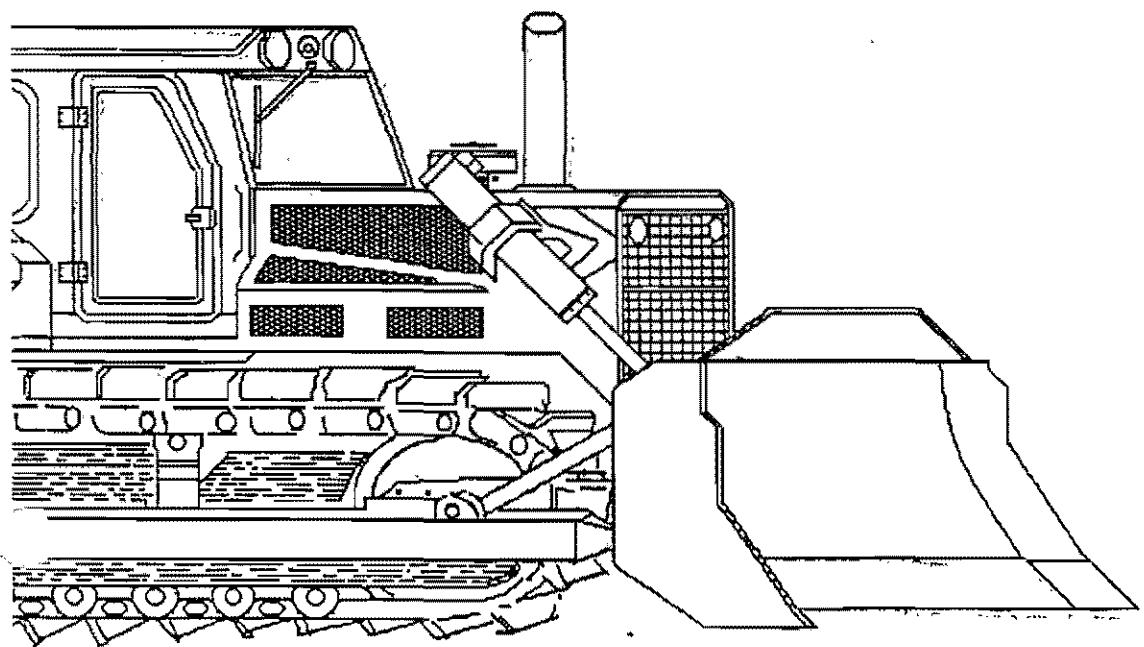


# **HD-11EP**

**CRAWLER TRACTOR**

**Parts Catalog**



Form 70651804  
English 1/89

## AVOID ACCIDENTS

Most accidents, whether they occur in industry, on the farm, at home or on the highway, are caused by the failure of some individual to follow simple and fundamental safety rules or precautions. For this reason **MOST ACCIDENTS CAN BE PREVENTED** by recognizing the real cause and doing something about it before the accident occurs. Regardless of the care used in the design and construction of any type of equipment there are many conditions that cannot be completely safeguarded against without interfering with reasonable accessibility and efficient operation.

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

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

NATIONAL SAFETY COUNCIL

### WARNING

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

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

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

# **HD-11EP**

crawler tractor

## **parts catalog**

S/N 10001 - 14650  
46Y14651 - UP

Form 70651804 English  
(SAME AS 0651804-7)

PUBLICATIONS AVAILABLE  
FOR  
MODEL 11-EP CRAWLER TRACTOR

<u>DESCRIPTION</u>	<u>SERIAL NO.</u>	<u>FORM NO.</u>			
		ENGLISH	ESPAÑOL (Spanish)	PORTUGUES (Portuguese)	FRANCAIS (French)
<u>PARTS CATALOGS</u>					
Crawler Tractor . . . . .	All 70651804				
75 Cable Control Unit . . . . .	All 70626048				
F100 Cable Control Unit. . . . .	All 70626163				
Dozers. . . . .	All 70669316				
Independent Hydraulic Systems . .	All 70646888				
Injection Pump (American Bosch). . . Pr. S/N 12201	70643833				
Injection Pump (Roosa Master) . . . S/N 12201-up	70685399				
TR11 Ripper . . . . .	All 70647078				
11R Ripper. . . . .	All 70657920				
<u>OPERATOR'S MANUALS</u>					
HD-11EP . . . . .	Pr. S/N 12201 70645227	70628298	70628299	70628306	
HD-11EP . . . S/N 12201 thru 13366	70651803	70662869	70662870	70662871	
HD-11EP . . . . . S/N 13367-up	70666685				
Dozers and Cable Control Units. . . . .	Pr. S/N 12201 70626110				
<u>SERVICE MANUALS</u>					
Dozers and Cable Control Units . . All	70644308	70647070	70671611	70647495	
Electrical System . . . . .	All 70696657				
Engine(10000 & 11000) . . . . .	All 70645121	70650410	70650411	70650412	
Final Drives . . . . .	All 70682019	70685193	70656637	70656636	
Injection Nozzles and Holders . . All	70682797				
Injection Pump (American Bosch). . . Pr. S/N 12201	70657398				
Injection Pump (Roosa Master) . . . S/N 12201-up	70656820				
Steering Clutches and Brakes. . . . .	Pr. S/N 12201 70690347	70656639	70656640	70656641	
Steering Clutches and Brakes. . . . . S/N 12201-up	70654795	70659067	70659068	70659069	
Torque Converter, Transmission, Bevel Gear and U-Joint . . . . . Pr. S/N 13367	70647920	70656627	70656628	70656629	
Torque Converter, Transmission, Bevel Gear and U-Joint . . . . . S/N 13367-up	70666686	70683804			
Track Frames and Tracks. . . . .	All 70645550	70650413	70650414	70650415	
Turbocharger (TE-06) . . . . .	70677064	70678570	70679482	70678727	
Turbocharger (T-04). . . . .	70687805	70679633	70679634	70679635	

## **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)*

## MODEL IDENTIFICATION

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

MODEL SYMBOL	ENGINE MODEL	DESCRIPTION
HD-11EP	11000	23,000 pound crawler tractor, 2 speed power-shift transmission, hydraulic torque converter drive, turbo-charged diesel engine.

## RECORD YOUR SERIAL NUMBERS BELOW

TRACTOR SERIAL NO. \_\_\_\_\_

ENGINE SERIAL NO. \_\_\_\_\_  
\_\_\_\_\_

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## SERIAL NUMBER LOCATIONS

TRACTOR SERIAL NO. On main housing at the upper right hand corner of the rear face and vertically on right hand side of the rear edge. Also on small plate attached to the cowl.

ENGINE SERIAL NO. On plate attached to the left hand side of the cylinder block near the rear end. Also on small plate attached to the cowl.

## MODEL SERIAL NUMBER

NOTE: Effective in 1969, the model serial numbering system was changed. Under the prior system, models were numbered consecutively in numerals only. Thereafter, models are identified by an 8-character combination of letters and numerals

**\*SERIAL NUMBER,** 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.
HD-11EP	4 6 Y 1 4 6 5 1

## ALPHABETICAL INDEX

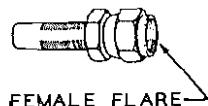
Air Cleaner -----	99, 101, 103, 107	Fan Guard -----	121
Air Cleaner Extension -----	103	Filters -----	
Air Heater -----	110	Engine Oil -----	43, 47
Air Restriction Indicator -----	99, 101, 103	Fuel -----	51, 52, 54
Batteries and Cables -----	329, 333	Heavy-Duty Fuel -----	51
Battery Box Lock -----	337, 338	Heavy-Duty Oil -----	47
Battery Boxes -----	335, 337	Steering Oil -----	213, 217
Belt, drive -----	123, 326	Transmission Oil -----	165, 169, 173
Belt, seat -----	311	Final Drive -----	
Bevel Gear and Shaft -----	200	Housing -----	195
Bottom Guards -----	259	Intermediate Shaft -----	201, 202
Brake Control -----	241, 243	Pinion Shaft -----	204
Brake Drum -----	204	Outboard Bearing and Seal -----	207
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Camshaft -----	33	Floor -----	308, 309
Connecting Rod -----	19	Flywheel and Housing -----	26
Control Valve and Lines -----	222, 223	Front Fenders -----	299
Conversion Tables -----	12	Fuel Lines -----	59, 60
Cowl -----	300, 301	Fuel Tank -----	55, 56
Crankcase Guard -----	257, 259	Fuel Tank and Seat Guard -----	354, 355
Crankshaft -----	24	Gauges -----	
Cylinder Block -----	17	Air Restriction Indicator -----	99, 101, 103
Cylinder Head -----	29	Ammeter -----	339, 340
Cylinder Sleeve -----	17	Bevel Gear Comp. Oil Level -----	195
Drawbar -----	263, 264	Engine Oil Level -----	36
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Fuel Filter -----	48, 49, 52, 54	Fuel Pressure -----	346, 347
Heavy-Duty Fuel Filter -----	48, 49	Hour Meter -----	352
Heavy-Duty Oil Filter -----	48, 49	Track Wear -----	357
Hydraulic Steering Control Filter -----	220, 221	Transmission Hydraulic Pressure -----	345
Hydraulic Steering Control Strainer -----	218	Transmission Lube Oil Pressure -----	344
Transmission Breather -----	151	Transmission Oil Level -----	153
Transmission Oil Filter -----	174	Generator -----	326
Engine Breather -----	31	Generator Regulator -----	325
Engine Decelerator -----	83, 84	Governor Control Linkage -----	85
Engine and Mounting -----	14	Ground Speed Governor -----	183
Engine Oil Pump -----	37, 41	Heat Exchanger -----	128, 129
Engine Primer -----	109	Hood -----	302
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Equalizing Spring -----	266	Hydraulic Track Adjuster -----	285, 287
Exhaust Pipe -----	91, 92	Hydraulic Steering Control -----	213, 217
Exhaust Pipe Extension -----	92	Injection Fuel Return Lines -----	69, 71
Fan -----	121	Injection Nozzles and Lines -----	65, 67
Fan Drive -----	123	Injection Pump -----	61, 62

## ALPHABETICAL INDEX

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Lights		Steering Levers and Linkage -----	229, 233, 237
Dash -----	339, 340	Steering Pump Drive -----	34, 35
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Rear Flood -----	350	Tail Light -----	348
Tail -----	348	Thermostat -----	126
Lights and Wiring -----	319, 321	Throttle Control -----	73, 75, 79, 83, 84
Lubricating Oil Filter and Cooler -----	43	Timing Gear Housing -----	21, 23
Main Frame -----	256	Timing Gears -----	24, 33, 61, 62
Main Housing -----	195	Tools -----	357
Manifolds		Torque Converter and Flywheel Housing Drain -----	145
Exhaust -----	90	Torque Converter and Lines -----	130, 132
Intake -----	90	Torque Converter Seal Drain -----	143
Water Outlet -----	126	Track -----	288
Numerical Index -----	358	Track Carrier Roller -----	281
Oil Cooler -----	43	Track Frame -----	271
Oil Pan -----	36	Track Idler -----	283
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Painting and Marking -----	316	Track Roller -----	277, 279
Parking Brake -----	255	Track Roller Guards -----	272, 273, 275
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Pull Hook -----	256	Assembly -----	148
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Engine Pressure Oil -----	37	Clutch Shafts -----	155
Engine Primer -----	109	Input Shaft -----	159
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Transmission Oil -----	139, 165, 169	Turbocharger -----	95
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Radiator -----	114	Air Heater Check -----	110
Radiator Guard -----	291, 293, 297	Brake -----	247
Radiator Screen -----	114	Engine Oil Pressure Regulating -----	17
Radiator Support -----	118	Exhaust -----	29
Raincap -----	92, 99, 103	Fuel Injection Pressure Relief -----	69
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Rear Flood Light -----	350	Intake -----	29
Rigid Beam -----	269	Pressure Oil Pump Relief -----	37
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Speed Control Piping -----	190, 191	Steering Control -----	222, 223
Speed Control Valve -----	187	Transmission Pressure Relief -----	162
Starter -----	324	Valve Operating Mechanism -----	33
Steering Clutch & Final Drive Housing -----	195	Water Outlet Manifold -----	126
Steering Clutches -----	199	Water Pump -----	124

NIPPLES

TYPE A



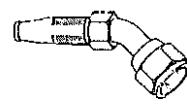
FEMALE FLARE

TYPE B

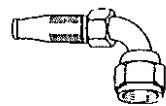


MALE FLARE

TYPE D



TYPE E

SOCKETSHOSE

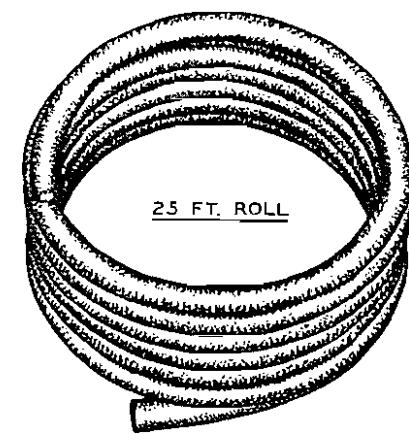
TYPE H



TYPE K



TYPE L



25 FT. ROLL

HOSE PARTS

T-72369

**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 reusable components; where no assembly number is listed, hose assembly is not available from factory but may be constructed in the field from data indicated.

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)
			Including SOCKET	NIPPLE only	Type	Including SOCKET	NIPPLE only	Type		Part No.	X Dim	
74335583	70919196	10-1/8	70920847	70920301	A	70920862	70919194	E	70919143			
74335931	70919196	. 7	70920862	70919194	<sup>E</sup> <sub>short</sub>	70920869	70919253	<sup>E</sup> <sub>long</sub>	70919143			
74339568	70920388	30		70920806	A		70920806	A	None			
74339569	70920388	26		70920806	A		70920806	A	None			
74357430	70920388	12-3/4		70920806	A		70920806	A	None			
74354675	70919217	13	70920849	70920302	A	70920849	70920302	A	70919075			
74376906	70919196	16-3/8	70920847	70920301	A	70920862	70919194	E	70919143			
	70919156	12-1/8	70920850	70920303	A	70920865	70919081	E	70919076			70637871
	70919155	22-1/4	70920857	70919079	B	70920879	70919159	D	70919975			70637872





## PACKAGED PARTS

PACKAGE NUMBER	DESCRIPTION
-----	
	CLUTCH KIT, over-running, torque converter (See page 135)
4354291	GASKET KIT, cylinder head
	4 70923574 O-RING, water by-pass tube (Discard. Not used)
	4 70923813 O-RING, water manifold tube
	1 74300145 GASKET, water outlet elbow
	2 74336148 GASKET, rocker cover
	4 74336182 GASKET, water manifold
	1 74336263 GASKET, thermostat housing
	1 74336266 GASKET, water elbow (Discard. Not used)
	2 74337764 GASKET, valve lifter cover
	6 74338511 GASKET, exhaust manifold
	6 74346138 GASKET, intake manifold
	2 74348133 GASKET, breather tube
	1 74354294 GASKET ASSEMBLY, front cylinder head
	1 74354295 GASKET ASSEMBLY, rear cylinder head
	6 74378031 GASKET, injection nozzle
4339826	GASKET KIT, intermediate, cylinder block (Tractors prior to #12201)
	2 70035249 GASKET, oil drain plug
	2 70923376 O-RING, flywheel housing dowel
	1 70923589 O-RING, fan drive
	1 70923815 O-RING, camshaft hole plug
	1 70923816 O-RING, flywheel to crankshaft
	1 74253818 O-RING, steering pump drive
	1 74335056 GASKET, water pump volute
	1 74336436 GASKET, oil drain flange
	1 74336676 GASKET, timing hole cover
	1 74336897 RING, sealing, flywheel housing to crankcase
	1 74339150 GASKET, filter head to block
	1 74339151 GASKET, oil cooler to block
	1 74346169 GASKET, oil pipe
	2 74346441 GASKET, oil pipe
	1 74346456 GASKET, water inlet pipe
	1 74346744 GASKET, water pump
	1 74347031 GASKET, water by-pass flange
	1 74347120 GASKET, oil filler hole cover
	1 74348126 GASKET, timing gear cover
	1 74348136 GASKET, timing gear housing
	1 74348184 GASKET, filter head to block
	1 74348185 GASKET, oil cooler water inlet
	2 74348215 GASKET, oil pipe
	1 74348218 GASKET, oil pipe
	1 74362458 GASKET, oil pump cover
	2 74373069 GASKET, oil pan cover
4359122	GASKET KIT, intermediate, cylinder block (Tractors #12201 and up)
	2 70035249 GASKET, oil drain plug
	2 70923376 O-RING, flywheel housing dowel
	1 70923589 O-RING, fan drive (Early units)
	1 70923814 O-RING, steering pump drive
	1 70923815 O-RING, camshaft hole plug
	1 70923816 O-RING, flywheel to crankshaft
	1 70923820 O-RING, fan drive (Late units)
	1 70924139 O-RING, injection pump mounting cover
	1 74335056 GASKET, water pump volute
	1 74336436 GASKET, oil drain flange
	1 74336676 GASKET, timing hole cover
	1 74336897 RING, sealing, flywheel housing to crankcase

(Continued)

## PACKAGED PARTS

## PACKAGE NO.

74359122  
(Continued)

## DESCRIPTION

GASKET KIT, intermediate, cylinder block (tractors #12201 and up)

1	74339150	GASKET, filter head to block
1	74339151	GASKET, oil cooler to block
1	74346169	GASKET, oil pipe
2	74346441	GASKET, oil pipe
1	74346456	GASKET, water inlet pipe
1	74346744	GASKET, water pump
1	74347031	GASKET, water by-pass flange
1	74347120	GASKET, timing hole cover
1	74348126	GASKET, timing gear cover
1	74348136	GASKET, timing gear housing
1	74348184	GASKET, filter head to block
1	74348185	GASKET, oil cooler water inlet
2	74348215	GASKET, oil pipe
1	74348218	GASKET, oil pipe
1	74354163	GASKET, timing gear cover
1	74354304	GASKET, fan hole bracket
1	74354415	GASKET, (Discard. Not for HD-11)
1	74362458	GASKET, oil pump cover
2	74373069	GASKET, oil pan cover

-----  
GASKET KIT, turbocharger mounting (See TURBOCHARGER)

74321188

OIL PUMP CONVERSION KIT (Includes "ACULOP" pump,  
and necessary piping, and oil pan)(Also order 1 Gauge  
74320898 and 1 Adapter 74354656)

3	70035250	PLUG, oil drain
3	70667252	GASKET, drain plug
2	70907863	LOCKWASHER, int.-tooth, 7/16"
4	70910287	LOCKWASHER, 3/8"
29	70913544	WASHER, plain
5	70912369	WASHER, plain
2	70912441	LOCKWASHER, 1/2"
22	70914847	CAPSCREW, 3/8"NC x 1-1/2"
2	70916271	CAPSCREW, 3/8"NC x 1"
2	70916311	CAPSCREW, 1/2"NC x 1-1/4"
4	70916279	CAPSCREW, 5-1/16"NC x 1-1/2
4	70916543	LOCKWASHER, int.-tooth, 3/8"
2	70916871	NUT, elastic stop, 5/16"NC
1	70919784	CAPSCREW, 5/16"NC x 4"
4	70921076	CAPSCREW, 3/8"NC x 1-1/4"
4	70923193	CAPSCREW, 3/8"NF x 1-1/4"
2	70923470	CAPSCREW, plated, 3/8"NC x 1-1/2"
2	70928212	NUT, 7/16"NC
1	70930924	O-RING
5	74255916	CAPSCREW
1	74320597	VALVE
1	74320876	OIL PAN
1	74320889	TUBE
2	74320891	TUBE
1	74320893	BRACKET
1	74320894	OIL PUMP

(Continued)

## PACKAGED PARTS

### PACKAGE NO.

### DESCRIPTION

74321188

(Continued)

OIL PUMP CONVERSION KIT (Includes "ACULOP" pump,  
and necessary piping , and oil pan)(Also order 1 Gauge  
74320898 and 1 Adapter 74354656)

1	74320906	GAUGE
1	74320916	GASKET
1	74321052	ELBOW
1	74321053	U-BOLT
1	74321087	BRACKET
1	74321893	GASKET
1	74354656	ADAPTER
2	74371253	DOWEL
2	74393359	GASKET

74358752

PISTON AND SLEEVE KIT

2	74255465	RETAINER, piston pin
1	74336578	RING SET, piston
1	74337395	PIN, piston
2	74337972	O-RING, cylinder sleeve
1	74338648	SLEEVE, cylinder
1	74358730	PISTON

----- RING KIT, transmission (See page 157)

----- RING SET, piston (See PISTON AND CONNECTING ROD)

----- SEAL KITS, final drive (See pages 207 and 209)

----- SEAL KIT, track roller (See pages 277 and 279)

----- SEAL KIT, track idler (See page 283)

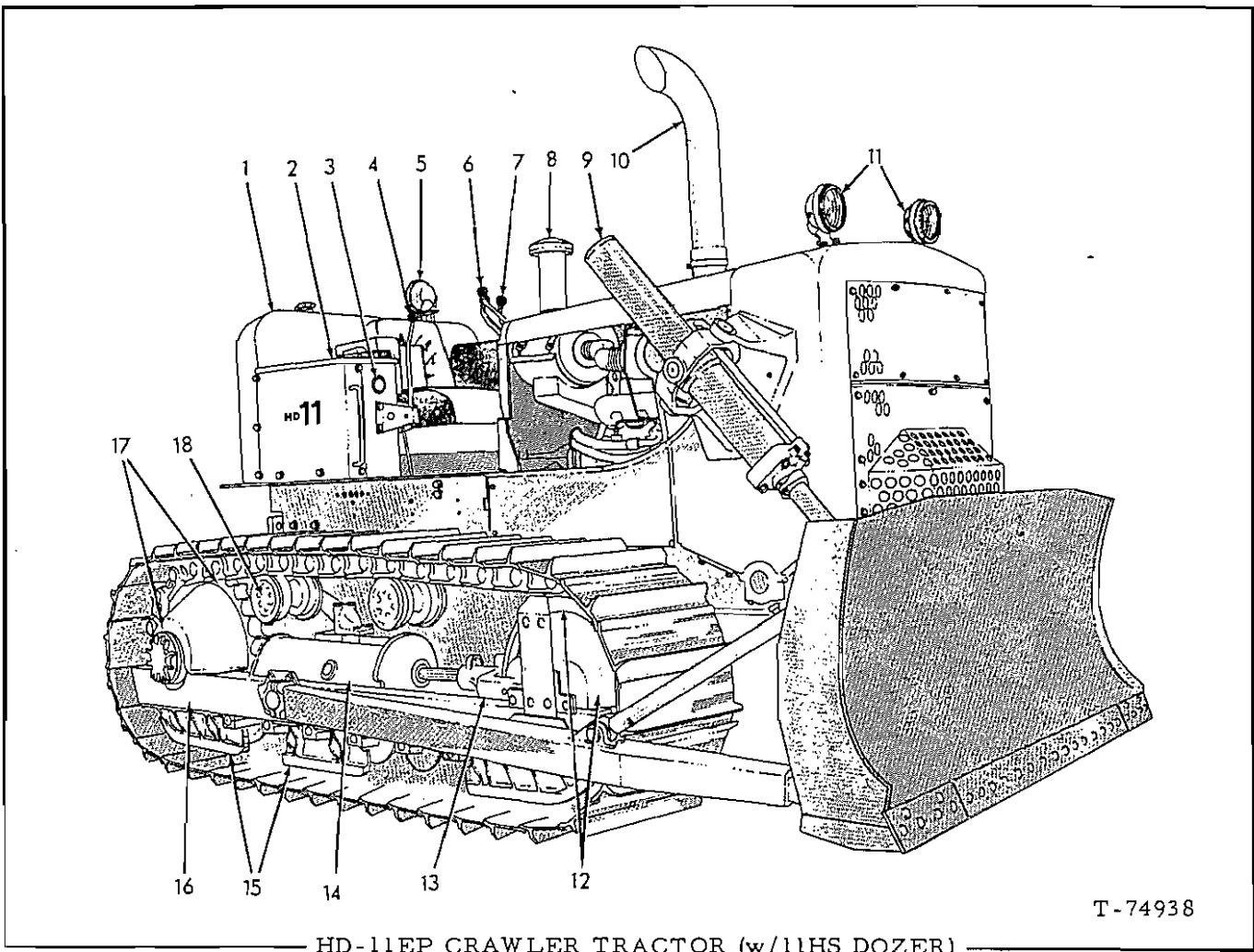
----- SEAL KIT, track carrier roller (See page 281)

----- TRANSFER SET (See PAINTING AND MARKING)

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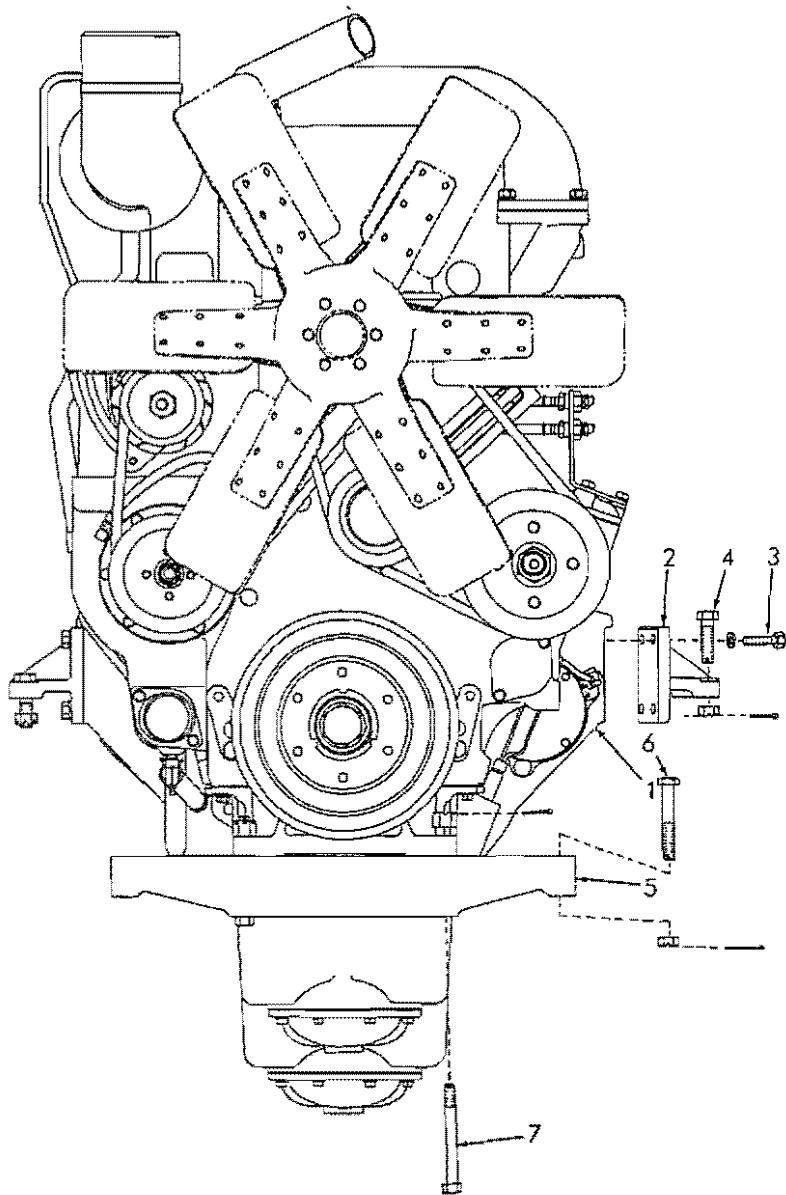
T - 74938

HD-11EP CRAWLER TRACTOR (w/11HS DOZER)

- |  |                              |
|--|------------------------------|
| 1. Fuel Tank   | 10. Exhaust Pipe             |
| 2. Battery Box   | 11. Head Lights              |
| 3. Hour Meter  | 12. Track Idler              |
| 4. See HD-11 Independent Hydraulic Systems Parts Catalog | 13. Hydraulic Track Adjuster |
| 5. Rear Flood Light                                      | 14. Track Release            |
| 6. Throttle Control                                      | 15. Track Frame Guards       |
| 7. Steering Controls                                     | 16. Track Frame              |
| 8. Air Cleaner   | 17. Sprocket                 |
| 9. See HD-11 Dozer Parts Catalog                         | 18. Track Carrier Rollers    |

M E M O

M E M O




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ENGINE AND MOUNTING

T-72370

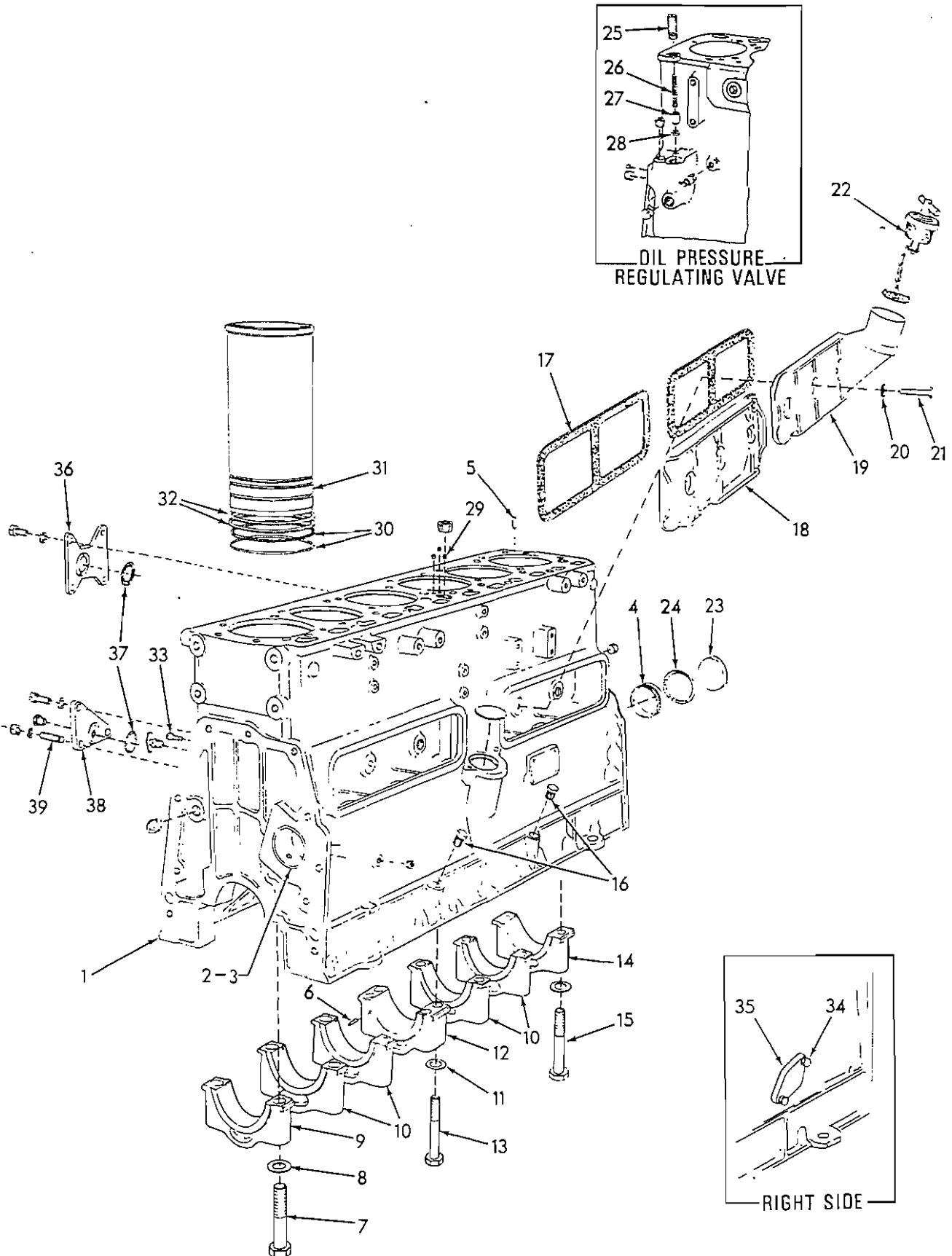
ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	ENGINE ASSEMBLY (Tractors prior to #12201. Order 74354352 and modify controls to suit)
	74354352	1	ENGINE ASSEMBLY (Tractors #12201 thru #13366)
	74358739	1	ENGINE ASSEMBLY (Tractors #13367 and up)

NOTE: Each engine assembly includes turbocharger, generator, oil and fuel filters but does not include air cleaner, fan or starter.

(Continued)

ENGINE AND MOUNTING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
2	70084493	2	BRACKET, engine supporting, rear
3	70035190	8	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	8	LOCKWASHER, 1/2"
4	70638907	4	CAPSCREW, rear mounting
	70912840	4	NUT, slotted, 5/8"NF
	70900806	4	PIN, cotter, 1/8" x 1"
5	70642562	1	SUPPORT, front
6	70642563	2	CAPSCREW, (to frame)
	70913280	2	NUT, high, slotted, 5/8"NF
	70900806	2	PIN, cotter, 1/8" x 1"
7	70091984	2	CAPSCREW, front mounting
	70913280	2	NUT, high, slotted, 5/8"NF
	70900806	2	PIN, cotter, 1/8" x 1"



CYLINDER BLOCK

T-41944

(Revised May 1979)

# CYLINDER BLOCK

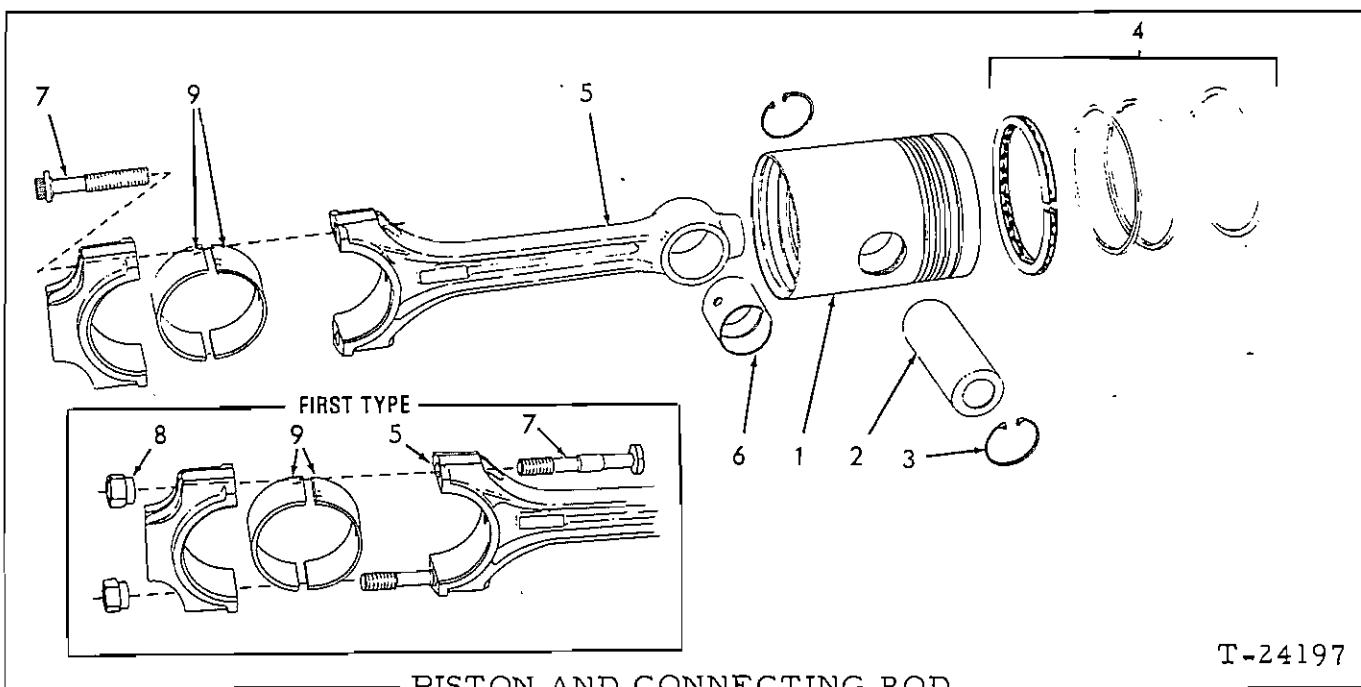
ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	BLOCK ASSY. (Includes items 2 thru 16, 28, 29, 33 thru 39 and hardware indented below)(Order Block Assy., 74321469)
	70910017	1	PLUG, expansion, 2-3/8" diam. (Early units)
	70919134	5	PLUG, pipe, hex-hd., 1/8"NPT
	70920333	1	PLUG, pipe, hex-hd., 3/8"NPT
	70918887	1	PLUG, pipe, hex-socket, 3/8"NPT
	70917970	2	PLUG, pipe, hex-socket, 1/2"NPT
	70920416	1	PLUG, pipe, hex-hd., 1/2"NPT
	70918851	2	PLUG, pipe, hex-socket, 3/4"NPT
	70918888	1	PLUG, pipe, hex-socket, 1"NPT
	70912415	2	COCK, drain, 1/4"NPT
2	74346100	1	BEARING, camshaft, front (standard size)
	74347416	1	BEARING, camshaft, front (.010" undersize)
3	74346099	2	BEARING, camshaft, intermediate (standard size)
	74347419	2	BEARING, camshaft, intermediate (.010" undersize)
4	74346108	1	BEARING, camshaft, rear (standard size)
	74347413	1	BEARING, camshaft, rear (.010" undersize)
5	74336432	4	PIN, dowel, cylinder head
6	-----	4	PIN, dowel, crankshaft thrust flange (See CRANK-SHAFT)
7	74339037	2	CAPSCREW, front main bearing cap (3/4"NC x .3-15/16")
8	74354175	12	WASHER, main bearing capscrew
9	74349630	1	*CAP, front main bearing
10	74349632	4	*CAP, intermediate main bearing
11	74391160	4	WASHER, center main bearing capscrew
12	74349629	1	*CAP, center main bearing
13	74339038	4	CAPSCREW, center main bearing cap (5/8"NC x .3-13/16")
14	74349631	1	*CAP, rear main bearing
15	74339036	10	CAPSCREW, rear and intermediate main bearing cap (3/4"NC x 4-5/16")
16	74362338	2	PLUG, crankcase
17	74337764	2	□GASKET, valve lifter cover
18	74354635	1	COVER, valve lifter, front
19	74338674	1	COVER, valve lifter, rear
20	74335456	6	WASHER, valve lifter cover bolt
21	74335455	6	BOLT, valve lifter cover
22	74354492	1	CLOSURE ASSY., oil filler (Serviced only as a unit)
23	74335534	1	PLUG, camshaft hole
24	70923815	1	□O-RING, camshaft hole plug
25	74389058	1	SCREW, oil pressure regulating valve
	70910847	1	NUT, jam, 3/4"NF
26	74660358	1	SPRING, oil pressure regulating valve
27	74500230	1	PISTON, oil pressure regulating valve
28	74347465	1	INSERT, oil pressure regulating valve seat
29	74347061	1	RESTRICTOR, oil passage

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

(Continued)

## CYLINDER BLOCK (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
30	74359869	6	O-RING (top)(black and white)
	74359870	6	<input type="checkbox"/> O-RING center (black and blue)
	74337972	6	O-RING; bottom (red)
1	74061746	6	<input type="checkbox"/> SLEEVE, cylinder (Includes item 30)
32	74348857	-	SHIM, cylinder sleeve (.005" thick)
	74348856	-	SHIM, cylinder sleeve (.008" thick)
	74348859	-	SHIM, cylinder sleeve (.010" thick)
	74348858	-	SHIM, cylinder sleeve (.015" thick)
	74348900	-	SHIM, cylinder sleeve (.020" thick)
33	74335777	2	CAPSCREW, crankcase pad (3/8"NC x 3/4", nylok)
			<u>NOTE:</u> Items listed below are furnished only with service replacement cylinder block and are not original equipment.
34	74339604	1	PLATE, cover, turbocharger oil drain hole
	70918683	2	CAPSCREW, 1/2"NC x 1-1/8"
	70904208	2	LOCKWASHER, 1/2"
35	74336436	1	<input type="checkbox"/> GASKET, oil drain hole cover
36	74335369	1	PLATE, cover, oil gallery hole, upper
	70916311	4	CAPSCREW, 1/2"NC x 1-1/8"
	70904208	4	LOCKWASHER, 1/2"
37	70923718	2	O-RING, oil gallery hole cover plates
38	74359104	1	PLATE, cover, oil gallery hole, lower
	70920333	1	PLUG, pipe, hex-hd., 3/8"NPT
	70919230	1	CAPSCREW, 1/2"NC x 1-3/8"
	74305073	2	STUD
	70904208	3	LOCKWASHER, 1/2"
	70910195	2	NUT, 1/2"NF

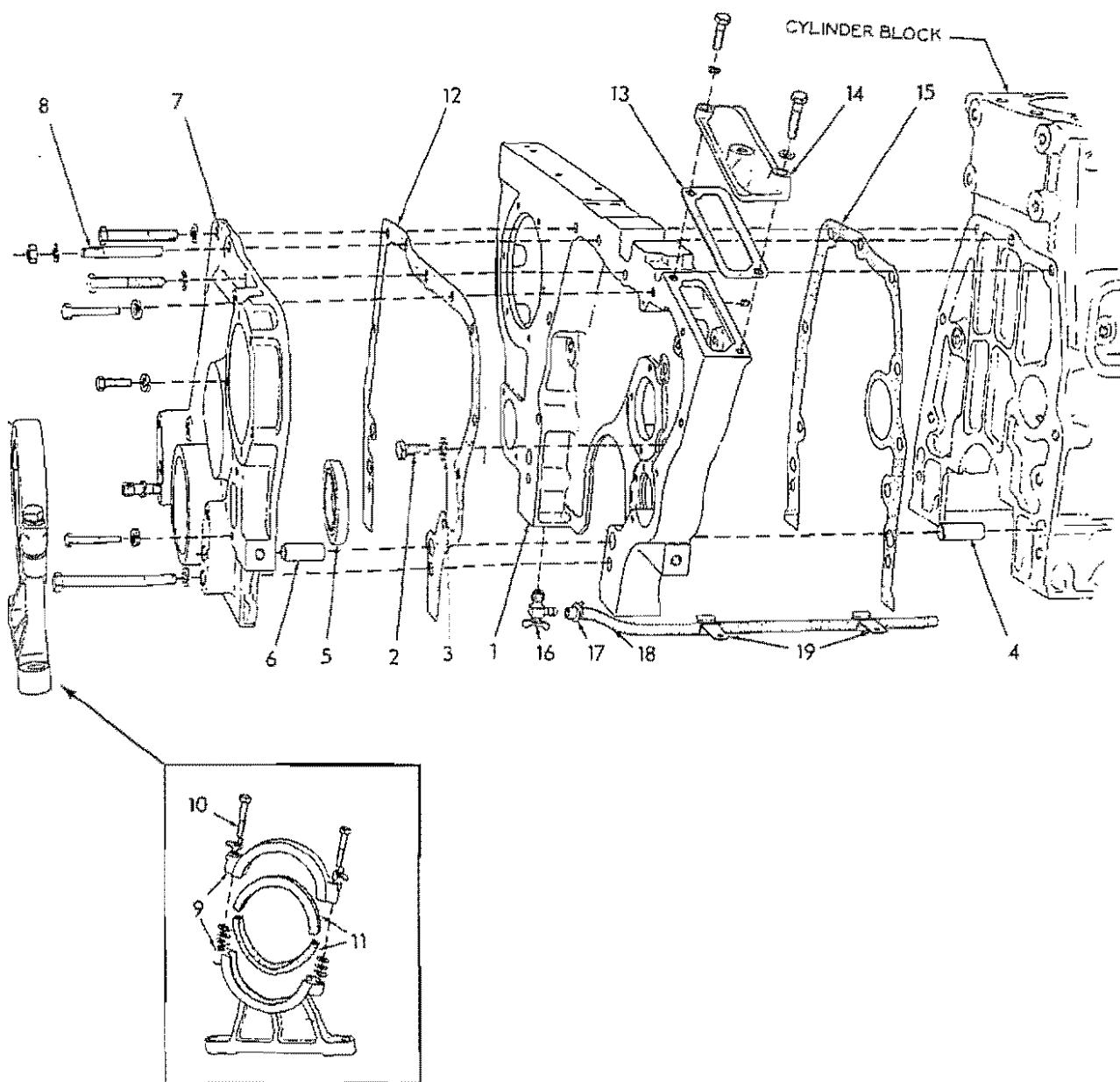


T-24197

**PISTON AND CONNECTING ROD**

ITEM	PART NO.	QTY.	DESCRIPTION
1	74061542	6	PISTON ASSY. (Includes items 2, 3 and 4)
2	74337395	6	PIN, piston
3	74255465	12	RETAINER, piston pin
4	74359758	6	RING SET
5	74354788	6	ROD ASSY., connecting (Includes items 6 thru 8) (Engines prior to #11-19497)
	74359220	6	ROD ASSY., connecting (Includes items 6 and 7) (Engine #11-19497 and up)
6	74339017	6	BUSHING, connecting rod
7	74354787	12	BOLT, connecting rod (Engines prior to #11-19497)
	74359222	12	CAPSCREW, connecting rod (Engine #11-19497 and up)
8	74354748	12	NUT, connecting rod bolt
9	74321007	12	BEARING, connecting rod (standard size)
	74321033	12	BEARING, connecting rod (.010" undersize)
	74321034	12	BEARING, connecting rod (.020" undersize)
	74321035	12	BEARING, connecting rod (.030" undersize)
	74321036	12	BEARING, connecting rod (.040" undersize)
10	74061766	1	BEARING KIT, connecting rod (standard)
	74061767	1	BEARING KIT, connecting rod (.010" undersize)
	74061768	1	BEARING KIT, connecting rod (.020" undersize)
	74061769	1	BEARING KIT, connecting rod (.030" undersize)
	74061770	1	BEARING KIT, connecting rod (.040" undersize)

Each kit  
contains 12  
bearings



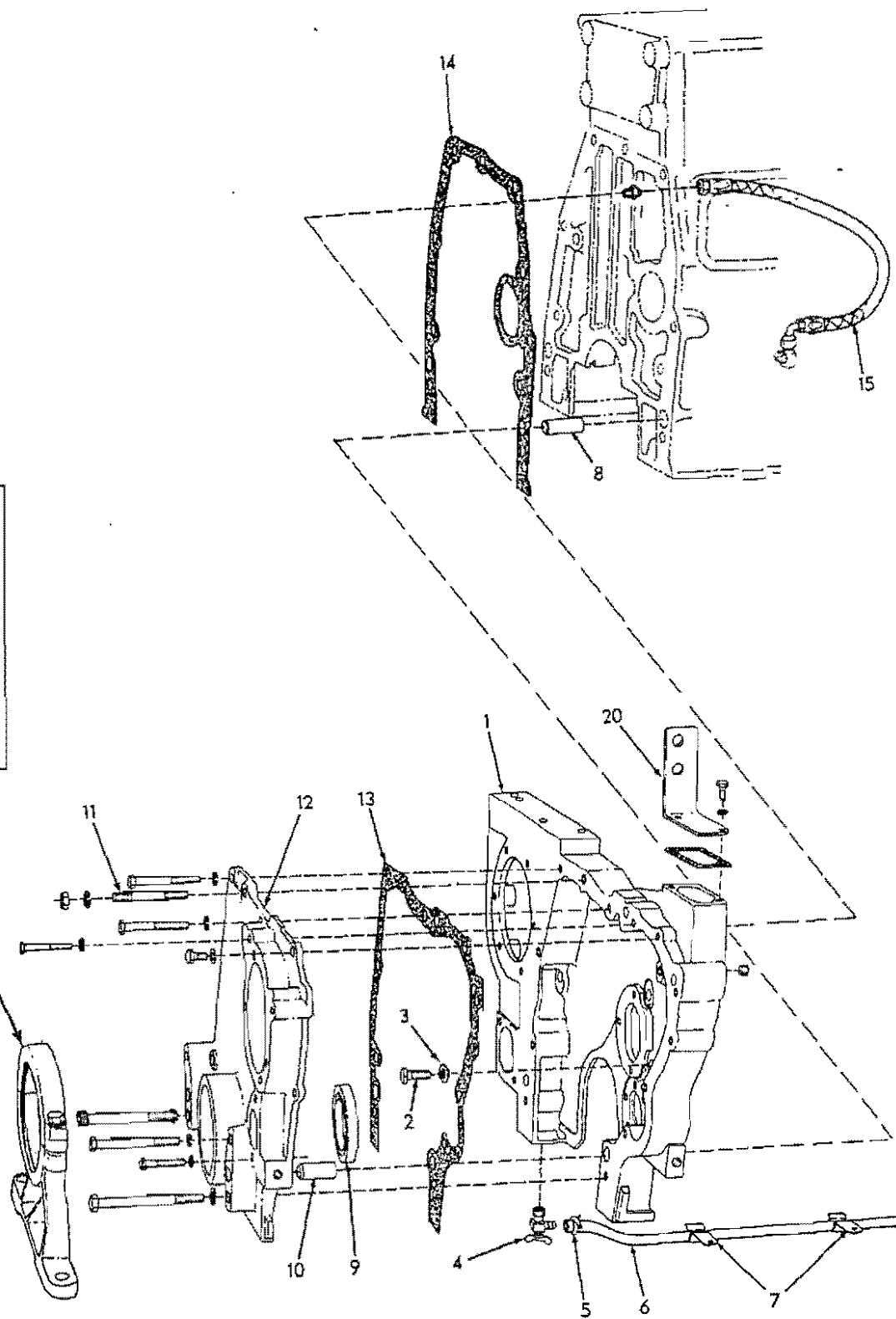
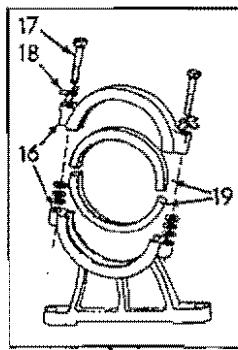
TIMING GEAR HOUSING (First type)

T-13176

## TIMING GEAR HOUSING

USAGE: Tractors prior to serial No. 12201

ITEM	PART NO.	QTY.	DESCRIPTION
1	74359940	1	HOUSING, timing gear
	70917970	1	PLUG, pipe, hex-socket, 1/2"NPT
2	74004054	3	CAPSCREW, 1/2"NC x 1-1/16"
3	74253490	3	LOCKWASHER
4	74346246	2	PIN, dowel, timing gear housing
5	74026447	1	SEAL, oil, crankshaft
6	74348107	2	PIN, dowel, timing gear cover
7	74337281	1	COVER ASSEMBLY, timing gear housing (Includes item 6)
	70915969	3	CAPSCREW, 1/2"NC x 3"
	70916319	1	CAPSCREW, 1/2"NC x 3-1/2"
	70919232	1	CAPSCREW, 1/2"NC x 4-3/4"
	70919287	3	CAPSCREW, 3/8"NC x 1-7/8"
	70916274	2	CAPSCREW, 3/8"NC x 2-1/4"
	70904208	6	LOCKWASHER, 1/2"
	70904206	5	LOCKWASHER, 3/8"
	70921299	1	CAPSCREW, socket-hd., 1/2"NC x 4"
8	74335371	1	STUD, timing gear housing
	70904208	1	LOCKWASHER, 1/2"
	70910195	1	NUT, 1/2"NF
9	74335067	1	BRACKET, engine mounting (Includes cap)
	70916009	10	WASHER, shimming (1/32" thick)
10	74254891	2	CAPSCREW, 1/2"NC x 2-1/2"
	74335550	2	LOCKWASHER
11	74336491	2	LINER, engine mounting bracket
12	74348126	1	□GASKET, timing gear housing cover
13	74347120	1	□GASKET, timing hole cover
14	74336524	1	COVER, fuel pump timing hole
	70919225	1	CAPSCREW, 3/8"NC x 1-3/8"
	70919287	1	CAPSCREW, 3/8"NC x 1-7/8"
	70904206	2	LOCKWASHER, 3/8"
15	74348136	1	□GASKET, timing gear housing
16	70089894	1	COCK, drain
17	70089107	1	CLAMP, drain hose
18	70092652	1	HOSE, water drain
19	70092758	2	CLIP, supporting, water drain hose



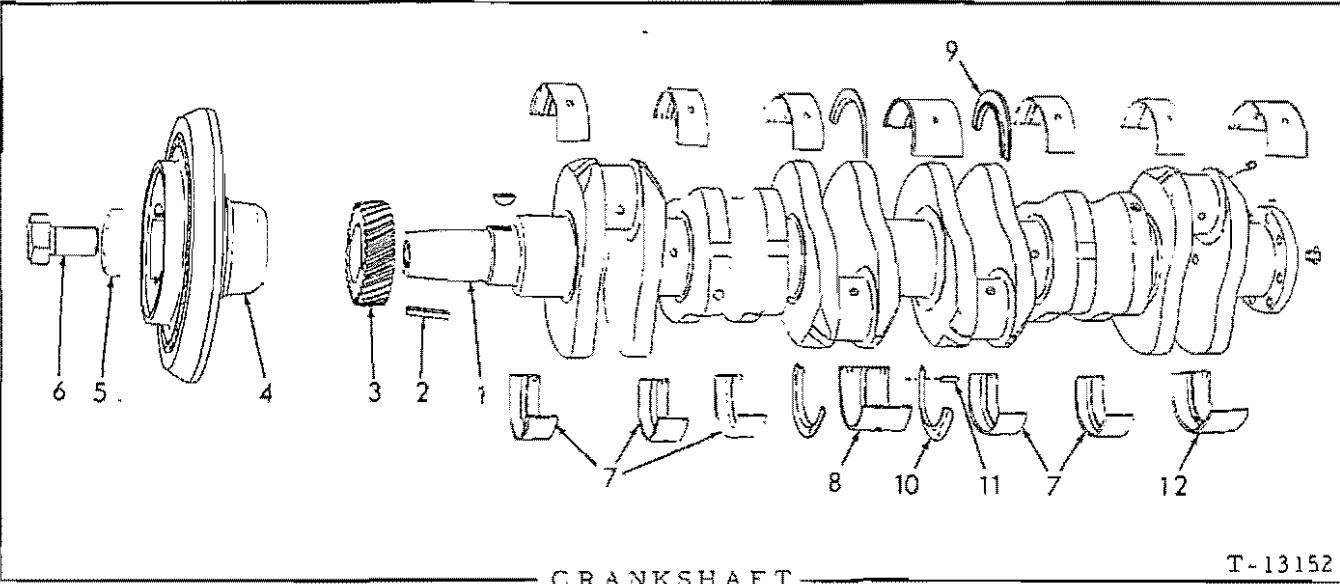
TIMING GEAR HOUSING (Second type)

T-72319

# TIMING GEAR HOUSING

USAGE: Tractors serial No. 12201 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	74320742	1	HOUSING, timing gear (Also order 1 Plug 70920416)
	70919134	1	PLUG, pipe, hex-hd., 1/8"NPT
	70920416	1	PLUG, pipe, hex-hd., 1/2"NPT
	70917970	2	PLUG, pipe, hex-socket, 1/2"NPT
2	74004054	3	CAPSCREW, 1/2"NC x 1-1/16"
3	74253490	3	LOCKWASHER
4	70089894	1	COCK, drain
5	70089107	1	CLAMP, drain hose
6	70092652	1	HOSE, water drain
7	70092758	2	CLIP, supporting, water drain hose
8	74346246	2	PIN, dowel, timing gear housing
9	74028992	1	SEAL, oil, crankshaft
10	74348107	2	PIN, dowel, timing gear cover
11	74335371	1	STUD, timing gear housing
	70904208	1	LOCKWASHER, 1/2"
	70910195	1	NUT, 1/2"NF
12	74357408	1	COVER ASSY., timing gear housing (Includes item 10)
	70915969	3	CAPSCREW, 1/2"NC x 3"
	70916319	1	CAPSCREW, 1/2"NC x 3-1/2"
	70921299	1	CAPSCREW, hex-socket, 1/2"NC x 4"
	70919232	1	CAPSCREW, 1/2"NC x 4-3/4"
	70910948	2	CAPSCREW, 3/8"NC x 2"
	70912069	2	CAPSCREW, 3/8"NC x 2-1/2"
	70904208	6	LOCKWASHER, 1/2"
	70904206	6	LOCKWASHER, 3/8"
	70916271	2	CAPSCREW, 3/8"NC x 1"
13	74354163	1	□GASKET, timing gear housing cover
14	74348136	1	□GASKET, timing gear housing
15	74376906	1	HOSE ASSY., cylinder block to gear housing (See HOSE PARTS)(Early units only)
	70919173	1	ELBOW, flare type, 1/4" tube, 1/8"NPT male
	70919171	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
16	74335067	1	BRACKET, engine mounting (Includes cap)
17	74254891	2	CAPSCREW, 1/2"NC x 2-1/2"
	70916009	10	WASHER, plain (1/32" thick. Use as required)
18	74335550	2	LOCKWASHER
19	74336491	2	LINER, engine mounting bracket
20	-----	1	BRACKET, lubricating hose (See FAN)



T-13152

CRANKSHAFT

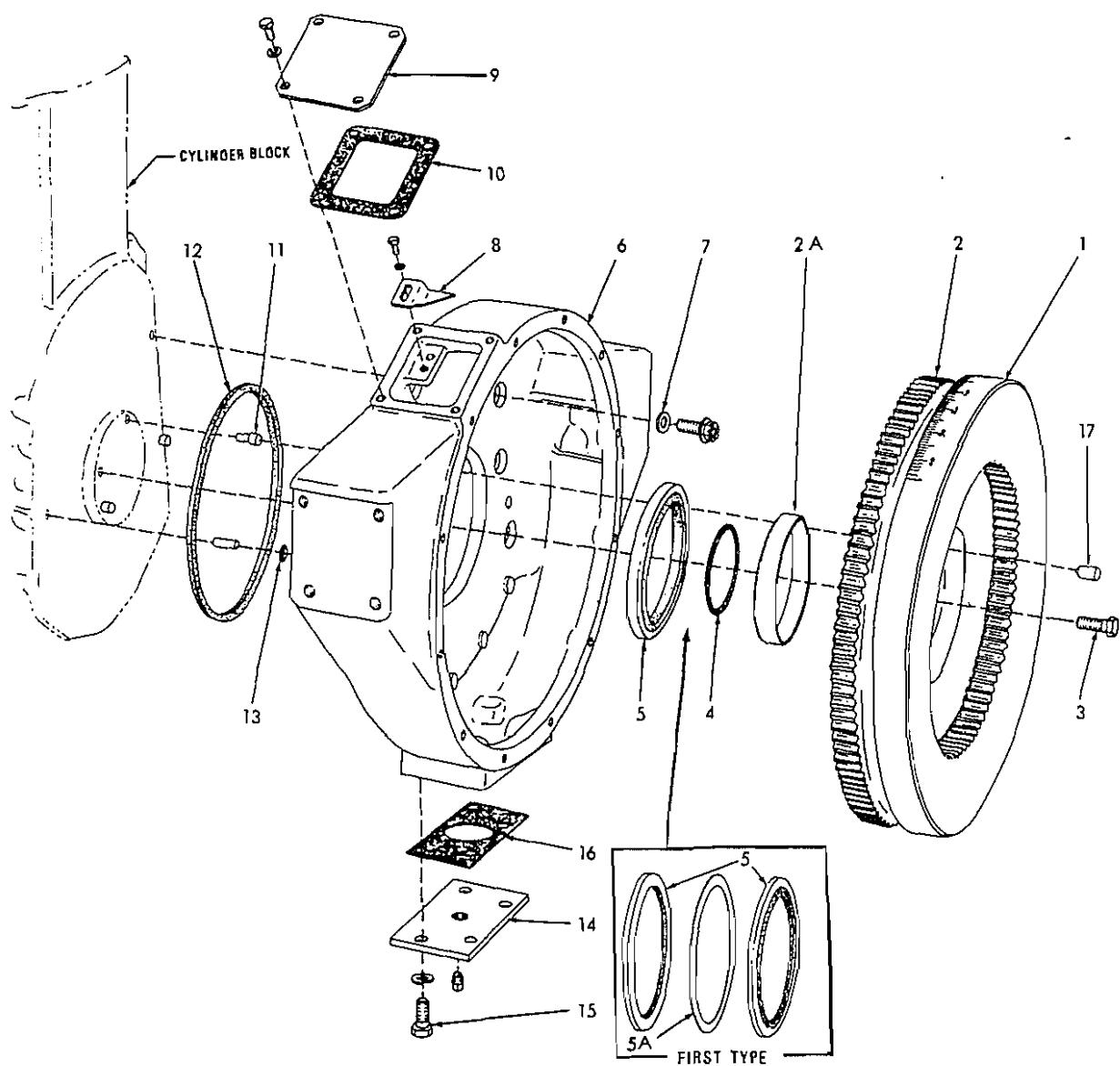
ITEM PART NO. QTY. DESCRIPTION

1	74359876 70917673 70919840	1 6 1	CRANKSHAFT ASSEMBLY (Includes PLUGS indented below) PLUG, pipe, hex-socket, 1/8"NPT (Early units only) PLUG, pipe, hex-head, 1/4"NPT
2	74003490	1	KEY, crankshaft damper
3	74337060 70905127	1 1	GEAR, crankshaft KEY, "B" woodruff, 5/16" x 1" (Engine prior to #11-19386)
4	74359982	1	DAMPER, vibration
5	74371503	1	WASHER, crankshaft damper
6	74393587	1	CAPSCREW, crankshaft damper
7	74321348	10	BEARING, front and intermediate main (standard size)
	74321388	10	BEARING, front and intermediate main (.010" undersize)
	74321389	10	BEARING, front and intermediate main (.020" undersize)
	74321390	10	BEARING, front and intermediate main (.030" undersize)
	74321391	10	BEARING, front and intermediate main (.040" undersize)
8	74348991	2	BEARING center main (standard size)
	74348992	2	BEARING, center main (.010" undersize)
	74348993	2	BEARING, center main (.020" undersize)
	74348994	2	BEARING, center main (.030" undersize)
	74348995	2	BEARING, center main (.040" undersize)

(Continued)

## CRANKSHAFT (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
9	74337683	2	FLANGE, thrust, center main, upper (standard size)
	74337684	2	FLANGE, thrust, center main, upper (.005" oversize)
	74337685	2	FLANGE, thrust, center main, upper (.010" oversize)
	74337686	2	FLANGE, thrust, center main, upper (.015" oversize)
10	74337687	2	FLANGE, thrust, center main, lower (standard size)
	74337688	2	FLANGE, thrust, center main, lower (.005" oversize)
	74337689	2	FLANGE, thrust, center main, lower (.010" oversize)
	74337690	2	FLANGE, thrust, center main, lower (.015" oversize)
11	74250898	4	PIN, dowel, thrust flange
12	74337698	2	BEARING, rear main (standard size)
	74337699	2	BEARING, rear main (.010" undersize)
	74337700	2	BEARING, rear main (.020" undersize)
	74337715	2	BEARING, rear main (.030" undersize)
	74337716	2	BEARING, rear main (.040" undersize)



### FLYWHEEL AND HOUSING

T-41854

\* Tractors prior to serial No. 13367 ("Twin-Disc" Converter)  
 \*\* Tractors serial No. 13367 and up ("Rockford" Converter)

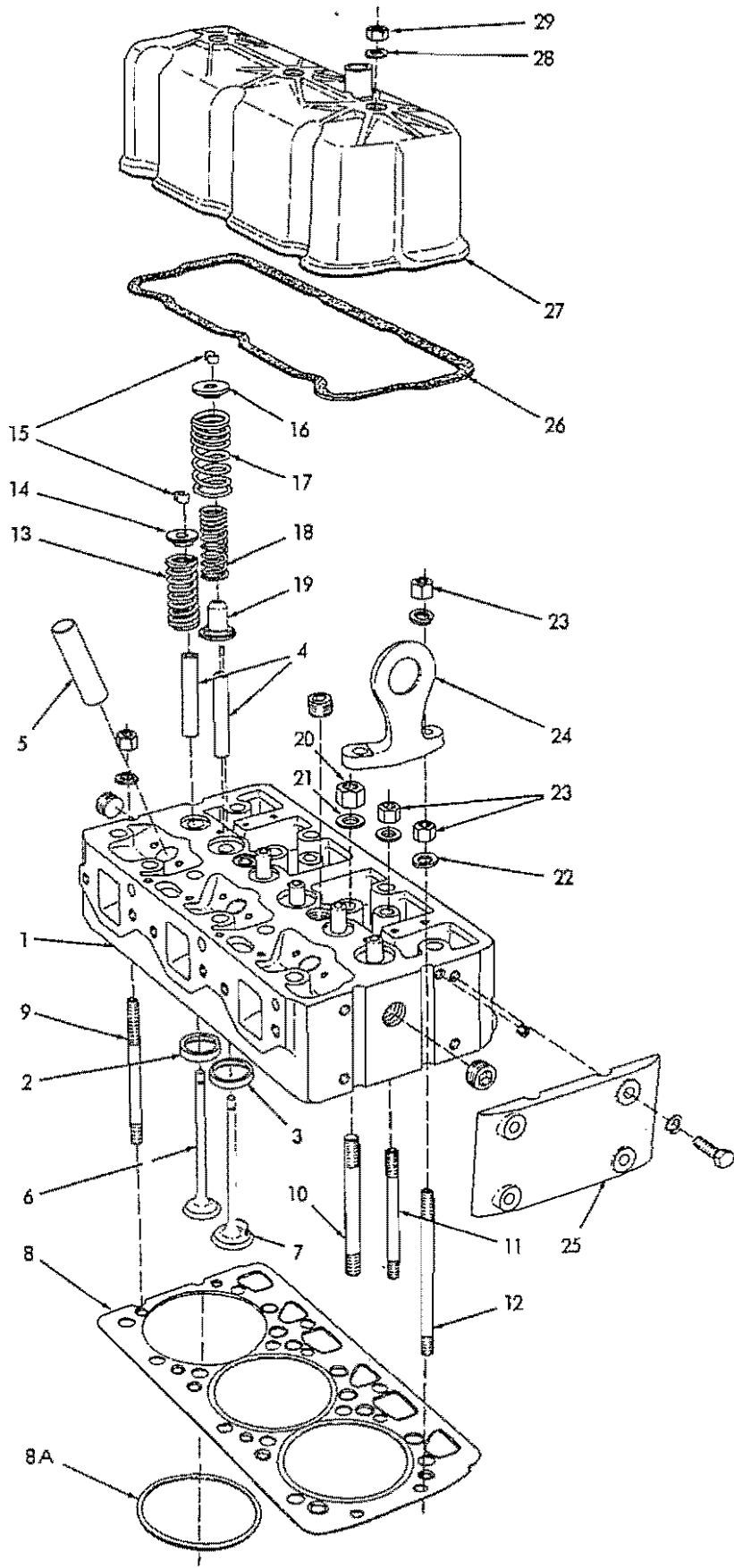
ITEM	PART NO.	QTY.	DESCRIPTION
		*	**
1	{ 74357437	1	- FLYWHEEL ASSY. (Includes item 2)
	74359097	-	1 FLYWHEEL ASSY. (Includes item 2)
2	74304907	1	1 GEAR, ring
2A	74029556	1	1 SLEEVE KIT, wear (Engines #11-14388 thru #11-15367; also #11-18384 and up)

(Continued)

(Revised January 1974)

FLYWHEEL AND HOUSING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
		*	**
3	74359806	6	BOLT, flywheel
4	70923816	1	<input type="checkbox"/> O-RING, flywheel to crankshaft
5	74029500	1	SEAL KIT, oil, crankshaft rear end (If for engines prior to #11-14388 or #11-15368 thru #11-18383 also order 1 WEAR SLEEVE KIT 74029556)
5A	74027439	-	SPACER, oil seal (Installed between SEALS)(Used on engines #11-14388 thru #11-15367. Order 1 SEAL KIT 74029500)
6	{ 74339603	1	- HOUSING, flywheel
	74358790	-	HOUSING, flywheel
	70923239	1	CAPSCREW, Nylok, 1/2"NC x 3/4"
	70917021	2	PIN, dowel, 1/2" x 1"
	74752075	9	BOLT, self-locking, 1/2"NC x 1-1/4"
7	74376749	9	WASHER, sealing (Used prior to engine #11-14324)
8	74336609	1	POINTER, timing
	70916284	2	CAPSCREW, 1/4"NC x 1/2"
	70904204	2	LOCKWASHER, 1/4"
9	74358840	1	COVER, timing hole
	70916282	4	CAPSCREW, 1/4"NC x 7/8"
	70904204	4	LOCKWASHER, 1/4"
10	74336676	1	<input type="checkbox"/> GASKET, timing hole cover
11	74500300	2	DOWEL, flywheel to crankshaft
12	74336897	1	RING, sealing, flywheel housing to crankcase
13	70923376	2	<input type="checkbox"/> O-RING, flywheel housing dowel pin hole
14	70628512	1	<input type="checkbox"/> COVER, bottom, flywheel housing
	70901652	1	PLUG, pipe, 1/4"NPT
15	70916311	4	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	4	LOCKWASHER, 1/2"
16	70629141	1	GASKET, bottom cover
17	74359168	1	SLUG KIT, dowel sealing (Consists of two lead slugs)



## -CYLINDER HEAD -

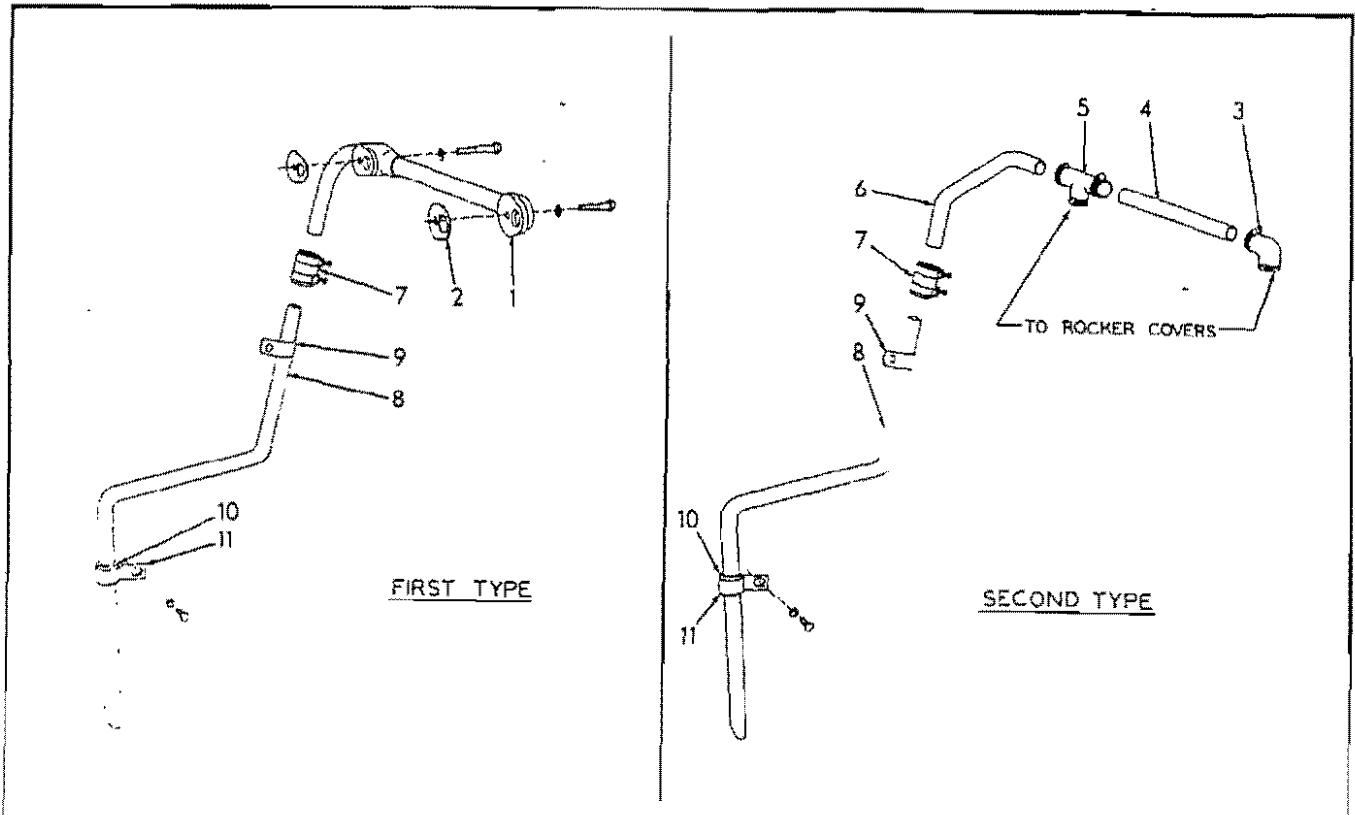
### CYLINDER HEAD

ITEM	PART NO.	QTY.	* **	DESCRIPTION	
1	74320689	2	2	HEAD ASSY. (Service replacement with 45° valve seats)(Also order 6 CAPSCREW 70915987, 6 CAPSCREW 74255914, 3 SEAT 74320654, 3 ROTATOR 74320655, 3 VALVE 74321157, 3 VALVE 74321372 and 12 WASHER 74371107)	
	70917673	4	4	PLUG, pipe, hex-socket, 1/8"NPT	
	70920340	8	8	PLUG, pipe, hex-socket, 3/4"NPT	
	70917560	6	6	PIN, dowel, 3/16" x 3/8" (intake valve locator)	
2	74336419	6	-	INSERT, exhaust valve seat (standard size)	5/16" thick. Used on early units only
	74336602	6	-	INSERT, exhaust valve seat (.005" oversize)	
	74339547	6	-	INSERT, exhaust valve seat (45°-standard size)	13/32" thick. Not for early units
	74359114	-	6	INSERT, exhaust valve seat (30°-standard size)	
	74339625	6	-	INSERT, exhaust valve seat (45°-.005" oversize)	
	74359115	-	6	INSERT, exhaust valve seat (30°-.005" oversize)	
3	74336418	6	-	INSERT, intake valve seat (standard size)	5/16" thick. Used on early units only
	74336601	6	-	INSERT, intake valve seat (.005" oversize)	
	74339546	6	-	INSERT, intake valve seat (45°-standard size)	13/32" thick. Not for early units
	74359112	-	6	INSERT, intake valve seat (30°-standard size)	
	74339624	6	-	INSERT, intake valve seat (45°-.005" oversize)	
	74359113	-	6	INSERT, intake valve seat (30°-.005" oversize)	
4	74336586	12	12	GUIDE, valve stem	
5	74336157	6	6	SLEEVE, injection nozzle	
6	74336128	6	-	VALVE, exhaust (45°)	
	74359117	-	6	VALVE, exhaust (30°)	
7	74336127	6	-	VALVE, intake (45°)	
	74359116	-	6	VALVE, intake (30°)	
8	74354294	1	1	□GASKET, cylinder head, front	Each includes item 8A
	74354295	1	1	□GASKET, cylinder head, rear	
8A	74339848	6	6	GASKET, fire ring (cylinder sealing)	
9	74339499	2	2	STUD, cylinder head (1/2" x 7-1/4")	
10	74339505	24	24	STUD, cylinder head (5/8" x 6-1/2")	
11	74339498	4	4	STUD, cylinder head (1/2" x 6-1/8")	
12	74339497	2	2	STUD, cylinder head, front (1/2" x 7-3/8")	
	74339434	2	2	STUD, cylinder head, rear (1/2" x 8-5/8")	
13	74336131	6	6	SPRING, exhaust valve	
14	74343799	6	6	RETAINER, exhaust valve spring	
15	74376497	24	24	LOCK, valve spring retainer (half only)	
16	74336153	6	6	RETAINER, intake valve spring	
17	74336129	6	6	SPRING, intake valve, outer	
18	74336130	6	6	SPRING, intake valve, inner	
19	74336758	6	6	LOCATOR, intake valve	

(Continued)

## CYLINDER HEAD (Continued)

ITEM	PART NO.	QTY. *    **	DESCRIPTION
20	{ 74388202      20    20		NUT, cylinder head stud (5/8"NF)
	74354407      4      4		NUT, cylinder head stud (5/8"NF, Nylok)(For end studs only)
21	74354490      24    24		WASHER, cylinder head nut (For 5/8" stud)
22	74372864      14    14		WASHER, cylinder head nut (For 1/2" stud)
23	74388205      14    14		NUT, cylinder head stud (1/2"NF)
24	74347619      1      1		EYE, engine lifting (1 additional used on tractors prior to #12201)
25	74336178      2      2		PLATE, end
	70916191      8      8		CAPSCREW, 7/16"NC x 1-1/2"
	70904207      8      8		LOCKWASHER, 7/16"
26	74336148      2      2		GASKET, rocker cover
27	{ 74336146      2      2		COVER, rocker (Engines prior to #11-14271)
	74357732      -      2		COVER, rocker (Effective with engine #11-14271)
28	74376749      6      6		WASHER, sealing, rocker cover nut
29	74375937      6      6		NUT, rocker cover

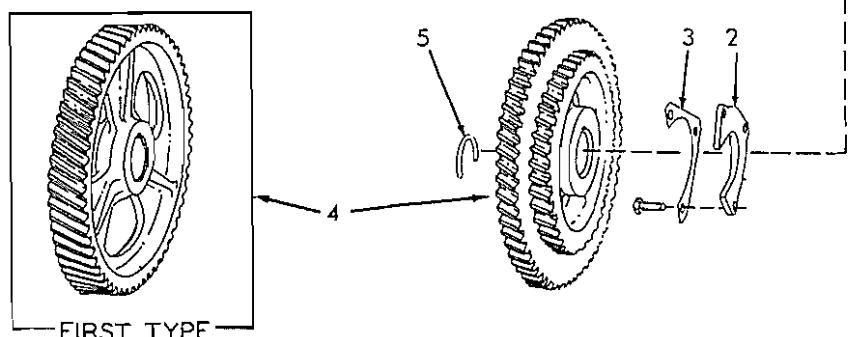
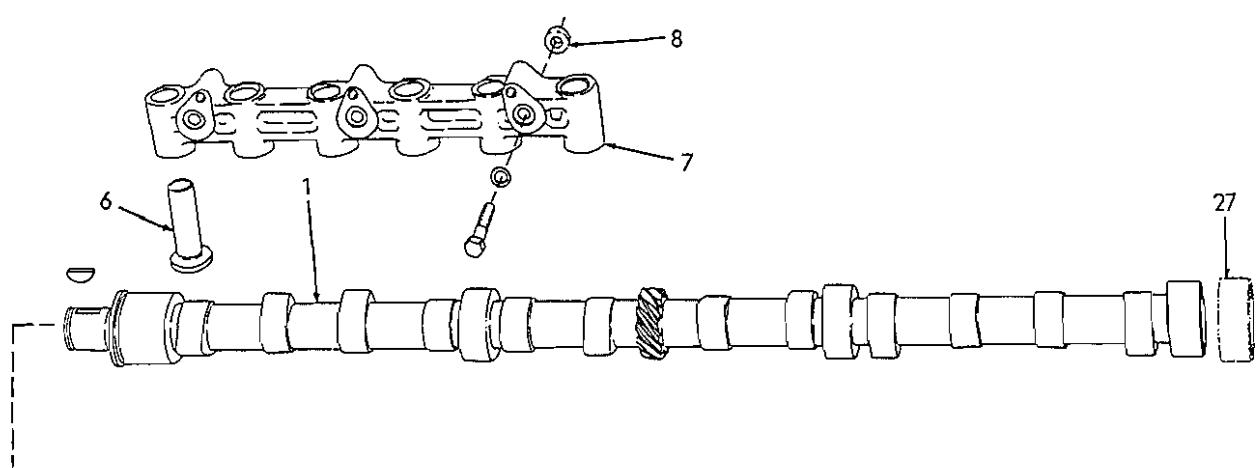
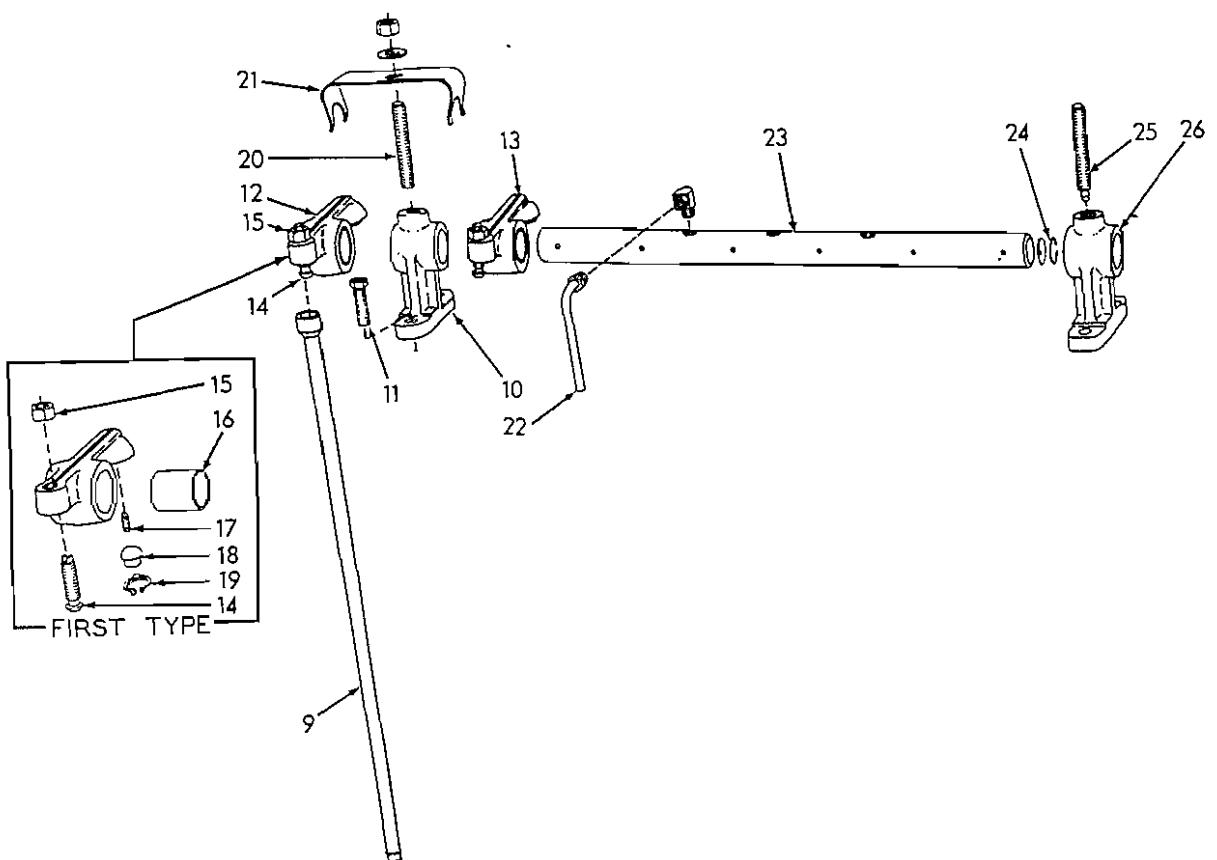


**ENGINE BREATHER**

T-74675

\* Engines prior to serial No. 11-14271  
\*\* Effective with engines serial No. 11-14271

ITEM	PART NO.	QTY.	*	**	DESCRIPTION
1	74349305	1	-		TUBE, upper
	70916273	1	-		CAPSCREW, 3/8"NC x 1-3/4"
	70912069	1	-		CAPSCREW, 3/8"NC x 2-1/2"
	70904206	2	-		LOCKWASHER, 3/8"
2	74348133	2	-		O GASKET, upper tube
3	74357735	-	1		ELBOW (rubber)
	70921912	-	2		CLAMP, hose, 1-1/16" to 2" diam.
4	74357775	-	1		TUBE, upper
5	74357736	-	1		TEE (rubber)
	70921912	-	3		CLAMP, hose, 1-1/16" to 2" diam.
6	74357733	-	1		TUBE, intermediate
7	74347924	1	1		HOSE, tube connecting
	74253453	2	2		CLAMP, hose
8	74338310	1	1		TUBE, lower
9	74254173	1	1		CLIP, tube supporting, upper
10	74371324	1	1		INSULATOR, lower tube (rubber)
11	74371323	1	1		CLIP, tube supporting, lower
	70915408	1	1		CAPSCREW, 3/8"NC x 3/4"
	70904206	1	1		LOCKWASHER, 3/8"



VALVE OPERATING MECHANISM

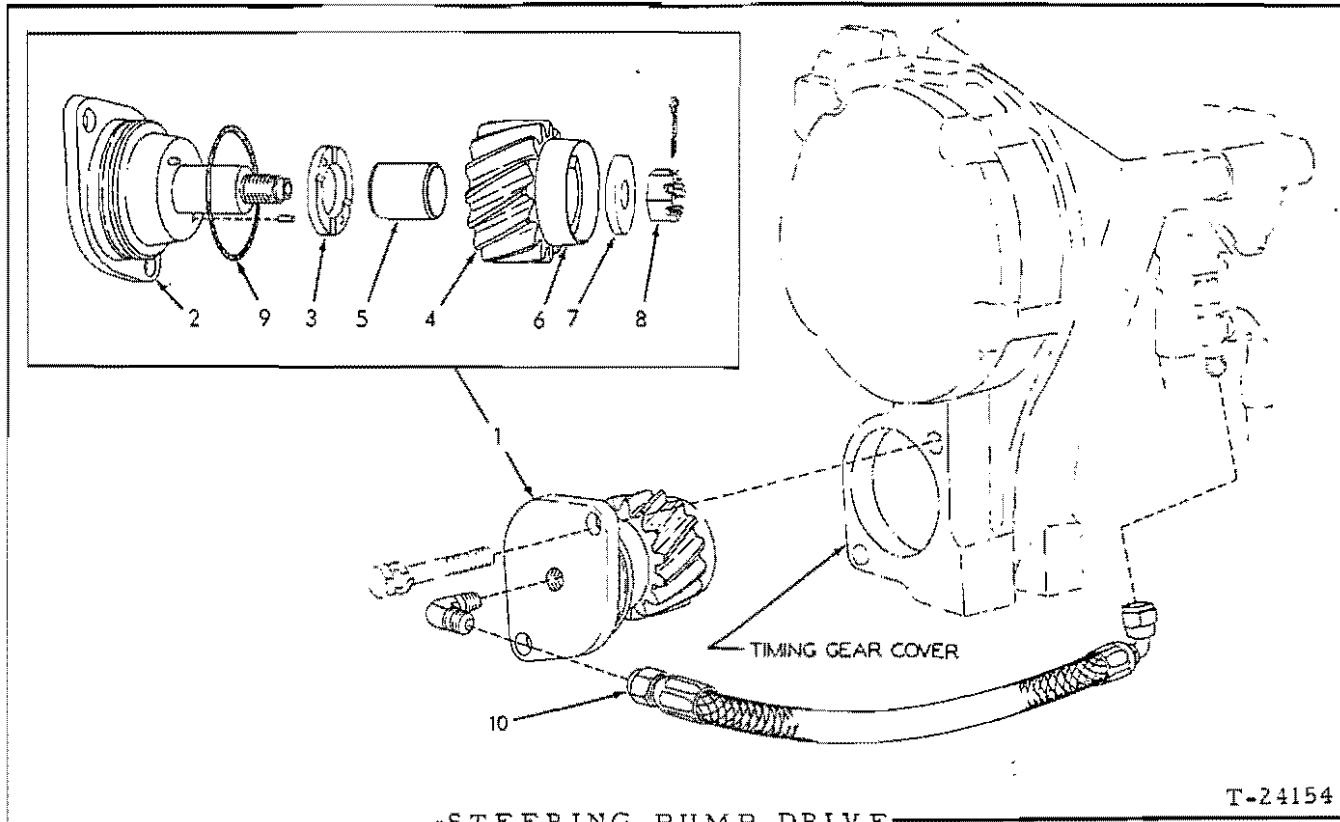
T-27404

VALVE OPERATING MECHANISM

ITEM	PART NO.	QTY.	DESCRIPTION
1	74337723 70905126	1 1	CAMSHAFT KEY, #5 woodruff, 1/4" x 1"
2	74349257 70916277	1 3	COLLAR, camshaft thrust CAPSCREW, 5/16"NC x 5/8"
3	74025391	1	PLATE, capscrew locking
4	{ 74359279 74321380	1 1	GEAR, camshaft (Engines prior to #11-16286) GEAR, camshaft (Engine #11-16288 and up)
5	74346307	1	RING, snap, gear retaining
6	74338299	12	LIFTER, valve
7	74359701 70919287 70904206	2 6 6	BRACKET, valve lifter (Also order 3 Bolt 74255393 per bracket) CAPSCREW, 3/8"NC x 1-7/8" LOCKWASHER, 3/8"
8	74347832	4	DOWEL, hollow, valve lifter bracket
9	74336234	12	ROD, push
10	74336143	4	BRACKET, rocker shaft, end
11	{ 74506946 70904206 74348440 74255723	12 12 12 12	STUD, rocker shaft bracket (Used prior to engine #11-15290) LOCKWASHER, 3/8" NUT, heat-treated, 3/8"NF BOLT, rocker shaft bracket (self-locking)(Effective with engine #11-15290)
12	74337478	6	ARM ASSEMBLY, rocker, intake valve (Includes items 14 thru 19)
13	74337479	6	ARM ASSEMBLY, rocker, exhaust valve (Includes items 14 thru 19)
14	74336646	12	SCREW, valve lash adjustment
15	74348440	12	NUT, valve lash adjustment screw
16	74660369	12	BUSHING, rocker arm
17	74364422	12	WICK, oiling, rocker ball
18	74379305	12	BALL, rocker arm } RING, snap, rocker arm ball } STUD, rocker cover (2-5/8" long) } CLIP, spring, rocker arm retaining } WASHER, plain, SAE std., 7/16" } NUT, 7/16"NF } Engines prior to #11-13409
19	74385480	12	
20	74348129	4	
21	74338143 70912298 70910986	6 6 6	
22	74349157 70913039	2 2	TUBE ASSEMBLY, rocker shaft overflow (Includes nut) ELBOW, inverted flare, 90°, 1/4" tube, 1/8"NPT male
23	74336145 70910002	2 4	SHAFT ASSEMBLY, rocker arm (Includes 70910002 PLUGS and item 24) PLUG, expansion, 3/4" diam.
24	74254363	4	RING, snap, rocker shaft
25	74348130	2	SCREW, rocker shaft retaining (3" long, dog-pt.)
26	74336142	2	BRACKET, rocker shaft, center
27	-----	-	BEARING, camshaft (See CYLINDER BLOCK)

(Revised May 1979)

0651804-7



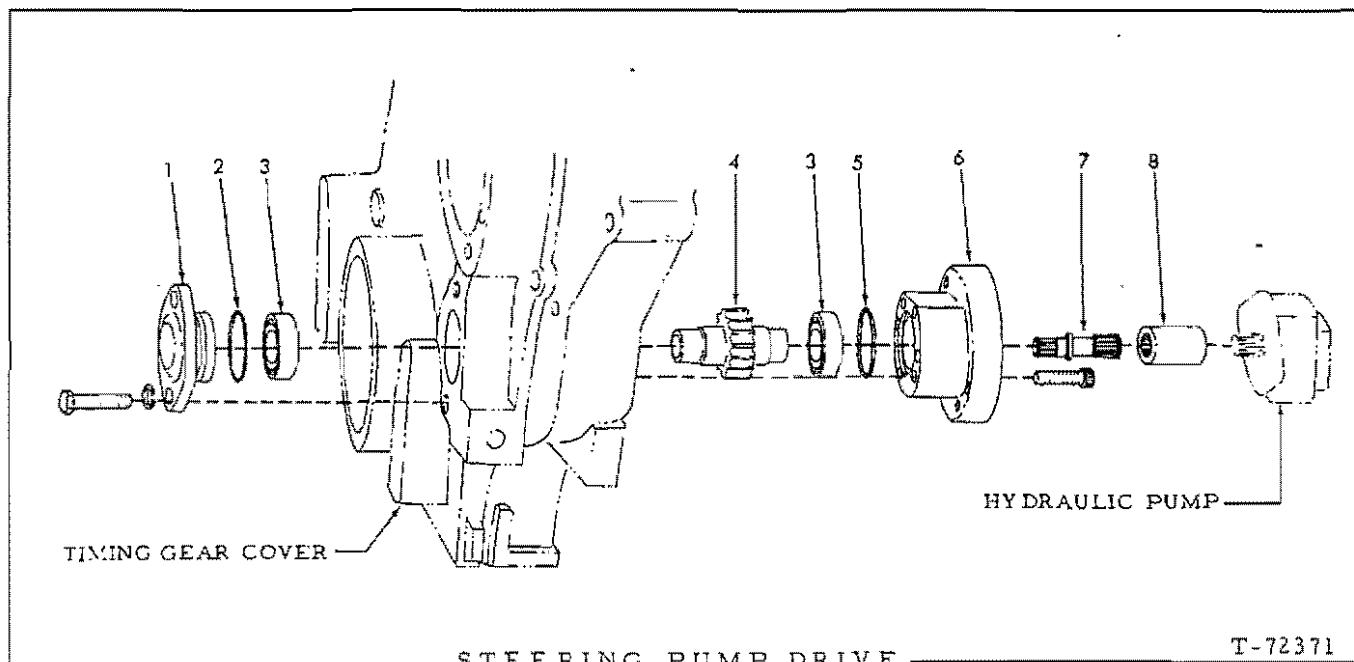
T-24154

**STEERING PUMP DRIVE**

USAGE: Tractors prior to serial No. 12201

**ITEM PART NO. QTY. DESCRIPTION**

1	74338168 -----	1 2	DRIVE ASSEMBLY (Consists of items 2 thru 9; also ELEOW 70919173) CAPSCREW (See TIMING GEAR HOUSINC section)
2	74335694 70919242	1 2	SHAFT ASSEMBLY (Includes PINS indented below) PIN, roll, 1/8" x 3/8" (dowel)
3	74376598	1	WASHER, thrust
4	74339750	1	GEAR ASSEMBLY (Includes items 5 and 6)
5	74335654	1	BUSHING, drive gear
6	74338161	1	SLEEVE, drive gear
7	74335655	1	WASHER, gear retaining
8	70919115 70900801	1 1	NUT, gear retaining (1/2"NF, left hand thread) PIN, cotter, 3/32" x 3/4"
9	70923814	1	O-O-RING, drive sealing
10	74335583 70919173	1 1	HOSE ASSEMBLY, lubricating (See HOSE PARTS) ELBOW, flare type, 1/4" tube, 1/8"NPT male



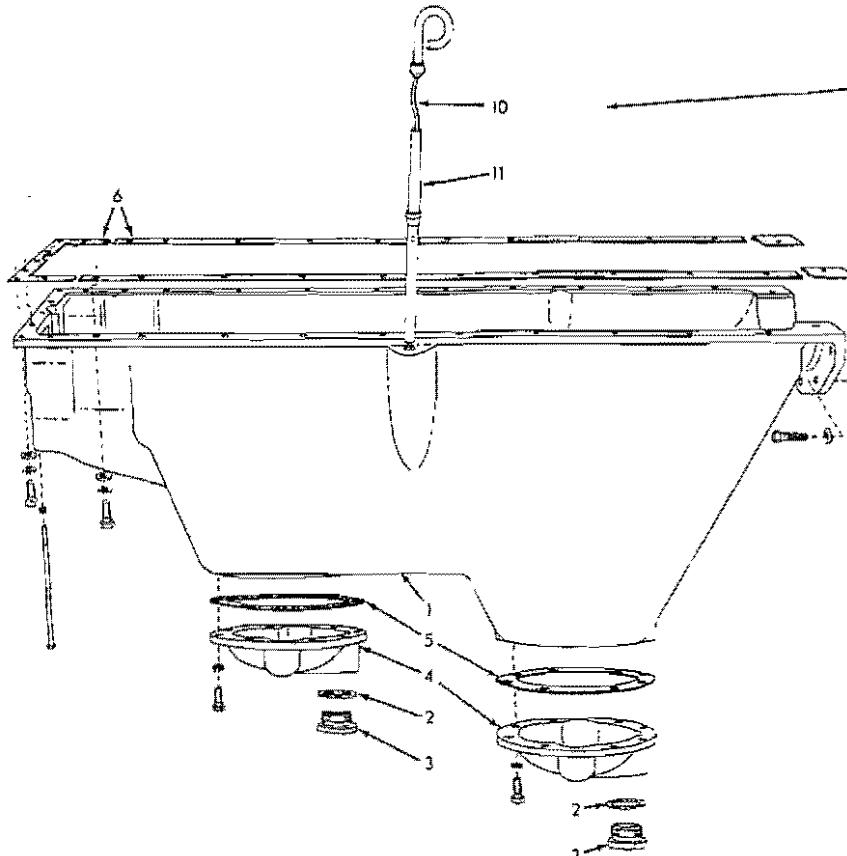
STEERING PUMP DRIVE

T-72371

USAGE: Tractors serial No. 12201 and up

ITEM PART NO. QTY. DESCRIPTION

1	74357411 -----	1	RETAINER, front bearing CAPSCREW (See TIMING GEAR HOUSING section)
2	70923814	1	O-RING, front bearing retainer
3	74253862	2	BEARING, ball
4	74357412	1	GEAR
5	70923579	1	O-RING, pump adapter
6	74321257 70924781	1	ADAPTER, pump mounting
		6	SCREW, 12-point, Nylok, 5/16" NC x 2-1/4"
7	70658125	1	COUPLING, pump, external spline
8	70656754	1	COUPLING, pump, internal spline



OIL PAN

T-13155

ITEM PART NO. QTY. DESCRIPTION

1	74337466 70919224 74255916 70914392 70919787 70904206 70904205 70913544 70912369	1 24 5 2 3 24 5 24 5	PAN, oil CAPSCREW, 3/8"NC x 1-1/8" CAPSCREW, nylon strip, 3/8"NC x 1") CAPSCREW, 5/16"NC x 1" CAPSCREW, 5/16"NC x 6-1/2" LOCKWASHER, 3/8" LOCKWASHER, 5/16" WASHER, plain (3/4" O. D.) WASHER, plain (5/8" O. D.)
2	70667252	2	□GASKET, oil drain plug
3	70035250	2	PLUG, oil drain
4	74373770 70916271 70904206	2 16 16	COVER, clean-out CAPSCREW, 3/8"NC x 1" LOCKWASHER, 3/8"
5	74373069	2	□GASKET, clean-out cover
6	74347543	1	GASKET SET, oil pan (5 pieces)
7	74349037	1	ADAPTER, oil level gauge
8	74506607	1	SEAL, oil level gauge
9	74336872	1	GAUGE, oil level
10	74357982	1	GAUGE, oil level
11	74357592	1	ADAPTER, oil level gauge

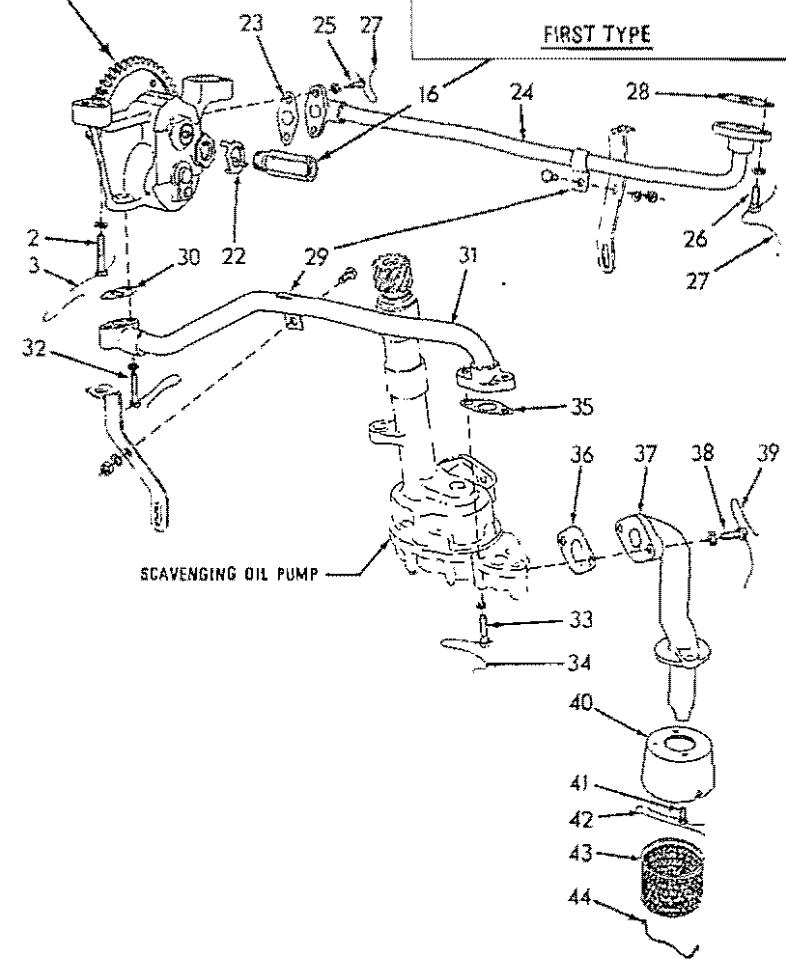
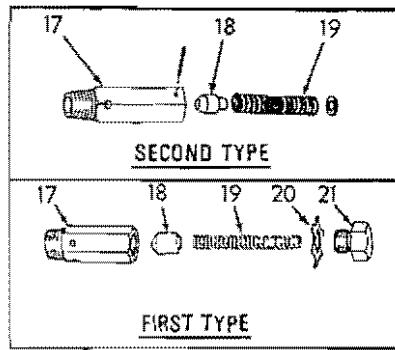
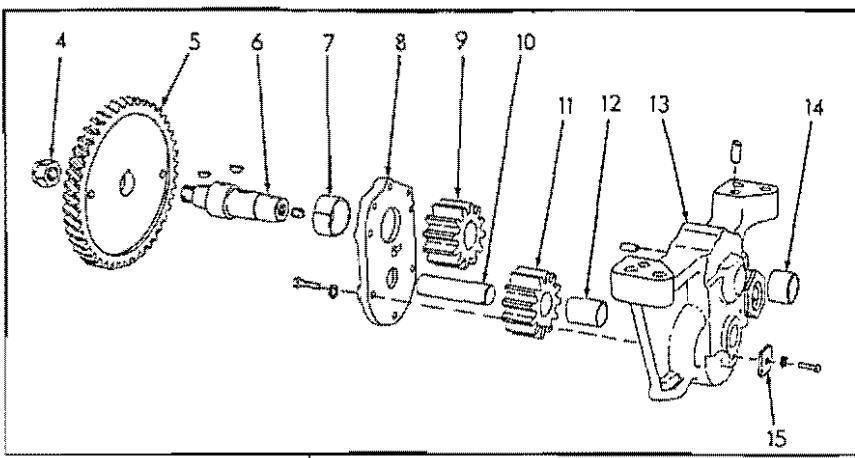
} Engines prior to #11-14551

} Effective with engine #11-14551

## PRESSURE OIL PUMP

ITEM	PART NO.	QTY.	DESCRIPTION
<u>NOTE:</u> Replacement for original equipment pressure and scavenging pump assemblies are no longer supplied. If replacement of either pump is necessary, install Oil Pump Conversion Kit 74321188, 1 Gauge 74320898, and 1 Adapter 74354656. See PACKAGED PARTS.			
1	74359056	1	PUMP ASSY. (Consists of items 4 thru 15)
2	74348692	4	CAPSCREW, drilled-hd., 3/8"NC x 1-3/4"
	70904206	4	LOCKWASHER, 3/8"
3	74509035	2	WIRE, locking, #18 x 10"
4	74254977	1	NUT, gear retaining
5	74337047	1	GEAR, driving
6	74348894	1	SHAFT, upper
	70917673	1	PLUG, pipe, hex-socket, 1/8"NPT
	70910224	2	KEY, #6 woodruff, 5/32" x 5/8"
7	74347659	1	BUSHING, pump cover
8	74348044	1	COVER ASSY. (Includes item 7)
	70916282	6	CAPSCREW, 1/4"NC x 7/8"
	70904204	6	LOCKWASHER, 1/4"
9	74348883	1	GEAR, upper (10 teeth)
10	74348038	1	SHAFT, lower
11	74348891	1	GEAR ASSY., lower (10 teeth. (Includes item 12)
12	74348083	1	BUSHING, lower gear
13	74348885	1	HOUSING ASSY. (Includes item 14 and dowel Pins indented below)
	70917554	1	PIN, dowel, 1/4" x 1/2"
	70917546	2	PIN, dowel, 3/8" x 5/8"
14	74348303	1	BUSHING, pump housing
15	74348020	1	RETAINER, lower shaft
	70916284	1	CAPSCREW, 1/4"NC x 1/2"
	70904204	1	LOCKWASHER, 1/4"
16	74320597	1	VALVE ASSY., pressure relief (Items 17 thru 19)
17	-----	1	BODY, pressure relief valve } Not serviced
18	-----	1	PISTON, pressure relief valve } separately
19	-----	1	SPRING, pressure relief valve (Used prior to engine #11-11898. Order item 16)
	74354568	1	SPRING, pressure relief valve (Effective with engine #11-11898)
	74359310	1	WASHER, plain
	70916001	1	PIN, spring, 3/16" x 1"
20	-----	1	WASHER, locking, relief } Used prior to valve cap
			valve cap } engine #11-11898.
21	-----	1	CAP, relief valve } Order item 16
22	74347938	1	LOCK, oil pressure relief valve
23	74348215	1	□GASKET, discharge pipe to pump

(Continued)

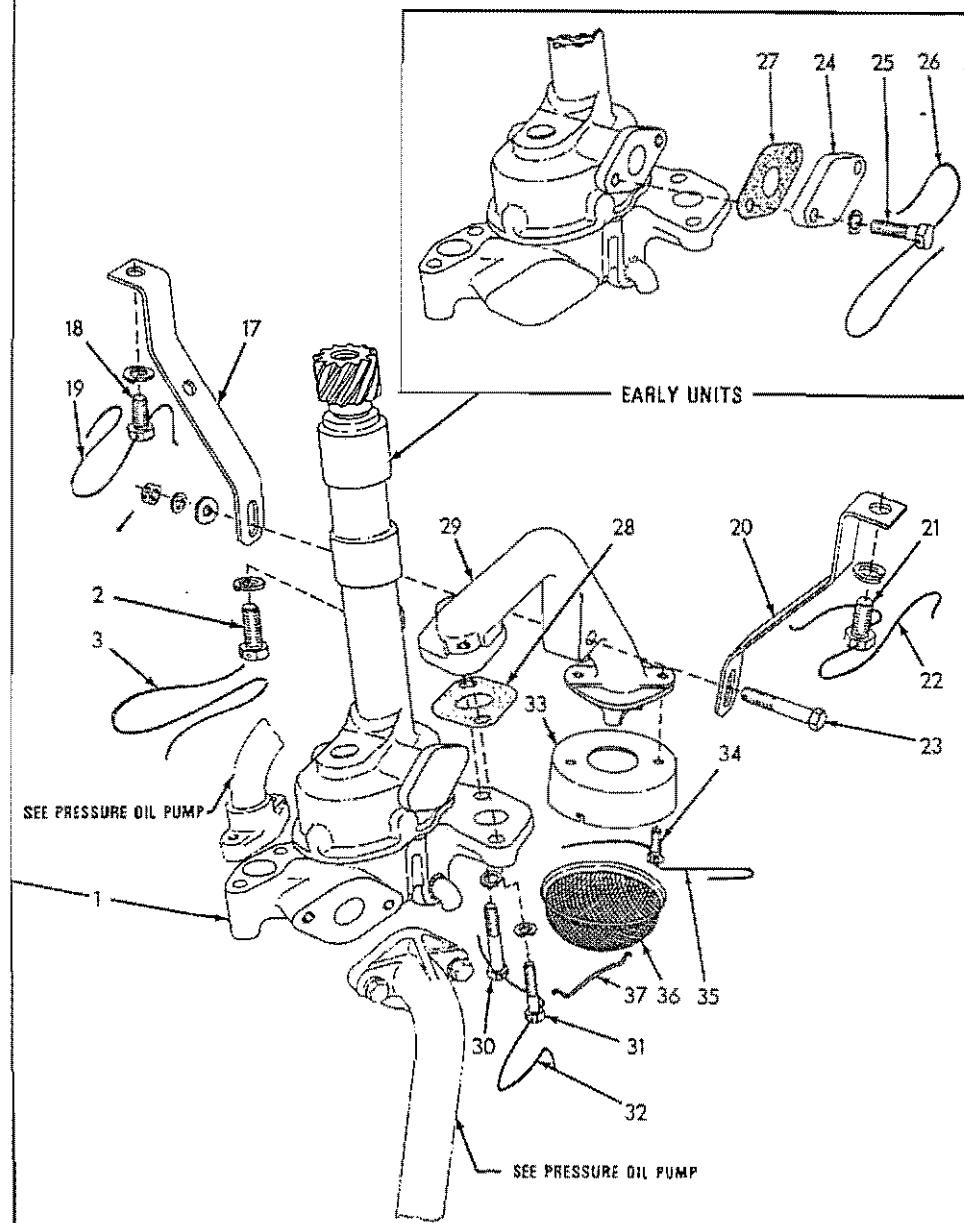
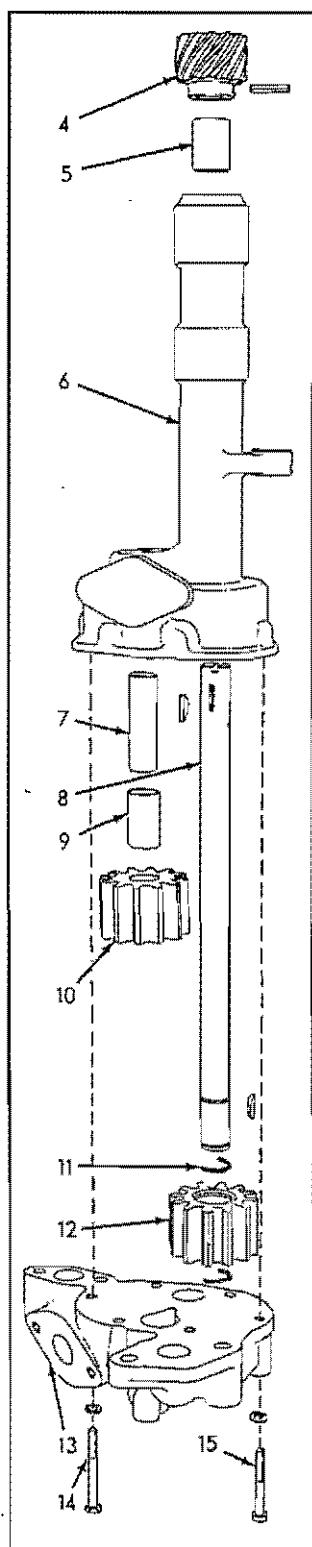


PRESSURE OIL PUMP

T-13181

P R E S S U R E O I L P U M P (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
24	74335382	1	PIPE, pump discharge
25	74320227	2	CAPSCREW, drilled-hd., 5/16"NC x 7/8"
	70904205	2	LOCKWASHER, 5/16"
26	74346483	2	CAPSCREW, drilled-hd., 3/8"NC x 1-1/4"
	70904206	2	LOCKWASHER, 3/8"
27	74509035	2	WIRE, locking; #18 x 10"
28	74346169	1	□GASKET, discharge pipe to crankcase
29	74347572	2	CLAMP, pipe supporting
	70915408	2	CAPSCREW, 3/8"NC x 3/4"
	70904206	2	LOCKWASHER, 3/8"
	70910324	2	NUT, 3/8"NC
30	74348218	1	□GASKET, suction pipe to pressure pump
31	74335384	1	PIPE, suction, front section
32	74349375	2	CAPSCREW, drilled-hd., 5/16"NC x 1-5/8"
33	74349383	2	CAPSCREW, drilled-hd., 5/16"NC x 2"
	70904205	4	LOCKWASHER, 5/16"
34	74509035	2	WIRE, locking, #18 x 10"
35	74348215	1	□GASKET, front suction pipe to scavenging pump
36	74346441	1	□GASKET, rear suction pipe to scavenging pump
37	74335050	1	PIPE, suction, rear section
38	74304980	2	CAPSCREW, drilled-hd., 3/8"NC x 1-1/8"
	70904206	2	LOCKWASHER, 3/8"
39	74348689	1	WIRE, locking, #18 x 13"
40	74389732	1	COVER, oil screen
41	74374129	2	CAPSCREW, drilled-hd., 5/16"NC x 3/4"
42	74509035	1	WIRE, locking, #18 x 10"
43	74374127	1	SCREEN, oil
44	74376294	1	RETAINER, oil screen



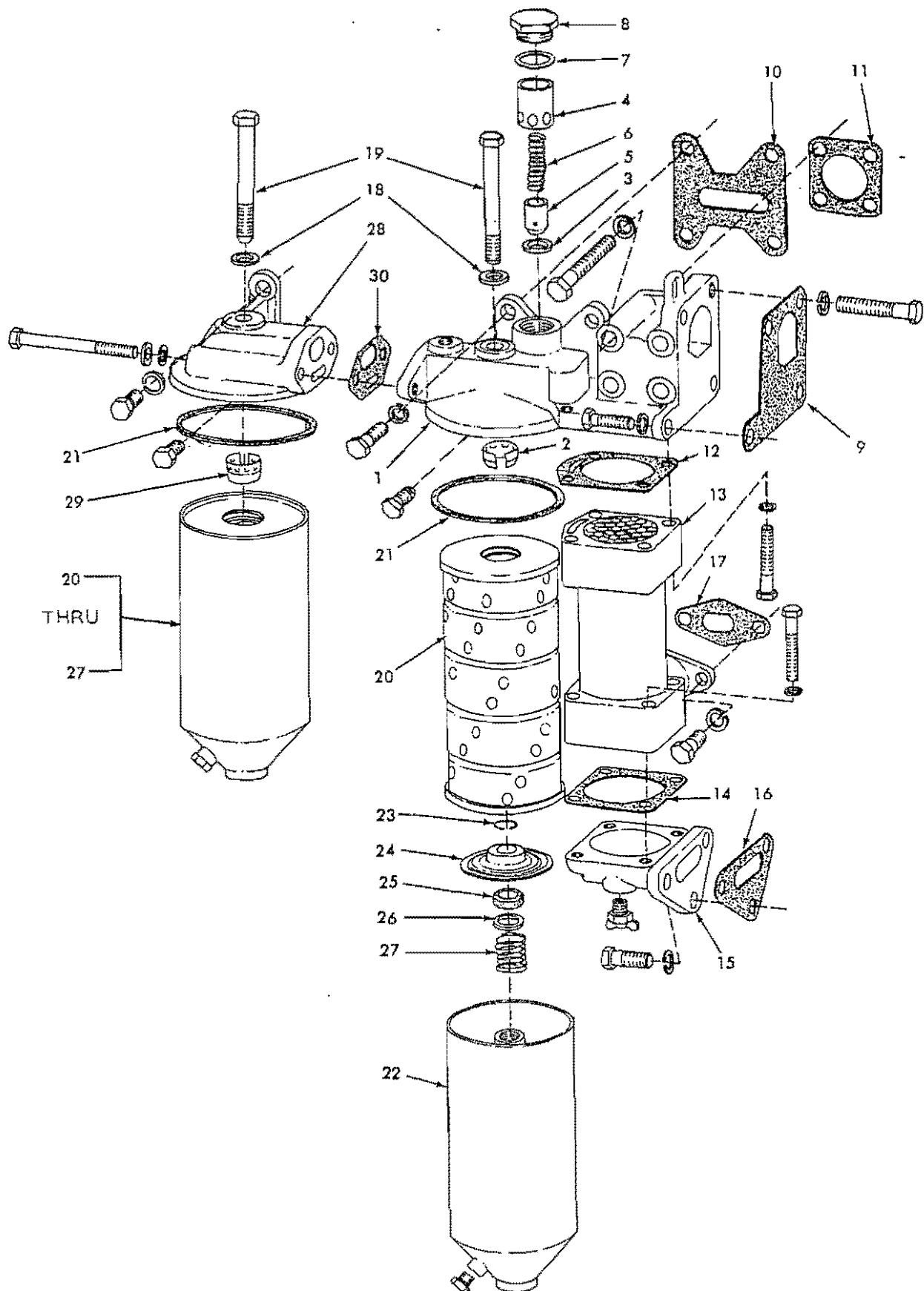
SCAVENGING OIL PUMP

T-13980

## SCAVENGING OIL PUMP

ITEM	PART NO.	QTY.	DESCRIPTION
			<u>NOTE:</u> Replacement for the original equipment scavenging and pressure pump assemblies are no longer supplied. If replacement of either pump is necessary, install Oil Pump Conversion Kit 74321188, 1 Gauge 74320898, and 1 Adapter 74354656. See PACKAGED PARTS.
1	74357721	1	PUMP ASSY., scavenging (Consists of items 4 thru 16)
2	74311869	1	CAPSCREW, drilled-hd., 1/2"NC x 1-1/4"
	70904208	1	LOCKWASHER, 1/2"
3	74509035	1	WIRE, locking, #18 x 10"
4	74660408	1	GEAR, pump driving
	70917466	1	PIN, spring, 3/16" x 1-1/8"
5	74346327	2	BUSHING, pump body
6	74357722	1	BODY ASSY., (Includes items 5 and 7)
7	74660409	1	SHAFT, stub
8	74347893	1	SHAFT, drive
	70905122	2	KEY, #7 woodruff, 1/8" x 3/4"
9	74660412	1	BUSHING, pumping gear
10	74660410	1	GEAR ASSY., pumping (Includes item 9)
11	74251141	2	RING, snap, drive shaft
12	74660407	1	GEAR, pumping (keywayed)
13	74335000	1	COVER, pump body
14	70910899	5	CAPSCREW, 1/4"NC x 2"
15	70918594	1	CAPSCREW, 1/4"NC x 2-1/4"
	70904204	6	LOCKWASHER, 1/4"
17	74347578	1	BRACKET, suction pipe bracing, left
18	74375812	1	CAPSCREW, drilled-hd., 1/2"NC x 1"
	70904208	1	LOCKWASHER, 1/2"
19	74348691	1	WIRE, locking, #18 x 6"
20	74347577	1	BRACKET, suction pipe bracing, right
21	74375812	1	CAPSCREW, drilled-hd., 1/2"NC x 1"
	70904208	1	LOCKWASHER, 1/2"
22	74348691	1	WIRE, locking, #18 x 6"
23	74335153	1	CAPSCREW, suction pipe to brace (drilled-end)
	70912597	1	WASHER, plain
	70904206	1	LOCKWASHER, 3/8"
	70914773	1	NUT, slotted, 3/8"NC
	70900802	1	PIN, cotter, 3/32" x 1"
24	74347575	1	COVER, side, pump body
25	74365867	2	CAPSCREW, drilled-hd., 3/8"NC x 1"
	70904206	2	LOCKWASHER, 3/8" } Engines prior to #
26	74509035	1	WIRE, locking, #18 x 10" } 11-13199
27	74362458	1	□GASKET, pump body side cover
28	74346441	1	□GASKET, scavenging pump suction pipe
29	74335048	1	PIPE, suction
30	74349382	1	CAPSCREW, drilled-hd., 3/8"NC x 2-1/4"
31	74335264	1	CAPSCREW, drilled-hd., 3/8"NC x 1-3/8"
	70904206	2	LOCKWASHER, 3/8"
32	74509035	1	WIRE, locking, #18 x 10"
33	74348684	1	COVER, oil screen
34	74374129	2	CAPSCREW, drilled-hd., 5/16"NC x 3/4"
35	74509035	1	WIRE, locking, #18 x 10"
36	74348683	1	SCREEN, oil
37	74348682	1	RETAINER, oil screen

(Revised May 1979)



LUBRICATING OIL FILTER AND COOLER

T-72320

LUBRICATING OIL FILTER AND COOLER

ITEM	PART NO.	QTY.	DESCRIPTION
1	74339198	1	HEAD ASSEMBLY (Includes items 2 thru 8)
	70920541	3	CAPSCREW, Nylok, 1/2"NC x 1-1/2"
	70920540	1	CAPSCREW, Nylok, 1/2"NC x 1-1/4"
	70920574	3	CAPSCREW, 1/2"NC x 1-3/8"
	70915969	1	CAPSCREW, 1/2"NC x 3"
	70904208	6	LOCKWASHER, 1/2"
	70919293	4	CAPSCREW, 3/8"NC x 5"
	70904206	4	LOCKWASHER, 3/8"
2	74379263	1	ADAPTOR, cartridge centering, upper
3	74373614	1	SEAT, by-pass valve
4	74373612	1	SLEEVE, by-pass valve piston
5	74373613	1	PISTON, by-pass valve
6	74335666	1	SPRING, by-pass valve
7	74253751	1	GASKET, by-pass valve cap
8	74373610	1	CAP, by-pass valve cap
9	74339128	1	GASKET, filter head
10	74339150	1	□GASKET, filter head to block, rear
11	74348184	1	□GASKET, filter head to block, front
12	74339118	1	GASKET, oil cooler to filter head
13	74339124	1	COOLER, Lubricating oil
	70912069	8	CAPSCREW, 3/8"NC x 2-1/2"
	70921076	2	CAPSCREW, 3/8"NC x 1-1/4" (To block)
	70904206	10	LOCKWASHER, 3/8"
14	74349984	1	GASKET, oil cooler to adaptor
15	74339121	1	ADAPTOR, oil cooler
	70912415	1	COCK, drain, 1/4"NPT
	70915987	3	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	3	LOCKWASHER, 1/2"
16	74339127	1	GASKET, oil cooler adaptor
17	74339151	1	□GASKET, cooler to block
18	74376749	2	WASHER, sealing, filter body capscrew
19	74339022	2	CAPSCREW, oil filter body
20	74395889	2	ELEMENT ASSY., oil filter (Includes item 21)
21	74372325	2	GASKET, oil filter body
22	74339021	2	BODY, oil filter
	70918951	2	PLUG, pipe, hex-hd., 3/8"NPT
23	74379269	2	RING, snap, adaptor retaining

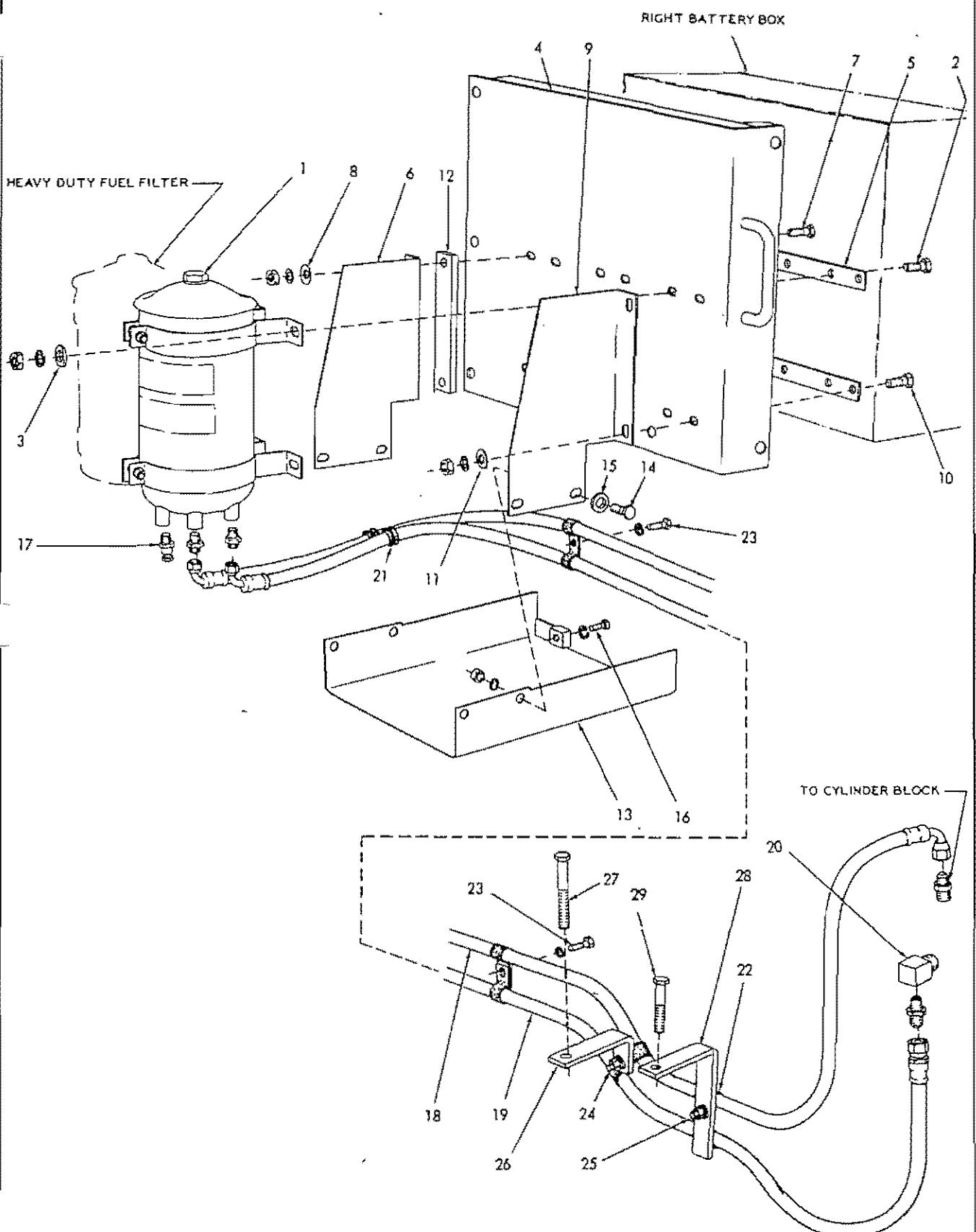
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(Revised May 1979)

LUBRICATING OIL FILTER AND COOLER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
24	74055971	2	ADAPTOR, cartridge centering, lower
25	74053409	2	SEAL, cartridge adaptor
26	74053410	2	WASHER, cartridge adaptor seal
27	74379268	2	SPRING, cartridge retaining
28	74339454	1	HEAD ASSEMBLY, rear filter (Includes item 29)
	70920682	2	CAPSCREW, 3/8"NC x 5-1/2"
	70904206	2	LOCKWASHER, 3/8"
	70922465	2	WASHER, plain
	70916311	1	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	1	LOCKWASHER, 1/2"
	70921865	1	CAPSCREW, Nylok, 1/2"NC x 1"
29	74379263	1	ADAPTOR, cartridge centering, upper
30	74339123	1	GASKET, filter interconnection

MEMO



T-41853

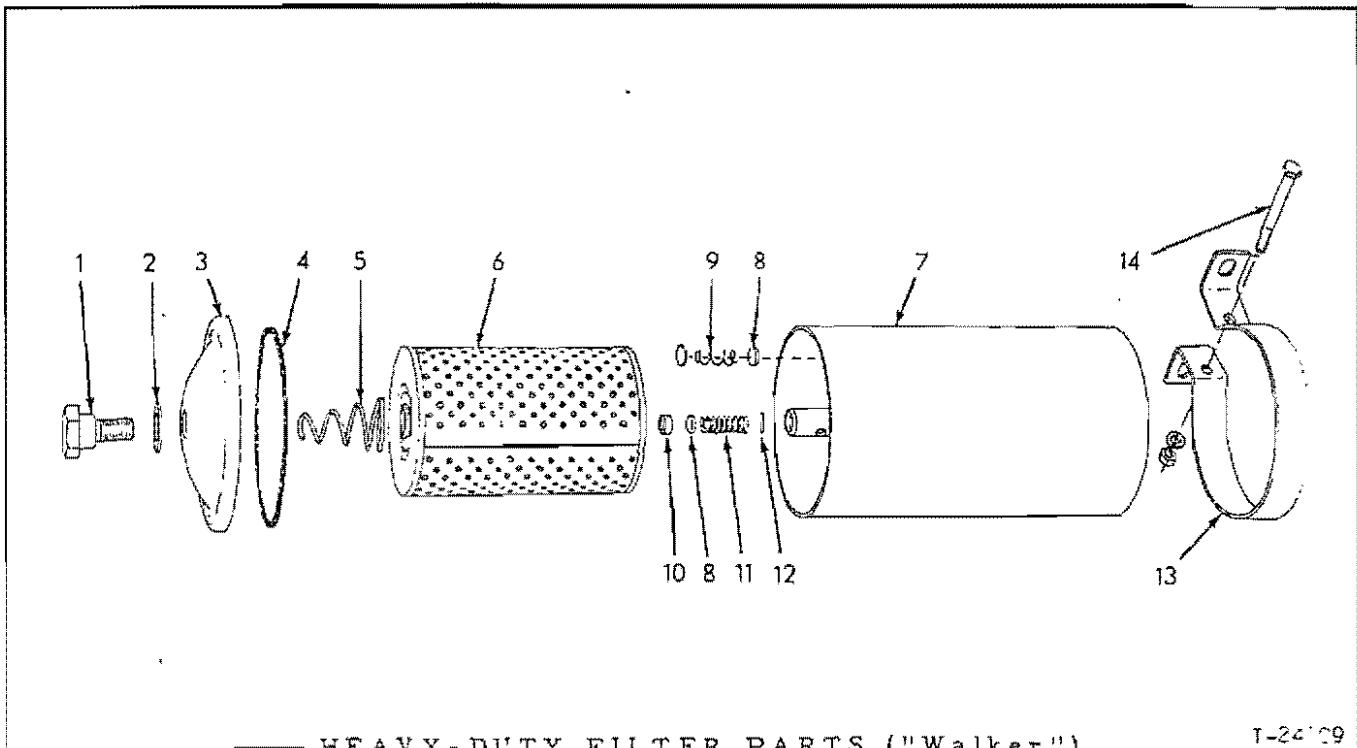
HEAVY-DUTY OIL FILTER

## HEAVY-DUTY OIL FILTER

USAGE: Special equipment. Supplements standard oil filter.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70098363	1	FILTER ASSEMBLY ("Walker". See page 48 for parts)(Used prior to August 1965)
1	70654674	1	FILTER ASSEMBLY ("Briggs". See page 49 for parts)(Effective August 1965)
2	70035018	4	CAPSCREW, 1/2"NF x 1-1/2"
3	70064531	4	WASHER, plain
	70904208	4	LOCKWASHER, 1/2"
	70911043	4	NUT, 1/2"NF
4	70639421	1	COVER, right battery box (Replaces standard COVER 70639905)
5	70099830	2	PLATE, reinforcing
6	70099831	1	BRACKET, channel supporting, rear
7	70035067	2	CAPSCREW, 1/2"NF x 2"
8	70064531	2	WASHER, plain
	70904208	2	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF
9	70099832	1	BRACKET, channel supporting, front
10	70035067	2	CAPSCREW, 1/2"NF x 2"
11	70064531	2	WASHER, plain
	70904208	2	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF
12	70639416	2	BAR, bracket spacing
13	70639419	1	CHANNEL, hose protecting
14	70070469	4	CAPSCREW, 1/2"NF x 1-1/4"
15	70064531	4	WASHER, plain
	70904208	4	LOCKWASHER, 1/2"
	70911043	4	NUT, 1/2"NF
16	70070469	2	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	2	LOCKWASHER, 1/2"
17	70633519	1	COCK, drain, 3/8"NPT
18	70639412	1	HOSE, oil supply (See HOSE PARTS)
	70919172	2	CONNECTOR, flare type, 3/8" tube, 3/8"NPT male
19	70639411	1	HOSE, oil return (See HOSE PARTS)
	70919062	1	CONNECTOR, flare type, 3/8" tube, 1/4"NPT male
	70919172	1	CONNECTOR, flare type, 3/8" tube, 3/8"NPT male
20	70644115	1	ELBOW, oil return line
21	70667513	2	GROMMET, hose protecting, rear
22	70094467	8	CLIP, hose supporting
23	70035244	2	CAPSCREW, 3/8"NC x 3/4"
24	70035167	1	CAPSCREW, 3/8"NF x 7/8"
25	70036034	1	CAPSCREW, 3/8"NF x 1"
	70904206	4	LOCKWASHER, 3/8"
	70911041	2	NUT, 3/8"NF
	70911115	1	WASHER, plain, SAE std., 3/8"
26	70639417	1	ANGLE, hose supporting, rear
27	70042430	1	CAPSCREW, 1/2NF x 3-1/4"
28	70618103	1	ANGLE, hose supporting, front
29	70035068	1	CAPSCREW, 1/2"NF x 2-1/4"

