FIAT-ALLIS

HD-16

crawler tractor

parts catalog

Form 70644082 English

AVOID ACCIDENTS

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

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

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

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

NATIONAL SAFETY COUNCIL

WARNING

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

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4th Printing 6-77

FOURTH PRINTING (6-77)

Identical to First Printing (11-64) including all supplementary information as released thru Parts Bulletin TPSD 136 (8-73)

HD-16

crawler tractor

parts catalog

S/N 101 THRU 5900

Form 70644082 English
(Same as 0644082-0)

⚠ WARNING

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

MODEL IDENTIFICATION

The models listed in this Parts List and their identifying symbols are indicated below. This symbol is stamped in front of the tractor serial number on each model.

MODEL SYMBOL	ENGINE MODEL Prior to Tractor #4001	ENGINE MODEL Effective Tractor #4001	DESCRIPTION
HD16A	844	16000	31,500 pound, 6-speed standard transmission, mechanical drive, track-type tractor, powered with a 163 rated horsepower naturally aspirated diesel engine.
HD16AC	844	16000	31,600 pound, 3-speed standard transmission, hydraulic torque converter drive, track-type tractor, powered with a 170 rated horsepower naturally aspirated diesel engine.
HD16D	844	16000	32,700 pound, 6-speed standard transmission, mechanical drive, track-type tractor, powered with a 163 rated horsepower naturally aspirated diesel engine.
HD16DC	844	16000	32,800 pound, 3-speed standard transmission, hydraulic torque converter drive, track-type tractor, powered with a 170 rated horsepower naturally aspirated diesel engine.
HD16FC	844	16000	33,340 pound, 3-speed standard transmission, hydraulic torque converter drive, track-type tractor, powered with a 170 rated horsepower naturally aspirated diesel engine.
HD16GC	844	16000	48,600 pound (including Front Shovel), 3-speed standard transmission, hydraulic torque converter drive, track-type tractor, powered with a 170 rated horsepower naturally aspirated diesel engine.

RECORD YOUR SERIAL NUMBERS BELOW

TRACTOR SERIAL NO. _____

ENGINE SERIAL NO. _____

SHOVEL SERIAL NO. _____

SERIAL NUMBER LOCATIONS

TRACTOR SERIAL NO. On rear face of steering clutch housing at the upper right hand corner; on late Model HD16FC it is located at the upper left hand corner. Also on small plate attached to 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. Effective approximately March 1957, the engine serial numbering system was changed. Under the old system, a 5-digit number was used (Example: No. 85094). The new system uses the prefix "16-" with the serial number (Example: No. 16-2601). With the new prefix, the serial numbers were started in a new series, beginning with No. 16-2601.

SHOVEL SERIAL NO. On plate attached to the upper rear face of the left hand side of the shovel frame.

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)

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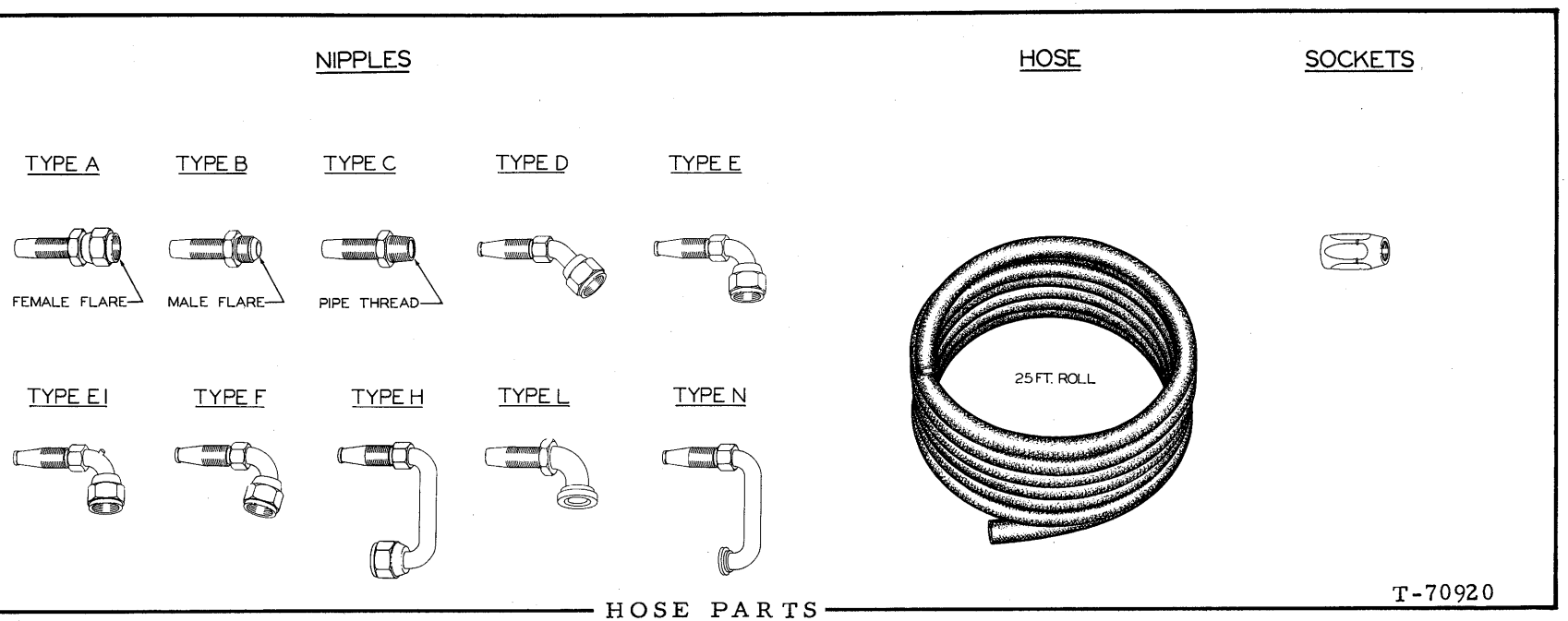
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HOSE PARTS

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)
			Including SOCKET	NIPPLE only	Type	Including SOCKET	NIPPLE only	Type		Part No.	X Dim	Part No.
70083634	70920222	36-7/8	70921033	70921034	A	70921033	70921034	A	70919282			
70084002	70920222	61-3/8	70921033	70921034	A	70921033	70921034	A	70919282			
70084032	70920221	100	70920882	70919278	D	70920867	70919277	E	70919281			
70087017	70919155	30	70920849	70920302	A	70920836	70919073	C	70919075			
70089716	70920221	100	70920852	70920344	A	70920867	70919277	E	70919281			
70093516	70919156	8-1/4	70920858	70919080	B	70920838	70919074	C	70919076			
70094302	70919155	48-3/4	70920849	70920302	A	70920849	70920302	A	70919075			
70094303	70919156	49-1/4	70920850	70920303	A	70920858	70919080	B	70919076			
70094304	70919156	89-1/4	70920850	70920303	A	70920850	70920303	A	70919076			

