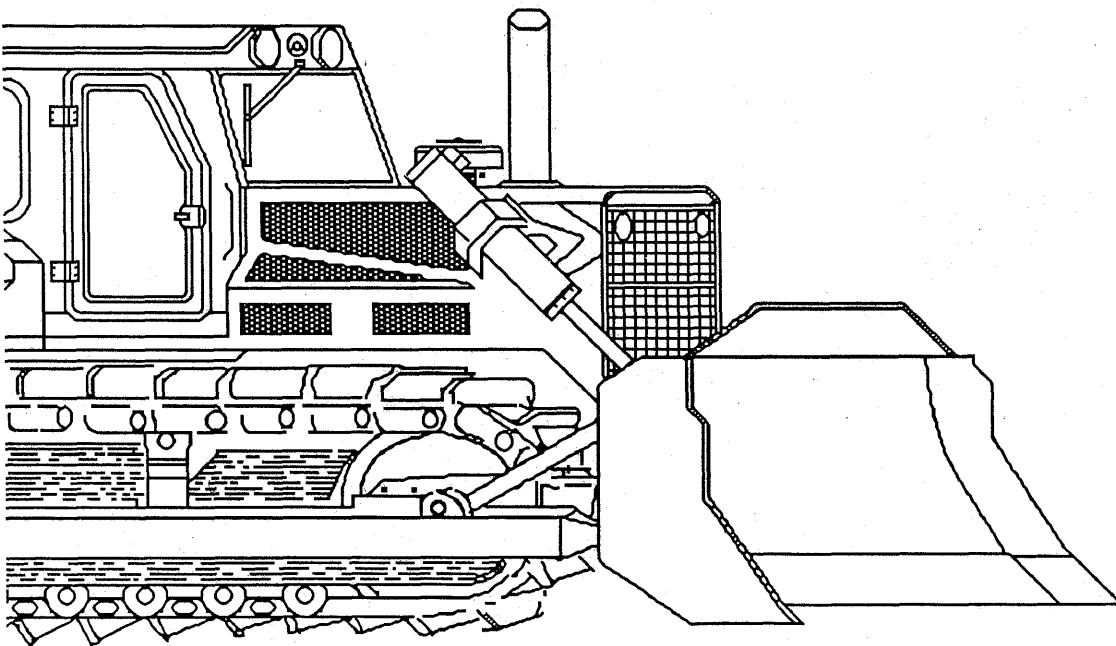


HD-11EP

CRAWLER TRACTOR

Parts Catalog



Form 70651804
English 1/89

Never
forget cover

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.

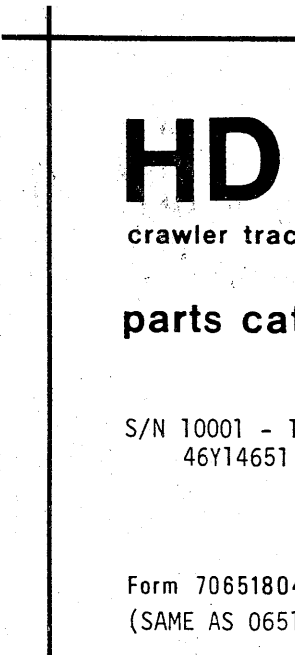
NATIONAL SAFETY COUNCIL

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	70628300
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	70656638
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. _____

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.

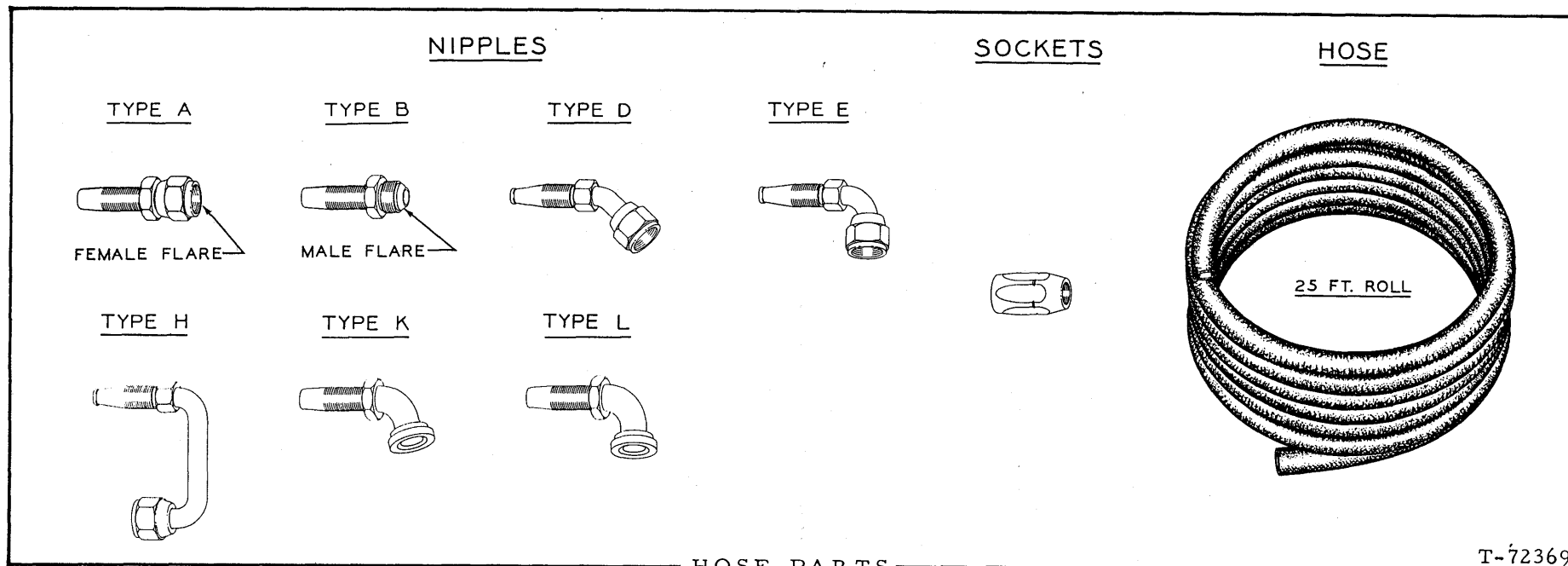
TRACTOR MODEL	*SERIAL NO.	
	PRODUCT CODE	UNIT NO.
HD-11EP	4 6 Y 1	4 6 5 1

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
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Bottom Guards -----	259	Intermediate Shaft -----	201, 202
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Brake Drum -----	204	Outboard Bearing and Seal -----	207
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Connecting Rod -----	19	Flywheel and Housing -----	26
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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
Elements		Engine Oil Pressure -----	342, 343
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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
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Hydraulic Steering Control Strainer -----	218	Transmission Lube Oil Pressure -----	344
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Transmission Oil Filter -----	174	Generator -----	326
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Engine and Mounting -----	14	Ground Speed Governor -----	183
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Equalizing Spring -----	266	Hydraulic Track Adjuster -----	285, 287
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Fan Drive -----	123	Injection Pump -----	61, 62

ALPHABETICAL INDEX

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Head -----	319, 321	Street Plate -----	289
Rear Flood -----	350	Tail Light -----	348
Tail -----	348	Thermostat -----	126
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Lubricating Oil Filter and Cooler -----	43	Timing Gear Housing -----	21, 23
Main Frame -----	256	Timing Gears -----	24, 33, 61, 62
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Engine Primer -----	109	Input Shaft -----	159
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Push-Start -----	179	Transmission Oil Level Gauge -----	153
Scavenging Oil -----	41	Transmission Oil Pump & Filter -----	165, 169, 173
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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
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Starter -----	324	Valve Operating Mechanism -----	33
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Steering Clutches -----	199	Water Pump -----	124



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

HOSE ASSEMBLY NO. (See NOTE)	BULK HOSE (25' roll)	HOSE LENGTH (inches)	NIPPLE (#1 end)			NIPPLE (#2 end)			SOCKET (both ends)	NIPPLE FLANGE		CRIMPED- TYPE HOSE (See NOTE) Part No.
			Including SOCKET	NIPPLE only	Type	Including SOCKET	NIPPLE only	Type		Part No.	X Dim	
74335583	70919196	10-1/8	70920847	70920301	A	70920862	70919194	E	70919143			
74335931	70919196	7	70920862	70919194	E _{short}	70920869	70919253	E _{long}	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

	70919155	13-1/4	70920864	70919082	E	70920864	70919082	E	70919075				70637873
	70919156	32-5/8	70920858	70919080	B	70920880	70919254	D	70919076				70637890
	70919156	50-3/4	70920850	70920303	A	70920850	70920303	A	70919076				70638205
	70919155	91-3/8	70920849	70920302	A	70920864	70919082	E	70919075				70639411
	70919155	93-1/4	70920864	70919082	E	70920864	70919082	E	70919075				70639412
	70919156	59-1/4	70920865	70919081	E	70920865	70919081	E	70919076				70639413
	70919156	36-1/2	70920850	70920303	A	70920865	70919081	E	70919076				70639414
	70919218	6-3/4	70920850	7092303	A	70920880	70919254	D	70919076				70641125
	70920732	20-3/4		70922966	A		70921120	E	70920569				70641337
	70920732	29-3/4		70922966	A		70921156	E	70920569				70641338
	70920732	65-1/2		70921120	E		70924094	K	70920569				70641339
	70919196	30-7/8	70920855	70919144	B	70920862	70919194	E	70919143				70641649
	70919196	26	70920847	70920301	A	70920855	70919144	B	70919143				70641650
	70920222	44-3/8		70920173	L		70920173	L	70919282				70641680
	70920222	36-7/8		70920173	L		70920173	L	70919282				70641711
	70919156	131-3/4	70920880	70919254	D	70920865	70919081	E	70919076				70642519
	70919156	115-3/8	70920880	70919254	D	70920872	70919158	E	70919076				70642520
	70919156	16-1/4	70920880	70919254	D	70920865	70919081	E	70919076				70642521
	70919156	21	70920850	70920303	A	70920880	70919254	D	70919076				70642537
	70919196	34-1/4	70920855	70919144	B	70920862	70919194	E	70919143				70643697
	70919196	22	70920855	70919144	B	70920877	70919207	D	70919143				70643698
	70920221	36-1/2	70920852	70920344	A	70920852	70920344	A	70919281				70643953
	70919155	30-3/4	70920849	70920302	A	70920864	70919082	E	70919075				70644009
	70919155	10-1/4	70920849	70920302	A	70920879	70919159	D	70919075				70644043
	70919156	21-1/2	70920858	70919080	B	70920880	70919254	D	70919076				70644056
	70920732	80-3/4		70922966	A		70924094	K	70920569				70644130
	70919196	26-3/4	70920847	70920301	A	70920862	70919194	E	70919143				70644213
	70919196	34-1/4	70920847	70920301	A	70920862	70919194	E	70919143				70644282
	70919155	8-5/8	70920857	70919079	B	70920864	70919082	E	70919075				70645462
	70919156	46-3/4	70920850	70920303	A	70920865	70919081	E	70919076				70645483
	70919156	56-3/4	70920850	70920303	A	70920865	70919081	E	70919076				70646917

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.

DESCRIPTION

74359122

(Continued)

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

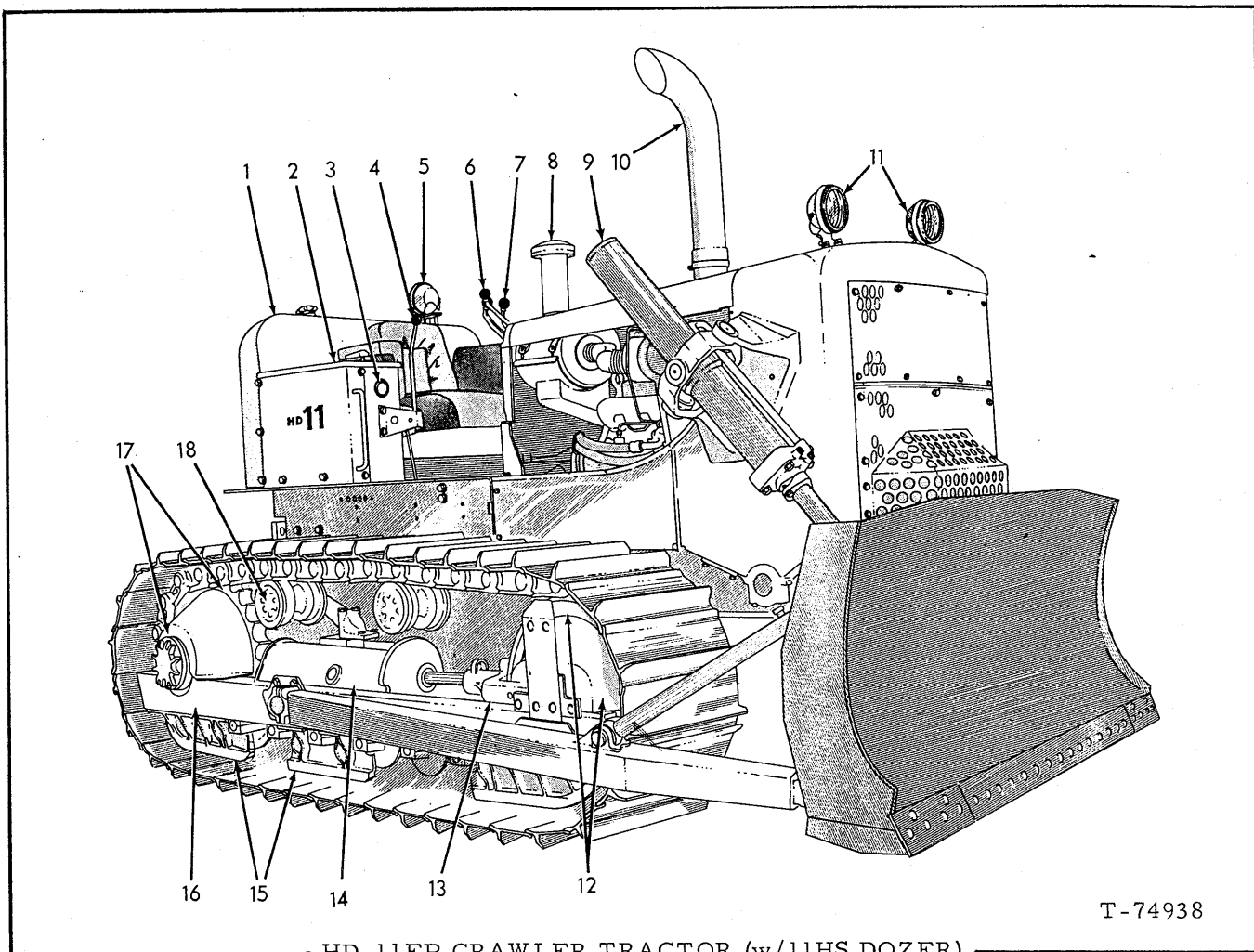
OIL PUMP CONVERSION KIT (Includes "ACULOP" pump, and necessary piping, and oil pan)(Also order 1 Gauge 74320898 and 1 Adapter 74354656)

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)



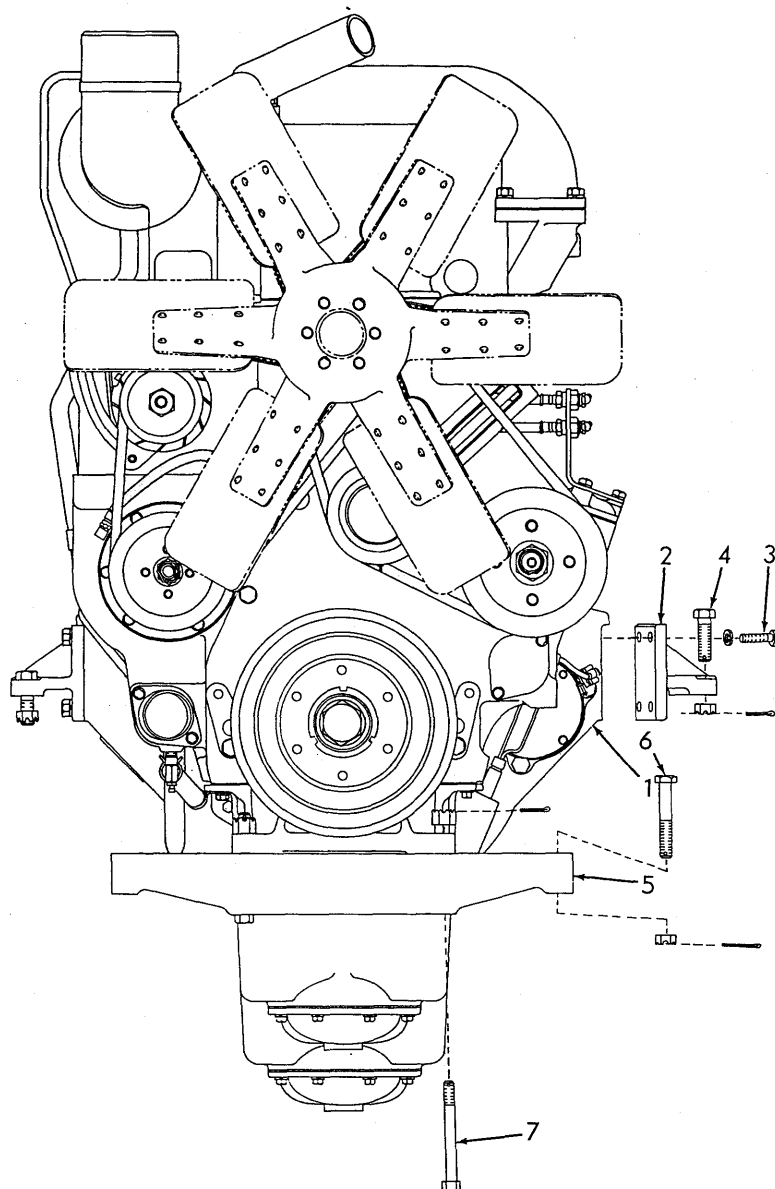
T-74938

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 |

MEMO

MEMO



ENGINE AND MOUNTING

T-72370

ITEM PART NO. QTY. DESCRIPTION

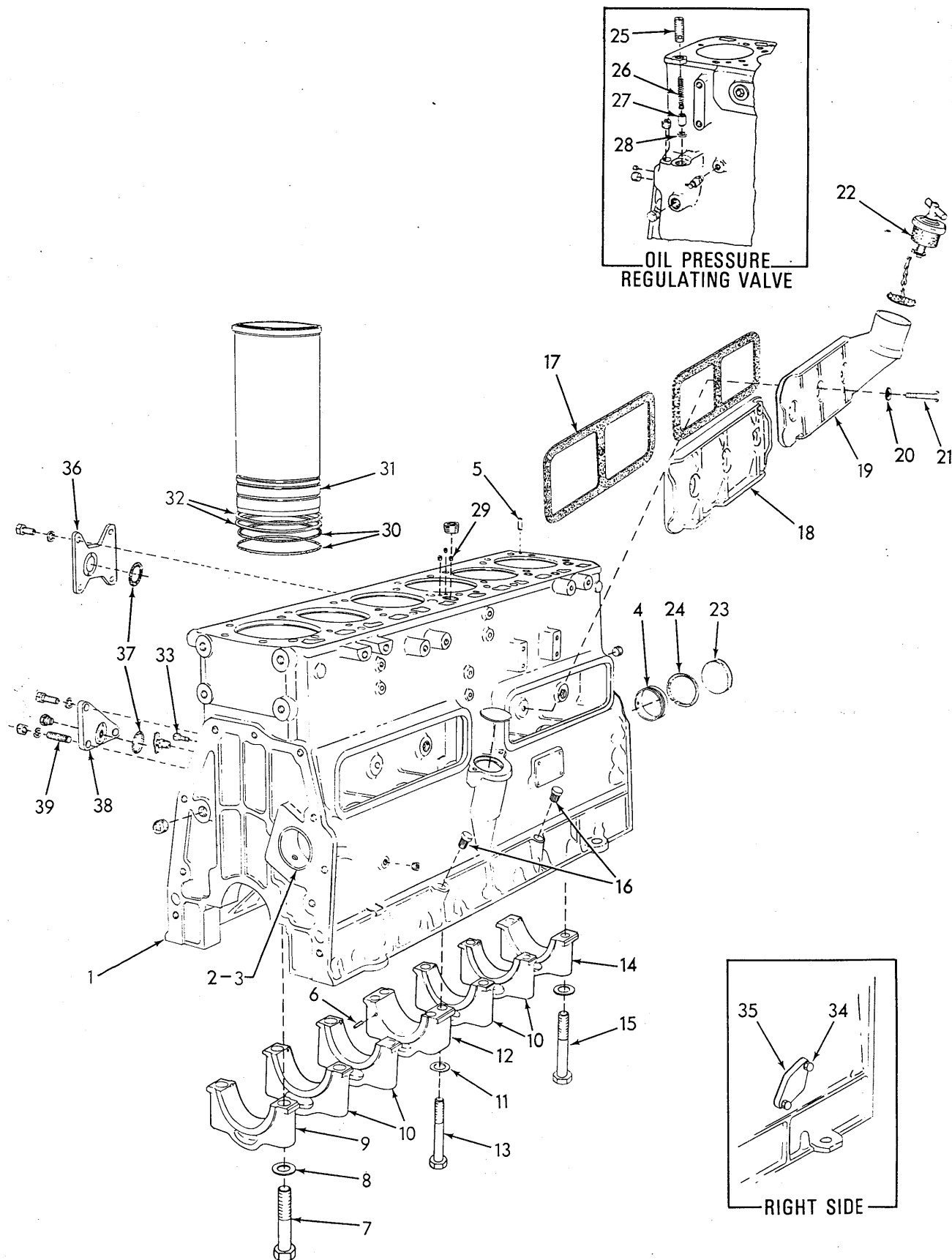
1	-----	1	ENGINE ASSEMBLY (Tractors prior to #12201. Order 74354352 and modify controls to suit)
	74354352	1	ENGINE ASSEMBLY (Tractors #12201 thru #13366)
	74358739	1	ENGINE ASSEMBLY (Tractors #13367 and up)

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

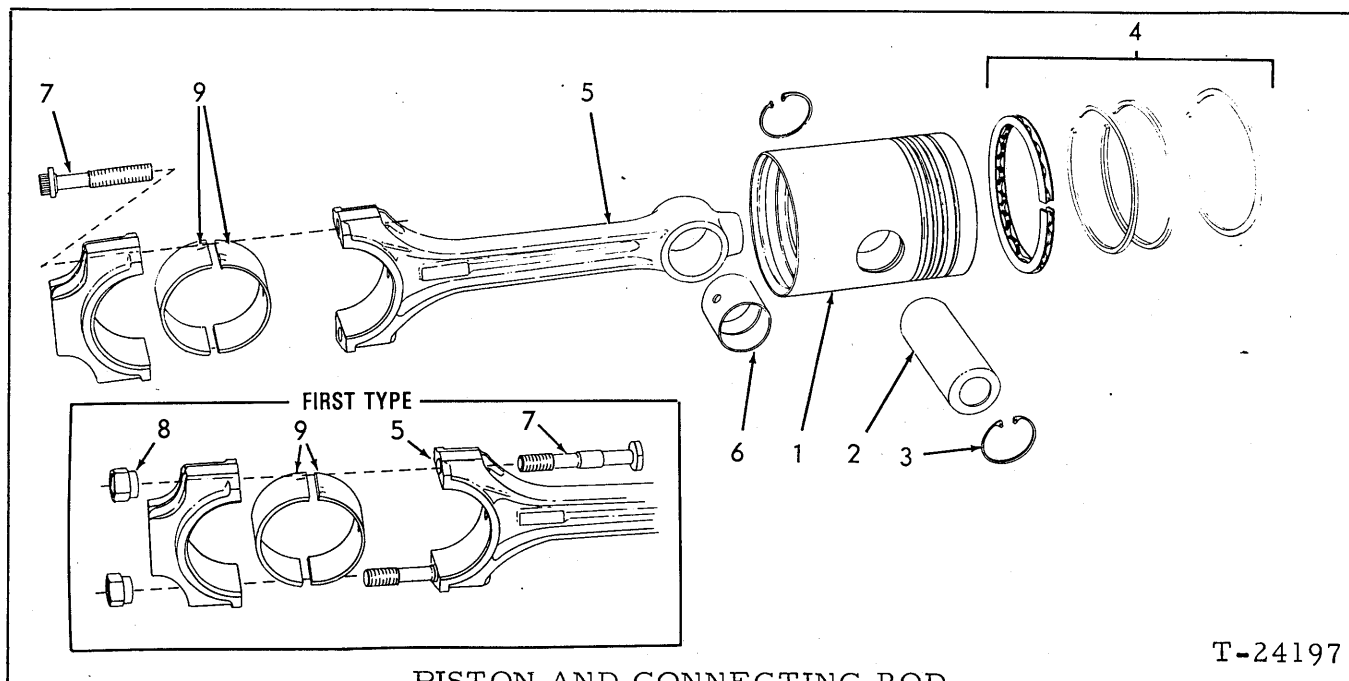
*Replacement bearing caps are semi-finished and must be line-bored after installing.

(Continued)

CYLINDER BLOCK (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
30	74359869	6	O-RING (top)(black and white)
	74359870	6	□ O-RING center (black and blue)
	74337972	6	O-RING; bottom (red)
31	74061746	6	□ 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)
NOTE: 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	□ GASKET, oil drain hole cover
36	74335369	1	PLATE, cover, oil gallery hole, upper
	70916311	4	CAPSCREW, 1/2"NC x 1-1/4"
	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

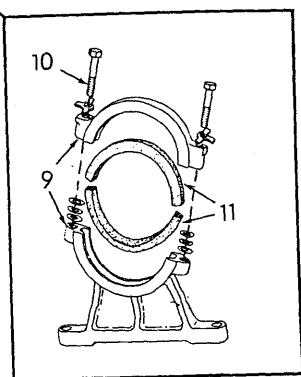
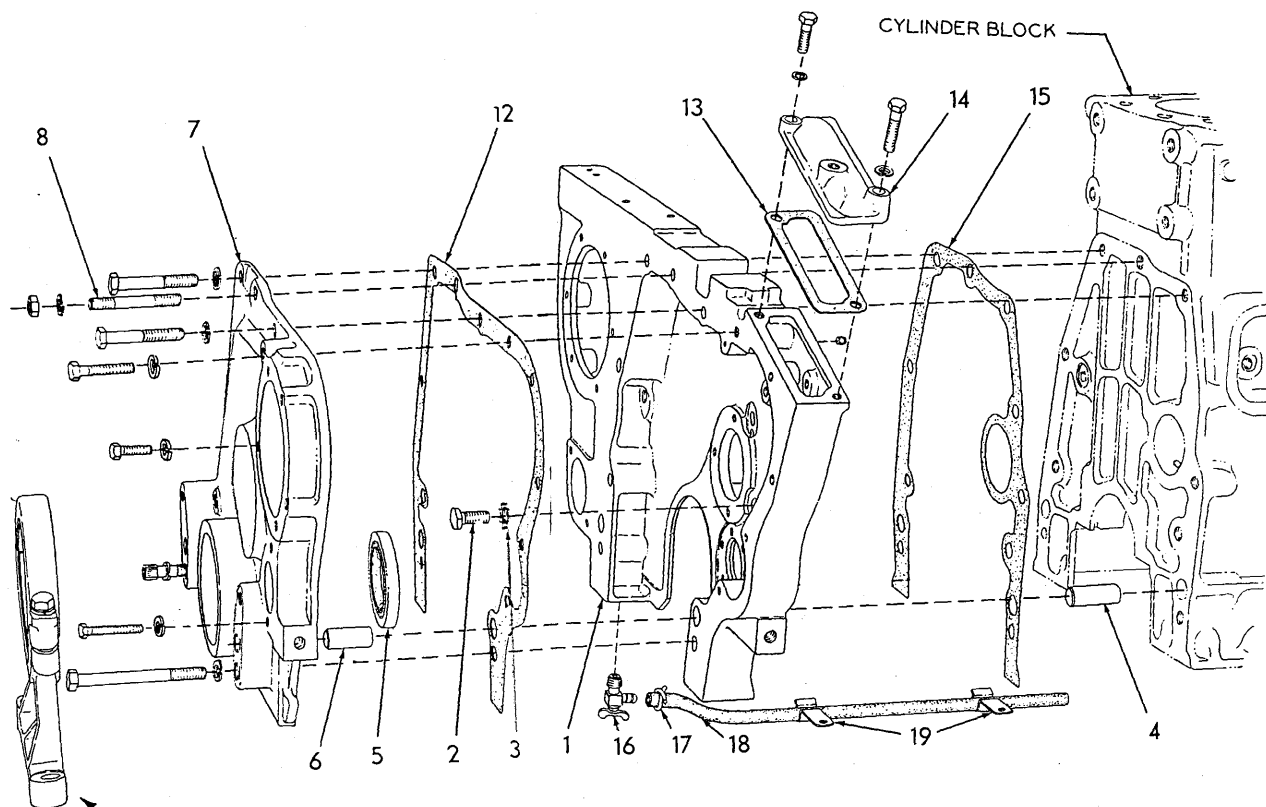
Use as required
when re-machining
cylinder block



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

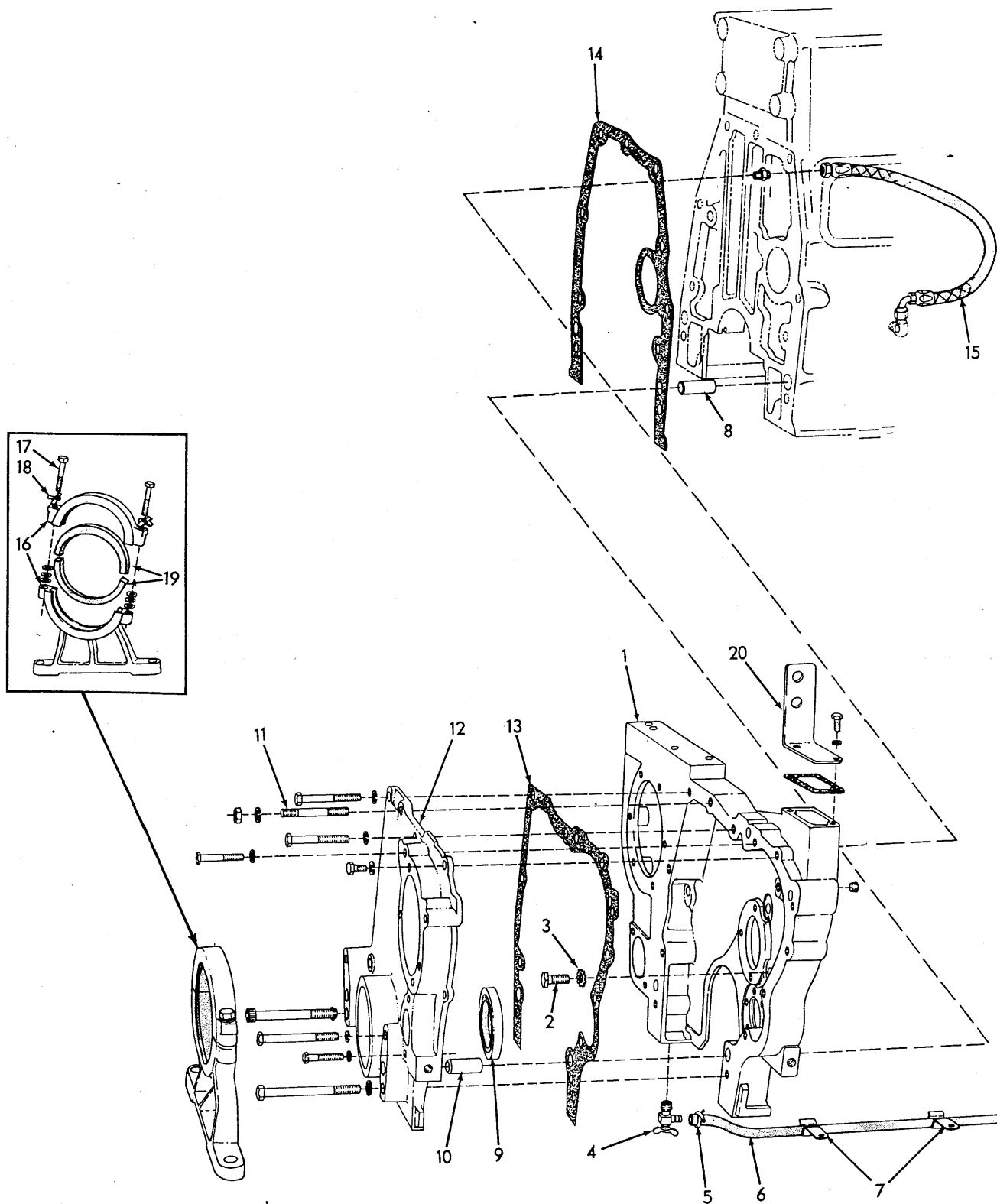
TIMING GEAR HOUSING

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

(Revised May 1979)

651804



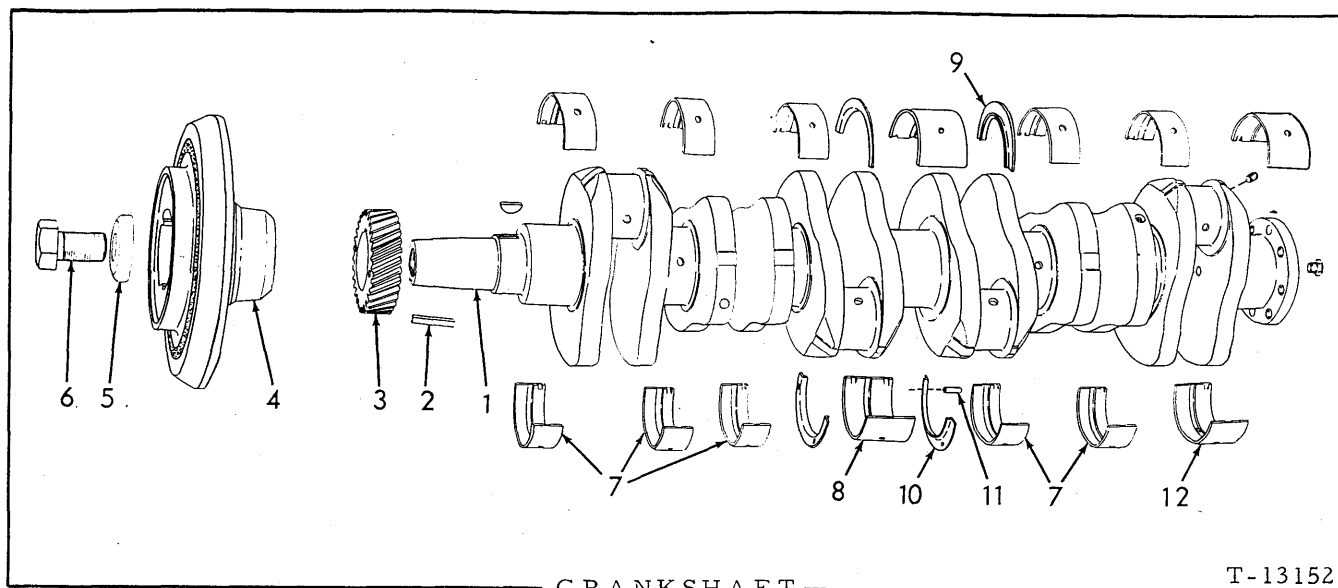
TIMING GEAR HOUSING (Second type)

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)



CRANKSHAFT

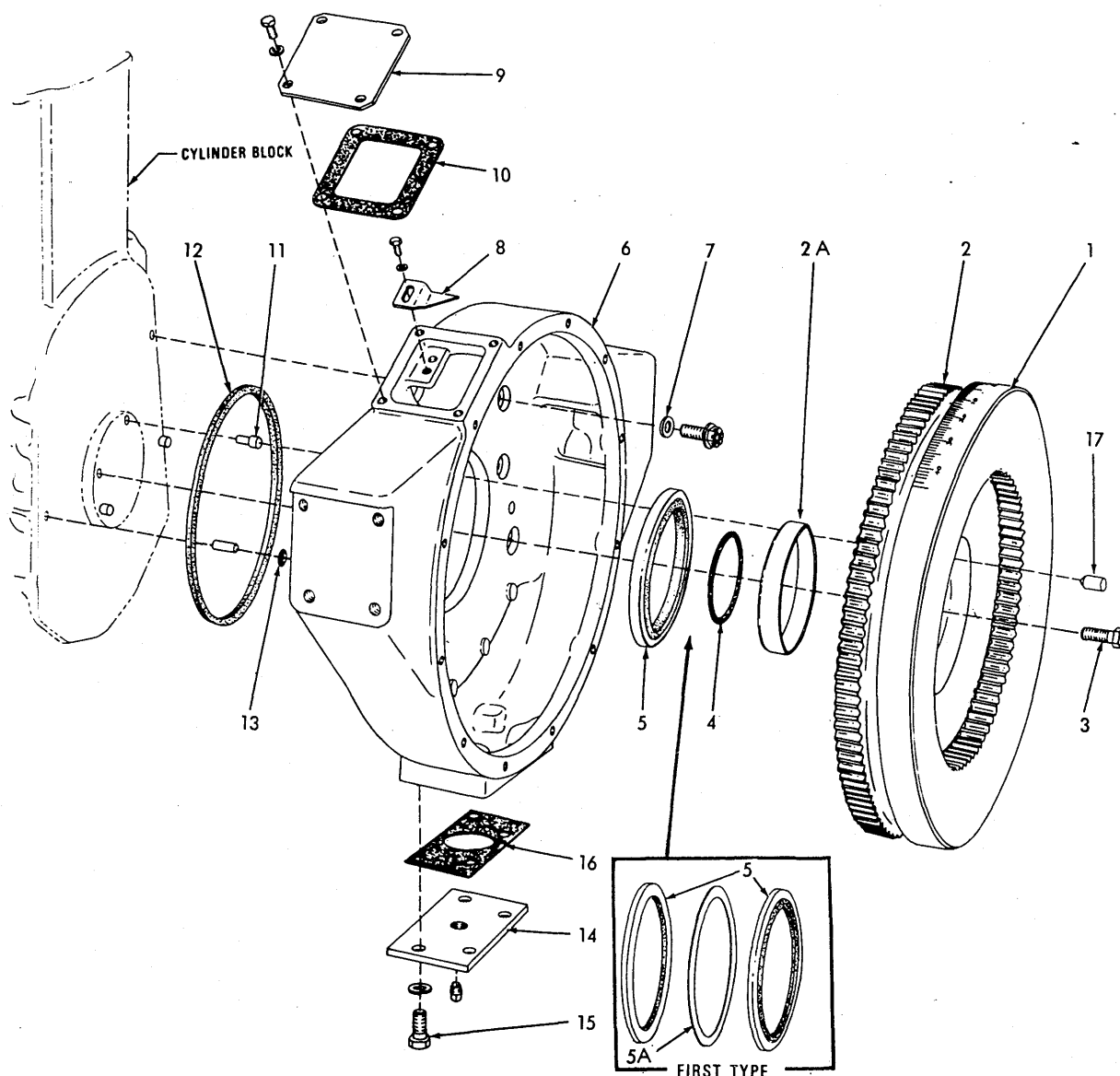
T-13152

ITEM	PART NO.	QTY.	DESCRIPTION
1	74359876	1	CRANKSHAFT ASSEMBLY (Includes PLUGS indented below)
	70917673	6	PLUG, pipe, hex-socket, 1/8"NPT (Early units only)
	70919840	1	PLUG, pipe, hex-head, 1/4"NPT
2	74003490	1	KEY, crankshaft damper
3	74337060	1	GEAR, crankshaft
	70905127	1	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)

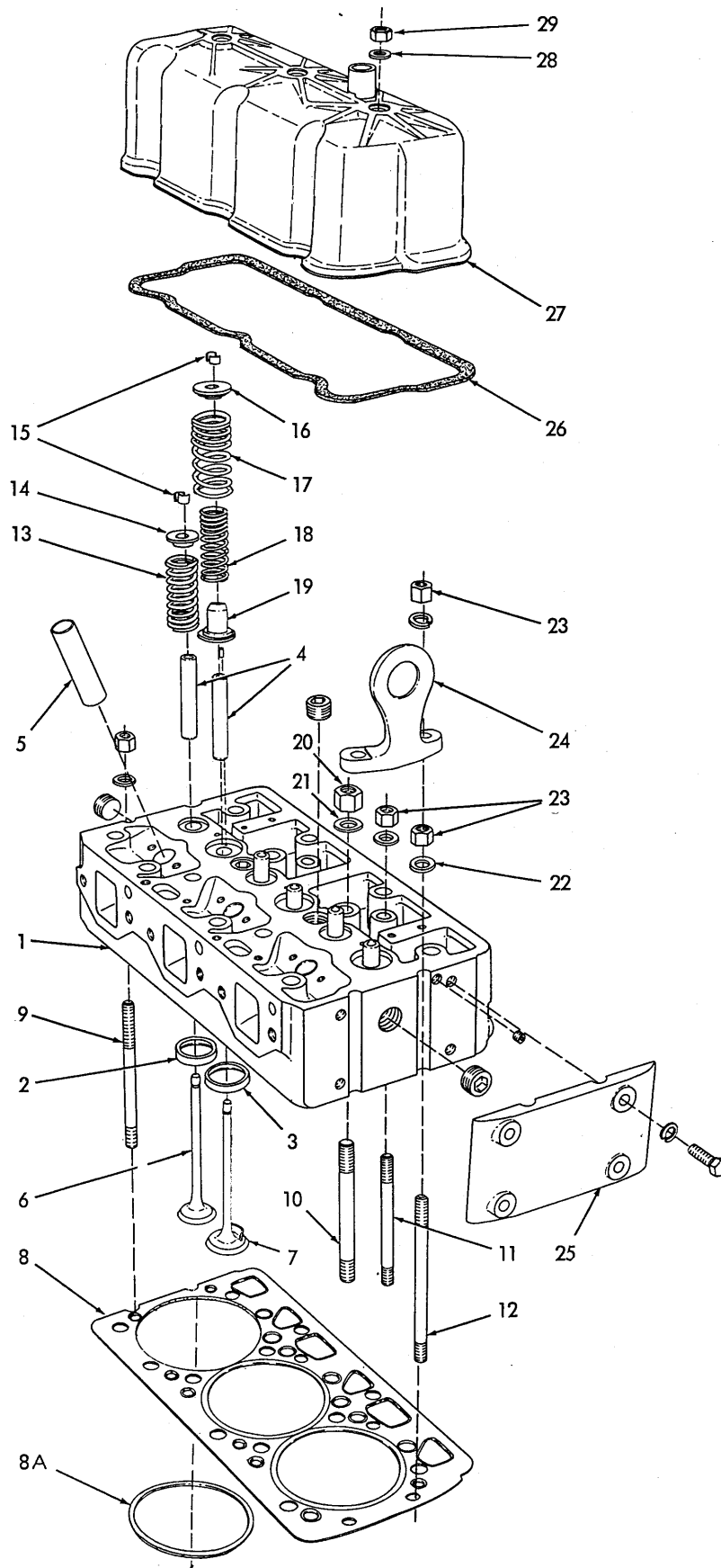
(Continued)

(Revised January 1974)

FLYWHEEL AND HOUSING (Continued)

ITEM	PART NO.	QTY. * **	DESCRIPTION
3	74359806	6 6	BOLT, flywheel
4	70923816	1 1	□ O-RING, flywheel to crankshaft
5	74029500	1 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	- 1	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	- 1	HOUSING, flywheel
	70923239	1 -	CAPSCREW, Nylok, 1/2"NC x 3/4"
	70917021	2 2	PIN, dowel, 1/2" x 1"
7	74752075	9 9	BOLT, self-locking, 1/2"NC x 1-1/4"
	74376749	9 9	WASHER, sealing (Used prior to engine #11-14324)
8	74336609	1 1	POINTER, timing
	70916284	2 2	CAPSCREW, 1/4"NC x 1/2"
	70904204	2 2	LOCKWASHER, 1/4"
9	74358840	1 1	COVER, timing hole
	70916282	4 4	CAPSCREW, 1/4"NC x 7/8"
	70904204	4 4	LOCKWASHER, 1/4"
10	74336676	1 1	□ GASKET, timing hole cover
11	74500300	2 2	DOWEL, flywheel to crankshaft
12	74336897	1 1	RING, sealing, flywheel housing to crankcase
13	70923376	2 2	□ O-RING, flywheel housing dowel pin hole
14	70628512	1 1	□ COVER, bottom, flywheel housing
	70901652	1 1	PLUG, pipe, 1/4"NPT
15	70916311	4 4	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	4 4	LOCKWASHER, 1/2"
16	70629141	1 1	GASKET, bottom cover
17	74359168	1 1	SLUG KIT, dowel sealing (Consists of two lead slugs)

(Revised January 1974)



CYLINDER HEAD

T-24202

CYLINDER HEAD

*Engines prior to serial No. 11-14193

**Engines serial No. 11-14193 and up

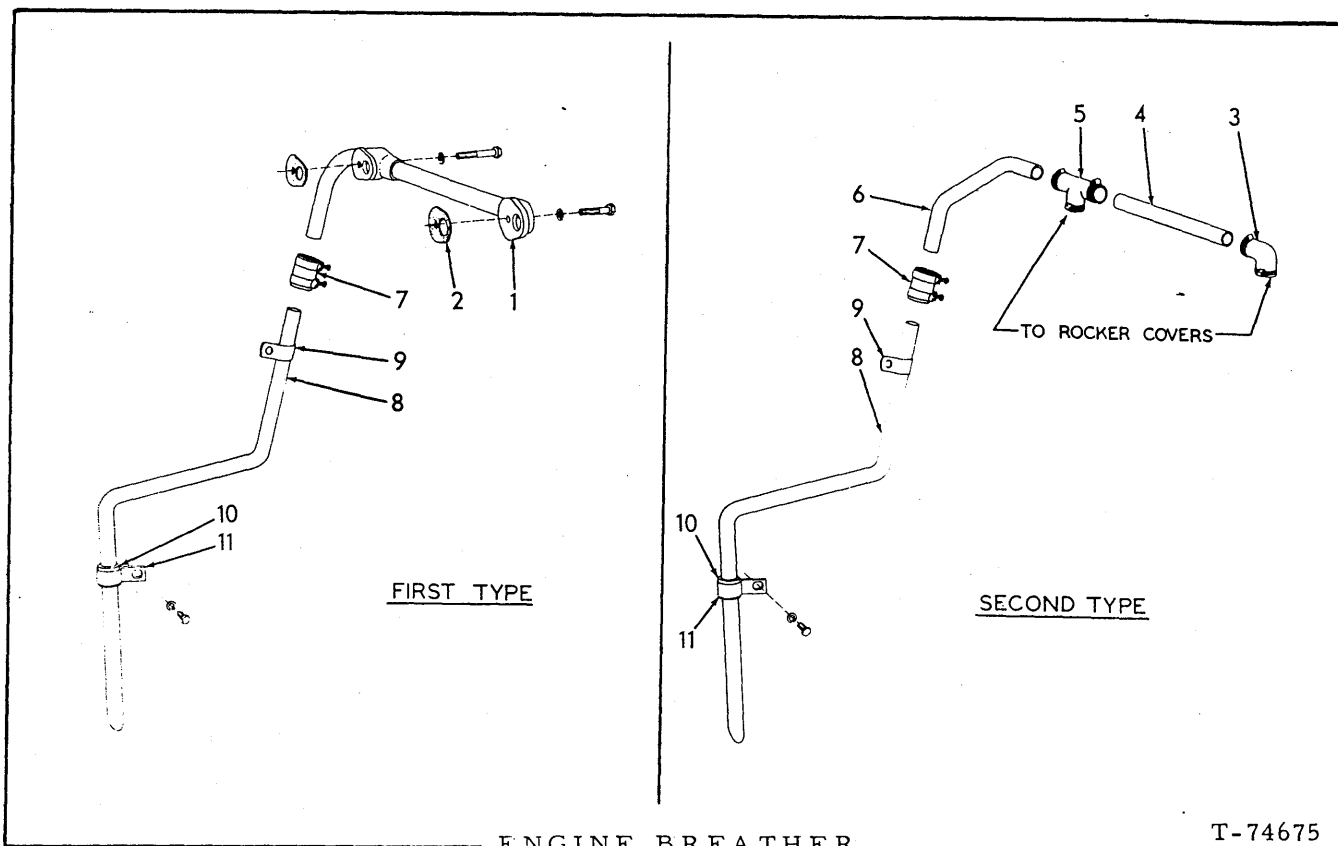
ITEM	PART NO.	QTY.		DESCRIPTION
1	74320689	2	2	HEAD ASSY. (Service replacement with 45° valve seats)(Also order 6 CAPSCREW 70915987, 6 CAPSCREW 74255914, 3 SEAT 74320654, 3 ROTATOR 74320655, 3 VALVE 74321157, 3 VALVE 74321372 and 12 WASHER 74371107)
	70917673	4	4	PLUG, pipe, hex-socket, 1/8"NPT
	70920340	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)
	74336602	6	-	INSERT, exhaust valve seat (.005" oversize)
	74339547	6	-	INSERT, exhaust valve seat (45°-standard size)
	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)
	74336601	6	-	INSERT, intake valve seat (.005" oversize)
	74339546	6	-	INSERT, intake valve seat (45°-standard size)
	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
	74354295	1	1	GASKET, cylinder head, rear
				Each includes item 8A
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)

(Revised May 1979)

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



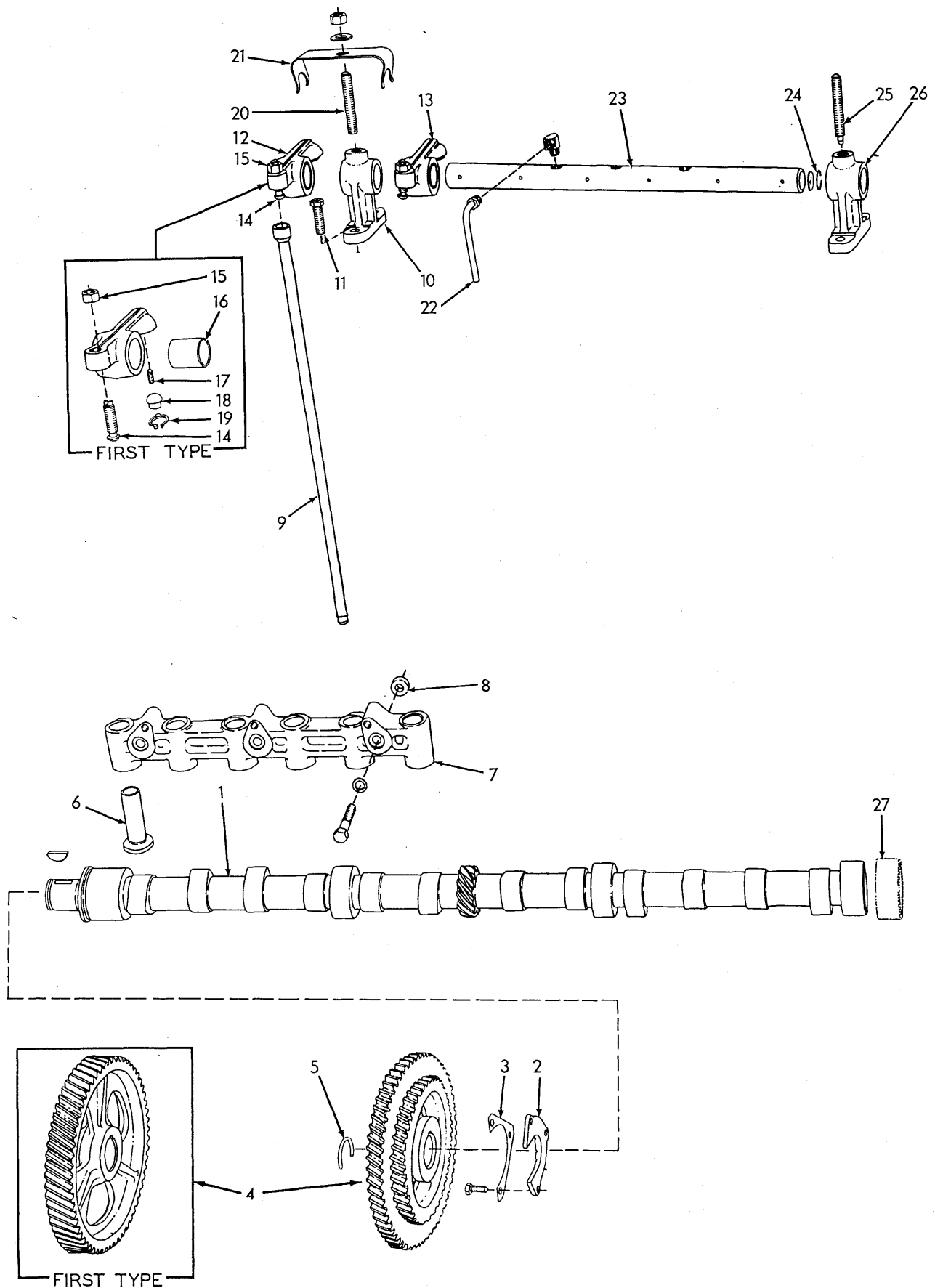
ENGINE BREATHER

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	-	□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

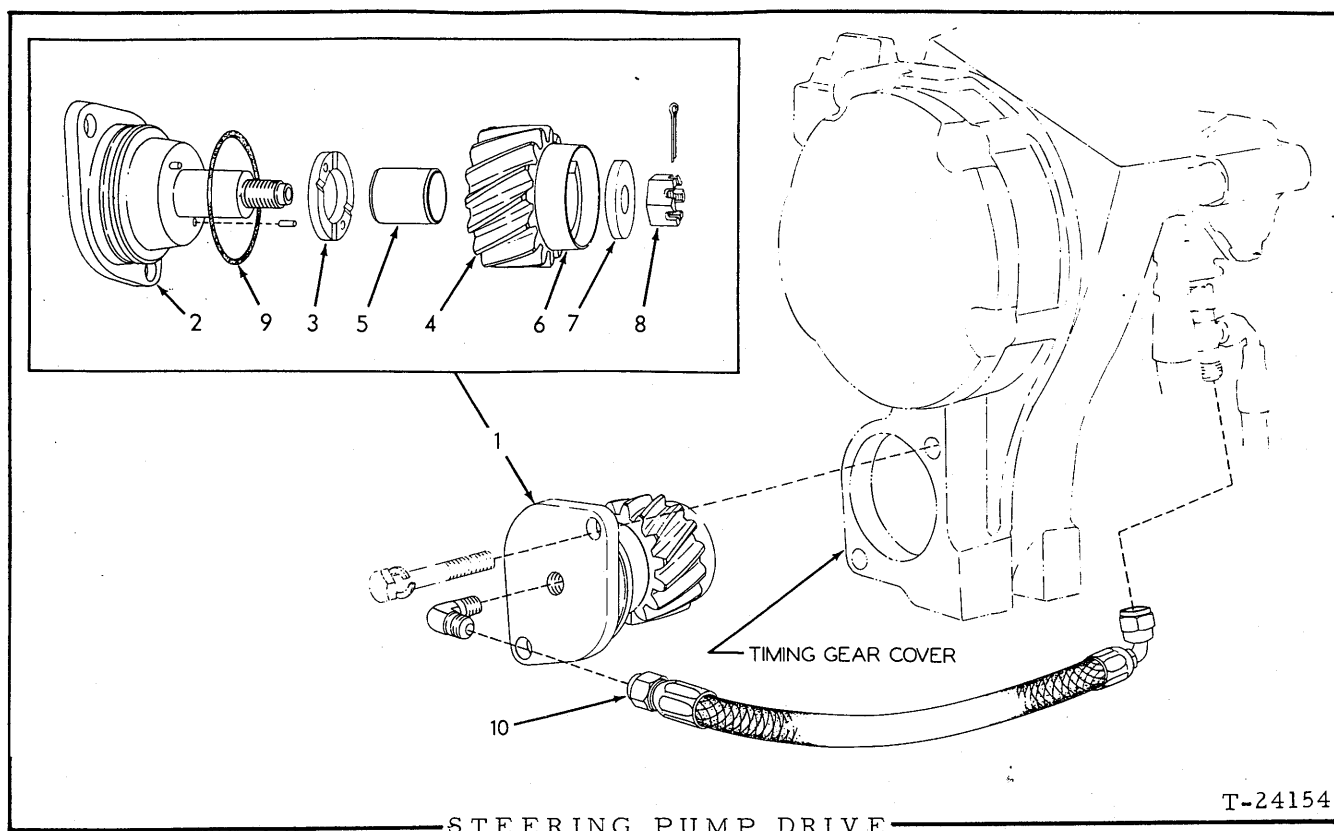
VALVE OPERATING MECHANISM

ITEM	PART NO.	QTY.	DESCRIPTION
1	74337723	1	CAMSHAFT
	70905126	1	KEY, #5 woodruff, 1/4" x 1"
2	74349257	1	COLLAR, camshaft thrust
	70916277	3	CAPSCREW, 5/16"NC x 5/8"
3	74025391	1	PLATE, capscrew locking
4	74359279	1	GEAR, camshaft (Engines prior to #11-16286)
	74321380	1	GEAR, camshaft (Engine #11-16288 and up)
5	74346307	1	RING, snap, gear retaining
6	74338299	12	LIFTER, valve
7	74359701	2	BRACKET, valve lifter (Also order 3 Bolt 74255393 per bracket)
	70919287	6	CAPSCREW, 3/8"NC x 1-7/8"
	70904206	6	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	12	STUD, rocker shaft bracket (Used prior to engine #11-15290)
	70904206	12	LOCKWASHER, 3/8"
	74348440	12	NUT, heat-treated, 3/8"NF
	74255723	12	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
19	74385480	12	RING, snap, rocker arm ball
20	74348129	4	STUD, rocker cover (2-5/8" long)
21	74338143	6	CLIP, spring, rocker arm retaining
	70912298	6	WASHER, plain, SAE std., 7/16"
	70910986	6	NUT, 7/16"NF
22	74349157	2	TUBE ASSEMBLY, rocker shaft overflow (Includes nut)
	70913039	2	ELBOW, inverted flare, 90°, 1/4" tube, 1/8"NPT male
23	74336145	2	SHAFT ASSEMBLY, rocker arm (Includes 70910002 PLUGS and item 24)
	70910002	4	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)

Engines prior to #11-13409

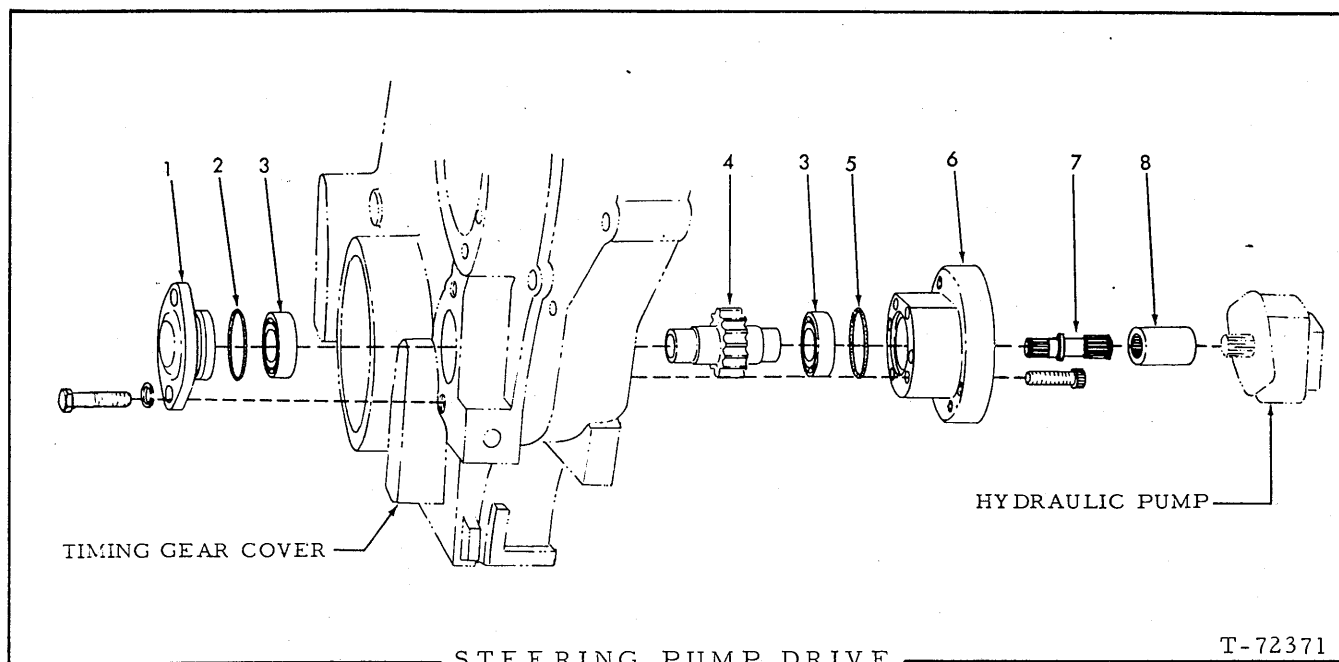
(Revised May 1979)

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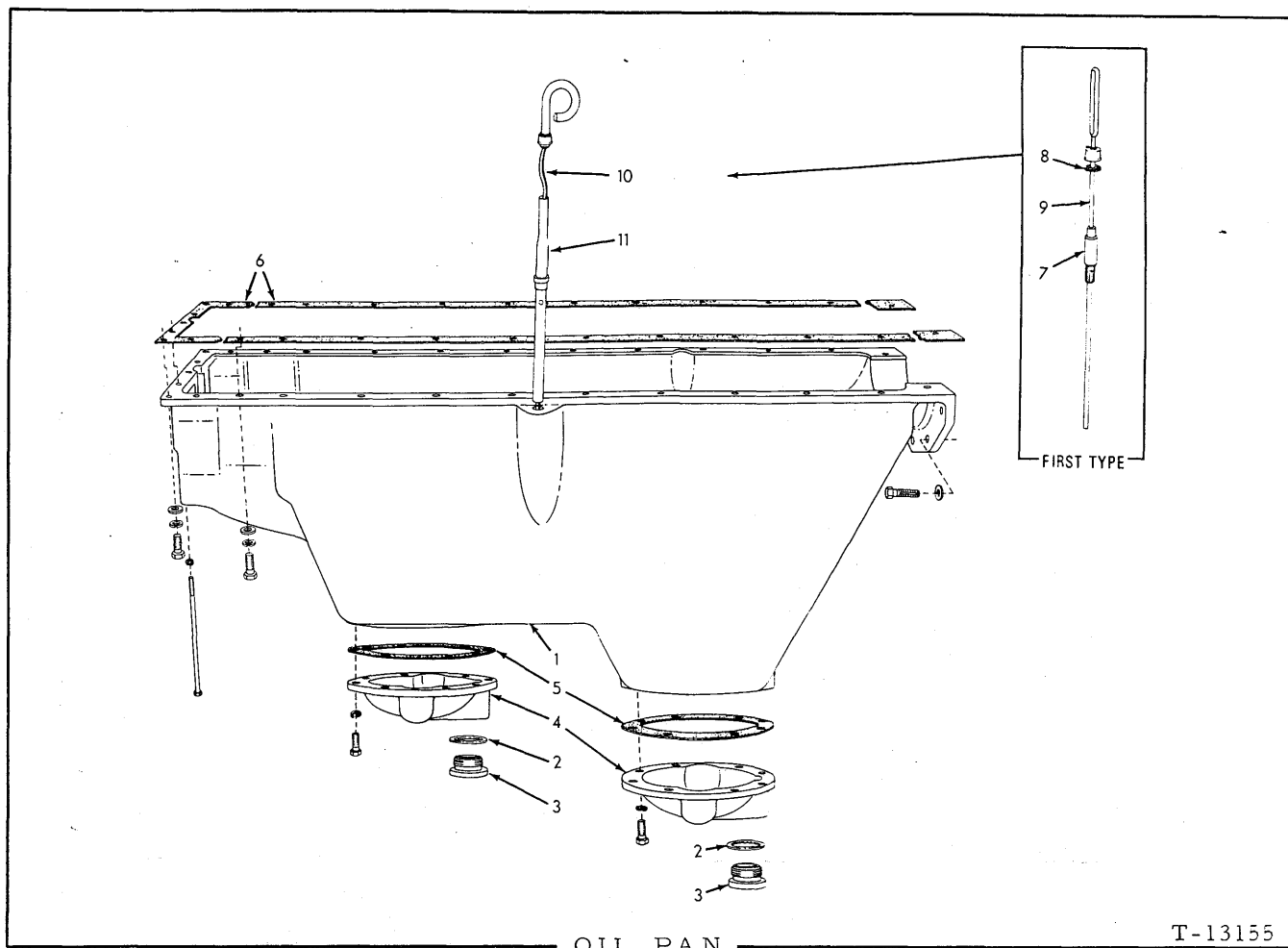
USAGE: Tractors prior to serial No. 12201

ITEM	PART NO.	QTY.	DESCRIPTION
1	74338168	1	DRIVE ASSEMBLY (Consists of items 2 thru 9; also ELBOW 70919173)
	-----	2	CAPSCREW (See TIMING GEAR HOUSING section)
2	74335694	1	SHAFT ASSEMBLY (Includes PINS indented below)
	70919242	2	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	1	NUT, gear retaining (1/2"NF, left hand thread)
	70900801	1	PIN, cotter, 3/32" x 3/4"
9	70923814	1	O-RING, drive sealing
10	74335583	1	HOSE ASSEMBLY, lubricating (See HOSE PARTS)
	70919173	1	ELBOW, flare type, 1/4" tube, 1/8"NPT male



USAGE: Tractors serial No. 12201 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	74357411	1	RETAINER, front bearing
	-----	2	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	1	ADAPTER, pump mounting
	70924781	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



ITEM	PART NO.	QTY.	DESCRIPTION
1	74337466	1	PAN, oil
	70919224	24	CAPSCREW, 3/8"NC x 1-1/8"
	74255916	5	CAPSCREW, nylon strip, 3/8"NC x 1")
	70914392	2	CAPSCREW, 5/16"NC x 1"
	70919787	3	CAPSCREW, 5/16"NC x 6-1/2"
	70904206	24	LOCKWASHER, 3/8"
	70904205	5	LOCKWASHER, 5/16"
	70913544	24	WASHER, plain (3/4" O. D.)
	70912369	5	WASHER, plain (5/8" O. D.)
2	70667252	2	□GASKET, oil drain plug
3	70035250	2	PLUG, oil drain
4	74373770	2	COVER, clean-out
	70916271	16	CAPSCREW, 3/8"NC x 1"
	70904206	16	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

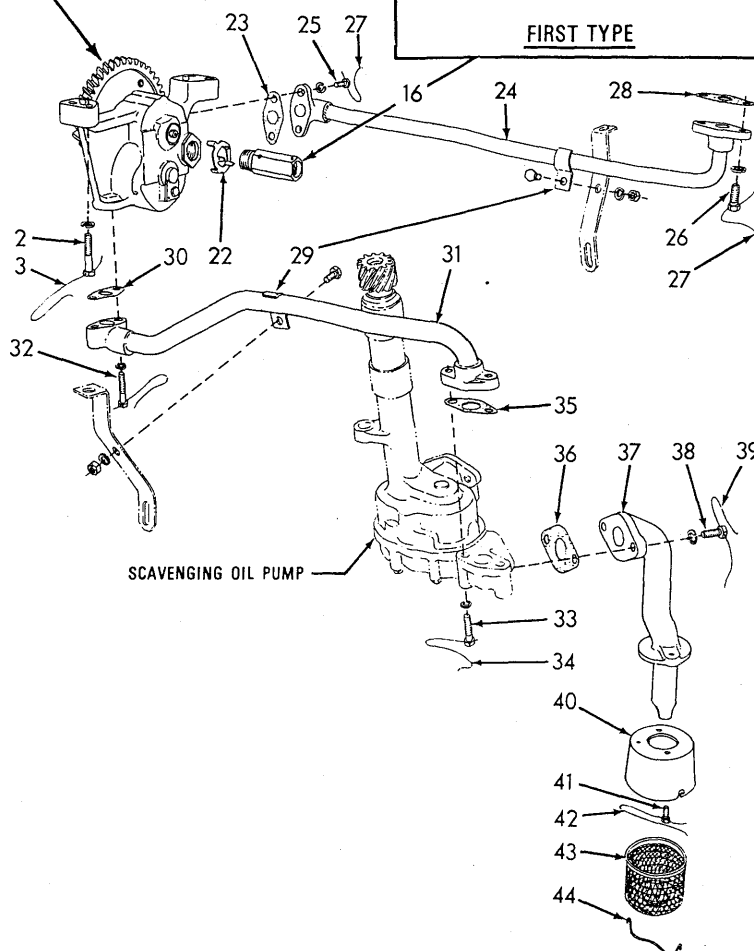
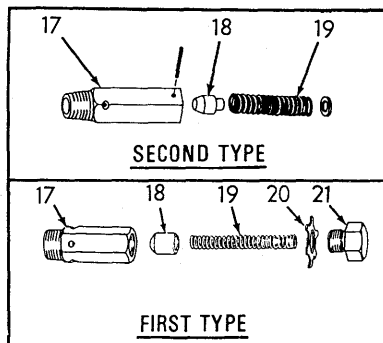
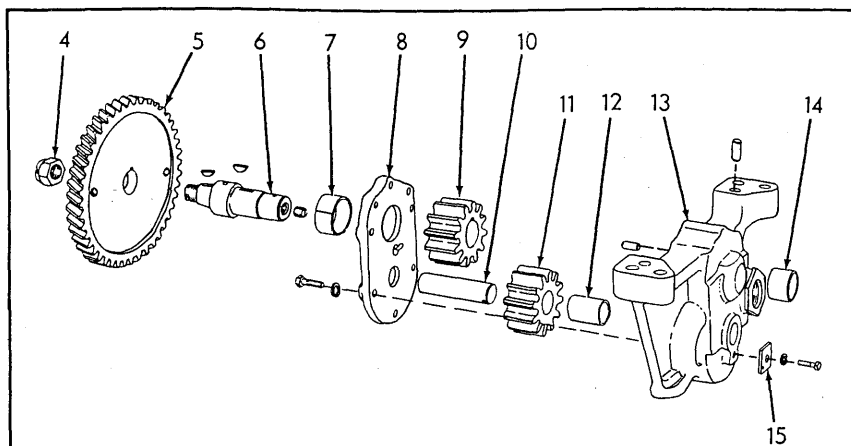
PRESSURE OIL PUMP

ITEM	PART NO.	QTY.	DESCRIPTION
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NOTE: 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
18	-----	1	PISTON, pressure relief valve
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 valve cap
21	-----	1	CAP, relief valve
22	74347938	1	LOCK, oil pressure relief valve
23	74348215	1	GASKET, discharge pipe to pump

(Continued)

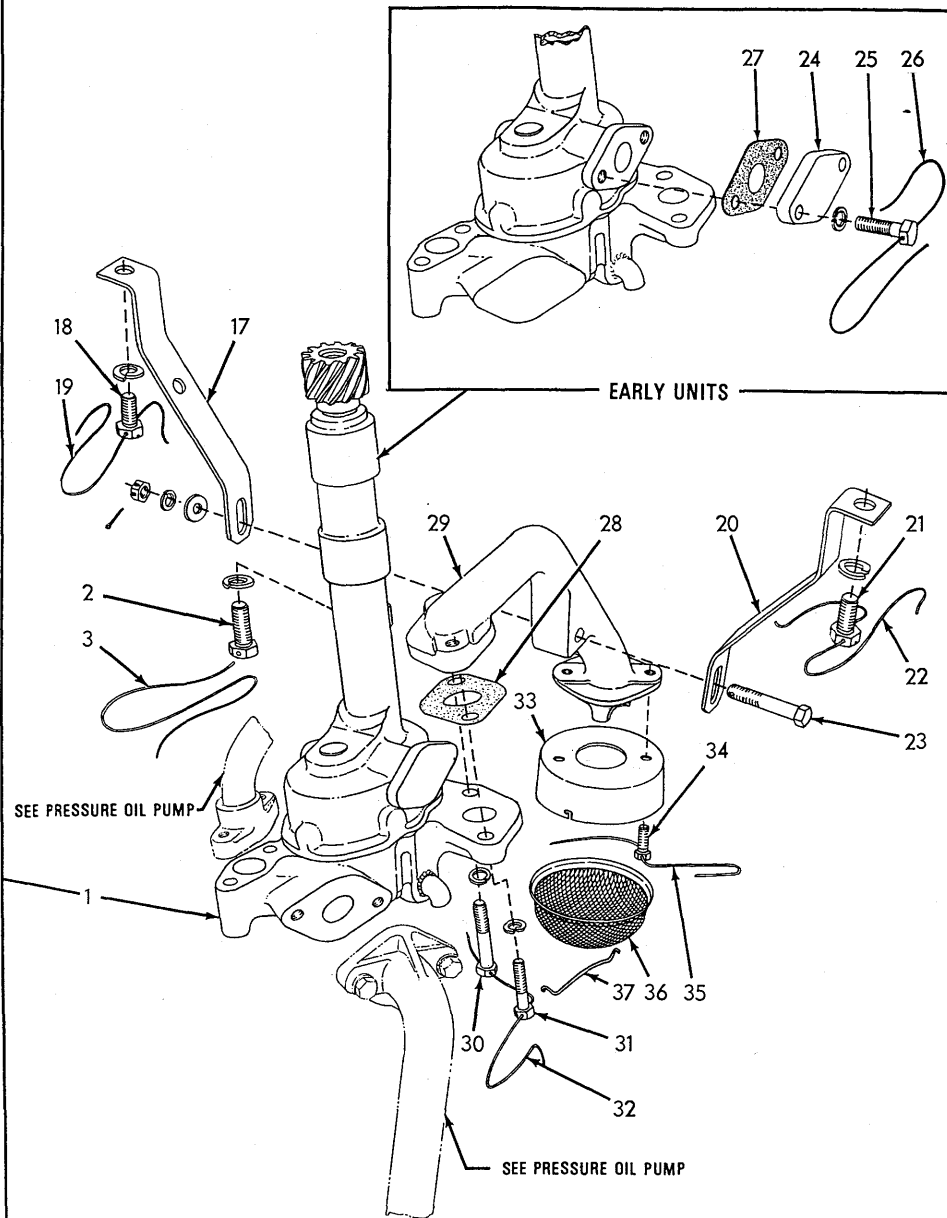
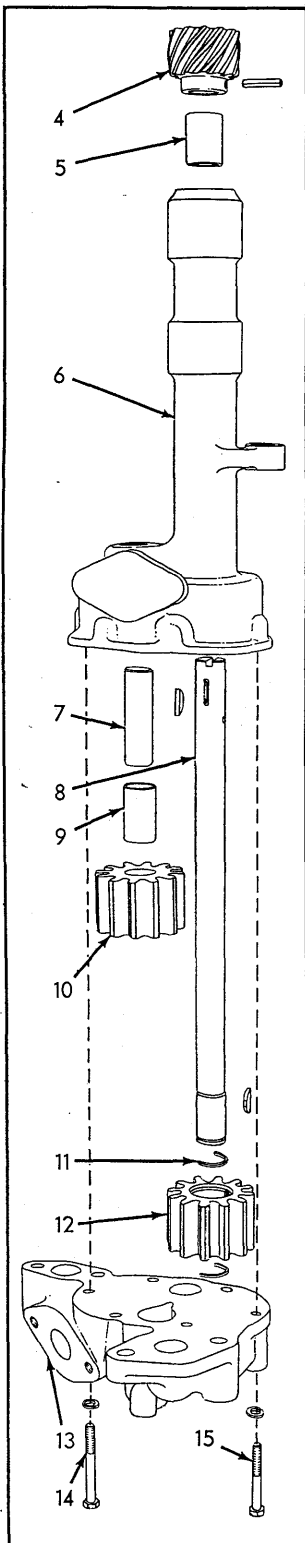


PRESSURE OIL PUMP

T-13181

PRESSURE OIL PUMP (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

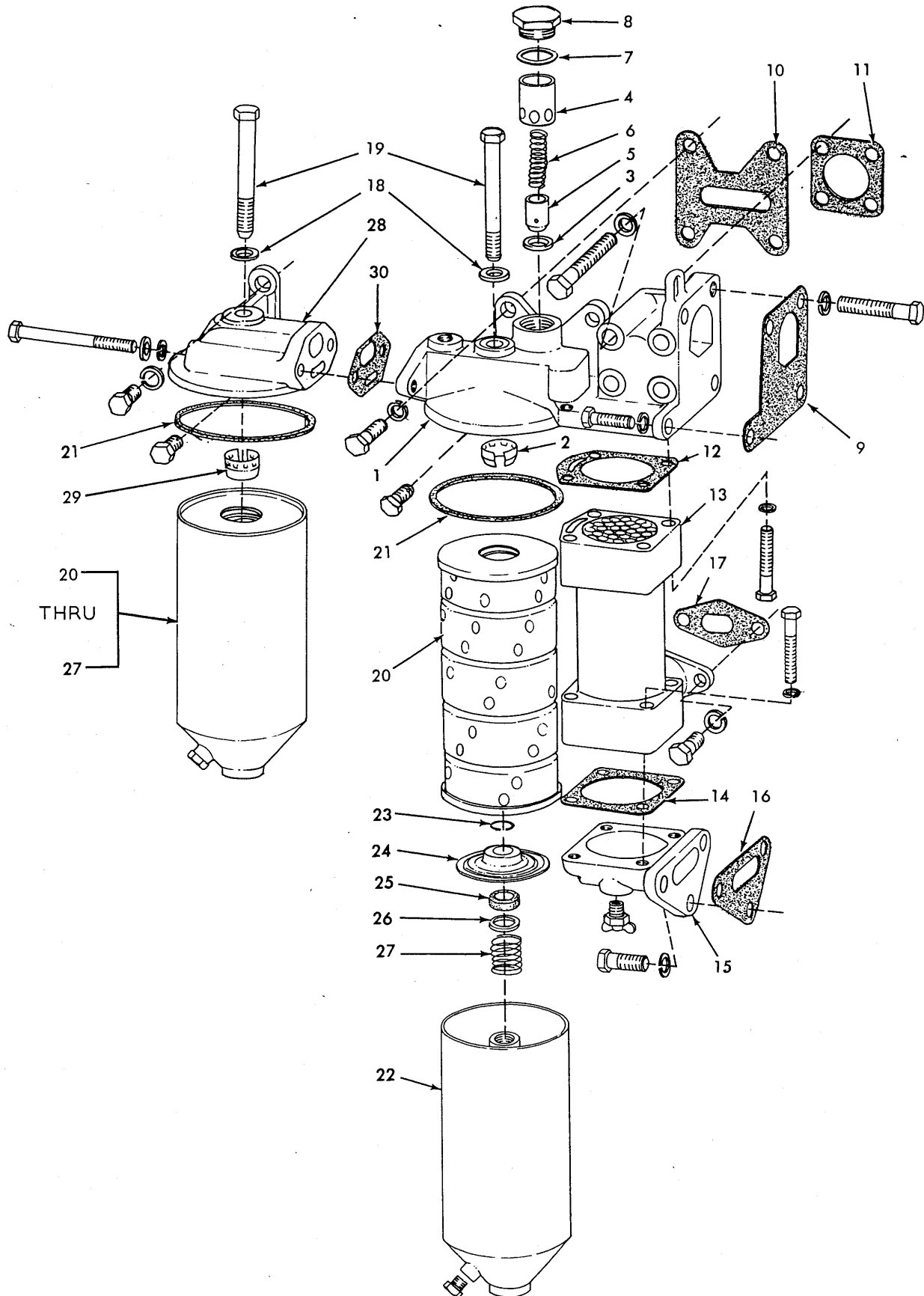
T-13980

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"
26	74509035	1	WIRE, locking, #18 x 10"
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

Engines
prior to #
11-13199

(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

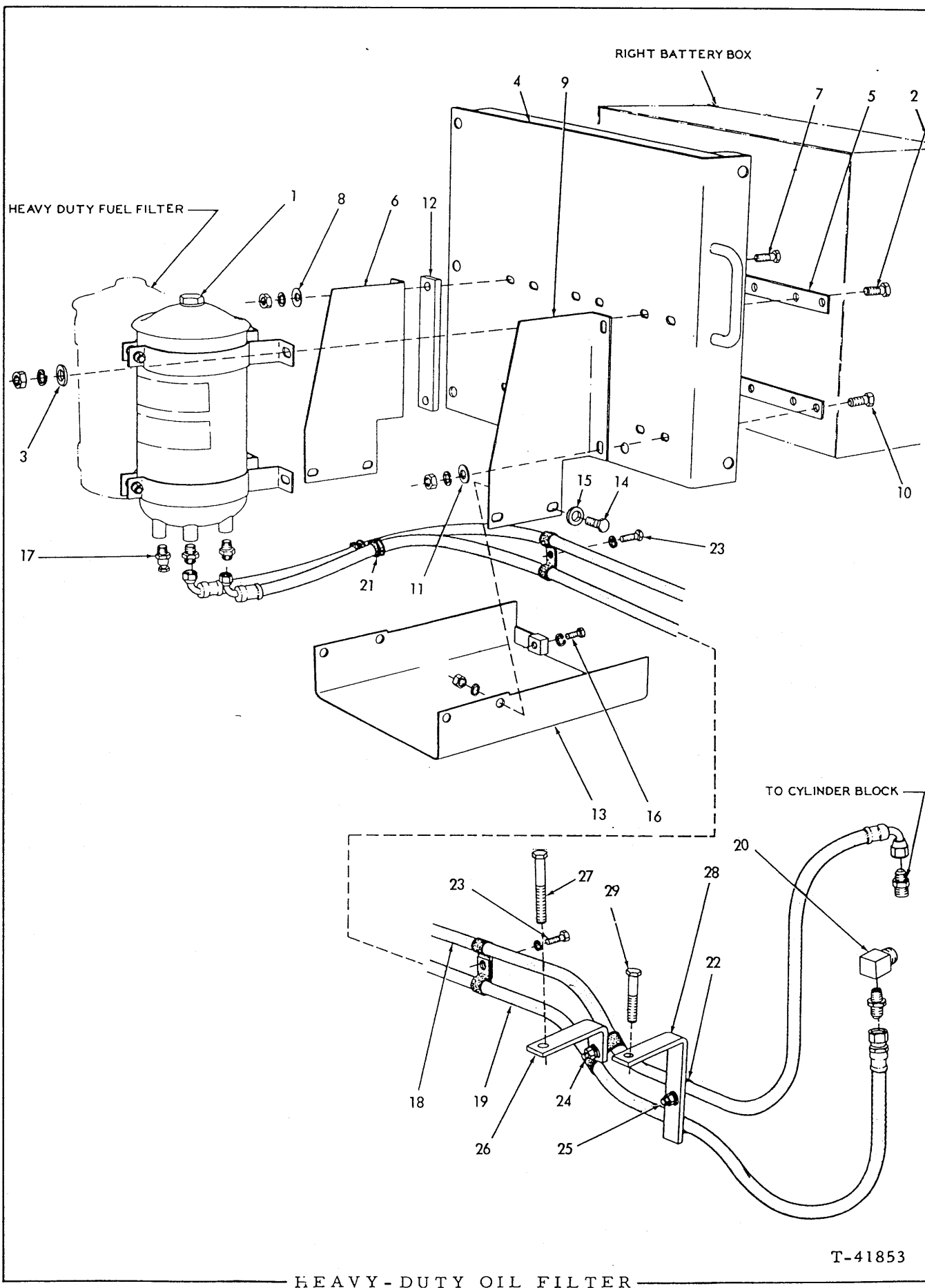
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(Revised May 1979)

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

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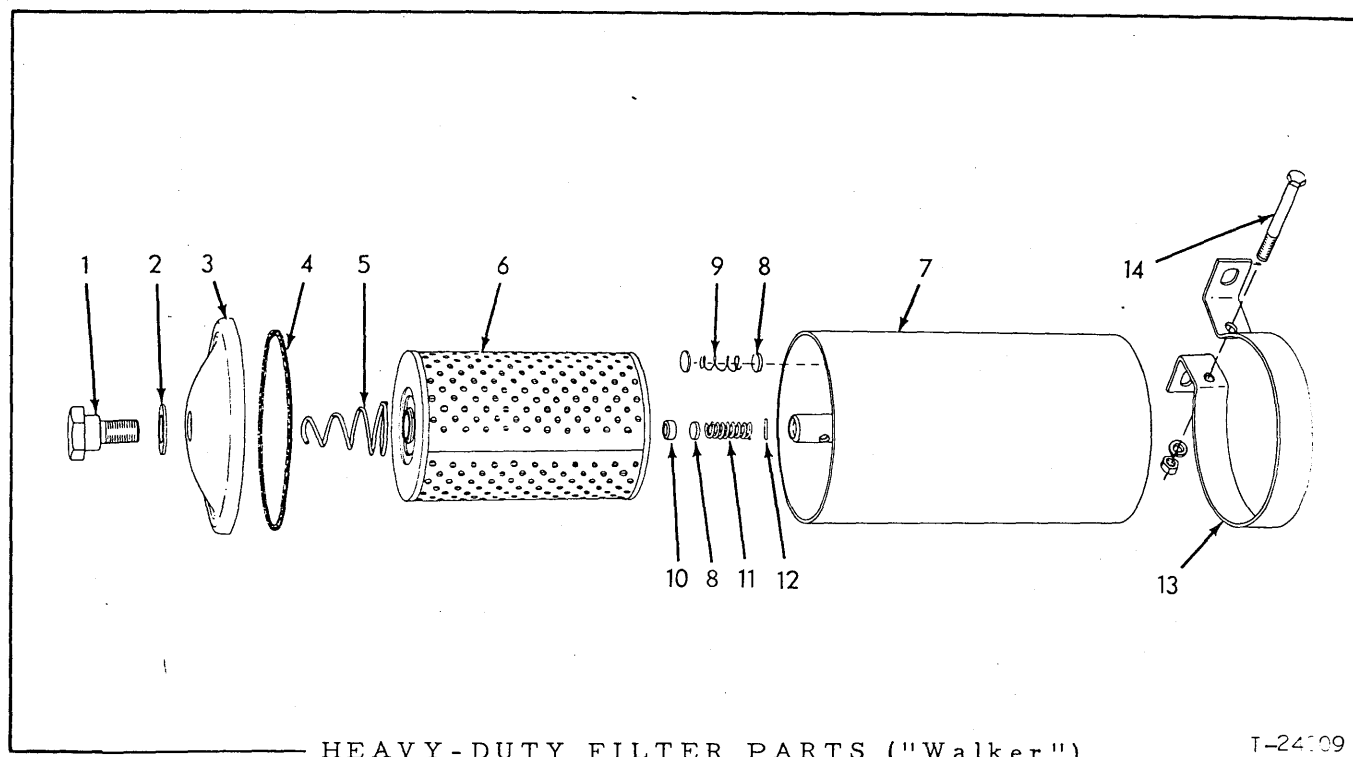
T-41853

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)
	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



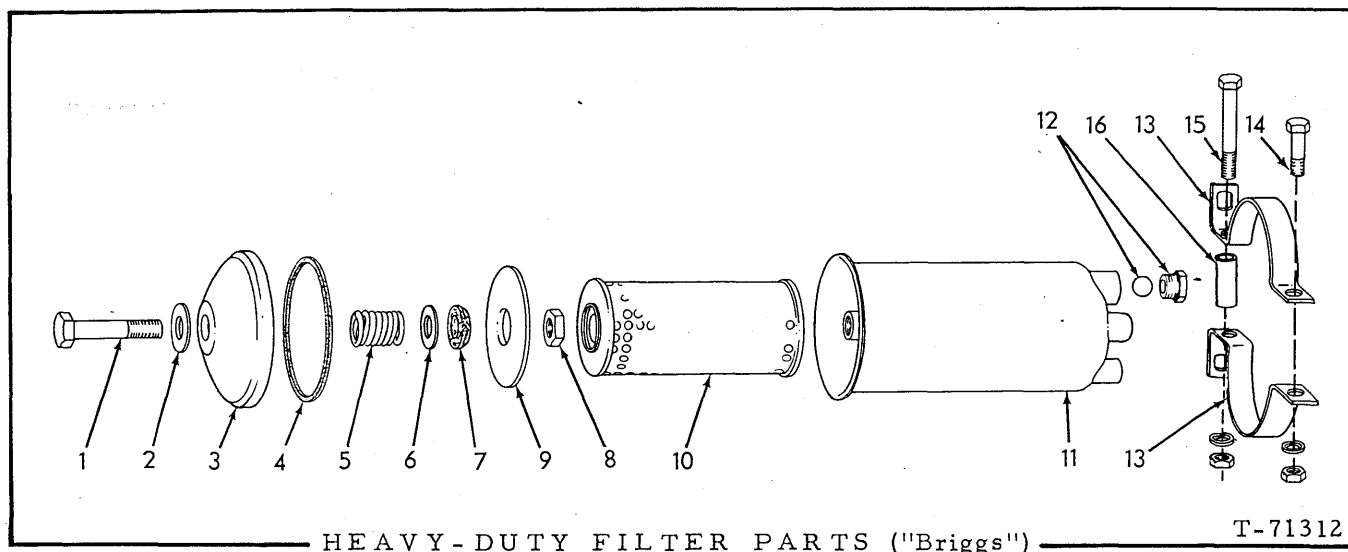
HEAVY-DUTY FILTER PARTS ("Walker")

T-24109

*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

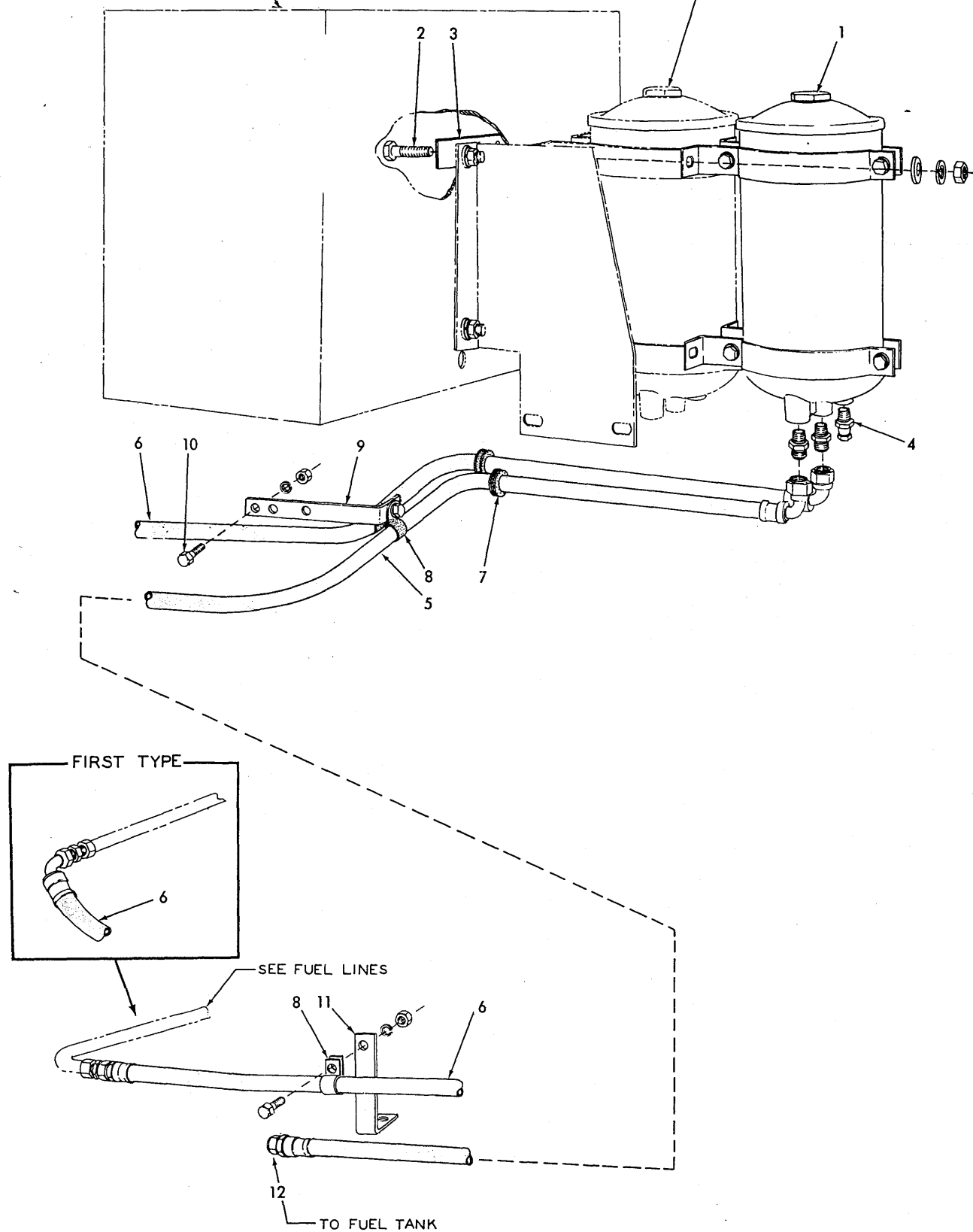


* 70654674 FILTER ASSEMBLY, oil (See page 47)
 ** 70654673 FILTER ASSEMBLY, fuel (See page 51)

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



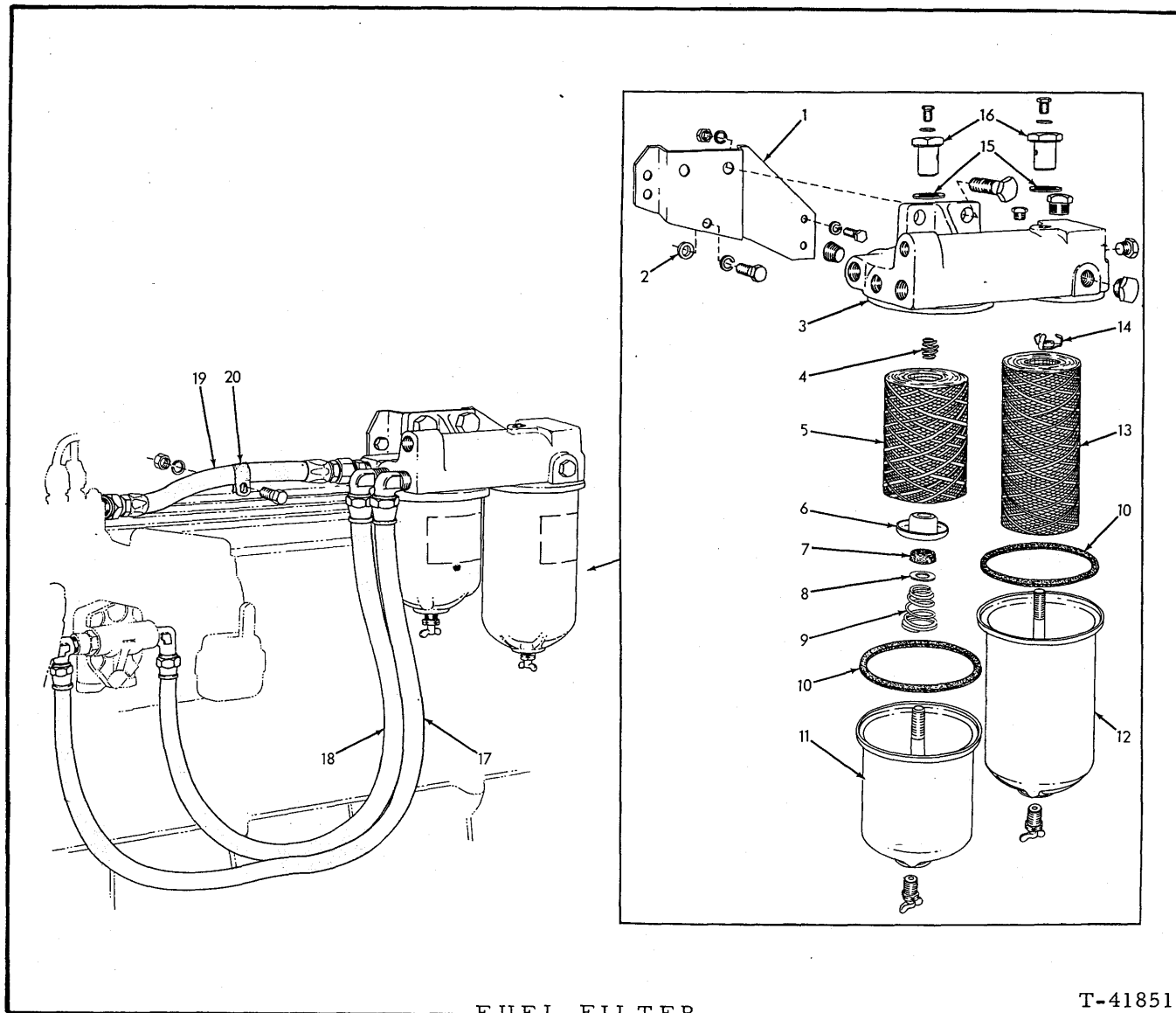
T-72321

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



FUEL FILTER

T-41851

USAGE: Tractors prior to serial No. 12201

ITEM	PART NO.	QTY.	DESCRIPTION
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NOTE: Also see page 51 for supplementary Heavy-Duty Fuel Filter

