   | CAPSCREW, 5/8"NF x 2"                                                         |
|      | 70912942 | 16   | LOCKWASHER, 5/8"                                                              |
| 18   | 70084432 | 6    | <input type="checkbox"/> PIN, locating, seal ring (9/16" long)                |
| 19   | 70080547 | 6    | <input type="checkbox"/> PIN, locating, seal ring (13/32" long)               |
| 20   | 70082320 | 2    | <input type="checkbox"/> GASKET, inner seal ring                              |
| 21   | 70082322 | 4    | <input type="checkbox"/> RING, inner seal                                     |
| 22   | 70669770 | 2    | <input type="checkbox"/> FOLLOWER ASSY., inner seal (Serviced only as a unit) |
| 23   | 70082323 | 2    | <input type="checkbox"/> BOOT, inner seal                                     |
| 24   | 70082321 | 2    | GUARD, seal                                                                   |
| 25   | 70921175 | 12   | CAPSCREW, 1/2"NC x 1"                                                         |
|      | 70912441 | 12   | LOCKWASHER, 1/2"                                                              |
| 26   | 70671624 | 2    | HUB, sprocket segment (Tractors prior to unit #11515)                         |
|      | 70679538 | 2    | HUB, sprocket segment (Tractors unit #11515 and up)                           |
| 27   | 70669330 | 18   | SEGMENT, sprocket (Tractors prior to unit #11515)                             |
|      | 70679520 | 18   | SEGMENT, sprocket (Tractors unit #11515 thru 15193)                           |
|      | 70698856 | 18   | SEGMENT, sprocket (Tractor unit #15194 and up)                                |
| 28   | 70097324 | 54   | BOLT, sprocket segment                                                        |
|      | 70012767 | 54   | NUT, high, 3/4"NF } Tractors prior to unit #11515                             |
|      | 70679522 | 54   | BOLT, sprocket segment                                                        |
|      | 70679521 | 54   | NUT, 3/4"NF } Tractors unit #11515 and up.                                    |

☐ Indicates component of item 36

(Continued)

(Revised August 1980)

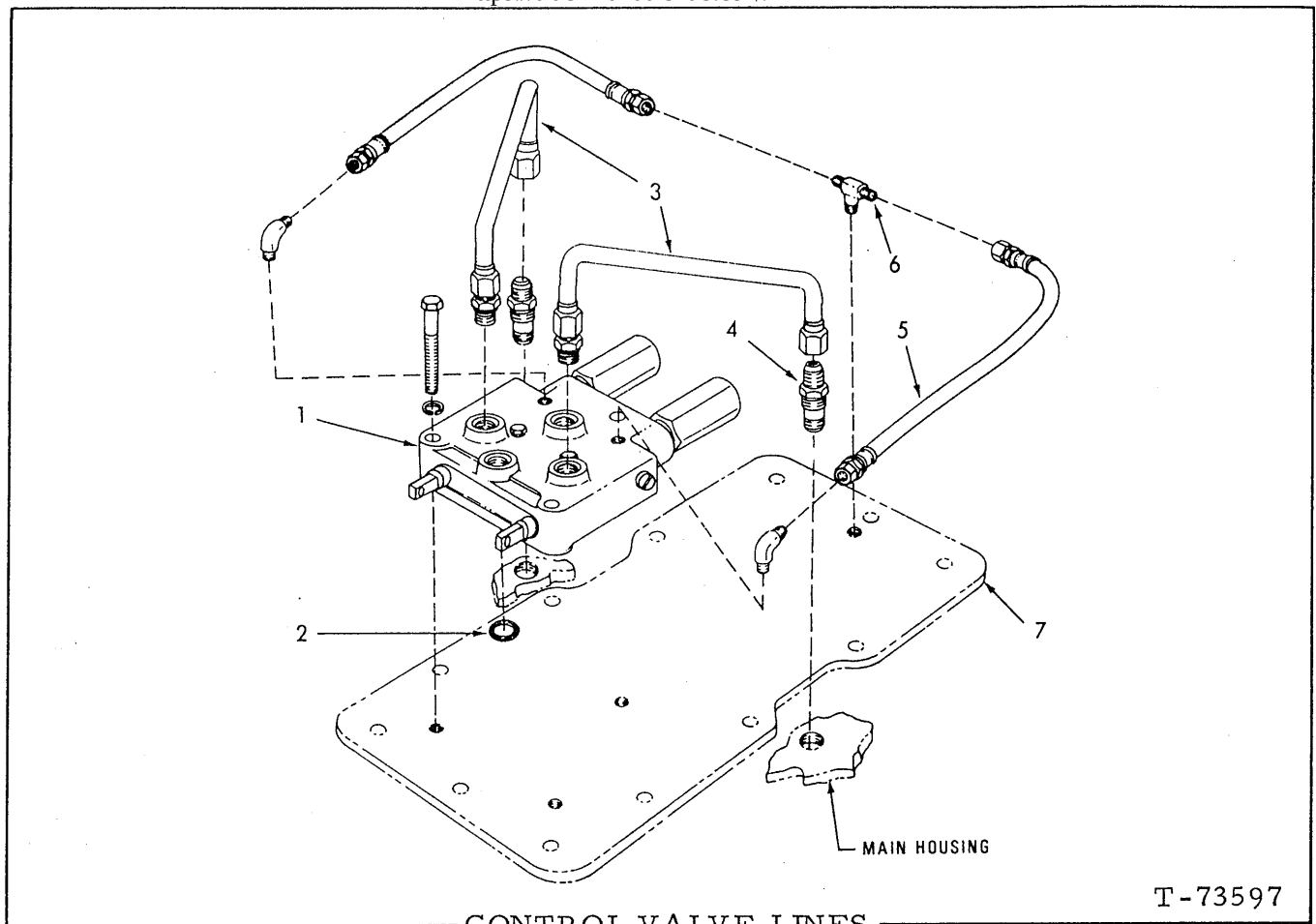


FINAL DRIVE SPROCKET, SHAFT AND GEAR (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                      |
|------|----------|------|----------------------------------------------------------------------------------|
| 29   | 70082315 | 2    | LOCK, sprocket retaining nut                                                     |
| 30   | 70082318 | 2    | NUT, sprocket retaining                                                          |
| 31   | 70630056 | 2    | RING, nut protecting                                                             |
|      | 70920583 | 4    | CAPSCREW, 1/2"NC x 1-1/2"                                                        |
|      | 70912441 | 4    | LOCKWASHER, 1/2"                                                                 |
| 32   | 70678677 | 2    | GUARD, seal                                                                      |
| 33   | 70678674 | 2    | RING, seal guard                                                                 |
| 34   | 70033288 | -    | CEMENT, neoprene, 1/2 pint can                                                   |
| 35   | 70054890 | -    | SOLVENT, neoprene cement, 1/2 pint can                                           |
| 36   | 70091978 | 2    | SEAL KIT, final drive (Includes parts for one (1) side only;<br>item 18 thru 23) |

} Special

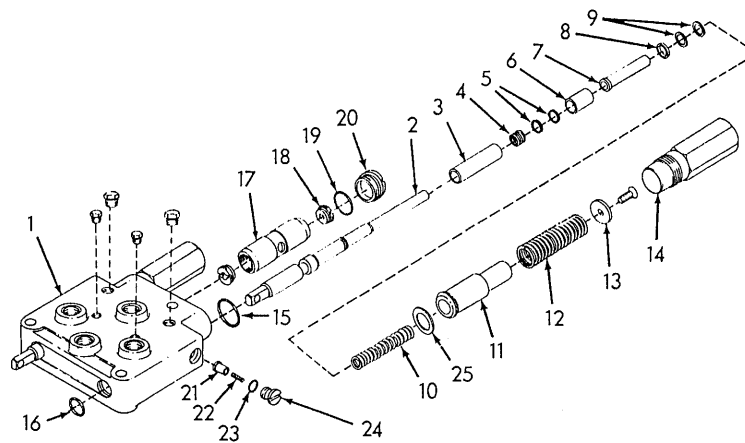
} For cementing boots and gaskets



T-73597

CONTROL VALVE LINES

| ITEM | PART NO. | QTY. | DESCRIPTION                                                            |
|------|----------|------|------------------------------------------------------------------------|
| 1    | -----    | 1    | VALVE ASSY., control (See pages 170 and 172)                           |
|      | 70923687 | 3    | CAPSCREW, 3/8"NF x 2-3/4"                                              |
|      | 70910287 | 3    | LOCKWASHER, 3/8"                                                       |
| 2    | 70923947 | 1    | O-RING, valve to compartment cover                                     |
| 3    | 70666804 | 2    | TUBE ASSY., clutch control (Includes nuts)                             |
|      | 70921409 | 2    | CONNECTOR, flare type, 1/2" tube, 3/4"NF<br>male end (Includes O-RING) |
|      | 70921349 | 2    | O-RING, connector                                                      |
| 4    | 70669565 | 2    | UNION, bulkhead                                                        |
| 5    | 70646340 | 2    | HOSE, oil return (See HOSE PARTS)                                      |
|      | 70919546 | 2    | ELBOW, flare type, 90°, 1/4" tube, 1/4"NPT male                        |
| 6    | 70919773 | 1    | TEE, oil return hose (flare type, 1/4" tube, 1/8"NPT<br>male side)     |
| 7    | -----    | -    | COVER, bevel gear compartment (See MAIN<br>HOUSING)                    |



T-72413

CONTROL VALVE ASSEMBLY

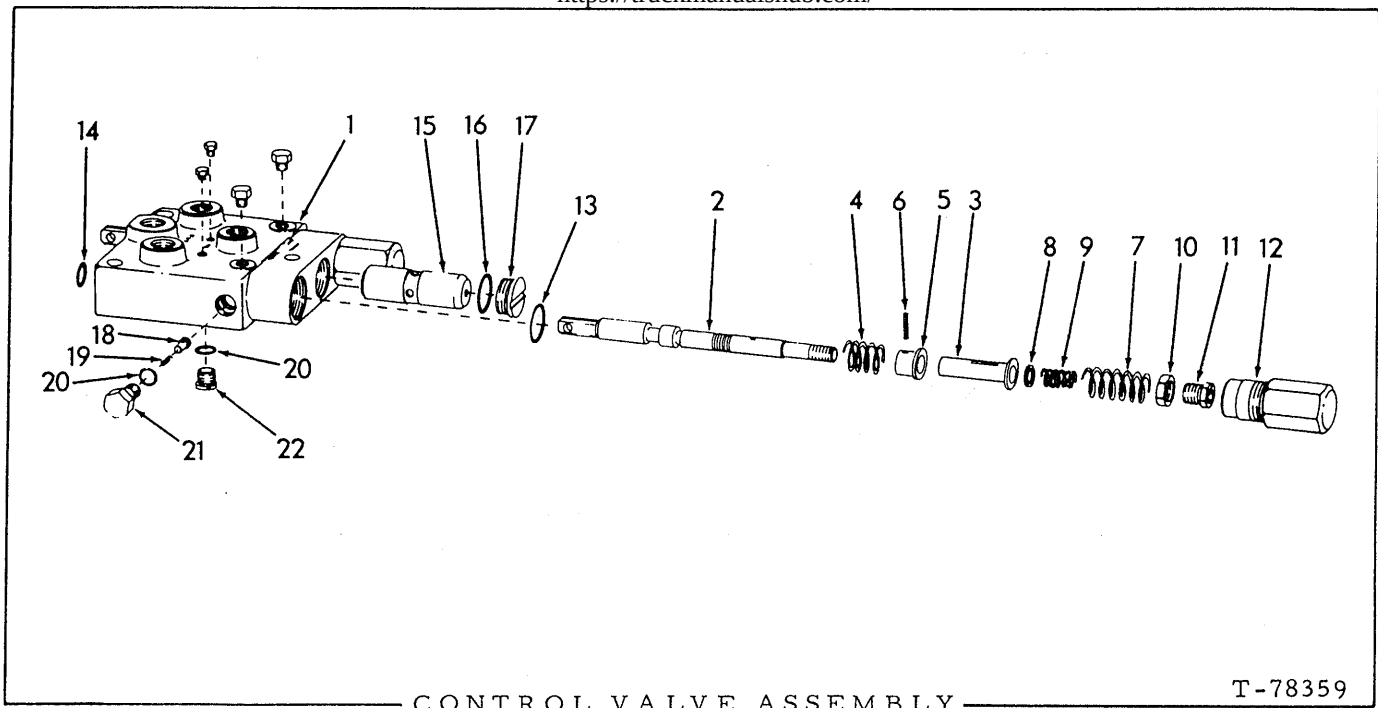
USAGE: See page 169. Tractor prior to serial No. 19S12587

| ITEM | PART NO.   | QTY. | DESCRIPTION                                     |                 |
|------|------------|------|-------------------------------------------------|-----------------|
| -    | 70651739   | 1    | VALVE ASSY., control (Includes item 1 thru 25)  |                 |
| 1    | -----      | 1    | BODY (Not serviced separately)                  |                 |
|      | 70919134   | 2    | PLUG, pipe, hex-hd., 1/8"NPT                    |                 |
|      | 70919840   | 2    | PLUG, pipe, hex-hd., 1/4"NPT                    |                 |
| 2    | -----      | 2    | PLUNGER (Not serviced separately)               |                 |
| 3    | 70651564   | 2    | PISTON, pressure regulating                     |                 |
| 4    | 70651569   | 4    | SPRING, pressure regulating (short)             |                 |
| 5    | { 70651576 | -    | SHIM, pressure adjustment (.015" thick)         | Use as required |
|      | 70651577   | -    | SHIM, pressure adjustment (.005" thick)         |                 |
| 6    | 70651571   | 2    | SLEEVE, valve plunger (outer)                   |                 |
| 7    | 70651572   | 2    | SLEEVE, valve plunger (inner)                   |                 |
| 8    | 70651573   | 2    | WASHER, valve plunger                           |                 |
| 9    | { 70651574 | -    | SHIM, pressure adjustment (.015" thick)         | Use as required |
|      | 70651575   | -    | SHIM, pressure adjustment (.005" thick)         |                 |
| 10   | 70661676   | 2    | SPRING, pressure regulating (long)              |                 |
| 11   | 70651565   | 2    | SLEEVE, plunger return spring                   |                 |
| 12   | 70651570   | 2    | SPRING, plunger return                          |                 |
| 13   | 70651567   | 2    | WASHER, end, valve plunger                      |                 |
|      | 70924989   | 2    | SCREW, machine, flat-hd., 1/4"NF x 7/8"         |                 |
| 14   | 70651566   | 2    | CAP, valve plunger                              |                 |
| 15   | 70924416   | 2    | O-RING, valve body (large)                      |                 |
| 16   | 70923645   | 2    | O-RING, valve body (small)                      |                 |
| 17   | -----      | 1    | PLUNGER, flow divider (Not serviced separately) |                 |

(Continued)

<https://truckmanualshub.com/>  
CONTROL VALVE ASSEMBLY (Continued)

| ITEM. | PART NO. | QTY. | DESCRIPTION                                 |
|-------|----------|------|---------------------------------------------|
| 18    | 70660057 | 2    | PLUG, orifice, flow divider plunger         |
| 19    | 70923988 | 1    | O-RING, flow divider plug                   |
| 20    | 70654523 | 1    | PLUG ASSY., flow divider (Includes item 19) |
| 21    | 70656190 | 2    | PLUNGER, relief valve                       |
| 22    | 70656192 | 2    | SPRING, relief valve                        |
| 23    | 70923663 | 2    | O-RING, relief valve plug                   |
| 24    | 70656191 | 2    | PLUG ASSY., relief valve (Includes item 23) |
| 25    | 70663123 | -    | SHIM, plunger clearance (Use as required)   |



CONTROL VALVE ASSEMBLY

T-78359

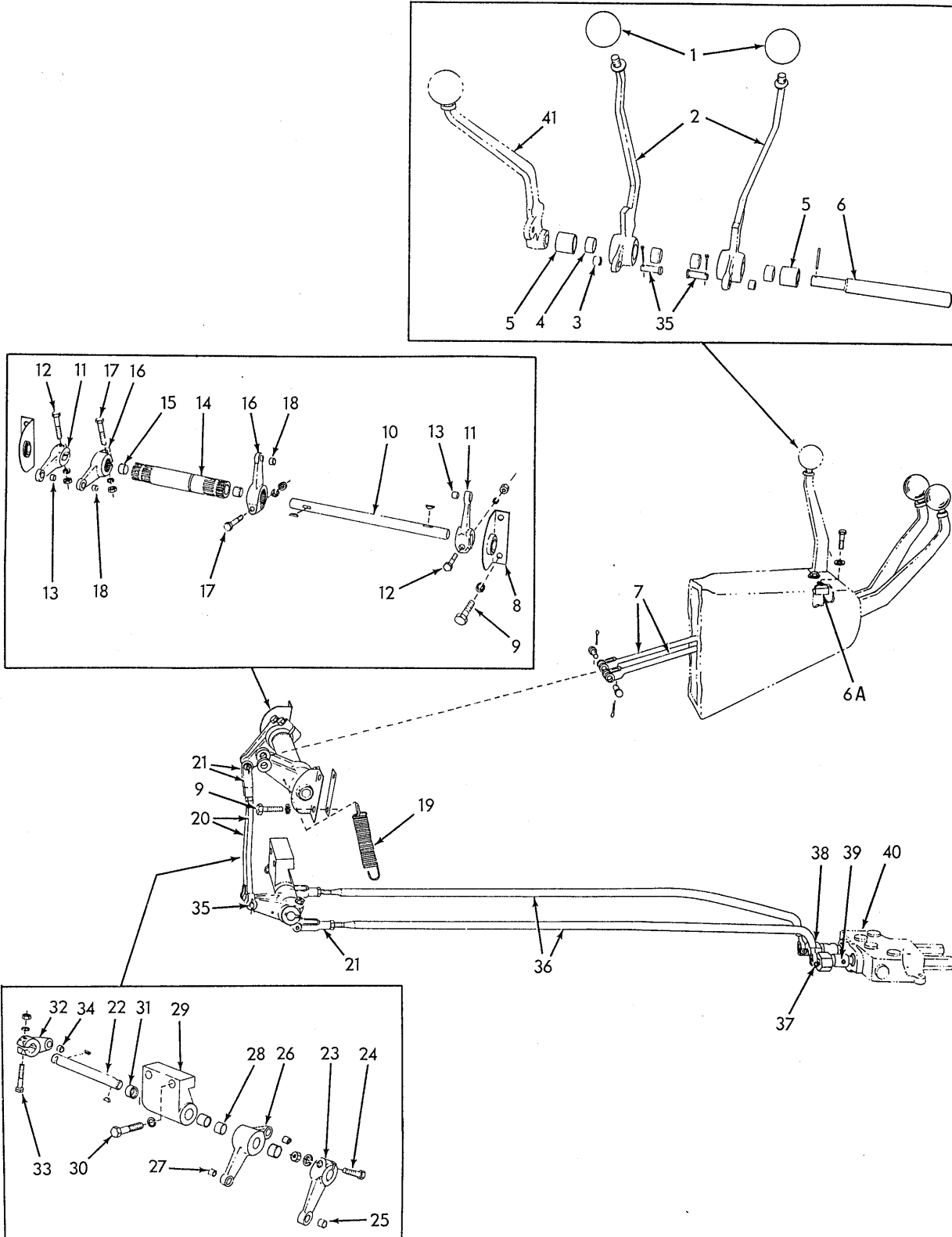
USAGE: See page 169. Tractor serial No. 19S12587 and up

| ITEM | PART NO. | QTY. | DESCRIPTION                                     |
|------|----------|------|-------------------------------------------------|
| -    | 70688101 | 1    | VALVE ASSY., control (Includes items 1 thru 22) |
| 1    | -----    | 1    | BODY (Not serviced separately)                  |
|      | 70919134 | 2    | PLUG, pipe, hex-hd., 1/8" NPT                   |
|      | 70919840 | 2    | PLUG, pipe, hex-hd., 1/4" NPT                   |
| 2    | -----    | 2    | PLUNGER (Not serviced separately)               |
| 3    | 70677636 | 2    | SLEEVE, valve plunger                           |
| 4    | 70677643 | 2    | SPRING                                          |
| 5    | 70677637 | 2    | BUSHING                                         |
| 6    | 70916168 | 2    | PIN, spring, 1/8" x 3/4"                        |
| 7    | 70684654 | 2    | SPRING                                          |
| 8    | 70677641 | 2    | WASHER, spring retaining                        |
| 9    | 70677642 | 2    | SPRING                                          |
| 10   | 70677639 | 2    | NUT, adjusting                                  |
| 11   | 70677638 | 2    | RETAINER, spring                                |
| 12   | 70677634 | 2    | CAP, valve plunger                              |
| 13   | 70924416 | 2    | O-RING (large)                                  |
| 14   | 70923645 | 2    | O-RING (small)                                  |

(Continued)

CONTROL VALVE ASSEMBLY (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                     |
|------|----------|------|-------------------------------------------------|
| 15   | -----    | 1    | PLUNGER, flow divider (Not serviced separately) |
| 16   | 70923988 | 1    | O-RING, flow divider plug                       |
| 17   | 70654523 | 1    | PLUG ASSY., flow divider (Includes item 16)     |
| 18   | 70656190 | 2    | PLUNGER, relief valve                           |
| 19   | 70656192 | 2    | SPRING, relief valve                            |
| 20   | 70923663 | 3    | O-RING, relief valve plug                       |
| 21   | 70684864 | 2    | PLUG ASSY., relief valve (Includes item 20)     |
| 22   | 71002154 | 1    | PLUG ASSY. (Includes item 20)                   |



T-75093

## STEERING LEVERS AND LINKAGE

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STEERING LEVERS AND LINKAGE

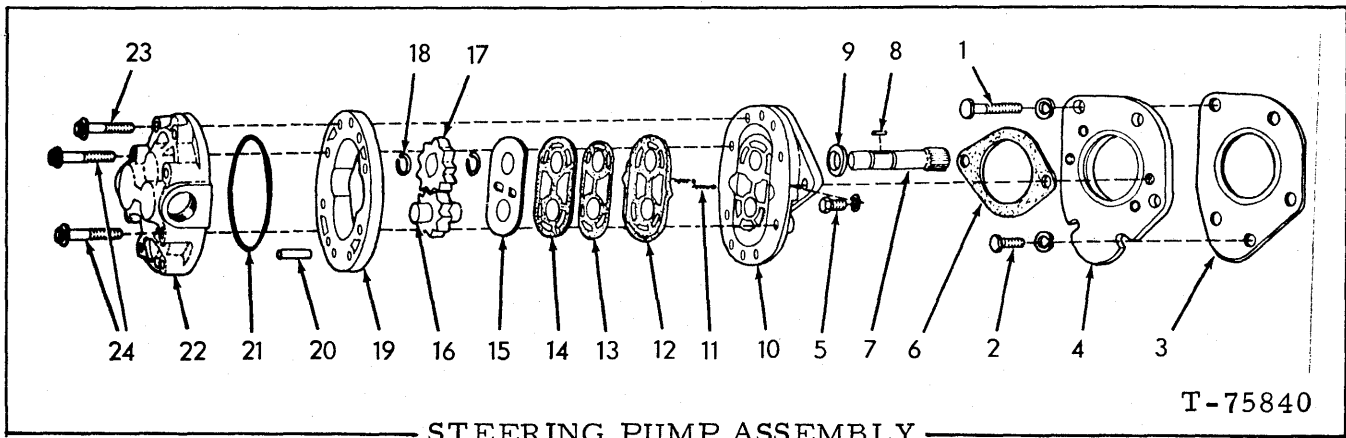
| ITEM | PART NO.   | QTY. | DESCRIPTION                                                 |
|------|------------|------|-------------------------------------------------------------|
| 1    | 70090020   | 2    | KNOB, steering lever                                        |
| 2    | { 70630847 | 1    | LEVER ASSEMBLY, steering, left (Includes items 3 and 4)     |
|      | { 70630848 | 1    | LEVER ASSEMBLY, steering, right (Includes items 3 and 4)    |
| 3    | 70624584   | 2    | BUSHING, steering lever (small)                             |
| 4    | 70630795   | 4    | BUSHING, steering lever (large)                             |
| 5    | 70075053   | 2    | SPACER, steering levers                                     |
| 6    | 70666261   | 1    | SHAFT, steering levers                                      |
|      | 70915797   | 1    | PIN, spring, 3/16" x 1-1/4"                                 |
| 6A   | 70662487   | 1    | BLOCK, lever stop                                           |
|      | 70922763   | 2    | CAPSCREW, 3/8" x 3/4"                                       |
|      | 70677006   | 2    | WASHER, plain                                               |
| 7    | 70666259   | 2    | ROD, control, upper                                         |
| 8    | 70654656   | 2    | BEARING ASSEMBLY, upper cross shaft (Includes bushing)      |
| 9    | 70927211   | 4    | CAPSCREW, 3/8"NF x 3/4"                                     |
|      | 70910287   | 4    | LOCKWASHER, 3/8"                                            |
| 10   | 70629717   | 1    | SHAFT, cross, upper                                         |
|      | 70905123   | 2    | KEY, #9 woodruff, 3/16" x 3/4"                              |
| 11   | 70630837   | 2    | LEVER ASSEMBLY, upper cross shaft (Includes item 13)        |
| 12   | 70920995   | 2    | CAPSCREW, 3/8"NC x 2"                                       |
|      | 70910287   | 2    | LOCKWASHER, 3/8"                                            |
|      | 70911026   | 2    | NUT, 3/8"NC                                                 |
| 13   | 70624584   | 2    | BUSHING, upper cross shaft lever                            |
| 14   | 70648956   | 1    | TUBE ASSEMBLY, torque, upper cross shaft (Includes item 15) |
| 15   | 70630795   | 2    | BUSHING, torque tube                                        |
| 16   | 70630841   | 2    | LEVER ASSEMBLY, torque tube (Includes item 18)              |
| 17   | 70920996   | 2    | CAPSCREW, 3/8"NC x 2-1/4"                                   |
|      | 70910287   | 2    | LOCKWASHER, 3/8"                                            |
|      | 70911026   | 2    | NUT, 3/8"NC                                                 |
| 18   | 70624584   | 2    | BUSHING, torque tube lever                                  |
| 19   | 70043881   | 2    | SPRING, cross shaft lever                                   |
| 20   | 70666404   | 2    | ROD, control, vertical                                      |
|      | 70911041   | 2    | NUT, 3/8"NF                                                 |
| 21   | 70628736   | 4    | YOKE, control rod                                           |
| 22   | 70629454   | 1    | SHAFT, cross, lower                                         |
|      | 70905123   | 2    | KEY, #9 woodruff, 3/16" x 3/4"                              |
| 23   | 70630837   | 1    | LEVER ASSEMBLY, lower cross shaft, left (Includes item 25)  |
| 24   | 70920995   | 1    | CAPSCREW, 3/8"NC x 2"                                       |
|      | 70910287   | 1    | LOCKWASHER, 3/8"                                            |
|      | 70911026   | 1    | NUT, 3/8"NC                                                 |

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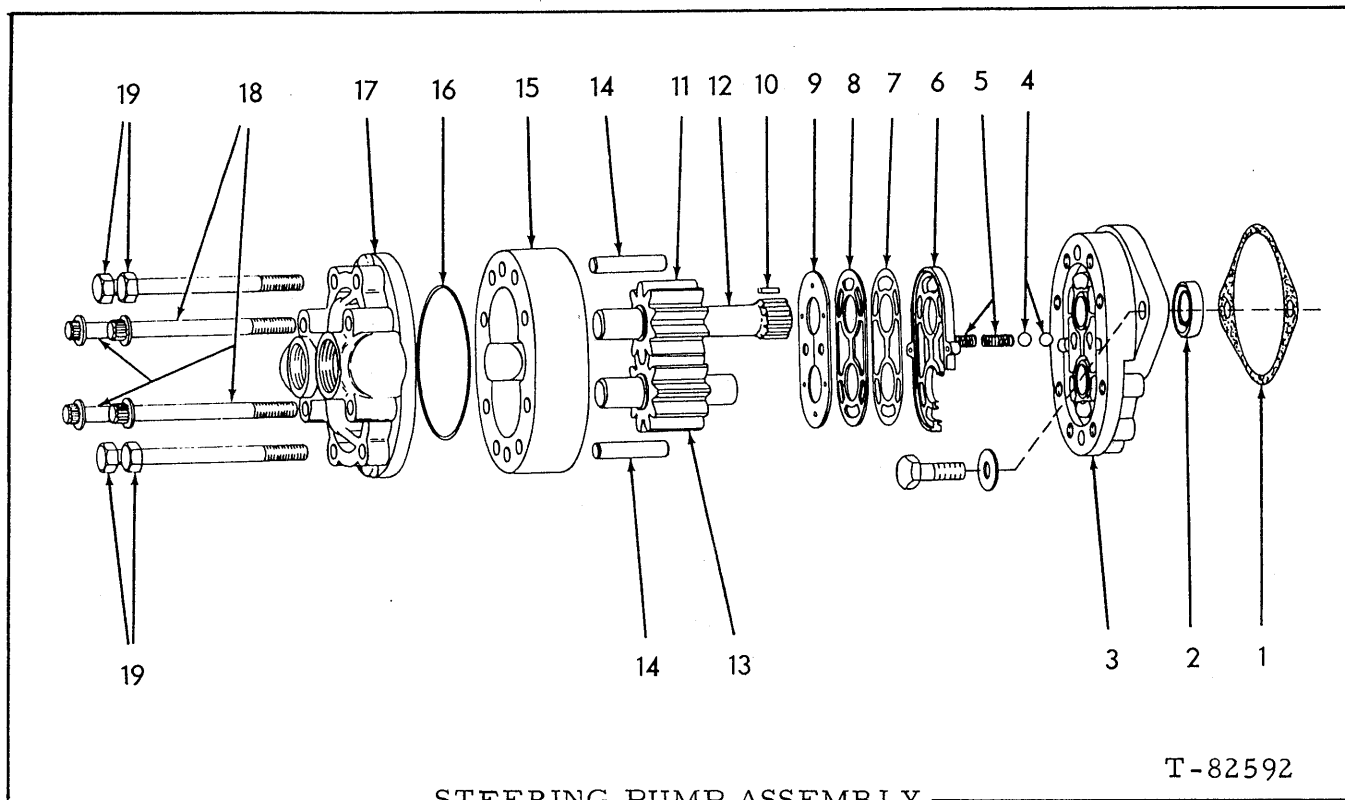
## STEERING LEVERS AND LINKAGE (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                                     |
|------|----------|------|-----------------------------------------------------------------|
| 25   | 70624584 | 1    | BUSHING, lower cross shaft lever                                |
| 26   | 70630852 | 1    | BELLCRANK ASSEMBLY, lower cross shaft (Includes item 27 and 28) |
| 27   | 70624584 | 2    | BUSHING, lower cross shaft bellcrank (small)                    |
| 28   | 70630795 | 2    | BUSHING, lower cross shaft bellcrank (large)                    |
| 29   | 70630850 | 1    | BRACKET ASSEMBLY, lower cross shaft (Includes item 31)          |
| 30   | 70915987 | 2    | CAPSCREW, 1/2"NC x 1-1/2"                                       |
|      | 70912441 | 2    | LOCKWASHER, 1/2"                                                |
| 31   | 70630795 | 2    | BUSHING, lower cross shaft bracket                              |
| 32   | 70630836 | 1    | LEVER ASSEMBLY, lower cross shaft, right (Includes item 34)     |
| 33   | 70910948 | 1    | CAPSCREW, 3/8"NC x 2"                                           |
|      | 70910287 | 1    | LOCKWASHER, 3/8"                                                |
|      | 70911026 | 1    | NUT, 3/8"NC                                                     |
| 34   | 70624584 | 1    | BUSHING, lower cross shaft lever                                |
| 35   | 70078810 | 10   | PIN, control linkage yokes                                      |
|      | 70900801 | 10   | PIN, cotter, 3/32" x 3/4"                                       |
| 36   | 70666807 | 1    | ROD, control, lower left                                        |
|      | 70666808 | 1    | ROD, control, lower right                                       |
|      | 70911041 | 2    | NUT, 3/8"NF                                                     |
| 37   | 70627451 | 2    | PIN, lower control rod                                          |
|      | 70900801 | 2    | PIN, cotter, 3/32" x 3/4"                                       |
| 38   | 70656151 | 2    | OVER-TRAVEL ASSEMBLY (Serviced only as a unit)                  |
| 39   | 70630833 | 2    | PIN, retaining, over-travel                                     |
|      | 70900801 | 2    | PIN, cotter, 3/132" x 3/4"                                      |
| 40   | -----    | 1    | VALVE, control (See CONTROL VALVE AND LINES)                    |
| 41   | -----    | 1    | LEVER, throttle (See THROTTLE CONTROL)                          |



USAGE: 17000 MKII engines. See page 179

| ITEM | PART NO. | QTY. | DESCRIPTION                            |
|------|----------|------|----------------------------------------|
| -    | 70666788 | 1    | PUMP ASSY. (Includes items 4 thru 25)  |
| 1    | 70922848 | 3    | CAPSCREW, 3/8"NC x 3-1/4"              |
|      | 70910287 | 3    | LOCKWASHER, 3/8"                       |
| 2    | 70921569 | 2    | CAPSCREW, 7/16"NC x 1-1/4"             |
|      | 70914678 | 2    | LOCKWASHER, 7/16"                      |
| 3    | 74371742 | 1    | GASKET, pump mounting                  |
| 4    | 70653932 | 1    | PLATE, adapting                        |
| 5    | 70922063 | 2    | CAPSCREW, 7/16"NC x 7/8"               |
|      | 70914678 | 2    | LOCKWASHER, 7/16"                      |
| 6    | 70656179 | 1    | GASKET, front plate                    |
| 7    | 70674534 | 1    | SHAFT, drive                           |
| 8    | 70685182 | 1    | KEY, pump gear                         |
| 9    | 70650677 | 1    | SEAL, oil                              |
| 10   | 70653929 | 1    | PLATE ASSY., front (Includes Bushings) |
| 11   | 70650679 | 2    | SPRING, check valve                    |
|      | 70915903 | 2    | BALL, steel, 7/32" diam.               |
| 12   | 70650673 | 1    | SEAL, front diaphragm                  |
| 13   | 70650676 | 1    | GASKET, diaphragm (thin)               |
| 14   | 70650675 | 1    | GASKET, diaphragm (thick)              |
| 15   | 70650674 | 1    | DIAPHRAGM, sealing, front              |
| 16   | 70674535 | 1    | GEAR ASSY., idler (Includes shaft)     |
| 17   | 70674536 | 1    | GEAR, pump                             |
| 18   | 70653936 | 2    | RING, snap, pump gear                  |
| 19   | 70674533 | 1    | BODY, center (Includes Bushings)       |
| 20   | 70927421 | 2    | PIN, dowel                             |
| 21   | 70926216 | 1    | O-RING, rear plate                     |
| 22   | 70674532 | 1    | PLATE, rear                            |
| 23   | 70935052 | 4    | CAPSCREW, 12 pt., 5/16"NC x 2"         |
| 24   | 70927422 | 4    | SCREW, 12 pt., 5/16"NC x 2-1/2"        |

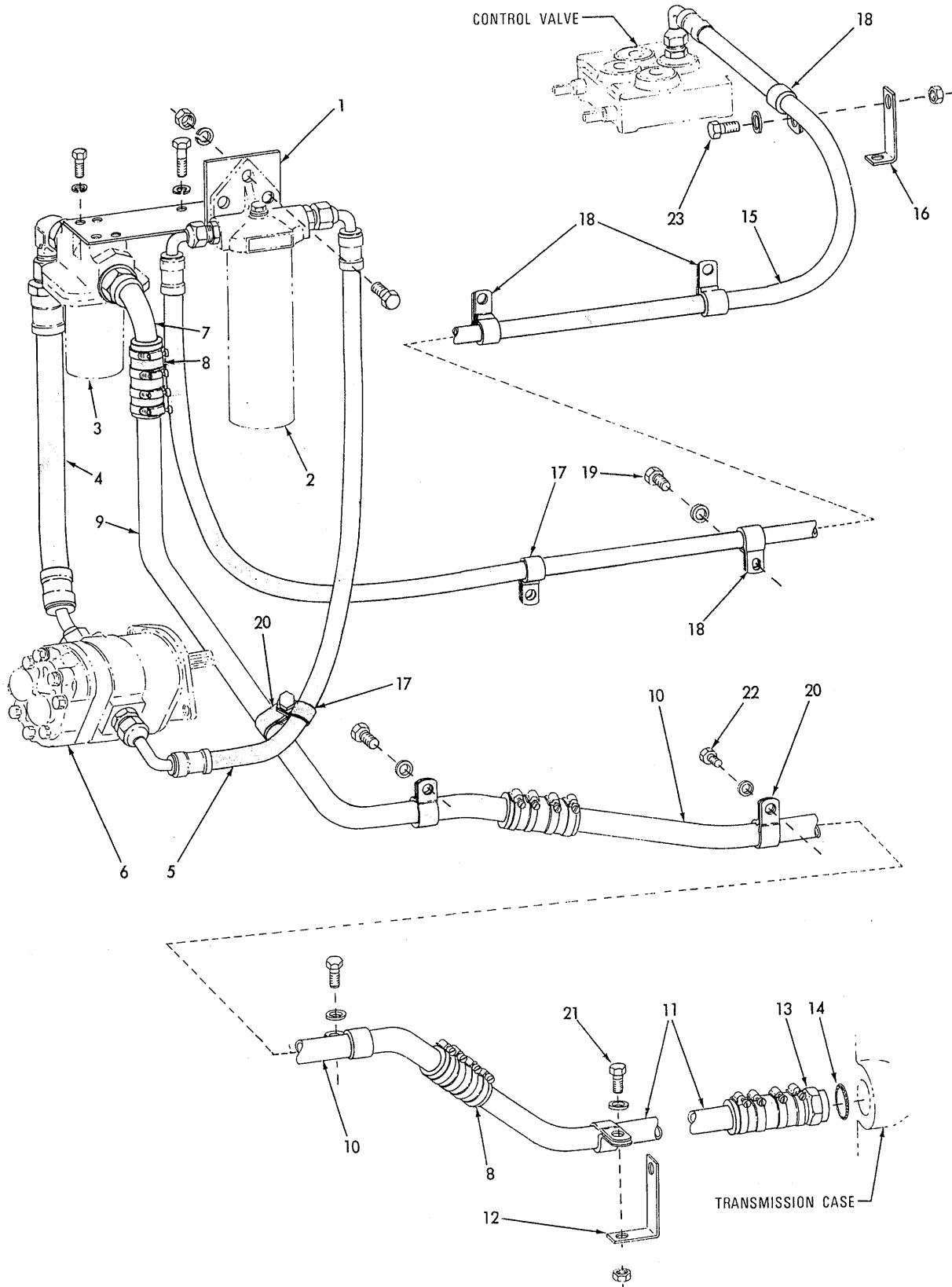


T-82592

# STEERING PUMP ASSEMBLY

USAGE: Tractor S/N 19S15213 and up with 6138 LT engine (See page 180B)

| ITEM | PART NO. | QTY. | DESCRIPTION                                           |
|------|----------|------|-------------------------------------------------------|
| -    | 73117231 | 1    | PUMP ASSY. (Includes items 1 thru 19)                 |
|      | 70923016 | 2    | CAPSCREW, 12-pt., 7/16"NC x 1-1/4"                    |
|      | 70930370 | 2    | WASHER                                                |
| 1    | 70674412 | 1    | GASKET                                                |
| 2    | 73119464 | 1    | SEAL                                                  |
| 3    | 70677550 | 1    | PLATE                                                 |
| 4    | 70915903 | 2    | BALL, steel, 7/32"                                    |
| 5    | 70650679 | 2    | SPRING                                                |
| 6    | 71178407 | 1    | SEAL                                                  |
| 7    | 71178408 | 1    | GASKET                                                |
| 8    | 70650675 | 1    | GASKET                                                |
| 9    | 73111871 | 1    | DIAPHRAGM                                             |
| 10   | 70673454 | 1    | KEY                                                   |
| 11   | 70677555 | 1    | GEAR                                                  |
|      | 70653936 | 1    | RING, snap                                            |
| 12   | 73122083 | 1    | SHAFT                                                 |
| 13   | 73122078 | 1    | IDLER GEAR ASSY. (Includes Gear, Shaft and Snap Ring) |
| 14   | 70929476 | 2    | PIN                                                   |
| 15   | 73122084 | 1    | BODY                                                  |
| 16   | 70933855 | 1    | O-RING                                                |
| 17   | 70678820 | 1    | PLATE                                                 |
| 18   | 70927422 | 4    | CAPSCREW, 12-pt., 5/16"NC x 2-1/2"                    |
| 19   | 70934735 | 4    | CAPSCREW, 12-pt., 5/16"NC x 2-1/4"                    |



HYDRAULIC STEERING CONTROL

T-75812

HYDRAULIC STEERING CONTROL

USAGE: Tractors prior to S/N 19S15213 with 17000 MKII engine.

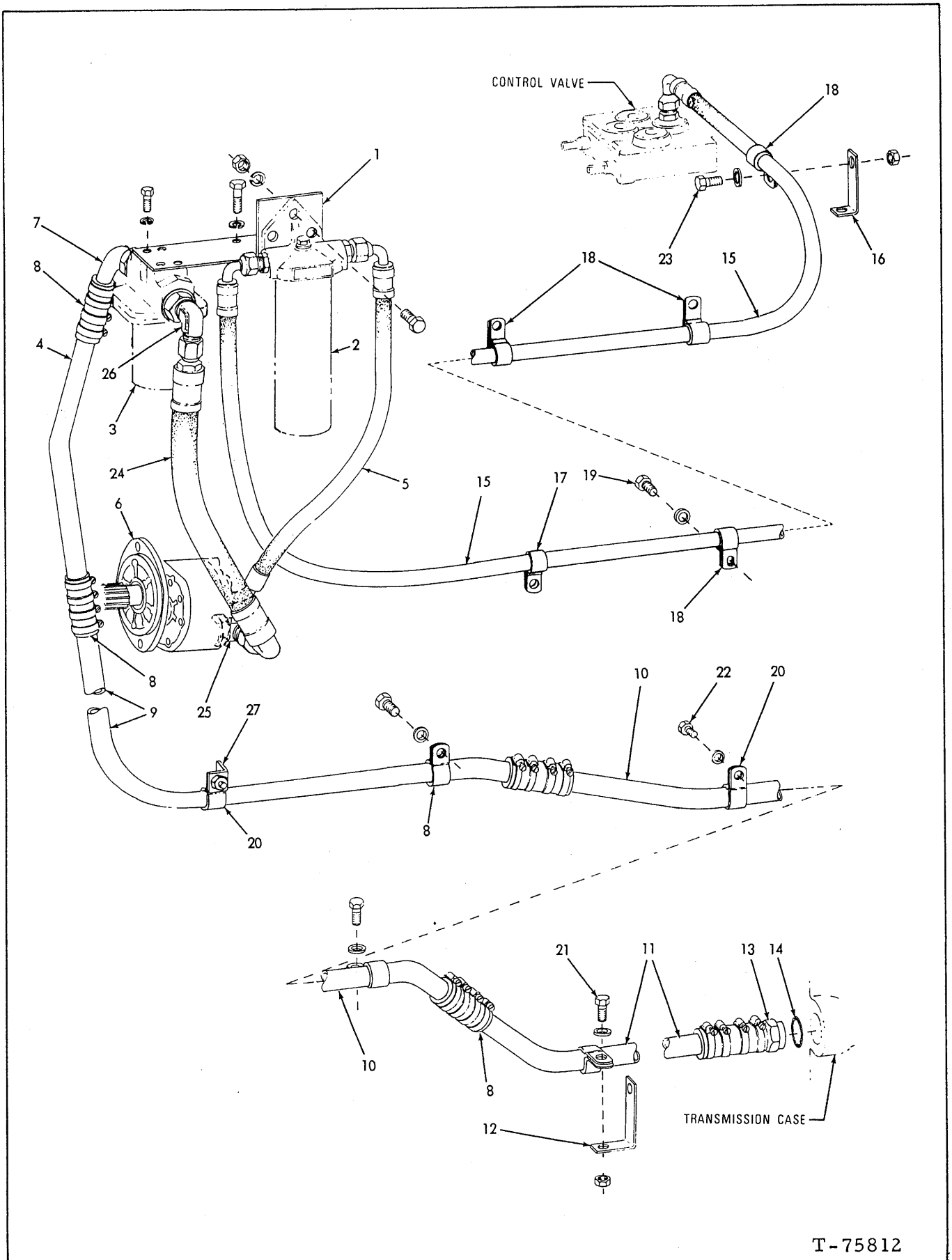
| ITEM | PART NO. | QTY. | DESCRIPTION                                                                                       |
|------|----------|------|---------------------------------------------------------------------------------------------------|
| 1    | 70666789 | 1    | BRACKET, filter and strainer supporting                                                           |
|      | 70921175 | 4    | CAPSCREW, 1/2"NC x 1"                                                                             |
|      | 70912441 | 4    | LOCKWASHER, 1/2"                                                                                  |
| 2    | -----    | 1    | FILTER ASSY. (See page 181)                                                                       |
|      | 70920583 | 3    | CAPSCREW, 1/2"NC x 1-1/2"                                                                         |
|      | 70912441 | 3    | LOCKWASHER, 1/2"                                                                                  |
|      | 70911028 | 3    | NUT, 1/2"NC                                                                                       |
| 3    | -----    | 1    | STRAINER ASSY. (See page 182)                                                                     |
|      | 70922300 | 4    | CAPSCREW, 3/8"NC x 3/4"                                                                           |
|      | 70910287 | 4    | LOCKWASHER, 3/8"                                                                                  |
| 4    | 70666811 | 1    | HOSE, strainer to pump (See HOSE PARTS)                                                           |
|      | 70923174 | 1    | CONNECTOR, flare type, 1" tube, 1-1/16"NF male end (Includes O-RING)                              |
|      | 70921227 | 1    | ELBOW, adjustable, 90°, flare type, 1" tube, 1-5/16"NF male end (Includes washer, nut and O-RING) |
|      | 70921206 | 1    | O-RING, connector (1-1/8"O. D.)                                                                   |
|      | 70921214 | 1    | O-RING, elbow (1-3/8"O. D.)                                                                       |
| 5    | 70666809 | 1    | HOSE, pump to filter (See HOSE PARTS)                                                             |
|      | 70923717 | 1    | CONNECTOR, flare type, 1/2" tube, 7/8"NF male end (Includes O-RING)                               |
|      | 70921466 | 1    | CONNECTOR, flare type, 1/2" tube, 3/4"NPT male                                                    |
|      | 70921205 | 1    | O-RING, connector (15/16"O. D.)                                                                   |
| 6    | -----    | 1    | PUMP ASSY. (See page 177)                                                                         |
| 7    | 70666745 | 1    | ELBOW, strainer inlet (Includes O-RING)                                                           |
|      | 70921214 | 1    | O-RING, elbow (1-3/8"O. D.)                                                                       |
| 8    | 70630636 | 4    | HOSE, suction line                                                                                |
|      | 70921912 | 16   | CLAMP, hose                                                                                       |
| 9    | 70666779 | 1    | TUBE, suction line, front                                                                         |
| 10   | 70666785 | 1    | TUBE, suction line, intermediate                                                                  |
| 11   | 70666778 | 1    | TUBE, suction line, rear                                                                          |
| 12   | 70642535 | 1    | ANGLE, tube supporting                                                                            |
| 13   | 70666753 | 1    | ADAPTER, suction line                                                                             |
| 14   | 70921887 | 1    | O-RING, suction line adapter                                                                      |
| 15   | 70666810 | 1    | HOSE, filter to valve (See HOSE PARTS)                                                            |
|      | 70921466 | 1    | CONNECTOR, flare type, 1/2" tube, 3/4"NPT                                                         |
|      | 70921409 | 1    | CONNECTOR, flare type, 1/2" tube, 3/4"NF male end (Includes O-RING)                               |
|      | 70921349 | 1    | O-RING, connector (13/16"O. D.)                                                                   |
| 16   | 70659175 | 1    | ANGLE, hose supporting                                                                            |
|      | 70922262 | 1    | CAPSCREW, 3/8"NC x 7/8"                                                                           |
|      | 70677006 | 2    | WASHER, plain                                                                                     |
|      | 70911026 | 1    | NUT, 3/8"NC                                                                                       |

(Continued)

(Revised August 1980)

HYDRAULIC STEERING CONTROL (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION             |
|------|----------|------|-------------------------|
| 17   | 70622992 | 2    | CLIP, hose supporting   |
| 18   | 70644713 | 4    | CLIP, hose supporting   |
| 19   | 70921175 | 4    | CAPSCREW, 1/2"NC x 1"   |
|      | 70677008 | 4    | WASHER, plain           |
|      | 70911028 | 1    | NUT, 1/2"NC             |
| 20   | 70095869 | 5    | CLIP, tube supporting   |
| 21   | 70921175 | 4    | CAPSCREW, 1/2"NC x 1"   |
|      | 70677008 | 3    | WASHER, plain           |
|      | 70911028 | 1    | NUT, 1/2"NC             |
| 22   | 70922300 | 1    | CAPSCREW, 3/8"NC x 3/4" |
|      | 70677006 | 1    | WASHER, plain           |
| 23   | 70922262 | 1    | CAPSCREW, 3/8"NC x 7/8" |
|      | 70677006 | 2    | WASHER, plain           |
|      | 70911026 | 1    | NUT, 3/8"NC             |



HYDRAULIC STEERING CONTROL

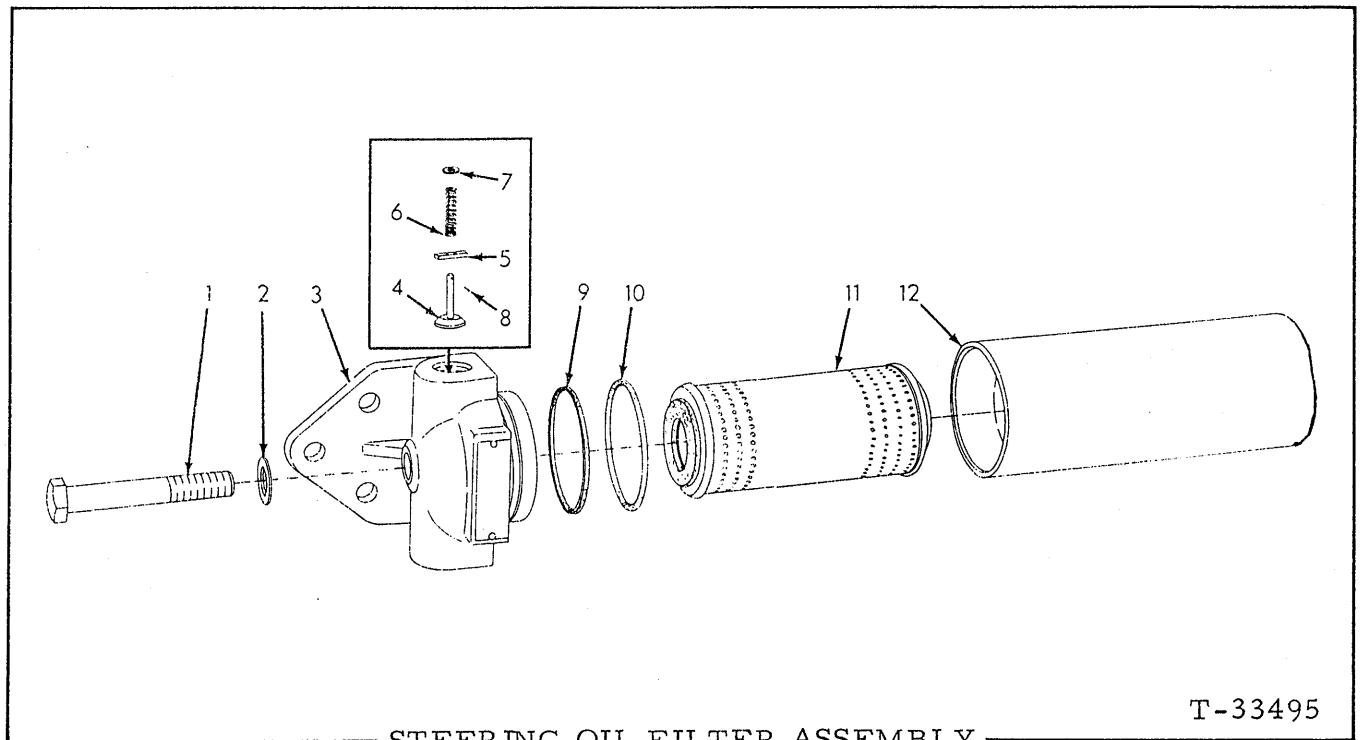
T-75812

# HYDRAULIC STEERING CONTROL

USAGE: Tractor S/N 19S15213 and up with 6138 LT engine

| ITEM | PART NO. | QTY. | DESCRIPTION                                                         |
|------|----------|------|---------------------------------------------------------------------|
| 1    | 70666789 | 1    | BRACKET, filter and strainer supporting                             |
|      | 70921175 | 4    | CAPSCREW, 1/2"NC x 1"                                               |
|      | 70912441 | 4    | LOCKWASHER, 1/2"                                                    |
| 2    | -----    | 1    | FILTER ASSY. (See page 181)                                         |
|      | 70920583 | 3    | CAPSCREW, 1/2"NC x 1-1/2"                                           |
|      | 70912441 | 3    | LOCKWASHER, 1/2"                                                    |
|      | 70911028 | 3    | NUT, 1/2"NC                                                         |
| 3    | -----    | 1    | STRAINER ASSY. (See page 182)                                       |
|      | 70922300 | 4    | CAPSCREW, 3/8"NC x 3/4"                                             |
|      | 70910287 | 4    | LOCKWASHER, 3/8"                                                    |
| 4    | 73117232 | 1    | TUBE                                                                |
| 5    | 73117233 | 1    | HOSE (See HOSE PARTS)                                               |
| 6    | -----    | 1    | PUMP ASSY. (See page 177A)                                          |
| 7    | 70666745 | 1    | ELBOW, strainer inlet (Includes O-Ring)                             |
|      | 70921214 | 1    | O-RING, elbow (1-3/8"O.D.)                                          |
| 8    | 70630636 | 5    | HOSE, suction line                                                  |
|      | 70921912 | 20   | CLAMP, hose                                                         |
| 9    | 73117236 | 1    | TUBE                                                                |
| 10   | 70666785 | 1    | TUBE                                                                |
| 11   | 70666778 | 1    | TUBE                                                                |
| 12   | 70642535 | 1    | ANGLE, tube supporting                                              |
| 13   | 70666753 | 1    | ADAPTER, suction line                                               |
| 14   | 70921887 | 1    | O-RING, suction line adapter                                        |
| 15   | 70666810 | 1    | HOSE, filter to valve (See HOSE PARTS)                              |
|      | 70921466 | 1    | CONNECTOR, flare type, 1/2" tube, 3/4"NPT                           |
|      | 70921409 | 1    | CONNECTOR, flare type, 1/2" tube, 3/4"NF male end (Includes O-Ring) |
|      | 70921349 | 1    | O-RING, connector (13/16"O.D.)                                      |
| 16   | 70659175 | 1    | ANGLE, hose supporting                                              |
|      | 70922262 | 1    | CAPSCREW, 3/8"NC x 7/8"                                             |
|      | 70677006 | 2    | WASHER, plain                                                       |
|      | 70911026 | 1    | NUT, 3/8"NC                                                         |
| 17   | 70622992 | 1    | CLIP, hose supporting                                               |
| 18   | 70644713 | 4    | CLIP, hose supporting                                               |
| 19   | 70921175 | 3    | CAPSCREW, 1/2"NC x 1"                                               |
|      | 70677008 | 3    | WASHER, plain                                                       |
| 20   | 70095869 | 5    | CLIP, tube supporting                                               |
| 21   | 70921175 | 1    | CAPSCREW, 1/2"NC x 1"                                               |
|      | 70677008 | 1    | WASHER, plain                                                       |
|      | 70911028 | 1    | NUT, 1/2"NC                                                         |
| 22   | 70922300 | 1    | CAPSCREW, 3/8"NC x 3/4"                                             |
|      | 70677006 | 1    | WASHER, plain                                                       |
| 23   | 70922262 | 1    | CAPSCREW, 3/8"NC x 7/8"                                             |
|      | 70677006 | 2    | WASHER, plain                                                       |
|      | 70911026 | 1    | NUT, 3/8"NC                                                         |
| 24   | 73117235 | 1    | HOSE (See HOSE PARTS)                                               |
| 25   | 70924026 | 1    | ELBOW, adjustable                                                   |
| 26   | 70921227 | 1    | ELBOW                                                               |
| 27   | 73117234 | 1    | ANGLE                                                               |
|      | 70922262 | 1    | CAPSCREW, 3/8"NC x 7/8"                                             |
|      | 70677006 | 1    | WASHER, plain                                                       |
|      | 70911026 | 1    | NUT, 3/8"NC                                                         |





USAGE: See page 179 and 180B

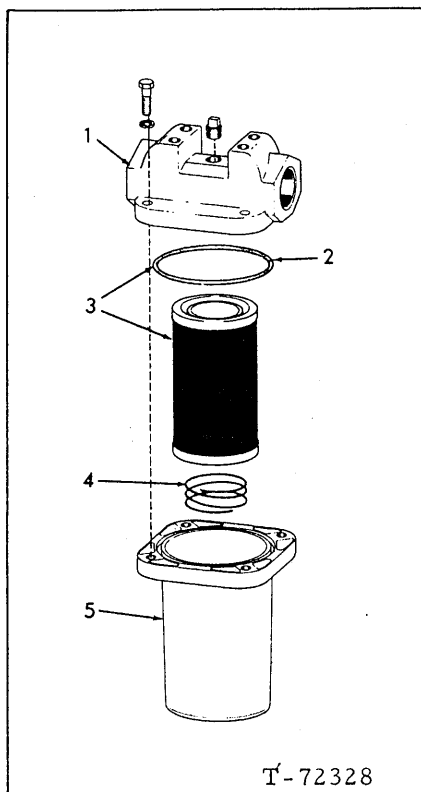
| ITEM | PART NO. | QTY. | DESCRIPTION                                |
|------|----------|------|--------------------------------------------|
| -    | 70631542 | 1    | FILTER ASSY. (Consists of items 1 thru 12) |
| 1    | 70925740 | 1    | CAPSCREW, head retaining (5/8" NF x 4"     |
| 2    | 70631869 | 1    | WASHER, head retaining capscrew            |
| 3    | 70631846 | 1    | HEAD                                       |
| 4    | 70646302 | 1    | VALVE, by-pass                             |
| 5    | 70631868 | 1    | SPANNER, by-pass valve                     |
| 6    | 70631870 | 1    | SPRING, by-pass valve                      |
| 7    | 70632060 | 1    | WASHER, by-pass valve spring               |
| 8    | 70900970 | 1    | PIN, cotter, 1/16" x 1/2"                  |
| 9    | 70632062 | 1    | RING, sealing, filter head                 |
| 10   | 70632063 | 1    | O-RING, filter head                        |
| 11   | 70631828 | 1    | ELEMENT KIT (Includes items 2, 9 and 10)   |
| 12   | 70631872 | 1    | TANK                                       |

(Revised August 1980)

## STEERING OIL STRAINER ASSEMBLY

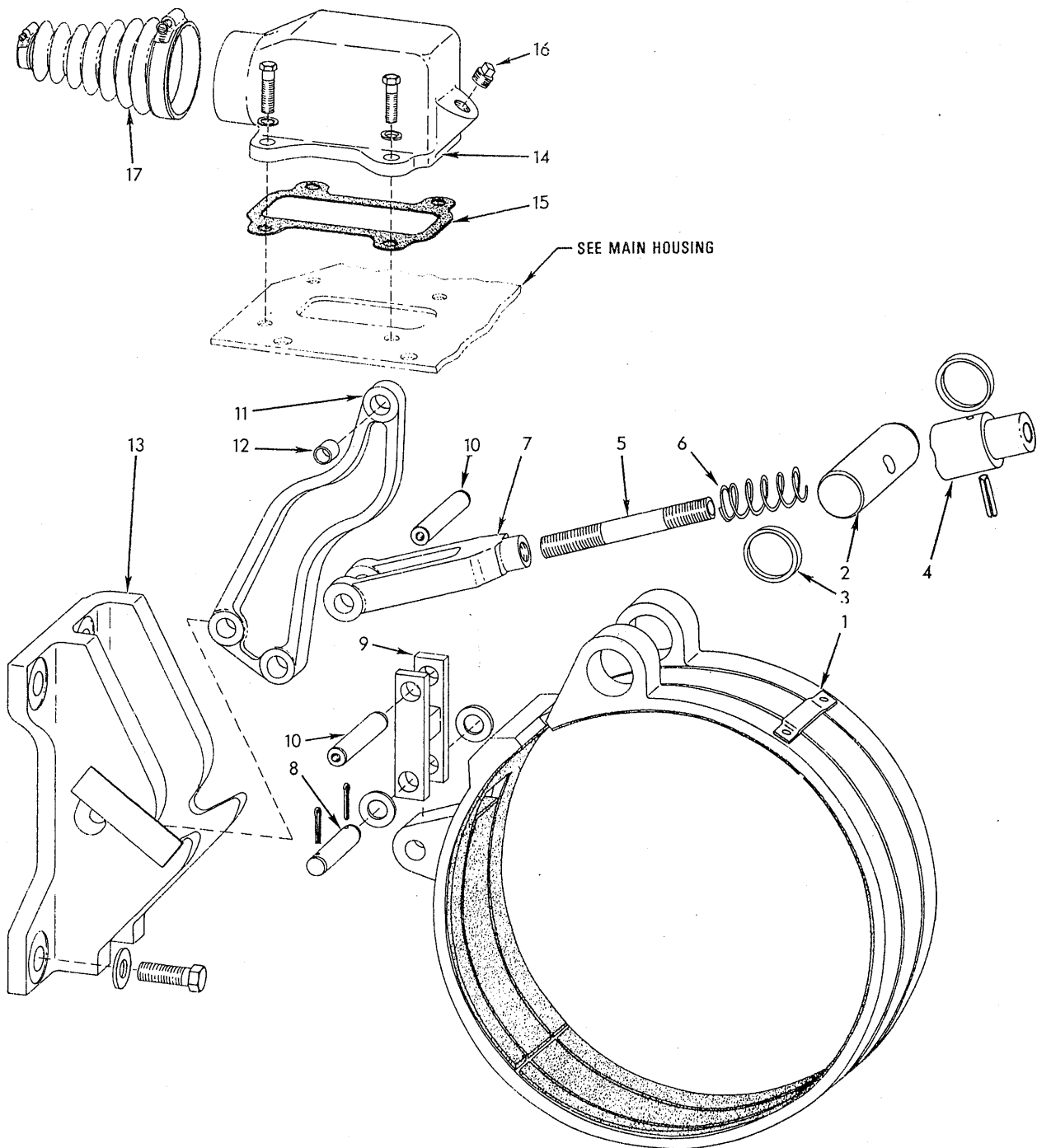
USAGE: See page 179 and 180B

| ITEM | PART NO. | QTY. | DESCRIPTION                                 |
|------|----------|------|---------------------------------------------|
| -    | 70651388 | 1    | STRAINER ASSY. (Consists of items 1 thru 5) |
| 1    | 70651387 | 1    | HEAD ASSY. (Includes PLUG indented below)   |
|      | 70901651 | 1    | PLUG, pipe, 1/8"NPT                         |
|      | 70927401 | 4    | CAPSCREW, 1/4"NC x 1"                       |
|      | 70906958 | 4    | LOCKWASHER, 1/4"                            |
| 2    | 70651385 | 1    | O-RING, body                                |
| 3    | 70651506 | 1    | ELEMENT KIT (Includes item 2)               |
| 4    | 70651384 | 1    | SPRING, element                             |
| 5    | 70651373 | 1    | BODY, oil strainer                          |



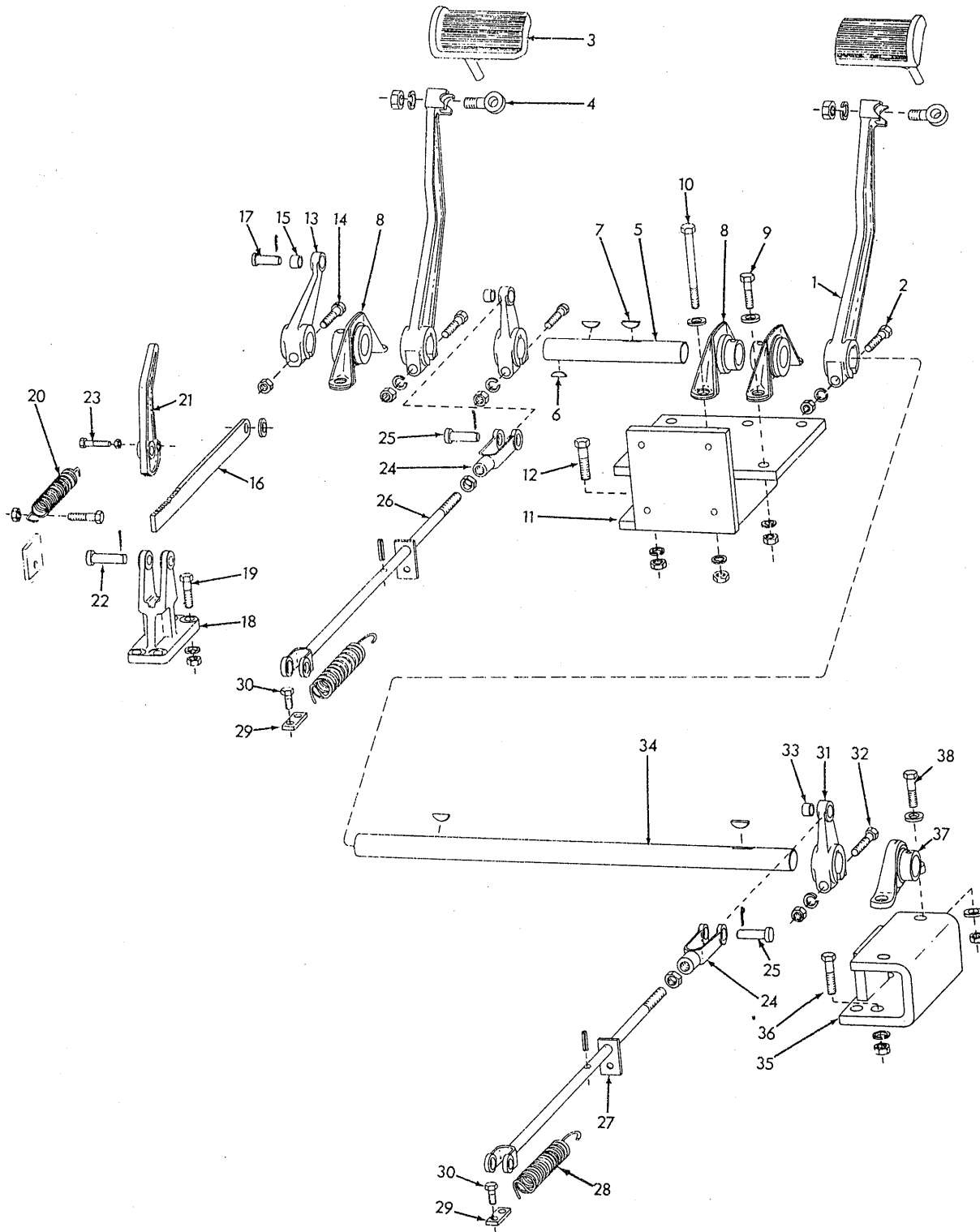
(Revised August 1980)





BRAKES

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                            |
|------|----------|------|----------------------------------------------------------------------------------------|
| 1    | 70666549 | 2    | BAND (Tractors prior to unit#14959)                                                    |
|      | 70696333 | 2    | BAND (Tractor unit #14959 and up)                                                      |
| 2    | 70666391 | 2    | PIN                                                                                    |
| 3    | 70666540 | 4    | SPACER                                                                                 |
| 4    | 70666536 | 2    | BLOCK                                                                                  |
|      | 70921272 | 2    | PIN, spring, 3/16" x 1-3/4"                                                            |
| 5    | 70669218 | 2    | ROD                                                                                    |
| 6    | 70628234 | 2    | SPRING                                                                                 |
| 7    | 70666426 | 2    | YOKE                                                                                   |
| 8    | 70666539 | 2    | PIN                                                                                    |
|      | 70900806 | 4    | PIN, cotter, 1/8" x 1"                                                                 |
|      | 70910255 | 4    | WASHER                                                                                 |
| 9    | 70673761 | 2    | YOKE                                                                                   |
| 10   | 70666538 | 4    | PIN                                                                                    |
| 11   | 70664381 | 2    | LEVER ASSY. (Includes item 12)                                                         |
| 12   | 70052669 | 2    | BUSHING                                                                                |
| 13   | 70672995 | 1    | BRACKET                                                                                |
|      | 70672996 | 1    | BRACKET                                                                                |
|      | 70927298 | 8    | CAPSCREW, Nylok, 3/4"NF x 2"                                                           |
|      | 70929188 | 8    | WASHER                                                                                 |
| 14   | 70648795 | 2    | COVER (If for first replacement on tractors unit #14211<br>and up, also order item 16) |
|      | 70927157 | 8    | CAPSCREW, 3/8"NC x 1-3/8"                                                              |
|      | 70910287 | 8    | LOCKWASHER, 3/8"                                                                       |
| 15   | 70649205 | 2    | GASKET                                                                                 |
| 16   | 70901653 | 2    | PLUG, pipe, 3/8"NPT                                                                    |
| 17   | 70648167 | 2    | BOOT                                                                                   |
|      | 70921914 | 2    | CLAMP, 2-5/16" to 3-1/4" diam.                                                         |
|      | 70921911 | 2    | CLAMP, 11/16" to 1-1/4" diam.                                                          |



— BRAKE CONTROL —

T-75819

| ITEM | PART NO.        | QTY. | DESCRIPTION                                   |
|------|-----------------|------|-----------------------------------------------|
| 1    | 70643032        | 2    | LEVER, pedal                                  |
| 2    | 70922510        | 2    | CAPSCREW, 1/2"NC x 2-3/4"                     |
|      | 70912441        | 2    | LOCKWASHER, 1/2"                              |
|      | 70911028        | 2    | NUT, 1/2"NC                                   |
| 3    | 70623151        | 2    | PAD, pedal                                    |
| 4    | 70050433        | 2    | EYE-BOLT, pedal pad                           |
|      | 70912942        | 2    | LOCKWASHER, 5/8"                              |
|      | 70911044        | 2    | NUT, 5/8"NF                                   |
| 5    | 70666534        | 1    | SHAFT, left pedal                             |
| 6    | 70052747        | 1    | KEY, pedal shaft                              |
| 7    | 70631883        | 4    | KEY, pedal shafts                             |
| 8    | 70650026        | 3    | BEARING, pedal shafts                         |
| 9    | 70920585        | 5    | CAPSCREW, 1/2"NC x 1-3/4"                     |
| 10   | 70921122        | 1    | CAPSCREW, 1/2"NC x 5"                         |
|      | 70677008        | 6    | WASHER, plain                                 |
|      | 70912441        | 6    | LOCKWASHER, 1/2"                              |
|      | 70911028        | 6    | NUT, 1/2"NC                                   |
| 11   | 70655707        | 1    | BRACKET, pedal shaft, left                    |
| 12   | 70924864        | 3    | CAPSCREW, 1/2"NC x 2-1/4"                     |
|      | 70912441        | 3    | LOCKWASHER, 1/2"                              |
|      | 70911028        | 3    | NUT, 1/2"NC                                   |
| 13   | 70631525        | 1    | LEVER ASSY., parking brake (Includes item 15) |
| 14   | 70922526        | 1    | CAPSCREW, 1/2"NC x 2-1/2"                     |
|      | 70911028        | 1    | NUT, 1/2"NC                                   |
| 15   | 70049988        | 1    | BUSHING, parking brake lever                  |
| 16   | 70666533        | 1    | BAR, parking brake                            |
| 17   | 70049993        | 1    | PIN, parking brake bar                        |
|      | 70928188        | 1    | WASHER, plain                                 |
|      | 70900806        | 1    | PIN, cotter, 1/8" x 1"                        |
| 18   | 70650053        | 1    | BRACKET, parking brake                        |
| 19   | 70920585        | 4    | CAPSCREW, 1/2"NC x 1-3/4"                     |
|      | 70912441        | 4    | LOCKWASHER, 1/2"                              |
|      | 70911028        | 4    | NUT, 1/2"NC                                   |
| 20   | 70043881        | 1    | SPRING, parking brake                         |
|      | 70921565        | 1    | CAPSCREW, 3/8"NC x 1-1/2"                     |
|      | 70911026        | 1    | NUT, 3/8"NC                                   |
| 21   | 70672650        | 1    | LOCK, parking brake                           |
| 22   | 70033074        | 1    | PIN, parking brake lock                       |
|      | 70900806        | 1    | PIN, cotter, 1/8" x 1"                        |
| 23   | 70923124        | 1    | CAPSCREW, parking brake lock                  |
|      | 70911025        | 1    | NUT, 5/16"NC                                  |
| 24   | <b>70628730</b> | 2    | YOKE, brake rod                               |

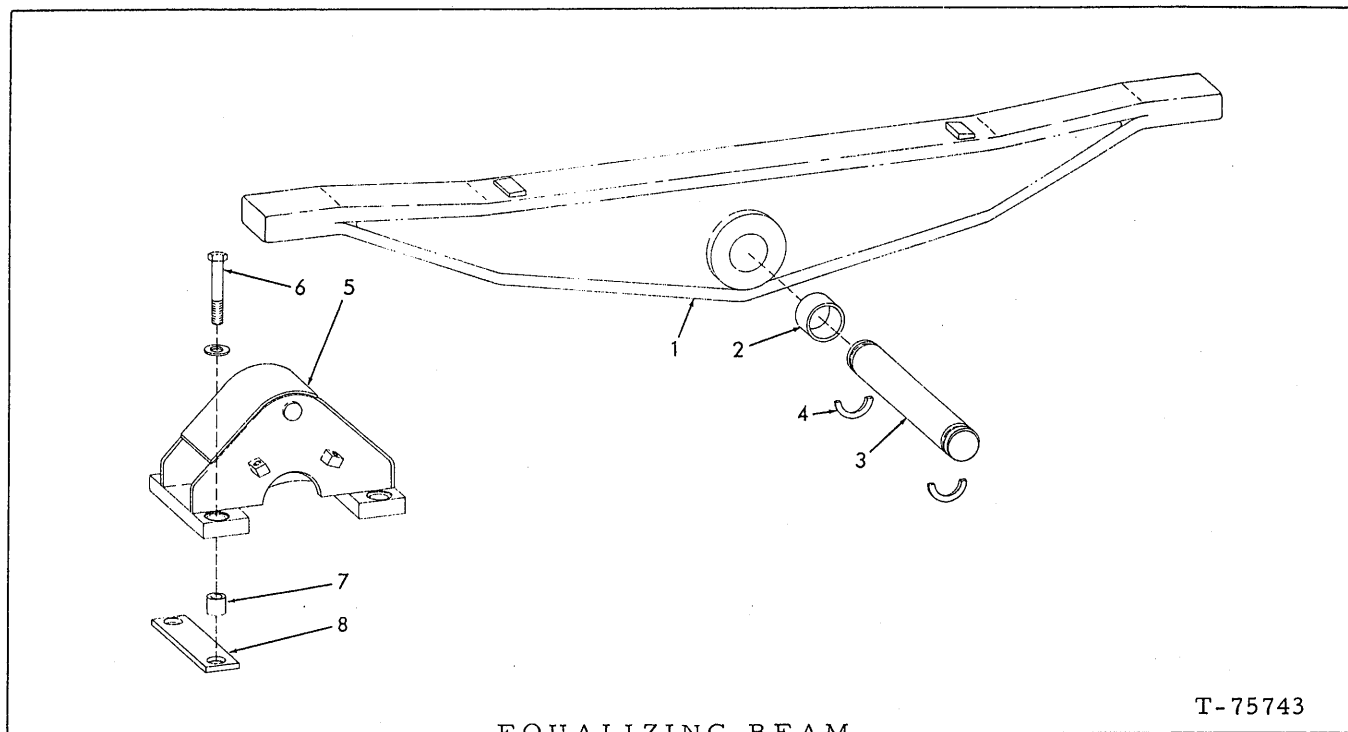
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(Revised September 1979)

