



16-B

(DIRECT DRIVE)

crawler tractor

**(Includes Dozers, 16R Ripper
and Hydraulic Systems)**

parts catalog

Form 70696414 English

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.

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S/N 17A10301-UP

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WARNING

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

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.

N O T I C E

Allis-Chalmers Corporation and Fiat S. p. A. entered into a joint venture agreement to combine their manufacture, sale and service of construction machinery products throughout the world after January 1, 1974.

In view of the new enterprise, wherever in this publication reference is made to Allis-Chalmers or your Allis-Chalmers dealer, such reference is intended to identify Fiat-Allis Construction Machinery, Inc. or your Fiat-Allis dealer.

Also, for this new enterprise, a new series of 8 - digit part numbers is in effect. This change is accomplished by eliminating the "check digit" wherever it may appear, and then, to this basic part number, prefixing a "7" (or "7" plus one or more zeros) to make a full 8-digit part number.

Examples:

667367	becomes	70667367
0688917-4	becomes	70688917
3060101-7	becomes	73060101

All part numbers listed herein must be changed per the above formula before ordering.

MODEL IDENTIFICATION

MODEL SYMBOL	ENGINE MODEL	DESCRIPTION
16-B	16000T (S/N 16-----) 16000 MKII (S/N 16-----) 17000 MK II (S/N 17-----) 6138 LT (S/N 14-----)	Diesel engine driven crawler tractor with Direct Drive 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: Superior Equipment Company P.O. Box 769 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 #16- or #17- followed by the serial number. The new series of numbers begins with the prefix #14-.

Throughout this book, one must keep in mind that the #14-series numbers follow the #16 and #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	17A	10301

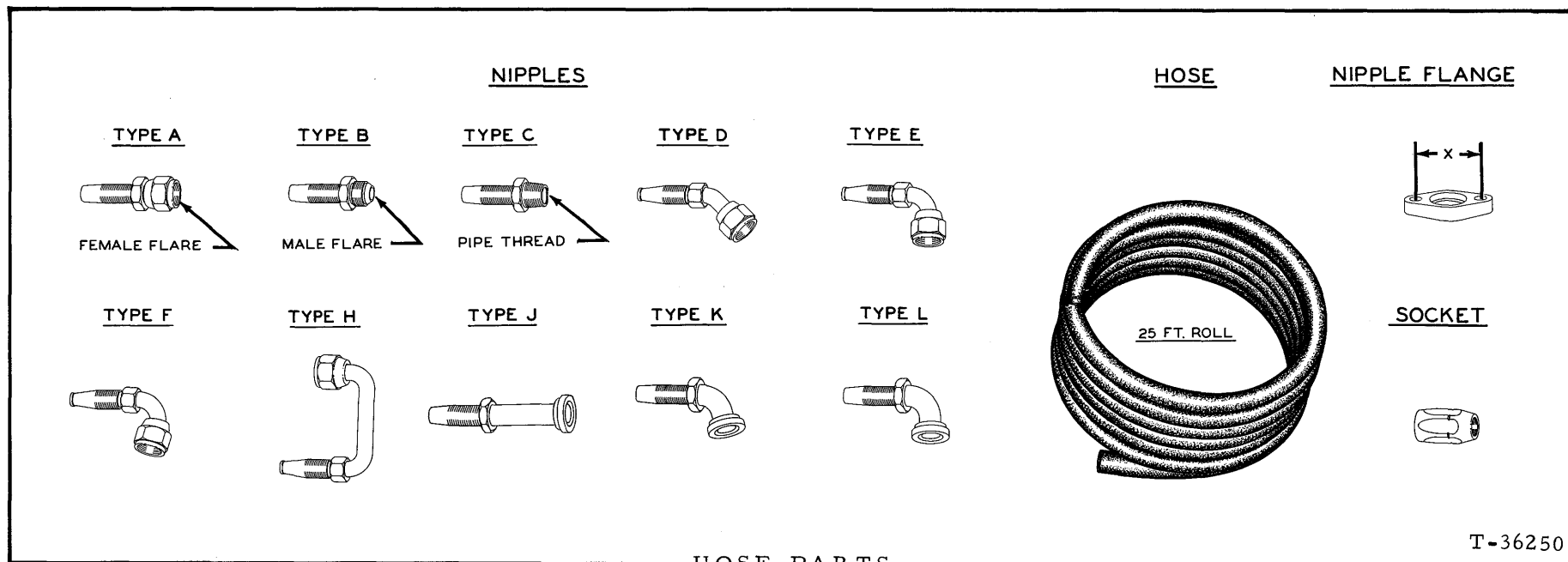
(Revised September 1980)

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HOSE PARTS

T-36250

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 ASSEMBLY NO. (See NOTE)	BULK HOSE (25' roll)	HOSE LENGTH (inches)	NIPPLE (#1 end)			NIPPLE (#2 end)			SOCKET (both ends)	NIPPLE FLANGE		CRIMPED- TYPE HOSE (See NOTE) Part No.
			Including SOCKET	NIPPLE only	Type	Including SOCKET	NIPPLE only	Type		Part No.	X Dim	
	0919218-8	12	0920850-5	0920303-5	A	0920865-3	0919081-0	E	0919076-0			0645236-1
	0919196-6	11-3/8	0920847-1	0920301-9	A	0920847-6	0920301-9	A	0919143-8			0646340-0
	0919196-6	22-1/4	0920862-0	0919194-1	E	0920847-6	0920301-9	A	0919143-8			0646910-2
	0919155-2	16	0920857-0	0919079-4	B	0920879-0	0919159-4	D	0919075-2			0648231-9
	0919196-6	20-3/4	0920847-1	0920301-9	A	0920862-0	0919194-1	E	0919143-8			0650319-7
	0919196-6	23-1/2	0920862-0	0919194-1	E	0920862-0	0919194-1	E	0919143-8			0658320-7
	0919196-6	33	0920862-0	0919194-1	E	0920869-5	0919253-5	E	0919143-8			0658321-5
	0919156-0	27-1/2	0920880-2	0919254-3	D	0920880-2	0919254-3	D	0919076-0			0663134-5
	0919156-0	25-7/8	0920880-2	0919254-3	D	0920880-2	0919254-3	D	0919076-0			0663145-1
	0919156-0	12-1/2	0920850-5	0920303-5	A	0920865-3	0919081-0	E	0919076-0			0664869-5

PACKAGED PARTS

PACKAGE NO.

DESCRIPTION

BLOCK KIT, clutch camshaft (See page 111)

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
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

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PACKAGE PARTS

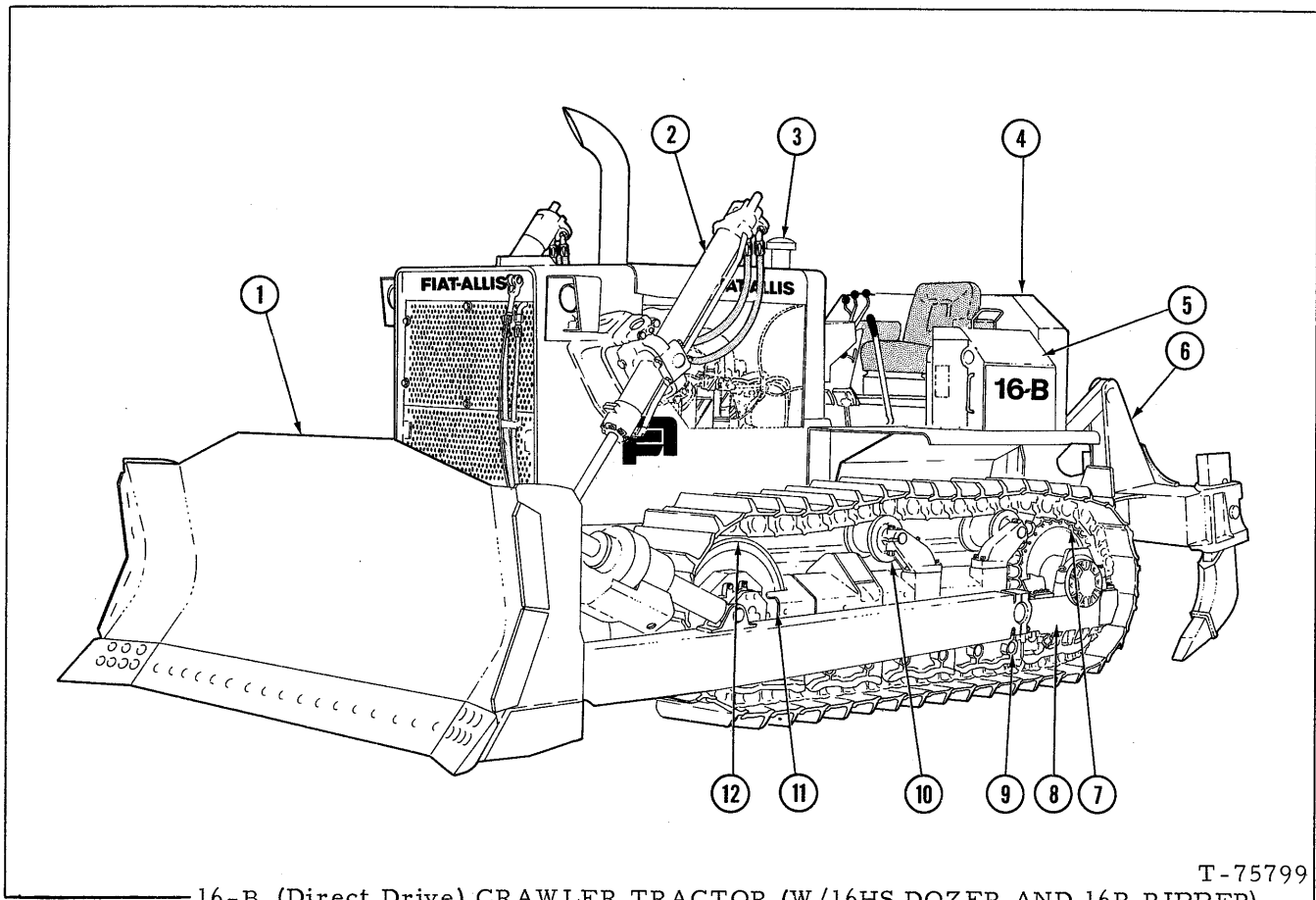
PACKAGE NO.	DESCRIPTION
74396006 (Continued)	GASKET KIT, intermediate, engine cylinder block (Does not include cylinder head or oil pan gaskets) 2 74371160 GASKET, heat exchanger 3 74371345 GASKET, oil lines 1 74371742 GASKET 1 74376398 GASKET, water pump 1 74376603 GASKET, accessory pump 1 74376609 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 16-10461) 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 1 70918851 PLUG, pipe, 3/4"NPT 1 70919822 NIPPLE, 1/2"NPT x 3-1/4"

(Continued)

PACKAGED PARTS

PACKAGE NO.	DESCRIPTION
74394971 Continued)	OIL PUMP CONVERSION KIT (Includes "ACULOP" pump, piping, and oil pan for engines prior to S/N 16-10461)
	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 OIL LEVEL GAUGE
	1 74394200 ADAPTER
	1 74394957 TUBE
	4 74395024 DOWEL
	1 74395053 BLOCK
	1 74395060 TUBE
	1 74395974 TUBE
	1 74395062 BRACKET
	1 74396124 OIL PAN
	1 74395803 GASKET SET
	1 74396769 OIL PUMP
74394054	PISTON AND SLEEVE KIT (Engines prior to #16-10731)
	2 74253749 RETAINER, piston pin
	1 74385485 O-RING, cylinder sleeve (red)
	1 74390175 PIN, piston
	1 74391473 SLEEVE, cylinder
	1 74393303 PISTON
	2 74393426 O-RING, cylinder sleeve (black)
	1 74394053 RING SET, piston
74396647	PISTON AND SLEEVE KIT (Engine No. 16-10731 and up)
	1 74061528 SLEEVE, cylinder
	1 74396638 PISTON ASSY.
-----	SEAL KIT (See FINAL DRIVE, TRACK IDLER)

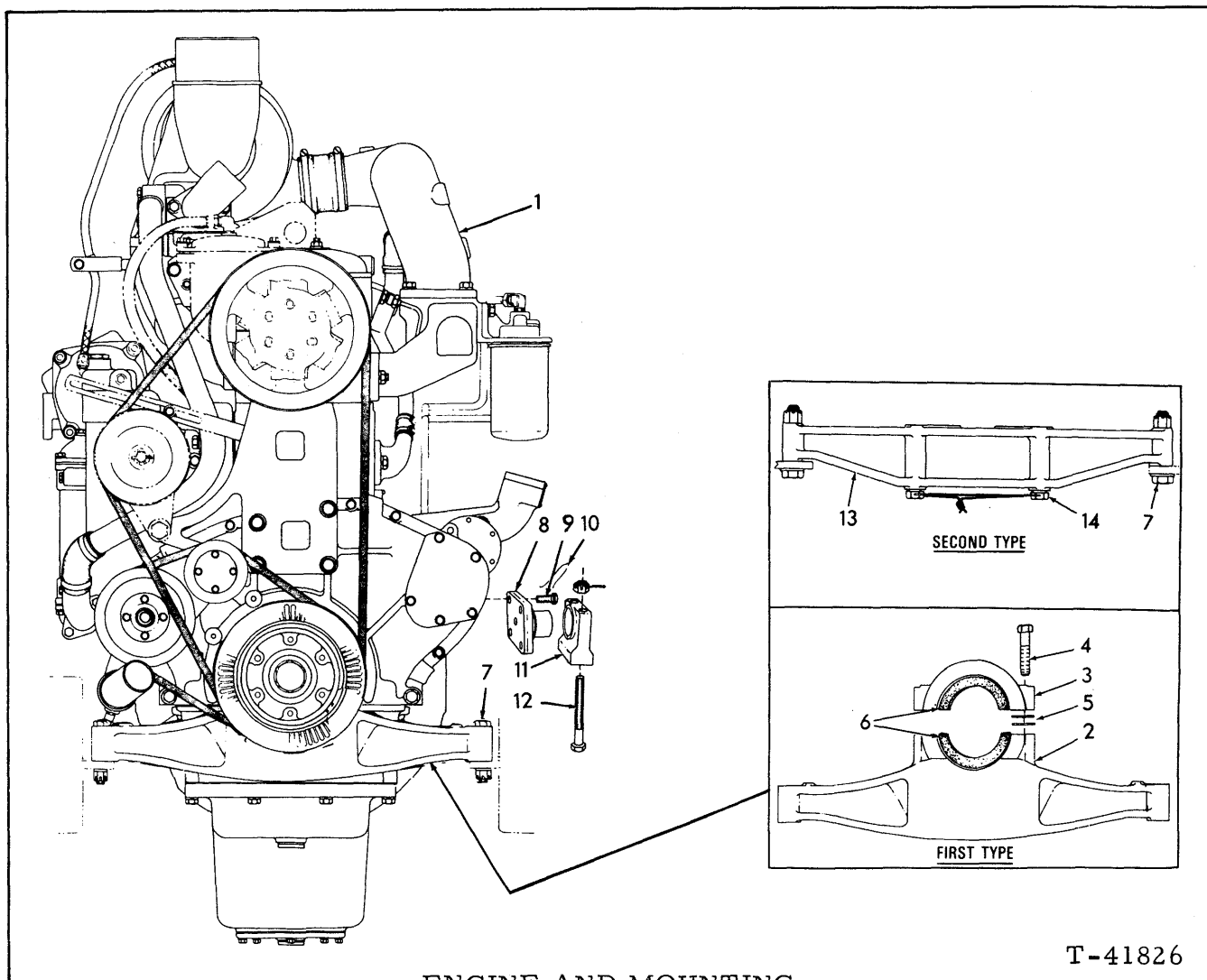
(Revised September 1980)



T-75799

16-B (Direct Drive) CRAWLER TRACTOR (W/16HS DOZER AND 16R RIPPER)

1. Moldboard
2. Dozer Cylinder
3. Air Cleaner
4. Fuel Tank
5. Battery Box
6. 16R Ripper
7. Sprocket
8. Track Frame
9. Track Roller
10. Track Carrier Roller
11. Track Adjusting Yoke
12. Track Idler



ENGINE AND MOUNTING

T-41826

ITEM	PART NO.	QTY.	DESCRIPTION
1	74391759	1	ENGINE ASSY. (16000 MK II)
	73114733	1	ENGINE ASSY. (17000 MK II)
	74396538	1	ENGINE ASSY. (6138 LT Engine)
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.			
2	70655510	1	HANGER, front (Includes item 3)(First type)(Tractors prior to S/N 17A15213)(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"
	74372864	2	WASHER
5	70916009	14	WASHER, shimming (1/32" thick. Use as required) (Used with first type hanger)
6	74336491	2	LINER (Used with first type hanger)(See Timing Gear Housing for second type)

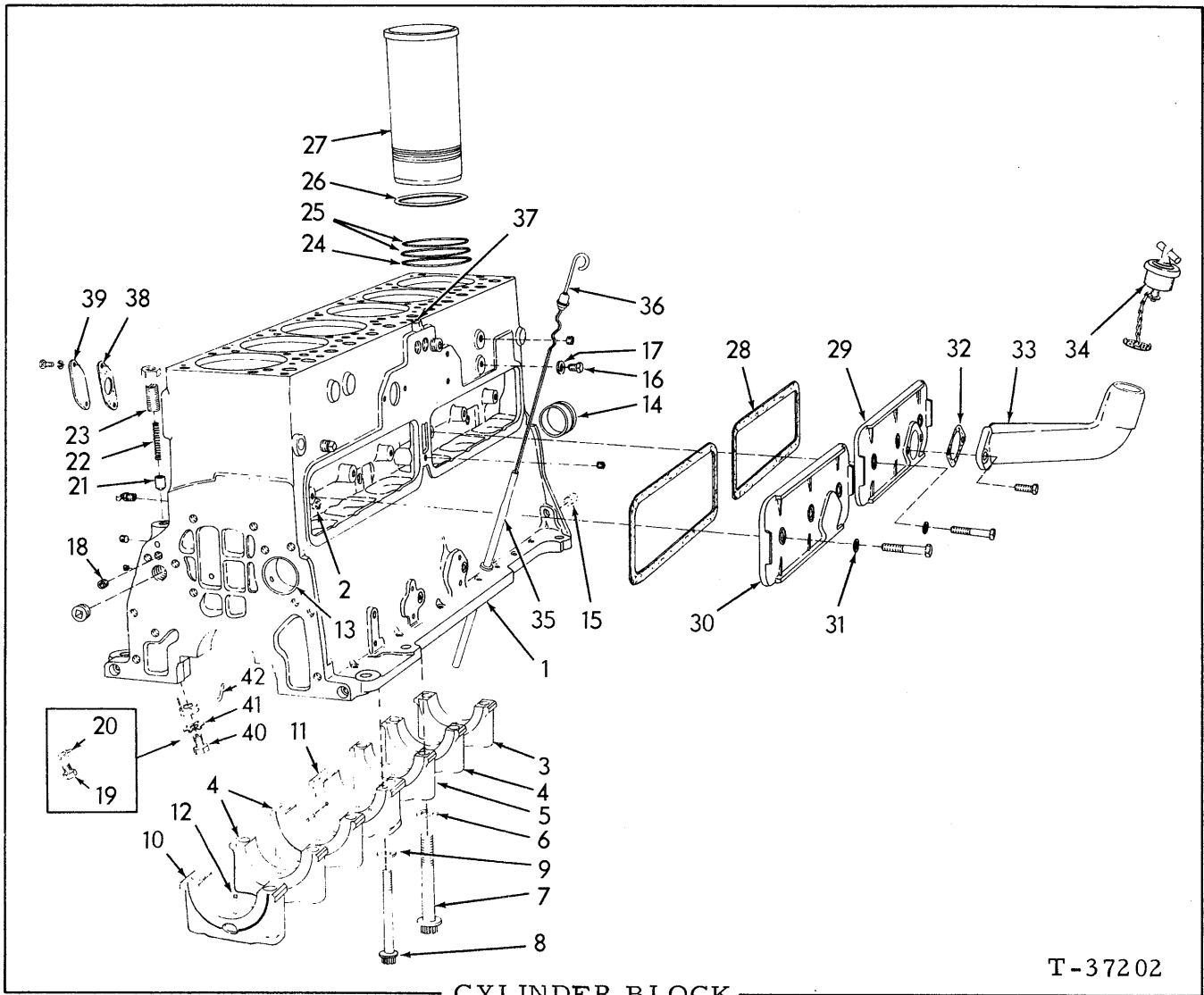
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ENGINE AND MOUNTING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
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 17A15213 and up)(Engine S/N 14-01217 and up)
14	70933330	2	CAPSCREW, drilled head, 5/8"NC x 5"
	70037000	1	LOCKWIRE

(Revised September 1980)



T-37202

— CYLINDER BLOCK —

ITEM	PART NO.	QTY.	DESCRIPTION
1	See note page 14	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 #16-10242 also order Camshaft 74393399)
	74255491	1	PLUG, pipe (Top deck) 1/4"
	70919134	1	PLUG, pipe, hex-hd., 1/8"NPT
	70919840	3	PLUG, pipe, hex-hd., 1/4"NPT
	70918850	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	1	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)

(Revised July 1981)

CYLINDER BLOCK (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
5	-----	1	*CAP, main bearing, intermediate (No. 5)(Order 74395103)
6	74389911	12	WASHER, plain, main bearing capscrow
7	74389924	12	CAPSCREW, main bearing cap (7/8" diam.) (Engines prior to #16-10437)
	74393397	12	CAPSCREW, main bearing cap (7/8" diam.) (Engines #16-10437 and up)
8	74389923	4	CAPSCREW, center main bearing cap (5/8" diam.) (Engines prior to #16-10437)
	74391307	4	CAPSCREW, center main bearing cap (5/8" diam.) (Engines #16-10437 and up)
9	74391160	4	WASHER, center main bearing capscrow (Engines prior to #16-10437)
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 #16-10921)
	74395109	7	PIN (Adaptor for stepped 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 #16-10921 and up)
13	74665306	1	BEARING, camshaft, front
	74660440	2	BEARING, camshaft, intermediate (Engines prior to #16-10242)
	74393373	2	BEARING, camshaft, intermediate (Engines #16-10242 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 16-10921)
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 16000 MK II engines without piston cooling. 17000 MK II engines S/N 17-04671 and up with piston cooling spray tip in connecting rod. Also 6138 LT engines.			
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)

(Revised September 1980)

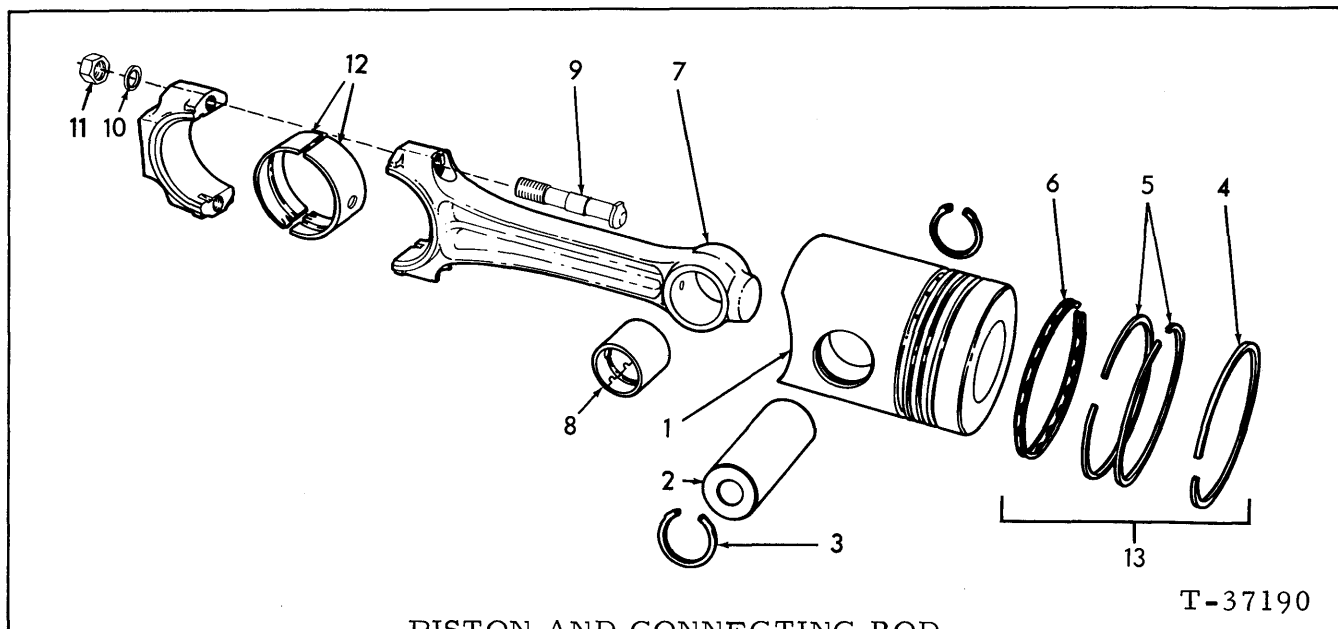
CYLINDER BLOCK (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION	
26	74368204	-	SHIM, cylinder sleeve (.005" thick)	} Use as re- quired when machining 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 #16-10461)	
	74394200	1	ADAPTER, oil level gauge (Engines #16-10461 and up)	
36	74391366	1	GAUGE, oil level (Engines prior to #16-10461)	
	74393973	1	GAUGE, oil level (Engines #16-10461 and up)	
37	70923799	1	SETSCREW	} Engine #16-10921 and up
38	74025101	2	GASKET	
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) (See NOTE below)	
	74390767	3	JET ASSY. (Includes Pin)(Cylinders 3, 5 and 6) (See NOTE below)	
	70917448	6	PIN, spring (See NOTE below)	

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

NOTE: (Item 1) Order block assy. 74396088
for non-cooled pistons, or with pistons
oil cooled thru connecting rod spray tips.
(See page 16A). Order block assy.
74396091 for pistons oil cooled thru
block jets (Item 42).

(Revised July 1981)



USAGE: 16000 engines, and 17000 engines prior to S/N 17-03006

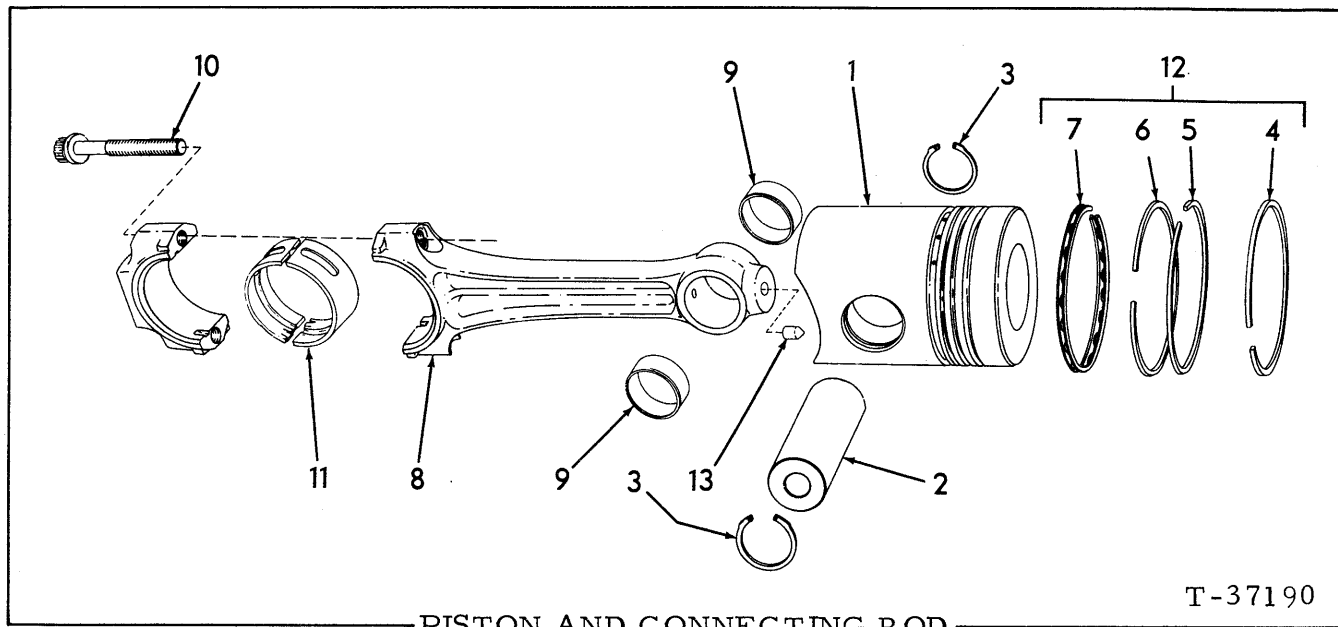
ITEM	PART NO.	QTY.	DESCRIPTION
1	74062037	6	□ PISTON (Includes items 2, 3 and 14)
2	74390175	6	PIN (2" O.D.)
3	74253749	12	RETAINER
4	-----	6	RING
5	-----	12	RING } Order item 13
6	-----	6	RING
7	74394058	6	ROD ASSY. (Service replacement)(Includes items 8 and 9)(Order Bearing from page 16A)
8	74376986	6	BUSHING
9	74388142	12	BOLT (Prior to engine #17-01675)(Shown)
	74394747	12	CAPSCREW (Engine #17-01675 and up) (Not illustrated)
10	74388146	12	WASHER
11	74390011	12	NUT } Engines prior to #17-01675
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)

(Revised September 1980)

PISTON AND CONNECTING ROD (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
13	74394172	12	BEARING, connecting rod (standard size)
	4391156	12	BEARING, connecting rod (.010" undersize)
	4391157	12	BEARING, connecting rod (.020" undersize)
	4391158	12	BEARING, connecting rod (.030" undersize)
	4391159	12	BEARING, connecting rod (.040" undersize)
14	74394053	6	☐ RING SET (for ONE piston only)(Includes items 4 thru 7)

☐ Also see PACKAGED PARTS



USAGE: Engine S/N 17-03006 and up. Also 6138 LT engines.

ITEM PART NO. QTY. DESCRIPTION

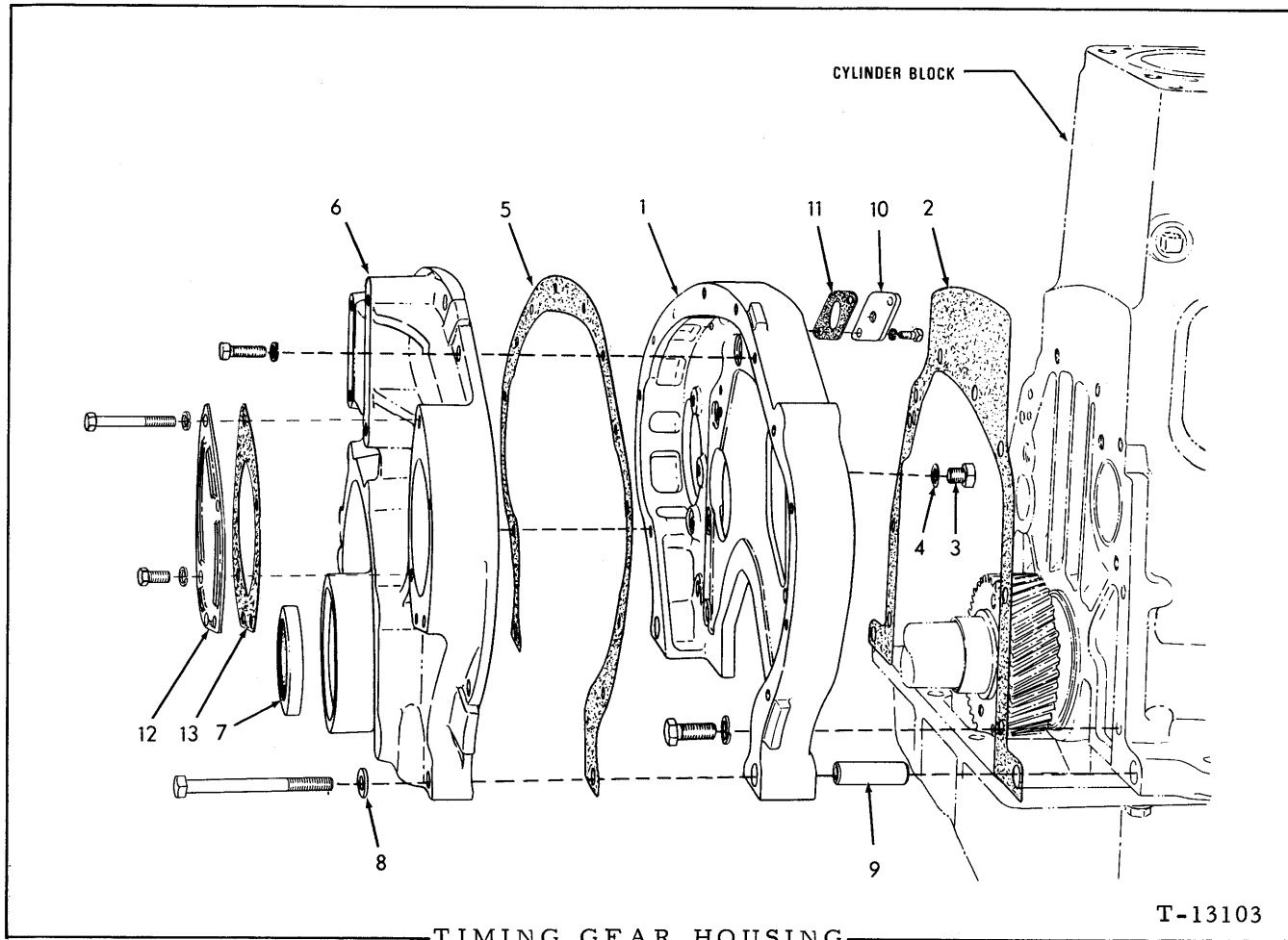
1	74396638	6	□PISTON ASSY. (Includes piston and items 2, 3 and 12) (Stamped 4396594)(Replace in sets in engines S/N 17-03006 thru 14-02470 with intake valve recess)
2	74394212	6	PIN (2-1/4" O.D.)
3	74255943	12	RETAINER
4	-----	6	RING (top groove)
5	-----	6	RING (2nd groove)
6	-----	6	RING (3rd groove)
7	-----	6	RING (4th groove)
8	74396085	6	ROD ASSY. (Service replacement)(Includes items 9, 10, 13 and instruction sheet)
9	74396367	6	BUSHING KIT (Includes 2 Bushings)
10	74394747	12	CAPSCREW
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 4 thru 7)
13	74395683	6	PLUG (All 16000 engines, and 17000 engines prior to S/N 17-04671 without piston cooling, or with cooling jets in cylinder block)
	74630114	6	TIP, spray (Engines S/N 17-04671 and up. Also all 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

See NOTE below

NOTE: Item 14 contains 12 bearings

(Revised September 1980)



TIMING GEAR HOUSING

USAGE: All 16000 and 17000 MK II engines

ITEM	PART NO.	QTY.	DESCRIPTION
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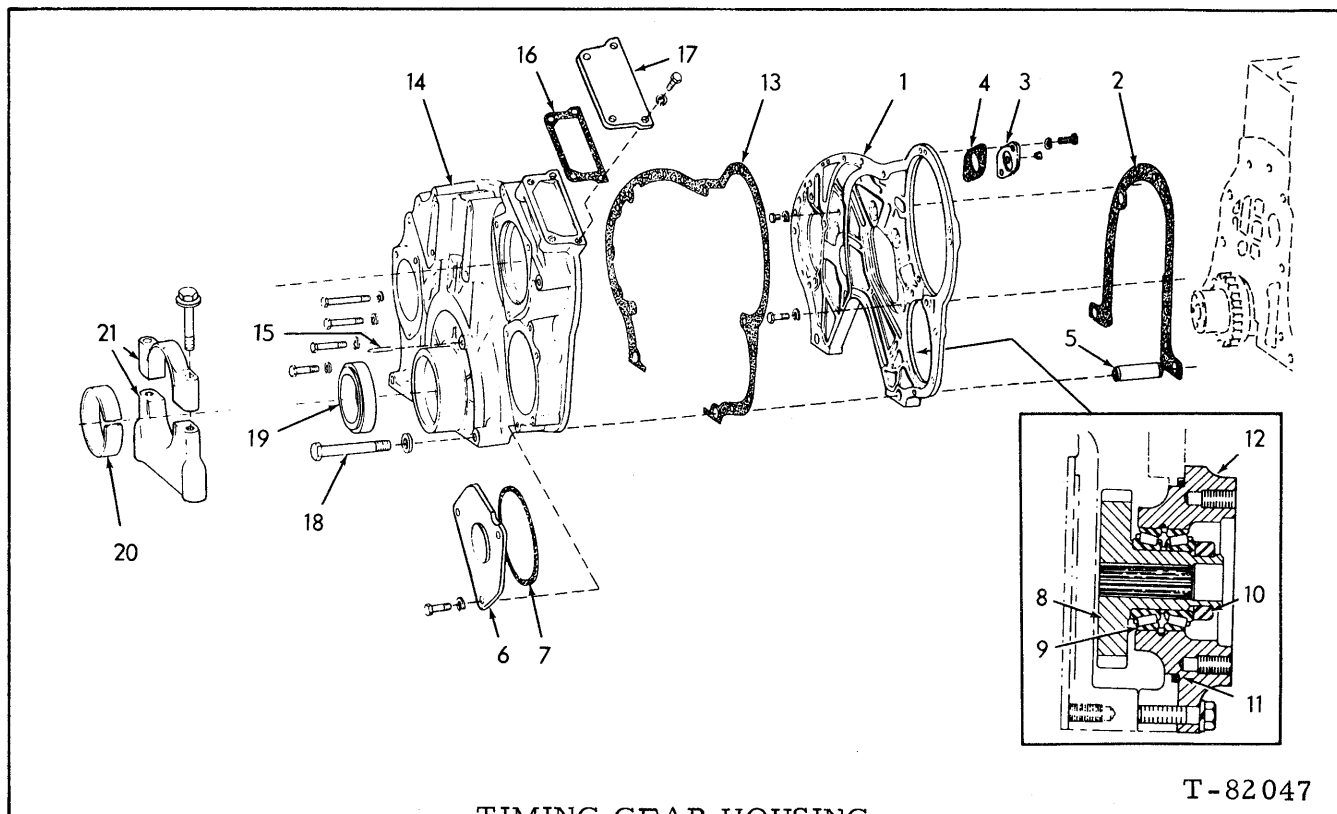
1	74393560	1	HOUSING
	70916311	8	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	8	LOCKWASHER, 1/2"
2	74660492	1	□GASKET, gear housing
3	70919229	1	CAPSCREW, plugging (1/2"NC x 1/2")
4	74119937	1	□GASKET, plugging capscREW
5	74376609	1	□GASKET, gear housing
6	74391911	1	COVER, timing gear housing (Engines prior to #16-10480) #17-01911)
	74395852	1	COVER, timing gear housing (Engines #16-10480 or #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

(Continued)

(Revised September 1980)

TIMING GEAR HOUSING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
10	74390837	1	COVER, gear housing
	70915408	2	CAPSCREW, 3/8"NC x 3/4"
	70904206	2	LOCKWASHER, 3/8"
11	74371027	1	□GASKET, gear housing cover
12	74373585	1	COVER, accessory drive hole
	70915990	3	CAPSCREW, 3/8"NC x 2-3/4"
	70904206	3	LOCKWASHER, 3/8"
	70916253	2	CAPSCREW, 7/16"NC x 3/4"
	70904207	2	LOCKWASHER, 7/16"
13	74371742	1	GASKET, cover



TIMING GEAR HOUSING

T-82047

USAGE: Tractor S/N 17A15213 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"
	70921076	2	CAPSCREW, 3/8"NC x 1-1/4"
	70910287	3	LOCKWASHER, 3/8"

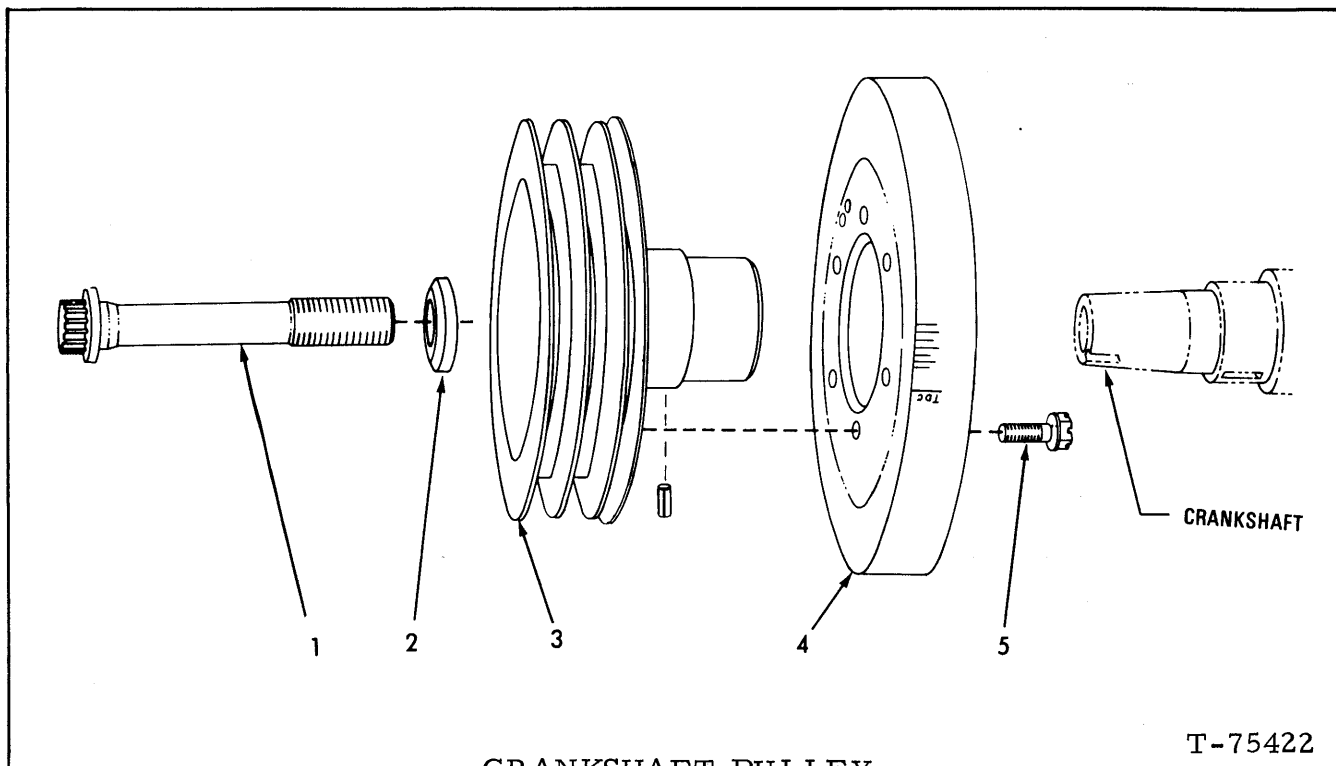
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(Added September 1980)

TIMING GEAR HOUSING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
13	74396000	1	□GASKET
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"

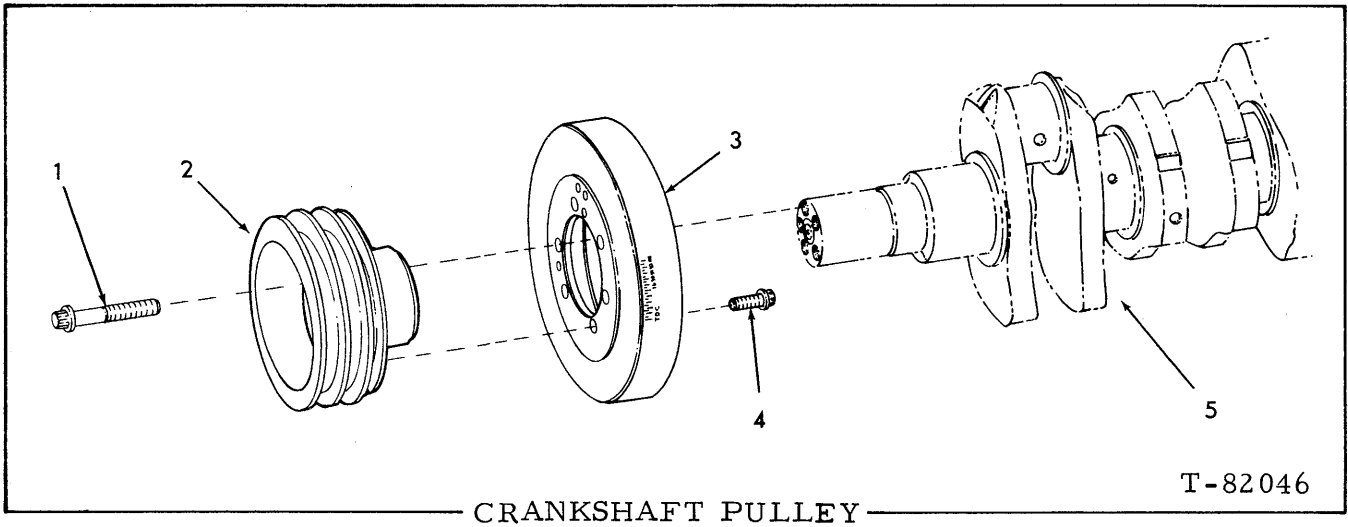
(Added September 1980)



USAGE: 16000 and 17000 engines

ITEM	PART NO.	QTY.	DESCRIPTION
1	74393435	1	SCREW, 3/4" NC x 7-1/4" (If for first replacement on engines prior to #16-10218 also order item 2)
2	74393436	1	WASHER
3	74395526	1	PULLEY (Includes pin)
	70921839	1	PIN, spring, 5/16" x 1-3/8"
4	74395767	1	DAMPER
5	74391022	6	BOLT
6	74391230	1	KEY (Crankshaft with keyway)(Not illustrated)

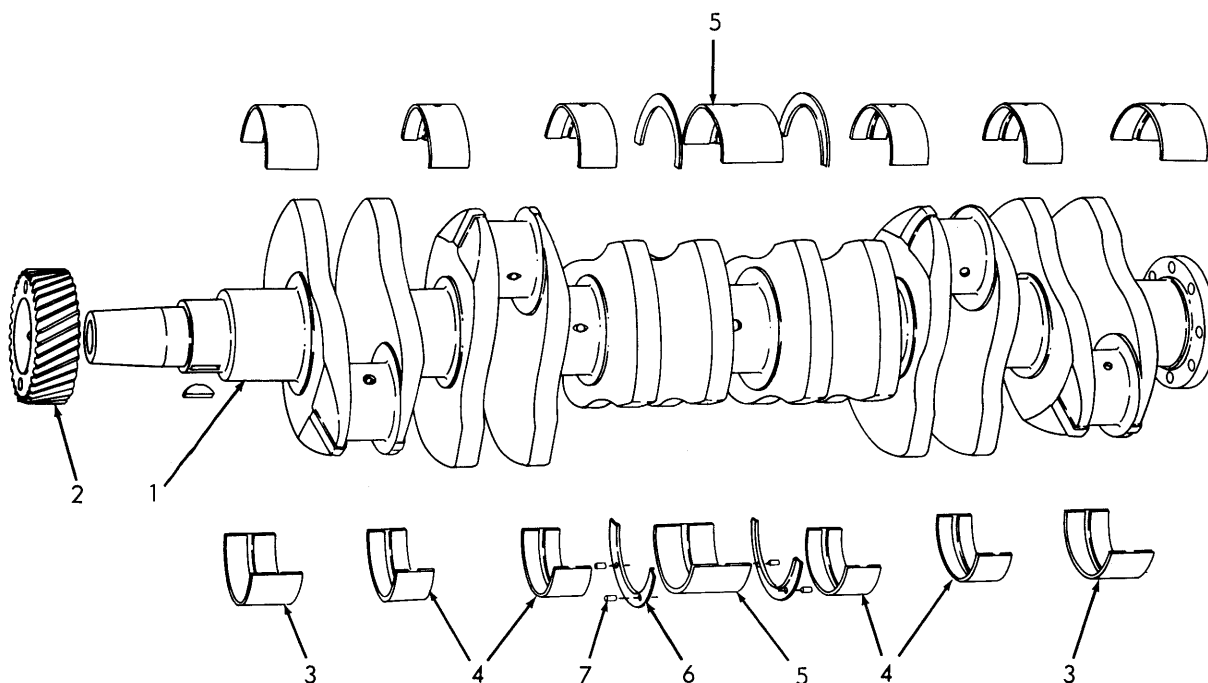
(Revised September 1980)



USAGE: 6138 LT engine

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)

(Added September 1980)



T-37191

CRANKSHAFT

ITEM	PART NO.	QTY.	DESCRIPTION
1	74396002	1	CRANKSHAFT (Engines prior to S/N 17-04926)(For first replacement prior to #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 (Engine 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 replacement prior to engine #16-10921 also order 1 PIN 74395109 per bearing cap)

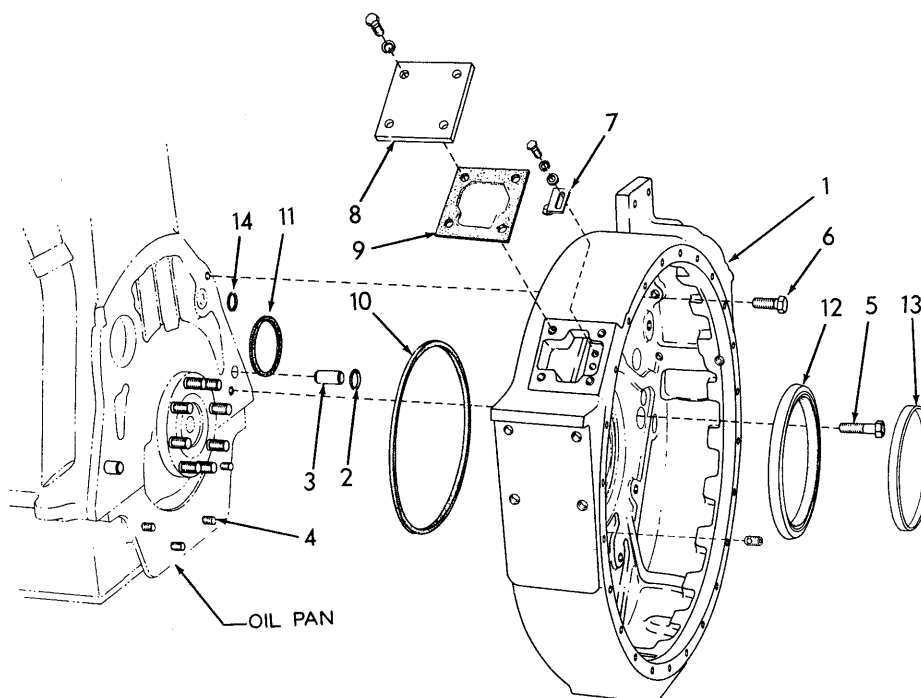
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(Revised September 1980)

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 #16-10921 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 #16-10921 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)	
	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 Bearing 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)	
			<u>NOTE:</u> Each Flange Kit listed above consists of 4 Flanges and 4 Pins, item 7.	

(Revised September 1980)



FLYWHEEL HOUSING

T-41788

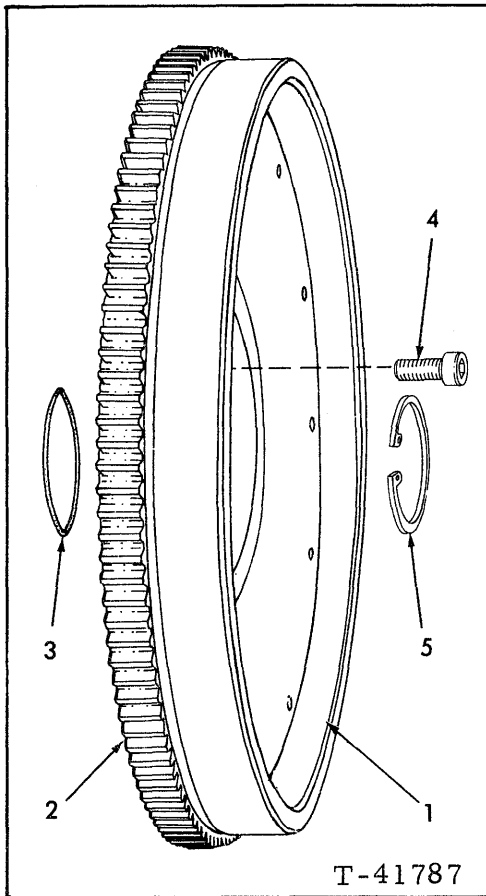
ITEM	PART NO.	QTY.	DESCRIPTION
1	74395433	1	HOUSING, flywheel (16000 and 17000 engines)
	74396567	1	HOUSING, flywheel (6138 LT engines)
	70922884	2	SETSCREW, hex-skt, cup-pt., Nylok, 7/16"NC x 1/2"
2	70923810	2	O-RING, housing dowel
3	74373716	2	DOWEL, housing to crankcase
4	-----	4	CAPSCREW, (See OIL PAN)
5	70921556	2	BOLT, housing to crankcase, 1/2"NC x 2"
6	70920574	8	BOLT, housing to crankcase, 1/2"NC x 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 #16-10554 also order 1 SLEEVE 74394036)
13	74394036	1	SLEEVE, wear (Engine #16-10554 and up)
14	74255898	1	RING, sealing, housing to crankcase (oil gallery hole)

(Revised September 1980)

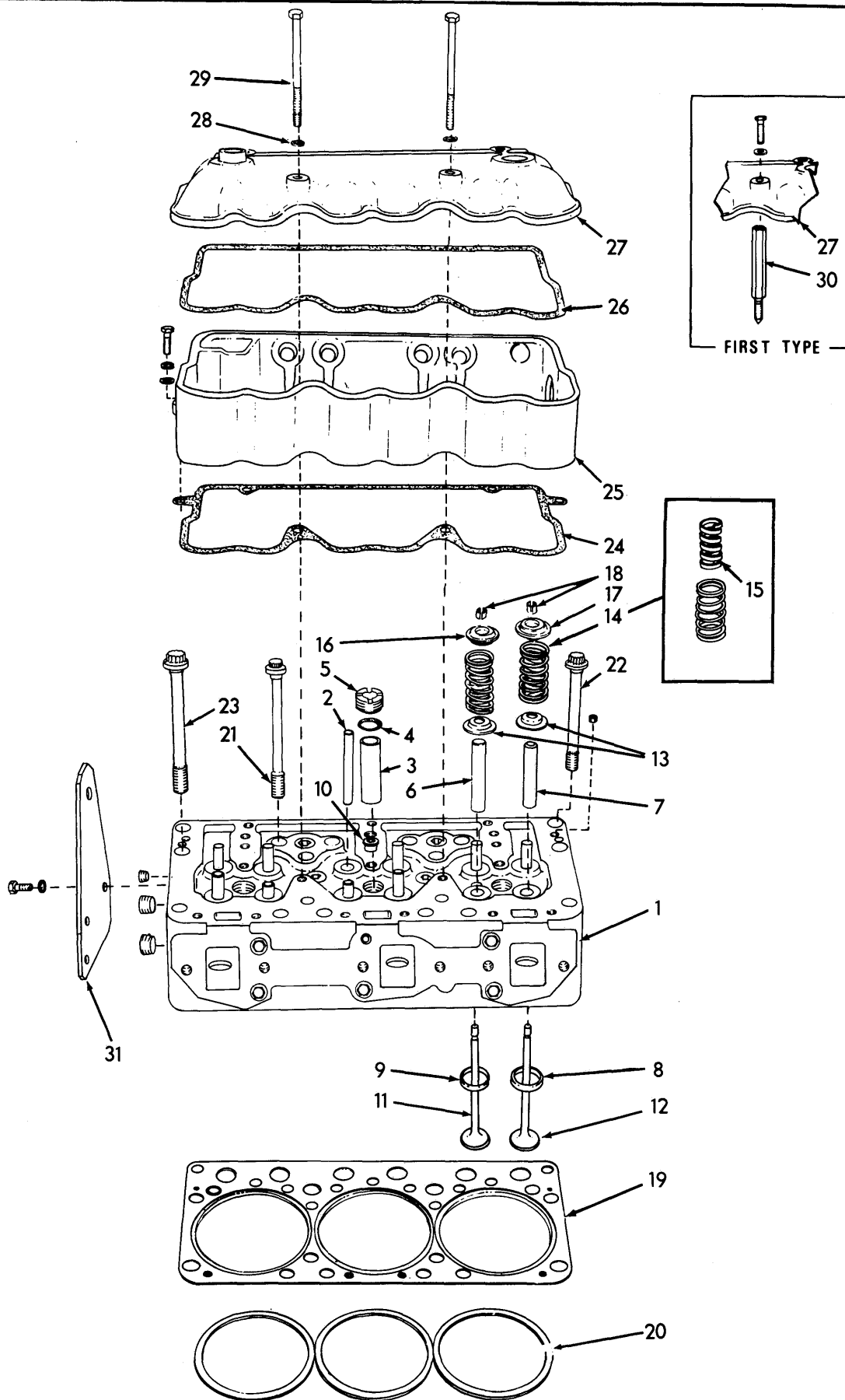
FLYWHEEL

ITEM	PART NO.	QTY.	DESCRIPTION
1	74387181	1	FLYWHEEL ASSY. (16000 and 6138 LT engines)
	74395963	1	FLYWHEEL ASSY. (17000 engines) (Tractors S/N 17-15076 thru 17-15142)
2	74303694	1	GEAR, ring
3	74255912	1	□O-RING, flywheel to crankshaft
4	74391666	8	CAPSCREW, flywheel
5	70927708	1	RING, snap, bearing retaining

Includes
item 2



(Revised September 1980)



CYLINDER HEAD

T-37183

(Revised November 1975)

CYLINDER HEAD

ITEM	PART NO.	QTY.	DESCRIPTION
1	74394445	2	HEAD ASSY., cylinder (Includes items 2 thru 9 and plugs indented below)
	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
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 (Engine prior to #16-10563)
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)(Engines #16-10293 and up)
17	-----	--	RETAINER, exhaust valve spring (Order item 16) (Engines prior to #16-10293)
18	74376497	48	LOCK, valve stem
19	74396409	2	GASKET, cylinder head (Includes instruction sheet)
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 } Engines prior
	74393628	1	COVER, lower section, rear } to #16-10922
	74394928	2	COVER, lower section (Engine #16-10922 and up)
	70916272	4	CAPSCREW, 3/8" NC x 1-1/4"
	70904206	4	LOCKWASHER, 3/8"
	70913544	4	WASHER
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 #16-10869)
	70921405	1	CAPSCREW, 3/8" NC x 6" (Engines #16-10869 and up)

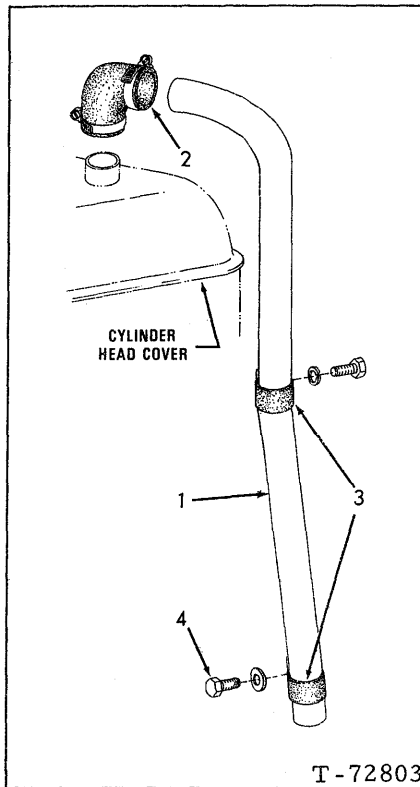
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CYLINDER HEAD (Continued)

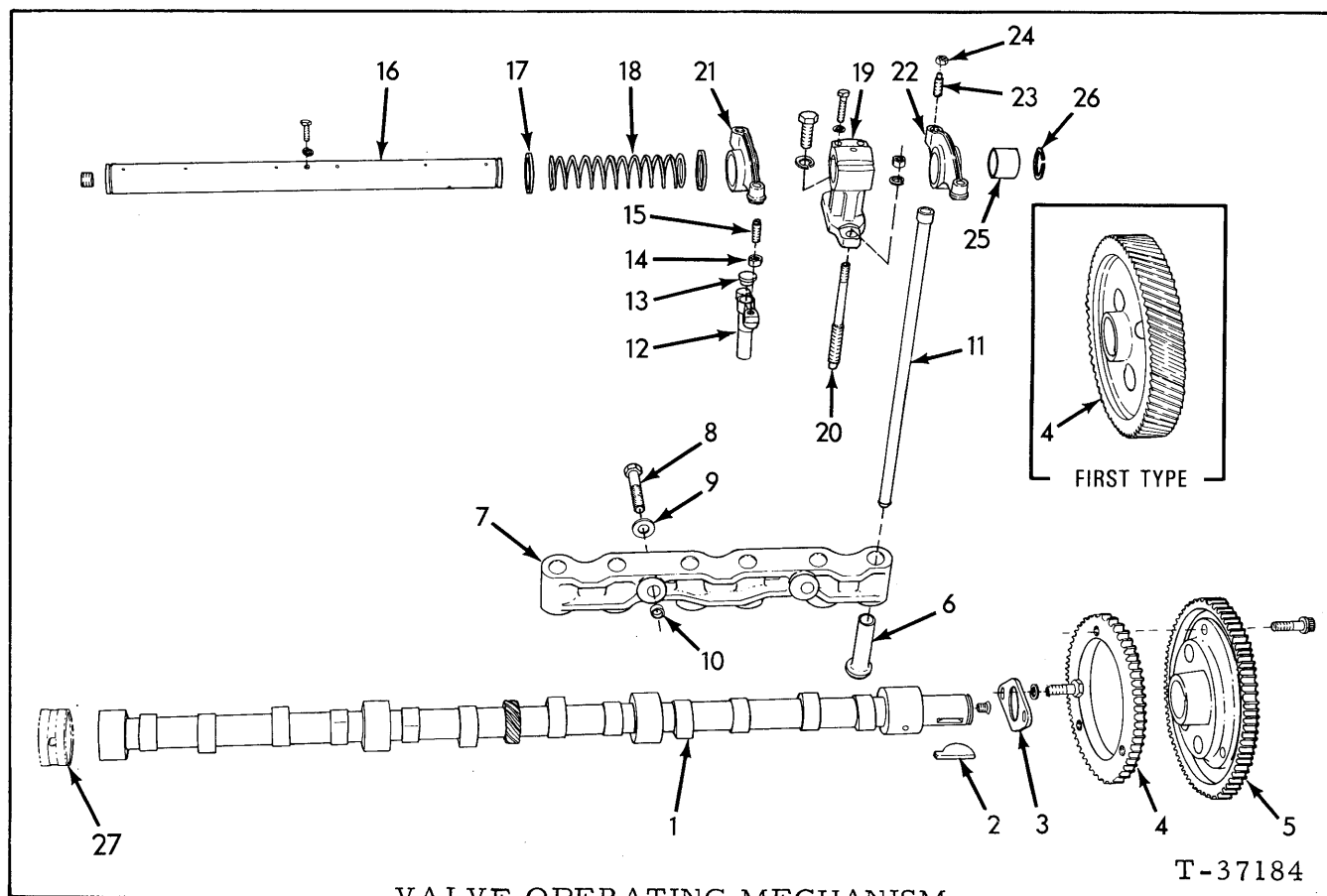
ITEM	PART NO.	QTY.	DESCRIPTION
28	74254873	8	WASHER, sealing, rocker cover capscREW
29	74386421	7	CAPSCREW, rocker cover (3/8"NC x 6-1/8")(Engines prior to #16-10921)
	70921405	7	CAPSCREW, rocker cover (3/8"NC x 6")(Engines #16-10921 and up)
30	74389965	1	BOLT, extension, rear lower cover (Engines prior to #16-10869)
31	74395903	1	EYE, lifting
	70916311	1	CAPSCREW, 1/2"NC x 1-1/4" }
	70904208	3	LOCKWASHER, 1/2" } Engine #16-10921 and up

(Revised July 1978)

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 (16000 and 17000 engines)
	74394662	1	GEAR
	70922051	3	CAPSCREW, 12-pt., 3/8" 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

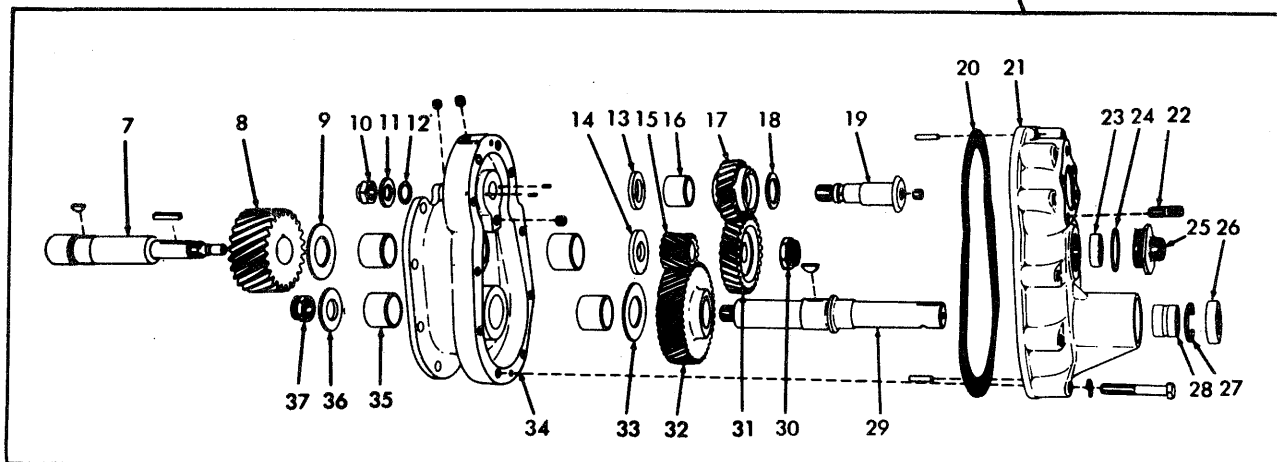
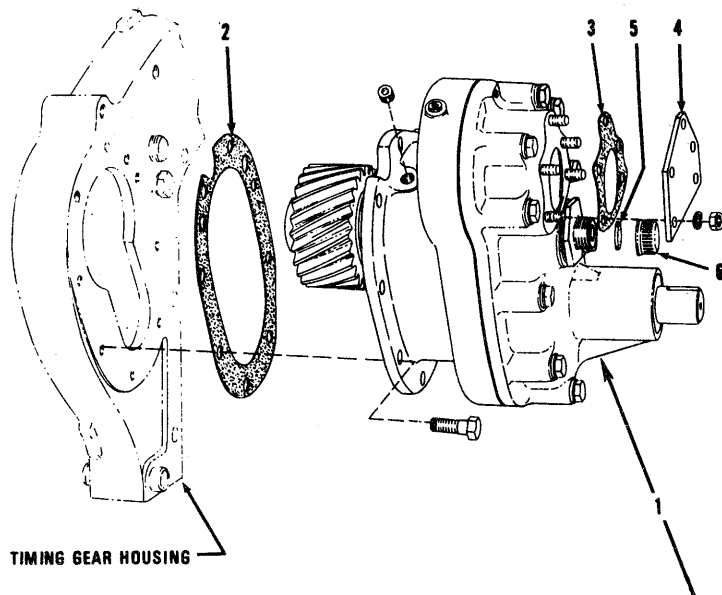
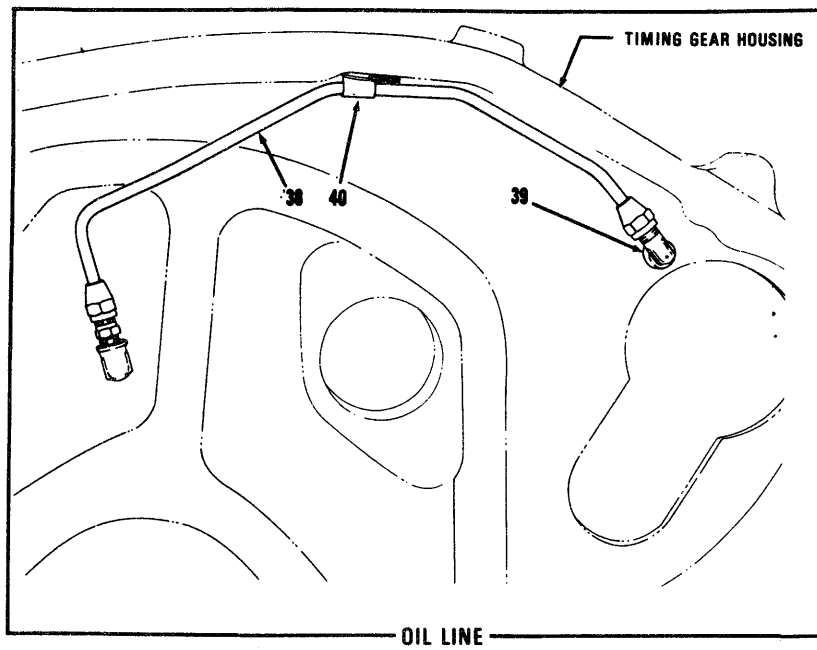
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(Revised September 1980)

VALVE OPERATING MECHANISM (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
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"
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)
	70904205	12	LOCKWASHER, 5/16"
			} All 16000 engines. 17000 engines prior to 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 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 13)

(Revised September 1980)



T-39416

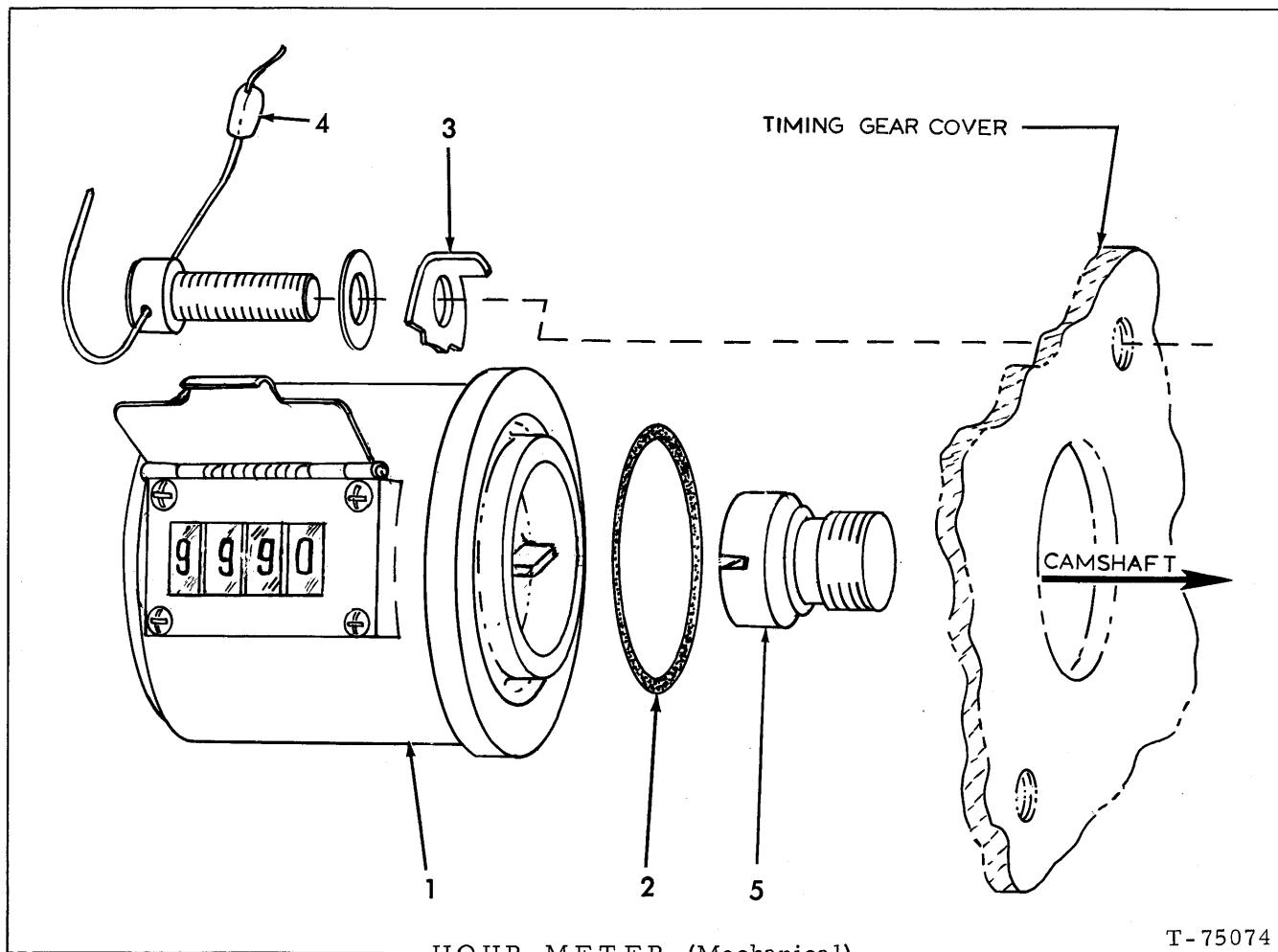
ACCESSORY DRIVE

ITEM	PART NO.	QTY.	DESCRIPTION
1	74391937	1	DRIVE ASSY. (Consists of items 7 thru 37)
	70921520	8	CAPSCREW, Nylok, 3/8"NC x 7/8"
2	74376603	1	☐ GASKET, accessory drive to gear housing
3	74376605	1	GASKET, housing cover plate
4	74348285	1	PLATE, housing cover
	70904205	3	LOCKWASHER, 5/16"
	70910323	3	NUT, 5/16"NC
5	74367090	1	☐ 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	74377276	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	74376667	3	STUD, housing cover
23	74391019	1	SEAL, oil, upper shaft
24	74251601	1	GASKET, tachometer drive adapter

(Continued)

ACCESSORY DRIVE (Continued)

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"

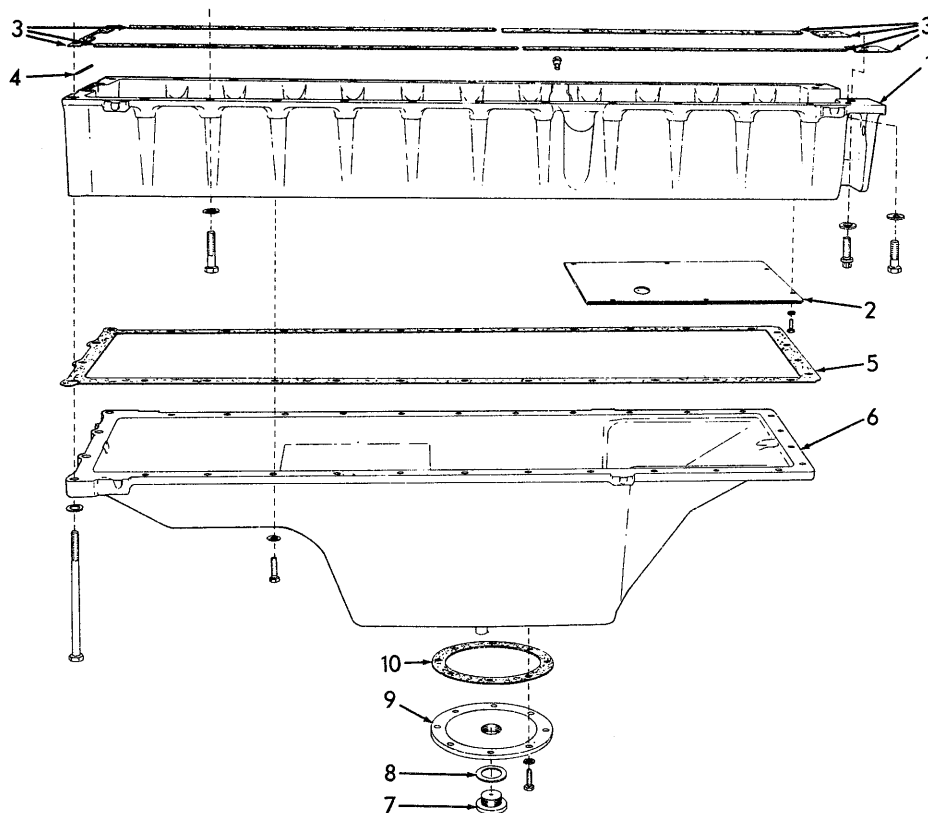


HOUR METER (Mechanical)

T-75074

USAGE: Standard equipment on engines prior to Serial No. 16-10480

ITEM	PART NO.	QTY.	DESCRIPTION
1	74392558	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

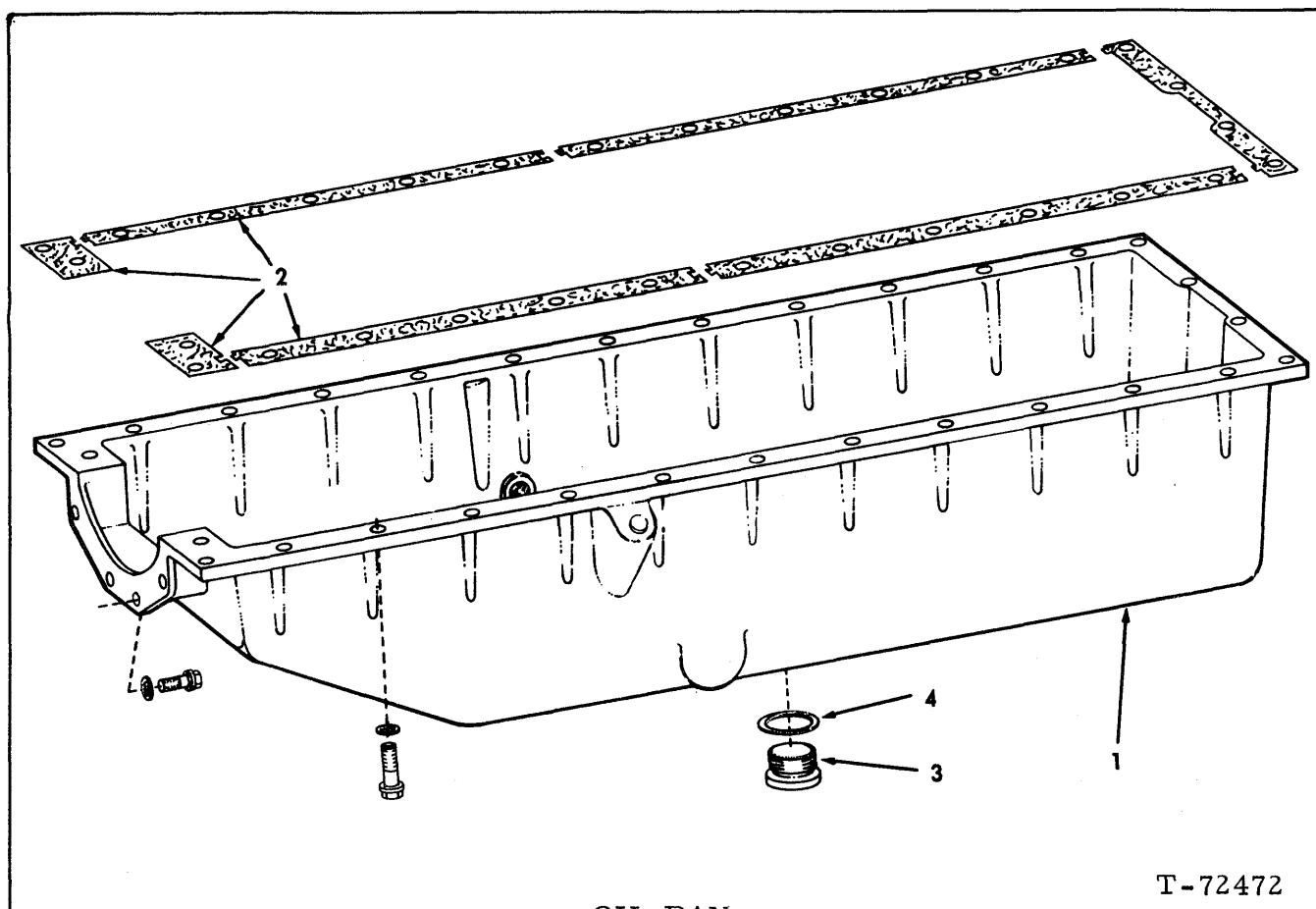
T-39379

USAGE: Engines prior to serial No. 16-10461 and 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	74395803	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 1980)



T-72472

OIL PAN

USAGE: Engines S/N 16-10461 and up, also #17-01756 and up (Also earlier 16000 and 17000 engines with oil pump conversion kit)

ITEM	PART NO.	QTY.	DESCRIPTION
1	74396471	1	PAN (aluminum)
	or 74396124	1	PAN (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)
	70921214	1	O-RING
2	74395803	1	GASKET SET
3	70035250	2	PLUG, drain
4	70667252	2	GASKET, drain plug

For engines prior to S/N 16-10871 and 17-03391 also order 1 Plug 70035250, 1 Gasket 70667252, 1 Plug 70921216 and 1 Plug 74362338

Engines #16-10871 and up, also #17-03391 and up

(Revised September 1980)

OIL PUMP

USAGE: Engines prior to serial No. 16-10461 and 17-01756

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	PUMP ASSY., pressure (See NOTE below)
2	70912274	2	CAPSCREW, socket-hd., 7/16"NC x 1-1/2"
	70904207	2	LOCKWASHER, 7/16"
3	74371253	2	DOWEL, hollow, pressure pump
4	74371345	1	GASKET, pressure pump suction line
5	74390368	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	74392324	1	COVER, pressure pump oil screen
12	70920029	2	CAPSCREW, 5/16"NC x 1-3/8"
	70904205	2	LOCKWASHER, 5/16"
	70916871	2	NUT, elastic stop, 5/16"NC
13	74026603	1	SCREEN, pressure oil pump
14	-----	1	PUMP ASSY., scavenging (See NOTE below)
15	70912274	2	CAPSCREW, socket-hd., 7/16"NC x 1-1/2"
16	74371253	2	DOWEL, hollow, scavenging pump
17	74371345	1	GASKET, scavenging pump suction line
18	74385537	1	SHAFT, scavenging pump drive
19	74385536	2	COUPLING, splined, scavenging pump drive
20	74385715	1	SPRING, pump drive shaft
21	74660423	1	GASKET, discharge line to block
22	74388133	1	TUBE, pressure pump discharge
23	70916314	2	CAPSCREW, 1/2"NC x 2"
	70904208	2	LOCKWASHER, 1/2"
24	74378558	2	CAPSCREW, drilled-hd., 3/8"NC x 1-1/8"
	70904206	2	LOCKWASHER, 3/8"
25	74371345	1	GASKET, discharge line to pump
26	74354573	1	VALVE ASSY., pressure relief (Consists of items 27 thru 29)
27	-----	1	BODY, pressure relief valve
28	-----	1	PISTON, pressure relief valve

} Not serviced
separately

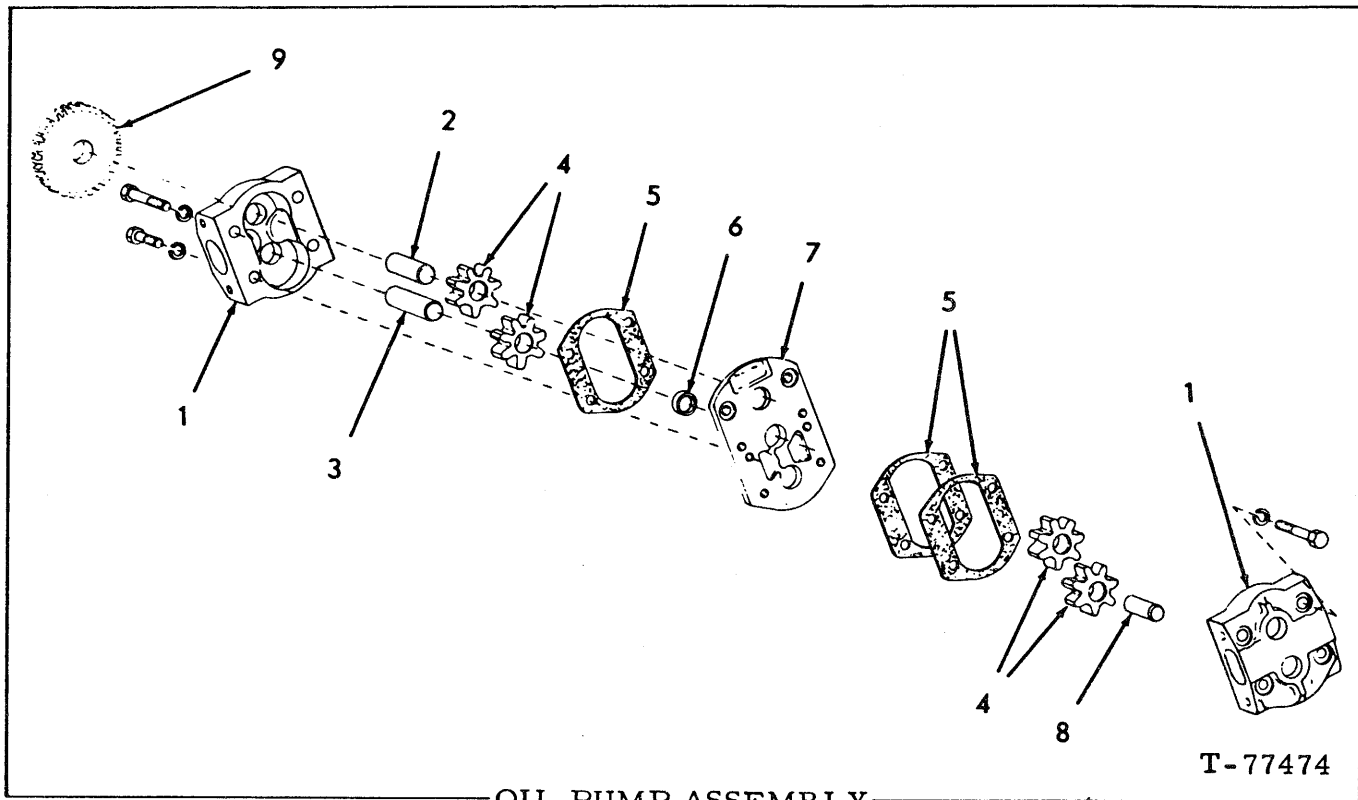
NOTE: Replacements for the original equipment pressure and scavenging pump assemblies (items 1 and 14) are no longer supplied. If replacement of either pump is necessary, install Oil Pump Conversion Kit 74394971) (See PACKAGED PARTS)

(Continued)

(Revised September 1980)

OIL PUMPS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
29	4354568	1	SPRING, pressure relief valve
	4359310	1	WASHER, plain
	0916001	1	PIN, spring, 3/16" x 1"
30	4509035	1	WIRE, locking, pressure relief valve
31	4391140	1	TUBE, suction, scavenging pump
32	4335600	1	CAPSCREW, drilled-hd., 5/16"NC x 7/8"
	0913755	2	WASHER, plain, SAE std., 5/16"
	0904205	1	LOCKWASHER, 5/16"
33	4348691	1	WIRE, locking, #18 x 6"
34	4378558	2	CAPSCREW, drilled-hd., 3/8"NC x 1-1/8"
	0904206	2	LOCKWASHER, 3/8"
35	4509035	1	WIRE, locking, #18 x 10"
36	4348684	1	COVER, scavenging pump screen
37	0915813	2	CAPSCREW, 5/16"NC x 7/8"
	0904205	2	LOCKWASHER, 5/16"
38	4348683	1	SCREEN, scavenging oil pump
39	4348682	1	RETAINER, scavenging oil pump screen

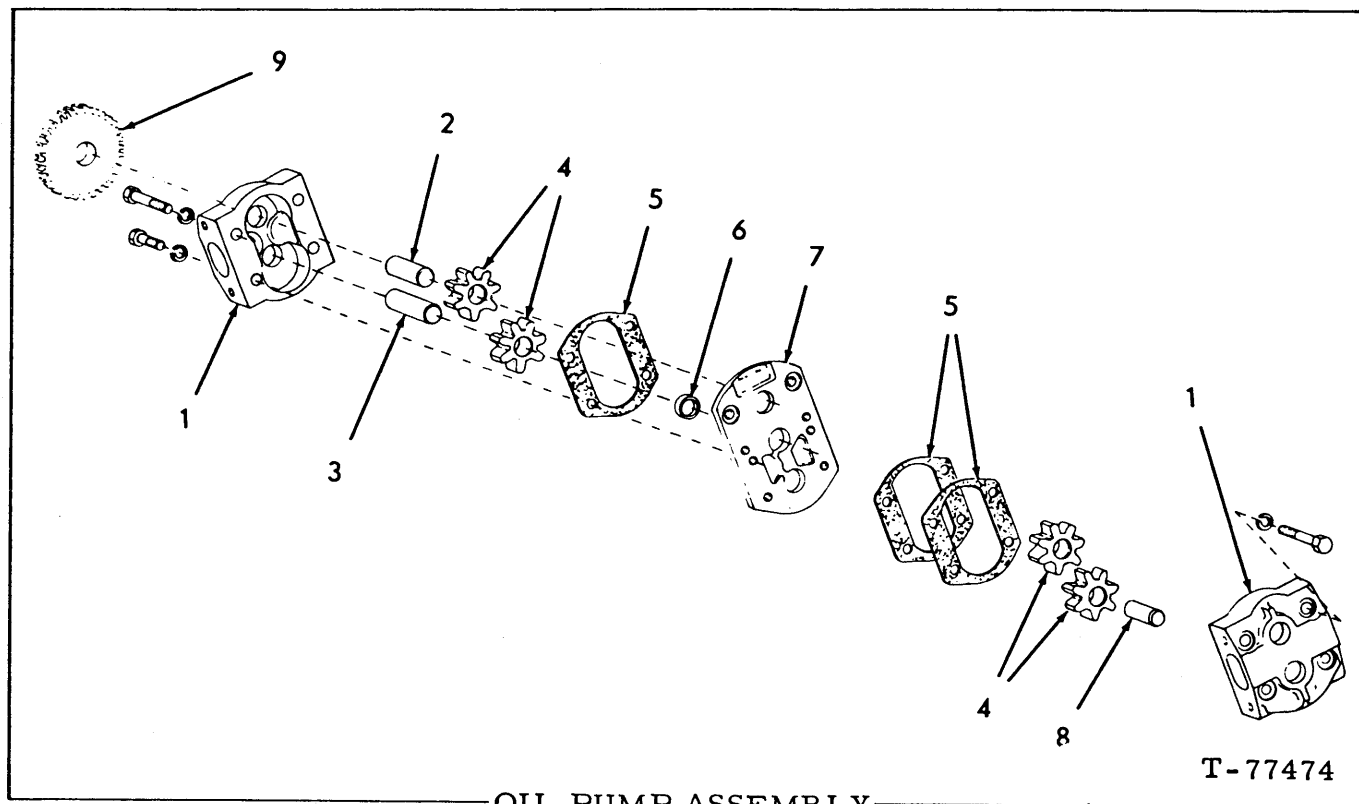


OIL PUMP ASSEMBLY

USAGE: Model 16000 and 17000 MK II engines. (See page 40)

ITEM	PART NO.	QTY.	DESCRIPTION
-	74396769	1	PUMP ASSY. (Includes items 1 thru 9)
1	74396761	2	BODY ASSY.
	70920594	6	CAPSCREW, 7/16"NF x 2"
	70928211	2	CAPSCREW, 7/16"NF x 3-3/4"
	70907863	8	LOCKWASHER, 7/16"
2	74396107	1	SHAFT
3	74396108	1	SHAFT
4	74007877	4	GEAR (Replace in pairs)
5	74393349	3	GASKET
6	74393346	1	BUSHING
7	74396763	1	PLATE ASSY. (Includes item 6)
8	74396109	1	SHAFT
9	74393355	1	GEAR, helical

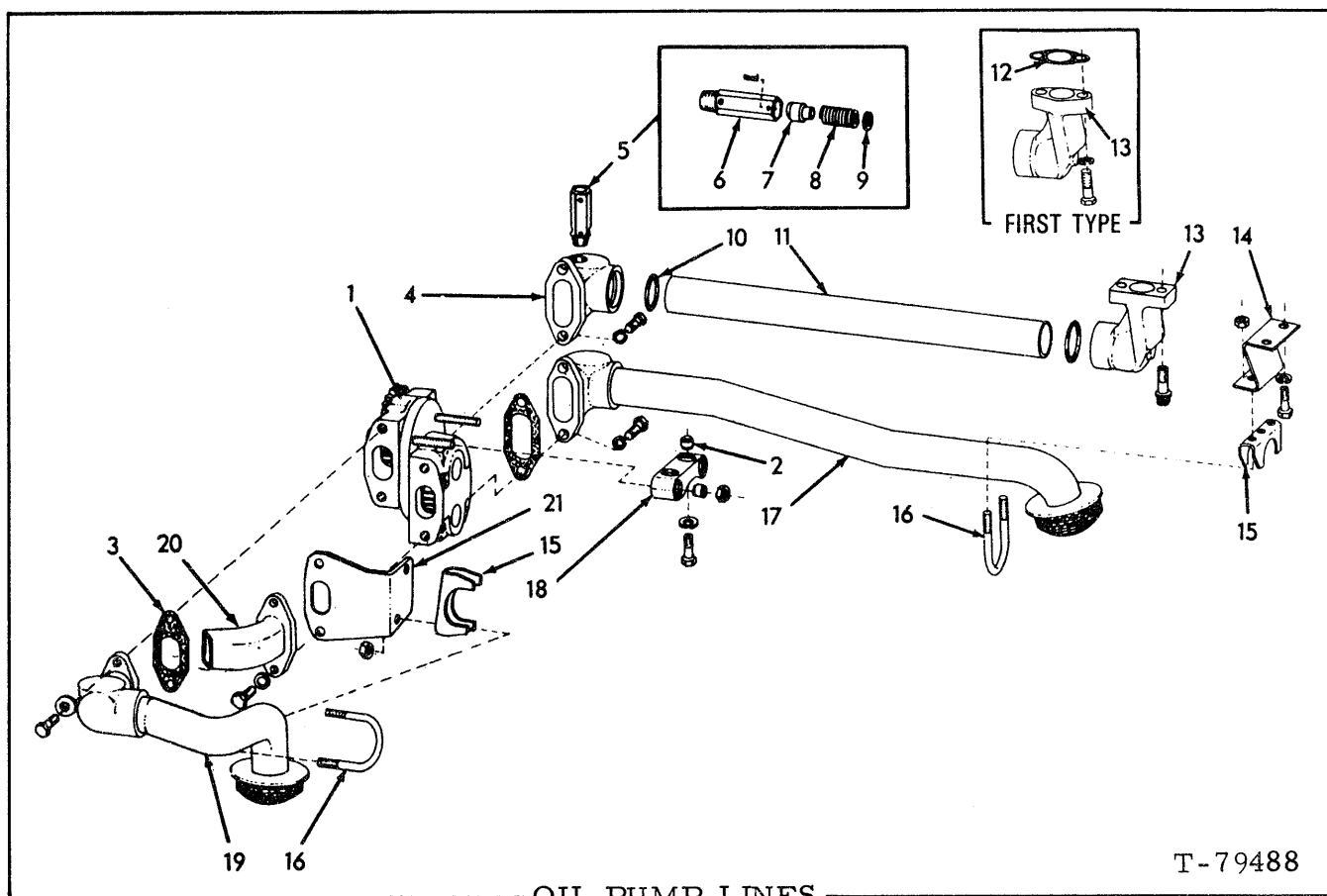
(Revised July 1981)