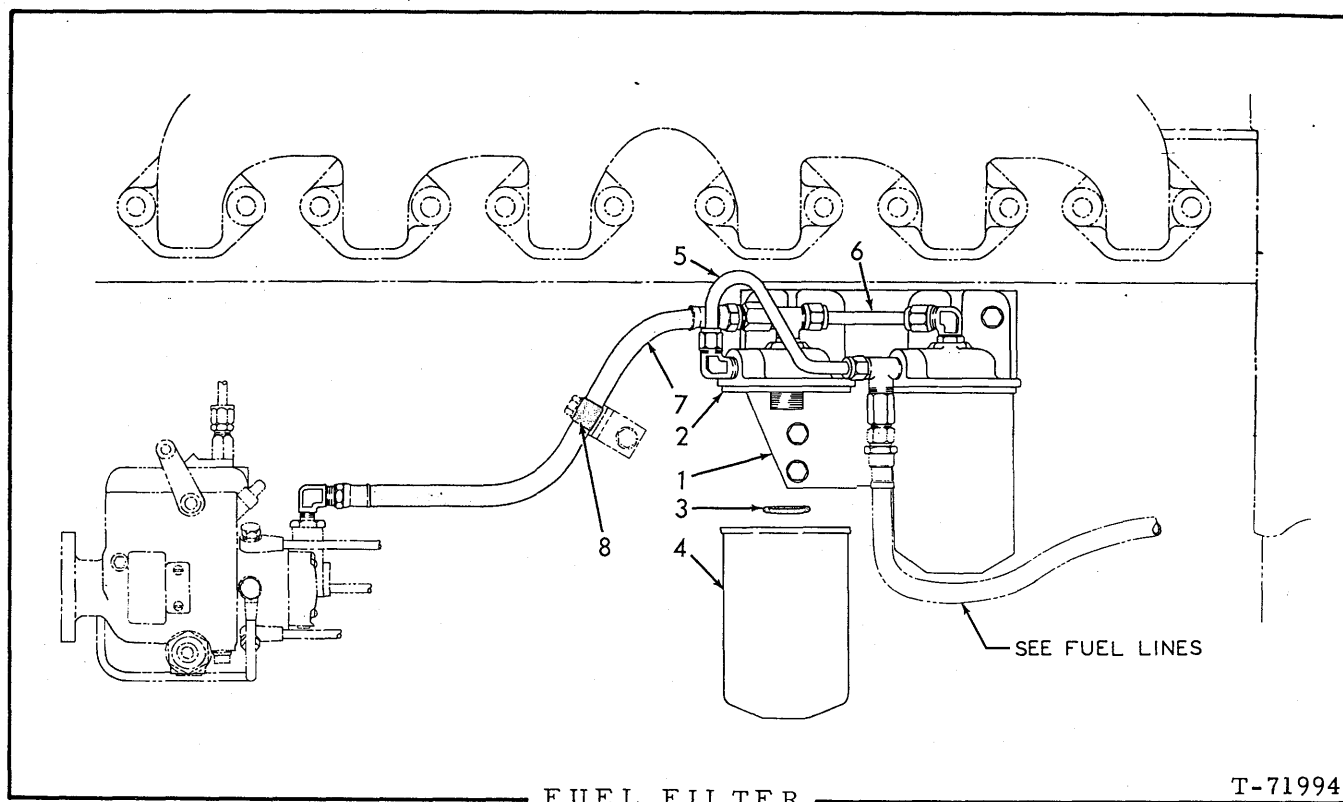
1	74339111	1	BRACKET, filter mounting
	70920028	4	CAPSCREW, 5/16"NC x 13/16"
	70915813	1	CAPSCREW, 5/16"NC x 7/8"
	70904205	5	LOCKWASHER, 5/16"
2	74352332	1	WASHER, spacing, mounting bracket
3	4389051	1	HEAD ASSEMBLY (Includes PLUGS indented below)
	70919134	2	PLUG, pipe, hex-hd., 1/8"NPT
	70920333	3	PLUG, pipe, hex-hd., 3/8"NPT
	70918887	2	PLUG, hex-socket, 3/8"NPT
	70919230	2	CAPSCREW, 1/2"NC x 1-3/8"
	70904208	2	LOCKWASHER, 1/2"
	70910325	2	NUT, 1/2"NC

(Continued)

FUEL FILTER (Continued)

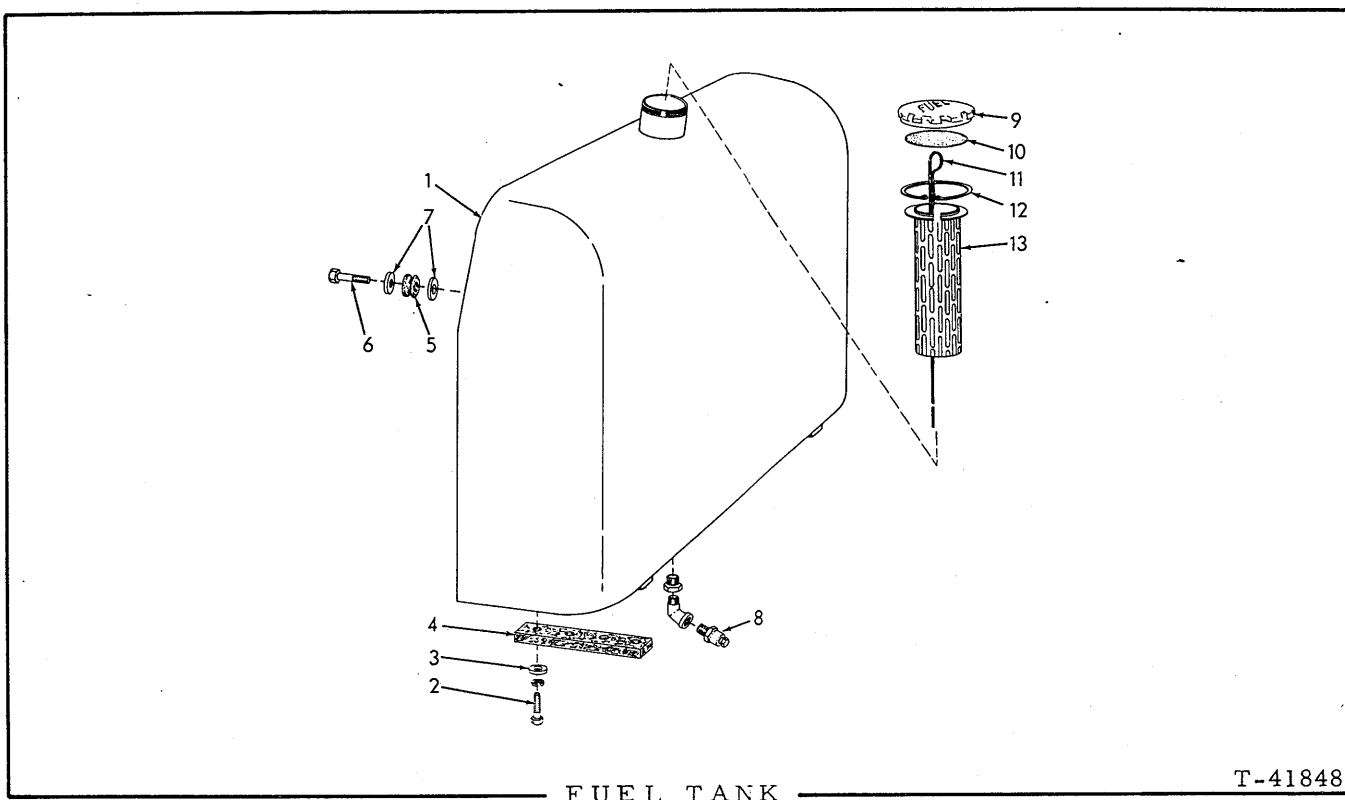
ITEM	PART NO.	QTY.	DESCRIPTION
4	74055913	1	GUIDE,element centering, second stage filter
5	74056633	1	ELEMENT KIT, second stage filter (Includes items 7,8 and 10)
6	74052173	1	PLATE, element seating, second stage filter
7	-----	1	GASKET, element seat plate (Furnished only as part of item 5)
8	-----	1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

NOTE: See PAINTING AND MARKING for transfers



USAGE: Tractors serial No. 12201 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	74357429	1	BRACKET, filter mounting
	70914392	4	CAPSCREW, 5/16"NC x 1"
	70904205	4	LOCKWASHER, 5/16"
2	74025229	2	BASE ASSEMBLY, fuel filter (Includes insert which is not serviced separately)
	70919134	2	PLUG, pipe, hex-hd., 1/8"NPT
	70916197	4	CAPSCREW, 7/16"NC x 1-1/4"
	70904207	4	LOCKWASHER, 7/16"
	70912201	4	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	2	NUT, Imperial, 3/8" tube
	70917807	2	SLEEVE, Imperial, 3/8" tube
	70919005	1	ELBOW, Imperial, 3/8" tube, 3/8"NPT male
	74354394	1	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	2	NUT, Imperial, 3/8" tube
	70917807	2	SLEEVE, Imperial, 3/8" tube
	70919005	1	ELBOW, Imperial, 3/8" tube, 3/8"NPT male
	74354394	1	TEE, Imperial, 3/8" tube, 3/8"NPT male end and side
7	74357430	1	HOSE ASSEMBLY, filter to pump (See HOSE PARTS)
	70923979	1	CONNECTOR, flare type, 3/8" tube, 3/8"NPT female
	70919135	1	ELBOW, flare type, 3/8" tube, 1/4"NPT male
8	74255010	1	CLAMP, hose supporting

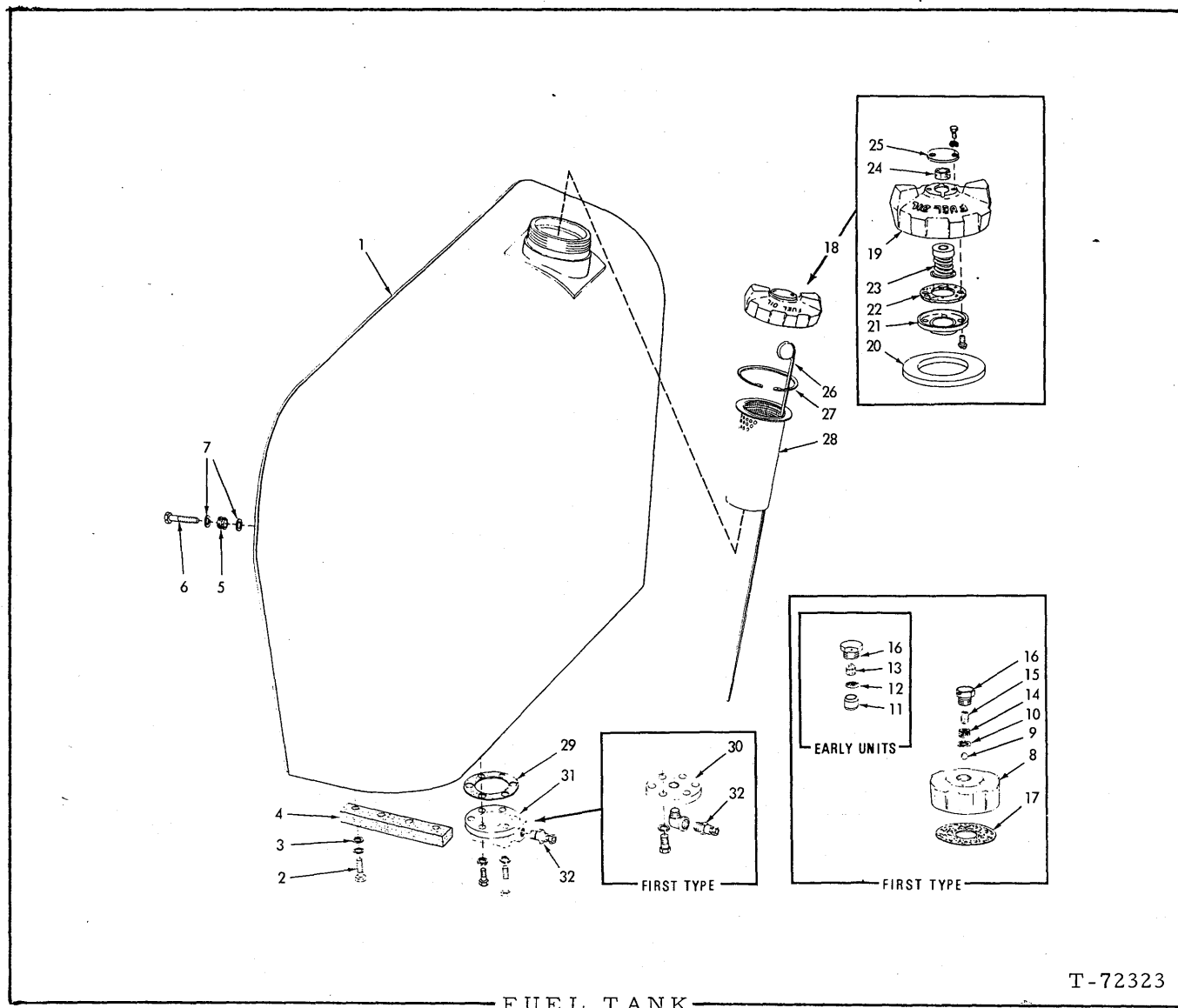


USAGE: Tractors prior to serial No. 12201

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
13	70642749	1	STRAINER, fuel

Effective with tractor #11373

NOTE: See PAINTING AND MARKING for transfers



T-72323

FUEL TANK

USAGE: Tractors serial No. 12201 and up

* Tractors serial No. 12201 thru 13865
 ** Tractors serial No. 13866 and up

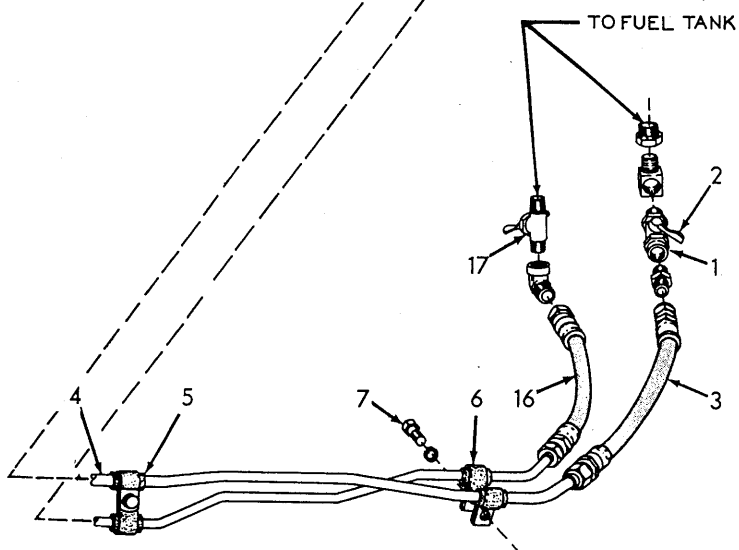
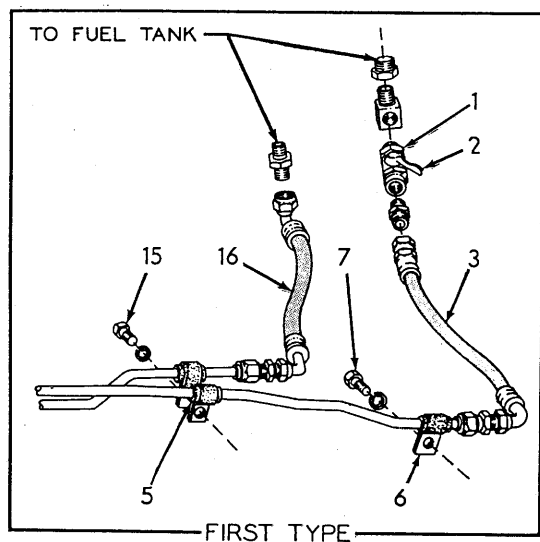
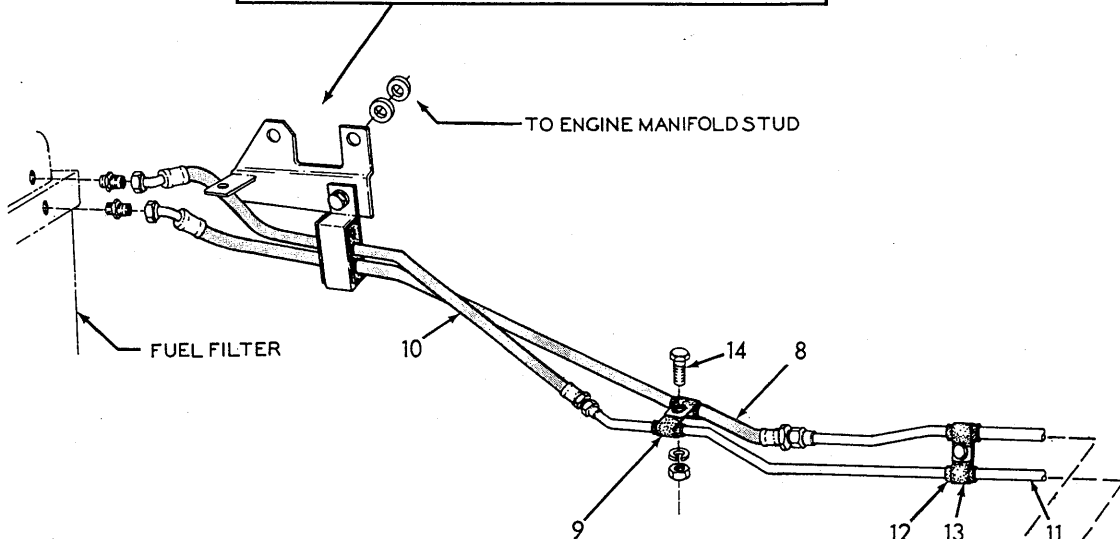
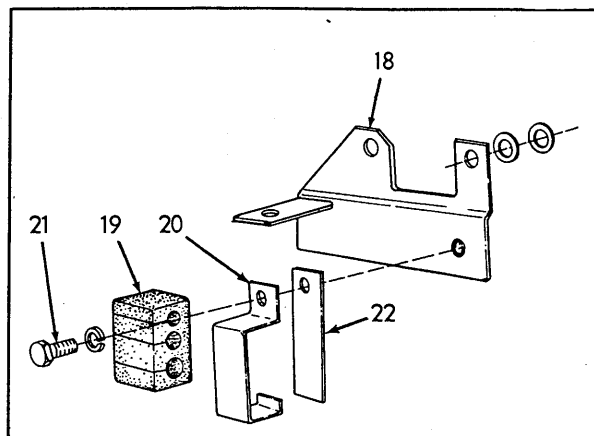
ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	70650840	1	1	TANK, fuel
2	70916028	8	8	CAPSCREW, 1/2"NF x 1-3/4"
	70904208	8	8	LOCKWASHER, 1/2"
3	70064531	8	8	WASHER, plain
4	70640619	2	2	PAD, fuel tank
5	70642441	4	4	SNUBBER, vibration
6	70916420	4	4	CAPSCREW, 1/2"NF x 2-1/4"
7	70092163	8	8	WASHER, vibration 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)

FUEL TANK (Continued)

ITEM	PART NO.	QTY. * **	DESCRIPTION
11	-----	1 -	SPACER, breather
12	-----	1 -	SCREEN, breather
13	-----	1 -	FILTER, breather
} FIRST TYPE FILTER. Used prior to tractor #13324. Order items 14 and 15			
14	70664867	1 -	ELEMENT, breather (lower)
15	70664868	1 -	ELEMENT, breather (upper)
} SECOND TYPE FILTER. Effective with tractor #13324.			
16	70652590	1 -	BREATHER, fuel tank (Used prior to tractor #13324)
	70664866	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	- 1	SEAT, relief valve
	70926699	- 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	- 1	COVER, tank cap
	70921181	- 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	1 -	COVER, bottom (Tractors prior to #13664)
	70919224	6 -	CAPSCREW, 3/8"NC x 1-1/8"
	70904206	6 -	LOCKWASHER, 3/8"
31	70662132	1 1	COVER, bottom (Tractors #13664 and up)
	70916271	4 4	CAPSCREW, 3/8"NC x 1"
	70910948	2 2	CAPSCREW, 3/8"NC x 2"
	70904206	6 6	LOCKWASHER, 3/8"
32	70633519	1 1	COCK, drain
	70901723	1 -	ELBOW, street, 90°, 3/8"NPT (Tractors prior to #13664)

NOTE: See PAINTING AND MARKING for transfers



FUEL LINES (First type)

T-41849

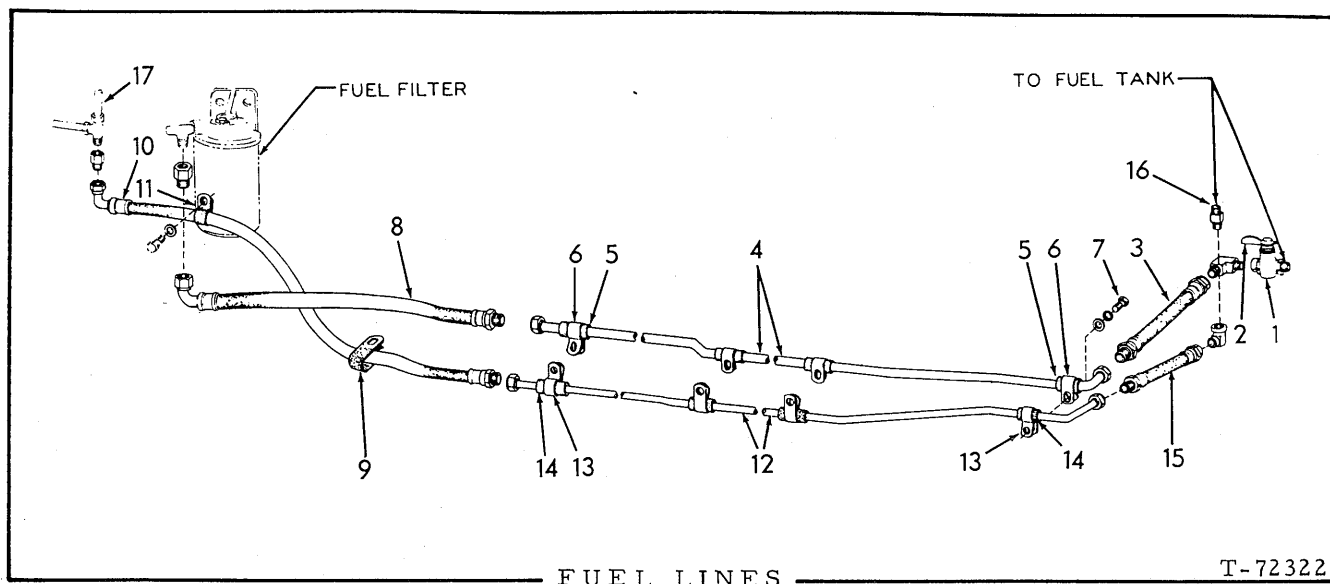
FUEL LINES

USAGE: Tractors prior to serial No. 12201

* Tractors prior to serial No. 10452

** Tractors serial No. 10452 thru 12200

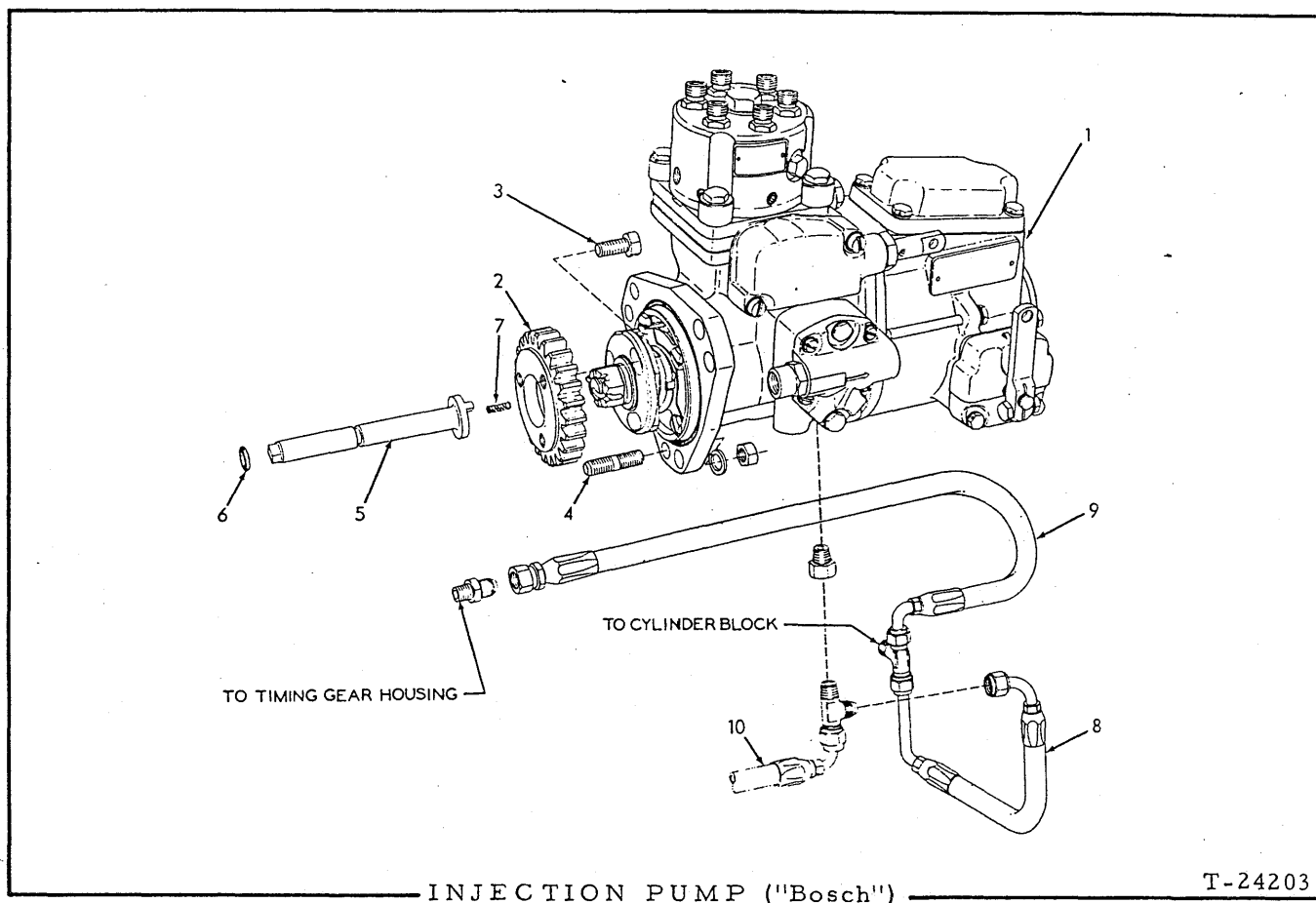
ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	70092727	1	1	COCK, fuel shut-off (Includes item 2)
	70915389	1	1	ELBOW, street, brass, 90°, 3/8"NPT
	70904271	1	1	BUSHING, pipe reducing, 1/2"NPT to 3/8"NPT
2	70082189	1	1	HANDLE, fuel shut-off cock
3	70637871	1	-	HOSE, fuel supply line, rear (See page 6)
	70648388	-	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



USAGE: Tractors serial No. 12201 and up

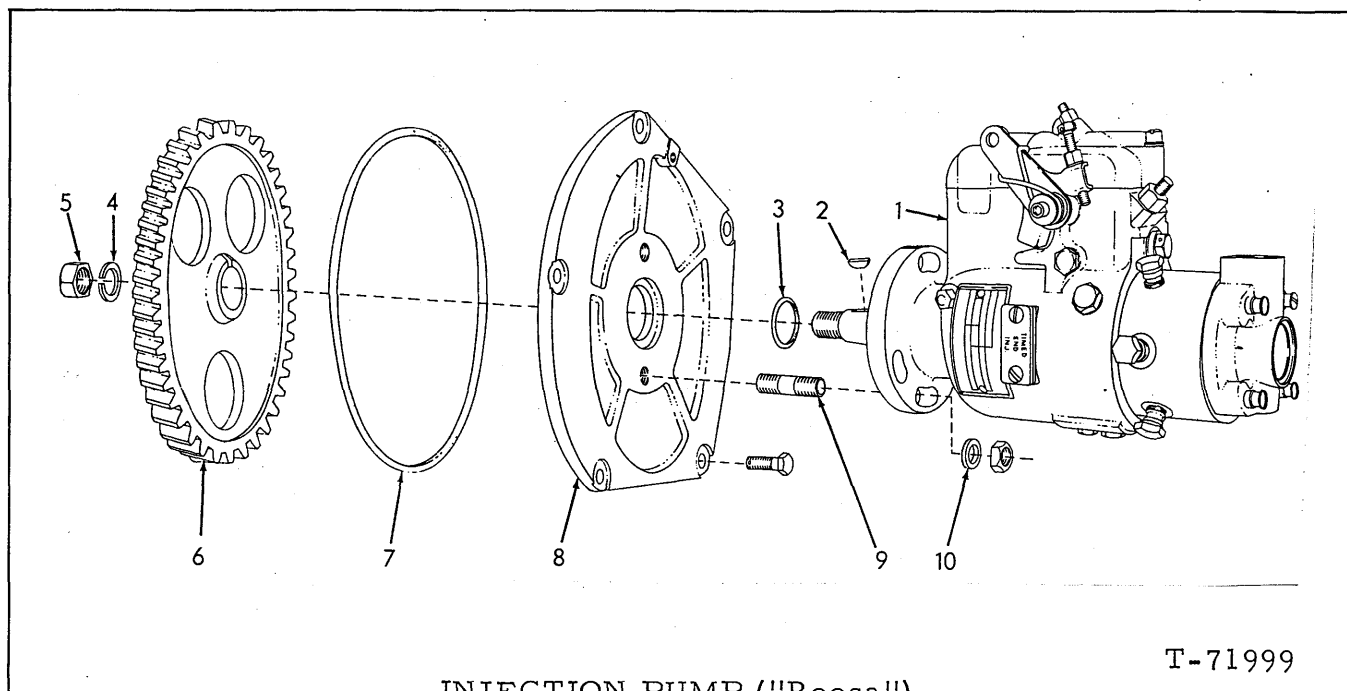
ITEM	PART NO.	QTY.	DESCRIPTION
1	70092727	1	COCK, fuel shut-off (Includes item 2)
2	70082189	1	HANDLE, fuel shut-off cock
3	70650967	1	HOSE, fuel supply line, rear (See HOSE PARTS)(Not used when special Heavy-duty Fuel Filter is installed)
	70919206	1	ELBOW, flare type, 90°, 1/2" tube, 3/8"NPT male
4	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)



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)

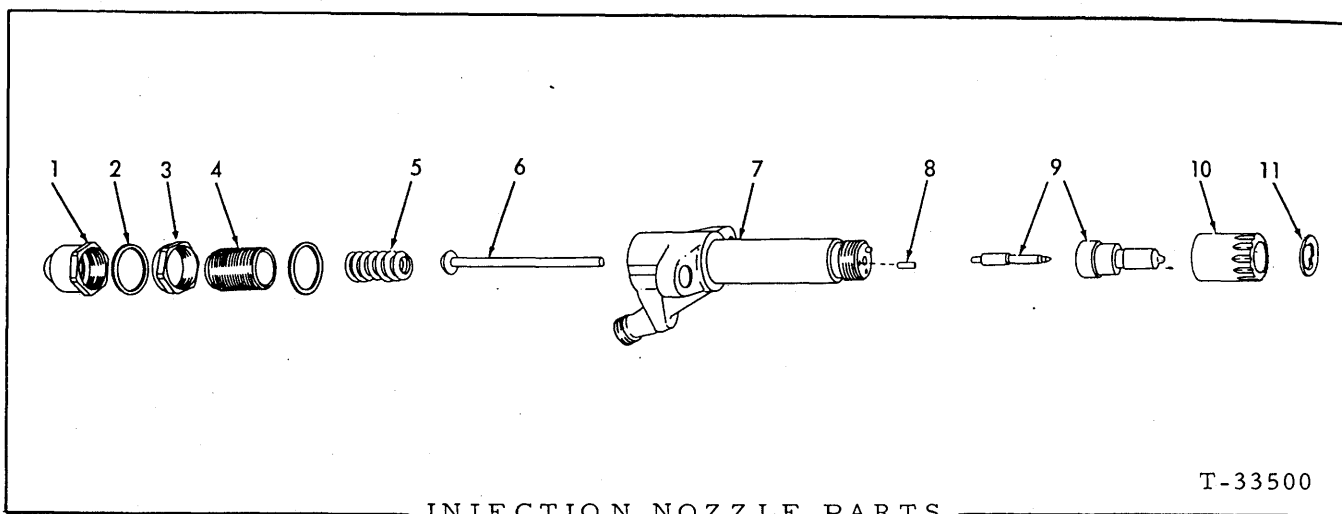


INJECTION PUMP ("Roosa")

T-71999

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)
	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	□ 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

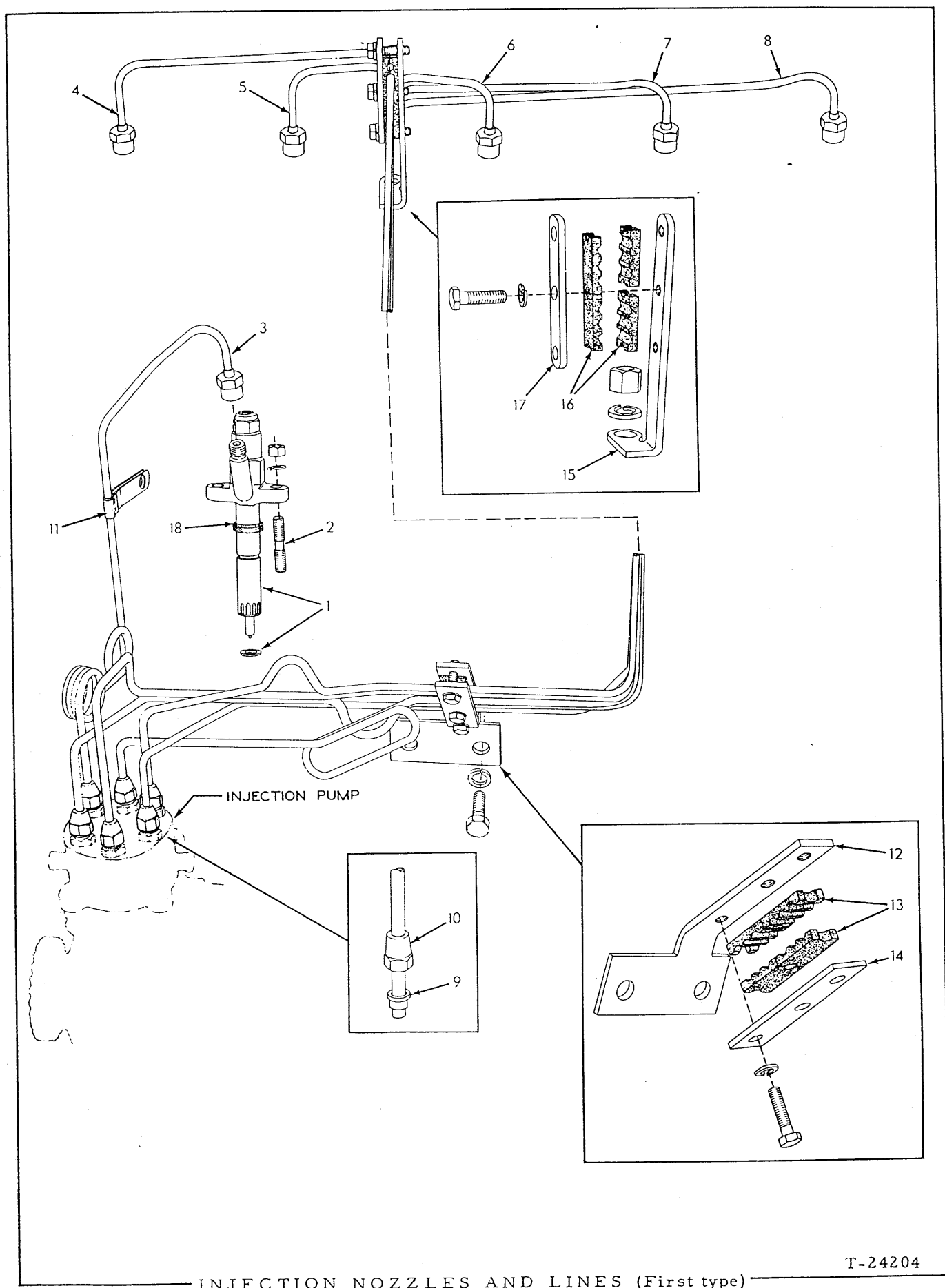
INJECTION NOZZLE PARTS

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

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	

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

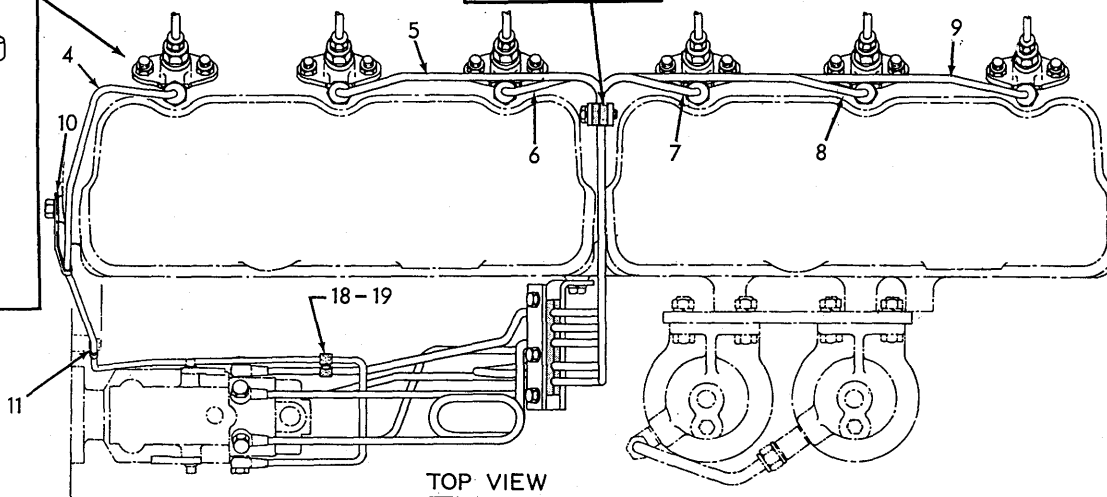
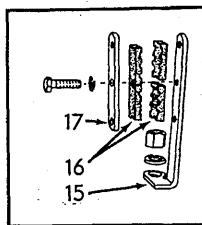
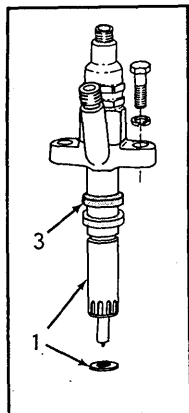
1	74021227	1	1	CAP
2	74511243	2	2	GASKET, cap nut
3	74511213	1	1	NUT, locking
4	74378033	1	1	SCREW, adjusting
5	74380652	1	1	SPRING
6	74380656	1	1	SPINDLE
7	-----	1	1	BODY (Not serviced separately)
8	70922943	2	2	PIN, nozzle locating
9	74380651	1	-	NOZZLE ASSEMBLY (Includes item 11)
	74338803	-	1	NOZZLE ASSEMBLY (Includes item 11)
10	74380662	1	1	NUT, nozzle retaining
11	74378031	1	1	GASKET, nozzle holder



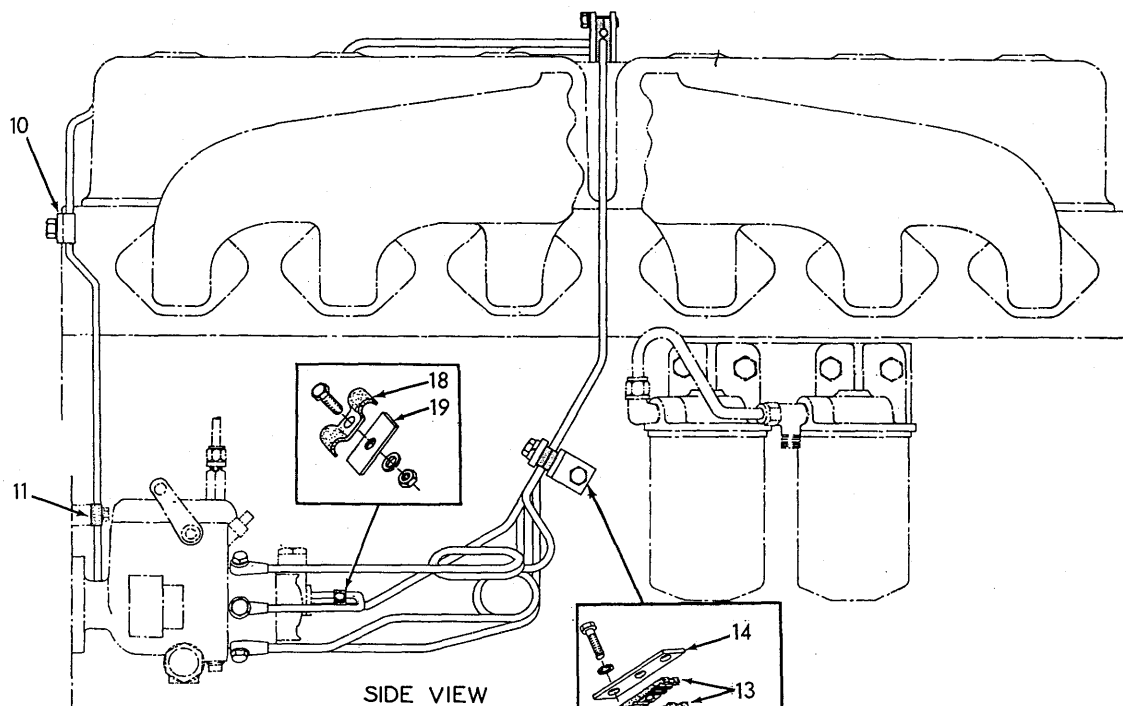
INJECTION NOZZLES AND LINES

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	-----	12	STUD, injection nozzle holder (Order CAPSCREW 70903632)
	70910123	12	NUT, 3/8"NF
	70904206	12	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	1	BRACKET, tube supporting, lower
	70916271	2	CAPSCREW, 3/8"NC x 1"
	70904206	2	LOCKWASHER, 3/8"
13	74336532	2	SPACER, injection tubes, lower
14	74336531	1	PLATE, clamping, injection tubes, lower
	70914392	3	CAPSCREW, 5/16"NC x 1"
	70904205	3	LOCKWASHER, 5/16"
15	74336249	1	BRACKET, tube supporting, upper
	70910195	1	NUT, 1/2"NF
	70904208	1	LOCKWASHER, 1/2"
16	74507359	4	SPACER, injection tubes, upper
17	74336250	1	CLAMP, injection tubes, upper
	70914670	3	CAPSCREW, 5/16"NC x 1-1/8"
	70904205	3	LOCKWASHER, 5/16"
18	74025385	12	SHIELD, dirt



TOP VIEW

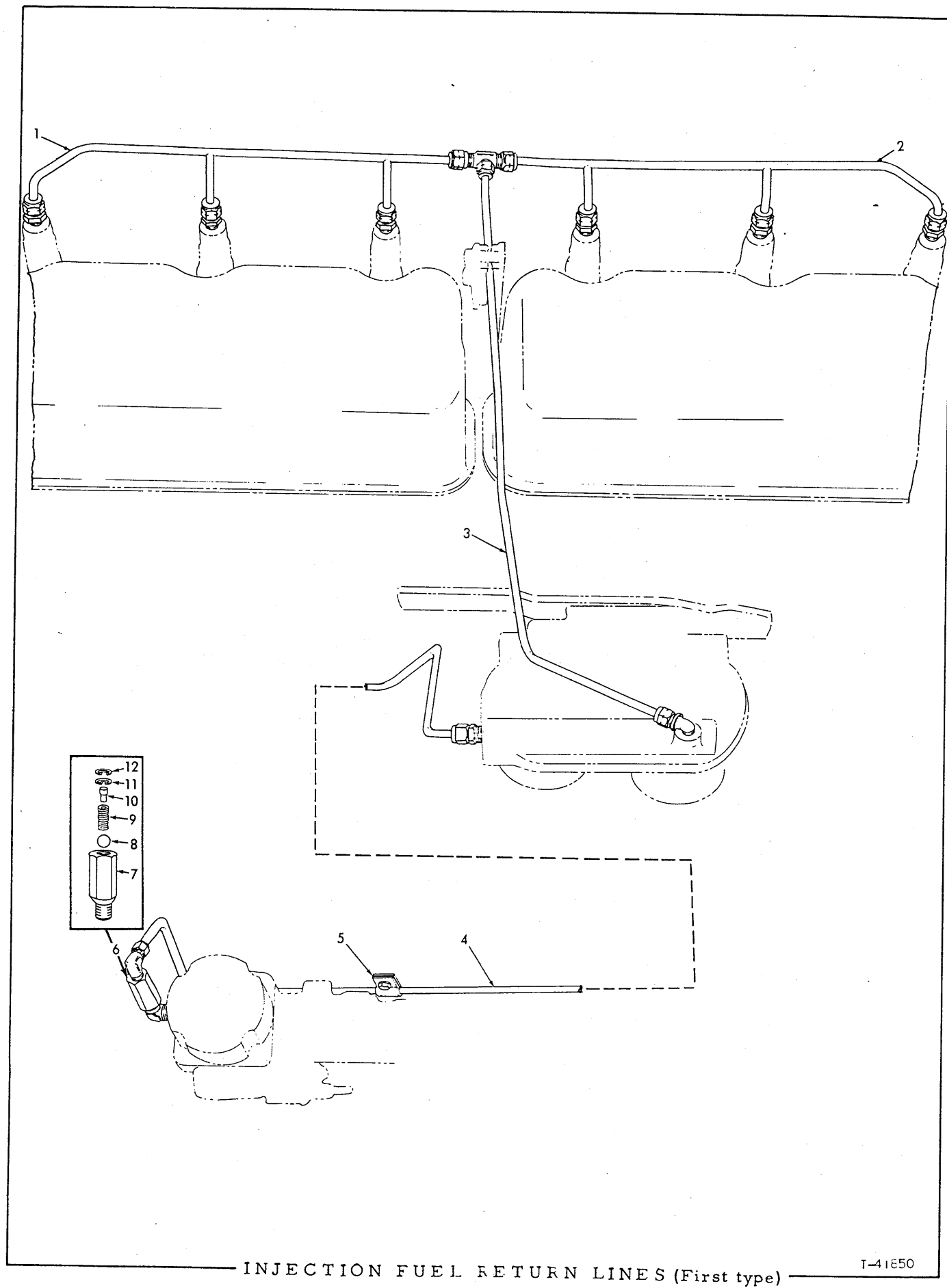


SIDE VIEW

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	-----	12	STUD, injection nozzle holder (Engines prior to #11-12978. Order CAPSCREW 70903632)
	70910123	12	NUT, 3/8"NF
	70904206	12	LOCKWASHER, 3/8"
	70914847	12	CAPSCREW, 3/8"NC x 1-1/2"(Engines #11-12978 and up)
	70904206	12	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	1	CLIP, injection tube (#1 cylinder)
	70916284	1	CAPSCREW, 1/4"NC x 1/2"
	70904204	1	LOCKWASHER, 1/4"
12	74339712	1	BRACKET, tube supporting, lower
	70915809	1	CAPSCREW, 5/16"NC x 3/4"
	70904205	1	LOCKWASHER, 5/16"
13	74336532	2	SPACER, injection tubes, lower
14	74336531	1	PLATE, clamping, injection tubes, lower
	70914670	3	CAPSCREW, 5/16"NC x 1-1/8"
	70904205	3	LOCKWASHER, 5/16"
15	74336249	1	BRACKET, tube supporting, upper
	70910195	1	NUT, 1/2"NF
	70904208	1	LOCKWASHER, 1/2"
16	74507359	4	SPACER, injection tubes, upper
17	74336250	1	CLAMP, injection tubes, upper
	70914670	3	CAPSCREW, 5/16"NC x 1-1/8"
	70904205	3	LOCKWASHER, 5/16"
18	74513552	1	CLAMP, injection tubes
	70916278	1	CAPSCREW, 5/16"NC x 1/2"
	70904205	1	LOCKWASHER, 5/16"
	70910323	1	NUT, 5/16"NC
19	74359106	1	PLATE, injection tube clamp

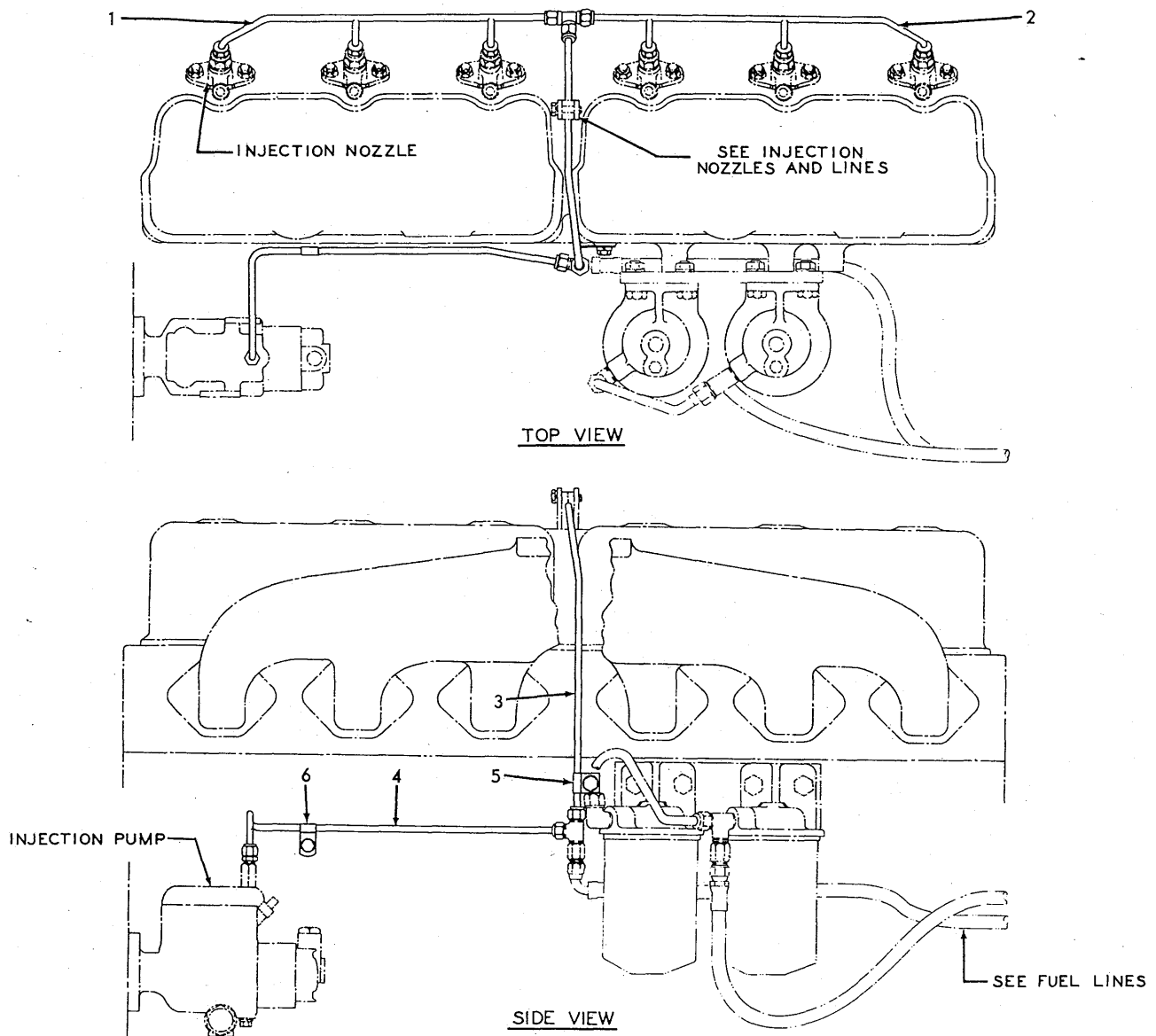


T-41650

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



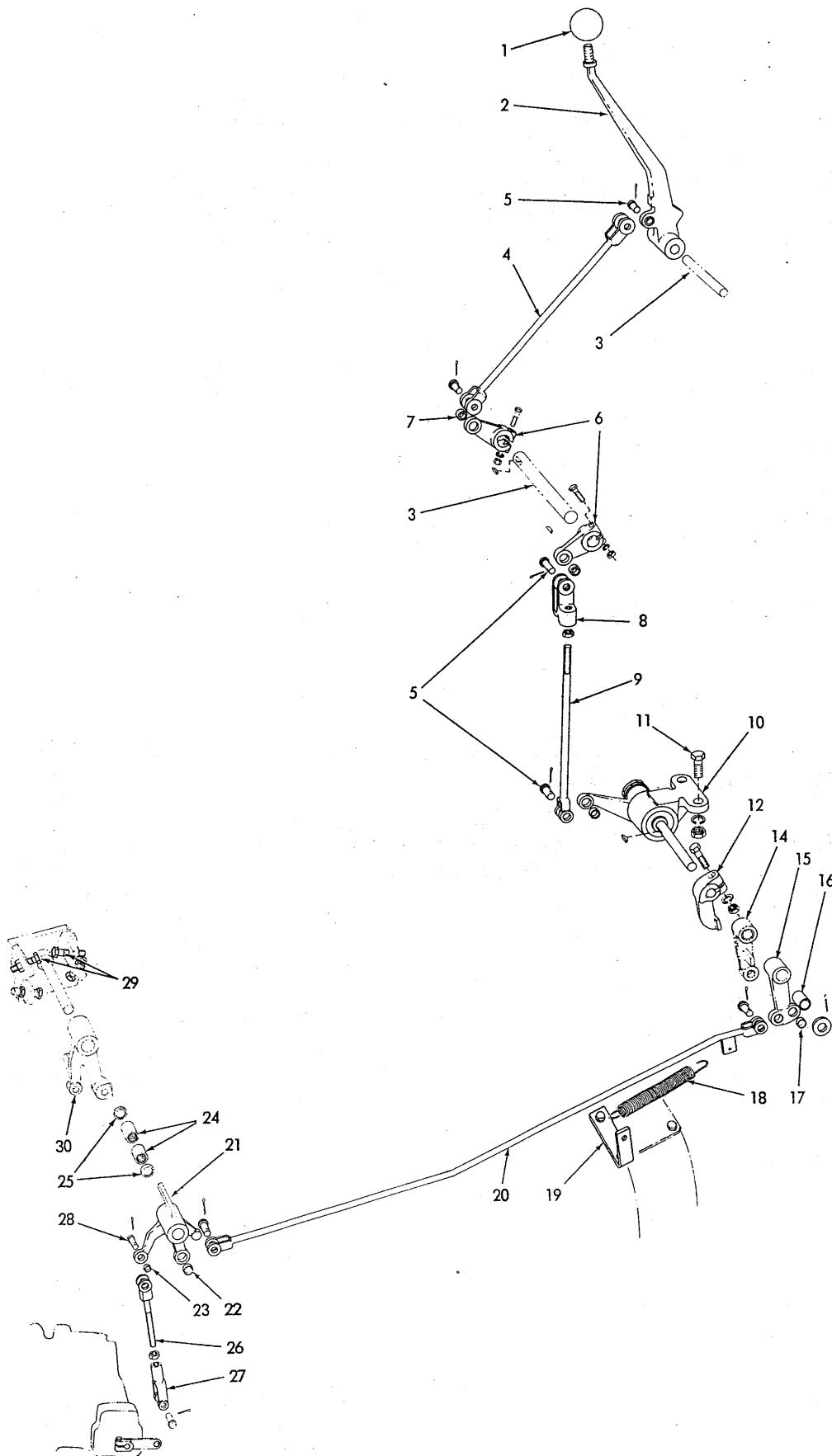
INJECTION FUEL RETURN LINES (Second type)

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)

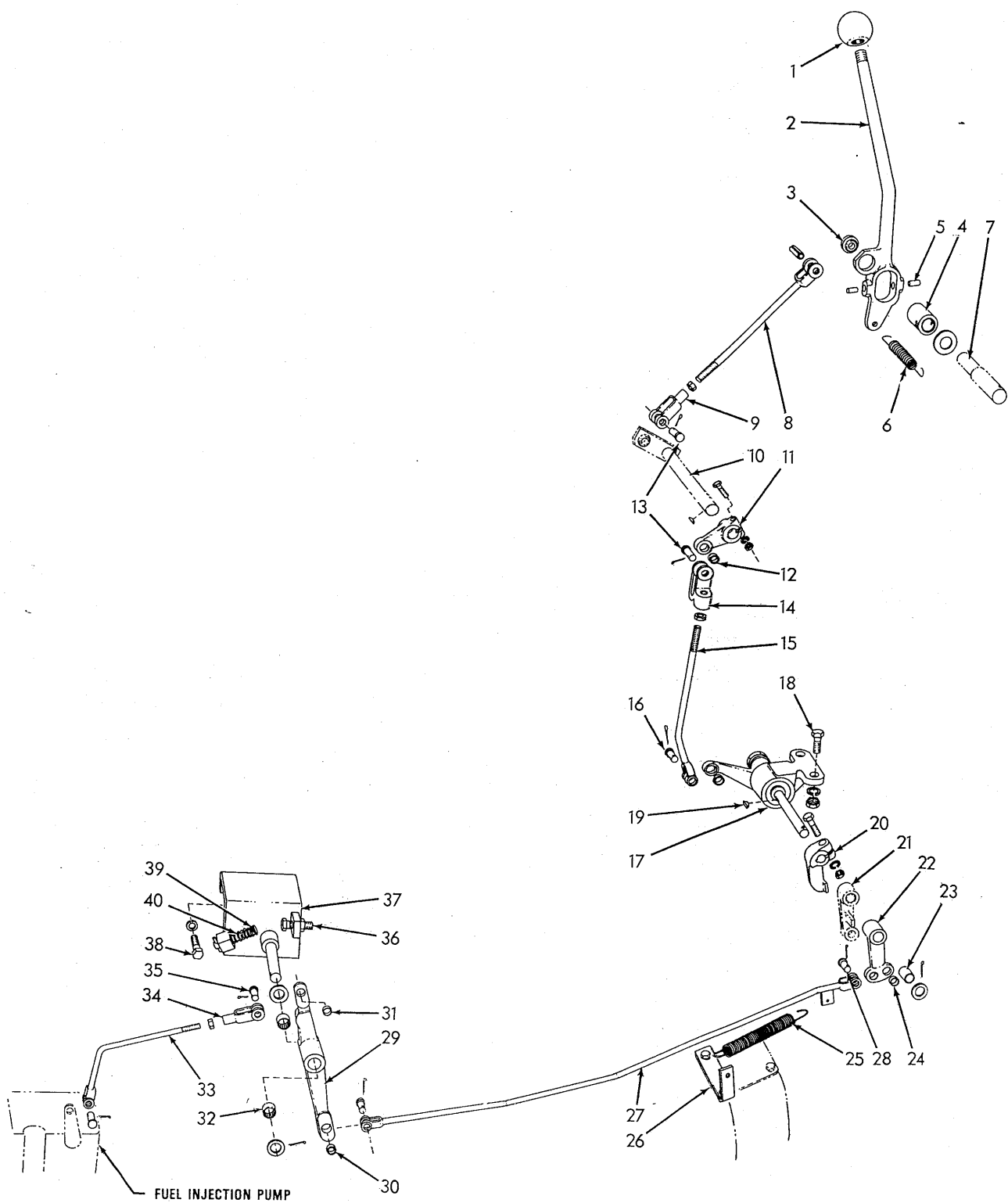
T-41886

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	6	PIN, yoke, control rod
	70900942	6	PIN, cotter, 3/32" x 5/8"
6	70630836	2	LEVER ASSEMBLY, upper and intermediate rods (Includes item 7)
	70905123	2	KEY, #9 woodruff, 3/16" x 3/4"
	70046419	2	CAPSCREW, 3/8"NF x 2"
	70904206	2	LOCKWASHER, 3/8"
	70911041	2	NUT, 3/8"NF
7	70624584	2	BUSHING, lever, upper and intermediate rods
8	70634074	1	YOKE, intermediate upper rod
9	70631651	1	ROD, intermediate, upper
	70911048	1	NUT, jam, 3/8"NF
10	70634087	1	FRICITION ASSEMBLY (See page 77 for parts)
	70910244	1	WASHER, plain, SAE std., 1/2"
	70900806	1	PIN, cotter, 1/8" x 1"
11	70614478	2	CAPSCREW, 1/2"NF x 1-3/8"
	70904208	2	LOCKWASHER, 1/2"
	70911043	2	NUT 1/2"NF
12	70633123	1	LEVER, friction shaft
	70041981	1	CAPSCREW, 5/16"NF x 1-1/2"
	70904205	1	LOCKWASHER, 5/16"
	70913636	1	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
19	70634072	1	BRACKET, intermediate lower rod spring
	70034964	2	CAPSCREW, 1/4"NC x 3/4"
	70904204	2	LOCKWASHER, 1/4"
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	1	ROD, lower
	70910267	1	NUT, jam, 1/4"NF
27	70628737	1	YOKE, lower rod
28	70628738	2	PIN, lower rod
	70900970	2	PIN, cotter, 1/16" x 1/2"
29	70634650	2	CAPSCREW, lever stop (3/8"NC x 1-1/2")
	70911034	2	NUT, jam, 3/8"NC
30	-----	-	LEVER ASSEMBLY (See ENGINE SHUT-OFF CONTROL)

Not used on units equipped with special GROUND SPEED GOVERNOR
Also attach timing hole cover



- THROTTLE CONTROL (Second type)

THROTTLE CONTROL

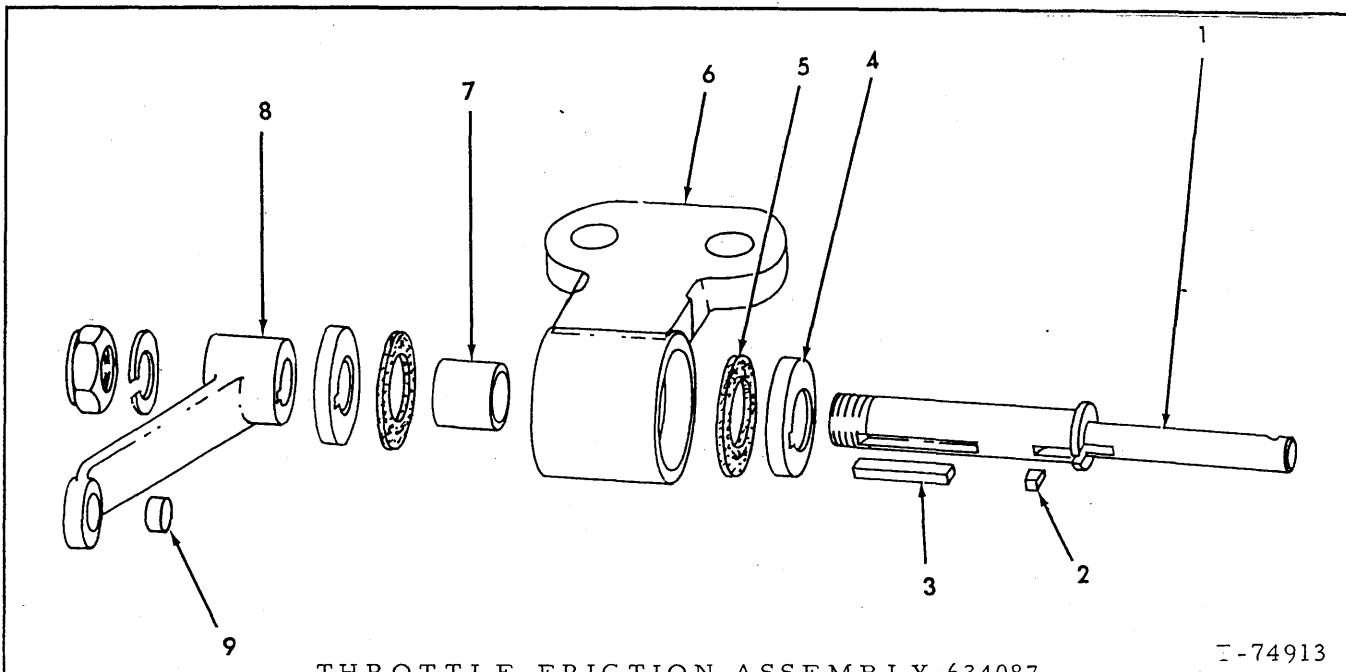
USAGE: Tractors serial No. 12201 thru 13366

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	1	SLEEVE, throttle lever
	70913289	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	1	ROD, upper
	70916986	1	PIN, spring, 3/8"
	70911048	1	NUT, jam, 3/8"NF
9	70628736	1	YOKE, upper rod
10	-----	-	LEVER, operating (See STEERING LEVERS AND LINKAGE)
11	70630836	1	LEVER ASSEMBLY, upper intermediate rod (Includes item 12)
	70905123	1	KEY, #9 woodruff, 3/16" x 3/4"
	70046419	1	CAPSCREW, 3/8"NF x 2"
	70904206	1	LOCKWASHER, 3/8"
	70911041	1	NUT, 3/8"NF
12	70624584	1	BUSHING, lever, upper intermediate rod
13	70078810	2	PIN, intermediate and upper rod yokes
	70900942	2	PIN, cotter, 3/32" x 5/8"
14	70634074	1	YOKE, intermediate upper rod
15	70657352	1	ROD, intermediate, upper
	70911048	1	NUT, jam, 3/8"NF
16	70078810	1	PIN, yoke, upper intermediate rod
	70900942	1	PIN, cotter, 3/32" x 5/8"
17	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"
18	70614478	2	CAPSCREW, 1/2"NF x 1-3/8"
	70904208	2	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF
19	70632756	1	KEY, friction shaft lever
20	70633123	1	LEVER, friction shaft
	70041981	1	CAPSCREW, 5/16"NF x 1-1/2"
	70904205	1	LOCKWASHER, 5/16"
	70913636	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
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
			Not used on units equipped with special GROUND SPEED GOVERNOR
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	YOKE, 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



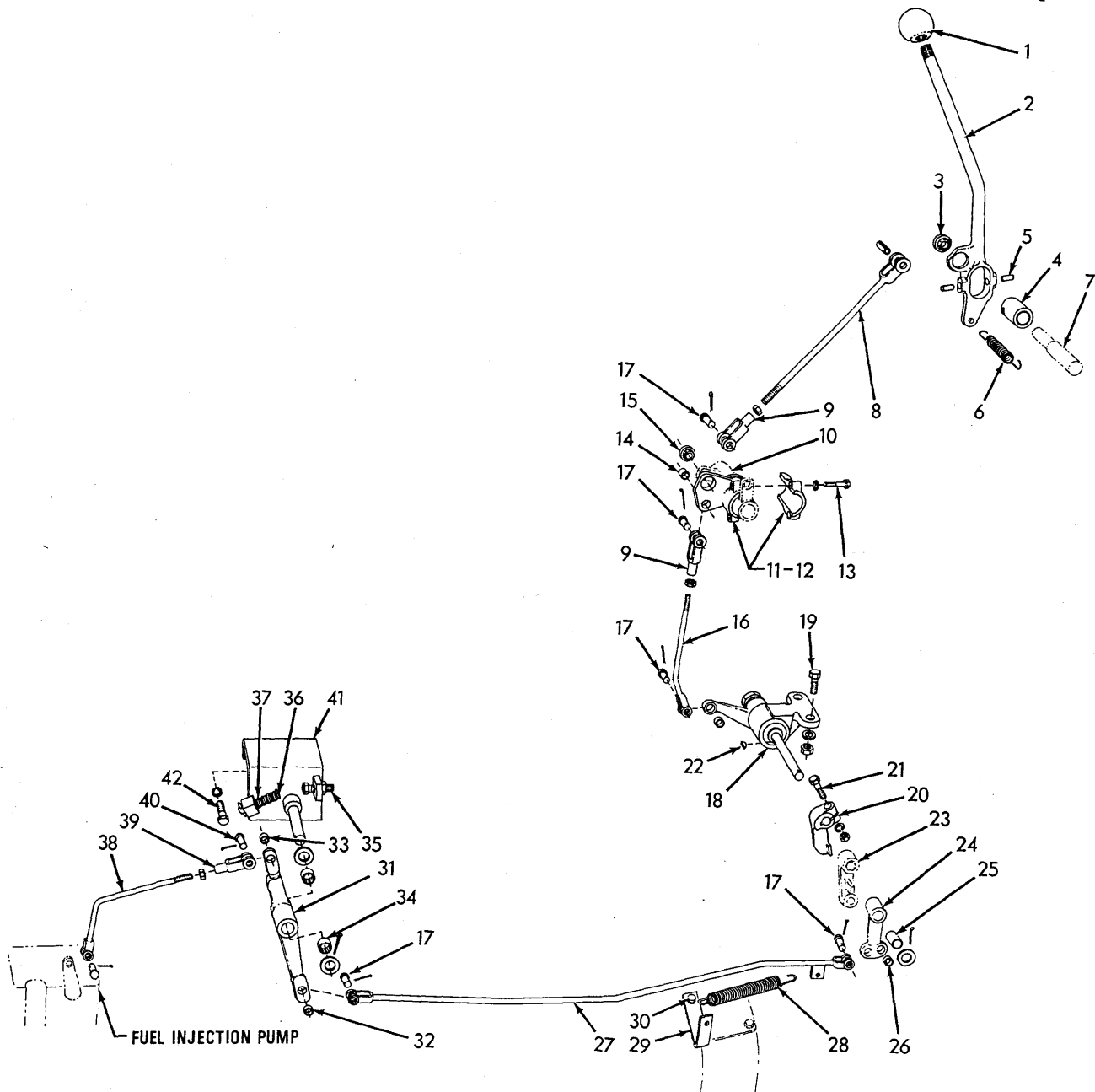
THROTTLE FRICTION ASSEMBLY 634087

T-74913

USAGE: See pages 73, 75 and 79

ITEM PART NO. QTY. DESCRIPTION

1	70634088	1	SHAFT, throttle levers
	70904369	1	LOCKWASHER, 3/4"
	70914452	1	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



THROTTLE CONTROL (Third type)

T-74914

THROTTLE CONTROL

USAGE: Tractors serial No. 13367 and up

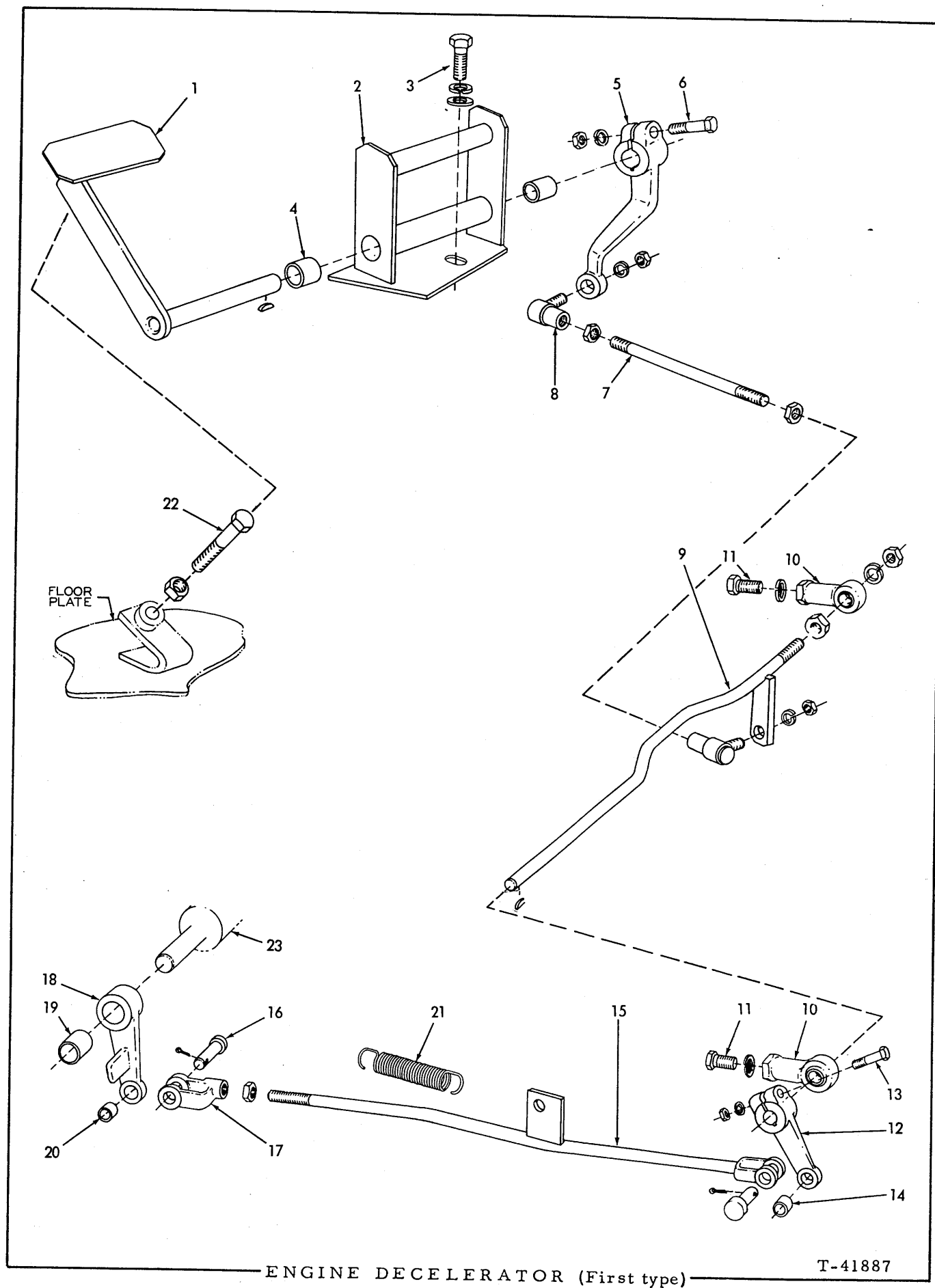
ITEM	PART NO.	QTY.	DESCRIPTION
1	70659076	1	KNOB, throttle lever
2	70657863	1	LEVER ASSEMBLY, throttle (Includes item 3)
3	70650712	1	BEARING, throttle lever (spherical)
4	70650683	1	SLEEVE, throttle lever
5	70650766	2	PIN, throttle lever
6	70650726	1	SPRING, throttle lever
7	-----	-	SHAFT, operating 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	YOKE, 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	} Not used on units equipped with special GROUND SPEED GOV- ERNOR
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	YOKE, 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"	

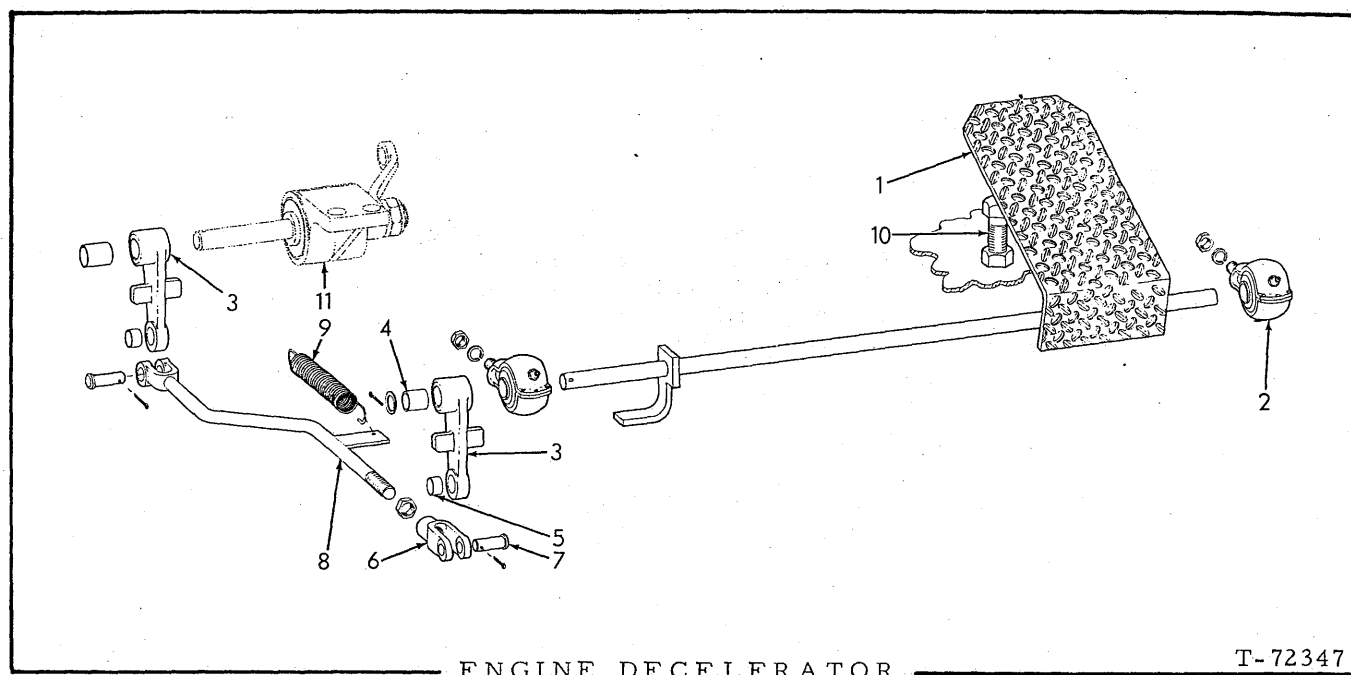
MEMO



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
	70649274	1	CAPSCREW, pedal stop (Late units)
	70911035	1	NUT, jam, 1/2"NC
23	-----	-	FRICITION ASSEMBLY (See THROTTLE CONTROL)

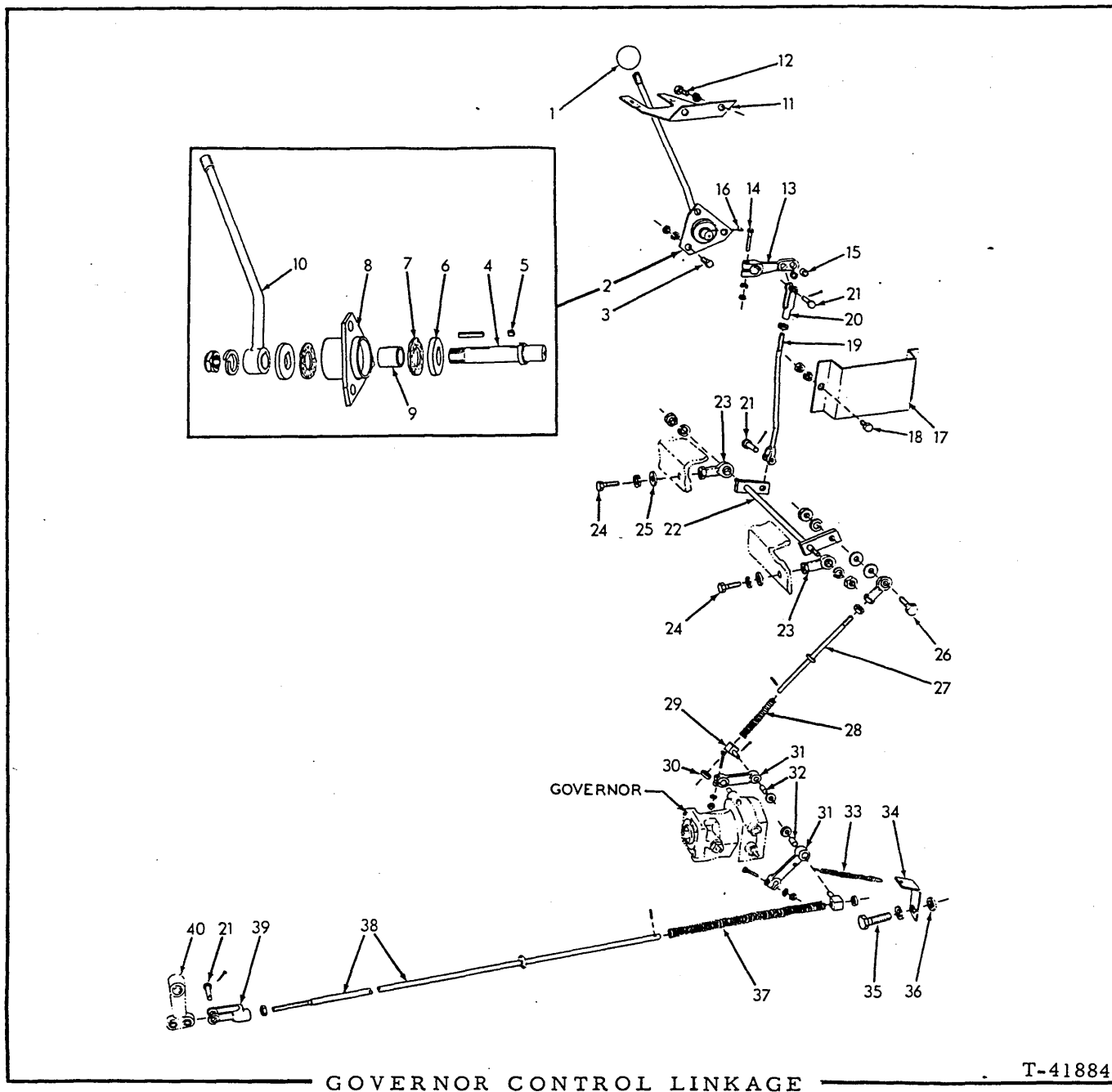


ENGINE DECELERATOR

T-72347

USAGE: Tractors serial No. 12201 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	70650681	1	PEDAL
	70910244	1	WASHER, plain, SAE std., 1/2"
	70900806	1	PIN, cotter, 1/8" x 1"
2	70651002	2	BEARING, pedal (Includes FITTING)
	70904205	2	LOCKWASHER, 5/16"
	70911025	2	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	YOKE, lever rod
7	70078810	2	PIN, yoke, lever rod
	70900942	2	PIN, cotter, 3/32" x 5/8"
8	70650594	1	ROD, lever
	70911048	1	NUT, 3/8"NF
9	70072438	1	SPRING, retracting, lever rod (For units equipped with special GROUND SPEED GOVERNOR only)
10	70648477	1	CAPSCREW, pedal stop
	70911035	1	NUT, jam, 1/2"NC
11	-----	-	FRICITION ASSEMBLY (See THROTTLE CONTROL)



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)

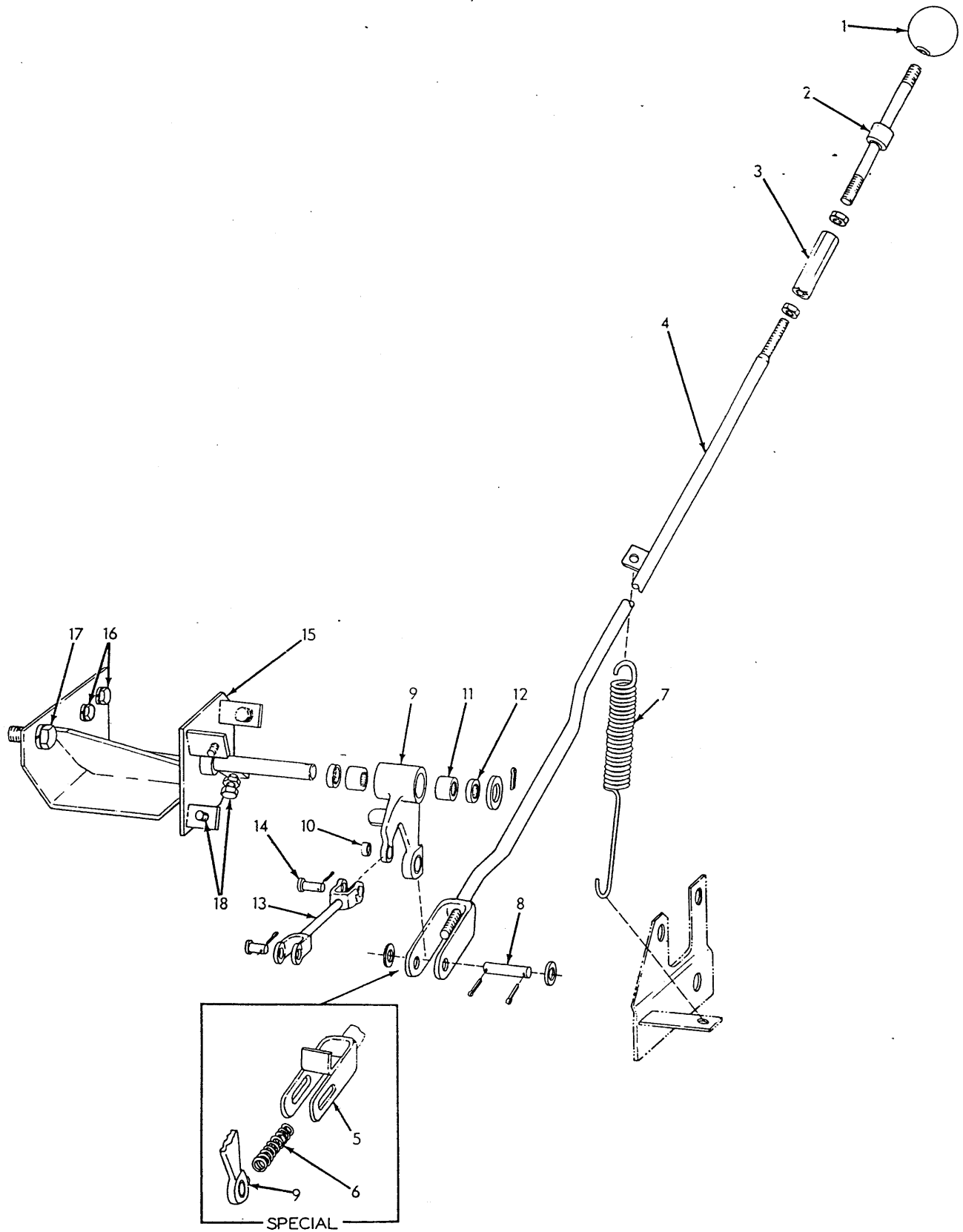
GOVERNOR CONTROL LINKAGE (Continued)

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	YOKE, lower rod
40	-----	1	LEVER (See THROTTLE CONTROL)



ENGINE SHUT-OFF CONTROL

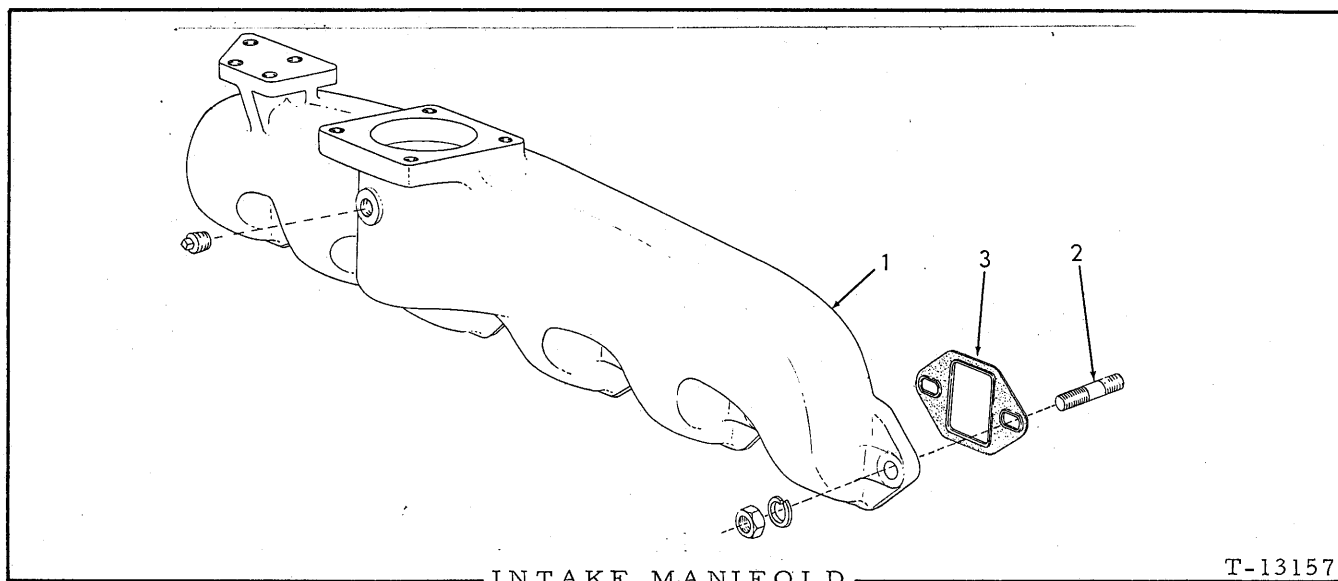
T-41888

ENGINE SHUT-OFF CONTROL

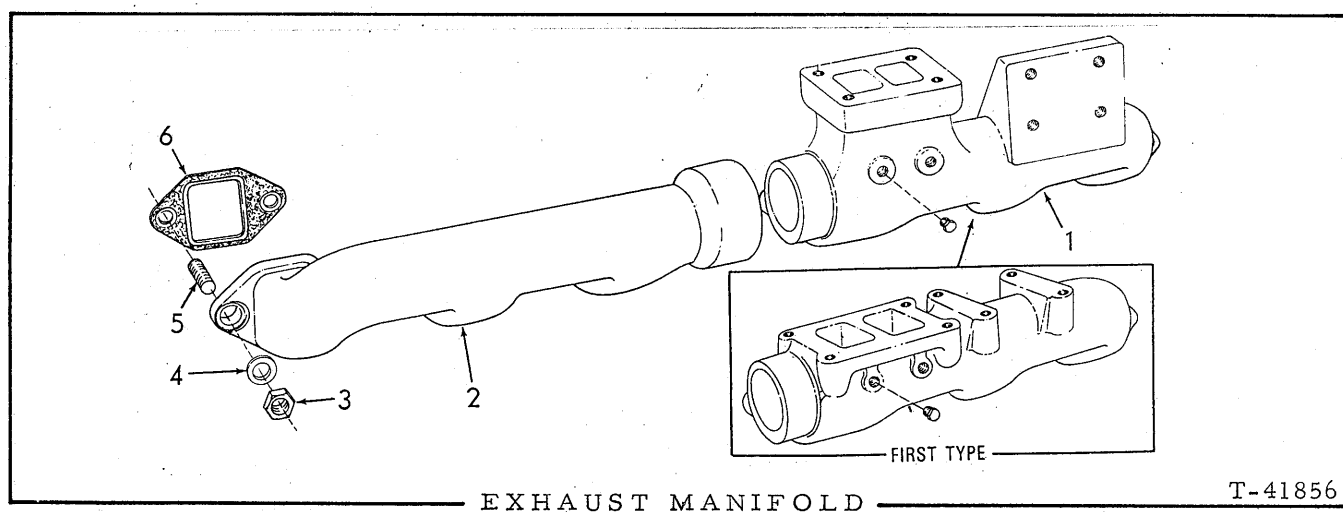
USAGE: Tractors prior to serial No. 12201

ITEM	PART NO.	QTY.	DESCRIPTION
1	70091855	1	KNOB, shut-off rod
2	70631555	1	ROD, upper
	70919763	1	NUT, 3/8"NF (left hand thread)
3	70095421	1	NUT, control adjustment
4	70644573	1	ROD, intermediate (Not used on units equipped with special GROUND SPEED GOVERNOR)
	70911048	1	NUT, jam, 3/8"NF
5	70644572	1	ROD, intermediate
	70911048	1	NUT, jam, 3/8"NF
6	70630745	1	SPRING, intermediate rod
7	70097663	1	SPRING, retracting
8	70631477	1	PIN, yoke, intermediate rod
	70911115	2	WASHER, plain, SAE std., 3/8"
	70900942	2	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	2	PIN, yoke, lower rod
	70900970	2	PIN, cotter, 1/16" x 1/2"
15	70644565	1	BRACKET, supporting, control linkage
16	70035439	2	CAPSCREW, 3/8"NC x 1"
	70904206	2	LOCKWASHER, 3/8"
17	70035220	1	CAPSCREW, 1/2"NC x 1-1/8"
	70904208	1	LOCKWASHER, 1/2"
	70910244	1	WASHER, plain, SAE std., 1/2"
	70900806	1	PIN, cotter, 1/8" x 1"
18	70634650	2	CAPSCREW, lever stop (3/8"NC x 1-1/2")
	70911034	2	NUT, jam, 3/8"NC

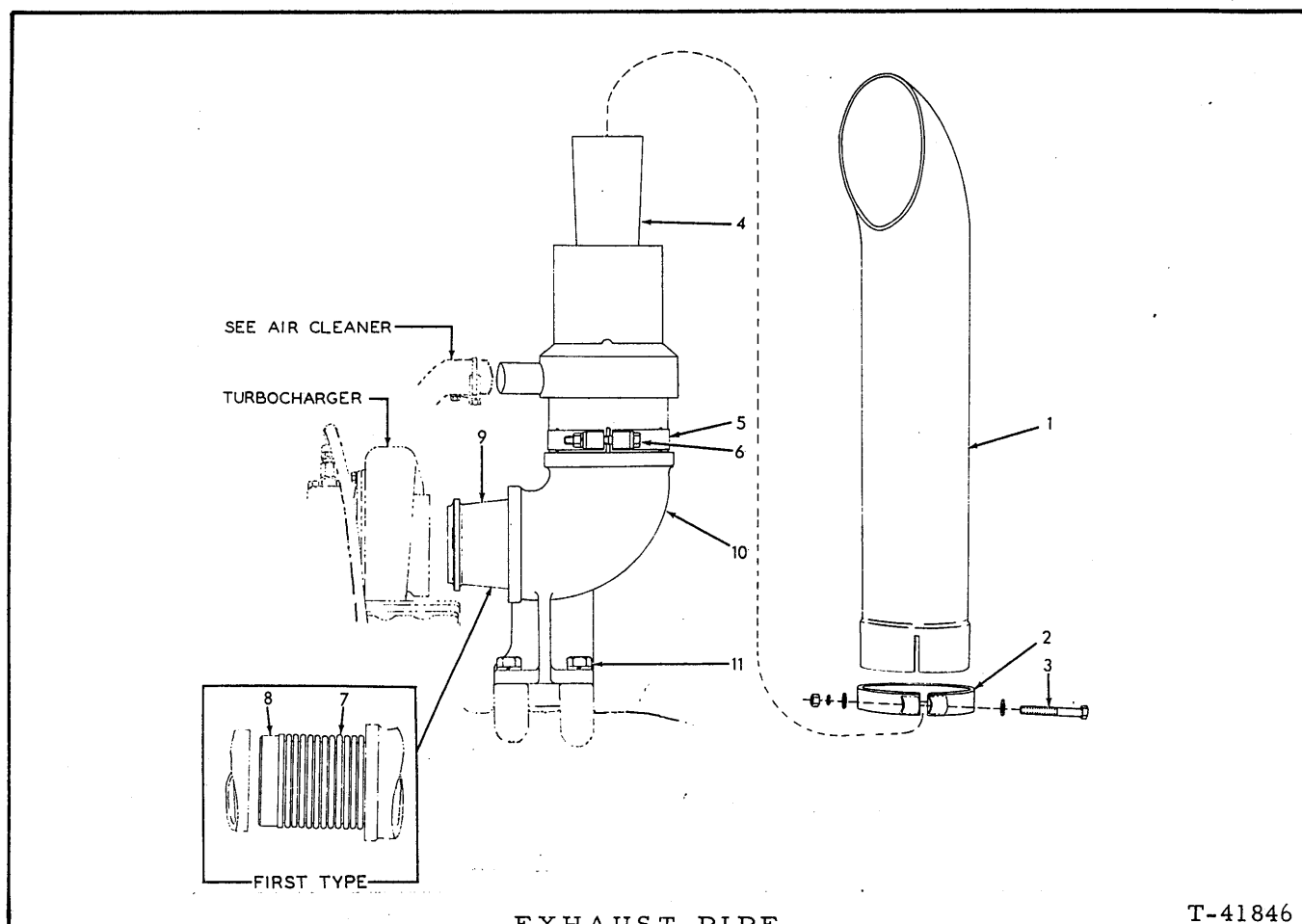
For units equipped with special GROUND SPEED GOVERNOR only



ITEM	PART NO.	QTY.	DESCRIPTION
1	74320823	1	MANIFOLD, intake
	70901652		PLUG, pipe, 1/4"NPT
2	74339378	2	STUD, intake manifold (2-1/2" long)
	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



ITEM	PART NO.	QTY.	DESCRIPTION
1	74339511	1	MANIFOLD, front (Engines prior to #11-17140)
	74359206	1	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

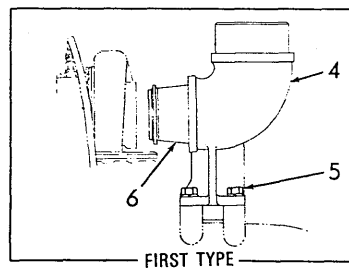
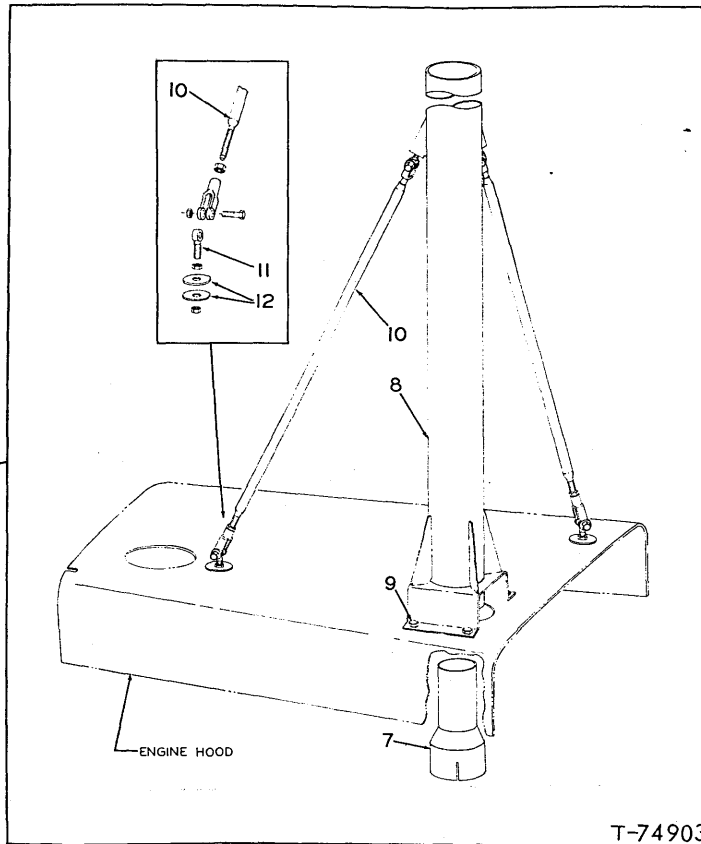
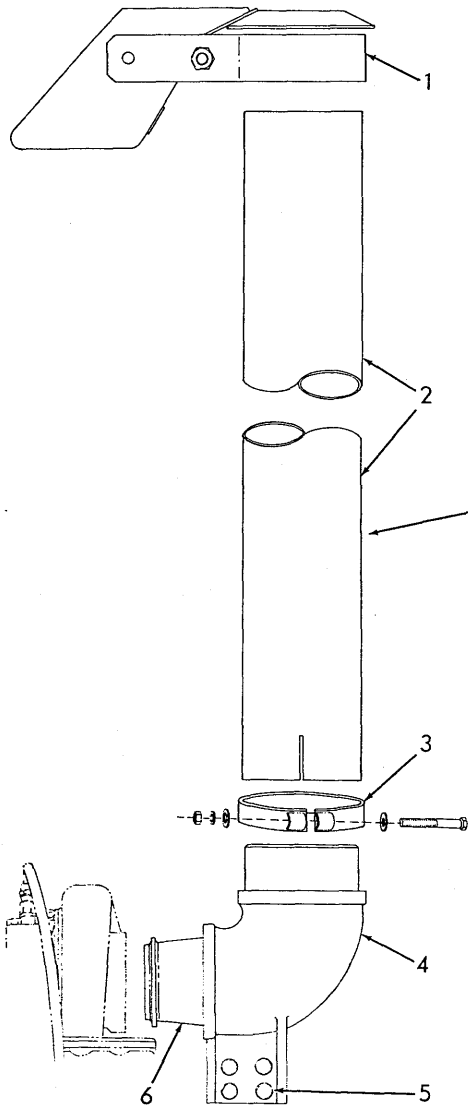


USAGE: Tractors prior to serial No. 13367

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

ITEM	PART NO.	QTY. * **	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 -	WASHER, plain, U.S. std., 3/8"
	70904206	1 -	LOCKWASHER, 3/8"
	70911041	1 -	NUT, 3/8"NF
7	-----	1 -	HOSE, exhaust outlet (metal)
8	-----	1 -	ADAPTOR, exhaust outlet hose
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"

Used prior to engine #11-11877.
 Order item 9.