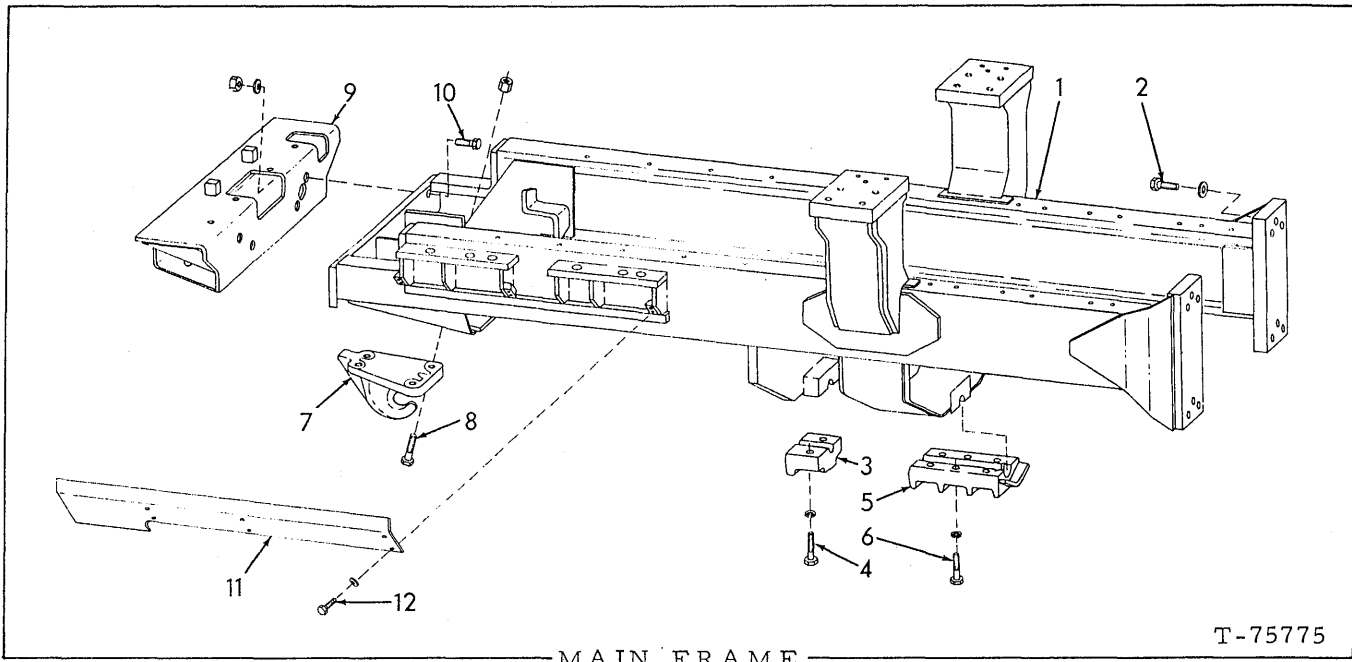
<https://truckmanualshub.com/>  
BRAKE CONTROL (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                 |
|------|----------|------|---------------------------------------------|
| 25   | 70052671 | 4    | PIN, brake rod                              |
|      | 70900806 | 4    | PIN cotter, 1/8" x 1"                       |
| 26   | 70677487 | 2    | ROD, brake                                  |
|      | 70911049 | 2    | NUT, jam, 5/8"NF                            |
|      | 70916937 | 2    | PIN, spring, 1/4" x 1-1/4"                  |
| 27   | 70677482 | 2    | PLATE, pedal retracting spring              |
| 28   | 70658737 | 2    | SPRING, pedal retracting                    |
| 29   | 70666485 | 2    | STRIP, pedal retracting spring              |
| 30   | 70928798 | 2    | CAPSCREW, 3/8"NC x 3/4"                     |
| 31   | 70654767 | 2    | LEVER ASSY., pedal shaft (Includes item 33) |
| 32   | 70922510 | 2    | CAPSCREW, 1/2"NC x 2-3/4"                   |
|      | 70912441 | 2    | LOCKWASHER, 1/2"                            |
|      | 70911028 | 2    | NUT, 1/2"NC                                 |
| 33   | 70052669 | 2    | BUSHING, shaft lever                        |
| 34   | 70666535 | 1    | SHAFT, right pedal                          |
| 35   | 70655702 | 1    | BRACKET, pedal shaft, right                 |
| 36   | 70924864 | 3    | CAPSCREW, 1/2"NC x 2-1/4"                   |
|      | 70912441 | 3    | LOCKWASHER, 1/2"                            |
|      | 70911028 | 3    | NUT, 1/2"NC                                 |
| 37   | 70655958 | 1    | BEARING, pedal shaft                        |
| 38   | 70921556 | 2    | CAPSCREW, 1/2"NC x 2"                       |
|      | 70677008 | 4    | WASHER, plain                               |
|      | 70911028 | 2    | NUT, 1/2"NC                                 |

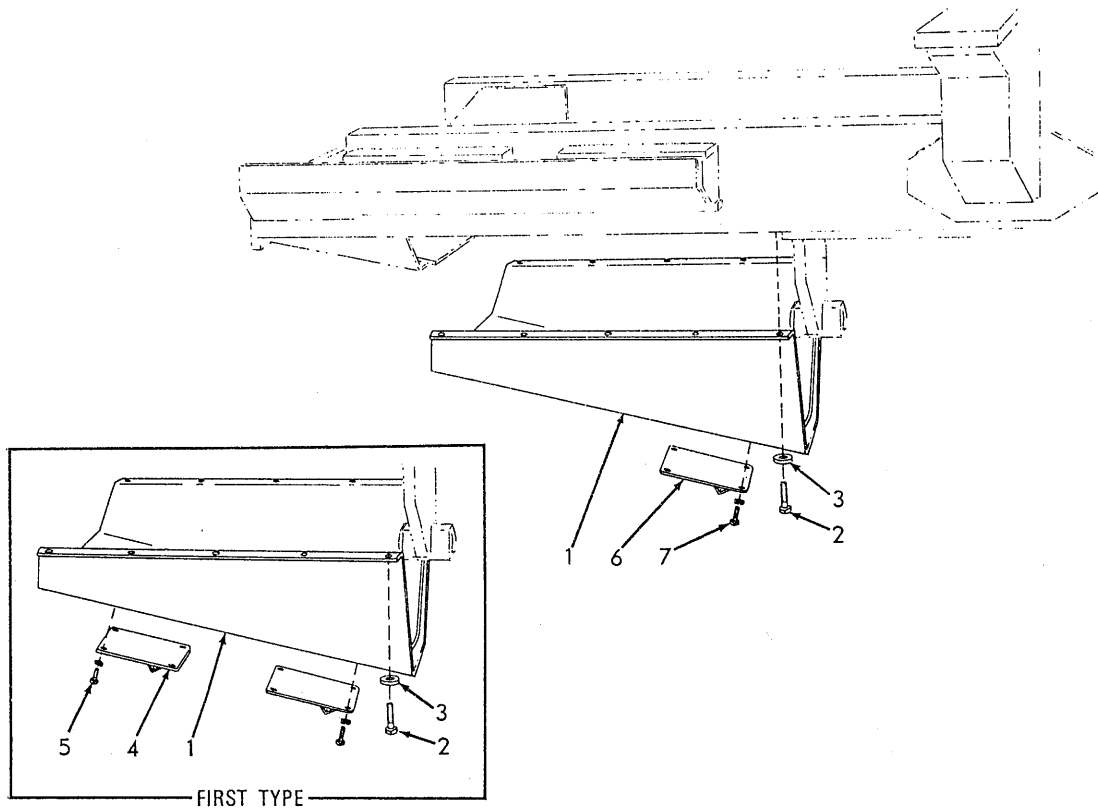




| ITEM | PART NO. | QTY. | DESCRIPTION                  |
|------|----------|------|------------------------------|
| 1    | 70664921 | 1    | BEAM ASSY. (Includes item 2) |
| 2    | 70056166 | 2    | BUSHING, beam pivot          |
| 3    | 70630502 | 1    | PIN, beam pivot              |
| 4    | 70630503 | 2    | RING, retaining, pivot pin   |
| 5    | 70664345 | 2    | BRACKET, shock pad           |
| 6    | 70930481 | 8    | CAPSCREW, 7/8"NF x 5-1/4"    |
|      | 70676652 | 8    | WASHER, plain                |
| 7    | 70664356 | 8    | BUSHING, bracket spacing     |
| 8    | 70664278 | 4    | PAD, shock (rubber)          |



| ITEM | PART NO. | QTY. | DESCRIPTION                                                                                              |                                                      |
|------|----------|------|----------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| 1    | 70669301 | 1    | FRAME ASSY., main (Includes items 3 thru 6) (Tractors prior to unit #12156, excluding #12151 and #12154) |                                                      |
|      | 70683235 | 1    | FRAME ASSY., main (Includes items 3 thru 6)(Tractors unit #12156 and up, including #12151 and #12154)    |                                                      |
| 2    | 70924678 | 12   | CAPSCREW, 1"NF x 3-1/4"                                                                                  |                                                      |
|      | 70678072 | 12   | WASHER, plain                                                                                            |                                                      |
| 3    | 70638968 | 1    | CAP, equalizing beam pivot, front                                                                        |                                                      |
| 4    | 70925810 | 2    | CAPSCREW, 1"NF x 3-1/2"                                                                                  |                                                      |
|      | 70914728 | 2    | LOCKWASHER, 1"                                                                                           |                                                      |
| 5    | 70642767 | 1    | CAP, equalizing beam pivot, rear                                                                         |                                                      |
| 6    | 70925810 | 6    | CAPSCREW, 1"NF x 3-1/2"                                                                                  |                                                      |
|      | 70914728 | 6    | LOCKWASHER, 1"                                                                                           |                                                      |
| 7    | 70040503 | 1    | HOOK, front pull                                                                                         | } Special equipment on tractors prior to unit #12651 |
| 8    | 70012762 | 4    | CAPSCREW, 7/8"NF x 3-1/4"                                                                                |                                                      |
|      | 70070400 | 2    | NUT, high, 7/8"NF                                                                                        |                                                      |
| 9    | 70661714 | 1    | BUMPER, front (Tractors prior to unit #11503)                                                            | } Not used with front-mounted allied equipment       |
|      | 70678235 | 1    | BUMPER, front (Tractors unit #11503 and up)                                                              |                                                      |
| 10   | 70927015 | 4    | CAPSCREW, 1"NC x 3"                                                                                      |                                                      |
|      | 70928452 | 4    | WASHER, plain                                                                                            |                                                      |
|      | 70911032 | 4    | NUT, 1"NC                                                                                                |                                                      |
| 11   | 70662089 | 1    | PLATE, closure, left                                                                                     |                                                      |
|      | 70662090 | 1    | PLATE, closure, right                                                                                    |                                                      |
| 12   | 70920582 | 12   | CAPSCREW, 1/2"NC x 1-1/4"                                                                                |                                                      |
|      | 70677008 | 12   | WASHER, plain                                                                                            |                                                      |



CRANKCASE GUARD

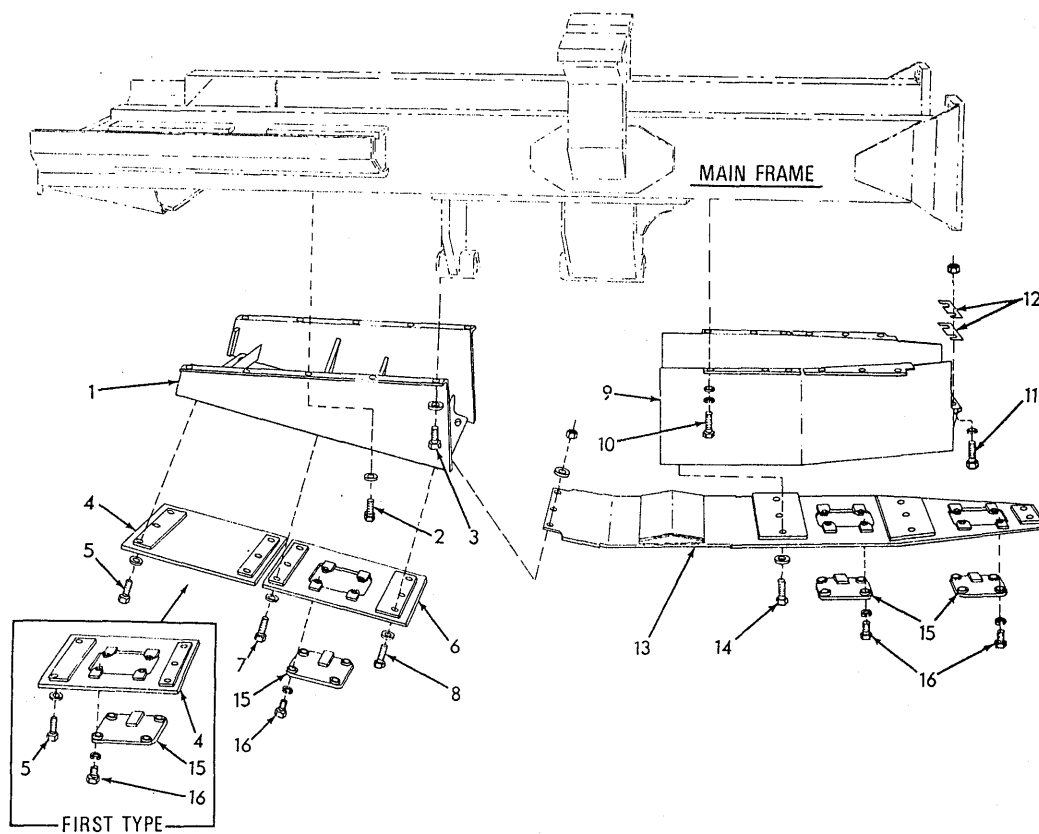
T-79135

USAGE: Special equipment

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                              |
|------|----------|------|------------------------------------------------------------------------------------------|
| 1    | 70642713 | 1    | GUARD ASSY., crankcase (Includes items 4 and 5)(Used prior approx. to November 12, 1973) |
|      | 70683878 | 1    | GUARD ASSY., crankcase (Includes items 6 and 7)(Effective approx. November 12, 1973)     |
| 2    | 70921172 | 6    | CAPSCREW, 5/8" NC x 2-1/4"                                                               |
|      | 70921266 | 4    | CAPSCREW, 5/8" NC x 3-1/4" (Rear position)                                               |
| 3    | 70677010 | 10   | WASHER, plain                                                                            |
| 4    | 70091662 | 2    | COVER, drain hole                                                                        |
| 5    | 70927353 | 8    | CAPSCREW, 1/2" NF x 1-1/4"                                                               |
|      | 70912441 | 8    | LOCKWASHER, 1/2"                                                                         |
| 6    | 70642743 | 1    | PLATE, drain hole                                                                        |
| 7    | 70927353 | 4    | CAPSCREW, 1/2" NF x 1-1/4"                                                               |
|      | 70912441 | 4    | LOCKWASHER, 1/2"                                                                         |

Used prior to approx.  
November 12, 1973

Effective approx.  
November 12, 1973



BOTTOM GUARDS

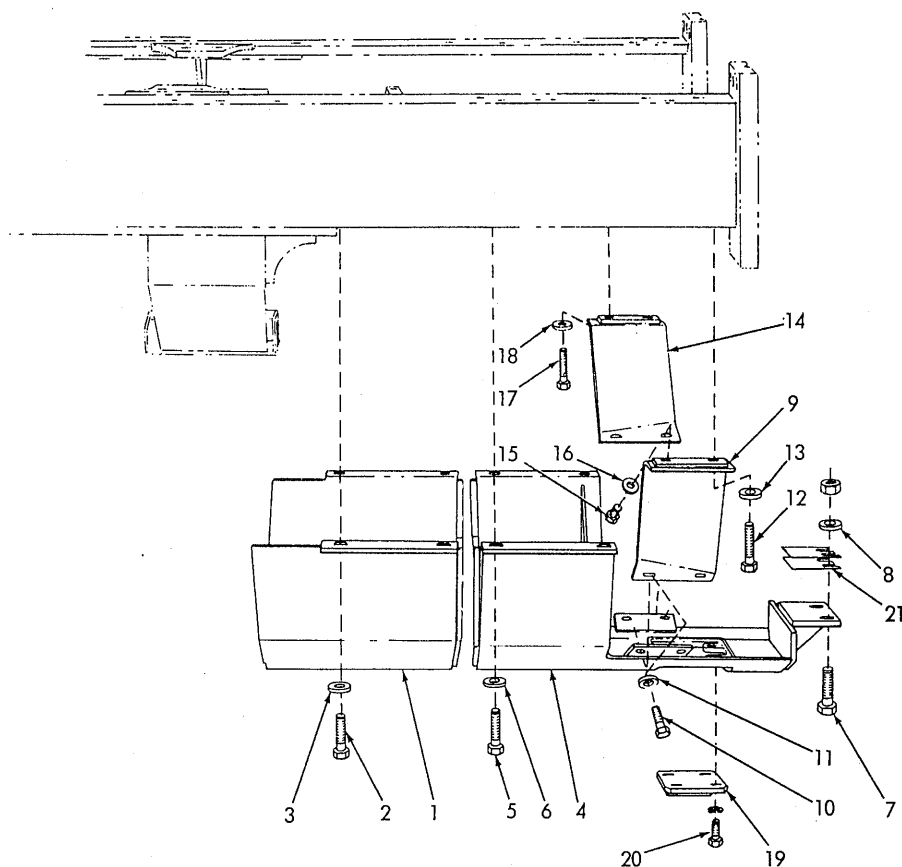
T-73640

USAGE: Special equipment. For tractors engaged in logging operations

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                                                     |
|------|----------|------|-----------------------------------------------------------------------------------------------------------------|
| 1    | 70646192 | 1    | FRAME, front                                                                                                    |
| 2    | 70921403 | 6    | CAPSCREW, 5/8"NC x 2"                                                                                           |
| 3    | 70921266 | 4    | CAPSCREW, 5/8"NC x 3-1/4"                                                                                       |
|      | 70677010 | 10   | WASHER, plain                                                                                                   |
| 4    | 70646162 | 1    | PLATE ASSY., bottom, front section (Includes items 15 and 16)<br>(Used prior to approximately January 18, 1974) |
|      | 70683833 | 1    | PLATE ASSY., bottom, front section (Effective approximately<br>January 18, 1974)                                |
| 5    | 70924149 | 6    | CAPSCREW, 3/4"NF x 2-1/4"                                                                                       |
|      | 70677012 | 6    | WASHER, plain                                                                                                   |
| 6    | 70646155 | 1    | PLATE ASSY., bottom, center section (Includes items 15 and 16)                                                  |
| 7    | 70924149 | 3    | CAPSCREW, 3/4"NF x 2-1/4"                                                                                       |
|      | 70677012 | 3    | WASHER, plain                                                                                                   |
| 8    | 70922789 | 3    | CAPSCREW, 3/4"NC x 3"                                                                                           |
|      | 70677012 | 3    | WASHER, plain                                                                                                   |
|      | 70900820 | 3    | WASHER, plain, U.S. Std., 3/4"                                                                                  |
|      | 70911030 | 3    | NUT, 3/4"NC                                                                                                     |
| 9    | 70646157 | 1    | FRAME, rear                                                                                                     |
| 10   | 70921266 | 12   | CAPSCREW, 5/8"NC x 3-1/4"                                                                                       |
|      | 70677010 | 12   | WASHER, plain                                                                                                   |
| 11   | 70922789 | 2    | CAPSCREW, 3/4"NC x 3"                                                                                           |
|      | 70677012 | 2    | WASHER, plain                                                                                                   |
|      | 70911030 | 2    | NUT, 3/4"NC                                                                                                     |

(Continued)

| ITEM | PART NO.               | QTY.   | DESCRIPTION                                                                          |
|------|------------------------|--------|--------------------------------------------------------------------------------------|
| 12   | { 70631959<br>70631960 | 3<br>2 | SHIM, rear frame (1/16" thick)<br>SHIM, rear frame (1/8" thick)                      |
|      |                        |        | } Use as required                                                                    |
| 13   | 70664968               | 1      | PLATE ASSY., bottom, rear section (Includes items 15 and 16)                         |
| 14   | 70924149               | 8      | CAPSCREW, 3/4" NF x 2-1/4"                                                           |
|      | 70677012               | 8      | WASHER, plain                                                                        |
| 15   | 70646108               | 3      | COVER, access holes (One additional used prior to approximately<br>January 18, 1974) |
| 16   | 70916310               | 16     | CAPSCREW, 1/2" NC x 1"                                                               |
|      | 70904208               | 16     | LOCKWASHER, 1/2"                                                                     |

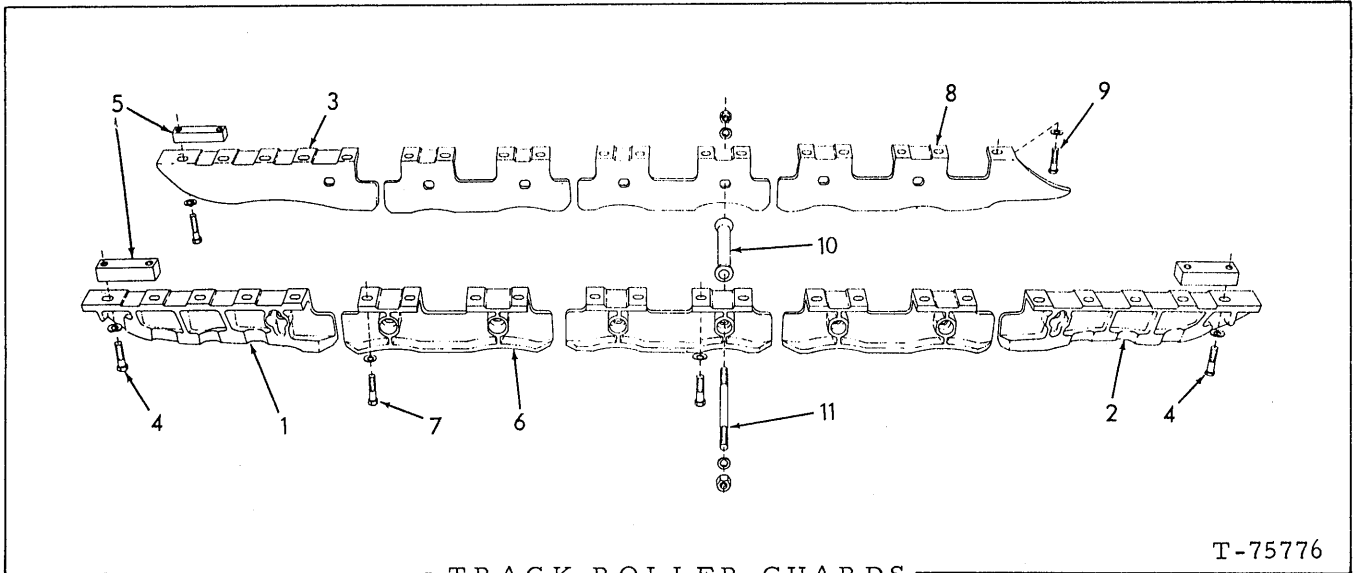


T-70534

# TRANSMISSION GUARDS

USAGE: Special equipment

| ITEM | PART NO.   | QTY. | DESCRIPTION                        |
|------|------------|------|------------------------------------|
| 1    | 70642709   | 1    | GUARD, transmission, front section |
| 2    | 70921266   | 4    | CAPSCREW, 5/8"NC x 3-1/4"          |
| 3    | 70677010   | 4    | WASHER, plain                      |
| 4    | 70642705   | 1    | GUARD, transmission, rear section  |
| 5    | 70921266   | 4    | CAPSCREW, 5/8"NC x 3-1/4"          |
| 6    | 70677010   | 4    | WASHER, plain                      |
| 7    | 70922744   | 2    | CAPSCREW, 3/4"NC x 2-1/2"          |
| 8    | 70677012   | 2    | WASHER, plain                      |
|      | 70911030   | 2    | NUT, 3/4"NC                        |
| 9    | 70642719   | 1    | GUARD, transmission, left side     |
| 10   | 70927574   | 2    | CAPSCREW, 1/2"NF x 1-3/8"          |
| 11   | 70677008   | 2    | WASHER, plain                      |
| 12   | 70921266   | 2    | CAPSCREW, 5/8"NC x 3-1/4"          |
| 13   | 70677010   | 2    | WASHER, plain                      |
| 14   | 70642720   | 1    | GUARD, transmission, right side    |
| 15   | 70927574   | 2    | CAPSCREW, 1/2"NF x 1-3/8"          |
| 16   | 70677008   | 2    | WASHER, plain                      |
| 17   | 70921266   | 2    | CAPSCREW, 5/8"NC x 3-1/4"          |
| 18   | 70677010   | 2    | WASHER, plain                      |
| 19   | 70633717   | 1    | COVER, transmission oil drain      |
| 20   | 70920582   | 4    | CAPSCREW, 1/2"NC x 1-1/4"          |
|      | 70912441   | 4    | LOCKWASHER, 1/2"                   |
| 21   | { 70631959 | 1    | SHIM, rear guard (1/16" thick) }   |
|      | { 70631960 | 2    | SHIM, rear guard (1/8" thick) }    |
|      |            |      | Use as required                    |



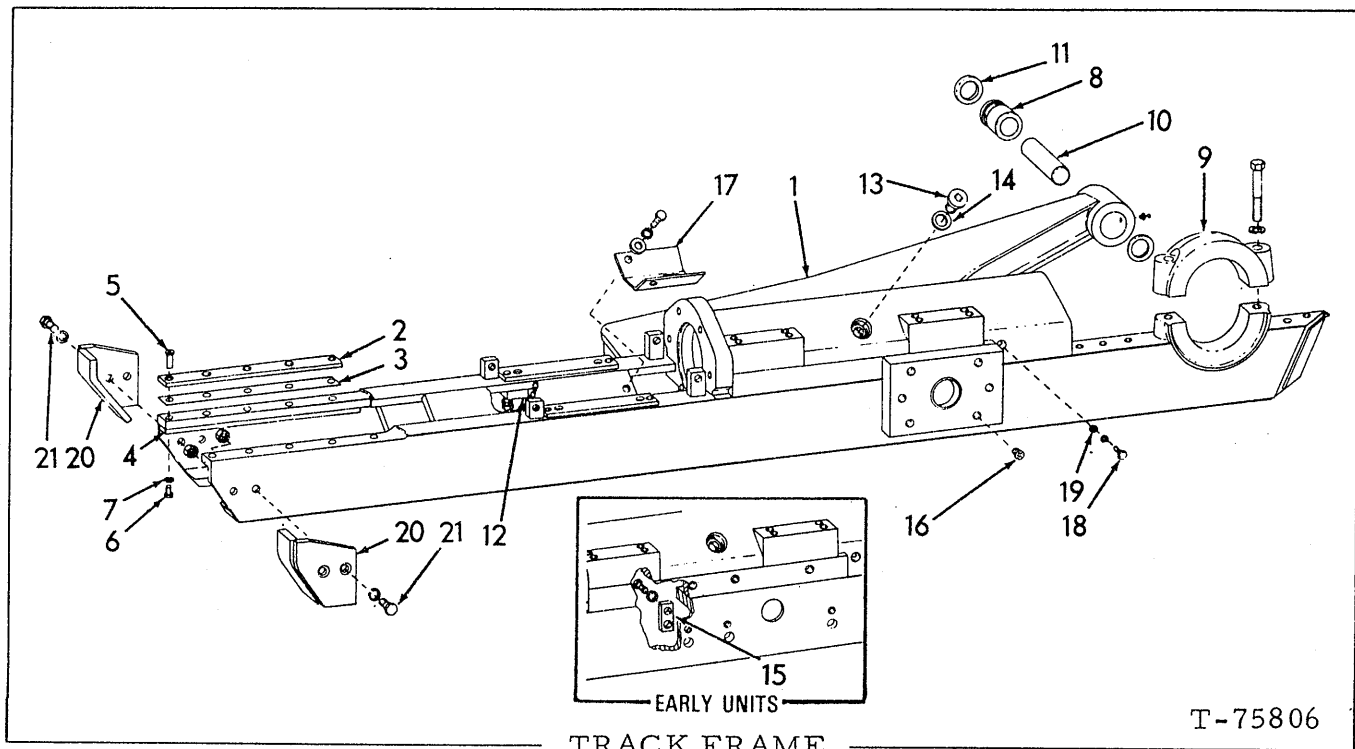
T-75776

# TRACK ROLLER GUARDS

USAGE: Special equipment

\* Partial guarding  
\*\* Full guarding

| ITEM | PART NO. | QTY. |    | DESCRIPTION                                 |
|------|----------|------|----|---------------------------------------------|
|      |          | *    | ** |                                             |
| 1    | 70649107 | 1    | 1  | GUARD, outer, front section, left side      |
|      | 70649108 | 1    | 1  | GUARD, outer, front section, right side     |
| 2    | 70649108 | 1    | 1  | GUARD, outer, rear section, left side       |
|      | 70649107 | 1    | 1  | GUARD, outer, rear section, right side      |
| 3    | 70649108 | 1    | 1  | GUARD, inner, front section, left side      |
|      | 70649107 | 1    | 1  | GUARD, inner, front section, right side     |
| 4    | 70926380 | 30   | 30 | CAPSCREW, guard attaching (3/4"NF x 3-1/2") |
|      | 70677012 | 30   | 30 | WASHER, plain                               |
| 5    | 70632323 | 12   | 12 | BLOCK, tapped, end guard attachment         |
| 6    | 70661229 | -    | 10 | GUARD, intermediate section                 |
| 7    | 70926380 | -    | 40 | CAPSCREW, 3/4"NF x 3-1/2"                   |
|      | 70677012 | -    | 40 | WASHER, plain                               |
| 8    | 70661927 | -    | 1  | GUARD, rear inner section, left side        |
|      | 70661928 | -    | 1  | GUARD, rear inner section, right side       |
| 9    | 70926380 | -    | 10 | CAPSCREW, 3/4"NF x 3-1/2"                   |
|      | 70677012 | -    | 10 | WASHER, plain                               |
| 10   | 70082915 | 2    | 14 | SPACER, guard bracing                       |
| 11   | 70655193 | 2    | 14 | ROD, guard bracing (7/8"NF x 14-3/8")       |
|      | 70676122 | 4    | 28 | WASHER                                      |
|      | 70911046 | 4    | 28 | NUT, 7/8"NF                                 |



| ITEM                                                              | PART NO. | QTY. | DESCRIPTION                                                                                                    |
|-------------------------------------------------------------------|----------|------|----------------------------------------------------------------------------------------------------------------|
| 1                                                                 | 70661627 | 1    | FRAME ASSY., left (Tractors prior to unit #12112.<br>Order 1 FRAME ASSY. 70678971 and 1 SERVICE KIT 70680119)  |
|                                                                   | 70678971 | 1    | FRAME ASSY., left (Tractors unit #12112 thru #13184 including #13187)                                          |
|                                                                   | 70690393 | 1    | FRAME ASSY., left (Tractors unit #13185 thru #14926 excluding #13187)                                          |
|                                                                   | 70696977 | 1    | FRAME ASSY., left (Tractors unit #14927 and up)                                                                |
|                                                                   | 70661628 | 1    | FRAME ASSY., right (Tractors prior to unit #12112.<br>Order 1 FRAME ASSY. 70678972 and 1 SERVICE KIT 70680120) |
|                                                                   | 70678972 | 1    | FRAME ASSY., right (Tractors unit #12112 thru #13184 including #13187)                                         |
|                                                                   | 70690394 | 1    | FRAME ASSY., right (Tractors unit #13185 thru #14926 excluding #13187)                                         |
|                                                                   | 70696978 | 1    | FRAME ASSY., right (Tractors unit #14927 and up)                                                               |
|                                                                   | 70914465 | 2    | FITTING, lubricating, straight, 1/8" NPT                                                                       |
| <u>NOTE:</u> Each Frame Assy. listed above includes items 8 and 9 |          |      |                                                                                                                |
| 2                                                                 | 70639021 | 4    | BAR, slide, track idler, upper                                                                                 |
| 3                                                                 | 70637701 | 4    | SHIM, slide bar (.014" thick)                                                                                  |
|                                                                   | 70632580 | 8    | SHIM, slide bar (.028" thick)                                                                                  |
| 4                                                                 | 70631031 | 4    | BAR, slide, track idler, lower                                                                                 |
| 5                                                                 | 70631034 | 20   | DOWEL, tapped, slide bar retaining                                                                             |
| 6                                                                 | 70923276 | 20   | CAPSCREW, 3/8" NF x 1"                                                                                         |
| 7                                                                 | 70647080 | 20   | WASHER                                                                                                         |
| 8                                                                 | 70664512 | 2    | BUSHING, pivot shaft (5-3/8" long)                                                                             |

(Continued)

(Revised May 1977)



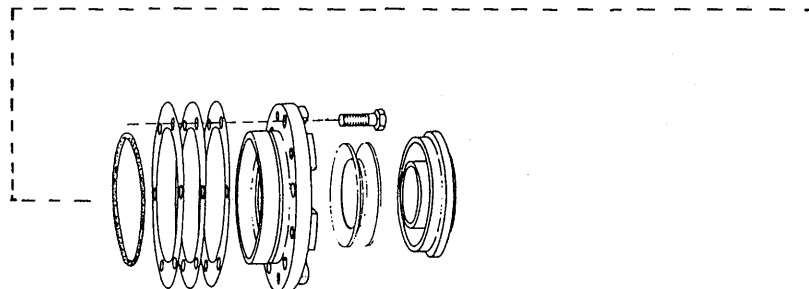
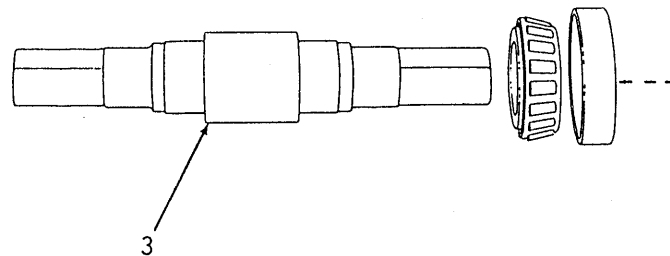
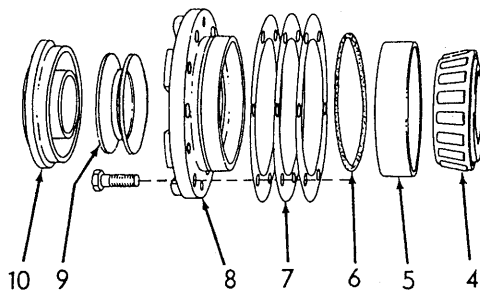
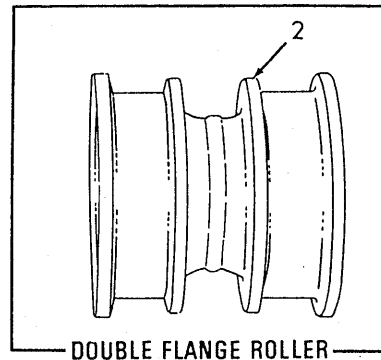
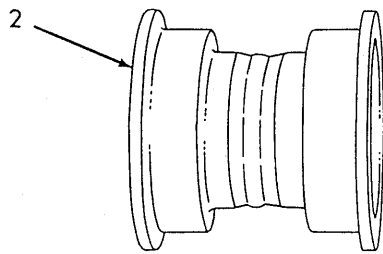
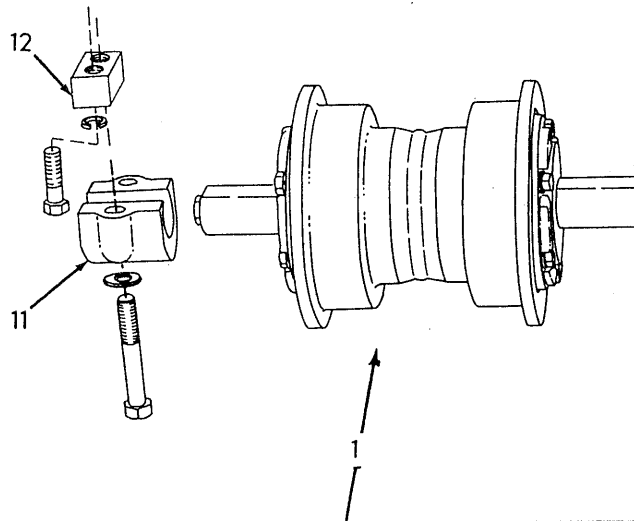
| ITEM | PART NO. | QTY. | DESCRIPTION                                       |
|------|----------|------|---------------------------------------------------|
| 9    | 70069810 | 2    | CAP, sprocket shaft bearing                       |
|      | 70928175 | 4    | CAPSCREW, 1-1/4" NF x 6"                          |
|      | 70914730 | 4    | LOCKWASHER, 1-1/4"                                |
| 10   | 70664509 | 2    | SHAFT, pivot                                      |
| 11   | 70664511 | 4    | SEAL, grease, pivot shaft (1/4" wide)             |
| 12   | 70664341 | 8    | BLOCK, equalizing beam seat (7/8" tapped hole)    |
|      | 70921174 | 8    | CAPSCREW, 5/8" NC x 2-1/4"                        |
|      | 70912942 | 8    | LOCKWASHER, 5/8"                                  |
| 13   | 70035250 | 2    | PLUG, filling hole                                |
| 14   | 70667252 | 2    | GASKET, filling hole plug                         |
| 15   | 70664340 | 6    | BLOCK, tapped (For mounting                       |
|      |          |      | dozing equipment)                                 |
|      | 70921403 | 6    | CAPSCREW, 5/8" NC x 2"                            |
|      | 70912942 | 6    | LOCKWASHER, 5/8"                                  |
| 16   | 70662788 | 6    | CORK, thread protecting (1" diam.)(For protecting |
|      |          |      | dozer mounting holes)                             |
| 17   | 70677705 | 2    | PLATE, closure (Tractors prior to unit #12112)    |
|      | 70678974 | 2    | PLATE, closure (Tractors unit #12112 thru #12154) |
|      | 70686281 | 2    | PLATE, closure (Tractors unit #12155 thru #14926) |
|      | 70696901 | 2    | PLATE, closure (Tractors unit #14927 and up)      |
|      | 70927172 | 4    | CAPSCREW, 1/2" NC x 1-1/8"                        |
|      | 70677008 | 4    | WASHER                                            |
|      | 70921535 | 4    | CAPSCREW, 5/8" NC x 1-3/4"                        |
|      | 70928169 | 10   | WASHER                                            |
| 18   | 70916270 | 2    | CAPSCREW, oil level check (3/8" NC x 1/2")        |
|      | 70922464 | 2    | WASHER                                            |
| 19   | 70663967 | 2    | WASHER, sealing, oil level capscrew               |

Tractors prior to  
unit #13185 inclu-  
ding #13187

Tractors prior to  
unit #14927  
Tractors unit  
#14927 and up

NOTE: Items listed below are Special Equipment

|    |          |   |                            |
|----|----------|---|----------------------------|
| 20 | 70656749 | 2 | GUARD, end, left hand      |
|    | 70656750 | 2 | GUARD, end, right hand     |
| 21 | 70921565 | 8 | CAPSCREW, 5/8" NC x 1-3/4" |
|    | 70912942 | 8 | LOCKWASHER, 5/8"           |
|    | 70911029 | 8 | NUT, 5/8" NC               |



TRACK ROLLER  
(Bearing type)  
198

T-5149  
(Revised April 1980)

TRACK ROLLER (Bearing type)

USAGE: Standard equipment on tractors prior to S/N 19S15282; also on tractors S/N 19S15368 and up. For tractors S/N 19S15282 thru 19S15367, see page 199A.

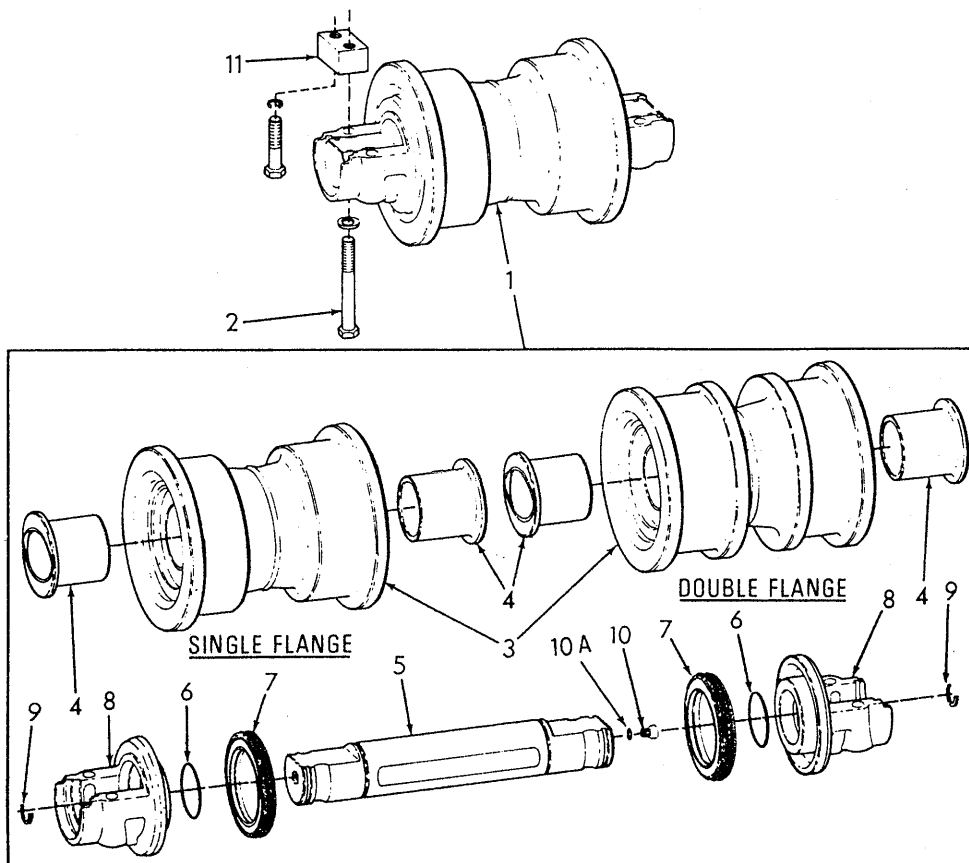
\* Tractors prior to serial No. 19S10486

\*\* Tractors serial No. 19S10486 and up

| ITEM | PART NO. | QTY.  | DESCRIPTION                                                                                                                                                                                                  |                                                 |
|------|----------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
|      |          | * **  |                                                                                                                                                                                                              |                                                 |
| 1    | 70673418 | 1 -   | ROLLER ASSY., single flange                                                                                                                                                                                  | Each consists of items 2 thru 10                |
|      | 70675323 | - 1   | ROLLER ASSY., single flange                                                                                                                                                                                  |                                                 |
|      | 70673420 | 1 -   | ROLLER ASSY., double flange                                                                                                                                                                                  |                                                 |
|      | 70675327 | - 1   | ROLLER ASSY., double flange                                                                                                                                                                                  |                                                 |
| 2    | 70673419 | 1 -   | ROLLER, single flange                                                                                                                                                                                        |                                                 |
|      | 70675322 | - 1   | ROLLER, single flange                                                                                                                                                                                        |                                                 |
|      | 70673421 | 1 -   | ROLLER, double flange                                                                                                                                                                                        |                                                 |
|      | 70675326 | - 1   | ROLLER, double flange                                                                                                                                                                                        |                                                 |
| 3    | 70622002 | 1 1   | SHAFT                                                                                                                                                                                                        |                                                 |
| 4    | 70673415 | 2 2   | CONE ASSY., bearing                                                                                                                                                                                          |                                                 |
| 5    | 70680631 | 2 2   | CUP, bearing                                                                                                                                                                                                 |                                                 |
| 6    | 70924772 | 2 2   | O-RING, retainer (Tractors prior to unit #10495)                                                                                                                                                             |                                                 |
|      | 70923821 | - 2   | O-RING, retainer (Tractors unit #10495 and up)                                                                                                                                                               |                                                 |
| 7    | 70655464 | 4 4   | SHIM, bearing adjustment (.003" thick)                                                                                                                                                                       | Use as required                                 |
|      | 70077287 | 4 4   | SHIM, bearing adjustment (.007" thick)                                                                                                                                                                       |                                                 |
|      | 70077286 | 4 4   | SHIM, bearing adjustment (.010" thick)                                                                                                                                                                       |                                                 |
|      | 70077285 | 2 2   | SHIM, bearing adjustment (.032" thick)                                                                                                                                                                       |                                                 |
| 8    | 70670074 | 2 2   | RETAINER, bearing (Tractors prior to unit #10495)                                                                                                                                                            |                                                 |
|      | 70680417 | - 2   | RETAINER, bearing (Tractor unit #10495 and up)                                                                                                                                                               |                                                 |
|      | 70680419 | 12 12 | CAPSCREW, 1/2"NF x 1-1/4"                                                                                                                                                                                    |                                                 |
| 9    | 70670071 | 2 2   | SEAL ASSY. (Includes item 13)                                                                                                                                                                                |                                                 |
| 10   | 70670073 | 2 2   | RETAINER, seal                                                                                                                                                                                               |                                                 |
| 11   | 70681565 | 2 2   | BRACKET, attaching                                                                                                                                                                                           |                                                 |
|      | 70925947 | 4 4   | CAPSCREW, 3/4"NF x 4-1/4"                                                                                                                                                                                    |                                                 |
|      | 70926201 | 4 4   | WASHER, plain                                                                                                                                                                                                |                                                 |
| 12   | 70631290 | 4 4   | BLOCK, attaching capscrews                                                                                                                                                                                   | Not used when Track Roller Guards are installed |
|      | 70921171 | 4 4   | CAPSCREW, 3/4"NF x 2-3/4"                                                                                                                                                                                    |                                                 |
|      | 70914726 | 4 4   | LOCKWASHER, 3/4"                                                                                                                                                                                             |                                                 |
| 13   | 70690649 | - -   | RING SET, seal (Enables replacement of the rubber sealing washers without having to replace the steel sealing rings or the entire Seal Assy.)(Includes 2 sealing washer, sufficient to service 1 Seal Assy.) |                                                 |

NOTE: All quantities indicated above are for (1) roller only. The number of rollers used is 6 single flange and 8 double flange.

(Revised April 1980)



TRACK ROLLERS

(Bushing type)

USAGE: Standard on tractors S/N 19S15282 thru 19S15367. Special on earlier units. For tractors prior to S/N 19S15282 and tractors S/N 19S15368 and up, see page 199.

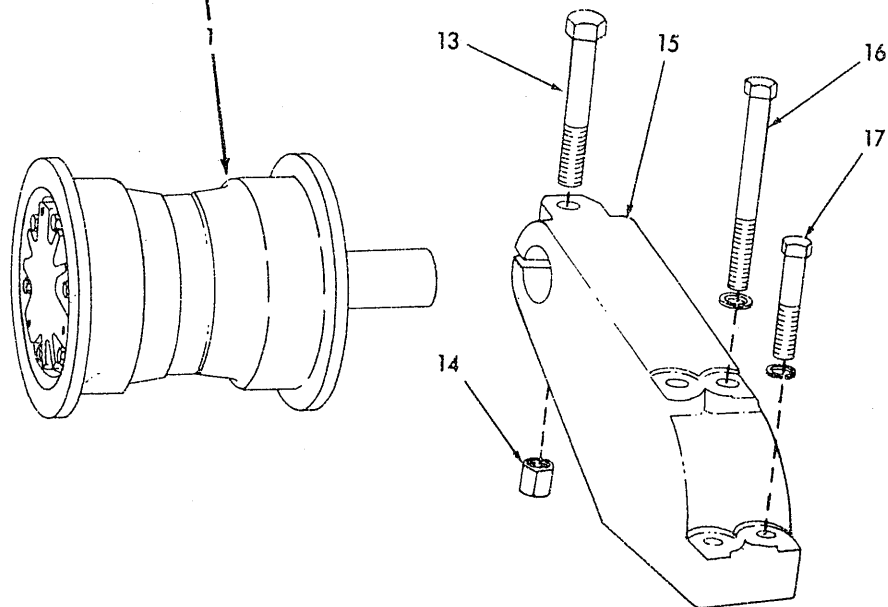
ITEM PART NO. QTY. DESCRIPTION

|   |          |    |                             |                                 |
|---|----------|----|-----------------------------|---------------------------------|
| 1 | 70699179 | 6  | ROLLER ASSY., single-flange | } Each includes items 3 thru 10 |
|   | 70699180 | 6  | ROLLER ASSY., double-flange |                                 |
| 2 | 70927423 | 56 | CAPSCREW, 3/4"NF x 5"       |                                 |
|   | 70926201 | 56 | WASHER                      |                                 |
| 3 | 70699181 | 6  | ROLLER ASSY., single-flange | } Each includes item 4          |
|   | 70699182 | 8  | ROLLER ASSY., double-flange |                                 |

NOTE: Quantities listed below are for one (1) roller only.

|     |          |   |                                                     |                                                   |
|-----|----------|---|-----------------------------------------------------|---------------------------------------------------|
| 4   | 70699190 | 2 | BUSHING, roller                                     |                                                   |
| 5   | 70699191 | 1 | SHAFT                                               |                                                   |
| 6   | 14464980 | 2 | O-RING, shaft                                       |                                                   |
| 7   | 73121457 | 2 | SEAL                                                |                                                   |
| 8   | 70699192 | 2 | RETAINER                                            |                                                   |
| 9   | 70699193 | 4 | RING, retaining                                     |                                                   |
| 10  | 04982082 | 1 | PLUG, shaft (Early design. Does not require O-RING) |                                                   |
|     | 70689291 | 1 | PLUG, shaft (Late design. Requires O-RING)          |                                                   |
| 10A | 70923847 | 1 | O-RING (Used with late design PLUG)                 |                                                   |
| 11  | 70631290 | 4 | BLOCK, attaching cap screws                         | } Not used when track roller guards are installed |
|     | 70921171 | 4 | CAPSCREW, 3/4"NF x 2-3/4"                           |                                                   |
|     | 70914726 | 4 | LOCKWASHER, 3/4"                                    |                                                   |

(Revised April 1980)



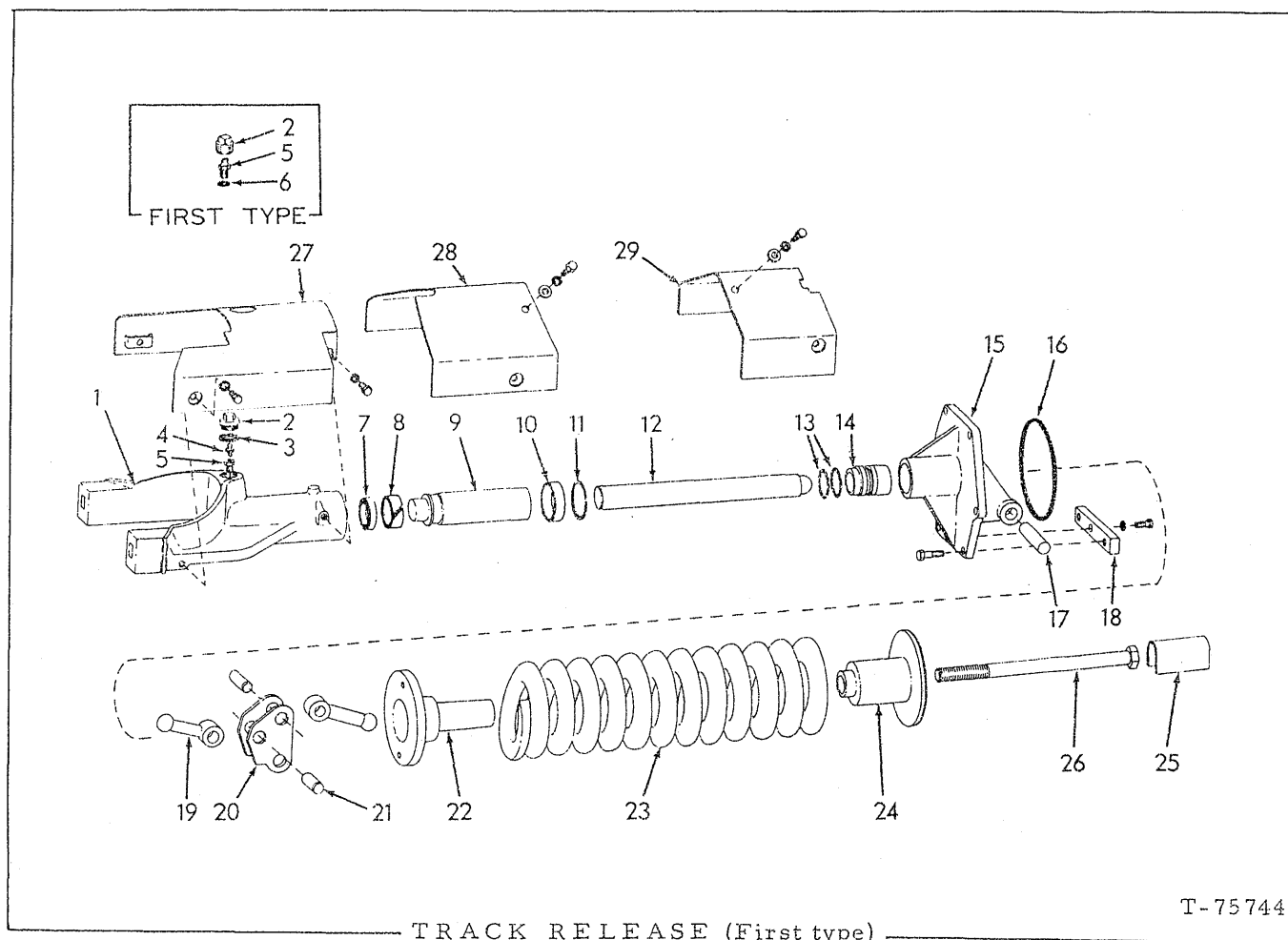
T-75875

## TRACK CARRIER ROLLER

USAGE: \*Original equipment

\*\*Service replacement

| ITEM | PART NO. | QTY. |    | DESCRIPTION                                                                              |
|------|----------|------|----|------------------------------------------------------------------------------------------|
|      |          | *    | ** |                                                                                          |
| 1    | 70671163 | 4    | -  | ROLLER ASSY. (Includes items 2 thru 12)                                                  |
|      | 73129942 | -    | 4  | ROLLER ASSY. (Includes items 2 thru 9 and 12)                                            |
| 2    | 70633268 | 4    | -  | ROLLER                                                                                   |
|      | 73129941 | -    | 4  | ROLLER                                                                                   |
| 3    | 70698977 | 4    | -  | SHAFT                                                                                    |
|      | 73129937 | -    | 4  | SHAFT                                                                                    |
|      | 73129936 | -    | 4  | NUT, 1-1/2"NF                                                                            |
|      | 73129935 | -    | 4  | RING, lock                                                                               |
|      |          |      |    | } Not illustrated                                                                        |
| 4    | 70043491 | 8    | 8  | CONE                                                                                     |
| 5    | 70074740 | 8    | 8  | CUP                                                                                      |
| 6    | 70671157 | 4    | 4  | GASKET                                                                                   |
| 7    | 70671161 | 4    | 4  | RETAINER, bearing                                                                        |
|      | 70683586 | 24   | 24 | CAPSCREW, 3/8"NF x 1-1/4"                                                                |
|      | 70910287 | -    | 24 | LOCKWASHER, 3/8"                                                                         |
| 8    | 70671158 | 4    | 4  | SEAL ASSY. (See item 18)                                                                 |
| 9    | 70671160 | 4    | 4  | RETAINER                                                                                 |
| 10   | 70655497 | 8    | -  | SHIM, .003"                                                                              |
|      | 70059618 | 12   | -  | SHIM, .007"                                                                              |
|      | 70059619 | 12   | -  | SHIM, .010"                                                                              |
|      | 70059617 | 4    | -  | SHIM, .032"                                                                              |
|      |          |      |    | } Use as required                                                                        |
| 11   | 70923586 | 4    | -  | O-RING (Tractors prior to unit #10505)                                                   |
|      | 70923931 | 4    | -  | O-RING (Tractor unit #10505 and up)                                                      |
| 12   | 70677276 | 4    | -  | RETAINER (Tractors prior to unit #10505)                                                 |
|      | 70678716 | 4    | -  | RETAINER (Tractor unit #10505 and up)                                                    |
|      | 73129938 | -    | 4  | RETAINER                                                                                 |
|      | 70683586 | 24   | 24 | CAPSCREW, 3/8"NF x 1-1/4"                                                                |
|      | 70910287 | 24   | 24 | LOCKWASHER, 3/8"                                                                         |
|      | 70904206 | -    | 4  | PLUG, pipe, ctsk.-hd., 3/8"NPT                                                           |
| 13   | 70625970 | 4    | 4  | CAPSCREW, bracket clamping (1"NF x 6")                                                   |
| 14   | 70600236 | 4    | 4  | NUT, high, 1"NF                                                                          |
| 15   | 70663260 | 4    | 4  | BRACKET                                                                                  |
| 16   | 70926601 | 8    | 8  | CAPSCREW, 3/4"NC x 8-1/2"                                                                |
| 17   | 70922458 | 8    | 8  | CAPSCREW, 3/4"NC x 3-1/2"                                                                |
|      | 70914726 | 16   | 16 | LOCKWASHER, 3/4"                                                                         |
| 18   | 70699062 | 4    | 4  | RING SET, seal (Includes 2 rubber sealing washers<br>sufficient to service 1 Seal Assy.) |



USAGE: Tractors prior to serial No. 49S12112

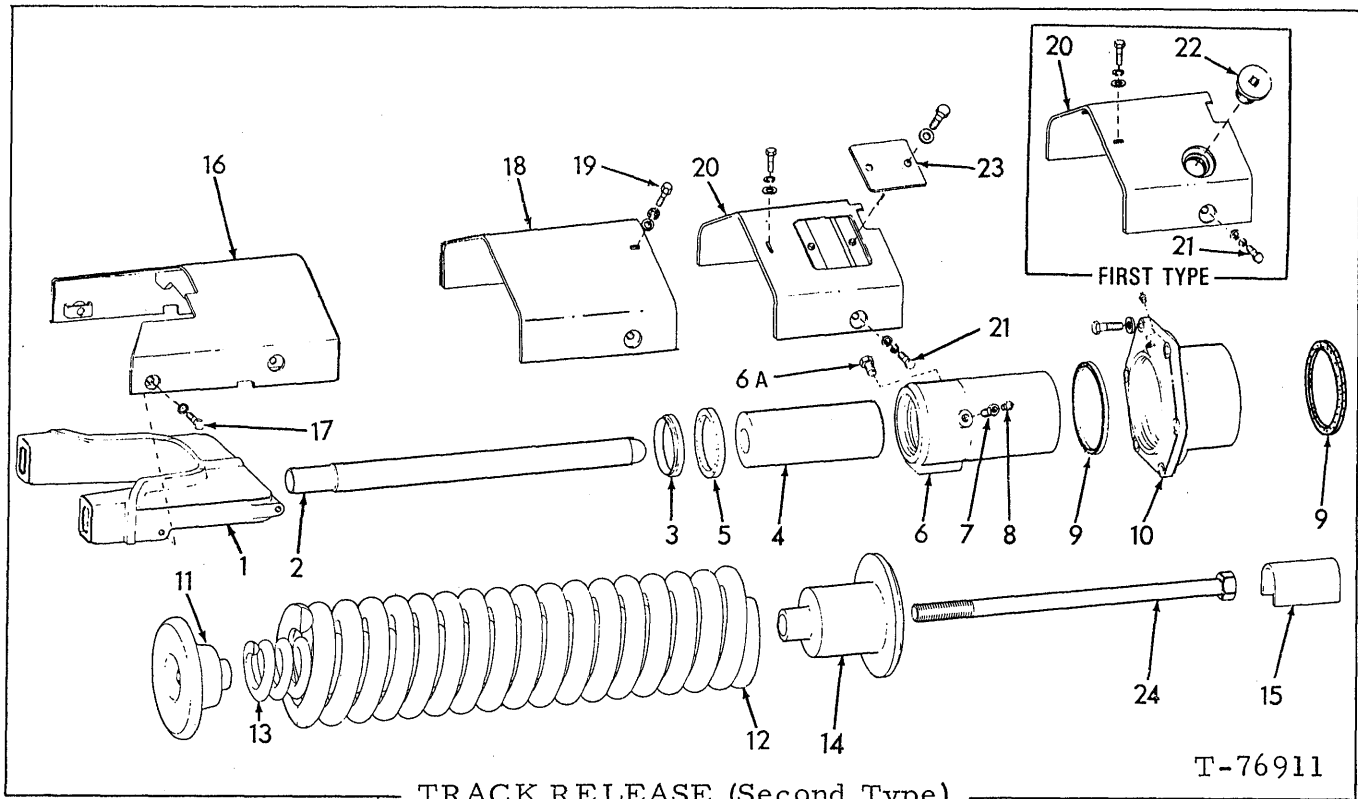
| ITEM | PART NO. | QTY. | DESCRIPTION                                                                |
|------|----------|------|----------------------------------------------------------------------------|
| 1    | 70670649 | 2    | YOKE ASSY. (Includes items 2 and 5 thru 11)(Tractors prior to unit #10310) |
|      | 70675246 | 2    | YOKE ASSY. (Includes items 2 thru 7 thru 11)(Tractors unit #10310 and up)  |
| 2    | 70665040 | 2    | PLUG, yoke (For YOKE 70670649)                                             |
|      | 70644255 | 2    | PLUG, yoke (For YOKE 70675246)                                             |
| 3    | 70623144 | 2    | GASKET, plug sealing (For YOKE 70675246)                                   |
| 4    | 70676456 | 2    | FITTING, pressurizing valve (For YOKE 70675246)                            |
| 5    | 70644330 | 2    | VALVE ASSY., pressurizing (Includes ball)(For YOKE 7067064)                |
|      | 70676455 | 2    | BALL CHECK ASSY., pressurizing ball)(For YOKE 706755246)                   |
| 6    | 70908191 | 2    | WASHER, pressurizing valve (For YOKE 70670649)                             |
| 7    | 70670648 | 2    | SEAL, piston                                                               |
| 8    | 70664171 | 2    | RING, wear, adjusting piston                                               |

(Continued)

## TRACK RELEASE (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                      |
|------|----------|------|----------------------------------|
| 9    | 70667104 | 2    | PISTON, adjusting                |
| 10   | 70664170 | 2    | RING, wear, release yoke         |
| 11   | 70065513 | 2    | RING, snap                       |
| 12   | 70667080 | 2    | BAR, push                        |
| 13   | 70923827 | 4    | O-RING, crosshead                |
| 14   | 70621299 | 2    | CROSSHEAD                        |
| 15   | 70664875 | 2    | GUIDE, crosshead                 |
|      | 70921168 | 12   | CAPSCREW, 5/8"NF x 2-1/2"        |
|      | 70912942 | 12   | LOCKWASHER, 5/8"                 |
| 16   | 70059742 | 2    | GASKET, crosshead guide          |
| 17   | 70656208 | 2    | PIN, bellcrank pivot             |
| 18   | 70059599 | 2    | BLOCK, mounting, crosshead guide |
|      | 70916028 | 2    | CAPSCREW, 1/2"NC x 1-3/4"        |
|      | 70904208 | 2    | LOCKWASHER, 1/2"                 |
| 19   | 70664844 | 4    | ROD, push                        |
| 20   | 70664847 | 2    | BELLCRANK                        |
| 21   | 70051798 | 4    | PIN, push rod                    |
| 22   | 70664815 | 2    | PLUNGER, spring                  |
| 23   | 70664879 | 2    | SPRING                           |
| 24   | 70664813 | 2    | SEAT, spring                     |
| 25   | 70664843 | 2    | LOCK, spring adjustment capscrew |
| 26   | 70059739 | 2    | CAPSCREW, spring adjustment      |
| 27   | 70661612 | 2    | GUARD, front section             |
|      | 70920582 | 8    | CAPSCREW, 1/2"NC x 1-1/4"        |
|      | 70912441 | 8    | LOCKWASHER, 1/2"                 |
| 28   | 70650082 | 2    | GUARD, intermediate section      |
|      | 70920582 | 8    | CAPSCREW, 1/2"NC x 1-1/4"        |
|      | 70912441 | 8    | LOCKWASHER, 1/2"                 |
|      | 70064531 | 4    | WASHER, plain                    |
| 29   | 70664451 | 1    | GUARD, rear section, left side   |
|      | 70664452 | 1    | GUARD, rear section, right side  |
|      | 70920582 | 8    | CAPSCREW, 1/2"NC x 1-1/4"        |
|      | 70912441 | 8    | LOCKWASHER, 1/2"                 |
|      | 70064531 | 4    | WASHER, plain                    |





TRACK RELEASE (Second Type)

T-76911

USAGE: Tractors serial No. 19S12112 and up

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                                                     |
|------|----------|------|-----------------------------------------------------------------------------------------------------------------|
| 1    | 70678420 | 2    | YOKE (Tractors prior to unit #12520)                                                                            |
|      | 70681744 | 2    | YOKE (Tractors unit #12520 and up)                                                                              |
| 2    | 70678966 | 2    | BAR, push                                                                                                       |
| 3    | 70678438 | 2    | SEAL, piston, small                                                                                             |
| 4    | 70678436 | 2    | PISTON, adjusting                                                                                               |
| 5    | 70096803 | 2    | SEAL (5-7/32" O.D.)(Tractors prior to unit #12910)                                                              |
|      | 70686912 | 2    | SEAL (4-1/2" O.D.)(Tractor unit #12910 and up)                                                                  |
| 6    | 70677810 | 2    | CYLINDER (If for first replacement on tractors prior to unit #12910, order CYLINDER 70686411 and SEAL 70686912) |
|      | 70686411 | 2    | CYLINDER (Tractor unit #12910 thru #14280)                                                                      |
|      | 70694031 | 2    | CYLINDER (Tractor unit #14281 and up)                                                                           |
| 6A   | 70693719 | 2    | VALVE, relief (Tractor unit #14281 and up)                                                                      |
| 7    | 70676455 | 2    | CHECK BALL ASSY., pressurizing (Includes ball)                                                                  |
| 8    | 70676456 | 2    | FITTING, check ball assy.                                                                                       |
| 9    | 70678437 | 4    | SEAL, cylinder                                                                                                  |
| 10   | 70678374 | 2    | HOUSING, cylinder                                                                                               |
|      | 70914465 | 2    | FITTING, lubricating, 1/8" NPT                                                                                  |
|      | 70928130 | 12   | CAPSCREW, 5/8" NF x 1-7/8"                                                                                      |
|      | 70927328 | 12   | WASHER                                                                                                          |
|      | 70696785 | 2    | HOUSING, cylinder                                                                                               |
|      | 70914465 | 2    | FITTING, lubricating, 1/8" NPT                                                                                  |
|      | 70921069 | 8    | CAPSCREW, 5/8" NC x 1-7/8"                                                                                      |
|      | 70930364 | 8    | WASHER                                                                                                          |
|      | 70928498 | 4    | CAPSCREW, 1" NC x 2-1/4"                                                                                        |
|      | 70928452 | 4    | WASHER                                                                                                          |

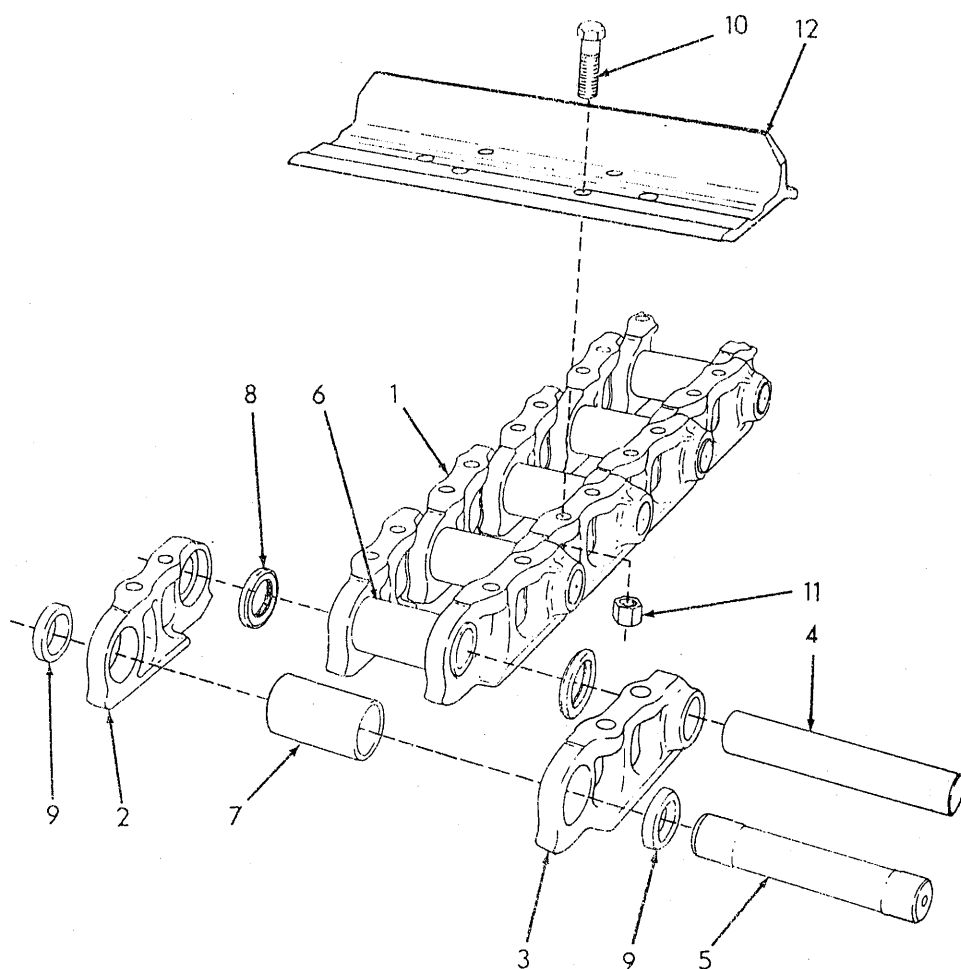
Tractors prior to unit #14927

Tractor unit #14927 and up

(Continued)

TRACK RELEASE (Second Type)(Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                                                             |
|------|----------|------|-------------------------------------------------------------------------------------------------------------------------|
| 11   | 70678846 | 2    | PLUNGER, spring                                                                                                         |
| 12   | 70673350 | 2    | SPRING, outer                                                                                                           |
| 13   | 70679637 | 2    | SPRING, inner (Tractors unit #13112 and up)                                                                             |
| 14   | 70685788 | 2    | SEAT, spring                                                                                                            |
| 15   | 70664843 | 2    | LOCK, spring adjustment capscrew                                                                                        |
| 16   | 70678958 | 2    | GUARD, front section                                                                                                    |
| 17   | 70670849 | 8    | CAPSCREW, 1/2"NC x 1-1/4"                                                                                               |
| 18   | 70678964 | 2    | GUARD, intermediate section                                                                                             |
| 19   | 70920582 | 8    | CAPSCREW, 1/2"NC x 1-1/4"                                                                                               |
|      | 70677008 | 4    | WASHER                                                                                                                  |
|      | 70912441 | 4    | LOCKWASHER, 1/2"                                                                                                        |
| 20   | 70678961 | 1    | GUARD, rear section, left side (Tractors prior to unit #13385 excluding #13373 thru #13379 and #13382)                  |
|      | 70692987 | 1    | GUARD, rear section, left side (Includes item 23) (Tractor unit #13385 and up excluding #13373 thru #13379 and #13382)  |
|      | 70678962 | 1    | GUARD, rear section, right side (Tractors prior to unit #13385 excluding #13373 thru #13379 and #13382)                 |
|      | 70692988 | 1    | GUARD, rear section, right side (Includes item 23) (Tractor unit #13385 and up including #13373 thru #13379 and #13382) |
| 21   | 70920582 | 8    | CAPSCREW, 1/2"NC x 1-1/4"                                                                                               |
|      | 70677008 | 4    | WASHER                                                                                                                  |
|      | 70912441 | 4    | LOCKWASHER, 1/2"                                                                                                        |
| 22   | 70035250 | 2    | PLUG (Tractors prior to unit #13385, excluding #13373 thru #13379 and #13382)                                           |
| 23   | 70693044 | 2    | COVER                                                                                                                   |
|      | 70920582 | 4    | CAPSCREW, 1/2"NC x 1-1/4"                                                                                               |
|      | 70677008 | 4    | WASHER                                                                                                                  |
|      |          |      | } Tractor unit #13385 and up including #13373 thru #13379 and #13382                                                    |
| 24   | 70678428 | 2    | CAPSCREW, spring adjustment                                                                                             |



T-10684

TRACK

\* Optional (Sealed type)  
 \*\* Standard (Unsealed type)

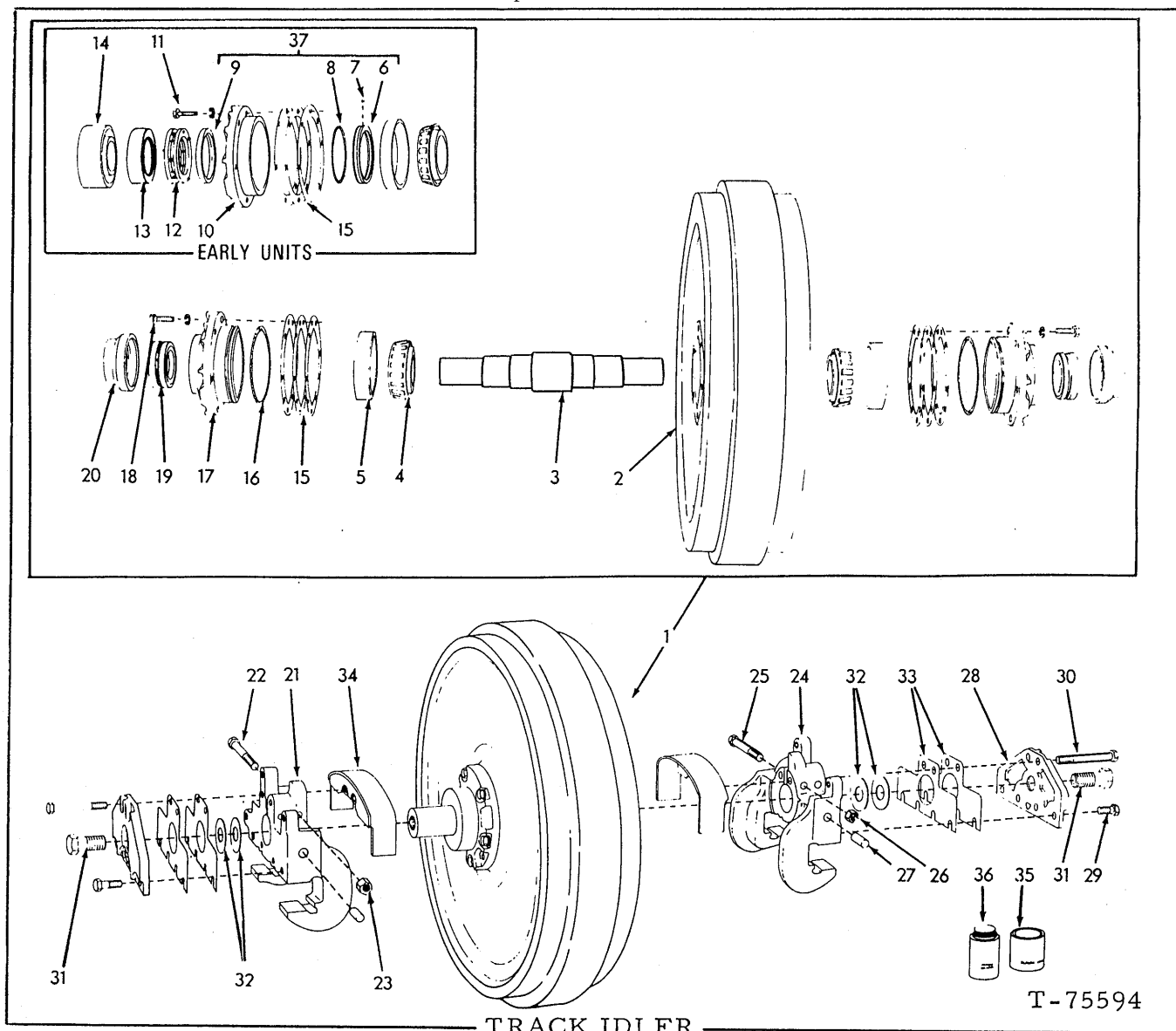
| ITEM | PART NO. | QTY. |    | DESCRIPTION                                                           |
|------|----------|------|----|-----------------------------------------------------------------------|
|      |          | *    | ** |                                                                       |
| 1    | 70677560 | 2    | -  | CHAIN ASSY. (41 links)(Consists of items 2 thru 8)                    |
|      | 70679815 | -    | 2  | CHAIN ASSY. (41 links)(Consists of items 2 thru 7 and 9)              |
| 2    | 70676871 | 80   | 80 | LINK, left                                                            |
|      | 70677491 | 2    | 2  | LINK, master, left (3/8" wide spacer)(Tractors prior to unit #14866)  |
|      | 70676871 | 2    | 2  | LINK, master, left (1/2" wide spacer)(Tractor unit #14866 and up)     |
| 3    | 70676872 | 80   | 80 | LINK, right                                                           |
|      | 70677492 | 2    | 2  | LINK, master, right (3/8" wide spacer)(Tractors prior to unit #14866) |
|      | 70676872 | 2    | 2  | LINK, master, right (1/2" wide spacer)(Tractor unit #14866 and up)    |

(Continued)

(Revised April 1980)

| ITEM | PART NO. | QTY. |     | DESCRIPTION                                                        |                |          |
|------|----------|------|-----|--------------------------------------------------------------------|----------------|----------|
|      |          | *    | **  |                                                                    |                |          |
| 4    | 70633365 | 80   | 80  | PIN (10-1/4" long)                                                 |                |          |
| 5    | 70665383 | 2    | 2   | PIN, master (10-1/4" long)                                         |                |          |
| 6    | 70645920 | 80   | -   | BUSHING (6-15/16" long)                                            |                |          |
|      | 70633364 | -    | 80  | BUSHING (7-3/4" long)                                              |                |          |
| 7    | 70645947 | 2    | 2   | BUSHING, master (6-3/4" long)                                      |                |          |
| 8    | 70668466 | 164  | —   | SEAL                                                               |                |          |
| 9    | 70679734 | -    | 4   | SPACER, master bushing (3/8" thick)(Tractors prior to unit #14866) |                |          |
|      | 70633266 | -    | 4   | SPACER, master bushing (1/2" thick)(Tractor unit #14866 and up)    |                |          |
| 10   | 70097324 | 328  | 328 | BOLT, track shoe (3/4" NF x 2-1/2")                                |                |          |
| 11   | 70683232 | 328  | 328 | NUT, 3/4" NF                                                       |                |          |
|      |          |      |     | COMPLETE TRACK ASSEMBLIES WITH SHOES (2 Required)                  |                |          |
|      |          |      |     | * **                                                               |                |          |
|      |          |      |     | TRACK SHOES                                                        |                |          |
| 12   | 70633380 | 82   | 82  | SHOE, grouser, 18" . . . . .                                       | 70677518 . . . | 70682033 |
|      | 70633270 | 82   | 82  | SHOE, grouser, 20" . . . . .                                       | 70677495 . . . | 70679816 |
|      | 70668882 | 82   | 82  | SHOE, grouser, 20" (Severe service) . . . . .                      | 70677511 . . . | 70679817 |
|      | 70633355 | 82   | 82  | SHOE, grouser, 22" . . . . .                                       | 70677520 . . . | 70682034 |
|      | 70668881 | 82   | 82  | SHOE, grouser, 22" (Severe service) . . . . .                      | 70677509 . . . | 70682035 |
|      | 70633390 | 82   | 82  | SHOE, grouser, 24" . . . . .                                       | 70677519 . . . | 70682036 |
|      | 70669193 | 82   | 82  | SHOE, grouser, 24" (Severe service) . . . . .                      | 70677605 . . . | 70682037 |
|      | 70679159 | 82   | 82  | SHOE, grouser, 28" . . . . .                                       | 70679160 . . . | 70682038 |

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.