70094306	70919155	70-3/4	70920849	70920302	A	70920849	70920302	A	70919075			
70094533	70919155	22-5/8	70920857	70919079	B	70920864	70919082	E	70919075			
70094566	70919156	32-3/4	70920858	70919080	B	70920865	70919081	E	70919076			
70094941	70919156	32-5/8	70920880	70919254	D	70920865	70919081	E	70919076			
70095057	70919155	26	70920857	70919079	B	70920864	70919082	E	70919075			
70095127	70920222	13-3/4	70921033	70921034	A	70920843	70919467	C	70919282			
70095583	70919155	20-3/4	70920857	70919079	B	70920864	70919082	E	70919075			
70095921	70920222	17	70921033	70921034	A	70920843	70919467	C	70919282			
70096022	70919155	65-1/2	70920849	70920302	A	70920857	70919079	B	70919075			
70096192	70919155	57-1/2	70920849	70920302	A	70920849	70920302	A	70919075			
70097207	70919196	48-1/8	70920847	70920301	A	70920862	70919194	E	70919143			
70097330	70919196	26	70920855	70919144	B	70920862	70919194	E	70919143			
70097339	70920222	106-1/4	70921033	70921034	A	70920875	70920232	E	70919282			
70097478	70919196	68-1/4	70920847	70920301	A	70920869	70919253	E	70919143			
70097480	70919196	35	70920847	70920301	A	70920862	70919194	E	70919143			
70097481	70919155	8-3/8	70920849	70920302	A	70920836	70919073	C	70919075			
70097488	70919196	39-1/2	70920855	70919144	B	70920869	70919253	E	70919143			
70097533	70919156	89-1/4	70920850	70920303	A	70920865	70919081	E	70919076			
70097634	70919155	8	70920849	70920302	A	70920857	70919079	B	70919075			
70097649	70919155	136-3/4	70920849	70920302	A	70920864	70919082	E	70919075			
70097651	70919156	131-3/4	70920850	70920303	A	70920880	70919254	D	70919076			
70097652	70919156	122-1/2	70920850	70920303	A	70920880	70919254	D	70919076			
70097653	70919155	149-3/4	70920849	70920302	A	70920864	70919082	E	70919075			
70097654	70919155	126-3/4	70920849	70920302	A	70920864	70919082	E	70919075			
70097655	70919155	84-3/4	70920849	70920302	A	70920864	70919082	E	70919075			
70097656	70919155	106-3/4	70920849	70920302	A	70920864	70919082	E	70919075			
70099591	70919155	7-5/16	70920857	70919079	B	70920864	70919082	E	70919075			
70621926	70919196	81-1/2	70920847	70920301	A	70920877	70919207	D	70919143			
70621954	70919196	89-1/2	70920877	70919207	D	70920862	70919194	E	70919143			
70622078	70919196	68-1/4	70920877	70919207	D	70920869	70919253	E	70919143			
70622692	70919218	26	70920850	70920303	A	70920865	70919081	E	70919076			
70623278	70920221	15-3/8	70920867	70919277	E	--------	70623615	E1	70919281			

70623280	70920221	18-1/4	70920867	70919277	E	--------	70623615	E1	70919281			
70623287	70920221	14-3/4	70920867	70919277	E	70920867	70919277	E	70919281			
70623701	70920221	54-3/4	70920867	70919277	E	70920867	70919277	E	70919281			
70623833	70920221	48-5/8	70920867	70919277	E	70920867	70919277	E	70919281			
70623850	70919155	18	70920857	70919079	B	70920836	70919073	C	70919075			
70623852	70919156	9-1/2	70920858	70919080	B	70920880	70919254	D	70919076			
70624171	70919155	154-3/4	70920849	70920302	A	70920864	70919082	E	70919075			
70624172	70919155	131-3/4	70920849	70920302	A	70920864	70919082	E	70919075			
70624183	70920221	109	70920867	70919277	E	70920867	70919277	E	70919281			
70624186	70920221	113-1/2	70920882	70919278	D	70920867	70919277	E	70919281			
70624187	70920221	16-1/8	70920874	70921042	E long	70920867	70919277	E short	70919281			
70624391	70919155	128-3/4	70920849	70920302	A	70920864	70919082	E	70919075			
70624392	70919155	156-3/4	70920849	70920302	A	70920864	70919082	E	70919075			
70624394	70919156	39-1/2	70920858	70919080	B	70920865	70919081	E	70919076			
70625217	70920795	37-5/8	70920935	70921304	B	70920928	70920970	C	70920973			
70625222	70920795	37-5/8	70920945	70922831	A	70920935	70921304	B	70920973			
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70629785	70919156	9	70920865	70919081	E	--------	70919175	F	70919076			
70631502	70920221	20-5/8	70920852	70920344	A	70920867	70919277	E	70919281			
70631503	70920221	23-1/2	70920852	70920344	A	70920867	70919277	E	70919281			
70631578	70920221	126	70920852	70920344	A	70920867	70919277	E	70919281			
70631579	70920221	118	70920852	70920344	A	70920867	70919277	E	70919281			
70631767	70919196	7-1/8	70920862	70919194	E	70920862	70919194	E	70919143			
70631779	70919196	10	70920862	70919194	E	70920862	70919194	E	70919143			
70642447	70919218	12	70920850	70920303	A	70920865	70919081	E	70919076			
73006854	70920795	44	70920945	70922831	A	70920935	70921304	B	70920973			
73009664	70920795	55-3/4	70920945	70922831	A	70920935	70921304	B	70920973			
73009666	70920795	43	70920928	70920970	C	70920935	70921304	B	70920973			
73009667	70920795	43	70920935	70921304	B	70920935	70921304	B	70920973			
73010972	70920795	72	70920928	70920970	C	70920945	70922831	A	70920973			
73010979	70920795	72	70920928	70920970	C	70920928	70920970	C	70920973			
73011279	70920795	44-1/2	70920928	70920970	C	70626956	--------	E	70920973			