EXHAUST PIPE

T-74915

USAGE: Tractors serial No. 13367 and up

ITEM PART NO. QTY. DESCRIPTION

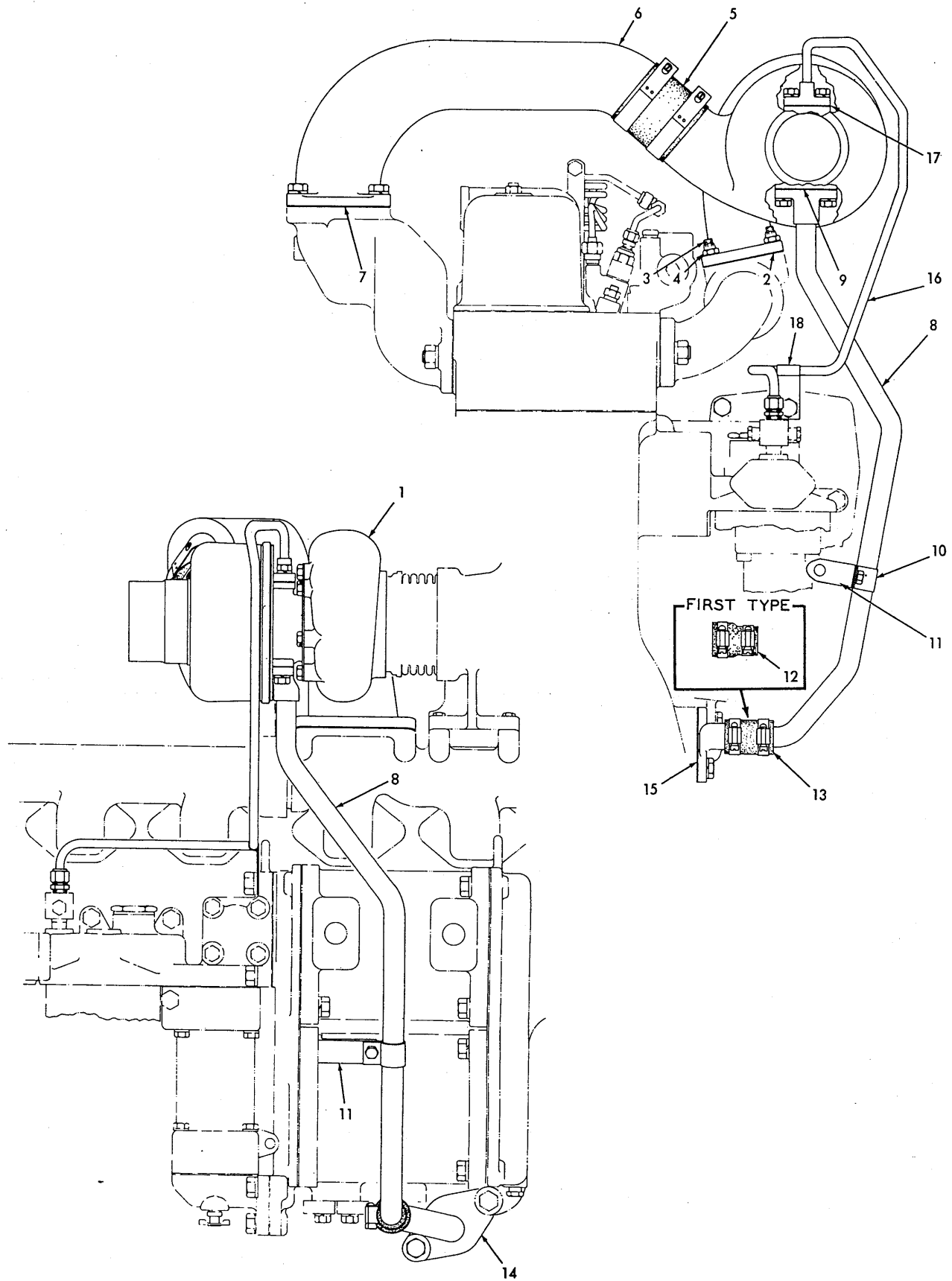
1	70654029	1	RAINCAP	} Used prior to January 1969
2	70658582	1	PIPE, exhaust (straight)	
	70666456	1	PIPE exhaust (curved)(Effective January 1969)	
3	70638922	1	CLAMP, exhaust pipe	
	70916389	1	CAPSCREW, 3/8"NF x 3-1/4"	
	70044973	2	WASHER, plain	
	70904206	1	LOCKWASHER, 3/8"	
	70911041	1	NUT, 3/8"NF	

(Continued)

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)
<u>NOTE:</u> 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

(Revised May 1979)



TURBOCHARGER

T-70430

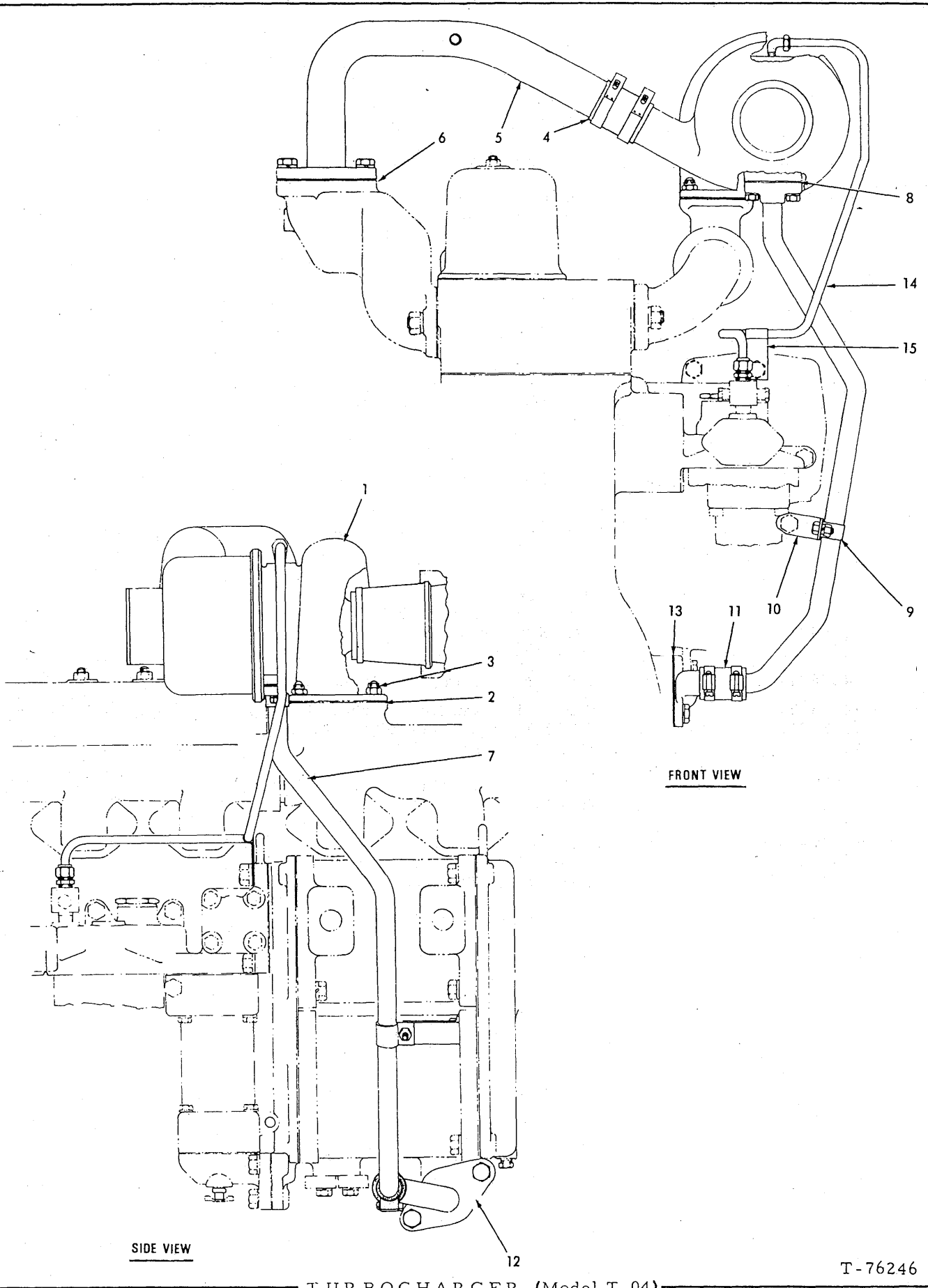
TURBOCHARGER
(Model TE-06)

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	☐ 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	☐ 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	☐ 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	☐ 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

(Revised April 1971)



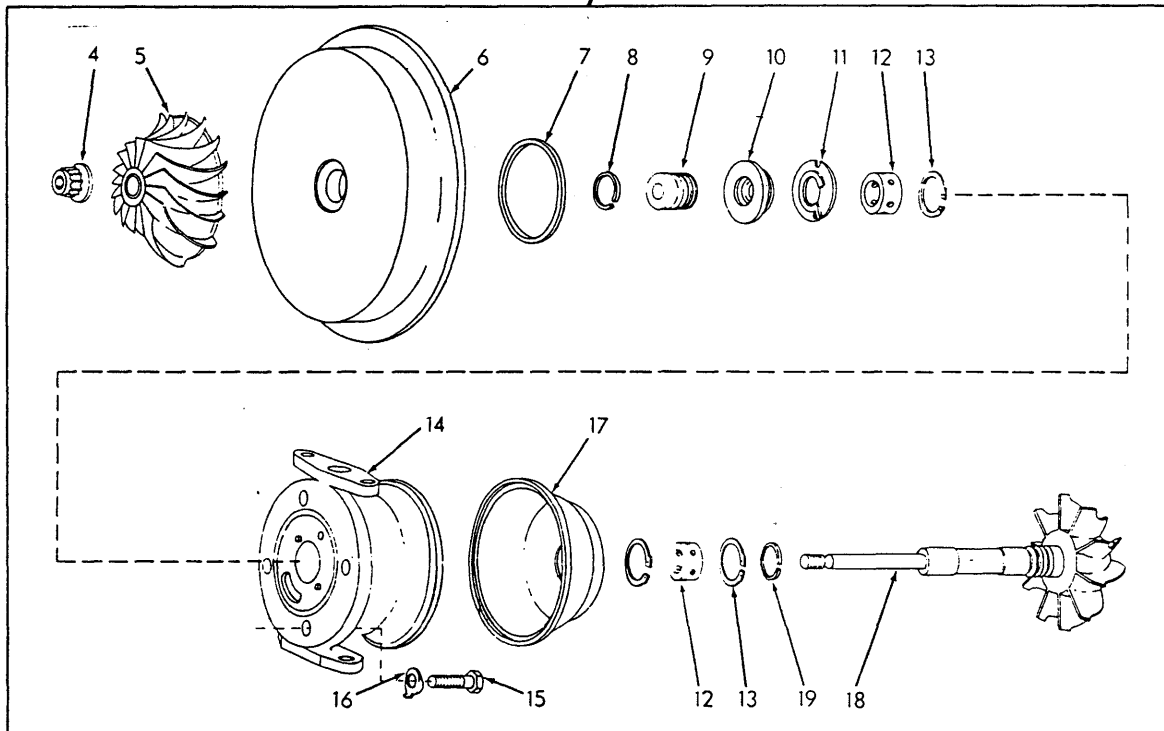
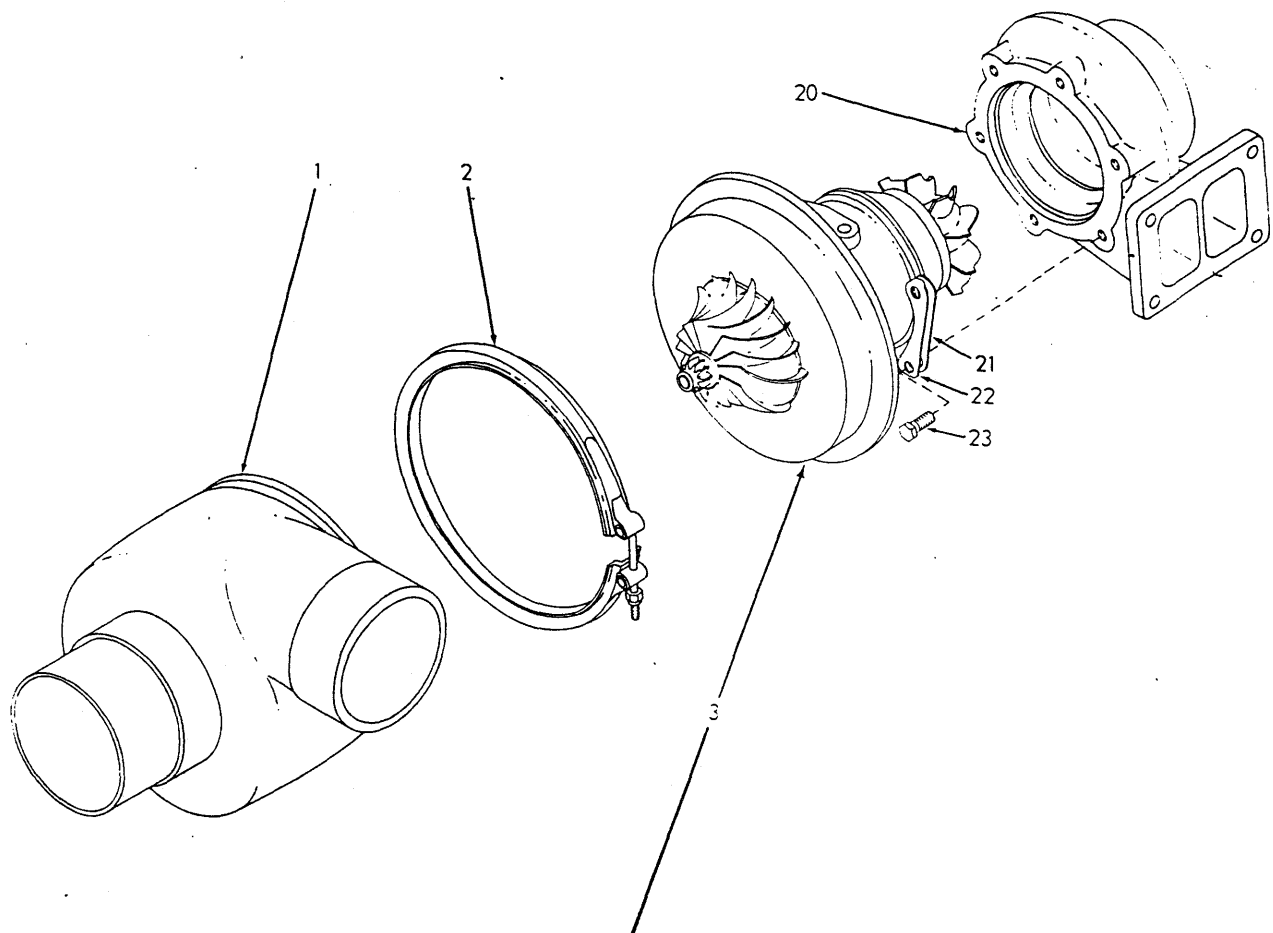
T-76246

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	4	STUD, turbocharger mounting
	74255977	4	NUT, stainless, 3/8"NC
	70913544	4	WASHER, plain
4	74359213	1	HOSE, air discharge elbow
	70927140	2	CLAMP, hose
5	74359216	1	TUBE, air discharge
	70919840	1	PLUG, pipe, hex-hd., 1/4"NPT (Not used when engine primer is installed)
	70916311	4	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	4	LOCKWASHER, 1/2"
6	74349193	1	GASKET, air discharge elbow
7	74359200	1	TUBE, oil drain
	70916271	2	CAPSCREW, 3/8"NC x 1"
	70904206	2	LOCKWASHER, 3/8"
8	74339532	1	GASKET, oil drain line
9	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
10	74358911	1	BRACKET, supporting, oil drain line
11	74358728	1	HOSE, oil drain line
	70921912	2	CLAMP, hose, 1-7/16" diam.
12	74339496	1	FLANGE, oil drain line
	70919230	2	CAPSCREW, 1/2"NC x 1-3/8"
	70904208	2	LOCKWASHER, 1/2"
13	74336436	1	GASKET, oil drain line flange
14	74359202	1	TUBE ASSY., oil feed (Includes SLEEVE and NUT indented below)
	74338301	1	SLEEVE (turbo end)
	70917807	1	SLEEVE, Sealastic, 3/8" tube (filter end)
	70917810	2	NUT, Sealastic, 3/8" tube
	70920700	1	CONNECTOR, Sealastic, 3/8" tube, 3/8"NPT male
	70920280	1	ELBOW, Imperial, 90°, 3/8" tube, 1/4"NPT male
15	74375953	1	CLAMP, supporting, oil feed tube

(Revised May 1979)



T-70408

TURBOCHARGER ASSEMBLY

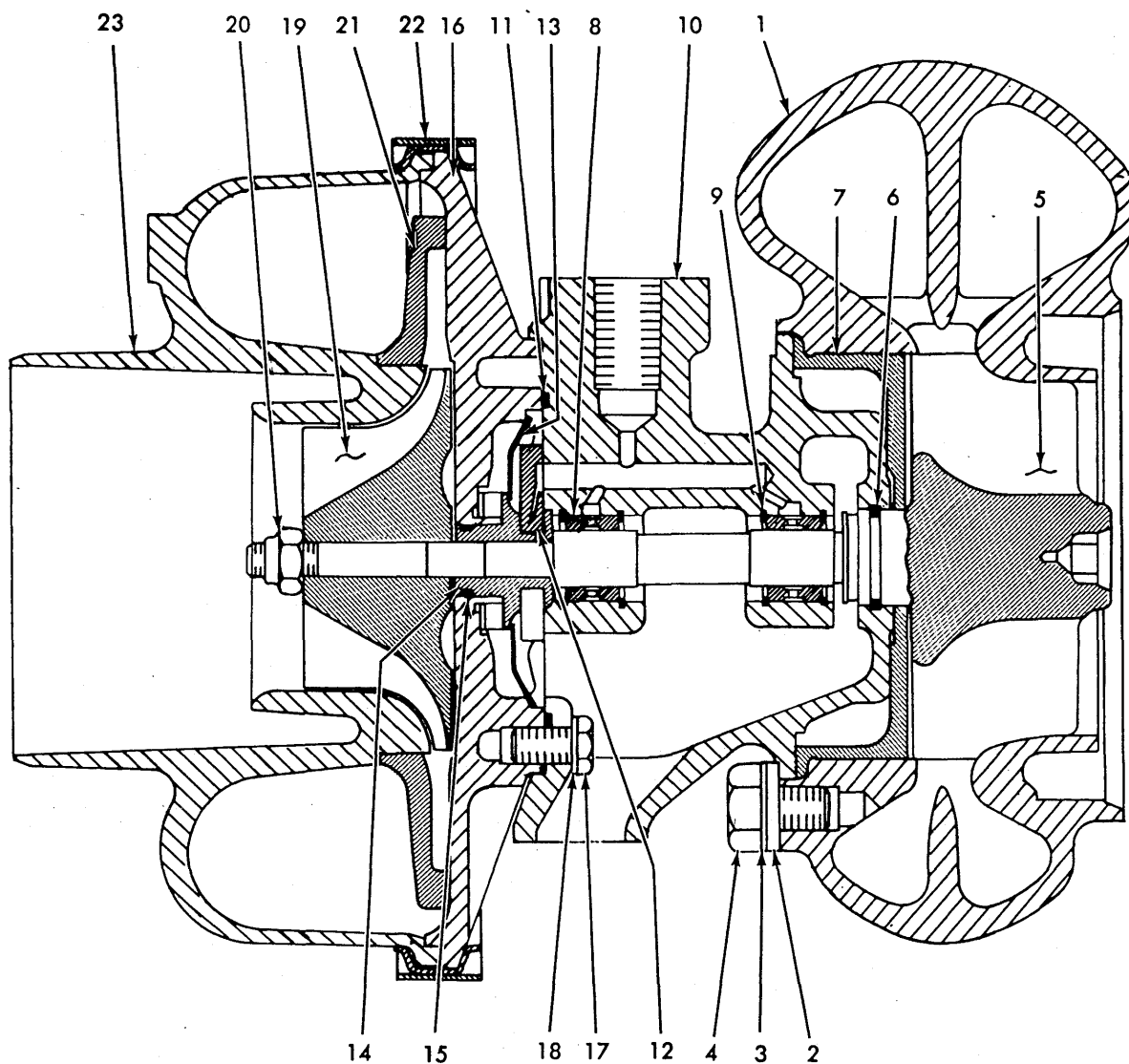
(Revised May 1979)

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

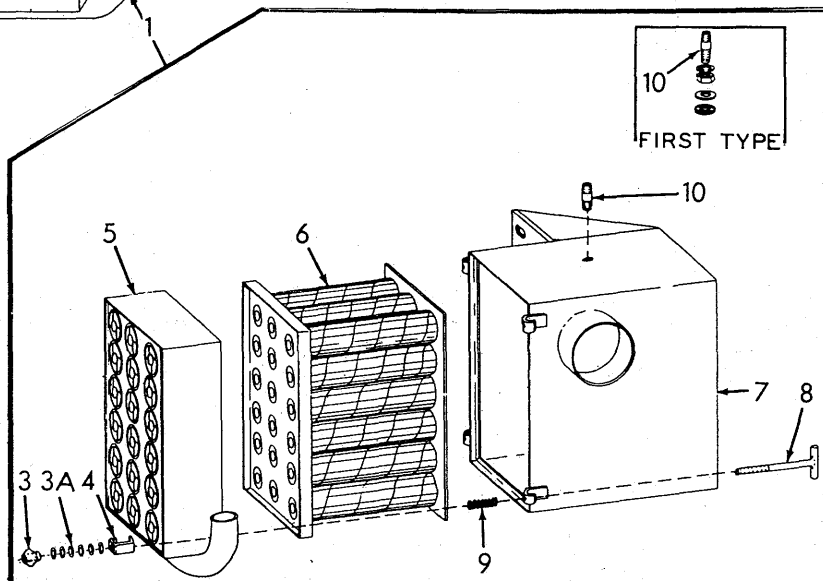
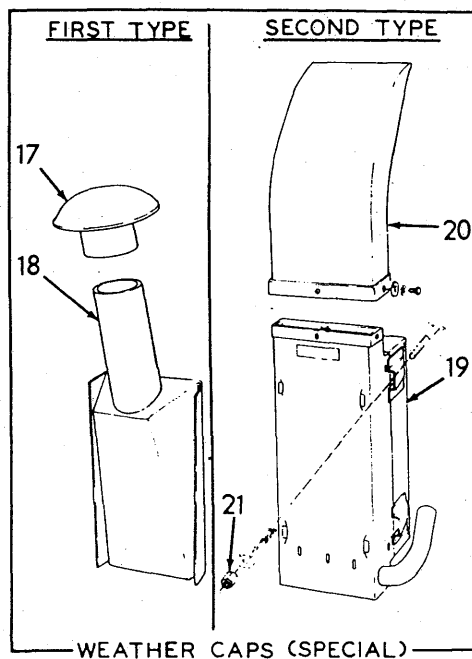
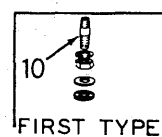
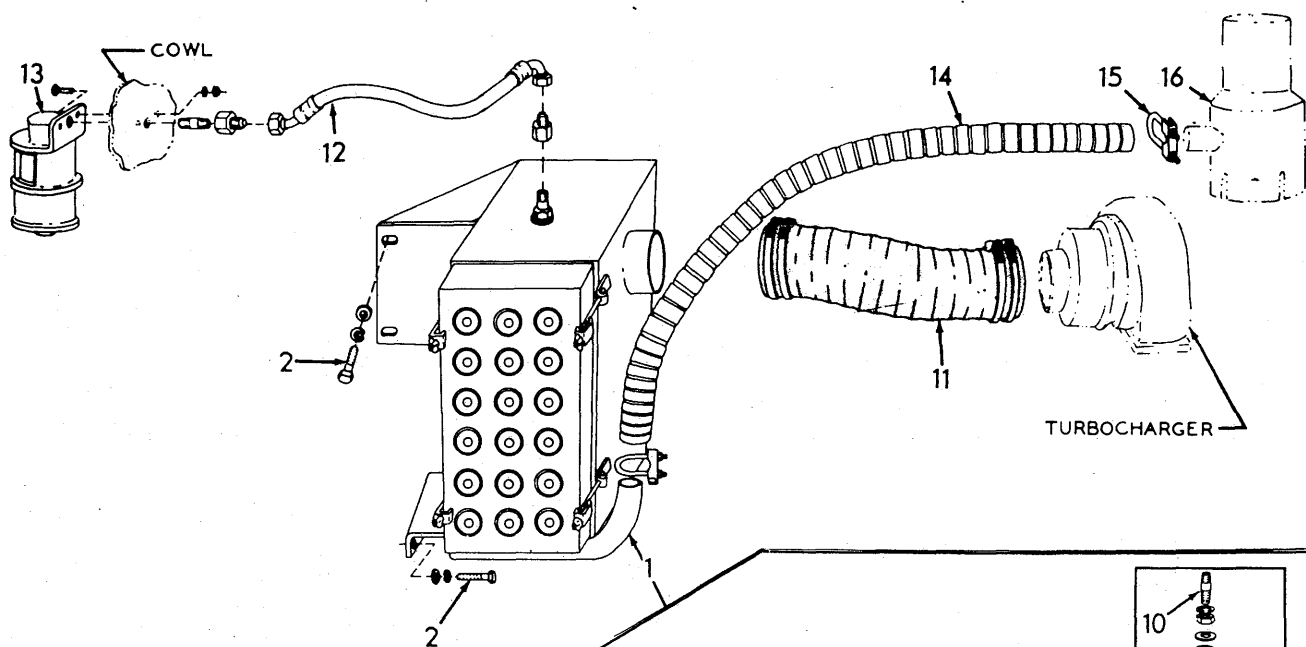
(Continued)

(Revised January 1974)

TURBOCHARGER ASSEMBLY (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
5	74060011	1	SHAFT AND TURBINE WHEEL
6	74059985	1	RING, sealing, turbine wheel shaft (For use with TURBOCHARGER 74359212)
	74060936	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	1	HOUSING ASSY., center (Includes item 6 and PIN indented below)
	74060000	2	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

(Revised January 1974)



AIR CLEANER (First type)

T-41845

AIR CLEANER

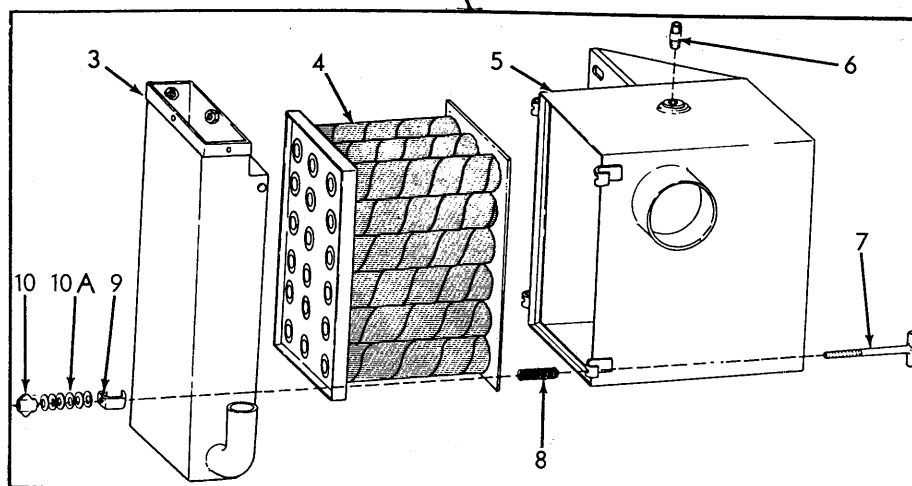
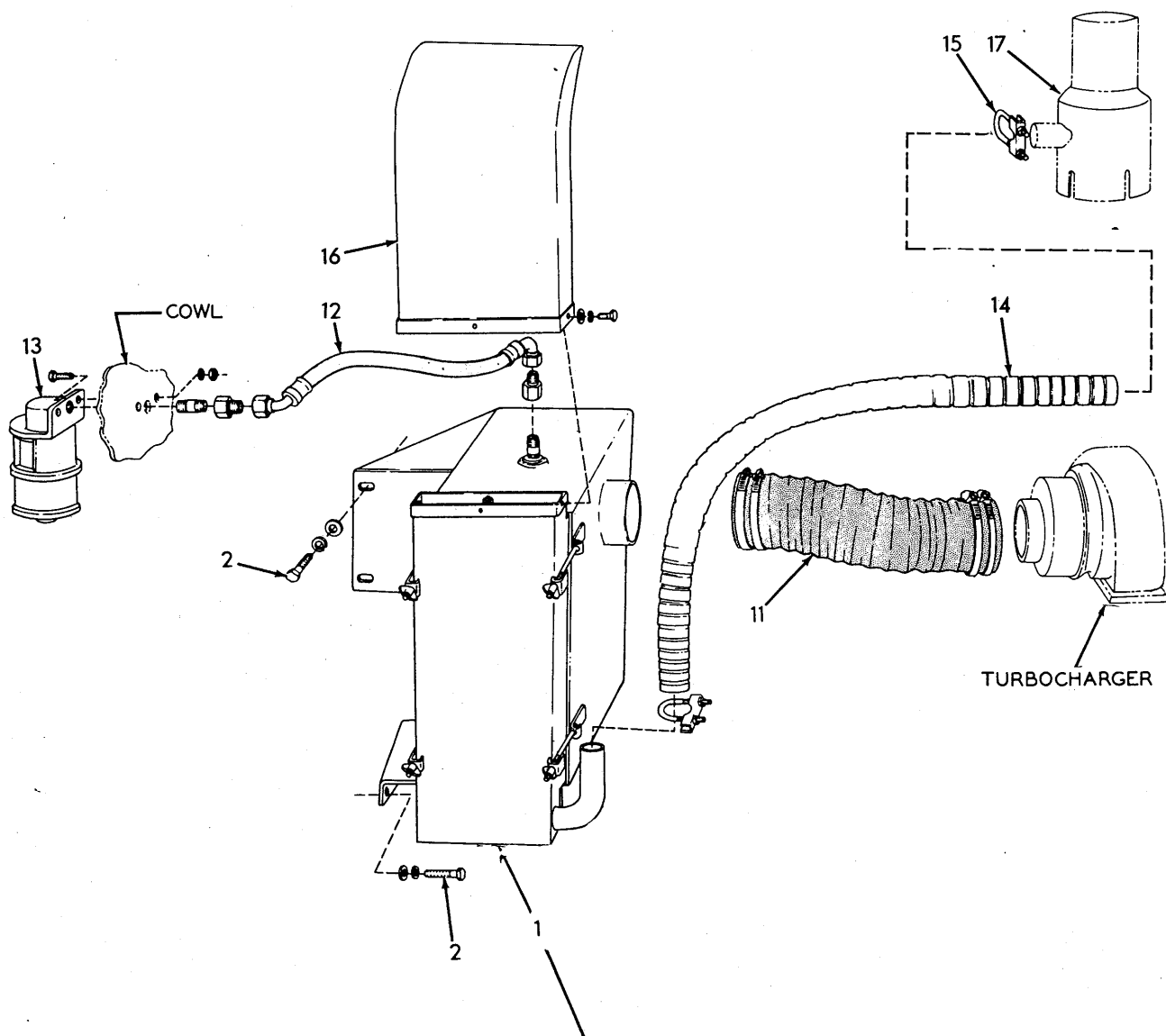
USAGE: Tractors prior to serial No. 11525

ITEM	PART NO.	QTY.	DESCRIPTION
1	70644071	1	CLEANER ASSEMBLY, air (Consists of items 3 thru 10)
2	70070469	4	CAPSCREW, 1/2"NF x 1-1/4" (Early units)
	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	70631564	1	INDICATOR, air restriction (Serviced only as a unit)
	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 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

FIRST TYPE

SECOND TYPE

NOTE: See PAINTING AND MARKING for transfers



AIR CLEANER (Second type)

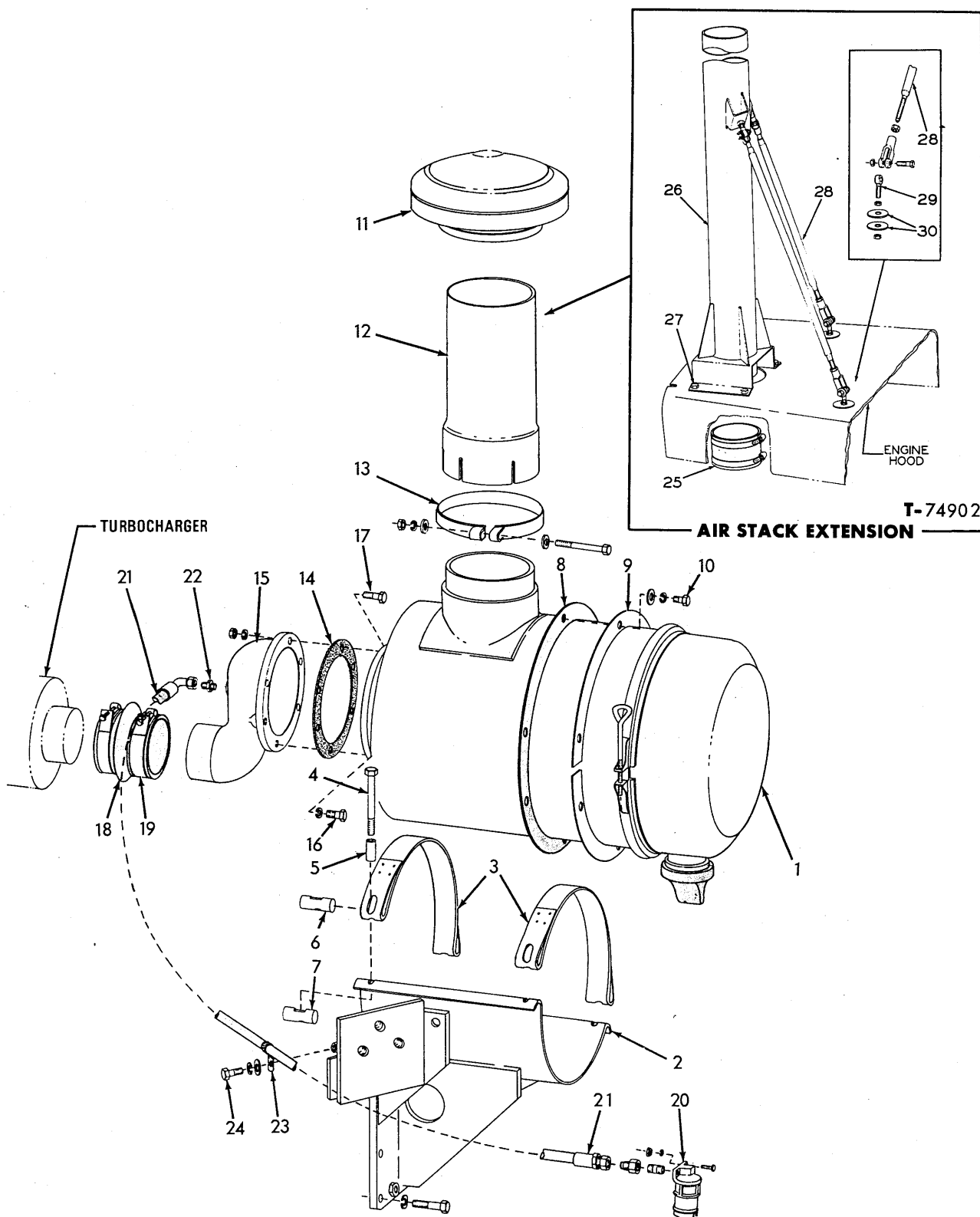
T-72062

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"	
3	70657823	2	BAND, mounting (Original equipment. For use with BRACKET 657825)	
	70667123	2	BAND, mounting	} Service replacement. For use with BRACKET 70667137
	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	} Original equipment. For use with BAND 70657823
5	70053667	4	SPACER, mounting band capscrow	
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)

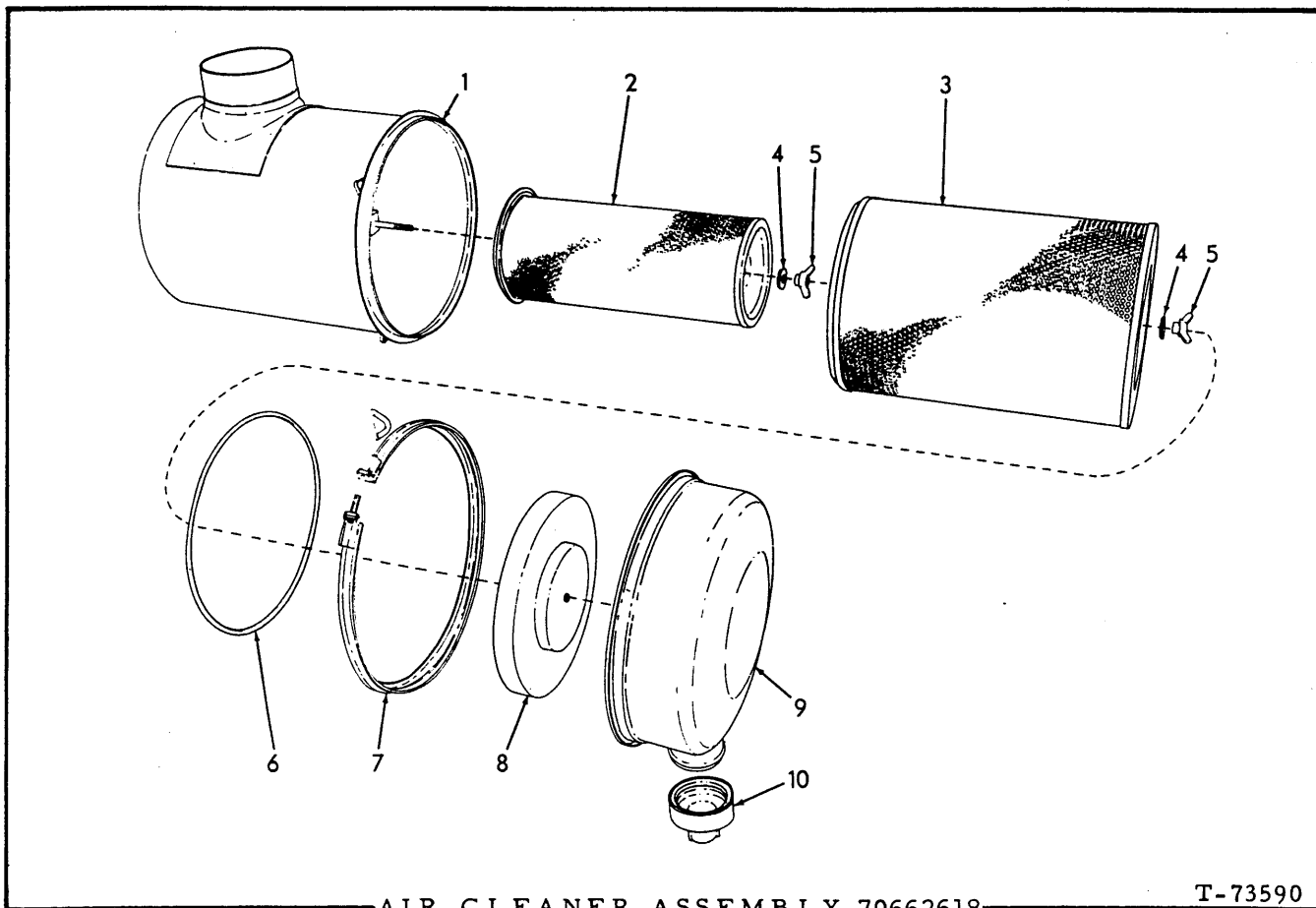
AIR CLEANER (Continued)
("Donaldson" Dry-type)

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

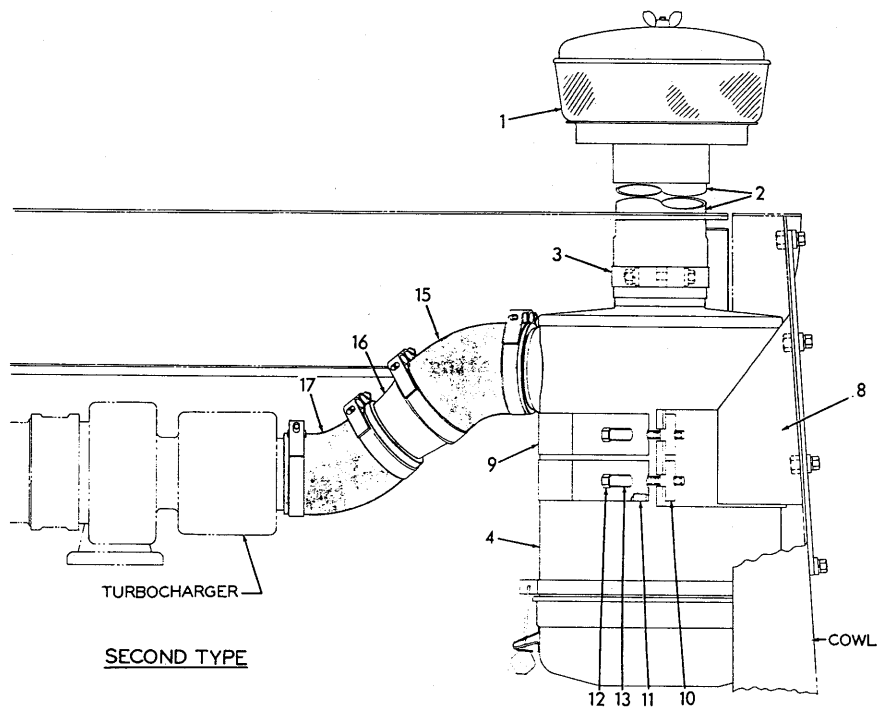
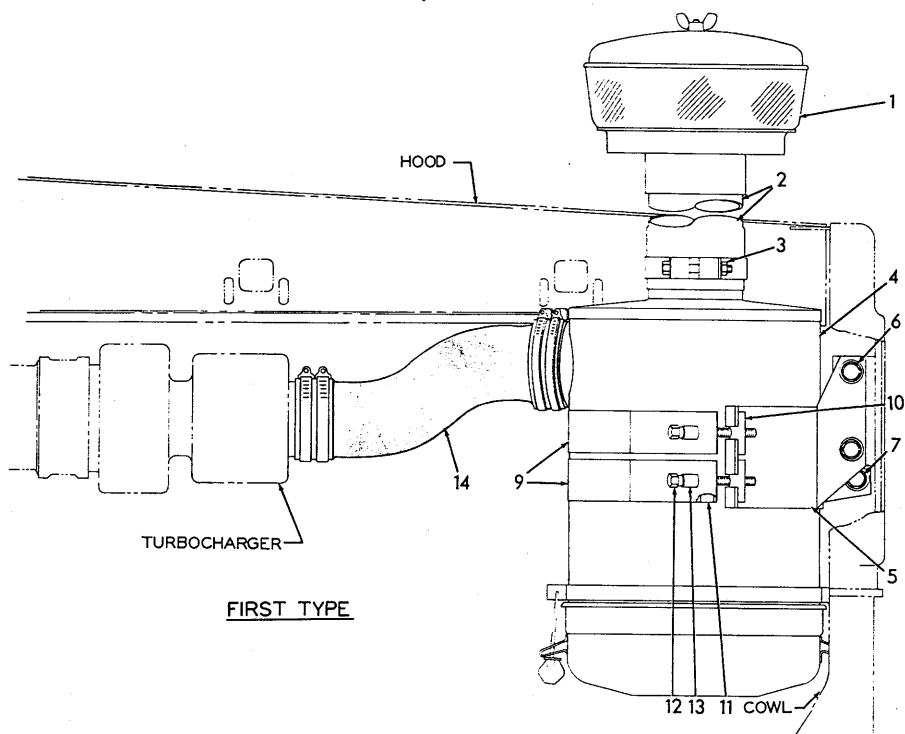
EXCEPTIONS: 14729, 14730, 14731, 14743, 14745, 14747, 14751 and 14759

(Revised April 1971)



USAGE: See page 103

ITEM	PART NO.	QTY.	DESCRIPTION	
1	-----	1	BODY (Not serviced separately)	
2	70662477	1	ELEMENT ASSEMBLY, safety (inner)	} Each includes item 4
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

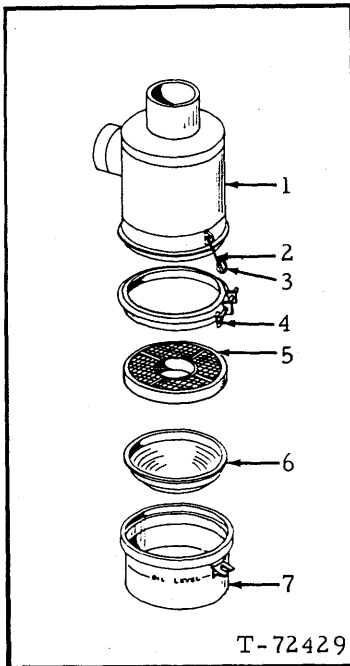
* Tractors prior to serial No. 13367
** Tractors serial No. 13367 and up

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

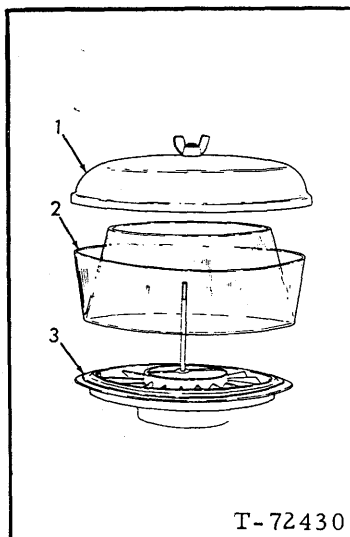
USAGE: See page 107



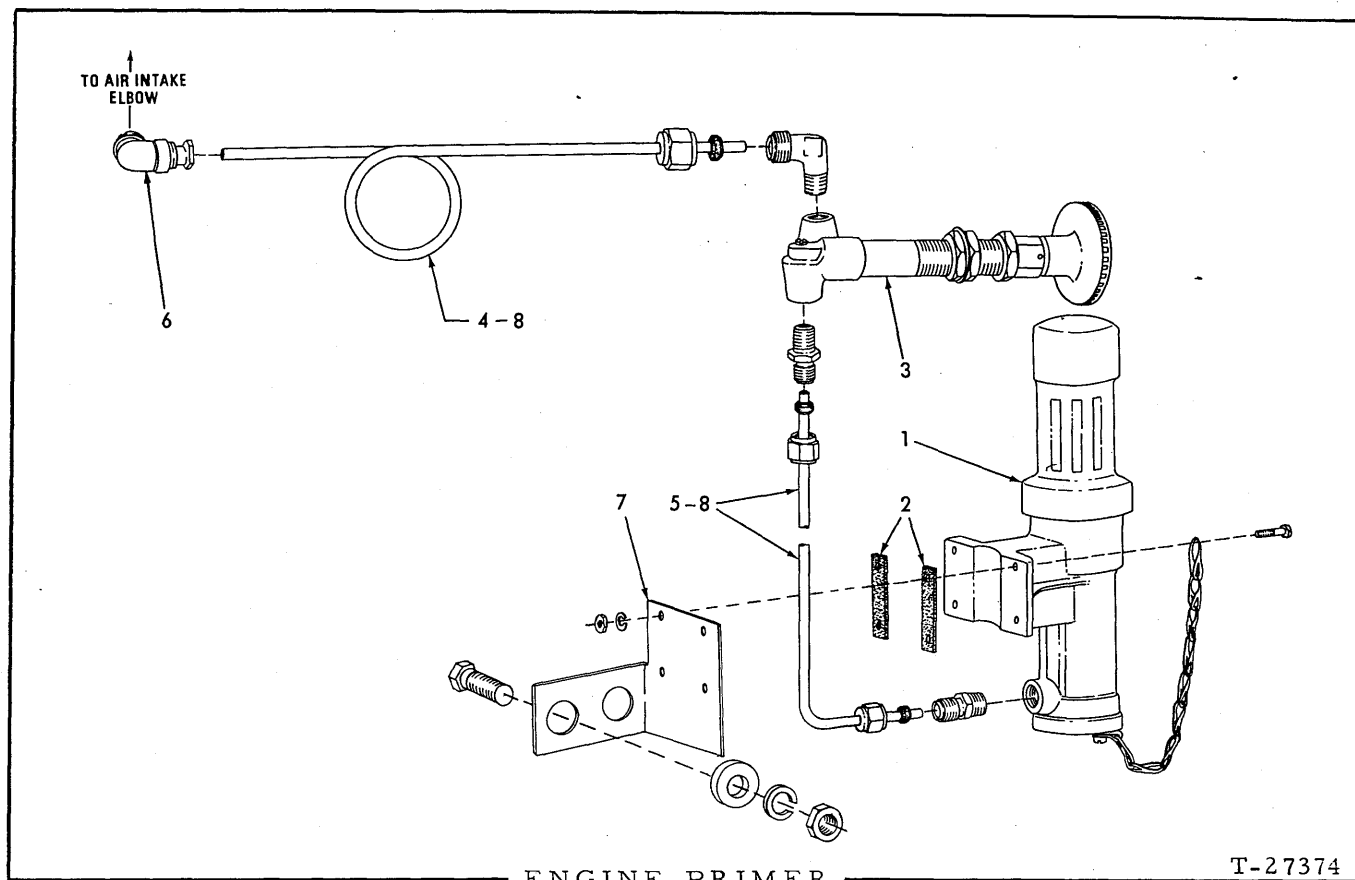
ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	BODY ASSY. (Not serviced separately)
2	74055454	2	BOLT ASSY. (Includes item 3)
3	74055455	2	NUT, wing
4	74055456	1	BAND ASSY. (Includes screw and nut)
5	74055451	1	ELEMENT, filtering
6	74055452	1	CUP, inner
7	74055453	1	CUP, outer

AIR PRE-CLEANER ASSEMBLY 7

USAGE: See page 107

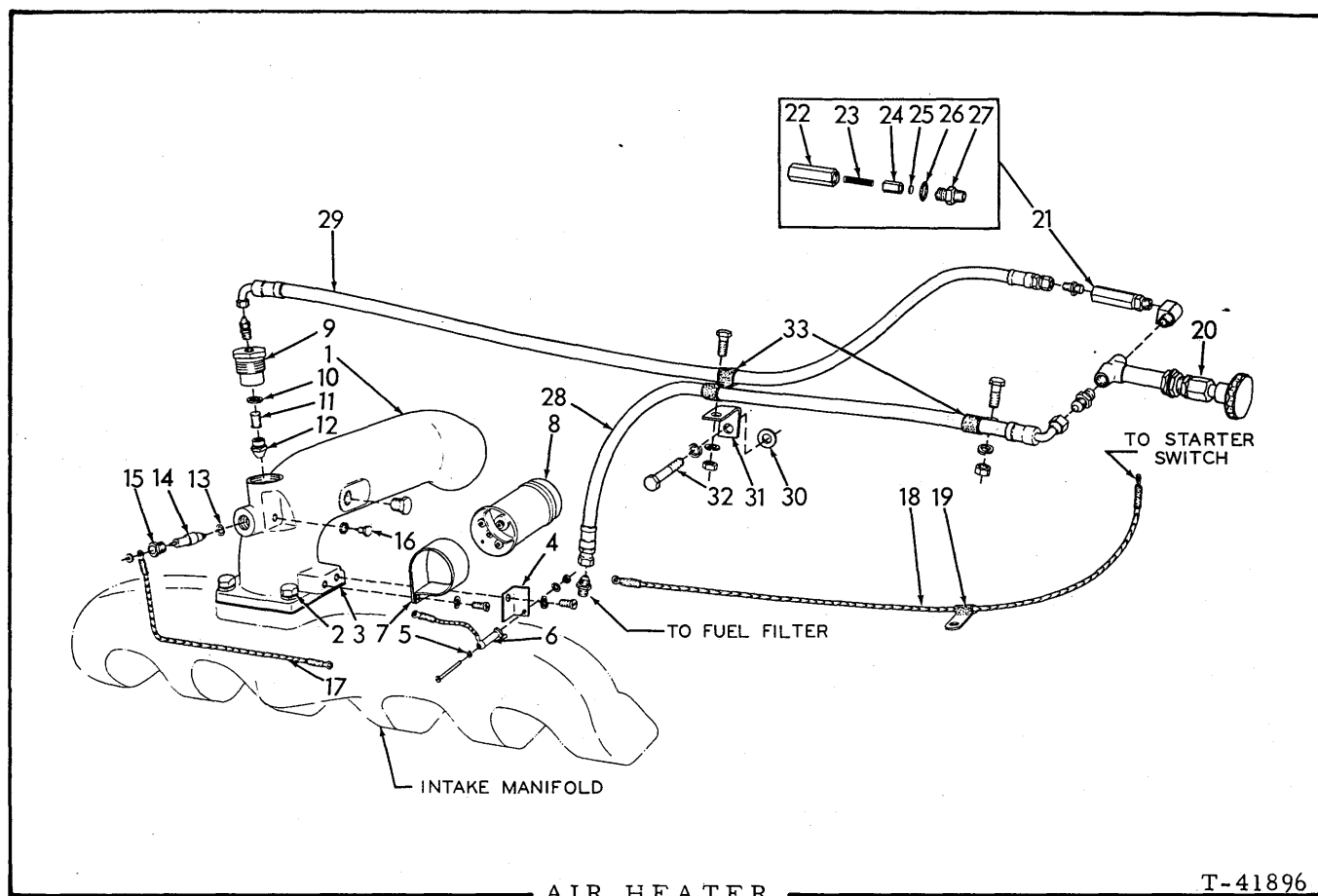


ITEM	PART NO.	QTY.	DESCRIPTION
1	70651268	1	COVER
2	70651270	1	BOWL, sediment (clear plastic)
3	70650386	1	SLEEVE ASSY. (Includes stud)



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)



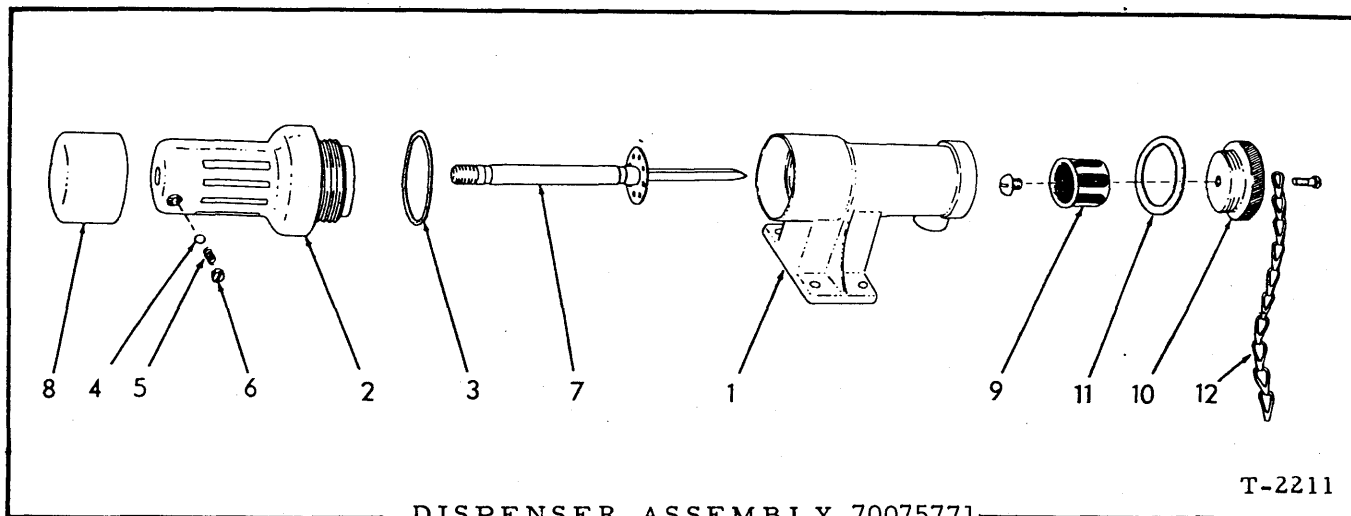
USAGE: Special equipment. Supplied on early units only.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70644476	1	ELBOW, air intake (Replaces standard ELBOW 74339585)
	70919840	1	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	1	RESISTOR
	70915922	1	SCREW, machine, #8-32 x 2-1/4"
	70915923	1	LOCKWASHER, external teeth, #8
	70907154	1	NUT, #8-32
7	70631199	1	BRACKET, ignition coil mounting
	70912226	2	SCREW, machine, fil-hd., 1/4"NC x 5/8"
	70904204	2	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	1	SCREW ASSEMBLY, electrode (1 screw and 1 electrode)
	70904204	1	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	1	PUMP ASSEMBLY (See page 113 for parts)
	70915399	1	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	1	HOSE, fuel filter to pump (See HOSE PARTS)
	70919171	2	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
29	70644213	1	HOSE, pump to nozzle (See HOSE PARTS)
	70919171	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	1	CAPSCREW, 3/8"NC x 2-3/4" (Replaces standard capscrew on engine breather)
	70904206	1	LOCKWASHER, 3/8"
33	70094527	3	CLIP, hose supporting
	70036032	1	CAPSCREW, 3/8"NF x 3/4"
	70035167	1	CAPSCREW, 3/8"NF x 7/8"
	70904206	2	LOCKWASHER, 3/8"
	70911041	2	NUT, 3/8"NF

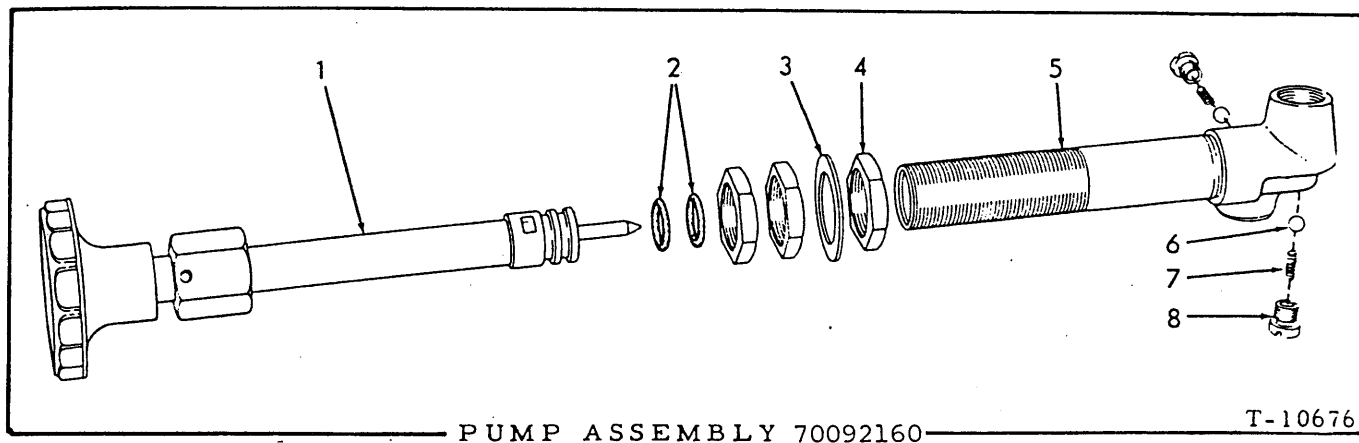


DISPENSER ASSEMBLY 70075771

USAGE: See page 109

ITEM PART NO. QTY. DESCRIPTION

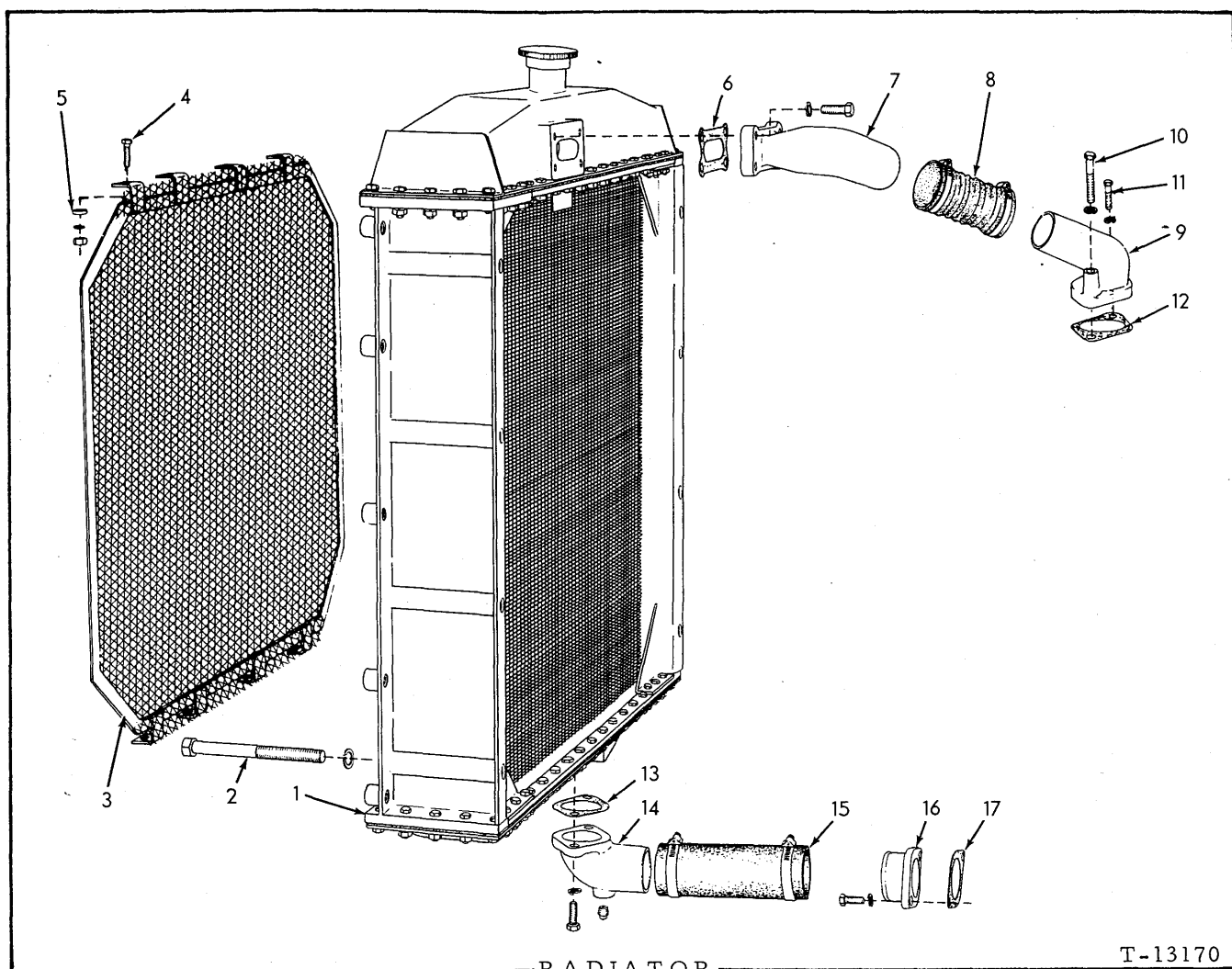
1	70068878	1	BODY, fuel dispenser
2	70068879	1	CHAMBER, fuel dispenser
3	70069164	1	GASKET, fuel dispenser chamber
4	70905357	1	BALL, steel, 3/16" diam.
5	70066251	1	SPRING, plunger locking ball
6	70066252	1	PLUG, retaining, locking ball spring
7	70066255	1	PLUNGER, fuel dispenser
8	70068881	1	KNOB,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



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

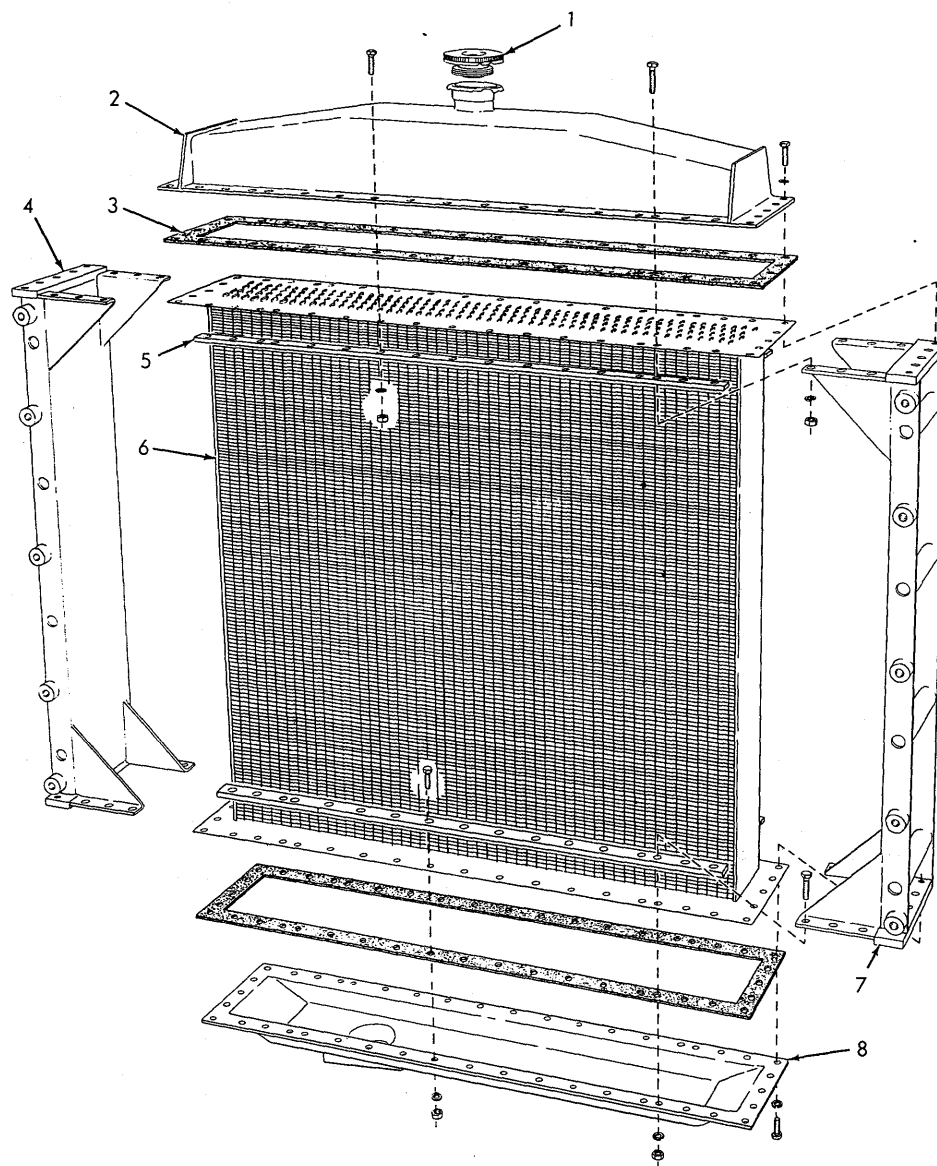
T-13170

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	8	CAPSCREW, 5/8"NF x 8-1/4"
	70904209	8	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	8	WASHER, plain
	70904205	8	LOCKWASHER, 5/16"
	70911025	8	NUT, 5/16"NC
6	70084888	1	GASKET, radiator inlet elbow
7	70084042	1	ELBOW radiator inlet
	70916197	4	CAPSCREW, 7/16"NC x 1-1/4"
	70904207	4	LOCKWASHER, 7/16"

(Continued)

RADIATOR (Continued)

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



RADIATOR PARTS

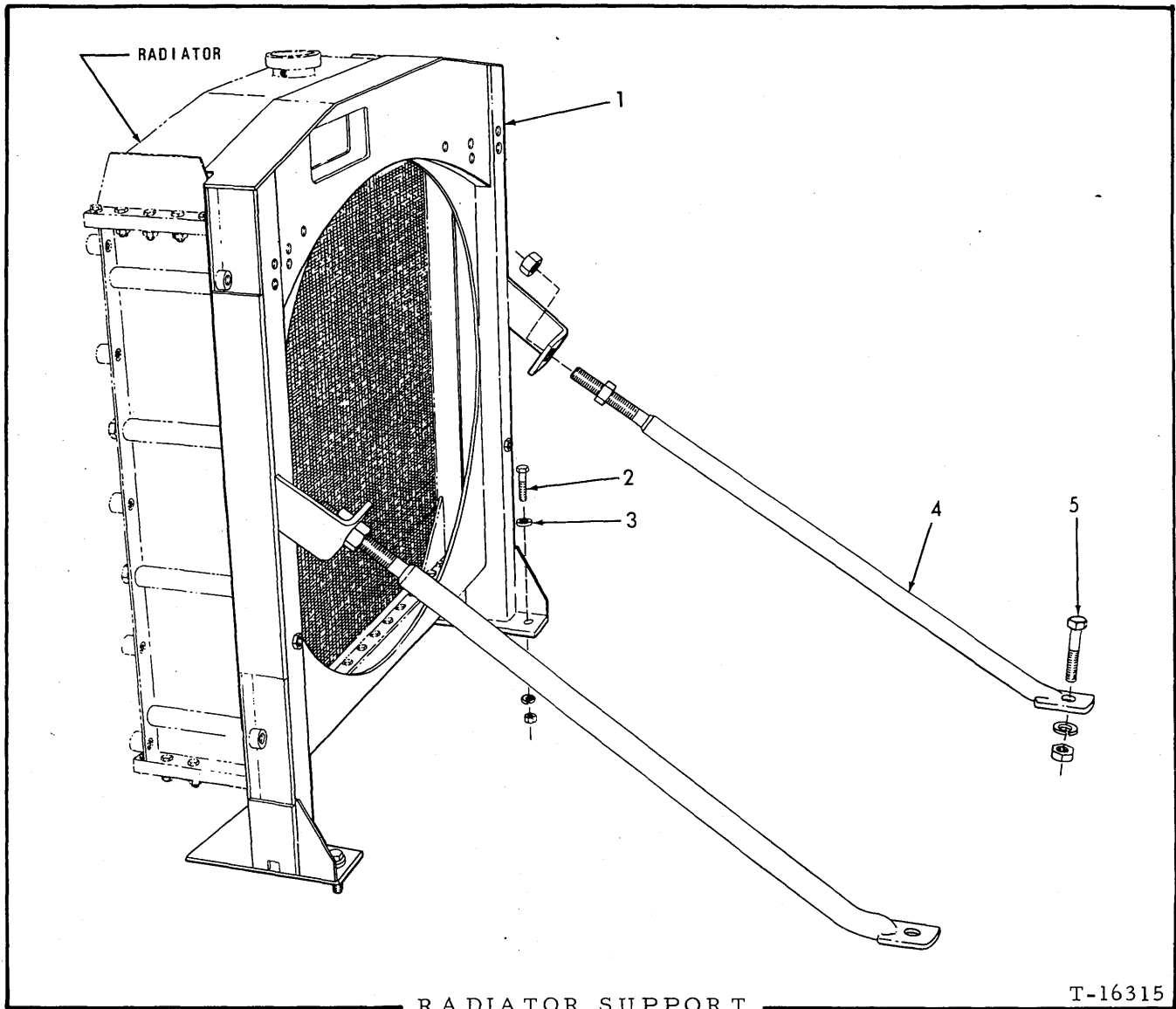
T-13169

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)

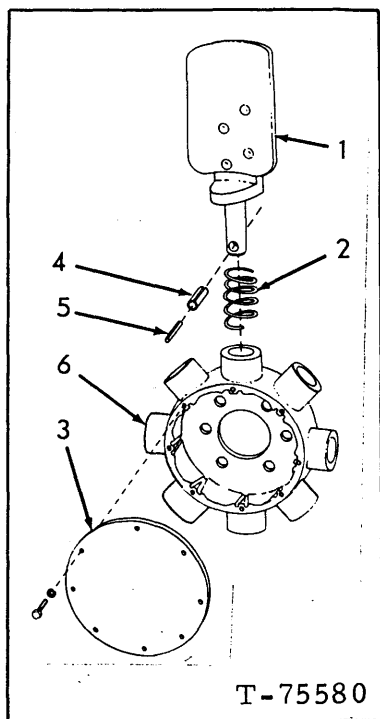
ITEM	PART NO.	QTY.	DESCRIPTION
6	70645952	1	CORE (Staggered tubes. Copper-finned)(Used on Tractors prior to #14010)
	70668818	1	CORE (Canted tubes. Steel-finned)(Standard on Tractors #14010 and up)
	70645953	1	CORE (In-line core tubes)
	70645954	1	CORE (Armored)
	70665195	1	CORE (Heavy in-line type for severe-service applications)
7	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



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

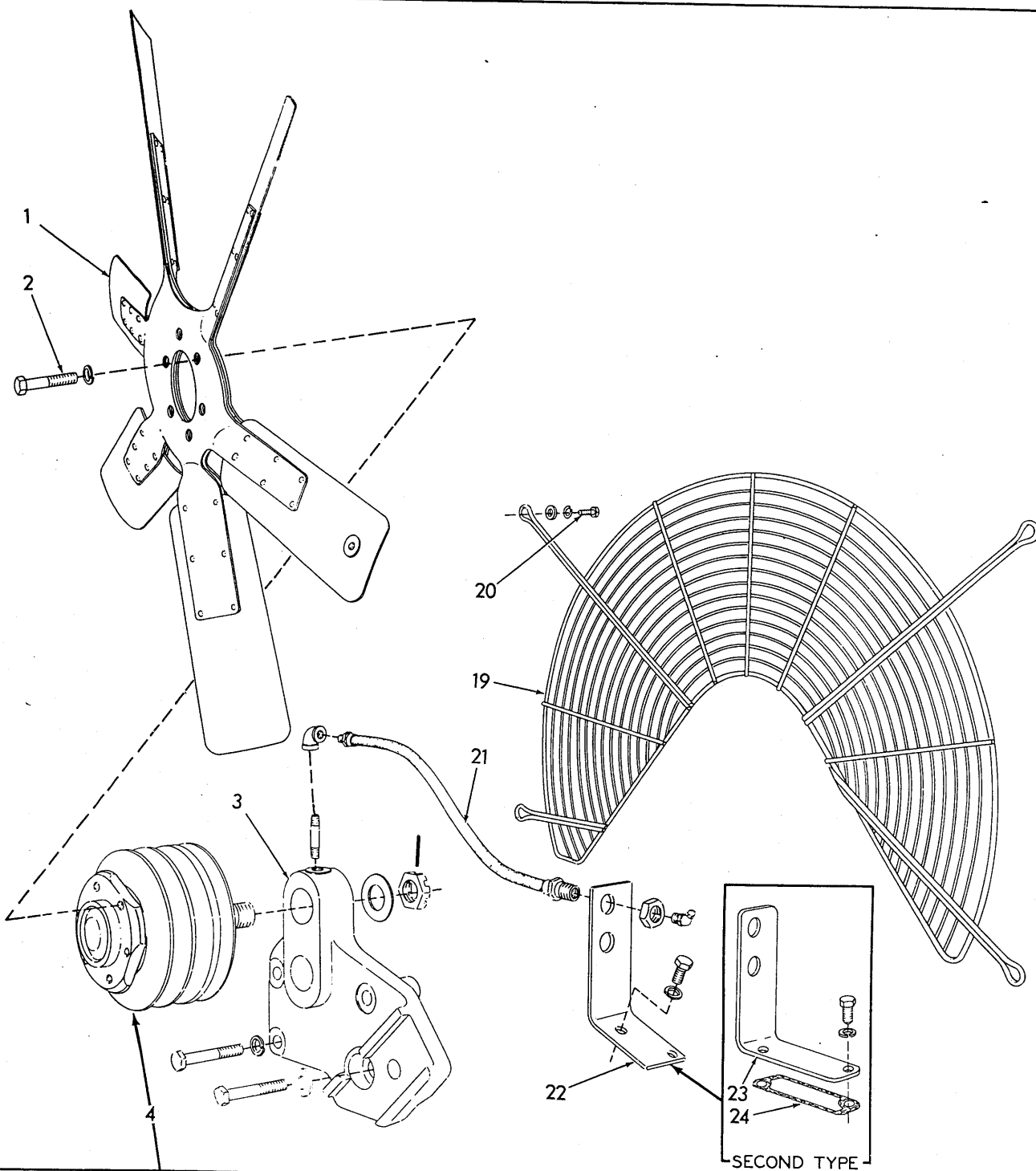
REVERSIBLE FAN PARTS ("Huber")

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.



FAN

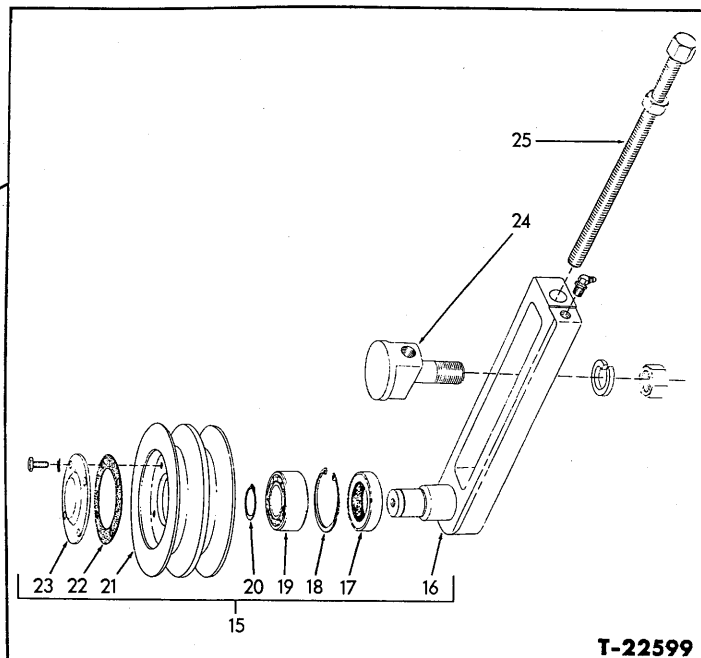
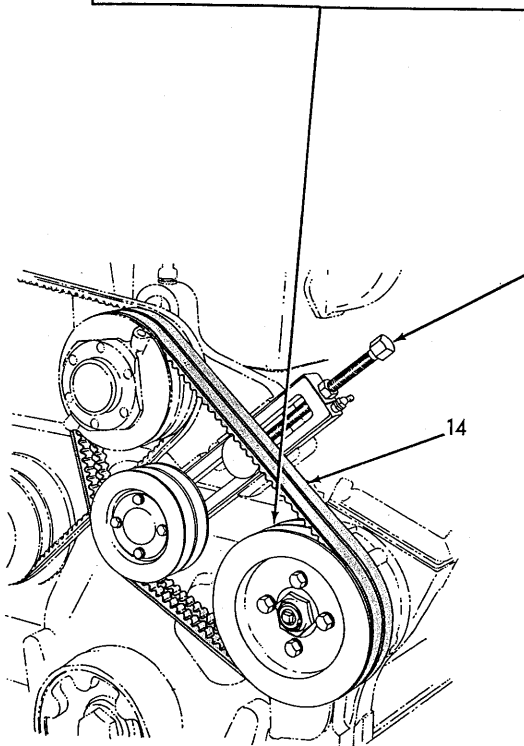
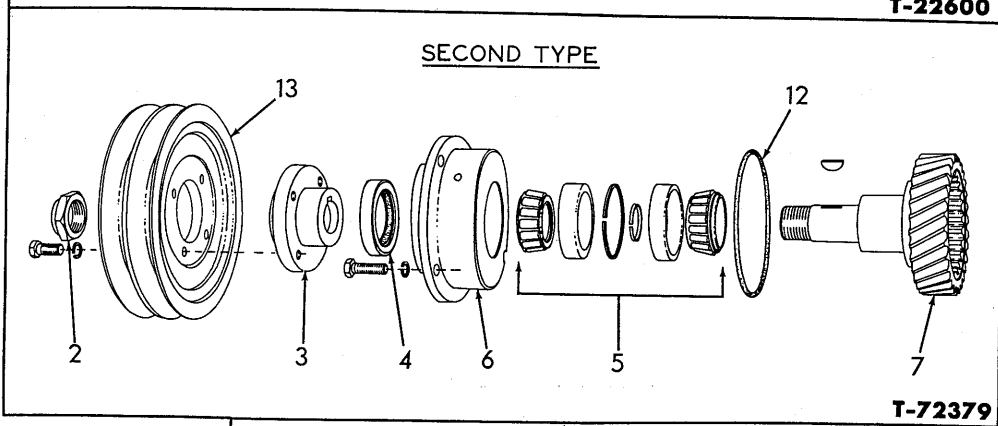
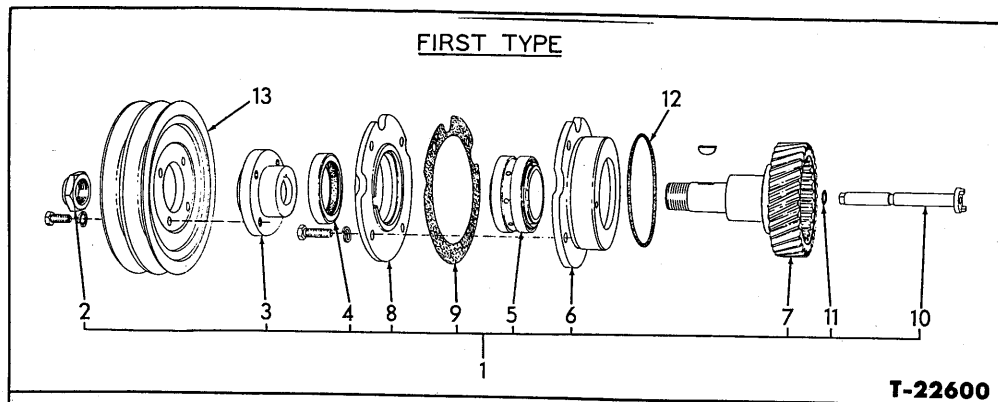
T-41843

FAN

ITEM PART NO. QTY. DESCRIPTION

NOTE: See FAN DRIVE for fan belt

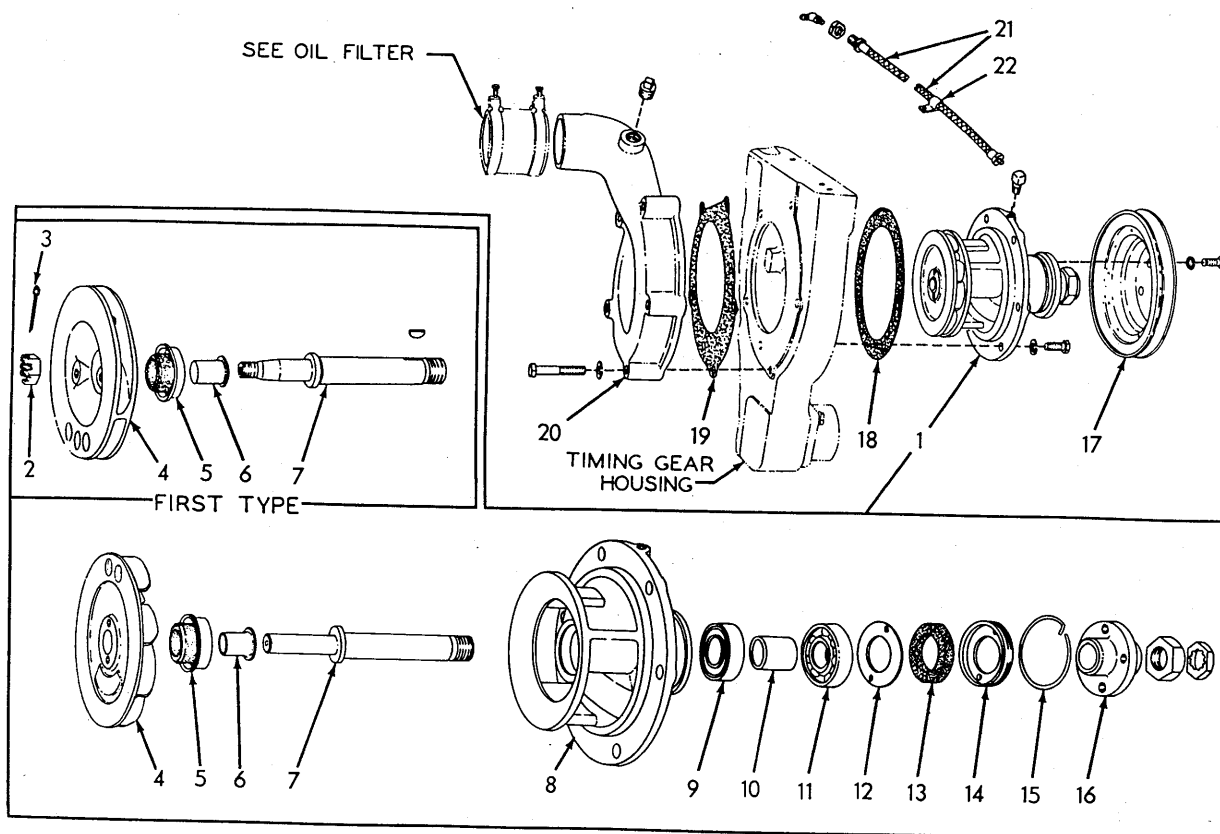
1	70648753	1	FAN, push type (Standard equipment)	
	70648754	1	FAN, suction type (Optional)	
	70666516	1	FAN ASSEMBLY, reversible (Optional) (See page 119 for parts)	
2	70035439	6	CAPSCREW, 3/8"NC x 1"	
	70904206	6	LOCKWASHER, 3/8"	
3	74359727	1	BRACKET, fan mounting	
	70915969	4	CAPSCREW, 1/2"NC x 3"	
	70904208	3	LOCKWASHER, 1/2"	
	70913432	1	WASHER, plain	
4	74337728	1	HUB ASSEMBLY (Consists of items 5 thru 18)	
	70911174	1	NUT, jam, slotted, 1"NF	
	70911159	1	WASHER, plain, SAE std., 1"	
	70915946	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	1	NUT, spindle	
	70911064	1	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	4	CAPSCREW, 3/8"NC x 1"	
	70044973	4	WASHER, plain	
	70904206	4	LOCKWASHER, 3/8"	
21	74336526	1	HOSE, lubricating (14-1/2" long)	
	70915405	1	NIPPLE, pipe, 1/8"NPT x 1-3/4"	
	70901676	1	ELBOW, pipe, 1/8"NPT	
	70915274	1	FITTING, lubricating, 45°, 1/8"NPT	
	70911049	1	NUT, jam, 5/8"NF	
22	74336523	1	BRACKET, lubricating hose (Tractors prior to #12201)	
	70915408	1	CAPSCREW, 3/8"NC x 3/4"	
	70904206	1	LOCKWASHER, 3/8"	
23	74339769	1	BRACKET, lubricating hose	} Tractors #12201 and up
	70916269	2	CAPSCREW, 3/8"NC x 7/8"	
	70904206	2	LOCKWASHER, 3/8"	
24	74354304	1	□GASKET, lubricating hose bracket	



* 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 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
	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 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
11	-----	1 -	O-RING, pump timing shaft
12	70923589	1 -	O-RING, drive mounting
	70923820	- 1	O-RING, drive mounting
13	74359936	1 1	PULLEY, fan drive
	70916225	4 4	CAPSCREW, 3/8"NF x 1"
	70904206	4 4	LOCKWASHER, 3/8"
14	74337757	2 2	BELT, fan drive (Supplied in matched sets)
15	74349660	1 1	IDLER ASSEMBLY, belt tightening (Consists of items 16 thru 23)
16	74336587	1 1	SLIDE, fan idler
	70915275	1 1	FITTING, lubricating, 65°, 1/8"NPT
17	74254670	1 1	SEAL, oil
18	74254100	1 1	RING, snap, rear
19	74255031	1 1	BEARING, ball
20	74253555	1 1	RING, snap, front
21	74349662	1 1	PULLEY
22	74347752	1 1	GASKET, pulley cover
23	74347751	1 1	COVER, pulley
	70915343	4 4	CAPSCREW, 1/4"NC x 5/8"
	70904204	4 4	LOCKWASHER, 1/4"
24	74349666	1 1	BOLT, clamping, fan idler slide
	70904369	1 1	LOCKWASHER, 3/4"
	70910175	1 1	NUT, 3/4"NF
25	74349667	1 1	CAPSCREW, fan belt adjustment
	70910325	1 1	NUT, 1/2"NC



WATER PUMP

T-27396

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

} Ceramic seal is bonded to impeller

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

NOTE: See GENERATOR for listing of driving belt

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)

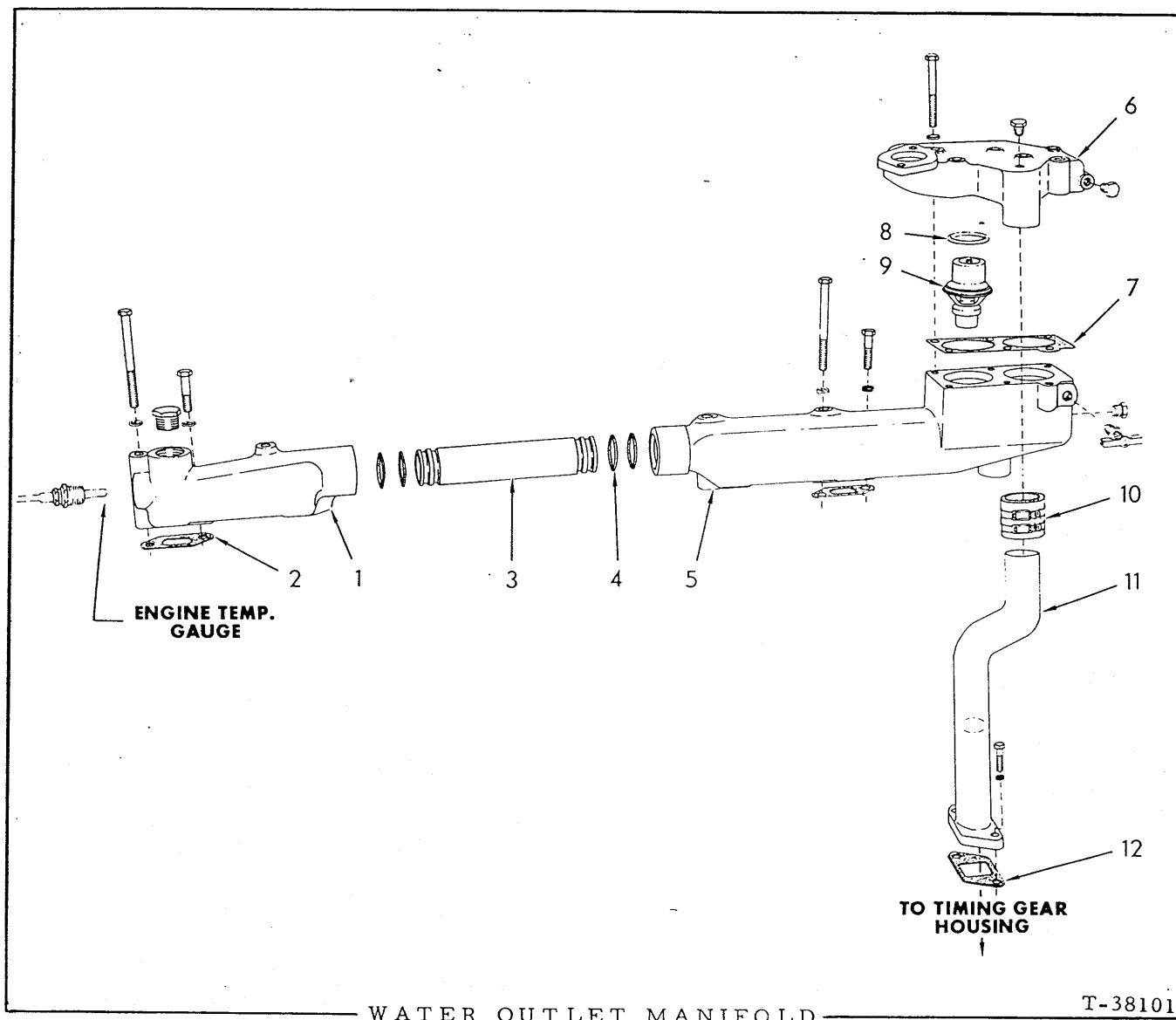
(Revised May 1979)

WATER PUMP (Continued)

ITEM	PART NO.	QUANTITY			DESCRIPTION
		*	**	***	
5	74507091	1	1	-	SEAL ASSY. (Serviced only as a unit)
	74062272	-	-	1	□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, sanp 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	□GASKET, water pump
19	74335056	1	1	1	□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)

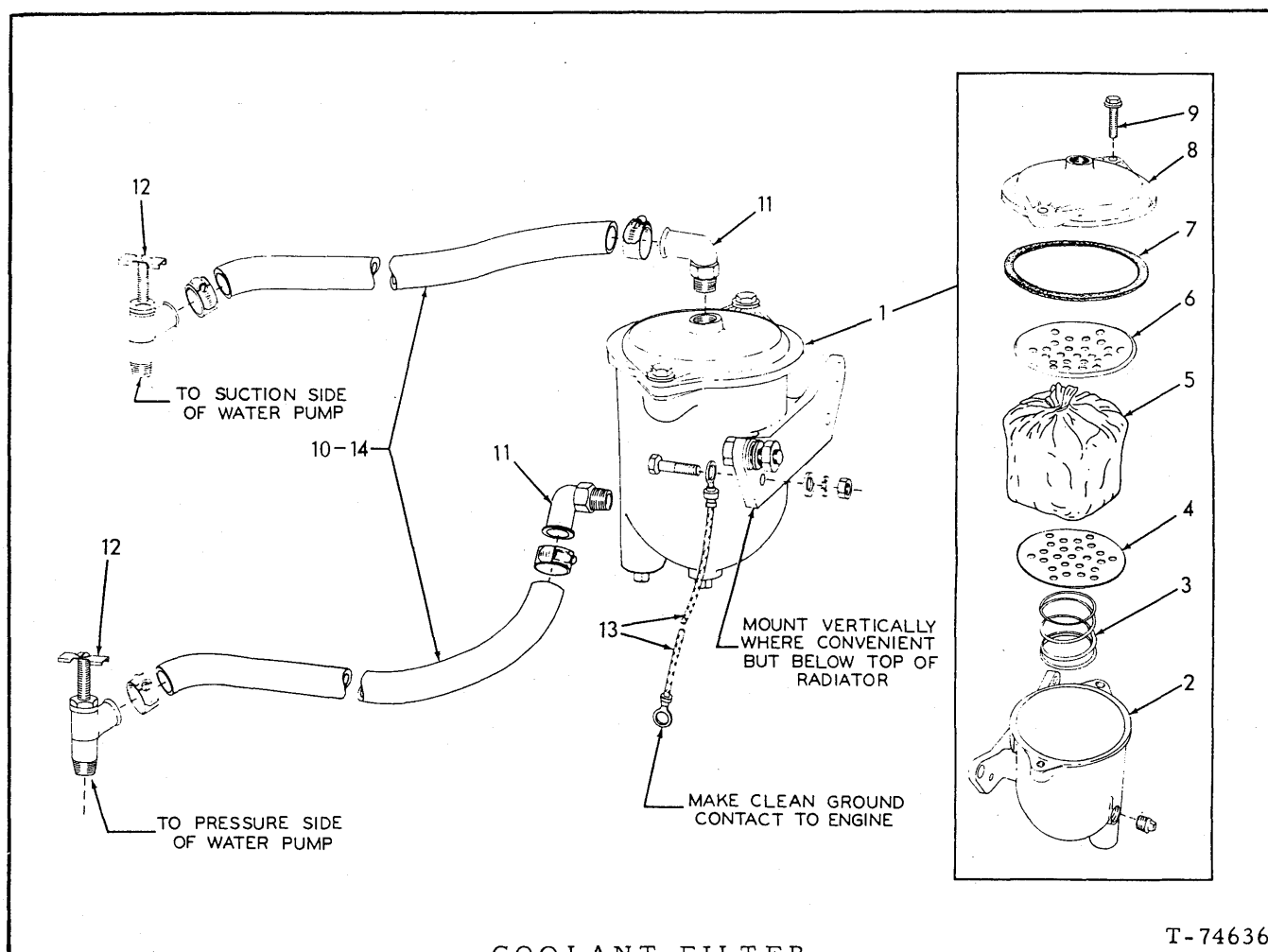


ITEM	PART NO.	QTY.	DESCRIPTION
1	74336506	1	MANIFOLD, water outlet, rear
	70920525	1	PLUG, pipe, hex-hd., 3/4"NPT
	70914847	2	CAPSCREW, 3/8"NC x 1-1/2"
	70916275	2	CAPSCREW, 3/8"NC x 3-3/4"
	70904206	4	LOCKWASHER, 3/8"
2	74336182	4	□ GASKET, water manifold
3	74336156	1	TUBE, water manifold connecting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