\*Tractors prior to S/N 19S14882  
 \*\*Tractors S/N 19S14882 and up

| ITEM | PART NO. | QTY. | DESCRIPTION                                      |
|------|----------|------|--------------------------------------------------|
|      |          | * ** |                                                  |
| 1    | 70665317 | 2 -  | IDLER ASSY., track (Consists of items 2 thru 20) |
|      | 70696168 | - 2  | IDLER ASSY., track (Consists of items 2 thru 20) |
| 2    | 70669703 | 2 -  | IDLER                                            |
|      | 70696161 | - 2  | IDLER                                            |
| 3    | 70676364 | 2 -  | SHAFT (3-1/4" O. D.)                             |
|      | 70696167 | - 2  | SHAFT (3-3/4" O. D.)                             |
| 4    | 70669786 | 4 -  | CONE ASSY., bearing (2-1/2" I. D.)               |
|      | 70076296 | - 4  | CONE ASSY., bearing (3" I. D.)                   |
| 5    | 70069328 | 4 -  | CUP, bearing (5-3/8" O. D.)                      |
|      | 70604398 | - 4  | CUP, bearing (5-7/8" O. D.)                      |
| 6    | 70670623 | 4 -  | □RING, seal, inner                               |
| 7    | 70905357 | 4 -  | □BALL, steel, 3/16" diam.                        |

(Continued)

| ITEM | PART NO. | QTY.  | DESCRIPTION                                                                                  |
|------|----------|-------|----------------------------------------------------------------------------------------------|
|      |          | * **  |                                                                                              |
| 8    | 70067137 | 4 -   | O-RING, seal ring                                                                            |
| 9    | 70051623 | 4 -   | O-RING, seal, outer                                                                          |
| 10   | 70067141 | 4 -   | RETAINER, bearing                                                                            |
| 11   | 70922726 | 24 -  | CAPSCREW, 1/2"NF x 1-1/2"                                                                    |
|      | 70912441 | 24 -  | LOCKWASHER, 1/2"                                                                             |
| 12   | 70051959 | 4 -   | SPRING ASSY., seal (Serviced only<br>as a unit)                                              |
| 13   | 70051629 | 4 -   | BOOT, seal                                                                                   |
| 14   | 70099506 | 4 -   | RETAINER, seal                                                                               |
| 15   | 70655528 | 4 4   | SHIM, bearing adjustment (.003" thick)                                                       |
|      | 70059387 | 8 8   | SHIM, bearing adjustment (.007" thick)                                                       |
|      | 70059386 | 12 12 | SHIM, bearing adjustment (.010" thick)                                                       |
|      | 70059385 | 4 4   | SHIM, bearing adjustment (.032" thick)                                                       |
| 16   | 70924138 | 4 -   | O-RING, retainer                                                                             |
|      | 70923825 | - 4   | O-RING, retainer                                                                             |
| 17   | 70677694 | 4 -   | RETAINER, bearing                                                                            |
|      | 70696166 | - 4   | RETAINER, bearing                                                                            |
| 18   | 70922726 | 24 -  | CAPSCREW, 1/2"NF x 1-1/2"                                                                    |
|      | 70670849 | - 24  | CAPSCREW                                                                                     |
|      | 70912441 | 24 -  | LOCKWASHER, 1/2"                                                                             |
| 19   | 70670071 | 4 4   | SEAL ASSY. (Each includes two seals. See<br>item 38)                                         |
| 20   | 70677696 | 4 -   | RETAINER, seal                                                                               |
|      | 73107848 | - 4   | RETAINER, seal                                                                               |
| 21   | 70657777 | 2 2   | BRACKET ASSY., left (Includes item 27)(Tractors<br>prior to unit #12520)                     |
|      | 70683835 | 2 2   | BRACKET ASSY., left (Includes item 27)(Tractors<br>unit #12520 and up)                       |
| 22   | 70922319 | 4 4   | CAPSCREW, 5/8"NF x 5"                                                                        |
| 23   | 70072366 | 4 4   | NUT, high, 5/8"NF                                                                            |
| 24   | 70657778 | 2 2   | BRACKET ASSY., right (Includes item 27)(Tractor<br>prior to unit # 12520)                    |
|      | 70683836 | 2 2   | BRACKET ASSY., right (Includes item 27)(Tractors<br>unit 12520 and up)                       |
| 25   | 70922319 | 4 4   | CAPSCREW, 5/8"NF x 5"                                                                        |
| 26   | 70072366 | 4 4   | NUT, high, 5/8"NF                                                                            |
| 27   | 70056585 | 4 4   | PIN, dowel, idler bracket to release yoke                                                    |
| 28   | 70669298 | 4 4   | PLATE, guide                                                                                 |
| 29   | 70923884 | 16 16 | CAPSCREW, 5/8"NF x 1-1/2"                                                                    |
| 30   | 70921404 | 8 8   | CAPSCREW, 5/8"NC x 4"                                                                        |
|      | 70911029 | 8 8   | NUT, 5/8"NC (Not used with special idler guard)                                              |
| 31   | 70926566 | 4 4   | CAPSCREW, idler adjustment (1"NF x 2")                                                       |
| 32   | 70669302 | 12 12 | SHIM, idler adjustment (1/16" thick)                                                         |
|      | 70669303 | 12 12 | SHIM, idler adjustment (1/32" thick)                                                         |
| 33   | 70655990 | 8 8   | SHIM, guide plate (1/32" thick)                                                              |
|      | 70655989 | 4 4   | SHIM, guide plate (1/16" thick)                                                              |
| 34   | 70669791 | 4 4   | GUARD (Special equipment)                                                                    |
| 35   | 70033288 | - -   | CEMENT, neoprene, 1/2 pint can                                                               |
| 36   | 70054890 | - -   | SOLVENT, neoprene cement, 1/2<br>pint can                                                    |
| 37   | 70083209 | 2 2   | SEAL KIT (Includes parts for one (1) idler only;<br>items 6 thru 9)                          |
| 38   | 70690649 | 4 4   | RINGKIT, seal (Each includes 2 rubber sealing<br>washers sufficient to service 1 Seal Assy.) |

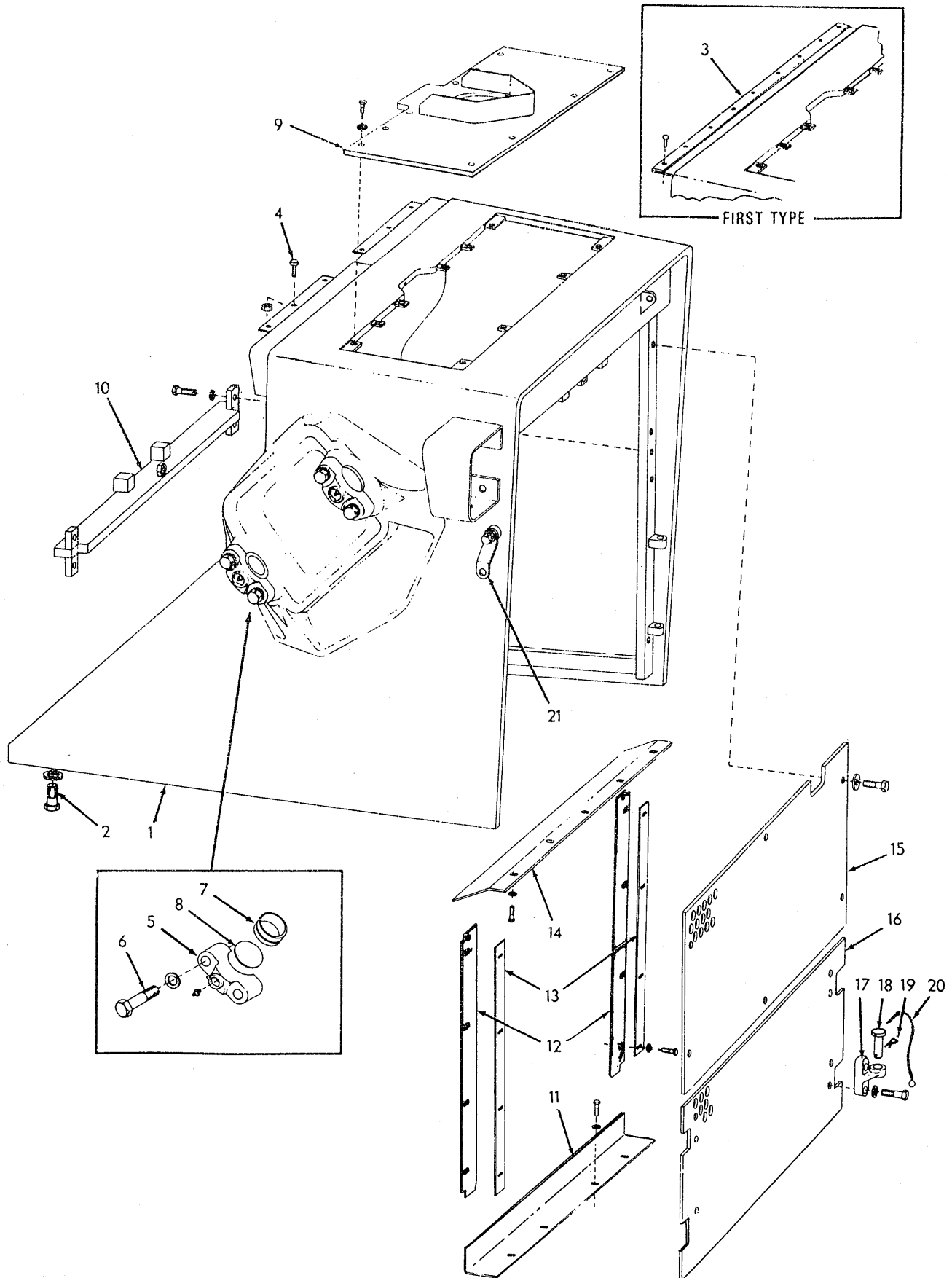
Use as  
required

Late  
units

For cementing  
seal boots

□Component of item 37

(Revised August 1977)



T-75752

## - R A D I A T O R   G U A R D

https://truckmanualshub.com/  
RADIATOR GUARD

USAGE: All units except those equipped with cable-operated dozer

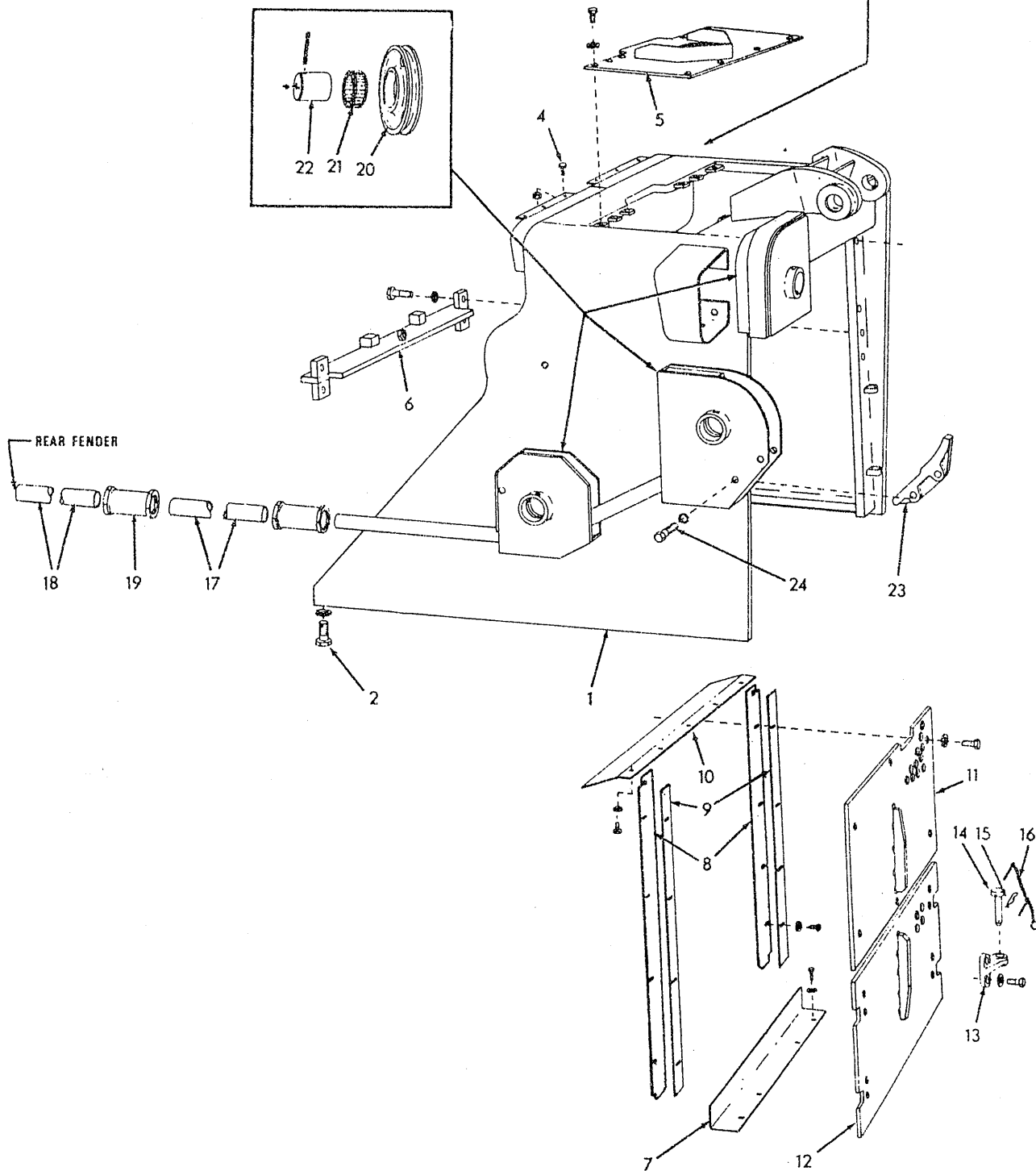
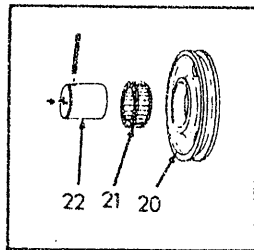
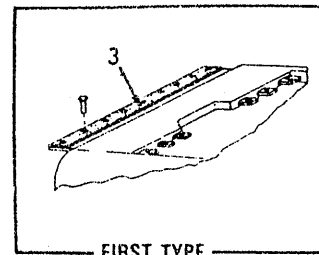
| ITEM | PART NO. | QTY. | DESCRIPTION                                                          |                                                                                                         |
|------|----------|------|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| 1    | 70677905 | 1    | GUARD, radiator (For units without dozer)                            | Tractors prior to unit #11528. If for tractors prior to unit #10497 including #10500 also order item 4. |
|      | 70677900 | 1    | GUARD ASSY. (Includes items 5 and 6)(For units with hydraulic dozer) |                                                                                                         |
|      | 70679549 | 1    | GUARD, radiator (For units without dozer)                            | Tractor unit #11528 and up                                                                              |
|      | 70679664 | 1    | GUARD ASSY. (Includes item 5 and 6)(For units with hydraulic dozer)  |                                                                                                         |
| 2    | 70927487 | 12   | CAPSCREW, 1-1/4"NC x 3"                                              |                                                                                                         |
|      | 70928453 | 12   | WASHER, plain                                                        |                                                                                                         |
| 3    | 70668803 | 1    | PAD, friction                                                        | Tractors prior to unit #10497 including #10500                                                          |
|      | 70678287 | 9    | ANCHOR, friction pad                                                 |                                                                                                         |
| 4    | 70677885 | 7    | BUTTON, bumper, hood                                                 | Tractor unit #10497 and up excluding #10500                                                             |
|      | 70917730 | 7    | NUT, elastic stop, 1/4"NC                                            |                                                                                                         |
| 5    | 70085140 | 4    | CAP, trunnion                                                        | For GUARDS 70677900 and 70679664 only                                                                   |
|      | 70914465 | 4    | FITTING, lubricating, straight, 1/8"NPT                              |                                                                                                         |
| 6    | 70036546 | 8    | CAPSCREW, 1"NF x 4-1/4"                                              |                                                                                                         |
|      | 70910916 | 8    | LOCKWASHER, 1"                                                       |                                                                                                         |
| 7    | 70084581 | 4    | BUSHING, trunnion                                                    |                                                                                                         |
| 8    | 70084612 | 4    | PLATE, retaining, trunnion bushing                                   |                                                                                                         |
| 9    | 70669718 | 1    | COVER, top closure                                                   |                                                                                                         |
|      | 70922763 | 10   | CAPSCREW, 3/8"NC x 1"                                                |                                                                                                         |
|      | 70683421 | 10   | WASHER, plain                                                        |                                                                                                         |
| 10   | 70661739 | 1    | BAR, front closure plate supporting                                  |                                                                                                         |
|      | 70921556 | 4    | CAPSCREW, 1/2"NC x 2"                                                |                                                                                                         |
|      | 70677008 | 4    | WASHER, plain                                                        |                                                                                                         |
| 11   | 70662069 | 1    | BAFFLE, air, lower (Tractors prior to unit #11503)                   |                                                                                                         |
|      | 70678234 | 1    | BAFFLE, air, lower (Tractors unit #11503 and up)                     |                                                                                                         |
|      | 70921076 | 4    | CAPSCREW, 3/8"NC x 1-1/4"                                            |                                                                                                         |
|      | 70677006 | 4    | WASHER, plain                                                        |                                                                                                         |
| 12   | 70662076 | 2    | BAFFLE, air, side (Tractors prior to unit #10517)                    |                                                                                                         |
|      | 70678583 | 2    | BAFFLE, air, side (Tractors unit #10517 and up)                      |                                                                                                         |
|      | 70927373 | 8    | CAPSCREW, 5/16"NC x 7/8"                                             |                                                                                                         |
|      | 70677005 | 8    | WASHER, plain                                                        |                                                                                                         |
| 13   | 70677750 | 2    | STRIP, side baffle (Tractors unit #10517 and up)                     |                                                                                                         |
| 14   | 70662080 | 1    | BAFFLE, air, upper                                                   |                                                                                                         |
|      | 70922763 | 5    | CAPSCREW, 3/8"NC x 1"                                                |                                                                                                         |
|      | 70677006 | 5    | WASHER, plain                                                        |                                                                                                         |

(Continued)



| ITEM | PART NO. | QTY. | DESCRIPTION                                                                               |
|------|----------|------|-------------------------------------------------------------------------------------------|
| 15   | 70661744 | 1    | GRILL, front closure, upper (Standard)                                                    |
|      | 70927519 | 6    | CAPSCREW, Nylok, 5/8"NC x 1-1/2"                                                          |
|      | 70677010 | 6    | WASHER, plain                                                                             |
|      | 70679417 | 1    | GRILL, front closure, upper (Optional, Severe-service)                                    |
|      | 70926744 | 6    | CAPSCREW, Nylok, 5/8"NC x 1-3/4"                                                          |
|      | 70677010 | 6    | WASHER, plain                                                                             |
| 16   | 70668557 | 1    | GRILL, front closure, lower (Standard)                                                    |
|      | 70679418 | 1    | GRILL, front closure, lower (Optional. Severe service)                                    |
| 17   | 70667159 | 4    | BRACKET, hinge bottom closure plate                                                       |
|      | 70922509 | 8    | CAPSCREW, Nylok, 1/2"NC x 1-3/4"                                                          |
|      | 70677008 | 8    | WASHER, plain                                                                             |
| 18   | 70643124 | 4    | PIN, hinge                                                                                |
| 19   | 70920570 | 4    | PIN, hinge pin retaining                                                                  |
| 20   | 70643229 | 4    | CHAIN ASSY., hinge pin (Serviced only as a unit)                                          |
| 21   | 70660513 | 2    | STRAP, cylinder ti-down (Used only when transporting tractor<br>with dozer blade removed) |
|      | 70920574 | 2    | CAPSCREW, 1/2"NC x 1-3/8"                                                                 |
|      | 70677008 | 2    | WASHER                                                                                    |

"ALWAYS GIVE MODEL AND SERIAL NUMBER WHEN ORDERING PARTS"



RADIATOR GUARD

T-75755

(Revised February 1976)

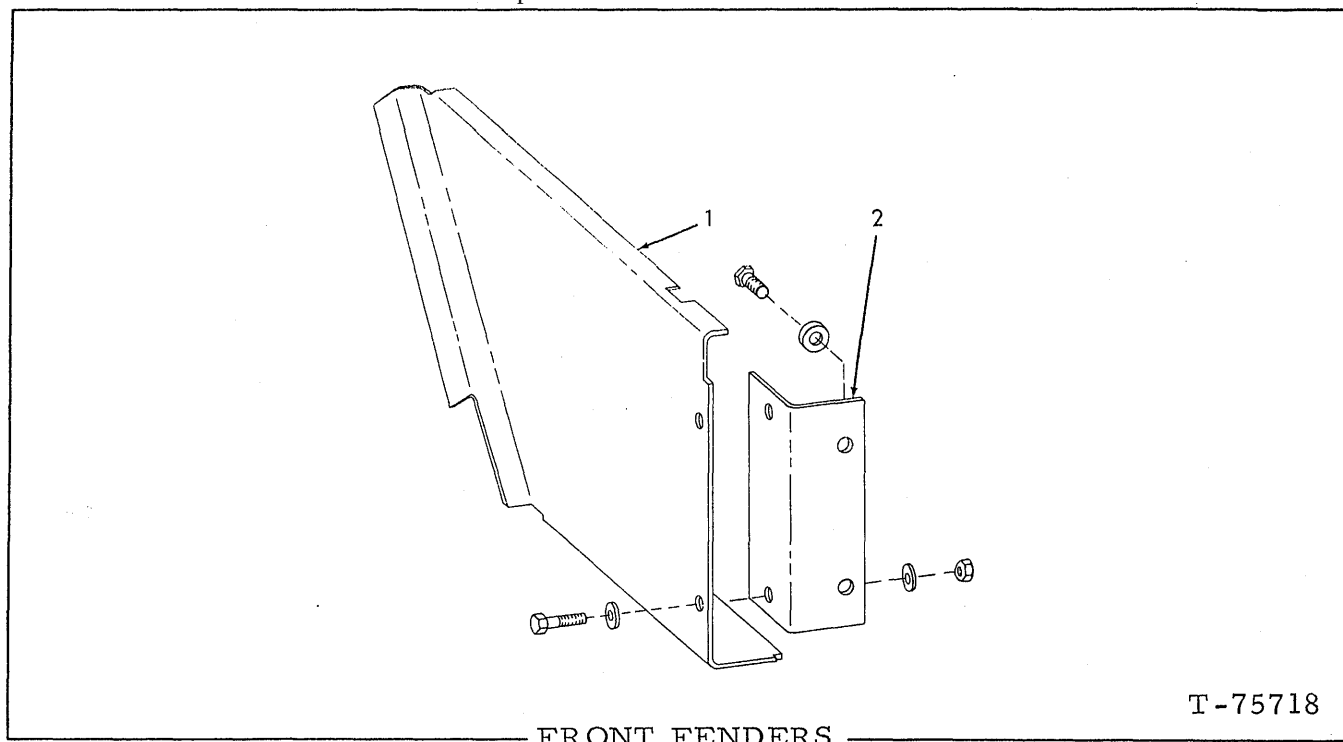
USAGE: For units equipped with cable dozer

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                                                              |
|------|----------|------|--------------------------------------------------------------------------------------------------------------------------|
| 1    | 70677932 | 1    | GUARD, radiator (Tractors prior to unit #11528. If for tractors prior to unit #10497 including #10500 also order item 4) |
|      | 70679695 | 1    | GUARD, radiator (Tractor unit #11528 and up)                                                                             |
| 2    | 70927487 | 12   | CAPSCREW, 1-1/4"NC x 3"                                                                                                  |
|      | 70928453 | 12   | WASHER, plain                                                                                                            |
| 3    | 70668803 | 1    | PAD, friction                                                                                                            |
|      | 70678287 | 9    | ANCHOR, friction pad                                                                                                     |
|      |          |      | Tractors prior to unit #10497 including #10500                                                                           |
| 4    | 70677885 | 7    | BUTTON, bumper, hood                                                                                                     |
|      | 70917730 | 7    | NUT, elastic stop, 1/4"NC                                                                                                |
|      |          |      | Tractor unit #10497 and up excluding #10500                                                                              |
| 5    | 70669718 | 1    | COVER, top closure                                                                                                       |
|      | 70922763 | 10   | CAPSCREW, 3/8"NC x 1"                                                                                                    |
|      | 70683421 | 10   | WASHER, plain                                                                                                            |
| 6    | 70661739 | 1    | BAR, front closure plate supporting                                                                                      |
|      | 70921556 | 4    | CAPSCREW, 1/2"NC x 2"                                                                                                    |
|      | 70677008 | 4    | WASHER, plain                                                                                                            |
| 7    | 70662069 | 1    | BAFFLE, air, lower (Tractors prior to unit #11503)                                                                       |
|      | 70678234 | 1    | BAFFLE, air, lower (Tractor unit #11503 and up)                                                                          |
|      | 70921076 | 4    | CAPSCREW, 3/8"NC x 1-1/4"                                                                                                |
|      | 70677006 | 4    | WASHER, plain                                                                                                            |
| 8    | 70662076 | 2    | BAFFLE, air, side (Tractors prior to unit #10517)                                                                        |
|      | 70678583 | 2    | BAFFLE, air, side (Tractor unit #10517 and up)                                                                           |
|      | 70927373 | 8    | CAPSCREW, 5/16"NC x 7/8"                                                                                                 |
|      | 70677006 | 8    | WASHER, plain                                                                                                            |
| 9    | 70677750 | 2    | STRIP, side baffle (Tractor unit #10517 and up)                                                                          |
| 10   | 70662080 | 1    | BAFFLE, air, upper                                                                                                       |
|      | 70922763 | 5    | CAPSCREW, 3/8"NC x 1"                                                                                                    |
|      | 70677006 | 5    | WASHER, plain                                                                                                            |
| 11   | 70666092 | 1    | GRILL, front closure, upper                                                                                              |
|      | 70927159 | 6    | CAPSCREW, Nylok, 5/8"NC x 1-1/2"                                                                                         |
|      | 70677010 | 6    | WASHER, plain                                                                                                            |
| 12   | 70666093 | 1    | GRILL, front closure, lower                                                                                              |
| 13   | 70667159 | 4    | BRACKET, hinge, bottom closure plate                                                                                     |
|      | 70922509 | 8    | CAPSCREW, Nylok, 1/2"NC x 1-3/4"                                                                                         |
|      | 70677008 | 8    | WASHER, plain                                                                                                            |
| 14   | 70643124 | 4    | PIN, hinge                                                                                                               |
| 15   | 70920570 | 4    | PIN, hinge pin retaining                                                                                                 |
| 16   | 70643229 | 4    | CHAIN ASSY., hinge pin (Serviced only as a unit)                                                                         |

(Continued)

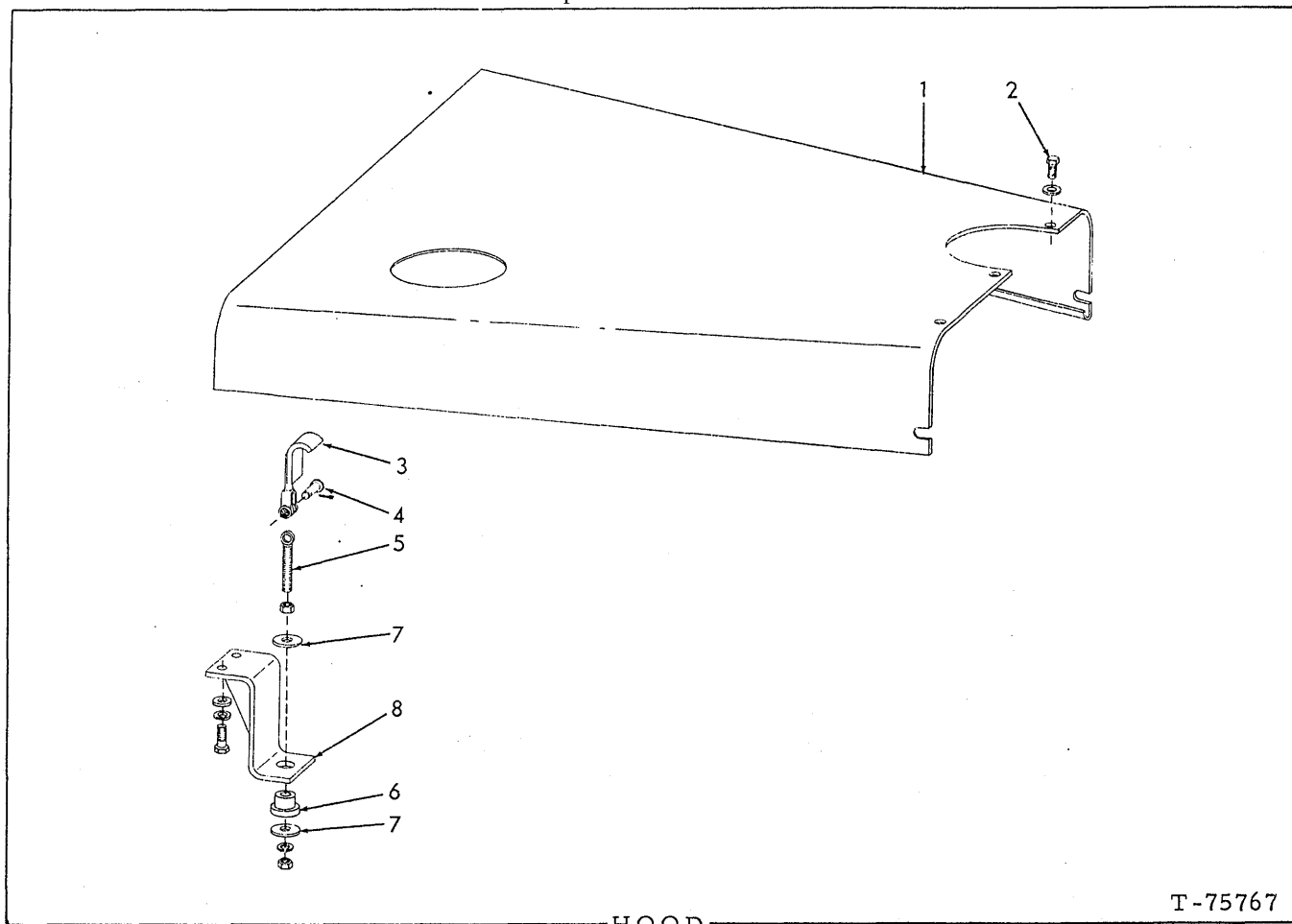
RADIATOR GUARD (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                    |
|------|----------|------|------------------------------------------------|
| 17   | 70670270 | 1    | PIPE, protecting, cable (front)                |
| 18   | 70669430 | 1    | PIPE, protecting, cable (rear)                 |
| 19   | 70665394 | 2    | COUPLING ASSY., pipe (Includes nuts and seals) |
| 20   | 70084758 | 3    | SHEAVE, control cable                          |
| 21   | 70044875 | 3    | BEARING, roller, cable sheave                  |
| 22   | 70665364 | 3    | SHAFT, sheave                                  |
|      | 70917936 | 3    | PIN, spring, 3/8" x 3-1/2"                     |
|      | 70914465 | 3    | FITTING, lubricating, straight, 1/8"NPT        |
| 23   | 70084694 | 1    | GUIDE, cable                                   |
| 24   | 70921174 | 2    | CAPSCREW, 5/8"NC x 2-1/2"                      |
|      | 70904209 | 2    | LOCKWASHER, 5/8"                               |



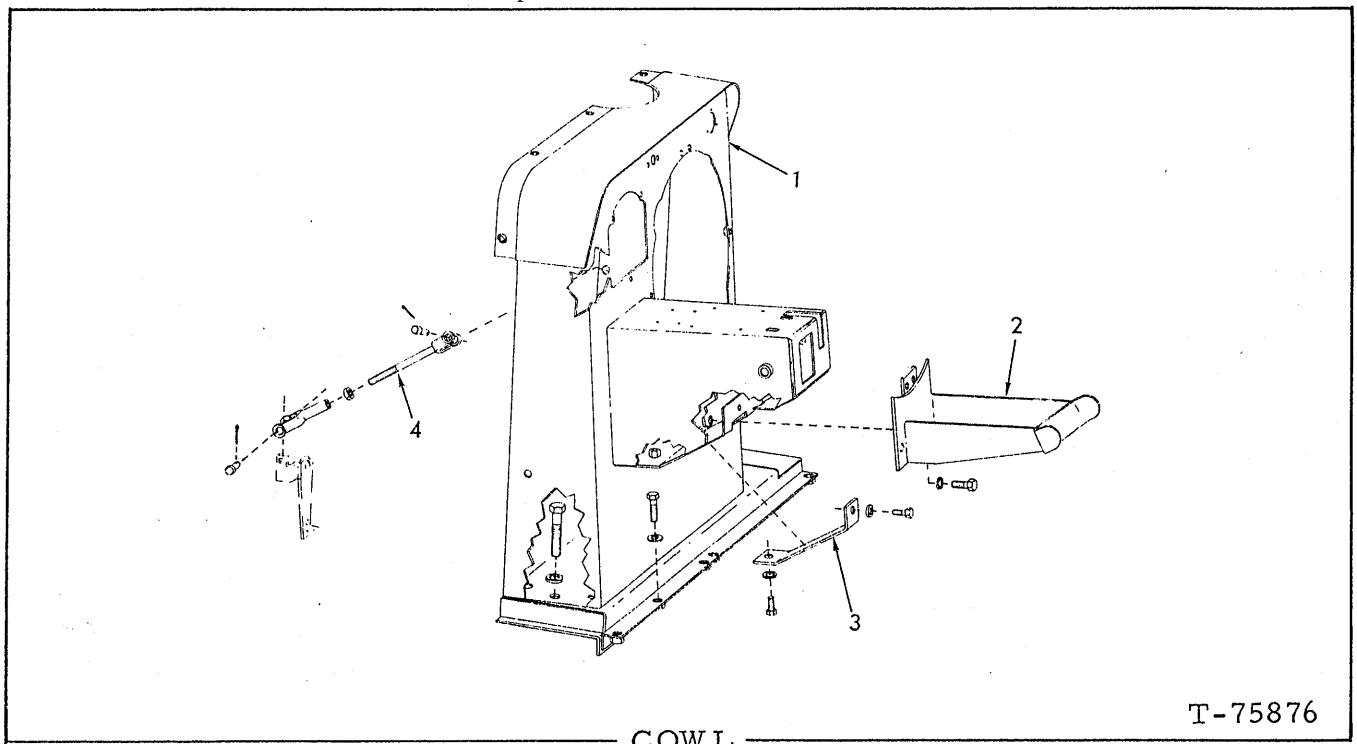
| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|-------------|
|------|----------|------|-------------|

|   |          |   |                           |
|---|----------|---|---------------------------|
| 1 | 70662043 | 1 | FENDER, left side         |
|   | 70662044 | 1 | FENDER, right side        |
|   | 70920585 | 4 | CAPSCREW, 1/2"NC x 1-3/4" |
|   | 70677008 | 8 | WASHER                    |
|   | 70911028 | 4 | NUT, 1/2"NC               |
| 2 | 70662049 | 2 | ANGLE, fender attaching   |
|   | 70920585 | 4 | CAPSCREW, 1/2"NC x 1-3/4" |
|   | 70677008 | 4 | WASHER                    |



| ITEM | PART NO. | QTY. | DESCRIPTION                                     |
|------|----------|------|-------------------------------------------------|
| 1    | 70666166 | 1    | HOOD, engine (Tractors prior to unit #11528)    |
|      | 70679578 | 1    | HOOD, engine (Tractors unit #11528 thru #13608) |
|      | 70692106 | 1    | HOOD, engine (Tractors unit #13609 and up)      |
| 2    | 70928873 | 5    | CAPSCREW, 1/2"NC x 1"                           |
|      | 70929379 | 5    | WASHER, plain                                   |
| 3    | 70664624 | 2    | HOOK, hold-down                                 |
| 4    | 70917648 | 2    | PIN, pivot, hook                                |
|      | 70900806 | 2    | PIN, cotter                                     |
| 5    | 70668541 | 2    | ROD, hold-down hook                             |
|      | 70911028 | 4    | NUT, 1/2"NC                                     |
| 6    | 70642441 | 2    | SNUBBER, vibration, hold-down                   |
| 7    | 70929380 | 4    | WASHER, snubber                                 |
| 8    | 70667475 | 2    | BRACKET, mounting, hold-down                    |
|      | 70920583 | 4    | CAPSCREW, 1/2"NC x 1-1/2"                       |
|      | 70912441 | 4    | LOCKWASHER, 1/2"                                |
|      | 70677008 | 4    | WASHER, plain                                   |

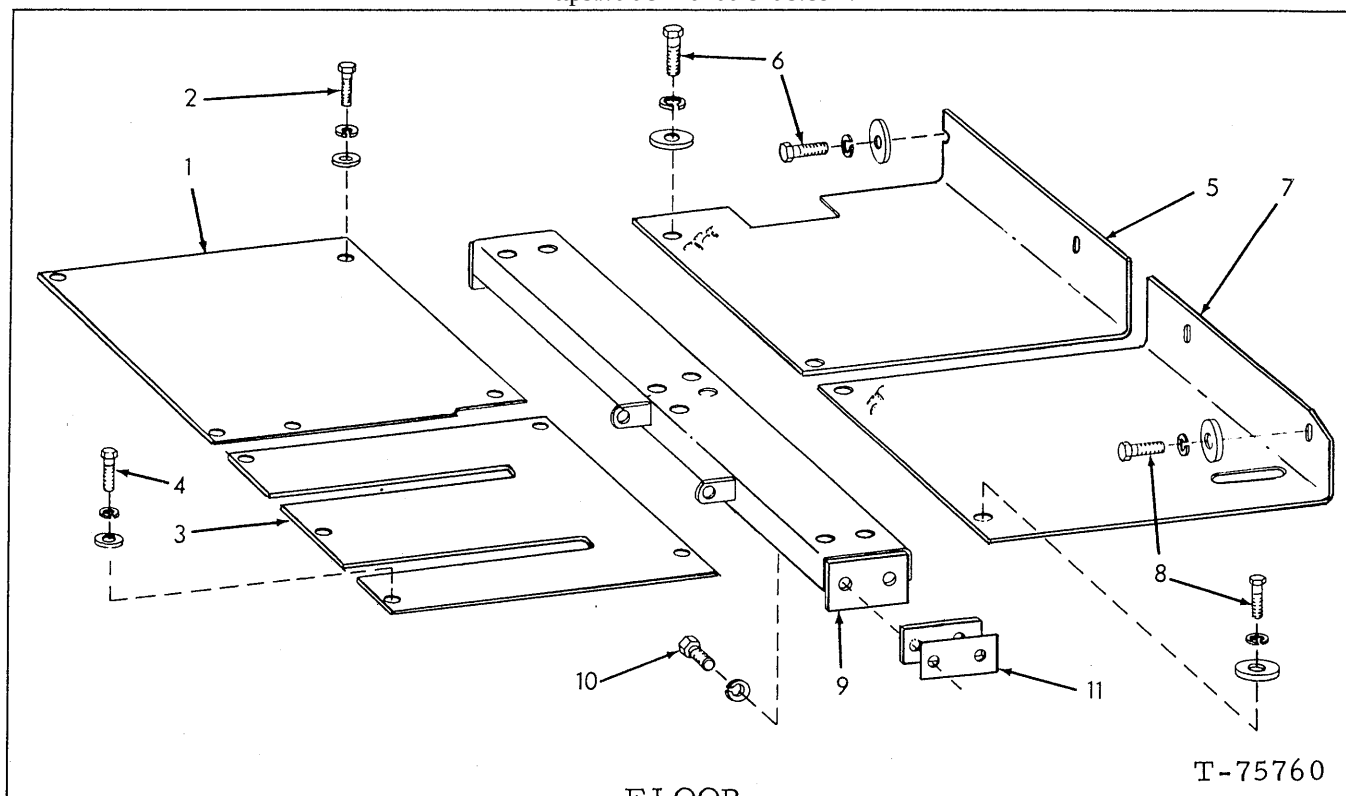
NOTE: See PAINTING AND MARKING for transfers



| ITEM | PART NO. | QTY. | DESCRIPTION                             |
|------|----------|------|-----------------------------------------|
| 1    | 70659740 | 1    | COWL (Tractors prior to unit #12124)    |
|      | 70682861 | 1    | COWL (Tractors unit #12124 thru #14885) |
|      | 70695116 | 1    | COWL (Tractor unit #14886 and up)       |
|      | 70920582 | 4    | CAPSCREW, 1/2" NC x 1-1/4"              |
|      | 70677008 | 4    | WASHER                                  |
|      | 70921597 | 3    | CAPSCREW, 5/8" NC x 3"                  |
|      | 70677010 | 3    | WASHER                                  |
| 2    | 70671847 | 1    | REST, right foot                        |
|      | 70920582 | 2    | CAPSCREW, 1/2" NC x 1-1/4"              |
|      | 70912441 | 2    | LOCKWASHER, 1/2"                        |
| 3    | 70656921 | 1    | COVER, access                           |
|      | 70922763 | 2    | CAPSCREW, 3/8" NC x 1"                  |
|      | 70677006 | 2    | WASHER                                  |
| 4    | 70671903 | 1    | ROD, cowl bracing                       |
|      | 70913830 | 1    | NUT, jam, 1/2" NF                       |
|      | 70917666 | 1    | YOKE, rod end, adjustable, 1/2" NF      |
|      | 70917648 | 2    | PIN, yoke, 1/2" diam.                   |
|      | 70900806 | 2    | PIN, cotter, 1/8" x 1"                  |

NOTE: See PAINTING AND MARKING for transfers

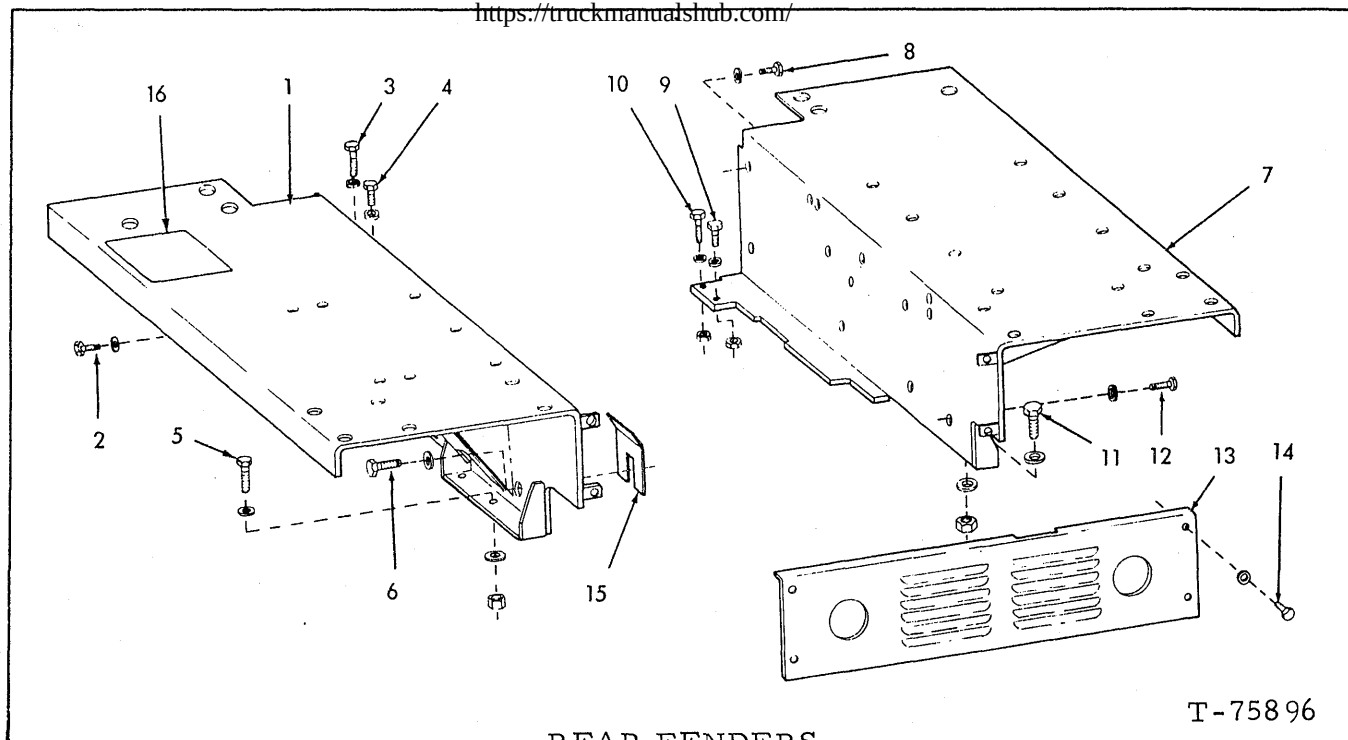




T-75760

FLOOR

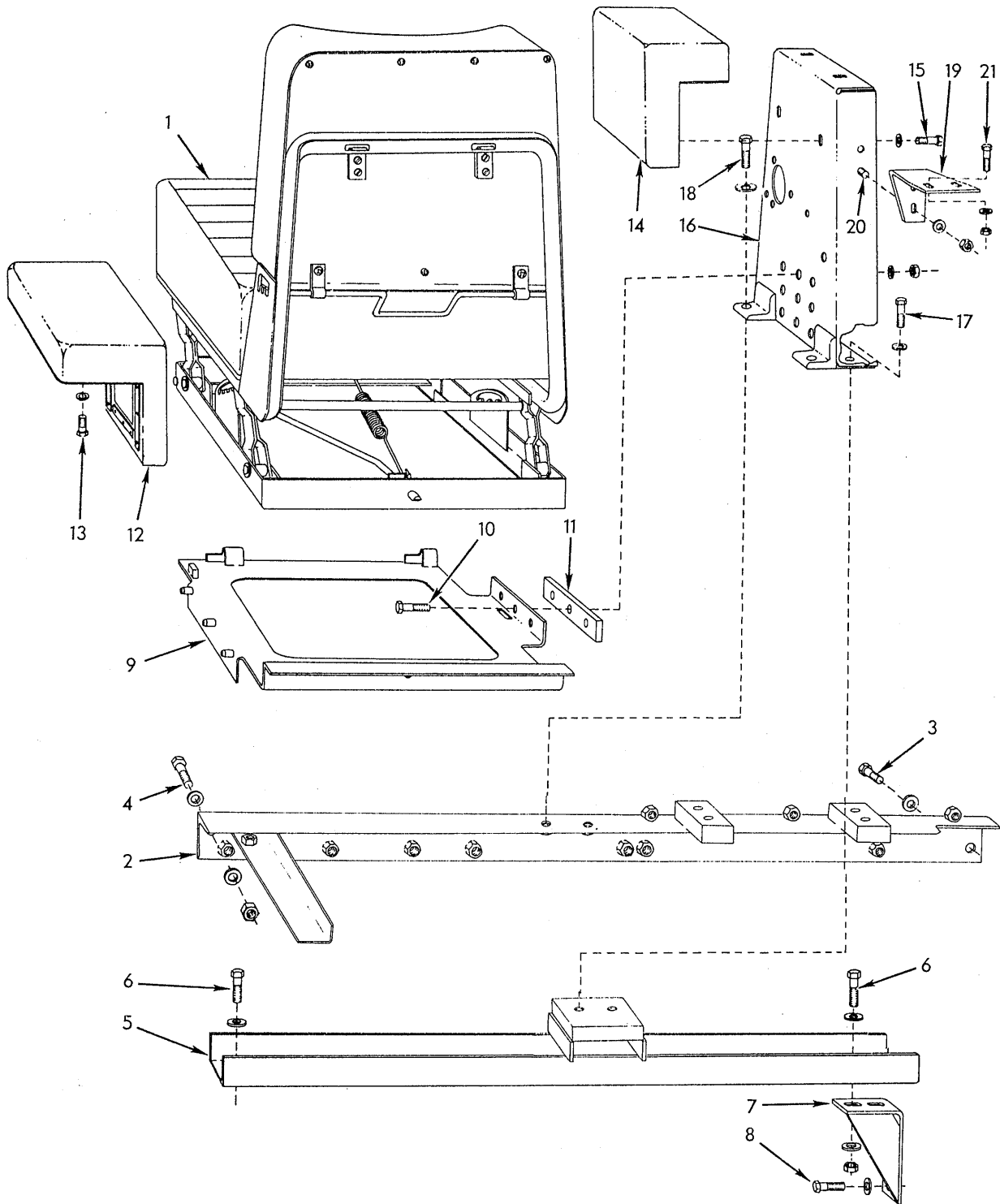
| ITEM | PART NO. | QTY. | DESCRIPTION                                                                                                                              |
|------|----------|------|------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | 70658413 | 1    | PLATE, front section, right (Standard)(Tractors prior to unit #14893)                                                                    |
|      | 70696722 | 1    | PLATE, front section, right (Standard)(Tractor unit #14893 and up)                                                                       |
|      | 70668150 | 1    | PLATE, front section, right (Special. For units equipped with special Air Cleaner Unloader Extension)<br>(Tractors prior to unit #14893) |
|      | 70696726 | 1    | PLATE, front section, right (Special. For units equipped with special Air Cleaner Unloader Extension)<br>(Tractor unit #14893 and up)    |
| 2    | 70920583 | 4    | CAPSCREW, 1/2"NC x 1-1/2"                                                                                                                |
|      | 70912441 | 4    | LOCKWASHER, 1/2"                                                                                                                         |
|      | 70677008 | 4    | WASHER                                                                                                                                   |
| 3    | 70658718 | 1    | PLATE, front section, left                                                                                                               |
| 4    | 70920583 | 5    | CAPSCREW, 1/2"NC x 1-1/2"                                                                                                                |
|      | 70912441 | 5    | LOCKWASHER, 1/2"                                                                                                                         |
|      | 70677008 | 5    | WASHER                                                                                                                                   |
| 5    | 70663265 | 1    | PLATE, rear section, right                                                                                                               |
| 6    | 70920583 | 4    | CAPSCREW, 1/2"NC x 1-1/2"                                                                                                                |
|      | 70912441 | 4    | LOCKWASHER, 1/2"                                                                                                                         |
|      | 70929379 | 4    | WASHER                                                                                                                                   |
| 7    | 70663292 | 1    | PLATE, rear section, left                                                                                                                |
| 8    | 70920583 | 4    | CAPSCREW, 1/2"NC x 1-1/2"                                                                                                                |
|      | 70912441 | 4    | LOCKWASHER, 1/2"                                                                                                                         |
|      | 70929379 | 4    | WASHER                                                                                                                                   |
| 9    | 70663308 | 1    | CHANNEL, floor supporting                                                                                                                |
| 10   | 70921556 | 4    | CAPSCREW, 1/2"NC x 2"                                                                                                                    |
|      | 70912441 | 4    | LOCKWASHER, 1/2"                                                                                                                         |
| 11   | 70087741 | 1    | SHIM, channel spacing (1/32" thick. Use as required)                                                                                     |
|      | 70087742 | 1    | SHIM, channel spacing (1/8" thick. Use as required)                                                                                      |



| ITEM | PART NO. | QTY. | DESCRIPTION                                                        |
|------|----------|------|--------------------------------------------------------------------|
| 1    | 70686315 | 1    | FENDER                                                             |
| 2    | 70922509 | 2    | CAPSCREW, Nylok, 1/2"NC x 1-3/4"                                   |
|      | 70677008 | 2    | WASHER                                                             |
| 3    | 70921539 | 1    | CAPSCREW, 1/2"NC x 3-1/2"                                          |
| 4    | 70922526 | 1    | CAPSCREW, 1/2"NC x 2-1/2"                                          |
|      | 70677008 | 2    | WASHER                                                             |
|      | 70911028 | 2    | NUT, 1/2"NC                                                        |
| 5    | 70921171 | 3    | CAPSCREW, 3/4"NF x 2-3/4"                                          |
|      | 70677012 | 6    | WASHER                                                             |
| 6    | 70927298 | 2    | CAPSCREW, Nylok, 3/4"NF x 2-1/4"                                   |
|      | 70677012 | 8    | WASHER                                                             |
|      | 70012767 | 3    | NUT, 3/4"NF                                                        |
| 7    | 70686316 | 1    | FENDER (For standard units or units equipped with hydraulic dozer) |
|      | 70666110 | 1    | FENDER (For units equipped with cable dozer)                       |
| 8    | 70922509 | 2    | CAPSCREW, Nylok, 1/2"NC x 1-3/4"                                   |
|      | 70677008 | 2    | WASHER                                                             |
| 9    | 70921539 | 1    | CAPSCREW, 1/2"NC x 3-1/2"                                          |
| 10   | 70922526 | 1    | CAPSCREW, 1/2"NC x 2-1/2"                                          |
|      | 70677008 | 2    | WASHER                                                             |
|      | 70911028 | 2    | NUT, 1/2"NC                                                        |
| 11   | 70921171 | 3    | CAPSCREW, 3/4"NF x 2-3/4"                                          |
|      | 70677012 | 6    | WASHER                                                             |
| 12   | 70927298 | 2    | CAPSCREW, Nylok, 3/4"NF x 2-3/4"                                   |
|      | 70677012 | 8    | WASHER                                                             |
|      | 70012767 | 3    | NUT, 3/4"NF                                                        |
| 13   | 70670218 | 1    | PLATE                                                              |
| 14   | 70922763 | 4    | CAPSCREW, 3/8"NC x 1"                                              |
|      | 70677006 | 4    | WASHER                                                             |
| 15   | 70670430 | 2    | SPACER (Use as required)                                           |
| 16   | 73127578 | 1    | STEP TREAD (12" x 16")                                             |

Not used on units equipped with ripper or ROPS

(Revised April 1981)

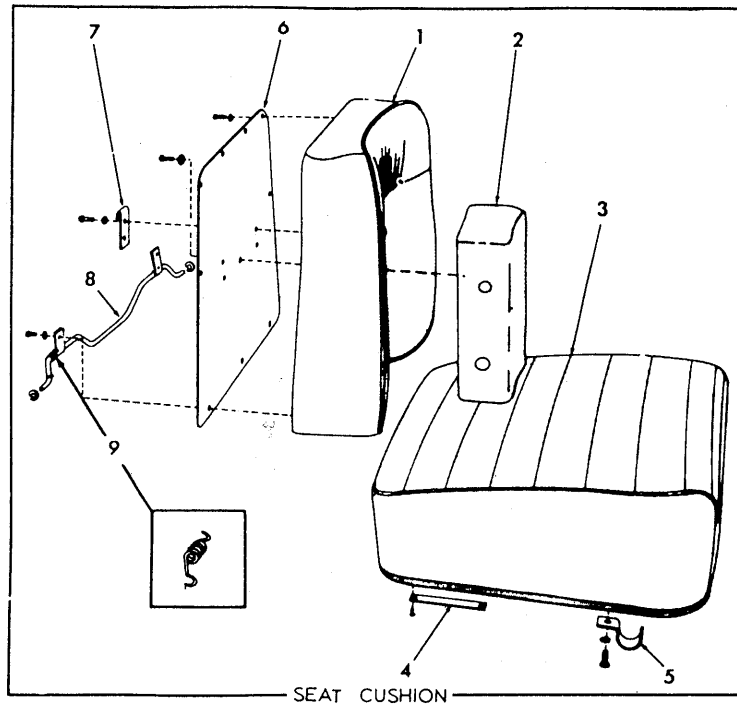
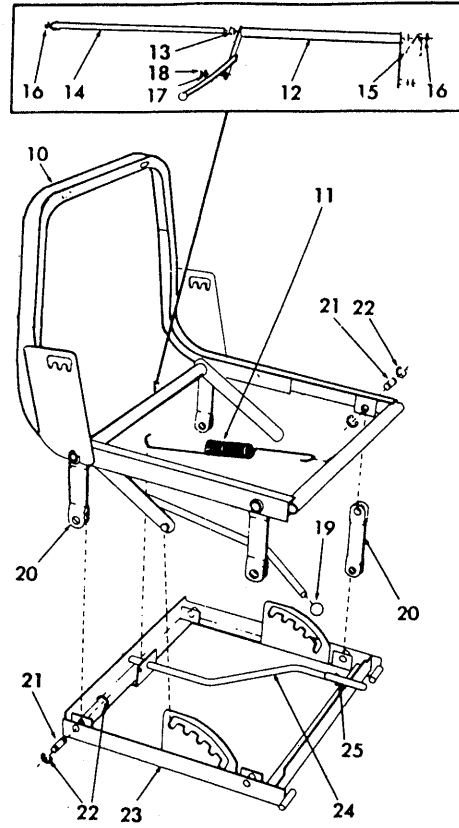


SEAT

T-75148

## SEAT

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                                                                                                                                   |
|------|----------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | -----    | 1    | SEAT ASSY. (See pages 225, 225A, 225C, 225E and 225G)                                                                                                                                         |
| 2    | 70664857 | 1    | ANGLE, seat supporting, front                                                                                                                                                                 |
| 3    | 70920583 | 1    | CAPSCREW, 1/2"NC x 1-1/2"                                                                                                                                                                     |
| 4    | 70922510 | 1    | CAPSCREW, 1/2"NC x 2-3/4"                                                                                                                                                                     |
|      | 70911028 | 1    | NUT, 1/2"NC                                                                                                                                                                                   |
|      | 70677008 | 2    | WASHER                                                                                                                                                                                        |
| 5    | 70664819 | 1    | CHANNEL, seat supporting, rear                                                                                                                                                                |
| 6    | 70920585 | 3    | CAPSCREW, 1/2"NC x 1-3/4"                                                                                                                                                                     |
|      | 70677008 | 5    | WASHER                                                                                                                                                                                        |
|      | 70911028 | 2    | NUT, 1/2"NC                                                                                                                                                                                   |
| 7    | 70660680 | 1    | BRACKET, channel supporting                                                                                                                                                                   |
| 8    | 70921556 | 2    | CAPSCREW, 1/2"NC x 2"                                                                                                                                                                         |
|      | 70677008 | 2    | WASHER                                                                                                                                                                                        |
| 9    | 70666235 | 1    | SUPPORT, seat (Tractors prior to unit #11528)                                                                                                                                                 |
|      | 70680690 | 1    | SUPPORT, seat (Tractors unit #11528 and up)                                                                                                                                                   |
| 10   | 70920585 | 3    | CAPSCREW, 1/2"NC x 1-3/4"                                                                                                                                                                     |
|      | 70677008 | 3    | WASHER                                                                                                                                                                                        |
|      | 70911028 | 3    | NUT, 1/2"NC                                                                                                                                                                                   |
| 11   | 70666240 | 1    | PLATE, seat support spacing                                                                                                                                                                   |
| 12   | 70632179 | 1    | CUSHION, arm rest, left side                                                                                                                                                                  |
| 13   | 70927008 | 4    | CAPSCREW, 3/8"NF x 1" } Plated                                                                                                                                                                |
|      | 70920743 | 4    | WASHER                                                                                                                                                                                        |
| 14   | 70632188 | 1    | CUSHION, arm rest, right side                                                                                                                                                                 |
| 15   | 70927008 | 4    | CAPSCREW, 3/8"NF x 1" } Plated                                                                                                                                                                |
|      | 70920743 | 4    | WASHER                                                                                                                                                                                        |
| 16   | 70665892 | 1    | SUPPORT, right arm rest cushion                                                                                                                                                               |
| 17   | 70920583 | 2    | CAPSCREW, 1/2"NC x 1-1/2"                                                                                                                                                                     |
| 18   | 70920585 | 2    | CAPSCREW, 1/2"NC x 1-3/4"                                                                                                                                                                     |
|      | 70677008 | 4    | WASHER                                                                                                                                                                                        |
| 19   | 70660678 | 1    | ANGLE, bracing, right arm rest support                                                                                                                                                        |
| 20   | 70922763 | 2    | CAPSCREW, 3/8"NC x 1"                                                                                                                                                                         |
| 21   | 70921565 | 2    | CAPSCREW, 3/8"NC x 1-1/2"                                                                                                                                                                     |
|      | 70677006 | 6    | WASHER                                                                                                                                                                                        |
|      | 70911026 | 4    | NUT, 3/8"NC                                                                                                                                                                                   |
| 22   | 70680080 | 1    | BELT, safety (Special equipment on units prior to<br>January 1977, standard thereafter. Not illustrated)<br>(Used on units prior to approx. September 1979.<br>See page 225E for later units) |

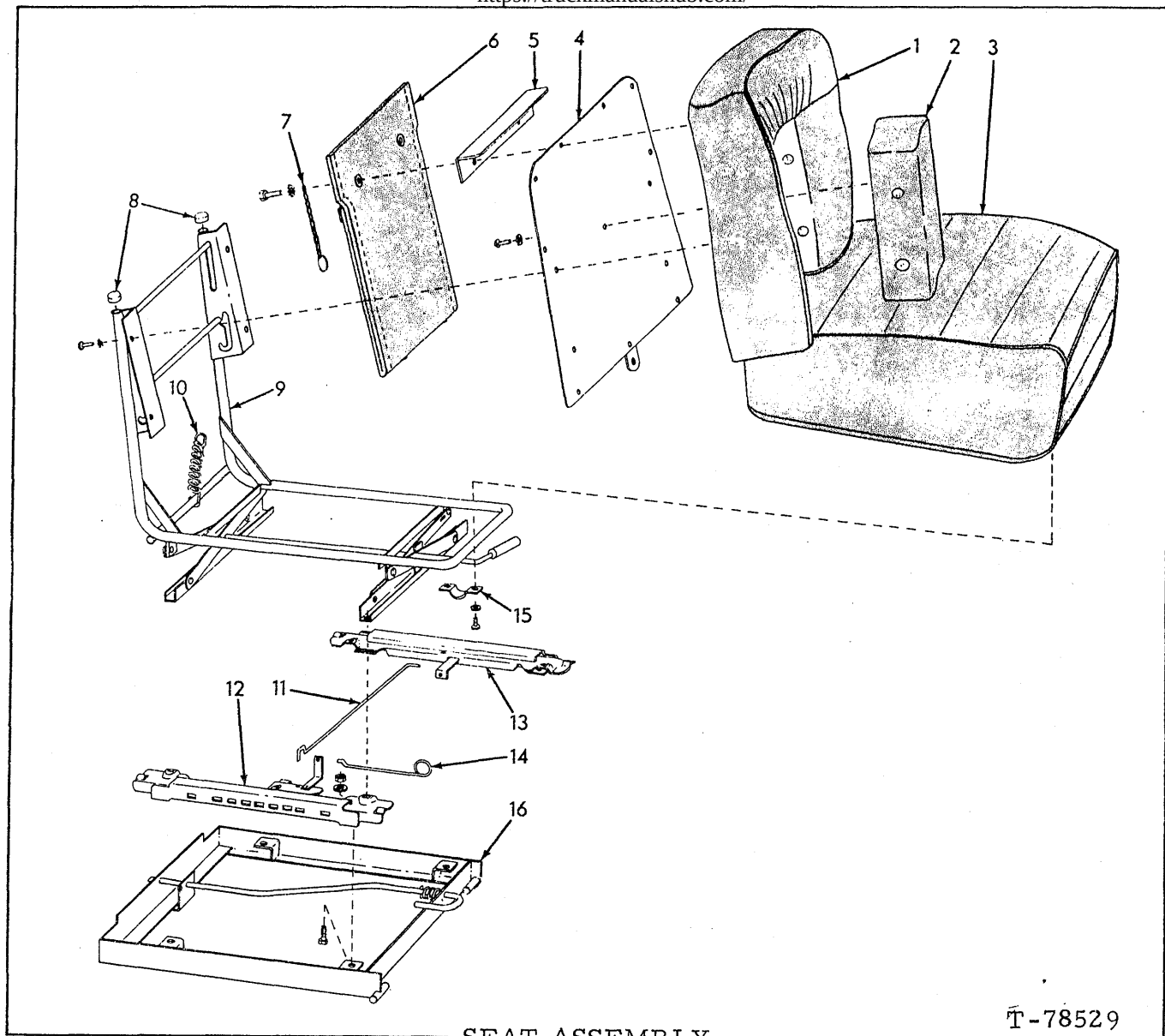


SEAT ASSEMBLY

T-71877

USAGE: See page 223. Tractors prior to S/N 19S14281

| ITEM | PART NO. | QTY. | DESCRIPTION                                                             |
|------|----------|------|-------------------------------------------------------------------------|
| -    | 70659093 | 1    | SEAT ASSY. (Includes items 1 thru 25)                                   |
| 1    | 70638422 | 1    | CUSHION, back (outside section)                                         |
|      | 70642499 | 1    | COVER, slip, back cushion (Includes fastenings)(Not original equipment) |
| 2    | 70638421 | 1    | CUSHION, back (center section)                                          |
|      | 70916532 | 2    | SCREW, machine, rd-hd., 1/4"NC x 3/4"                                   |
|      | 70914105 | 2    | LOCKWASHER, ext-tooth, 1/4"                                             |
|      | 70642498 | 1    | COVER, slip, back cushion (Includes fastenings)(Not original equipment) |
| 3    | 70659102 | 1    | CUSHION ASSY., seat (Includes item 4)                                   |
|      | 70642500 | 1    | COVER, slip, seat cushion (Includes fastenings)(Not original equipment) |
| 4    | 70638431 | 2    | PLATE, bearing, seat cushion                                            |
|      | -----    | 4    | SCREW, wood, fl-hd., #8 x 1/2" (Procure locally)                        |
| 5    | 70638432 | 2    | BRACKET, pivot, seat cushion                                            |
|      | 70916532 | 2    | SCREW, machine, rd-hd., 1/4"NC x 3/4"                                   |
|      | 70914105 | 2    | LOCKWASHER, ext-tooth, 1/4"                                             |
| 6    | 70650143 | 1    | PLATE, reinforcing, back cushion                                        |
|      | 70916532 | 8    | SCREW, machine, rd-hd., 1/4"NC x 3/4"                                   |
|      | 70914105 | 8    | LOCKWASHER, ext-tooth, 1/4"                                             |
| 7    | 70650132 | 2    | BRACKET, retaining, back cushion                                        |
|      | 70916532 | 4    | SCREW, machine, rd-hd., 1/4"NC x 3/4"                                   |
|      | 70914105 | 4    | LOCKWASHER, ext-tooth, 1/4"                                             |
| 8    | 70650141 | 1    | ROD ASSY., back cushion adjustment (Includes mounting clips)            |
|      | 70916532 | 2    | SCREW, machine, rd-hd., 1/4"NC x 3/4"                                   |
|      | 70914105 | 2    | LOCKWASHER, ext-tooth, 1/4"                                             |
|      | 70928197 | 2    | RING, retaining                                                         |
| 9    | 70650137 | 1    | SPRING, back cushion adjustment rod                                     |
| 10   | 70650144 | 1    | FRAME, seat                                                             |
| 11   | 70650138 | 1    | SPRING, retracting, seat frame                                          |
| 12   | 70650142 | 1    | LATCH, seat adjustment                                                  |
| 13   | 70650146 | 2    | BEARING, seat adjustment latch                                          |
| 14   | 70650136 | 1    | SHAFT, seat adjustment latch                                            |
| 15   | 70650135 | 1    | SPRING, seat adjustment latch                                           |
| 16   | 70638351 | 2    | RING, snap, seat adjustment latch shaft                                 |
| 17   | 70188436 | 2    | WASHER, seat adjustment latch                                           |
| 18   | 70650147 | 2    | RING, snap, seat adjustment latch                                       |
| 19   | 70650133 | 1    | KNOB, seat adjustment latch                                             |
| 20   | 70650139 | 4    | LINK, suspension, seat frame                                            |
| 21   | 70650131 | 6    | PIN, seat frame suspension link                                         |
| 22   | 70638351 | 12   | RING, snap, suspension link pin                                         |
| 23   | 70650145 | 1    | FRAME ASSY., base (Includes items 24 and 25)                            |
| 24   | 70650140 | 1    | ROD, seat release                                                       |
|      | 70188436 | 1    | WASHER, plain                                                           |
|      | 70924169 | 2    | PIN, groove, 1/8" x 1"                                                  |
| 25   | 70650134 | 1    | SPRING, seat release rod                                                |



SEAT ASSEMBLY

T-78529

USAGE: See page 223

\* Tractor serial No. 19S14281 thru 19S14815  
 \*\* Tractor serial No. 19S14816 thru 19S15121  
 excluding exceptions listed below

| ITEM | PART NO. | QTY. | DESCRIPTION                                               |
|------|----------|------|-----------------------------------------------------------|
| -    | 70690729 | 1 -  | SEAT ASSY. (Includes items 1 thru 4, 8, 9 and 11 thru 15) |
| -    | 73108384 | - 1  | SEAT ASSY. (Includes items 1 thru 15)                     |
| 1    | 70694306 | 1 1  | CUSHION                                                   |
|      | 70916532 | 8 6  | SCREW, machine, rd-hd., 1/4"NC x 3/4"                     |
|      | 70921382 | - 2  | CAPSCREW, 1/4"NC x 1-1/4"                                 |
|      | 70914105 | 8 8  | LOCKWASHER, int-tooth, 1/4"                               |
| 2    | 70694303 | 1 1  | CUSHION                                                   |
|      | 70916532 | 2 2  | SCREW, machine, rd-hd., 1/4"NC x 3/4"                     |
|      | 70914105 | 2 2  | LOCKWASHER, int-tooth, 1/4"                               |

(Continued)

(Revised September 1979)

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SEAT ASSEMBLY (Continued)  
DESCRIPTION

| ITEM | PART NO. | QTY. | * ** | DESCRIPTION                           |
|------|----------|------|------|---------------------------------------|
| 3    | 70694307 | 1    | 1    | CUSHION                               |
| 4    | 70694785 | 1    | -    | PLATE                                 |
|      | 73108830 | -    | 1    | PLATE                                 |
|      | 70916532 | 4    | 4    | SCREW, machine, rd-hd., 1/4"NC x 3/4" |
| 5    | -----    | -    | 1    | ANGLE                                 |
| 6    | -----    | -    | 1    | POUCH                                 |
| 7    | -----    | -    | 1    | CHAIN ASSY. } Refer to item 18        |
| 8    | 70694784 | 2    | 2    | CAP                                   |
| 9    | 70694305 | 1    | 1    | FRAME ASSY. (Serviced only as a unit) |
| 10   | -----    | -    | 1    | SPRING (Not serviced separately)      |
| 11   | 70694781 | 1    | 1    | ROD                                   |
| 12   | -----    | 1    | 1    | SLIDE } Order item 17                 |
| 13   | -----    | 1    | 1    | SLIDE }                               |
| 14   | 70694782 | 1    | 1    | WIRE                                  |
| 15   | 70694783 | 2    | 4    | BRACKET                               |
|      | 70916532 | 4    | 8    | SCREW, machine, rd-hd., 1/4"NC x 3/4" |
|      | 70914105 | 4    | 8    | LOCKWASHER, int-tooth, 1/4"           |
| 16   | 70696162 | 1    | 1    | BASE                                  |
|      | 70921566 | 4    | 4    | CAPSCREW, 5/16"NC x 1"                |
|      | 70677005 | 4    | 4    | WASHER                                |
|      | 70911025 | 4    | 4    | NUT, 5/16"NC                          |
| 17   | 70695868 | 1    | 1    | SLIDE KIT (Includes items 12 and 13)  |
| 18   | 73109343 | -    | 1    | POUCH KIT (Includes item 5 thru 7)    |

EXCEPTIONS: 14990, 15004, 15006, 15011, 15014,  
15055, 15058, 15060, 15061, 15067,  
15068, 15070, 15071, 15073, 15074,  
15079 thru 15081, 15094, 15100,  
15106, 15111 and 15112.