73011280	70920795	44-1/2	70920935	70921304	B	70626956	--------	E	70920973			
73011282	70920795	56	70920945	70922831	A	70626627	--------	H	70920973			
73012869	70920982	127-1/2	70627803	--------	N	73010833	--------	L	70920986			
73013683	70920795	48-1/2	70920945	70922831	A	73013682	--------	E	70920973			
73017959	70920921	29-1/4	70920852	70920344	A	70920852	70920344	A	70919281			
74335557	70919196	7-7/8	70920847	70920301	A	70920833	70919200	C	70919143			
74365676	70919196	7-3/4	70920847	70920301	A	70920833	70919200	C	70919143			
74365678	70919196	15-3/4	70920847	70920301	A	70920833	70919200	C	70919143			
74376111	70919156	37-3/8	70920850	70920303	A	--------	70919175	F	70919076			
74376742	70919156	17	70920880	70919254	D	70920872	70919158	E	70919076			
74377153	70919772	11-1/4	70920863	70920155	E	70920863	70920155	E	70919768			
74377457	70919156	26-1/4	70920880	70919254	D	70920872	70919158	E	70919076			
74377458	70919155	22-3/4	70920879	70919159	D	70920864	70919082	E	70919075			

PACKAGED PARTS

PACKAGE NO.	DESCRIPTION
--------	BLOCK KIT, clutch camshaft (See page 245)
--------	CLUTCH KIT, over-running, torque converter (See page 261)
--------	ELEMENT KITS, filter and breather (See HYDRAULIC TANK section)
--------	FILTER KIT, hydraulic system fluid (See SHOVEL PORTABLE FILTER)
74377389	GASKET KIT, cylinder head (Tractors prior to serial No. 4001)
	1 74361537 GASKET (Not for HD16. Discard)
	4 74364131 WASHER, sealing, rocker cover nut
	1 74366244 GASKET, exhaust flange
	2 74371054 GASKET, cylinder head
	1 74371897 GASKET, water manifold connecting
	2 74375720 GASKET, rocker cover
	12 74375865 GASKET, intake and exhaust manifold
	2 74376430 GASKET, breather connector
	1 74376520 GASKET, water manifold cover
	1 74386137 GASKET, upper water by-pass line
	6 74511204 GASKET, injection nozzle
	1 74660344 GASKET (Not for HD16. Discard)
	6 74660355 GASKET, water manifold
74386740	GASKET KIT, cylinder head (Tractors serial No. 4001 and up)
	8 74255956 SLEEVE, fuel line
	1 74361551 GASKET, air intake elbow
	1 74362458 GASKET, upper water by-pass tube
	1 74366244 GASKET, exhaust flange
	12 74375865 GASKET, intake and exhaust manifold
	6 74376483 GASKET, water manifold
	1 74376520 GASKET, thermostat cover
	2 74376578 GASKET, cylinder head lower cover
	2 74376656 GASKET, breather connector
	4 74376749 WASHER, rocker cover
	6 74378031 GASKET, injection nozzle
	2 74379026 GASKET, rocker cover
	2 74379167 GASKET, center exhaust manifold (Discard. Not for HD16)
	1 74386137 GASKET, water by-pass tube
	2 74386310 GASKET, cylinder head
	2 74386370 GASKET, cylinder head
	1 74392279 GASKET, water manifold connecting
74377387	GASKET KIT, intermediate, engine cylinder block (Tractors prior to serial No. 4001)
	1 74030481 GASKET, lower water by-pass line
	2 74113897 GASKET, regulating valve nut
	1 74251601 GASKET, tachometer drive adapter
	1 74255904 O-RING, flywheel housing
	3 74310257 GASKET, oil filler and water elbows
	1 74336897 RING, sealing flywheel housing
	1 74361740 GASKET, water pump gear cover
	6 74364131 WASHER, sealing, push rod cover capscrew
	1 74367090 GASKET, tachometer hole nut

(Continued)

PACKAGED NO.		DESCRIPTION
74377387 (Cont'd)		GASKET KIT, intermediate, engine cylinder block (Tractors prior to serial No. 4001)
	4	74371027 GASKET, oil lines
	2	74371160 GASKET, water inlet bonnet (Discard 1)
	1	74371289 GASKET, oil pan cover
	4	74371345 GASKET, oil lines
	1	74372429 GASKET, water inlet manifold
	1	74373069 GASKET, oil pan cover
	1	74376398 GASKET, water pump
	1	74376605 GASKET, fuel transfer pump
	1	74376609 GASKET, timing gear cover
	4	74385520 GASKET, water inlet manifold
	1	74386495 GASKET, oil by-pass valve
	1	74660423 GASKET, oil pump discharge tube
	1	74660429 GASKET, crankcase rear seal housing
	1	74660457 GASKET, accessory drive
	1	74660492 GASKET, timing gear housing
	1	74660517 GASKET, cylinder block cover plate
	2	74660564 GASKET, push rod cover
74378062		GASKET KIT, intermediate, engine cylinder block (Tractors serial No. 4001 and up)
	2	70035249 GASKET, oil drain plug
	16	70923379 O-RING, injection line connector and water tubes
	2	70923651 O-RING, bonnet tube
	5	70923934 O-RING, heat exchanger and oil filter
	2	74113897 GASKET, regulating valve nut
	2	74255631 O-RING, oil cooler
	4	74255665 O-RING, injection pump bracket
	1	74255904 O-RING, flywheel housing
	3	74310257 GASKET, oil filler and water outlet elbow (Discard 1 on HD16)
	1	74336897 RING, sealing, flywheel housing
	1	74361740 GASKET, water pump gear cover
	1	74367090 GASKET, tachometer hole nut
	1	74371027 GASKET, gear housing closure cover
	2	74371160 GASKET, water inlet bonnet (Discard 1 on HD16)
	1	74371289 GASKET, oil pan cover
	4	74371345 GASKET, oil lines
	1	74371742 GASKET (Discard. Not for HD16)
	1	74373069 GASKET, oil pan cover
	1	74376398 GASKET, water pump
	1	74376603 GASKET, accessory drive
	1	74376605 GASKET, fuel transfer pump
	1	74376609 GASKET, timing gear housing cover
	1	74376811 GASKET, lower water by-pass tube
	4	74385520 GASKET, water inlet manifold
	1	74386495 GASKET, water and oil manifold, lower
	1	74389291 GASKET, water and oil manifold, upper
	1	74660423 GASKET, oil pump discharge tube
	1	74660492 GASKET, timing gear housing
	1	74660517 GASKET, cylinder block cover plate
	2	74660564 GASKET, push rod cover
	1	74376749 WASHER, push rod cover