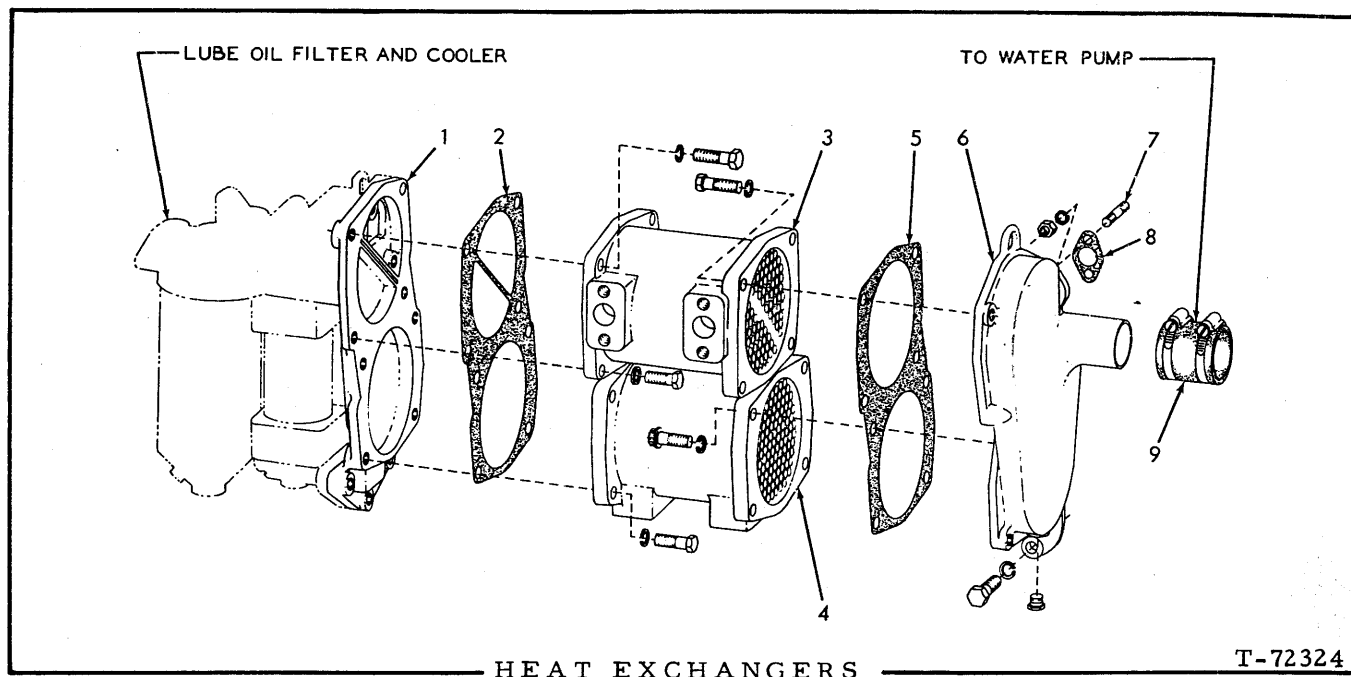
USAGE: Special equipment

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)

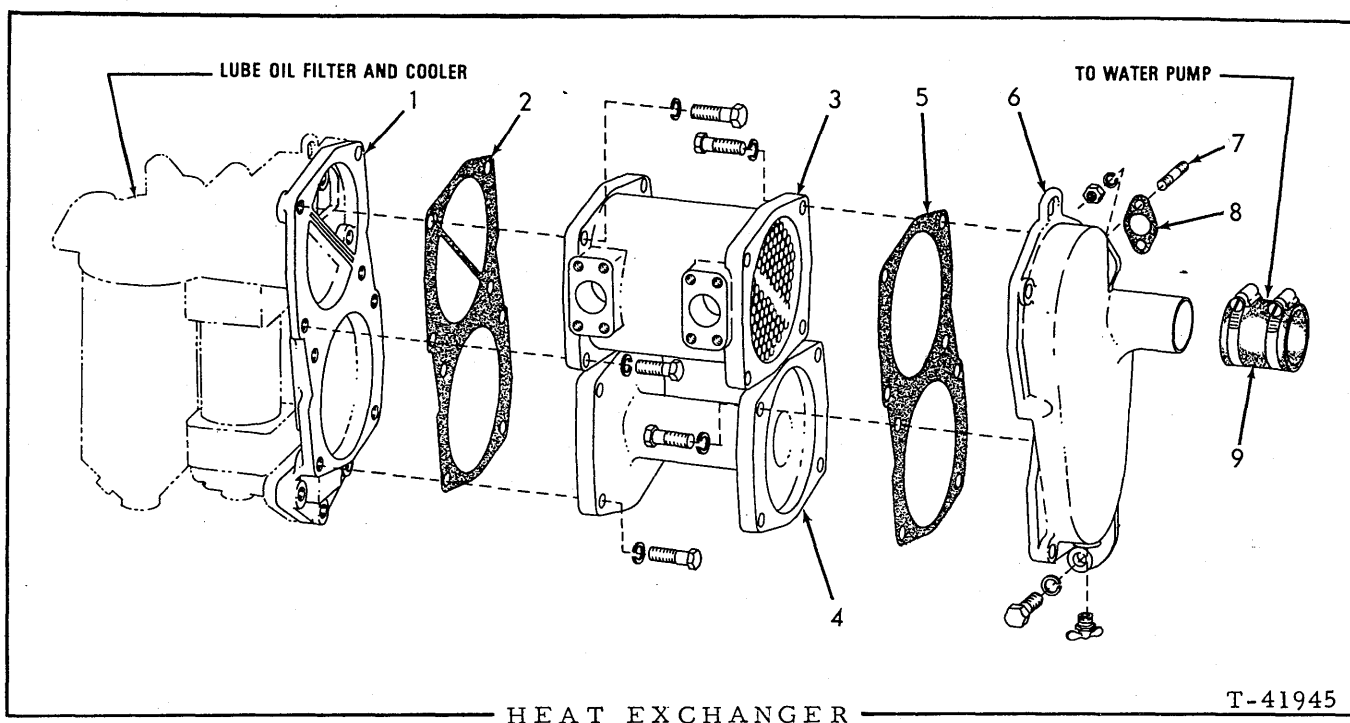
COOLANT FILTER (Continued)

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)



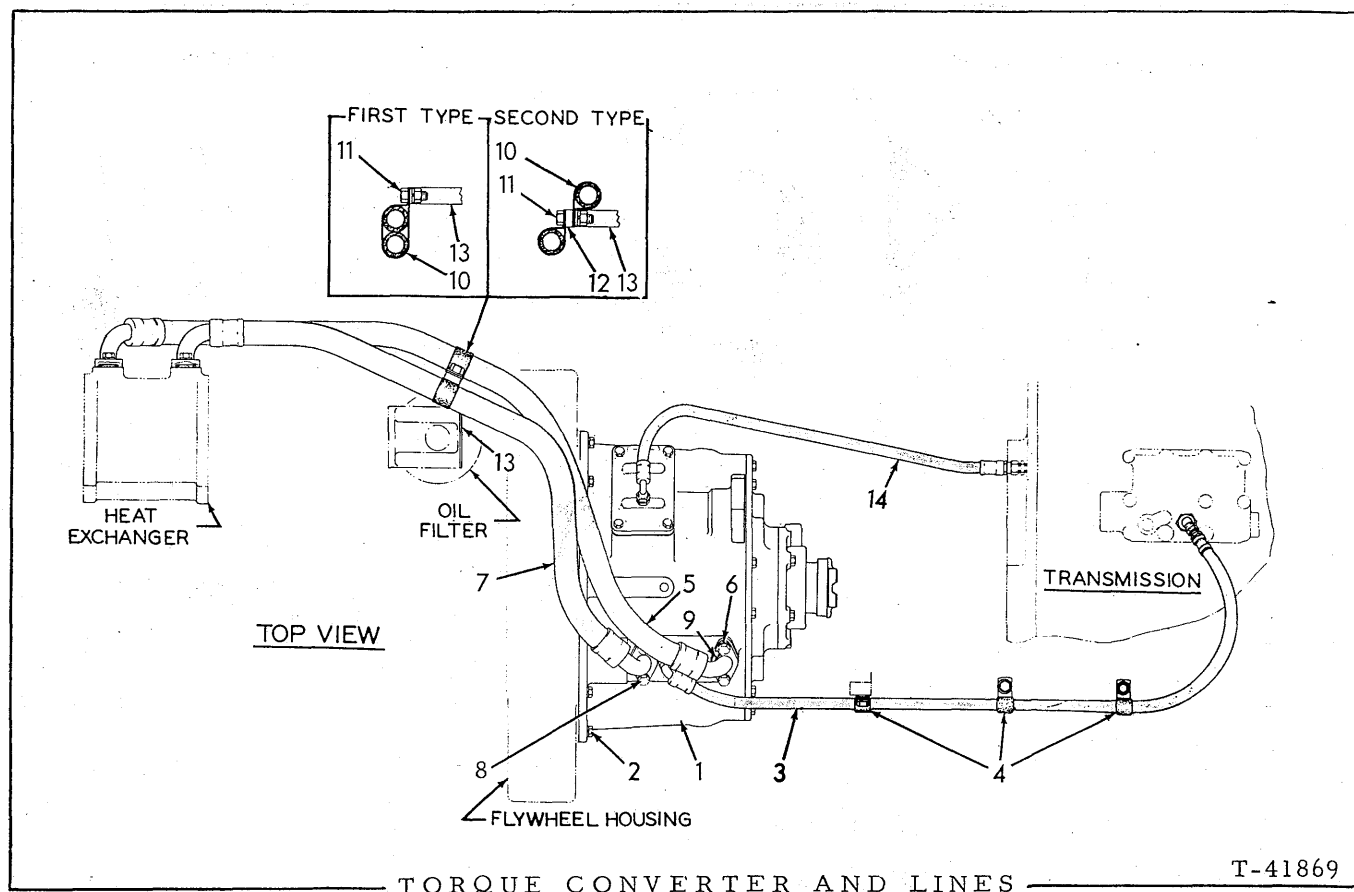
USAGE: Tractors prior to serial No. 13367

ITEM	PART NO.	QTY.	DESCRIPTION
1	74339116	1	COVER, rear
2	74339697	1	GASKET, rear cover
3	74339120	1	EXCHANGER, heat, torque converter oil
	70916313	4	CAPSCREW, 1/2"NC x 1-3/4"
	70904208	4	LOCKWASHER, 1/2"
	70916255	1	CAPSCREW, 7/16"NC x 1-3/4"
	70904207	1	LOCKWASHER, 7/16"
	70922066	2	SCREW, 12-point, 1/2"NC x 1-3/4"
4	74339119	1	EXCHANGER, heat, transmission oil
	70916313	6	CAPSCREW, 1/2"NC x 1-3/4"
	70904208	6	LOCKWASHER, 1/2"
	70922066	2	SCREW, 12-point, 1/2"NC x 1-3/4"
5	74339698	1	GASKET, front cover
6	74339125	1	COVER, front
	70919840	1	PLUG, pipe, hex-hd., 1/4"NPT
	70921556	1	CAPSCREW, 1/2"NC x 2"
	70904208	1	LOCKWASHER, 1/2"
7	74514091	2	STUD, attaching, front cover
	74115287	2	NUT, 3/8"NF
	70904206	2	LOCKWASHER, 3/8"
8	74348185	1	□GASKET, front cover to block
9	74506737	1	HOSE, water pump to cooler
	74253922	2	CLAMP, hose



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



T-41869

USAGE: Tractors prior to serial No. 13367

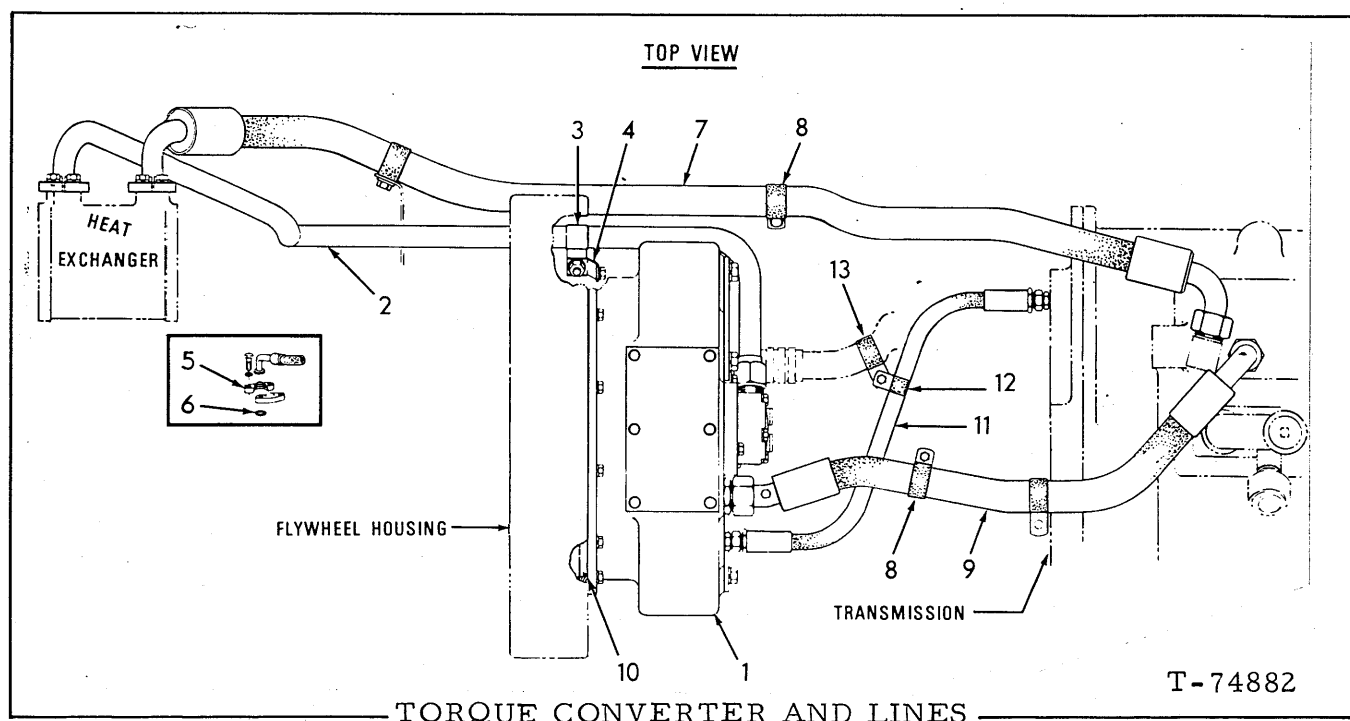
ITEM PART NO. QTY. DESCRIPTION

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



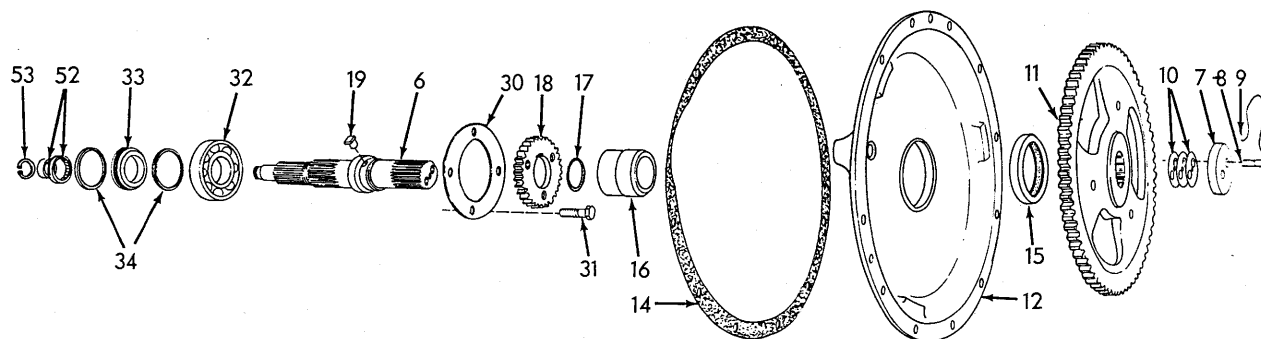
USAGE: Tractors serial No. 13367 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	70664700	1	CONVERTER ASSY. (See page 139 for parts)
	70919224	10	CAPSCREW, 3/8"NC x 1-1/8"
	70916272	2	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	12	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	1	CLIP, tube supporting
	70916310	1	CAPSCREW, 1/2"NC x 1"
	70904208	1	LOCKWASHER, 1/2"
	70911028	1	NUT, 1/2"NC
4	70664531	1	ANGLE, tube supporting
5	70921117	4	FLANGE, heat exchanger lines
	70916197	8	CAPSCREW, 7/16"NC x 1-1/4"
	70904207	8	LOCKWASHER, 7/16"
6	70923664	2	O-RING, heat exchanger lines
7	70664441	1	HOSE, heat exchanger to transmission (See HOSE PARTS)
8	70644010	4	CLIP, hose supporting
	70916419	1	CAPSCREW, 1/2"NF x 3/4"
	70916309	1	CAPSCREW, 1/2"NC x 3/4"
	70910244	1	WASHER
	70904208	2	LOCKWASHER, 1/2"

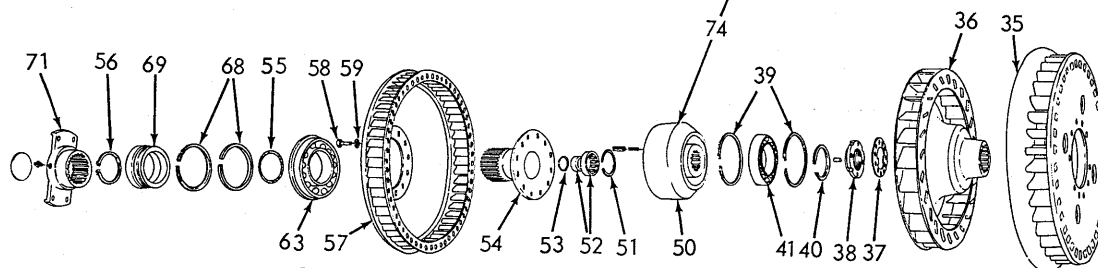
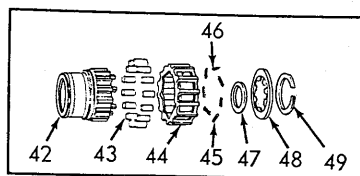
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TORQUE CONVERTER AND LINES (Continued)

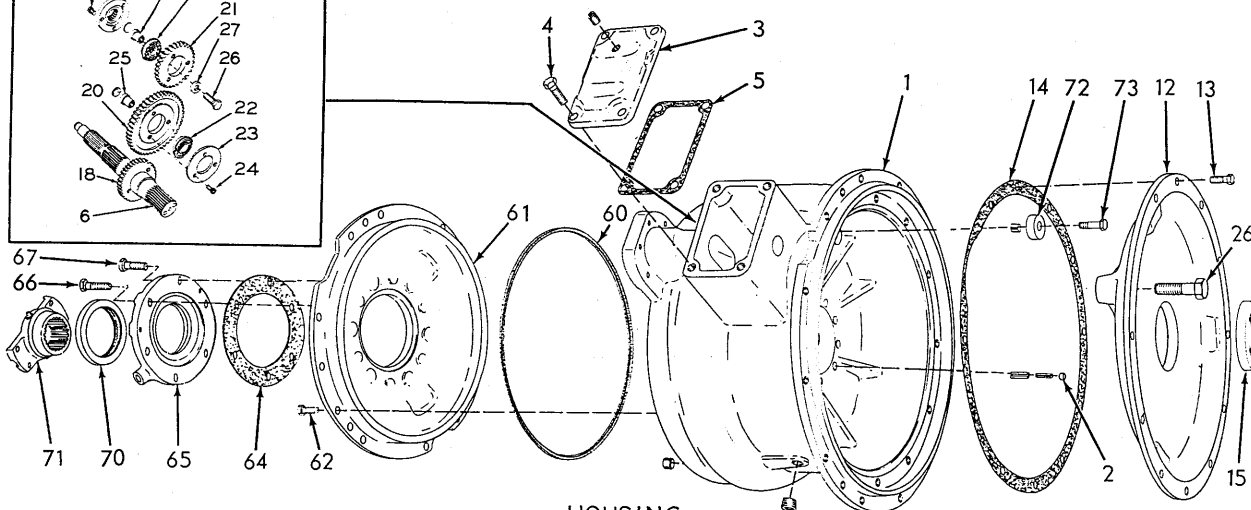
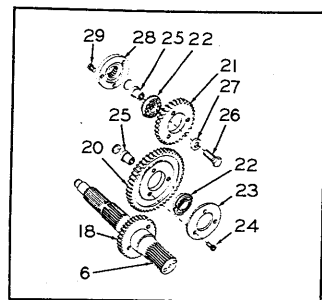
ITEM	PART NO.	QTY.	DESCRIPTION
9	70664500	1	HOSE, transmission to converter (Includes Cap indented below)
	70921467	1	CAP, flare fitting, 1/4" tube
	70922988	1	CONNECTOR, flare type, 1-1/4" tube, 1-5/16" male thd. (Includes O-Ring 70921214)(rear end)
	70923343	1	CONNECTOR, flare type, 1-1/4" tube, 1-5/8" 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.)



INPUT SHAFT



TURBINE AND IMPELLER WHEEL



HOUSING

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)
			} Use as required
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
			} upper gear
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)

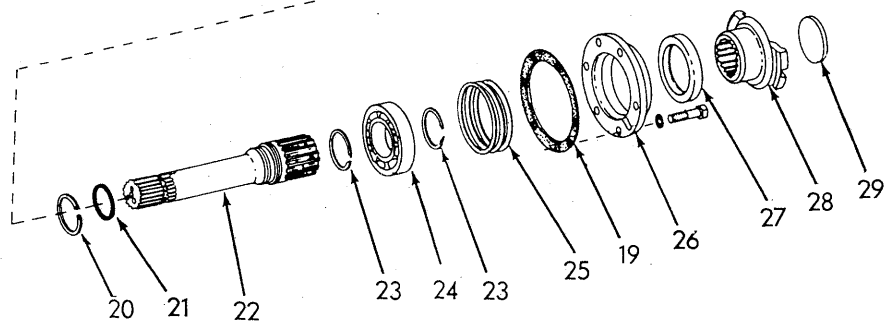
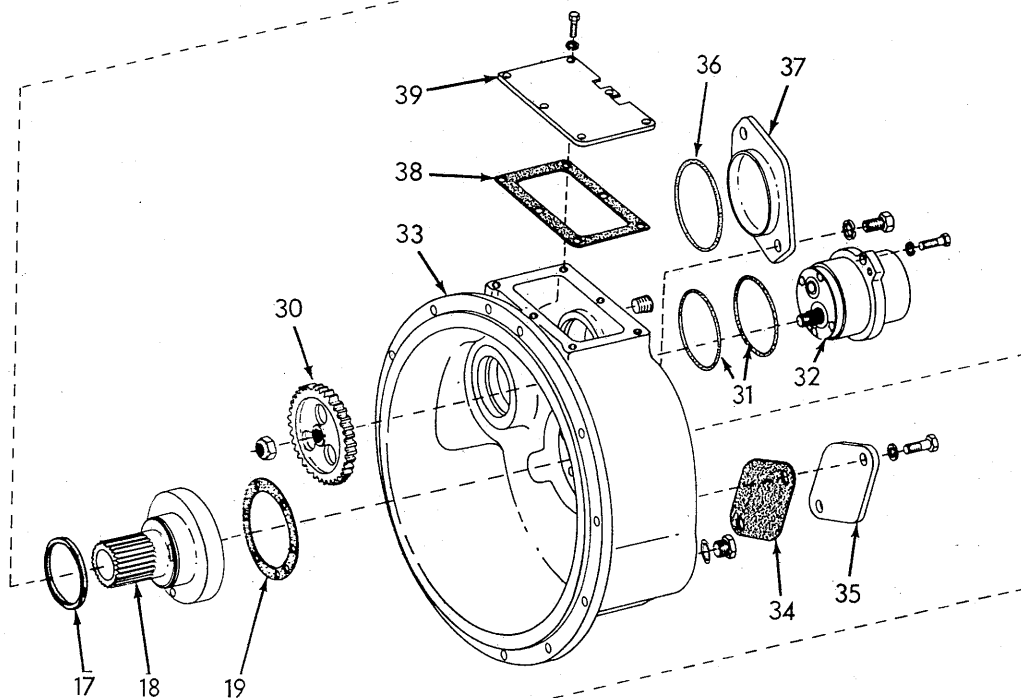
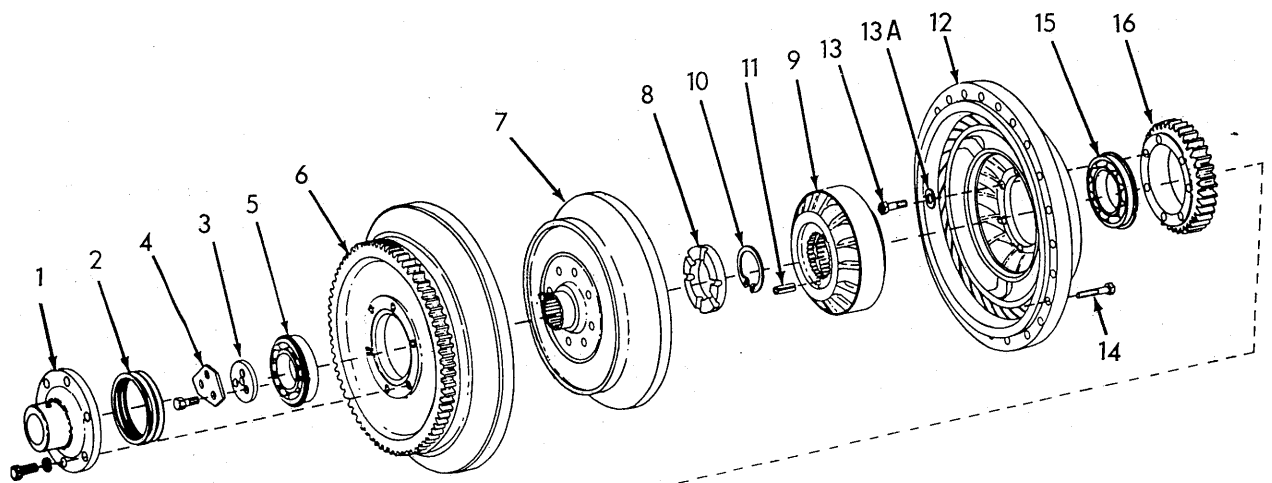
ITEM	PART NO.	QTY.	DESCRIPTION
30	70628486	1	RETAINER, input shaft front bearing
31	70058793	4	CAPSCREW, 3/8"NC x 2-1/4"
32	70624652	1	BEARING, ball, input shaft, front
33	70628344	1	CARRIER, front sealing rings
34	70628345	2	RING, sealing
35	70628348	1	WHEEL ASSEMBLY, guide (stationary) (Serviced only 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	YOKE 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)



TORQUE CONVERTER ASSEMBLY 70664700

T-74934

TORQUE CONVERTER ASSEMBLY 70664700

USAGE: See page 132

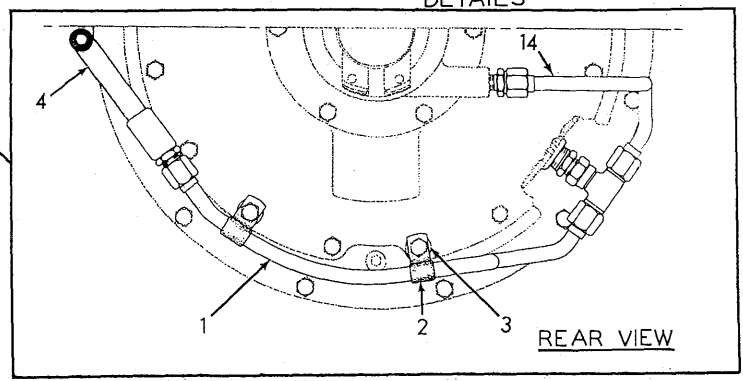
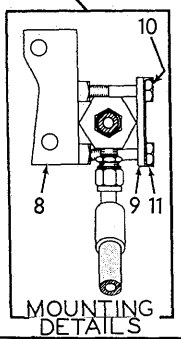
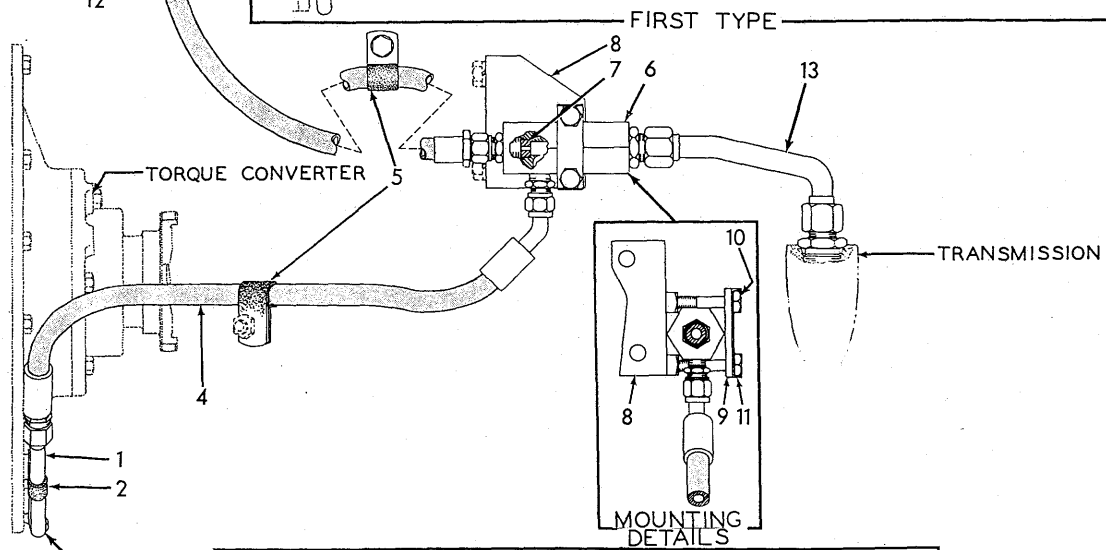
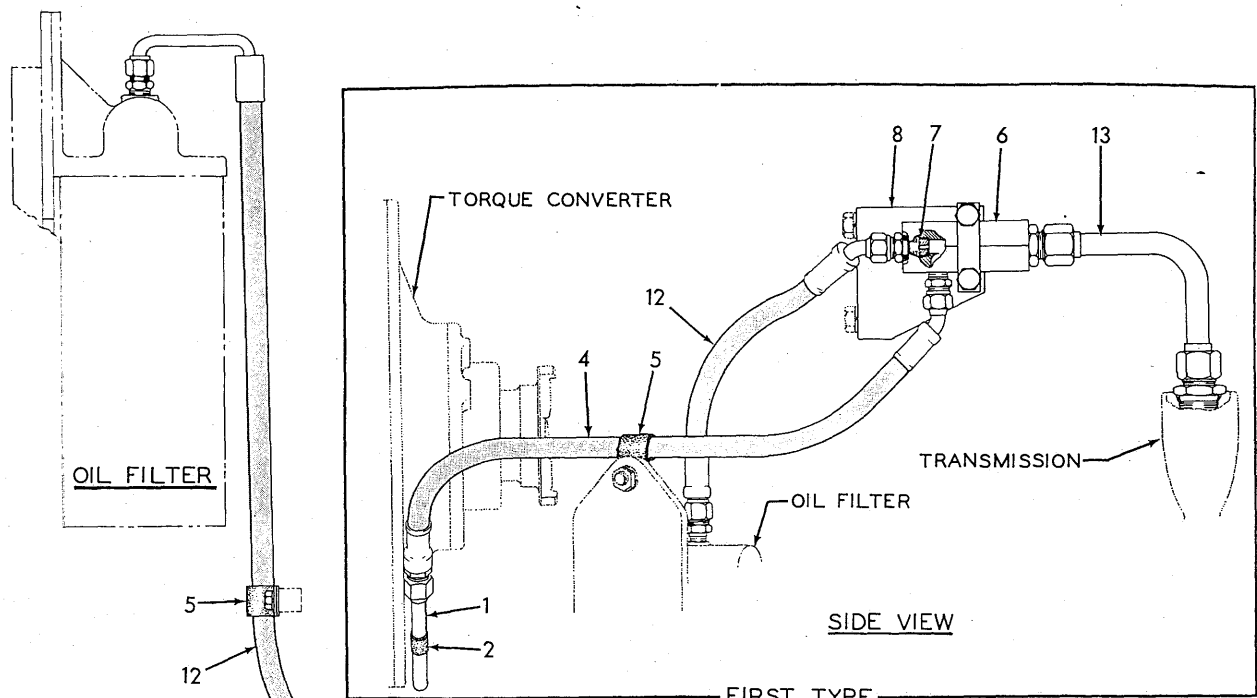
ITEM	PART NO.	QTY.	DESCRIPTION	
1	70666431	1	HUB, input, front	
	70916271	6	CAPSCREW, 3/8"NC x 1"	
	70904206	6	LOCKWASHER, 3/8"	
2	70665513	-	SHIM, adjusting (.005" thick)	Use as required
	70665514	-	SHIM, adjusting (.010" thick)	
	70665515	-	SHIM, adjusting (.020" thick)	
3	70664705	1	WASHER, end	
	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"	Converters #974 and up
13A	70678293	7	WASHER, plain	
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)	Use as required
	70664723	-	SHIM, adjusting (.010" thick)	
	70664724	-	SHIM, adjusting (.020" thick)	

(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"

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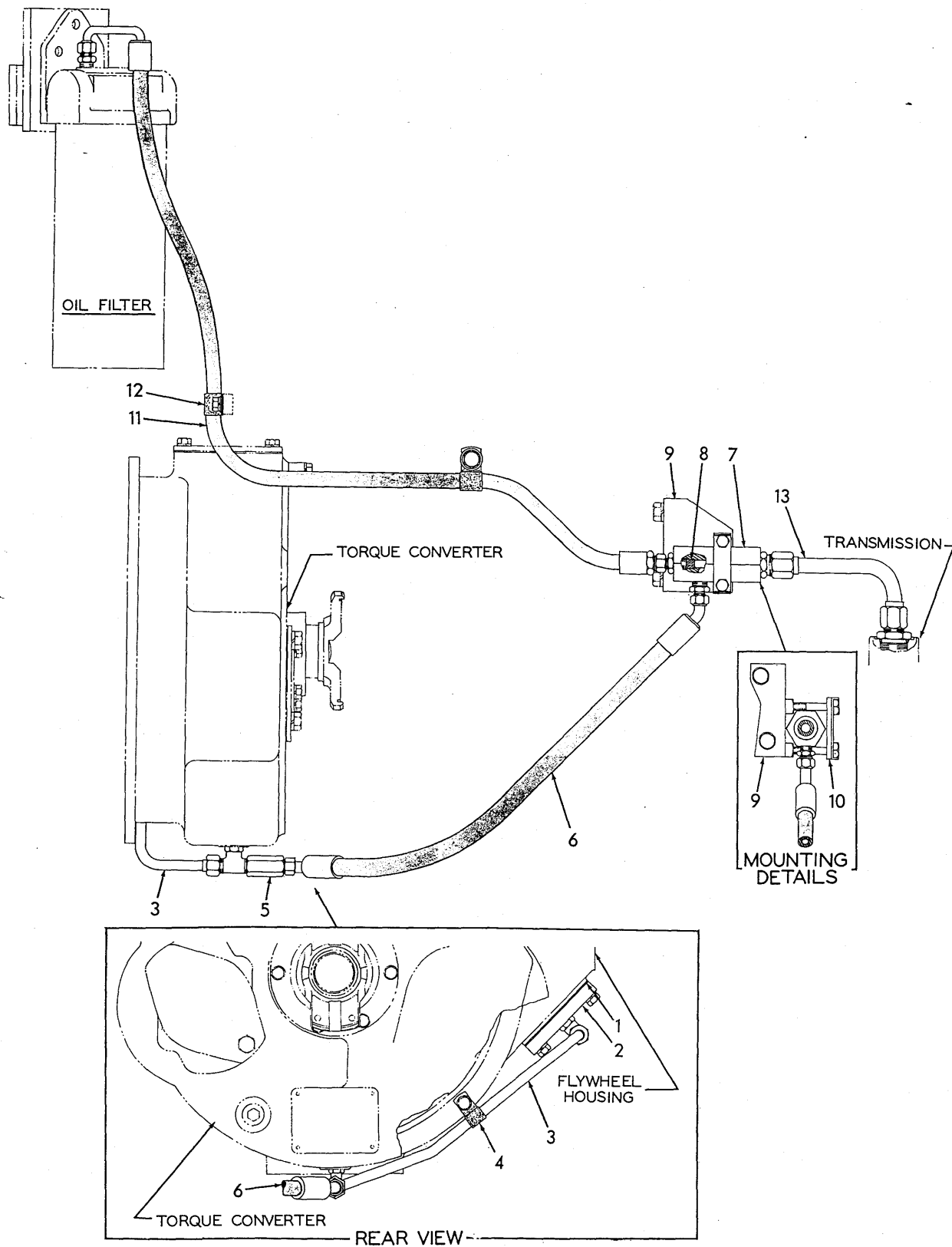


TORQUE CONVERTER SEAL DRAIN

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
				See HOSE PARTS
	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
				See HOSE PARTS
	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



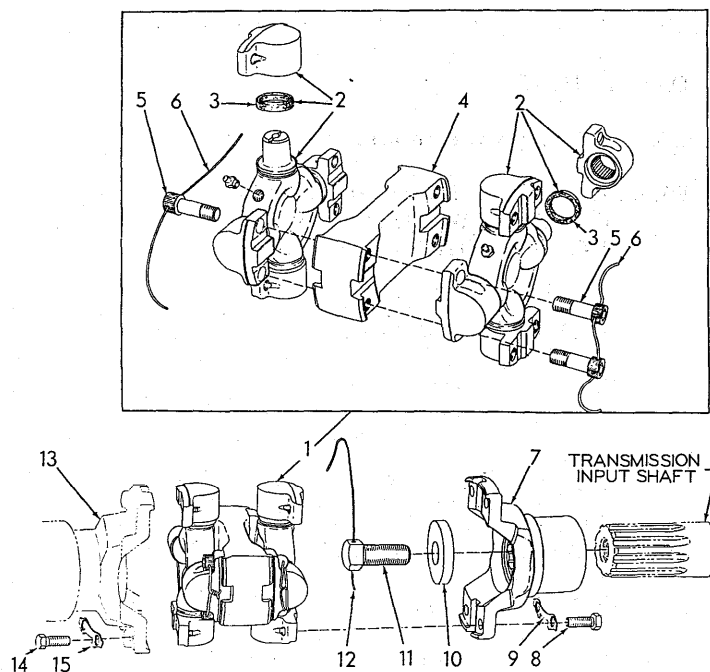
TORQUE CONVERTER AND FLYWHEEL HOUSING DRAIN T-74883

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	1	PLATE, cover, flywheel housing
	70919225	2	CAPSCREW, 3/8"NC x 1-3/8"
	70904206	2	LOCKWASHER, 3/8"
3	70664455	1	TUBE ASSEMBLY, flywheel housing drain (Includes nuts)
	70921402	1	ELBOW, adjustable, 90°, flare type, 1/2" tube, 3/4"NF male (Includes washer, nut and O-RING 70921349)
	70923157	1	TEE, adjustable, flare type, 1/2" tube, 3/4"NF male side (Includes washer, nut and O-RING 70921349)
4	70094527	1	CLIP, tube supporting
	-----	1	CAPSCREW, 3/8"NC x 1-1/4" } See TORQUE CONVERTER
	-----	1	LOCKWASHER, 3/8" } AND LINES
	70911115	1	WASHER, plain, SAE std., 3/8"
5	70666156	1	FITTING, extension
6	70664616	1	HOSE, torque converter to pump (See HOSE PARTS)
	70919063	1	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	1	PLATE, pump clamping
	70916274	2	CAPSCREW, 3/8"NC x 2-1/4"
	70644054	1	LOCK, capscrow
11	70651048	1	HOSE, filter to pump (See HOSE PARTS)
	70919062	1	CONNECTOR, flare type, 3/8" tube, 1/4"NPT male
	70922457	1	CONNECTOR, flare type, 3/8" tube, 3/4"NF (Includes O-RING 70921349)
12	70621304	2	CLIP, hose supporting
	70916381	1	CAPSCREW, 3/8"NF x 3/4"
	70904206	1	LOCKWASHER, 3/8"
	70911115	1	WASHER, plain, SAE std., 3/8"
	70916309	1	CAPSCREW, 1/2"NC x 3/4"
	70904208	1	LOCKWASHER, 1/2"
	70910244	1	WASHER, plain, SAE std., 1/2"
13	70650071	1	TUBE ASSEMBLY, pump to transmission case (Includes nuts)
	70921217	1	CONNECTOR, flare type, 3/4" tube, 1-1/16"NF (Includes O-RING 70921206)
	70922997	1	CONNECTOR, flare type, 3/4" tube, 1-5/16"NF (Includes O-RING 70921214)



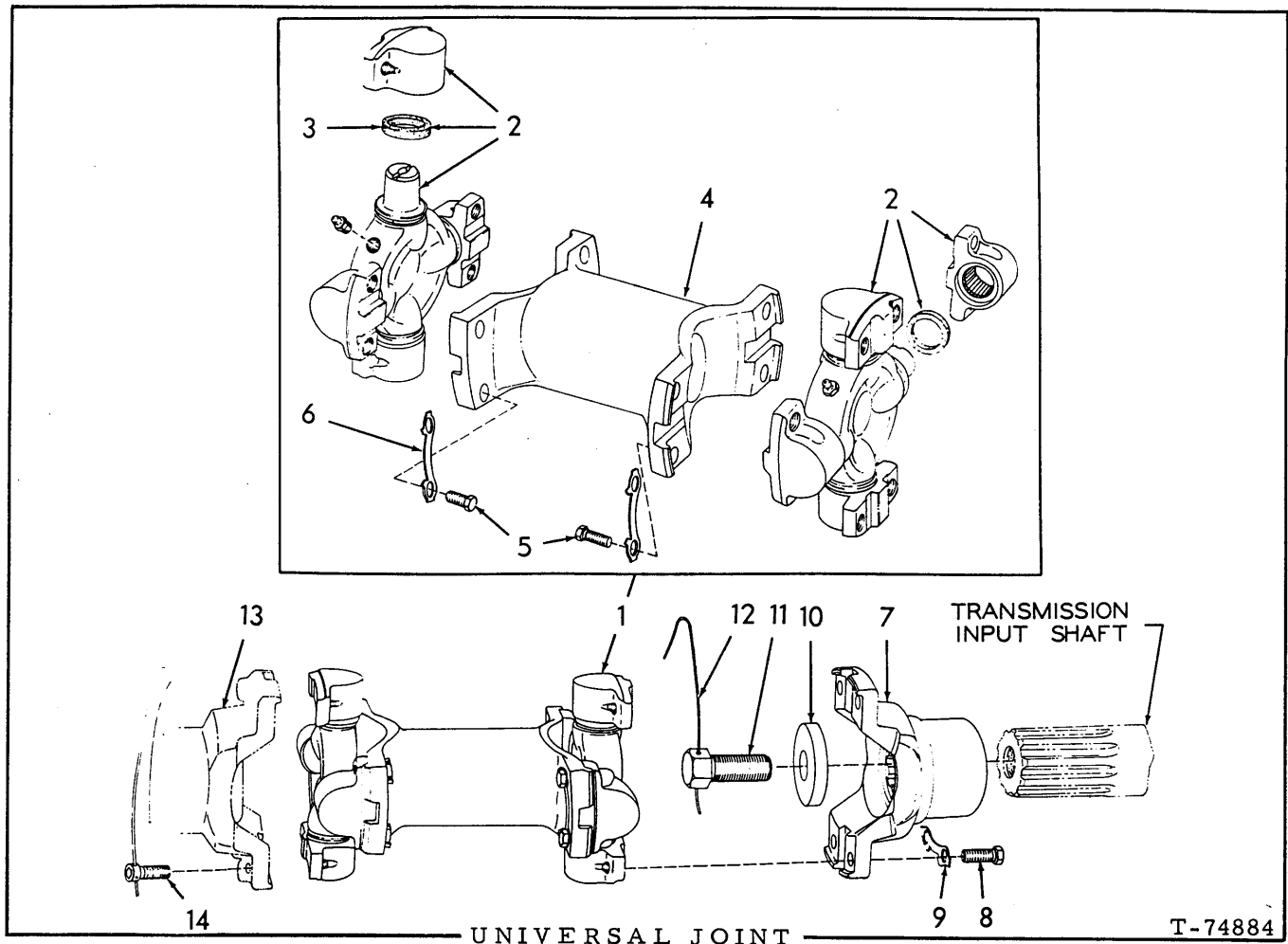
UNIVERSAL JOINT

T-41866

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

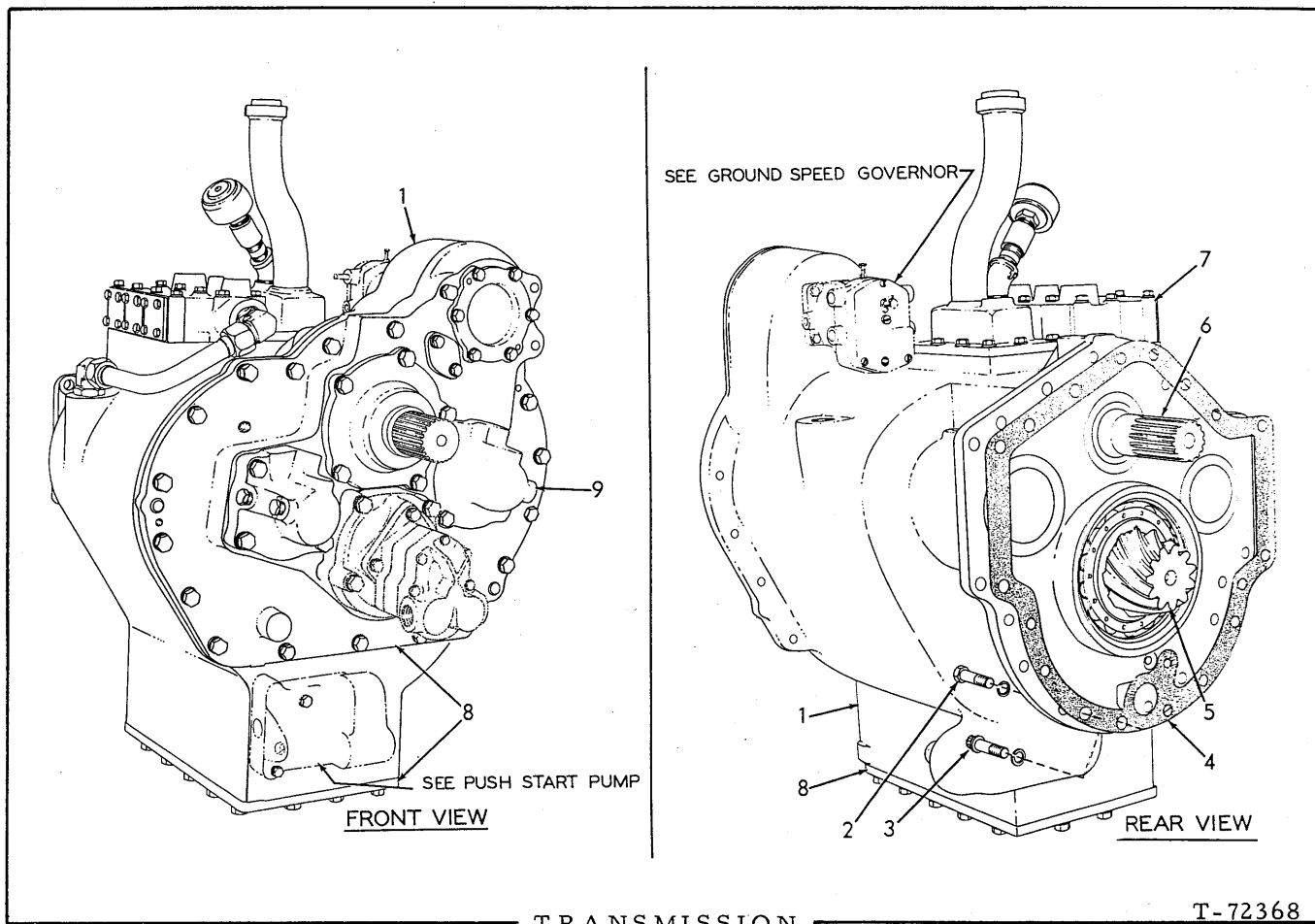
ITEM PART NO. QTY. DESCRIPTION

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	YOKE, 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	YOKE, front (See TORQUE CONVERTER)
14	70035167	4	CAPSCREW, 3/8"NF x 7/8"
15	70059876	2	LOCK, capscREW



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	70085918	2	SPIDER ASSEMBLY, front (Includes four bearings, item 3 and
	70914687	2	FITTING indented below. Serviced only as a unit)
			FITTING, lubricating, straight, 1/4" NPT
3	70076461	8	WASHER, sealing, spider bearing
4	70664427	1	YOKE, center
5	70035167	8	CAPSCREW, 3/8"NF x 7/8"
6	70059876	4	LOCK, capscREW
7	70623958	1	YOKE, 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	YOKE, 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)

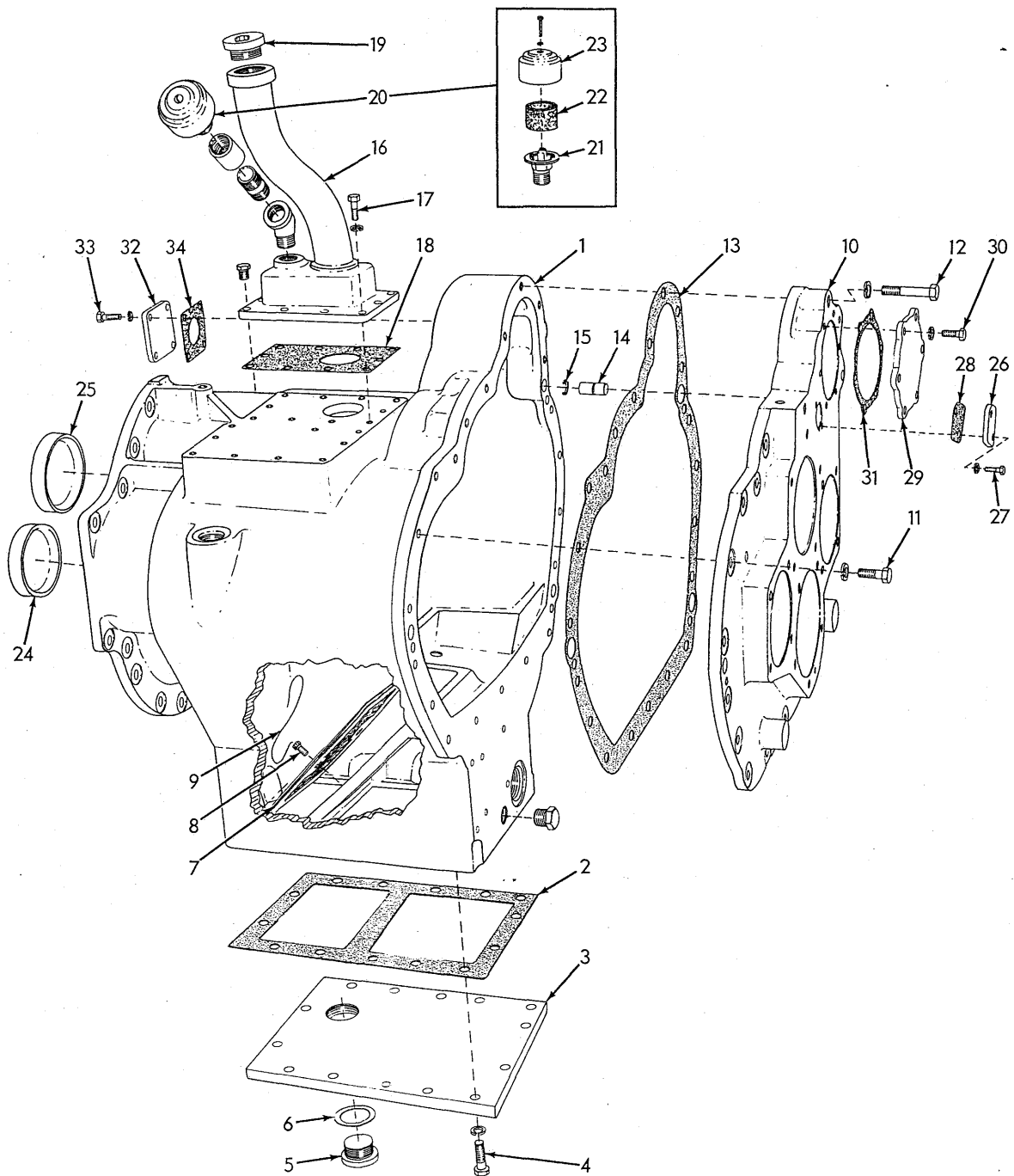
ITEM	PART NO.	QTY.		DESCRIPTION	
		*	**		
1	70624111	1	-	TRANSMISSION ASSEMBLY	Tractors without ground speed governor
	70648347	-	1	TRANSMISSION ASSEMBLY (Tractors #11428 thru #13106)	
	70659413	-	1	TRANSMISSION ASSEMBLY (Tractors #13107 thru 13366)	
	70664440	-	1	TRANSMISSION ASSEMBLY (Tractors #13367 and up)	
	70643831	1	-	TRANSMISSION ASSEMBLY	Tractors with ground speed governor
	70648374	-	1	TRANSMISSION ASSEMBLY (Tractors #11428 thru #13106)	
	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.	QTY.		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
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28	70643810	1	GASKET, cover, small hole
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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
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32	70630584	1	COVER, hole (rear)
33	70914392	4	CAPSCREW, 5/16"NC x 1"
	70904205	4	LOCKWASHER, 5/16"

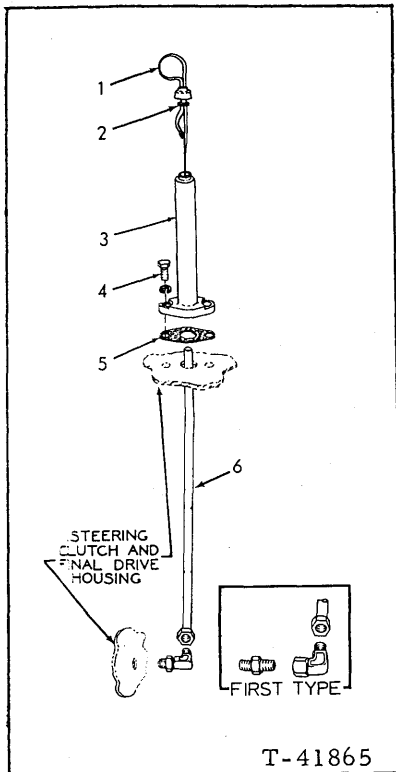
34	70624706	1	GASKET, rear cover
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Not used on Transmissions
equipped with Ground Speed
Governor

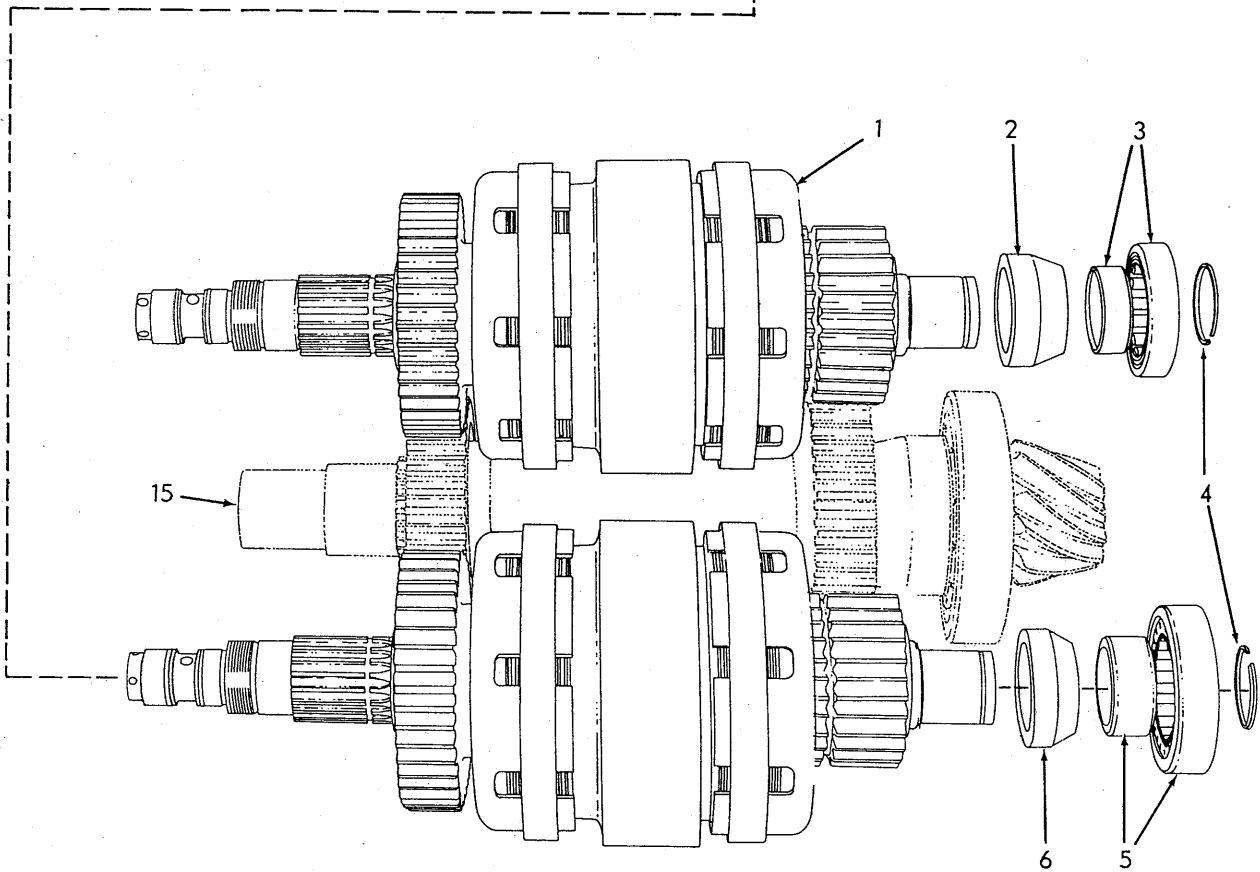
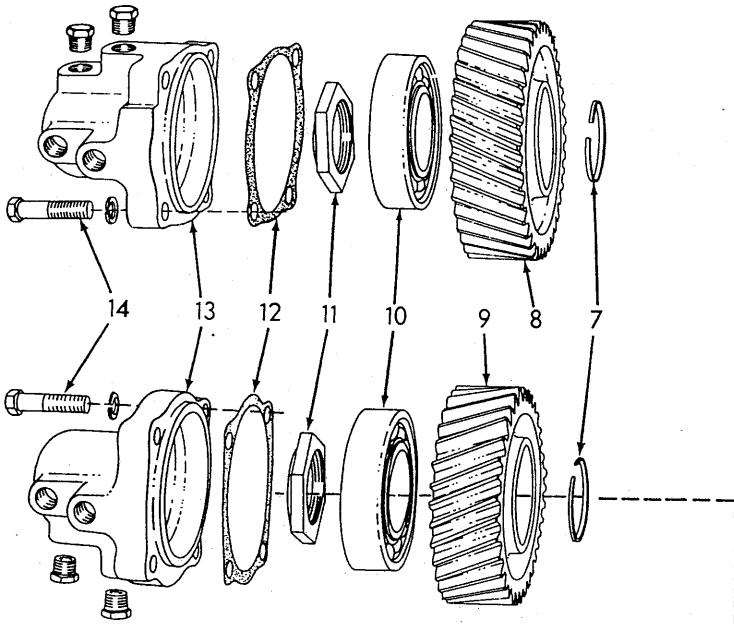
TRANSMISSION OIL LEVEL GAUGE

* Tractors prior to serial No. 11413

** Tractors serial No. 11413 and up



ITEM	PART NO.	QTY.		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

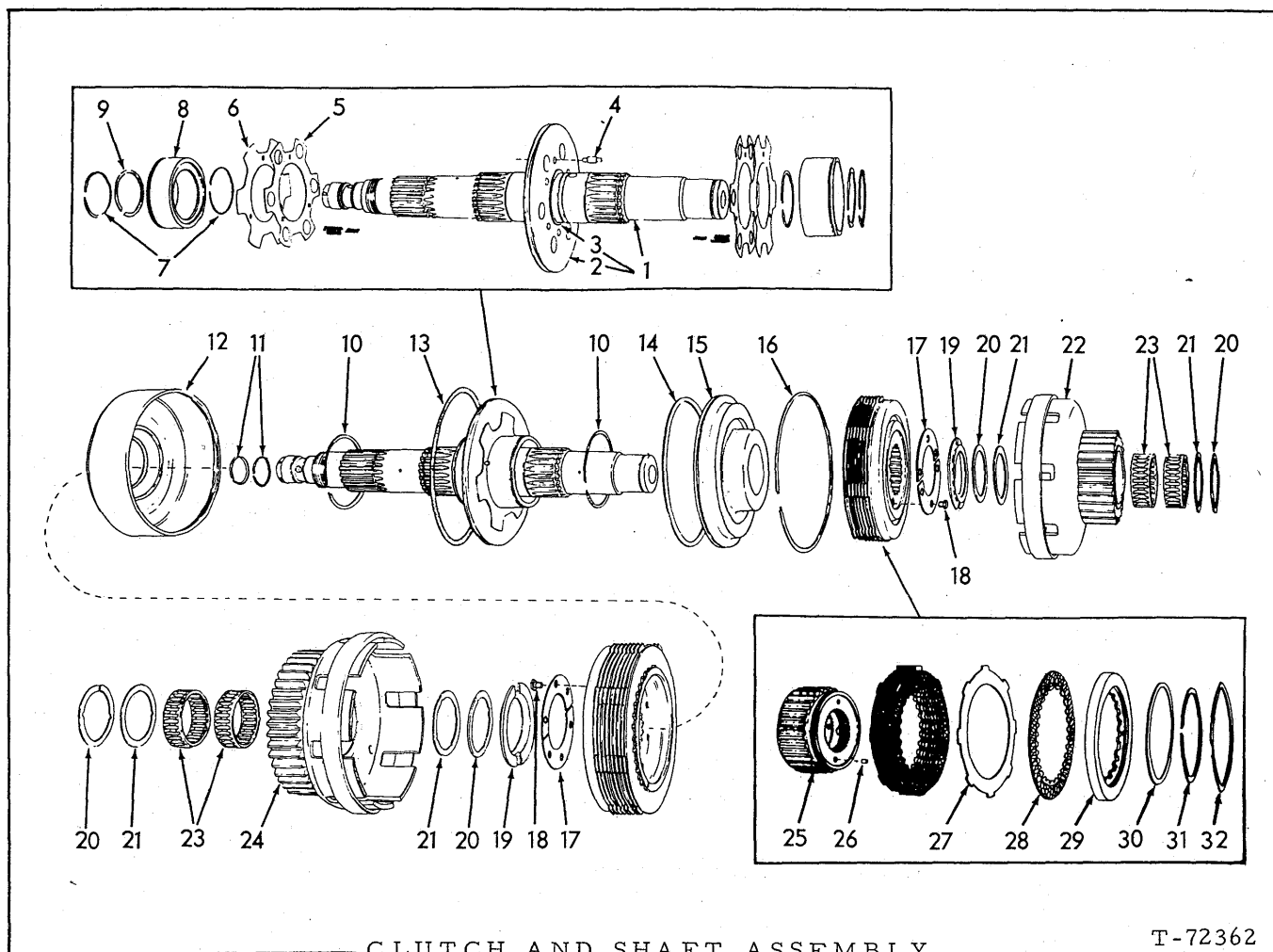


TRANSMISSION CLUTCH SHAFTS

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



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)
<u>NOTE:</u> 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	1	PLATE ASSY. (Includes 3 pins)(Used prior to tractor #11394)
	70651644	1	PLATE (Effective with tractor #11394)
3	70629860	2	RING, snap, plate retaining
4	70624237	3	PIN, valve actuating (straight type)(Used prior to tractor #11394)
	70651639	3	PIN, valve actuating (step type)(Effective tractor #11394)

(Continued)

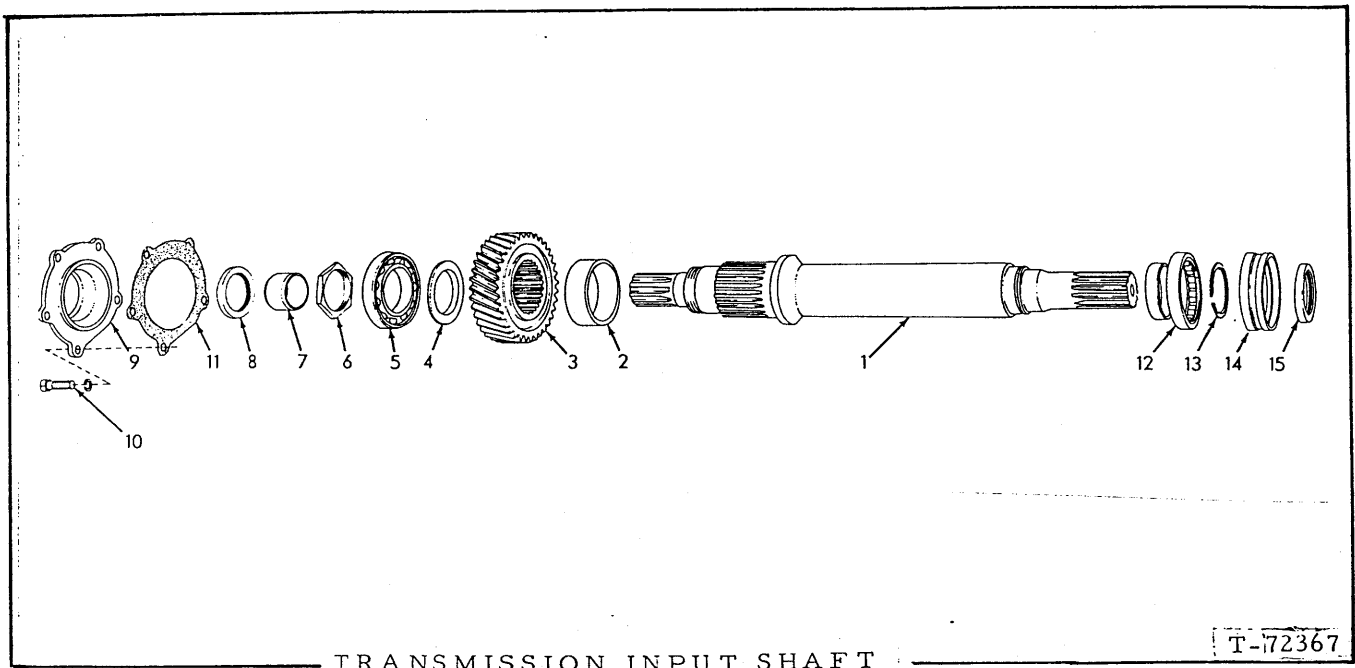
(Revised March 1973)

CLUTCH AND SHAFT ASSEMBLY (Continued)

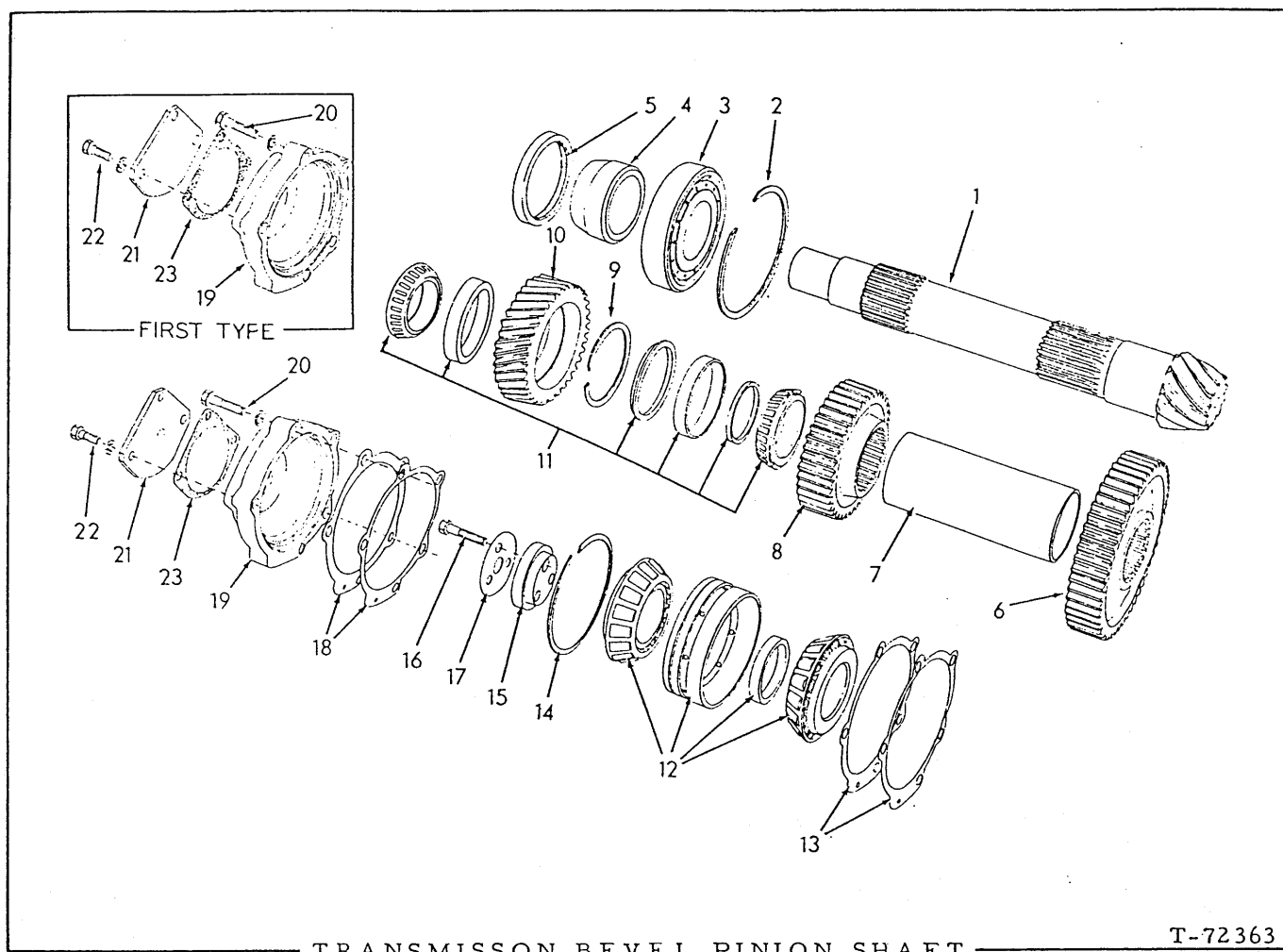
ITEM	PART NO.	QTY.	DESCRIPTION
5	70651642	2	DISC, backing
6	70629853	2	DISC, valve
7	70647998	4	□RING, shaft sealing
8	70629859	2	PISTON, accelerating
9	70629860	2	RING, snap, piston retaining
10	70629861	2	□RING, sealing, accelerating piston
11	70643958	2	RING, sealing, shaft (small
12	70629858	1	HOUSING, piston
13	70629856	1	□O-RING, shaft separator plate
14	70629855	1	□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

(Revised March 1973)

MEMO



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	5	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	5	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



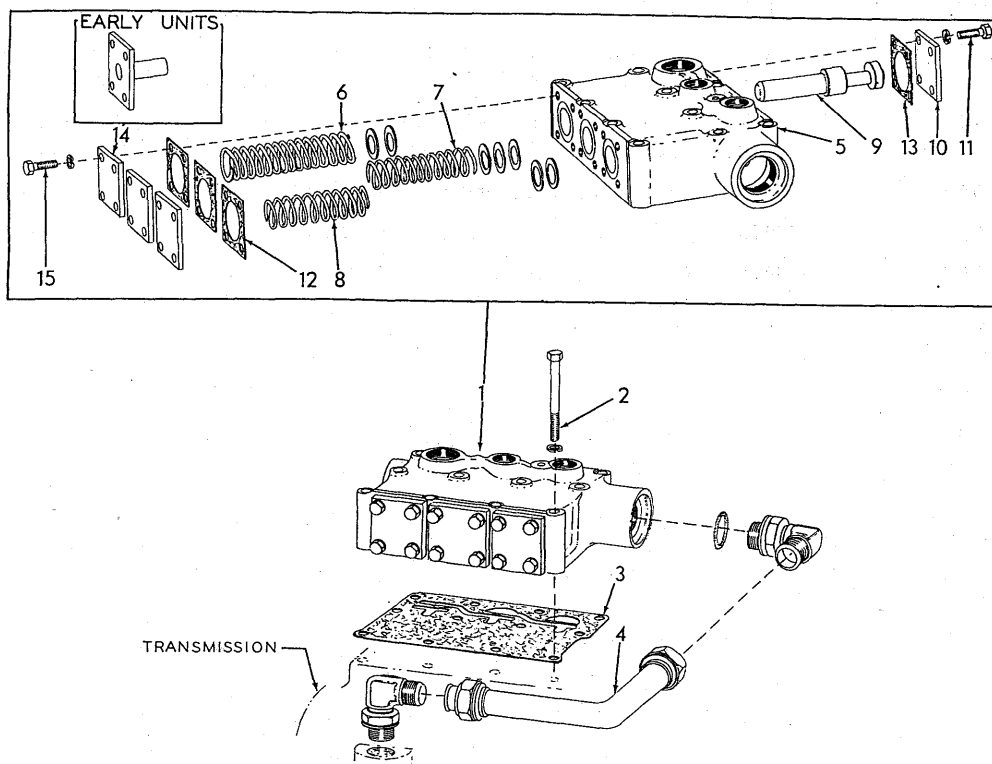
ITEM PART NO. QTY. DESCRIPTION

1	70623949	1	PINION, bevel (11 teeth, left-hand spiral)(Tractors prior to #11428)
	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	3	SHIM, pinion adjustment (.005" thick)	} Use as required
	70623954	7	SHIM, pinion adjustment (.007" thick)	
	70623955	10	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	4	SHIM, bearing retainer (.005" thick)	} Use as required
	70623957	3	SHIM, bearing retainer (.007" thick)	
19	70623959	1	RETAINER, front bearing (Tractors prior to unit #14713; also later units if equipped with special PUSH-START PUMP)	
	70667400	1	RETAINER, front bearing (Tractors unit #14713 and up)	
20	70916315	5	CAPSCREW, 1/2"NC x 2-1/4"	
	70904208	5	LOCKWASHER, 1/2"	
21	70643027	1	COVER, front bearing retainer	} Tractors prior to unit #14713. Not used when special PUSH-START PUMP is installed.
22	70916271	3	CAPSCREW, 3/8"NC x 1"	
	70904206	3	LOCKWASHER, 3/8"	
23	70632065	1	GASKET, cover	



TRANSMISSION PRESSURE RELIEF VALVE

T-41893

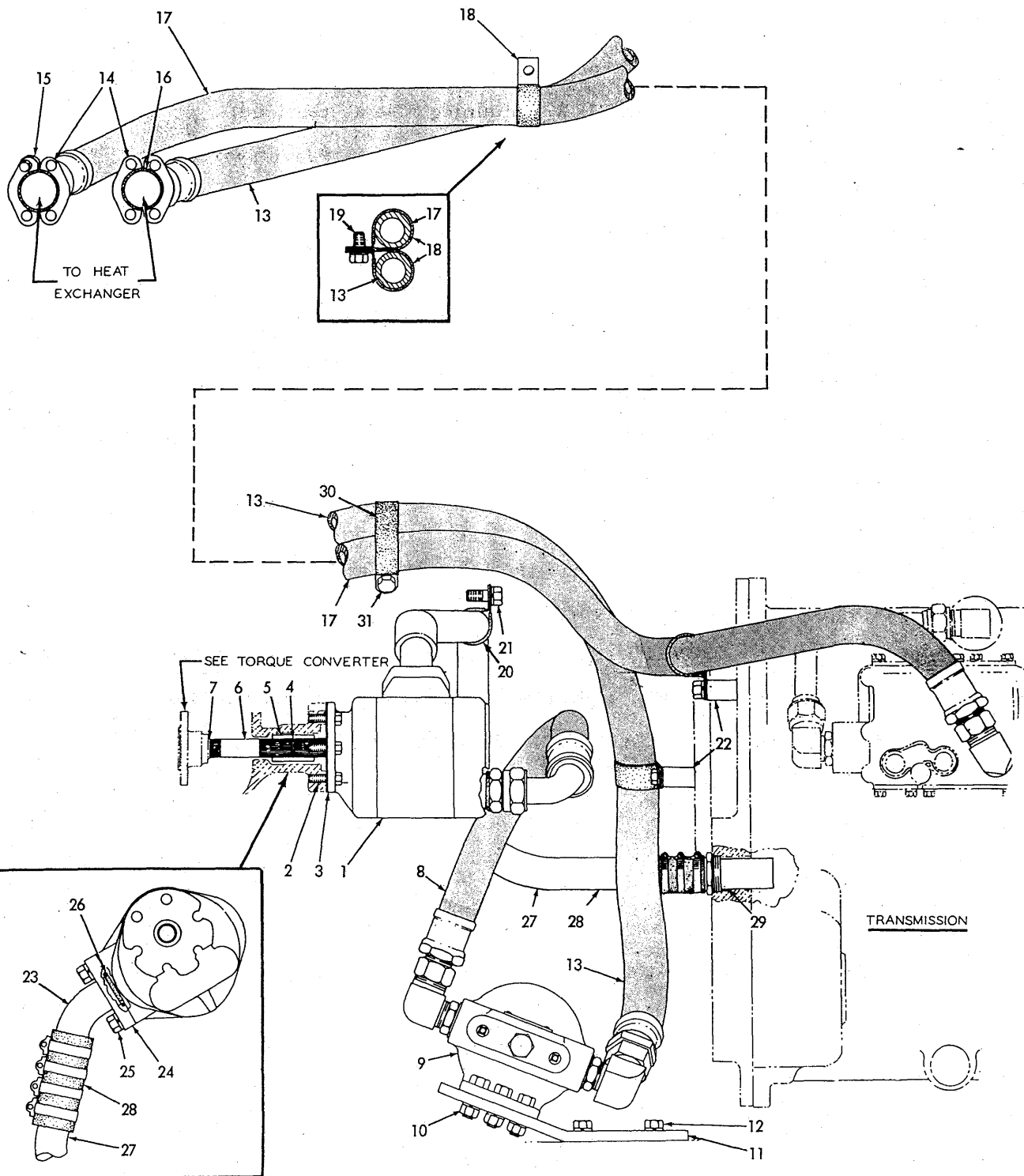
* Tractors prior to serial No. 13368 ("Twin-Disc" converter)
 ** Tractors serial No. 13368 and up ("Rockford" converter)

ITEM	PART NO.	QTY.		DESCRIPTION	
		*	**		
1	70631876	1	-	VALVE ASSEMBLY	Each consists of items 5 thru 15
	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

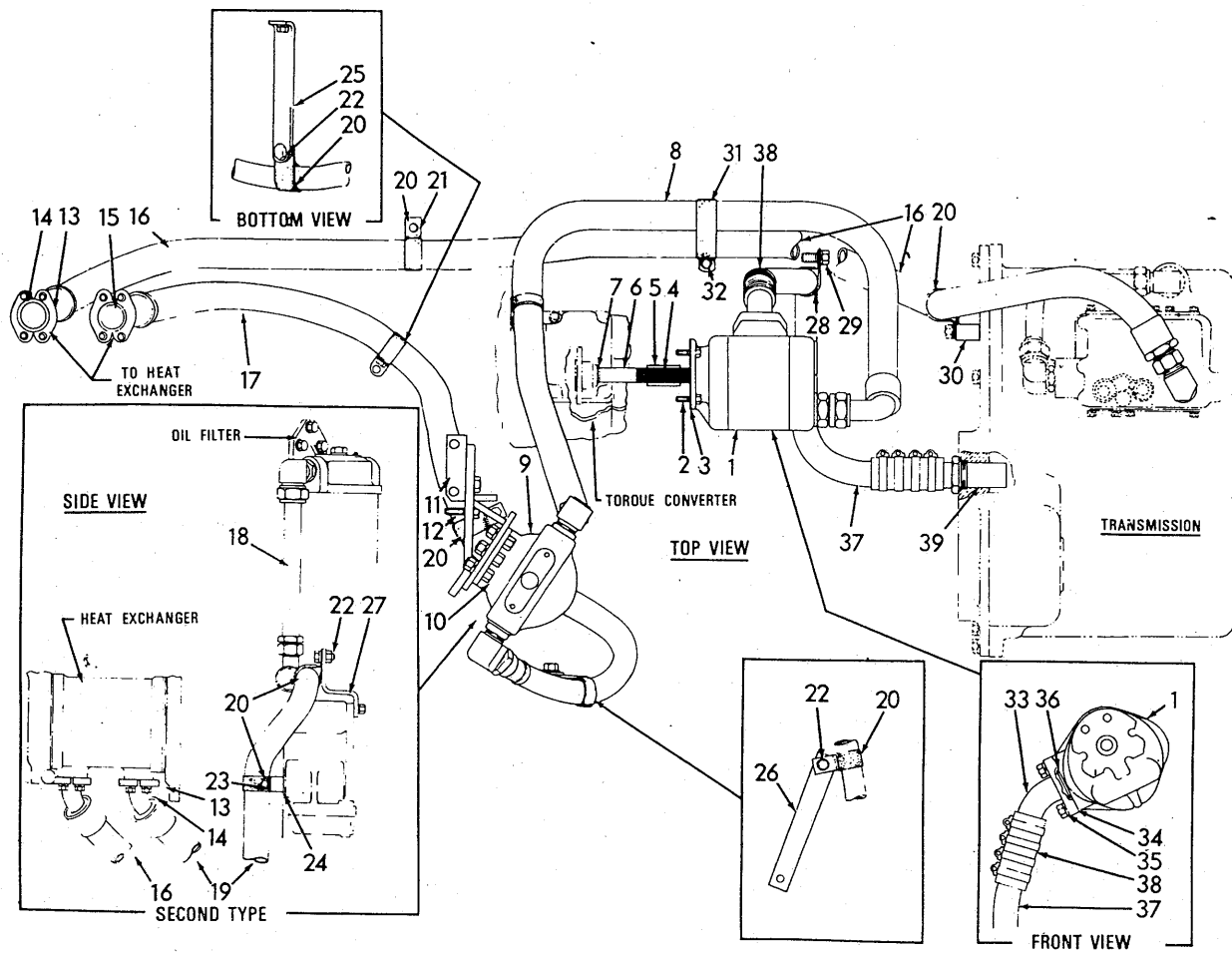
ITEM	PART NO.	QTY.	DESCRIPTION
1	70643813	1	PUMP ASSEMBLY, oil (See page 176 for parts)(Used prior to tractor #11218. Order PUMP ASSEMBLY 70650379)
	70650379	1	PUMP ASSEMBLY, oil (See page 177 for parts)(Effective with tractor #11218)
2	70013058	6	CAPSCREW, 3/8"NC x 1-1/4"
3	70629436	1	GASKET, pump to 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)
	70650397	1	FILTER ASSEMBLY, oil (Effective with tractor #11584. Order FILTER ASSEMBLY 70659519)
} See page 174 for parts			
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"

MEMO



TRANSMISSION OIL PUMP AND FILTER (Second type)

T-72325

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

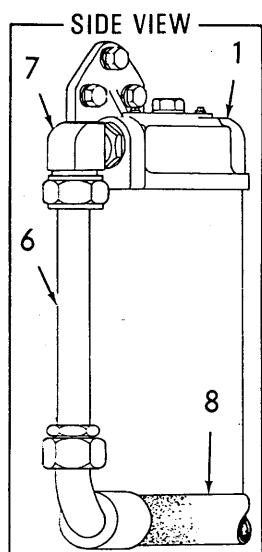
ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	70650379	1	1	PUMP ASSEMBLY, oil (See page 177 for parts)
2	70013058	3	3	CAPSCREW, 3/8"NC x 1-1/4"
3	70629436	1	1	GASKET, pump to torque converter
4	70188476	1	1	RING, coupling retaining
5	70643684	1	1	COUPLING, pump drive (splined)
6	70643686	1	1	SHAFT, pump 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	1	-	FILTER ASSEMBLY (Tractors prior to #12957. Order 70659519)
	70659519	1	1	
				See page 174 for parts
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)

(Continued)

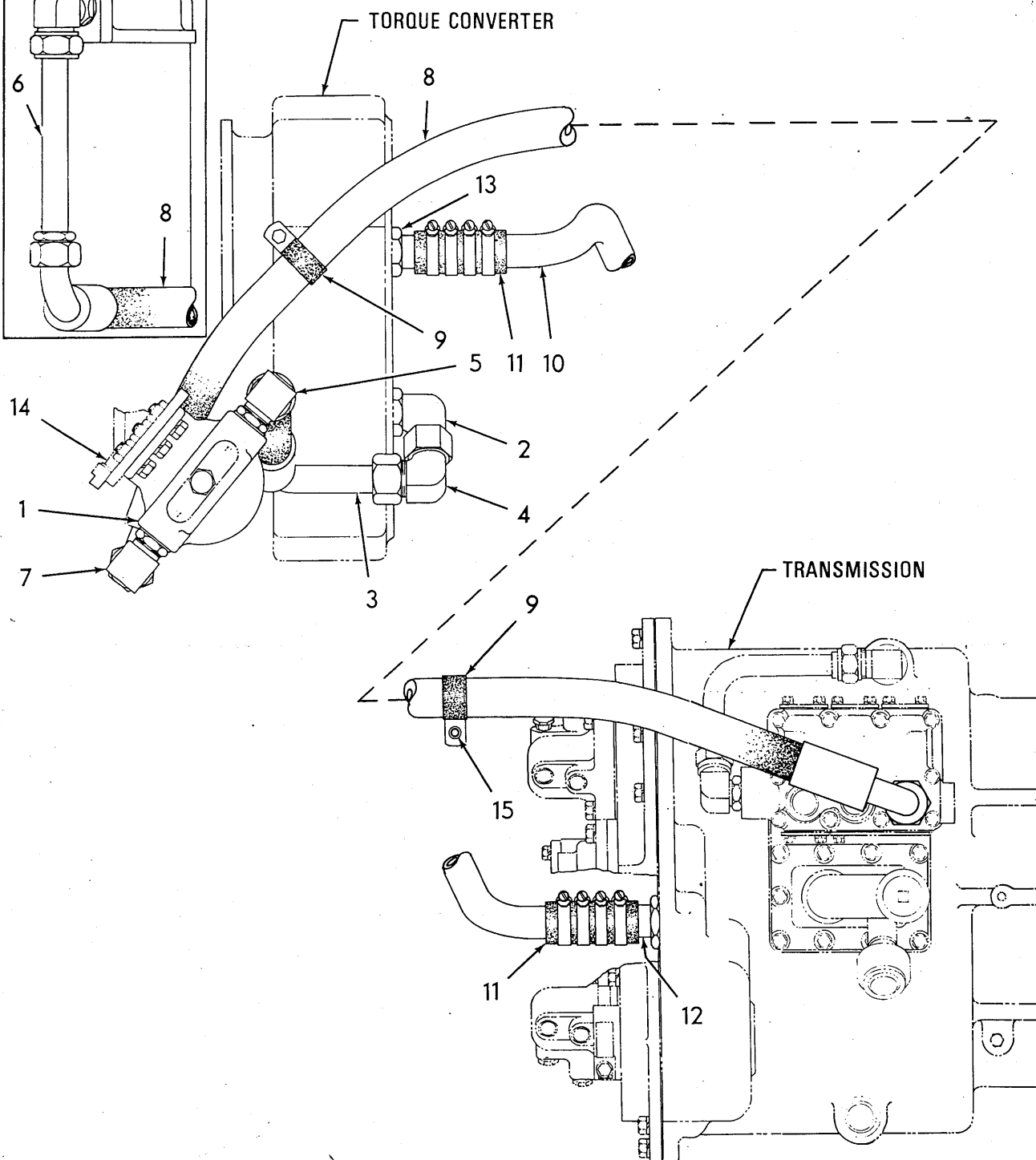
TRANSMISSION OIL PUMP AND FILTER (Continued)

ITEM	PART NO.	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

MEMO



TOP VIEW



TRANSMISSION OIL PUMP AND FILTER (Third type)

T-74885

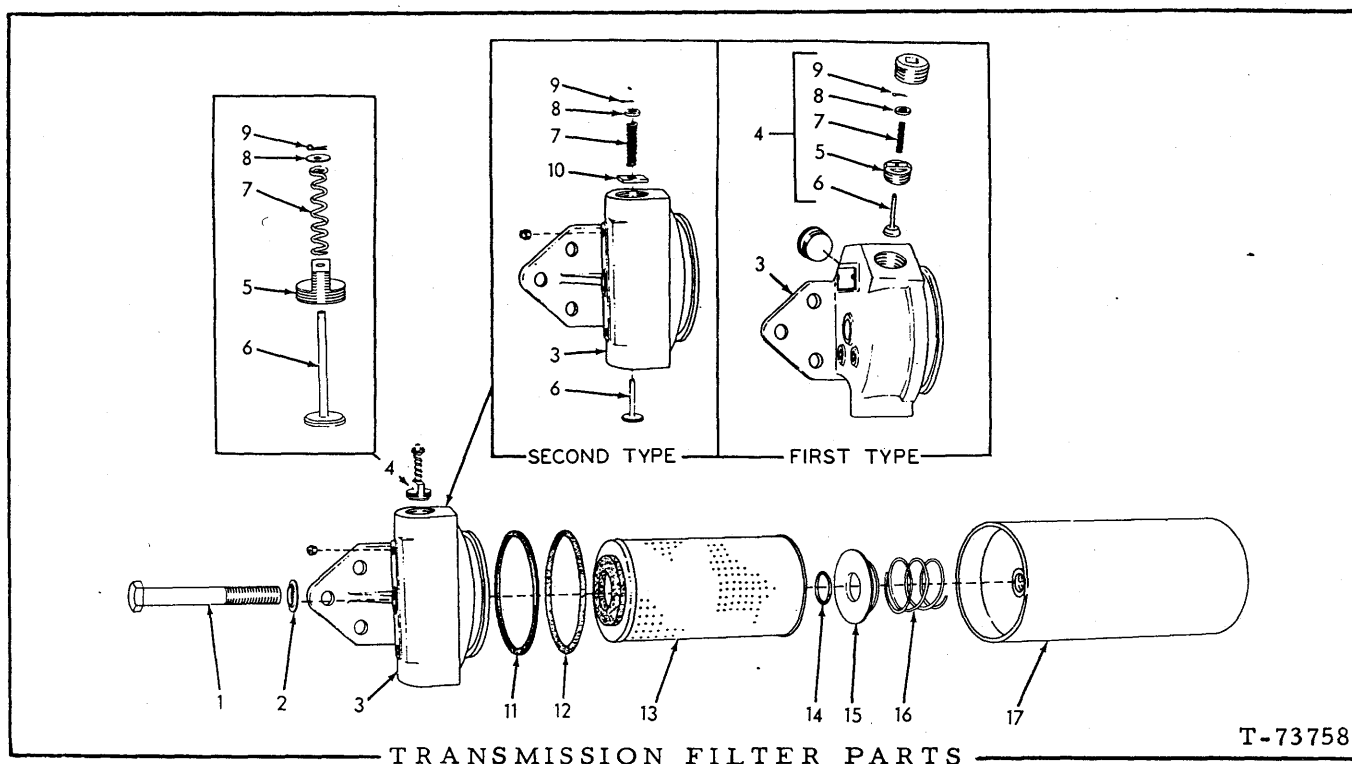
TRANSMISSION OIL PUMP AND FILTER

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)



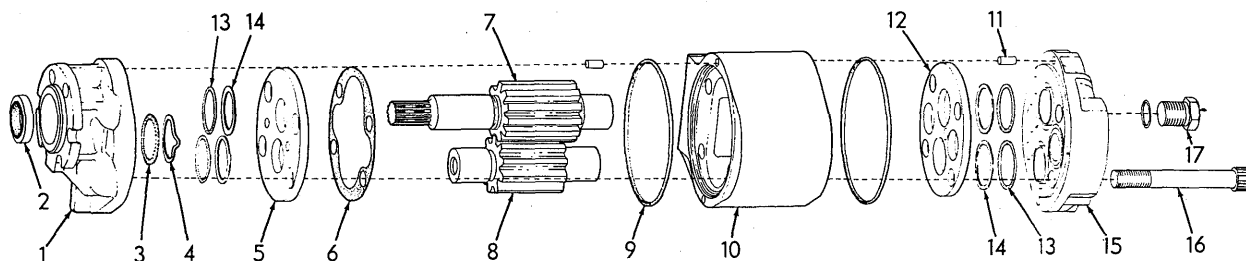
* 70637865 FILTER ASSEMBLY (See page 165.)
 ** 70650397 FILTER ASSEMBLY (See pages 165 and 169.)
 Δ 70659519 FILTER ASSEMBLY (See pages 169 and 173.)