(Revised April 1980)



## SEAT ASSEMBLY

| ITEM | PART NO. | QTY. | DESCRIPTION                                 |
|------|----------|------|---------------------------------------------|
| -    | 73113527 | 1    | SEAT ASSY. (Includes items 1 thru 14)       |
| 1    | 70694306 | 1    | CUSHION                                     |
|      | 70921615 | 6    | SCREW, button-hd., hex-skt., 1/4" NC x 3/4" |
|      | 70914105 | 8    | LOCKWASHER, ext-tooth, 1/4"                 |
| 2    | 70694303 | 1    | CUSHION                                     |
|      | 70921615 | 2    | SCREW, button-hd., hex-skt., 1/4" NC x 3/4" |
|      | 70914105 | 2    | LOCKWASHER, ext-tooth, 1/4"                 |
| 3    | 70694307 | 1    | CUSHION                                     |
| 4    | 73108830 | 1    | PLATE                                       |
|      | 70921615 | 4    | SCREW, button-hd., hex-skt., 1/4" NC x 3/4" |
|      | 70914105 | 4    | LOCKWASHER, ext-tooth, 1/4"                 |
| 5    | -----    | 1    | ANGLE                                       |
| 6    | -----    | 1    | POUCH                                       |
|      | -----    | 2    | CAPSCREW                                    |
| 7    | -----    | 1    | CHAIN ASSY.                                 |
| 8    | 70694784 | 2    | CAP                                         |
| 9    | 73113740 | 1    | FRAME ASSY. (Serviced only as a unit)       |
|      | 70921566 | 4    | CAPSCREW, 5/16" NC x 1"                     |
|      | 70900366 | 4    | NUT, 5/16" NC                               |

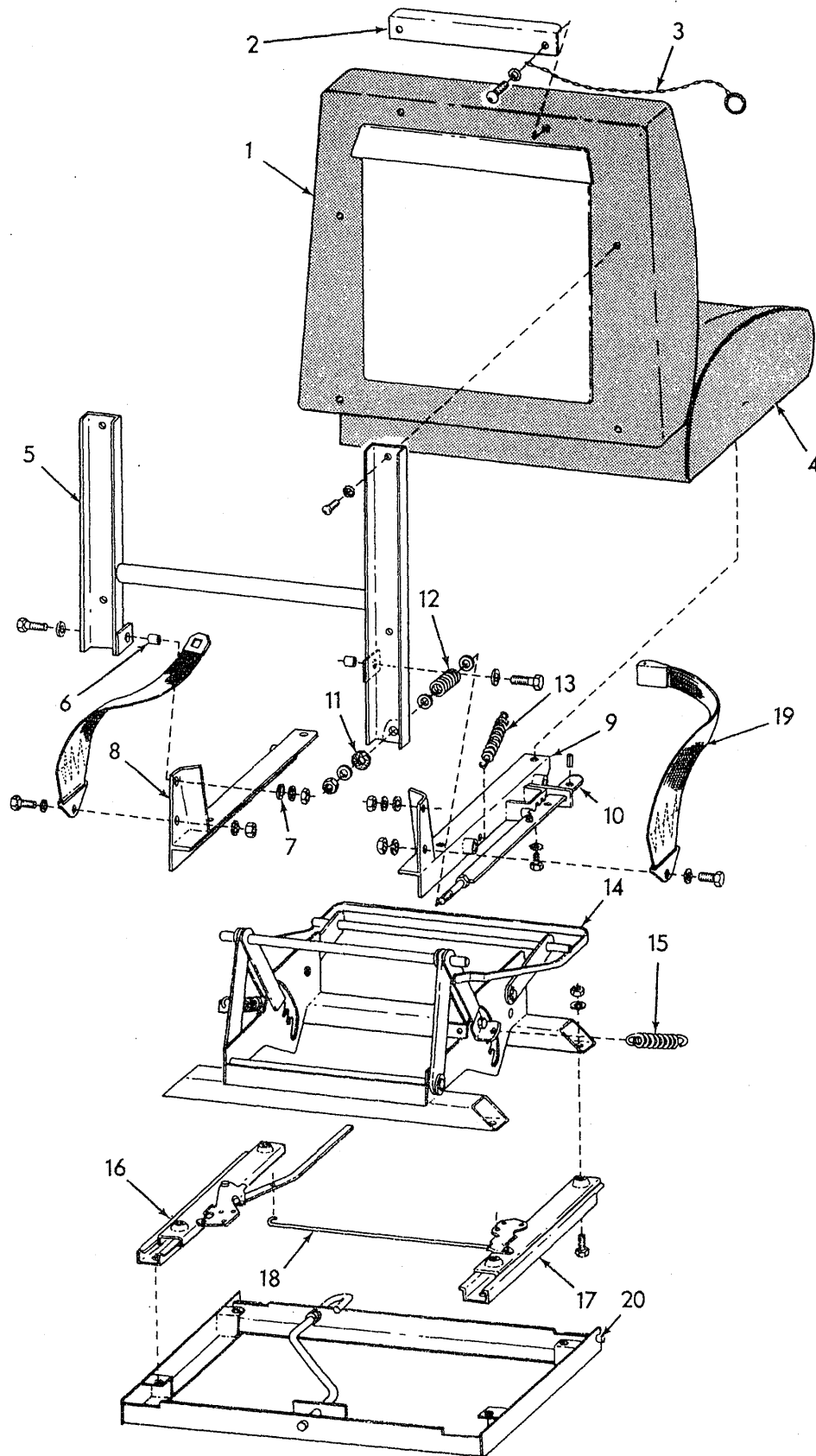
(Revised April 1980)

SEAT ASSEMBLY (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                |
|------|----------|------|--------------------------------------------|
| 10   | -----    | 1    | SPRING (Not serviced separately)           |
| 11   | 73113741 | 1    | ROD                                        |
| 12   | -----    | 1    | SLIDE                                      |
| 13   | -----    | 1    | SLIDE                                      |
| 14   | 70694783 | 4    | BRACKET                                    |
|      | 70921615 | 8    | SCREW, button-hd., hex-skt., 1/4"NC x 3/4" |
|      | 70914105 | 8    | LOCKWASHER, ext-tooth, 1/4"                |
| 15   | 70696162 | 1    | BASE                                       |
|      | 70921566 | 4    | CAPSCREW, 5/16"NC x 1"                     |
|      | 70677005 | 4    | WASHER                                     |
|      | 70911025 | 4    | NUT, 5/16"NC                               |
| 16   | 73113745 | 1    | SLIDE KIT (Includes items 12 and 13)       |
| 17   | 73109343 | 1    | POUCH KIT (Includes items 5, 6 and 7)      |

EXCEPTIONS: 14990, 15004, 15006, 15011, 15014,  
15055, 15058, 15060, 15061, 15067,  
15068, 15070, 15071, 15073, 15074,  
15079 thru 15081, 15094, 15100,  
15106, 15111 and 15112.

(Revised April 1980)



T-82491

SEAT ASSEMBLY

225E

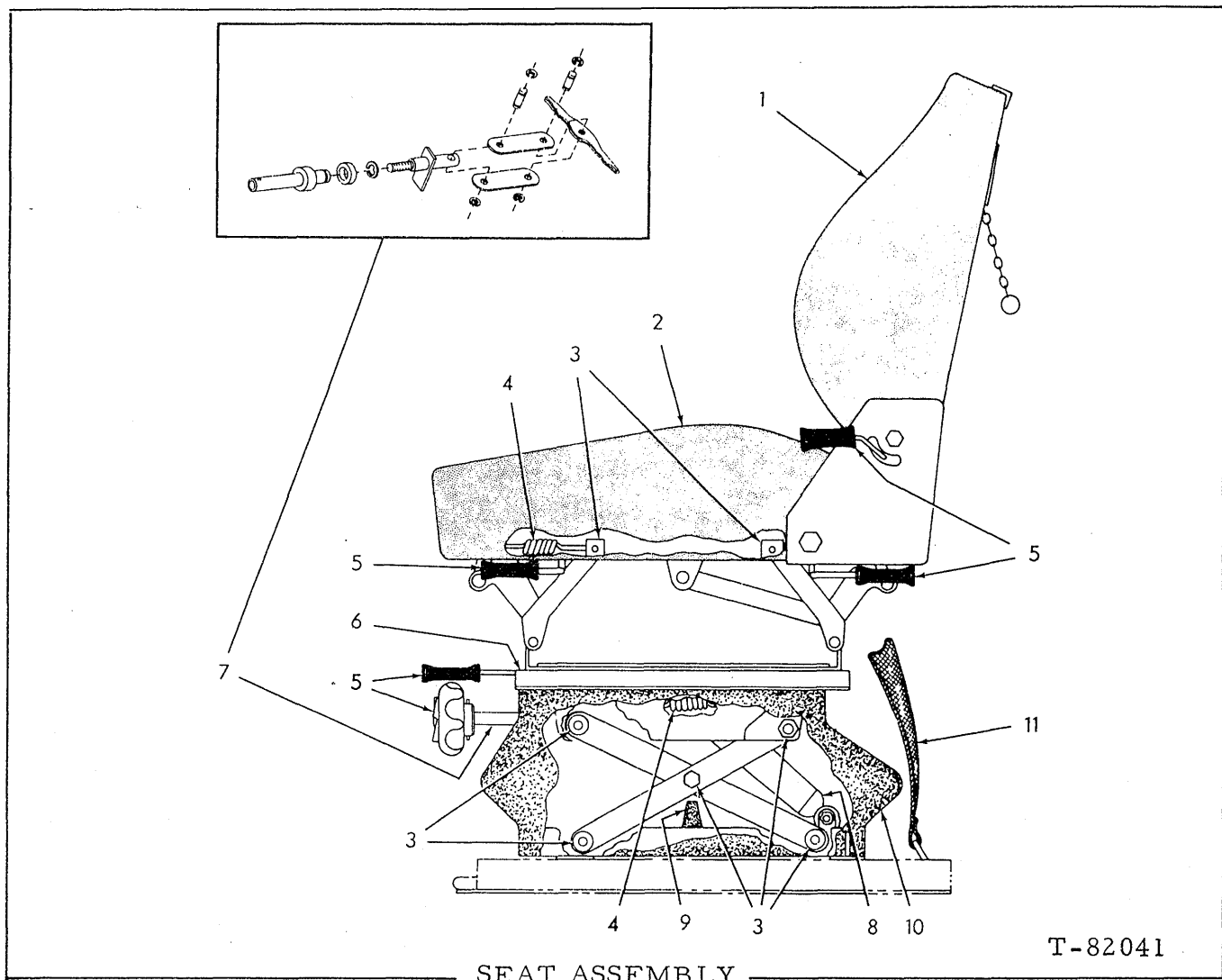
(Added April 1980)

## SEAT ASSEMBLY

USAGE: See page 223. Effective approximately September 1979. See page 225C for early design.

| ITEM | PART NO. | QTY. | DESCRIPTION                           |
|------|----------|------|---------------------------------------|
| -    | 73115577 | 1    | SEAT ASSY. (Includes items 1 thru 19) |
| 1    | 73118952 | 1    | BACK CUSHION                          |
|      | 70927541 | 4    | CAPSCREW, 1/4"NC x 3/4"               |
|      | 70914105 | 4    | LOCKWASHER, ext-tooth, 1/4"           |
| 2    | 73118966 | 1    | BRACKET                               |
|      | 70927541 | 2    | CAPSCREW, 1/4"NC x 3/4"               |
|      | 70914105 | 2    | LOCKWASHER, ext-tooth, 1/4"           |
| 3    | 73108440 | 1    | CHAIN                                 |
| 4    | 73118951 | 1    | SEAT CUSHION                          |
|      | 70927541 | 4    | CAPSCREW, 1/4"NC x 3/4"               |
|      | 70914105 | 4    | LOCKWASHER, ext-tooth, 1/4"           |
| 5    | 73118965 | 1    | FRAME                                 |
|      | 70921076 | 2    | CAPSCREW, 3/8"NC x 1-1/4"             |
|      | 70914900 | 4    | WASHER                                |
|      | 70915891 | 2    | NUT, elastic stop, 3/8"NC             |
| 6    | 73118963 | 2    | BUSHING                               |
| 7    | 73118964 | 2    | WASHER, nylon                         |
| 8    | 73118955 | 1    | FRAME, left                           |
| 9    | 73118956 | 1    | FRAME, right                          |
| 10   | 73118958 | 1    | STRAP, back tilt latch                |
|      | 70919347 | 2    | PIN, spring, 1/4" x 5/8"              |
| 11   | 73118961 | 1    | BUMPER                                |
|      | 70914903 | 2    | WASHER                                |
|      | 70915633 | 1    | NUT                                   |
| 12   | 73118960 | 1    | SPRING, back cushioning               |
| 13   | 73118959 | 1    | SPRING, back return                   |
| 14   | 73118953 | 1    | BASE ASSY. (Serviced only as a unit)  |
|      | 70921566 | 4    | CAPSCREW, 5/16"NC x 1"                |
|      | 70904205 | 4    | LOCKWASHER, 5/16"                     |
|      | 70910323 | 4    | NUT, 5/16"                            |
| 15   | 73118962 | 2    | SPRING, height adjustment             |
| 16   | -----    | 1    | SLIDE                                 |
| 17   | -----    | 1    | SLIDE                                 |
| 18   | 73118957 | 1    | ROD                                   |
| 19   | 73118967 | 1    | BELT, safety                          |
|      | 70927158 | 2    | CAPSCREW, 1/2"NF x 1"                 |
|      | 70911414 | 2    | WASHER                                |
|      | 70912441 | 2    | LOCKWASHER, 1/2"                      |
|      | 70910195 | 2    | NUT, 1/2"NF                           |
| 20   | 70696162 | 1    | BASE                                  |
|      | 70921566 | 4    | CAPSCREW, 5/16"NC x 1"                |
|      | 70677005 | 4    | WASHER                                |
|      | 70911025 | 4    | NUT, 5/16"NC                          |
| 21   | 73118954 | 1    | SLIDE KIT (Includes items 16 and 17)  |

(Added April 1980)

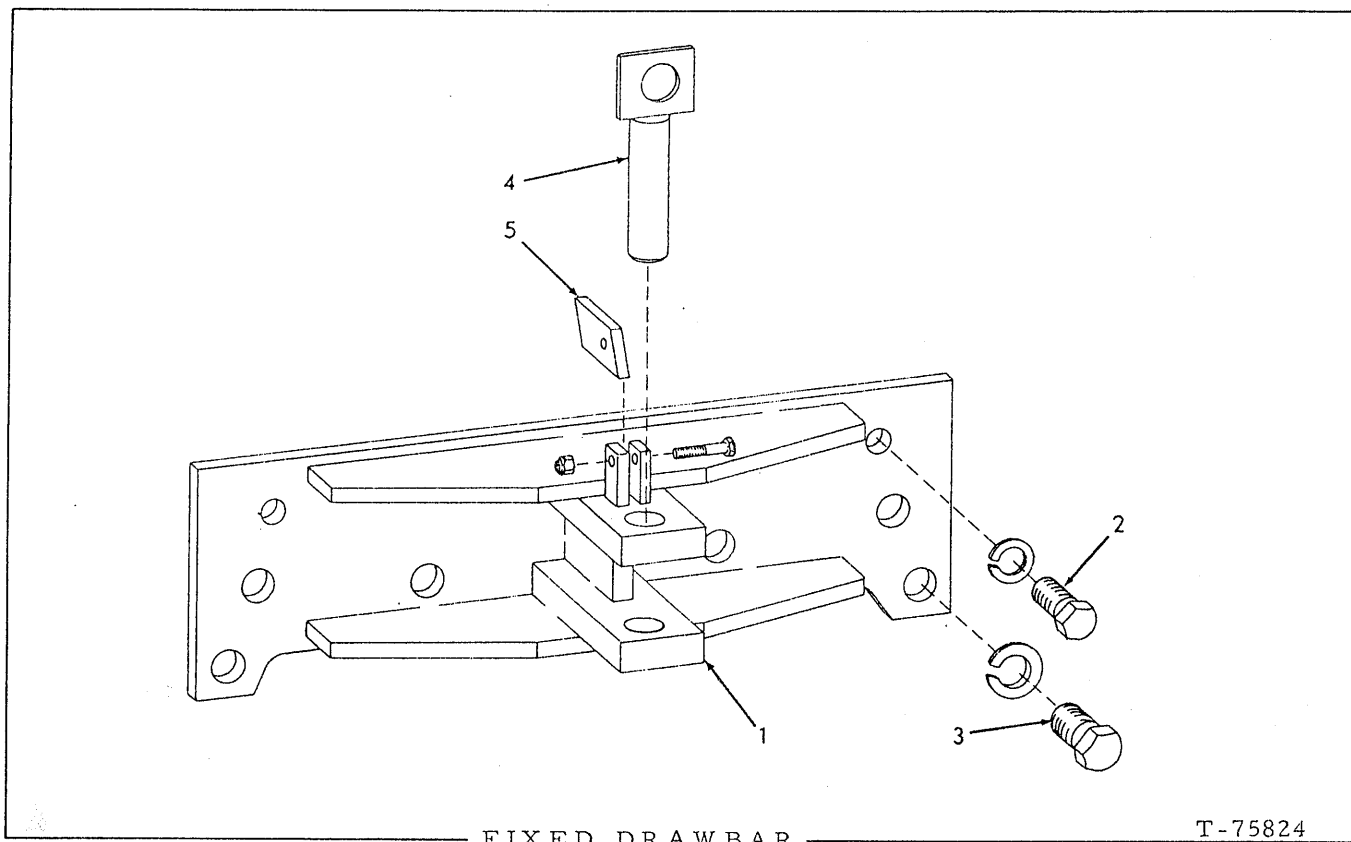


T-82041

SEAT ASSEMBLY

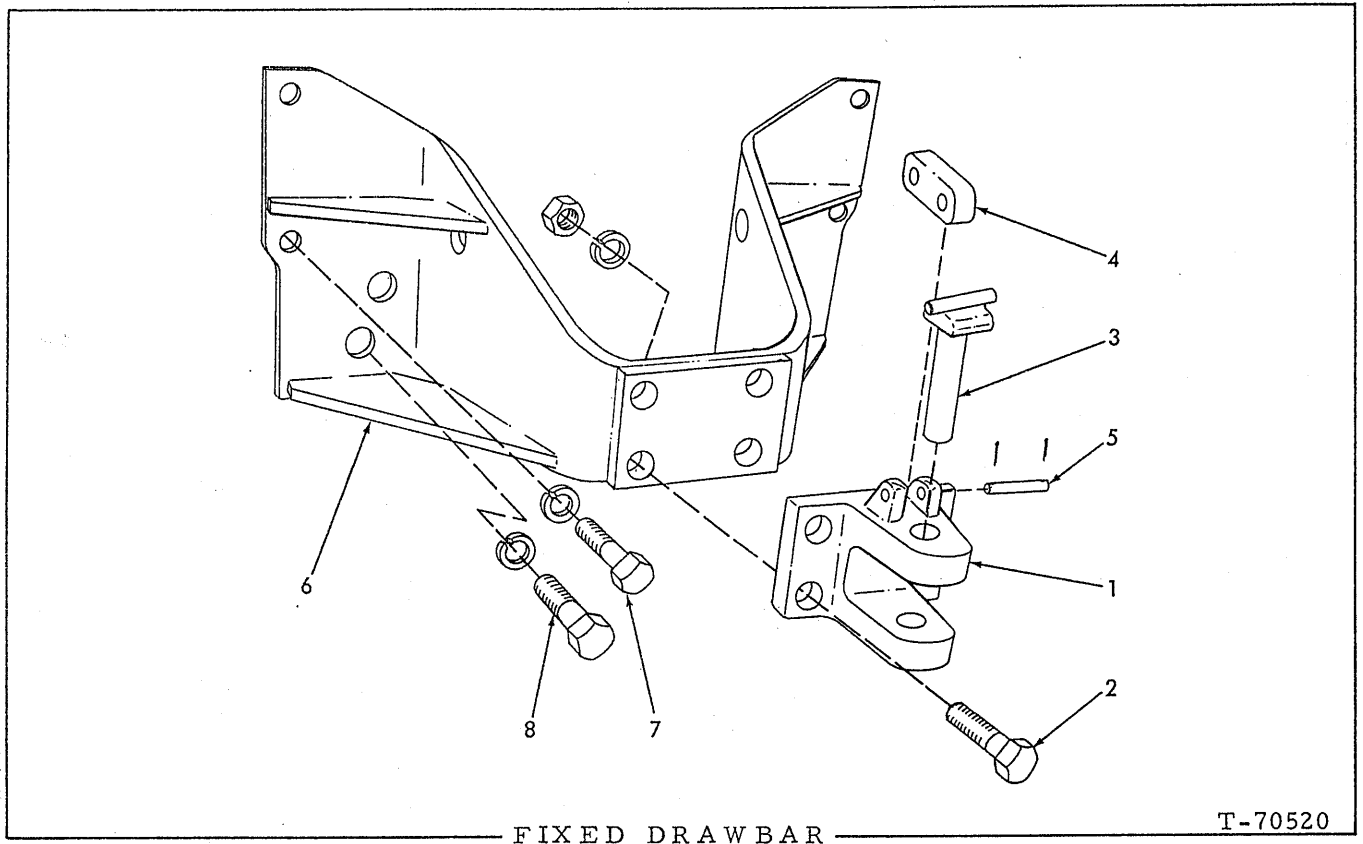
USAGE: Optional equipment. See page 223

| ITEM | PART NO. | QTY. | DESCRIPTION                                                   |
|------|----------|------|---------------------------------------------------------------|
| -    | 73116939 | 1    | SEAT ASSY. (Includes items 1 thru 11)                         |
| 1    | 73116929 | 1    | BACK CUSHION                                                  |
| 2    | 73116930 | 1    | SEAT CUSHION                                                  |
| 3    | 73116931 | 1    | ROLLER AND BEARING SET (Includes rollers bushings and shafts) |
| 4    | 73116932 | 1    | SPRING SET (Includes all required springs)                    |
| 5    | 73116933 | 1    | KNOB SET (Includes 5 knobs)                                   |
| 6    | 73116934 | 1    | ADJUSTERS                                                     |
| 7    | 73116938 | 1    | WEIGHT ADJUSTMENT ASSY. (Serviced only as a unit)             |
| 8    | 73116936 | 1    | SHOCK ABSORBER (Includes attaching hardware)                  |
| 9    | 73116937 | 1    | BUMPER SET (Includes 2 bumpers and attaching hardware)        |
| 10   | 73116935 | 1    | BOOT, dust (Includes attaching hardware)                      |
| 11   | 73117148 | 1    | BELT, safety (Includes attaching hardware)                    |



USAGE: Standard equipment. Not used on units equipped with Ripper.

| ITEM | PART NO. | QTY. | DESCRIPTION                 |
|------|----------|------|-----------------------------|
| 1    | 70673438 | 1    | DRAWBAR                     |
| 2    | 70927355 | 2    | CAPSCREW, 1-1/4"NF x 3-1/4" |
|      | 70914730 | 2    | LOCKWASHER, 1-1/4"          |
| 3    | 70927370 | 4    | CAPSCREW, 1-1/2"NF x 3-3/4" |
|      | 70912603 | 4    | LOCKWASHER, 1-1/2"          |
| 4    | 70673436 | 1    | PIN, coupling               |
| 5    | 70664052 | 1    | PLATE, pin retaining        |
|      | 70922526 | 1    | CAPSCREW, 1/2"NC x 2-1/2"   |
|      | 70915972 | 1    | NUT, elastic stop, 1/2"NC   |



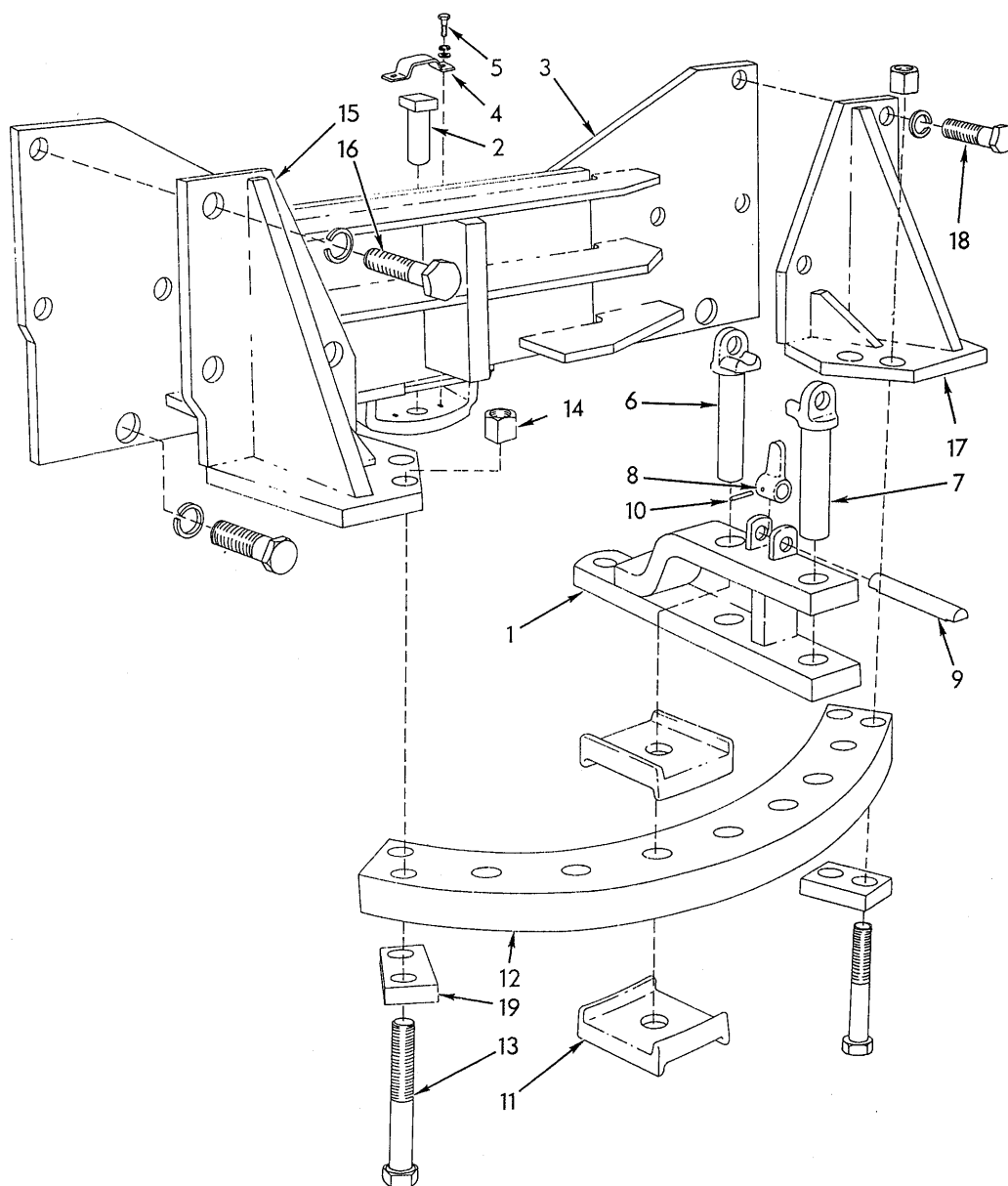
T-70520

USAGE: Optional equipment

ITEM PART NO. QTY. DESCRIPTION

NOTE: Cannot be used with special Ripper

|   |          |   |                               |
|---|----------|---|-------------------------------|
| 1 | 70633729 | 1 | BRACKET, coupling             |
|   | 70927367 | 4 | CAPSCREW, 1-1/2"NF x 5-1/2"   |
|   | 70912603 | 4 | LOCKWASHER, 1-1/2"            |
|   | 70916555 | 4 | NUT, 1-1/2"NF                 |
| 3 | 70633730 | 1 | PIN, drawbar                  |
| 4 | 70629697 | 1 | BLOCK, retaining, drawbar pin |
| 5 | 70629698 | 1 | PIN, retaining block          |
|   | 70900806 | 2 | PIN, cotter, 1/8" x 1"        |
| 6 | 70633720 | 1 | BRACKET, supporting           |
| 7 | 70927355 | 4 | CAPSCREW, 1-1/4"NF x 3-1/4"   |
|   | 70914730 | 4 | LOCKWASHER, 1-1/4"            |
| 8 | 70927370 | 4 | CAPSCREW, 1-1/2"NF x 3-3/4"   |
|   | 70912603 | 4 | LOCKWASHER, 1-1/2"            |



SWINGING DRAWBAR

T-75797

USAGE: Optional equipment

| ITEM | PARTNO.  | QTY. | DESCRIPTION                   |
|------|----------|------|-------------------------------|
| 1    | 70643844 | 1    | DRAWBAR                       |
| 2    | 70080669 | 1    | PIN, hinge                    |
| 3    | 70664793 | 1    | BRACKET, rear                 |
|      | 70625383 | 2    | CAPSCREW, 1-1/2"NF x 4"       |
|      | 70913077 | 2    | LOCKWASHER, 1-1/2"            |
| 4    | 70050447 | 1    | PLATE, hinge pin retaining    |
| 5    | 70913249 | 2    | CAPSCREW, 1/2"NF x 1-1/4"     |
|      | 70904208 | 2    | LOCKWASHER, 1/2"              |
|      | 70910244 | 2    | WASHER, plain, SAE std., 1/2" |

(Continued)



<https://truckmanualshub.com/>  
SWINGING DRAWBAR (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                      |
|------|----------|------|----------------------------------|
| 6    | 70059010 | 1    | PIN, drawbar locking             |
| 7    | 70059007 | 1    | PIN, drawbar coupling            |
| 8    | 70051352 | 1    | ARM, locking, drawbar pins       |
| 9    | 70078866 | 1    | SHAFT, drawbar pin locking arm   |
| 10   | 70915504 | 1    | PIN, spring, 5/16" x 1-3/4"      |
| 11   | 70643832 | 2    | SHOE, wear                       |
| 12   | 70648996 | 1    | PLATE, supporting                |
| 13   | 70648954 | 4    | CAPSCREW, 1-1/4"NF x 7-1/2"      |
| 14   | 70028847 | 4    | NUT, high, 1-1/4"NF              |
| 15   | 70648997 | 1    | BRACKET, supporting plate, left  |
| 16   | 70053251 | 3    | CAPSCREW, 1-1/4"NF x 4-1/2"      |
|      | 70904210 | 3    | LOCKWASHER, 1-1/4"               |
| 17   | 70648998 | 1    | BRACKET, supporting plate, right |
| 18   | 70053251 | 3    | CAPSCREW, 1-1/4"NF x 4-1/2"      |
|      | 70904210 | 3    | LOCKWASHER, 1-1/4"               |
| 19   | 70648943 | 2    | BLOCK, drawbar stop              |

https://truckmanualshub.com/  
PAINTING AND MARKING  
(Not Illustrated)

ITEM PART NO. QTY. DESCRIPTION

NOTE: Approximately 15 gallons paint required for spraying

|   |          |   |                                                          |
|---|----------|---|----------------------------------------------------------|
| 1 | 70925108 | - | ENAMEL, yellow, 12 oz. pressurized spray-type can        |
|   | 70698037 | - | ENAMEL, yellow orange, 12 oz. pressurized spray-type can |
| 2 | 70925109 | - | ENAMEL, yellow, quart can                                |
| 3 | 70925110 | - | ENAMEL, yellow, gallon can                               |
|   | 70698038 | - | ENAMEL, yellow orange, gallon can                        |

NOTE: All plates and decals listed below are English language printings unless otherwise indicated.

|   |          |   |                                                                                                       |
|---|----------|---|-------------------------------------------------------------------------------------------------------|
| 4 | 70666400 | 1 | PLATE, lubricating and service guide (7" x 10")<br>(Tractors prior to unit #12112)                    |
|   | 70680337 | 1 | PLATE, lubrication and service guide (7" x 10")<br>(Tractors unit #12112 thru #14070)                 |
|   | 70696797 | 1 | PLATE, lubrication and service guide (7" x 10")<br>(Tractor unit #14071 and up)                       |
|   | 70666401 | 1 | PLATE, lubrication and service guide (multi-language,<br>7" x 12-7/8")(Tractors prior to unit #12112) |
|   | 70680339 | 1 | PLATE, lubrication and service guide (multi-language,<br>7" x 12-7/8")(Tractor unit #12112 and up)    |
|   | 70697549 | 1 | PLATE, lubrication and service guide (7" x 10")<br>(Spanish)                                          |
|   | 70697550 | 1 | PLATE, lubrication and service guide (7" x 10")<br>(Portuguese)                                       |
|   | 70697551 | 1 | PLATE, lubrication and service guide (7" x 10")<br>(French)                                           |
|   | 70698936 | 1 | PLATE, lubrication and service guide (7" x 10")<br>(Italian)                                          |
|   | 70699016 | 1 | PLATE, lubrication and service guide (7" x 10")<br>(German)                                           |
|   | 70034076 | 4 | SCREW, thd-cutting, cross-recessed hd., #8 x<br>1/2" (2 additional used on multi-language plates)     |

NOTE: Item 4 above attaches to front of Battery Box

|   |          |   |                                                                                                                                          |
|---|----------|---|------------------------------------------------------------------------------------------------------------------------------------------|
| 5 | 70672642 | 1 | □ DECAL, instruction, air cleaner (3" x 5")(Applied to top of air cleaner)                                                               |
| 6 | 70669933 | 1 | □ DECAL, instruction, coolant filter (2-3/8" x 3-1/2")<br>(Applied to filter)(Tractors prior to unit #12651;<br>also unit #14071 and up) |
| 7 | 70621342 | 1 | DECAL, instruction, engine primer (1-3/4" x 6")<br>(Applied to dash)                                                                     |
| 8 | 73107886 | 1 | □ DECAL, instruction, engine starting (3-3/16" x 6-3/16")<br>(Applied to left side of steering lever housing)                            |
| 9 | 70666497 | 1 | DECAL, instruction, engine operation (2-1/4" x<br>4-1/2")(Applied to top of steering lever housing)<br>(Tractors prior to unit #12687)   |

(Continued)

## PAINTING AND MARKING (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                                     |
|------|----------|------|-------------------------------------------------------------------------------------------------|
| 10   | 70677914 | 2    | □ DECAL, instruction, fuel filter (2-1/4" x 3-1/4")<br>(Applied to filter)                      |
| 11   | 70667810 | 1    | □ DECAL, instruction, hydraulic oil filter (8" x 6")<br>(Applied to front of hydraulic tank)    |
| 12   | 73109131 | 1    | □ DECAL, instruction manual location (6-5/8" x 1-1/8")<br>(Applied to top of seat back)         |
| 13   | 73112616 | 2    | □ DECAL, instruction, oil filter (2-1/4" x 3-3/8")<br>(Applied to engine oil filter)            |
| 14   | 70658630 | 1    | □ DECAL, instruction, transmission filter (1-3/4" x 2-1/4")<br>(Applied to transmission filter) |
| 15   | 73107880 | 1    | □ DECAL, important, engine oil filter (6-7/16" x 2-1/2")                                        |
|      | 73109141 | 1    | DECAL, important, engine oil filter (Italian)<br>(6-1/2" x 2-1/2")                              |
|      | 73109142 | 1    | DECAL, important, engine oil filter (Spanish)<br>(6-1/2" x 2-1/2")                              |
|      | 73109143 | 1    | DECAL, important, engine oil filter (German)<br>(6-1/2" x 2-1/2")                               |
|      | 73109144 | 1    | DECAL, important, engine oil filter (French)<br>(6-1/2" x 2-1/2")                               |
|      | 73109145 | 1    | DECAL, important, engine oil filter (Portuguese)<br>(6-1/2" x 2-1/2")                           |

NOTE: Item 15 listed above applies to engine oil by-pass filter.

|     |          |   |                                                                                                                                 |
|-----|----------|---|---------------------------------------------------------------------------------------------------------------------------------|
| 16  | 73107882 | 1 | □ DECAL, danger, flammable vapors (4-9/16" x 2-1/8")<br>(Applied to inside of battery box cover)                                |
| 17  | 73107884 | 3 | □ DECAL, danger, fluid pressure (5-7/16" x 1-15/16")<br>(Applied to radiator filler cap guard and right side of hydraulic tank) |
| 17A | 73108929 | 2 | □ DECAL, danger, track tension (6" x 2-5/16")<br>(Applied to track release spring cover)                                        |
| 18  | 73107893 | 4 | □ DECAL, danger, track release spring (4-7/16" x 2-1/8")<br>(Applied to track release spring guard and cylinder housing)        |
| 19  | 73107895 | 1 | □ DECAL, warning, do not start (4-1/2" x 2-1/2")                                                                                |
|     | 73109135 | 1 | DECAL, warning, do not start (Italian) (4-1/2" x 2-1/2")                                                                        |
|     | 73109136 | 1 | DECAL, warning, do not start (Spanish) (4-1/2" x 2-1/2")                                                                        |
|     | 73109137 | 1 | DECAL, warning, do not start (German) (4-1/2" x 2-1/2")                                                                         |
|     | 73109138 | 1 | DECAL, warning, do not start (French) (4-1/2" x 2-1/2")                                                                         |
|     | 73109139 | 1 | DECAL, warning, do not start (Portuguese)<br>(4-1/2" x 2-1/2")                                                                  |

NOTE: Item 19 listed above applies to the COWL

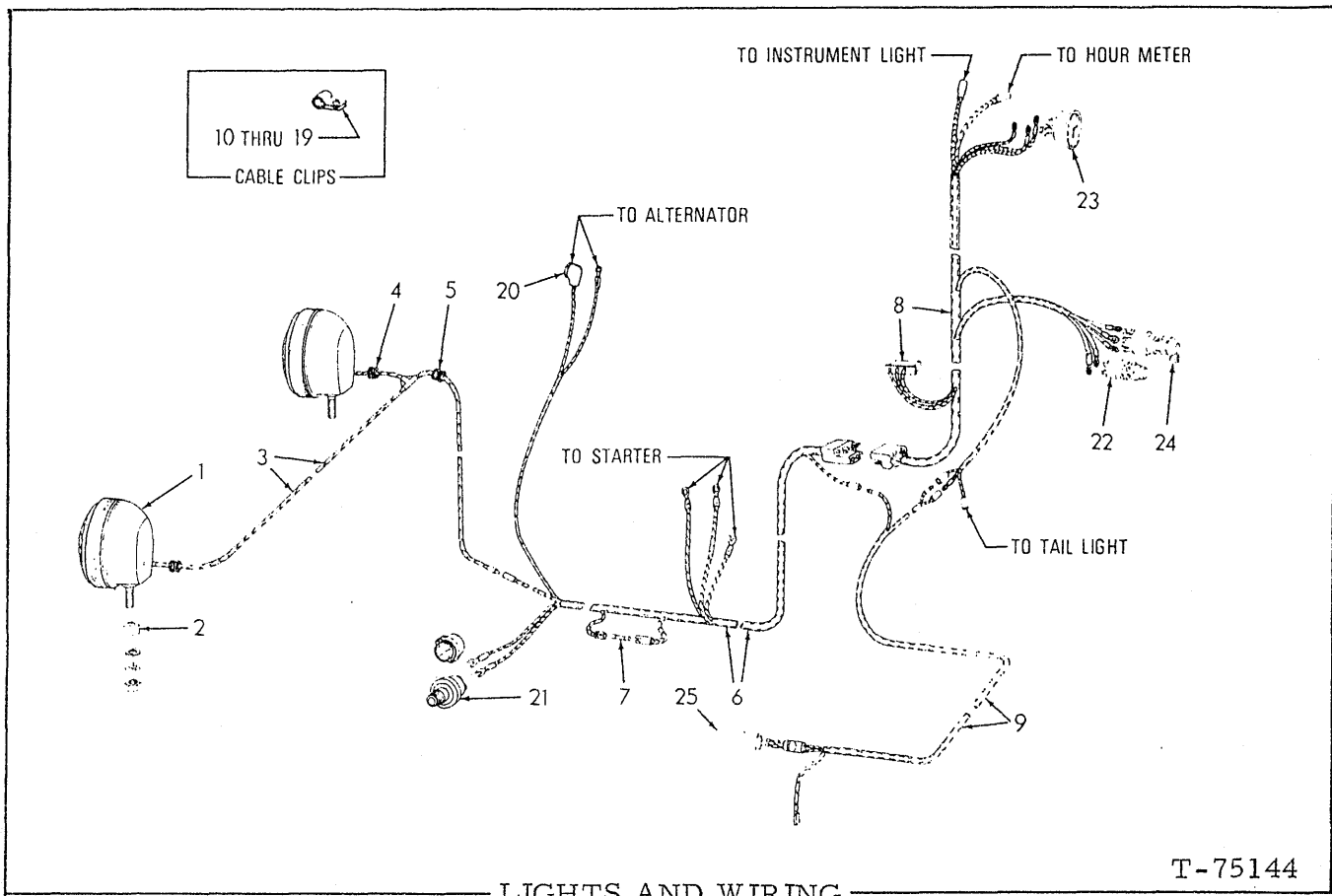
|    |          |   |                                                                                          |
|----|----------|---|------------------------------------------------------------------------------------------|
| 20 | 73109154 | 1 | □ DECAL, warning, operation (5-5/16" x 8-5/16")<br>(Applied to front of fuel tank)       |
| 21 | 73108776 | 1 | □ DECAL, warning, start up, shut-down (5" x 6-11/16")<br>(Applied to front of fuel tank) |

(Continued)

(Revised June 1978)

# PAINTING AND MARKING (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                                                                    |
|------|----------|------|--------------------------------------------------------------------------------------------------------------------------------|
| 22   | 73108722 | 2    | □DECAL, warning, starting fluid (4-7/16" x 2-1/4")<br>(Applied to air pre-cleaner extension pipe)                              |
| 23   | 73107891 | 1    | □DECAL, warning, master switch (4-7/16" x 2-1/8")<br>(Applied to left side of battery box)                                     |
| 23A  | 73130433 | 1    | □DECAL, "OFF-ON" master switch disconnect (3/4" x 2")<br>(Applied to left inner side of battery box)                           |
| 24   | 73107881 | 2    | □DECAL, warning, blades and belts (4-7/16" x 1-7/8")<br>(Applied to front fenders)                                             |
| 25   | 73107889 | 1    | □DECAL, warning, pressure leaks (7-7/16" x 1-15/16")<br>(Applied to front of battery box)                                      |
| 26   | 73107885 | 2    | □DECAL, warning, towing (4-7/16" x 1-15/16") (Applied to front main frame and rear of main housing)                            |
| 27   | 73107894 | 2    | □DECAL, warning, element cleaning (4-7/16" x 1-15/16")<br>(Applied to cowl)                                                    |
| 28   | 73107897 | 4    | □DECAL, warning, inoperative brakes (4-9/16" x 2-1/8")<br>(Applied to rear of main housing)                                    |
| 29   | 73107890 | 2    | DECAL, warning, scissors point (6-1/2" x 2-1/4")<br>(Applied to ripper tool bar linkage)                                       |
| 30   | 73108074 | 1    | □DECAL, horn (2" x 3") (Applied to right side of transmission control tower)                                                   |
| 31   | 70661226 | 3    | DECAL, "HD16" (Applied to side of battery box, rear of fuel tank and side of hydraulic tank or tool box)                       |
| 32   | 70666405 | 3    | DECAL, "SERIES B" (1-1/4" x 8-1/8") (Applied to side of battery box, rear of fuel tank and side of hydraulic tank or tool box) |
| 33   | 70694453 | 2    | □DECAL, "16-B" (6" x 16-5/8") (Applied to rear of hydraulic tank or tool box and side of battery box)                          |
| 34   | 70927640 | 2    | DECAL, "17000 - MARK II POWER"                                                                                                 |
| 35   | 70924320 | 1    | DECAL, "A-C" trademark (6-3/4", black and orange)                                                                              |
|      | 70924541 | 1    | DECAL, "A-C" trademark (6-3/4", white) (Optional)                                                                              |
| 36   | 70924306 | 2    | DECAL, "A-C" trademark (7-3/4", black and orange)                                                                              |
|      | 70924463 | 2    | DECAL, "A-C" trademark (7-3/4", white) (Optional)                                                                              |
| 37   | 70924550 | 3    | DECAL, "ALLIS-CHALMERS" (1-7/8" x 30")<br>(Applied to sides of hood and front of radiator guard)                               |
| 38   | 70924554 | 1    | DECAL, "ALLIS-CHALMERS" (3-1/16" x 50")<br>(Applied to rear of fuel tank)                                                      |
| 39   | 70694424 | 2    | □DECAL, "F-A" trademark (8" x 9-1/16" black)<br>(Applied to sides of radiator guard)                                           |
| 40   | 70694425 | 1    | DECAL, "F-A" trademark (9-1/2" x 10-3/4")<br>(Applied to canopy right bracket for units equipped with RIPPER)                  |
| 41   | 70694436 | 1    | □DECAL, "FIAT-ALLIS" (3" x 19-1/4" black)<br>(Applied to front of radiator guard)                                              |
| 42   | 70694437 | 2    | □DECAL, "FIAT-ALLIS" (3-1/2" x 22-1/2" black)<br>(Applied to sides of hood)                                                    |
| 43   | 70697242 | 1    | □DECAL, "FIAT-ALLIS" (16" x 29-1/2" black)<br>(Applied to rear of fuel tank) (Not used with RIPPER)                            |
| 44   | -----    | 1    | DECAL, ROPS (2-1/2" x 6") (Applied to top rear cross tube of ROPS frame) (Order from local Fiat-Allis dealer)                  |
| 45   | 73110431 | 1    | KIT, decal (Includes items 5, 6, 8, 10 thru 14, 16 thru 28, 30, 33, 39 and 41 thru 43)                                         |



USAGE: Tractors prior to serial No. 19S14886

△ Units with standard 20 amp. alternator (See page 233A for second type)  
 △△ Units with optional 50 amp. alternator (See page 233C for second type)

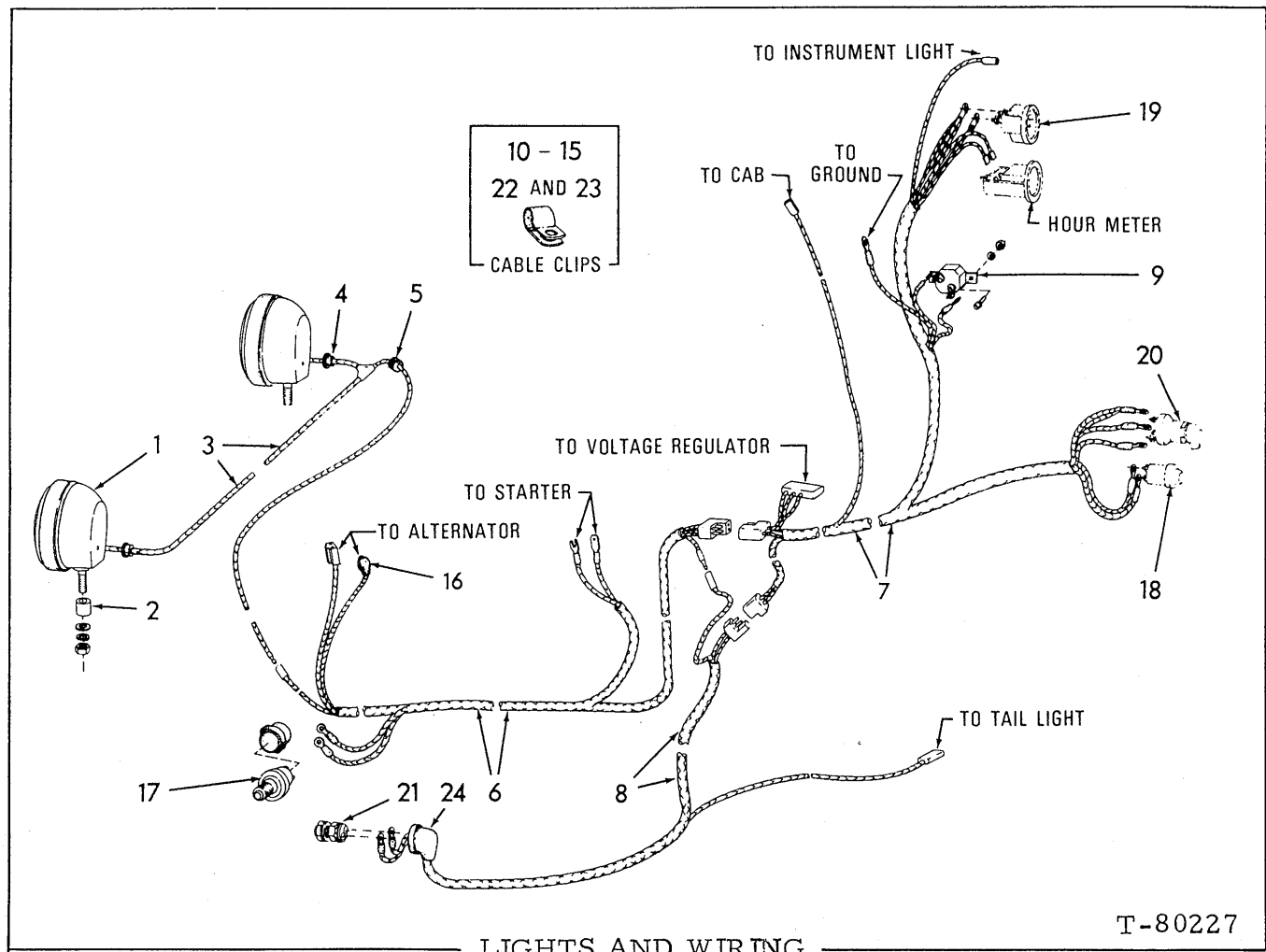
| ITEM | PART NO. | QTY. | DESCRIPTION                                                          |
|------|----------|------|----------------------------------------------------------------------|
|      |          | △ △△ |                                                                      |
| 1    | 70621429 | 2    | LIGHT ASSY., head (See page 237)                                     |
|      | 70910210 | 2    | LOCKWASHER, ext-tooth, 1/2"                                          |
|      | 70677008 | 2    | WASHER                                                               |
|      | 70911043 | 2    | NUT, 1/2" NF                                                         |
| 2    | 70064531 | 2    | SPACER, head light                                                   |
| 3    | 70667145 | 1    | CABLE, head light                                                    |
| 4    | 70087855 | 2    | GROMMET, head light cable (1" diam.)(Tractors prior to unit #13264)  |
|      | 70696335 | 2    | GROMMET, head light cable (1-1/4" diam.)(Tractor unit #13264 and up) |
| 5    | 70083987 | 1    | GROMMET, head light cable (small)                                    |
| 6    | 70682712 | 1    | HARNESS, wiring, front section                                       |
|      | 70667572 | -    | HARNESS, wiring, front section (Tractors prior to unit #12124)       |
|      | 70683147 | -    | HARNESS, wiring, front section (Tractors unit #12124 and up)         |
| 7    | 70208960 | 1    | FUSE, cartridge type, 1/4" x 1-1/4" - 20 amperes                     |

Includes  
item 7

(Continued)

(Revised April 1980)

| ITEM | PART NO. | QTY. | DESCRIPTION                                                           |
|------|----------|------|-----------------------------------------------------------------------|
|      |          | △ △△ |                                                                       |
| 8    | 70664959 | 1 -  | HARNESS, wiring, intermediate section (Tractors prior to unit #12124) |
|      | 70682711 | 1 -  | HARNESS, wiring, intermediate section (Tractors unit #12124 & up)     |
|      | 70667571 | - 1  | HARNESS, wiring, intermediate section (Tractors prior to unit #12124) |
|      | 70682705 | - 1  | HARNESS, wiring, intermediate section (Tractors unit #12124 & up)     |
|      | 70653645 | - 1  | CABLE, alternator and starter to ammeter, front section               |
|      | 70667573 | - 1  | HARNESS, alternator and starter to ammeter, rear section              |
| 9    | 70658355 | 1 1  | HARNESS, wiring, rear section (Tractors prior to unit #12124)         |
|      | 70682848 | 1 1  | HARNESS, wiring, rear section (Tractors unit #12124 and up)           |
| 10   | 70639388 | 9 9  | CLIP, headlight cables (1/8" diam., 13/32" bolt-hole)                 |
|      | 70922300 | 4 4  | CAPSCREW, 3/8"NC x 3/4"                                               |
|      | 70929156 | 4 4  | WASHER, plain                                                         |
|      | 70922763 | 1 1  | CAPSCREW, 3/8"NC x 1"                                                 |
|      | 70677006 | 1 1  | WASHER, plain                                                         |
| 11   | 70640676 | 2 2  | CLIP, wiring harness (5/16" diam., 13/32" bolt-hole)                  |
|      | 70922262 | 1 1  | CAPSCREW, 3/8"NC x 7/8"                                               |
|      | 70677006 | 1 1  | WASHER, plain                                                         |
|      | 70911026 | 1 1  | NUT, 3/8"NC                                                           |
| 12   | 70644006 | - 1  | CLIP, front wiring harness (9/16" diam., 17/32" bolt-hole)            |
| 13   | 70637741 | - 1  | CLIP, front wiring harness (5/8" diam., 17/32" bolt-hole)             |
| 14   | 70639314 | 2 -  | CLIP, wiring harness (3/8" diam., 13/32" bolt-hole)                   |
|      | 70922262 | 1 -  | CAPSCREW, 3/8"NC x 7/8"                                               |
|      | 70677006 | 1 -  | WASHER, plain                                                         |
| 15   | 70927384 | 1 -  | CLIP, front wiring harness (5/16" diam.)                              |
|      | 70921175 | 1 -  | CAPSCREW, 1/2"NC x 1"                                                 |
|      | 70677008 | 1 -  | WASHER, plain                                                         |
| 16   | 70094527 | 5 -  | CLIP, wiring harness (1/2" diam., 13/32" bolt-hole)                   |
|      | 70922262 | 4 -  | CAPSCREW, 3/8"NC x 7/8"                                               |
|      | 70677006 | 4 -  | WASHER, plain                                                         |
| 17   | 70624508 | 1 -  | CLIP, front wiring harness (1/2" diam., 17/32" bolt-hole)             |
|      | 70921175 | 1 -  | CAPSCREW, 1/2"NC x 1"                                                 |
|      | 70677008 | 1 -  | WASHER, plain                                                         |
| 18   | 70094422 | 1 6  | CLIP, wiring harness (5/8" diam., x 13/32" bolt-hole)                 |
|      | 70922262 | 1 -  | CAPSCREW, 3/8"NC x 7/8"                                               |
|      | 70677006 | 1 -  | WASHER, plain                                                         |
|      | 70928138 | - 1  | CAPSCREW, 1/4"NC x 5/8"                                               |
|      | 70928190 | - 1  | WASHER, plain                                                         |
|      | 70911024 | - 1  | NUT, 1/4"NC                                                           |
| 19   | 70639314 | 2 -  | CLIP, wiring harness (3/8" diam., 13/32" bolt-hole)                   |
| 20   | 70667579 | 1 1  | BOOT, protecting, alternator terminal                                 |
|      | 70917376 | 1 1  | NUT, #12-24NC                                                         |
| 21   | 70660694 | 1 1  | SWITCH, pressure, alternator cut-off                                  |
|      | 70632706 | 1 1  | BOOT, pressure switch                                                 |
| 22   | -----    | - -  | SWITCH, starter (See INSTRUMENTS)                                     |
| 23   | -----    | - -  | AMMETER (See INSTRUMENTS)                                             |
| 24   | -----    | - -  | SWITCH, lights (See INSTRUMENTS)                                      |
| 25   | 70631844 | 1 1  | SWITCH, safety                                                        |



USAGE: Tractors serial No. 19S14886 and up equipped with Standard 20 amp. alternator. See page 232 for first type.

| ITEM | PART NO. | QTY. | DESCRIPTION                              |
|------|----------|------|------------------------------------------|
| 1    | 70621429 | 2    | LIGHT ASSY., head (See page 237)         |
|      | 70910210 | 2    | LOCKWASHER, ext-tooth, 1/2"              |
|      | 70677008 |      | WASHER                                   |
|      | 70910195 | 2    | NUT, 1/2" NF                             |
| 2    | 70064531 | 2    | SPACER, head light                       |
| 3    | 70695023 | 1    | CABLE, head light                        |
| 4    | 70696335 | 2    | GROMMET, head light cable (1-1/4" diam.) |
| 5    | 70083987 | 1    | GROMMET, head light cable (small)        |
| 6    | 70695006 | 1    | HARNESS, front section                   |
| 7    | 70695031 | 1    | HARNESS, intermediate section            |
| 8    | 70695091 | 1    | HARNESS, rear section                    |
| 9    | 70161824 | 1    | CIRCUIT BREAKER                          |
|      | 70910968 | 2    | SCREW, #10-24 NC x 1"                    |
|      | 70910284 | 2    | LOCKWASHER, #10                          |
|      | 70901310 | 2    | NUT, #10-24 NC                           |

(Continued)

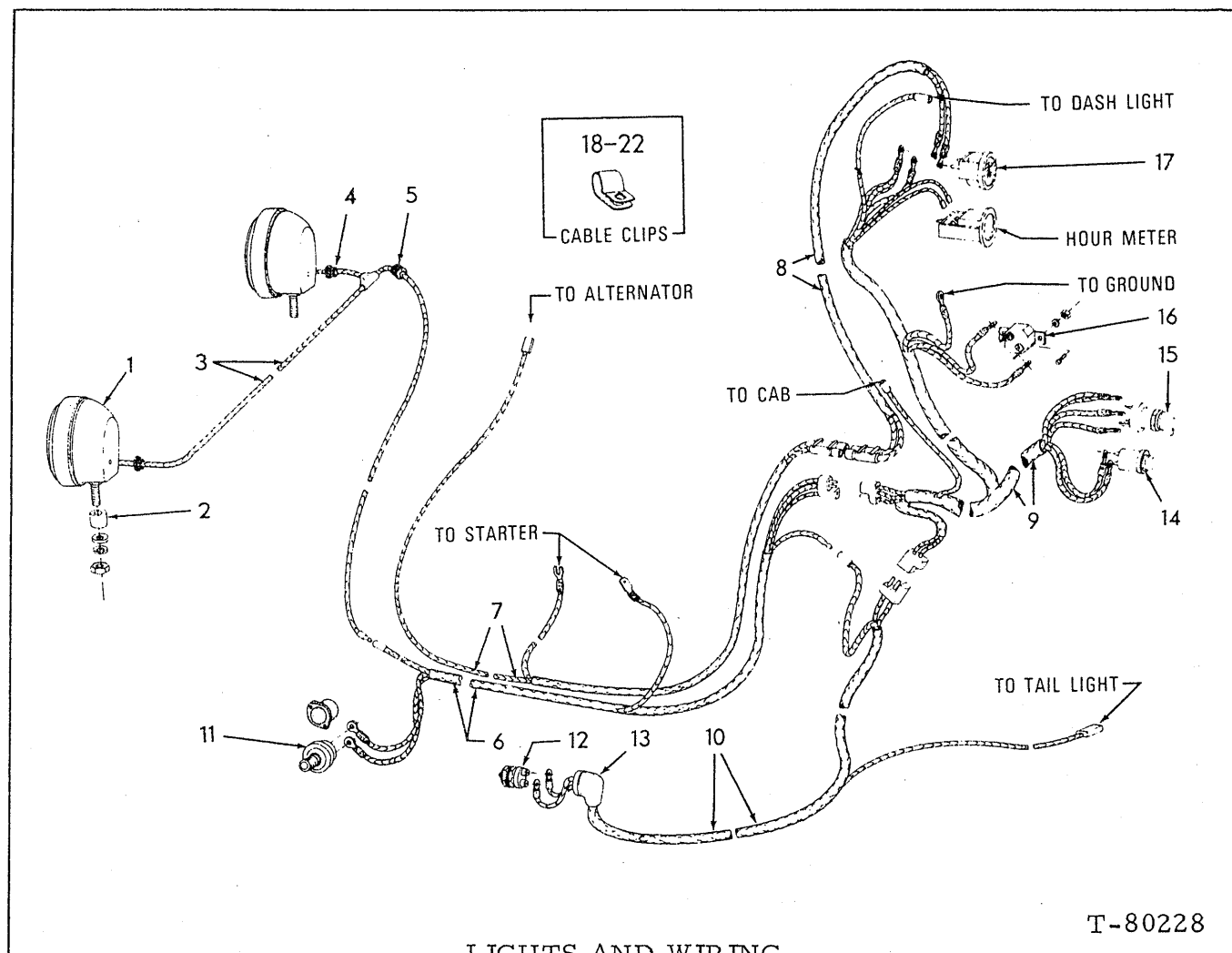
(Revised April 1980)

LIGHTS AND WIRING (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                               |
|------|----------|------|-------------------------------------------|
| 10   | 70925097 | 3    | CLAMP                                     |
|      | 70922763 | 2    | CAPSCREW, 3/8" NC x 1"                    |
|      | 70922262 | 1    | CAPSCREW, 3/8" NC x 7/8"                  |
|      | 70677006 | 3    | WASHER                                    |
|      | 70906960 | 1    | LOCKWASHER, int-tooth, 3/8"               |
| 11   | 70639388 | 6    | CLIP                                      |
|      | 70922262 | 3    | CAPSCREW, 3/8" NC x 7/8"                  |
|      | 70677006 | 3    | WASHER                                    |
| 12   | 70665211 | 1    | CLIP                                      |
|      | 70922262 | 1    | CAPSCREW, 3/8" NC x 7/8"                  |
|      | 70677006 | 1    | WASHER                                    |
| 13   | 70928654 | 1    | CLIP                                      |
|      | 70922262 | 1    | CAPSCREW, 3/8" NC x 7/8"                  |
|      | 70677006 | 1    | WASHER                                    |
| 14   | 70927177 | 1    | CLIP                                      |
|      | 70921175 | 1    | CAPSCREW, 1/2" NC x 1" } Tractors prior   |
|      | 70677008 | 1    | WASHER } to unit #14878                   |
|      | 70923470 | 1    | CAPSCREW, 3/8" NC x 1-1/2" } Tractor unit |
|      | 70930370 | 2    | WASHER } #14878 and up                    |
| 15   | 70927217 | 1    | CLIP                                      |
|      | 70921175 | 1    | CAPSCREW, 1/2" NC x 1" } Tractors prior   |
|      | 70677008 | 1    | WASHER } to unit #14878                   |
|      | 70929154 | 2    | WASHER (Tractor unit #14878 and up)       |
| 16   | 70667579 | 1    | BOOT                                      |
|      | 70917376 | 1    | NUT, #12-24NC                             |
| 17   | 70660694 | 1    | SWITCH                                    |
|      | 70632706 | 1    | BOOT                                      |
| 18   | -----    | -    | SWITCH, starter } See page 238            |
| 19   | -----    | -    | AMMETER }                                 |
| 20   | -----    | -    | SWITCH, light }                           |
| 21   | 73057506 | 1    | SWITCH, safety }                          |
| 22   | 70925613 | 2    | CLAMP                                     |
| 23   | 70928656 | 1    | CLAMP                                     |
|      | 70922763 | 1    | CAPSCREW, 3/8" NC x 1"                    |
|      | 70930370 | 2    | WASHER                                    |
|      | 70900367 | 1    | NUT, 3/8" NC                              |
| 24   | 73061193 | 1    | BOOT                                      |
| 25   | 70927177 | 1    | CLAMP                                     |
|      | 70921556 | 1    | CAPSCREW, 1/2" NC x 2" } Tractor unit     |
|      | 70928844 | 3    | WASHER } #14878 and up                    |
|      | 70900369 | 1    | NUT, 1/2" NC }                            |

(Revised August 1977)





### LIGHTS AND WIRING

USAGE: Tractors serial No. 19S14888 and up equipped with optional 50 amp. alternator. See page 232 for first type.

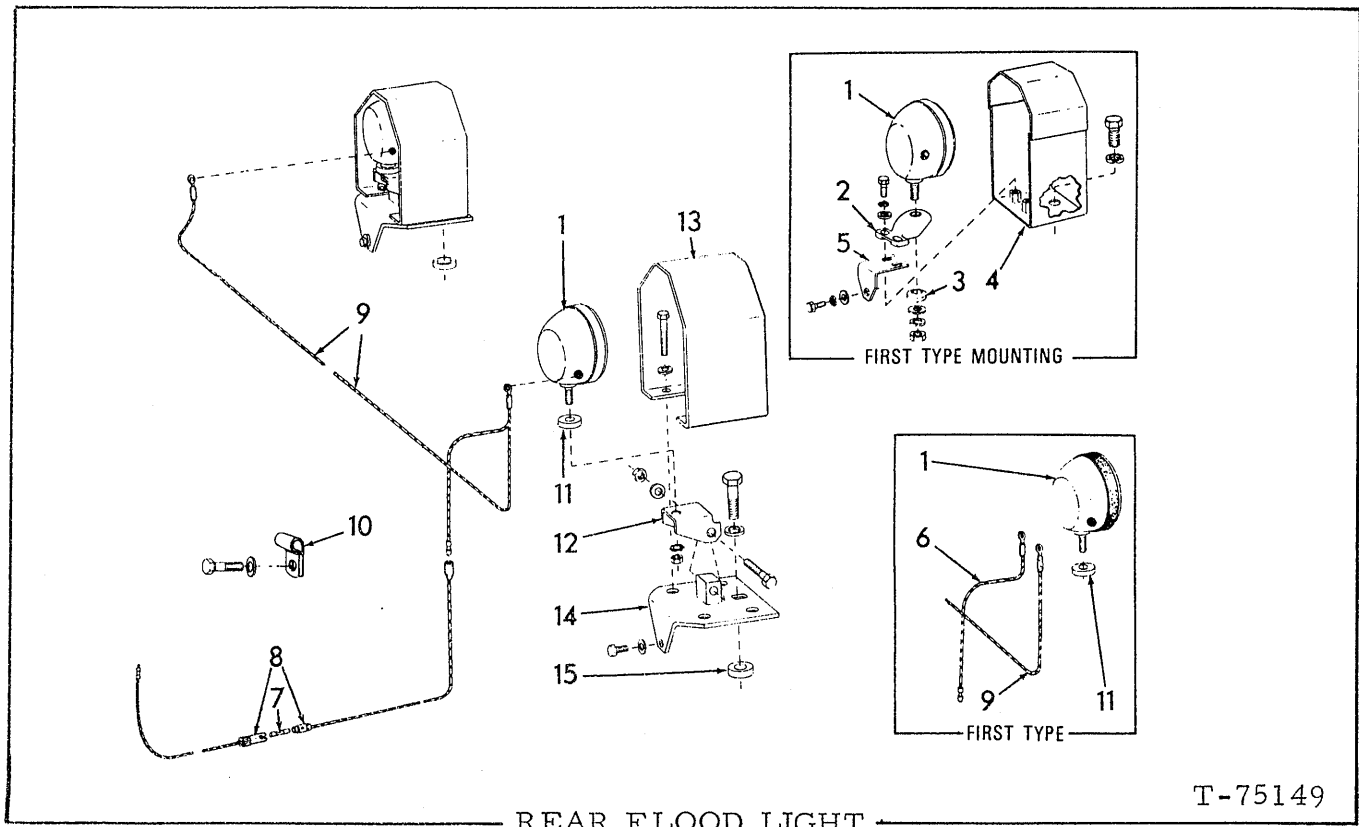
| ITEM | PART NO. | QTY. | DESCRIPTION                                          |
|------|----------|------|------------------------------------------------------|
| 1    | 70621429 | 2    | LIGHT ASSY., head (See page 237)                     |
|      | 70910210 | 2    | LOCKWASHER, ext-tooth, 1/2"                          |
|      | 70677008 | 2    | WASHER                                               |
|      | 70910195 | 2    | NUT, 1/2" NF                                         |
| 2    | 70064531 | 2    | SPACER                                               |
| 3    | 70695023 | 1    | CABLE, head light                                    |
| 4    | 70696335 | 2    | GROMMET (1-1/4" diam.)                               |
| 5    | 70083987 | 1    | GROMMET (small)                                      |
| 6    | 70695060 | 1    | HARNESS, front section                               |
| 7    | 70695038 | 1    | CABLE, front section (Tractors prior to unit #14878) |
|      | 73112351 | 1    | CABLE, front section (Tractor unit #14878 and up)    |
| 8    | 70695039 | 1    | CABLE, intermediate section                          |
| 9    | 70695042 | 1    | HARNESS, intermediate section                        |
| 10   | 70695091 | 1    | HARNESS, rear section                                |
| 11   | 70660694 | 1    | SWITCH, pressure                                     |
|      | 70632706 | 1    | BOOT                                                 |

(Continued)

(Revised April 1980)

LIGHTS AND WIRING (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION              |
|------|----------|------|--------------------------|
| 12   | 73057506 | 1    | SWITCH, safety           |
| 13   | 73061193 | 1    | BOOT                     |
| 14   | -----    | -    | SWITCH, starter          |
| 15   | -----    | -    | SWITCH, lights           |
| 16   | 70161824 | 1    | CIRCUIT BREAKER          |
|      | 70910968 | 2    | SCREW, #10-24NC x 1"     |
|      | 70910284 | 2    | LOCKWASHER, #10          |
|      | 70901310 | 2    | NUT, #10-24NC            |
| 17   | -----    | -    | AMMETER (See page 238)   |
| 18   | 70639388 | 6    | CLIP                     |
|      | 70922262 | 3    | CAPSCREW, 3/8" NC x 7/8" |
|      | 70677006 | 3    | WASHER                   |
| 19   | 70925617 | 1    | CLAMP                    |
| 20   | 70927104 | 1    | CLAMP                    |
| 21   | 70927176 | 1    | CLAMP                    |
| 22   | 70929872 | 3    | CLAMP                    |



USAGE: Special equipment. (Units without ROPS cab or canopy)

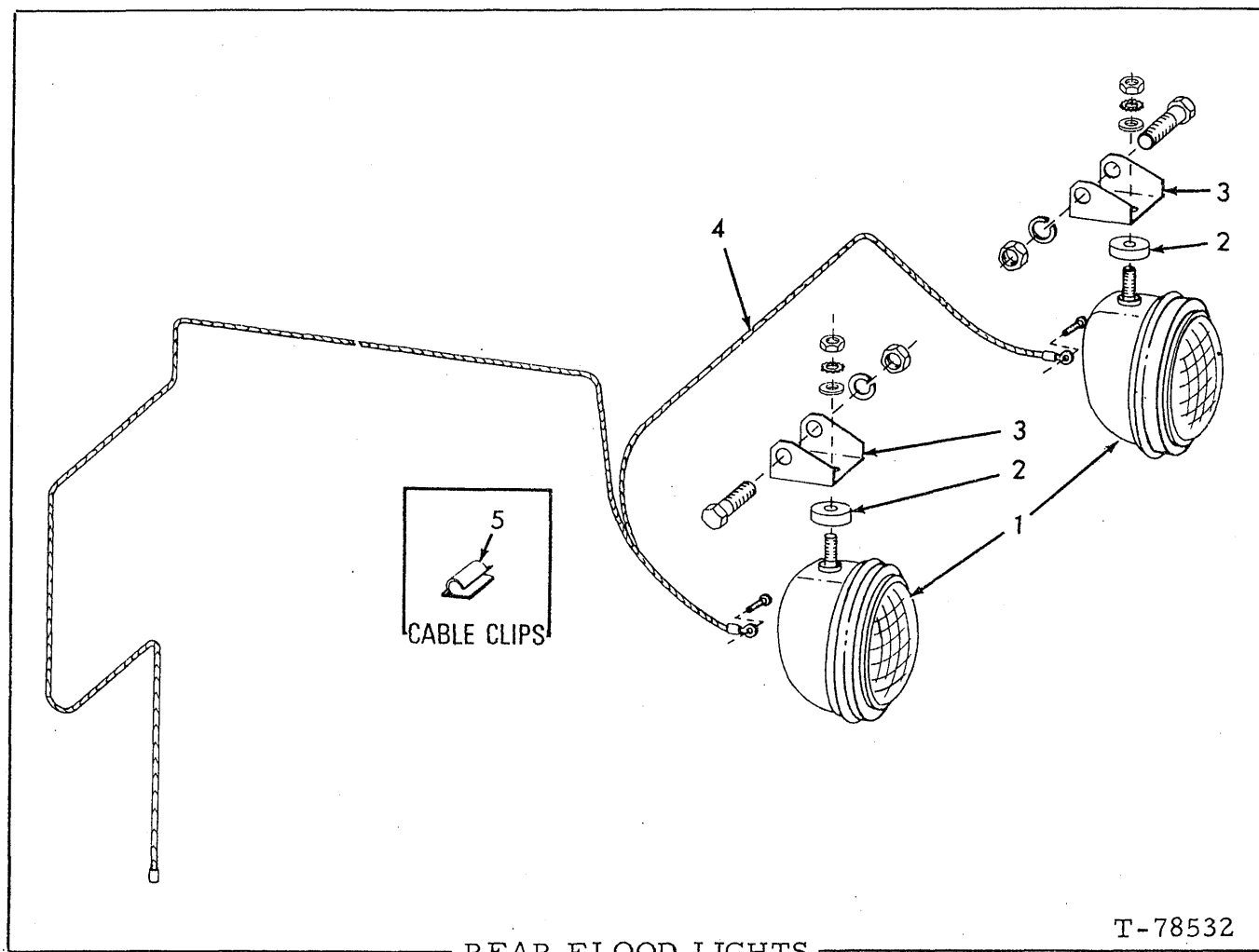
ITEM PART NO. QTY. DESCRIPTION

|    |          |   |                                                         |                          |
|----|----------|---|---------------------------------------------------------|--------------------------|
| 1  | -----    | 2 | LIGHT ASSY. (See page 237)                              |                          |
|    | 70910210 | 2 | LOCKWASHER, ext-tooth, 1/2"                             |                          |
|    | 70911043 | 2 | NUT, 1/2" NF                                            |                          |
| 2  | 70075429 | 2 | BRACKET, mounting                                       |                          |
|    | 70916272 | 4 | CAPSCREW, 3/8" NC x 1-1/4"                              | } First type<br>Mounting |
|    | 70904206 | 4 | LOCKWASHER, 3/8"                                        |                          |
|    | 70044973 | 4 | WASHER                                                  |                          |
| 3  | 70075535 | 2 | WASHER, mounting                                        |                          |
| 4  | 70675657 | 2 | GUARD, flood light                                      |                          |
|    | 70916287 | 2 | CAPSCREW, 3/4" NC x 1-1/2"                              |                          |
|    | 70904369 | 2 | LOCKWASHER, 3/4"                                        |                          |
| 5  | 70664776 | 2 | ANGLE, guard bracing                                    |                          |
|    | 70915408 | 2 | CAPSCREW, 3/8" NC x 3/4"                                |                          |
|    | 70904206 | 2 | LOCKWASHER, 3/8"                                        |                          |
|    | 70911115 | 2 | WASHER, plain, SAE std., 3/8"                           |                          |
| 6  | 70667147 | 1 | CABLE, rear section (11" long)(First type only)         |                          |
| 7  | 70208960 | 1 | FUSE, cartridge type (1/4" x 1-1/4", 20 amperes)        |                          |
| 8  | 70655485 | 1 | CABLE ASSY., front section (107" long)(Includes item 7) |                          |
| 9  | 70667146 | 1 | CABLE, light connecting (57" long)(First type)          |                          |
|    | 70695025 | 1 | CABLE, light connecting (Second type)                   |                          |
| 10 | 70639388 | 4 | CLIP, cable (1/8" diam., 13/32" bolt-hole)              |                          |
|    | 70922300 | 3 | CAPSCREW, 3/8" NC x 3/4"                                |                          |
|    | 70677006 | 3 | WASHER                                                  |                          |

(Continued)

<https://truckmanualshub.com/>  
REAR FLOOD LIGHT (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                |                           |
|------|----------|------|----------------------------|---------------------------|
| 11   | 70061528 | 2    | BOSS                       | } Second type<br>Mounting |
| 12   | 70076140 | 2    | BRACKET, mounting          |                           |
|      | 70928043 | 2    | CAPSCREW, 5/8" NC x 3-1/2" |                           |
|      | 70927381 | 2    | WASHER                     |                           |
|      | 70911029 | 2    | NUT, 5/8" NC               |                           |
| 13   | 70670774 | 2    | GUARD, flood light         |                           |
|      | 70921175 | 8    | CAPSCREW, 1/2" NC x 1"     |                           |
|      | 70928460 | 8    | WASHER                     |                           |
| 14   | 70678242 | 2    | BRACKET, guard mounting    |                           |
|      | 70922300 | 2    | CAPSCREW, 3/8" NC x 3/4"   |                           |
|      | 70677006 | 2    | WASHER                     |                           |
|      | 70921068 | 2    | CAPSCREW, 3/4" NC x 2-1/4" |                           |
|      | 70677012 | 2    | WASHER                     |                           |
| 15   | 70635831 | 2    | BLOCK, spacing             |                           |

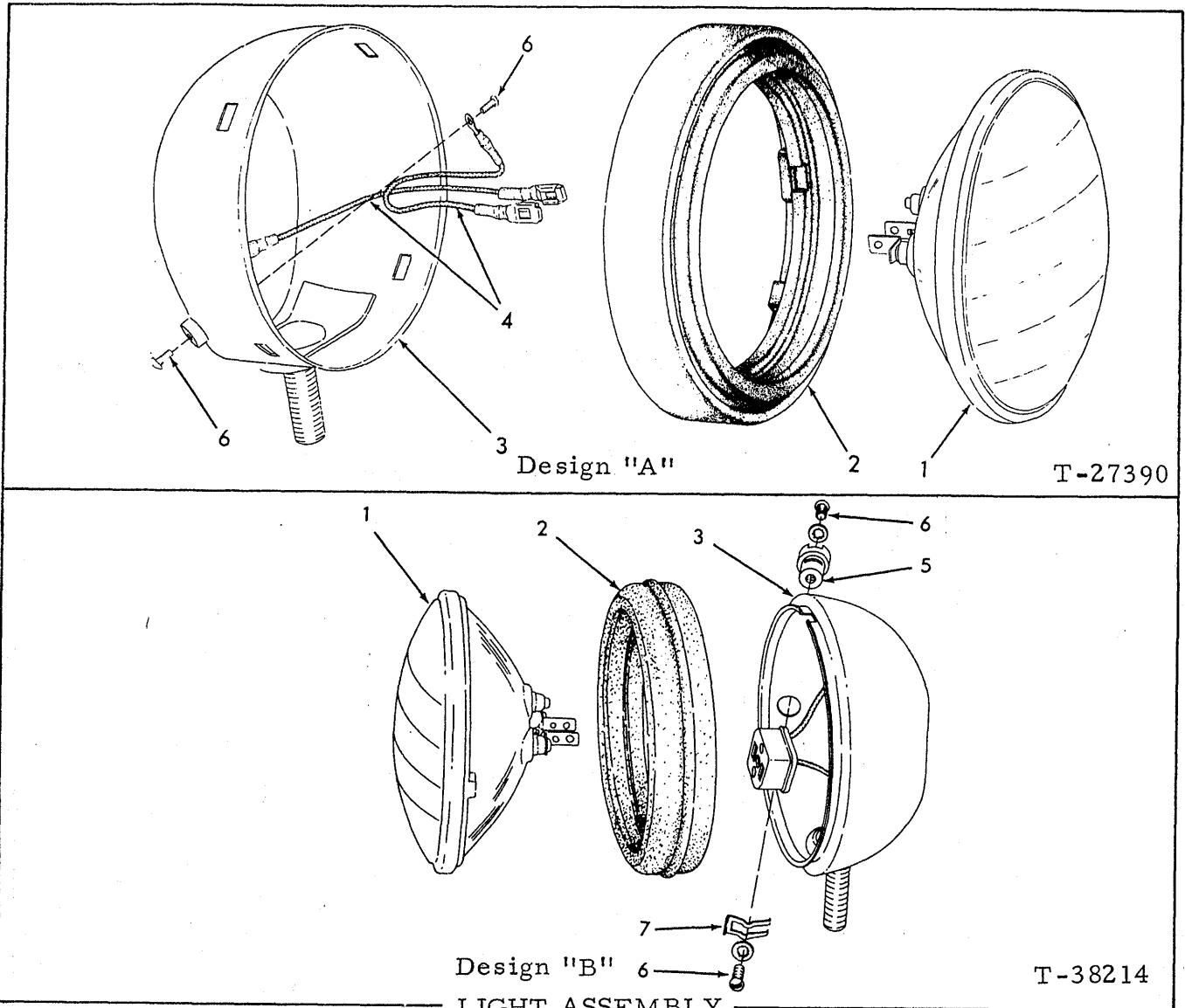


REAR FLOOD LIGHTS

T-78532

USAGE: Special equipment (Units with ROPS Cab or Canopy)

| ITEM | PART NO. | QTY. | DESCRIPTION                                |
|------|----------|------|--------------------------------------------|
| 1    | -----    | 2    | LIGHT ASSY. (See page 237)                 |
|      | 70911043 | 2    | NUT, 1/2" NF                               |
|      | 70910210 | 2    | LOCKWASHER, 1/2"                           |
|      | 70677008 | 2    | WASHER (Two additional used on late units) |
| 2    | 70061528 | 2    | BOSS (First type only)                     |
| 3    | 70076140 | 2    | BRACKET, pivot                             |
|      | 70928043 | 2    | CAPSCREW, 5/8" NC x 3-1/2"                 |
|      | 70927381 | 2    | WASHER                                     |
|      | 70911029 | 2    | NUT, 5/8" NC                               |
| 4    | 70691253 | 1    | CABLE, light connecting (86" long)         |
| 5    | 73059884 | 16   | CLIP, cable supporting (Adhesive backing)  |



LIGHT ASSEMBLY

USAGE: See pages 232, 233A, 233C, 234 and 236

\* Design "A"

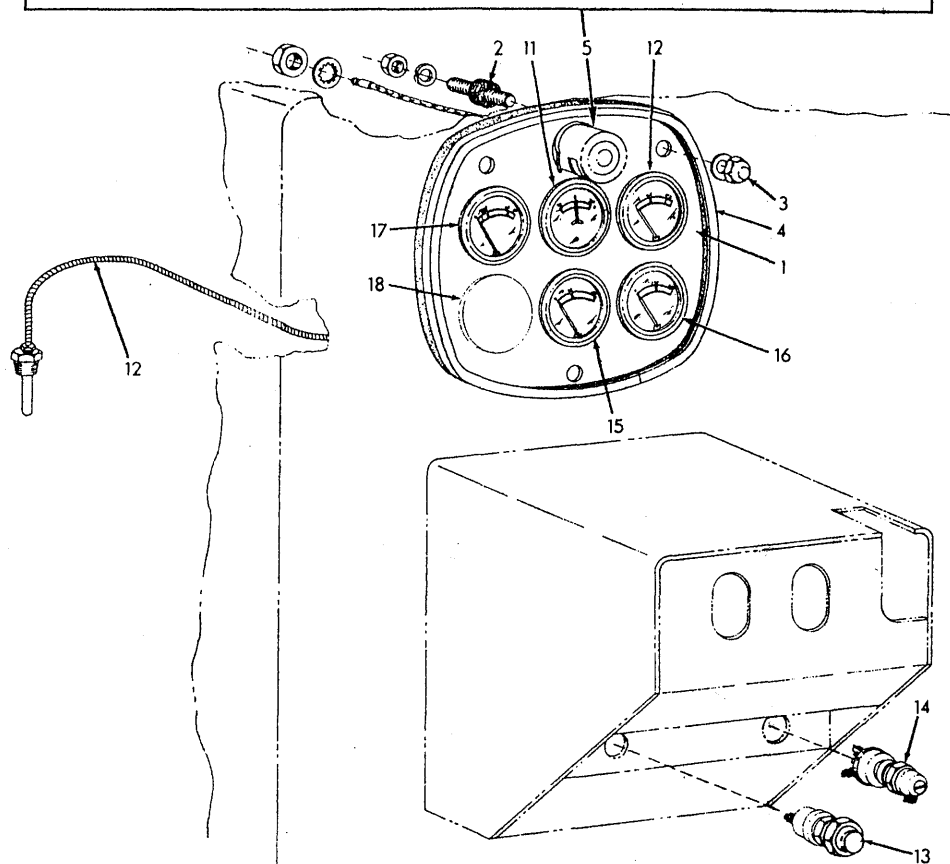
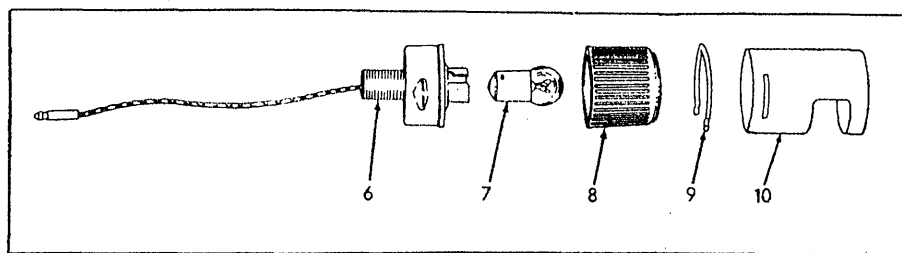
\*\* Design "B"

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|-------------|
|      |          | *    | *           |

NOTE: This Light Assembly is available in two designs. Check illustration to determine which is applicable to your unit and order service parts accordingly.

|   |          |   |   |                                       |                           |
|---|----------|---|---|---------------------------------------|---------------------------|
| - | 70621429 | 2 | 2 | LIGHT ASSY. (Includes items 1 thru 7) |                           |
| 1 | 70182763 | 1 | 1 | SEALED BEAM (24 volt)                 |                           |
| 2 | 70621428 | 1 | - | RETAINER                              |                           |
|   | 70638282 | - | 1 | RETAINER                              |                           |
| 3 | -----    | 1 | - | BODY                                  | } Not serviced separately |
|   | -----    | - | 1 | BODY (Includes receptacle)            |                           |
| 4 | 70621724 | 2 | - | CABLE                                 |                           |
| 5 | 70695694 | - | 1 | INSULATOR PACKAGE                     |                           |
| 6 | 70912731 | 2 | 2 | SCREW, machined, rd-hd., #8NC x 5/16" |                           |
|   | 70912739 | - | 2 | LOCKWASHER, #8                        |                           |
| 7 | 70048922 | - | 1 | SPRING                                |                           |

(Revised June 1978)



T-74647

# INSTRUMENTS

USAGE: Tractors prior to serial No. 19S14886. See page 239A for second type.