PACKAGED PARTS

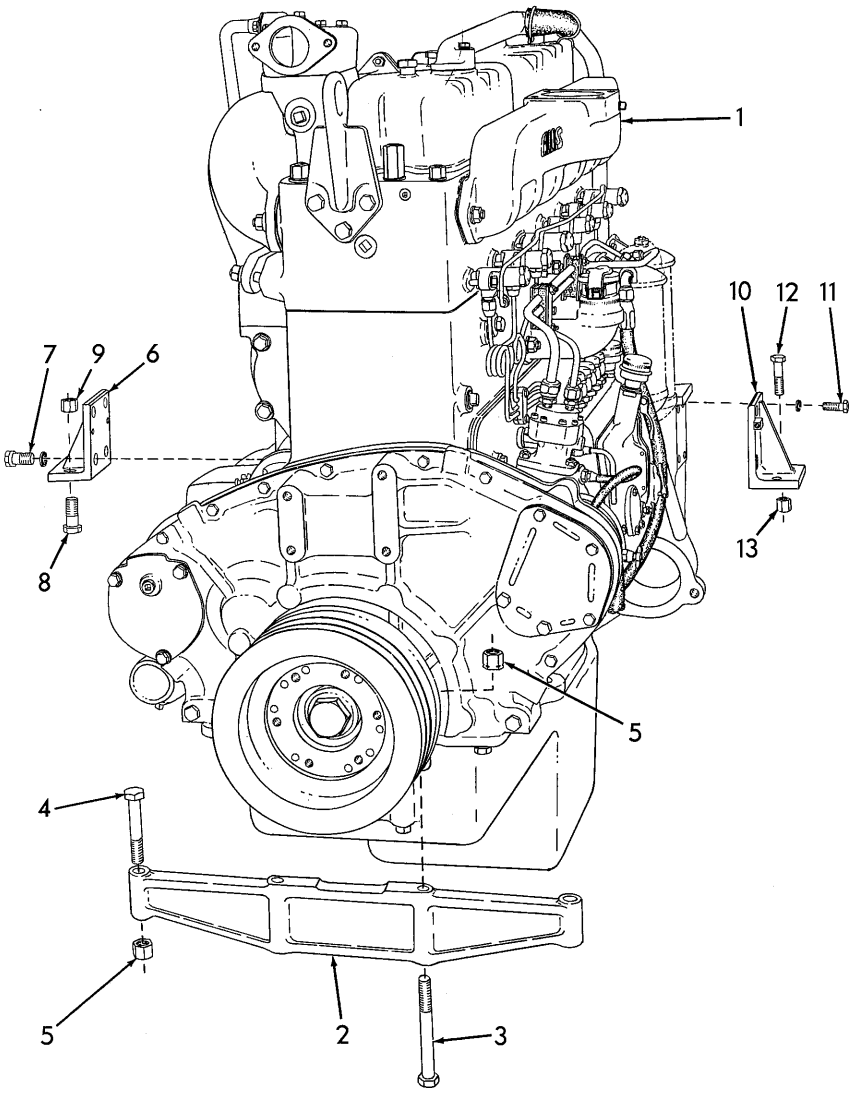
PACKAGE NO.	DESCRIPTION
--------	LEVER KIT, pressure plate (See page 239)
--------	LINING KITS, brake band (See BRAKES section)
--------	LOCK KIT, clutch adjustment (See page 245)
--------	LUBRICATION KIT, steering clutch throwout bearing (See first type STEERING CLUTCHES)
--------	PIPING AND ADAPTER KIT (See SHOVEL PORTABLE FILTER)
74385698	PISTON AND SLEEVE KIT (Tractors prior to serial No. 4001)
	2 74253643 RETAINER, piston pin
	1 74366656 PISTON
	1 74369871 PIN, piston
	1 74379178 O-RING, cylinder sleeve
	1 74379277 RING SET, piston
	2 74385485 O-RING, cylinder sleeve
	1 74386282 SLEEVE, cylinder
74388363	PISTON AND SLEEVE KIT (Tractor serial No. 4001 and up)
	2 74253643 RETAINER, piston pin
	1 74379178 O-RING, cylinder sleeve
	1 74385424 PIN, piston
	2 74385485 O-RING, cylinder sleeve
	1 74385734 PISTON
	1 74388359 RING SET, piston
	1 74386282 SLEEVE, cylinder
--------	REPAIR KIT, dump cylinder (See page 637)
--------	REPAIR KIT, lift cylinder (See page 635)
--------	RING SETS (See PISTON AND CONNECTING ROD section)
--------	RING SET, snap, shovel hydraulic pump (See SHOVEL PUMP AND DRIVE)
--------	SEAL KIT (See FINAL DRIVE OUTBOARD BEARING AND SEAL)
--------	SEAL KIT (See FINAL DRIVE SPROCKET, SHAFT AND GEAR)
--------	SEAL KIT (See TRACK IDLER)
--------	SEAL KIT (See TRACK SUPPORTING ROLLER)
--------	SEAL KIT (See TRUCK WHEELS)
--------	SEAL KIT, torque converter fluid (See page 261)
--------	TRANSFER KIT (See PAINTING AND MARKING)
70631923	TRUCK FRAME KIT, left (For frame replacement on Model HD16GC tractors prior to serial No. 5616)
	1 70631915 FRAME ASSY., left
	3 70078314 WASHER, plain, guard shimming
	32 70631290 BLOCK, tapped, truck wheel capscrew
	1 70631291 BRACKET ASSY., track idler, left
	1 70631292 BRACKET ASSY., track idler, right
	16 70632142 SHIM, tractor leveling
	4 70632254 BLOCK, tapped, rigid beam capscrews
	2 70638957 PLATE, guide, track idler
70631924	TRUCK FRAME KIT, right (For frame replacement on Model HD16GC tractors prior to serial No. 5616)
	1 70631916 FRAME ASSY., right
	3 70078314 WASHER, plain, guard shimming

(Continued)