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

(Continued)

TRANSMISSION FILTER PARTS (Continued)

ITEM	PART NO.	QUANTITY			DESCRIPTION
		*	**	Δ	
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

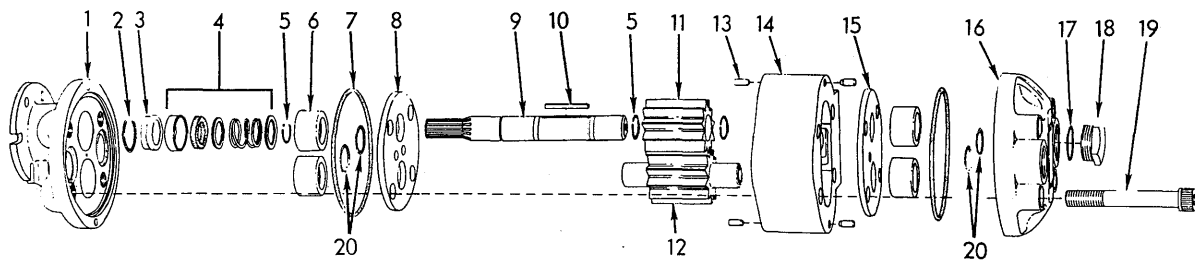


OIL PUMP ASSEMBLY, 70643813

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	-	GASKET, shimming, wear plate (.001")
	73003692	-	GASKET, shimming, wear plate (.002")
			Use as required
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	1	PLUG, cover (Includes O-RING indented below)
	70921206	1	O-RING, plug sealing

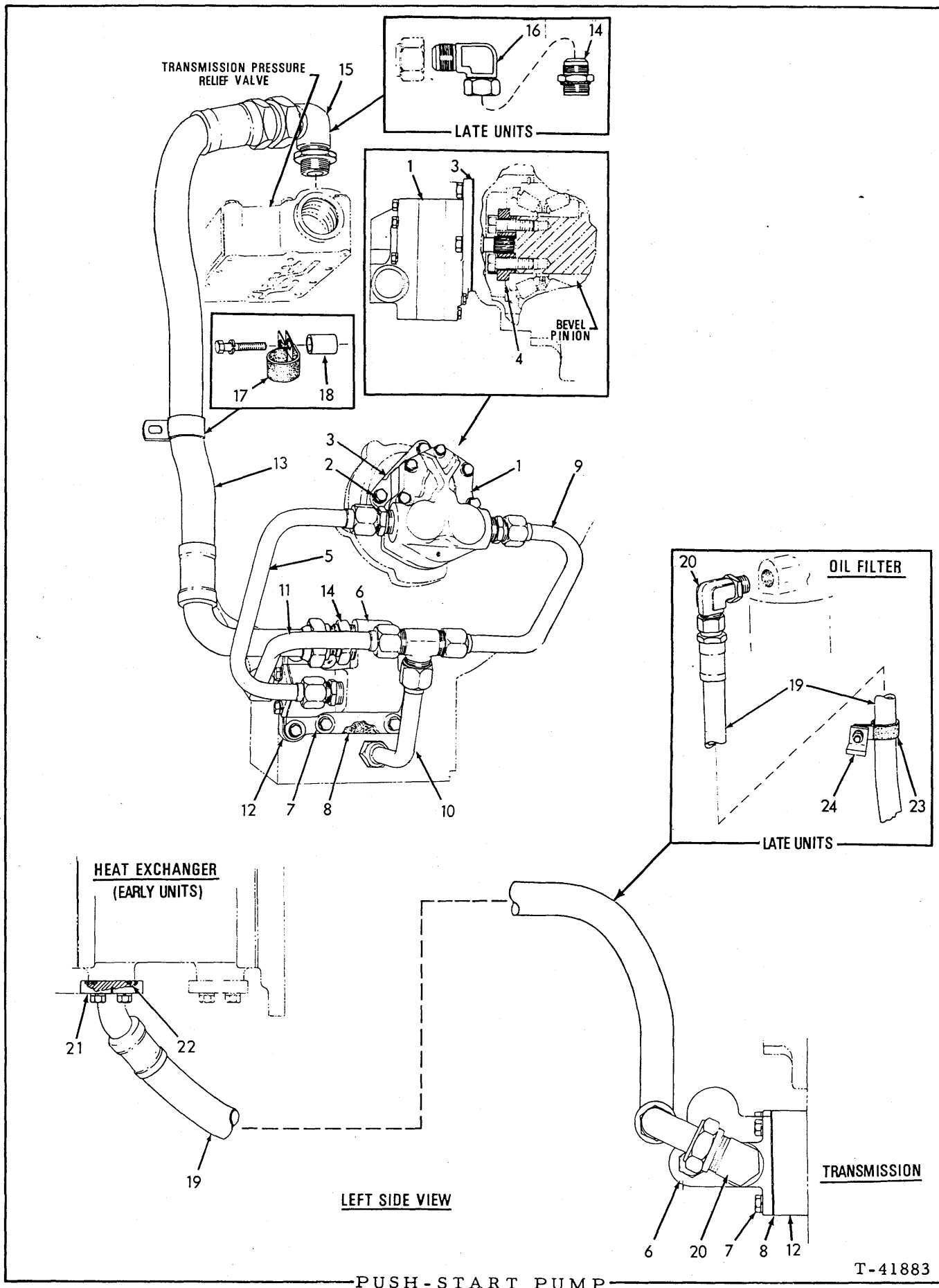


OIL PUMP ASSEMBLY 70650379

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



T-41883

PUSH-START PUMP

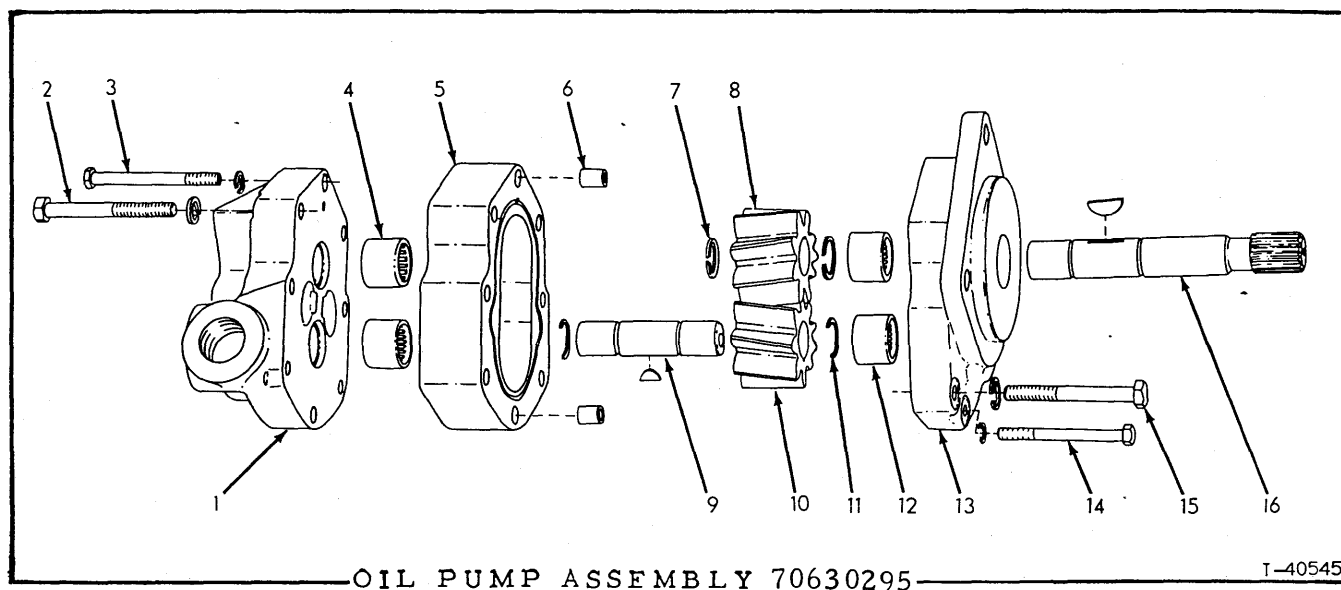
USAGE: Special equipment

* Tractors prior to serial No. 13367

** Tractors serial No. 13367 and up

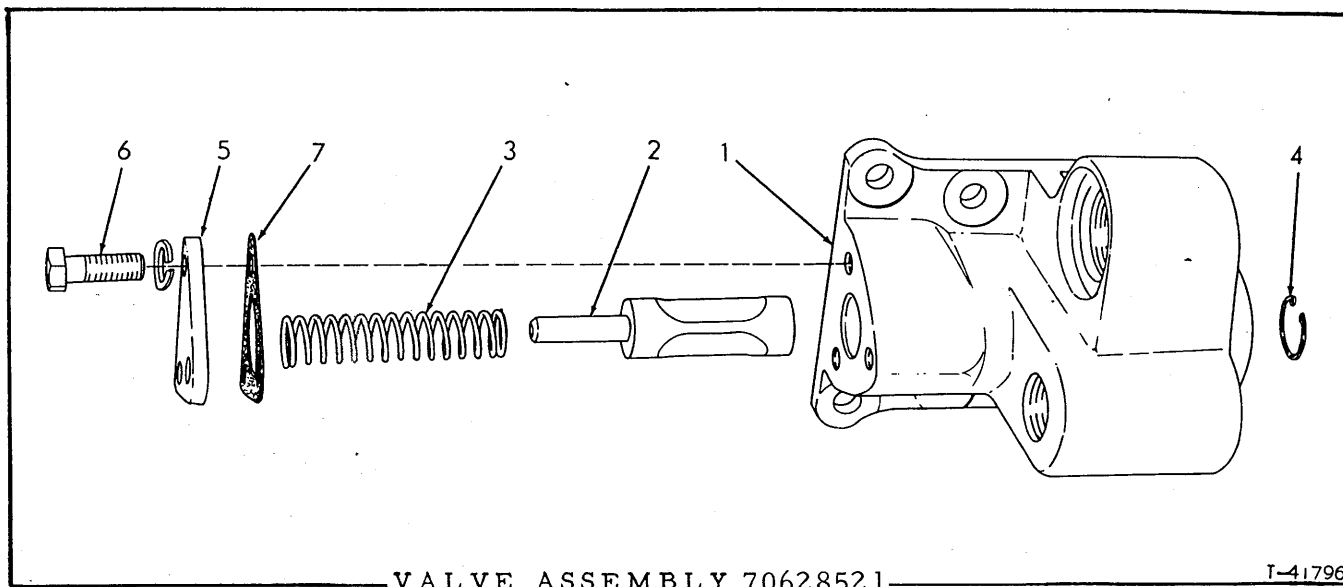
ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	70630295	1	1	PUMP ASSEMBLY, oil (See page 180 for parts)
2	70919224	3	3	CAPSCREW, 3/8"NC x 1-1/8"
	70904206	3	3	LOCKWASHER, 3/8"
3	70632065	1	1	GASKET, pump mounting
4	70632066	1	1	WASHER, pump coupling (Replaces standard WASHER 70643028)
5	70642889	1	1	TUBE 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

(Revised October 1968)



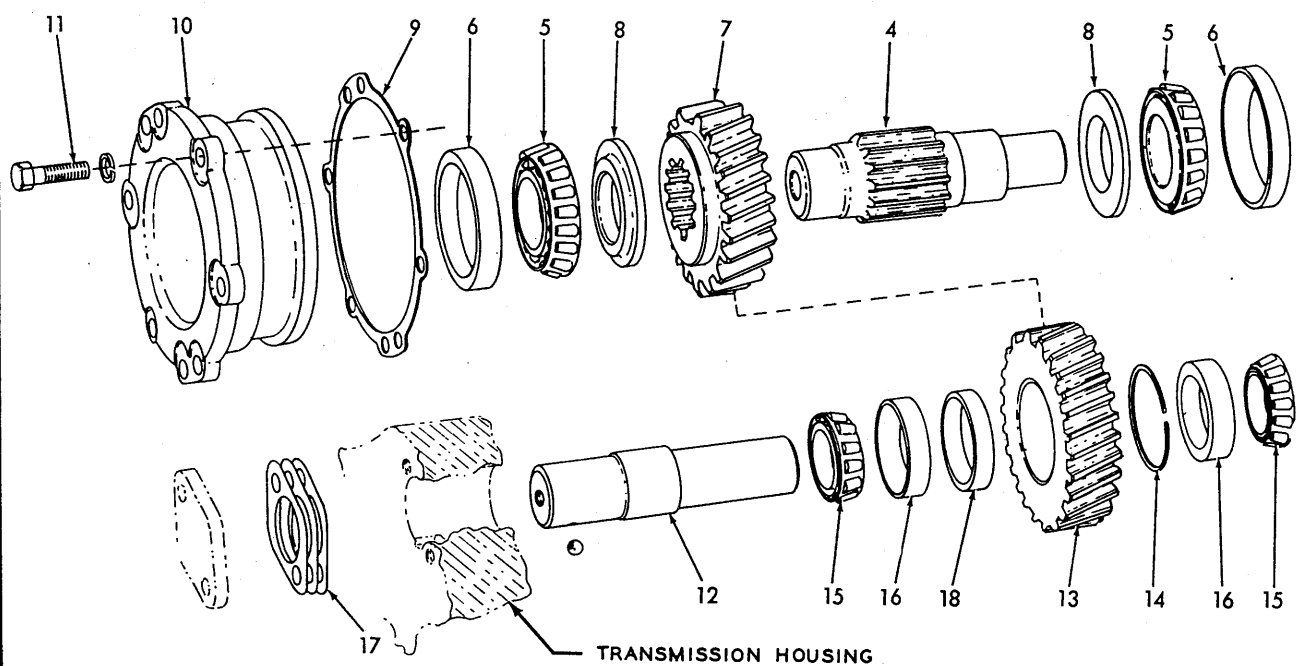
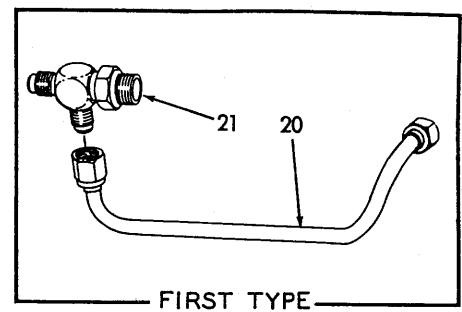
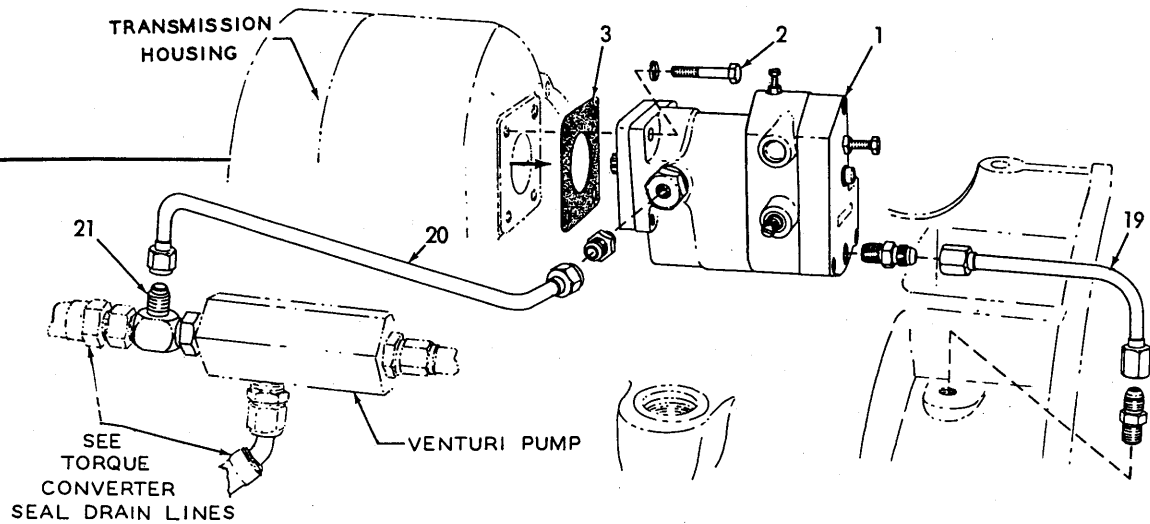
USAGE: See page 179

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	1	SHAFT, idler gear
	70921396	1	KEY, woodruff, 1/8" x 3/8"
10	70641841	1	GEAR, idler
11	73039013	2	RING, snap, idler shaft
12	70208253	2	BEARING, needle, drive end
13	70641855	1	BODY ASSEMBLY (Includes item 12)
14	70611975	1	CAPSCREW, 1/4"NC x 2-1/2"
	70904204	1	LOCKWASHER, 1/4"
15	70033751	2	CAPSCREW, 5/16"NC x 2-1/2"
	70904205	2	LOCKWASHER, 5/16"
16	70641840	1	SHAFT, drive
	70905122	1	KEY, woodruff, 1/8" x 3/4"



USAGE: See page 179

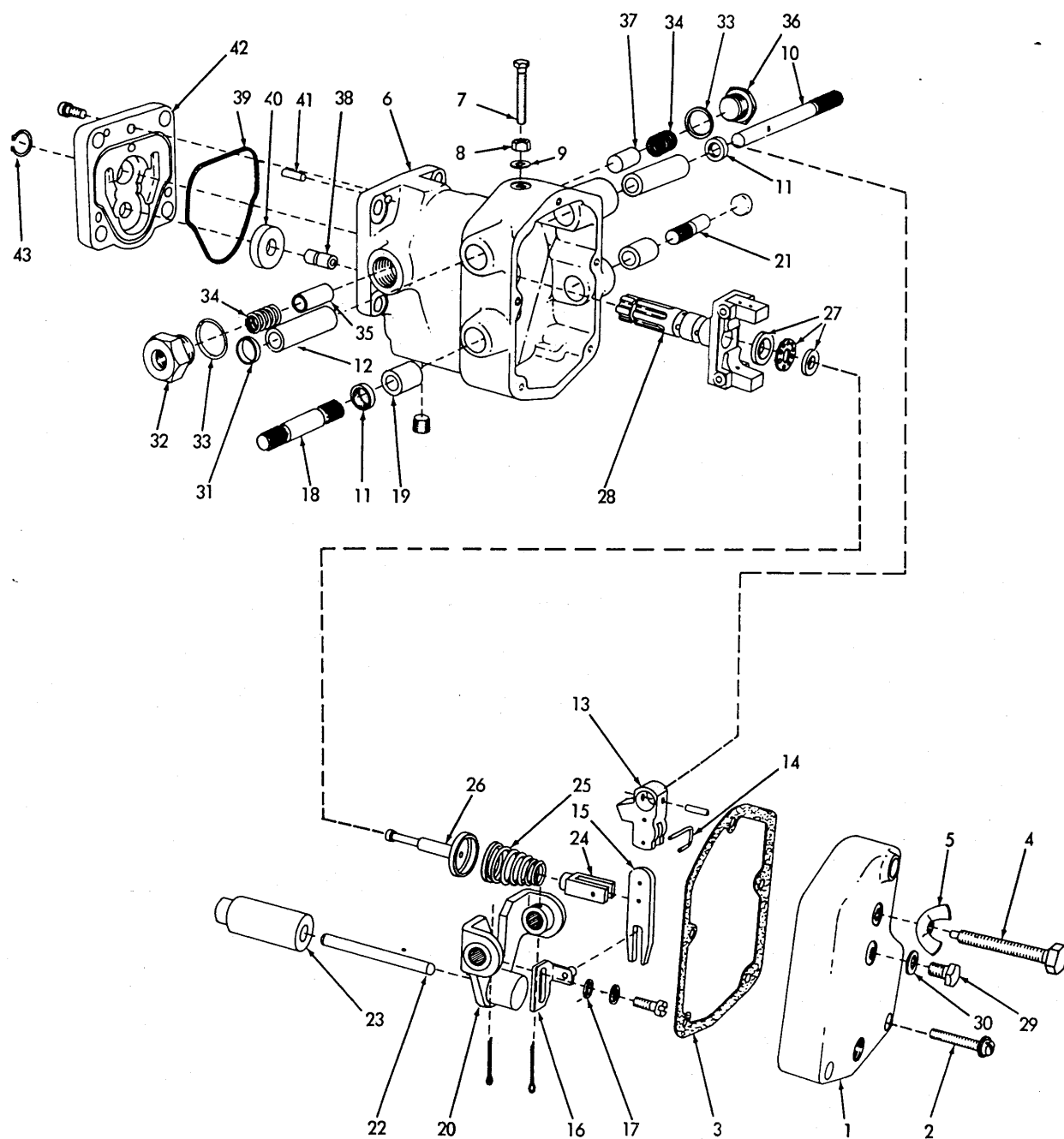
ITEM	PART NO.	QTY.	DESCRIPTION
1	70628065	1	HOUSING
2	70629391	1	SPOOL
3	70035337	1	SPRING
4	70075354	1	RING, snap
5	70629393	1	PLATE, cover
6	70035439	3	CAPSCREW, 3/8"NC x 1"
	70904206	3	LOCKWASHER, 3/8"
7	70629392	1	GASKET, cover plate



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)	} Use as required
	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)	} Use as required
	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

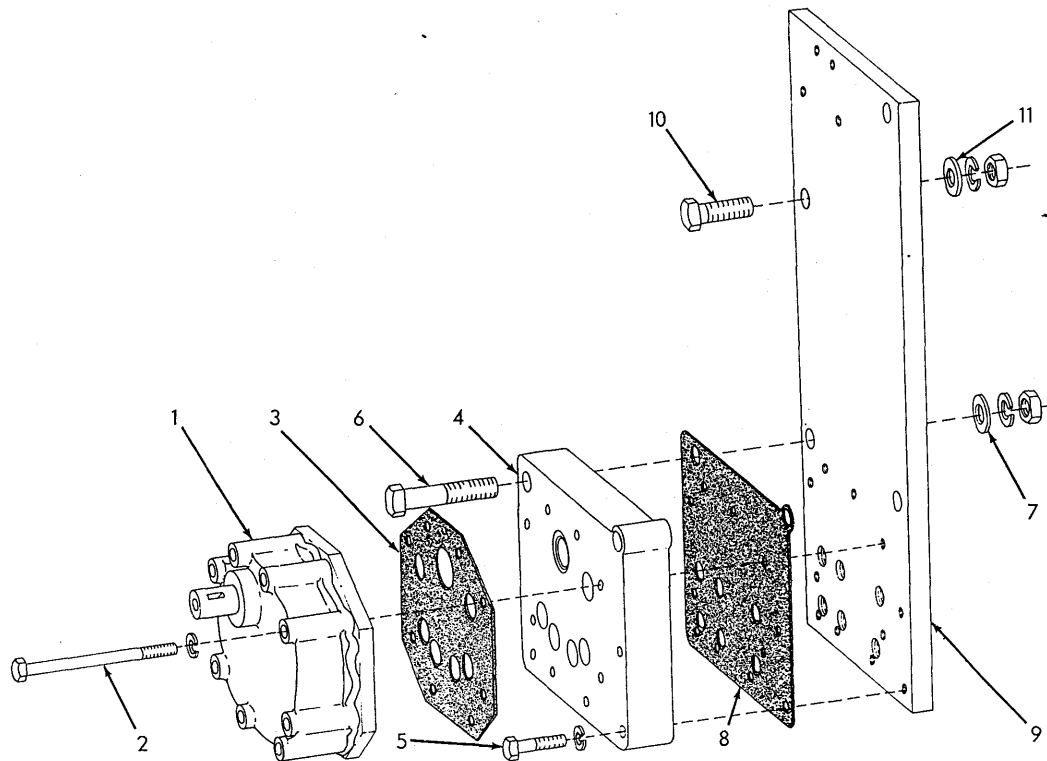
USAGE: See page 183

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	1	CASE ASSY. (Includes items 12, 19 and 38)
	70910231	1	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	1	LEVER, speed control
	70919180	1	PIN, roll, 1/8" x 5/8"
14	70629879	1	PIN, speed control lever
15	70629882	1	LEVER, floating
16	70629895	1	BRACKET ASSY., speed droop adjustment (Includes pin)
	70901781	1	SCREW, machine, fil-hd., #10-32 NF x 1/2"
	70909055	1	LOCKWASHER, int-tooth, #10
17	70629901	1	WASHER, plain
18	70629886	1	SHAFT, terminal
19	70629899	2	BEARING, plain, terminal shaft
20	70629894	1	LEVER, terminal shaft
	70900801	2	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



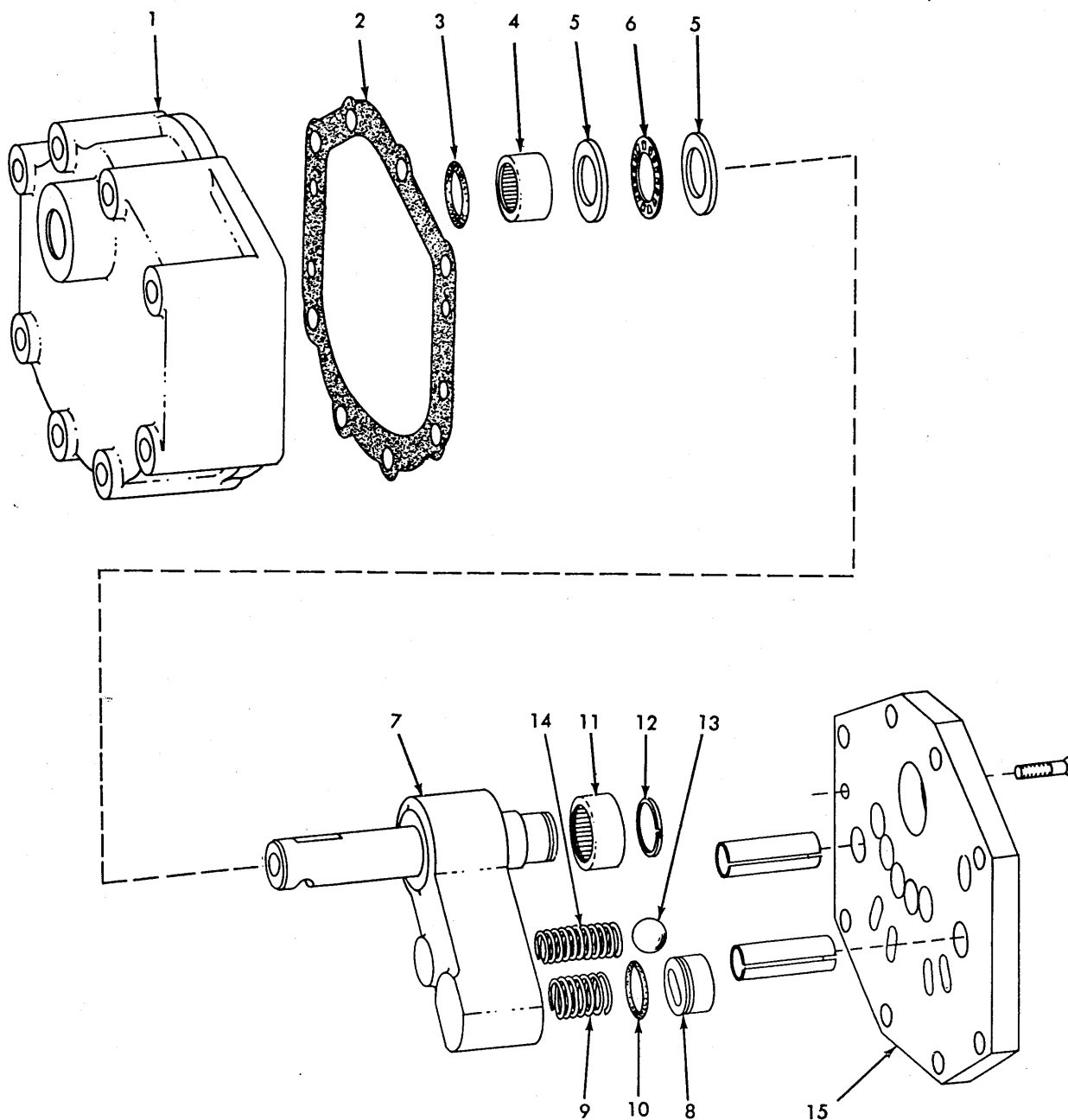
SPEED CONTROL VALVE

T-41892

ITEM PART NO. QTY. DESCRIPTION

1	70629132	1	VALVE ASSY. (Used prior to tractor #12261. Order 70651554)
	70651554	1	VALVE ASSY. (Effective with tractor #12261)
2	70637661	8	CAPSCREW, 5/16"NF x 4-3/8"
	70904205	8	LOCKWASHER, 5/16"
3	70629136	1	GASKET, valve
4	70641308	1	MANIFOLD, valve
5	70087807	3	CAPSCREW, 5/16"NF x 2"
	70904205	3	LOCKWASHER, 5/16"
6	70070403	2	CAPSCREW, 1/2"NF x 3"
7	70064531	2	WASHER, plain
	70904208	2	LOCKWASHER, 1/2"
	70911043	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	2	WASHER, plain
	70904208	2	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF

See
page
189
for
parts



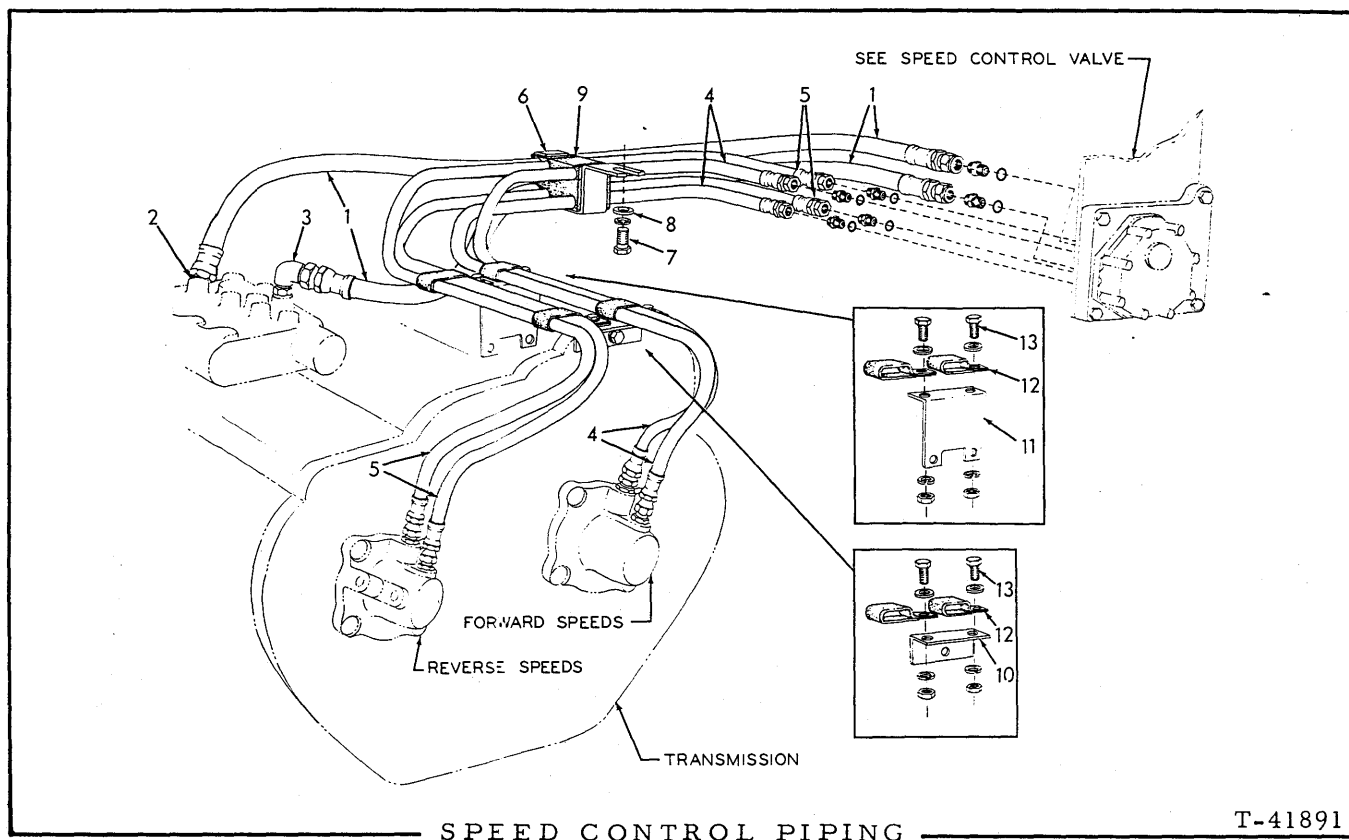
CONTROL VALVE PARTS

T-41941

CONTROL VALVE PARTS

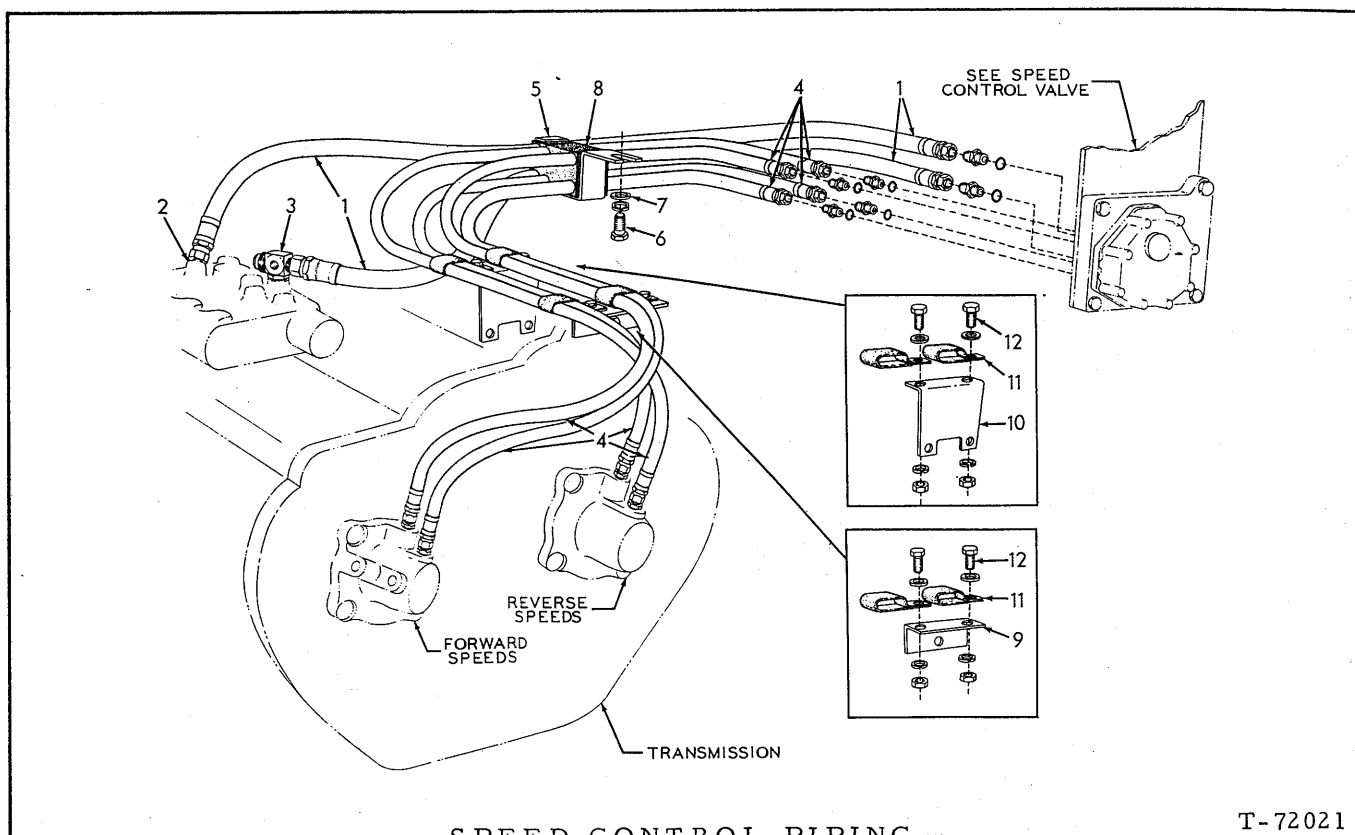
* VALVE ASSY. 70629132 }
 ** VALVE ASSY. 70651554 } See page 187

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



USAGE: Tractors prior to serial No. 11428

ITEM	PART NO.	QTY.	DESCRIPTION
1	70643953	2	HOSE, control valve to pressure relief valve (See page 6)
	70922981	2	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	2	HOSE, control valve to forward clutch (See page 6)
	70919063	2	CONNECTOR, flare type, 1/2" tube, 3/8"NPT
	70921409	2	CONNECTOR, flare type, 1/2" tube, 3/4"NF male end (Includes O-RING 70921349)
5	70638205	2	HOSE, control valve to reverse clutch (See page 6)
	70919063	2	CONNECTOR, flare type, 1/2" tube, 3/8"NPT
	70921409	2	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"
	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	4	CAPSCREW, 3/8"NF x 3/4"
	70911115	4	WASHER, plain, SAE std., 3/8"
	70904206	4	LOCKWASHER, 3/8"
	70911041	4	NUT, 3/8"NF

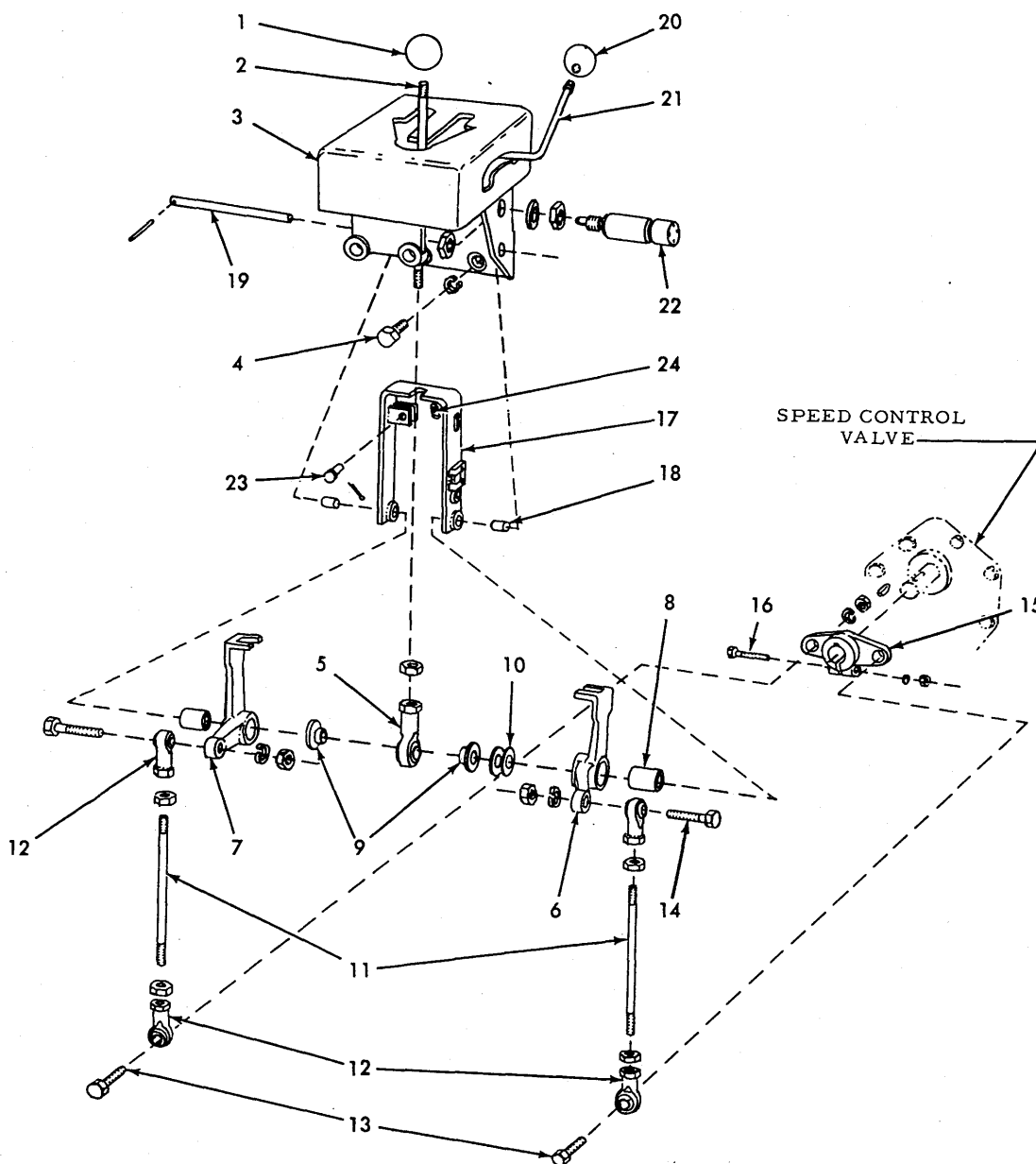


SPEED CONTROL PIPING

T-72021

USAGE: Tractors serial No. 11428 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	70643953	2	HOSE, control valve to pressure relief valve (See HOSE PARTS)
	70922981	2	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)(Tractors prior to #13368)
	70664428	1	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	4	HOSE, control valve to clutch shafts
	70919063	4	CONNECTOR, flare type, 1/2" tube, 3/8"NPT
	70921409	4	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"
	70904206	1	LOCKWASHER, 3/8"
7	70044973	1	WASHER, plain
8	70641348	1	BLOCK, hose supporting (rubber)
9	70638699	1	ANGLE, hose supporting
10	70645457	1	ANGLE, hose supporting
11	70643941	4	CLIP, hose supporting (For two 3/4" diam. hoses)
12	70036032	4	CAPSCREW, 3/8"NF x 3/4"
	70911115	4	WASHER, plain, SAE std., 3/8"
	70904206	4	LOCKWASHER, 3/8"
	70911041	4	NUT, 3/8"NF



SPEED CONTROL LINKAGE

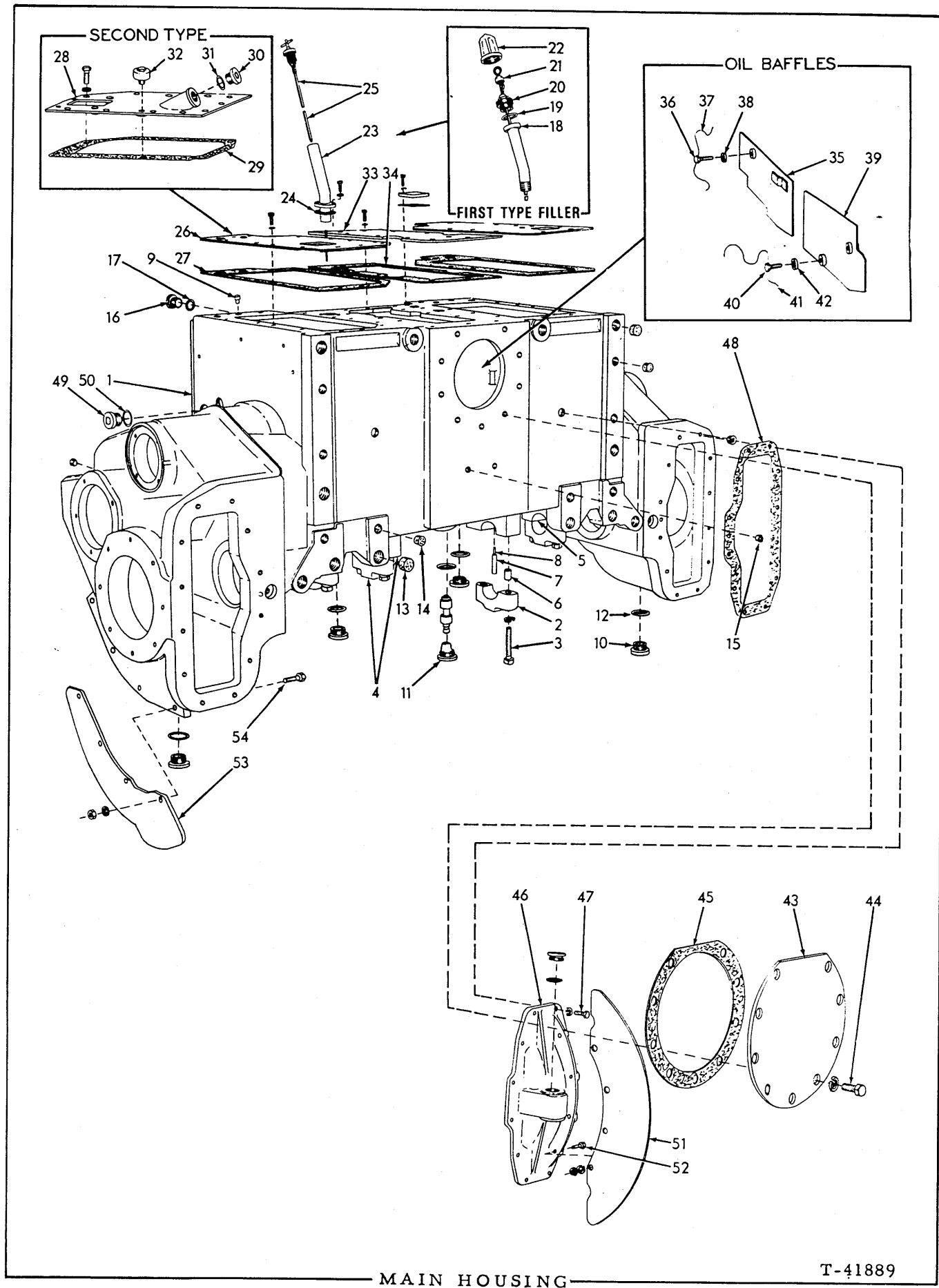
I-41890

ITEM	PART NO.	QTY.	DESCRIPTION
1	70629709	1	KNOB, range selector rod
2	70637821	1	ROD, range selector
	70911048	1	NUT, jam, 3/8"NF
3	70635073	1	GUIDE, range selector rod and safety switch lever
4	70036034	4	CAPSCREW, 3/8"NF x 1"
	70904206	4	LOCKWASHER, 3/8"
5	70637861	1	END, range selector rod

(Continued)

SPEED CONTROL LINKAGE

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	2	ROD, connecting
	70911048	4	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	2	CAPSCREW, 3/8"NF x 1-1/2" (upper ends)
	70904206	4	LOCKWASHER, 3/8"
	70911041	4	NUT, 3/8"NF
15	70642691	1	LEVER, valve rotor
	70905123	1	KEY, #9 woodruff, 3/16" x 3/4"
16	70046419	1	CAPSCREW, 3/8"NF x 2"
	70904206	1	LOCKWASHER, 3/8"
	70911041	1	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	1	SHAFT, pivot, lever
	70919761	1	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	1	PIN, pivot, safety switch lever
	70900801	1	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)	
	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
	70660552	-	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	} First type Oil Filler Tractors prior to #14145
19	70034269	1	1	GASKET, oil filler plug	
20	70034268	1	1	PLUG, oil filler pipe	
21	70648605	1	1	GAUGE, oil level	
22	70034265	1	1	CAP, oil filler pipe	

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MAIN HOUSING (Continued)

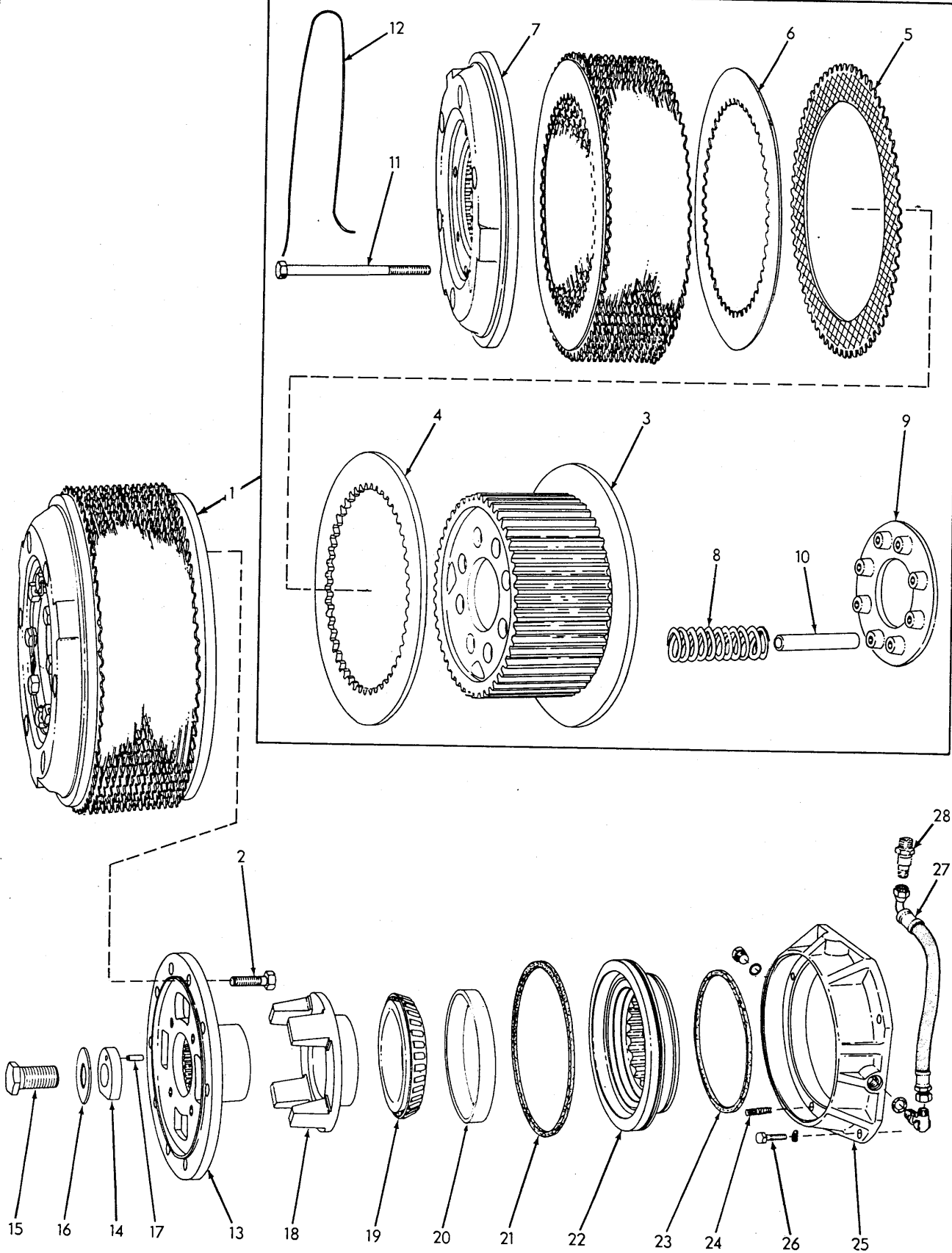
ITEM	PART NO.	QTY.		DESCRIPTION	
		*	**		
23	70671038	-	1	TUBE, oil filler	} Second type Oil Filler. Tractors #14145 and up
	70919224	-	2	CAPSCREW, 3/8"NC x 1-1/8"	
	70904206	-	2	LOCKWASHER, 3/8"	
24	70655875	-	1	GASKET, oil filler tube	
25	70667558	-	1	GAUGE, oil level	
26	70633520	2	-	PLATE, cover, 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	2	2	GUARD, track sprocket, upper (Medium-duty)
	70647952	2	2	GUARD, track sprocket, upper (Heavy-duty reinforced type)
52	70035073	8	8	CAPSCREW, 1/2"NF x 1-3/4"
	70904208	8	8	LOCKWASHER, 1/2"
	70911043	8	8	NUT, 1/2"NF
53	70644294	2	2	GUARD, track sprocket, lower (Medium-duty)
	70647953	1	1	GUARD, track sprocket, lower left
	70647954	1	1	GUARD, track sprocket, lower right
				} Heavy-duty reinforced type
54	70035073	8	8	CAPSCREW, 1/2"NF x 1-3/4"
	70904208	8	8	LOCKWASHER, 1/2"
	70911043	8	8	NUT, 1/2"NF

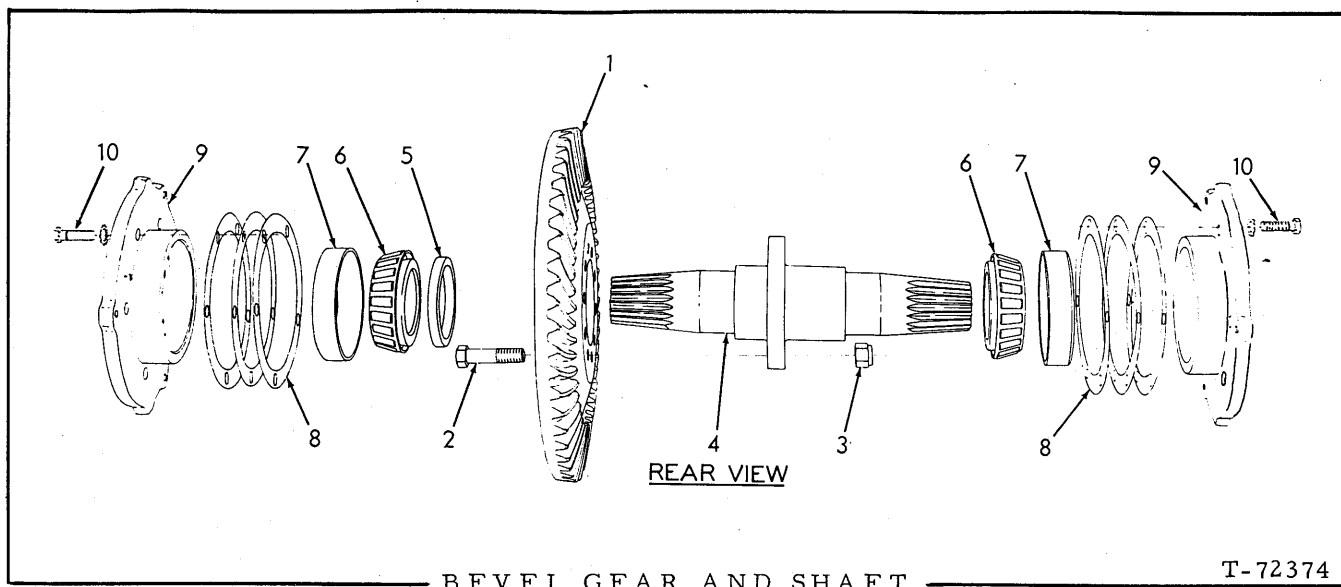


STEERING CLUTCHES

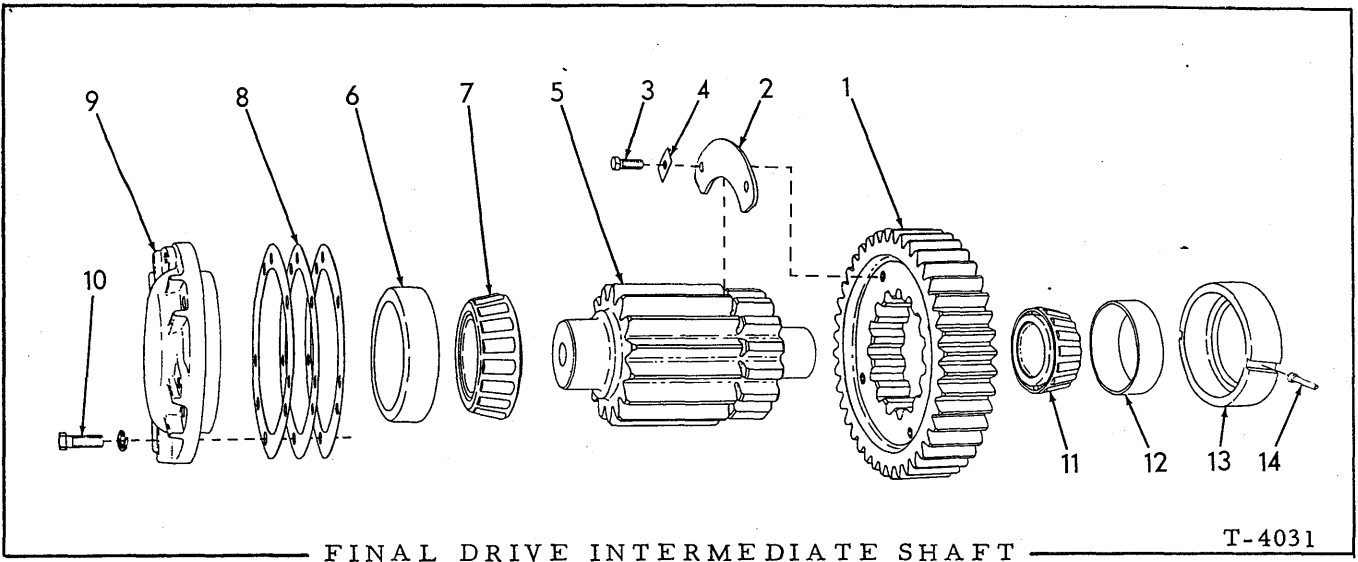
T-41894

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
26	70921573	2	PLUG, hex-hd., 3/4"NF (Includes O-RING 70921349)
	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)



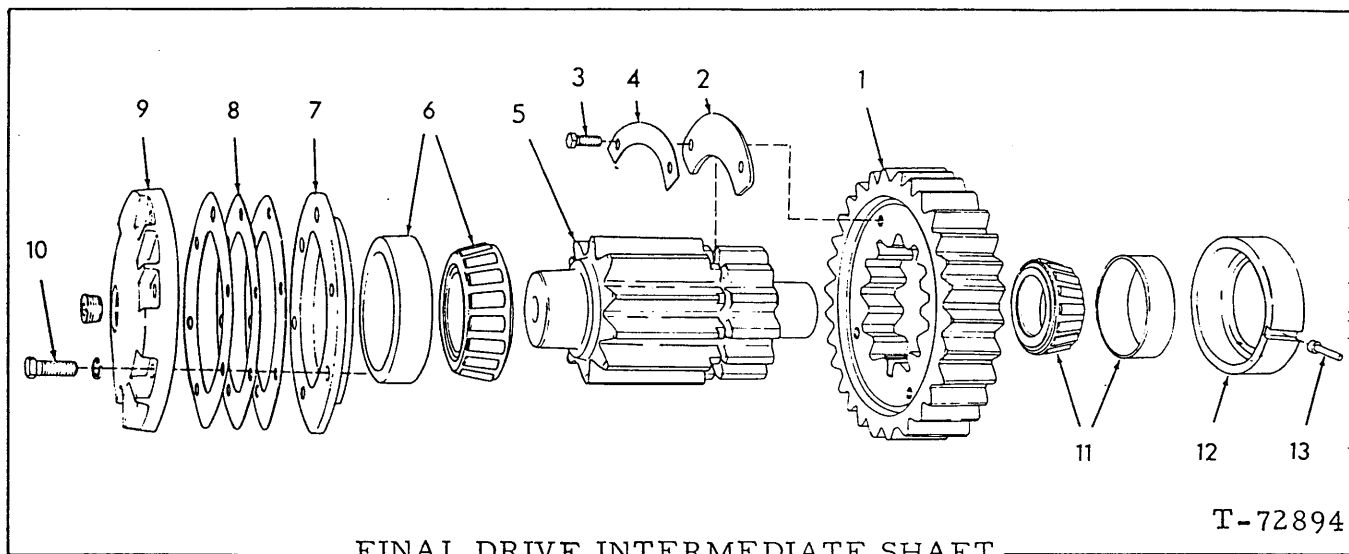
ITEM	PART NO.	QTY.	DESCRIPTION
1	70627325	1	GEAR, bevel (50 teeth, right-hand spiral)(Tractors prior to #11428)
	70620752	1	GEAR, bevel (50 teeth, left-hand spiral)(Tractors #11428 thru #13106)
	70659392	1	GEAR, bevel (41 teeth)(Tractors #13107 and up)
2	70067680	10	BOLT, 5/8"NF x 2-3/4"
3	70645320	10	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)
Use as required			
9	70659493	2	CAGE, bearing
10	70916028	10	CAPSCREW, 1/2"NC x 1-3/4"
	70910210	10	LOCKWASHER, external teeth, 1/2"



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, cap screw	
5	70642640	2	PINION (15 teeth)	
6	70069328	2	CUP, outer bearing	
7	70069441	2	CONE ASSEMBLY, outer bearing	
8	70093250	4	SHIM, bearing adjustment (.005" thick)	Use as required
	70093249	4	SHIM, bearing adjustment (.007" thick)	
	70093248	14	SHIM, bearing adjustment (.010" thick)	
9	70093256	2	CAGE, outer bearing	
10	70023465	10	CAPSCREW, 5/8"NF x 1-3/4"	
	70904209	10	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	



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 2	GEAR (30 teeth)(Not used on tractors #12955 thru #12962)
	70642642	- 2	GEAR (40 teeth)(Tractors #12955 thru #12962 only)
2	70655631	4 4	LOCK, gear retaining (Not used on tractors #12955 thru #12962)
	70056508	- 4	LOCK, gear retaining (Tractors #12955 thru 12962 only)
3	70035439	8 8	CAPSCREW, 3/8"NC x 1"
4	70655632	4 4	□LOCK, capscrow (Not used on tractors #12955 thru 12962)
	70052444	- 8	LOCK, capscrow (Tractors #12955 thru #12962 only)
5	70655630	2 2	PINION (12 teeth)(Not used on tractors #12955 thru #12962)
	70642640	- 2	PINION (15 teeth)(Tractors #12955 thru 12962 only)
6	70681367	2 2	□CUP AND CONE ASSY. (Consist of matched Cup and Cone)
7	70655626	2 -	CAGE, outer bearing
	70658834	- 2	CAGE, outer bearing
8	70655625	4 -	SHIM, bearing adjustment (.005" thick)
	70658838	- 4	□SHIM, bearing adjustment (.005" thick)
	70655624	4 -	SHIM, bearing adjustment (.007" thick)
	70658839	- 4	□SHIM, bearing adjustment (.007" thick)
	70655623	14 -	SHIM, bearing adjustment (.010" thick)
	70658840	- 14	□SHIM, bearing adjustment (.010" thick)
9	70655622	2 -	RETAINER, outer bearing
	70658837	- 2	RETAINER, outer bearing
	70901666	2 2	PLUG, pipe, ctsk-hd., 1"NPT
10	70023465	10 12	CAPSCREW, 5/8"NF x 1-3/4"
	70904209	10 12	LOCKWASHER, 5/8"
11	70681375	2 2	□CUP AND CONE ASSY. (Consist of matched Cup and Cone)

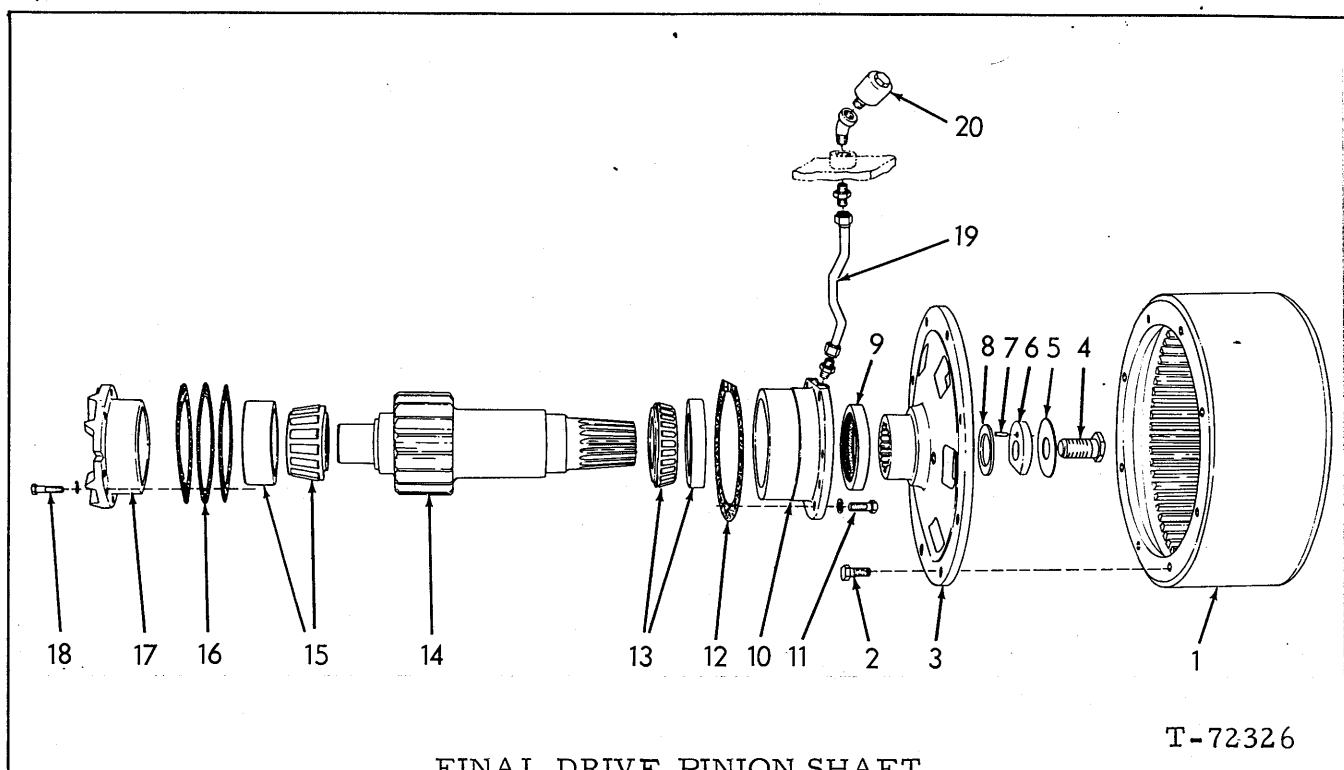
Use as
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(Continued)

FINAL DRIVE INTERMEDIATE SHAFT (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
12	70084297	2 2	CAGE, inner bearing
13	70089320	2 2	PIN, locking, inner bearing cage
14	73113810	- 1	REPAIR KIT (Includes items 4, 6, 8 and 11) (Sufficient quantity for one side only)

☐ Components of item 14



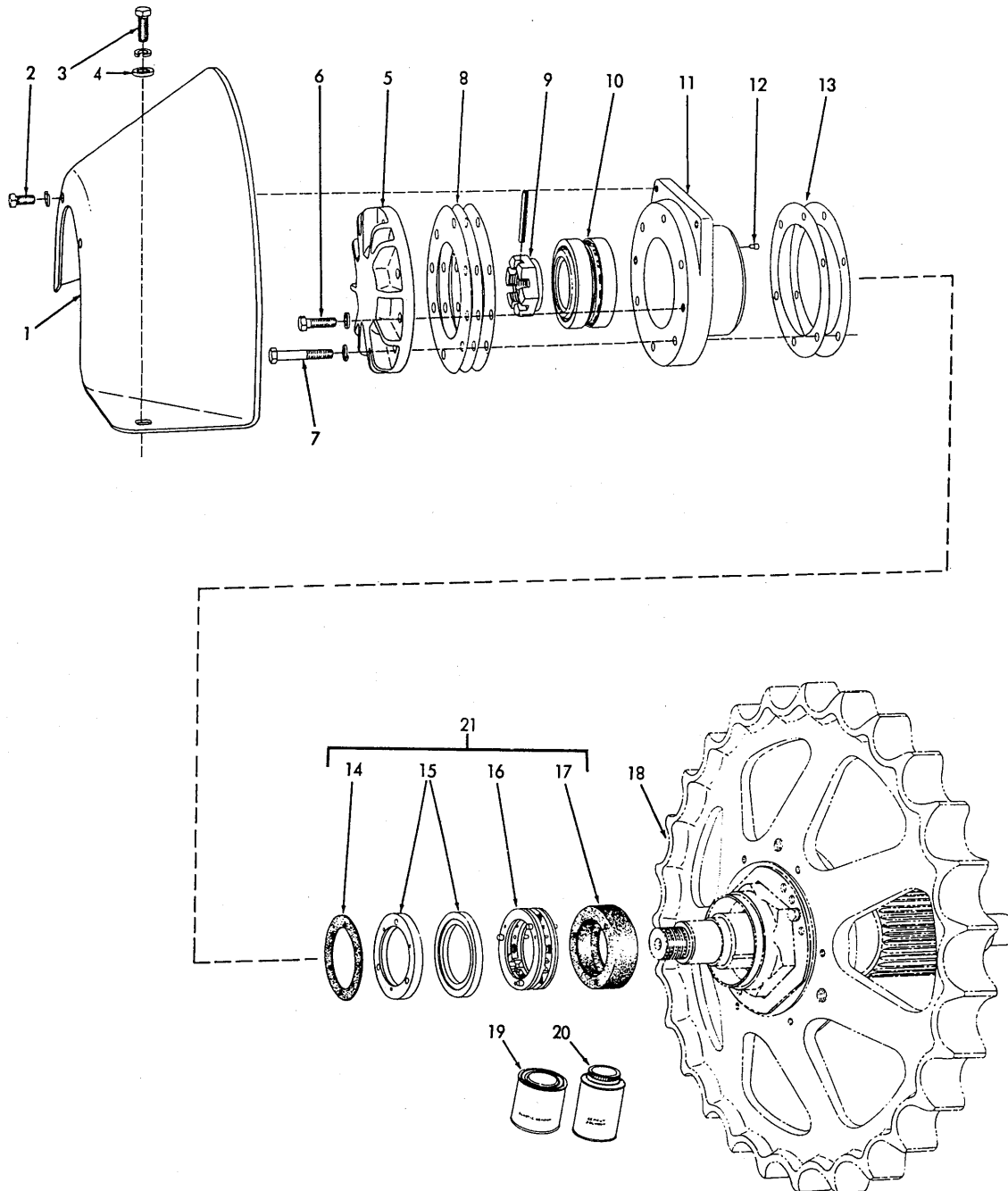
ITEM	PART NO.	QTY.	DESCRIPTION
1	70631316	2	DRUM, brake
2	70650835	16	BOLT, self-locking, 1/2"NC x 1"
3	70624559	2	HUB, brake drum
4	70630045	2	CAPSCREW, hub retaining (Used prior to tractor #13382)(Original equipment)
	70663117	2	CAPSCREW, hub retaining (self-locking)(Effective with tractor #13382)(Original equipment)
	70684479	2	CAPSCREW, hub retaining
	70684480	2	LOCK, hub retaining capscREW
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	☐ CUP AND CONE (Consists of matched Cup and Cone)
16	70084905	4	☐ SHIM, bearing adjustment (.005" thick)
	70084904	4	☐ SHIM, bearing adjustment (.007" thick)
	70084903	14	☐ SHIM, bearing adjustment (.010" thick)
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	CONNECTOR, flare type, 5/16" tube, 1/8"NPT male
	70650128	2	TUBE ASSY., vent (Includes nuts)(Effective with tractor #11245)
	70919171	4	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
20	70050748	2	BREATHER
	70910149	2	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)

☐ Components of item 21



FINAL DRIVE OUTBOARD BEARING AND SEAL

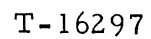
T-16298

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)
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	□ PIN, outer seal ring
13	70069080	12	SHIM, outboard bearing cage (.015" thick. Use as required)
14	70069106	2	□ GASKET, seal ring
15	70081787	4	□ RING, outer seal
16	70084337	2	□ FOLLOWER ASSY., outer seal (Serviced only as a unit)
17	70058814	2	□ BOOT, outer seal
18	-----	-	SPROCKET (See page 209)
19	70033288	-	CEMENT, neoprene, 1/2 pint can
20	70054890	-	SOLVENT, neoprene cement, 1/2 pint can
21	70091972	2	SEAL KIT (Items 12, 14, 15, 16, 17; includes parts for one (1) side only)

□ Components of item 21

(Revised May 1979)



(Revised May 1979)

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	ΔLOCK, capscrew
5	70084289	2 2	CAGE, inner bearing cup
6	70091571	2 2	COVER, inner bearing
7	70923817	2 2	ΔO-RING, inner bearing cover
8	70049918	2 2	ΔWASHER, 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	ΔCUP AND CONE ASSY. (Consist of matched Cup and Cone)
12	70622135	2 2	SHAFT, sprocket
13	70681373	2 2	ΔCUP AND CONE ASSY. (Consist of matched Cup and Cone)
15	70056971	8 8	ΔSHIM, bearing adjustment (.005" thick)
	70056970	6 6	ΔSHIM, bearing adjustment (.007" thick)
	70056969	24 24	ΔSHIM, 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)
	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

Use as required

Standard type

(Continued)

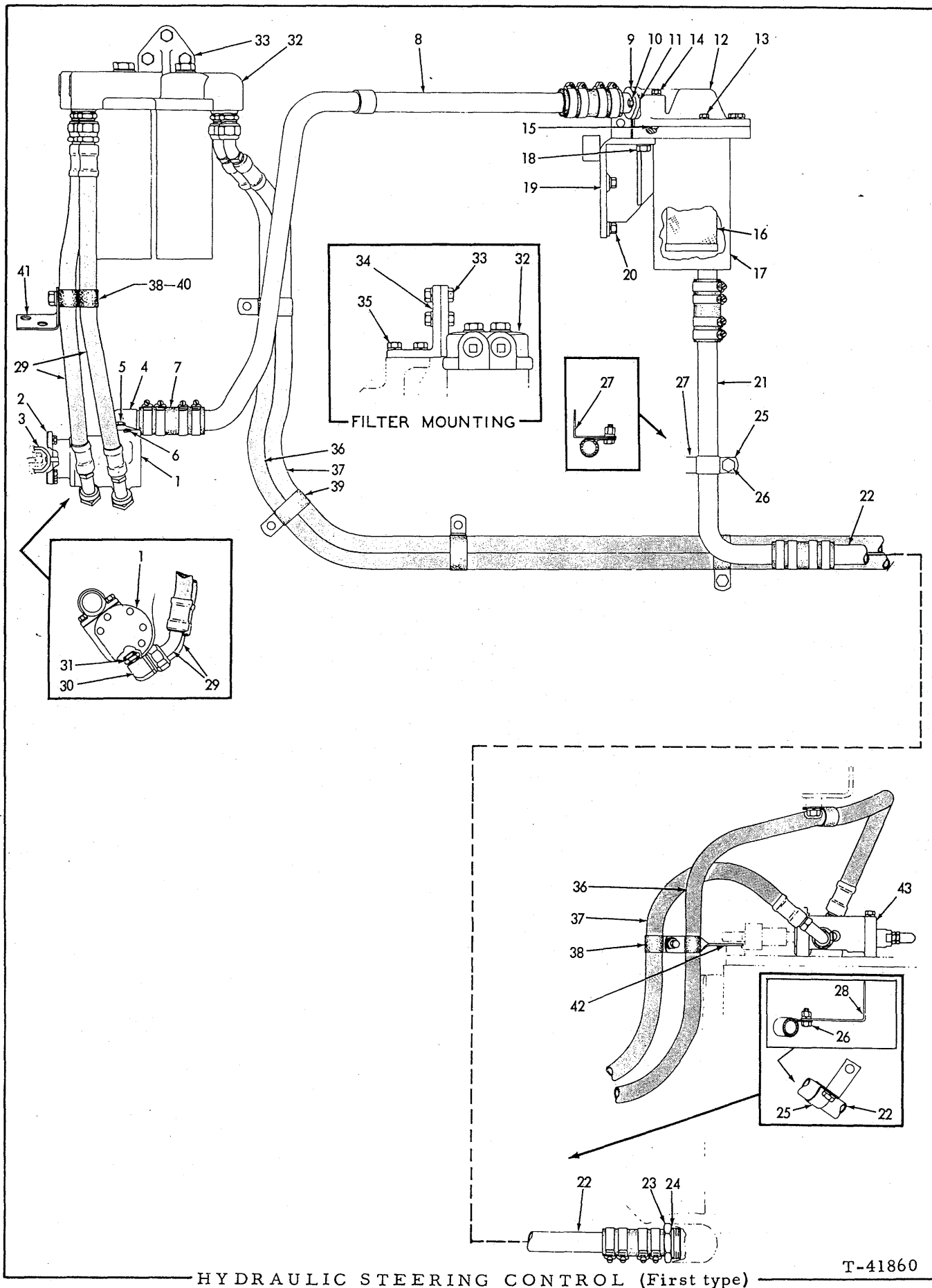
FINAL DRIVE SPROCKET, SHAFT AND GEAR (Continued)

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

MEMO



HYDRAULIC STEERING CONTROL

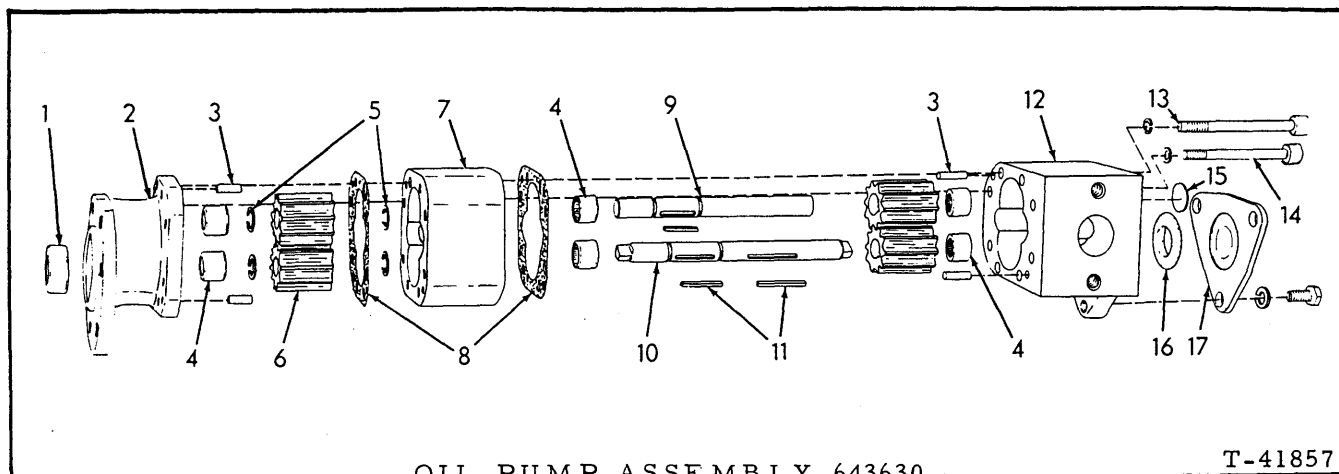
USAGE: Tractors prior to serial No. 12201

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

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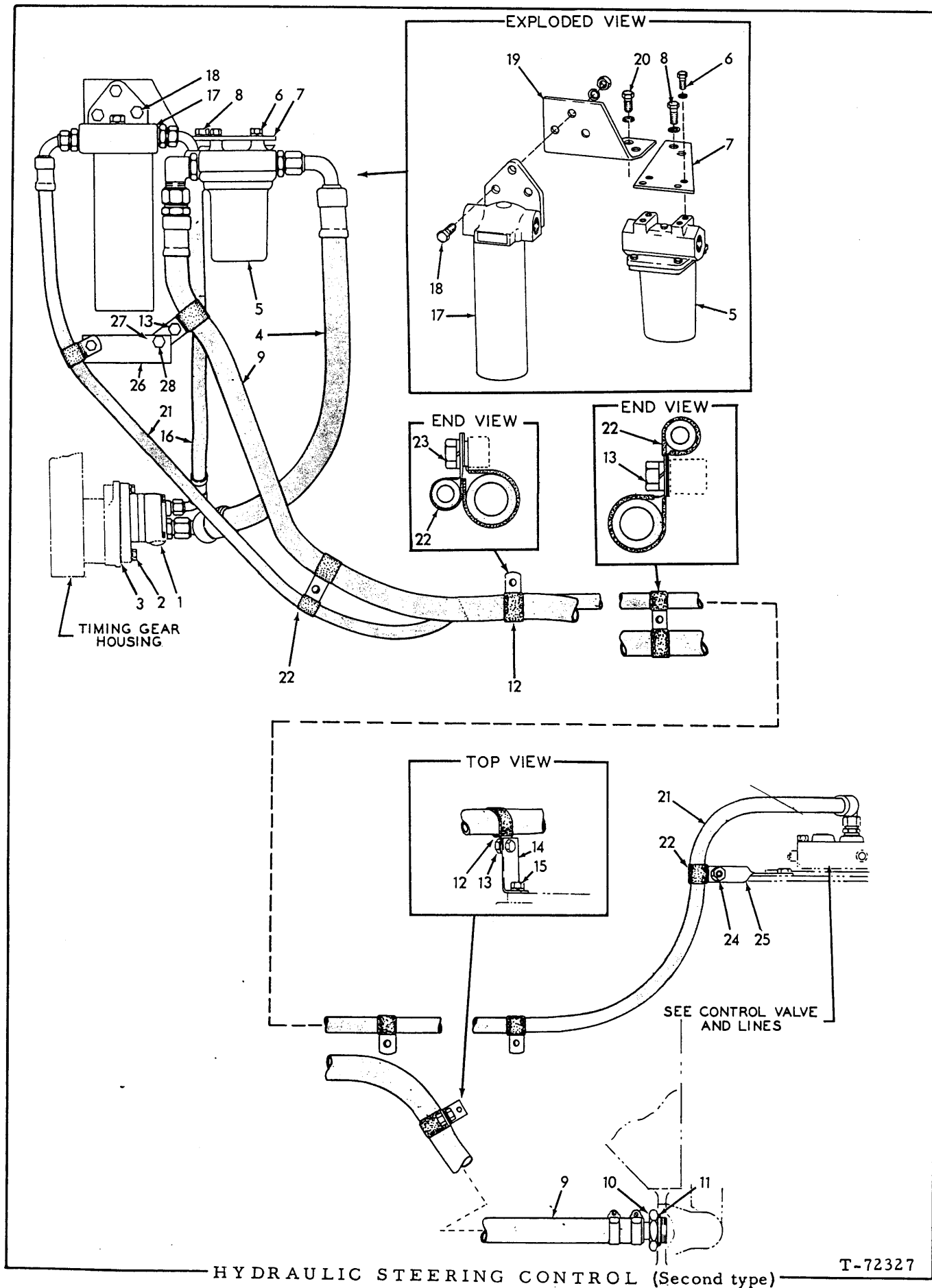
HYDRAULIC STEERING CONTROL (Continued)

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



USAGE: See page 213

ITEM	PART NO.	QTY.	DESCRIPTION
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)

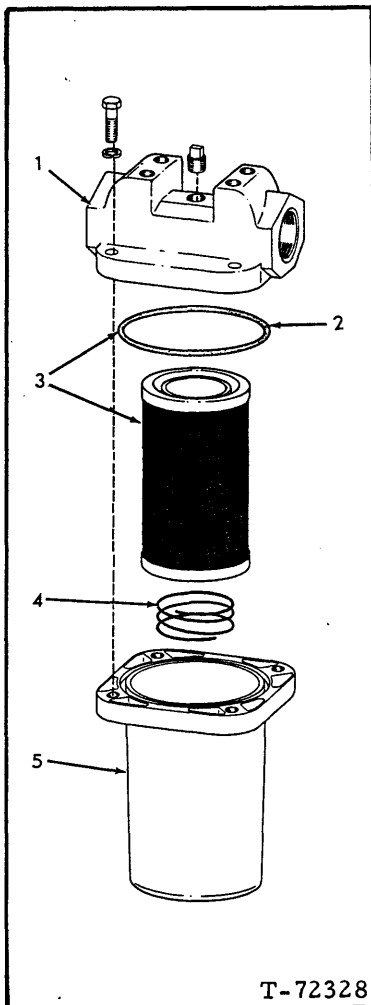
(Continued)

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

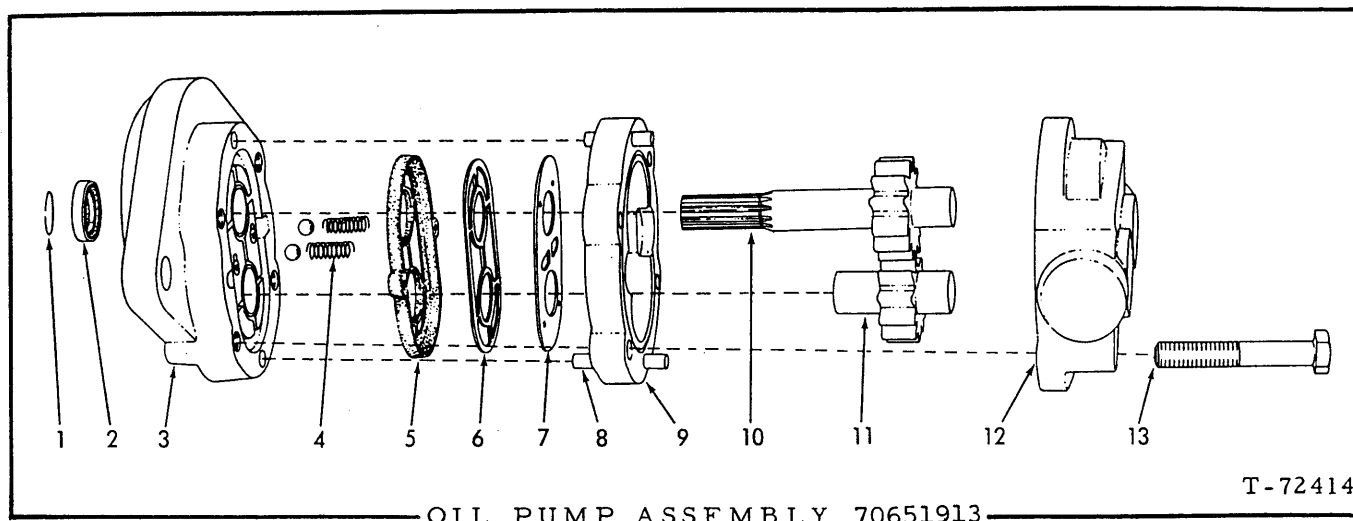
OIL STRAINER ASSEMBLY 70651388

USAGE: See page 217



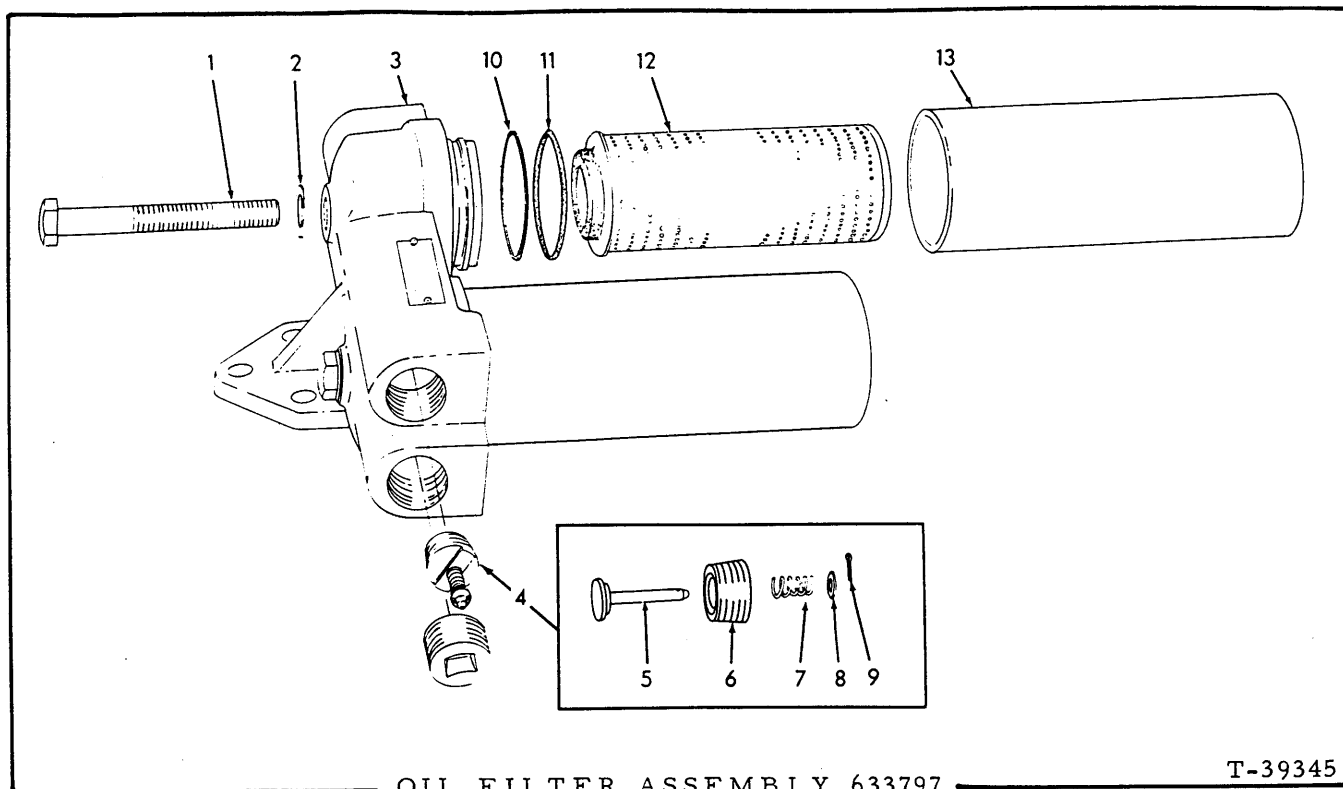
ITEM	PART NO.	QTY.	DESCRIPTION
1	70651387	1	HEAD ASSEMBLY (Includes PLUG indented below)
	70901651	1	PLUG, pipe, 1/8"NPT
	70905657	4	CAPSCREW, 1/4"NC x 1"
	70906958	4	LOCKWASHER, 1/4"
2	70651385	1	O-RING, body
3	70651506	1	ELEMENT KIT (Includes item 2)
4	70651384	1	SPRING, element
5	70651373	1	BODY, oil strainer

T-72328



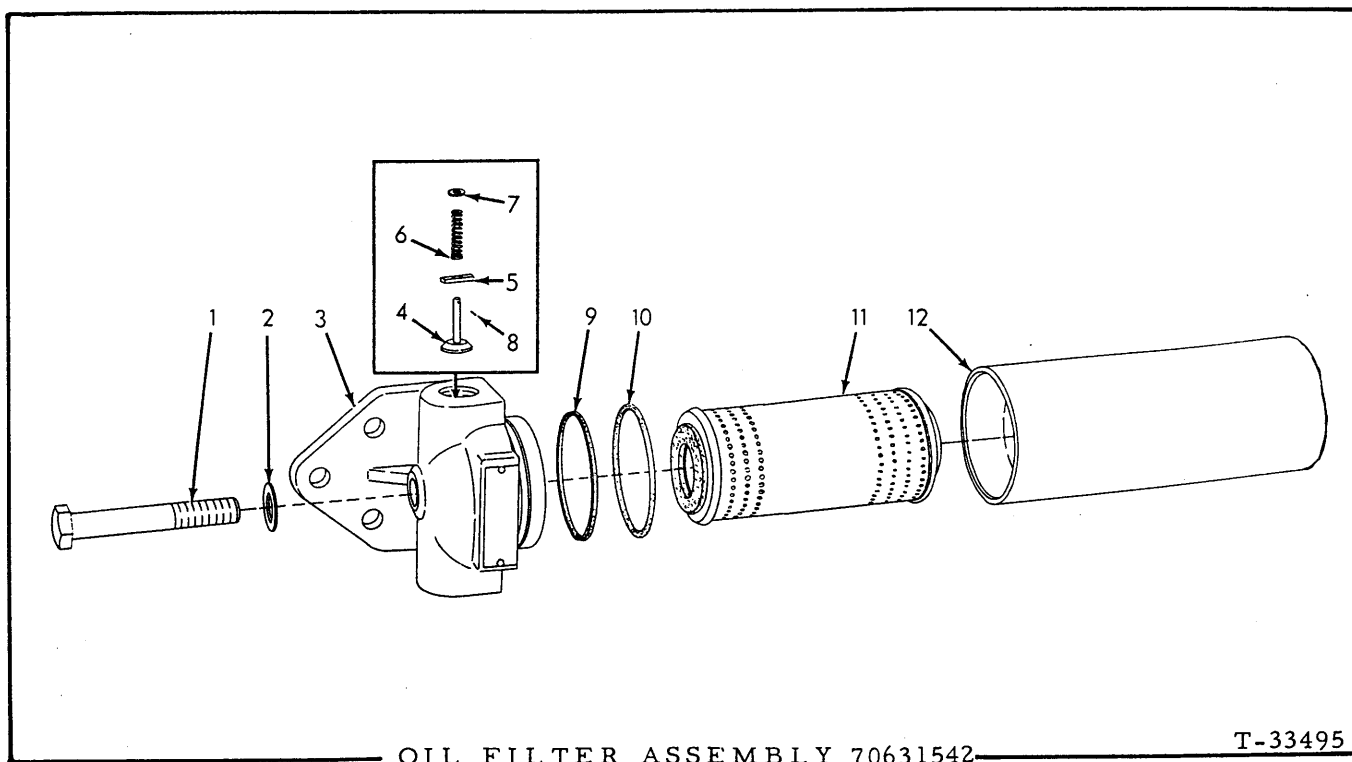
USAGE: See page 217

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	2	SPRING, check valve
	70915903	2	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"



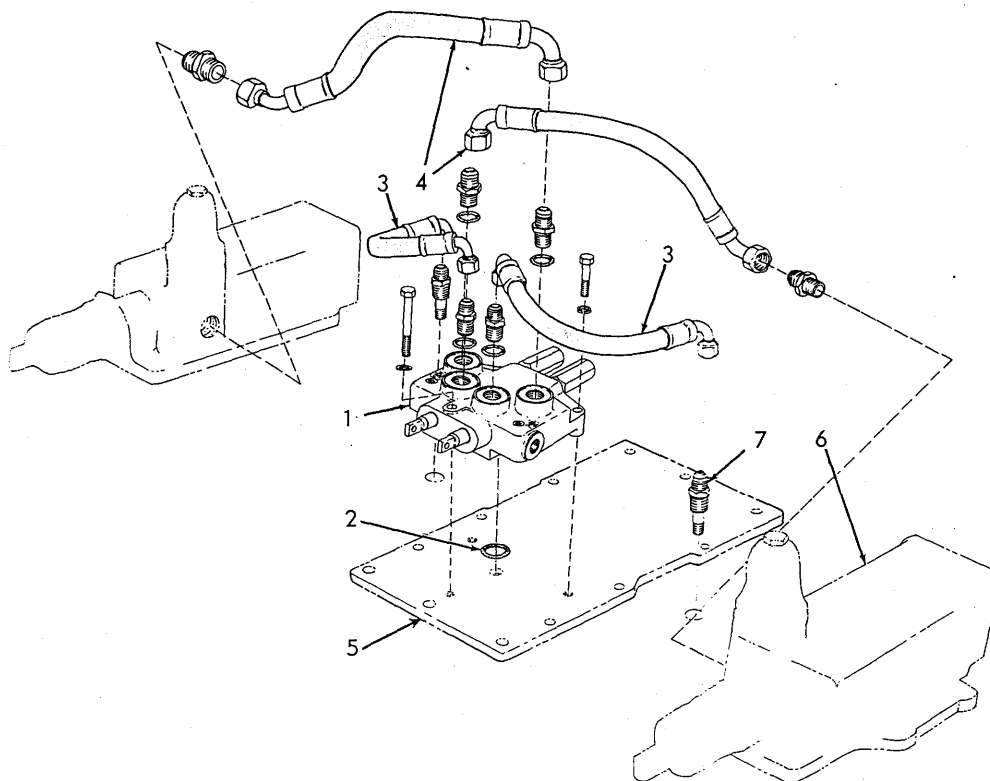
USAGE: See page 213

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 2	HEAD 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 2	SPRING, by-pass valve (1-1/4" long)(Early units) SPRING, by-pass valve (1-7/16" long)(Late units)
8	70632060	2	WASHER, by-pass valve spring
9	{ 70632061 70900970	2 2	RING, snap, by-pass valve (Early units) 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



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



CONTROL VALVE AND LINES

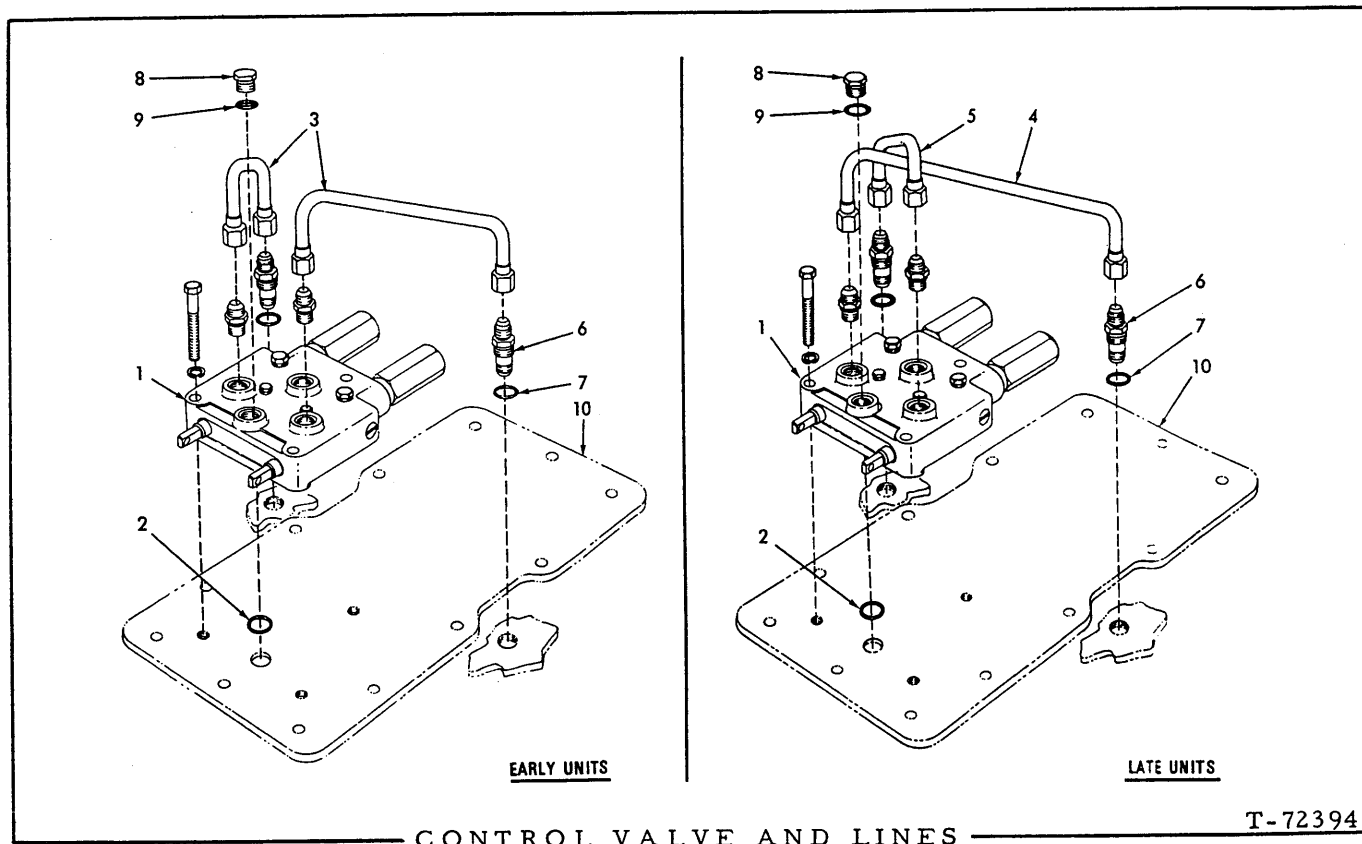
T-41858

USAGE: Tractors prior to serial No. 12201

* Tractors prior to serial No. 11637

** Tractors serial No. 11637 thru No. 12200

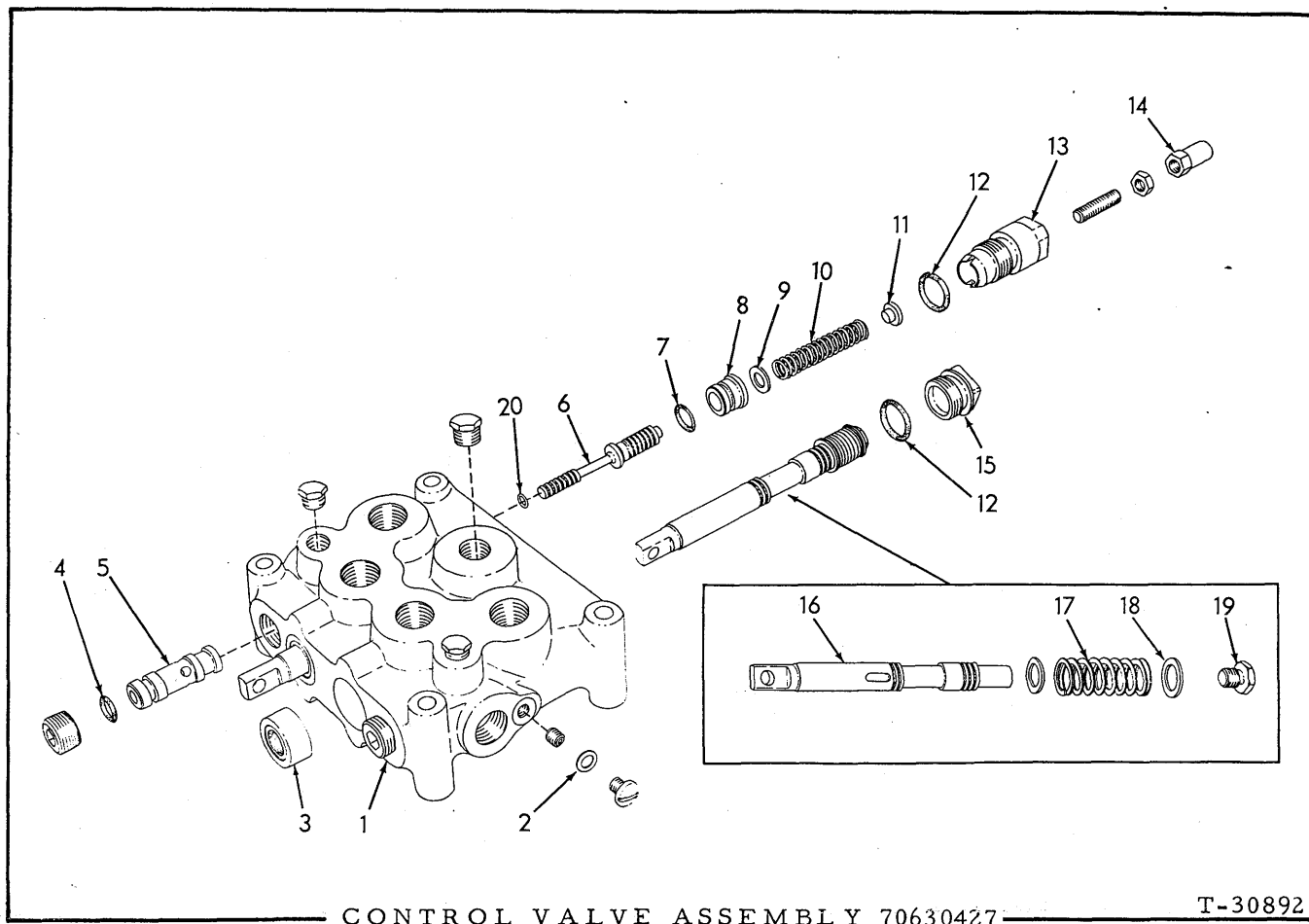
ITEM	PART NO.	QTY. * **	DESCRIPTION
1	70630427	1 -	VALVE ASSEMBLY ("Hydrec". See page 224 for parts)
	70042265	2 -	CAPSCREW, 3/8"NF x 3-1/4"
	70041911	2 -	CAPSCREW, 3/8"NF x 3-1/2"
	70904206	4 -	LOCKWASHER, 3/8"
	70911115	2 -	WASHER, plain, SAE std., 3/8"
	70651432	- 1	VALVE ASSEMBLY ("Cessna". See page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