NOTE: See PAINTING AND MARKING for transfers

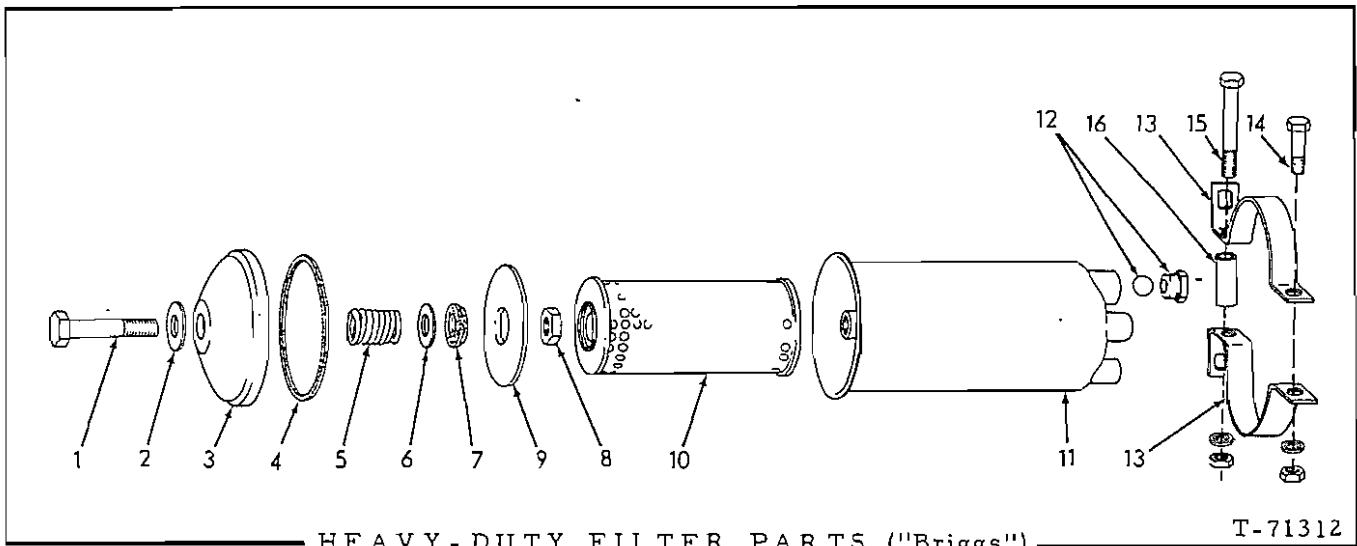


HEAVY-DUTY FILTER PARTS ("Walker")

T-2479

\*70098363 FILTER ASSEMBLY, oil (See page 47)  
\*\*70098364 FILTER ASSEMBLY, fuel (See page 51)

ITEM	PART NO.	QTY.	*	**	DESCRIPTION
1	70098433	1	1		BOLT, cover
2	70098435	1	1		GASKET, cover bolt
3	70098436	1	1		COVER
4	70098437	1	1		GASKET, cover
5	70098438	1	1		SPRING, element hold-down
6	70098441	1	1		ELEMENT KIT (Includes item 4)
7	70098440	1	-		SHELL ASSEMBLY (Includes items 8 thru 12)
	70910002	1	-		PLUG, expansion, 3/4" diam.
	70098439	-	1		SHELL
8	70098444	2	-		VALVE, check, inlet and outlet
9	70098446	1	-		SPRING, inlet check valve
10	70099746	1	-		SLEEVE, outlet check valve
11	70098443	1	-		SPRING, outlet check valve
12	70098445	1	-		PIN, retaining, outlet valve spring
13	70098434	2	2		BRACKET, mounting
14	70042265	2	2		CAPSCREW, 3/8"NF x 3-1/4"
	70904206	2	2		LOCKWASHER, 3/8"
	70911041	2	2		NUT, 3/8"NF



T-71312

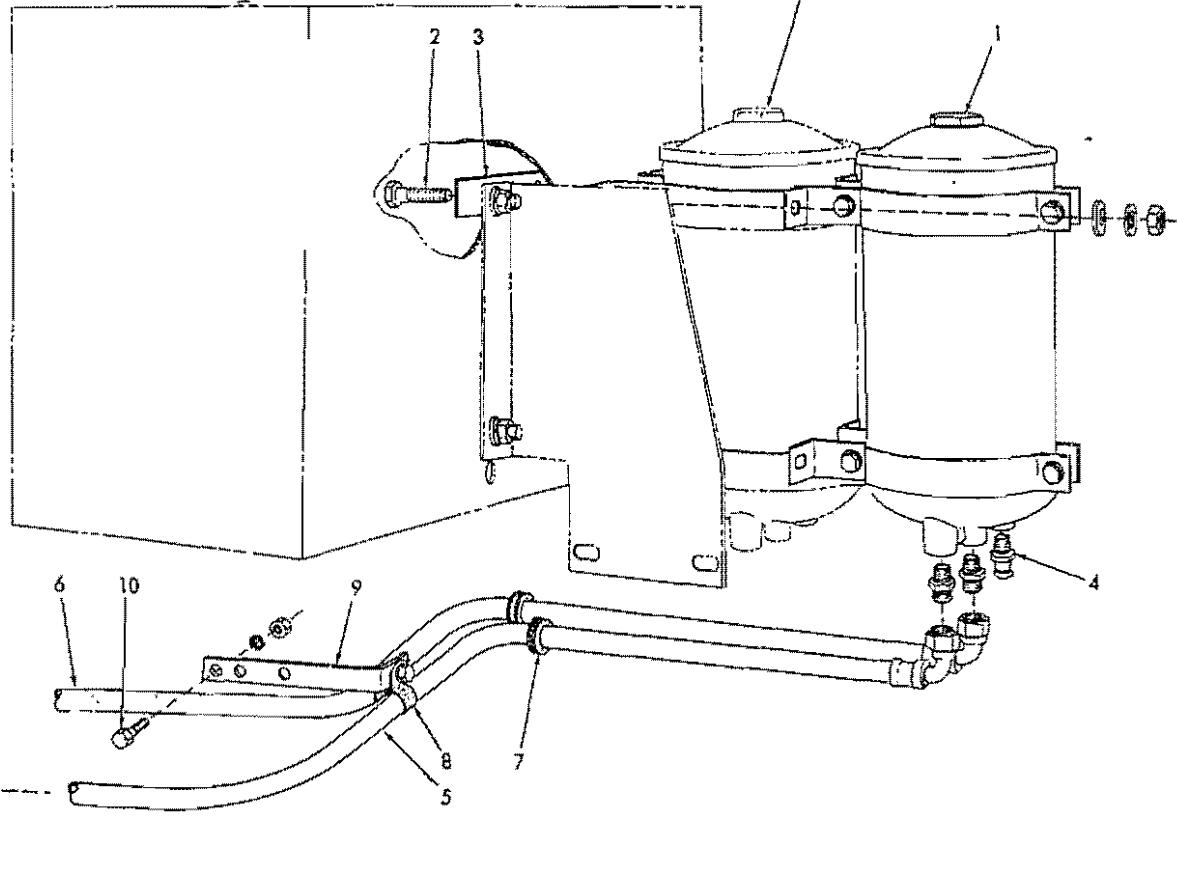
**HEAVY - DUTY FILTER PARTS ("Briggs")**

\* 70654674 FILTER ASSEMBLY, oil (See page 47)  
 \*\* 70654673 FILTER ASSEMBLY, fuel (See page 51)

ITEM	PART NO.	QTY.	DESCRIPTION
1	70647680	1	- VALVE ASSEMBLY, by-pass (Includes ball, spring and retainer) (Serviced only as a unit)
	70647432	-	1 CAPSCREW, cover retaining
2	70647436	1	1 WASHER, cover retaining capscrew
3	70647446	1	1 COVER, tank
4	70647448	1	1 GASKET, tank cover
5	70647439	1	1 SPRING, element retaining
6	70647449	1	1 WASHER, element retaining spring (steel)
7	70647450	1	1 WASHER, sealing, cover retaining capscrew (cork)
8	70647455	1	1 NUT
9	70647453	1	1 PLATE, element retaining
10	70647513	1	1 ELEMENT KIT (Includes item 4)
11	70654720	1	- TANK
	70654719	-	1 TANK
12	70654721	1	- BUSHING, oil inlet
	70905366	1	- BALL, steel, 11/16" diam. (check valve)
13	70647554	4	4 STRAP, mounting
14	70013059	2	2 CAPSCREW, 3/8"NC x 2"
15	70041915	2	2 CAPSCREW, 3/8"NC x 3-1/2"
	70904206	4	4 LOCKWASHER, 3/8"
	70911026	4	4 NUT, 3/8"NC
16	70654717	2	2 PIPE, spacing, mounting strap

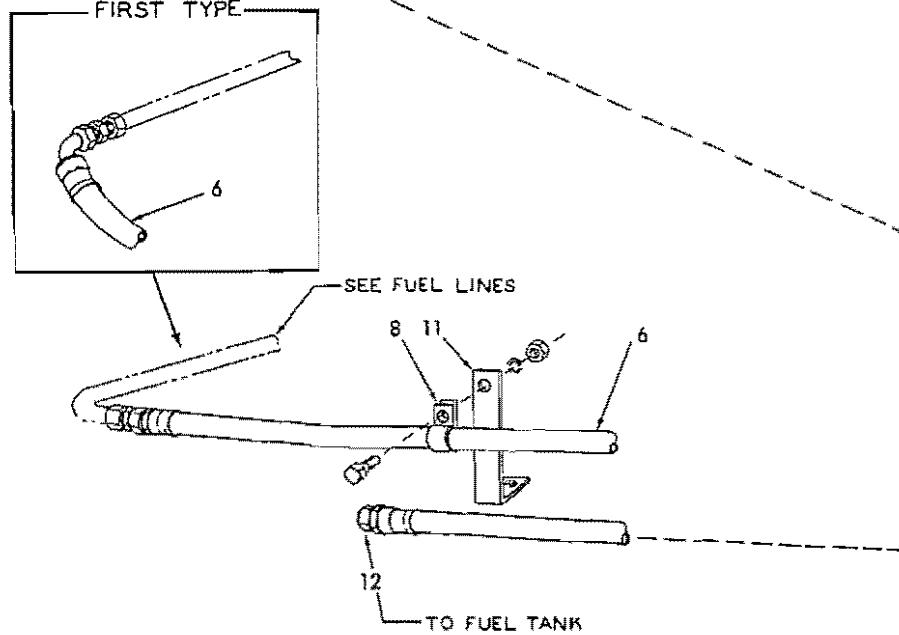
RIGHT BATTERY BOX

SEE HEAVY DUTY OIL FILTER



FIRST TYPE

SEE FUEL LINES



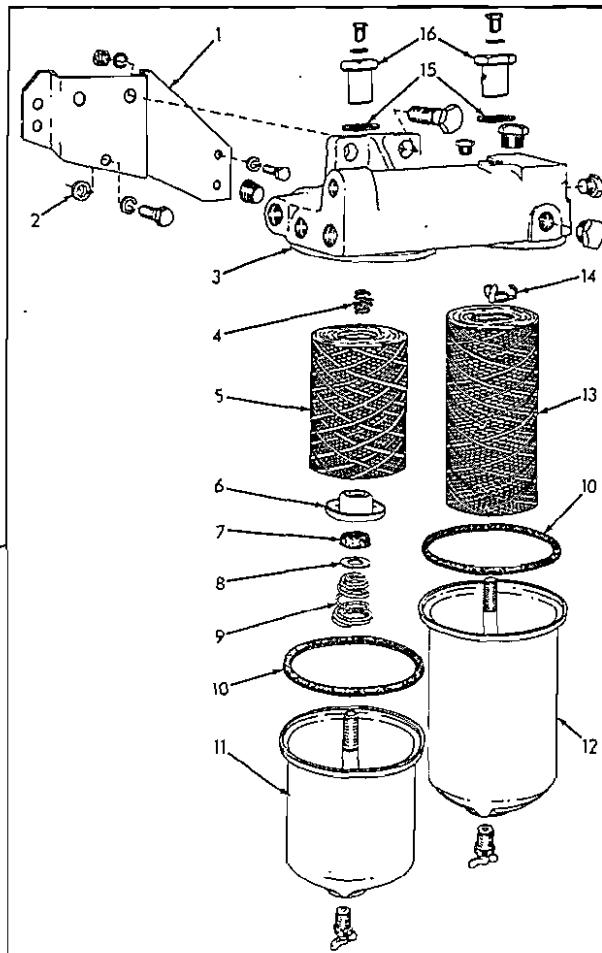
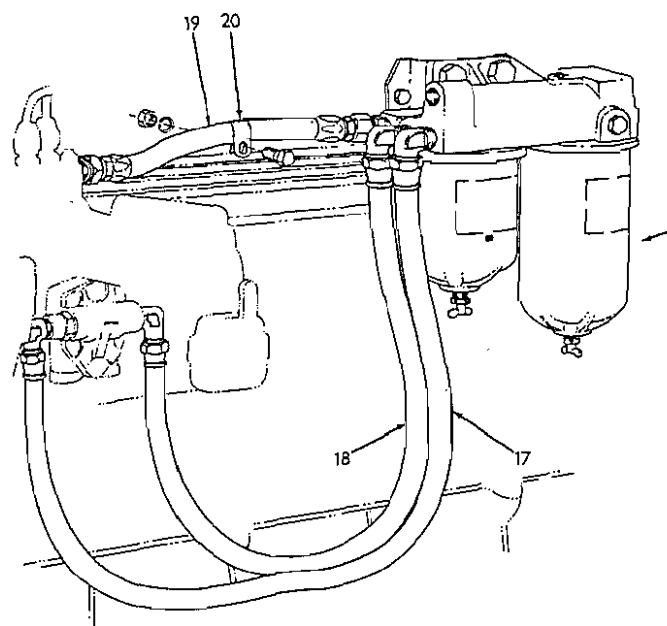
T-72321

HEAVY-DUTY FUEL FILTER

## HEAVY-DUTY FUEL FILTER

USAGE: Special equipment. Supplements standard fuel filter.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70098364	1	FILTER ASSEMBLY ("Walker". See page 48 for parts)(Used prior to August 1965)
	70654673	1	FILTER ASSEMBLY ("Briggs". See page 49 for parts)(Effective August 1965)
2	70035018	4	CAPSCREW, 1/2"NF x 1-1/2"
	70064531	4	WASHER, plain
	70904208	4	LOCKWASHER, 1/2"
	70911043	4	NUT, 1/2"NF
3	70099830	2	PLATE, reinforcing
4	70633519	1	COCK, drain, 3/8"NPT
5	70639414	1	HOSE, tank to filter (See HOSE PARTS)
	70919063	1	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
6	70639413	1	HOSE, filter to fuel line (See HOSE PARTS)(Used prior to tractor #10452)
	70646917	1	HOSE, filter to fuel line (See HOSE PARTS)(Effective with tractor #10452)
	70919063	1	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
	70919066	1	UNION, flare type, 1/2" tube
7	70644876	2	GROMMET, hose protecting
8	70622992	3	CLIP, hose supporting
	70036032	2	CAPSCREW, 3/8"NF x 7/8"
	70904206	2	LOCKWASHER, 3/8"
	70911041	2	NUT, 3/8"NF
9	70639415	1	ANGLE, hose supporting
10	70614478	3	CAPSCREW, 1/2"NF x 1-3/8"
	70904208	3	LOCKWASHER, 1/2"
	70911043	3	NUT, 1/2"NF
11	70630280	1	ANGLE, hose supporting
12	-----	-	See FUEL LINES for shut-off valve and fittings



T-41851

F U E L   F I L T E R

USAGE: Tractors prior to serial No. 12201

ITEM PART NO. QTY. DESCRIPTION

NOTE: Also see page 51 for supplementary Heavy-Duty Fuel Filter

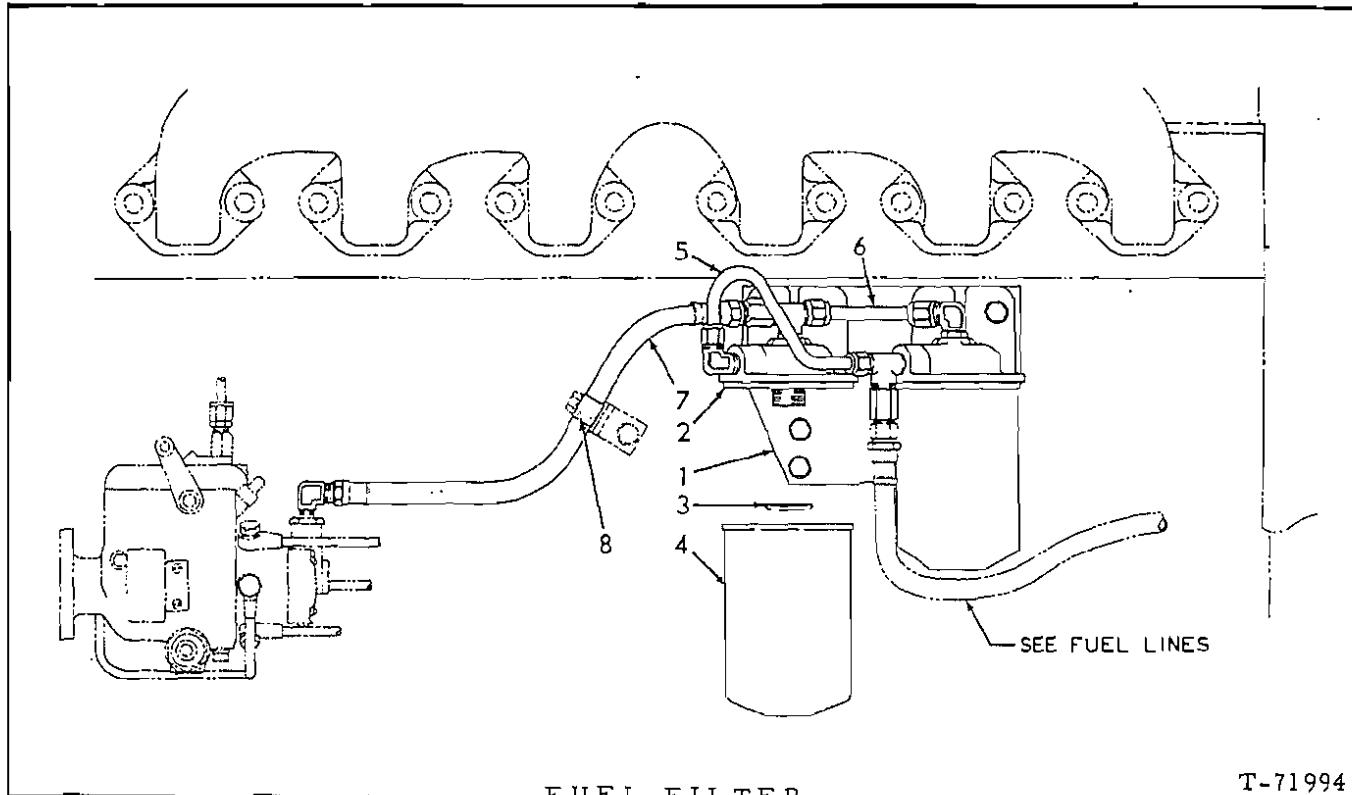
1	74339111 70920028 70915813 70904205	1	BRACKET, filter mounting CAPSCREW, 5/16"NC x 13/16" CAPSCREW, 5/16"NC x 7/8" LOCKWASHER, 5/16"
2	74352332	1	WASHER, spacing, mounting bracket
3	4389051 70919134 70920333 70918887 70919230 70904208 70910325	1	HEAD ASSEMBLY (Includes PLUGS indented below) PLUG, pipe, hex-hd., 1/8"NPT PLUG, pipe, hex-hd., 3/8"NPT PLUG, hex-socket, 3/8"NPT CAPSCREW, 1/2"NC x 1-3/8" LOCKWASHER, 1/2" NUT, 1/2"NC

(Continued)

## FUEL FILTER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
4	74055913	1	GUIDE, element centering, second stage filter
5	74056633	1	ELEMENT KIT, second stage filter (Includes items 7, 8 and 10)
6	74052173	1	PLATE, element seating, second stage filter
7	-----	1	GASKET, element seat plate (Furnished only as part of item 5)
8	-----	1	WASHER, seating plate gasket (Furnished only as part of item 5)
9	74052174	1	SPRING, second stage filter
10	74040013	2	GASKET, filter shell
11	70065582 70912415	1	SHELL, second stage filter COCK, drain, 1/4"NPT
12	74354416 70912415	1	SHELL ASSEMBLY, first stage filter (Includes items 13 thru 16 and COCK 70912415) COCK, drain, 1/4"NPT
13	74055563	1	ELEMENT ASSEMBLY, first stage filter (Includes item 10)(Not used when Heavy-Duty Fuel Filter is installed)
14	74051485	1	GUIDE, element centering, first stage filter
15	74051484	2	GASKET, shell retaining nut
16	74389113 70919288 70914686	2	NUT, shell retaining CAPSCREW, 1/4"NC x 3/8" WASHER, plain, copper, 1/4" I.D.
17	74339568 70919136 74337251	1	HOSE ASSY., first stage filter to transfer pump(See HOSE PARTS){Not used on tractors equipped with special Heavy-duty Fuel Filter} ELBOW, flare type, 3/8" tube, 3/8"NPT male ELBOW, flare type, 3/8" tube, 1/4"NPT male
18	74339569 70919136 74337251	1	HOSE ASSY., transfer pump to second stage filter(See HOSE PARTS) ELBOW, flare type, 3/8" tube, 3/8"NPT male ELBOW, flare type, 3/8" tube, 1/4"NPT male
19	74354675 70919172 70920316	1	HOSE ASSEMBLY, filter to injection pump (See HOSE PARTS) CONNECTOR, flare type, 3/8" tube, 3/8"NPT male ELBOW, flare type, 45°, 3/8" tube, 1/4"NPT male
20	70094422 70035167 70904206 70911041	1	CLIP, hose supporting (Attaches to control linkage bracket) CAPSCREW, 3/8"NF x 7/8" LOCKWASHER, 3/8" NUT, 3/8"NF

NOTE: See PAINTING AND MARKING for transfers



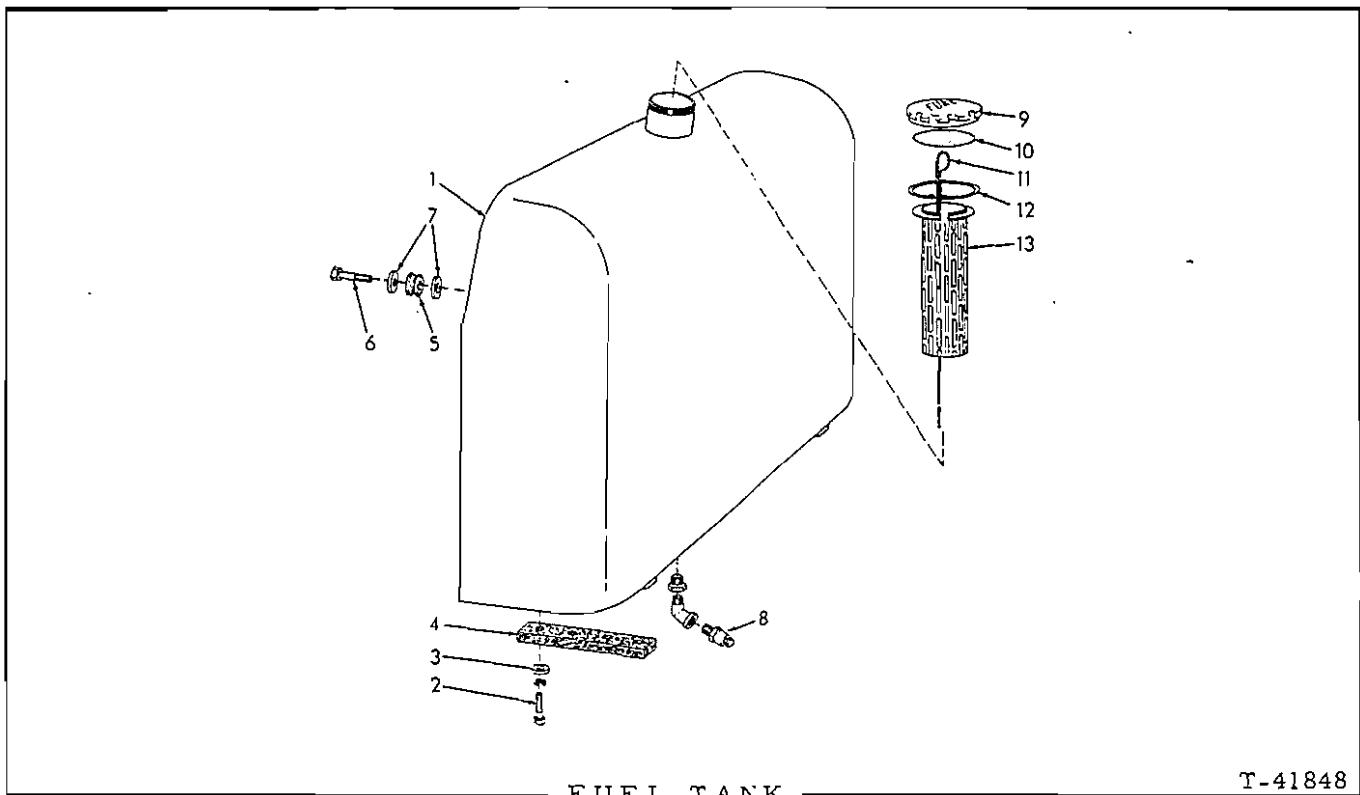
F U E L   F I L T E R

T-71994

USAGE: Tractors serial No. 12201 and up

ITEM PART NO. QTY. DESCRIPTION

1	74357429 70914392 70904205	1 4 4	BRACKET, filter mounting CAPSCREW, 5/16"NC x 1" LOCKWASHER, 5/16"
2	74025229	2	BASE ASSEMBLY, fuel filter (Includes insert which is not serviced separately)
	70919134 70916197 70904207 70912201	2 4 4 4	PLUG, pipe, hex-hd., 1/8"NPT CAPSCREW, 7/16"NC x 1-1/4" LOCKWASHER, 7/16" NUT, 7/16"NC
3	70923934	2	O-RING, filter element
4	74025230	2	ELEMENT, fuel filter (Includes item 3)
5	74354393	1	TUBE ASSEMBLY, fuel inlet (Includes NUTS and SLEEVES indented below)
	70917810 70917807 70919005 74354394	2 2 1 1	NUT, Imperial, 3/8" tube SLEEVE, Imperial, 3/8" tube ELBOW, Imperial, 3/8" tube, 3/8"NPT male TEE, Imperial, 3/8" tube, 3/8"NPT male end and side
6	74354391	1	TUBE ASSEMBLY, fuel outlet (Includes NUTS and SLEEVES indented below)
	70917810 70917807 70919005 74354394	2 2 1 1	NUT, Imperial, 3/8" tube SLEEVE, Imperial, 3/8" tube ELBOW, Imperial, 3/8" tube, 3/8"NPT male TEE, Imperial, 3/8" tube, 3/8"NPT male end and side
7	74357430 70923979 70919135	1 1 1	HOSE ASSEMBLY, filter to pump (See HOSE PARTS) CONNECTOR, flare type, 3/8" tube, 3/8"NPT female ELBOW, flare type, 3/8" tube, 1/4"NPT male
8	74255010	1	CLAMP, hose supporting



F U E L T A N K

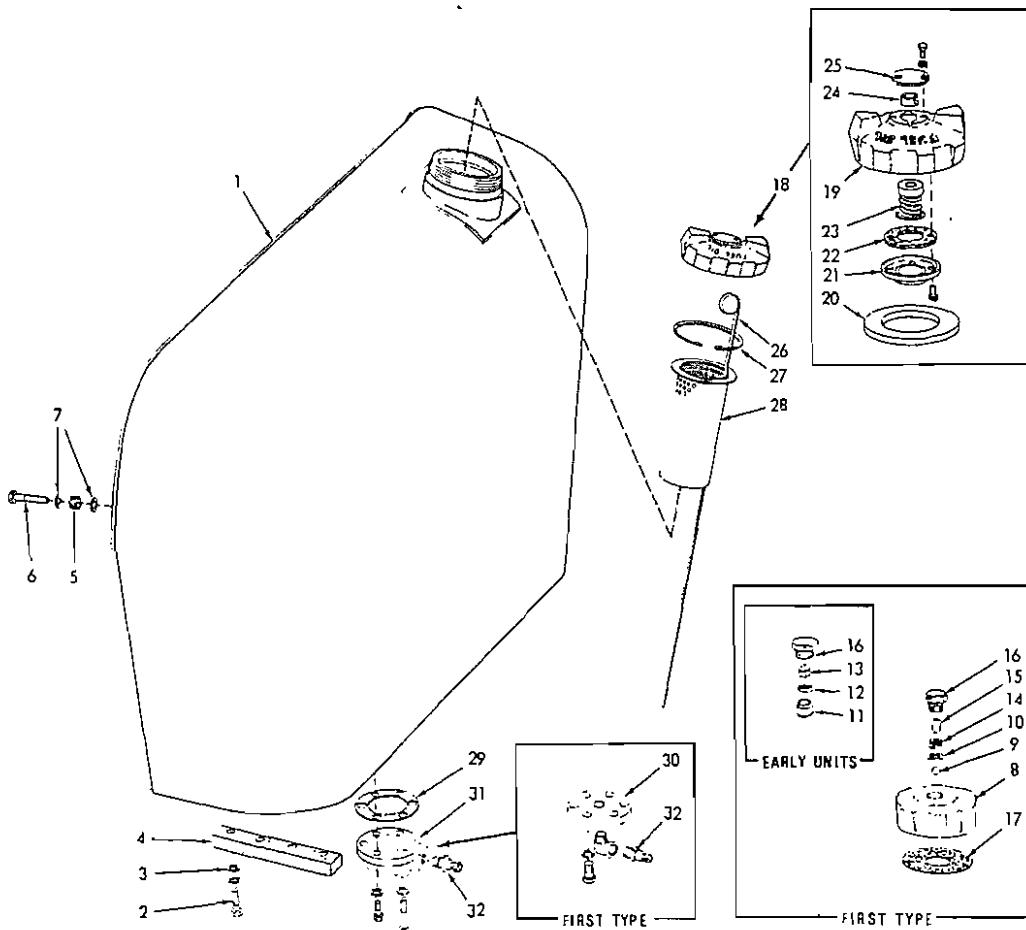
T-41848

USAGE: Tractors prior to serial No. 12201

ITEM PART NO. QTY. DESCRIPTION

1	70650230	1	TANK, fuel
2	70035073	8	CAPSCREW, 1/2"NF x 1-3/4"
	70904208	8	LOCKWASHER, 1/2"
3	70064531	8	WASHER, plain
4	70640619	2	PAD, fuel tank
5	70642441	4	SNUBBER, vibration
6	70035068	4	CAPSCREW, 1/2"NF x 2-1/4"
7	70092163	8	WASHER, vibration snubber
8	70633519	1	COCK, drain
	70910149	1	ELBOW, street, 45°, 3/8"NPT
	70902071	1	BUSHING, pipe reducing, 1"NPT to 3/8"NPT
9	70642744	1	CAP, filler
10	70065613	1	GASKET, filler cap
11	70053100	1	GAUGE, fuel level
12	70621775	1	RING, snap, fuel strainer } Effective with tractor #11373
13	70642749	1	STRAINER, fuel }

NOTE: See PAINTING AND MARKING for transfers



T-72323

**F U E L T A N K**

USAGE: Tractors serial No. 12201 and up

\* Tractors serial No. 12201 thru 13865

\*\* Tractors serial No. 13866 and up

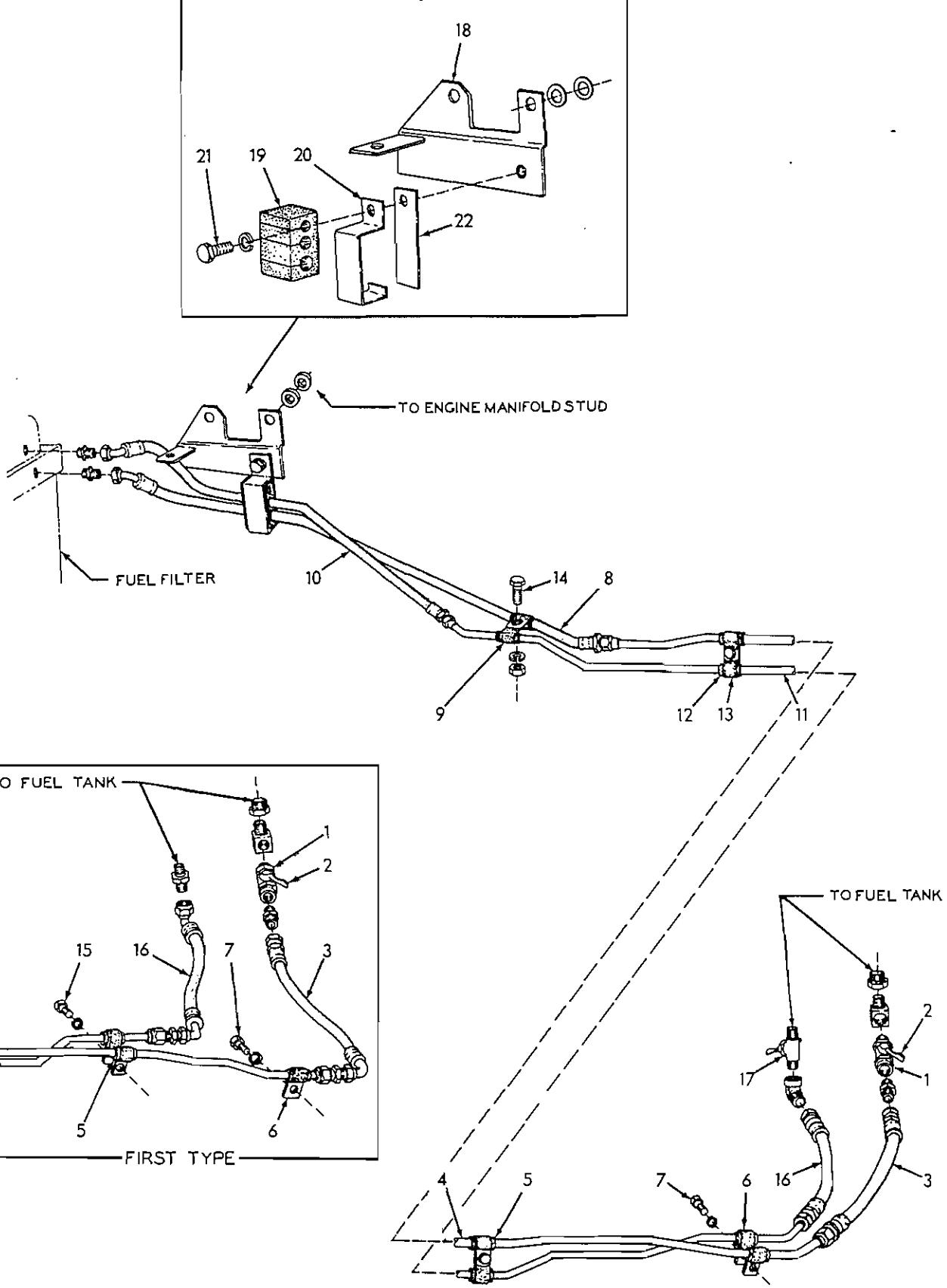
ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	70650840	1	1	TANK, fuel
2	70916028	8	8	CAPSCREW, 1/2"NF x 1-3/4"
	.70904208	8	8	LOCKWASHER, 1/2"
3	70064531	8	8	WASHER, plain
4	70640619	2	2	PAD, fuel tank
5	70642441	4	4	SNUBBER, vibration
6	70916420	4	4	CAPSCREW, 1/2"NF x 2-1/4"
7	70092163	8	8	WASHER, vibration snubber
8	70652567	1	-	CAP ASSY., filler (Includes items 9 thru 16)
9	70652586	1	-	BALL, check (aluminum)
10	70652587	1	-	WASHER, check ball

(Continued)

F U E L T A N K (Continued)

ITEM	PART NO.	QTY.	*	**	DESCRIPTION
11	-----	1	-		SPACER, breather
12	-----	1	-		SCREEN, breather
13	-----	1	-		FILTER, breather
14	70664867	1	-		ELEMENT, breather (lower)
15	70664868	1	-		ELEMENT, breather (upper)
16	{ 70652590 70664866	1	-		BREATHER, fuel tank (Used prior to tractor #13324)
		1	-		BREATHER, fuel tank (Effective with tractor #13324)
17	70655416	1	-		GASKET, filler cap
18	70668252	-	1		CAP ASSY., fuel tank (Consists of items 19 thru 25)
19	-----	-	1		CAP only (Not serviced separately)
20	70668263	-	1		GASKET, cap
21	70668806 70926699	-	1		SEAT, relief valve
		-	4		SCREW, fil-hd., brass, #10-24NC x 3/8"
22	70668804	-	1		GASKET, valve seat
23	70668805	-	1		VALVE ASSY., relief (Serviced only as a unit)
24	70664867	-	1		ELEMENT, air filter
25	70668262 70921181	-	1		COVER, tank cap
		-	2		SCREW ASSY., #10-24NC x 1/2" (Includes lockwasher)
26	70053100	1	1		GAUGE, fuel level
27	70654840	1	1		RING, snap, fuel strainer
28	70650509	1	1		STRAINER, fuel
29	70656227	1	1		GASKET, bottom cover
30	70656217 70919224 70904206	1	-		COVER, bottom (Tractors prior to #13664)
		6	-		CAPSCREW, 3/8"NC x 1-1/8"
		6	-		LOCKWASHER, 3/8"
31	70662132 70916271 70910948 70904206	1	1		COVER, bottom (Tractors #13664 and up)
		4	4		CAPSCREW, 3/8"NC x 1"
		2	2		CAPSCREW, 3/8"NC x 2"
		6	6		LOCKWASHER, 3/8"
32	70633519 70901723	1	1		COCK, drain
		1	-		ELBOW, street, 90°, 3/8"NPT (Tractors prior to #13664)

NOTE: See PAINTING AND MARKING for transfers



FUEL LINES (First type)

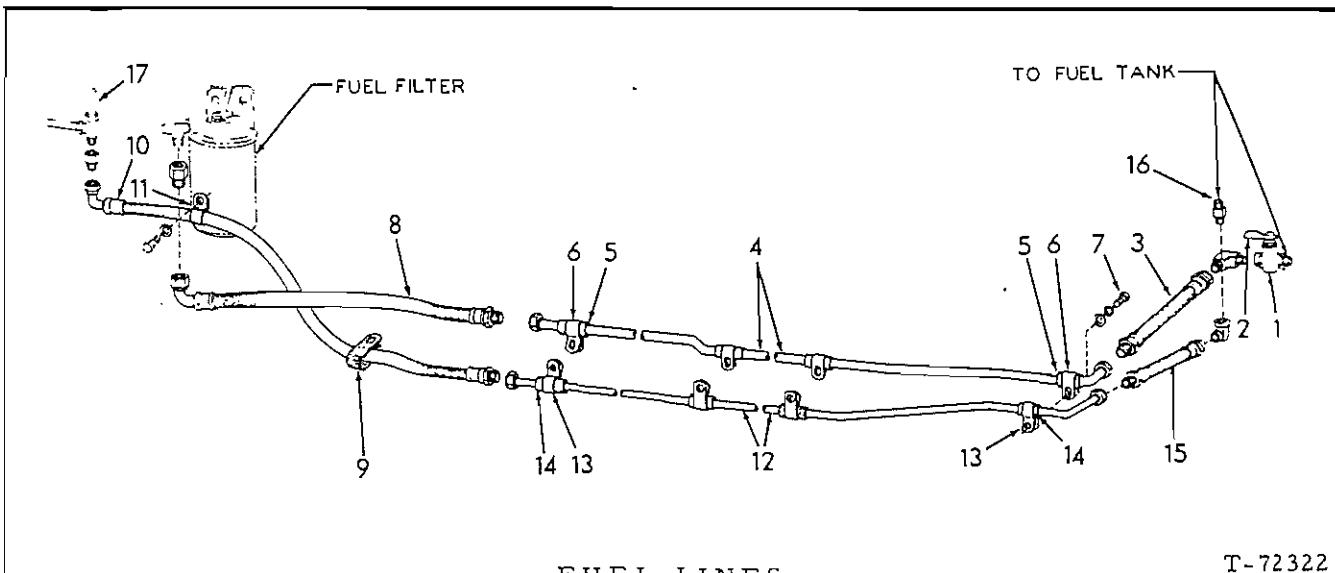
T-41849

## F U E L L I N E S

USAGE: Tractors prior to serial No. 12201

\* Tractors prior to serial No. 10452  
 \*\* Tractors serial No. 10452 thru 12200

ITEM	PART NO.	Q.TY.	*	**	DESCRIPTION
1	70092727	1	1		COCK, fuel shut-off (Includes item 2)
	70915389	1	1		ELBOW, street, brass, 90°, 3/8"NPT
	70904271	1	1		BUSHING, pipe reducing, 1/2"NPT to 3/8"NPT
2	70082189	1	1		HANDLE, fuel shut-off cock
3	70637871	1	-		HOSE, fuel supply line, rear (See page 6)
	70648388	-	1		HOSE, fuel supply line, rear (See page 6)
	70919063	1	1		CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
4	70637868	1	-		TUBE ASSEMBLY, fuel supply line (Includes nuts)
	70919066	1	-		UNION, flare type, 1/2" tube
	70645464	-	1		TUBE ASSEMBLY, fuel supply line (Includes nuts)
5	70093752	4	3		BOOT, protecting, supply tube (rubber)
6	70097534	4	3		CLIP, supporting, supply tube
7	70035244	1	1		CAPSCREW, 3/8"NC x 3/4"
	70904206	1	1		LOCKWASHER, 3/8"
8	70637890	1	1		HOSE, fuel supply line, front (See page 6)
	70919063	1	1		CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
9	70643932	1	1		CLIP, supporting, fuel supply hose
10	70637872	1	1		HOSE, fuel return line, front (See page 6)
	70919062	1	1		CONNECTOR, flare type, 3/8" tube, 1/4"NPT male
11	70637869	1	-		TUBE ASSEMBLY, fuel return line (Includes nuts)
	70919065	1	-		UNION, flare type, 3/8" tube
	70645463	-	1		TUBE ASSEMBLY, fuel return line (Includes nuts)
12	70093751	4	4		BOOT, protecting, return tube (rubber)
13	70055234	4	4		CLIP, supporting, return tube
14	70035167	1	1		CAPSCREW, 3/8"NF x 7/8"
15	70036032	1	1		CAPSCREW, 3/8"NF x 3/4"
	70904206	2	2		LOCKWASHER, 3/8"
	70911041	1	1		NUT, 3/8"NF
16	70637873	1	-		HOSE, fuel return line, rear (See page 6)
	70645462	-	1		HOSE, fuel return line (See page 6)(Used prior to tractor #10889)
	70919062	1	1		CONNECTOR, flare type, 3/8" tube, 1/4"NPT male
	70648230	-	1		HOSE, fuel return line, rear (See page 6)(Effective with tractor #10889)
	70921852	-	1		ELBOW, flare type, 90°, 3/8" tube, 1/4"NPT female
17	70914378	-	1		VALVE, shut-off, fuel return line (1/4"NPT ends)(Effective with tractor #10889)
18	70649227	1	1		PLATE, fuel line supporting
	70910244	4	4		WASHER, plain, SAE std., 1/2"
19	70644531	1	1		BLOCK, hose supporting (rubber)
20	70644529	1	1		CLAMP, hose supporting block
21	70035439	1	1		CAPSCREW, 3/8"NC x 1"
	70904206	1	1		LOCKWASHER, 3/8"
22	70641562	1	1		STRAP, hose supporting block



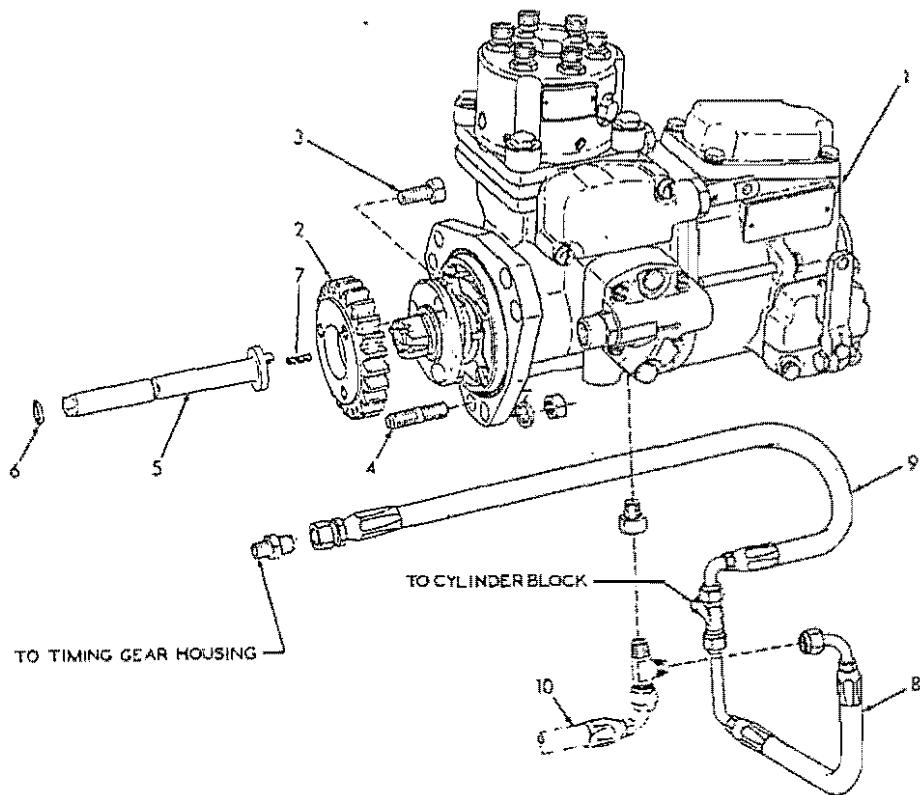
T-72322

USAGE: Tractors serial No. 12201 and up

ITEM PART NO. QTY. DESCRIPTION

1	70092727	1	COCK, fuel shut-off (Includes item 2)
2	70082189	1	HANDLE, fuel shut-off cock
3	70650967	1	HOSE, fuel supply line, rear (See HOSE PARTS)(Not used when special Heavy-duty Fuel Filter is installed)
	70919206	1	ELBOW, flare type, 90°, 1/2" tube, 3/8"NPT male
4	70650884	1	TUBE ASSEMBLY, fuel supply line (Includes nuts)
5	70093752	4	BOOT, protecting supply tube (rubber)
6	70097534	4	CLIP, supporting, supply tube
7	70915408	1	CAPSCREW, 3/8"NC x 3/4"
	70904206	1	LOCKWASHER, 3/8"
	70911115	1	WASHER, plain, SAE std., 3/8"
8	70657235	1	HOSE, fuel supply line, front (See HOSE PARTS)
	70919788	1	CONNECTOR, flare type, 1/2" tube, 3/8"NPT female
9	70643941	1	CLIP, hose supporting
10	70650765	1	HOSE, fuel return line, front (See HOSE PARTS)
	70924649	1	CONNECTOR, flare type, 3/8" tube, 1/8"NPT female
11	70637741	1	CLIP, fuel return hose
	70901165	1	WASHER, plain, U.S.S. std., 5/16"
12	70650883	1	TUBE ASSEMBLY, fuel return line (Includes nuts)
13	70055234	4	CLIP, supporting, return tube
14	70093751	4	BOOT, protecting, return tube (rubber)
15	70648230	1	HOSE, fuel return line, rear (See HOSE PARTS)
	70921852	1	ELBOW, flare type, 90°, 3/8" tube, 1/4"NPT female
16	70914378	1	VALVE, shut-off, fuel return line (1/4"NPT ends)
17	-----	-	See INJECTION FUEL RETURN LINES

(Revised May 1979)



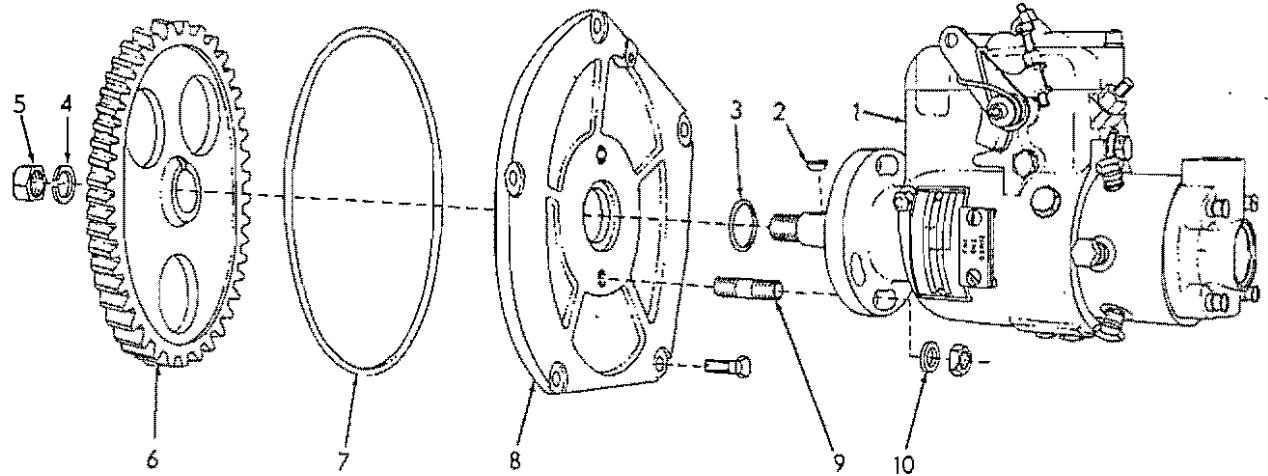
INJECTION PUMP ("Bosch")

T-24203

USAGE: Tractors prior to serial No. 12201

ITEM PART NO. QTY. DESCRIPTION

1	74354214	1	PUMP ASSEMBLY (Consult FIAT-ALLIS dealer for pump service)
2	74347834	1	GEAR, pump coupling
3	70916381	3	CAPSCREW, 3/8"NF x 3/4"
4	74337224	3	STUD, pump attaching (3/8" diam.)
	70904206	3	LOCKWASHER, 3/8"
	70910123	3	NUT, 3/8"NF
5	74335444	1	SHAFT, timing
6	70923663	1	O-RING, timing shaft
7	74346704	1	SPRING, timing shaft
8	74335931	1	HOSE ASSEMBLY, cylinder block to injection pump (See HOSE PARTS)
	70919773	1	TEE, flare type, 1/4" tube, 1/8"NPT male side
	70917032	1	ADAPTER, extension, 1/8"NPT male and female
	70919345	1	TEE, flare type, 1/4" tube, 1/8"NPT male end
9	74376906	1	HOSE ASSEMBLY, cylinder block to gear housing (See HOSE PARTS)
	70919171	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
10	-----	1	HOSE ASSEMBLY (See STEERING PUMP DRIVE)



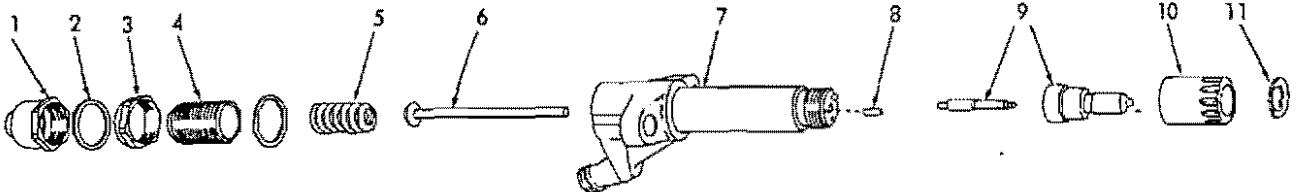
T-71999

**INJECTION PUMP ("Roosa")**

**USAGE:** Tractors serial No. 12201 and up

**ITEM PART NO. QTY. DESCRIPTION**

1	74354377	1	PUMP ASSY., injection (Includes items 2 thru 5) (Consult FIAT-ALLIS dealer for pump service) (Engines prior to #11-17106)
2	74320738	1	PUMP ASSY., injection (Engine #11-17106 and up)
2	70910224	1	KEY, #6 woodruff, 5/32" x 5/8"
3	74048596	1	SEAL, pump mounting
4	74048598	1	LOCKWASHER, gear retaining
5	74048597	1	NUT, gear retaining
6	74339851	1	GEAR, pump drive
7	70924139	1	<input type="checkbox"/> O-RING, pump mounting cover
8	74354954	1	COVER, pump mounting
	70920473	5	CAPSCREW, Nylok, 3/8"NC x 3/4"
9	74344938	2	STUD, pump attaching
	70910123	2	NUT, 3/8"NF
10	74371718	2	WASHER, serrated

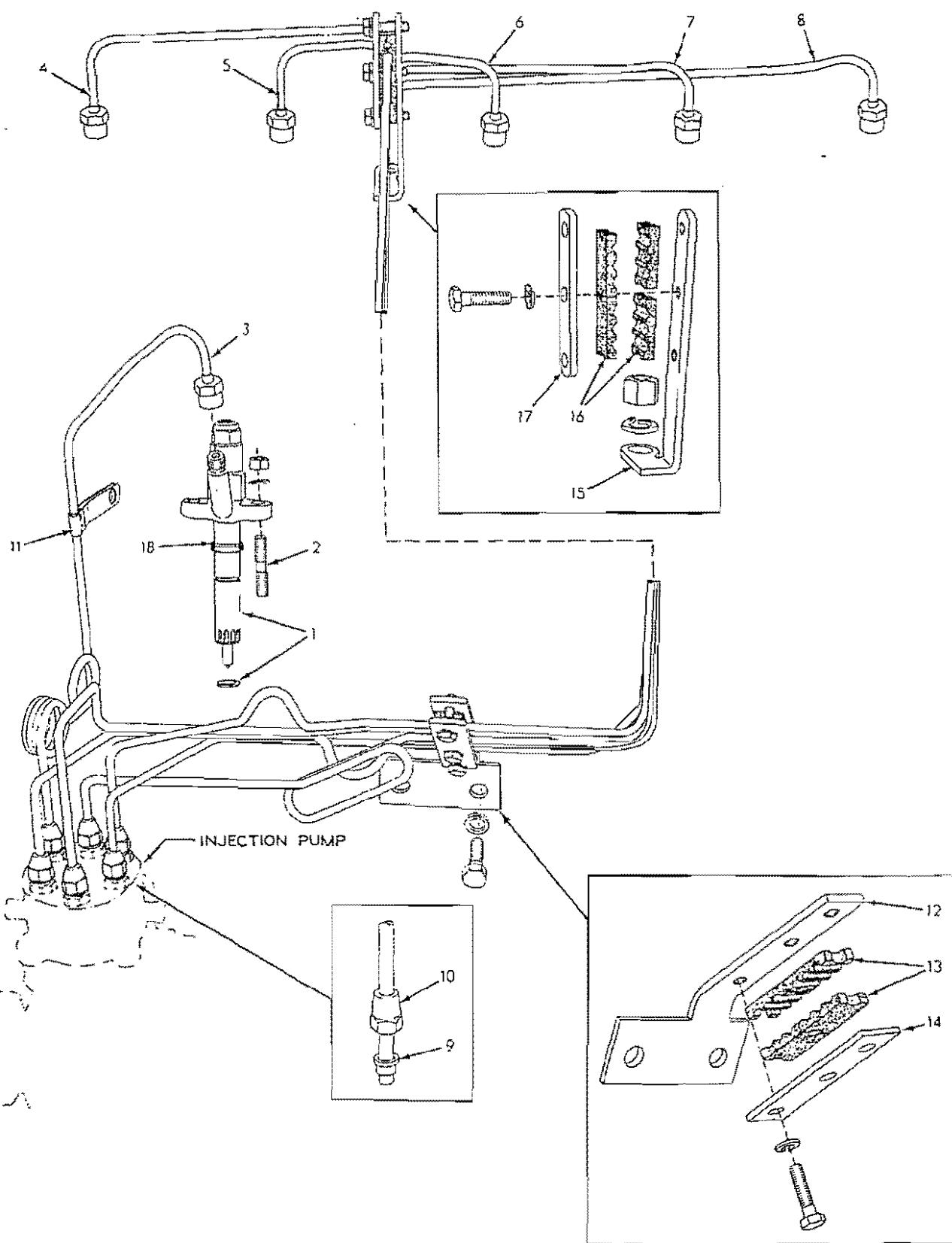


T-33500

INJECTION NOZZLE PARTS

\* HOLDER ASSY. 74354783 (See page 65)  
\*\* HOLDER ASSY. 74354785 (See page 67)

ITEM	PART NO.	QTY. *    **	DESCRIPTION
<u>NOTE:</u> Quantities indicated are for one (1) Holder Assembly only.			
1	74021227	1    1	CAP
2	74511243	2    2	GASKET, cap nut
3	74511213	1    1	NUT, locking
4	74378033	1    1	SCREW, adjusting
5	74380652	1    1	SPRING
6	74380656	1    1	SPINDLE
7	-----	1    1	BODY (Not serviced separately)
8	70922943	2    2	PIN, nozzle locating
9	74380651	1    -	NOZZLE ASSEMBLY (Includes item 11)
	74338803	-    1	NOZZLE ASSEMBLY (Includes item 11)
10	74380662	1    1	NUT, nozzle retaining
11	74378031	1    1	O GASKET, nozzle holder



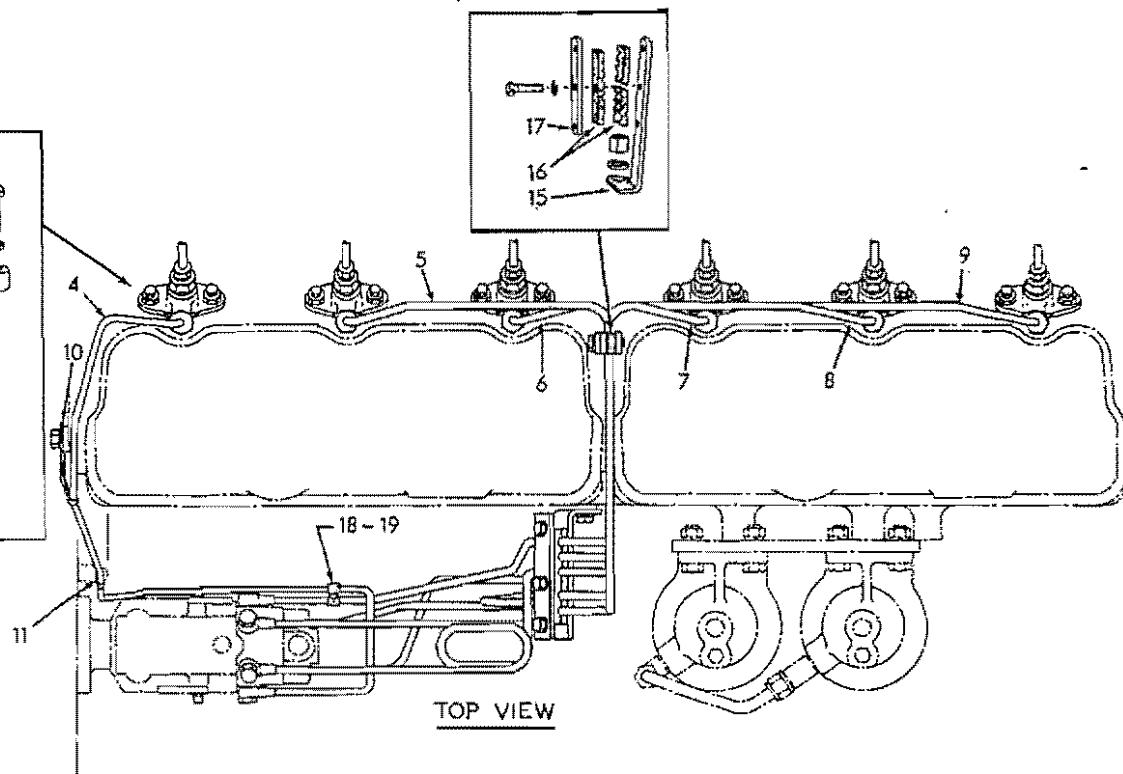
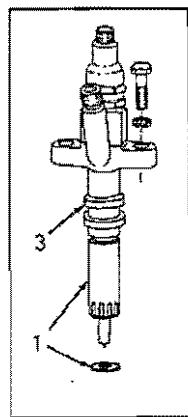
INJECTION NOZZLES AND LINES (First type)

T-24204

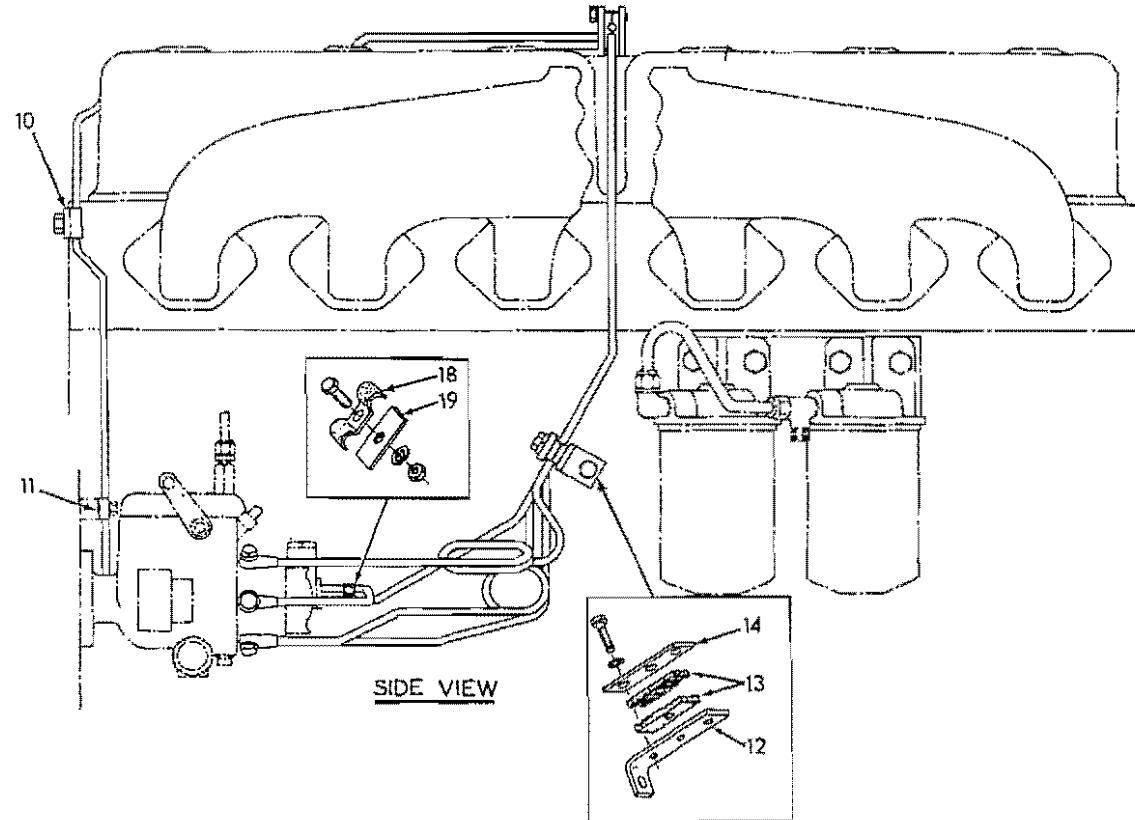
## INJECTION NOZZLES AND LINES

USAGE: Tractors prior to serial No. 12201

ITEM	PART NO.	QTY.	DESCRIPTION
1	74354783	6	HOLDER ASSEMBLY, injection nozzle (See page 63 for parts)
2	----- 70910123 70904206	12	STUD, injection nozzle holder (Order CAPSCREW 70903632) NUT, 3/8"NF LOCKWASHER, 3/8"
3	74338428	1	TUBE ASSEMBLY, fuel injection (#1 cylinder)
4	74338429	1	TUBE ASSEMBLY, fuel injection (#2 cylinder)
5	74338430	1	TUBE ASSEMBLY, fuel injection (#3 cylinder)
6	74338431	1	TUBE ASSEMBLY, fuel injection (#4 cylinder)
7	74338432	1	TUBE ASSEMBLY, fuel injection (#5 cylinder)
8	74338433	1	TUBE ASSEMBLY, fuel injection (#6 cylinder)
			<u>NOTE:</u> Each Tube Assembly listed above includes Nut and Sleeve for the upper end
9	74501149	6	SLEEVE, injection tube, lower end
10	74504409	6	NUT, injection tube, lower end
11	74255988	1	CLIP, fuel injection tube (#1 cylinder)
12	74336530 70916271 70904206	1 2 2	BRACKET, tube supporting, lower CAPSCREW, 3/8"NC x 1" LOCKWASHER, 3/8"
13	74336532	2	SPACER, injection tubes, lower
14	74336531 70914392 70904205	1 3 3	PLATE, clamping, injection tubes, lower CAPSCREW, 5/16"NC x 1" LOCKWASHER, 5/16"
15	74336249 70910195 70904208	1 1 1	BRACKET, tube supporting, upper NUT, 1/2"NF LOCKWASHER, 1/2"
16	74507359	4	SPACER, injection tubes, upper
17	74336250 70914670 70904205	1 3 3	CLAMP, injection tubes, upper CAPSCREW, 5/16"NC x 1-1/8" LOCKWASHER, 5/16"
18	74025385	12	SHIELD, dirt



TOP VIEW

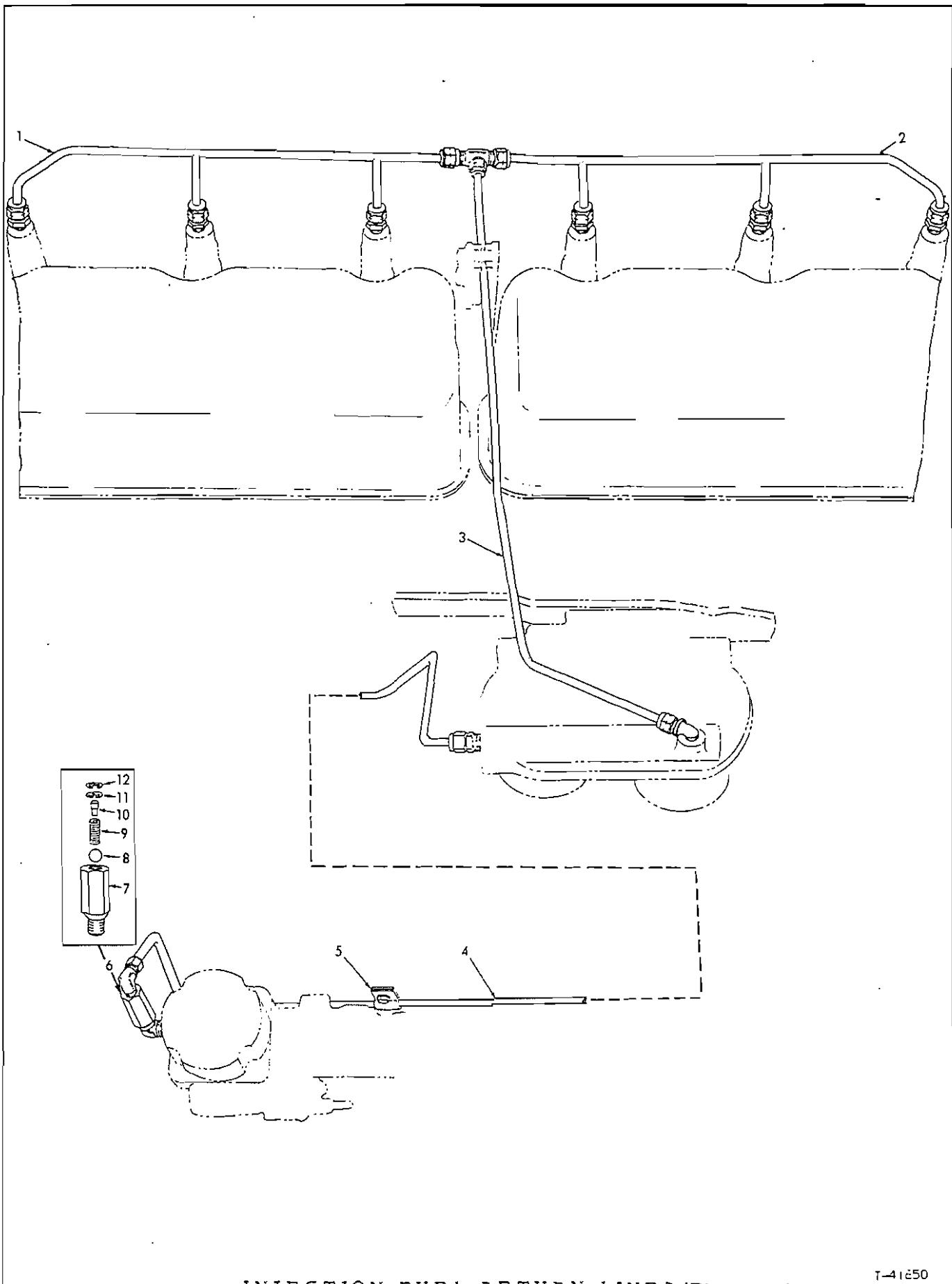


SIDE VIEW

## INJECTION NOZZLES AND LINES

USAGE: Tractors serial No. 12201 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	74354785	6	HOLDER ASSEMBLY, injection nozzles (See page 63 for parts)
2	{ 70910123 70904206 70914847 70904206	12 12 12 12	STUD, injection nozzle holder (Engines prior to #11-12978. Order CAPSCREW 70903632) NUT, 3/8"NF LOCKWASHER, 3/8" CAPSCREW, 3/8"NC x 1-1/2"(Engines #11-12978 and up) LOCKWASHER, 3/8"
3	74025385	12	SHIELD, dirt
4	74357434	1	TUBE, fuel injection (#1 cylinder)
5	74339559	1	TUBE, fuel injection (#2 cylinder)
6	74339560	1	TUBE, fuel injection (#3 cylinder)
7	74339561	1	TUBE, fuel injection (#4 cylinder)
8	74339562	1	TUBE, fuel injection (#5 cylinder)
9	74339563	1	TUBE, fuel injection (#6 cylinder)
10	74339207	1	CLIP, injection tube (#1 cylinder)
11	74354831 70916284 70904204	1 1 1	CLIP, injection tube (#1 cylinder) CAPSCREW, 1/4"NC x 1/2" LOCKWASHER, 1/4"
12	74339712 70915809 70904205	1 1 1	BRACKET, tube supporting, lower CAPSCREW, 5/16"NC x 3/4" LOCKWASHER, 5/16"
13	74336532	2	SPACER, injection tubes, lower
14	74336531 70914670 70904205	1 3 3	PLATE, clamping, injection tubes, lower CAPSCREW, 5/16"NC x 1-1/8" LOCKWASHER, 5/16"
15	74336249 70910195 70904208	1 1 1	BRACKET, tube supporting, upper NUT, 1/2"NF LOCKWASHER, 1/2"
16	74507359	4	SPACER, injection tubes, upper
17	74336250 70914670 70904205	1 3 3	CLAMP, injection tubes, upper CAPSCREW, 5/16"NC x 1-1/8" LOCKWASHER, 5/16"
18	74513552 70916278 70904205 70910323	1 1 1 1	CLAMP, injection tubes CAPSCREW, 5/16"NC x 1/2" LOCKWASHER, 5/16" NUT, 5/16"NC
19	74359106	1	PLATE, injection tube clamp



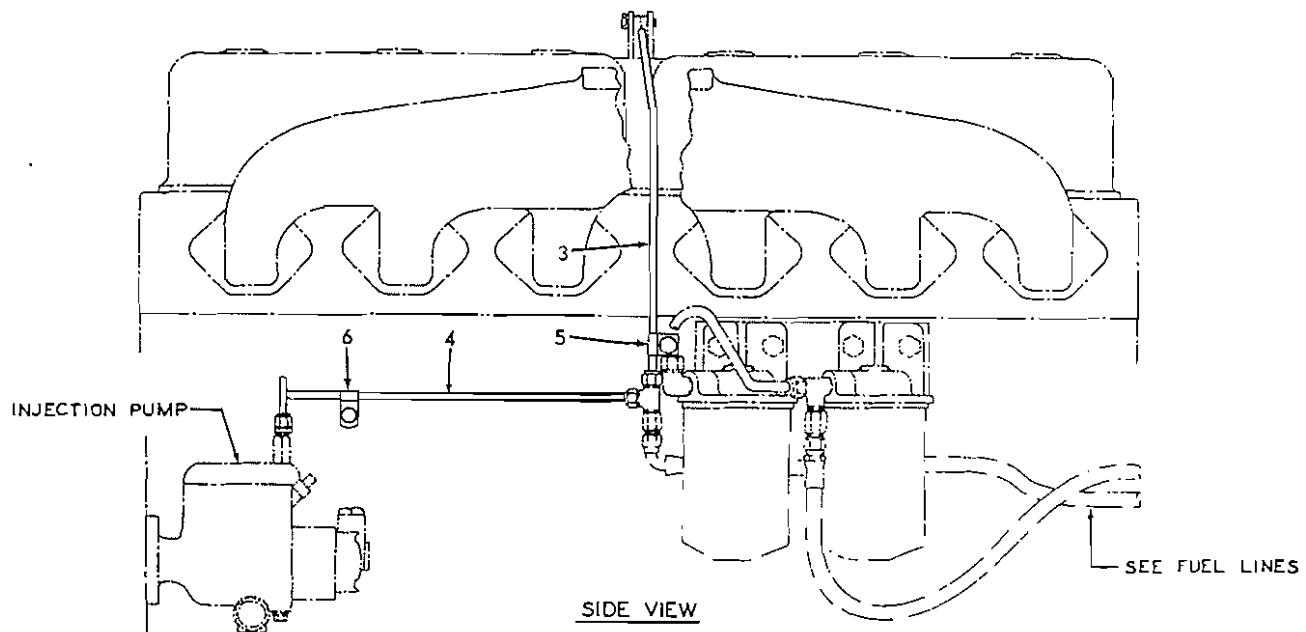
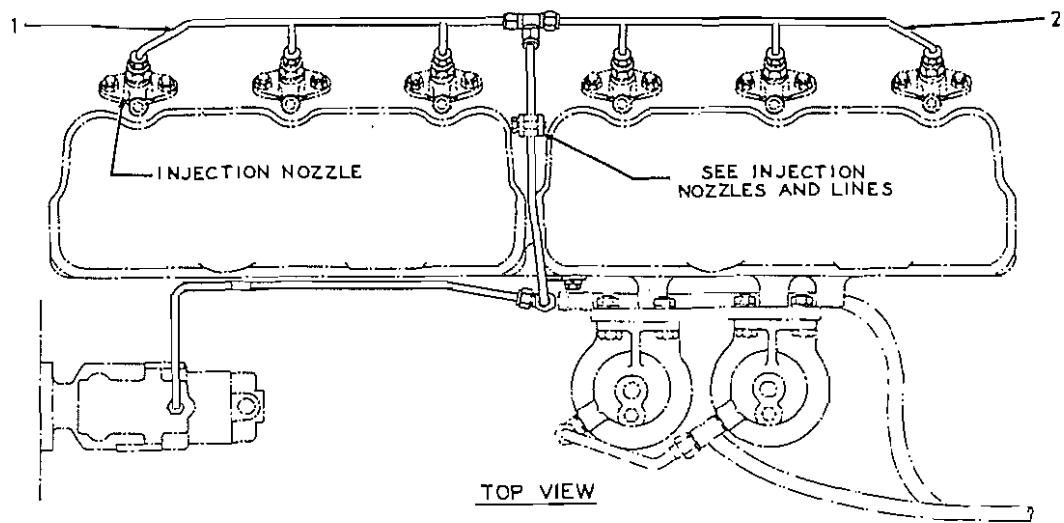
INJECTION FUEL RETURN LINES (First type)

T-41650

INJECTION FUEL RETURN LINES

USAGE: Tractors prior to serial No. 12201

ITEM	PART NO.	QTY.	DESCRIPTION
1	74336546	1	MANIFOLD ASSEMBLY, front (Includes NUTS and SLEEVES indented below)
	70917809	4	NUT, Imperial, 1/4" tube
	70917806	4	SLEEVE, Imperial, 1/4" tube
	70919800	3	CONNECTOR, Imperial, 1/4" tube, 1/8"NPT male
2	74336547	1	MANIFOLD ASSEMBLY, rear (Includes NUTS and SLEEVES indented below)
	70917809	4	NUT, Imperial, 1/4" tube
	70917806	4	SLEEVE, Imperial, 1/4" tube
	70919800	3	CONNECTOR, Imperial, 1/4" tube, 1/8"NPT male
3	74339113	1	TUBE ASSEMBLY, manifolds to filter (Includes NUTS and SLEEVES indented below)
	70917809	2	NUT, Imperial, 1/4" tube
	70917806	2	SLEEVE, Imperial, 1/4" tube
	70919797	1	TEE, union, Imperial, 1/4" tube
	70919481	1	ELBOW, Imperial, 1/4" tube, 1/4"NPT male
4	74339112	1	TUBE ASSEMBLY, pump to filter (Includes NUTS and SLEEVES indented below)
	70917809	2	NUT, Imperial, 1/4" tube
	70917806	2	SLEEVE, Imperial, 1/4" tube
	70919481	1	ELBOW, Imperial, 1/4" tube, 1/4"NPT male
	70920242	1	CONNECTOR, Imperial, 1/4" tube, 1/8"NPT male
5	74253435	1	CLIP, tube supporting
	70916277	1	CAPSCREW, 5/16"NC x 5/8"
	70904205	1	LOCKWASHER, 5/16"
6	74337015	1	VALVE ASSEMBLY, pressure relief (Consists of items 7 thru 12)
	70914588	1	ELBOW, street, brass, 90°, 1/4"NPT
7	-----	1	BODY, relief valve (Not serviced separately)
8	74337022	1	BALL, relief valve
9	74337023	1	SPRING, relief valve
10	74337019	1	STOP, relief valve
11	74255017	1	E-RING, relief valve stop
12	74255020	1	RING, snap, relief valve



INJECTION FUEL RETURN LINES (Second type)

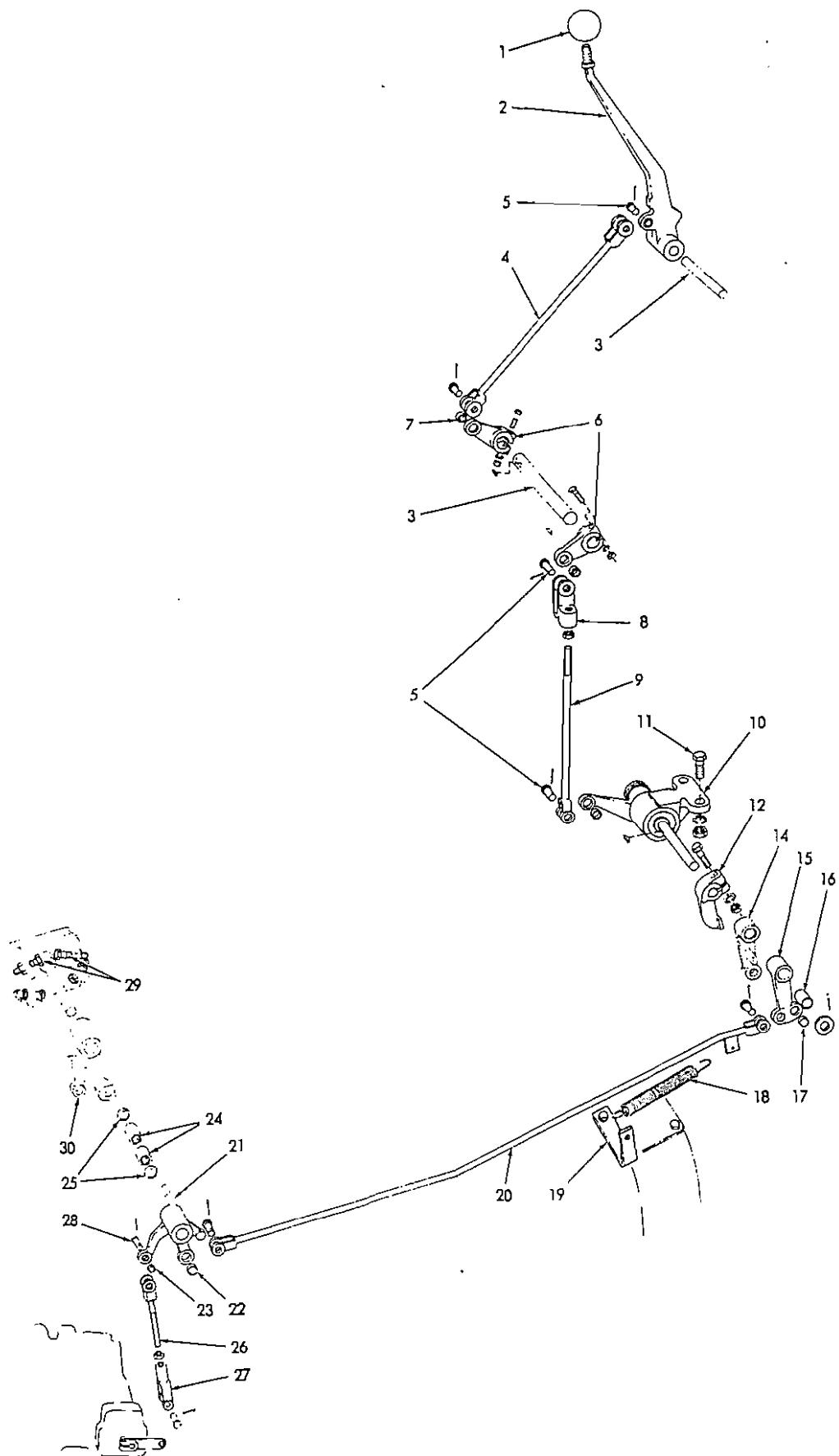
T-71997

# INJECTION FUEL RETURN LINES

USAGE: Tractors serial No. 12201 and up

## ITEM PART NO. QTY. DESCRIPTION

1	74336546	1	MANIFOLD ASSEMBLY, front (Includes NUTS and SLEEVES indented below)
	70917809	4	NUT, Imperial, 1/4" tube
	70917806	4	SLEEVE, Imperial, 1/4" tube
	70919800	3	CONNECTOR, Imperial, 1/4" tube, 1/8"NPT male (Used prior to engine #11-12871)
2	74336547	1	MANIFOLD ASSEMBLY, rear (Includes NUTS AND SLEEVES indented below)
	70917809	4	NUT, Imperial, 1/4" tube
	70917806	4	SLEEVE, Imperial, 1/4" tube
	70919800	3	CONNECTOR, Imperial, 1/4" tube, 1/8"NPT male (Used prior to engine #11-12871)
3	74339691	1	TUBE ASSEMBLY, manifold return (Includes NUTS AND SLEEVES indented below)
	70917809	2	NUT, Imperial, 1/4" tube
	70917806	2	SLEEVE, Imperial, 1/4" tube
	70919797	1	TEE, union, Imperial, 1/4" tube
	70920411	1	TEE, service, Imperial, 1/4" tube, 1/8"NPT male
4	74339689	1	TUBE ASSEMBLY, pump return (Includes NUTS and SLEEVES indented below)
	70917809	2	NUT, Imperial, 1/4" tube
	70917806	2	SLEEVE, Imperial, 1/4" tube
	70919800	1	CONNECTOR, Imperial, 1/4" tube, 1/8"NPT male
5	74339949	1	CLAMP, manifold return tube
	70916277	1	CAPSCREW, 5/16"NC x 5/8"
	70904205	1	LOCKWASHER, 5/16"
6	74253435	1	CLIP, pump return tube
	70916277	1	CAPSCREW, 5/16"NC x 5/8"
	70904205	1	LOCKWASHER, 5/16"



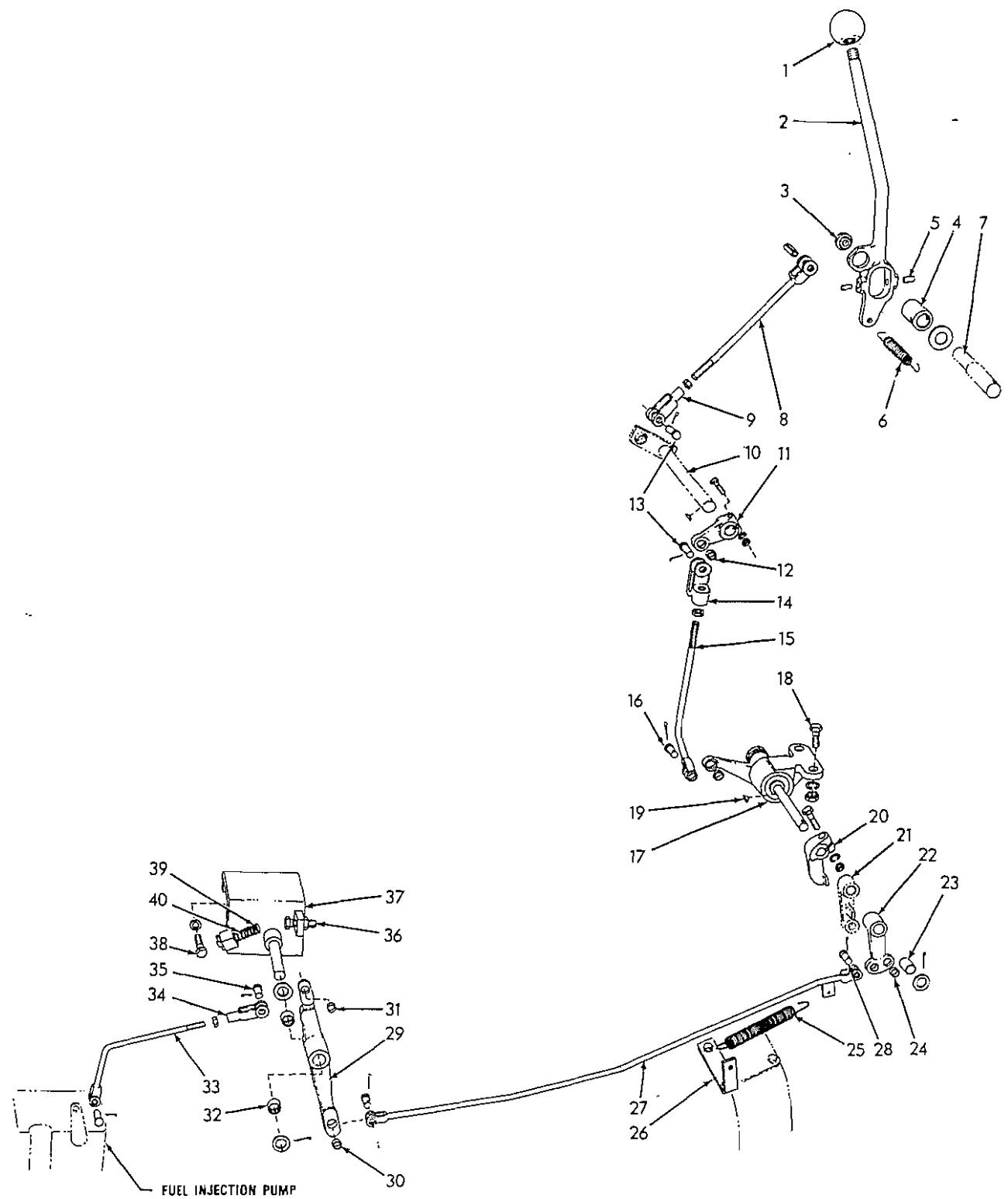
THROTTLE CONTROL (First type)

T-41886

### THROTTLE CONTROL

USAGE: Tractors prior to serial No. 12201

ITEM	PART NO.	QTY.	DESCRIPTION
1	70090020	1	KNOB, throttle lever
2	70631975	1	LEVER, throttle
3	-----	-	SHAFT, operating lever (See STEERING LEVERS AND LINKAGE)
4	70622004	1	ROD, upper
5	70078810 70900942	6	PIN, yoke, control rod PIN, cotter, 3/32" x 5/8"
6	70630836 70905123 70046419 70904206 70911041	2	LEVER ASSEMBLY, upper and intermediate rods (Includes item 7) KEY, #9 woodruff, 3/16" x 3/4" CAPSCREW, 3/8"NF x 2" LOCKWASHER, 3/8" NUT, 3/8"NF
7	70624584	2	BUSHING, lever, upper and intermediate rods
8	70634074	1	YOKE, intermediate upper rod
9	70631651 70911048	1	ROD, intermediate, upper NUT, jam, 3/8"NF
10	70634087 70910244 70900806	1	FRICITION ASSEMBLY (See page 77 for parts) WASHER, plain, SAE std., 1/2"
11	70614478 70904208 70911043	2	PIN, cotter, 1/8" x 1" CAPSCREW, 1/2"NF x 1-3/8" LOCKWASHER, 1/2" NUT 1/2"NF
12	70633123 70041981 70904205 70913636	1	LEVER, friction shaft CAPSCREW, 5/16"NF x 1-1/2" LOCKWASHER, 5/16" NUT, 5/16"NF
13	70632756	1	KEY, friction shaft lever
14	-----	-	LEVER ASSEMBLY (See ENGINE DECELERATOR)
15	70631496	1	LEVER ASSEMBLY, intermediate lower rod (Includes items 16 and 17)
16	70631476	1	BUSHING, intermediate lower rod lever (large)
17	70624584	2	BUSHING, intermediate lower rod lever (small)
18	70043881	1	SPRING, intermediate lower rod } Not used on units equip-
19	70634072 70034964 70904204	1	BRACKET, intermediate lower rod spring } ped with special GROUND CAPSCREW, 1/4"NC x 3/4" } SPEED GOVERNOR LOCKWASHER, 1/4" } Also attach timing hole cover
20	70644568	1	ROD, intermediate, lower
21	70644543	1	LEVER ASSEMBLY, lower rod (Includes items 22 and 23)
22	70624584	1	BUSHING, lower rod lever (large)
23	70624585	1	BUSHING, lower rod lever (small)
24	70043021	2	BEARING, needle, lower rod lever
25	70096921	2	SEAL, bearing
26	70634189 70910267	1	ROD, lower NUT, jam, 1/4"NF
27	70628737	1	YOKE, lower rod
28	70628738 70900970	2	PIN, lower rod PIN, cotter, 1/16" x 1/2"
29	70634650 70911034	2	CAPSCREW, lever stop (3/8"NC x 1-1/2") NUT, jam, 3/8"NC
30	-----	-	LEVER ASSEMBLY (See ENGINE SHUT-OFF CONTROL)



THROTTLE CONTROL (Second type)

T-72346

## THROTTLE CONTROL

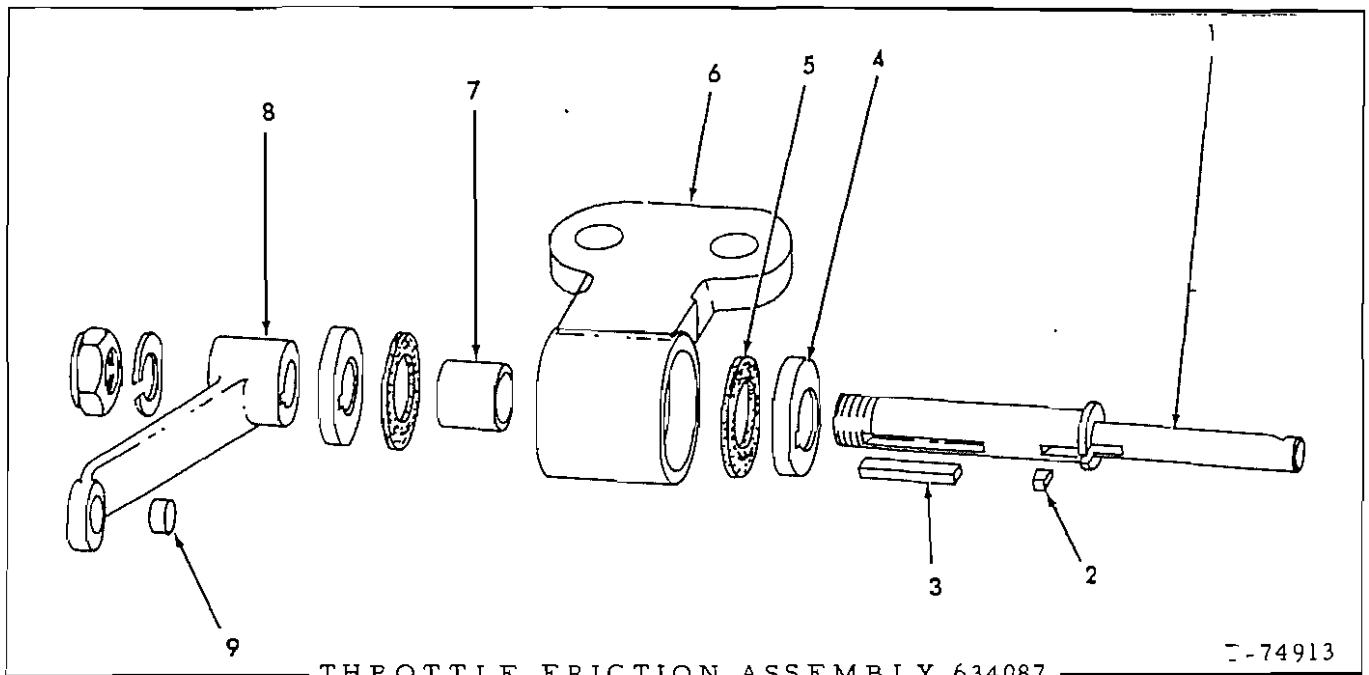
USAGE: Tractors serial No. 12201 thru 13366

ITEM	PART NO.	QTY.	DESCRIPTION
1	70659076	1	KNOB, throttle lever
2	70650767	1	LEVER ASSEMBLY, throttle (Includes item 3)
3	70650712	1	BEARING, throttle lever (spherical)
4	70650683 70913289	1	SLEEVE, throttle lever
		1	WASHER, plain, U.S. std., 9/16"
5	70650766	2	PIN, throttle lever
6	70650726	1	SPRING, throttle lever
7	-----	-	SHAFT, operating lever (See STEERING LEVERS AND LINKAGE)
8	70628189 70916986 70911048	1	ROD, upper
		1	PIN, spring, 3/8"
		1	NUT, jam, 3/8"NF
9	70628736	1	YOKES, upper rod
10	-----	-	LEVER, operating (See STEERING LEVERS AND LINKAGE)
11	70630836 70905123 70046419 70904206 70911041	1	LEVER ASSEMBLY, upper intermediate rod (Includes item 12)
		1	KEY, #9 woodruff, 3/16" x 3/4"
		1	CAPSCREW, 3/8"NF x 2"
		1	LOCKWASHER, 3/8"
		1	NUT, 3/8"NF
12	70624584	1	BUSHING, lever, upper intermediate rod
13	70078810 70900942	2	PIN, intermediate and upper rod yokes
		2	PIN, cotter, 3/32" x 5/8"
14	70634074	1	YOKES, intermediate upper rod
15	70657352 70911048	1	ROD, intermediate, upper
		1	NUT, jam, 3/8"NF
16	70078810 70900942	1	PIN, yoke, upper intermediate rod
		1	PIN, cotter, 3/32" x 5/8"
17	70634087 70910244 70900806	1	FRICTION ASSEMBLY (See page 77 for parts)
		1	WASHER, plain, SAE std., 1/2"
		1	PIN, cotter, 1/8" x 1"
18	70614478 70904208 70911043	2	CAPSCREW, 1/2"NF x 1-3/8"
		2	LOCKWASHER, 1/2"
		2	NUT, 1/2"NF
19	70632756	1	KEY, friction shaft lever
20	70633123 70041981 70904205 70913636	1	LEVER, friction shaft
		1	CAPSCREW, 5/16"NF x 1-1/2"
		1	LOCKWASHER, 5/16"
		1	NUT, 5/16"NF
21	-----	-	LEVER ASSEMBLY (See ENGINE DECELERATOR)

(Continued)

## THROTTLE CONTROL (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION	
22	70631496	1	LEVER ASSEMBLY, intermediate lower rod (Includes items 23 and 24)	
23	70631476	1	BUSHING, intermediate lower rod lever (large)	
24	70624584	2	BUSHING, intermediate lower rod lever (small)	
25	70043881	1	SPRING, intermediate lower rod	Not used on units equipped with special GROUND SPEED GOVERNOR
26	70634072	1	BRACKET, intermediate lower rod spring	
	70916285	2	CAPSCREW, 1/4"NC x 1"	
	70904204	2	LOCKWASHER, 1/4" } Also attach timing hole cover	
27	70650667	1	ROD, intermediate, lower	
28	70078810	2	PIN, yoke, lower intermediate rod	
	70900942	2	PIN, cotter, 3/32" x 5/8"	
29	70650740	1	LEVER ASSEMBLY, lower rod (Includes items 30 and 31)	
30	70624584	1	BUSHING, lower rod lever (large)	
31	70624585	1	BUSHING, lower rod lever (small)	
32	70655215	2	BEARING, needle, lower rod lever	
33	70650686	1	ROD, lower	
	70910267	1	NUT, jam, 1/4"NF	
34	70628737	1	YOKES, lower rod	
35	70628738	2	PIN, lower rod	
	70900970	2	PIN, cotter, 1/16" x 1/2"	
36	70634650	1	CAPSCREW, lever stop (3/8"NC x 1-1/2")	
	70911034	1	NUT, jam, 3/8"NC	
37	70651005	1	BRACKET, supporting, control linkage	
	70910244	2	WASHER, plain, SAE std., 1/2"	
	70900806	1	PIN, cotter, 1/8" x 1"	
38	70035439	2	CAPSCREW, 3/8"NC x 1"	
	70904206	2	LOCKWASHER 3/8"	
39	70651001	1	PIN, lever stop	
	70916202	1	PIN, spring, 1/8" x 7/8"	
	70630753	1	WASHER, plain	
40	70650999	1	SPRING, lever stop pin	



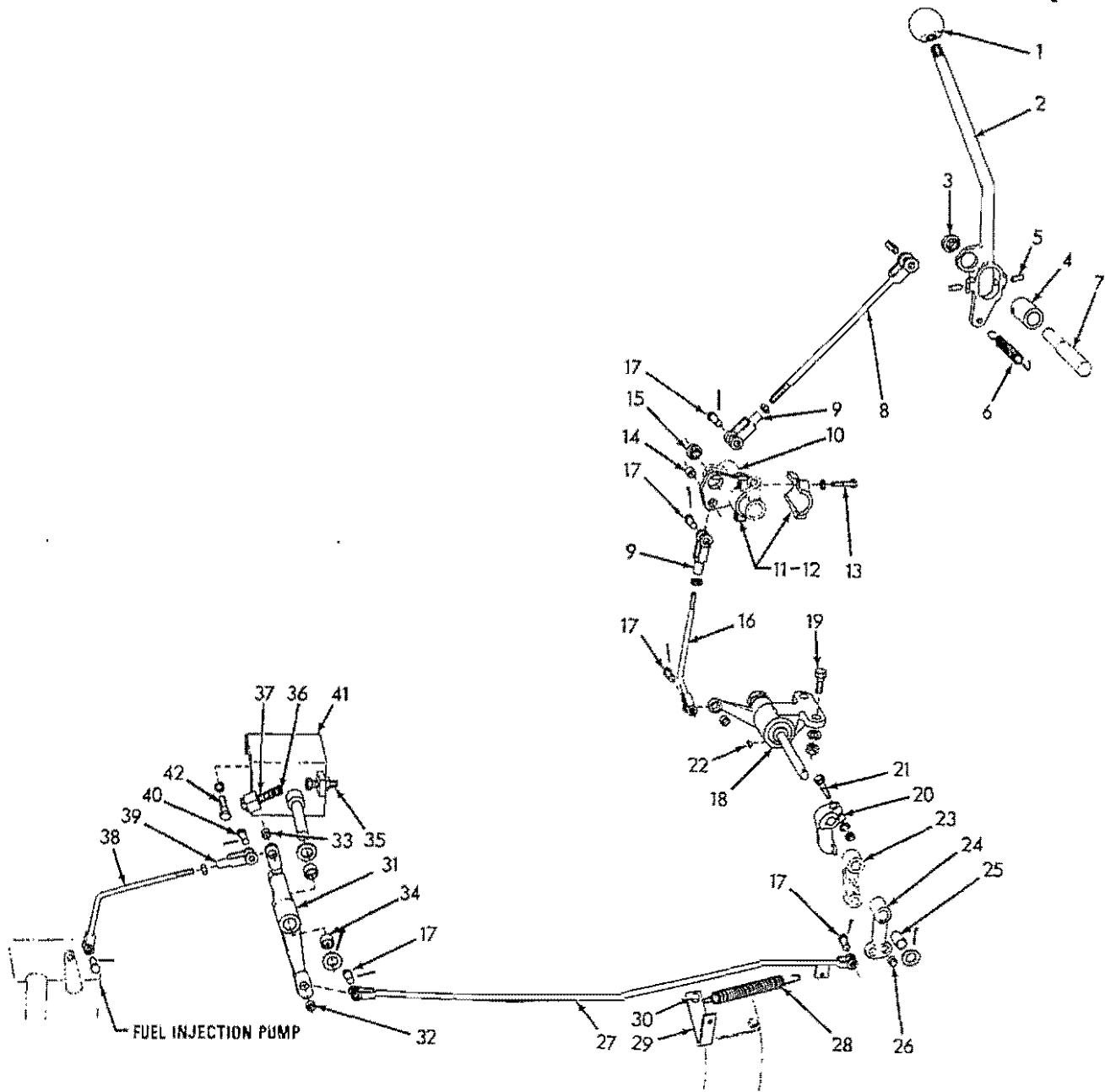
THROTTLE FRICTION ASSEMBLY 634087

-74913

USAGE: See pages 73, 75 and 79

ITEM PART NO. QTY. DESCRIPTION

1	70634088 70904369 70914452	1 1 1	SHAFT, throttle levers LOCKWASHER, 3/4" NUT, elastic stop, 3/4"
2	70632716	1	KEY, friction washer (short)
3	70916024	1	KEY, friction washer and lever (3/16" x 3/16" x 1-1/4")
4	70632710	2	WASHER, friction
5	70632747	2	DISC, friction
6	70632766	1	HOUSING ASSEMBLY, friction (Includes item 7)
7	70632752	1	BUSHING, friction housing
8	70633122	1	LEVER ASSEMBLY, friction (Includes item 9)
9	70624584	1	BUSHING, friction lever



T-74914

THROTTLE CONTROL (Third type)

## THROTTLE CONTROL

USAGE: Tractors serial No. 13367 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	70659076	1	KNOB, throttle lever
2	70657863	1	LEVER ASSEMBLY, throttle (Includes item 3)
3	70650712	1	BEARING, throttle lever (spherical)
4	70650683	1	SLEEVE, throttle lever
5	70650766	2	PIN, throttle lever
6	70650726	1	SPRING, throttle lever
7	-----	-	SHAFT, operating lever (See STEERING LEVERS AND LINKAGE)
8	70665589	1	ROD, upper
	70916986	1	PIN, spring, 3/8"
	70911048	1	NUT, jam, 3/8"NF
9	70628736	2	YOKES, upper rods
10	-----	-	LEVER, operating (See STEERING LEVERS AND LINKAGE)
11	70657861	1	BELLCRANK ASSEMBLY (Includes CAP and items 13 and 14)
12	-----	1	CAP, bellcrank (Not serviced separately)
13	70905658	2	CAPSCREW, 1/4"NC x 1-1/4"
	70904204	2	LOCKWASHER, 1/4"
14	70624584	1	BUSHING, bellcrank
15	70650712	1	BEARING, bellcrank (spherical)
16	70657862	1	ROD, intermediate, upper
	70911048	1	NUT, jam, 3/8"NF
17	70078810	5	PIN, yoke, control rods
	70900942	5	PIN, cotter, 3/32" x 5/8"
18	70634087	1	FRICTION ASSEMBLY (See page 77 for parts)
	70910244	1	WASHER, plain, SAE std., 1/2"
	70900806	1	PIN, cotter, 1/8" x 1"
19	70614478	2	CAPSCREW, 1/2"NF x 1-3/8"
	70904208	2	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF
20	70633123	1	LEVER, friction shaft
21	70041981	1	CAPSCREW, 5/16"NF x 1-1/2"
	70904205	1	LOCKWASHER, 5/16"
	70913636	1	NUT, 5/16"NF
22	70632756	1	KEY, friction shaft lever
23	-----	-	LEVER ASSEMBLY (See ENGINE DECELERATOR)
24	70631496	1	LEVER ASSEMBLY, intermediate lower rod (Includes items 25 and 26)
25	70631476	1	BUSHING, intermediate lower rod lever (large)

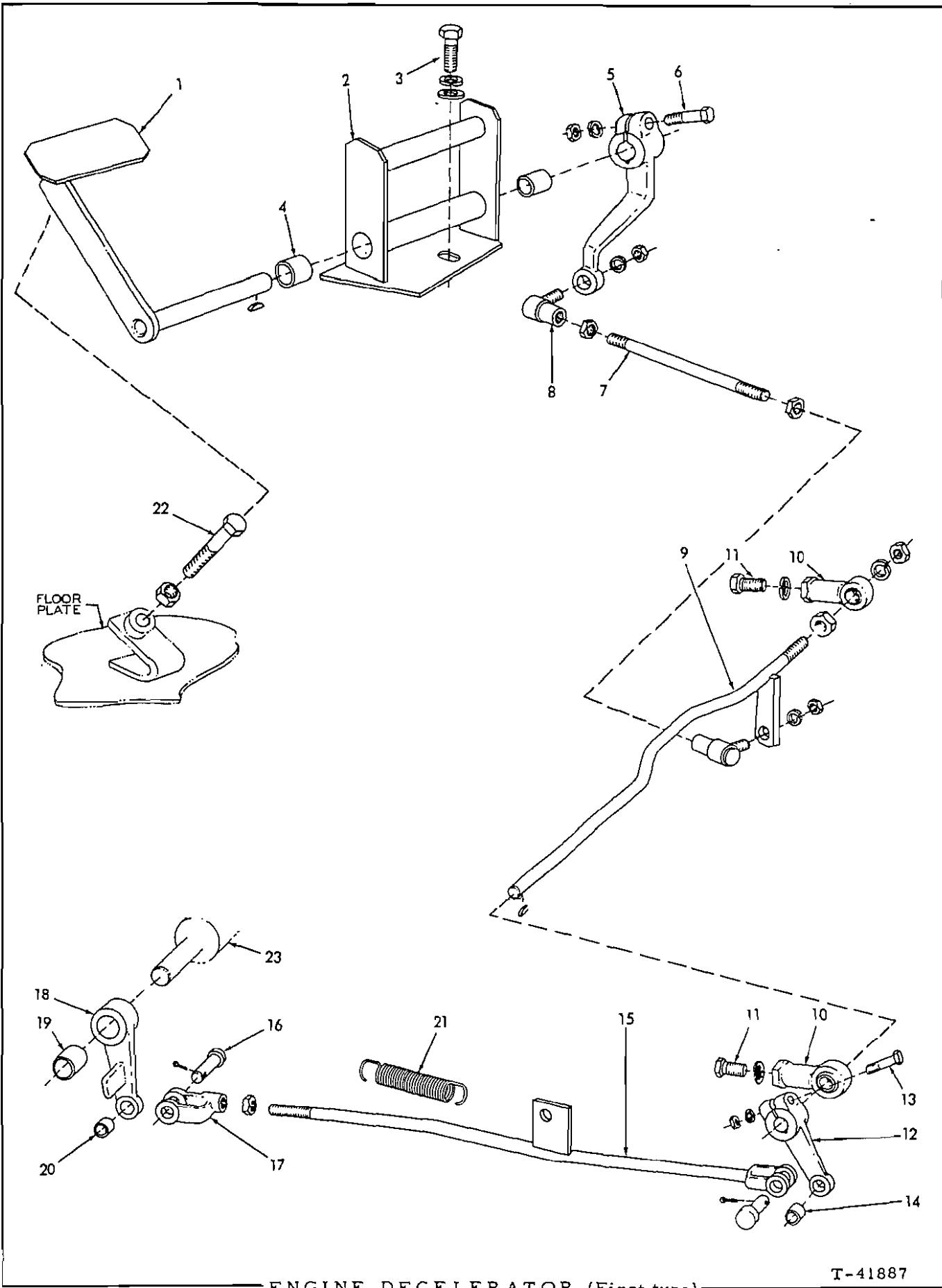
(Continued)

## THROTTLE CONTROL (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION	
26	70624584	2	BUSHING, intermediate lower rod lever (small)	
27	70659408	1	ROD, intermediate, lower	
28	70043881	1	SPRING, intermediate lower rod	
29	70634072	1	BRACKET, intermediate lower rod spring	
30	70034964	2	CAPSCREW, 1/4"NC x 3/4"	
	70904204	2	LOCKWASHER, 1/4"	Also attach timing hole cover
31	70650740	1	LEVER ASSEMBLY, lower rod (Includes items 32 and 33)	
32	70624584	1	BUSHING, lower rod lever (large)	
33	70624585	1	BUSHING, lower rod lever	
34	70655215	2	BEARING, needle, lower rod lever	
35	70634650	1	CAPSCREW, lever stop (3/8"NC x 1-1/2")	
	70911034	1	NUT, jam, 3/8"NC	
36	70651001	1	PIN, lever stop	
	70916202	1	PIN, spring, 1/8" x 7/8"	
	70630753	1	WASHER, plain	
37	70650999	1	SPRING, lever stop pin	
38	70650686	1	ROD, lower	
	70910267	1	NUT, jam, 1/4"NF	
39	70628737	1	YOKES, lower rod	
40	70628738	2	PIN, lower rod	
	70900970	2	PIN, cotter, 1/16" x 1/2"	
41	70651005	1	BRACKET, supporting, control linkage	
	70910244	2	WASHER, plain, SAE std., 1/2"	
	70900806	1	PIN, cotter, 1/8" x 1"	
42	70035439	2	CAPSCREW, 3/8"NC x 1"	
	70904206	2	LOCKWASHER, 3/8"	

Not used on units equipped with special GROUND SPEED GOVERNOR

M E M O



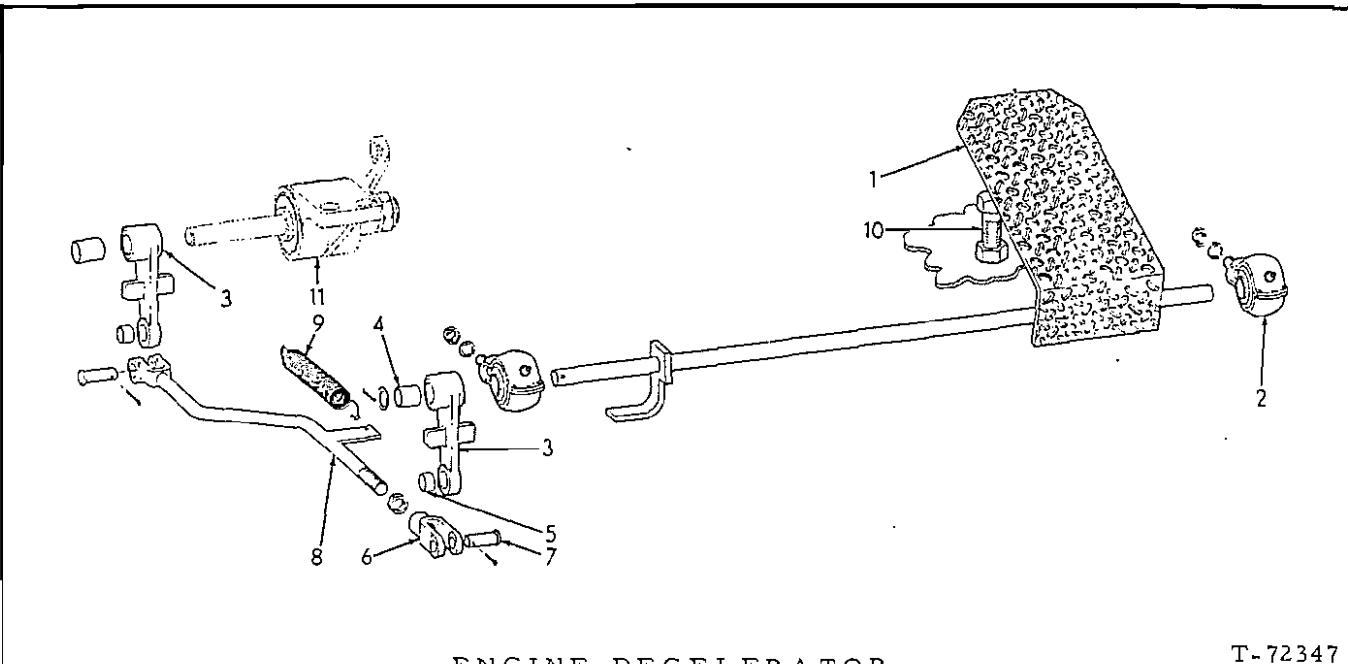
ENGINE DECELERATOR (First type)

T-41887

# ENGINE DECELERATOR

USAGE: Tractors prior to serial No. 12201

ITEM	PART NO.	QTY.	DESCRIPTION
1	70642177	1	PEDAL
2	70642765	1	BRACKET ASSEMBLY, pedal supporting (Includes item 4)
3	70070469	2	CAPSCREW, 1/2"NF x 1-1/4"
	70035061	1	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	3	LOCKWASHER, 1/2"
	70064531	3	WASHER, plain
4	70063222	2	BUSHING, bracket
5	70642125	1	LEVER, pedal
	70905119	1	KEY, #3 woodruff, 1/8" x 1/2"
6	70041981	1	CAPSCREW, 5/16"NF x 1-1/2"
	70904205	1	LOCKWASHER, 5/16"
	70913636	1	NUT, 5/16"NF
7	70642130	1	ROD, right
	70911048	2	NUT, jam, 3/8"NF
8	70642270	2	JOINT, ball, right rod
	70904206	2	LOCKWASHER, 3/8"
	70911048	2	NUT, 3/8"NF
9	70642269	1	SHAFT, pivot, lever
	70913830	1	NUT, jam, 1/2"NF
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
10	70638732	2	END, rod, shaft supporting
11	70035525	2	CAPSCREW, 1/2"NF x 1-1/8"
	70904208	2	LOCKWASHER, 1/2"
12	70642271	1	LEVER ASSEMBLY, pivot shaft (Includes item 14)
	70905119	1	KEY, #3 woodruff, 1/8" x 1/2"
13	70041981	1	CAPSCREW, 5/16"NF x 1-1/2"
	70904205	1	LOCKWASHER, 5/16"
	70913636	1	NUT, 5/16"NF
14	70624584	1	BUSHING, pivot shaft lever
15	70642262	1	ROD, left
	70911048	1	NUT, jam, 3/8"NF
16	70078810	2	PIN, yoke, left rod
	70900942	2	PIN, cotter, 3/32" x 5/8"
17	70634074	1	YOKE, left rod
18	70631498	1	LEVER ASSEMBLY, friction shaft (Includes items 19 and 20)
19	70631476	1	BUSHING, friction shaft lever (7/8"O. D.)
20	70624584	1	BUSHING, friction shaft lever (1/2"O. D.)
21	70072438	1	SPRING, retracting, left rod (For units equipped with special GROUND SPEED GOVERNOR only)
22	70057605	1	CAPSCREW, pedal stop (Early units)
	70913830	1	NUT, jam, 1/2"NF
22	70649274	1	CAPSCREW, pedal stop (Late units)
	70911035	1	NUT, jam, 1/2"NC
23	-----	-	FRICITION ASSEMBLY (See THROTTLE CONTROL)




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**ENGINE DECELERATOR**

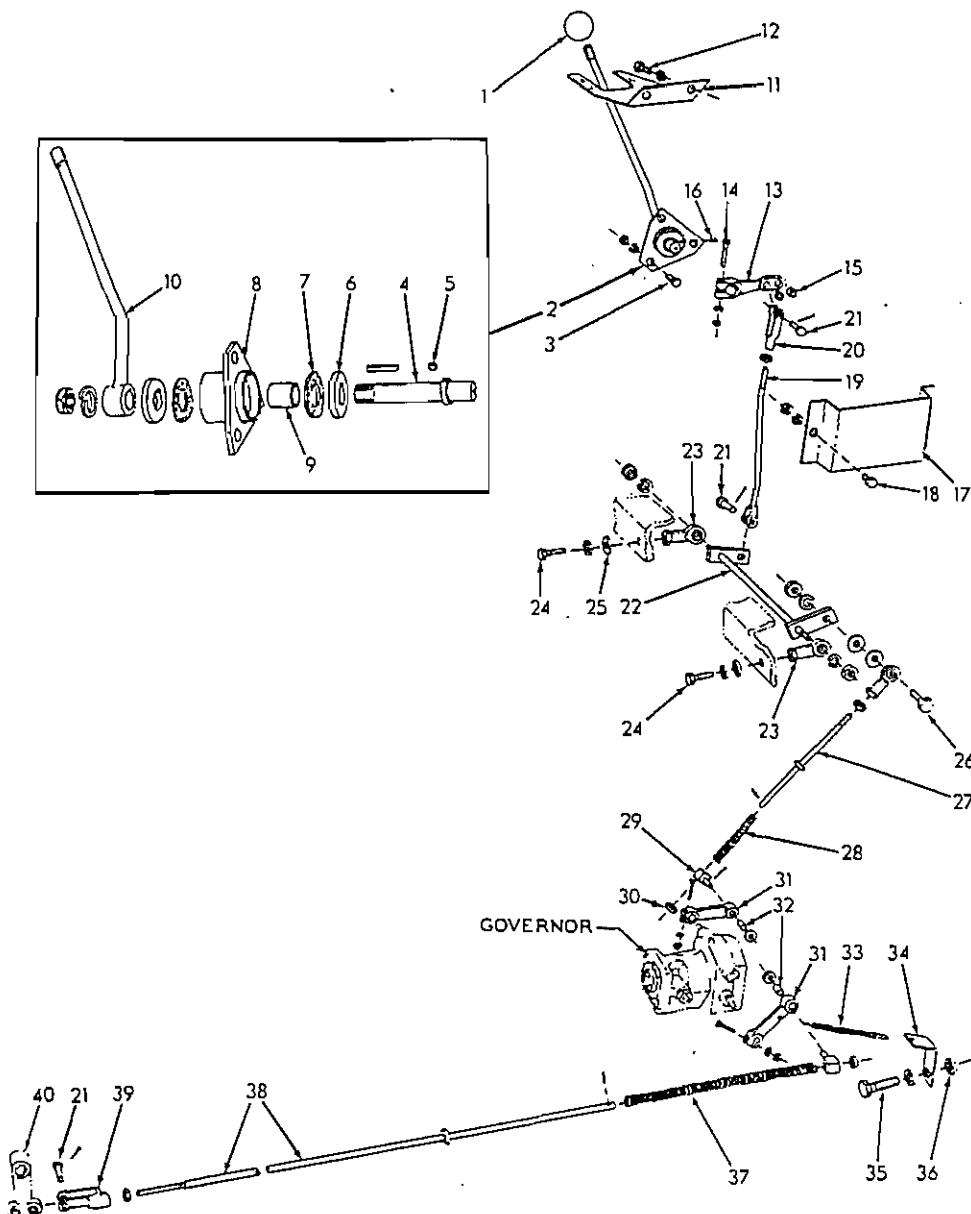
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T-72347

**USAGE:** Tractors serial No. 12201 and up

**ITEM PART NO. QTY. DESCRIPTION**

1	70650681 70910244 70900806	1 1 1	PEDAL WASHER, plain, SAE std., 1/2" PIN, cotter, 1/8" x 1"
2	70651002 70904205 70911025	2 2 2	BEARING, pedal (Includes FITTING) LOCKWASHER, 5/16" NUT, 5/16"NC
3	70631498	2	LEVER ASSEMBLY (Includes items 4 and 5)
4	70631476	2	BUSHING, lever (7/8" long )
5	70624584	2	BUSHING, lever (1/2" long )
6	70628736	1	YODE, lever rod
7	70078810 70900942	2 2	PIN, yoke, lever rod PIN, cotter, 3/32" x 5/8"
8	70650594 70911048	1 1	ROD, lever NUT, 3/8"NF
9	70072438	1	SPRING, retracting, lever rod (For units equipped with special GROUND SPEED GOVERNOR only)
10	70648477 70911035	1 1	CAPSCREW, pedal stop NUT, jam, 1/2"NC
11	-----	-	FRICTION ASSEMBLY (See THROTTLE CONTROL)



GOVERNOR CONTROL LINKAGE

T-41884

USAGE: Special equipment

ITEM PART NO. QTY. DESCRIPTION

1	70090020	1	KNOB, friction lever
2	70634542	1	FRICTION ASSEMBLY (Consists of items 4 thru 10)
3	70916269	3	CAPSCREW, 3/8"NC x 7/8"
	70904206	3	LOCKWASHER, 3/8"
	70911026	3	NUT, 3/8"NC
4	70632162	1	SHAFT, friction
	70915569	1	KEY, straight, 3/16" x 3/16" x 1-1/8"
	70904369	1	LOCKWASHER, 3/4"
	70914452	1	NUT, elastic stop, 3/4"NF

(Continued)

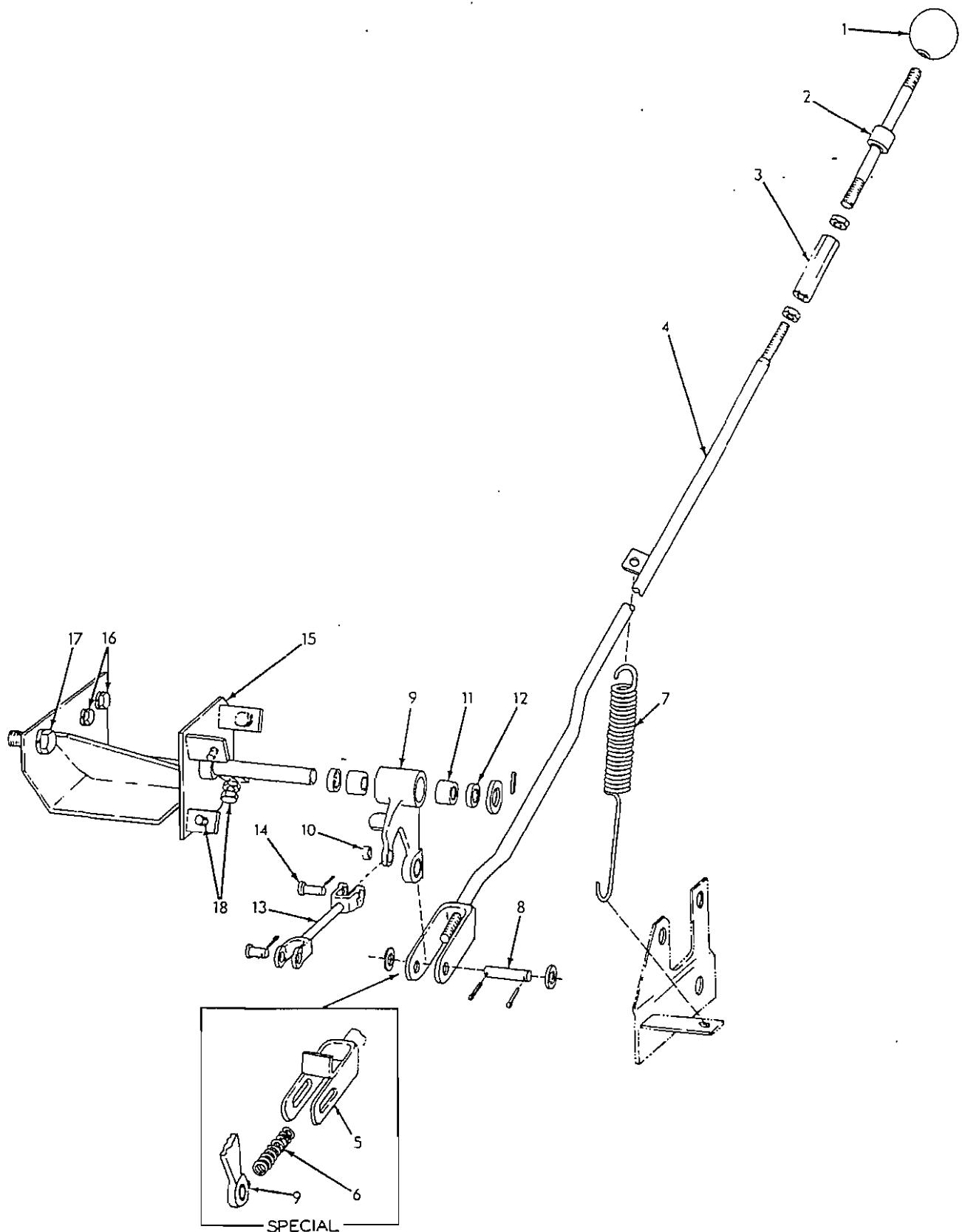
## GOVERNOR CONTROL LINKAGE (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
5	70632716	1	KEY, friction washer
6	70632710	2	WASHER, friction
7	70632747	2	DISC, friction
8	70632771	1	HOUSING ASSEMBLY, friction (Includes item 9)
9	70632752	1	BUSHING, friction housing
10	70634543	1	LEVER, friction
11	70634563	1	GUIDE, friction lever
12	70035979	2	CAPSCREW, 3/8"NF x 5/8" (Early units)
	70916268	2	CAPSCREW, 3/8"NC x 5/8" (Late units)
	70904206	2	LOCKWASHER, 3/8"
13	70640415	1	LEVER ASSEMBLY, upper rod (Includes item 15)
14	70916279	1	CAPSCREW, 5/16"NC x 1-1/2"
	70904205	1	LOCKWASHER, 5/16"
	70911025	1	NUT, 5/16"NC
15	70624584	2	BUSHING, upper rod lever
16	70632756	1	KEY, upper rod lever
17	70632175	1	SHIELD, protecting
18	70916268	2	CAPSCREW, 3/8"NC x 5/8"
	70904206	2	LOCKWASHER, 3/8"
	70911026	2	NUT, 3/8"NC
19	70634562	1	ROD, upper
	70911048	1	NUT, jam, 3/8"NF
20	70628736	1	YOKE, upper rod
21	70078810	3	PIN, control rod yoke
	70900942	3	PIN, cotter, 3/32" x 5/8"
22	70634492	1	SHAFT, cross
	70904206	2	LOCKWASHER, 3/8"
	70911048	2	NUT, jam, 3/8"NF
23	70617932	3	END, rod
24	70915228	2	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	2	LOCKWASHER, 3/8"
25	70044973	2	WASHER, plain
26	70914847	1	CAPSCREW, 3/8"NC x 1-1/2"
	70911115	2	WASHER, plain, SAE std., 3/8"
	70904206	1	LOCKWASHER, 3/8"
	70911026	1	NUT, 3/8"NC
27	70634534	1	ROD, intermediate
	70911048	1	NUT, jam, 3/8"NF
	70916168	1	PIN, roll, 1/8" x 3/4"
28	70070212	1	SPRING, intermediate rod
29	70628116	2	EYE, swivel, governor lever
	70911115	2	WASHER, plain, SAE std., 3/8"
	70900942	2	PIN, cotter, 3/32" x 5/8"

(Continued)

## GOVERNOR CONTROL LINKAGE (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
30	70081672	2	SPACER, control rod
31	70630331	2	LEVER ASSEMBLY, governor (Includes item 32)
	70918237	2	CAPSCREW, 1/4"NC x 1-1/4"
	70904204	2	LOCKWASHER, 1/4"
	70911024	2	NUT, 1/4"NC
32	70628138	2	BUSHING, governor lever
33	70621614	1	SPRING, retracting, governor lever
34	70631657	1	CLIP, spring retaining
35	70916028	1	CAPSCREW, 5/8"NF x 2"
	70904208	1	LOCKWASHER, 5/8"
36	70058614	1	WASHER, plain (For spacing)
37	70088491	1	SPRING, lower rod
38	70634060	1	ROD, lower
	70911048	1	NUT, jam, 3/8"NF
	70916168	1	PIN, roll, 1/8" x 3/4"
39	70634074	1	YOKES, lower rod
40	-----	1	LEVER (See THROTTLE CONTROL)



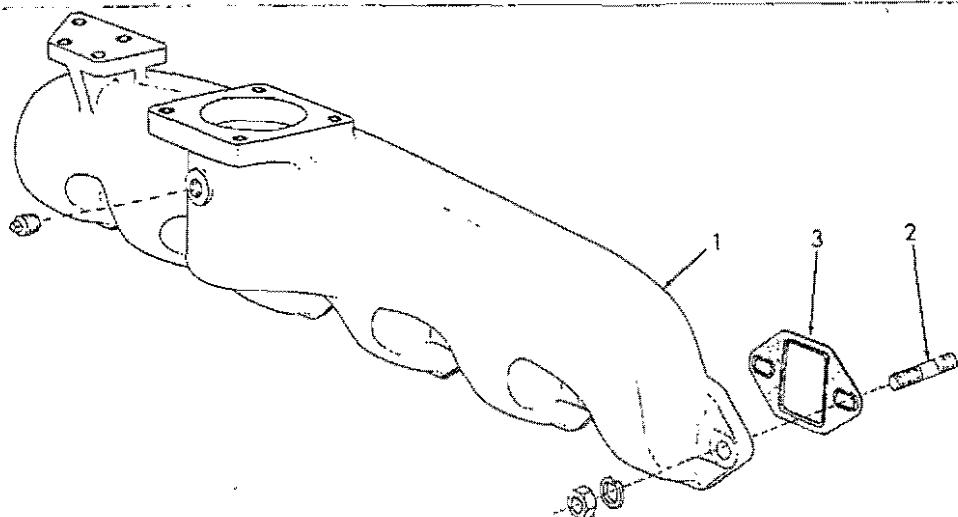
— ENGINE SHUT-OFF CONTROL —

T-41888

## ENGINE SHUT-OFF CONTROL

USAGE: Tractors prior to serial No. 12201

ITEM	PART NO.	QTY.	DESCRIPTION	
1	70091855	1	KNOB, shut-off rod	
2	70631555 70919763	1	ROD, upper NUT, 3/8"NF (left hand thread)	
3	70095421	1	NUT, control adjustment	
4	70644573 70911048	1	ROD, intermediate (Not used on units equipped with special GROUND SPEED GOVERNOR)	
		1	NUT, jam, 3/8"NF	
5	70644572 70911048	1	ROD, intermediate NUT, jam, 3/8"NF	For units equipped with special GROUND SPEED GOVERNOR only
6	70630745	1	SPRING, intermediate rod	
7	70097663	1	SPRING, retracting	
8	70631477 70911115 70900942	1	PIN, yoke, intermediate rod WASHER, plain, SAE std., 3/8" PIN, cotter, 3/32" x 5/8"	
9	70644560	1	LEVER ASSEMBLY, intermediate rod (Includes item 10)	
10	70624585	1	BUSHING, intermediate rod lever	
11	70043021	2	BEARING, needle, intermediate rod lever	
12	70096921	2	SEAL, bearing	
13	70634192	1	ROD, lower	
14	70628738 70900970	2	PIN, yoke, lower rod PIN, cotter, 1/16" x 1/2"	
15	70644565	1	BRACKET, supporting, control linkage	
16	70035439 70904206	2	CAPSCREW, 3/8"NC x 1" LOCKWASHER, 3/8"	
17	70035220 70904208 70910244 70900806	1	CAPSCREW, 1/2"NC x 1-1/8" LOCKWASHER, 1/2" WASHER, plain, SAE std., 1/2" PIN, cotter, 1/8" x 1"	
18	70634650 70911034	2	CAPSCREW, lever stop (3/8"NC x 1-1/2") NUT, jam, 3/8"NC	

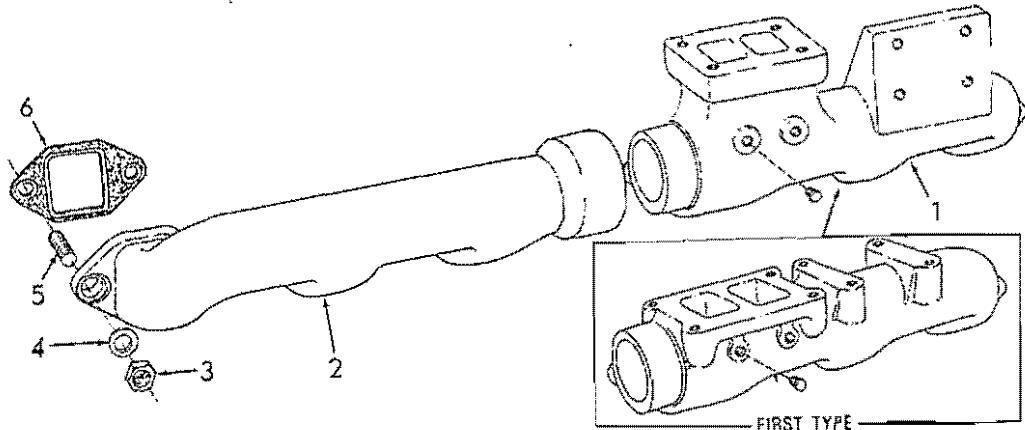


INTAKE MANIFOLD

T-13157

ITEM PART NO. QTY. DESCRIPTION

1	74320823 70901652	1	MANIFOLD, intake PLUG, pipe, 1/4"NPT
2	74339378	2	STUD, intake manifold (2-1/2" long)
2	{ 74346208	10	STUD, intake manifold (2-1/8" long)
	70904208	12	LOCKWASHER, 1/2"
	70910325	12	NUT, 1/2"NC
3	74359741	6	GASKET, intake manifold