USAGE: Model 6138 LT engines. (See page 40)

ITEM	PART NO.	QTY.	DESCRIPTION
-	74396770	1	PUMP ASSY. (Includes items 1 thru 9)
1	74396761	2	BODY ASSY.
	70920594	6	CAPSCREW, 7/16"NF x 2"
	70928211	2	CAPSCREW, 7/16"NF x 3-3/4"
	70907863	8	LOCKWASHER, 7/16"
2	74396107	1	SHAFT
3	74396108	1	SHAFT
4	74007877	4	GEAR (Replace in pairs)
5	74393349	3	GASKET
6	74393346	1	BUSHING
7	74396763	1	PLATE ASSY. (Includes item 6)
8	74396109	1	SHAFT
9	74394667	1	GEAR, spur

(Added July 1981)



USAGE: Engines S/N 16-10461 and up or 17-01756 and up. Also 6138 LT engines.
(Earlier engines with one-piece replacement oil pump and flat oil pan)

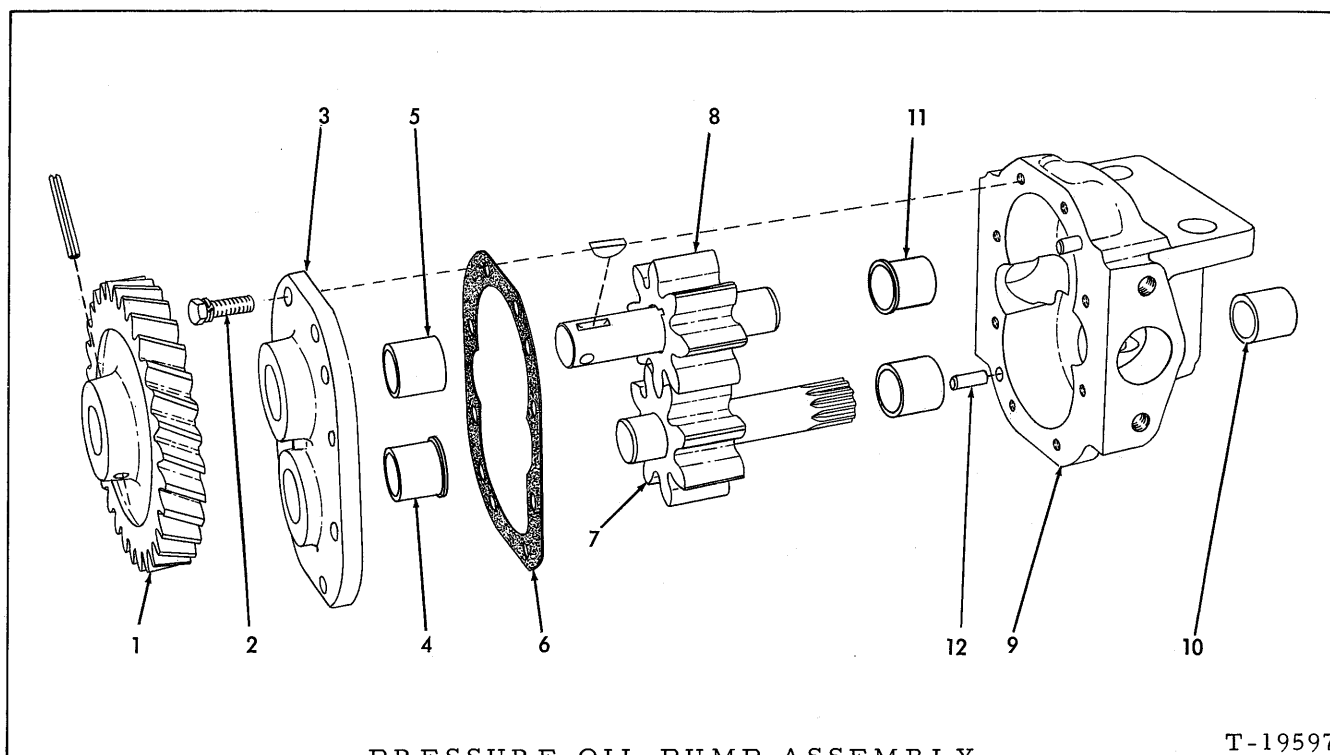
ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	PUMP ASSY. (See pages 39 and 39A)
	70928212	2	NUT, 7/16"NC
2	74395024	4	DOWEL
3	74393359	4	GASKET (2 less used effective engine #16-10922)
4	74395971	1	ELBOW
	70923193	2	CAPSCREW, 3/8"NF x 1-1/4" (All 16000 engines. 17000 engines prior to S/N 17-05447)
	70924228	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 items 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 #16-10922)
(Continued)			

(Revised September 1980)

OIL PUMP LINES (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
13	74393363	1	ELBOW (Engines prior to #16-10922)
	70916313	2	CAPSCREW, 1/2"NC x 1-3/4"
	70904208	2	LOCKWASHER, 1/2"
	74395053	1	ELBOW (Engines #16-10922 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"
15	74393601	2	SADDLE
16	74393600	2	U-BOLT
	70916871	4	NUT, elastic stop, 5/16"NC
17	74393356	1	TUBE
	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	74393360	1	TUBE
	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 #16-10922 and up)

(Revised September 1980)

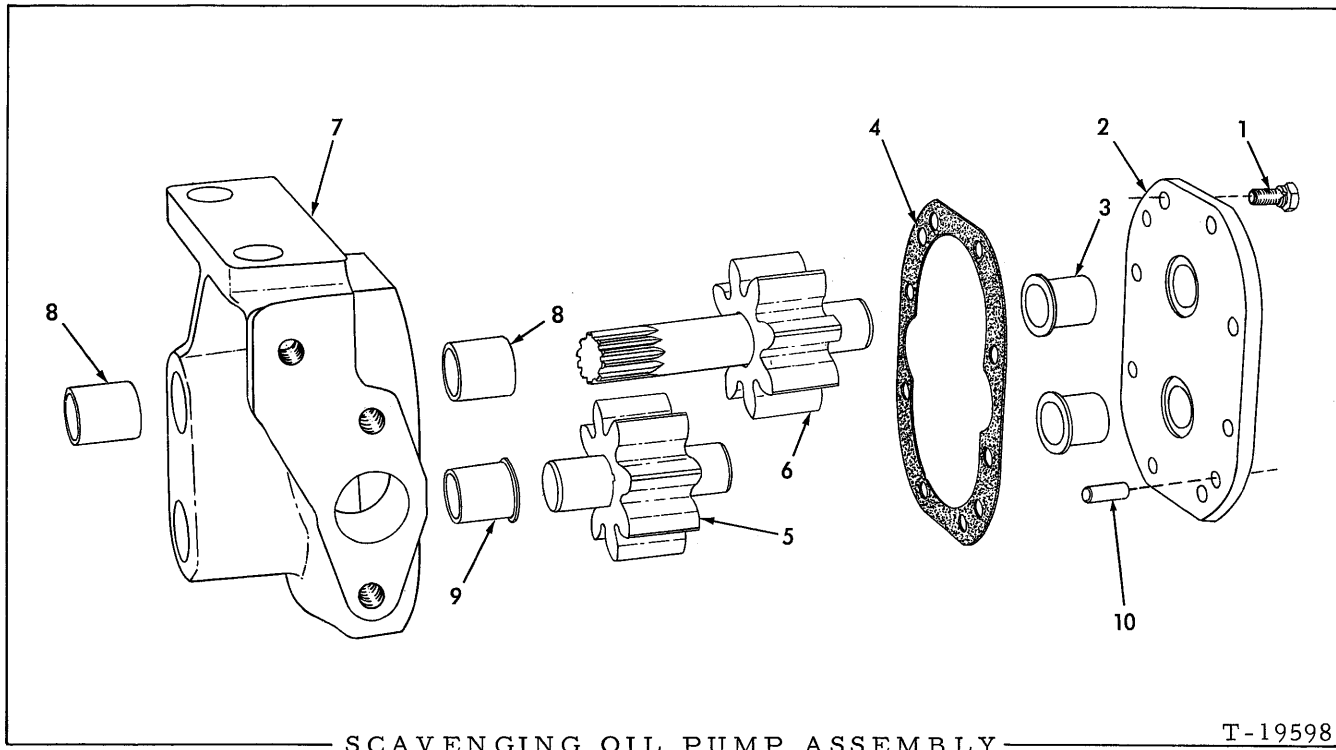


PRESSURE OIL PUMP ASSEMBLY

T-19597

USAGE: See page 37

ITEM	PART NO.	QTY.	DESCRIPTION
-	4390076-0	1	PUMP ASSY., pressure (Includes items 1 thru 12)
1	4389054-0	1	GEAR, driving
	0915989-8	1	PIN, spring, 3/16" x 1-3/8"
	0910224-5	1	KEY, #6 woodruff, 5/32" x 5/8"
2	0923408-9	8	CAPSCREW, pump cover (Includes lockwasher)
3	4377037-9	1	COVER ASSY. (Includes items 4 and 5)
4	4377038-7	1	BUSHING, pump cover (flanged)
5	4371270-2	1	BUSHING, pump cover (plain)
6	4371300-7	1	GASKET, cover
7	4379415-5	1	SHAFT AND GEAR ASSY., lower
8	4390078-6	1	SHAFT AND GEAR ASSY., upper
9	4390075-2	1	BODY ASSY. (Includes items 10 thru 12)
10	4371270-2	2	BUSHING, pump body (plain)
11	4377039-5	1	BUSHING, pump body (flanged)
12	0917555-5	2	PIN, dowel, pump body

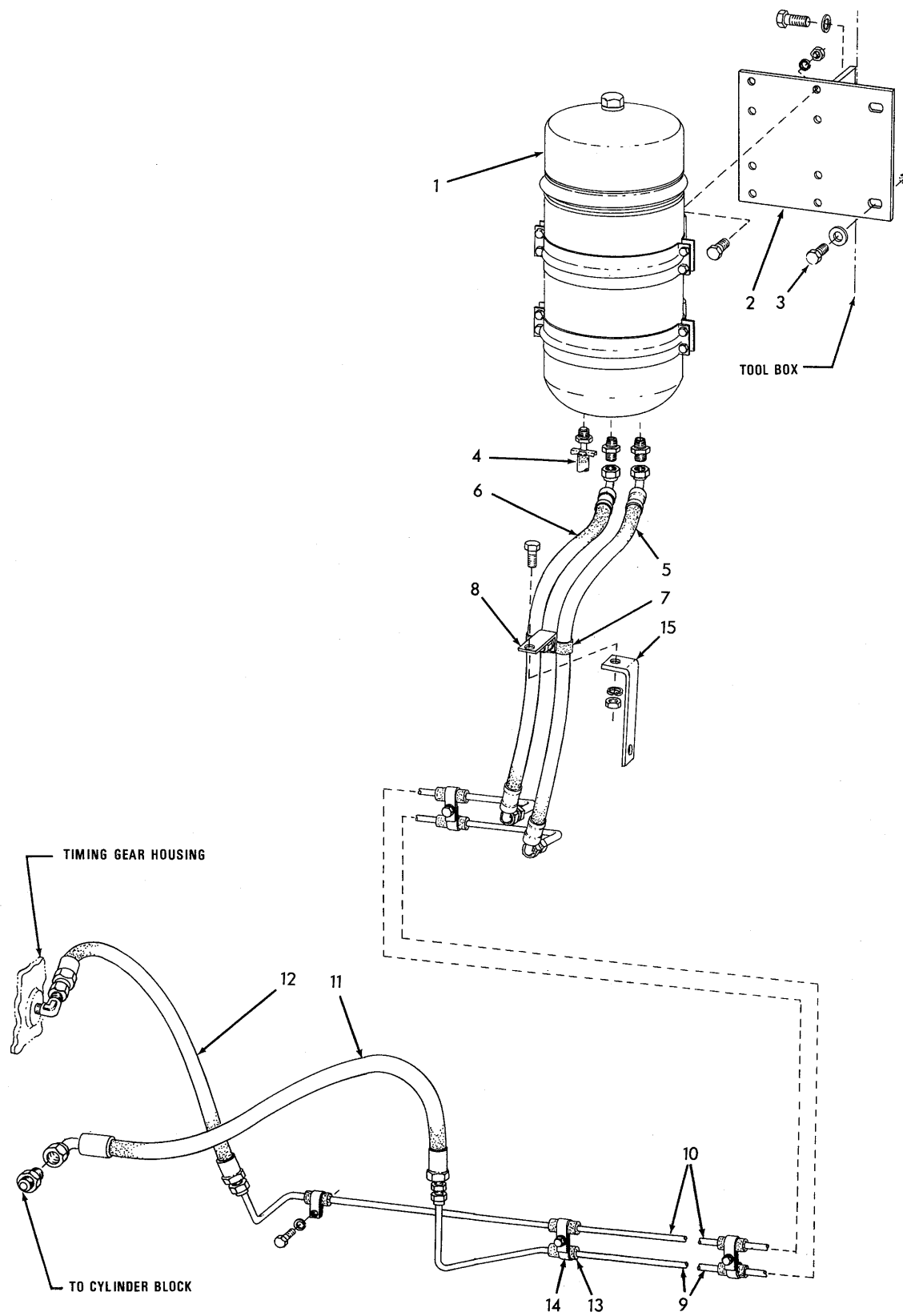


SCAVENGING OIL PUMP ASSEMBLY

T-19598

USAGE: See page 37

ITEM	PART NO.	QTY.	DESCRIPTION
-	4388485-7	1	PUMP ASSY., scavenging (Includes items 1 thru 10)
1	0923408-9	8	CAPSCREW, pump cover (Includes lockwasher)
2	4377050-2	1	COVER ASSY. (Includes item 3)
3	4377039-5	2	BUSHING, pump cover
4	4371300-7	1	GASKET, pump cover
5	4377054-4	1	SHAFT AND GEAR ASSY., lower
6	4379610-1	1	SHAFT AND GEAR ASSY., upper
7	4388486-5	1	BODY ASSY. (Includes items 8 thru 10)
8	4371270-2	2	BUSHING, pump body (plain)
9	4377039-5	1	BUSHING, pump body (flanged)
10	0917555-5	2	PIN, dowel, pump body



OIL FILTER LINES (By-pass Type)

T-75753

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 dozer hydraulics
	70910286	8	LOCKWASHER, 5/16"	
	70911025	8	NUT, 5/16"NC	} For units with 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 equipped with dozer 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	
	70921175	1	CAPSCREW, 1/2"NC x 1"	
	70912441	1	LOCKWASHER, 1/2"	
	70911028	1	NUT, 1/2"NC	
9	70663154	1	TUBE ASSY., oil supply (Includes nuts)	
10	70663153	1	TUBE ASSY., oil return (Includes nuts)	
11	70668209	1	HOSE, oil supply line, front (See HOSE PARTS)	
	70919205	1	CONNECTOR, flare type, 1/2" tube, 1/4"NPT male	
	70919066	1	UNION, flare type, 1/2" tube	
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"	
15	70653046	1	ANGLE, hose supporting	

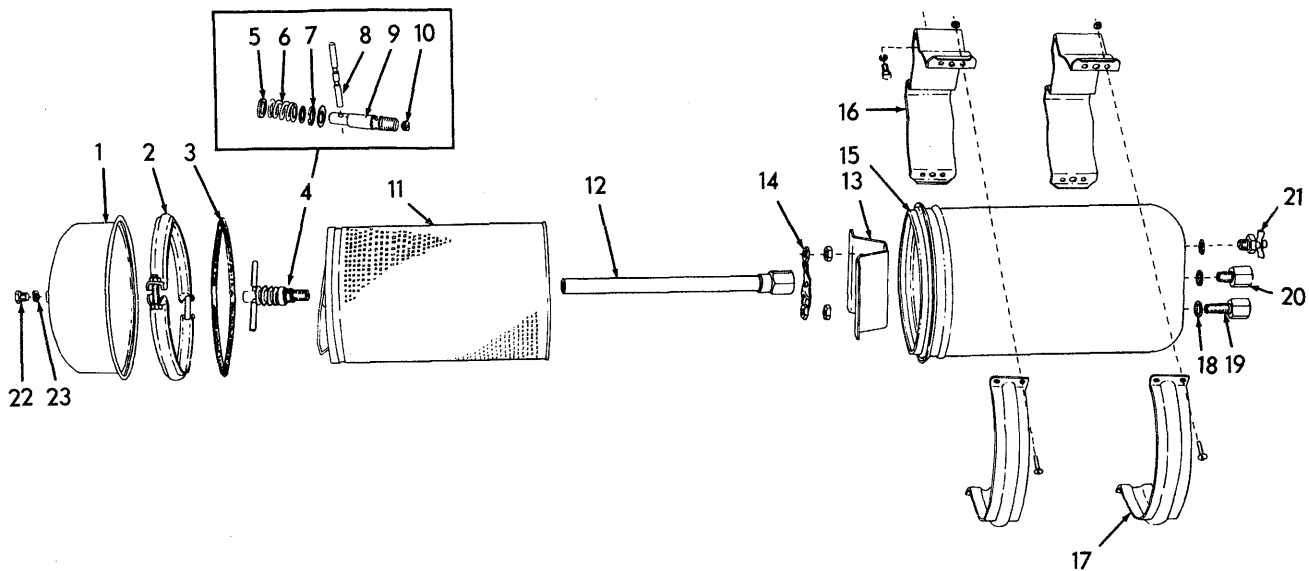
NOTE: See PAINTING AND MARKING for
instruction transfers applied to filter.

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, plain
	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
8	74396318	2	GASKET, filter body
9	74339021	2	BODY (Includes item 8)
	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

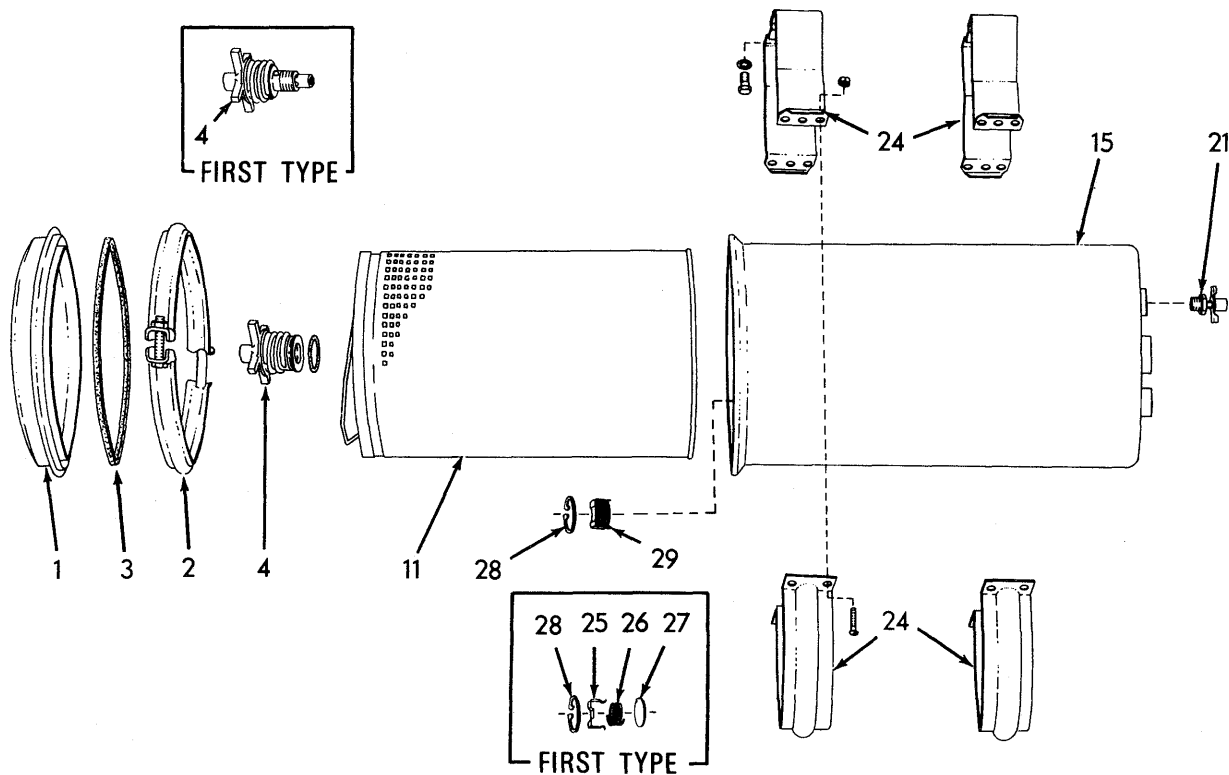
NOTE: See PAINTING AND MARKING for instruction
transfer applied to filter

(Revised June 1981)



LUBER-FINER DESIGN

T-74660



FLEETGUARD DESIGN

T-76480

OIL FILTER (By-pass type)

OIL FILTER (By-pass type)

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

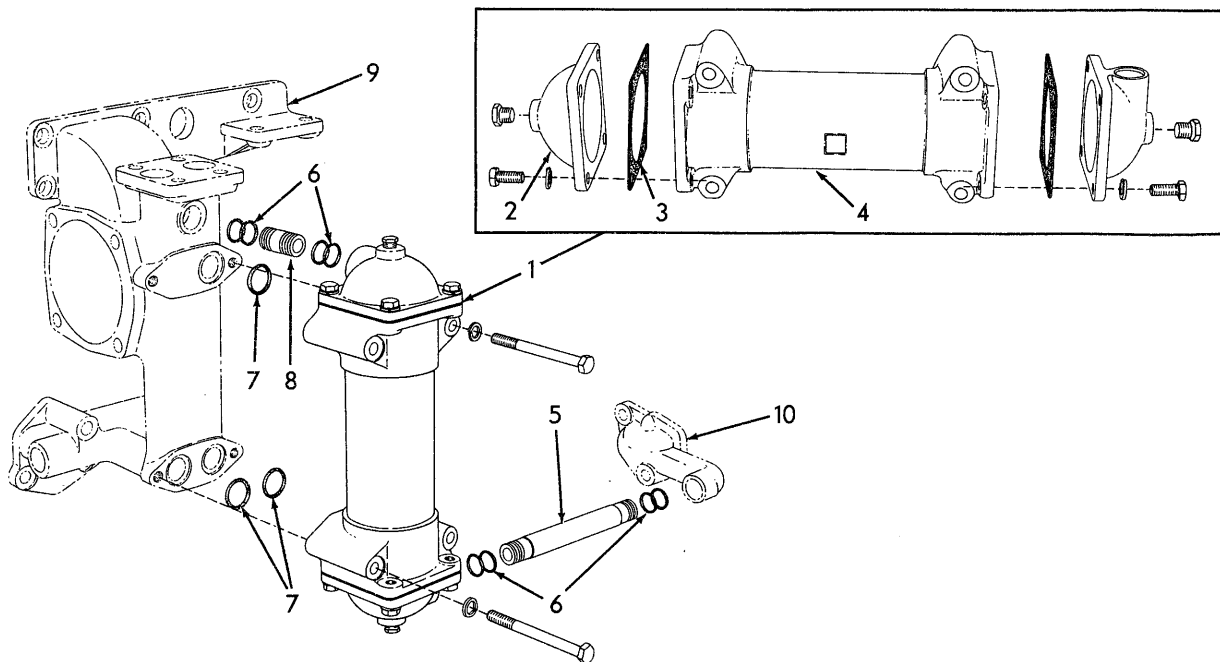
ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
-	74390593	1 -	FILTER ASSY. (Includes items 1 thru 23)
-	74390593	- 1	FILTER ASSY. (Includes items 1 thru 4, 11, 15, 21 24 thru 29)
1	74059262	1 -	COVER
	74059813	- 1	COVER
2	70630540	1 -	RING ASSY. (Includes nut and bolt)
	74059814	- 1	COUPLING ASSY. (Includes 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 intial 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

(Continued)

OIL FILTER (By-pass)(Continued)

ITEM	PART NO.	QTY. * **	DESCRIPTION
22	70084897	1 -	PLUG
23	70084899	1 -	WASHER
24	74061786	- 1	BRACKET ASSY. (2-piece, includes hardware. 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

} First type. Order item 29.



T-19653

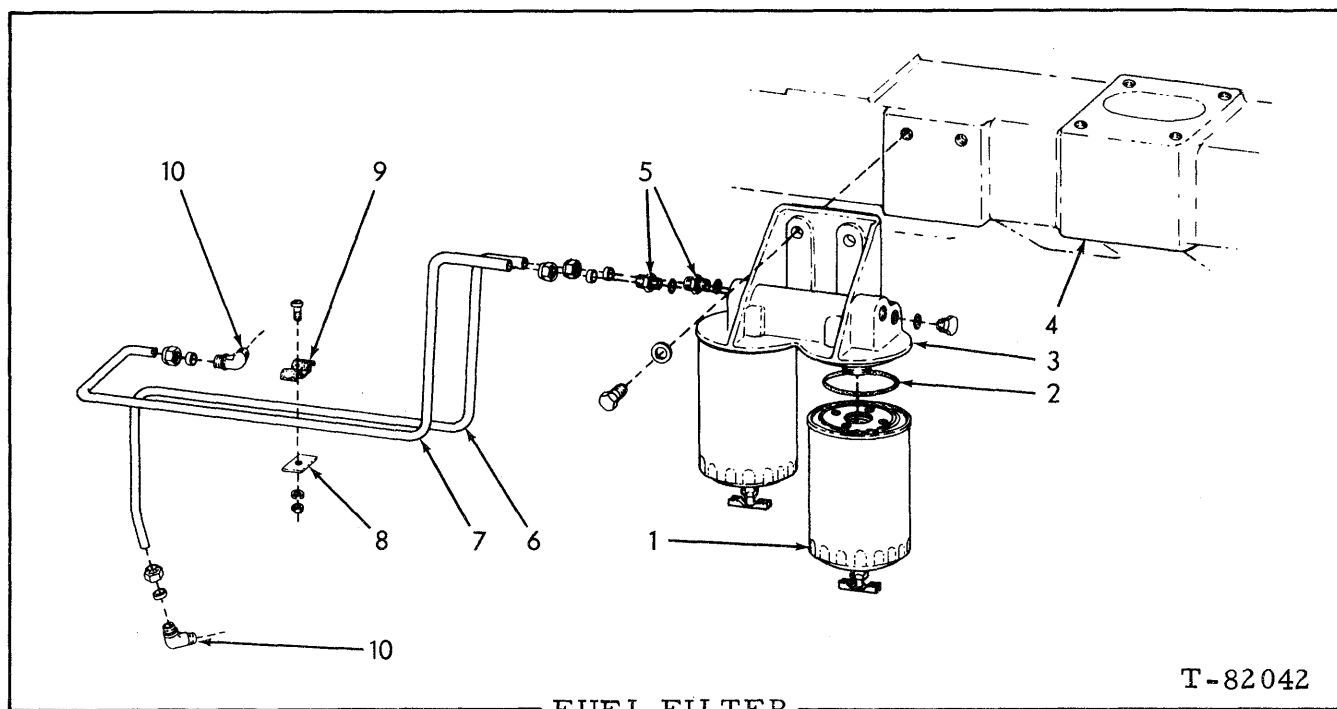
OIL COOLER

USAGE: 16000 MK II engines (Also see pages 103A and 103C)

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

1	74388395	1	EXCHANGER ASSY., heat, lubricating oil (Consists of items 2 thru 4)
	70919801	4	CAPSCREW, 3/8"NC x 4"
	70904206	4	LOCKWASHER, 3/8"
2	74386642	1	BONNET, heat exchanger core, lower
	74388394	1	BONNET, heat exchanger core, upper
	70919840	2	PLUG, pipe, hex-hd., 1/4"NPT
	70915408	8	CAPSCREW, 3/8"NC x 3/4"
	70904206	8	LOCKWASHER, 3/8"
3	74349984	2	GASKET, heat exchanger core
4	74376991	1	CORE, heat exchanger
5	74386864	1	TUBE, water, heat exchanger to manifold
6	70923379	8	O-RING, heat exchanger water tubes
7	74255631	2	O-RING, heat exchanger to manifold
8	74389129	1	TUBE, water, heat exchanger to manifold
9	-----	-	MANIFOLD, water and oil (See WATER INLET MANIFOLD)
10	-----	-	FLANGE, water pump (See WATER OUTLET MANIFOLD)

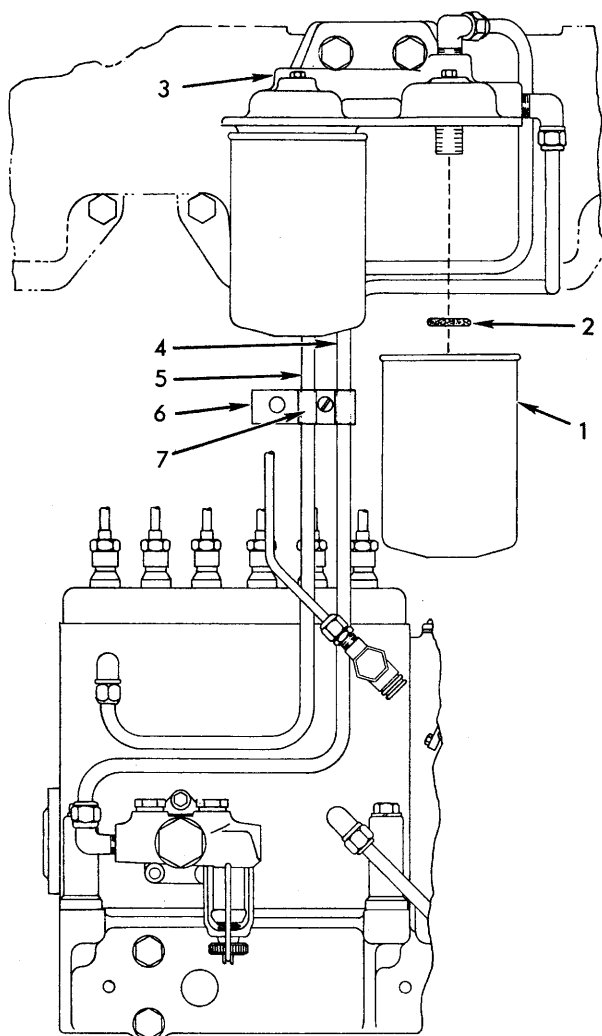
(Revised June 1981)



USAGE: 6138 LT engine

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. (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 74)
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

(Revised September 1980)



FUEL FILTER

T-75825

USAGE: Engines prior to serial No. 16-10458

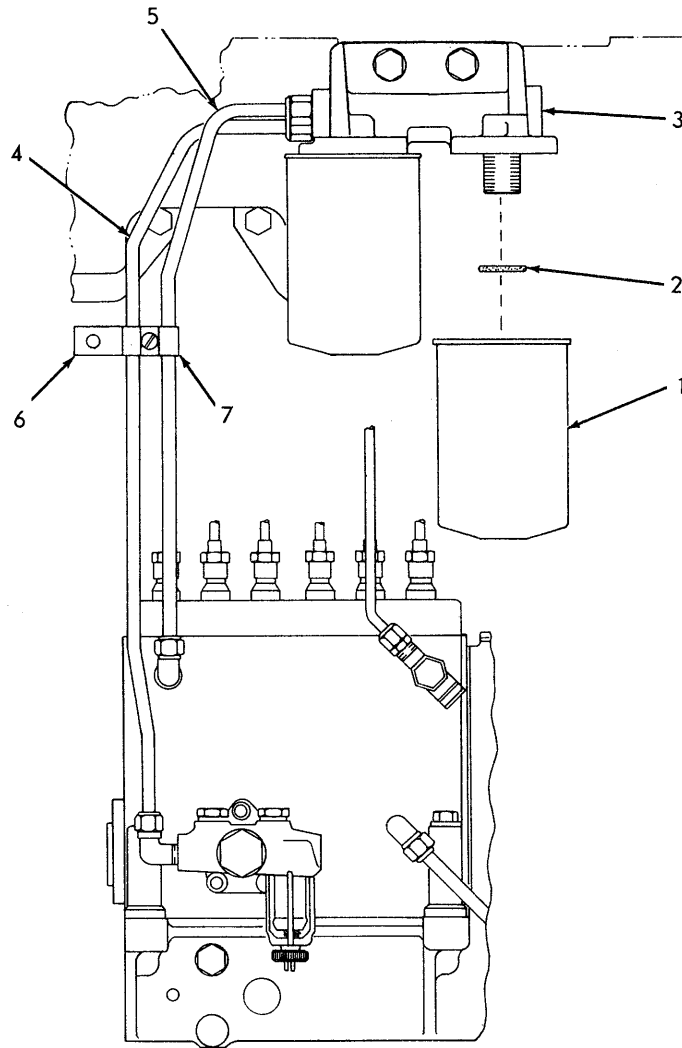
ITEM	PART NO.	QTY.	DESCRIPTION
1	74028945	2	ELEMENT, filter (Includes item 2)
2	-----	2	O-RING (Not serviced)
3	74392498	1	BASE ASSY., filter (Includes Plug and Inserts not serviced separately; and PLUGS indented below)
	70919134	2	PLUG, pipe, hex-hd., hd., 1/8"NPT
	70919230	2	CAPSCREW, 1/2"NC x 1-3/8"
	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)

(Revised April 1976)

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. 16-10458 - up

ITEM PART NO. QTY. DESCRIPTION

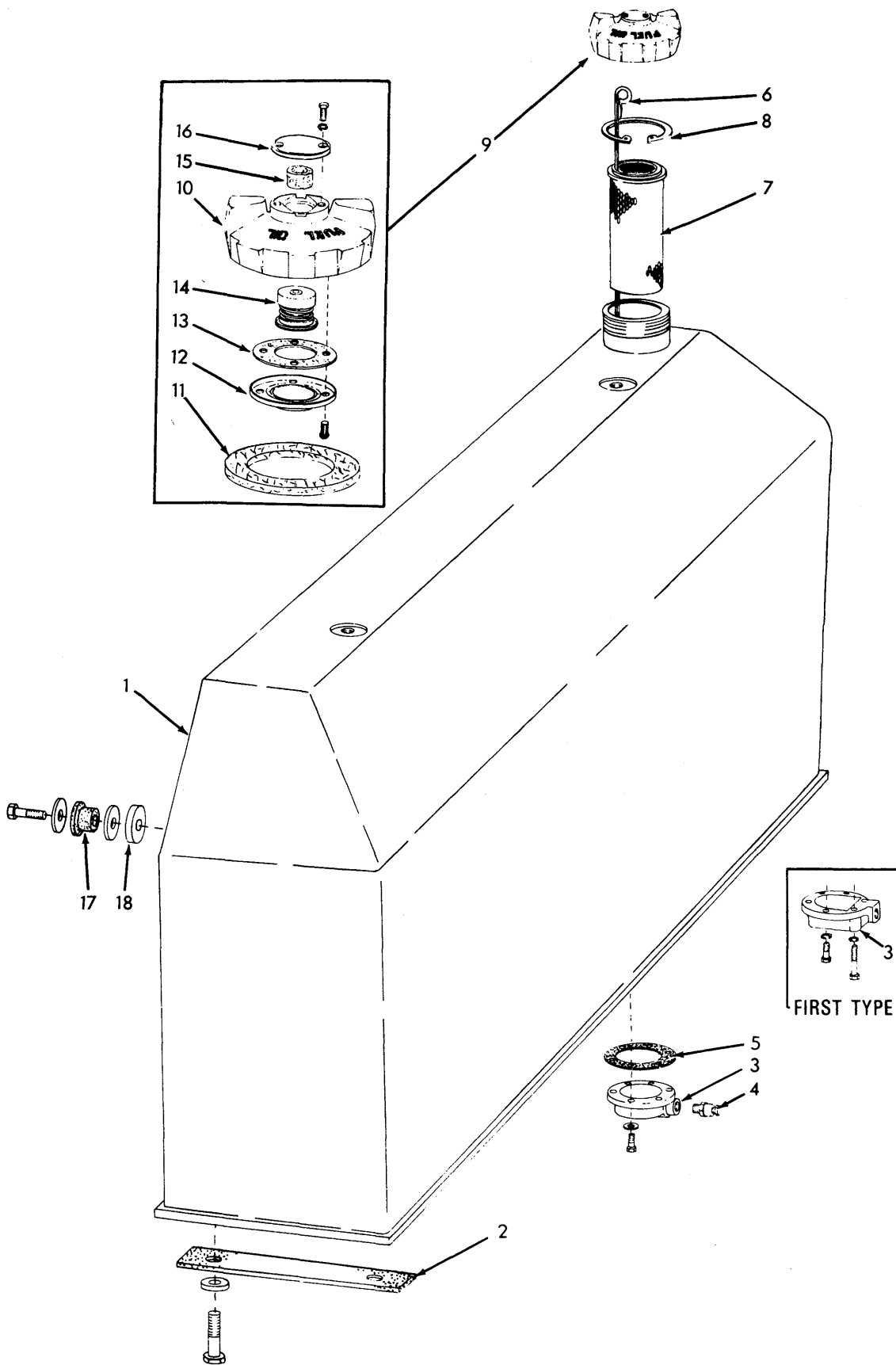
1	4028945	2	ELEMENT, filter (Includes item 2)
2	0923934	2	O-RING
3	4393077	1	BASE ASSY., filter (Includes Inserts not serviced separately)
	0922577	2	PLUG, hex. - hd., 3/8" tube, 9/16" str. thd. (Includes O-RING)
	0921885	2	O-RING, plug
	70915987	2	CAPSCREW, 1/2"NC x 1-1/2"
	70912441	2	LOCKWASHER, 1/2"
	70912007	2	WASHER, plain

(Continued)

(Revised May 1975)

FUEL FILTER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
4	4393765	1	TUBE
	0917810	2	NUT, Imperial, 3/8" tube
	0917807	2	SLEEVE, Imperial, 3/8" tube (rubber)
	0920280	1	ELBOW, Imperial, 3/8" tube, 1/4"PT (at transfer pump)
	4359776	1	CONNECTOR, (Includes O-RING)
	0921885	1	O-RING, connector
5	4393764	1	TUBE
	0917810	2	NUT, Imperial, 3/8" tube
	0917807	2	SLEEVE, Imperial, 3/8" tube (rubber)
	0920280	1	ELBOW, Imperial, 3/8" tube, 1/4"PT (at fuel pump)
	4359776	1	CONNECTOR (Includes O-RING)
	0921885	1	O-RING, connector
6	74393090	1	SUPPORT, clip
7	74394178	1	CLIP
	0912226	1	SCREW, fil. hd., 1/4"NC x 5/8"
	0904204	1	LOCKWASHER, 1/4"
	0910880	1	NUT, 1/4"NC



FUEL TANK

T-75077

(Revised July 1976)

FUEL TANK

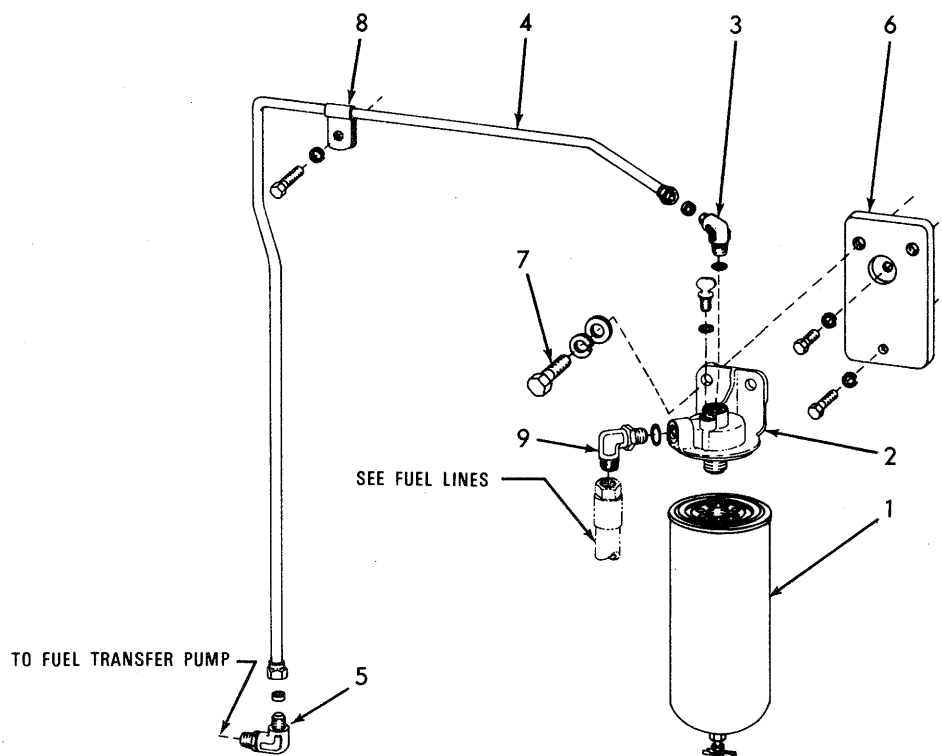
ITEM	PART NO.	QTY.	DESCRIPTION
1	70664682	1	TANK, fuel (Includes items with symbol Δ)
	70928291	8	CAPSCREW, 3/4" NC x 2-1/2"
	70677012	8	WASHER
2	70664887	4	PAD, tank mounting (fabric)
3	70662132	1	COVER, fuel tank drain
	70922763	4	CAPSCREW, 3/8" NC x 1"
	70920995	2	CAPSCREW, 3/8" NC x 2"
	70910287	6	LOCKWASHER, 3/8"
	70695807	1	Δ COVER, fuel tank drain
	70922262	6	Δ CAPSCREW, 3/8" NC x 7/8"
	70930370	6	Δ WASHER
4	70633519	1	Δ COCK, drain
5	70656227	1	Δ GASKET, drain cover
6	70664075	1	GAUGE, fuel level
7	70650509	1	STRAINER, fuel filler
8	70654840	1	RING, snap, fuel strainer
9	70668252	1	Δ CAP 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, #10-24 NC 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., #10-24 NC 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

Δ Component of item one

(Revised July 1981)



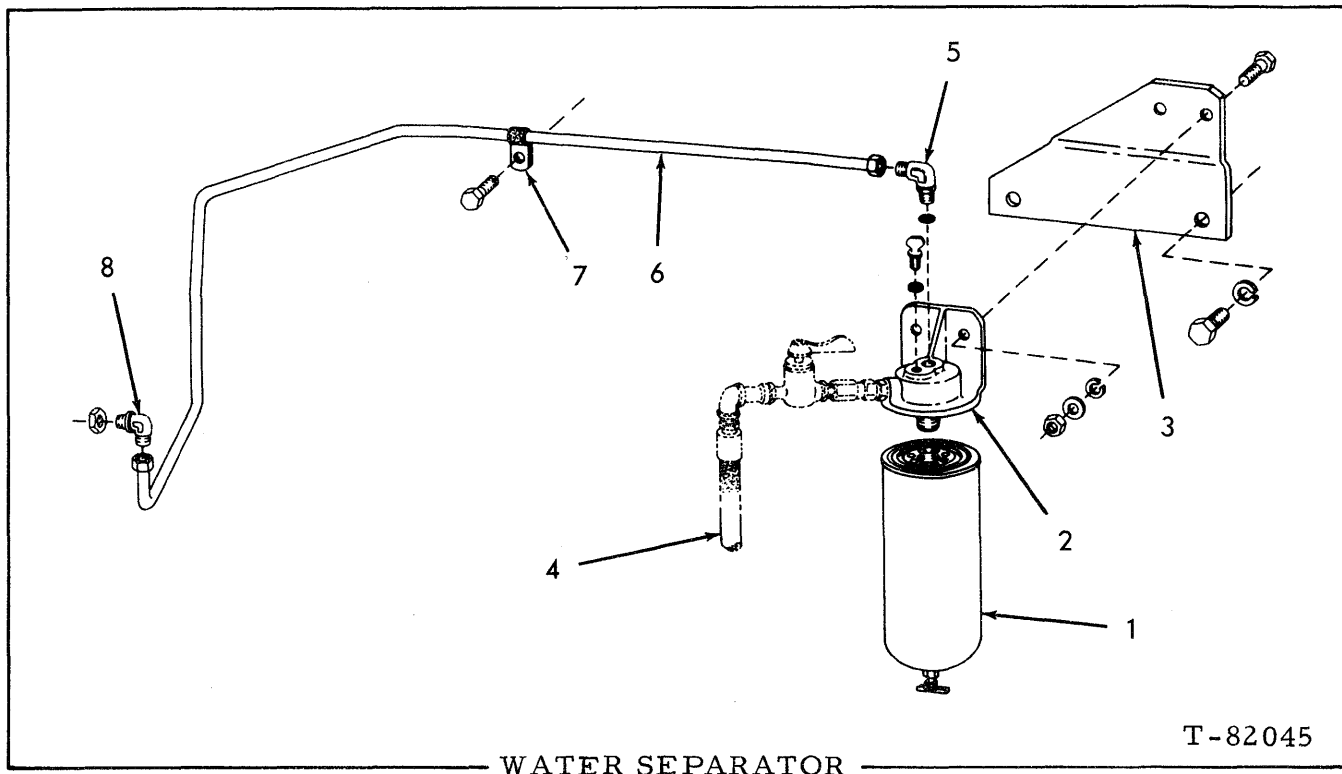
T-79327

WATER SEPARATOR

USAGE: Engines S/N 16-10895 and up or 17-03526 and up.

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 (Not illustrated)
	74251367	1	WASHER, copper }
	74036540	1	SCREW, thumb }
	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

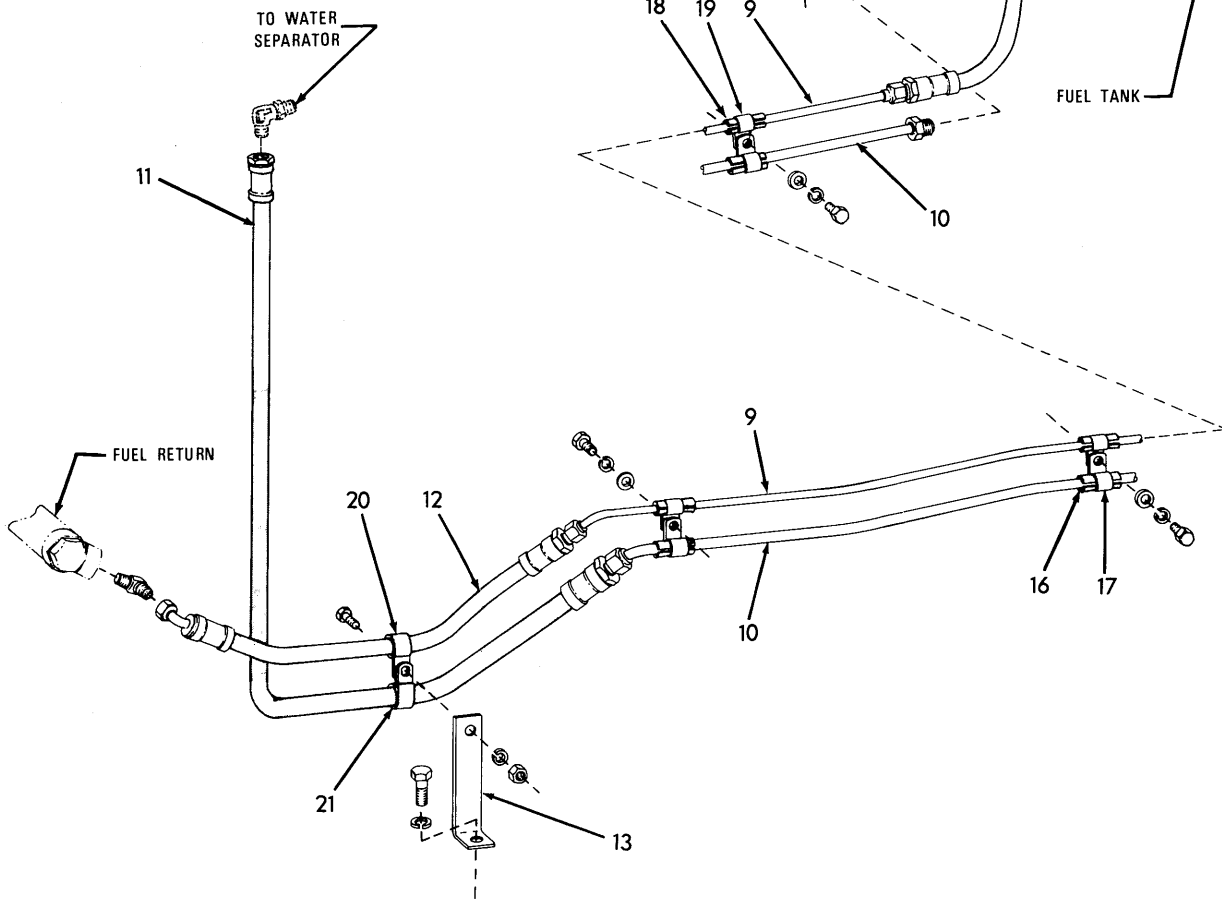
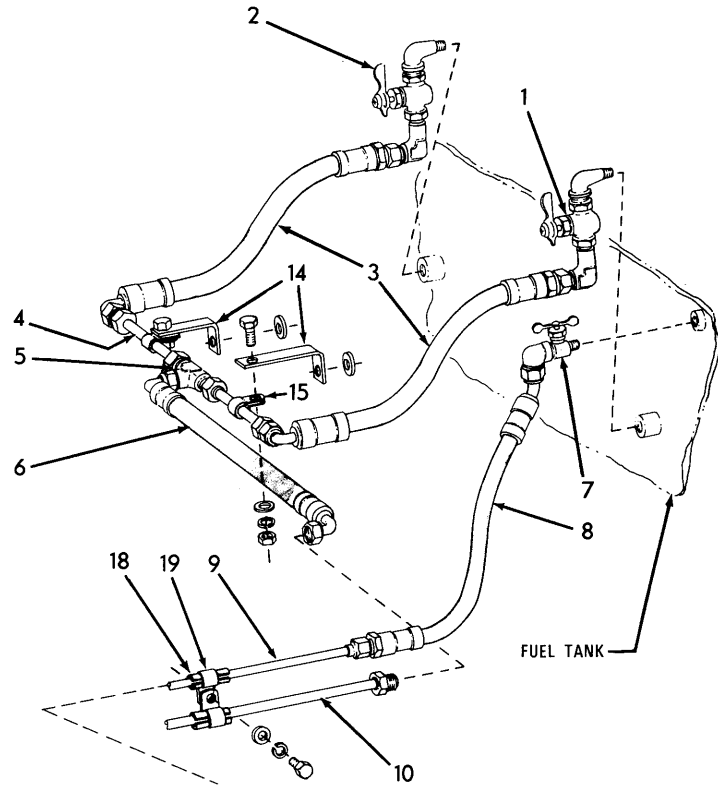
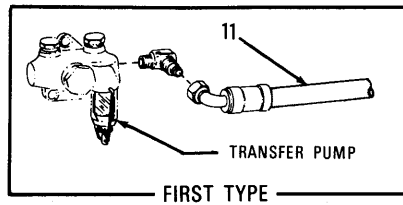
(Added September 1980)



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 58)
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"

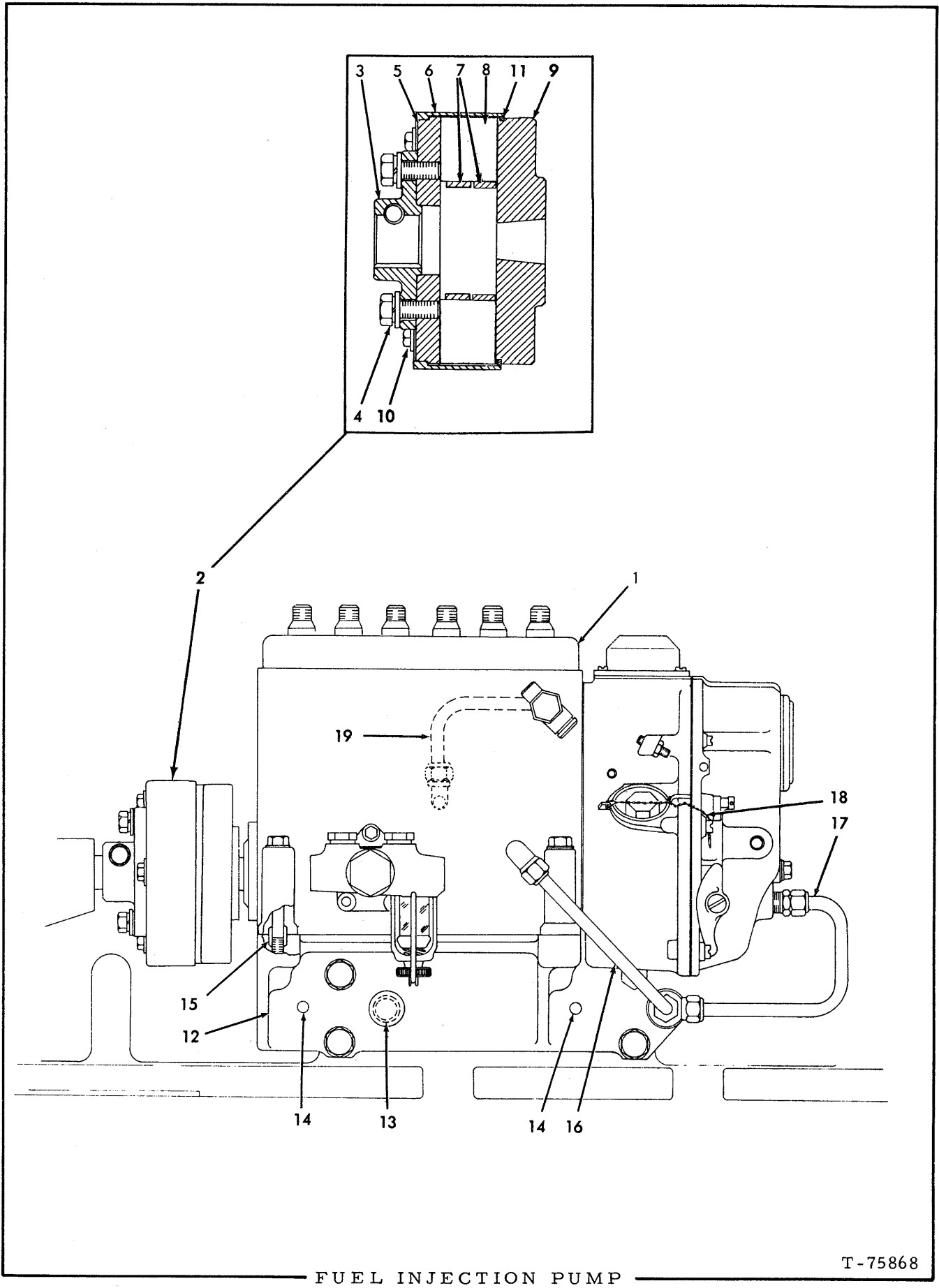
(Added September 1980)



FUEL LINES

ITEM	PART NO.	QTY.	DESCRIPTION
1	70092727	2	COCK, fuel shut-off (Includes item 2)
	70901723	2	ELBOW, street, 90°, 3/8"NPT
2	70082189	2	HANDLE, fuel shut-off cock
3	70664869	2	HOSE, fuel supply, rear (See HOSE PARTS)
	70923641	2	ELBOW, flare type, 1/2" tube, 3/8"NPT male
4	70664865	2	TUBE ASSY., fuel supply
5	70921472	1	TEE, union, flare type, 1/2" tube
6	70664870	1	HOSE, fuel supply, rear (See HOSE PARTS)
7	70914378	1	VALVE, shut-off, fuel return line (1/4"NPT ends)
8	70648231	1	HOSE, fuel return, rear (See HOSE PARTS)
	70921852	1	ELBOW, flare type, 90°, 3/8" tube, 1/4"NPT female
9	70664880	1	TUBE ASSY., fuel return (Includes nuts)
10	70664878	1	TUBE ASSY., fuel supply (Includes nuts)
11	70674814	1	HOSE (Order components)(See HOSE PARTS)
	70922872	1	ELBOW, flare type, 90°, 1/2" tube, 1/4"NPT male
	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, hose supporting
	70920582	1	CAPSCREW, 1/2"NC x 1-1/4"
	70912441	1	LOCKWASHER, 1/2"
14	70096164	2	ANGLE, tube supporting
	70677008	2	WASHER, plain
15	70094527	2	CLIP, tube supporting
	70922763	2	CAPSCREW, 3/8"NC x 1"
	70677006	2	WASHER, plain
	70911026	2	NUT, 3/8"NC
16	70093752	3	BOOT, tube protecting (1/2" tube)
17	70097534	3	CLIP, fuel supply tube
	70922262	3	CAPSCREW, 3/8"NC x 7/8"
	70677006	3	WASHER, plain
18	70093751	3	BOOT, tube protecting (3/8" tube)
19	70055234	3	CLIP, fuel return tube
20	70094467	1	CLIP, hose supporting
	70922763	1	CAPSCREW, 3/8"NC x 1"
	70677006	1	WASHER, plain
	70911026	1	NUT, 3/8"NC
21	70622992	1	CLIP, hose supporting

(Revised September 1980)



FUEL INJECTION PUMP

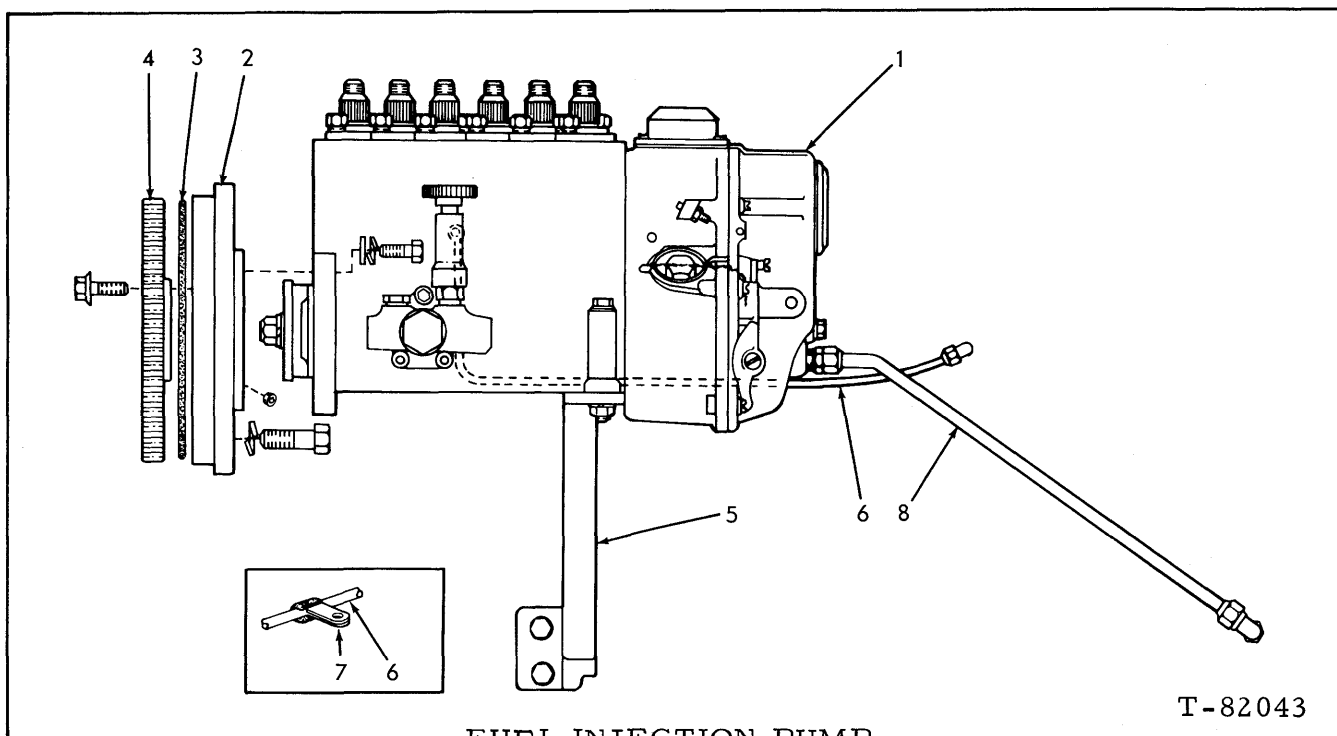
T-75868

FUEL INJECTION PUMP

USAGE: 16000 and 17000 engines.

ITEM	PART NO.	QTY.	DESCRIPTION
1	74061638	1	PUMP KIT., injection (Includes item 2)(Service replacement for original factory adjusted PUMP ASSEMBLIES 74392769, 74394062 and 74394771)
	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 #16-10486)
	{ 74394009	1	COUPLING (Includes items 3 thru 11)(Engine #16-10486 and up)
3	74394318	1	CLAMP, hub
	70927322	1	CAPSCREW, 3/8"NF 2 "
	70910287	1	LOCKWASHER, 3/8" } Clamping
4	70921076	2	CAPSCREW, 3/8"NC x 1-1/4"
	70677006	2	WASHER, plain
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, plain
	70904204	3	LOCKWASHER, 1/4"
11	74061042	1	SHIELD, dust (For COUPLING 74394009 only)
12	{ -----	1	BRACKET (Engines prior to #16-10624) (Order 74394301 and 2
	{ 74394301	1	BRACKET (Engine #16-10624 and up) Dowel 74394302)
	70916311	4	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	4	LOCKWASHER, 1/2"
13	74255665	2	O-RING
14	74253286	2	PIN, dowel
15	{ 74392630	2	DOWEL, hollow (Engines prior to #16-10624)
	{ 74394302	2	DOWEL, hollow (Engine #16-10624 and up)
16	74392494	1	TUBE ASSY. (Includes SLEEVES and NUTS)
	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 pump)
	70921841	1	TEE, service, Imperial, 3/8" tube, 1/4"PT (at bracket)
17	74392492	1	TUBE ASSY. (Includes SLEEVES and NUTS)
	70917810	2	NUT, Imperial, 3/8" tube
	70917807	2	SLEEVE, Imperial, 3/8" tube (rubber)
	70920279	1	CONNECTOR, Imperial, 3/8" tube, 1/4"PT (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"PT (at pump)
	70927139	1	ELBOW, Imperial, 3/8" tube, 1/4"PT female } at block
	70913112	1	NIPPLE, pipe, hex., 1/4" x 1/4"

(Revised September 1980)



USAGE: 6138 LT engines.

ITEM	PART NO.	QTY.	DESCRIPTION
1	74396550	1	PUMP KIT, injection (Service replacement for original factory adjusted Pump Assy. 74396543)
	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"
	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" }
	70912441	2	LOCKWASHER, 1/2" } at cylinder block
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

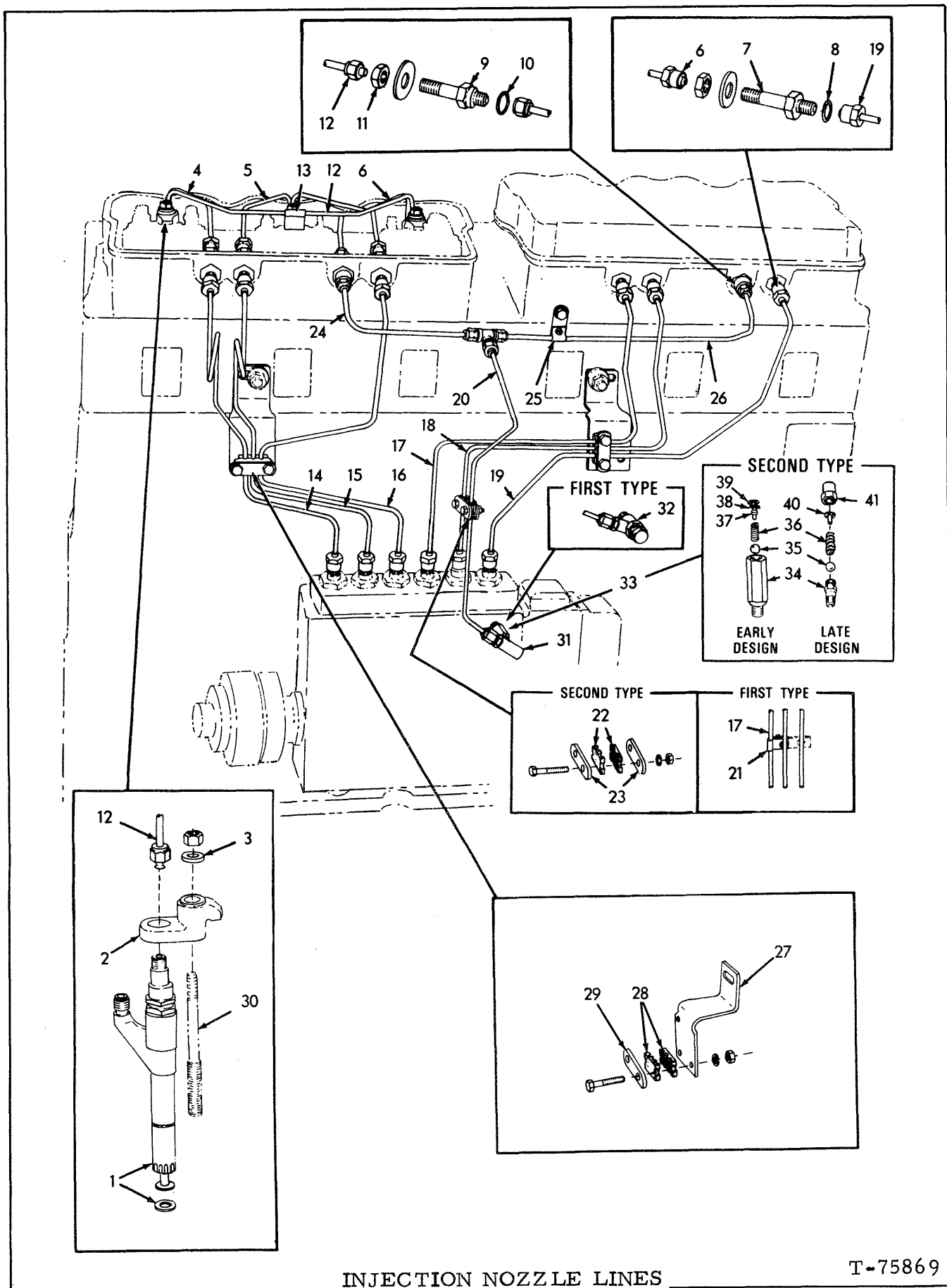
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(Revised June 1981)

FUEL INJECTION PUMP (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
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

(Added September 1980)



INJECTION NOZZLE LINES
(Robert Bosch-Germany)

T-75869
(Revised July 1978)

INJECTION NOZZLE LINES
(Robert Bosch-Germany)

ITEM	PART NO.	QTY.	DESCRIPTION	
1	-----	6	HOLDER ASSY., nozzle (See page 65)	
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 (#1 and #4 cylinder)	} Each includes nuts
5	74390094	2	TUBE ASSY., fuel injection, internal (#2 and #5 cylinder)	
6	74390095	2	TUBE ASSY., fuel injection, internal (#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"	
12	74396020	2	MANIFOLD ASSY., fuel return (Includes nuts and sleeves)	
13	74255179	2	CLIP, manifold supporting	
14	74392384	1	TUBE ASSY., fuel injection, external (#1 cylinder)	} Each includes nuts
15	74392385	1	TUBE ASSY., fuel injection, external (#2 cylinder)	
16	74392386	1	TUBE ASSY., fuel injection, external (#3 cylinder)	
17	74392387	1	TUBE ASSY., fuel injection, external (#4 cylinder)	
18	74392388	1	TUBE ASSY., fuel injection, external (#5 cylinder)	
19	74392389	1	TUBE ASSY., fuel injection, external (#6 cylinder)	
20	74392445	1	TUBE, fuel return (Engines prior to #16-10458)	} Used with item 32
	74394177	1	TUBE, fuel return (Engines #16-10458 and up)	
	74394976	1	TUBE, fuel return (Used with item 38)	
	70917809	2	NUT, Imperial, 1/4" tube	
	74255956	2	SLEEVE, Imperial, 1/4" tube (Viton-High temperature)	
	70919797	1	TEE, Imperial, 1/4" tube	
	70919800	1	CONNECTOR, Imperial (Used with item 32)	
	70920242	1	CONNECTOR, Imperial (Used with item 33)	
21	74361829	1	CLAMP, return tube	} Engines prior to #16-10458
	70912226	1	SCREW, fil. hd., 1/2"NC x 5/8"	
	70904204	1	LOCKWASHER, 1/4"	
	70910880	1	NUT, 1/4"NC	
22	74507358	2	SPACER	

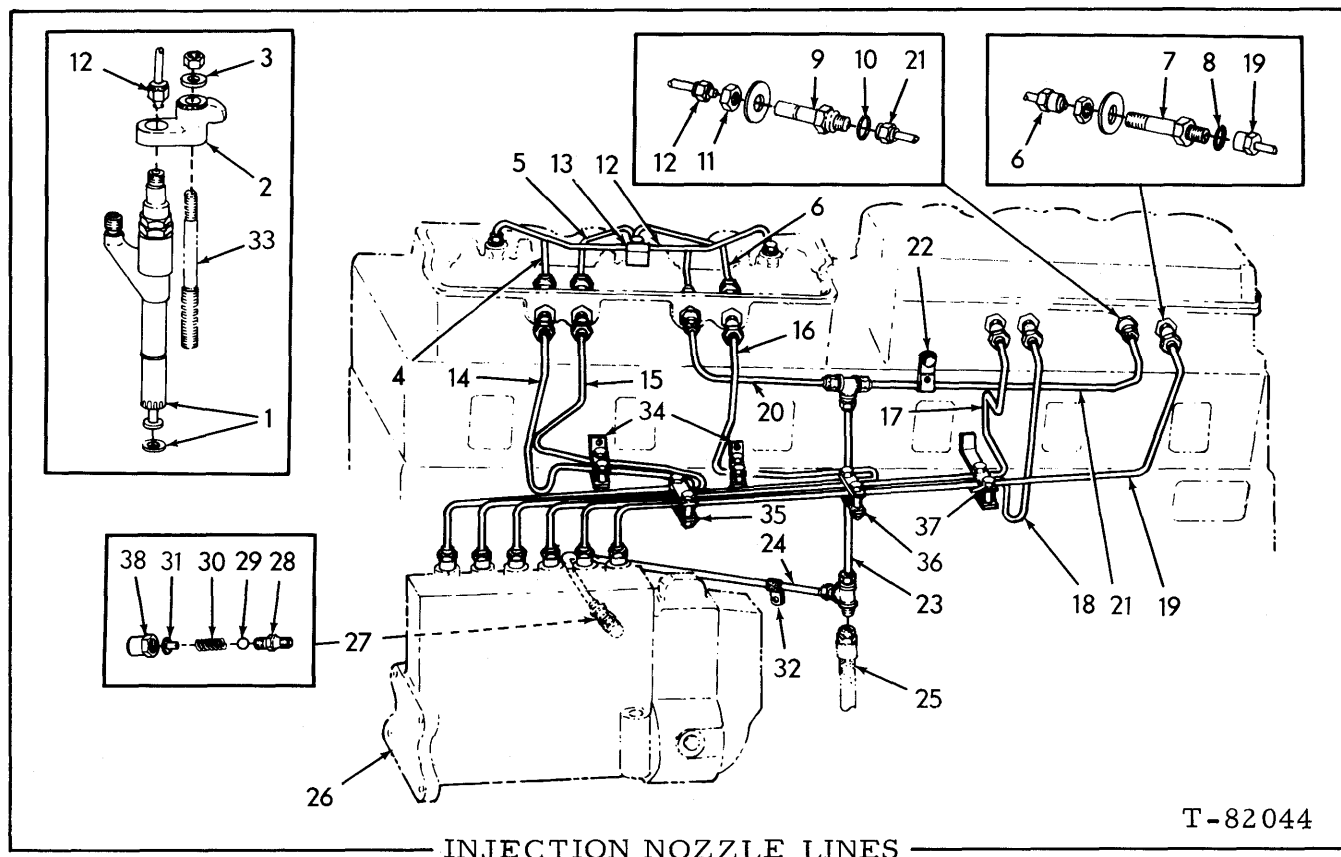
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(Revised July 1978)

INJECTION NOZZLE LINES (Continued)
(Robert Bosch-Germany)

ITEM	PART NO.	QTY.	DESCRIPTION	
23	74507414	2	PLATE	} Engine #16-10458 and up
	70918794	2	SCREW, fil-hd., 1/4"NC x 5/8"	
	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 (Viton-High temperature)	
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 (Viton-High temperature)	
27	74396082	2	BRACKET (Includes spacer washers)	
	70929935	2	WASHER, spacer (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 VALVE OPERATING MECHANISM)	
31	70931195	1	TEE (Used with items 33 and 40)	
32	74060154	1	VALVE (First type)	
33	74396752	1	VALVE ASSY. (Second type)(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 design
38	74255017	1	E-RING	
39	74255020	1	RING, snap	
40	74396754	1	RETAINER	
41	74395935	1	NUT	} Late design

(Revised July 1981)



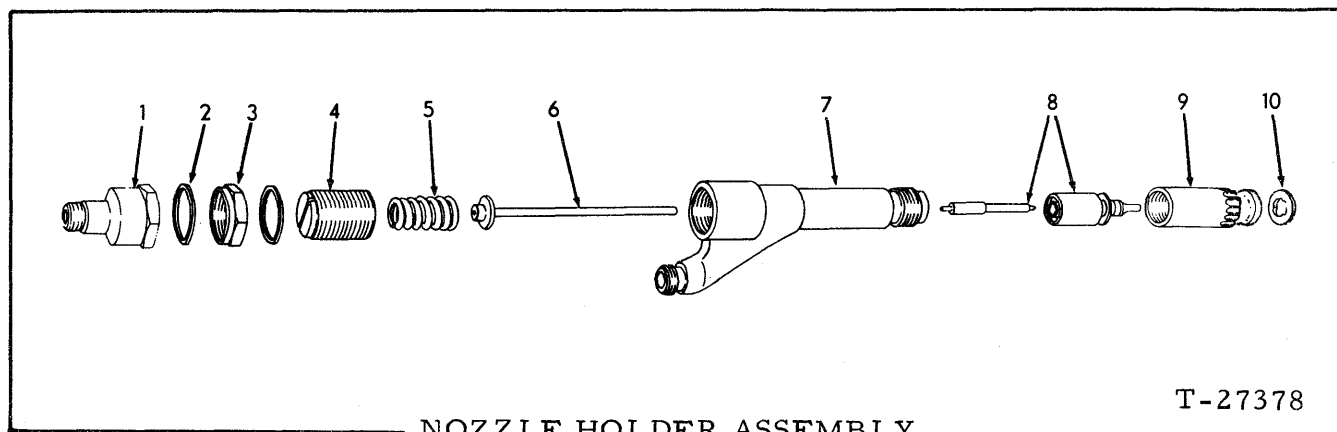
USAGE: 6138 LT engines

ITEM	PART NO.	QTY.	DESCRIPTION	
1	-----	6	HOLDER ASSY., Nozzle (See page 65)	
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 59)
26	-----	1	PUMP ASSY., fuel injection (See page 61A)
27	74396753	1	VALVE ASSY., return relief (Includes items 28, 29, 30, 31, and 38)
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 June 1981)



NOZZLE HOLDER ASSEMBLY

T-27378

USAGE: See page 63

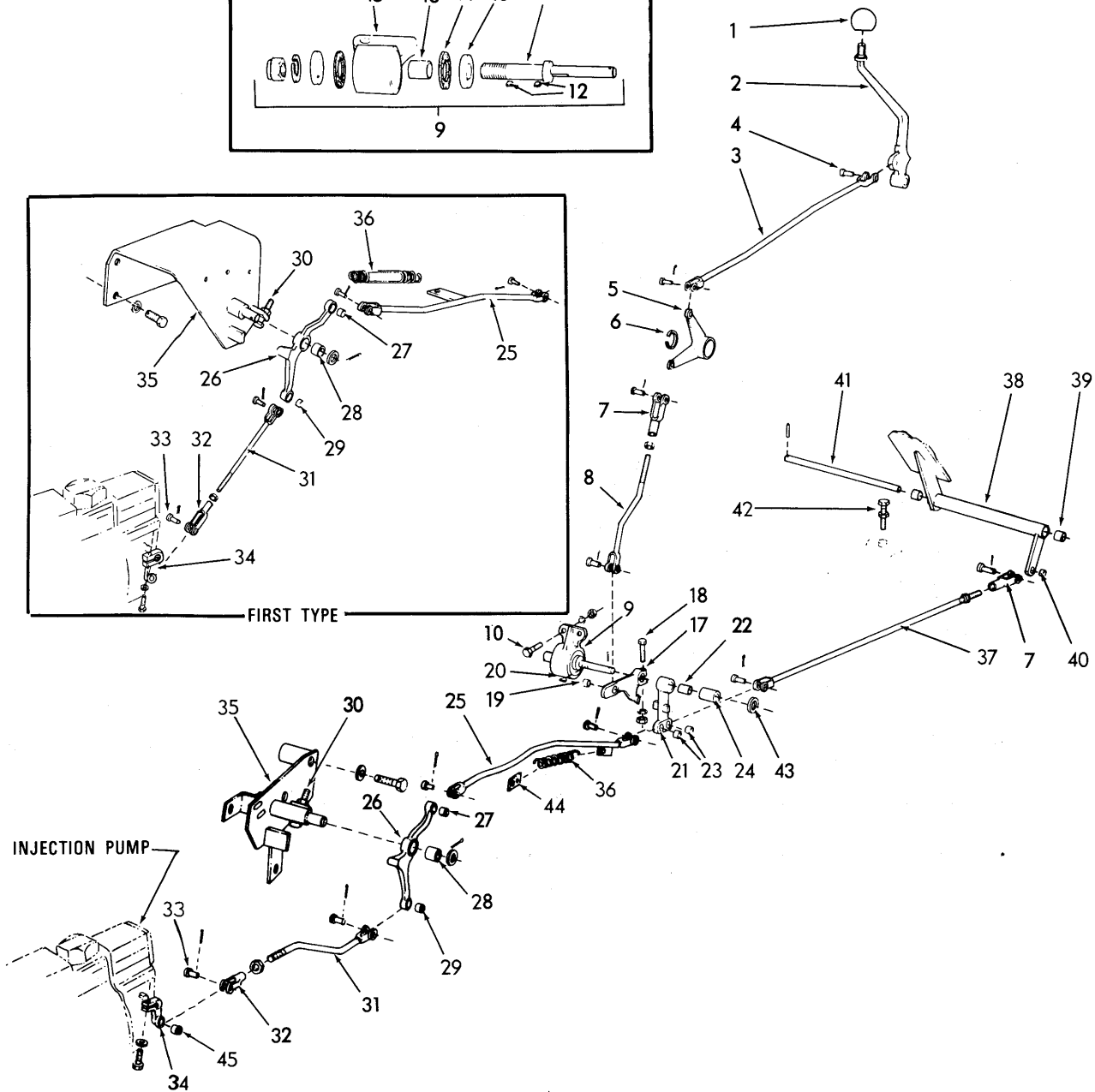
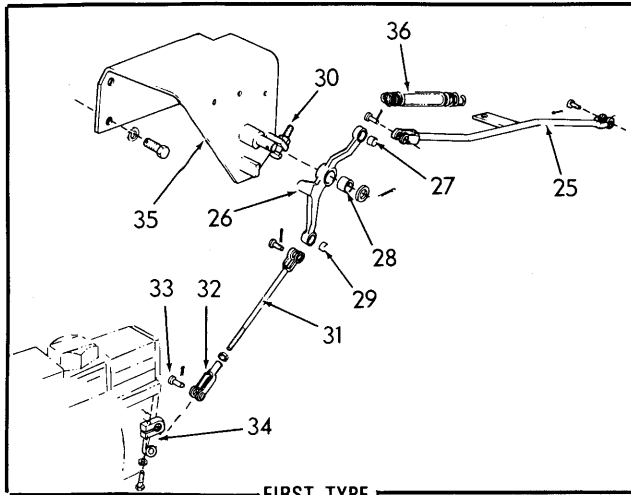
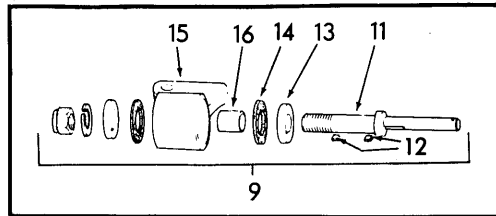
*Engine prior to serial No. 16-10563

**Engine serial No. 16-10563 and up

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	

NOTE: Quantities are for one (1) Holder Assembly only.

-	74392304	1	-	HOLDER ASSY., (long Sac type)	} Not serviced. Order Holder Assy. 74062107 & item 2
-	74392121	- 1	-	HOLDER ASSY., (short Sac type)	
-	74062107	1 1	-	HOLDER ASSY. (Includes items 1 thru 7 and 9)	
1	74396054	1 1		CAP	
2	74511243	2 2		GASKET, cap nut	
3	74517266	1 1		NUT, locking	
4	74378033	1 1		SCREW, adjusting	
5	74380652	1 1		SPRING	
6	74391240	1 1		SPINDLE	
7	-----	1 1		BODY (Not serviced separately)	
8	74392305	1 -		NOZZLE ASSY. (long Sac type)(Remove Insert 74392576 and use Nozzle 7439006)	
	74390006	- 1		NOZZLE ASSY. (short Sac type)(Each includes item 10)	
9	74392057	1 1		NUT, nozzle retaining	
10	74378031	1 1		□GASKET, nozzle	



THROTTLE CONTROL

T-75870

(Revised September 1979)

THROTTLE CONTROL

* Tractors prior to S/N 17A15213

** Tractors S/N 17A15213 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
	70914726	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 (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
	73116453	-	1	ROD, intermediate, lower
26	70674774	1	1	BELLCRANK ASSY., lower rod (Includes items 27, 28 and 29)
27	70624584	1	1	BUSHING, bellcrank (3/8" long)
28	70631476	1	1	BUSHING, bellcrank (7/8" long)
29	70624585	1	1	BUSHING, bellcrank (1/4" long)
30	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
31	70674755	1	-	ROD, lower
	73116481	-	1	ROD, lower
	70910267	1	1	NUT, jam, 1/4"NF
32	70628737	1	1	YOKE, lower rod
33	70628738	2	2	PIN, yoke, lower rod
	70900970	2	2	PIN, cotter, 1/16" x 1/2"

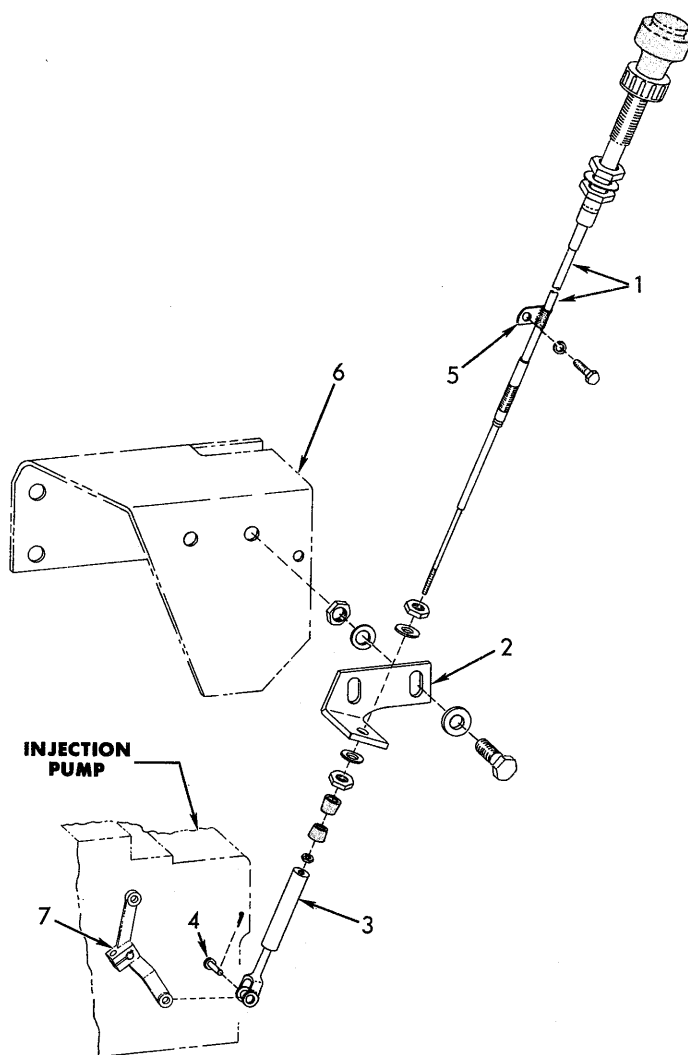
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(Revised September 1979)

THROTTLE CONTROL (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
34	74393259	1 -	LEVER
	70916277	1 -	CAPSCREW, 5/16"NC x 5/8"
	70904205	1 -	LOCKWASHER, 5/16"
	73117281	- 1	LEVER ASSY. (Includes item 45)
	70922925	- 1	CAPSCREW, 5/16"NC x 3/4"
	70929662	- 1	WASHER, plain, 5/16"
35	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, plain
	70910244	1 1	WASHER, plain, SAE std., 1/2"
	70900806	1 1	PIN, cotter, 1/8" x 1"
36	70043881	1 1	SPRING, retracting, intermediate rod
37	70631653	1 1	ROD, decelerator
	70911048	1 1	NUT, jam, 3/8"NF
38	70643437	1 1	PEDAL ASSY., decelerator (Includes items 39 and 40)
39	70063222	2 2	BUSHING, decelerator pedal (large)
40	70624584	1 1	BUSHING, decelerator pedal (small)
41	70631646	1 1	SHAFT, decelerator pedal
	70918111	1 1	PIN, spring, 1/8" x 1"
42	70921539	1 1	CAPSCREW, pedal stop (1/2"NC x 3-1/2")
	70911035	1 1	NUT, jam, 1/2"NC
43	70910244	- 1	WASHER, plain, SAE std., 1/2"
44	73116455	- 1	PLATE, spring attaching
45	70624585	- 1	BUSHING

(Revised June 1981)



ENGINE SHUT-OFF CONTROL

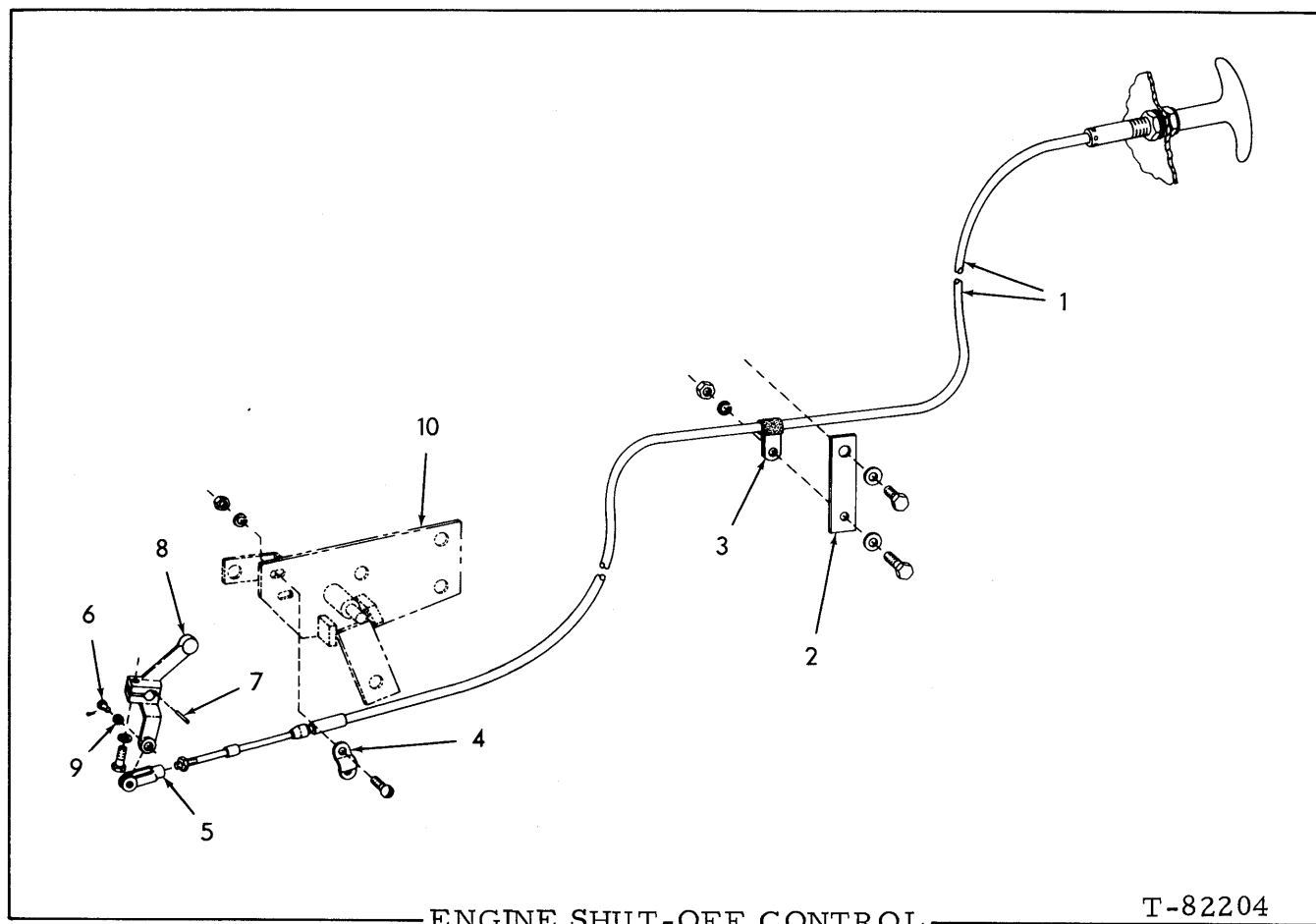
T-75866

USAGE: Tractors prior to S/N 17A15213.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70665458	1	CABLE ASSY., push-pull (Serviced only as a unit)
2	70674754	1	ANGLE, cable supporting
	70916272	2	CAPSCREW, 3/8"NC x 1-1/4"
	70044973	2	WASHER, plain
	70904206	2	LOCKWASHER, 3/8"
	70911026	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)
	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"

Tractors prior
to unit #14249

(Revised September 1979)



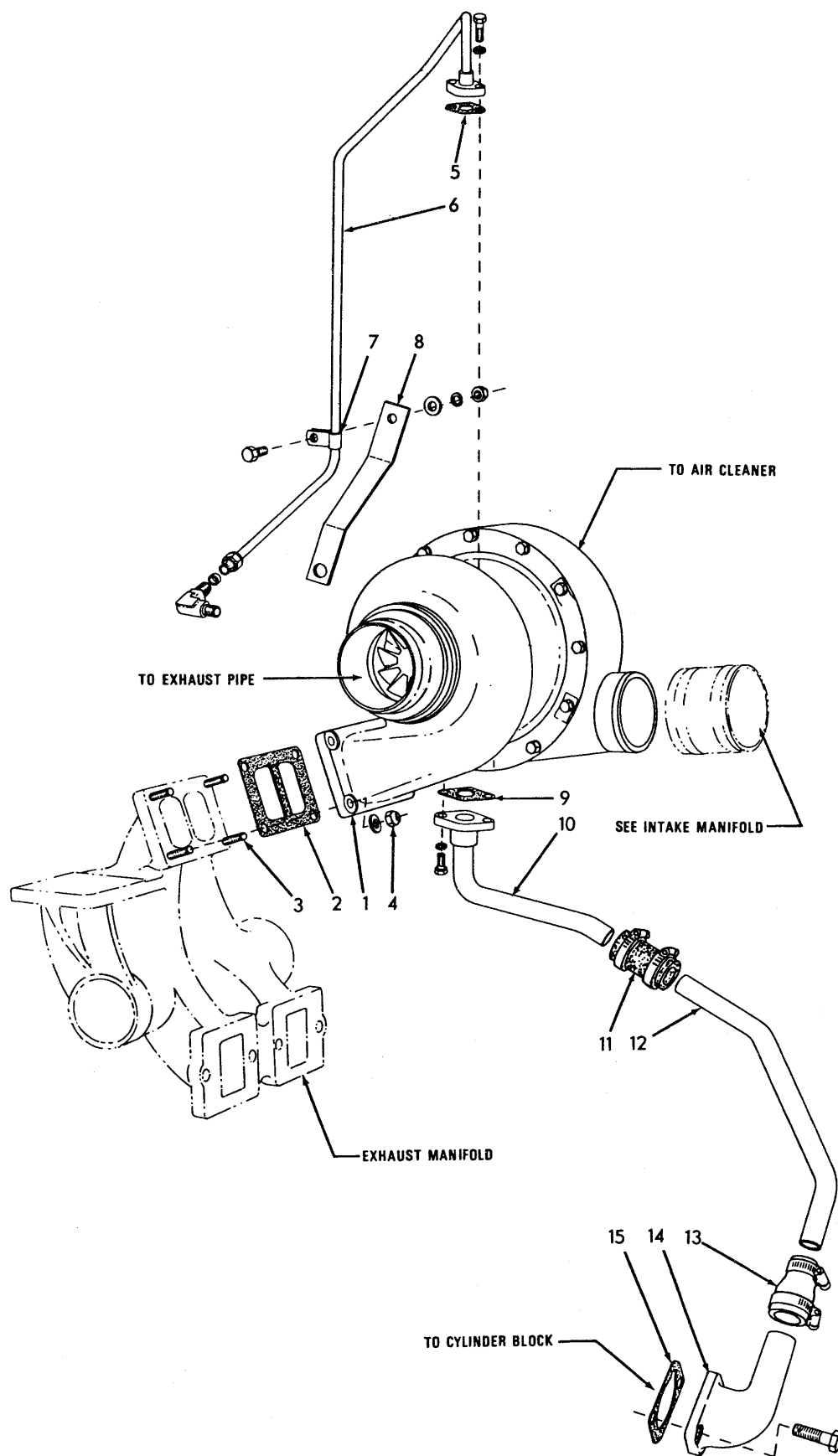
ENGINE SHUT-OFF CONTROL

T-82204

USAGE: Tractors S/N 17A15213 and up.