PACKAGE NO.		DESCRIPTION
70631924 (Cont'd)		TRUCK FRAME KIT, right (For frame replacement on Model HD16GC tractors prior to serial No. 5616)
	32	70631290 BLOCK, tapped, truck wheel capscrew
	1	70631291 BRACKET ASSY., track idler, left
	1	70631292 BRACKET ASSY., track idler, right
	16	70632142 SHIM, tractor leveling
	4	70632254 BLOCK, tapped, rigid beam capscrews
	2	70638957 PLATE, guide, track idler
70632139		TRUCK FRAME KIT, left (For frame replacement on Model HD16D, DC tractors prior to serial No. 5655)
	1	70631621 FRAME ASSY., left
	3	70078314 WASHER, plain, guard shimming
	1	70630546 SEAT, equalizing spring
	2	70631033 BLOCK, tapped, equalizing spring seat
	28	70631290 BLOCK, tapped, truck wheel capscrew
	1	70631291 BRACKET ASSY., track idler, left
	1	70631292 BRACKET ASSY., track idler, right
	14	70632142 SHIM, tractor leveling
	2	70638957 PLATE, guide, track idler
70632140		TRUCK FRAME KIT, right (For frame replacement on Model HD16D, DC tractors prior to serial No. 5655)
	1	70631622 FRAME ASSY., right
	3	70078314 WASHER, plain, guard shimming
	1	70630546 SEAT, equalizing spring
	2	70631033 BLOCK, tapped, equalizing spring seat
	28	70631290 BLOCK, tapped, truck wheel capscrew
	1	70631291 BRACKET ASSY., track idler, left
	1	70631292 BRACKET ASSY., track idler, right
	14	70632142 SHIM, tractor leveling
	2	70638957 PLATE, guide, track idler
70632307		TRUCK FRAME KIT, left (For frame replacement on Model HD16A, AC tractors prior to serial No. 5701)
	1	70632169 FRAME ASSY., left
	3	70078314 WASHER, plain, guard shimming
	1	70630546 SEAT, equalizing spring
	2	70631033 BLOCK, tapped, equalizing spring seat
	24	70631290 BLOCK, tapped, truck wheel capscrew
	1	70631291 BRACKET ASSY., track idler, left
	1	70631292 BRACKET ASSY., track idler, right
	12	70632142 SHIM, tractor leveling
	2	70638957 PLATE, guide, track idler
70632308		TRUCK FRAME KIT, right (For frame replacement on Model HD16A, AC tractors prior to serial No. 5701)
	1	70632170 FRAME ASSY., right
	3	70078314 WASHER, plain, guard shimming
	1	70630546 SEAT, equalizing spring
	2	70631033 BLOCK, tapped, equalizing spring seat
	24	70631290 BLOCK, tapped, truck wheel capscrew
	1	70631291 BRACKET ASSY., track idler, left
	1	70631292 BRACKET ASSY., track idler, right
	12	70632142 SHIM, tractor leveling
	2	70638957 PLATE, guide, track idler

PACKAGED PARTS

PACKAGE NO.			DESCRIPTION
70632551			TRUCK FRAME KIT, left (For frame replacement on Model HD16FC)(Tractors prior to serial No. 5632)
	1	70631913	FRAME ASSY., left
	3	70078314	WASHER, plain, guard shimming
	28	70631290	BLOCK, tapped, truck wheel capscrew
	1	70631291	BRACKET ASSY., track idler, left
	1	70631292	BRACKET ASSY., track idler, right
	14	70632142	SHIM, tractor leveling
	4	70632554	BLOCK, tapped, rigid beam capscrews
	2	70638957	PLATE, guide, track idler
70632552			TRUCK FRAME KIT, right (For frame replacement on Model HD16FC)(Tractors prior to serial No. 5632)
	1	70631914	FRAME ASSY., right
	3	70078314	WASHER, plain, guard shimming
	28	70631290	BLOCK, tapped, truck wheel capscrew
	1	70631291	BRACKET ASSY., track idler, left
	1	70631292	BRACKET ASSY., track idler, right
	14	70632142	SHIM, tractor leveling
	4	70632554	BLOCK, tapped, rigid beam capscrews
	2	70638957	PLATE, guide, track idler
70654505			STARTER KIT (Provides solenoid type starter to replace original mechanical type)
	1	70079356	CABLE, switch to starter
	1	70095860	CABLE, switch to ammeter
	1	70240962	SWITCH ASSY.
	1	70620350	MOTOR
	1	S-4415	WIRING DIAGRAM



ENGINE AND MOUNTING

USAGE: Tractors prior to serial No. 4001 (HD844 series engine)

*Used prior to tractor serial No. 2508, excluding No. 2506

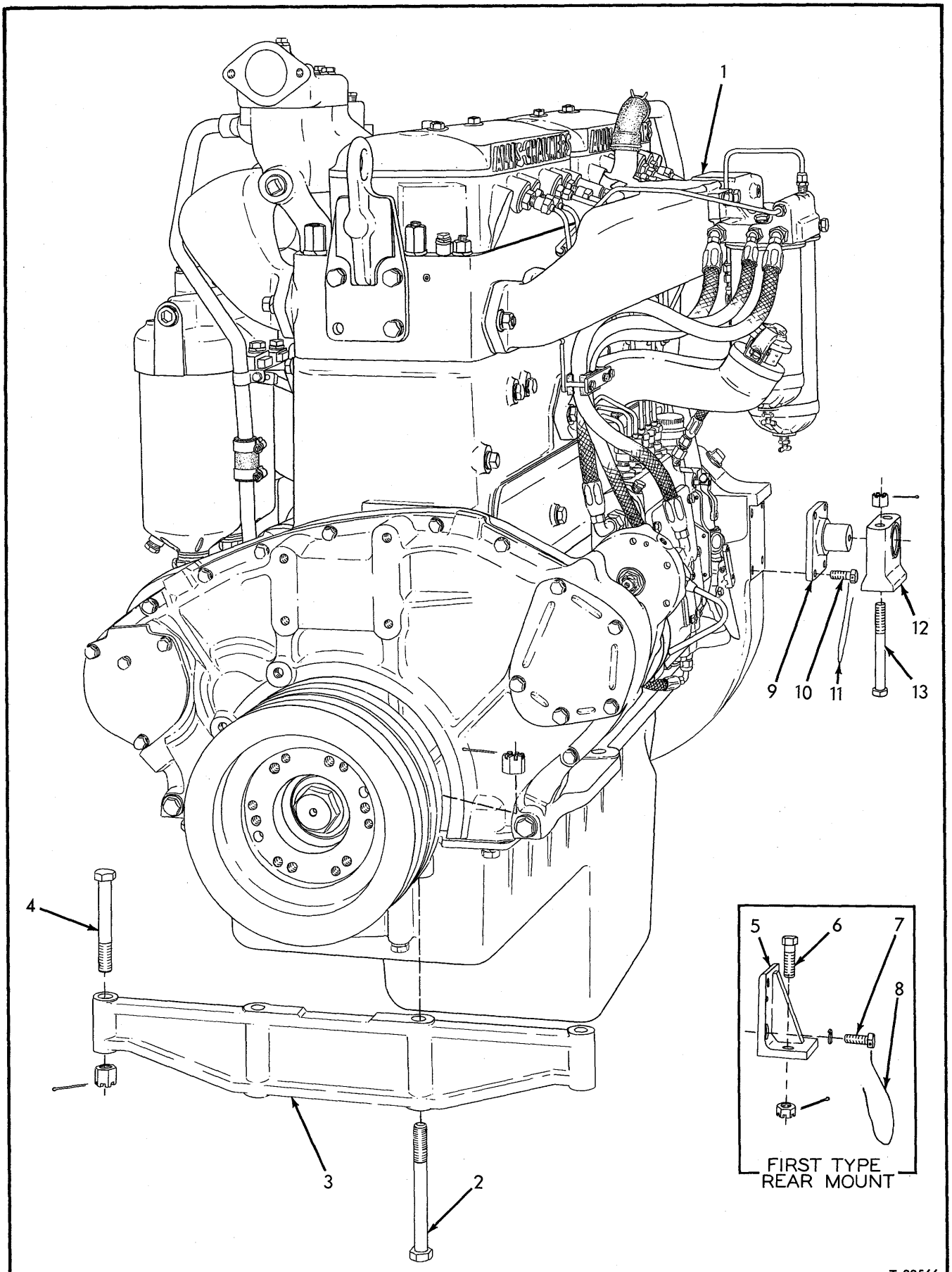
**Effective with tractor serial No. 2508, including No. 2506