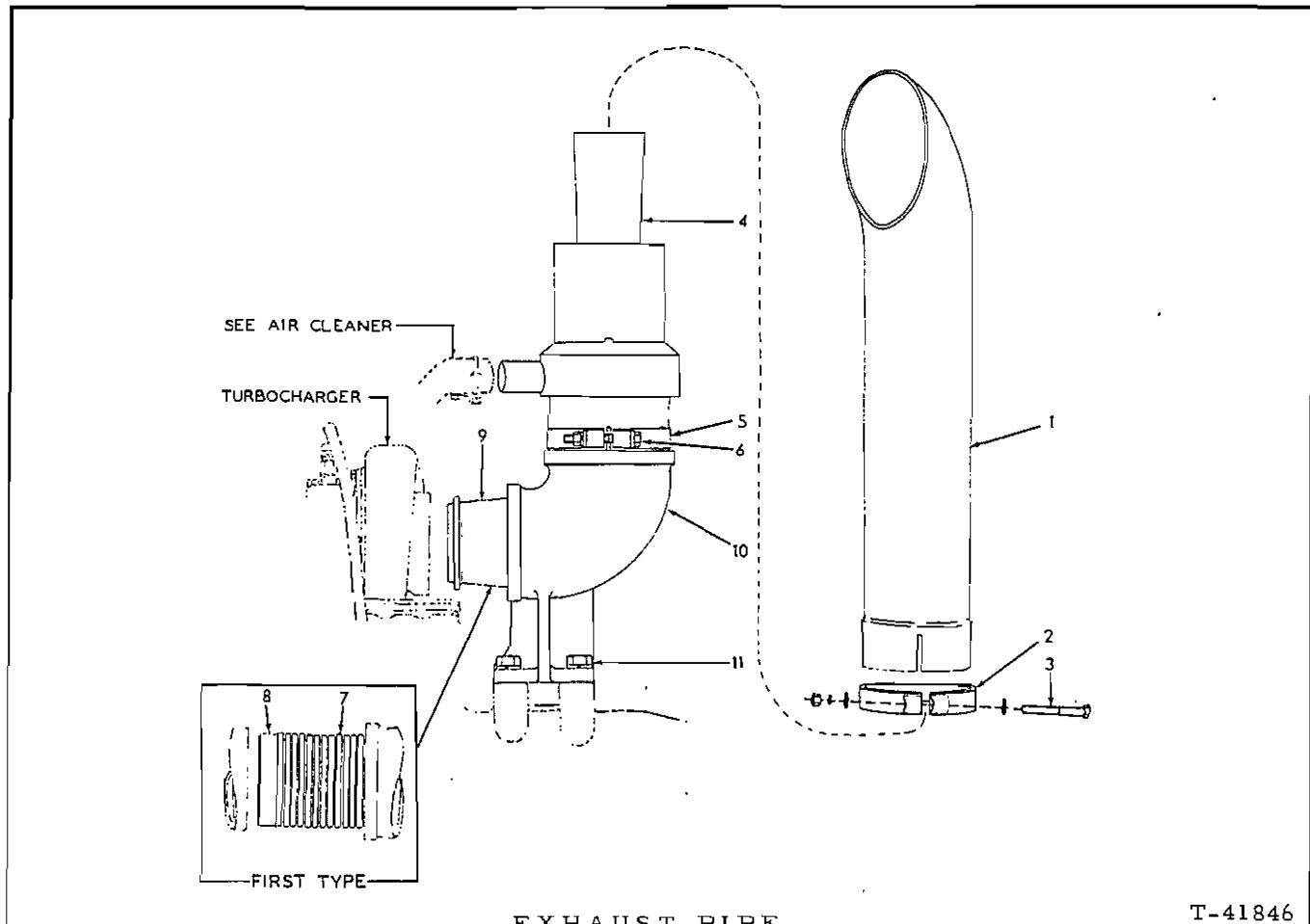


EXHAUST MANIFOLD

T-41856

ITEM PART NO. QTY. DESCRIPTION

1	{ 74339511 74359206	1	MANIFOLD, front (Engines prior to #11-17140) MANIFOLD, front (Engines #11-17140 and up)
	70919840	2	PLUG, pipe, hex-hd., 1/4"NPT
2	74335623	1	MANIFOLD, rear
3	74253270	12	NUT, manifold stud
4	74371107	12	WASHER, plain, stud nut
5	74346208	12	STUD, exhaust manifold
6	74359741	6	GASKET, exhaust manifold



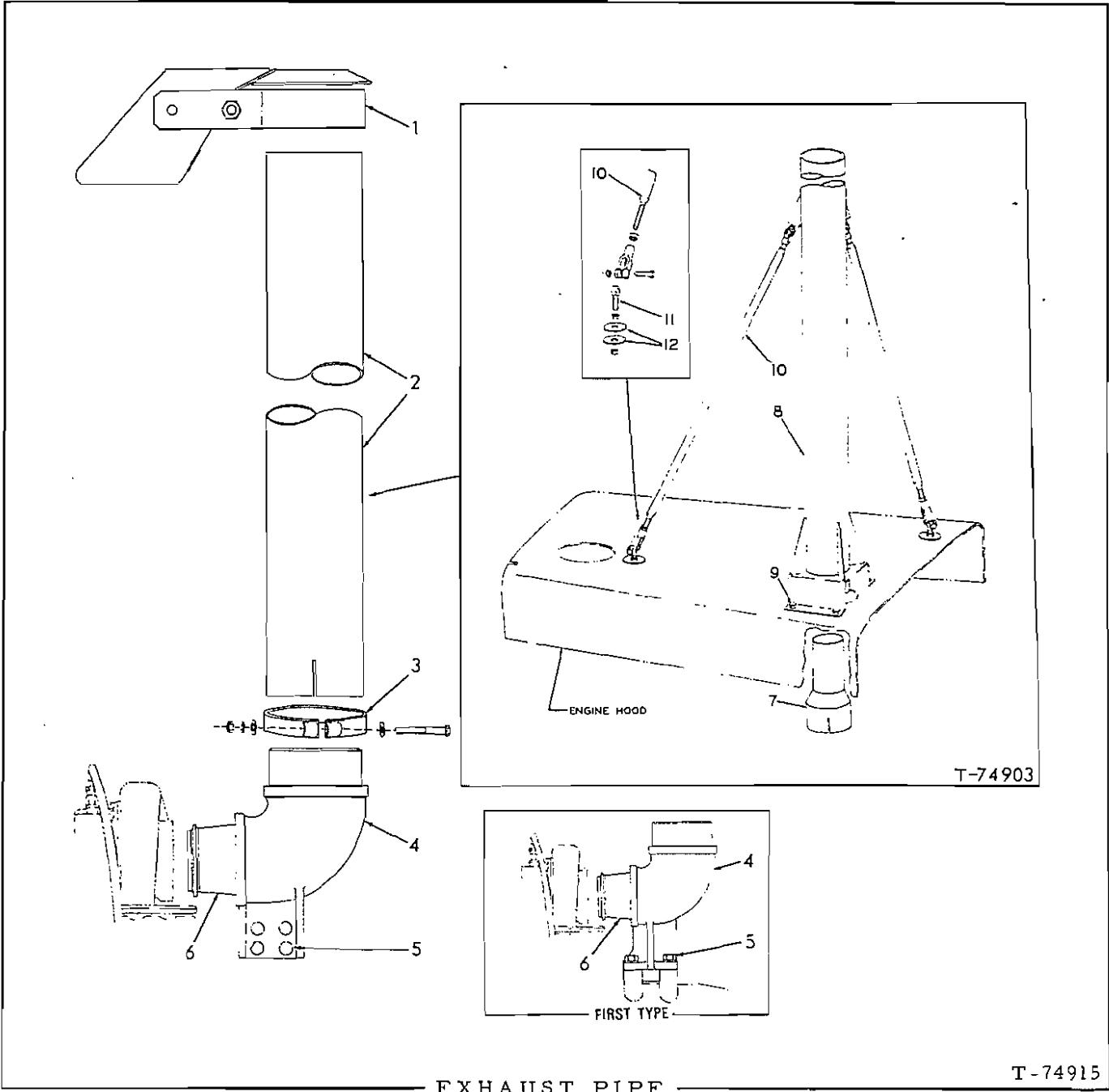
T-41846

USAGE: Tractors prior to serial No. 1336\_

\* Units with standard dry-type air cleaner  
 \*\* Units with optional oil-bath air cleaner

ITEM	PART NO.	Q.TY.	DESCRIPTION
		*	**
1	70644045	1	- PIPE, exhaust
	70656660	-	1 PIPE, exhaust
2	70644001	1	- CLAMP, exhaust pipe
	70638922	-	1 CLAMP, exhaust pipe
3	70051897	1	1 CAPSCREW, 3/8"NF x 3"
	70900817	2	2 WASHER, plain, U.S. std., 3/8"
	70904206	1	1 LOCKWASHER, 3/8"
	70911041	1	1 NUT, 3/8"NF
4	70651354	1	- ASPIRATOR, air cleaner
5	70644001	1	- CLAMP, air cleaner aspirator
6	70051897	1	- CAPSCREW, 3/8"NF x 3"
	70900817	2	2 WASHER, plain, U.S. std., 3/8"
	70904206	1	1 LOCKWASHER, 3/8"
	70911041	1	1 NUT, 3/8"NF
7	-----	1	- HOSE, exhaust outlet (metal)
8	-----	1	- ADAPTOR, exhaust outlet hose } Used prior to engine #11-11877. Order item 9.
9	74354714	1	1 DIFFUSER, exhaust (Effective with engine #11-11877)
10	74354821	1	1 ELBOW, exhaust
11	74255003	4	4 CAPSCREW, stainless steel, 3/8"NC x 1-1/4"
	70904206	4	4 LOCKWASHER, 3/8"

(Revised May 1979)  
 651804



T-74915

**EXHAUST PIPE**

USAGE: Tractors serial No. 13367 and up

**ITEM PART NO. QTY. DESCRIPTION**

1	70654029	1	RAINCAP	Used prior to January 1969
2	{ 70658582 70666456	1	PIPE, exhaust (straight)	
3	70638922 70916389 70044973 70904206 70911041	1	PIPE exhaust (curved)(Effective January 1969) CLAMP, exhaust pipe CAPSCREW, 3/8"NF x 3-1/4" WASHER, plain LOCKWASHER, 3/8" NUT, 3/8"NF	

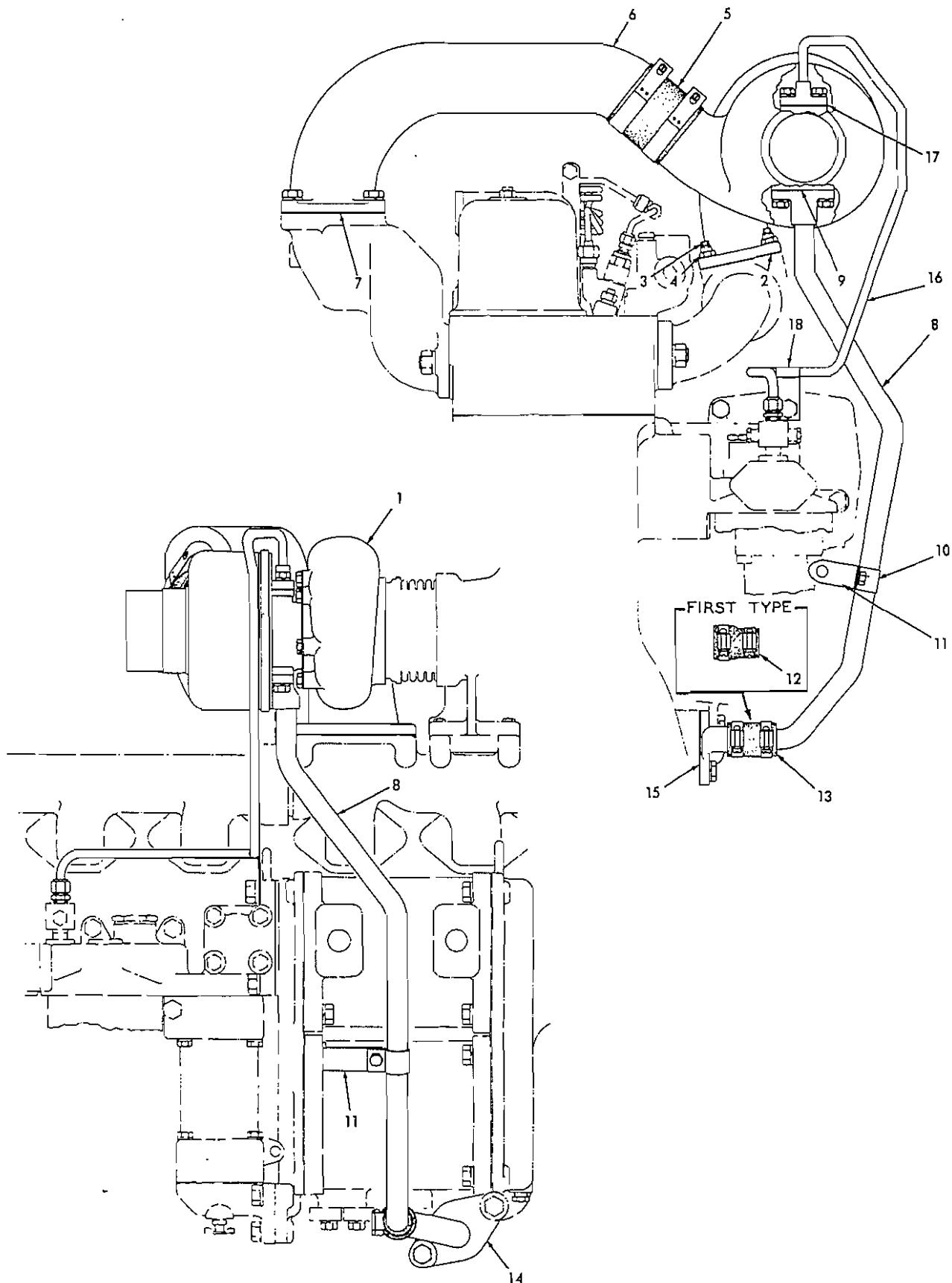
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EXHAUST PIPE (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
4	74354821	1	ELBOW, exhaust (Engines prior to #11-17140)
	74359207	1	ELBOW, exhaust (Engines #11-17140 and up)
5	74255003	4	CAPSCREW, stainless steel, 3/8"NC x 1-1/4"
	70904206	4	LOCKWASHER, 3/8"
6	74354714	1	DIFFUSER, exhaust (Engines prior to #11-17140)
	74359205	1	DIFFUSER, exhaust (Engines #11-17140 and up)

NOTE: Items listed below are special equipment

7	70660568	1	TUBE, extension (short)
8	70655102	1	TUBE, extension (long)
9	70035733	4	CAPSCREW, 1/2"NC x 1-3/8"
	70064531	4	WASHER, plain
	70904208	4	LOCKWASHER, 1/2"
	70911028	4	NUT, 1/2"NC
10	70655096	2	ROD, tube bracing
	70911043	2	NUT, 1/2"NF
	70917666	2	YOKE, adjustable, 1/2"NF
	70912192	4	CAPSCREW, 1/2"NF x 1-3/4"
	70038234	4	NUT, high, 1/2"NF
11	70067902	4	EYEBOLT, bracing rod
	70911043	8	NUT, 1/2"NF
12	70085453	4	WASHER, hood reinforcement



TURBOCHARGER

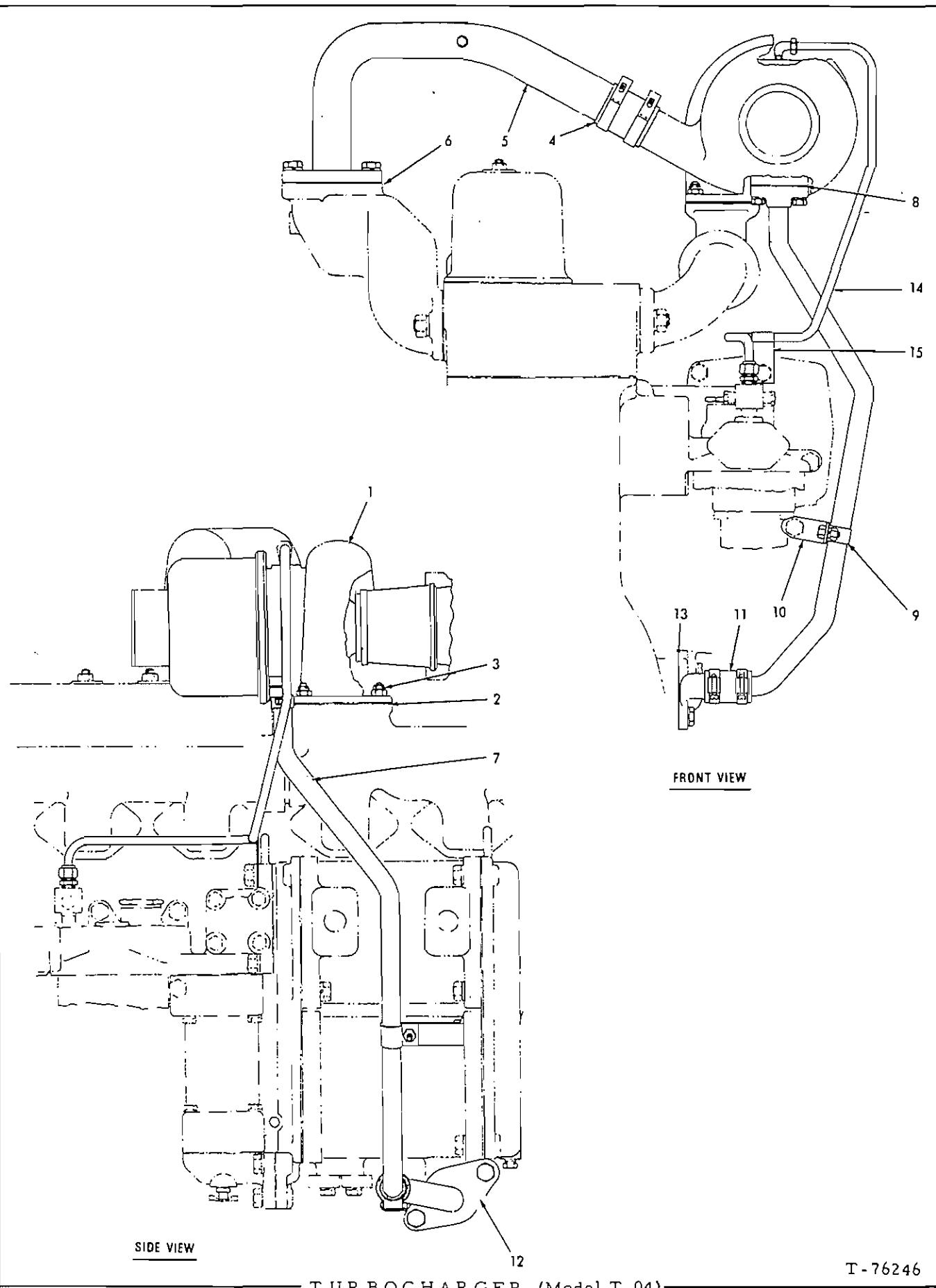
T-70430

TURBOCHARGER  
(Model TE-06)

USAGE: Engines prior to serial No. 11-17140

ITEM	PART NO.	QTY.	DESCRIPTION
1	74354698	1	TURBOCHARGER ASSY. (See page 97 for parts)
2	74336558	1	<input type="checkbox"/> GASKET, turbocharger mounting
3	74339535	4	STUD, turbocharger mounting
4	74385387	4	NUT, stainless, 3/8"NC
	70913544	4	WASHER, plain
5	74388349	1	HOSE, air discharge elbow
	74255644	2	CLAMP, hose
6	74339585	1	ELBOW, air discharge (See ENGINE AIR HEATER for optional Elbow)
	70919840	1	PLUG, pipe, hex-hd., 1/4"NPT (Not used when engine primer is installed)
	70919230	4	CAPSCREW, 1/2"NC x 1-3/8"
	70904208	4	LOCKWASHER, 1/2"
7	74349193	1	<input type="checkbox"/> GASKET, air discharge elbow
8	74358726	1	LINE, oil drain (When required for engines prior to #11-13614 also order item 13)
	70916269	2	CAPSCREW, 3/8"NC x 7/8"
	70904206	2	LOCKWASHER, 3/8"
9	74339532	1	<input type="checkbox"/> GASKET, oil drain line
10	74255606	1	CLAMP, supporting, oil drain line
	70915809	1	CAPSCREW, 5/16"NC x 3/4"
	70904205	1	LOCKWASHER, 5/16"
	70910323	1	NUT, 5/16"NC
11	74358911	1	BRACKET, supporting, oil drain line
12	74379723	1	ADAPTOR, oil drain line (rubber)(Used prior to engine #11-13614)
	70921911	1	CLAMP, hose, 11/16" to 1-1/4"
	70921912	1	CLAMP, hose, 1-1/16" to 2"
13	74358728	1	HOSE, oil drain line (Effective with engine #11-13614)
	70921912	2	CLAMP, hose, 1-1/16" to 2"
14	74339496	1	FLANGE, oil drain line
	70919230	1	CAPSCREW, 1/2"NC x 1-3/8"
	70904208	1	LOCKWASHER, 1/2"
15	74336436	1	GASKET, oil drain line flange
16	74354310	1	TUBE ASSY., oil feed (Includes SLEEVE and NUT indented below)
	70917807	1	SLEEVE, Imperial, 3/8" tube
	70917810	1	NUT, Imperial, 3/8" tube
	70920700	1	CONNECTOR, Imperial, 3/8" tube, 3/8"NPT male
	70916269	2	CAPSCREW, 3/8"NC x 7/8"
	70904206	2	LOCKWASHER, 3/8"
17	74339533	1	<input type="checkbox"/> GASKET, oil feed tube
18	74375953	1	CLAMP, supporting, oil feed tube
19	74339827	-	GASKET KIT (Consists of items 2, 7, 9 and 17)(Not illustrated)

Components of item 19



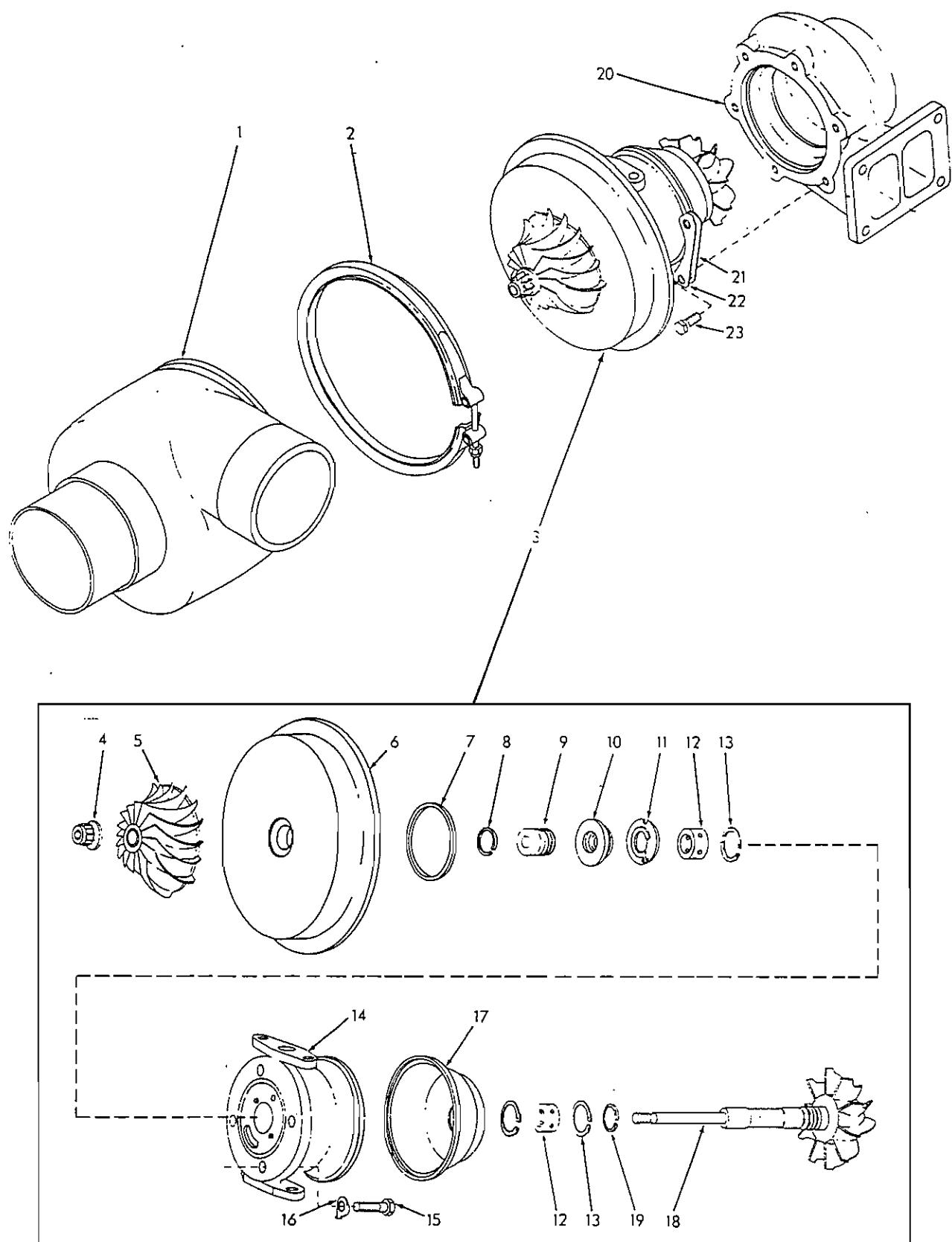
TURBOCHARGER (Model T-04)

T-76246

TURBOCHARGER  
(Model T-04)

USAGE: Engines serial No. 11-17140 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	TURBOCHARGER ASSY. (See page 97A)
2	74359214	1	GASKET, turbocharger mounting
3	74513701 74255977 70913544	4	STUD, turbocharger mounting NUT, stainless, 3/8"NC WASHER, plain
4	74359213 70927140	1	HOSE, air discharge elbow CLAMP, hose
5	74359216 70919840 70916311 70904208	1	TUBE, air discharge PLUG, pipe, hex-hd., 1/4"NPT (Not used when engine primer is installed) CAPSCREW, 1/2"NC x 1-1/4" LOCKWASHER, 1/2"
6	74349193	1	GASKET, air discharge elbow
7	74359200 70916271 70904206	1	TUBE, oil drain CAPSCREW, 3/8"NC x 1" LOCKWASHER, 3/8"
8	74339532	1	GASKET, oil drain line
9	74255606 70915809 70904205 70910323	1	CLAMP, supporting, oil drain line CAPSCREW, 5/16"NC x 3/4" LOCKWASHER, 5/16" NUT, 5/16"NC
10	74358911	1	BRACKET, supporting, oil drain line
11	74358728 70921912	1	HOSE, oil drain line CLAMP, hose, 1-7/16" diam.
12	74339496 70919230 70904208	1	FLANGE, oil drain line CAPSCREW, 1/2"NC x 1-3/8" LOCKWASHER, 1/2"
13	74336436	1	GASKET, oil drain line flange
14	74359202 74338301 70917807 70917810 70920700 70920280	1	TUBE ASSY., oil feed (Includes SLEEVE and NUT indented below) SLEEVE (turbo end) SLEEVE, Sealastic, 3/8" tube (filter end) NUT, Sealastic, 3/8" tube CONNECTOR, Sealastic, 3/8" tube, 3/8"NPT male ELBOW, Imperial, 90°, 3/8" tube, 1/4"NPT male
15	74375953	1	CLAMP, supporting, oil feed tube



T-70408

TURBOCHARGER ASSEMBLY

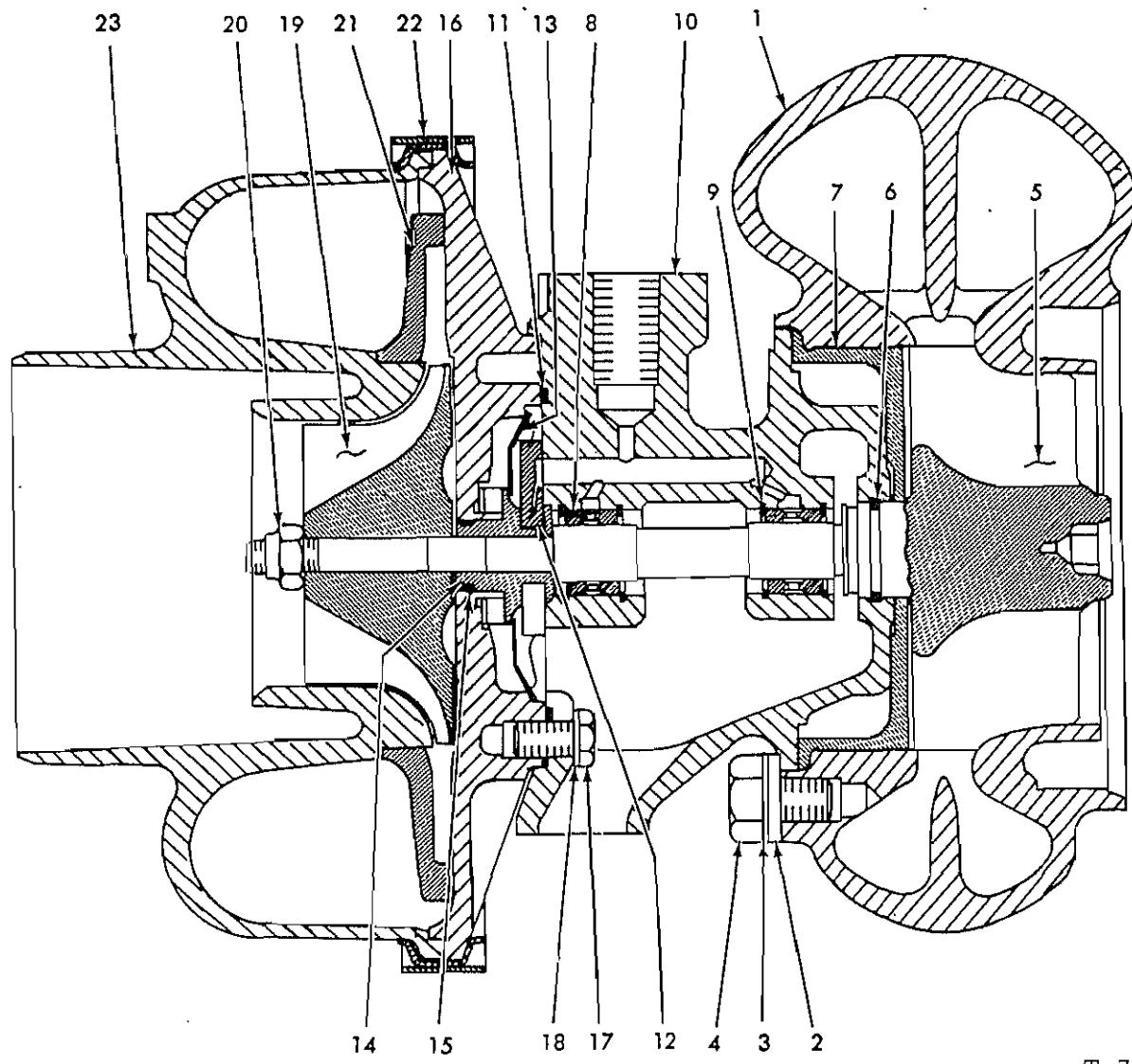
(Revised May 1979)

## TURBOCHARGER ASSEMBLY

USAGE: See page 95

\*74354698 - Original equipment  
 \*\*74320922 - Service replacement

ITEM	PART NO.	QTY.	DESCRIPTION
* * *			
1	74056303	1 1	HOUSING ASSY., compressor (Includes impeller shroud and locating pin)
2	74056302	1 1	COUPLING, compressor housing
3	74059050	1 -	HOUSING ASSY., center (Consists of items 4 thru 18)
	74061560	- 1	HOUSING ASSY., center (Consists of items 4 thru 18)
4	74056291	1 1	LOCKNUT, impeller retaining
5	74056290	1 1	IMPELLER, compressor
6	74059030	1 1	BACKPLATE ASSY. (Includes thrust washer and orifice pin)
7	74056300	1 1	RING, end plate sealing
8	74055195	1 1	RING, sealing, turbine wheel shaft, compressor end
9	74056289	1 1	SPACER, thrust
10	74059029	1 1	COLLAR, thrust
11	74056294	1 1	BEARING, thrust
12	74056295	2 -	BEARING, turbine wheel
	74061213	- 2	BEARING, turbine wheel
	74061214	- 2	WASHER
13	74056296	3 3	RING, snap, bearing retaining
14	74056286	1 -	HOUSING ASSY., center (Includes dowels)(Engines prior to #11-12098)
	74059024	1 1	HOUSING ASSY., center (Includes dowels)(Engines #11-12098 and up)
15	74181061	4 4	BOLT, backplate attaching
16	74059992	2 2	LOCKPLATE, back plate attaching bolt
17	74060371	1 1	SHROUD, heat, turbine end
18	74061093	1 1	WHEEL, turbine (Engines prior to #11-12098)
	74059049	1 1	WHEEL, turbine (Engines #11-12098 and up)
19	74056297	1 1	RING, sealing, turbine wheel shaft, exhaust end (Engines prior to #11-12098)
20	74059051	1 1	HOUSING, turbine
21	74056306	3 3	PLATE, clamp, center housing
22	74056305	3 3	LOCKPLATE, clamp plate bolt
23	74056314	3 3	BOLT, clamp plate (3/8"NC x 5/8")



TURBOCHARGER ASSEMBLY

T-76151

USAGE: See page 95B

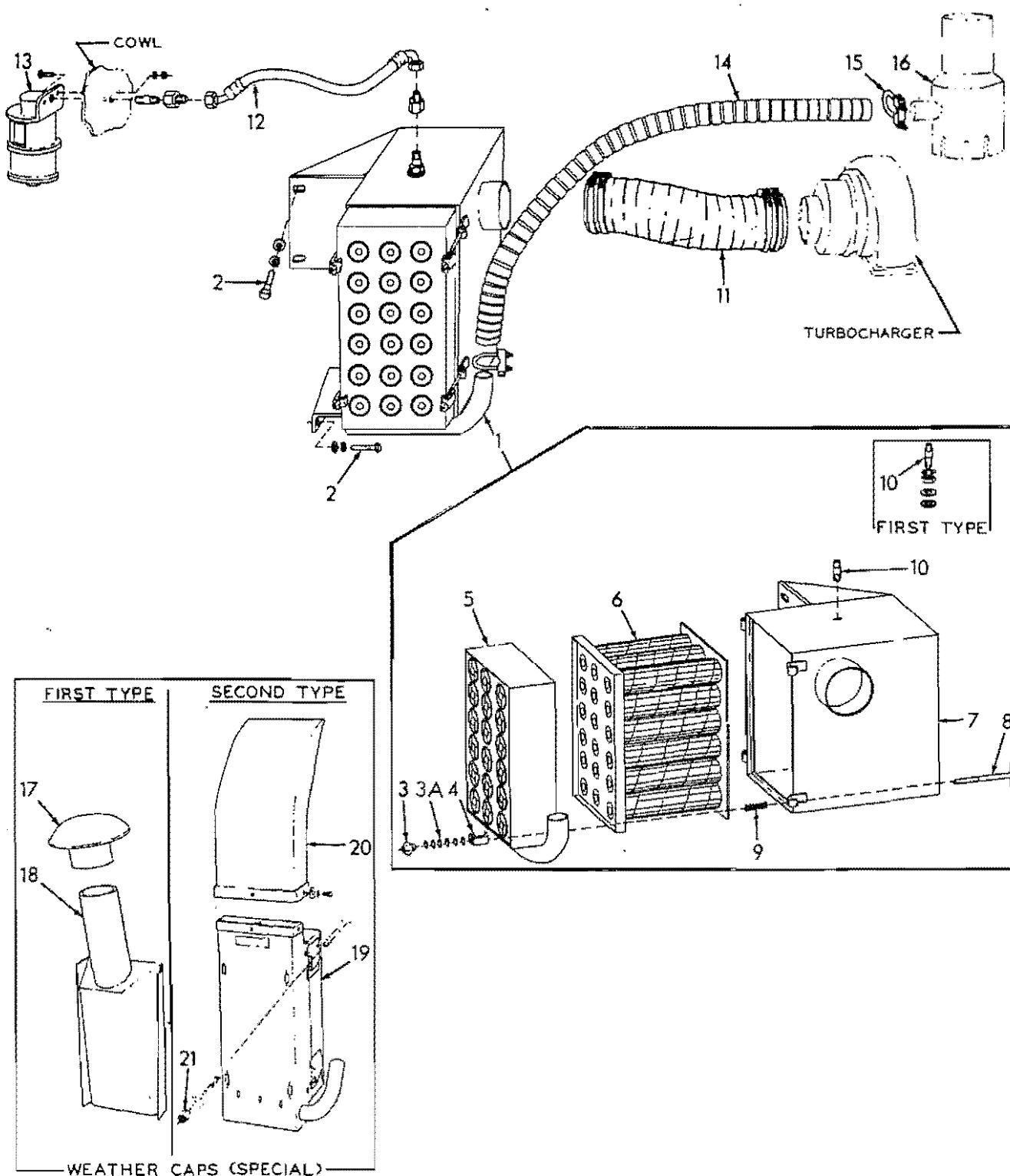
ITEM	PART NO.	QTY.	DESCRIPTION
-	74359212	1	TURBOCHARGER ASSY. (Includes items 1 thru 23)(Original equipment. Order TURBOCHARGER ASSY. 74320705)
-	74320705	1	TURBOCHARGER ASSY. (Includes items 1 thru 23)(Service replacement. Identified by part No. 74320704 stamped on name plate)
1	74060014	1	HOUSING, turbine
2	74059990	3	CLAMP
3	74059991	3	LOCKPLATE, turbine housing bolts
4	74059998	6	BOLT, turbine housing

(Continued)

(Revised January 1974)

TURBOCHARGER ASSEMBLY (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
5	74060011	1	SHAFT AND TURBINE WHEEL
6	74059985 74060936	1	RING, sealing, turbine wheel shaft (For use with TURBOCHARGER 74359212)
		1	RING, sealing, turbine wheel shaft (For use with TURBOCHARGER 74320705)
7	74059997	1	SHROUD, turbine housing
8	74060935	2	BEARING, turbine shaft
9	74059989	4	RING, snap, bearing retaining
10	74060940 74060000	1 2	HOUSING ASSY., center (Includes item 6 and PIN indented below) PIN, spring, stainless, 3/32" x 1/4"
11	74056300	1	RING, sealing, compressor housing
12	74060939	1	BEARING, thrust
13	74059987	1	SPRING, thrust bearing
14	74059988	1	COLLAR, thrust
15	74059984	1	RING, sealing, thrust collar
16	74060941	1	BACKPLATE ASSY., compressor housing (Includes item 13)
17	70928202	4	BOLT, attaching
18	74059992	2	LOCKPLATE
19	74060006	1	WHEEL, compressor
20	74059993	1	NUT, turbine shaft
21	74060003	1	DIFFUSER, discharge air
22	74059995	1	COUPLING, V-band (Includes clamping screw)
23	74060009	1	HOUSING, compressor



AIR CLEANER (First type)

T-41845

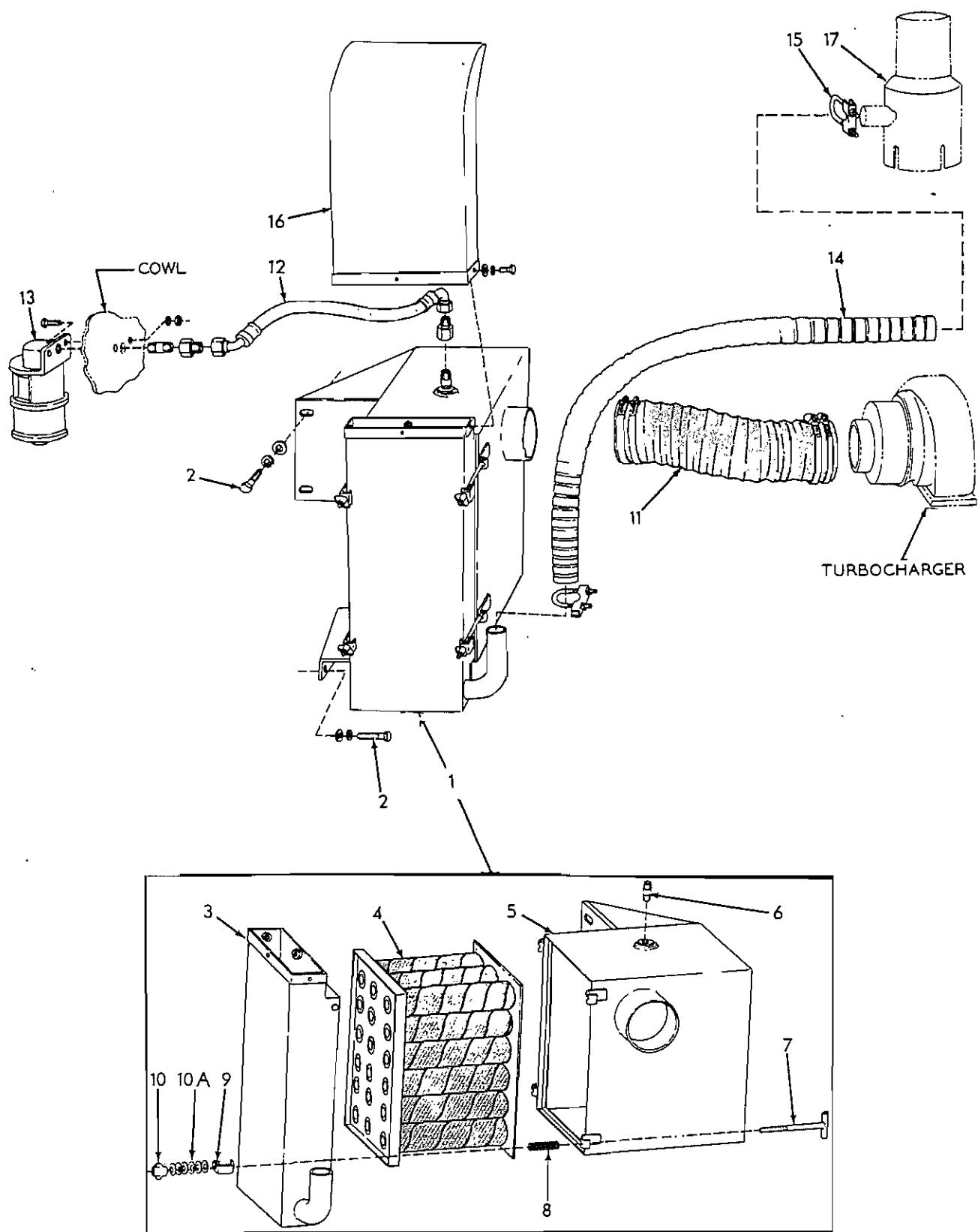
# AIR CLEANER

USAGE: Tractors prior to serial No. 11525

## ITEM PART NO. QTY. DESCRIPTION

1	70644071	1	CLEANER ASSEMBLY, air (Consists of items 3 thru 10)
	70070469	4	CAPSCREW, 1/2"NF x 1-1/4" (Early units)
2	{ 70035061	4	CAPSCREW, 1/2"NC x 1-1/4" (Late units)
	70904208	4	LOCKWASHER, 1/2"
	70064531	4	WASHER, plain
3	70056863	4	NUT, wing, pre-cleaner panel
3A	70659195	24	WASHER, spring, pre-cleaner panel nut
4	70196662	4	HOOK, pre-cleaner panel
5	70644079	1	PANEL, pre-cleaner
6	70644042	1	CARTRIDGE
7	70644080	1	HOUSING ASSEMBLY, air cleaner (Includes items 3,3A, 4,8,9,10)
8	70196663	4	T-BOLT, pre-cleaner panel
9	70650301	4	SPRING, pre-cleaner panel T-bolt
10	{ 70650959	1	ADAPTER KIT, restriction indicator (Includes filter and items listed below)(For tractors prior to #11252)
	70911048	1	NUT, jam, 3/8"NF
	70904206	1	LOCKWASHER, 3/8"
	70900817	1	WASHER, plain, U.S. std., 3/8"
	70638727	1	GASKET
	70650302	1	ADAPTER, restriction indicator (1/8"NPT nipple. Includes filter) (Effective with tractor #11252)
11	70644032	1	HOSE, air inlet
	70922200	4	CLAMP, hose, 3-5/16" to 4-5/16" diam.
12	70655089	1	HOSE, restriction indicator (See HOSE PARTS)
	70919174	2	CONNECTOR, flare type, 1/4" tube, 1/8"NPT female
	70904273	1	NIPPLE, pipe, 1/8"NPT x 1"
13	7C631564	1	INDICATOR, air restriction (Serviced only as a unit)
	7C924956	2	CAPSCREW, 1/4"NF x 3/4"
	70904204	2	LOCKWASHER, 1/4"
	70911040	2	NUT, 1/4"NF
14	70644033	1	HOSE, aspirator
15	70644034	2	CLAMP ASSEMBLY, aspirator hose (Serviced only as a unit)
16	-----	1	ASPIRATOR (See EXHAUST PIPE)
			<u>NOTE:</u> Items listed below are special equipment
17	70624438	1	CAP, weather
18	70646773	1	INTAKE, weather cap adapting }
19	70651043	1	PANEL, air intake (Replaces standard PANEL 644079) }
20	70650896	1	ADAPTER, air intake
	70047478	4	CAPSCREW, 1/4"NC x 5/8" }
	70904204	4	LOCKWASHER, 1/4" }
	70911114	4	WASHER, plain, SAE std., 1/4" }
21	70655140	4	NUT, air intake panel }

NOTE: See PAINTING AND MARKING for transfers



T-72062

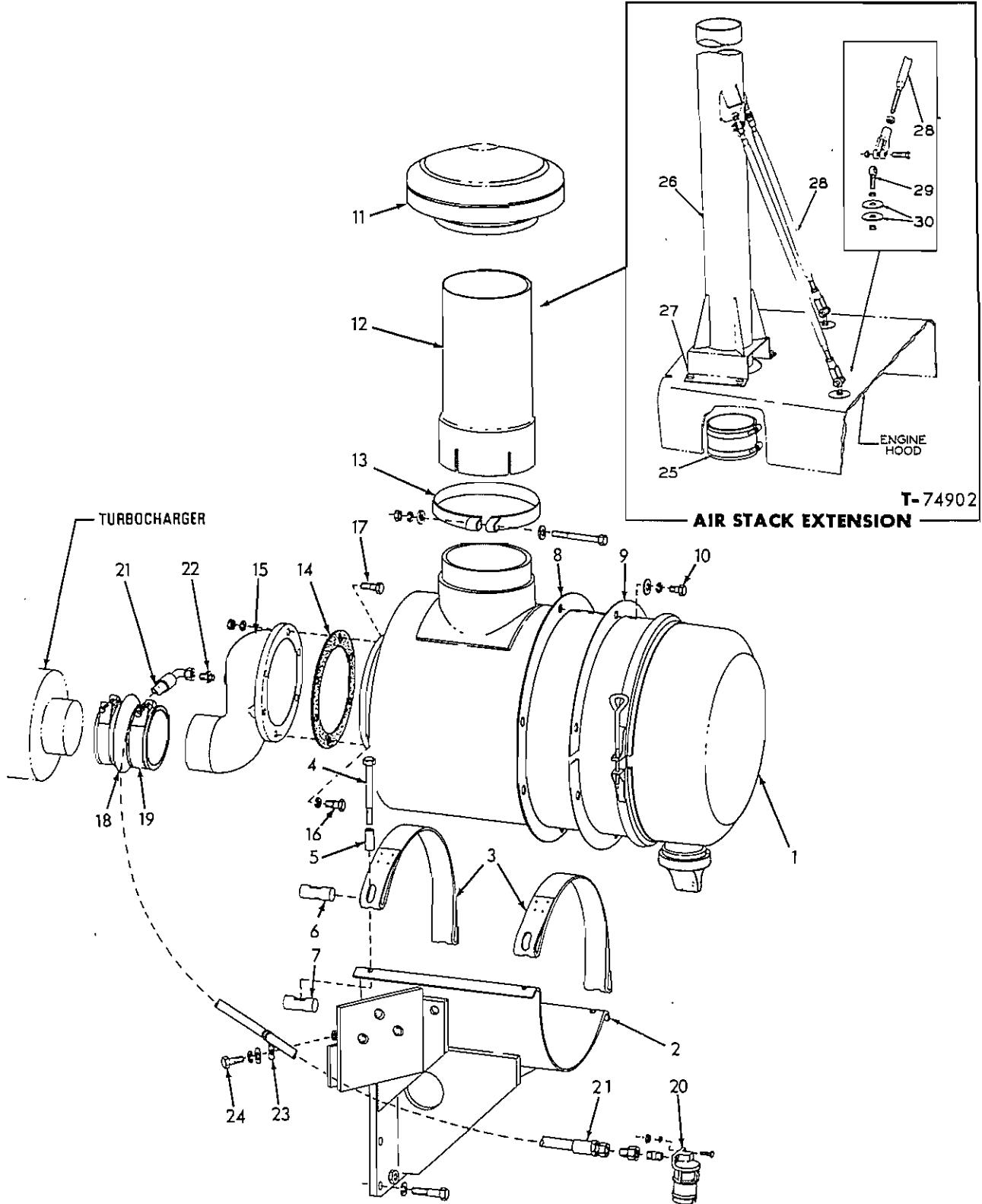
AIR CLEANER (Second type)

AIR CLEANER  
("Farr" Dry-type)

USAGE: Tractors serial No. 11525 thru 13366. Also see page 107 for optional oil-bath air cleaner.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70650948	1	CLEANER ASSY., air (Consists of items 3 thru 10)
2	70035061	4	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	4	LOCKWASHER, 1/2"
	70064531	4	WASHER, plain
3	70650941	1	PRE-CLEANER
4	70644042	1	CARTRIDGE, pre-cleaner
5	70644080	1	HOUSING ASSY., air cleaner (Includes items 6 thru 10A)
6	70650302	1	ADAPTER, restriction indicator
7	70196663	4	T-BOLT, pre-cleaner
8	70650301	4	SPRING, pre-cleaner bolt
9	70196662	4	HOOK, pre-cleaner
10	70056863	4	NUT, wing, pre-cleaner bolt
10A	70659195	24	WASHER, spring pre-cleaner bolt nut
11	70644032	1	HOSE, air inlet
	70922200	4	CLAMP, hose, 3-5/16" to 4-5/16" diam.
12	70655089	1	HOSE, restriction indicator (See HOSE PARTS)
	70919174	2	CONNECTOR, flare type, 1/4" tube, 1/8"NPT female
	70904273	1	NIPPLE, pipe, 1/8"NPT x 1"
13	74388648	1	INDICATOR, air restriction (If for first replacement also order item 13A)
13A	73045531	1	FLANGE, indicator mounting
	70924956	2	CAPSCREW, 1/4"NF x 3/4"
	70904204	2	LOCKWASHER, 1/4"
	70911040	2	NUT, 1/4"NF
14	70644033	1	HOSE, aspirator
15	70644034	2	CLAMP ASSY., aspirator hose (Serviced only as a unit)
16	70650896	1	ADAPTER, air intake
	70047478	4	CAPSCREW, 1/4"NC x 5/8"
	70904204	4	LOCKWASHER, 1/4"
	70911114	4	WASHER, plain, SAE std., 1/4"
17	-----	1	ASPIRATOR (See EXHAUST PIPE)

NOTE: See PAINTING AND MARKING for transfers



AIR CLEANER (Third type) —

T-74916

AIR CLEANER  
("Donaldson" Dry-type)

USAGE: Tractors serial No. 13367 and up. Also see page 107 for optional oil-bath air cleaner.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70662618	1	CLEANER ASSY., air (See page 105 for parts)
2	70657825	1	BRACKET, mounting (Original equipment. Order BRACKET 70667137, 2 BAND 70667123, 4 CAPSCREW 70916273, 4 WASHER 70044973 and 4 NUT 70918308)
	70667137	1	BRACKET, mounting (Service replacement. If for first replacement also order 2 BAND 70667123, 4 CAPSCREW 70916273, 4 WASHER 70044973 and 4 NUT 70918308)
	70920648	4	CAPSCREW, 7/16"NC x 2"
	70904207	4	LOCKWASHER, 7/16"
	70657823	2	BAND, mounting (Original equipment. For use with BRACKET 657825)
3	70667123	2	BAND, mounting
	70916273	4	CAPSCREW, 3/8"NC x 1-3/4"
	70044973	4	WASHER, plain
	70918308	4	NUT, elastic stop, 3/8"NC
4	70082937	4	CAPSCREW, mounting band
5	70053667	4	SPACER, mounting band capscrew
6	70081795	4	PIN, mounting band, upper
7	70081796	4	PIN, mounting band, lower
8	70657833	1	GASKET, cleaner sealing
9	70657832	2	PLATE, sealing gasket
10	70920539	6	CAPSCREW, Nylok, 3/8"NC x 1"
	70911115	6	WASHER, plain, SAE std., 3/8"
11	70645028	1	RAINCAP (Includes mounting clamp)
12	70645029	1	TUBE, air inlet
13	70629755	1	CLAMP, inlet tube
	70916390	1	CAPSCREW, 3/8"NF x 3-3/4"
	70044973	2	WASHER, plain
	70904206	1	LOCKWASHER, 3/8"
	70911041	1	NUT, 3/8"NF
14	70658759	1	GASKET, air intake elbow
15	70657816	1	ELBOW, air intake (Tractors prior to unit #14727 including exceptions listed below)
	70669224	1	ELBOW, air intake (Tractors unit #14727 and up excluding exceptions listed below)
16	70035439	2	CAPSCREW, 3/8"NC x 1" (Tractors prior to unit #14727 including exceptions listed below)
17	70919224	6	CAPSCREW, 3/8"NC x 1-1/8" (2 less used on tractors prior to unit #14727 including exceptions listed below)
	70904206	6	LOCKWASHER, 3/8"
	70911026	6	NUT, 3/8"NC

(Continued)

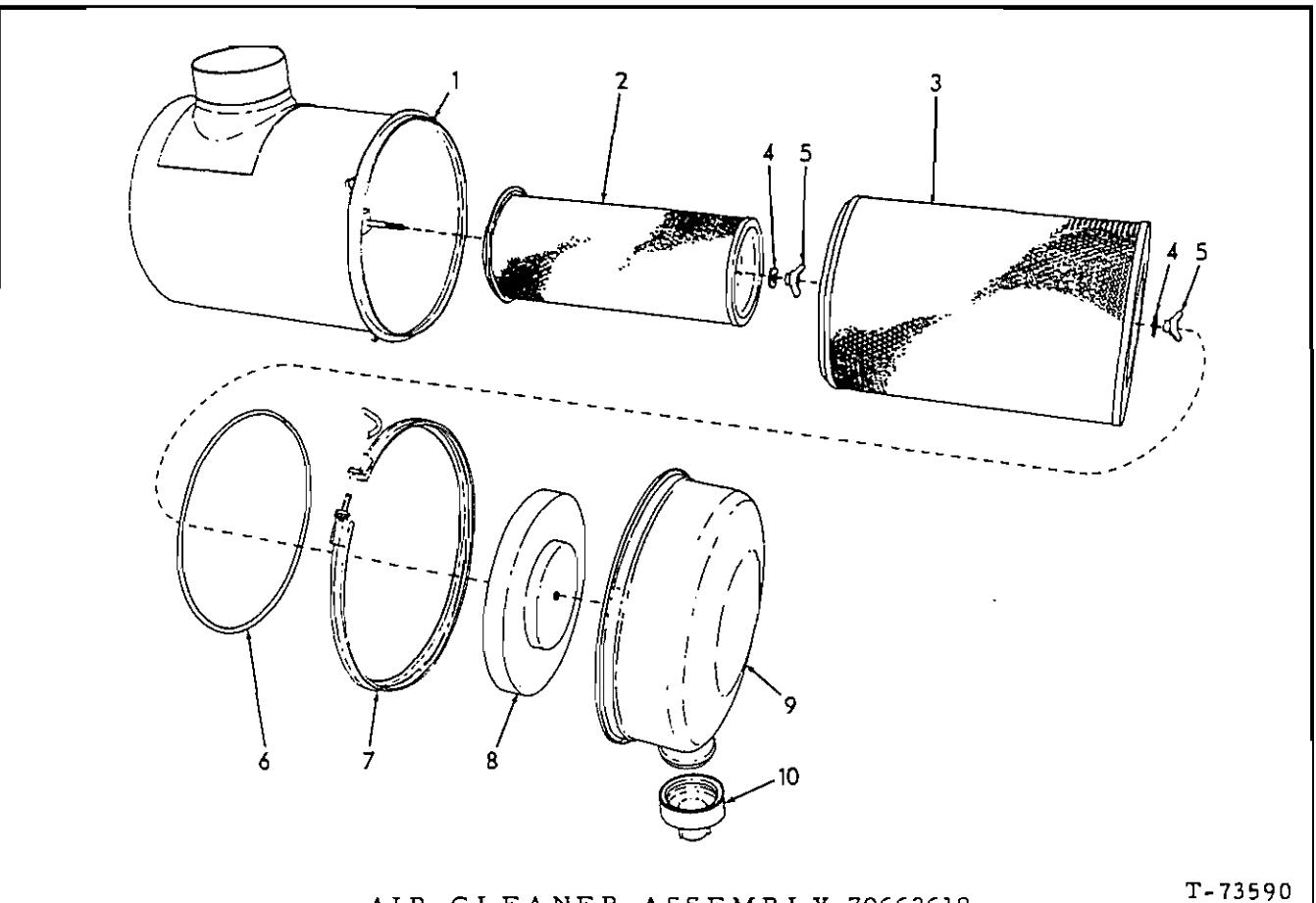
(Revised April 1971)

AIR CLEANER (Continued),  
("Donaldson" Dry-type)

ITEM	PART NO.	QTY.	DESCRIPTION
18	70659034	1	HOSE, air intake elbow (Tractors prior to unit #14727 including exceptions listed below)
	70669212	1	HOSE, air intake elbow (Tractors unit #14727 and up excluding exceptions listed below)
19	70658781	2	CLAMP, intake elbow hose (Tractors prior to unit #14727 including exceptions listed below)
	70925262	2	CLAMP, intake elbow hose (Tractors unit #14727 and up excluding exceptions listed below)
20	74388648	1	INDICATOR, air restriction (If for first replacement on tractors prior to unit #14670 also order item 20A)
20A	73045531	1	FLANGE, indicator mounting
	70925343	2	CAPSCREW, cd.-pltd., 1/4"NC x 3/4"
	70904204	2	LOCKWASHER, 1/4"
	70911024	2	NUT, 1/4"NC
21	70646931	1	HOSE, restriction indicator (See HOSE PARTS)
	70919174	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT female
	70904273	1	NIPPLE, pipe, 1/8"NPT x 1"
22	70631769	1	FITTING, safety, restriction indicator line
23	70644006	1	CLIP, supporting, indicator hose
24	70035439	1	CAPSCREW, 3/8"NC x 1"
	70904206	1	LOCKWASHER, 3/8"
	70911115	1	WASHER, plain, SAE std., 3/8"
<u>NOTE:</u> Items listed below are special equipment			
25	70660564	1	HOSE, air stack
	70921919	2	CLAMP, hose, 4-5/8" to 7-1/4" diam.
26	70660577	1	TUBE, extension
27	70035733	4	CAPSCREW, 1/2"NC x 1-3/8"
	70064531	4	WASHER, plain
	70904208	4	LOCKWASHER, 1/2"
	70911028	4	NUT, 1/2"NC
28	70654815	2	ROD, tube bracing
	70911043	2	NUT, 1/2"NF
	70917666	2	YOKE, adjustable, 1/2"NF
	70912192	4	CAPSCREW, 1/2"NF x 1-3/4"
	70038234	4	NUT, high, 1/2"NF
29	70067902	4	EYEBOLT, bracing rod
	70911043	8	NUT, 1/2"NF
30	70085453	4	WASHER, plain

NOTE: See PAINTING AND MARKING for instruction  
transfer applied to air stack

EXCEPTIONS: 14729, 14730, 14731, 14743, 14745,  
14747, 14751 and 14759



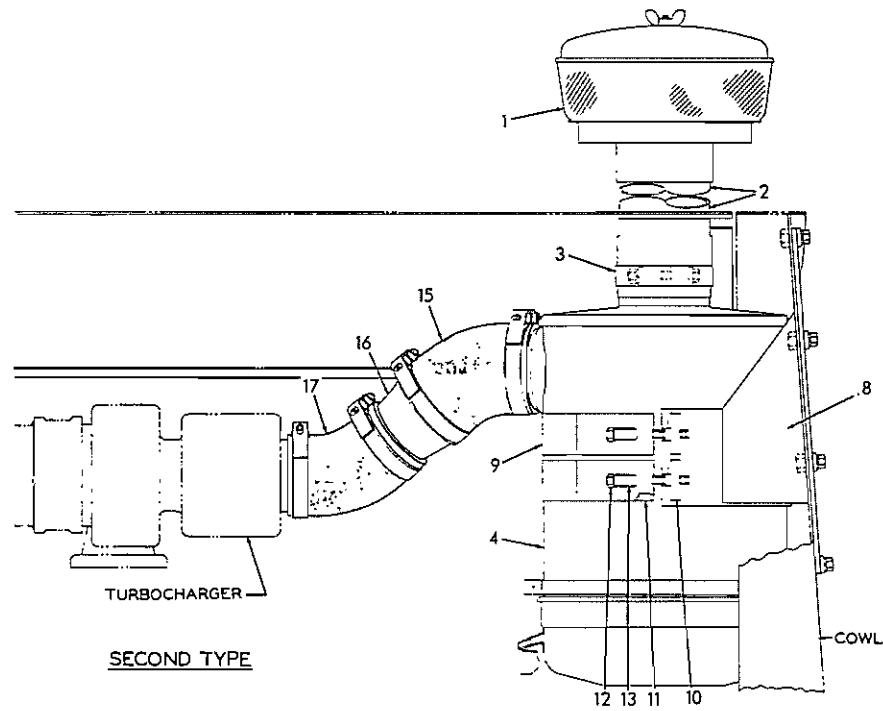
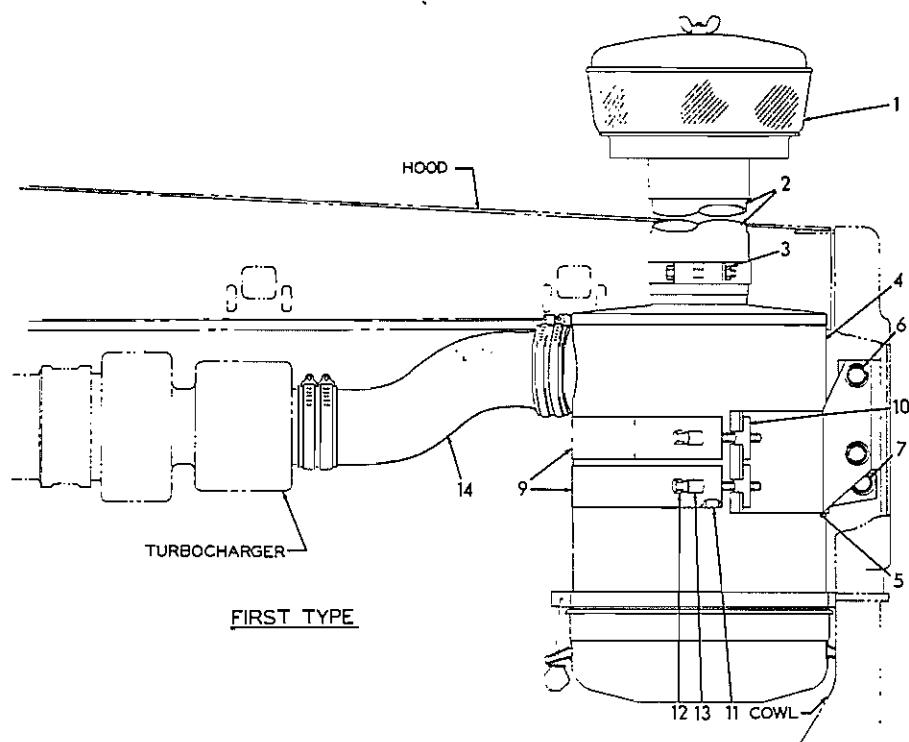
AIR CLEANER ASSEMBLY 70662618

T-73590

USAGE: See page 103

ITEM PART NO. QTY. DESCRIPTION

1	-----	1	BODY (Not serviced separately)
2	70662477	1	ELEMENT ASSEMBLY, safety (inner)
3	70659533	1	ELEMENT ASSEMBLY, filtering (outer)
4	-----	2	GASKET, element retaining nut
5	70239517	2	NUT ASSEMBLY, element retaining (Includes item 4)
6	70620721	1	O-RING, cup sealing
7	70621530	1	CLAMP ASSEMBLY (Includes tightening screw)
8	70661162	1	BAFFLE ASSEMBLY (Includes wing nut)
9	70661163	1	CUP, sediment
10	703042943	1	VALVE, unloading



AIR CLEANER  
(Oil-bath)

USAGE: Special equipment

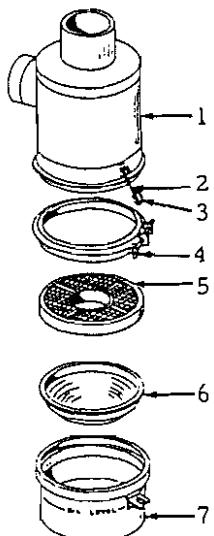
\* Tractors prior to serial No. 13367  
\*\* Tractors serial No. 13367 and up

ITEM	PART NO.	QTY.	*	**	DESCRIPTION
1	70655272	1	1		PRE-CLEANER ASSEMBLY, air (See page 108 for parts)
2	70622685	1	1		TUBE, air inlet
3	70639725	1	1		CLAMP, air inlet tube
	70919227	1	1		CAPSCREW, 3/8"NC x 3-1/4"
	70044973	2	2		WASHER, plain
	70904206	1	1		LOCKWASHER, 3/8"
	70911026	1	1		NUT, 3/8"NC
4	70655270	1	1		CLEANER ASSEMBLY, air (See page 108 for parts)
5	70656663	1	-		SADDLE, mounting
6	70035221	2	-		CAPSCREW, 1/2"NC x 1"
7	70035061	2	-		CAPSCREW, 1/2"NC x 1-1/4"
	70904208	4	-		LOCKWASHER, 1/2"
	70064531	4	-		WASHER, plain
8	70660242	-	1		SADDLE, mounting
	70916272	-	6		CAPSCREW, 3/8"NC x 1-1/4"
	70904206	-	6		LOCKWASHER, 3/8"
	70044973	-	6		WASHER, plain
9	70622884	2	2		BAND, air cleaner mounting
10	70081796	4	4		PIN, mounting band (threaded hole)
11	70081795	4	4		PIN, mounting band (plain hole)
12	70086238	4	4		CAPSCREW, mounting band
13	70053667	4	4		SPACER, mounting band capscrew
14	70656665	1	-		HOSE, cleaner to turbocharger
	70921916	4	-		CLAMP, hose, 3-3/4" to 4-3/4" diam.
15	70660252	-	1		HOSE, rear
	70193822	-	2		CLAMP, hose
16	70660260	-	1		REDUCER, air inlet
17	70660258	-	1		HOSE, front
	70658781	-	2		CLAMP, hose

NOTE: See PAINTING AND MARKING for transfer

## AIR CLEANER ASSEMBLY 70655270

USAGE: See page 107

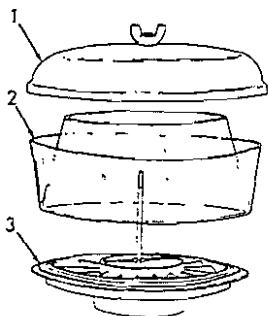


T-72429

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	BODY ASSY. (Not serviced separately)
2	74055454	2	BOLT ASSY. (Includes item 3)
3	74055455	2	NUT, wing
4	74055456	1	BAND ASSY. (Includes screw and nut)
5	74055451	1	ELEMENT, filtering
6	74055452	1	CUP, inner
7	74055453	1	CUP, outer

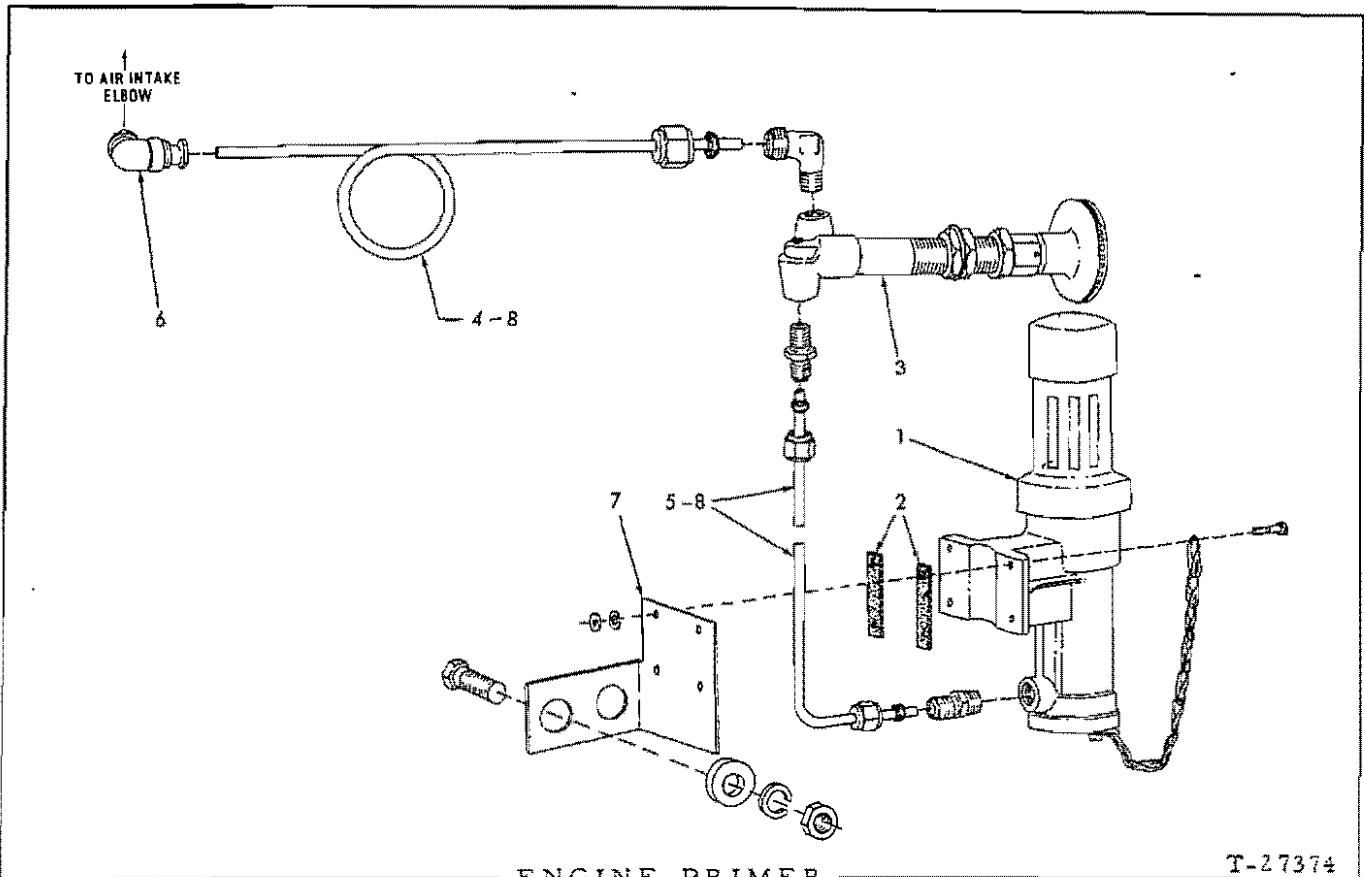
## AIR PRE-CLEANER ASSEMBLY 7

USAGE: See page 107



T-72430

ITEM	PART NO.	QTY.	DESCRIPTION
1	70651268	1	COVER
2	70651270	1	BOWL, sediment (clear plastic)
3	70650386	1	SLEEVE ASSY. (Includes stud)



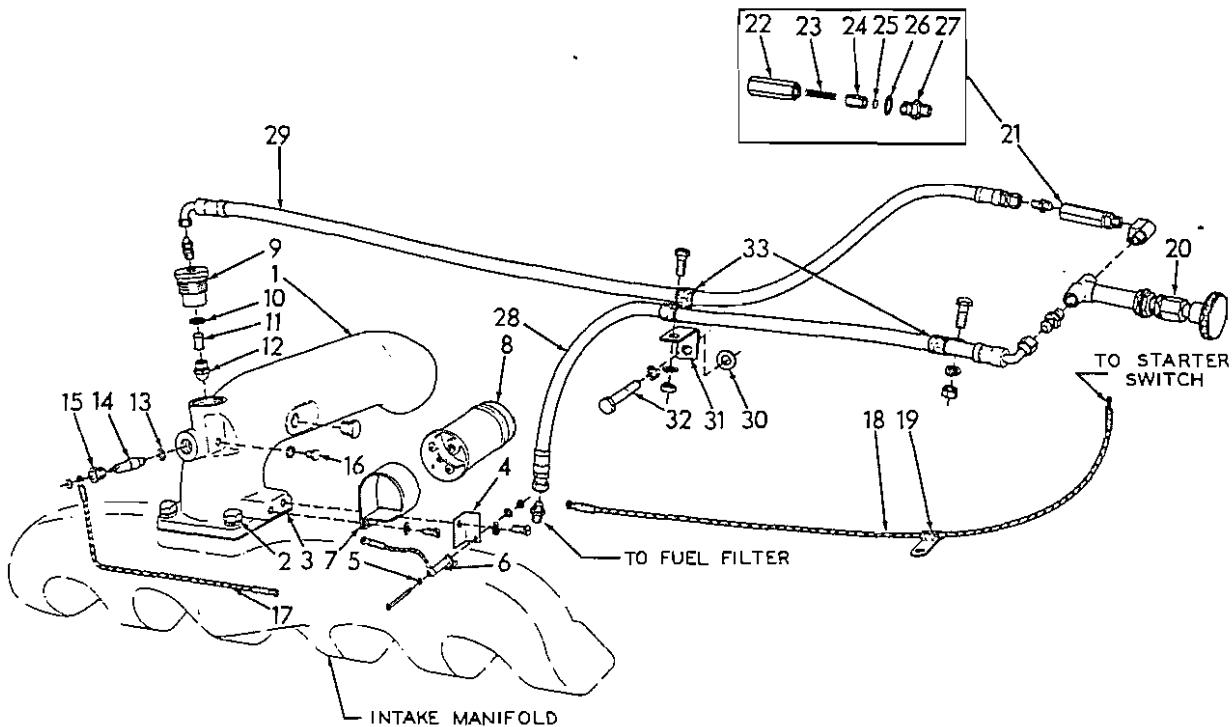
— ENGINE PRIMER —

T-27374

USAGE: Special equipment. For all units except those equipped with Air Heater.

ITEM PART NO. QTY. DESCRIPTION

1	70075771	1	DISPENSER ASSEMBLY, priming fuel (See page 112 for parts)
	70913706	4	CAPSCREW, #10-24NC x 1"
	70904203	4	LOCKWASHER, #10
	70901310	4	NUT, #10-24NC
2	70066261	6	GASKET, dispenser mounting
3	70092160	1	PUMP ASSEMBLY (See page 113 for parts)
4	-----	1	TUBE (Order item 8)
	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
5	-----	1	TUBE (Order item 8)
	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
6	70066517	1	ELBOW ASSEMBLY, fuel spray (Includes nozzle, nut and sleeve) Serviced only as a unit)
7	70660852	1	BRACKET, dispenser mounting (Tractors # 13368 and up)
	70035439	2	CAPSCREW, 3/8"NC x 1"
	70044973	2	WASHER, plain
	70904206	2	LOCKWASHER, 3/8"
	70911026	2	NUT, 3/8"NC
8	70066253	1	TUBING, copper, 1/8"O. D., 10 ft. roll (Use as required)



**AIR HEATER**

T-41896

**USAGE:** Special equipment. Supplied on early units only.

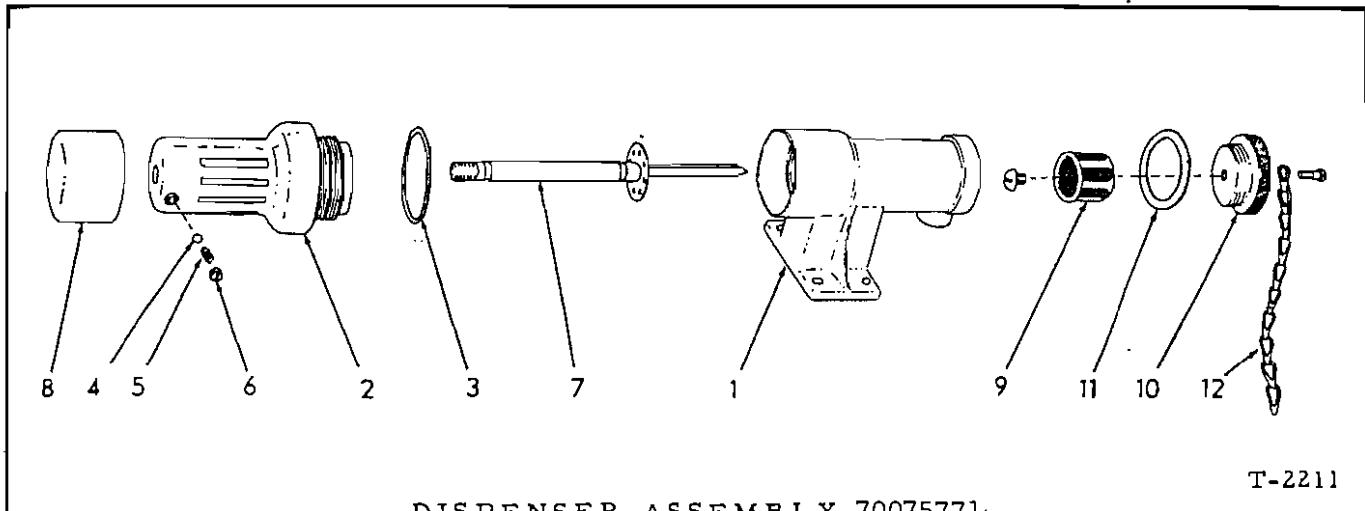
**ITEM PART NO. QTY. DESCRIPTION**

1	70644476 70919840	1 1	ELBOW, air intake (Replaces standard ELBOW 74339585) PLUG, pipe, hex-hd., 1/4"NPT
2	70919230	4	CAPSCREW, 1/2"NC x 1-3/8"
	70904208	4	LOCKWASHER, 1/2"
3	70084868	1	GASKET, air intake elbow
4	70644133	1	BRACKET, resistor mounting
5	70631198	1	WASHER, insulating
6	70630830 70915922 70915923 70907154	1 1 1 1	RESISTOR SCREW, machine, #8-32 x 2-1/4" LOCKWASHER, external teeth, #8 NUT, #8-32
7	70631199 70912226 70904204	1 2 2	BRACKET, ignition coil mounting SCREW, machine, fil-hd., 1/4"NC x 5/8" LOCKWASHER, 1/4"
8	70097026	1	COIL, ignition (Serviced only as a unit)
9	70088038	1	BUSHING, spray nozzle
10	70630787	1	WASHER, spray nozzle
11	70631225	1	STRAINER ASSEMBLY, spray nozzle (1 body and 1 screen)

(Continued)

## AIR HEATER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
12	70631224	1	NOZZLE ASSEMBLY, spray (Includes item 11)
13	70631566	1	GASKET, insulator
14	70631226	1	INSULATOR PACKAGE (Includes terminal nut and item 13)
15	70630828	1	NUT, insulator retaining
16	70630827 70904204	1	SCREW ASSEMBLY, electrode (1 screw and 1 electrode) LOCKWASHER, 1/4"
17	70095860	1	CABLE, coil to insulator
18	70644225	1	CABLE, switch to coil
19	70639388	1	CLIP, supporting, switch cable (1/8" diam., 13/32" bolt-hole)
20	70092160 70915399	1	PUMP ASSEMBLY (See page 113 for parts) ELBOW, street, brass, 90°, 1/8"NPT
21	70094642	1	VALVE ASSEMBLY, check (Consists of items 22 thru 27)
22	70094890	1	BODY, check valve
23	70048603	1	SPRING, check valve
24	70048608	1	PLUNGER, check valve
25	70048606	1	DISC, check valve
26	70630713	1	WASHER, check valve
27	70092793	1	CONNECTOR, check valve
28	70644682 70919171	1	HOSE, fuel filter to pump (See HOSE PARTS) 2 CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
29	70644213 70919171	1	HOSE, pump to nozzle (See HOSE PARTS) 2 CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
30	70044973	1	WASHER, spacing, supporting angle
31	70638834	1	ANGLE, hose and cable supporting
32	70058936 70904206	1	CAPSCREW, 3/8"NC x 2-3/4" (Replaces standard capscrew on engine breather) 1 LOCKWASHER, 3/8"
33	70094527 70036032 70035167 70904206 70911041	3 1 1 2 2	CLIP, hose supporting CAPSCREW, 3/8"NF x 3/4" CAPSCREW, 3/8"NF x 7/8" LOCKWASHER, 3/8" NUT, 3/8"NF



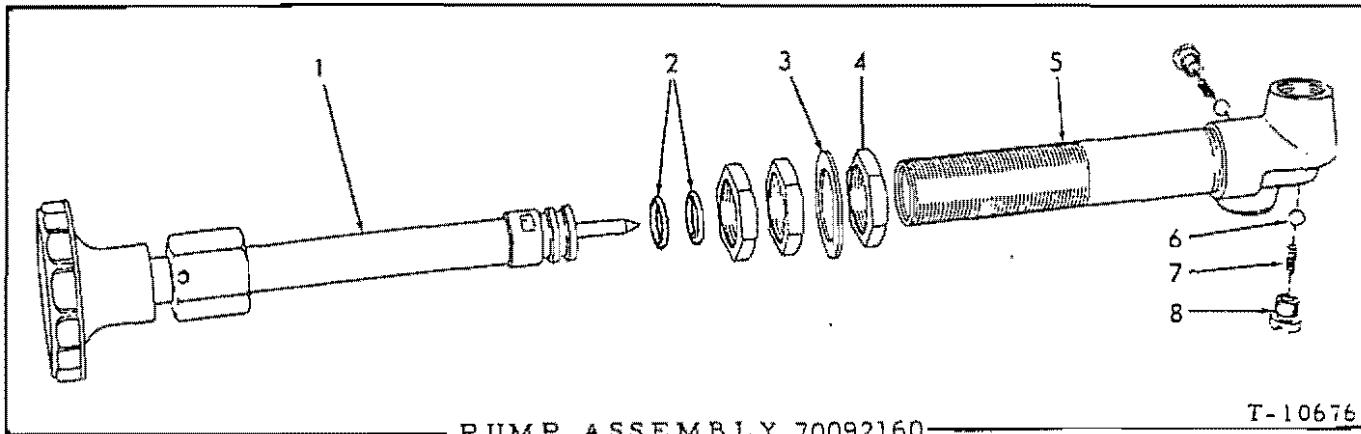
T-2211

DISPENSER ASSEMBLY 70075771

USAGE: See page 109

ITEM PART NO. QTY. DESCRIPTION

1	70068878	1	BODY, fuel dispenser
2	70068879	1	CHAMBER, fuel dispenser
3	70069164	1	GASKET, fuel dispenser chamber
4	70905357	1	BALL, steel, 3/16" diam.
5	70066251	1	SPRING, plunger locking ball
6	70066252	1	PLUG, retaining, locking ball spring
7	70066255	1	PLUNGER, fuel dispenser
8	70068881	1	KNOB, fuel dispenser plunger
9	70068875 70915432	1	STRAINER, fuel dispenser
		1	SCREW, machine, 1/4"NC x 5/16"
10	70075770	1	PLUG, fuel dispenser strainer
11	70068876	1	GASKET, fuel dispenser strainer plug
12	70075769 70901781	1	CHAIN, strainer plug retaining
		1	SCREW, machine, fil-hd., #10-32NF x 1/2"

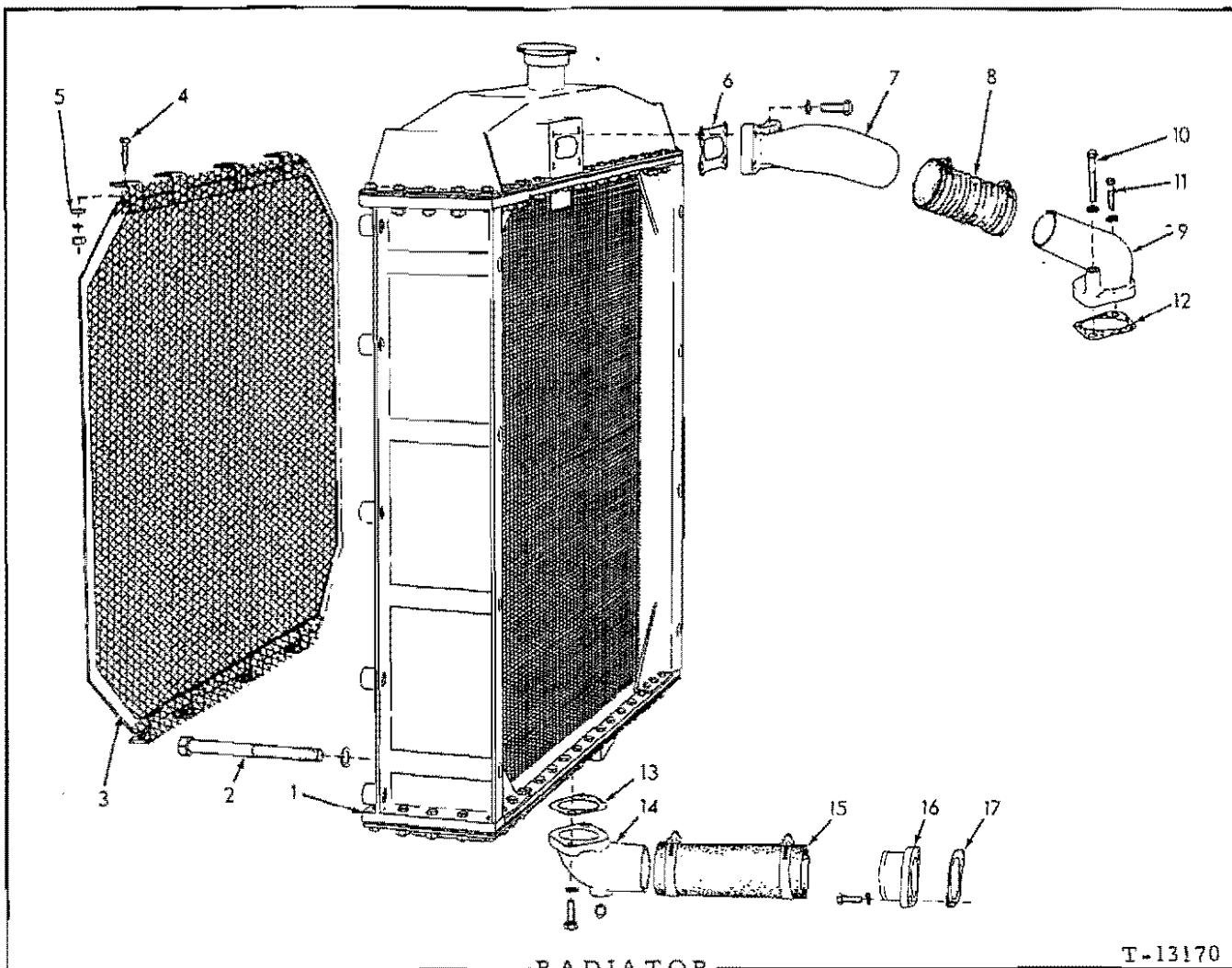


T-10676

USAGE: See 109 and 110

ITEM PART NO. QTY. DESCRIPTION

1 -----	1	PISTON ASSEMBLY (Not serviced separately)
2 70923560	2	O-RING, plunger
3 70066873	1	WASHER, mounting
4 70066872	3	NUT, mounting
5 -----	1	BARREL ASSEMBLY (Not serviced separately)
6 70066876	2	BALL, check valve (5/32" diam.)
7 70066875	2	SPRING, check valve
8 70066874	2	RETAINER, check valve



RADIATOR

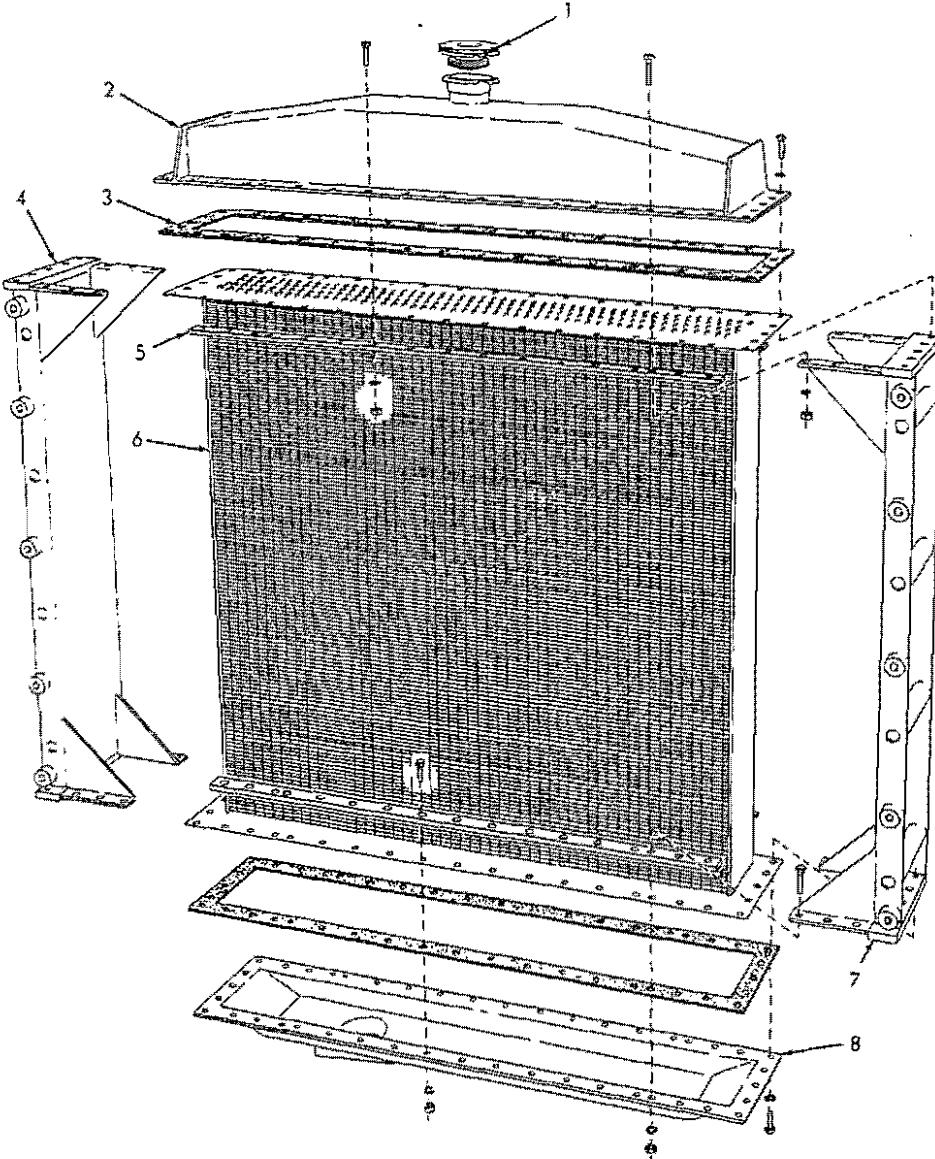
T-13170

ITEM	PART NO.	QTY.	DESCRIPTION
1	70645482	1	RADIATOR ASSY. (Staggered tubes. Copper-finned)(Standard equipment on Tractors prior to #14010)
	70668819	1	RADIATOR ASSY. (Canted tubes. Steel-finned)(Standard equipment on Tractors #14010 and up)
	70645733	1	RADIATOR ASSY. (Special equipment. Has in-line tubes to minimize clogging)
	70645782	1	RADIATOR ASSY. (Special equipment. Has armored tubes at rear of core)
2	70065468 70904209	8 8	CAPSCREW, 5/8"NF x 8-1/4" LOCKWASHER, 5/8"
NOTE: See page 116 for radiator parts			
3	70645913	1	SCREEN, radiator (Special equipment. Used with suction fan only)
4	70046321	8	CAPSCREW, 5/16"NC x 1-1/2"
5	70092665 70904205 70911025	8 8 8	WASHER, plain LOCKWASHER, 5/16" NUT, 5/16"NC
6	70084888	1	GASKET, radiator inlet elbow
7	70084042 70916197 70904207	1 4 4	ELBOW, radiator inlet CAPSCREW, 7/16"NC x 1-1/4" LOCKWASHER, 7/16"

(Continued)

RADIATOR (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
8	70088349 70921913	1 2	HOSE, radiator inlet (4-1/2" long) CLAMP, hose, adjustable, 1-7/8" to 2-3/4" diam.
9	70634244	1	ELBOW, engine water outlet
10	70088736	1	CAPSCREW, 7/16"NC x 3"
11	70043886 70904207	1 2	CAPSCREW, 7/16"NC x 1" LOCKWASHER, 7/16"
12	74300145	1	□GASKET, engine water outlet elbow
13	74310257	1	GASKET, radiator outlet elbow
14	70084010 70901652 70916197 70904207	1 1 2 2	ELBOW, radiator outlet PLUG, pipe, 1/4"NPT CAPSCREW, 7/16"NC x 1-1/4" LOCKWASHER, 7/16"
15	70634378 70921914	1 2	HOSE, radiator outlet CLAMP, hose, adjustable, 2-5/16" to 3-1/4" diam.
16	74347872 70916271 70904206	1 2 2	PIPE, engine water inlet CAPSCREW, 3/8"NC x 1" LOCKWASHER, 3/8"
17	74346456	1	□GASKET, water inlet pipe



**RADIATOR PARTS**

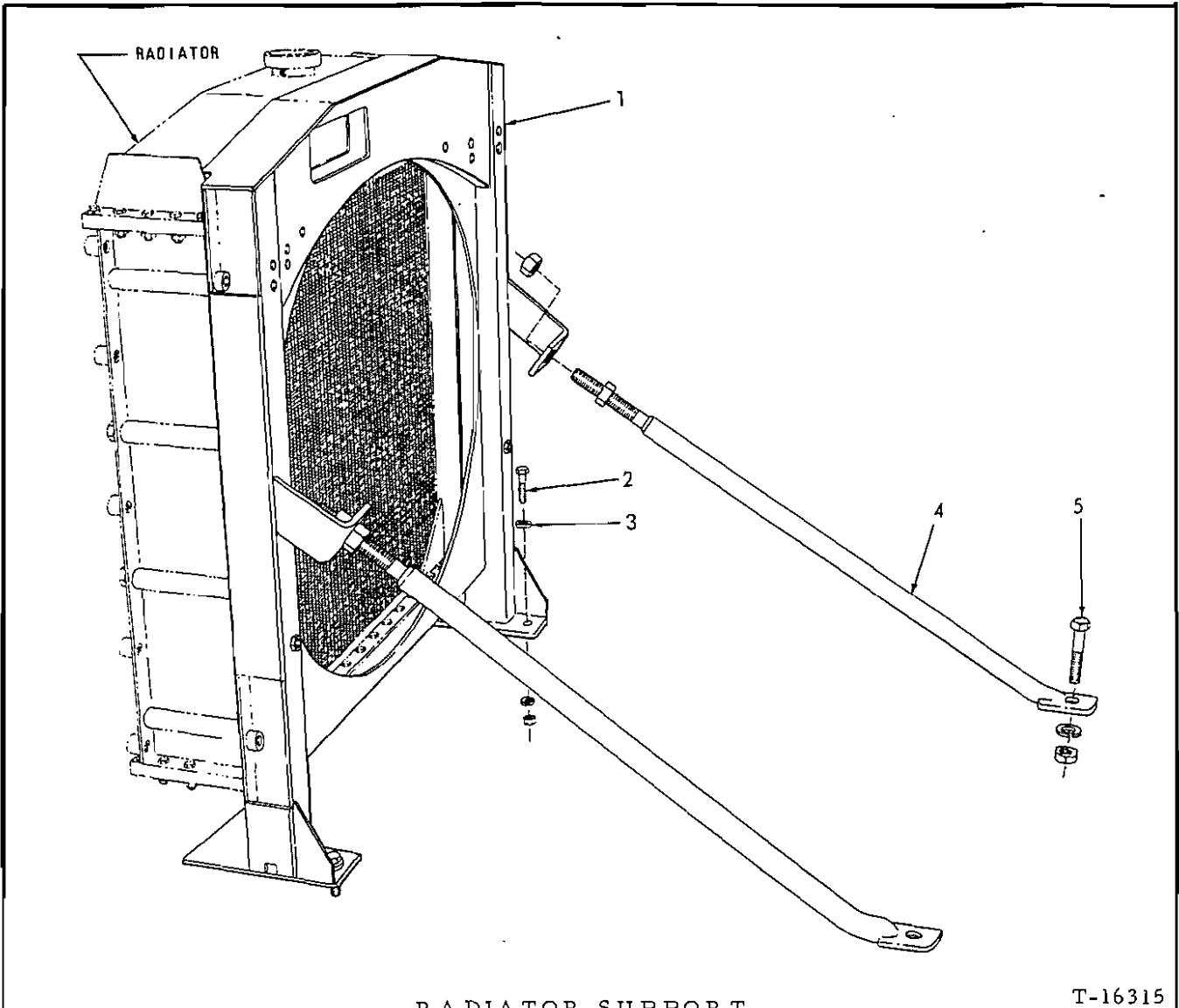
T-13169

ITEM	PART NO.	QTY.	DESCRIPTION
1	70087528	1	CAP, pressure
2	70645948	1	TANK, top
	70903772	26	CAPSCREW, 5/16"NC x 1"
	70903773	18	CAPSCREW, 5/16"NC x 1-1/4"
	70904205	44	LOCKWASHER, 5/16"
	70911025	38	NUT, 5/16"NC
3	70645951	2	GASKET, core
4	70638792	1	SIDE, radiator core, right
5	70645950	4	CLAMP, radiator core flange

(Continued)

RADIATOR PARTS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
6	70645952	1	CORE (Staggered tubes. Copper-finned)(Used on Tractors prior to #14010)
	70668818	1	CORE (Canted tubes. Steel-finned)(Standard on Tractors #14010 and up)
	70645953	1	CORE (In-line core tubes)
	70645954	1	CORE (Armored)
	70665195	1	CORE (Heavy in-line type for severe-service applications)
	70638791	1	SIDE, radiator core, left
8	70645949	1	TANK, bottom
	70903772	26	CAPSCREW, 5/16"NC x 1"
	70903773	18	CAPSCREW, 5/16"NC x 1-1/4"
	70904205	44	LOCKWASHER, 5/16"
	70911025	40	NUT, 5/16"NC



RADIATOR SUPPORT

T-16315

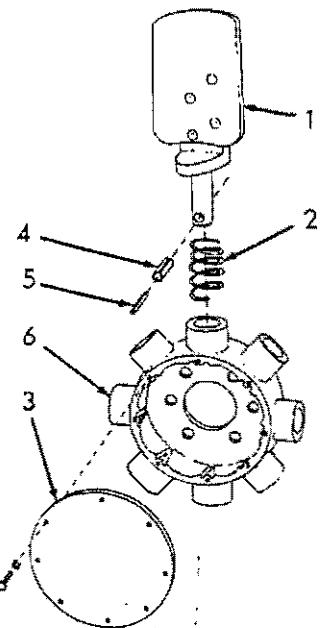
ITEM	PART NO.	QTY.	DESCRIPTION
1	70648286	1	SUPPORT, radiator
2	70916314	4	CAPSCREW, 1/2"NC x 2"
3	70064531	4	WASHER, plain
	70904208	4	LOCKWASHER, 1/2"
	70911028	4	NUT, 1/2"NC
4	70634101	2	BRACE
	70911046	4	NUT, 7/8"NC
5	70918061	2	CAPSCREW, 3/4"NC x 3-1/4"
	70904369	2	LOCKWASHER, 3/4"
	70911030	2	NUT, 3/4"NC

REVERSIBLE FAN PARTS  
("Huber")

USAGE: See page 121

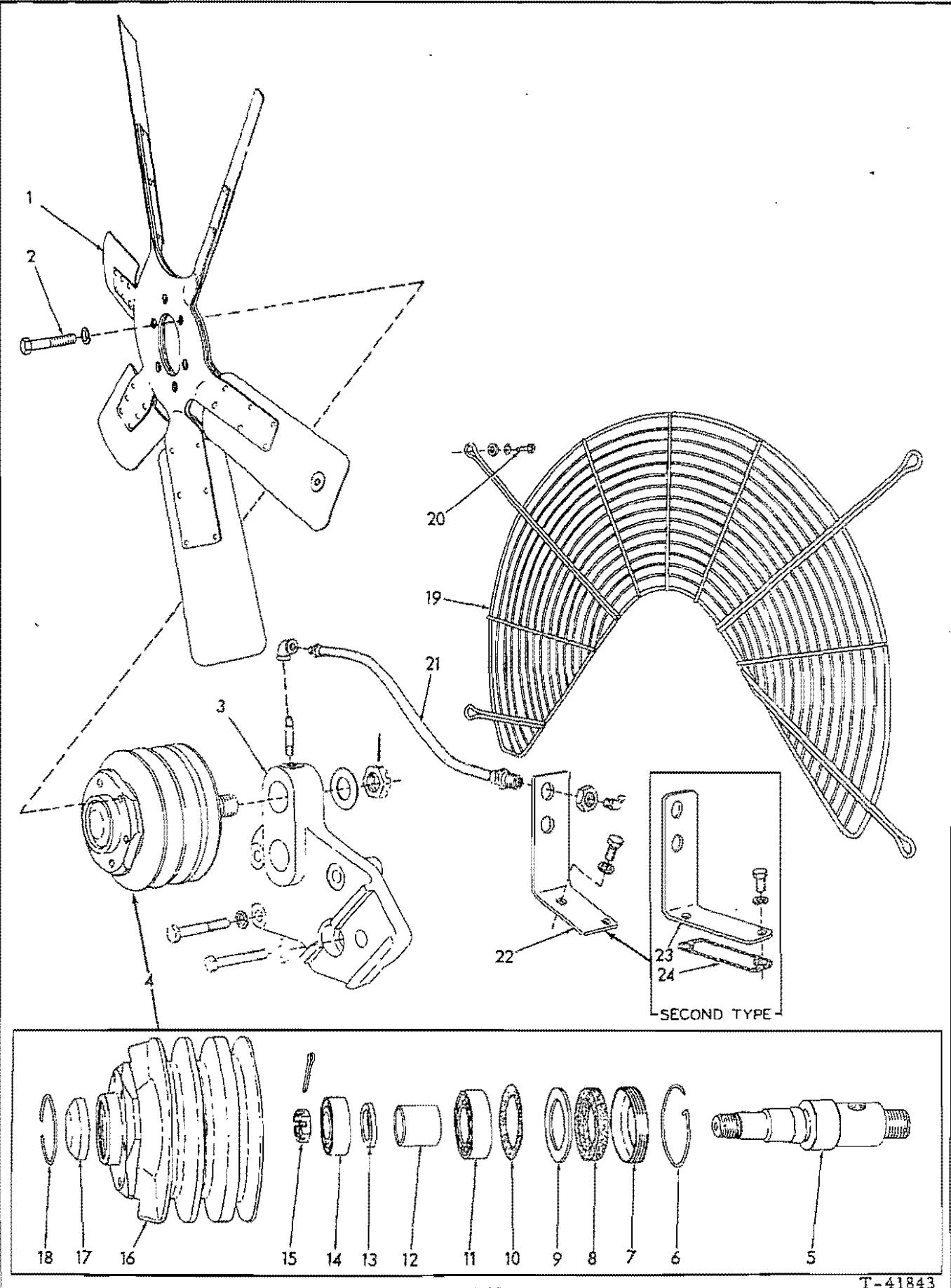
ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	8	BLADE (See NOTE below)
2	70668595	8	SPRING
3	70668594	1	COVER, dust
	70926339	8	CAPSCREW, #10-24 x 5/16" (Includes lock- washer)
4	70918623	8	PIN, blade retaining, outer
5	70927229	8	PIN, blade retaining, inner
6	-----	1	HUB (See NOTE below)

NOTE: Blade and Hub re-  
placement require  
precision balancing.  
Return complete fan  
to HUBER RE-  
VERSIBLE FAN CO.,  
2103 Hershey Rd.,  
Erie Pa. 16509.



T-75580

(Revised May 1979)

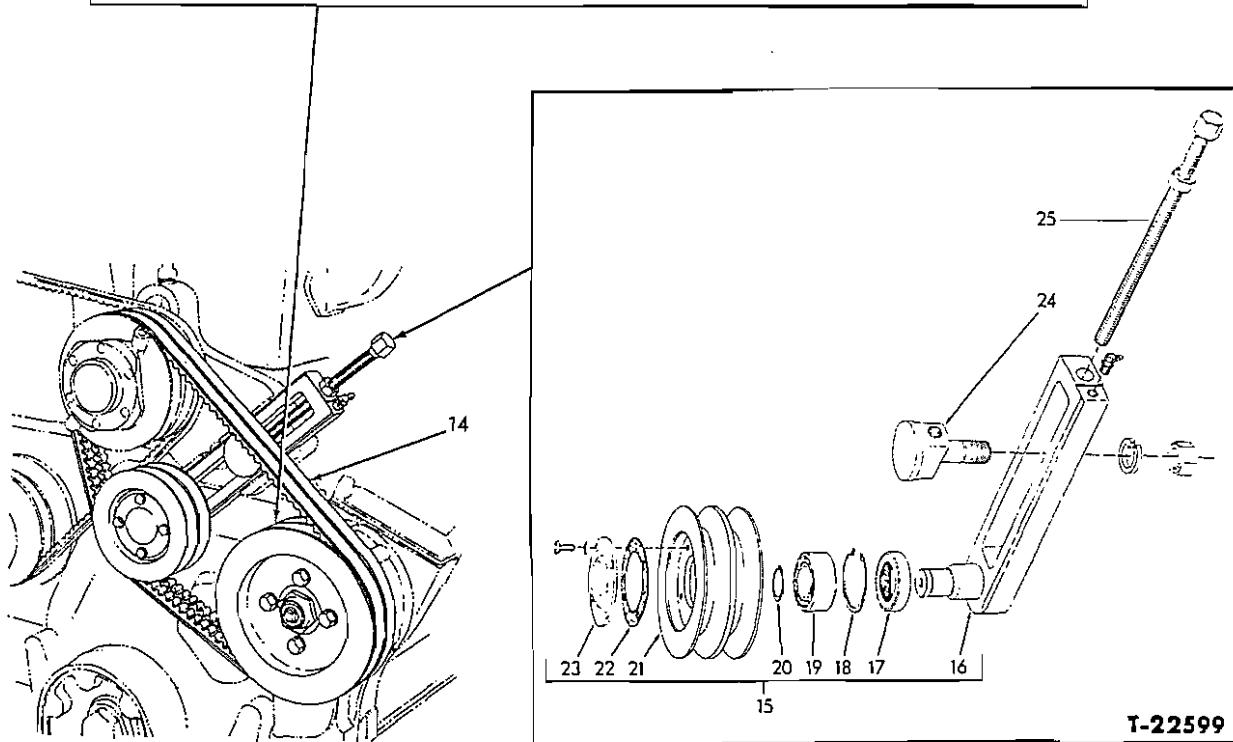
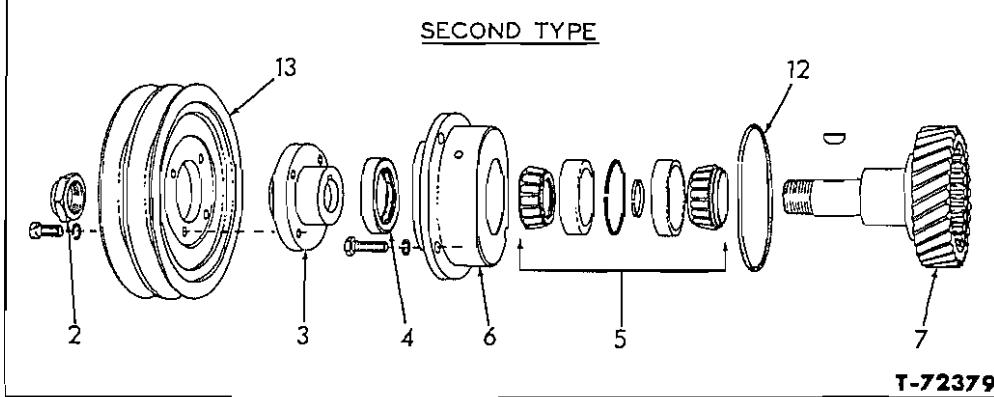
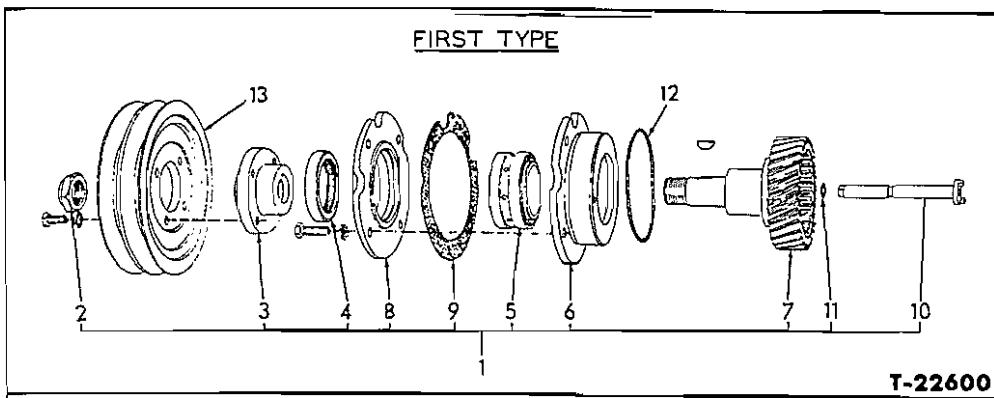


FAN

T-41843

## FAN

ITEM	PART NO.	QTY.	DESCRIPTION
			<u>NOTE:</u> See FAN DRIVE for fan belt
1	70648753 70648754 70666516	1 1 1	FAN, push type (Standard equipment) FAN, suction type (Optional) FAN ASSEMBLY, reversible (Optional) (See page 119 for parts)
2	70035439 70904206	6 6	CAPSCREW, 3/8"NC x 1" LOCKWASHER, 3/8"
3	74359727 70915969 70904208 70913432	1 4 3 1	BRACKET, fan mounting CAPSCREW, 1/2"NC x 3" LOCKWASHER, 1/2" WASHER, plain
4	74337728 70911174 70911159 70915946	1 1 1 1	HUB ASSEMBLY (Consists of items 5 thru 18) NUT, jam, slotted, 1"NF WASHER, plain, SAE std., 1" PIN, roll, 5/32" x 1-1/4"
5	74336521	1	SPINDLE
6	74371707	1	LOCKWIRE, fan hub
7	74040386	1	RETAINER, spindle sealing washer
8	74040385	1	WASHER, spindle sealing (cork)
9	74040384	1	WASHER, retaining, rear bearing
10	74640976	1	GASKET, bearing retaining washer
11	74253863	1	BEARING, ball, rear
12	74040383	1	SPACER, spindle bearings
13	74640978	1	WASHER, spacing, front bearing
14	74253862	1	BEARING, ball, front
15	74348502 70911064	1 1	NUT, spindle PIN, cotter, 1/8" x 1-3/8"
16	74337729	1	HUB, fan
17	70088561	1	CAP, hub
18	74042081	1	RING, snap, cap retaining
19	70645536	1	GUARD, fan (Not used with special suction fan)
20	70035439 70044973 70904206	4 4 4	CAPSCREW, 3/8"NC x 1" WASHER, plain LOCKWASHER, 3/8"
21	74336526 70915405 70901676 70915274 70911049	1 1 1 1 1	HOSE, lubricating (14-1/2" long) NIPPLE, pipe, 1/8"NPT x 1-3/4" ELBOW, pipe, 1/8"NPT FITTING, lubricating, 45°, 1/8"NPT NUT, jam, 5/8"NF
22	74336523 70915408 70904206	1 1 1	BRACKET, lubricating hose (Tractors prior to #12201) CAPSCREW, 3/8"NC x 3/4" LOCKWASHER, 3/8"
23	74339769 70916269 70904206	1 2 2	BRACKET, lubricating hose CAPSCREW, 3/8"NC x 7/8" LOCKWASHER, 3/8" } Tractors #12201 and up
24	74354304	1	GASKET, lubricating hose bracket }

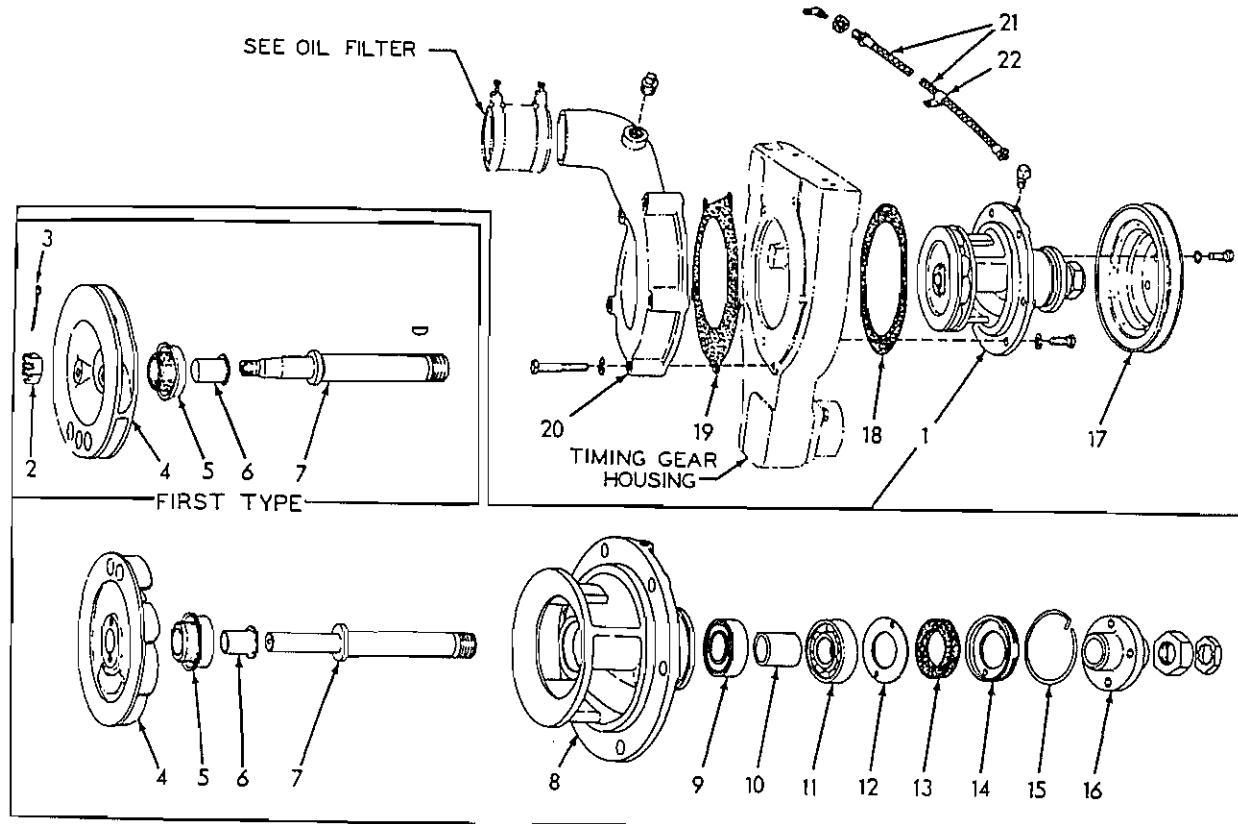


FAN DRIVE

**T-72396**

\* Tractors prior to serial No. 12201  
 \*\* Tractors serial No. 12201 and up

ITEM	PART NO.	QTY.	* ** DESCRIPTION
1	74337416	1	DRIVE ASSEMBLY (Consists of items 2 thru 11)
	70916272	4	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	4	LOCKWASHER, 3/8"
2	74335476	1	NUT, flange retaining
3	{ 74336257	1	FLANGE, pulley mounting
	74354337	1	FLANGE, pulley mounting
4	{ 74349736	1	SEAL, oil
	74255587	1	SEAL, oil
5	{ 74253825	1	BEARING, roller } Serviced only as a unit
	74357289	1	BEARING, roller
6	{ 74349014	1	RETAINER, bearing
	74339901	1	RETAINER, bearing
	70916271	4	CAPSCREW, 3/8"NC x 1-1/8"
	70904206	4	LOCKWASHER, 3/8"
7	{ 74359990	1	GEAR, fan drive
	74339658	1	GEAR, fan drive
	70917755	1	KEY, #91 woodruff, 1/4" x 3/4"
8	74349674	1	FLANGE, seal retaining
9	74349011	1	GASKET, seal retaining flange
10	-----	1	SHAFT, pump timing } See INJECTION PUMP
11	-----	1	O-RING, pump timing shaft
12	{ 70923589	1	□O-RING, drive mounting
	70923820	1	□O-RING, drive mounting
13	74359936	1	PULLEY, fan drive
	70916225	4	CAPSCREW, 3/8"NF x 1"
	70904206	4	LOCKWASHER, 3/8"
14	74337757	2	BELT, fan drive (Supplied in matched sets)
15	74349660	1	IDLER ASSEMBLY, belt tightening (Consists of items 16 thru 23)
16	74336587	1	SLIDE, fan idler
	70915275	1	FITTING, lubricating, 65°, 1/8"NPT
17	74254670	1	SEAL, oil
18	74254100	1	RING, snap, rear
19	74255031	1	BEARING, ball
20	74253555	1	RING, snap, front
21	74349662	1	PULLEY
22	74347752	1	GASKET, pulley cover
23	74347751	1	COVER, pulley
	70915343	4	CAPSCREW, 1/4"NC x 5/8"
	70904204	4	LOCKWASHER, 1/4"
24	74349666	1	BOLT, clamping, fan idler slide
	70904369	1	LOCKWASHER, 3/4"
	70910175	1	NUT, 3/4"NF
25	74349667	1	CAPSCREW, fan belt adjustment
	70910325	1	NUT, 1/2"NC



T-27396

WATER PUMP

\*Engines prior to serial No. 11-14220      } Ceramic seal is  
 \*\*Engines serial No. 11-14220 and up      } bonded to impeller  
 \*\*\*Service replacement (Ceramic seal  
 is separate)(Not illustrated)

ITEM	PART NO.	QUANTITY	DESCRIPTION
		*	***
<u>NOTE: See GENERATOR for listing of driving belt</u>			
1	-----	1	- - PUMP ASSY. (Order 74322027)
	-----	-	1 - PUMP ASSY. (Order 74322027)
	74322027	-	- 1 PUMP ASSY.
	70916271	6	6 6 CAPSCREW, 3/8"NC x 1"
	70904206	6	6 6 LOCKWASHER, 3/8"
2	74375686	1	- - NUT, impeller retaining
3	74041097	1	- - PIN, cotter, impeller nut
4	74339103	1	- - IMPELLER ASSY. (Includes ceramic insert)
	-----	-	- 1 - IMPELLER ASSY. (Order item 24)

(Continued)

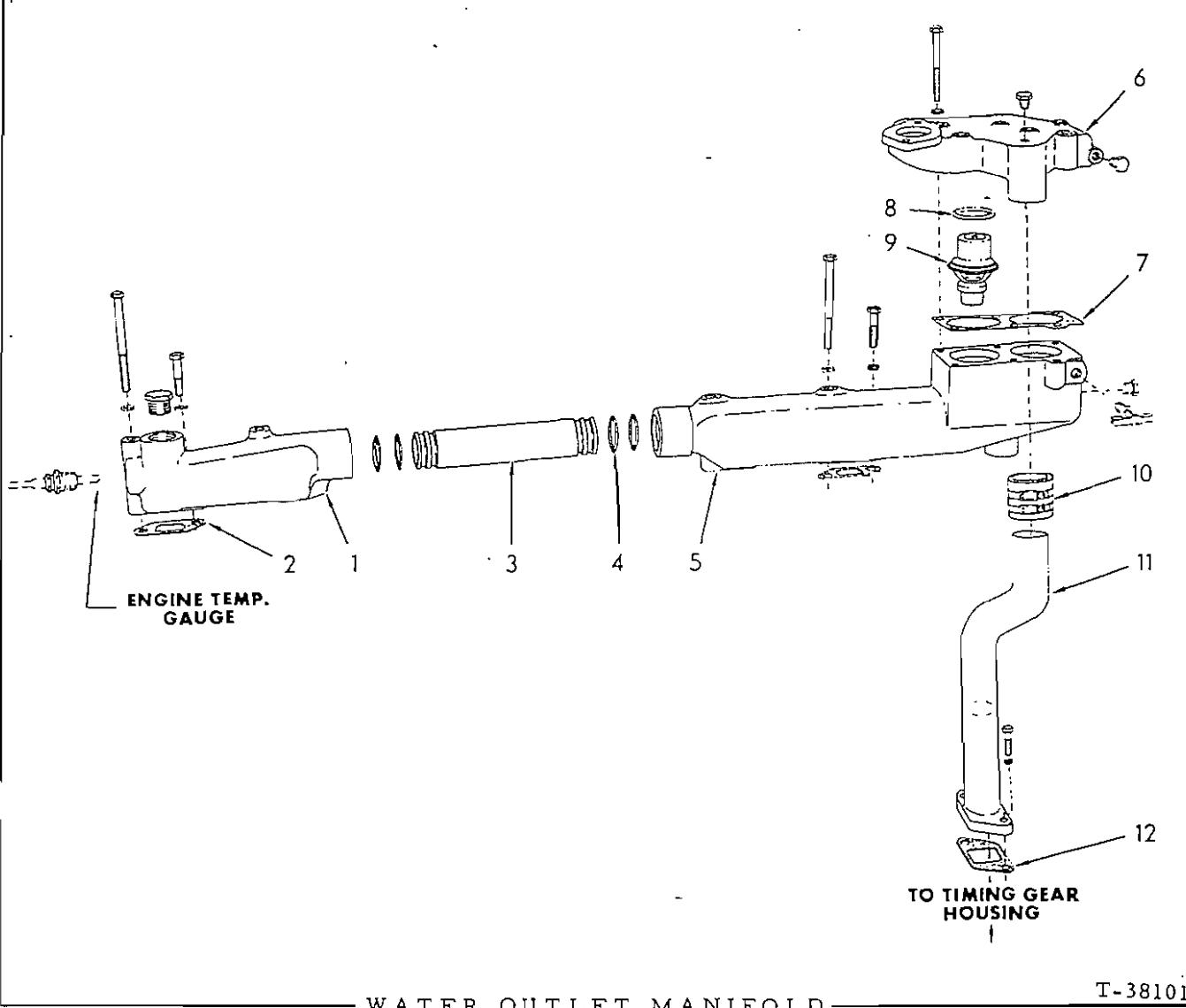
(Revised May 1979)

## WATER PUMP (Continued)

ITEM	PART NO.	QUANTITY	DESCRIPTION		
			*	**	***
5	74507091	1	1	-	SEAL ASSY. (Serviced only as a unit)
	74062272	-	-	1	<input type="checkbox"/> SEAL ASSY. (Serviced only as a unit)
6	74507084	1	1	1	FLINGER, water
7	74348757	1	-	-	SHAFT ASSY. (Includes item 6)
	70905121	1	-	-	KEY, #5 woodruff, 1/8" x 5/8"
	74358788	-	1	1	SHAFT ASSY.
8	-----	1	1	1	BODY, water pump (Order item 1)
9	74044212	1	1	1	BEARING, ball, rear
10	74044211	1	1	1	SPACER, bearing
11	74044210	1	1	1	BEARING, ball, front
12	74044209	1	1	-	WASHER, retaining
13	74348825	1	1	-	WASHER, sealing
	74321697	-	-	1	SEAL
14	74335320	1	1	-	RETAINER, sealing washer
15	74053968	1	1	-	RING, snap sealing washer retainer
	70927801	-	-	1	RING, retaining
16	74335808	1	-	-	FLANGE, driving pulley
	74358800	-	1	1	FLANGE, driving pulley
	70910847	1	1	1	NUT, 3/4"NF
	70917680	1	1	1	NUT, Pal locking, 3/4"
17	74339503	1	1	1	PULLEY
	70916206	4	-	-	CAPSCREW, 5/16"NF x 7/8" (Early units)
	70911169	4	4	4	CAPSCREW, 5/16"NF x 5/8" (Late units)
	70904205	4	4	4	LOCKWASHER, 5/16"
18	74346744	1	1	1	<input type="checkbox"/> GASKET, water pump
19	74335056	1	1	1	<input type="checkbox"/> GASKET, water pump volute
20	74321713	1	1	1	VOLUTE
	70920131	1	1	1	PLUG, pipe, 3/8"NPT
	70916274	5	5	-	CAPSCREW, 3/8"NC x 2-1/4"
	70915990	-	-	5	CAPSCREW, 3/8"NC x 2-3/4"
	70904206	5	5	5	LOCKWASHER, 3/8"
21	74336527	1	1	1	HOSE, lubricating
	70914463	1	1	1	ADAPTER, 90°, 1/8"NPT male female
	70915274	1	1	1	FITTING, lubricating, 45°, 1/8"NPT
	70911049	1	1	1	NUT, jam, 5/8"NF
22	74251849	1	1	1	CLIP, hose supporting
24	74062270	-	1	1	Impeller and Seal Kit (Includes item 4 and 5)

 Component of item 24

(Revised May 1979)



WATER OUTLET MANIFOLD

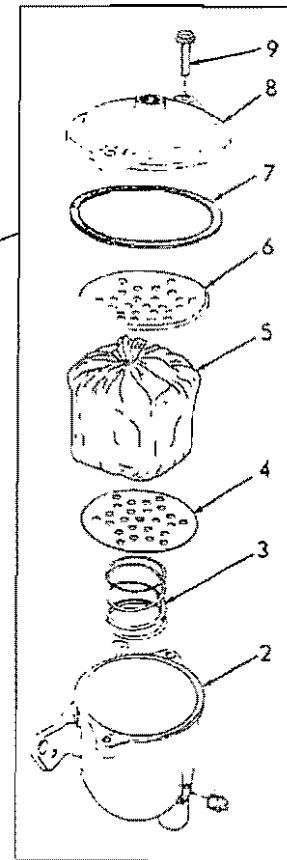
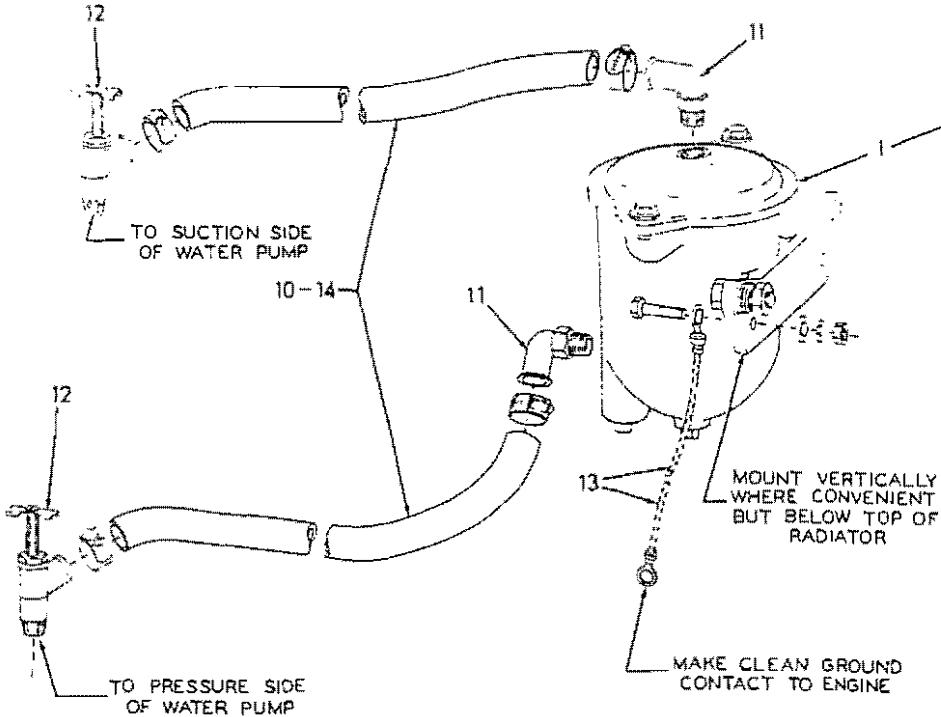
T-38101

ITEM	PART NO.	QTY.	DESCRIPTION
1	74336506 70920525 70914847 70916275 70904206	1 1 2 2 4	MANIFOLD, water outlet, rear PLUG, pipe, hex-hd., 3/4"NPT CAPSCREW, 3/8"NC x 1-1/2" CAPSCREW, 3/8"NC x 3-3/4" LOCKWASHER, 3/8"
2	74336182	4	□GASKET, water manifold
3	74336156	1	TUBE, water manifold connecting
4	70923813	4	□O-RING, water manifold connecting tube
5	74338243 70920333 70914847 70916275 70904206 70912415	1 1 2 2 4 1	MANIFOLD, water outlet, front PLUG, hex-hd., 3/8"NPT CAPSCREW, 3/8"NC x 1-1/2" CAPSCREW, 3/8"NC x 3-3/4" LOCKWASHER, 3/8" COCK, T-handle, 1/4"NPT (air venting)

(Continued)

## WATER OUTLET MANIFOLD (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
6	74358754	1	HOUSING ASSY., thermostat (Includes item 8)
	70919840	2	PLUG; pipe, hex-hd., 1/4"NPT
	70919227	2	CAPSCREW, 3/8"NC x 3-1/4"
	70904206	6	LOCKWASHER, 3/8"
7	74336263	1	□GASKET, thermostat housing
8	74317554	2	SEAL, thermostat
9	74354537	2	THERMOSTAT
10	74337602	1	HOSE, water by-pass pipe
	70925758	2	CLAMP, hose, 2-1/16" to 3" diam.
11	74338242	1	PIPE, water by-pass
	70916272	2	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	2	LOCKWASHER, 3/8"
12	74347031	1	□GASKET, water by-pass pipe



### COOLANT FILTER

T-74636

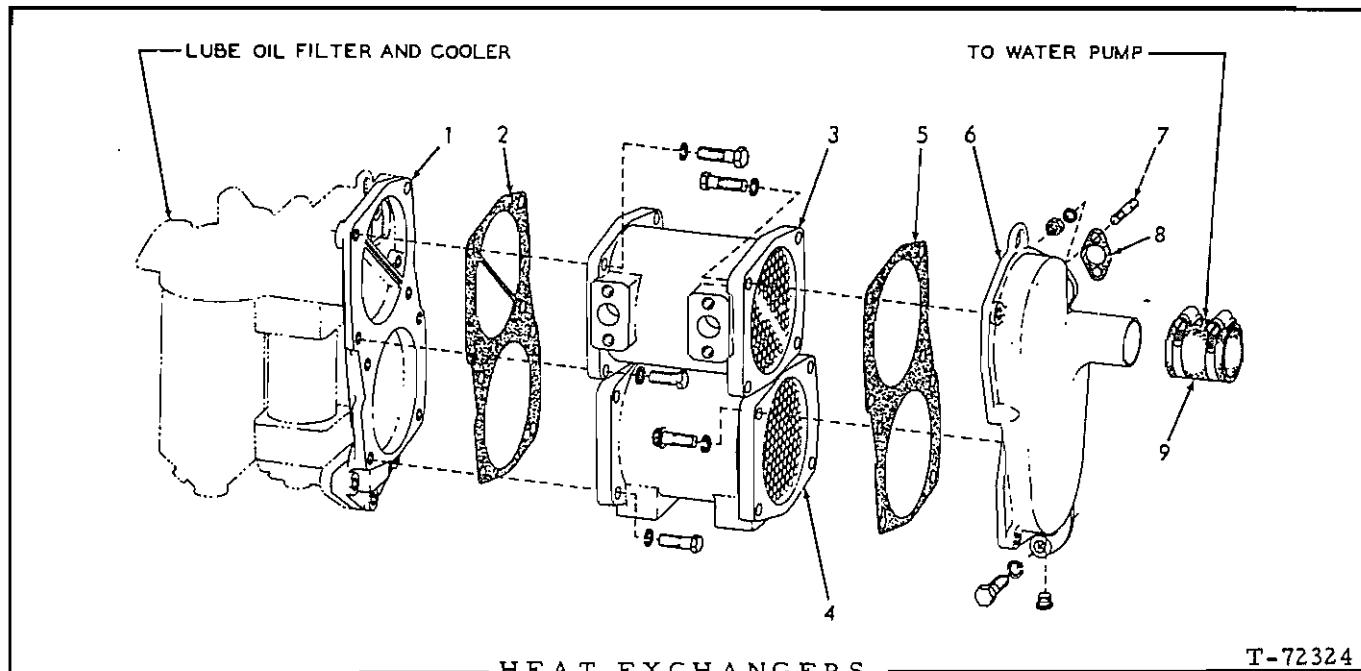
USAGE: Special equipment

ITEM	PART NO.	QTY.	DESCRIPTION
-	74357825	1	FILTER KIT (Consists of items 1 thru 13)
1	74387474	1	FILTER ASSEMBLY, water (Consists of items 2 thru 9. Has element for use with permanent anti-freeze)
	70916311	2	CAPSCREW, 1/2"NC x 1-1/4"
	70910244	2	WASHER, plain, SAE std., 1/2"
	70904208	2	LOCKWASHER, 1/2"
	70910325	2	NUT, 1/2"NC
	70914670	2	CAPSCREW, 5/16"NC x 1-1/8"
	70910335	2	WASHER, plain, SAE std., 5/16"
	70904205	2	LOCKWASHER, 5/16"
	70910323	2	NUT, 5/16"NC
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

(Continued)