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, plain
3	70927384	1	CLIP
	70922763	1	CAPSCREW, 3/8"NC x 1"
	70677006	1	WASHER, plain
	70910287	1	LOCKWASHER, 3/8"
	70900367	1	NUT, 3/8"NC
4	70662427	1	CLAMP
	70917388	2	SCREW, #10-24NC x 3/4"
	70911982	2	WASHER, plain
	70926673	2	NUT, #10-24NC
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 68)

(Added September 1979)

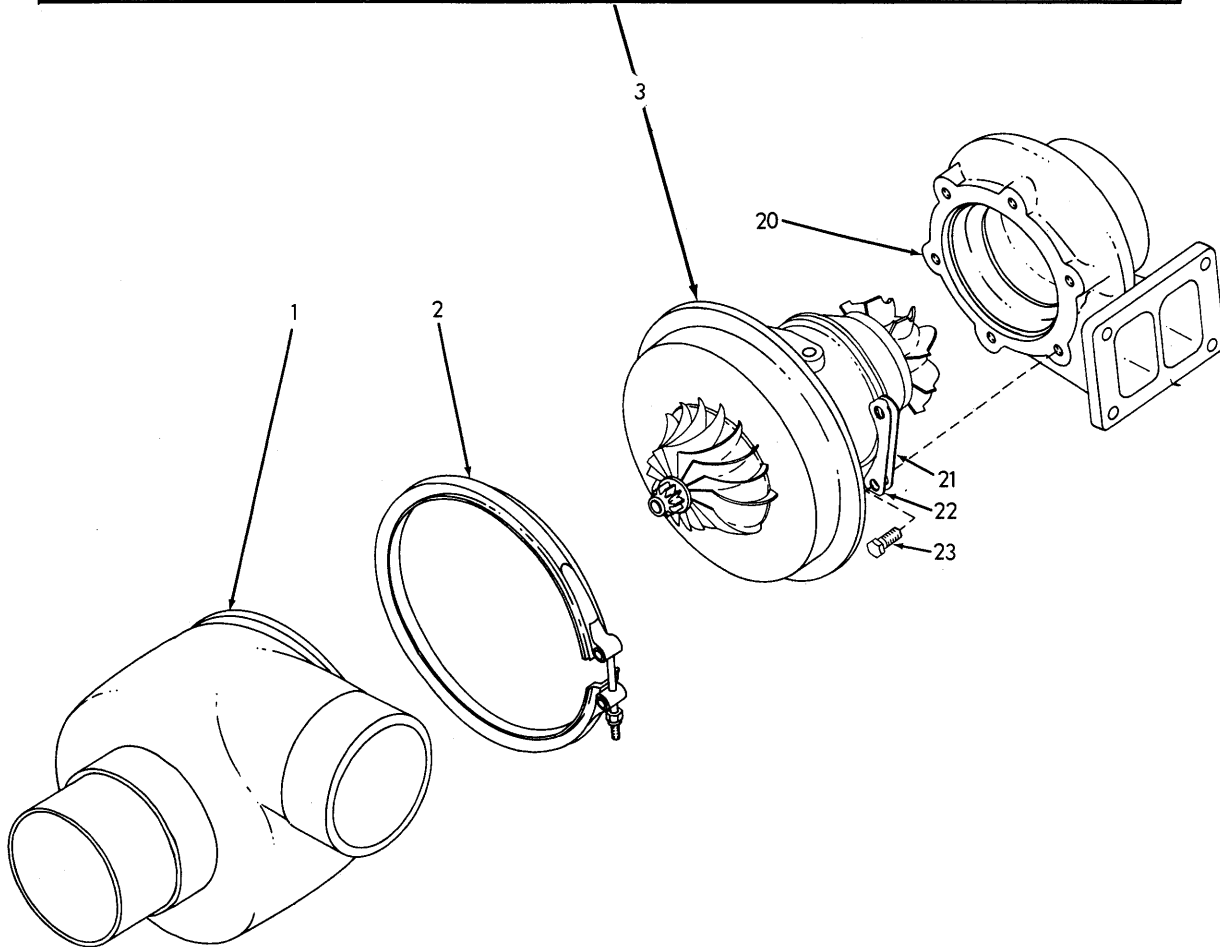
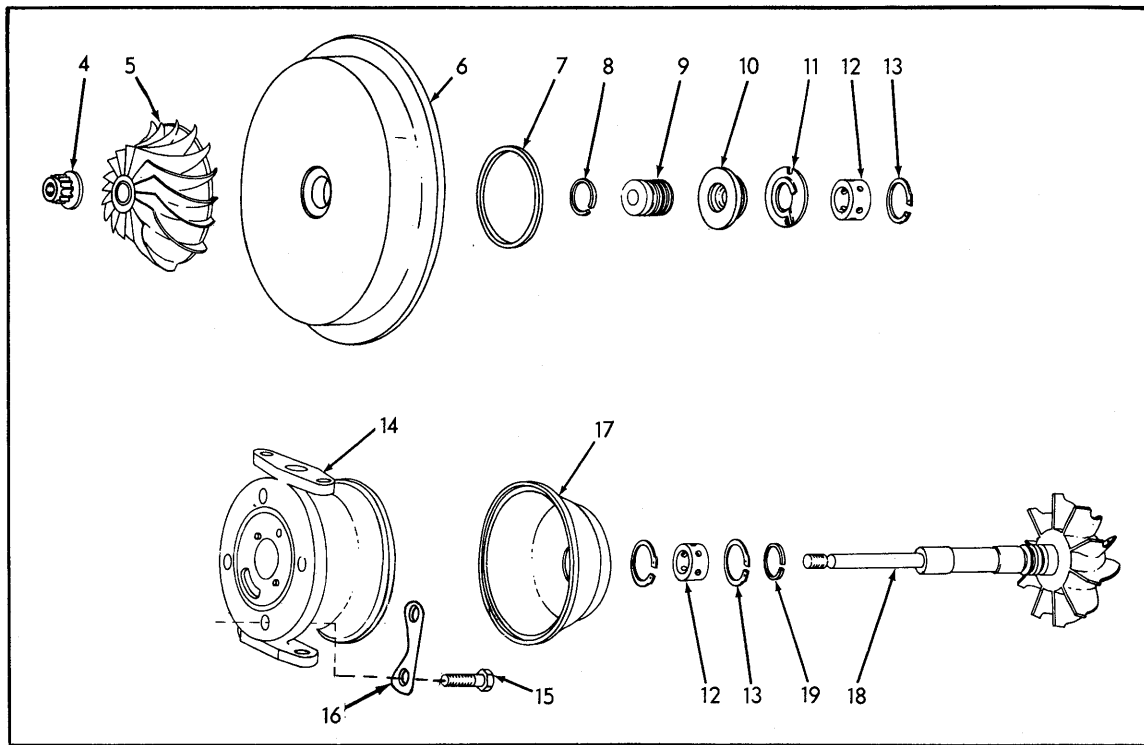


TURBOCHARGER CONNECTIONS

T-75822

TURBOCHARGER CONNECTIONS

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	TURBOCHARGER ASSY. (See page 73)
2	74393466	1	□GASKET, turbocharger to manifold
3	74339535	4	STUD, turbocharger attaching
4	74255977	4	NUT
	70913544	4	WASHER, plain
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	74390202	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
13	74379723	1	ADAPTER, oil drain line
	70921911	1	CLAMP, hose (1 1/16" to 1-1/4" diam.)
	70921912	1	CLAMP, hose (1-1/16" to 2" diam.)
14	74359972	1	ELBOW, oil drain line
	70921865	2	CAPSCREW, Nylok, 1/2"NC x 1"
15	74310257	1	□GASKET, oil drain line elbow



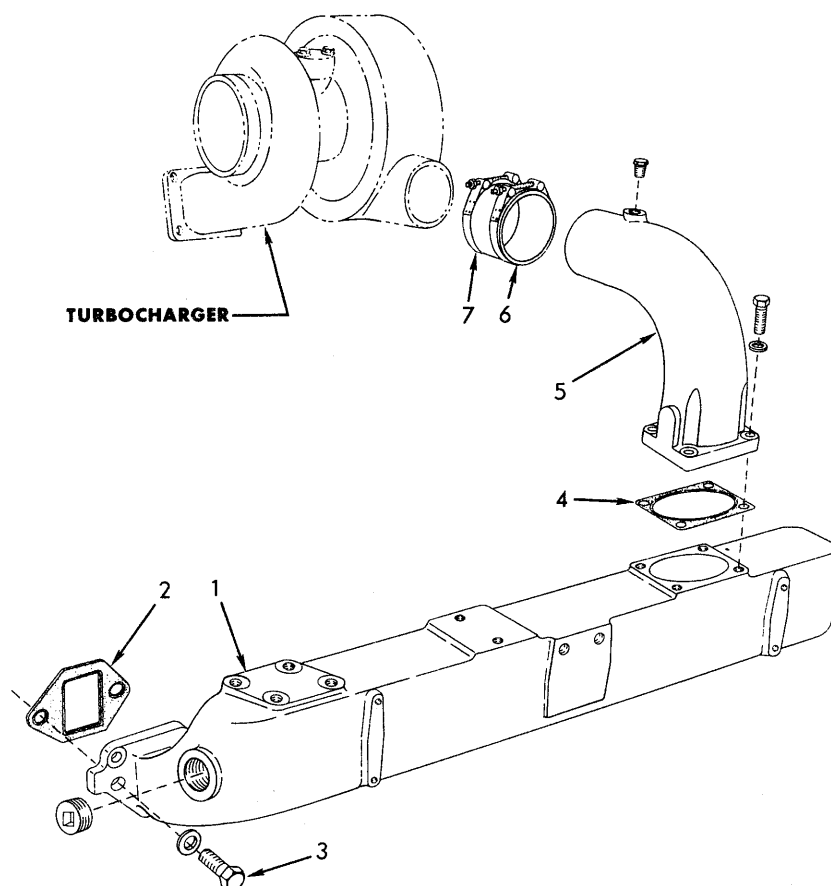
TURBOCHARGER ASSEMBLY

T-70408

TURBOCHARGER ASSEMBLY

USAGE: See page 71

ITEM	PART NO.	QTY.	DESCRIPTION
-	74392272	1	TURBOCHARGER ASSY. (TEO 673) (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)
	74021213	2	BEARING, turbine wheel
	74061214	2	WASHER, turbine wheel
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")

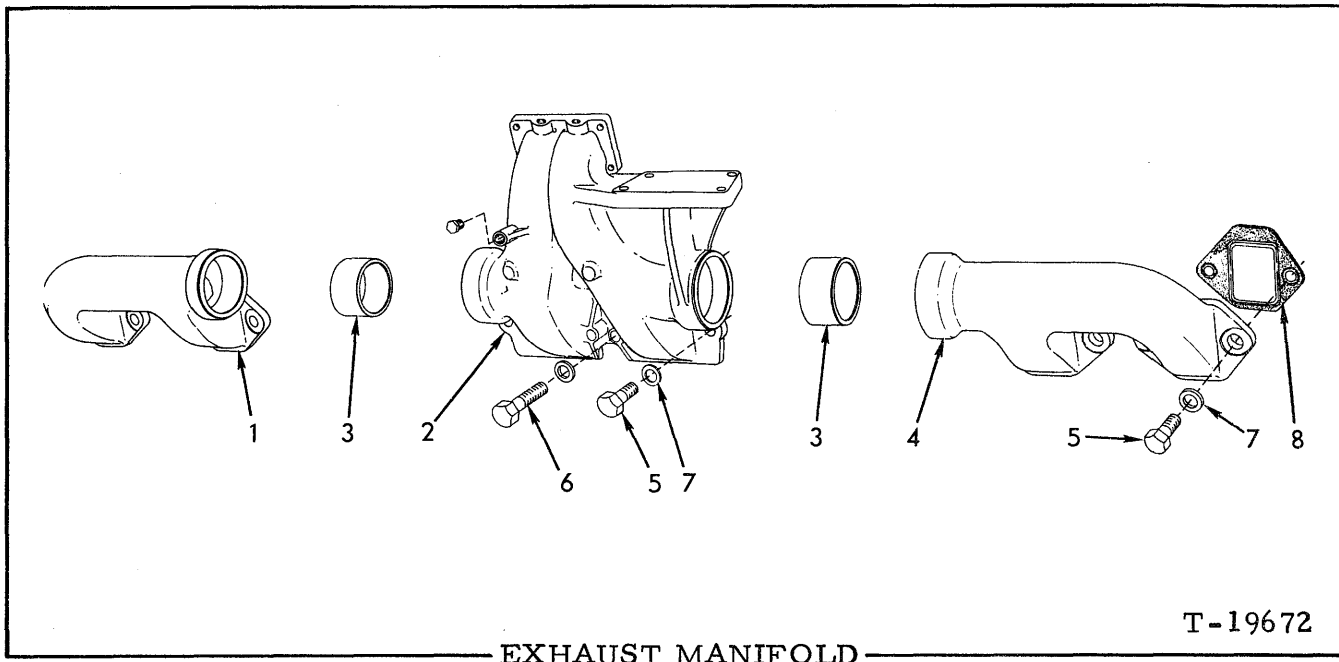


T-75072

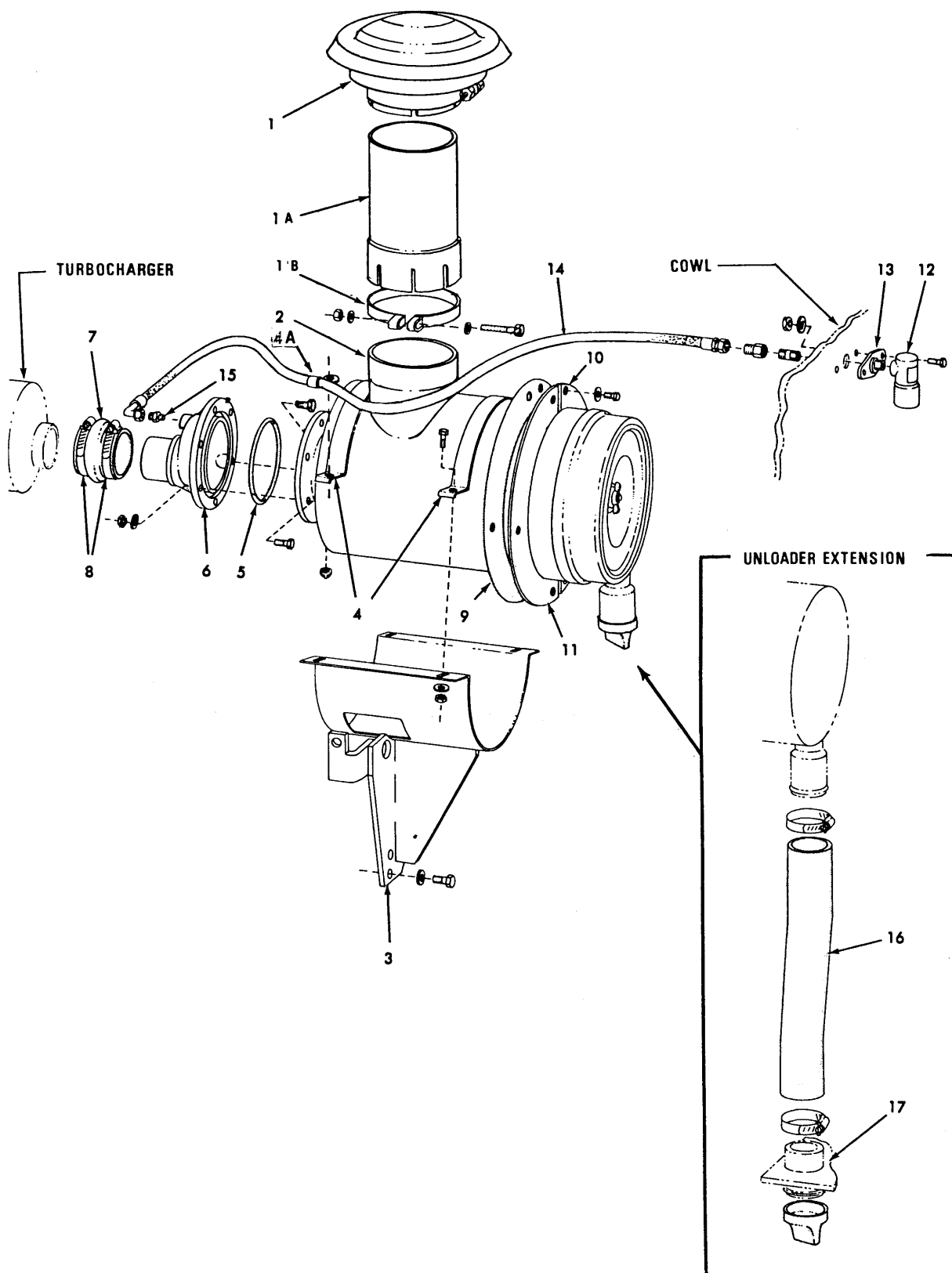
INTAKE MANIFOLD

ITEM	PART NO.	QTY.	DESCRIPTION
1	74393778	1	MANIFOLD, intake (If for early engine also order 1 PLUG 70917673)
	70901667	1	PLUG, pipe, ctsk-hd., 1-1/4"NPT
	70917673	1	PLUG, pipe, ctsk-hd., 1/8"NPT (Late engines)
	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

(Revised September 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 #16-10922)
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



AIR CLEANER MOUNTING

T-75774

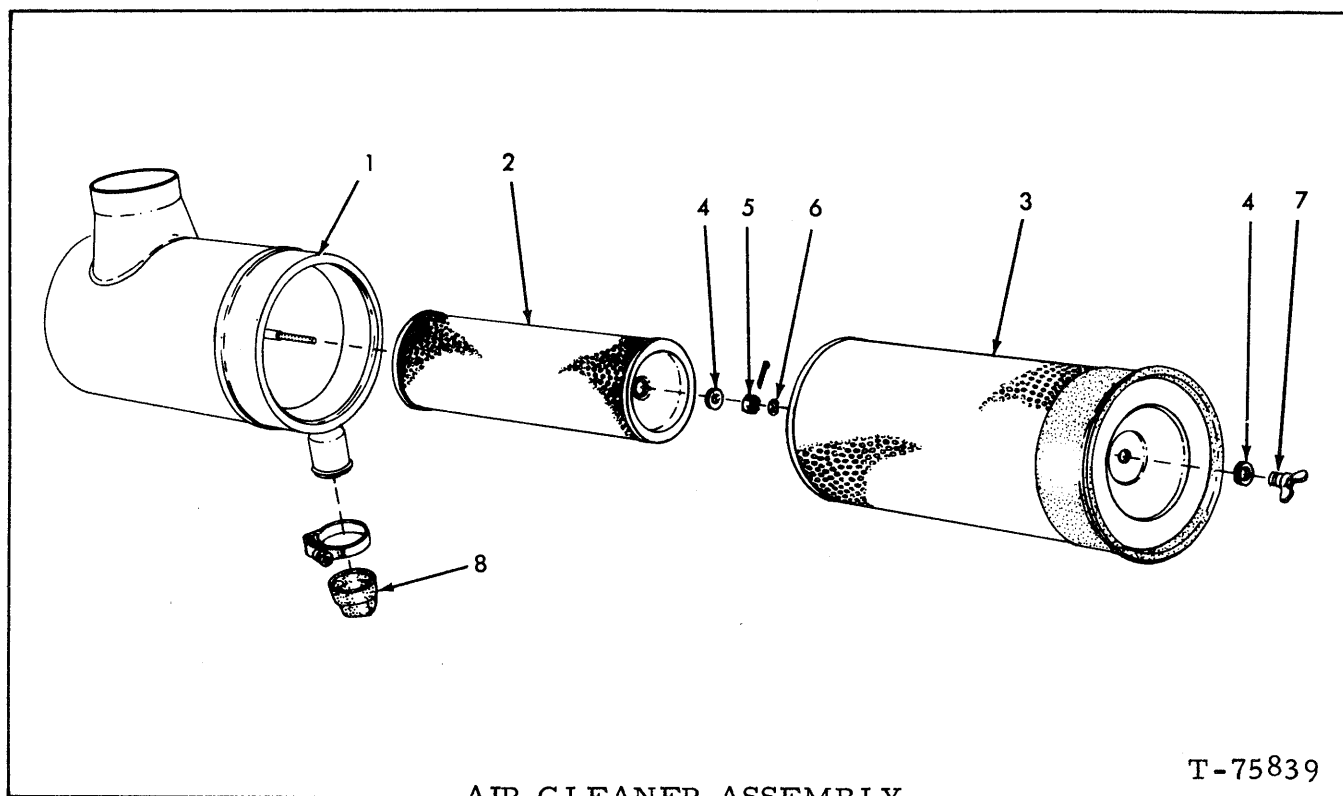
(Revised December 1974)

AIR CLEANER MOUNTING

ITEM	PART NO.	QTY.	DESCRIPTION	
1	70197576	1	CAP, air inlet (Includes mounting clamp)	} Not used on units equipped with special Aspirator See page 81A
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 78)	
	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 77

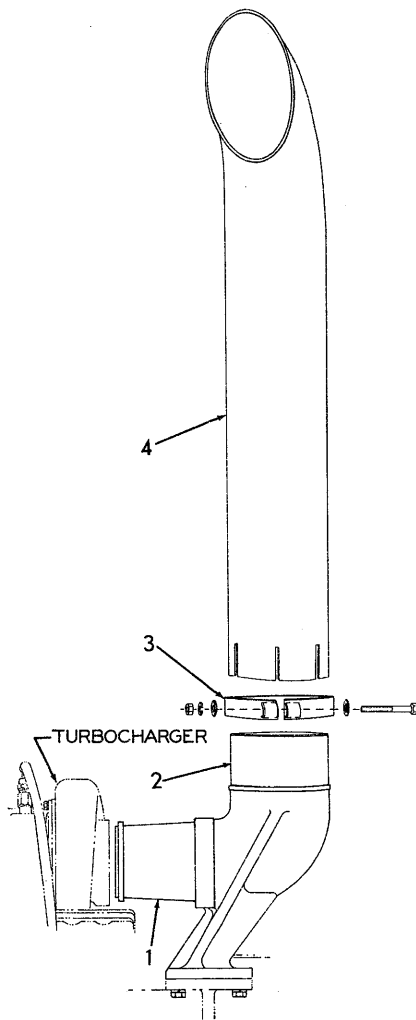
ITEM	PART NO.	QTY.	DESCRIPTION
-	70671809	1	CLEANER ASSY. (Includes items 2 thru 8)
1	-----	1	BODY (Not serviced separately)
2	70671839	1	ELEMENT ASSY., safety (inner)
3	70671838	1	ELEMENT ASSY., safety (outer)
4	70667684	2	GASKET, retaining nut
5	73131209	1	NUT, retaining (Signal type)
	70900808	1	PIN, cotter, 1/8" x 1-1/2" (Early models)
6	70671433	1	CLIP, wing nut retaining
7	70691775	1	NUT, wing, element retaining
8	70197810	1	UNLOADER
	70926011	1	CLAMP, 2-3/4" to 3-1/16" diam. (Late design)

(Revised July 1981)

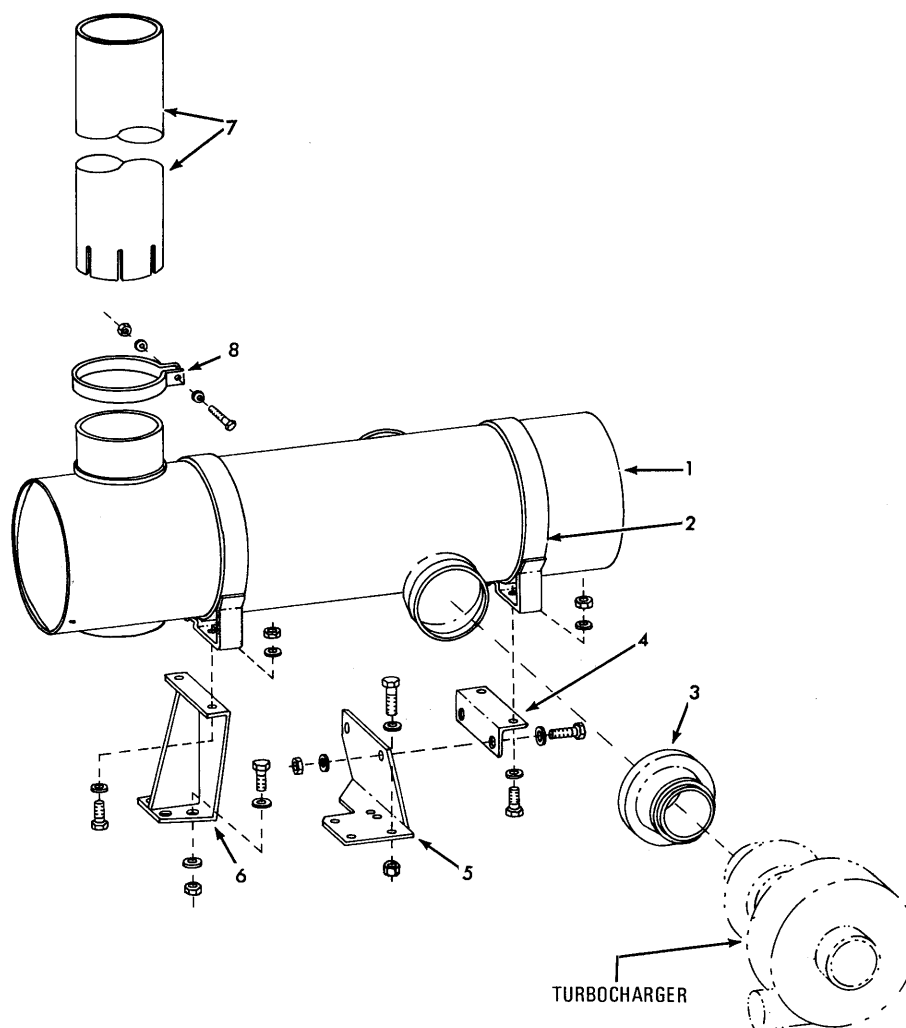
EXHAUST PIPE

USAGE: Standard on tractors prior to serial No. 17A13557
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 1-3/8"
	70904208	4	LOCKWASHER, 1/2"
3	70629755	1	CLAMP ASSY., exhaust pipe (Includes hardware)
4	70096055	1	PIPE, exhaust



T-74658



MUFFLER

T-79062

USAGE: Standard on tractors serial No. 17A13557 and up. Optional on earlier units.

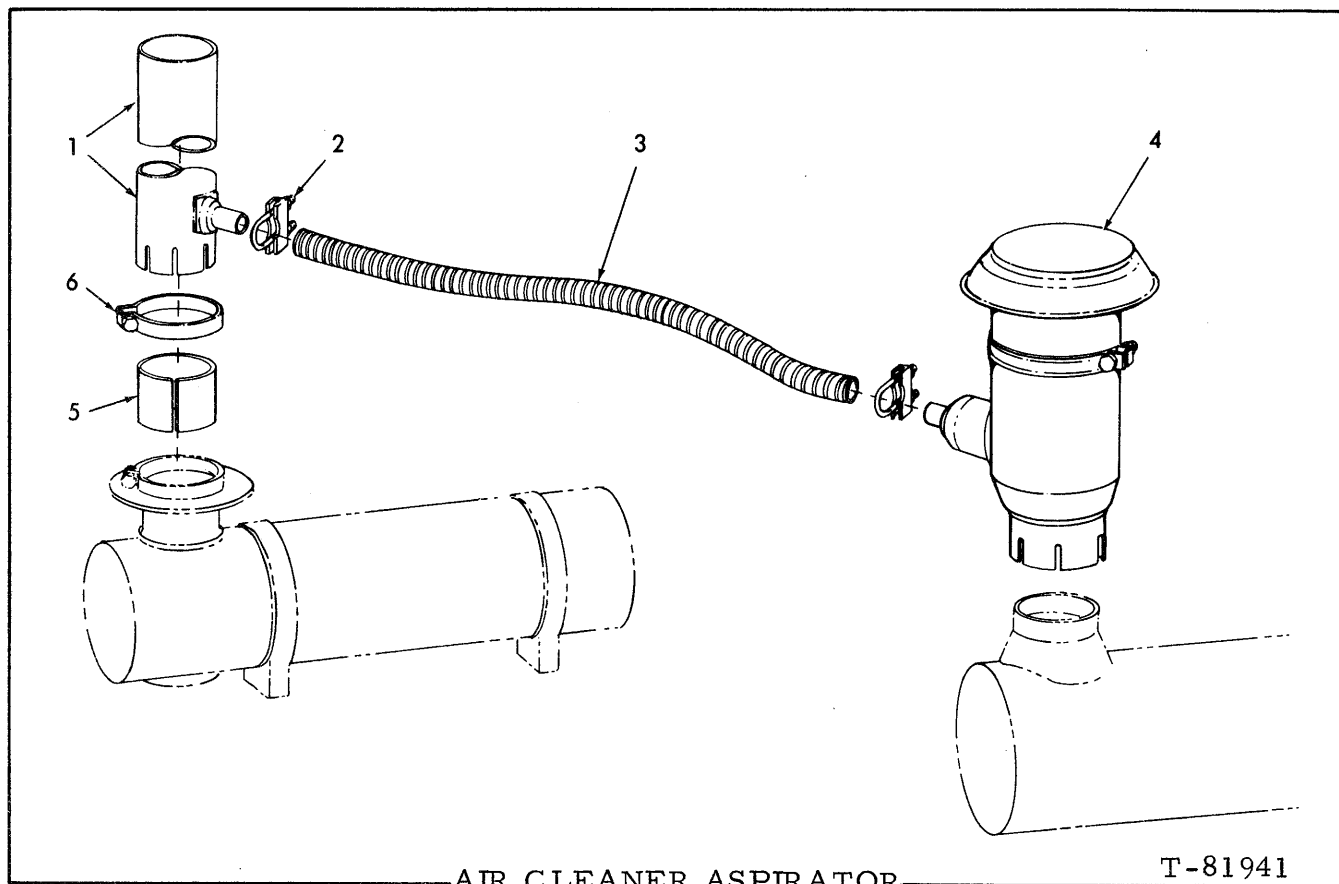
ITEM	PART NO.	QTY.	DESCRIPTION
1	70691461	1	MUFFLER
2	70683656	2	CLAMP ASSY. (Includes hardware)
	70921076	4	CAPSCREW, 3/8"NC x 1-1/4"
	70677006	8	WASHER, plain
	70911026	4	NUT, 3/8"NC
3	70691232	1	DIFFUSER
4	70683701	1	ANGLE, muffler support bracket, right
	70920585	2	CAPSCREW, 1/2"NC x 1-3/4"
	70677008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

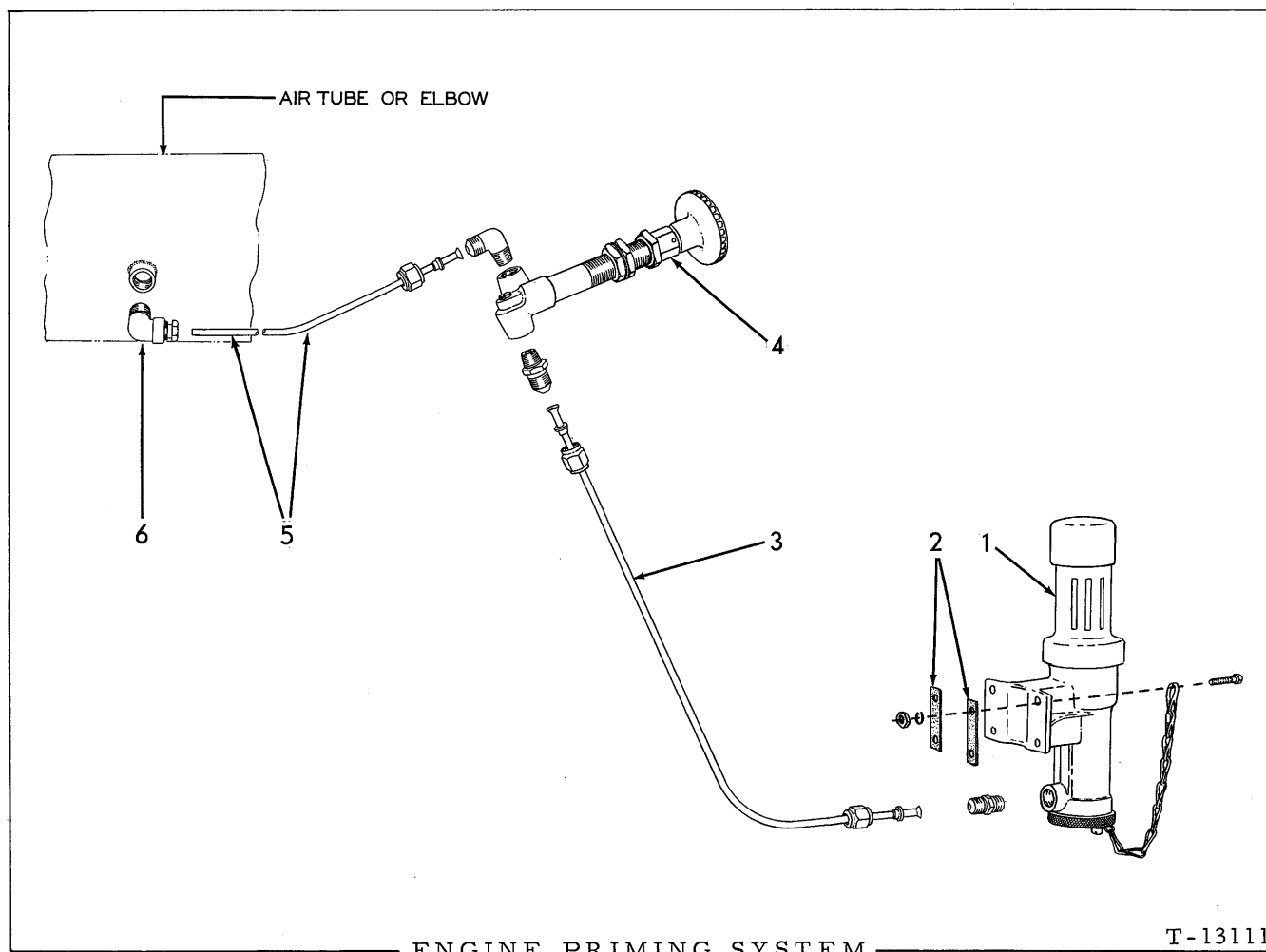
ITEM	PART NO.	QTY.	DESCRIPTION
6	70691546	1	BRACKET, muffler support, left
	70920583	4	CAPSCREW, 1/2"NC x 1-1/2"
	70677008	8	WASHER, plain
7	70656910	1	PIPE, exhaust (See page 81A for units with special Aspirator.)
8	70629755	1	CLAMP, exhaust pipe
	70922848	1	CAPSCREW, 3/8"NC x 3-1/4"
	70044973	2	WASHER, plain
	70904206	1	LOCKWASHER, 3/8"
	70911026	1	NUT, 3/8"NC

(Revised September 1979)



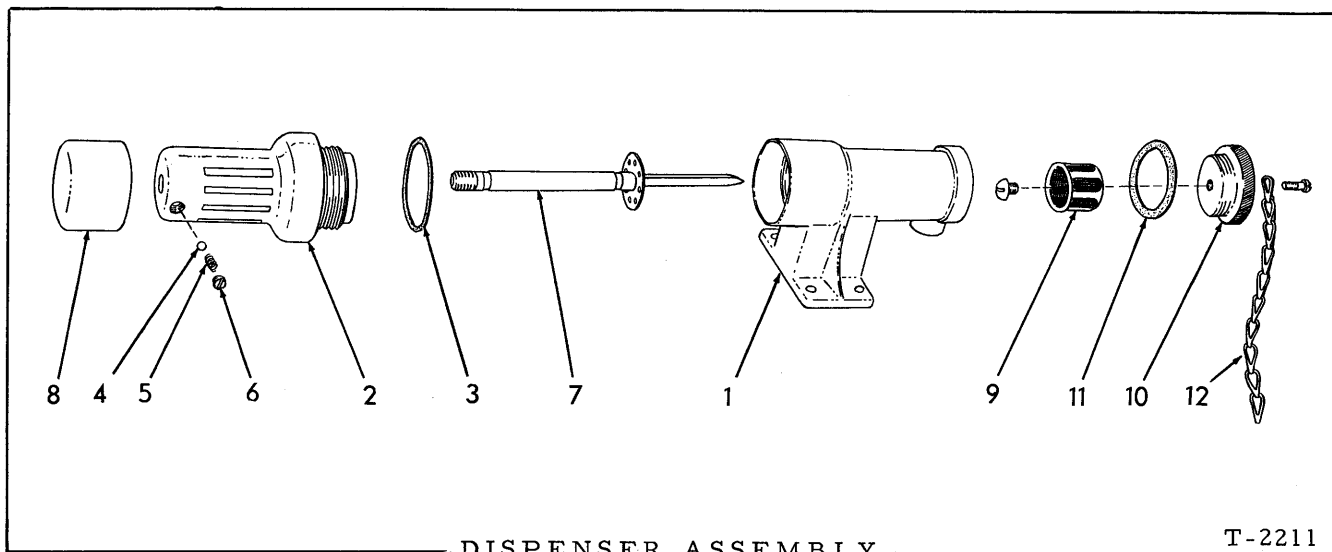
USAGE: Special equipment.

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.
5	73113804	1	SLEEVE
6	70629755	1	CLAMP ASSY. (Includes hardware)



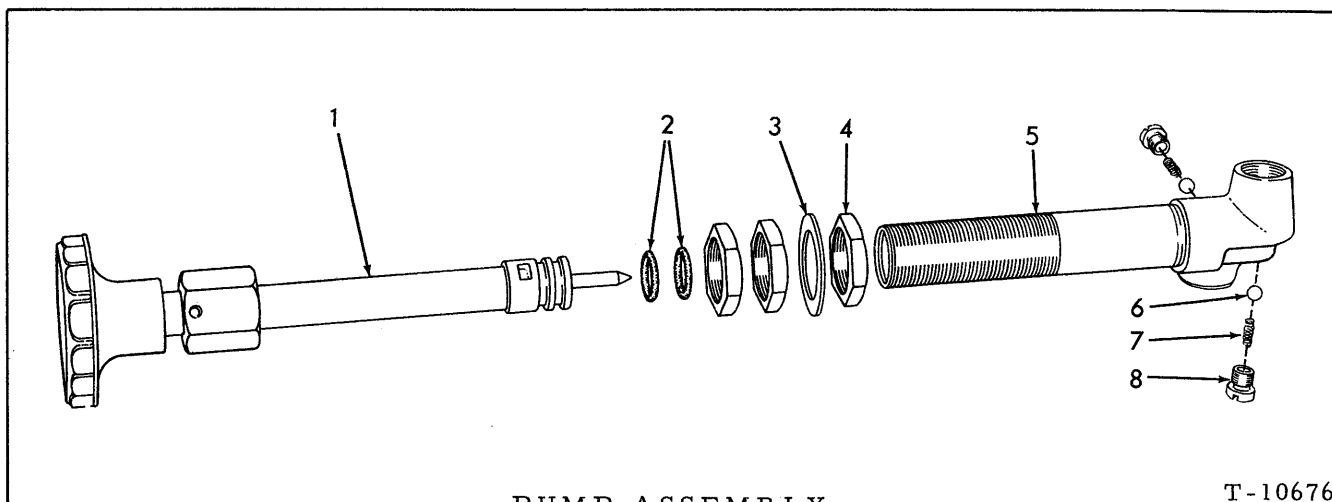
USAGE: Special equipment. Used prior to approximately March 15, 1973

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	DISPENSER ASSY., priming fuel (See page 83)
	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 84)
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)



USAGE: See page 82

ITEM	PART NO.	QTY.	DESCRIPTION
-	0075771	1	DISPENSER ASSY. (Includes items 1 thru 12)
1	0068878	1	BODY, fuel dispenser
2	0068879	1	CHAMBER, fuel dispenser
3	0069164	1	GASKET, fuel dispenser chamber
4	0905357	1	BALL, steel, 3/16" diam.
5	0066251	1	SPRING, plunger locking ball
6	0066252	1	PLUG, retaining, locking ball spring
7	0066255	1	PLUNGER, fuel dispenser
8	0068881	1	KNOB, fuel dispenser plunger
9	0068875	1	STRAINER, fuel dispenser
	0915432	1	SCREW, machine, rd-hd., 1/4"NC x 5/16"
10	0075770	1	PLUG, fuel dispenser strainer
11	0068876	1	GASKET, fuel dispenser strainer plug
12	0075769	1	CHAIN, strainer plug retaining
	0901781	1	SCREW, machine, fil-hd., #10-32NF x 1/2"

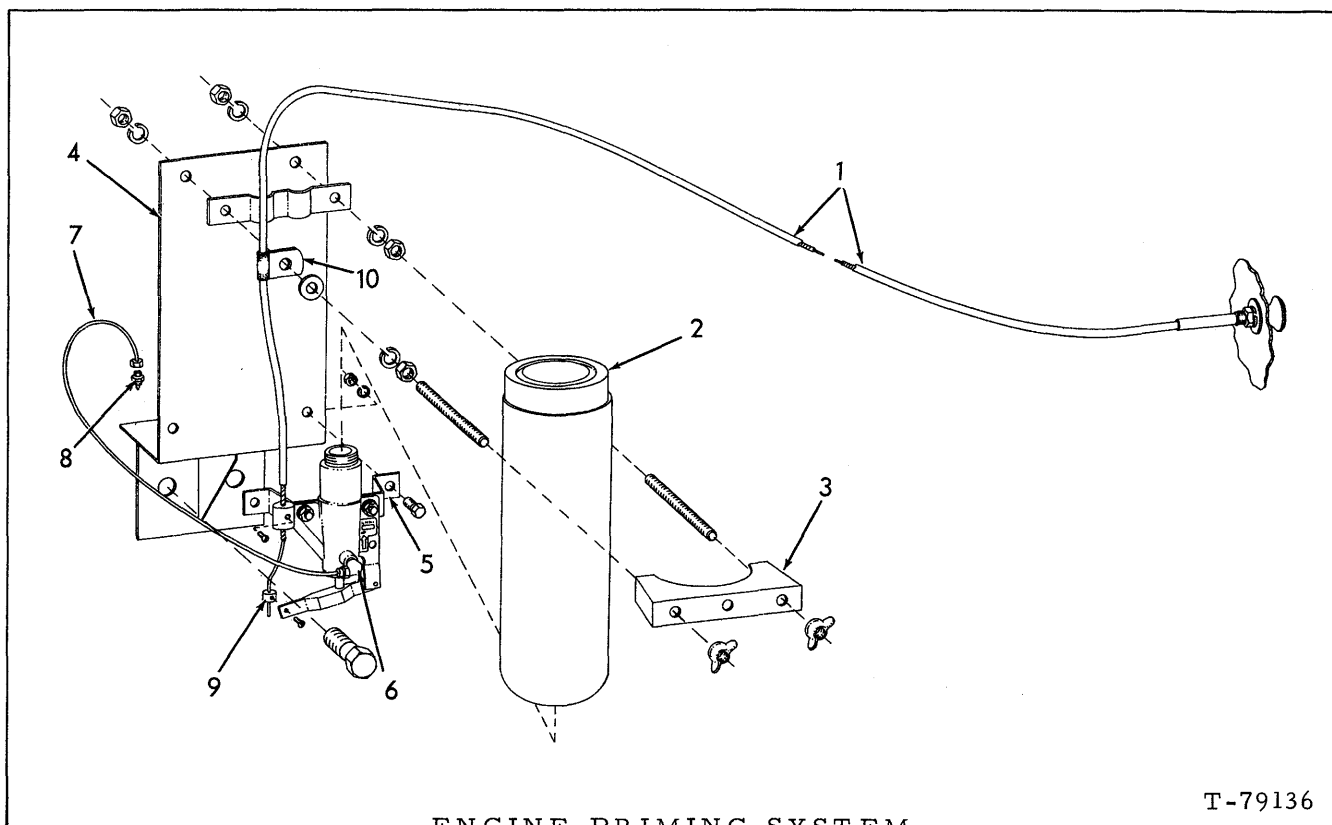


PUMP ASSEMBLY

T-10676

USAGE: See page 82

ITEM	PART NO.	QTY.	DESCRIPTION
-	0092160	1	PUMP ASSY. (Includes items 1 thru 8)
1	-----	1	PISTON ASSY. (Not serviced separately)
2	0923560	2	O-RING, plunger
3	0066873	1	WASHER, mounting
4	0066872	3	NUT, mounting
5	-----	1	BARREL ASSY. (Not serviced separately)
6	0066876	2	BALL, check valve (5/32" diam.)
7	0066875	2	SPRING, check valve
8	0066874	2	RETAINER, check valve

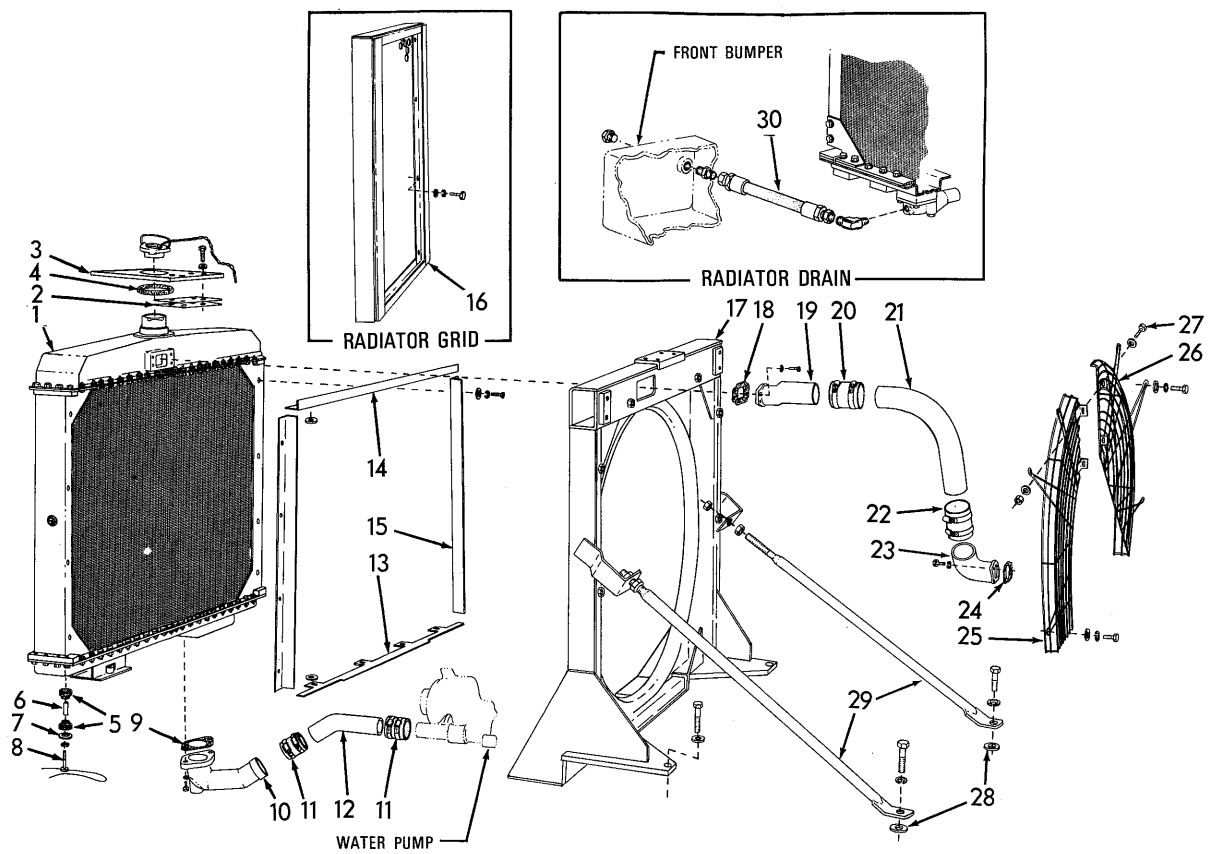


ENGINE PRIMING SYSTEM

T-79136

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	73100082	1	TANK
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

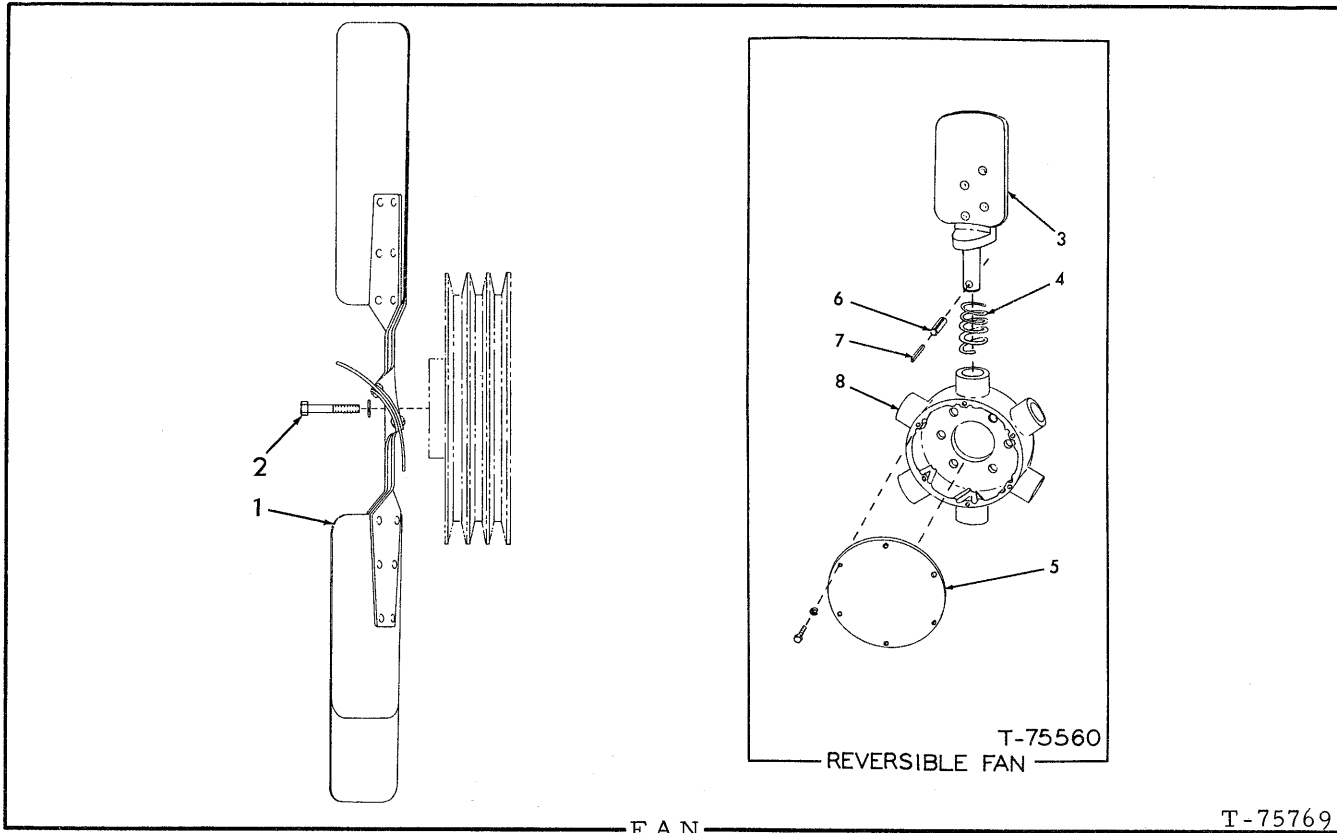
ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	RADIATOR ASSY. (See page 91)
2	70660606	2	SHIM, adjusting, support collar (1/32" thick)
	70660480	1	SHIM, adjusting, support collar (1/16" thick)
3	70662034	1	COLLAR, radiator supporting
	70921556	4	CAPSCREW, 1/2"NC x 2"
	70677008	4	WASHER
4	70095575	1	RING, cushion
5	70061671	12	SNUBBER, vibration, radiator mounting
6	70061655	6	TUBE, spacing, vibration snubber
7	70928846	6	WASHER, vibration snubber
8	70929071	6	CAPSCREW, drilled-hd., 3/8"NC x 2-3/4"
	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
20	73121205	1	HOSE
	70921914	2	CLAMP, 2-5/16" to 3-1/4" diam.
21	70083540	1	TUBE
22	70067884	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"

(Continued)

(Revised July 1981)

RADIATOR MOUNTING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION	
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"	} Tractors prior to unit #14630
	70926180	4	WASHER	
	70915891	2	NUT, elastic stop, 3/8"NC	} Tractor unit #14630 and up
	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	
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	



FAN

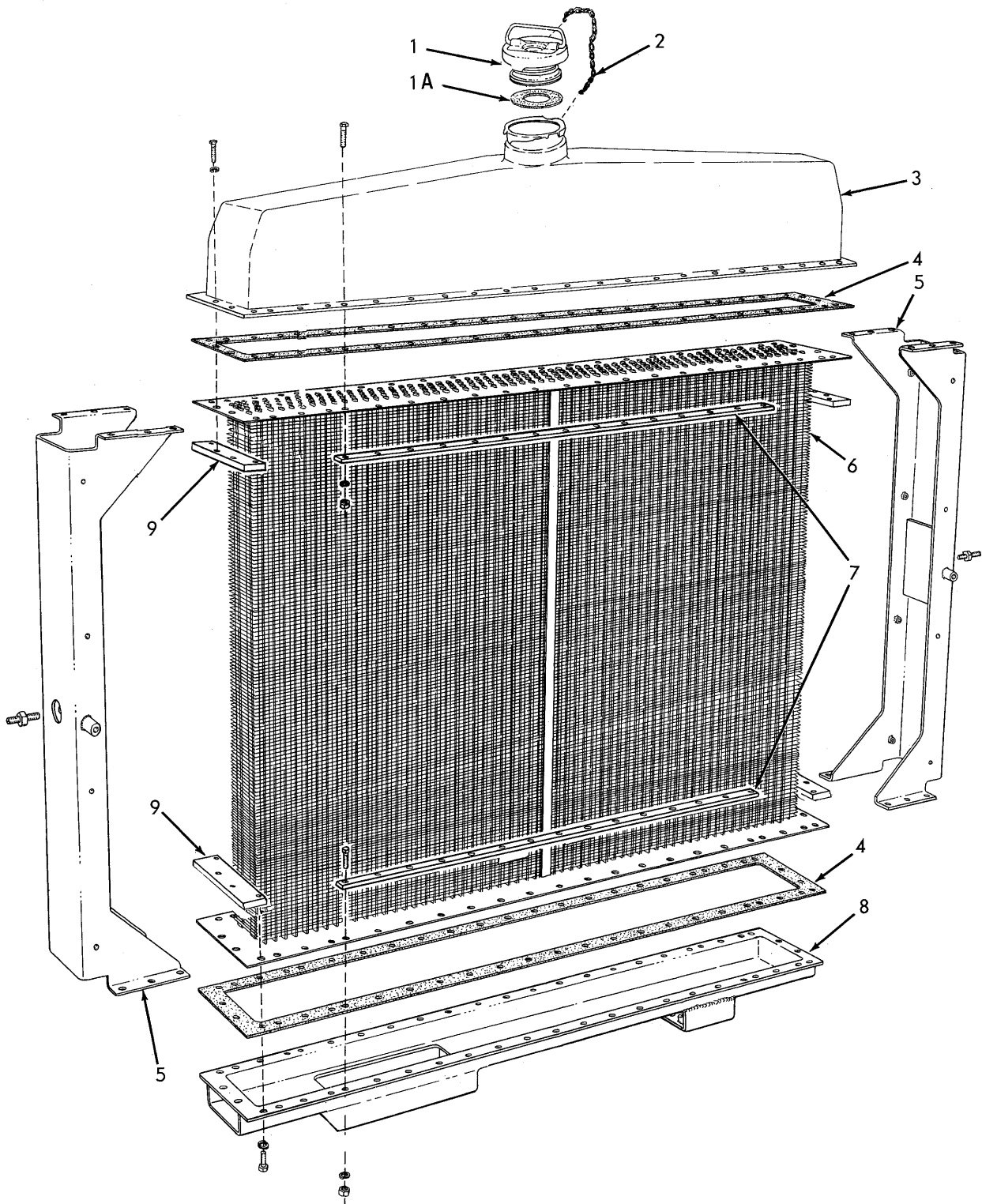
T-75769

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.

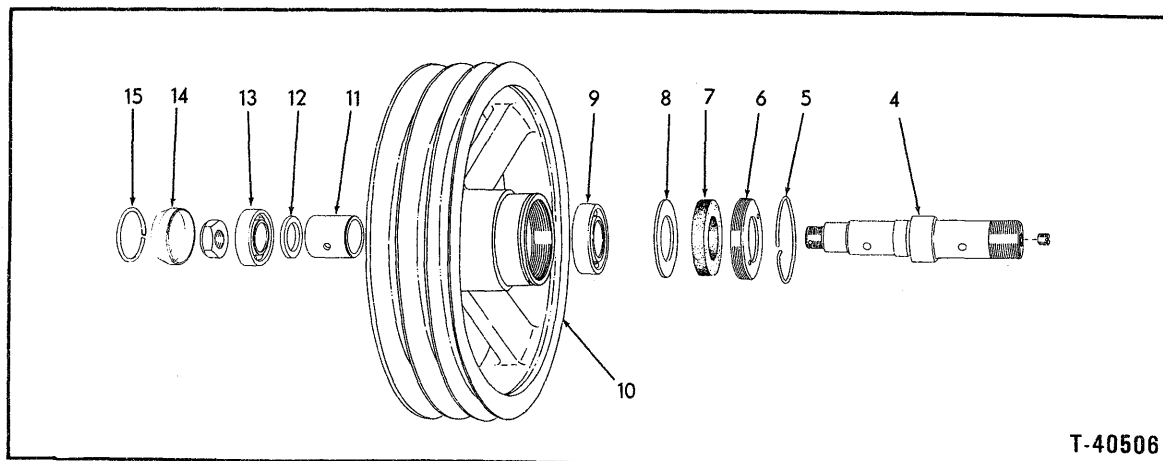


RADIATOR PARTS

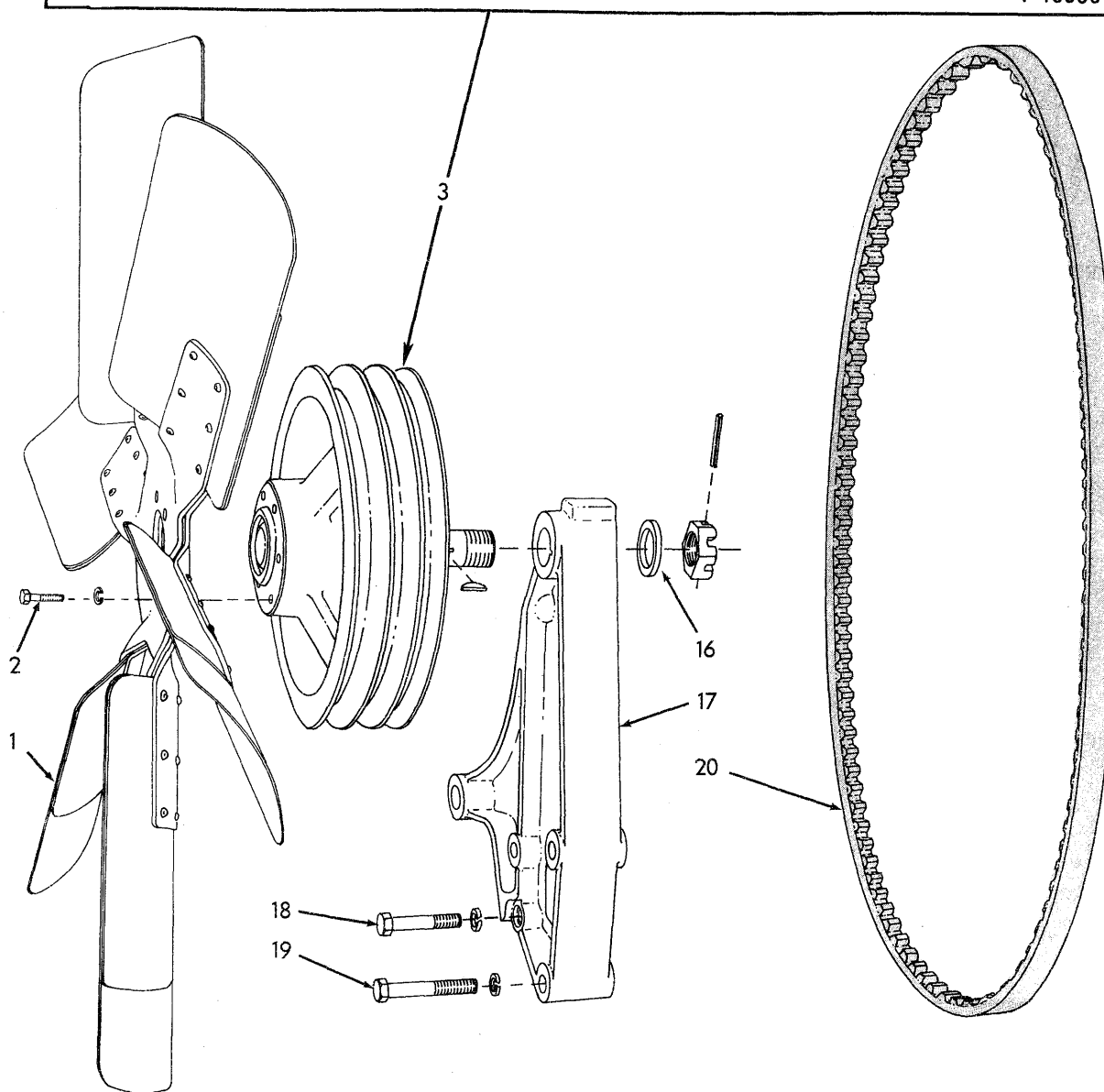
T-13135

RADIATOR PARTS

ITEM	PART NO.	QTY.	DESCRIPTION	
-	70673020	1	RADIATOR ASSY. (Standard. copper-finned)	} Consists of items 1 thru 9
-	70682552	1	RADIATOR ASSY. (Severe-service. Copper-finned. Staggered tubes)	
-	70671187	1	RADIATOR ASSY. (Special. steel-finned)	
1	70654096	1	CAP ASSY., filler (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	} Tractors prior to unit #10451
	70915888	2	SETSCREW, slotted-hd., cup-pt., 3/8"NC x 1-3/4"	
	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

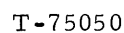


FAN PULLEY

T-75873

FAN PULLEY

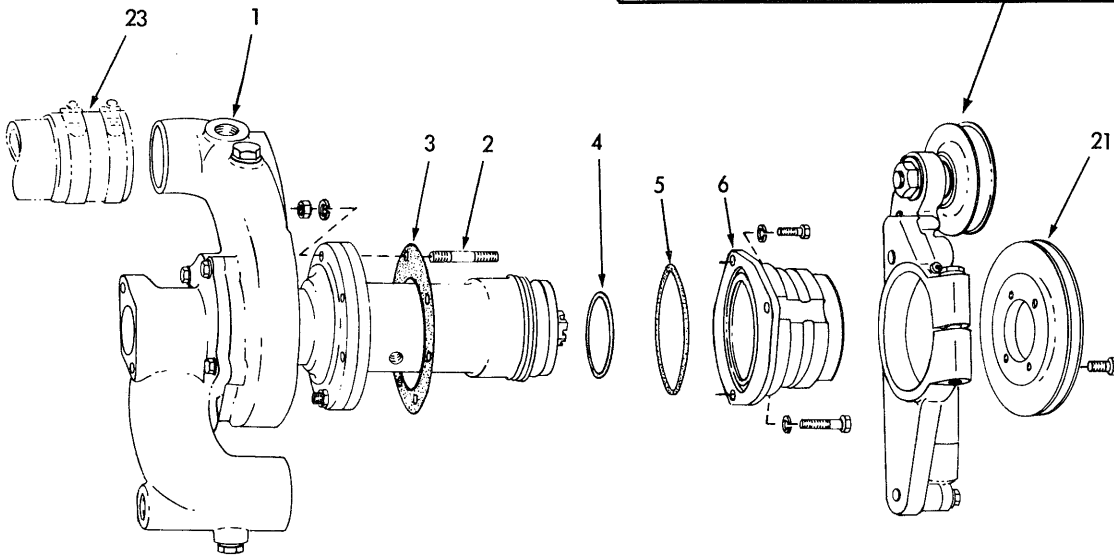
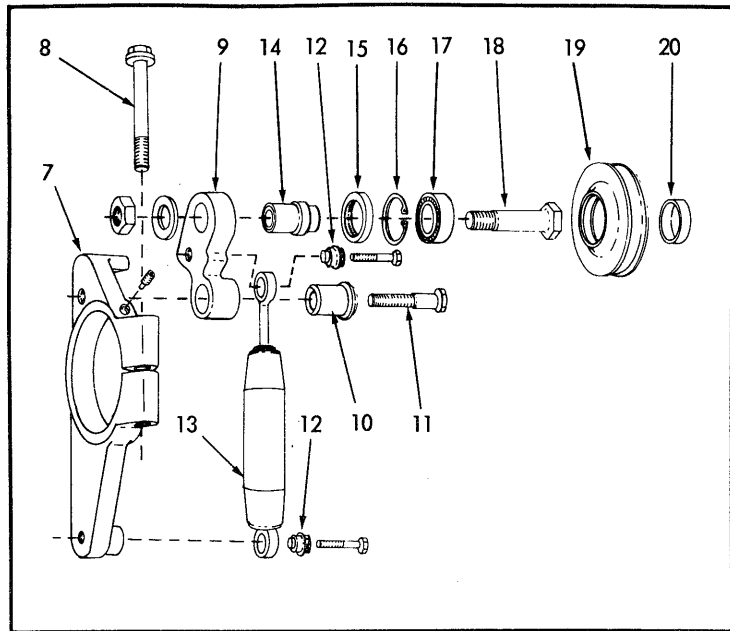
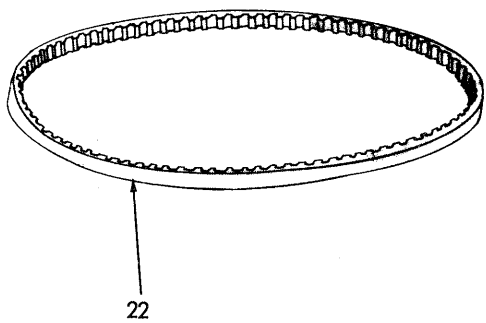
ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	FAN (See page 89)
2	70921076	6	CAPSCREW, 3/8"NC x 1-1/4"
	70910287	6	LOCKWASHER, 3/8"
3	70676697	1	PULLEY ASSY., fan (Consists of items 4 thru 15)
	70913798	1	NUT, jam, slotted, 1-1/4"NF
	70915692	1	PIN, spring, 1/4" x 1-7/8"
	70905122	1	KEY, #7 woodruff, 1/8" 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)



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)

(Revised July 1978)



WATER PUMP DRIVE

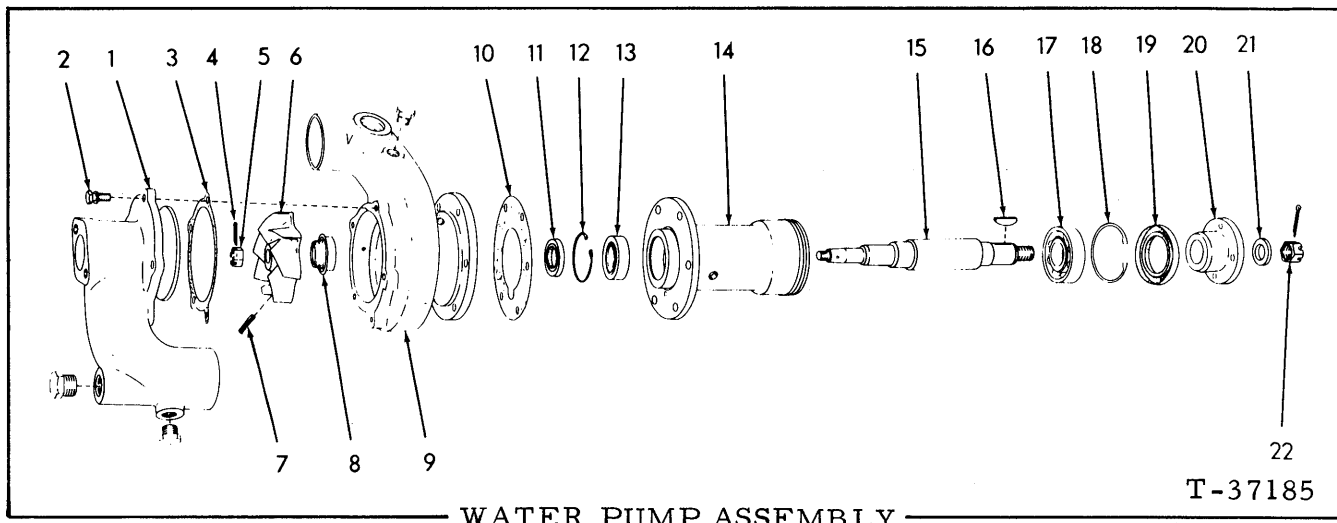
T-75043

WATER PUMP DRIVE

USAGE: Engine S/N 16-10444 and up. S/N 17-01253 thru 17-01302. S/N 17-01772 and up. Also 6138 LT engines.

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	PUMP ASSY., water (See page 98 and 99)
2	74513810	5	STUD, attaching
	70904206	5	LOCKWASHER, 3/8" } Early units
	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 (16000 and 17000 engines)
	70923950	1	□O-RING (6138 LT engines)
6	74391003	1	SUPPORT (16000 and 17000 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" (16000 and 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)

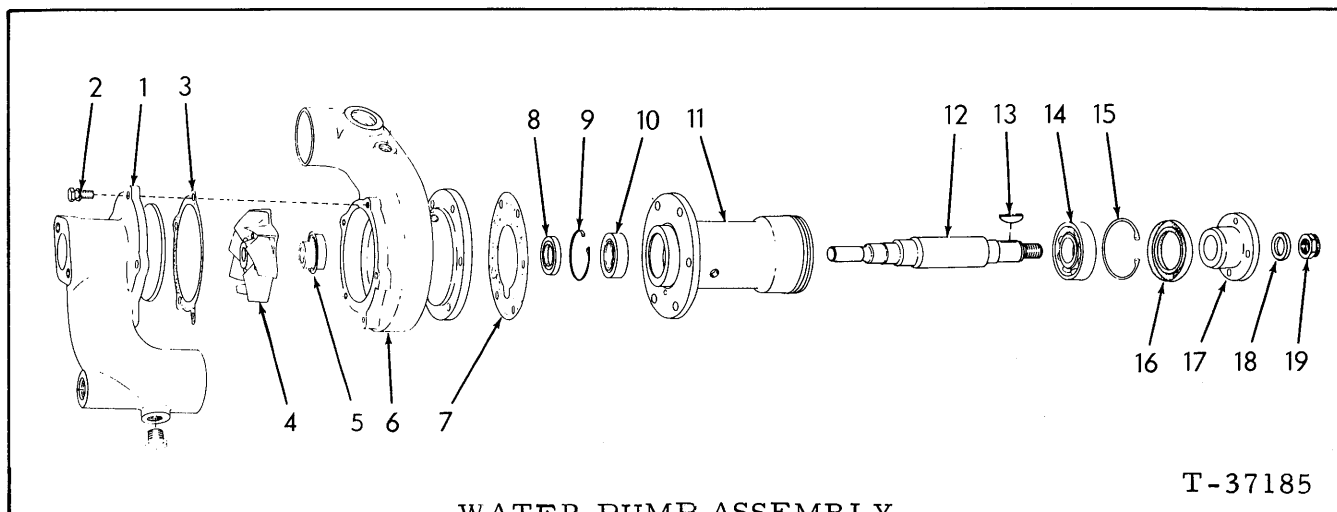
(Revised September 1980)



USAGE: See page 94, 96 16000 engines prior to S/N 16-10275. 17000 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
2	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"

(Revised September 1980)

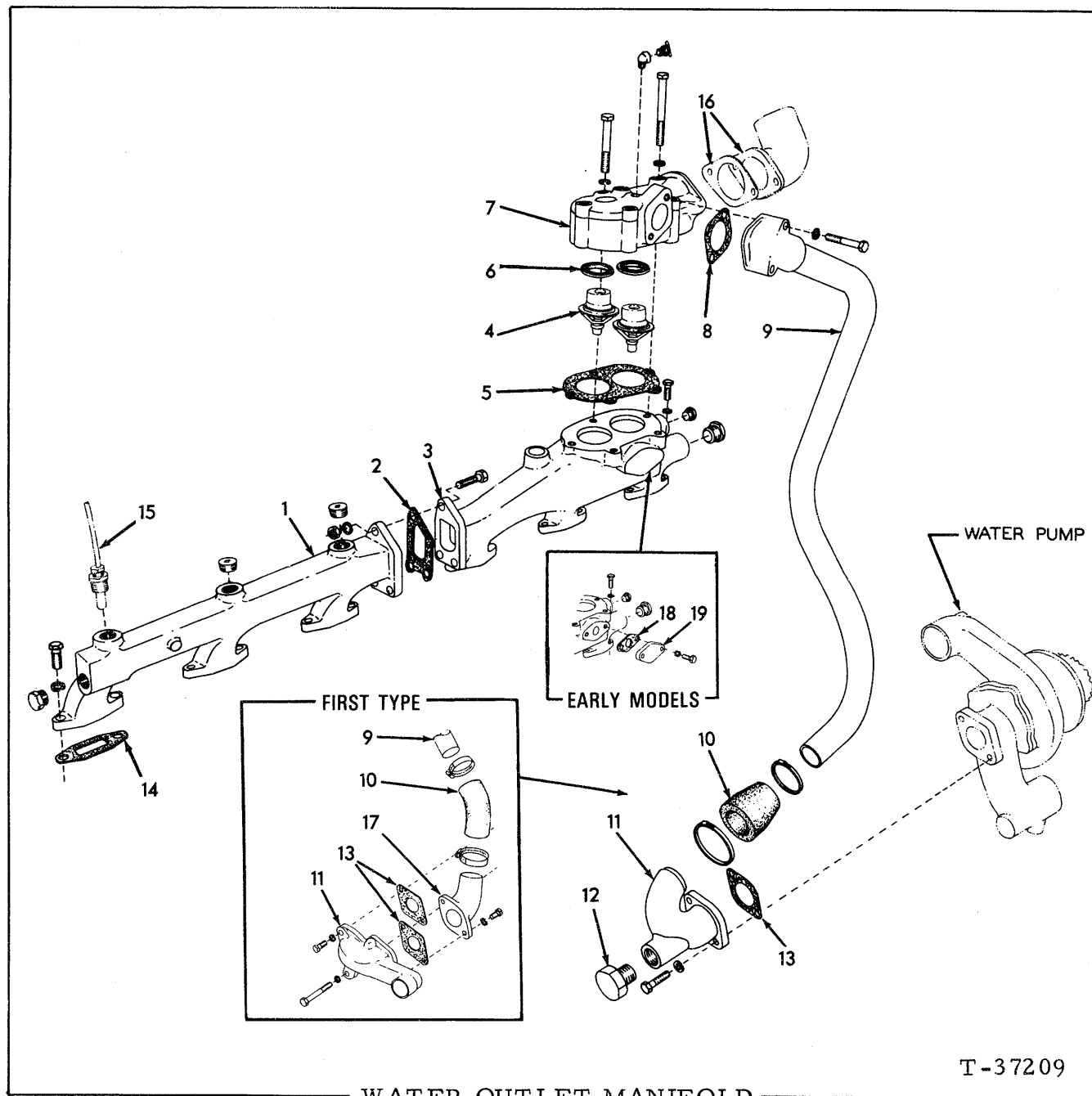


WATER PUMP ASSEMBLY

USAGE: See page 96 . 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	-----	1	SEAL ASSY. (Engines prior to S/N 17-05080)(Order item 20)
	74396349	1	SEAL ASSY.
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)

(Revised September 1980)



WATER OUTLET MANIFOLD

ITEM	PART NO.	QTY.	DESCRIPTION
1	74393615	1	MANIFOLD, rear (Also order 1 PLUG 70924636) (Engines prior to #16-10922)
	74394959	1	MANIFOLD, rear (Engines #16-10922 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
	70924636	1	PLUG, pipe, 1/2"NPT
2	74395425	1	□ GASKET, manifold connecting

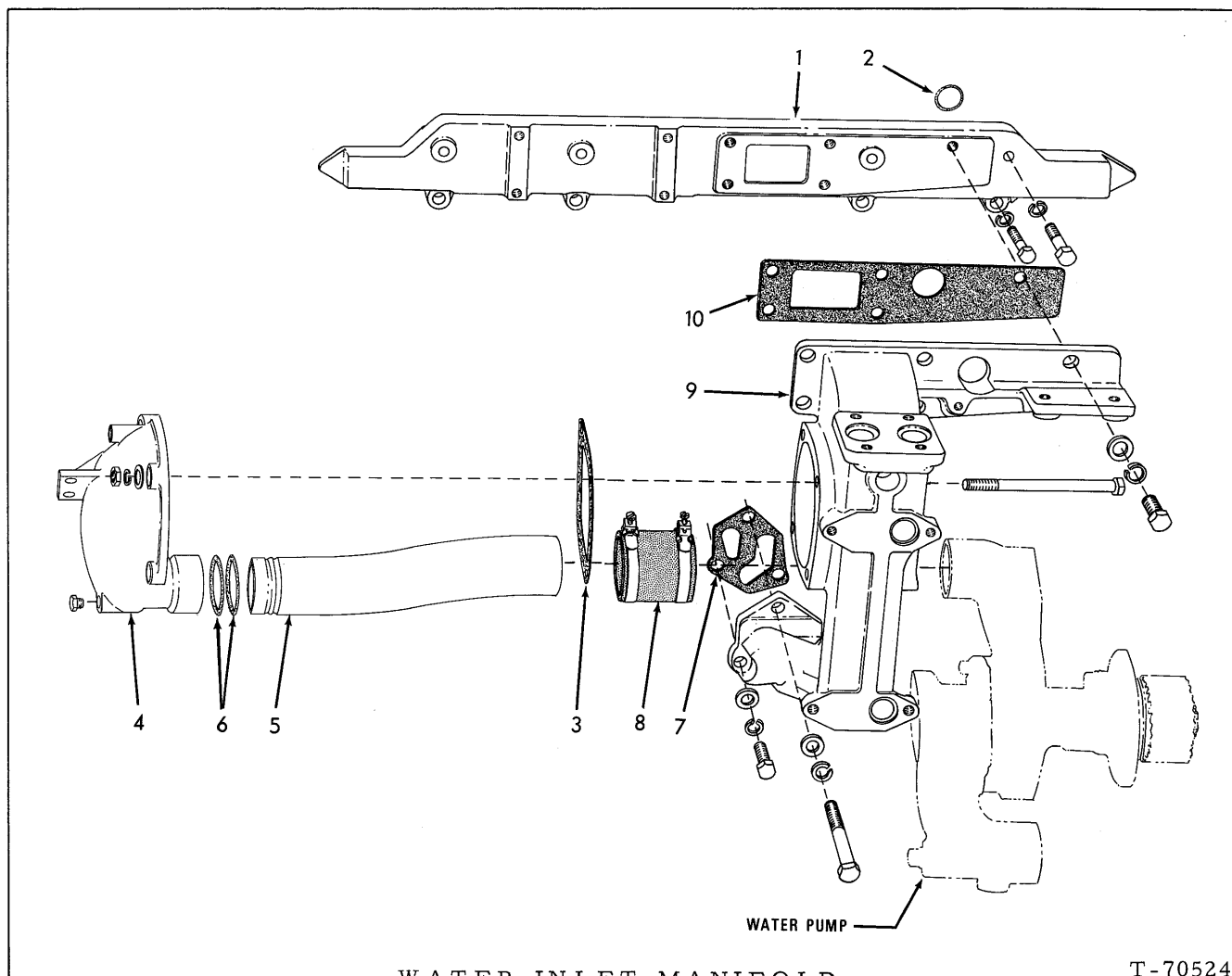
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(Revised April 1977)

WATER OUTLET MANIFOLD (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION	
3	74393559	1	MANIFOLD (Engines prior to #16-10901)	
	74394627	1	MANIFOLD, front (Engine #16-10901 and up)	
	70920416	1	PLUG, 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, stree, brass, 90°, 1/4"NPT	} Engines prior to #16-10901
	70912415	1	COCK T-handle, 1/4"NPT (For 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 #16-10922)	
	74394615	1	TUBE (Engines #16-10922 and up)	
	70916274	2	CAPSCREW, 3/8"NC x 2-1/4"	
	70904206	2	LOCKWASHER, 3/8"	
10	74394742	1	ELBOW (Engines prior to #16-10922)	
	74396370	1	ELBOW (Engines #16-10922 and up)	
	70922198	2	CLAMP, hose, 1-9/16" to 2-9/16" diam.	
11	74386779	1	FLANGE (Engines prior to #16-10922)	
	74396115	1	ELBOW (Engines #16-10922 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 212)	
16	-----	-	ELBOW AND GASKET (See page 87)	
17	74386881	1	ELBOW	
	70916271	2	CAPSCREW, 3/8"NC x 1"	
	70904206	2	LOCKWASHER, 3/8"	
18	74362458	1	GASKET	} Engines prior to #16-10901
19	74313015	1	COVER	
	70915408	2	CAPSCREW, 3/8"NC x 3/4"	
	70904206	2	LOCKWASHER, 3/8"	

(Revised September 1980)



USAGE: 16000 MK II engines. (Also see page 103A)
 ITEM PART NO. QTY. DESCRIPTION

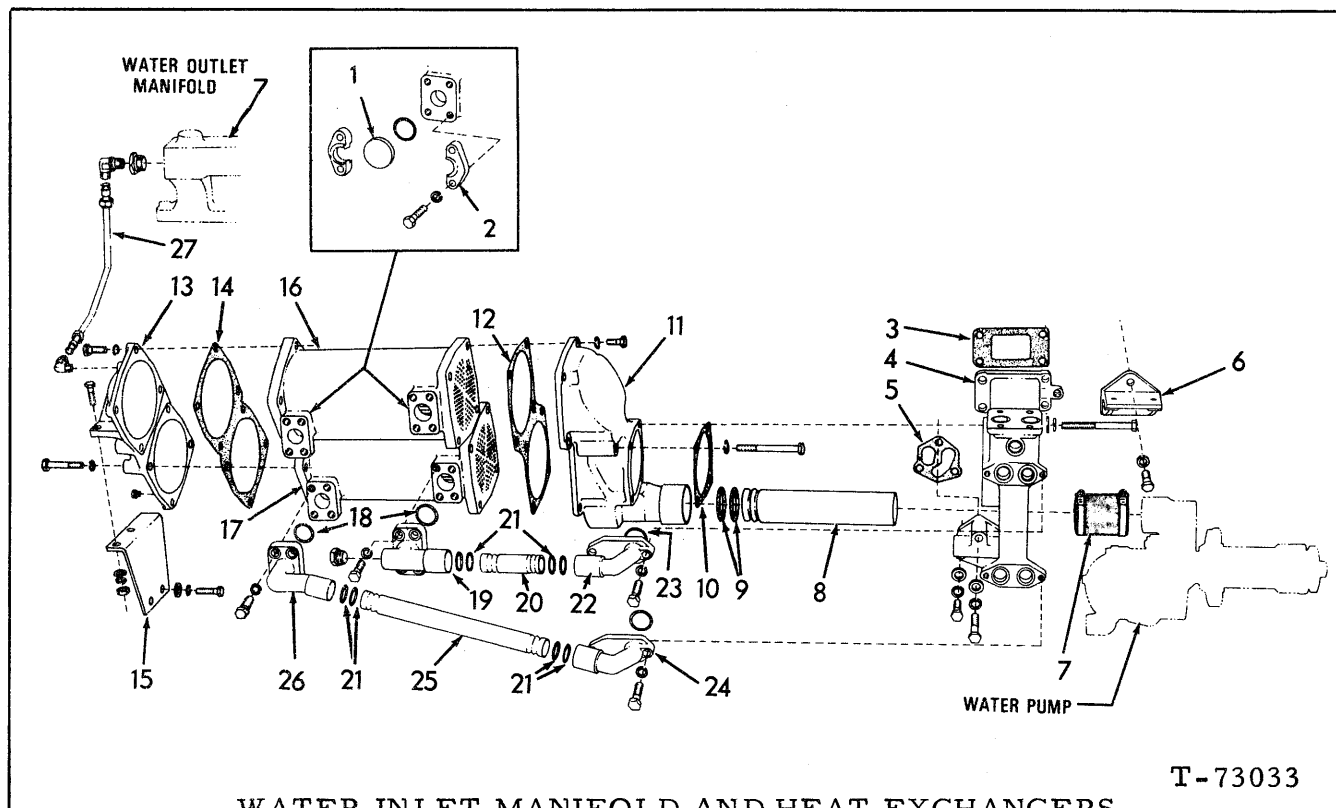
1	74395002	1	MANIFOLD, water inlet	} Engines prior to #16-10921
	70919231	4	CAPSCREW, 1/2"NC x 1-7/8"	
	70916317	4	CAPSCREW, 1/2"NC x 2-3/4"	
	70904208	8	LOCKWASHER, 1/2"	
	70931239	2	PLUG	
2	70925612	12	O-RING, water inlet manifold	
3	74371160	1	GASKET, bonnet to manifold	
4	74388463	1	BONNET, manifold	
	70919840	1	PLUG, pipe, hex-hd., 1/4"NPT	
	70916324	4	CAPSCREW, 1/2"NC x 6"	
	70904208	4	LOCKWASHER, 1/2"	
	70912333	4	WASHER, plain	
	70910325	4	NUT, 1/2"NC	
	74371107	2	WASHER, plain (turbocharger supply line bracket)	
5	74378071	1	TUBE, pump to bonnet	

(Continued)

(Revised September 1980)

WATER INLET MANIFOLD (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
6	70923651	2	O-RING, bonnet tube
7	74386495	1	GASKET, manifold to block
8	74662263	1	HOSE, bonnet tube to water pump
	70922199	2	CLAMP, hose
9	74391461	1	MANIFOLD, water and oil
	70918683	1	CAPSCREW, 1/2"NC x 1-1/8" (Engine #16-10921 and up)
	70916311	5	CAPSCREW, 1/2"NC x 1-1/4"
	70915987	2	CAPSCREW, 1/2"NC x 1-1/2"
	70916320	1	CAPSCREW, 1/2"NC x 4"
	70904208	8	LOCKWASHER, 1/2"
	70912333	8	WASHER, plain
10	74389291	1	GASKET, water and oil manifold



WATER INLET MANIFOLD AND HEAT EXCHANGERS

USAGE: Tractors S/N 17A-15076 thru 15142 with 17000 MK II engine.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70643228	2	PLUG
	70923664	2	O-RING
2	70921117	4	FLANGE
	70921569	8	CAPSCREW, 7/16" NC x 1-1/4"
	70914678	8	LOCKWASHER, 7/16"
3	74389635	1	GASKET
4	74394922	1	MANIFOLD
	70916311	4	CAPSCREW, 1/2"NC x 1-1/4"
	70915987	2	CAPSCREW, 1/2"NC x 1-1/2"
	70916320	2	CAPSCREW, 1/2"NC x 4"
	70904208	7	LOCKWASHER, 1/2"
	70912333	7	WASHER
	70920525	1	PLUG, pipe, hex-hd., 3/4"NPT
5	74386495	1	□GASKET
6	74393708	1	BRACKET
	70915987	1	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	1	LOCKWASHER, 1/2"
7	74662263	1	HOSE
	70922199	2	CLAMP, 2-9/16" to 3-9/16" diam.
8	74388185	1	TUBE
9	70923651	2	□O-RING
10	74371160	1	□GASKET

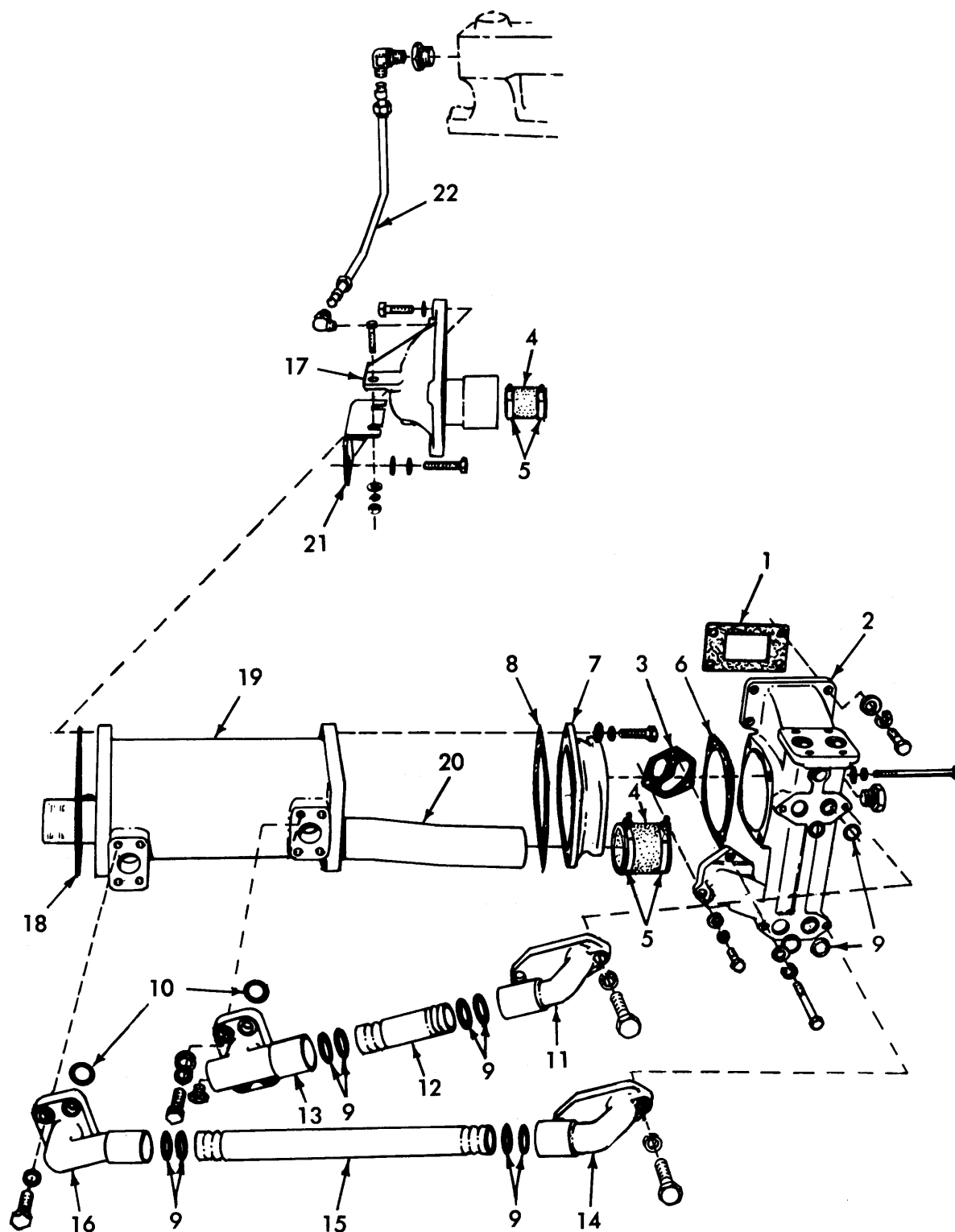
(Continued)

(Revised September 1980)

WATER INLET MANIFOLD AND HEAT EXCHANGERS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
11	74395447	1	ADAPTER
	70919294	2	CAPSCREW, 1/2"NC x 4-1/4" } To exchanger
	70915987	6	CAPSCREW, 1/2"NC x 1-1/2" }
	70916320	1	CAPSCREW, 1/2"NC x 4" } To manifold
	70916322	2	CAPSCREW, 1/2"NC x 5" }
	70904208	12	LOCKWASHER, 1/2"
	70916009	4	WASHER
12	74389678	1	□GASKET
13	74394949	1	BONNET
	70919840	1	PLUG, pipe, hex-hd., 1/4"NPT
	70916313	4	CAPSCREW, 1/2"NC x 1-3/4" } To exchanger
	70915969	4	CAPSCREW, 1/2"NC x 3" }
	70904208	8	LOCKWASHER, 1/2" }
	70914847	2	CAPSCREW, 3/8"NC x 1-1/2" }
	70911115	4	WASHER, plain, SAE std., 3/8" }
	70904206	2	LOCKWASHER, 3/8" }
	70910324	2	NUT, 3/8"NC }
14	74389676	1	□GASKET
15	74387453	1	BRACKET
	70922290	2	CAPSCREW, 1/2"NC x 2"
	70910244	2	WASHER, plain, SAE std., 1/2"
	70904208	2	LOCKWASHER, 1/2"
16	74394014	1	EXCHANGER, heat, upper
17	74394188	1	EXCHANGER, heat, lower
18	74255781	2	□O-RING
19	74394953	1	ELBOW
	70916191	4	CAPSCREW, 7/16"NC x 1-1/2"
	70904207	4	LOCKWASHER, 7/16"
20	74390595	1	TUBE
21	74255631	8	O-RING
22	74390592	1	ELBOW
	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"
23	74255631	2	□O-RING
24	74390589	1	ELBOW
	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
26	74390590	1	ELBOW
	70916191	4	CAPSCREW, 7/16"NC x 1-1/2"
	70904207	4	LOCKWASHER, 7/16"
27	74390583	1	TUBE
	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

(Revised September 1980)



T-82593

— WATER INLET MANIFOLD AND HEAT EXCHANGER —

USAGE: 6138 LT engine

ITEM	PART NO.	QTY.	DESCRIPTION
1	74389635	1	GASKET

(Continued)

WATER INLET MANIFOLD AND HEAT EXCHANGER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
2	74394922	1	MANIFOLD, inlet
	70916311	4	CAPSCREW, 1/2"NC x 1-1/4"
	70915987	3	CAPSCREW, 1/2"NC x 1-1/2"
	70916322	2	CAPSCREW, 1/2"NC x 5"
	70912441	9	LOCKWASHER
	70912333	9	WASHER
	70920525	1	PLUG, pipe, 3/4" (HTR Provision)
3	74886495	1	GASKET
4	74014655	2	HOSE, 2-1/2" I.D. x 2-1/2"
5	70922199	4	CLAMP, hose
6	74371160	1	GASKET
7	74394955	1	ADAPTOR
	70915987	4	CAPSCREW, 1/2"NC x 1-1/2"
	70916320	2	CAPSCREW, 1/2"NC x 4"
	70912333	4	WASHER, 1/2"
	70912441	6	LOCKWASHER
8	74386856	1	GASKET
9	74255631	12	O-RING
10	74255781	2	O-RING
11	74390592	1	ELBOW, upper
	70912069	1	CAPSCREW, 3/8"NC x 2-1/2"
	70919225	1	CAPSCREW, 3/8"NC x 1-3/8"
	70910287	2	LOCKWASHER
12	74390595	1	TUBE, outlet
13	74390591	1	ELBOW, heat exchanger, front
	70916191	4	CAPSCREW, 7/16"NC x 1-1/2"
	70914678	4	LOCKWASHER
	70920333	1	PLUG, pipe, 3/8"NPT
14	74390589	1	ELBOW, lower
	70912069	1	CAPSCREW, 3/8"NC x 2-1/2"
	70919225	1	CAPSCREW, 3/8"NC x 1-3/8"
	70910287	2	LOCKWASHER
	70919840	1	PLUG, pipe, 1/4"NPT
15	74390594	1	TUBE, inlet
16	74390590	1	ELBOW, heat exchanger, rear
	70916191	4	CAPSCREW, 7/16"NC x 1-1/2"
	70914678	4	LOCKWASHER
17	74394965	1	BONNET, heat exchanger
	70916272	2	CAPSCREW, 3/8"NC x 1-1/4"
	70911115	2	WASHER
	70910287	2	LOCKWASHER
	70910324	2	NUT
	70915987	4	CAPSCREW, 1/2"NC x 1-1/2"
	70912441	4	LOCKWASHER
18	74386223	1	GASKET
19	74394188	1	EXCHANGER, heat, engine oil
20	74394966	1	TUBE
	70919840	1	PLUG, pipe, 1/4"
21	74396568	1	SUPPORT
	70916313	2	CAPSCREW, 1/2"NC x 1-3/4"
	70912441	2	LOCKWASHER
	70910244	2	WASHER

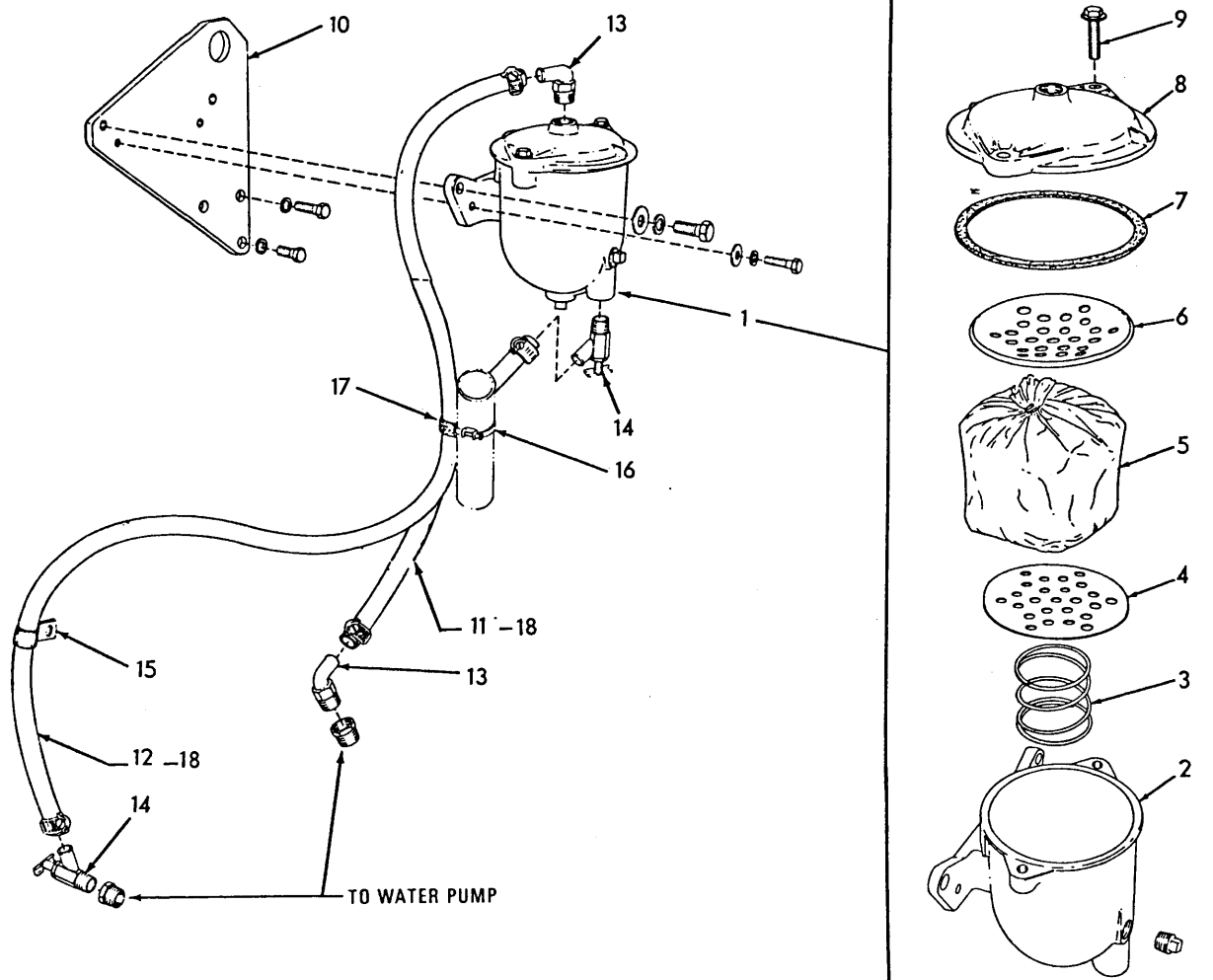
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..(Added September 1980)

WATER INLET MANIFOLD AND HEAT EXCHANGER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
22	74391998	1	TUBE, bleed (For dry exhaust applications)
	70917809	2	NUT
	74255956	2	SLEEVE (viton)
	70901839	1	BUSHING, reducer
	70919481	2	ELBOW, 90° 1/4"NPT

(Added September 1980)



COOLANT FILTER

T-72473

USAGE: First 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

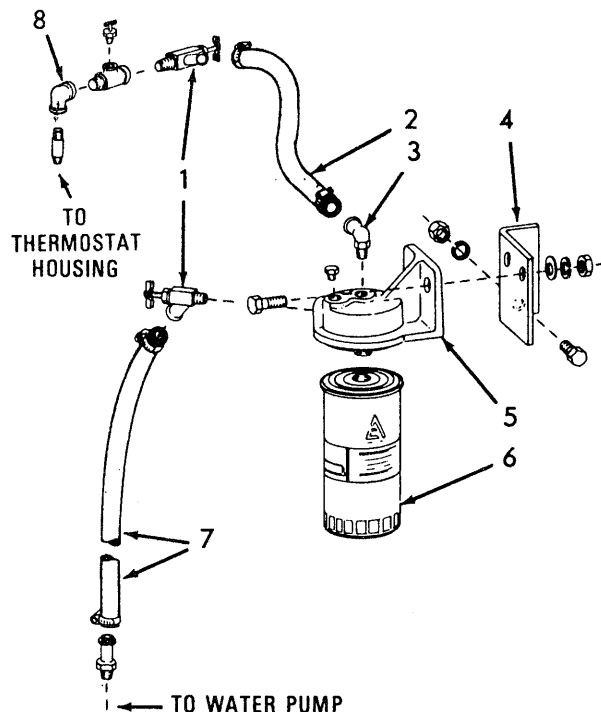
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(Revised February 1976)

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, 6 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)

(Revised July 1976)



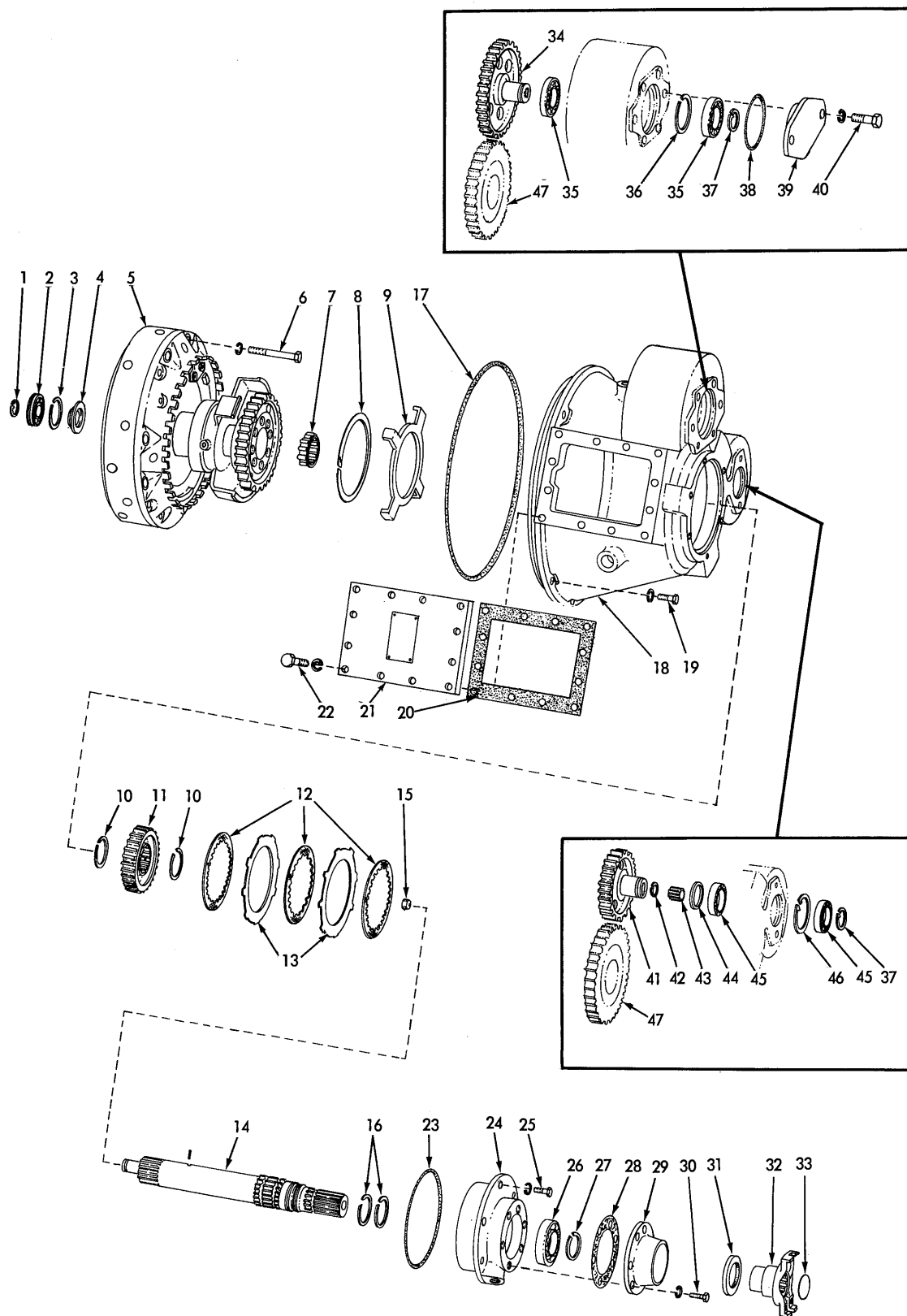
T-77887

COOLANT FILTER

USAGE: Second type (Spin-on)

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.