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	--------	1	1	ENGINE ASSY. (For tractors without torque converter)(Order Engine Assy. 74386320 and conversion items listed on Parts Bullentin CM-323)
	--------	1	1	ENGINE Assy. (For tractors with torque converter)(Order Engine Assy. 74386320 and conversion items listed on Parts Bulletin CM-323)

(Continued)

ENGINE AND MOUNTING (Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
2	70083778	1	1	HANGER, engine supporting, front
3	70023614	2	2	CAPSCREW, 5/8"NF x 5-3/4" (Original equipment)
	70070935	2	2	CAPSCREW, 5/8"NF x 5" — Used with service replacement mounting
	70070836	2	2	LOCK, capscrew — bracket only
4	70070299	2	2	CAPSCREW, 5/8"NF x 4"
5	70072366	4	4	NUT, high, 5/8"NF
6	70081742	1	-	BRACKET, engine supporting, right rear
	70092456	-	1	BRACKET, engine supporting, right rear
7	70035733	4	-	CAPSCREW, 1/2"NC x 1-3/8"
	70904208	4	-	LOCKWASHER, 1/2"
	70035440	-	4	CAPSCREW, 5/8"NC x 1-1/2"
	70904209	-	4	LOCKWASHER, 5/8"
8	70089129	2	-	CAPSCREW, drilled-end, 5/8"NF x 2"
	70013465	-	2	CAPSCREW, 3/4"NF x 2-1/2"
9	70912840	2	-	NUT, slotted, 5/8"NF
	70900806	2	-	PIN, cotter, 1/8" x 1"
	70012767	-	2	NUT, high, 3/4"NF
10	70081742	1	-	BRACKET, engine supporting, left rear
	70092463	-	1	BRACKET, engine supporting, left rear
11	70035733	4	-	CAPSCREW, 1/2"NC x 1-3/8"
	70904208	4	-	LOCKWASHER, 1/2"
	70035440	-	4	CAPSCREW, 5/8"NC x 1-1/2"
	70904209	-	4	LOCKWASHER, 5/8"
12	70035248	2	-	CAPSCREW, 5/8"NF x 2-1/4"
	70013465	-	2	CAPSCREW, 3/4"NF x 2-1/2"
13	70072366	2	-	NUT, high, 5/8"NF
	70012767	-	2	NUT, high, 3/4"NF



ENGINE AND MOUNTING (Second type)

ENGINE AND MOUNTING

USAGE: Tractors serial No. 4001 and up (16000 series engine)

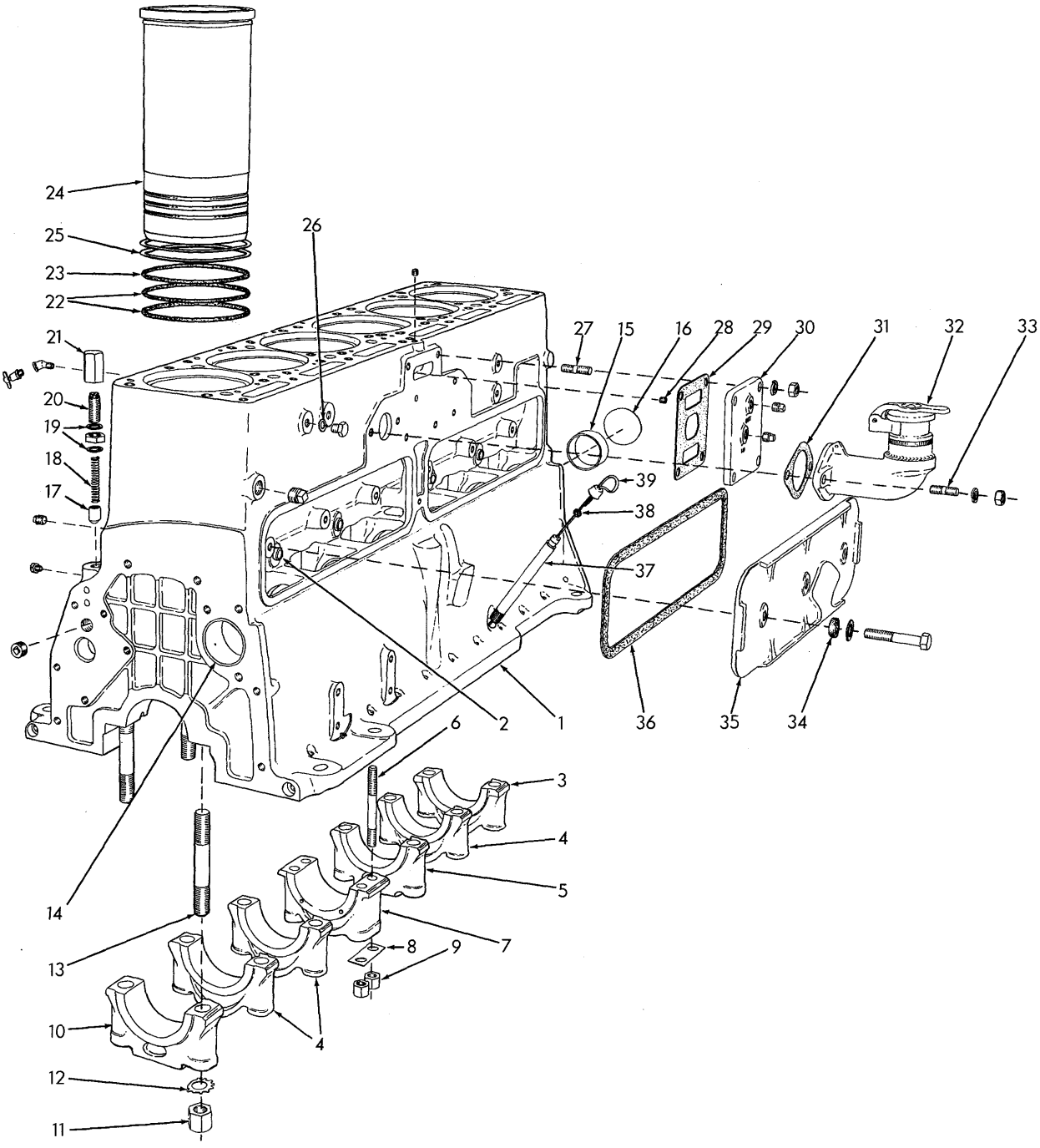
*Used prior to tractor serial No. 5062
**Effective with tractor serial No. 5062