**COOLANT FILTER (Continued)**

ITEM	PART NO.	QTY.	DESCRIPTION
5	74058830	1	ELEMENT KIT, filter (Includes item 9)(Cannot be used with permanent anti-freeze)
	74058831	1	ELEMENT KIT, filter (Includes item 9)(Can be used with permanent anti-freeze)
6	74055034	1	PLATE, filter element, upper
7	74054566	1	GASKET, filter cover
8	74055032	1	COVER, filter
9	74055033	2	BOLT ASSEMBLY, filter cover (Includes washer)
10	-----	1	HOSE (86" length. Cut to suit installation)(For service replacement order item 14)
	70921911	4	CLAMP, hose, 11/16" to 1-1/4" diam.
11	74255286	2	ELBOW, water hose (90°, 5/8" nipple, 3/8"NPT)
12	74255772	2	VALVE, water shut-off (90°, 5/8" nipple, 3/8"NPT)
13	74059367	1	CABLE, ground
14	70920722	-	HOSE, rubber, 5/8"I.D., 25 ft. roll (Use as required)

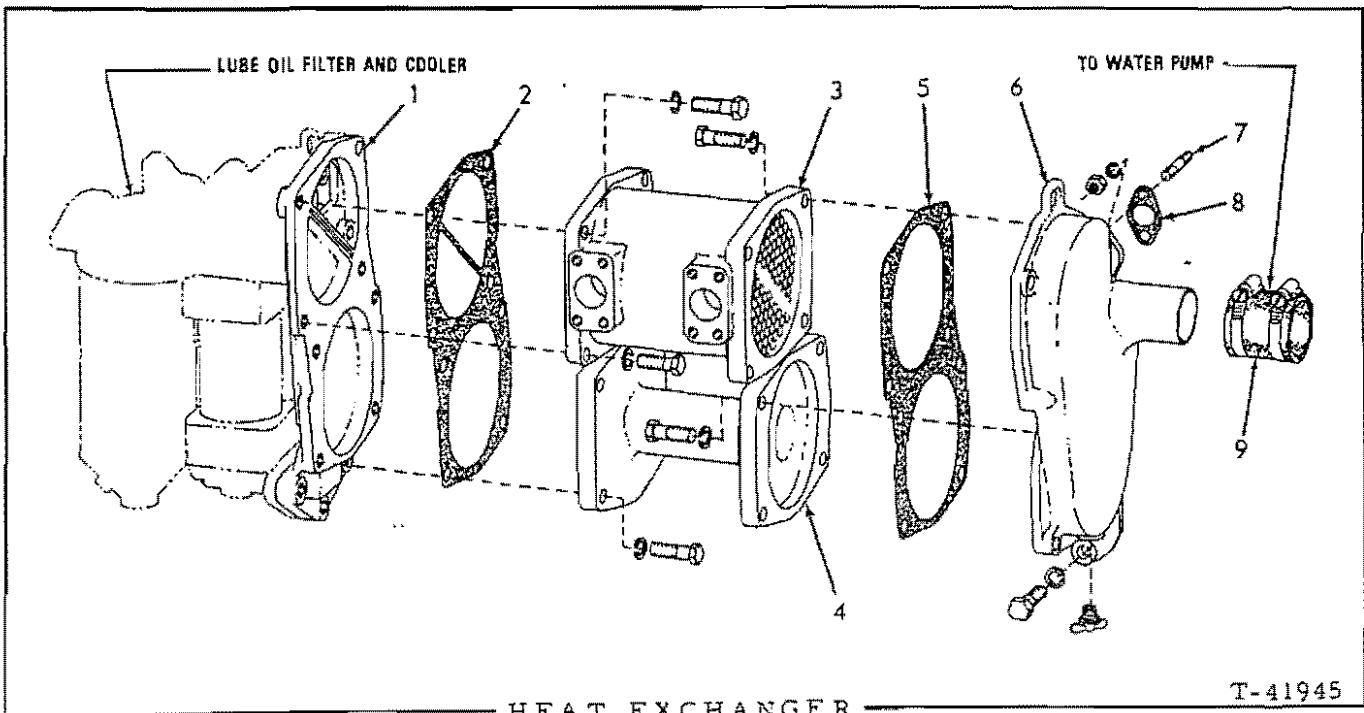


T-72324

USAGE: Tractors prior to serial No. 13367

ITEM PART NO. QTY. DESCRIPTION

1	74339116	1	COVER, rear
2	74339697	1	GASKET, rear cover
3	74339120 70916313 70904208 70916255 70904207 70922066	1 4 4 1 1 2	EXCHANGER, heat, torque converter oil CAPSCREW, 1/2"NC x 1-3/4" LOCKWASHER, 1/2" CAPSCREW, 7/16 "NC x 1-3/4" LOCKWASHER, 7/16" SCREW, 12-point, 1/2"NC x 1-3/4"
4	74339119 70916313 70904208 70922066	1 6 6 2	EXCHANGER, heat, transmission oil CAPSCREW, 1/2"NC x 1-3/4" LOCKWASHER, 1/2" SCREW, 12-point, 1/2"NC x 1-3/4"
5	74339698	1	GASKET, front cover
6	74339125 70919840 70921556 70904208	1 1 1 1	COVER, front PLUG, pipe, hex-hd., 1/4"NPT CAPSCREW, 1/2"NC x 2" LOCKWASHER, 1/2"
7	74514091 74115287 70904206	2 2 2	STUD, attaching, front cover NUT, 3/8"NF LOCKWASHER, 3/8"
8	74348185	1	GASKET, front cover to block
9	74506737 74253922	1 2	HOSE, water pump to cooler CLAMP, hose



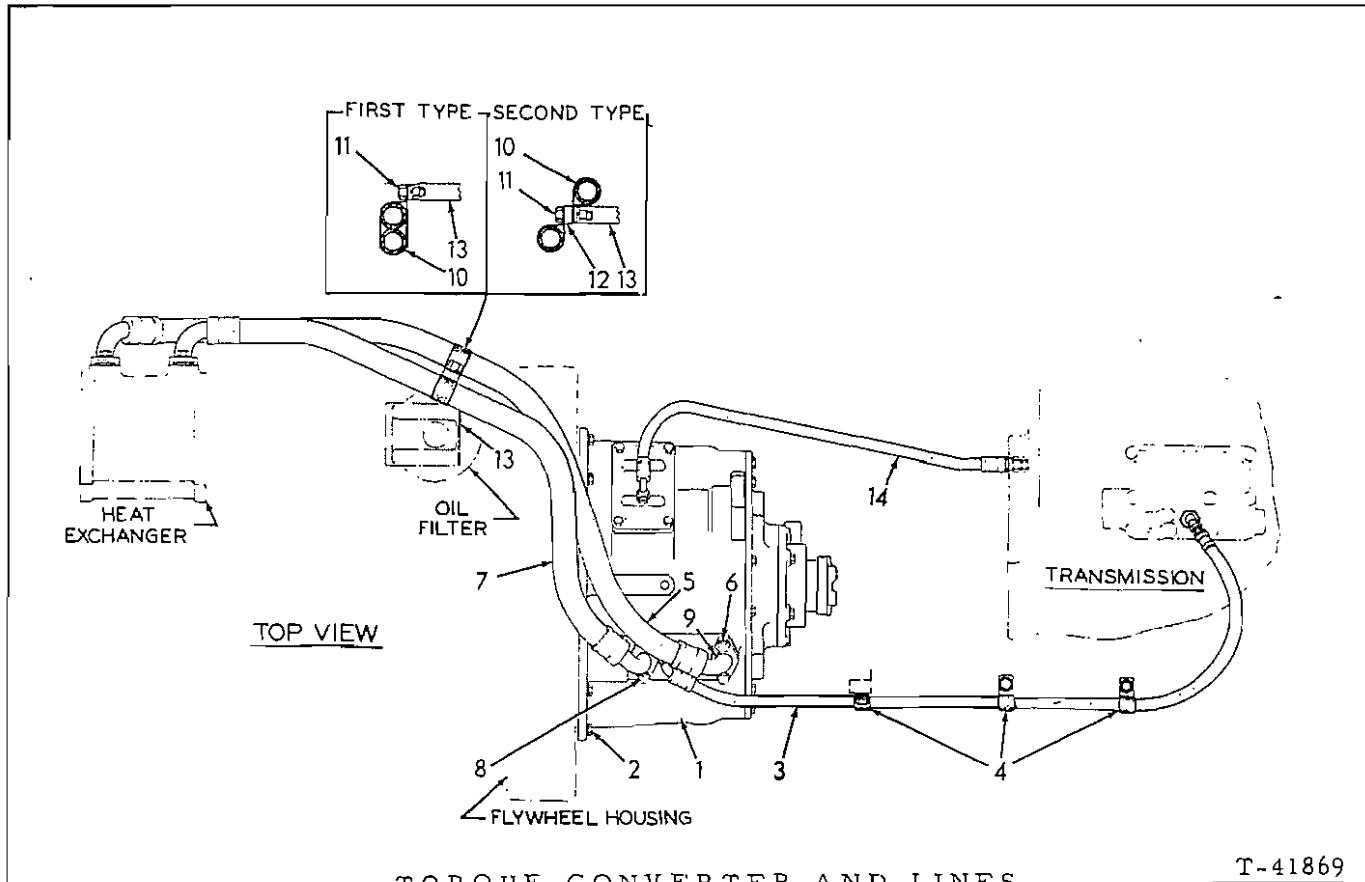
HEAT EXCHANGER

T-41945

USAGE: Tractors serial No. 13367 and up

ITEM PART NO. QTY. DESCRIPTION

1	74339116	1	COVER, rear
2	74339697	1	GASKET, rear cover
3	74357554 70916313 70904208 70916255 70904207	1 6 6 1 1	EXCHANGER, heat, transmission oil CAPSCREW, 1/2"NC x 1-3/4" LOCKWASHER, 1/2" CAPSCREW, 7/16"NC x 1-3/4" LOCKWASHER, 7/16"
4	74339216 70916313 70904208	1 8 8	TUBE, connecting CAPSCREW, 1/2"NC x 1-3/4" LOCKWASHER, 1/2"
5	74339698	1	GASKET, front cover
6	74339125 70912415 70921556 70904208	1 1 1 1	COVER, front COCK, drain, 1/4"NPT CAPSCREW, 1/2"NC x 2" LOCKWASHER, 1/2"
7	74514091 74115287 70904206	2 2 2	STUD, attaching, front cover NUT, 3/8"NF LOCKWASHER, 3/8"
8	74348185	1	GASKET, front cover to block
9	74506737 74253922	1 2	HOSE, water pump to cooler CLAMP, hose



**TORQUE CONVERTER AND LINES**

T-41869

**USAGE:** Tractors prior to serial No. 13367

**ITEM PART NO. QTY. DESCRIPTION**

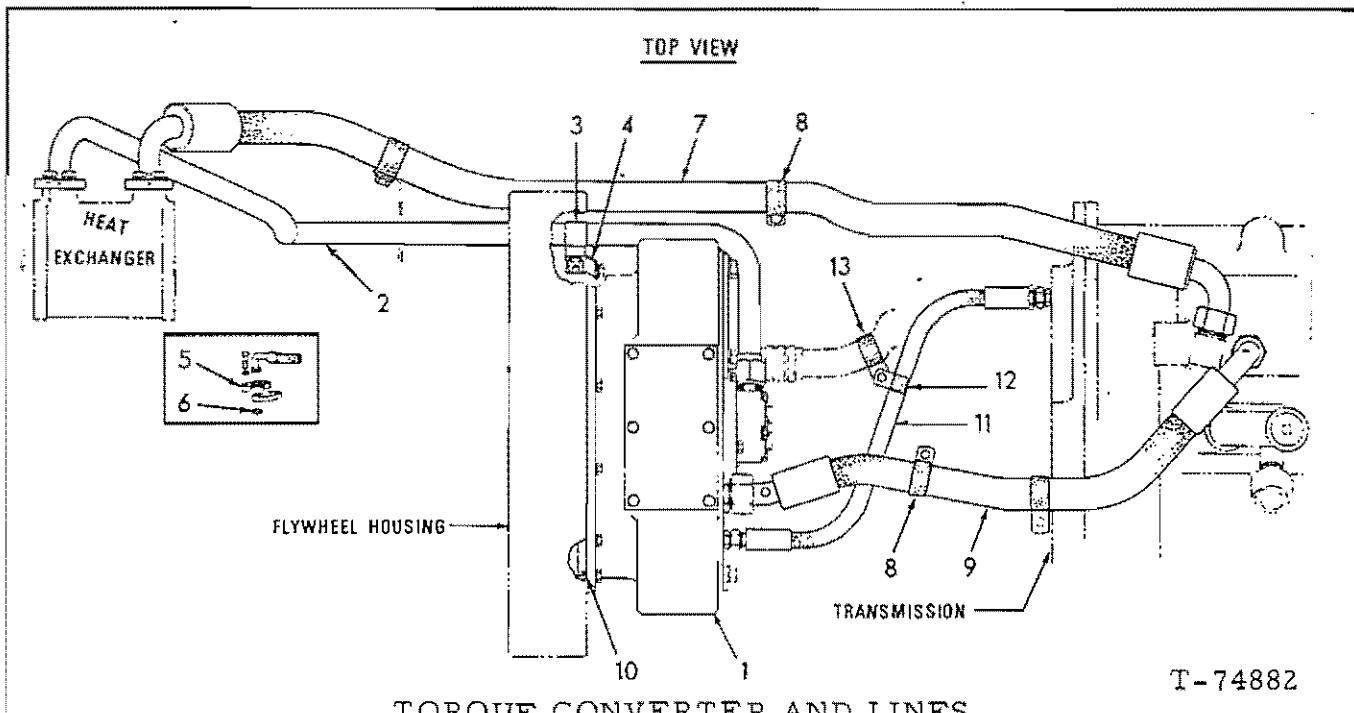
1	70629082	1	CONVERTER ASSEMBLY, torque (See page 135 for parts)
2	70044249	11	CAPSCREW, 3/8"NC x 1-1/8"
	70040382	1	CAPSCREW, 3/8"NC x 1-3/8"
	70904206	12	LOCKWASHER, 3/8"
3	70645483	1	HOSE, charging line (See HOSE PARTS)
	70919172	1	CONNECTOR, flare type, 3/8" tube, 3/8" NPT male
	70922507	1	ELBOW, adjustable, 45°, flare type, 1/2" tube, 3/4"NF (Includes washer, nut and O-RING 921349)
4	70621304	3	CLIP, supporting, charging line
	70035718	1	CAPSCREW, 1/2"NC x 3/4"
	70904208	1	LOCKWASHER, 1/2"
	70910244	1	WASHER, plain, SAE std., 1/2"
5	70641680	1	HOSE, converter to heat exchanger (See HOSE PARTS)
6	70041250	4	CAPSCREW, 7/16"NC x 1-1/4"
	70904207	4	LOCKWASHER, 7/16"
7	70641711	1	HOSE, heat exchanger to converter (See HOSE PARTS)
8	70041250	4	CAPSCREW, 7/16"NC x 1-1/4"
	70904207	4	LOCKWASHER, 7/16"
9	70923575	4	O-RING, hose sealing

(Continued)

TORQUE CONVERTER AND LINES (Continued)

ITEM PART NO. QTY. DESCRIPTION

10	{ 70631289	1	CLIP, supporting, heat exchanger hoses (For two 1-1/2" diam. lines)(Tractors prior to #12201)
	70632547	2	CLIP, supporting, heat exchanger hoses (1-1/2" diam. )(Tractors #12201 and up)
11	{ 70070467	1	CAPSCREW, 1/2"NF x 1"(Tractors prior to #12201)
	70035073	1	CAPSCREW, 1/2"NF x 1-3/4"(Tractors #12201 and up)
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
12	70064384	1	BOSS, clip spacing (Tractors #12201 and up)
13	74339595	1	BRACKET, hose supporting
14	70644009	1	HOSE, vent line (See HOSE PARTS)
	70919062	2	CONNECTOR, flare type, 3/8" tube, 1/4"NPT male



**USAGE:** Tractors serial No. 13367 and up

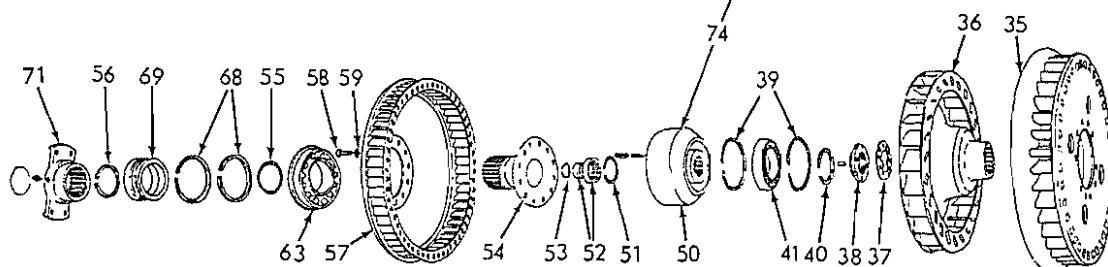
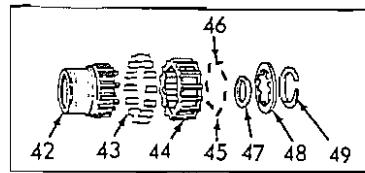
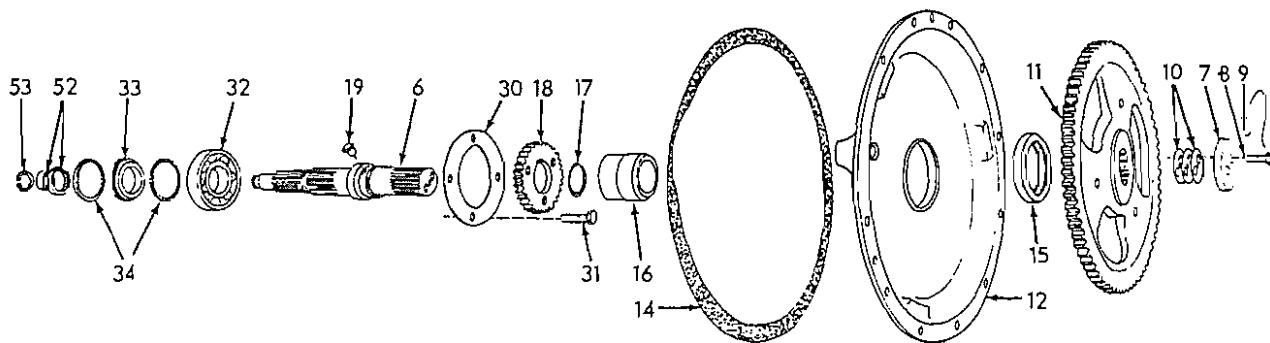
**ITEM PART NO. QTY. DESCRIPTION**

1	70664700 70919224 70916272 70904206	1 10 2 12	CONVERTER ASSY. (See page 139 for parts) CAPSCREW, 3/8"NC x 1-1/8" CAPSCREW, 3/8"NC x 1-1/4" LOCKWASHER, 3/8"
2	70664453	1	TUBE ASSY., converter to heat exchanger (Includes nut)
	70925992	1	ELBOW, adjustable, 90°, flare type, 1-1/4" tube, 1-5/8" male thd. (Includes washer, nut and O-Ring 70921235)
3	70095869 70916310 70904208 70911028	1 1 1 1	CLIP, tube supporting CAPSCREW, 1/2"NC x 1" LOCKWASHER, 1/2" NUT, 1/2"NC
4	70664531	1	ANGLE, tube supporting
5	70921117 70916197 70904207	4 8 8	FLANGE, heat exchanger lines CAPSCREW, 7/16"NC x 1-1/4" LOCKWASHER, 7/16"
6	70923664	2	O-RING, heat exchanger lines
7	70664441	1	HOSE, heat exchanger to transmission (See HOSE PARTS)
8	70644010 70916419 70916309 70910244 70904208	4 1 1 1 2	CLIP, hose supporting CAPSCREW, 1/2"NF x 3/4" CAPSCREW, 1/2"NC x 3/4" WASHER LOCKWASHER, 1/2"

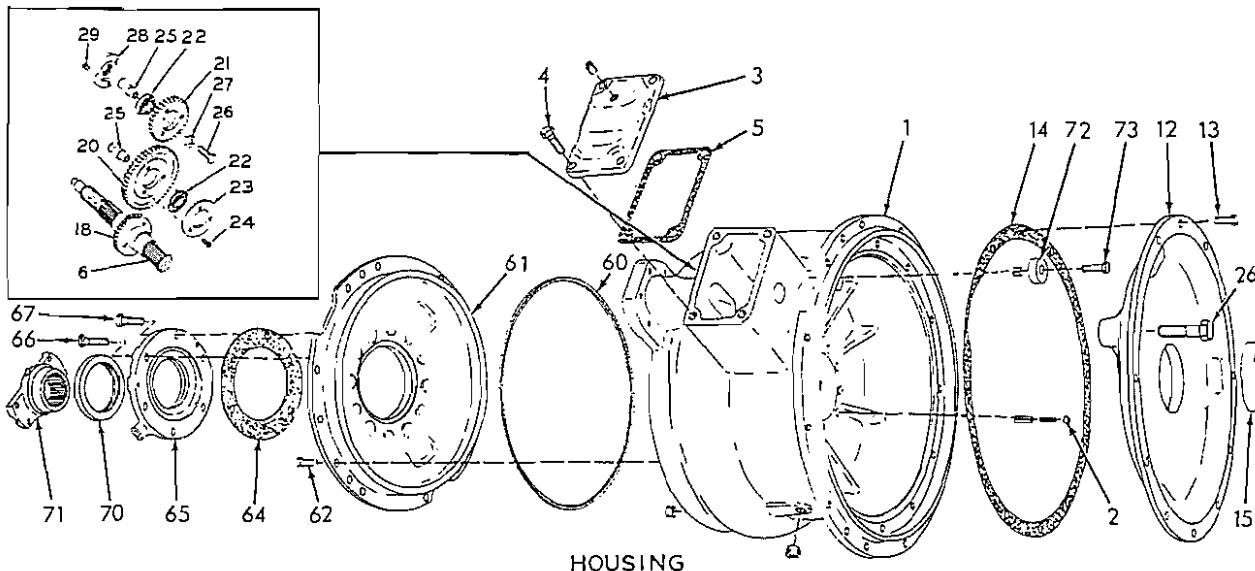
(Continued)

## TORQUE CONVERTER AND LINES (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
9	70664500	1	HOSE, transmission to converter (Includes Cap indented below)
	70921467	1	CAP, flare fitting, 1/4" tube
	70922988	1	CONNECTOR, flare type, 1/1-4" tube, 1-5/16" male thd. (Includes O-Ring 70921214)(rear end)
	70923343	1	CONNECTOR, flare type, 1-1/4" tube, 1-5/8" male thd. (Includes washer, nut and O-Ring 70921235)(front end)
10	70926008	1	O-RING, torque converter housing
11	70666117	1	HOSE, vent line (See HOSE PARTS)
	70919205	1	CONNECTOR, flare type, 1/2" tube, 1/4"NPT male
	70921466	1	CONNECTOR, flare type, 1/2" tube, 3/4"NPT male
12	70644713	1	CLIP, vent line supporting (7/8" diam.)
	70916310	1	CAPSCREW, 1/2"NC x 1"
	70911028	1	LOCKWASHER, 1/2"
	70911028	1	NUT, 1/2"NC
13	70632547	1	CLIP, vent line supporting (1-1/2" diam.)



TURBINE AND IMPELLER WHEEL



TORQUE CONVERTER ASSEMBLY 70629082

USAGE: See page 130

ITEM PART NO. QTY. DESCRIPTION

1	70640797	1	HOUSING
	70651141	1	PLUG, pipe, hex-head, 3/8"NPT
	70921469	5	PIN, roll, 7/32" x 1"
	70918113	5	PIN, roll, 3/8" x 1"
2	70638767	5	PLUG, cup, roll pin holder
3	70628572	1	COVER, housing
	70907859	1	PLUG, pipe, hex-socket, 1/4"NPT
4	70035439	4	CAPSCREW, 3/8"NC x 1"
5	70628571	1	GASKET, housing cover
6	70628484	1	SHAFT, input
7	70638765	1	WASHER, end, input shaft
8	70076942	2	CAPSCREW, drilled-hd., 3/8"NF x 1-1/2"
9	70023633	1	WIRE, locking, 1/16" x 12"
10	{ 70638771	-	SHIM, end washer (.003" thick) }
	70638770	-	SHIM, end washer (.010" thick) }
	70638769	-	SHIM, end washer (.025" thick) }
11	70624460	1	SPIDER, driving
12	70644676	1	PLATE, front oil seal
13	73043774	11	CAPSCREW, 3/8"NC x 7/8"
14	70644693	1	GASKET, oil seal plate
15	70628485	1	SEAL, oil, front end
16	70628482	1	SPACER, input shaft
17	70923577	1	O-RING, input shaft
18	70639943	1	GEAR, pump drive
19	70628480	1	PIN, pump drive gear
20	70644700	1	GEAR, pump driving (47 teeth)
21	70631088	1	GEAR, pump driving (31 teeth)
22	70645269	2	BEARING, ball, pump driving gears (Includes snap ring)
23	70628492	1	RETAINER, gear bearing
24	70639534	3	CAPSCREW, self-locking, 3/8"NF x 5/8"
25	70632604	2	SHAFT, pump driving gears
	70910003	2	PLUG, expansion, 7/8" diam.
	70921556	1	CAPSCREW, 1/2"NF x 2" (lower gear)
26	70035018	1	CAPSCREW, 1/2"NF x 1-1/2" }
27	70628470	1	WASHER, plain }
28	70644701	1	ADAPTER, pump drive
29	70650399	3	CAPSCREW, self-locking, 3/8"NF x 7/8" }

(Continued)

(Revised May 1979)

## TORQUE CONVERTER ASSEMBLY 70629082 (Continued)

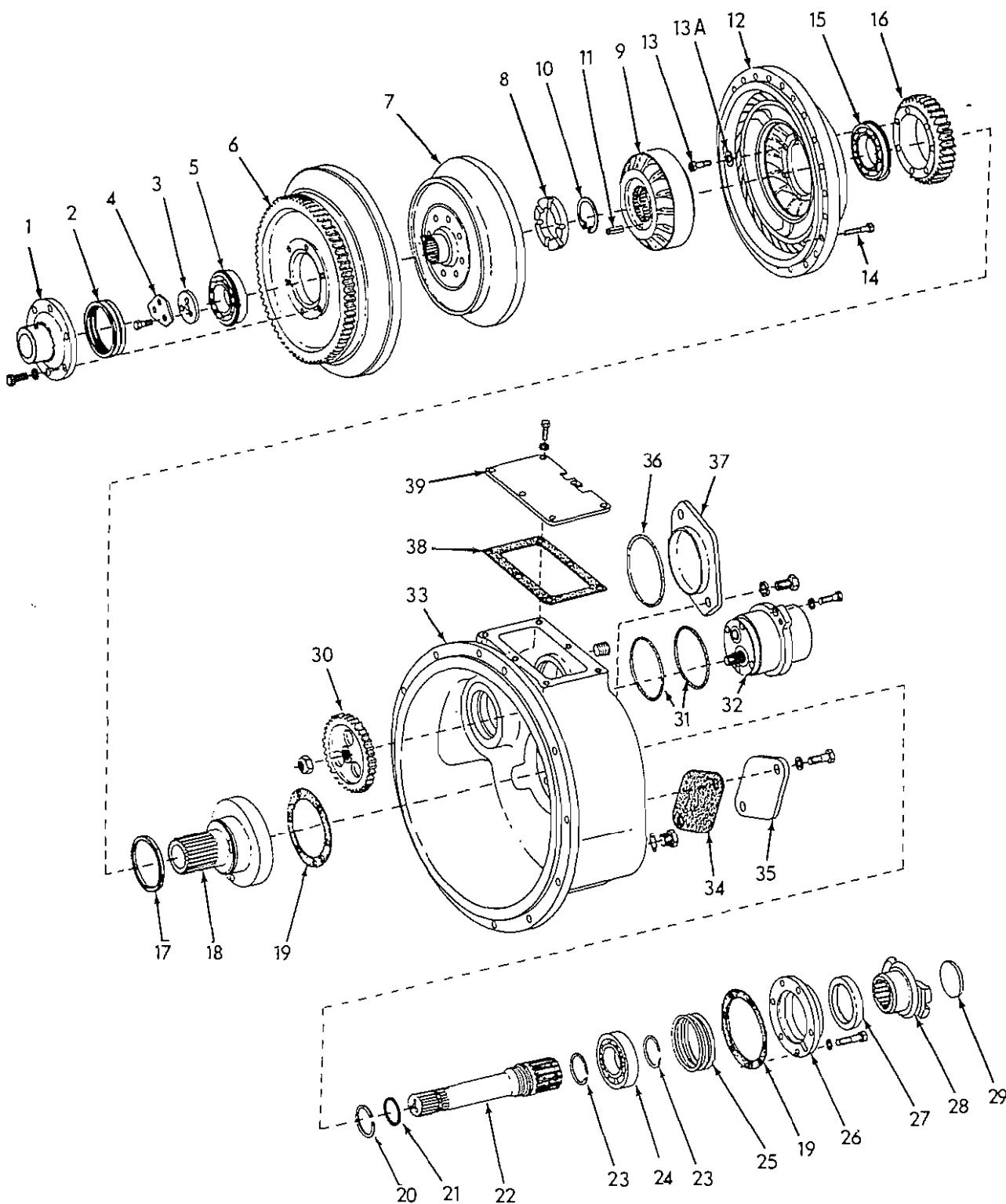
ITEM	PART NO.	QTY.	DESCRIPTION
30	70628486	1	RETAINER, input shaft front bearing
31	70058793	4	CAPSCREW, 3/8"NC x 2-1/4"
32	70624652	1	BEARING, ball, input shaft, front
33	70628344	1	CARRIER, front sealing rings
34	70628345	2	RING, sealing.
35	70628348	1	WHEEL ASSEMBLY, guide (stationary) (Serviced only as a unit)
36	70629533	1	WHEEL, impeller
37	70628350	1	WASHER, impeller retaining
38	70628351	1	NUT, impeller retaining
	70921464	1	SETSCREW, hex-socket, dog-pt., 1/4"NC x 1/2"
39	70628520	2	RING, snap, bearing retaining
40	70628519	1	RING, snap, cam retaining
41	70628518	1	BEARING, ball, turbine wheel, front
42	-----	-	CAM, clutch
43	-----	-	ROLLER, clutch
44	-----	-	CAGE ASSEMBLY, clutch rollers (Includes 2 spring guiding pins)
45	-----	-	SPRING, cage return
46	-----	-	SPRING, bumper
47	70628510	1	SPACER, cage retaining washer
48	70628511	1	WASHER, cage retaining
49	70628509	1	RING, snap, clutch cam
50	70628515	1	RACE, over-running clutch
	70921469	6	PIN, roll, 7/32" x 1"
	70918113	6	PIN, roll, 3/8" x 1"
51	70628363	1	RING, snap, bearing retaining
52	70628365	1	BEARING, roller, input shaft, rear
53	70628364	1	RING, snap, input shaft
54	70628354	1	FLANGE, turbine wheel
55	70628362	1	O-RING, turbine wheel flange
56	70628361	1	RING, snap, turbine wheel flange
57	70628478	1	WHEEL, turbine
58	70650399	6	CAPSCREW, self-locking, 3/8"NF x 7/8"
59	70638768	6	WASHER, plain

See item 74

(Continued)

## TORQUE CONVERTER ASSEMBLY 629082 (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
60	70628516	1	GASKET, rear end plate
61	70628479	1	PLATE, rear end
62	70035439	14	CAPSCREW, 3/8"NC x 1"
63	70628355	1	BEARING, ball, turbine wheel, rear (Includes snap ring)
64	70628366	1	GASKET, rear bearing retainer
65	70628356	1	RETAINER, turbine wheel rear bearing
66	70013058	2	CAPSCREW, 3/8"NC x 1-1/4"
67	70035439	4	CAPSCREW, 3/8"NC x 1"
68	70628359	2	RING, sealing
69	70628358	1	CARRIER, rear sealing rings
70	70628357	1	SEAL, oil, rear end
71	70629439	1	YODE ASSEMBLY, drive shaft (Includes PLUG and FITTING indented below)
	70910011	1	PLUG, expansion, 2-1/2" diam.
	70914465	1	FITTING, lubricating, straight, 1/8"NPT
72	70644692	1	CAP, lubricating orifice
	70923285	1	PIN, roll, 5/16" x 1/2"
73	70013058	1	CAPSCREW, 3/8"NC x 1-1/4"
74	70628503	1	CLUTCH KIT, over-running, torque converter (Consists of items 42 thru 49)



T-74934

TORQUE CONVERTER ASSEMBLY 70664700

## TORQUE CONVERTER ASSEMBLY 70664700

USAGE: See page 132

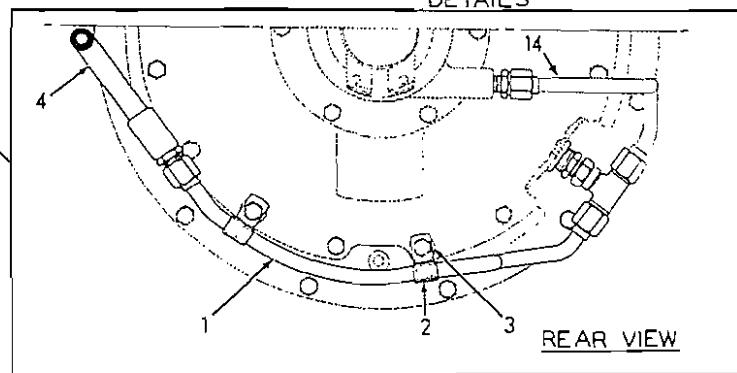
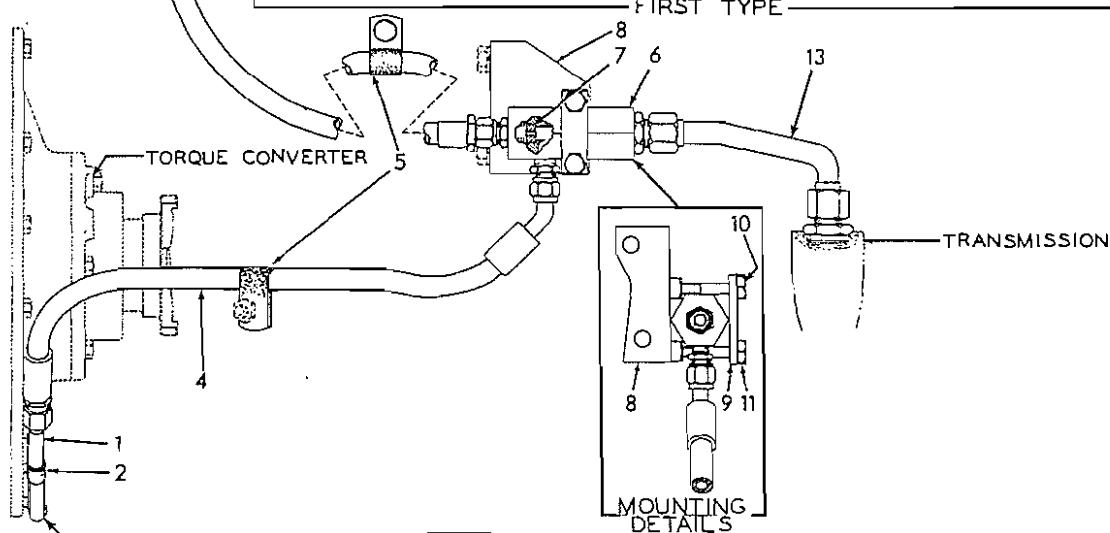
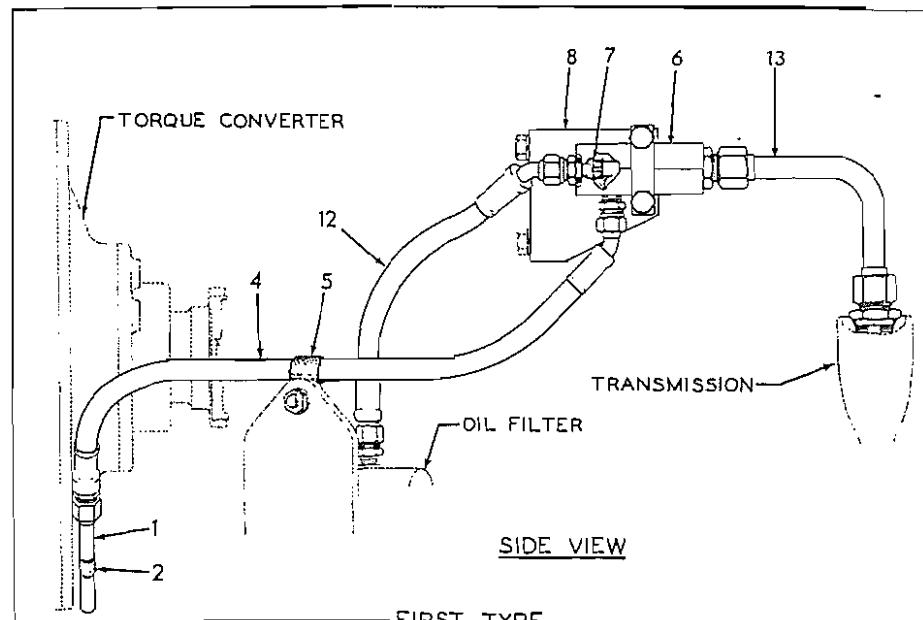
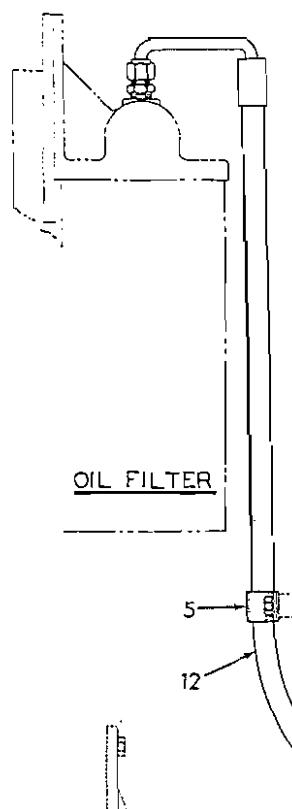
ITEM	PART NO.	QTY.	DESCRIPTION
1	70666431	1	HUB, input, front
	70916271	6	CAPSCREW, 3/8"NC x 1"
	70904206	6	LOCKWASHER, 3/8"
2	{ 70665513	-	SHIM, adjusting (.005" thick)
	70665514	-	SHIM, adjusting (.010" thick) }
	70665515	-	SHIM, adjusting (.020" thick) } Use as required
3	70664705	1	WASHER, end
	70045312	3	CAPSCREW, 5/16"NC x 3/4"
4	70664704	1	PLATE, capscrew locking
5	70666430	1	BEARING, ball, turbine (Includes snap ring)
6	70664718	1	HOUSING, turbine
7	70664720	1	TURBINE
8	70664715	1	SPACER, stator
9	70664716	1	STATOR ASSY. (Includes items 10 and 11)
10	74253442	1	RING, snap, stator retaining
11	70916227	1	PIN, spring, 1/4" x 1"
12	{ 70664725	1	IMPELLER (Converters prior to #974)
	70678301	1	IMPELLER (Converters #974 and up)
13	{ 70664728	7	BOLT, self-locking 5/16"NF x 1-1/4" (Converters prior to #974)
	70691441	7	BOLT, self-locking 7/16"NF x 1-1/4" }
13A	70678293	7	WASHER, plain } Converters #974 and up
14	70664717	24	BOLT, self-locking, 5/16"NC x 1-3/4"
15	70664726	1	BEARING, ball, impeller (Includes snap ring)
16	{ 70664727	1	GEAR, accessory drive (36 teeth)(Converters prior to #974)
	70678169	1	GEAR, accessory drive (36 teeth)(Converters #974 and up)
17	70664711	1	RING, sealing, output hub
18	70664710	1	HUB, output, rear
19	70664701	2	GASKET, hub and bearing retainer
20	70664709	1	RING, snap, output shaft (front)
21	70664732	1	RING, sealing, output shaft
22	70664730	1	SHAFT, output
23	70050292	2	RING, snap, bearing
24	70664731	1	BEARING, ball, output shaft, rear
25	{ 70664722	-	SHIM, adjusting (.005" thick) }
	70664723	-	SHIM, adjusting (.010" thick) }
	70664724	-	SHIM, adjusting (.020" thick) } Use as required

(Continued)

TORQUE CONVERTER ASSEMBLY 70664700 (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
26	70664729	1	RETAINER, rear bearing
	70919287	6	CAPSCREW, 3/8"NC x 1-7/8"
	70904206	6	LOCKWASHER, 3/8"
27	70663482	1	SEAL, oil, rear end
28	70664699	1	YOKE ASSEMBLY, output shaft (Includes item 29)
29	70910016	1	PLUG, expansion (2-1/4" diam.)
30	70664708	1	GEAR, transmission pump drive (34 teeth)
	70921342	1	NUT, elastic stop, 5/8"NF
31	70923819	2	O-RING, transmission pump
32	70664707	1	PUMP ASSEMBLY, transmission oil (Serviced only as a unit)
	70919225	2	CAPSCREW, 3/8"NC x 1-3/8"
	70904206	2	LOCKWASHER, 3/8"
33	70664706	1	HOUSING
	70923911	1	PLUG, hex-hd., 3/4"NF (Includes O-RING 70921349)
34	70669001	1	GASKET, hole cover, rear (left side)
35	70664713	1	COVER, access hole, rear (left side)
	70916309	2	CAPSCREW, hex-hd., 1/2"NC x 3/4"
	70904208	2	LOCKWASHER, 1/2"
36	70923591	1	O-RING, hole cover, rear (right side)
37	70664712	1	COVER, access hole, rear (right side)
	70920640	2	CAPSCREW, 5/8"NC x 1"
	70904209	2	LOCKWASHER, 5/8"
38	70664702	1	GASKET, access hole cover (top)
39	70667376	1	COVER, transmission pump access hole
	70915408	6	CAPSCREW, 3/8"NC x 3/4"
	70904206	6	LOCKWASHER, 3/8"

M E M O



TORQUE CONVERTER SEAL DRAIN

T-41870

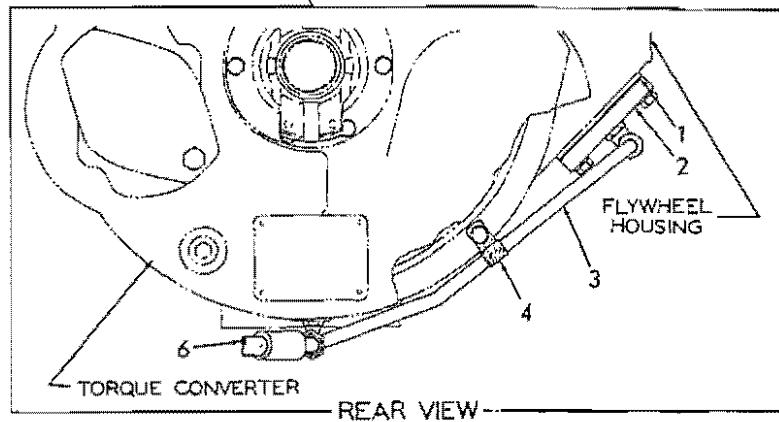
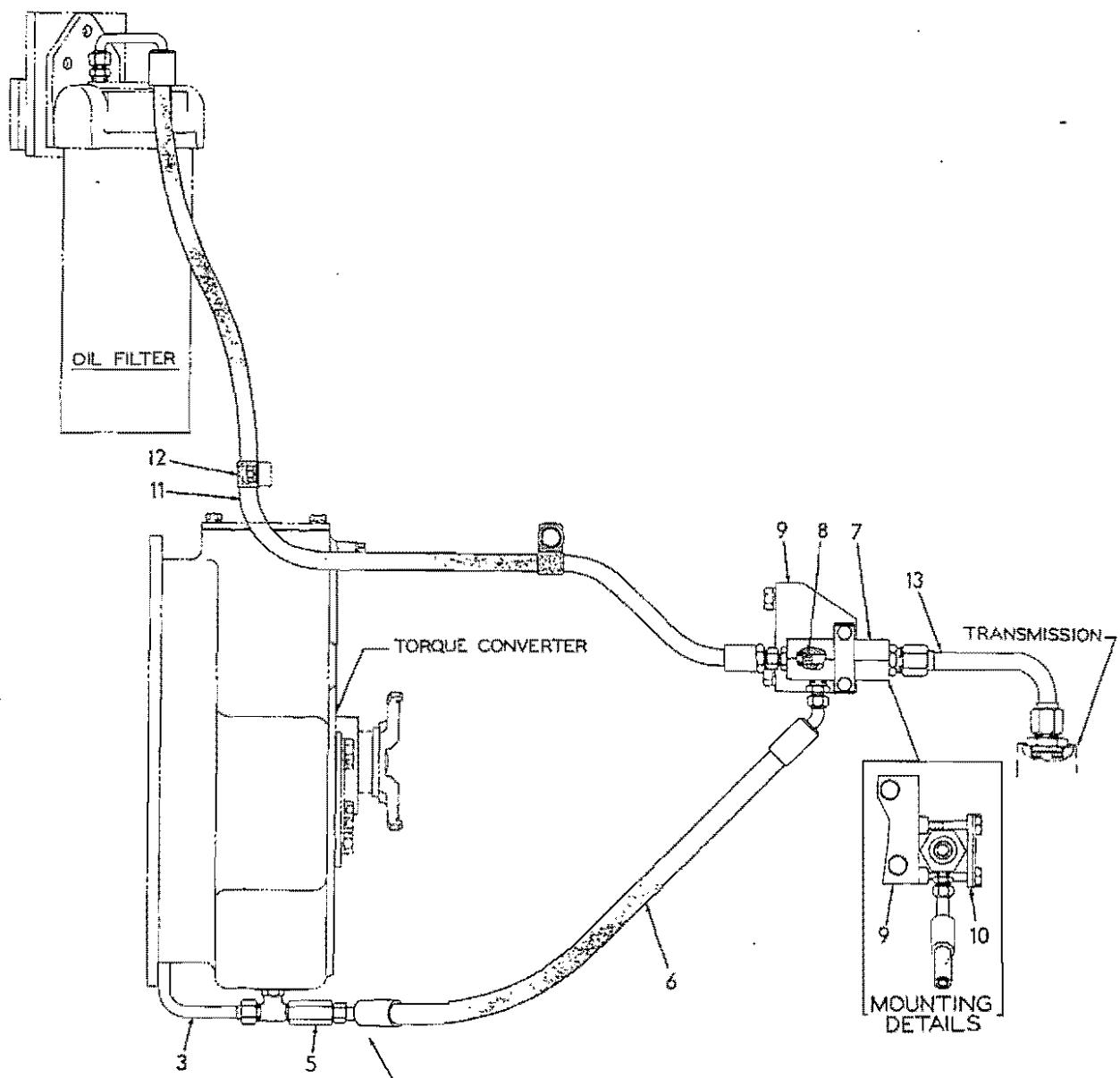
## TORQUE CONVERTER SEAL DRAIN

USAGE: Tractors prior to serial No. 13367 ("Twin-Disc" torque converter)

\* Tractors prior to serial No. 12201  
 \*\* Tractors serial No. 12201 thru 13367

ITEM	PART NO.	QTY.	*	**	DESCRIPTION
1	70643854	1	1		TUBE ASSEMBLY, lower (Includes nuts)
	70919128	1	1		CONNECTOR, flare type, 1/2" tube, 1/2"NPT male
	70921276	1	1		TEE, flare type, swivel nut, 1/2" tube
2	70094527	2	2		CLIP, tube supporting
3	70044973	2	2		WASHER, plain
4	{ 70644056	1	-		HOSE, tube to pump }
	70650068	-	1		HOSE, tube to pump }
	70919172	1	1		CONNECTOR, flare type, 3/8" tube, 3/8"NPT male
5	70621304	1	3		CLIP, hose supporting
	70036032	-	1		CAPSCREW, 3/8"NF x 3/4"
	70904206	-	1		LOCKWASHER, 3/8"
	70035718	-	1		CAPSCREW, 1/2"NC x 3/4"
	70904208	-	1		LOCKWASHER, 1/2"
	70910244	-	1		WASHER, plain
6	70665690	1	1		PUMP ASSEMBLY, venturi (Includes item 7)
7	70643817	1	1		ORIFICE, venturi pump
8	{ 70644049	1	-		BRACKET, pump supporting
	70650064	-	1		BRACKET, pump supporting
9	70644055	1	1		PLATE, pump clamping
10	70058793	2	2		CAPSCREW, 3/8"NC x 2-1/4"
11	70644054	1	1		LOCK, capscrew
12	{ 70644043	1	-		HOSE, filter to pump }
	70651048	-	1		HOSE, filter to pump }
	70919062	1	1		CONNECTOR, flare type, 3/8" tube, 1/4"NPT male
	70922457	1	1		CONNECTOR, flare type, 3/8" tube, 3/4"NF (Includes O-RING 70921349)
13	{ 70643857	1	-		TUBE ASSEMBLY, pump to transmission case (Includes nuts)
	70650071	-	1		TUBE ASSEMBLY, pump to transmission case (Includes nuts)
	70921217	1	1		CONNECTOR, flare type, 3/4" tube, 1-1/16"NF (Includes O-RING 70921206)
	70922997	1	1		CONNECTOR, flare type, 3/4" tube, 1-5/16"NF (Includes O-RING 70921214)
14	70646028	1	1		TUBE ASSEMBLY, upper (Includes nuts)
	70919205	1	1		CONNECTOR, flare type, 1/2" tube, 1/4"NPT male

(Revised May 1979)



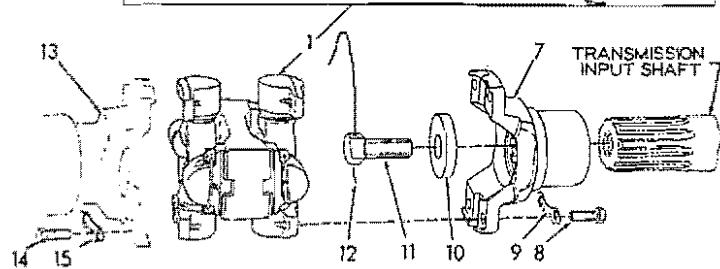
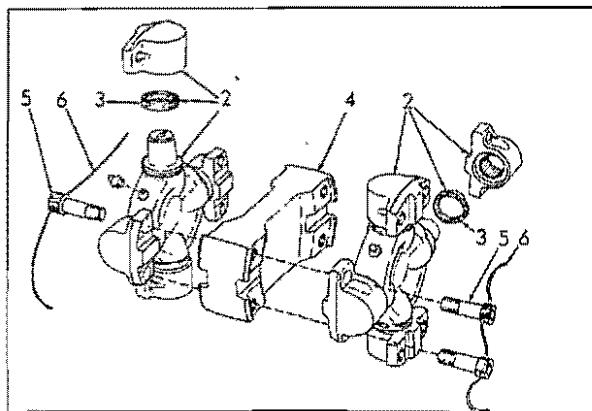
TORQUE CONVERTER AND FLYWHEEL HOUSING DRAIN

T-74883

# TORQUE CONVERTER AND FLYWHEEL HOUSING DRAIN

USAGE: Tractors serial No. 13367 and up ("Rockford" torque converter)

ITEM	PART NO.	QTY.	DESCRIPTION
1	70630030	1	GASKET, flywheel housing cover
2	70664516 70919225 70904206	1 2 2	PLATE, cover, flywheel housing CAPSCREW, 3/8"NC x 1-3/8" LOCKWASHER, 3/8"
3	70664455 70921402 70923157	1 1 1	TUBE ASSEMBLY, flywheel housing drain (Includes nuts) ELBOW, adjustable, 90°, flare type, 1/2" tube, 3/4"NF male (Includes washer, nut and O-RING 70921349) TEE, adjustable, flare type, 1/2" tube, 3/4"NF male side (Includes washer, nut and O-RING 70921349)
4	70094527 ----- ----- 70911115	1 1 1 1	CLIP, tube supporting CAPSCREW, 3/8"NC x 1-1/4"} See TORQUE CONVERTER LOCKWASHER, 3/8" } AND LINES WASHER, plain, SAE std., 3/8"
5	70666156	1	FITTING, extension
6	70664616 70919063	1 1	HOSE, torque converter to pump (See HOSE PARTS) CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
7	70665690	1	PUMP ASSEMBLY, venturi (Includes item 8)
8	70665568	1	ORIFICE, venturi pump
9	70650064	1	BRACKET, pump supporting
10	70644055 70916274 70644054	1 2 1	PLATE, pump clamping CAPSCREW, 3/8"NC x 2-1/4" LOCK, capscrew
11	70651048 70919062 70922457	1 1 1	HOSE, filter to pump (See HOSE PARTS) CONNECTOR, flare type, 3/8" tube, 1/4"NPT male CONNECTOR, flare type, 3/8" tube, 3/4"NF (Includes O-RING 70921349)
12	70621304 70916381 70904206 70911115 70916309 70904208 70910244	2 1 1 1 1 1 1	CLIP, hose supporting CAPSCREW, 3/8"NF x 3/4" LOCKWASHER, 3/8" WASHER, plain, SAE std., 3/8" CAPSCREW, 1/2"NC x 3/4" LOCKWASHER, 1/2" WASHER, plain, SAE std., 1/2"
13	70650071 70921217 70922997	1 1 1	TUBE ASSEMBLY, pump to transmission case (Includes nuts) CONNECTOR, flare type, 3/4" tube, 1-1/16"NF (Includes O-RING 70921206) CONNECTOR, flare type, 3/4" tube, 1-5/16"NF (Includes O-RING 70921214)



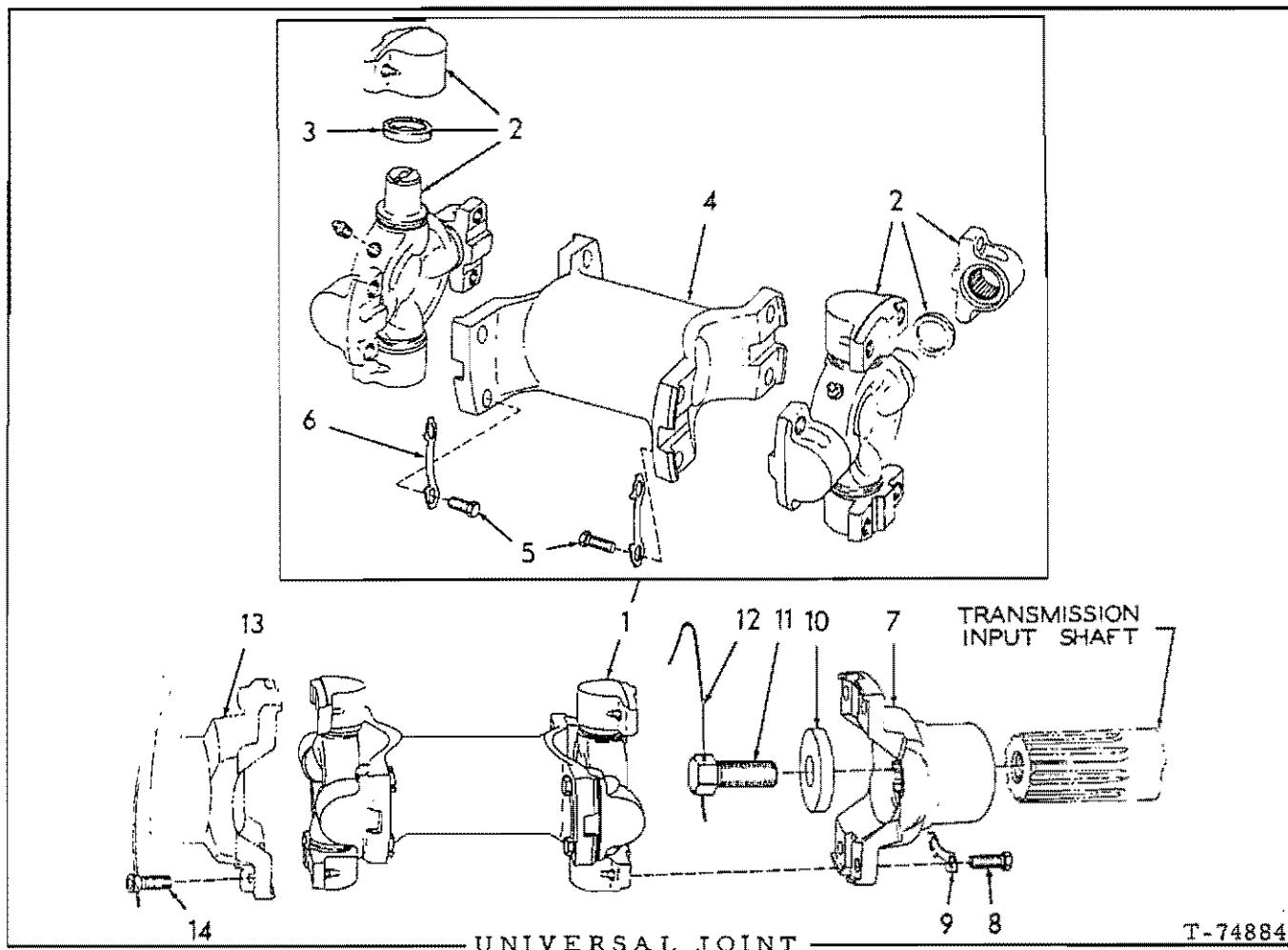
### UNIVERSAL JOINT

T-41866

**USAGE:** Tractors prior to serial No. 13367 ("Twin-Disc" torque converter)

**ITEM PART NO. QTY. DESCRIPTION**

1	70624083	1	JOINT ASSEMBLY, universal (Consists of items 2 thru 6)
2	70084328	2	SPIDER ASSEMBLY (Includes bearings, item 3, and FITTING indented below. Serviced only as a unit)
	70914687	2	FITTING, lubricating, straight, 1/4"NF
3	70076461	8	WASHER, sealing, spider bearing
4	70643972	1	COUPLING, center
5	70620778	8	CAPSCREW, coupling (3/8"NF x 7/8")
6	70023756	4	WIRE, locking, 1/16" x 26"
7	70623958	1	YOKES, rear
8	70035167	4	CAPSCREW, 3/8"NF x 7/8"
9	70059876	2	LOCK, capscrew
10	70078314	1	WASHER, rear yoke retaining
11	70075950	1	CAPSCREW, rear yoke retaining
12	70023633	1	WIRE, locking, 1/16" x 12"
13	-----	1	YOKES, front (See TORQUE CONVERTER)
14	70035167	4	CAPSCREW, 3/8"NF x 7/8"
15	70059876	2	LOCK, capscrew

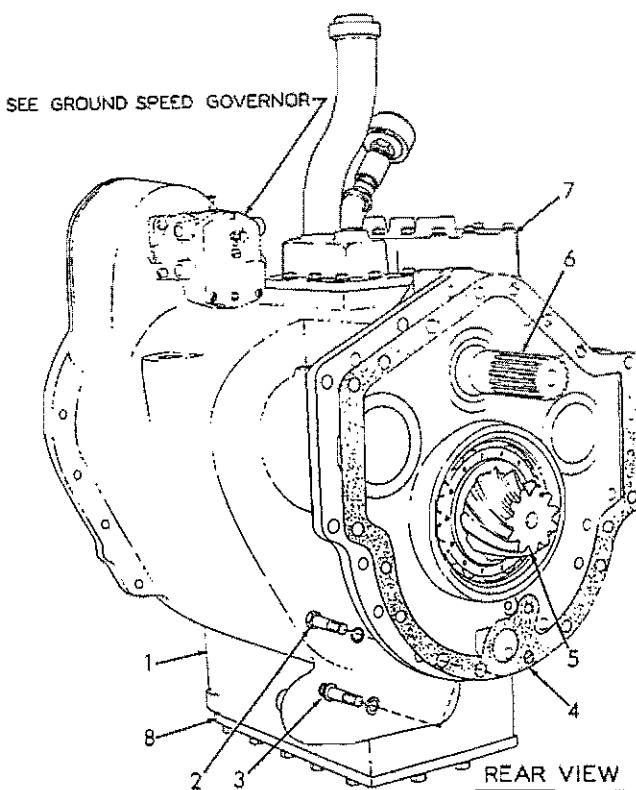
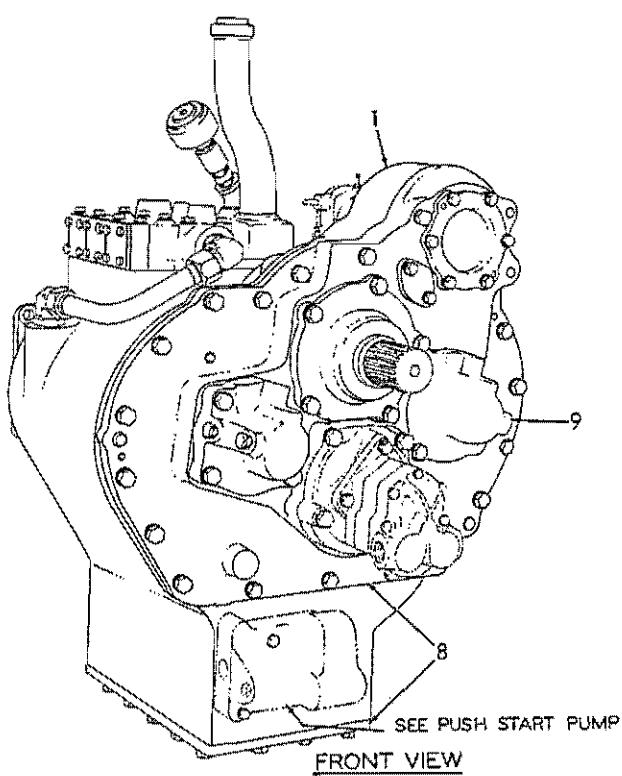


T-74884

**USAGE:** Tractors serial No. 13367 and up ("Rockford" torque converter)

**ITEM PART NO. QTY. DESCRIPTION**

1	70664425	1	JOINT ASSEMBLY, universal (Consists of items 2 thru 6)
2	70083918	2	SPIDER ASSEMBLY, front (Includes four bearings, item 3 and FITTING indented below. Serviced only as a unit)
	70914687	2	FITTING, lubricating, straight, 1/4" NPT
3	70076461	8	WASHER, sealing, spider bearing
4	70664427	1	YOKES, center
5	70035167	8	CAPSCREW, 3/8"NF x 7/8"
6	70059876	4	LOCK, capscrew
7	70623958	1	YOKES, rear
8	70035167	4	CAPSCREW, 3/8"NF x 7/8"
9	70059876	2	LOCK, capscrew
10	70078314	1	WASHER, rear yoke retaining
11	70075950	1	CAPSCREW, rear yoke retaining
12	70023633	1	WIRE, locking, 1/16" x 12"
13	-----	1	YOKES, front (See TORQUE CONVERTER)
14	70620778	4	CAPSCREW, drilled-hd., 3/8"NF x 7/8"
15	70023756	2	WIRE, locking, 1/16" x 26"



TRANSMISSION

T-72368

\* Tractors prior to serial No. 11428(left-hand-spiral pinion)  
 \*\* Tractors serial No. 11428 and up(right-hand-spiral pinion)

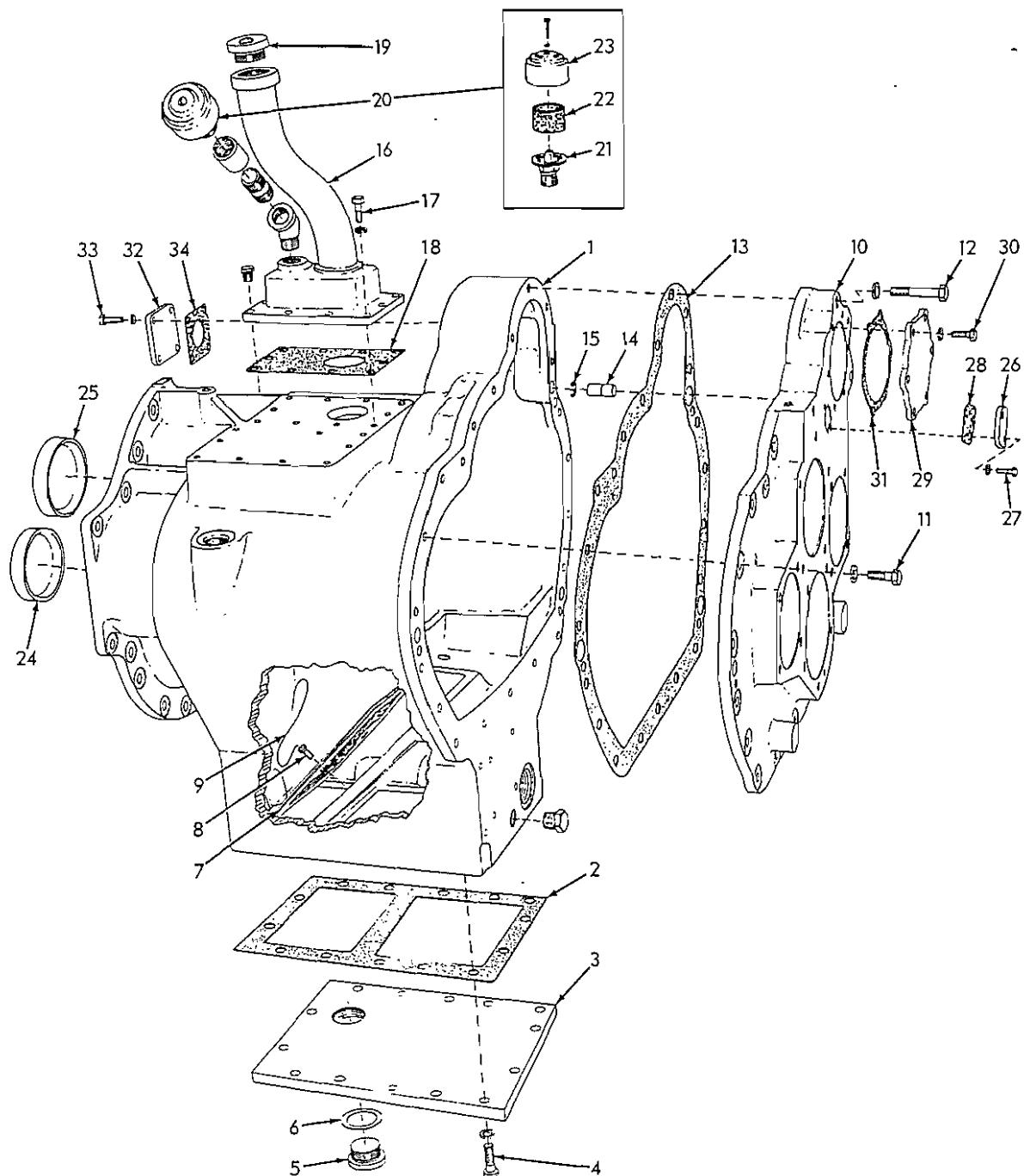
ITEM	PART NO.	QTY.	*	**	DESCRIPTION	
	70624111	1	-		TRANSMISSION ASSEMBLY	
	70648347	-	1		TRANSMISSION ASSEMBLY (Tractors #11428 thru #13106)	
	70659413	-	1		TRANSMISSION ASSEMBLY (Tractors #13107 thru 13366)	{ Tractors without ground speed governor
1	70664440	-	1		TRANSMISSION ASSEMBLY (Tractors #13367 and up)	
	70643831	1	-		TRANSMISSION ASSEMBLY	
	70648374	-	1		TRANSMISSION ASSEMBLY (Tractors #11428 thru #13106)	{ Tractors with ground speed governor
	70659414	-	1		TRANSMISSION ASSEMBLY (Tractors #13107 thru 13366 )	
	70664562	-	1		TRANSMISSION ASSEMBLY (Tractors #13367 and up)	
2	70913105	16	16		CAPSCREW, hex -hd., 1/2"NF x 1-1/2"	
3	70647563	2	2		CAPSCREW, 12-point hd., 1/2"NF x 1-1/2"	
	70904208	18	18		LOCKWASHER, 1/2"	

NOTE: Each transmission assembly listed above includes items 5 thru 9

(Continued)

## TRANSMISSION (Continued)

ITEM	PART NO.	Q.T.Y.	*	**	DESCRIPTION
4	70654294	1	1		GASKET, case to main housing
5	-----	-	-		See TRANSMISSION BEVEL PINION SHAFT
6	-----	-	-		See TRANSMISSION INPUT SHAFT
7	-----	-	-		See TRANSMISSION PRESSURE RELIEF VALVE
8	-----	-	-		See TRANSMISSION CASE AND COVERS
9	-----	-	-		See CLUTCH SHAFTS



TRANSMISSION CASE AND COVERS

T-72366

TRANSMISSION CASE AND COVERS

ITEM PART NO. QTY. DESCRIPTION

1	70654310	1	CASE, transmission
	70920525	1	PLUG, pipe, hex-hd., 3/4"NPT (Not used when special PUSH-START PUMP is installed)
	70919840	1	PLUG, pipe, hex-hd., 1/4"NPT (Not used when GROUND SPEED GOVERNOR is installed)
2	70642788	1	GASKET, bottom cover
3	70642787	1	COVER, bottom
4	70915987	14	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	14	LOCKWASHER, 1/2"
5	70035250	1	PLUG, drain
6	70035249	1	GASKET, drain plug
7	70632067	1	SCREEN, oil
8	70606858	2	CAPSCREW, drilled-hd., 3/8"NC x 3/4"
9	70023633	1	WIRE, locking, 1/16" x 12"
10	70643799	1	COVER, front
11	70915987	16	CAPSCREW, 1/2"NC x 1-1/2"
12	70915969	5	CAPSCREW, 1/2"NC x 3"
	70904208	21	LOCKWASHER, 1/2"
13	70654798	1	GASKET, front cover
14	70624695	3	PIN, dowel, front cover
15	70623804	3	RING, snap, dowel pin
16	70634588	1	FILLER, oil
17	70919224	10	CAPSCREW, 3/8"NC x 1-1/8"
	70904206	10	LOCKWASHER, 3/8"
18	70627346	1	GASKET, oil filler
19	70035250	1	PLUG, oil filler
20	70679375	1	BREATHER ASSEMBLY (Consists of items 21 thru 23)
	70901767	1	COUPLING, pipe, 3/4"NPT
	70902170	1	NIPPLE, pipe, 3/4"NPT
	70910023	1	ELBOW, street, 45°, 3/4"NPT
21	73002767	1	BASE, breather
22	73002769	1	ELEMENT, breather
23	73002768	1	CAP, breather
	70914172	1	SCREW, machine, #10-24NF x 1-1/4"
	70904203	1	LOCKWASHER, #10
24	70632793	1	PLUG, cup (4" diam.)
25	70632794	1	PLUG, cup (4-3/4" diam.)
26	70631885	1	COVER, hole (front)
27	70916271	2	CAPSCREW, 3/8"NC x 1"
	70904206	2	LOCKWASHER, 3/8"

(Continued)

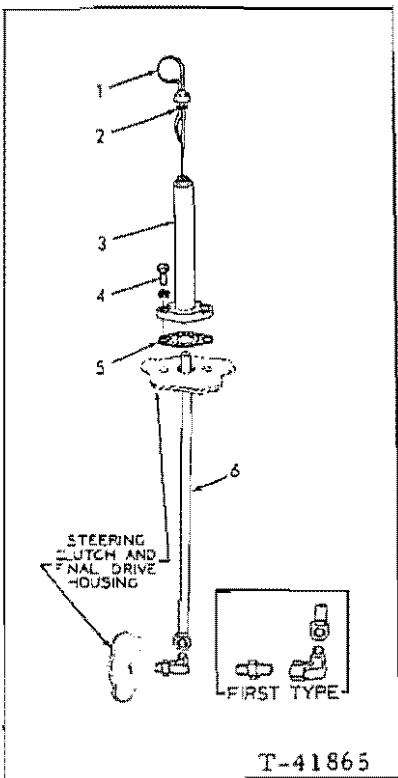
(Revised May 1979)

## TRANSMISSION CASE AND COVERS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
28	70643810	1	GASKET, cover, small hole
29	70643081	1	COVER, hole (front)
30	70916271	6	CAPSCREW, 3/8"NC x 1"
	70904206	6	LOCKWASHER, 3/8"
31	70643080	1	GASKET, cover, large hole
32	70630584	1	COVER, hole (rear)
33	70914392	4	CAPSCREW, 5/16"NC x 1"
	70904205	4	LOCKWASHER, 5/16"
34	70624706	1	GASKET, rear cover

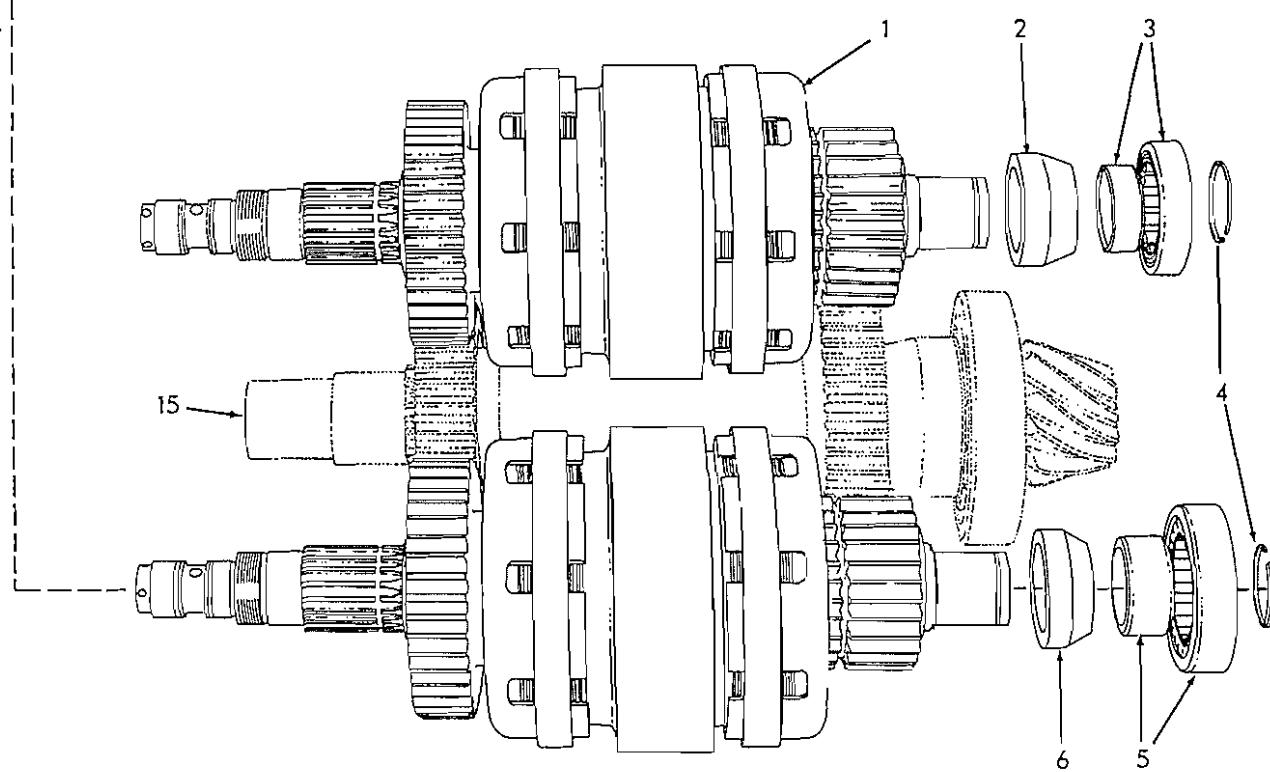
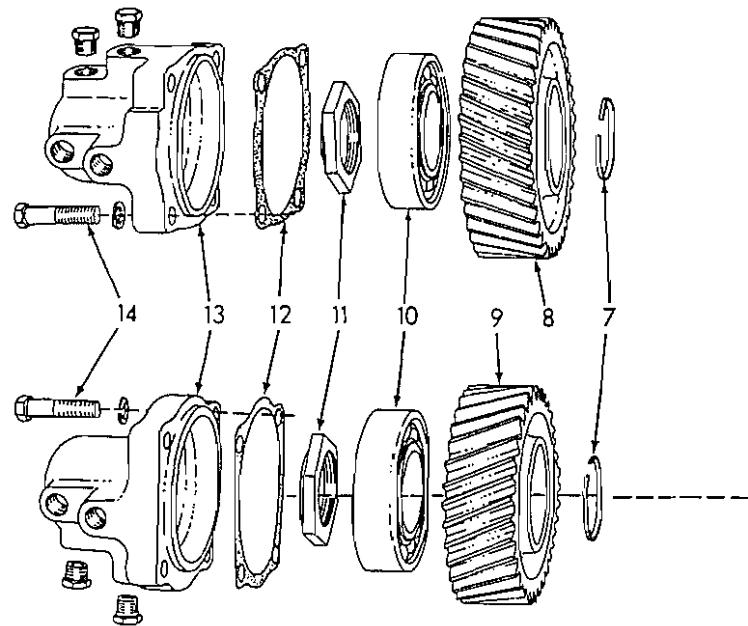
Not used on Transmissions  
equipped with Ground Speed  
Governor

# TRANSMISSION OIL LEVEL GAUGE



\* Tractors prior to serial No. 11413  
\*\* Tractors serial No. 11413 and up

ITEM	PART NO.	Q.TY.	* **	DESCRIPTION	
1	{ 70641049	1	-	GAUGE ASSEMBLY (Includes item 2)	
	70648390	-	1	GAUGE ASSEMBLY (Includes item 2)	
2	74506607	1	1	SEAL, gauge cap	
3	70641051	1	1	GUIDE, oil gauge	
4	70035439	2	2	CAPSCREW, 3/8"NC x 1"	
	70904206	2	2	LOCKWASHER, 3/8"	
5	70628951	1	1	GASKET, gauge guide	
6	{ 70642479	1	-	TUBE ASSEMBLY (Includes nut)	
	70921279	1	-	ELBOW, flare type, swivel nut, 1/2" tube, 3/4"NF female	
	70919063	1	-	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male	
	{ 70648387	-	1	TUBE ASSEMBLY (Includes nut)	
	70923984	-	1	ELBOW, flare type, swivel nut, 1/2" tube, 3/8"NPT male	



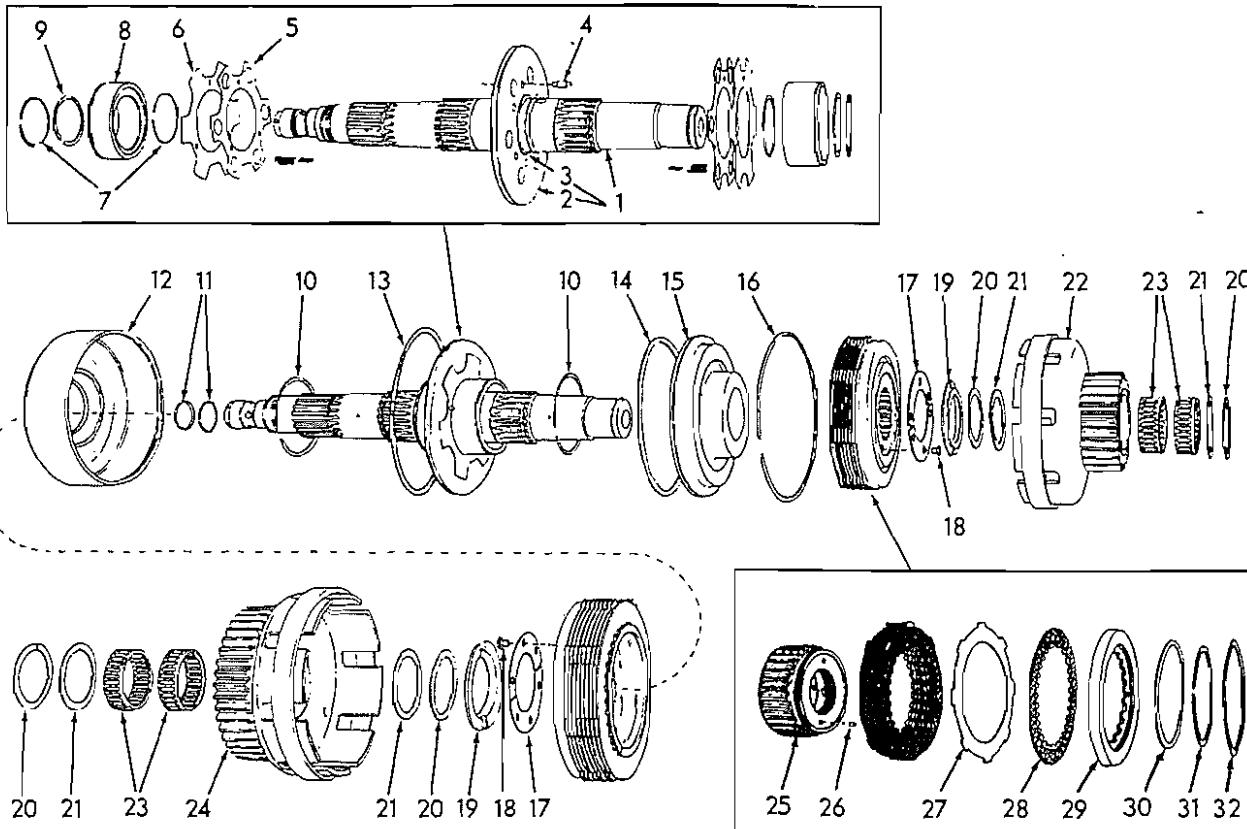
TRANSMISSION CLUTCH SHAFTS

T-72361

## TRANSMISSION CLUTCH SHAFTS

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	2	CLUTCH AND SHAFT ASSEMBLY (See page 156)
2	70623993	1	SPACER, rear bearing, right clutch
3	70091375	1	BEARING, roller, right clutch, rear
4	70050292	2	RING, snap, clutch bearings, rear
5	70623963	1	BEARING, roller, left clutch, rear
6	70643965	1	SPACER, rear bearing, left clutch
7	70623969	2	RING, snap, clutch shaft
8	70623992	1	GEAR, driving, right clutch (38 teeth)
9	70623965	1	GEAR, driving, left clutch (33 teeth)
10	70647972	2	BEARING, ball, front end
11	70639761	2	NUT, clutch shaft
12	70629223	2	GASKET, oil collector
13	70623967	2	COLLECTOR, oil
	70920333	4	PLUG, pipe, hex-hd., 3/8"NPT
14	70916313	8	CAPSCREW, 1/2"NC x 1-3/4"
	70904208	8	LOCKWASHER, 1/2"
15	-----	-	See TRANSMISSION BEVEL PINION SHAFT

(Revised March 1973)



T-72362

CLUTCH AND SHAFT ASSEMBLY

USAGE: See page 155

ITEM PART NO. QTY. DESCRIPTION

- 70645981 1 CLUTCH AND SHAFT ASSY. (Tractors prior to unit #15504 excluding #14824)
- 70670323 1 CLUTCH AND SHAFT ASSY. (Tractors unit #15504 thru #15538 including #14824)
- 70675679 1 CLUTCH AND SHAFT ASSY. (Tractors unit #15539 and up)

NOTE: Each Clutch and Shaft Assy. listed above includes items 1 thru 32. All quantities indicated are for one (1) assembly only.

- |   |                        |   |  |
|---|------------------------|---|--|
| 1 | 70651648               | 1 | SHAFT ASSY. (Includes items 2 and 3)(If for tractors prior to #11394 also order item 5 and 3 PINS 0651639-7) |
| 2 | { 70647268<br>70651644 | 1 | PLATE ASSY. (Includes 3 pins)(Used prior to tractor #11394)  |
| 3 | 70629860               | 2 | RING, snap, plate retaining  |
| 4 | { 70624237<br>70651639 | 3 | PIN, valve actuating (straight type)(Used prior to tractor #11394)   |
|   |                        | 3 | PIN, valve actuating (step type)(Effective tractor #11394)   |

(Continued)

(Revised March 1973)

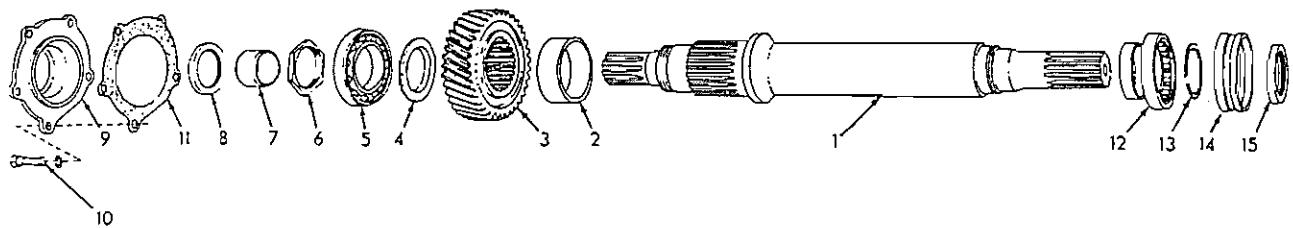
CLUTCH AND SHAFT ASSEMBLY (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
5	70651642	2	DISC, backing
6	70629853	2	DISC, valve
7	70647998	4	O RING, shaft sealing
8	70629859	2	PISTON, accelerating
9	70629860	2	RING, snap, piston retaining
10	70629861	2	O RING, sealing, accelerating piston
11	70643958	2	RING, sealing, shaft (small)
12	70629858	1	HOUSING, piston
13	70629856	1	O O-RING, shaft separator plate
14	70629855	1	O RING, sealing, actuating piston
15	70629852	1	PISTON, clutch actuating
16	70629854	1	RING, snap, actuating piston housing
17	70644797	4	RETAINER, clutch hub
18	70624251	12	BOLT, attaching (8 less required on late units)
19	70669152	2	SPACER, clutch hub
20	70629873	4	WASHER, thrust
21	70629872	4	SPACER, thrust washer
22	70645980	1	GEAR AND DRUM ASSY., low speed (28 teeth)
23	73037615	4	BEARING, roller, clutch gear
24	70629875	1	GEAR AND DRUM ASSY., high speed (41 teeth)
25	{ 70669151	2	HUB ASSY., clutch (Serviced only as a unit)(Tractors prior to unit #15539)
	70675674	2	HUB ASSY., clutch (Serviced only as a unit)(Tractors unit #15539 and up)
26	70624249	6	PIN, locking, back plate(Tractors prior to unit #15539)
27	70629864	16	PLATE, friction(steel)
28	70629863	18	PLATE, friction (bronze)
29	{ 70629865	2	PLATE, back, clutch hub (Tractors prior to unit #15539)
	70675675	2	PLATE, back, clutch hub (Tractors unit #15539 and up)
30	70669614	2	RETAINER, locking pin (Tractors prior to unit #15539)
31	{ 70629867	2	RING, snap, clutch hub (Tractors prior to unit #15539)
	70927509	2	RING, snap, clutch hub (Tractors unit #15539 and up)
32	{ 70629868	2	RING, snap, back plate (Tractors prior to unit #15539)
	70927508	2	RING, snap, back plate (Tractors unit #15539 and up)
33	70648027	-	RING KIT (Includes full set for one (1) shaft; items 7, 10, 13 and 14)

Components of item 33

M E M O

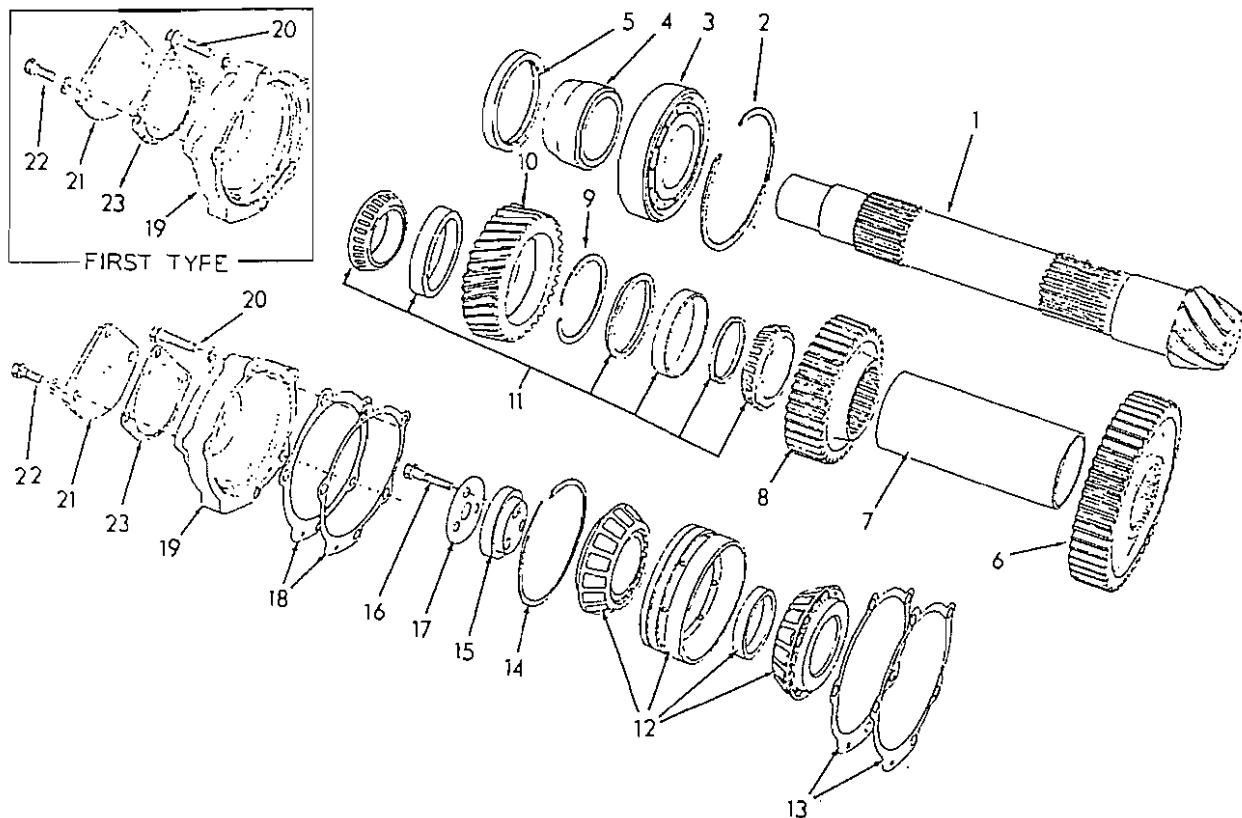
(Revised March 1973)



TRANSMISSION INPUT SHAFT

T-72367

ITEM	PART NO.	QTY.	DESCRIPTION
1	70623975	1	SHAFT
2	70623976	1	SPACER, drive gear (wide)
3	70623977	1	GEAR, drive (36 teeth)
4	70623978	1	SPACER, drive gear (narrow)
5	70623979	1	BEARING, ball
6	70641633	1	NUT, bearing retaining
7	70623984	1	SLEEVE, wear, oil seal
8	70628941	1	SEAL, oil, front end
9	70623981	1	RETAINER, front oil seal
10	70915987 70904208	5	CAPSCREW, 1/2"NC x 1-1/2" LOCKWASHER, 1/2"
11	70629287	1	GASKET, oil seal retainer
12	70623974	1	BEARING, roller
13	70624783	1	RING, snap, shaft
14	70638334	1	RETAINER, rear oil seal
15	70638336	1	SEAL, oil, rear end



TRANSMISSION BEVEL PINION SHAFT

T-72363

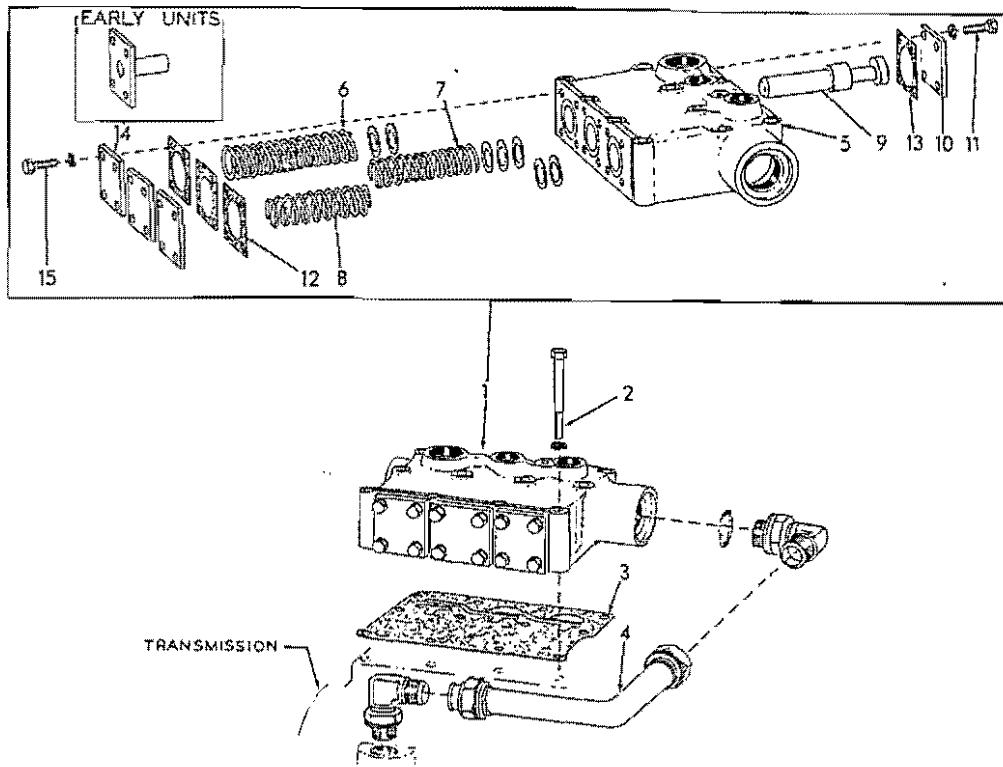
ITEM PART NO. QTY. DESCRIPTION

1	70623949	1	PINION, bevel (11 teeth, left-hand spiral) (Tractors prior to #11428)
1	70648340	1	PINION, bevel (11 teeth, right-hand spiral) (Tractors #11428 thru #13106)
	70659391	1	PINION, bevel (9 teeth) (Tractors #13107 and up)
2	70638335	1	RING, snap, bearing retaining
3	70623991	1	BEARING, roller, rear end
4	70623947	1	SLEEVE, spacing, low speed gear
5	70623971	1	SEAL, oil
6	70645870	1	GEAR, low speed (52 teeth)
7	70623945	1	SLEEVE, gear spacing
8	70624142	1	GEAR, high speed (39 teeth)
9	70634670	1	RING, snap, idling gear
10	70623968	1	GEAR, idling (36 teeth)

(Continued)

## TRANSMISSION BEVEL PINION SHAFT (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
11	70650724	1	BEARING ASSY., roller, idling gear (Consists of 2 ROLLER ASSEMBLIES, 2 CUPS and 2 SPACERS. Serviced only as a unit)
12	70082343	1	BEARING ASSY., roller, front end (Consists of 2 ROLLER ASSEMBLIES, 1 CUP and 1 SPACER. Serviced only as a unit)
13	{ 70623953 70623954 70623955	3 7 10	SHIM, pinion adjustment (.005" thick) SHIM, pinion adjustment (.007" thick) SHIM, pinion adjustment (.010" thick) }
14	70048705	1	RING, snap, front bearing
15	70643028	1	WASHER, end (Not used when special PUSH-START PUMP is installed)
16	70916028	3	CAPSCREW, 1/2" NF x 1-3/4"
17	70632166	1	PLATE, capscrew locking
18	{ 70623956 70623957	4 3	SHIM, bearing retainer (.005" thick) SHIM, bearing retainer (.007" thick) }
19	{ 70623959 70667400	1 1	RETAINER, front bearing (Tractors prior to unit #14713; also later units if equipped with special PUSH-START PUMP) RETAINER, front bearing (Tractors unit #14713 and up)
20	70916315 70904208	5 5	CAPSCREW, 1/2" NC x 2-1/4" LOCKWASHER, 1/2"
21	70643027	1	COVER, front bearing retainer
22	70916271 70904206	3 3	CAPSCREW, 3/8" NC x 1" LOCKWASHER, 3/8" }
23	70632065	1	GASKET, cover }



### TRANSMISSION PRESSURE RELIEF VALVE

T-41893

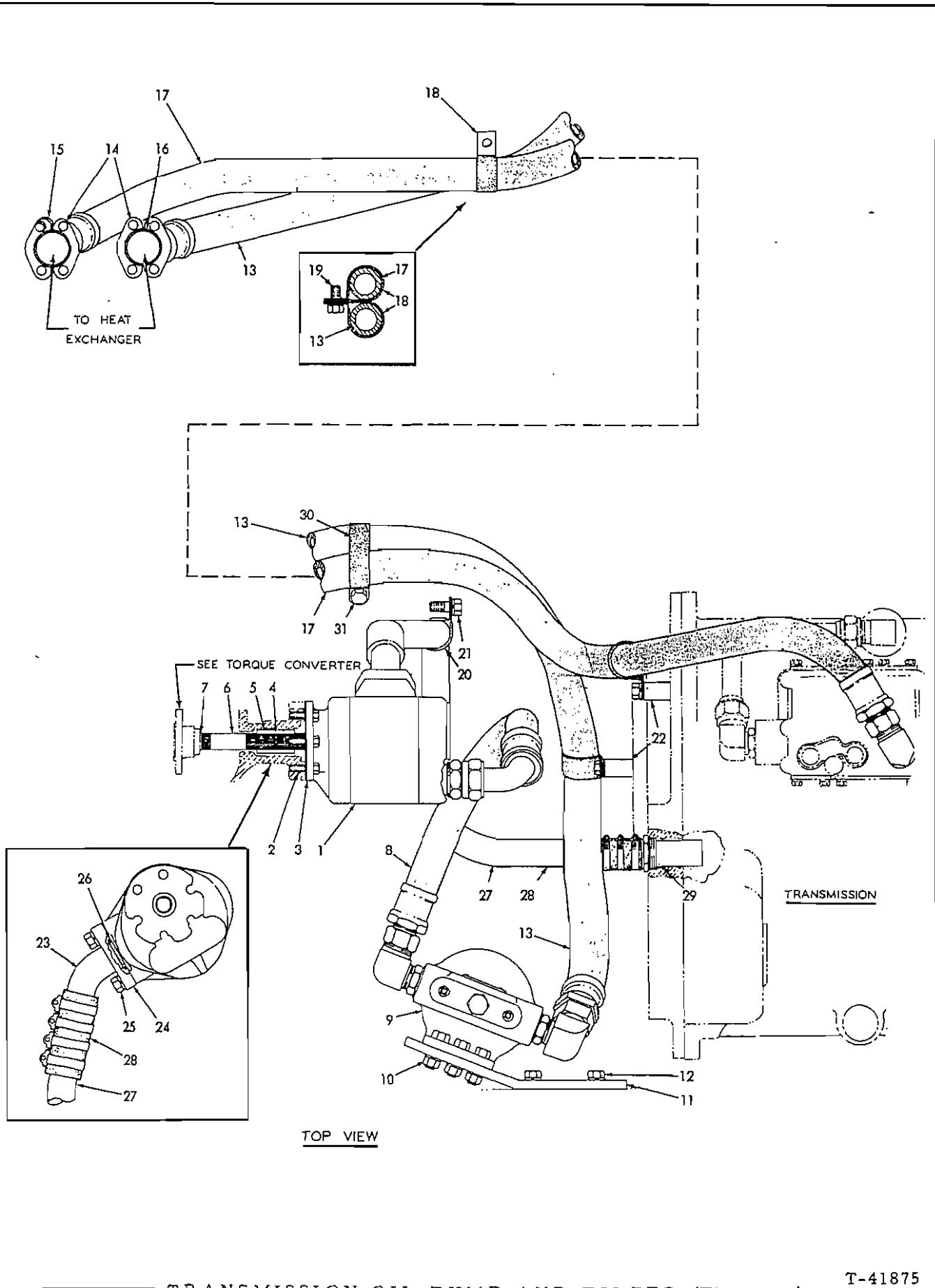
\* Tractors prior to serial No. 13368 ("Twin-Disc" converter)  
 \*\* Tractors serial No. 13368 and up ("Rockford" converter)

ITEM	PART NO.	QTY.	*	**	DESCRIPTION
1	70631876	1	-		VALVE ASSEMBLY
	70664437	-	1		VALVE ASSEMBLY
2	70919227	12	12		CAPSCREW, 3/8"NC x 3-1/4"
	70904206	12	12		LOCKWASHER, 3/8"
3	70629192	1	1		GASKET, relief valve
4	70642317	1	1		TUBE ASSEMBLY, valve to transmission case (includes nuts)
	70921227	2	2		ELBOW, adjustable, 90°, flare type, 1" tube, 1-5/16"NF (Includes washer, nut and O-RING 70921214)
5	70641589	1	-		HOUSING, valve
	70664436	-	1		HOUSING, valve
6	70664439	-	1		SPRING, spool, transmission hydraulic pressure
	70631877	1	-		SPRING, spool, transmission hydraulic pressure
	70910819	2	2		WASHER, shimming (Use as required)

(Continued)

## TRANSMISSION PRESSURE RELIEF VALVE (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
7	70664438	- 1	SPRING, spool, converter charging pressure
	70631879	1 -	SPRING, spool, converter charging pressure
	70910819	2 2	WASHER, shimming (Use as required)
8	70629407	1 -	SPRING, spool, trans. lub. pressure (1/8" wire, 4-1/2" long) (Early units)
	70631879	1 -	SPRING, spool, trans, lub. pressure (1/16" wire, 5-1/4" long) (Late units)
	70629407	- 1	SPRING,spool, trans. lub. pressure
	70910819	2 2	WASHER, shimming (Use as required)
9	-----	3 -	SPOOL, valve (3-3/4" long)(Used prior to tractor #10339. Order SPOOL 70647000 and COVER 70629408)
	70647000	3 3	SPOOL, valve (5-1/4" long)(Effective with tractor #10339)
10	70629408	3 3	COVER, left side
11	70045312	12 12	CAPSCREW, 5/16"NC x 3/4"
	.70904205	12 12	LOCKWASHER, 5/16"
12	70629409	3 3	GASKET, cover (spring side)
13	70629414	3 3	GASKET, cover (spool side)
14	70646440	3 -	COVER, right side (Used prior to tractor #10339)
	70629408	3 3	COVER, right side (Effective with tractor #10339)
15	70045312	12 12	CAPSCREW, 5/16"NC x 3/4"
	70904205	12 12	LOCKWASHER, 5/16"



TRANSMISSION OIL PUMP AND FILTER (First type)

T-41875

TRANSMISSION OIL PUMP AND FILTER

USAGE: Tractors prior to serial No. 12201

ITEM PART NO. QTY. DESCRIPTION

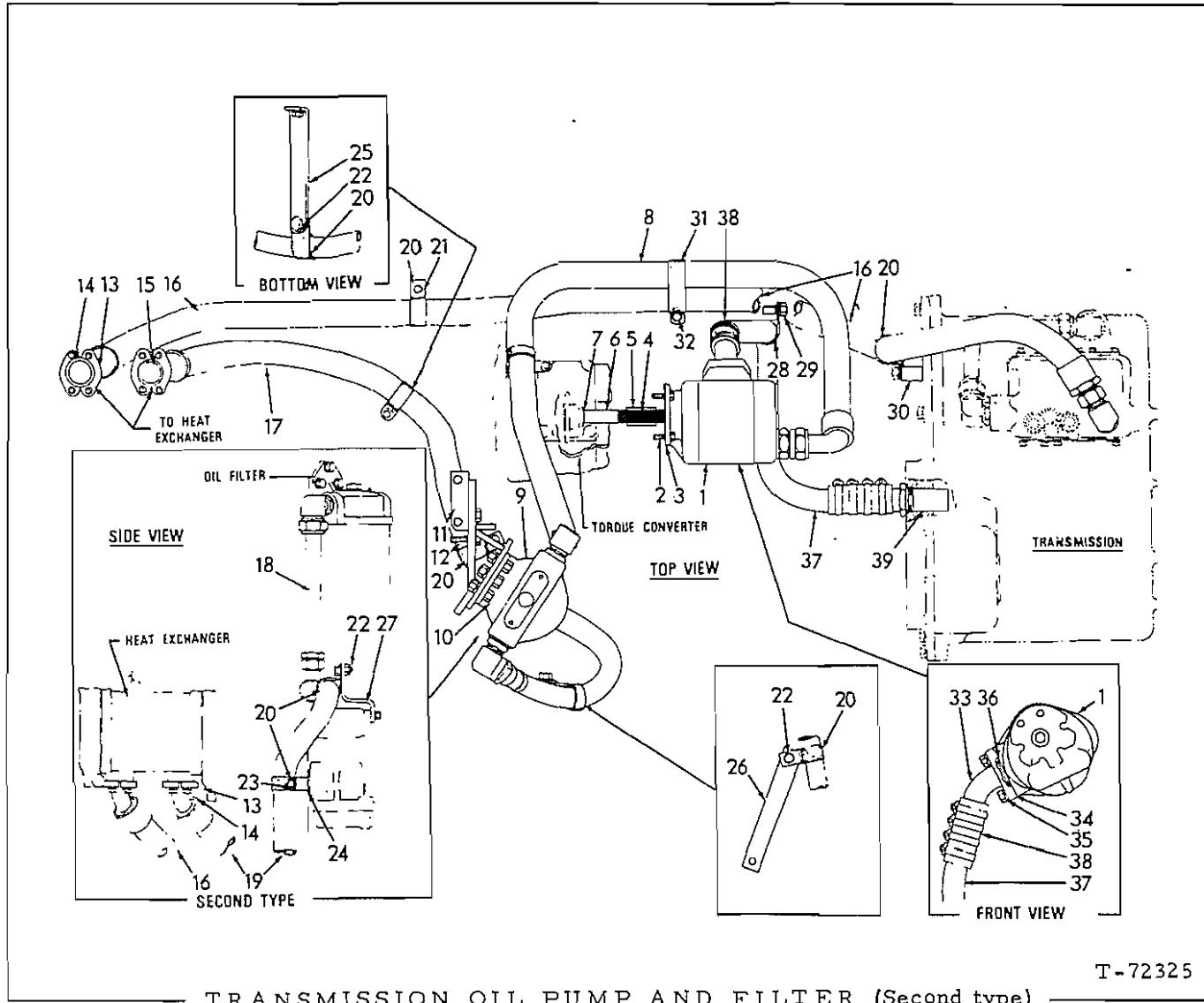
1	{ 70643813      1      PUMP ASSEMBLY, oil (See page 176 for parts)(Used prior to tractor #11218. Order PUMP ASSEMBLY 70650379)	
1	{ 70650379      1      PUMP ASSEMBLY, oil (See page 177 for parts)(Effective with tractor #11218)	
2	70013058      6      CAPSCREW, 3/8"NC x 1-1/4"	
3	70629436      1      GASKET, pump to torque converter	
4	70188476      1      RING, coupling retaining	
5	70643684      1      COUPLING, pump drive (splined)	
6	70643686      1      SHAFT, pump drive	
7	70638758      1      RING, snap, drive shaft	
8	70641337      1      HOSE, pump to filter (See HOSE PARTS) 70922988      1      CONNECTOR, flare type, 1-1/4" tube, 1-5/16"NF male end (Includes O-RING 70921214) 70922975      1      ELBOW, adjustable, 90°, flare type, 1-1/4" tube, 1-5/16"NF (Includes washer, nut and O-RING 70921214)	
9	{ 70637865      1      FILTER ASSEMBLY, oil (Used prior to tractor #11584. Order FILTER ASSEMBLY 70659519)	See page 174 for parts
9	{ 70650397      1      FILTER ASSEMBLY, oil (Effective with tractor #11584. Order FILTER ASSEMBLY 70659519)	
10	70035067      3      CAPSCREW, 1/2"NF x 2" 70904208      3      LOCKWASHER, 1/2" 70911043      3      NUT, 1/2"NF	
11	70642607      1      BRACKET, filter mounting	
12	70035018      4      CAPSCREW, 1/2"NF x 1-1/2" 70904208      4      LOCKWASHER, 1/2"	
13	70644130      1      HOSE, filter to heat exchanger (See HOSE PARTS) 70922975      1      ELBOW, adjustable, 90°, flare type, 1-1/4" tube, 1-5/16"NF (Includes washer, nut and O-RING 70921214)	
14	70921117      4      FLANGE, hose attaching (half only)	
15	70041250      8      CAPSCREW, 7/16"NC x 1-1/4" 70904207      8      LOCKWASHER, 7/16"	
16	70923664      2      O-RING, hose flange	
17	70644130      1      HOSE, heat exchanger to transmission(See HOSE PARTS)(Not used on units equipped with special PUSH-START PUMP) 70922975      1      ELBOW, adjustable, 90°, flare type, 1-1/4" tube, 1-5/16"NF (Includes washer, nut and O-RING 70921214)	
18	70644010      4      CLIP, hose supporting, 1-13/16" diam.	
19	70035221      1      CAPSCREW, 1/2"NC x 1" 70904208      1      LOCKWASHER, 1/2"	
20	70632547      1      CLIP, hose supporting, 1-1/2" diam.	
21	70070467      1      CAPSCREW, 1/2"NF x 1" 70904208      1      LOCKWASHER, 1/2"	

(Continued)

## TRANSMISSION OIL PUMP AND FILTER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
22	70613231	2	BLOCK, spacing,.hose clip
23	70642802	1	ELBOW, suction line
24	70921118	2	FLANGE, elbow attaching (half only)
25	70035190	4	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	4	LOCKWASHER, 1/2"
26	70923578	1	O-RING, elbow flange
27	70633880	1	TUBE, suction line, transmission to pump
28	70631788	2	HOSE, suction line
	70921913	8	CLAMP, hose, 1-13/16" to 2-3/4" diam.
29	70641849	1	ADAPTER, suction line (Includes O-RING 70921887)
	70921887	1	O-RING, adapter sealing
30	70645093	1	CLIP, hose supporting (For two hoses)
31	70067480	1	CAPSCREW, 1/2"NF x 3/4"
	70904208	1	LOCKWASHER, 1/2"

M E M O



T-72325

TRANSMISSION OIL PUMP AND FILTER (Second type)

## TRANSMISSION OIL PUMP AND FILTER

USAGE: Tractors serial No. 12201 thru 13366 ("Twin-Disc" torque converter)

\* Tractors serial No. 12201 thru 13082  
\*\* Tractors serial No. 13083 thru 13366

ITEM	PART NO.	QTY.	*	**	DESCRIPTION
1	70650379	1	1		PUMP ASSEMBLY, oil (See page 177 for parts)
2	70013058	3	3		CAPSCREW, 3/8"NC x 1-1/4"
3	70629436	1	1		GASKET, pump to torque converter
4	70188476	1	1		RING, coupling retaining
5	70643684	1	1		COUPLING, pump drive (splined)
6	70643686	1	1		SHAFT, pump drive
7	70638758	1	1		RING, snap, drive shaft
8	70651059	1	1		HOSE, pump to filter (See HOSE PARTS)
	70922988	1	1		CONNECTOR, flare type, 1-1/4" tube, 1-5/16"NF male end (Includes O-RING 70921214)
	70922975	1	1		ELBOW, adjustable, 90°, flare type, 1-1/4" tube, 1-5/16"NF (Includes washer, nut and O-RING 70921214)
9	{ 70650397 70659519	1	-		FILTER ASSEMBLY (Tractors prior to #12957) Order 70659519}
		1	1		FILTER ASSEMBLY (Tractors #12957 and up)
10	70035018	3	3		CAPSCREW, 1/2"NF x 1-1/2"
	70904208	3	3		LOCKWASHER, 1/2"
	70911043	3	3		NUT, 1/2"NF
11	70653867	1	1		BRACKET, filter mounting
12	70040013	2	2		CAPSCREW, 7/16"NC x 1-3/4"
	70904207	2	2		LOCKWASHER, 7/16"
	70074790	2	2		WASHER, plain
13	70921117	4	4		FLANGE, hose attaching (half only)
14	70041250	8	8		CAPSCREW, 7/16"NC x 1-1/4"
	70904207	8	8		LOCKWASHER, 7/16"
15	70923664	2	2		O-RING, hose flange
16	70644130	1	1		HOSE, heat exchanger to transmission (See HOSE PARTS)(Not used on units equipped with special PUSH-START PUMP)
	70922975	1	1		ELBOW, adjustable, 90°, flare type, 1-1/4" tube, 1-5/16"NF (Includes washer, nut and O-RING 70921214)
17	70644130	1	-		HOSE, filter to heat exchanger (See HOSE PARTS)
	70922975	1	-		ELBOW, adjustable, 90°, flare type, 1-1/4" tube, 1-5/16"NF (Includes washer, nut and O-RING 70921214)
18	70662247	-	1		TUBE ASSEMBLY, filter discharge line (Includes nut)
	70922975	-	1		ELBOW, adjustable, 90°, flare type, 1-1/4" tube, 1-5/16"NF (Includes washer, nut and O-RING 70921214)
19	70662248	-	1		HOSE, filter discharge line (See HOSE PARTS)

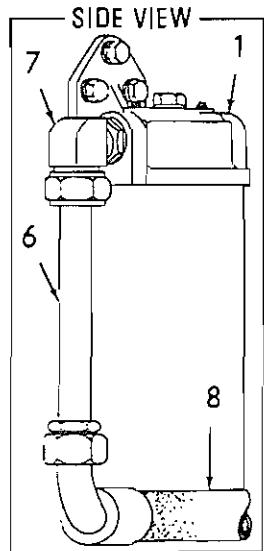
} See page 174  
for parts

(Continued)

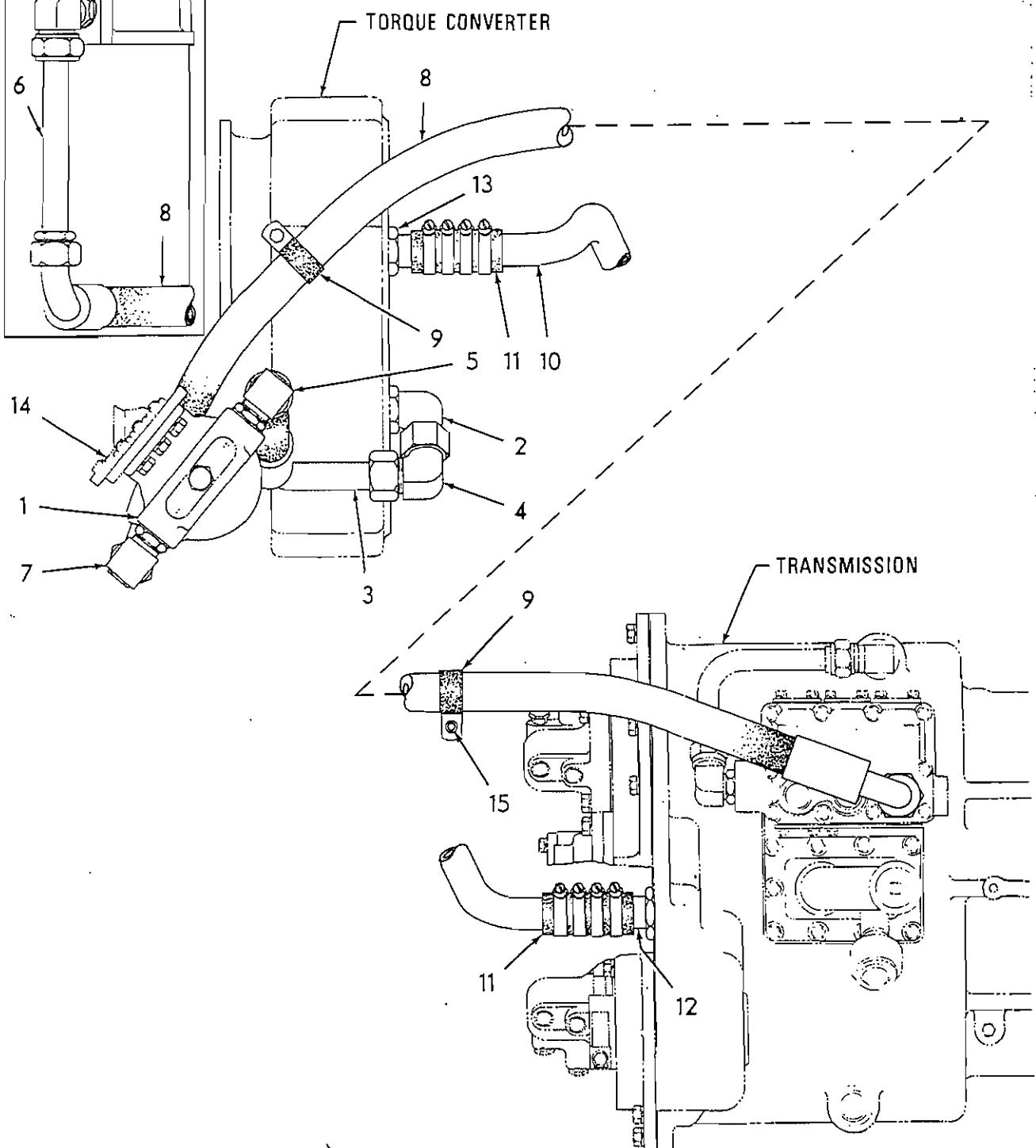
## TRANSMISSION OIL PUMP AND FILTER (Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
20	70644010	6	5	CLIP, hose supporting, 1-13/16" diam.
21	70035221	1	1	CAPSCREW, 1/2"NC x 1"
22	70070467	2	1	CAPSCREW, 1/2"NF x 1"
23	70916313	-	1	CAPSCREW, 1/2"NC x 1-3/4"
	70904208	3	3	LOCKWASHER, 1/2"
	70911043	2	1	NUT, 1/2"NF
24	70097413	-	1	BLOCK, spacing, hose supporting clip
25	70657513	1	-	ANGLE, hose supporting
26	70639866	1	-	PLATE, hose supporting
27	70662246	-	1	ANGLE, hose supporting
28	70632547	1	1	CLIP, hose supporting, 1-1/2" diam.
29	70070467	1	1	CAPSCREW, 1/2"NF x 1"
	70904208	1	1	LOCKWASHER, 1/2"
30	70613231	1	1	BLOCK, spacing, hose supporting clip
31	70645093	1	1	CLIP, hose supporting (For two hoses)
32	70067480	1	1	CAPSCREW, 1/2"NF x 3/4"
	70904208	1	1	LOCKWASHER, 1/2"
33	70642802	1	1	ELBOW, suction line
34	70921118	2	2	FLANGE, elbow attaching (Half only)
35	70915987	4	4	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	4	4	LOCKWASHER, 1/2"
36	70923578	1	1	O-RING, elbow flange
37	70633880	1	1	TUBE, suction line, transmission to pump
38	70631788	2	2	HOSE, suction line
	70921913	8	8	CLAMP, hose, 1-13/16" to 2-3/4" diam.
39	70641849	1	1	ADAPTER, suction line (Includes O-RING 70921887)
	70921887	1	1	O-RING, adapter sealing

M E M O



TOP VIEW



TRANSMISSION OIL PUMP AND FILTER (Third type)

T-74885

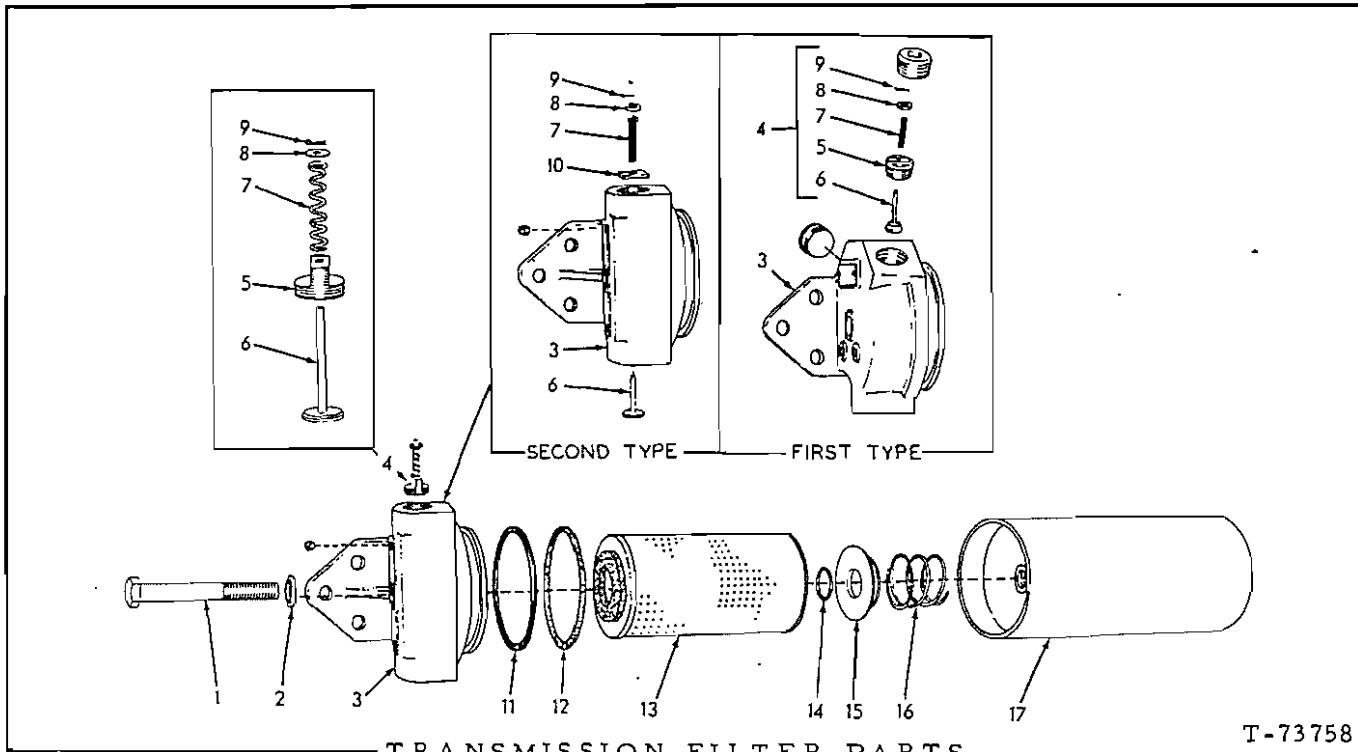
## TRANSMISSION OIL PUMP AND FILTER

USAGE: Tractors serial No. 13367 and up ("Rockford" torque converter)

ITEM PART NO. QTY. DESCRIPTION

NOTE: Oil pump is an integral part of TORQUE  
CONVERTER ASSEMBLY 70664700

1	70659519	1	FILTER ASSY., oil (See page 174 for parts)
	70915987	3	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	3	LOCKWASHER, 1/2"
2	70666115	1	ELBOW, filter supply line (Includes washer, nut and O-Ring 70921235)
3	70664615	1	HOSE, torque converter to filter (See HOSE PARTS)
4	70925641	1	ELBOW, flare type, swivel nut, 1-1/4" tube
5	70922975	1	ELBOW, adjustable, 90°, flare type, 1-1/4" tube, 1-5/16" str.thd., male end (Includes washer, nut and O-Ring 70921214)
6	70662247	1	TUBE ASSY., discharge line (Includes nuts)(Not used when special PUSH-START PUMP is installed)
7	70922975	1	ELBOW, adjustable, 90°, flare type, 1-1/4" tube, 1-5/16" str.thd., male end (Includes washer, nut and O-Ring 70921214)
8	70664507	1	HOSE, filter discharge line (See HOSE PARTS)(Not used when special PUSH-START PUMP is installed)
	70922988	1	CONNECTOR, flare type, 1-1/4" tube, str.thd., male end (Includes O-Ring 70921214)
9	70644010	2	CLIP, hose supporting (Not used when special PUSH-START PUMP is installed)
	70916273	1	CAPSCREW, 3/8"NC x 1-3/4"
	70904206	1	LOCKWASHER, 3/8"
	70911115	1	WASHER, plain, SAE std., 3/8"
10	70664429	1	TUBE, oil return, transmission to torque converter
11	70631788	2	HOSE, oil return tube
	70921912	8	CLAMP, hose, 1-1/16" to 2" diam.
12	70641849	1	ADAPTER, oil return line (Includes O-RING 70921887)(Transmission end)
	70921887	1	O-RING, adapter sealing
13	70664629	1	ADAPTER, oil return line (Includes O-RING 70921235)(Converter end)
	70921235	1	O-RING, adapter sealing
14	-----	1	BRACKET, filter mounting (See page 103 if for units with standard dry-type air cleaner)
	70667344	1	BRACKET, filter mounting (For units with optional oil-bath air cleaner only)
	70920648	2	CAPSCREW, 7/16"NC x 2"
	70904207	2	LOCKWASHER, 7/16"
15	70619331	1	BLOCK, clip spacing (1" long)(Not used when special PUSH-START PUMP is installed)



T-73758

**TRANSMISSION FILTER PARTS**

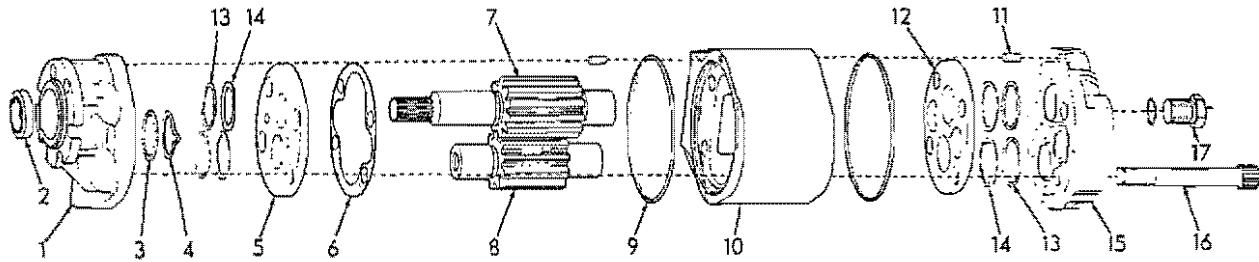
- \* 70637865 FILTER ASSEMBLY (See page 165.)
- \*\* 70650397 FILTER ASSEMBLY (See pages 165 and 169)
- △ 70659519 FILTER ASSEMBLY (See pages 169 and 173)

ITEM	PART NO.	QUANTITY	*	**	△	DESCRIPTION
1	{ 70604930 70923438	1 -	-	1	-	CAPSCREW, tank retaining (3/4" NF x 5") CAPSCREW, tank retaining (3/4" NF x 5-1/2")
2	70641029	1	1	1	-	WASHER, tank retaining capscrew
3	{ 70640744 70901666 70650427 70659514 70901652	1 2 - - - 2	-	-	- - - 1 2	HEAD PLUG, pipe, ctsk-hd., 1" NPT HEAD ASSEMBLY (Includes items 6 thru 10 and PLUGS indented below) HEAD PLUG, pipe, 1/4" NPT
4	{ 70633995 70661534	2 -	-	1	-	VALVE ASSEMBLY, by-pass (Consists of items 5 thru 9) VALVE ASSEMBLY, by-pass (Consists of items 5 thru 9)
5	-----	2	-	1	-	HOUSING, by-pass valve (Not serviced separately)
6	{ ----- 70650853	2 - 1	-	1	-	VALVE, by-pass (Not serviced separately) VALVE, by-pass
7	{ 70631870 70650430 70661268	2 - - 1	-	-	SPRING, by-pass valve SPRING, by-pass valve SPRING, by-pass valve	

(Continued)

## TRANSMISSION FILTER PARTS (Continued)

ITEM	PART NO.	QUANTITY			DESCRIPTION
		*	**	△	
8	70632060	2	1	1	WASHER, by-pass valve spring
9	70632061	2	-	-	RING, snap, by-pass valve (Early units)
	70900970	2	1	1	PIN, cotter, 1/16" x 1/2" (Late units)
10	70650431	-	1	-	SPANNER, by-pass valve spring
11	70646532	1	1	1	RING, back-up
12	70923836	1	1	1	O-RING, filter head
13	70640780	1	1	1	ELEMENT KIT (Includes items 2, 11 and 12)
14	70923649	1	1	1	O-RING, element seating plate
15	70641031	1	1	1	PLATE, element seating
16	70641027	1	1	1	SPRING, element seating plate
17	70650428	1	1	1	TANK



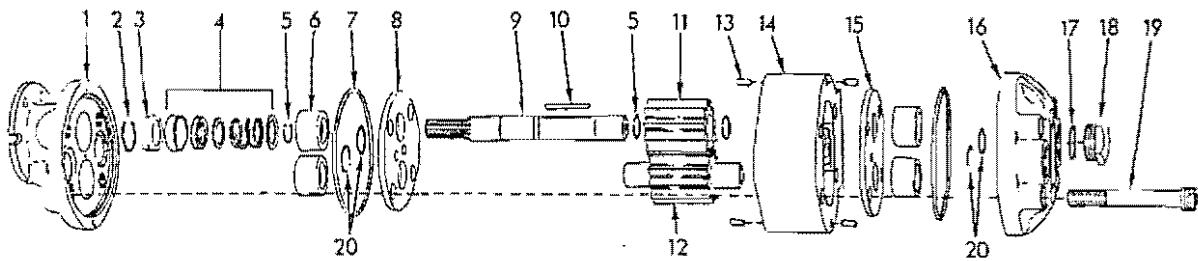
OIL PUMP ASSEMBLY 70643813

T-70431

USAGE: See page 165

ITEM PART NO. QTY. DESCRIPTION

1	70644584	1	ADAPTER ASSEMBLY, pump mounting (Includes bushings which are not serviced separately)
2	70644427	1	SEAL, oil, drive shaft and gear
3	70923571	1	O-RING, adapter
4	70641483	1	RING, back-up
5	70644379	1	PLATE, wear (adapter side)
6	{ 73003691 73003692	-	GASKET, shimming, wear plate (.001") } Use as required GASKET, shimming, wear plate (.002") }
7	70644969	1	SHAFT AND GEAR, drive
8	70644967	1	SHAFT AND GEAR, driven
9	70923591	2	O-RING, sealing pump housing
10	70644970	1	HOUSING, pump
11	73015658	4	PIN, dowel, pump housing (hollow)
12	70644353	1	PLATE, wear (cover side)
13	70923570	4	O-RING, cover and adapter
14	70644430	4	RING, back-up, cover and adapter o-ring
15	70644971	1	COVER ASSEMBLY, pump (Includes bushings which are not serviced separately)
16	70644972	4	CAPSCREW (hex-socket hd., 5/8"NF x 4-3/4")
17	70921204 70921206	1	PLUG, cover (Includes O-RING indented below) O-RING, plug sealing



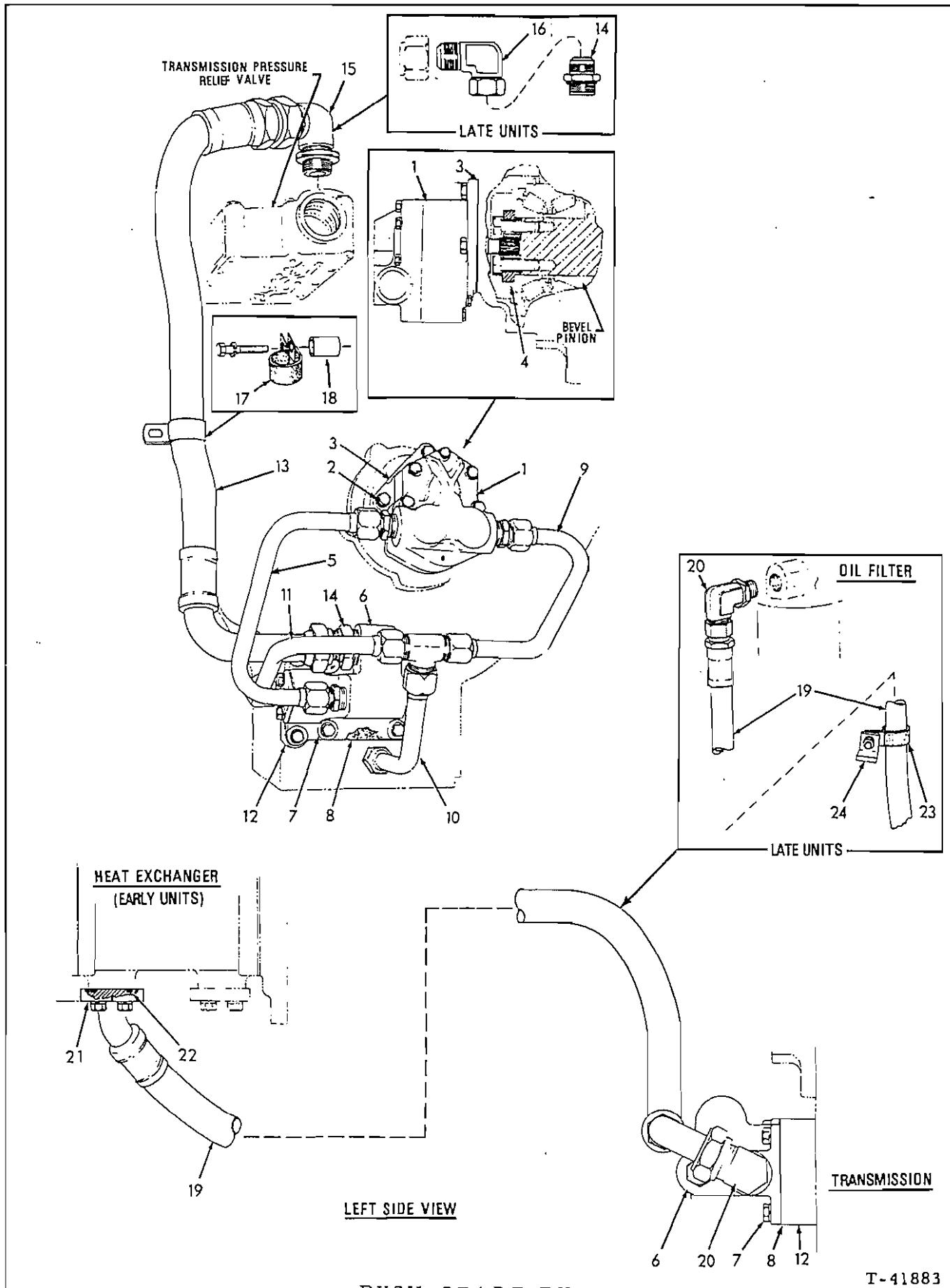
OIL PUMP ASSEMBLY 70650379

T-71878

USAGE: See pages 141 and 145.