ENGINE CLUTCH AND HOUSING

T-76299

ENGINE CLUTCH AND HOUSING

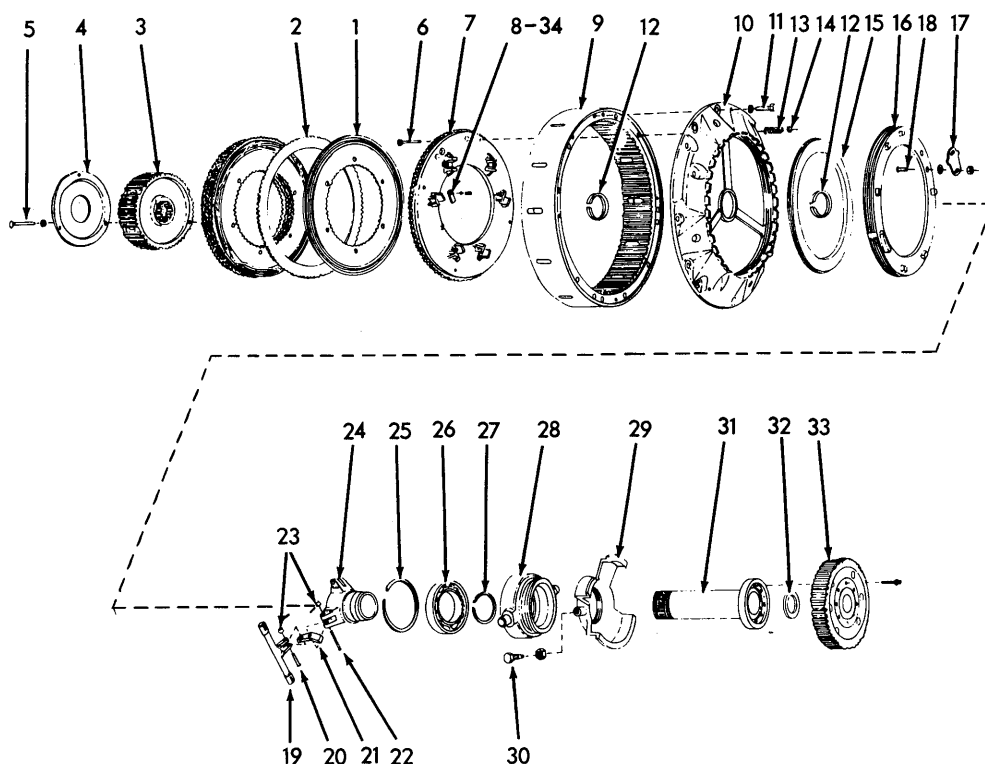
ITEM	PART NO.	QTY.	DESCRIPTION
1	70671344	1	RING, snap, bearing retaining
2	70097088	1	BEARING, ball, clutch shaft, front
3	70644300	1	RING, snap, clutch thrust
4	70644299	1	SPACER, clutch thrust
5	-----	1	CLUTCH ASSY. (See page 110)
6	70925889	8	CAPSCREW, 1/2"NC x 4-1/2"
	70912441	8	LOCKWASHER, 1/2"
7	73037615	1	BEARING, roller, clutch assembly
8	70671336	1	RING, snap, pressure plate retaining
9	70671335	1	PLATE, pressure, clutch brake
10	70629860	2	RING, snap, hub retaining
11	70671334	1	HUB, friction plate
12	70675510	3	PLATE, friction (bi-metallic)
13	70629864	2	PLATE, friction (steel)
14	70671330	1	SHAFT, clutch
	70916146	1	PIN, spring, 3/32" x 1/2"
15	70671419	1	PLUG (drilled)
16	70671331	2	RING, seal, clutch shaft
17	70924828	1	O-RING, clutch housing
18	70671326	1	HOUSING, engine clutch
19	70923192	11	CAPSCREW, 7/16"NC x 1-1/2"
	70927485	1	CAPSCREW, 7/16"NC x 1"
	70914678	11	LOCKWASHER, 7/16"
	70917265	1	WASHER, plain, copper, 7/16"
20	70671328	1	GASKET, access cover
21	70671327	1	COVER, clutch access
22	70915408	12	CAPSCREW, 3/8"NC x 3/4"
	70904206	12	LOCKWASHER, 3/8"
23	70924143	1	O-RING, rear cover
24	70671329	1	COVER, rear
25	74041247	6	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	6	LOCKWASHER, 3/8"
26	70664731	1	BEARING, ball, clutch shaft, rear
27	70050292	1	RING, snap, bearing retaining
28	70664701	1	GASKET, retainer
29	70671345	1	RETAINER, rear bearing
30	70916271	6	CAPSCREW, 3/8"NC x 1"
	70904206	6	LOCKWASHER, 3/8"

(Continued)

ENGINE CLUTCH AND HOUSING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION	
31	70663482	1	SEAL, rear	
32	70682569	1	YOKE ASSY., coupling (Includes item 33)	
33	70910016	1	PLUG, expansion, 2-1/4"	
34	70671340	1	GEAR, driving, dozer pump	
35	70665554	2	BEARING, ball, driving gear	
36	70665563	1	RING, snap, bearing retaining (large)	
37	74253029	2	RING, snap, bearing retaining (small)	
38	70923591	1	O-RING, cover	
39	70664712	1	COVER	} Not used on units equipped with Hydraulic Dozer
40	70920640	2	CAPSCREW, 5/8"NC x 1"	
	70904209	2	LOCKWASHER, 5/8"	
41	70671337	1	GEAR, driving, steering pump	
42	70666239	1	RING, snap, sleeve retaining	
43	70678182	1	SLEEVE, coupling	
44	70671338	1	SPACER, bearing	
45	70241833	2	BEARING, ball, driving gear	
46	70621775	1	RING, snap, bearing retaining	
47	-----	1	GEAR, drive (See ENGINE CLUTCH PARTS)	

MEMO



ENGINE CLUTCH PARTS

T-76300

USAGE: See page 107

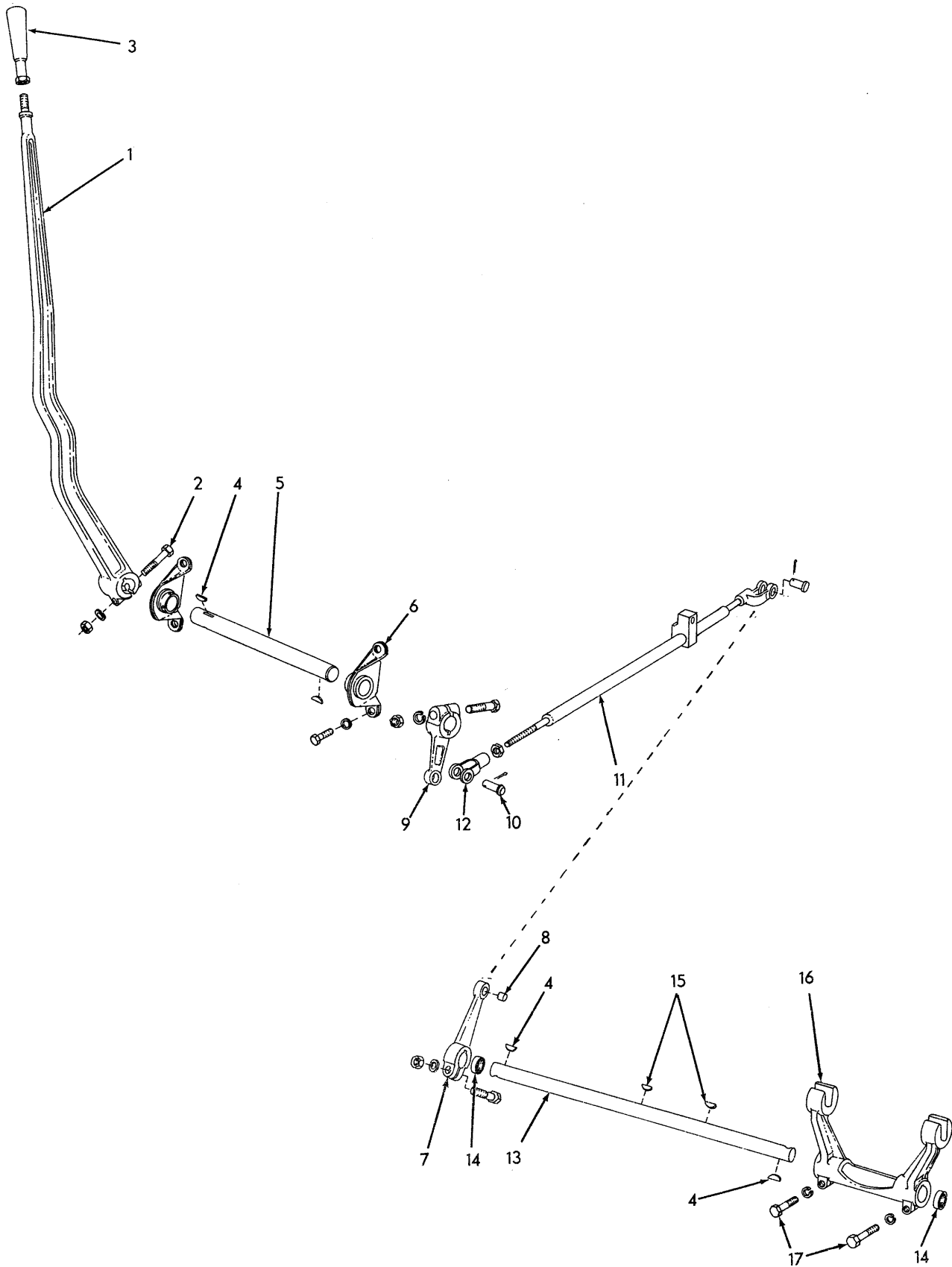
ITEM	PART NO.	QTY.	DESCRIPTION	
-	70671300	1	CLUTCH ASSY., engine (Includes items 1 thru 34)	
1	70671297	4	DISC, friction, inner	
2	70671298	3	DISC, friction, outer	
3	70671294	1	CENTER, splined	
4	70644297	1	COVER, splined center	
5	70671296	3	RIVET, cover retaining	
	70645706	3	WASHER, plain	
6	70074245	4	CAPSCREW, retracting spring	
7	70644292	1	PLATE ASSY., pressure (Includes item 8)	
8	70223585	6	□ BLOCK, cam (Recommend replacement in sets)	} Components of item 34
	70901226	6	□ SCREW, machine, fil-hd., 1/4"NC x 1/2"	
	70914593	6	□ LOCKWASHER, external teeth, 1/4"	
9	70671299	1	RING, driven	
10	70671301	1	PLATE, back	
11	70037450	4	CAPSCREW, 5/16"NC x 1-1/4"	
	70904205	4	LOCKWASHER, 5/16"	
12	70671306	2	RING, snap, drive sleeve retaining	
13	70639751	4	SPRING, pressure plate retracting	
14	70073927	4	NUT, retracting spring screw (self-locking)	

(Continued)

ENGINE CLUTCH PARTS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
15	70671305	1	PLATE, adjusting ring
16	70677744	1	RING, adjusting
17	70671302	1	LOCK, adjustment
18	70671303	2	SCREW (fl-hd., 3/8" NF x 7/8")
	70671304	2	WASHER, plain
	70639750	2	NUT, 3/8" NF
19	70671317	3	CAMSHAFT ASSY. (Recommend replacement in sets. Includes 6 rollers which are not serviced separately and PIN indented below)
	70917466	3	PIN, spring, 3/16" x 1-1/8"
20	70638649	3	PIN, connecting link, short
	70919180	3	PIN, spring, 1/8" x 5/8"
21	70641557	3	LINK, connecting
22	70638648	3	PIN, connecting link, long
	70919180	3	PIN, spring, 1/8" x 5/8"
23	70638650	6	COLLAR, connecting link pin
24	70671316	1	SLEEVE ASSY., shifting (Includes 2 bushings which are not serviced separately)
25	70671315	1	RING, snap, bearing carrier
26	70671314	1	BEARING, ball, shifting sleeve
27	70671313	1	RING, snap, shifting sleeve
28	70671307	1	CARRIER ASSY., bearing
29	70671310	1	PLATE
30	70671308	1	SCREW, set
	70913830	1	NUT, jam, 1/2" NF
31	70671309	1	SLEEVE ASSY., drive (Includes 1 bushing which is not serviced separately)
32	70671312	1	WASHER, wear
33	70671311	1	GEAR, drive
	70922820	8	CAPSCREW, 12 pt-hd., 3/8" NC x 1-1/4"
34	70043397	1	BLOCK KIT, clutch camshaft (Full set of blocks and attaching parts listed under item 8)

☐ Components of item 34

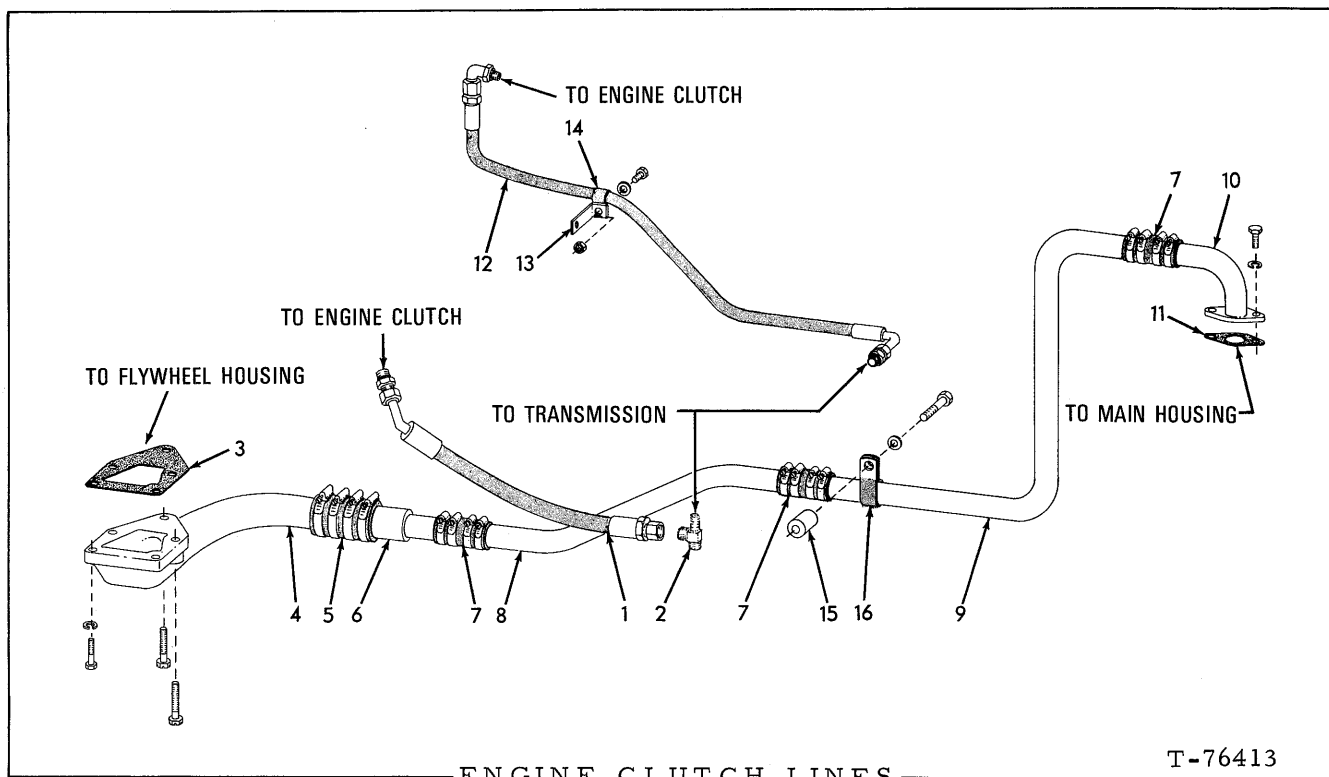


ENGINE CLUTCH CONTROL

T-76412

ENGINE CLUTCH CONTROL

ITEM	PART NO.	QTY.	DESCRIPTION
1	70681046	1	LEVER, operating
2	70922526	1	CAPSCREW, 1/2"NC x 2-1/2"
	70912441	1	LOCKWASHER, 1/2"
	70911028	1	NUT, 1/2"NC
3	70078620	1	GRIP, operating lever
4	70036997	4	KEY, #13 woodruff, hardened, 3/16" x 1"
5	70675261	1	SHAFT, operating lever
6	70654621	2	BEARING, operating lever shaft
	70922263	4	CAPSCREW, 3/8"NC x 1"
	70677006	4	WASHER, plain
7	70058313	1	LEVER ASSY., operating lever shaft, front (Includes item 8)
	70924864	1	CAPSCREW, 1/2"NC x 2-1/4"
	70912441	1	LOCKWASHER, 1/2"
	70911028	1	NUT, 1/2"NC
8	70049988	1	BUSHING, shaft lever
9	70068511	1	LEVER, operating shaft, rear
	70924864	1	CAPSCREW, 1/2"NC x 2-1/4"
	70912441	1	LOCKWASHER, 1/2"
	70911028	1	NUT, 1/2"NC
10	70049993	2	PIN, control rod yoke
	70900805	2	PIN, cotter, 1/8" x 3/4"
11	70682407	1	ROD, control
	70911043	1	NUT, jam, 1/2"NF
12	70068389	1	YOKE, control rod
13	70671343	1	SHAFT, shifting yoke, left
14	70671339	2	SEAL, oil, shifting yoke shafts
15	70905126	2	KEY, #15 woodruff, 1/4" x 1"
16	70677539	1	YOKE ASSY., shifting (Includes hardware indented below)
17	74041247	2	CAPSCREW, 3/8"NF x 1-3/8"
	70904206	2	LOCKWASHER, 3/8"



ENGINE CLUTCH LINES

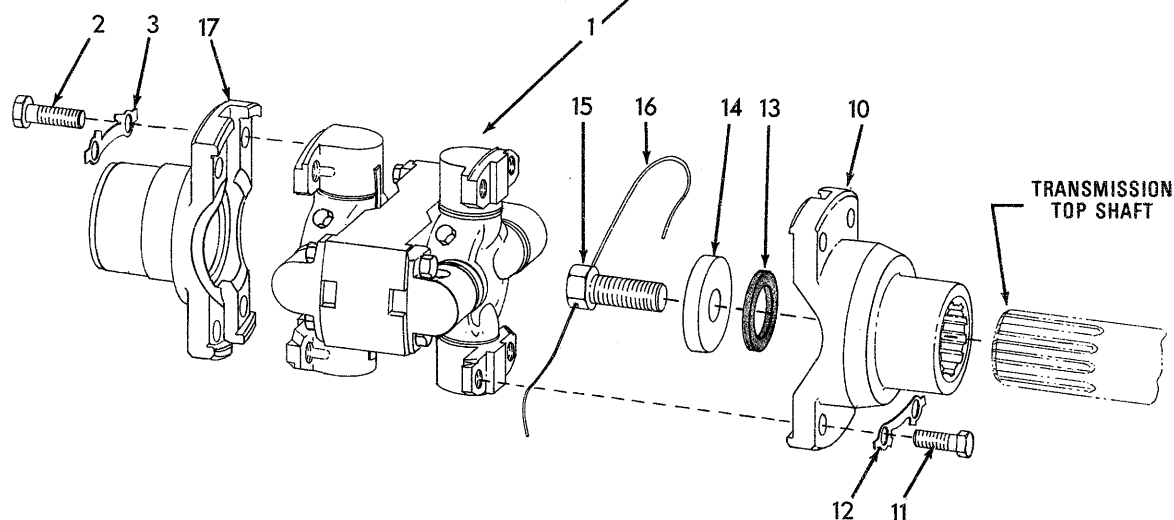
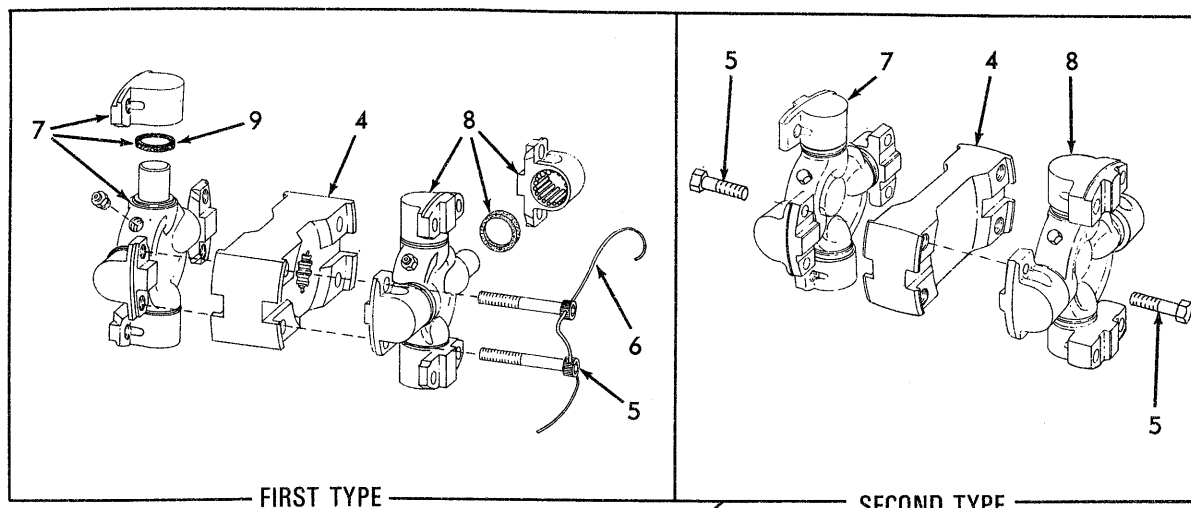
T-76413

ITEM	PART NO.	QTY.	DESCRIPTION
1	70670519	1	HOSE, oil supply (See HOSE PARTS)
	70921409	1	CONNECTOR, flare type, 1/2" tube, 3/4"NF male end (Includes O-RING)
	70921349	1	O-RING, connector
2	-----	1	TEE, oil supply line (See TRANSMISSION OIL LINES)
3	70640636	1	GASKET, elbow
4	70670634	1	ELBOW, return line
	70920574	3	CAPSCREW, 1/2"NC x 1-3/8"
	70659465	1	BOLT, self-locking, 1/2"NC x 1-7/8"
	74255335	1	BOLT, self-locking, 1/2"NC x 2"
	70912441	3	LOCKWASHER, 1/2"
5	70670635	1	HOSE, return line
	70922198	4	CLAMP, hose
6	70675462	1	TUBE, reducing
7	70630636	3	HOSE, return line
	70925881	12	CLAMP, hose
8	70670641	1	TUBE, return line, front
9	70675466	1	TUBE, return line, intermediate
10	70677185	1	TUBE, return line, rear
	70922763	2	CAPSCREW, 3/8"NC x 1"
	70910287	2	LOCKWASHER, 3/8"
11	70668006	1	GASKET, tube

(Continued)

ENGINE CLUTCH LINES (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
12	70670479	1	HOSE, vent (See HOSE PARTS)
	70922522	1	CONNECTOR, flare type, 3/8" tube, 3/4"NF male end (Includes O-RING)
	70922523	1	ELBOW, adjustable, 90°, flare type, 3/8" tube, 9/16"NF male end (Includes O-RING)
	70921349	1	O-RING, connector
	70921885	1	O-RING, elbow
13	70659175	1	ANGLE, hose supporting
14	70094467	1	CLIP, hose supporting
	70922300	1	CAPSCREW, 3/8"NC x 3/4"
	70677006	1	WASHER, plain
	70911026	1	NUT, 3/8"NC
15	70675467	1	BOSS, clip spacing
16	70925623	1	CLAMP, tube supporting
	70922848	1	CAPSCREW, 3/8"NC x 3-1/4"
	70677006	1	WASHER, plain



UNIVERSAL JOINT

T-76250

* Used prior to tractor serial No. 17A12828 excluding 17A12826

** Effective tractor serial No. 17A12828 thru 17A13010 including 17A12826 and excluding 17A13002

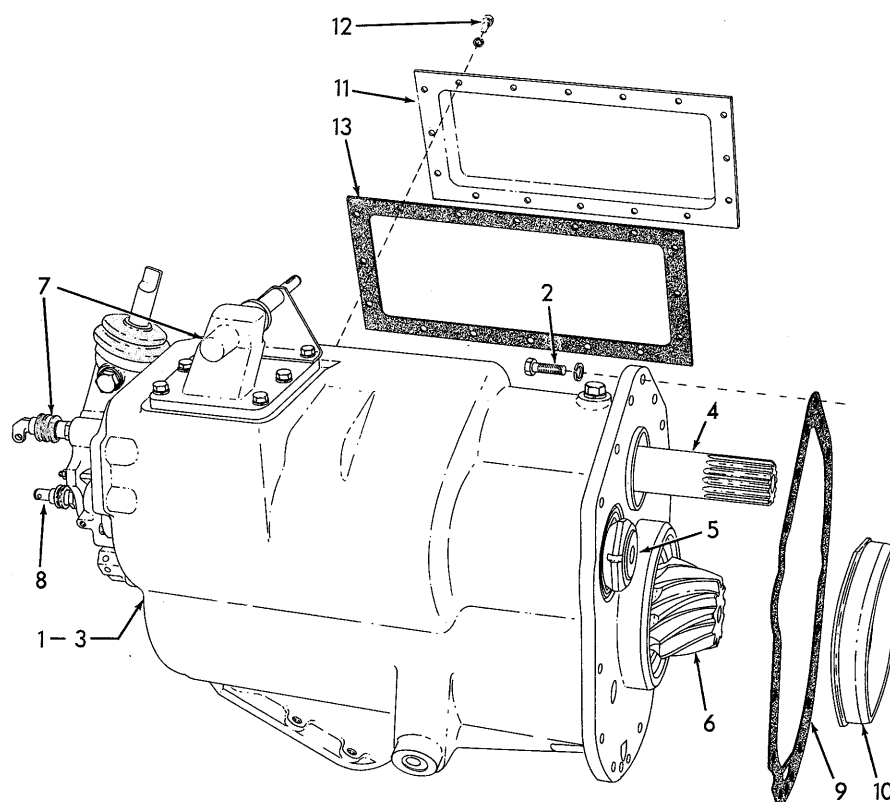
*** Effective tractor serial No. 17A13011 and up including 17A13002

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, 7/16"NF x 1-1/4"
3	70058741	2	-	-	LOCK, capscrow

(Continued)

UNIVERSAL JOINT (Continued)

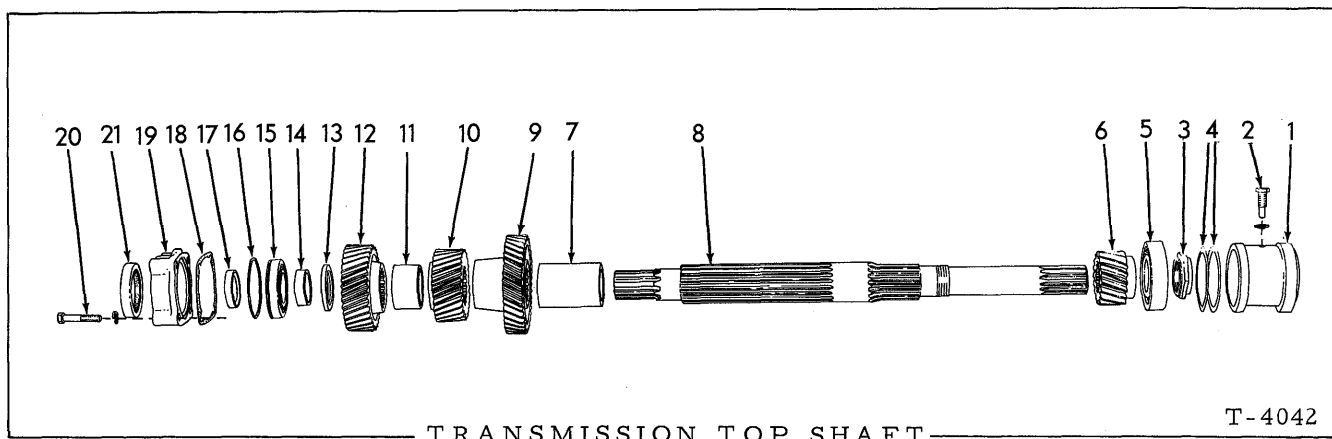
ITEM	PART NO.	QUANTITY			DESCRIPTION
		*	**	***	
4	70629946	1	1	-	COUPLING, center (plain holes)
	70692645	-	-	1	COUPLING, center (tapped holes)
5	70692646	-	-	8	CAPSCREW, coupling (1/2" NF x 2")
	70682573	-	4	-	CAPSCREW, coupling (12 pt., 7/16" NF x 2-11/16")
6	70629945	4	-	-	CAPSCREW, coupling, hex-socket (7/16" NF x 2-11/16")
	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
	70681024	-	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	70632559	1	1	1	YOKE, rear
11	70058739	4	4	4	CAPSCREW, 7/16" NF x 1-1/16"
12	70058741	2	-	-	LOCK, capscREW
13	70059813	1	1	1	SEAL, rear yoke (rubber)
14	70078314	1	1	1	WASHER, rear yoke retaining
15	70075950	1	1	1	CAPSCREW, rear yoke retaining
16	70023633	1	1	1	WIRE, locking, 1/16" x 12"
17	-----	-	-	-	YOKE (See ENGINE CLUTCH AND HOUSING)



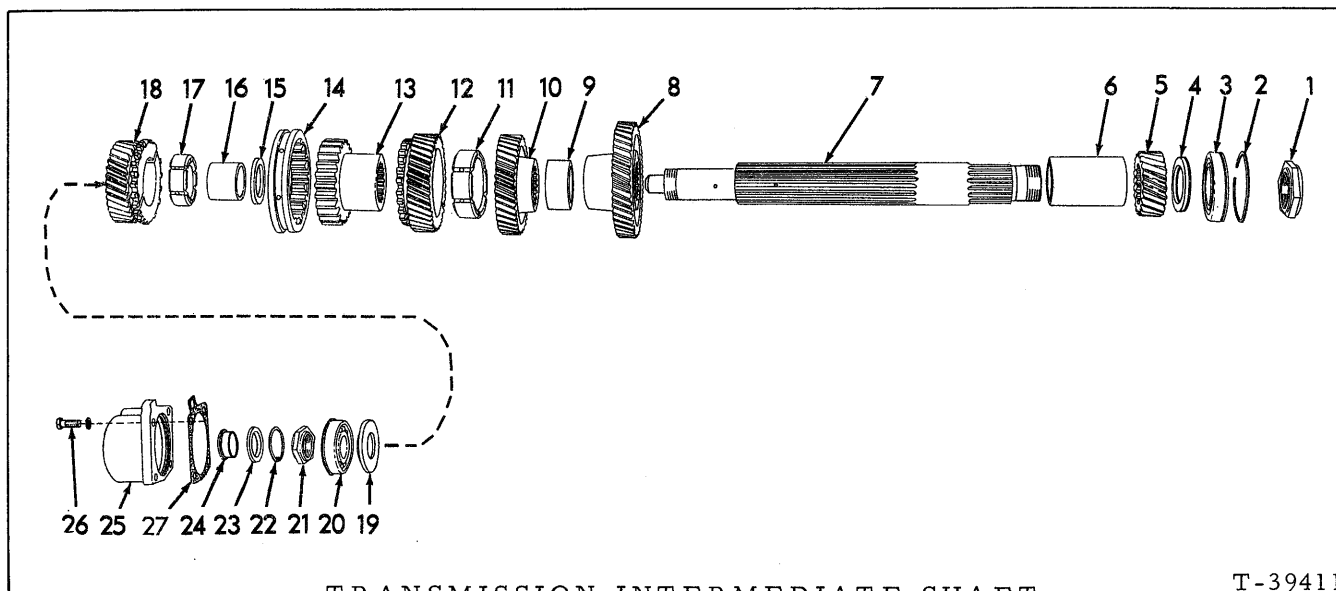
TRANSMISSION

T-73632

ITEM	PART NO.	QTY.	DESCRIPTION
1	0675339	1	TRANSMISSION ASSY. (Includes items 3 thru 8)
2	0035018	12	CAPSCREW, 1/2"NF x 1-1/2"
	0915779	2	CAPSCREW, 1/2"NF x 2"
	0904208	14	LOCKWASHER, 1/2"
3	0630939	1	CASE, transmission
4	-----	-	See TRANSMISSION TOP SHAFT
5	-----	-	See TRANSMISSION INTERMEDIATE SHAFT
6	-----	-	See TRANSMISSION PINION SHAFT
7	-----	-	See FORWARD HIGH-LOW GEAR SHIFT
8	-----	-	See SPEED SELECTION GEAR SHIFT
9	0623618	1	GASKET, case to steering clutch housing
10	0630290	1	RING, adapting
11	0670639	1	COVER, side
12	0035439	14	CAPSCREW, 3/8"NC x 1"
	0904206	14	LOCKWASHER, 3/8"
13	0069679	1	GASKET, side cover



ITEM	PART NO.	QTY.	DESCRIPTION
1	0675300	1	SLEEVE, rear bearing
2	0621330	1	SCREW, sleeve locking
	0904209	1	LOCKWASHER, 5/8"
3	0078864	1	NUT, top shaft
4	0069452	4	SHIM, bearing adjusting (.005" thick. Use as required)
5	0069428	1	BEARING, ball, rear
6	0073771	1	GEAR, 1st reverse (18 teeth)
7	0069442	1	SLEEVE, spacing (4-1/8" long)
8	0621680	1	SHAFT, top
9	0069370	1	GEAR, 3rd reverse (40 teeth)
10	0643059	1	GEAR, low range (30 teeth)
11	0069443	1	SLEEVE, spacing (1-3/4" long)
12	0069359	1	GEAR, high range and 2nd reverse (36 teeth)
13	0069434	1	SPACER, high range and 2nd reverse gear (5/16" long)
14	0069436	1	SLEEVE, spacing, front bearing
15	0057281	1	BEARING, roller, front
16	0042121	1	RING, snap, front bearing
17	0069435	1	SPACER, front bearing (1/2" long)
18	0069451	1	GASKET, front bearing retainer
19	0098922	1	RETAINER, front bearing
20	0028979	4	CAPSCREW, 1/2"NC x 2-1/2"
	0904208	4	LOCKWASHER, 1/2"
21	0629040	1	SEAL, oil, front bearing retainer

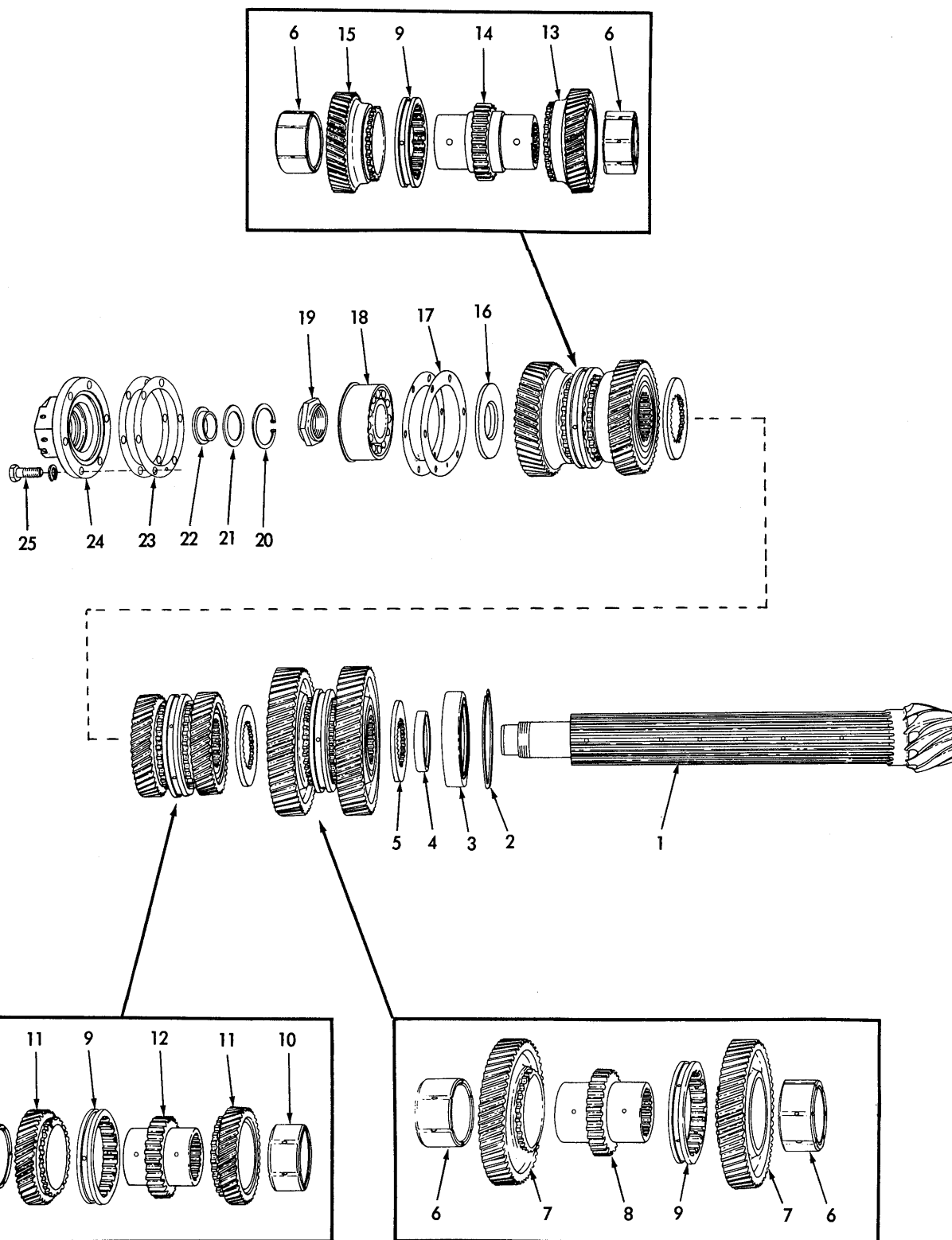


ITEM	PART NO.	QTY.	DESCRIPTION
1	70083478	1	NUT, rear
2	70042121	1	RING, snap, rear bearing
3	70083476	1	BEARING, roller, rear
4	70083477	1	SPACER, rear bearing
5	70083479	1	GEAR, 1st and 2nd speeds (19 teeth)
6	70069442	1	SLEEVE, gear spacing (4-1/8" long)
7	70099066	1	SHAFT, intermediate
8	70069370	1	GEAR, 4th and 6th speeds (40 teeth)
9	70069443	1	SLEEVE, gear spacing (1-3/4" long)
10	70069378	1	GEAR, 3rd and 5th speeds (36 teeth)
11	70623667	1	BUSHING, low range gear
12	70069358	1	GEAR, low range (35 teeth)
13	70069423	1	HUB, low range gear
14	70679788	1	COLLAR, shifting (5/8" groove)
15	70069449	1	SPACER, high range gear bearing
16	70069390	1	RACE, high range gear bearing
17	70623335	1	BUSHING, high range gear
18	70069357	1	GEAR, high range (28 teeth)
19	70041017	1	WASHER, spacing, front bearing

(Continued)

TRANSMISSION INTERMEDIATE SHAFT (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
20	0042852	1	BEARING, ball, front (Includes snap ring)
21	0078861	1	NUT, front
22	0621446	1	RING, snap
23	0621332	1	RING, oil sealing, outer
24	0621333	1	RING, oil sealing, inner
25	0623703	1	RETAINER, front bearing
26	0035190	4	CAPSCREW, 1/2"NC x 1-1/2"
	0904208	4	LOCKWASHER, 1/2"
27	0629734	1	GASKET, bearing retainer

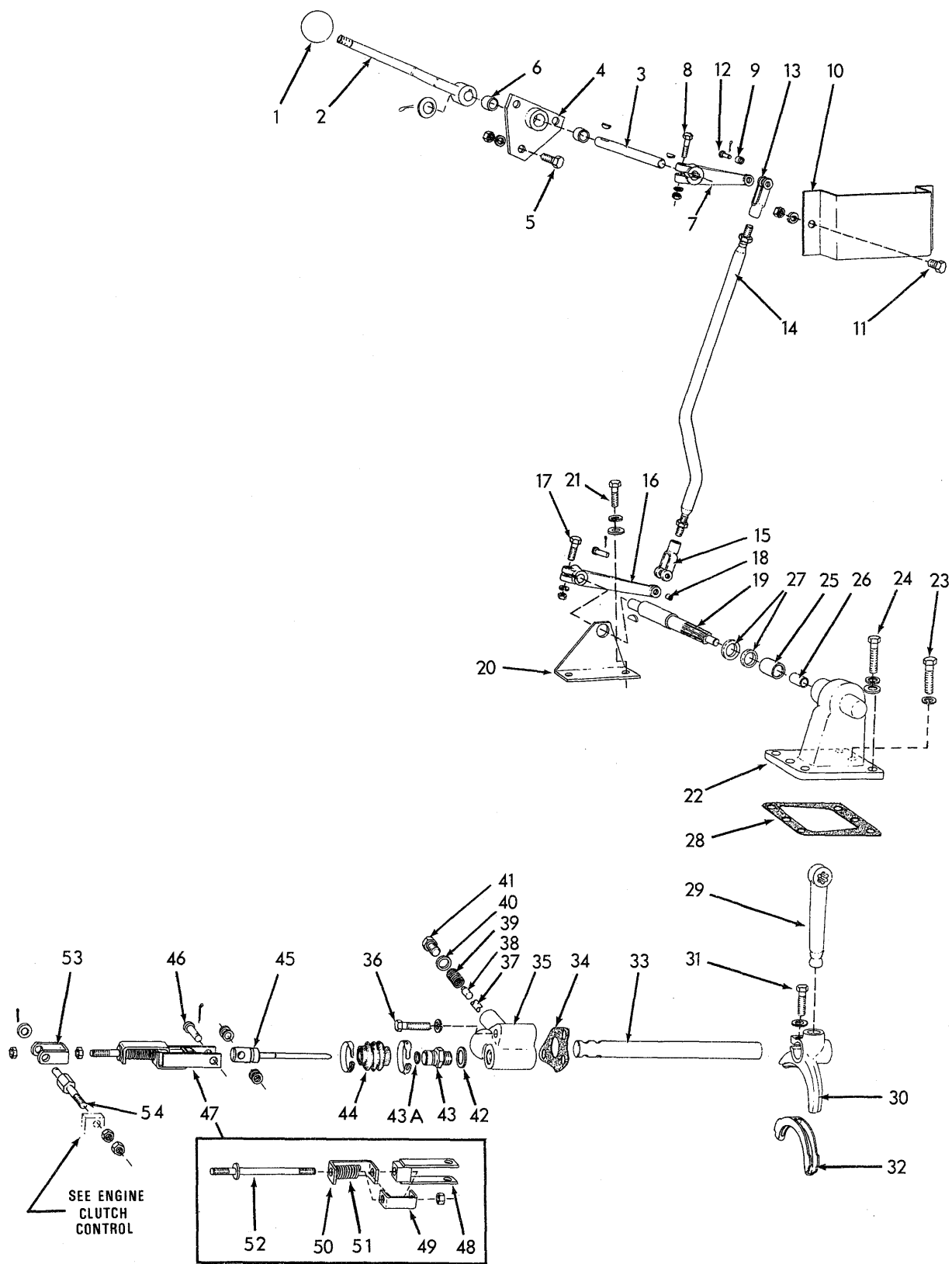


TRANSMISSION PINION SHAFT

T-30868

TRANSMISSION PINION SHAFT

ITEM	PART NO.	QTY.	DESCRIPTION
1	0099074	1	PINION, bevel (11 teeth)
2	0059589	1	RING, snap, rear bearing
3	0059328	1	BEARING, roller, rear
4	0675317	1	SPACER, rear bearing
5	0069386	3	WASHER, gear spacing
6	0623334	4	BUSHING, pinion shaft gears (2-7/16" wide)
7	0073777	2	GEAR, 1st reverse and 1st and 2nd speed (54 teeth)
8	0098957	1	HUB, 1st reverse and 1st and 2nd speed gears
9	0650745	3	COLLAR, shifting (5/8" groove)
10	0623337	2	BUSHING, pinion shaft gears (1-13/16" wide)
11	0069377	2	GEAR, 3rd reverse and 4th and 6th speeds (41 teeth)
12	0099073	1	HUB, 3rd reverse and 4th and 6th speed gears
13	0069374	1	GEAR, 3rd and 5th speed (48 teeth)
14	0099060	1	HUB, 2nd reverse and 3rd and 5th speed gears
15	0649661	1	GEAR, 2nd reverse (48 teeth)
16	0649660	1	WASHER, spacing, front bearing (5-1/2" O.D.)
17	0069447	4	SHIM, adjusting, pinion depth (.005" thick)
	0069448	6	SHIM, adjusting, pinion depth (.010" thick)
} Use as required			
18	0048698	1	BEARING, ball, front (Includes snap ring)
19	0078862	1	NUT, bevel pinion (Also see ODOMETER for special nut)
20	0621445	1	RING, snap
21	0621334	1	RING, oil sealing, outer
22	0621335	1	RING, oil sealing, inner
23	0069445	7	SHIM, cover adjusting (.007" thick)
	0069446	3	SHIM, cover adjusting (.005" thick)
} Use as required			
24	0623704	1	COVER, bearing
25	0035190	6	CAPSCREW, 1/2" NC x 1-1/2"
	0904208	6	LOCKWASHER, 1/2"



FORWARD HIGH-LOW GEAR SHIFT

T-70441

FORWARD HIGH-LOW GEAR SHIFT

ITEM	PART NO.	QTY.	DESCRIPTION
1	70090020	1	KNOB, shift lever
2	70664929	1	LEVER, gear shift (Tractors prior to unit #13201)
	70672366	1	LEVER, gear shift (Tractors unit #13201 and up)
3	70633888	1	SHAFT, gear shift lever
	70905123	2	KEY, #9 woodruff, 3/16" x 3/4"
	70910255	1	WASHER, plain, SAE std., 3/4"
	70900807	1	PIN, cotter, 1/8" x 1-1/4"
4	70633889	1	BRACKET ASSY., gear shift lever (Includes item 6)
5	70035167	3	CAPSCREW, 3/8" NF x 7/8"
	70904206	3	LOCKWASHER, 3/8"
	70911041	3	NUT, 3/8" NF
6	70630795	2	BUSHING, gear shift lever bracket
7	70632282	1	LEVER ASSY., intermediate (Includes item 9)
8	70922286	1	CAPSCREW, 5/16" NC x 1-3/4"
	70910286	1	LOCKWASHER, 5/16"
	70911025	1	NUT, 5/16" NC
9	70624584	1	BUSHING, intermediate lever
10	70666403	1	SHIELD, intermediate lever
11	70035979	2	CAPSCREW, 3/8" NF x 5/8"
	70904206	2	LOCKWASHER, 3/8"
	70911041	2	NUT, 3/8" NF
12	70078810	2	PIN, control rod yoke
	70900942	2	PIN, cotter, 3/32" x 5/8"
13	70634074	1	YOKE, control rod (upper)
14	70664930	1	ROD, control (Tractors prior to unit #13201)
	70682161	1	ROD, control (Tractors unit #13201 and up)
	70911041	2	NUT, 3/8" NF
15	70628736	1	YOKE, control rod (lower)
16	70634758	1	LEVER ASSY., lower (Includes item 18)
17	70922286	1	CAPSCREW, 5/16" NC x 1-3/4"
	70910286	1	LOCKWASHER, 5/16"
	70911025	1	NUT, 5/16" NC
18	70624584	1	BUSHING, lower lever
19	70653702	1	SHAFT, shifting lever
	70905123	1	KEY, #9 woodruff, 3/16" x 3/4"
	70910255	1	WASHER, plain, SAE std., 3/4"
20	70639138	1	ANGLE, supporting, shifting lever shaft
21	70923470	1	CAPSCREW, 3/8" NC x 1-1/2"
	70927225	1	CAPSCREW, 3/8" NC x 1-5/8"
	70904206	1	LOCKWASHER, 3/8"
	70910287	1	LOCKWASHER, 3/8"
	70044973	1	WASHER, plain
22	70653727	1	HOUSING ASSY., shifting lever (Includes items 25 thru 27)
23	70927173	1	CAPSCREW, 3/8" NC x 1-1/8"
	70904206	1	LOCKWASHER, 3/8"
24	70923470	3	CAPSCREW, 3/8" NC x 1-1/2"
	70904206	2	LOCKWASHER, 3/8"
	70044973	2	WASHER, plain
	70677006	1	WASHER, plain

(Continued)

FORWARD HIGH-LOW GEAR SHIFT (Continued)

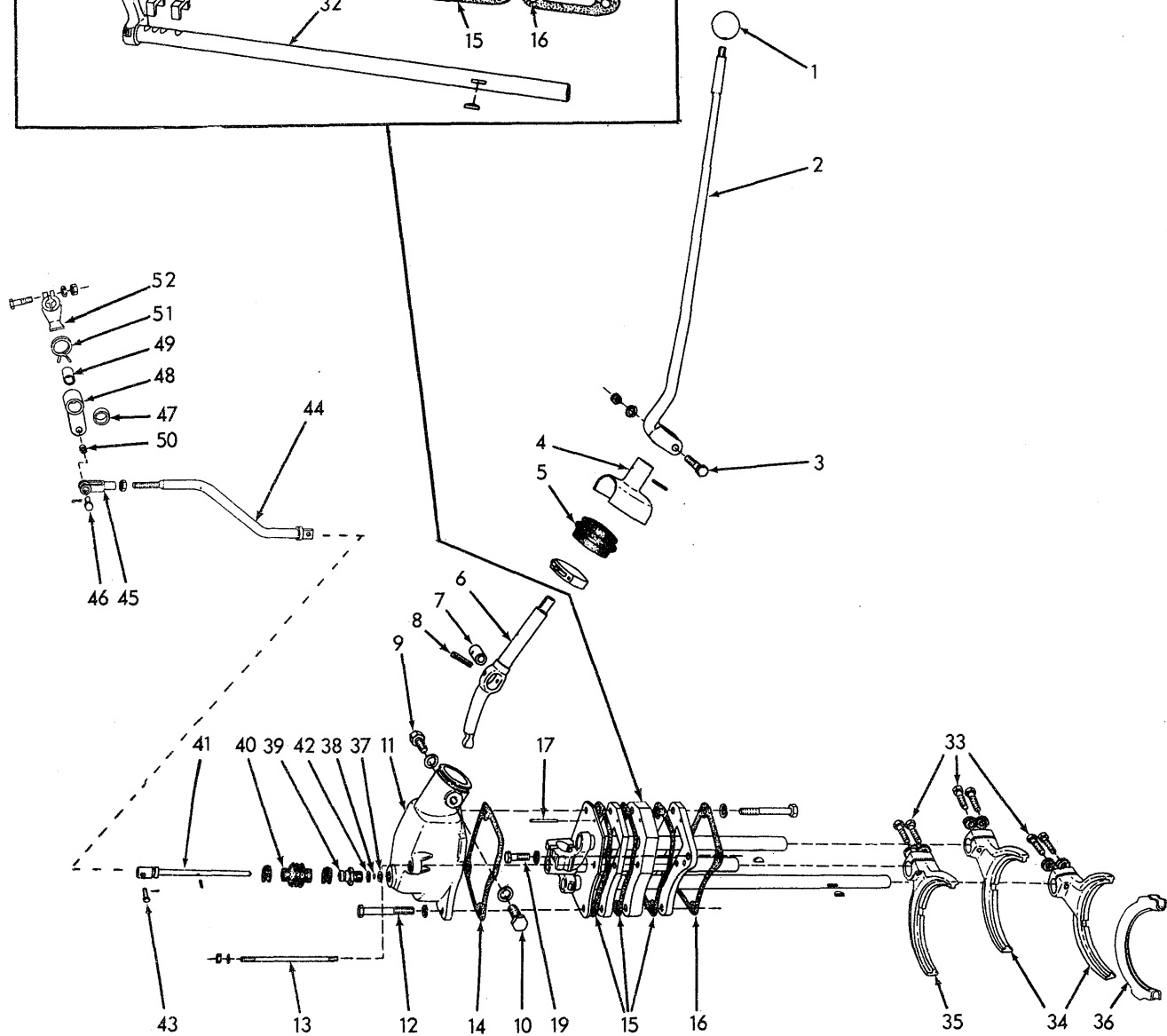
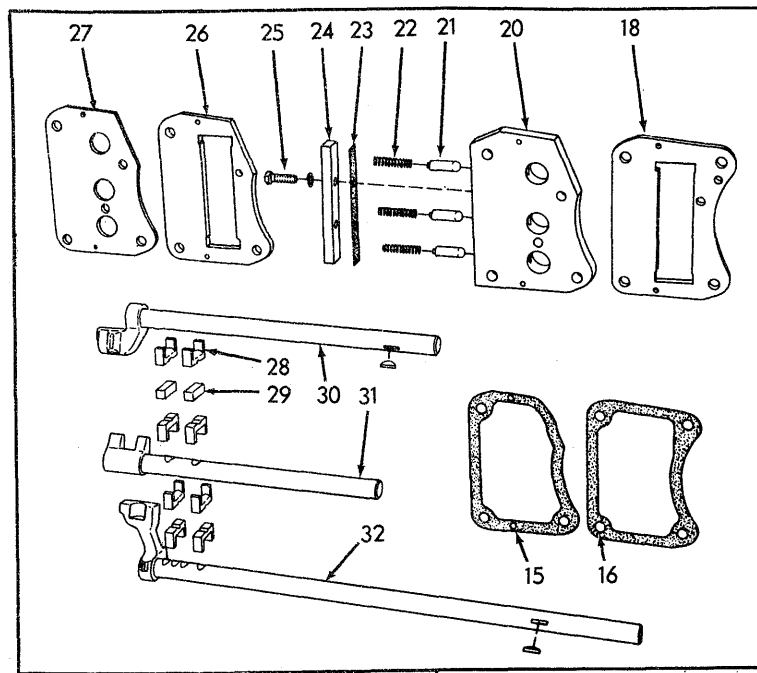
ITEM	PART NO.	QTY.	DESCRIPTION
25	70606009	1	BUSHING, shifting lever housing (outer)
26	70631476	1	BUSHING, shifting lever housing (inner)
27	70052662	1	SEAL, oil, shifting lever shaft
28	70057407	1	GASKET, shifting lever housing
29	70633207	1	LEVER, shifting
30	70679892	1	FORK, shifting (If first replacement prior to unit #11097, also order COLLAR 70679791)
31	70035018	2	CAPSCREW, 1/2"NF x 1-1/2"
	70928460	2	WASHER, plain
32	70679791	1	COLLAR, wear, shifting fork (If first replacement prior to unit #11097, also order COLLAR 70679892)
33	70643045	1	SHAFT, shifting fork
34	70069468	1	GASKET, interlock housing
35	70643046	1	HOUSING, gear shift interlock
36	70053616	2	CAPSCREW, 3/8"NC x 1-3/4"
	70904206	2	LOCKWASHER, 3/8"
37	70643040	1	PIN, interlock
38	70641356	1	PLUNGER, shaft locating
39	70096922	1	SPRING, shifting shaft interlock
40	70049918	1	WASHER, interlock spring capscrew (copper)
41	70035159	1	CAPSCREW, interlock spring (5/8"NF x 1")
42	70050267	1	WASHER, plunger sleeve (copper)
43	70651580	1	SLEEVE, shifting lock plunger (If for first replacement on tractors prior to unit #12056 also order item 43A)
43A	70651725	1	SEAL, plunger sleeve (Effective tractors unit #12056)
44	70635082	1	BOOT, locking plunger
	70916897	2	CLAMP, hose, 1" diam.
45	70643044	1	PLUNGER, shifting lock
46	70085038	1	PIN, locking plunger
	70911115	4	WASHER, plain, SAE std., 3/8"
	70900942	1	PIN, cotter, 3/32" x 5/8"
47	70663920	1	OVERTRAVEL ASSY. (Consists of items 48 thru 52)
	70911048	2	NUT, jam, 3/8"NF
48	70663918	1	GUIDE, overtravel
49	70620266	1	BRACKET, overtravel (short)
50	70620267	1	BRACKET, overtravel (long)
51	70691437	1	SPRING, overtravel
52	70663917	1	ROD, overtravel
	70911048	1	NUT, jam, 3/8"NF

(Continued)

(Revised May 1975)

FORWARD HIGH-LOW GEAR SHIFT (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
53	0663913	1	YOKE, shift interlock
54	0675253	1	STUD, shift interlock
	0911048	2	NUT, jam, 3/8"NF
	0911115	1	WASHER, plain, SAE std., 3/8"
	0900942	1	PIN, cotter, 3/32" x 5/8"



SPEED SELECTION GEAR SHIFT

T-40498

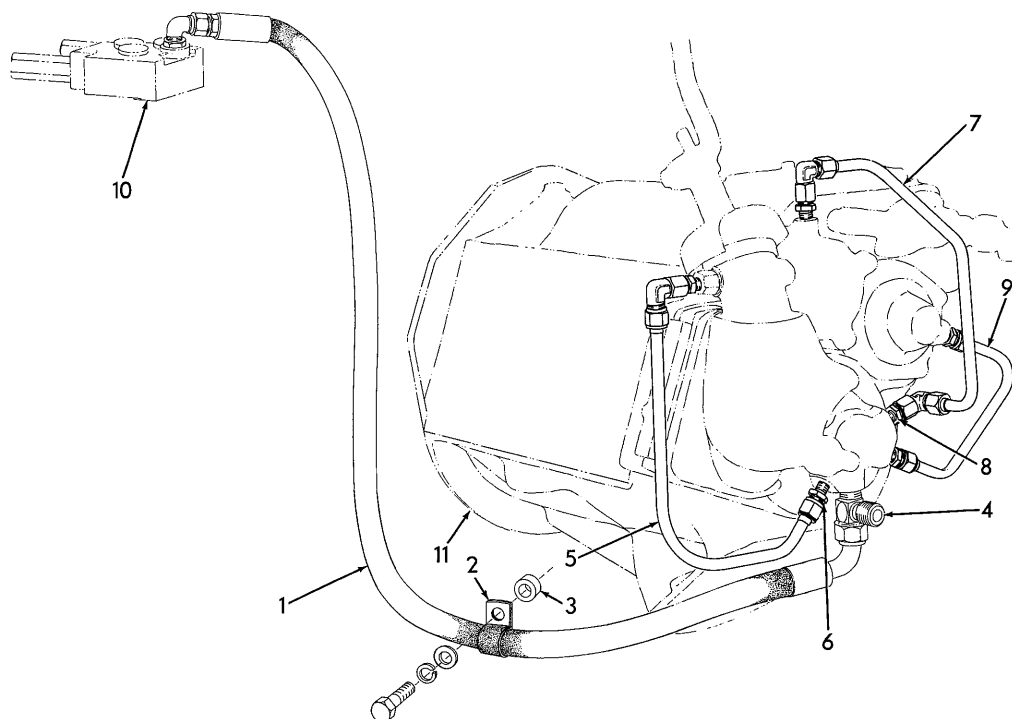
SPEED SELECTION GEAR SHIFT

ITEM	PART NO.	QTY.	DESCRIPTION
<u>NOTE:</u> See FLOOR for shift lever guide plate			
1	70091862	1	KNOB, extension lever
2	70632517	1	LEVER, extension
3	70035892	1	CAPSCREW, 1/2"NF x 2-1/2"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
4	70082067	1	GUARD, shift lever boot
	70915989	1	PIN, spring, 3/16" x 1-3/8"
5	70078742	1	BOOT, shift lever
	70916995	1	CLAMP, hose, 3"I. D.
6	70620284	1	LEVER, shift
7	70622080	1	SHAFT, shift lever pivot
8	70915500	1	PIN, spring, 3/8" x 1-3/4"
9	70620313	1	SCREW, shift lever pivot, right
	70904209	1	LOCKWASHER, 5/8"
10	70621330	1	SCREW, shift lever pivot, left
	70904209	1	LOCKWASHER, 5/8"
11	70620274	1	HOUSING, shift lever
	70921122	1	CAPSCREW, 1/2"NC x 4-3/4"
	70912441	3	LOCKWASHER, 1/2"
12	70045253	2	CAPSCREW, 1/2"NC x 3-3/4"
13	70621262	1	STUD, shift lever housing
	70911041	1	NUT, 3/8"NF
	70904206	1	LOCKWASHER, 3/8"
14	70085877	1	GASKET, shift lever housing
15	70620980	3	GASKET, shaft locking plate
16	70085878	1	GASKET, shaft rear locking plate
17	70620981	2	PIN, dowel, shaft locking plates
18	70623902	1	PLATE, shaft locking, rear
19	70035190	1	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	1	LOCKWASHER, 1/2"
20	70623903	1	PLATE, shifting shaft plunger
21	70641356	3	PLUNGER, shifting shaft
22	70096922	3	SPRING, shifting shaft interlock
23	70620974	1	GASKET, plunger retaining bar
24	70620982	1	BAR, plunger retaining
25	70013058	2	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	2	LOCKWASHER, 3/8"

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SPEED SELECTION GEAR SHIFT (Continued)

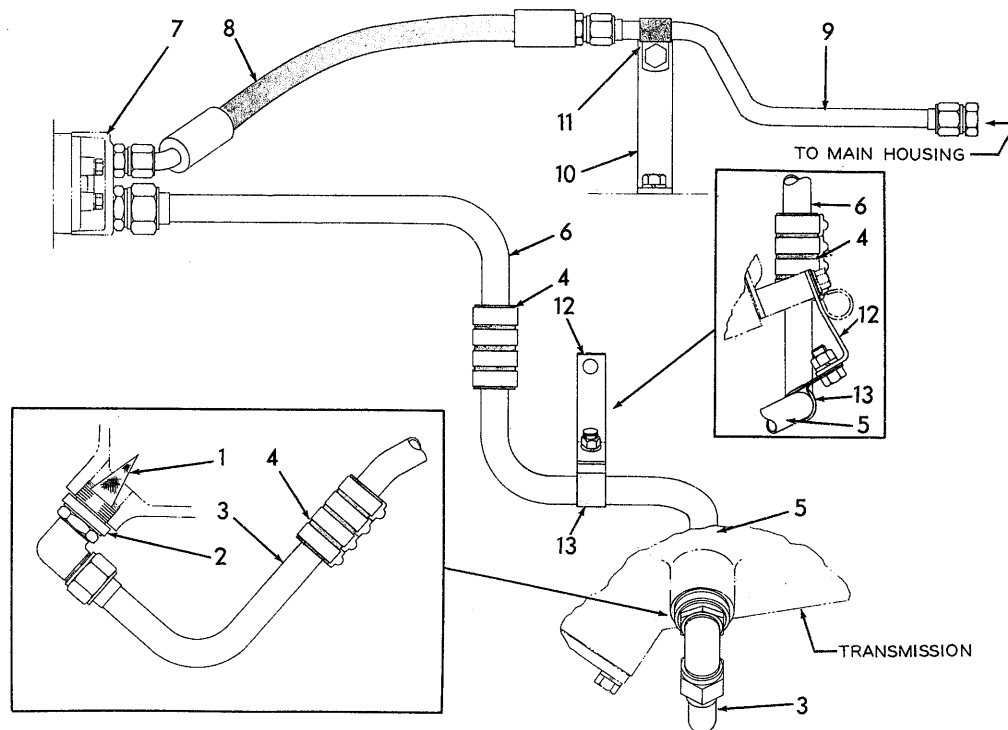
ITEM	PART NO.	QTY.	DESCRIPTION
26	70623904	1	PLATE, shaft locking, front
27	70623905	1	PLATE, shaft guiding
28	70638953	8	DETENT, shifting shaft interlock
29	70620964	2	BLOCK, spacing, interlock detent
30	70620957	1	SHAFT, shifting fork, upper
	70911233	1	KEY, #11 woodruff, 3/16" x 7/8"
31	70620961	1	SHAFT, shifting fork, center
32	70620959	1	SHAFT, shifting fork, lower
	70911233	1	KEY, #11 woodruff, 3/16" x 7/8"
33	70035018	6	CAPSCREW, shifting forks (1/2"NF x 1-1/2")
	70928460	6	WASHER, plain
34	70650743	2	FORK, center and rear
35	70650742	1	FORK, front
36	70667554	3	COLLAR, wear, shifting fork
37	70050267	1	WASHER, plunger sleeve (copper)
38	70078402	1	WASHER, shifting lock plunger
39	70651580	1	SLEEVE, shifting lock plunger
40	70635082	1	BOOT, locking plunger
	70916897	2	CLAMP, hose, 1" diam.
41	70644324	1	PLUNGER, shifting lock
	70916146	1	PIN, spring, 3/32" x 1/2"
42	70651725	1	SEAL, shifting lock plunger
43	70627451	1	PIN, shifting lock plunger
	70900942	1	PIN, cotter, 3/32" x 5/8"
44	70670618	1	ROD, plunger operating
	70911048	1	NUT, jam, 3/8"NF
45	70628736	1	YOKE, plunger operating rod
46	70078810	1	PIN, yoke end
	70900802	1	PIN, cotter, 3/32" x 1"
47	70679261	1	SPACER, lever
48	70670932	1	LEVER ASSY. (Includes items 49 and 50)
49	70035285	1	BUSHING, lever (large)
50	70624584	1	BUSHING, lever (small)
51	70670486	1	SPRING, lever retracting
52	70670620	1	LEVER, shifting yoke shaft
	70921556	1	CAPSCREW, 1/2"NC x 2"
	70912441	1	LOCKWASHER, 1/2"
	70911028	1	NUT, 1/2"NC



T-33455

TRANSMISSION OIL LINES

ITEM	PART NO.	QTY.	DESCRIPTION
1	70670637	1	HOSE, control valve to pinion shaft cover (See HOSE PARTS)
	70921402	1	ELBOW, adjustable, 90°, flare type, 1/2" tube, 3/4"NF male (Includes washer, nut and O-RING)
	70921349	1	O-RING, elbow
2	70622992	1	CLIP, hose supporting (7/8" diam., 17/32" bolt-hole)
	70922287	1	CAPSCREW 3/8"NC x 1-3/4"
	70910287	1	LOCKWASHER, 3/8"
	70911115	1	WASHER, plain, SAE, std, 3/8"
3	70638039	1	BLOCK, spacing
4	70680397	1	TEE, oil line plain
5	70623832	1	TUBE ASSY., pinion shaft cover to shift housing (Includes nuts)
	70921279	1	ELBOW, flare type, swivel nut, 1/2" tube
6	70623188	1	CONNECTOR, flare type, restricted, 1/2" tube, 1/4"NPT male
	70919205	1	CONNECTOR, flare type, 1/2" tube, 1/4"NPT male
7	70623706	1	TUBE ASSY., pinion shaft cover to top shaft (Includes nuts)
	70921279	2	ELBOW, flare type, swivel nut, 1/2" tube
8	70623188	1	CONNECTOR, flare type, restricted, 1/2" tube, 1/4"NPT male
	70919205	1	CONNECTOR, flare type, 1/2" tube, 1/4"NPT male
9	70623707	1	TUBE ASSY., pinion shaft cover to intermediate shaft (Includes nuts)
	70919205	2	CONNECTOR, flare type, 1/2" tube, 1/4"NPT male
10	-----	1	VALVE ASSY., control (See CONTROL VALVES)
11	-----	1	TRANSMISSION (See TRANSMISSION ASSY.)



TRANSMISSION SCAVENGING LINES

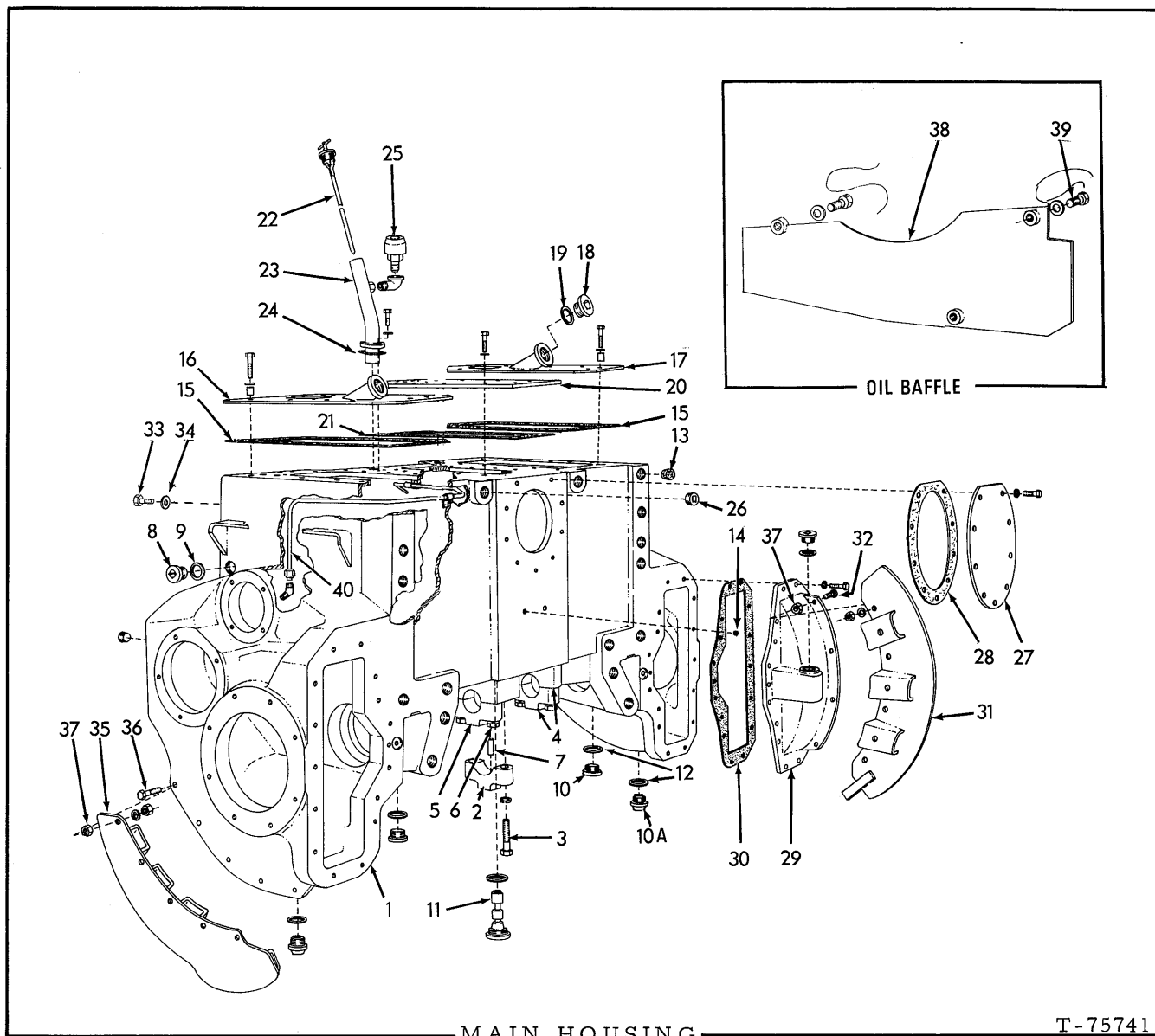
T-76414

ITEM	PART NO.	QTY.	DESCRIPTION
1	70675553	1	SCREEN, oil
2	70667252	1	GASKET, oil screen
3	70675551	1	TUBE ASSY., transmission to pump (lower)(Includes nut)
	70924026	1	ELBOW, adjustable, 90°, flare type, 1" tube, 1-1/16"NF male (Includes washer, nut and O-RING)
	70921206	1	O-RING, elbow
4	70647784	2	HOSE, suction line
	70921911	8	CLAMP, hose, 11/16" to 1-1/4" diam.
5	70675550	1	TUBE, transmission to pump (intermediate)
6	70675549	1	TUBE ASSY., transmission to pump (upper)(Includes nut)
	70923174	1	CONNECTOR, flare type, 1" tube, 1-1/16"NF male end (Includes O-RING)
	70921206	1	O-RING, connector
7	-----	1	PUMP ASSY. (See page 155)
8	70675546	1	HOSE, pump to main housing (See HOSE PARTS)
	70921326	1	CONNECTOR, flare type, 5/8" tube, 7/8"NF male end (Includes O-RING)
	70921205	1	O-RING, connector
9	70675547	1	TUBE ASSY., pump to main housing (Includes nuts)
	70921326	1	CONNECTOR, flare type, 5/8" tube, 7/8"NF male end (Includes O-RING)
	70921205	1	O-RING, connector

(Continued)

TRANSMISSION SCAVENGING LINES (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
10	70675548	1	ANGLE, tube supporting
	70927172	1	CAPSCREW, 1/2"NC x 1-1/8"
	70912441	1	LOCKWASHER, 1/2"
11	70927217	1	CLIP, tube supporting
	70921175	1	CAPSCREW, 1/2"NC x 1"
	70912441	1	LOCKWASHER, 1/2"
	70911028	1	NUT, 1/2"NC
12	70642533	1	ANGLE, tube supporting
13	70927264	1	CLIP, tube supporting
	70921175	1	CAPSCREW, 1/2"NC x 1"
	70912441	1	LOCKWASHER, 1/2"
	70911028	1	NUT, 1/2"NC



ITEM	PART NO.	QTY.	DESCRIPTION
1	0651910	1	HOUSING ASSY. (Includes items 2 thru 7)
	0904223	2	PLUG, pipe, ctsk-hd., 1/2"NPT
2	0664506	2	CAP, track frame pivot shaft, inner
3	0012762	4	CAPSCREW 7/8"NF x 3-1/4"
	0905347	4	LOCKWASHER, 7/8"
4	0096212	2	CAP ASSY., track frame pivot shaft, outer (Includes items 5 and 6; also upper block which requires welding to housing)
5	0059783	2	CAP, track frame pivot shaft
6	0012762	4	CAPSCREW, 7/8"NF x 3-1/4"
	0905347	4	LOCKWASHER, 7/8"
7	0664270	2	PIN, dowel, pivot shaft inner cap
8	0050594	2	PLUG, brake pin access hole

(Continued)

MAIN HOUSING (Continued)

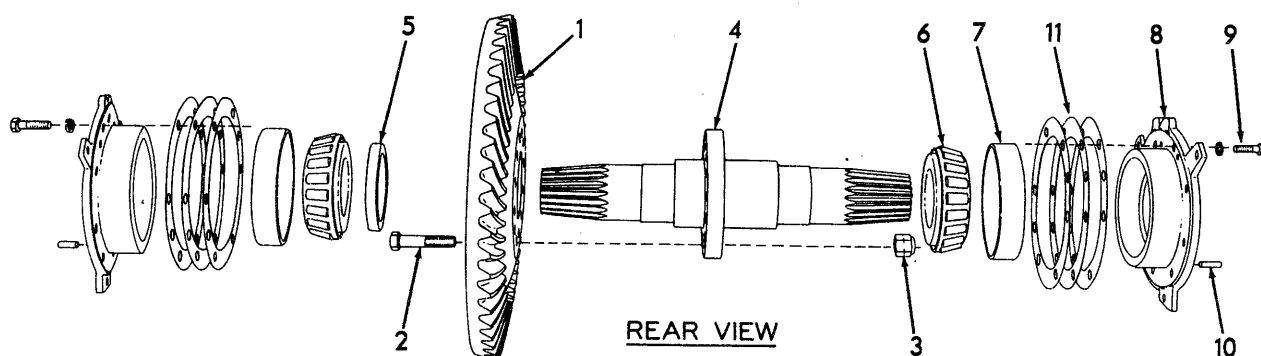
ITEM	PART NO.	QTY.	DESCRIPTION
9	70050595	2	GASKET, access hole plug
10	70035250	6	PLUG, filling and drain
10A	70696918	2	PLUG, drain, magnetic
11	70067543	1	PLUG, drain (magnetic)
12	70667252	7	GASKET, filling and drain plugs
13	70664852	8	CORK, thread protecting (1-1/4" diam.)
14	70664851	2	CORK, thread 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, plain
	70097413	10	BLOCK, steering clutch compartment
17	70666546	1	COVER, steering clutch compartment, right
	70927543	10	CAPSCREW, 1/2"NF x 2-1/4"
	70677008	10	WASHER, plain
	70097413	10	BLOCK, steering clutch compartment
18	70651978	2	PLUG, brake adjustment access hole
19	70623144	2	GASKET, access hole plug
20	70666816	1	COVER, bevel gear compartment, top
	70921570	12	CAPSCREW, 1/2"NF x 1-1/2"
	70677008	12	WASHER, plain
21	70666787	1	GASKET, top cover, bevel gear compartment
22	70667471	1	GAUGE, oil level, steering clutch housing (Tractors prior to unit #11598)
	70679850	1	GAUGE, oil level, steering clutch housing (Tractors unit #11598 and up)
23	70667462	1	TUBE, oil filler (Tractors prior to unit #11598)
	70679142	1	TUBE, oil filler (Tractors unit #11598 and up)
	70927173	2	CAPSCREW, 3/8"NC x 1-1/8"
	70910287	2	LOCKWASHER, 3/8"
24	70655875	1	GASKET, oil filler tube
25	70679375	1	BREATHING ASSY., final drive (Serviced only as a unit)
	70919824	1	ELBOW, street, 90°, 3/4"NPT to 1/2"NPT
26	70052979	2	PLUG, thread protecting (socket-hd., 1-1/4"NF)
27	70052977	1	COVER, bevel gear compartment, rear
	70927205	9	CAPSCREW, Nylok, 5/8"NC x 1-1/4"
	70926196	9	WASHER
28	70052976	1	GASKET, rear bevel gear compartment cover
29	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"
30	70059315	2	GASKET, final drive compartment covers

(Continued)

(Revised July 1978)

MAIN HOUSING (Continued)

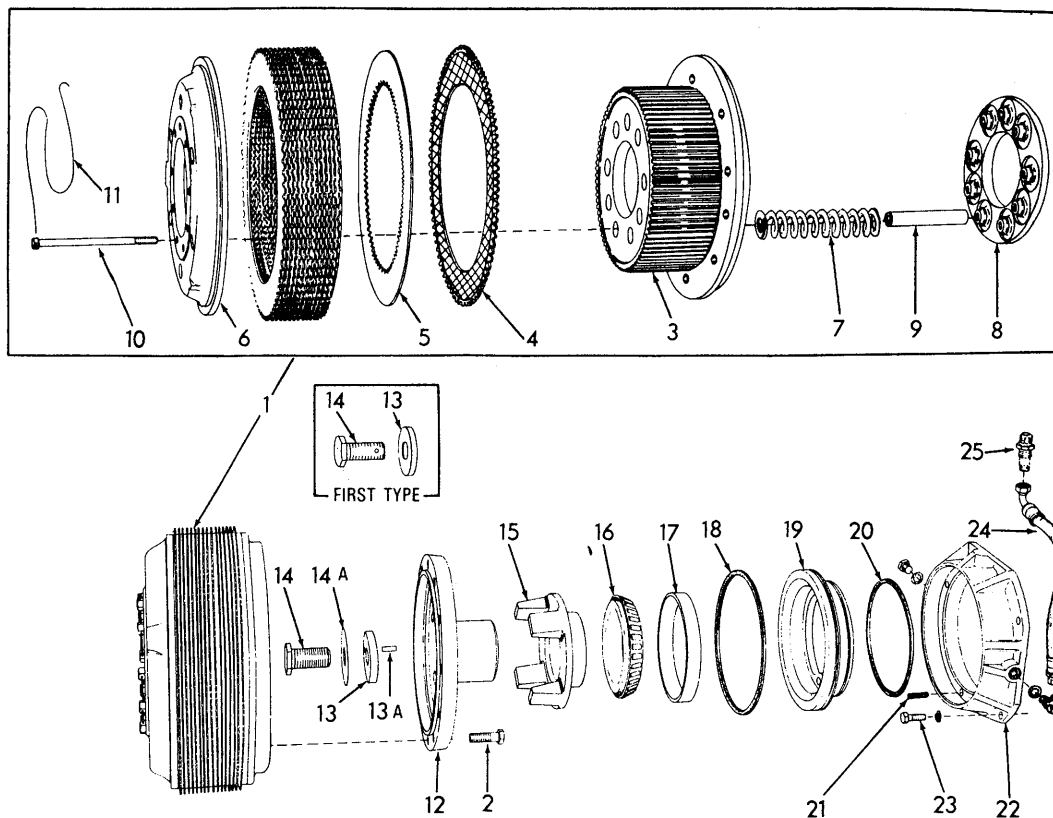
ITEM	PART NO.	QTY.	DESCRIPTION
<u>NOTE:</u> Items 31 thru 37 are special equipment			
31	70646091	1	GUARD, track sprocket, upper left
	70646092	1	GUARD, track sprocket, upper right
32	70924864	8	CAPSCREW, 1/2"NC x 2-1/4"
	70912441	8	LOCKWASHER, 1/2"
	70911028	8	NUT, 1/2"NC
33	70927219	4	CAPSCREW, hole plugging
34	70630951	4	WASHER, hole plugging capscrew
35	70646093	1	GUARD, track sprocket, lower left
	70646094	1	GUARD, track sprocket, lower right
36	70922526	10	CAPSCREW, 1/2"NC x 2-1/2"
	70912441	10	LOCKWASHER, 1/2"
	70911028	10	NUT, 1/2"NC
37	70664414	18	SPACER, track sprocket guard
38	70654940	1	BAFFLE, oil
39	70927482	3	CAPSCREW, drilled-hd., 3/8"NC x 2"
	70023633	1	WIRE, locking, 1/16" x 12"
	70037000	1	WIRE, locking, 1/16" x 6"
	70677006	3	WASHER, plain
40	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
	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"



BEVEL GEAR AND SHAFT

T-39417

ITEM	PART NO.	QTY.	DESCRIPTION
1	70662644	1	GEAR, bevel (50 teeth, right hand spiral)
2	70067680	12	CAPSCREW, 5/8"NF x 2-3/4"
3	70926712	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
11	70059026	12	SHIM, bearing adjustment (.005" thick. Use as required)
	70059025	10	SHIM, bearing adjustment (.007" thick. Use as required)
	70059024	10	SHIM, bearing adjustment (.010" thick. Use as required)



STEERING CLUTCHES

T33464

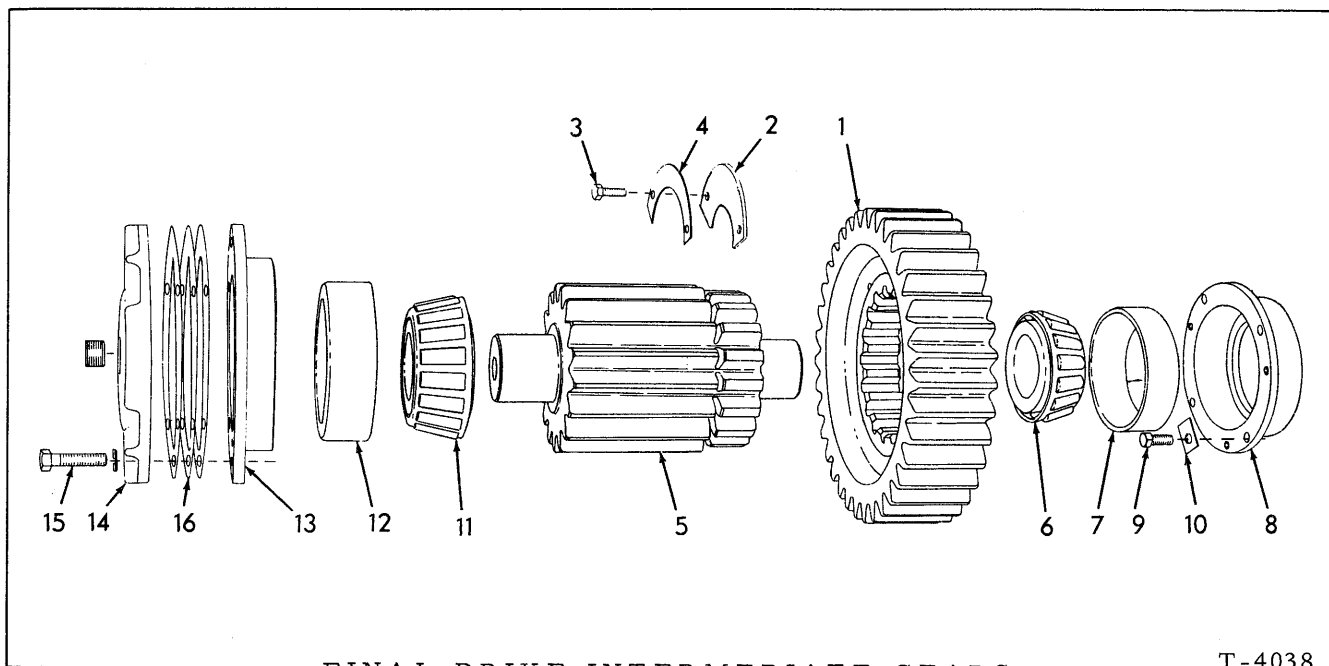
ITEM	PART NO.	QTY.	DESCRIPTION
1	70623927	2	CLUTCH ASSY. (Consists of items 3 thru 11)
2	70650813	20	BOLT, self-locking, 5/8"NC x 1-7/8"
3	70650622	2	HUB, steering clutch
4	70623877	30	DISC, friction (bimetallic)
5	70623876	32	DISC, friction (steel) (Use as required)
6	70059048	2	PLATE, pressure
7	70623878	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)

(Revised July 1976)

STEERING CLUTCHES (Continued)

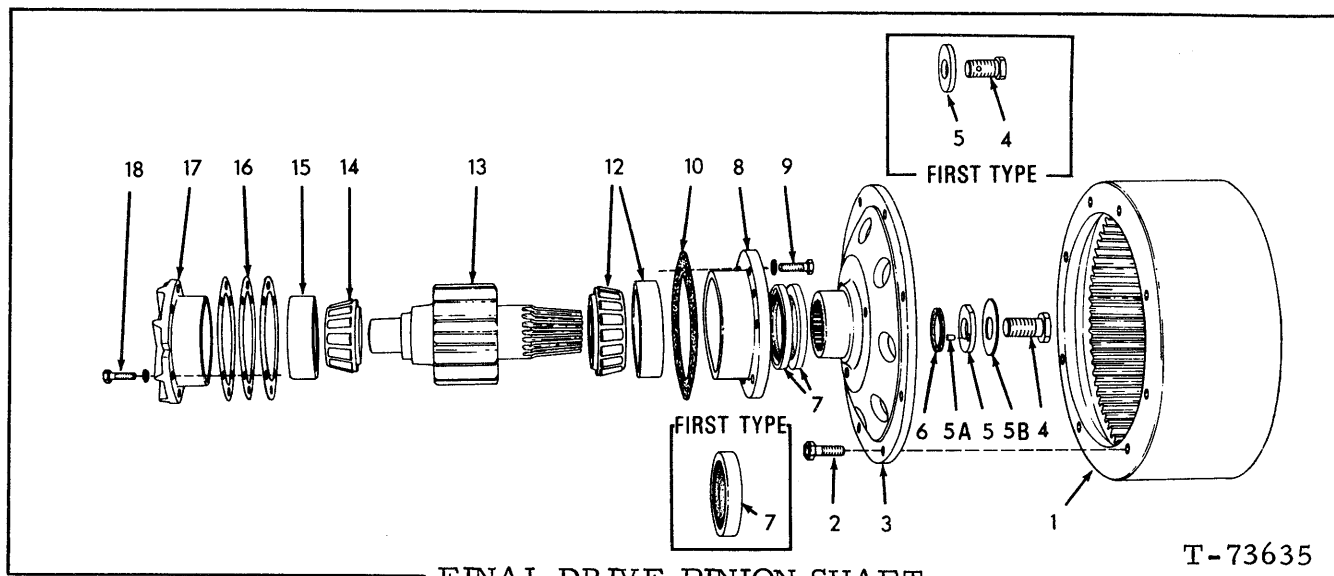
ITEM	PART NO.	QTY.	DESCRIPTION
13A	70035793	2	DOWEL, hub washer (Tractors unit #12686 and up)
14	70663117	2	CAPSCREW, hub retaining (self-locking) (Tractors prior to unit #12686)
	70684479	2	CAPSCREW, hub retaining (Tractors unit #12686 and up)
14A	70684480	2	LOCK, hub retaining capscREW (Tractors unit #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 (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

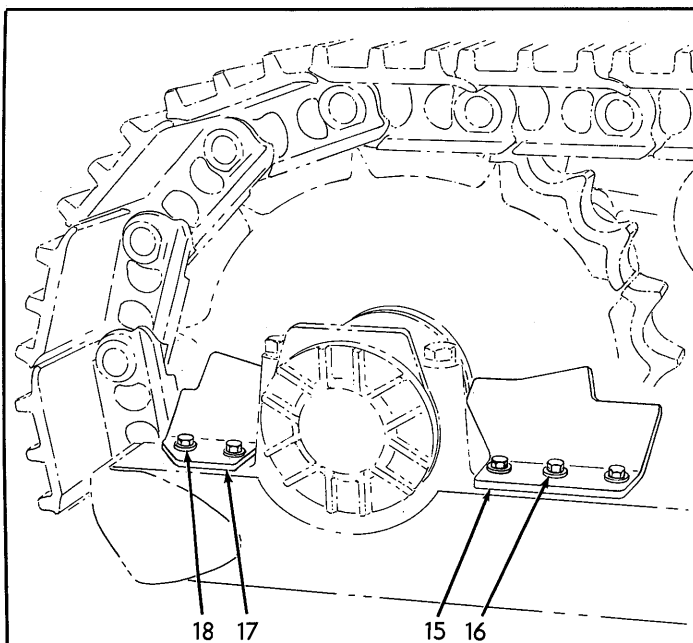
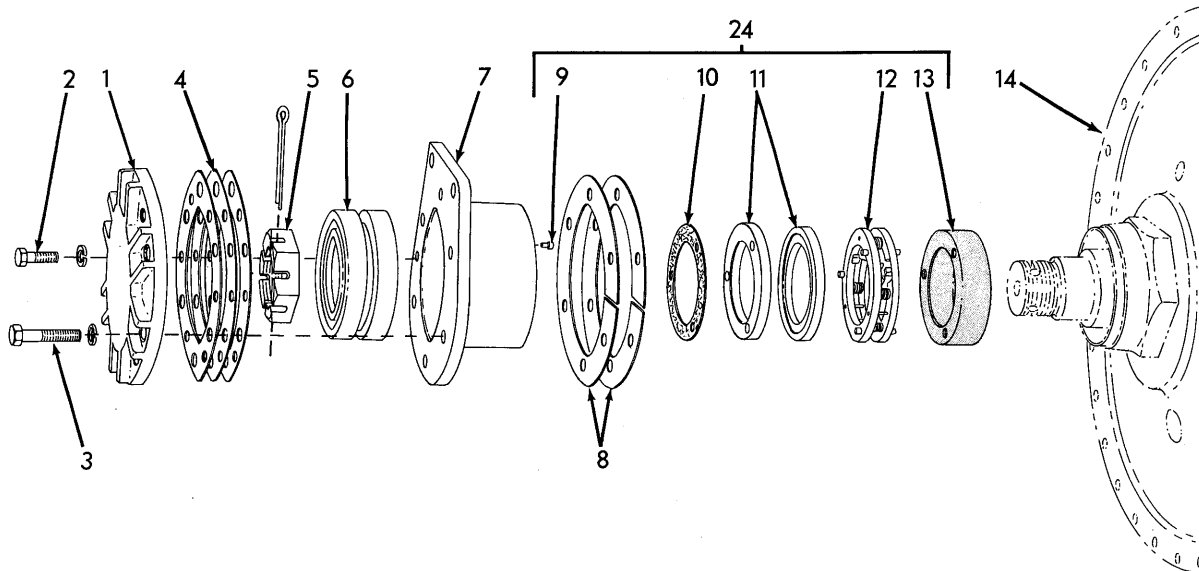
ITEM	PART NO.	QTY.	DESCRIPTION
1	70651892	2	GEAR (29 teeth)
2	70650477	4	LOCK, gear
3	70922763	8	CAPSCREW, 3/8"NC x 1"
4	70650476	4	LOCK, capscREW
5	70651903	2	PINION (13 teeth)
6	70052071	2	CONE ASSY., inner bearing
7	70052070	2	CUP, inner bearing
8	73111238	2	CAGE, inner bearing cup
9	70922763	8	CAPSCREW, 3/8"NC x 1"
10	70049936	8	LOCK, capscREW
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			



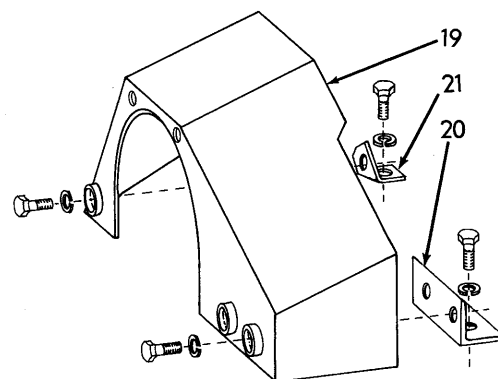
FINAL DRIVE PINION SHAFT

ITEM	PART NO.	QTY.	DESCRIPTION
1	70623928	2	DRUM, brake
2	70650811	16	BOLT, self-locking, 5/8"NC x 1-1/2"
3	70623781	2	HUB, brake drum
4	70663117	2	CAPSCREW, hub retaining (self-locking)(Tractors prior to unit #12686)
	70684479	2	CAPSCREW, hub retaining (Tractors unit #12686 and up)
5	70666547	2	WASHER, hub retaining (Tractors prior to unit #12686)
	70663245	2	WASHER, hub retaining (Includes item 5A)(Tractors unit #12686 and up)
5A	70035793	2	DOWEL, hub washer
5B	70684480	2	LOCK, hub retaining capscREW
6	70623786	2	SEAL, oil, pinion shaft (rubber)
7	70623784	2	SEAL, oil, brake drum hub (Tractors prior to unit #14039)
	70695217	4	SEAL, oil, brake drum hub (Tractor unit #14039 and up)
8	70623782	2	CAGE, inner bearing cup
9	70922726	12	CAPSCREW, 1/2" NF x 1-1/2"
	70912441	12	LOCKWASHER, 1/2"
10	70058875	2	GASKET, bearing cage
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 #12686 and up)
14	70643276	2	CONE ASSY., outer bearing
15	70643275	2	CUP, outer bearing
16	70058843	4	SHIM, bearing adjustment (.005" thick. Use as required)
	70058842	4	SHIM, bearing adjustment (.007" thick. Use as required)
	70058841	14	SHIM, bearing adjustment (.010" thick. Use as required)
17	70083792	2	CAGE, outer bearing cup
18	70922726	8	CAPSCREW, 1/2" NF x 1-1/2"
	70912441	8	LOCKWASHER, 1/2"

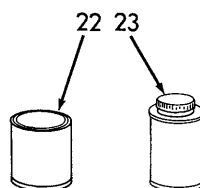
(Revised July 1978)



STANDARD SPROCKET GUARDS



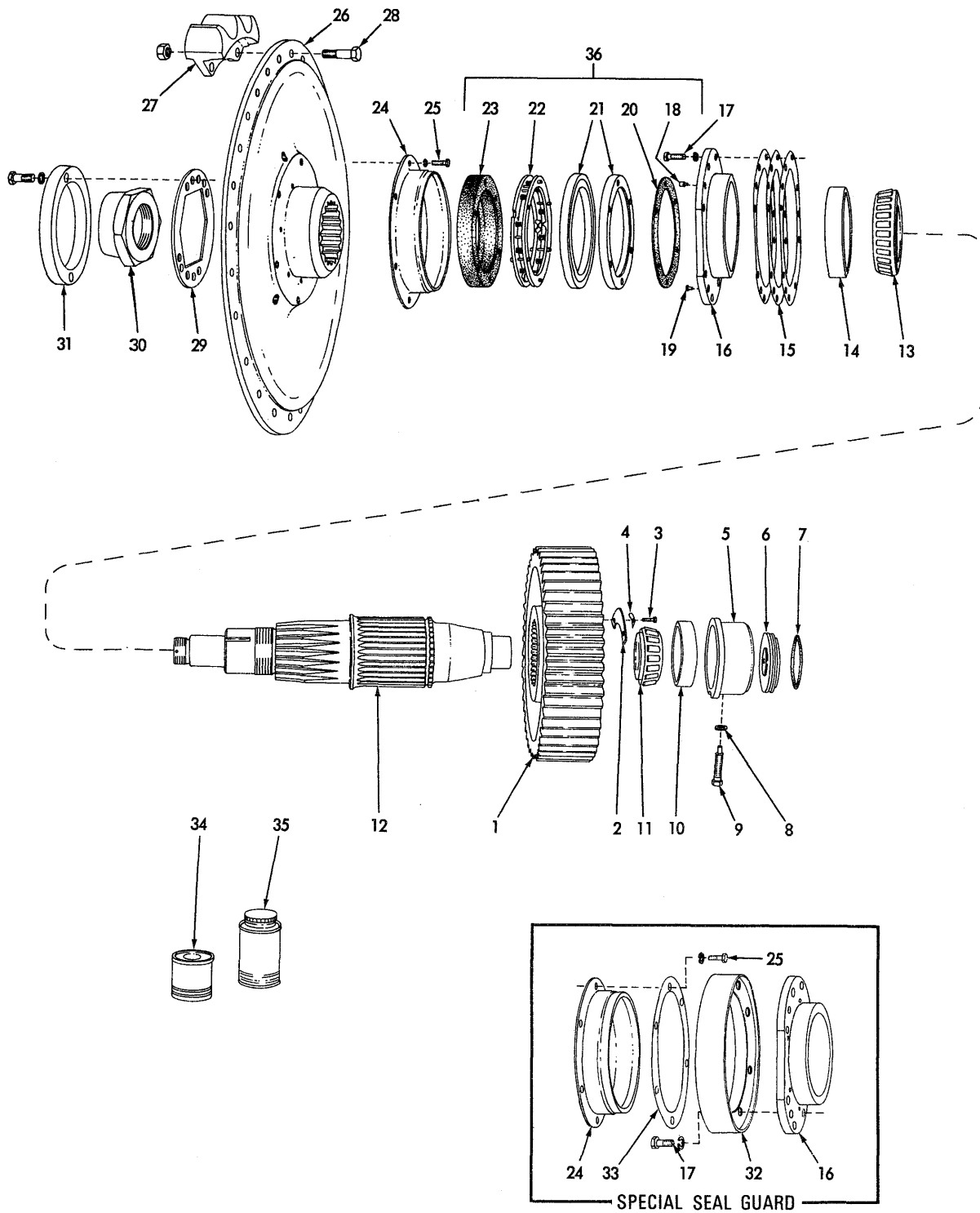
SPECIAL SERVICE SPROCKET GUARD



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	☐ PIN, locating, seal ring	
10	70082309	2	☐ GASKET, seal ring	
11	70082303	4	☐ RING, seal	
12	70082317	2	☐ FOLLOWER ASSY., seal (Serviced only as a unit)	
13	70082312	2	☐ 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



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
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	□PIN, locating, seal ring (9/16" long)
19	70080547	6	□PIN, locating, seal ring (13/32" long)
20	70082320	2	□GASKET, inner seal ring
21	70082322	4	□RING, inner seal
22	70669770	2	□FOLLOWER ASSY., inner seal (Serviced only as a unit)
23	70082323	2	□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 (Tractors unit #15194 and up)
28	70097324	54	BOLT, sprocket segment
	70012767	54	NUT, high, 3/4"NF
	70679522	54	BOLT, sprocket segment
	70679521	54	NUT, 3/4"NF

Tractors prior to unit #11515

Tractors unit #11515 and up.