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	1	VALVE ASSEMBLY ("Cessna". See page 227 for parts)
	70916388	3	3	CAPSCREW, 3/8"NF x 2-3/4"
	70904206	3	3	LOCKWASHER, 3/8"
2	70923947	1	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	-	1	TUBE ASSEMBLY, left clutch (Includes nuts)
	70921409	-	1	CONNECTOR, flare type, 1/2" tube, 3/4"NF male end (Includes O-RING 70921349)
5	70659960	-	1	TUBE ASSEMBLY, right clutch (Includes nuts)
	70921409	-	1	CONNECTOR, flare type, 1/2" tube, 3/4"NF male end (Includes O-RING 70921349)
6	70651893	2	2	UNION, bulkhead
7	70921206	2	2	O-RING, bulkhead union
8	70921573	1	1	PLUG, valve housing (Includes item 9)
9	70921349	1	1	O-RING, valve housing plug
10	-----	-	-	COVER, bevel gear compartment



CONTROL VALVE ASSEMBLY 70630427

T-30892

USAGE: See page 222

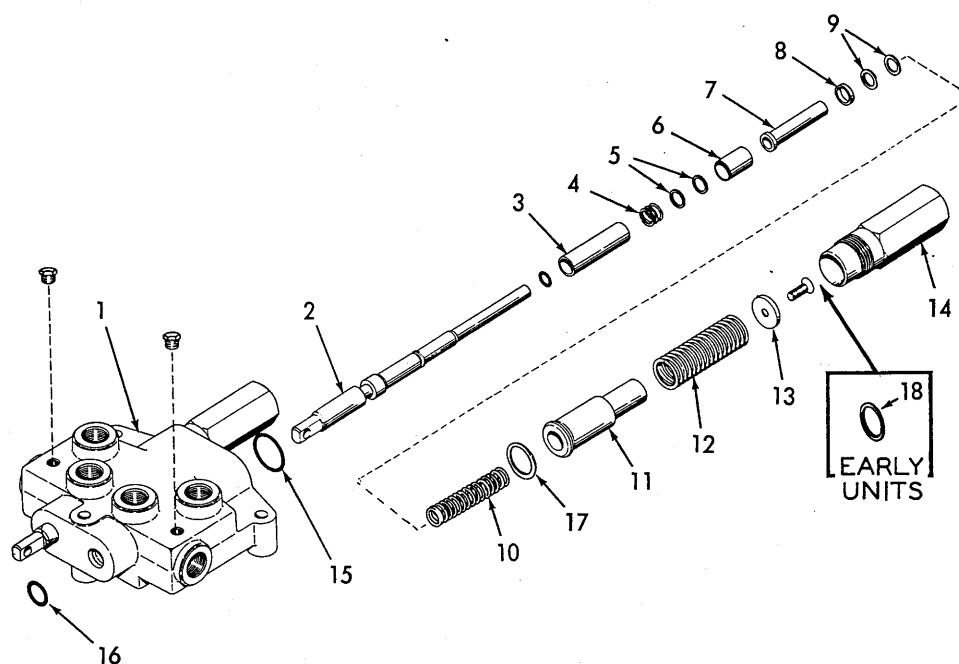
ITEM PART NO. QTY. DESCRIPTION

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	2	CAP, relief valve adjustment
	70921303	2	SETSCREW, oval-pt., 3/8"NF x 1-1/2"
	70911048	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



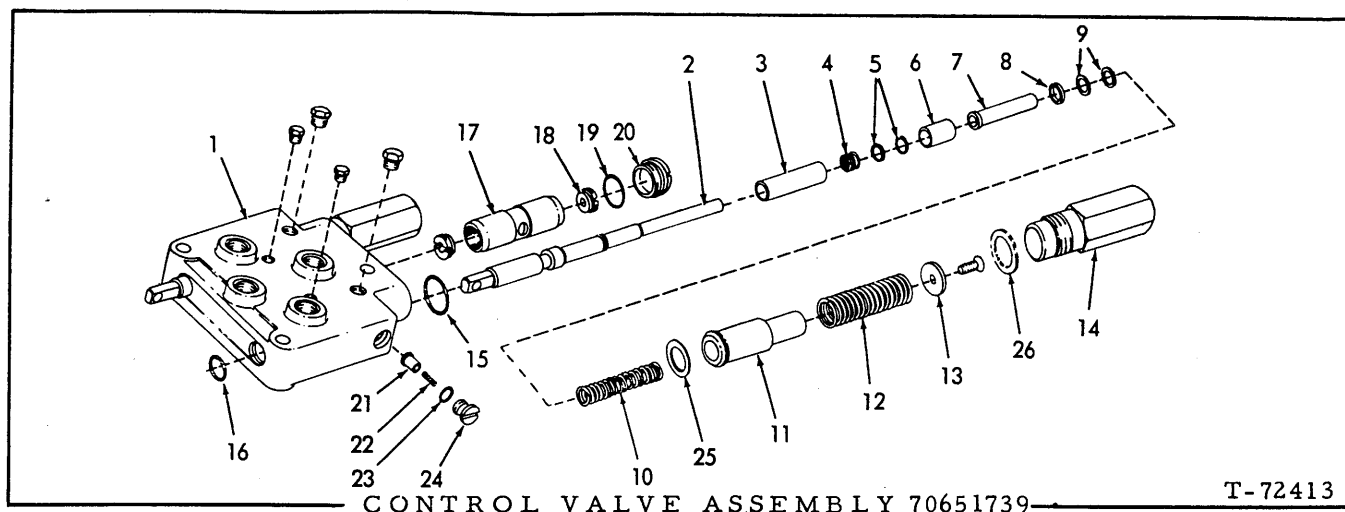
CONTROL VALVE ASSEMBLY 70651432

T-72040

USAGE: See page 222

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	BODY (Not serviced separately)
	70919134	2	PLUG, pipe, hex-hd., 1/8"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)
	{ 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



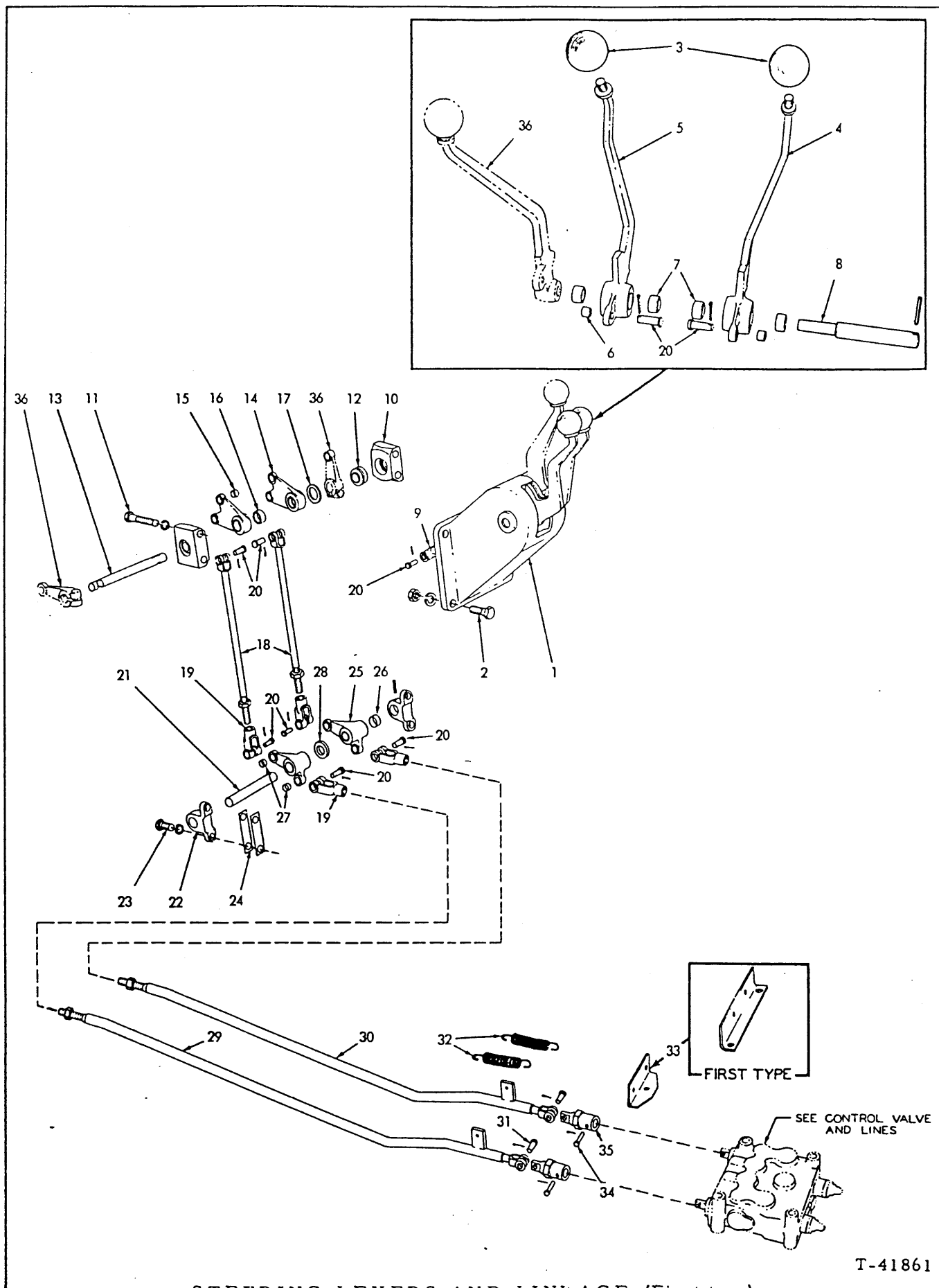
USAGE: See page 223

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

USAGE: Tractors prior to serial No. 12201

ITEM	PART NO.	QTY.	DESCRIPTION
1	70633659	1	BRACKET, steering lever (Tractors prior to #11637)
	70651738	1	BRACKET, steering lever (Tractors #11637 and up)
2	70614478	4	CAPSCREW, 1/2"NF x 1-3/8"
	70904208	4	LOCKWASHER, 1/2"
	70911043	4	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	1	SHAFT, steering levers
	70915989	1	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	4	CAPSCREW, 3/8"NF x 2-1/4"
	70904206	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	2	ROD, vertical
	70911041	2	NUT, 3/8"NF
19	70628736	4	YOKE, control rod
20	70078810	10	PIN, control linkage yokes
	70900801	10	PIN, cotter, 3/32" x 3/4"
21	70633628	1	SHAFT, lower
	70915751	1	PIN, spring, 3/16" x 1-1/2"
22	70633607	2	BLOCK, pillow, lower shaft
23	70036034	4	CAPSCREW, 3/8"NF x 1"
	70904206	4	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)

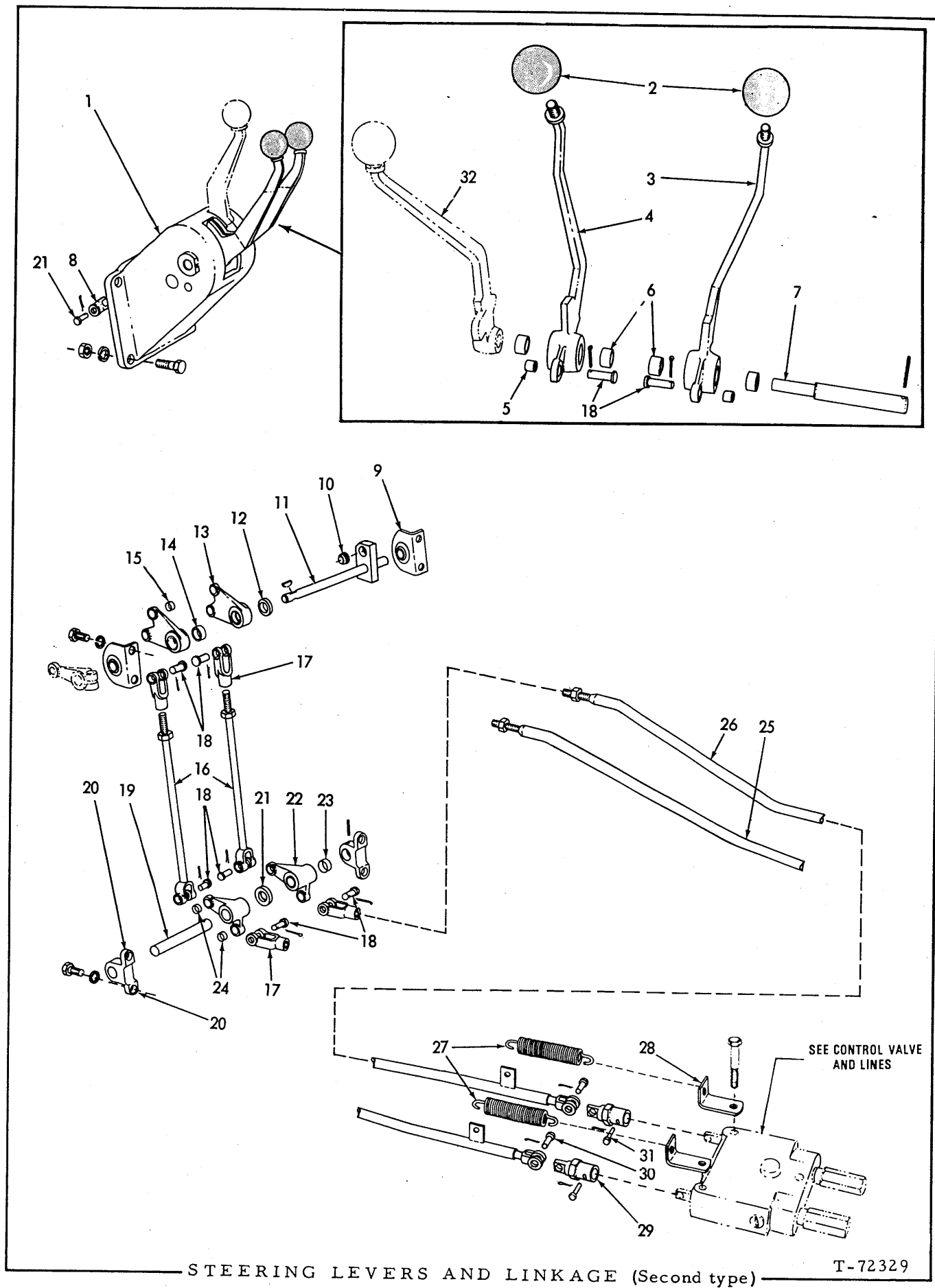
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STEERING LEVERS AND LINKAGE (Continued)

USAGE: Tractors prior to serial No. 12201

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

USAGE: Tractors serial No. 12201 thru 13366

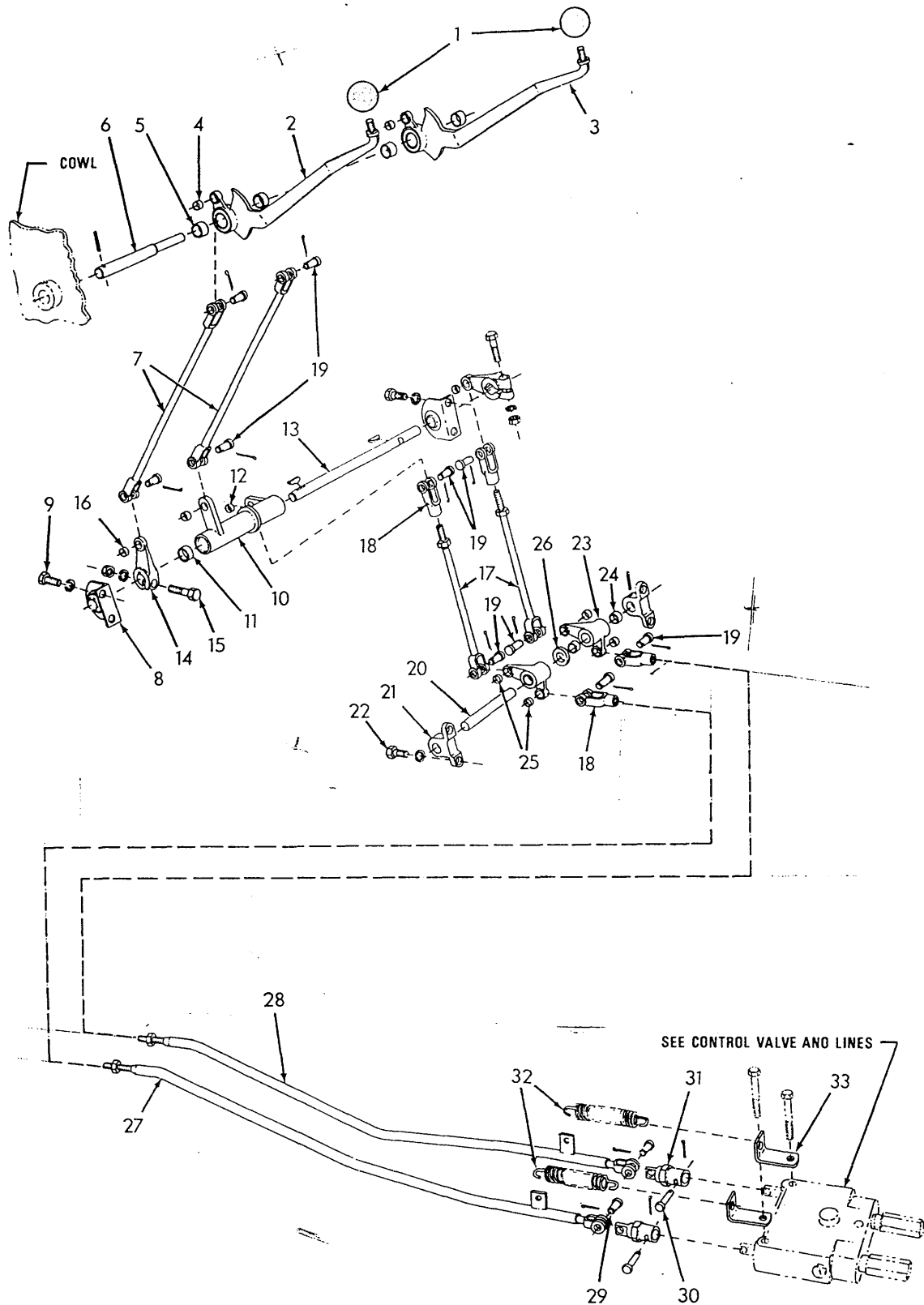
ITEM	PART NO.	QTY.	DESCRIPTION
1	70650750	1	BRACKET, steering lever
	70614478	4	CAPSCREW, 1/2"NF x 1-3/8"
	70904208	4	LOCKWASHER, 1/2"
	70911043	4	NUT, 1/2"NF
2	70090020	2	KNOB, steering lever
3	70630847	1	LEVER ASSEMBLY, steering, left (Includes items 5 and 6)
4	70630848	1	LEVER ASSEMBLY, steering, 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)

MEMO



STEERING LEVERS AND LINKAGE (Third type)

T-74935

STEERING LEVERS AND LINKAGE

USAGE: Tractors serial No. 13367 and up

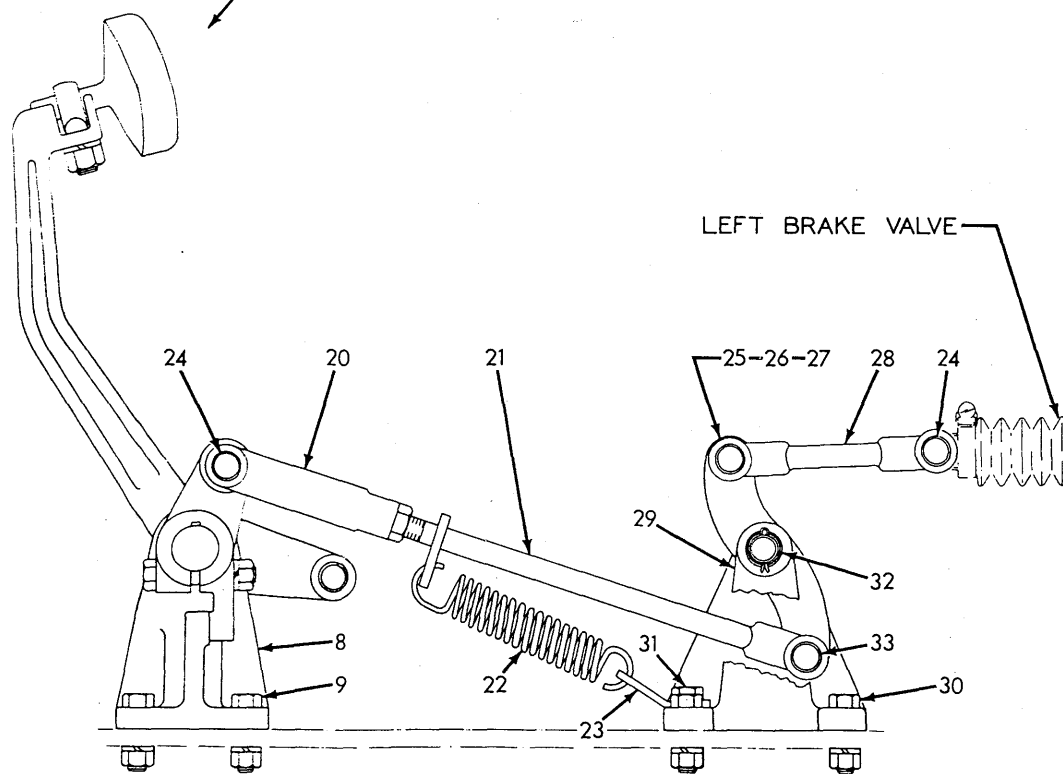
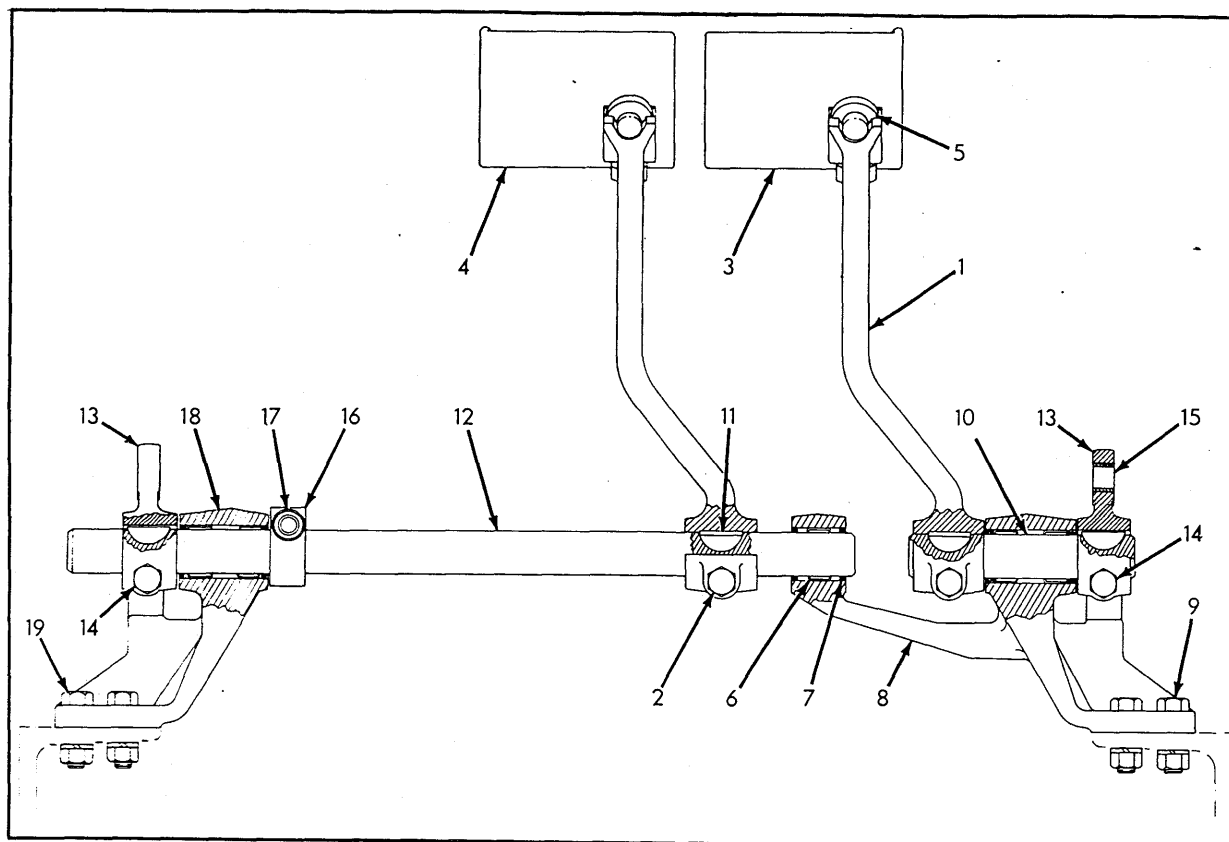
ITEM	PART NO.	QTY.	DESCRIPTION
1	70090020	2	KNOB, steering lever
2	70657847	1	LEVER ASSEMBLY, steering, left (Includes items 4 and 5)
3	70657848	1	LEVER ASSEMBLY, steering, right (Includes items 4 and 5)
4	70624584	2	BUSHING, steering lever (small)
5	70630795	4	BUSHING, steering lever (large)
6	70629716	1	SHAFT, steering levers
	70915989	1	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	4	CAPSCREW, 3/8"NF x 3/4"
	70904206	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	1	SHAFT, cross, upper
	70905123	2	KEY, #9 woodruff, 3/16" x 3/4"
14	70630836	2	LEVER ASSEMBLY, upper cross shaft, outer (Includes item 16)
15	70046419	2	CAPSCREW, 3/8"NF x 2"
	70904206	2	LOCKWASHER, 3/8"
	70911041	2	NUT, 3/8"NF
16	70624584	2	BUSHING, outer lever
17	70657855	2	ROD, vertical
	70911041	2	NUT, 3/8"NF
18	70628736	4	YOKE, control rod
19	70078810	10	PIN, control linkage yokes
	70900801	10	PIN, cotter, 3/32" x 3/4"
20	70633628	1	SHAFT, cross, lower
	70915751	1	PIN, spring, 3/16" x 1-1/2"
21	70633607	2	BLOCK, pillow, lower cross shaft
22	70036034	4	CAPSCREW, 3/8"NF x 1"
	70904206	4	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	1	ROD, horizontal, left
	70911041	1	NUT, 3/8"NF
28	70651922	1	ROD, horizontal, right
	70911041	1	NUT, 3/8"NF
29	70627451	2	PIN, control rod, rear
	70900801	2	PIN, cotter, 3/32" x 3/4"
30	70630833	2	PIN, retaining, over-travel
	70900801	2	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



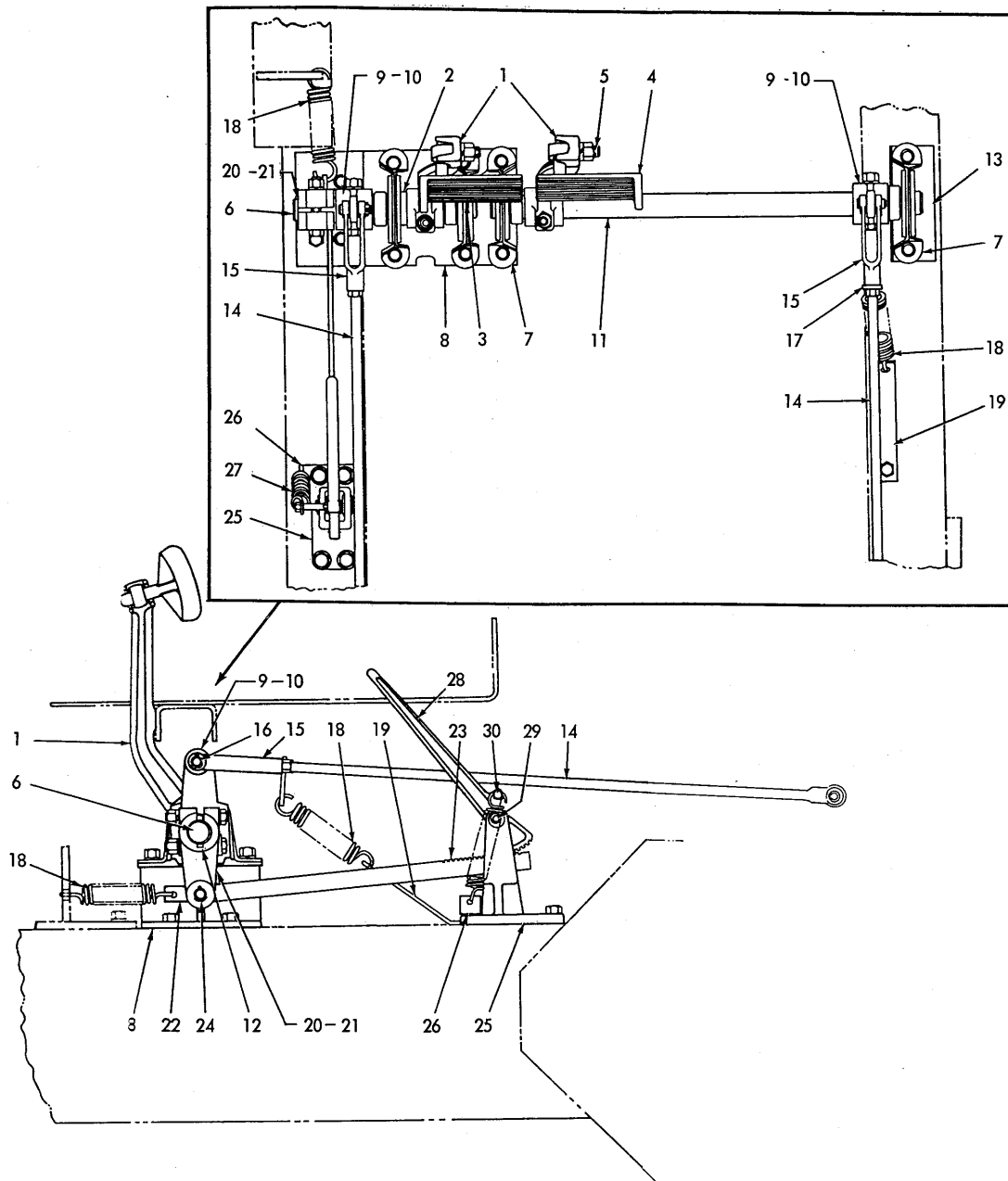
— BRAKE CONTROL (First type) —

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	YOKE, 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

BRAKE CONTROL

USAGE: Tractors serial No. 12201 and up

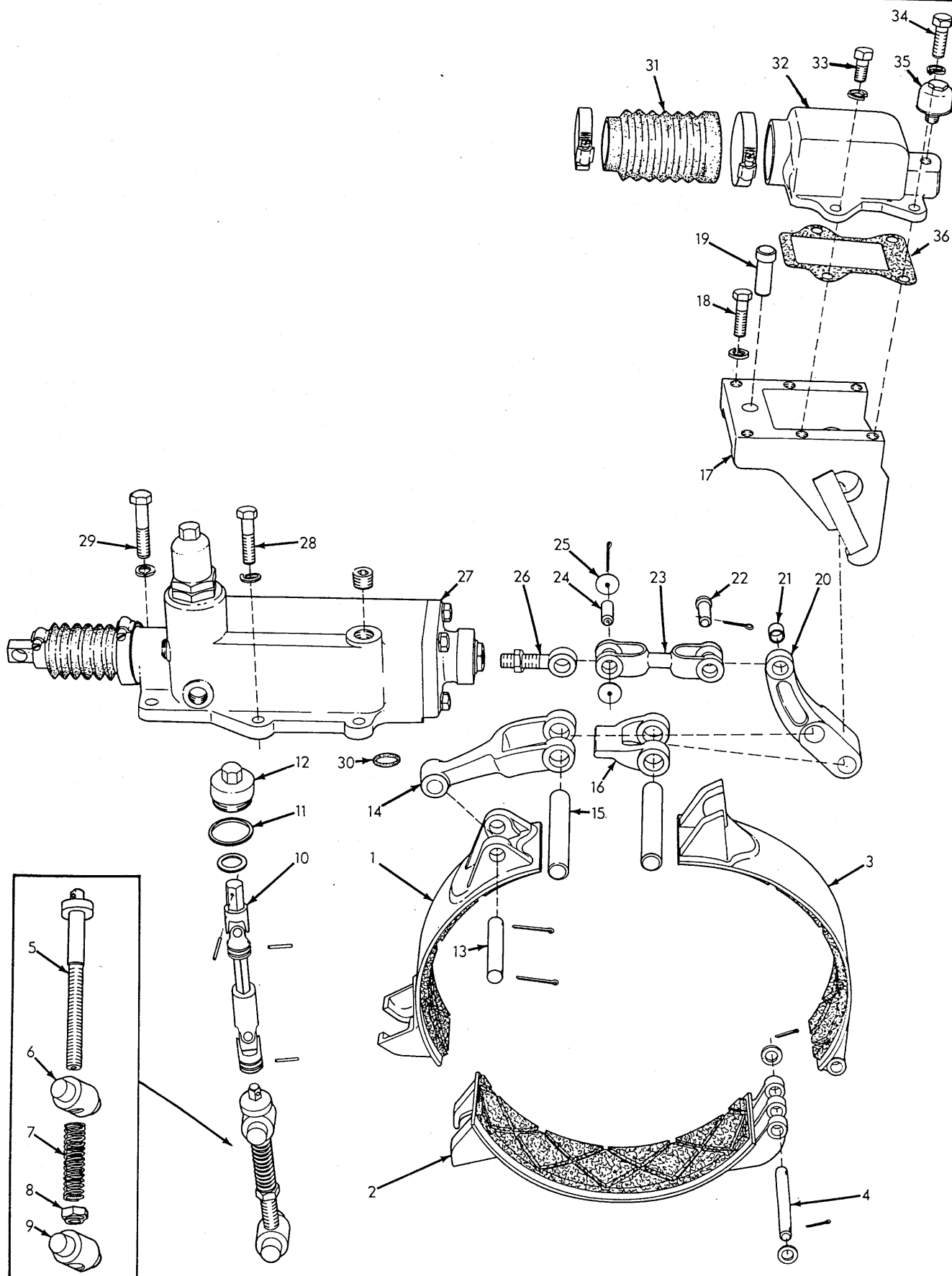
ITEM	PART NO.	QTY.	DESCRIPTION
1	70650044	2	LEVER, pedal
	70035278	2	CAPSCREW, 1/2"NF x 2-3/4"
	70904208	2	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF
2	70912832	1	WASHER, spacing, left pedal
3	70623151	1	PAD, left pedal
4	70641820	1	PAD, right pedal
5	70050433	2	EYE-BOLT, pedal pad
	70904209	2	LOCKWASHER, 5/8"
	70911044	2	NUT, 5/8"NF
6	70650016	1	SHAFT, left pedal
7	70650026	4	BEARING, pedal shaft
	70614478	8	CAPSCREW, 1/2"NF x 1-3/8"
	70904208	8	LOCKWASHER, 1/2"
	70911043	8	NUT, 1/2"NF
	70910244	8	WASHER, plain, SAE std., 1/2"
8	70650010	1	BRACKET, pedal shaft, left
	70035073	4	CAPSCREW, 1/2"NF x 1-3/4" (Tractors prior to #13246)
	70035278	4	CAPSCREW, 1/2"NF x 2-3/4" (Tractors #13246 and up)
	70904208	4	LOCKWASHER, 1/2"
	70911043	4	NUT, 1/2"NF
9	70650057	2	LEVER ASSEMBLY, pedal shaft (Includes item 10)
	70035278	2	CAPSCREW, 1/2"NF x 2-3/4"
	70904208	2	LOCKWASHER, 1/2"
	70911043	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	1	CHANNEL, pedal shaft, right
	70035073	2	CAPSCREW, 1/2"NF x 1-3/4"(Tractors prior to #13246)
	70035278	2	CAPSCREW, 1/2"NF x 2-3/4"(Tractors #13246 and up)
	70904208	2	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF
14	70650045	2	ROD, brake
	70913830	2	NUT, jam, 1/2"NF
15	70918003	2	YOKE, brake rod
16	70049993	4	PIN, brake rod
	70900806	4	PIN, cotter, 1/8" x 1"
17	70631747	1	STRIP, right pedal retracting spring
18	70624766	2	SPRING, pedal retracting

(Continued)

BRAKE CONTROL (Contineud)

ITEM	PART NO.	QTY.	DESCRIPTION
19	70650027	1	BRACKET, right pedal retracting spring
	70614478	1	CAPSCREW, 1/2"NF x 1-3/8"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
20	70650059	1	LEVER ASSEMBLY, parking brake (Includes item 21)
	70035278	1	CAPSCREW, 1/2"NF x 2-3/4"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	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	1	PIN, parking brake bar
	70900806	1	PIN, cotter, 1/8" x 1"
25	70650053	1	BRACKET, parking brake
	70035073	3	CAPSCREW, 1/2"NF x 1-3/4"
	70035067	1	CAPSCREW, 1/2"NF x 2"
	70904208	4	LOCKWASHER, 1/2"
	70911043	4	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	1	PIN, parking brake lock
	70900806	1	PIN, cotter, 1/8" x 1"
30	70068320	1	CAPSCREW, parking brake lock
	70911025	1	NUT, 5/16"NC

MEMO



BRAKES (First type)

T-41863

BRAKES

USAGE: Tractors prior to serial No. 12201

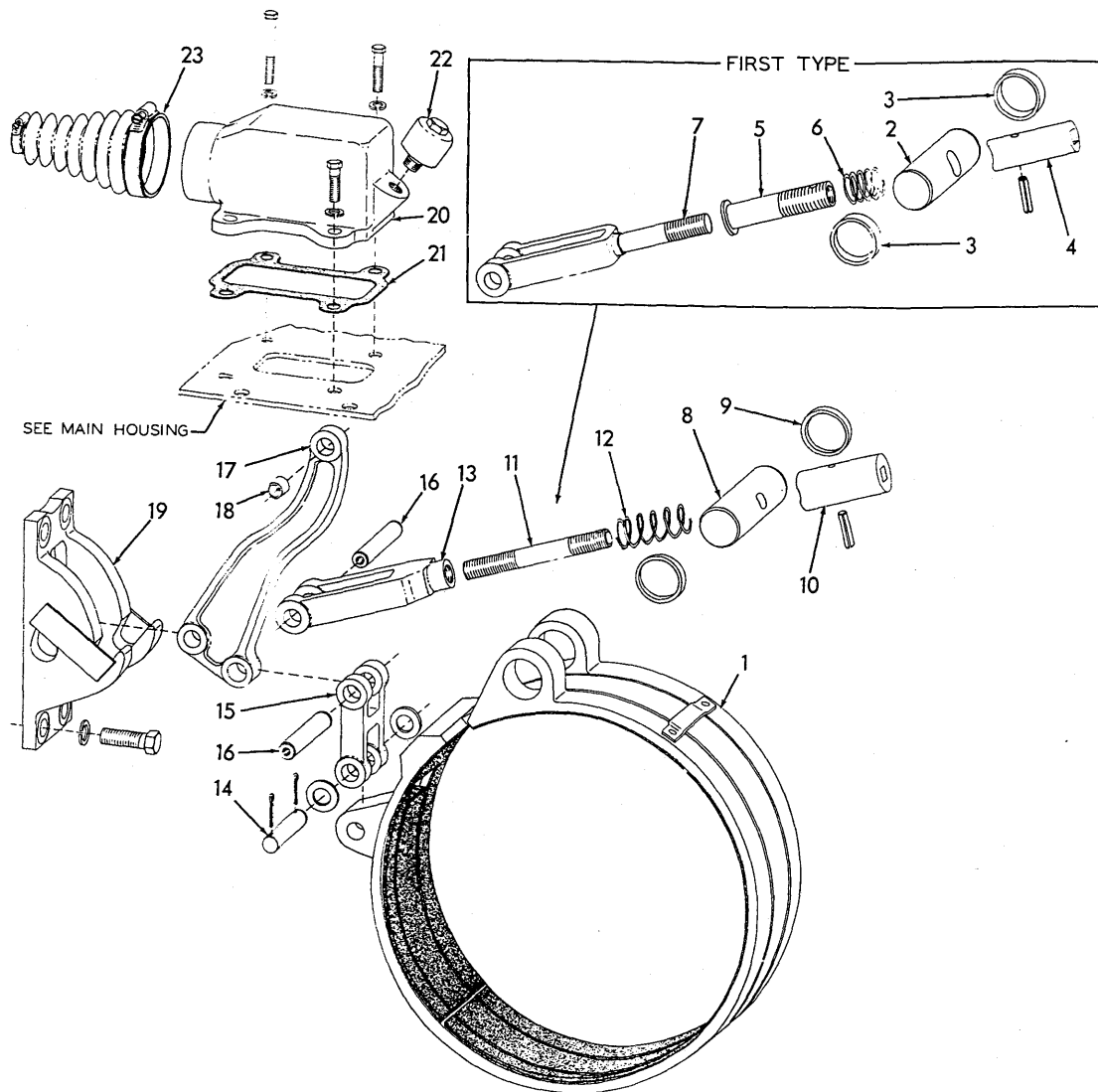
ITEM	PART NO.	QTY.	DESCRIPTION
1	70631298	2	BAND ASSEMBLY, front section (Includes bonded lining)
2	70631562	2	BAND ASSEMBLY, bottom section (Includes bonded lining)
3	70631561	2	BAND ASSEMBLY, rear section (Includes bonded lining)
4	70624735	2	PIN, band hinge
	70912476	4	WASHER, plain, 17/32" x 1" x .077"
	70900806	4	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	2	DRIVE ASSEMBLY, universal, band adjustment (Serviced only as a unit)
	70921330	2	PIN, spring, 7/32" x 1-1/8" (lower)
	70920335	2	PIN, spring, 5/32" x 1-1/8" (upper)
	70910883	2	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	2	PIN, front band
	70900808	4	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	2	BRACKET ASSEMBLY, band lever (Includes item 19)
18	70035018	12	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	12	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	2	PIN, connecting rod, rear
	70900806	2	PIN, cotter, 1/8" x 1"
23	70624357	2	ROD, connecting
24	70638504	2	PIN, connecting rod, front
	70904002	2	PIN, cotter, 1/8" x 2"
25	70637730	4	WASHER, plain

(Continued)

B R A K E S (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			
	70908944	2	PLUG, pipe, hex-socket, 1/2"NPT
28	70035018	8	CAPSCREW, 1/2"NF x 1-1/2"
29	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

MEMO



BRAKES

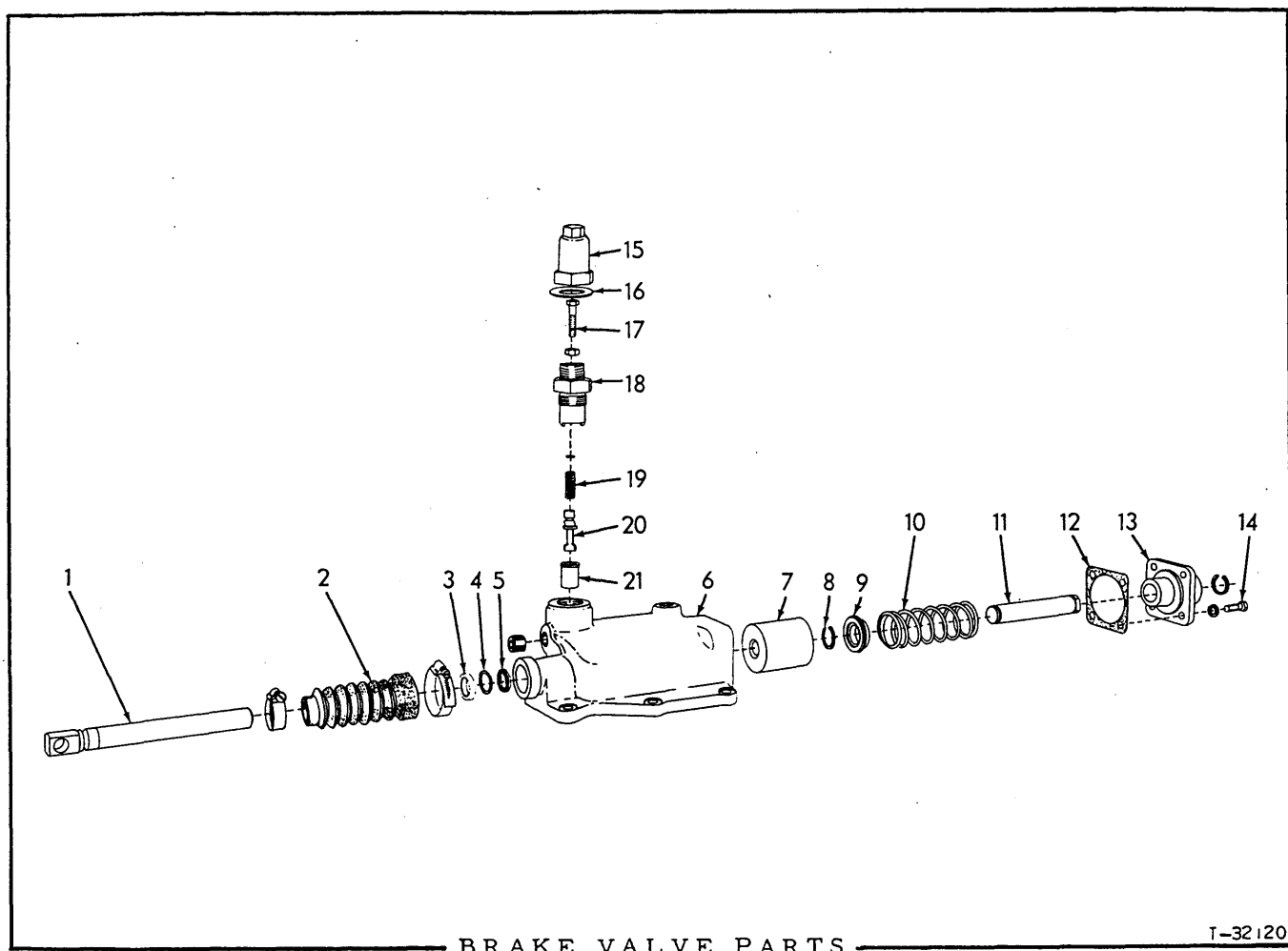
* Tractors prior to serial No. 14072

** 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	2	-	BLOCK, band adjusting
	70915797	2	-	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	-	2	BLOCK, band adjusting
	70915751	-	2	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	2	2	PIN, brake band yoke
	70900806	4	4	PIN, cotter, 1/8" x 1"
	70911100	4	4	WASHER, plain, SAE std., 5/8"
15	70650269	2	2	YOKE, brake band
16	70648138	4	-	PIN, brake lever
	70668329	-	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	2	2	BRACKET, brake band lever
	70631795	8	8	CAPSCREW, Nylok, 5/8"NF x 1-3/4"
	70904209	8	8	LOCKWASHER, 5/8"
20	70648795	2	2	COVER, band linkage
	70040382	6	6	CAPSCREW, 3/8"NC x 1-3/8"
	70914847	1	1	CAPSCREW, 3/8"NC x 1-1/2"
	70056721	1	1	CAPSCREW, 3/8"NC x 2-1/2"
	70904206	8	8	LOCKWASHER, 3/8"
21	70649205	2	2	GASKET, band linkage cover
22	70050748	2	2	BREATHER, brake compartment (left side)
23	70648167	2	2	BOOT, brake rod
	70921914	2	2	CLAMP, hose, 2-5/16" to 3-1/4" diam.
	70921911	2	2	CLAMP, hose, 11/16" to 1-1/4"

} Left cover only

(Revised May 1979)



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

ITEM PART NO. QTY. DESCRIPTION

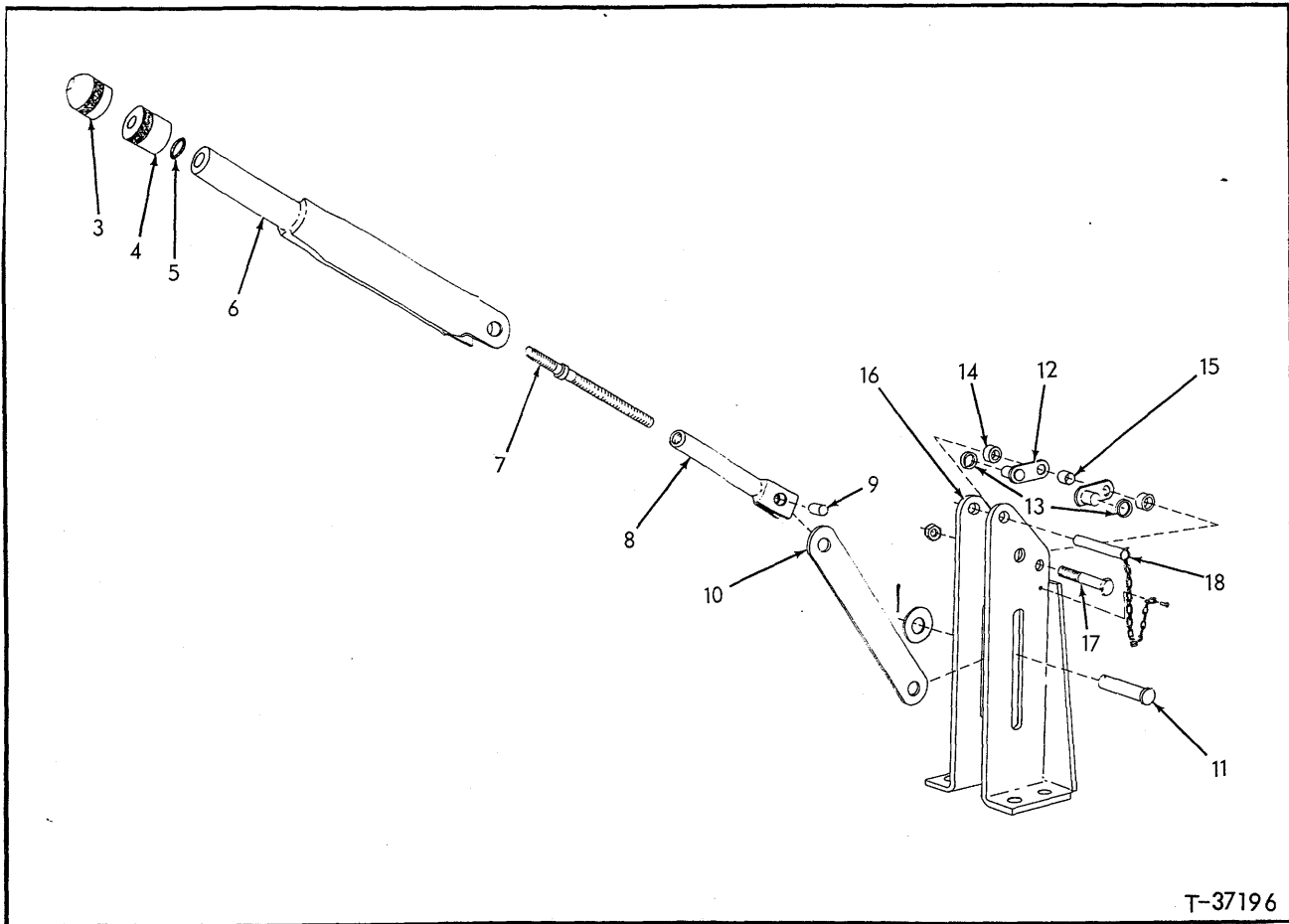
NOTE: Quantities shown are for one (1) Valve Assembly only

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

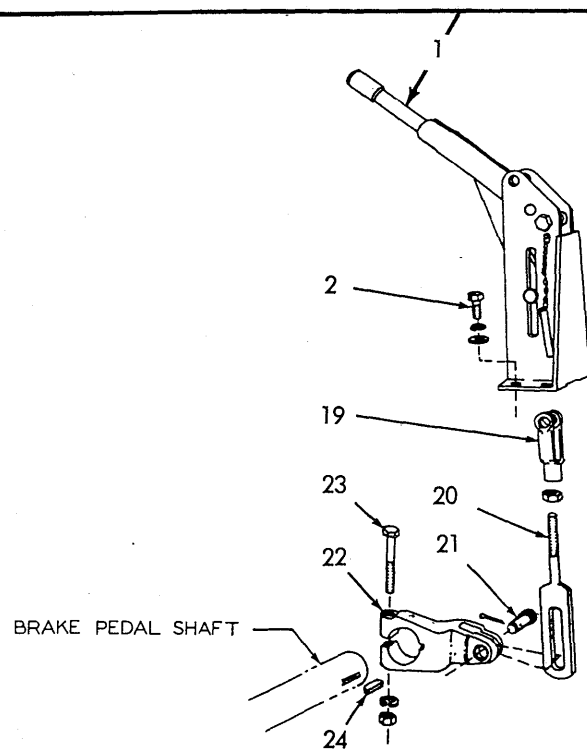
(Continued)

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



BRAKE PEDAL SHAFT

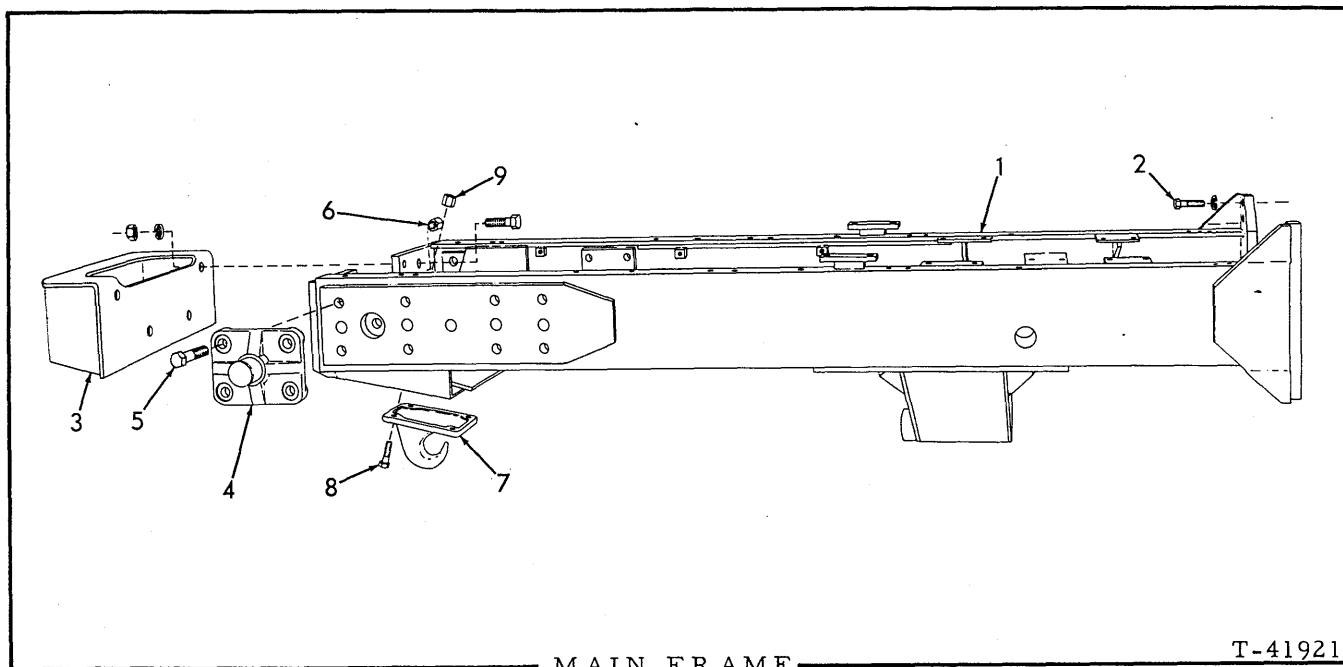
PARKING BRAKE

T-41859

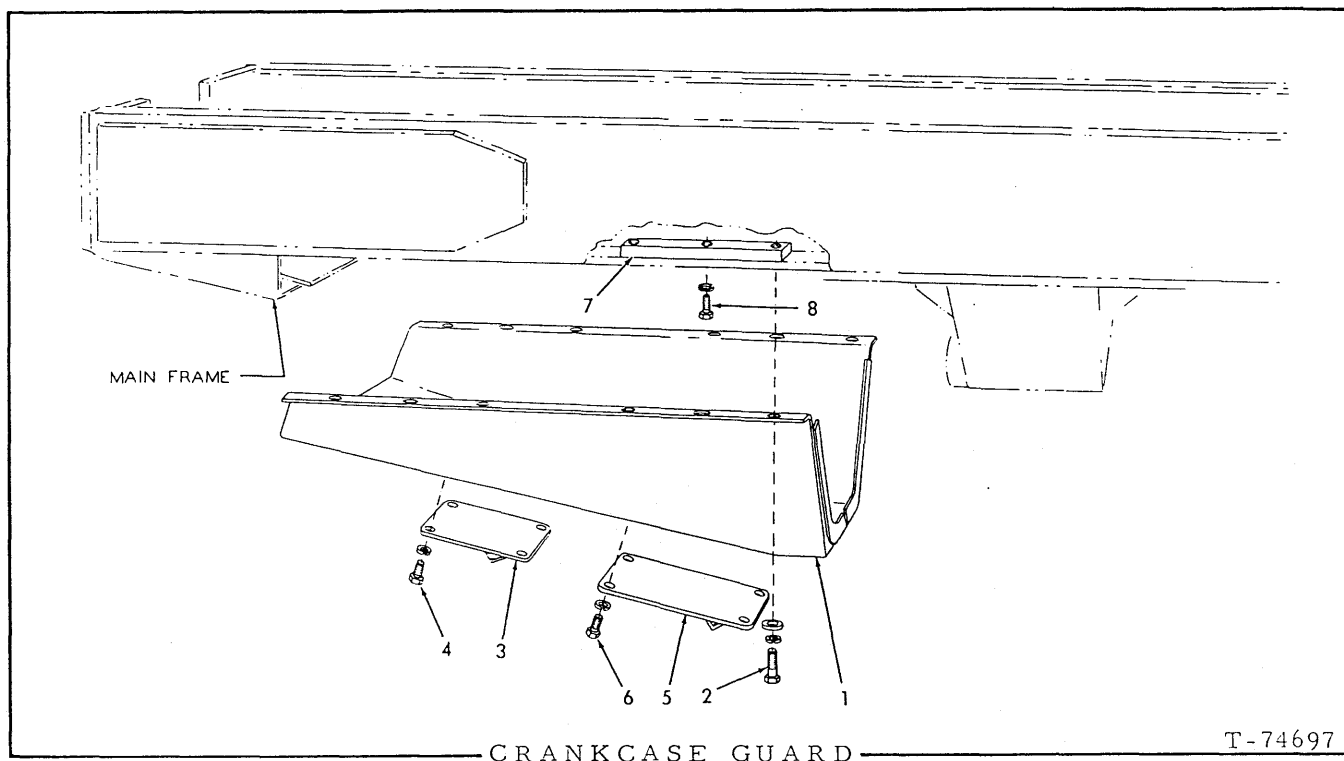
PARKING BRAKE

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 1/4"(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



ITEM	PART NO.	QTY.	DESCRIPTION
1	70648499	1	FRAME (Tractors prior to #14001)
	70667223	1	FRAME (Effective with Tractor #14001)
2	70070159	2	CAPSCREW, 7/8"NF x 3"
	70012762	6	CAPSCREW, 7/8"NF x 3-1/4"
	70914727	8	LOCKWASHER, 7/8"
3	70641167	1	BUMPER, front (Standard)
	70085617	1	BUMPER, front (60" long)(Optional)
	70918490	4	CAPSCREW, 1"NF x 2-1/2"
	70910916	4	LOCKWASHER, 1"
	70911047	4	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



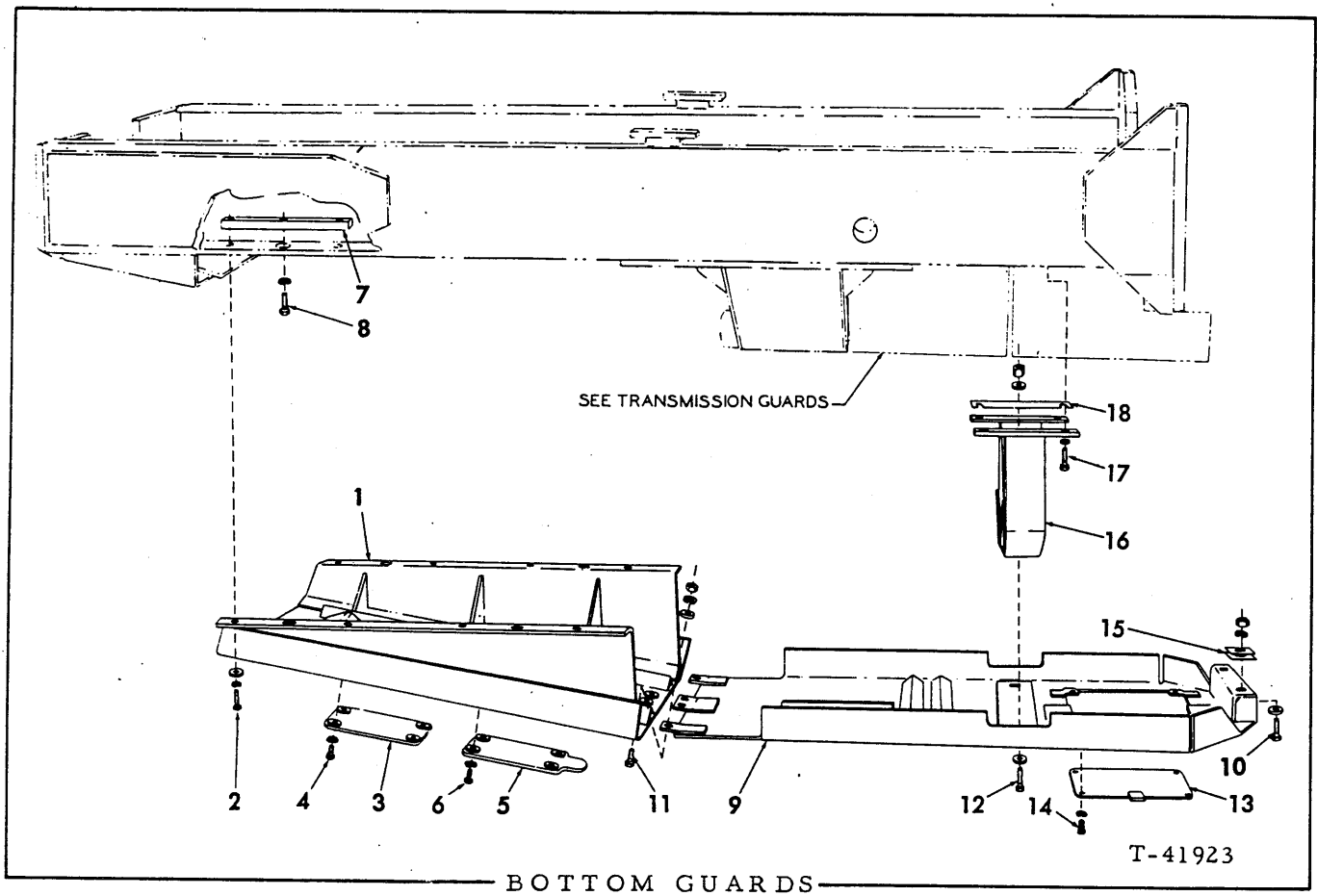
USAGE: Special Equipment

* 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"

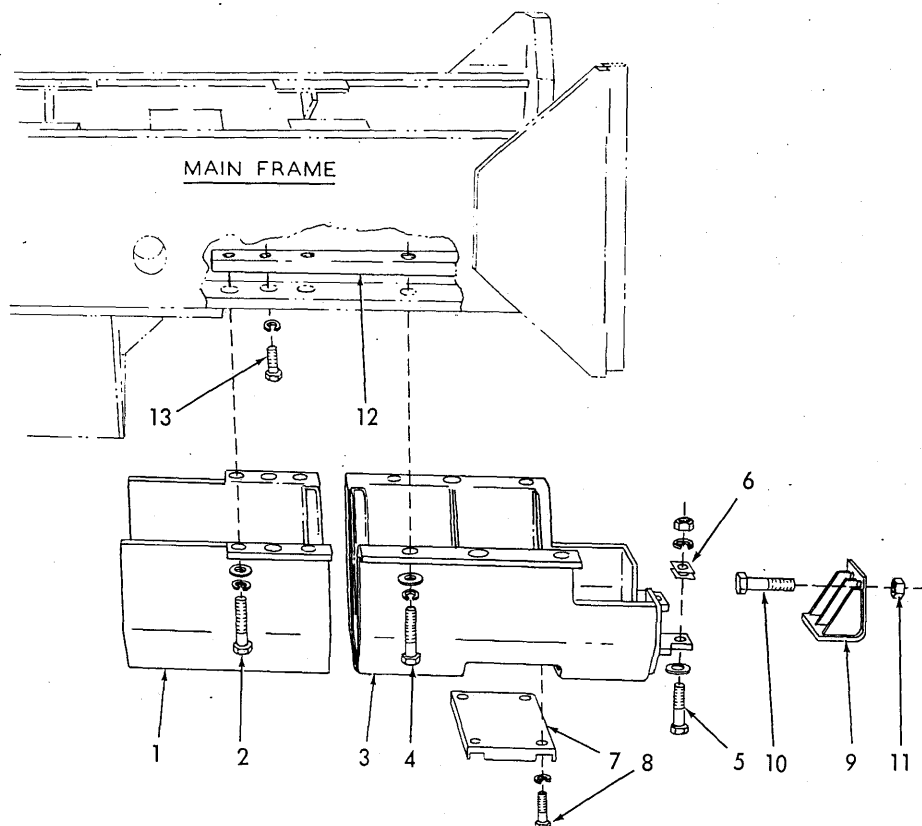
(Revised May 1979)



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
	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.		DESCRIPTION	
		*	**		
1	70638442	1	1	GUARD, transmission, front section	
2	70916420	4	-	CAPSCREW, 1/2"NF x 2-1/4"	Not used on units with BOTTOM GUARDS
	70916315	-	4	CAPSCREW, 1/2"NC x 2-1/4"	
	70904208	4	4	LOCKWASHER, 1/2"	
	70064531	4	4	WASHER, plain	
3	70646490	1	1	GUARD, transmission, rear section	
4	70916420	4	-	CAPSCREW, 1/2"NF x 2-1/4"	2 less used on units with BOTTOM GUARDS
	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)

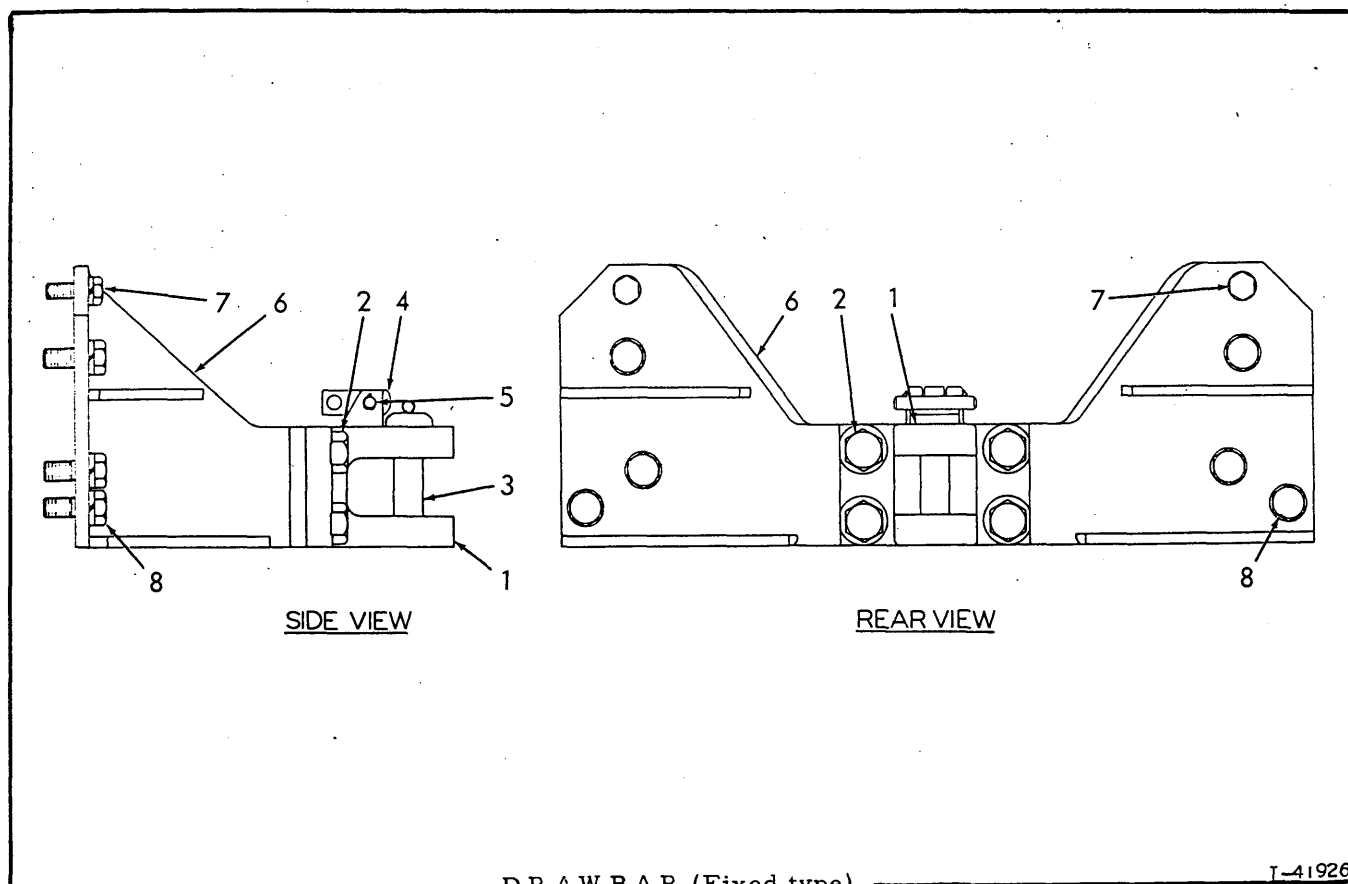
0651804-7

TRANSMISSION GUARDS (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
6	70638480	4	4	SHIM, rear transmission guard (1/16" thick. Use as required)
	70638479	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	4	-	CAPSCREW, 3/4"NF x 2-1/2"
	70916288	-	4	CAPSCREW, 3/4"NC x 2-1/2"
11	70012767	4	-	NUT, high, 3/4"NF
	70911030	-	4	NUT, 3/4"NC
12	70646591	2	-	BAR, tapped (1/2"NF)
	70661169	-	2	BAR, tapped (1/2"NC)
13	70919190	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"

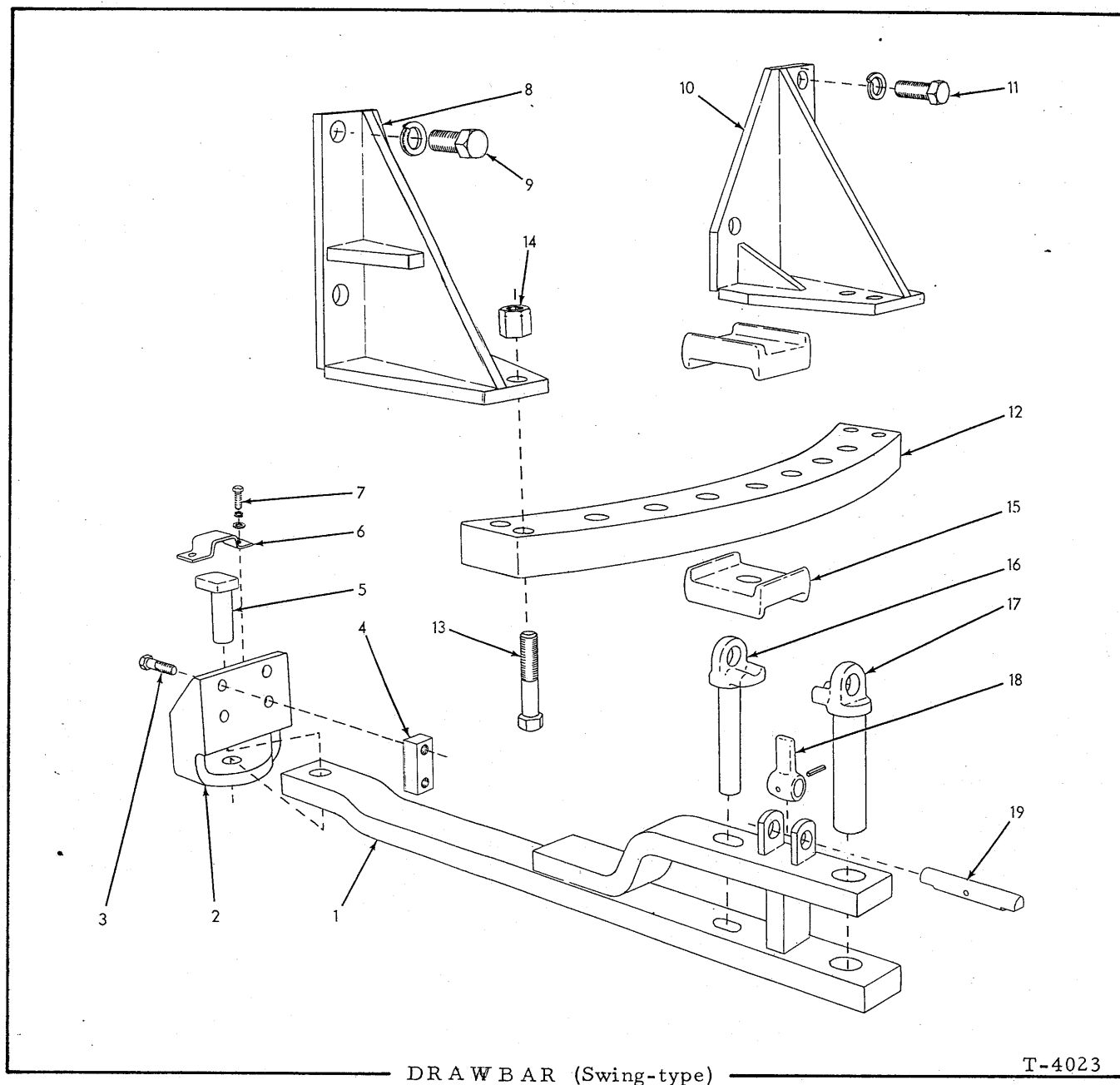
(Revised May 1979)

MEMO



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

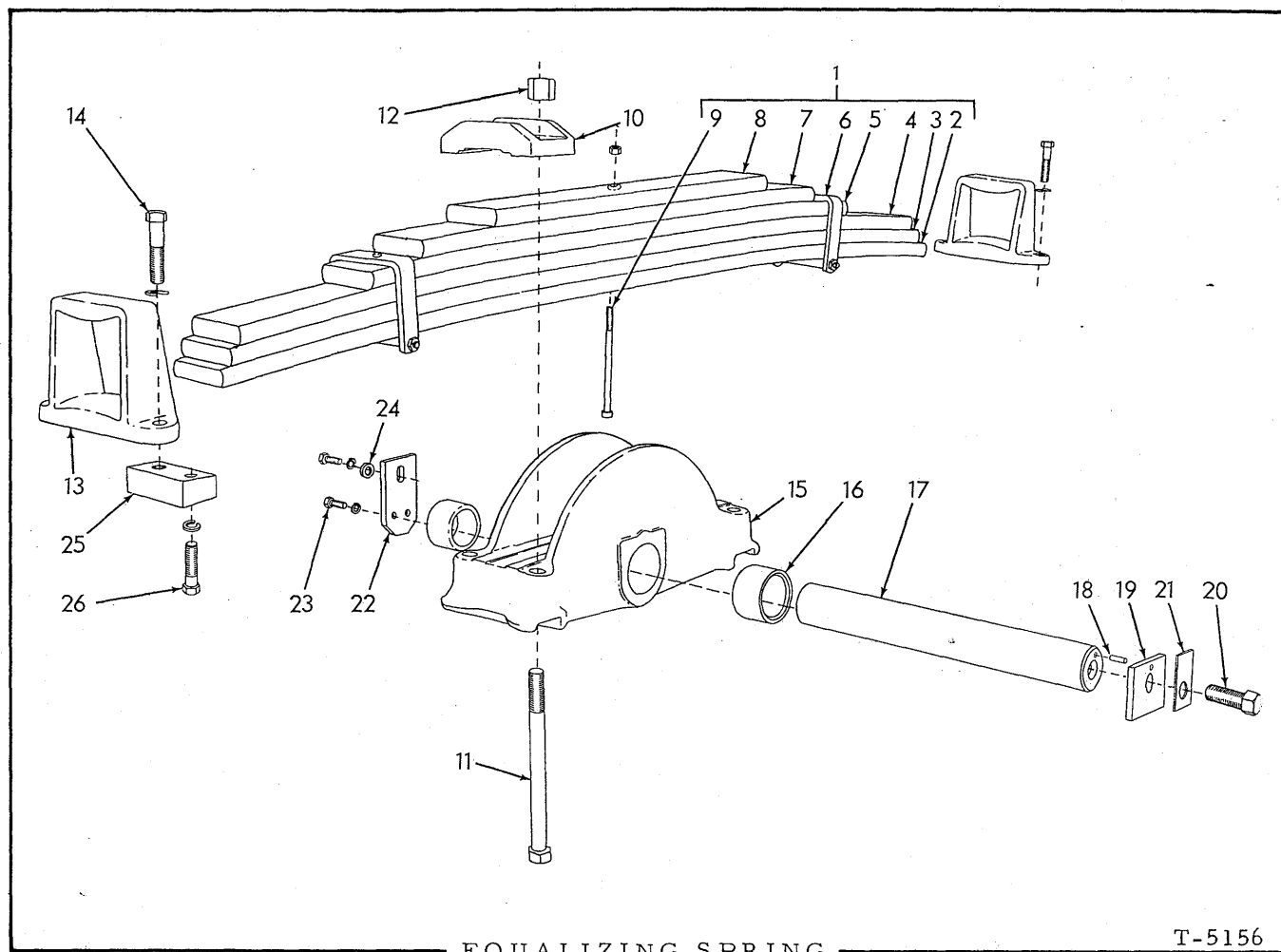
USAGE: Optional equipment.

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	4	NUT, high, 3/4"NF (Used prior to tractor #11122)
	70647922	2	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



EQUALIZING SPRING

T-5156

USAGE: Tractors prior to serial No. 12201

* Tractors prior to serial No. 11579

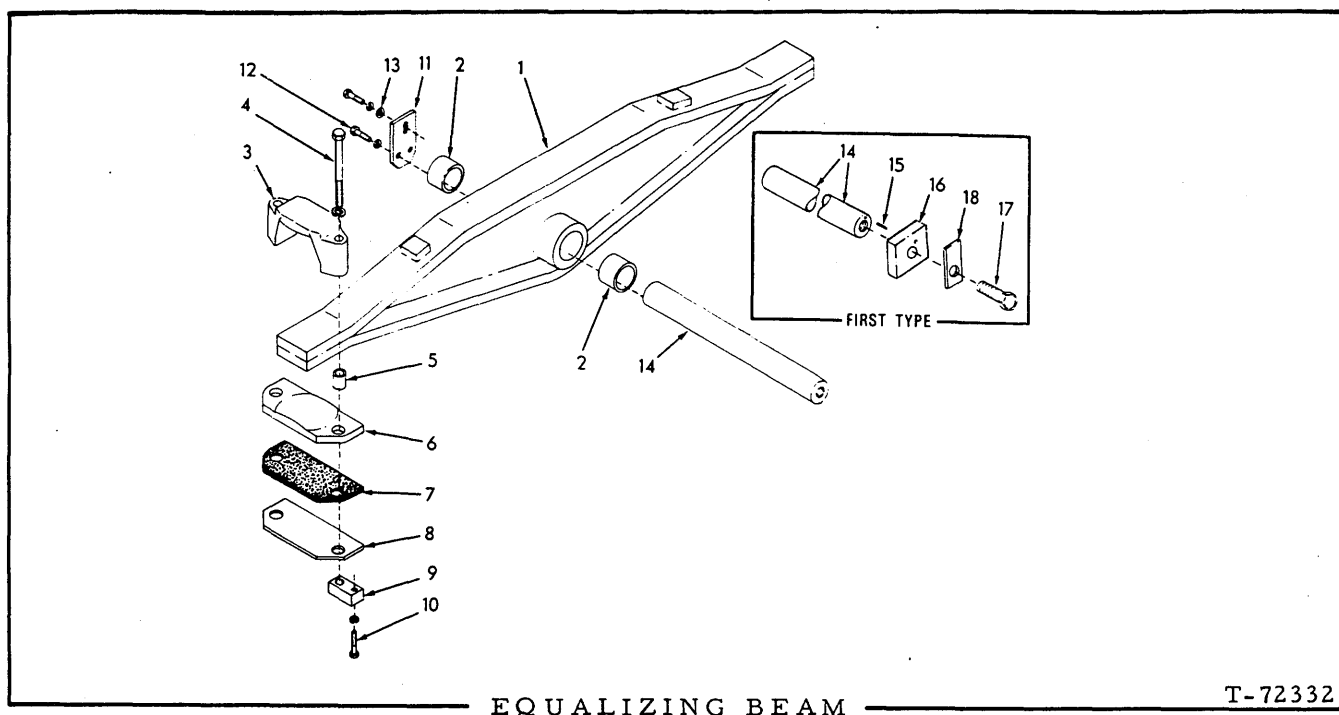
** Tractors serial No. 11579 thru 12200

ITEM	PART NO.	QTY.		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"

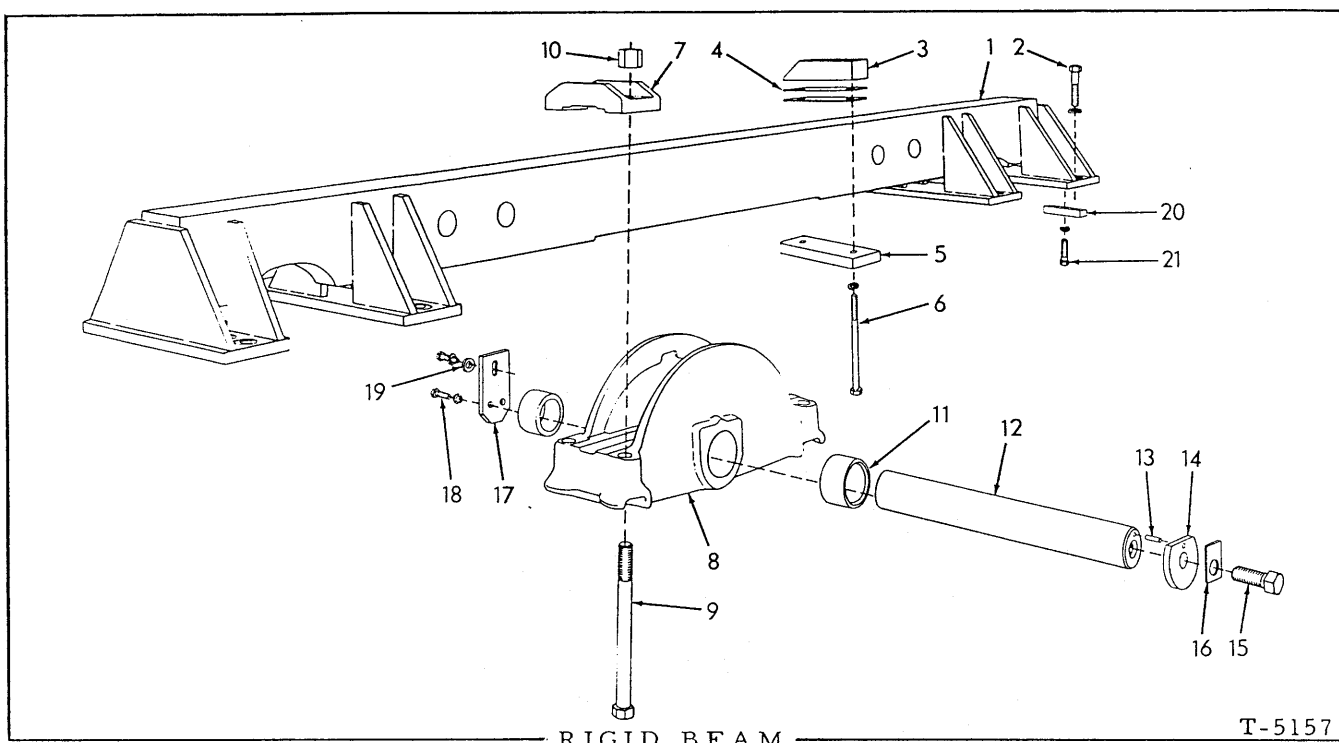


USAGE: Tractors serial No. 12201 and up. Standard equipment

ITEM PART NO. QTY. DESCRIPTION

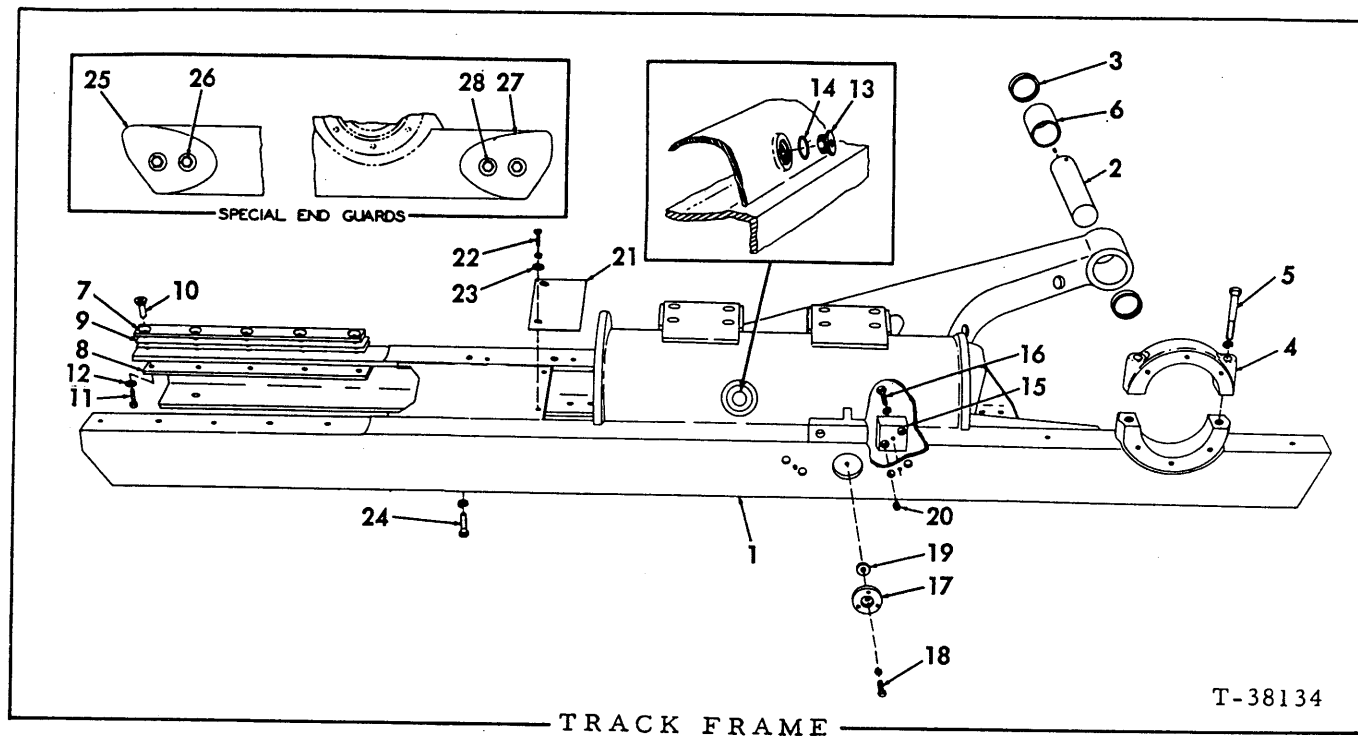
1	70643367	1	BEAM ASSEMBLY (Includes item 2)
2	70056413	2	BUSHING, beam pivot
3	70650513	2	BRACKET, shock pad
4	70650546	4	CAPSCREW, 3/4"NF x 7-3/4"
	70904369	4	LOCKWASHER, 3/4"
5	70650547	4	BUSHING, bracket spacing
6	70650536	2	PAD, beam seating
7	70650538	2	PAD, shock (rubber)
8	70650537	2	PLATE, shock pad (steel)
9	70630752	4	BLOCK, tapped
10	70035068	4	CAPSCREW, 1/2"NF x 2-1/4" (Early units)
	70916315	4	CAPSCREW, 1/2"NC x 2-1/4" (Late units)
	70904208	4	LOCKWASHER, 1/2"
11	70056441	1	PLATE, pivot pin retaining
12	70035018	3	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	3	LOCKWASHER, 1/2"
13	70064531	1	WASHER, plain
14	70659421	1	PIN, beam pivot (Tractors prior to #14001)
	70667209	1	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



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
		*	**	
1	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
	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)

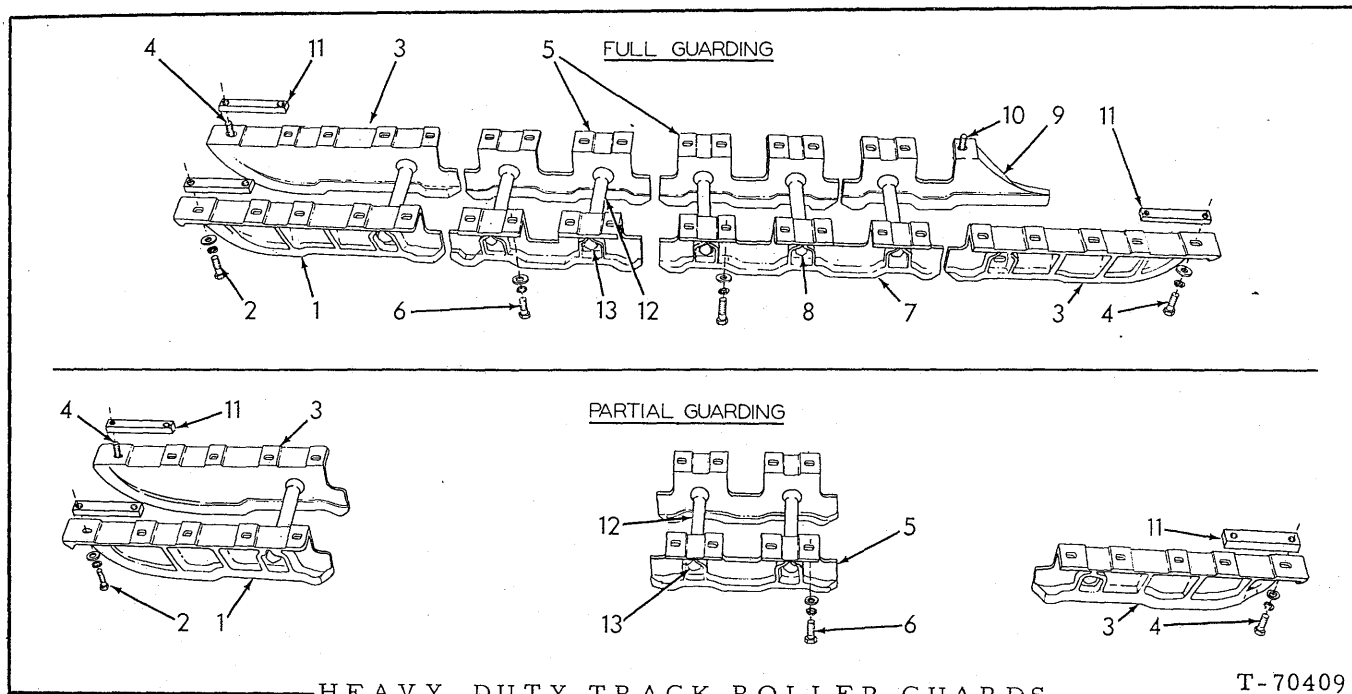
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TRACK FRAME (Continued)

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)	} Use as Required
	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, Nylok, 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)	
	70904206	4	4	LOCKWASHER, 3/8"	
23	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	} Special Equipment
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	} Special Equipment
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	

(Revised May 1979)

MEMO



HEAVY-DUTY TRACK ROLLER GUARDS

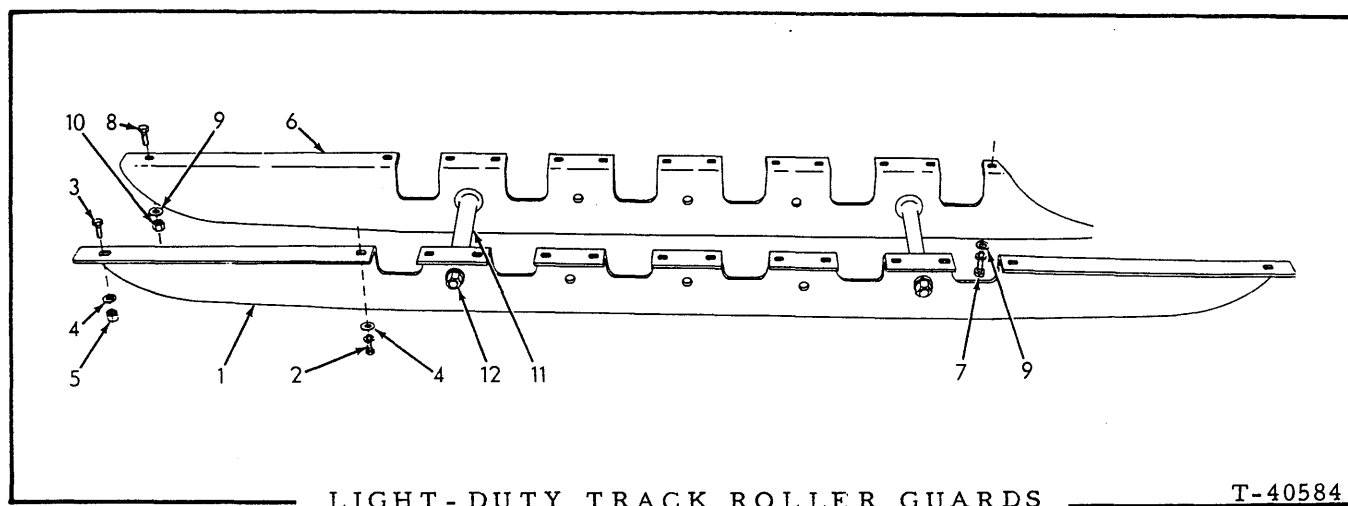
T-70409

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

* Partial guarding

** Full guarding

ITEM	PART NO.	* QTY.	** QTY.	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	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



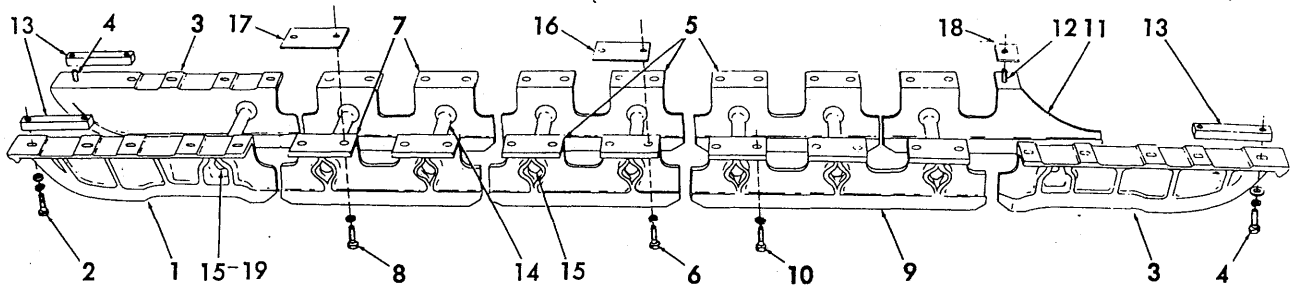
LIGHT-DUTY TRACK ROLLER GUARDS

T-40584

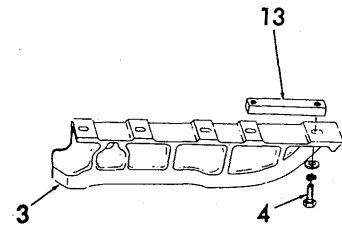
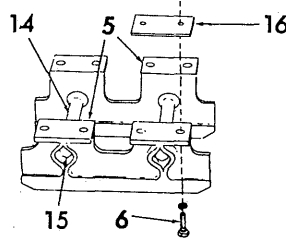
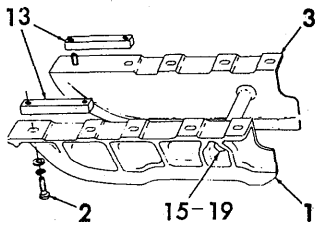
USAGE: Special equipment. For units with standard 40-link tracks.