ITEM PART NO. QTY. DESCRIPTION

1	70650898	1	ADAPTER, pump mounting
2	73029725	1	O-RING, seal seat
3	73007752	1	SEAT ASSEMBLY, drive shaft seal (Includes item 2)
4	73007753	1	SEAL ASSEMBLY, drive shaft (Serviced only as a unit)
5	73003689	3	RING, snap, drive shaft
6	73025030	4	BEARING, needle
7	70923591	2	O-RING, pump housing
8	73025018	1	PLATE, wear, drive end
9	70650897	1	SHAFT, drive
10	73006663	1	PIN, drive shaft
11	73006665	1	GEAR, drive shaft
12	73003004	1	GEAR, driven
13	73003002	4	PIN, dowel
14	70650899	1	HOUSING
15	73014693	1	PLATE, wear, rear end
16	70650902	1	COVER, rear
17	70921214	1	O-RING, rear cover plug
18	70921216	1	PLUG, rear cover (Includes item 17)
19	73003010	4	CAPSCREW, hex-socket-hd., 5/8"NF x 4-1/2"
20	70923813	4	O-RING, wear plate

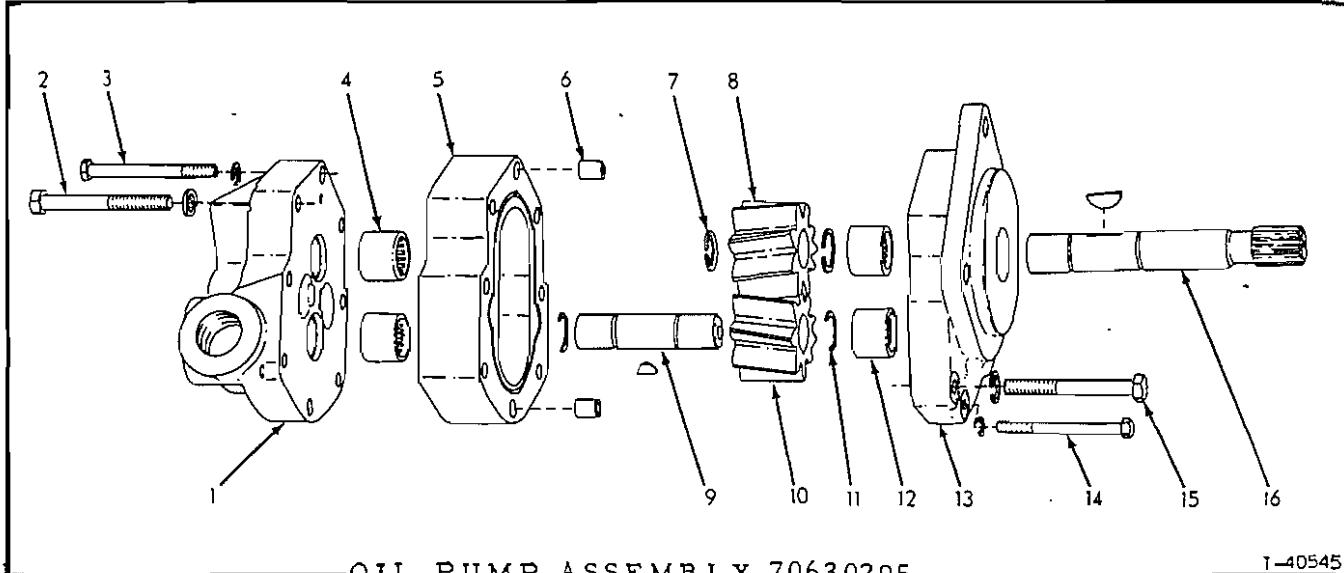


PUSH-START PUMP

USAGE: Special equipment

\* Tractors prior to serial No. 13367  
\*\* Tractors serial No. 13367 and up

ITEM	PART NO.	QTY. *    **	DESCRIPTION
1	70630295	1    1	PUMP ASSEMBLY, oil (See page 180 for parts)
2	70919224	3    3	CAPSCREW, 3/8"NC x 1-1/8"
	70904206	3    3	LOCKWASHER, 3/8"
3	70632065	1    1	GASKET, pump mounting
4	70632066	1    1	WASHER, pump coupling (Replaces standard WASHER 70643028)
5	70642889	1    1	TUBE ASSEMBLY, discharge (Includes nuts)
	70919342	2    2	CONNECTOR, flare type, 3/4"tube, 3/4"NPT male
6	70628521	1    1	VALVE ASSEMBLY, diverting (See page 181 for parts)
	70920525	1    1	PLUG, pipe, hex-hd., 3/4"NPT
7	70912069	6    6	CAPSCREW, 3/8"NC x 2-1/2"
	70904206	6    6	LOCKWASHER, 3/8"
8	70627347	1    1	GASKET, diverting valve
9	70643466	1    1	TUBE ASSEMBLY, suction, pump to tee (Includes nuts)
	70919342	1    1	CONNECTOR, flare type, 3/4" tube, 3/4"NPT male
10	70642886	1    1	TUBE ASSEMBLY, suction, tee to sump (Includes nuts)
	70919342	1    1	CONNECTOR, flare type, 3/4"tube, 3/4"NPT male
	70919520	1    1	TEE, union, flare type, 3/4" tube
11	70642888	1    1	TUBE ASSEMBLY, suction, tee to spacing plate (Includes nuts)
	70921203	1    1	ELBOW, adjustable, 90°, flare type, 3/4" tube, 1-1/16"thd. (Includes washer, nut and O-RING 70921206)
12	70642891	1    1	PLATE, valve spacing
13	70641338	1    1	HOSE, oil discharge (See HOSE PARTS)
14	70922988	1    2	CONNECTOR, flare type, 1-1/4" tube, 1-5/16"NF male end (Includes O-RING 70921214)
15	70922975	1    -	ELBOW, adjustable, 90°, flare type, 1-1/4" tube, 1-5/16"NF (Includes washer, nut and O-RING 70921214)
16	70925641	-    1	ELBOW, 90°, flare type, 1-1/4" tube
17	70644010	-    1	CLIP, supporting, discharge hose
	70915969	-    1	CAPSCREW, 1/2"NC x 3"
	70904208	-    1	LOCKWASHER, 1/2"
18	70613231	-    1	BLOCK, clip spacing
19	{ 70641339	1    -	HOSE, heat exchanger to diverter valve (See HOSE PARTS)
	70667126	-    1	HOSE, oil filter to diverter valve
20	70922975	1    2	ELBOW, adjustable, 90°, flare type, 1-1/4" tube, 1-5/16"NF (Includes washer, nut and O-RING 70921214)
21	70921117	2    -	FLANGE, hose attaching (half only)
	70916197	4    -	CAPSCREW, 7/16"NC x 1-1/4"
	70904207	4    -	LOCKWASHER, 7/16"
22	70923664	1    -	O-RING, hose flange
23	70644010	-    1	CLIP, supporting, supply hose
	70916311	-    1	CAPSCREW, 1/2"NC x 1-1/4"
	70910244	-    1	WASHER, plain, SAE std., 1/2"
	70904208	-    1	LOCKWASHER, 1/2"
	70911028	-    1	NUT, 1/2"NC
24	70642672	-    1	ANGLE, supporting, supply hose



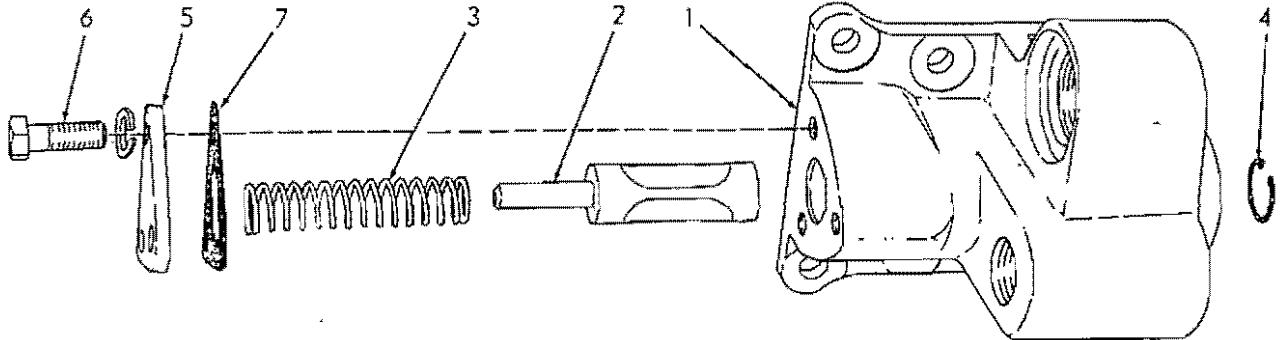
OIL PUMP ASSEMBLY 70630295

T-40545

USAGE: See page 179

ITEM PART NO. QTY. DESCRIPTION

1	70641854	1	COVER ASSEMBLY (Includes item 4)
2	70086546	4	CAPSCREW, 5/16"NC x 2-3/4"
	70904205	4	LOCKWASHER, 5/16"
3	70641564	1	CAPSCREW, 1/4"NC x 2-3/4"
	70904204	1	LOCKWASHER, 1/4"
4	70208253	2	BEARING, needle, rear end
5	73038935	1	PLATE, gear
6	73038937	2	PIN, dowel (hollow)
7	73038933	2	RING, snap, drive shaft
8	73038938	1	GEAR, drive shaft
9	70641839 70921396	1	SHAFT, idler gear KEY, woodruff, 1/8" x 3/8"
10	70641841	1	GEAR, idler
11	73039013	2	RING, snap, idler shaft
12	70208253	2	BEARING, needle, drive end
13	70641855	1	BODY ASSEMBLY (Includes item 12)
14	70611975 70904204	1	CAPSCREW, 1/4"NC x 2-1/2" LOCKWASHER, 1/4"
15	70033751 70904205	2	CAPSCREW, 5/16"NC x 2-1/2" LOCKWASHER, 5/16"
16	70641840 70905122	1	SHAFT, drive KEY, woodruff, 1/8" x 3/4"

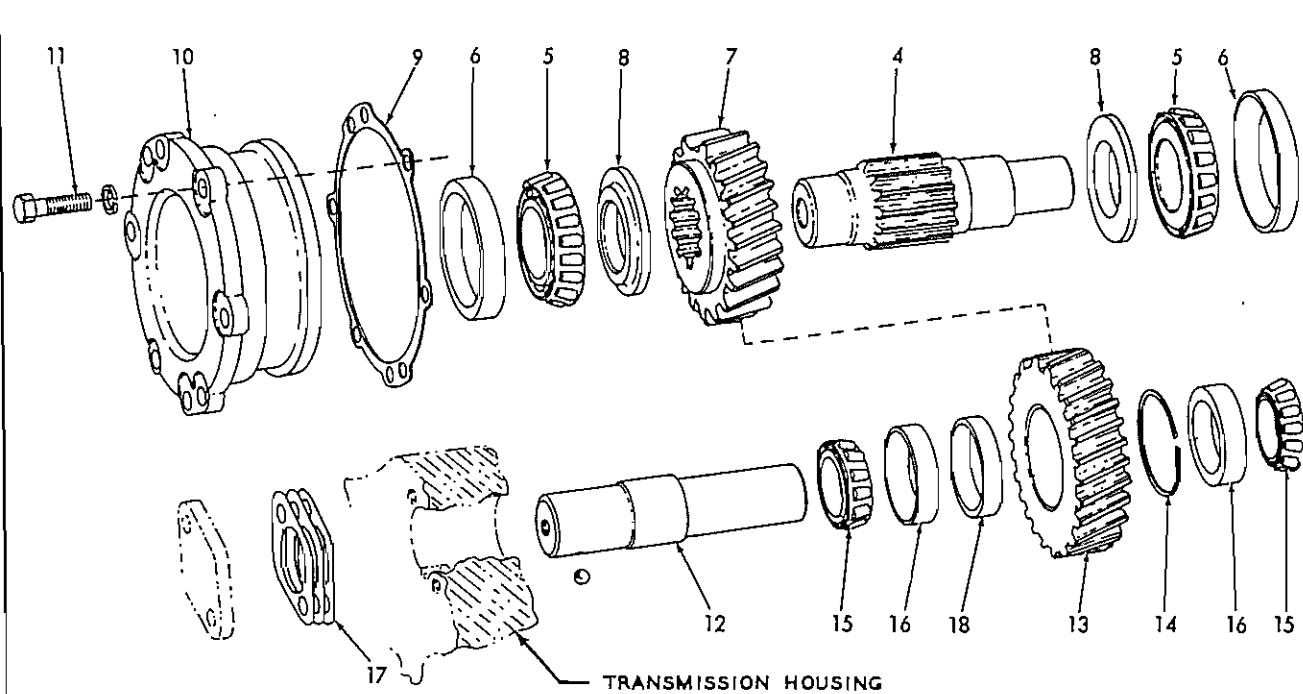
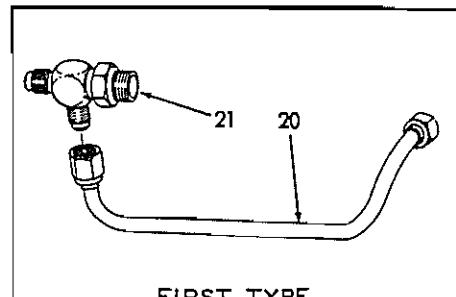
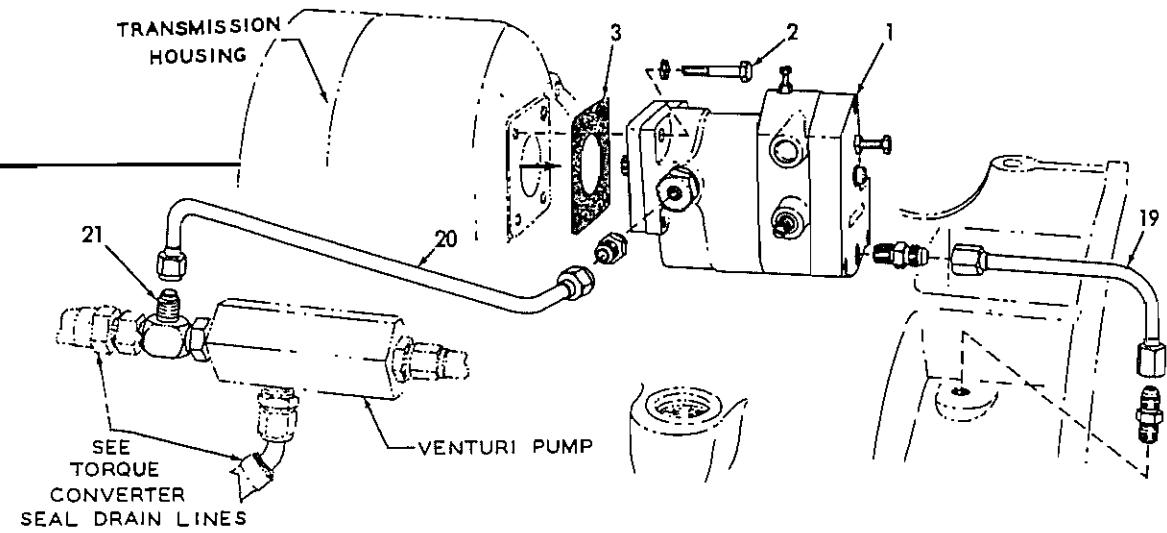


VALVE ASSEMBLY 70628521

T-41796

USAGE: See page 179

ITEM	PART NO.	QTY.	DESCRIPTION
1	70628065	1	HOUSING
2	70629391	1	SPOOL
3	70035337	1	SPRING
4	70075354	1	RING, snap
5	70629393	1	PLATE, cover
6	70035439 70904206	3	CAPSCREW, 3/8"NC x 1" LOCKWASHER, 3/8"
7	70629392	1	GASKET, cover plate



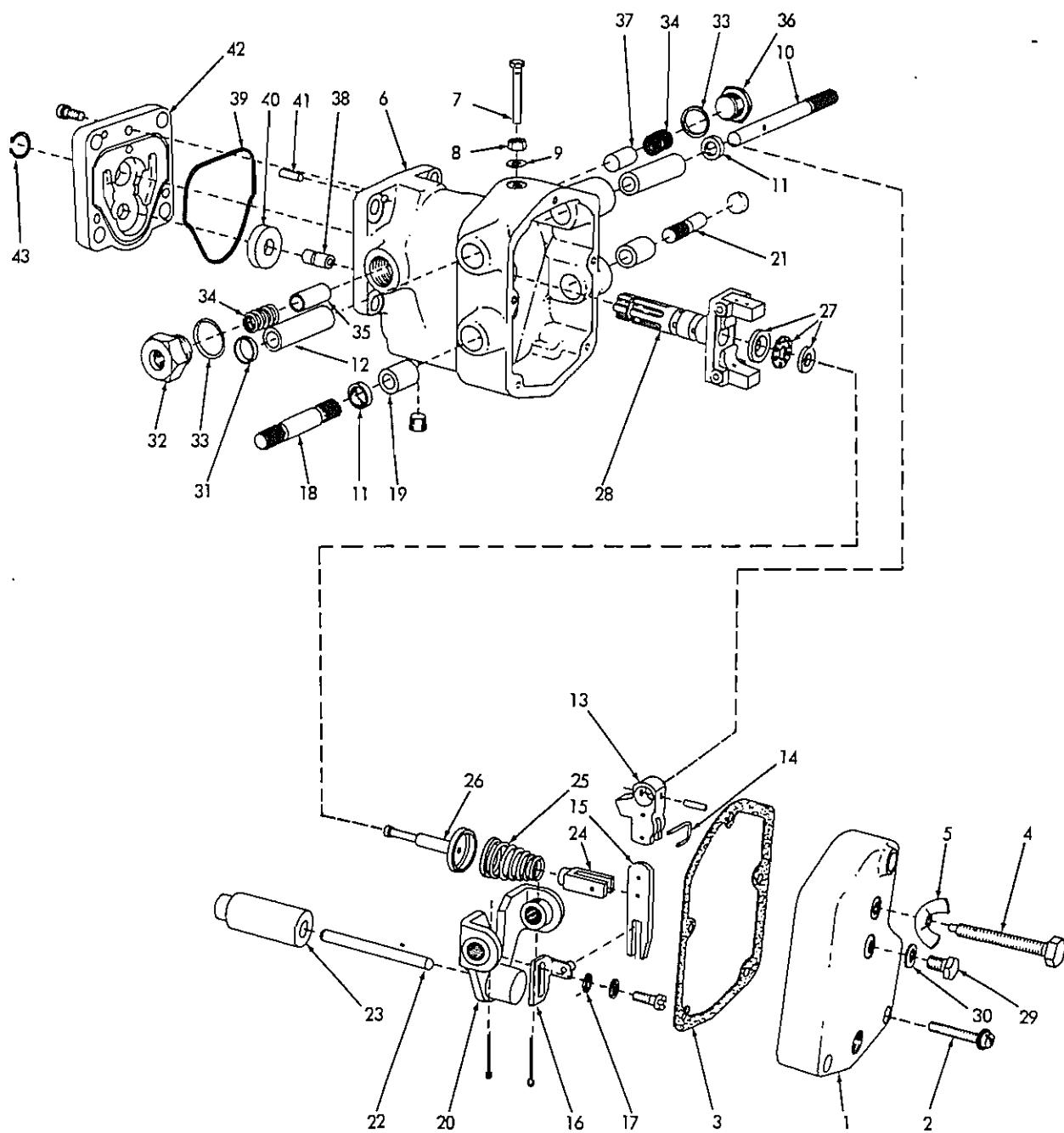
GROUND SPEED GOVERNOR

T-72365

## GROUND SPEED GOVERNOR

USAGE: Special equipment

ITEM	PART NO.	QTY.	DESCRIPTION
1	70638088	1	GOVERNOR ASSEMBLY (See page 185 for parts)
2	70916279	4	CAPSCREW, 5/16"NC x 1-1/2"
	70904205	4	LOCKWASHER, 5/16"
3	70624706	1	GASKET, governor
4	70628440	1	SHAFT, governor drive
5	70628442	2	CONE ASSEMBLY, drive shaft bearing
6	70209942	2	CUP, drive shaft bearing
7	70628039	1	GEAR, drive (20 teeth)
8	70628443	2	SPACER, drive shaft bearing
9	70623989	5	SHIM, adjustment, drive shaft bearing (.005" thick)
	70623997	5	SHIM, adjustment, drive shaft bearing (.007" thick)
	70623995	5	SHIM, adjustment, drive shaft bearing (.010" thick)
10	70628441	1	RETAINER, drive shaft bearing
11	70916271	6	CAPSCREW, 3/8"NC x 1"
	70904206	6	LOCKWASHER, 3/8"
12	70628768	1	SHAFT, idler gear
	70905359	1	BALL, steel, 5/16" diam.
13	70628038	1	GEAR, idler (21 teeth)
14	70068173	1	RING, snap, idler gear
15	7336917	2	CONE ASSEMBLY, idler gear shaft bearing
16	7336916	2	CUP, idler gear shaft bearing
17	70631888	2	SHIM, adjustment, idler gear shaft bearing (.005" thick)
	70631887	2	SHIM, adjustment, idler gear shaft bearing (.007" thick)
	70631886	2	SHIM, adjustment, idler gear shaft bearing (.010" thick)
18	70628799	1	SPACER, bearing
19	70629312	1	TUBE ASSEMBLY, governor to transmission case (Includes nuts)
	70919062	2	CONNECTOR, flare type, 3/8" tube, 1/4"NPT male
20	70643904	1	TUBE ASSEMBLY, governor to tee (Includes nuts)(Tractors prior to #12201)
	70659834	1	TUBE ASSEMBLY, governor to tee (Includes nuts)(Tractors #12201 and up)
	70919072	1	CONNECTOR, flare type, 3/8" tube, 1/8"NPT male
21	70643905	1	TEE, tube connecting (Includes O-RING 70921349)



GOVERNOR ASSEMBLY 70638088

T-33411

## GOVERNOR ASSEMBLY 70638088

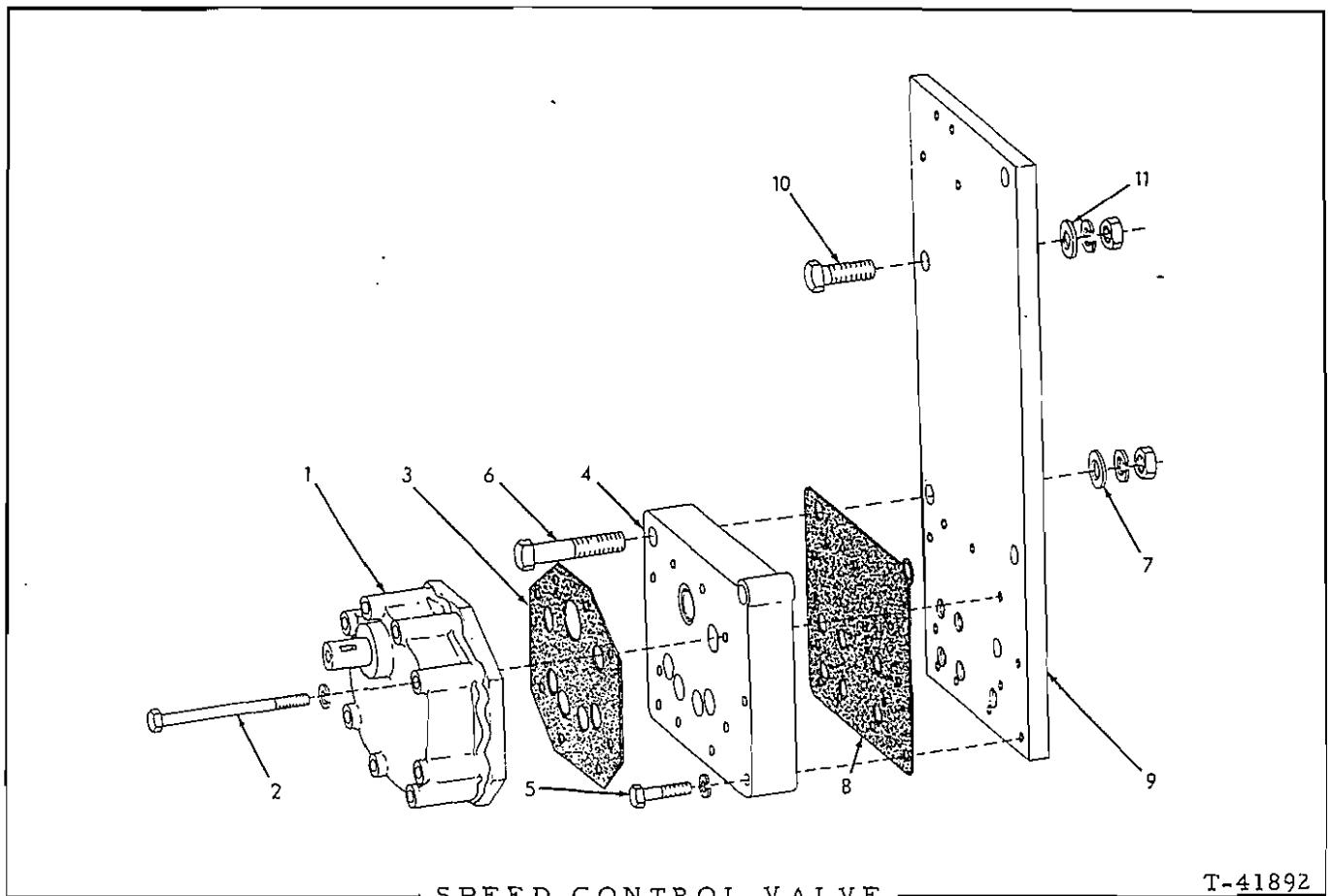
USAGE: See page 183

ITEM	PART NO.	QTY.	DESCRIPTION
1	70628401	1	COVER
2	70638236	3	SCREW ASSY. (Includes lockwasher)
3	70628399	1	GASKET, cover to case
4	70629890	1	SCREW, low speed adjustment
5	70628378	1	NUT, wing, 1/4"NF
6	70629909 70910231	1 1	CASE ASSY. (Includes items 12, 19 and 38) PLUG, pipe, hex-socket, 1/8"NPT
7	70628382	1	CAPSCREW, high speed adjustment
8	70628381	1	NUT, hex, #10-32NF
9	70631106	1	WASHER, high speed adjustment capscrew
10	70629887	1	SHAFT, speed control
11	70629898	2	SEAL, oil
12	70629900	2	BEARING, plain, speed control shaft
13	70629881 70919180	1 1	LEVER, speed control PIN, roll, 1/8"x 5/8"
14	70629879	1	PIN, speed control lever
15	70629882	1	LEVER, floating
16	70629895 70901781 70909055 70629901	1 1 1 1	BRACKET ASSY., speed droop adjustment (Includes pin) SCREW, machine, fil-hd., #10-32 NF x 1/2" LOCKWASHER, int-tooth, #10 WASHER, plain
18	70629886	1	SHAFT, terminal
19	70629899	2	BEARING, plain, terminal shaft
20	70629894 70900801	1 2	LEVER, terminal shaft PIN, cotter, 3/32"x 3/4"
21	70629885	1	SHAFT, stub, terminal shaft lever
22	70629907	1	PIN, power piston
23	70629884	1	PISTON, power
24	70629897	1	FORK, ballhead spring
25	70638232	1	SPRING, ballhead
26	70629888	1	PLUNGER, ballhead
27	70628384	1	BEARING, thrust, ballhead plunger

(Continued)

## GOVERNOR ASSEMBLY 70638088 (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
28	70634427	1	BALLHEAD ASSY. (Includes weights. Serviced only as a
29	70628403	1	CAPSCREW, vent
30	70628402	1	WASHER, vent capscrew
31	70629908	2	PLUG, cup, governor case
32	70629892	1	PLUG, oil inlet
33	70629902	2	WASHER, oil inlet plug
34	70629904	2	SPRING, oil inlet sleeve
35	70629891	1	SLEEVE, oil inlet
36	70629893	1	PLUG, governor case
37	70629889	1	PLUG, oil passage
38	-----	1	STUD, locating, base spacer
39	70628392	1	RING, sealing, governor base
40	70628391	1	SPACER, governor base
41	{ 70629906	2	PIN, dowel (Standard size)
	70630578	2	PIN, dowel (Oversize)
42	70628388	1	BASE
	70901223	3	SCREW, machine, fil-hd., #12-24NC x 1/2"
43	70628389	1	RING, snap, ballhead

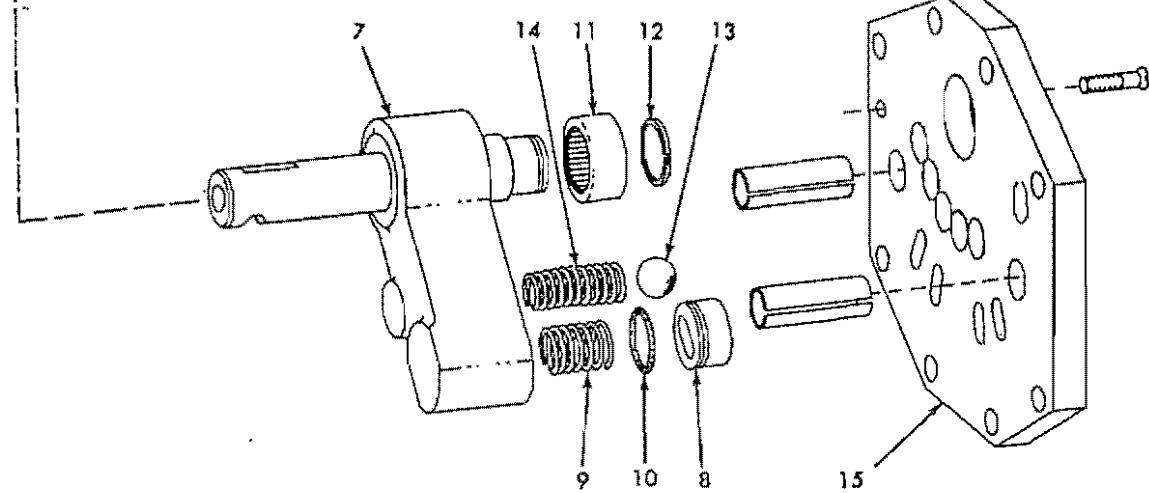
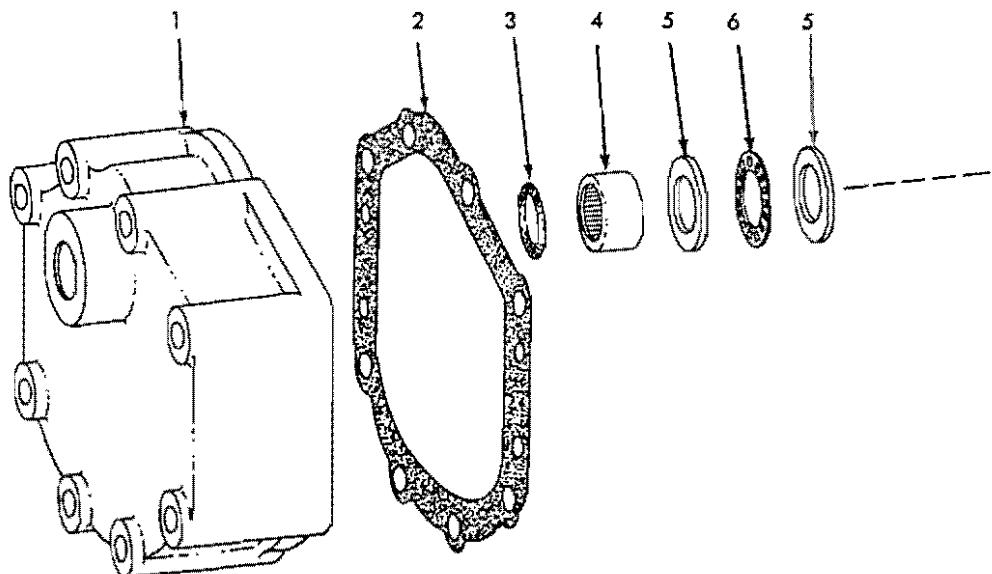


SPEED CONTROL VALVE

T-41892

ITEM PART NO. QTY. DESCRIPTION

1	{ 70629132 70651554	1 1	VALVE ASSY. (Used prior to tractor #12261. Order 70651554) VALVE ASSY. (Effective with tractor #12261)	See page 189 for parts
2	70637661 70904205	8 8	CAPSCREW, 5/16"NF x 4-3/8" LOCKWASHER, 5/16"	
3	70629136	1	GASKET, valve	
4	70641308	1	MANIFOLD, valve	
5	70087807 70904205	3 3	CAPSCREW, 5/16"NF x 2" LOCKWASHER, 5/16"	
6	70070403	2	CAPSCREW, 1/2"NF x 3"	
7	70064531 70904208 70911043	2 2 2	WASHER, plain LOCKWASHER, 1/2" NUT, 1/2"NF	
8	70641346	1	GASKET, valve manifold	
9	70641335	1	PLATE, manifold mounting	
10	70035073	2	CAPSCREW, 1/2"NF x 1-3/4"	
11	70064531 70904208 70911043	2 2 2	WASHER, plain LOCKWASHER, 1/2" NUT, 1/2"NF	



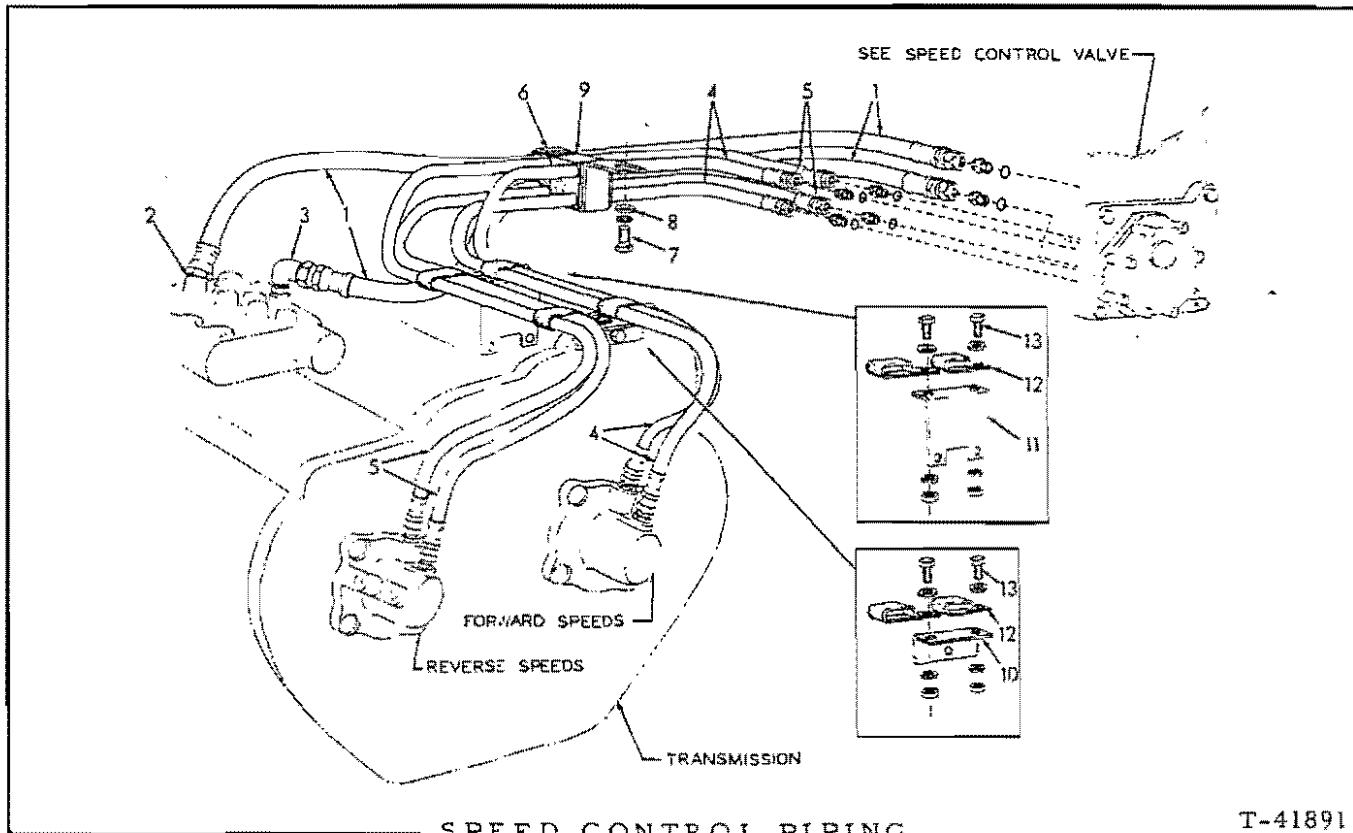
CONTROL VALVE PARTS

T-41941

## CONTROL VALVE PARTS

\* VALVE ASSY. 70629132 }  
 \*\* VALVE ASSY. 70651554 } See page 187

ITEM	PART NO.	QTY. * **	DESCRIPTION
1	70629492	1	COVER
2	70629491	1	GASKET, cover
3	70629495	1	O-RING, valve shaft (Units prior to June 1968)
3A	70666096	1	WASHER, valve shaft seal (vellumoid)
3B	70666095	1	SEAL, valve shaft (rubber)
4	70052643	1	BEARING, roller, valve cover
5	70629493	2	WASHER, thrust bearing
6	70629497	1	BEARING, thrust, valve shaft
7	{ ----- 70651967	1 - - 1	SHAFT ASSY. (Order 70651967, 1 WIPER ASSY. 70651969, 1 PLATE 70651966, 1 BEARING 73044547, 1 SCREW 70914793 and 2 PINS 70922524) SHAFT ASSY. (Includes arm and pin)
8	{ ----- 70651969	1 - - 1	WIPER (round hole)(Order 70651969, 1 SHAFT ASSY. 70651967, 1 PLATE 70651966, 1 BEARING 73044547, 1 SCREW 70914793 and 2 PINS 70922524) WIPER ASSY. (Includes pin. Has elongated hole)
9	70629501	1	SPRING, wiper
10	70629499	1	O-RING, wiper
11	{ 70050442 73044547	1 - - 1	BEARING, needle, adapting plate (1/2" long) BEARING, needle, adapting plate (3/8" long)
12	70629488	1	RING, sealing, valve shaft
13	70629502	1	BALL, detent
14	70629503	1	SPRING, detent ball
15	{ ----- 70922770 70914789 70651966 70922524 70914793	1 - 2 - 1 - - 1 - 2 - 1	PLATE, adapter (Order 70651966, 1 SHAFT ASSY. 70651967, 1 WIPER ASSY. 70651969, 1 BEARING 73044547, 1 SCREW 70914793 and 2 PINS 70922524) PIN, spring, 1/2" x 1-3/4" SCREW, flat-hd., 1/4"NC x 7/8" PLATE, adapter PIN, spring, 1/2" x 1-1/2" SCREW, flat-hd., 1/4"NC x 3/4"



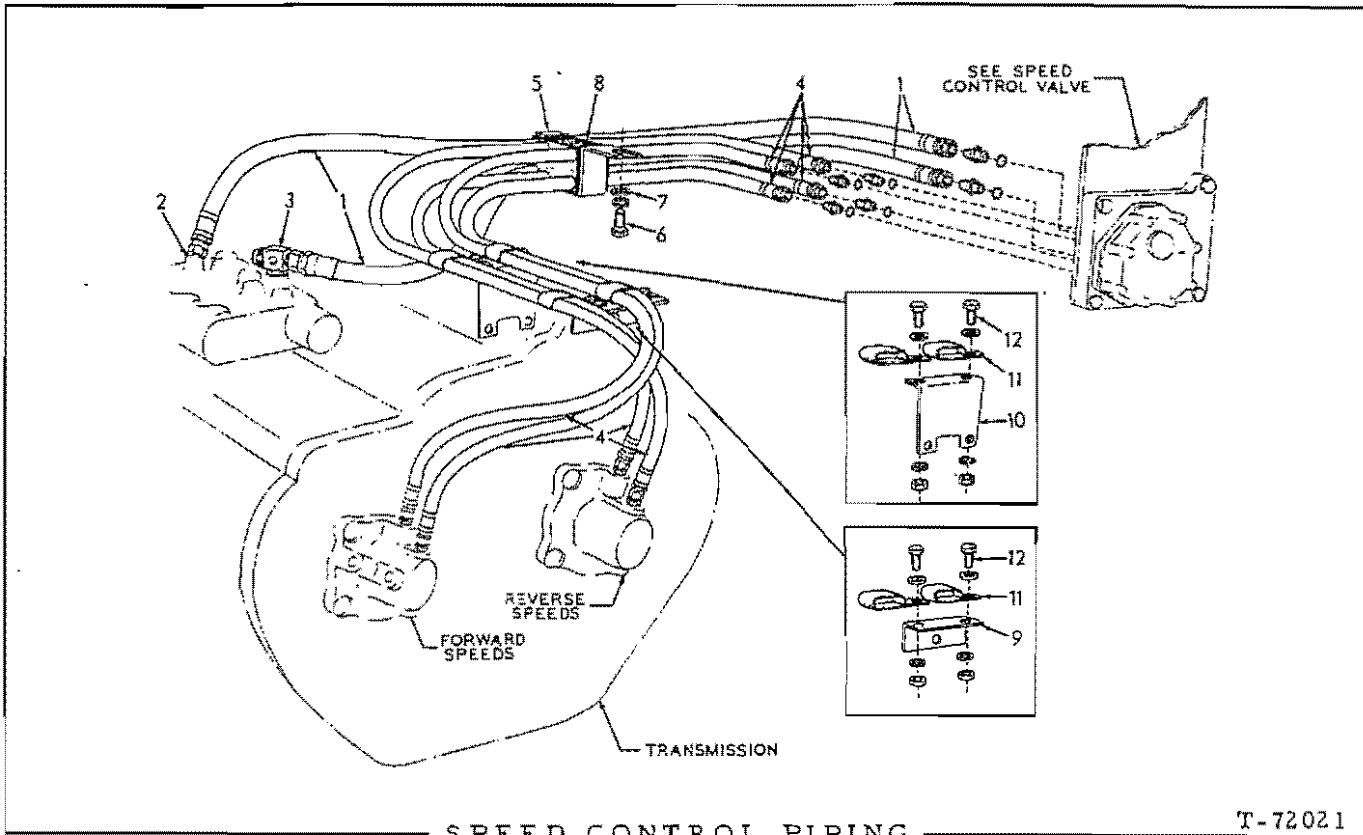
SPEED CONTROL PIPING

T-41891

USAGE: Tractors prior to serial No. 11428

ITEM PART NO. QTY. DESCRIPTION

1	70643953 70922981	2	HOSE, control valve to pressure relief valve (See page 6) CONNECTOR, flare type, 3/4" tube, 7/8"NF male end (Includes O-RING 70921205)
2	70921203	1	ELBOW, adjustable, 90°, flare type, 3/4" tube, 1-1/16-16 male thd. (Includes O-RING 70921206)
3	70922974	1	ELBOW, adjustable, 90°, flare type, 3/4" tube, 7/8" male end (Includes O-RING 70921205)
4	70638206 70919063 70921409	2	HOSE, control valve to forward clutch (See page 6) CONNECTOR, flare type, 1/2" tube, 3/8"NPT CONNECTOR, flare type, 1/2" tube, 3/4"NF male end (Includes O-RING 70921349)
5	70638205 70919063 70921409	2	HOSE, control valve to reverse clutch (See page 6) CONNECTOR, flare type, 1/2" tube, 3/8"NPT CONNECTOR, flare type, 1/2" tube, 3/4"NF male end (Includes O-RING 70921349)
6	70641389	1	CLAMP, hose supporting
7	70035439	1	CAPSCREW, 3/8"NC x 1"
7	70904206	1	LOCKWASHER, 3/8"
8	70044973	1	WASHER, plain
9	70641348	1	BLOCK, hose supporting (rubber)
10	70638699	1	ANGLE, hose supporting
11	70645457	1	ANGLE, hose supporting
12	70643941	4	CLIP, hose supporting (For two 3/4" diam. hoses)
13	70036032 70911115 70904206 70911041	4	CAPSCREW, 3/8"NF x 3/4" WASHER, plain, SAE std., 3/8" LOCKWASHER, 3/8" NUT, 3/8"NF



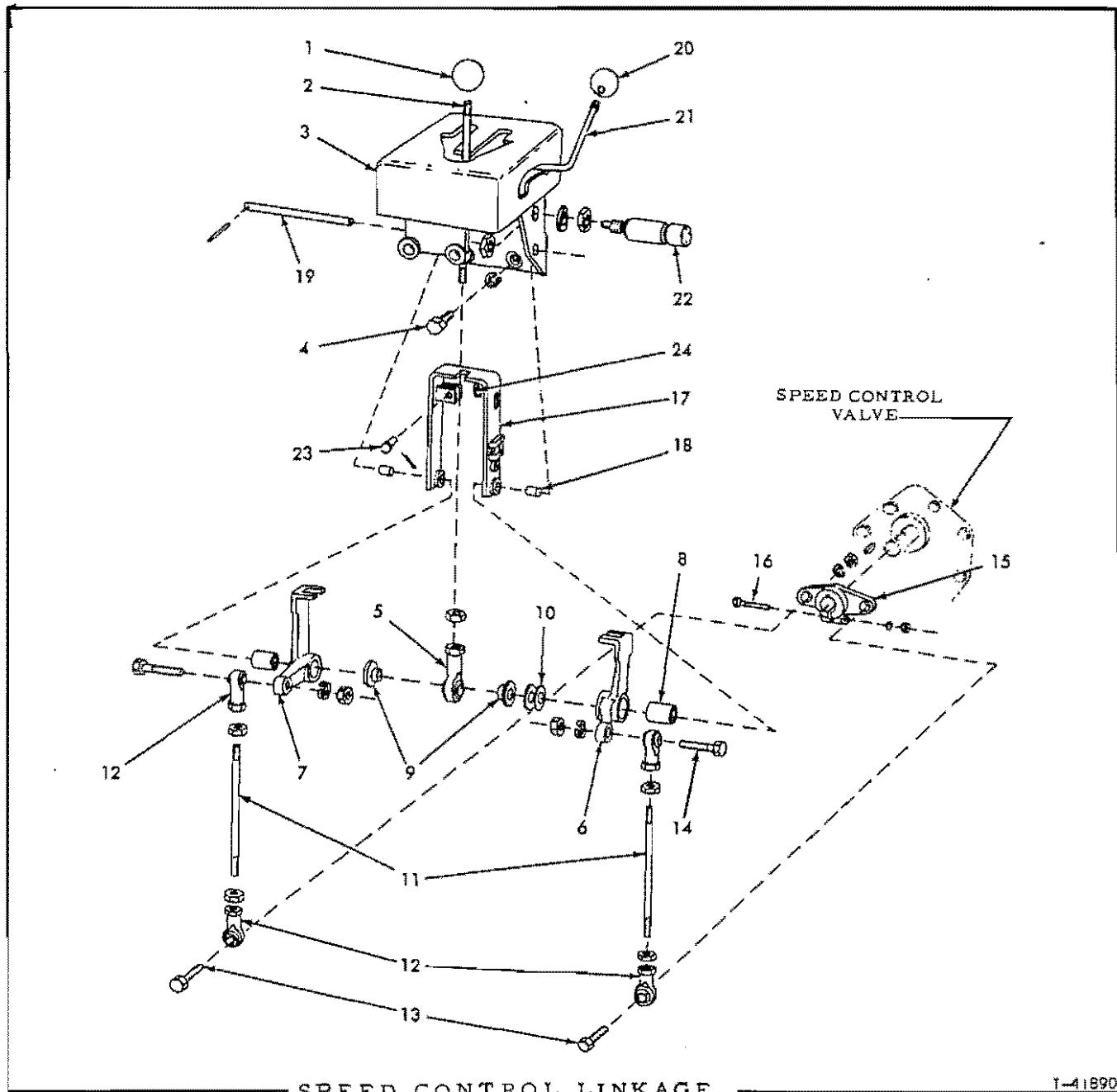
SPEED CONTROL PIPING

T-72021

USAGE: Tractors serial No. 11428 and up

ITEM PART NO. QTY. DESCRIPTION

1	70643953 70922981	2	HOSE, control valve to pressure relief valve (See HOSE PARTS) CONNECTOR, flare type, 3/4" tube, 7/8"NF male end (Includes O-RING 70921205)
2	70921203	1	ELBOW, adjustable, 90°, flare type, 3/4" tube, 1-1/16"-16 male thd. (Includes O-RING 70921206)
3	70922974 70664428	1	ELBOW, adjustable, 90°, flare type, 3/4" tube, 7/8" male end (Includes O-RING 70921205)(Tractors prior to #13368) TEE, adjustable, flare type, 3/4" and 1-1/4" tube ends, 1-5/16" male thd. side (Includes O-RING 70921214)(Tractors #13368 and up)
4	70648037 70919063 70921409	4	HOSE, control valve to clutch shafts CONNECTOR, flare type, 1/2" tube, 3/8"NPT CONNECTOR, flare type, 1/2" tube, 3/4"NF male end (Includes O-RING 70921349)
5	70641389	1	CLAMP, hose supporting
6	70035439	1	CAPSCREW, 3/8"NC x 1"
7	70904206	1	LOCKWASHER, 3/8"
8	70044973	1	WASHER, plain
9	70641348	1	BLOCK, hose supporting (rubber)
10	70638699	1	ANGLE, hose supporting
11	70643941	4	ANGLE, hose supporting
12	70036032 70911115 70904206 70911041	4	CLIP, hose supporting (For two 3/4" diam. hoses) CAPSCREW, 3/8"NF x 3/4" WASHER, plain, SAE std., 3/8" LOCKWASHER, 3/8" NUT, 3/8"NF



SPEED CONTROL LINKAGE

T-41890

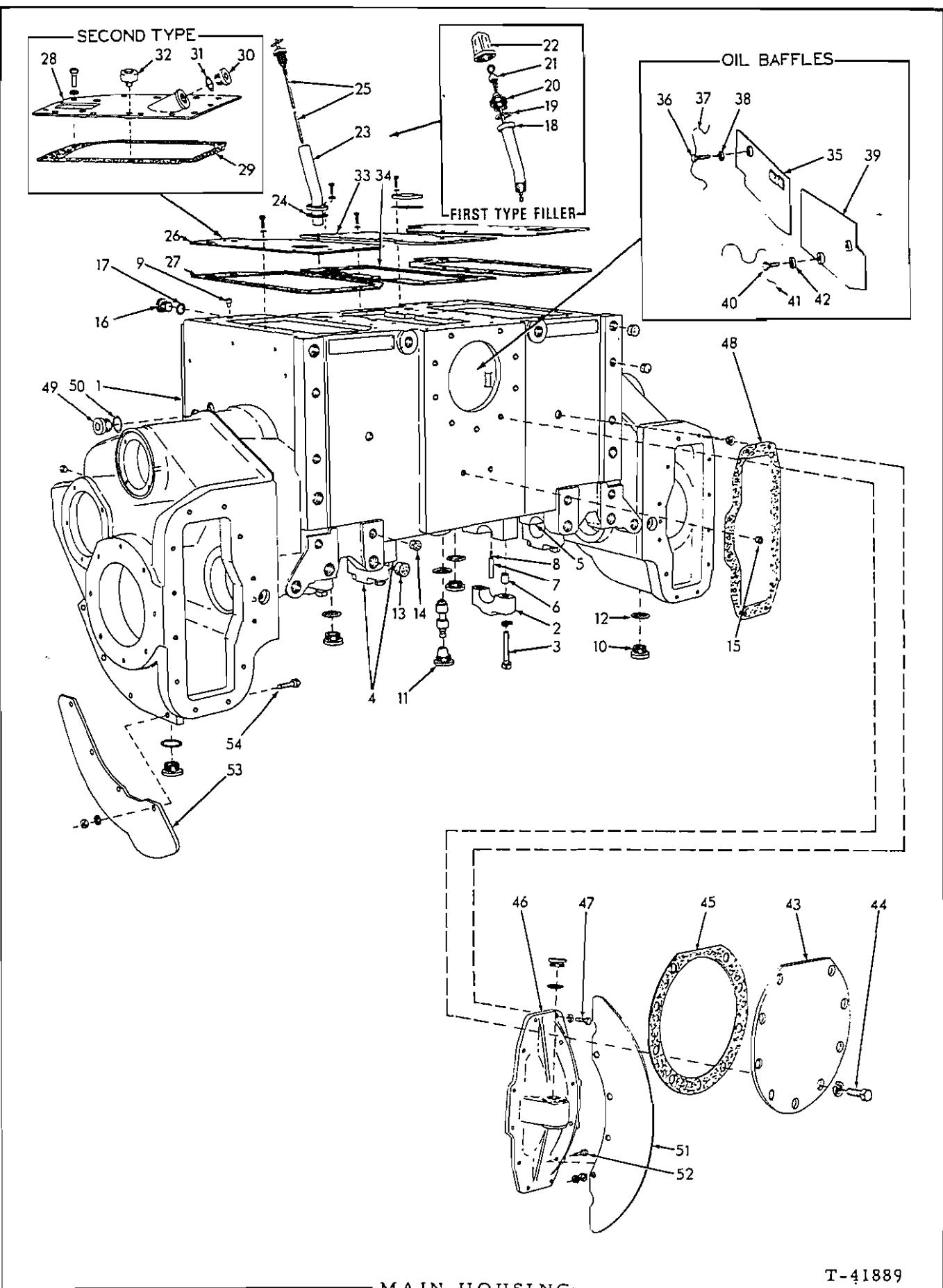
ITEM PART NO. QTY. DESCRIPTION

1	70629709	1	KNOB, range selector rod
2	70637821 70911048	1	ROD, range selector NUT, jam, 3/8"NF
3	70635073	1	GUIDE, range selector rod and safety switch lever
4	70036034 70904206	4	CAPSCREW, 3/8"NF x 1" LOCKWASHER, 3/8"
5	70637861	1	END, range selector rod

(Continued)

S P E E D C O N T R O L L I N K A G E

ITEM	PART NO.	QTY.	DESCRIPTION
6	70635077	1	LEVER ASSEMBLY, reverse speed (Includes item 8)
7	70635075	1	LEVER ASSEMBLY, forward speed (Includes item 8)
8	70635072	2	BUSHING, lever
9	70637579	2	SPACER, lever
10	70632126	3	SHIM, spacing, reverse speed lever (Use as required)
11	70617947 70911048	2 4	ROD, connecting NUT, jam, 3/8"NF
12	70617932	4	END, connecting rod
13	70036039	2	CAPSCREW, 3/8"NF x 1-3/8" (lower ends)
14	70203188 70904206 70911041	2 4 4	CAPSCREW, 3/8"NF x 1-1/2" (upper ends) LOCKWASHER, 3/8" NUT, 3/8"NF
15	70642691 70905123	1 1	LEVER, valve rotor KEY, #9 woodruff, 3/16" x 3/4"
16	70046419 70904206 70911041	1 1 1	CAPSCREW, 3/8"NF x 2" LOCKWASHER, 3/8" NUT, 3/8"NF
17	70639911	1	BRACKET ASSEMBLY, safety switch lever (Includes item 18)
18	70049988	2	BUSHING, safety switch lever bracket
19	70628612 70919761	1 1	SHAFT, pivot, lever PIN, roll, 1/8" x 1-1/4"
20	70632038	1	KNOB, safety switch lever
21	70632037	1	LEVER, safety switch
22	70631844	1	SWITCH, safety (Includes mounting nuts)
23	70078810 70900801	1 1	PIN, pivot, safety switch lever PIN, cotter, 3/32" x 3/4"
24	70629634	1	SPRING, safety switch lever



MAIN HOUSING

\* Tractors prior to serial No. 12201  
 \*\* Tractors serial No. 12201 and up

ITEM	PART NO.	QTY.	*	**	DESCRIPTION
1	70629446	1	-		HOUSING ASSY. (Includes items 2 thru 9)
	70658864	-	1		HOUSING ASSY. (Includes items 2 thru 8)(Used on tractors #12201 thru #14145. If for tractors prior to #12827 also order 2 CAGE 70658834, 2 RETAINER 70658837, 4 SHIM 70658838, 4 SHIM 70658839, 14 SHIM 70658840, 2 CAPSCREW 70023465 and 2 LOCKWASHER 70904209)
	70666504	-	1		HOUSING ASSY. (Includes items 2, 3, 5 and 7)(Tractors #14145 and up)
2	70904223	4	4		PLUG, pipe, ctsk-hd., 1/2"NPT
	70901667	2	2		PLUG, pipe, ctsk-hd., 1-1/4"NPT (Early units)
2	70060552	4	4		CAP, track frame pivot shaft (Also see items 4 and 5)(Tractors prior to #14145)
	70666488	-	2		CAP ASSY., track frame pivot shaft, inner (Includes PIN 70666489) } Tractors #14145 and up
	706660552	-	2		CAP, track frame pivot shaft, outer }
3	70052527	8	8		CAPSCREW, 3/4"NF x 3-1/2"
	70904369	8	8		LOCKWASHER, 3/4"
4	70096210	2	2		CAP ASSY., track frame pivot shaft, inner (For tractors prior to #14145 only)
5	70096209	2	2		CAP ASSY., track frame pivot shaft, outer
					NOTE: Each Cap Assembly listed above includes items 2, 3 and 6; also upper block which requires welding to housing
6	70075053	8	8		DOWEL, hollow, pivot shaft cap (Tractors prior to #14145)
7	70076726	2	2		WICK ASSY., pivot shaft lubricating (Consists of 1 PIN and 1 WICK 70050357. Also serves as dowel pin for pivot shaft)(Tractors prior to #14145)
	70666489	-	2		PIN, dowel, pivot shaft inner cap (Tractors #14145 and up)
	70665667	-	2		PLUG, main housing (steel, 5/8" diam. x 3/4") (Used to plug oiling wick holes when installing late type track frames on units prior to tractor #14145)
8	70050357	2	2		WICK, pivot shaft lubricating (felt)
9	70624485	2	-		PIN, dowel, clutch compartment covers
10	70035250	6	6		PLUG, final drive compartment
11	70067543	1	1		PLUG, drain, bevel gear compartment (magnetic)
12	70667252	7	7		GASKET, plug
13	70664852	8	8		CORK, thread protecting (1-1/4" diam.)
14	70664850	4	4		CORK, thread protecting (1" diam.)
15	70664851	2	2		CORK, thread protecting (5/8" diam.)
16	70920107	1	2		PLUG, housing (Includes item 17)
17	70921206	1	2		O-RING, plug sealing
18	70630102	1	1		PIPE, oil filler
19	70034269	1	1		GASKET, oil filler plug } First type Oil Filler
20	70034268	1	1		PLUG, oil filler pipe } Tractors prior to #14145
21	70648605	1	1		GAUGE, oil level
22	70034265	1	1		CAP, oil filler pipe }

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## MAIN HOUSING (Continued)

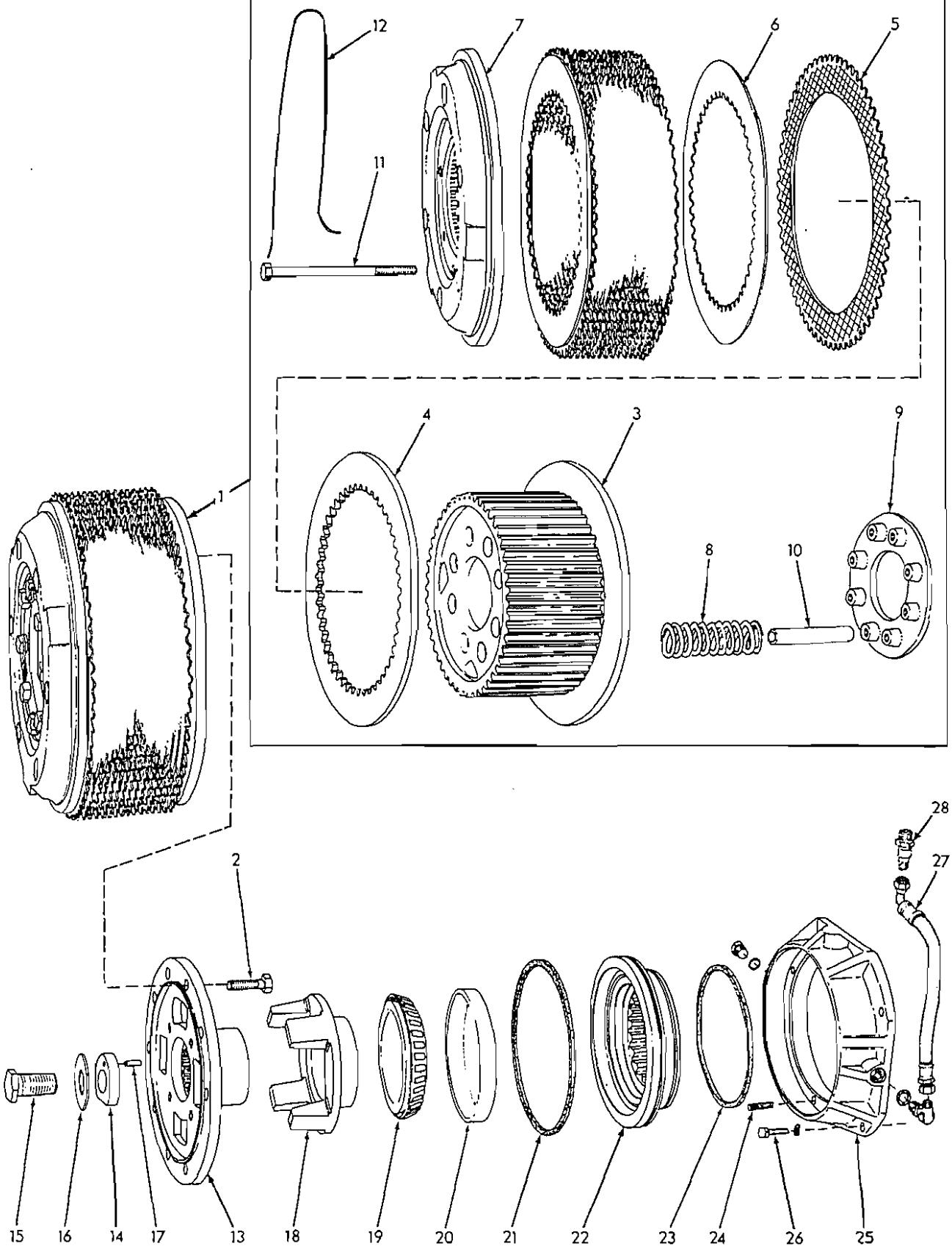
ITEM	PART NO.	QTY.	* **	DESCRIPTION	
23	70671038	-	1	TUBE, oil filler	Second type Oil Filler. Tractors #14145 and up
	70919224	-	2	CAPSCREW, 3/8"NC x 1-1/8"	
	70904206	-	2	LOCKWASHER, 3/8"	
24	70655875	-	1	GASKET, oil filler tube	
25	70667558	-	1	GAUGE, oil level	
26	70633520	2	-	PLATE, cover, steering clutch compartment	
	70035018	18	-	CAPSCREW, 1/2"NF x 1-1/2"	
	70904208	18	-	LOCKWASHER, 1/2"	
27	70633521	2	-	GASKET, steering clutch compartment cover	
28	{ 70650061	-	1	PLATE, cover, left steering clutch compartment	
	70650062	-	1	PLATE, cover, right steering clutch compartment	
	70070467	-	22	CAPSCREW, 1/2"NF x 1"	
	70904208	-	22	LOCKWASHER, 1/2"	
29	70650264	-	2	GASKET, steering clutch compartment cover	
30	70651978	-	2	PLUG, brake adjustment access hole	
31	70623144	-	2	GASKET, brake hole plug	
32	70050748	-	2	BREATHER, steering clutch compartment	
33	{ 70631184	1	-	COVER, bevel gear compartment, top (Tractors prior to #11637)	
	70651753	1	-	COVER, bevel gear compartment, top (Effective with tractor #11637)	
	70651111	-	1	COVER, bevel gear compartment, top	
	70035018	12	12	CAPSCREW, 1/2"NF x 1-1/2"	
	70904208	12	12	LOCKWASHER, 1/2"	
34	70655964	1	1	GASKET, bevel gear compartment top cover	
35	70642048	1	1	PLATE, oil baffle, front section	
36	70021527	1	1	CAPSCREW, drilled-hd., 3/8"NC x 1-5/8"	
37	70023633	1	1	WIRE, locking, 1/16" x 12"	
38	70044973	1	1	WASHER, plain	
39	70642435	1	1	PLATE, oil baffle, rear section	
40	70099963	2	2	CAPSCREW, drilled-hd., 3/8"NC x 2"	
41	70037000	1	1	WIRE, locking, 1/16" x 16"	
42	70044973	2	2	WASHER, plain	
43	70052977	1	1	COVER, bevel gear compartment, rear (Removed when Power Take-off is installed)	
44	70921731	9	9	CAPSCREW, Nylok, 5/8"NC x 1-1/4"	
	70904209	9	9	LOCKWASHER, 5/8"	
45	70052976	1	1	GASKET, bevel gear compartment rear cover	
46	{ 70656989	1	1	COVER, left final drive compartment	
	70656990	1	1	COVER, right final drive compartment	
47	70035018	26	26	CAPSCREW, 1/2"NF x 1-1/2"	
	70904208	26	26	LOCKWASHER, 1/2"	
48	70064377	2	2	GASKET, final drive compartment cover	
49	70050594	-	2	PLUG, clutch compartment	

(Continued)

(Revised June 1970)

## MAIN HOUSING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
50	70050595	- 2	GASKET, clutch compartment plug
<u>NOTE:</u> Guards listed below are special equipment			
51	{ 70069648 70647952	2 2	GUARD, track sprocket, upper (Medium-duty) GUARD, track sprocket, upper (Heavy-duty reinforced type)
52	70035073 70904208 70911043	8 8 8	CAPSCREW, 1/2"NF x 1-3/4" LOCKWASHER, 1/2" NUT, 1/2"NF
53	{ 70644294 70647953 70647954	2 1 1	GUARD, track sprocket, lower (Medium-duty) GUARD, track sprocket, lower left GUARD, track sprocket, lower right
54	70035073 70904208 70911043	8 8 8	CAPSCREW, 1/2"NF x 1-3/4" LOCKWASHER, 1/2" NUT, 1/2"NF



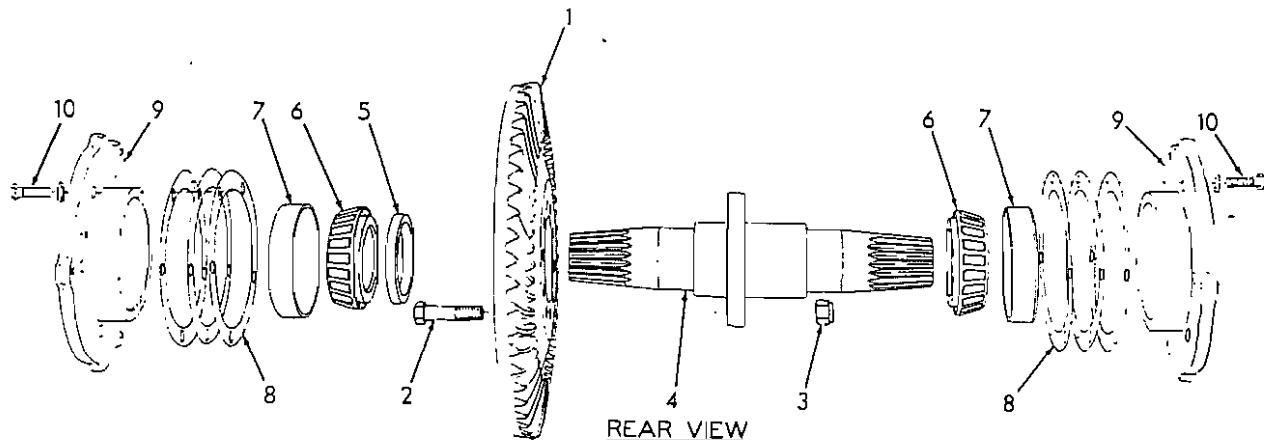
STEERING CLUTCHES

T-41894

## STEERING CLUTCHES

### ITEM PART NO. QTY. DESCRIPTION

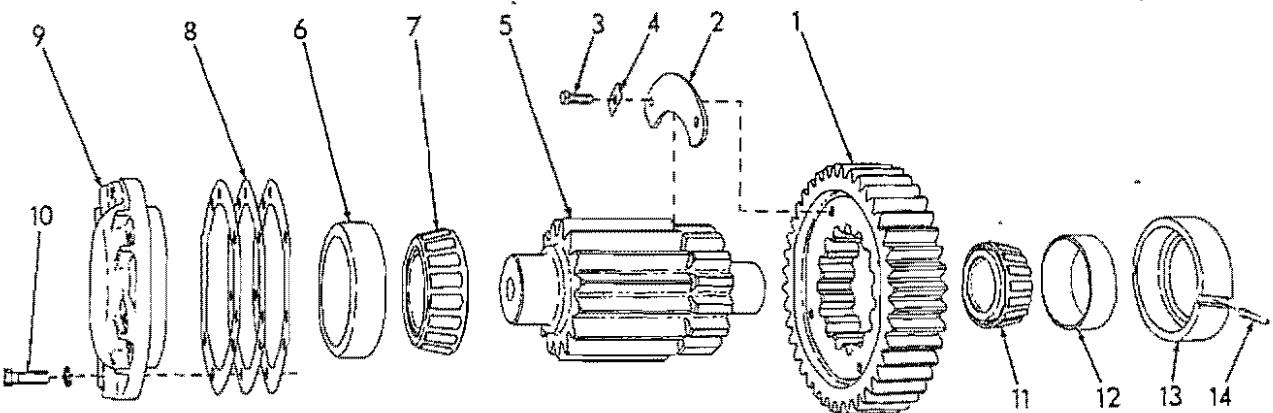
1	70661595	2	CLUTCH ASSEMBLY (Consists of items 3 thru 12)
2	70650828	20	BOLT, self-locking, 1/2"NC x 1-3/8"
3	70650657	2	HUB, steering clutch
4	70056792	2	PLATE, back (Used on tractors prior to #12369 only)
5	70624561	32	DISC, friction (bi-metallic)
6	70624562	32	DISC, friction (steel)(Use as required)
7	70056793	2	PLATE, pressure
8	70661594	16	SPRING, pressure
9	70050214	2	PLATE, throwout
10	70631305	16	SPACER, throwout plate
11	70631300	16	CAPSCREW, plate (drilled-hd., 1/2"NC x 5-3/4")
12	70023756	4	WIRE, locking, 1/16" x 26"
13	70659686	2	HUB, driving (If for tractors prior to #12669 also order item 18)
14	{ 70637932	2	WASHER ASSEMBLY, hub retaining (Includes item 17)(Used prior to tractor #13382)
	{ 70664337	2	WASHER ASSEMBLY, hub retaining (Includes item 17)(Effective with tractor #13382)
15	{ 70630045	2	CAPSCREW, hub retaining (Used prior to tractor #13382)
	{ 70663117	2	CAPSCREW, hub retaining (self-locking)(Effective with tractor #13382)
16	70651745	2	WASHER, capscrew locking (Used prior to tractor #13382)
17	70035793	2	PIN, hub retaining washer (Early units only)
18	70659687	2	SLEEVE, throwout
19	70624642	2	CONE ASSEMBLY, clutch throwout bearing
20	70624641	2	CUP, clutch throwout bearing
21	70624673	2	RING, sealing, actuating piston, outer
22	70631510	2	PISTON, actuating
23	70624674	2	RING, sealing, actuating piston, inner
24	70040475	6	SPRING, throwout bearing ring
25	70631575	2	RING, collector
	70921573	2	PLUG, hex-hd., 3/4"NF (Includes O-RING 70921349)
26	70916272	6	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	6	LOCKWASHER, 3/8"
27	70641125	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)
28	-----	2	UNION (See CONTROL VALVE AND LINES)



T-72374

ITEM PART NO. QTY. DESCRIPTION

1	70627325	1	GEAR, bevel (50 teeth, right-hand spiral)(Tractors prior to #11428)
1	70620752	1	GEAR, bevel (50 teeth, left-hand spiral)(Tractors #11428 thru #13106)
	70659392	1	GEAR, bevel (41 teeth)(Tractors #13107 and up)
2	70067680	10	BOLT, 5/8"NF x 2-3/4"
3	70645320	10	NUT, elastic stop, 5/8"NF
4	70631329	1	SHAFT, bevel gear (Tractors prior to #12739)
	70659446	1	SHAFT, bevel gear (Tractors #12739 and up)
5	70627279	1	RING, bolt locking
6	70631588	2	CONE ASSEMBLY, shaft bearing
7	70631587	2	CUP, shaft bearing
8	70634134	12	SHIM, bearing adjustment (.005" thick)
	70634135	12	SHIM, bearing adjustment (.007" thick)
	70634136	12	SHIM, bearing adjustment (.010" thick)
9	70659493	2	CAGE, bearing
10	70916028	10	CAPSCREW, 1/2"NC x 1-3/4"
	70910210	10	LOCKWASHER, external teeth, 1/2"



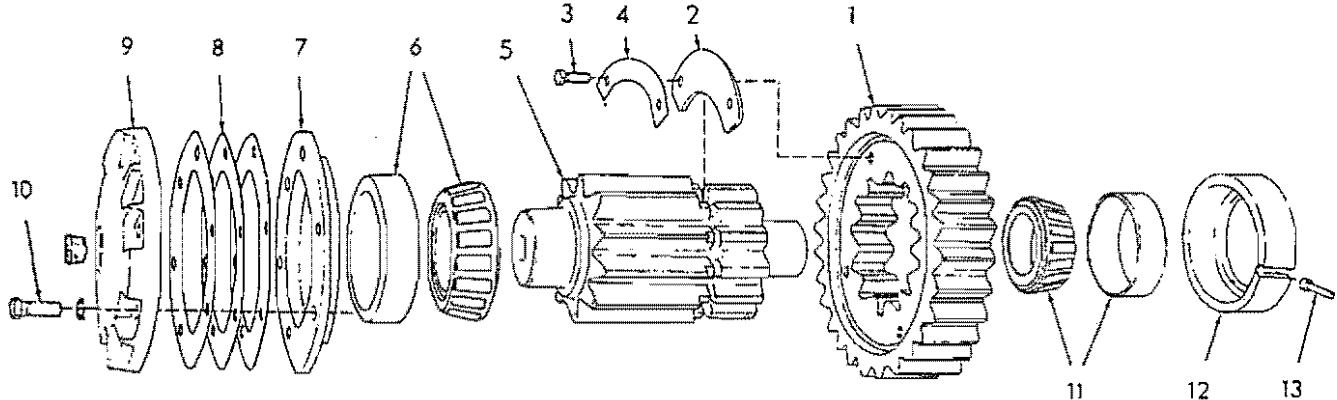
FINAL DRIVE INTERMEDIATE SHAFT

T-4031

USAGE: Tractors prior to serial No. 12525

ITEM PART NO. QTY. DESCRIPTION

1	70642642	2	GEAR (40 teeth)
2	70655631	4	LOCK, gear retaining
3	70035439	8	CAPSCREW, 3/8"NC x 1"
4	70052444	8	LOCK, capscrew
5	70642640	2	PINION (15 teeth)
6	70069328	2	CUP, outer bearing
7	70069441	2	CONE ASSEMBLY, outer bearing
8	70093250 70093249 70093248	4 4 14	SHIM, bearing adjustment (.005" thick) SHIM, bearing adjustment (.007" thick) SHIM, bearing adjustment (.010" thick)
			} Use as required
9	70093256	2	CAGE, outer bearing
10	70023465 70904209	10 10	CAPSCREW, 5/8"NF x 1-3/4" LOCKWASHER, 5/8"
11	70211582	2	CONE ASSEMBLY, inner bearing
12	70211581	2	CUP, inner bearing
13	70084297	2	CAGE, inner bearing
14	70089320	2	PIN, locking, inner bearing cage



T-72894

FINAL DRIVE INTERMEDIATE SHAFT

USAGE: Tractors serial No. 12525 and up

\*Tractors serial No. 12525 thru 12826

\*\*Tractors serial No. 12827 and up

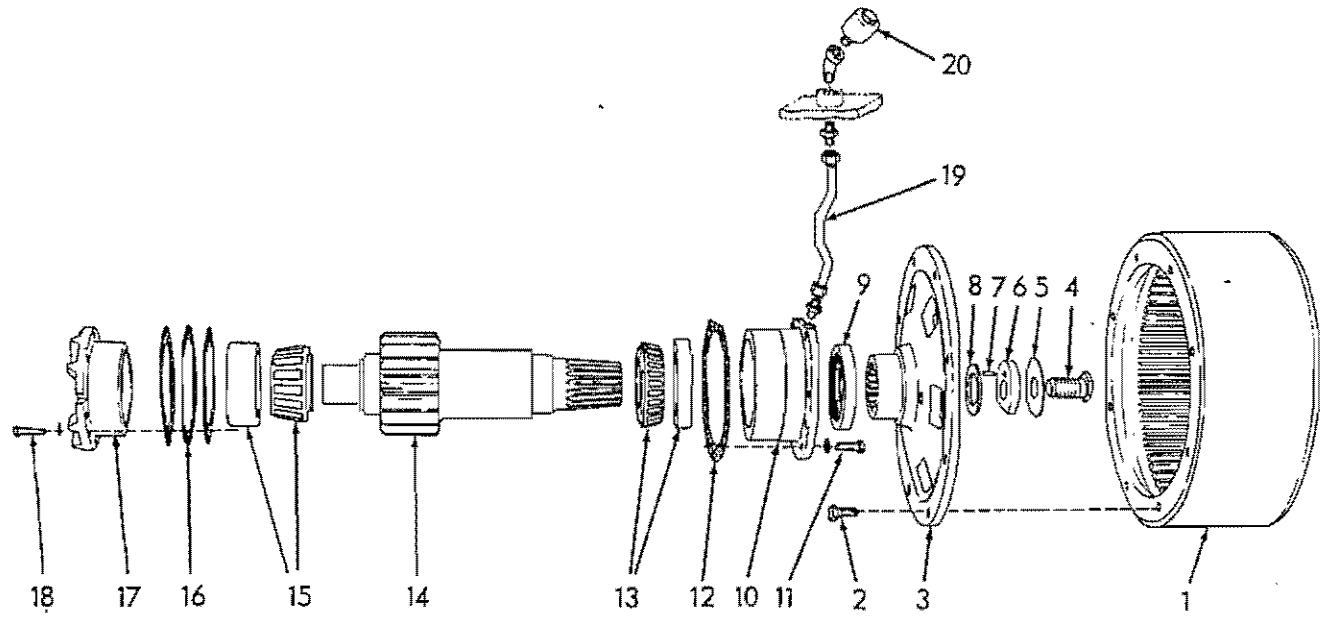
ITEM	PART NO.	QTY.	DESCRIPTION
		*	**
1	70655629	2	GEAR (30 teeth)(Not used on tractors #12955 thru #12962)
2	70642642	-	GEAR (40 teeth)(Tractors #12955 thru #12962 only)
2	70655631	4	LOCK, gear retaining (Not used on tractors #12955 thru #12962)
3	70056508	-	LOCK, gear retaining (Tractors #12955 thru 12962 only)
3	70035439	8	CAPSCREW, 3/8"NC x 1"
4	70655632	4	□LOCK, capscrew (Not used on tractors #12955 thru 12962)
	70052444	-	LOCK, capscrew (Tractors #12955 thru #12962 only)
5	70655630	2	PINION (12 teeth)(Not used on tractors #12955 thru #12962)
	70642640	-	PINION (15 teeth)(Tractors #12955 thru 12962 only)
6	70681367	2	□CUP AND CONE ASSY. (Consist of matched Cup and Cone)
7	70655626	2	CAGE, outer bearing
	70658834	-	CAGE, outer bearing
8	70655625	4	SHIM, bearing adjustment (.005" thick)
	70658838	-	□SHIM, bearing adjustment (.005" thick)
	70655624	4	SHIM, bearing adjustment (.007" thick)
	70658839	-	□SHIM, bearing adjustment (.007" thick)
	70655623	14	SHIM, bearing adjustment (.010" thick)
	70658840	-	□SHIM, bearing adjustment (.010" thick)
9	70655622	2	RETAINER, outer bearing
	70658837	-	RETAINER, outer bearing
	70901666	2	PLUG, pipe, ctsk-hd., 1"NPT
10	70023465	10	CAPSCREW, 5/8"NF x 1-3/4"
	70904209	10	LOCKWASHER, 5/8"
11	70681375	2	□CUP AND CONE ASSY. (Consist of matched Cup and Cone)

(Continued)

FINAL DRIVE INTERMEDIATE SHAFT (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
		*	***
12	70084297	2	CAGE, inner bearing
13	70089320	2	PIN, locking, inner bearing cage
14	73113810	-	REPAIR KIT (Includes items 4, 6, 8 and 11) (Sufficient quantity for one side only)

Components of item 14



T-72326

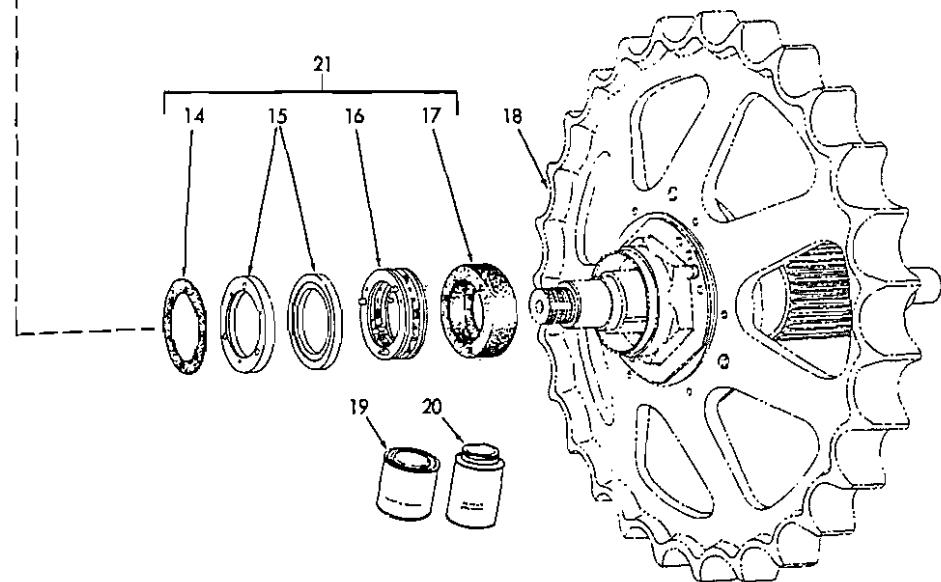
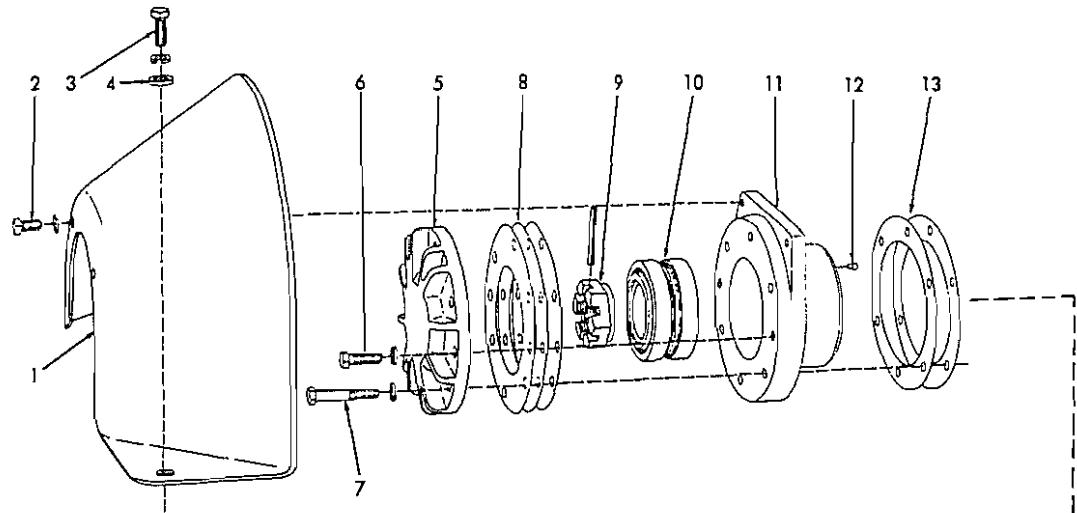
**FINAL DRIVE PINION SHAFT**

ITEM	PART NO.	QTY.	DESCRIPTION
1	70631316	2	DRUM, brake
2	70650835	16	BOLT, self-locking, 1/2"NC x 1"
3	70624559	2	HUB, brake drum
4	70630045	2	CAPSCREW, hub retaining (Used prior to tractor #13382)(Original equipment)
	70663117	2	CAPSCREW, hub retaining (self-locking)(Effective with tractor #13382)(Original equipment)
	70684479	2	CAPSCREW, hub retaining } Service re-
	70684480	2	□ LOCK, hub retaining capscrew } placement
5	70630052	2	LOCK, hub retaining capscrew (Used prior to tractor #13382)
6	70631584	2	WASHER ASSY., hub retaining (Includes item 7) (Used prior to tractor #13382)
	70664330	2	WASHER ASSY., hub retaining (Includes item 7) (Used on tractor #13382 thru #14027)
	70666324	2	WASHER, hub retaining (Effective with tractor #14028)
7	70035793	2	PIN, hub retaining washer (Used prior to tractor #14028)
8	70056513	2	□ WASHER, sealing, brake drum hub
9	70628320	2	□ SEAL, oil
10	70631577	2	CAGE, inner bearing
11	70070469	12	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	12	LOCKWASHER, 1/2"
12	70633904	2	□ GASKET, inner bearing cage
13	70681376	2	□ CUP AND CONE ASSY. (Consist of matched Cup and Cone)

(Continued)

## FINAL DRIVE PINION SHAFT (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
14	70642641	2	PINION (16 teeth)(Tractors prior to #12525 including #12955 thru #12962)
	70655628	2	PINION (12 teeth)(Tractors #12525 and up, excluding #12955 thru #12962)
15	70681377	2	<input type="checkbox"/> CUP AND CONE (Consists of matched Cup and Cone)
16	70084905	4	<input type="checkbox"/> SHIM, bearing adjustment (.005" thick) } Use
	70084904	4	<input type="checkbox"/> SHIM, bearing adjustment (.007" thick) } as
	70084903	14	<input type="checkbox"/> SHIM, bearing adjustment (.010" thick) } required
17	70084319	2	CAGE, outer bearing
18	70012992	8	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	8	LOCKWASHER, 3/8"
19	-----	2	TUBE ASSY., vent (Includes nuts)(Used prior to tractor #11245)(Order Tube Assy., 70650128 and 2 Connector 70919171)
	70919766	4	<input type="checkbox"/> CONNECTOR, flare type, 5/16" tube, 1/8"NPT male
	70650128	2	TUBE ASSY., vent (Includes nuts)(Effective with tractor #11245)
	70919171	4	<input type="checkbox"/> CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
20	70050748	2	BREATHER
	70910149	2	<input type="checkbox"/> ELBOW, street, 45°, 3/8"NPT
21	73113811	1	REPAIR KIT (Includes items 4, 8, 9, 12, 13, 15 and 16) (Sufficient quantity for one side only)
			<input type="checkbox"/> Components of item 21

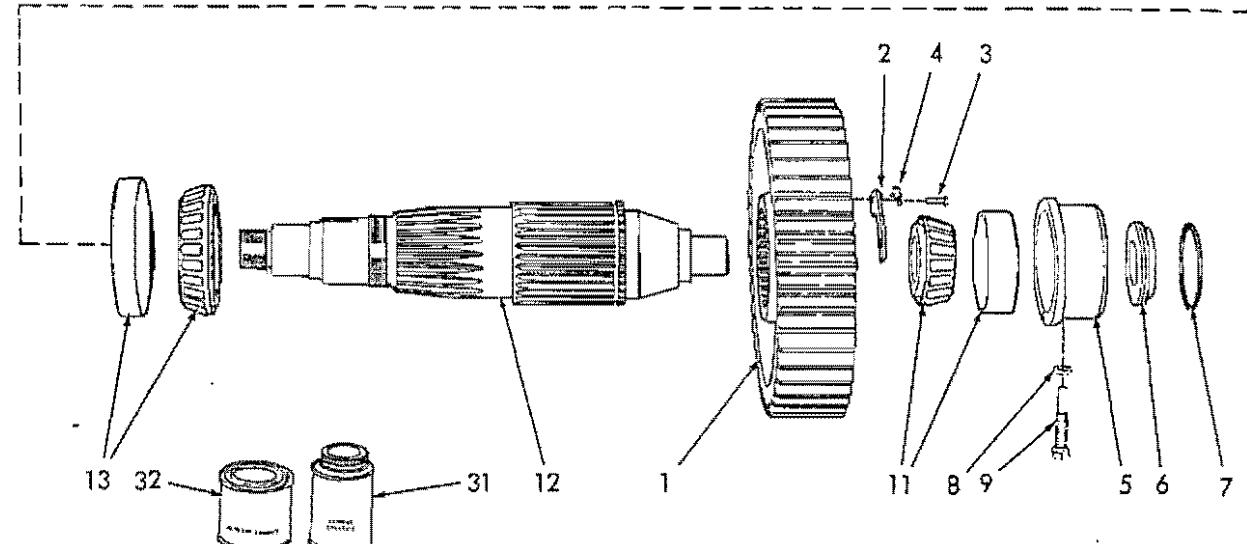
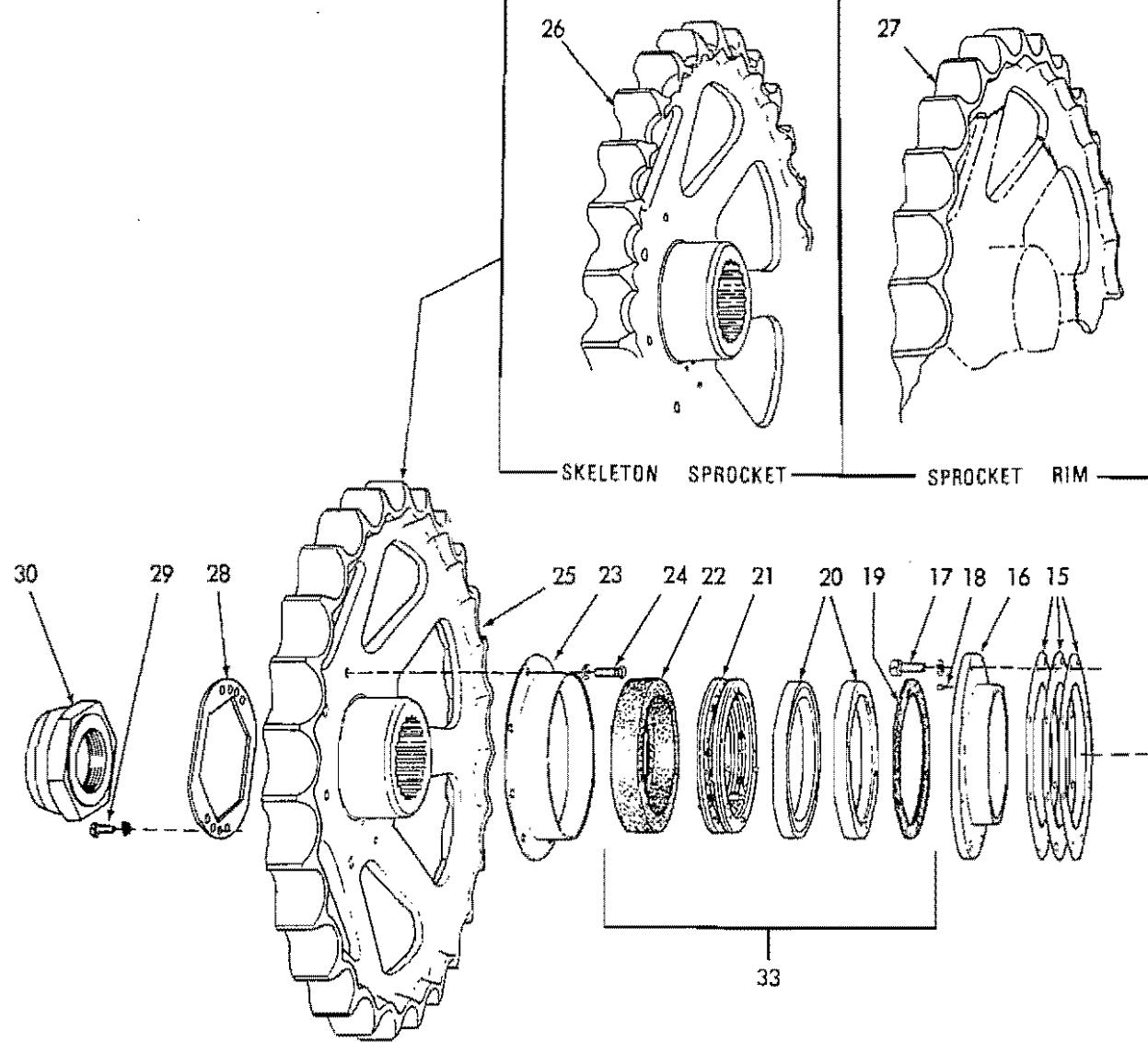


T-16298

FINAL DRIVE OUTBOARD BEARING AND SEAL

**FINAL DRIVE OUTBOARD BEARING AND SEAL**

ITEM	PART NO.	QTY.	DESCRIPTION
1	70084326	2	GUARD, sprocket (Special equipment)
2	70035221	4	CAPSCREW, 1/2"NC x 1"
3	70070469	4	CAPSCREW, 1/2"NF x 1-1/4" (Early units)
	70916311	4	CAPSCREW, 1/2"NC x 1-1/4" (Late units)
	70916311	4	CAPSCREW, 1/2"NC x 1-1/4" (Late units)
4	70064531	4	WASHER, plain
	70904208	8	LOCKWASHER, 1/2"
5	70084303	2	COVER, outboard bearing
6	70035018	4	CAPSCREW, 1/2"NF x 1-1/2"
7	70070403	12	CAPSCREW, 1/2"NF x 3" (Early units)
	70904208	16	LOCKWASHER, 1/2"
	70916318	12	CAPSCREW, 1/2"NC x 1-3/4" (Late units)
8	70084313	4	SHIM, outer bearing cap (.005" thick)
	70084312	4	SHIM, outer bearing cap (.007" thick)
	70084311	14	SHIM, outer bearing cap (.010" thick) } Use as req'd
9	70058925	2	NUT, retaining, outer bearing
	70917904	2	PIN, roll, 5/16" x 3"
10	70058702	2	BEARING, roller, outboard (Each consists of 1 roller assembly and 2 cups. Serviced only as a unit)
11	70084271	2	CAGE, outboard bearing
12	70084432	6	<input type="checkbox"/> PIN, outer seal ring
13	70069080	12	SHIM, outboard bearing cage (.015" thick. Use as required)
14	70069106	2	<input type="checkbox"/> GASKET, seal ring
15	70081787	4	<input type="checkbox"/> RING, outer seal
16	70084337	2	<input type="checkbox"/> FOLLOWER ASSY., outer seal (Serviced only as a unit)
17	70058814	2	<input type="checkbox"/> BOOT, outer seal
18	-----	-	SPROCKET (See page 209)
19	70033288	-	CEMENT, neoprene, 1/2 pint can } For cementing
20	70054890	-	SOLVENT, neoprene cement, 1/2 pint can } boots and gaskets
21	70091972	2	SEAL KIT (Items 12, 14, 15, 16, 17; includes parts for one (1) side only)
			<input type="checkbox"/> Components of item 21



FINAL DRIVE SPROCKET, SHAFT AND GEAR

T-16297

**FINAL DRIVE SPROCKET, SHAFT AND GEAR**

\*Tractors prior to serial No. 13051

\*\*Tractors serial No. 13051 and up

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
1	70642743	2 -	GEAR, driving (46 teeth)(Tractors prior to #12525, including #12955 thru #12962)
	70655633	2 2	GEAR, driving (37 teeth)(Tractors #12525 and up, excluding #12955 thru #12962)
2	70058826	4 4	LOCK, gear retaining
3	70035439	8 8	CAPSCREW, 3/8"NC x 1"
4	70052444	8 8	△LOCK, capscrew
5	70084289	2 2	CAGE, inner bearing cup
6	70091571	2 2	COVER, inner bearing
7	70923817	2 2	△O-RING, inner bearing cover
8	70049918	2 2	△WASHER, bearing cage setscrew (copper)
9	70084278	2 2	SETSCREW, bearing cage (hex-hd., dog-pt., 5/8" NF x 3-3/8")
11	70681374	2 2	△CUP AND CONE ASSY. (Consist of matched Cup and Cone)
12	70622135	2 2	SHAFT, sprocket
13	70681373	2 2	△CUP AND CONE ASSY. (Consist of matched Cup and Cone)
15	70056971	8 8	△SHIM, bearing adjustment (.005" thick)
	70056970	6 6	△SHIM, bearing adjustment (.007" thick)
	70056969	24 24	△SHIM, bearing adjustment (.010" thick)
16	70084349	2 2	CAGE ASSY., intermediate bearing (Includes item 18)
17	70035018	16 16	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	16 16	LOCKWASHER, 1/2"
18	70084432	6 6	PIN, locating, seal ring
19	70058807	2 2	□GASKET, seal ring
20	70081788	4 -	□RING, inner seal (3/4" thick)
	70651996	- 4	□RING, inner seal (1/2" thick)
21	70058796	2 2	□FOLLOWER ASSY., inner seal (Serviced only as a unit)
22	70058806	2 2	□BOOT, inner seal
23	70056966	2 -	GUARD, seal
	70651985	- 2	GUARD, seal
24	70035061	8 8	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	8 8	LOCKWASHER, 1/2"
25	-----	2 -	SPROCKET, track (Order 70654500, 2 Ring 70651996 and 1 Guard 70651985) } Standard type
	70654500	- 2	SPROCKET, track }
26	70643856	2 -	SPROCKET, track (Special. Skeleton tooth-base to minimize packing of track)
27	70644100	2 2	RIM, track sprocket (Requires welding to install)
28	70084299	2 2	LOCK, sprocket retaining nut
29	70035221	4 4	CAPSCREW, 1/2"NC x 1"
	70904208	4 4	LOCKWASHER, 1/2"
30	70084236	2 2	NUT, sprocket retaining

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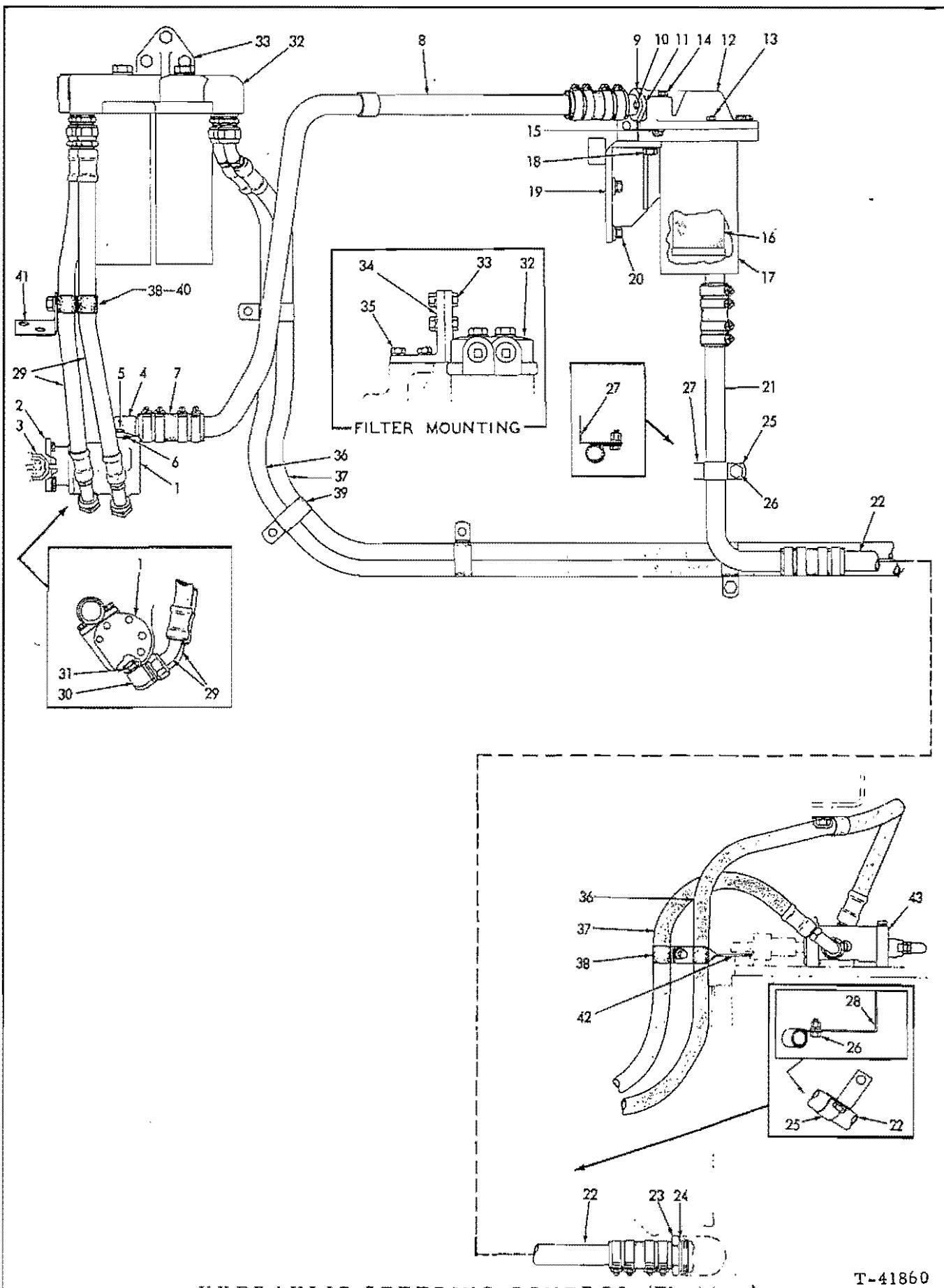
FINAL DRIVE SPROCKET, SHAFT AND GEAR (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION	
		* **		
31	70054890	- -	SOLVENT, neoprene cement, 1/2 pint can	For cementing boots and gaskets
32	70033288	- -	CEMENT, neoprene, 1/2 pint can	
33	70091973	2 -	SEAL KIT	Items 19 thru 22; includes parts for one (1) side only
	70656664	- 2	SEAL KIT	
34	73113812	- 1	REPAIR KIT (Includes 4, 7, 8, 11, 13 and 15) (Sufficient quantity for one side only)	

△Components of item 34

□Components of item 33

M E M O



HYDRAULIC STEERING CONTROL (First type)

T-41860

## HYDRAULIC STEERING CONTROL

USAGE: Tractors prior to serial No. 12201

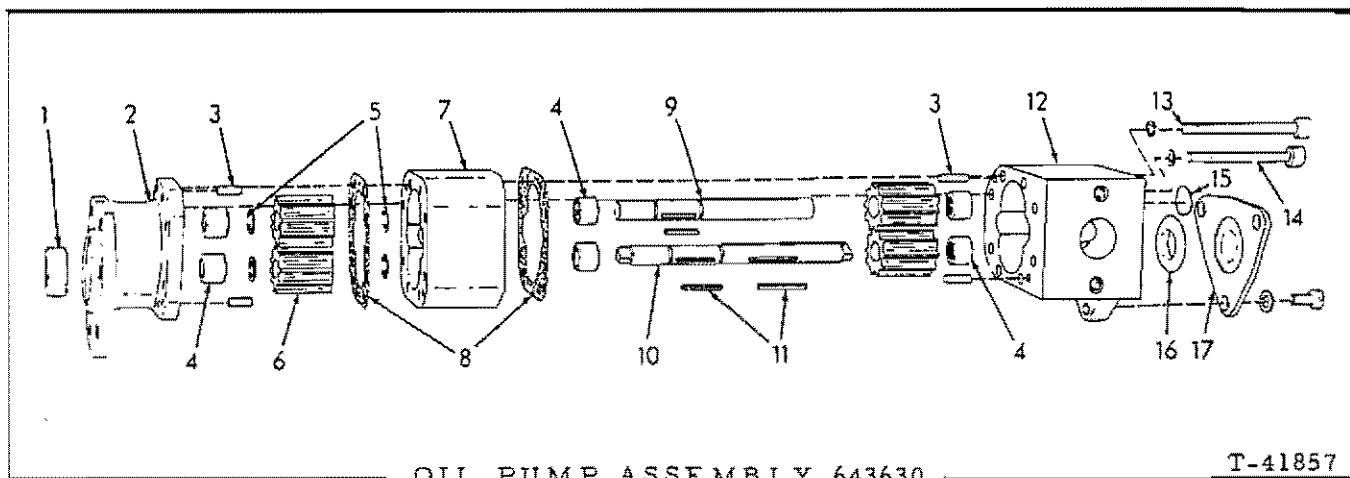
### ITEM PART NO. QTY. DESCRIPTION

1	70643630	1	PUMP ASSEMBLY, oil (See page 215 for parts)
	70921194	6	CAPSCREW, Nylok, 5/16"NC x 7/8"
	70904205	6	LOCKWASHER, 5/16"
2	70099510	1	GASKET, pump mounting
3	70630914	1	COUPLING, pump drive
4	70630301	1	ELBOW, suction line
5	70045312	2	CAPSCREW, 5/16"NC x 3/4"
	70904205	2	LOCKWASHER, 5/16"
6	70099533	1	GASKET, suction line elbow
7	70630636	5	HOSE, suction line
	70921912	20	CLAMP, hose, 1-1/16" to 2" diam.
8	70642382	1	TUBE, suction line, pump to filter
9	70644826	1	ADAPTER, suction line filter
10	70044249	2	CAPSCREW, 3/8"NC x 1-1/8"
	70904206	2	LOCKWASHER, 3/8"
11	70644816	1	GASKET, suction line adapter
12	70644827	1	COVER, suction line filter
13	70012992	4	CAPSCREW, 3/8"NF x 1-1/4"
14	70914339	2	CAPSCREW, 3/8"NF x 2-3/4"
	70904206	6	LOCKWASHER, 3/8"
15	70923824	1	O-RING, suction line filter
16	70623268	1	SCREEN, suction line filter
17	70642384	1	HOUSING, suction line filter
18	70035525	3	CAPSCREW, 1/2"NF x 1-3/8"
	70904208	3	LOCKWASHER, 1/2"
19	70649287	1	BRACKET, mounting, suction line filter
20	70040013	2	CAPSCREW, 7/16"NC x 1-3/4"
	70904207	2	LOCKWASHER, 7/16"
	70074790	2	WASHER, plain
21	70642383	1	TUBE, suction line, filter to housing, front section
22	70642405	1	TUBE, suction line, filter to housing, rear section
23	70642539	1	ADAPTER, rear suction line (Includes item 24)
24	70921887	1	O-RING, suction line adapter
25	70095869	3	CLIP, suction line
26	70070467	2	CAPSCREW, 1/2"NF x 1"
	70904208	2	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF
27	70642534	1	ANGLE, suction line supporting, front
28	70642533	1	ANGLE, suction line supporting, rear

(Continued)

HYDRAULIC STEERING CONTROL (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
29	70642537	2	HOSE, pressure line, pump to filter (See HOSE PARTS)
	70921466	2	CONNECTOR, flare type, 1/2" tube, 3/4"NPT male
30	70921402	2	ELBOW, adjustable, flare type, 90°, 1/2" tube, 3/4"NF male end (Includes washer, nut and item 31)
31	70921349	2	O-RING, elbow sealing
32	70633797	1	FILTER ASSEMBLY, pressure line (See page 220 for parts) -
33	70035073	3	CAPSCREW, 1/2"NF x 1-3/4"
	70904208	3	LOCKWASHER, 1/2"
	70911043	3	NUT, 1/2"NF
34	70645067	1	BRACKET, mounting, pressure line filter
35	70035061	4	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	4	LOCKWASHER, 1/2"
36	70642519	1	HOSE, pressure line filter to right side of valve (See HOSE PARTS)
	70921466	1	CONNECTOR, flare type, 1/2" tube, 3/4"NPT male
	70919128	1	CONNECTOR, flare type, 1/2" tube, 1/2"NPT male (Tractors prior to #11637)
	70921409	1	CONNECTOR, flare type, 1/2" tube, 3/4"NF male end (Includes O-RING 70921349)(Tractors #11637 and up)
37	70642520	1	HOSE, pressure line, filter to left side of valve (See HOSE PARTS)
	70921466	1	CONNECTOR, flare type, 1/2" tube, 3/4"NPT male
	70919128	1	CONNECTOR, flare type, 1/2" tube, 1/2"NPT male (Tractors prior to #11637)
	70921409	1	CONNECTOR, flare type, 1/2" tube, 3/4"NF male end (Includes O-RING 70921349)(Tractors #11637 and up)
38	70644713	5	CLIP, pressure line (29/32" diam., 17/32" bolt-hole)
	70070467	1	CAPSCREW, 1/2"NF x 1"
	70035221	1	CAPSCREW, 1/2"NC x 1"
	70035067	1	CAPSCREW, 1/2"NF x 2"
	70904208	3	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF
39	70644708	6	CLIP, pressure line (For two 7/8" diam. lines, 17/32" bolt-hole)
	70035221	3	CAPSCREW, 1/2"NC x 1"
	70067480	1	CAPSCREW, 1/2"NF x 3/4"
	70035718	2	CAPSCREW, 1/2"NC x 3/4"
	70904208	6	LOCKWASHER, 1/2"
	70910244	4	WASHER, plain, SAE std., 1/2"
40	70614516	1	BLOCK, spacing, pressure line clip
41	70634034	1	ANGLE, hose supporting (front)
42	70634051	1	STRAP, hose supporting (rear)
43	-----	-	See CONTROL VALVE AND LINES



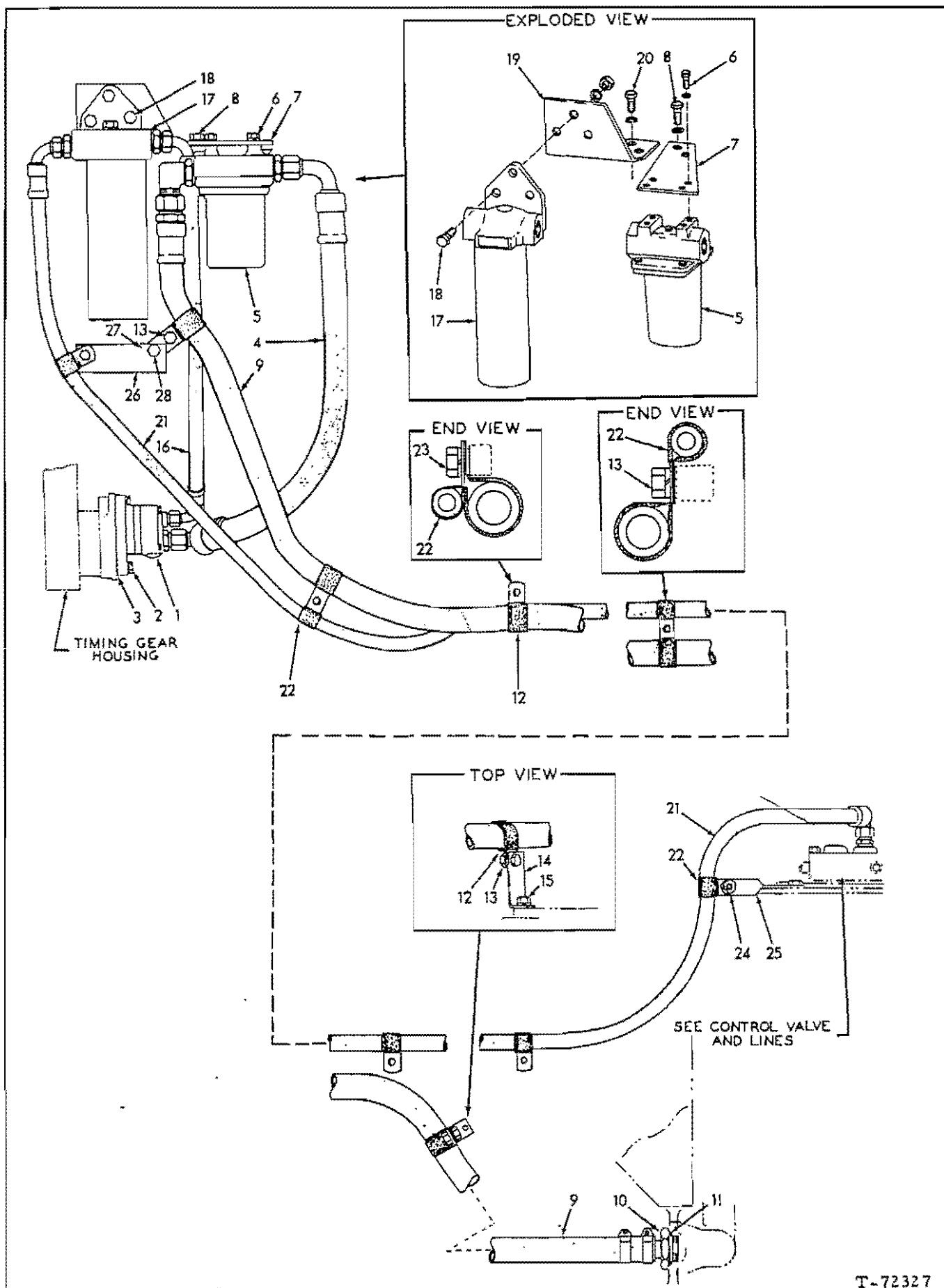
OIL PUMP ASSEMBLY 643630

T-41857

USAGE: See page 213

ITEM PART NO. QTY. DESCRIPTON

1	73033846	1	SEAL, pump shaft
2	-----	1	STATOR (Not serviced separately)
3	74048000	4	PIN, dowel
4	73033589	6	BEARING, needle
5	70643739	4	RING,snap, gear retaining
6	70643720	4	GEAR
7	-----	1	HOUSING, front (Not serviced separately)
8	70621363	2	GASKET, front housing
9	70643717	1	SHAFT, idler
10	70643716	1	SHAFT, drive
11	73010542	3	KEY, straight
12	-----	1	HOUSING, rear (Not serviced separately)
13	70667395	2	SCREW, hex-socket, 1/4"NC x 4-1/2"
14	70667396	6	SCREW, hex-socket, 1/4"NC x 4"
	70904204	8	LOCKWASHER, 1/4"
15	70092107	1	PLUG, expansion, 11/16" diam.
16	70099941	1	O-RING, rear cover
17	70099939	1	CAP, rear
	70905661	3	CAPSCREW, 5/16"NC x 5/8"
	70904205	3	LOCKWASHER, 5/16"



## HYDRAULIC STEERING CONTROL

USAGE: Tractors serial No. 12201 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	70651913	1	PUMP ASSEMBLY, oil (See page 219 for parts)
2	70044249	2	CAPSCREW, 3/8"NC x 1-1/8"
	70904206	2	LOCKWASHER, 3/8"
3	70651322	1	GASKET, pump mounting
4	70651899	1	HOSE, suction line, pump to strainer
	70922981	1	CONNECTOR, flare type, 3/4" tube, 7/8"NF male end (Includes O-RING 70921205)
	70922997	1	CONNECTOR, flare type, 3/4" tube, 1-5/16" straight thread (Includes O-RING 70921214)
5	70651388	1	STRAINER ASSEMBLY, oil (See page 218 for parts)
6	70035244	4	CAPSCREW, 3/8"NC x 3/4"
	70904206	4	LOCKWASHER, 3/8"
7	70649540	1	BRACKET, strainer mounting
8	70035221	2	CAPSCREW, 1/2"NC x 1"
	70904208	2	LOCKWASHER, 1/2"
9	70651183	1	HOSE, suction line, strainer to housing (See HOSE PARTS)
	70921227	1	ELBOW, adjustable, flare type, 90°, 1" tube, 1-5/16" straight thread (Includes O-RING 70921214)
	70921912	2	CLAMP, hose, 1-1/16" to 2" diam.
10	70656284	1	ADAPTER ASSEMBLY, suction line (Includes item 11)
11	70921887	1	O-RING, suction line adapter
12	70632547	5	CLIP, suction line
13	70035221	3	CAPSCREW, 1/2"NC x 1"
	70904208	3	LOCKWASHER, 1/2"
	70911028	3	NUT, 1/2"NC
14	70642533	1	ANGLE, suction line supporting
15	70614478	1	CAPSCREW, 1/2"NF x 1-3/8"
	70904208	1	LOCKWASHER, 1/2"
16	70651898	1	HOSE, pressure line, pump to filter (See HOSE PARTS)
	70921409	1	CONNECTOR, flare type, 1/2" tube, 3/4"NF male end (Includes O-RING 70921349)
	70921466	1	CONNECTOR, flare type, 1/2" tube, 3/4"NPT male
17	70631542	1	FILTER ASSEMBLY, pressure line (See page 221 for parts)
18	70035190	3	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	3	LOCKWASHER, 1/2"
	70911028	3	NUT, 1/2"NC
19	70649541	1	BRACKET, mounting, pressure line filter
20	70035221	2	CAPSCREW, 1/2"NC x 1"
	70904208	2	LOCKWASHER, 1/2"
21	70651037	1	HOSE, pressure line, filter to valve (See HOSE PARTS)
	70921466	1	CONNECTOR, flare type, 1/2" tube, 3/4"NPT male
	70921409	1	CONNECTOR, flare type, 1/2" tube, 3/4"NF male end (Includes O-RING 70921349)

(Continued)

**HYDRAULIC STEERING CONTROL (Continued)**

**ITEM PART NO. QTY. DESCRIPTION**

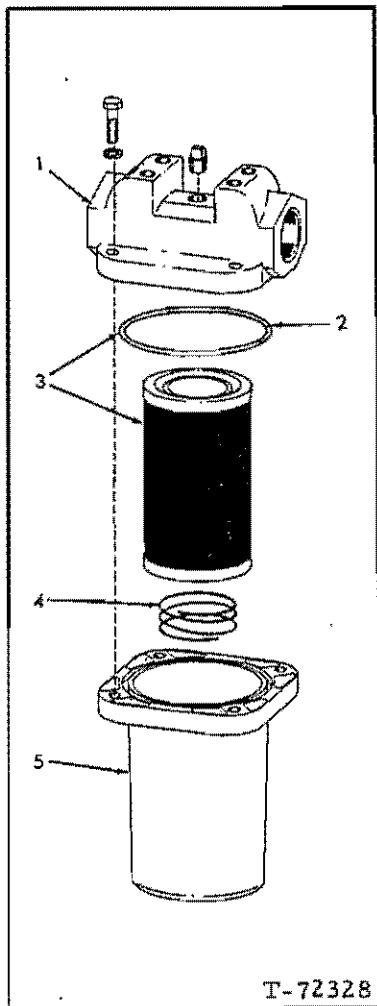
22	70644713	7	CLIP, pressure line
23	70035718	2	CAPSCREW, 1/2"NC x 3/4"
24	70035221	4	CAPSCREW, 1/2"NC x 1"
	70904208	6	LOCKWASHER, 1/2"
	70910244	2	WASHER, plain, SAE std., 1/2"
	70911028	2	NUT, 1/2"NC
25	70634051	1	STRIP, supporting, pressure line hose
26	70651900	1	BRACKET, hose supporting
27	70631747	1	STRIP, supporting, suction line hose
28	70035221	1	CAPSCREW, 1/2"NC x 1"
	70904208	1	LOCKWASHER, 1/2"
	70911028	1	NUT, 1/2"NC

**OIL STRAINER ASSEMBLY 70651388**

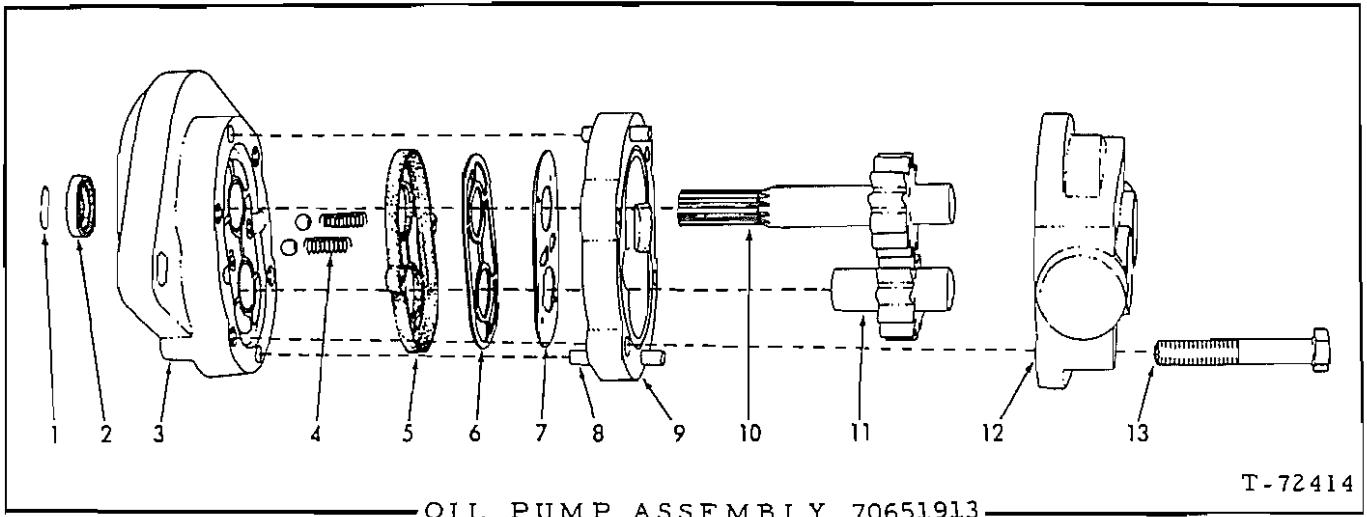
**USAGE:** See page 217

**ITEM PART NO. QTY. DESCRIPTION**

1	70651387	1	HEAD ASSEMBLY (Includes PLUG indented below)
	70901651	1	PLUG, pipe, 1/8"NPT
	70905657	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



T-72328



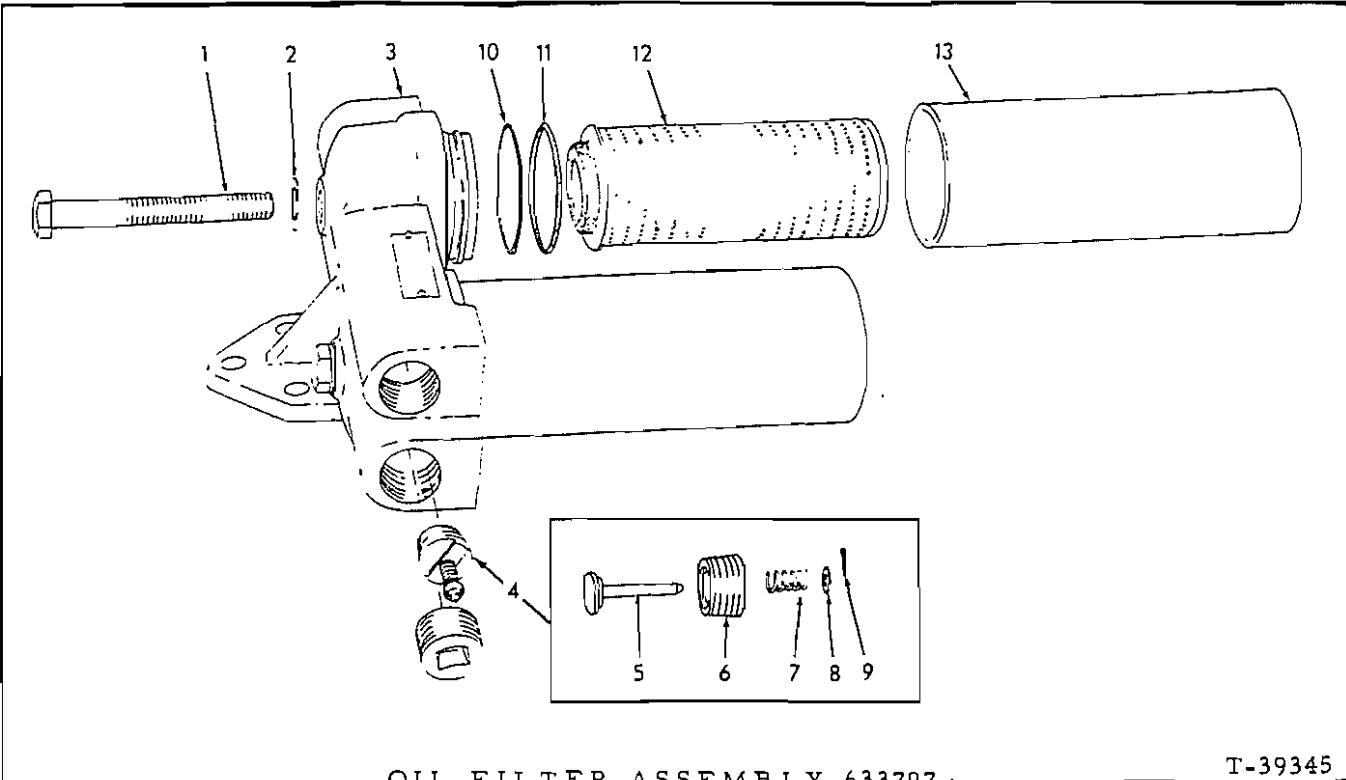
T-72414

OIL PUMP ASSEMBLY 70651913

USAGE: See page 217

ITEM PART NO. QTY. DESCRIPTION

1	70656775	1	RING, snap, drive shaft
2	70656150	1	SEAL, oil
3	70655442	1	PLATE ASSEMBLY, front (Includes bushings)
4	70650679 70915903	2	SPRING, check valve BALL, steel, 7/32" diam.
5	70661605	1	SEAL, diaphragm
6	70661604	1	GASKET, diaphragm
7	70661603	1	DIAPHRAGM, sealing
8	70657377	2	PIN, dowel
9	70654376	1	BODY
10	70656707	1	GEAR ASSEMBLY, drive (Includes shaft)
11	70656722	1	GEAR ASSEMBLY, idler (Includes shaft)
12	70654898	1	PLATE ASSEMBLY, rear (Includes bushing)
13	70068320	4	CAPSCREW, 5/16"NC x 2"



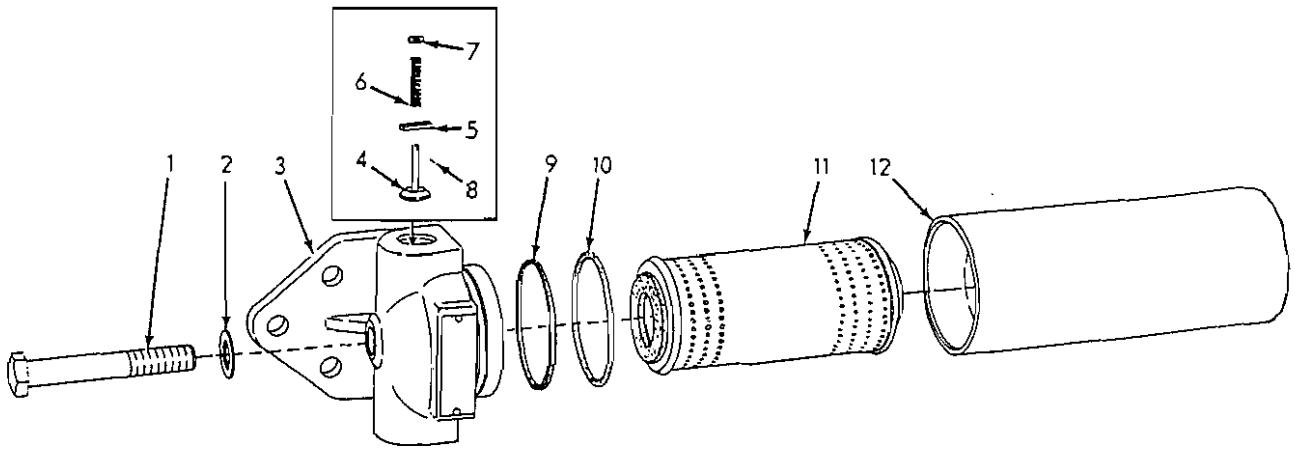
OIL FILTER ASSEMBLY 633797

T-39345

USAGE: See page 213

ITEM PART NO. QTY. DESCRIPTION

1	70638796	2	CAPSCREW, head retaining (5/8"NF x 5")
2	70631869	2	WASHER, head retaining capscrew
3	70633310 70901666	1	HEAD
		2	PLUG, pipe, ctsk-hd., 1"NPT
4	70633995	2	VALVE ASSEMBLY, by-pass (Consists of items 5 thru 9)
5	-----	2	VALVE, by-pass (Order item 4)
6	-----	2	HOUSING, by-pass valve (Order item 4)
7	{ 70631870 70661268	2	SPRING, by-pass valve (1-1/4" long)(Early units)
		2	SPRING, by-pass valve (1-7/16" long)(Late units)
8	70632060	2	WASHER, by-pass valve spring
9	{ 70632061 70900970	2	RING, snap, by-pass valve (Early units)
		2	PIN, cotter, 1/16" x 2" (Late units)
10	70632062	2	RING, sealing, filter head
11	70632063	2	O-RING, filter head
12	70631828	2	ELEMENT KIT (Includes items 2,10 and 11)
13	70631872	2	TANK

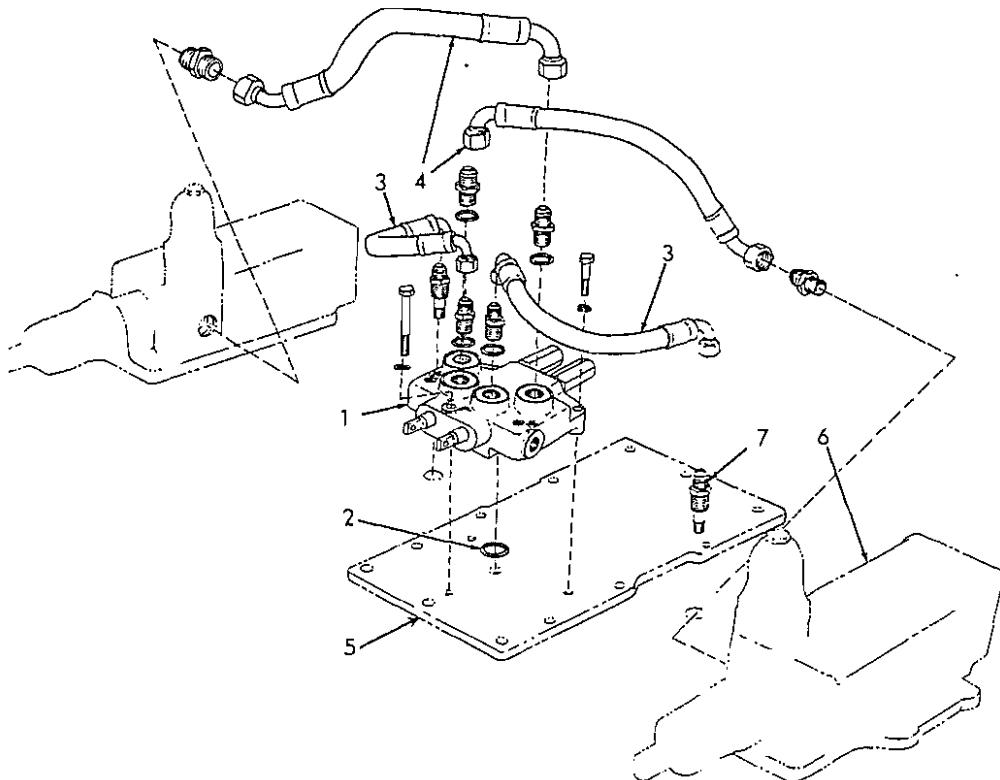


OIL FILTER ASSEMBLY 70631542

T-33495

USAGE: See page 217

ITEM	PART NO.	QTY.	DESCRIPTION
1	70070299	1	CAPSCREW, head retaining (5/8"NF x 4")
2	70631869	1	WASHER, head retaining capscrew
3	70631846	1	HEAD
4	70646302	1	VALVE, by-pass
5	70631868	1	SPANNER, by-pass valve
6	70631870	1	SPRING, by-pass valve
7	70632060	1	WASHER, by-pass valve spring
8	70900970	1	PIN, cotter, 1/16" x 1/2"
9	70632062	1	RING, sealing, filter head
10	70632063	1	O-RING, filter head
11	70631828	1	ELEMENT KIT (Includes items 2, 9 and 10)
12	70631872	1	TANK