□ Indicates component of item 36

(Continued)

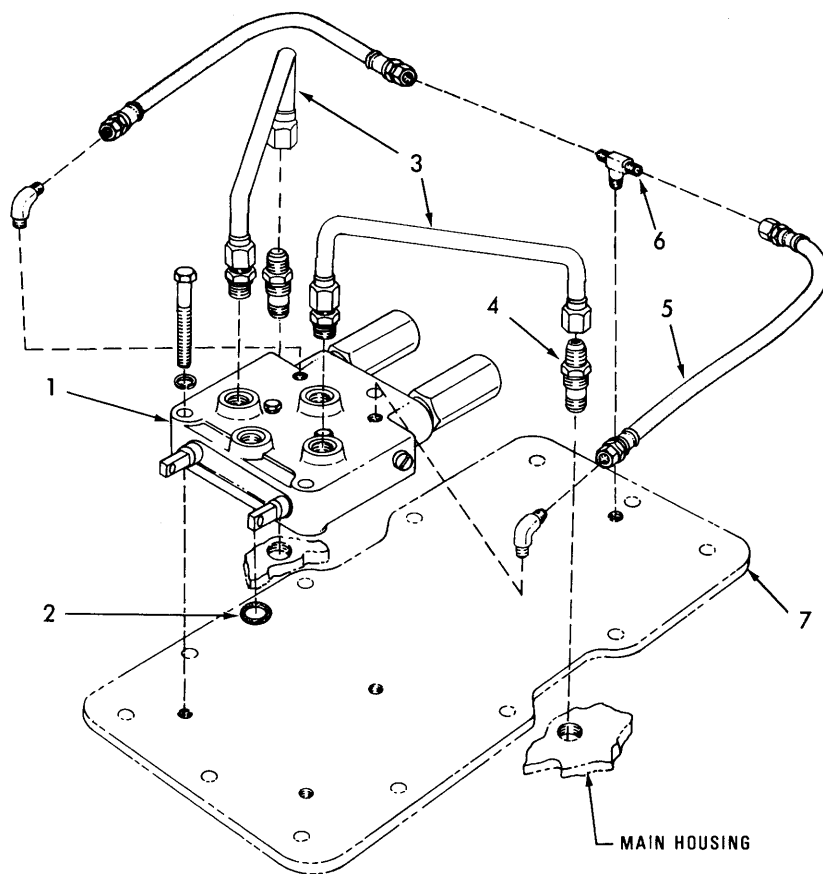
(Revised September 1980)

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; item 18 thru 23)

} Special

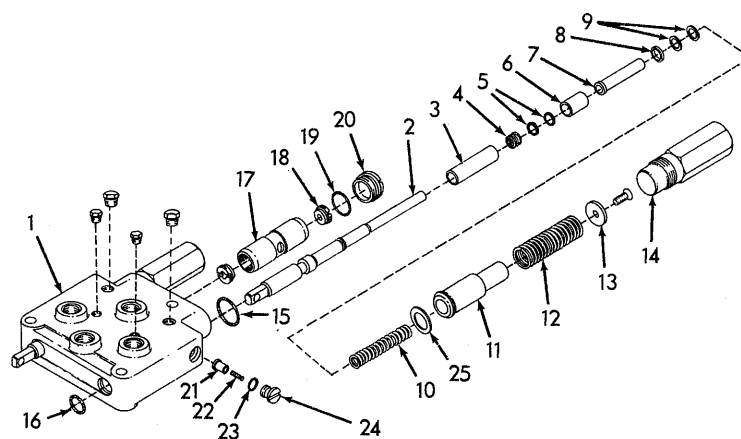
} For cementing
boots and gaskets



CONTROL VALVE LINES

T-73597

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	VALVE ASSY., control (See pages 148 and 150)
	0923687	3	CAPSCREW, 3/8"NF x 2-3/4"
	0910287	3	LOCKWASHER, 3/8"
2	0923947	1	O-RING, valve to compartment cover
3	0666804	2	TUBE ASSY., clutch control (Includes nuts)
	0921409	2	CONNECTOR, flare type, 1/2" tube, 3/4"NF male end (Includes O-RING)
	0921349	2	O-RING, connector
4	0669565	2	UNION, bulkhead
5	0646340	2	HOSE, oil return (See HOSE PARTS)
	0919546	2	ELBOW flare type, 90°, 1/4" tube 1/4"NPT male
6	0919773	1	TEE, oil return hose (flare type, 1/4" tube 1/8"NPT male side)
7	-----	-	COVER, bevel gear compartment (See MAIN HOUSING)



CONTROL VALVE ASSEMBLY

T-72413

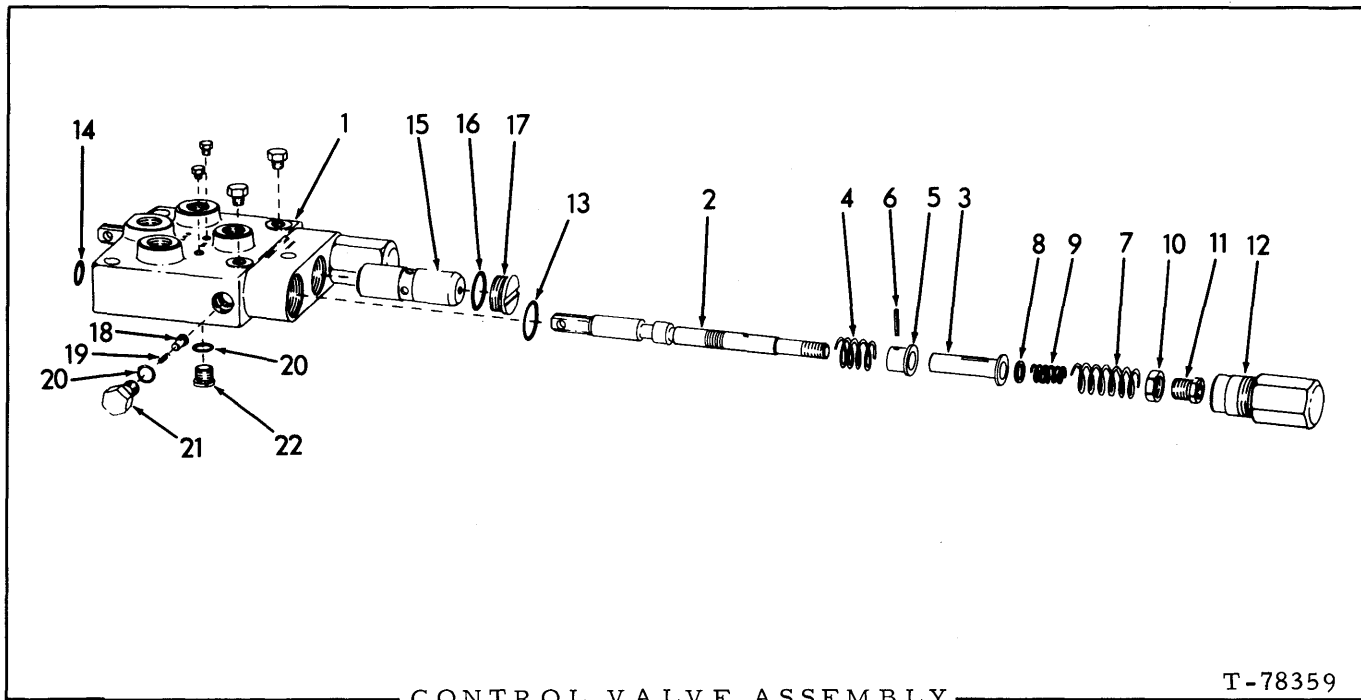
USAGE: See page 147. Tractor prior to serial No. 17A12587

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)

CONTROL VALVE ASSEMBLY (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
18	0660057	2	PLUG, orifice, flow divider plunger
19	0923988	1	O-RING, flow divider plug
20	0654523	1	PLUG ASSY., flow divider (Includes item 19)
21	0656190	2	PLUNGER, relief valve
22	0656192	2	SPRING, relief valve
23	0923663	2	O-RING, relief valve plug
24	0656191	2	PLUG ASSY., relief valve (Includes item 23)
25	0663123	-	SHIM, plunger clearance (Use as required)



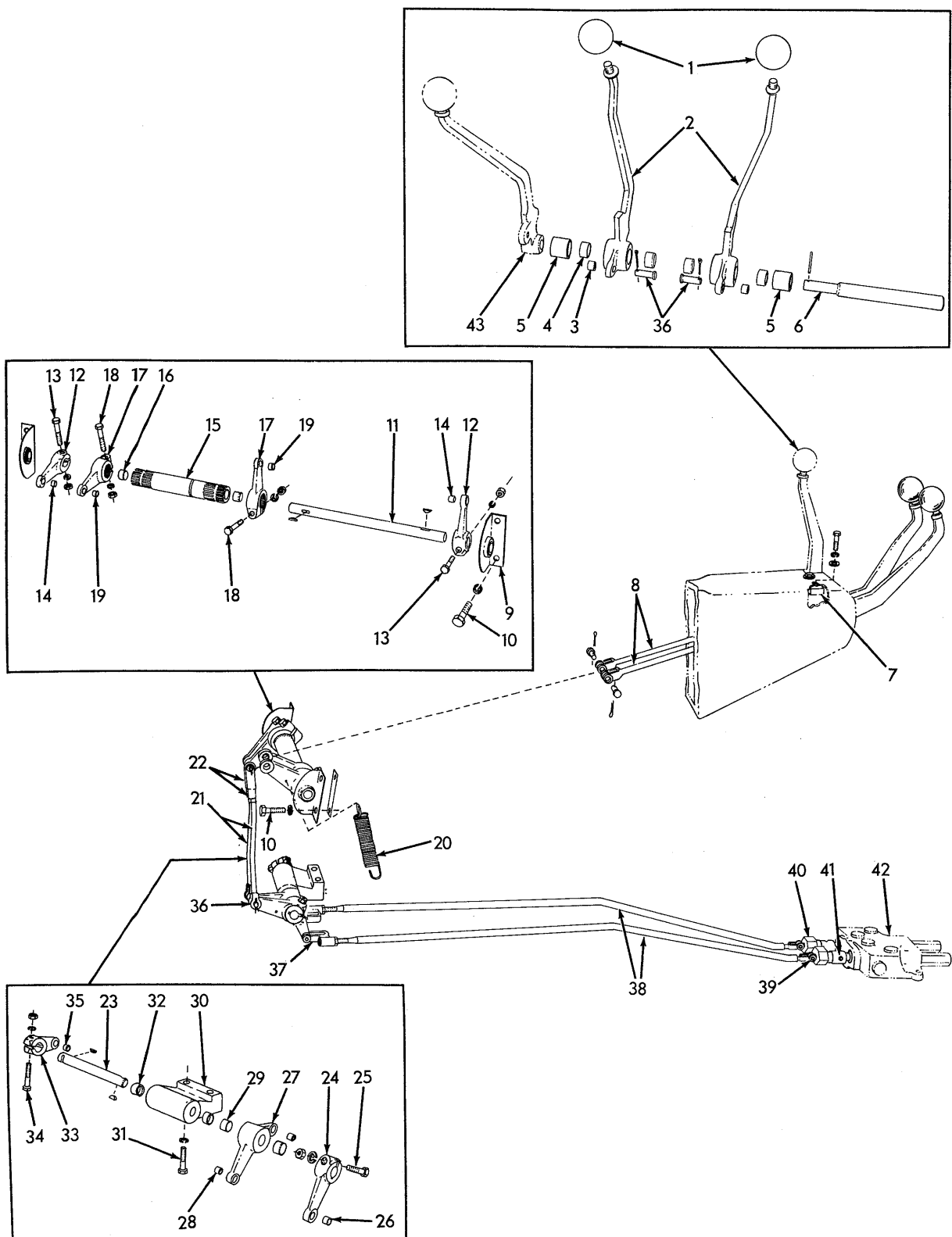
USAGE: See page 147. Tractor serial No.17A12587 and up

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)



STEERING LEVERS AND LINKAGE

T-75093

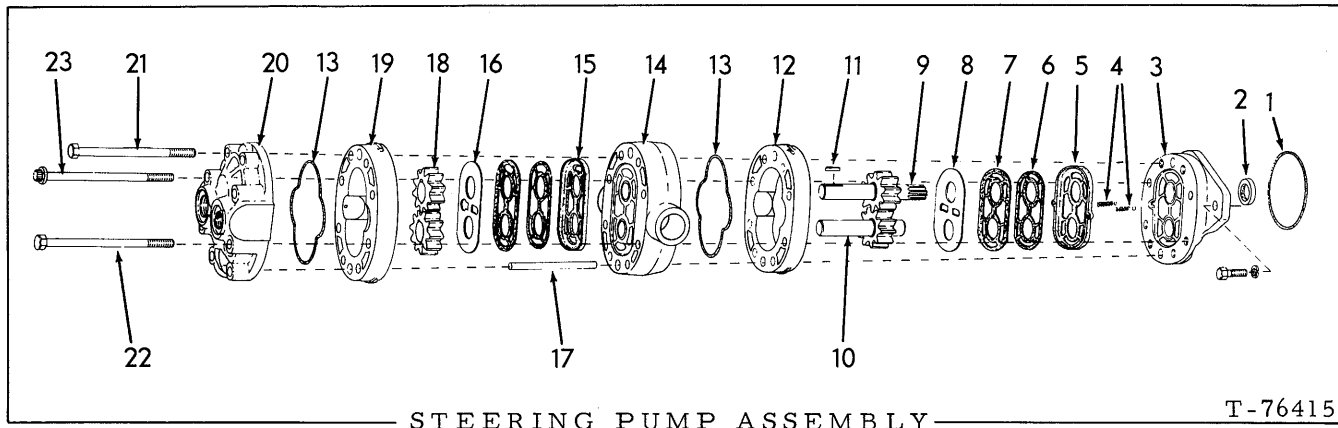
STEERING LEVERS AND LINKAGE

ITEM	PART NO.	QTY.	DESCRIPTION
1	0090020	2	KNOB, steering lever
2	0630847	1	LEVER ASSY., steering, left (Includes items 3 and 4)
	0630848	1	LEVER ASSY., steering, right (Includes items 3 and 4)
3	0624584	2	BUSHING, steering lever (small)
4	0630795	4	BUSHING, steering lever (large)
5	0075053	2	SPACER, steering levers
6	0666261	1	SHAFT, steering levers
	0915797	1	PIN, spring, 3/16" x 1-1/4"
7	0662487	1	BLOCK, lever stop
	0916271	2	CAPSCREW, 3/8"NC x 3/4"
	0910287	2	LOCKWASHER, 3/8"
	0911377	2	WASHER, plain
8	0666259	2	ROD, control, upper
9 10	0654656	2	BEARING ASSY., upper cross shaft (Includes bushing)
	0927211	4	CAPSCREW, 3/8"NF x 3/4"
	0910287	4	LOCKWASHER, 3/8"
11	0629717	1	SHAFT, cross, upper
	0905123	2	KEY, #9 woodruff, 3/16" x 3/4"
12 13	0630837	2	LEVER ASSY., upper cross shaft (Includes item 14)
	0920995	2	CAPSCREW, 3/8"NC x 2"
	0910287	2	LOCKWASHER, 3/8"
	0911026	2	NUT, 3/8"NC
14	0624584	2	BUSHING, upper cross shaft lever
15	0648956	1	TUBE ASSY., torque, upper cross shaft (Includes item 16)
16	0630795	2	BUSHING, torque tube
17 18	0630841	2	LEVER ASSY., torque tube (Includes item 19)
	0920995	2	CAPSCREW, 3/8"NC x 2"
	0910287	2	LOCKWASHER, 3/8"
	0911026	2	NUT, 3/8"NC
19	0624584	2	BUSHING, torque tube lever
20	0043881	2	SPRING, cross shaft lever
21	0666404	2	ROD, control, vertical
	0911041	2	NUT, 3/8"NF
22	0628736	2	YOKE, control rod (upper)
23	0629454	1	SHAFT, cross, lower
	0905123	2	KEY, #9 woodruff, 3/16" x 3/4"

(Continued)

STEERING LEVERS AND LINKAGE (Continued)

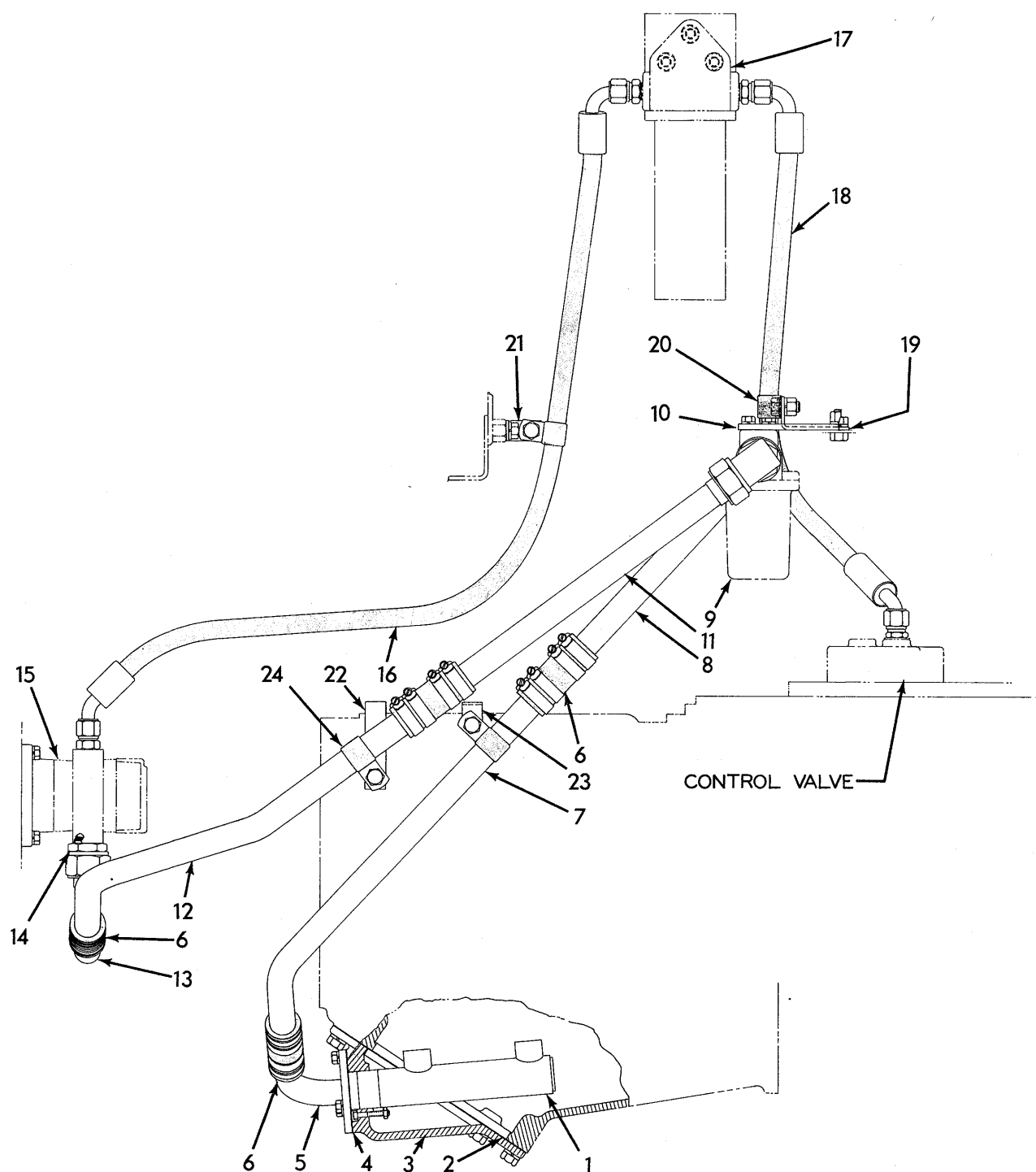
ITEM	PART NO.	QTY.	DESCRIPTION
24	0630837	1	LEVER ASSY., lower cross shaft, left (Includes item 26)
25	0920995	1	CAPSCREW, 3/8"NC x 2"
	0910287	1	LOCKWASHER, 3/8"
	0911026	1	NUT, 3/8"NC
26	0624584	1	BUSHING, lower cross shaft lever
27	0630852	1	BELLCRANK ASSY., lower cross shaft (Includes items 28 and 29)
28	0624584	2	BUSHING, lower cross shaft bellcrank (small)
29	0630795	2	BUSHING, lower cross shaft bellcrank (large)
30	0630850	1	BRACKET ASSY., lower cross shaft (Includes item 32)
31	0920583	2	CAPSCREW, 1/2"NC x 1-1/2"
	0912441	2	LOCKWASHER, 1/2"
32	0630795	2	BUSHING, lower cross shaft bracket
33	0630836	1	LEVER ASSY., lower cross shaft, right (Includes item 35)
34	0920995	1	CAPSCREW, 3/8"NC x 2"
	0910287	1	LOCKWASHER, 3/8"
	0911026	1	NUT, 3/8"NC
35	0624584	1	BUSHING, lower cross shaft lever
36	0078810	10	PIN, control linkage yokes
	0900801	10	PIN, cotter, 3/32" x 3/4"
37	0670615	2	YOKE, control rod (lower)
38	0670523	1	ROD, control, lower left
	0670524	1	ROD, control, lower right
	0911041	2	NUT, 3/8"NF
39	0627451	2	PIN, lower control rod
	0900801	2	PIN, cotter, 3/32" x 3/4"
40	0656151	2	OVER-TRAVEL ASSY. (Serviced only as a unit)
41	0630833	2	PIN, retaining, over-travel
	0900801	2	PIN, cotter, 3/32" x 3/4"
42	-----	1	VALVE, control (See CONTROL VALVE AND LINES)
43	-----	1	LEVER, throttle (See THROTTLE CONTROL)



USAGE: See pages 132 and 157

ITEM	PART NO.	QTY.	DESCRIPTION
-	70675545	1	PUMP ASSY (Includes items 2 thru 23)
	70921076	2	CAPSCREW, 3/8"NC x 1-1/4"
	70910287	2	LOCKWASHER, 3/8"
1	70923816	1	O-RING, pump mounting
2	70650677	1	SEAL, oil
3	70677550	1	PLATE ASSY., front (Includes bushings)
4	70650679	2	SPRING, check valve
	70915903	2	BALL, steel, 7/32" diam.
5	70650673	1	SEAL, front diaphragm
6	70650676	2	GASKET, diaphragm (thin)
7	70650675	2	GASKET, diaphragm (thick)
8	73108944	1	DIAPHRAGM, sealing, front
9	70677556	1	GEAR ASSY., drive (Includes shaft)
10	70669354	1	GEAR ASSY., idler (Includes shaft)
11	70677551	1	KEY, pump gear
12	70669346	1	BODY, front
13	70926216	2	O-RING, sealing
14	70682707	1	BODY, center (Includes bushings)
15	70650678	1	SEAL, rear diaphragm
16	73108944	1	DIAPHRAGM, sealing, rear
17	70650197	2	PIN, dowel (3-3/4" long)(First type) PIN (1-3/4" long) } Second type PIN (2" long)
	74905870	2	
	70930512	2	
18	73127595	2	GEAR, pump
19	70682708	1	BODY, rear
20	70677553	1	PLATE, rear
21	70927363	4	CAPSCREW, 5/16"NC x 4-3/4"
22	70924227	2	CAPSCREW, 5/16"NC x 5"
23	70924227	2	SCREW, 12 pt-hd., 5/16"NC x 5"

(Revised July 1981)



HYDRAULIC STEERING CONTROL

T-76416

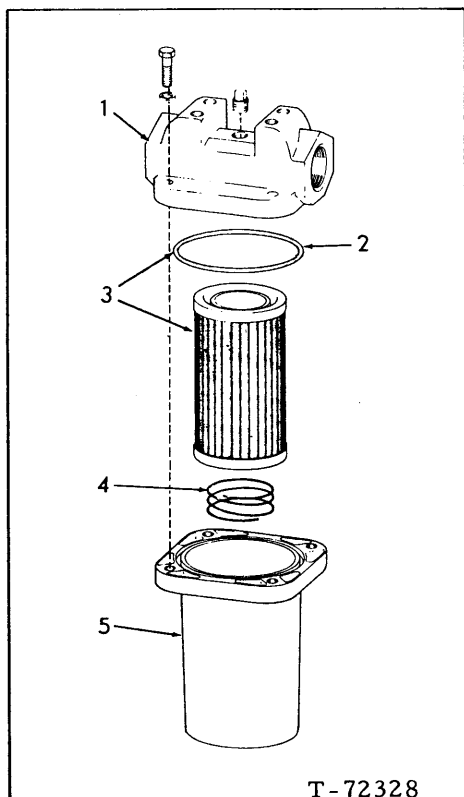
HYDRAULIC STEERING CONTROL

ITEM	PART NO.	QTY.	DESCRIPTION
1	70641754	1	PIPE, suction line
	70917463	1	CAPSCREW, socket-hd., 1/4"NC x 1-1/2"
2	70623617	1	GASKET, transmission sump cover
3	70641669	1	COVER, transmission sump
	70922508	9	CAPSCREW, nylok, 1/2"NC x 1-1/2"
	70912441	9	LOCKWASHER, 1/2"
4	70623616	1	GASKET, suction tube elbow
5	70666803	1	ELBOW, suction tube
	70927212	3	CAPSCREW, nylok, 3/8"NC x 1"
	70910287	3	LOCKWASHER, 3/8"
6	70630636	4	HOSE, suction line
	70921912	16	CLAMP, hose
7	70670796	1	TUBE, transmission, to strainer (lower)
8	70670531	1	TUBE ASSEMBLY, transmission to strainer (upper) (Includes nut)
	70922975	1	ELBOW, adjustable, 70°, flare type, 1-1/4" tube 1-5/16"male and (Includes washer, nut and O-RING)
	70921214	1	O-RING, elbow
9	-----	1	STRAINER ASSEMBLY (See page 158)
	70922763	4	CAPSCREW, 3/8"NC x 1"
	70910287	4	LOCKWASHER, 3/8"
10	70670518	1	PLATE, strainer mounting
	70927172	2	CAPSCREW, 1/2"NC x 1-1/8"
	70912441	2	LOCKWASHER, 1/2"
	70911028	2	NUT, 1/2"NC
11	70670530	1	TUBE ASSEMBLY, strainer to pump (upper)(Includes nuts)
	70922975	1	ELBOW, adjustable, 90°, flare type, 1-1/4" tube, 1-5/16"male end (Includes washer, nut, and O-RING)
	70921214	1	O-RING, elbow
12	70670534	1	TUBE, strainer to pump (intermediate)
13	70670532	1	TUBE ASSEMBLY, strainer to pump (lower)(Includes nut)
14	70671641	1	ADAPTER, tube
	70921206	1	O-RING, tube adapter
15	-----	1	PUMP ASSEMBLY (See page 155)
16	70670473	1	HOSE, pump to filter (See HOSE PARTS)
	70921030	1	CONNECTOR, flare type, 5/8"tube, 3/4"NPT
	70921326	1	CONNECTOR, flare type, 5/8"tube, 7/8"NF male (Includes O-RING)
	70921205	1	O-RING, connector
17	-----	1	FILTER ASSEMBLY (See page 159)
	70920582	3	CAPSCREW, 1/2"NC x 1-1/4"
	70912441	3	LOCKWASHER, 1/2"

(Continued)

HYDRAULIC STEERING CONTROL (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
18	70670474	1	HOSE, filter to valve (See HOSE PARTS)
	70921030	1	CONNECTOR, flare type, 5/8"tube, 3/4"NPT
	70923080	1	CONNECTOR, flare type, 5/8"tube, 3/4"NF male end (Includes o-RINGS)
	70921349	1	O-RING, connector
19	70670510	1	ANGLE, hose supporting
	70920582	1	CAPSCREW, 1/2"NC x 1-1/2"
	70912441	1	LOCKWASHER, 1/2"
20	70644713	2	CLIP, hose supporting
	70921175	2	CAPSCREW, 1/2"NC x 1"
	70912441	2	LOCKWASHER, 1/2"
	70911028	2	NUT, 1/2"NC
21	70670509	1	ANGLE, hose supporting
	70921175	1	CAPSCREW, 1/2"NC x 1"
	70912441	1	LOCKWASHER, 1/2"
22	70670512	1	ANGLE, tube supporting
23	70670513	1	ANGLE, tube supporting
24	70095869	2	CLIP, tube supporting
	70927172	2	CAPSCREW, 1/2"NC x 1-1/8"
	70064531	2	WASHER, plain
	70912441	2	LOCKWASHER, 1/2"
	70911028	2	NUT, 1/2"NC

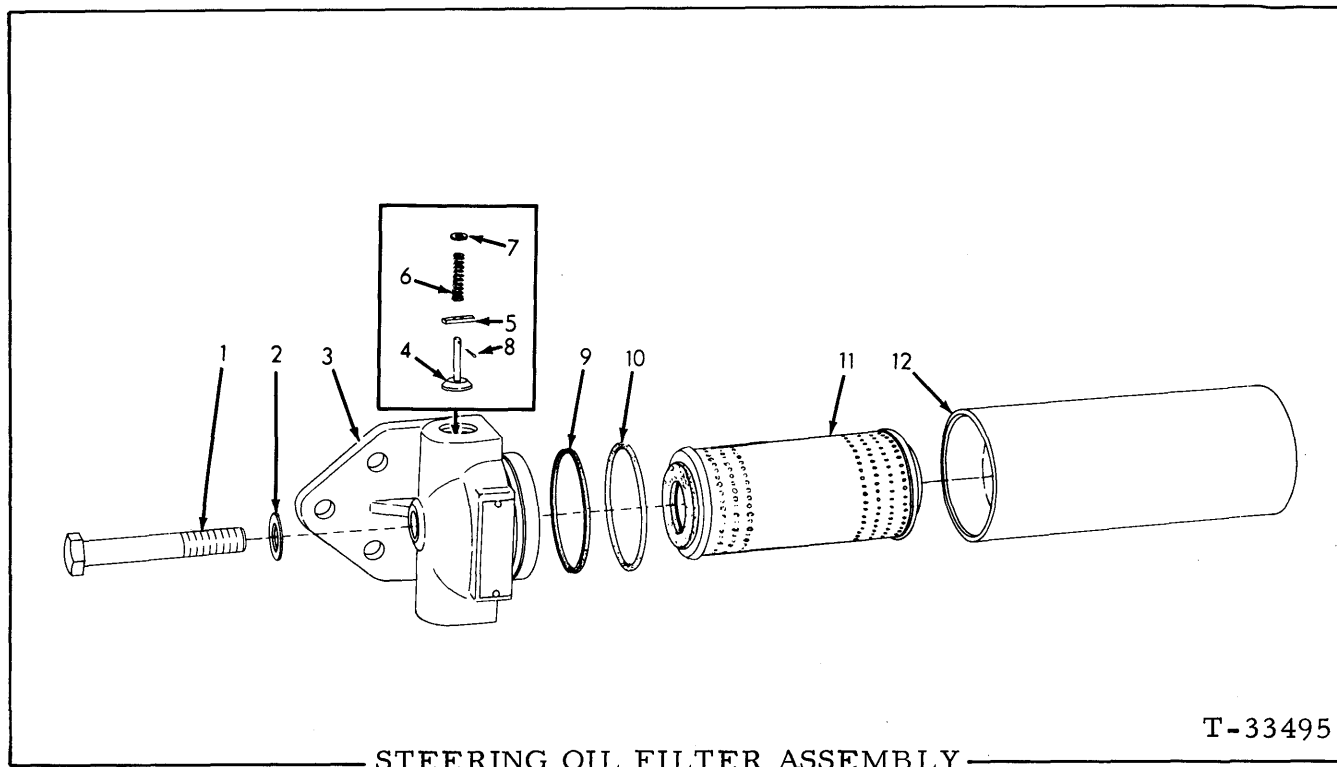


STEERING OIL STRAINER ASSEMBLY

USAGE: See page 157

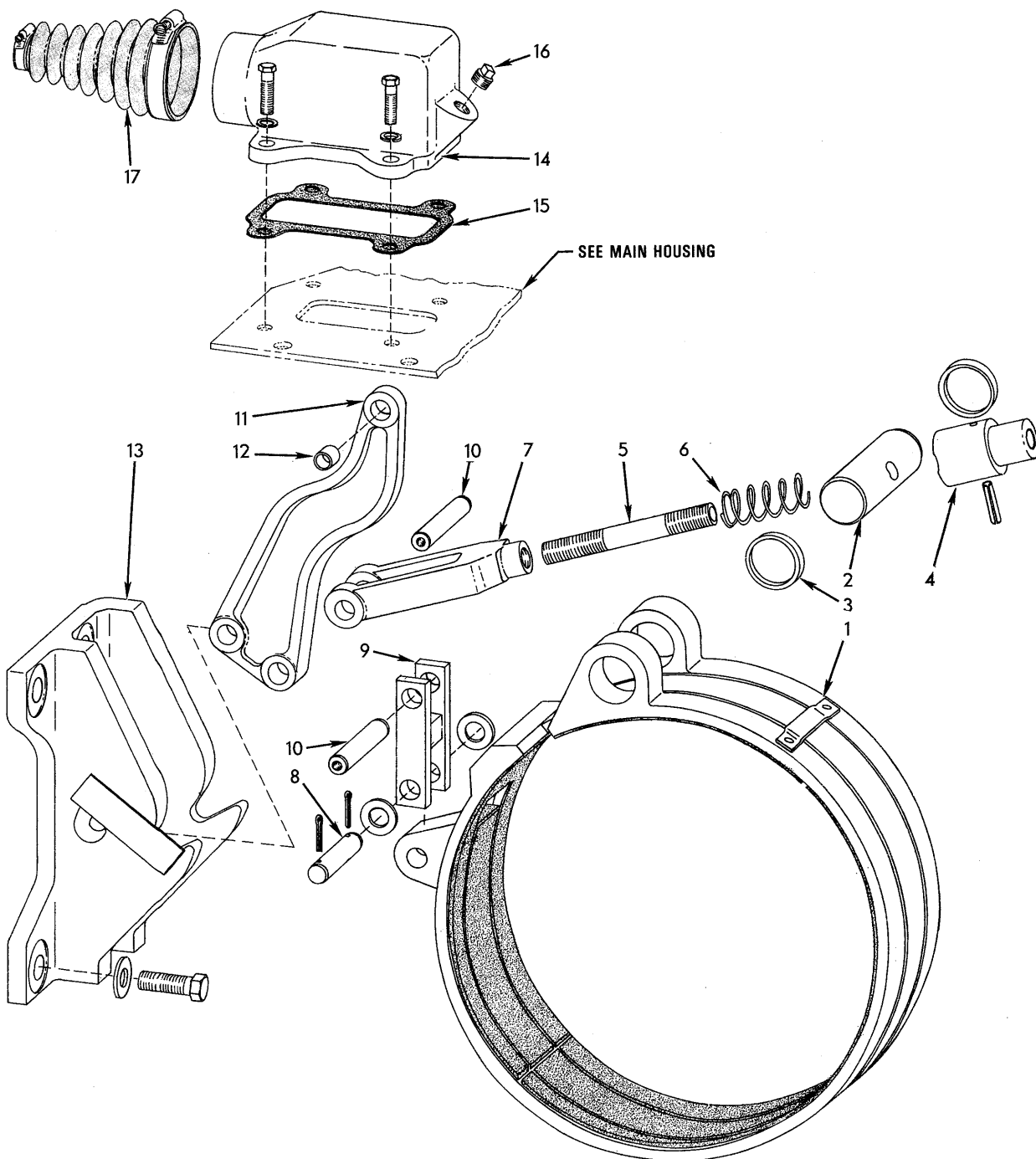
ITEM	PART NO.	QTY.	DESCRIPTION
-	70651388	1	STRAINER ASSY. (Consists of items 1 thru 5)
1	70651387	1	HEAD ASSY. (Includes PLUG indented below)
	70901651	1	PLUG, pipe, 1/8"NPT
	70927401	4	CAPSCREW, 1/4"NC x 1"
	70906958	4	LOCKWASHER, 1/4"
2	70651385	1	O-RING, body
3	70651506	1	ELEMENT KIT (Includes item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

(Revised April 1976)



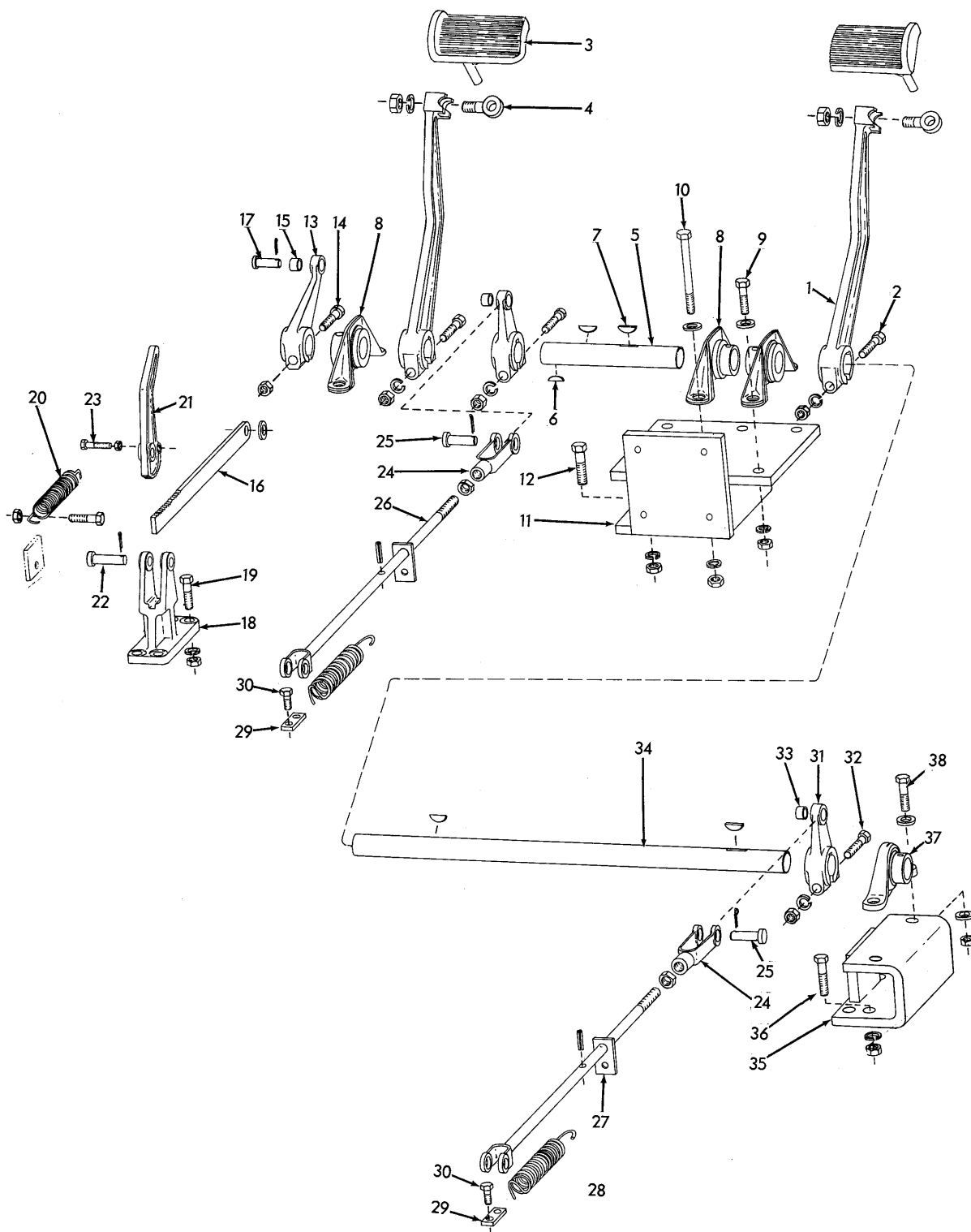
USAGE: See page 157

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	73119665	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	70694662	1	ELEMENT KIT (Includes items 2, 9 and 10)
12	70631872	1	TANK



BRAKES

ITEM	PART NO.	QTY.	DESCRIPTION
1	70696333	2	BAND, brake
2	70666391	2	PIN, brake band
3	70666540	4	SPACER, brake band pin
4	70666536	2	BLOCK, band adjusting
	70921272	2	PIN, spring, 3/16" x 1-3/4"
5	70669218	2	ROD, band adjusting
6	70628234	2	SPRING, band adjusting
7	70666426	2	YOKE, brake band
8	70666539	2	PIN, brake band yoke
	70900806	4	PIN, cotter, 1/8" x 1"
	70910255	4	WASHER, plain, SAE std., 3/4"
9	70673761	2	YOKE, brake band
10	70666538	4	PIN, brake lever
11	70664381	2	LEVER ASSY., brake band (Includes item 12)
12	70052669	2	BUSHING, brake band lever
13	70672995	1	BRACKET, brake band lever, left'
	70672996	1	BRACKET, brake band lever, right
	70927298	8	CAPSCREW, Nylok, 3/4"NF x 2"
	70929188	8	WASHER, plain
14	70648795	2	COVER, band linkage (First replacement on tractors unit #14053 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, band linkage cover
16	70901653	2	PLUG, pipe, 3/8"NPT
17	70648167	2	BOOT, brake rod
	70921914	2	CLAMP, hose, 2-5/16" to 3-1/4" diam.
	70921911	2	CLAMP, hose, 1 1/16" to 1-1/4"



BRAKE CONTROL

T-75819

BRAKE CONTROL

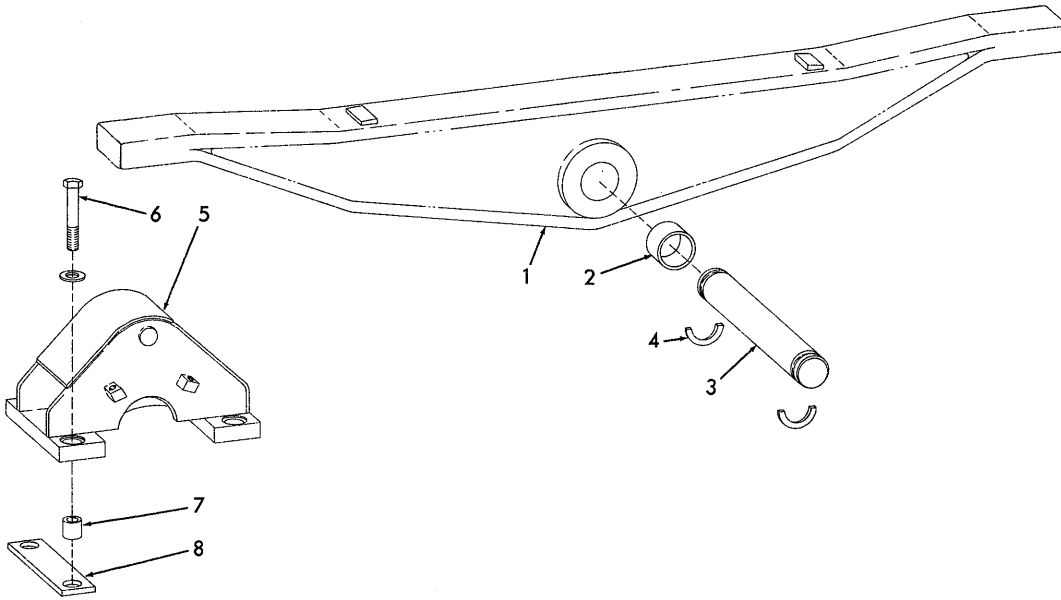
ITEM	PART NO.	QTY.	DESCRIPTION
1	70643032	2	LEVER, pedal
2	70922510	2	CAPSCREW, 1/2"NC x 2-3/4"
	70912441	2	LOCKWASHER, 1/2"
	70911028	2	NUT, 1/2"NC
3	70623151	2	PAD, pedal
4	70050433	2	EYE-BOLT, pedal pad
	70912942	2	LOCKWASHER, 5/8"
	70911044	2	NUT, 5/8"NF
5	70666534	1	SHAFT, left pedal
6	70052747	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	70628730	2	YOKE, brake rod

(Continued)

(Revised September 1979)

BRAKE CONTROL (Continued)

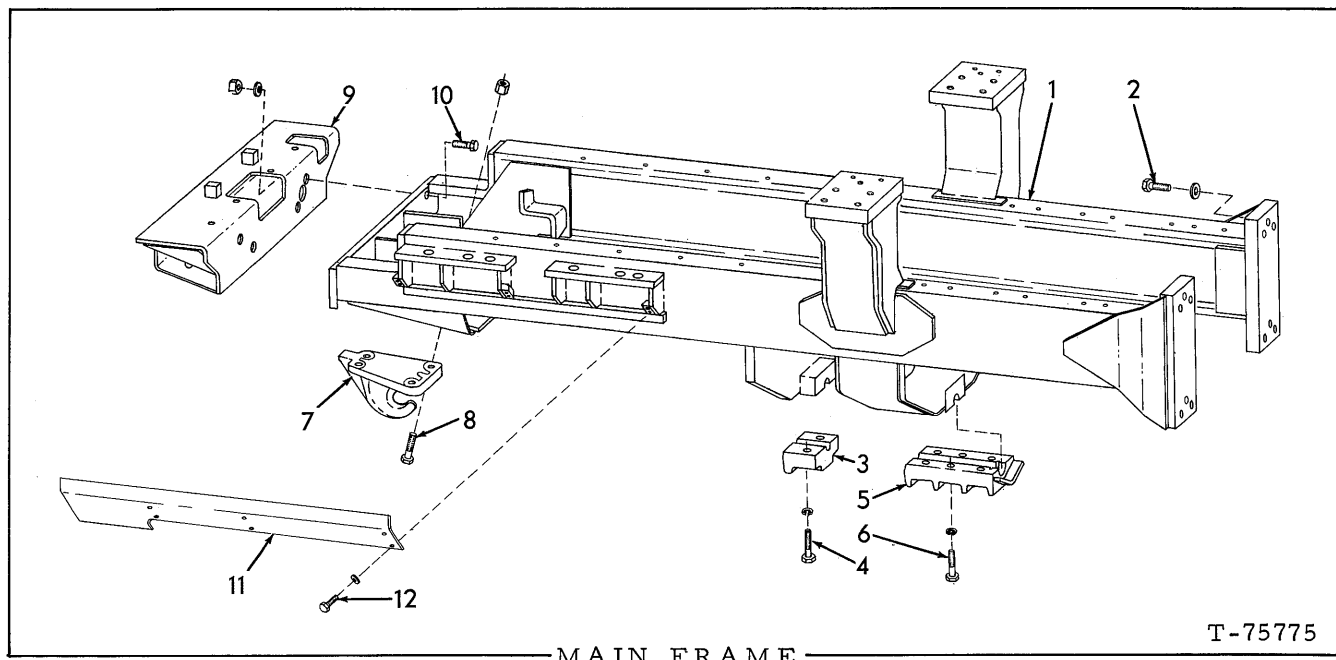
ITEM	PART NO.	QTY.	DESCRIPTION
25	70052671	4	PIN, brake rod
	70900806	4	PIN cotter, 1/8" x 1"
26	70677487	2	ROD, brake
	70911049	2	NUT, jam, 5/8"NF
	70916937	2	PIN, spring, 1/4" x 1-1/4"
27	70677482	2	PLATE, pedal retracting spring
28	70658737	2	SPRING, pedal retracting
29	70666485	2	STRIP, pedal retracting 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



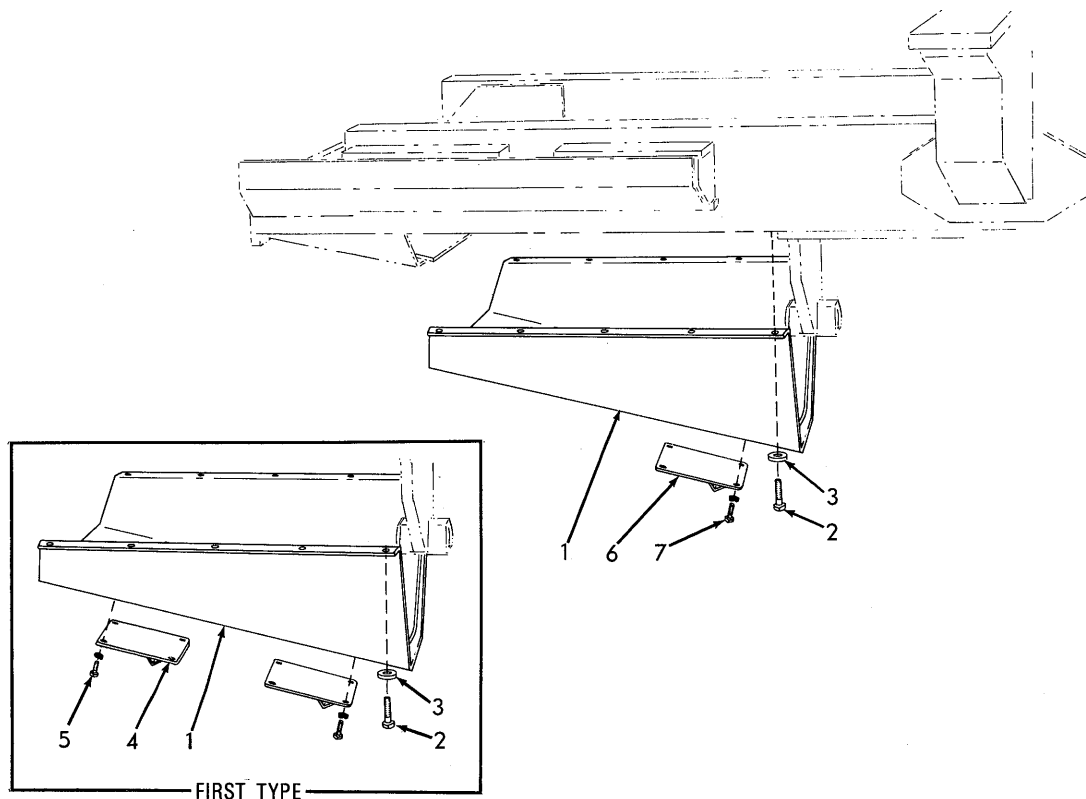
EQUALIZING BEAM

T-75743

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 #12652
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	

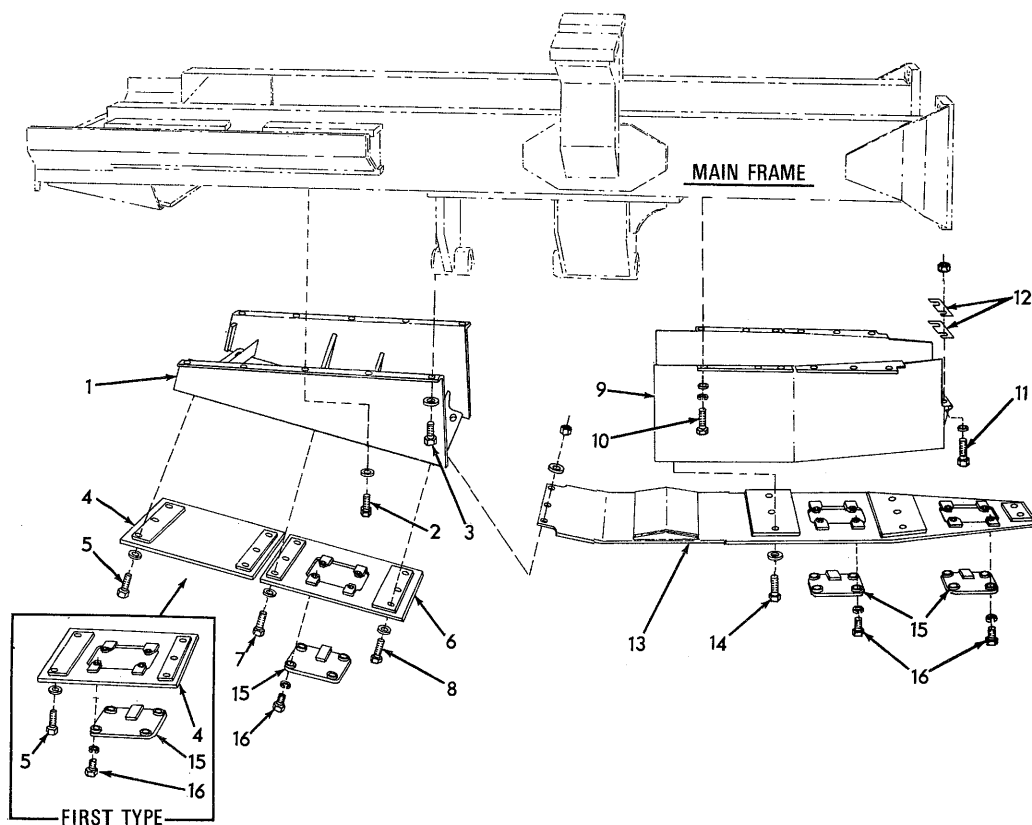


CRANKCASE GUARD

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	} Used prior to approx. November 12, 1973
5	70927353	8	CAPSCREW, 1/2"NF x 1-1/4"	
	70912441	8	LOCKWASHER, 1/2"	
6	70642743	1	PLATE, drain hole	} Effective approx. November 12, 1973
7	70927353	4	CAPSCREW, 1/2"NF x 1-1/4"	
	70912441	4	LOCKWASHER, 1/2"	



BOTTOM GUARDS

T-73640

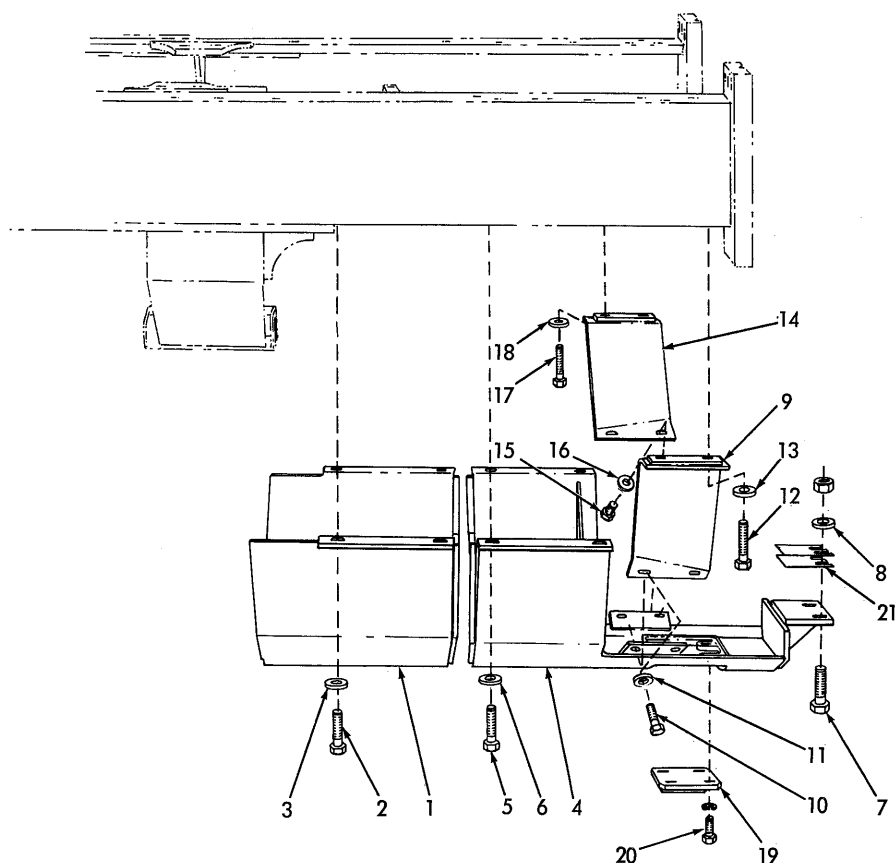
USAGE: Special equipment. For tractors engaged in logging operations

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) (Used prior to approximately January 18, 1974)
	70683833	1	PLATE ASSY., bottom, front section (Effective approximately 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)

BOTTOM GUARDS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
12	{ 70631959 70631960	3 2	SHIM, rear frame (1/16" thick) 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 January 18, 1974)
16	70916310	16	CAPSCREW, 1/2"NC x 1"
	70904208	16	LOCKWASHER, 1/2"



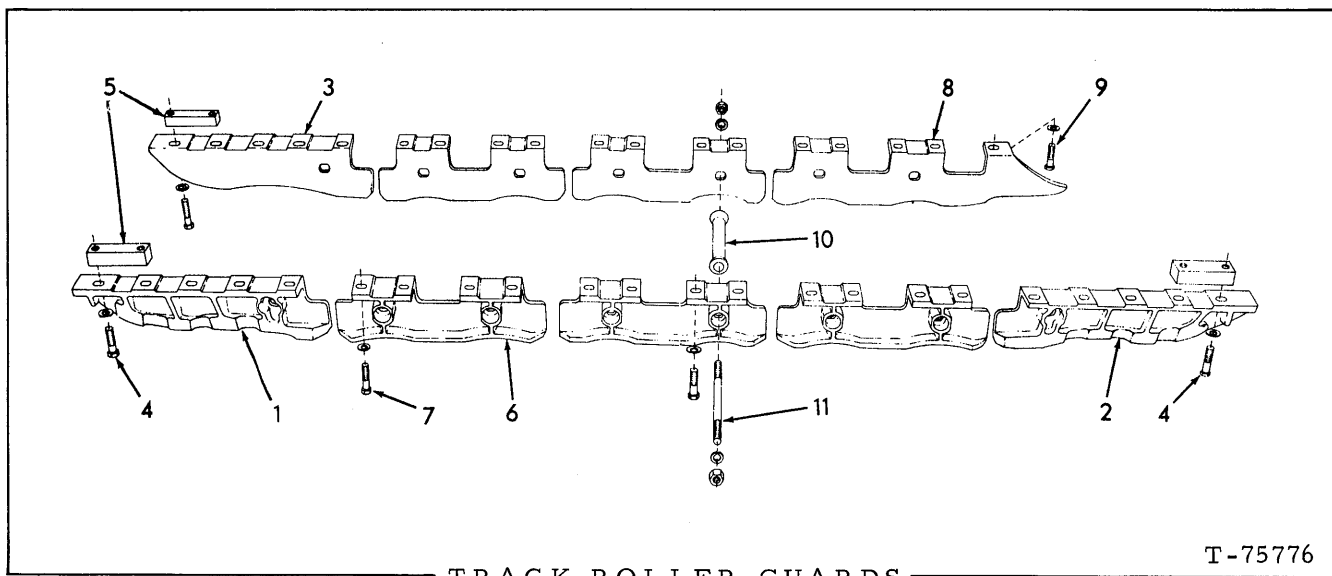
TRANSMISSION GUARDS

T-70534

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



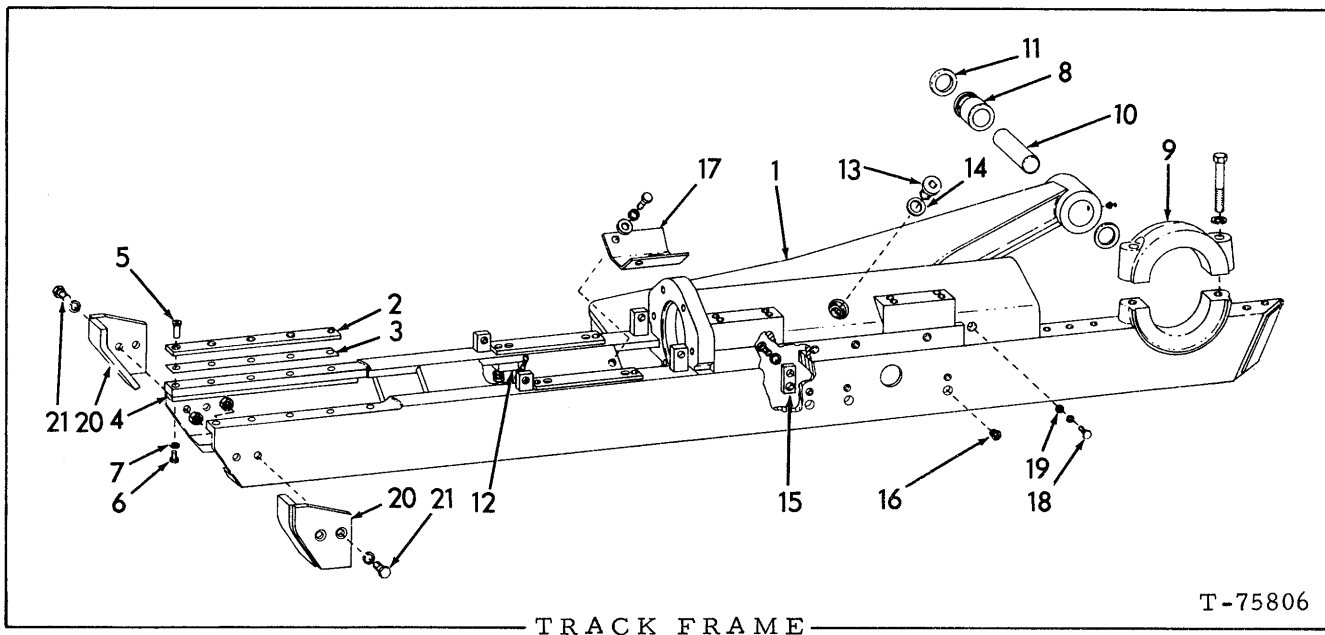
TRACK ROLLER GUARDS

T-75776

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



T-75806

TRACK FRAME

ITEM	PART NO.	QTY.	DESCRIPTION
1	70661627	1	FRAME ASSY., left (Tractors prior to unit #12132. Order 1 FRAME ASSY. 70678971 and 1 SERVICE KIT 70680119)
	70678971	1	FRAME ASSY., left (Tractors unit #12132 thru #13164)
	70690393	1	FRAME ASSY., left (Tractors unit #13165 and up)
	70661628	1	FRAME ASSY., right (Tractors prior to unit #12132. Order 1 FRAME ASSY. 70678972 and 1 SERVICE KIT 70680120)
	70678972	1	FRAME ASSY., right (Tractors unit #12132 thru #13164)
	70690394	1	FRAME ASSY., right (Tractors unit #13165 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, plain
8	70664512	2	BUSHING, pivot shaft (5-3/8" long)
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"

Use as required.
Tractors prior to unit #13814

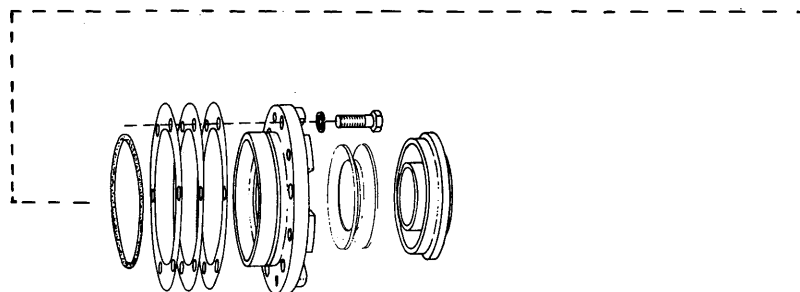
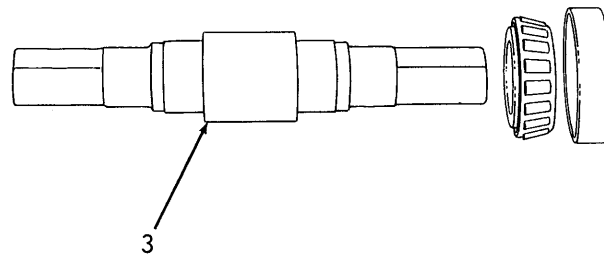
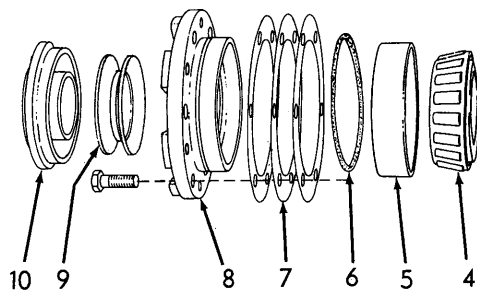
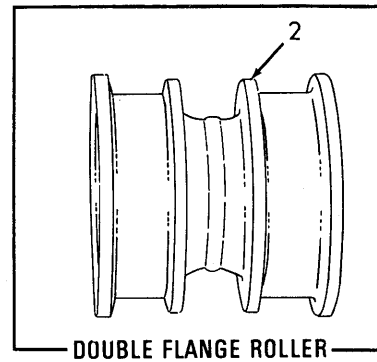
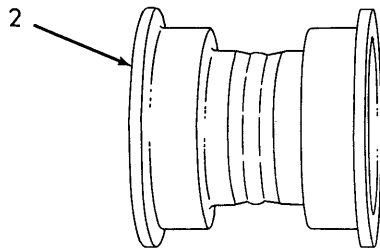
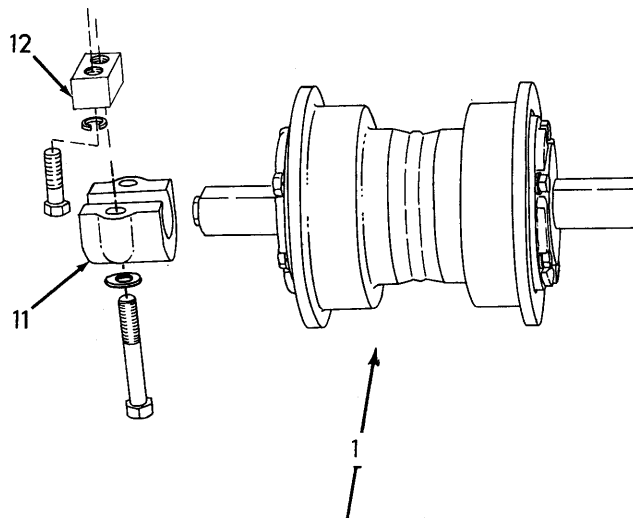
(Continued)

(Revised July 1976)

TRACK FRAME (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION	
13	70035250	2	PLUG, filling hole	
14	70667252	2	GASKET, filling hole plug	
15	70664340	6	BLOCK, tapped (For mounting dozing equipment)	} Tractors prior to unit #13165
	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 #12132)	
	70678974	2	PLATE, closure (Tractors unit #12132 thru #12154)	
	70686281	2	PLATE, closure (Tractors unit #12155 and up)	
	70927172	4	CAPSCREW, 1/2"NC x 1-1/8"	
	70677008	4	WASHER, plain	
18	70916270	2	CAPSCREW, oil level check (3/8"NC x 1/2")	
	70922464	2	WASHER, plain	
19	70663967	2	WASHER, sealing, oil level capscrew	
NOTE: Items listed below are Special Equipment				
20	70656749	2	GUARD, end, left hand	
	70656750	2	GUARD, end, right hand	
21	70921535	8	CAPSCREW, 5/8"NC x 1-3/4"	
	70912942	8	LOCKWASHER, 5/8"	
	70911029	8	NUT, 5/8"NC	

(Revised September 1979)



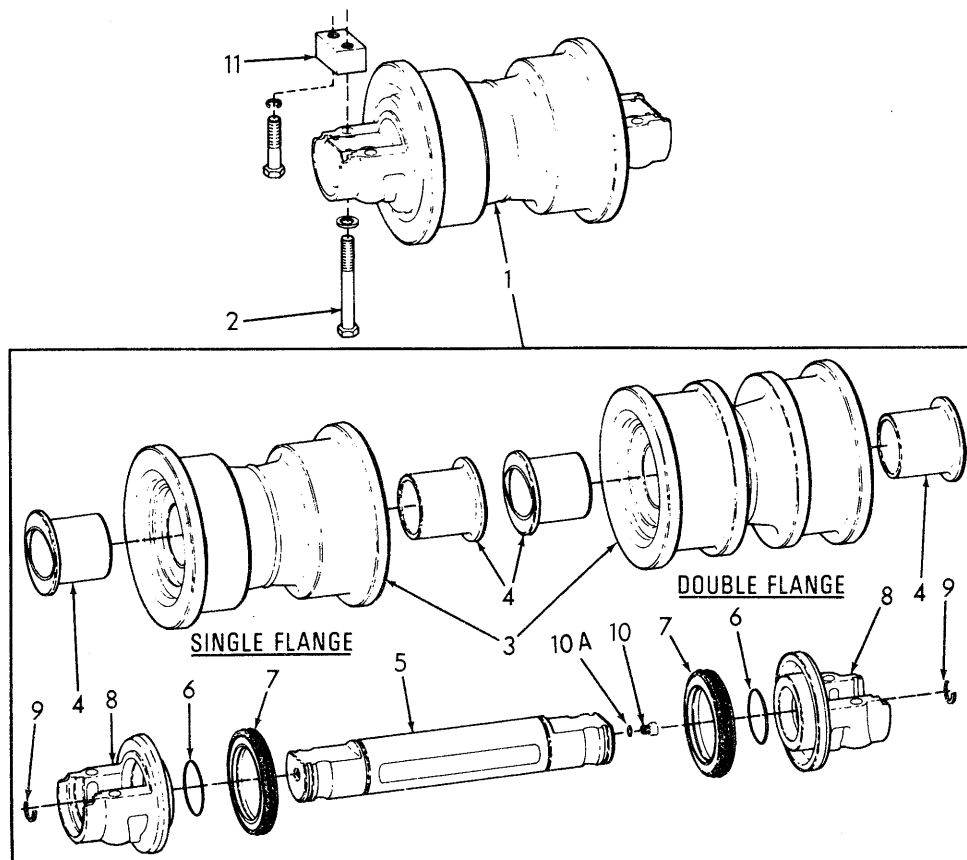
TRACK ROLLER

T-5149

USAGE: Standard equipment.

TRACK ROLLER

ITEM	PART NO.	QTY.	DESCRIPTION	
1	70675323	1	ROLLER ASSY., single flange	} Each consists of items 2 thru 10
	70675327	1	ROLLER ASSY., double flange	
2	70675322	1	ROLLER, single flange	}
	70675326	1	ROLLER, double flange	
3	70622002	1	SHAFT	
4	70673415	2	CONE ASSY., bearing	
5	70680631	2	CUP, bearing	
6	70924772	2	O-RING, retainer	
7	70655464	4	SHIM, bearing adjustment (.003" thick)	} Use as required
	70077287	4	SHIM, bearing adjustment (.007" thick)	
	70077286	4	SHIM, bearing adjustment (.010" thick)	
	70077285	2	SHIM, bearing adjustment (.032" thick)	
8	70680417	2	RETAINER, bearing	
	70680419	12	CAPSCREW, 1/2"NF x 1-1/4"	
9	70670071	2	SEAL ASSY. (Includes item 13)	
10	70670073	2	RETAINER, seal	
11	70681565	2	BRACKET, attaching	
	70925947	4	CAPSCREW, 3/4"NF x 4-1/4"	
	70926201	4	WASHER, plain	
12	70631290	4	BLOCK, attaching capscREW	} Not used when Track Roller Guards are installed
	70921171	4	CAPSCREW, 3/4"NF x 2-3/4"	
	70914726	4	LOCKWASHER, 3/4"	
<u>NOTE:</u> All quantities indicated above are for (1) roller only. The number of rollers used is 6 single flange and 8 double flange.				
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 washers, sufficient to service 1 Seal Assy.)	



T-81059

TRACK ROLLERS

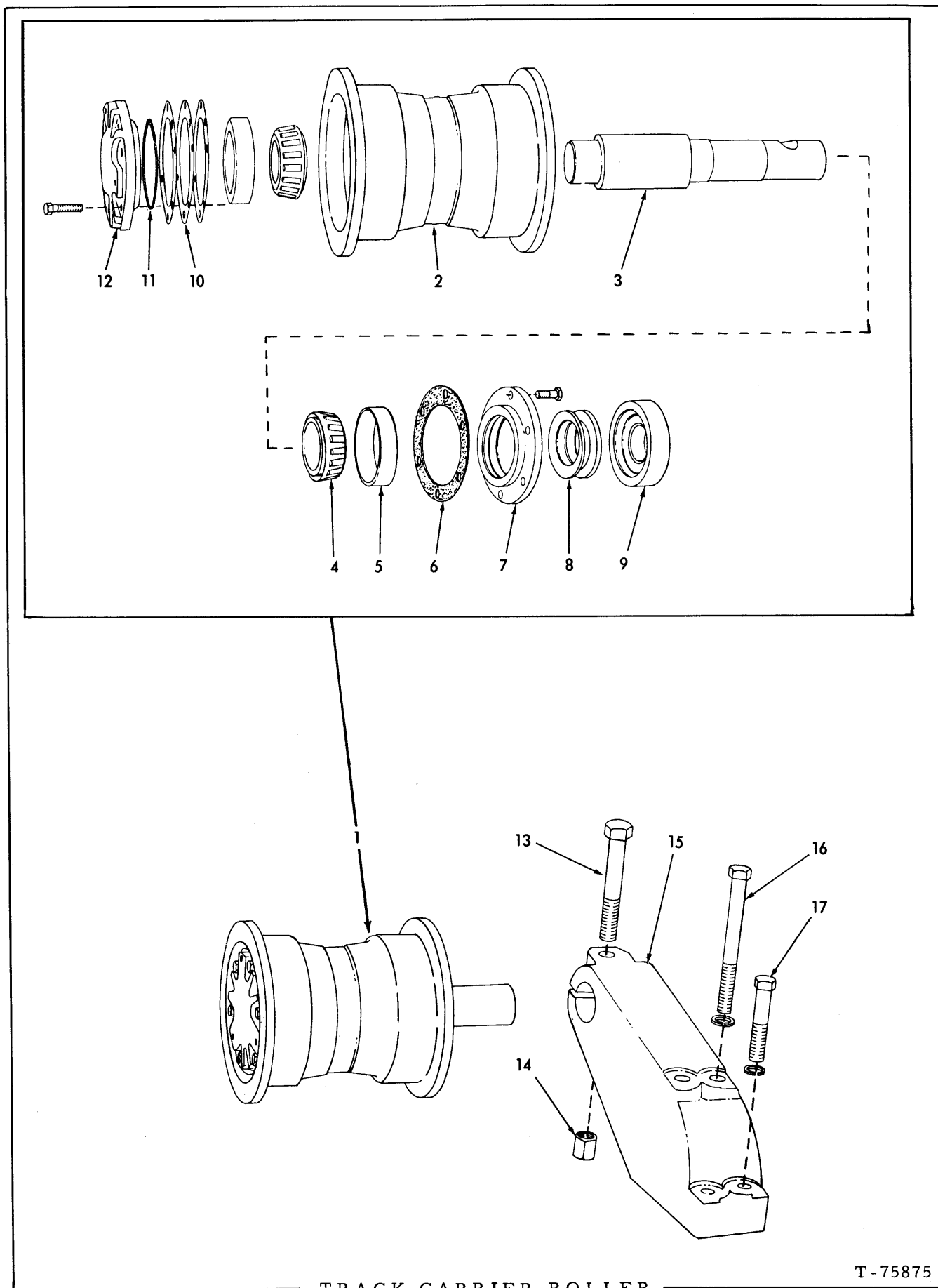
USAGE: Standard on tractors S/N17A15076 and up; Special on earlier units effective approximately June 1977.

ITEM	PART NO.	QTY.	DESCRIPTION	
1	70699179	6	ROLLER ASSY., single-flange	} Each includes items 3 thru 10
	70699180	8	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	
	70921171	4	CAPSCREW, 3/4" NF x 2-3/4"	} Not used when Track Roller Guards are installed
	70914726	4	LOCKWASHER, 3/4"	

(Revised April 1980)



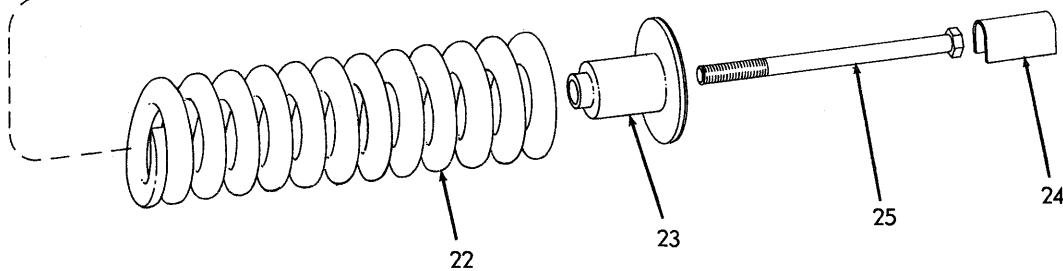
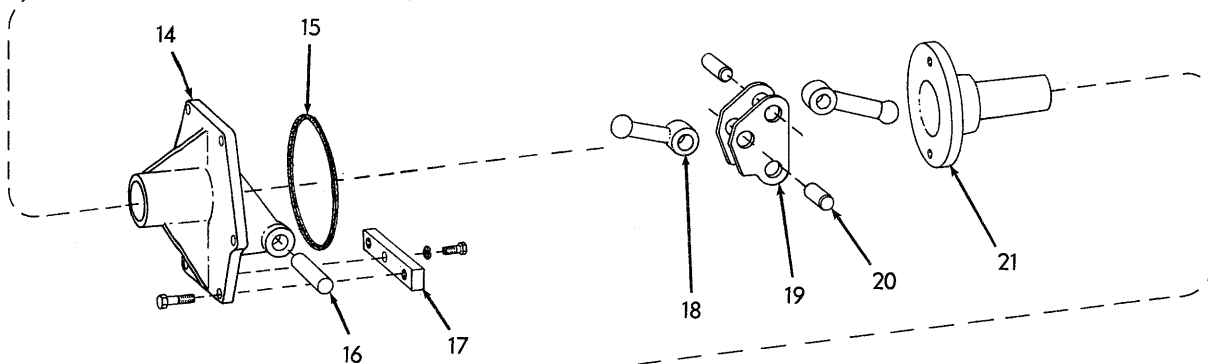
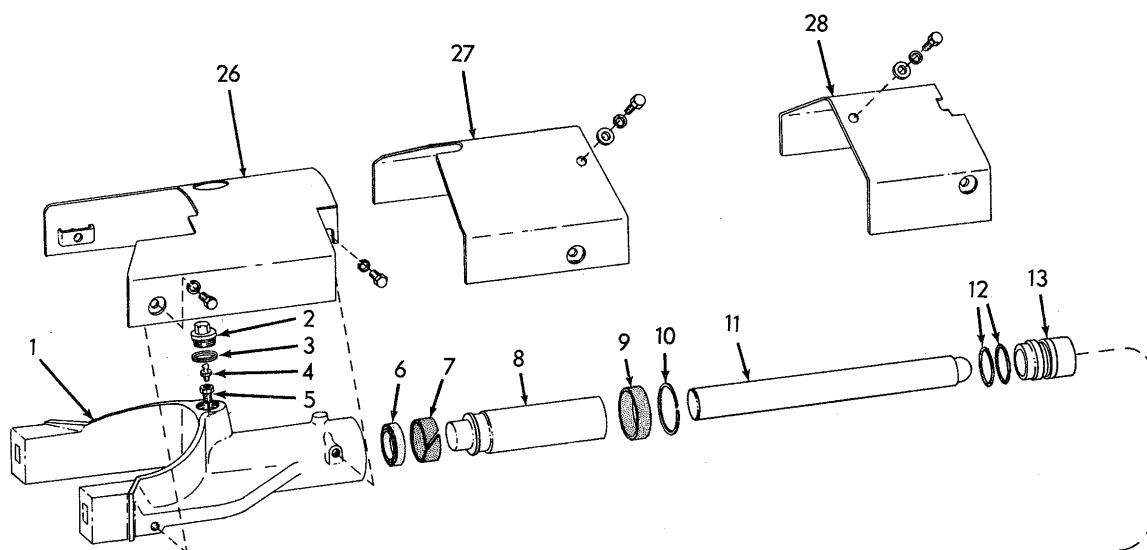
TRACK CARRIER ROLLER

T-75875

TRACK CARRIER ROLLER

ITEM	PART NO.	QTY.	DESCRIPTION
1	70671163	4	ROLLER ASSY., track supporting (Consists of items 2 thru 12)
2	70633268	4	ROLLER
3	{ 70671162	4	SHAFT (Tractors prior to unit #14809)
	70698977	4	SHAFT (Tractors unit #14809 and up)
4	70043491	8	CONE ASSY., bearing
5	70074740	8	CUP, bearing
6	70671157	4	GASKET, retainer
7	70671161	4	RETAINER, inner bearing
	70683586	24	CAPSCREW, 3/8"NF x 1-1/4"
8	70671158	4	SEAL ASSY. (See item 18)
9	70671160	4	RETAINER, seal
10	{ 70655497	8	SHIM, bearing adjustment (.003" thick)
	70059618	12	SHIM, bearing adjustment (.007" thick)
	70059619	12	SHIM, bearing adjustment (.010" thick)
	70059617	4	SHIM, bearing adjustment (.032" thick)
			} Use as required
11	70923931	4	O-RING, retainer
12	70678716	4	RETAINER, outer bearing
	70683586	24	CAPSCREW, 3/8"NF x 1-1/4"
13	70625970	4	CAPSCREW, bracket clamping (1"NF x 6")
14	70600236	4	NUT, high, 1"NF
15	70663260	4	BRACKET
16	70926601	8	CAPSCREW, 3/4"NC x 8-1/2"
17	70922458	8	CAPSCREW, 3/4"NC x 3-1/2"
	70914726	6	LOCKWASHER, 3/4"
18	70699062	4	RING SET, seal (Includes 2 rubber sealing washers sufficient to service 1 Seal Assy.)