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"
	70904209	24	LOCKWASHER, 5/8"
3	70023618	4	CAPSCREW, 5/8"NF x 2-1/2"
4	70064810	28	WASHER, plain
5	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"
	70904209	24	LOCKWASHER, 5/8"
8	70023618	2	CAPSCREW, 5/8"NF x 2-1/2"
9	70064810	26	WASHER, plain
10	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

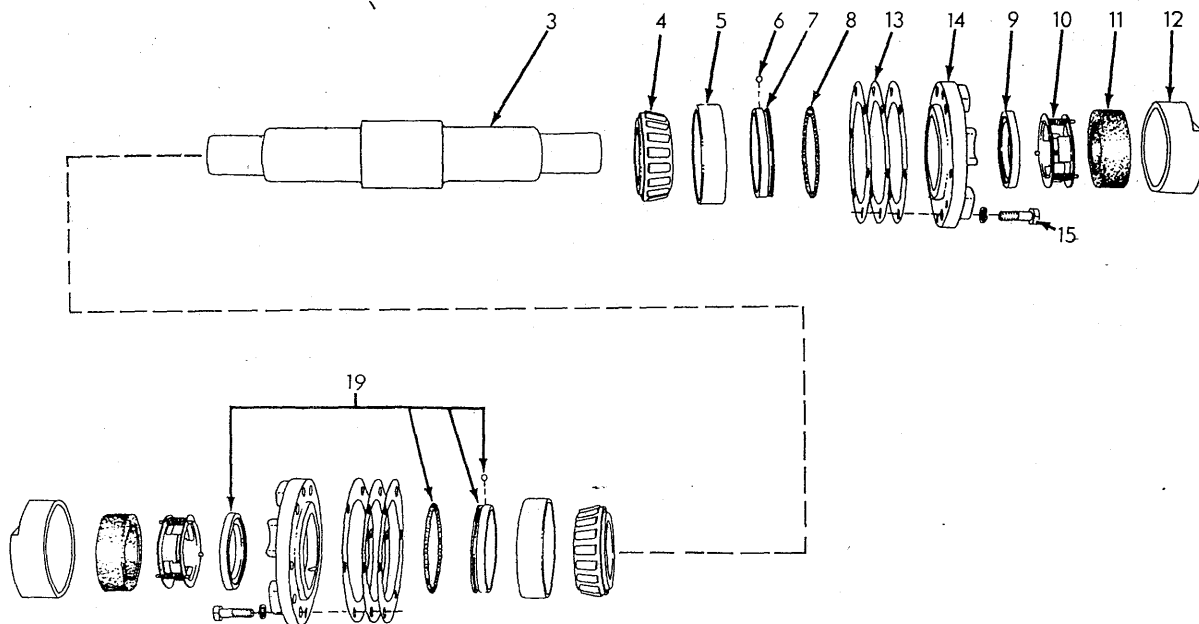
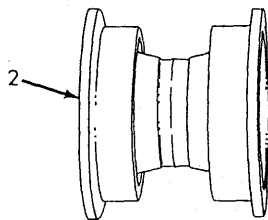
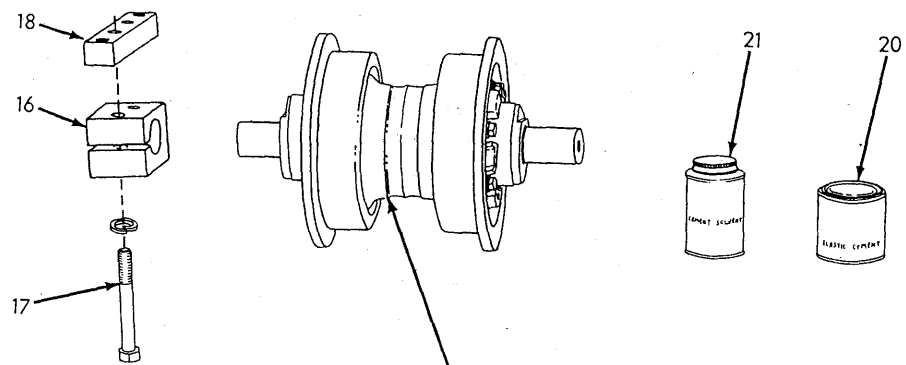
HEAVY-DUTY TRACK ROLLER GUARDS

HEAVY - DUTY TRACK ROLLER GUARDS

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

* Partial guarding
** Full guarding

ITEM	PART NO.	QTY.		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



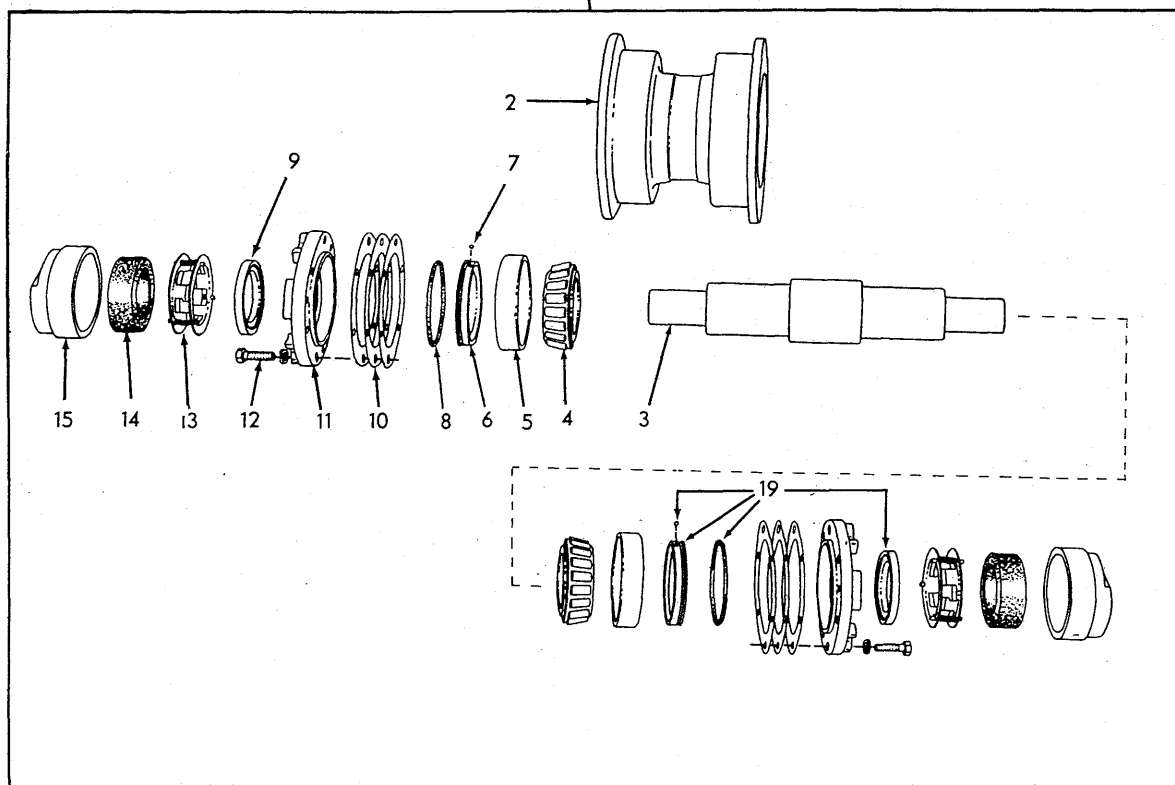
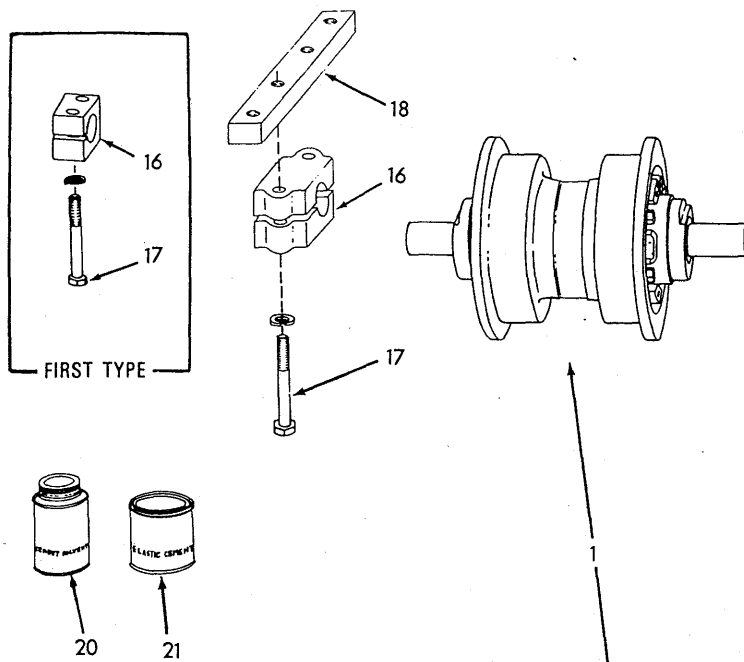
TRACK ROLLER (First type)

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	48	SHIM, bearing adjustment (.003" thick)	} Use as required
	70073024	72	SHIM, bearing adjustment (.007" thick)	
	70073025	72	SHIM, bearing adjustment (.010" thick)	
	70073026	24	SHIM, bearing adjustment (.032" thick)	
14	70073023	24	RETAINER, bearing	
15	70012992	144	CAPSCREW, 3/8" NF x 1-1/4"	
	70904206	144	LOCKWASHER, 3/8"	
16	70093805	24	BRACKET, attaching	
17	70045524	48	CAPSCREW, 5/8" NF x 4-1/2"	
	70904209	48	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	} For cementing seal boots
21	70054890	-	SOLVENT, neoprene cement, 1/2 pint can	
□ Components of item 19				



TRACK ROLLER (Second type)

T-5925

TRACK ROLLER

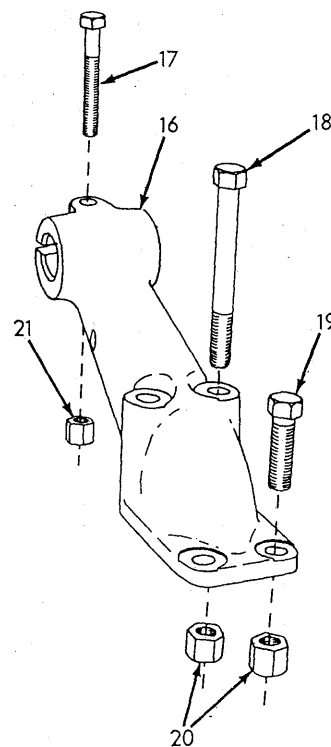
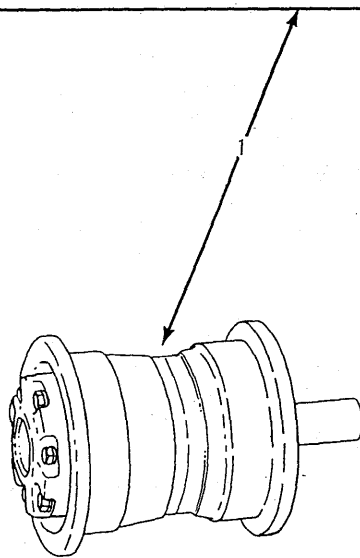
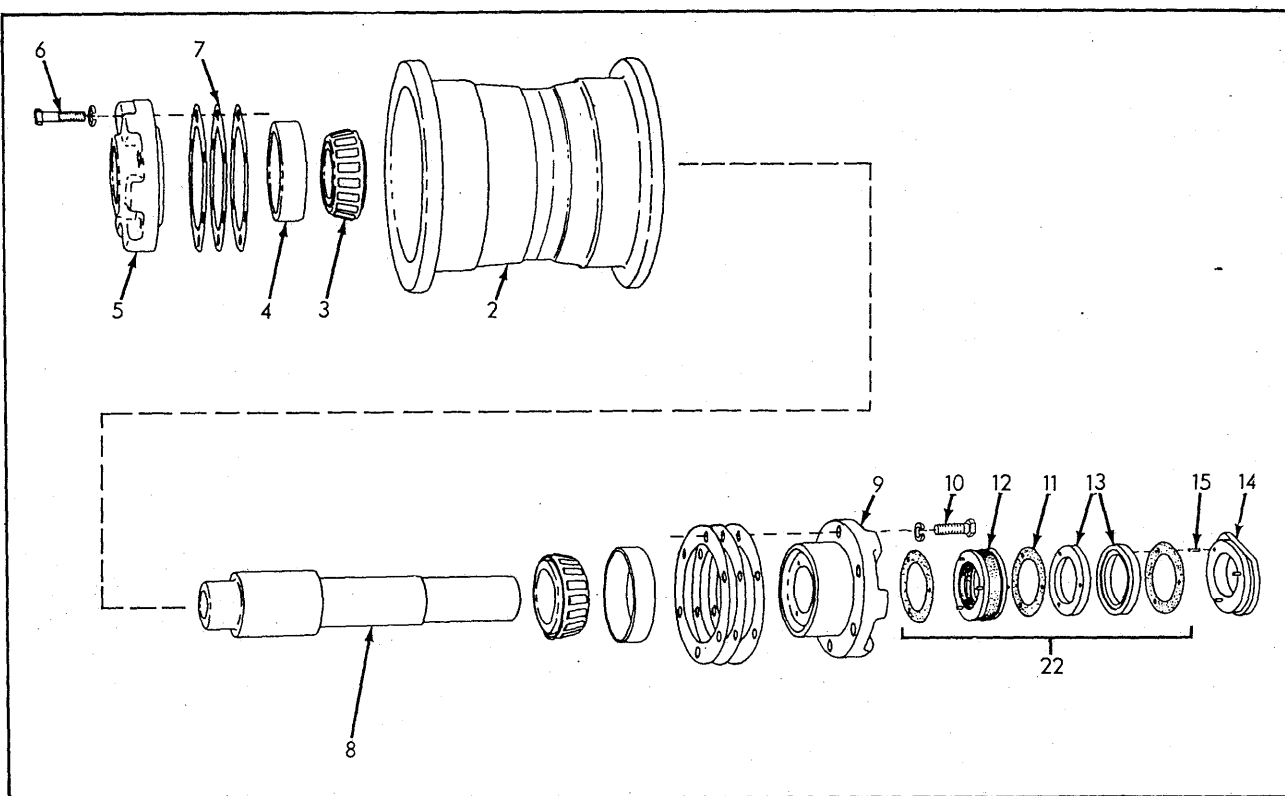
USAGE: Standard on tractors serial No. 12201 and up; optional on prior units.

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	ORING, seal, inner	
7	70905357	2	OBALL, steel, 3/16" diam.	
8	70923585	2	OO-RING, seal ring	
9	70049110	2	ORING, seal, outer	
10	70656624	4	SHIM, bearing adjustment (.003" thick)	Use as required
	70074567	4	SHIM, bearing adjustment (.007" thick)	
	70074568	4	SHIM, bearing adjustment (.010" thick)	
	70074569	2	SHIM, bearing adjustment (.032" thick)	
11	70663046	2	RETAINER, bearing	
12	70012992	12	CAPSCREW, 3/8"NF x 1-1/4"	
	70904206	12	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	2	BRACKET, attaching (Tractors prior to #14189)	
	70667811	4	BRACKET, attaching (half only)(Tractor #14189 and up)	
17	70045524	4	CAPSCREW, 5/8"NF x 4-1/2"	
	70904209	4	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	For cementing seal boots
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



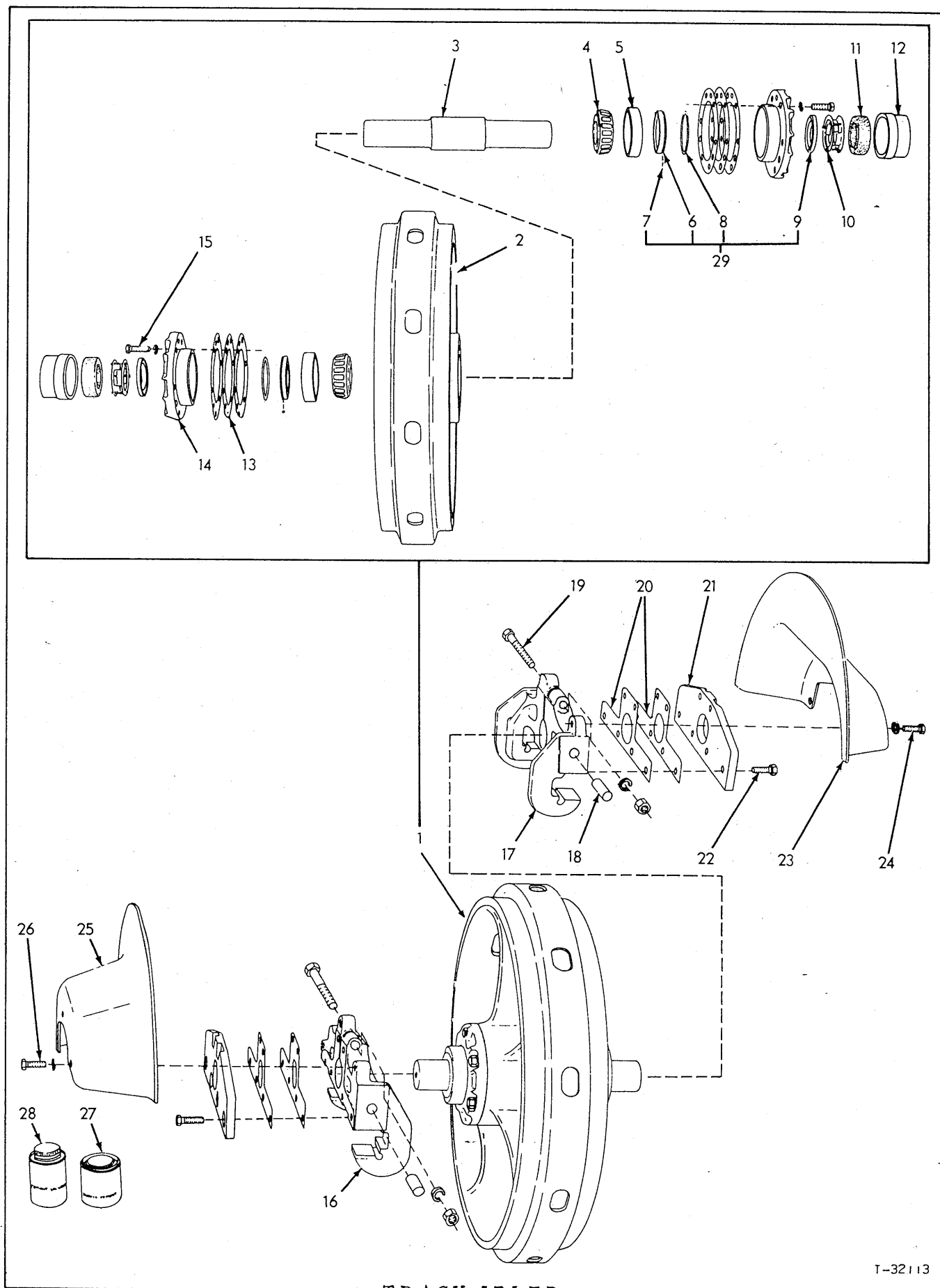
TRACK CARRIER ROLLER

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	24	CAPSCREW, 3/8"NF x 1-1/4"	
	70904206	24	LOCKWASHER, 3/8"	
7	70655474	16	SHIM, bearing adjustment (.003" thick)	Use as required
	70051484	8	SHIM, bearing adjustment (.007" thick)	
	70051483	20	SHIM, bearing adjustment (.010" thick)	
	70051482	12	SHIM, bearing adjustment (.032" thick)	
8	70056312	4	SHAFT	
9	70051478	4	RETAINER, inner bearing	
10	70012992	24	CAPSCREW, 3/8"NF x 1-1/4"	
	70904206	24	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	For cementing boots and gaskets
24	70054890	-	SOLVENT, neoprene cement, 1/2 pint can	

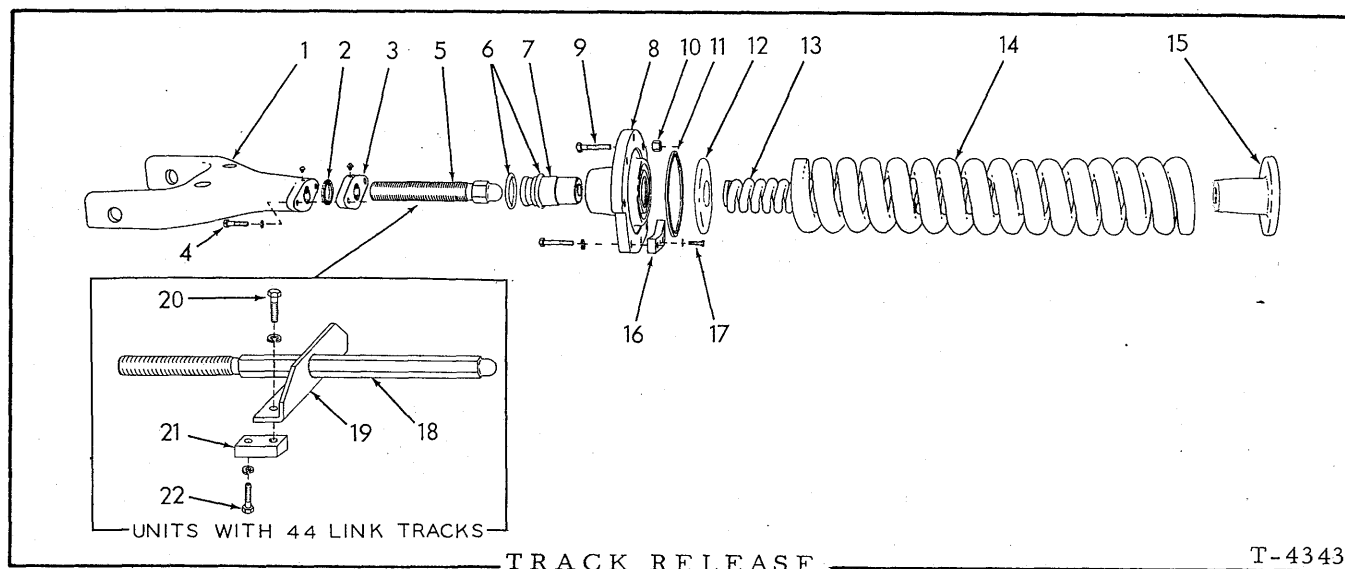
□Components of item 22



TRACK IDLER

TRACK IDLER

ITEM	PART NO.	QTY.	DESCRIPTION	
1	70644068	2	IDLER ASSEMBLY (Consists of items 2 thru 15)	
2	70658267	2	IDLER	
3	70622847	2	SHAFT	
4	70073112	4	CONE ASSEMBLY, bearing	
5	70073111	4	CUP, bearing	
6	70060693	4	□RING, idler seal, inner	
7	70905357	4	□BALL, steel, 3/16" diam.	
8	70923585	4	□O-RING, seal ring	
9	70049110	4	□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	8	SHIM, bearing adjustment (.003" thick)	} Use as required
	70073160	4	SHIM, bearing adjustment (.007" thick)	
	70073161	6	SHIM, bearing adjustment (.010" thick)	
	70073162	4	SHIM, bearing adjustment (.032" thick)	
14	70622850	4	RETAINER, bearing	
15	70035018	24	CAPSCREW, 1/2"NF x 1-1/2"	
	70904208	24	LOCKWASHER, 1/2"	
16	70637763	2	BRACKET ASSEMBLY, left (Tractors prior to #13131)	} Each includes item 18
	70653741	2	BRACKET ASSEMBLY, left (Tractors #13131 and up)	
17	70637764	2	BRACKET ASSEMBLY, right (Tractors prior to #13131)	
	70655742	2	BRACKET ASSEMBLY, right (Tractors #13131 and up)	
18	70056585	4	PIN, dowel, idler bracket to release yoke	
19	70638796	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	70081407	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	} For cementing boots
28	70054890	-	SOLVENT, neoprene cement, 1/2 pint can	
29	70083208	2	SEAL KIT (Includes parts for one (1) idler only; items 6 thru 9)	
□Components, of item 29				



USAGE: Tractors prior to serial No. 12390

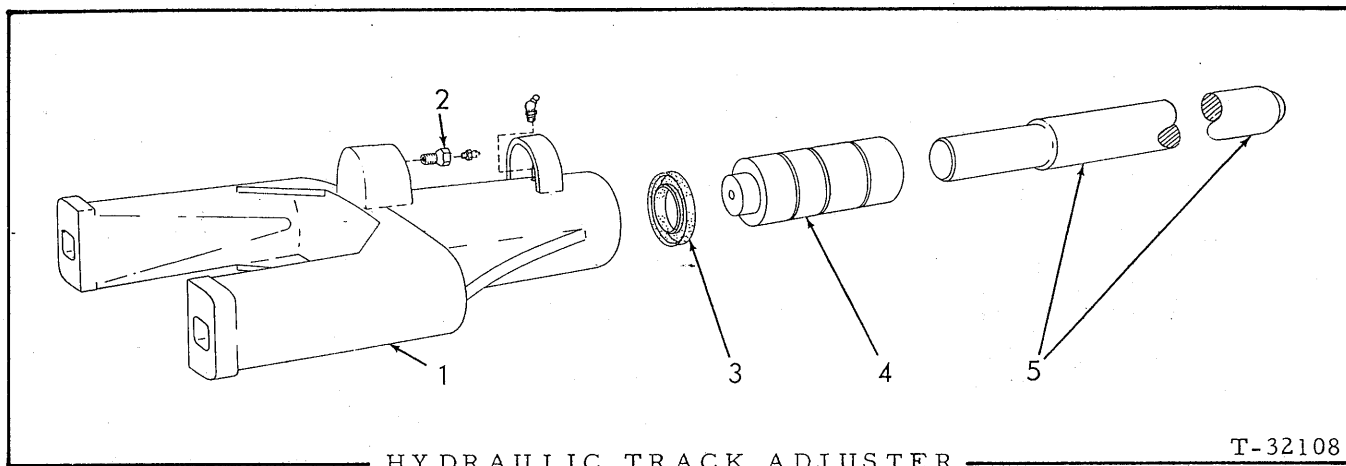
ITEM PART NO. QTY. DESCRIPTION

NOTE: See page 285 for optional hydraulic track adjuster

1	70637800	2	YOKE
	70914465	2	FITTING, lubricating, straight, 1/8"NPT
2	70066068	2	SEAL, protecting, adjustment screw threads (rubber)
3	70056614	2	LOCK, adjustment screw
	70914465	2	FITTING, lubricating, straight, 1/8"NPT
4	70035067	4	CAPSCREW, 1/2"NF x 2"
	70904208	4	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	16	CAPSCREW, 5/8"NF x 2-3/4"
	70904209	6	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	4	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	4	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	4	CAPSCREW, 5/8"NF x 2-1/2"
	70904209	4	LOCKWASHER, 5/8"
21	70631665	4	BLOCK, tapped
22	70035067	4	CAPSCREW, 1/2"NF x 2"
	70904208	4	LOCKWASHER, 1/2"

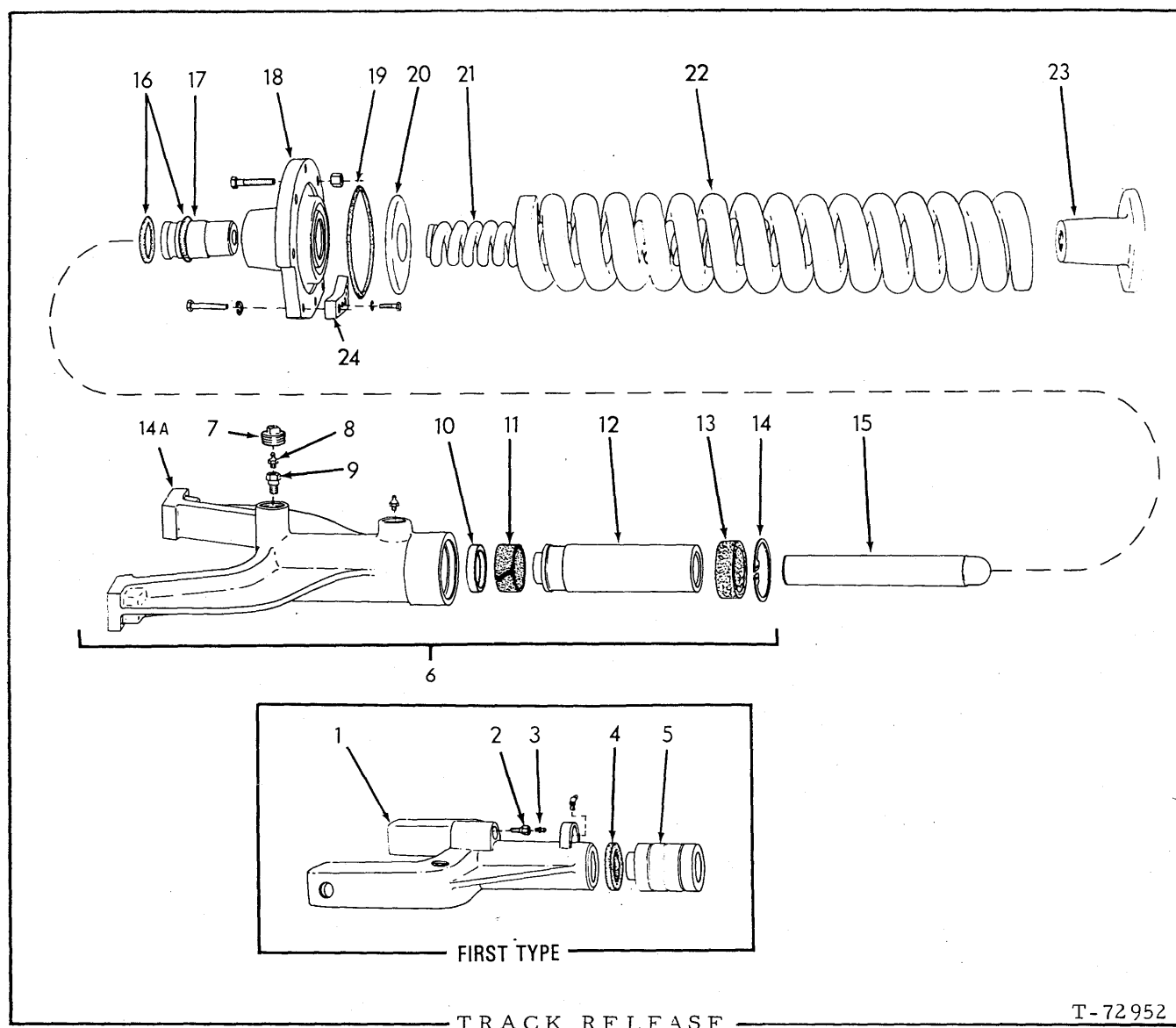


HYDRAULIC TRACK ADJUSTER

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)



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	-----	2	-	YOKE ASSEMBLY (Includes items 2 thru 5 and FITTING indented below) (Order YOKE ASSY. 70665044)
	70915275	2	-	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

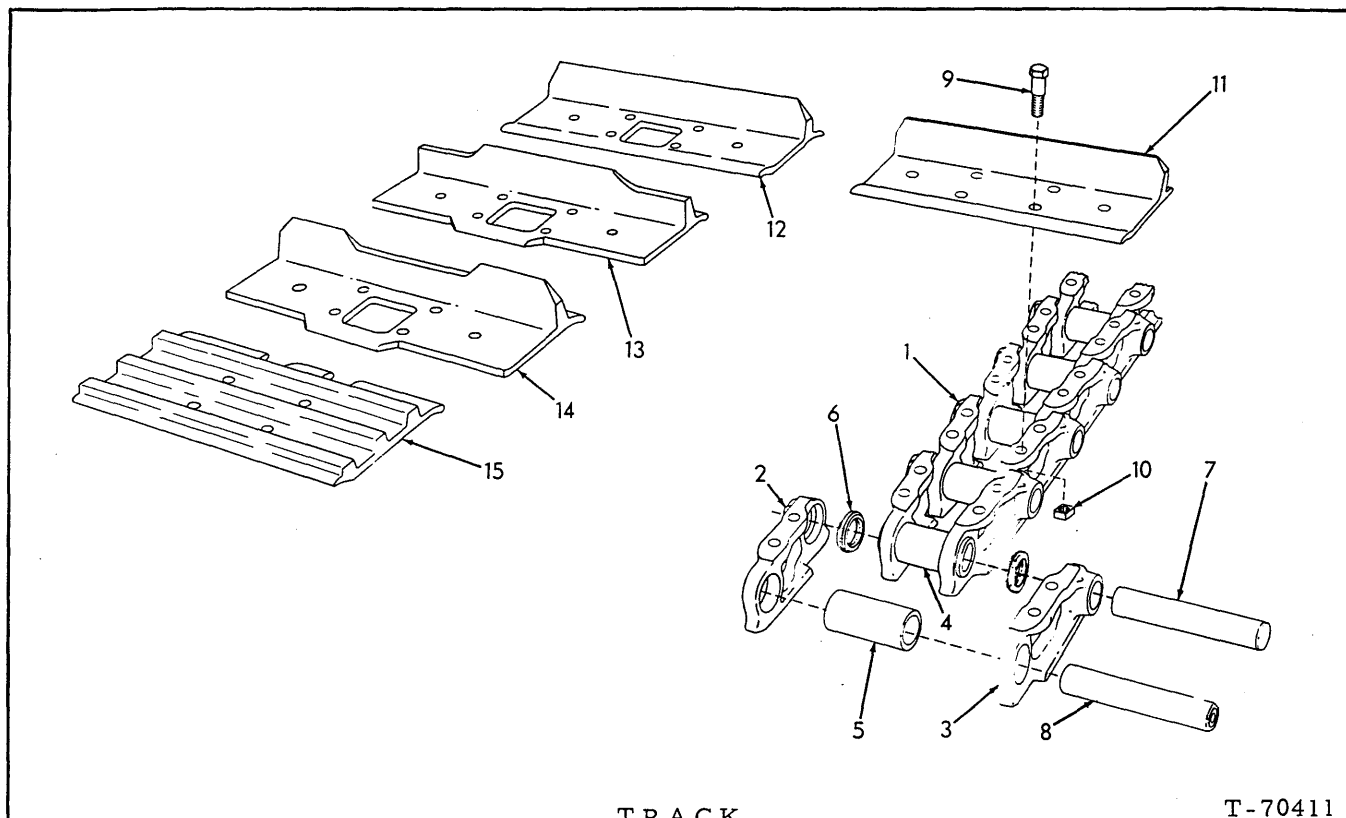
(Continued)

(Revised May 1979)

TRACK RELEASE (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION	
		*	**		
6	70665044	-	2	YOKE 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	YOKE, only	
15	70644017	2	-	BAR, push (15-5/8" long)	Units with standard 40-link tracks
	70666652	-	2	BAR, push (11-3/4" long)	
	70624565	2	-	BAR, push (32" long)	Units with special 44-link tracks
	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)



TRACK

T-70411

* Units with standard 40-link tracks

** Units with special 44-link tracks

ITEM	PART NO.	QTY.		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)

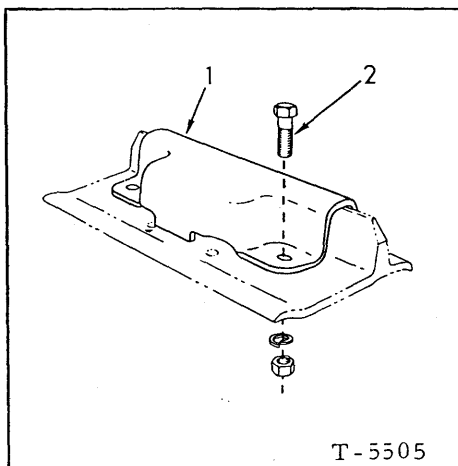
TRACK (Continued)

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)

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



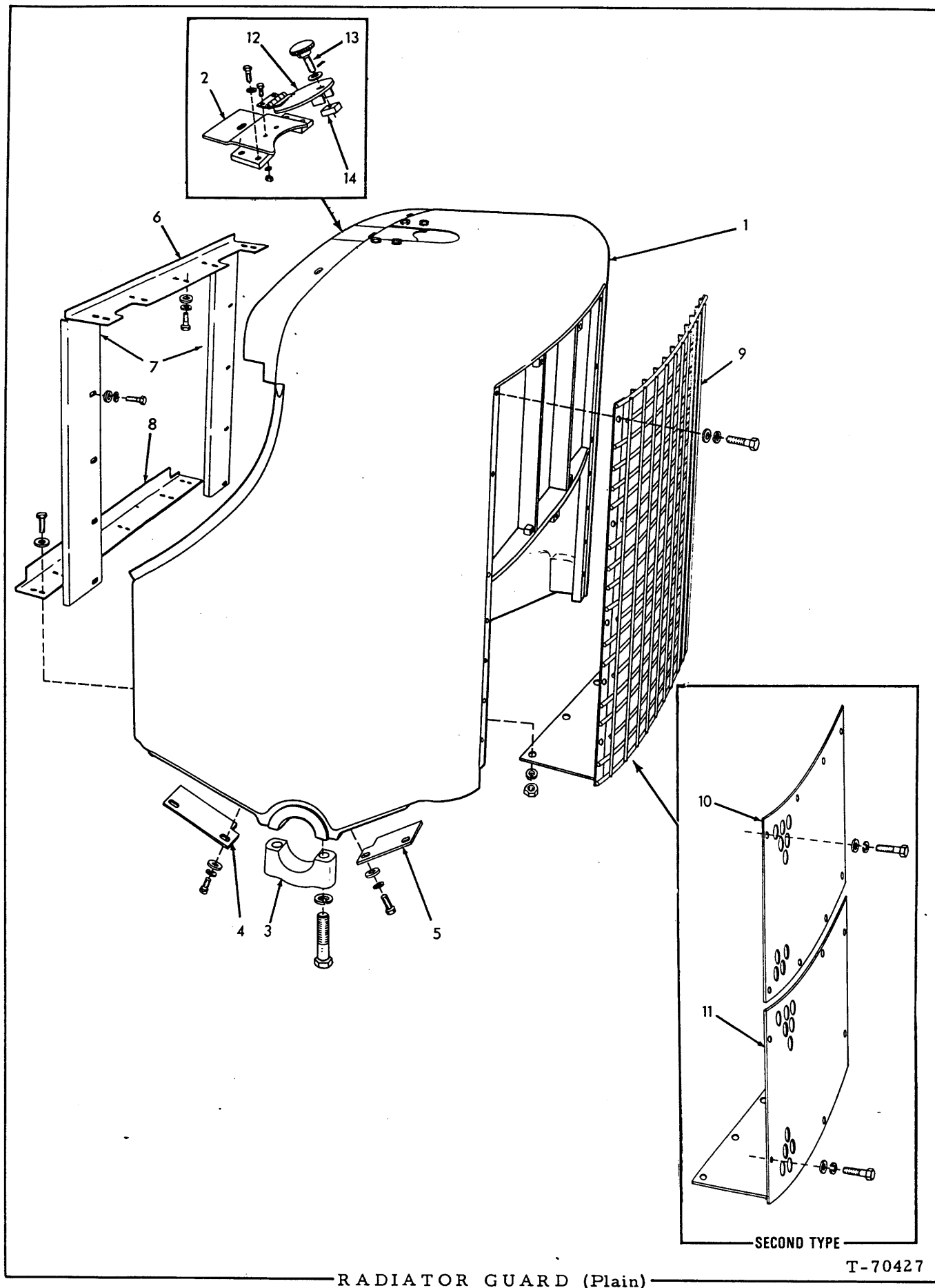
STREET PLATES

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.

(Revised May 1979)



RADIATOR GUARD (Plain)

T-70427

RADIATOR GUARD
(Plain type)

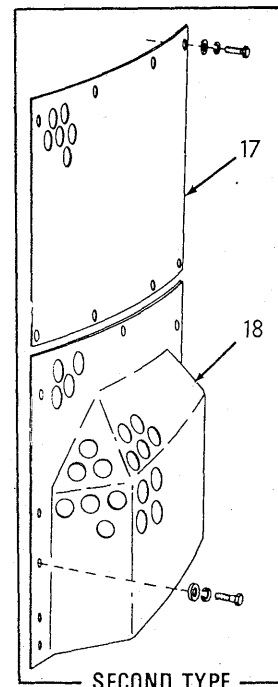
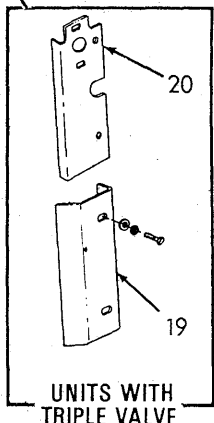
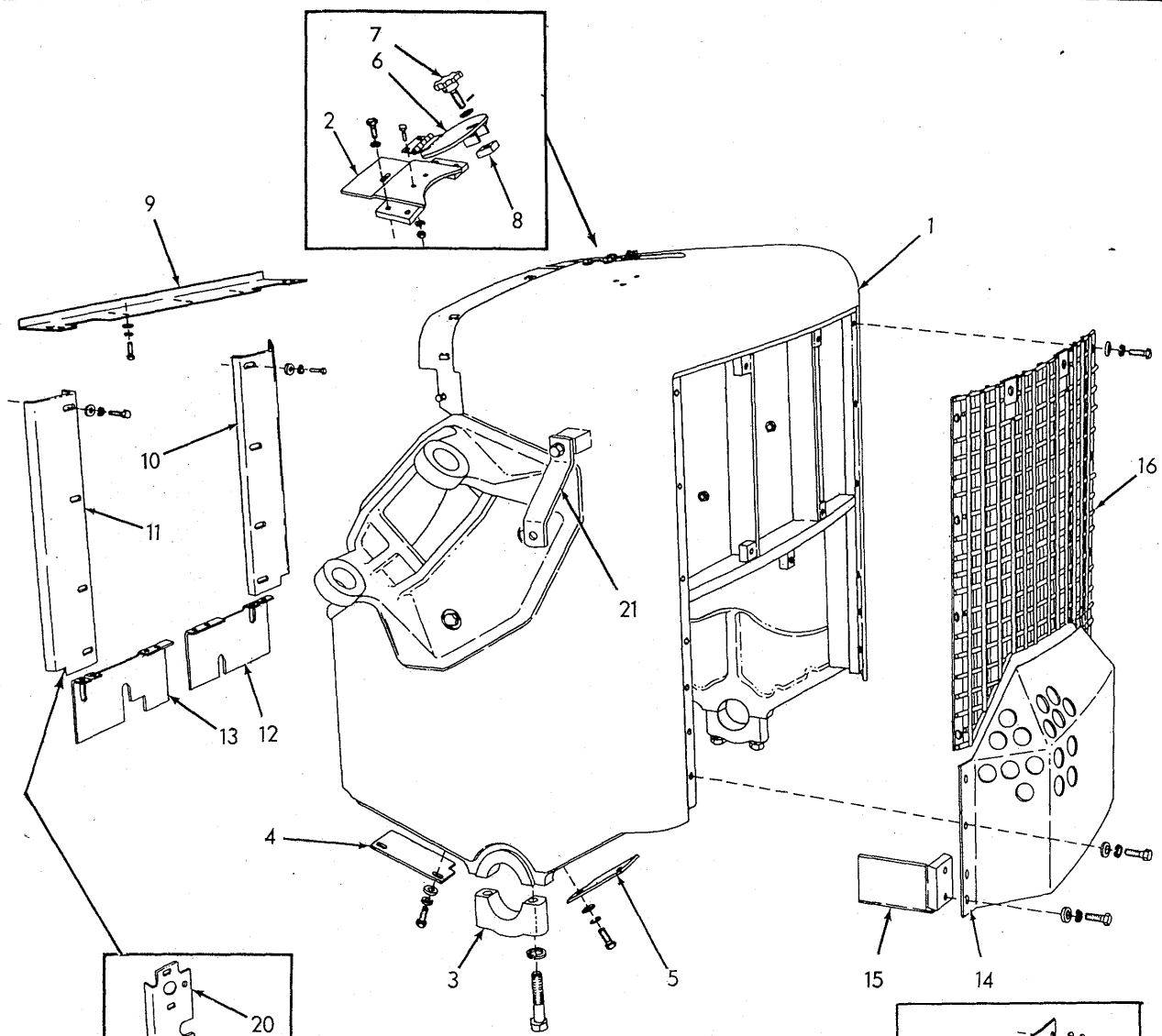
USAGE: Standard equipment. See following pages for optional designs.

* 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.

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

ITEM	PART NO.	QTY. * **		DESCRIPTION	
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)	} Tractors prior to #11609
	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	}
	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	

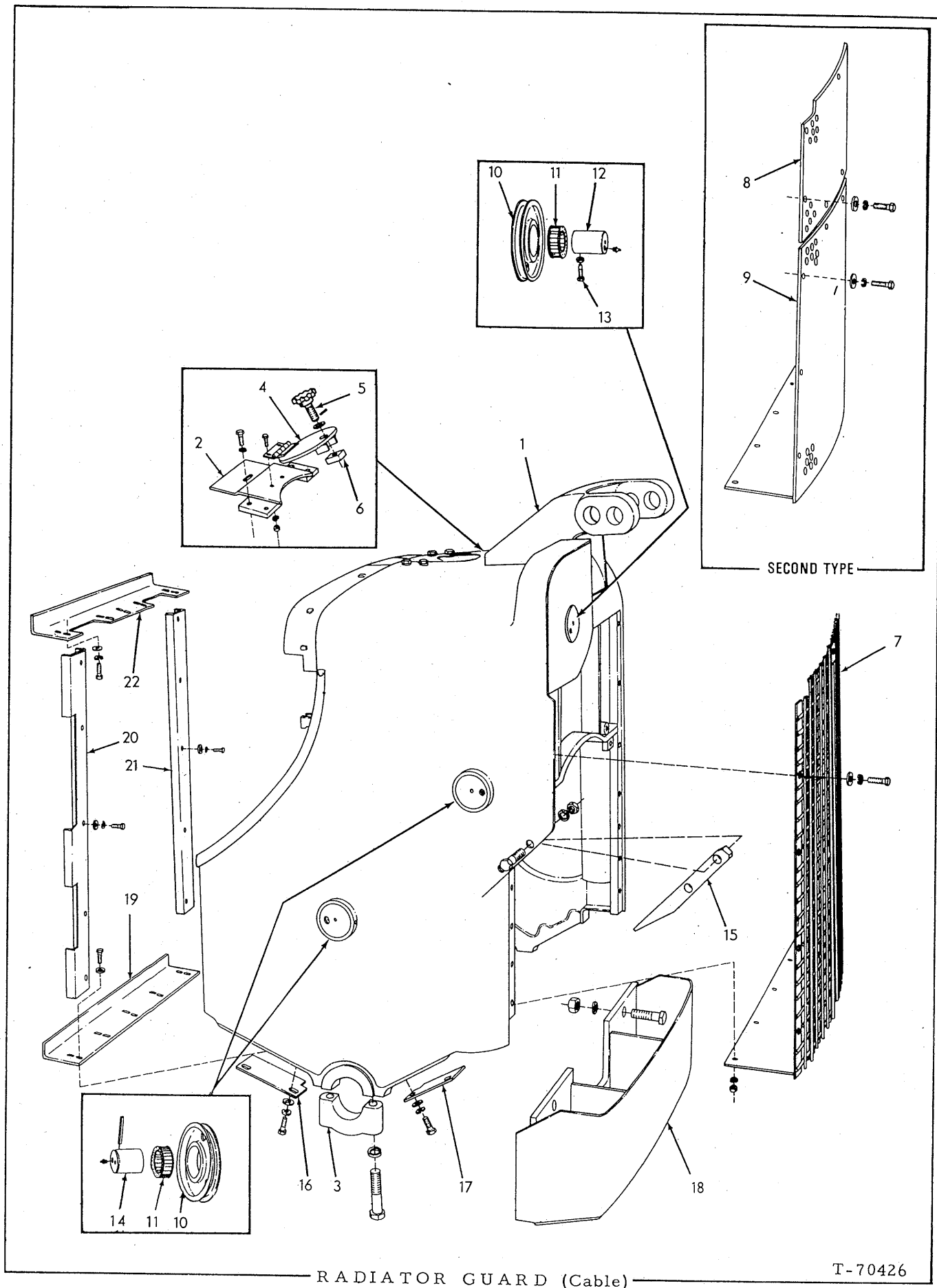
(Continued)

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"

NOTE: See PAINTING AND MARKING for transfers

MEMO



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	Each includes items 2 and 3
	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)	Tractors prior to #11609
	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"	

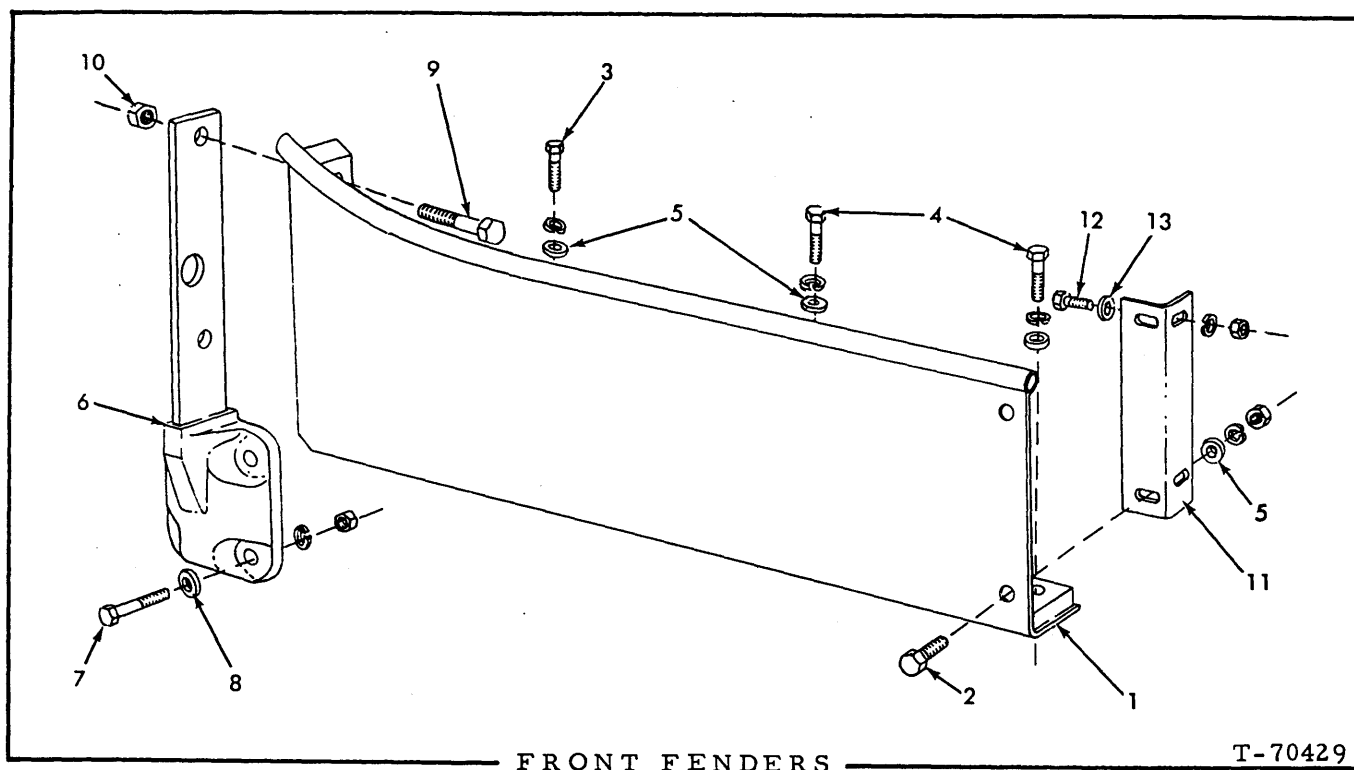
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RADIATOR GUARD (Continued)

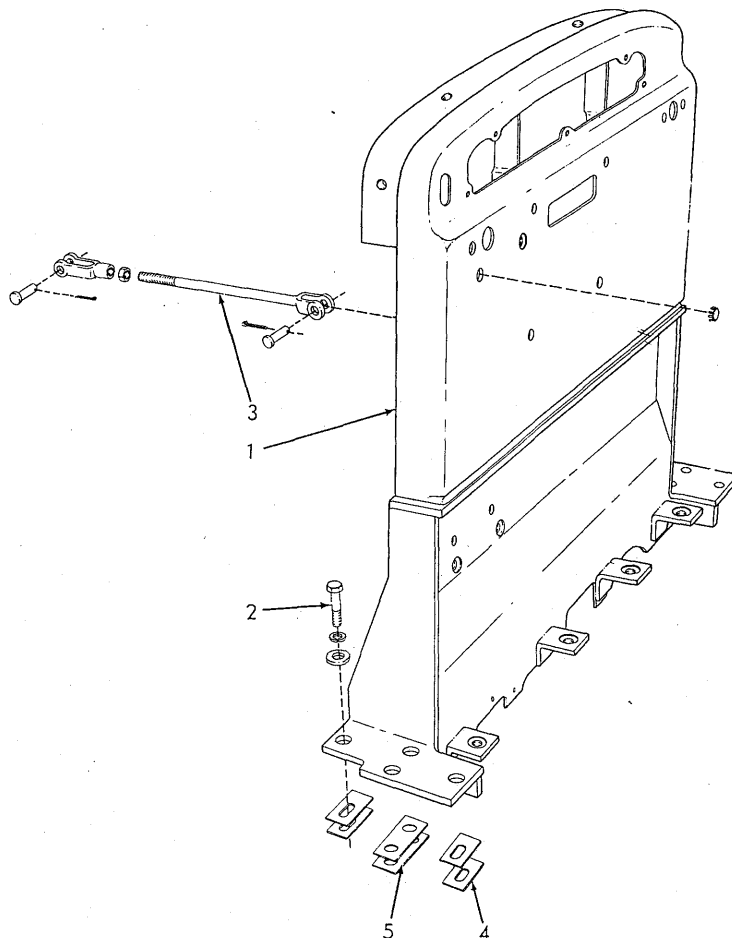
(Cable type)

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



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



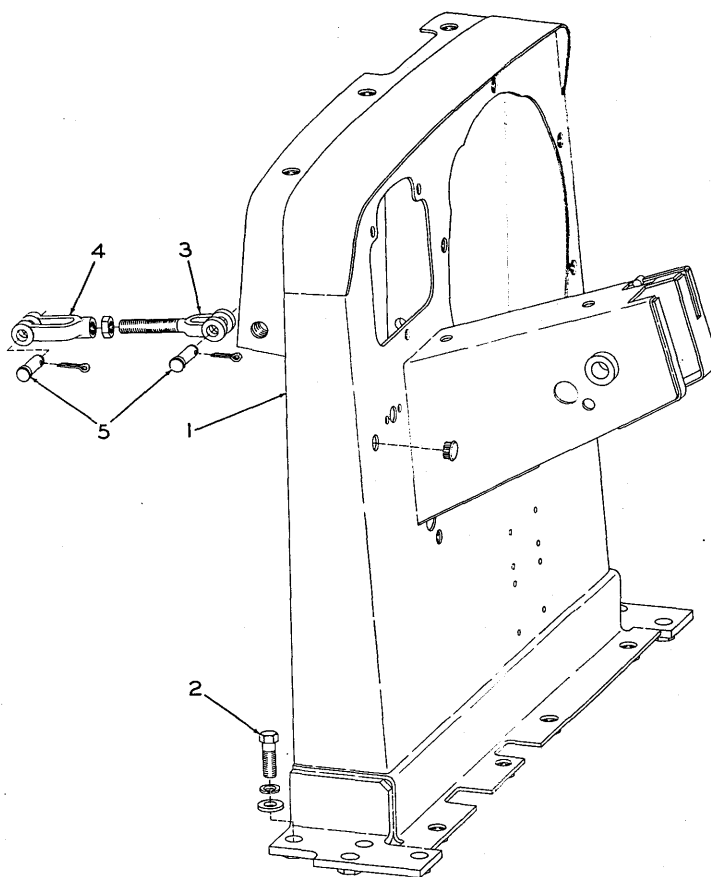
T-72364

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)
	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	YOKE, 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

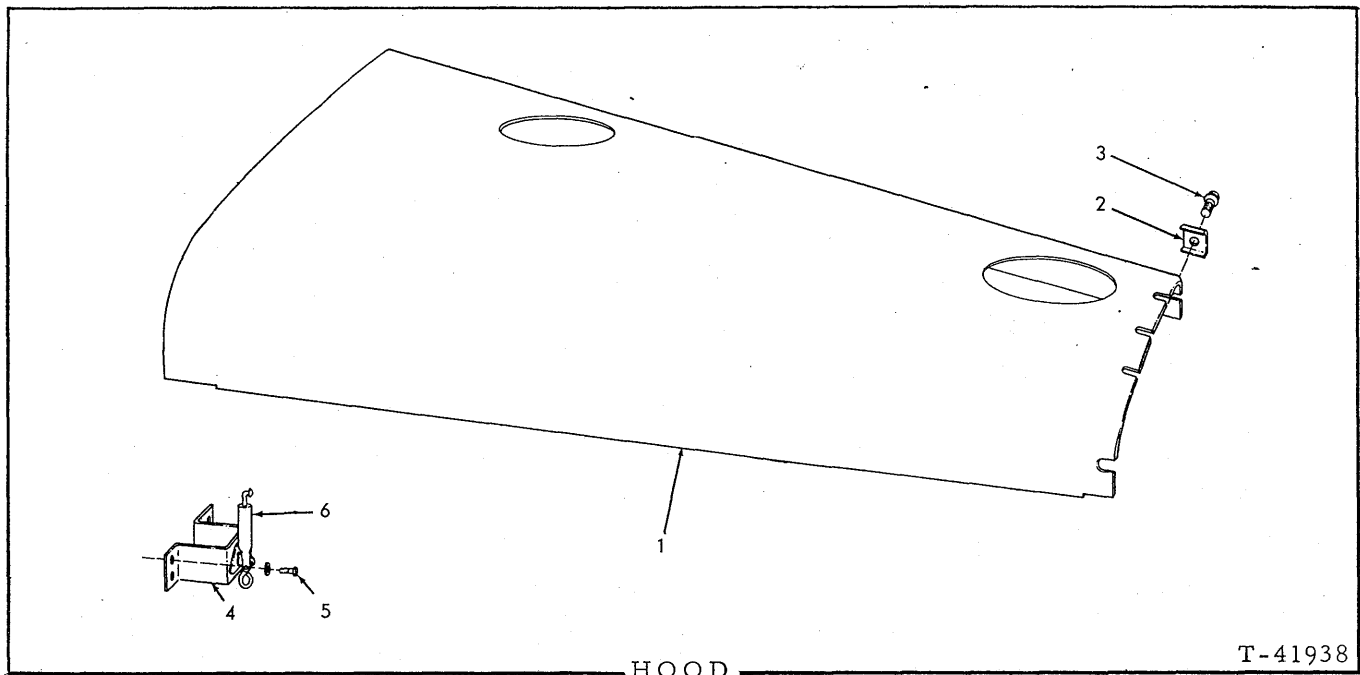
COWL

USAGE: Tractors serial No. 13367 and up

ITEM PART NO. QTY. DESCRIPTION

1	70657871	1	COWL
	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	70070678	1	ROD, cowl bracing
	70913830	1	NUT, jam, 1/2"NF
4	70917666	1	YOKE, cowl bracing
5	70917648	2	PIN, cowl bracing yoke
	70900806	2	PIN, cotter, 1/8" x 1"

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

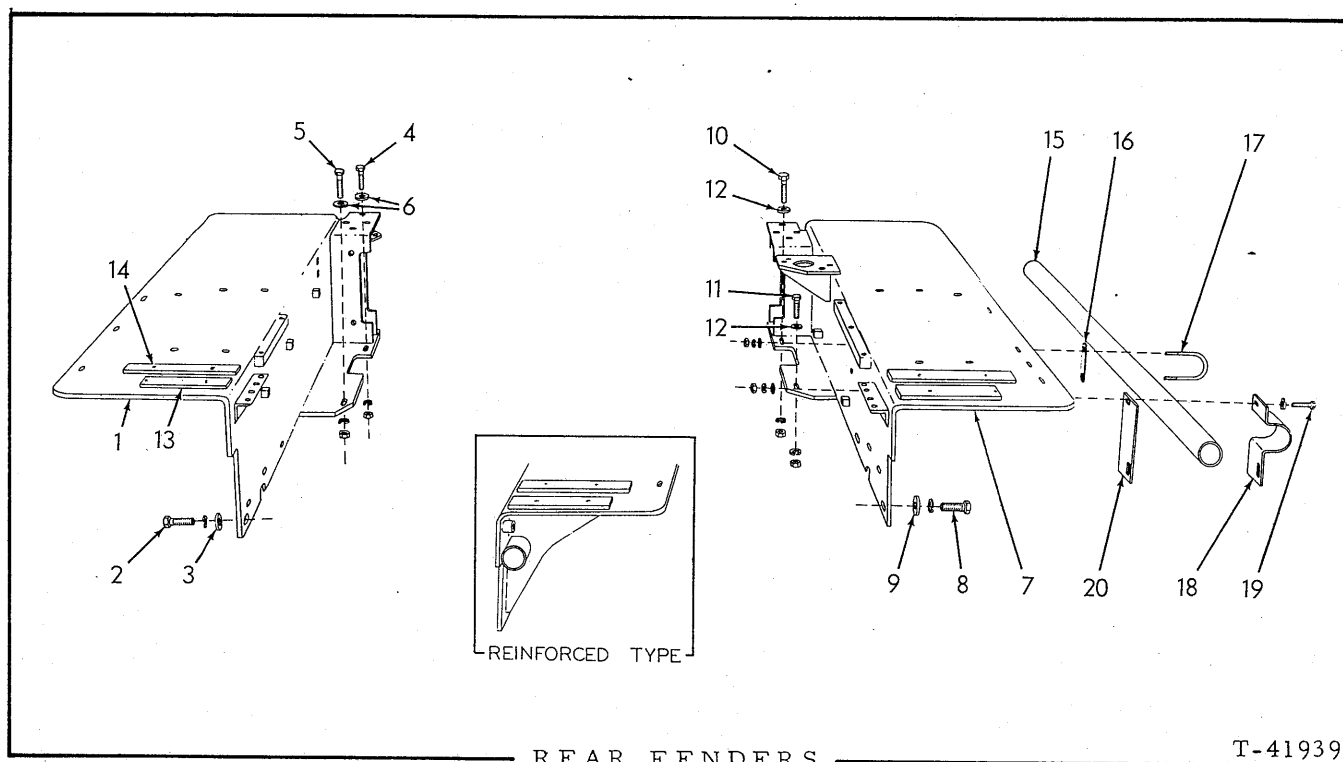


* Tractors prior to serial No.13367
 ** Tractors serial No.13367 and up

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)
5	70012992	8	- CAPSCREW, 3/8"NF x 1-1/4" (Early units)
	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

MEMO



USAGE: Tractors prior to serial No. 12201

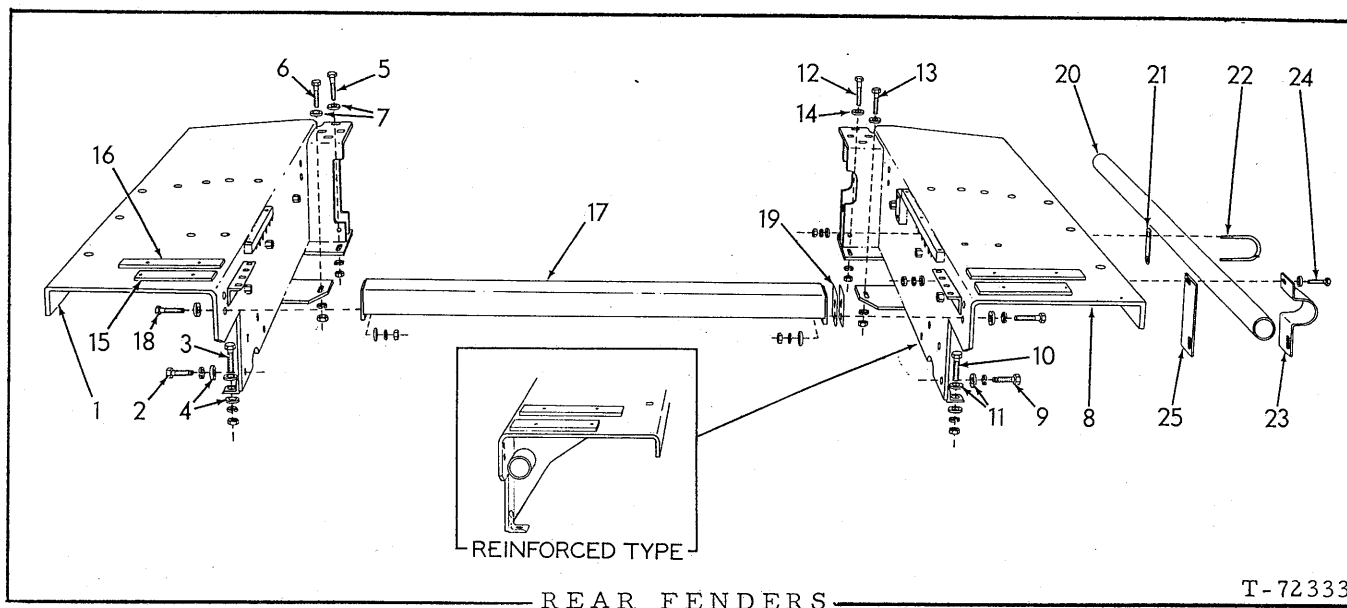
* Standard
** Special (Reinforced type)

ITEM	PART NO.	QTY.		DESCRIPTION	
		*	**		
1	70649579	1	-	FENDER ASSEMBLY, left side	Each includes items 13 and 14
	70649595	-	1	FENDER ASSEMBLY, left side	
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	Each includes items 13 and 14
	70649596	-	1	FENDER ASSEMBLY, right side	
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)
NOTE: 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



USAGE: Tractors serial No. 12201 and up

*Standard
 **Special (Reinforced type)

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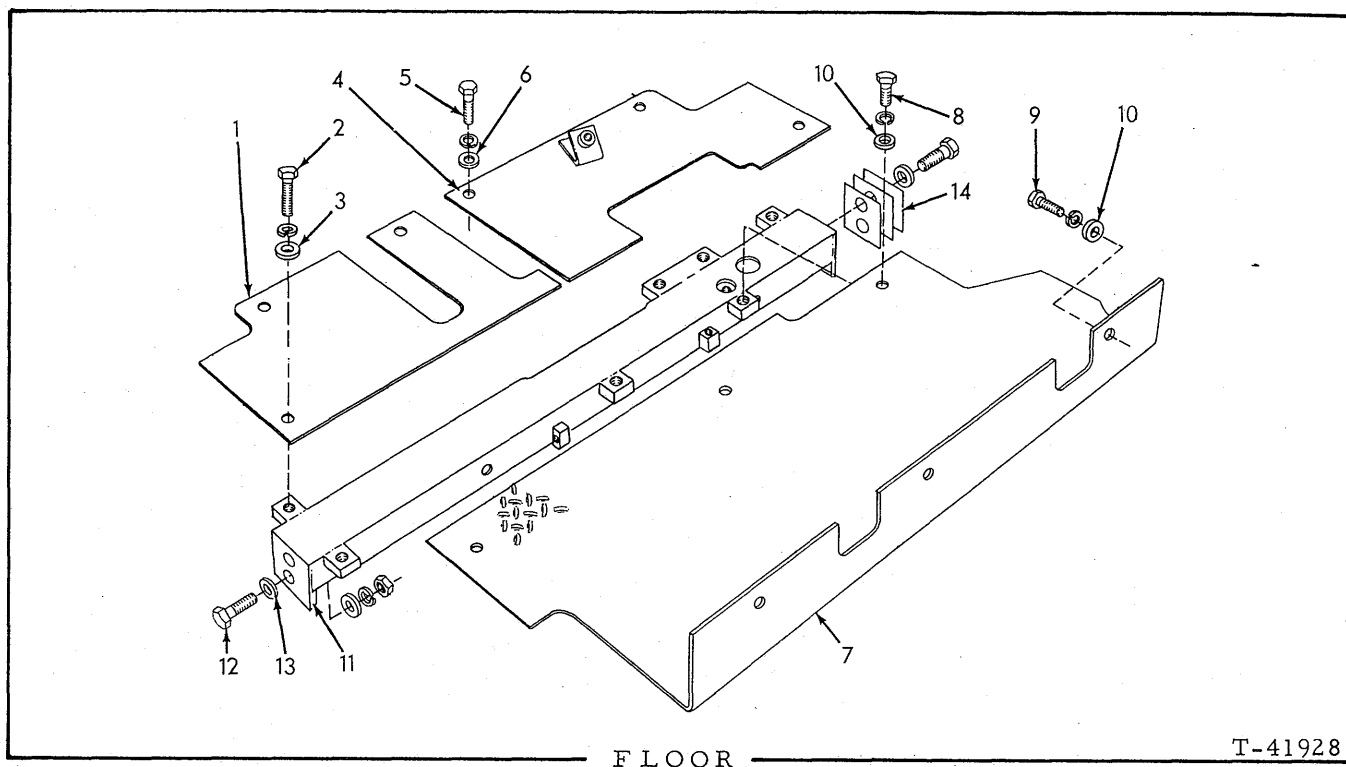
NOTE: Each Fender Assembly listed below includes items 15 and 16

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

(Continued)

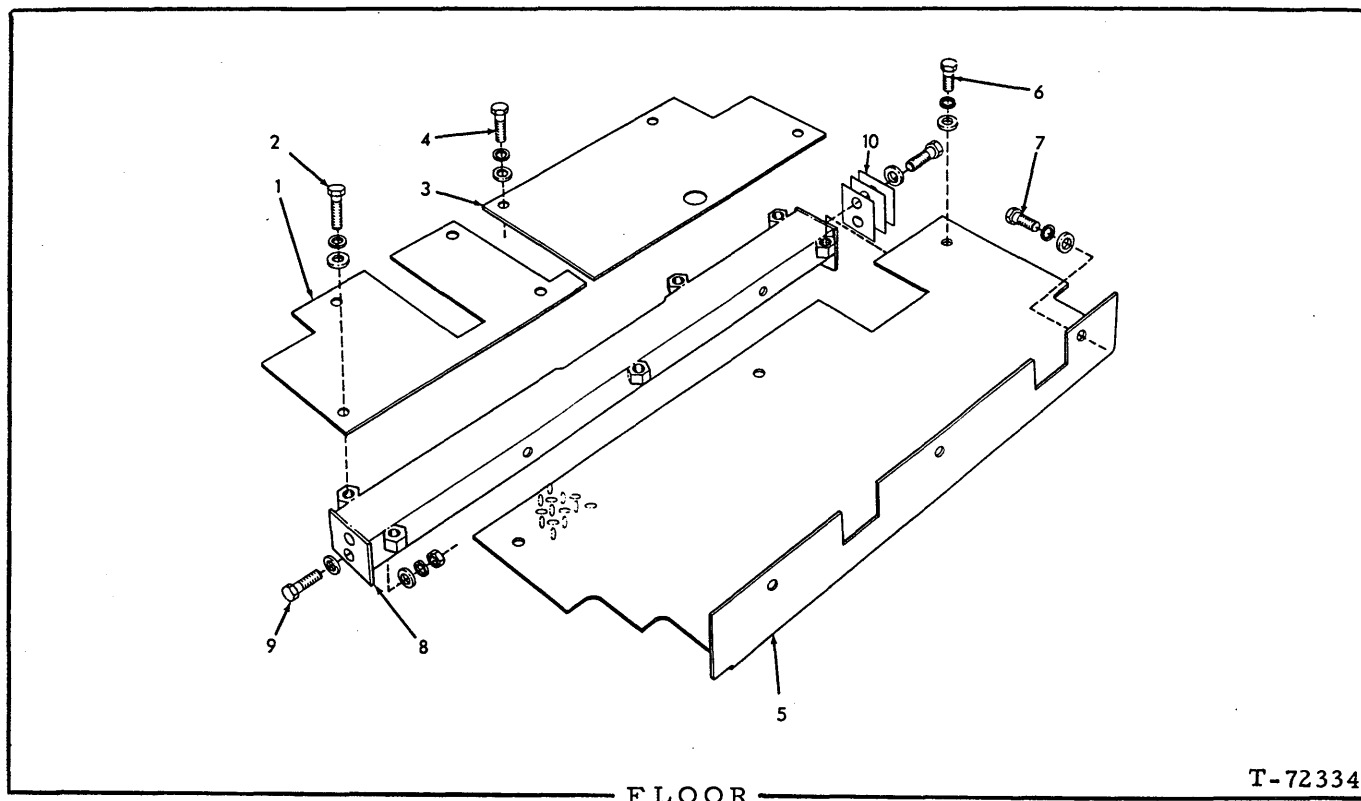
REAR FENDERS (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
15	70640606	2	2	PAD, fuel tank (short)
	70083915	4	4	RIVET, split, 3/16" x 3/4" (Not original equipment)
16	70640603	2	2	PAD, fuel tank (long)
	70083915	4	4	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	4	4	CAPSCREW, 1/2"NF x 2"
	70064531	8	8	WASHER, plain
	70904208	4	4	LOCKWASHER, 1/2"
	70911043	4	4	NUT, 1/2"NF
19	70650823	2	2	SHIM, bracing angle (1/16" thick)
	70650822	1	1	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	3	-	U-BOLT, cable pipe
	70044973	6	-	WASHER, plain
	70904206	6	-	LOCKWASHER, 3/8"
	70911041	6	-	NUT, 3/8"NF
23	70095189	1	-	CLAMP, cable pipe
24	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
25	70095192	1	-	SPACER, cable pipe, rear



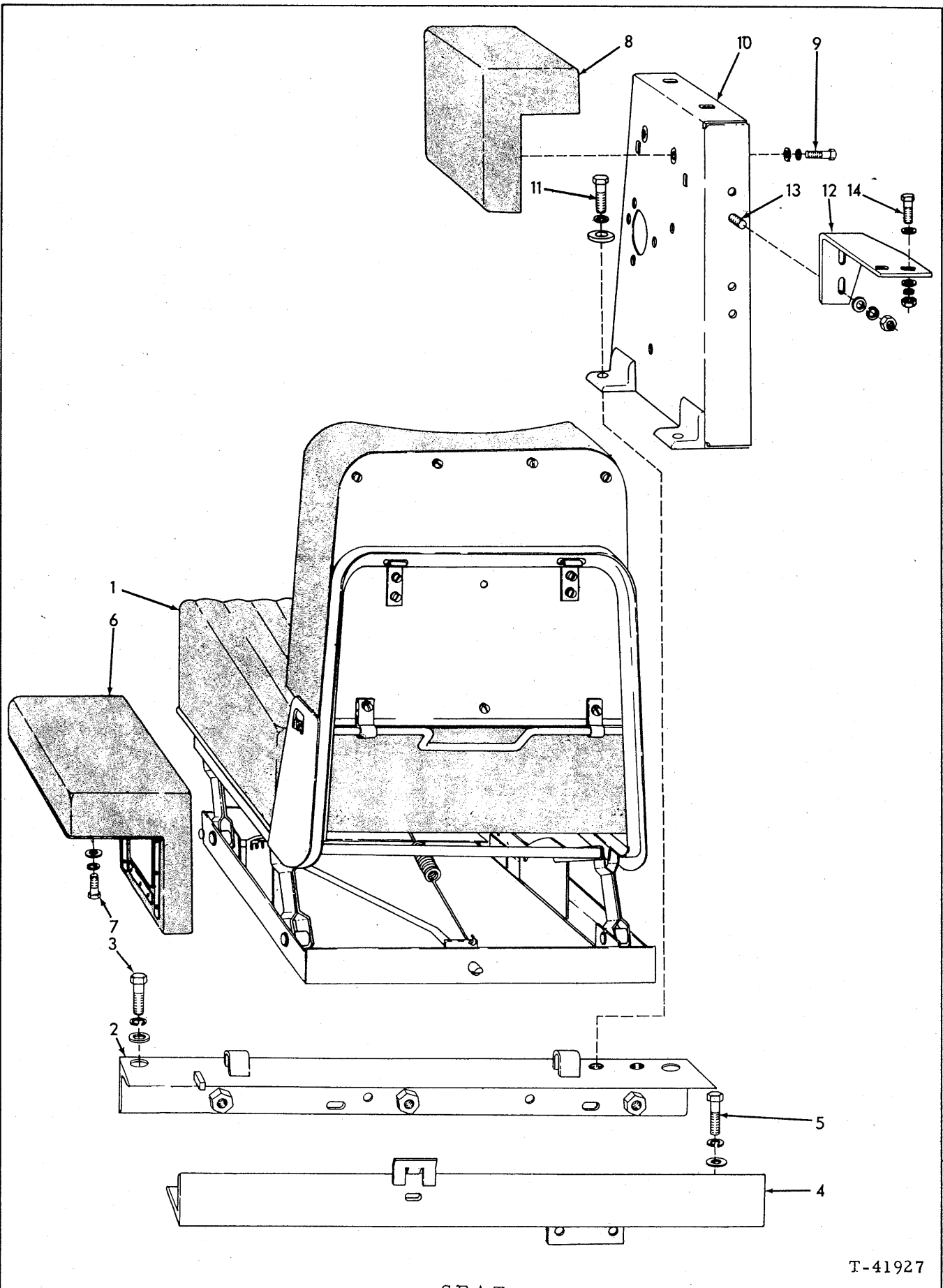
USAGE: Tractors prior to serial No. 12201

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"
12	70035073	4	CAPSCREW, 1/2"NF x 1-3/4" (Early units with reinforced Rear Fenders)
	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)



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
9	70035067	4	CAPSCREW, 1/2"NF x 2"
	70035236	4	CAPSCREW, 1/2"NC x 1-3/4" (Units with reinforced rear fenders)
	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)

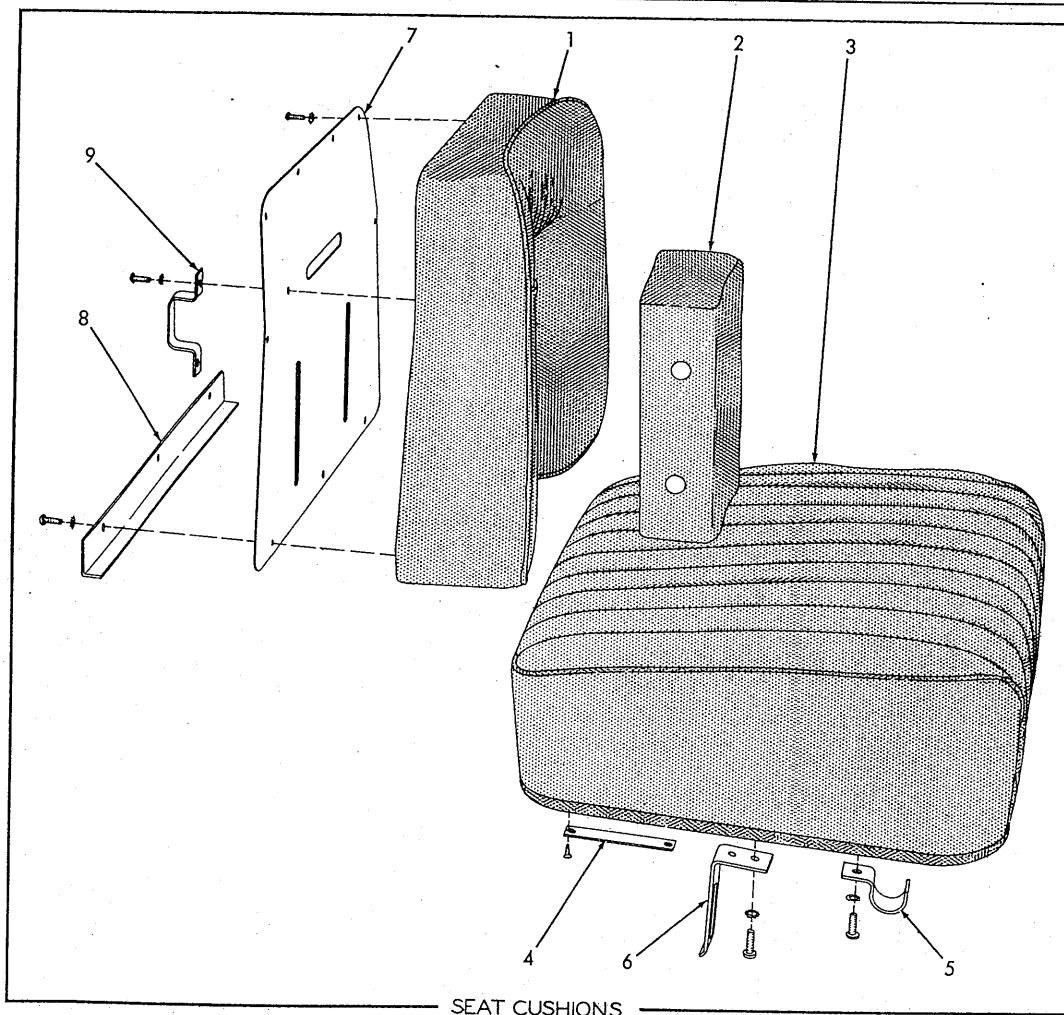


SEAT

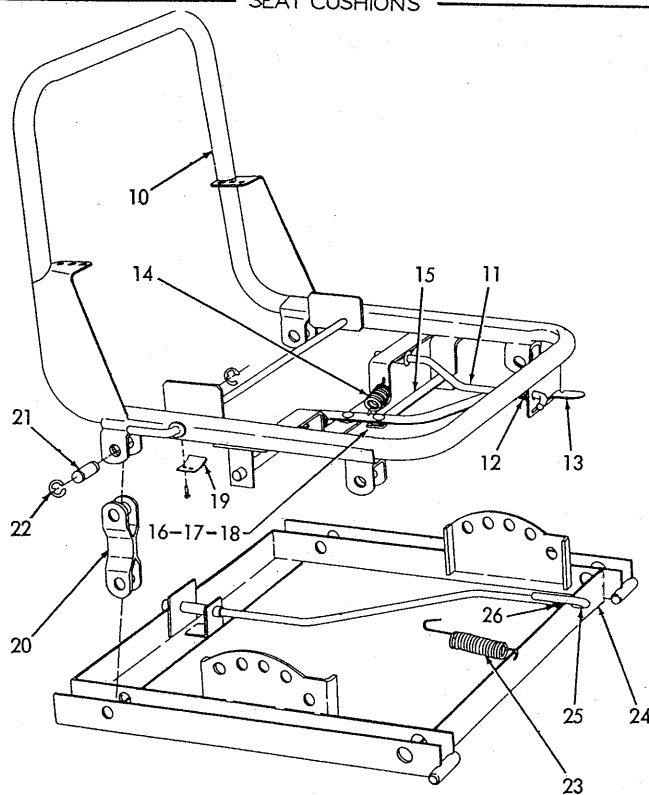
T-41927

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



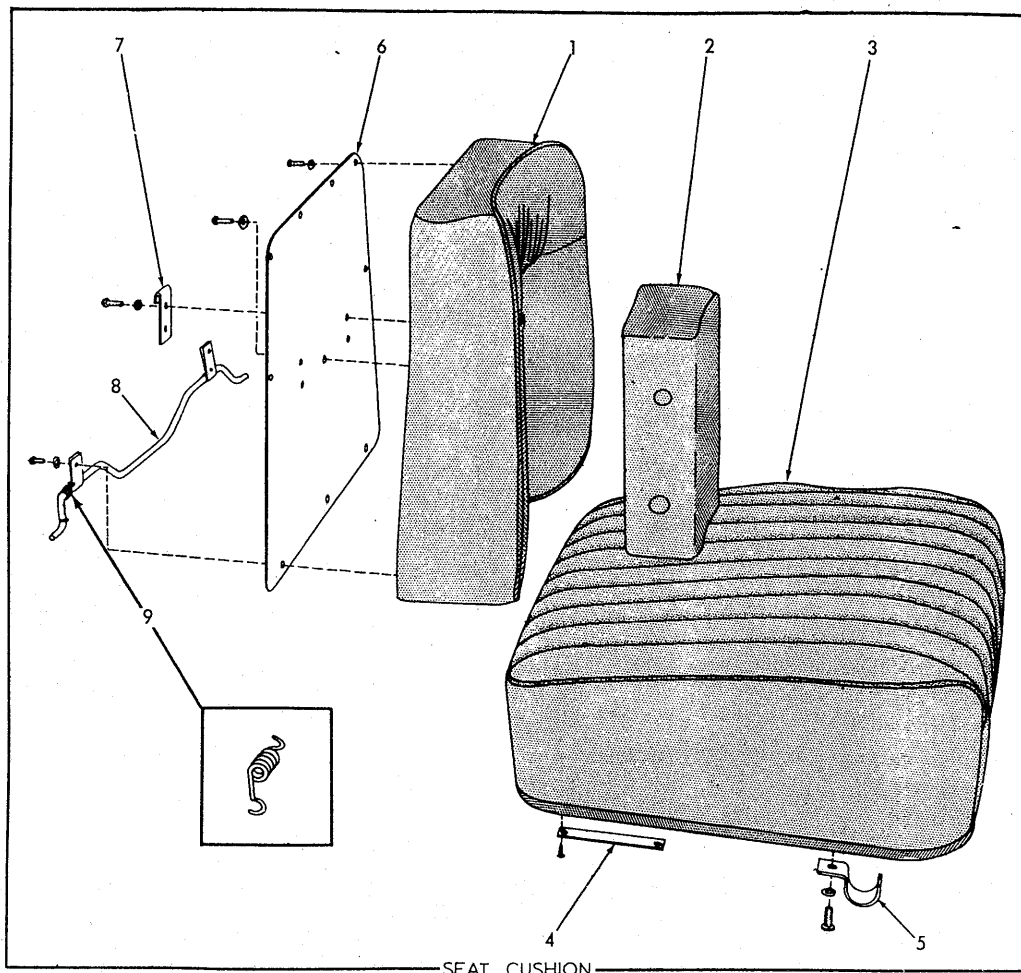
SEAT ASSEMBLY 70632053

T-39321

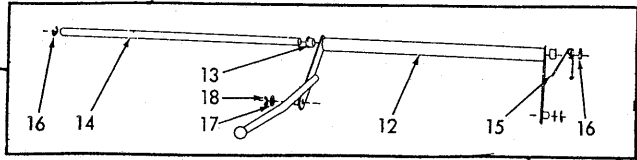
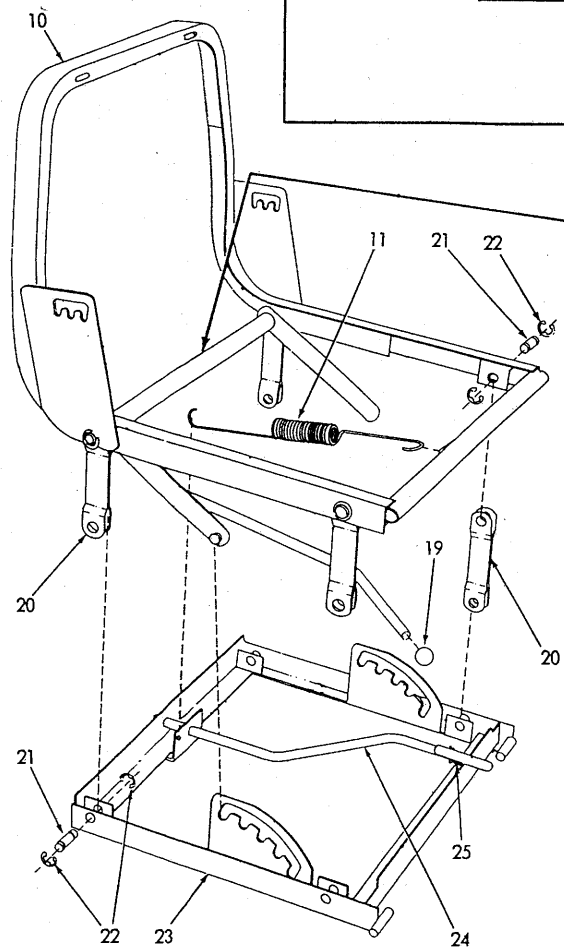
SEAT ASSEMBLY 70632053

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



SEAT CUSHION



SEAT ASSEMBLY 70659093

T-71877

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

NOTE: 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

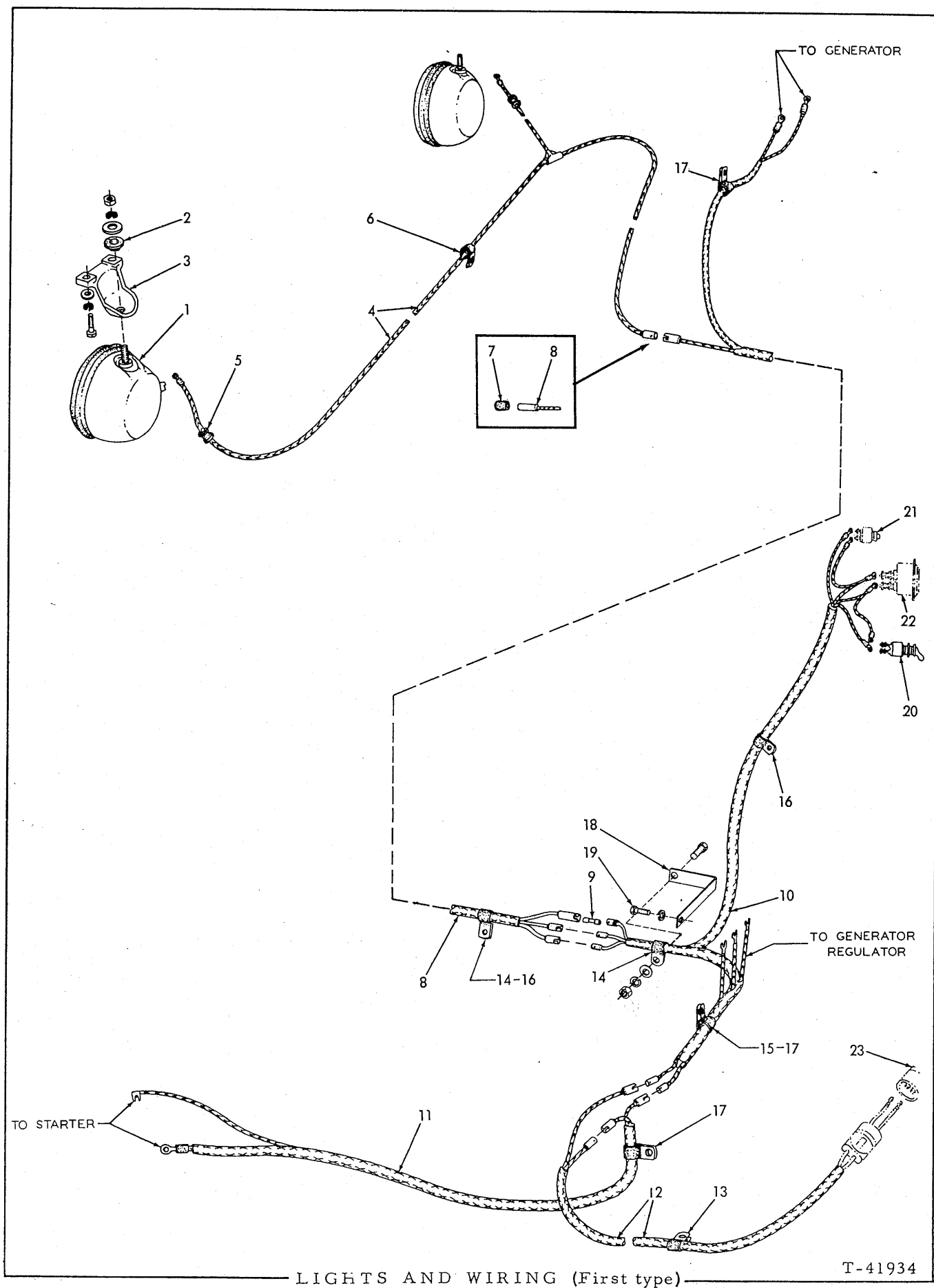
- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------|---|---|---|-------------------------------|---|----------|---|---|---|----------|---|--|---|----------|---|--|---|----------|---|---|---|----------|---|---|----|----------|---|--|----|----------|---|---|----|----------|---|---|---|----------|---|--|---|--------------------------|----------|---|--|-----|----------|---|--|--|--|
| { | 70639994 | 1 | PLATE, lubrication and service guide (7" x 10")
(Tractors prior to #12201) | } | Attached to right battery box | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 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) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="0" style="width: 100%;"> <tr> <td style="vertical-align: top;">5</td> <td style="vertical-align: top;">70034076</td> <td style="vertical-align: top;">4</td> <td style="vertical-align: top;">SCREW, thread-cutting, cross-recessed-hd., #8 x 1/2"
(2 additional required for multi-language plates)</td> </tr> <tr> <td style="vertical-align: top;">6</td> <td style="vertical-align: top;">70621357</td> <td style="vertical-align: top;">1</td> <td style="vertical-align: top;">TRANSFER, lubrication certification (3-7/8" x 6-3/4")(Applied to left battery box)</td> </tr> <tr> <td style="vertical-align: top;">7</td> <td style="vertical-align: top;">70924548</td> <td style="vertical-align: top;">2</td> <td style="vertical-align: top;">□ TRANSFER, "ALLIS-CHALMERS" (1-1/4" x 20")(Applied to sides of seat on units prior to March 1968)</td> </tr> <tr> <td style="vertical-align: top;">8</td> <td style="vertical-align: top;">70924550</td> <td style="vertical-align: top;">1</td> <td style="vertical-align: top;">□ TRANSFER, "ALLIS-CHALMERS" (1-7/8" x 30")(Applied to front of radiator guard)</td> </tr> <tr> <td style="vertical-align: top;">9</td> <td style="vertical-align: top;">70924551</td> <td style="vertical-align: top;">2</td> <td style="vertical-align: top;">□ TRANSFER, "ALLIS-CHALMERS" (2-1/4" x 36")(Applied to sides of hood)</td> </tr> <tr> <td style="vertical-align: top;">10</td> <td style="vertical-align: top;">70924552</td> <td style="vertical-align: top;">1</td> <td style="vertical-align: top;">□ TRANSFER, "ALLIS-CHALMERS" (2-3/8" x 39")(Applied to rear of seat)</td> </tr> <tr> <td style="vertical-align: top;">11</td> <td style="vertical-align: top;">70661225</td> <td style="vertical-align: top;">3</td> <td style="vertical-align: top;">□ TRANSFER, "HD11" (6" x 12 -1/2")(Applied to sides of seat and to rear of fuel tank)</td> </tr> <tr> <td style="vertical-align: top;">12</td> <td style="vertical-align: top;">70632261</td> <td style="vertical-align: top;">2</td> <td style="vertical-align: top;">TRANSFER, "TORQUE CONVERTER-POWER SHIFT" design
(Applied to sides of seat)</td> </tr> <tr> <td rowspan="2" style="vertical-align: middle; font-size: 3em;">{</td> <td style="vertical-align: top;">70644625</td> <td style="vertical-align: top;">1</td> <td style="vertical-align: top;">□ TRANSFER, instruction, fuel filter (1-3/4" x 2-1/4")
(Applied to 1st stage fuel filter)</td> <td rowspan="2" style="vertical-align: middle; font-size: 3em;">}</td> <td rowspan="2" style="vertical-align: middle; padding-left: 10px;">Tractors prior to #12201</td> </tr> <tr> <td style="vertical-align: top;">70644741</td> <td style="vertical-align: top;">1</td> <td style="vertical-align: top;">TRANSFER, instruction, fuel filter (multi-language, 3-3/4" x 3-1/4")(Applied to 1st stage fuel filter)</td> </tr> <tr> <td style="vertical-align: top;">13A</td> <td style="vertical-align: top;">70666497</td> <td style="vertical-align: top;">1</td> <td style="vertical-align: top;">TRANSFER, instruction, engine operation (2-1/4" x 4-1/2")
(Applied to dash)</td> <td></td> <td></td> </tr> </table> | | | | | | 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 | □ TRANSFER, "ALLIS-CHALMERS" (1-1/4" x 20")(Applied to sides of seat on units prior to March 1968) | 8 | 70924550 | 1 | □ TRANSFER, "ALLIS-CHALMERS" (1-7/8" x 30")(Applied to front of radiator guard) | 9 | 70924551 | 2 | □ TRANSFER, "ALLIS-CHALMERS" (2-1/4" x 36")(Applied to sides of hood) | 10 | 70924552 | 1 | □ TRANSFER, "ALLIS-CHALMERS" (2-3/8" x 39")(Applied to rear of seat) | 11 | 70661225 | 3 | □ 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) | { | 70644625 | 1 | □ TRANSFER, instruction, fuel filter (1-3/4" x 2-1/4")
(Applied to 1st stage fuel filter) | } | Tractors prior to #12201 | 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) | | |
| 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 | □ TRANSFER, "ALLIS-CHALMERS" (1-1/4" x 20")(Applied to sides of seat on units prior to March 1968) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 70924550 | 1 | □ TRANSFER, "ALLIS-CHALMERS" (1-7/8" x 30")(Applied to front of radiator guard) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 70924551 | 2 | □ TRANSFER, "ALLIS-CHALMERS" (2-1/4" x 36")(Applied to sides of hood) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 70924552 | 1 | □ TRANSFER, "ALLIS-CHALMERS" (2-3/8" x 39")(Applied to rear of seat) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 70661225 | 3 | □ 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) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| { | 70644625 | 1 | □ TRANSFER, instruction, fuel filter (1-3/4" x 2-1/4")
(Applied to 1st stage fuel filter) | } | Tractors prior to #12201 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 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	□ 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	□ 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	□ 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	□ TRANSFER, instruction, engine primer (1-3/4" x 6")(Applied to dash)	
21	70633384	1	□ 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	□ TRANSFER, turbocharger, altitude warning (1-3/4" x 3-1/2") (Applied to dash)	
24	70924320	1	□ 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	□ 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 (First type)

T-41934

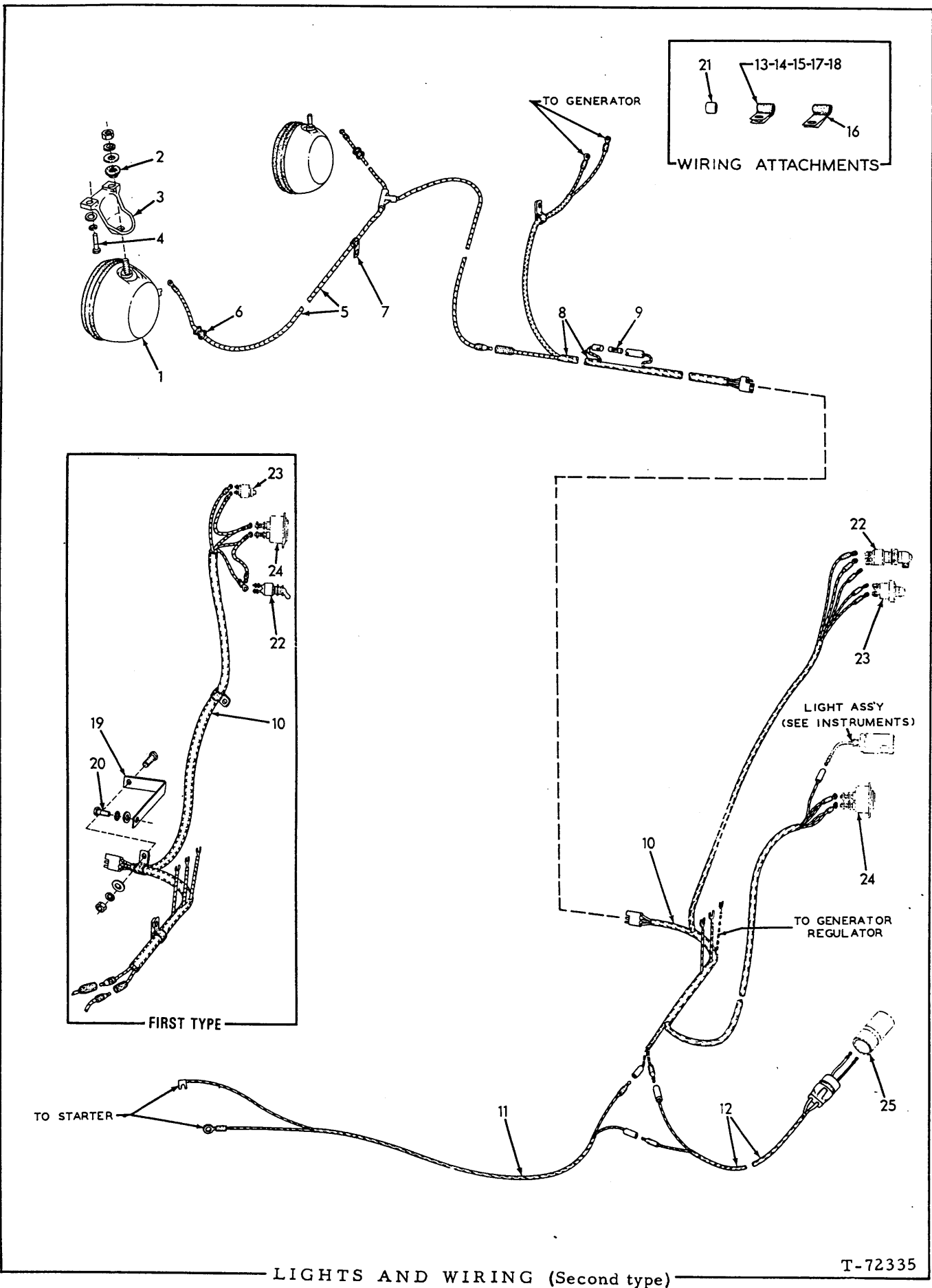
LIGHTS AND WIRING
(Positive ground)

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	70661345	1	SWITCH (Includes mounting nuts)
21	-----	-	SWITCH, push-button (See STARTER)
22	-----	-	AMMETER (See INSTRUMENTS)
23	-----	-	SWITCH, safety (See SPEED CONTROL LINKAGE)

*Special equipment

(Revised May 1979)
0651804-7



T-72335

LIGHTS AND WIRING
(Negative ground)

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

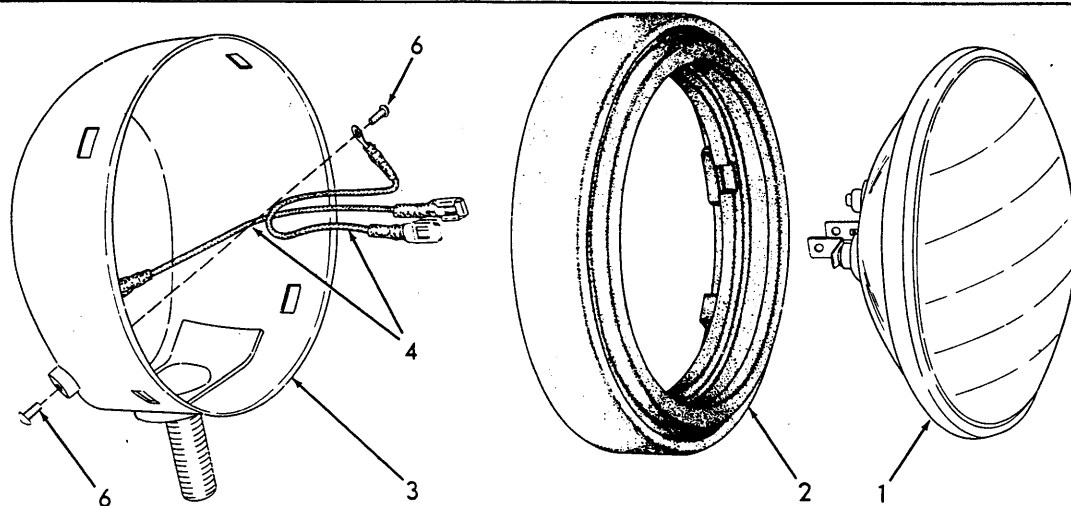
ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	70638283	2	2	*LIGHT ASSEMBLY, head (See page 323 for parts)
	70900818	2	2	*WASHER, plain, U.S. std., 1/2"
	70904205	2	2	*LOCKWASHER, 1/2"
	70911043	2	2	*NUT, 1/2"NF
2	70075535	2	2	*WASHER, head light mounting
3	70093195	2	2	*BRACKET, head light mounting
4	70035336	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)

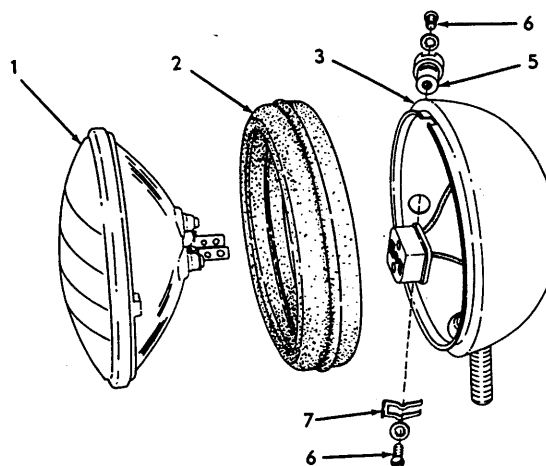
ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
15	70094527	2	-	CLIP, rear wiring harness (1/2" diam., 13/32" bolt-hole)
	70916271	1	-	CAPSCREW, 3/8"NC x 1"
	70904206	1	-	LOCKWASHER, 3/8"
	70911115	1	-	WASHER, plain, SAE std., 3/8"
16	70622161	-	1	CLIP, wiring harness (1/2" diam., 13/32" bolt-hole, long type)
	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-botton (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"

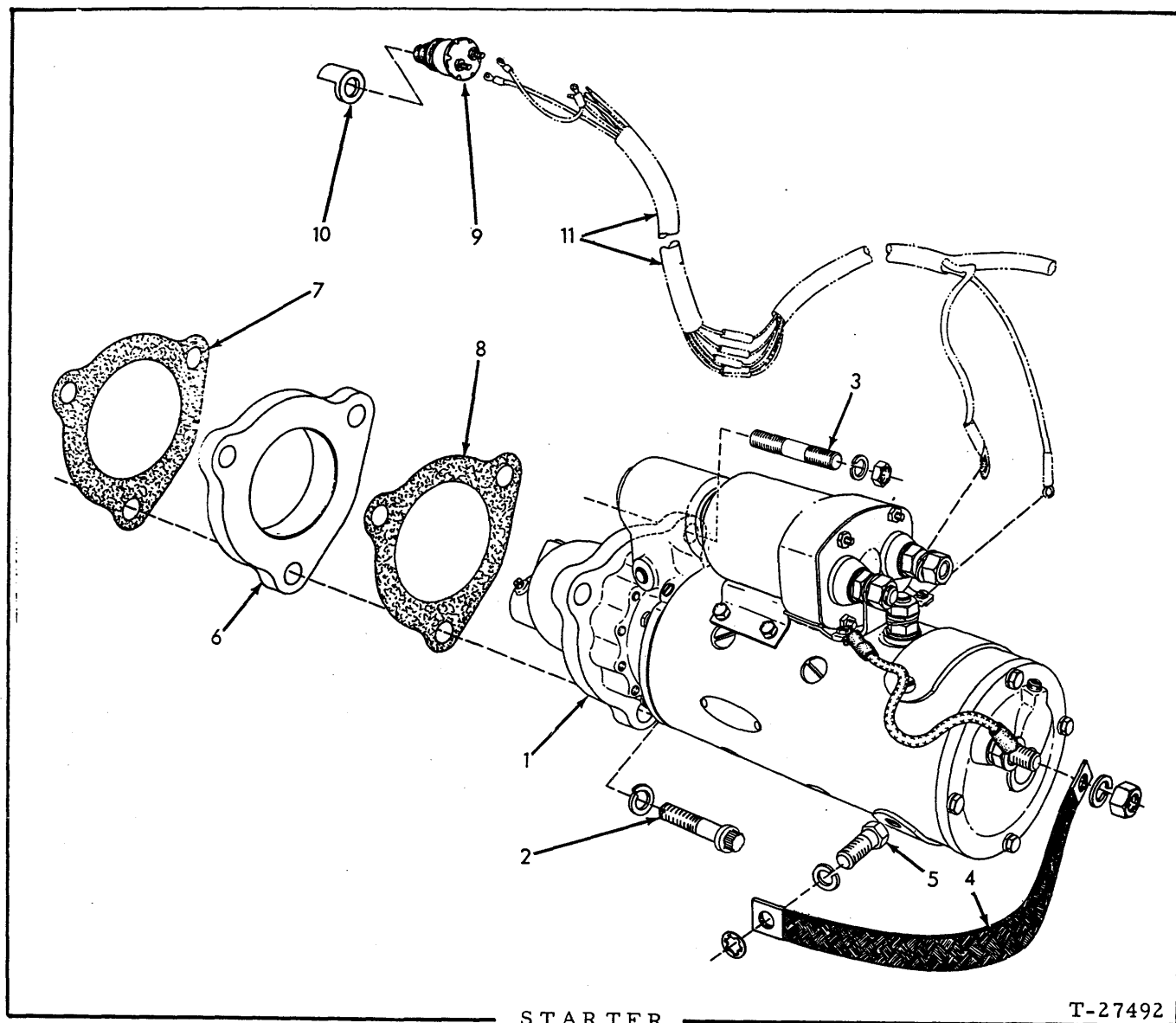
ITEM	PART NO.	QTY.	DESCRIPTION
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* **

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

-	70621429	2 2	LIGHT ASSY. (Includes items 1 thru 7)
1	70182763	1 1	SEALED BEAM (24 volt)
2	70621428	1 -	RETAINER
	70638282	- 1	RETAINER
3	-----	1 -	BODY
	-----	- 1	BODY (Includes receptacle)
4	70621724	2 -	CABLE
5	70695694	- 1	INSULATOR PACKAGE
6	70912731	2 2	SCREW, machined, rd-hd., #8NC x 5/16"
	70912739	- 2	LOCKWAXHER, #8
7	70048922	- 1	SPRING

} Not serviced separately



ITEM PART NO. QTY. DESCRIPTION

1	-----	1	MOTOR, starting (Delco-Remy No. 1113900)(Original equipment. Order MOTOR 74387529)
	74387529	1	MOTOR, starting (Delco-Remy No. 1113898. Was formerly No. 1113895)(Not original equipment)
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"

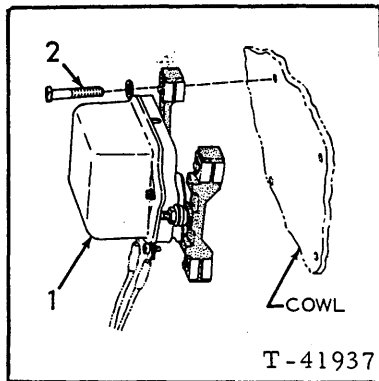
NOTE: Order starting motor parts from local service agency.