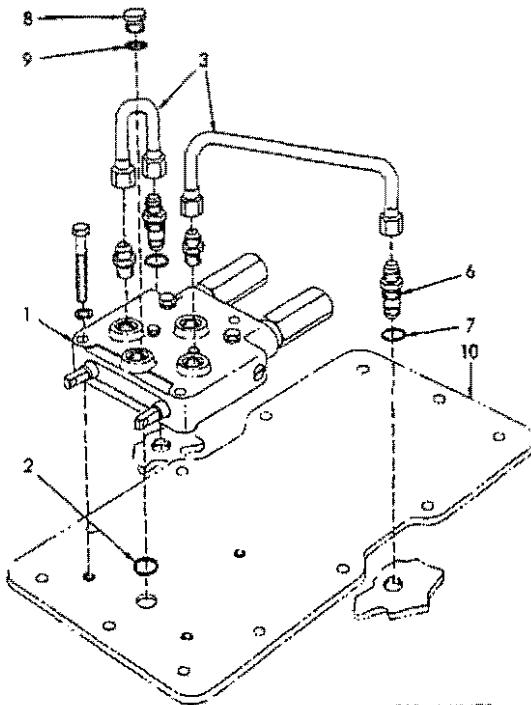
T-41858

**CONTROL VALVE AND LINES**

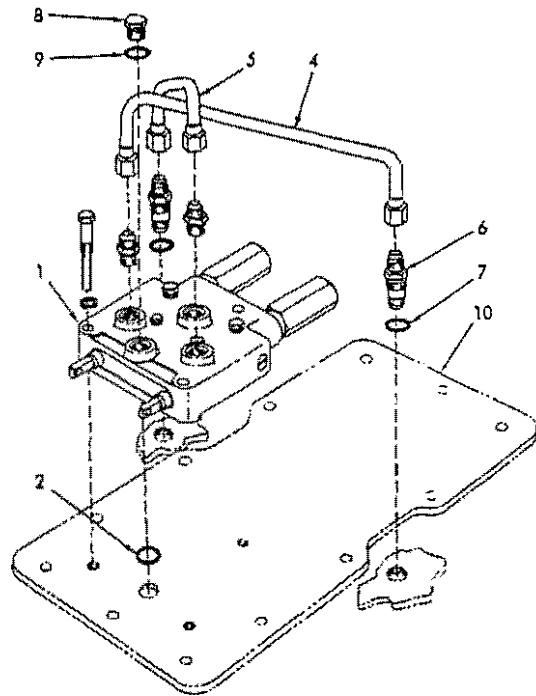
USAGE: Tractors prior to serial No. 12201

\* Tractors prior to serial No. 11637  
 \*\* Tractors serial No. 11637 thru No. 12200

ITEM	PART NO.	QTY.	DESCRIPTION
		*	**
1 {	70630427	1	VALVE ASSEMBLY ("Hydereco". See page 224 for parts)
	70042265	2	CAPSCREW, 3/8"NF x 3-1/4"
	70041911	2	CAPSCREW, 3/8"NF x 3-1/2"
	70904206	4	LOCKWASHER, 3/8"
	70911115	2	WASHER, plain, SAE std., 3/8"
2 {	70651432	-	VALVE ASSEMBLY ("Cessna". See page 226 for parts)
	70041913	-	CAPSCREW, 3/8"NF x 2-7/8"
	70203188	-	CAPSCREW, 3/8"NF x 1-1/2"
	70904206	-	LOCKWASHER, 3/8"
	70923575	1	O-RING, valve to compartment cover
3	70923947	-	O-RING, valve to compartment cover
	70646988	2	HOSE, clutch control (See HOSE PARTS)
	70919128	2	CONNECTOR, flare type, 1/2" tube, 1/2"NPT male
	70921409	-	CONNECTOR, flare type, 1/2" tube, 3/4"NF male end (Includes O-RING 70921349)
4	70642521	2	HOSE, brake control (See HOSE PARTS)
	70919128	4	CONNECTOR, flare type, 1/2" tube, 1/2"NPT male
	70921409	-	CONNECTOR, flare type, 1/2" tube, 3/4"NF male end (Includes O-RING 70921349)
5	-----	-	COVER, bevel gear compartment (See MAIN HOUSING)
6	-----	-	VALVE ASSEMBLY (See BRAKES)
7	70628458	2	UNION, bulkhead



EARLY UNITS



LATE UNITS

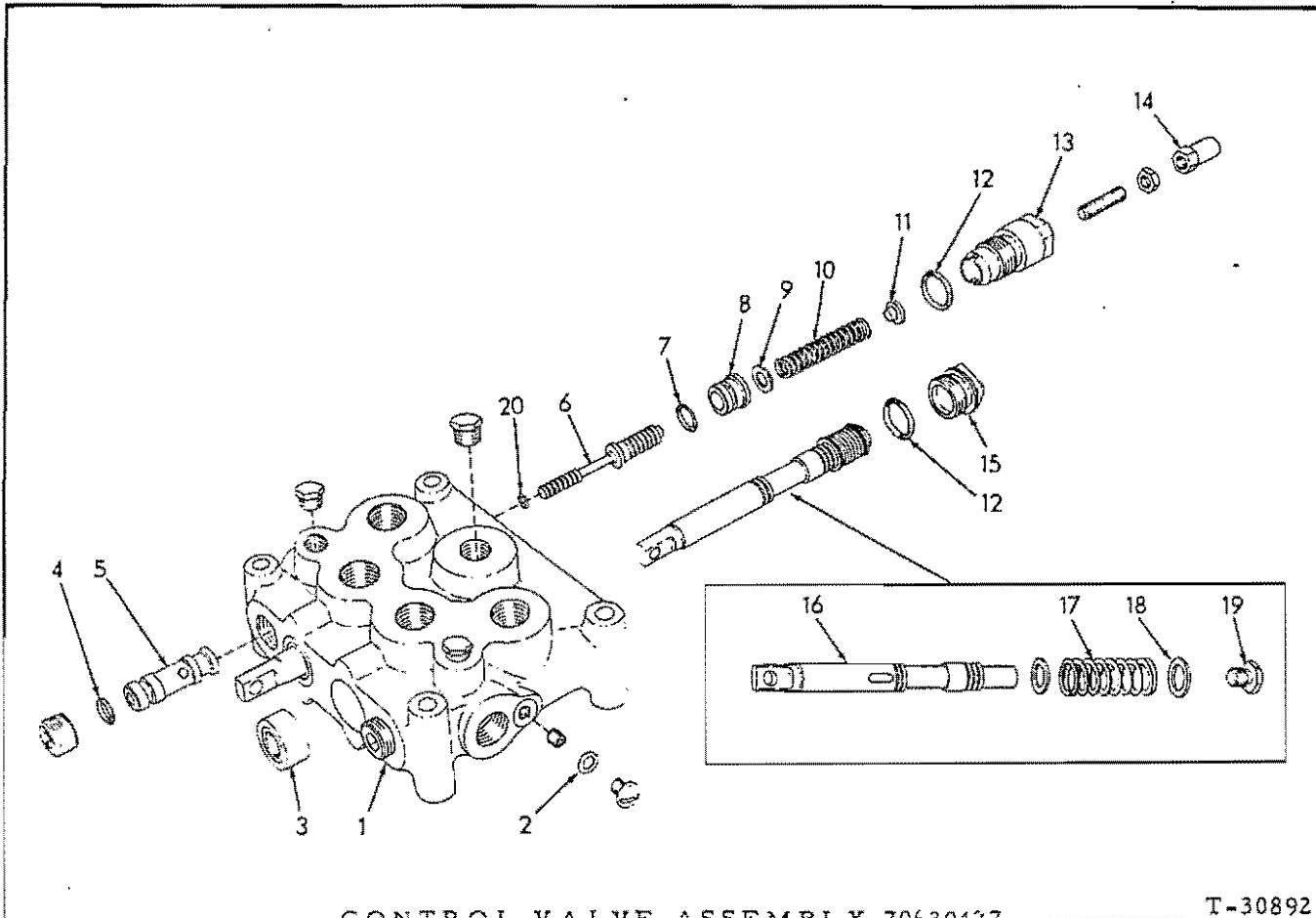
**CONTROL VALVE AND LINES**

T-72394

USAGE: Tractors serial No. 12201 and up

\* Tractors serial No. 12201 thru 13366  
\*\* Tractors serial No. 13367 and up

ITEM	PART NO.	QTY.	DESCRIPTION
		*	**
1	70651739	1	VALVE ASSEMBLY ("Cessna". See page 227 for parts)
	70916388	3	CAPSCREW, 3/8"NF x 2-3/4"
	70904206	3	LOCKWASHER, 3/8"
2	70923947	1	O-RING, valve to compartment cover
3	70651920	2	TUBE ASSEMBLY, clutch control (Includes nuts)
	70921409	2	CONNECTOR, flare type, 1/2" tube, 3/4"NF male end (Includes O-RING 70921349)
4	70659959	-	TUBE ASSEMBLY, left clutch (Includes nuts)
	70921409	-	CONNECTOR, flare type, 1/2" tube, 3/4"NF male end (Includes O-RING 70921349)
5	70659960	-	TUBE ASSEMBLY, right clutch (Includes nuts)
	70921409	-	CONNECTOR, flare type, 1/2" tube, 3/4"NF male end (Includes O-RING 70921349)
6	70651893	2	UNION, bulkhead
7	70921206	2	O-RING, bulkhead union
8	70921573	1	PLUG, valve housing (Includes item 9)
9	70921349	1	O-RING, valve housing plug
10	-----	-	COVER, bevel gear compartment



CONTROL VALVE ASSEMBLY 70630427

T-30892

USAGE: See page 222

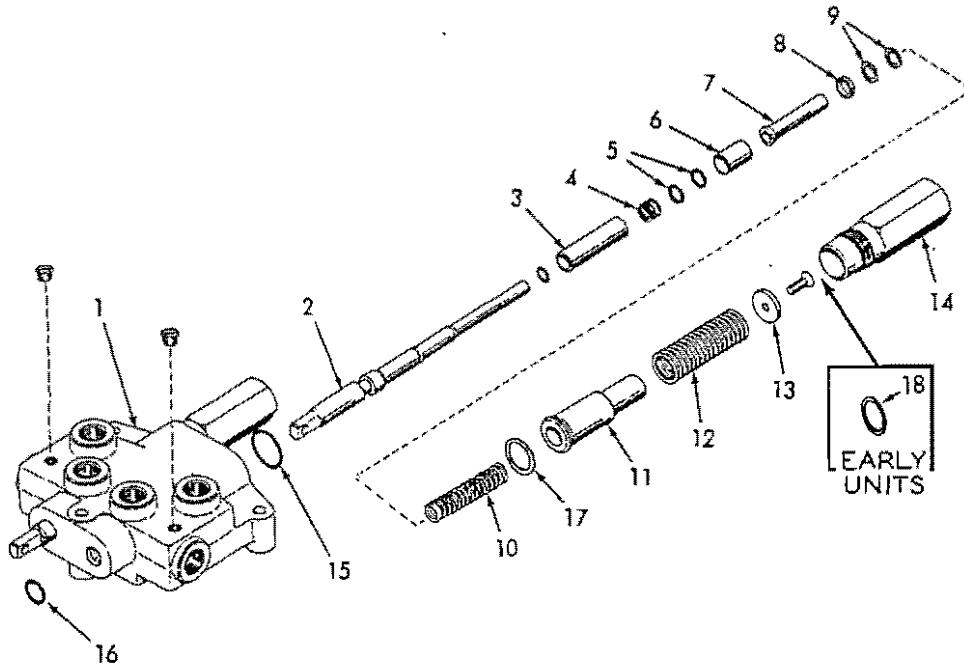
ITEM PART NO. QTY. DESCRIPTION

1	-----	1	HOUSING (Not serviced separately)
	70919840	2	PLUG, pipe, hex-hd., 1/4"NPT
	70920333	1	PLUG, pipe, hex-hd., 3/8"NPT
	70908944	2	PLUG, pipe, hex-socket, 1/2"NPT
	70900585	2	SCREW, machine, 5/16"NC x 5/8"
2	703001737	2	GASKET, plugging screw
3	70623420	2	SEAL, oil, operating plunger
4	70923548	2	O-RING, relief valve front seat
5	703014007	2	SEAT, relief valve, front
	70905564	2	SETSCREW, hex-socket, cup-pt., 5/16"NC x 5/8"
6	70623431	2	PLUNGER, relief valve
7	70923376	2	O-RING, relief valve rear seat
8	70623430	2	SEAT, relief valve, rear
9	70631935	2	WASHER, relief valve plunger
10	70630528	2	SPRING, relief valve

(Continued)

CONTROL VALVE ASSEMBLY 70630427 (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
11	70623427	2	GUIDE, relief valve spring
12	70923574	4	O-RING, rear caps
13	70623428 70921303 70911048	2 2 2	CAP, relief valve adjustment SETSCREW, oval-pt., 3/8"NF x 1-1/2" NUT, jam, 3/8"NF
14	73002757	2	NUT, acorn, relief valve
15	70623429	2	CAP, operating plunger
16	-----	2	PLUNGER, operating (Not serviced separately)
17	70627378	2	SPRING, operating plunger
18	70627377	4	WASHER, operating plunger
19	70627380	2	CAP, operating plunger
20	70655743	2	O-RING, relief valve plunger



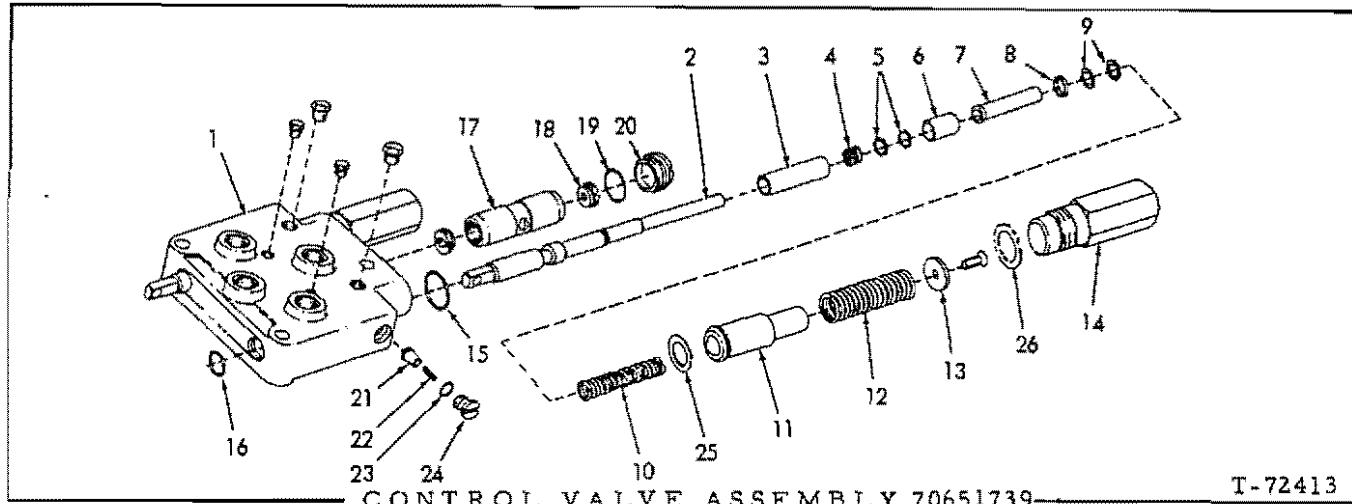
CONTROL VALVE ASSEMBLY 70651432

T-72040

USAGE: See page 222

ITEM PART NO. QTY. DESCRIPTION

1	70919134	1	BODY (Not serviced separately)
2		2	PLUG, pipe, hex-hd., 1/8"NPT
3	70651564	2	PISTON, pressure regulating
4	70651569	2	SPRING, pressure regulating (short)
5	{ 70651576	-	SHIM, pressure adjustment (.015" thick)
	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)
	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	70663123	2	SHIM, plunger clearance (Late units)
18	70663124	2	SHIM, plunger clearance (Early units) } Use as required



T-72413

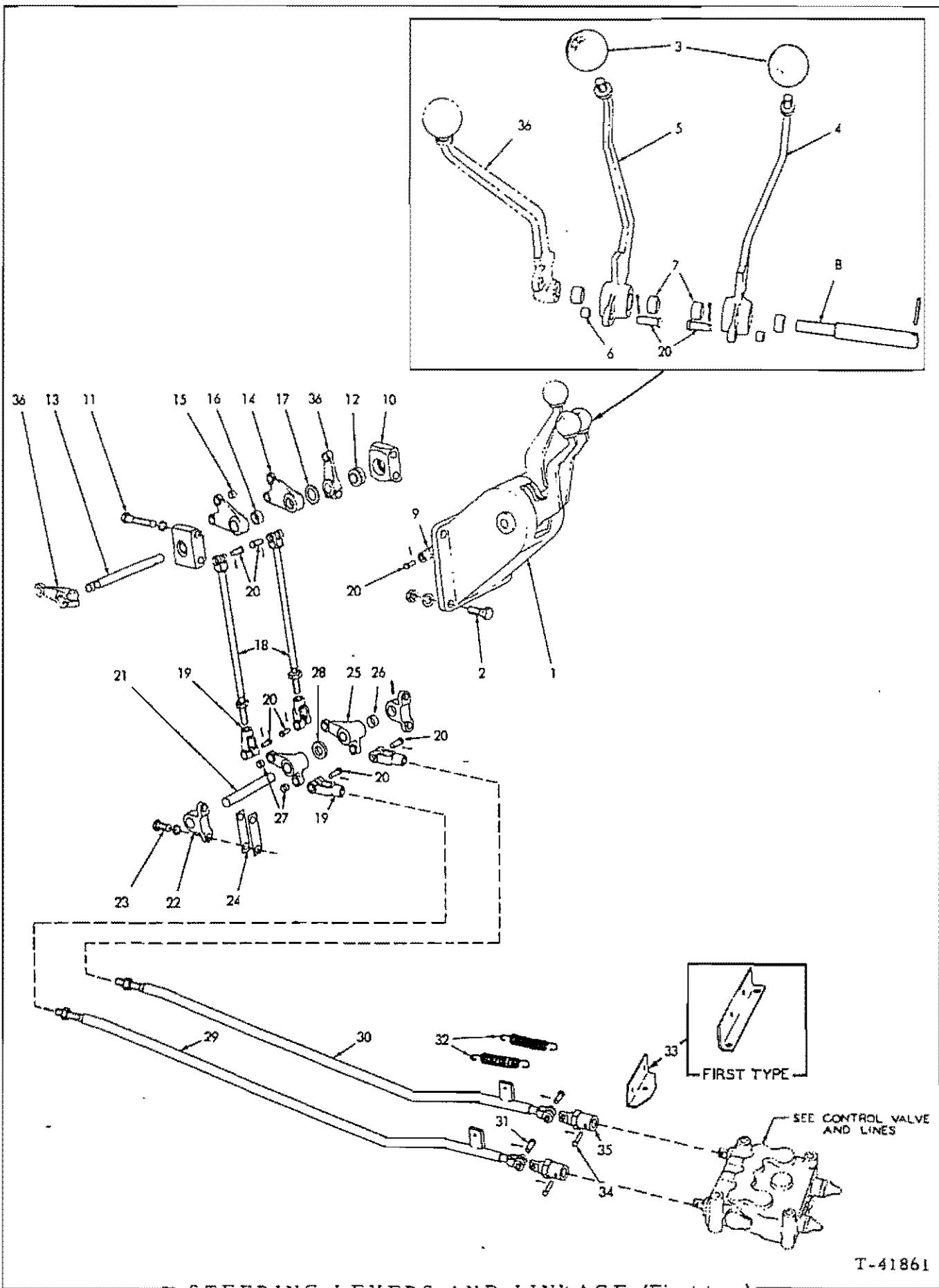
USAGE: See page 223

ITEM PART NO. QTY. DESCRIPTION

1	-----	1	BODY (Not serviced separately)
	70919134	2	PLUG, pipe, hex-head, 1/8"NPT
	70919840	2	PLUG, pipe, hex-head, 1/4"NPT
2	-----	2	PLUNGER (Not serviced separately)
3	70651564	2	PISTON, pressure regulating
4	70651569	2	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)
18	70656189	2	PLUG, orifice, flow divider plunger
19	70923988	1	O-RING, flow divider plug
20	70654523	1	PLUG ASSEMBLY, flow divider (Includes item 19)
21	70656190	2	PLUNGER, relief valve
22	70656192	2	SPRING, relief valve
23	70923663	2	O-RING, relief valve plug
24	70656191	2	PLUG ASSEMBLY, relief valve (Includes item 23)
25	70663123	2	SHIM, plunger clearance (Late units) } Use as required
26	70663124	2	SHIM, plunger clearance (Early units) }

(Revised May 1979)

0651804-7



STEERING LEVERS AND LINKAGE (First type)

T-41861

## STEERING LEVERS AND LINKAGE

USAGE: Tractors prior to serial No. 12201

ITEM	PART NO.	QTY.	DESCRIPTION
1	{ 70633659 70651738	1 1	BRACKET, steering lever (Tractors prior to #11637) BRACKET, steering lever (Tractors #11637 and up)
2	70614478 70904208 70911043	4 4 4	CAPSCREW, 1/2"NF x 1-3/8" LOCKWASHER, 1/2" NUT, 1/2"NF
3	70090020	2	KNOB, steering lever
4	70630847	1	LEVER ASSEMBLY, steering, left (Includes items 6 and 7)
5	70630848	1	LEVER ASSEMBLY, steering, right (Includes items 6 and 7)
6	70624584	2	BUSHING, steering lever (small)
7	70630795	4	BUSHING, steering lever (large)
8	70629716 70915989	1 1	SHAFT, steering levers PIN, spring, 3/16" x 1-3/8"
9	70633633	2	ROD, upper
10	-----	2	BLOCK, pillow, upper shaft (Order BEARING ASSY. 70654656 and 2 CAPSCREWS 70036032)
11	70099575 70904206	4 4	CAPSCREW, 3/8"NF x 2-1/4" LOCKWASHER, 3/8"
12	70643257	2	BUSHING, pillow block
13	70633621	1	SHAFT, upper
14	70633687	2	BELLCRANK ASSEMBLY, upper shaft (Includes items 15 and 16)
15	70624584	4	BUSHING, upper shaft bellcrank (small)
16	70630795	4	BUSHING, upper shaft bellcrank (large)
17	70040099	1	WASHER, spacing, upper shaft
18	70633636 70911041	2 2	ROD, vertical NUT, 3/8"NF
19	70628736	4	YOKE, control rod
20	70078810 70900801	10 10	PIN, control linkage yokes PIN, cotter, 3/32" x 3/4"
21	70633628 70915751	1 1	SHAFT, lower PIN, spring, 3/16" x 1-1/2"
22	70633607	2	BLOCK, pillow, lower shaft
23	-70036034 70904206	4 4	CAPSCREW, 3/8"NF x 1" LOCKWASHER, 3/8"
24	70061554	8	SHIM, lower shaft pillow block (Use as required)
25	70633648	2	BELLCRANK ASSEMBLY, lower shaft (Includes items 26 and 27)
26	70630795	4	BUSHING, bellcrank (large)
27	70624584	4	BUSHING, bellcrank (small)

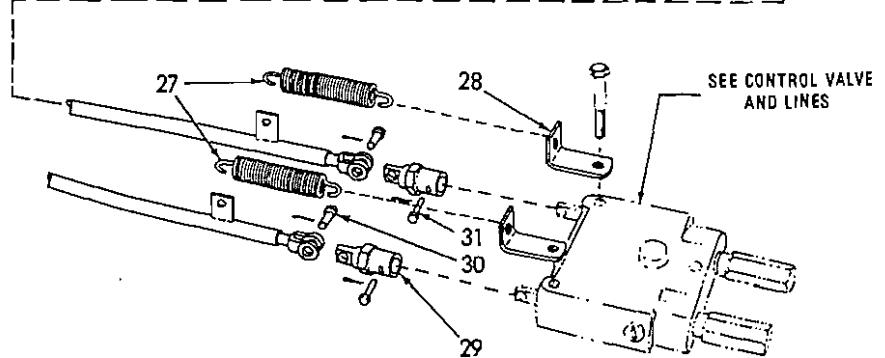
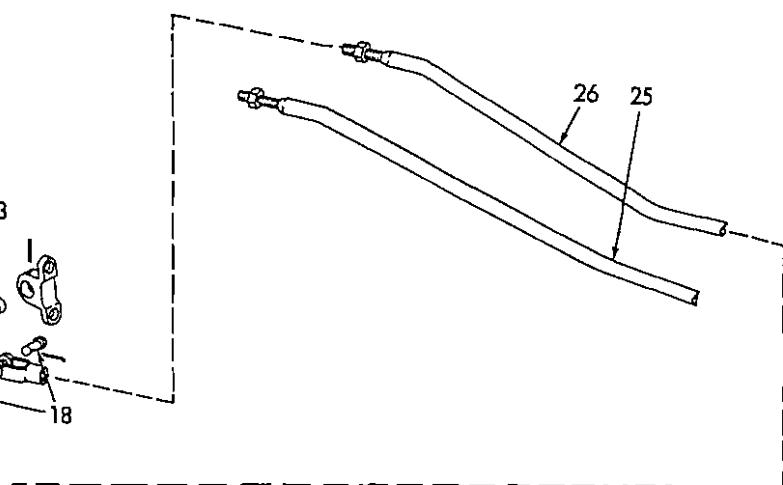
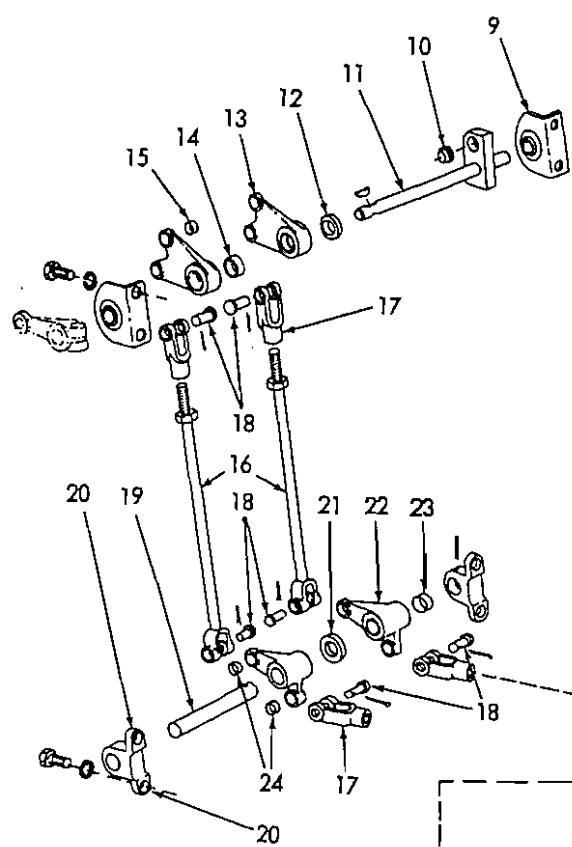
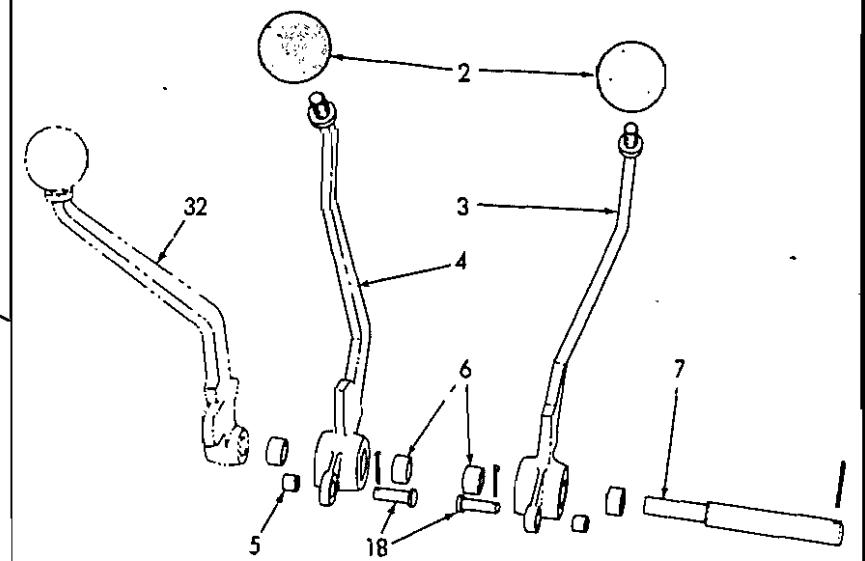
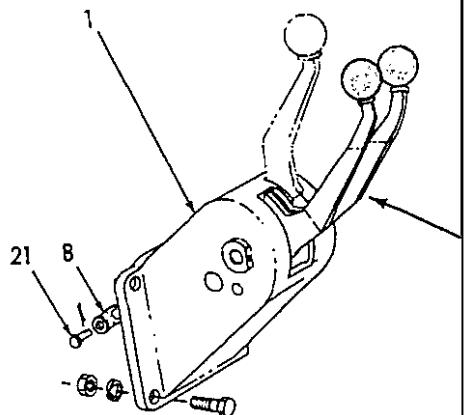
(Continued)

## STEERING LEVERS AND LINKAGE (Continued)

USAGE: Tractors prior to serial No. 12201

ITEM	PART NO.	QTY.	DESCRIPTION
28	70062334	1	SPACER, lower shaft
29	70633645 70911041	1 1	ROD, horizontal, left NUT, 3/8"NF
30	70633646 70911041	1 1	ROD, horizontal, right NUT, 3/8"NF
31	70627451 70900801	2 2	PIN, control rod, rear PIN, cotter, 3/32" x 3/4"
32	70043881	2	SPRING, retracting
33	{ 70634316 70651762	1 1	ANGLE, retracting spring attachment (Tractors prior to #11637) ANGLE, retracting spring attachment (Tractors #11637 and up)
34	70630833 70900801	2 2	PIN, retaining, over-travel PIN, cotter, 3/32" x 3/4"
35	70656151	2	OVER-TRAVEL ASSEMBLY (Serviced only as a unit)
36	-----	-	LEVERS (See THROTTLE CONTROL)

MEMO



STEERING LEVERS AND LINKAGE (Second type)

T-72329

## STEERING LEVERS AND LINKAGE

USAGE: Tractors serial No. 12201 thru 13366

ITEM	PART NO.	QTY.	DESCRIPTION
1	70650750	1	BRACKET, steering lever
	70614478	4	CAPSCREW, 1/2"NF x 1-3/8"
	70904208	4	LOCKWASHER, 1/2"
	70911043	4	NUT, 1/2"NF
2	70090020	2	KNOB, steering lever
3	70630847	1	LEVER ASSEMBLY, steering, left (Includes items 5 and 6)
4	70630848	1	LEVER ASSEMBLY, steering, right (Includes items 5 and 6)
5	70624584	2	BUSHING, steering lever (small)
6	70630795	4	BUSHING, steering lever (large)
7	70629716	1	SHAFT, steering levers
	70915989	1	PIN, spring, 3/16" x 1-3/8"
8	633633	2	ROD, upper
9	70654656	2	BEARING ASSEMBLY, lever (Serviced only as a unit)
	70036032	4	CAPSCREW, 3/8"NF x 3/4"
	70904206	4	LOCKWASHER, 3/8"
10	70650712	1	BEARING, lever (spherical)
11	70650713	1	LEVER ASSEMBLY (Includes item 10)(Also serves as upper bellcrank shaft)
12	70062334	1	WASHER, spacing, upper bellcrank
13	70633687	2	BELLCRANK ASSEMBLY, upper (Includes items 14 and 15)
14	70630795	4	BUSHING, upper bellcrank (large)
15	70624584	4	BUSHING, upper bellcrank (small)
16	70633636	2	ROD, vertical
	70911041	2	NUT, .3/8"NF
17	70628736	4	YOKE, control rod
18	70078810	10	PIN, control linkage yokes
	70900801	10	PIN, cotter, 3/32" x 3/4"
19	70633628	1	SHAFT, lower
	70915751	1	PIN, spring, 3/16" x 1-1/2"
20	70633607	2	BLOCK, pillow, lower shaft
	70036034	4	CAPSCREW, 3/8"NF x 1"
	70904206	4	LOCKWASHER, 3/8"
21	70062334	1	SPACER, lower shaft
22	70633648	2	BELLCRANK ASSEMBLY, lower (Includes items 23 and 24)
23	70630795	4	BUSHING, lower bellcrank (large)

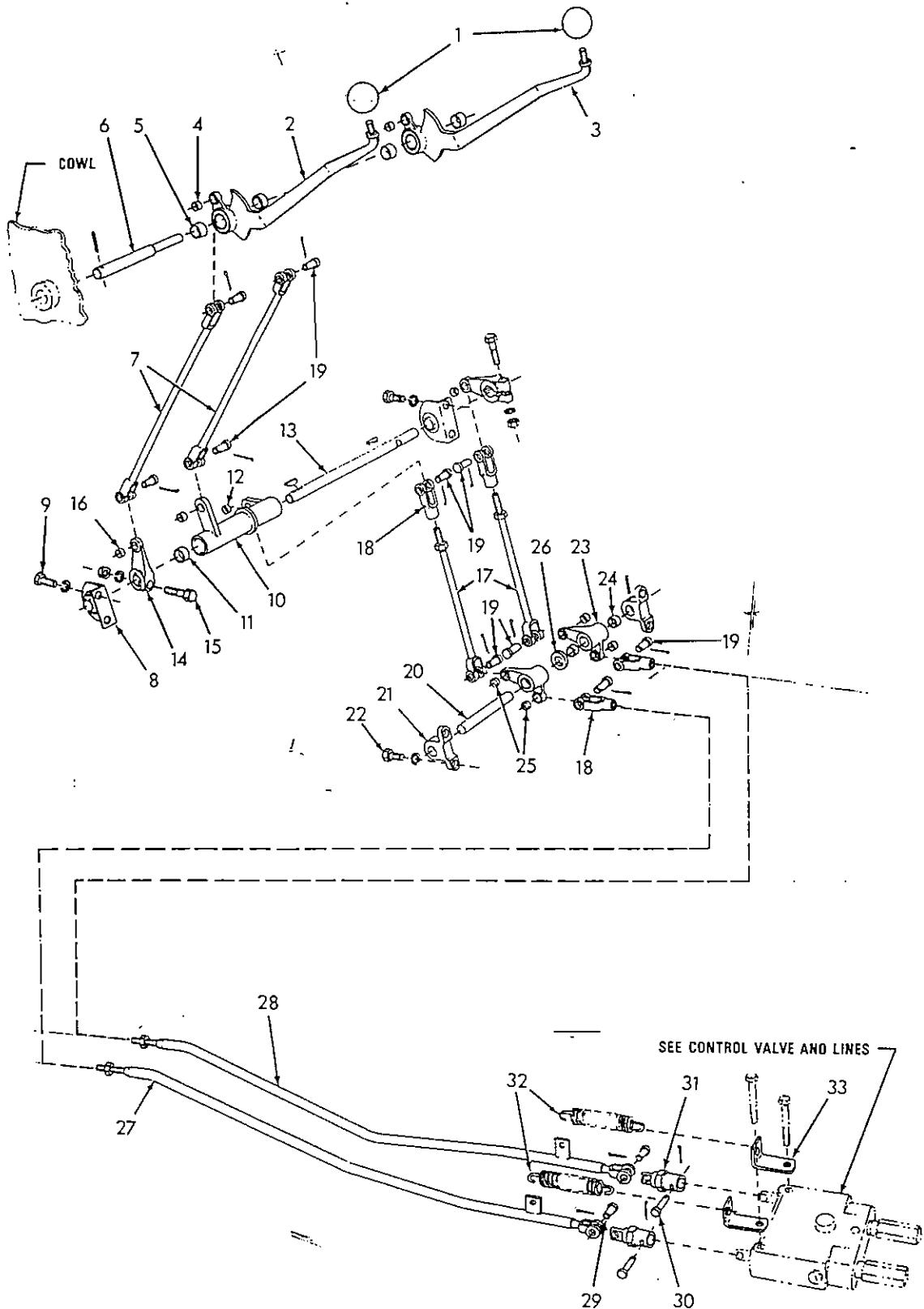
(Continued)

STEERING LEVERS AND LINKAGE (Continued)

ITEM PART NO. QTY. DESCRIPTION

24	70624584	4	BUSHING, lower bellcrank (small)
25	70651921	1	ROD, horizontal, left
	70911041	1	NUT, 3/8"NF
26	70651922	1	ROD, horizontal, right
	70911041	1	NUT, 3/8"NF
27	70072438	2	SPRING, rod retracting
28	70628821	2	CLIP, retracting spring
29	70656151	2	OVER-TRAVEL ASSEMBLY (Serviced only as a unit)
30	70627451	2	PIN, control rod, rear
	70900801	2	PIN, cotter, 3/32" x 3/4"
31	70630833	2	PIN, retaining, over-travel
	70900801	2	PIN, cotter, 3/32" x 3/4"
32	-----	-	LEVERS (See THROTTLE CONTROL)

M E M O



STEERING LEVERS AND LINKAGE (Third type)

T-74935

## STEERING LEVERS AND LINKAGE

USAGE: Tractors serial No. 13367 and up

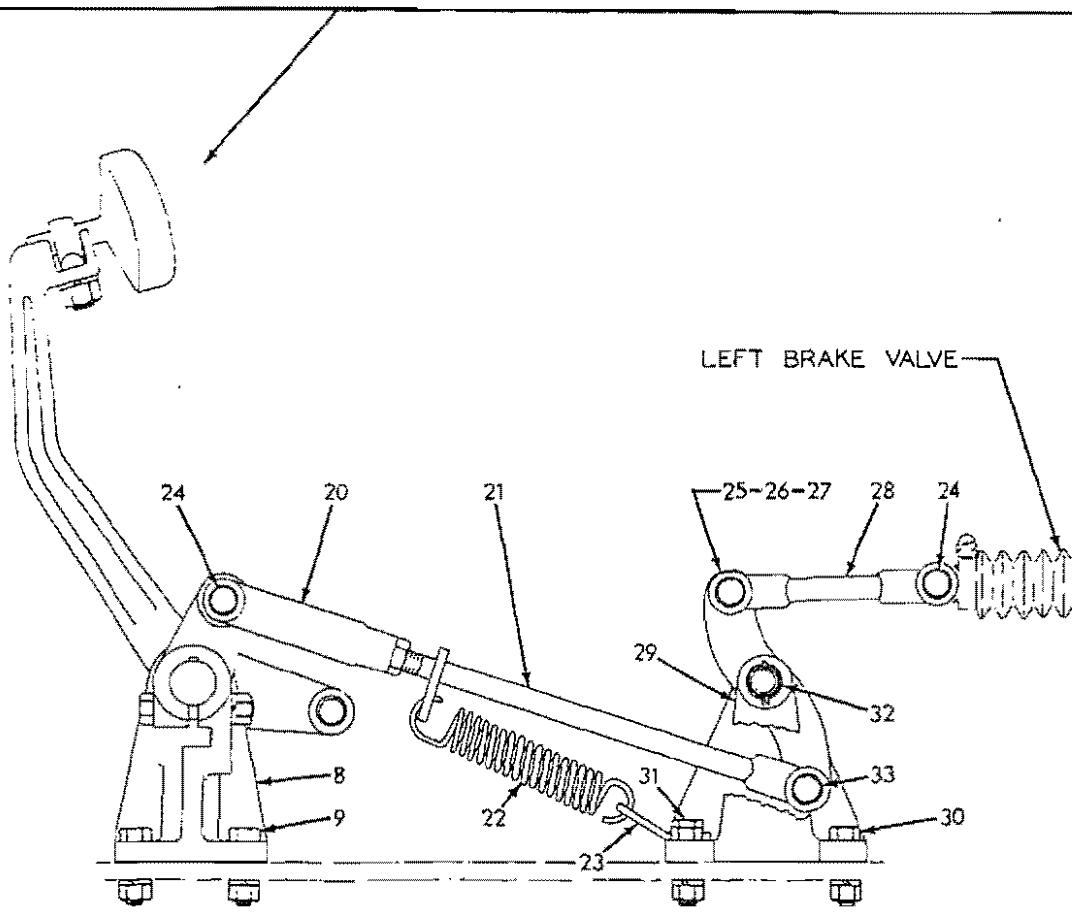
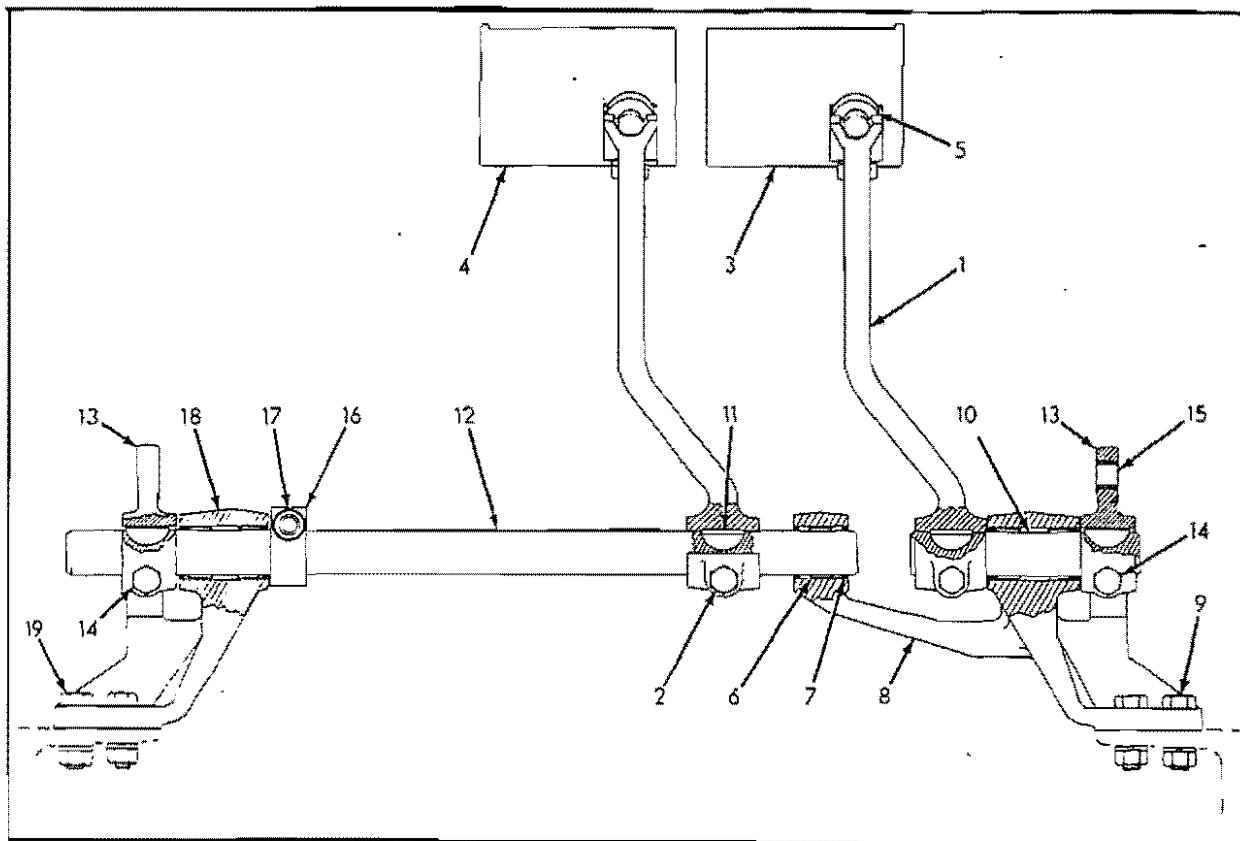
ITEM	PART NO.	QTY.	DESCRIPTION
1	70090020	2	KNOB, steering lever
2	70657847	1	LEVER ASSEMBLY, steering, left (Includes items 4 and 5)
3	70657848	1	LEVER ASSEMBLY, steering, right (Includes items 4 and 5)
4	70624584	2	BUSHING, steering lever (small)
5	70630795	4	BUSHING, steering lever (large)
6	70629716 70915989	1 1	SHAFT, steering levers PIN, spring, 3/16" x 1-3/8"
7	70657853	2	ROD, upper
8	70654656	2	BEARING ASSEMBLY, upper cross shaft (Serviced only as a unit)
9	70036032 70904206	4 4	CAPSCREW, 3/8"NF x 3/4" LOCKWASHER, 3/8"
10	70660050	1	LEVER ASSEMBLY, upper cross shaft, inner (Includes items 11 and 12)
11	70630795	2	BUSHING, inner lever (large)
12	70624584	2	BUSHING, inner lever (small)
13	70657852 70905123	1 2	SHAFT, cross, upper KEY, #9 woodruff, 3/16" x 3/4"
14	70630836	2	LEVER ASSEMBLY, upper cross shaft, outer (Includes item 16)
15	70046419 70904206 70911041	2 2 2	CAPSCREW, 3/8"NF x 2" LOCKWASHER, 3/8" NUT, 3/8"NF
16	70624584	2	BUSHING, outer lever
17	70657855 70911041	2 2	ROD, vertical NUT, 3/8"NF
18	70628736	4	YOKE, control rod
19	70078810 70900801	10 10	PIN, control linkage yokes PIN, cotter, 3/32" x 3/4"
20	70633628 70915751	1 1	SHAFT, cross, lower PIN, spring, 3/16" x 1-1/2"
21	70633607	2	BLOCK, pillow, lower cross shaft
22	70036034 70904206	4 4	CAPSCREW, 3/8"NF x 1" LOCKWASHER, 3/8"
23	70633648	2	BELLCRANK ASSEMBLY, lower (Includes items 24 and 25)
24	70630795	4	BUSHING, lower bellcrank (large)

(Continued)

## STEERING LEVERS AND LINKAGE (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
25	70624584	4	BUSHING, lower bellcrank (small)
26	70062334	1	SPACER, lower shaft
27	70651921 70911041	1 1	ROD, horizontal, left NUT, 3/8"NF
28	70651922 70911041	1 1	ROD, horizontal, right NUT, 3/8"NF
29	70627451 70900801	2 2	PIN, control rod, rear PIN, cotter, 3/32" x 3/4"
30	70630833 70900801	2 2	PIN, retaining, over-travel PIN, cotter, 3/32" x 3/4"
31	70656151	2	OVER-TRAVEL ASSEMBLY (Serviced only as a unit)
32	70072438	2	SPRING, rod retracting
33	70628821	2	CLIP, retracting spring

MEMO



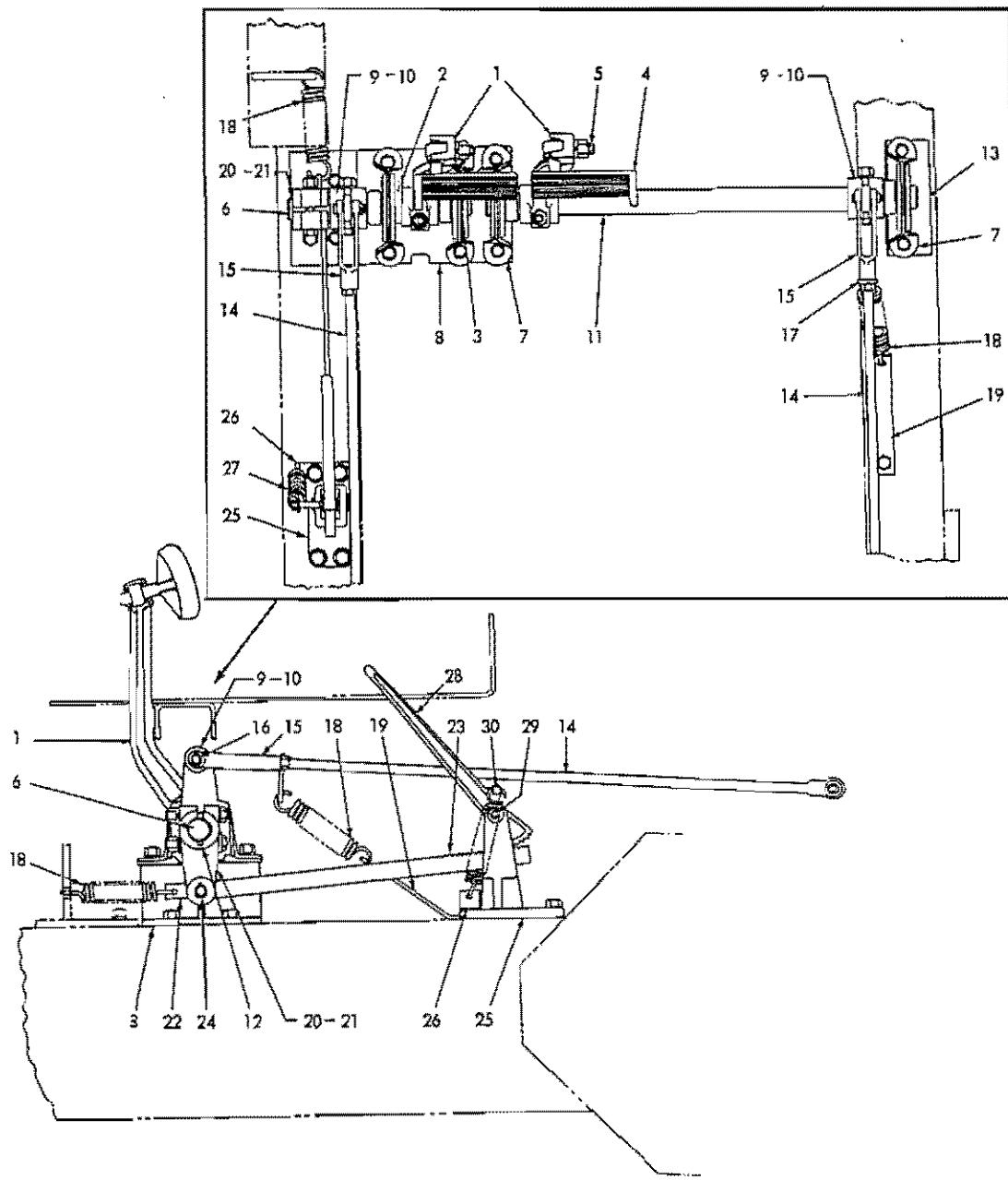
BRAKE CONTROL (First type)

T-41862

## BRAKE CONTROL

USAGE: Tractors prior to serial No. 12201

ITEM	PART NO.	QTY.	DESCRIPTION
1	70632071	2	LEVER, pedal
2	70035278	2	CAPSCREW, 1/2"NF x 2-3/4"
	70904208	2	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF
3	70623151	1	PAD, left pedal lever
4	70641820	1	PAD, right pedal lever
5	70050433	2	BOLT, eye, pedal lever pad
	70904209	2	LOCKWASHER, 5/8"
	70911044	2	NUT, 5/8"NF
6	70052642	5	BEARING, needle, pedal shafts
7	70053243	6	SEAL, dust, pedal shafts
8	70641757	1	BRACKET, pedal shaft, left
9	70035073	4	CAPSCREW, 1/2"NF x 1-3/4"
	70904208	4	LOCKWASHER, 1/2"
	70911043	4	NUT, 1/2"NF
10	70633096	1	SHAFT, left pedal
11	70631883	4	KEY, pedal shafts (1/4" x 1-1/4")
12	70633079	1	SHAFT, right pedal
13	70633081	2	LEVER ASSEMBLY, pedal shaft (Includes item 15)
14	70035278	2	CAPSCREW, 1/2"NF x 2-3/4"
	70904208	2	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF
15	70052669	2	BUSHING, pedal shaft lever
16	70052639	1	COLLAR, right pedal lever shaft
17	70035278	1	CAPSCREW, 1/2"NF x 2-3/4"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
18	70633114	1	BRACKET, pedal shaft, right
19	70035073	4	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	4	LOCKWASHER, 1/2"
	70911043	4	NUT, 1/2" NF
20	70628730	2	YODE, front rod
21	70633185	2	ROD, front
	70911049	2	NUT, jam, 5/8"NF
22	70624766	2	SPRING, retracting
23	70634359	2	CLIP, retracting spring
24	70052671	8	PIN, control rods
	70900806	8	PIN, cotter, 1/8" x 1"
25	70633094	2	LEVER ASSEMBLY, rocker (Includes items 26 and 27)
26	70052669	4	BUSHING, rocker lever, end
27	70631235	4	BUSHING, rocker lever, center
28	70627401	2	ROD, rear
29	70633113	2	BRACKET ASSEMBLY, rocker lever (Includes item 32)
30	70035073	6	CAPSCREW, 1/2"NF x 1-3/4"
31	70035067	2	CAPSCREW, 1/2"NF x 2"
	70904208	8	LOCKWASHER, 1/2"
	70911043	8	NUT, 1/2"NF
32	70623164	4	BUSHING, rocker lever bracket
33	70634372	2	PIN, rocker lever bracket
	70910302	4	PIN, cotter, 5/32" x 1-1/4"



BRAKE CONTROL (Second type)

T - 72330

## B R A K E   C O N T R O L

USAGE: Tractors serial No. 12201 and up

### ITEM PART NO. QTY. DESCRIPTION

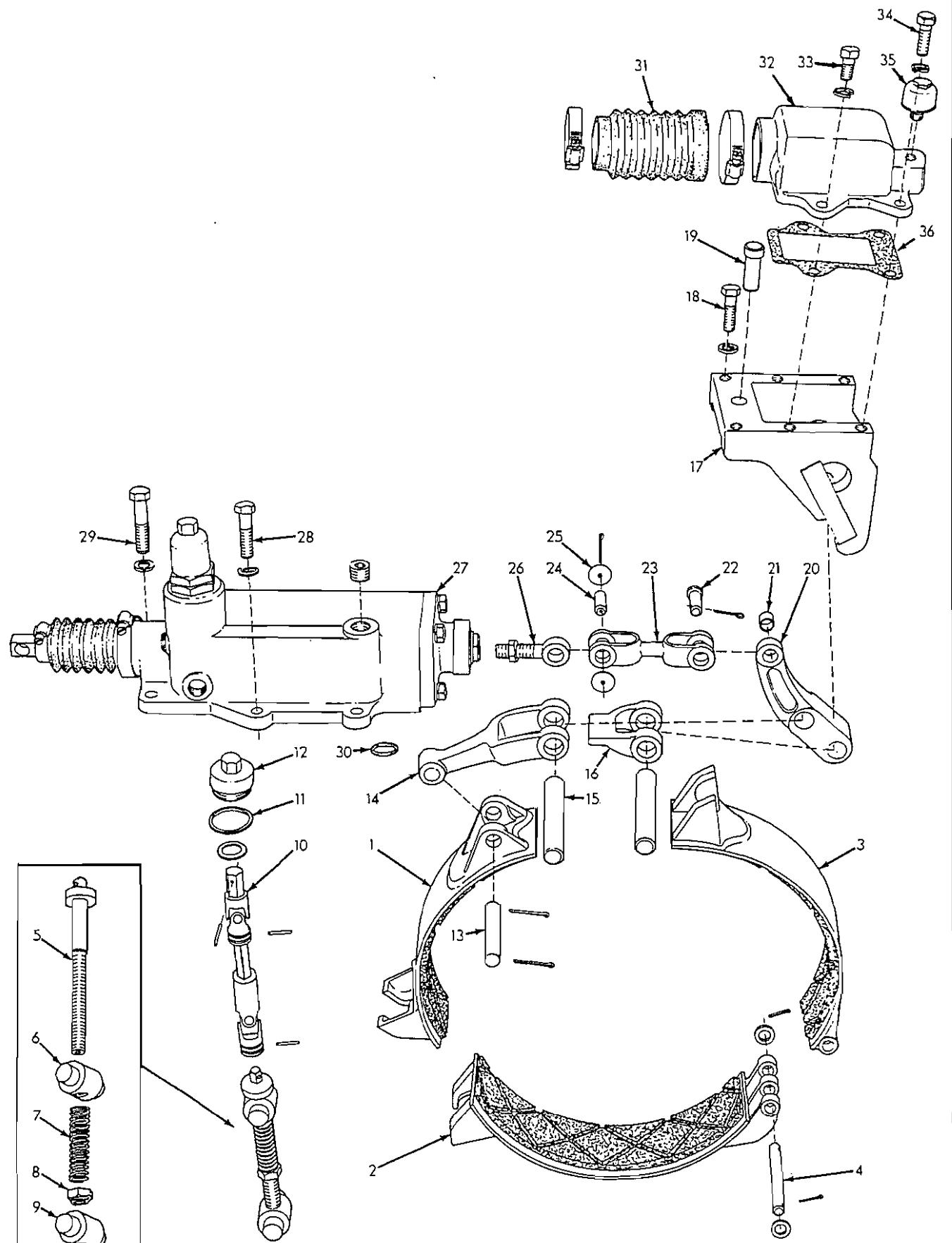
1	70650044 70035278 70904208 70911043	2	LEVER, pedal CAPSCREW, 1/2"NF x 2-3/4" LOCKWASHER, 1/2" NUT, 1/2"NF
2	70912832	1	WASHER, spacing, left pedal
3	70623151	1	PAD, left pedal
4	70641820	1	PAD, right pedal
5	70050433 70904209 70911044	2	EYE-BOLT, pedal pad LOCKWASHER, 5/8" NUT, 5/8"NF
6	70650016	1	SHAFT, left pedal
7	70650026 70614478 70904208 70911043 70910244	4	BEARING, pedal shaft CAPSCREW, 1/2"NF x 1-3/8" LOCKWASHER, 1/2" NUT, 1/2"NF WASHER, plain, SAE std., 1/2"
8	70650010 70035073 70035278 70904208 70911043	1 4 4 4 4	BRACKET, pedal shaft, left CAPSCREW, 1/2"NF x 1-3/4" (Tractors prior to #13246) CAPSCREW, 1/2"NF x 2-3/4" (Tractors #13246 and up) LOCKWASHER, 1/2" NUT, 1/2"NF
9	70650057 70035278 70904208 70911043	2 2 2 2	LEVER ASSEMBLY, pedal shaft (Includes item 10) CAPSCREW, 1/2"NF x 2-3/4" LOCKWASHER, 1/2" NUT, 1/2"NF
10	70049988	2	BUSHING, shaft lever
11	70650022	1	SHAFT, right pedal
12	70631883	5	KEY, pedal shafts
13	70650002 70035073 70035278 70904208 70911043	1 2 2 2 2	CHANNEL, pedal shaft, right CAPSCREW, 1/2"NF x 1-3/4"(Tractors prior to #13246) CAPSCREW, 1/2"NF x 2-3/4"(Tractors #13246 and up) LOCKWASHER, 1/2" NUT, 1/2"NF
14	70650045 70913830	2	ROD, brake NUT, jam, 1/2"NF
15	70918003	2	YOKE, brake rod
16	70049993 70900806	4 4	PIN, brake rod PIN, cotter, 1/8" x 1"
17	70631747	1	STRIP, right pedal retracting spring
18	70624766	2	SPRING, pedal retracting

(Continued)

## B R A K E C O N T R O L (Contineud)

ITEM	PART NO.	QTY.	DESCRIPTION
19	70650027 70614478 70904208 70911043	1 1 1 1	BRACKET, right pedal retracting spring CAPSCREW, 1/2"NF x 1-3/8" LOCKWASHER, 1/2" NUT, 1/2"NF
20	70650059 70035278 70904208 70911043	1 1 1 1	LEVER ASSEMBLY, parking brake (Includes item 21) CAPSCREW, 1/2"NF x 2-3/4" LOCKWASHER, 1/2" NUT, 1/2"NF
21	70049988	1	BUSHING, parking brake lever
22	70650039	1	PLATE, left pedal retracting spring
23	70650046	1	BAR, parking brake
24	70049993 70900806	1 1	PIN, parking brake bar PIN, cotter, 1/8" x 1"
25	70650053 70035073 70035067 70904208 70911043	1 3 1 4 4	BRACKET, parking brake CAPSCREW, 1/2"NF x 1-3/4" CAPSCREW, 1/2"NF x 2" LOCKWASHER, 1/2" NUT, 1/2"NF
26	70650037	1	ANGLE, parking brake spring
27	70043881	1	SPRING, parking brake
28	70650038	1	LOCK, parking brake
29	70033074 70900806	1 1	PIN, parking brake lock PIN, cotter, 1/8" x 1"
30	70068320 70911025	1 1	CAPSCREW, parking brake lock NUT, 5/16"NC

MEMO



T-41863

B R A K E S (First type)

## B R A K E S

USAGE: Tractors prior to serial No. 12201

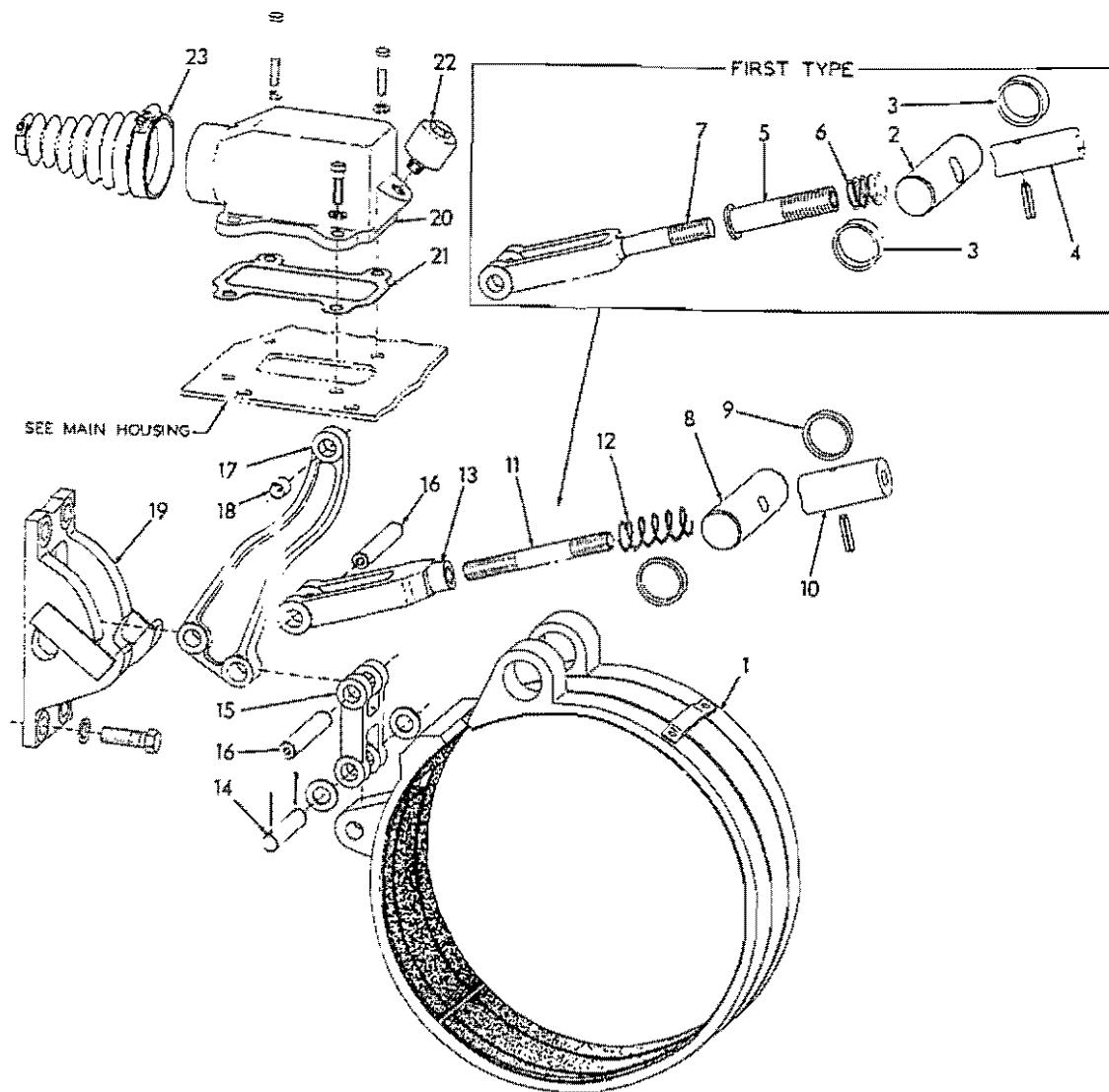
ITEM	PART NO.	QTY.	DESCRIPTION
1	70631298	2	BAND ASSEMBLY, front section (Includes bonded lining)
2	70631562	2	BAND ASSEMBLY, bottom section (Includes bonded lining)
3	70631561	2	BAND ASSEMBLY, rear section (Includes bonded lining)
4	70624735 70912476 70900806	2 4 4	PIN, band hinge WASHER, plain, 17/32" x 1" x .077" PIN, cotter, 1/8" x 1"
5	70624319	2	SCREW, band adjusting
6	70624359	2	PIN, adjusting screw, upper
7	70098292	2	SPRING, band adjusting screw
8	70624318	2	NUT, band adjusting screw
9	70624720	2	PIN, adjusting screw, lower
10	70631039 70921330 70920335 70910883	2 2 2 2	DRIVE ASSEMBLY, universal, band adjustment (Serviced only as a unit) PIN, spring, 7/32" x 1-1/8" (lower) PIN, spring, 5/32" x 1-1/8" (upper) WASHER, plain, 29/32" x 1-1/2" x .107"
11	70623144	2	GASKET, brake adjustment shaft sleeve
12	70653773	2	PLUG, brake adjustment hole
13	70624734 70900808	2 4	PIN, front band PIN, cotter, 1/8" x 1-1/2"
14	70624395	2	YOKE, brake band, upper
15	70624767	4	PIN, band yoke
16	70643546	2	YOKE, brake band, lower
17	70634081 70035018 70904208	2 12 12	BRACKET ASSEMBLY, band lever (Includes item 19) CAPSCREW, 1/2"NF x 1-1/2" LOCKWASHER, 1/2"
19	70624485	2	PIN, dowel, band lever bracket
20	70631331	2	LEVER ASSEMBLY, band operating (Includes item 21)
21	70052669	2	BUSHING, band operating lever
22	70052671 70900806	2 2	PIN, connecting rod, rear PIN, cotter, 1/8" x 1"
23	70624357	2	ROD, connecting
24	70638504 70904002	2 2	PIN, connecting rod, front PIN, cotter, 1/8" x 2"
25	70637730	4	WASHER, plain

(Continued)

## BRAKES (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
26	70638869	2	EYE, connecting
	70911049	2	NUT, jam, 5/8"NF
27	{ 70645861	1	VALVE ASSEMBLY, left brake }
	70645862	1	VALVE ASSEMBLY, right brake } See page 252 for parts
28	70908944	2	PLUG, pipe, hex-socket, 1/2"NPT
29	70035018	8	CAPSCREW, 1/2"NF x 1-1/2"
	70035067	4	CAPSCREW, 1/2"NF x 2"
	70904208	12	LOCKWASHER, 1/2"
30	70923575	2	O-RING, valve discharge port
31	70627459	2	BOOT, connecting
	70921914	2	CLAMP, hose, 2-5/16" to 3-1/4" diam. (rear)
	70921913	2	CLAMP, hose, 1-13/16" to 2-3/4" diam. (front)
32	70624341	2	COVER, band linkage
33	70070467	4	CAPSCREW, 1/2"NF x 1"
34	70035067	4	CAPSCREW, 1/2"NF x 2"
	70904208	8	LOCKWASHER, 1/2"
35	70622207	2	BREATHER, clutch compartment
36	70627395	2	GASKET, band linkage cover

M E M O



**BRAKES**

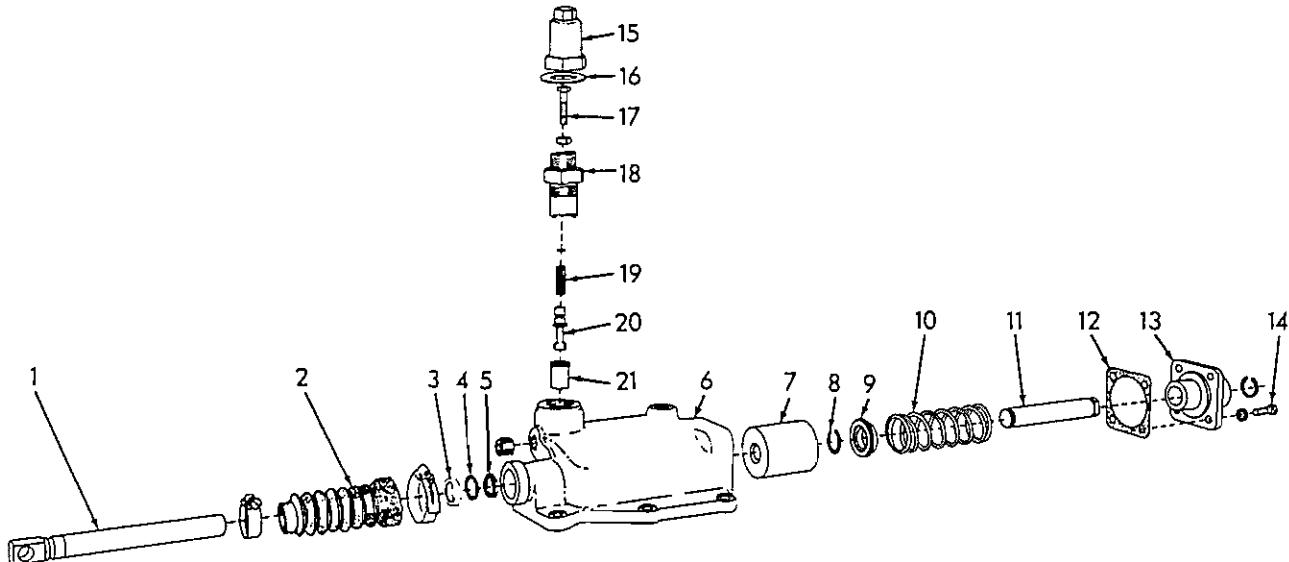
T-74886

(Revised November 1969)

## BRAKES

\* Tractors prior to serial No. 14072  
\*\* Tractors serial No. 14072 and up

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	70650328	2	2	BAND, brake
2	-----	2	-	PIN, brake band (Order items 8 thru 13)
3	70650253	4	-	SPACER, brake band pin
4	70646994 70915797	2	-	BLOCK, band adjusting PIN, spring, 3/16" x 1-1/4"
5	70646912	2	-	SCREW, band adjusting
6	70077309	2	-	SPRING, band adjusting
7	-----	2	-	FORK, brake band (Order item 8 thru 13)
8	70668292	-	2	PIN, brake band
9	70668291	-	4	SPACER, brake band pin
10	70668293 70915751	-	2	BLOCK, band adjusting PIN, spring, 3/16" x 1-1/2".
11	70668290	-	2	ROD, band adjusting
12	70651245	-	2	SPRING, band adjusting
13	70668295	-	2	FORK, brake band
14	70650254 70900806 70911100	2	2	PIN, brake band yoke PIN, cotter, 1/8" x 1" WASHER, plain, SAE std., 5/8"
15	70650269	2	2	YOKES, brake band
16	{ 70648138 70668329	4	-	PIN, brake lever
		-	4	PIN, brake lever
17	70650282	2	2	LEVER ASSY., brake band (Includes item 18)
18	70049988	2	2	BUSHING, brake band lever
19	70650280 70631795 70904209	2	2	BRACKET, brake band lever CAPSCREW, Nylok, 5/8"NF x 1-3/4" LOCKWASHER, 5/8"
20	70648795 70040382 70914847 70056721 70904206	2	2	COVER, band linkage CAPSCREW, 3/8"NC x 1-3/8" CAPSCREW, 3/8"NC x 1-1/2" CAPSCREW, 3/8"NC x 2-1/2" } Left cover only LOCKWASHER, 3/8"
21	70649205	2	2	GASKET, band linkage cover
22	70050748	2	2	BREATHER, brake compartment (left side)
23	70648167 70921914 70921911	2	2	BOOT, brake rod CLAMP, hose, 2-5/16" to 3-1/4" diam. CLAMP, hose, 11/16" to 1-1/4"



**BRAKE VALVE PARTS**

T-32120

USAGE: Tractors prior to serial No. 12201. See page 247

ITEM PART NO. QTY. DESCRIPTION

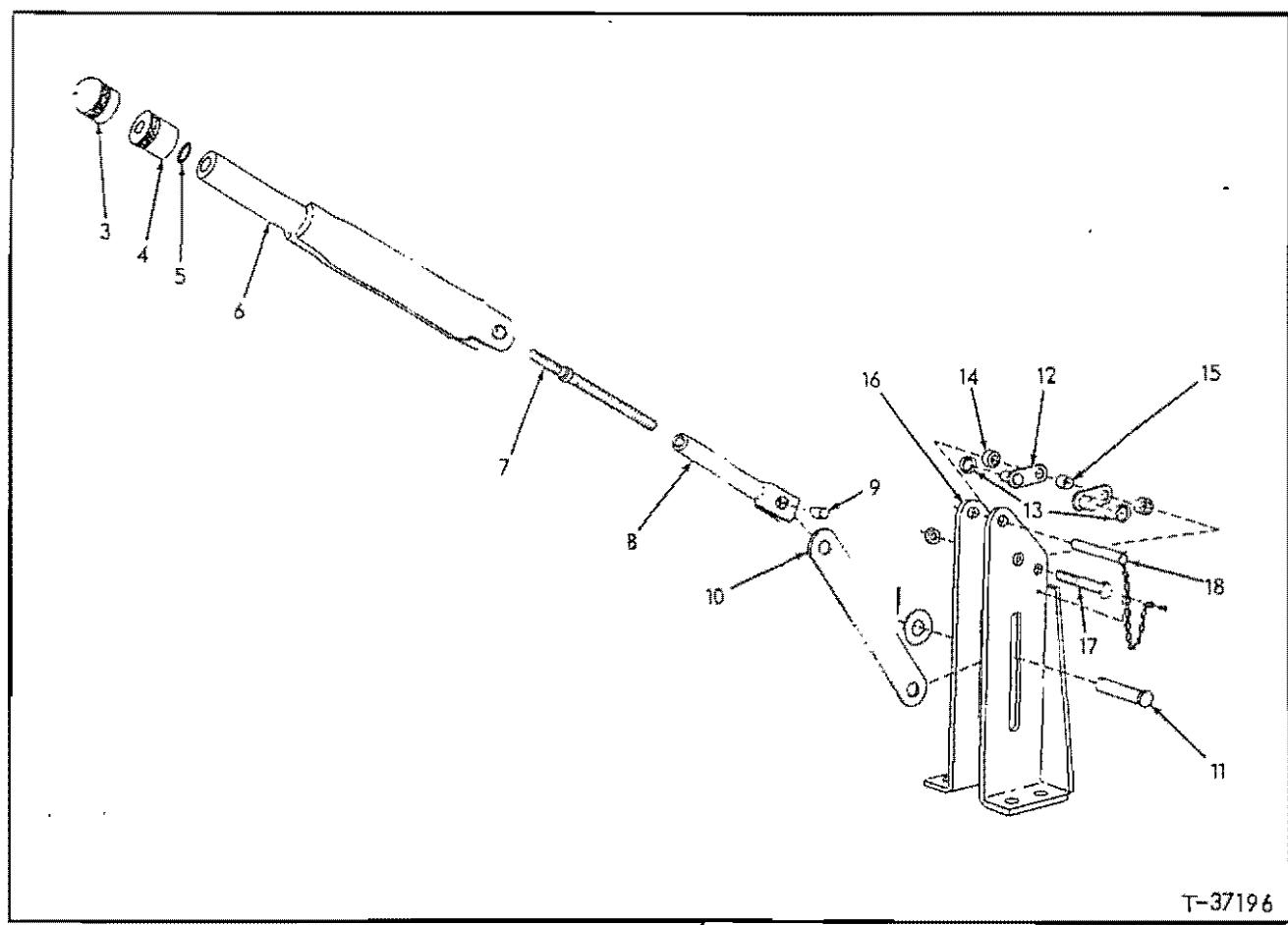
NOTE: Quantities shown are for one (1) Valve Assembly only

1	70624765	1	SPOOL, valve
2	70079421	1	BOOT, valve spool
	70921913	1	CLAMP, hose, 1-13/16" to 2-3/4" diam. (rear)
	70921912	1	CLAMP, hose, 1-1/16" to 2" diam. (front)
3	70052641	1	SEAL, outer
4	70624812	1	WASHER, back-up, inner seal (vellumoid)
5	70624801	1	SEAL, inner
6	{ 70624629	1	HOUSING, left valve
	70624630	1	HOUSING, right valve
	70908944	1	PLUG, pipe, hex-socket, 1/2" NPT
7	70624661	1	PISTON ASSEMBLY (Includes fulcrum pin)
8	70624698	2	RING, snap, actuating rod

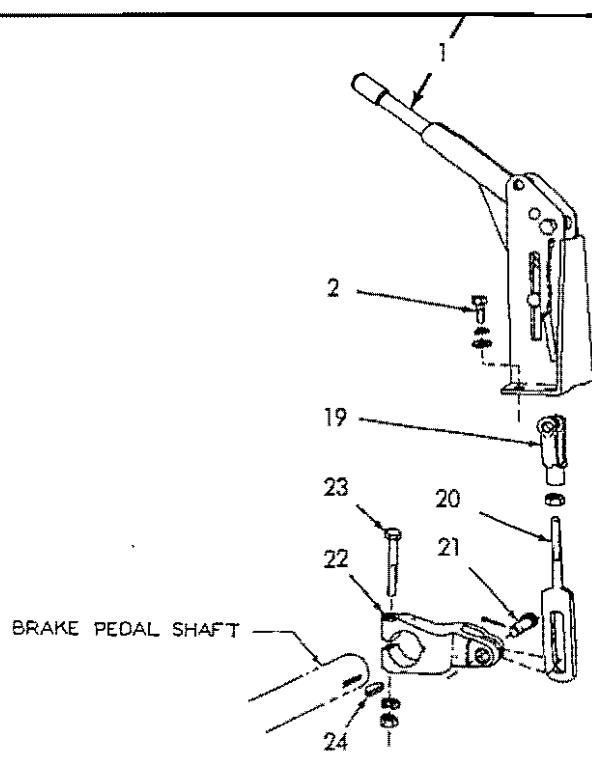
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## BRAKE VALVE PARTS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
9	70624769	1	RETAINER, actuating rod spring
10	70624771	1	SPRING, actuating rod
11	70624699	1	ROD, actuating
12	70624811	1	GASKET, actuating rod retainer
13	70624640	1	RETAINER, actuating rod
14	70012992	4	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	4	LOCKWASHER, 3/8"
15	70638562	1	CAP, pressure adjustment screw
16	70641148	1	GASKET, cap
17	70638561	1	CAPSCREW, pressure adjustment
	70911048	1	NUT, jam, 3/8"NF
18	70638563	1	CAP, pressure relief valve spring
19	70068911	1	SPRING, relief valve
	70911982	1	WASHER, plain
20	70628019	1	VALVE, relief
21	70623211	1	SEAT, relief valve



T-37196



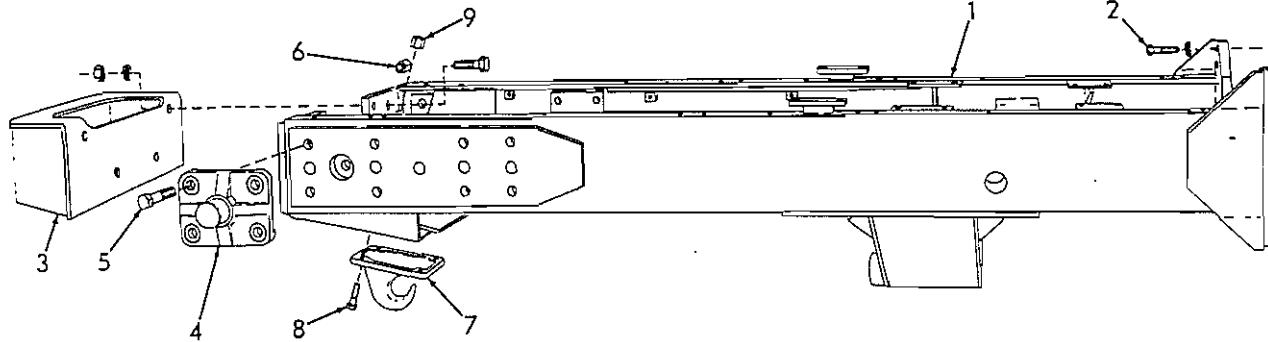
PARKING BRAKE

T-41859

## PARKING BRAKE

USAGE: Tractors prior to serial No. 12201

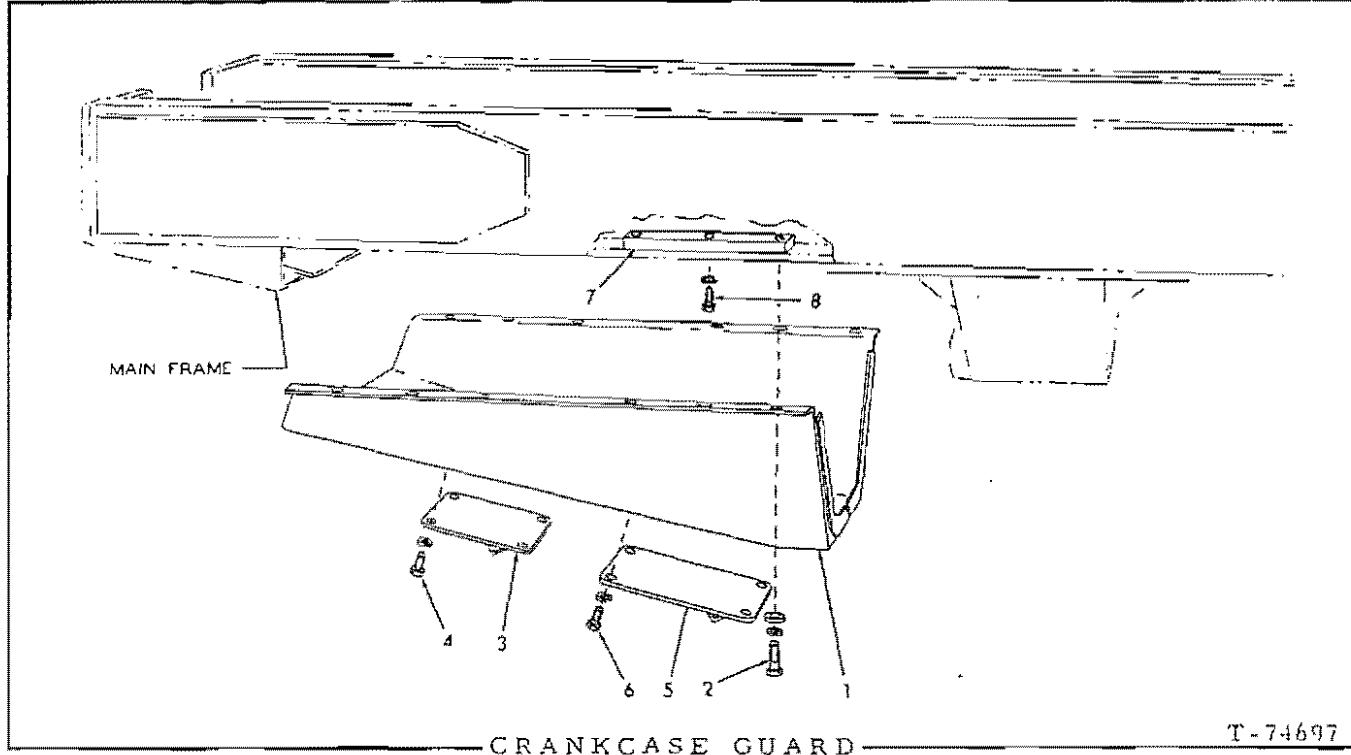
ITEM	PART NO.	QTY.	DESCRIPTION
1	70631981	1	LEVER ASSEMBLY, operating (Consists of items 3 thru 18)
2	70035221	4	CAPSCREW, 1/2"NC x 1"
	70904208	4	LOCKWASHER, 1/2"
	70910244	1	WASHER, plain, SAE std., 1/2"
3	70637801	1	CAP, adjusting stud
4	70637802	1	NUT, cap locking
5	70923548	1	O-RING, adjusting stud knob
6	70637803	1	LEVER, operating
7	70637818	1	STUD, lever adjusting
8	70637804	1	TUBE, adjusting stud
9	70637819	1	PIN, connecting link
10	70637805	1	LINK, connecting
11	70637811	1	PIN, clevis
	70900818	1	WASHER, plain, U.S. std., 1/2"
	70900806	1	PIN, cotter, 1/8" x 1"
12	70637808	2	BRACKET, pivot
13	70637806	2	SPACER, pivot bracket (3/4" O.D.)
14	70637809	2	SPACER, pivot bracket (5/8" O.D.)
15	70637810	1	SPACER, pivot bracket (1/2" O.D.)
16	-----	1	BRACKET, supporting (Not serviced separately)
17	{ 70637817	1	BOLT, pivot bracket (drilled-hd.)(Tractors prior to #10851)
	{ 70099575	1	CAPSCREW, pivot bracket (Tractors #10851 and up)
	70919219	1	NUT, Elastic stop, thin, 3/8"NF
18	70637820	1	PIN, lever locking (Includes chain)
	70913533	1	SCREW, thread-cutting, #4 x 1 1/4"(Tractors prior to #10851)
	70648406	1	PIN, drive (Tractors #10851 and up)
19	70068389	1	YOKE, parking brake rod
20	70633111	1	ROD, connecting
	70913830	1	NUT, jam, 1/2"NF
21	- 70052671	1	PIN, connecting rod
	70900806	1	PIN, cotter, 1/8" x 1"
22	70633056	1	LEVER, parking brake
23	70035278	1	CAPSCREW, 1/2"NF x 2-3/4"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
24	70631883	1	KEY, parking brake lever



MAIN FRAME

T-41921

ITEM	PART NO.	QTY.	DESCRIPTION
1	{ 70648499 70667223	1 1	FRAME (Tractors prior to #14001) FRAME (Effective with Tractor #14001)
2	{ 70070159 70012762 70914727	2 6 8	CAPSCREW, 7/8"NF x 3" CAPSCREW, 7/8"NF x 3-1/4" LOCKWASHER, 7/8"
3	{ 70641167 70085617	1 1	BUMPER, front (Standard) BUMPER, front (60" long)(Optional)
	70918490 70910916 70911047	4 4 4	CAPSCREW, 1"NF x 2-1/2" LOCKWASHER, 1" NUT, 1"NF
4	70085349	2	TRUNNION, radiator guard mounting
5	70031055	8	CAPSCREW, 1"NF x 4"
6	70600236	8	NUT, high, 1"NF
7	70050543	1	HOOK, front pull (Special equipment)
8	70012984	4	CAPSCREW, 3/4"NF x 2-3/4"
9	70012767	4	NUT, high, 3/4"NF



CRANKCASE GUARD

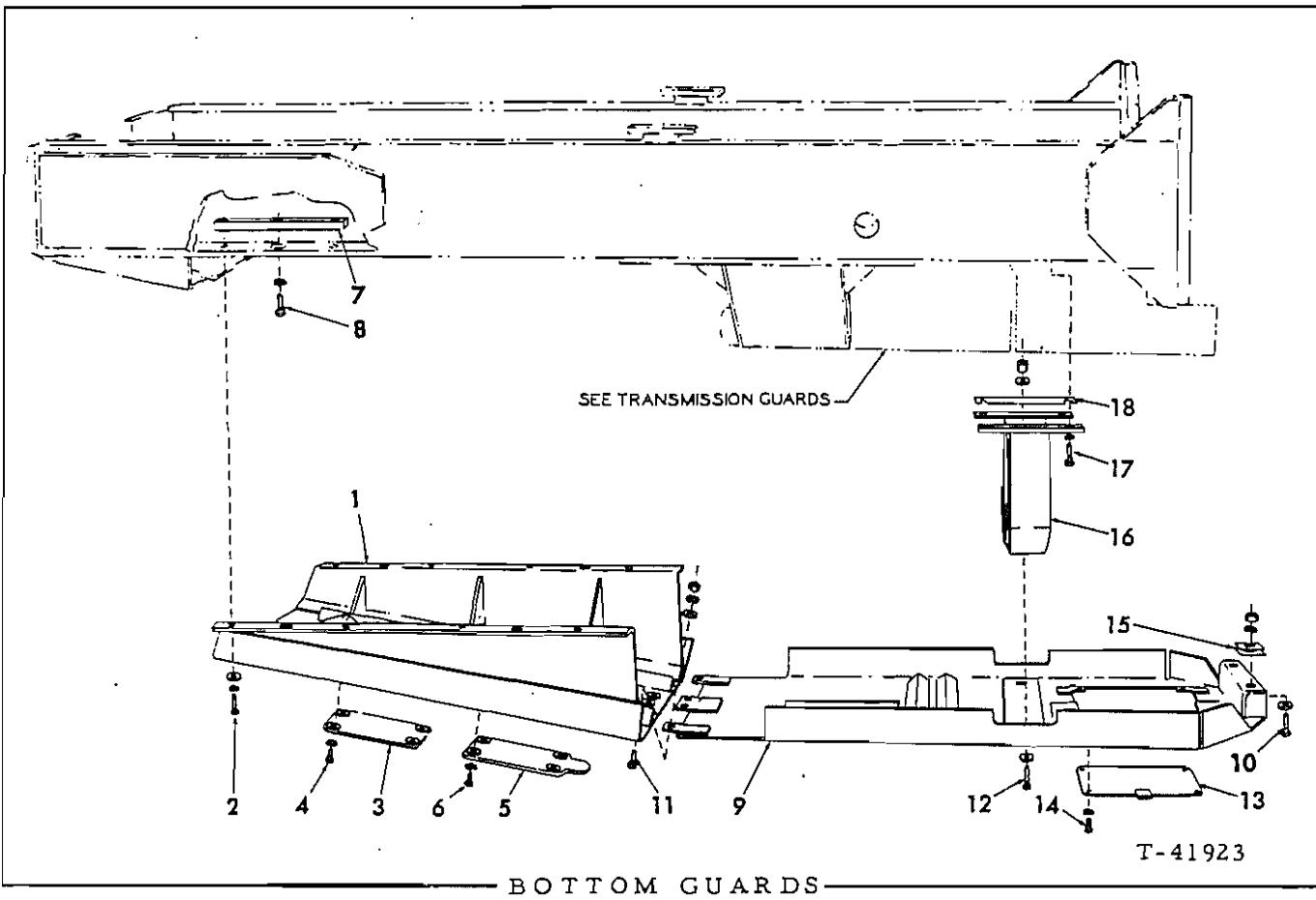
T-74697

USAGE: Special Equipment

\* Used prior to February 1968  
\*\* Effective February 1968

ITEM	PART NO.	QTY.	*	**	DESCRIPTION
1	70646117	1	-		GUARD ASSY. (Includes items 3 thru 6)
	70660962	-	1		GUARD ASSY. (Includes items 3 thru 6)(Tractors prior to #14001)
	70666748	-	1		GUARD ASSY. (Includes items 3 thru 6)(Effective with Tractor #14001)
2	70035073	8	-		CAPSCREW, 1/2"NF x 1-3/4"
	70916313	-	8		CAPSCREW, 1/2"NC x 1-3/4"
	70904208	8	8		LOCKWASHER, 1/2"
	70064531	8	8		WASHER, plain
3	70057777	1	1		COVER crankcase drain hole
4	70070467	4	4		CAPSCREW, 1/2"NF x 1" (Early units)
	70916310	-	4		CAPSCREW, 1/2"NC x 1" (Late units)
	70904208	4	4		LOCKWASHER, 1/2"
5	70646501	1	-		COVER. water drain hole (7/8" thick)
	70623576	-	1		COVER. water drain hole (1/4" thick)
6	70070467	4	4		CAPSCREW, 1/2"NF x 1" (Early units)
	70916310	-	4		CAPSCREW, 1/2"NC x 1" (Late units)
	70904208	4	4		LOCKWASHER, 1/2"
7	70621722	4	-		BLOCK. tapped (1/2"NF)
	70661168	-	4		BLOCK. tapped (1/2"NC)
8	70614478	4	-		CAPSCREW, 1/2"NF x 1-3/8"
	70919230	-	4		CAPSCREW, 1/2"NC x 1-3/8"
	70904208	4	4		LOCKWASHER, 1/2"

(Revised May 1979)

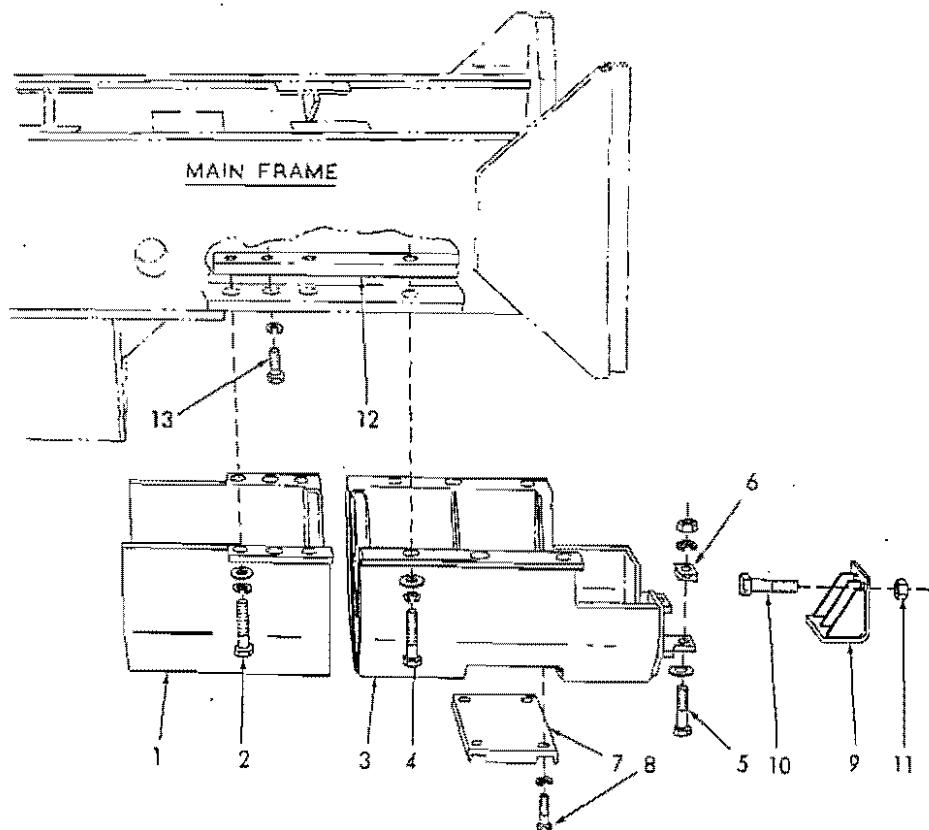


## BOTTOM GUARDS

USAGE: Special equipment. For tractors engaged in logging operations.

### ITEM PART NO. QTY. DESCRIPTION

1	{ 70638695	1	GUARD ASSY., front section (Includes items 3 thru 6)(Tractors prior to #14001)
1	{ 70667279	1	GUARD ASSY., front section (Includes items 3 thru 6)(Effective with Tractor #14001)
2	{ 70915779	8	CAPSCREW, 1/2"NF x 2" (Tractors prior to #14001)
	70916314	8	CAPSCREW, 1/2"NC x 2" (Effective with Tractor #14001)
	70904208	8	LOCKWASHER, 1/2"
	70064531	8	WASHER, plain
3	70092760	1	COVER, water drain hole
4	70916310	4	CAPSCREW, 1/2"NC x 1"
	70904208	4	LOCKWASHER, 1/2"
5	70621272	1	COVER, crankcase oil drain hole
6	70916310	4	CAPSCREW, 1/2"NC x 1"
	70904208	4	LOCKWASHER, 1/2"
7	70661668	4	BLOCK, tapped
8	70919230	4	CAPSCREW, 1/2"NC x 1-3/8"
	70904208	4	LOCKWASHER, 1/2"
9	70639196	.1	GUARD ASSEMBLY, rear section (Includes items 13 and 14)
10	70915970	2	CAPSCREW, 5/8"NC x 3"
	70064810	2	WASHER, plain
	70904209	2	LOCKWASHER, 5/8"
	70911029	2	NUT, 5/8"NF
11	70912313	4	CAPSCREW, 1/2"NC x 1-3/4"
	70064531	4	WASHER, plain
	70904208	4	LOCKWASHER, 1/2"
	70911028	4	NUT, 1/2"NC
12	70916421	2	CAPSCREW, 1/2"NC x 2-1/2"
	70064531	4	WASHER, plain
	70910959	2	NUT, high, 1/2"NC
13	70064219	1	COVER, transmission oil drain
14	70916310	4	CAPSCREW, 1/2"NC x 1"
	70904208	4	LOCKWASHER, 1/2"
15	{ 70638480	4	SHIM, rear guard (1/16" thick. Use as required)
	{ 70638479	4	SHIM, rear guard (1/8" thick. Use as required)
16	70639194	1	CHANNEL, supporting, rear guard
17	{ 70916423	4	CAPSCREW, 1/2"NF x 3" (Tractors prior to #14001)
	70915969	4	CAPSCREW 1/2"NC x 3" (Effective with Tractor #14001)
	70904208	4	LOCKWASHER, 1/2"
18	{ 70639188	4	SHIM, channel spacing (1/16" thick. Use as required)
	{ 70639187	4	SHIM, channel spacing (1/8" thick. Use as required)



TRANSMISSION GUARDS

T-72331

USAGE: Special equipment

\* Used prior to February 1968  
\*\* Effective February 1968

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION	
2	70638442	1	1	GUARD, transmission, front section	Not used on units with BOTTOM GUARDS
	70916420	4	-	CAPSCREW, 1/2"NF x 2-1/4"	
	70916315	-	4	CAPSCREW, 1/2"NC x 2-1/4"	
	70904208	4	4	LOCKWASHER, 1/2"	
	70064531	4	4	WASHER, plain	
4	70646490	1	1	GUARD, transmission, rear section	2 less used on units with BOTTOM GUARDS
	70916420	4	-	CAPSCREW, 1/2"NF x 2-1/4"	
	70916315	-	4	CAPSCREW, 1/2"NC x 2-1/4"	
	70904208	4	4	LOCKWASHER, 1/2"	
	70064531	4	4	WASHER, plain	
5	70035248	2	-	CAPSCREW, 5/8"NF x 2-1/4"	Not used on units with BOTTOM GUARDS
	70915963	-	2	CAPSCREW, 5/8"NC x 2-1/4"	
	70064810	2	2	WASHER, plain	
	70904209	2	2	LOCKWASHER, 5/8"	
	70911044	2	-	NUT, 5/8"NF	
	70911029	-	2	NUT, 5/8"NC	

(Continued)

(Revised May 1979)

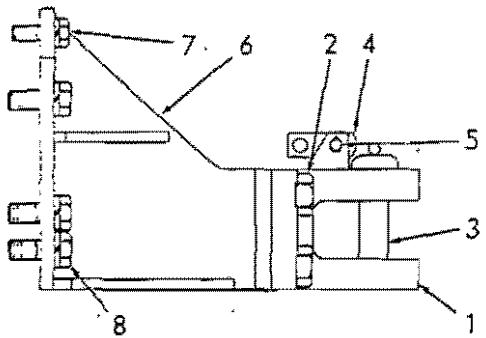
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## TRANSMISSION GUARDS (Continued)

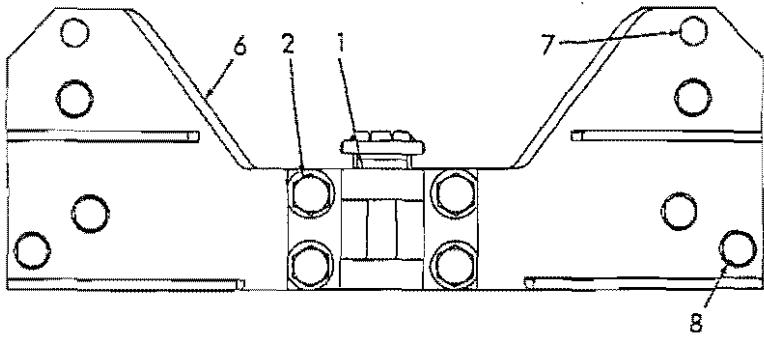
ITEM	PART NO.	QTY.	*	**	DESCRIPTION
6	{ 70638480 70638479	4	4		SHIM, rear transmission guard (1/16" thick. Use as required)
		4	4		SHIM, rear transmission guard (1/8" thick. Use as required)
7	70637971	1	1		COVER, rear transmission guard
8	70915987	4	4		CAPSCREW, 1/2"NF x 1-1/2"
	70904208	4	4		LOCKWASHER, 1/2"
9	70644483	1	1		COVER, rear (Not used on units equipped with special SWINGING DRAWBAR)
10	{ 70916332 70916288	4	-		CAPSCREW, 3/4"NF x 2-1/2"
		-	4		CAPSCREW, 3/4"NC x 2-1/2"
11	{ 70012767 70911030	4	-		NUT, high, 3/4"NF
		-	4		NUT, 3/4"NC
12	{ 70646591 70661169	2	-		BAR, tapped (1/2"NF)
		-	2		BAR, tapped (1/2"NC)
13	{ 70919190 70919230 70904208	4	-		CAPSCREW, 1/2"NF x 1-3/8"
		-	4		CAPSCREW, 1/2"NC x 1-3/8"
		4	4		LOCKWASHER, 1/2"

(Revised May 1979)

M E M O



SIDE VIEW



REAR VIEW

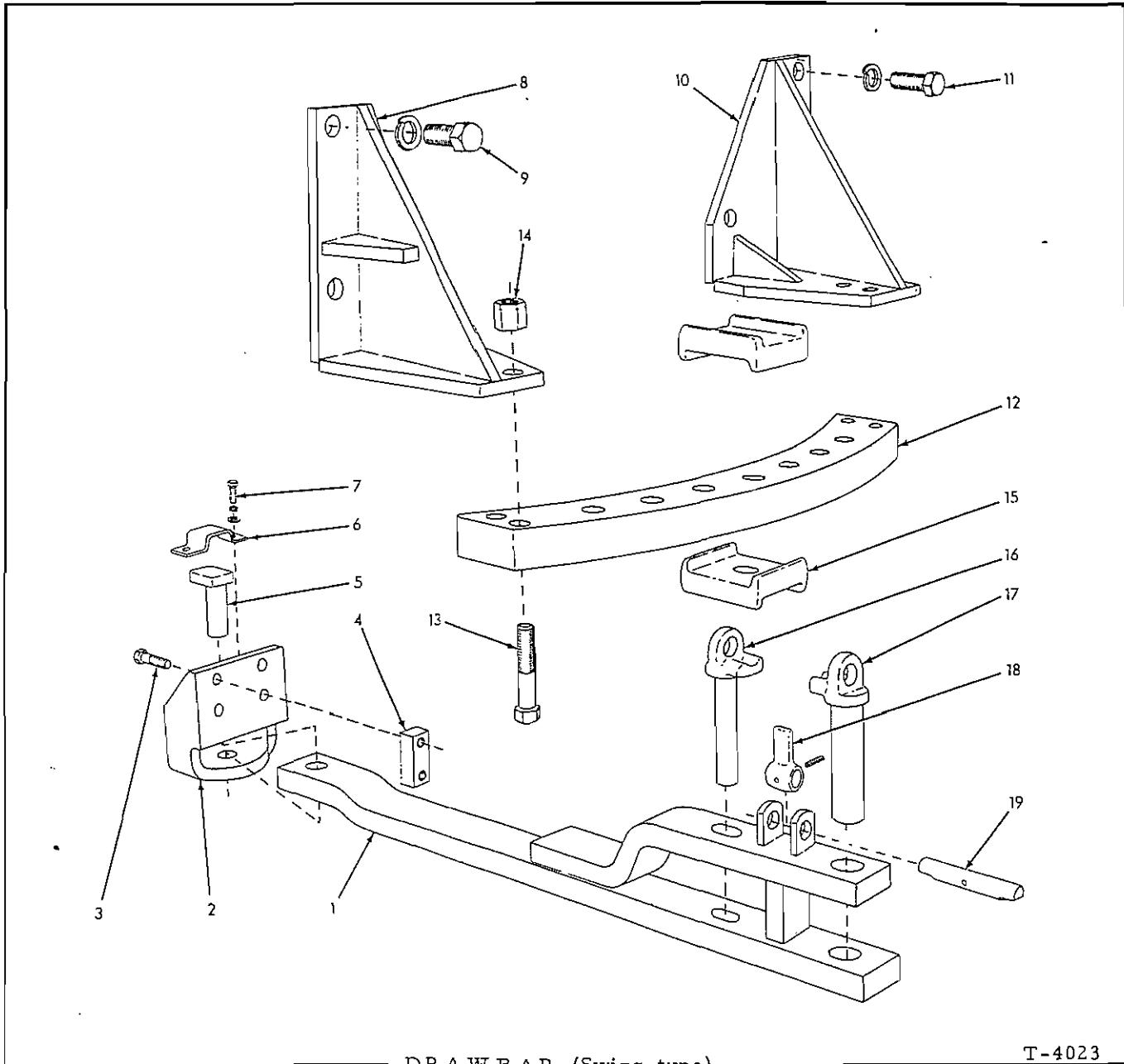
**DRAW BAR (Fixed-type)**

T-41926

USAGE: Standard equipment.

**ITEM PART NO. QTY. DESCRIPTION**

1	70633729	1	BRACKET, coupling
2	70633733	4	CAPSCREW, 1-1/2"NF x 5-1/2"
	70913077	4	LOCKWASHER, 1-1/2"
	70916555	4	NUT, 1-1/2"NF
3	70633730	1	PIN, drawbar
4	70629697	1	BLOCK, retaining, drawbar pin
5	70629698	1	PIN, retaining block
	70900806	2	PIN, cotter, 1/8" x 1"
6	70633863	1	BRACKET, supporting
7	70070272	2	CAPSCREW, 1"NF x 3"
	70910916	2	LOCKWASHER, 1"
8	70066794	6	CAPSCREW, 1-1/4"NF x 3-1/4"
	70904210	6	LOCKWASHER, 1-1/4"



DRAWBAR (Swing-type)

T-4023

USAGE: Optional equipment.

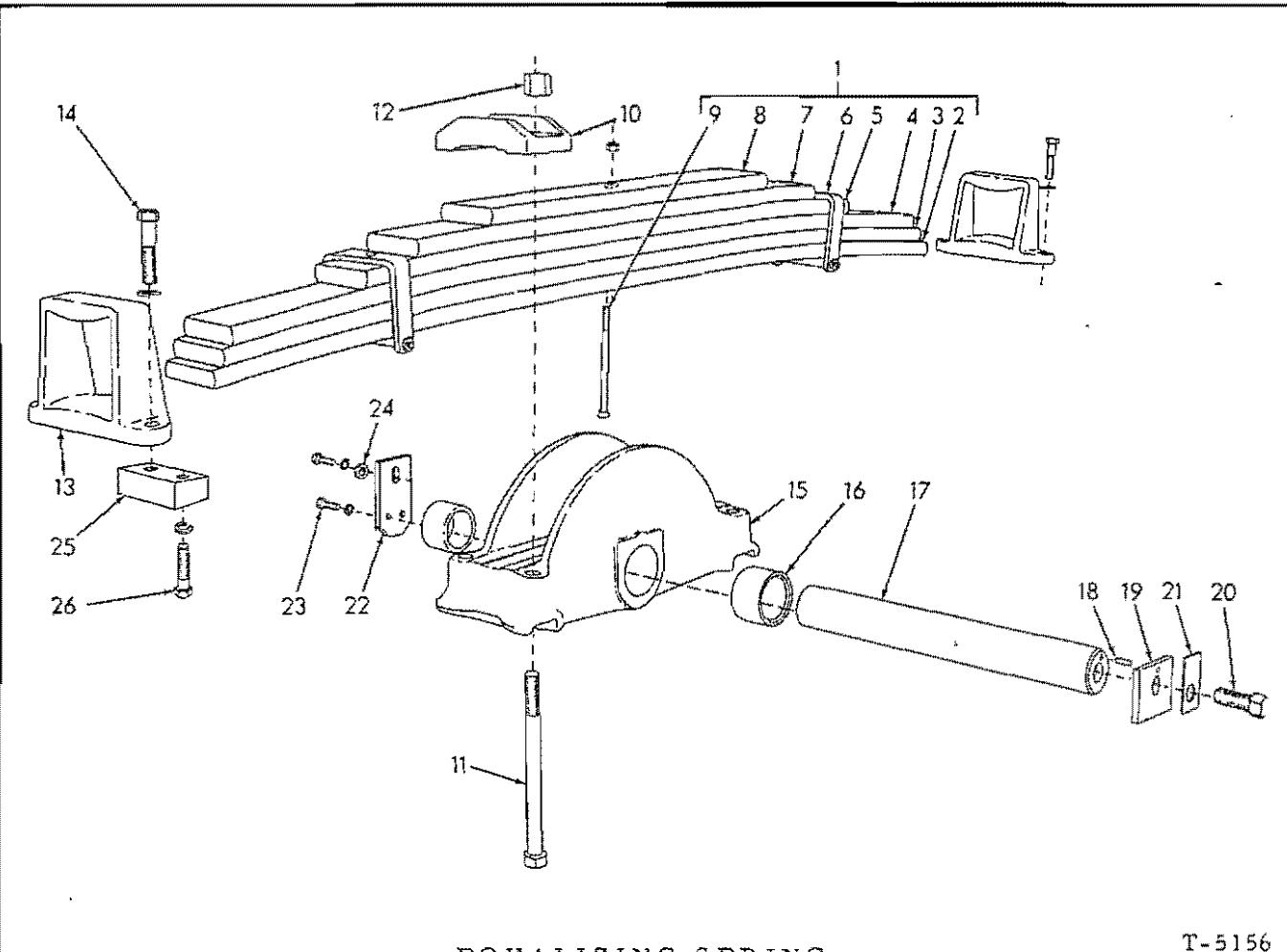
ITEM PART NO. QTY. DESCRIPTION

1	70056711	1	DRAWBAR
2	70647923	1	BRACKET, hinge pin
3	70012984	4	CAPSCREW, 3/4"NF x 2-3/4"
4	{ 70012767 70647922	4 2	NUT, high, 3/4"NF (Used prior to tractor #11122) BLOCK, tapped (Effective with tractor #11122)
5	70080667	1	PIN, hinge
6	70050447	1	PLATE, hinge pin retaining
7	70070469	2	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	2	LOCKWASHER, 1/2"
	70910244	2	WASHER, plain, SAE std., 1/2"

(Continued)

## DRAWBAR (Swing-type)(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
8	70064413	1	BRACKET, supporting plate, left
9	70073468	3	CAPSCREW, 1"NF x 2-1/2"
	70910916	3	LOCKWASHER, 1"
10	70064414	1	BRACKET, supporting plate, right
11	70073468	3	CAPSCREW, 1"NF x 2-1/2"
	70910916	3	LOCKWASHER, 1"
12	70058759	1	PLATE, supporting
13	70036546	4	CAPSCREW, 1"NF x 4-1/4"
14	70600236	4	NUT, high, 1"NF
15	70056706	2	SHOE, wear
16	70056702	1	PIN, drawbar locking
17	70059007	1	PIN, drawbar coupling
18	70051352	1	ARM, locking, drawbar pins
	70915504	1	PIN, roll, 5/16" x 1-3/4"
19	70078867	1	SHAFT, locking arm



T-5156

**EQUALIZING SPRING**

USAGE: Tractors prior to serial No. 12201

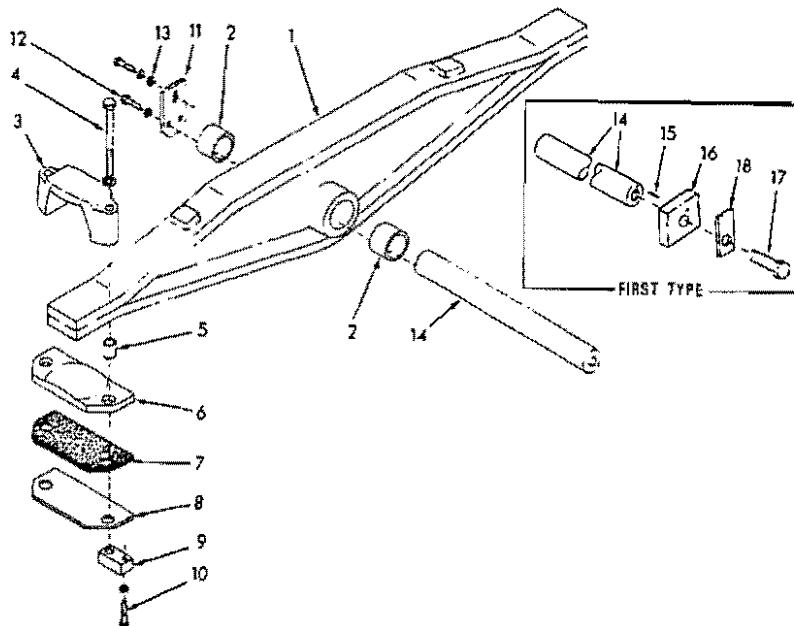
\* Tractors prior to serial No. 11579  
 \*\* Tractors serial No. 11579 thru 12200

ITEM	PART NO.	Q.T.Y.	*	**	DESCRIPTION
1	70094171	1	1		SPRING ASSEMBLY (Consists of items 2 thru 9)
2	70056428	1	1		LEAF, main (66-1/2" long)
3	70096249	1	1		LEAF, second (65-1/2" long)
4	70096250	1	1		LEAF, third (64-1/2" long)
5	70056430	1	1		LEAF ASSEMBLY, fourth (46-1/8" long. Includes item 6)
6	70088873	2	2		CLIP KIT, spring rebound (Consists of 1 clip, 1 rivet, 1 bolt, 1 nut and 1 spacer)
7	70056431	1	1		LEAF, fifth (38-1/4" long)
8	70056432	1	1		LEAF, sixth (27" long)
9	70056427	1	1		BOLT, center (1/2"NF x 6-5/8" long. Includes NUT indented below)
	70911043	1	1		NUT, 1/2"NF

(Continued)

EQUALIZING SPRING (Continued)

ITEM	PART NO.	QTY.	*	**	DESCRIPTION
10	70056421	2	-		SADDLE, spring capscrew
	70655005	-	2		SADDLE, spring capscrew
11	70065873	4	-		CAPSCREW, spring saddle (1"NF x 11")
	70065878	-	4		CAPSCREW, spring saddle (1-1/4"NF x 12 - 1/4")
12	70600236	4	-		NUT, high, 1"NF
	70083390	-	4		NUT, high, 1-1/4"NF
	70915709	-	12		WASHER, spacing
13	70095211	2	2		SEAT, spring
14	70070285	4	4		CAPSCREW, 3/4"NF x 3"
	70904369	4	4		LOCKWASHER, 3/4"
15	70065872	1	-		SADDLE ASSEMBLY (Includes item 16)
	70655004	-	1		SADDLE ASSEMBLY (Includes item 16)
16	70056413	2	2		BUSHING, saddle
17	70659421	1	1		PIN, saddle
18	70056418	1	1		PIN, dowel, cover plate
19	70643942	1	1		COVER, pivot pin
20	70049662	1	1		CAPSCREW, 7/8"NF x 2"
21	70643950	1	1		LOCK, capscrew
22	70056441	1	1		PLATE, pivot pin retaining
23	70035018	3	3		CAPSCREW, 1/2"NF x 1-1/2"
	70904208	3	3		LOCKWASHER, 1/2"
24	70064531	1	1		WASHER, plain
25	70630752	4	4		BLOCK, tapped
26	70035068	4	4		CAPSCREW, 1/2"NF x 2-1/4"
	70904208	4	4		LOCKWASHER, 1/2"



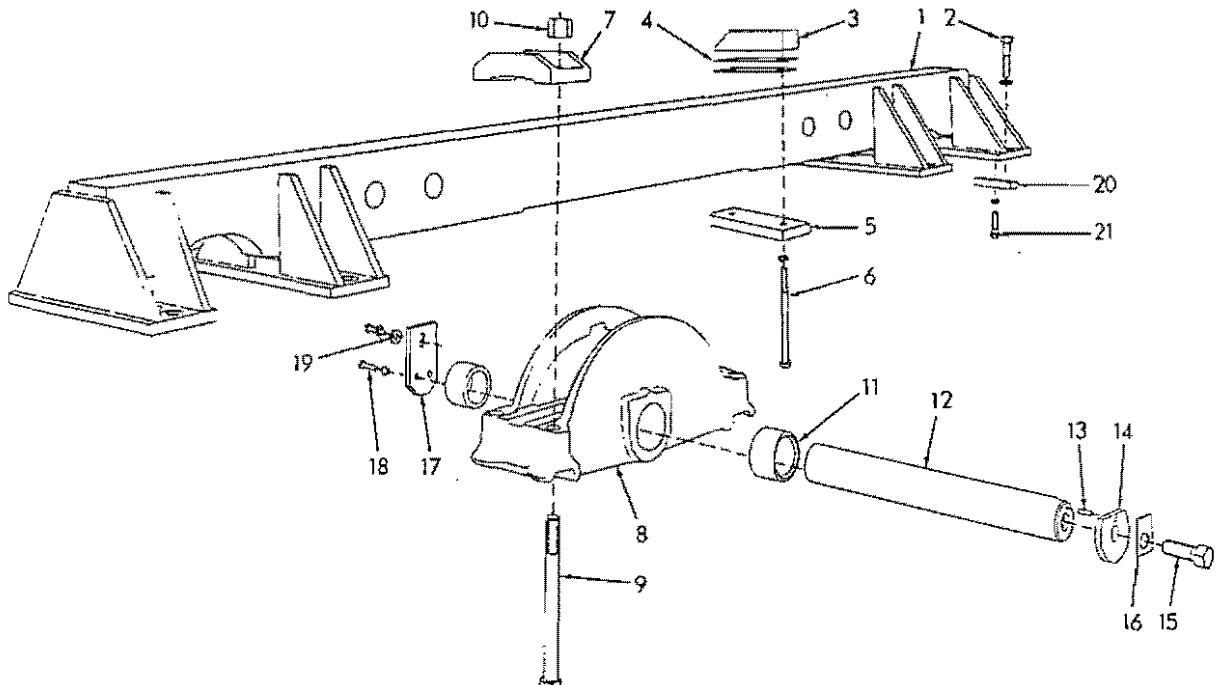
EQUALIZING BEAM

T-72332

USAGE: Tractors serial No. 12201 and up. Standard equipment

ITEM PART NO. QTY. DESCRIPTION

1	70643367	1	BEAM ASSEMBLY (Includes item 2)
2	70056413	2	BUSHING, beam pivot
3	70650513	2	BRACKET, shock pad
4	70650546 70904369	4	CAPSCREW, 3/4"NF x 7-3/4" LOCKWASHER, 3/4"
5	70650547	4	BUSHING, bracket spacing
6	70650536	2	PAD, beam seating
7	70650538	2	PAD, shock (rubber)
8	70650537	2	PLATE, shock pad (steel)
9	70630752	4	BLOCK, tapped
10	70035068 70916315 70904208	4 4 4	CAPSCREW, 1/2"NF x 2-1/4" (Early units) CAPSCREW, 1/2"NC x 2-1/4" (Late units) LOCKWASHER, 1/2"
11	70056441	1	PLATE, pivot pin retaining
12	70035018 70904208	3 3	CAPSCREW, 1/2"NF x 1-1/2" LOCKWASHER, 1/2"
13	70964531	1	WASHER, plain
14	{ 70659421 70667209	1 1	PIN, beam pivot (Tractors prior to #14001) PIN beam pivot (Effective with Tractor #14001)
15	70056418	1	PIN, dowel, cover plate
16	70643942	1	COVER, pivot pin
17	70049662	1	CAPSCREW, 7/8"NF x 2"
18	70643950	1	LOCK, capscrew
			Tractors prior to #14001



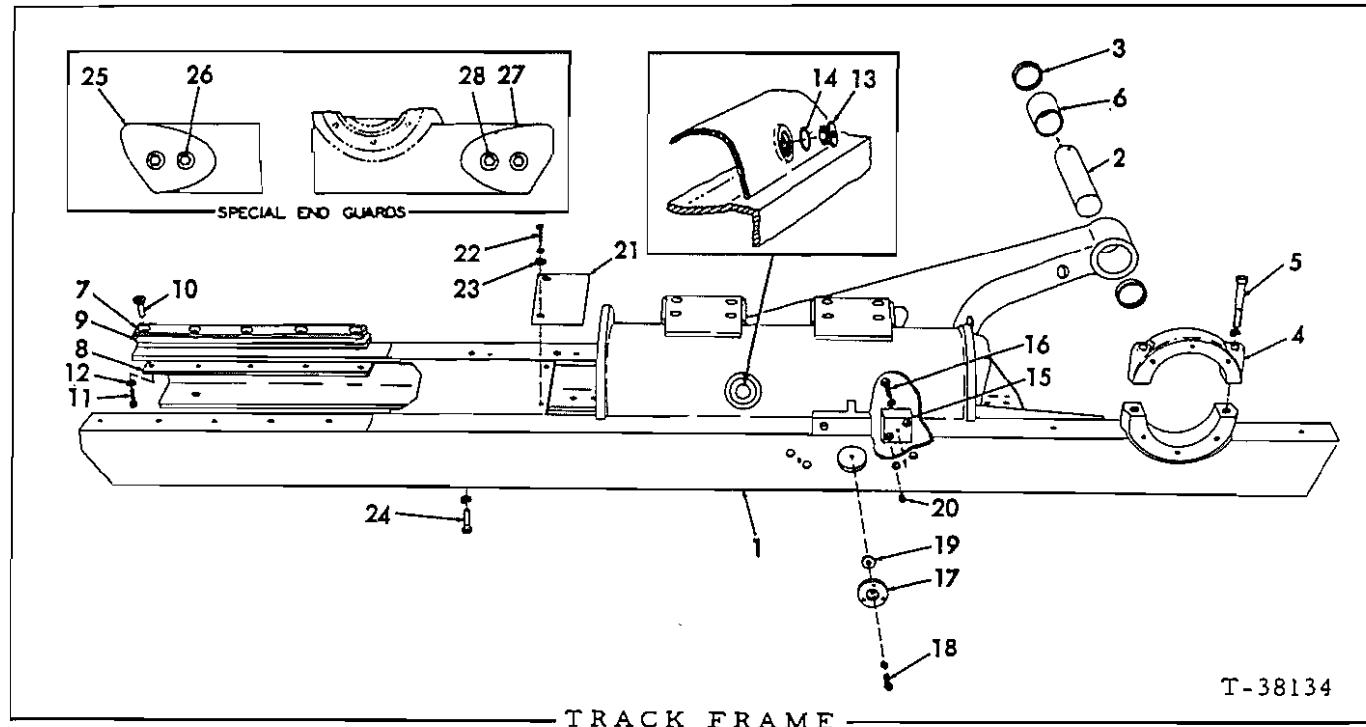
RIGID BEAM

T-5157

USAGE: Special equipment. Ties both track frames together rigidly, replacing standard equalizing beam.

ITEM PART NO. QTY. DESCRIPTION

1	70073806	1	BEAM, rigid
2	70916335	16	CAPSCREW, 3/4"NF x 3-1/4"
	70904369	16	LOCKWASHER, 3/4"
3	70087353	2	BLOCK, spacing
4	{ 70087355	6	SHIM, spacing (1/32" thick. Use as req'd)
	70087356	6	SHIM, spacing (1/16" thick. Use as req'd)
5	70093152	2	BLOCK, clamping
6	70087357	4	CAPSCREW, 1/2"NF x 7"
	70904208	4	LOCKWASHER, 1/2"
7	70056421	2	SADDLE, beam capscrew
8	70659757	1	SADDLE ASSEMBLY (Includes item 11)
9	70070861	4	CAPSCREW, beam saddle (1"NF x 10-1/2")
10	70600236	4	NUT, high, 1"NF
11	70056413	2	BUSHING, saddle
12	70056420	1	PIN, saddle
13	70056418	1	PIN, dowel, cover plate
14	70056417	1	PLATE, pivot pin cover
15	70049662	1	CAPSCREW, 7/8"NF x 2"
16	70037693	1	LOCK, capscrew
17	70056441	1	PLATE, pivot pin retaining
18	70913105	3	CAPSCREW, 1/2"NF x 1-1/2"
19	70064531	1	WASHER, plain
	70904208	3	LOCKWASHER, 1/2"
20	70631666	8	BLOCK, tapped
21	70035073	8	CAPSCREW, 1/2"NF x 1-3/4" (Early units)
	70916313	8	CAPSCREW, 1/2"NC x 1-3/4" (Late units)
	70904208	8	LOCKWASHER, 1/2"



## TRACK FRAME

\* Units with standard 40-link tracks  
 \*\* Units with special 44-link tracks

ITEM	PART NO.	QTY.	#	**	DESCRIPTION	
	70643909	1	-		FRAME ASSY., left (Tractors prior to #14145)	
	70666461	1	-		FRAME ASSY., left (Tractors #14145 and up)	
	70914465	1	-		FITTING, lubricating, 1/8"NPT	
	70648493	-	1		FRAME ASSY., left (Units with equalizing beam)(Used prior to October 1969)	
	70666639	-	1		FRAME ASSY., left (Units with equalizing beam)(Effective October 1969)	
	70914465	-	1		FITTING, lubricating, 1/8"NPT	
	70659747	-	1		FRAME ASSY., left (Units with rigid beam (Used prior to October 1969))	
	70666681	-	1		FRAME ASSY., left (Units with rigid beam)(Effective October 1969)	
	70914465	-	1		FITTING, lubricating, 1/8"NPT	
1	70643910	1	-		FRAME ASSY., right (Tractors prior to #14145)	
	70666462	1	-		FRAME ASSY., right (Tractors #14145 and up)	
	70914465	1	-		FITTING, lubricating, 1/8"NPT	
	70648494	-	1		FRAME ASSY., right (Units with equalizing beam)(Used prior to October 1969)	
	70666640	-	1		FRAME ASSY., right (Units with equalizing beam)(Effective October 1969)	
	70914465	-	1		FITTING, lubricating, 1/8"NPT	
	70659748	-	1		FRAME ASSY., right (Units with rigid beam)(Used prior to October 1969)	
	70666682	-	1		FRAME ASSY., right (Units with rigid beam)(Effective October 1969)	
	70914465	-	1		FITTING, lubricating, 1/8"NPT	
	NOTE: Each Frame Assembly listed above includes items 4 thru 6					
2	70056260	2	2		SHAFT, pivot (Tractors prior to #14145)	
	70907070	2	2		PLUG, pipe ctsk-hd., 1/4"NPT	
	70666464	2	2		SHAFT, pivot (Tractors serial #14145 and up)	
3	70629733	4	4		SEAL, pivot shaft (1/2" wide)(Tractors prior to #14145)	
	70666465	4	4		SEAL, pivot shaft (1/4" wide)(Tractor serial #14145 and up)	
4	70056895	2	2		CAP, sprocket shaft bearing	
5	70071014	4	4		CAPSCREW, 3/4"NF x 4-1/2"	
	70904369	4	4		LOCKWASHER, 3/4"	
6	70056261	2	2		BUSHING, pivot shaft (4" long)(Tractors prior to #14145)	
	70666459	2	2		BUSHING, pivot shaft (4-1/4" long)(Tractors serial #14145 and up)	

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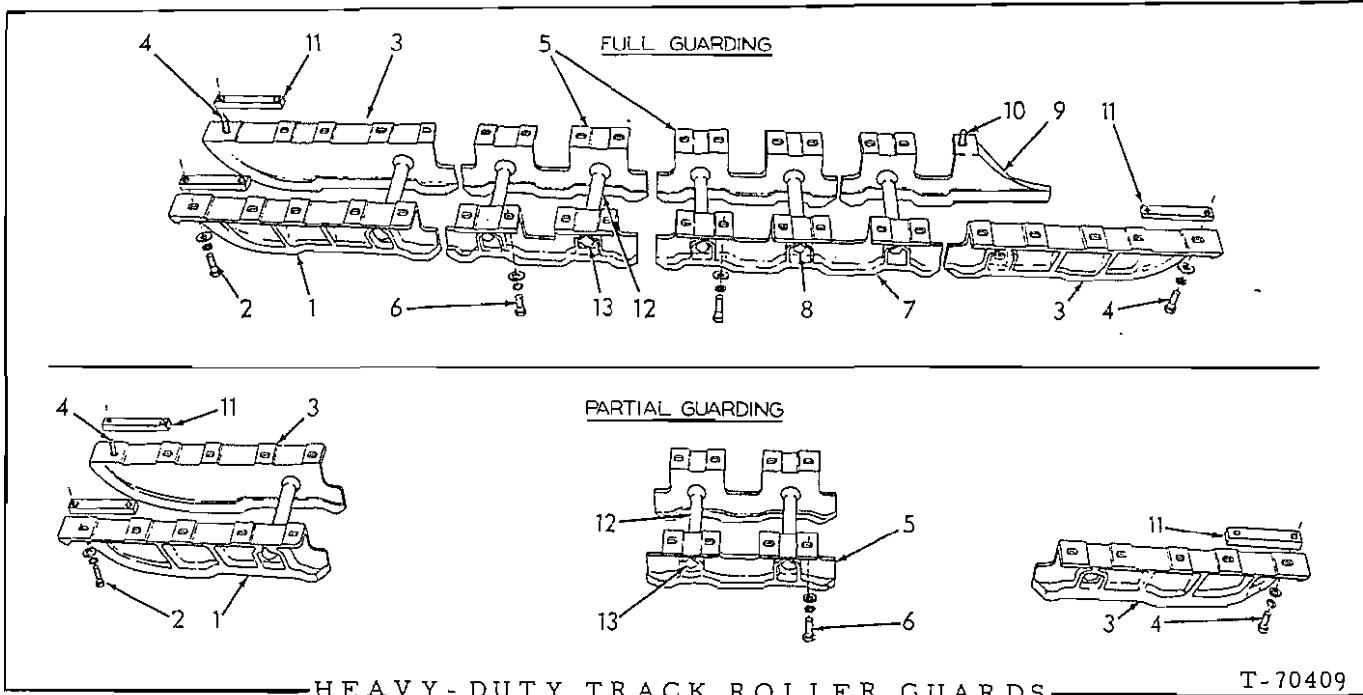
(Revised May 1979)

## TRACK FRAME (Continued)

ITEM	PART NO.	QTY.	*	**	DESCRIPTION
7	70642979	4	4		BAR, slide, track idler, upper (Tractors prior to #13131)
	70658238	4	4		BAR, slide, track idler, upper (Tractors #13131 and up)
8	70643837	4	4		BAR, slide, track idler, lower (Tractors prior to #13131)
	70658237	4	4		BAR, slide, track idler, lower (Tractors #13131 and up)
9	70637735	8	8		SHIM, slide bar (2" wide)(Tractors prior to #13131)
	70658236	12	12		SHIM, slide bar (2-1/4" wide)(Tractor #13131 and up)
10	70631687	20	20		DOWEL, tapped, slide bar retaining
11	70646164	20	20		CAPSCREW, Nylock, 3/8"NF x 7/8"
12	70647080	20	20		WASHER, plain
13	70035250	2	2		PLUG, release spring chamber filler
14	70667252	2	2		GASKET, filler plug
15	70056898	4	-		BLOCK, tapped (For mounting dozer equipment)
16	70035073	4	-		CAPSCREW, 1/2"NF x 1-3/4"
	70904208	4	-		LOCKWASHER, 1/2"
17	70056896	2	-		PLUG, protective (Special. Not used when mounting dozer equipment)
18	70035244	2	-		CAPSCREW, 3/8"NC x 3/4"
	70904206	2	-		LOCKWASHER, 3/8"
19	70064531	2	-		WASHER, plug spacing
20	70666335	8	-		CORK, thread protecting (7/8" diam.)
21	70097332	2	2		PLATE, dirt closure
22	70012992	4	4		CAPSCREW, 3/8"NF x 1-1/4" (Tractors prior to #14200)
	70919226	4	4		CAPSCREW, 3/8"NC x 1-5/8" (Tractors #14200 and up)
23	70904206	4	4		LOCKWASHER, 3/8"
	70044973	4	4		WASHER, plain
24	70912328	48	42		CAPSCREW, thread protecting (5/8"NF x 2") (Removed when guards are installed)
	70904209	48	42		LOCKWASHER, 5/8"
25	70656677	3	3		GUARD, end, left hand
26	70023465	6	6		CAPSCREW, 5/8"NF x 1-3/4"
	70904209	6	6		LOCKWASHER, 5/8"
	70911044	6	6		NUT, 5/8"NF
27	70656678	3	3		GUARD, end, right hand
28	70023465	6	6		CAPSCREW, 5/8"NF x 1-3/4"
	70904209	6	6		LOCKWASHER, 5/8"
	70911044	6	6		NUT, 5/8"NF

Special  
Equipment

M E M O



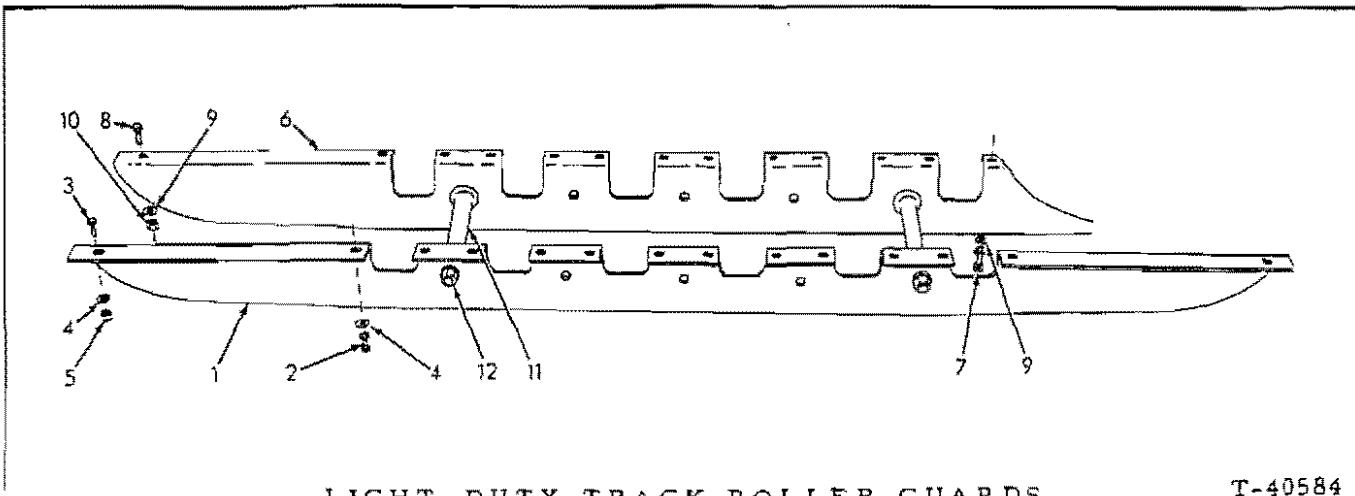
### HEAVY-DUTY TRACK ROLLER GUARDS

T-70409

USAGE: Special equipment. For units with standard 40-link tracks.