ITEM PART NO. QTY. DESCRIPTION

|   |          |   |                                                                          |
|---|----------|---|--------------------------------------------------------------------------|
| 1 | 70656905 | 1 | PLATE, instrument mounting (Tractors prior to unit #12833)               |
|   | 70686358 | 1 | PLATE, instrument mounting (Tractors unit #12833 and up)                 |
| 2 | 70642746 | 3 | CUSHION, instrument mounting plate                                       |
|   | 70910287 | 3 | LOCKWASHER, 3/8"                                                         |
|   | 70911041 | 3 | NUT, 3/8"NF                                                              |
| 3 | 70930404 | 3 | NUT, instrument mounting plate                                           |
|   | 70930728 | 3 | WASHER, plain (Stainless steel)                                          |
| 4 | 70656923 | 1 | SEAL, weather, instrument mounting plate (Tractors prior to unit #12833) |
|   | 70686516 | 1 | SEAL, weather, instrument mounting plate (Tractors unit #12833 and up)   |

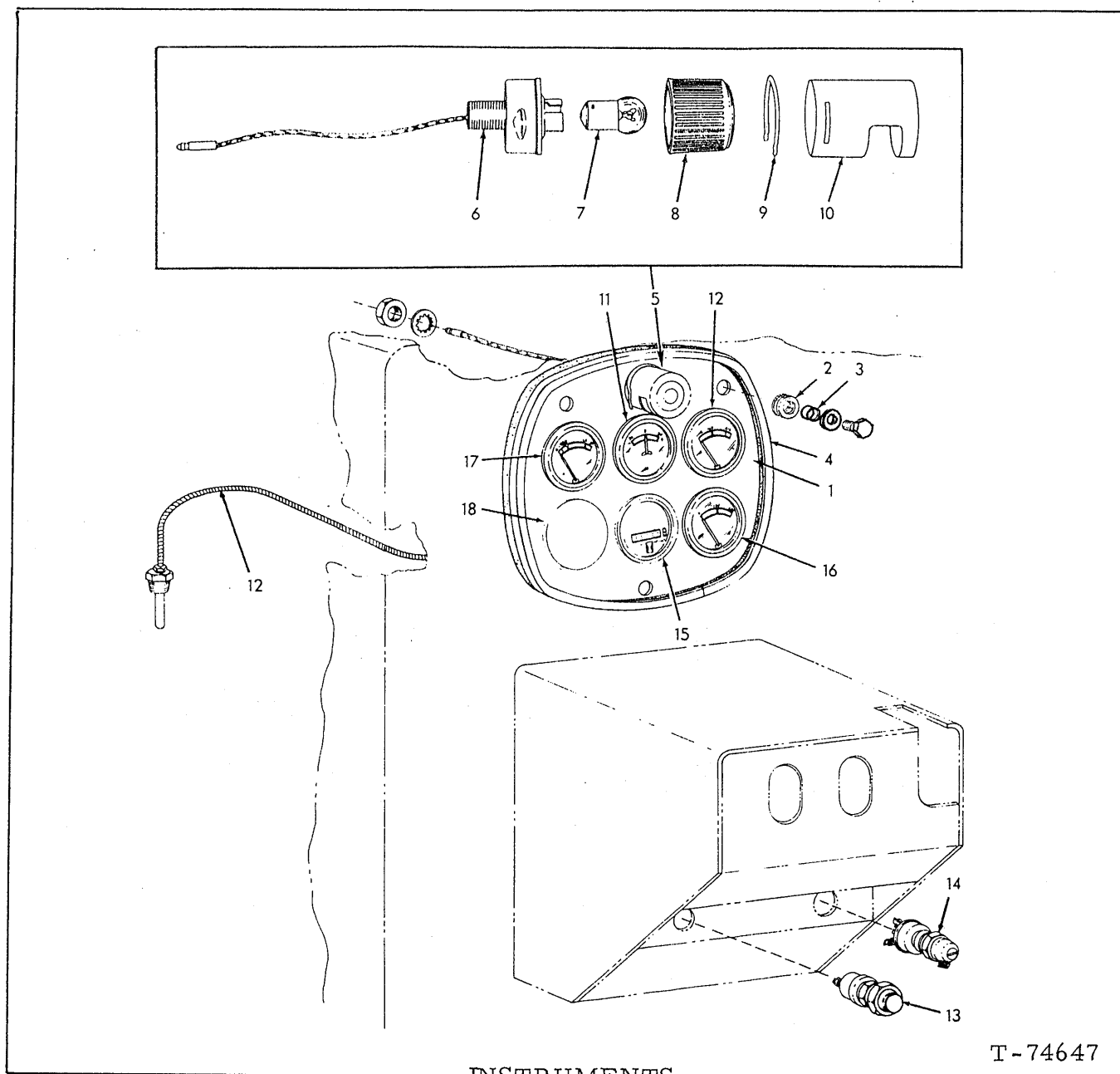
(Continued)

(Revised April 1980)

INSTRUMENTS (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                                        |                                |
|------|----------|------|--------------------------------------------------------------------|--------------------------------|
| 5    | 70658641 | 1    | LIGHT ASSY. (Consists of items 6 thru 10)                          |                                |
|      | 70911049 | 1    | NUT, jam, 5/8"NF                                                   |                                |
|      | 70910334 | 1    | LOCKWASHER, int-tooth, 5/8"                                        |                                |
| 6    | -----    | 1    | BASE ASSY. (Not serviced separately)                               |                                |
| 7    | 70074452 | 1    | BULB, single contact, 6 C. P., 24 volt                             |                                |
|      | 73115057 | 1    | BULB, single contact, 3 C. P., 24 volt                             |                                |
| 8    | 70095267 | 1    | LENS, clear                                                        |                                |
|      | 73115058 | 1    | LENS, blue                                                         |                                |
| 9    | 70095265 | 1    | SPRING                                                             |                                |
| 10   | 70659002 | 1    | COVER                                                              |                                |
| 11   | 70658348 | 1    | AMMETER (30 amp. Standard)(Tractors prior to unit #14647)          | } Each includes mounting clamp |
|      | 70695983 | 1    | AMMETER (50 amp. Standard)(Tractor unit #14647 and up)             |                                |
|      | 70658534 | 1    | AMMETER (80 amp. Special equipment)                                |                                |
| 12   | 70658397 | 1    | GAUGE, engine temperature (Tractors prior to unit #14647)          |                                |
|      | 70695982 | 1    | GAUGE, engine temperature (Tractor unit #14647 and up)             | } Each includes mounting clamp |
| 13   | 70240962 | 1    | SWITCH ASSY., starter (Includes mounting nut)                      |                                |
| 14   | 70661345 | 1    | SWITCH ASSY., lights (Includes mounting nut)                       |                                |
| 15   | -----    | 1    | GAUGE, transmission lubricating oil pressure (See page 242)        |                                |
| 16   | -----    | 1    | GAUGE, transmission hydraulic pressure (See page 242)              |                                |
| 17   | -----    | 1    | GAUGE, engine oil pressure (See page 241)                          |                                |
| 18   | -----    | 1    | GAUGE, fuel pressure (See page 240)(Tractors prior to unit #12651) |                                |
|      | 70921193 | 1    | PLUG, button, 2-3/32" hole diam. (Tractors unit #12651 and up)     |                                |





T-74647

# INSTRUMENTS

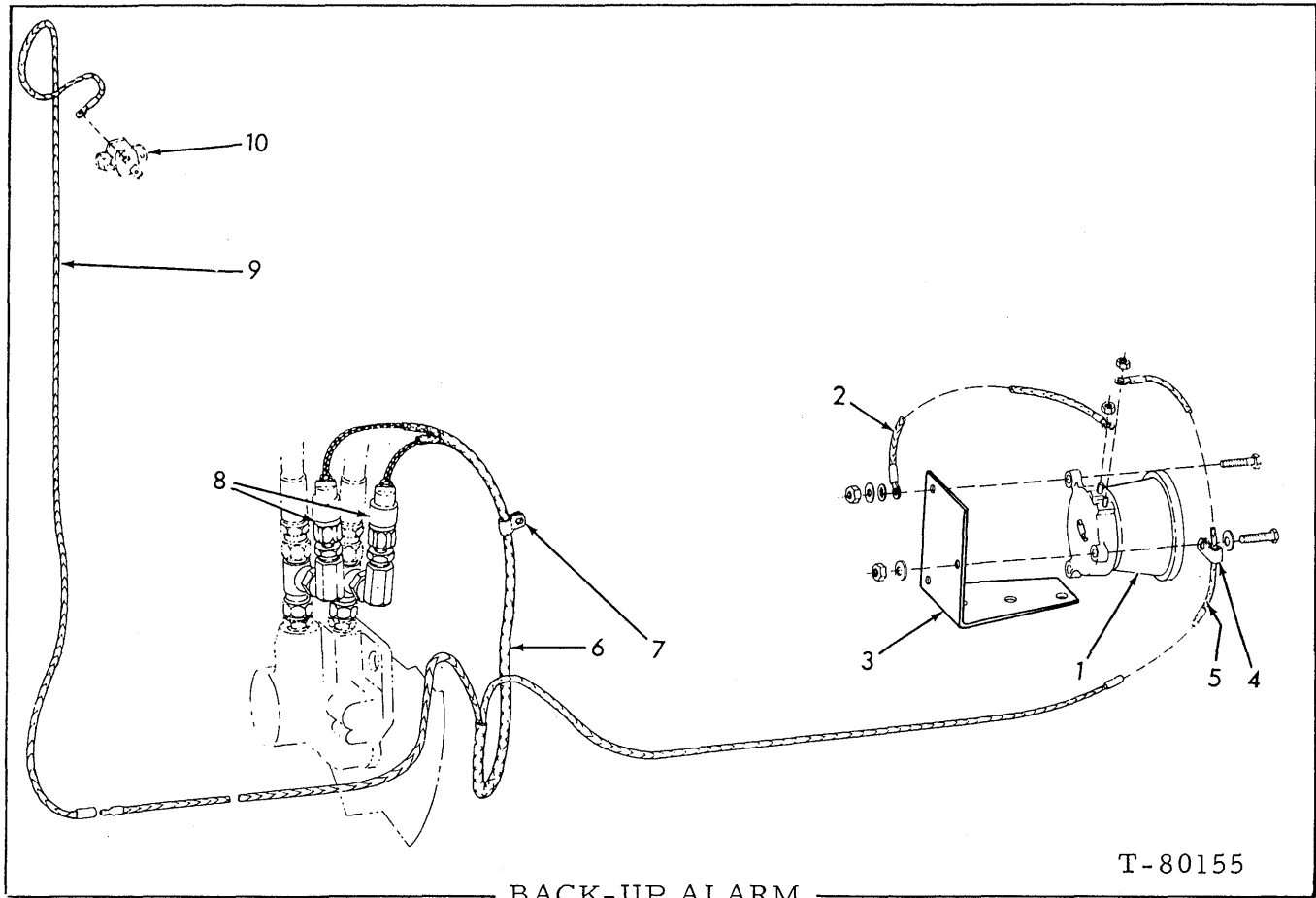
USAGE: Tractors serial No. 19S14886 and up. See page 238 for first type.

| ITEM | PART NO. | QTY. | DESCRIPTION                               |
|------|----------|------|-------------------------------------------|
| 1    | 70695839 | 1    | PLATE, instrument mounting                |
| 2    | 70913233 | 3    | GROMMET                                   |
| 3    | 70698697 | 3    | SLEEVE                                    |
|      | 70930736 | 3    | CAPSCREW, 1/4" NC x 3/4"                  |
|      | 70930735 | 3    | WASHER                                    |
| 4    | 70692562 | 1    | SEAL, weather, instrument mounting plate  |
| 5    | 70693635 | 1    | LIGHT ASSY. (Consists of items 6 thru 10) |
|      | 70911049 | 1    | NUT, jam, 5/8" NF                         |
|      | 70910334 | 1    | LOCKWASHER, int-tooth, 5/8"               |

(Continued)

(Revised April 1980)

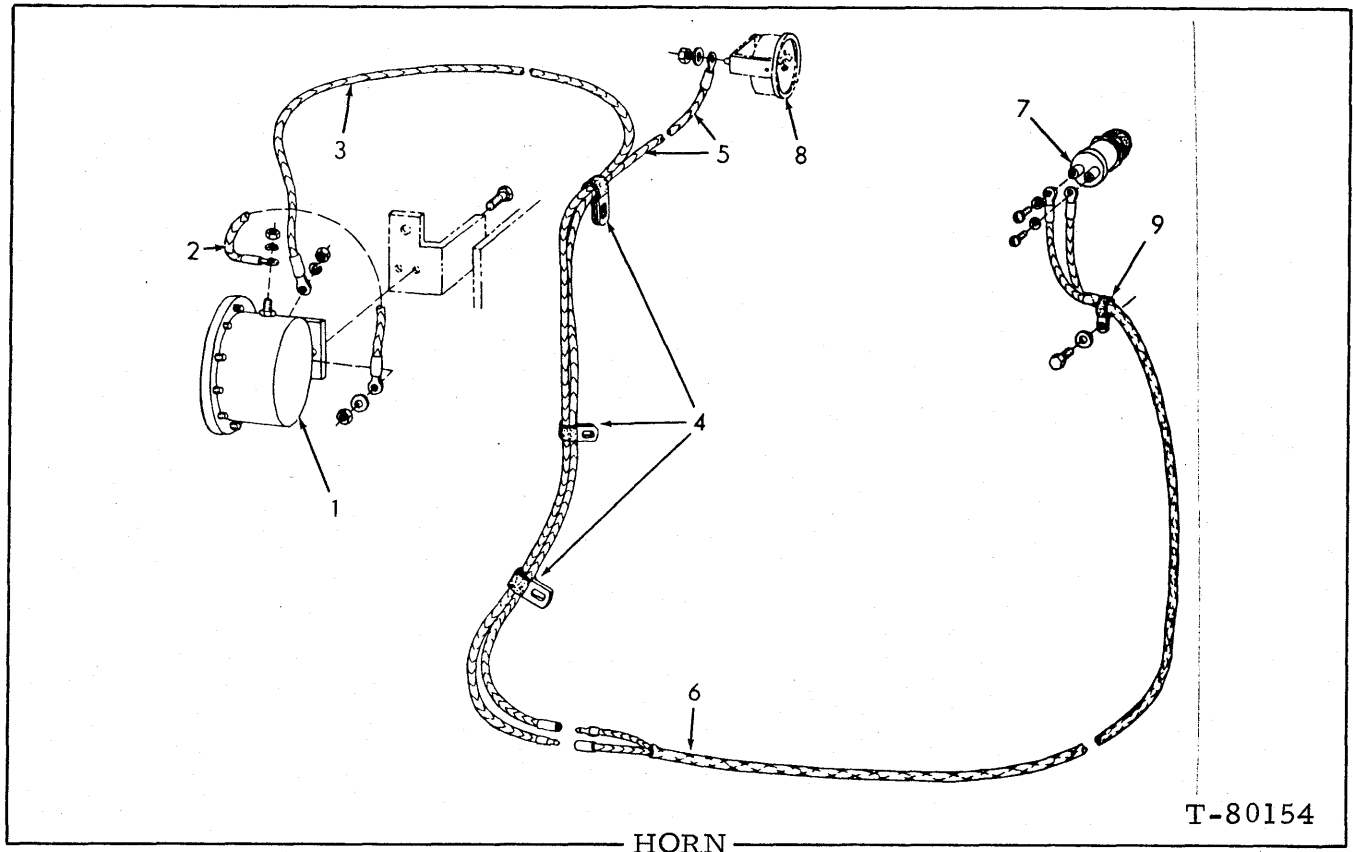
| ITEM | PART NO. | QTY. | DESCRIPTION                                           |
|------|----------|------|-------------------------------------------------------|
| 6    | -----    | 1    | BASE ASSY. (Not serviced separately)                  |
| 7    | 70074452 | 1    | BULB, single contact, 6 C.P. 24 volt                  |
|      | 73115057 | 1    | BULB, single contact, 3 C.P. 24 volt                  |
| 8    | 70095267 | 1    | LENS, clear                                           |
|      | 73115058 | 1    | LENS, blue                                            |
| 9    | 70095265 | 1    | SPRING                                                |
| 10   | 70693636 | 1    | COVER                                                 |
| 11   | 70695983 | 1    | AMMETER (50 amp. Standard)                            |
|      | 70658534 | 1    | AMMETER (80 amp. Special equipment)                   |
| 12   | 70695982 | 1    | GAUGE, engine temperature (Includes mounting clamp)   |
| 13   | 70240962 | 1    | SWITCH ASSY., starter (Includes mounting nut)         |
| 14   | 70661345 | 1    | SWITCH ASSY., lights (Includes mounting nut)          |
| 15   | -----    | 1    | HOUR METER (See page 244)                             |
| 16   | -----    | 1    | GAUGE, transmission hydraulic pressure (See page 242) |
| 17   | -----    | 1    | GAUGE, engine oil pressure (See page 241)             |
| 18   | 70921193 | 1    | PLUG, button, 2-3/32" hole diam.                      |



USAGE: Tractor S/N 19S14896 and up

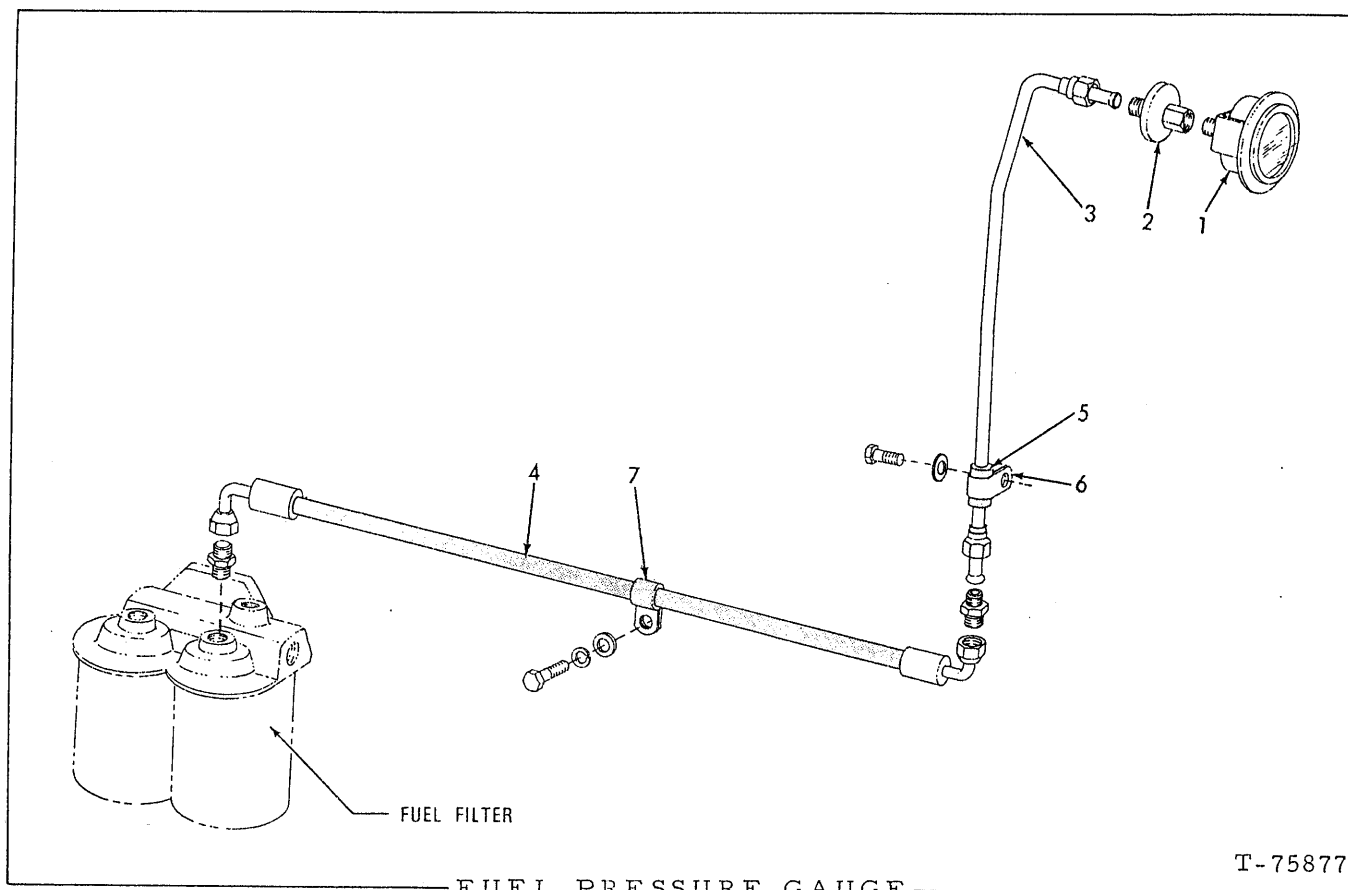
| ITEM | PART NO. | QTY. | DESCRIPTION                                                  |
|------|----------|------|--------------------------------------------------------------|
| 1    | 73122739 | 1    | HORN                                                         |
|      | 70921382 | 3    | CAPSCREW, 1/4"NC x 1-1/4"                                    |
|      | 70677004 | 6    | WASHER                                                       |
|      | 70917730 | 3    | NUT, 1/4"NC                                                  |
| 2    | 70671763 | 1    | CABLE                                                        |
|      | 70920187 | 1    | LOCKWASHER, int.-tooth, 1/4"                                 |
| 3    | 73109537 | 1    | BRACKET                                                      |
| 4    | 70640707 | 1    | CLIP                                                         |
| 5    | 73109703 | 1    | CABLE                                                        |
| 6    | 73109973 | 1    | HARNESS                                                      |
| 7    | 70653050 | 1    | CLIP                                                         |
| 8    | 73066429 | 2    | SWITCH, pressure                                             |
|      | 70904269 | 2    | BUSHING, pipe, 1/2" x 1/8"                                   |
|      | 70932842 | 2    | ELBOW, flare type, 1/2" tube, 1/2" str. thd.                 |
|      | 70921298 | 2    | TEE, flare type, 1/2" tube, 3/4" str.thd.<br>(Includes nuts) |
| 9    | 70688282 | 1    | CABLE                                                        |
| 10   | -----    | 1    | CIRCUIT BREAKER (See page 233A)                              |

(Revised April 1981)



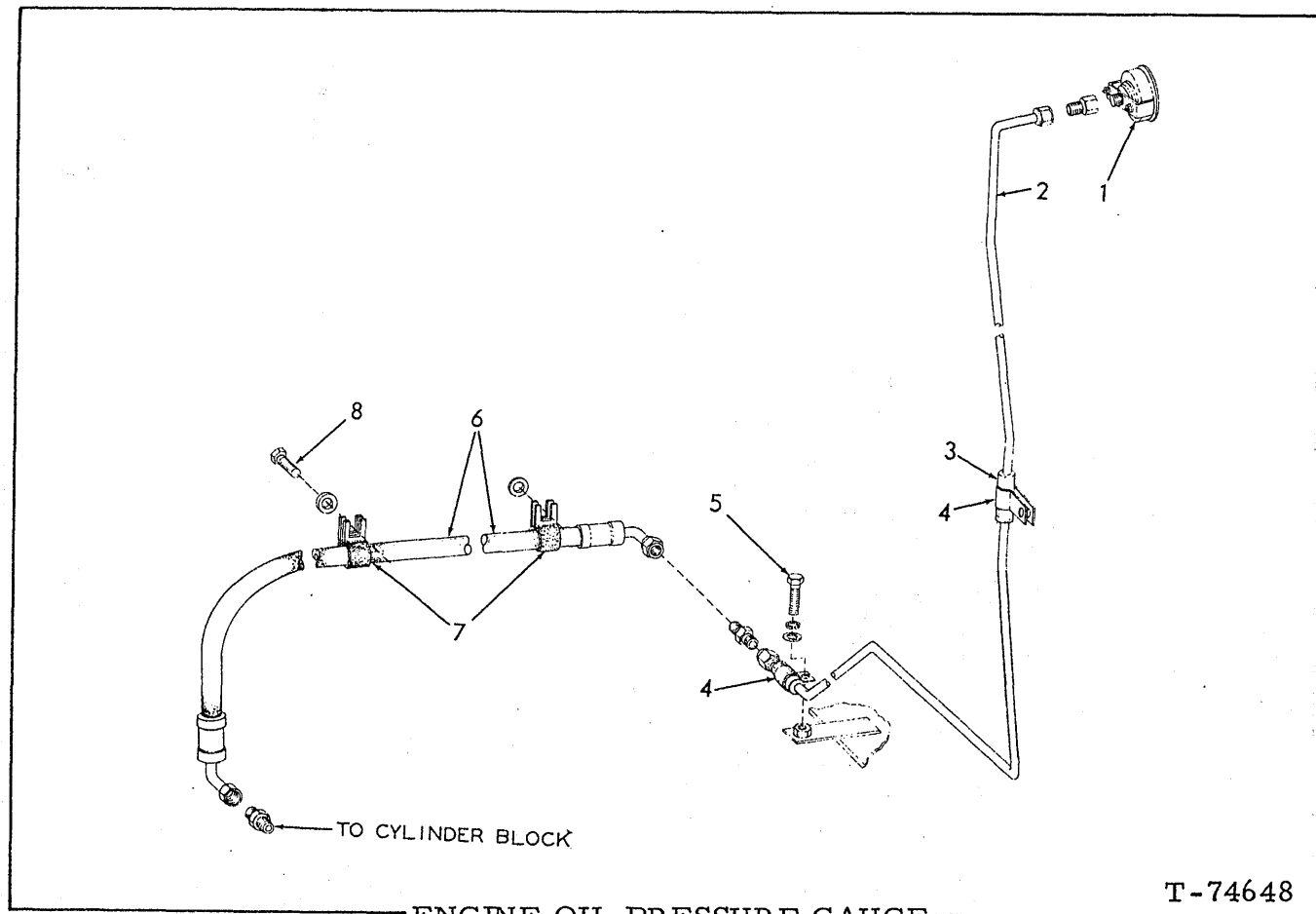
USAGE: Used on units S/N 19S14896 and up

| ITEM | PART NO. | QTY. | DESCRIPTION                            |
|------|----------|------|----------------------------------------|
| 1    | 73107839 | 1    | HORN                                   |
|      | 70921382 | 2    | CAPSCREW, 1/4"NC x 1-1/4"              |
|      | 70677004 | 2    | WASHER                                 |
|      | 70900365 | 2    | NUT, 1/4" NC                           |
| 2    | 70697529 | 1    | CABLE                                  |
|      | 70909055 | 1    | LOCKWASHER, #10                        |
|      | 70917415 | 1    | NUT, #10-32 NF                         |
| 3    | 73108455 | 1    | CABLE                                  |
|      | 70909055 | 1    | LOCKWASHER, #10                        |
|      | 70917415 | 1    | NUT, #10-32 NF                         |
| 4    | 70640677 | 4    | CLIP                                   |
| 5    | 70688282 | 1    | CABLE                                  |
| 6    | 73110061 | 1    | HARNESS                                |
| 7    | 70253322 | 1    | SWITCH ASSY. (Serviced only as a unit) |
| 8    | -----    | 1    | AMMETER (See page 239)                 |
| 9    | 70640674 | 1    | CLIP                                   |
|      | 70928138 | 1    | CAPSCREW, 1/4"NC x 5/8"                |
|      | 70928190 | 1    | WASHER                                 |

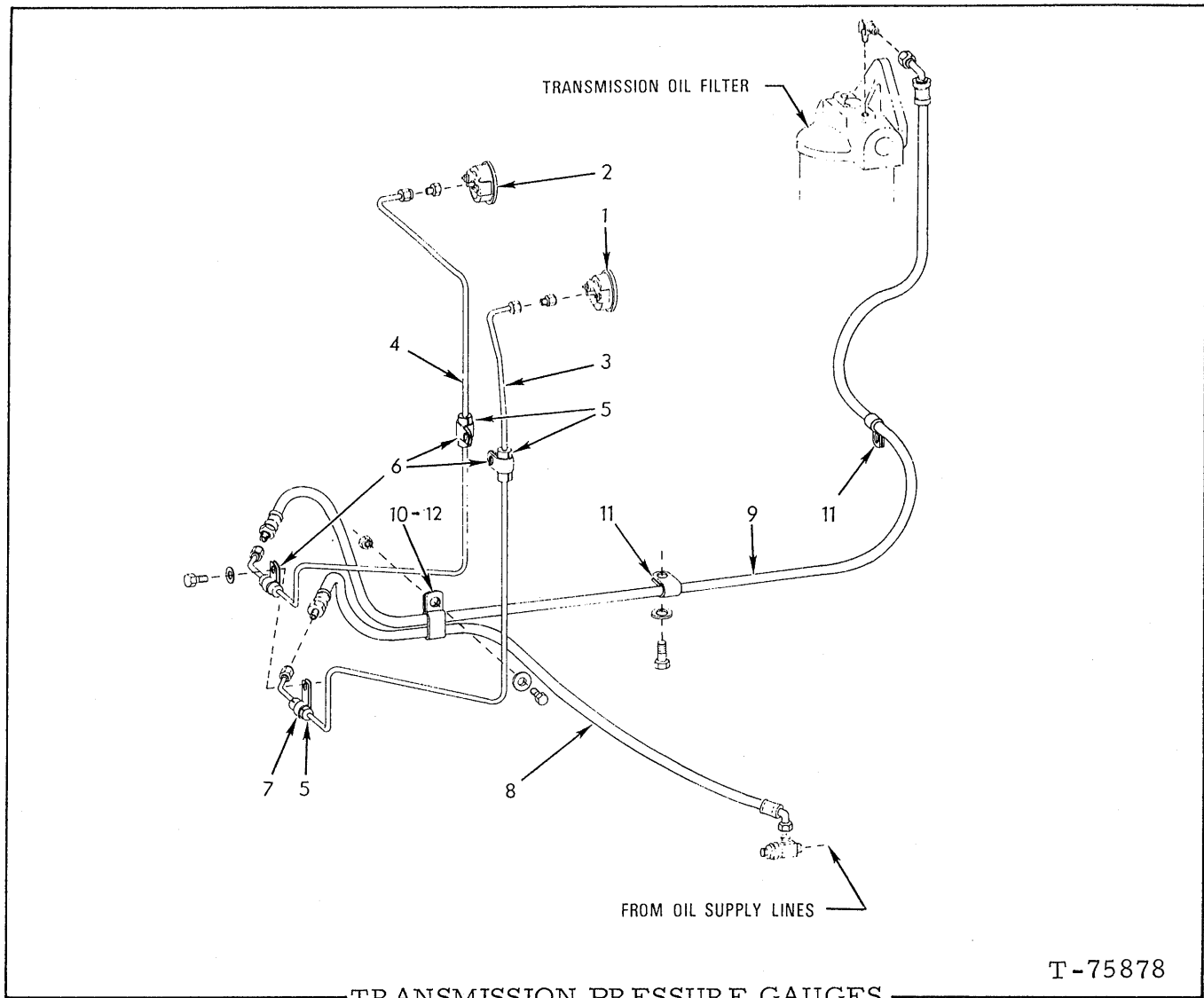


USAGE: Tractors prior to serial No. 19S12651

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                            |
|------|----------|------|----------------------------------------------------------------------------------------|
| 1    | 70658349 | 1    | GAUGE (Includes mounting clamp)                                                        |
| 2    | 70088534 | 1    | RESTRICTOR                                                                             |
| 3    | 70656940 | 1    | TUBE ASSY. (Includes nuts)                                                             |
|      | 70919214 | 1    | UNION, flare type, 1/4" tube                                                           |
| 4    | 70658320 | 1    | HOSE (See HOSE PARTS)(Tractors prior to unit #12088)                                   |
|      | 70919171 | 1    | CONNECTOR, flare type, 1/4" tube, 1/8"NPT female<br>(Tractors prior to unit #12088)    |
|      | 70646910 | 1    | HOSE (See HOSE PARTS)(Tractors unit #12088 thru #12650)                                |
|      | 70926292 | 1    | CONNECTOR, flare type, 1/4" tube, 1/8"NPT female<br>(Tractors unit #12088 thru #12650) |
| 5    | 70093972 | 1    | BOOT, tube protecting (rubber)                                                         |
| 6    | 70047381 | 1    | CLIP, tube supporting                                                                  |
|      | 70922300 | 1    | CAPSCREW, 3/8"NC x 3/4"                                                                |
|      | 70927453 | 1    | WASHER, plain                                                                          |
| 7    | 70620035 | 1    | CLIP, hose supporting                                                                  |
|      | 70927400 | 1    | CAPSCREW, 3/8"NC x 5/8"                                                                |
|      | 70910287 | 1    | LOCKWASHER, 3/8"                                                                       |
|      | 70911115 | 1    | WASHER, plain, SAE std., 3/8"                                                          |



| ITEM | PART NO. | QTY. | DESCRIPTION                                       |                               |
|------|----------|------|---------------------------------------------------|-------------------------------|
| 1    | 70658293 | 1    | GAUGE (Tractors prior to unit #14647              | Each includes mounting clamp  |
|      | 70691745 | 1    | GAUGE (Tractor unit #14647 and up)                |                               |
| 2    | 70656909 | 1    | TUBE ASSY. (Tractors prior to unit # 11677)       | Each includes nuts            |
|      | 70679563 | 1    | TUBE ASSY. (Tractors unit #11677 and up)          |                               |
|      | 70919174 | 1    | CONNECTOR, flare type, 1/4" tube, 1/8" NPT female |                               |
|      | 70919214 | 1    | UNION, flare type, 1/4" tube                      |                               |
| 3    | 70093972 | 2    | BOOT (rubber)                                     |                               |
| 4    | 70047381 | 2    | CLIP (5/8" diam., 13/32" bolt-hole)               |                               |
| 5    | 70922300 | 1    | CAPSCREW, 3/8" NC x 3/4"                          | Tractors prior to unit #14886 |
|      | 70927453 | 1    | WASHER                                            |                               |
|      | 70910287 | 1    | LOCKWASHER, 3/8"                                  | Tractor unit #14886 and up    |
|      | 70927173 | 1    | CAPSCREW, 3/8" NC x 1-1/8"                        |                               |
|      | 70677006 | 2    | WASHER                                            |                               |
|      | 70911026 | 1    | NUT, 3/8" NC                                      |                               |
| 6    | 70658321 | 1    | HOSE (See HOSE PARTS)                             |                               |
|      | 70919140 | 1    | CONNECTOR, flare type, 1/4" tube, 1/4" NPT male   |                               |
| 7    | 70620035 | 2    | CLIP (1/2" diam., 13/32" bolt-hole)               |                               |
| 8    | 70922300 | 1    | CAPSCREW, 3/8" NC x 3/4"                          |                               |
|      | 70677006 | 2    | WASHER                                            |                               |



T-75878

TRANSMISSION PRESSURE GAUGES

| ITEM | PART NO. | QTY. | DESCRIPTION                                       |                                |
|------|----------|------|---------------------------------------------------|--------------------------------|
| 1    | 70658313 | 1    | GAUGE (Tractors prior to unit #14647)             | } Each includes mounting clamp |
|      | 70695985 | 1    | GAUGE (Tractors unit #14647 thru #14885)          |                                |
| 2    | 70676408 | 1    | GAUGE (Tractors prior to unit #14647)             |                                |
|      | 70695987 | 1    | GAUGE (Tractor unit #14647 and up)                |                                |
| 3    | 70658123 | 1    | TUBE ASSY. (Tractors prior to unit #11677)        | } Each includes nuts           |
|      | 70679562 | 1    | TUBE ASSY. (Tractors unit #11677 thru #14885)     |                                |
|      | 70919174 | 1    | CONNECTOR, flare type, 1/4" tube, 1/8" NPT female |                                |
| 4    | 70656907 | 1    | TUBE ASSY. (Tractors prior to unit #12719)        | } Each includes nuts           |
|      | 70678890 | 1    | TUBE ASSY. (Tractors unit #12719 and up)          |                                |
|      | 70919174 | 1    | CONNECTOR, flare type, 1/4" tube, 1/8" NPT female |                                |

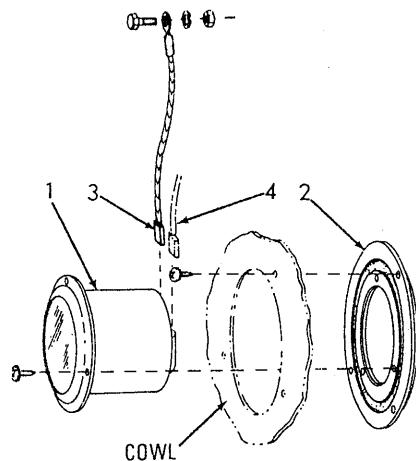
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TRANSMISSION PRESSURE GAUGES (Continued)

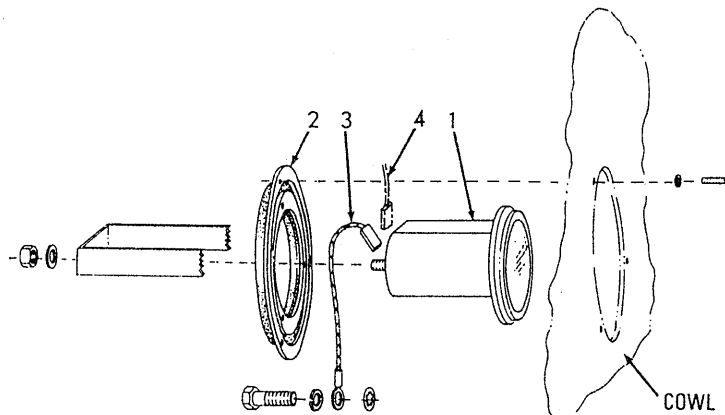
| ITEM | PART NO. | QTY. | DESCRIPTION                                                          |
|------|----------|------|----------------------------------------------------------------------|
| 5    | 70093972 | 4    | BOOT, tube protecting (rubber)(Two less used on unit #14886 and up)  |
| 6    | 70047381 | 3    | CLIP, tube supporting (short)(One less used on unit #14886 and up)   |
|      | 70922763 | 2    | CAPSCREW, 3/8"NC x 1"                                                |
|      | 70677006 | 2    | WASHER, plain                                                        |
| 7    | 70628723 | 1    | CLIP (Used prior to unit #14886)                                     |
| 8    | 70658319 | 1    | HOSE, lube oil gauge (See HOSE PARTS)(Tractors prior to unit #14886) |
| 9    | 70665900 | 1    | HOSE, hydraulic pressure gauge (See HOSE PARTS)                      |
|      | 70919546 | 1    | ELBOW, flare type, 90°, 1/4"NPT male                                 |
| 10   | 70644908 | 1    | CLIP, hose supporting                                                |
|      | 70922300 | 1    | CAPSCREW, 3/8"NC x 3/4" } Tractors prior to unit #14886              |
|      | 70927453 | 1    | WASHER, plain                                                        |
|      | 70911026 | 1    | NUT, 3/8"NC                                                          |
| 11   | 70644006 | 2    | CLIP, hose supporting (9/16" diam.)                                  |
|      | 70921175 | 1    | CAPSCREW, 1/2"NF x 1"                                                |
|      | 70928188 | 1    | WASHER, plain                                                        |
| 12   | 70620035 | 1    | CLIP                                                                 |
|      | 70922763 | 1    | CAPSCREW, 3/8"NC x 1" } Tractors unit #14886 and up                  |
|      | 70677006 | 1    | WASHER                                                               |
|      | 70911026 | 1    | NUT, 3/8"NC                                                          |

(Revised April 1980)





FIRST TYPE



SECOND TYPE

T-79133

— HOUR METER (ELECTRICAL) —

USAGE: Replaces mechanical hour meter

\* Tractors serial No. 19S12124 thru 19S12926

\*\* Tractors serial No. 19S12927 and up

| ITEM | PART NO. | QTY. | DESCRIPTION                                           |
|------|----------|------|-------------------------------------------------------|
|      |          | * ** |                                                       |
| 1    | 70650299 | 1 -  | METER                                                 |
|      | 70688997 | - 1  | METER (Tractors prior to unit #14647)                 |
|      | 70699126 | - 1  | METER (Tractor unit #14647 and up)                    |
|      | 70918210 | 3 -  | SCREW, thread-cutting #6 x 1/2" (Includes lockwasher) |

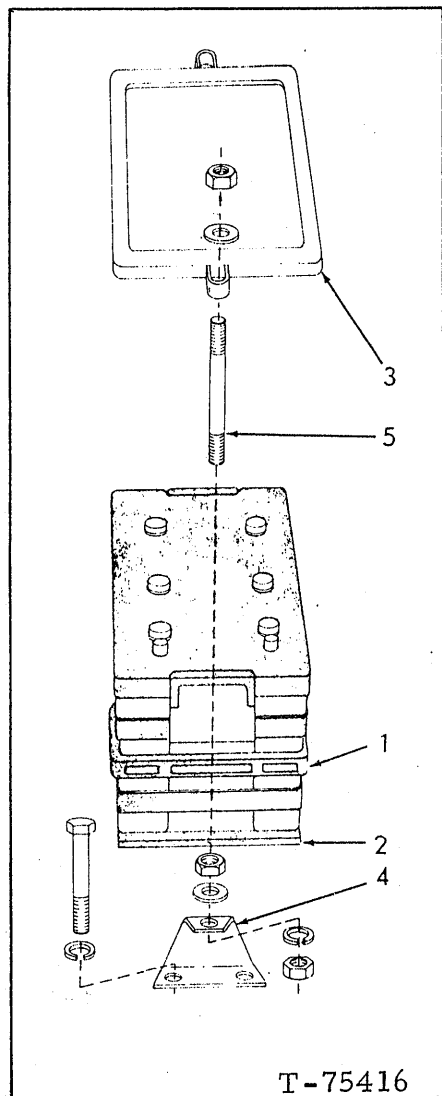
Each includes mounting hardware

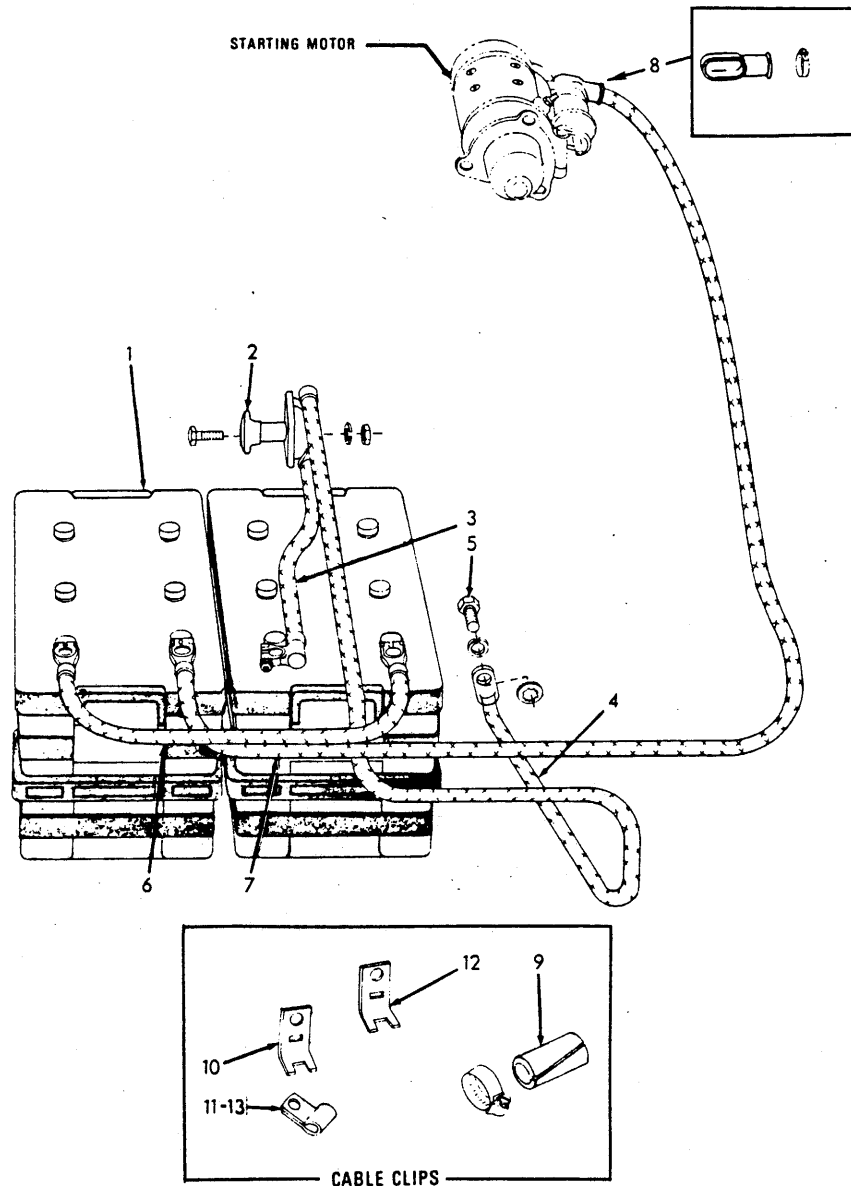
NOTE: Meter carries manufacturer's warranty and in case of failure should not be returned to Fiat-Allis. Return "Hobbs" meter to nearest Stewart-Warner agency.

|   |          |     |                                                       |
|---|----------|-----|-------------------------------------------------------|
| 2 | 70066467 | 1 1 | DAMPER                                                |
|   | 70918210 | 3 - | SCREW, thread-cutting #6 x 1/2" (Includes lockwasher) |
| 3 | 70630917 | 1 1 | CABLE (8-1/2" long)                                   |
|   | 70928182 | 1 1 | CAPSCREW, 1/4"NC x 1/2"                               |
|   | 70910285 | 1 1 | LOCKWASHER, 1/4"                                      |
|   | 70911024 | 1 - | NUT, 1/4"NC                                           |
|   | 70906958 | - 1 | LOCKWASHER, 1/4"                                      |
| 4 | -----    | 1 1 | HARNESS (See page 232)                                |

# BATTERY MOUNTING

| ITEM | PART NO. | QTY. | DESCRIPTION                        |
|------|----------|------|------------------------------------|
| 1    | -----    | 2    | BATTERY (See BATTERIES and CABLES) |
| 2    | 70085680 | 2    | PAD, battery bottom                |
| 3    | 70662760 | 2    | HOLD-DOWN, battery                 |
| 4    | 70662745 | 2    | BRACKET, hold-down stud            |
|      | 70927542 | 4    | CAPSCREW, 1/2" NC x 5-1/2"         |
|      | 70928460 | 4    | WASHER                             |
| 5    | 70619814 | 4    | STUD, hold-down                    |
|      | 70677008 | 8    | WASHER                             |
|      | 70928460 | 4    | WASHER                             |
|      | 70911043 | 12   | NUT, 1/2" NF                       |





BATTERIES AND CABLES

T-74652

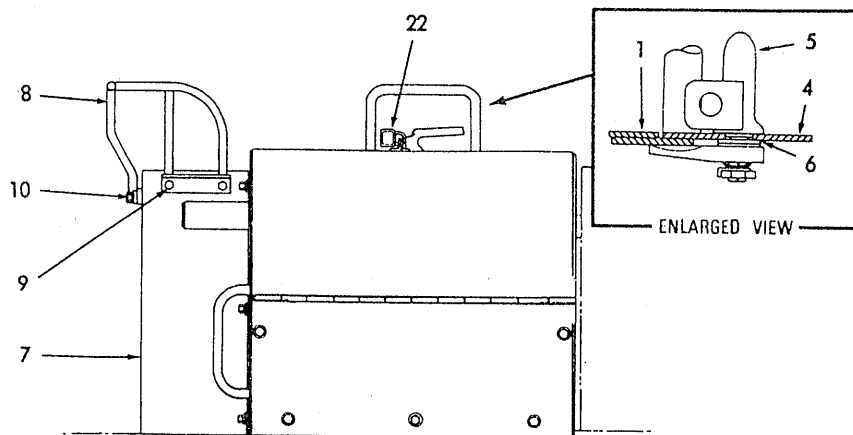
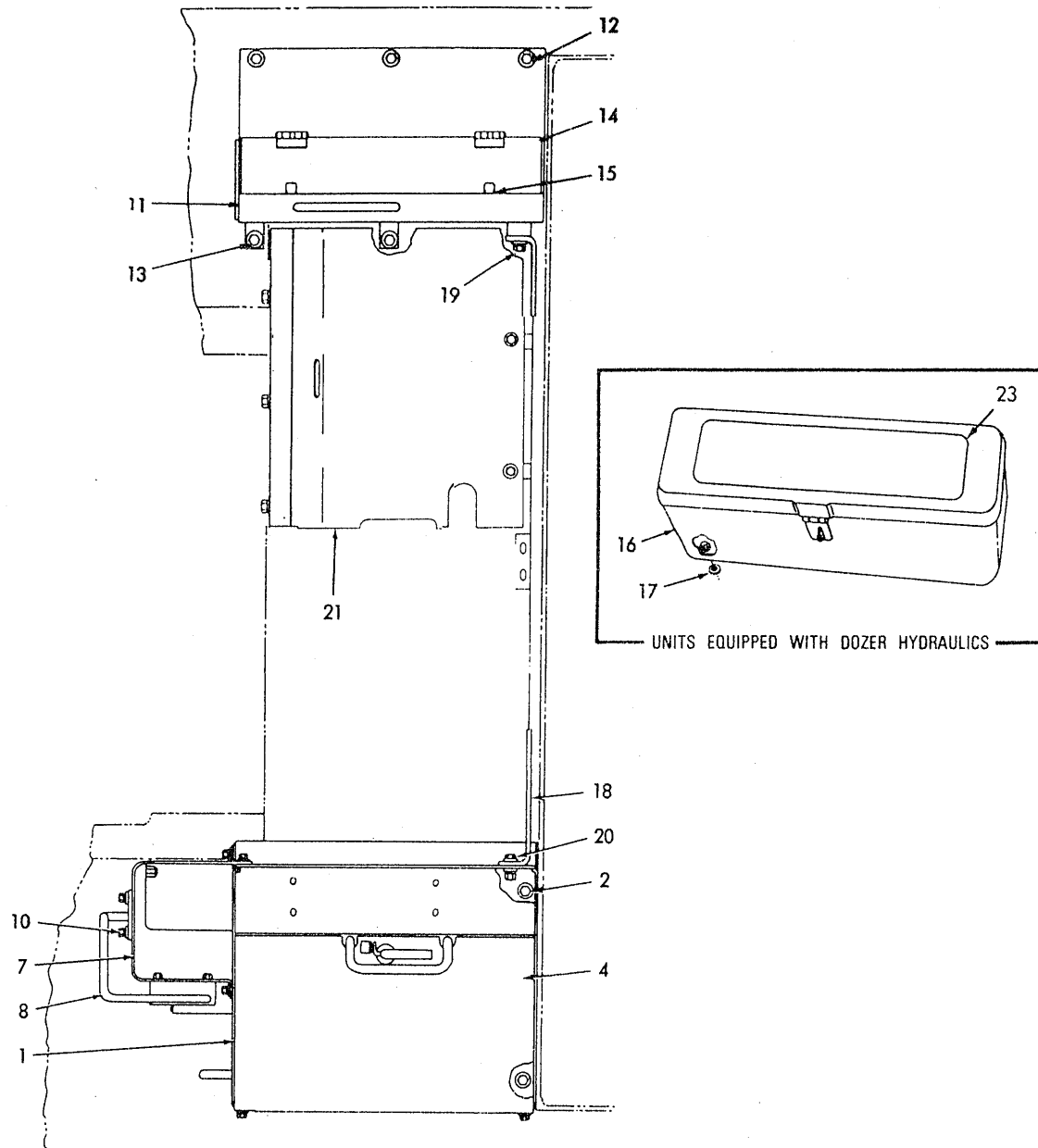
| ITEM | PART NO. | QTY. | DESCRIPTION                                                                                           |                             |
|------|----------|------|-------------------------------------------------------------------------------------------------------|-----------------------------|
| 1    | 70695471 | 2    | BATTERY, storage, 12 volts, dry-charged (Each requires 14 qts. electrolyte)                           |                             |
| 1A   | 70243526 | 1    | ELECTROLYTE ("Z" pack -6.1 qts.)                                                                      | } Not illustrated           |
|      | 70243527 | 1    | ELECTROLYTE ("F" pack - 5 gal.)                                                                       |                             |
| 1B   | 70243528 | 1    | HOSE, electrolyte dispensing (For use with 5 gal. pack)                                               |                             |
| 2    | 79010713 | 1    | SWITCH ASSY., master (Serviced only as a unit)                                                        | } Trs. prior to unit #15471 |
|      | 70927541 | 2    | CAPSCREW, 1/4" NC x 3/4"                                                                              |                             |
|      | 70910285 | 2    | LOCKWASHER, 1/4"                                                                                      |                             |
|      | 70911024 | 2    | NUT, 1/4" NC                                                                                          |                             |
|      | 73129379 | 1    | SWITCH ASSY. master (Serviced only as a unit)(Includes mounting hardware)(Tractor unit #15471 and up) |                             |

BATTERIES AND CABLES (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                |
|------|----------|------|--------------------------------------------|
| 3    | 70662841 | 1    | CABLE, battery to master switch (13" long) |
| 4    | 70662843 | 1    | CABLE, master switch to ground (69" long)  |
| 5    | 70922262 | 1    | CAPSCREW, 3/8" NC x 7/8"                   |
|      | 70930370 | 1    | WASHER                                     |
|      | 70906960 | 1    | LOCKWASHER, internal teeth, 3/8"           |
| 6    | 70662844 | 1    | CABLE, battery connecting (19" long)       |
| 7    | 70662840 | 1    | CABLE, battery to starter (140" long)      |
| 8    | 70076572 | 1    | BOOT, protecting, starter terminal         |
|      | 70922660 | 1    | CLAMP, hose, 13/16" to 1-1/2" diam.        |
| 9    | 70076469 | 9    | BOOT, cable protecting                     |
|      | 70922660 | 9    | CLAMP, hose, 13/16" to 1-1/2" diam.        |
| 10   | 70084895 | 2    | CLIP, cable supporting                     |
| 11   | 70094422 | 1    | CLIP, cable supporting                     |
|      | 70922262 | 1    | CAPSCREW, 3/8" NC x 3/4"                   |
|      | 70677006 | 1    | WASHER                                     |
| 12   | 70633653 | 5    | CLIP, cable supporting                     |
|      | 70922262 | 2    | CAPSCREW, 3/8" NC x 7/8"                   |
|      | 70930370 | 2    | WASHER                                     |
| 13   | 70665211 | 1    | CLIP                                       |

} Tractor unit  
#14888 and up

(Revised April 1980)



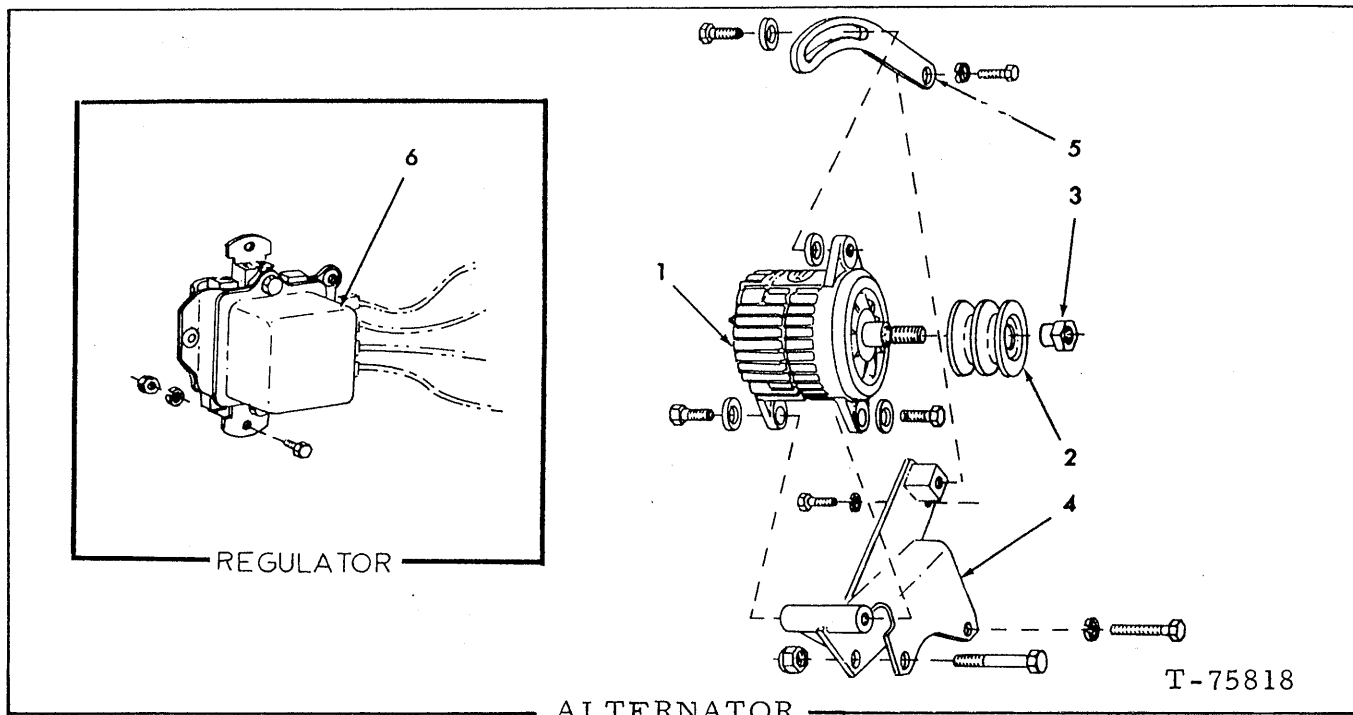
BATTERY AND TOOL BOXES

T-75145

# BATTERY AND TOOL BOXES

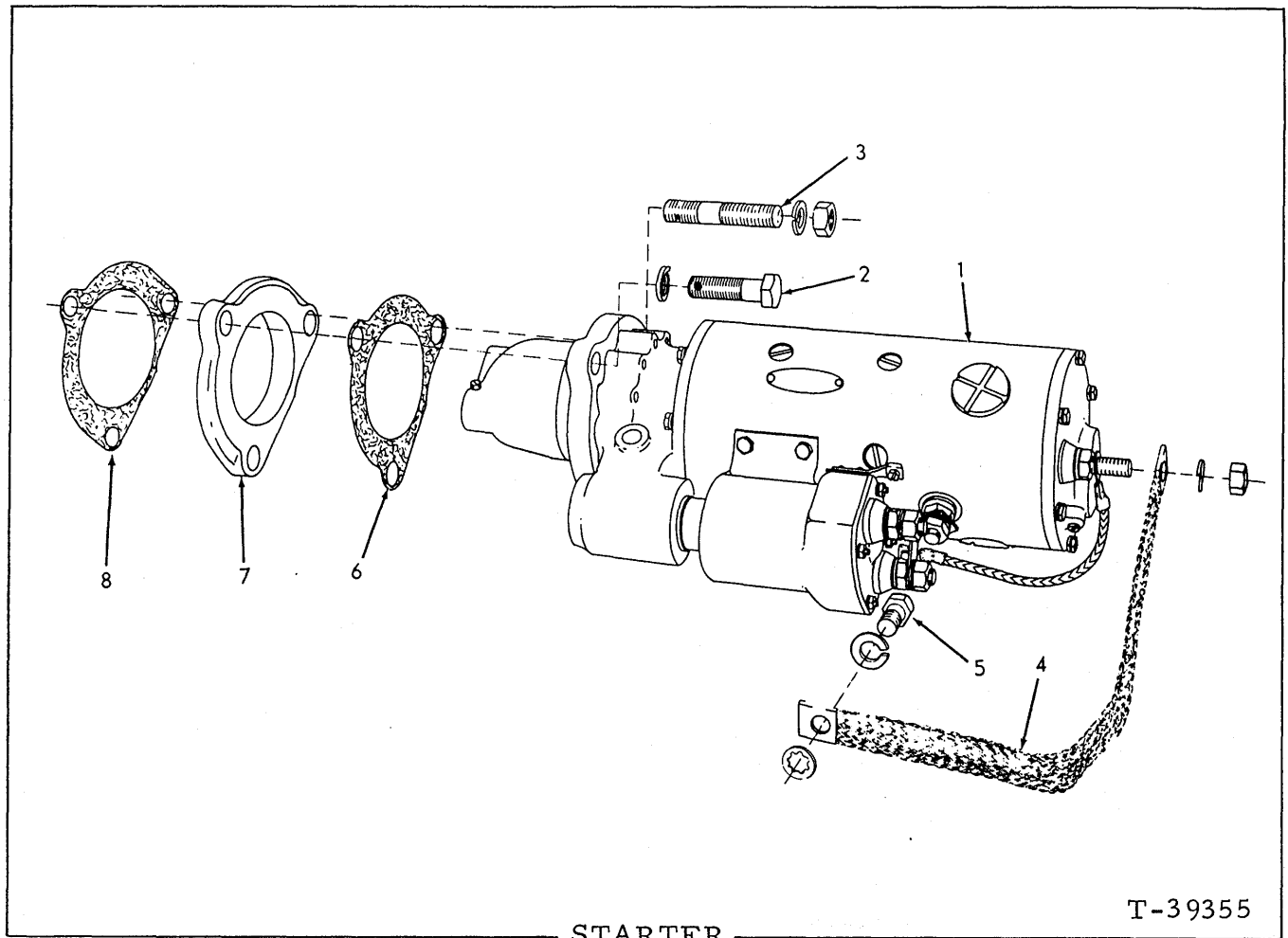
| ITEM                                                                                                                                                                                                   | PART NO. | QTY. | DESCRIPTION                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|------------------------------------------------------------------------------|
| NOTE: Tool Box, items 11 thru 15, is not used on units equipped with independent hydraulic system for dozer operation.<br>See item 16 for tool box applicable to units equipped with dozer hydraulics. |          |      |                                                                              |
| 1                                                                                                                                                                                                      | 70658134 | 1    | BOX, battery (Tractors prior to unit #15471)                                 |
|                                                                                                                                                                                                        | 73130793 | 1    | BOX, battery (Tractor unit #15471 and up)                                    |
| 2                                                                                                                                                                                                      | 70925889 | 3    | CAPSCREW, 1/2"NC x 4-1/2"                                                    |
|                                                                                                                                                                                                        | 70677008 | 3    | WASHER, plain                                                                |
| 4                                                                                                                                                                                                      | 70666379 | 1    | COVER, battery box (Tractors prior to unit #12856)                           |
|                                                                                                                                                                                                        | 70685919 | 1    | COVER, battery box (Tractors unit #12856 and up)                             |
|                                                                                                                                                                                                        | 70922763 | 5    | CAPSCREW, 3/8"NC x 1"                                                        |
|                                                                                                                                                                                                        | 70677006 | 5    | WASHER, plain                                                                |
| 5                                                                                                                                                                                                      | 70650901 | 1    | LOCK ASSY., battery box cover (Serviced only as a unit)                      |
| 6                                                                                                                                                                                                      | 70911115 | 2    | WASHER, plain, SAE std., 3/8"                                                |
| 7                                                                                                                                                                                                      | 70658536 | 1    | COVER, speed control linkage                                                 |
|                                                                                                                                                                                                        | 70922763 | 6    | CAPSCREW, 3/8"NC x 1"                                                        |
|                                                                                                                                                                                                        | 70677006 | 6    | WASHER, plain                                                                |
| 8                                                                                                                                                                                                      | 70656926 | 1    | GUARD, speed shift lever (Tractors prior to unit #12849)                     |
|                                                                                                                                                                                                        | 70671922 | 1    | GUARD, speed shift lever (Tractor unit #12849 and up)                        |
| 9                                                                                                                                                                                                      | 70921076 | 2    | CAPSCREW, 3/8"NC x 1"                                                        |
| 10                                                                                                                                                                                                     | 70922763 | 2    | CAPSCREW, 3/8"NC x 1-1/2"                                                    |
|                                                                                                                                                                                                        | 70677006 | 4    | WASHER, plain                                                                |
|                                                                                                                                                                                                        | 70911026 | 2    | NUT, 3/8"NC                                                                  |
| 11                                                                                                                                                                                                     | 70660670 | 1    | BOX, tool                                                                    |
| 12                                                                                                                                                                                                     | 70921172 | 3    | CAPSCREW, 5/8"NC x 2-1/4"                                                    |
| 13                                                                                                                                                                                                     | 70921266 | 3    | CAPSCREW, 5/8"NC x 3-1/4"                                                    |
|                                                                                                                                                                                                        | 70677010 | 6    | WASHER, plain                                                                |
| 14                                                                                                                                                                                                     | 70643369 | 1    | COVER ASSY., tool box (Includes item 15)                                     |
|                                                                                                                                                                                                        | 70922300 | 4    | CAPSCREW, 3/8"NC x 3/4"                                                      |
|                                                                                                                                                                                                        | 70911026 | 4    | NUT, 3/8"NC                                                                  |
| 15                                                                                                                                                                                                     | 70639480 | 2    | CLAMP, cover latching                                                        |
|                                                                                                                                                                                                        | 70911608 | 8    | RIVET, button-head, 1/8" x 3/8"                                              |
| 16                                                                                                                                                                                                     | 70604943 | 1    | BOX, tool (Mounts on right track fender)                                     |
|                                                                                                                                                                                                        | 70921076 | 4    | CAPSCREW, 3/8"NC x 1-1/4"                                                    |
|                                                                                                                                                                                                        | 70929156 | 12   | WASHER                                                                       |
|                                                                                                                                                                                                        | 70911026 | 4    | NUT, 3/8" NC                                                                 |
| 17                                                                                                                                                                                                     | 70630753 | 4    | WASHER, tool box spacing (Early units)                                       |
| 18                                                                                                                                                                                                     | 70662188 | 1    | SUPPORT                                                                      |
| 19                                                                                                                                                                                                     | 70920574 | 3    | CAPSCREW, 1/2"NC x 1-3/8"                                                    |
|                                                                                                                                                                                                        | 70682358 | 3    | WASHER, plain                                                                |
| 20                                                                                                                                                                                                     | 70921403 | 2    | CAPSCREW, 5/8"NC x 2"                                                        |
|                                                                                                                                                                                                        | 70677010 | 4    | WASHER, plain                                                                |
|                                                                                                                                                                                                        | 70911029 | 2    | NUT, 5/8"NC                                                                  |
| 21                                                                                                                                                                                                     | 70665853 | 1    | COVER, filter compartment (Not used on units equipped with dozer hydraulics) |
|                                                                                                                                                                                                        | 70648238 | 5    | CAPSCREW, 1/2"NC x 3/4"                                                      |
| 22                                                                                                                                                                                                     | 70928052 | 1    | PADLOCK (Includes keys)                                                      |
| 23                                                                                                                                                                                                     | 73127579 | 1    | STEP TREAD (4" x 16")                                                        |