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)

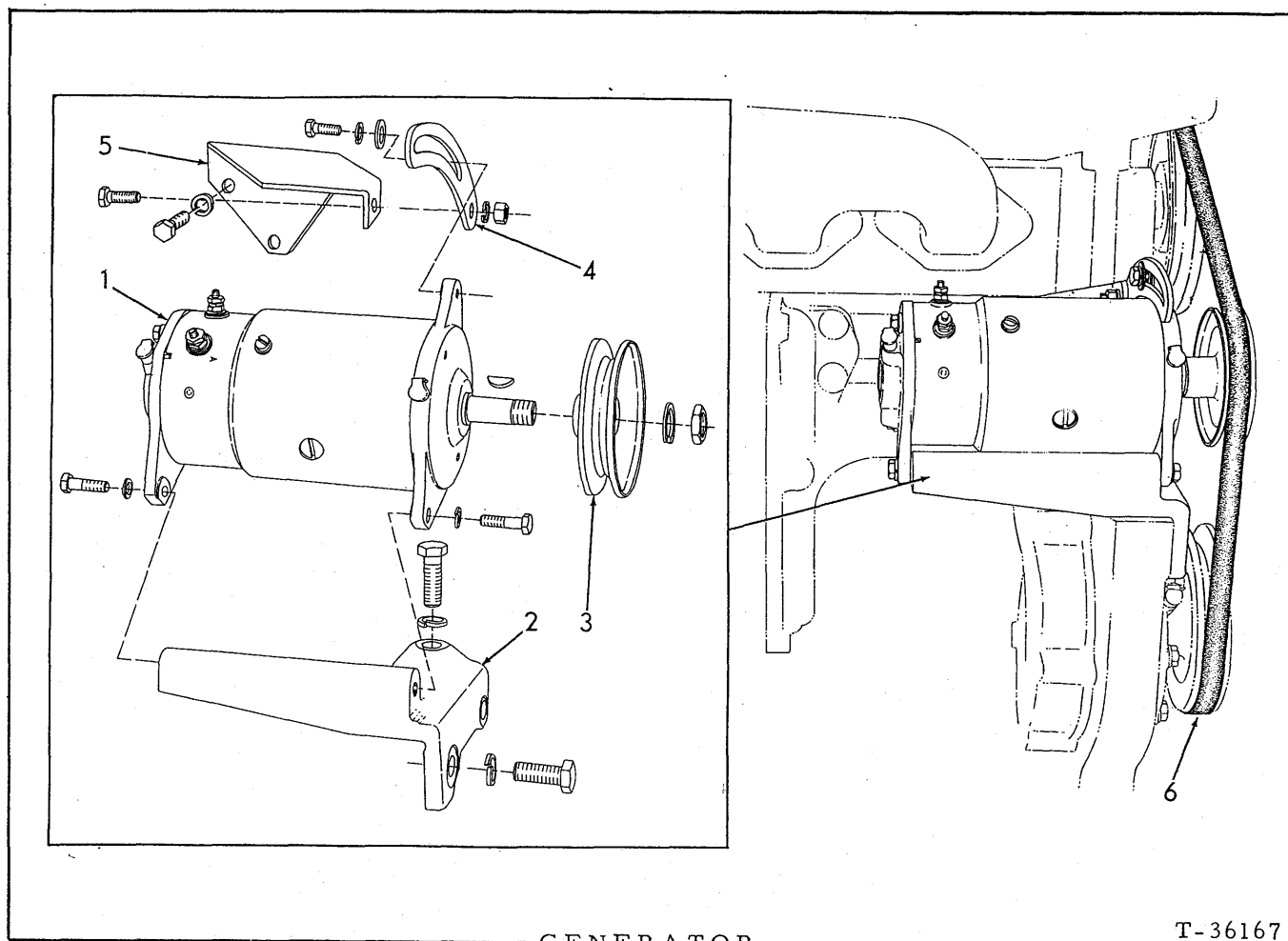
ITEM	PART NO.	QTY.	DESCRIPTION
6	70621278	1	ADAPTER, starting motor
7	70620420	1	GASKET, starting motor adapter
8	70620366	1	GASKET, starting motor
9	70240962	2	SWITCH ASSEMBLY, push button (Includes mounting nut)
10	70634677	1	GUARD, starter switch (Used prior to tractor # 13368)
11	-----	1	WIRING HARNESS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



GENERATOR REGULATOR

ITEM	PART NO.	QTY.	DESCRIPTION
1	70090048	1	REGULATOR, voltage and current (positive ground)(Tractors prior to #12201)
	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	4	CAPSCREW, 1/4"NC x 1-1/4"
	70904204	4	LOCKWASHER, 1/4"

NOTE: Procure regulator service from local service agency.



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

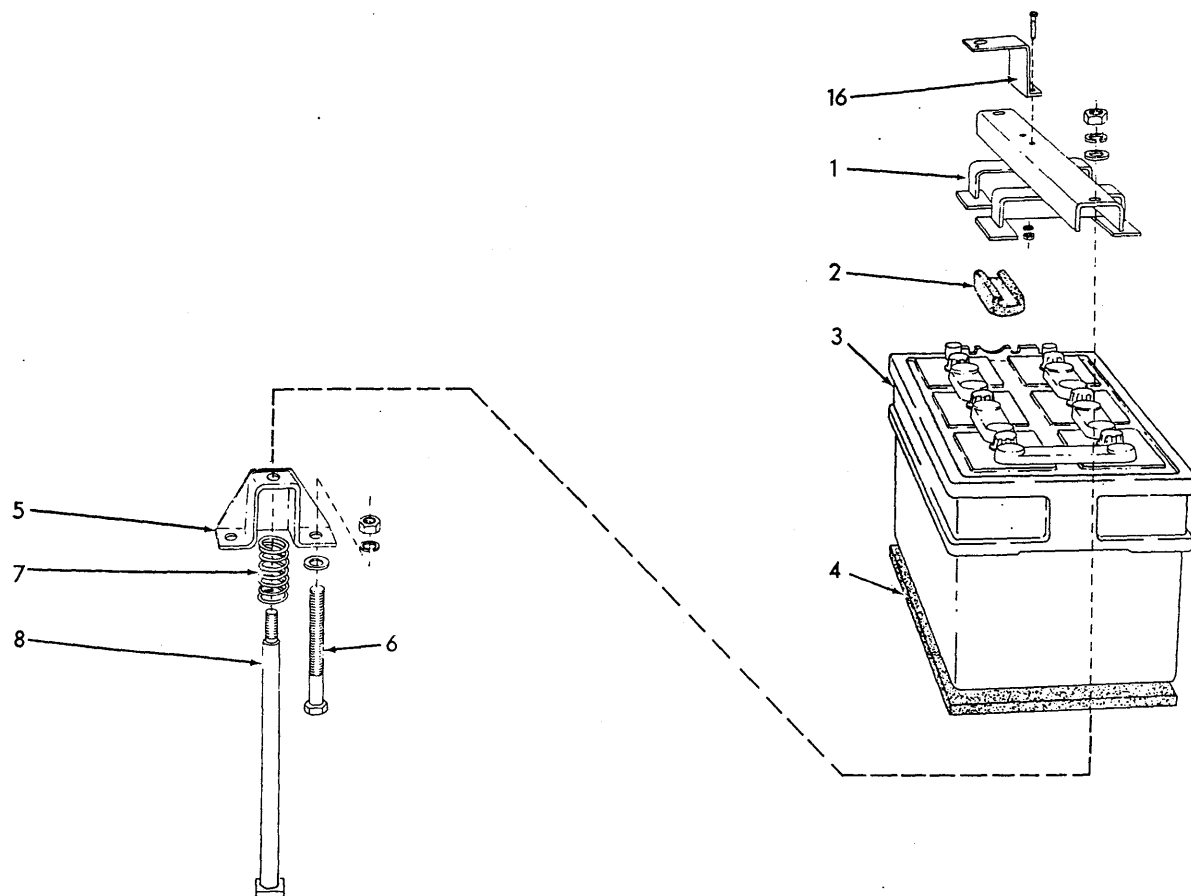
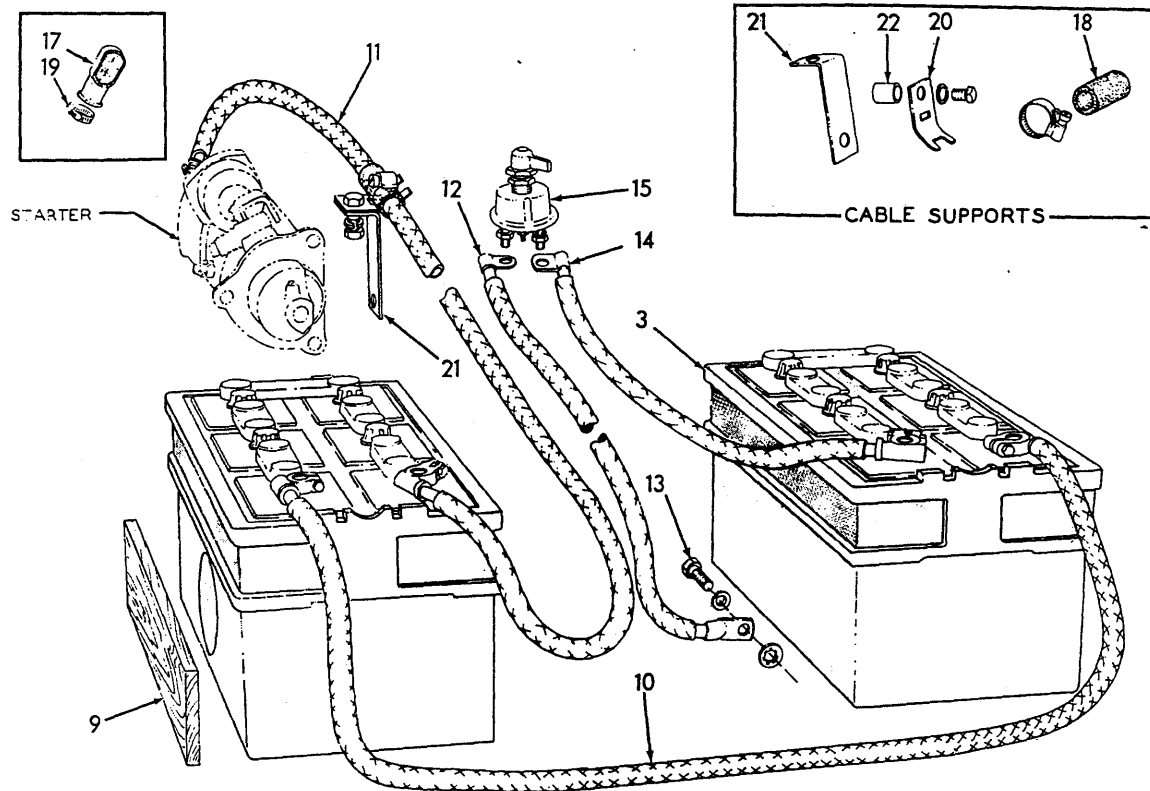
ITEM	PART NO.	QTY. * **	DESCRIPTION
1	-----	1 -	GENERATOR ASSEMBLY (Delco-Remy #1103028)(Order GENERA-
	70914392	2 -	TOR ASSEMBLY 74058931)
	70904205	2 -	CAPSCREW, 5/16"NC x 1"
			LOCKWASHER, 5/16"
	74058931	1 -	GENERATOR ASSEMBLY (Delco-Remy #1103032)
	70916271	2 -	CAPSCREW, 3/8"NC x 1"
	70904206	2 -	LOCKWASHER, 3/8"
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"

NOTE: Each Generator Assembly includes key, nut and washer for pulley. Order generator parts from local service agency

(Continued)

GENERATOR (Continued)

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



BATTERIES AND CABLES (First type)

T-72337

BATTERIES AND CABLES

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

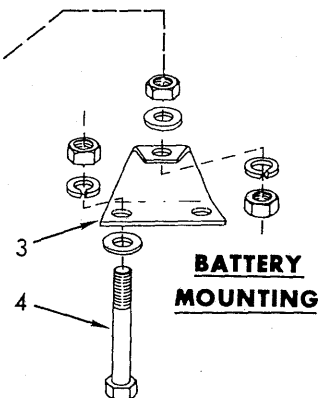
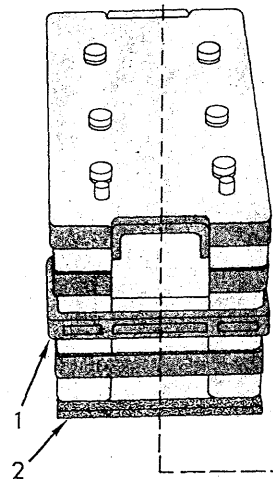
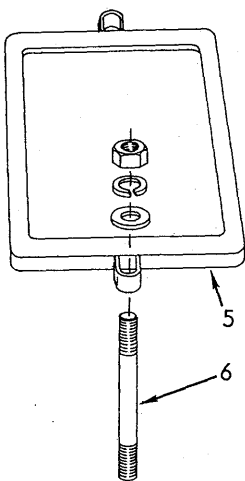
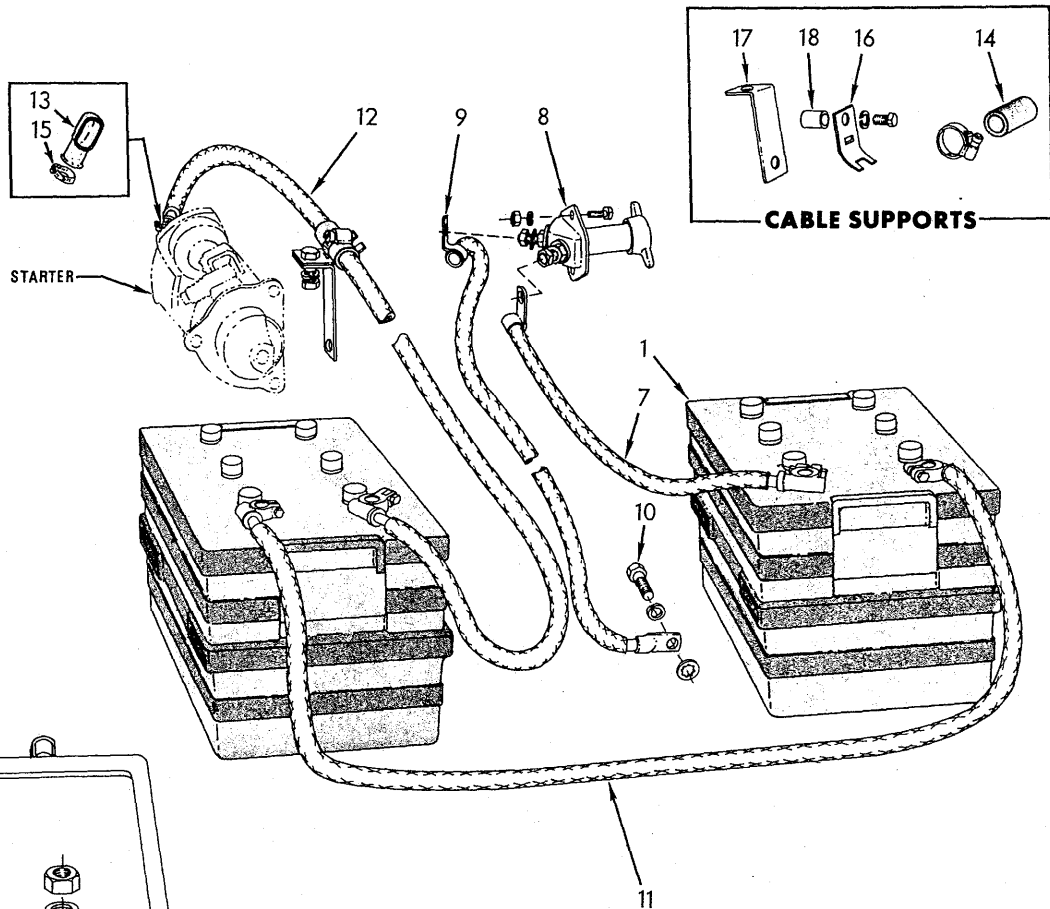
ITEM	PART NO.	QUANTITY			DESCRIPTION
		*	**	***	
1	70052782	2	2	2	HOLD-DOWN battery
2	70052791	8	8	8	BLOCK, hold-down (rubber)
3	-----	2	2	2	BATTERY, storage, 12 volts, 25 plates ("Prestolite" type D-6. Order from local dealer)
3A	70243526	1	1	1	ELECTROLYTE ("Z" pack-6.1 quarts)
	70243527	1	1	1	ELECTROLYTE ("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
	70064531	8	8	8	WASHER, plain } Not used with special reinforced 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

MEMO



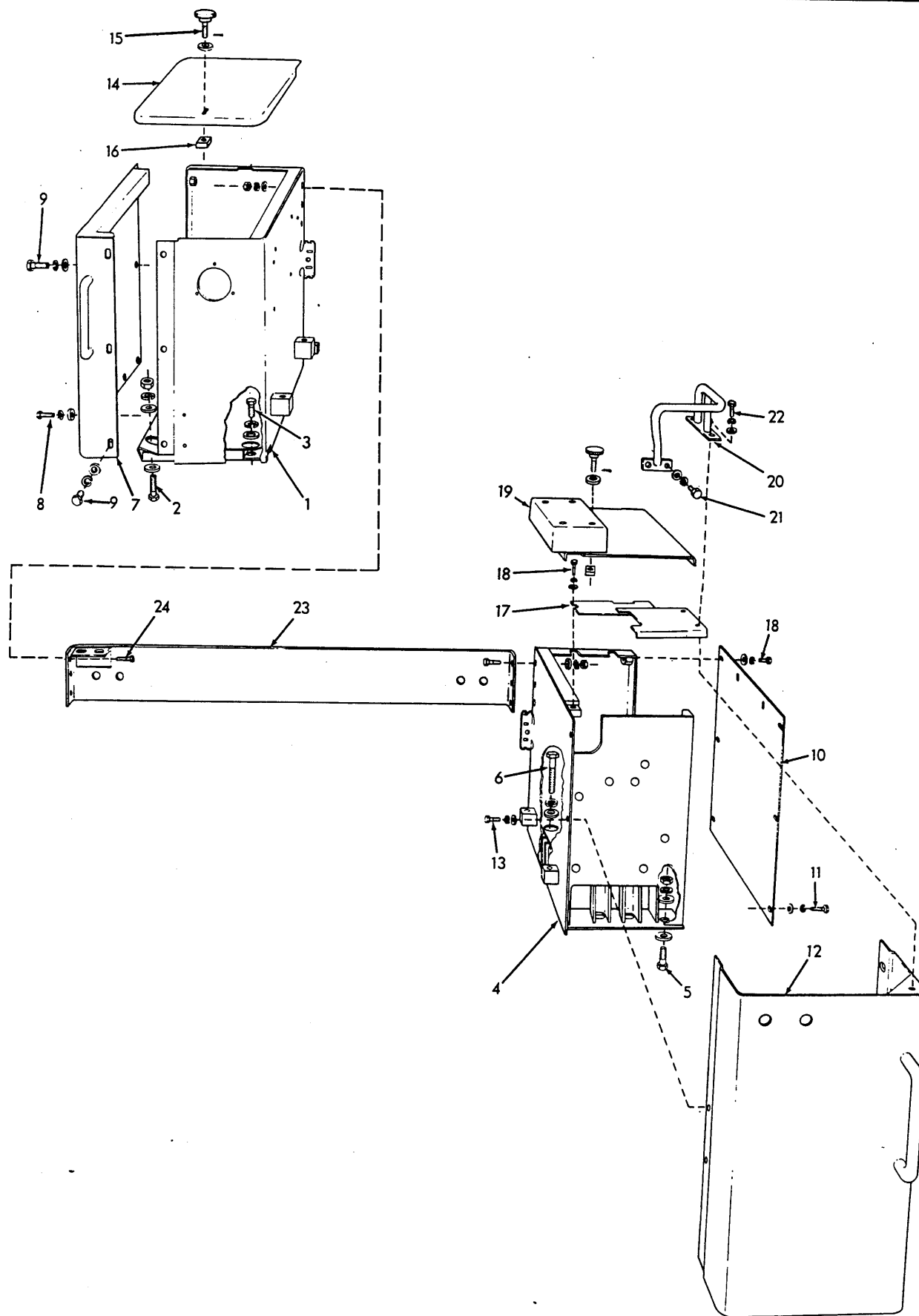
BATTERIES AND CABLES (Second type)

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	
4	70916317	4	CAPSCREW, 1/2"NC x 2-3/4" (right side)	} Not used with special reinforced Rear Fenders
	70916323	4	CAPSCREW, 1/2"NC x 5-1/2" (left side)	
	70904208	8	LOCKWASHER, 1/2"	
	70911028	8	NUT, 1/2"NC	
	70064531	8	WASHER, plain	
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)

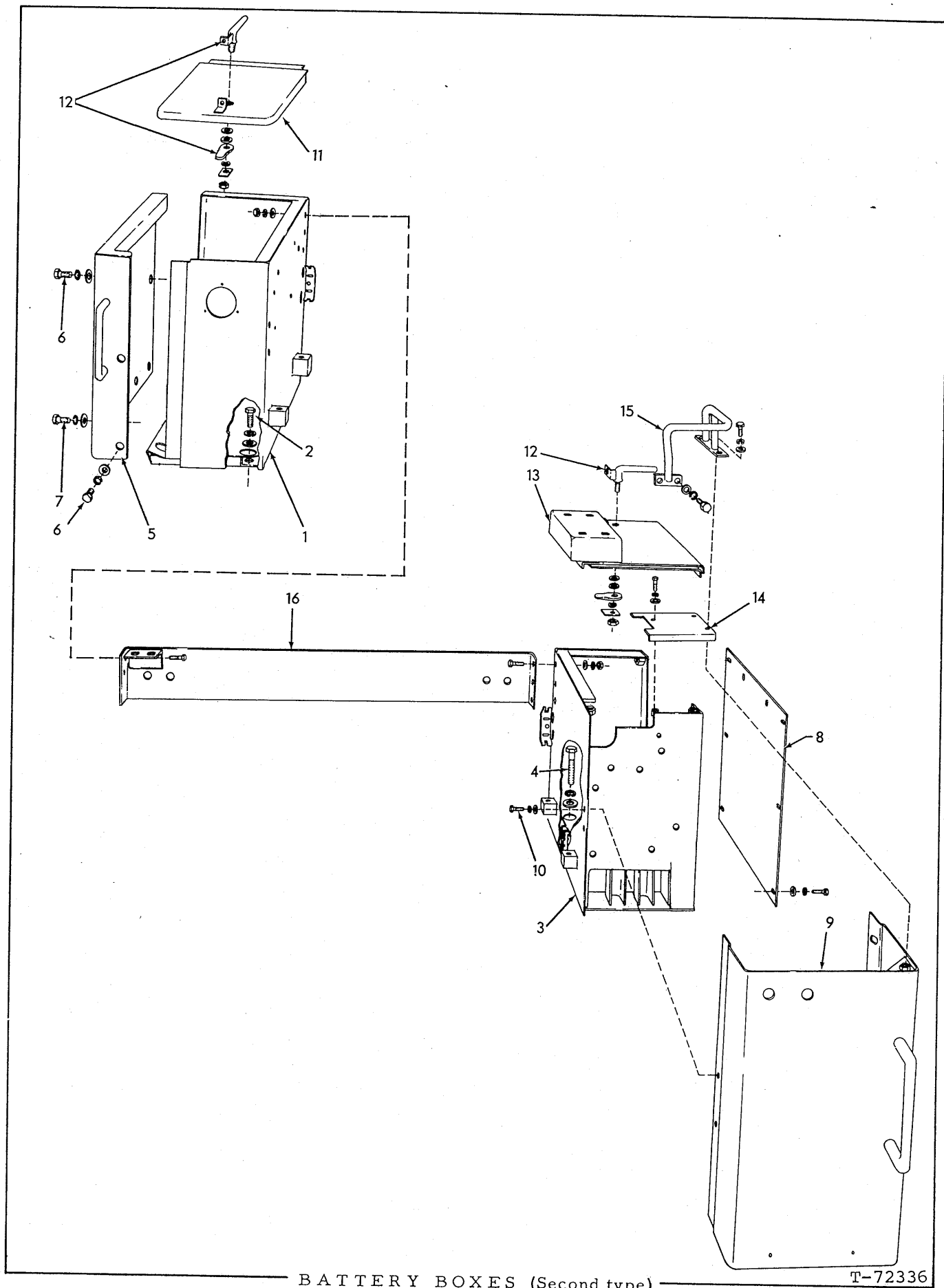
T-41943

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"
	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"
	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)
	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)
	70035733	8	CAPSCREW, 1/2"NC x 1-3/8" (Late units)
11	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)
	70035220	2	CAPSCREW, 1/2"NC x 1-1/8" (Late units)
13	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)
	70013058	1	CAPSCREW, 3/8"NC x 1-1/4" (Late units)
18	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)
	70013058	2	CAPSCREW, 3/8"NC x 1-1/4" (Late units)
22	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

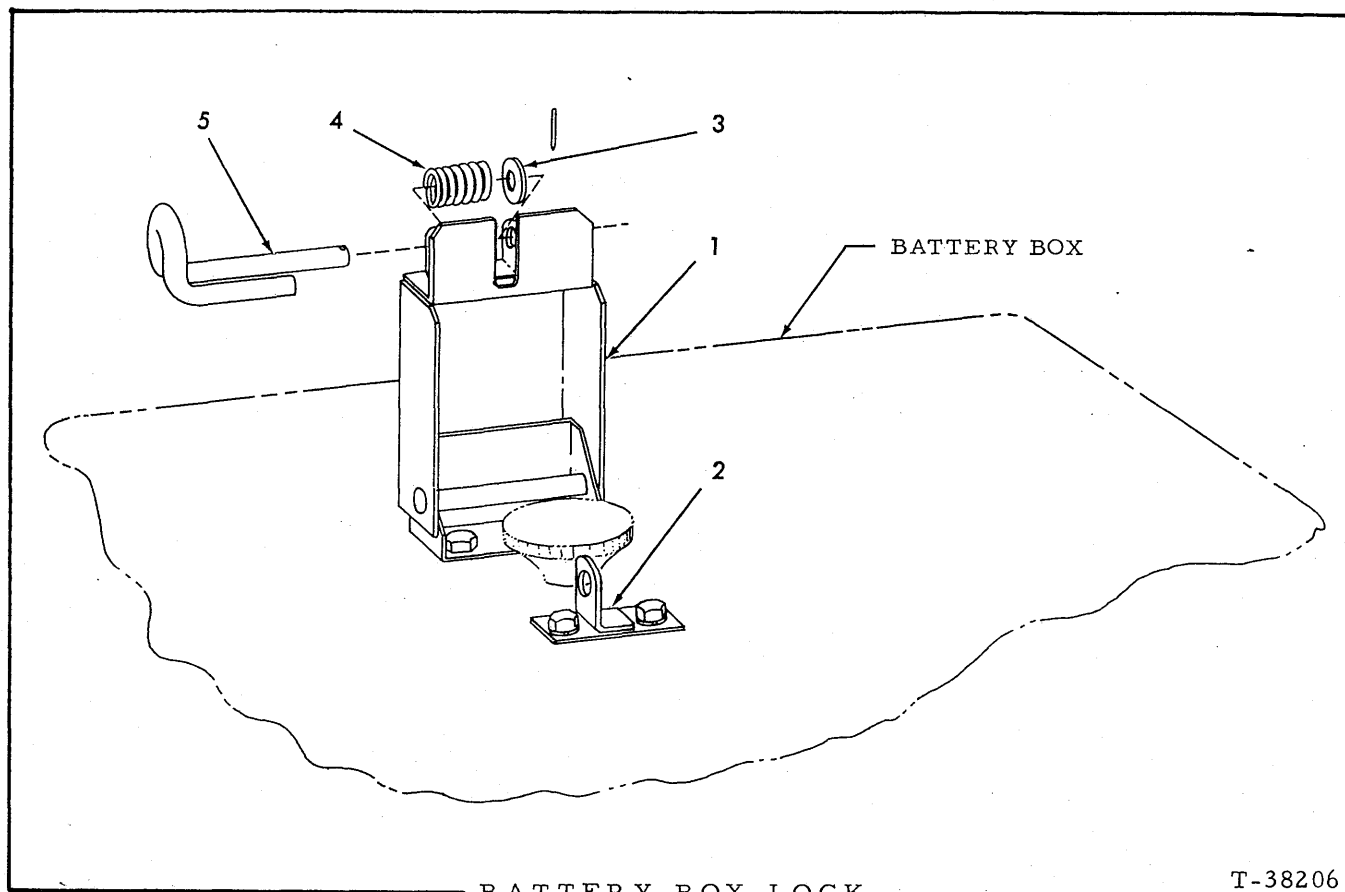
BATTERY BOXES

USAGE: Tractors serial No. 12201 and up

ITEM PART NO. QTY. DESCRIPTION

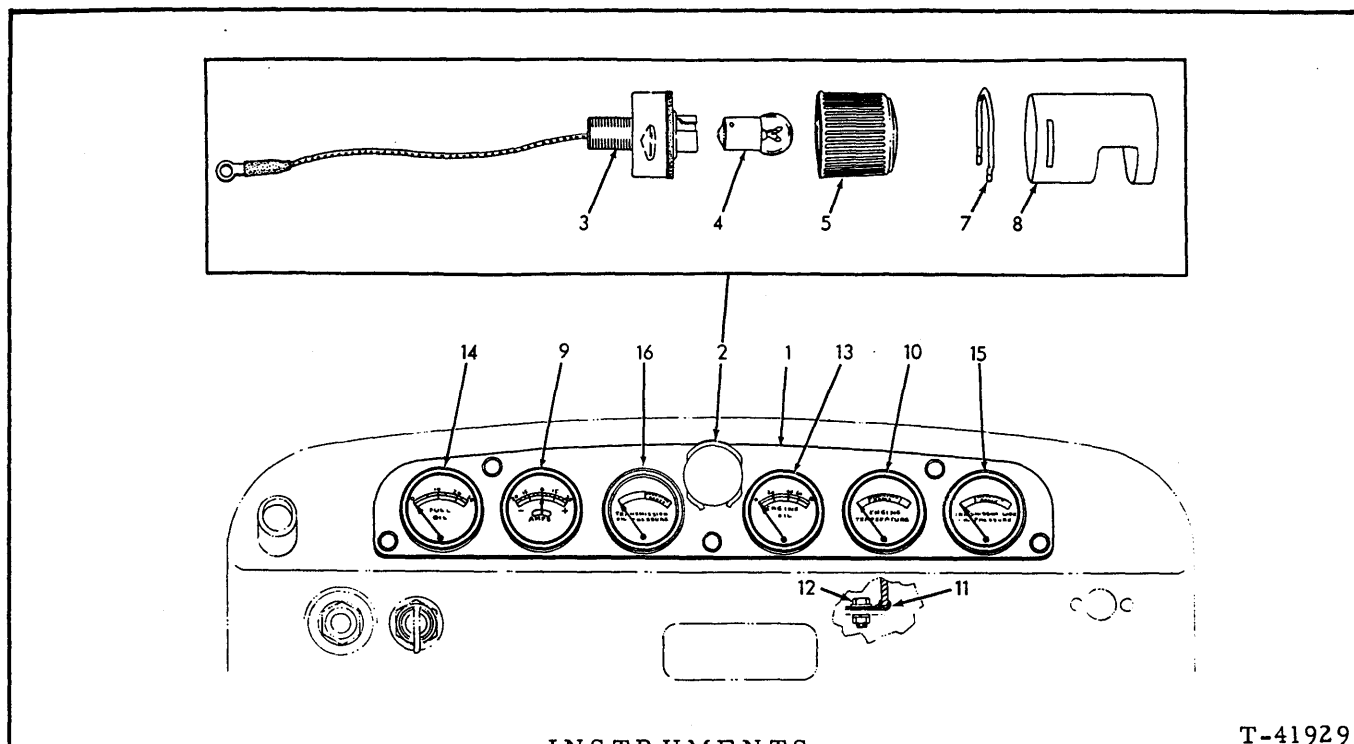
1	70650916	1	BOX, right battery (Tractors prior to # 13367)
	70663911	1	BOX, right battery (Tractors # 13367 and up)
2	70035018	3	CAPSCREW, 1/2"NF x 1-1/2"
	70064531	3	WASHER, plain
	70904208	1	LOCKWASHER, 1/2"
3	70650914	1	BOX, left battery (Tractors prior to # 13367)
	70663878	1	BOX, left battery (Tractors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



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

ITEM	PART NO.	QTY.	DESCRIPTION
1	70620474	1	COVER, retaining knob
	70914330	2	CAPSCREW, 1/4"NF x 5/8"
	70904204	2	LOCKWASHER, 1/4"
	70911040	2	NUT, 1/4"NF
2	70620472	1	PLATE, latching, retaining knob cover
	70914330	2	CAPSCREW, 1/4"NF x 5/8"
	70904204	2	LOCKWASHER, 1/4"
	70911040	2	NUT, 1/4"NF
3	70607414	1	WASHER, latching spring
4	70035916	1	SPRING, latching rod
5	70621201	1	ROD, latching
	70916146	1	PIN, roll, 3/32" x 1/2"

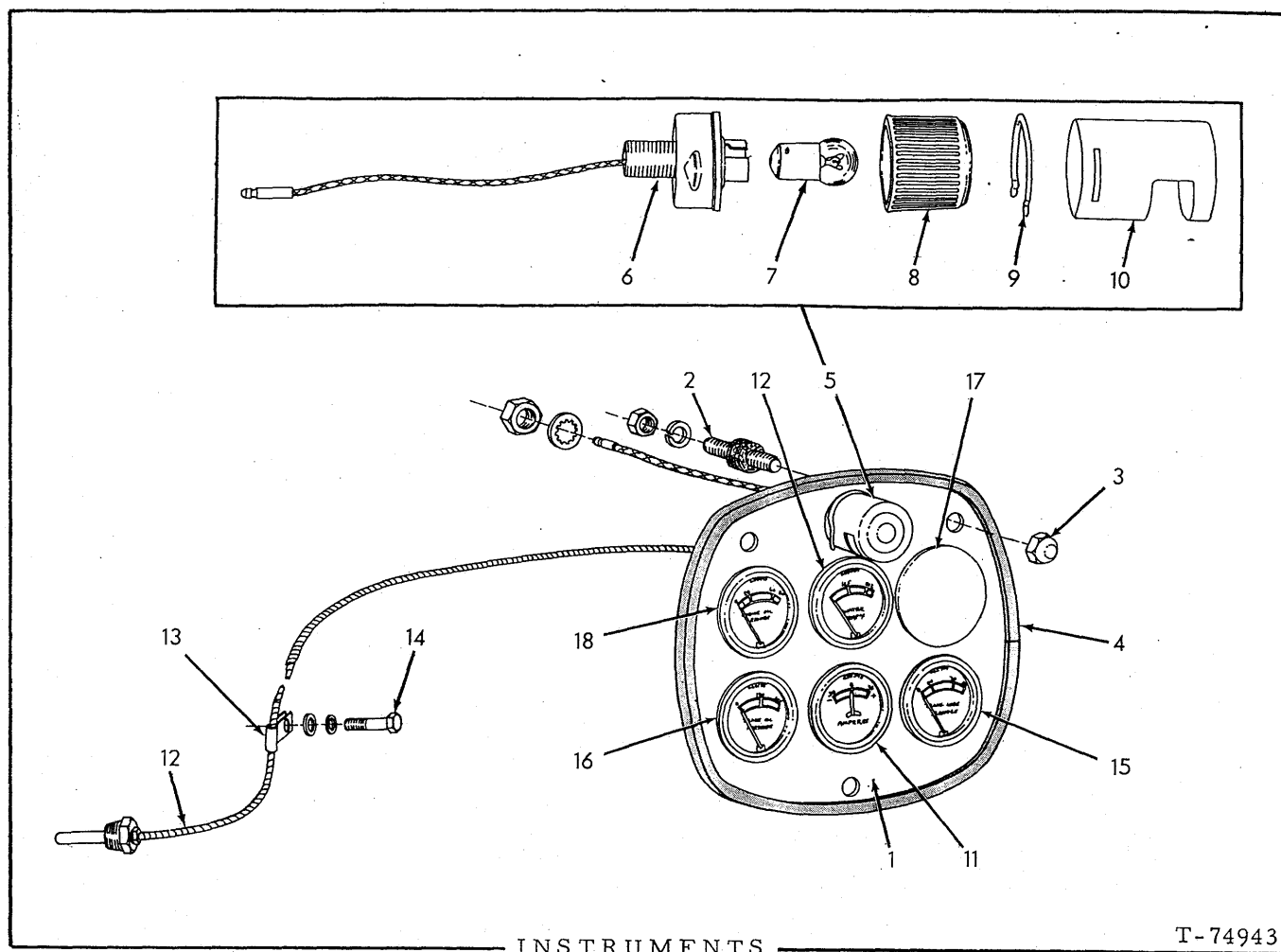


INSTRUMENTS

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
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)



USAGE: Tractors serial No. 13367 and up

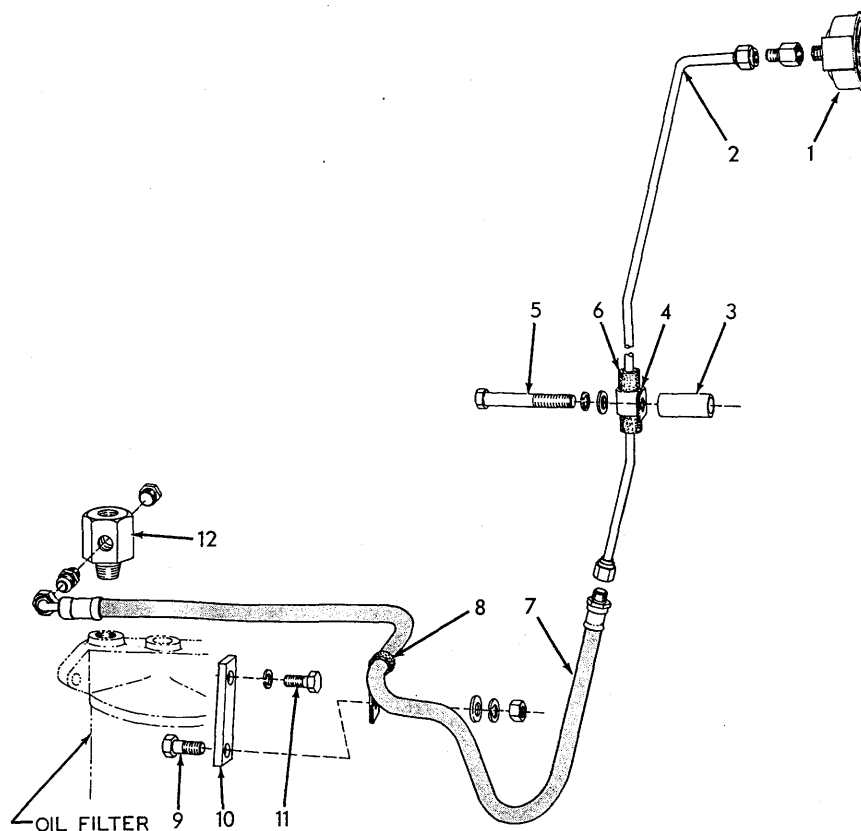
ITEM PART NO. QTY. DESCRIPTION

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, transmsioni 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

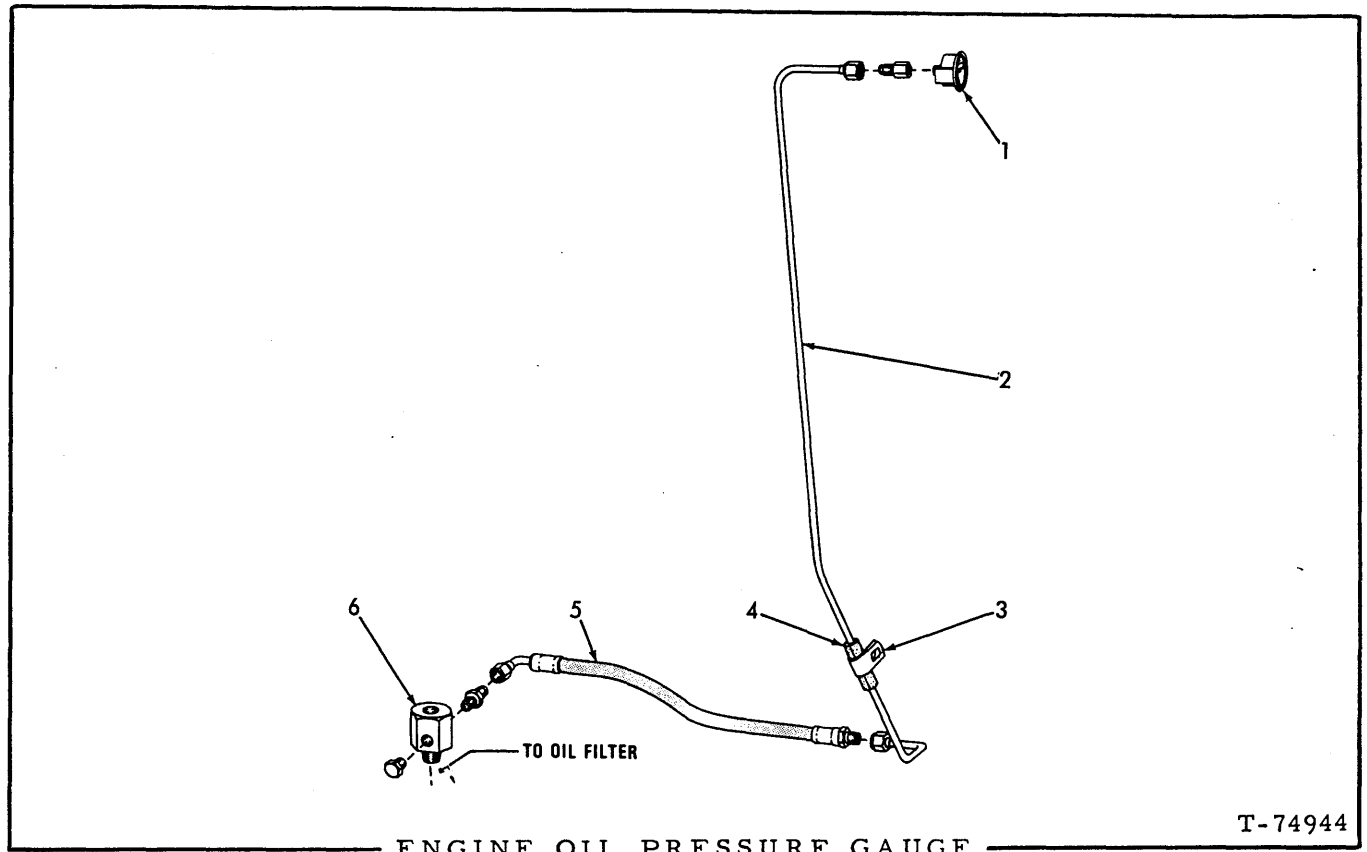
USAGE: Tractors prior to serial No. 13367

ITEM	PART NO.	QTY.	DESCRIPTION
1	70658293	1	GAUGE (Includes mounting clamp)
2	70641646	1	TUBE ASSEMBLY (Includes nuts)(Tractors prior to #12201)
	70650752	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	1	CLIP, tube supporting
5	70045174	1	CAPSCREW, 3/8"NF x 2-1/2" (Early units)
	70056721	1	CAPSCREW, 3/8"NC x 2-1/2" (Late units)
	70904206	1	LOCKWASHER, 3/8"
	70911115	1	WASHER, plain, SAE std., 3/8"
6	70093972	1	BOOT, tube protecting (rubber)
7	70641649	1	HOSE (See HOSE PARTS)
	70919140	1	CONNECTOR, flare type, 1/4" tube, 1/4"NPT male
8	70644006	1	CLIP, hose supporting
9	70035167	1	CAPSCREW, 3/8"NF x 7/8"
	70911115	1	WASHER, plain, SAE std., 3/8"
	70904206	1	LOCKWASHER, 3/8"
	70911041	1	NUT, 3/8"NF

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ENGINE OIL PRESSURE GUAGE (Continued)

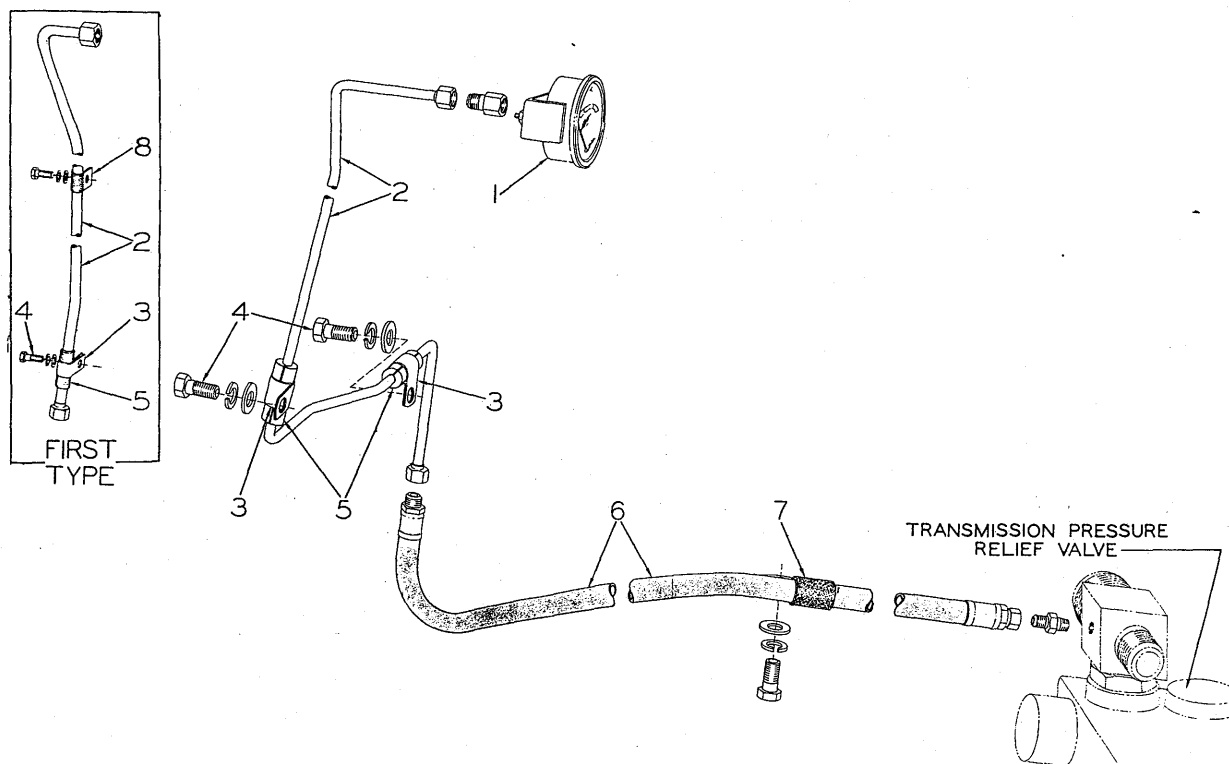
ITEM	PART NO.	QTY.	DESCRIPTION
10	70046423	1	SUPPORT, hose (3" long)(Units with dry-type air cleaner)
	70067165	1	SUPPORT, hose (5-3/4" long)(Units with oil-bath air cleaner)
11	70035244	1	CAPSCREW, 3/8"NC x 3/4"
	70904206	1	LOCKWASHER, 3/8"
12	74339606	1	ADAPTOR, oil pressure gauge line
	70919840	1	PLUG, pipe, hex-hd., 1/4"NPT (Not used if Hour Meter installed)



ENGINE OIL PRESSURE GAUGE

USAGE: Tractors serial No. 13367 and up

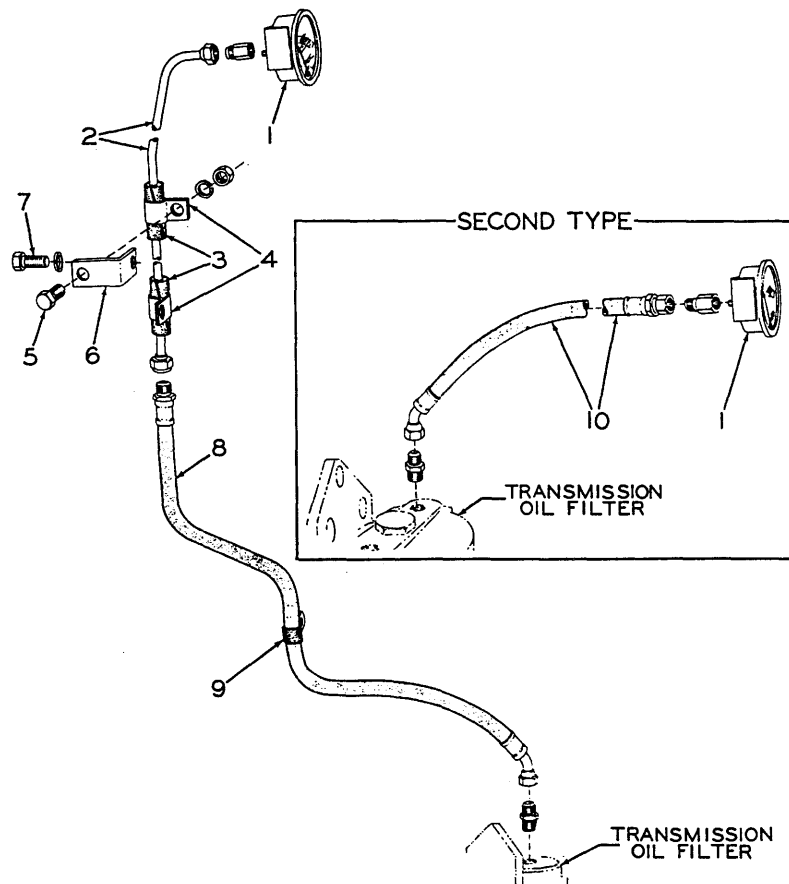
ITEM	PART NO.	QTY.	DESCRIPTION
1	70658293	1	GAUGE (Includes mounting clamp)
2	70657835	1	TUBE ASSEMBLY (Includes nuts)
	70919174	1	CONNECTOR, flare type, 1/4" tube, 1/8" NPT female
3	70047381	1	CLIP, tube supporting
4	70093972	1	BOOT, tube protecting (rubber)
5	70659895	1	HOSE (See HOSE PARTS)
	70919140	1	CONNECTOR, flare type, 1/4" tube, 1/4"NPT male
6	74339606	1	ADAPTOR, oil pressure gauge line
	70919840	1	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	1	-	GAUGE (40 lb.)
	70665909	-	1	GAUGE (80 lb.)
Each includes mounting clamp				
2	70641648	1	-	TUBE ASSEMBLY (Includes nuts)
	70657836	-	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
4	70036032	1	-	CAPSCREW, 3/8"NF x 3/4"
	70035244	-	2	CAPSCREW, 3/8"NC x 3/4"
	70904206	1	2	LOCKWASHER, 3/8"
	70911115	1	2	WASHER, plain, SAE std., 3/8"
5	70093972	1	2	BOOT, tube protecting (rubber)
6	70643697	1	-	HOSE
	70664687	-	1	HOSE
See HOSE PARTS				
	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"



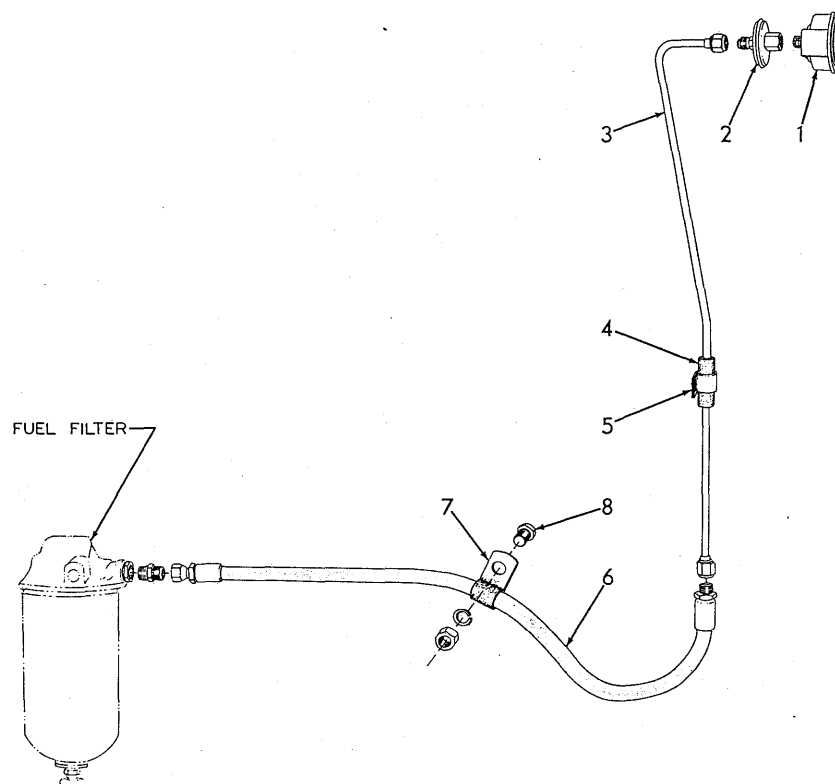
TRANSMISSION HYDRAULIC PRESSURE GAUGE

T-41931

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

ITEM	PART NO.	QTY.		DESCRIPTION
1	70658277	1	1	GAUGE (240 lb.)(Tractors prior to #13367)
	70666185	-	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	70036032	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	-	1	HOSE (15" long)(Tractors prior to #13368)
	70654052	-	1	HOSE (12" long)(Tractors #13368 and up)
	70919174	-	1	CONNECTOR, flare type, 1/4"tube, 1/8"NPT female
	70919140	-	1	CONNECTOR, flare type, 1/4" tube, 1/4"NPT male

} See HOSE PARTS

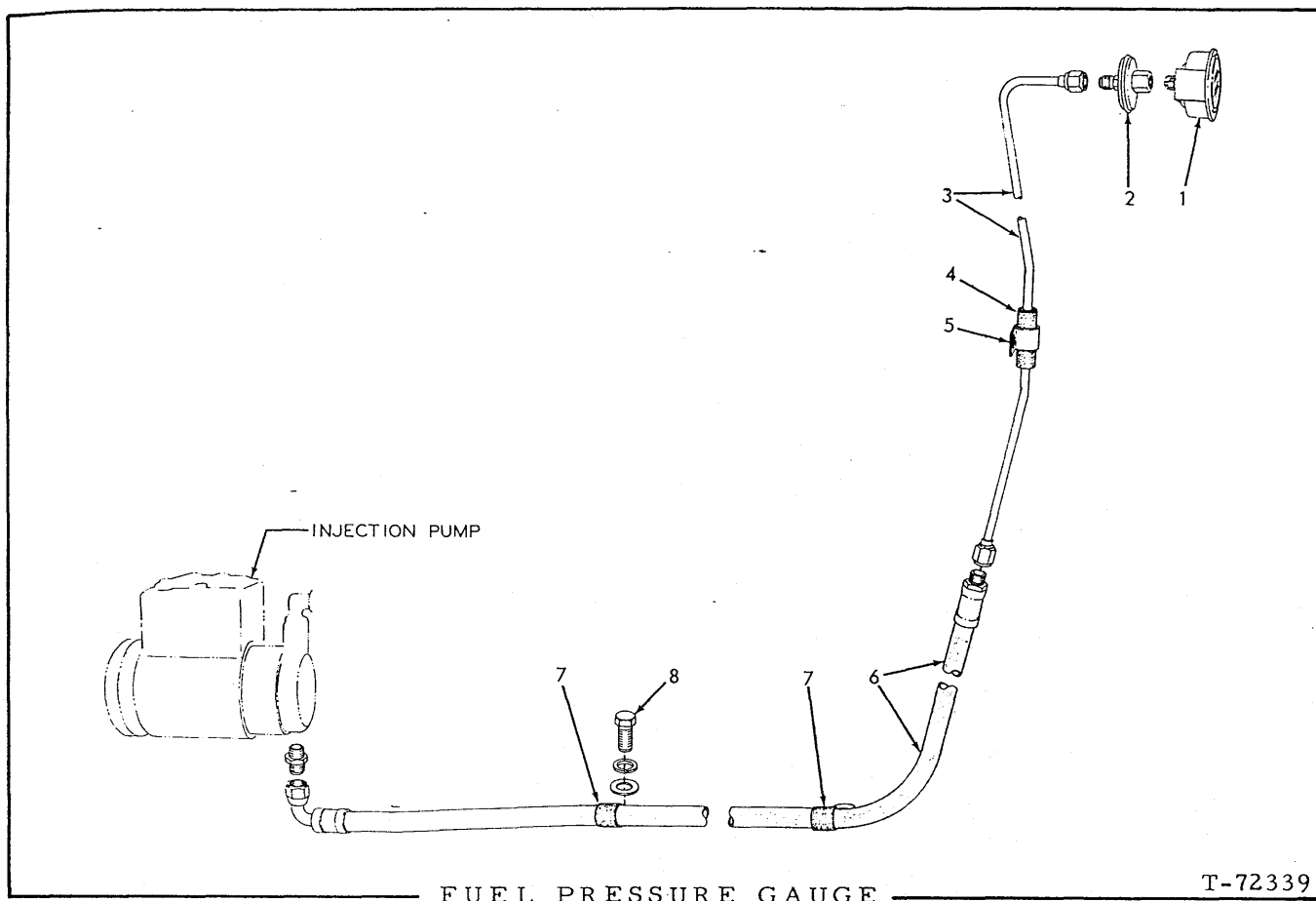


FUEL PRESSURE GAUGE

T-41920

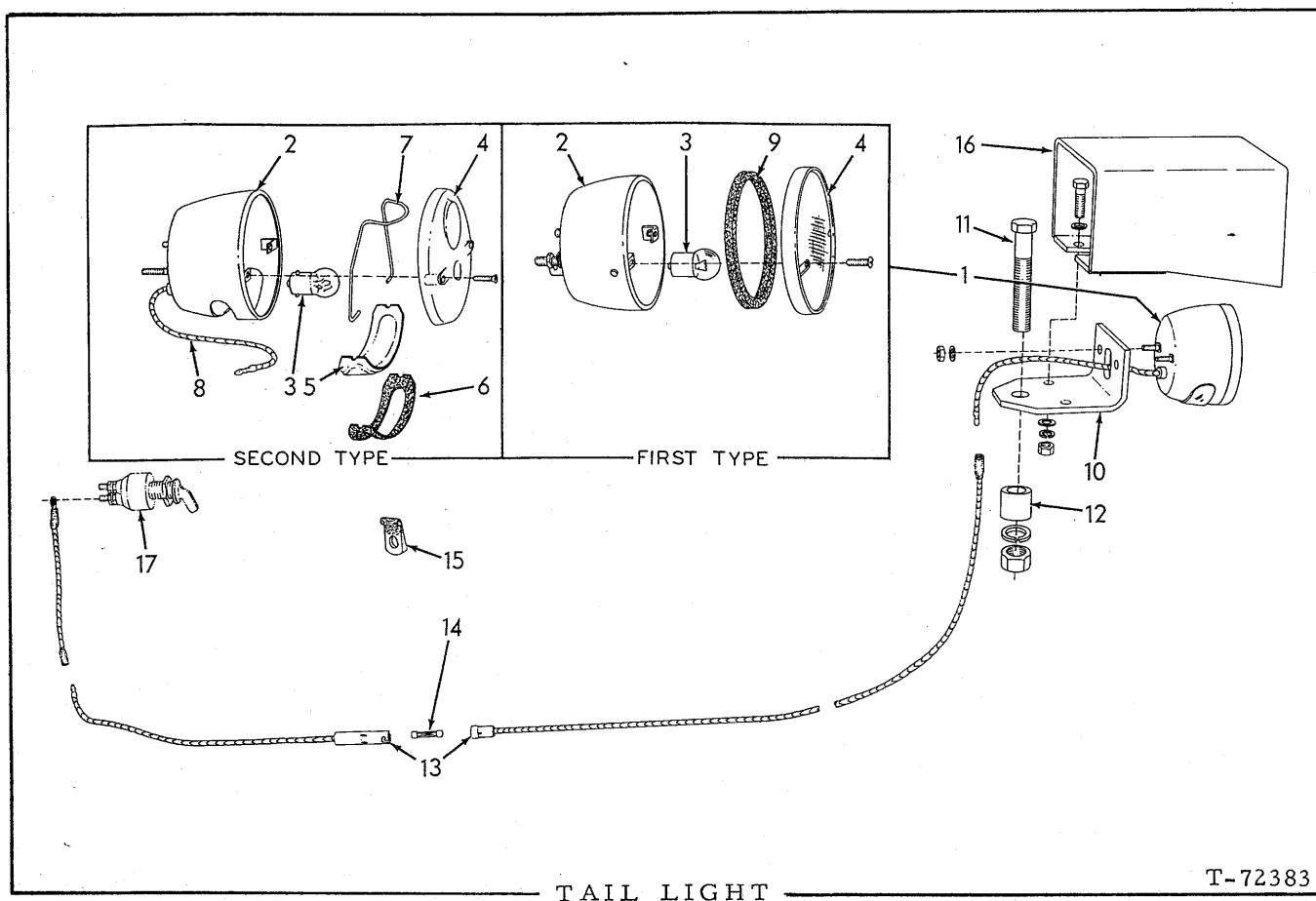
USAGE: Tractors prior to serial No. 12201

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	1	HOSE (See page 6)
	70919140	1	CONNECTOR, flare type, 1/4" tube, 1/4"NPT male
	70901826	1	BUSHING, pipe reducing, 3/8"NPT to 1/4"NPT
7	70644006	1	CLIP, hose supporting
8	70067480	1	CAPSCREW, 1/2"NF x 3/4"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF



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	1	HOSE (See HOSE PARTS)
	70919171	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
7	70644006	2	CLIP, hose supporting
8	70035244	1	CAPSCREW, 3/8"NC x 3/4"
	70904206	1	LOCKWASHER, 3/8"
	70900817	1	WASHER, plain, U.S. std., 3/8"



USAGE: Special equipment

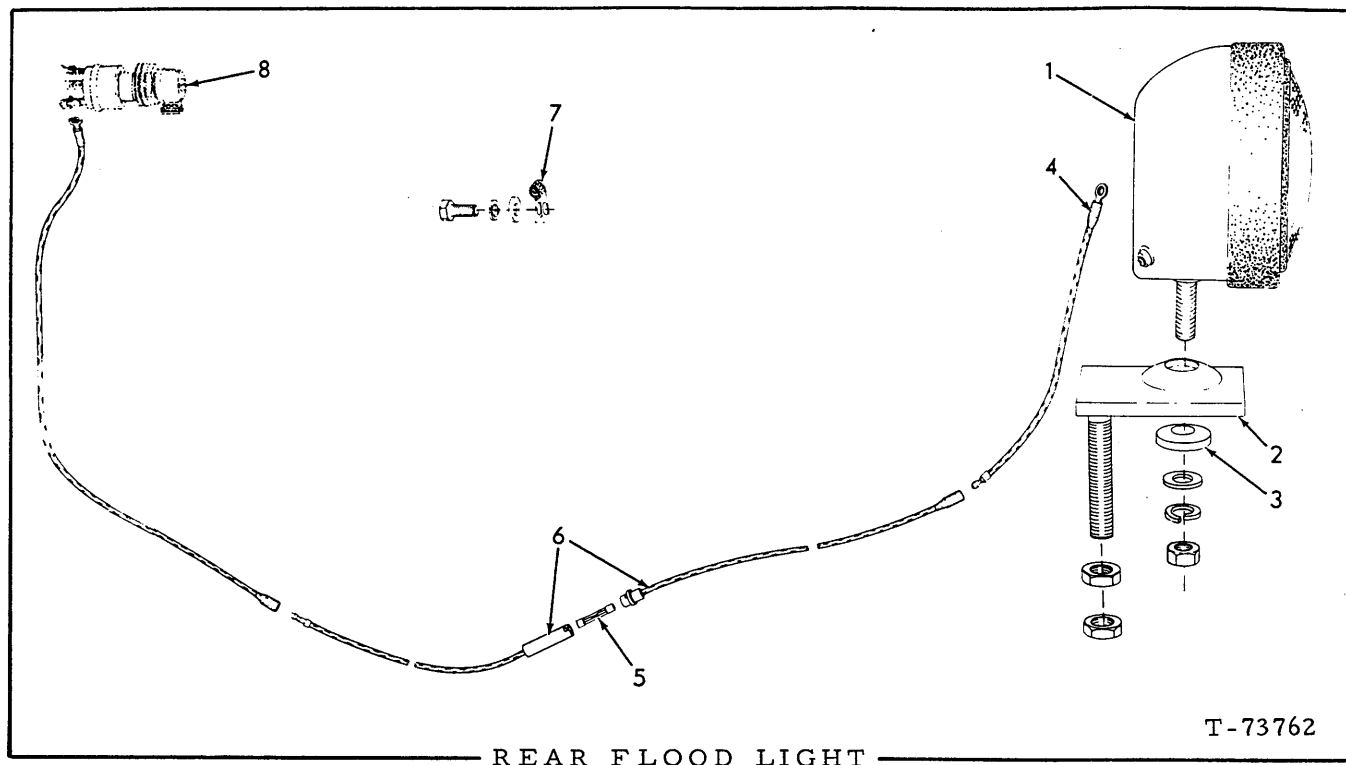
* Used prior to June 1967
 ** Effective June 1967

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



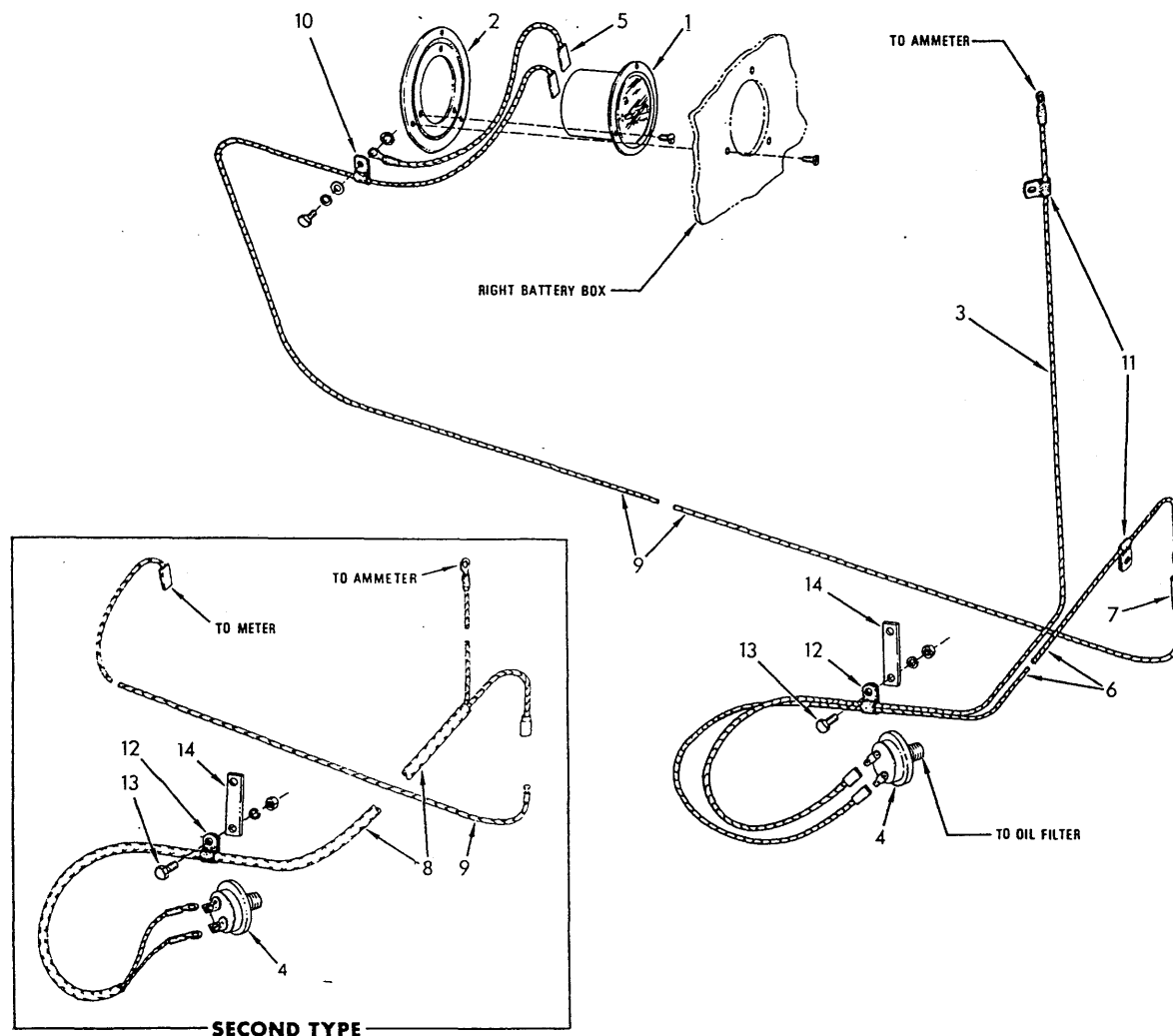
USAGE: Special equipment

ITEM PART NO. QTY. DESCRIPTION

1	70621429	1	LIGHT ASSEMBLY (See page 323 for parts)
	70900818	1	WASHER, plain, U.S. std., 1/2"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
2	70094630	1	BRACKET, mounting
	70911044	1	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	1	CLIP, cable (3/16" diam., 9/16" bolt-slot)
	70639388	3	CLIP, cable (1/8" diam., 13/32" bolt-hole)
	70035244	1	CAPSCREW, 3/8"NC x 3/4"
	70904206	1	LOCKWASHER, 3/8"
	70911115	1	WASHER, plain, SAE std., 3/8"
8	-----	1	SWITCH, lights (See LIGHTS AND WIRING)

(Revised May 1979)

MEMO



HOUR METER

T-41940

USAGE: Special equipment

* Tractors prior to serial No.13367

** Tractors serial No.13367 and up

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

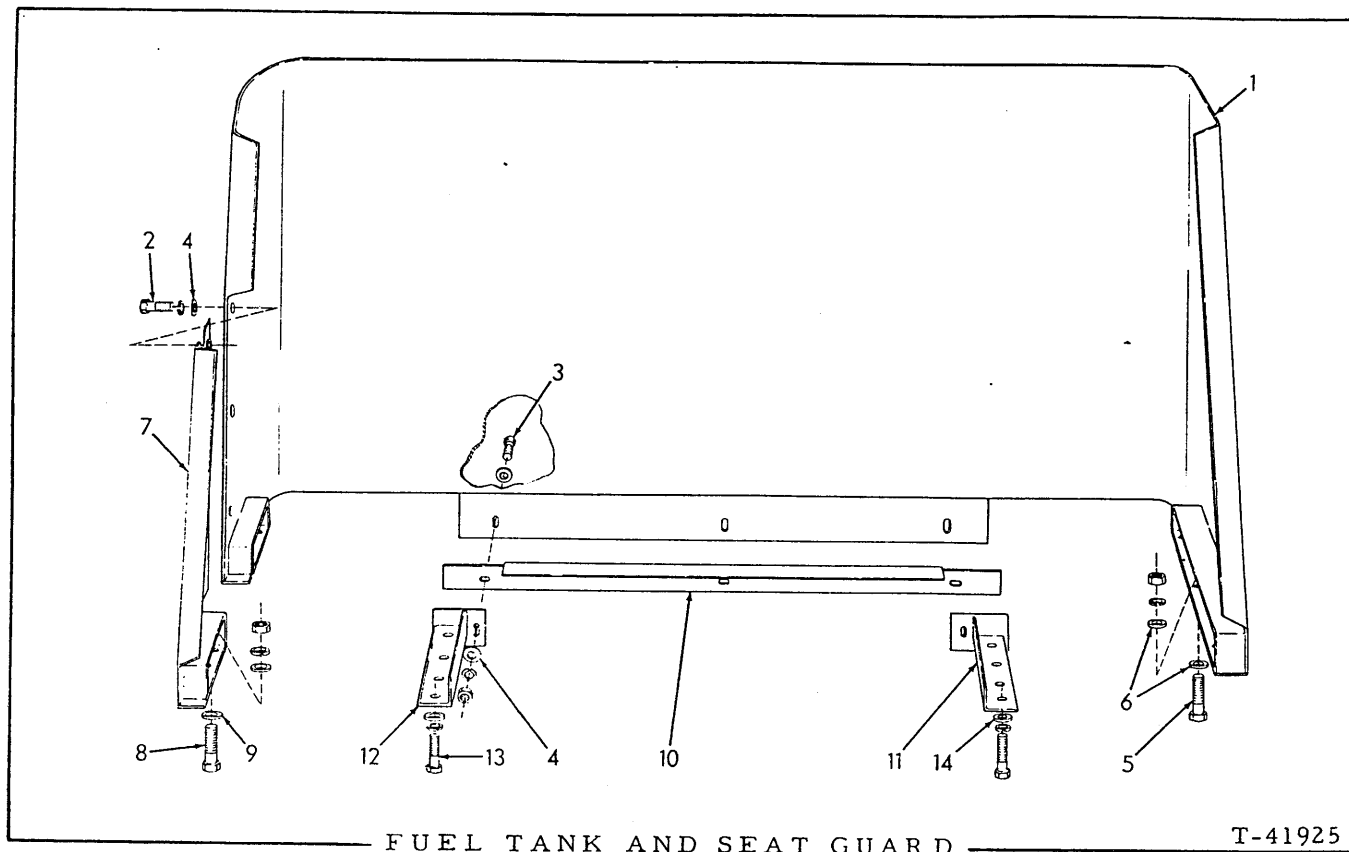
NOTE: Meter carries manufacturer's warranty and in case of failure should not be returned to Fiat Allis. Return "Hobbs" meter to nearest "Stewart-Warner" agency. Return "Hamilton" meter to Hamilton Watch Company, Industrial Products Division, Lancaster, Pa.

2	70066467	1	1	DAMPER, vibration
	70918210	3	3	SCREW ASSEMBLY, #6 x 1/2" (Includes lockwasher)
3	70638942	1	-	CABLE, pressure switch to ammeter (50" long)

(Continued)

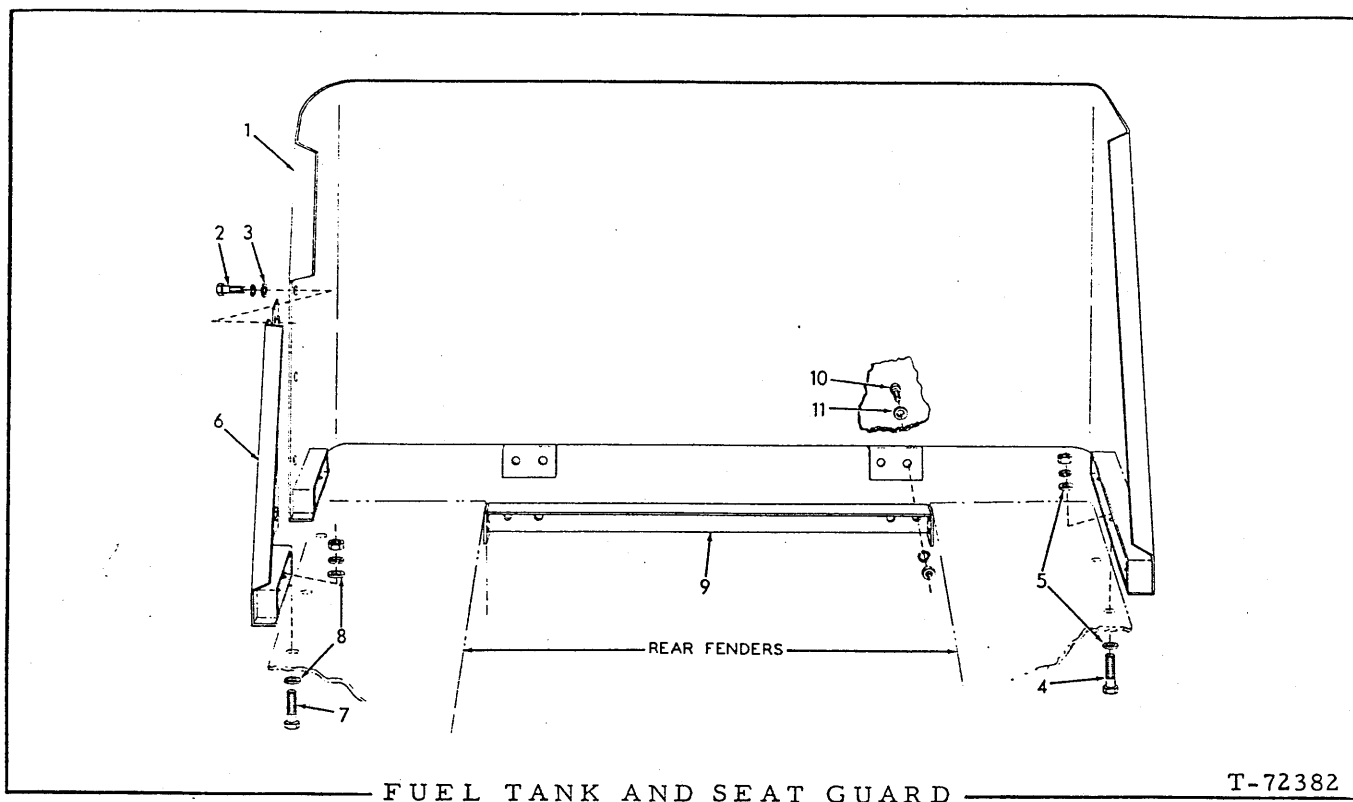
HOUR METER (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
4	70640727	1	-	SWITCH, pressure (spade terminals)
	70660694	-	1	SWITCH, pressure (screw terminals)
5	70630917	1	1	CABLE, meter to ground (8" long)
	70909367	1	1	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	2	2	CLIP, hour meter cable (1/8" diam., 9/32" bolt-hole)
	70047478	2	2	CAPSCREW, 1/4"NC x 5/8"
	70904204	2	2	LOCKWASHER, 1/4"
	70911114	2	2	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	1	1	CAPSCREW, 3/8"NF x 5/8"
	70904206	1	1	LOCKWASHER, 3/8"
	70911041	1	1	NUT, 3/8"NF
14	70644162	1	1	STRAP, clip supporting



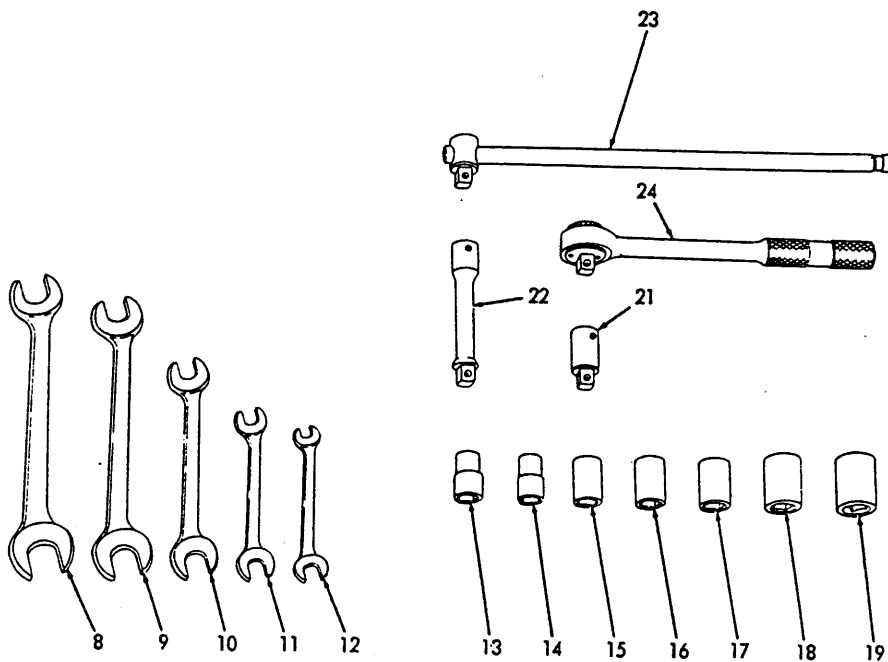
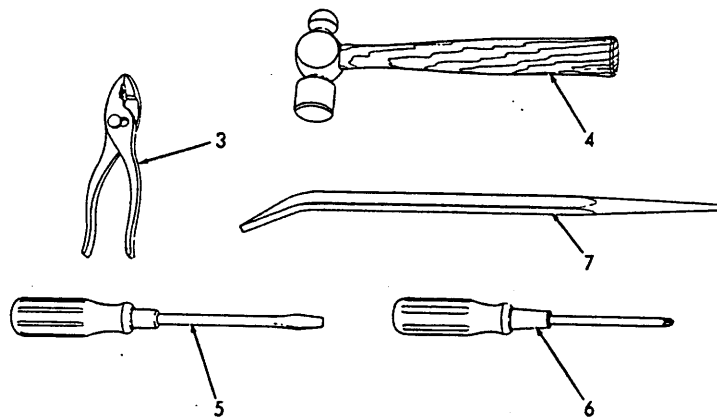
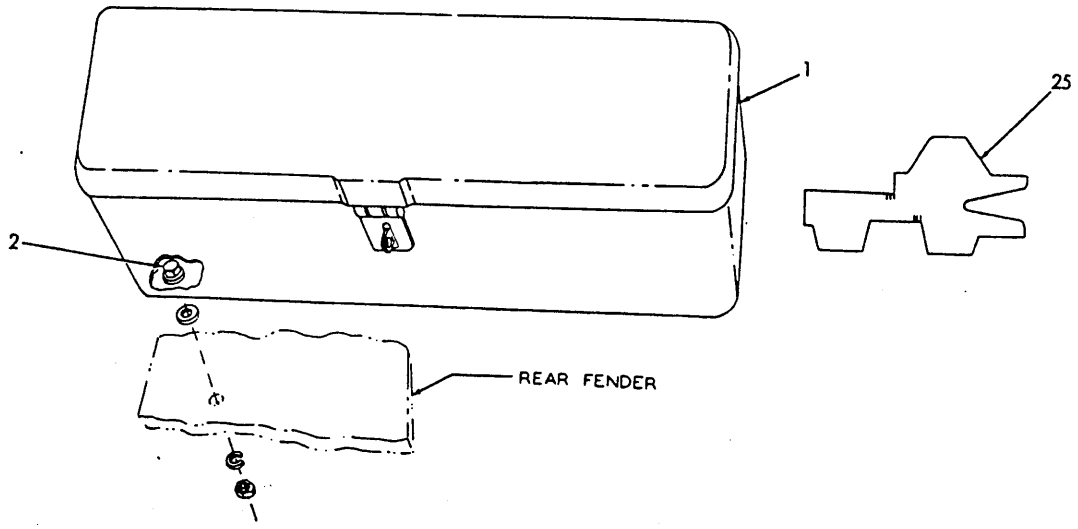
USAGE: Special equipment for tractors prior to serial No. 12201. For tractors engaged in logging operations. Requires reinforced fenders for installation.

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



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 x1-1/2"
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

T-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 ⁰ , 15/16" and 1-1/16"
9	70050610	1	WRENCH, open end, double head, 15 ⁰ , 3/4" and 7/8"
10	70050609	1	WRENCH, open end, double head, 15 ⁰ , 5/8" and 3/4"
11	70050608	1	WRENCH, open end, double head, 15 ⁰ , 1/2" and 9/16"
12	70050607	1	WRENCH, open end, double head, 15 ⁰ , 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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