\* Partial guarding  
\*\* Full guarding

ITEM	PART NO.	QTY.	*	**	DESCRIPTION
1	70649103	3	3	3	GUARD, end section, left hand
2.	70013467	15	15		CAPSCREW, 5/8"NF x 3"
	70904209	15	15		LOCKWASHER, 5/8"
	70064810	15	15		WASHER, plain
3	70649104	3	3	3	GUARD, end section, right hand
4	70013467	15	15		CAPSCREW, 5/8"NF x 3"
	70904209	15	15		LOCKWASHER, 5/8"
	70064810	15	15		WASHER, plain
5	70645649	4	6		GUARD, intermediate section
6	70013467	16	24		CAPSCREW, 5/8"NF x 3"
	70904209	16	24		LOCKWASHER, 5/8"
	70064810	16	24		WASHER, plain
7	70645650	-	2		GUARD, intermediate rear section, outer
8	70013467	-	12		CAPSCREW, 5/8"NF x 3"
	70904209	-	12		LOCKWASHER, 5/8"
	70064810	-	12		WASHER, plain
9	{ 70645669	-	1		GUARD, rear inner section, left side
	70645670	-	1		GUARD, rear inner section, right side
10	70013467	-	6		CAPSCREW, 5/8"NF x 3"
	70904209	-	6		LOCKWASHER, 5/8"
	70064810	-	6		WASHER, plain
11	70632769	12	12		BLOCK, tapped, end guard attachment
12	70644112	6	12		SPACER, guard bracing
13	{ 70644179	6	12		CAPSCREW, guard bracing (Used prior to April 1967)
	70905347	6	12		LOCKWASHER, 7/8"
	70911046	6	12		NUT, 7/8"NF
	70638341	6	12		WASHER, plain
	70661102	6	12		ROD, guard bracing (Effective April 1967)
	70905347	12	24		LOCKWASHER, 7/8"
	70911046	12	24		NUT, 7/8"NF
	70638341	12	24		WASHER, plain



**LIGHT-DUTY TRACK ROLLER GUARDS**

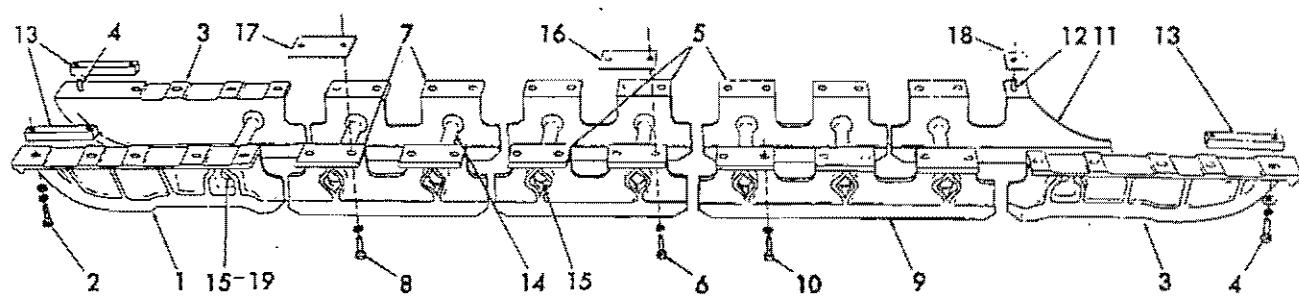
T-40584

**USAGE:** Special equipment. For units with standard 40-link tracks.

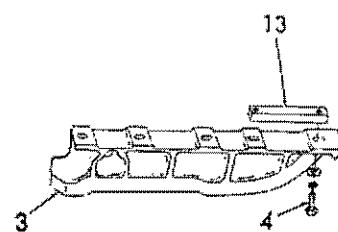
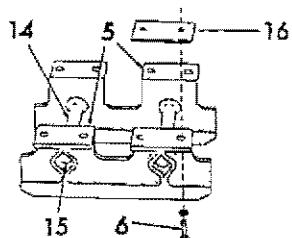
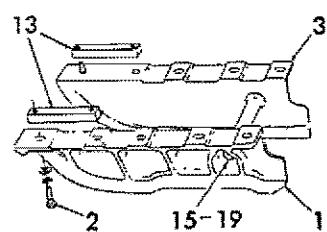
**ITEM PART NO. QTY. DESCRIPTION**

1	70644095	2	GUARD, outer (112-1/2" long)
2	70070161	24	CAPSCREW, 5/8"NF x 2-3/4"
3	70904209	24	LOCKWASHER, 5/8"
4	70023618	4	CAPSCREW, 5/8"NF x 2-1/2"
5	70064810	28	WASHER, plain
	70072366	4	NUT, high, 5/8"NF
6	{ 70644097	1	GUARD, inner, left (97-3/4" long)
	70644098	1	GUARD, inner, right (97-3/4" long)
7	70070161	24	CAPSCREW, 5/8"NF x 2-3/4"
8	70904209	24	LOCKWASHER, 5/8"
9	70023618	2	CAPSCREW, 5/8"NF x 2-1/2"
10	70064810	26	WASHER, plain
	70072366	2	NUT, high, 5/8"NF
11	70083150	4	SPACER, guard bracing
12	{ 70083165	4	CAPSCREW, guard bracing (Used prior to April 1967)
	70905347	4	LOCKWASHER, 7/8"
	70922041	4	NUT, high, 7/8"NF
	70661102	4	ROD, guard bracing (Effective April 1967)
	70905347	8	LOCKWASHER, 7/8"
	70911046	8	NUT, 7/8"NF
	70638341	8	WASHER, plain

FULL GUARDING



PARTIAL GUARDING



T-37235

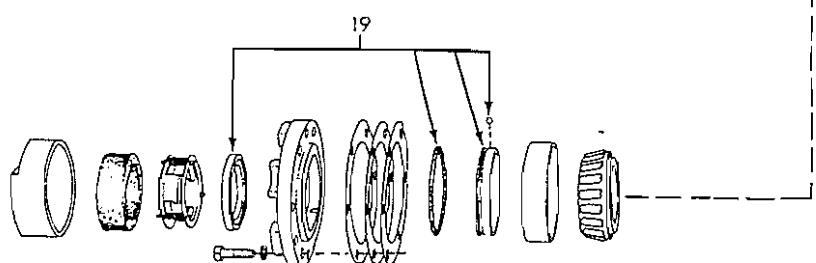
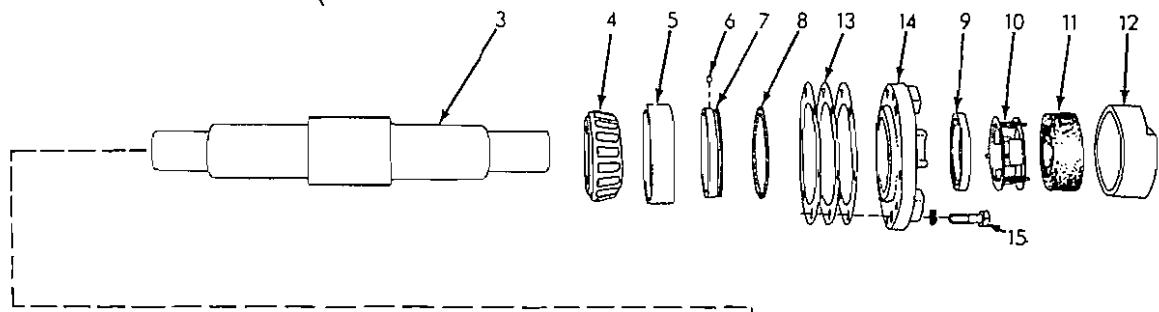
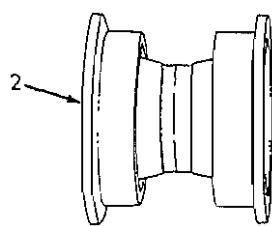
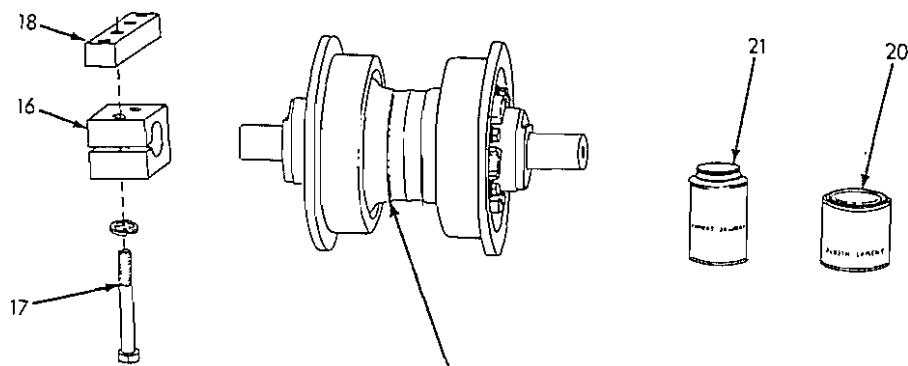
HEAVY-DUTY TRACK ROLLER GUARDS

## HEAVY-DUTY TRACK ROLLER GUARDS

USAGE: Special equipment. For units with special 44-link tracks.

\* Partial guarding  
\*\* Full guarding

ITEM	PART NO.	Q.T.Y.	*	**	DESCRIPTION
1	70649103	3	3		GUARD, end section, left hand
2	70013467	15	15		CAPSCREW, 5/8"NF x 3"
	70904209	15	15		LOCKWASHER, 5/8"
	70064810	15	15		WASHER, plain
3	70649104	3	3		GUARD, end section, right hand
4	70013467	15	15		CAPSCREW, 5/8"NF x 3"
	70904209	15	15		LOCKWASHER, 5/8"
	70064810	15	15		WASHER, plain
5	70648438	4	6		GUARD, intermediate section
6	70070161	16	24		CAPSCREW, 5/8"NF x 2-3/4"
	70904209	16	24		LOCKWASHER, 5/8"
7	70648441	-	4		GUARD, intermediate front section
8	70070161	-	16		CAPSCREW, 5/8"NF x 2-3/4"
	70904209	-	16		LOCKWASHER, 5/8"
9	70648436	-	2		GUARD, intermediate rear section, outer
10	70070161	-	12		CAPSCREW, 5/8"NF x 2-3/4"
	70904209	-	12		LOCKWASHER, 5/8"
11	{ 70648439	-	1		GUARD, rear inner section, left side
	70648440	-	1		GUARD, rear inner section, right side
12	70070161	-	6		CAPSCREW, 5/8"NF x 2-3/4"
	70904209	-	6		LOCKWASHER, 5/8"
13	70632769	12	12		BLOCK, tapped, end guard attachment
14	70644112	6	16		SPACER, guard bracing
15	{ 70644179	6	16		CAPSCREW, guard bracing (Used prior to April 1967)
	70905347	6	16		LOCKWASHER, 7/8"
	70922041	6	16		NUT, high, 7/8"NF
	{ 70661102	6	16		ROD, guard bracing (Effective April 1967)
	70905347	12	32		LOCKWASHER, 7/8"
	70911046	12	32		NUT, 7/8"NF
16	70650220	8	20		PLATE, guard spacing, intermediate
17	70650221	-	8		PLATE, guard spacing, front
18	70650222	-	2		PLATE, guard spacing, rear
19	70638341	4	4		WASHER, plain



TRACK ROLLER (First type)

T-5155

## TRACK ROLLER

USAGE: Standard equipment on tractors prior to serial No. 12201. Also see page 279 for optional heavy-duty type.

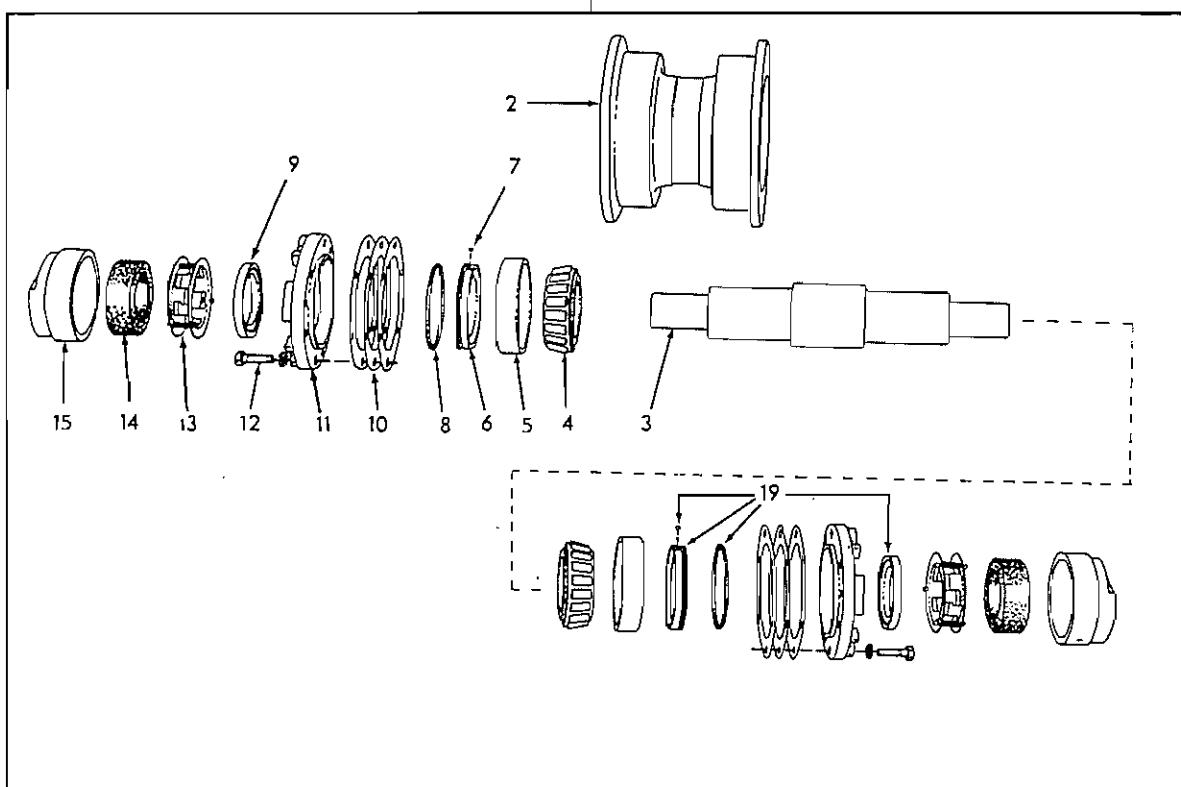
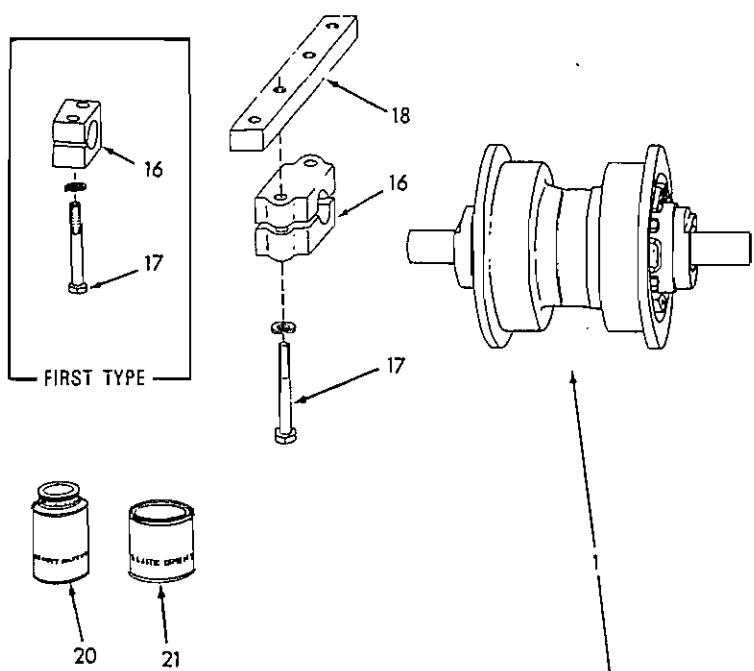
### ITEM PART NO. QTY. DESCRIPTION

1	70643078	12	ROLLER ASSEMBLY (Items 2 thru 15)
2	70643047	12	ROLLER
3	70622664	12	SHAFT
4	70043491	24	CONE ASSEMBLY, bearing
5	70659149	24	CUP, bearing
6	70905357	24	□BALL, steel, 3/16" diam.
7	70073027	24	□RING, seal, inner
8	70073029	24	□O-RING, seal packing
9	70621283	24	□RING, seal, outer
10	70048666	24	SPRING ASSEMBLY, seal (Serviced only as a unit)
11	70048665	24	BOOT, seal spring
12	70073634	24	RETAINER, seal
13	{ 70655458 70073024 70073025 70073026	48 72 72 24	SHIM, bearing adjustment (.003" thick) SHIM, bearing adjustment (.007" thick) SHIM, bearing adjustment (.010" thick) SHIM, bearing adjustment (.032" thick) }
14	70073023	24	RETAINER, bearing
15	70012992 70904206	144 144	CAPSCREW, 3/8"NF x 1-1/4" LOCKWASHER, 3/8"
16	70093805	24	BRACKET, attaching
17	70045524 70904209	48 48	CAPSCREW, 5/8"NF x 4-1/2" LOCKWASHER, 5/8"
18	70631617	24	BLOCK, tapped, attaching capscrews
19	70078941	12	SEAL KIT (Includes parts for (1) wheel only; items 6 thru 9)
20	70033288	-	CEMENT, neoprene, 1/2 pint can
21	70054890	-	SOLVENT, neoprene cement, 1/2 pint can

Use as required

For cementing  
seal boots

□ Components of item 19



TRACK ROLLER (Second type)

T-5925

## TRACK ROLLER

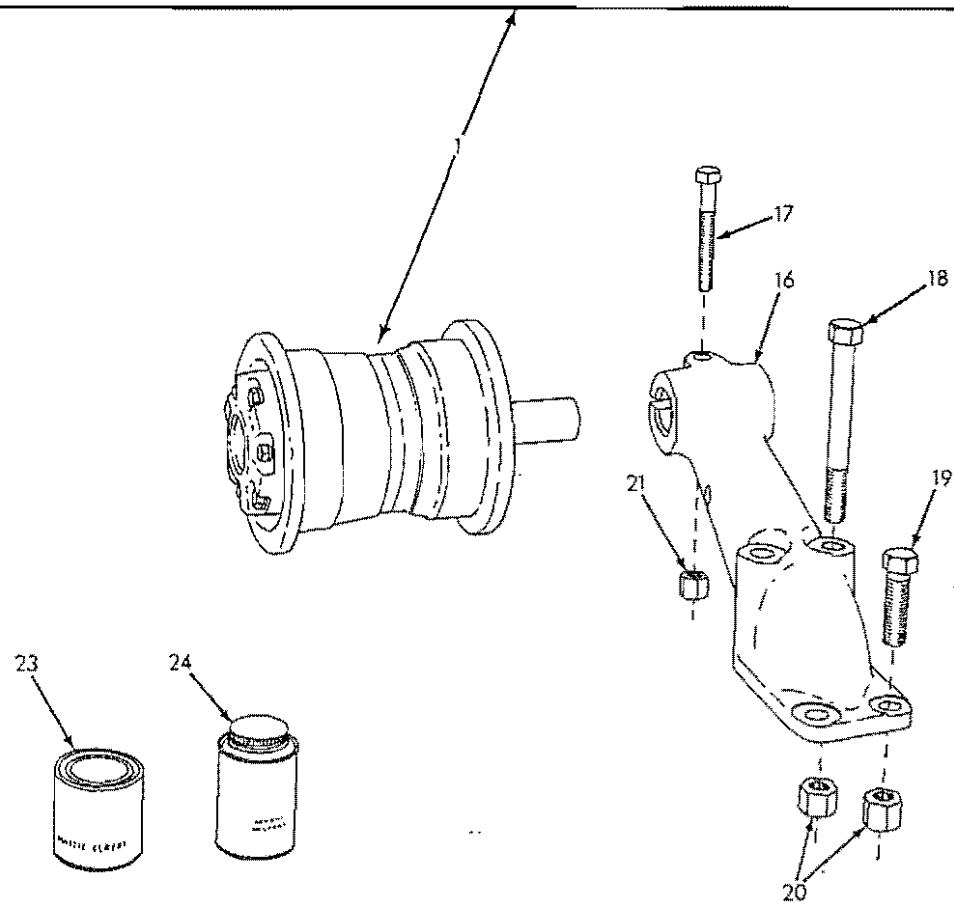
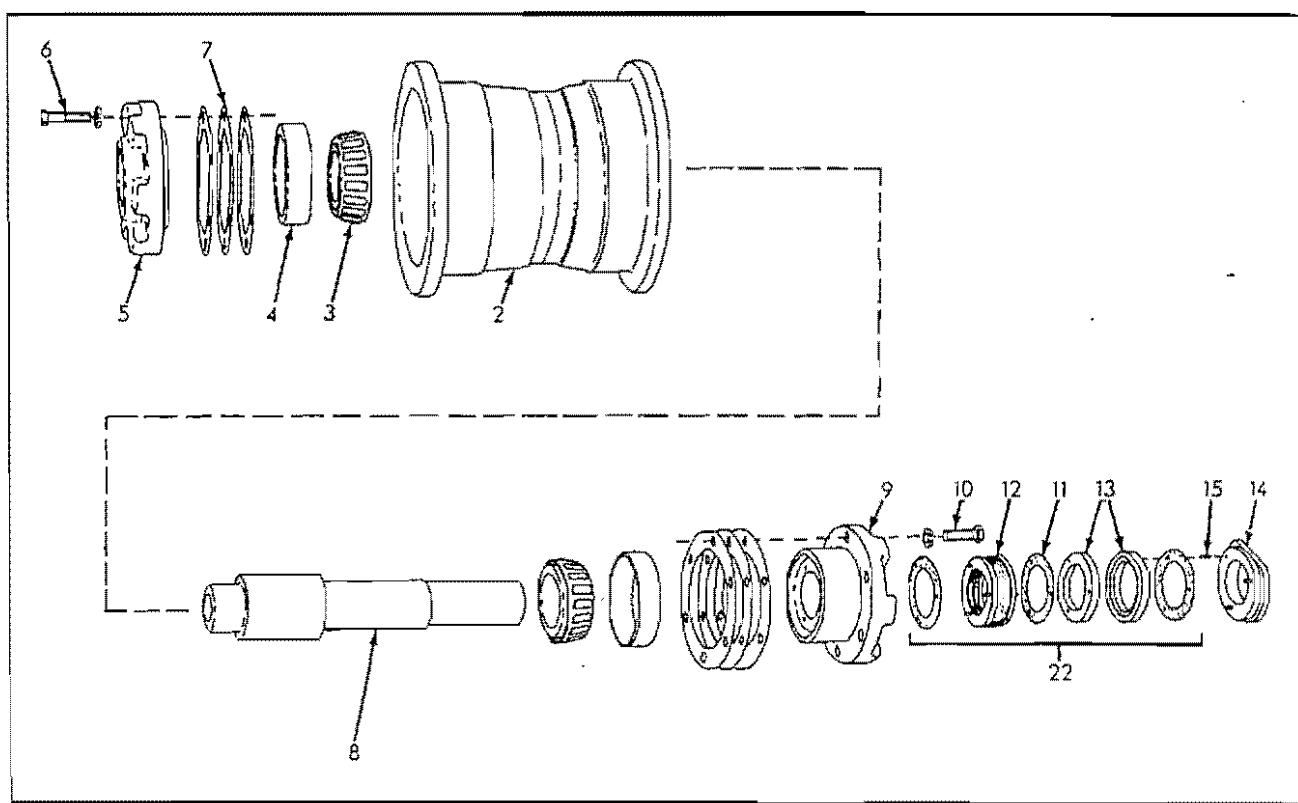
**USAGE:** Standard on tractors serial No. 12201 and up; optional on prior units.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70645648	1	ROLLER ASSEMBLY (Consists of items 2 thru 15)
2	70645612	1	ROLLER
3	70622663	1	SHAFT
4	70073112	2	CONE ASSEMBLY, bearing
5	70659153	2	CUP, bearing
6	70066693	2	O-RING, seal, inner
7	70905357	2	BALL, steel, 3/16" diam.
8	70923585	2	O-RING, seal ring
9	70049110	2	O-RING, seal, outer
10	{ 70656624 70074567 70074568 70074569	4 4 4 2	SHIM, bearing adjustment (.003" thick) SHIM, bearing adjustment (.007" thick) SHIM, bearing adjustment (.010" thick) SHIM, bearing adjustment (.032" thick)
11	70663046	2	RETAINER, bearing
12	70012992 70904206	12 12	CAPSCREW, 3/8"NF x 1-1/4" LOCKWASHER, 3/8"
13	70049111	2	SPRING ASSEMBLY, seal (Serviced only as a unit)
14	70049109	2	BOOT, seal spring
15	70074566	2	RETAINER, seal
16	{ 70093805 70667811	2 4	BRACKET, attaching (Tractors prior to #14189) BRACKET, attaching (half only)(Tractor #14189 and up)
17	70045524 70904209	4 4	CAPSCREW, 5/8"NF x 4-1/2" LOCKWASHER, 5/8"
18	70631617	2	BLOCK, tapped, attaching capscrews
19	70083208	1	SEAL KIT (Includes items 6 thru 9)
20	70054890	-	SOLVENT, neoprene cement, 1/2 pint can
21	70033288	-	CEMENT, neoprene, 1/2 pint can

NOTE: All quantities listed above are for one (1) roller only. The number of rollers used on the various applications is listed below.

With standard 40-link track . . . . . 12  
 With special 44-link track . . . . . 16

### Components of item 19



TRACK CARRIER ROLLER

T-4357

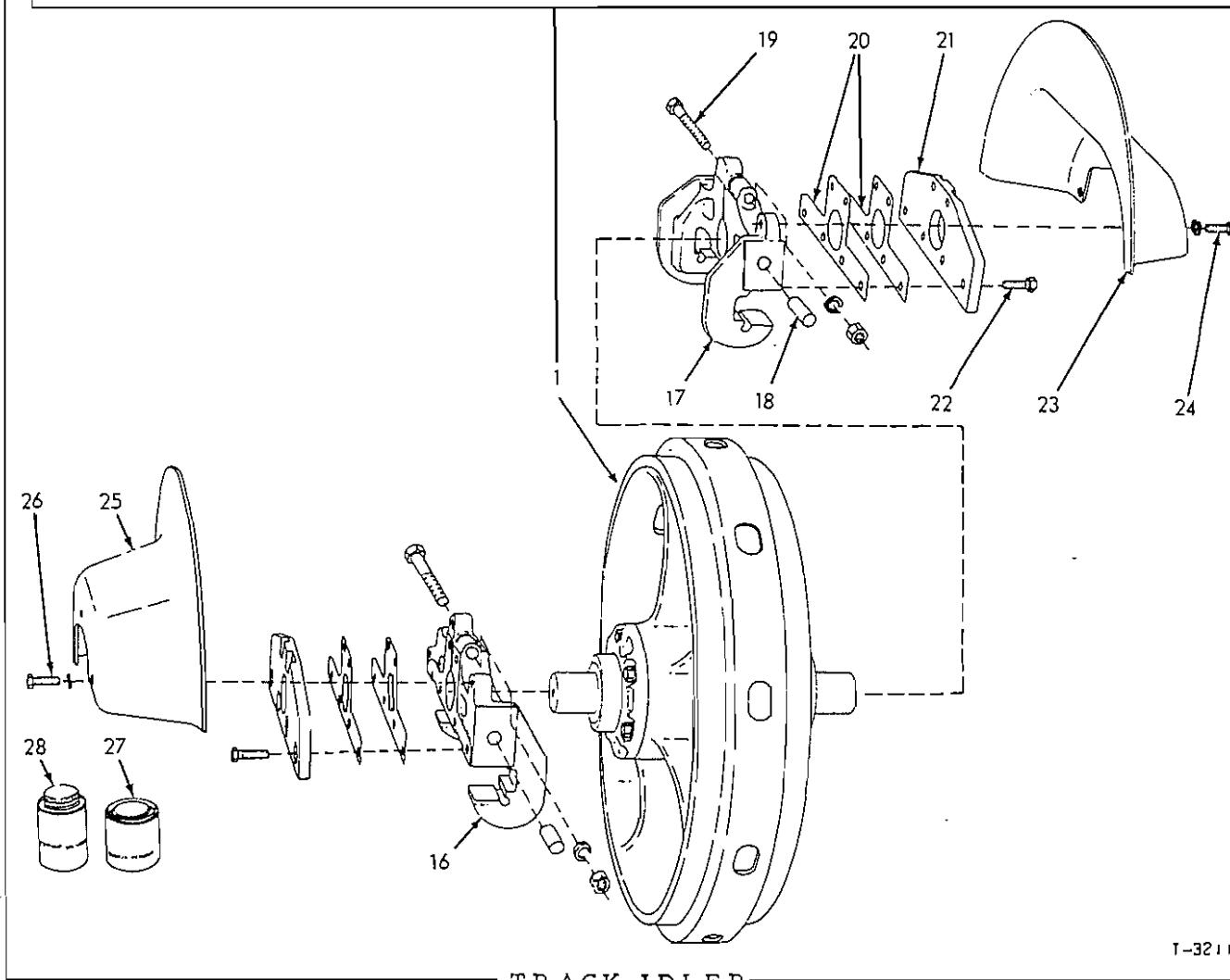
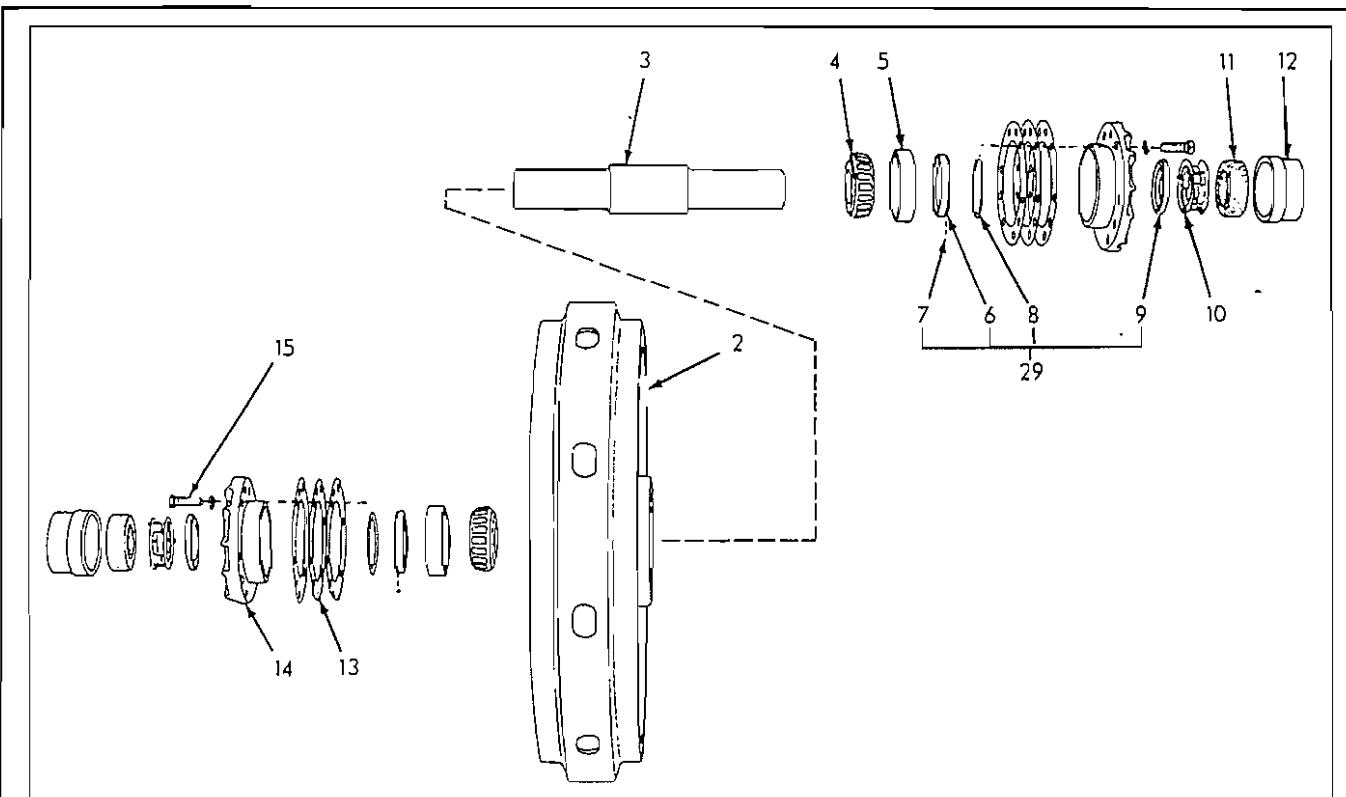
### TRACK CARRIER ROLLER

ITEM	PART NO.	QTY.	DESCRIPTION
1	70643966	4	ROLLER ASSEMBLY (Consists of items 2 thru 15)
2	70643959	4	ROLLER
3	70042888	8	CONE ASSEMBLY, bearing
4	70042887	8	CUP, bearing
5	70622612	4	RETAINER, outer bearing
6	70012992 70904206	24 24	CAPSCREW, 3/8"NF x 1-1/4" LOCKWASHER, 3/8"
7	70655474 70051484 70051483 70051482	16 8 20 12	SHIM, bearing adjustment (.003" thick) SHIM, bearing adjustment (.007" thick) SHIM, bearing adjustment (.010" thick) SHIM, bearing adjustment (.032" thick)
8	70056312	4	SHAFT
9	70051478	4	RETAINER, inner bearing
10	70012992 70904206	24 24	CAPSCREW, 3/8"NF x 1-1/4" LOCKWASHER, 3/8"
11	70047605	12	□GASKET, seal ring
12	70047581	4	□SPRING ASSEMBLY, seal (Serviced only as a unit)
13	70047151	8	□RING, seal
14	70051429	4	GUARD ASSEMBLY, seal (Includes item 15)
15	70049877	12	PIN, seal guard
16	70056881	4	BRACKET
17	70070299	4	CAPSCREW, 5/8"NF x 4"
18	70067559	8	CAPSCREW, 3/4"NF x 6-1/4"
19	70013465	8	CAPSCREW, 3/4"NF x 2-1/2"
20	70012767	16	NUT, high, 3/4"NF
21	70072366	4	NUT, high, 5/8"NF
22	70083536	2	SEAL KIT (Includes parts for two (2) Roller Assemblies; items 11 thru 13)
23	70033288	-	CEMENT, neoprene, 1/2 pint can
24	70054890	-	SOLVENT, neoprene cement, 1/2 pint can

□Components of item 22

Use as required

For cementing  
boots and gaskets

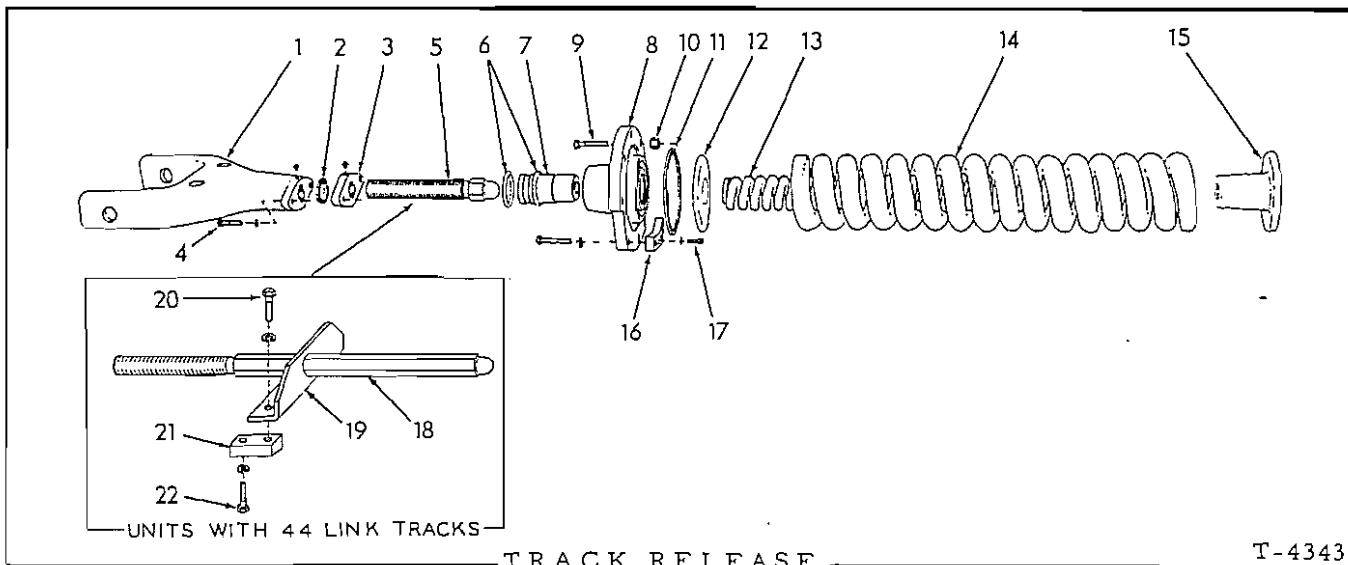


TRACK IDLER

T-32113

## TRACK IDLER

ITEM	PART NO.	QTY.	DESCRIPTION	
1	70644068	2	IDLER ASSEMBLY (Consists of items 2 thru 15)	
2	70655267	2	IDLER	
3	70622847	2	SHAFT	
4	70073112	4	CONE ASSEMBLY, bearing	
5	70073111	4	CUP, bearing	
6	70066093	4	O-RING, idler seal, inner	
7	70905357	4	BALL, steel, 3/16" diam.	
8	70923585	4	O-RING, seal ring	
9	70049110	4	O-RING, idler seal, outer	
10	70049111	4	SPRING ASSEMBLY, seal (Serviced only as a unit)	
11	70049109	4	BOOT, seal spring	
12	70622855	4	RETAINER, seal	
13	{ 70655524 70073160 70073161 70073162	8 4 6 4	SHIM, bearing adjustment (.003" thick) SHIM, bearing adjustment (.007" thick) SHIM, bearing adjustment (.010" thick) SHIM, bearing adjustment (.032" thick)	{ Use as required
14	70622850	4	RETAINER, bearing	
15	70035018	24	CAPSCREW, 1/2"NF x 1-1/2"	
	70904208	24	LOCKWASHER, 1/2"	
16	{ 70637763 70655741	2 2	BRACKET ASSEMBLY, left (Tractors prior to #13131) BRACKET ASSEMBLY, left (Tractors #13131 and up)	{ Each includes item 18
17	{ 70637764 70655742	2 2	BRACKET ASSEMBLY, right (Tractors prior to #13131) BRACKET ASSEMBLY, right (Tractors #13131 and up)	
18	70056585	4	PIN, dowel, idler bracket to release yoke	
19	70635796	4	CAPSCREW, bracket clamping (5/8"NF x 5")	
	70904209	4	LOCKWASHER, 5/8"	
	70911044	4	NUT, 5/8"NF	
20	70078981	16	SHIM, guide adjusting (Use as required)	
21	70643840	4	PLATE, guide	
22	70070590	24	CAPSCREW, 5/8"NF x 1-1/8"	
			<u>NOTE:</u> Guards listed below are special equipment	
23	70081408	2	GUARD, right	
24	70035525	6	CAPSCREW, 1/2"NF x 1-1/8"	
	70904208	6	LOCKWASHER 1/2"	
25	70061407	2	GUARD, left	
26	70035525	6	CAPSCREW, 1/2"NF x 1-1/8"	
	70904208	6	LOCKWASHER, 1/2"	
27	70033288	-	CEMENT, neoprene, 1/2 pint can	
28	70054890	-	SOLVENT, neoprene cement, 1/2 pint can	
29	70053208	2	SEAL KIT (Includes parts for one (1) idler only; items 6 thru 9)	
			{ Components of item 29	



TRACK RELEASE

T-4343

USAGE: Tractors prior to serial No. 12390

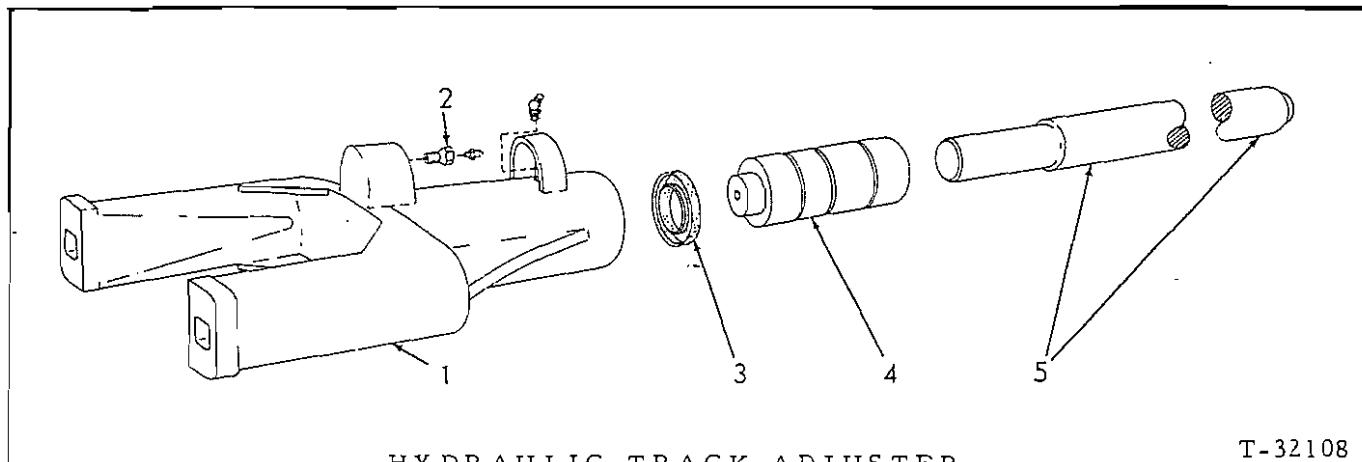
ITEM PART NO. QTY. DESCRIPTION

NOTE: See page 285 for optional hydraulic track adjuster

1	70637800 70914465	2	YOKE FITTING, lubricating, straight, 1/8"NPT
2	70066068	2	SEAL, protecting, adjustment screw threads (rubber)
3	70056614 70914465	2	LOCK, adjustment screw FITTING, lubricating, straight, 1/8"NPT
4	70035067 70904208	4	CAPSCREW, 1/2"NF x 2" LOCKWASHER, 1/2"
5	70645432	2	SCREW, adjustment (18" long)(See NOTE below)
6	70923827	4	O-RING, crosshead
7	70621300	2	CROSSHEAD
8	70056652	2	COVER, release spring chamber
9	70070161 70904209	16	CAPSCREW, 5/8"NF x 2-3/4" LOCKWASHER, 5/8"
10	70072366	10	NUT, high, 5/8"NF
11	70926177	2	O-RING, release spring chamber cover
12	70098121	2	WASHER, release spring
13	70098123	2	SPRING, inner
14	70098122	2	SPRING, outer
15	70098124	2	SEAT, release spring
16	70645545	2	BLOCK, tapped
17	70035190 70904208	4	CAPSCREW, 1/2"NC x 1-1/2" LOCKWASHER, 1/2"

NOTE: Items listed below are used only on units with special  
44-link tracks

18	70095281	2	SCREW, adjustment (34-1/2" long)
19	70095280	2	BRACKET, supporting, adjustment screw
20	70023618 70904209	4	CAPSCREW, 5/8"NF x 2-1/2" LOCKWASHER, 5/8"
21	70631665	4	BLOCK, tapped
22	70035067 70904208	4	CAPSCREW, 1/2"NF x 2" LOCKWASHER, 1/2"



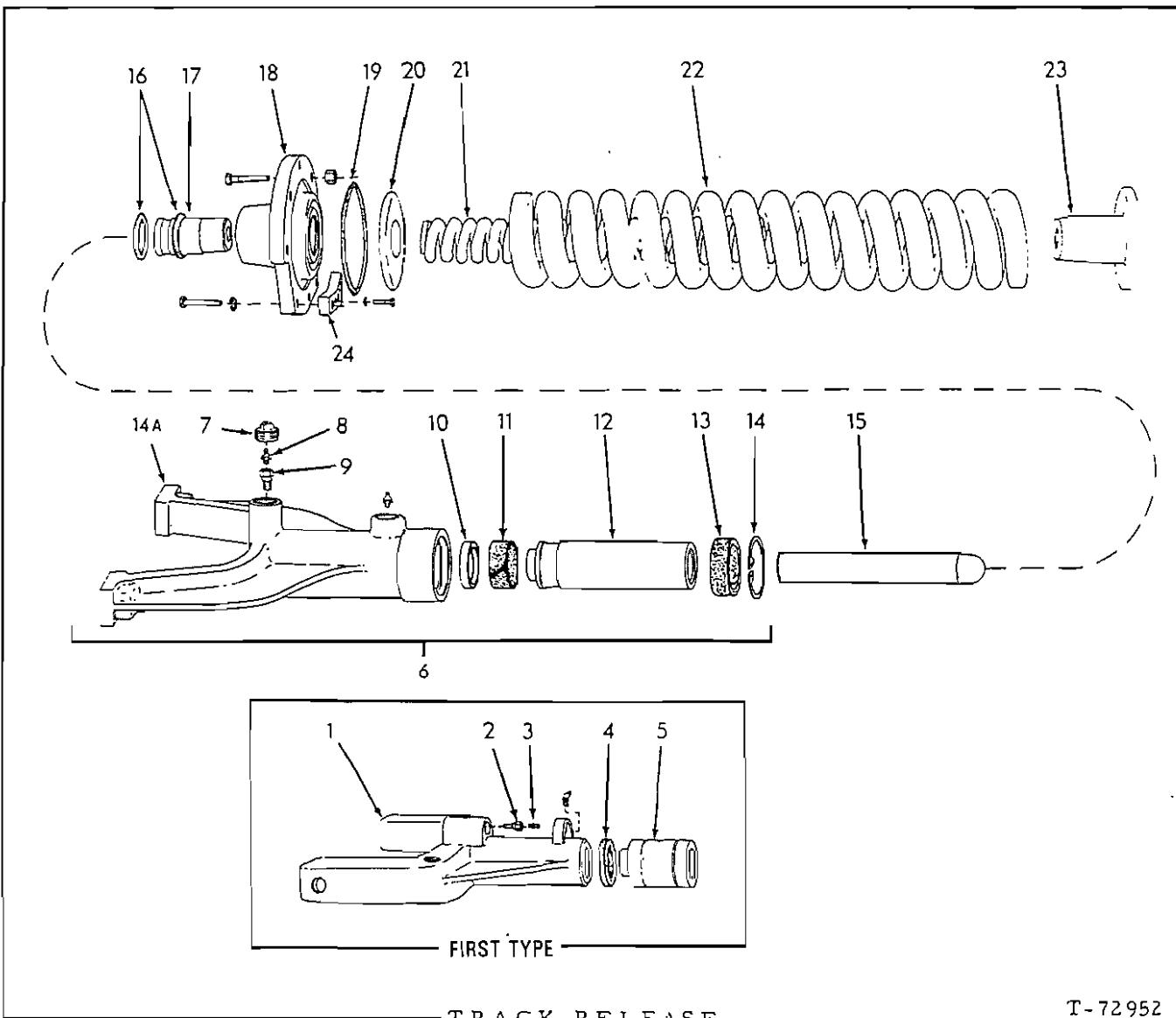
**HYDRAULIC TRACK ADJUSTER**

T-32108

USAGE: Special equipment on tractors prior to serial No. 12390

**ITEM PART NO. QTY. DESCRIPTION**

1	70661601	2	YOKE ASSEMBLY (Includes items 2 thru 4 and FITTINGS indented below)
	70915275	2	FITTING, lubricating, 65°, 1/8" NPT
2	70628915	2	VALVE ASSEMBLY, relief (Serviced only as a unit)
	70912808	2	FITTING, straight, 1/4" -28NF (pressurizing)
3	70628934	2	SEAL, piston
4	70663939	2	PISTON, adjusting
5	{ 70644017	2	BAR, push (15-5/8" long)(Units with standard 40-link tracks)
	70624565	2	BAR, push (32-1/2" long)(Units with special 44-link tracks)



**TRACK RELEASE**

T-72952

USAGE: Tractors serial No. 12390 and up

\* Tractors serial No. 12390 thru No. 13435  
\*\* Tractors serial No. 13436 and up

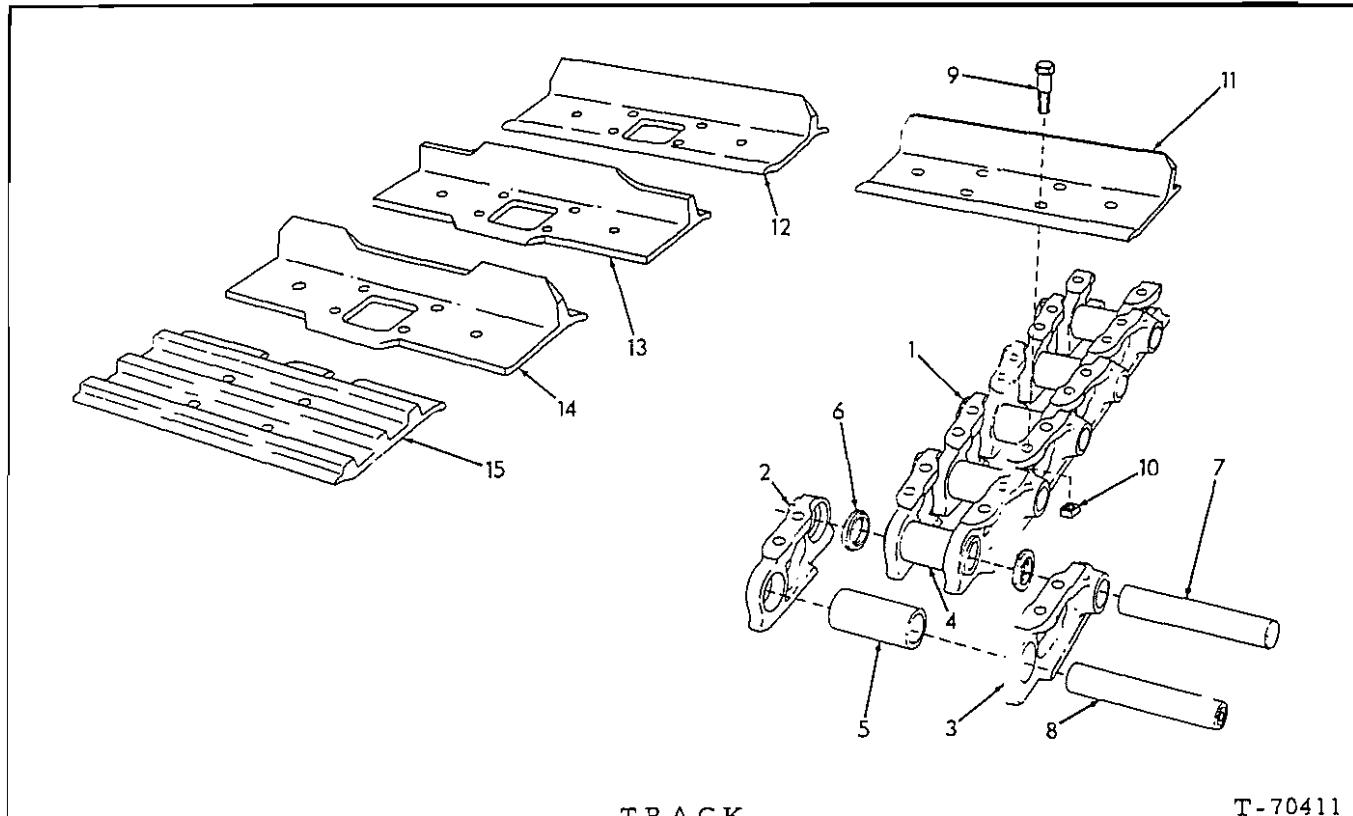
ITEM	PART NO.	QTY.	DESCRIPTION
		*	**
1	70915275	2	YOKE ASSEMBLY (Includes items 2 thru 5 and FITTING indented below) (Order YOKE ASSY. 70665044) FITTING, lubricating, 65°, 1/8"NPT
2	70628915	2	VALVE ASSEMBLY, relief (Serviced only as a unit)
3	70666407	2	FITTING, pressurizing
4	70628934	2	SEAL, piston
5	70663939	2	PISTON, adjusting

(Continued)

## TRACK RELEASE (Continued)

ITEM	PART NO.	QTY.	*	**	DESCRIPTION
6	70665044	-	2		YODE ASSEMBLY (Includes items 7 thru 14 A)
	70914465	-	2		FITTING, lubricating, straight, 1/8"NPT
7	70666367	-	2		PLUG, yoke
8	70666407	-	2		FITTING, pressurizing
9	70628915	-	2		VALVE ASSEMBLY, relief (Serviced only as a unit)
10	70628934	-	2		SEAL, piston
11	70666620	-	2		RING, wear, adjusting piston
12	70665043	-	2		PISTON, adjusting
13	70666621	-	2		RING, wear, release yoke
14	70659058	-	2		RING, snap
14A	70665042	-	2		YODE, only
	70644017	2	-		BAR, push (15-5/8" long) }
15	70666652	-	2		BAR, push (11-3/4" long) }
	70624565	2	-		BAR, push (32" long) }
	70666622	-	2		BAR, push (28-3/8" long) }
16	70923827	4	4		O-RING, crosshead
17	70621300	2	2		CROSSHEAD
18	70056652	2	2		COVER, release spring chamber
	70070161	16	16		CAPSCREW, 5/8"NF x 2-3/4"
	70904209	6	6		LOCKWASHER, 5/8"
	70072366	10	10		NUT, high, 5/8"NF
19	70926177	2	2		O-RING, release spring chamber cover
20	70098121	2	2		WASHER, release spring
21	70098123	2	2		SPRING, inner
22	70098122	2	2		SPRING, outer
23	70098124	2	2		SEAT, release spring
24	70645545	2	2		BLOCK, tapped
	70035190	4	4		CAPSCREW, 1/2"NC x 1-1/2"
	70904208	4	4		LOCKWASHER 1/2"

(Revised May 1979)



T R A C K

T-70411

\* Units with standard 40-link tracks  
\*\* Units with special 44-link tracks

ITEM	PART NO.	Q.T.Y.	DESCRIPTION
1	70643881	2	CHAIN ASSY. (40 links)(Consists of items 2 thru 8)
	73107908	- 2	CHAIN ASSY. (44 links)(Consists of items 2 thru 8)
2	70643841	78 86	LINK, left (Tractors prior to #14213)
	70668327	78 86	LINK, left (Tractors #14213 and up)
	70645441	2 2	LINK, master, left
3	70643842	78 86	LINK, right (Tractors prior to #14213)
	70668328	78 86	LINK, right (Tractors #14213 and up)
	70645442	2 2	LINK, master, right
4	70643967	78 86	BUSHING (5-5/16" long)(Tractors prior to #14213)
	70668324	78 86	BUSHING (5" long)(Tractors #14213 and up)
5	70643973	2 2	BUSHING, master (5" long)
6	70645148	160 176	SEAL
7	70643924	78 86	PIN
8	70644051	2 2	PIN, master
9	70097282	320 352	BOLT, track shoe

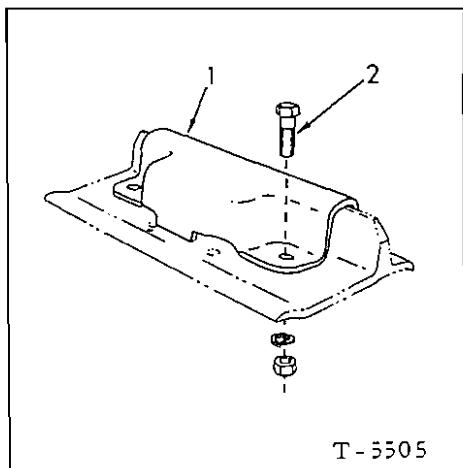
(Continued)

(Revised May 1979)

T R A C K (Continued)

ITEM	PART NO.	QTY. * **	DESCRIPTION
10	70084342	320 352	NUT, hex, shoe bolt (Tractors prior to #14213)
	70666583	320 352	NUT, square, shoe bolt (Tractors #14213 and up)

ITEM	PART NO.	QTY. * **	DESCRIPTION	TRACK SHOES	COMPLETE TRACK ASSEMBLIES WITH SHOES (2 Required)
				*	**
				(40 links)	(44 links)
11	70656879	80 88	SHOE, grouser, 16" . . . . .	70659557	. . . 73107908
	70659456	80 88	SHOE, grouser, 18" . . . . .	70659655	
	70659460	80 88	SHOE, grouser, 20" . . . . .	70659661	. . . 70666398
	70659476	80 88	SHOE, grouser, 22" . . . . .	70659642	. . . 70668363
	70659488	80 88	SHOE, grouser, 24" . . . . .	70659772	. . . 70668397
	70659483	80 88	SHOE, grouser, 30" . . . . .	70659664	. . . 70668367
12	70659475	80 88	SHOE, grouser, open center, 18" . . . . .	70659667	
	70659455	80 88	SHOE, grouser, open center, 20" . . . . .	70659658	
13	70659424	40 44	SHOE, grouser, snow and ice, single calk, open center, 18" . . . . .	70659652	
14	70659471	40 44	SHOE, grouser, snow and ice, double calk, open center, 18" . . . . .		
15	70644062	80 88	SHOE, semi-grouser, 16" . . . . .	70644186	. . . 70645699
	70644144	80 88	SHOE, semi-grouser, 20" . . . . .	70644215	. . . 70668371



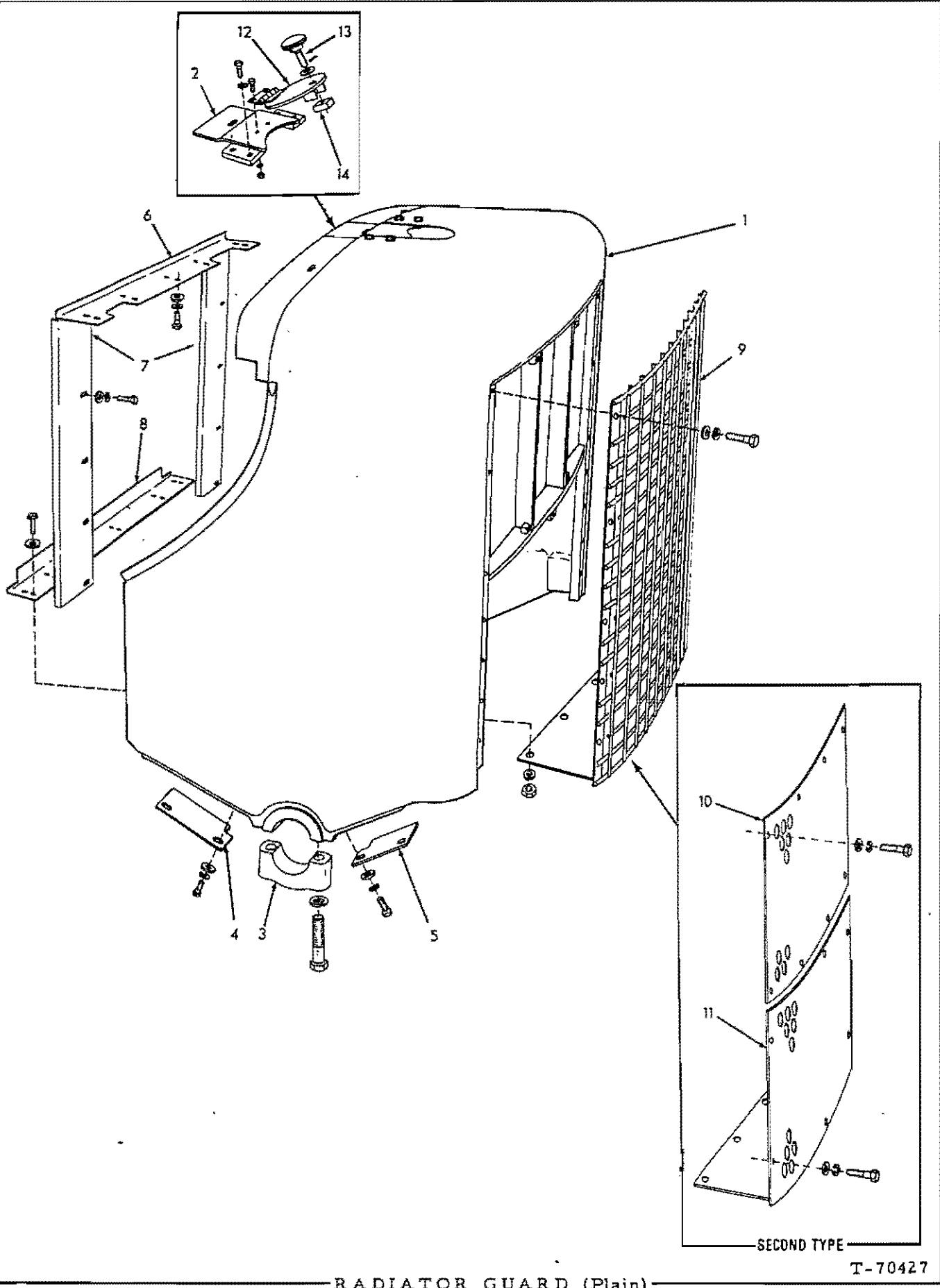
S T R E E T P L A T E S

USAGE: Special equipment. For grouser shoes only.

ITEM PART NO. QTY. DESCRIPTION

1	70073558	1	PLATE, street
2	70035014	2	CAPSCREW, 5/8"NF x 1-1/2"
	70904209	2	LOCKWASHER, 5/8"
	70911044	2	NUT, 5/8"NF

NOTE: Quantities indicated are  
for one (1) shoe only.



RADIATOR GUARD (Plain)

T-70427

**RADIATOR GUARD**  
(Plain type)

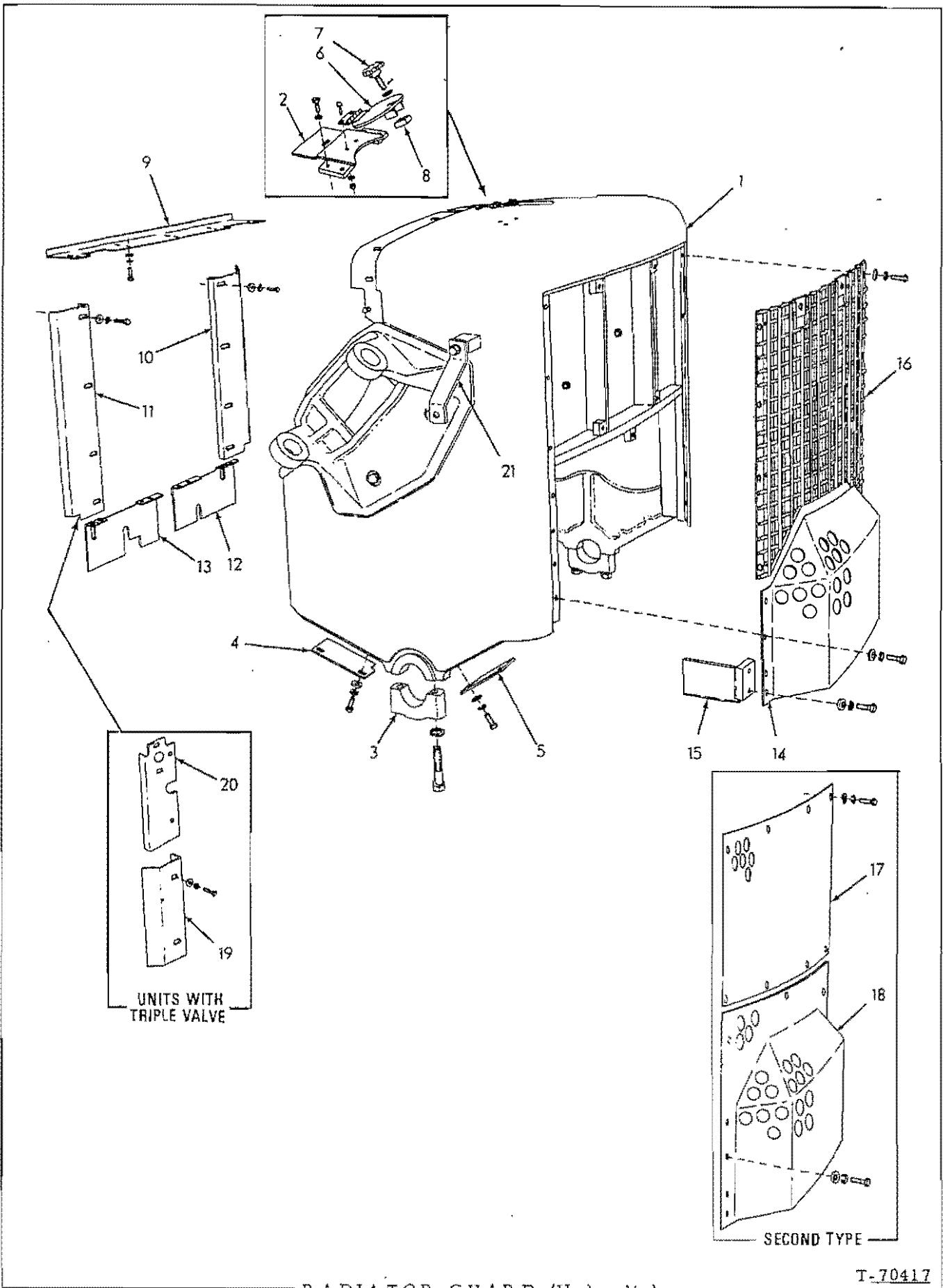
USAGE: Standard equipment. See following pages for optional designs.

\* Tractors prior to serial No. 13367

\*\* Tractors serial No. 13367 and up

ITEM	PART NO.	QTY.	*	**	DESCRIPTION	
1	70645498	1	-	GUARD ASSEMBLY	Each includes items 2 and 3	
	70660597	-	1	GUARD ASSEMBLY		
2	70093446	1	-	PLATE, top closure (Tractors prior to #11609)		
	70651623	1	1	PLATE, top closure (Tractors #11609 and up)		
	70070467	4	4	CAPSCREW, 1/2"NF x 1"		
	70904208	4	4	LOCKWASHER, 1/2"		
3	70085555	2	2	CAP, guard pivot		
	70075878	4	4	CAPSCREW, 7/8"NF x 4"		
	70905347	4	4	LOCKWASHER, 7/8"		
4	70085304	2	2	PLATE, bottom closure, rear		
	70035018	4	4	CAPSCREW, 1/2"NF x 1-1/2"		
	70904208	4	4	LOCKWASHER, 1/2"		
	70064531	4	4	WASHER, plain		
5	70085305	2	2	PLATE, bottom closure, front		
	70035018	4	4	CAPSCREW, 1/2"NF x 1-1/2"		
	70904208	4	4	LOCKWASHER, 1/2"		
	70064531	4	4	WASHER, plain		
6	70641490	1	1	BAFFLE, air, upper		
	70036034	5	5	CAPSCREW, 3/8"NF x 1"		
	70904206	5	5	LOCKWASHER, 3/8"		
	70044973	5	5	WASHER, plain		
7	70645510	2	2	BAFFLE, air side		
	70036034	10	10	CAPSCREW, 3/8"NF x 1"		
	70904206	10	10	LOCKWASHER, 3/8"		
	70044973	10	10	WASHER, plain		
8	70641491	1	1	BAFFLE, air, lower		
	70012992	5	5	CAPSCREW, 3/8"NF x 1-1/4"		
	70044973	5	5	WASHER, plain		
	70904206	5	5	LOCKWASHER, 3/8"		
	70911041	5	5	NUT, 3/8"NF		
9	70642631	1	-	GRILLE, front closure		
	70035190	12	-	CAPSCREW, 1/2"NC x 1-1/2"		
	70904208	12	-	LOCKWASHER, 1/2"		
	70064531	12	-	WASHER, plain		
10	70660629	-	1	PLATE, front closure, upper section		
	70035190	-	8	CAPSCREW, 1/2"NC x 1-1/2"		
	70904208	-	8	LOCKWASHER, 1/2"		
	70064531	-	8	WASHER, plain		
11	70660631	-	1	PLATE, front closure, lower section		
	70035190	-	5	CAPSCREW, 1/2"NC x 1-1/2"		
	70904208	-	5	LOCKWASHER, 1/2"		
	70064531	-	5	WASHER, plain		
12	70091942	1	-	PLATE, top closure (Includes hinge)		Tractors prior to #11609
	70035167	2	-	CAPSCREW, 3/8"NF x 7/8"		
	70904206	2	-	LOCKWASHER, 3/8"		
	70911041	2	-	NUT, 3/8"NF		
13	70624487	1	-	KNOB, top closure plate		
	70910244	1	-	WASHER, plain, SAE std., 1/2"		
	70916202	1	-	PIN, roll, 1/8" x 7/8"		
14	70624488	1	-	BLOCK, tapped		

NOTE: See PAINTING AND MARKING for transfers



RADIATOR GUARD (Hydraulic)

T-70417

**RADIATOR GUARD**  
(Hydraulic type)

USAGE: Optional equipment. For units with hydraulic dozer.

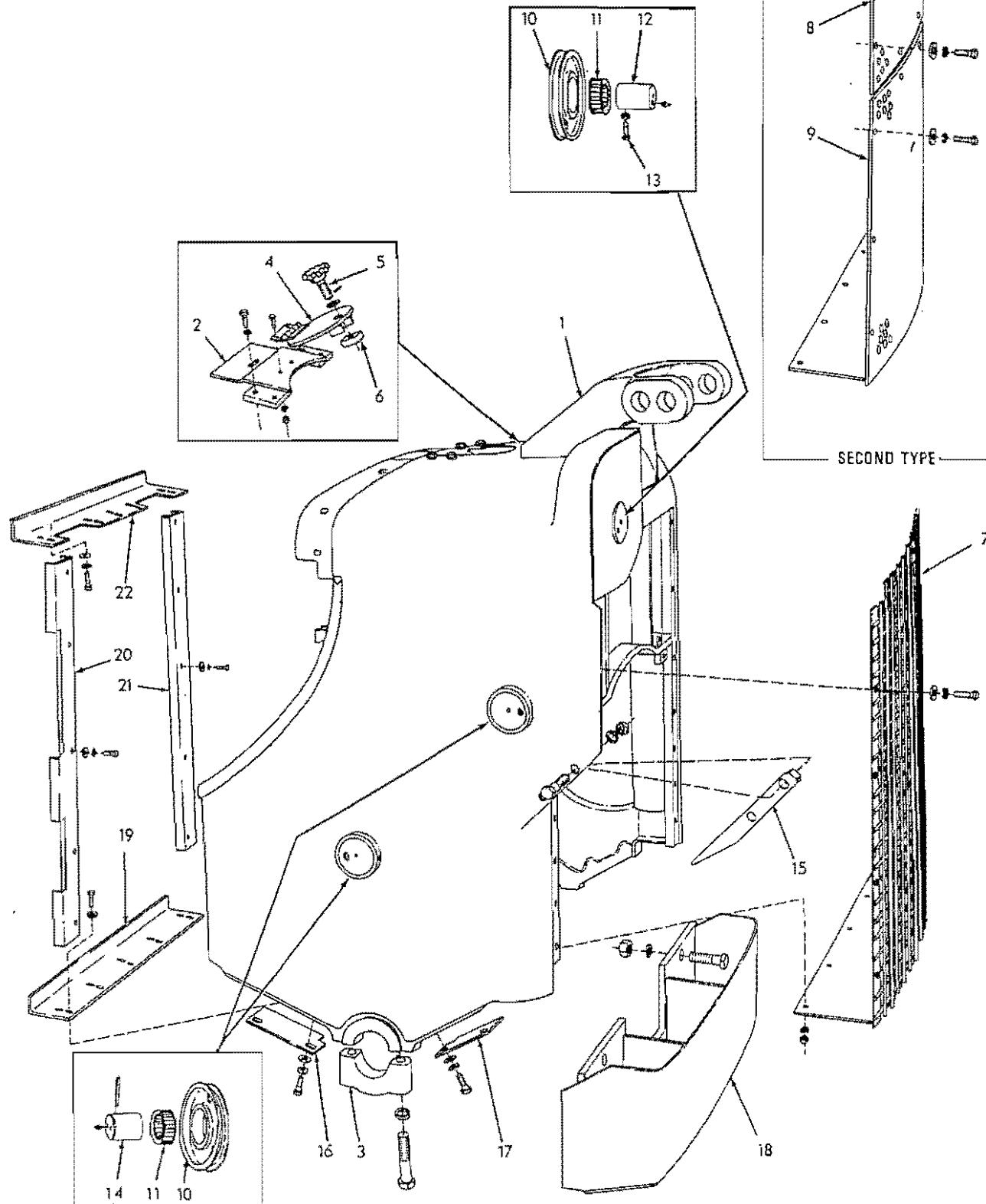
ITEM	PART NO.	QTY.	* Tractors prior to serial No.13367 ** Tractors serial No.13367 and up	
			*	**
1	70645499	1	- GUARD ASSEMBLY	Each includes items 2 and 3
	70660955	-	1 GUARD ASSEMBLY	
2	70093446	1	- PLATE, top closure (Tractors prior to #11609)	
	70651623	1	1 PLATE, top closure (Tractors #11609 and up)	
	70070467	4	4 CAPSCREW, 1/2"NF x 1"	
	70904208	4	4 LOCKWASHER, 1/2"	
3	70085555	2	2 CAP, guard pivot	
	70075878	4	4 CAPSCREW, 7/8"NF x 4"	
	70905347	4	4 LOCKWASHER, 7/8"	
4	70085304	2	2 PLATE, bottom closure, rear	
	70035018	4	4 CAPSCREW, 1/2"NF x 1-1/2"	
	70904208	4	4 LOCKWASHER, 1/2"	
	70064531	4	4 WASHER, plain	
5	70085305	2	2 PLATE, bottom closure, front	
	70035018	4	4 CAPSCREW, 1/2"NF x 1-1/2"	
	70904208	4	4 LOCKWASHER, 1/2"	
	70064531	4	4 WASHER, plain	
6	70091942	1	- PLATE, top closure (Includes hinge)	
	70035167	2	- CAPSCREW, 3/8"NF x 7/8"	
	70904206	2	- LOCKWASHER, 3/8"	
	70911041	2	- NUT, 3/8"NF	
7	70624487	1	- KNOB, top closure plate	Tractors prior to #11609
	70910244	1	- WASHER, plain, SAE std., 1/2"	
	70916202	1	- PIN, roll, 1/8" x 7/8"	
8	70624488	1	- BLOCK,tapped	
9	70641490	1	1 BAFFLE, air, upper	
	70036034	5	5 CAPSCREW, 3/8"NF x 1"	
	70904206	5	5 LOCKWASHER, 3/8"	
	70044973	5	5 WASHER, plain	
10	70645511	1	1 BAFFLE, air, left side	
	70036034	4	4 CAPSCREW, 3/8"NF x 1"	
	70904206	4	4 LOCKWASHER, 3/8"	
	70044973	4	4 WASHER, plain	
11	70645512	1	1 BAFFLE, air, right side	
	70036034	4	4 CAPSCREW, 3/8"NF x 1"	
	70904206	4	4 LOCKWASHER, 3/8"	
	70044973	4	4 WASHER, plain	
12	70645547	1	- BAFFLE, air, lower left	
	70647853	-	1 BAFFLE, air, lower left	

(Continued)

RADIATOR GUARD (Continued)  
(Hydraulic type)

ITEM	PART NO.	QTY.	*	**	DESCRIPTION
13	70647854	1	-		BAFFLE, air, lower right
	70657591	-	1		BAFFLE, air, lower right
14	70644715	1	-		PLATE, front closure, lower
	70035190	4	-		CAPSCREW, 1/2"NC x 1-1/2"
	70904208	4	-		LOCKWASHER, 1/2"
	70064531	4	-		WASHER, plain
15	70622767	1	1		COVER, side closure, left
	70622768	1	1		COVER, side closure, right
	70035190	4	4		CAPSCREW, 1/2"NC x 1-1/2"
	70904208	4	4		LOCKWASHER, 1/2"
	70064531	4	4		WASHER, plain
16	70644728	1	-		GRILLE, front closure, upper
	70035190	10	-		CAPSCREW, 1/2"NC x 1-1/2"
	70904208	10	-		LOCKWASHER, 1/2"
	70064531	10	-		WASHER, plain
17	70660629	-	1		PLATE, front closure, upper section
	70035190	-	8		CAPSCREW, 1/2"NC x 1-1/2"
	70904208	-	8		LOCKWASHER, 1/2"
	70064531	-	8		WASHER, plain
18	70661043	-	1		PLATE, front closure, lower section
	70035190	-	11		CAPSCREW, 1/2"NC x 1-1/2"
	70904208	-	11		LOCKWASHER, 1/2"
	70064531	-	11		WASHER, plain
	<u>NOTE:</u> Items 19 and 20 are used only on units equipped with triple-control hydraulic valve.				
19	70645896	2	2		BAFFLE, air, lower section
	70012992	4	4		CAPSCREW, 3/8"NF x 1-1/4"
	70904206	4	4		LOCKWASHER, 3/8"
	70044973	4	4		WASHER, plain
20	70645371	1	1		BAFFLE, air, left side, upper section
	70645372	1	1		BAFFLE, air, right side, upper section
21	70660474	2	2		STRAP, cylinder tie-down(Used only when transporting tractor with dozer blade removed)
	70916311	2	2		CAPSCREW, 1/2"NC x 1-1/4"
	70904208	2	2		LOCKWASHER, 1/2"
	<u>NOTE:</u> See PAINTING AND MARKING for transfers				

M E M O



RADIATOR GUARD (Cable)

T-70426

RADIATOR GUARD  
(Cable type)

USAGE: Optional equipment. For units with cable dozer.

\* Tractors prior to serial No. 13367  
\*\* Tractors serial No. 13367 and up

ITEM	PART NO.	QTY.	*	**	DESCRIPTION
1	70645501	1	-		GUARD ASSEMBLY
	70660398	1	-		GUARD ASSEMBLY
2	70093446	1	-		PLATE, top closure (Tractors prior to #11609)
	70651623	1	1		PLATE, top closure (Tractors #11609 and up)
	70070467	4	4		CAPSCREW, 1/2"NF x 1"
	70904208	4	4		LOCKWASHER, 1/2"
3	70085555	2	2		CAP, guard pivot
	70075878	4	4		CAPSCREW, 7/8"NF x 4"
	70905347	4	4		LOCKWASHER, 7/8"
4	70091942	1	-		PLATE, top closure (Includes hinge)
	70035167	2	-		CAPSCREW, 3/8"NF x 7/8"
	70904206	2	-		LOCKWASHER, 3/8"
	70911041	2	-		NUT, 3/8"NF
5	70624487	1	-		KNOB, top closure plate
	70910244	1	-		WASHER, plain, SAE std., 1/2"
	70916202	1	-		PIN, roll, 1/8" x 7/8"
6	70624488	1	-		BLOCK, tapped
7	70642814	1	-		GRILLE, front closure
	70035190	10	-		CAPSCREW, 1/2"NC x 1-1/2"
	70904208	10	-		LOCKWASHER, 1/2"
	70064531	10	-		WASHER, plain
8	70660396	-	1		PLATE, front closure, upper section
	70035190	-	7		CAPSCREW, 1/2"NC x 1-1/2"
	70904208	-	7		LOCKWASHER, 1/2"
	70064531	-	7		WASHER, plain
9	70660397	-	1		PLATE, front closure, lower section
	70035190	-	8		CAPSCREW, 1/2"NC x 1-1/2"
	70904208	-	8		LOCKWASHER, 1/2"
	70064531	-	8		WASHER, plain
10	70084758	3	3		SHEAVE, control cable
11	70044875	3	3		BEARING, roller, cable sheave
12	70085521	1	1		SHAFT, front sheave
	.70914465	1	1		FITTING, lubricating, straight, 1/8"NPT
13	70035188	1	1		SETSCREW, shaft retaining
	70911035	1	1		NUT, jam, 1/2"NC
14	70084384	2	2		SHAFT, side sheaves
	70914465	2	2		FITTING, lubricating, straight, 1/8"NPT
	70917936	2	2		PIN, roll, 3/8" x 3-1/2"

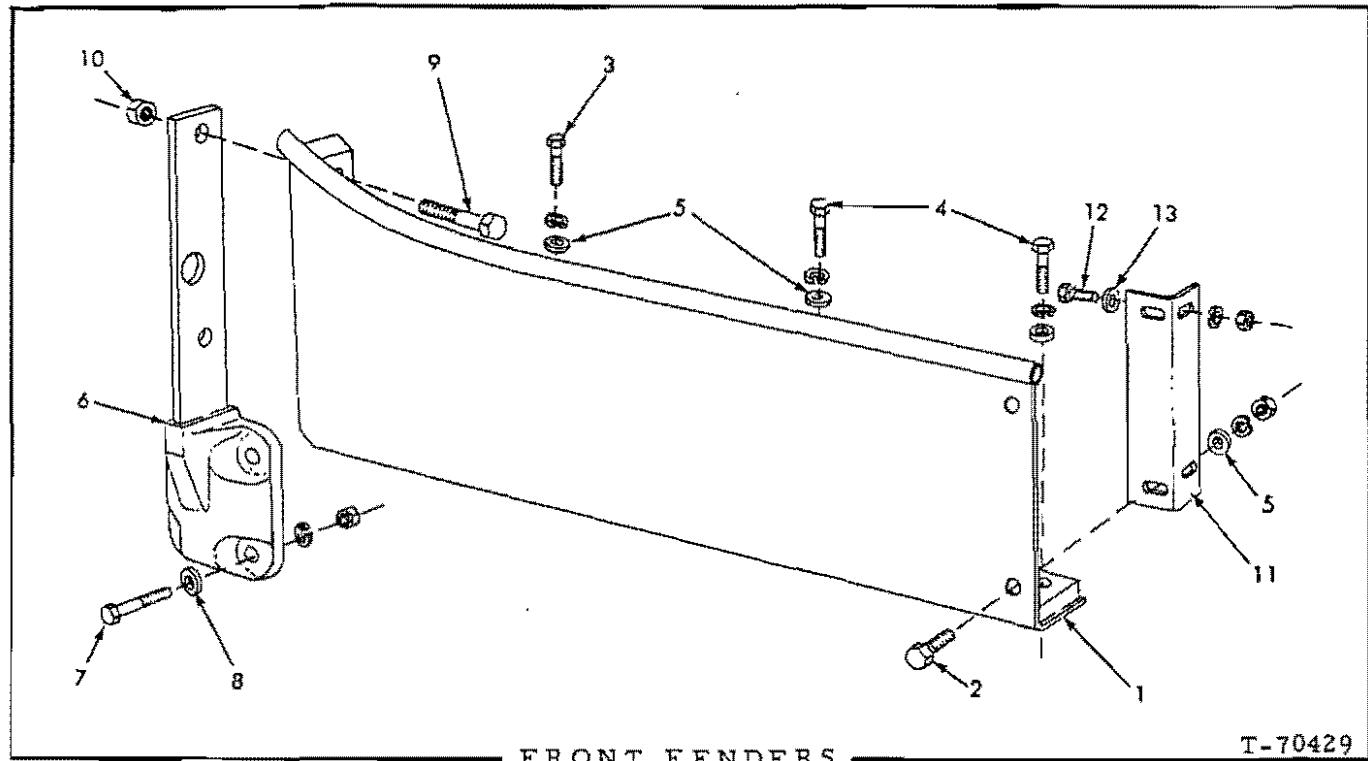
(Continued)

## RADIATOR GUARD (Continued)

(Cable type)

ITEM	PART NO.	QTY.	*	**	DESCRIPTION
15	70085395	1	1		GUIDE, cable
	70035306	2	2		CAPSCREW, 5/8"NF x 3-1/4"
	70904209	2	2		LOCKWASHER, 5/8"
	70911044	2	2		NUT, 5/8"NF
16	70085304	2	2		PLATE, bottom closure, rear
	70035018	4	4		CAPSCREW, 1/2"NF x 1-1/2"
	70904208	4	4		LOCKWASHER, 1/2"
	70064531	4	4		WASHER, plain
17	70085305	2	2		PLATE, bottom closure, front
	70035018	4	4		CAPSCREW, 1/2"NF x 1-1/2"
	70904208	4	4		LOCKWASHER, 1/2"
	70064531	4	4		WASHER, plain
18	70607461	1	1		GUARD, front
	70070272	4	4		CAPSCREW, 1"NF x 3"
	70910916	4	4		LOCKWASHER, 1"
	70911047	4	4		NUT, 1"NF
19	70641491	1	1		BAFFLE, air, lower
	70012992	5	5		CAPSCREW, 3/8"NF x 1-1/4"
	70044973	5	5		WASHER, plain
	70904206	5	5		LOCKWASHER, 3/8"
	70911041	5	5		NUT, 3/8"NF
20	70645509	1	1		BAFFLE, air, right side
	70036034	5	5		CAPSCREW, 3/8"NF x 1"
	70904206	5	5		LOCKWASHER, 3/8"
	70044973	5	5		WASHER, plain
21	70645510	1	1		BAFFLE, air, left side
	70036034	5	5		CAPSCREW, 3/8"NF x 1"
	70904206	5	5		LOCKWASHER, 3/8"
	70044973	5	5		WASHER, plain
22	70641490	1	1		BAFFLE, air, upper
	70036034	5	5		CAPSCREW, 3/8"NF x 1"
	70904206	5	5		LOCKWASHER, 3/8"
	70044973	5	5		WASHER, plain

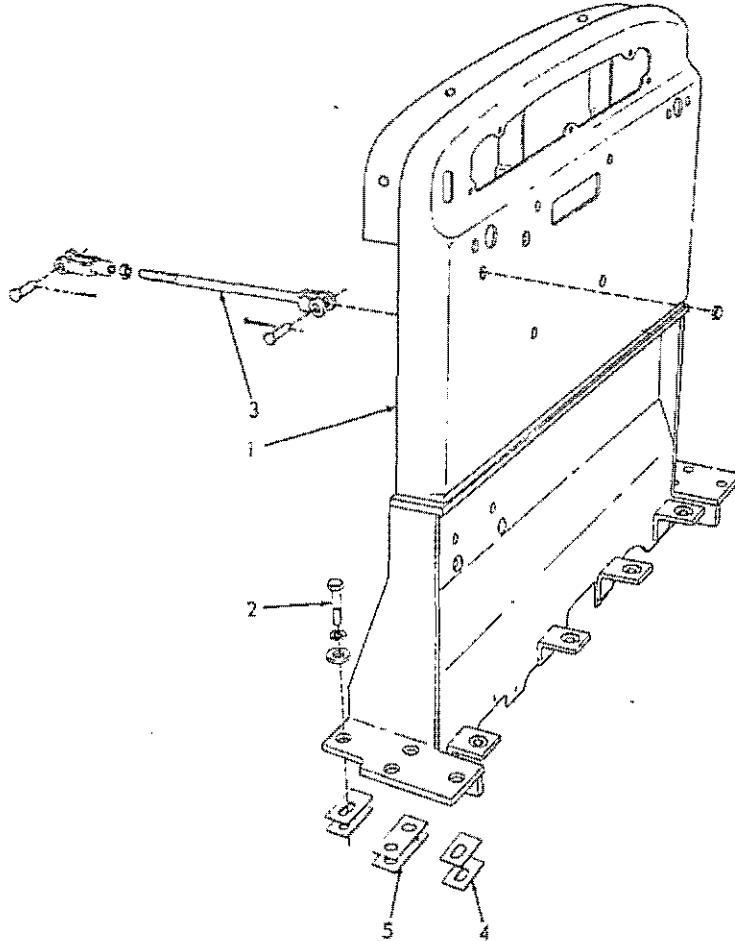
NOTE: See PAINTING AND MARKING for transfers



FRONT FENDERS

T-70429

ITEM	PART NO.	QTY.	DESCRIPTION
1	70634117	1	FENDER, left side
	70634130	1	FENDER, right side (Standard)
	70638764	1	FENDER, right side (Special. For tractors equipped with cable dozer)
2	70035018	4	CAPSCREW, 1/2"NF x 1-1/2"
3	70623696	4	CAPSCREW, Nylok, 1/2"NF x 1-1/4"
4	70657515	8	CAPSCREW, Nylok, 1/2"NF x 2"
5	70064531	16	WASHER, plain
	70904208	16	LOCKWASHER, 1/2"
	70911043	4	NUT, 1/2"NF
6	70085356	2	BRACKET, fender attachment
7	70035541	8	CAPSCREW, 5/8"NF x 3-3/4"
8	70064810	8	WASHER, plain
	70904209	8	LOCKWASHER, 5/8"
	70911044	8	NUT, 5/8"NF
9	70035423	4	CAPSCREW, fender attachment (3/4"NF x 4-1/4")
10	70012767	4	NUT, high, 3/4"NF
11	70634118	2	ANGLE, fender attachment
12	70035073	4	CAPSCREW, 1/2"NF x 1-3/4"
13	70064531	4	WASHER, plain
	70904208	4	LOCKWASHER, 1/2"
	70911043	4	NUT, 1/2"NF



T-72364

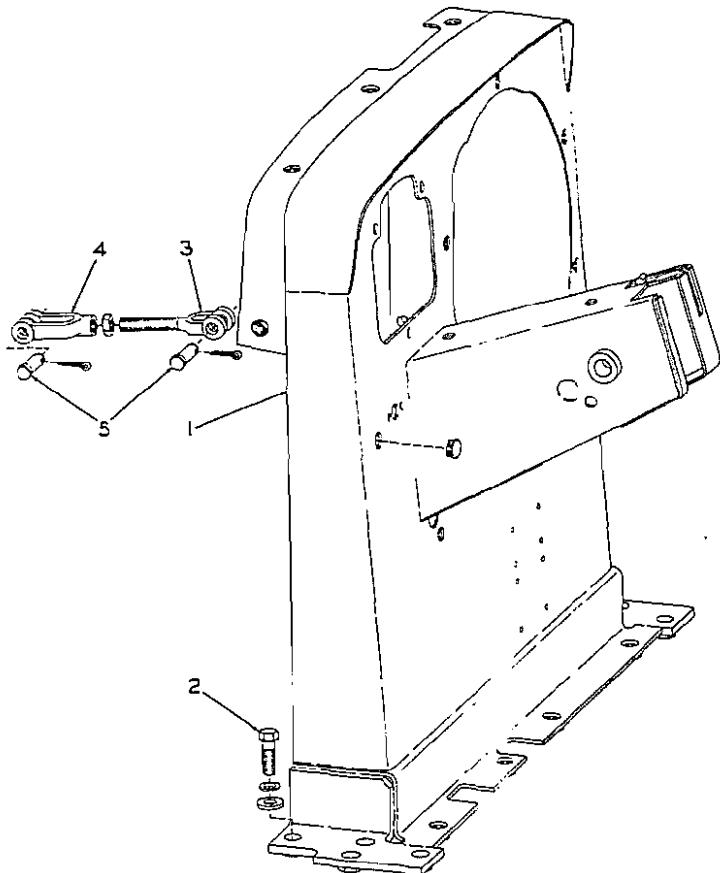
USAGE: Tractors prior to serial No.13367

ITEM PART NO. QTY. DESCRIPTION

1	70648467	1	COWL (Tractors prior to #11525)
	70650880	1	COWL (Tractors #11525 thru #12200)
	70650720	1	COWL (Tractors #12201 and up)
2	70921113	1	PLUG, button, 11/16" hole-diam. (Not used when ENGINE PRIMER is installed)
2	70035236	8	CAPSCREW, 1/2"NC x 1-3/4"
	70904208	8	LOCKWASHER, 1/2"
	70064531	8	WASHER, plain
3	70644002	1	ROD, cowl bracing
	70913830	1	NUT, jam, 1/2"NF
	70917666	1	YOKES, rod end, adjustable, 1/2"NF
	70917648	2	PIN, yoke, 1/2" diam.
	70900806	2	PIN, cotter, 1/8" x 1"
4	70642070	8	SHIM, front and rear (1/32" thick)
	70642071	4	SHIM, front and rear (1/16" thick)
5	70642072	4	SHIM, center (1/32" thick)
	70642073	2	SHIM, center (1/16" thick)

Use as required.  
Early units only.

NOTE: See PAINTING AND MARKING for transfers



T-74937

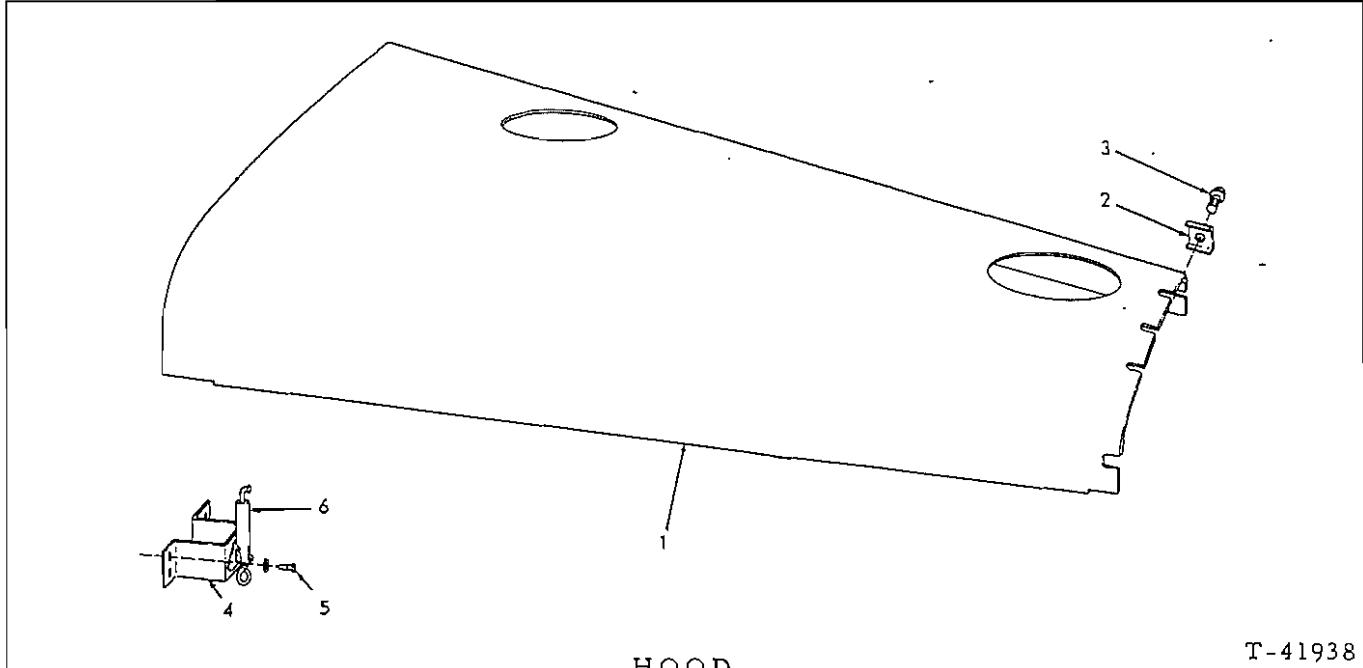
C O W L

USAGE: Tractors serial No. 13367 and up

ITEM PART NO. QTY. DESCRIPTION

1	70657871 70921113	1	COWL PLUG, button, 11/16" hole-diam. (Not used when ENGINE PRIMER is installed)
2	70035236 70904208 70064531	8	CAPSCREW, 1/2"NC x 1-3/4" LOCKWASHER, 1/2" WASHER, plain
3	70070678 70913830	1	ROD, cowl bracing NUT, jam, 1/2"NF
4	70917666	1	YODE, cowl bracing
5	70917648 70900806	2	PIN, cowl bracing yoke PIN, cotter, 1/8" x 1"

NOTE: See PAINTING AND MARKING for transfers applied to cowl.



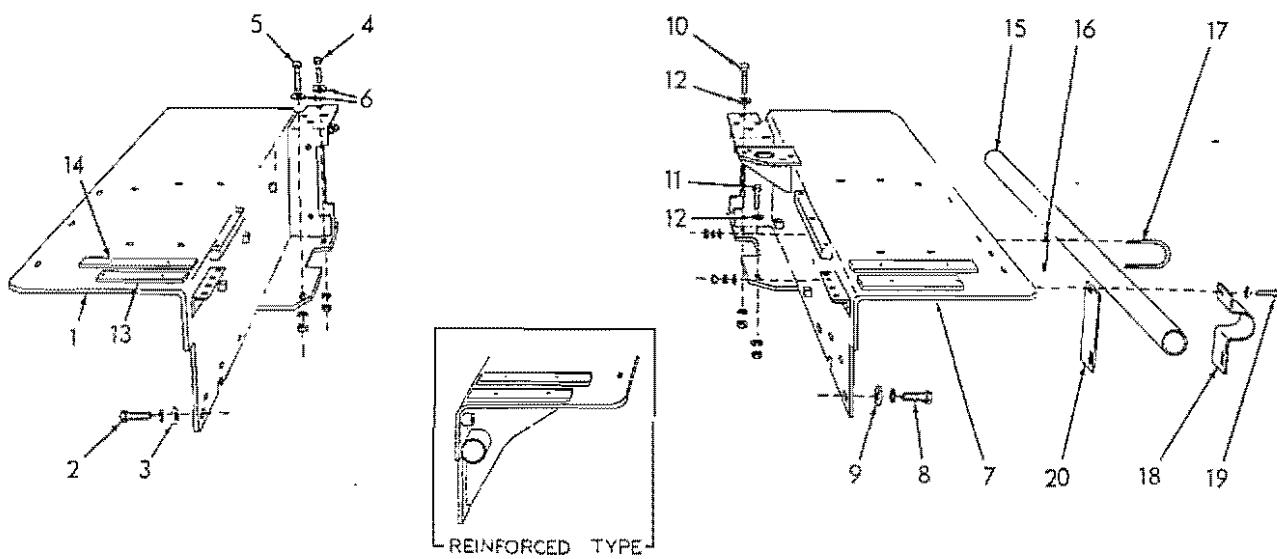
T-41938

\* Tractors prior to serial No. 13367  
 \*\* Tractors serial No. 13367 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	70644020	1	- HOOD, engine (Tractors prior to #11525)
	70650875	1	- HOOD, engine (Tractors #11525 and up)
	70657869	-	1 HOOD, engine
	70660582	-	1 HOOD, engine (Units with special air and exhaust extensions)
	70657508	1	- HOOD, engine
	70660250	-	1 HOOD, engine } For units with optional oil-bath air cleaner
2	70624416	4	5 CLIP, hood retaining
3	70623820	4	- CAPSCREW, Nylok, 1/2"NF x 1" (Early units)
	70648294	4	5 CAPSCREW, Nylok, 1/2"NC x 1" (Late units)
4	70624426	2	2 FASTENER ASSEMBLY, hold-down (Includes item 6)
	70012992	8	- CAPSCREW, 3/8"NF x 1-1/4" (Early units)
5	70013058	8	8 CAPSCREW, 3/8"NC x 1-1/4" (Late units)
	70904206	8	8 LOCKWASHER, 3/8"
6	70033060	2	2 FASTENER
	70900764	6	6 RIVET, fl-hd., 3/16" x 1/2"

NOTE: See PAINTING AND MARKING for transfers

M E M O



### REAR FENDERS

T-41939

USAGE: Tractors prior to serial No. 12201

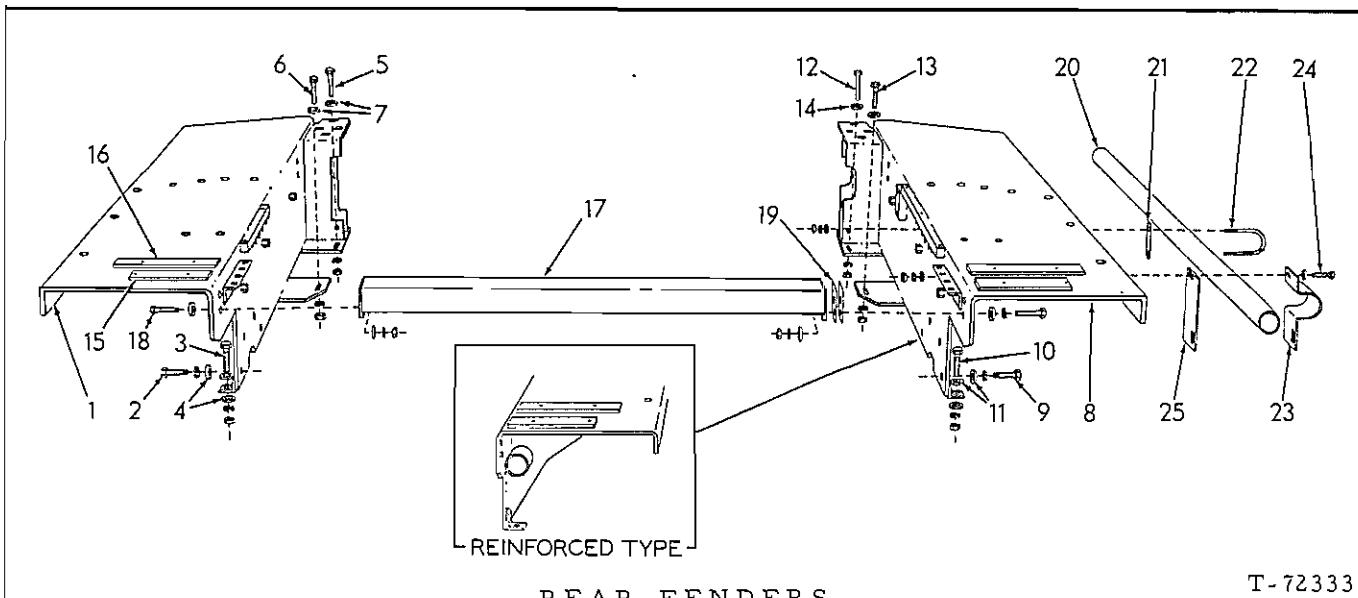
\* Standard  
\*\* Special (Reinforced type)

ITEM	PART NO.	Q.TY.	*	**	DESCRIPTION	
1	{ 70649579	1	-		FENDER ASSEMBLY, left side	
	70649595	-	1		FENDER ASSEMBLY, left side	Each includes items 13 and 14
2	70631795	4	4		CAPSCREW, Nylok, 5/8"NF x 1-3/4"	
3	70064810	4	4		WASHER, plain	
	70904209	4	4		LOCKWASHER, 5/8"	
4	70070403	2	2		CAPSCREW, 1/2"NF x 3"	
5	70035067	1	1		CAPSCREW, 1/2"NF x 2"	
6	70064531	3	2		WASHER, plain	
	70904208	3	4		LOCKWASHER, 1/2"	
	70911043	3	4		NUT, 1/2"NF	
7	{ 70649580	1	-		FENDER ASSEMBLY, right side	
	70649596	-	1		FENDER ASSEMBLY, right side	Each includes items 13 and 14
8	70631795	4	4		CAPSCREW, Nylok, 5/8"NF x 1-3/4"	
9	70064810	4	4		WASHER, plain	
	70904209	4	4		LOCKWASHER, 5/8"	
10	70070403	2	2		CAPSCREW, 1/2"NF x 3"	
11	70035067	1	1		CAPSCREW, 1/2"NF x 2"	
12	70064531	3	4		WASHER, plain	
	70904208	3	4		LOCKWASHER, 1/2"	
	70911043	3	4		NUT, 1/2"NF	
13	70640606	2	2		PAD, fuel tank (short)	
	70083915	4	4		RIVET, split, 3/16" x 3/4" (Not original equipment)	

(Continued)

## REAR FENDERS (Continued)

ITEM	PART NO.	QTY. * **	DESCRIPTION
14	70640603	2 2	PAD, fuel tank (long)
	70083915	4 4	RIVET, split, 3/16" x 3/4" (Not original equipment)
<u>NOTE:</u> Items listed below are only for tractors equipped with cable dozer using rear-mounted control unit.			
15	70638552	1 -	PIPE, cable conducting
16	70095190	3 -	SPACER, cable pipe, front
17	70641474	3 -	U-BOLT, cable pipe
	70044973	6 -	WASHER, plain
	70904206	6 -	LOCKWASHER, 3/8"
	70911041	6 -	NUT, 3/8"NF
18	70095189	1 -	CLAMP, cable pipe
19	70036039	1 -	CAPSCREW, 3/8"NF x 1-3/8"
	70044973	2 -	WASHER, plain
	70904206	1 -	LOCKWASHER, 3/8"
	70911041	1 -	NUT, 3/8"NF
20	70095192	1 -	SPACER, cable pipe, rear



T-72333

USAGE: Tractors serial No. 12201 and up

\*Standard  
\*\*Special (Reinforced type)

ITEM	PART NO.	Q.T.Y.	*	**	DESCRIPTION
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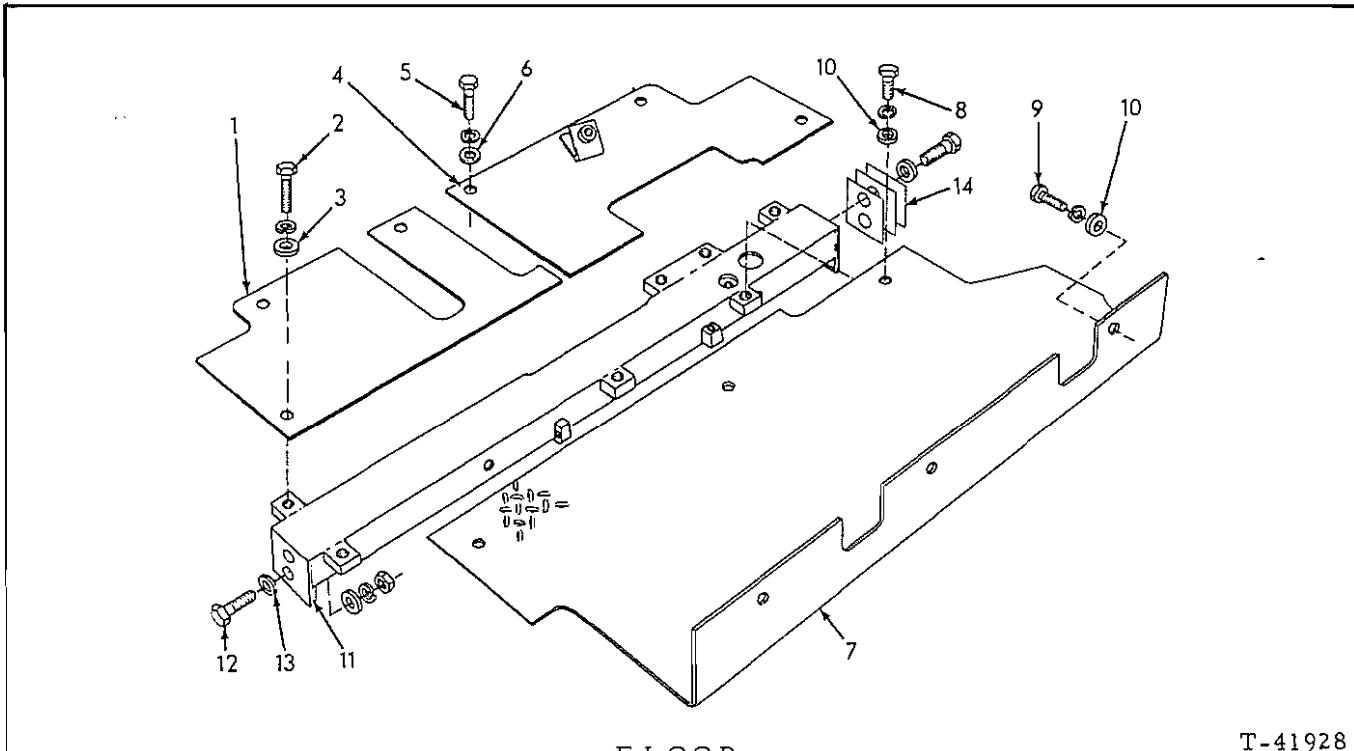
NOTE: Each Fender Assembly listed below includes items 15 and 16

1	70650163	1	-	FENDER ASSEMBLY, left side (Tractors prior to # 13367 )
	70659367	1	-	FENDER ASSEMBLY, left side (Tractors # 13367 and up)
	70651053	-	1	FENDER ASSEMBLY, left side
2	70631795	4	4	CAPSCREW, Nylok, 5/8"NF x 1-3/4"
3	70035248	2	2	CAPSCREW, 5/8"NF x 2-1/4"
4	70064810	8	8	WASHER, plain
	70904209	6	6	LOCKWASHER, 5/8"
	70911044	2	2	NUT, 5/8"NF
5	70070403	2	2	CAPSCREW, 1/2"NF x 3"
6	70035067	1	1	CAPSCREW, 1/2"NF x 2"
7	70064531	3	3	WASHER, plain
	70904208	3	3	LOCKWASHER, 1/2"
	70911043	3	3	NUT, 1/2"NF
8	70650164	1	-	FENDER ASSEMBLY, right side (Tractors prior to # 13367 )
	70659368	1	-	FENDER ASSEMBLY, rightside (Tractors # 13367 and up)
	70651054	-	1	FENDER ASSEMBLY, right side
9	70631795	4	4	CAPSCREW, Nylok, 5/8"NF x 1-3/4"
10	70035248	2	2	CAPSCREW, 5/8"NF x 2-1/4"
11	70064810	8	8	WASHER, plain
	70904209	6	6	LOCKWASHER, 5/8"
	70911044	2	2	NUT, 5/8"NF
12	70070403	2	2	CAPSCREW, 1/2"NF x 3"
13	70035067	1	1	CAPSCREW, 1/2"NF x 2"
14	70064531	3	3	WASHER, plain
	70904208	3	3	LOCKWASHER, 1/2"
	70911043	3	3	NUT, 1/2"NF

(Continued)

## REAR FENDERS (Continued)

ITEM	PART NO.	QTY. *    **	DESCRIPTION
15	70640606 70083915	2    4	PAD, fuel tank (short) RIVET, split, 3/16" x 3/4" (Not original equipment)
16	70640603 70083915	2    4	PAD, fuel tank (long) RIVET, split, 3/16" x 3/4" (Not original equipment)
17	70650819	1    1	ANGLE, fender bracing (Also see FUEL TANK AND SEAT GUARD for optional angle)
18	70035067 70064531 70904208 70911043	4    8    4    4	CAPSCREW, 1/2"NF x 2" WASHER, plain LOCKWASHER, 1/2" NUT, 1/2"NF
19	70650823 70650822	2    1	SHIM, bracing angle (1/16" thick) SHIM, bracing angle (1/8" thick)
			<u>NOTE:</u> Items listed below are only for tractors equipped with cable dozer
20	70638552	1    -	PIPE, cable conducting
21	70095190	3    -	SPACER, cable pipe, front
22	70641474 70044973 70904206 70911041	3    6    6    6	U-BOLT, cable pipe WASHER, plain LOCKWASHER, 3/8" NUT, 3/8"NF
23	70095189	1    -	CLAMP, cable pipe
24	70036039 70044973 70904206 70911041	1    2    1    1	CAPSCREW, 3/8"NF x 1-3/8" WASHER, plain LOCKWASHER, 3/8" NUT, 3/8"NF
25	70095192	1    -	SPACER, cable pipe, rear

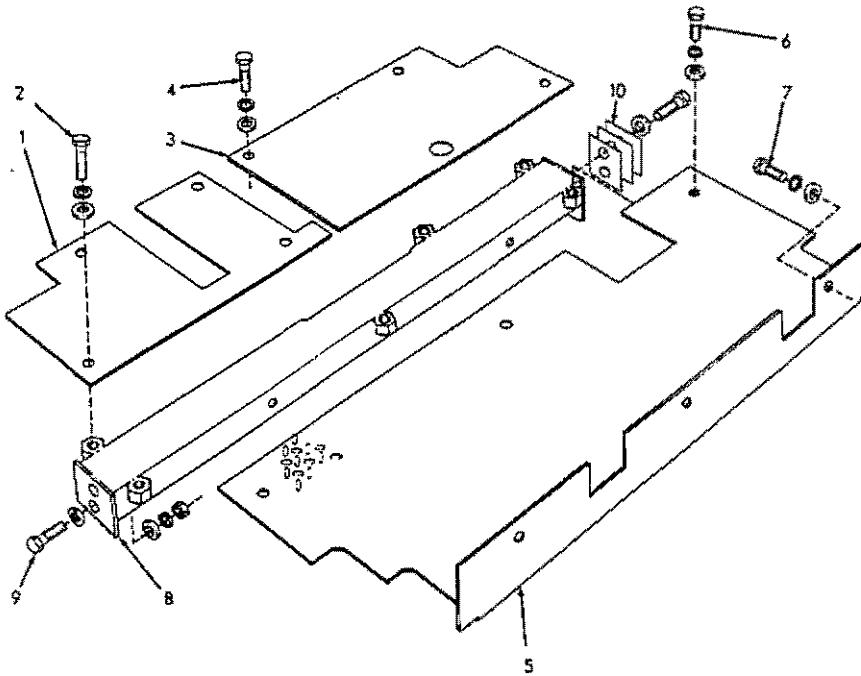


T-41928

USAGE: Tractors prior to serial No. 12201

ITEM PART NO. QTY. DESCRIPTION

1	70646017	1	PLATE, front, left section
2	70035061	3	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	3	LOCKWASHER, 1/2"
3	70064531	3	WASHER, plain
4	70649158	1	PLATE, front, right section
5	70035061	3	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	3	LOCKWASHER, 1/2"
6	70064531	3	WASHER, plain
7	70634616	1	PLATE, rear
8	70035061	3	CAPSCREW, 1/2"NC x 1-1/4"
9	70035190	3	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	6	LOCKWASHER, 1/2"
10	70092163	6	WASHER, plain
11	70649160	1	CHANNEL, supporting
	70035067	4	CAPSCREW, 1/2"NF x 2"
	70035073	4	CAPSCREW, 1/2"NF x 1-3/4" (Early units with reinforced Rear Fenders)
12	{ 70035236	4	CAPSCREW, 1/2"NC x 1-3/4" (Late units with reinforced Rear Fenders)
13	70064531	8	WASHER, plain
	70904208	4	LOCKWASHER, 1/2"
	70911043	4	NUT, 1/2"NF (Not used on units with reinforced Rear Fenders)
14	{ 70642167	1	SHIM, supporting channel (1/8" thick)
	70642168	2	SHIM, supporting channel (1/16" thick)



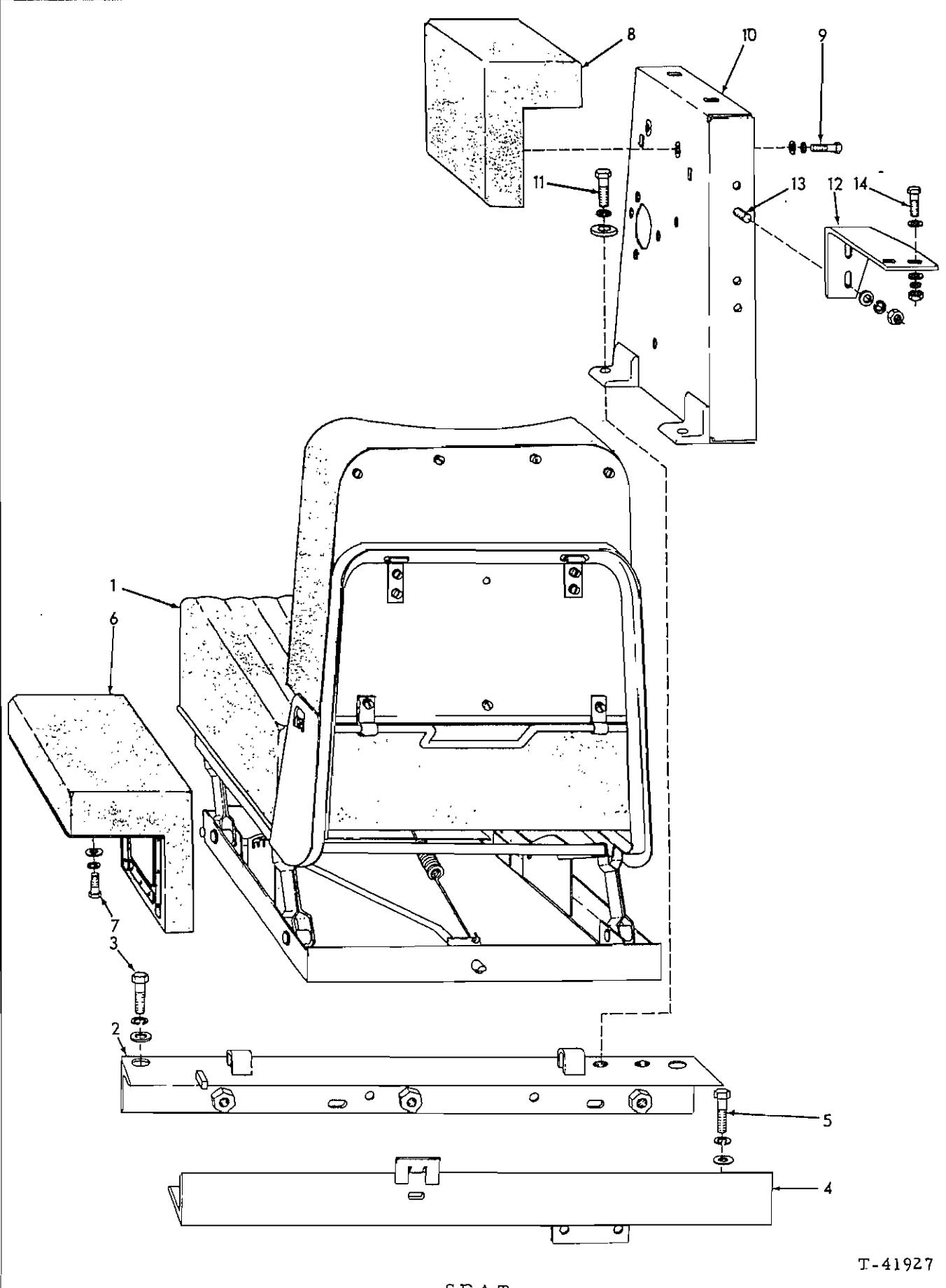
T-72334

FLOOR

USAGE: Tractors serial No. 12201 and up

ITEM PART NO. QTY. DESCRIPTION

1 {	70650047	1	PLATE, front, left section (Tractors prior to # 13367 )
	70657866	1	PLATE, front, left section (Tractors # 13367 and up)
2	70035061	4	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	4	LOCKWASHER, 1/2"
	70064531	4	WASHER, plain
3 {	70650601	1	PLATE, front, right section (Tractors prior to # 13367 )
	70657864	1	PLATE, front, right section (Tractors # 13367 and up)
4	70035061	3	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	3	LOCKWASHER, 1/2"
	70064531	3	WASHER, plain
5	70650048	1	PLATE, rear
6	70035061	3	CAPSCREW, 1/2"NC x 1-1/4"
7	70035190	3	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	6	LOCKWASHER, 1/2"
	70092163	6	WASHER, plain
8	70650072	1	CHANNEL, supporting
-	70035067	4	CAPSCREW, 1/2"NF x 2"
-	70035236	4	CAPSCREW, 1/2"NC x 1-3/4" (Units with reinforced rear fenders)
9 {	70064531	8	WASHER, plain (4 less on units with reinforced rear fenders)
	70904208	4	LOCKWASHER, 1/2"
	70911043	4	NUT, 1/2"NF (Not used on units with reinforced rear fenders)
10 {	70642167	1	SHIM, supporting channel (1/8" thick)
	70642168	2	SHIM, supporting channel (1/16" thick)

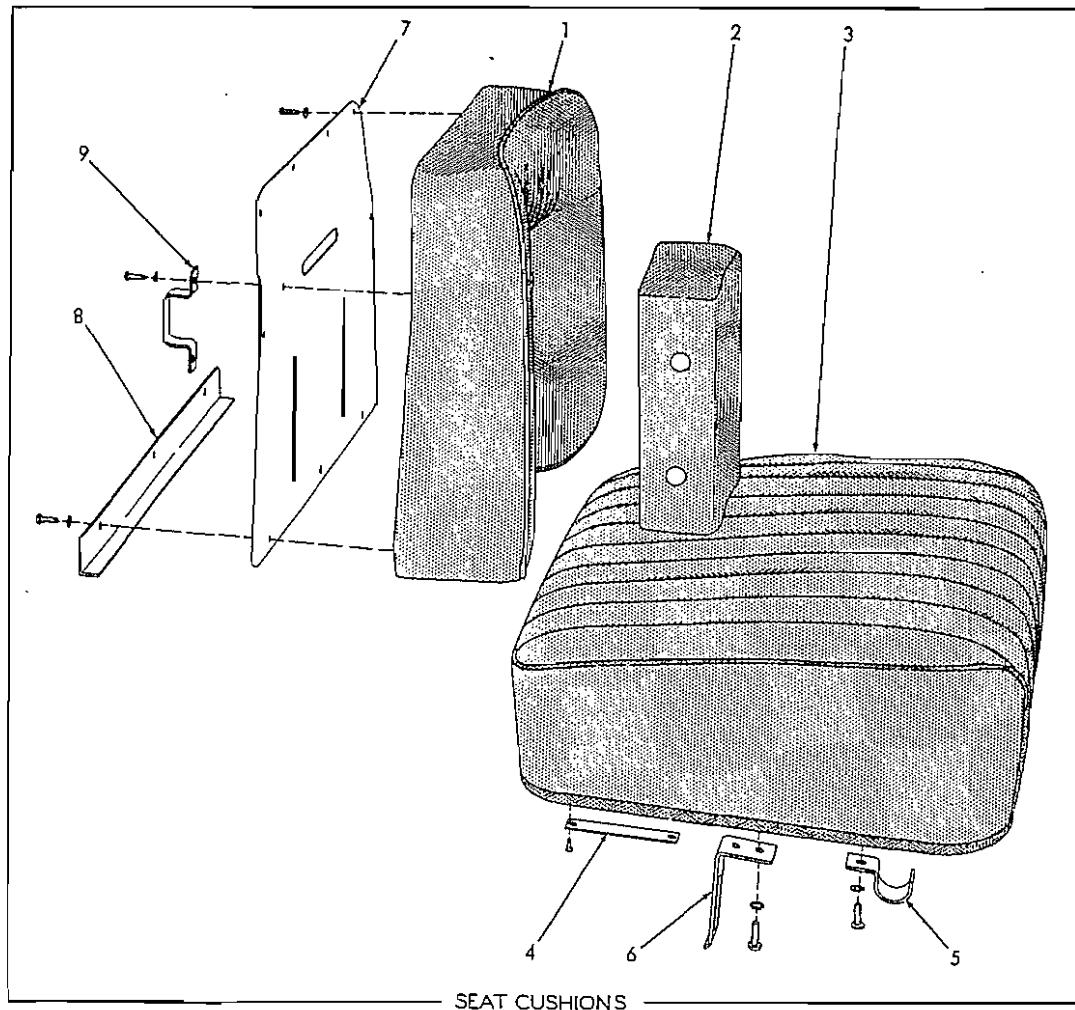


T-41927

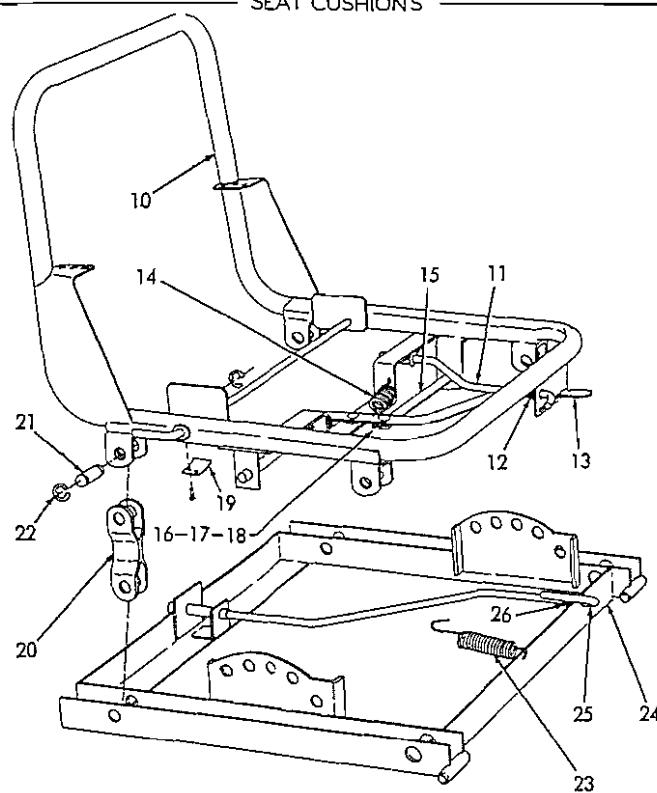
SEAT

## SEAT

ITEM	PART NO.	QTY.	DESCRIPTION
1	70632053	1	SEAT ASSEMBLY (See page 313 for parts)(Used prior to September 1965. Order SEAT ASSEMBLY 659093)
	70659093	1	SEAT ASSEMBLY (See page 315 for parts)(Effective September 1965)
2	70649328	1	ANGLE, seat supporting, front
3	70035073	2	CAPSCREW, 1/2"NF x 1-3/4"
	70904208	2	LOCKWASHER, 1/2"
	70064531	2	WASHER, plain
4	70634609	1	ANGLE, seat supporting, rear
5	70035073	2	CAPSCREW, 1/2"NF x 1-3/4"
	70904208	2	LOCKWASHER, 1/2"
	70064531	2	WASHER, plain
6	70632179	1	CUSHION, arm rest, left side
7	70919331	4	CAPSCREW, 3/8"NF x 1"
	70916965	4	LOCKWASHER, 3/8"
	70920743	4	WASHER, plain
8	70632188	1	CUSHION, arm rest, right side
9	70919331	4	CAPSCREW, 3/8"NF x 1"
	70916965	4	LOCKWASHER, 3/8"
	70920743	4	WASHER, plain
10	70649115	1	SUPPORT, right arm rest cushion
11	70035190	4	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	4	LOCKWASHER, 1/2"
	70064531	4	WASHER, plain
12	70634249	1	ANGLE, bracing, right arm rest support
13	70036034	2	CAPSCREW, 3/8"NF x 1"
14	70035336	2	CAPSCREW, 3/8"NF x 1-1/2"
	70044973	6	WASHER, plain
	70904206	4	LOCKWASHER, 3/8"
	70911041	4	NUT, 3/8"NF
15	70657564	1	BELT, safety (Special equipment. Not illustrated)



SEAT CUSHIONS



T-39321

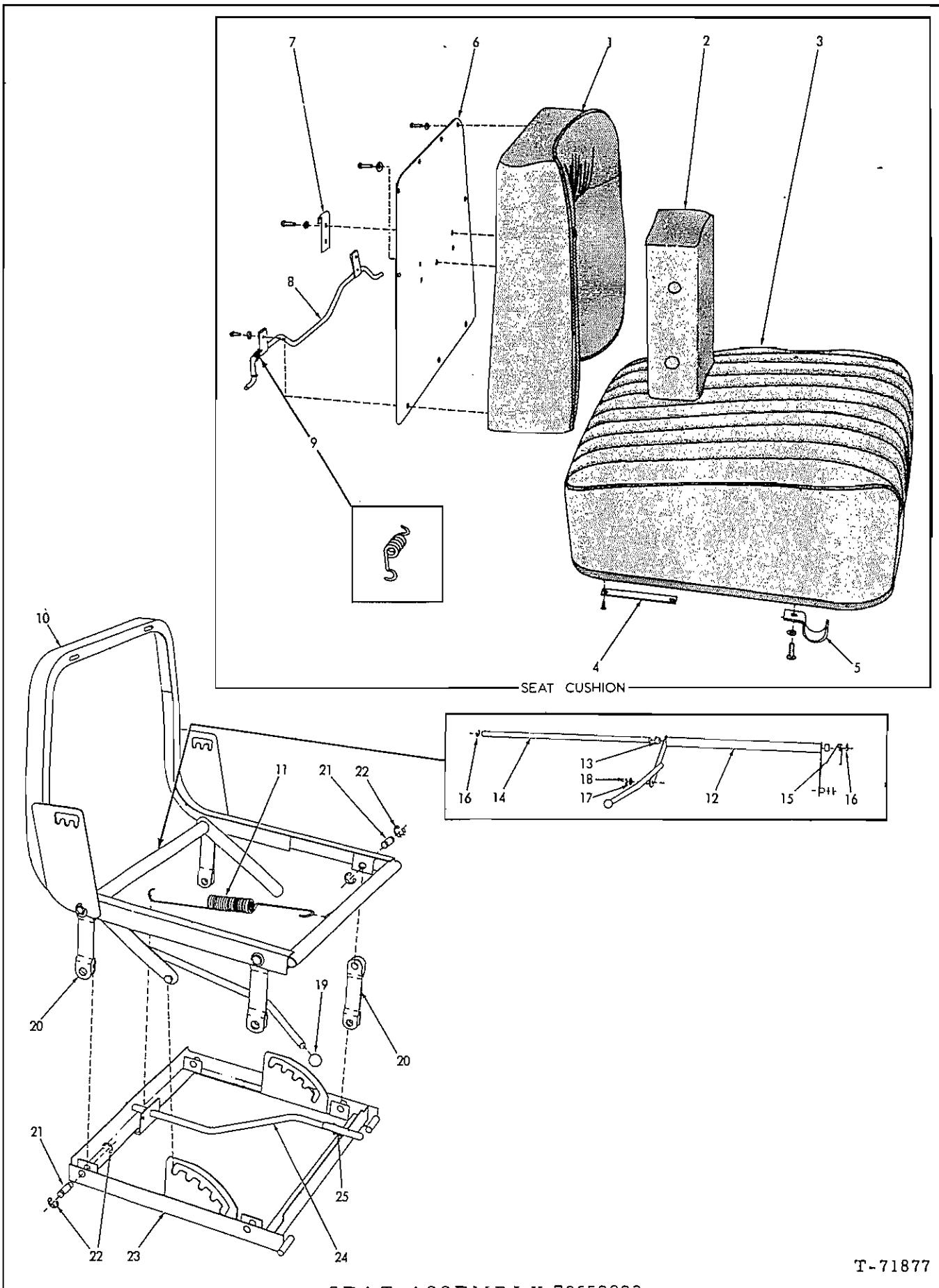
SEAT ASSEMBLY 70632053

## SEAT ASSEMBLY 70632053

USAGE: On units prior to September 1965. See page 257.