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
				NOTE: Each engine assembly listed below includes oil filter, oil cooler and fuel filter but does not include air cleaner, fan, generator, muffler, starter or the first stage fuel filter element. This element must be added if tractor is not equipped with Special Heavy-duty Fuel Filter.
1	74377000	1	1	ENGINE ASSY. (For tractors without torque converter)
	74377110	1	1	ENGINE ASSY. (For tractors with torque converter)
2	70023614	2	-	CAPSCREW, engine mounting, front (5/8"NF x 5-3/4")(Used prior to tractor #4968)(Original equipment)
	70072366	2	-	NUT, high, 5/8"NF
	70099061	2	2	CAPSCREW, engine mounting, front (drilled-end, 5/8"NF x 5-3/4")(Effective with tractor #4968) (Original equipment)
	70913280	2	2	NUT, high, slotted 5/8"NF
	70900806	2	2	PIN, cotter 1/8" x 1"
	70070935	2	2	CAPSCREW, engine mounting (5/8"NF x 5") (Used with service replacement mounting bracket only)
	70070836	1	1	LOCK, capscrew (Used with service replacement mounting bracket only)
3	70083778	1	1	HANGER, engine supporting, front end
4	70045524	2	-	CAPSCREW, front hanger (5/8"NF x 4-1/2")(Used prior to tractor #4968)
	70072366	2	-	NUT, high, 5/8"NF
	70911044	2	-	NUT, regular, 5/8"NF
	70099062	2	2	CAPSCREW, front hanger (drilled-end, 5/8"NF x 4")(Effective with tractor #4968)
	70913280	2	2	NUT, high, slotted, 5/8"NF
	70900806	2	2	PIN, cotter, 1/8" x 1"
5	70092455	1	-	BRACKET, rear mounting, left
	70096549	1	-	BRACKET, rear mounting, right
6	70012984	4	-	CAPSCREW, 3/4"NF x 2-3/4" } Used prior to
	70012767	4	-	NUT, high, 3/4"NF } tractor#4266
	70911045	4	-	NUT, regular, 3/4"NF }
	70099434	4	-	CAPSCREW, drilled-end, 3/4"NF x 2" } Effective
	70912331	4	-	NUT, slotted, 3/4"NF } with tractor
	70900808	4	-	PIN, cotter, 1/8" x 1-1/2" } #4266
7	70023619	8	-	CAPSCREW, drilled-hd., 5/8"NC x 1-1/2"
	70904209	8	-	LOCKWASHER, 5/8"
8	70023633	4	-	WIRE, locking, 1/16" x 12"

(Continued)

ENGINE AND MOUNTING (Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
9	70099307	-	1	TRUNNION, rear mounting, left side
	70099308	-	1	TRUNNION, rear mounting, right side
10	70023619	-	8	CAPSCREW, drilled-hd., 5/8"NC x 1-1/2"
11	70023633	-	4	WIRE, locking, 1/16" x 12"
12	70631773	-	2	BRACKET, engine supporting, rear
13	70099435	-	4	CAPSCREW, drilled-end, 3/4"NF x 6-3/4"
	70910879	-	4	NUT, high, slotted, 3/4"NF
	70900808	-	4	PIN, cotter, 1/8" x 1-1/2"



T-13105

CYLINDER BLOCK (First type)

CYLINDER BLOCK

USAGE: Tractors prior to serial No. 4001 (HD844 series engine)

ITEM	PART NO.	QTY.	DESCRIPTION
1	74374324	1	BLOCK ASSEMBLY, cylinder (Includes items 3 thru 16, 26, 28 and hardware indented below) (Engines prior to #81868. Uses pressed-in idler gear shaft)
	74373969	1	BLOCK ASSEMBLY, cylinder (Includes items 2 thru 15, 26, 28 and hardware indented below) (Effective with engine #81868. Uses flanged idler gear shaft)
	70919134	6	PLUG, pipe, hex-hd., 1/8"NPT (oil gallery)
	70917673	1	PLUG, pipe, socket-hd., 1/8"NPT (top of block)
	70918850	2	PLUG, pipe, hex-socket, 1/4"NPT (water holes)
	70904223	2	PLUG, pipe, ctsk-hd., 1/2"NPT (oil gallery)
	70901654	1	PLUG, pipe, sq-hd., 1/2"NPT (water hole)
	70907058	1	ELBOW, street, 45°, 1/4"NPT (water-drain)
	74255363	1	COCK, drain, 1/4"NPT
2	------	4	DOWEL, valve lifter bracket (See VALVE OPERATING MECHANISM)
3	74377325	1	*CAP, main bearing, rear
4	74377321	3	*CAP, main bearing, intermediate
5	74377322	1	*CAP, main bearing, intermediate (No. 5)
6	74375668	4	STUD, center main bearing (5/8" diam.)
7	74377324	1	*CAP, main bearing, center
8	74360051	2	PLATE, locking, center main bearing stud nut
9	74360048	4	NUT, center main bearing stud (5/8"NF)
10	74377320	1	*CAP, main bearing, front
11	74303199	12	NUT, main bearing stud (7/8"NF)
12	74372515	12	LOCKWASHER, main bearing stud nut
13	74375679	8	STUD, main bearing (7/8" diam., 5-3/4" long)
	74375681	4	STUD, main bearing (7/8" diam., 6" long)
14	74660389	1	BEARING, camshaft, front
15	74660440	3	BEARING, camshaft, rear and intermediate
16	74374560	1	PLUG, camshaft hole
17	74500230	1	PISTON, oil pressure regulating valve
18	74660358	1	SPRING, oil pressure regulating valve
19	74113897	2	□ GASKET, regulating valve nut (Original equipment. Not used with SCREW 74389058)