(Revised July 1976)



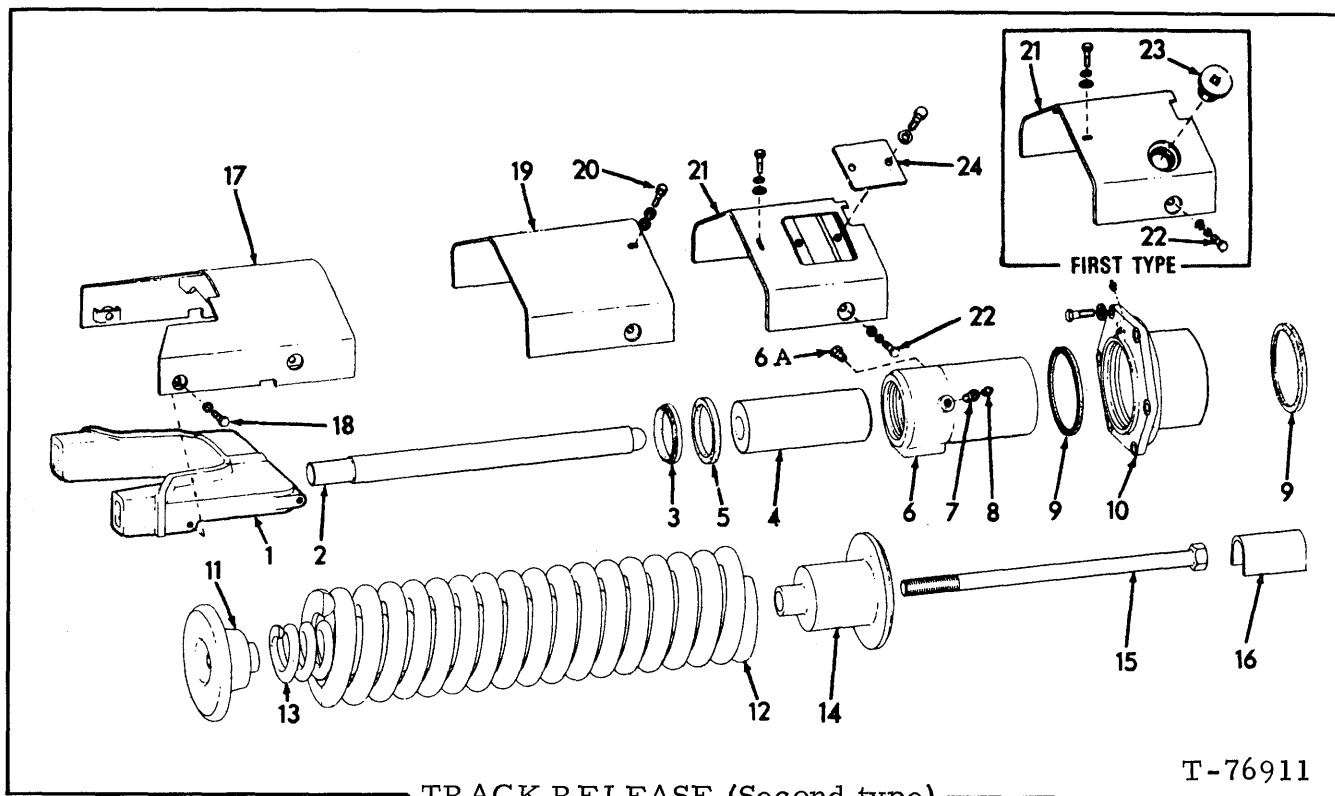
TRACK RELEASE (First Type)

T-75744

TRACK RELEASE (First Type)

USAGE: Tractors prior to serial No. 17A12132

ITEM	PART NO.	QTY.	DESCRIPTION
1	70675246	2	YOKE ASSY. (Includes items 2 thru 10)
2	70644255	2	PLUG, yoke
3	70623144	2	GASKET, plug sealing
4	70676456	2	FITTING, pressurizing valve
5	70676455	2	BALL CHECK ASSY., pressurizing (Includes ball)
6	70670648	2	SEAL, piston
7	70664171	2	RING, wear, adjusting piston
8	70667104	2	PISTON, adjusting
9	70664170	2	RING, wear, release yoke
10	70065513	2	RING, snap
11	70667080	2	BAR, push
12	70923827	4	O-RING, crosshead
13	70621299	2	CROSSHEAD
14	70664875	2	GUIDE, crosshead
	70921168	12	CAPSCREW, 5/8"NF x 2-1/2"
	70912942	12	LOCKWASHER, 5/8"
15	70059742	2	GASKET, crosshead guide
16	70656208	2	PIN, bellcrank pivot
17	70059599	2	BLOCK, mounting, crosshead guide
	70916028	2	CAPSCREW, 1/2"NC x 1-3/4"
	70904208	2	LOCKWASHER, 1/2"
18	70664844	4	ROD, push
19	70664847	2	BELLCRANK
20	70051798	4	PIN, push rod
21	70664815	2	PLUNGER, spring
22	70664879	2	SPRING
23	70664813	2	SEAT, spring
24	70664843	2	LOCK, spring adjustment capscREW
25	70059739	2	CAPSCREW, spring adjustment
26	70661612	2	GUARD, front section
	70920582	8	CAPSCREW, 1/2"NC x 1-1/4"
	70912441	8	LOCKWASHER, 1/2"
27	70650082	2	GUARD, intermediate section
	70920582	8	CAPSCREW, 1/2"NC x 1-1/4"
	70912441	8	LOCKWASHER, 1/2"
	70064531	4	WASHER, plain
28	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)

USAGE: Tractor serial No. 17A12132 and up

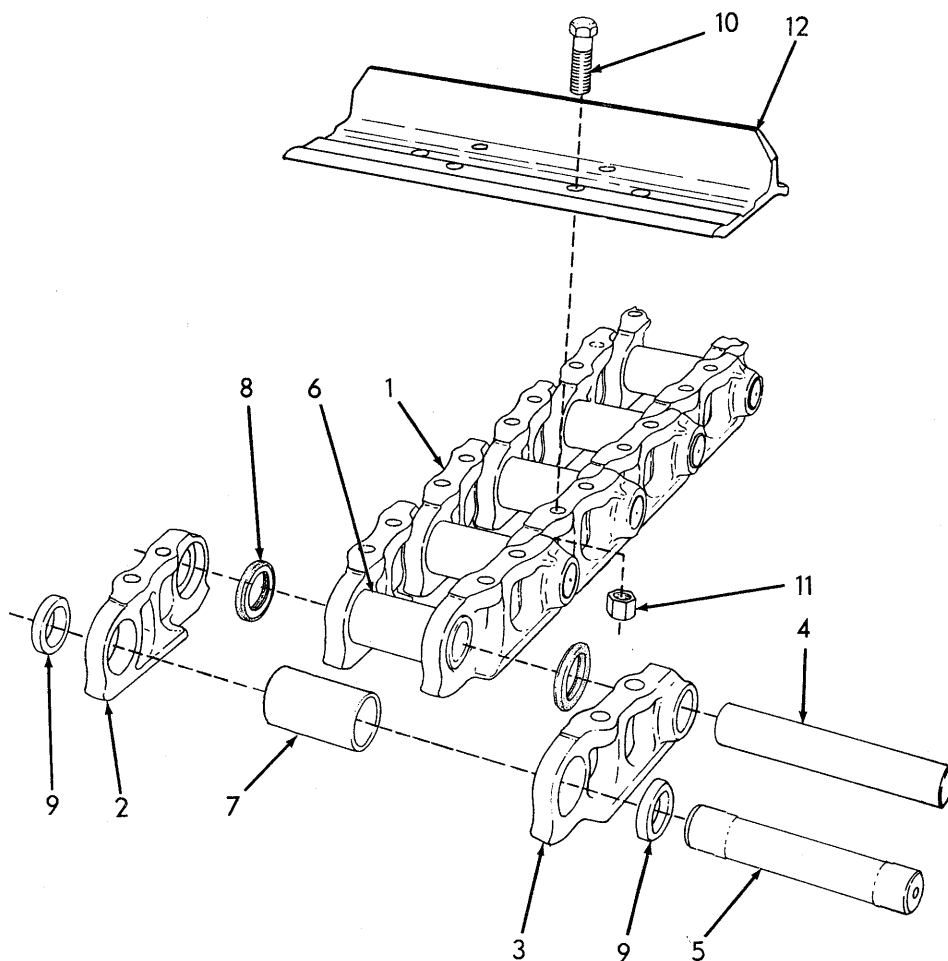
ITEM	PART NO.	QTY.	DESCRIPTION
1	70678420	2	YOKE (Tractors prior to unit #12520)
	70681744	2	YOKE (Tractors unit #12520 and up)
2	70678966	2	BAR, push
3	70678438	2	SEAL, piston, small
4	70678436	2	PISTON, adjusting
5	70096803	2	SEAL (5-7/32" O.D.)(Tractors prior to unit #12910)
	70686912	2	SEAL (4-1/2" 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 #14302)
	70694031	2	CYLINDER (Tractor unit #14303 and up)
6A	70693719	2	VALVE, relief (Tractor unit #14303 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
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

(Continued)

(Revised April 1977)

TRACK RELEASE (Second type)(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
15	70678428	2	CAPSCREW, spring adjustment
16	70664843	2	LOCK, spring adjustment capscREW
17	70678958	2	GUARD, front section
18	70670849	8	CAPSCREW, 1/2"NC x 1- 1/4"
19	70678964	1	GUARD, intermediate section
20	70920582	8	CAPSCREW, 1/2"NC x 1-1/4"
	70677008	4	WASHER, plain
	70912441	4	LOCKWASHER, 1/2"
21	70678961	1	GUARD, left (Tractors prior to unit #13387 excluding #13373 thru #13379 and #13382)
	70692987	1	GUARD, left (Includes item 24)(Tractor unit #13387 and up including #13373 thru #13379 and #13382)
	70678962	1	GUARD, right (Tractors prior to unit #13387 excluding #13373 thru #13379 and #13382)
	70692988	1	GUARD, right (Includes item 24)(Tractor unit #13387 and up including #13373 thru #13379 and #13382)
22	70920582	8	CAPSCREW, 1/2"NC x 1-1/4"
	70677008	4	WASHER, plain
	70912441	4	LOCKWASHER, 1/2"
23	70035250	2	PLUG (Tractors prior to unit #13387, excluding #13373 thru #13379 and #13382)
24	70693044	2	COVER
	70920582	4	CAPSCREW, 1/2"NC x 1-1/4"
	70677008	4	WASHER
			} Tractor unit #13387 and up including #13373 thru #13379 and #13382



T-10684

* 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)
4	70633365	80	80	PIN (10-1/4" long)
5	70665383	2	2	PIN, master (10-1/4" long)

(Continued)

(Revised April 1977)

TRACK (Continued)

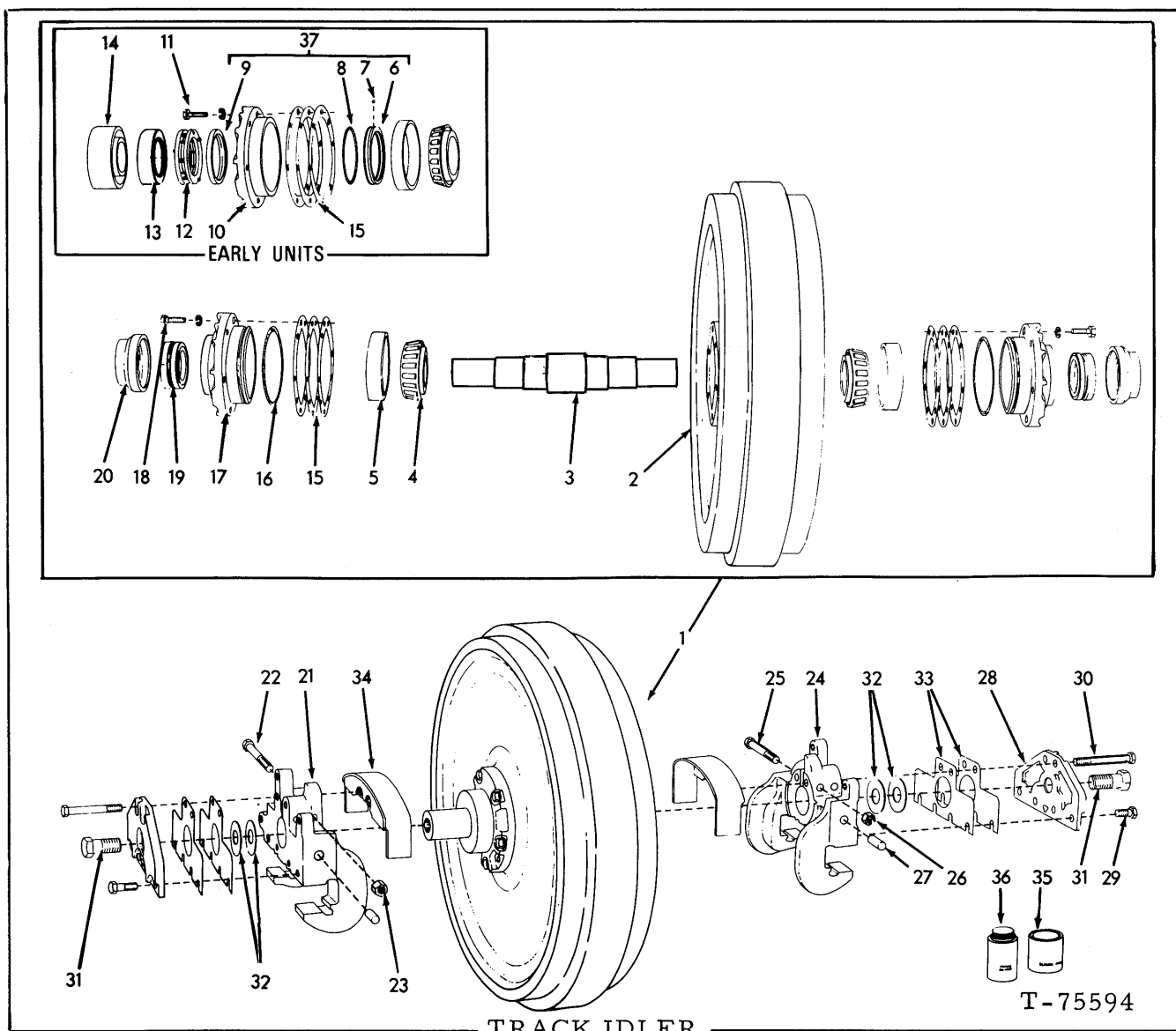
ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
6	70645920	80	-	BUSHING (6-15/16" long)
	70633364	-	80	BUSHING (7-3/4" long)
7	70645947	2	2	BUSHING, master (6-3/4" long)
8	70668466	164	-	SEAL
9	70679734	-	4	SPACER, master bushing (3/8" thick)(Tractors prior to unit #14866)
	70633266	-	4	SPACER, master bushing (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

TRACK SHOES

COMPLETE TRACK ASSEMBLIES
WITH SHOES (2 Required)

			SHOE, grouser, 18"	SHOE, grouser, 20"	SHOE, grouser, 20"(Severe service)	SHOE, grouser, 22"	SHOE, grouser, 22"(Severe service)	SHOE, grouser, 24"	SHOE, grouser, 24"(Severe service)	SHOE, grouser, 28"
12	70633380	82 82	70677518. . .	70677495 . . .	70677511 . . .	70677520. . .	70677509. . .	70677519. . .	70677605. . .	70679160. . .
	70633270	82 82	70682033	70679816	70679817	70682034	70682035	70682036	70682037	70682038
	70668882	82 82								
	70633355	82 82								
	70668881	82 82								
	70633390	82 82								
	70669193	82 82								
	70679159	82 82								

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.



*First type
 **Second type

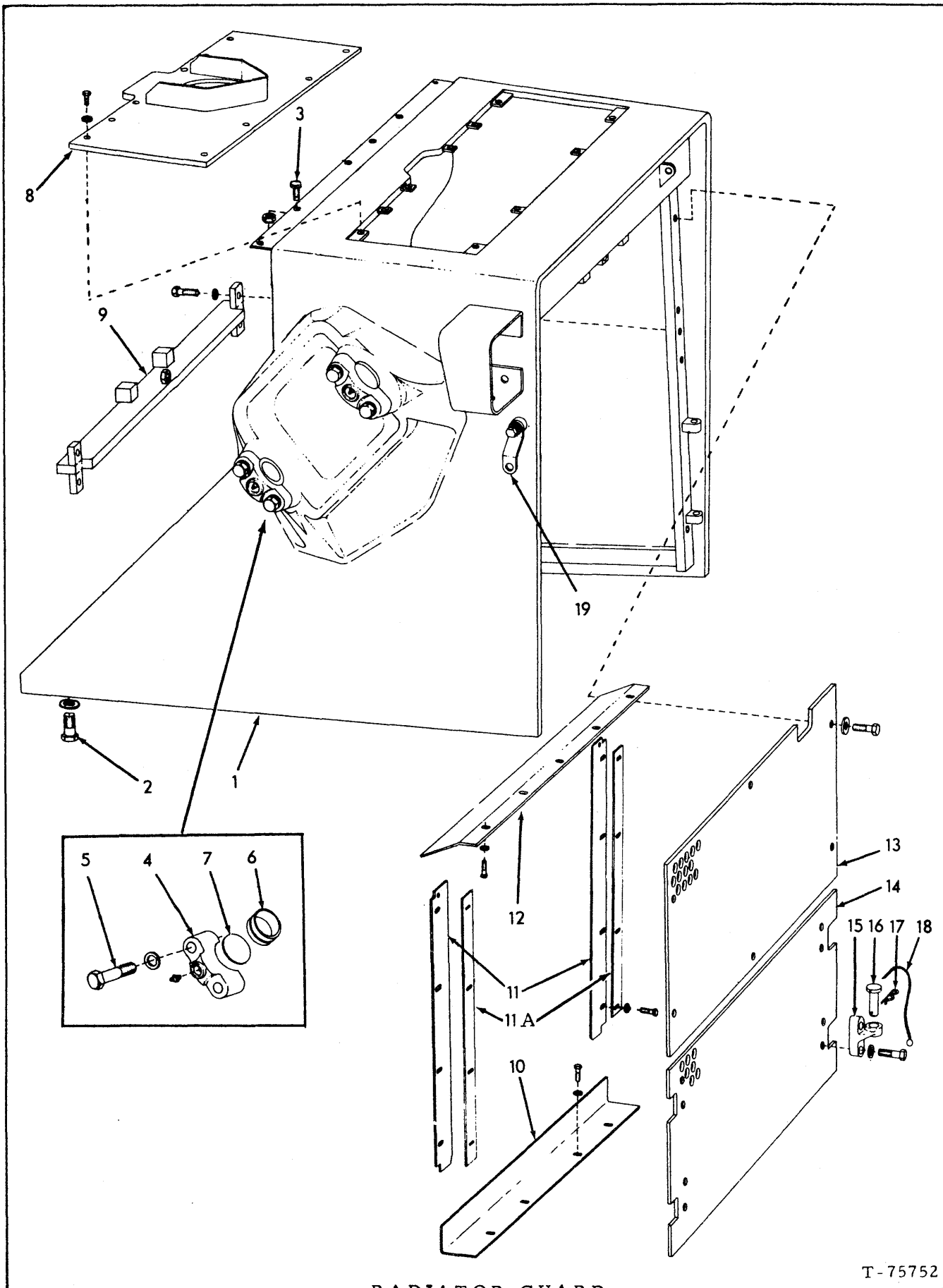
ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
1	70665317	2 -	IDLER ASSY., track (Consists of items 2 thru 20)
	70696168	- 2	IDLER ASSY., track (Consists of items 2 thru 20)
2	70669703	2 -	IDLER
	70696161	- 2	IDLER
3	70676364	2 -	SHAFT (3-1/4" O. D.)
	70696167	- 2	SHAFT (3-3/4" O. D.)
4	70669786	4 -	CONE ASSY., 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 (Early units)

(Continued)

TRACK IDLER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION	
		* **		
7	70905357	4	□ BALL, steel, 3/16" diam.	
8	70067137	4	□ O-RING, seal ring	
9	70051623	4	□ RING, seal, outer	
10	70067141	4	RETAINER, bearing	
11	70922726	24	CAPSCREW, 1/2"NF x 1-1/2"	} Early Units
	70912441	24	LOCKWASHER, 1/2"	
12	70051959	4	SPRING ASSY., seal (Serviced only as a unit)	
13	70051629	4	BOOT, seal	
14	70099506	4	RETAINER, seal	
15	70655528	4	SHIM, bearing adjustment (.003" thick)	} Use as required
	70059387	8	SHIM, bearing adjustment (.007" thick)	
	70059386	12	SHIM, bearing adjustment (.010" thick)	
	70059385	4	SHIM, bearing adjustment (.032" thick)	
16	70924138	4	O-RING, retainer	
	70923825	-	O-RING, retainer	
17	70677694	4	RETAINER, bearing	} Late Units
	70696166	-	RETAINER, bearing	
18	70922726	24	CAPSCREW, 1/2"NF x 1-1/2"	
	70670849	-	CAPSCREW	
	70912441	24	LOCKWASHER, 1/2"	
19	70670071	4	SEAL ASSY. (Each includes two seals. See item 38)	
20	70677696	4	RETAINER, seal	
	73107848	-	RETAINER, seal	
21	70657777	2	BRACKET ASSY., left (Includes item 27)(Tractors prior to unit #12520)	
	70683835	2	BRACKET ASSY., left (Includes item 27)(Tractors unit #12520 and up)	
22	70922319	4	CAPSCREW, 5/8"NF x 5"	
23	70072366	4	NUT, high, 5/8"NF	
24	70657778	2	BRACKET ASSY., right (Includes item 27)(Tractors prior to unit #12520)	
	70683836	2	BRACKET ASSY., right (Includes item 27)(Tractors unit #12520 and up)	
25	70922319	4	CAPSCREW, 5/8"NF x 5"	
26	70072366	4	NUT, high, 5/8"NF	
27	70056585	4	PIN, dowel, idler bracket to release yoke	
28	70669298	4	PLATE, guide	
29	70923884	16	CAPSCREW, 5/8"NF x 1-1/2"	
30	70921404	8	CAPSCREW, 5/8"NC x 4"	
	70911029	8	NUT, 5/8"NC (Not used with special idler guard)	
31	70926566	4	CAPSCREW, idler adjustment (1"NF x 2")	
32	70669302	12	SHIM, idler adjustment (1/16" thick)	} Use as required
	70669303	12	SHIM, idler adjustment (1/32" thick)	
33	70655990	8	SHIM, guide plate (1/32" thick)	} Use as required
	70655989	4	SHIM, guide plate (1/16" thick)	
34	70669791	4	GUARD (Special equipment)	
35	70033288	-	CEMENT, neoprene, 1/2" pint can	
36	70054890	-	SOLVENT, neoprene cement, 1/2 pint can	
37	70083209	2	SEAL KIT (Includes parts for one (1) idler only; items 6 thru 9)	
38	70690649	4	RING KIT, seal (Each includes 2 rubber sealing washers sufficient to service 1 Seal Assy.)	

□ Components of item 37



RADIATOR GUARD

T-75752

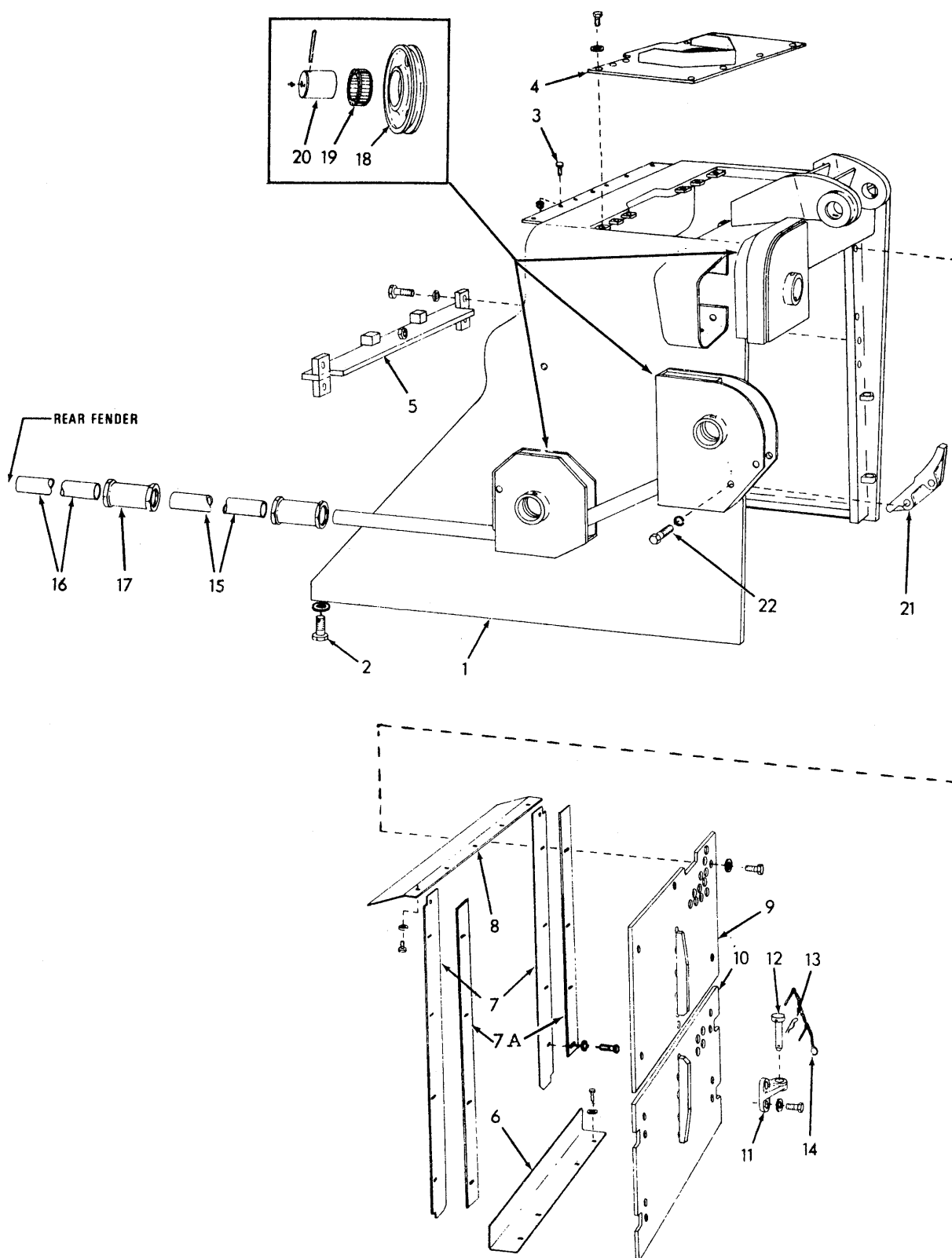
(Revised May 1975)

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 dozers)	} Tractors prior to unit #11547
	70677900	1	GUARD ASSY. (Includes items 4 and 5) (For units with hydraulic dozer)	
	70679549	1	GUARD, radiator (For units without dozers)	} Tractor unit #11547 and up
	70679664	1	GUARD ASSY. (Includes items 4 and 5) (For units with hydraulic dozers)	
2	70927487	12	CAPSCREW, 1-1/4"NC x 3"	
	70928453	12	WASHER, plain	
3	70677885	7	BUTTON, bumper, hood	} 1 less used on tractors unit #11547 and up
	70917730	7	NUT, elastic stop, 1/4"NC	
4	70085140	4	CAP, trunnion	} For GUARD 0677900-3 and 0679664-3 only
	70914465	4	FITTING, lubricating, straight, 1/8"NPT	
5	70036546	8	CAPSCREW, 1"NF x 4-1/4"	
	70910916	8	LOCKWASHER, 1"	
6	70084581	4	BUSHING, trunnion	
7	70084612	4	PLATE, retaining, trunnion bushing	
8	70669718	1	COVER, top closure	
	70922763	10	CAPSCREW, 3/8"NC x 1"	
	70683421	10	WASHER, plain	
9	70661739	1	BAR, front closure plate supporting	
	70921556	4	CAPSCREW, 1/2"NC x 2"	
	70677008	4	WASHER, plain	
10	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	
11	70678583	2	BAFFLE, air, side	
	70927373	8	CAPSCREW, 5/16"NC x 7/8"	
	70677005	8	WASHER, plain	
11A	70677750	2	STRIP, side baffle	
12	70662080	1	BAFFLE, air, upper	
	70922763	5	CAPSCREW, 3/8"NC x 1"	
	70677006	8	WASHER, plain	
13	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	
14	70668557	1	GRILL, front closure, lower (Standard)	
	70679418	1	GRILL, front closure, lower (Optional - Severe service)	
15	70667159	4	BRACKET, hinge, bottom closure plate	
	70922509	8	CAPSCREW, Nylok, 1/2"NC x 1-3/4"	
	70677008	8	WASHER, plain	
16	70643124	4	PIN, hinge	
17	70920570	4	PIN, hinge pin retaining	
18	70643229	4	CHAIN ASSY., hinge pin (Serviced only as a unit)	
19	70660513	2	STRAP, cylinder tie-down (Used only when transporting tractor with dozer blade removed)	
	70920574	2	CAPSCREW, 1/2"NC x 1-3/8"	
	70677008	2	WASHER	

(Revised July 1976)



RADIATOR GUARD

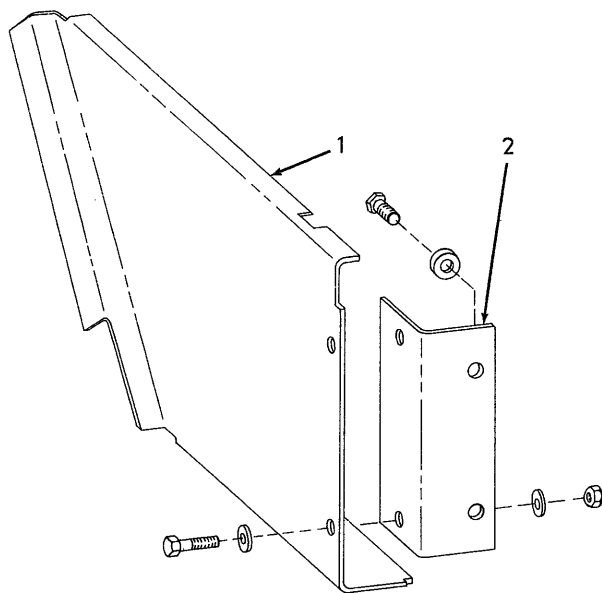
T-75755

(Revised May 1975)

RADIATOR GUARD

USAGE: For units equipped with cable dozer

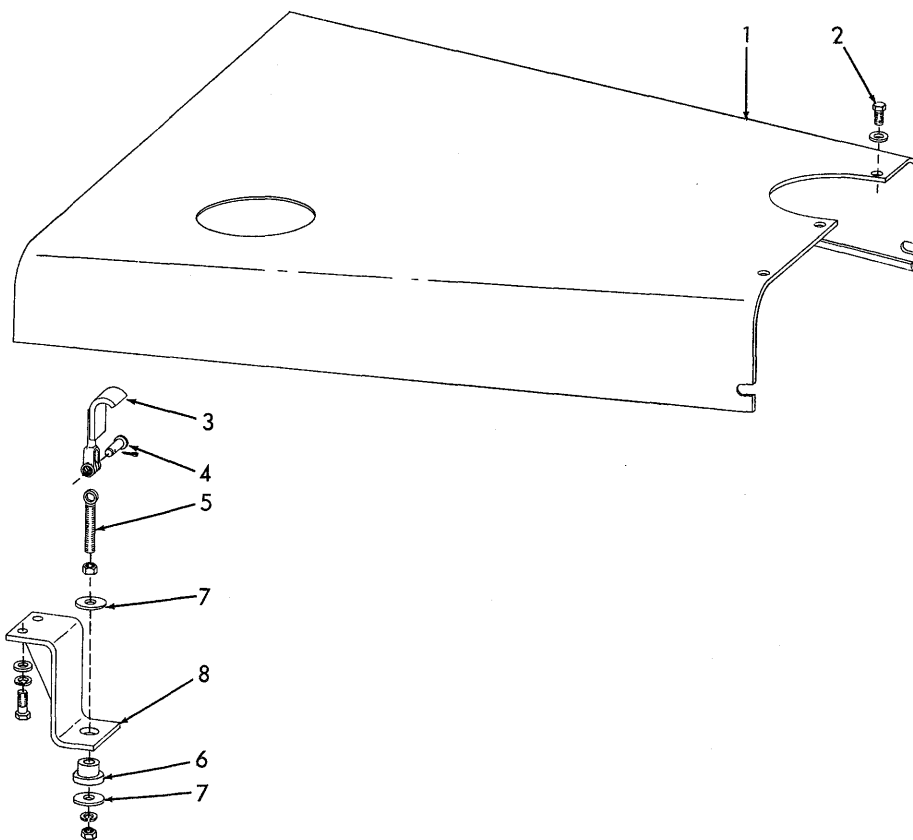
ITEM	PART NO.	QTY.	DESCRIPTION
1	70677932	1	GUARD, radiator (Tractors prior to unit #11547)
	70679695	1	GUARD, radiator (Tractor unit #11547 and up)
2	70927487	12	CAPSCREW, 1-1/4"NC x 3"
	70928453	12	WASHER, plain
3	70677885	7	BUTTON, bumper, hood
	70917730	7	NUT, elastic stop 1/4"NC } 1 less used on tractors unit #11547 and up
4	70669718	1	COVER, top closure
	70922763	10	CAPSCREW, 3/8"NC x 1"
	70683421	10	WASHER, plain
5	70661739	1	BAR, front closure plate supporting
	70921556	4	CAPSCREW, 1/2"NC x 2"
	70677008	4	WASHER, plain
6	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
7	70678583	2	BAFFLE, air, side
	70927373	8	CAPSCREW, 5/16"NC x 7/8"
	70677006	8	WASHER, plain
7A	70677750	2	STRIP, side baffle
8	70662080	1	BAFFLE, air, upper
	70922763	5	CAPSCREW, 3/8"NC x 1"
	70677006	5	WASHER, plain
9	70666092	1	GRILL, front closure, upper
	70927159	6	CAPSCREW, Nylok, 5/8"NC x 1-1/2"
	70677010	6	WASHER, plain
10	70666093	1	GRILL, front closure, lower
11	70667159	4	BRACKET, hinge, bottom closure plate
	70922509	8	CAPSCREW, Nylok, 1/2"NC x 1-3/4"
	70677008	8	WASHER, plain
12	70643124	4	PIN, hinge
13	70920570	4	PIN, hinge pin retaining
14	70643229	4	CHAIN ASSY., hinge pin (Serviced only as a unit)
15	70670270	1	PIPE, protecting, cable (front)
16	70669430	1	PIPE, protecting, cable (rear)
17	70665394	2	COUPLING ASSY., pipe (Includes nuts and seals)
18	70084758	3	SHEAVE, control cable
19	70044875	3	BEARING, roller, cable sheave
20	70665364	3	SHAFT, sheave
	70917936	3	PIN, spring, 3/8" x 3-1/2"
	70914465	3	FITTING, lubricating, straight, 1/8"NPT
21	70084694	1	GUIDE, cable
22	70921174	2	CAPSCREW, 5/8"NC x 2-1/2"
	70904209	2	LOCKWASHER, 5/8"



FRONT FENDERS

T-75718

ITEM	PART NO.	QTY.	DESCRIPTION
1	0662043	1	FENDER, left side
	0662044	1	FENDER, right side
	0920585	4	CAPSCREW, 1/2"NC x 1-3/4"
	0677008	8	WASHER, plain
	0911028	4	NUT, 1/2"NC
2	0662049	2	ANGLE, fender attaching
	0920585	4	CAPSCREW, 1/2"NC x 1-3/4"
	0677008	4	WASHER, plain

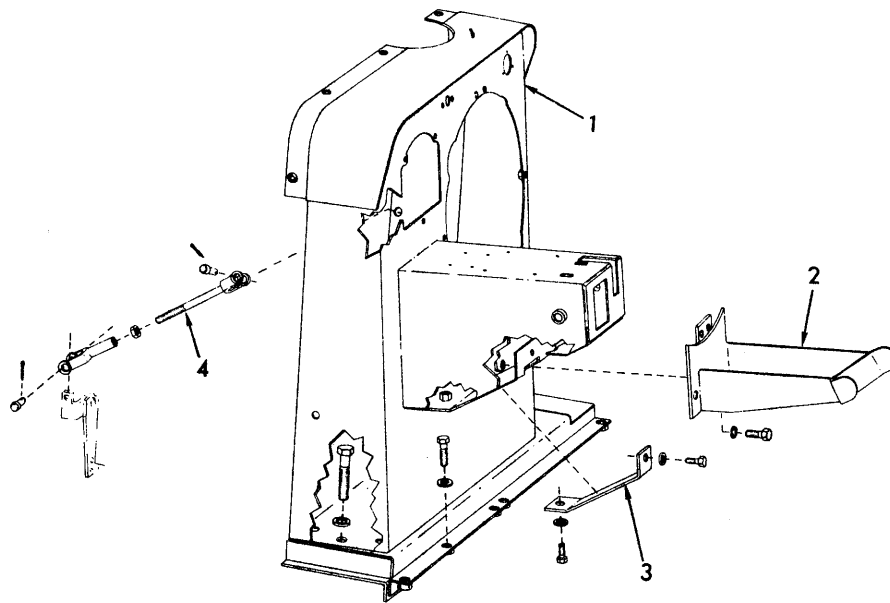


HOOD

T-75767

ITEM	PART NO.	QTY.	DESCRIPTION
1	70666166	1	HOOD, engine (Tractors prior to unit #11547)
	70679578	1	HOOD, engine (Tractors unit #11547 thru #13556)
	70692106	1	HOOD, engine (Tractors unit #13557 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

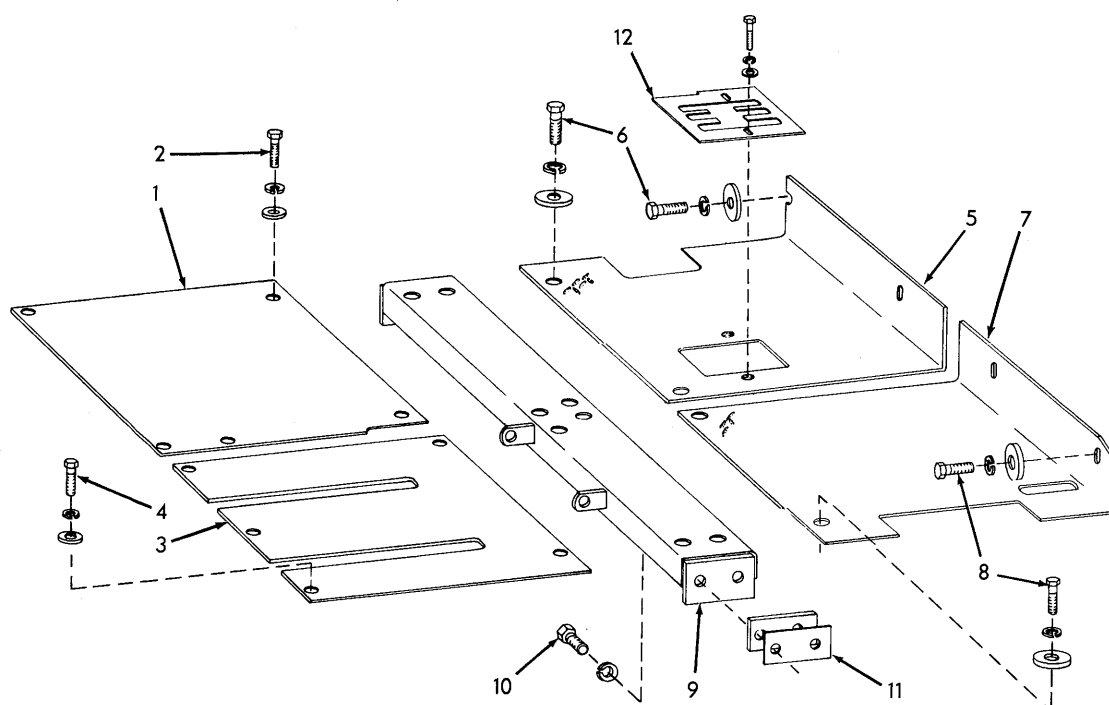


T-75876

COWL

ITEM	PART NO.	QTY.	DESCRIPTION
1	70659740	1	COWL (Tractors prior to unit #12124)
	70682861	1	COWL (Tractors unit #12124 and up)
	70920582	4	CAPSCREW, 1/2"NC x 1-1/4"
	70677008	4	WASHER, plain
	70921597	3	CAPSCREW, 5/8"NC x 3"
2	70677010	3	WASHER, plain
	70671847	1	REST, right foot
	70920582	2	CAPSCREW, 1/2"NC x 1-1/4"
3	70912441	2	LOCKWASHER, 1/2"
	70656921	1	COVER, access
	70922763	2	CAPSCREW, 3/8"NC x 1"
4	70677006	2	WASHER, plain
	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"

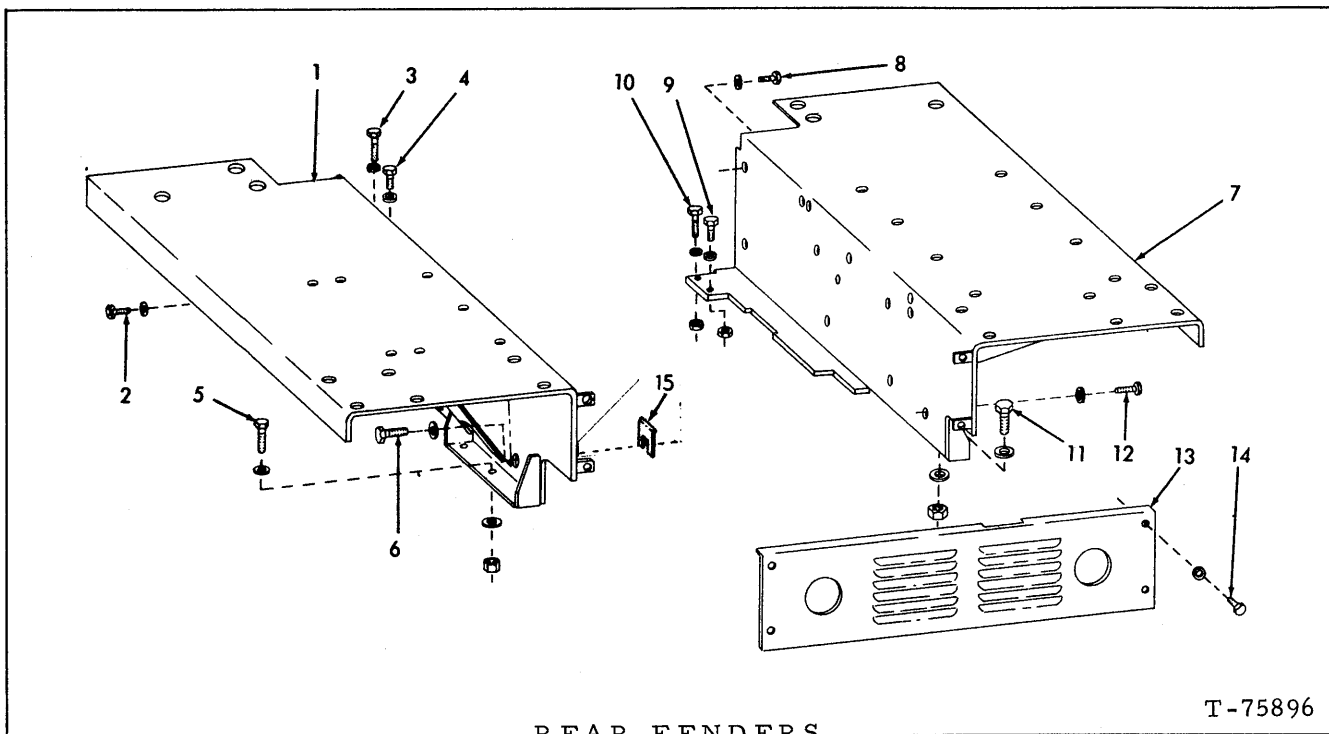
NOTE: See PAINTING AND MARKING for transfers



T-75760

FLOOR

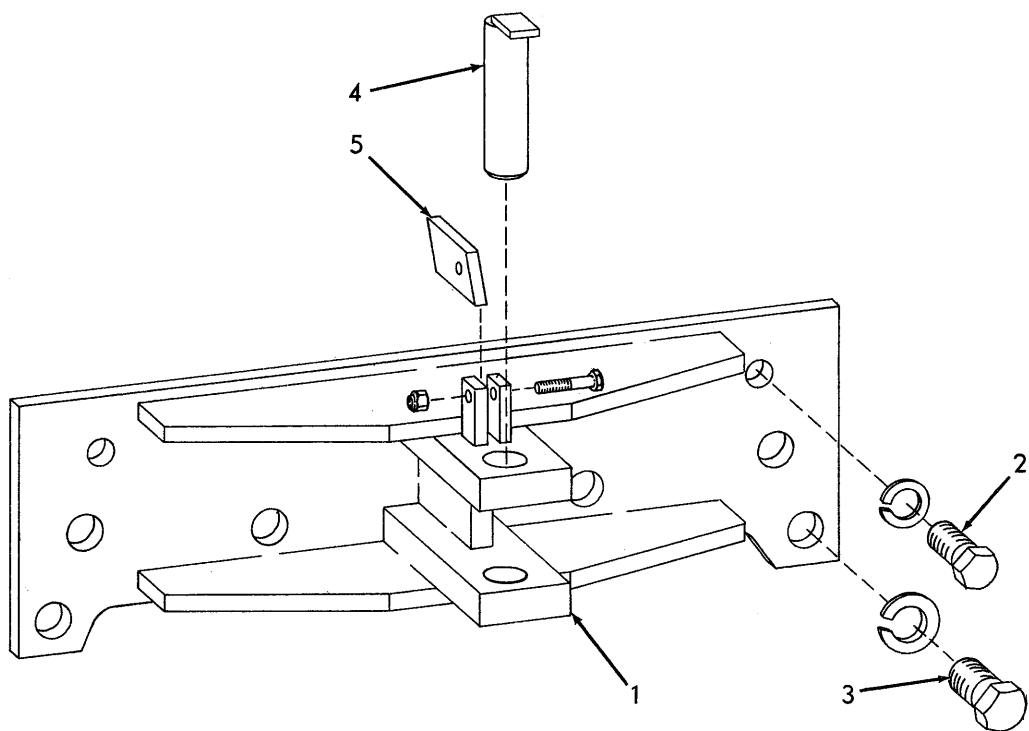
ITEM	PART NO.	QTY.	DESCRIPTION
1	70658413	1	PLATE, front section, right (Standard)
	70668150	1	PLATE, front section, right (Special. For units equipped with special Air Cleaner Unloader Extension)
2	70920583	4	CAPSCREW, 1/2"NC x 1-1/2"
	70912441	4	LOCKWASHER, 1/2"
	70677008	4	WASHER
3	70658718	1	PLATE, front section, left
4	70920583	5	CAPSCREW, 1/2"NC x 1-1/2"
	70912441	5	LOCKWASHER, 1/2"
	70677008	5	WASHER
5	70671050	1	PLATE, rear section, right
6	70920583	4	CAPSCREW, 1/2"NC x 1-1/2"
	70912441	4	LOCKWASHER, 1/2"
	70092163	4	WASHER
7	70663293	1	PLATE, rear section, left
8	70920583	4	CAPSCREW, 1/2"NC x 1-1/2"
	70912441	4	LOCKWASHER, 1/2"
	70092163	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, (1/32" thick)
	70087742	1	SHIM (1/8" thick)
			} Use as required
12	70631147	1	PLATE, guide, gear shift lever
	70923470	2	CAPSCREW, 3/8"NC x 1-1/2"
	70910287	2	LOCKWASHER, 3/8"
	70677006	2	WASHER



ITEM	PART NO.	QTY.	DESCRIPTION
1	70686315	1	FENDER, left side
	73127578	1	STEP TREAD(12" x 16")(Not illustrated)
2	70922509	2	CAPSCREW, Nylok, 1/2"NC x 1-3/4"
	70677008	2	WASHER, plain
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, plain
	70911028	2	NUT, 1/2"NC
5	70921171	3	CAPSCREW, 3/4"NF x 2-3/4"
	70677012	6	WASHER, plain
	70012767	3	NUT, 3/4"NF
6	70927298	2	CAPSCREW, Nylok, 3/4"NF x 2-1/4"
	70677012	8	WASHER, plain
7	70686316	1	FENDER, right side (For standard units or units equipped with hydraulic dozer)
	70666110	1	FENDER, right side (For units equipped with cable dozer)
8	70922509	2	CAPSCREW, Nylok, 1/2"NC x 1-3/4"
	70677008	2	WASHER, plain
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, plain
	70911028	2	NUT, 1/2"NC
11	70921171	3	CAPSCREW, 3/4"NF x 2-3/4"
	70677012	6	WASHER, plain
	70012767	3	NUT, 3/4"NF
12	70927298	2	CAPSCREW, Nylok, 3/4"NF x 2-3/4"
	70677012	8	WASHER, plain
13	70670218	1	PLATE
14	70922763	4	CAPSCREW, 3/8"NC x 1"
	70677006	4	WASHER, plain
15	70670430	-	SPACER, shimming (Use as required)

Not used on units equipped with ripper

(Revised June 1981)

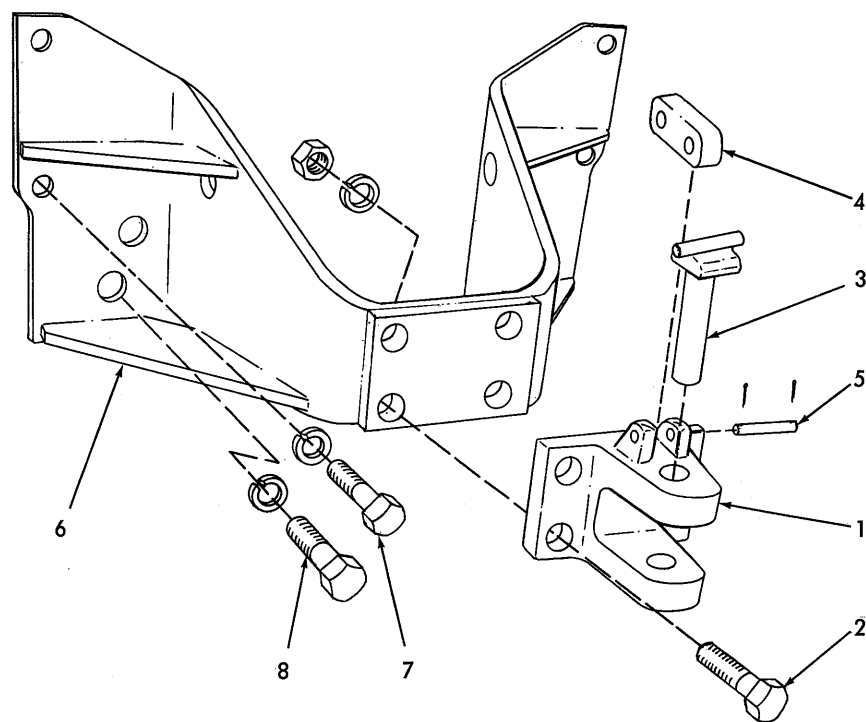


— FIXED DRAW BAR —

T-75824

USAGE: Standard equipment

ITEM	PART NO.	QTY.	DESCRIPTION
1	0673438	1	DRAWBAR
2	0927355	2	CAPSCREW, 1-1/4"NF x 3-1/4"
	0914730	2	LOCKWASHER, 1-1/4"
3	0927370	4	CAPSCREW, 1-1/2"NF x 3-3/4"
	0912603	4	LOCKWASHER, 1-1/2"
4	0677162	1	PIN, coupling
5	0664052	1	PLATE, pin retaining
	0922526	1	CAPSCREW, 1/2"NC x 2-1/2"
	0915972	1	NUT, elastic stop, 1/2"NC



T-70520

FIXED DRAWBAR

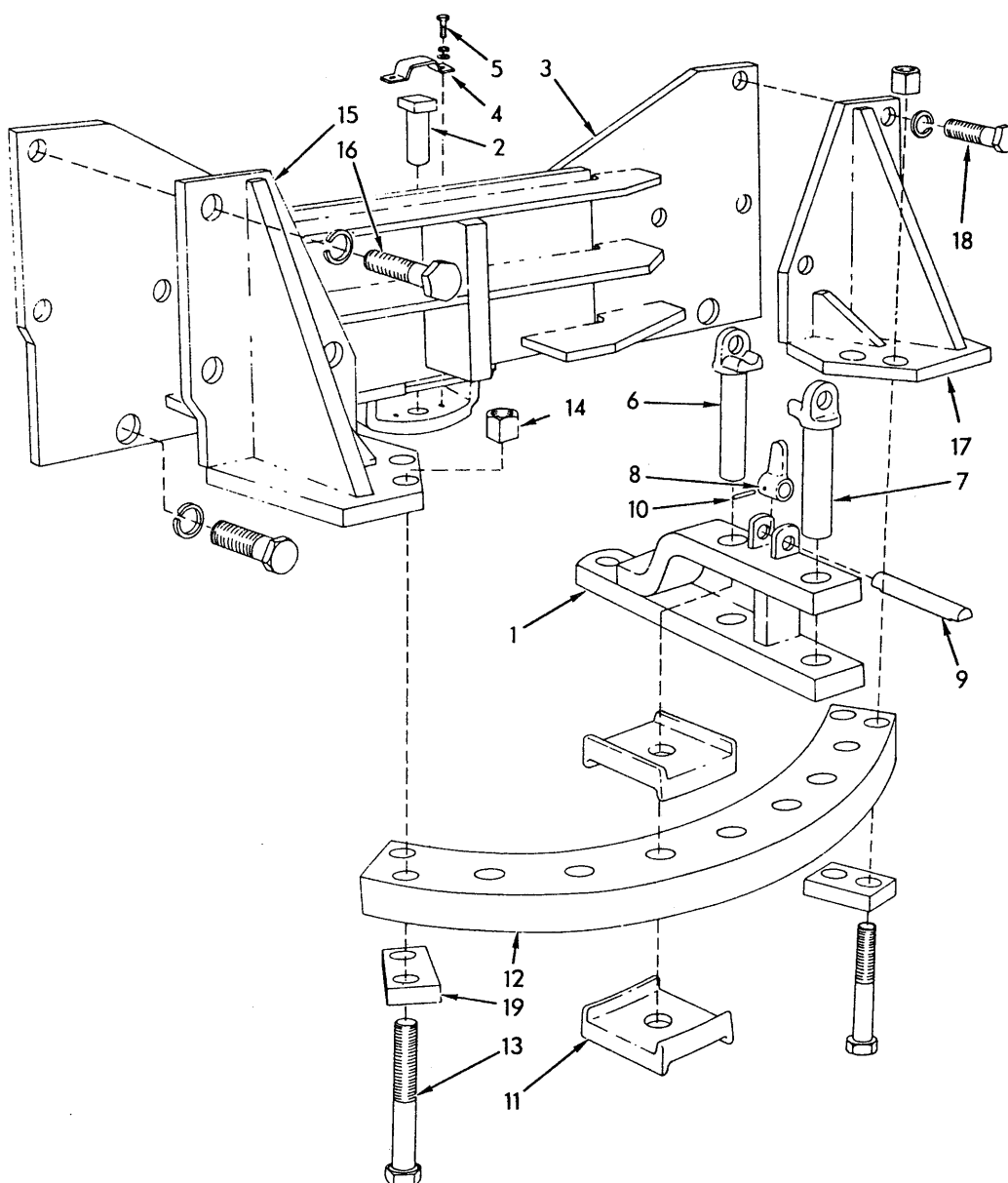
USAGE: Optional equipment

ITEM	PART NO.	QTY.	DESCRIPTION
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NOTE: Cannot be used with special Ripper

1	0633729	1	BRACKET, coupling
2	0927367	4	CAPSCREW, 1-1/2"NF x 5-1/2"
	0912603	4	LOCKWASHER, 1-1/2"
	0916555	4	NUT, 1-1/2"
3	0633730	1	PIN, drawbar
4	0629697	1	BLOCK, retaining, drawbar pin
5	0629698	1	PIN, retaining block
	0900806	2	PIN, cotter, 1/8" x 1"
6	0633720	1	BRACKET, supporting
7	0927355	4	CAPSCREW, 1-1/4"NF 3-1/4"
	0914730	4	LOCKWASHER, 1-1/4"
8	0927370	4	CAPSCREW, 1-1/2"NF x 3-3/4"
	0912603	4	LOCKWASHER, 1-1/2"

MEMO



SWINGING DRAWBAR

T-75797

USAGE: Optional equipment

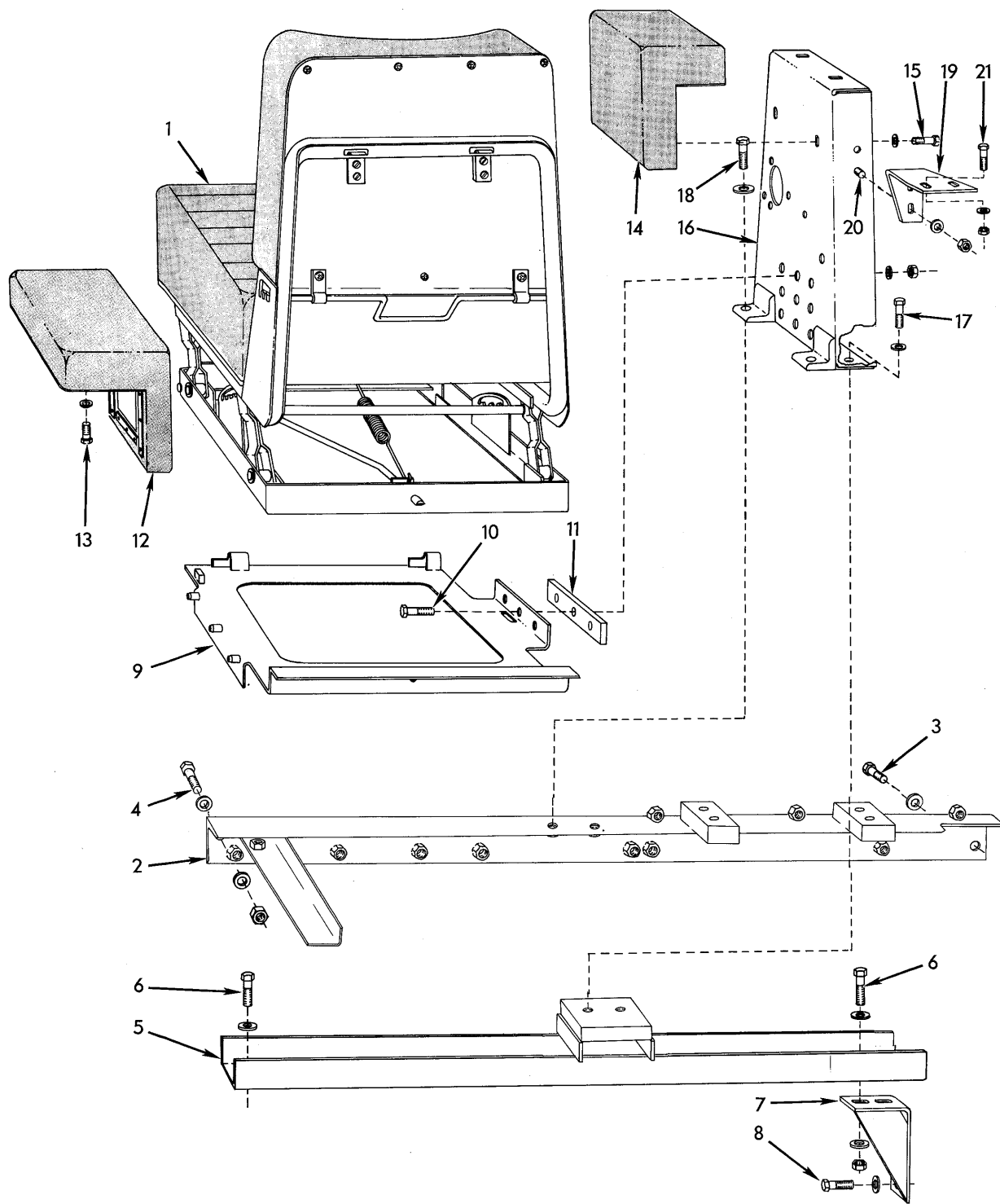
ITEM	PARTNO.	QTY.	DESCRIPTION
1	70643844	1	DRAWBAR
2	70080669	1	PIN, hinge
3	70664793	1	BRACKET, rear
	70625383	2	CAPSCREW, 1-1/2"NF x 4"
	70913077	2	LOCKWASHER, 1-1/2"
4	70050447	1	PLATE, hinge pin retaining
5	70913249	2	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	2	LOCKWASHER, 1/2"
	70910244	2	WASHER, plain,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

(Continued)

(Revised December 1974)

SWINGING DRAWBAR (Continued)

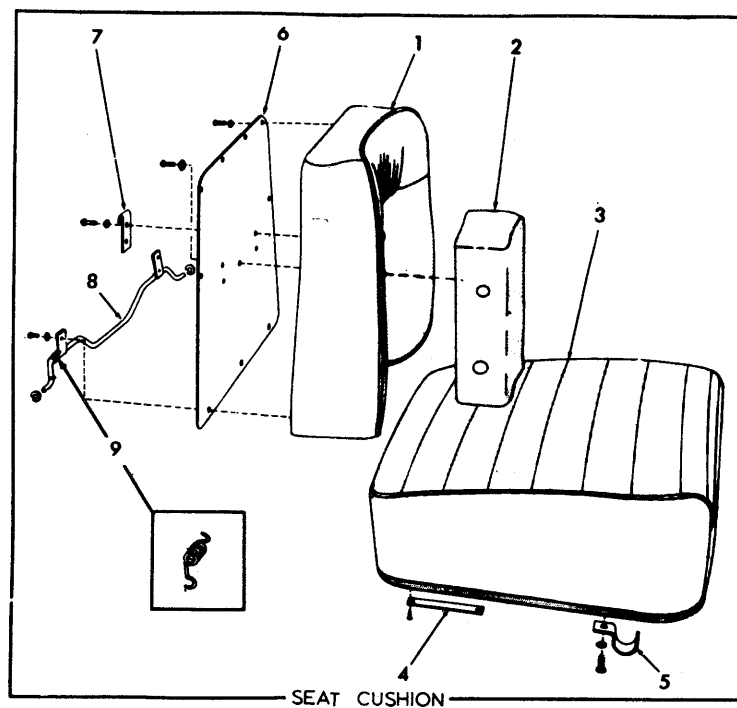
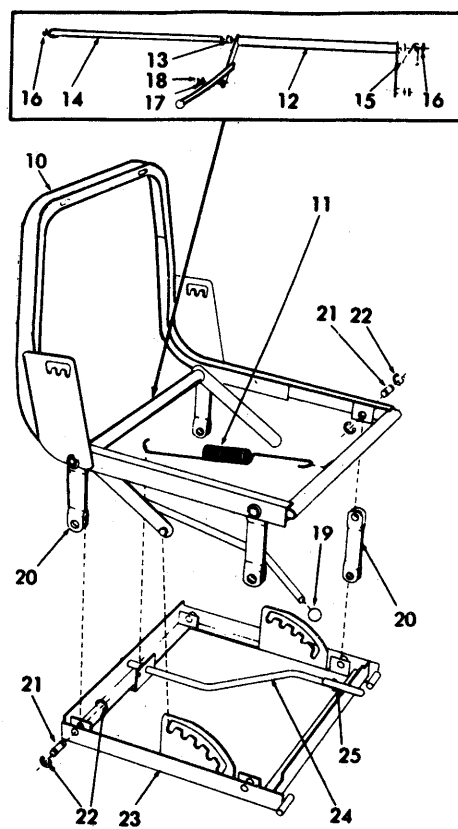
ITEM	PART NO.	QTY.	DESCRIPTION
6	0059010	1	PIN, drawbar locking
7	0059007	1	PIN, drawbar coupling
8	0051352	1	ARM, locking, drawbar pins
9	0078866	1	SHAFT, drawbar pin locking arm
10	0915504	1	PIN, spring, 5/16" x 1-3/4"
11	0643832	2	SHOE, wear
12	0648996	1	PLATE, supporting
13	0648954	4	CAPSCREW, 1-1/4"NF x 7-1/2"
14	0028847	4	NUT, high, 1-1/4"NF
15	0648997	1	BRACKET, supporting plate, left
16	0053251	3	CAPSCREW, 1-1/4"NF x 4-1/2"
	0904210	3	LOCKWASHER, 1-1/4"
17	0648998	1	BRACKET, supporting plate, right
18	0053251	3	CAPSCREW, 1-1/4"NF x 4-1/2"
	0904210	3	LOCKWASHER, 1-1/4"
19	0648943	2	BLOCK, drawbar stop



SEAT

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	SEAT ASSY. (See pages 203, 203A, 203D and 203E)
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, plain
5	70664819	1	CHANNEL, seat supporting, rear
6	70920585	3	CAPSCREW, 1/2"NC x 1-3/4"
	70677008	5	WASHER, plain
	70911028	2	NUT, 1/2"NC
7	70660680	1	BRACKET, channel supporting
8	70921556	2	CAPSCREW, 1/2"NC x 2"
	70677008	2	WASHER, plain
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, plain
	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, plain }
14	70632188	1	CUSHION, arm rest, right side
15	70927008	4	CAPSCREW, 3/8"NF x 1" } Plated
	70920743	4	WASHER, plain }
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, plain
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, plain
	70911026	4	NUT, 3/8"NC
22	70680080	1	BELT, safety (Special equipment. Not illustrated)(Used on units prior to approximately September 1979. See page 203D for later units)

(Revised September 1980)



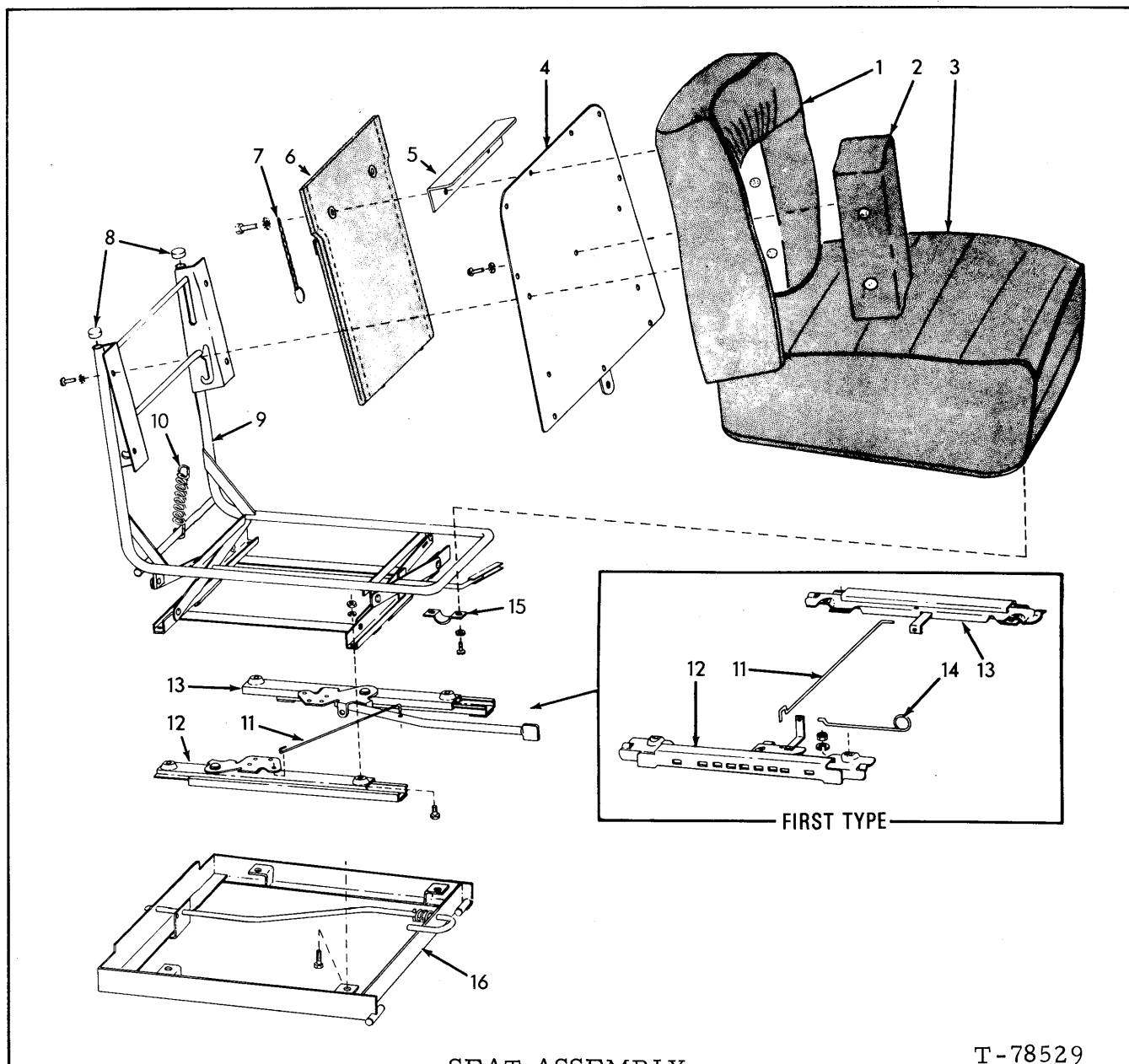
SEAT ASSEMBLY

T-71877

SEAT ASSEMBLY

USAGE: See page 200. Tractors prior to S/N 17A14285.

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 201. Tractor S/N 17A14285 and up thru approximately August 1979. Also see page 203C for later design.

* Original Equipment

** Service Replacement (First type)

*** Service Replacement (Second type)

ITEM	PART NO.	QUANTITY			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)
-	73113527	-	-	1	SEAT ASSY. (Includes items 1 thru 13 and 15)
1	70694306	1	1	1	CUSHION
	70916532	8	6	-	SCREW, machine rd. -hd., 1/4"NC x 3/4"
	70921615	-	-	6	SCREW, button-hd., hex - skt., 1/4"NC x 3/4"
	70914105	8	8	8	LOCKWASHER, ext. -tooth, 1/4"

(Continued)

(Revised April 1980)

SEAT ASSEMBLY (Continued)

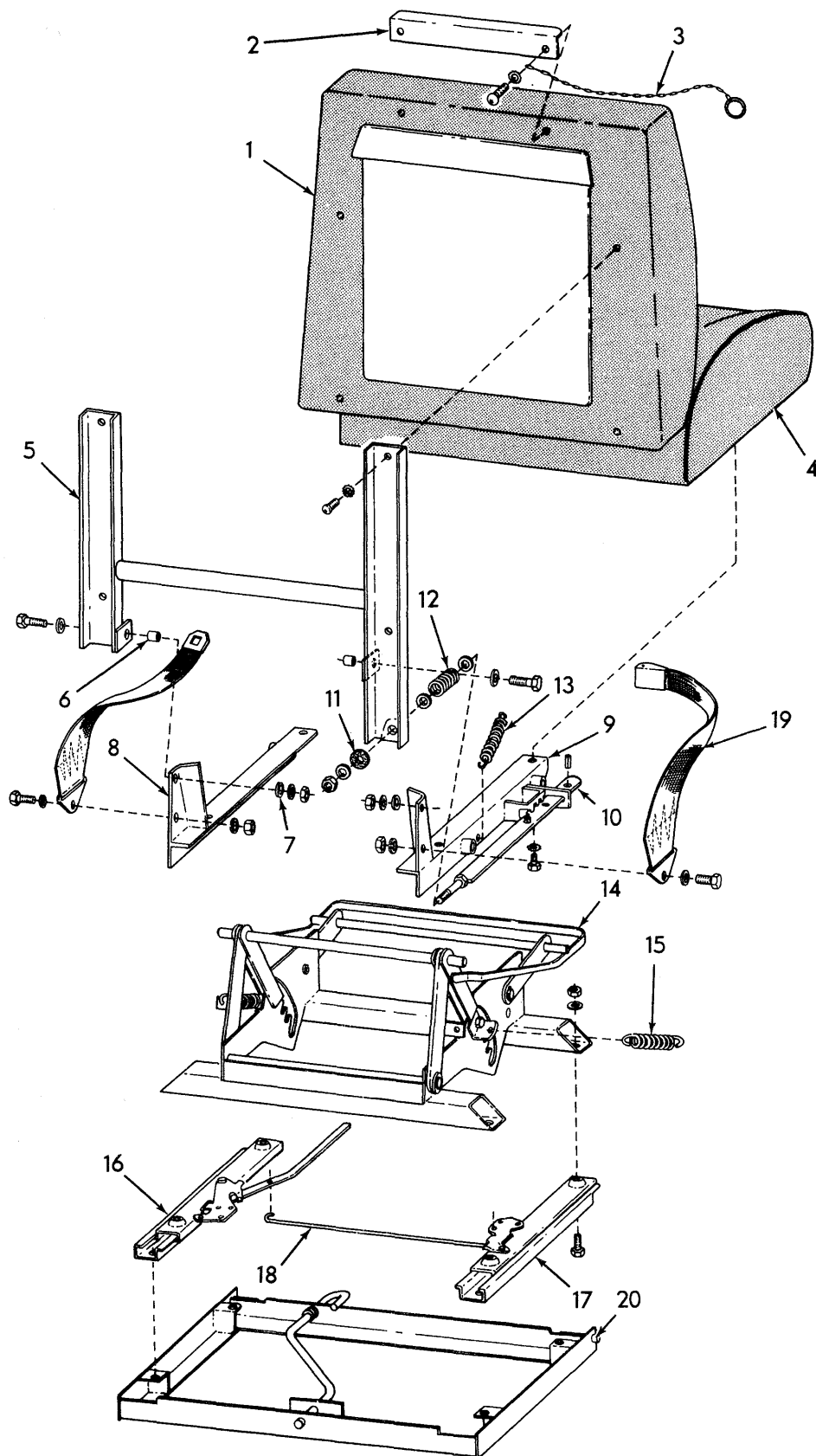
ITEM	PART NO.	QUANTITY			DESCRIPTION
		*	**	***	
2	70694303	1	1	1	CUSHION
	70916532	2	2	-	SCREW, machine, rd.-hd., 1/4"NC x 3/4"
	70921615	-	-	2	SCREW, button-hd., hex-skt., 1/4"NC x 3/4"
	70914105	2	2	2	LOCKWASHER, ext.-tooth, 1/4"
3	70694307	1	1	1	CUSHION
4	70694785	1	-	-	PLATE
	73108830	-	1	1	PLATE
	70916532	4	4	-	SCREW, machine, rd.-hd., 1/4"NC x 3/4"
	70921615	-	-	4	SCREW, button-hd., hex-skt., 1/4"NC x 3/4"
	70914105	4	4	4	LOCKWASHER, ext.-tooth, 1/4"
5	-----	-	1	1	ANGLE
6	-----	-	1	1	POUCH
	-----	-	2	2	CAPSCREW
7	-----	-	1	1	CHAIN ASSY.
8	70694784	2	2	2	CAP
9	70694305	1	1	-	FRAME ASSY. (Serviced only as a unit)
	70924433	4	4	-	NUT, lock, 5/16"NC
	73113740	-	-	1	FRAME ASSY. (Serviced only as a unit)
	70921566	-	-	4	CAPSCREW, 5/16"NC x 1"
	70900366	-	-	4	NUT, 5/16"NC
10	-----	-	1	1	SPRING (Not serviced separately)
11	70694781	1	1	-	ROD
	73113741	-	-	1	ROD
12	-----	1	1	1	SLIDE
13	-----	1	1	1	SLIDE
14	70694782	1	1	-	WIRE
15	70694783	2	4	4	BRACKET
	70916532	4	8	-	SCREW, machine rd.-hd., 1/4"NC x 3/4"
	70921615	-	-	8	SCREW, button-hd., hex-skt., 1/4"NC x 3/4"
	70914105	4	8	8	LOCKWASHER, ext.-tooth, 1/4"
16	70696162	1	1	1	BASE
	70921566	4	4	4	CAPSCREW, 5/16"NC x 1"
	70677005	4	4	4	WASHER
	70911025	4	4	4	NUT, 5/16"NC
17	70695868	1	1	-	SLIDE KIT
	73113745	-	-	1	SLIDE KIT
18	73109343	-	1	1	POUCH KIT (Includes items 5,6 and 7)

See item 18

Order item 17

Each includes items 12 and 13

(Revised April 1980)



SEAT ASSEMBLY

T-82491

203C

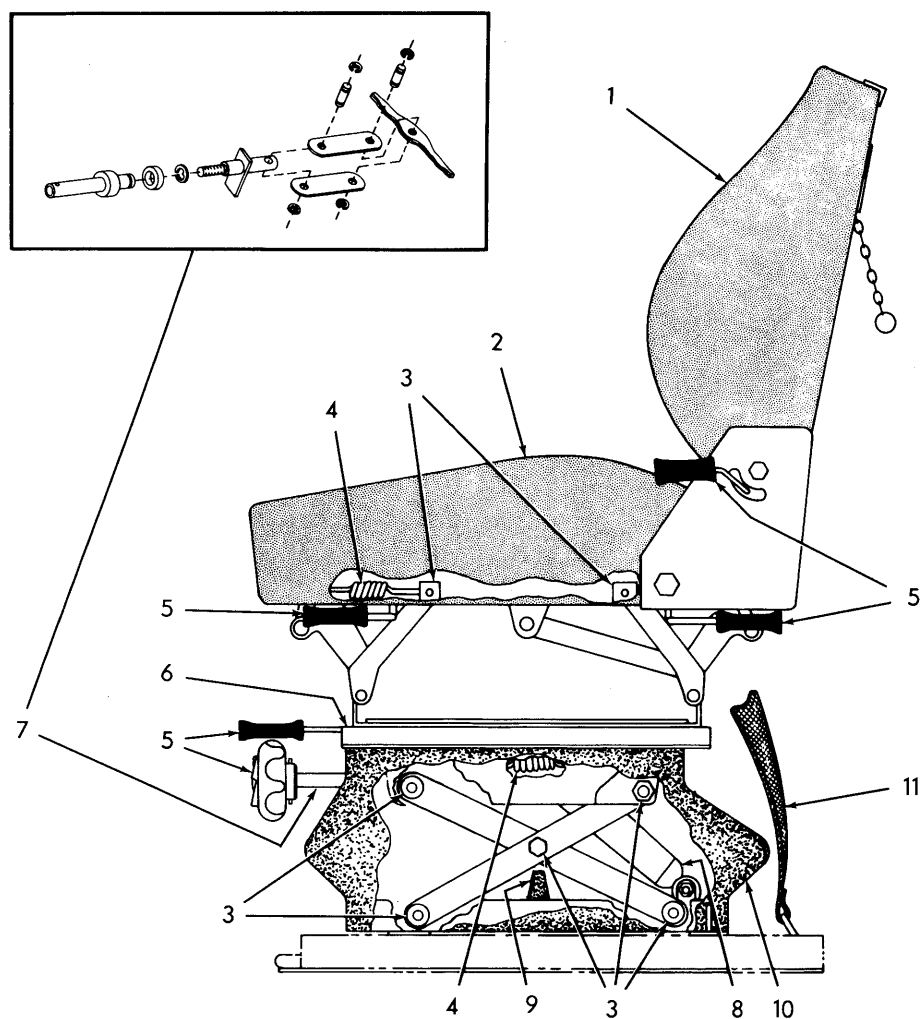
(Added April 1980)

SEAT ASSEMBLY

USAGE: See page 201. Effective approximately September 1979. Also see page 203A 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, 7/16" NF
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 } Order item 21
18	73118957	1	ROD
19	73118967	1	BELT, safety
	70927158	2	CAPSCREW, 1/2" NF x 1"
	70911414	2	WASHER
	70921441	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 201

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)

(Added September 1980)

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 transfers listed below are English language printings unless otherwise indicated.

- | | | | |
|---|----------|---|--|
| 4 | 70666267 | 1 | PLATE, lubrication and service guide (7" x 10")
(Tractors prior to unit #12132)(See NOTE below) |
| | 70680338 | 1 | PLATE, lubrication and service guide (7" x 10")
(Tractor unit #12132 thru #14064)(See NOTE below) |
| | 70696735 | 1 | PLATE, lubrication and service guide (7" x 10")
(Tractor unit #14065 and up)(See NOTE below) |
| | 70666268 | 1 | PLATE, lubrication and service guide (Multi-language)
(7" x 12-7/8")(Tractors prior to unit #12132)
(See NOTE below) |
| | 70680440 | | PLATE, lubrication and service guide (Multi-language)
(7" x 12-7/8")(Tractor unit #12132 and up)(See NOTE below) |
| | 70697552 | 1 | PLATE, lubrication and service guide (7" x 10")
(Spanish translation)(See NOTE below) |
| | 70697553 | 1 | PLATE, lubrication and service guide (7" x 10")
(Portuguese translation)(See NOTE below) |
| | 70697554 | 1 | PLATE, lubrication and service guide (7" x 10")
(French translation)(See NOTE below) |
| | 70698936 | 1 | PLATE, lubrication and service guide (7" x 10")
(Italian translation)(See NOTE below) |
| | 70699016 | 1 | PLATE, lubrication and service guide (7" x 10")
(German translation)(See NOTE below) |
| | 70034076 | 4 | SCREW, thd-cutting, cross-recessed hd.,
#8 x 1/2" (2 additional used on multi-language plates) |

NOTE: Attaches to front of Battery Box

- | | | | |
|---|----------|---|---|
| 5 | 70697648 | 1 | PLATE, operator warning (2-1/4" x 4-1/2")(See NOTE below) |
| | 70697963 | 1 | PLATE, operator warning (2-1/4" x 4-1/2")(Spanish translation)(See NOTE below) |
| | 70697964 | 1 | PLATE, operator warning (2-1/4" x 4-1/2")(Portuguese translation)(See NOTE below) |
| | 70697965 | 1 | PLATE, operator warning (2-1/4" x 4-1/2")(French translation)(See NOTE below) |
| | 70698053 | 1 | PLATE, operator warning (2-1/4" x 4-1/2")(Italian translation)(See NOTE below) |
| | 70698054 | 1 | PLATE, operator warning (2-1/4" x 4-1/2")(German translation)(See NOTE below) |
| | 70034076 | 4 | SCREW, thd-cutting, cross-recessed-hd., #8 x 1/2" |

NOTE: Attaches to top of steering lever housing
(Continued)

(Revised July 1976)

PAINTING AND MARKING (Continued)
(Not Illustrated)

ITEM	PART NO.	QTY.	DESCRIPTION
6	70621357	1	TRANSFER, lubrication certification (3-7/8" x 6-3/4") (Applied to left side of steering lever housing)
7	70650587	1	☐ TRANSFER, turbocharger altitude warning (1-3/4" x 3-1/2") (Applied to top of steering lever housing)
8	70659539	1	TRANSFER, warning, by-pass oil filter (Includes Portuguese translation) (2" x 10") (Applied to filter)
	70659538	1	TRANSFER, warning, by-pass oil filter (French and Spanish translations) (2" x 10") (Applied to filter)
9	70682968	1	TRANSFER, seat belt warning (2" x 3") (Applied to rear of cowl on tractors equipped with ROPS)
10	70621358	1	TRANSFER, patent plate (3-1/2" x 5-1/2") (Applied to left side of steering lever housing)
11	70666497	1	TRANSFER, instruction, engine operation (2-1/4" x 4-1/2") (Applied to top of steering lever housing) (Tractors prior to unit #12677)
	70688188	1	☐ TRANSFER, instruction, engine operation (3-7/8" x 6") (Applied to left side of steering lever housing) (Tractors unit #12677 and up)
12	70677914	2	☐ TRANSFER, instruction, fuel filter (2-1/4" x 3-1/4") (Applied to filter)
13	70621343	2	☐ TRANSFER, instruction, oil filter (2-5/16" x 3-1/4") (Applied to engine oil filter)
14	70632226	1	TRANSFER, instruction, steering pressure line oil filter (1-3/4" x 2-1/4") (Applied to filter) (Tractors prior to unit #12652)
	70685142	1	TRANSFER, instruction, steering pressure line oil filter (1-3/4" x 2-1/4") (Applied to filter) (Tractor unit #12652 thru #14064)
	70695034	1	TRANSFER, instruction, steering pressure line oil filter (1-3/4" x 2-1/4") (Applied to filter) (Tractor unit #14065 and up)
15	70621342	1	☐ TRANSFER, instruction, engine primer (1-3/4" x 6") (Applied to dash)
16	70672642	1	☐ TRANSFER, instruction, air cleaner (3" x 5") (Applied to top of air cleaner)
17	70669933	1	TRANSFER, instruction, coolant filter (2-3/8" x 3-1/2") (Applied to filter) (Tractors prior to unit #12652; also unit #14065 and up)
	70685140	1	☐ TRANSFER, instruction, coolant filter (2-3/8" x 3-1/2") (Applied to filter) (Tractors unit #12652 thru #14064)
18	70059698	1	TRANSFER, gear shift position (2-5/8" x 3-1/2") (Applied to rear of cowl)
19	70681841	1	☐ TRANSFER, oil filter, hydraulic (6" x 8") (Applied to side of hydraulic tank) (Tractor unit #12651 thru #14064)
	70667810	1	TRANSFER, oil filter, hydraulic (6" x 8") (Applied to side of hydraulic tank) (Tractor unit #14065 and up)
20	70661226	3	TRANSFER, "HD-16" (Applied to side of battery box, rear of fuel tank and side of hydraulic tank or tool box)
21	70666405	3	TRANSFER, "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)
22	70694453	2	TRANSFER, "16-B" (6" x 16-5/8") (Applied to rear of hydraulic tank or tool box and side of battery box)

(Continued)

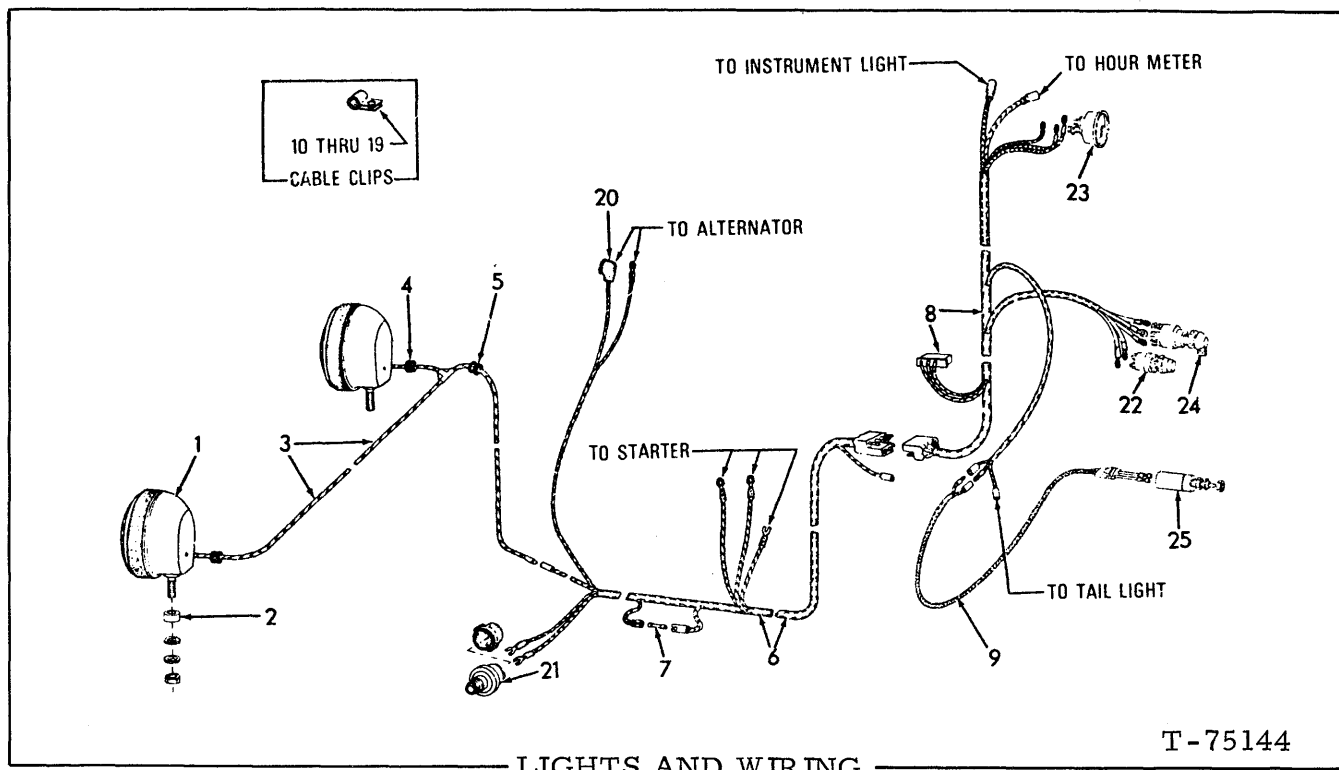
PAINTING AND MARKING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
23	70924550	3	TRANSFER, "ALLIS-CHALMERS" (1-7/8" x 30") (Applied to sides of hood and front of radiator guard)
24	70924554	1	TRANSFER, "ALLIS-CHALMERS" (3-1/16" x 50") (Applied to rear of fuel tank)
25	70924552	1	TRANSFER, "ALLIS-CHALMERS" (2-3/8" x 39") (Applied to rear guard 70686248)
26	70924320	1	TRANSFER, "A-C" trademark (6-3/4" black and orange)
	70924541	1	TRANSFER, "A-C" trademark (6-3/4", white) (Optional)
27	70924306	2	TRANSFER, "A-C" trademark (7-3/4" black and orange)
	70924463	2	TRANSFER, "A-C" trademark (7-3/4" white)(Optional)
	70694424	2	☐ TRANSFER, "F-A" trademark (8")
28	70694425	1	☐ TRANSFER, "F-A" trademark (9-1/2" x 10-3/4") (Applied to right canopy bracket)(For units equipped with RIPPER)
29	70694795	1	TRANSFER, ROPS (2-1/2" x 6")(Applied to rear side of top rear cross tube of ROPS frame)
30	70694436	1	☐ TRANSFER, "FIAT-ALLIS" (3" x 19-1/4", black) (Applied to front of radiator guard)
31	70697242	1	☐ TRANSFER, "FIAT-ALLIS" (4-1/2" x 29", black) (Applied to rear of fuel tank)(Not used with RIPPER)
32	70694437	2	☐ TRANSFER, "FIAT-ALLIS" (3-1/2" x 22-1/2")(Applied to each side of hood)
33	70695338	1	KIT, transfer (Includes items 7, 9 thru 17, 19, 22, 27, 28 and 30 thru 33)

Applied to rear of fuel tank

Applied to sides of radiator guards

☐ Components of item 33



△ Units with standard 20 amp. alternator
 △△ Units with optional 50 amp. alternator

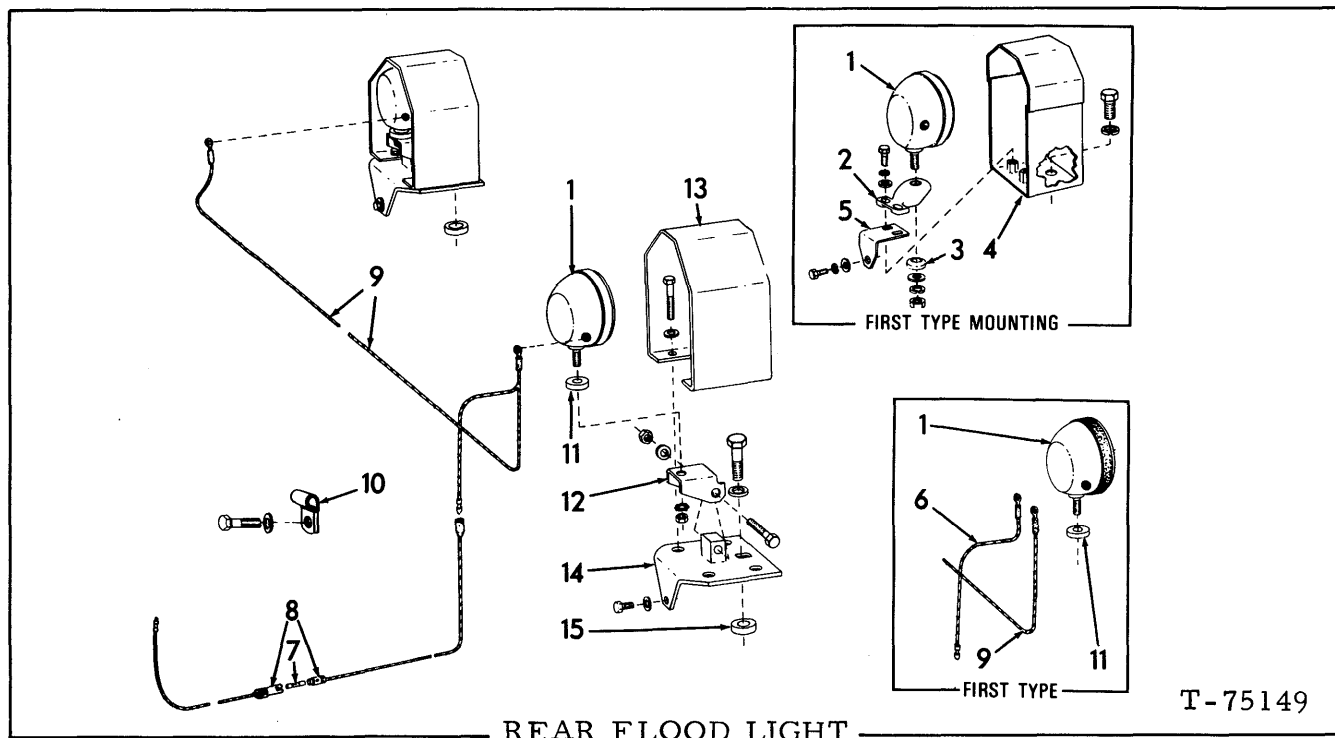
ITEM	PART NO.	QTY.	DESCRIPTION
		△ △△	
1	-----	2 2	*LIGHT ASSY. (See page 211)
	70910210	2 2	LOCKWASHER, ext-tooth, 1/2"
	70904208	2 2	LOCKWASHER, 1/2"
	70911043	2 2	NUT, 1/2" NF
2	70064531	2 2	*SPACER
3	70667145	1 1	*CABLE
4	70087855	2 2	*GROMMET, head light cable (1" diam.)(Tractors prior to #13264)
	70696335	2 2	*GROMMET, head light cable (1-1/4"diam.)(Tractor unit #13264 and up)
5	70083987	1 1	*GROMMET (small)
6	70667626	1 -	HARNESS, front (Tractors prior to unit #12139)
	70682712	1 -	HARNESS, front (Tractors unit #12139 and up)
	70667572	- 1	HARNESS, front (Tractors prior to unit #12139)
	70683147	- 1	HARNESS, front (Tractors unit #12139 and up)
7	70208960	1 1	FUSE, cartridge type, 1/4" x 1-1/4", 20 amperes
8	70664959	1 -	HARNESS, intermediate (Tractors prior to unit #12139)
	70682711	1 -	HARNESS, intermediate (Tractors unit #12139 and up)
	70667571	- 1	HARNESS, intermediate (Tractors prior to unit #12139)
	70682705	- 1	HARNESS, intermediate (Tractors unit #12139 and up)
	70653645	- 1	HARNESS, front
	70667573	- 1	HARNESS, rear