## ITEM PART NO. QTY. DESCRIPTION

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)
	70642498	1	COVER, slip, back cushion (Includes fastenings) (Not original equipment)
3	70638420	1	CUSHION ASSEMBLY, 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	70638369	1	STOP, seat cushion locking rod
	70916532	2	SCREW, machine, rd-hd., 1/4"NC x 3/4"
	70914105	2	LOCKWASHER, ext-tooth, 1/4"
7	70638370	1	PLATE, reinforcing, back cushion
	70916532	7	SCREW, machine, rd-hd., 1/4"NC x 3/4"
	70914105	7	LOCKWASHER, ext-tooth, 1/4"
8	70638427	1	SUPPORT, back cushion
	70916532	3	SCREW, machine, rd-hd., 1/4"NC x 3/4"
	70914105	3	LOCKWASHER, ext-tooth, 1/4"
9	70638435	2	BRACKET, retaining, back cushion
	70916532	4	SCREW, machine, rd-hd., 1/4"NC x 3/4"
	70914105	4	LOCKWASHER, ext-tooth, 1/4"
10	70638468	1	FRAME ASSEMBLY, seat (Includes items 11 thru 19)
11	70638425	1	ROD, locking, seat cushion
	70911115	2	WASHER, plain, SAE std., 3/8"
	70900801	2	PIN, cotter, 3/32" x 3/4"
12	70638429	1	SPRING, seat cushion locking rod
13	70638363	1	STRAP, operating, seat position
14	70638428	2	SPRING, seat position operating strap
15	70638426	2	ROD, locking, seat position
16	70638430	3	PIN, seat position locking rod
17	70628001	3	WASHER, spacing, seat position rod
18	70638354	3	WASHER, retaining, seat position rod pin
19	70638433	1	SPRING, cushion height adjuster
	70914197	2	SCREW, thd-cutting, rd-hd., #6 x 3/8"
20	70638423	4	LINK, suspension, seat frame
21	70638434	8	PIN, seat frame suspension lever
22	70638351	16	RING, locking, suspension lever pin
23	70638424	1	SPRING, retracting, seat frame
24	70638371	1	FRAME ASSEMBLY, base (Includes items 25 and 26)
25	70639975	1	ROD, seat release
	70910335	1	WASHER, plain, SAE std., 5/16"
	70900801	2	PIN, cotter, 3/32" x 3/4"
26	70638429	1	SPRING, seat release rod



T-71877

SEAT ASSEMBLY 70659093

## SEAT ASSEMBLY 70659093

USAGE: On units after August 1965. See page 311

## ITEM PART NO. QTY. DESCRIPTION

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 ASSEMBLY, 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	6	SCREW, machine, rd-hd., 1/4"NC x 3/4"
	70914105	6	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 ASSEMBLY, 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"
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 ASSEMBLY, 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

(Revised May 1979)

PAINTING AND MARKING  
(Not illustrated)

ITEM PART NO. QTY. DESCRIPTION

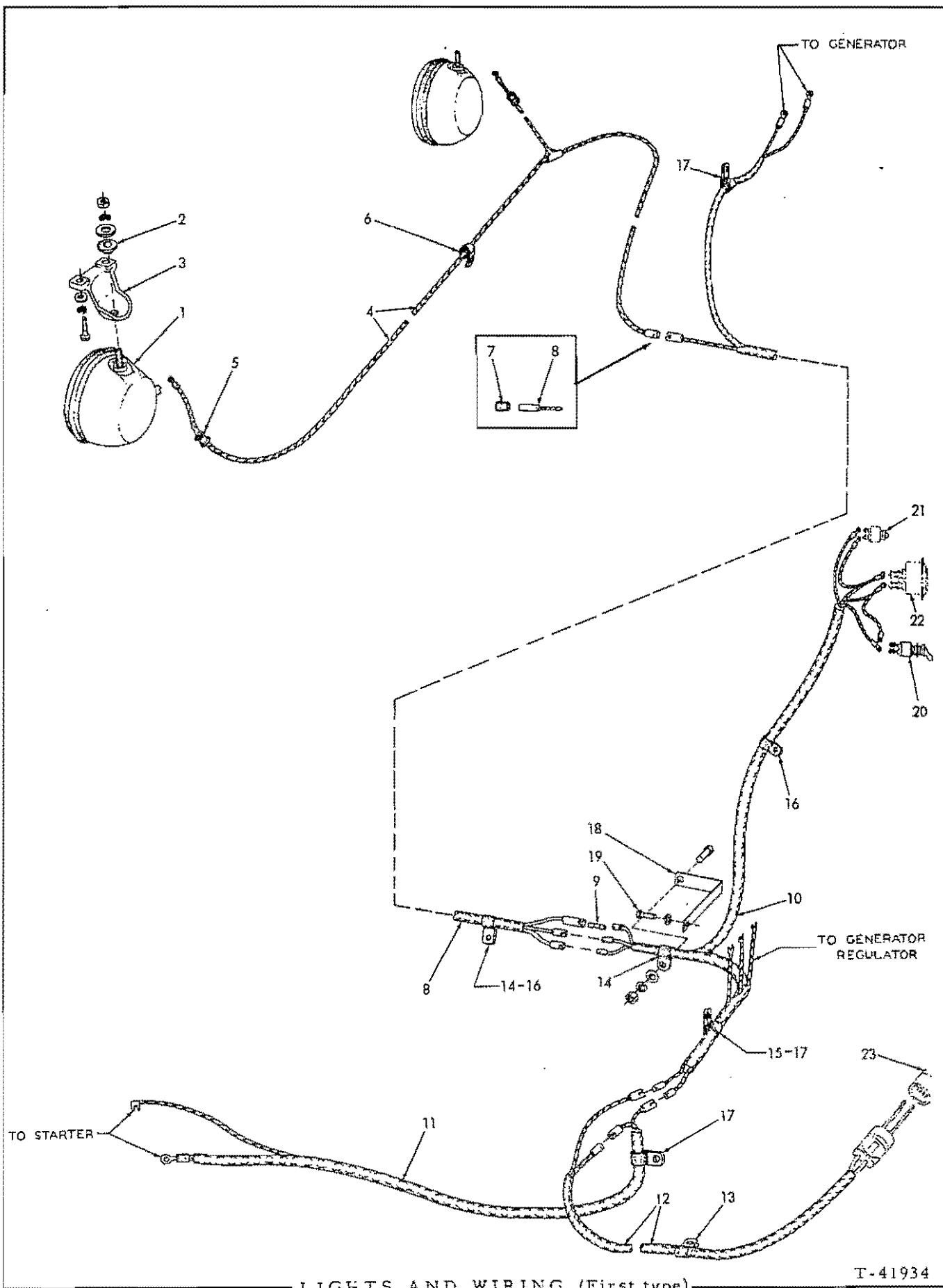
		<u>NOTE:</u> Approximately 4 gallons paint required for spraying one coat
1	70925109	- ENAMEL, yellow, quart can
2	70925110	- ENAMEL, yellow, gallon can
3	70925108	- ENAMEL, yellow, 12 oz. pressurized spray-type can
		NOTE: All plates and transfers listed below are English language printings unless otherwise indicated
4	70639994	1 PLATE, lubrication and service guide (7" x 10") (Tractors prior to #12201)
	70651446	1 PLATE, lubrication and service guide (7" x 10") (Tractors #12201 thru #13366)
	70664753	1 PLATE, lubrication and service guide (7" x 10") (Tractors #13367 and up)
	70644515	1 PLATE, lubrication and service guide (Tractors prior to #12201)
	70651526	1 PLATE, lubrication and service guide (Tractors #12201 thru 13366)
	70664754	1 PLATE, lubrication and service guide (Tractors #13367 and up)
5	70034076	4 SCREW, thread-cutting, cross-recessed-hd., #8 x 1/2" (2 additional required for multi-language plates)
6	70621357	1 TRANSFER, lubrication certification (3-7/8" x 6-3/4") (Applied to left battery box)
7	70924548	2 <input type="checkbox"/> TRANSFER, "ALLIS-CHALMERS" (1-1/4" x 20") (Applied to sides of seat on units prior to March 1968)
8	70924550	1 <input type="checkbox"/> TRANSFER, "ALLIS-CHALMERS" (1-7/8" x 30") (Applied to front of radiator guard)
9	70924551	2 <input type="checkbox"/> TRANSFER, "ALLIS-CHALMERS" (2-1/4" x 36") (Applied to sides of hood)
10	70924552	1 <input type="checkbox"/> TRANSFER, "ALLIS-CHALMERS" (2-3/8" x 39") (Applied to rear of seat)
11	70661225	3 <input type="checkbox"/> TRANSFER, "HD11" (6" x 12 - 1/2") (Applied to sides of seat and to rear of fuel tank)
12	70632261	2 TRANSFER, "TORQUE CONVERTER-POWER SHIFT" design (Applied to sides of seat)
13	70644625	1 <input type="checkbox"/> TRANSFER, instruction, fuel filter (1-3/4" x 2-1/4") (Applied to 1st stage fuel filter)
	70644741	1 TRANSFER, instruction, fuel filter (multi-language, 3-3/4" x 3-1/4") (Applied to 1st stage fuel filter)
13A	70666497	1 TRANSFER, instruction, engine operation (2-1/4" x 4-1/2") (Applied to dash)

(Continued)

PAINTING AND MARKING (Continued)  
(Not illustrated)

ITEM	PART NO.	QTY.	DESCRIPTION	
14	70644593	1	<input type="checkbox"/> TRANSFER, instruction, fuel filter (1-3/4" x 2-1/4") (Applied to 2nd stage fuel filter)	Tractors prior to #12201
	70644740	1	TRANSFER, instruction, fuel filter (multi-language, 1-3/4" x 5-1/2") (Applied to 2nd stage fuel filter)	
15	70621343	2	<input type="checkbox"/> TRANSFER, instruction, oil filter (2-5/16" x 3-1/4") (Applied to engine oil filter)	
	70633627	2	TRANSFER, instruction, oil filter (multi-language, 4" x 4-3/4") (Applied to engine oil filter)	
16	70632226	1	TRANSFER, instruction, oil filter (1-3/4" x 2-1/4") (Applied to FILTER ASSEMBLY 633797 or 631542)	
17	70644534	1	TRANSFER, instruction, oil filter (1-3/4" x 2-1/4") (Applied to FILTER ASSEMBLY 637865)	
18	70651894	1	TRANSFER, instruction, air cleaner cartridge replacement (1-5/16" x 2-7/16") (Applied to air restriction indicator on units with dry-type air cleaner)	
19	70644537	1	<input type="checkbox"/> TRANSFER, instruction, dry-type air cleaner (4" x 4") (Applied to dash on units with "Farr" cleaner only)	
	70659534	1	TRANSFER, instruction, dry-type air cleaner (2-1/2" x 5") (Applied) to air stack on units with "Donaldson" cleaner only)	
	70656642	1	TRANSFER, instruction, oil-bath air cleaner (1-1/2" x 3-3/4") (Applied to cleaner)	
20	70621342	1	<input type="checkbox"/> TRANSFER, instruction, engine primer (1-3/4" x 6") (Applied to dash)	
21	70633384	1	<input type="checkbox"/> TRANSFER, instruction, air heater operation (2" x 6") (Applied to dash)	
	70074579	1	TRANSFER, instruction, air heater operation (Spanish translation, 2" x 6") (Applied to dash)	
22	70621399	1	TRANSFER, warning, special heavy-duty oil filter (2" x 10"). Includes Portuguese translation) (Applied to filter)	
	70621400	1	TRANSFER, warning, special heavy-duty oil filter (2" x 10"). French and Spanish translation) (Applied to filter)	
23	70650587	1	<input type="checkbox"/> TRANSFER, turbocharger, altitude warning (1-3/4" x 3-1/2") (Applied to dash)	
24	70924320	1	<input type="checkbox"/> TRANSFER, trademark (6-3/4", black and orange)	Applied to rear of fuel tank
	70924541	1	TRANSFER, trademark (6-3/4", white) (Optional)	
25	70924306	2	<input type="checkbox"/> TRANSFER, trademark (7-3/4", black and orange)	Applied to sides of radiator guard
	70924463	2	TRANSFER, trademark (7-3/4", white) (Optional)	
26	70651890	1	TRANSFER KIT (Consists of one each TRANSFERS 70924320, 70924550, 70924552, 70621342, 70621343, 70633384, 70644537, 70644593, 70644625, 70650587; two each TRANSFERS 70924306, 70924548, 70924551; three TRANSFERS 70665154)	

Components of item 26

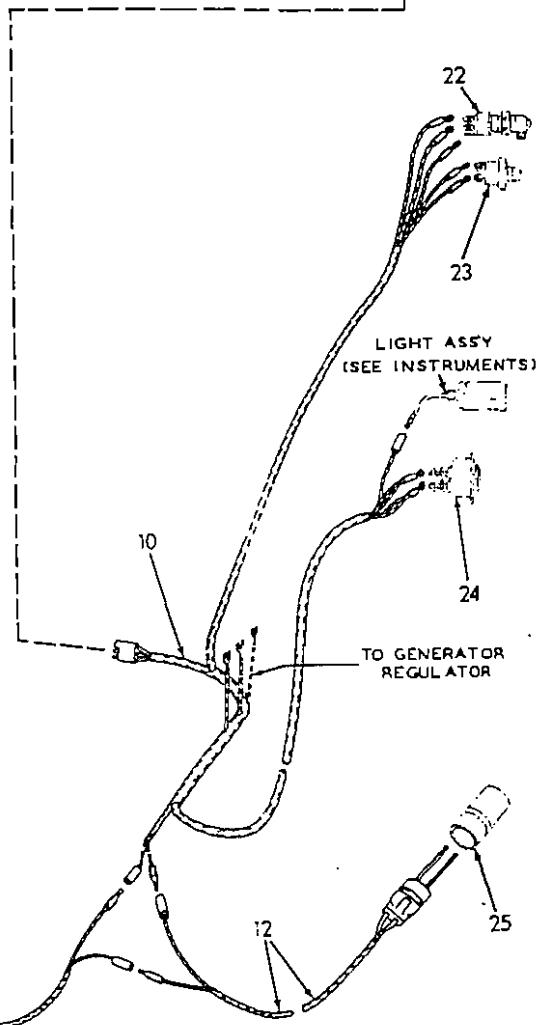
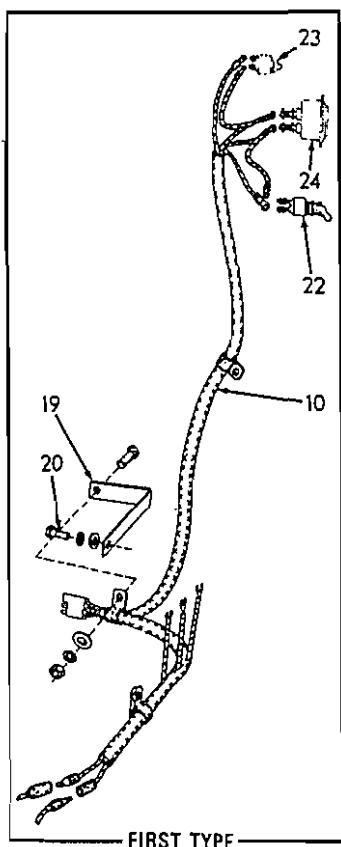
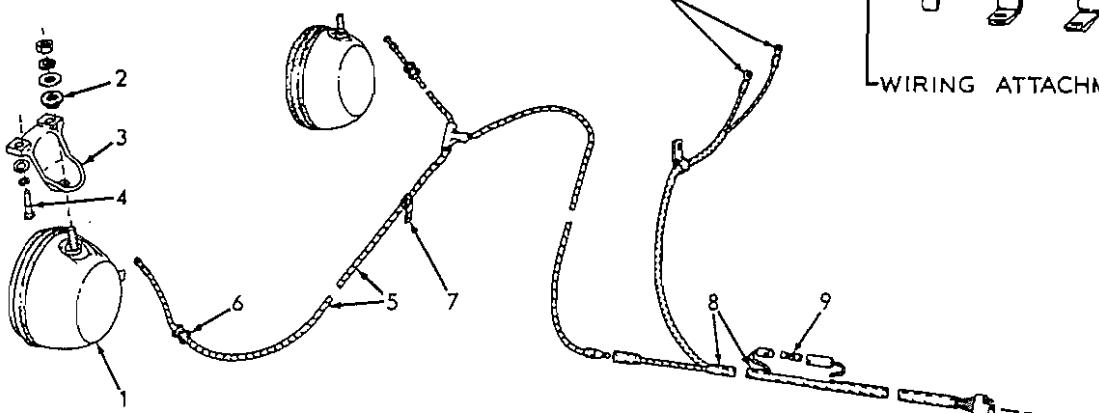


LIGHTS AND WIRING  
(Positive ground)

USAGE: Tractors prior to serial No. 12201

ITEM	PART NO.	QTY.	DESCRIPTION
1	70638263	2	*LIGHT ASSEMBLY, head (See page 323 for parts)
	70900818	2	*WASHER, plain, U.S. std., 1/2"
	70904208	2	*LOCKWASHER, 1/2"
	70911043	2	*NUT, 1/2"NF
2	70075535	2	*WASHER, head light mounting
3	70093195	2	*BRACKET, head light mounting
	70035336	4	*CAPSCREW, 3/8"NF x 1-3/4" (For inside mounting)
	70053616	4	*CAPSCREW, 3/8"NC x 1-3/4" (For outside mounting)
	70904206	4	*LOCKWASHER, 3/8"
	70044973	4	*WASHER, plain
4	70646472	1	*CABLE, head light to main wiring harness
5	70044810	2	*GROMMET, head light cable (Used only when lights are mounted on top of radiator guard)
6	70640677	10	*CLIP, head light cables (1/4" diam., 13/32" bolt-hole)
	70035979	5	CAPSCREW, 3/8"NF x 5/8"
	70911168	1	CAPSCREW, 3/8"NC x 5/8"
	70904206	6	LOCKWASHER, 3/8"
7	70638243	1	TIP, cable socket (rubber)(Used only on units without head lights)
8	70633655	1	HARNESS, wiring, front section
9	70208960	1	FUSE, cartridge type, 1/4" x 1-1/4", 20 amperes
10	70634243	1	HARNESS, wiring, rear section
11	70642412	1	HARNESS, wiring, starter control
12	70634505	1	HARNESS, wiring, safety switch
13	70640674	2	CLIP, safety switch harness (5/16" diam., 9/32" bolt-hole)
	70912789	1	CAPSCREW, 1/4"NF x 3/4"
	70904204	1	LOCKWASHER, 1/4"
	70911040	1	NUT, 1/4"NF
14	70640675	4	CLIP, wiring harness (3/8" diam., 17/32" bolt-hole)
	70035718	1	CAPSCREW, 1/2"NC x 3/4"
	70904208	1	LOCKWASHER, 1/2"
	70036034	1	CAPSCREW, 3/8"NF x 1"
	70911115	1	WASHER, plain, SAE std., 3/8"
	70904206	1	LOCKWASHER, 3/8"
	70911041	1	NUT, 3/8"NF
15	70094527	1	CLIP, rear wiring harness (1/2" diam., 13/32" bolt-hole)
16	70639314	3	CLIP, wiring harness (3/8" diam., 13/32" bolt-hole)
	70916268	1	CAPSCREW, 3/8"NC x 5/8"
	70904206	1	LOCKWASHER, 3/8"
17	70640677	3	CLIP, wiring harness (1/4" diam., 13/32" bolt-hole)
	70036032	1	CAPSCREW, 3/8"NF x 3/4"
	70035439	1	CAPSCREW, 3/8"NC x 1"
	70904206	2	LOCKWASHER, 3/8"
18	70649493	1	ANGLE, harness supporting
19	70035439	1	CAPSCREW, 3/8"NC x 1"
	70904206	1	LOCKWASHER, 3/8"
20	70561345	1	SWITCH (Includes mounting nuts)
21	-----	-	SWITCH, push-button (See STARTER)
22	-----	-	AMMETER (See INSTRUMENTS)
23	-----	-	SWITCH, safety (See SPEED CONTROL LINKAGE)

\*Special equipment



LIGHTS AND WIRING (Second type)

T-72335

LIGHTS AND WIRING  
(Negative ground)

\* Tractors serial No. 12201 thru 13366  
\*\* Tractors serial No. 13367 and up

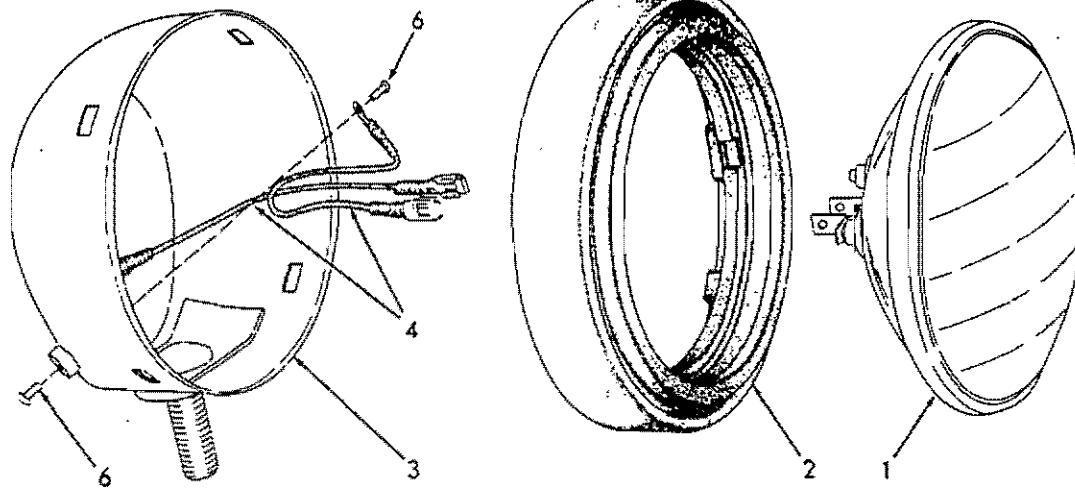
ITEM	PART NO.	QTY.	*	**	DESCRIPTION
1	70638283	2	2		*LIGHT ASSEMBLY, head (See page 323 for parts)
	70900818	2	2		*WASHER, plain, U.S. std., 1/2"
	70904205	2	2		*LOCKWASHER, 1/2"
	70911043	2	2		*NUT, 1/2"NF
2	70075535	2	2		*WASHER, head light mounting
3	70093195	2	2		*BRACKET, head light mounting
4	{ 70035336	4	4		*CAPSCREW, 3/8"NF x 1-3/4" (For inside mounting)
	70053616	4	4		*CAPSCREW, 3/8"NC x 1-3/4" (For outside mounting)
	70904206	4	4		*LOCKWASHER, 3/8"
	70044973	4	4		*WASHER, plain
5	70649733	1	1		*CABLE, head light to main wiring harness
6	70044810	2	2		*GROMMET, head light cable (Used only when lights are mounted on top of radiator guard)
7	70640677	10	10		*CLIP, head light cables (1/4" diam., 13/32" bolt-hole)
	70035979	5	5		CAPSCREW, 3/8"NF x 5/8"
	70916268	1	1		CAPSCREW, 3/8"NC x 5/8"
	70904206	6	6		LOCKWASHER, 3/8"
8	70649740	1	1		HARNESS ASSEMBLY, wiring, front section (Includes item 9)
9	70208960	1	1		FUSE, cartridge type, 1/4" x 1-1/4", 20 amperes
10	{ 70649742	1	-		HARNESS, wiring, rear section
	70658789	-	1		HARNESS, wiring, rear section
11	70649739	1	1		HARNESS, wiring, starter control
12	70658422	1	1		HARNESS, wiring, safety switch
	70640674	2	-		CLIP, safety switch harness (5/16" diam., 9/32" bolt-hole) (Tractors prior to #12563)
	70912789	1	-		CAPSCREW, 1/4"NF x 3/4"
	70904204	1	-		LOCKWASHER, 1/4"
	70911040	1	-		NUT, 1/4"NF
13	{ 70640675	1	1		CLIP, safety switch harness (3/8" diam., 17/32" bolt-hole)
	70910244	1	1		WASHER, plain, SAE std., 1/2"
	70640676	2	2		CLIP, safety switch harness (5/16" diam., 13/32" bolt-hole) (Tractors #12563 and up)
	70910335	2	2		WASHER, plain, SAE std., 5/16"
14	70640675	4	3		CLIP, wiring harness (3/8" diam., 17/32" bolt-hole)
	70916309	1	1		CAPSCREW, 1/2"NC x 3/4"
	70904208	1	1		LOCKWASHER, 1/2"
	70916225	1	-		CAPSCREW, 3/8"NF x 1"
	70911115	1	-		WASHER, plain, SAE std., 3/8"
	70904206	1	-		LOCKWASHER, 3/8"
	70911041	1	-		NUT 3/8"NF

(Continued)

LIGHTS AND WIRING (Continued)

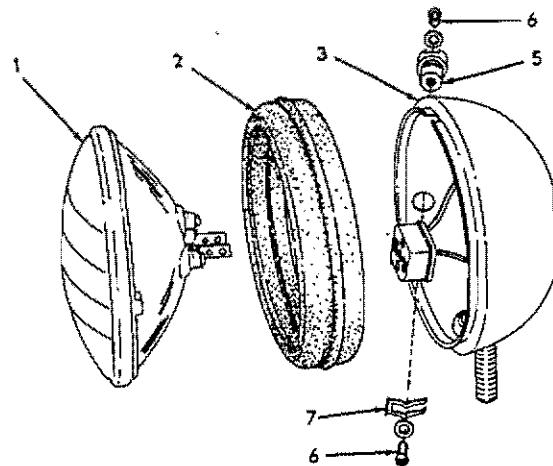
ITEM	PART NO.	QTY.	*	**	DESCRIPTION
15	70094527	2	-		CLIP, rear wiring harness (1/2" diam., 13/32" bolt-hole)
	70916271	1	-		CAPSCREW, 3/8"NC x 1"
	70904206	1	-		LOCKWASHER, 3/8"
	70911115	1	-		WASHER, plain, SAE std., 3/8"
16	70622161	-	1		CLIP, wiring harness (1/2" diam., 13/32" bolt-hole, long type)
	70915408	-	1		CAPSCREW, 3/8"NC x 3/4"
	70904206	-	1		LOCKWASHER, 3/8"
	70911115	-	1		WASHER, plain, SAE std., 3/8"
17	70640677	3	1		CLIP, wiring harness (1/4" diam., 13/32" bolt-hole)
	70916281	1	-		CAPSCREW, 3/8"NF x 3/4"
	70916271	1	-		CAPSCREW, 3/8"NC x 1"
	70904206	2	-		LOCKWASHER, 3/8"
	70911115	1	-		WASHER, plain, SAE std., 3/8"
18	70639314	2	4		CLIP, wiring harness (3/8" diam., 13/32" bolt-hole)
	70915408	-	2		CAPSCREW, 3/8"NC x 3/4"
	70035439	-	1		CAPSCREW, 3/8"NC x 1"
	70914847	-	1		CAPSCREW, 3/8"NC x 1-1/2"
	70904206	-	4		LOCKWASHER, 3/8"
	70911115	-	4		WASHER, plain, SAE std., 3/8"
19	70649493	1	-		ANGLE, harness supporting
20	70916271	1	-		CAPSCREW, 3/8"NC x 1"
	70904206	1	-		LOCKWASHER, 3/8"
	70911115	1	-		WASHER, plain, SAE std., 3/8"
21	70044721	-	1		SPACER, wiring harness clip
22	70661345	1	1		SWITCH (Includes mounting nuts)
23	-----	1	1		SWITCH, push-button (See STARTER)
24	-----	1	1		AMMETER (See INSTRUMENTS)
25	-----	1	1		SWITCH, safety (See SPEED CONTROL LINKAGE)

\*Special equipment



Design "A"

T-27390



Design "B"

T-38214

LIGHT ASSEMBLY

USAGE: See pages 319, 321 and 350

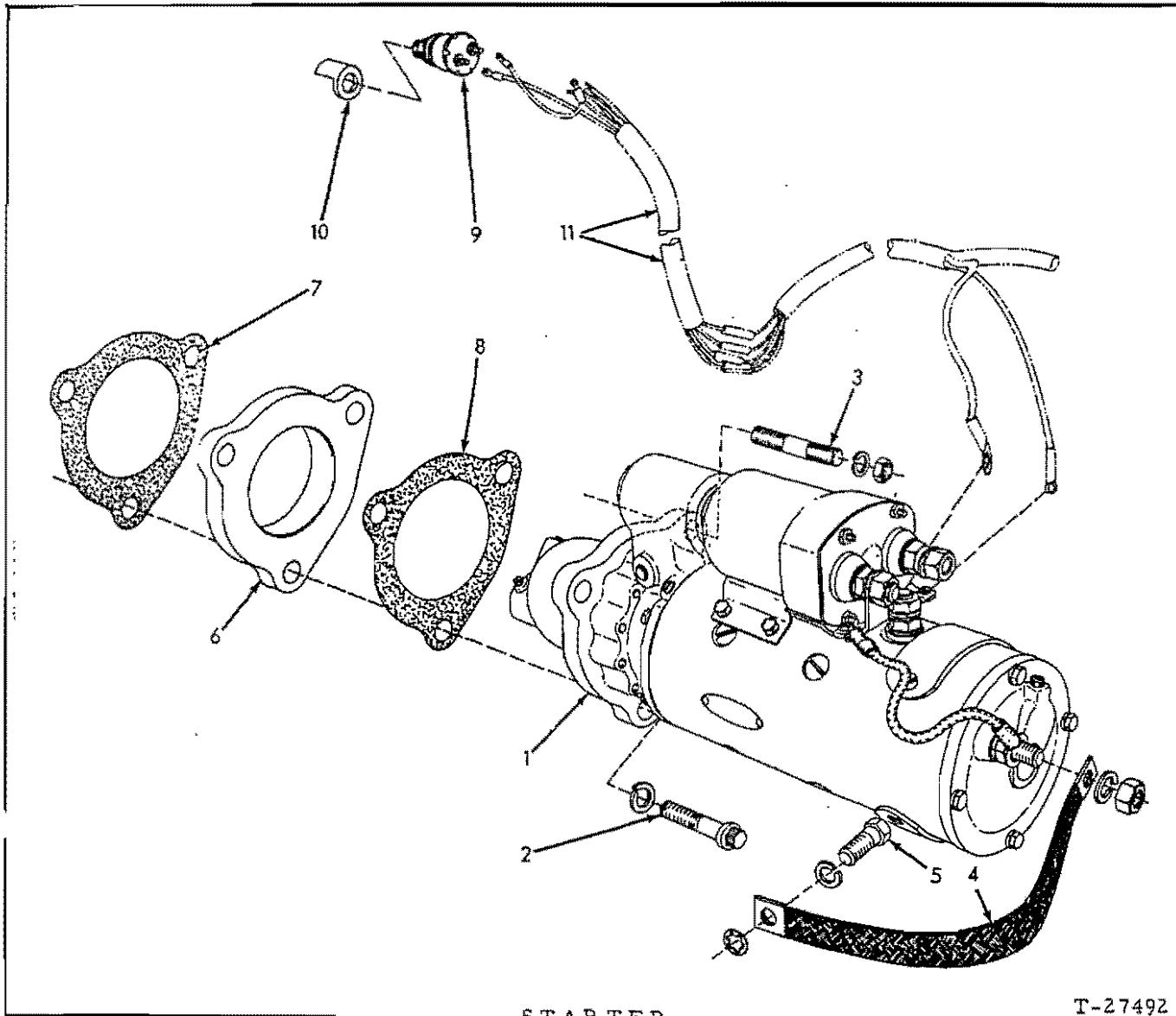
\*Design "A"

\*\*Design "B"

ITEM	PART NO.	QTY.	DESCRIPTION
* **			

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

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



**STARTER**

T-27492

**ITEM PART NO. QTY. DESCRIPTION**

1	{ ----- 74387529	1	MOTOR, starting (Delco-Remy No. 1113900)(Original equipment. Order MOTOR 74387529)
2	70621456	2	CAPSCREW, Nylok, 5/8"NC x 2-1/2"
3	70648262	1	STUD, Nylok, 5/8"NF x 3-1/8"
	70911044	1	NUT, 5/8"NF
	70904209	3	LOCKWASHER, 5/8"

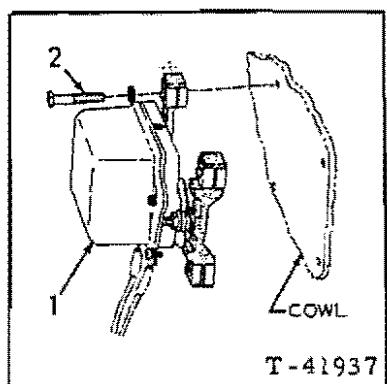
NOTE: Order starting motor parts from local service agency.

4	70623545	1	STRAP, starter to ground
5	70035525	1	CAPSCREW, 1/2"NF x 1-3/8"
	70904208	1	LOCKWASHER, 1/2"
	70906961	1	LOCKWASHER, int-tooth, 1/2"

(Continued)

STARTER (Continued)

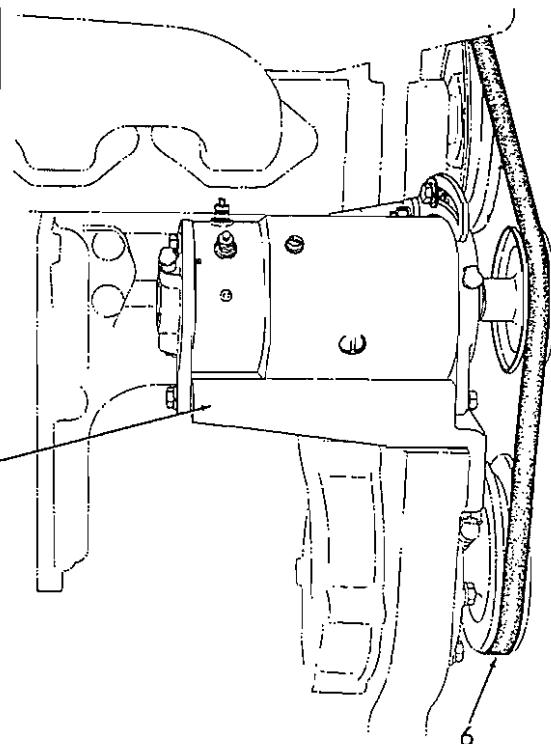
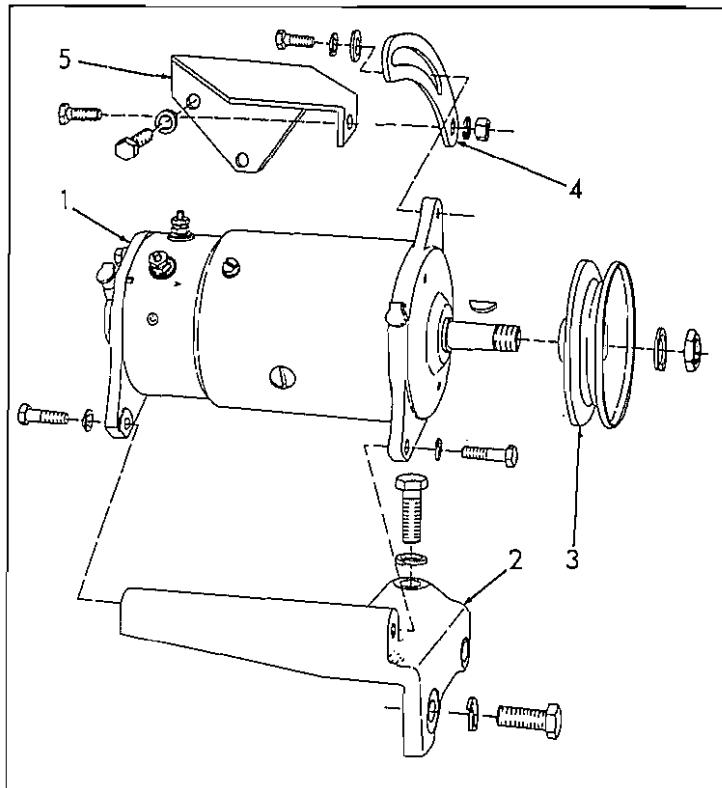
ITEM	PART NO.	QTY.	DESCRIPTION
6	70621278	1	ADAPTER, starting motor
7	70620420	1	GASKET, starting motor adapter
8	70620366	1	GASKET, starting motor
9	70240962	2	SWITCH ASSEMBLY, push button (Includes mounting nut)
10	70634677	1	GUARD, starter switch (Used prior to tractor # 13368)
11	-----	1	WIRING HARNESS (See LIGHTS AND WIRING)



GENERATOR REGULATOR

ITEM	PART NO.	QTY.	DESCRIPTION
1	70090048	1	REGULATOR, voltage and current (positive ground)(Tractors prior to #12201)
1	70667736	1	REGULATOR, voltage and current (negative ground)(Does not include shock mount)(Tractors #12201 and up)
1A	74664290	1	SHOCK-MOUNT, generator regulator
2	70054304 70904204	4	CAPSCREW, 1/4"NC x 1-1/4" LOCKWASHER, 1/4"

NOTE: Procure regulator service from local service agency.



## GENERATOR

T-36167

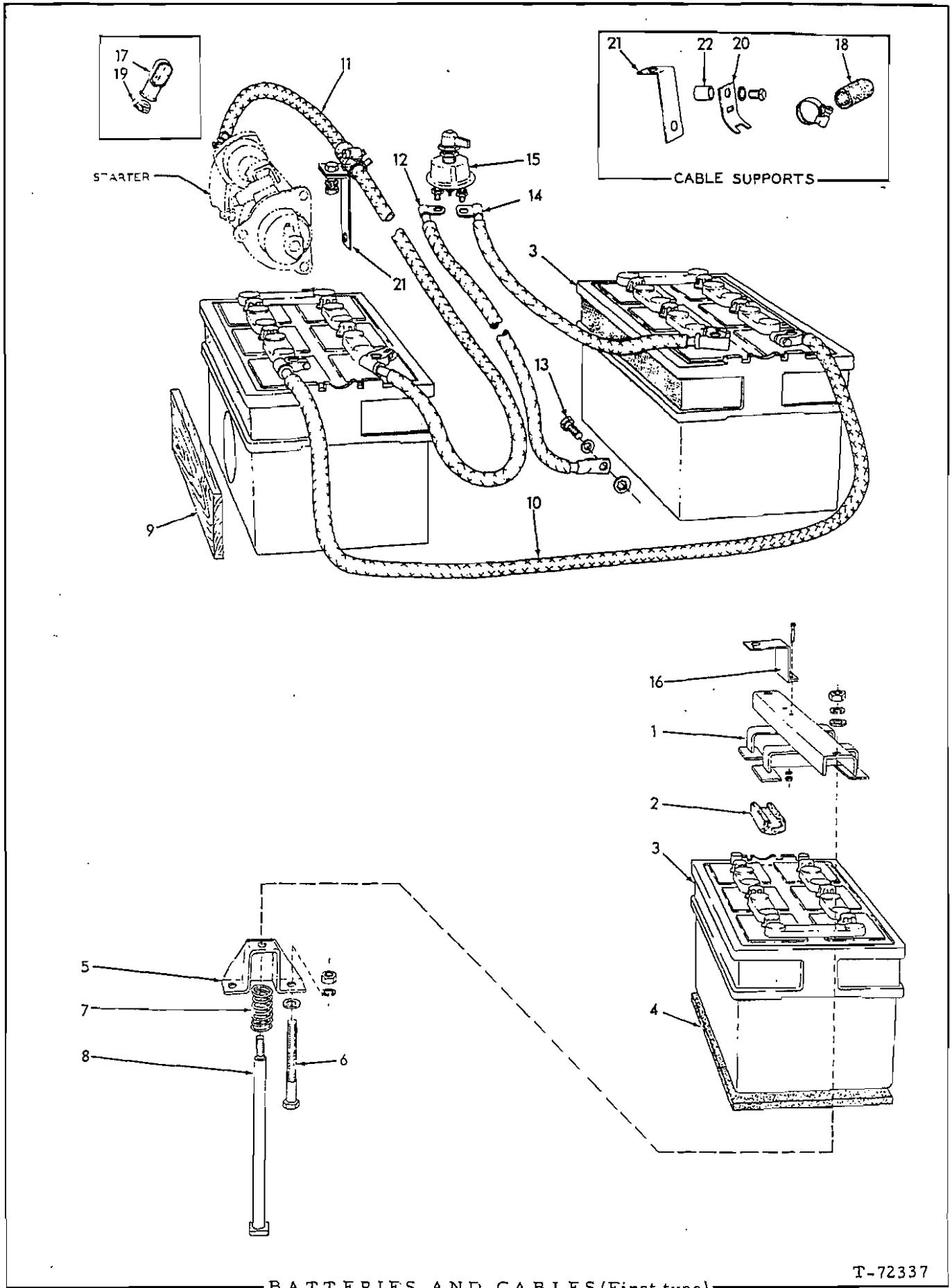
\* Engines prior to serial No. 11-11765  
\*\* Engines serial No. 11-11765 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	GENERATOR ASSEMBLY (Delco-Remy #1103028)(Order GENERATOR ASSEMBLY 74058931)
	70914392	2	CAPSCREW, 5/16"NC x 1"
	70904205	2	LOCKWASHER, 5/16"
	74058931	1	GENERATOR ASSEMBLY (Delco-Remy #1103032)
	70916271	2	CAPSCREW, 3/8"NC x 1"
	70904206	2	LOCKWASHER, 3/8"
<u>NOTE:</u> Each Generator Assembly includes key, nut and washer for pulley. Order generator parts from local service agency			
2	74338210	1	BRACKET, generator mounting
	74354582	1	BRACKET, generator mounting
70918683	1	1	CAPSCREW, 1/2"NC x 1-1/8"
70919230	2	2	CAPSCREW, 1/2"NC x 1-3/8"
70904208	3	3	LOCKWASHER, 1/2"

(Continued)

## GENERATOR (Continued)

ITEM	PART NO.	QTY. *    **	DESCRIPTION
3	74349676 74339504	1    1 -    1	PULLEY (cast iron)(Used prior to engine #11-12957) PULLEY (pressed steel)(Effective with engine #11-12957)
4	74338269 70915809 70904205 70901165 70910323	1    1 2    2 2    2 1    1 1    1	BRACE, generator CAPSCREW, 5/16"NC x 3/4" LOCKWASHER, 5/16" WASHER, plain, U.S. std., 5/16" NUT, 5/16"NC
5	74338280 70916271 70904206	1    1 2    2 2    2	BRACKET, generator brace CAPSCREW, 3/8"NC x 1" LOCKWASHER, 3/8"
6	74338212	1    1	BELT, generator and water pump



## BATTERIES AND CABLES

\* Tractors prior to serial No. 12201 (Positive ground)  
 \*\* Tractors serial No. 12201 thru No. 12562  
 \*\*\* Tractors serial No. 12563 thru 13366 } Negative ground

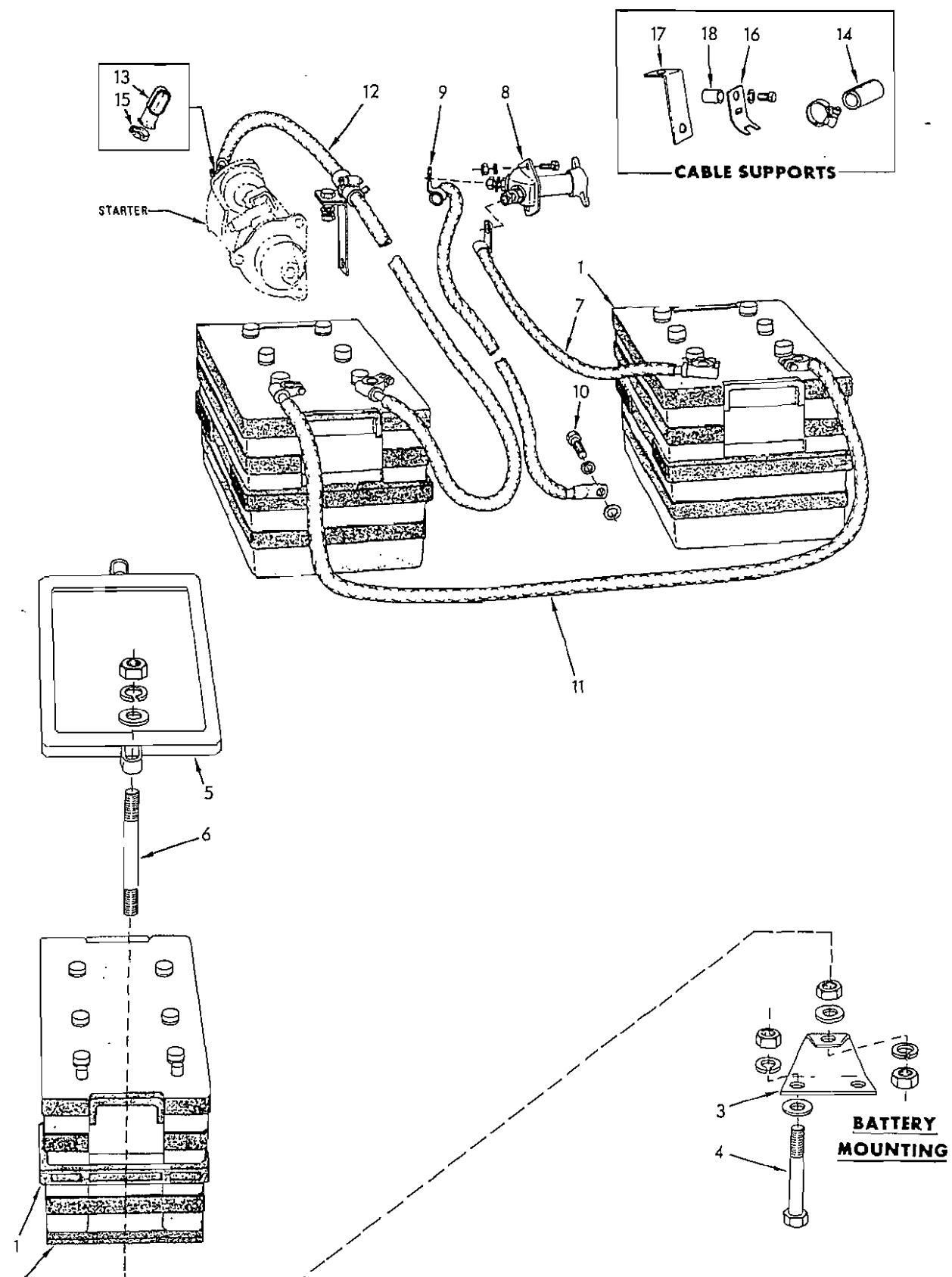
ITEM	PART NO.	QUANTITY			DESCRIPTION
		*	**	***	
1	70052782	2	2	2	HOLD-DOWN battery
2	70052791	8	8	8	BLOCK, hold-down (rubber)
3	-----	2	2	2	BATTERY, storage, 12 volts, 25 plates ("Prestolite" type D-6. Order from local dealer)
3A	{ 70243526	1	1	1	ELECTROLYTE ("Z" pack-6.1 quarts)
	{ 70243527	1	1	1	ELECTROLYTE ("F" pack-5 gallons)
3B	70243528	1	1	1	HOSE, electrolyte dispensing (For use with 5-gal. pack)
4	70085680	2	2	2	PAD, battery bottom
5	70081867	4	4	4	BRACKET, hold-down bolt
6	{ 70916307	4	4	4	CAPSCREW, 1/2"NC x 2-3/4" (right side)
	{ 70916323	4	4	4	CAPSCREW, 1/2"NC x 5-1/2" (left side)
	70904208	8	8	8	LOCKWASHER 1/2"
	70911028	8	8	8	NUT, 1/2"NC } Not used with special reinforced
	70064531	8	8	8	WASHER, plain } Rear Fenders
7	70081404	4	4	4	SPRING, hold-down bolt
8	70087313	4	4	4	BOLT, hold-down
	70904208	4	4	4	LOCKWASHER, 1/2"
	70911043	4	4	4	NUT, 1/2"NF
	70064531	4	4	4	WASHER, plain
9	-----	-	-	-	BOARDS, battery spacing (Procure locally as required)
10	{ 70069743	1	-	-	CABLE, battery connecting (58-1/2" long)
	{ 70649738	-	1	-	CABLE, battery connecting (47" long)
	{ 70658339	-	-	1	CABLE, battery connecting (59-1/2" long)
11	{ 70622064	1	-	-	CABLE, battery to starter (126-3/4" long)
	{ 70649736	-	1	-	CABLE, battery to starter (134" long)
	{ 70657743	-	-	1	CABLE, battery to starter (102" long)
12	{ 70627428	1	1	-	CABLE, master switch to ground (58" long)
	{ 70658323	-	-	1	CABLE, master switch to ground (53" long)
13	70036034	1	1	1	CAPSCREW, 3/8"NF x 1"
	70904206	1	1	1	LOCKWASHER, regular, 3/8"
	70906960	1	1	1	LOCKWASHER, int-tooth, 3/8"

(Continued)

## BATTERIES AND CABLES (Continued)

ITEM	PART NO.	QUANTITY			DESCRIPTION
		*	**	***	
14	70096918	1	-	-	CABLE, battery to master switch (15-1/2" long)
	70649737	-	1	-	CABLE, battery to master switch (30" long)
	70646852	-	-	1	CABLE, battery to master switch (14" long)
15	70643726	1	1	1	SWITCH ASSEMBLY, master (serviced only as a unit)
16	70643725	1	1	1	BRACKET, master switch
	70912789	2	2	2	CAPSCREW, 1/4"NF x 3/4"
	70904204	2	2	2	LOCKWASHER, 1/4"
	70911040	2	2	2	NUT, 1/4"NF
17	70076572	1	1	1	BOOT, protecting, starter terminal
18	70076469	14	14	12	BOOT, cable protecting
19	70921912	15	15	13	CLAMP, cable boot
20	70633653	9	9	8	CLIP, cable supporting
	70036032	3	1	1	CAPSCREW, 3/8"NF x 3/4"
	70035244	-	1	3	CAPSCREW, 3/8"NC x 3/4"
	70035439	4	4	2	CAPSCREW, 3/8"NC x 1"
	70013059	-	1	1	CAPSCREW, 3/8"NC x 2"
	70904206	7	7	7	LOCKWASHER, 3/8"
	70911041	1	1	1	NUT, 3/8"NF
	70084895	1	1	-	CLIP, supporting, ground cable
21	70637658	1	1	1	ANGLE, cable supporting
22	70619331	-	1	1	BLOCK, clip spacing

M E M O



BATTERIES AND CABLES (Second type)

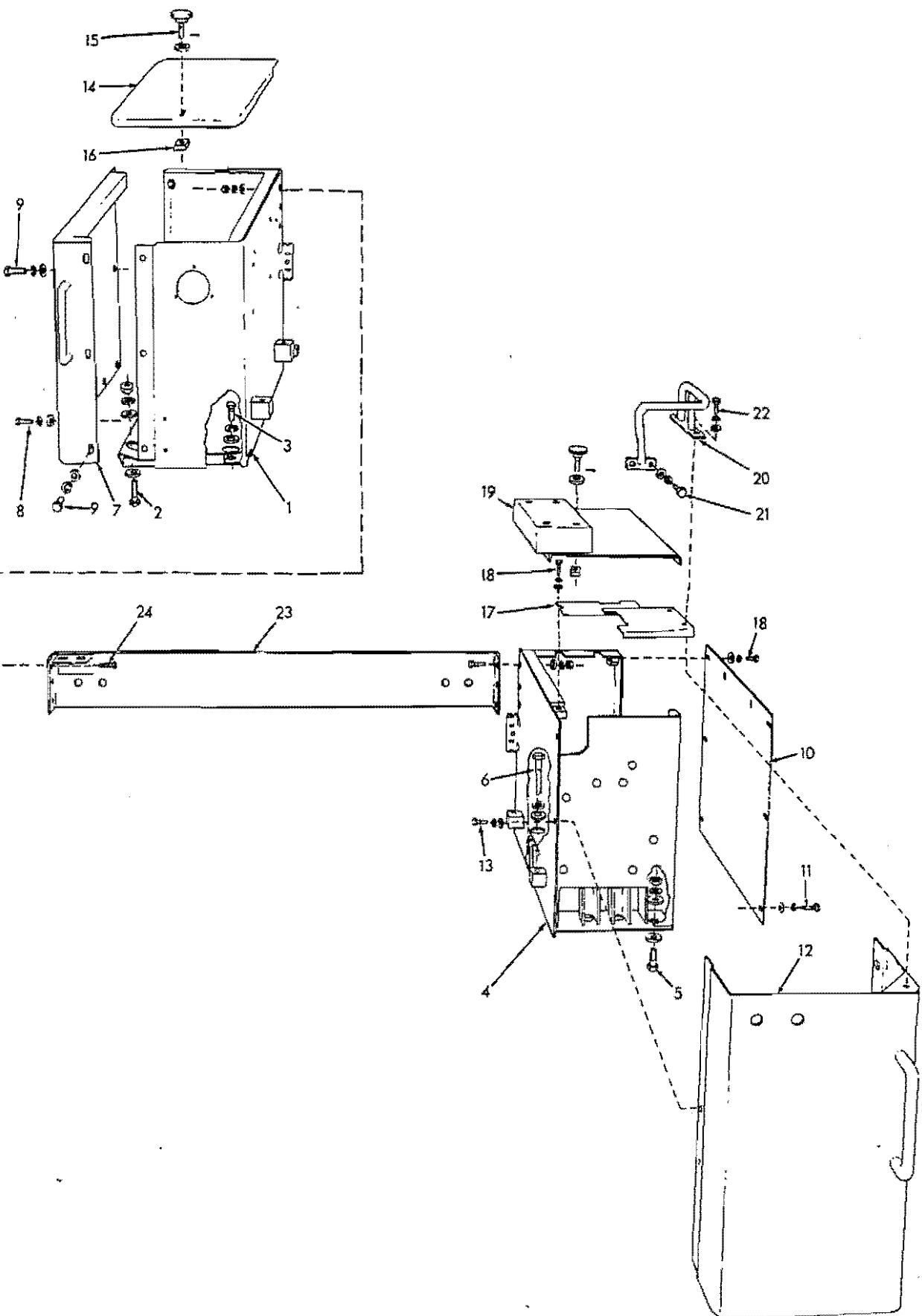
T-74940

## BATTERIES AND CABLES

USAGE: Tractors serial No. 13367 and up

### ITEM PART NO. QTY. DESCRIPTION

1	70695471	2	BATTERY, storage, 12 volts, dry-charged (Each requires 14 qts electrolyte)	
1A	{ 70243526                    1     ELECTROLYTE ("Z" pack-6.1 quarts)			Not illustrated
	{ 70243527                    1     ELECTROLYTE ("F" pack-5 gallons)			
1B	70243528                    1     HOSE, electrolyte dispensing (For use with 5-gal. pack)			
2	70085680                    2     PAD, battery bottom			
3	70662745                    4     BRACKET, hold-down bolt			
	{ 70916317                    4     CAPSCREW, 1/2"NC x 2-3/4" (right side)			
	{ 70916323                    4     CAPSCREW, 1/2"NC x 5-1/2" (left side)			
4	{ 70904208                    8     LOCKWASHER, 1/2"			
	{ 70911028                    8     NUT, 1/2"NC } Not used with special			
	{ 70064531                    8     WASHER, plain } reinforced Rear Fenders			
5	70662760                    2     HOLD-DOWN,battery			
6	70619814                    4     ROD, hold-down			
	70904208                    8     LOCKWASHER, 1/2"			
	70911043                    12    NUT, 1/2"NF			
	70064531                    8     WASHER, plain			
7	70646852                    1     CABLE, battery to master switch (14" long)			
8	70096908                    1     SWITCH ASSEMBLY, master (Serviced only as a unit)			
	70915406                    2     CAPSCREW, 1/4"NC x 3/4"			
	70904204                    2     LOCKWASHER, 1/4"			
	70911024                    2     NUT, 1/4"NC			
9	70658323                    1     CABLE, master switch to ground (53" long)			
10	70916225                    1     CAPSCREW, 3/8"NF x 1"			
	70904206                    1     LOCKWASHER, regular, 3/8"			
	70906960                    1     LOCKWASHER, int-tooth, 3/8"			
11	70658339                    1     CABLE, battery connecting (59-1/2" long)			
12	70657743                    1     CABLE, battery to starter (102" long)			
13	70076572                    1     BOOT, protecting, starter to terminal			
14	70076469                    12    BOOT, cable protecting			
15	70921912                    13    CLAMP, cable boot			
16	70633653                    8     CLIP, cable supporting			
	70916381                    1     CAPSCREW, 3/8"NF x 3/4"			
	70915408                    3     CAPSCREW, 3/8"NC x 3/4"			
	70916271                    2     CAPSCREW, 3/8"NC x 1"			
	70910948                    1     CAPSCREW, 3/8"NC x 2"			
	70904206                    7     LOCKWASHER, 3/8"			
	70911041                    1     NUT, 3/8"NF			
17	70637658                    1     ANGLE, cable supporting			
18	70619331                    1     BLOCK, clip spacing			



BATTERY BOXES (First type)

T-41943

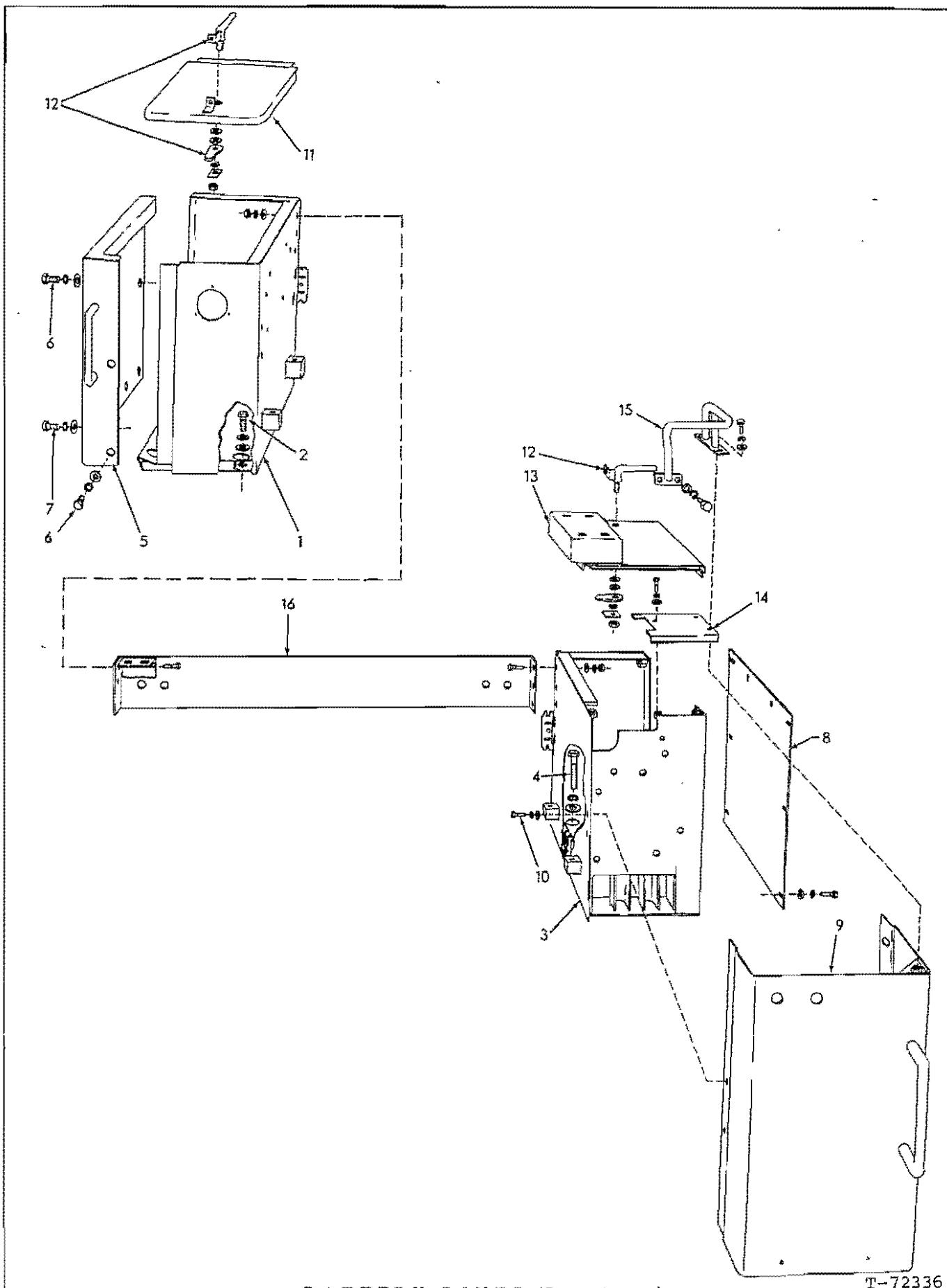
# BATTERY BOXES

USAGE: Tractors prior to serial No. 12201

ITEM PART NO. QTY. DESCRIPTION

1	-----	1	BOX, right (Order BOX 70650916, COVER 70650918, LOCK 70650901)
2	70035073	1	CAPSCREW, 1/2"NF x 1-3/4"
2	70035190	1	CAPSCREW, 1/2"NC x 1-3/4" (Units with reinforced fenders)
3	70035018	3	CAPSCREW, 1/2"NF x 1-1/2"
	70064531	5	WASHER, plain
	70904208	4	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF (Not for units with reinforced fenders)
4	-----	1	BOX, left (Order BOX 70650914, COVER 70654940, LOCK 70650901)
5	70035073	1	CAPSCREW, 1/2"NF x 1-3/4"
5	70035190	1	CAPSCREW, 1/2"NC x 1-3/4" (Units with reinforced fenders)
6	70057517	2	CAPSCREW, 1/2"NF x 4"
	70064531	4	WASHER, plain
	70904208	3	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF (Not for units with reinforced fenders)
7	70639905	1	COVER, side, right battery box (Also see HEAVY-DUTY FUEL FILTER for special cover)
8	70614478	2	CAPSCREW, 1/2"NF x 1-3/8"
9	70614478	6	CAPSCREW, 1/2"NF x 1-3/8" (Early units)
9	70035733	6	CAPSCREW, 1/2"NC x 1-3/8" (Late units)
	70904208	8	LOCKWASHER, 1/2"
	70064531	8	WASHER, plain
10	70637532	1	COVER, side, left battery box
	70614478	8	CAPSCREW, 1/2"NF x 1-3/8" (Early units)
11	70035733	8	CAPSCREW, 1/2"NC x 1-3/8" (Late units)
	70904208	8	LOCKWASHER, 1/2"
	70064531	8	WASHER, plain
12	70649211	1	COVER, end, left battery box
	70035525	2	CAPSCREW, 1/2"NF x 1-1/8" (Early units)
13	70035220	2	CAPSCREW, 1/2"NC x 1-1/8" (Late units)
	70904208	2	LOCKWASHER, 1/2"
	70064531	2	WASHER, plain
14	70641499	1	COVER, top, right battery box
15	70091976	2	KNOB, retaining, battery box cover
	70910244	2	WASHER, plain, SAE std., 1/2"
	70900802	2	PIN, cotter, 3/32" x 1"
16	70624488	2	BLOCK, tapped, battery box cover knob
17	70640602	1	COVER, top, left battery box, front section
	70012992	1	CAPSCREW, 3/8"NF x 1-1/4" (Early units)
18	70013058	1	CAPSCREW, 3/8"NC x 1-1/4" (Late units)
	70904206	1	LOCKWASHER, 3/8"
	70044973	1	WASHER, plain
19	70634338	1	COVER, top, left battery box, rear section
20	70633333	1	GUARD, speed shift lever
21	70044249	2	CAPSCREW, 3/8"NC x 1-1/8"
	70012992	2	CAPSCREW, 3/8"NF x 1-1/4" (Early units)
22	70013058	2	CAPSCREW, 3/8"NC x 1-1/4" (Late units)
	70904206	4	LOCKWASHER, 3/8"
	70044973	4	WASHER, plain
23	70634251	1	BRACE, cross
24	70614478	6	CAPSCREW, 1/2"NF x 1-3/8"
	70064531	6	WASHER, plain
	70904208	6	LOCKWASHER, 1/2"
	70911043	6	NUT, 1/2"NF

NOTE: See PAINTING AND MARKING for instruction plates and transfers.



BATTERY BOXES (Second type)

T-72336

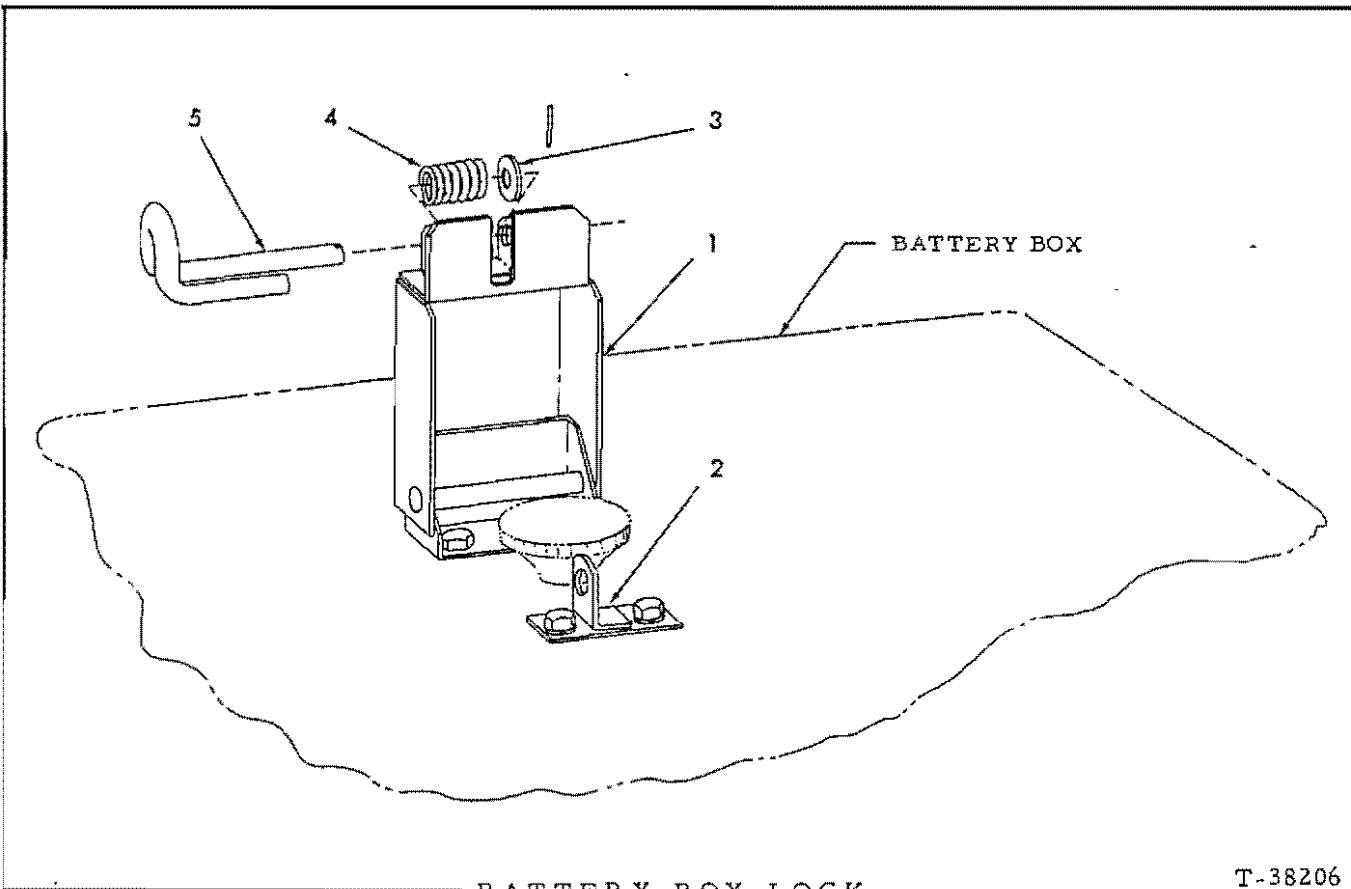
## BATTERY BOXES

USAGE: Tractors serial No. 12201 and up

### ITEM PART NO. QTY. DESCRIPTION

1	{ 70650916 70663911	1 1	BOX, right battery (Tractors prior to # 13367) BOX, right battery (Tractors # 13367 and up)
2	70035018 70064531 70904208	3 3 1	CAPSCREW, 1/2"NF x 1-1/2" WASHER, plain LOCKWASHER, 1/2"
3	{ 70650914 70663878	1 1	BOX, left battery (Tractors prior to # 13367) BOX, left battery (Tractors # 13367 and up)
4	70057517 70064531 70904208	2 2 2	CAPSCREW, 1/2"NF x 4" WASHER, plain LOCKWASHER, 1/2"
5	70639905	1	COVER side, right battery box (Also see HEAVY-DUTY FUEL FILTER for special cover)
6	70035733	6	CAPSCREW, 1/2"NC x 1-3/8"
7	70614478 70904208 70064531	2 8 8	CAPSCREW 1/2"NF x 1-3/8" LOCKWASHER, 1/2" WASHER, plain
8	70637532 70035733 70904208 70064531	1 8 8 8	COVER, side, left battery box CAPSCREW, 1/2"NC x 1-3/8" LOCKWASHER, 1/2" WASHER, plain
9	70649211	1	COVER, end, left battery box
10	70035220 70904208 70064531	2 2 2	CAPSCREW, 1/2"NC x 1-1/8" LOCKWASHER 1/2" WASHER, plain
11	70650918	1	COVER, top, right battery box
12	70650901 70911115	2 4	LOCK ASSEMBLY, battery box cover (Serviced only as a unit) WASHER, plain, SAE std., 3/8"
13	70650940	1	COVER, top, left battery box, rear section
14	70650938 70013058 70904206 70044973	1 1 1 1	COVER, top, left battery box, front section CAPSCREW, 3/8"NC x 1-1/4" LOCKWASHER, 3/8" WASHER, plain
15	70633333 70044249 70013058 70904206 70044973	1 2 2 4 4	GUARD, speed shift lever CAPSCREW, 3/8"NC x 1-1/8" CAPSCREW, 3/8"NC x 1-1/4" LOCKWASHER, 3/8" WASHER plain
16	70634251 70614478 70064531 70904208 70911043	1 6 6 6 6	BRACE, cross CAPSCREW, 1/2"NF x 1-3/8" WASHER, plain LOCKWASHER, 1/2" NUT, 1/2"NF

NOTE: See PAINTING AND MARKING for instruction plates and transfers.



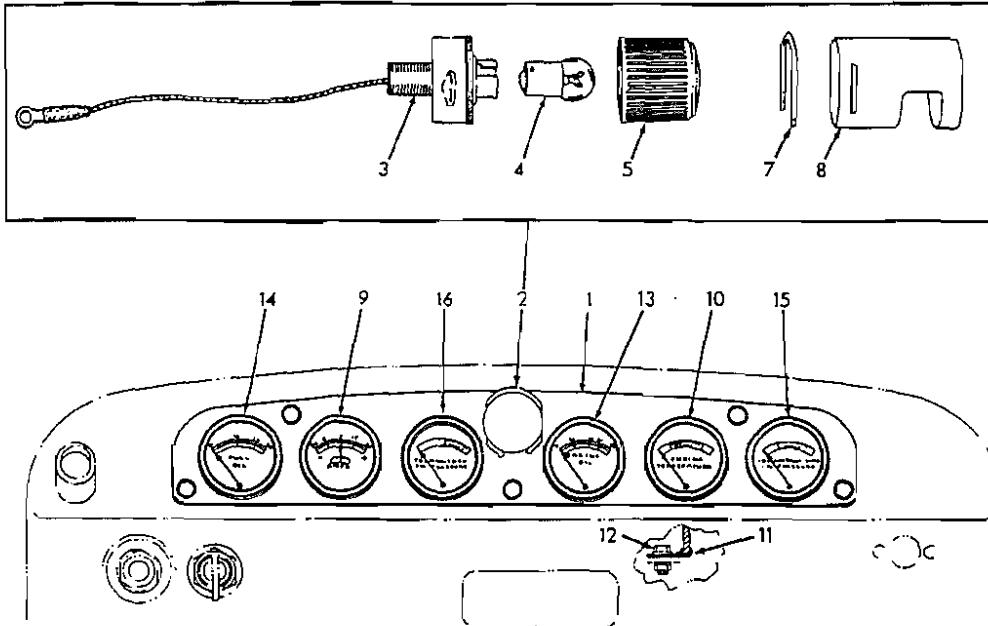
**BATTERY BOX LOCK**

T-38206

**USAGE:** Special equipment for tractors prior to serial No. 12201. Padlock is required to complete the installation.

**ITEM PART NO. QTY. DESCRIPTION**

1	70620474 70914330 70904204 70911040	1 2 2 2	COVER, retaining knob CAPSCREW, 1/4"NF x 5/8" LOCKWASHER, 1/4" NUT, 1/4"NF
2	70620472 70914330 70904204 70911040	1 2 2 2	PLATE, latching, retaining knob cover CAPSCREW, 1/4"NF x 5/8" LOCKWASHER, 1/4" NUT, 1/4"NF
3	70607414	1	WASHER, latching spring
4	70035916	1	SPRING, latching rod
5	70621201 70916146	1 1	ROD, latching PIN, roll, 3/32" x 1/2"



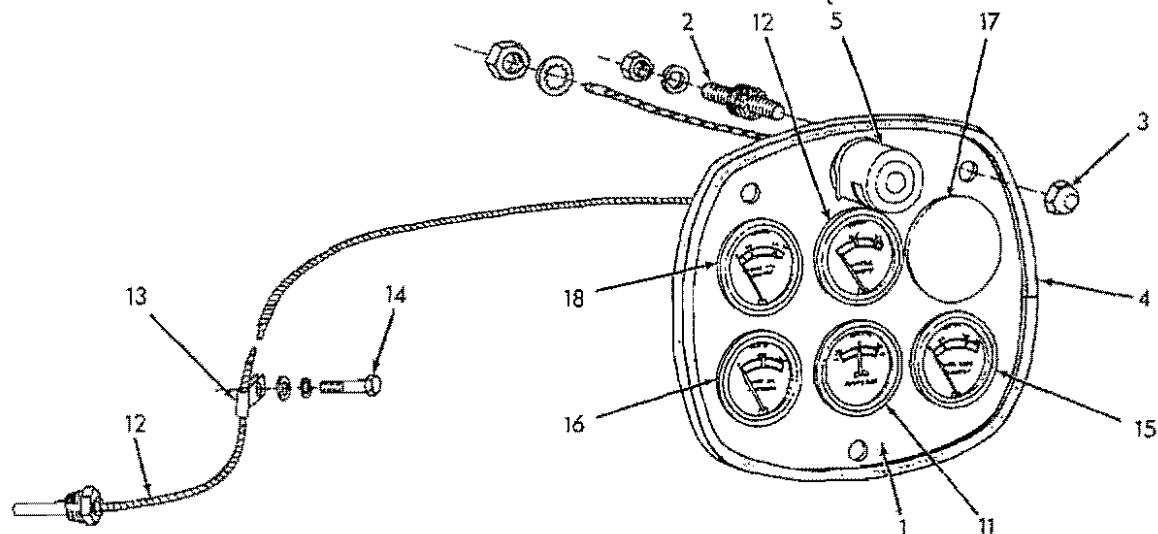
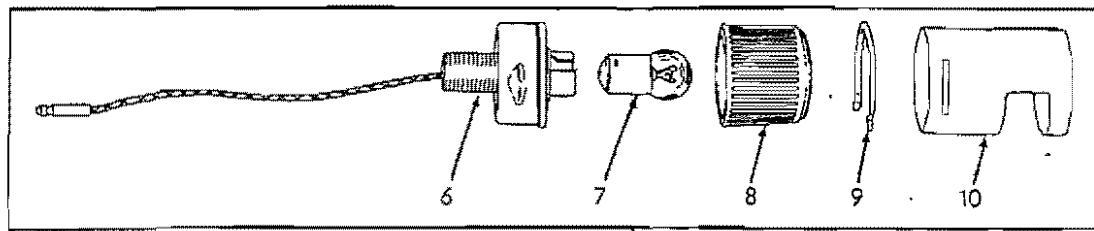
**INSTRUMENTS**

T-41929

USAGE: Tractors prior to serial No. 13367

**ITEM PART NO. QTY. DESCRIPTION**

1	70634219	1	PLATE, instrument mounting
	70924954	5	CAPSCREW, cd-pltd., 1/4"NC x 5/8"
	70924958	5	LOCKWASHER, int-tooth, 1/4"
2	70659003	1	LIGHT ASSEMBLY, instrument panel (Consists of items 3 thru 8)
	70911049	1	NUT, jam, 5/8"NF
	70910334	1	LOCKWASHER, int-tooth, 5/8"
3	-----	1	BASE ASSEMBLY (Not serviced separately)
4	70074452	1	BULB, instrument light (single contact, 6 c.p., 24 volts)
5	70095267	1	LENS, instrument light
6			
7	70095265	1	SPRING, retaining, instrument light cover
8	70659002	1	COVER, instrument light
9	70658348	1	AMMETER (Includes mounting clamp)
10	70658423	1	GAUGE, engine temperature (Includes mounting clamp)
11	70639313	1	CLIP, engine temperature gauge line
12	70034964	1	CAPSCREW, 1/4"NC x 3/4"
	70900816	1	WASHER, plain, U.S. std., 1/4"
	70904204	1	LOCKWASHER, 1/4"
	70911024	1	NUT, 1/4"NC
13	-----	1	GAUGE, engine oil pressure (See page 342)
14	-----	1	GAUGE, fuel pressure (See pages 346 and 347)
15	-----	1	GAUGE, transmission lubricating oil pressure (See page 344)
16	-----	1	GAUGE, transmission hydraulic pressure (See page 345)



INSTRUMENTS

T-74943

USAGE: Tractors serial No. 13367 and up

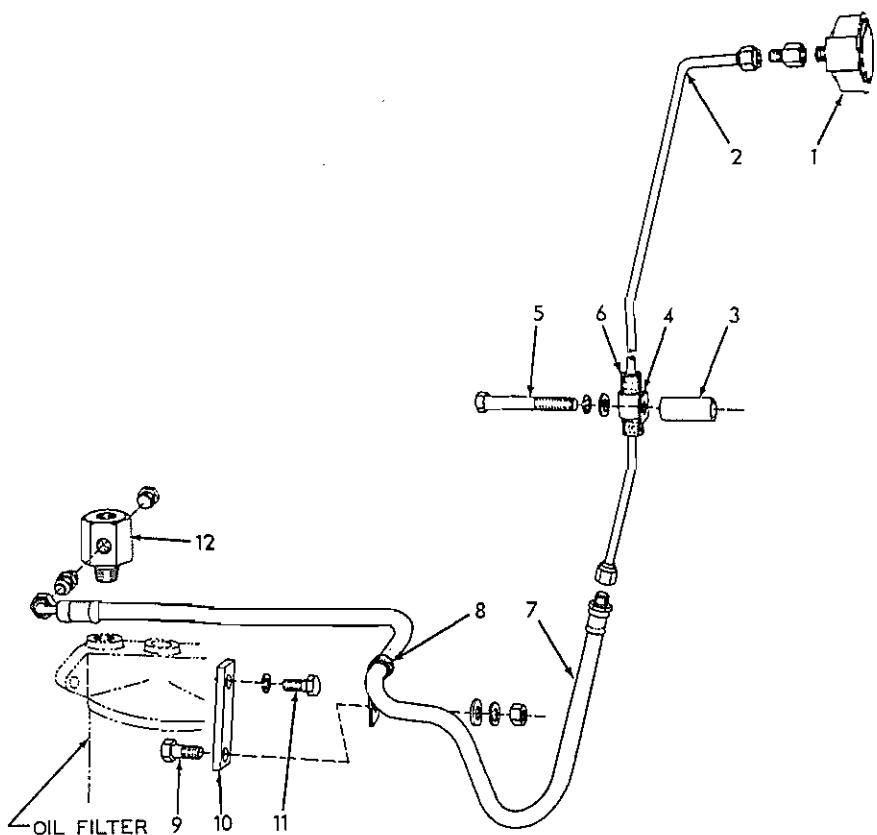
ITEM PART NO. QTY. DESCRIPTION

1	70656905	1	PLATE, instrument mounting
2	70642746	3	CUSHION, instrument mounting plate
	70904206	3	LOCKWASHER, 3/8"
	70911041	3	NUT, 3/8"NF
3	70924950	3	NUT, instrument mounting plate
4	70656923	1	SEAL, weather, instrument mounting plate
5	70658641	1	LIGHT ASSEMBLY, 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 ASSEMBLY (Not serviced separately)
7	70074452	1	BULB, instrument light (single contact, 6 C.P., 24 volts)
8	70095267	1	LENS, instrument light
9	70095265	1	SPRING, retaining, instrument light cover
10	70659002	1	COVER, instrument light

(Continued)

## INSTRUMENTS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
11	70658348	1	AMMETER, 30 amp. (Standard)
	70658534	1	AMMETER, 80 amp. (optional)
12	70658397	1	GAUGE, engine temperature (Includes mounting clamp)
13	70639388	1	CLIP, temperature gauge tube
14	70047478	1	CAPSCREW, 1/4"NC x 5/8"
	70904204	1	LOCKWASHER, 1/4"
	70911114	1	WASHER, plain, SAE std., 1/4"
15	-----	1	GAUGE, transmission lubricating oil pressure (See page 344)
16	-----	1	GAUGE, transmission hydraulic pressure (See page 345)
17	70921193	1	PLUG, button, cd-pltd., 2-3/32" diam.
18	-----	1	GAUGE, engine oil pressure (See page 343)



— ENGINE OIL PRESSURE GAUGE —

T-72338

SAGE: Tractors prior to serial No. 13367

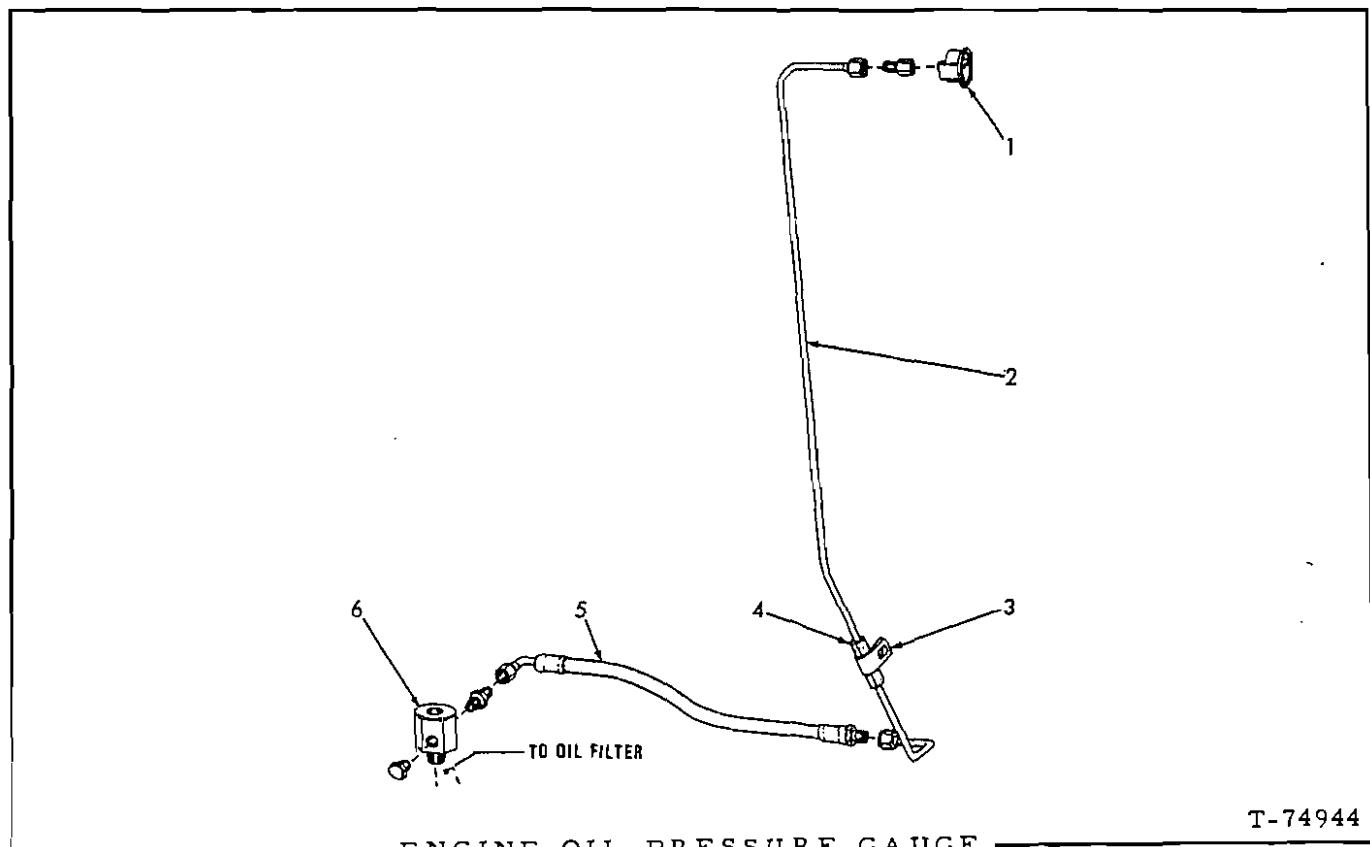
ITEM	PART NO.	QTY.	DESCRIPTION
1	70658293	1	GAUGE (Includes mounting clamp)
2	{ 70641646 70650752	1	TUBE ASSEMBLY (Includes nuts)(Tractors prior to #12201)
		1	TUBE ASSEMBLY (Includes nuts)(Tractors #12201 and up)
	70919174	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT female (Units with dry-type air cleaner)
	70919249	1	ELBOW, flare type, 90°, 1/4" tube, 1/8"NPT female (Units with oil-bath air cleaner)
3	70635720	1	SPACER, tube supporting clip
4	70047381 70045174 70056721 70904206 70911115	1	CLIP, tube supporting CAPSCREW, 3/8"NF x 2-1/2" (Early units) CAPSCREW, 3/8"NC x 2-1/2" (Late units) LOCKWASHER, 3/8" WASHER, plain, SAE std., 3/8"
6	70093972	1	BOOT, tube protecting (rubber)
7	70641649 70919140	1	HOSE (See HOSE PARTS) CONNECTOR, flare type, 1/4" tube, 1/4"NPT male
8	70644006	1	CLIP, hose supporting
9	70035167 70911115 70904206 70911041	1	CAPSCREW, 3/8"NF x 7/8" WASHER, plain, SAE std., 3/8" LOCKWASHER, 3/8" NUT, 3/8"NF

(Continued)

ENGINE OIL PRESSURE GUAGE (Continued)

ITEM PART NO. QTY. DESCRIPTION

10	70046423	1	SUPPORT, hose (3" long)(Units with dry-type air cleaner)
	70067165	1	SUPPORT, hose (5-3/4" long)(Units with oil-bath air cleaner)
11	70035244	1	CAPSCREW, 3/8"NC x 3/4"
	70904206	1	LOCKWASHER, 3/8"
12	74339606	1	ADAPTOR, oil pressure gauge line
	70919840	1	PLUG, pipe, hex-hd., 1/4"NPT (Not used if Hour Meter installed)

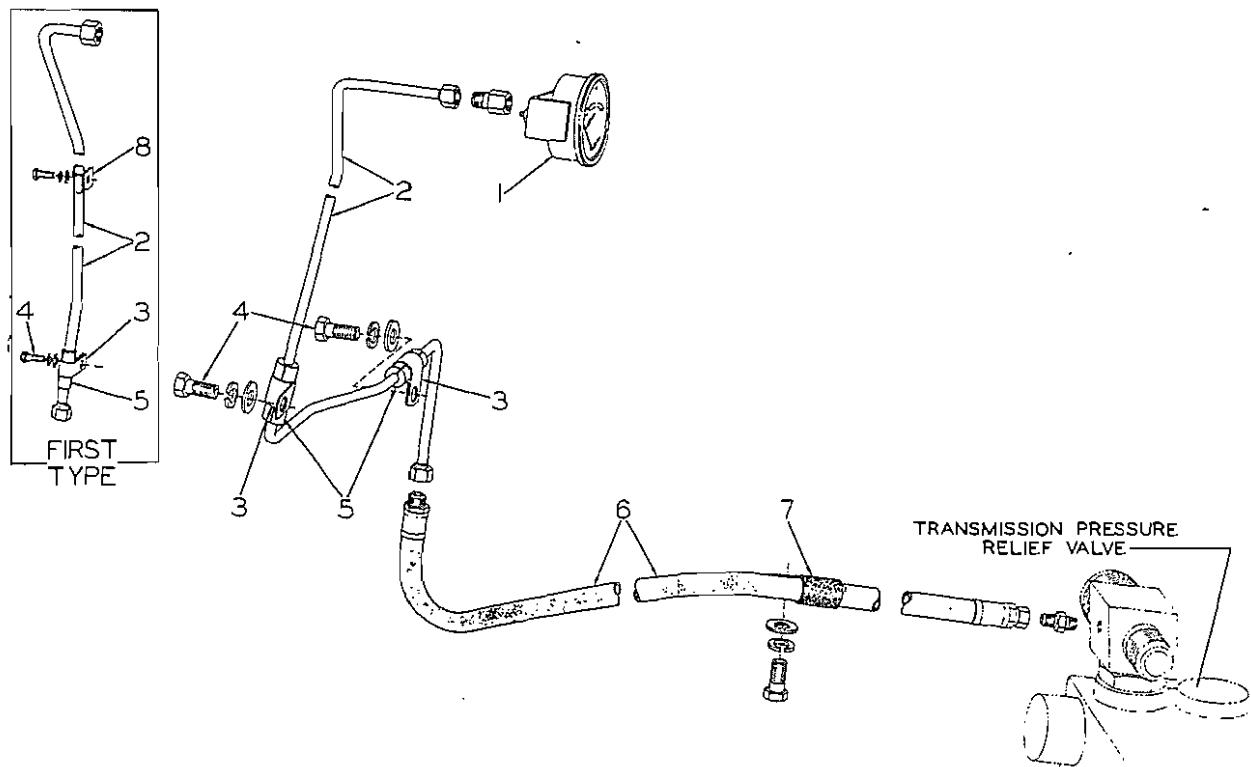


ENGINE OIL PRESSURE GAUGE

USAGE: Tractors serial No. 13367 and up

ITEM PART NO. QTY. DESCRIPTION

1	70658293	1	GAUGE (Includes mounting clamp)
2	70657835 70919174	1	TUBE ASSEMBLY (Includes nuts) CONNECTOR, flare type, 1/4" tube, 1/8" NPT female
3	70047381	1	CLIP, tube supporting
4	70093972	1	BOOT, tube protecting (rubber)
5	70659895 70919140	1	HOSE (See HOSE PARTS) CONNECTOR, flare type, 1/4" tube, 1/4"NPT male
6	74339606 70919840	1	ADAPTOR, oil pressure gauge line PLUG, pipe, hex-hd., 1/4"NPT (Not used if Hour Meter installed)

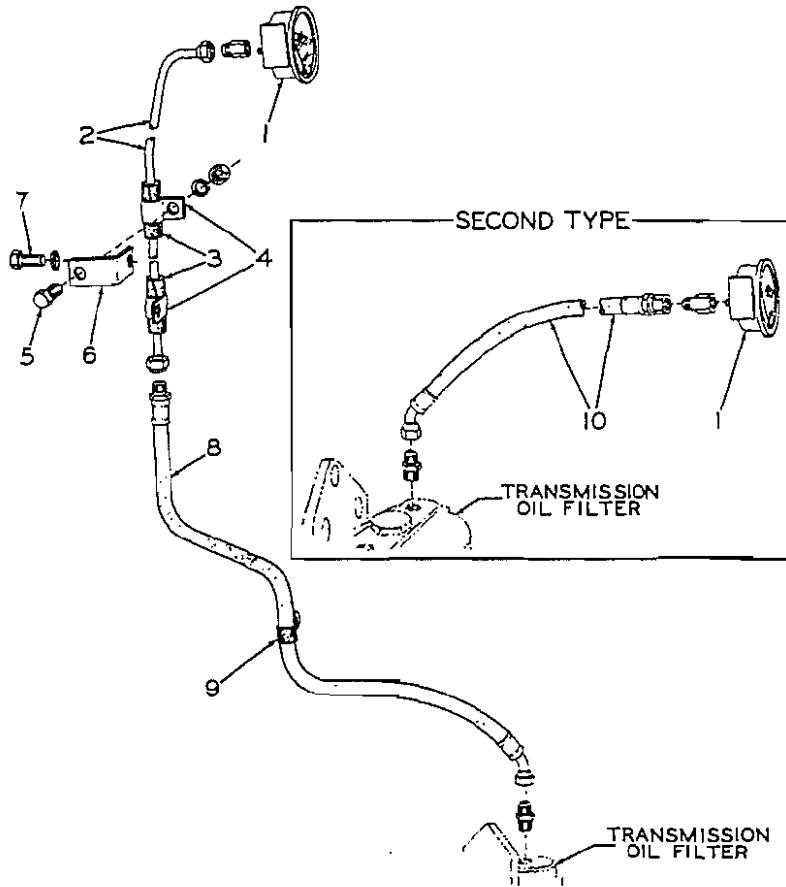


TRANSMISSION LUBRICATING OIL PRESSURE GAUGE

T-41935

\* Tractors prior to serial No. 13367  
 \*\* Tractors serial No. 13367 and up

ITEM	PART NO.	QTY.	**	DESCRIPTION
1	{ 70658313 70665909	1	-	GAUGE (40 lb.) } Each includes
		-	1	GAUGE (80 lb.) mounting clamp
2	{ 70641648 70657836	1	-	TUBE ASSEMBLY (Includes nuts)
		-	1	TUBE ASSEMBLY (Includes nuts)
	70919174	1	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT female
3	70047381	1	2	CLIP, tube supporting
	70036032	1	-	CAPSCREW, 3/8"NF x 3/4"
4	{ 70035244 70904206 70911115	-	2	CAPSCREW, 3/8"NC x 3/4"
		1	2	LOCKWASHER, 3/8"
		1	2	WASHER, plain, SAE std., 3/8"
5	70093972	1	2	BOOT, tube protecting (rubber)
6	{ 70643697 70664687	1	-	HOSE } See HOSE PARTS
		-	1	HOSE
	70919171	1	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
7	70644006	1	1	CLIP, hose supporting (1/2" bolt-hole)
	70035244	1	1	CAPSCREW, 3/8"NC x 3/4"
	70911115	1	1	WASHER, plain, SAE std., 3/8"
	70904206	1	1	LOCKWASHER, 3/8"
8	70640677	1	-	CLIP, tube supporting
	70035244	1	-	CAPSCREW, 3/8"NC x 3/4"
	70904206	1	-	LOCKWASHER, 3/8"
	70911115	1	-	WASHER, plain, SAE std., 3/8"

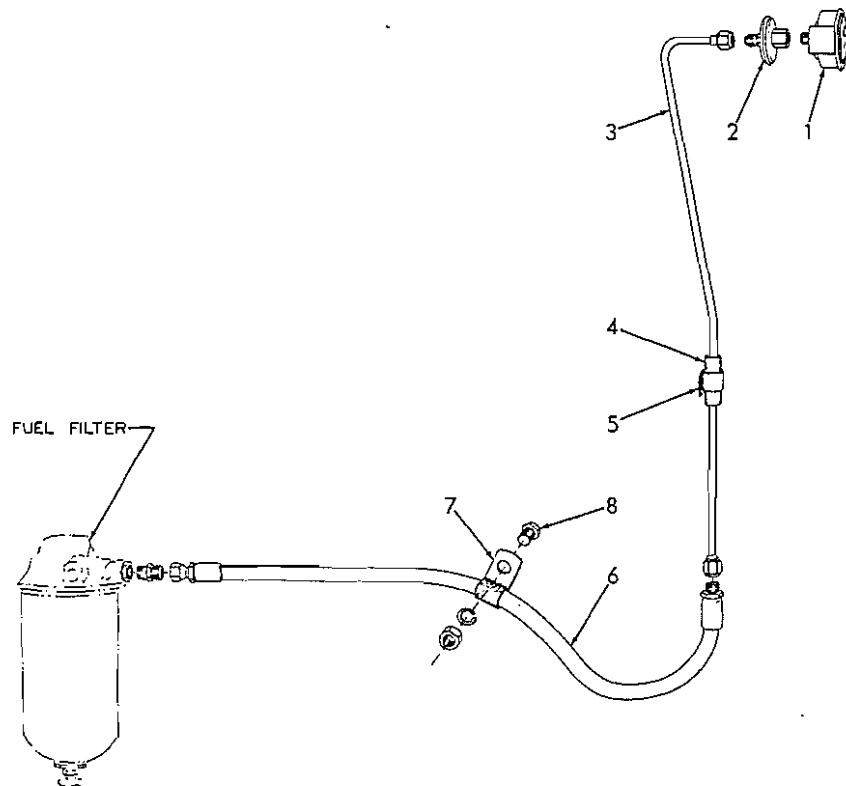


**TRANSMISSION HYDRAULIC PRESSURE GAUGE**

T-41931

\* Tractors prior to serial No. 12201  
 \*\* Tractors serial No. 12201 and up

ITEM	PART NO.	QTY.	*	**	DESCRIPTION
1	{ 70658277 70666185	1	1	1	GAUGE (240 lb.)(Tractors prior to #13367)
		-	1	1	GAUGE (300 lb.)(Tractors #13367 and up)
2	70641647	1	-	-	TUBE ASSEMBLY (Includes nuts)
	70919174	1	-	-	CONNECTOR, flare type, 1/4" tube, 1/8"NPT female
3	70093972	2	-	-	BOOT, tube protecting (rubber)
4	70047381	2	-	-	CLIP, tube supporting
5	70036 032	1	-	-	CAPSCREW, 3/8"NF x 3/4"
	70904206	1	-	-	LOCKWASHER, 3/8"
	70911041	1	-	-	NUT, 3/8"NF
6	70630171	1	-	-	ANGLE, tube supporting
7	70036032	1	-	-	CAPSCREW, 3/8"NF x 3/4"
	70904206	1	-	-	LOCKWASHER, 3/8"
8	70643698	1	-	-	HOSE (See HOSE PARTS)
	70919140	1	-	-	CONNECTOR, flare type, 1/4" tube, 1/4"NPT male
9	70094527	1	-	-	CLIP, hose supporting
10	{ 70650957 70654052	-	1	1	HOSE (15" long)(Tractors prior to #13368) } See HOSE PARTS
	70919174	-	1	1	HOSE (12" long)(Tractors #13368 and up)
	70919140	-	1	1	CONNECTOR, flare type, 1/4"tube, 1/8"NPT female
		-	1	1	CONNECTOR, flare type, 1/4" tube, 1/4"NPT male



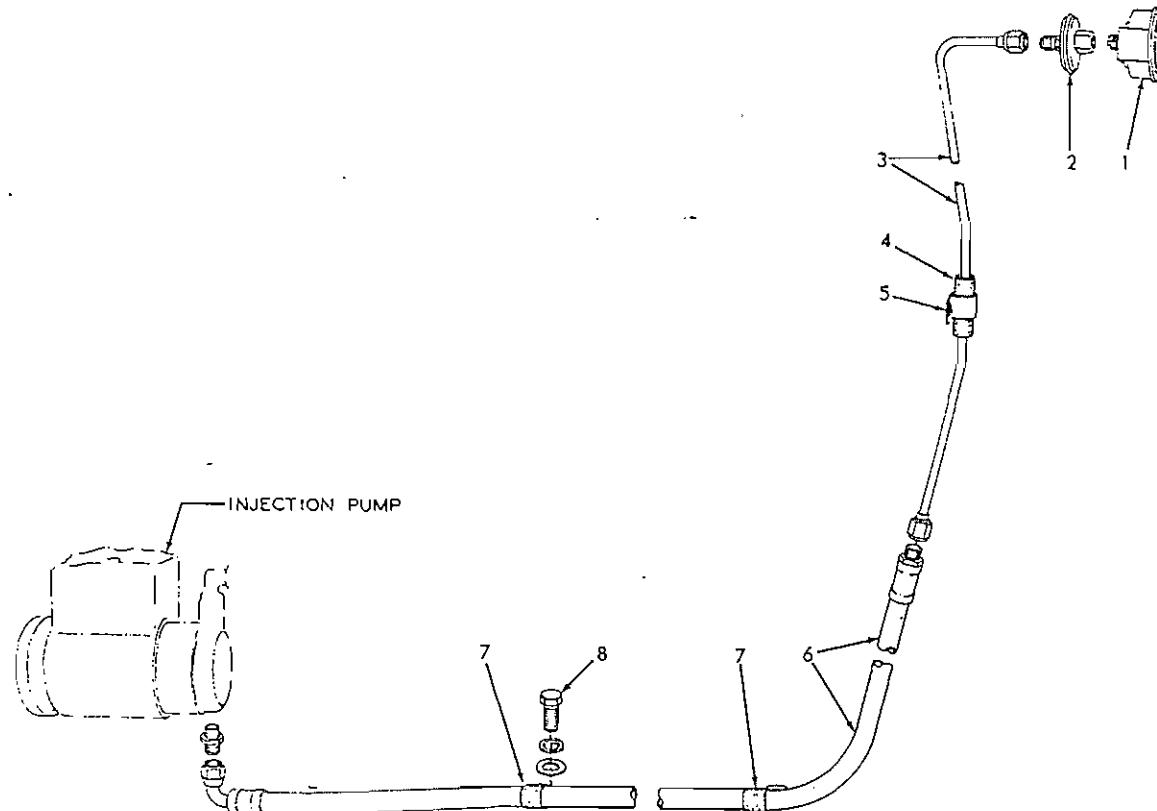
**FUEL PRESSURE GAUGE**

T-41920

USAGE: Tractors prior to serial No. 12201

**ITEM PART NO. QTY. DESCRIPTION**

1	70091589	1	GAUGE (Includes mounting clamp)
2	70088534	1	RESTRICTOR
3	70641645	1	TUBE ASSEMBLY (Includes nuts)
4	70093972	1	BOOT, tube protecting (rubber)
5	70047381	1	CLIP, tube supporting
6	70641650 70919140 70901826	1 1 1	HOSE (See page 6) CONNECTOR, flare type, 1/4" tube, 1/4"NPT male BUSHING, pipe reducing, 3/8"NPT to 1/4"NPT
7	70644006	1	CLIP, hose supporting
8	70067480 70904208 70911043	1 1 1	CAPSCREW, 1/2"NF x 3/4" LOCKWASHER, 1/2" NUT, 1/2"NF



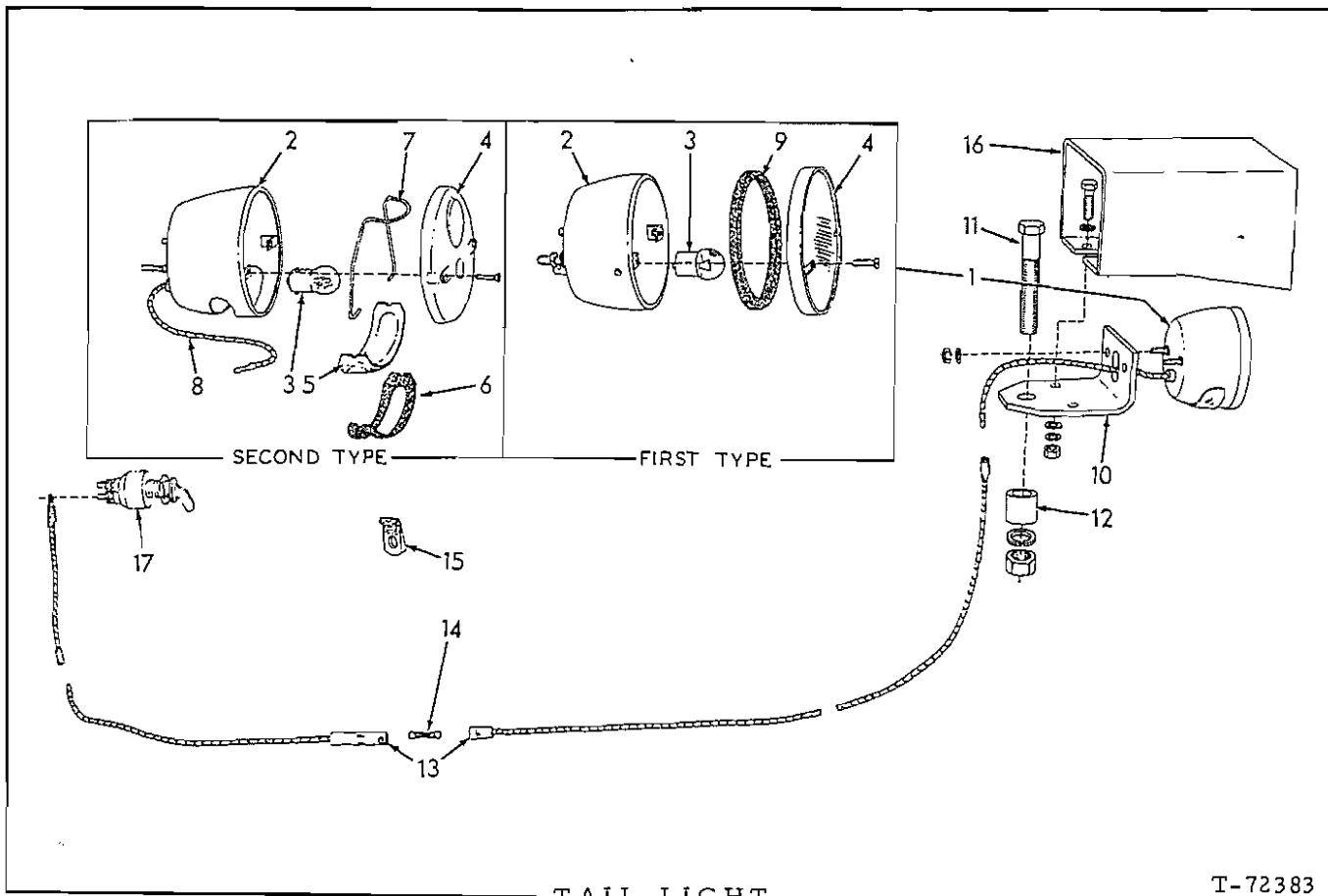
FUEL PRESSURE GAUGE

T-72339

USAGE: Tractors serial No. 12201 thru 13366

ITEM PART NO. QTY. DESCRIPTION

1	70658356	1	GAUGE (Includes mounting clamp)
2	70088534	1	RESTRICTOR
3	70650751	1	TUBE ASSEMBLY (Includes nuts)
4	70093972	1	BOOT, tube protecting (rubber)
5	70047381	1	CLIP, tube supporting
6	70650763 70919171	1	HOSE (See HOSE PARTS) CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
7	70644006	2	CLIP, hose supporting
8	70035244 70904206 70900817	1	CAPSCREW, 3/8"NC x 3/4" LOCKWASHER, 3/8" WASHER, plain, U. S. std., 3/8"



T-72383

USAGE: Special equipment

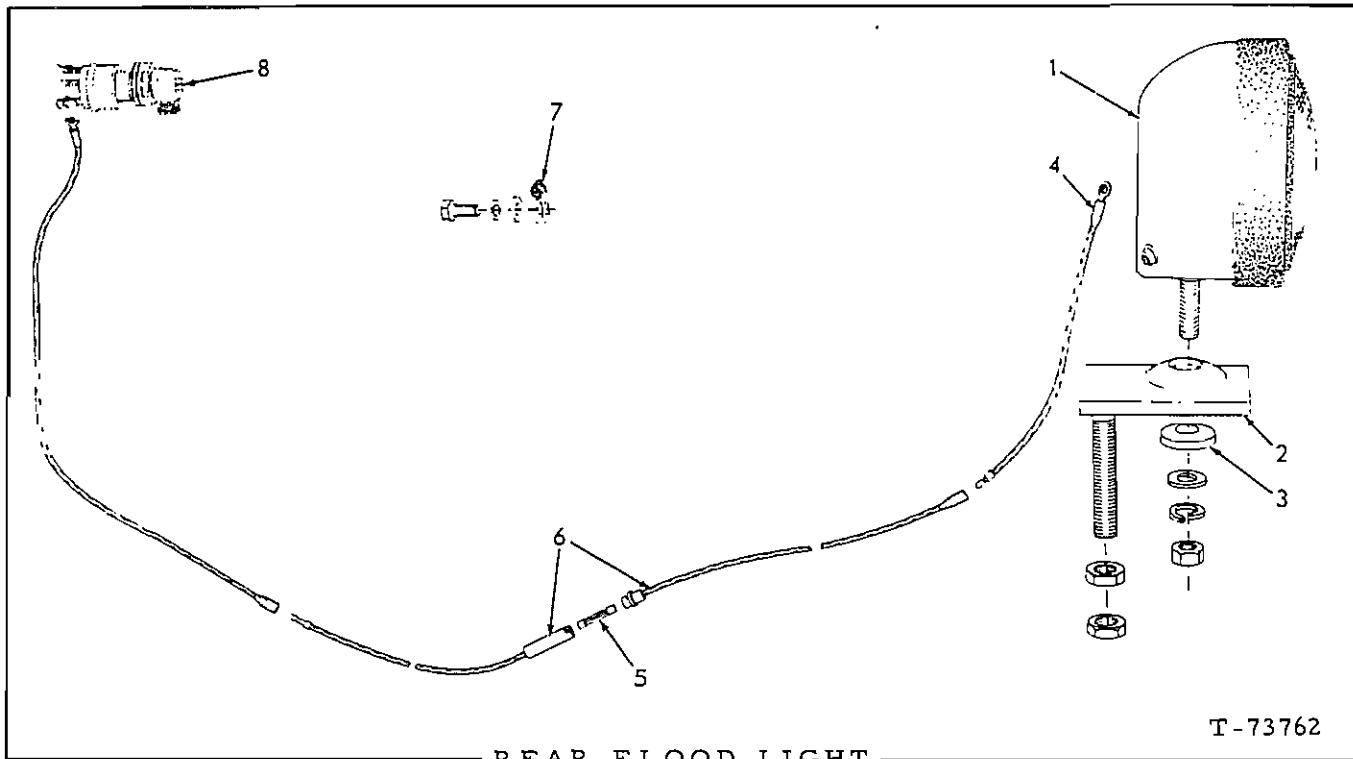
\* Used prior to June 1967  
\*\* Effective June 1967

ITEM	PART NO.	QTY.	DESCRIPTION
		*	**
1	70654652	1	LIGHT ASSEMBLY, tail (Order LIGHT ASSMBLY 70654652)
	70654652	-	LIGHT ASSEMBLY, tail (Consists of items 2 thru 8)
	70904204	2	LOCKWASHER, 1/4"
	70911024	2	NUT, 1/4"NC
2	70074452	1	BODY ASSEMBLY (Not serviced separately)
3	70074452	1	BULB, incandescent, single contact, 6 c.p., 24 volt
4	70917883	1	LENS, tail light (Not available. Order LIGHT ASSY. 70654652)
	70917883	2	SCREW, thread-cutting, rd-hd., #8 x 5/8"
	70654991	-	LENS, tail light (red)
	70654990	-	SCREW, retaining
5	70654988	-	LENS-SEGMENT, tail light (clear)
6	70654989	-	GASKET, lens-segment
7	70654987	-	CLIP, lens-segment retaining

(Continued)

## TAIL LIGHT (Continued)

ITEM	PART NO.	QTY. * **	DESCRIPTION
8	70654986	- 1	WIRE ASSEMBLY, tail light (Includes insulating bushing)
9	70629189	1 -	GASKET, tail light lens
10	70067110	1 1	BRACKET, tail light mounting
11	70066862	1 1	CAPSCREW, 5/8"NF x 4"
	70904209	1 1	LOCKWASHER, 5/8"
	70911044	1 1	NUT, 5/8"NF
12	70067112	1 1	BLOCK, spacing, mounting bracket
13	70655438	1 1	CABLE ASSEMBLY (114" long. Includes item 14)
14	70208960	1 1	FUSE, cartridge type (1/4" x 1-1/4", 20 amperes)
15	{ 70639312	1 1	CLIP, cable (3/16" diam., 9/16" bolt-slot)
	70639388	2 2	CLIP, cable (1/8" diam., 13/32" bolt-hole)
	70035244	1 1	CAPSCREW, 3/8"NC x 3/4"
	70904206	1 1	LOCKWASHER, 3/8"
	70911115	1 1	WASHER, plain, SAE std., 3/8"
16	70647139	1 1	GUARD, tail light
	70012992	2 2	CAPSCREW, 3/8"NF x 1-1/4"
	70044973	4 4	WASHER, plain
	70904206	2 2	LOCKWASHER, 3/8"
	70911041	2 2	NUT, 3/8"NF
17	-----	1 1	SWITCH, lights (See LIGHTS AND WIRING)



T-73762

REAR FLOOD LIGHT

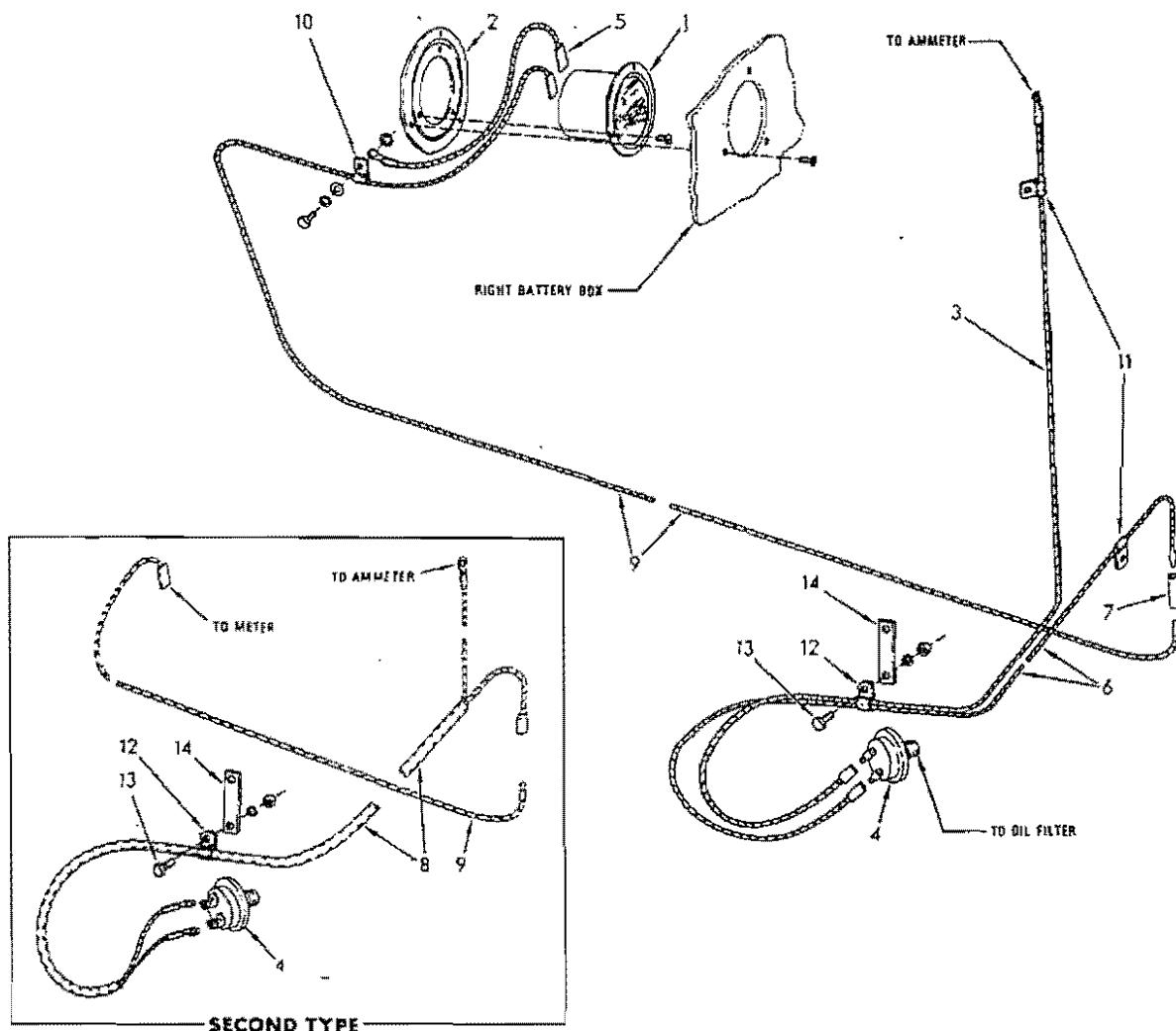
USAGE: Special equipment

ITEM PART NO. QTY. DESCRIPTION

1	70621429 70900818 70904208 70911043	1 1 1 1	LIGHT ASSEMBLY (See page 323 for parts) WASHER, plain, U.S. std., 1/2" LOCKWASHER, 1/2" NUT, 1/2"NF
2	70094630 70911044	1 1	BRACKET, mounting NUT, .5/8"NF
3	70075535	1	WASHER, mounting
4	70068367	1	CABLE, rear section (9" long)
5	70208960	1	FUSE, cartridge type (1/4" x 1-1/4", 20 amperes)
6	70655438	1	CABLE ASSEMBLY, front section (114" long. Includes item 5)
7	{ 70639312 70639388	1 3	CLIP, cable (3/16" diam., 9/16" bolt-slot) CLIP, cable (1/8" diam., 13/32" bolt-hole)
	70035244 70904206 70911115	1 1 1	CAPSCREW, 3/8"NC x 3/4" LOCKWASHER, 3/8" WASHER, plain, SAE std., 3/8"
8	-----	1	SWITCH, lights (See LIGHTS AND WIRING)

(Revised May 1979)

M E M O



T-41940

HOUR METER

USAGE: Special equipment

\* Tractors prior to serial No. 13367  
\*\* Tractors serial No. 13367 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	70650299 70918210	1    3	METER, hour (24 volt) SCREW ASSEMBLY, #6 x 1/2" (Includes lockwasher)
2	70066467 70918210	1    3	DAMPER, vibration SCREW ASSEMBLY, #6 x 1/2" (Includes lockwasher)

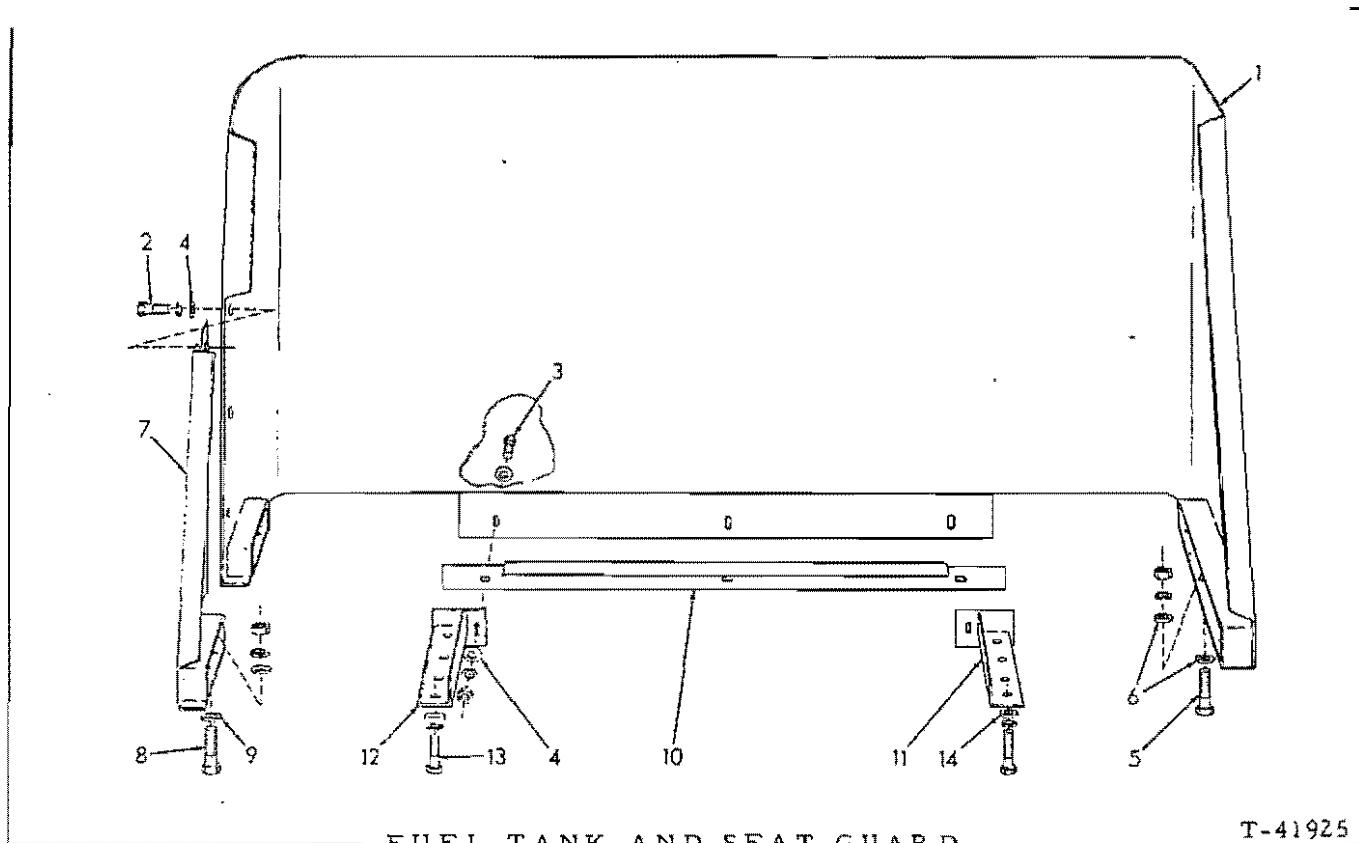
NOTE: Meter carries manufacturer's warranty and in case of failure should not be returned to Fiat Allis. Return "Hobbs" meter to nearest "Stewart-Warner" agency. Return "Hamilton" meter to Hamilton Watch Company, Industrial Products Division, Lancaster, Pa.

3	70638942	1	- CABLE, pressure switch to ammeter (50" long)
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(Continued)

## HOUR METER (Continued)

ITEM	PART NO.	QTY.	* ** DESCRIPTION
4	70640727 70660694	1 -	SWITCH, pressure (spade terminals) SWITCH, pressure (screw terminals)
5	70630917 70909367	1 1	CABLE, meter to ground (8" long) LOCKWASHER, int-tooth, 1/4"
6	70641214	1	- CABLE, pressure switch to connector (42" long)
7	70048142	1	- CONNECTOR, meter cable
8	70660693	-	1 WIRING HARNESS, pressure switch (2 cables)
9	70640706	1	1 CABLE, connector to meter (115" long)
10	70640707 70047478 70904204 70911114	2 2 2 2	CLIP, hour meter cable (1/8" diam., 9/32" bolt-hole) CAPSCREW, 1/4"NC x 5/8" LOCKWASHER, 1/4" WASHER, plain, SAE std., 1/4"
11	70639388	3	2 CLIP, cable (1/8" diam., 13/32" bolt-hole)
12	70640676	2	3 CLIP, cable (5/16" diam., 13/32" bolt-hole)
13	70035979 70904206 70911041	1 1 1	CAPSCREW, 3/8"NF x 5/8" LOCKWASHER, 3/8" NUT, 3/8"NF
14	70644162	1	1 STRAP, clip supporting



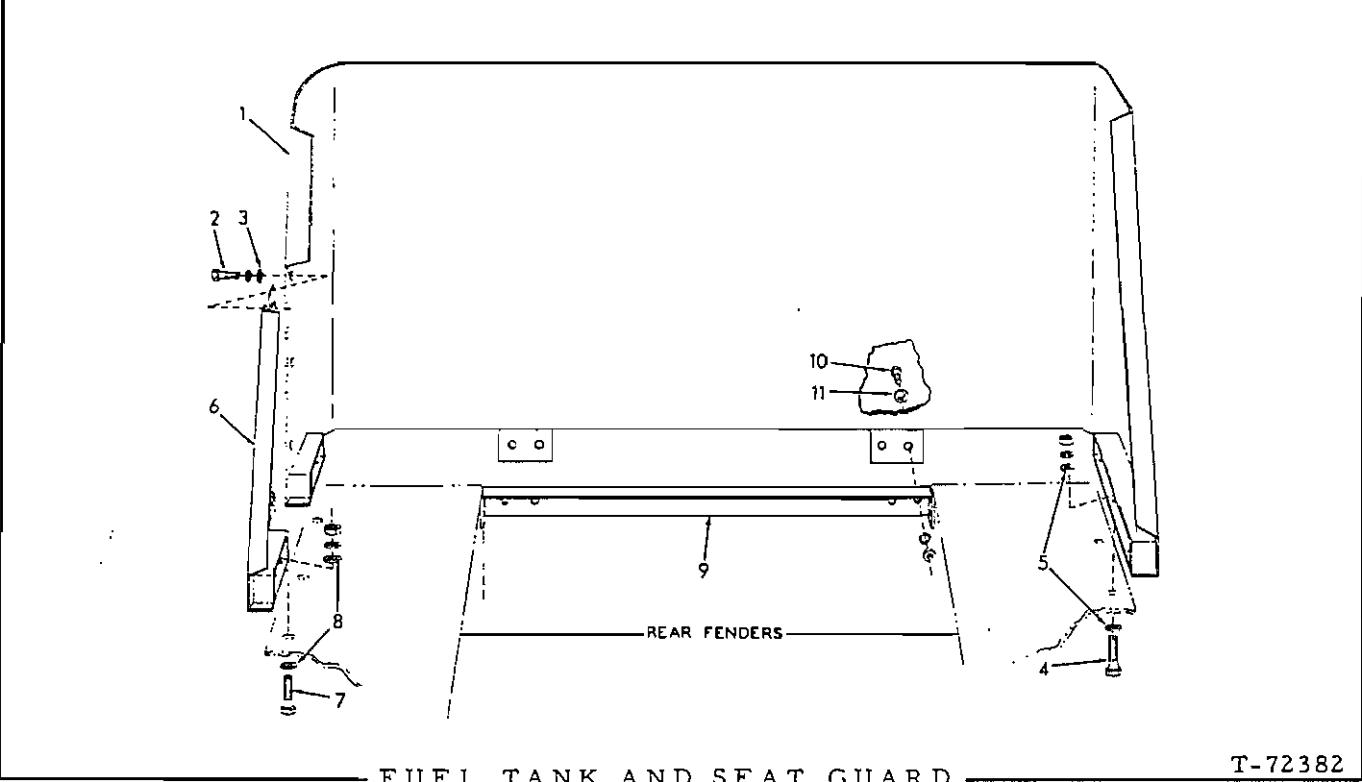
FUEL TANK AND SEAT GUARD

T-41925

USAGE: Special equipment for tractors prior to serial No. 12201. For tractors engaged in logging operations. Requires reinforced fenders for installation.

ITEM PART NO. QTY. DESCRIPTION

1	70638521	1	GUARD (large)
2	70035018	3	CAPSCREW, 1/2"NF x 1-1/2" (Early units)
	70035190	3	CAPSCREW, 1/2"NC x 1-1/2" (Late units)
3	70035068	3	CAPSCREW, 1/2"NF x 2-1/4"
4	70064531	9	WASHER, plain
	70904208	6	LOCKWASHER, 1/2"
	70911043	3	NUT, 1/2"NF
5	70035248	5	CAPSCREW, 5/8"NF x 2-1/4"
6	70064810	10	WASHER, plain
	70904209	5	LOCKWASHER, 5/8"
	70911044	5	NUT, 5/8"NF
7	70648278	1	GUARD (small)
8	70035248	2	CAPSCREW, 5/8"NF x 2-1/4"
9	70064810	4	WASHER, plain
	70904209	2	LOCKWASHER, 5/8"
	70911044	2	NUT, 5/8"NF
10	70638514	1	ANGLE, guard supporting
11	70641359	1	ANGLE, attachment, left side
12	70641360	1	ANGLE, attachment, right side
13	70035067	8	CAPSCREW, attachment angle (1/2"NF x 2") (Replaces standard CAPSCREW 70035073. Also attaches fuel tank)
	70904208	8	LOCKWASHER, 1/2"
14	70064531	8	WASHER, plain



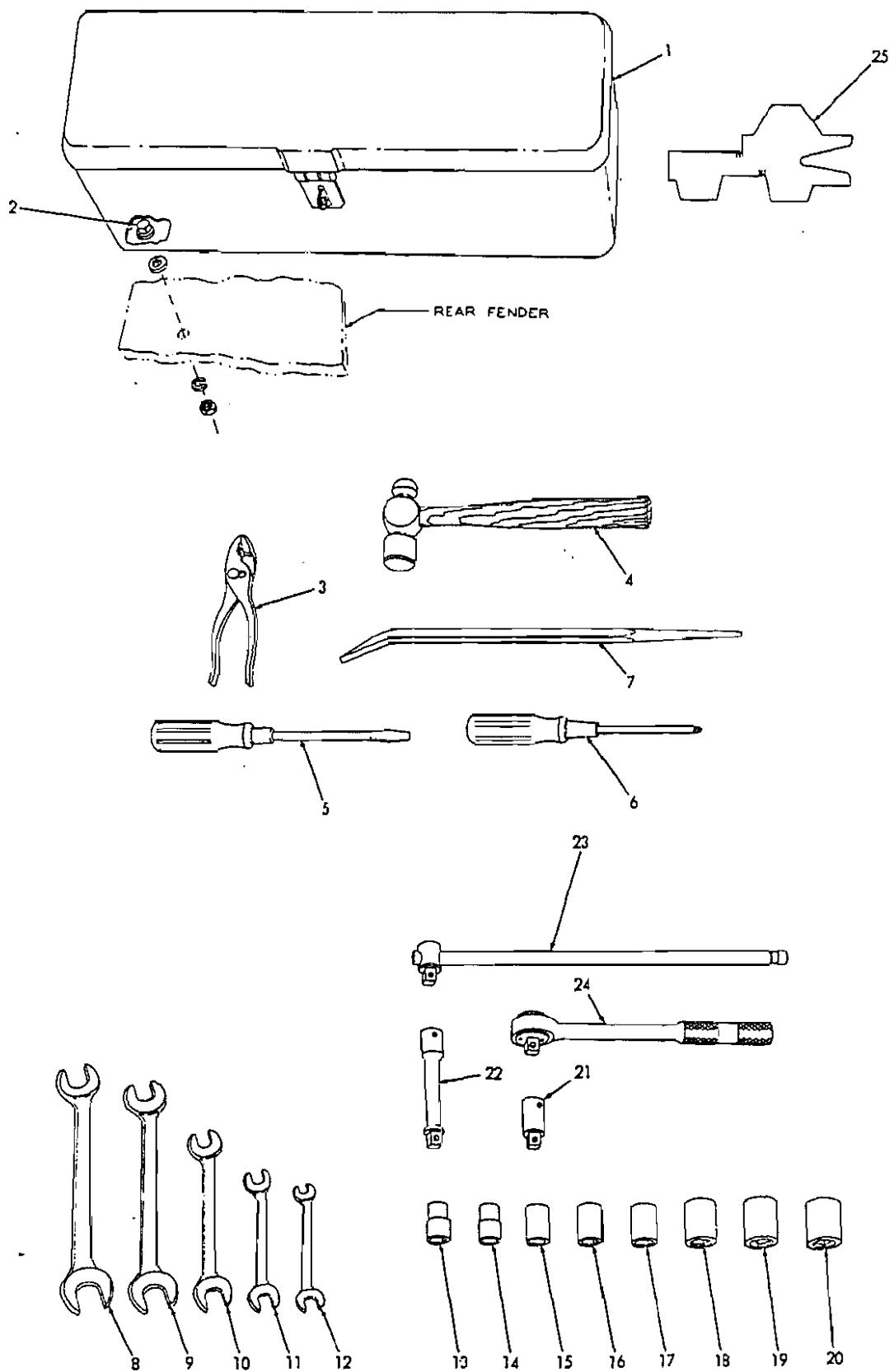
FUEL TANK AND SEAT GUARD

T-72382

USAGE: Special equipment for tractors serial No. 12201 and up. For tractors engaged in logging operations. Requires reinforced fenders.

ITEM PART NO. QTY. DESCRIPTION

1	70651055	1	GUARD (large)
2	70035190	3	CAPSCREW, 1/2"NC x 1-1/2"
3	70064531	3	WASHER, plain
	70904208	3	LOCKWASHER, 1/2"
4	70035248	5	CAPSCREW, 5/8"NF x 2-1/4"
5	70064810	10	WASHER, plain
	70904209	5	LOCKWASHER, 5/8"
	70911044	5	NUT, 5/8"NF
6	70648278	1	GUARD (small)
7	70035248	2	CAPSCREW, 5/8"NF x 2-1/4"
8	70064810	4	WASHER, plain
	70904209	2	LOCKWASHER, 5/8"
	70911044	2	NUT, 5/8"NF
9	70651015	1	ANGLE, guard supporting (Replaces standard ANGLE 70650819)
10	70035073	4	CAPSCREW, 1/2"NF x 1-3/4"
11	70064531	4	WASHER, plain
	70904208	4	LOCKWASHER, 1/2"
	70911043	4	NUT, hex, 1/2"NF



SPECIAL TOOLS

I-17464

# SPECIAL TOOLS

ITEM	PART NO.	QTY.	DESCRIPTION
1	70604943	1	BOX, tool (Mounts on right track fender)
2	70012992	4	CAPSCREW, 3/8"NF x 1-1/4"
	70911115	4	WASHER, plain, SAE std., 3/8"
	70904206	4	LOCKWASHER, 3/8"
	70911041	4	NUT, 3/8"NF
	70630753	4	WASHER, plain (For spacing)
3	70012389	1	PLIERs, slip joint, 6"
4	70012387	1	HAMMER, ball peen, 1 lb.
5	70036268	1	SCREWDRIVER, 9-3/4" long
6	70914732	1	SCREWDRIVER, Phillips #2
7	70052371	1	BAR, pinch, 16" long
8	70050611	1	WRENCH, open end, double head, 15°, 15/16" and 1-1/16"
9	70050610	1	WRENCH, open end, double head, 15°, 3/4" and 7/8"
10	70050609	1	WRENCH, open end, double head, 15°, 5/8" and 3/4"
11	70050608	1	WRENCH, open end, double head, 15°, 1/2" and 9/16"
12	70050607	1	WRENCH, open end, double head, 15°, 5/16" and 3/8"
13	70914709	1	SOCKET, 1/2" square drive, 1/2" hex
14	70914710	1	SOCKET, 1/2" square drive, 9/16" hex
15	70914711	1	SOCKET, 1/2" square drive, 5/8" hex
16	70914712	1	SOCKET, 1/2" square drive, 11/16" hex
17	70914713	1	SOCKET, 1/2" square drive, 3/4" hex
18	70914714	1	SOCKET, 1/2" square drive, 7/8" hex
19	70914715	1	SOCKET, 1/2" square drive, 15/16" hex
20	70914716	1	SOCKET, 1/2" square drive, 1" hex
21	70914717	1	BAR, extension, socket, 1/2" drive, 2" long
22	70914718	1	BAR, extension, socket, 1/2" drive, 5" long
23	70050612	1	HANDLE, socket, sliding T, 1/2" square drive, 15" long
24	70914719	1	HANDLE, socket, ratchet, 1/2" square drive
25	70644400	1	GAUGE, wear (Provides maximum wear tolerances for track rails, grouser shoes, sprockets, idlers and track rollers)

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