(Revised March 1982)



|      |          |      |    | ALTERNATOR                                      |                                 |  |  |
|------|----------|------|----|-------------------------------------------------|---------------------------------|--|--|
|      |          |      |    | *Standard (20 amp capacity)                     |                                 |  |  |
|      |          |      |    | **Optional (50 amp capacity)                    |                                 |  |  |
| ITEM | PART NO. | QTY. |    | DESCRIPTION                                     |                                 |  |  |
|      |          | *    | ** |                                                 |                                 |  |  |
| 1    | 70660144 | 1    | -  | ALTERNATOR ("Delco-Remy" #1100062)              | } Order parts from local agency |  |  |
|      | 70662020 | -    | 1  | ALTERNATOR ("Delco-Remy" #1117236)              |                                 |  |  |
|      |          |      |    | (Order Alternator 70699268)                     |                                 |  |  |
|      | 70699268 | -    | 1  | ALTERNATOR ("Delco-Remy #1117248)(See           |                                 |  |  |
|      |          |      |    | Electrical Components Parts Catalog for service |                                 |  |  |
|      |          |      |    | breakdown)                                      |                                 |  |  |
|      | 73119995 | -    | 1  | ALTERNATOR ("Delco-Remy #1117254)(See           |                                 |  |  |
|      |          |      |    | Electrical Components Parts Catalog for service |                                 |  |  |
|      |          |      |    | breakdown)                                      |                                 |  |  |
|      | 70927491 | 1    | 1  | CAPSCREW, Nylok, 1/2"NC x 1-1/4"                |                                 |  |  |
|      | 70922508 | 1    | 1  | CAPSCREW, Nylok, 1/2"NC x 1-1/2"                |                                 |  |  |
|      | 70910244 | 2    | 2  | WASHER, plain, SAE std., 1/2"                   |                                 |  |  |
| 2    | 70667234 | 1    | 1  | PULLEY                                          |                                 |  |  |
| 3    | 70667188 | 1    | 1  | NUT, pulley retaining                           |                                 |  |  |
| 4    | 70667216 | 1    | 1  | BRACKET, alternator mounting                    |                                 |  |  |
|      | 70921569 | 1    | 1  | CAPSCREW, 7/16"NC x 1-1/4"                      |                                 |  |  |
|      | 70914678 | 1    | 1  | LOCKWASHER, 7/16"                               |                                 |  |  |
|      | 70922673 | 1    | 1  | CAPSCREW, 3/4"NC x 4-1/2"                       |                                 |  |  |
|      | 70916170 | 1    | 1  | NUT, elastic stop, 3/4"NC                       |                                 |  |  |
|      | 70921539 | 1    | 1  | CAPSCREW, 1/2"NC x 3-1/2"                       | } Also attach fan bracket       |  |  |
|      | 70912441 | 1    | 1  | LOCKWASHER, 1/2"                                |                                 |  |  |
| 5    | 70667224 | 1    | 1  | STRAP, belt adjustment                          |                                 |  |  |
|      | 70920582 | 1    | 1  | CAPSCREW, 1/2"NC x 1-1/4"                       |                                 |  |  |
|      | 70920574 | 1    | 1  | CAPSCREW, 1/2"NC x 1-3/8"                       |                                 |  |  |
|      | 70677008 | 2    | 2  | WASHER                                          |                                 |  |  |
| 6    | 70650944 | 1    | -  | REGULATOR, voltage and current("Delco-Remy      |                                 |  |  |
|      |          |      |    | #1119518 order parts from local "United Motors  |                                 |  |  |
|      |          |      |    | Service agency)                                 |                                 |  |  |
|      | 70928138 | 2    | -  | CAPSCREW, 1/4"NC x 5/8"                         |                                 |  |  |
|      | 70910285 | 2    | -  | LOCKWASHER, 1/4"                                |                                 |  |  |
|      | 70911024 | 2    | -  | NUT, 1/4"NC                                     |                                 |  |  |

NOTE: See FAN for driving belts

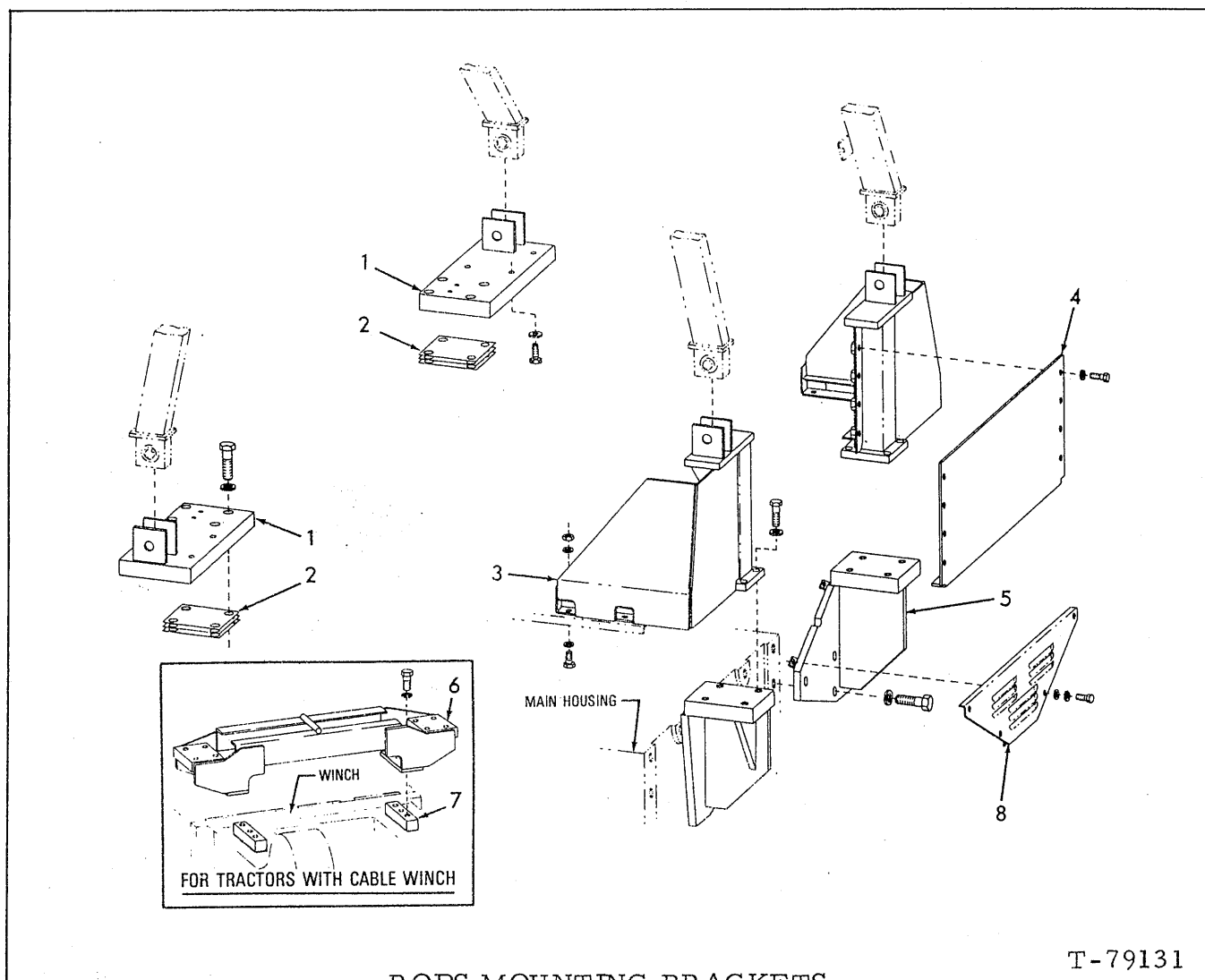


T-39355

STARTER

| ITEM                                               | PART NO. | QTY. | DESCRIPTION                                         |
|----------------------------------------------------|----------|------|-----------------------------------------------------|
| 1                                                  | 73117237 | 1    | MOTOR, starting ("Delco-Remy" #1113898)(Standard)   |
|                                                    | 70620350 | 1    | MOTOR, starting ("Delco-Remy" #1109986)(Heavy-duty) |
| 2                                                  | 70928839 | 2    | CAPSCREW, Nylok, 5/8"NC x 2-1/4"                    |
| 3                                                  | 70648262 | 1    | STUD, Nylok, 5/8"NC x 5/8"NF x 3-1/8"               |
|                                                    | 70912942 | 3    | LOCKWASHER, 5/8"                                    |
|                                                    | 70911044 | 1    | NUT, 5/8"NF                                         |
| <b>NOTE:</b> Order starter parts from local Agency |          |      |                                                     |
| 4                                                  | 70630199 | 1    | STRAP, starter to ground                            |
| 5                                                  | 70927158 | 1    | CAPSCREW, 1/2"NF x 1"                               |
|                                                    | 70906961 | 1    | LOCKWASHER, int-tooth, 1/2"                         |
|                                                    | 70928460 | 1    | WASHER                                              |
| 6                                                  | 70631573 | 1    | GASKET, starting motor                              |
| 7                                                  | 70631574 | 1    | ADAPTER, starting motor                             |
| 8                                                  | 70631572 | 1    | GASKET, starting motor adapter                      |





T-79131

# ROPS MOUNTING BRACKETS

USAGE: Special equipment on tractors prior to January, 1977; standard equipment thereafter. For units equipped with Safety Cab or Canopy

| ITEM | PART NO. | QTY. | DESCRIPTION                        |
|------|----------|------|------------------------------------|
| 1    | 70686241 | 1    | BRACKET, frame mounting, left      |
|      | 70686242 | 1    | BRACKET, frame mounting, right     |
|      | 70922859 | 8    | CAPSCREW, 1"NC x 4"                |
|      | 70083318 | 8    | WASHER                             |
|      | 70926785 | 6    | CAPSCREW, 1"NC x 2-3/4"            |
|      | 70678072 | 6    | WASHER                             |
| 2    | 70687956 | 6    | SHIM (Use as required)             |
| 3    | 70686257 | 1    | GUARD ASSY., frame mounting, left  |
|      | 70686258 | 1    | GUARD ASSY., frame mounting, right |
|      | 70921172 | 4    | CAPSCREW, 5/8"NC x 2-1/4"          |
|      | 70677010 | 8    | WASHER                             |
|      | 70911029 | 4    | NUT, 5/8"NC                        |
|      | 70927015 | 8    | CAPSCREW, 1"NC x 3"                |
|      | 70083318 | 8    | WASHER                             |

(Continued)

(Revised May 1977)

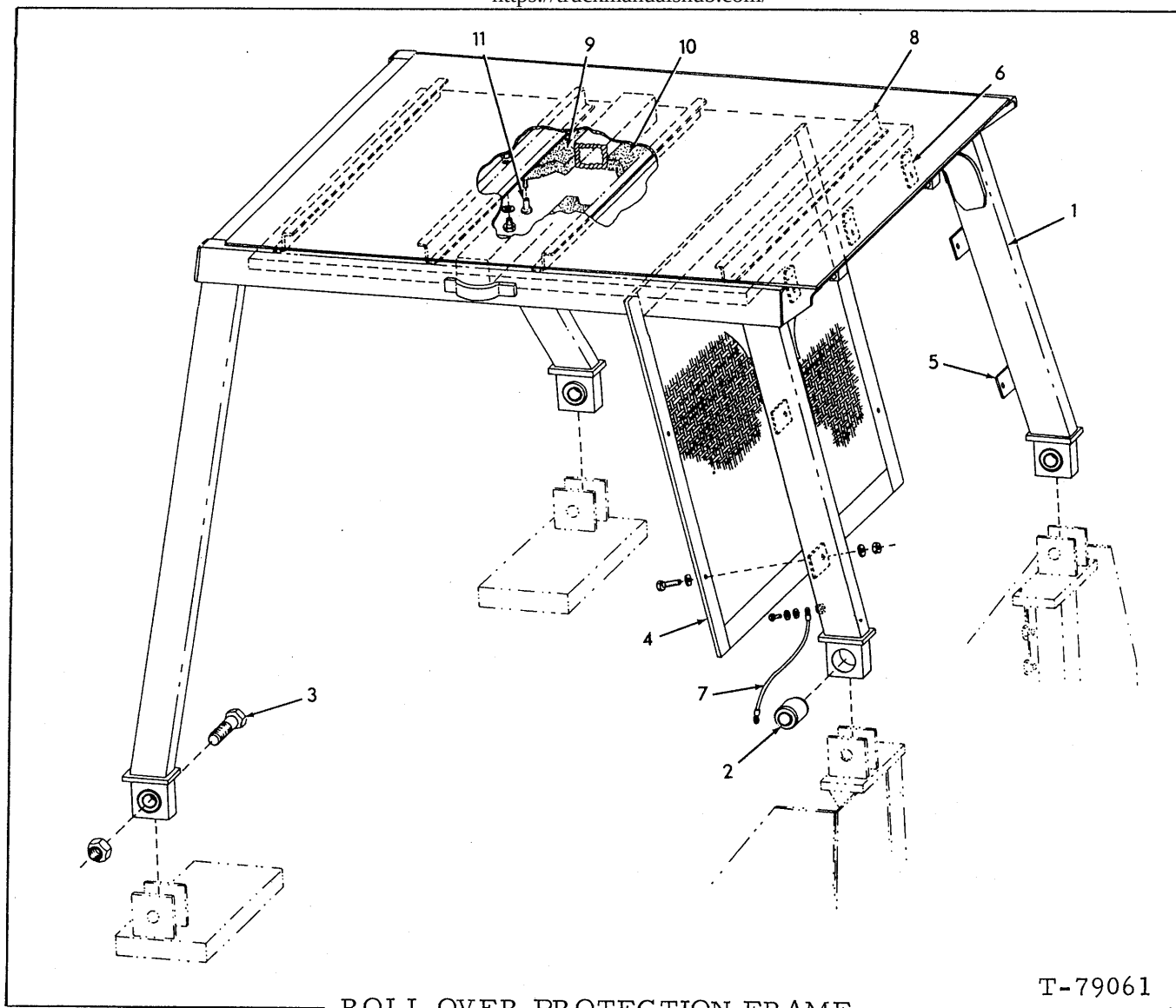
ROPS MOUNTING BRACKETS (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                            |                                                                                                                              |
|------|----------|------|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| 4    | 70686248 | 1    | GUARD, rear plate (Special Equipment)  |                                                                                                                              |
|      | 70920585 | 8    | CAPSCREW, 1/2" NC x 1-3/4"             |                                                                                                                              |
|      | 70677008 | 8    | WASHER                                 |                                                                                                                              |
| 5    | 70683213 | 1    | BRACKET, cab or canopy mounting, left  | For tractors equipped with Drawbar or Rear Mounted Cable Control Unit. Not used on tractors equipped with RIPPER. (See NOTE) |
|      | 70683214 | 1    | BRACKET, cab or canopy mounting, right |                                                                                                                              |
|      | 70925880 | 6    | CAPSCREW, 1-1/4" NF x 3-1/2"           |                                                                                                                              |
|      | 70914730 | 6    | LOCKWASHER, 1-1/4"                     |                                                                                                                              |

NOTE: Item 5 requires reworking per print S-5354 if for tractors equipped with Rear Mounted Cable Control Unit.

|   |          |   |                                                       |                                        |
|---|----------|---|-------------------------------------------------------|----------------------------------------|
| 6 | 70687722 | 1 | BRACKET, cab or canopy mounting                       | For tractors equipped with cable winch |
|   | 70923201 | 6 | CAPSCREW, 1-1/4" NF x 3"                              |                                        |
|   | 70914730 | 6 | LOCKWASHER, 1-1/4"                                    |                                        |
| 7 | 70687715 | 2 | BLOCK, bracket mounting (Requires welding to install) |                                        |
| 8 | 70679537 | 1 | PLATE (Not used on units equipped with RIPPER)        |                                        |
|   | 70922763 | 4 | CAPSCREW, 3/8" NC x 1"                                |                                        |
|   | 70677006 | 4 | WASHER                                                |                                        |

(Revised May 1977)



ROLL OVER PROTECTION FRAME

T-79061

USAGE: Special equipment on tractors prior to January 1977; standard equipment thereafter.

ITEM PART NO. QTY. DESCRIPTION

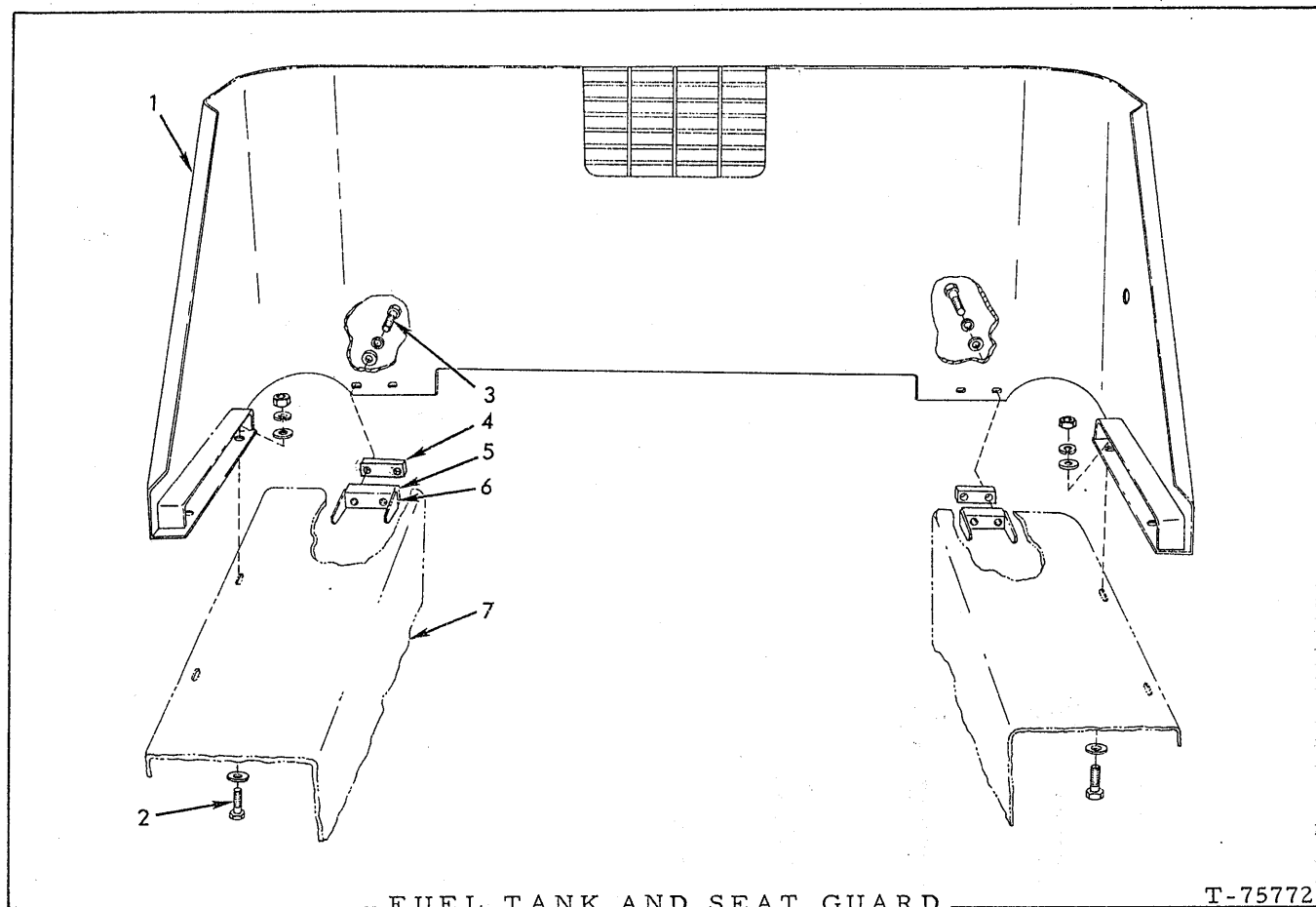
|   |          |    |                                  |
|---|----------|----|----------------------------------|
| 1 | 70684891 | 1  | FRAME ASSY. (Includes item 2)    |
| 2 | 70684837 | 4  | BUSHING                          |
| 3 | 70929311 | 4  | CAPSCREW, 1-1/4"NC x 6-1/2"      |
|   | 70917792 | 4  | NUT, elastic stop, 1-1/4"NC      |
| 4 | 70685785 | 1  | SCREEN                           |
|   | 70921556 | 7  | CAPSCREW, 1/2"NC x 2"            |
|   | 70677008 | 14 | WASHER                           |
|   | 70911028 | 7  | NUT, 1/2"NC                      |
| 5 | 70686446 | 4  | BAR, screen-mounting             |
| 6 | 70685768 | 3  | BAR, screen-mounting             |
| 7 | 70093176 | 1  | CABLE, ground                    |
|   | 70922300 | 2  | CAPSCREW, 3/8"NC x 3/4"          |
|   | 70906960 | 2  | LOCKWASHER, internal tooth, 3/8" |
|   | 70677006 | 2  | WASHER                           |

Special  
equipment

(Continued)

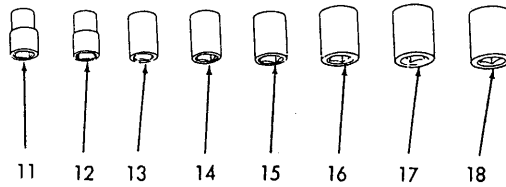
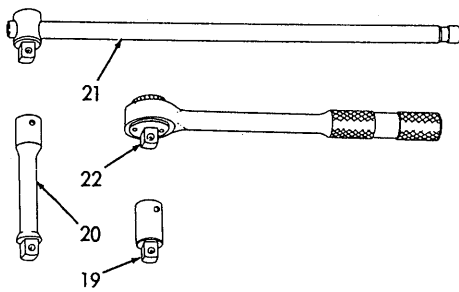
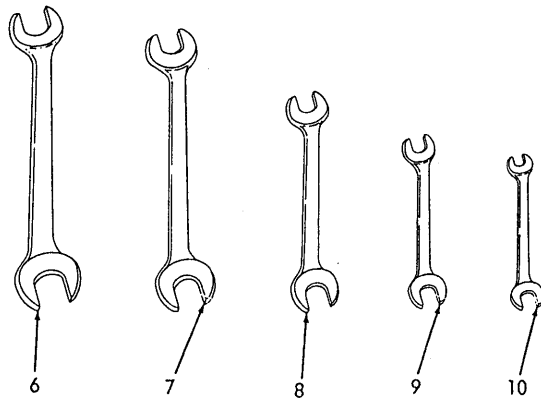
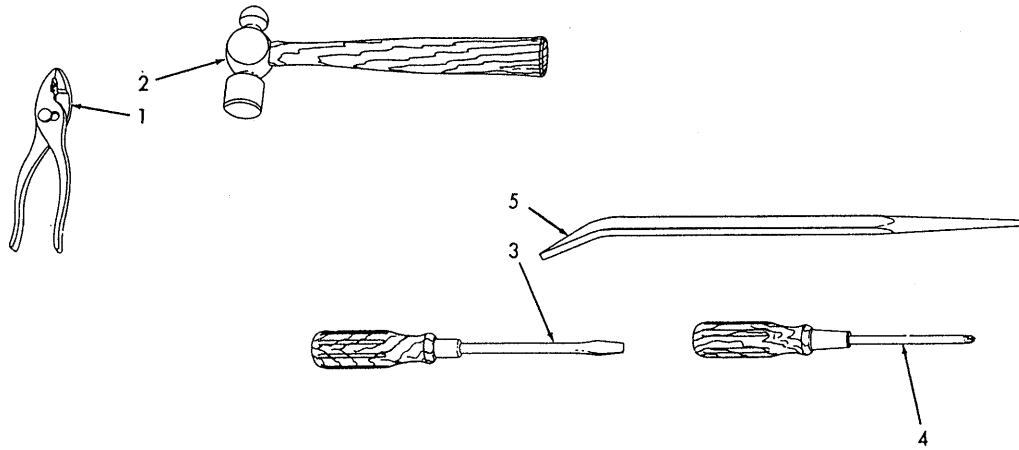
ROLL OVER PROTECTION FRAME (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                    |
|------|----------|------|------------------------------------------------|
| 8    | 70698436 | 4    | CHANNEL                                        |
|      | 70928532 | 8    | CAPSCREW, drilled-hd., 3/8"NC x 3/4"           |
|      | 70677006 | 8    | WASHER                                         |
|      | 70023633 | 8    | WIRE, locking, 1/16" x 12"                     |
| 9    | 70698404 | 1    | INSULATION, front                              |
| 10   | 70698403 | 1    | INSULATION, rear                               |
| 11   | 73064776 | 16   | FASTENER                                       |
| 12   | 70696842 | 1    | HEADLINER KIT (Includes items 8, 9, 10 and 11) |



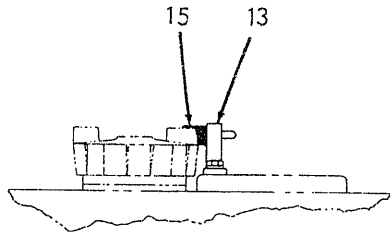
USAGE: Special equipment.

| ITEM | PART NO. | QTY. | DESCRIPTION                                                      |
|------|----------|------|------------------------------------------------------------------|
| 1    | 70665199 | 1    | GUARD                                                            |
| 2    | 70914876 | 4    | CAPSCREW, 5/8"NC x 2-1/2"                                        |
| 3    | 70916406 | 4    | CAPSCREW, 5/8"NF x 1-3/4"                                        |
|      | 70064810 | 12   | WASHER, plain                                                    |
|      | 70904209 | 8    | LOCKWASHER, 5/8"                                                 |
|      | 70911029 | 4    | NUT, 5/8"NC                                                      |
| 4    | 70651185 | 2    | SPACER                                                           |
| 5    | 70651184 | 2    | BLOCK, tapped (Requires welding to fender)                       |
| 6    | 70670398 | 4    | GUSSET, bracing, tapped block (Requires welding to tapped block) |
| 7    | -----    | -    | FENDER (See REAR FENDERS)                                        |

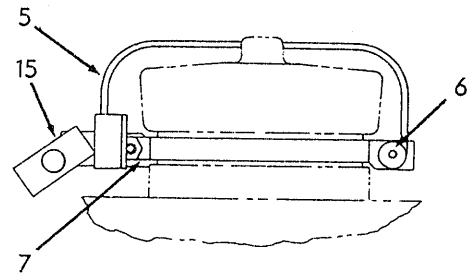


## TOOLS

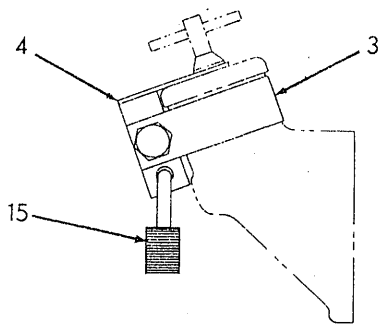
| ITEM | PART NO. | QTY. | DESCRIPTION                                                         |
|------|----------|------|---------------------------------------------------------------------|
| 1    | 70012389 | 1    | PLIERS, slip joint, 6"                                              |
| 2    | 70012387 | 1    | HAMMER, ball peen, 1 lb.                                            |
| 3    | 70036268 | 1    | SCREWDRIVER, 9-3/4" long                                            |
| 4    | 70914732 | 1    | SCREWDRIVER, Phillips #2                                            |
| 5    | 70052371 | 1    | BAR, pinch, 16" long                                                |
| 6    | 70050611 | 1    | WRENCH, open end, double head, 15 <sup>0</sup> , 15/16" and 1-1/16" |
| 7    | 70050610 | 1    | WRENCH, open end, double head, 15 <sup>0</sup> , 3/4" and 7/8"      |
| 8    | 70050609 | 1    | WRENCH, open end, double head, 15 <sup>0</sup> , 5/8" and 3/4"      |
| 9    | 70050608 | 1    | WRENCH, open end, double head, 15 <sup>0</sup> , 1/2" and 9/16"     |
| 10   | 70050607 | 1    | WRENCH, open end, double head, 15 <sup>0</sup> , 5/16" and 3/8"     |
| 11   | 70914709 | 1    | SOCKET, 1/2" square drive, 1/2" hex                                 |
| 12   | 70914710 | 1    | SOCKET, 1/2" square drive, 9/16" hex                                |
| 13   | 70914711 | 1    | SOCKET, 1/2" square drive, 5/8" hex                                 |
| 14   | 70914712 | 1    | SOCKET, 1/2" square drive, 11/16" hex                               |
| 15   | 70914713 | 1    | SOCKET, 1/2" square drive, 3/4" hex                                 |
| 16   | 70914714 | 1    | SOCKET, 1/2" square drive, 7/8" hex                                 |
| 17   | 70914715 | 1    | SOCKET, 1/2" square square drive , 15/16" hex                       |
| 18   | 70914716 | 1    | SOCKET, 1/2" square drive, 1" hex                                   |
| 19   | 70914717 | 1    | BAR, extension, socket, 1/2" drive, 2" long                         |
| 20   | 70914718 | 1    | BAR, extension, socket, 1/2" drive, 5" long                         |
| 21   | 70050612 | 1    | HANDLE, socket, sliding T, 1/2" square drive, 15" long              |
| 22   | 70914719 | 1    | HANDLE, socket, ratchet, 1/2" square drive                          |



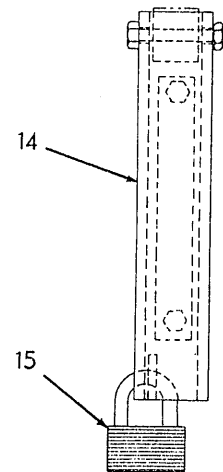
HYDRAULIC TANK



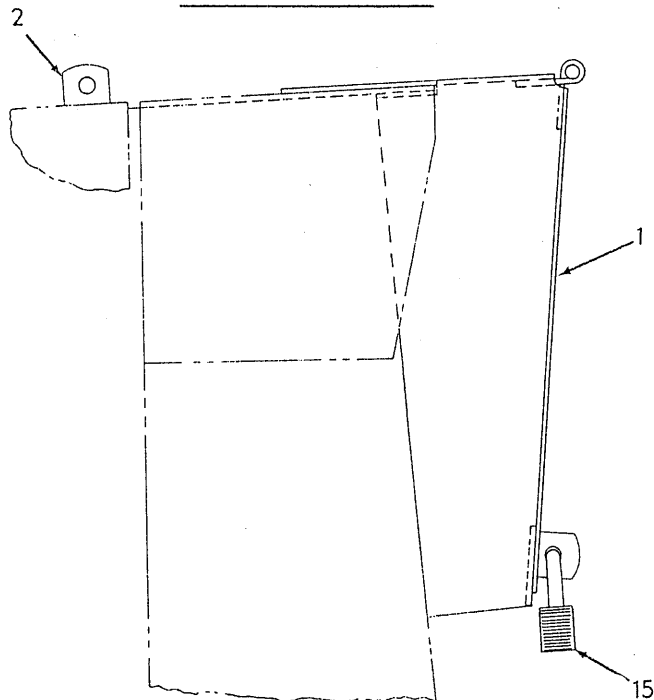
FUEL TANK



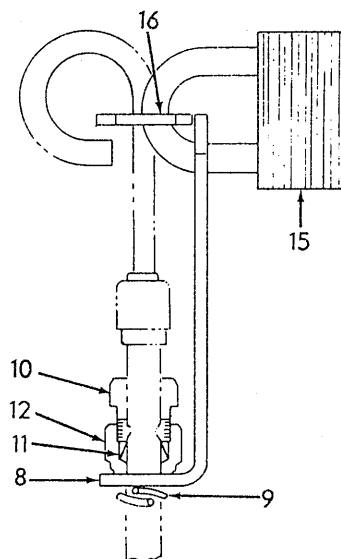
ENGINE OIL FILLER TUBE



HYDRAULIC TANK SIGHT GAUGE



INSTRUMENT PANEL



ENGINE OIL DIPSTICK



| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|-------------|
| 1    | 1000     | 1    | 1000        |
| 2    | 2000     | 2    | 2000        |
| 3    | 3000     | 3    | 3000        |
| 4    | 4000     | 4    | 4000        |
| 5    | 5000     | 5    | 5000        |
| 6    | 6000     | 6    | 6000        |
| 7    | 7000     | 7    | 7000        |
| 8    | 8000     | 8    | 8000        |
| 9    | 9000     | 9    | 9000        |
| 10   | 10000    | 10   | 10000       |

259

CAB  
(Not Illustrated)

USAGE: Special equipment

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|-------------|
|------|----------|------|-------------|

|   |       |   |                                                                                                                                    |
|---|-------|---|------------------------------------------------------------------------------------------------------------------------------------|
| 1 | ----- | 1 | CAB ASSY. (Vendor Part No. 10019C. Service must be obtained from Industrial Cab Company, Route 22 Western Ave. Essex, Mass. 01929) |
|---|-------|---|------------------------------------------------------------------------------------------------------------------------------------|

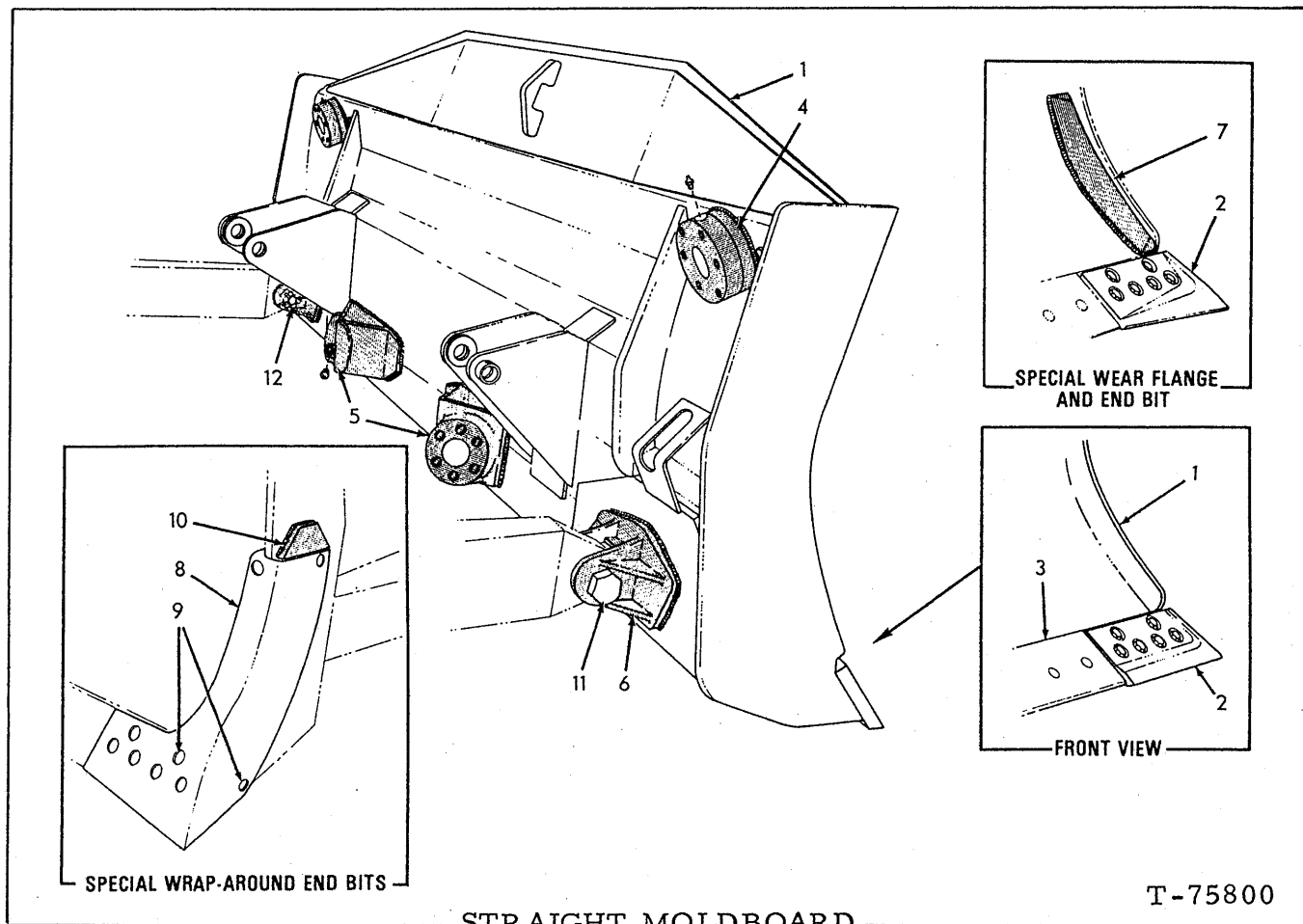
CAB GLASS  
(Not Illustrated)

USAGE: Not applicable to Air Conditioned Cabs.

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|-------------|
|------|----------|------|-------------|

|   |       |   |                                              |
|---|-------|---|----------------------------------------------|
| 1 | ----- | 2 | GLASS, door upper (Vendor No. A1696)         |
| 2 | ----- | 2 | GLASS, side panel (Vendor No. A1694)         |
| 3 | ----- | 1 | GLASS, left windshield (Vendor No. A1691)    |
| 4 | ----- | 2 | GLASS, rear (Vendor No. A1693)               |
| 5 | ----- | 1 | GLASS, right windshield (Vendor No. A1692)   |
| 6 | ----- | 2 | GLASS, door lower (Vendor No. A1695)         |
| 7 | ----- | 1 | GLASS, windshield, center (Vendor No. A1690) |

NOTE: Glass must be procured locally. Refer to Cab Glass Catalog for pattern.



T-75800

### STRAIGHT MOLDBOARD

USAGE: Model 16HS. See following pages for optional types

| ITEM | PART NO. | QTY. | DESCRIPTION                                        |                           |
|------|----------|------|----------------------------------------------------|---------------------------|
| 1    | 70670090 | 1    | MOLDBOARD ASSY. (Includes items 2 thru 6)          |                           |
| 2    | 70606742 | 2    | BIT (Standard, 18" long)                           | } Used prior to July 1974 |
|      | 70923455 | 12   | CAPSCREW, 7/8"NC x 2-1/4"                          |                           |
|      | 70911031 | 12   | NUT, 7/8"NC                                        |                           |
|      | 70691674 | 2    | BIT (Standard, 18" long)                           | } Effective July 1974     |
|      | 70660335 | 12   | BOLT, plow, 7/8"NC x 2-3/4"                        |                           |
|      | 70911031 | 12   | NUT, 7/8"NC                                        |                           |
|      | 70615219 | 1    | BIT, left (19-1/4" long)(Used prior to June 1974)  | } Special Heavy-duty Type |
|      | 70927359 | 6    | CAPSCREW, 7/8"NF x 2-3/4"                          |                           |
|      | 70070400 | 6    | NUT, high, 7/8"NF                                  |                           |
|      | 70691685 | 1    | BIT, left (20-1/2" long)(Effective June 1974)      |                           |
|      | 70660335 | 6    | BOLT, plow, 7/8"NC x 2-3/4"                        |                           |
|      | 70911031 | 6    | NUT, 7/8"NC                                        |                           |
|      | 70615220 | 1    | BIT, right (19-1/4" long)(Used prior to June 1974) |                           |
|      | 70927359 | 6    | CAPSCREW, 7/8"NF x 2-3/4"                          |                           |
|      | 70070400 | 6    | NUT, high, 7/8"NF                                  |                           |
|      | 70691686 | 1    | BIT, right (20-1/2" long)(Effective June 1974)     |                           |
|      | 70660335 | 6    | BOLT, plow, 7/8"NC x 2-3/4"                        |                           |
|      | 70911031 | 6    | NUT, 7/8"NC                                        |                           |

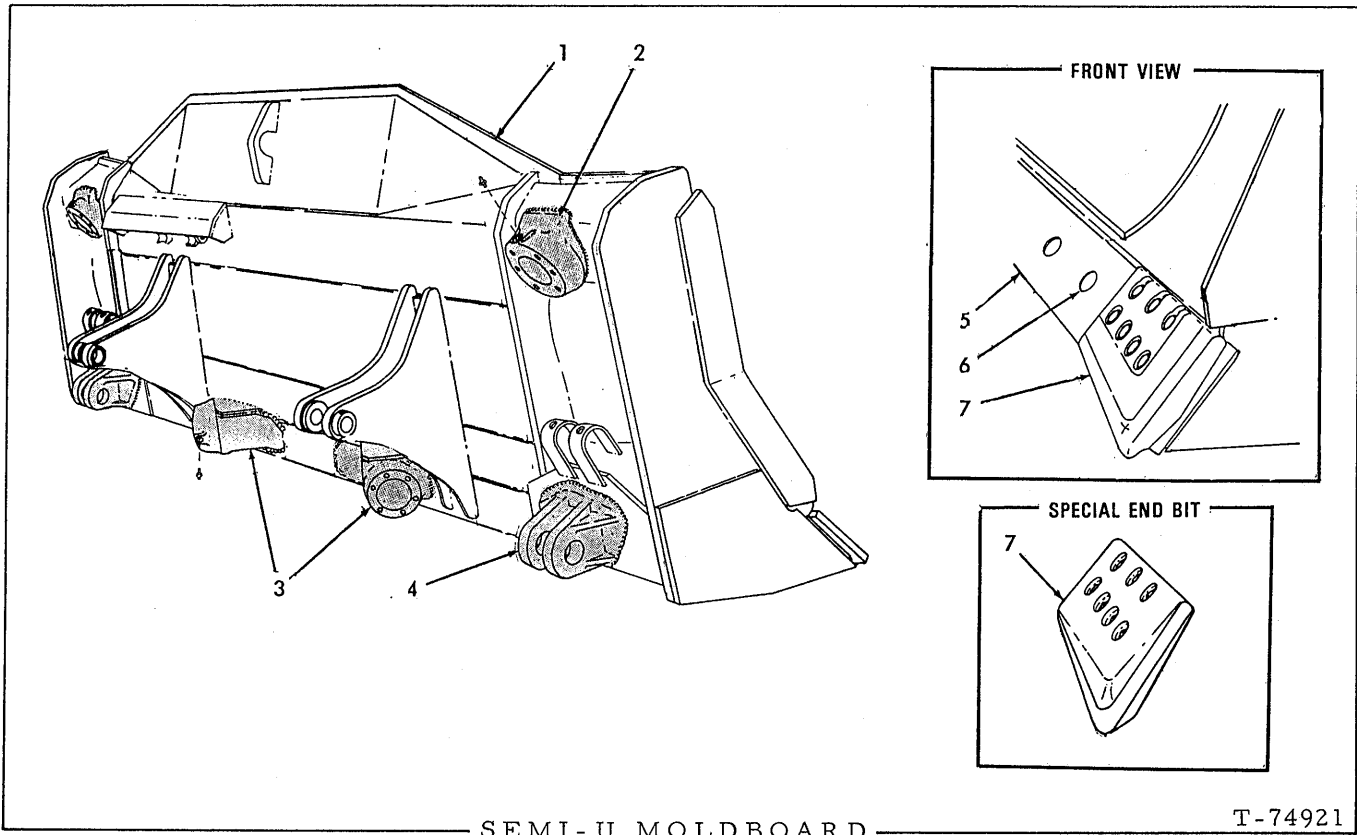
(Continued)

(Revised May 1977)

STRAIGHT MOLDBOARD (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                               |
|------|----------|------|-------------------------------------------|
| 3    | 70673000 | 2    | EDGE (Standard, 7/8" thick, 51-1/4" long) |
|      | 70660335 | 18   | BOLT, plow, 7/8"NC x 2-3/4"               |
|      | 70911031 | 18   | NUT, 7/8"NC                               |
| 4    | 70651733 | 2    | △ SOCKET                                  |
|      | 70914465 | 2    | FITTING, lubricating, straight, 1/8"NPT   |
| 5    | 70667496 | 2    | △ SOCKET WELDMENT                         |
|      | 70914465 | 2    | FITTING, lubricating, straight, 1/8"NPT   |
| 6    | 70669266 | 2    | △ LUG                                     |
| 7    | 70609447 | 1    | △ FLANGE, left side                       |
|      | 70609448 | 1    | △ FLANGE, right side                      |
| 8    | 70617395 | 1    | BIT, left end                             |
|      | 70617396 | 1    | BIT, right end                            |
| 9    | 70660335 | 18   | BOLT, plow, 7/8"NC x 2-3/4"               |
|      | 70911031 | 18   | NUT, 7/8"NC                               |
| 10   | 70615210 | 2    | △ BLOCK                                   |
| 11   | 70614880 | 2    | BOLT                                      |
| 12   | 70606702 | 2    | NUT                                       |
|      | 70911069 | 2    | PIN, cotter, 5/16" x 3"                   |

△ Requires welding to install



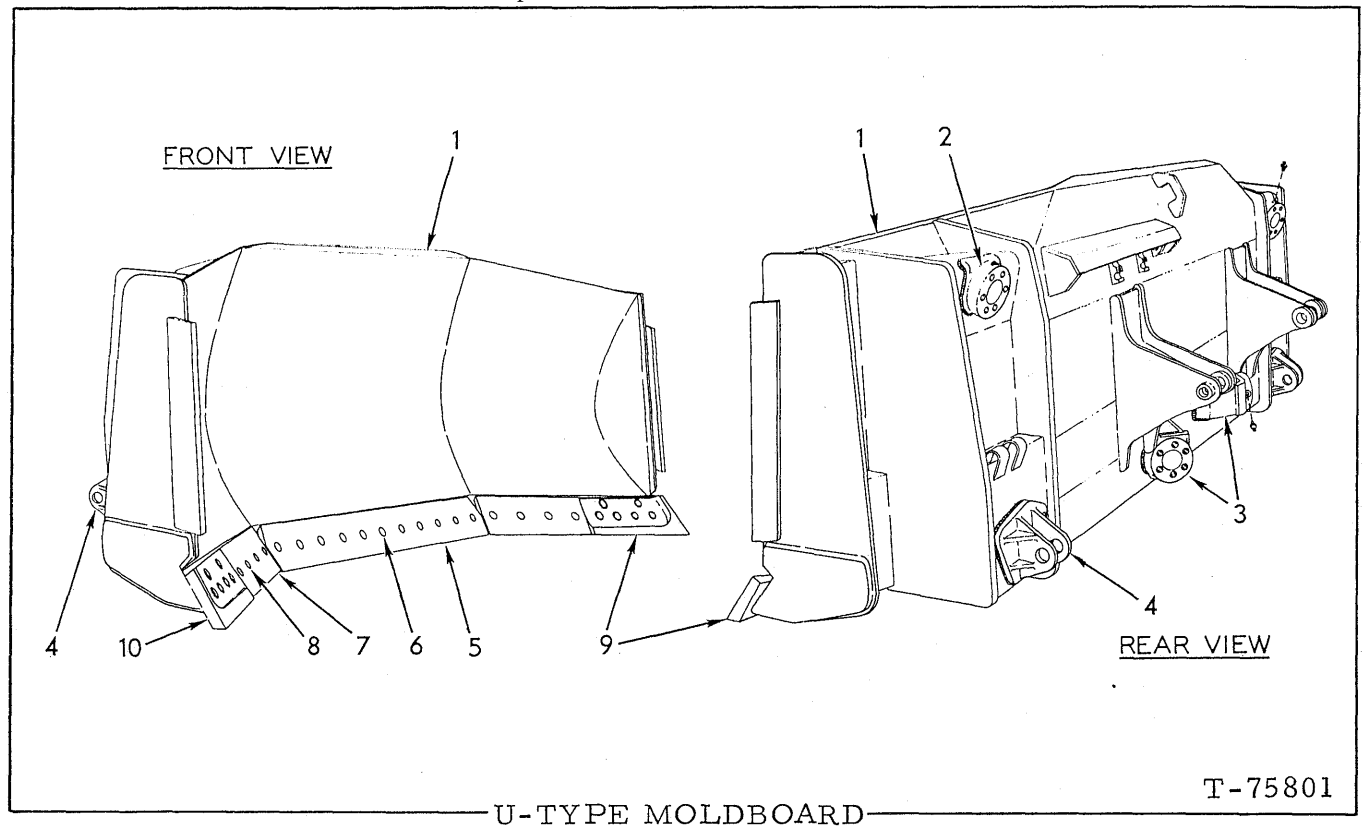
SEMI-U MOLDBOARD

T-74921

USAGE: Models 16HSU, 16CSU

| ITEM | PART NO. | QTY. | DESCRIPTION                             |                                |
|------|----------|------|-----------------------------------------|--------------------------------|
| 1    | 70669314 | 1    | MOLDBOARD ASSY. (Hydraulic units)       | } Each includes items 2 thru 7 |
|      | 70669315 | 1    | MOLDBOARD ASSY. (Cable units)           |                                |
| 2    | 70667493 | 2    | *SOCKET, tilt brace                     |                                |
|      | 70914465 | 2    | FITTING, lubricating, straight, 1/8"NPT |                                |
| 3    | 70667496 | 2    | *SOCKET WELDMENT, diagonal brace        |                                |
|      | 70914465 | 2    | FITTING, lubricating, straight, 1/8"NPT |                                |
| 4    | 70669266 | 2    | *LUG, attaching                         |                                |
| 5    | 70672194 | 2    | EDGE, cutting                           |                                |
| 6    | 70660900 | 18   | BOLT, plow, 1"NC x 2-3/4"               |                                |
|      | 70911032 | 18   | NUT, 1"NC                               |                                |
| 7    | 70661213 | 1    | BIT, left end                           | } Standard                     |
|      | 70661214 | 1    | BIT, right end                          |                                |
|      | 70926785 | 14   | CAPSCREW, 1"NC x 2-3/4"                 |                                |
|      | 70911032 | 14   | NUT, 1"NC                               |                                |
|      | 70673081 | 1    | BIT, left end                           | } Special                      |
|      | 70673082 | 1    | BIT, right end                          |                                |
|      | 70661209 | 14   | BOLT, plow, 1"NC x 3-1/4"               |                                |
|      | 70911032 | 14   | NUT, 1"NC                               |                                |

\*Requires welding to install



T-75801

USAGE: Model 16HU

| ITEM | PART NO. | QTY. | DESCRIPTION                                |                |
|------|----------|------|--------------------------------------------|----------------|
| 1    | 70673130 | 1    | MOLDBOARD ASSY. (Includes items 2 thru 10) |                |
| 2    | 70667493 | 2    | *SOCKET                                    |                |
|      | 70914465 | 2    | FITTING, lubricating, straight, 1/8"NPT    |                |
| 3    | 70667496 | 2    | *SOCKET                                    |                |
|      | 70914465 | 2    | FITTING, lubricating, straight, 1/8"NPT    |                |
| 4    | 70669266 | 2    | * LUG                                      |                |
| 5    | 70673565 | 1    | EDGE                                       |                |
| 6    | 70660335 | 11   | BOLT                                       |                |
|      | 70911031 | 11   | NUT                                        |                |
| 7    | 70673566 | 2    | EDGE                                       |                |
| 8    | 70660335 | 8    | BOLT                                       |                |
|      | 70911031 | 8    | NUT                                        |                |
| 9    | 70606763 | 1    | BIT (Recessed for capscrews)               | Standard       |
|      | 70925671 | 6    | CAPSCREW, 7/8"NC x 2-1/2"                  |                |
|      | 70911031 | 6    | NUT, 7/8"NC                                |                |
|      | 70690675 | 1    | BIT (Recessed for plow bolts)              |                |
|      | 70660335 | 6    | BOLT                                       | Severe service |
|      | 70911031 | 6    | NUT, 7/8"NC                                |                |
|      | 70617079 | 1    | BIT (Recessed for capscrews)               |                |
|      | 70927359 | 6    | CAPSCREW, 7/8"NF x 2-3/4"                  |                |
|      | 70070400 | 6    | NUT                                        |                |
|      | 70691057 | 1    | BIT (Recessed for plow bolts)              |                |
|      | 70617131 | 6    | BOLT                                       |                |
|      | 70911031 | 6    | NUT                                        |                |

\* Requires welding to install

(Continued)

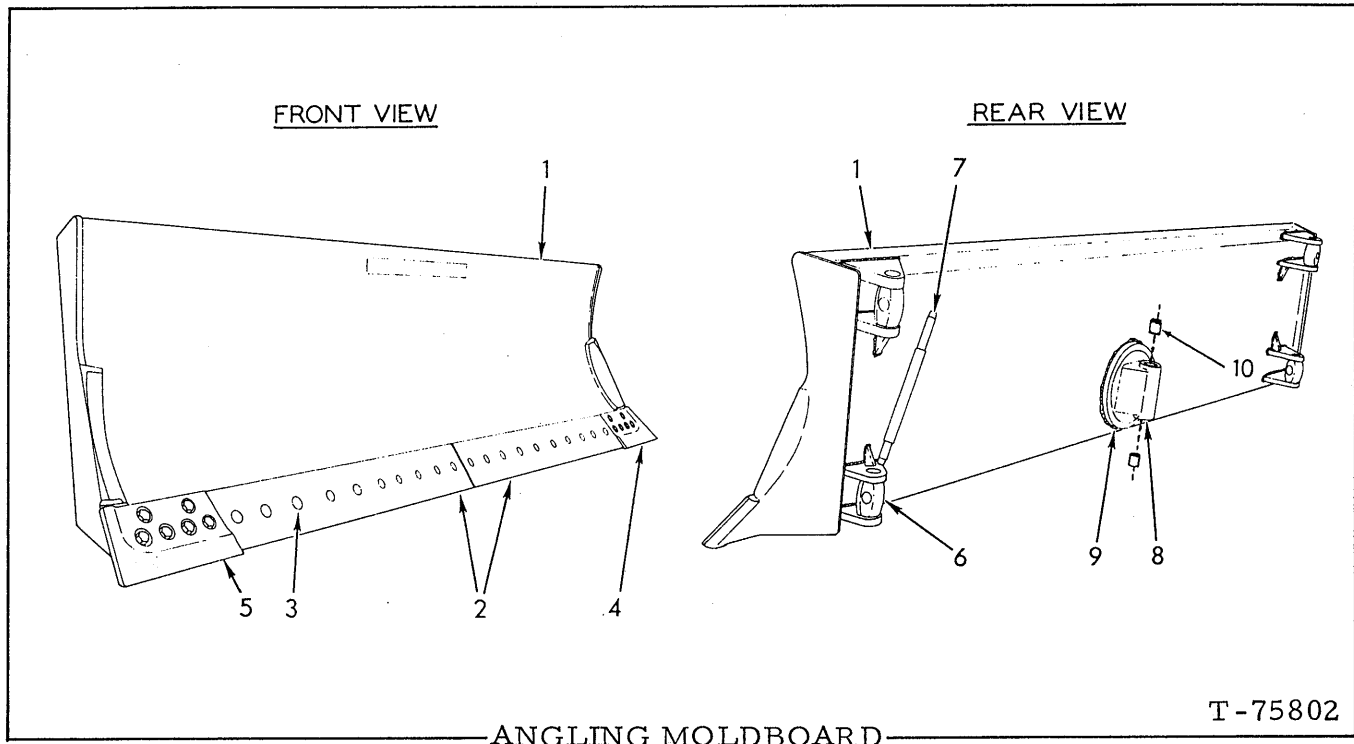
(Revised February 1976)

U-TYPE MOLDBOARD (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                   |                |
|------|----------|------|-------------------------------|----------------|
| 10   | 70606762 | 1    | BIT (Recessed for capscrews)  | Standard       |
|      | 70925671 | 6    | CAPSCREW, 7/8"NC x 2-1/2"     |                |
|      | 70911031 | 6    | NUT, 7/8"NC                   |                |
|      | 70690676 | 1    | BIT (Recessed for plow bolts) |                |
|      | 70660335 | 6    | BOLT                          | Severe service |
|      | 70911031 | 6    | NUT, 7/8"NC                   |                |
|      | 70617080 | 1    | BIT (Recessed for capscrews)  |                |
|      | 70927359 | 6    | CAPSCREW, 7/8"NF x 2-3/4"     |                |
|      | 70070400 | 6    | NUT                           |                |
|      | 70691058 | 1    | BIT (Recessed for plow bolts) |                |
|      | 70617131 | 6    | BOLT                          |                |
|      | 70911031 | 6    | NUT, 7/8"NC                   |                |

\*Requires welding to install

(Added February 1976)



USAGE: Models 16HA, 16CA. Standard equipment

\* Standard

\*\* Severe service

| ITEM | PART NO. | QTY. | DESCRIPTION |                                            |
|------|----------|------|-------------|--------------------------------------------|
|      |          | * ** |             |                                            |
| 1    | 70672644 | 1    | -           | MOLDBOARD ASSY. (Includes items 2 thru 9)  |
|      | 70693606 | -    | 1           | MOLDBOARD ASSY. (Includes items 2 thru 10) |
| 2    | 70668615 | 2    | 2           | EDGE                                       |
| 3    | 70660335 | 20   | -           | BOLT                                       |
|      | 70617131 | -    | 20          | BOLT                                       |
|      | 70911031 | 20   | 20          | NUT, 7/8"NC                                |
| 4    | 70606763 | 1    | -           | BIT (Recessed for capscrews)               |
|      | 70925671 | 6    | -           | CAPSCREW, 7/8"NC x 2-1/2"                  |
|      | 70911031 | 6    | -           | NUT, 7/8"NC                                |
|      | 70690675 | 1    | -           | BIT (Recessed for plow bolts)              |
|      | 70660335 | 6    | -           | BOLT                                       |
|      | 70911031 | 6    | -           | NUT, 7/8"NC                                |
|      | 70617079 | 1    | -           | BIT (Recessed for capscrews)               |
|      | 70927359 | 6    | -           | CAPSCREW, 7/8"NF x 2-3/4"                  |
|      | 70070400 | 6    | -           | NUT                                        |
|      | 70691057 | -    | 1           | BIT (Recessed for plow bolts)              |
|      | 70617131 | -    | 6           | BOLT                                       |
|      | 70911031 | -    | 6           | NUT, 7/8"NC                                |

Standard

Severe service

(Continued)

(Revised February 1976)

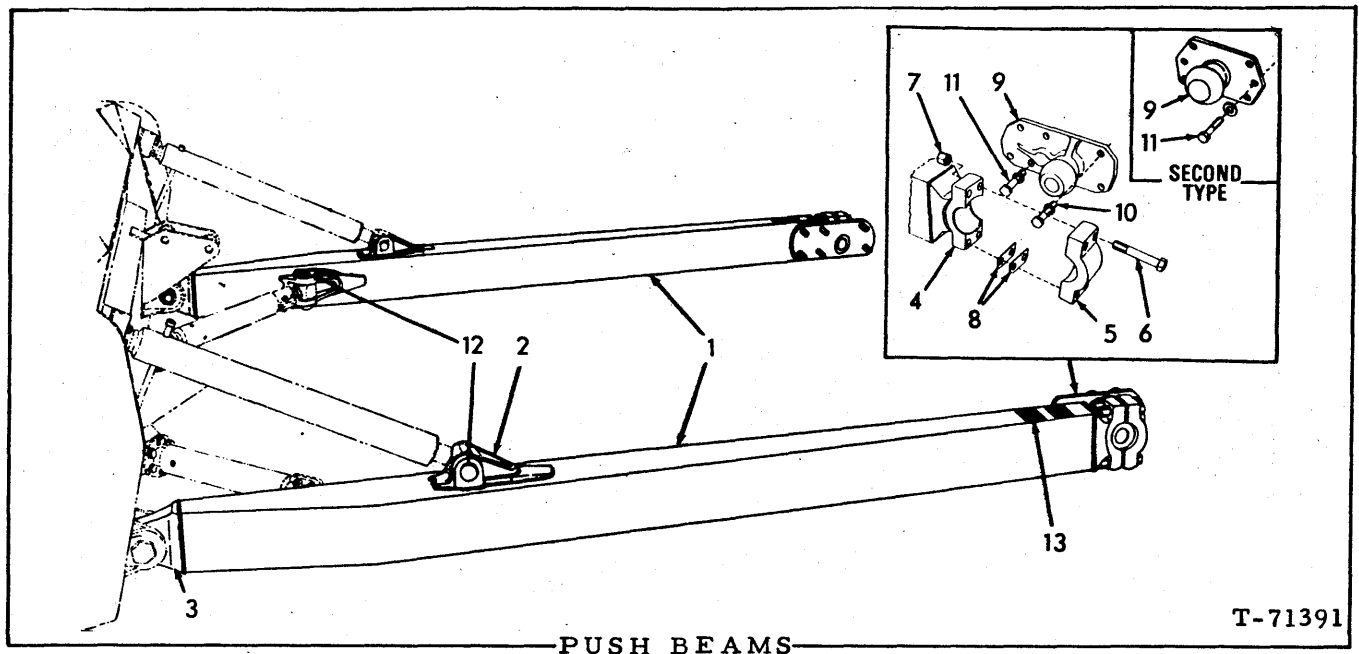


ANGLING MOLDBOARD (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                     |                  |
|------|----------|------|---------------------------------|------------------|
|      |          | * ** |                                 |                  |
| 5    | 70606762 | 1    | - BIT (Recessed for capscrews)  | } Standard       |
|      | 70925671 | 6    | - CAPSCREW, 7/8"NC x 2-1/2"     |                  |
|      | 70911031 | 6    | - NUT, 7/8"NC                   |                  |
|      | 70690676 | 1    | - BIT (Recessed for plow bolts) |                  |
|      | 70660335 | 6    | - BOLT                          |                  |
|      | 70911031 | 6    | - NUT, 7/8"NC                   | } Severe service |
|      | 70617080 | 1    | - BIT (Recessed for capscrews)  |                  |
|      | 70927359 | 6    | - CAPSCREW, 7/8"NF x 2-3/4"     |                  |
|      | 70070400 | 6    | - NUT                           |                  |
|      | 70691058 | - 1  | BIT (Recessed for plow bolts)   |                  |
|      | 70617131 | - 6  | BOLT                            |                  |
|      | 70911031 | - 6  | NUT, 7/8"NC                     |                  |
| 6    | 70619648 | 4    | 4 *SWIVEL                       |                  |
| 7    | 70609368 | 1    | 1 BAR                           |                  |
| 8    | 70668693 | 1    | - *PIVOT                        |                  |
|      | 70693599 | - 1  | *PIVOT ASSY. (Includes item 10) |                  |
| 9    | 70609611 | 1    | 1 *RING                         |                  |
| 10   | 70607556 | - 4  | BUSHING                         |                  |

\* Requires welding to install

(Added February 1976)



USAGE: Mosels 16HS, 16HSU, 16HU, 16CSU

| ITEM | PART NO.                           | QTY.          | DESCRIPTION                                                                                      |                                        |
|------|------------------------------------|---------------|--------------------------------------------------------------------------------------------------|----------------------------------------|
| 1    | { 70667069<br>70667070             | { 1<br>1      | { BEAM, push, left side<br>BEAM, push, right side                                                | Each includes items 2 thru 4           |
| 2    | 70665208                           | 4             | *LUG, brace attachment                                                                           |                                        |
| 3    | 70667002                           | 2             | *HINGE, push beam                                                                                |                                        |
| 4    | 70667026                           | 2             | *PIVOT, push beam                                                                                |                                        |
| 5    | 70617069                           | 2             | CAP, push beam                                                                                   |                                        |
| 6    | 70926283                           | 8             | CAPSCREW, 1"NF x 5-3/4"                                                                          |                                        |
| 7    | 70600236                           | 8             | NUT, high, 1"NF                                                                                  |                                        |
| 8    | 70615912                           | 32            | SHIM, push beam cap (Use as required)                                                            |                                        |
| 9    | { 70617515<br>70617516<br>70687732 | { 1<br>1<br>2 | { TRUNNION, left side<br>TRUNNION, right side<br>TRUNNION (Unit #13185 and up, including #13187) | Units prior to #13185 including #13187 |
| 10   | 70925809                           | 6             | CAPSCREW, 1"NF x 2-3/4"                                                                          | Units prior to #13185 including #13187 |
| 11   | 70925810                           | 6             | CAPSCREW, 1"NF x 3-1/2"                                                                          |                                        |
|      | 70910916                           | 12            | LOCKWASHER, 1"                                                                                   | Unit #13185 and up, excluding #13187   |
|      | 70925671                           | 12            | CAPSCREW, 7/8"NC x 2-1/2"                                                                        |                                        |
|      | 70676122                           | 12            | WASHER                                                                                           |                                        |
| 12   | 70609122                           | 4             | PIN, moldboard brace                                                                             |                                        |
|      | 70918245                           | 4             | PIN, spring, 1/2" x 2-1/2"                                                                       |                                        |
| 13   | 73116394                           | 4             | STEP TREAD                                                                                       |                                        |

\*Requires welding to install

(Revised March 1982)



## C - FRAME AND STRUTS

USAGE: Models 16HA, 16CA

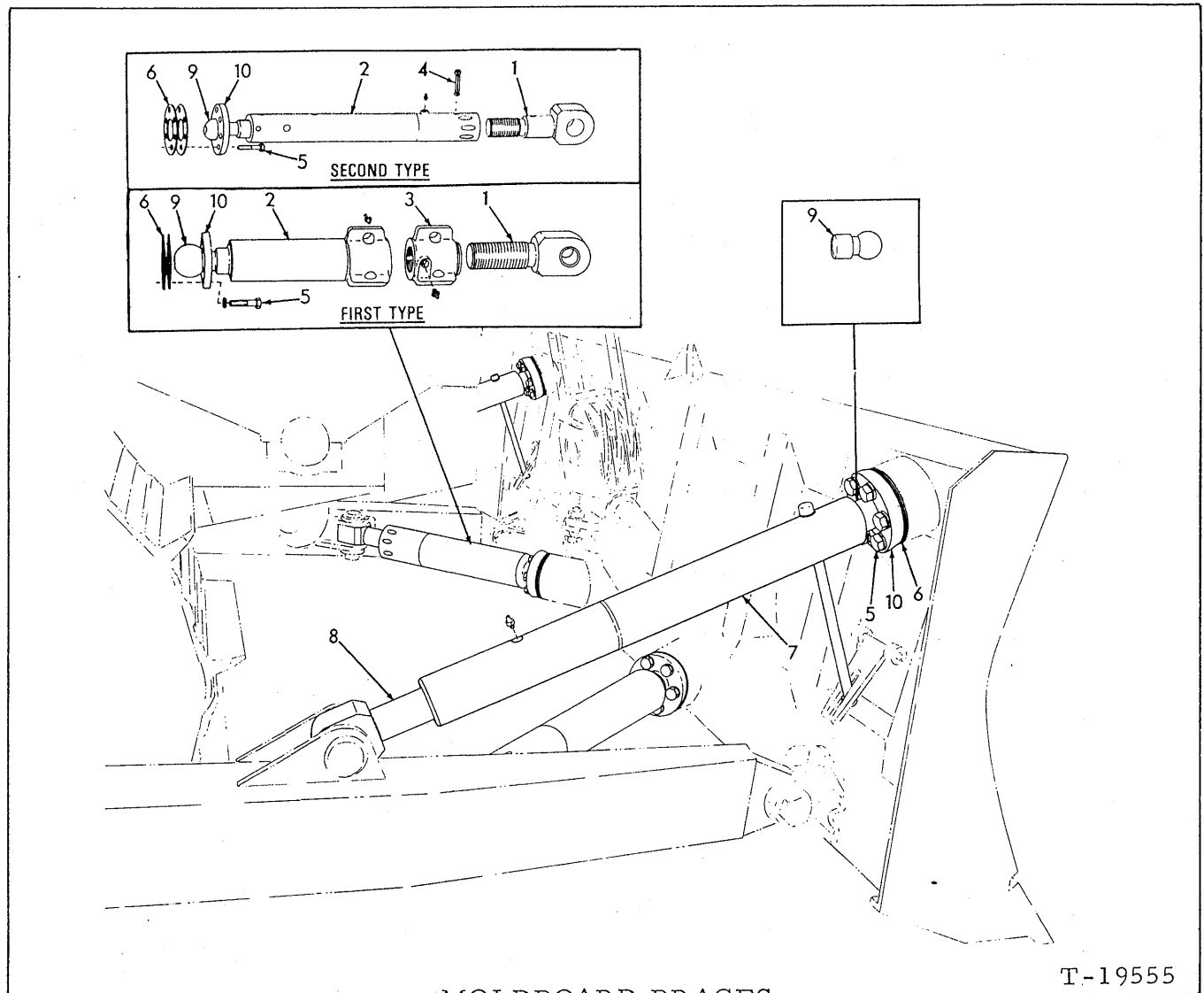
| ITEM | PART NO. | QTY. | DESCRIPTION                                         |
|------|----------|------|-----------------------------------------------------|
| 1    | 70668662 | 1    | C-FRAME (Includes items 4 thru 8)(Model 16HA)       |
| 1A   | 70669571 | 1    | C-FRAME (Includes items 2 thru 5 and 8)(Model 16CA) |
| 2    | 73116394 | 4    | STEP TREAD                                          |
| 2    | 70609209 | 1    | *PLATE, lifting, right side                         |
| 3    | 70609210 | 1    | *PLATE, lifting, left side                          |
| 4    | 70618083 | 3    | *BRACKET, ball pin, left side                       |
| 5    | 70618084 | 3    | *BRACKET, ball pin, right side                      |
| 6    | 70618037 | 1    | *LUG, lifting, left side                            |
| 7    | 70618038 | 1    | *LUG, lifting, right side                           |
| 8    | 70667026 | 2    | *PIVOT, C-Frame                                     |
| 9    | 70617069 | 2    | CAP, C-Frame                                        |
| 10   | 70926283 | 8    | CAPSCREW, 1"NF x 5-3/4"                             |
| 11   | 70600236 | 8    | NUT, high, 1"NF                                     |
| 12   | 70615912 | 32   | SHIM, C-frame cap (Use as required)                 |
| 13   | 70617515 | 1    | TRUNNION, left side                                 |
| 13   | 70617516 | 1    | TRUNNION, right side                                |
|      | 70687732 | 2    | TRUNNION (Unit #13185 and up, excluding #13187)     |
| 14   | 70925809 | 6    | CAPSCREW, 1"NF x 2-3/4"                             |
| 15   | 70925810 | 6    | CAPSCREW, 1"NF x 3-1/2"                             |
|      | 70910916 | 12   | LOCKWASHER, 1"                                      |
|      | 70925671 | 12   | CAPSCREW, 7/8"NC x 2-1/2"                           |
|      | 70676122 | 12   | WASHER                                              |
| 16   | 70668680 | 1    | PIN, moldboard pivot                                |
| 17   | 70606981 | 1    | COLLAR, moldboard pivot pin                         |
|      | 70916321 | 1    | CAPSCREW, 1/2"NC x 4-1/2"                           |
|      | 70912441 | 1    | LOCKWASHER, 1/2"                                    |
|      | 70911028 | 1    | NUT, 1/2"NC                                         |
| 18   | 70615581 | 2    | PIN, ball, strut bracket                            |
| 19   | 70615619 | 2    | PIN, retaining, strut bracket ball pin              |
| 20   | 70617855 | 6    | CLIP, pin retaining                                 |
| 21   | 70618840 | 2    | BRACKET, moldboard strut                            |
| 22   | 70618173 | 2    | CAP, strut bracket                                  |
| 23   | 70925954 | 8    | CAPSCREW, 3/4"NF x 4-1/2"                           |
| 24   | 70012767 | 8    | NUT, high, 3/4"NF                                   |
| 25   | 70614721 | 40   | SHIM, strut bracket cap (use as required)           |
| 26   | 70609361 | 2    | BOLT, upper strut                                   |
| 27   | 70606702 | 2    | NUT, upper strut bolt (slotted, 1-3/4"NF)           |
|      | 70911069 | 2    | PIN, cotter, 5/16" x 3"                             |

\*Requires welding to install

(Continued)

C-FRAME AND STRUTS (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                       |
|------|----------|------|---------------------------------------------------|
| 28   | 70619841 | 2    | CLEVIS, upper strut (Standard. 2-1/2"NC thread)   |
|      | 70619275 | 2    | CLEVIS, upper strut (Heavy-duty. 3-1/2"NC thread) |
|      | 70914465 | 2    | FITTING, lubricating, straight, 1/8"NPT           |
| 29   | 70609355 | 2    | STRUT, upper (Standard. 2-1/2"NC thread)          |
|      | 70619274 | 2    | STRUT, upper (Heavy-duty. 3-1/2"NC thread)        |
|      | 70914465 | 2    | FITTING, lubricating, straight, 1/8"NPT           |
| 30   | 70618692 | 2    | PIN, strut locking                                |
| 31   | 70619840 | 2    | STRUT, lower                                      |
| 32   | 70609122 | 4    | PIN, moldboard strut                              |
|      | 70918245 | 4    | PIN, spring, 1/2" x 2-1/2"                        |



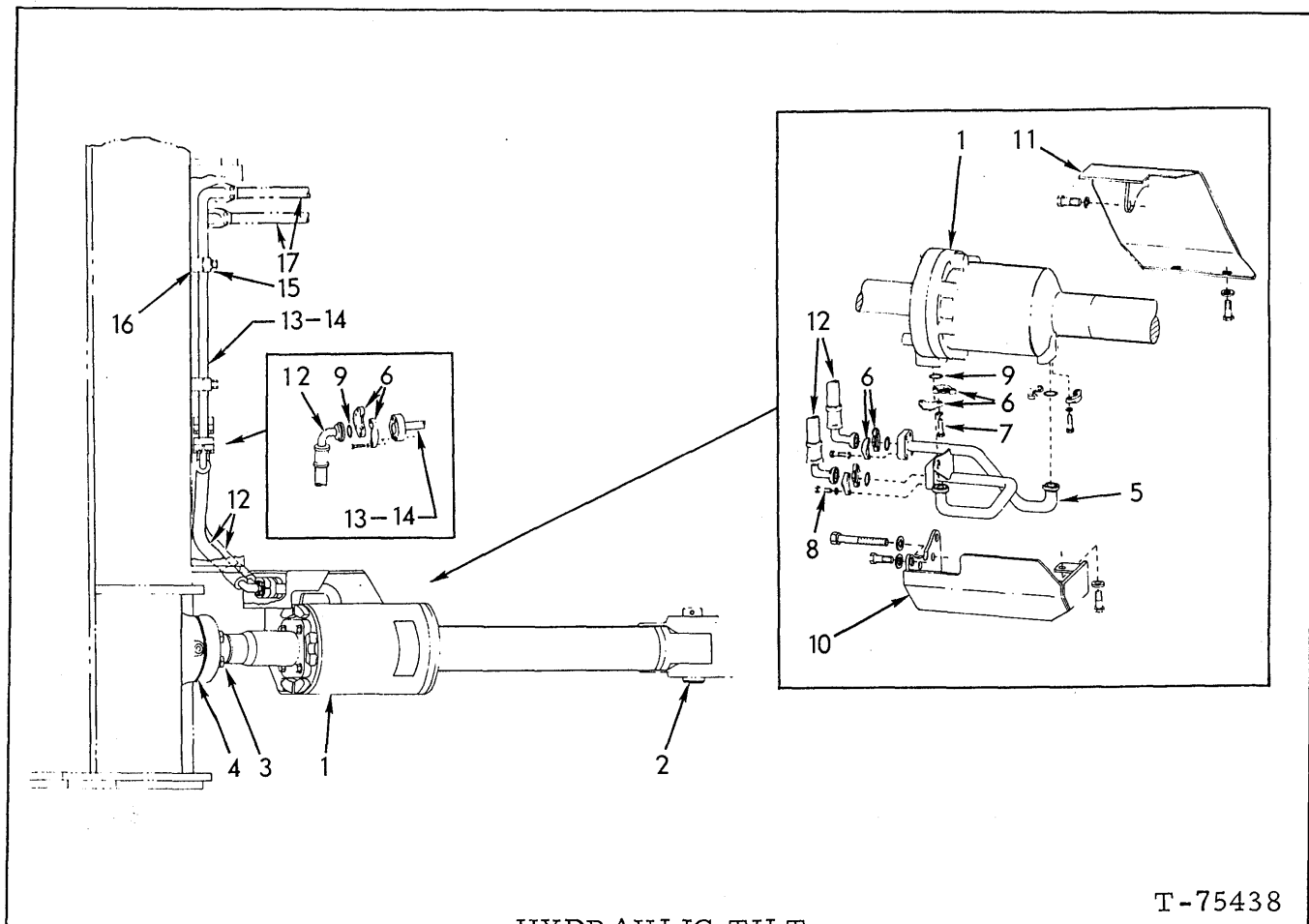
# MOLDBOARD BRACES

T-19555

USAGE: Models 16HS, 16HSU, 16HU, 16CSU

| ITEM | PART NO. | QTY. | DESCRIPTION                             |                                                         |
|------|----------|------|-----------------------------------------|---------------------------------------------------------|
| 1    | 70664864 | 2    | SCREW (Used prior to March 1974)        |                                                         |
|      | 70686974 | 2    | SCREW (Effective March 1974)            |                                                         |
| 2    | 70669307 | 2    | BRACE ASSY., (Used prior to March 1974) | } Each includes items 9 and 10                          |
|      | 70687801 | 2    | BRACE ASSY. (Effective March 1974)      |                                                         |
|      | 70914465 | 2    | FITTING, lubricating, straight, 1/8"NPT |                                                         |
| 3    | 70664859 | 2    | NUT                                     | } Used prior to March 1974                              |
|      | 70914465 | 2    | FITTING, lubricating, straight, 1/8"NPT |                                                         |
| 4    | 70667156 | 2    | PIN (Effective March 1974)              |                                                         |
| 5    | 70925806 | 24   | CAPSCREW (7/8"NC x 3")                  |                                                         |
|      | 70905347 | 24   | LOCKWASHER, 7/8"                        |                                                         |
| 6    | 70609389 | 40   | SHIM (Use as required)                  |                                                         |
| 7    | 70671084 | 2    | BRACE ASSY. (Includes items 9 and 10)   | } One less used when special tilt cylinder is installed |
|      | 70914465 | 2    | FITTING, lubricating, straight, 1/8"NPT |                                                         |
| 8    | 70619952 | 2    | SCREW, tilt brace                       |                                                         |
| 9    | 70671076 | 2    | BALL, diagonal brace                    | } Requires welding to install                           |
|      | 70672959 | 2    | BALL, tilt brace                        |                                                         |
| 10   | 70651704 | 4    | COLLAR, brace ball                      |                                                         |

(Revised May 1977)



T-75438

HYDRAULIC TILT

USAGE: Special equipment. Replaces standard manual tilt on one side of unit.