} Includes item 7

LIGHTS AND WIRING (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		Δ	ΔΔ	
9	70670318	1	1	HARNESS, wiring, rear section
10	70639388	9	9	* CLIP, head light cables (1/8" diam., 13/32" bolt-hole)
	70922300	4	4	CAPSCREW, 3/8" NC x 3/4"
	70677006	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	2	1	CAPSCREW, 3/8" NC x 7/8"
	70677006	2	1	WASHER, plain
12	70644006	-	1	CLIP, front wiring harness (9/16" diam., 17/32" bolt-hole)
	70921175	-	1	CAPSCREW, 1/2" NC x 1"
	70928188	-	1	WASHER, plain
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	2	-	CAPSCREW, 3/8" NC x 7/8"
	70677006	2	-	WASHER, plain
15	70927384	1	-	CLIP, front wiring harness (3/8" diam., 17/32" bolt-hole)
	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	1	-	CAPSCREW, 3/8" NC x 7/8"
	70677006	1	-	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., 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
	70910285	-	1	LOCKWASHER, 1/4"
	70911024	-	1	NUT, 1/4" NC
19	70659422	1	-	CLIP, wiring harness (3/8" diam., 17/32" bolt-hole)
20	70667579	1	1	BOOT, protecting, alternator terminal
21	70660694	1	1	SWITCH, pressure alternator cut-off
	70632706	1	1	BOOT, protecting, pressure switch
22	-----	-	-	SWITCH, starter (See INSTRUMENTS)
23	-----	-	-	AMMETER (See INSTRUMENTS)
24	-----	-	-	SWITCH, lights (See INSTRUMENTS)
25	70631844	1	1	SWITCH, safety

* Special Equipment



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

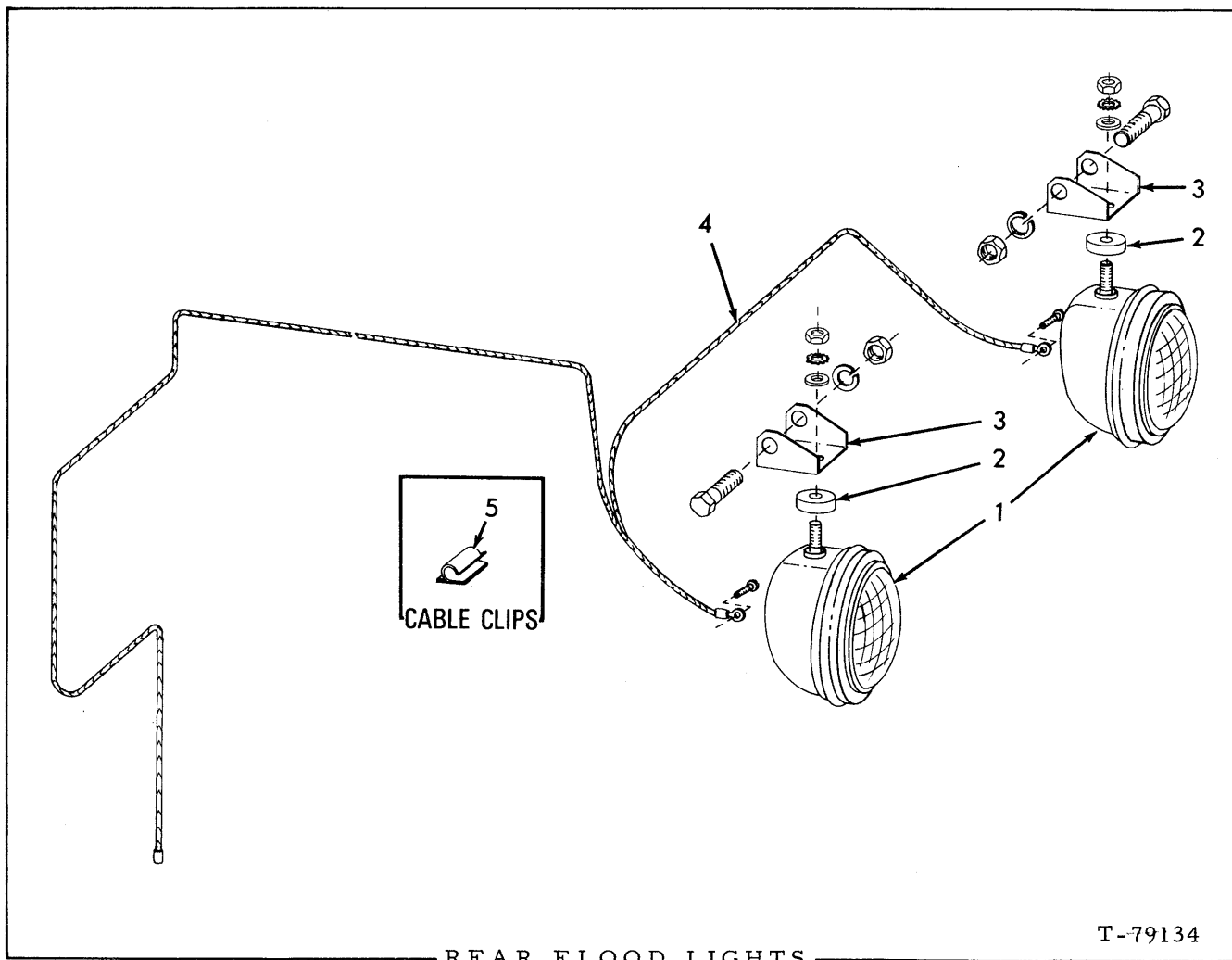
ITEM	PART NO.	QTY.	DESCRIPTION	
1	-----	2	LIGHT ASSY. (See page 237)	
	70910210	2	LOCKWASHER, ext.-tooth, 1/2"	
	70911043	2	NUT, 1/2"NF	
2	70075429	2	BRACKET, mounting	} First type mounting
	70916272	4	CAPSCREW, 3/8"NC x 1-1/4"	
	70904206	4	LOCKWASHER, 3/8"	
	70044973	4	WASHER, plain	
3	70075535	2	WASHER, 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 amp.)	
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, plain	
11	70061528	2	BOSS (Second type mounting)	

(Continued)

(Revised July 1978)

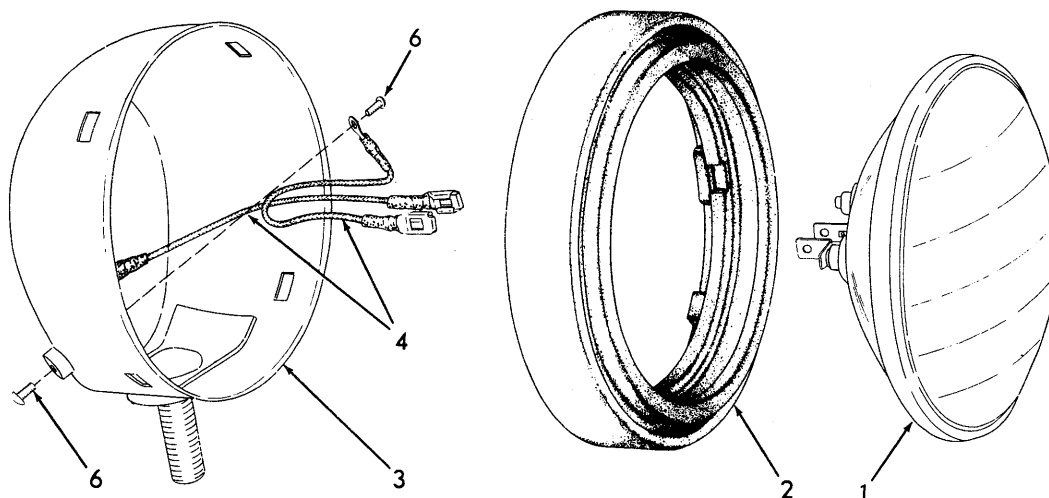
REAR FLOOD LIGHT (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION	
12	70076140	2	BRACKET, mounting	} Second type 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, plain	
	70921068	2	CAPSCREW, 3/4"NC x 2-1/4"	
	70677012	2	WASHER, plain	
15	70635831	2	BLOCK, spacing	



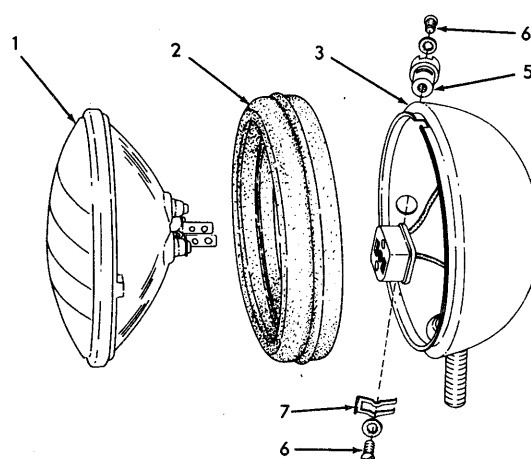
USAGE: Special equipment (Units with ROPS Cab or Canopy)

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	2	LIGHT ASSY., (See page 211)
	70911043	2	NUT, 1/2"NF
	70910210	2	LOCKWASHER, 1/2"
	70677008	2	WASHER, plain (Two additional used on late units)
2	70061528	2	BOSS
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)



Design "A"

T-27390



Design "B"

T-38214

LIGHT ASSEMBLY

USAGE: See page 210

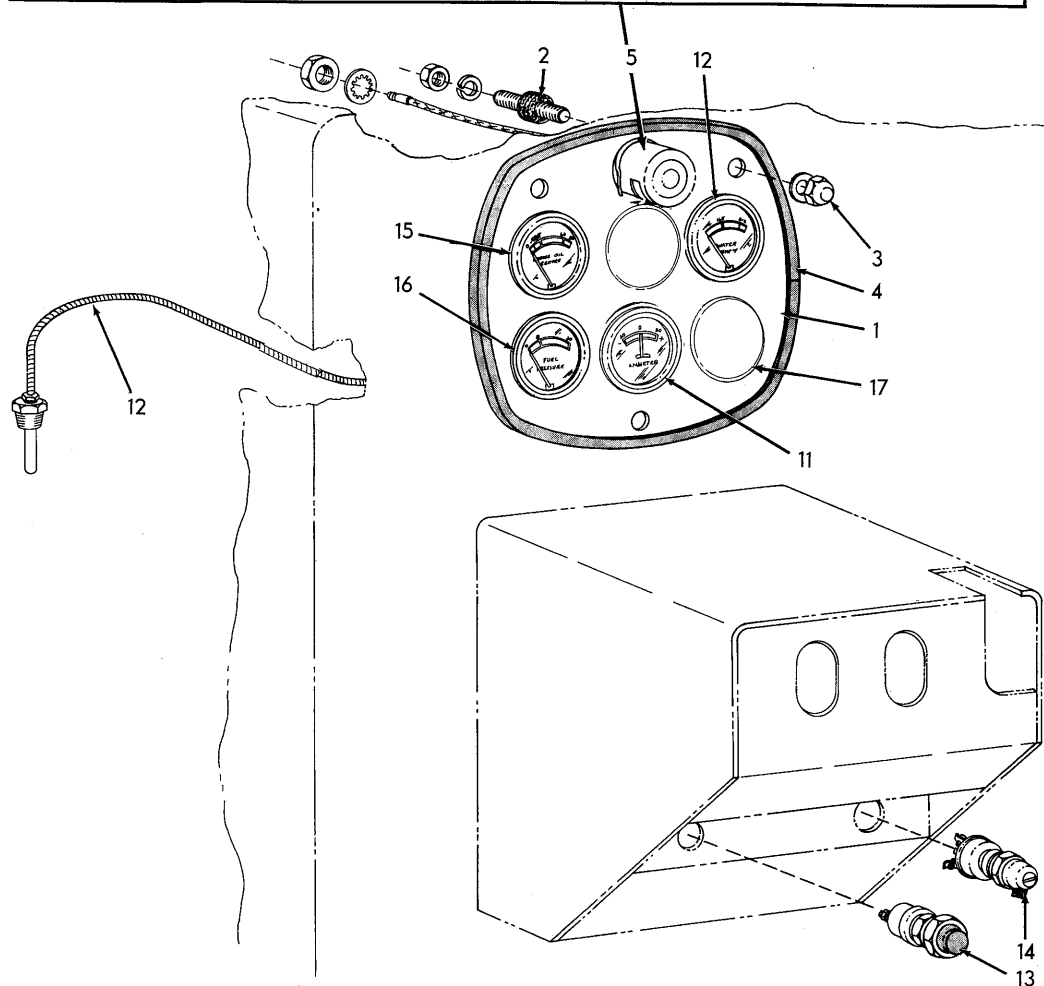
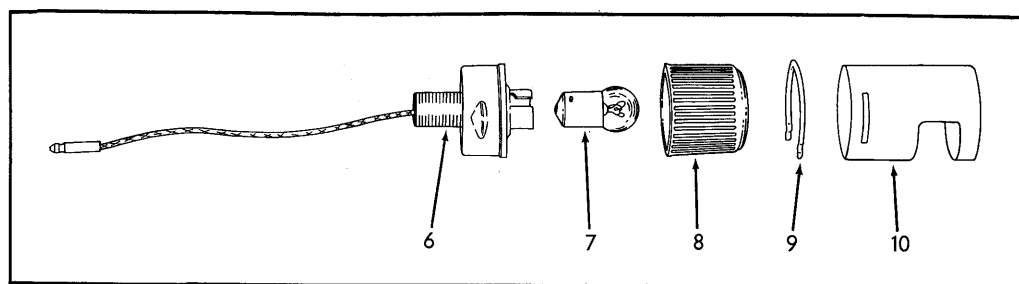
*Design "A"
**Design "B"

ITEM	PART NO.	QTY.	DESCREPTION
		* **	

NOTE: This Light Assy. 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, machine, rd-hd., #8NC x 5/16"	
	70912739	-	2	LOCKWASHER, #8	
7	70048922	-	1	SPRING	

(Revised July 1978)



INSTRUMENTS

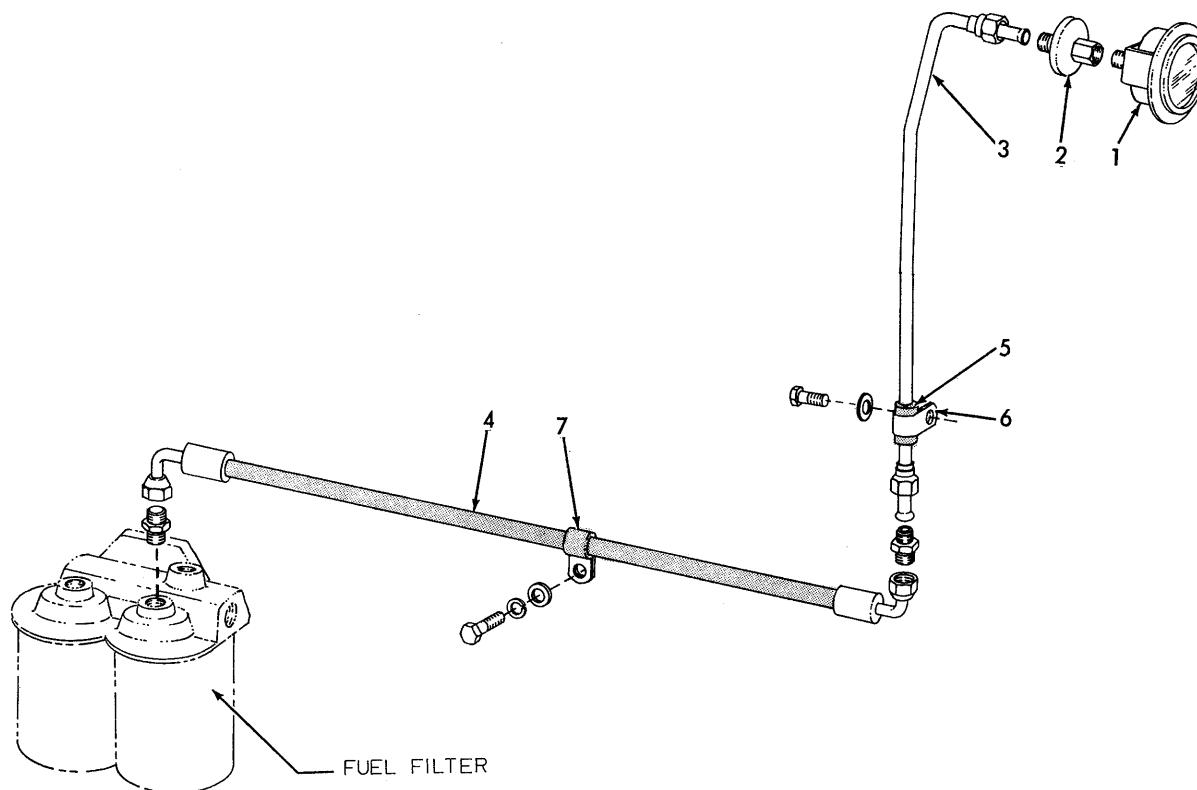
T-74647

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)

(Continued)

INSTRUMENTS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
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)
5	70693635	1	LIGHT ASSY., instrument panel (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, instrument light (single contact, 6 C.P., 24 volts)
	73115057	1	BULB, instrument light (single contact, 3 C.P., 24 volts)
8	70095267	1	LENS, instrument light (clear)
	73115058	1	LENS, instrument light (blue)
9	70095265	1	SPRING, retaining, instrument light cover
10	70693636	1	COVER, instrument light
11	70658348	1	AMMETER (30 amp. Includes mounting clamp) (Standard)
	70658534	1	AMMETER (80 amp. Includes mounting clamp) (Special equipment)
12	70658397	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	GAUGE, engine oil pressure (See page 215)
16	-----	1	GAUGE, fuel oil pressure (See page 214)(Tractor prior to unit #12561)
17	70921193	1	PLUG, button, 2-3/32" hole diam. (One less used tractors prior to unit #12651)

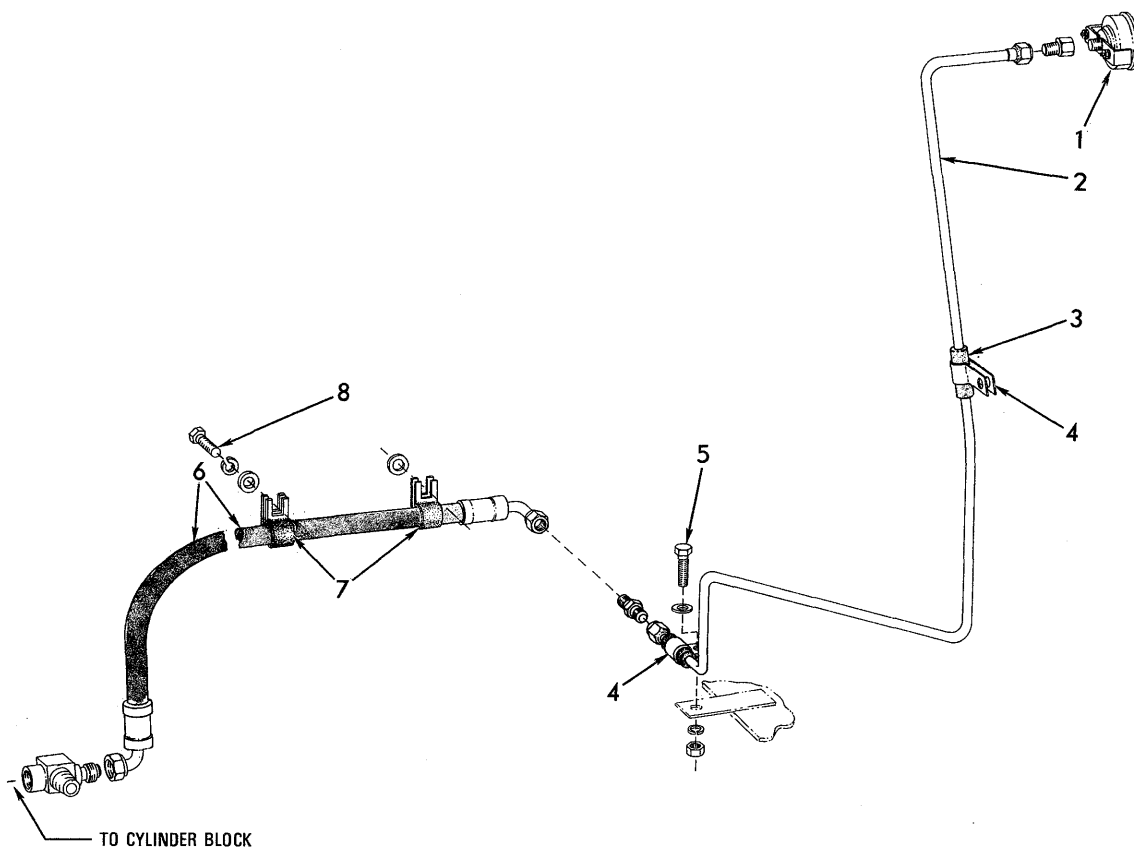


FUEL PRESSURE GAUGE

T-75877

USAGE: Tractors prior to serial No. 17A12651

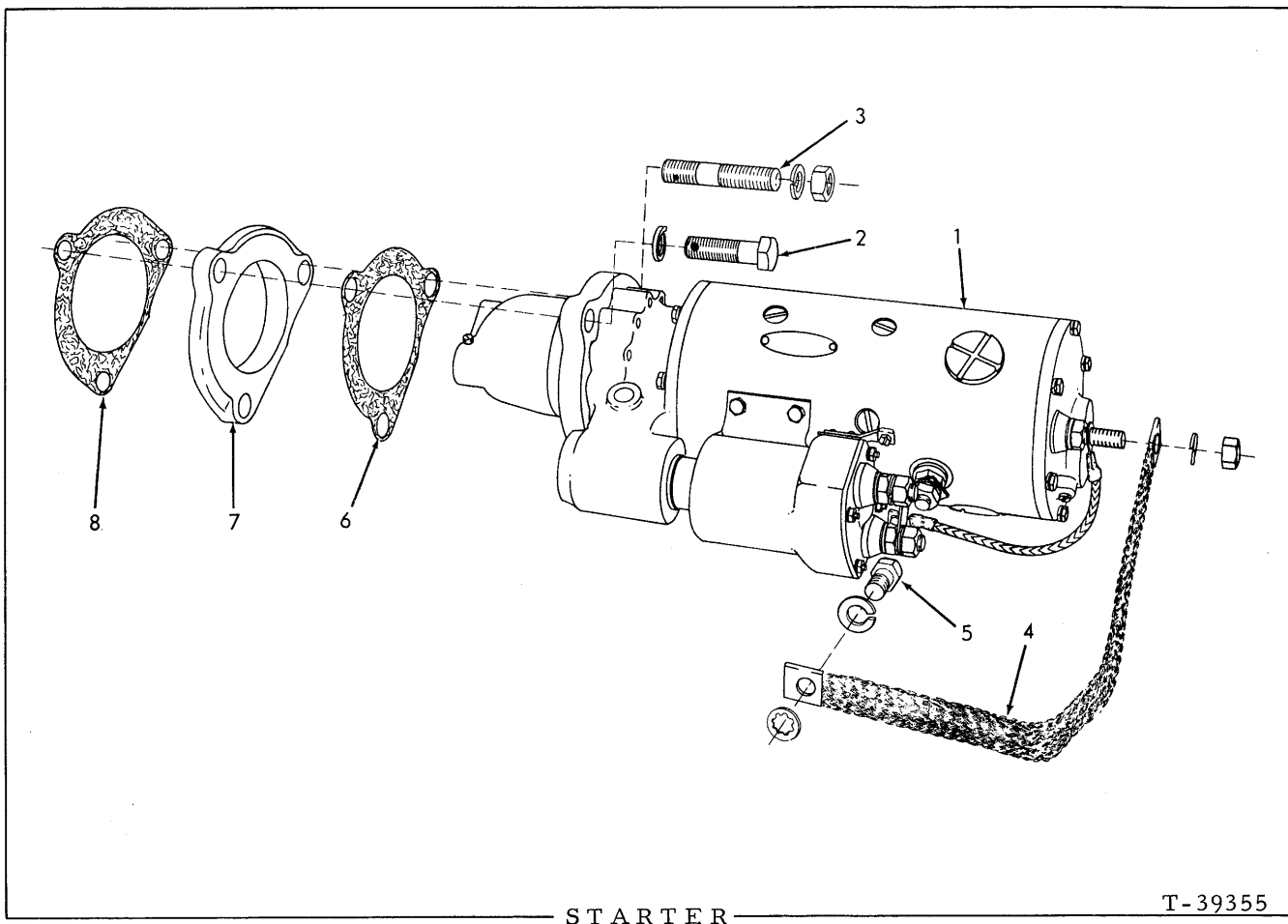
ITEM	PART NO.	QTY.	DESCRIPTION
1	70658349	1	GAUGE (Includes mounting clamp)
2	70088534	1	RESTRICTOR
3	70656940	1	TUBE ASSY. (Includes nuts)
	70919214	1	UNION, flare type, 1/4" tube
4	70658320	1	HOSE (See HOSE PARTS)(Tractors prior to unit #12094)
	70646910	1	HOSE (See HOSE PARTS)(Tractors unit #12094 thru #12650)
	70919171	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT female (Tractors prior to #12094)
	70926292	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT female (Tractors unit #12094 thru #12650)
5	70093972	1	BOOT, tube protecting (rubber)
6	70047381	1	CLIP, tube supporting
	70922300	1	CAPSCREW, 3/8"NC x 3/4"
	70677006	1	WASHER, plain
7	70620035	1	CLIP, hose supporting
	70677006	1	WASHER, plain



ENGINE OIL PRESSURE GAUGE

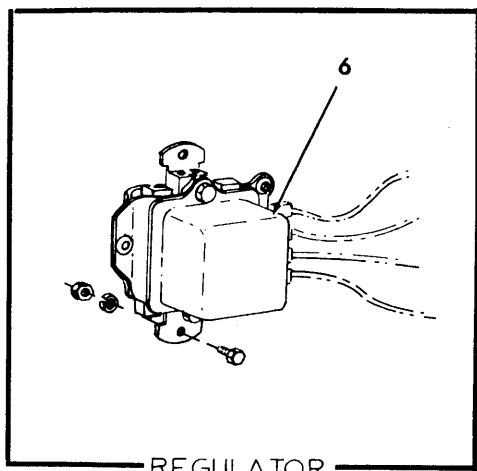
T-74648

ITEM	PART NO.	QTY.	DESCRIPTION
1	70658293	1	GAUGE, oil pressure (Includes mounting clamp)
2	70679563	1	TUBE ASSY., oil pressure gauge (Includes nuts)
	70919174	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT female
	70919214	1	UNION, flare type, 1/4" tube
3	70093972	2	BOOT, tube protecting (rubber)
4	70047381	2	CLIP, tube supporting (5/8" diam., 13/32" bolt-hole)
5	70922300	1	CAPSCREW, 3/8"NC x 3/4"
	70911115	1	WASHER, plain, SAE std., 3/8"
	70910287	1	LOCKWASHER, 3/8"
	70911026	1	NUT, 3/8"NC
6	70658321	1	HOSE, oil pressure line (See HOSE PARTS)
	70667995	1	TEE, pressure line hose
7	70620035	2	CLIP, hose supporting (1/2" diam., 13/32" bolt-hole)
8	70922300	1	CAPSCREW, 3/8"NC x 3/4"
	70911115	2	WASHER, plain, SAE std., 3/8"
	70910287	1	LOCKWASHER, 3/8"

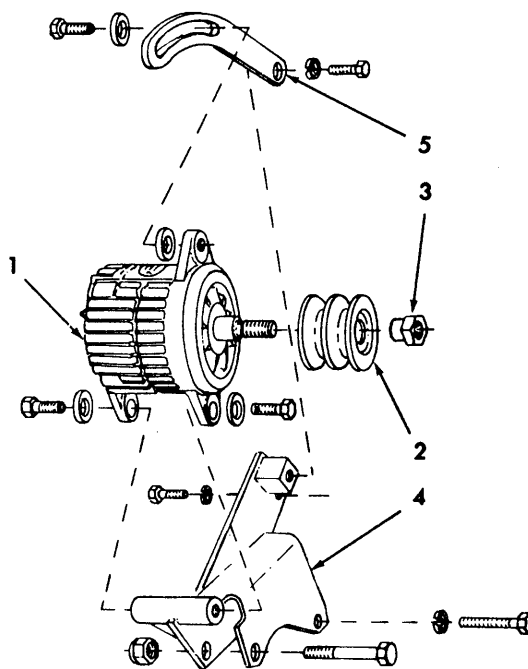


ITEM	PART NO.	QTY.	DESCRIPTION
1	73117237	1	MOTOR, starting ("Delco-Remy" #1113898)(Standard)
	70620350	1	MOTOR, starting ("Delco-Remy" #1109986)(Heavy-duty)
2	70928839	2	CAPSCREW, Nylok, 5/8"NC x 2-1/4"
3	70648262	1	STUD, Nylok, 5/8"NC x 5/8"NF x 3-1/8"
	70912942	3	LOCKWASHER, 5/8"
	70911044	1	NUT, 5/8"NF
4	70630199	1	STRAP, starter to ground
5	70927158	1	CAPSCREW, 1/2"NF x 1"
	70906961	1	LOCKWASHER, int-tooth, 1/2"
	70912441	1	LOCKWASHER, 1/2"
6	70631573	1	GASKET, starting motor
7	70631574	1	ADAPTER, starting motor
8	70631572	1	GASKET, starting motor adapter

(Revised September 1979)



REGULATOR



T-75818

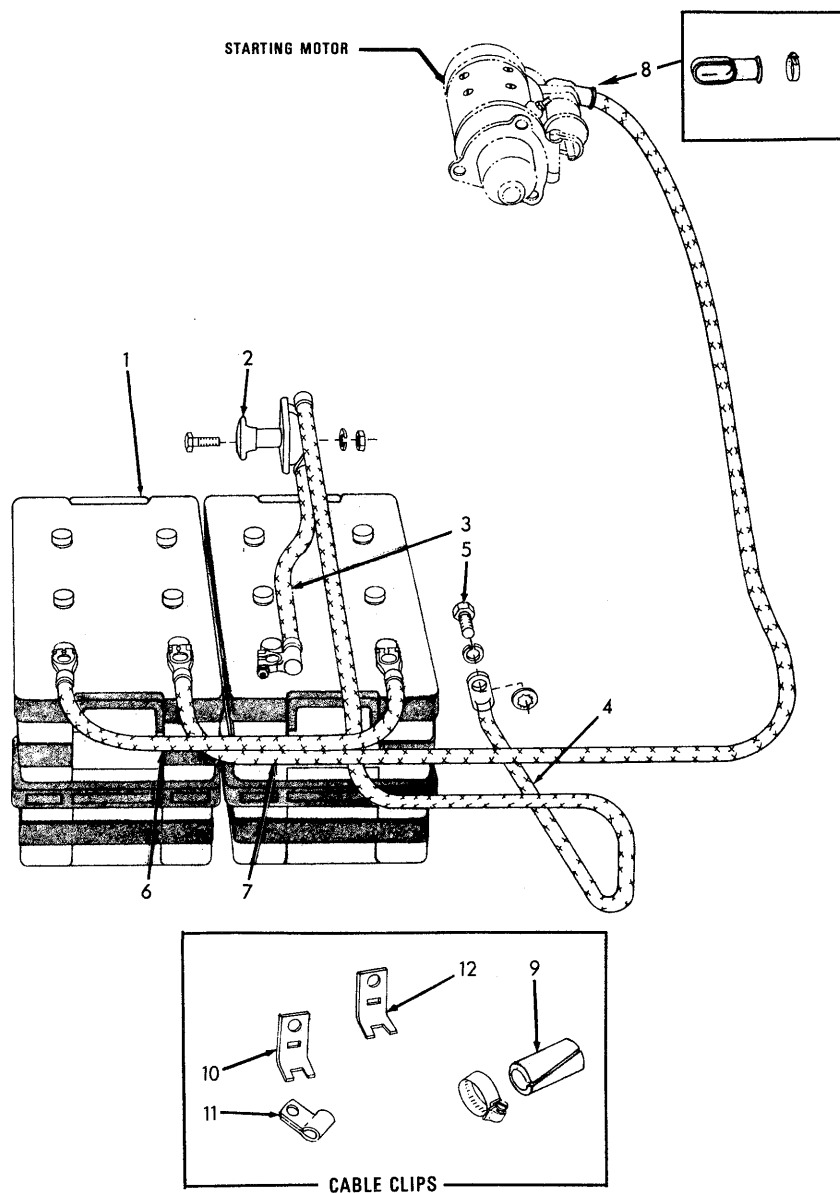
ALTERNATOR

*Standard (20 amp capacity)

**Optional (50 amp capacity)

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
1	70660144	1 -	ALTERNATOR ("Delco-Remy" #1100062)
	70662020	- 1	ALTERNATOR ("Delco-Remy" #1117236)
	70699268	- 1	ALTERNATOR ("Delco-Remy" #1117248)
	73119995	- 1	ALTERNATOR ("Delco-Remy" #1117254)
	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"
	70912441	1 1	LOCKWASHER, 1/2"
5	70667224	1 1	STRAP, belt adjustment
	70920582	2 2	CAPSCREW, 1/2"NC x 1-1/4"
	70912441	1 1	LOCKWASHER, 1/2"
	70910244	2 2	WASHER, plain, SAE std., 1/2"
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.



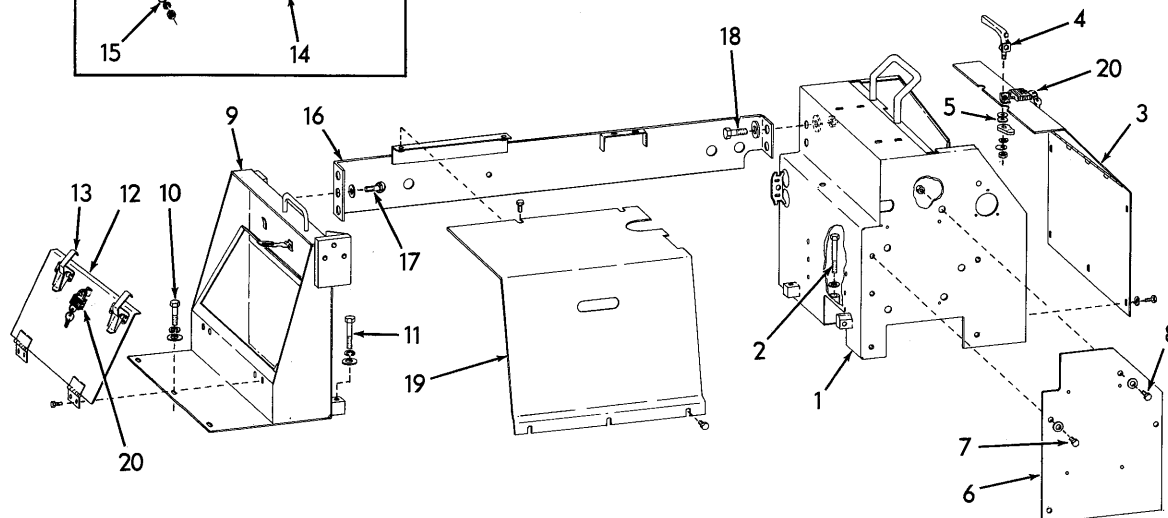
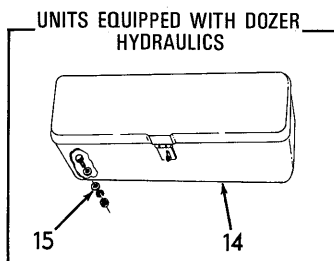
ITEM	PART NO.	QTY.	DESCRIPTION	
1	70695471	2	BATTERY, storage, 12 volts, dry-charged (Each requires 14qts. electrolyte)	
1A	70243526	1	ELECTROLYTE ("Z" pack - 6.1 quarts)	} Not illustrated
	70243527	1	ELECTROLYTE ("F" pack - 5 gallons)	
1B	70243528	1	HOSE, electrolyte dispensing (For use with 5 - gallon pack)	
2	79010713	1	SWITCH ASSY., master (Serviced only as a unit)	
	70927541	2	CAPSCREW, 1/4"NC x 3/4"	
	70910285	2	LOCKWASHER, 1/4"	
	70911024	2	NUT, 1/4"NC	

(Continued)

(Revised July 1976)

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"
	70910287	1	LOCKWASHER, 3/8"
	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, plain
12	70633653	5	CLIP, cable supporting



T-76418

BATTERY AND TOOL BOXES

ITEM PART NO. QTY. DESCRIPTION

NOTE: Tool Box items 9 thru 13, is not on units equipped with independent hydraulic system for dozer operation. See item 14 for tool box applicable to units equipped with dozer hydraulics.

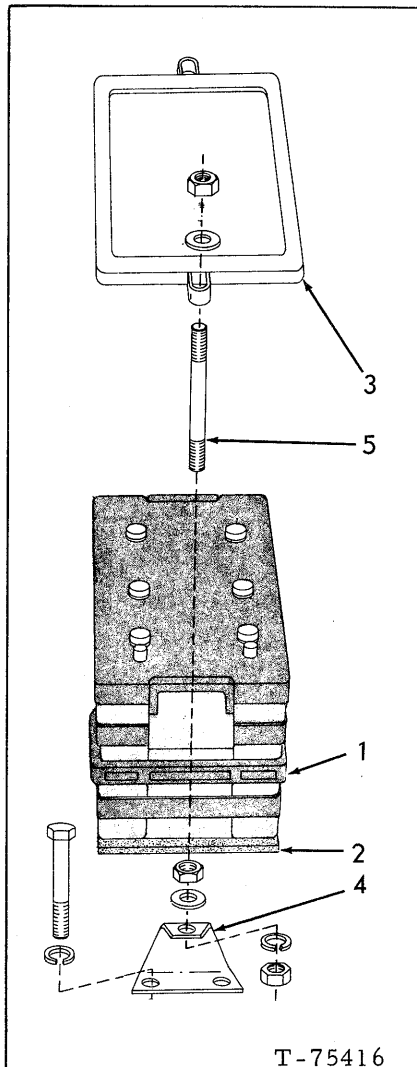
1	70658134	1	BOX, battery
2	70925889	3	CAPSCREW, 1/2"NC x 4-1/2"
	70677008	3	WASHER, plain
3	70666379	1	COVER, battery box (Tractors prior to unit #12866)
	70685919	1	COVER, battery box (Tractors unit #12866 and up)
	70922763	5	CAPSCREW, 3/8"NC x 1"
	70677006	5	WASHER, plain
4	70650901	1	LOCK ASSY., battery box cover (Serviced only as a unit)
5	70911115	2	WASHER, plain, SAE std., 3/8"
6	70662874	1	PLATE, closure
7	70922763	3	CAPSCREW, 3/8"NC x 1"
	70677006	3	WASHER, plain
8	70920583	1	CAPSCREW, 1/2"NC x 1-1/2"
	70677008	1	WASHER, plain
	70911028	1	NUT, 1/2"NC
9	70660670	1	BOX, tool
10	70915963	3	CAPSCREW, 5/8"NC x 2-1/4"
11	70916971	3	CAPSCREW, 5/8"NC x 3-1/4"
	70912942	6	LOCKWASHER, 5/8"
	70064810	6	WASHER, plain

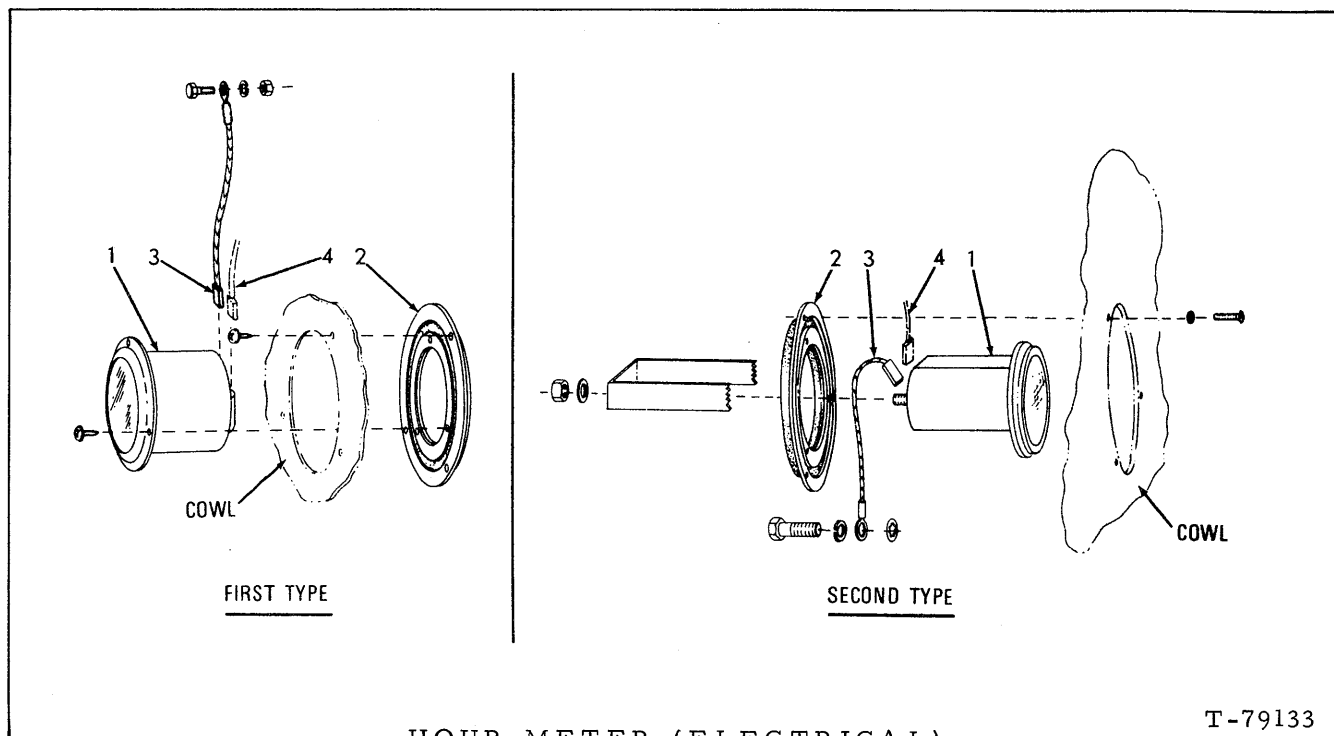
BATTERY AND TOOL BOXES (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
12	70643369	1	COVER ASSY., tool box (Includes item 13)
	70915408	4	CAPSCREW, 3/8"NC x 3/4"
	70910287	4	LOCKWASHER, 3/8"
	70911026	4	NUT, 3/8"NC
13	70639480	2	CLAMP, cover latching
	70911608	8	RIVET, button-head, 1/8" x 3/8"
14	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
15	70630753	4	WASHER, tool box spacing (Early units)
16	70662188	1	SUPPORT
17	70920574	3	CAPSCREW, 1/2"NC x 1-3/8"
	70682358	3	WASHER, plain
18	70921403	2	CAPSCREW, 5/8"NC x 2"
	70677010	4	WASHER, plain
	70911029	2	NUT, 5/8"NC
19	70665853	1	COVER, filter compartment (Not used on units equipped with dozer hydraulics)
	70648238	5	CAPSCREW, 1/2"NC x 3/4"
20	70928052	2	PADLOCK (Includes keys)

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"
	70912441	4	LOCKWASHER, 1/2"
5	70619814	4	STUD, hold-down
	70677008	8	WASHER, plain
	70912441	4	LOCKWASHER, 1/2"
	70911043	12	NUT, 1/2"NF





HOUR METER (ELECTRICAL)

T-79133

USAGE: Replaces mechanical hour meter

* Tractors serial No. 17A12124 thru 17A12926

** Tractors serial No. 17A12927 and up

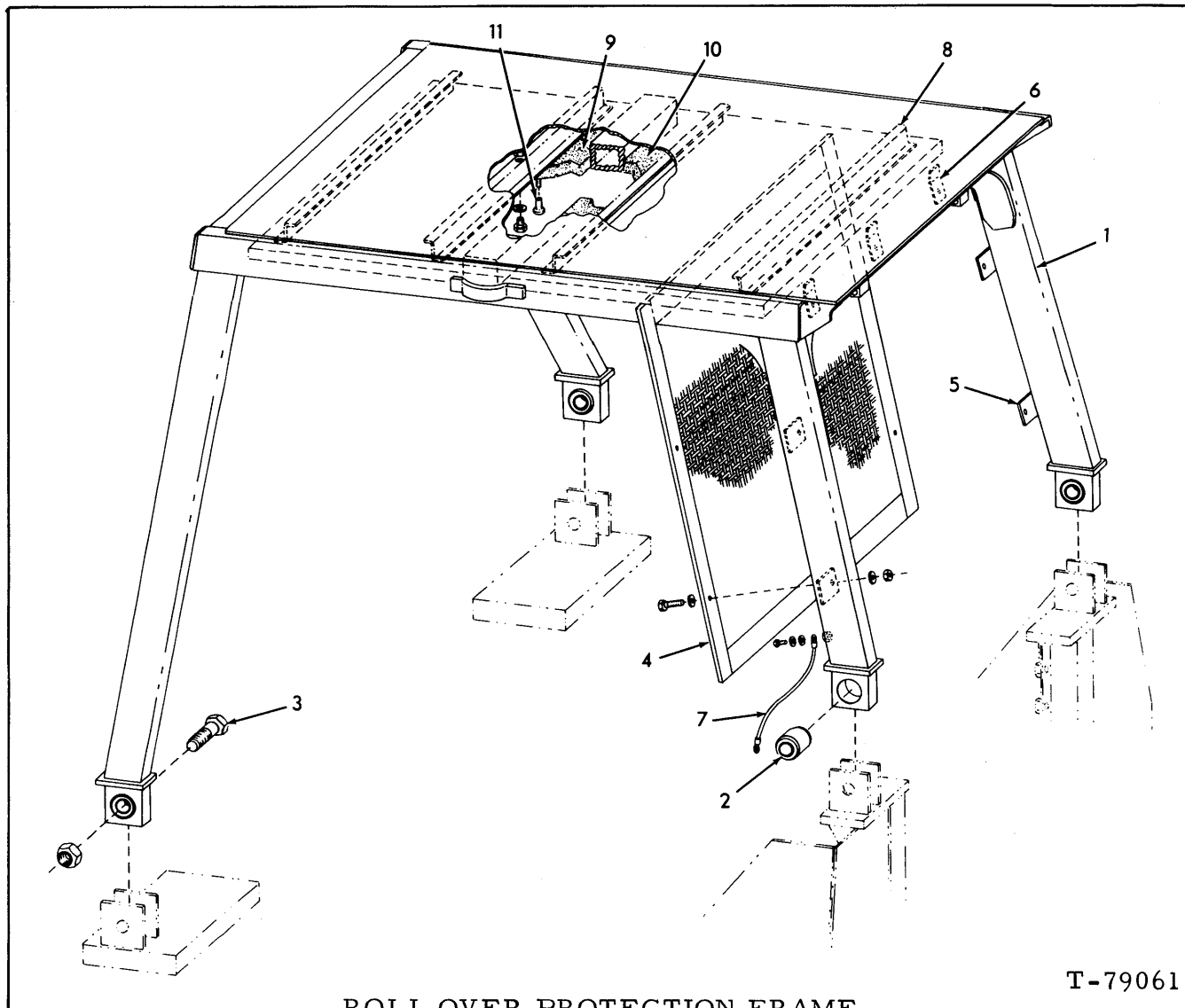
ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
1	70650299	1 -	METER
	70688997	- 1	METER (Tractors prior to unit #14647)
	70699126	- 1	METER (Tractor unit #14647 and up)
	70918210	3 -	SCREW, thread-cutting #6 x 1/2" (Includes lockwasher)

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, vibration
	70918210	3 3	SCREW, thread-cutting #6 x 1/2" (Includes lockwasher)
3	70630917	1 1	CABLE, meter-to-ground (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, intermediate section (See LIGHTS AND WIRING)

(Revised April 1976)



T-79061

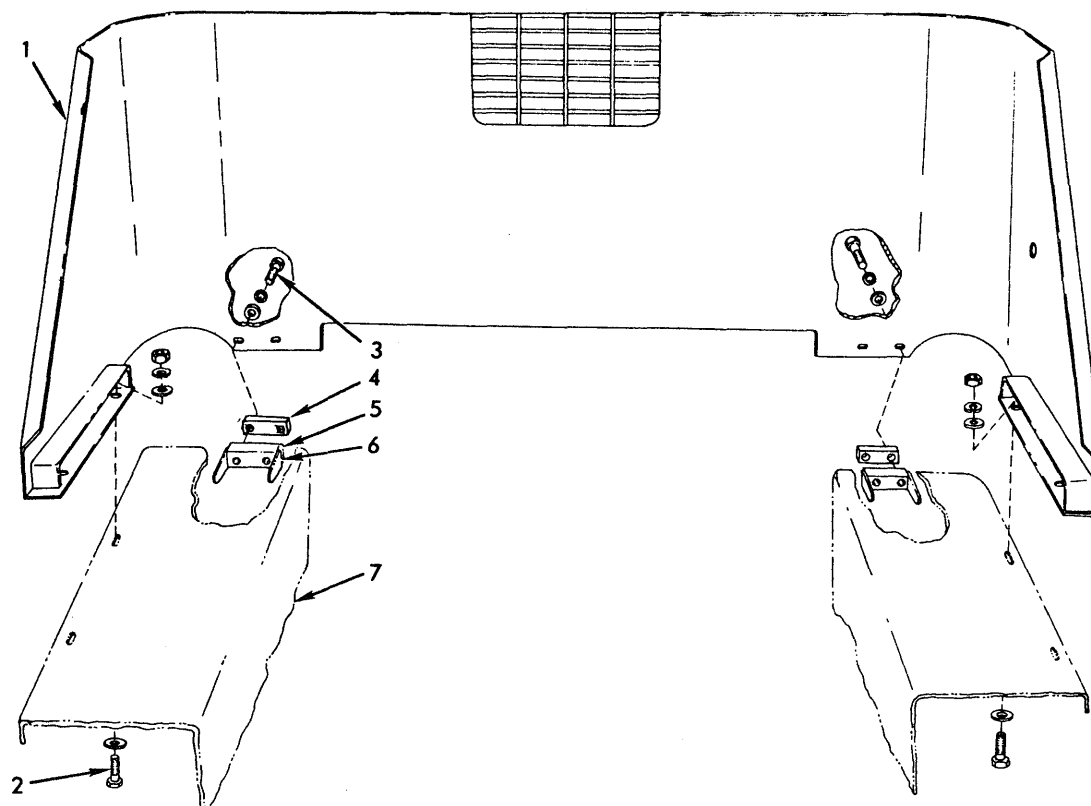
ROLL OVER PROTECTION FRAME

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"	} Requires weld- ing to install
	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	} Special equipment
	70922300	2	CAPSCREW, 3/8"NC x 3/4"	
	70906960	2	LOCKWASHER, internal tooth, 3/8"	
	70677006	2	WASHER	
8	70698436	4	CHANNEL	
	70928532	8	CAPSCREW, drilled hd., 3/8"NC x 3/4"	
	70677006	8	WASHER	
	70023633	4	WIRE, locking, 1/16" x 12"	

(Continued)

ROLL OVER PROTECTION FRAME (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
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)

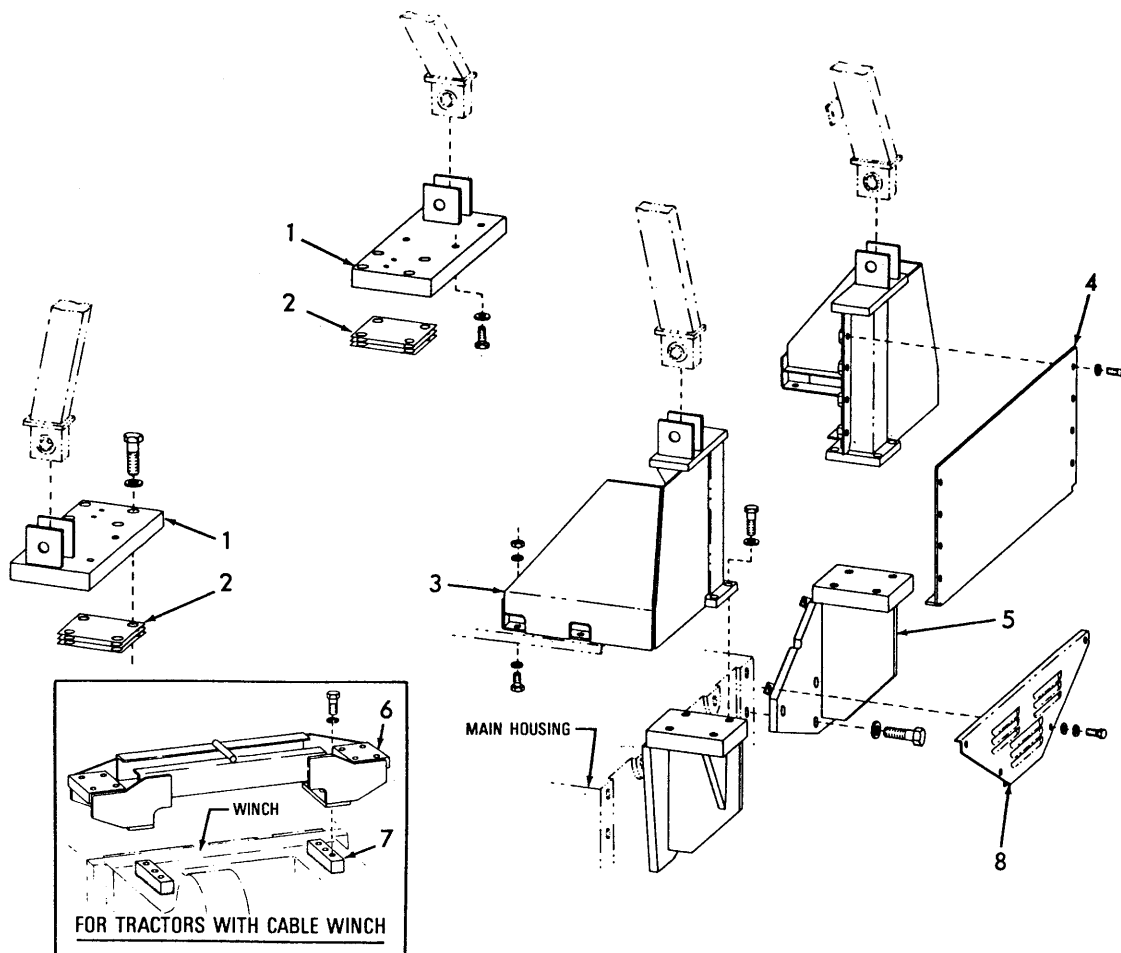


FUEL TANK AND SEAT GUARD

T-75772

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)



ROPS MOUNTING BRACKETS

T-79131

USAGE: Special. 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, plain
	70926785	6	CAPSCREW, 1"NC x 2-3/4"
	70678072	6	WASHER, plain
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, plain
	70911029	4	NUT, 5/8"NC
	70927015	8	CAPSCREW, 1"NC x 3"
	70083318	8	WASHER, plain

(Continued)

(Revised December 1975)

ROPS MOUNTING BRACKETS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION	
4	70686248	1	GUARD, rear plate	
	70920585	8	CAPSCREW, 1/2"NC x 1-3/4"	
	70677008	8	WASHER, plain	
5	70683213	1	BRACKET, cab or canopy mounting, left	For tractors equipped with Drawbar or Rear Mounted Cable Control Unit (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	
	70916271	4	CAPSCREW, 3/8"NC x 1"	
	70904206	4	LOCKWASHER, 3/8"	
	70044973	4	WASHER, plain	

CAB (Not Illustrated)

USAGE: Special equipment

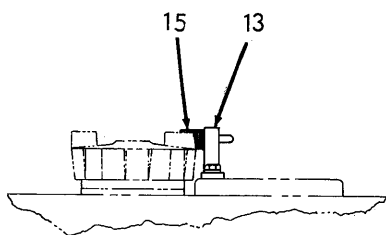
ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	CAB ASSY. (Vendor Part No. 10019C. Service must be obtained from Industrial Cab Company, Route 22 Western Ave. Essex, Mass. 01929).

CAB GLASS (Not Illustrated)

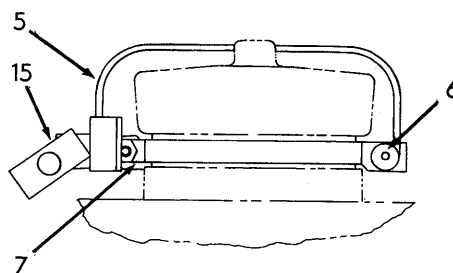
USAGE: Not applicable to Air Conditioned Cabs.

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. 1692)
6	-----	2	GLASS, door lower (Vendor No. A1695)
7	-----	1	GLASS, windshield, center (Vendor No. A1690)

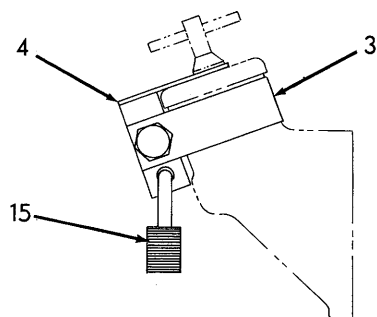
NOTE: Glass must be procured locally. Refer to Cab Glass Catalog for pattern.



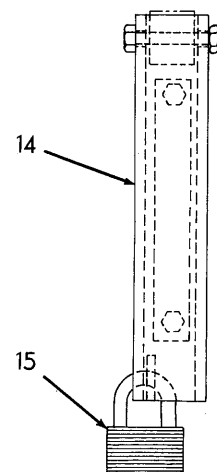
HYDRAULIC TANK



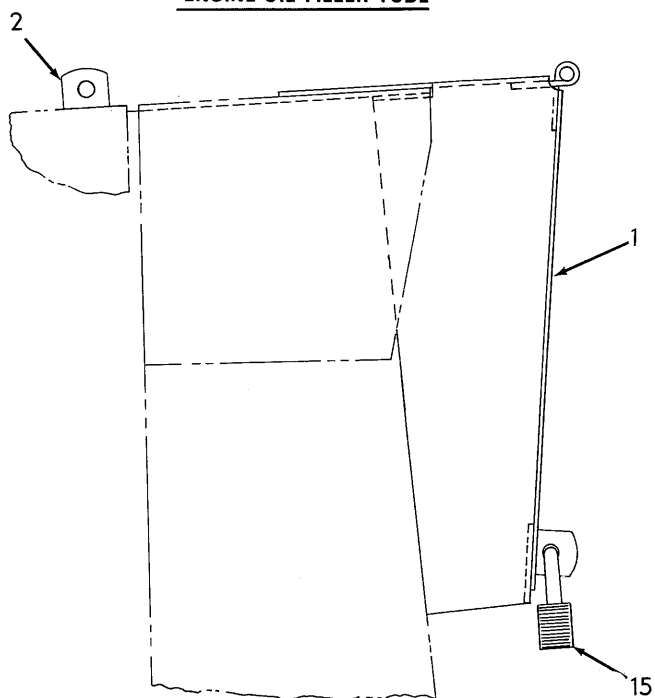
FUEL TANK



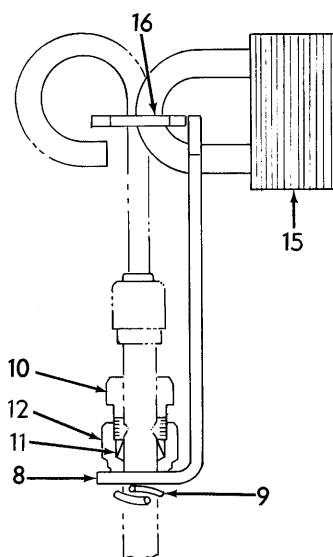
ENGINE OIL FILLER TUBE



HYDRAULIC TANK SIGHT GAUGE



INSTRUMENT PANEL



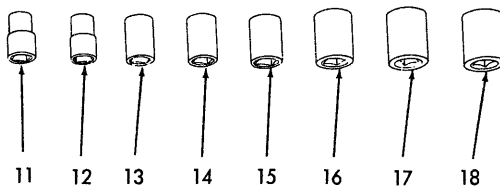
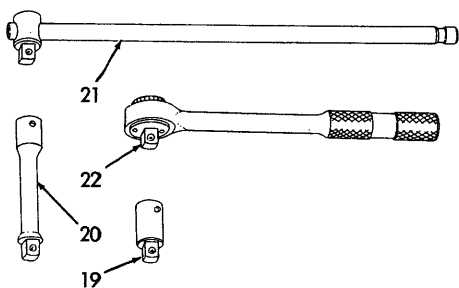
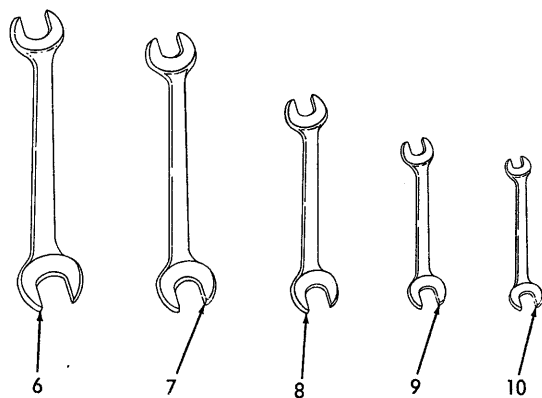
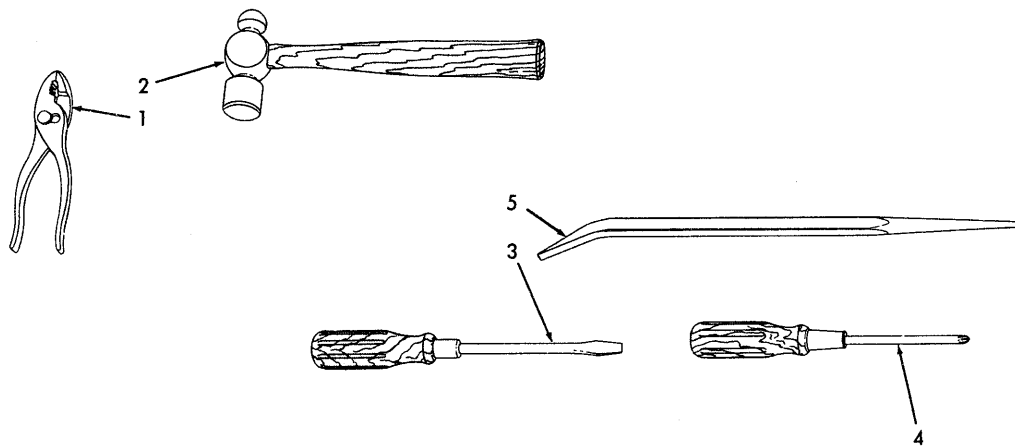
ENGINE OIL DIPSTICK

VANDALISM PREVENTION PARTS

USAGE: Special Equipment

ITEM	PART NO.	QTY.	DESCRIPTION
1	70658147	1	GUARD, instrument panel (Requires welding to cowl)
2	70660936	1	LUG, instrument panel guard (Requires welding to hood)(First type)
	70697534	1	ANGLE
	70927491	1	CAPSCREW, Nylok, 1/2"NC x 1-1/4" } Second type
3	70660070	1	COLLAR, engine oil filler elbow
	70921076	1	CAPSCREW, 3/8"NC x 1-1/4"
	70910287	1	LOCKWASHER, 3/8"
	70677006	1	WASHER, plain
4	70659112	1	BRACKET, engine oil filler closure
5	70657553	1	COVER, fuel tank cap
6	70924838	1	RIVET, fuel, tank cap cover
7	70657556	1	CLAMP, fuel tank filler neck
	70916285	1	CAPSCREW, 1/4"NC x 1"
	70910285	1	LOCKWASHER, 1/4"
	70911024	1	NUT, 1/4"NC
8	70659175	1	ANGLE, locking, engine oil level gauge
9	74254980	1	CLAMP, supporting, locking angle
10	70650178	1	NUT, locking, engine oil level gauge (upper)
11	70925164	1	FERRULE, locking nut
12	70925162	1	NUT, locking, engine oil level gauge (lower)
13	70682498	1	PLATE, locking, hydraulic tank cap
	70922287	2	CAPSCREW, 3/8"NC x 1-3/4"
	70910287	2	LOCKWASHER, 3/8"
14	70677711	1	CHANNEL, sight gauge guarding
	70920996	1	CAPSCREW, 3/8"NC x 2-1/4"
	70915891	1	NUT, elastic stop, 3/8"NC
15	70928052	6	PADLOCK
16	70657555	1	LUG

(Revised July 1976)



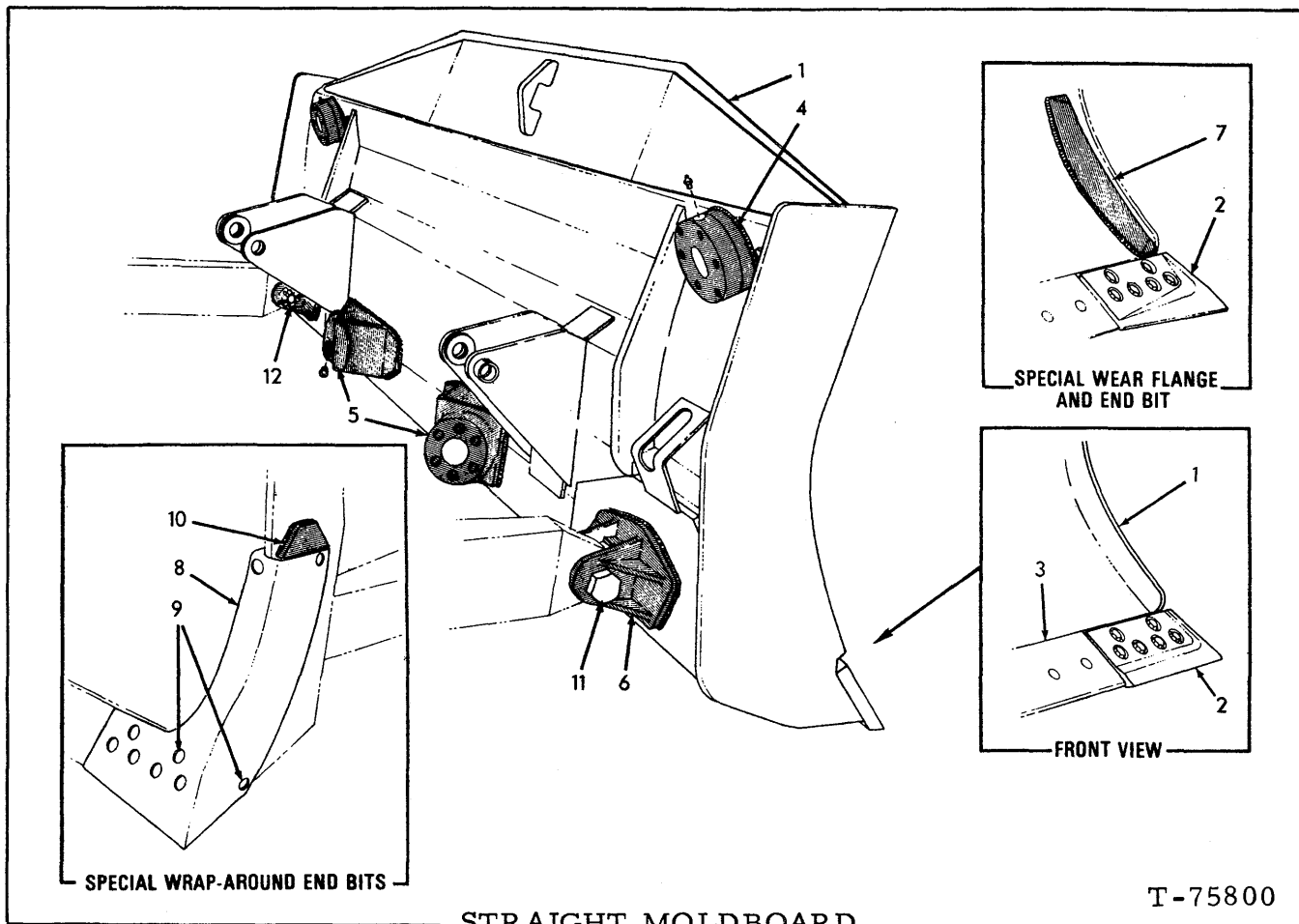
TOOLS

230

•T-17464

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°, 15/16" and 1-1/16"
7	70050610	1	WRENCH, open end, double head, 15°, 3/4" and 7/8"
8	70050609	1	WRENCH, open end, double head, 15°, 5/8" and 3/4"
9	70050608	1	WRENCH, open end, double head, 15°, 1/2" and 9/16"
10	70050607	1	WRENCH, open end, double head, 15°, 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



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	Effective July 1974
	70691674	2	BIT (Standard, 18" long)	
	70660335	12	BOLT, plow, 7/8"NC x 2-3/4"	Special Heavy-duty Type
	70911031	12	NUT, 7/8"NC	
	70615219	1	BIT, left (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	
	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	

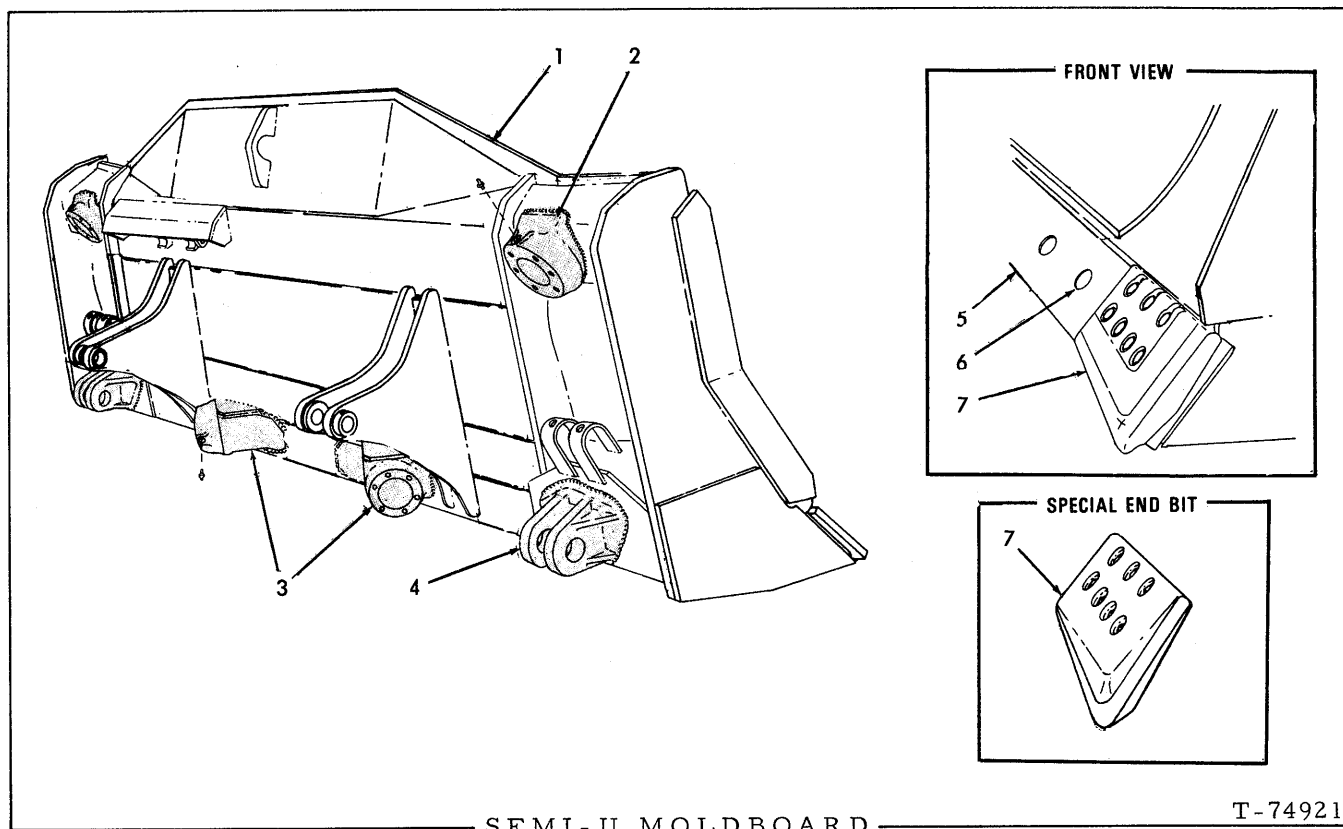
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STRAIGHT MOLDBOARD (Continued)

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

(Revised July 1976)



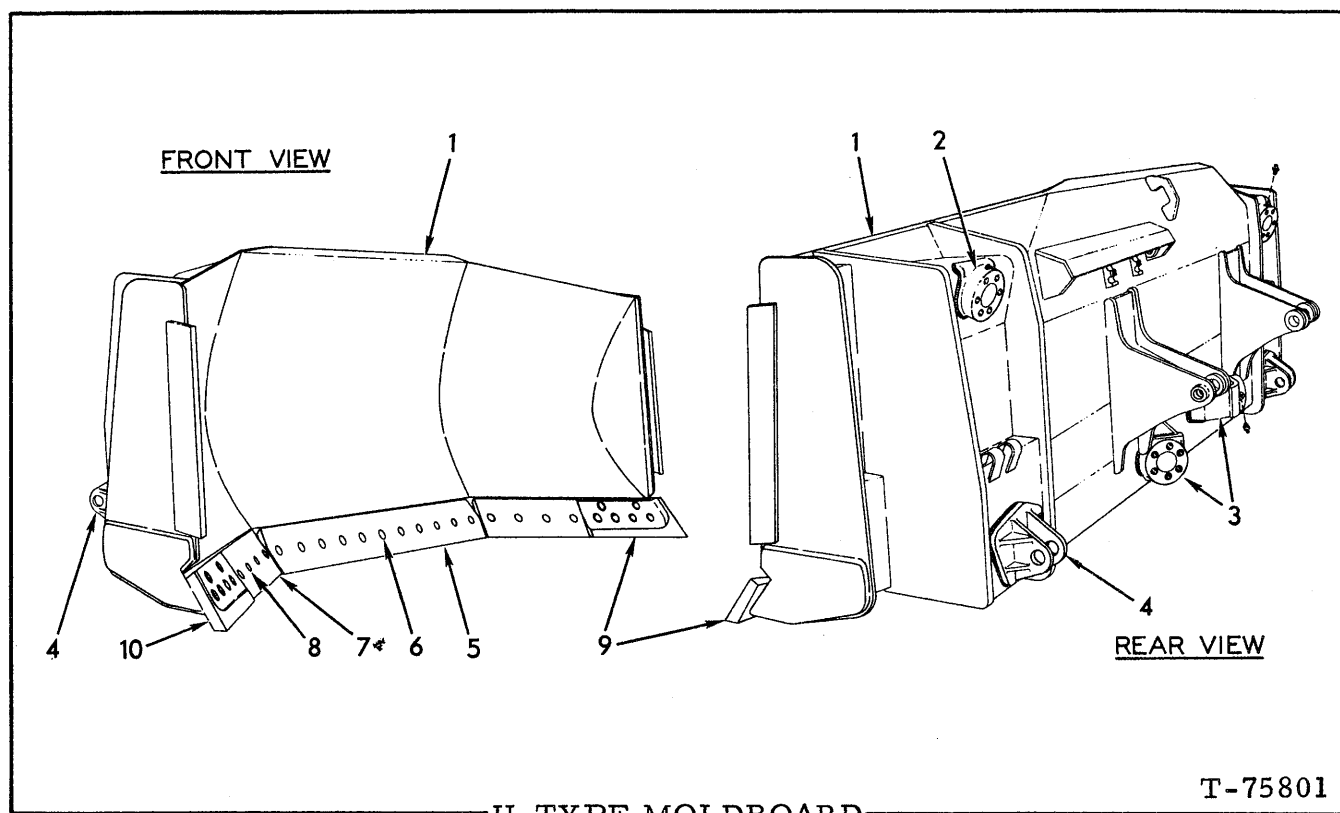
SEMI-U MOLDBOARD

T-74921

USAGE: Models 16HSU, 16CSU

ITEM	PART NO.	QTY.	DESCRIPTION	
1	669314	1	MOLDBOARD ASSY. (Hydraulic units)	} Each includes items 2 thru 7
	669315	1	MOLDBOARD ASSY. (Cable units)	
2	667493	2	*SOCKET, tilt brace	
	914465	2	FITTING, lubricating, straight, 1/8"NPT	
3	667496	2	*SOCKET WELDMENT, diagonal brace	
	914465	2	FITTING, lubricating, straight, 1/8"NPT	
4	669266	2	*LUG, attaching	
5	672194	2	EDGE, cutting	
6	660900	18	BOLT, plow, 1"NC x 2-3/4"	
	911032	18	NUT, 1"NC	
7	661213	1	BIT, left end	} Standard
	661214	1	BIT, right end	
	926785	14	CAPSCREW, 1"NC x 2-3/4"	
	911032	14	NUT, 1"NC	
	673081	1	BIT, left end	} Special
	673082	1	BIT, right end	
	661209	14	BOLT, plow, 1"NC x 3-1/4"	
	911032	14	NUT, 1"NC	

*Requires welding to install



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

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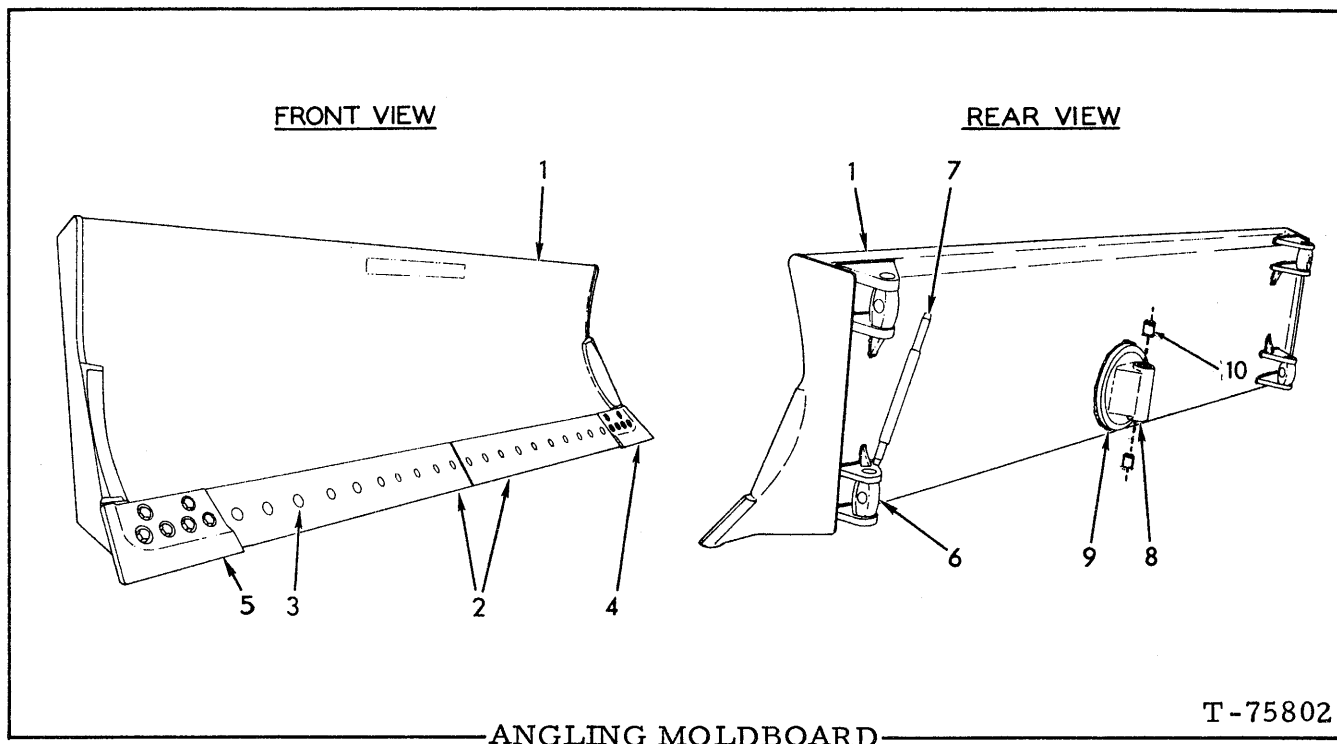
(Revised July 1978)

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	
	70911031	6	NUT, 7/8"NC	
	70617080	1	BIT (Recessed for capscrews)	} Severe service
	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

(Revised July 1978)



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)	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	
	70911031	6	-	NUT, 7/8"NC	Severe service
	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	

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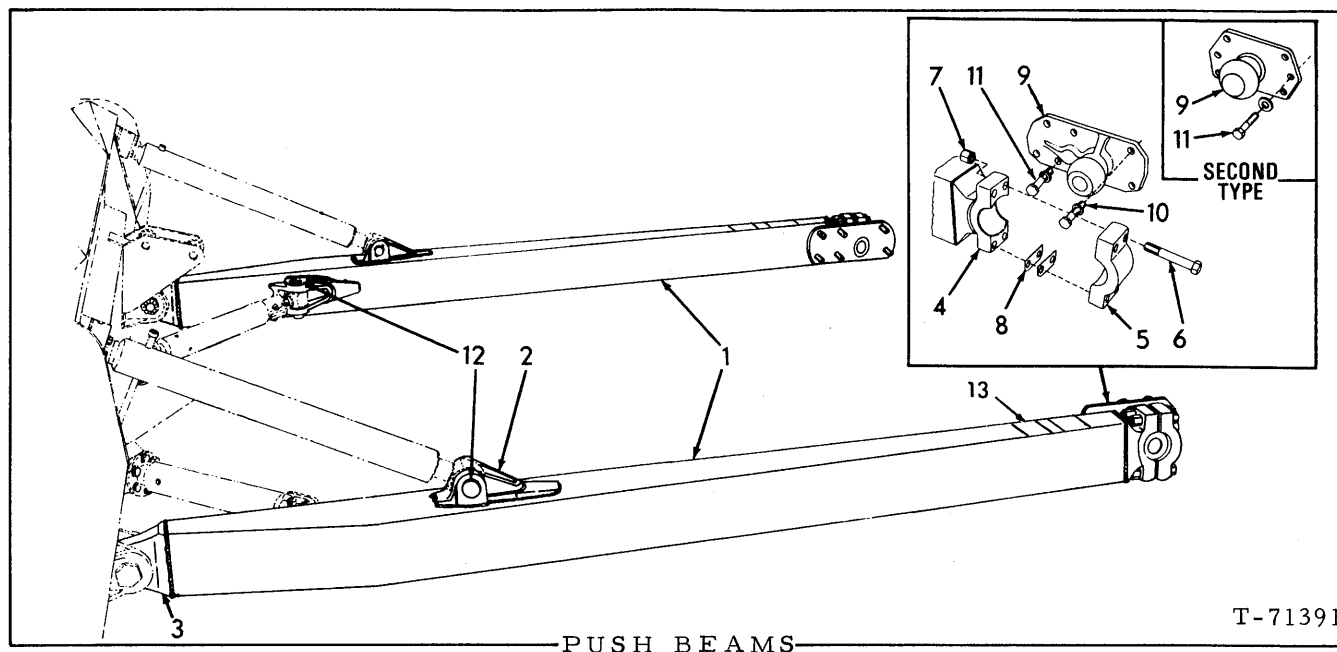
ANGLING MOLDBOARD (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION	
		*	**	
5	70606762	1	-	BIT (Recessed for capscrews)
	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
	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

Standard

Severe service

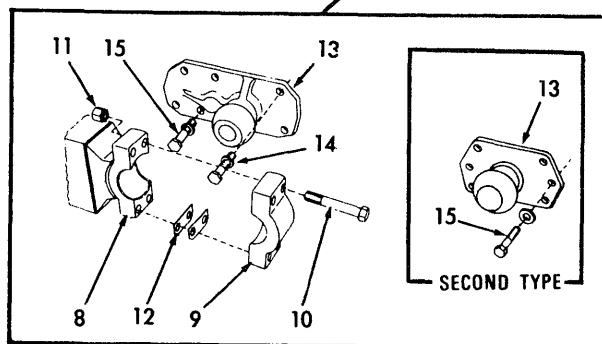
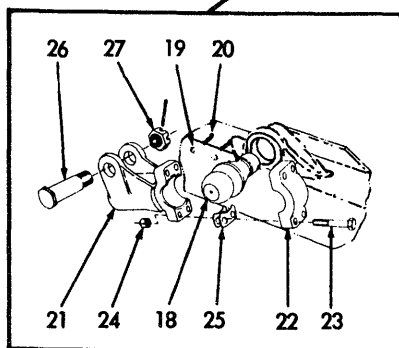
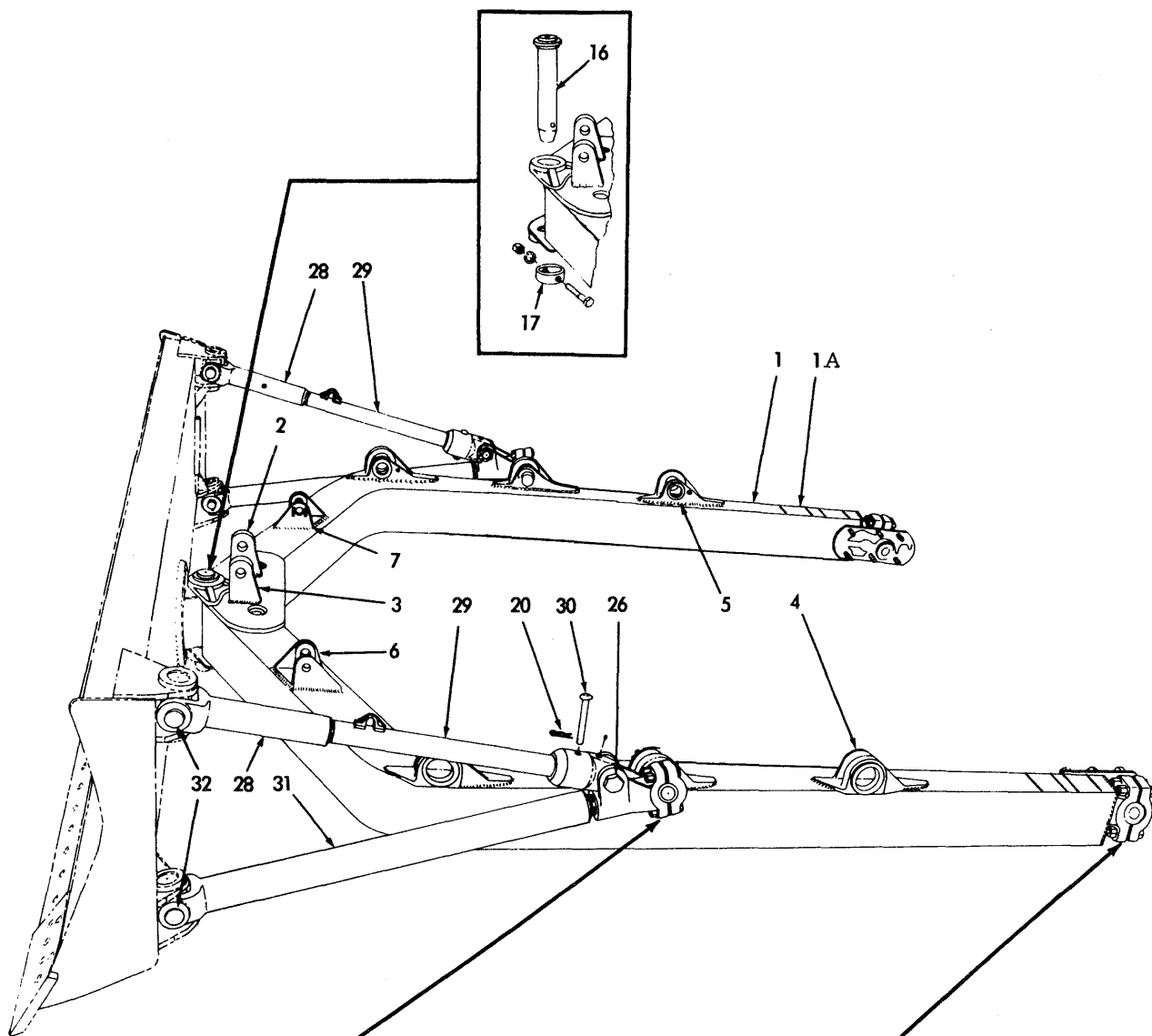
* Requires welding to install



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

ITEM	PART NO.	QTY.	DESCRIPTION	
1	70667069	1	BEAM, push, left side	Each includes items 2 thru 4
	70667070	1	BEAM, push, right side	
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	1	TRUNNION, left side	Units prior to #13185 including #13187
	70617516	1	TRUNNION, right side	
	70687732	2	TRUNNION (Unit #13185 and up, 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



C-FRAME AND STRUTS 16HA, 16CA

T-79294

C - FRAME AND STRUTS

USAGE: Models 16HA, 16CA

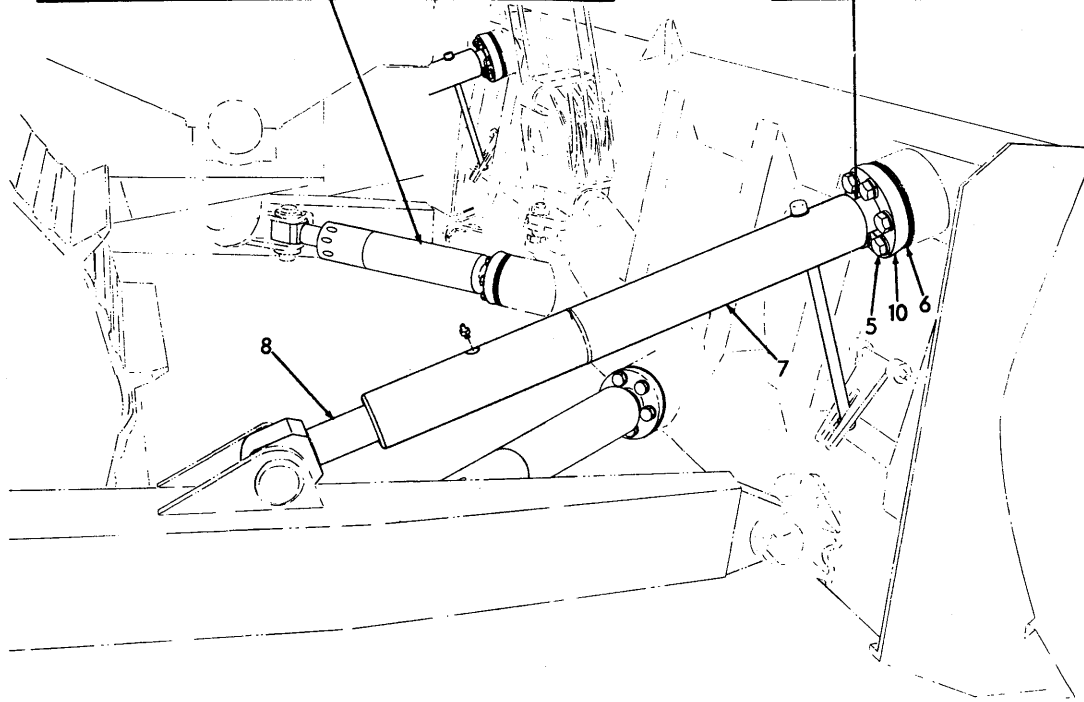
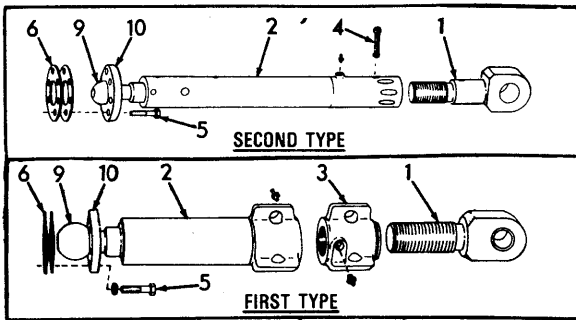
ITEM	PART NO.	QTY.	DESCRIPTION
1	70668662	1	C-FRAME (Includes items 4 thru 8)(Model 16HA)
1A	70669571	1	C-FRAME (Includes items 2 thru 5 and 8)(Model 16CA)
2	73116394	4	STEP TREAD
2	70609209	1	*PLATE, lifting, right side
3	70609210	1	*PLATE, lifting, left side
4	70618083	3	*BRACKET, ball pin, left side
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 brakcrt
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	{ 0619841	2	CLEVIS, upper strut (Standard. 2-1/2"NC thread)
	0619275	2	CLEVIS, upper strut (Heavy-duty. 3-1/2"NC thread)
	0914465	2	FITTING, lubricating, straight, 1/8"NPT
29	{ 0609355	2	STRUT, upper (Standard. 2-1/2"NC thread)
	0619274	2	STRUT, upper (Heavy-duty. 3-1/2"NC thread)
	0914465	2	FITTING, lubricating, straight, 1/8"NPT
30	0618692	2	PIN, strut locking
31	0619840	2	STRUT, lower
32	0609122	4	PIN, moldboard strut
	0918245	4	PIN, spring, 1/2" x 2-1/2"

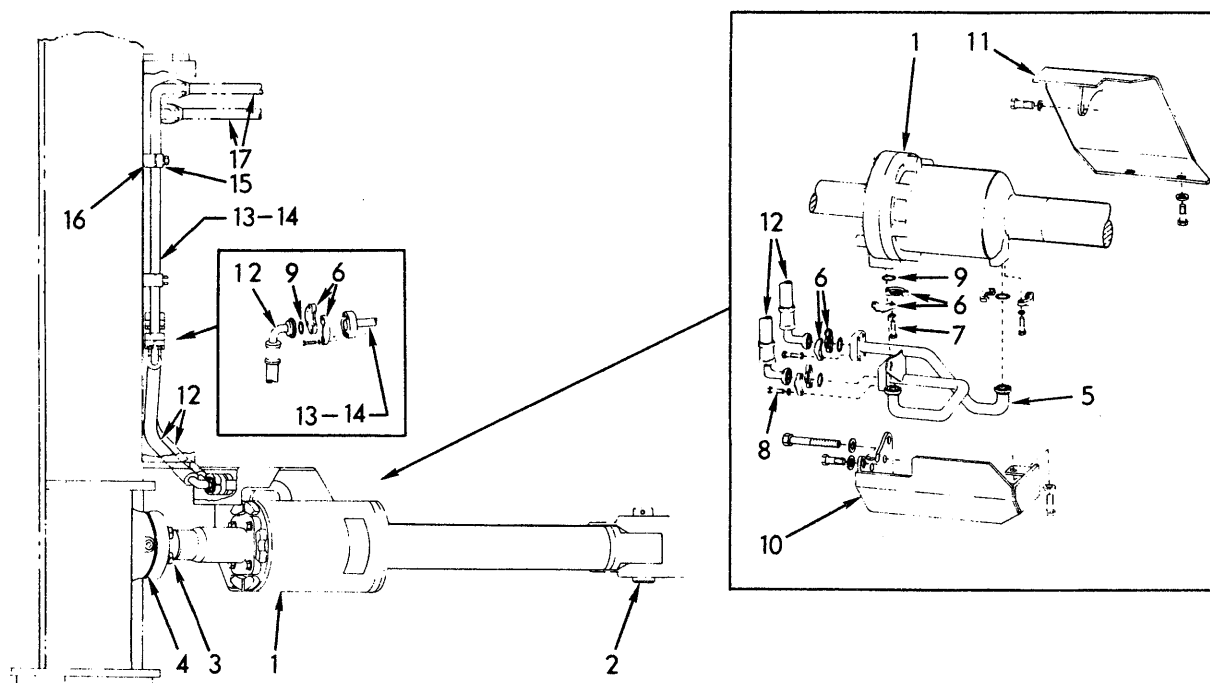


MOLDBOARD BRACES

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	Requires welding to install
9	70671076	2	BALL, diagonal brace	
	70672959	2	BALL, tilt brace	
10	70651704	4	COLLAR, brace ball	