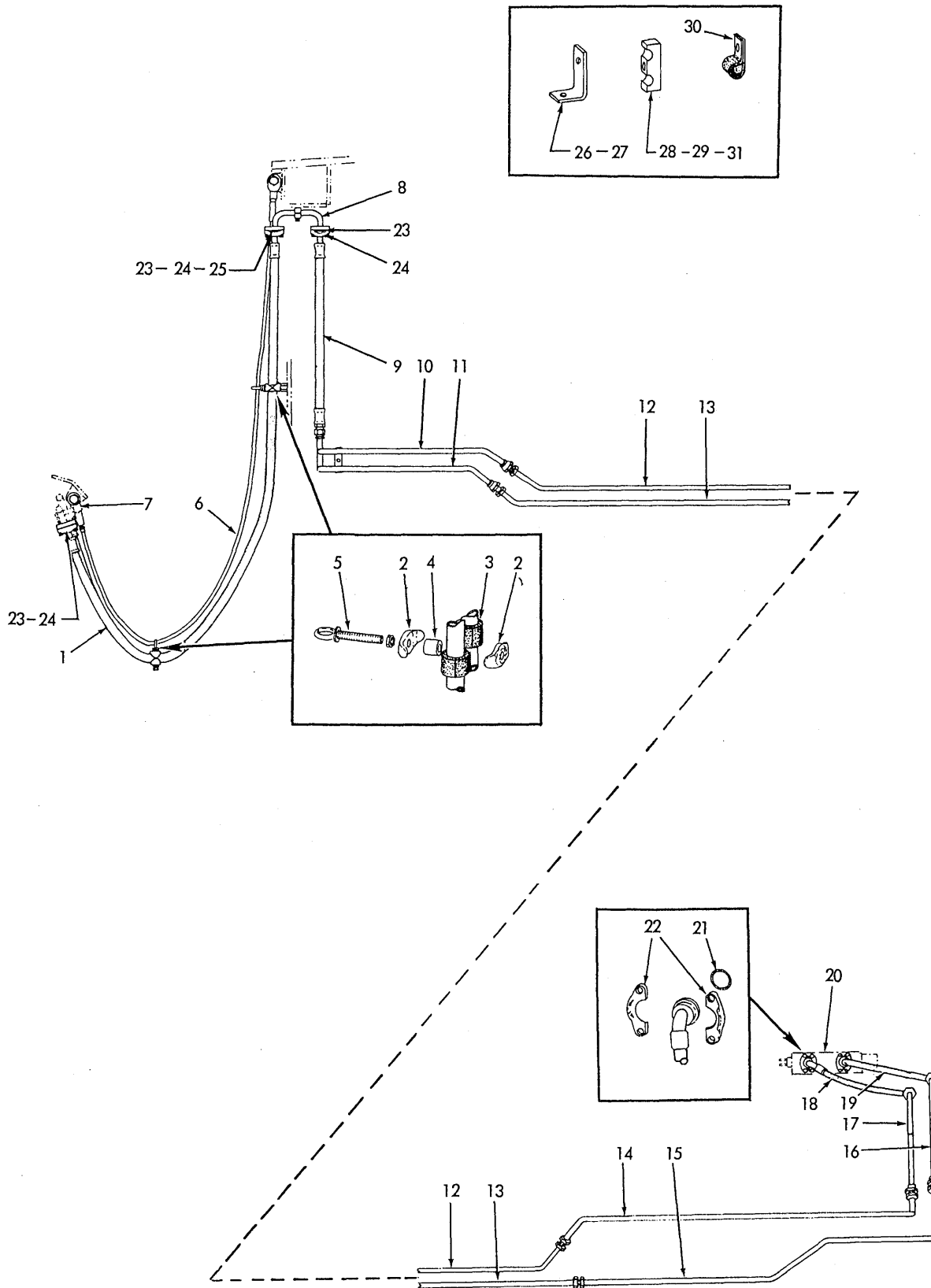
| ITEM | PART NO. | QTY. | DESCRIPTION                                  |
|------|----------|------|----------------------------------------------|
| 1    | -----    | 1    | CYLINDER ASSY., tilt (See pages 275 and 276) |
| 2    | 70609122 | 1    | PIN                                          |
|      | 70918245 | 1    | PIN, spring, 1/2" x 2-1/2"                   |
| 3    | 70925806 | 6    | CAPSCREW, tilt cylinder (7/8"NC x 3")        |
|      | 70905347 | 6    | LOCKWASHER, 7/8"                             |
| 4    | 70609389 | 8    | SHIM (Use as required)                       |
| 5    | 70659320 | 1    | TUBE WELDMENT (17-3/4" long)(Early units)    |
|      | 70698044 | 1    | TUBE WELDMENT (19-3/4" long)(Late units)     |
| 6    | 70921115 | 12   | FLANGE (half only)                           |
| 7    | 70927342 | 8    | CAPSCREW, 3/8"NF x 1-1/8" (Early units)      |
|      | 70921076 | 8    | CAPSCREW, 3/8"NC x 1-1/4" (Late units)       |
| 8    | 70921076 | 16   | CAPSCREW, 3/8"NC x 1-1/4"                    |
|      | 70930370 | 24   | WASHER                                       |
| 9    | 70924110 | 6    | O-RING                                       |

(Continued)

<https://truckmanualshub.com/>  
HYDRAULIC TILT (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                                   |
|------|----------|------|---------------------------------------------------------------|
| 10   | 70667740 | 1    | GUARD                                                         |
|      | 70921411 | 1    | CAPSCREW, 5/8"NC x 1-1/2"                                     |
|      | 70677010 | 1    | WASHER                                                        |
|      | 70922726 | 2    | CAPSCREW, 1/2"NF x 1-1/2"                                     |
|      | 70064531 | 2    | WASHER                                                        |
|      | 70925954 | 2    | CAPSCREW, 3/4"NF x 4-1/2" } Use with 70698044                 |
|      | 70928914 | 4    | WASHER } TUBE WELDMENT                                        |
| 11   | 70667737 | 1    | GUARD                                                         |
|      | 70921411 | 1    | CAPSCREW, 5/8"NC x 1-1/2"                                     |
|      | 70677010 | 1    | WASHER                                                        |
|      | 70920583 | 2    | CAPSCREW, 1/2"NC x 1-1/2"                                     |
|      | 70677008 | 2    | WASHER                                                        |
| 12   | 70670722 | 2    | HOSE (See HOSE PARTS)                                         |
| 13   | 70665681 | 1    | TUBE                                                          |
| 14   | 70665665 | 1    | TUBE                                                          |
| 15   | 70645609 | 2    | CLAMP (plain hole)                                            |
|      | 70927353 | 2    | CAPSCREW, 1/2"NF x 1-1/4" } First type                        |
|      | 70677008 | 2    | WASHER                                                        |
|      | 70698393 | 2    | CLAMP                                                         |
|      | 70927522 | 2    | CAPSCREW, 1/2"NF x 1-3/4" } Second type                       |
|      | 70677008 | 2    | WASHER                                                        |
| 16   | 70645610 | 2    | CLAMP (threaded hole)(Requires welding to<br>dozer moldboard) |
| 17   | -----    | 2    | HOSE (See HYDRAULIC TILT PIPING)                              |





HYDRAULIC TILT PIPING

T-75850

## HYDRAULIC TILT PIPING

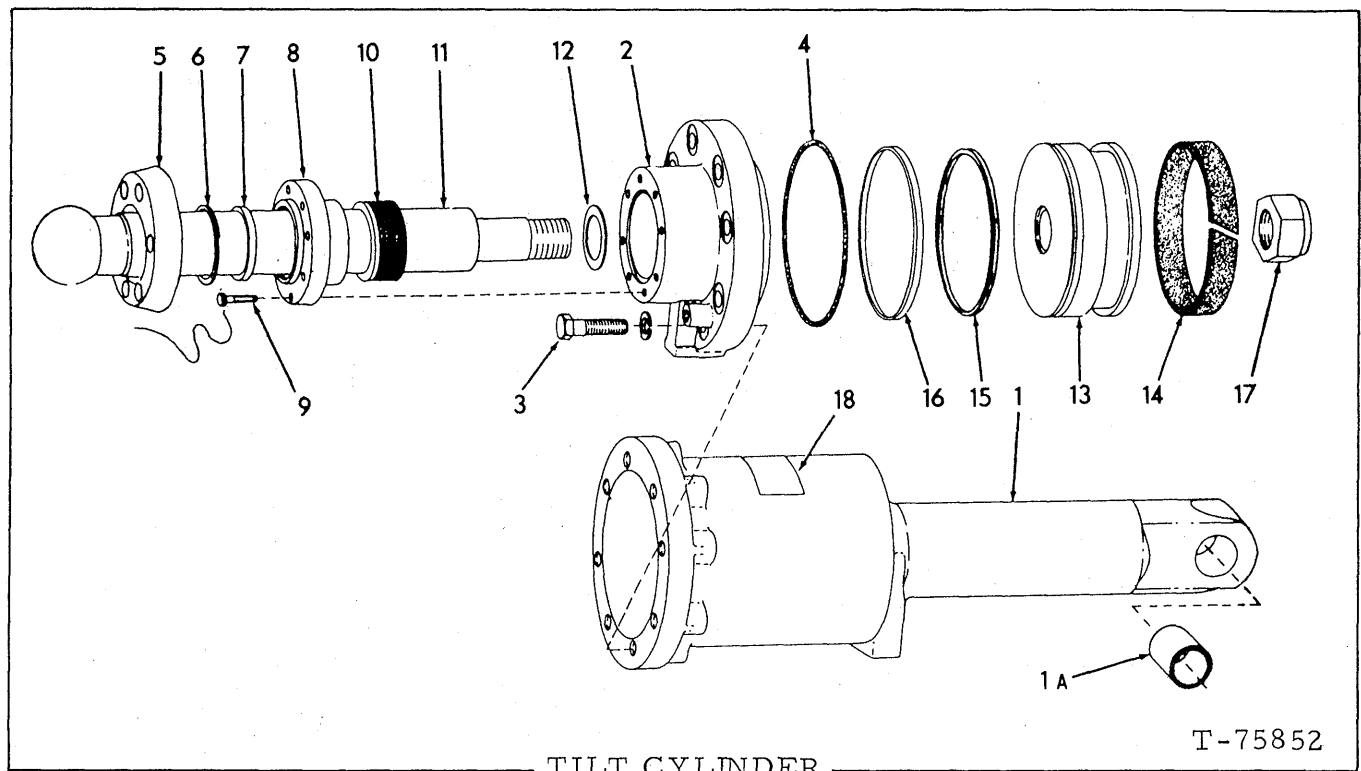
USAGE: Special Equipment

| ITEM | PART NO. | QTY. | DESCRIPTION                                                 |
|------|----------|------|-------------------------------------------------------------|
| 1    | 70670723 | 2    | HOSE, front (See HOSE PARTS)                                |
| 2    | 70619966 | 4    | CLAMP, front hose supporting                                |
| 3    | 70670217 | 4    | BOOT, hose protecting                                       |
| 4    | 70613231 | 2    | BLOCK, spacing, hose clamp                                  |
| 5    | 70667711 | 2    | EYE-BOLT, cable guiding                                     |
|      | 70911035 | 1    | NUT, jam, 1/2"NC                                            |
|      | 70911028 | 1    | NUT, 1/2"NC                                                 |
|      | 70677008 | 1    | WASHER, plain                                               |
| 6    | 70670726 | 1    | CABLE, hose supporting                                      |
|      | 70927344 | 1    | CAPSCREW, 7/8"NC x 4"                                       |
|      | 70921039 | 1    | NUT, elastic stop, 7/8"NC                                   |
| 7    | 70668814 | 1    | FITTING, hose supporting cables (Includes capscREW and nut) |
| 8    | 70659322 | 2    | TUBE, upper                                                 |
| 9    | 70670721 | 2    | HOSE, intermediate (See HOSE PARTS)                         |
| 10   | 70662687 | 1    | TUBE, front section, upper                                  |
| 11   | 70662700 | 1    | TUBE, front section, lower                                  |
| 12   | 70662719 | 1    | TUBE, front intermediate section, upper                     |
| 13   | 70662688 | 1    | TUBE, front intermediate section, lower                     |
| 14   | 70662666 | 1    | TUBE, rear intermediate section, upper                      |
| 15   | 70662654 | 1    | TUBE, rear intermediate section, lower                      |
| 16   | 70662737 | 1    | TUBE, rear section (rear hose)                              |
| 17   | 70662723 | 1    | TUBE, rear section (front hose)                             |
| 18   | 70669245 | 1    | HOSE, rear section (front)                                  |
| 19   | 70670759 | 1    | HOSE, rear section (rear)                                   |
| 20   | -----    | 1    | VALVE ASSY., operating (See pages 297 and 301)              |
| 21   | 70924200 | 2    | O-RING, valve connection                                    |
| 22   | 70921116 | 4    | FLANGE, valve connection (half only)                        |
|      | 70921076 | 8    | CAPSCREW, 3/8"NC x 1-1/4"                                   |
|      | 70930370 | 8    | WASHER                                                      |
| 23   | 70924110 | 6    | O-RING, tube connections                                    |
| 24   | 70921115 | 12   | FLANGE, tube connecting (half only)                         |
|      | 70921076 | 24   | CAPSCREW, 3/8"NC x 1-1/4"                                   |
|      | 70930370 | 24   | WASHER                                                      |

(Continued)

## HYDRAULIC TILT PIPING (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                           |
|------|----------|------|-------------------------------------------------------|
| 25   | 70666575 | 2    | PLUG, closure (Used only when lines are disconnected) |
| 26   | 70670751 | 1    | ANGLE, tube supporting                                |
|      | 70920582 | 1    | CAPSCREW, 1/2"NC x 2-1/4"                             |
|      | 70912441 | 1    | LOCKWASHER, 1/2"                                      |
|      | 70064531 | 1    | WASHER, plain                                         |
| 27   | 70662741 | 1    | ANGLE, tube supporting                                |
|      | 70920583 | 1    | CAPSCREW, 1/2"NC x 1-1/2"                             |
|      | 70910244 | 1    | WASHER, plain, SAE std., 1/2"                         |
|      | 70064531 | 1    | WASHER, plain                                         |
|      | 70912441 | 1    | LOCKWASHER, 1/2"                                      |
|      | 70911028 | 1    | NUT, 1/2"NC                                           |
| 28   | 70080116 | 6    | BLOCK, tube supporting                                |
|      | 70927446 | 1    | CAPSCREW, 3/8"NC x 3"                                 |
|      | 70927174 | 2    | CAPSCREW, 3/8"NC x 2-1/2"                             |
|      | 70677006 | 3    | WASHER, plain                                         |
|      | 70910287 | 2    | LOCKWASHER, 3/8"                                      |
|      | 70911026 | 3    | NUT, 3/8"NC                                           |
| 29   | 70659327 | 4    | CLAMP, tube supporting                                |
|      | 70921565 | 2    | CAPSCREW, 3/8"NC x 1-1/2"                             |
|      | 70927174 | 1    | CAPSCREW, 3/8"NC x 2-1/2"                             |
|      | 70910287 | 3    | LOCKWASHER, 3/8"                                      |
| 30   | 70927104 | 4    | CLAMP, tube supporting                                |
|      | 70927216 | 4    | CAPSCREW, 1/2"NC x 7/8"                               |
|      | 70912441 | 4    | LOCKWASHER, 1/2"                                      |
| 31   | 70627917 | 4    | CLAMP, tube supporting,                               |
|      | 70927218 | 2    | CAPSCREW, 3/8"NC x 2-3/4"                             |
|      | 70044973 | 2    | WASHER, plain                                         |
|      | 70910287 | 2    | LOCKWASHER, 3/8"                                      |
|      | 70911026 | 2    | NUT, 3/8"NC                                           |

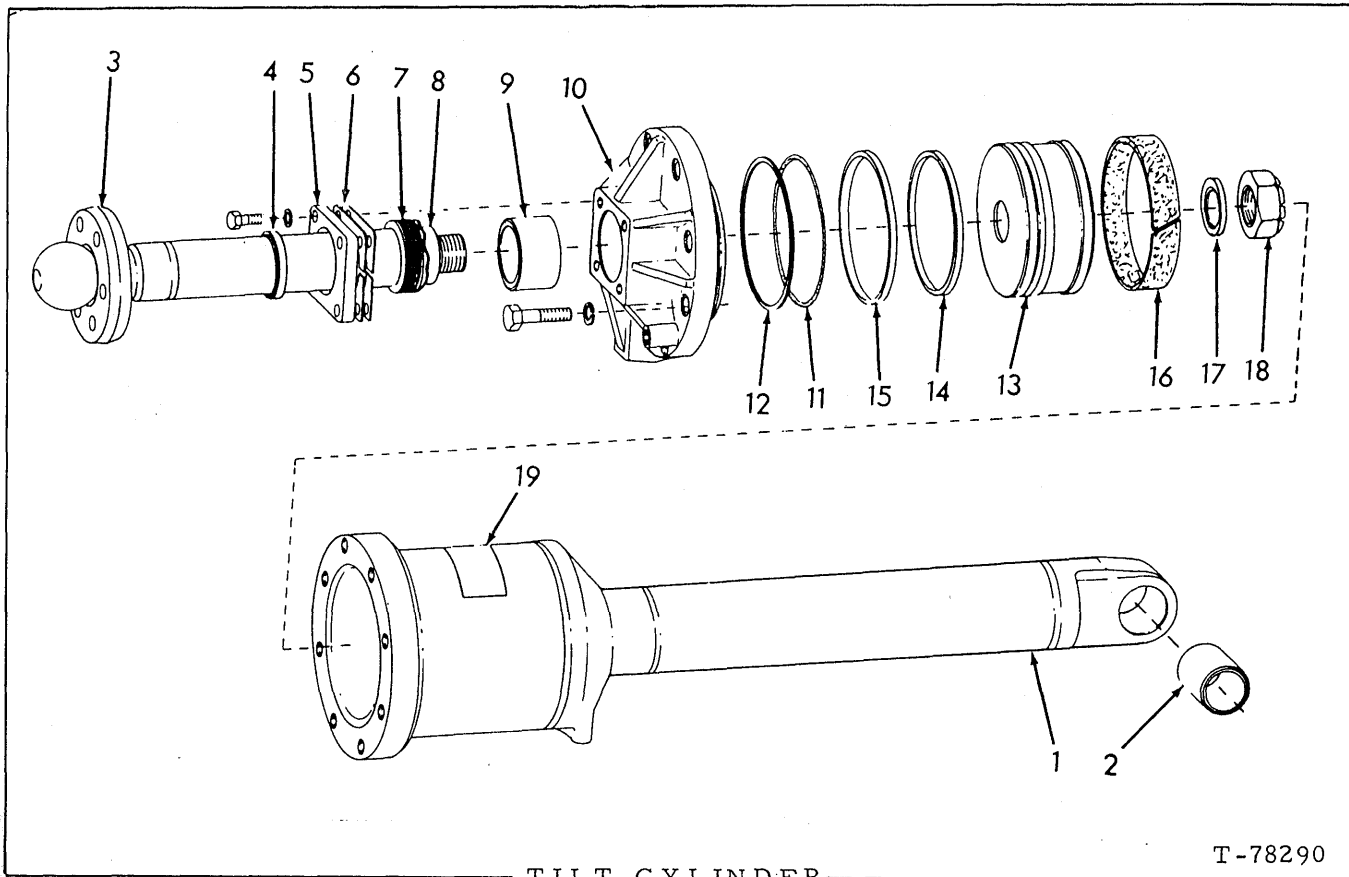


USAGE: See page 270 (Used prior to February 1973)

ITEM PART NO. QTY. DESCRIPTION

|    |          |   |                                                     |
|----|----------|---|-----------------------------------------------------|
| -  | 73055465 | 1 | CYLINDER ASSY. (Includes items 1 thru 18)           |
| 1  | 70653790 | 1 | CYLINDER ASSY. (Includes item 1A)                   |
| 1A | 73057408 | 1 | BUSHING                                             |
| 2  | 70636792 | 1 | COVER, cylinder                                     |
| 3  | 70923137 | 8 | CAPSCREW, 3/4"NF x 3"                               |
|    | 70904369 | 8 | LOCKWASHER, 3/4"                                    |
| 4  | 70928741 | 1 | □RING, sealing, cylinder cover                      |
| 5  | 70651704 | 1 | COLLAR, piston rod                                  |
| 6  | 70926978 | 1 | RING, seal retaining                                |
| 7  | 70619965 | 1 | □SEAL, piston rod wiping                            |
| 8  | 70636795 | 1 | RETAINER, rod seal                                  |
| 9  | 70636796 | 8 | CAPSCREW, drilled-hd., 3/8"NF x 1-7/8"              |
|    | 70023756 | 1 | WIRE, locking, 1/16" x 26"                          |
| 10 | 73047563 | 1 | □PACKING SET, piston rod                            |
| 11 | 73055463 | 1 | ROD, piston                                         |
| 12 | 73054108 | 1 | SPACER, piston (Early units)                        |
| 13 | 73059271 | 1 | PISTON                                              |
| 14 | 73053716 | 1 | □RING, piston wear                                  |
| 15 | 70926822 | 1 | □RING, piston, inner                                |
| 16 | 73053715 | 1 | □RING, piston, outer                                |
| 17 | 70929290 | 1 | NUT, piston rod (self-locking)                      |
| 18 | 70635335 | 1 | TRANSFER, caution                                   |
| 19 | 73055467 | 1 | REPAIR KIT (Includes items 4, 7, 10, 14, 15 and 16) |

□Components of item 19



USAGE: See page 270 (Effective February 1973)

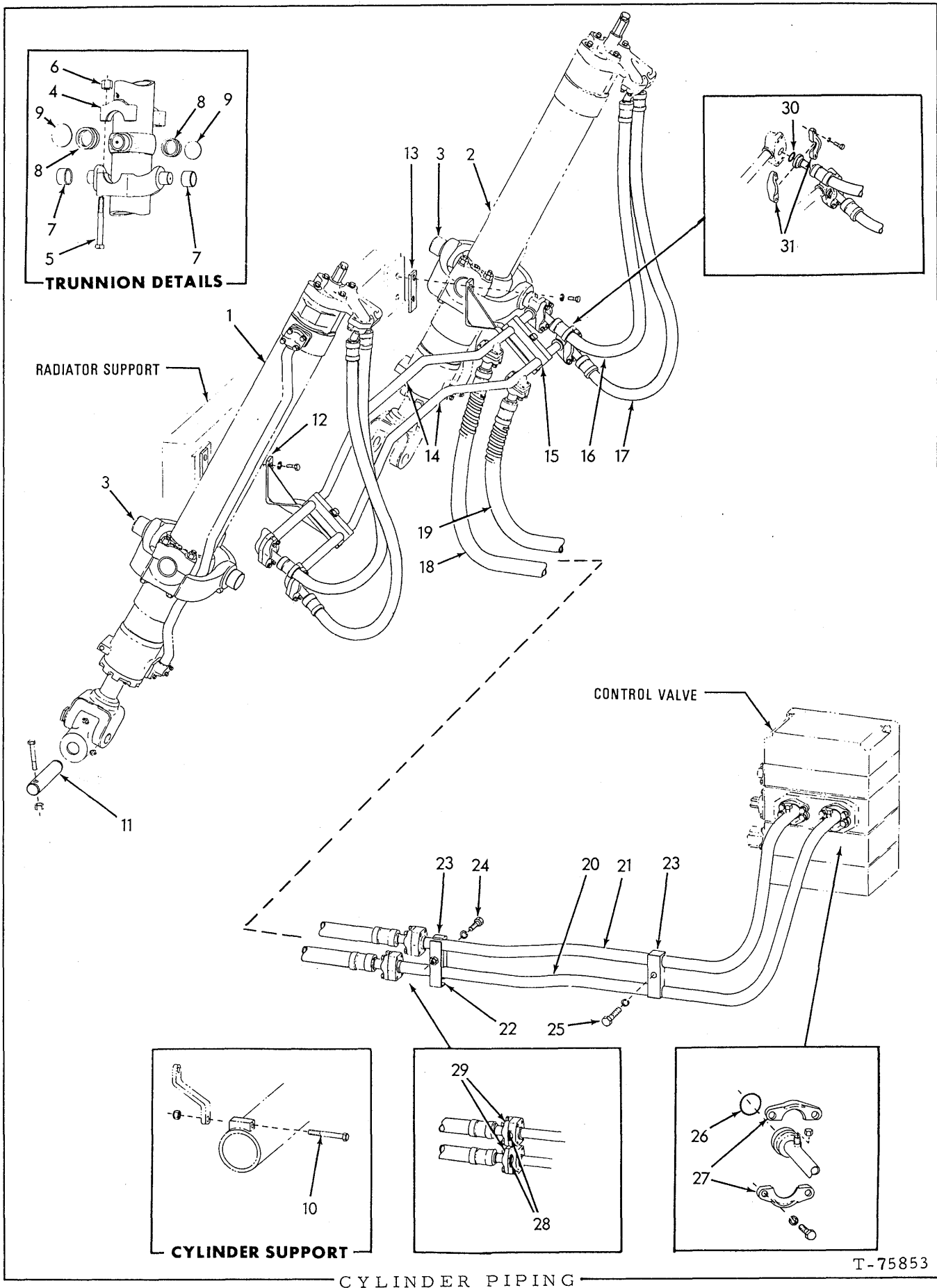
| ITEM | PART NO. | QTY. | DESCRIPTION                                                         |
|------|----------|------|---------------------------------------------------------------------|
| -    | 73061763 | 1    | CYLINDER ASSY. (Includes items 1 thru 19)                           |
| 1    | 73061080 | 1    | CYLINDER ASSY. (Includes item 2)                                    |
| 2    | 73057408 | 1    | BUSHING                                                             |
| 3    | 70651704 | 1    | COLLAR, piston rod                                                  |
| 4    | 73052942 | 1    | □ WIPER, piston rod                                                 |
| 5    | 73059354 | 1    | PLATE, retaining                                                    |
|      | 70915987 | 4    | CAPSCREW, 1/2" NC x 1-1/2"                                          |
|      | 70904208 | 4    | LOCKWASHER, 1/2"                                                    |
| 6    | 73054488 | 4    | □ SHIM (.029" thick)                                                |
| 7    | 73054073 | 1    | □ PACKING SET, piston rod                                           |
| 8    | 73055463 | 1    | ROD, piston                                                         |
| 9    | 73054072 | 1    | BUSHING, rod (Early units)                                          |
| 10   | 73061759 | 1    | HEAD, cylinder (Early units. Used with item 9)                      |
|      | 73062228 | 1    | HEAD, cylinder (Late units)                                         |
|      | 70921170 | 6    | CAPSCREW, 3/4" NF x 2-1/2" (2 additional required for HEAD 3061759) |
|      | 70924815 | 2    | CAPSCREW, 3/4" NF x 4" (For HEAD 3062228 only)                      |
|      | 70904369 | 8    | LOCKWASHER, 3/4"                                                    |

(Continued)

TILT CYLINDER (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                                |
|------|----------|------|------------------------------------------------------------|
| 11   | 70927171 | 1    | <input type="checkbox"/> RING, sealing, cylinder cover     |
| 12   | 70930345 | 1    | <input type="checkbox"/> RING, back up                     |
| 13   | 73059271 | 1    | PISTON                                                     |
| 14   | 70926822 | 1    | <input type="checkbox"/> RING, piston, inner               |
| 15   | 73053715 | 1    | <input type="checkbox"/> RING, piston, outer               |
| 16   | 73053716 | 1    | <input type="checkbox"/> RING, piston wear                 |
| 17   | 73054108 | 1    | SPACER, nut                                                |
| 18   | 70929290 | 1    | NUT, piston rod (self-locking)                             |
| 19   | 70635335 | 1    | TRANSFER, caution                                          |
| 20   | 73056933 | 1    | REPAIR KIT (Includes items 4, 6, 7, 11, 12, 14, 15 and 16) |

☐ Components of item 20



T-75853

CYLINDER PIPING

USAGE: Models 16HA, 16HS, 16HSU, 16HI

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                 |
|------|----------|------|-----------------------------------------------------------------------------|
| 1    | -----    | 1    | CYLINDER ASSY., left side                                                   |
| 2    | -----    | 1    | CYLINDER ASSY., right side                                                  |
| 3    | 70646416 | 2    | TRUNNION ASSY. (Includes items 4 thru 7)                                    |
|      | 70914465 | 4    | FITTING, lubricating, straight, 1/8"NPT                                     |
| 4    | 70085140 | 4    | CAP                                                                         |
| 5    | 70084955 | 8    | CAPSCREW, 1"NF x 7-1/2"                                                     |
| 6    | 70600236 | 8    | NUT, high, 1"NF                                                             |
| 7    | 70609222 | 4    | BUSHING (2-1/2" O.D.)                                                       |
| 8    | 70084581 | 4    | BUSHING, 3"O.D.                                                             |
| 9    | 70084612 | 4    | PLATE                                                                       |
| 10   | 70926165 | 2    | CAPSCREW, 5/8"NC x 4-1/2" (For securing cylinders<br>when blade is removed) |
|      | 70914501 | 2    | NUT, elastic stop, 5/8"NC                                                   |
| 11   | 70649611 | 2    | PIN                                                                         |
|      | 70926157 | 2    | CAPSCREW, 1/2"NC x 3-3/4"                                                   |
|      | 70918309 | 2    | NUT, elastic stop, 1/2"NC                                                   |
| 12   | 70670356 | 2    | BRACKET                                                                     |
|      | 70921175 | 4    | CAPSCREW, 1/2"NC x 1"                                                       |
|      | 70928188 | 4    | WASHER                                                                      |
| 13   | 70655807 | 2    | BLOCK (Tractors prior to unit #11610 only)                                  |
| 14   | 70669740 | 2    | TUBE, cross (Tractors prior to unit #14009)                                 |
|      | 70691712 | 1    | TUBE, raise line                                                            |
|      | 70691713 | 1    | TUBE, drop line                                                             |
| 15   | 70670354 | 2    | CLAMP                                                                       |
|      | 70920585 | 2    | CAPSCREW, 1/2"NC x 1-3/4"                                                   |
|      | 70928188 | 2    | WASHER                                                                      |
| 16   | 70669727 | 2    | HOSE, drop line (See HOSE PARTS)                                            |
| 17   | 70670357 | 2    | HOSE, raise line (See HOSE PARTS)                                           |
| 18   | 70669728 | 1    | HOSE, drop line (See HOSE PARTS)                                            |
| 19   | 70669726 | 1    | HOSE, raise line (See HOSE PARTS)                                           |
| 20   | 70669918 | 1    | TUBE, drop line                                                             |
|      | 70921467 | 1    | CAP, flare fitting, 1/4" tube                                               |
| 21   | 70669919 | 1    | TUBE, raise line                                                            |
|      | 70921467 | 1    | CAP, flare fitting, 1/4" tube                                               |

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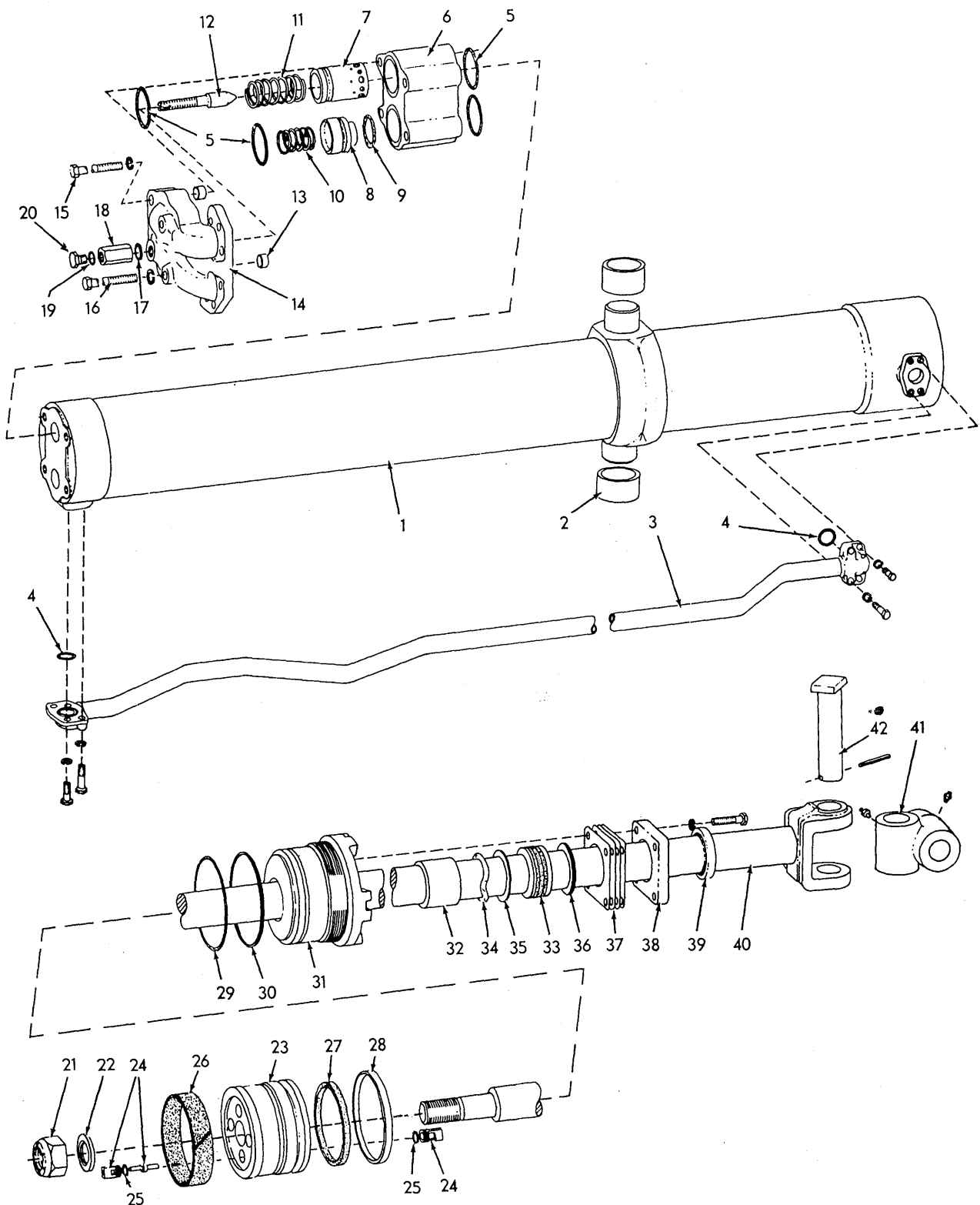
(Revised April 1980)



CYLINDER PIPING (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                |
|------|----------|------|----------------------------|
| 22   | 70669950 | 1    | ANGLE                      |
|      | 70921175 | 1    | CAPSCREW, 1/2"NC x 1"      |
|      | 70928188 | 1    | WASHER                     |
| 23   | 70669732 | 2    | CLAMP                      |
| 24   | 70922510 | 1    | CAPSCREW, 1/2"NC x 2-3/4"  |
|      | 70926156 | 1    | CAPSCREW, 1/2"NC x 3-1/4"  |
|      | 70928188 | 2    | WASHER                     |
| 26   | 70924193 | 2    | O-RING                     |
| 27   | 70921118 | 4    | FLANGE                     |
|      | 70920583 | 8    | CAPSCREW, 1/2"NC x 1-1/2"  |
|      | 70928460 | 8    | WASHER                     |
| 28   | 70924192 | 4    | O-RING                     |
| 29   | 70921117 | 8    | FLANGE                     |
|      | 70921569 | 16   | CAPSCREW, 7/16"NC x 1-1/4" |
|      | 70929154 | 16   | WASHER                     |
| 30   | 70924200 | 8    | O-RING                     |
| 31   | 70921116 | 16   | FLANGE                     |
|      | 70921076 | 16   | CAPSCREW, 3/8"NC x 1-1/4"  |
|      | 70923470 | 16   | CAPSCREW, 3/8"NC x 1-3/8"  |
|      | 70930370 | 32   | WASHER                     |





# HYDRAULIC DOZER CYLINDERS

T-75854

# HYDRAULIC DOZER CYLINDERS

\* Cylinder Assembly (Left Side)  
 \*\* Cylinder Assembly (Right Side)

USAGE: See page 279

| ITEM | PART NO. | QTY. | DESCRIPTION                                                              |
|------|----------|------|--------------------------------------------------------------------------|
|      |          | * ** |                                                                          |
| -    | 70662179 | 1 -  | CYLINDER ASSY., left (Tractors prior to unit #15182)                     |
|      | 73116737 | 1 -  | CYLINDER ASSY., left (Tractor unit #15182 and up)                        |
|      | 70662180 | - 1  | CYLINDER ASSY., right (Tractors prior to #15182)                         |
|      | 73116738 | - 1  | CYLINDER ASSY., right (Tractor unit #15182 and up)                       |
| 1    | 73062237 | 1 -  | CYLINDER ASSY. } Each includes item 2                                    |
|      | 73062238 | - 1  | CYLINDER ASSY. }                                                         |
| 2    | 70609222 | 2 2  | BUSHING, cylinder pivot                                                  |
|      | 70661961 | 1 -  | TUBE, jumper                                                             |
| 3    | 70661962 | 1 -  | TUBE, jumper                                                             |
|      | 70922763 | 4 4  | CAPSCREW, 3/8" NC x 1"                                                   |
|      | 70920996 | 4 4  | CAPSCREW, 3/8" NC x 2-1/4"                                               |
|      | 70930370 | 8 8  | WASHER                                                                   |
| 4    | 70924200 | 2 2  | O-RING, jumper tube                                                      |
| 5    | 70924274 | 4 4  | O-RING, valve housing                                                    |
| 6    | 70669002 | 1 1  | VALVE AND HOUSING ASSY. (Includes items 7 thru 9)                        |
| 7    | -----    | 1 1  | VALVE, by-pass, raise line (Not serviced separately)                     |
| 8    | 70650560 | 1 1  | VALVE, by-pass, drop line                                                |
| 9    | 70923578 | 1 1  | O-RING, drop line by-pass valve                                          |
| 10   | 70635447 | 1 1  | SPRING, drop line valve                                                  |
| 11   | 70657207 | 1 1  | SPRING, raise line valve                                                 |
| 12   | 73110369 | 1 1  | SCREW, orifice adjustment (5/8" NC diam.)(Tractors prior to unit #15182) |
|      | 73116504 | 1 1  | SCREW, orifice adjustment (7/8" NC diam.)(Tractors unit #15182 and up)   |
| 13   | 70050227 | 2 2  | BUSHING, dowel                                                           |
| 14   | 70697003 | 1 -  | HEAD, connecting (Tractors prior to unit #15182)                         |
|      | 73116501 | 1 -  | HEAD, connecting (Tractors unit #15182 and up)                           |
|      | 70697004 | - 1  | HEAD, connecting (Tractors prior to unit #15182)                         |
|      | 73116502 | - 1  | HEAD, connecting (Tractors unit #15182 and up)                           |
| 15   | 70927335 | 2 2  | CAPSCREW, 5/8" NF x 6"                                                   |
| 16   | 70927336 | 2 2  | CAPSCREW, 5/8" NF x 7"                                                   |
|      | 70927381 | 4 4  | WASHER                                                                   |
| 17   | 70668394 | 1 1  | SEAL, adjustment screw (Tractors prior to unit #15182)                   |
|      | 73116457 | 1 1  | SEAL, adjustment screw (Tractor unit #15182 and up)                      |
| 18   | 70668387 | 1 1  | NUT, locking, adjustment screw (Tractors prior to unit #15182)           |
|      | 73116456 | 1 1  | NUT, locking, adjustment screw (Tractors unit #15182 and up)             |
| 19   | 70921206 | 1 1  | O-RING, valve access plug                                                |
| 20   | 70921204 | 1 1  | PLUG, valve access (Includes item 19)                                    |
| 21   | 73073206 | 1 1  | NUT, piston rod (self-locking)                                           |
| 22   | 73053978 | 1 1  | SPACER, piston rod                                                       |

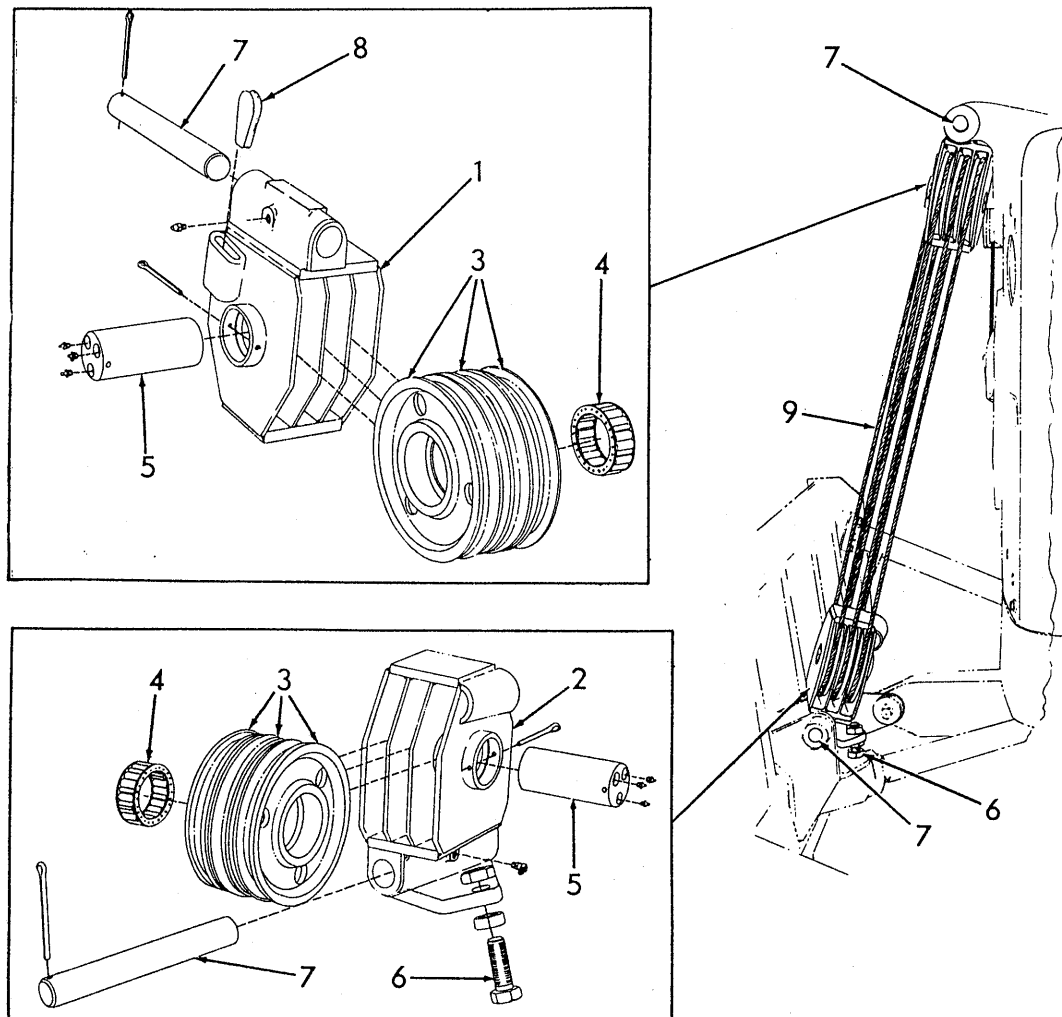
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(Revised September 1979)

HYDRAULIC DOZER CYLINDERS (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                      |
|------|----------|------|----------------------------------------------------------------------------------|
|      |          | * ** |                                                                                  |
| 23   | 73061069 | 1 1  | PISTON ASSY. (Includes items 24 thru 29)                                         |
| 24   | 73058925 | 2 2  | PLUNGER - GUIDE ASSY. (Includes 1 plunger<br>(.340" diam.) 2 guides and item 25) |
| 25   | 70923843 | 4 4  | O-RING                                                                           |
| 26   | 73052623 | 1 1  | <input type="checkbox"/> RING, piston wear                                       |
| 27   | 70926818 | 1 1  | <input type="checkbox"/> RING, piston, inner (rubber)                            |
| 28   | 73052618 | 1 1  | <input type="checkbox"/> RING, piston, outer (teflon)                            |
| 29   | 70925247 | 1 1  | <input type="checkbox"/> O-RING, cylinder head                                   |
| 30   | 70926633 | 1 1  | <input type="checkbox"/> RING, back-up, head o-ring                              |
| 31   | 73062217 | 1 1  | HEAD, cylinder                                                                   |
| 32   | 73053885 | 1 1  | BUSHING, piston rod (Early cylinders)                                            |
| 33   | 73053886 | 1 1  | <input type="checkbox"/> PACKING SET, piston rod (Includes items 34 and 35)      |
| 34   | -----    | 1 1  | SPRING, wave, rod packing } Not serviced                                         |
| 35   | -----    | 1 1  | WASHER, rod packing, inner } separately                                          |
| 36   | 73054485 | 1 1  | WASHER, rod packing, outer                                                       |
| 37   | 73054486 | 4 4  | <input type="checkbox"/> SHIM, packing plate (Use as required)                   |
| 38   | 73051194 | 1 1  | PLATE, packing adjustment                                                        |
|      | 70914847 | 4 4  | CAPSCREW, 3/8"NC x 1-1/2"                                                        |
|      | 70904206 | 4 4  | LOCKWASHER, 3/8"                                                                 |
| 39   | 73052879 | 1 1  | <input type="checkbox"/> WIPER, piston rod                                       |
| 40   | 73052687 | 1 1  | ROD, piston                                                                      |
| 41   | 70620703 | 1 1  | UNIVERSAL, piston rod (Tractors prior to unit #14438)                            |
|      | 70695869 | 1 1  | UNIVERSAL, piston rod (Tractor unit #14438 and up)                               |
|      | 70915275 | 4 4  | FITTING, lubricating, 65°, 1/8"NPT                                               |
| 42   | 70637056 | 2 2  | PIN, piston                                                                      |
|      | 70637051 | 2 2  | PIN, Spirol, 3/8" x 2"                                                           |
| 43   | 73056484 | 1 1  | REPAIR KIT (Includes items 26 thru 30, 33, 37 and 39)                            |

☐ Components of item 43



T-15158

SHEAVE BLOCKS AND CABLE

USAGE: Models 16CSU, 16CA

\* 3-sheave type (Standard)

\*\* 4-sheave type (Optional)

| ITEM | PART NO. | QTY.<br>* ** | DESCRIPTION |
|------|----------|--------------|-------------|
|------|----------|--------------|-------------|

NOTE: See page 215 for additional sheaves which conduct cable to control unit

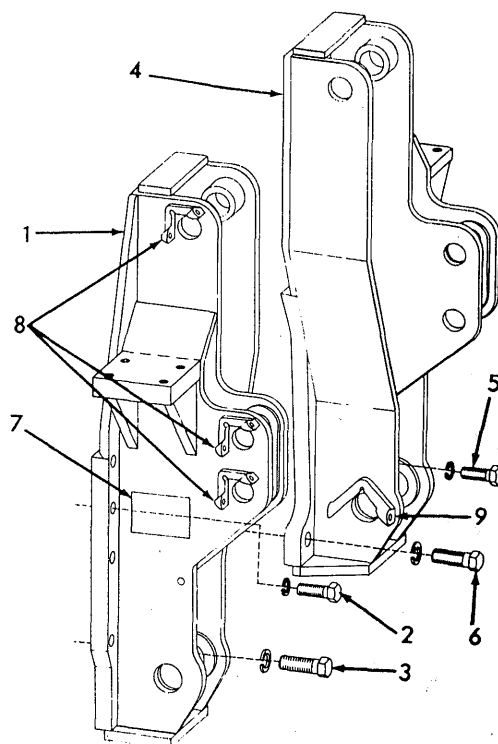
|   |          |     |                                                     |
|---|----------|-----|-----------------------------------------------------|
| - | 70614350 | 1   | - BLOCK ASSY., upper (Consists of items 1, 3, 4, 5) |
|   | 70619955 | - 1 | BLOCK ASSY., upper (Consists of items 1, 3, 4, 5)   |
| - | 70614351 | 1   | - BLOCK ASSY., lower (Consists of items 2 thru 6)   |
|   | 70619957 | - 1 | BLOCK ASSY., lower (Consists of items 2 thru 6)     |

(Continued)

## SHEAVE BLOCKS AND CABLE (Continued)

| ITEM | PART NO. | QTY. |    | DESCRIPTION                                            |
|------|----------|------|----|--------------------------------------------------------|
|      |          | *    | ** |                                                        |
| 1    | 70609414 | 1    | -  | BLOCK, upper sheaves                                   |
|      | 70619956 | -    | 1  | BLOCK, upper sheaves                                   |
|      | 70914465 | 1    | 1  | FITTING, lubricating, 1/8"NPT                          |
| 2    | 70609379 | 1    | -  | BLOCK, lower sheaves                                   |
|      | 70619954 | -    | 1  | BLOCK, lower sheaves                                   |
|      | 70915274 | 1    | 1  | FITTING, lubricating, 45°, 1/8"NPT                     |
| 3    | 70084758 | 6    | 8  | SHEAVE                                                 |
| 4    | 70044875 | 6    | 8  | BEARING, roller                                        |
| 5    | 70609388 | 2    | -  | SHAFT, sheave block                                    |
|      | 70619958 | -    | 2  | SHAFT, sheave block                                    |
|      | 70916244 | 2    | 2  | PIN, cotter, 3/8" x 5"                                 |
|      | 70914465 | 6    | 8  | FITTING, lubricating, 1/8"NPT                          |
| 6    | 70625975 | 1    | -  | CAPSCREW, lower sheave block positioning (4" long)     |
|      | 70615166 | -    | 1  | CAPSCREW, lower sheave block positioning (3-1/2" long) |
|      | 70912251 | 2    | 2  | NUT, jam, 1-1/4"NF                                     |
| 7    | 70609390 | 2    | 2  | PIN, sheave block suspension                           |
|      | 70916244 | 2    | 2  | PIN, cotter, 3/8" x 5"                                 |
| 8    | 70625604 | 1    | 1  | WEDGE, cable anchor, upper sheave block                |
| 9    | 70609224 | 1    | 1  | CABLE (1/2" diam. x 75" long)                          |

NOTE: Order rear corner sheave parts from Gar Wood Industries, Findlay, Ohio 45840



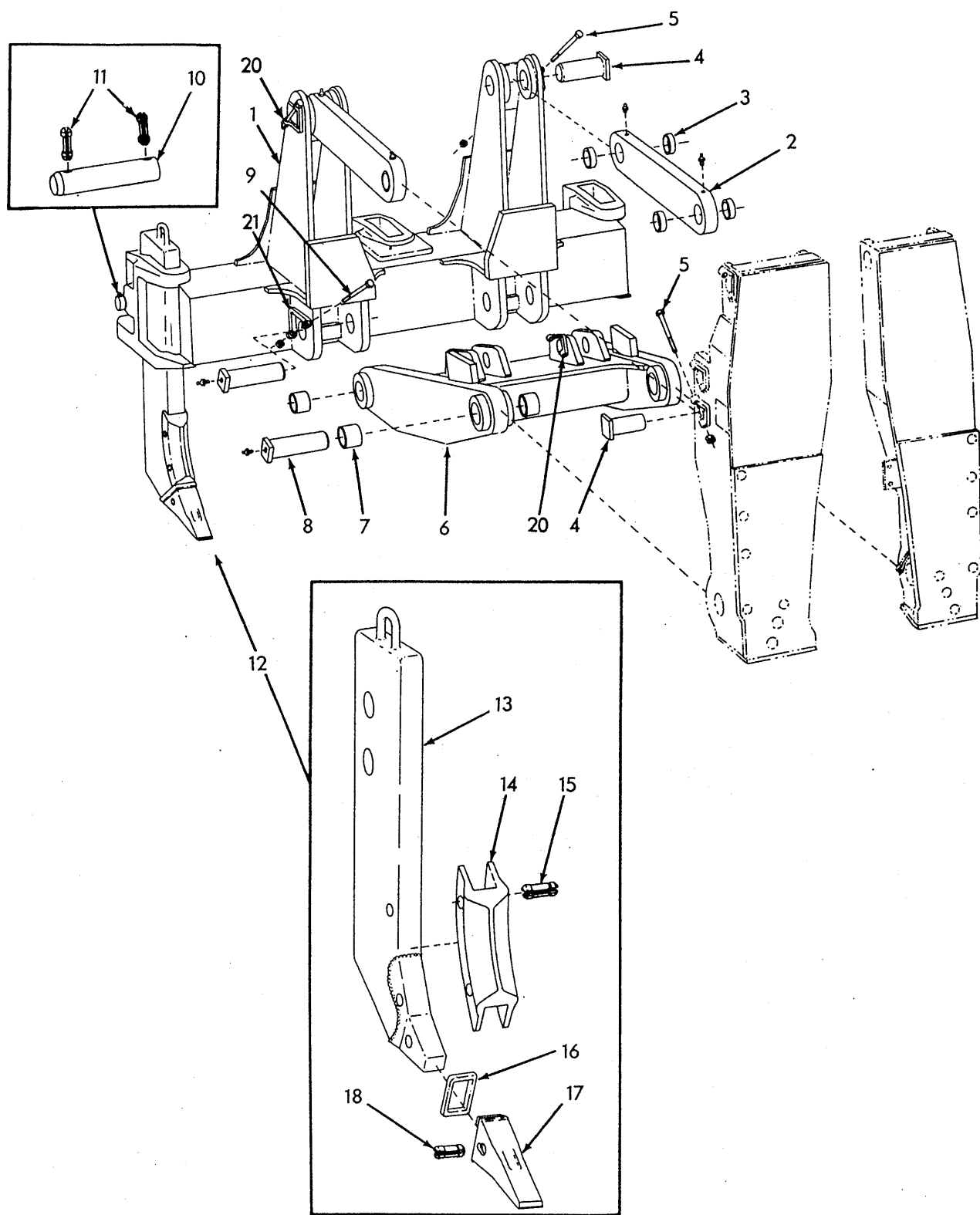
RIPPER MOUNTING FRAME

T-73612

| ITEM | PART NO. | QTY. | DESCRIPTION                                          |
|------|----------|------|------------------------------------------------------|
| 1    | 70683223 | 1    | FRAME, mounting, left side (Includes items 8 and 9)  |
| 2    | 70927355 | 6    | CAPSCREW, 1-1/4"NF x 3-1/4"                          |
|      | 70914730 | 6    | LOCKWASHER, 1-1/4"                                   |
| 3    | 70926857 | 3    | CAPSCREW, 1-1/2"NF x 4"                              |
|      | 70912603 | 3    | LOCKWASHER, 1-1/2"                                   |
| 4    | 70683224 | 1    | FRAME, mounting, right side (Includes items 8 and 9) |
| 5    | 70927355 | 6    | CAPSCREW, 1-1/4" NF x 3-1/4"                         |
|      | 70914730 | 6    | LOCKWASHER, 1-1/4"                                   |
| 6    | 70926857 | 3    | CAPSCREW, 1-1/2" x 4"                                |
|      | 70912603 | 3    | LOCKWASHER, 1-1/2"                                   |
| 7    | 70662243 | 1    | TRANSFER, installation torque data (Early units)     |
| 8    | 70648977 | 6    | STOP, pin                                            |
| 9    | 70647808 | 2    | STOP, pin                                            |

} Requires welding to install





TOOL BAR AND LINKAGE

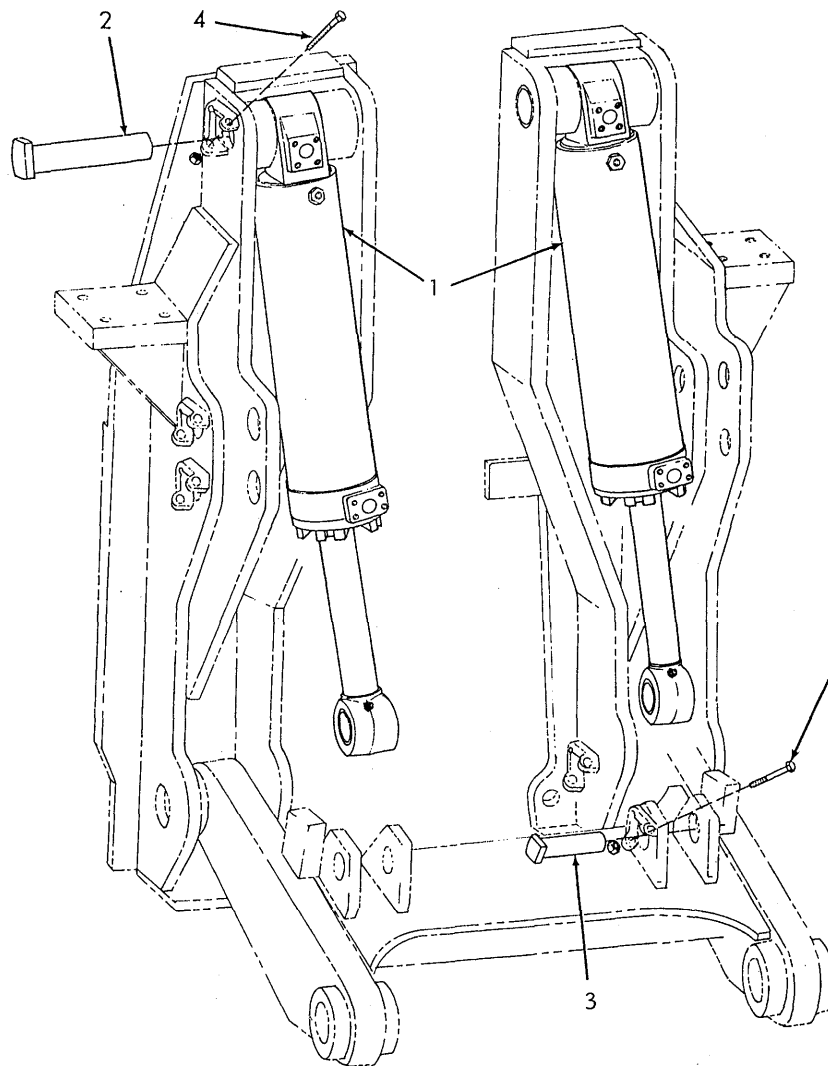
T-73613

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                                                                            |
|------|----------|------|----------------------------------------------------------------------------------------------------------------------------------------|
| 1    | 70649084 | 1    | BAR, tool (Includes items 20 and 21)                                                                                                   |
| 2    | 70648930 | 2    | STRUT ASSY., upper (Includes item 3)                                                                                                   |
|      | 70914465 | 4    | FITTING, lubricating, straight, 1/8"NPT                                                                                                |
| 3    | 70648909 | 8    | BUSHING, upper strut                                                                                                                   |
| 4    | 70648928 | 4    | PIN, upper strut                                                                                                                       |
| 5    | 70046590 | 4    | CAPSCREW, retaining, upper strut pin (1/2"NC x 5-1/4")                                                                                 |
|      | 70915972 | 4    | NUT, elastic stop, 1/2"NC                                                                                                              |
| 6    | 70649011 | 1    | BEAM ASSY., lower (Includes items 7 and 20)                                                                                            |
| 7    | 70651540 | 8    | BUSHING, lower beam                                                                                                                    |
| 8    | 70648944 | 4    | PIN, lower beam                                                                                                                        |
|      | 70912497 | 4    | FITTING, lubricating, straight, 1/4"NPT                                                                                                |
| 9    | 70918394 | 4    | CAPSCREW, retaining, lower beam pin (5/8"NC x 7")                                                                                      |
|      | 70914501 | 4    | NUT, elastic stop, 5/8"NC                                                                                                              |
| 10   | 70670920 | 3    | PIN, shank                                                                                                                             |
| 11   | 70667156 | 6    | PIN, shank retaining pin                                                                                                               |
| 12   | 70658078 | 3    | SHANK ASSY., ripper tooth (Includes items 13 thru 18)                                                                                  |
| 13   | 73127463 | 3    | SHANK                                                                                                                                  |
| 14   | 70657733 | 3    | <input type="checkbox"/> PLATE, wear, ripper shank                                                                                     |
| 15   | 70657736 | 6    | <input type="checkbox"/> PIN, Flex, 1" x 4-7/8"                                                                                        |
| 16   | 70657735 | 3    | <input type="checkbox"/> COLLAR, ripper tooth                                                                                          |
| 17   | 70657734 | 3    | <input type="checkbox"/> TOOTH, ripper shank                                                                                           |
| 18   | 70657737 | 3    | <input type="checkbox"/> PIN, tooth (Spirol, 7/8" x 4-1/2")                                                                            |
| 19   | 70656942 | 3    | SHANK REPAIR KIT (Includes parts for one (1) shank; items 14 thru 18; also special nose-piece, welding rod, template and instructions) |
| 20   | 70648977 | 4    | STOP                                                                                                                                   |
| 21   | 70647808 | 2    | STOP                                                                                                                                   |

} Requires welding to install

☐ Components of item 19

(Revised April 1981)

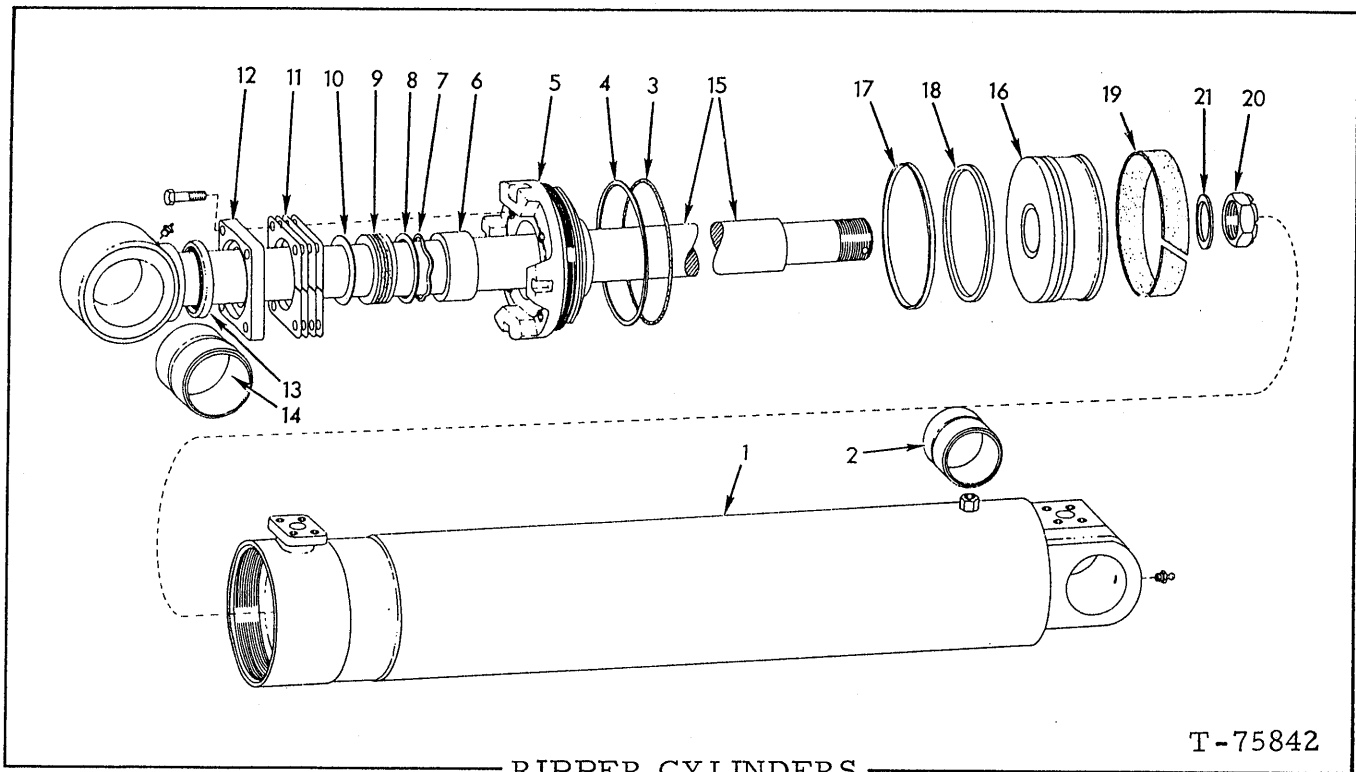


RIPPER CYLINDER MOUNTING

T-73614

| ITEM | PART NO. | QTY. | DESCRIPTION                               |
|------|----------|------|-------------------------------------------|
| 1    | -----    | 2    | CYLINDER ASSY. (See page 292)             |
| 2    | 70648937 | 2    | PIN, cylinder pivot, upper                |
| 3    | 70648928 | 2    | PIN, cylinder pivot, lower                |
| 4    | 70046590 | 4    | CAPSCREW, pin retaining (1/2"NC x 5-1/4") |
|      | 70915972 | 4    | NUT, elastic stop, 1/2"NC                 |





USAGE: See page 290

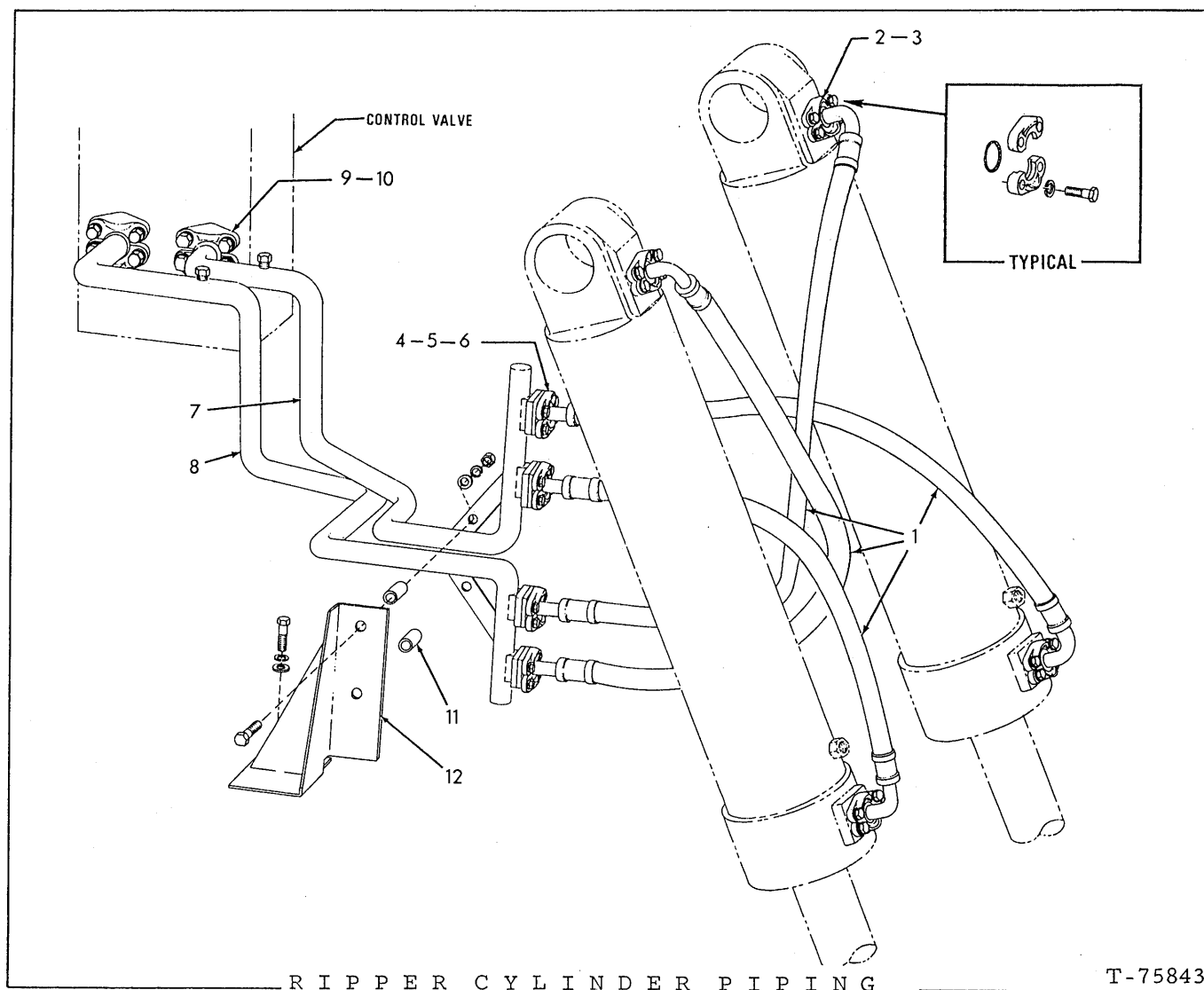
| ITEM | PART NO. | QTY. | DESCRIPTION                                                   |
|------|----------|------|---------------------------------------------------------------|
| -    | 73052983 | 2    | CYLINDER ASSY. (Includes items 1 thru 21)                     |
| 1    | 73052982 | 2    | CYLINDER ASSY. (Includes item 2)                              |
|      | 70914465 | 2    | FITTING, lubricating, straight, 1/8"NPT                       |
| 2    | 70650592 | 2    | BUSHING                                                       |
| 3    | 70924138 | 2    | <input type="checkbox"/> O-RING                               |
| 4    | 70926637 | 2    | <input type="checkbox"/> RING                                 |
| 5    | 73054424 | 2    | HEAD (Early units)                                            |
|      | 73062208 | 2    | HEAD (Late units)                                             |
| 6    | 73053885 | 2    | <input type="checkbox"/> BUSHING (Early units)                |
| 7    | -----    | 2    | SPRING                                                        |
| 8    | -----    | 2    | WASHER                                                        |
| 9    | 73053886 | 2    | <input type="checkbox"/> PACKING SET (Includes items 7 and 8) |
| 10   | 73054485 | 2    | <input type="checkbox"/> WASHER                               |
| 11   | 73054486 | 8    | <input type="checkbox"/> SHIM (Use as required)               |
| 12   | 73051194 | 2    | PLATE                                                         |
|      | 70914847 | 8    | CAPSCREW, drilled-hd., 3/8"NC x 1-1/2"                        |
|      | 70904206 | 8    | LOCKWASHER, 3/8"                                              |
| 13   | 73052879 | 2    | SEAL                                                          |
| 14   | 70649261 | 2    | BUSHING                                                       |

(Continued)

R I P P E R C Y L I N D E R S (Continued)

| ITEM | PART NO.        | QTY. | DESCRIPTION                                                                    |
|------|-----------------|------|--------------------------------------------------------------------------------|
| 15   | 73052980        | 2    | ROD ASSY., piston (Includes item 14)                                           |
|      | 70914465        | 2    | FITTING, lubricating, straight, 1/8"NPT                                        |
| 16   | 73053360        | 2    | PISTON ASSY. (Includes items 17 thru 19)                                       |
| 17   | 73053357        | 2    | <input type="checkbox"/> RING, piston sealing (outer)                          |
| 18   | 70926865        | 2    | <input type="checkbox"/> RING, piston sealing (inner)                          |
| 19   | 73053359        | 2    | RING, piston wear                                                              |
| 20   | <b>73073212</b> | 2    | NUT, piston rod                                                                |
| 21   | 73053977        | 2    | SPACER, piston rod nut                                                         |
| 22   | 73054598        | 2    | REPAIR KIT, cylinder (Includes parts for one (1) cylinder<br>(Not illustrated) |
|      |                 |      | <input type="checkbox"/> Components of item 22                                 |

(Revised September 1979)



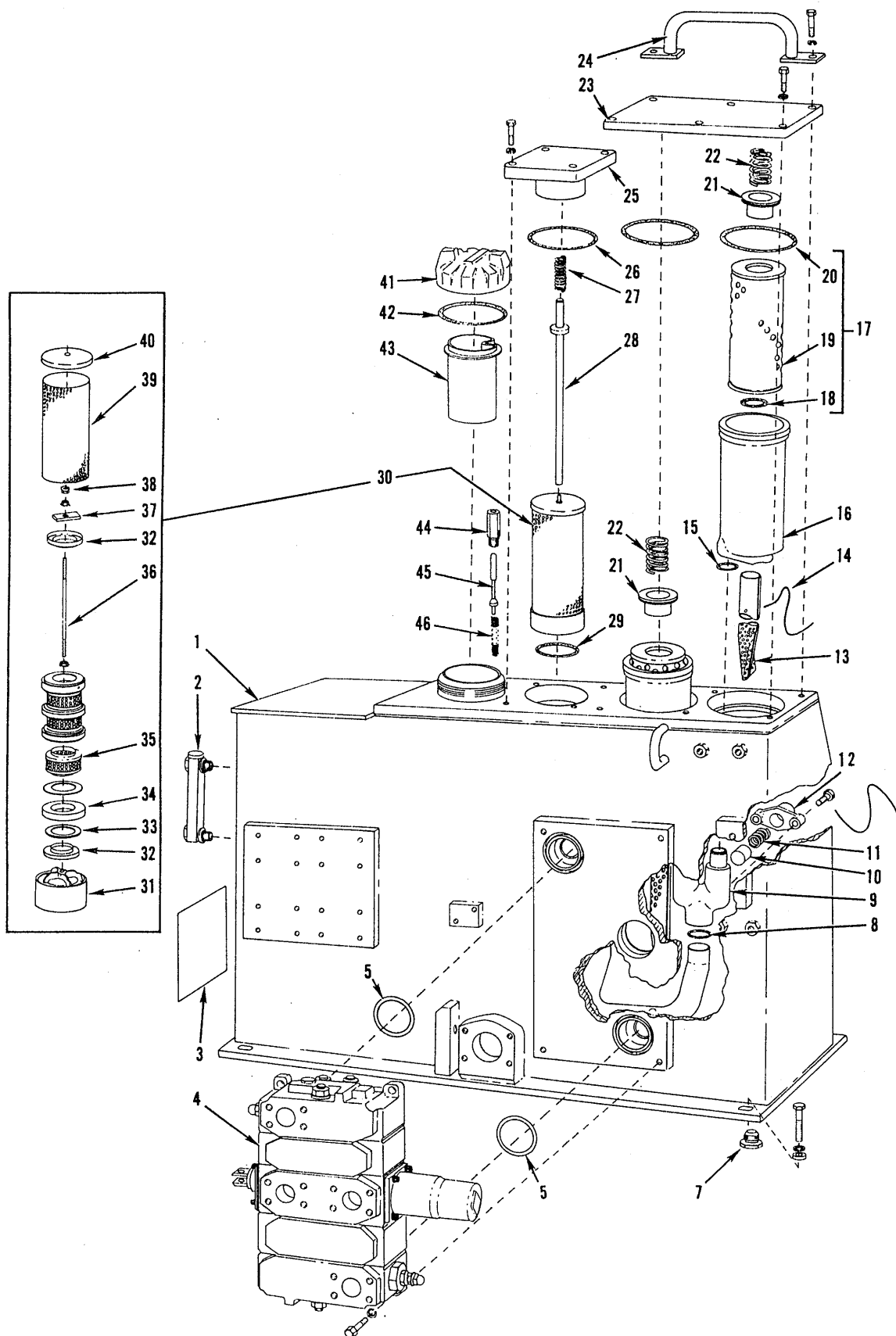
| ITEM | PART NO. | QTY. | DESCRIPTION                                                    |
|------|----------|------|----------------------------------------------------------------|
| 1    | 70662265 | 2    | HOSE, cylinder (top connection)                                |
|      | 70662264 | 2    | HOSE, cylinder (bottom connection)                             |
| 2    | 70921116 | 8    | FLANGE, hose connection at cylinder end (half only)            |
|      | 70916272 | 16   | CAPSCREW, 3/8"NF x 1-1/4"                                      |
|      | 70904206 | 16   | LOCKWASHER, 3/8"                                               |
| 3    | 70924200 | 4    | O-RING, hose connections at cylinder end                       |
| 4    | 70921115 | 8    | FLANGE, hose connecting (half only)                            |
|      | 70916272 | 16   | CAPSCREW, 3/8"NC x 1-1/4"                                      |
|      | 70904206 | 16   | LOCKWASHER, 3/8"                                               |
| 5    | 70924110 | 4    | O-RING, hose connections at tube end                           |
| 6    | 70666575 | 4    | PLUG, closure (Used only when cylinder lines are disconnected) |

(Continued)

## R I P P E R C Y L I N D E R P I P I N G (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                          |
|------|----------|------|--------------------------------------|
| 7    | 70662230 | 1    | TUBE, raise line                     |
|      | 70921467 | 1    | CAP, flare fitting, 1/4" tube        |
|      | 70916316 | 1    | CAPSCREW, 1/2"NC x 2-1/2"            |
|      | 70064531 | 1    | WASHER, plain                        |
|      | 70904208 | 1    | LOCKWASHER, 1/2"                     |
|      | 70911028 | 1    | NUT, 1/2"NC                          |
| 8    | 70662231 | 1    | TUBE, drop line                      |
|      | 70921467 | 1    | CAP, flare fitting, 1/4" tube        |
|      | 70916316 | 1    | CAPSCREW, 1/2"NC x 2-1/2"            |
|      | 70064531 | 1    | WASHER, plain                        |
|      | 70904208 | 1    | LOCKWASHER, 1/2"                     |
|      | 70911028 | 1    | NUT, 1/2"NC                          |
| 9    | 70921117 | 4    | FLANGE, tube connecting              |
|      | 70916191 | 8    | CAPSCREW, 7/16"NC x 1-1/2"           |
|      | 70904207 | 8    | LOCKWASHER, 7/16"                    |
| 10   | 70924192 | 2    | O-RING, tube connection at valve end |
| 11   | 70097413 | 2    | BLOCK, tube spacing                  |
| 12   | 70670360 | 1    | BRACKET, tube supporting             |
|      | 70915779 | 2    | CAPSCREW, 1/2"NF x 2"                |
|      | 70064531 | 2    | WASHER, plain                        |
|      | 70904208 | 2    | LOCKWASHER, 1/2"                     |





HYDRAULIC TANK AND CONTROL VALVE

T-75426

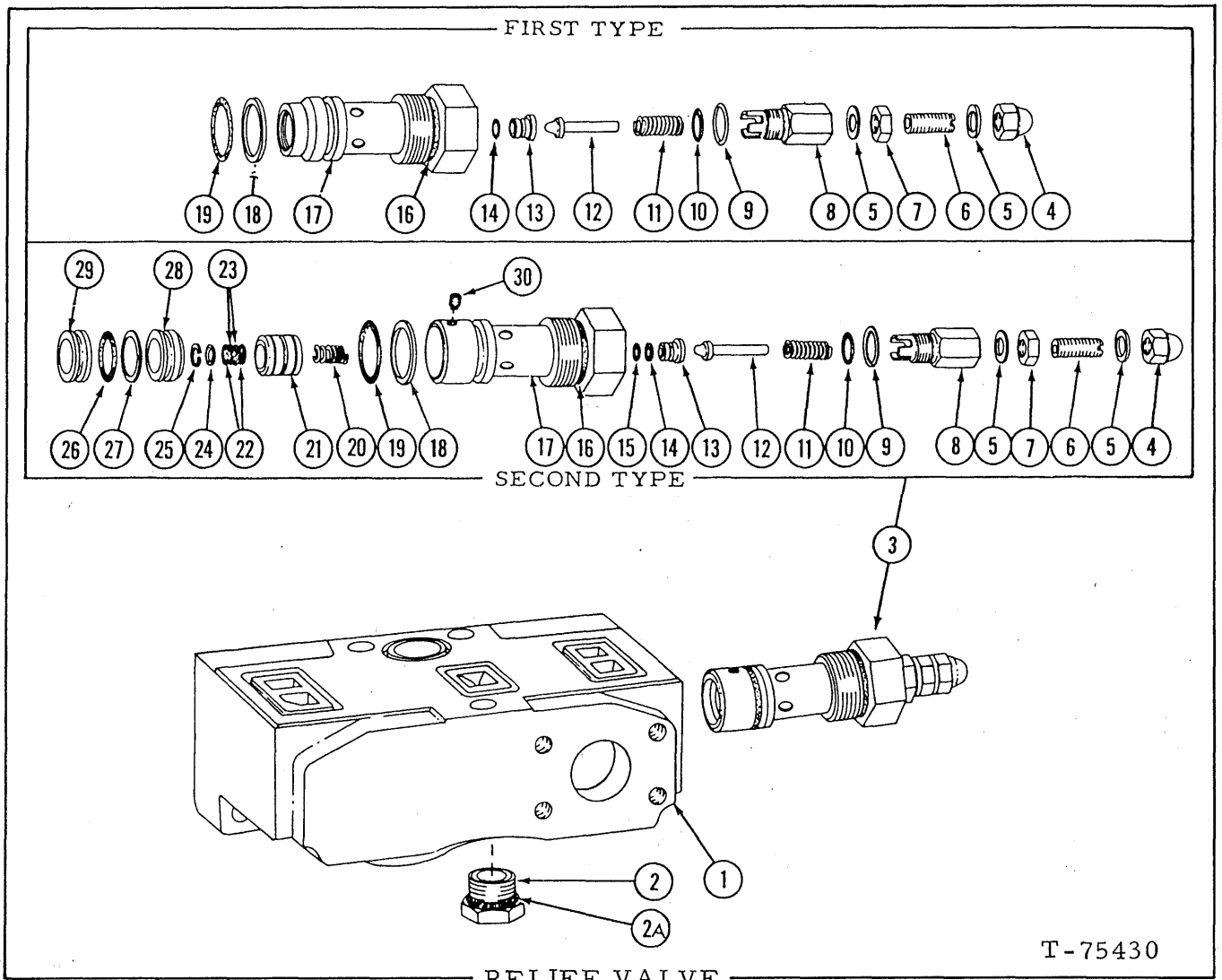
# HYDRAULIC TANK AND CONTROL VALVE

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                                                           |
|------|----------|------|-----------------------------------------------------------------------------------------------------------------------|
| 1    | 70670280 | 1    | TANK                                                                                                                  |
|      | 70923881 | 5    | CAPSCREW, 5/8"NC x 2"                                                                                                 |
|      | 70677010 | 5    | WASHER                                                                                                                |
| 2    | 70666282 | 1    | GAUGE (Tractors prior to unit #14609)(Includes Capscrews and Gaskets)                                                 |
|      | 70678984 | 1    | GAUGE (Tractor unit #14609 and up)(Includes Capscrews and Gaskets)                                                    |
| 3    | 70667810 | 1    | TRANSFER                                                                                                              |
| 4    | 70660647 | 1    | VALVE ASSY. (Standard. Tractors prior to unit #12714)(For operating dozer only)(See page 301)                         |
|      | 70686090 | 1    | VALVE ASSY. (Standard. Tractors unit #12714 thru #14987)(For operating dozer only)(See page 301)                      |
|      | 73110106 | 1    | VALVE ASSY. (Standard. Tractors unit #14988 thru #15344)(For operating dozer only)(See page 301)                      |
|      | 73123044 | 1    | VALVE ASSY. (Standard. Tractors unit #15345 and up) (For operating dozer only)(See page 301A)                         |
|      | 70665122 | 1    | VALVE ASSY. (Special. For operating dozer and ripper)(See page 301)                                                   |
|      | 70665121 | 1    | VALVE ASSY. (Special. For operating dozer and hydraulic tilt)(See page 301)                                           |
|      | 70662085 | 1    | VALVE ASSY. (Special. Tractors prior to unit #12714) (For operating dozer, ripper and hydraulic tilt) (See page 301)  |
|      | 70686070 | 1    | VALVE ASSY. (Special. Tractors unit #12714 thru #14951)(For operating dozer, ripper and hydraulic tilt)(See page 301) |
|      | 73110105 | 1    | VALVE ASSY. (Special. Tractors unit #14952 and up) (For operating dozer, ripper and hydraulic tilt) (See page 301)    |
|      | 70916316 | 4    | CAPSCREW, 1/2"NC x 2-1/2"                                                                                             |
|      | 70912441 | 4    | LOCKWASHER, 1/2"                                                                                                      |
| 5    | 70927464 | 2    | O-RING                                                                                                                |
| 7    | 70924692 | 1    | PLUG                                                                                                                  |
| 8    | 70923850 | 1    | O-RING                                                                                                                |
| 9    | 70667727 | 1    | ADAPTER ASSY. (Serviced only as a unit)                                                                               |
| 10   | 70647151 | 1    | VALVE                                                                                                                 |
| 11   | 70647108 | 1    | SPRING                                                                                                                |
| 12   | 70647122 | 1    | CAP                                                                                                                   |
|      | 70033182 | 2    | CAPSCREW, drilled-hd., 3/8"NC x 1-1/2"                                                                                |
|      | 70023633 | 1    | WIRE, locking, 1/16" x 12"                                                                                            |
| 13   | 70665841 | 2    | TUBE                                                                                                                  |
| 14   | 70023633 | 2    | WIRE                                                                                                                  |
| 15   | 70923948 | 2    | O-RING                                                                                                                |
| 16   | 70660769 | 2    | HOUSING                                                                                                               |
| 17   | 70665859 | 1    | ELEMENT KIT (Consists of 2 elements and items 18 and 20)                                                              |
| 18   | 70923664 | 2    | O-RING                                                                                                                |
| 19   | -----    | 2    | ELEMENT (Order item 17)                                                                                               |
| 20   | 70924691 | 2    | O-RING                                                                                                                |
| 21   | 70665879 | 2    | CAP (Includes bonded gasket)                                                                                          |
| 22   | 70665886 | 2    | SPRING                                                                                                                |

(Continued)

## HYDRAULIC TANK AND CONTROL VALVE (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                                                  |
|------|----------|------|------------------------------------------------------------------------------|
| 23   | 70655084 | 1    | COVER, filters                                                               |
|      | 70916272 | 4    | CAPSCREW, 3/8"NC x 1-1/4"                                                    |
|      | 70910287 | 4    | LOCKWASHER, 3/8"                                                             |
| 24   | 70666215 | 1    | HANDLE, grab                                                                 |
|      | 70914847 | 2    | CAPSCREW, 3/8"NC x 1-1/2" } Also attach                                      |
|      | 70910287 | 2    | LOCKWASHER, 3/8" } filter cover                                              |
| 25   | 70665763 | 1    | COVER, contaminant separator                                                 |
|      | 70916272 | 4    | CAPSCREW, 3/8"NC x 1-1/4"                                                    |
|      | 70910287 | 4    | LOCKWASHER, 3/8"                                                             |
| 26   | 70924153 | 1    | O-RING, separator cover                                                      |
| 27   | 70098292 | 1    | SPRING, contaminant rod                                                      |
| 28   | 70670697 | 1    | ROD, contaminant separator                                                   |
| 29   | 70923581 | 1    | O-RING, contaminant separator (Early units)                                  |
| 30   | 70670698 | 1    | SEPARATOR ASSY., contaminant, suction line<br>(Consists of items 31 thru 40) |
| 31   | 70670741 | 1    | HEAD, contaminant separator                                                  |
| 32   | 70666388 | 2    | SPACER, contaminant separator (end)                                          |
| 33   | 70666387 | 8    | PLATE, contaminant separator                                                 |
| 34   | 70666385 | 4    | MAGNET, contaminant separator                                                |
| 35   | 70666383 | 3    | SPACER, contaminant separator (perforated)                                   |
| 36   | 70670699 | 1    | TIE-ROD, contaminant separator                                               |
| 37   | 70666382 | 1    | BRIDGE, contaminant separator                                                |
| 38   | 70666565 | 4    | NUT, contaminant separator                                                   |
| 39   | 70666384 | 1    | SLEEVE, contaminant separator                                                |
| 40   | 70670735 | 1    | PLATE, top, contaminant separator                                            |
| 41   | 70665726 | 1    | CAP, oil filler                                                              |
| 42   | 70923950 | 1    | O-RING, oil filler cap                                                       |
| 43   | 70671325 | 1    | STRAINER, filler                                                             |
| 44   | 70666634 | 1    | GUIDE, filler pressure release valve                                         |
| 45   | 70665767 | 1    | PLUNGER, filler pressure release valve                                       |
| 46   | 70666654 | 1    | SPRING, filler pressure release valve                                        |



T-75430

RELIEF VALVE

USAGE: See page 301 and 301A

\*Valve Assembly 70664533 (First type)

\*\*Valve Assembly 70664533 (Second type)

\*\*\*Valve Assembly 73122965

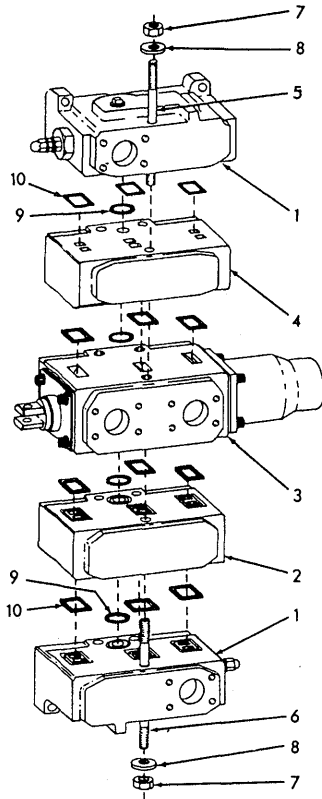
| ITEM | PART NO. | QUANTITY |    |     | DESCRIPTION                                           |
|------|----------|----------|----|-----|-------------------------------------------------------|
|      |          | *        | ** | *** |                                                       |
| 1    | -----    | 1        | 1  | 1   | HOUSING (Not serviced separately)                     |
| 2    | 70921204 | 1        | -  | -   | PLUG (Includes item 2A)                               |
|      | 70924102 | -        | 1  | 1   | PLUG                                                  |
| 2A   | 70921206 | 1        | -  | -   | O-RING                                                |
| 3    | 70669198 | 1        | -  | -   | VALVE ASSY. (Includes items 4 thru 14 and 16 thru 19) |
|      | 70683795 | -        | 1  | -   | VALVE ASSY. }                                         |
|      | 73122964 | -        | -  | 1   | VALVE ASSY. } Each includes items 4 thru 30           |
| 4    | 70916559 | 1        | 1  | 1   | NUT (3/8"NF acorn)                                    |
| 5    | 70668552 | 2        | 2  | 2   | GASKET                                                |
| 6    | 70668550 | 1        | 1  | 1   | SCREW                                                 |
| 7    | 70910329 | 1        | 1  | 1   | NUT, jam, 3/8"NF                                      |
| 8    | 70668551 | 1        | 1  | 1   | RETAINER                                              |
| 9    | 70668548 | 1        | 1  | 1   | GASKET                                                |

(Continued)

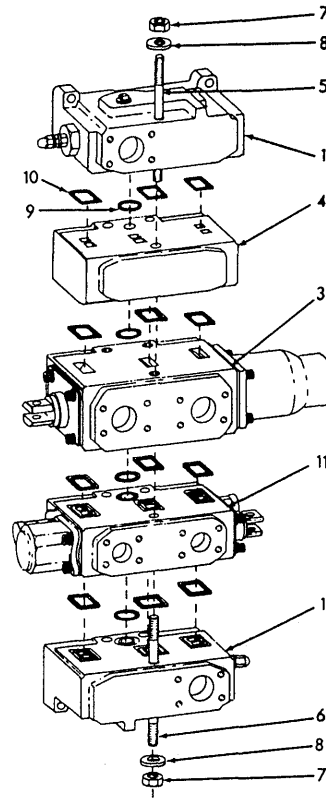
## RELIEF VALVE (Continued)

| ITEM | PART NO. | QUANTITY |    |     | DESCRIPTION                               |
|------|----------|----------|----|-----|-------------------------------------------|
|      |          | *        | ** | *** |                                           |
| 10   | 70923846 | 1        | 1  | -   | O-RING                                    |
|      | 70926842 | -        | -  | 1   | O-RING                                    |
| 11   | 70668555 | 1        | -  | -   | SPRING                                    |
|      | 70684439 | -        | 1  | 1   | SPRING                                    |
| 12   | 70669188 | 1        | 1  | 1   | POPPET                                    |
| 13   | 70669189 | 1        | -  | -   | SEAT                                      |
|      | 70684438 | -        | 1  | 1   | SEAT                                      |
| 14   | 70926356 | 1        | 1  | -   | O-RING                                    |
|      | 70926841 | -        | -  | 1   | O-RING                                    |
| 15   | 70684416 | -        | 1  | 1   | RING                                      |
| 16   | 70924270 | 1        | 1  | -   | O-RING                                    |
|      | 70925934 | -        | -  | 1   | O-RING                                    |
| 17   | -----    | 1        | 1  | 1   | CARTRIDGE ASSY. (Not serviced separately) |
| 18   | 70658245 | 1        | 1  | 1   | RING                                      |
| 19   | 70924696 | 1        | 1  | -   | O-RING                                    |
|      | 70925933 | -        | -  | 1   | O-RING                                    |
| 20   | 70684435 | -        | 1  | 1   | SPRING                                    |
| 21   | -----    | -        | 1  | 1   | POPPET (Not serviced separately)          |
| 22   | 70684408 | -        | 2  | 2   | SCREEN (30 mesh)                          |
| 23   | 70684409 | -        | 2  | 2   | SCREEN (100 mesh)                         |
| 24   | 70684410 | -        | 1  | 1   | SPACER                                    |
| 25   | 70927685 | -        | 1  | 1   | RING, snap                                |
| 26   | 70924774 | -        | 1  | -   | O-RING                                    |
|      | 70925931 | -        | -  | 1   | O-RING                                    |
| 27   | 70684411 | -        | 1  | 1   | RING                                      |
| 28   | 70684436 | -        | 1  | 1   | SEAT                                      |
| 29   | 70684437 | -        | 1  | 1   | RETAINER                                  |
| 30   | 70684413 | -        | 2  | 2   | SETSCREW                                  |

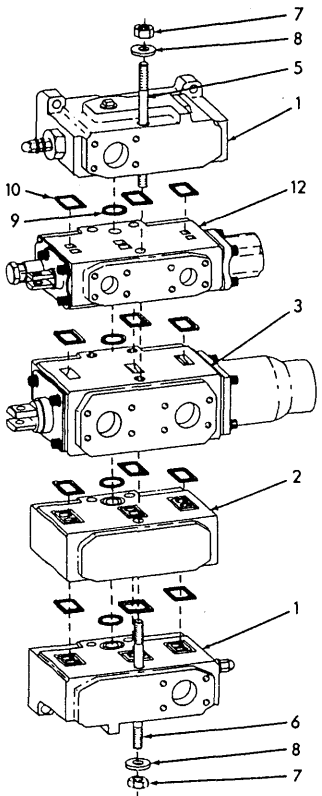
VALVE ASSY. 70660647, 70686090, 73110106



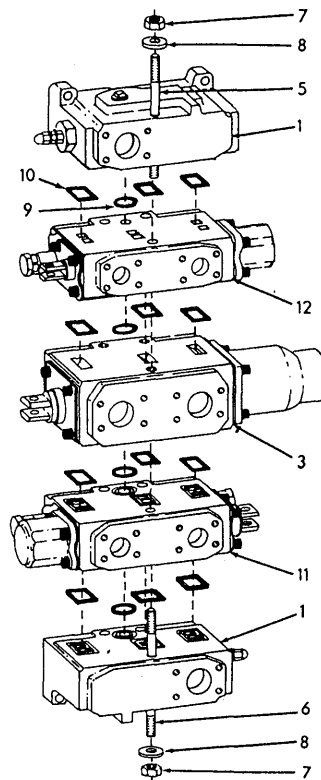
VALVE ASSY. 70665122



VALVE ASSY. 70665121



VALVE ASSY. 70662085, 70686070, 73110105



CONTROL VALVES

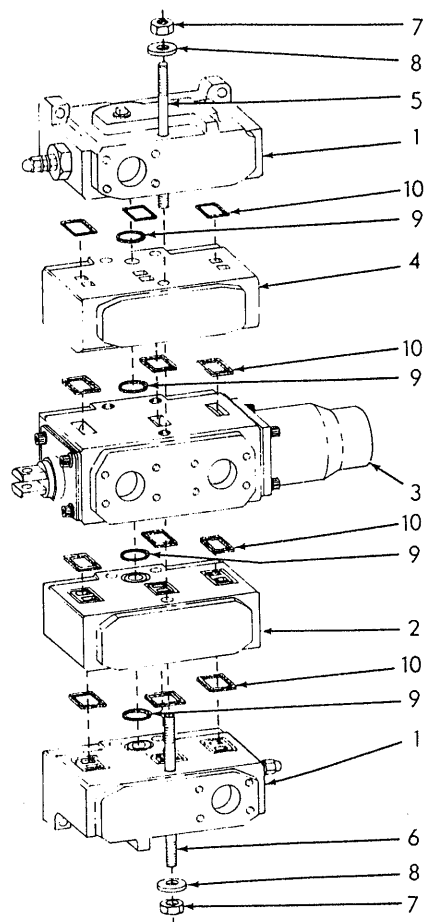
T-75429

## CONTROL VALVES

|                                          |                |
|------------------------------------------|----------------|
| * 70660647 VALVE ASSEMBLY                | } See page 297 |
| ** 70665122 VALVE ASSEMBLY               |                |
| △ 70665121 VALVE ASSEMBLY                |                |
| △△ 70662085 VALVE ASSEMBLY               |                |
| □ 70686070 VALVE ASSEMBLY (First Type)   |                |
| □ 73110105 VALVE ASSEMBLY (Second Type)  |                |
| □□ 70686090 VALVE ASSEMBLY (First Type)  |                |
| □□ 73110106 VALVE ASSEMBLY (Second Type) |                |

| ITEM | PART NO. | QUANTITY |    |    |    |    |    | DESCRIPTION                                          |
|------|----------|----------|----|----|----|----|----|------------------------------------------------------|
|      |          | *        | ** | △  | △△ | □  | □□ |                                                      |
| 1    | 70664533 | 2        | 2  | 2  | 2  | 2  | 2  | VALVE ASSY., relief (See page 299 for parts)         |
| 2    | 70663725 | 1        | -  | 1  | -  | -  | -  | SPACER                                               |
|      | 70696088 | -        | -  | -  | -  | -  | 1  | SPACER                                               |
| 3    | 70664566 | 1        | 1  | 1  | 1  | -  | -  | VALVE ASSY., dozer control                           |
|      | 70686100 | -        | -  | -  | -  | 1  | 1  | VALVE ASSY., dozer control (First type)              |
|      | 73109998 | -        | -  | -  | -  | 1  | 1  | VALVE ASSY., dozer control (Second type)             |
| 4    | 70664067 | 1        | 1  | -  | -  | -  | 1  | SPACER                                               |
| 5    | 70664748 | 3        | 3  | 3  | 3  | 3  | 3  | STUD (7-1/2" long)                                   |
| 6    | 70664747 | 3        | 3  | 3  | 3  | 3  | 3  | STUD (7-7/8" long)                                   |
| 7    | 70668231 | 6        | 6  | 6  | 6  | 6  | 6  | NUT (5/8" NC)                                        |
| 8    | 70659494 | 6        | 6  | 6  | 6  | 6  | 6  | WASHER                                               |
| 9    | 70659496 | 4        | 4  | 4  | 4  | 4  | 4  | RING                                                 |
| 10   | 70659497 | 12       | 12 | 12 | 12 | 12 | 12 | RING                                                 |
| 11   | 70655655 | -        | 1  | -  | 1  | 1  | -  | VALVE ASSY., ripper control (See page 302 for parts) |
| 12   | 70660869 | -        | -  | 1  | 1  | -  | -  | VALVE ASSY., dozer tilt control                      |
|      | 70685999 | -        | -  | -  | -  | 1  | -  | VALVE ASSY., dozer tilt control                      |

(Revised April 1981)



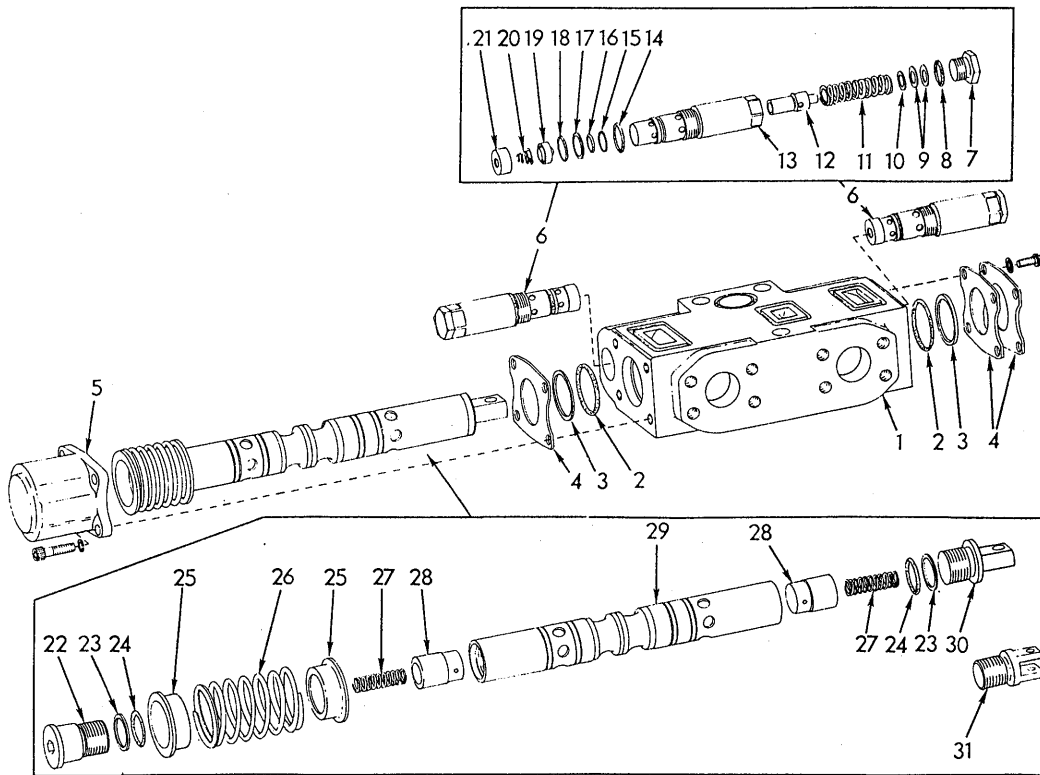
CONTROL VALVE

T-75429

USAGE: See page 297

| ITEM | PART NO. | QTY. | DESCRIPTION                               |
|------|----------|------|-------------------------------------------|
| -    | 73123044 | 1    | VALVE ASSY. (Includes items 1 thru 8)     |
| 1    | 73122965 | 2    | VALVE ASSY., relief (See page 299)        |
| 2    | 73123042 | 1    | SPACER                                    |
| 3    | 73122983 | 1    | VALVE ASSY., dozer control (See page 304) |
| 4    | 73123034 | 1    | SPACER                                    |
| 5    | 70664748 | 3    | STUD (7-1/2" long)                        |
| 6    | 70664747 | 3    | STUD (7-7/8" long)                        |
| 7    | 70668231 | 6    | NUT (5/8"NC)                              |
| 8    | 70659494 | 6    | WASHER                                    |
| 9    | 70925937 | 4    | O-RING                                    |
| 10   | 70925938 | 12   | O-RING                                    |





CONTROL VALVE PARTS

T-75431

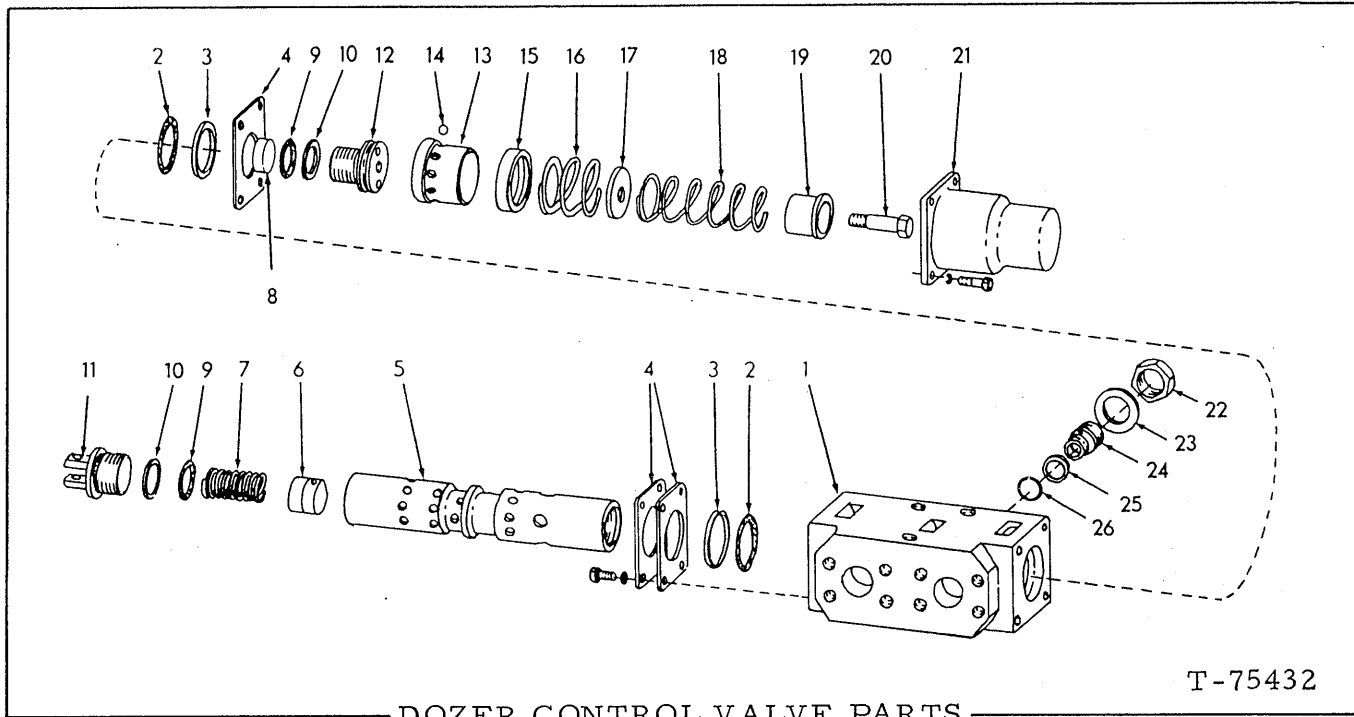
\* 70660869 VALVE ASSEMBLY, tilt control  
 \*\* 70685999 VALVE ASSEMBLY, tilt control  
 \*\*\* 70655655 VALVE ASSEMBLY, ripper control } See page 301

| ITEM | PART NO. | QUANTITY | DESCRIPTION                                   |
|------|----------|----------|-----------------------------------------------|
|      |          | * ** *** |                                               |
| 1    | -----    | 1 1 1    | HOUSING (Not serviced separately)             |
| 2    | 70676693 | 2 - -    | O-RING                                        |
|      | 70923813 | - 2 -    | O-RING                                        |
|      | 70676692 | - - 2    | O-RING                                        |
| 3    | 70664462 | 2 2 -    | RING                                          |
|      | 70658284 | - - 2    | RING                                          |
| 4    | 70664464 | 3 3 -    | PLATE                                         |
|      | 70658286 | - - 3    | PLATE                                         |
|      | 70925192 | 4 4 4    | CAPSCREW, socket-hd., 5/16"NC x 5/8"          |
|      | 70906959 | 4 4 4    | LOCKWASHER, internal teeth, 5/16"             |
| 5    | 70664456 | 1 1 -    | CAP                                           |
|      | 70658282 | - - 1    | CAP                                           |
|      | 70926269 | 4 4 4    | CAPSCREW, socket-hd., 5/16"NC x 1-1/4"        |
|      | 70904205 | 4 4 4    | LOCKWASHER, 5/16"                             |
| 6    | 70658466 | 2 - 2    | VALVE ASSY., relief, } Each consists of items |
|      | 70671986 | - 2 -    | VALVE ASSY., relief } 7 thru 21               |

(Continued)

# CONTROL VALVE PARTS (Continued)

| ITEM | PART NO. | QUANTITY |    |     | DESCRIPTION                                       |
|------|----------|----------|----|-----|---------------------------------------------------|
|      |          | *        | ** | *** |                                                   |
| 7    | 70658363 | 2        | 2  | 2   | CAP                                               |
| 8    | 70923379 | 2        | 2  | 2   | O-RING (1" O.D.)                                  |
| 9    | 70658360 | 1        | 1  | 1   | WASHER (1/64" thick) } Use as required            |
|      | 70911992 | 1        | 1  | 1   |                                                   |
| 10   | 70660792 | 1        | 1  | 1   | SHIM (.005" thick)                                |
| 11   | 70659555 | 2        | 2  | 2   | SPRING                                            |
| 12   | 70658364 | 2        | 2  | 2   | SEAT                                              |
| 13   | -----    | 2        | 2  | 2   | CARTRIDGE (Not serviced separately)               |
| 14   | 70924775 | 2        | 2  | 2   | O-RING (1-1/8" O.D.)                              |
| 15   | 70660793 | 2        | 2  | 2   | RING                                              |
| 16   | 70925081 | 2        | 2  | 2   | O-RING (3/4" O.D.)                                |
| 17   | 70665250 | 2        | 2  | 2   | RING                                              |
| 18   | 70924854 | 2        | 2  | 2   | O-RING (1" O.D.)                                  |
| 19   | 70658365 | 2        | 2  | 2   | BALL ASSY. (Serviced only as a unit)(Early Valve) |
|      | 73109599 | 2        | 2  | 2   | POPPET (Late Valves)                              |
| 20   | 70658361 | 2        | 2  | 2   | SPRING (Conical)(Early Valves)                    |
|      | 73109602 | 2        | 2  | 2   | SPRING (straight) (Late Valves)                   |
| 21   | 70665174 | 2        | 2  | 2   | CAP                                               |
| 22   | 70664458 | 1        | 1  | -   | BOLT                                              |
|      | 70658279 | -        | -  | 1   | BOLT                                              |
| 23   | 70664466 | 2        | 2  | -   | RING                                              |
|      | 70660780 | -        | -  | 2   | RING                                              |
| 24   | 70924922 | 2        | 2  | -   | O-RING                                            |
|      | 70925069 | -        | -  | 2   | O-RING                                            |
| 25   | 70664460 | 2        | 2  | -   | GUIDE                                             |
|      | 70658280 | -        | -  | 2   | GUIDE                                             |
| 26   | 70664461 | 1        | 1  | -   | SPRING                                            |
|      | 70659506 | -        | -  | 1   | SPRING                                            |
| 27   | 70665814 | 2        | 2  | -   | SPRING                                            |
|      | 70659504 | -        | -  | 2   | SPRING                                            |
| 28   | 70664459 | 2        | 2  | -   | VALVE                                             |
|      | 70658278 | -        | -  | 2   | VALVE                                             |
| 29   | -----    | 1        | 1  | 1   | PLUNGER (Not serviced separately)                 |
| 30   | 70658281 | -        | -  | 1   | CLEVIS                                            |
| 31   | 70665718 | 1        | 1  | -   | CLEVIS                                            |



T-75432

DOZER CONTROL VALVE PARTS

USAGE: See page 301 and 301A

\* 70664566 VALVE ASSY. (Commercial Shearing No. 12F163R)

\*\* { 70686100 VALVE ASSY. (First type)(Commercial Shearing No. 12F165R)  
73109998 VALVE ASSY. (Second type)(Commercial Shearing No. 12F168R)  
73122983 VALVE ASSY. (Third type)(Commercial Shearing No. 12F171R)

| ITEM | PART NO. | QTY. | DESCRIPTION |
|------|----------|------|-------------|
|      |          | *    | **          |

NOTE: Check Commercial Shearing No. for positive identification

|    |          |   |   |                                           |
|----|----------|---|---|-------------------------------------------|
| 1  | -----    | 1 | 1 | HOUSING (Not serviced separately)         |
| 2  | 70923580 | 2 | 2 | O-RING                                    |
| 3  | 70664577 | 2 | 2 | RING                                      |
| 4  | 70664575 | 3 | 3 | PLATE                                     |
|    | 70925640 | 4 | 4 | CAPSCREW, socket-hd., 5/16"NC x 3/4"      |
|    | 70910286 | 4 | 4 | LOCKWASHER, 5/16"                         |
| 5  | -----    | 1 | 1 | PLUNGER (Not serviced separately)         |
| 6  | 70664576 | 1 | - | VALVE                                     |
|    | 70680246 | - | 2 | VALVE                                     |
| 7  | 70664580 | 1 | - | SPRING                                    |
|    | 70680244 | - | 2 | SPRING                                    |
| 8  | 70680511 | - | 1 | SPACER                                    |
| 9  | 70927101 | 2 | 2 | O-RING (Not used on VALVE ASSY. 73122983) |
|    | 70933912 | - | 2 | O-RING (Used on VALVE ASSY. 73122983)     |
| 10 | 70664578 | 2 | 2 | RING (Not used on VALVE ASSY. 73122983)   |
|    | 73122982 | - | 2 | RING (Used on VALVE ASSY. 73122983)       |

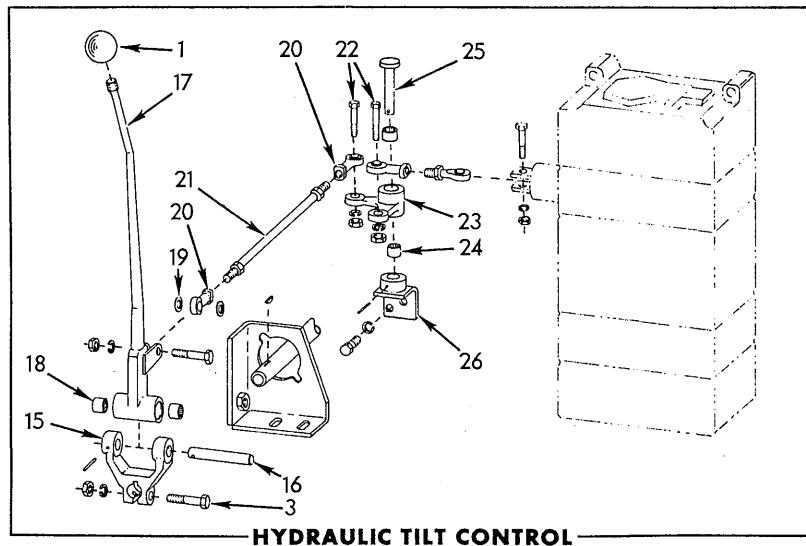
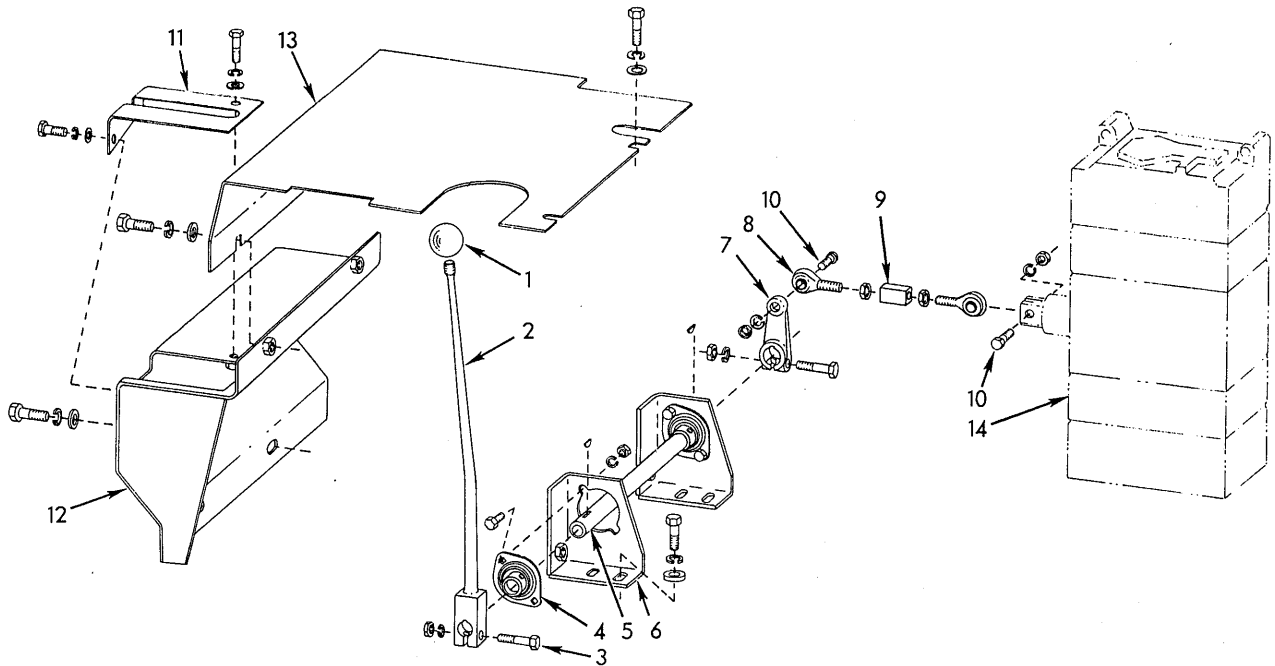
(Continued)

(Revised April 1981)

DOZER CONTROL VALVE PARTS (Continued)

| ITEM | PART NO. | QTY. |    | DESCRIPTION                            |
|------|----------|------|----|----------------------------------------|
|      |          | *    | ** |                                        |
| 11   | 70664567 | 1    | -  | CLEVIS                                 |
|      | 70680245 | -    | 1  | CLEVIS                                 |
| 12   | 70664570 | 1    | -  | DETENT                                 |
|      | 70680241 | -    | 1  | DETENT                                 |
| 13   | 70664571 | 1    | 1  | RETAINER                               |
| 14   | 70924855 | 6    | 6  | BALL, steel, 3/8" diam.                |
| 15   | 70664572 | 1    | 1  | SLEEVE                                 |
| 16   | 70664582 | 1    | 1  | SPRING                                 |
| 17   | 70664573 | 1    | 1  | WASHER                                 |
| 18   | 70664581 | 1    | 1  | SPRING                                 |
| 19   | 70664569 | 1    | 1  | GUIDE                                  |
| 20   | 70664574 | 1    | 1  | BOLT                                   |
| 21   | 70664568 | 1    | 1  | CAP                                    |
|      | 70926269 | 4    | 4  | CAPSCREW, socket-hd., 5/16"NC x 1-1/4" |
|      | 70910286 | 4    | 4  | LOCKWASHER, 5/16"                      |
| 22   | 70664588 | 1    | 1  | CAP                                    |
| 23   | 70664584 | 1    | 1  | GASKET                                 |
| 24   | 70693476 | 1    | 1  | SEAT ASSY. (Includes poppet)           |
| 25   | 70668840 | 1    | 1  | RING                                   |
| 26   | 70925638 | 1    | 1  | O-RING                                 |

} Not used on  
Valve Assy.  
73109998



VALVE CONTROLS

T-75813

USAGE: Tractors with hydraulic dozer

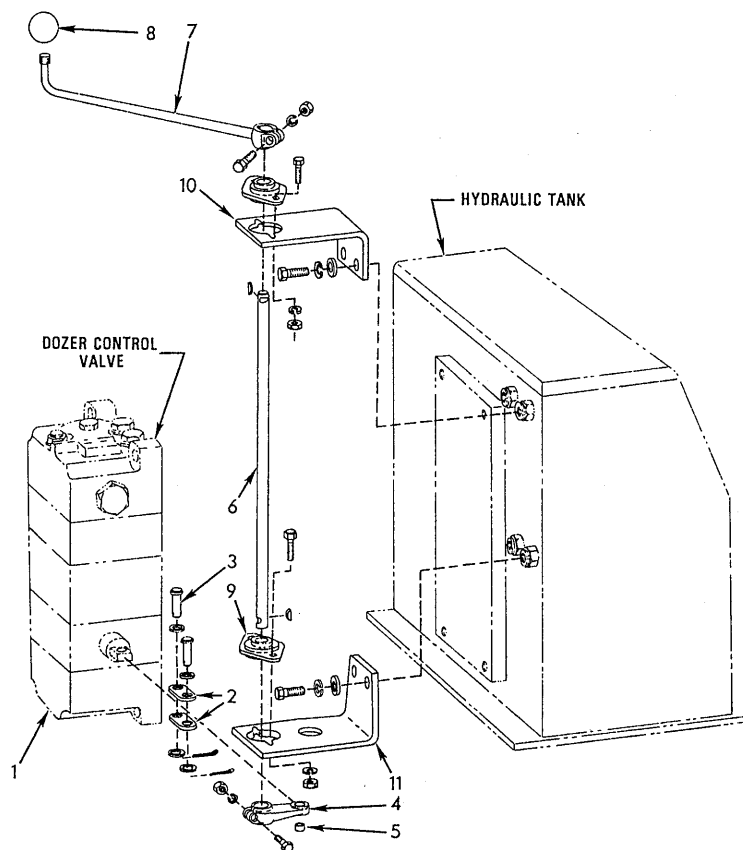
\* Units without hydraulic tilt  
\*\* Units with hydraulic tilt

| ITEM | PART NO. | QTY. |    | DESCRIPTION                                    |
|------|----------|------|----|------------------------------------------------|
|      |          | *    | ** |                                                |
| 1    | 70090020 | 1    | 1  | KNOB, operating lever                          |
| 2    | 70662156 | 1    | -  | LEVER, operating                               |
| 3    | 70922287 | 2    | 3  | CAPSCREW, operating lever (3/8"NC x 1-3/4")    |
|      | 70910287 | 2    | 3  | LOCKWASHER, 3/8"                               |
|      | 70911026 | 2    | 3  | NUT, 3/8"NC                                    |
| 4    | 70666630 | 2    | 2  | BEARING, operating lever shaft (self-aligning) |
|      | 70927373 | 4    | 4  | CAPSCREW, 5/16"NC x 7/8"                       |
|      | 70677005 | 4    | 4  | WASHER                                         |
|      | 70911025 | 4    | 4  | NUT, 5/16"NC                                   |
| 5    | 70662191 | 1    | 1  | SHAFT, operating lever                         |
|      | 70905122 | 2    | 2  | KEY, #7 woodruff, 1/8" x 3/4"                  |
| 6    | 70659345 | 2    | 2  | BRACKET, operating lever shaft                 |
|      | 70920582 | 4    | 4  | CAPSCREW, 1/2"NC x 1-3/8"                      |
|      | 70677008 | 4    | 4  | WASHER, plain                                  |
| 7    | 70617648 | 1    | 1  | LEVER, valve operating                         |
| 8    | 70639916 | 2    | 3  | END, ball (male thread)                        |
|      | 70911041 | 2    | 3  | NUT, 3/8"NF                                    |
| 9    | 70082366 | 1    | 1  | BLOCK, adjusting                               |
| 10   | 70921565 | 2    | 2  | CAPSCREW, ball end (3/8"NC x 1-1/2")           |
|      | 70910287 | 2    | 2  | LOCKWASHER, 3/8"                               |
|      | 70911026 | 2    | 2  | NUT, 3/8"NC                                    |
| 11   | 70660103 | 1    | -  | GUIDE, operating lever                         |
|      | 70916271 | 2    | -  | CAPSCREW, 3/8"NC x 1"                          |
|      | 70910287 | 2    | -  | LOCKWASHER, 3/8"                               |
|      | 70044973 | 2    | -  | WASHER, plain                                  |
| 12   | 70669739 | 1    | 1  | COVER, valve, front                            |
|      | 70927172 | 2    | 2  | CAPSCREW, 1/2"NC x 1-1/8"                      |
|      | 70677008 | 2    | 2  | WASHER, plain                                  |
| 13   | 70665635 | 1    | 1  | COVER, valve, top                              |
|      | 70927172 | 4    | 4  | CAPSCREW, 1/2"NC x 1-1/8"                      |
|      | 70677008 | 4    | 4  | WASHER, plain                                  |
| 14   | -----    | 1    | 1  | VALVE ASSY., control (See page 297)            |
| 15   | 70659338 | -    | 1  | LEVER, pivot                                   |
| 16   | 70655418 | -    | 1  | SHAFT, pivot                                   |
|      | 70915797 | -    | 1  | PIN, spring, 3/16" x 1-1/4"                    |

(Continued)

VALVE CONTROLS (Continued)

| ITEM | PART NO. | QTY.<br>* ** | DESCRIPTION                      |
|------|----------|--------------|----------------------------------|
| 17   | 70660101 | - 1          | LEVER, operating                 |
| 18   | 70655215 | - 2          | BEARING, needle, operating lever |
| 19   | 70078402 | - 2          | WASHER, spacing                  |
| 20   | 70617932 | - 3          | END, ball (female thread)        |
| 21   | 70657290 | - 1          | ROD, control                     |
|      | 70911041 | - 2          | NUT, 3/8"NF                      |
| 22   | 70921565 | - 3          | CAPSCREW, 3/8"NC x 1-1/2"        |
|      | 70910287 | - 3          | LOCKWASHER, 3/8"                 |
|      | 70911026 | - 3          | NUT, 3/8"NC                      |
| 23   | 70659340 | - 1          | LEVER, bellcrank                 |
| 24   | 70655215 | - 2          | BEARING, needle, bellcrank lever |
| 25   | 70655211 | - 1          | PIN, bellcrank lever             |
|      | 70915797 | - 1          | PIN, spring, 3/16" x 1-1/4"      |
| 26   | 70659347 | - 1          | ANGLE, bellcrank lever mounting  |
|      | 70922763 | - 2          | CAPSCREW, 3/8"NC x 1"            |
|      | 70910287 | - 2          | LOCKWASHER, 3/8"                 |



AUXILIARY VALVE CONTROL

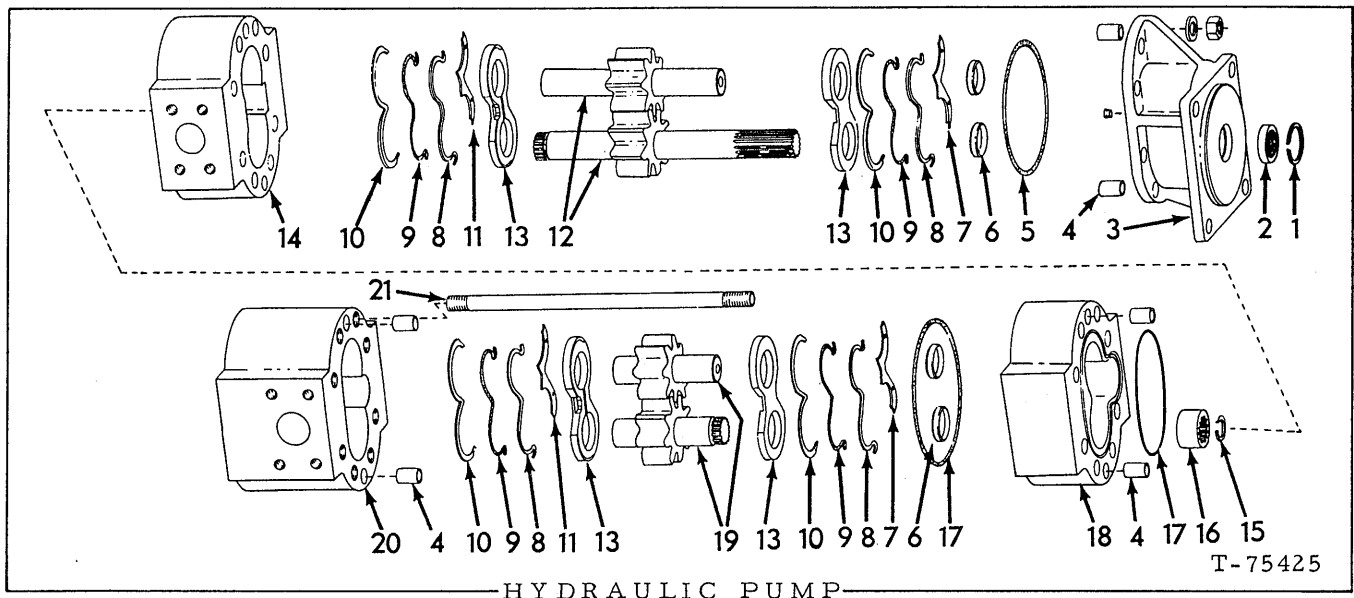
T-75814

<https://truckmanualshub.com/>  
AUXILIARY VALVE CONTROL

USAGE: Units equipped with ripper or other allied equipment. See page 307 for basic dozer controls.

| ITEM | PART NO. | QTY. | DESCRIPTION                                    |
|------|----------|------|------------------------------------------------|
| 1    | -----    | 1    | VALVE ASSY. (See H-9)                          |
| 2    | 70659312 | 2    | LINK, connecting                               |
| 3    | 70094317 | 2    | PIN, connecting link                           |
|      | 70910244 | 4    | WASHER, plain, SAE std., 1/2"                  |
|      | 70900806 | 2    | PIN, cotter, 1/8"                              |
| 4    | 70659310 | 1    | LEVER ASSY., control (Includes item 5)         |
|      | 70916273 | 1    | CAPSCREW, 3/8"NC x 1-3/4"                      |
|      | 70904206 | 1    | LOCKWASHER, 3/8"                               |
|      | 70911026 | 1    | NUT, 3/8"NC                                    |
| 5    | 70049988 | 1    | BUSHING, control lever                         |
| 6    | 70666683 | 1    | SHAFT, control lever                           |
|      | 70905122 | 2    | KEY, #7 woodruff, 1/8" x 3/4"                  |
| 7    | 70659315 | 1    | LEVER, operating                               |
|      | 70910948 | 1    | CAPSCREW, 3/8"NC x 2"                          |
|      | 70904206 | 1    | LOCKWASHER, 3/8"                               |
|      | 70911026 | 1    | NUT, 3/8"NC                                    |
| 8    | 70090020 | 1    | KNOB, operating lever                          |
| 9    | 70666630 | 2    | BEARING, operating lever shaft (self-aligning) |
|      | 70921566 | 4    | CAPSCREW, 5/16"NC x 1"                         |
|      | 70677005 | 4    | WASHER                                         |
|      | 70911025 | 4    | NUT, 5/16"NC                                   |
| 10   | 70662220 | 1    | ANGLE, supporting, operating shaft, upper      |
|      | 70919230 | 2    | CAPSCREW, 1/2"NC x 1-3/8"                      |
|      | 70904208 | 2    | LOCKWASHER, 1/2"                               |
|      | 70064531 | 2    | WASHER                                         |
| 11   | 70662223 | 1    | ANGLE, supporting, operating shaft, lower      |
|      | 70919230 | 2    | CAPSCREW, 1/2"NC x 1-3/8"                      |
|      | 70904208 | 2    | LOCKWASHER, 1/2"                               |
|      | 70064531 | 2    | WASHER                                         |





USAGE: See page 313

\*Tractors prior to serial No. 19S13033, excluding 19S12931 thru 19S12935

\*\*Tractors serial No. 19S13033 and up, including 19S12931 thru 19S12935

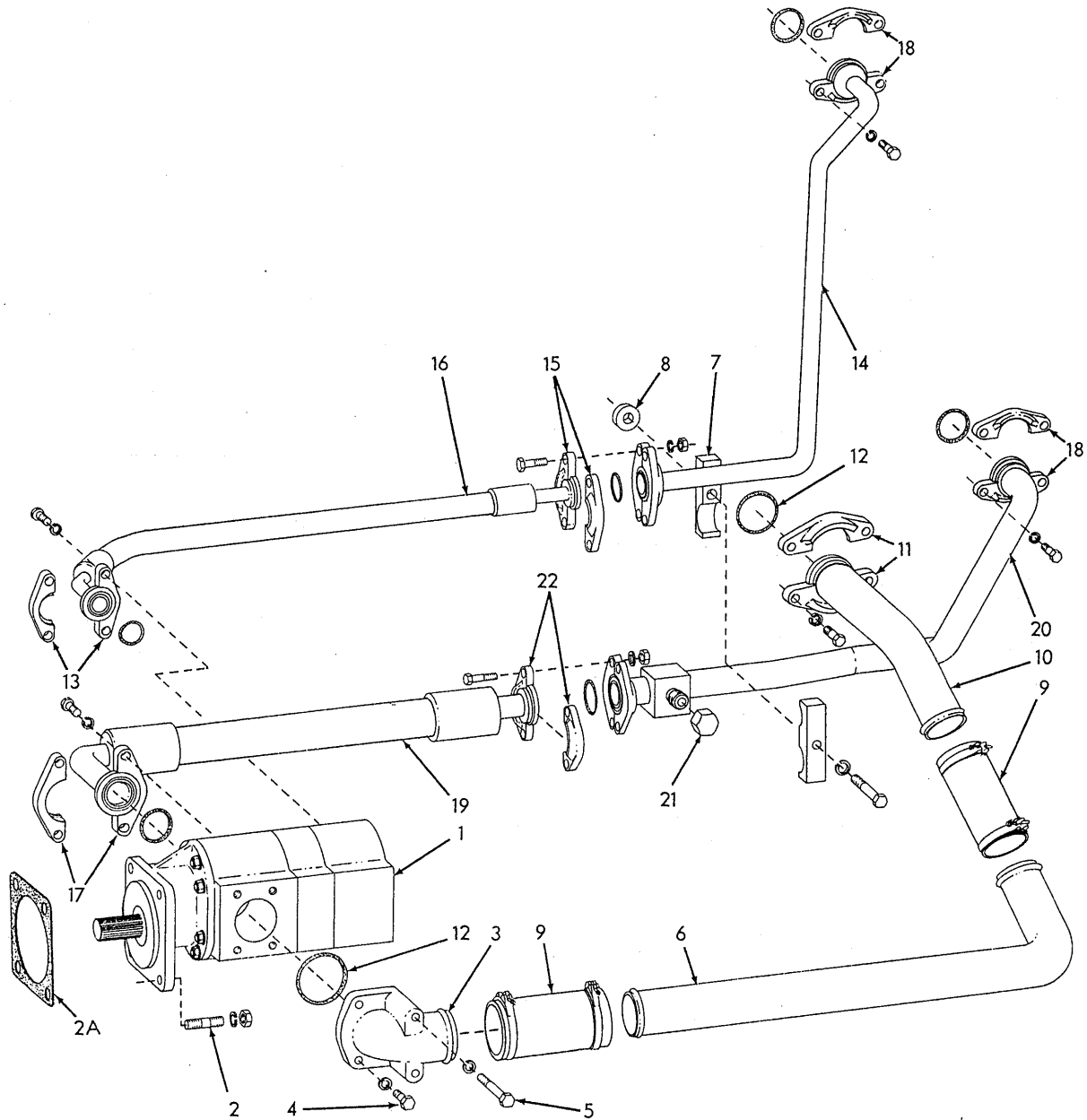
| ITEM. | PART NO. | QTY. | DESCRIPTION                                                               |                               |
|-------|----------|------|---------------------------------------------------------------------------|-------------------------------|
|       |          | * ** |                                                                           |                               |
|       |          |      | NOTE: The term "front" as used herein refers to the drive end of the pump |                               |
| -     | 70665692 | 1    | PUMP ASSY.                                                                | Each includes items 1 thru 21 |
| -     | 70687729 | - 1  | PUMP ASSY.                                                                |                               |
| 1     | 70194166 | 1 1  | RING, snap, seal retaining                                                |                               |
| 2     | 70194165 | 1 1  | SEAL, oil                                                                 |                               |
| 3     | 70663327 | 1 1  | FLANGE ASSY., mounting (Includes PLUG indented below)                     |                               |
|       | 70910231 | 1 1  | PLUG, pipe, hex-socket, 1/8"NPT                                           |                               |
| 4     | 70194132 | 6 6  | DOWEL, pump body                                                          |                               |
| 5     | 70925655 | 1 1  | O-RING, mounting flange                                                   |                               |
| 6     | 70664694 | 4 4  | ORING, seal positioning                                                   |                               |
| 7     | 70665098 | 2 2  | PLATE, isolation                                                          |                               |
| 8     | 70665096 | 4 4  | ORING, back-up (teflon)                                                   |                               |
| 9     | 70665097 | 4 4  | ORING, sealing (rubber)                                                   |                               |
| 10    | 70665099 | 4 4  | RETAINER, seal ring (nylon)                                               |                               |
| 11    | 70665095 | 2 2  | PLATE, isolation                                                          |                               |

(Continued)

(Revised February 1976)

| ITEM | PART NO. | QTY.<br>* ** | DESCRIPTION                                                                      |                                                       |
|------|----------|--------------|----------------------------------------------------------------------------------|-------------------------------------------------------|
| 12   | 70663363 | 1 -          | GEAR KIT, front pump                                                             | (Each consists of 2 matched gears. (Includes shafts)) |
|      | 70686005 | - 1          | GEAR KIT, front pump                                                             |                                                       |
| 13   | 70658241 | 4 4          | PLATE, wear                                                                      |                                                       |
| 14   | 70660460 | 1 1          | BODY ASSY., front pump                                                           |                                                       |
| 15   | 70667593 | 1 -          | RING, snap, gear coupling                                                        |                                                       |
|      | 70927691 | - 1          | RING, snap, gear coupling                                                        |                                                       |
| 16   | 70667594 | 1 1          | COUPLING, gear                                                                   |                                                       |
| 17   | 70925393 | 2 -          | O-RING, center body                                                              |                                                       |
|      | 70684487 | - 2          | O-RING, center body                                                              |                                                       |
| 18   | 70663304 | 1 -          | BODY ASSY., center (2" wide)                                                     |                                                       |
|      | 70684485 | - 1          | BODY ASSY., center (2-7/16" wide)                                                |                                                       |
| 19   | 70663365 | 1 -          | GEAR KIT, rear pump                                                              | (Each consists of 2 matched gears. (Includes shafts)) |
|      | 70686006 | - 1          | GEAR KIT, rear pump                                                              |                                                       |
| 20   | 70663323 | 1 -          | BODY ASSY., rear pump (3-5/16" wide)                                             |                                                       |
|      | 70685833 | - 1          | BODY ASSY., rear pump (3-7/8" wide)                                              |                                                       |
| 21   | 70665818 | 8 -          | STUD                                                                             |                                                       |
|      | 70685832 | - 8          | STUD                                                                             |                                                       |
|      | 70665930 | 16 16        | NUT, 1/2"NF                                                                      |                                                       |
|      | 70651109 | 16 16        | WASHER, plain                                                                    |                                                       |
| 22   | 70665141 | 2 2          | SEAL KIT (Consists of items 6 thru 11; includes half of quantities listed above) |                                                       |

□Components of item 22



OIL PUMP AND LINES

T-75815

| ITEM | PART NO. | QTY. | DESCRIPTION                                 |
|------|----------|------|---------------------------------------------|
| 1    | 70665692 | 1    | PUMP ASSY., oil (See page 310 for parts)    |
| 2    | 70604241 | 4    | STUD, 1/2"NC x 1-7/8"                       |
|      | 70904208 | 4    | LOCKWASHER, 1/2"                            |
|      | 70914012 | 4    | NUT, 1/2"NC                                 |
| 2A   | 70665933 | 1    | GASKET, pump mounting                       |
| 3    | 70660947 | 1    | ELBOW, suction line, front                  |
| 4    | 70915987 | 2    | CAPSCREW, 1/2"NC x 1-1/2"                   |
| 5    | 70916318 | 2    | CAPSCREW, 1/2"NC x 3-1/4"                   |
|      | 70904208 | 4    | LOCKWASHER, 1/2"                            |
| 6    | 70670319 | 1    | TUBE, suction line, intermediate            |
| 7    | 70662662 | 2    | CLAMP, tube supporting                      |
|      | 70916319 | 1    | CAPSCREW, 1/2"NC x 3-1/2"                   |
|      | 70904208 | 1    | LOCKWASHER, 1/2"                            |
| 8    | 70091553 | 1    | SPACER, clamp                               |
| 9    | 70665278 | 2    | HOSE, suction line                          |
|      | 70927141 | 4    | CLAMP, hose, 2-7/8" to 3-3/16" diam.        |
| 10   | 70670320 | 1    | TUBE, suction line, rear                    |
| 11   | 70921599 | 2    | FLANGE, rear suction line (half only)       |
|      | 70915987 | 4    | CAPSCREW, 1/2"NC x 1-1/2"                   |
|      | 70904208 | 4    | LOCKWASHER, 1/2"                            |
| 12   | 70924686 | 2    | O-RING, suction line elbow                  |
| 13   | 70921116 | 2    | FLANGE, high-pressure line hose (half only) |
|      | 70916272 | 4    | CAPSCREW, 3/8"NC x 1-1/4"                   |
|      | 70904206 | 4    | LOCKWASHER, 3/8"                            |
|      | 70924200 | 1    | O-RING, high-pressure line                  |
| 14   | 70662183 | 1    | TUBE, high-pressure line                    |
| 15   | 70921115 | 2    | FLANGE, high-pressure line hose (half only) |
|      | 70916272 | 4    | CAPSCREW, 3/8"NC x 1-1/4"                   |
|      | 70904206 | 4    | LOCKWASHER, 3/8"                            |
|      | 70924110 | 1    | O-RING, high-pressure line hose             |
| 16   | 70670341 | 1    | HOSE, high-pressure line                    |
| 17   | 70921118 | 2    | FLANGE, low-pressure line hose (half only)  |
|      | 70915987 | 4    | CAPSCREW, 1/2"NC x 1-1/2"                   |
|      | 70904208 | 4    | LOCKWASHER, 1/2"                            |
|      | 70924193 | 1    | O-RING, high-pressure line                  |
| 18   | 70921118 | 4    | FLANGE, pressure line tubes (half only)     |
|      | 70915987 | 8    | CAPSCREW, 1/2"NC x 1-1/2"                   |
|      | 70904208 | 8    | LOCKWASHER, 1/2"                            |
|      | 70924193 | 2    | O-RING, low-pressure line                   |
| 19   | 70670344 | 1    | HOSE, low-pressure line                     |

Pump end

Pump end

Valve end

(Continued)

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OIL PUMP AND LINES (Continued)

| ITEM | PART NO. | QTY. | DESCRIPTION                                |
|------|----------|------|--------------------------------------------|
| 20   | 70662184 | 1    | TUBE, low-pressure line                    |
| 21   | 70921244 | 1    | CAP, flare fitting, 3/4" tube              |
|      | 70921117 | 2    | FLANGE, low-pressure line hose (half only) |
|      | 70916197 | 4    | CAPSCREW, 7/16"NC x 1-1/4"                 |
| 22   | 70904207 | 4    | LOCKWASHER, 7/16"                          |
|      | 70924192 | 1    | O-RING. low-pressure line hose             |

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| 74391160..13  |      | 74392385..61   |      | 74393625..26   |      | 74665306..13  |      |          |      |
| 74391231..23  |      | 74392386..61   |      | 74393628..26   |      | 74752002..97  |      |          |      |
| 74391240..63  |      | 74392387..61   |      | 74393636..13   |      | 74752002..99  |      |          |      |
| 74391306..25  |      | 74392388..61   |      | 74393702..106  |      | 74905633..145 |      |          |      |
| 74391307..13  |      | 74392389..61   |      | 74393708..107  |      |               |      |          |      |
| 74391307..25  |      | 74392445..61   |      | 74393764..55   |      |               |      |          |      |
| 74391346..73  |      | 74392482..52   |      | 74393765..55   |      |               |      |          |      |
|               |      |                |      |                |      |               |      |          |      |
| 74391351..97  |      | 74392486..53   |      | 74393778..71   |      |               |      |          |      |
| 74391351..99  |      | 74392492..59   |      | 74393813..61   |      |               |      |          |      |
| 74391366..14  |      | 74392494..59   |      | 74393853..14   |      |               |      |          |      |
| 74391378..14  |      | 74392498..52   |      | 74393854..14   |      |               |      |          |      |
| 74391390..34  |      | 74392500..59   |      | 74393924..25   |      |               |      |          |      |
| 74391403..31  |      | 74392576..25   |      | 74393973..14   |      |               |      |          |      |
| 74391407..31  |      | 74392626..105  |      | 74393975..14   |      |               |      |          |      |
| 74391408..32  |      | 74392630..59   |      | 74393989..8    |      |               |      |          |      |
| 74391411..31  |      | 74392788..62   |      | 74393989..25   |      |               |      |          |      |
| 74391412..31  |      | 74392789..61   |      | 74394009..59   |      |               |      |          |      |
|               |      |                |      |                |      |               |      |          |      |
| 74391412..32  |      | 74392801..53   |      | 74394015..8    |      |               |      |          |      |
| 74391419..31  |      | 74392839..25   |      | 74394034..8    |      |               |      |          |      |
| 74391425..76  |      | 74393077..54   |      | 74394034..9    |      |               |      |          |      |
| 74391441..31  |      | 74393090..55   |      | 74394036..22   |      |               |      |          |      |
| 74391473..9   |      | 74393259..66   |      | 74394038..22   |      |               |      |          |      |
| 74391473..14  |      | 74393260..67   |      | 74394053..9    |      |               |      |          |      |
| 74391475..32  |      | 74393267..9    |      | 74394053..16   |      |               |      |          |      |
| 74391487..9   |      | 74393322..20   |      | 74394055..9    |      |               |      |          |      |
| 74391487..15  |      | 74393324..100  |      | 74394172..16   |      |               |      |          |      |
| 74391554..32  |      | 74393325..100  |      | 74394177..61   |      |               |      |          |      |
|               |      |                |      |                |      |               |      |          |      |
| 74391593..97  |      | 74393341..41   |      | 74394178..53   |      |               |      |          |      |
| 74391593..99  |      | 74393342..39   |      | 74394178..55   |      |               |      |          |      |
| 74391634..73  |      | 74393344..39   |      | 74394188..107  |      |               |      |          |      |
| 74391646..34  |      | 74393346..39   |      | 74394264..19   |      |               |      |          |      |
| 74391650..97  |      | 74393346..39   |      | 74394288..22   |      |               |      |          |      |
| 74391666..23  |      | 74393347..39   |      | 74394301..59   |      |               |      |          |      |
| 74391687..97  |      | 74393349..39   |      | 74394302..59   |      |               |      |          |      |
| 74391704..71  |      | 74393351..39   |      | 74394306..59   |      |               |      |          |      |
| 74391707..8   |      | 74393354..39   |      | 74394318..59   |      |               |      |          |      |
| 74391707..9   |      | 74393355..39   |      | 74394346..12   |      |               |      |          |      |
|               |      |                |      |                |      |               |      |          |      |
| 74391707..71  |      | 74393356..41   |      | 74394407..55A  |      |               |      |          |      |
| 74391845..29  |      | 74393359..9    |      | 74394408..55A  |      |               |      |          |      |
| 74391849..29  |      | 74393359..40   |      | 74394426..25   |      |               |      |          |      |
| 74391869..29  |      | 74393360..41   |      | 74394434..105A |      |               |      |          |      |
| 74391870..29  |      | 74393362..40   |      | 74394451..100  |      |               |      |          |      |
| 74391885..32  |      | 74393363..41   |      | 74394624..55A  |      |               |      |          |      |
| 74391911..17  |      | 74393364..41   |      | 74394625..55A  |      |               |      |          |      |
| 74391912..33  |      | 74393373..13   |      | 74394679..20   |      |               |      |          |      |
| 74391914..33  |      | 74393388..12   |      | 74500230..13   |      |               |      |          |      |
| 74391933..99  |      | 74393391..41   |      | 74507358..61   |      |               |      |          |      |
|               |      |                |      |                |      |               |      |          |      |
| 74391934..99  |      | 74393392..35   |      | 74507359..62   |      |               |      |          |      |
| 74391938..99  |      | 74393397..13   |      | 74507414..61   |      |               |      |          |      |
| 74391949..99  |      | 74393399..29   |      | 74507415..62   |      |               |      |          |      |
| 74391950..99  |      | 74393426..9    |      | 74509035..37   |      |               |      |          |      |
| 74391955..99  |      | 74393426..13   |      | 74509035..38   |      |               |      |          |      |
| 74392024..15  |      | 74393427..105A |      | 74511213..63   |      |               |      |          |      |
| 74392025..15  |      | 74393436..19   |      | 74511243..63   |      |               |      |          |      |
| 74392051..25  |      | 74393443..19   |      | 74513810..96   |      |               |      |          |      |
| 74392052..25  |      | 74393443..25   |      | 74513810..99   |      |               |      |          |      |
| 74392053..25  |      | 74393466..9    |      | 74516821..29   |      |               |      |          |      |