HYDRAULIC TILT

T-75438

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

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	CYLINDER ASSY., tilt (See pages 247 and 248)
2	70609122	1	PIN, tilt cylinder
	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, cylinder socket (Use as required)
5	70659320	1	TUBE WELDMENT (17-3/4" long)(Early units)
	70698044	1	TUBE WELDMENT (19-1/4" long)(Late units)
6	70921115	12	FLANGE, connecting (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	LOCKWASHER, 3/8"
9	70924110	6	O-RING, sealing, cylinder hoses

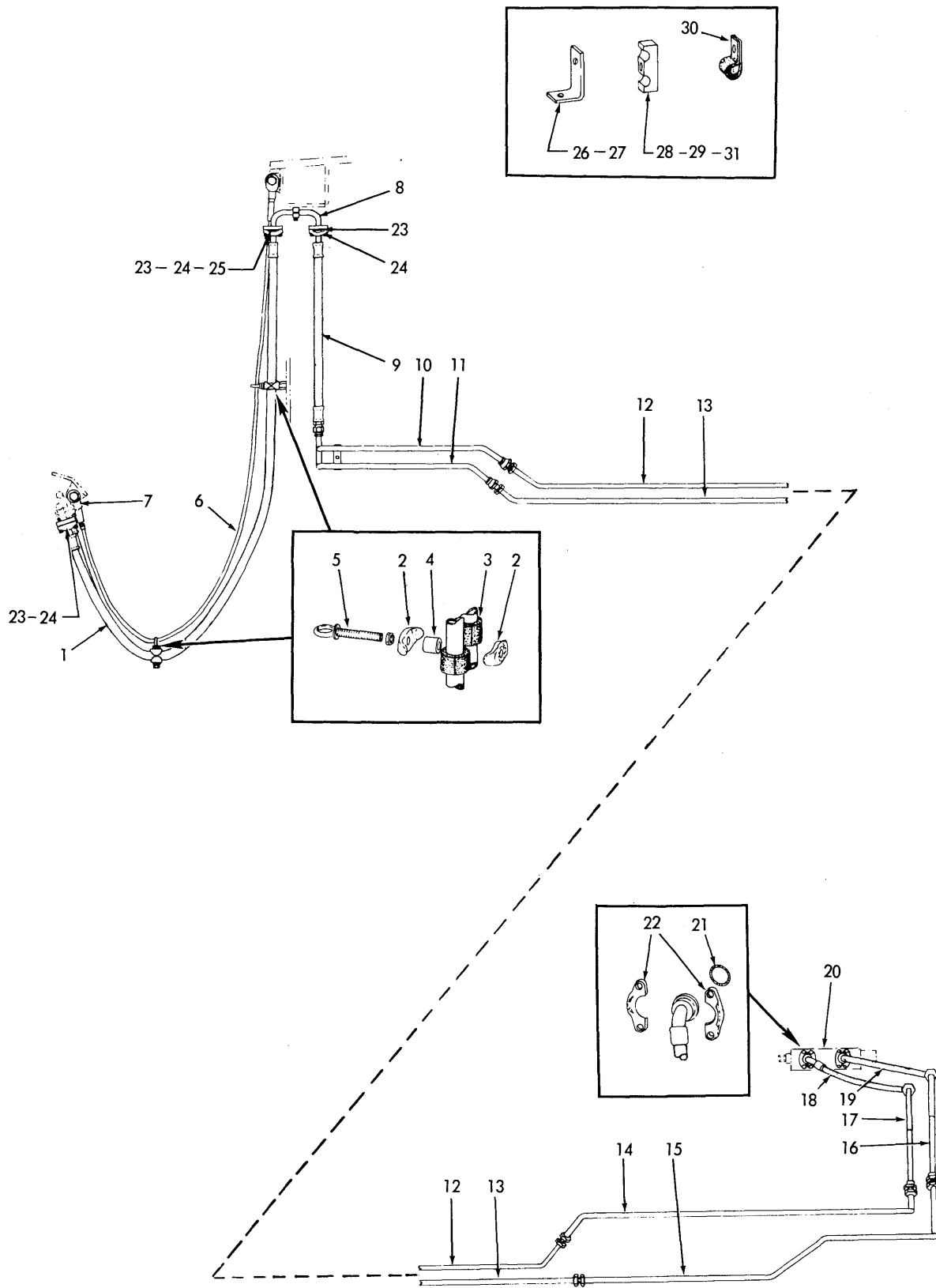
(Continued)

(Revised April 1976)

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"
	70928914	4	WASHER
			} Use with 70698044 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"
	70677008	2	WASHER
	70698393	2	CLAMP
	70927522	2	CAPSCREW, 1/2"NF x 1-3/4"
	70677008	2	WASHER
			} First type
			} Second type
16	70645610	2	CLAMP (threaded hole)(Requires welding to dozer moldboard)
17	-----	2	HOSE (See HYDRAULIC TILT PIPING)

(Revised July 1976)



HYDRAULIC TILT PIPING

T-75850

HYDRAULIC TILT PIPING

USAGE: Special equipment

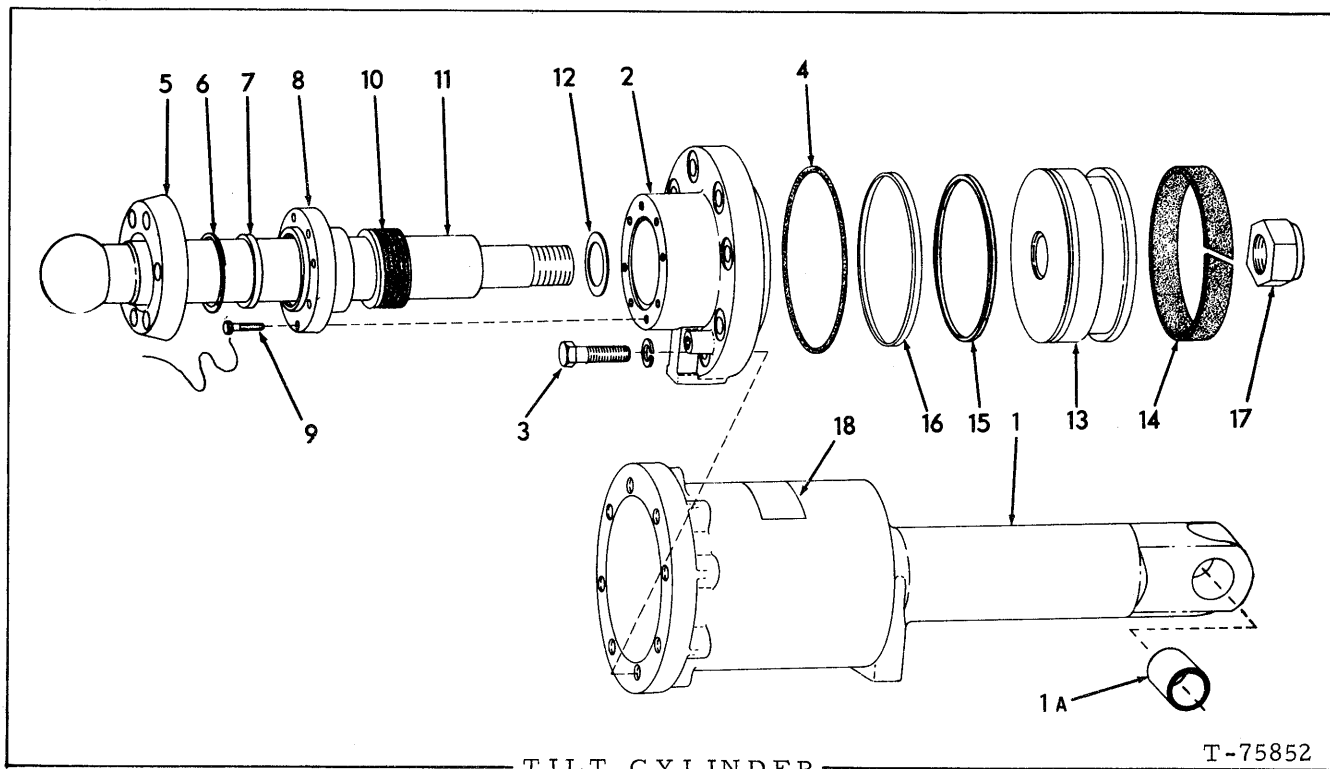
ITEM	PART NO.	QTY.	DESCRIPTION
1	70670723	2	HOSE, front (See HOSE PARTS)
2	70619966	4	CLAMP, front hose supporting
3	70670217	4	BOOT, hose protecting
4	70613231	2	BLOCK, spacing, hose clamp
5	70667711	2	EYE-BOLT, cable guiding
	70911035	1	NUT, jam, 1/2"NC
	70911028	1	NUT, 1/2"NC
	70677008	1	WASHER
6	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)(See HOSE PARTS)
19	70670759	1	HOSE, rear section (rear)(See HOSE PARTS)
20	-----	1	VALVE ASSY., operating (See 1 of 2, D-4 and 1 of 2, D-7)
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)

(Revised April 1976)

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
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
	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
	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
	70910287	2	LOCKWASHER, 3/8"
	70911026	2	NUT, 3/8"NC



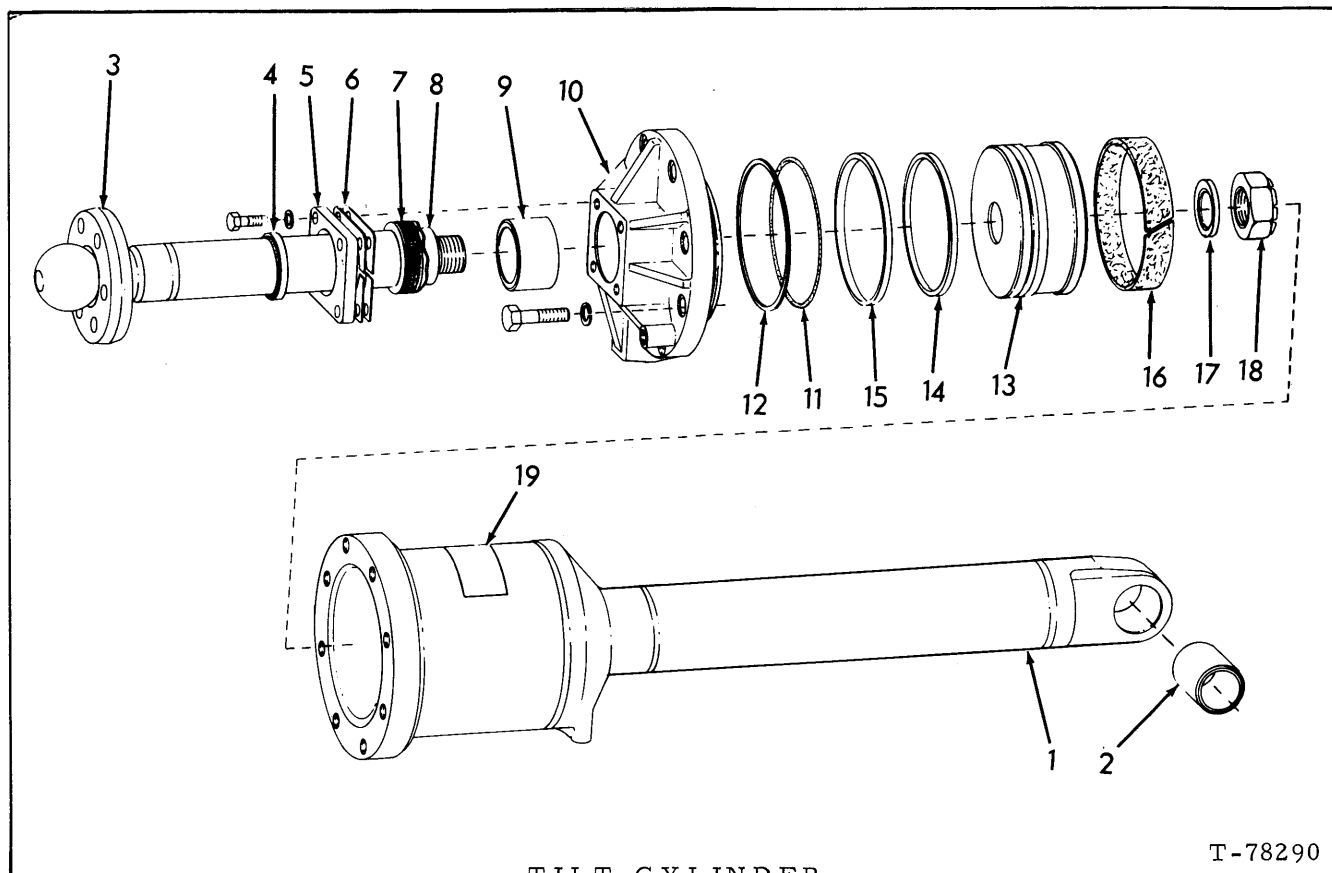
TILT CYLINDER

T-75852

USAGE: See page 242 (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



TILT CYLINDER

T-78290

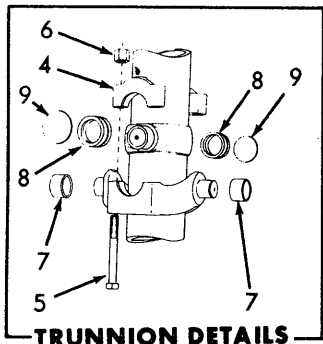
USAGE: See page 242 (Effective February 1973)

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"

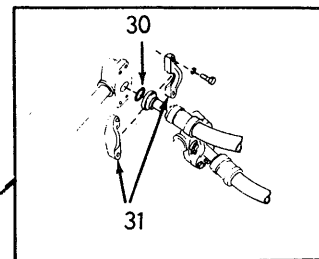
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TILT CYLINDER (Continued)

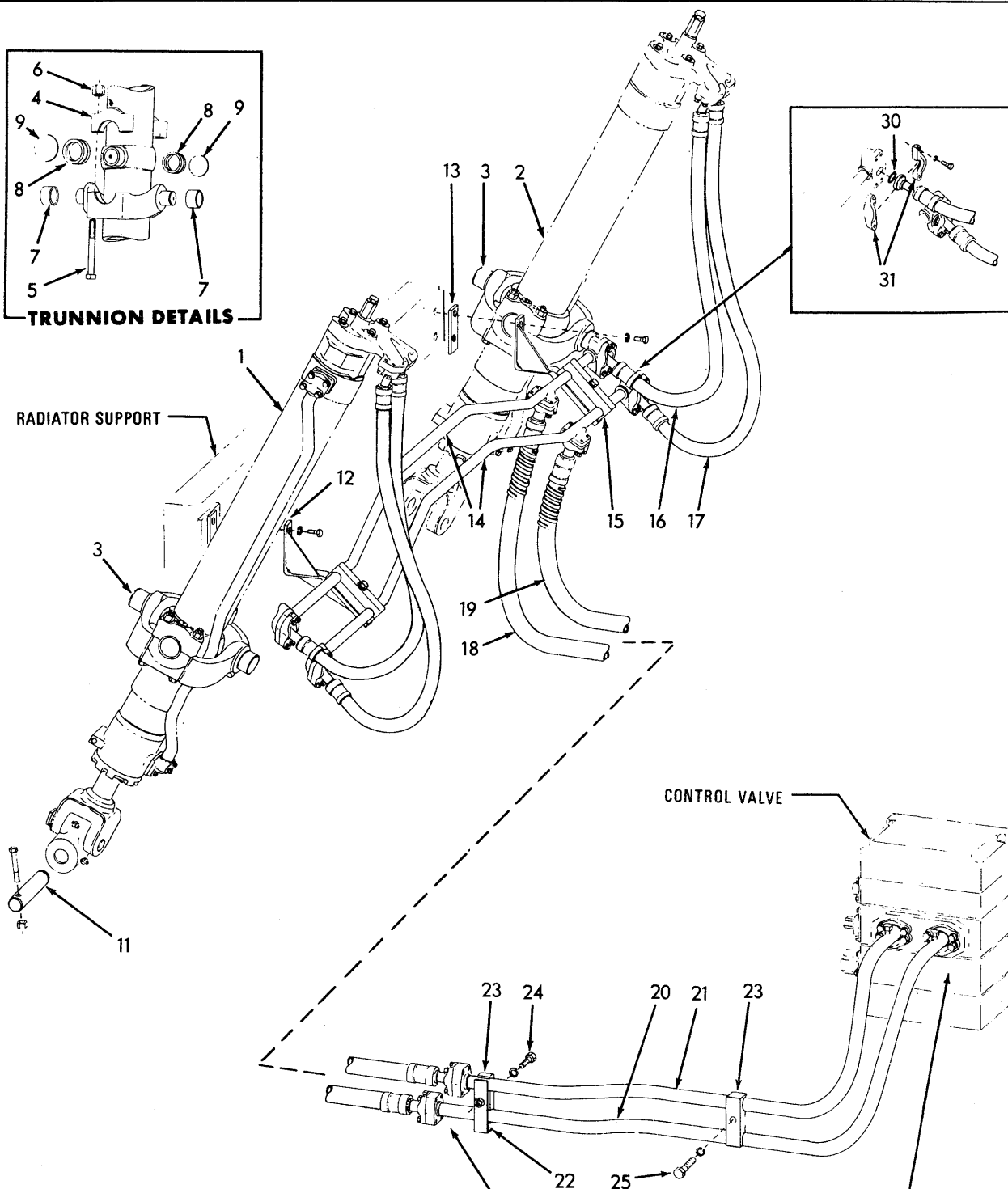
ITEM	PART NO.	QTY.	DESCRIPTION
11	0927171	1	☐ RING, sealing, cylinder cover
12	0930345	1	☐ RING, back up
13	3059271	1	PISTON
14	0926822	1	☐ RING, piston, inner
15	3053715	1	☐ RING, piston, outer
16	3053716	1	RING, piston wear
17	3054108	1	SPACER, nut
18	0929290	1	NUT, piston rod (self-locking)
19	0635335	1	TRANSFER, caution
20	3056933	1	REPAIR KIT (Includes items 4, 6, 7, 11, 12, 14, 15 and 16)
			☐ Components of item 20



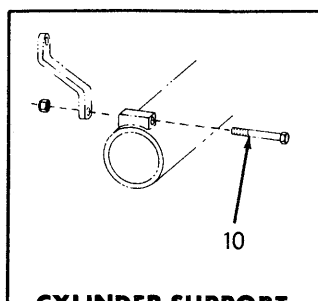
TRUNNION DETAILS



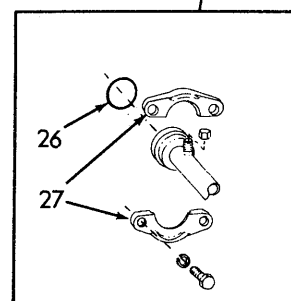
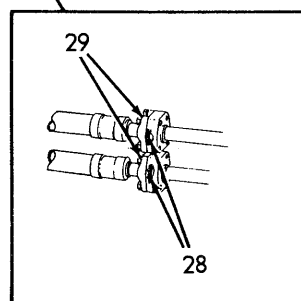
RADIATOR SUPPORT



CONTROL VALVE



CYLINDER SUPPORT



CYLINDER PIPING

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 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 Tractor unit #14009 and up
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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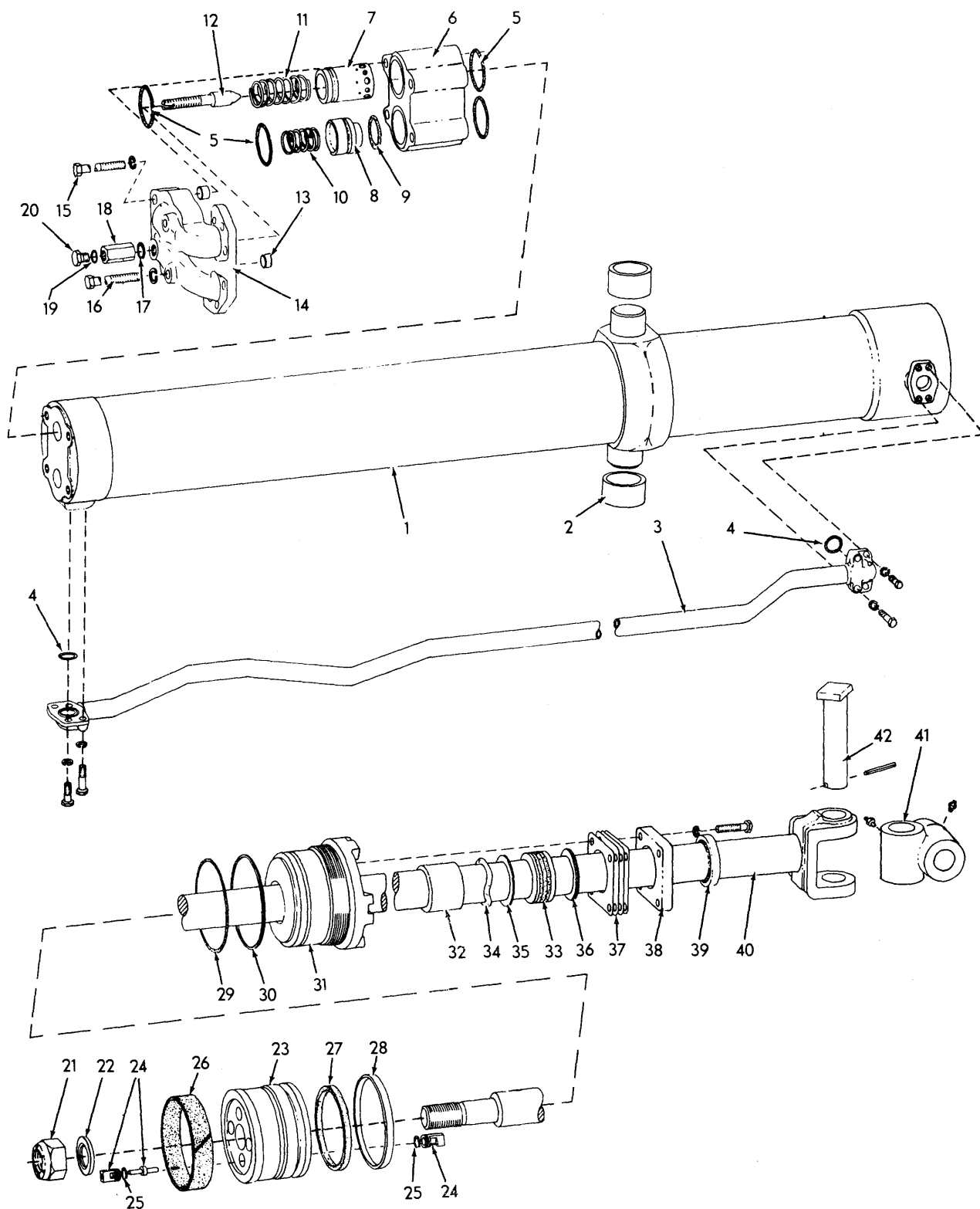
(Revised July 1976)

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

(Revised July 1976)

MEMO



HYDRAULIC DOZER CYLINDERS

T-75854

HYDRAULIC DOZER CYLINDERS

USAGE: See page 251

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
-	70662179	1 -	CYLINDER ASSY., left
	70662180	- 1	CYLINDER ASSY., right
1	73062237	1 -	CYLINDER ASSY.
	73062238	- 1	CYLINDER ASSY.
2	70609222	2 2	BUSHING, cylinder pivot
3	70661961	1 -	TUBE, jumper
	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	70668401	1 1	SCREW, orifice adjustment
13	70050227	2 2	BUSHING, dowel
14	70664149	1 -	HEAD, connecting
	70664150	- 1	HEAD, connecting
	70697003	1 -	HEAD
	70697004	- 1	HEAD
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
18	70668387	1 1	NUT, locking, adjustment screw
19	70921206	1 1	O-RING, valve access (Includes item 19)
20	70921204	1 1	PLUG, valve access (Includes item 19)
21	70926959	1 1	NUT, piston rod (self-locking)
22	73053978	1 1	SPACER, piston rod
23	73061069	1 1	PISTON ASSY. (Includes items 24 thru 29)
24	73058925	2 2	PLUNGER - GUIDE ASSY. (Includes 1 Plunger (.340" diam.), 2 Guides and item 25)
25	70923843	4 4	O-RING
26	73052623	1 1	□RING, piston wear
27	70926818	1 1	□RING, piston, inner(rubber)
28	73052618	1 1	□RING, piston, outer (teflon)
29	70925247	1 1	□O-RING, cylinder head
30	70926633	1 1	□O-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	□PACKING SET, piston rod (Includes items 34 and 35)

} Includes items 1 thru 42

} Each includes item 2

} Tractors prior to unit #13888

} Tractor unit #13888 and up

} Tractors
S/N
17A12511
and up

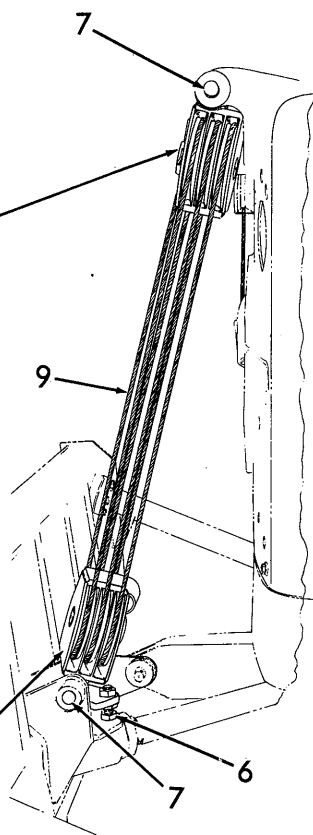
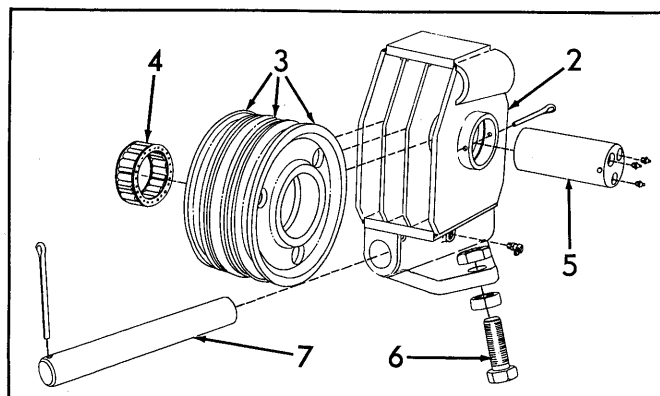
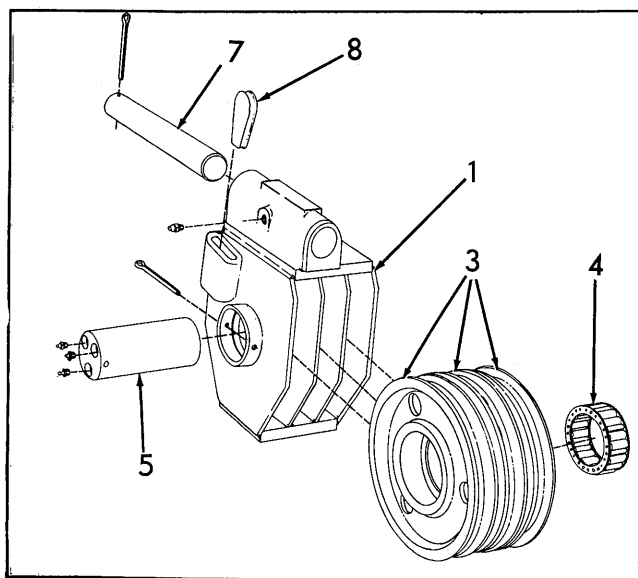
(Continued)

HYDRAULIC DOZER CYLINDERS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION	
34	-----	1	1 SPRING, wave, rod packing	} Not serviced separately
35	-----	1	1 WASHER, rod packing, inner	
36	73054485	1	1 WASHER, rod packing, outer	
37	73054886	4	4 □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 □WIPER, piston rod	
40	73052687	1	1 ROD, piston	
41	70620703	2	2 UNIVERSAL, piston rod (Tractors prior to unit #14438)	
	70695869	2	2 UNIVERSAL (Tractors unit #14438 and up)	
	70915275	4	4 FITTING, lubricating, 65° _O , 1/8"NPT	
42	70637056	2	2 PIN, piston rod	
	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

(Revised July 1978)



SHEAVE BLOCKS AND CABLE

T-15158

USAGE: Models 16CSU, 16CA

* 3-sheave type (Standard)
 ** 4-sheave type (Optional)

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

NOTE: See page 189 for additional sheaves which conduct cable to control unit

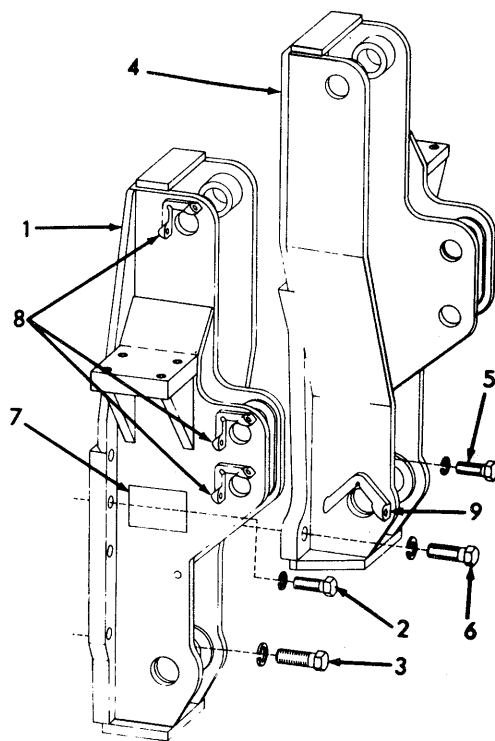
-	{ 614350	1	- BLOCK ASSY., upper (Consists of items 1, 3, 4, 5)
-	{ 619955	- 1	BLOCK ASSY., upper (Consists of items 1, 3, 4, 5)
-	{ 614351	1	- BLOCK ASSY., lower (Consists of items 2 thru 6)
-	{ 619957	- 1	BLOCK ASSY., lower (Consists of items 2 thru 6)

(Continued)

SHEAVE BLOCKS AND CABLE (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	609414	1	-	BLOCK, upper sheaves
	619956	-	1	BLOCK, upper sheaves
	914465	1	1	FITTING, lubricating, 1/8"NPT
2	609379	1	-	BLOCK, lower sheaves
	619954	-	1	BLOCK, lower sheaves
	915274	1	1	FITTING, lubricating, 45°, 1/8"NPT
3	084758	6	8	SHEAVE
4	044875	6	8	BEARING, roller
5	609388	2	-	SHAFT, sheave block
	619958	-	2	SHAFT, sheave block
	916244	2	2	PIN, cotter, 3/8" x 5"
	914465	6	8	FITTING, lubricating, 1/8"NPT
6	625975	1	-	CAPSCREW, lower sheave block positioning (4" long)
	615166	-	1	CAPSCREW, lower sheave block positioning (3-1/2" long)
	912251	2	2	NUT, jam, 1-1/4"NF
7	609390	2	2	PIN, sheave block suspension
	916244	2	2	PIN, cotter, 3/8" x 5"
8	625604	1	1	WEDGE, cable anchor, upper sheave block
9	609224	1	1	CABLE (1/2" diam. x 75" long)

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

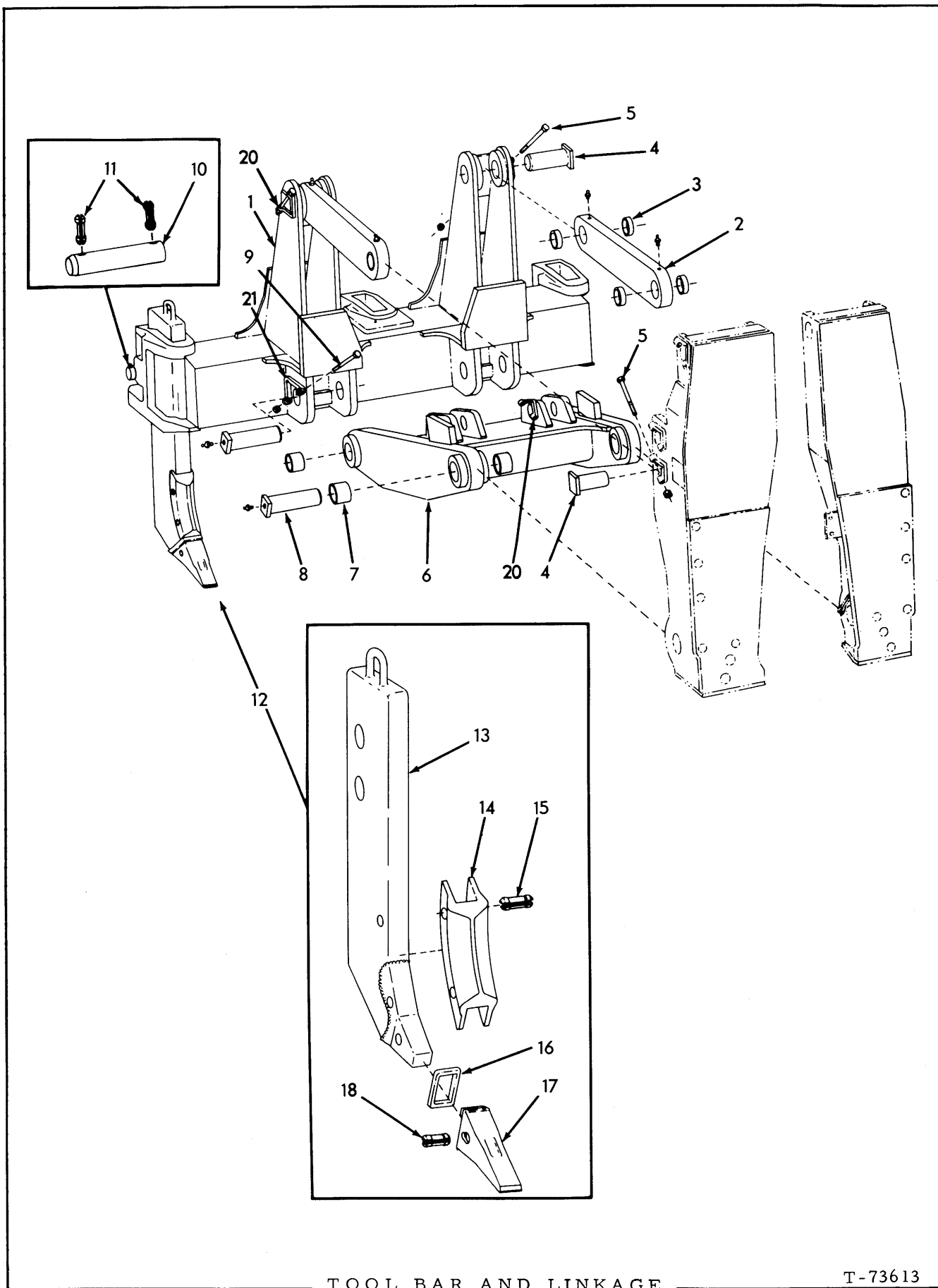


RIPPER MOUNTING FRAME

T-73612

ITEM	PART NO.	QTY.	DESCRIPTION
1	70683223	1	FRAME, mounting, left side (Includes items 8 and 9)
2	70066794	6	CAPSCREW, 1-1/4" NF x 3-1/4"
	70904210	6	LOCKWASHER, 1-1/4"
3	70625383	3	CAPSCREW, 1-1/2" NF x 4"
	70913077	3	LOCKWASHER, 1-1/2"
4	70683224	1	FRAME, mounting, right side (Includes items 8 and 9)
5	70066794	6	CAPSCREW, 1-1/4" NF x 3-1/4"
	70904210	6	LOCKWASHER, 1-1/4"
6	70625383	3	CAPSCREW, 1-1/2" x 4"
	70913077	3	LOCKWASHER, 1-1/2"
7	70662243	1	TRANSFER, installation torque data
8	70648977	6	STOP, pin
9	70647808	2	STOP, pin

} Requires welding to install



TOOL BAR AND LINKAGE

T-73613

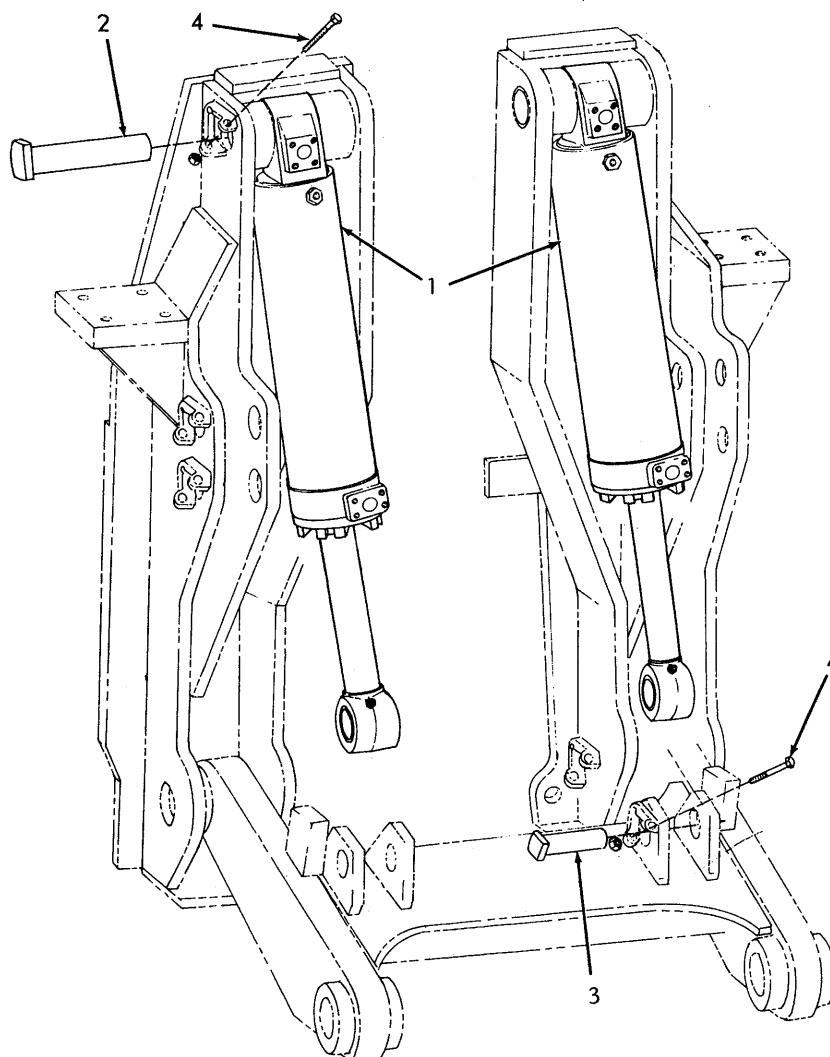
(Revised July 1978)

TOOL BAR AND LINKAGE

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	☐ PLATE, wear, ripper shank
15	70657736	6	☐ PIN, Flex, 1" x 4-7/8"
16	70657735	3	☐ COLLAR, ripper tooth
17	70657734	3	☐ TOOTH, ripper shank
18	70657737	3	☐ PIN, tooth (Spirol, 3/4" x 4")
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

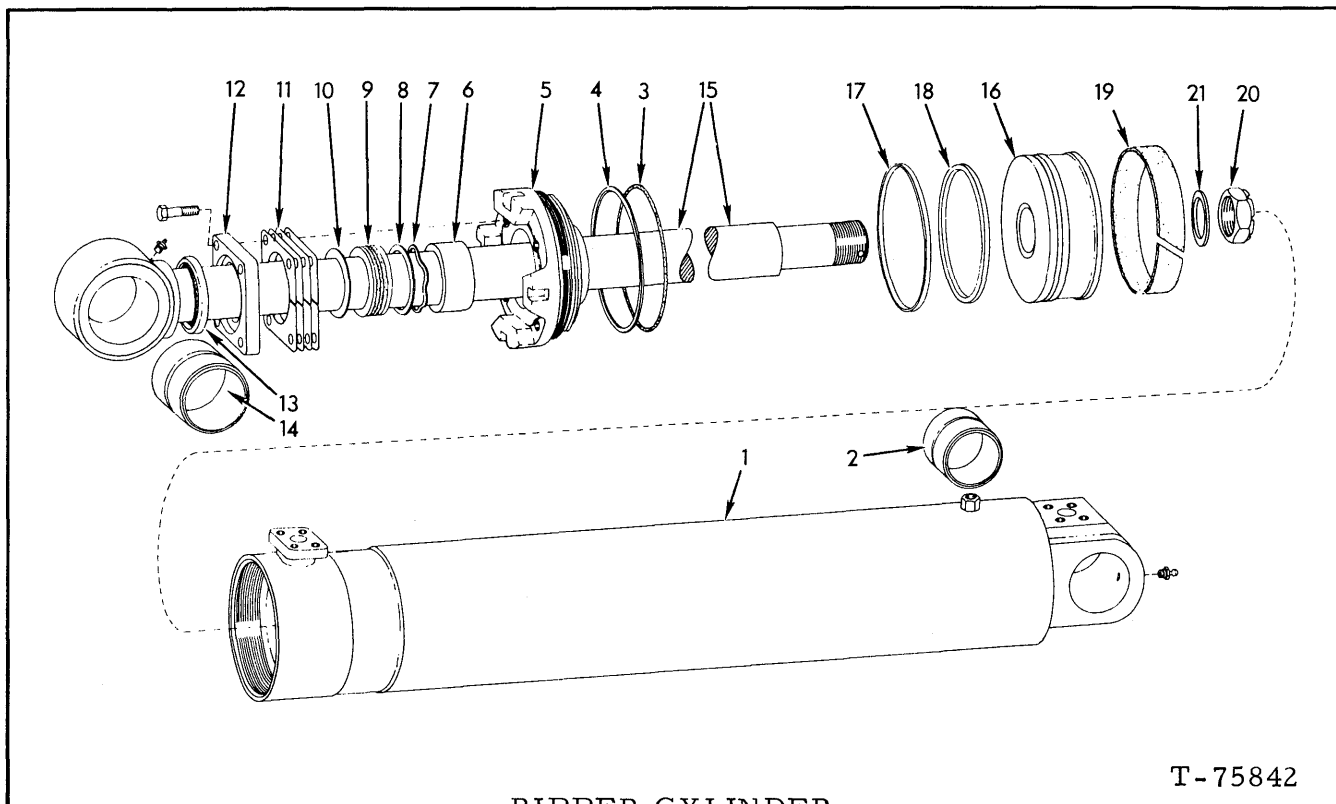


R I P P E R C Y L I N D E R M O U N T I N G

T-73614

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	2	CYLINDER ASSY. (See page 264)
2	648937	2	PIN, cylinder pivot, upper
3	648928	2	PIN, cylinder pivot, lower
4	046590	4	CAPSCREW, pin retaining (1/2"NC x 5-1/4")
	915972	4	NUT, elastic stop, 1/2"NC

MEMO



— RIPPER CYLINDER —

T-75842

USAGE: See page 262

*First type
**Second type

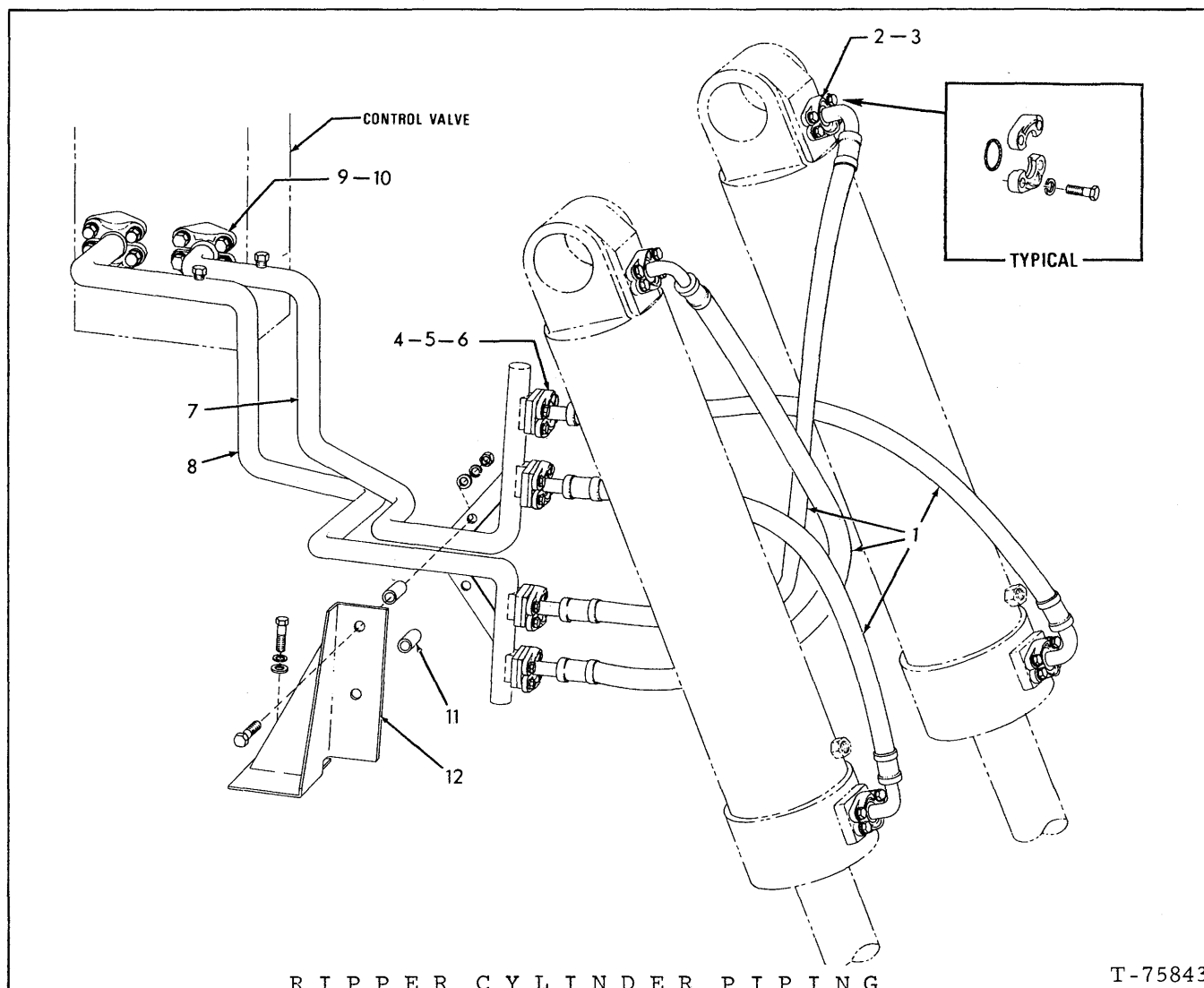
ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
-	73052983	2	-	CYLINDER ASSY. (Includes items 1 thru 21) (If for first replacement supply 73062904)
-	73062904	-	2	CYLINDER ASSY. (Includes item 1)
1	73052982	2	-	CYLINDER ASSY. (Includes item 2)
	73062903	-	2	CYLINDER ASSY. (Includes item 2)
	70914465	2	2	FITTING, lubricating, straight, 1/8"NPT
2	70650592	2	2	BUSHING, cylinder pivot
3	70924138	2	-	□O-RING, cylinder head
	70931231	2	2	ΔO-RING, cylinder head
4	70926637	2	-	□RING, back-up
	73063369	-	2	ΔRING, back-up
5	73054424	2	-	HEAD, cylinder (Early units)
	73062208	2	2	HEAD, cylinder (Late units)
6	73053885	2	-	□BUSHING, piston rod (Early units)
7	-----	2	2	SPRING, wave, rod packing
8	-----	2	2	WASHER, rod packing, inner
9	73053886	2	2	Δ□PACKING SET, piston rod (Includes items 7 and 8)
10	73054485	2	-	□WASHER, rod packing, outer
11	73054486	8	8	Δ□SHIM, packing, plate (Use as required)
12	73051194	2	-	PLATE, packing adjustment
	73059335	-	2	PLATE, packing adjustment
	70914847	8	8	CAPSCREW, drilled-hd., 3/8"NC x 1-1/2"
	70904206	8	8	LOCKWASHER, 3/8"

(Continued)

RIPPER CYLINDER (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
13	73052879	2	2	Δ□SEAL, wiping, piston rod
14	70649261	2	2	BUSHING, piston rod
15	73052980	2	2	ROD ASSY., piston (Includes item 14)
	70914465	2	2	FITTING, lubricating, straight, 1/8"NPT
16	73053356	2	2	PISTON
17	73053357	2	2	Δ□RING, piston sealing (outer)
18	70926865	2	2	Δ□RING, piston sealing (inner)
19	73053359	2	2	Δ□RING, piston wear
20	73073212	2	2	NUT, piston rod
21	73053977	2	2	SPACER, piston rod nut
22	73054598	2	-	REPAIR KIT, cylinder (Includes parts for one (1) cylinder)
23	73056493	-	2	REPAIR KIT, cylinder (Includes parts for one (1) cylinder)
				□Components of item 22
				ΔComponents of item 23

(Revised September 1979)

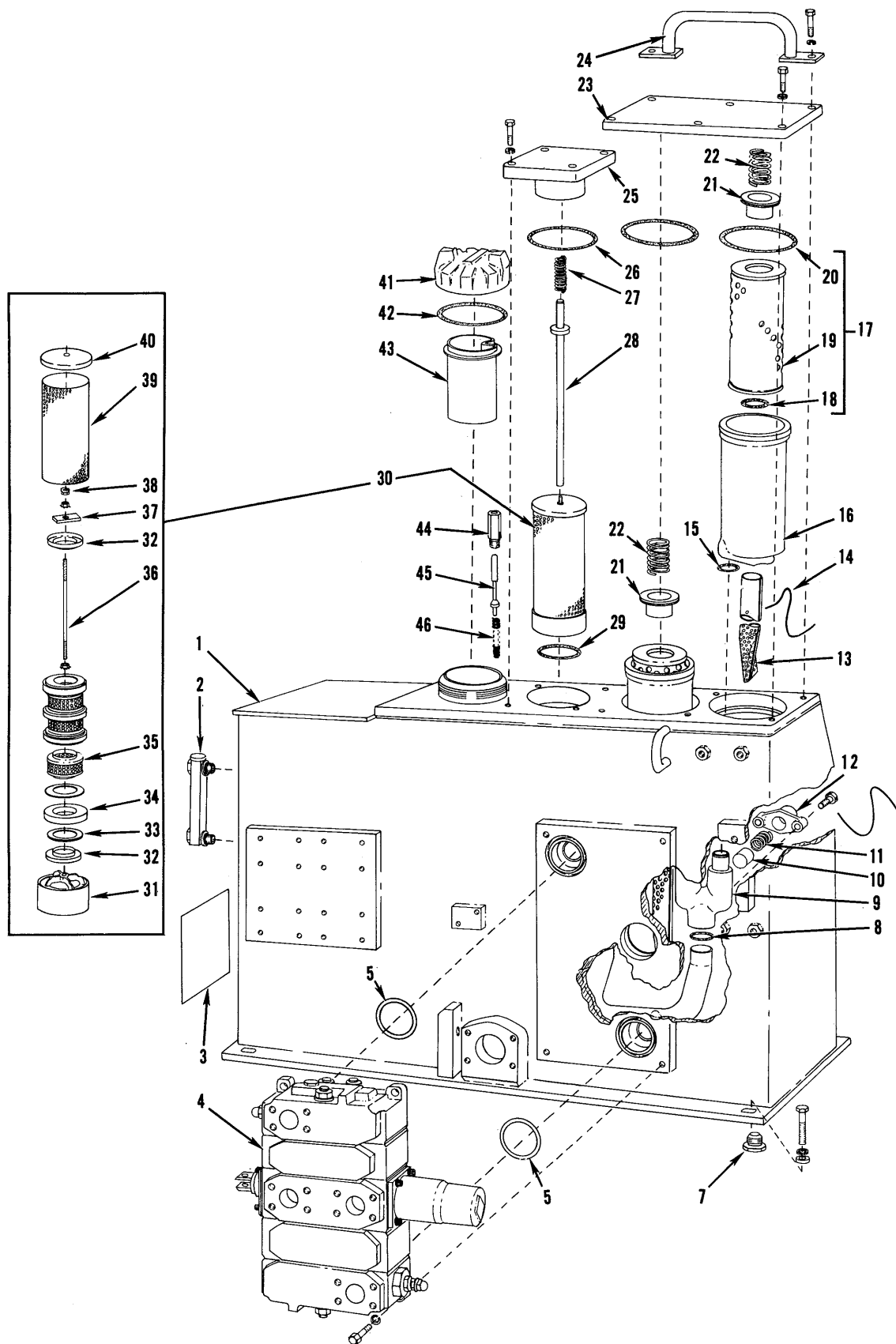


ITEM	PART NO.	QTY.	DESCRIPTION
1	662265	2	HOSE, cylinder (top connection)
	662264	2	HOSE, cylinder (bottom connection)
2	921116	8	FLANGE, hose connection at cylinder end (half only)
	916272	16	CAPSCREW, 3/8"NF x 1-1/4"
	904206	16	LOCKWASHER, 3/8"
3	924200	4	O-RING, hose connections at cylinder end
4	921115	8	FLANGE, hose connecting (half only)
	916272	16	CAPSCREW, 3/8"NC x 1-1/4"
	904206	16	LOCKWASHER, 3/8"
5	924110	4	O-RING, hose connections at tube end
6	666575	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	662230	1	TUBE, raise line
	921467	1	CAP, flare fitting, 1/4" tube
	916316	1	CAPSCREW, 1/2"NC x 2-1/2"
	064531	1	WASHER, plain
	904208	1	LOCKWASHER, 1/2"
	911028	1	NUT, 1/2"NC
8	662231	1	TUBE, drop line
	921467	1	CAP, flare fitting, 1/4" tube
	916316	1	CAPSCREW, 1/2"NC x 2-1/2"
	064531	1	WASHER, plain
	904208	1	LOCKWASHER, 1/2"
	911028	1	NUT, 1/2"NC
9	921117	4	FLANGE, tube connecting
	916191	8	CAPSCREW, 7/16"NC x 1-1/2"
	904207	8	LOCKWASHER, 7/16"
10	924192	2	O-RING, tube connection at valve end
11	097413	2	BLOCK, tube spacing
12	670360	1	BRACKET, tube supporting
	915779	2	CAPSCREW, 1/2"NF x 2"
	064531	2	WASHER, plain
	904208	2	LOCKWASHER, 1/2"



HYDRAULIC TANK AND CONTROL VALVE

T-75426

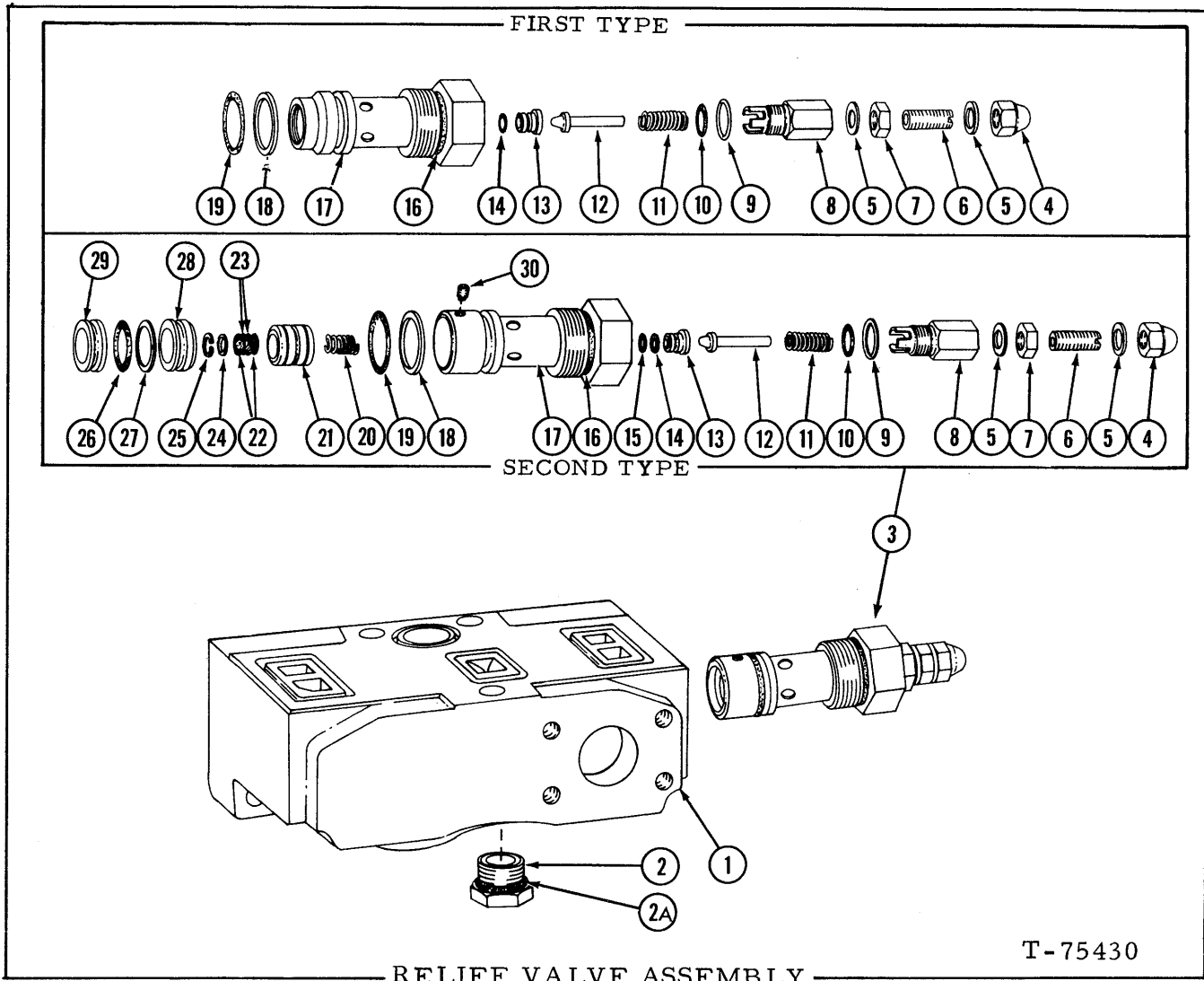
HYDRAULIC TANK AND CONTROL VALVE

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 (Tractors 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 273)
	70686090	1	VALVE ASSY. (Standard. Tractors unit #12714 thru #14987)(For operating dozer only)(See page 273)
	73110106	1	VALVE ASSY. (Standard. Tractors unit #14988 thru #15301)(For operating dozer only)(See page 273)
	73123044	1	VALVE ASSY. (Standard. Tractors unit #15302 and up)(For operating dozer only)(See page 273)
	70665122	1	VALVE ASSY. (Special. For operating dozer and ripper)(See page 273)
	70665121	1	VALVE ASSY. (Special. For operating dozer and hydraulic tilt)(See page 273)
	70662085	1	VALVE ASSY. (Special. Tractors prior to unit #12714)(For operating dozer, ripper and hydraulic tilt)(See page 273)
	70686070	1	VALVE ASSY. (Special. Tractors unit #12714 thru #14951)(For operating dozer, ripper and hydraulic tilt)(See page 273)
	73110105	1	VALVE ASSY. (Special. Tractors unit #14952 and up) (For operating dozer, ripper and hydraulic tilt) (See page 273)
	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 (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	3	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



USAGE: See page 273

*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. } Each includes items 4 thru 30)
	73122964	-	-	1	VALVE ASSY. }
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
10	70923846	1	1	-	O-RING
	70926842	-	-	1	O-RING

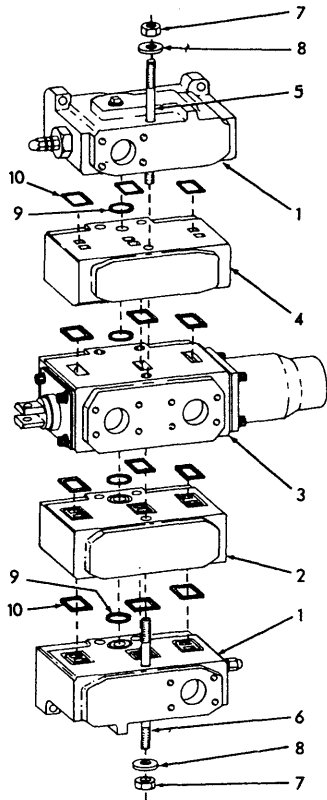
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(Revised June 1981)

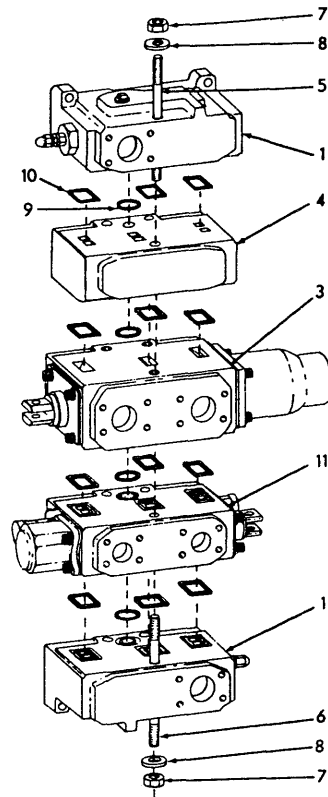
RELIEF VALVE ASSEMBLY (Continued)

ITEM	PART NO.	QUANTITY			DESCRIPTION
		*	**	***	
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

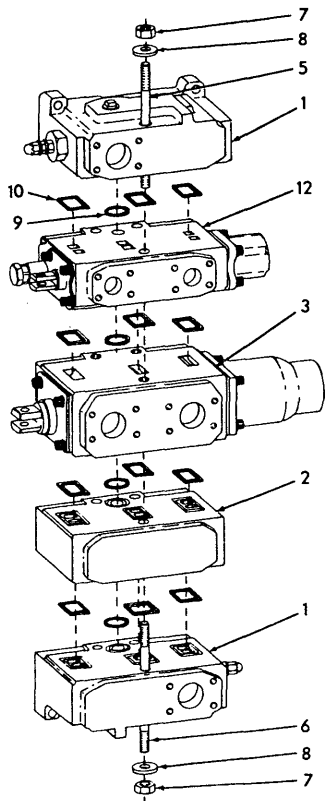
VALVE ASSY. 70660647, 70686090, 73110106



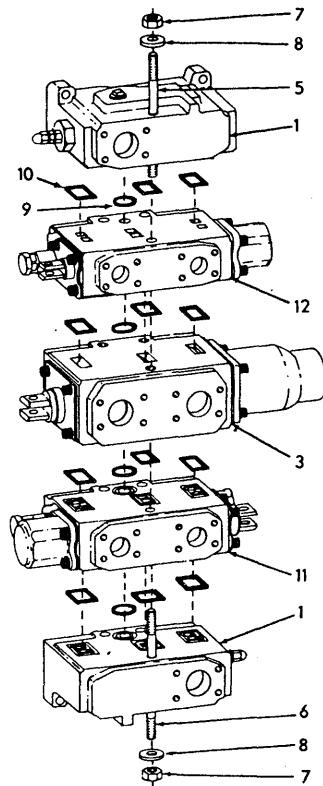
VALVE ASSY. 70665122



VALVE ASSY. 70665121



VALVE ASSY. 70662085, 70686070, 73110105



T-75429

CONTROL VALVES

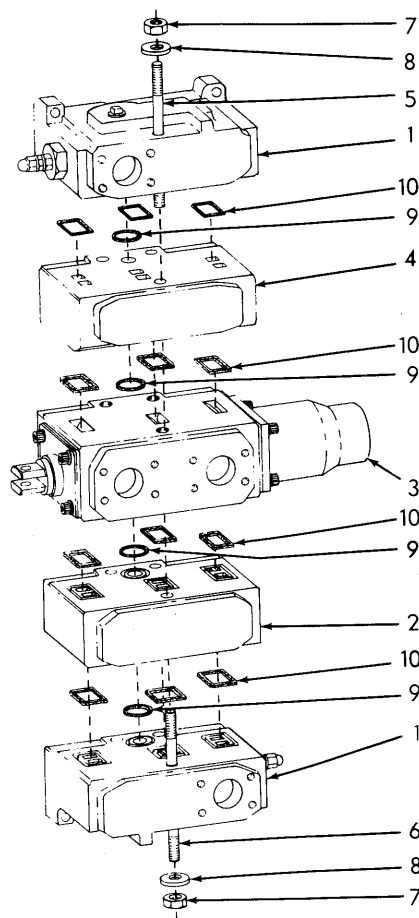
(Revised June 1981)

CONTROL VALVES

*70660647 VALVE ASSEMBLY
 **70665122 VALVE ASSEMBLY
 Δ70665121 VALVE ASSEMBLY
 ΔΔ70662085 VALVE ASSEMBLY
 □70686070 VALVE ASSEMBLY (First type)
 □73110105 VALVE ASSEMBLY (Second type)
 □□70686090 VALVE ASSEMBLY (First type)
 □□73110106 VALVE ASSEMBLY (Second type)

See
 page
 269

ITEM	PART NO.	QUANTITY						DESCRIPTION
		*	**	Δ	ΔΔ	□	□□	
1	70664533	2	2	2	2	2	2	VALVE ASSY., relief (See page 271 for parts)
2	70663725	1	-	1	-	-	-	SPACER
	70696088	-	-	-	-	-	1	SPACER
3	70664566	1	1	1	1	-	-	VALVE ASSY., dozer control (See page 276 for parts)
	70686100	-	-	-	-	1	1	VALVE ASSY., dozer control (First type)(See page 276 for parts)
	73109998	-	-	-	-	1	1	VALVE ASSY., dozer control (Second type)(See page 276 for parts)
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 274 for parts)
12	70660869	-	-	1	1	-	-	VALVE ASSY., dozer tilt control (See page 274 for parts)
	70685999	-	-	-	-	1	-	VALVE ASSY., tilt control (See page 274 for parts)

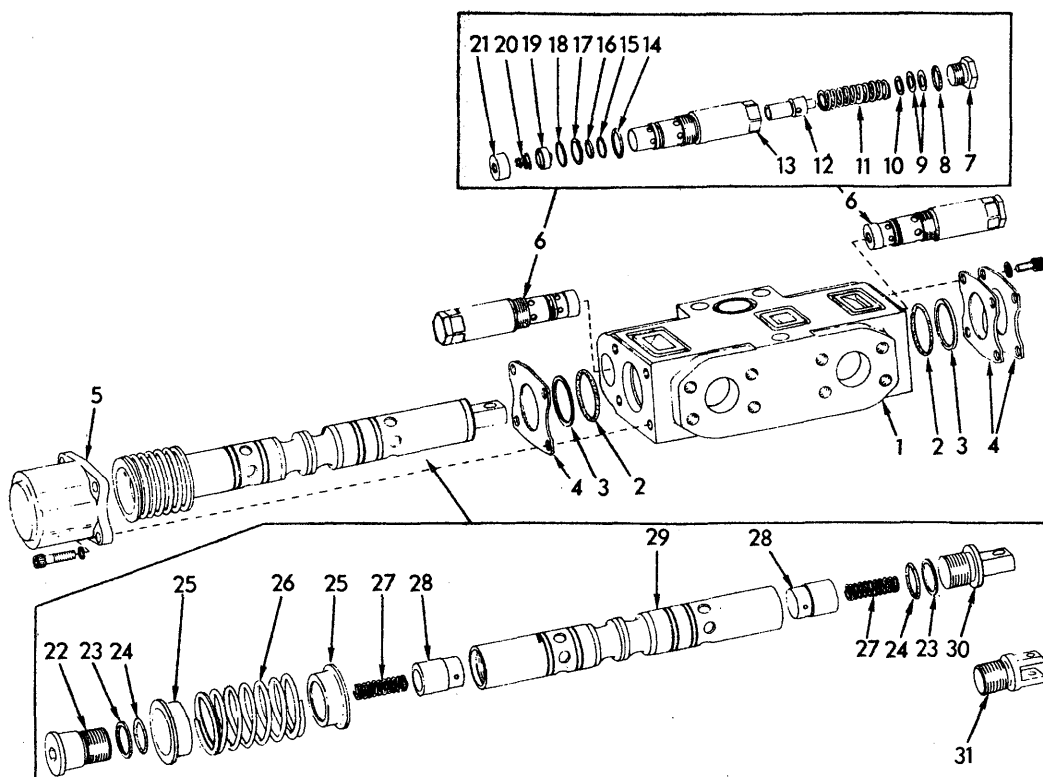


CONTROL VALVE

T-75429

USAGE: See page 269

ITEM	PART NO.	QTY.	DESCRIPTION
-	73123044	1	VALVE ASSY. (Includes items 1 thru 8)
1	73122965	2	VALVE ASSY., relief (See page 271)
2	73123042	1	SPACER
3	73122983	1	VALVE ASSY., dozer control (See page 276)
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



T-75431

CONTROL VALVE PARTS

* 70660869 VALVE ASSEMBLY, tilt control
 ** 70685999 VALVE ASSEMBLY, tilt control
 *** 70655655 VALVE ASSEMBLY, ripper control

See page
 273

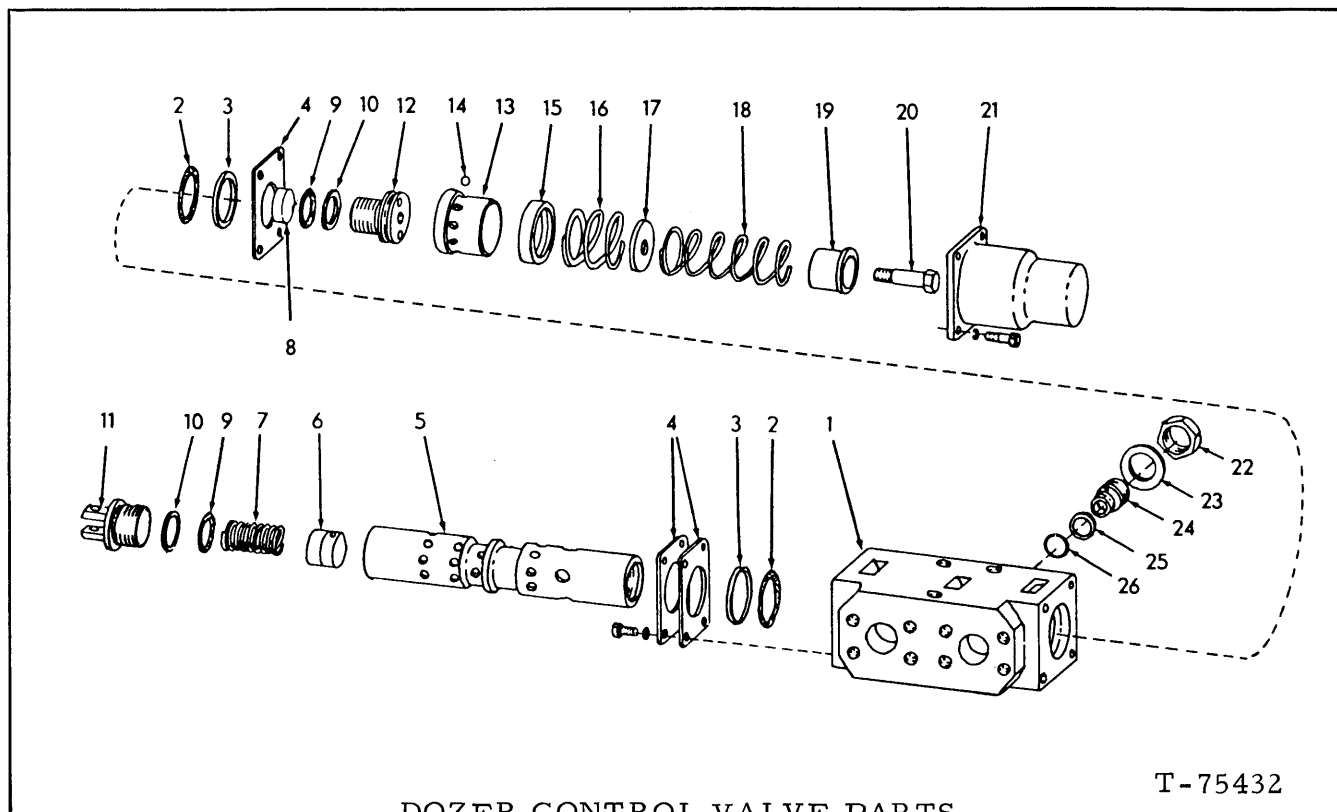
ITEM	PART NO.	QUANTITY			DESCRIPTION
		*	**	***	
1	-----	1	1	1	HOUSING (Not serviced separately)
2	70676693	2	-	-	O-RING
	70923813	-	2	-	O-RING
	70676692	-	-	2	O-RING
3	70664462	2	2	-	RING
	70658284	-	-	2	RING
4	70664464	3	3	-	PLATE
	70658286	-	-	3	PLATE
	70925192	4	4	4	CAPSCREW, socket-hd., 5/16"NC 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)

(Revised July 1976)

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)
	70911992	1	1	1	WASHER (1/16" thick)
					} Use as required
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 valves)
	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



DOZER CONTROL VALVE PARTS

T-75432

USAGE: See page 273

*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
	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)

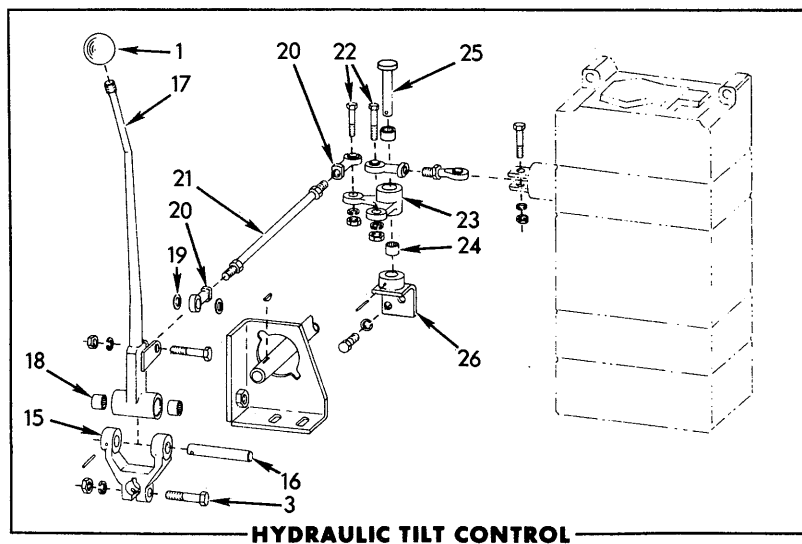
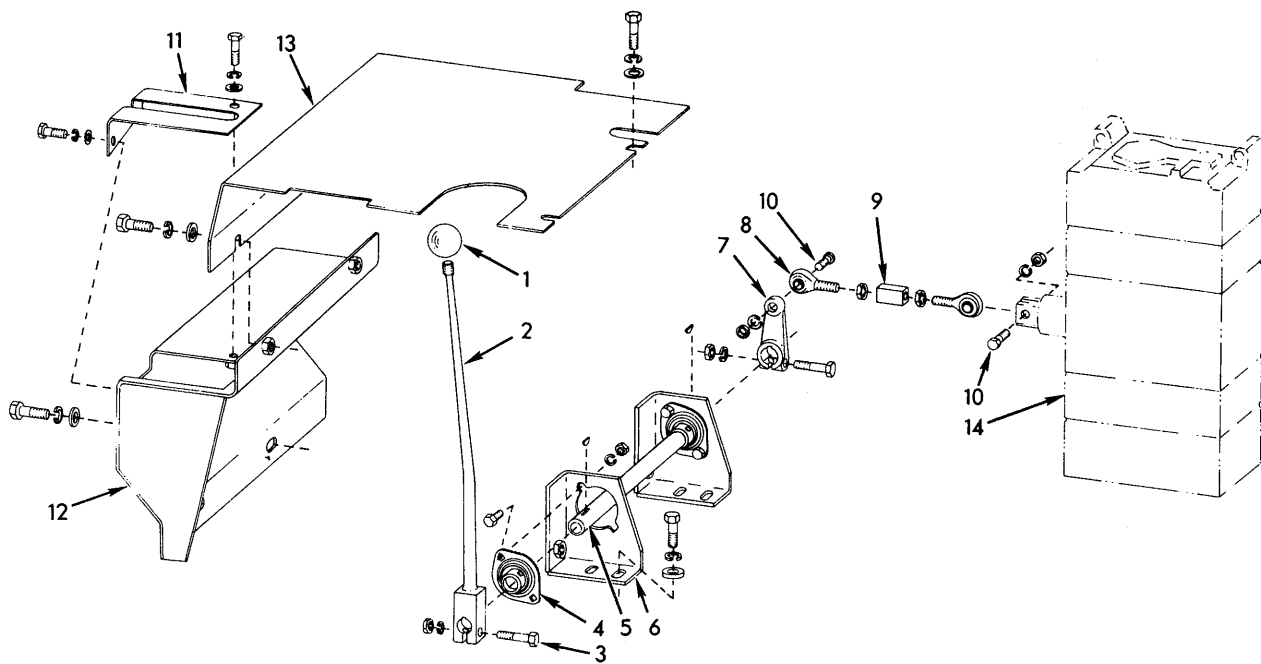
(Continued)

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

(Revised June 1981)



VALVE CONTROLS

USAGE: Tractors with hydraulic dozer

* Units without hydraulic tilt

** Units with hydraulic tilt

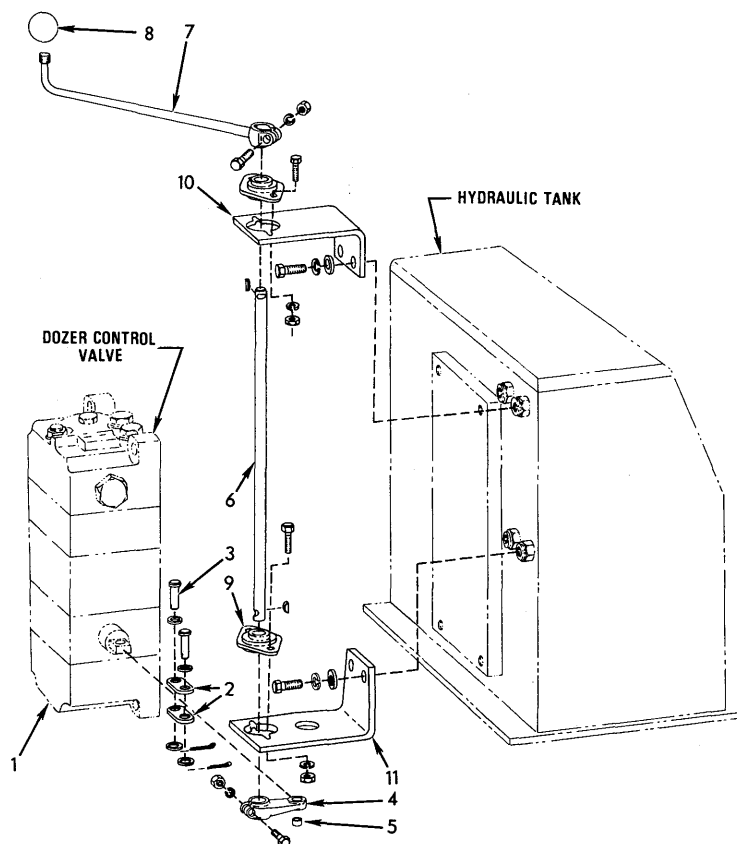
ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
1	70090020	1 1	KNOB, operating lever
2	70662156	1 -	LEVER, operating
3	70922287	2 3	CAPSCREW, operating lever (3/8"NC x 1-3/4"
	70910287	2 3	LOCKWASHER, 3/8"
	70911026	2 3	NUT, 3/8"NC
4	70666630	2 2	BEARING, operating lever shaft (self-aligning)
	70927373	4 4	CAPSCREW, 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
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
12	70669739	1 1	COVER, valve, front
	70927172	2 2	CAPSCREW, 1/2"NC x 1-1/8"
	70677008	2 2	WASHER
13	70665635	1 1	COVER, valve, top
	70927172	4 4	CAPSCREW, 1/2"NC x 1-1/8"
	70677008	4 4	WASHER
14	-----	1 1	VALVE ASSY., control (See G-14)
15	70659338	- 1	LEVER, pivot
16	70655418	- 1	SHAFT, pivot
	70915797	- 1	PIN, spring, 3/16" x 1-1/4"

(Continued)

(Revised July 1976)

VALVE CONTROLS (Continued)

ITEM	PART NO.	QTY. * **	DESCRIPTION
17	660101	- 1	LEVER, operating
18	655215	- 2	BEARING, needle, operating lever
19	078402	- 2	WASHER, spacing
20	617932	- 3	END, ball (female thread)
21	657290	- 1	ROD, control
	911041	- 2	NUT, 3/8"NF
22	921565	- 3	CAPSCREW, 3/8"NC x 1-1/2"
	910287	- 3	LOCKWASHER, 3/8"
	911026	- 3	NUT, 3/8"NC
23	659340	- 1	LEVER, bellcrank
24	655215	- 2	BEARING, needle, bellcrank lever
25	655211	- 1	PIN, bellcrank lever
	915797	- 1	PIN, spring, 3/16" x 1-1/4"
26	659347	- 1	ANGLE, bellcrank lever mounting
	922763	- 2	CAPSCREW, 3/8"NC x 1"
	910287	- 2	LOCKWASHER, 3/8"



AUXILIARY VALVE CONTROL

T-75814

AUXILIARY VALVE CONTROL

USAGE: Units equipped with ripper or other allied equipment. See page 279 for basic dozer controls.

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	VALVE ASSY. (See page 273)
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" x 1"
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, plain
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, plain

(Revised July 1976)

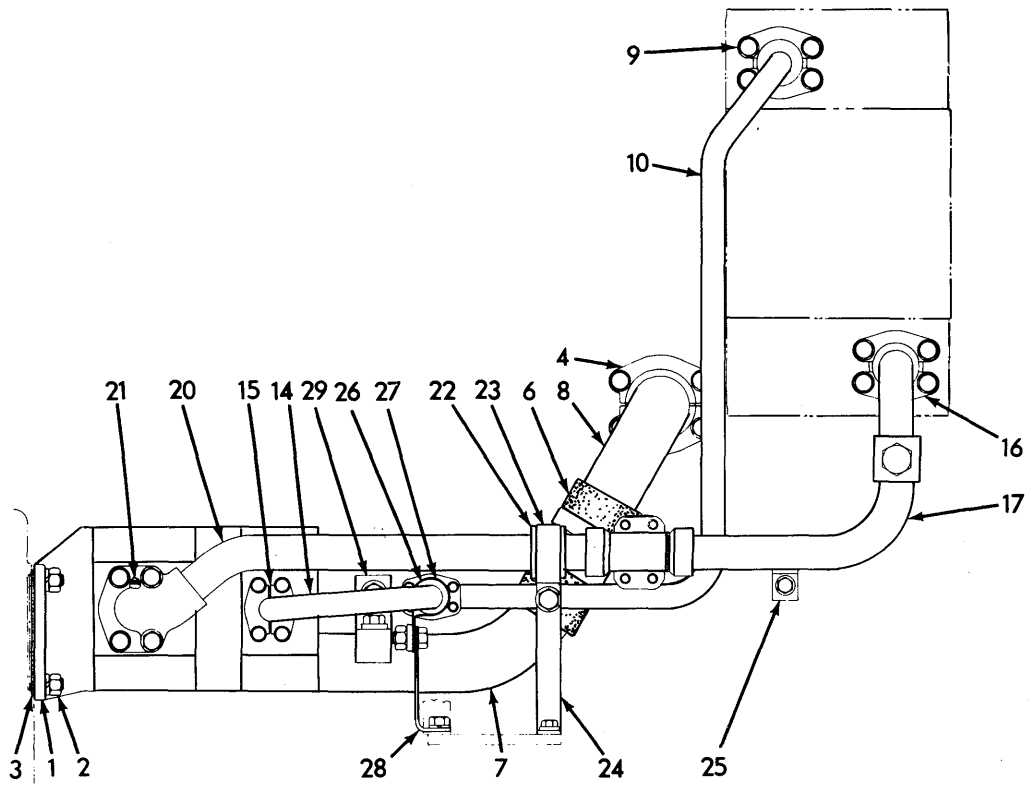
MEMO

OIL PUMP AND LINES

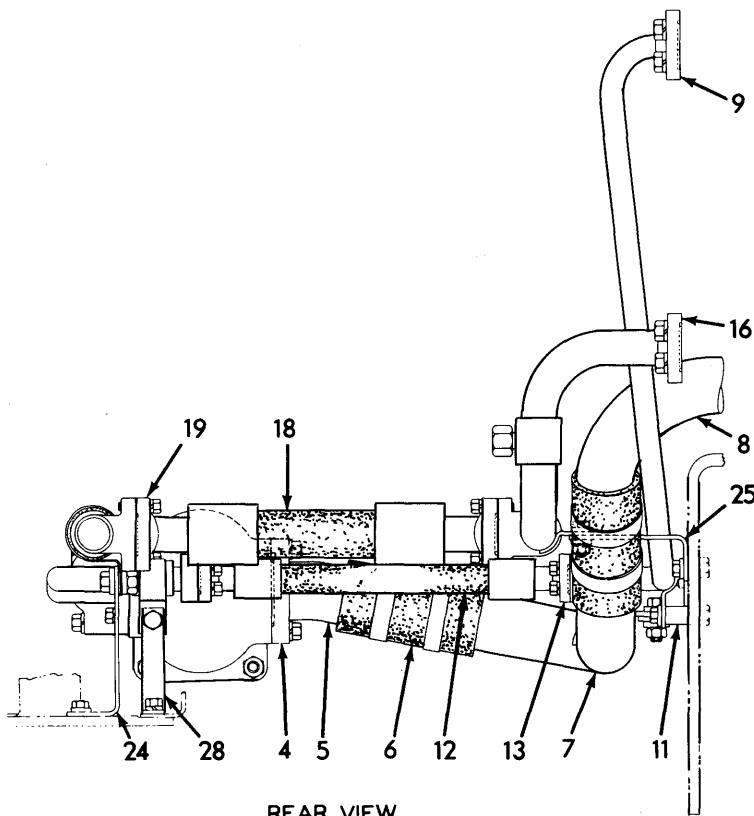
ITEM	PART NO.	QTY.	DESCRIPTION	
1	-----	1	PUMP ASSY., oil (See page 287)	
2	70604241	4	STUD, 1/2"NC x 1-7/8"	
	70912441	4	LOCKWASHER, 1/2"	
	70914012	4	NUT, 1/2"NC	
3	70923822	1	O-RING, pump	
4	70921599	4	FLANGE, suction line (half-only)	
	70920584	8	CAPSCREW, 1/2"NC x 1-5/8"	
	70912441	8	LOCKWASHER, 1/2"	
	70924686	2	O-RING, suction line	
5	70670533	1	TUBE, suction line (front)	
6	70665278	2	HOSE, suction line	
	70927141	4	CLAMP, hose, 2-7/8" to 3-3/16" diam.	
7	70670528	1	TUBE, suction line (intermediate)	
	70920583	1	CAPSCREW, 1/2"NC x 1-1/2"	
	70677008	2	WASHER, plain	
	70911028	1	NUT, 1/2"NC	
8	70667532	1	TUBE, suction line (rear)	
9	70921118	2	FLANGE, high-pressure line	} Valve end
	70920583	4	CAPSCREW, 1/2"NC x 1-1/2"	
	70912441	4	LOCKWASHER, 1/2"	
	70924193	1	O-RING, high-pressure line	
10	70670529	1	TUBE, high-pressure line (upper	
	70920996	1	CAPSCREW, 3/8"NC x 2-1/4"	
	70677006	1	WASHER, plain	
11	70639222	1	SLEEVE, spacing	
12	70670475	1	HOSE, high-pressure line (See HOSE PARTS)	
13	70921115	4	FLANGE, high-pressure line	} Intermediate
	70921076	8	CAPSCREW, 3/8"NC x 1-1/4"	
	70910287	8	LOCKWASHER, 3/8"	
	70924110	2	O-RING, high-pressure line	
14	70670936	1	TUBE, high-pressure line (lower)(First type)(6-1/2" tube opening centers)	
	70688613	1	TUBE, high-pressure line (lower)(Second type)(7" tube opening centers)	
15	70921116	2	FLANGE, high-pressure line	} Pump end
	70921076	4	CAPSCREW, 3/8"NC x 1-1/4"	
	70910287	4	LOCKWASHER, 3/8"	
	70924200	1	O-RING, high-pressure line	
16	70921118	2	FLANGE, low-pressure line	} Valve end
	70920583	4	CAPSCREW, 1/2"NC x 1-1/2"	
	70912441	4	LOCKWASHER, 1/2"	
	70924193	1	O-RING, low-pressure line	

(Continued)

(Revised July 1976)



SIDE VIEW



REAR VIEW

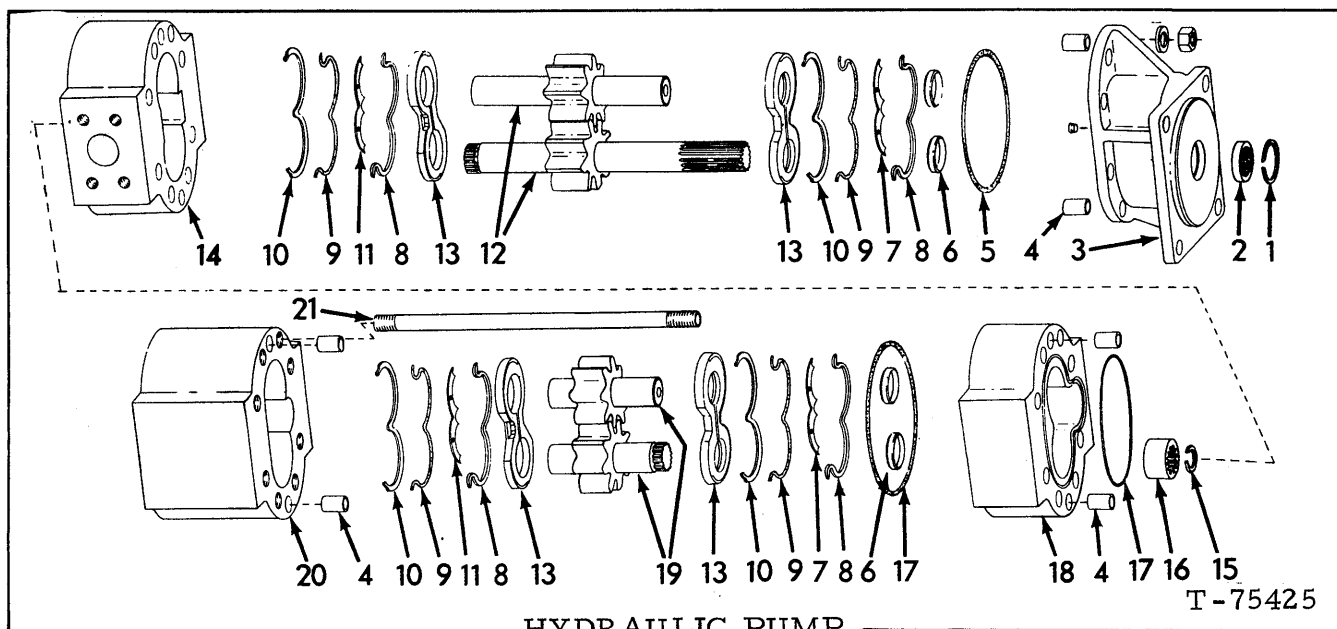
OIL PUMP AND LINES

T-76417

(Revised December 1974)

OIL PUMP AND LINES (Continued).

ITEM	PART NO.	QTY.	DESCRIPTION	
17	0670526	1	TUBE, low-pressure line (upper)	
	0921076	1	CAPSCREW, 3/8"NC x 1-1/4"	
	0677006	2	WASHER, plain	
	0911026	1	NUT, 3/8"NC	
	0921244	1	CAP, flare fitting, 3/4" tube	
18	0670476	1	HOSE, low-pressure line (See HOSE PARTS)	
19	0921117	4	FLANGE, low-pressure line	} Intermediate
	0923192	8	CAPSCREW, 7/16"NC x 1-1/2"	
	0914678	8	LOCKWASHER, 7/16"	
	0924192	2	O-RING, low-pressure line	
20	0670621	1	TUBE, low-pressure line (lower)	
	0920583	2	CAPSCREW, 1/2"NC x 1-1/2"	
	0922510	2	CAPSCREW, 1/2"NC x 2-3/4"	
	0912441	4	LOCKWASHER, 1/2"	
21	0924193	1	O-RING, low-pressure line (lower)	
22	0670517	1	BOOT, tube protecting	
23	0618913	1	CLIP, tube supporting	
	0920574	1	CAPSCREW, 1/2"NC x 1-3/8"	
	0677008	2	WASHER, plain	
	0911028	1	NUT, 1/2"NC	
24	0670514	1	ANGLE, tube supporting	
	0921565	1	CAPSCREW, 3/8"NC x 1-1/2"	
	0044973	1	WASHER, plain	
25	0670515	1	ANGLE, tube supporting	
	0927157	1	CAPSCREW, 3/8"NC x 1-3/8"	
	0677006	1	WASHER, plain	
26	0670516	1	BOOT, tube protecting	
27	0618024	1	CLIP, tube supporting	
	0927172	1	CAPSCREW, 1/2"NC x 1-1/4"	
	0677008	1	WASHER, plain	
	0911028	1	NUT, 1/2"NC	
28	0670511	1	ANGLE, tube supporting	
	0927225	1	CAPSCREW, 3/8"NC x 1-5/8"	
	0904206	1	LOCKWASHER, 3/8"	
29	0667597	1	ANGLE, tube supporting	
	0920583	1	CAPSCREW, 1/2"NC x 1-1/2"	
	0677008	1	WASHER, plain	



USAGE: See page 283

*First type. (Used prior to approximately January 1973.

Has 2" wide center body)

**Second type. (Effective approximately January 1973.

Has 2-7/16" wide center body)

ITEM PART NO. QTY. DESCRIPTION

* **

NOTE: The term "front" as used herein refers to the drive end of the pump

-	-----	1	-	PUMP ASSY. (Order PUMP ASSY. 70683965 and TUBE 70688813	} Each includes items 1 thru 21
-	70683965	-	1	PUMP ASSY.	
1	70194166	1	1	RING, snap, seal retaining	
2	70194165	1	1	SEAL, oil	
3	70663327	1	-	FLANGE ASSY., mounting (Includes PLUG indented below)	
	70910231	1	-	PLUG, pipe, hex-socket, 1/8"NPT	
	70696223	-	1	FLANGE, mounting	
4	70194132	6	6	DOWEL, pump body	
5	70925655	1	-	O-RING, mounting flange	
	70925743	-	1	O-RING, mounting flange	
6	70664694	4	-	□RING, seal positioning	
7	70665098	2	2	□PLATE, isolation	
8	70665096	4	4	□RING, back-up (teflon)	
9	70665097	4	4	□RING, sealing (rubber)	
10	70665099	4	4	□RETAINER, seal ring (nylon)	
11	70665095	2	2	□PLATE, isolation	
12	70663363	1	-	GEAR KIT, front pump	} Each consists of 2 matched gears. (Includes shafts)
	70686005	-	1	GEAR KIT, front pump	

(Continued)

HYDRAULIC PUMP (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
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
	70924920	- 2	O-RING, center body
18	70663304	1 -	BODY ASSY., center (2" wide)
	70694580	- 1	BODY ASSY., center (2-7/16" wide)
19	70663365	1 -	GEAR KIT, rear pump
	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	8 8	NUT, 1/2"NF
	70651109	8 8	WASHER, plain
22	70665141	2 2	SEAL KIT (Consists of items 6 thru 11; includes half of quantities listed above)

□ Components of item 22

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