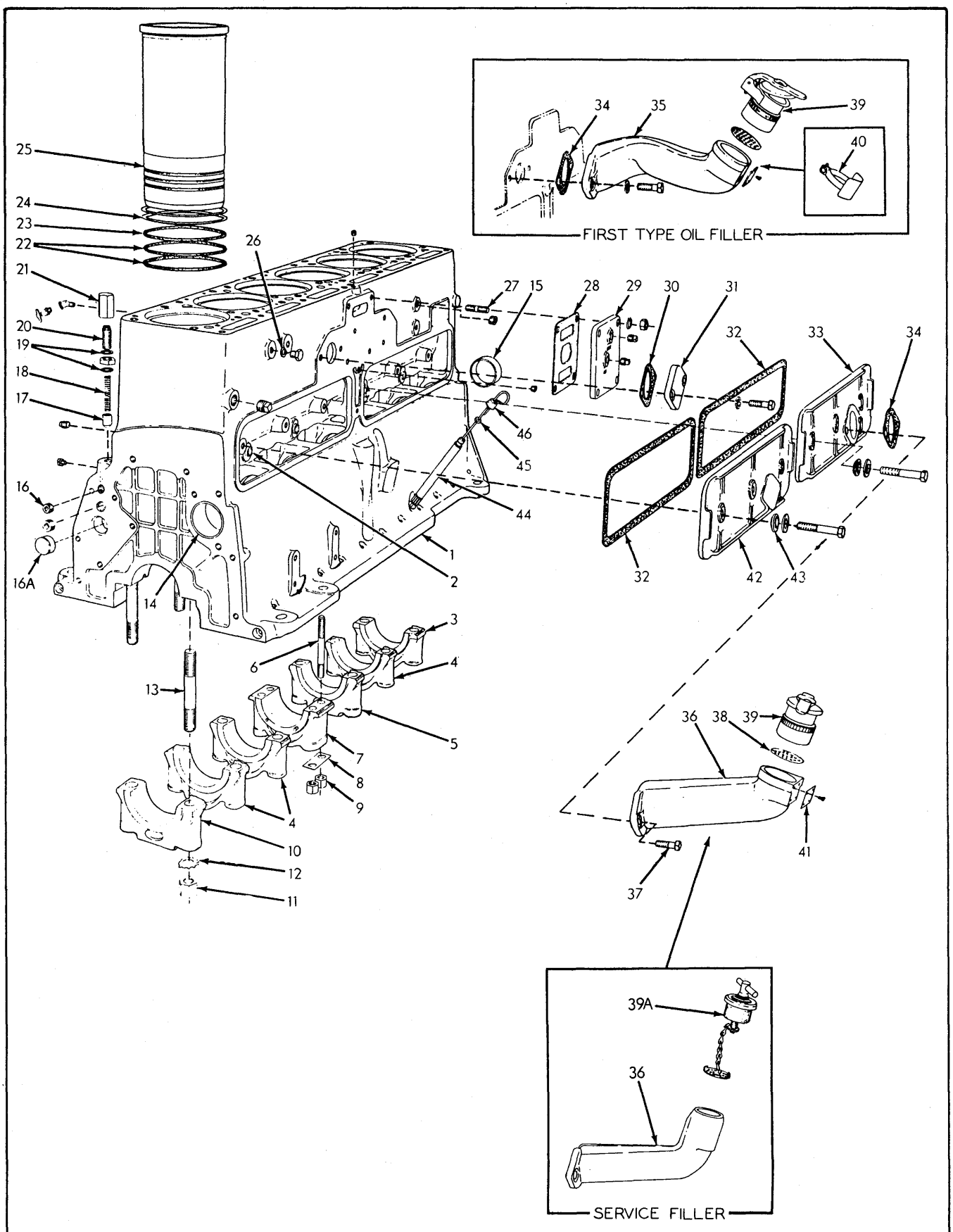
* Replacement bearing caps are semi-finished and must be line-bored after installing

(Continued)

CYLINDER BLOCK (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
20	------	1	SCREW, oil pressure regulating valve (Original equipment)
	74389058	1	SCREW, oil pressure regulating valve (Nylok insert)(Service replacement)
	70910847	1	NUT, jam, 3/4"NF
21	------	1	NUT, cap, oil pressure regulating valve (Original equipment)(Order SCREW 74389058)
22	74379178	6	O-RING, cylinder sleeve (Black. For lower groove)(For early type sleeves with tear-drop grooves)
	74385485	12	□ O-RING, cylinder sleeve (Red. For lower grooves)(Not for early type sleeves with tear-drop grooves)
23	74379178	6	□ O-RING, cylinder sleeve (Upper groove)
24	74386282	6	□ SLEEVE, cylinder
25	74368204	-	SHIM, cylinder sleeve (.005" thick)
	------	-	SHIM, cylinder sleeve (.008" thick)
	74368205	-	SHIM, cylinder sleeve (.010" thick)
	74368206	-	SHIM, cylinder sleeve (.015" thick)
	74369002	-	SHIM, cylinder sleeve (.020" thick)
			Use as required when re-machining block
26	74119937	2	GASKET, plugging screw
	70919229	2	CAPSCREW, 1/2"NC x 1/2"
27	74300570	4	STUD, cover plate
	70904208	4	LOCKWASHER, 1/2"
	70910195	4	NUT, 1/2"NF
28	74005193	2	RESTRICTOR, rocker oil supply
29	74660517	1	□ GASKET, cylinder block cover plate
30	74364271	1	PLATE, cover, cylinder block hole
	70901652	2	PLUG, pipe, 1/4"NPT
31	74310257	1	□ GASKET, oil filler pipe
32	74371554	1	PIPE ASSEMBLY, oil filler (Includes cap)
33	74300570	2	STUD, oil filler pipe
	70904208	2	LOCKWASHER, 1/2"
	70910195	2	NUT, 1/2"NF
34	74364131	6	□ WASHER, push rod cover capscrew (rubber)
35	74379179	2	COVER, push rod
	70903642	6	CAPSCREW, 1/2"NC x 2-1/2"
	70900818	6	WASHER, plain, U. S. Std., 1/2"
36	74660564	2	□ GASKET, push rod cover
37	74371359	1	ADAPTER, oil level gauge
38	74506607	1	SEAL, oil level gauge
39	74379241	1	GAUGE ASSEMBLY, oil level (Includes item 38)

MEMO



CYLINDER BLOCK (Second type)

CYLINDER BLOCK

USAGE: Tractors serial No. 4001 and up (16000 series engine)

ITEM	PART NO.	QTY.	DESCRIPTION
1	74386459	1	BLOCK ASSEMBLY, cylinder (Includes items 2 thru 16 and hardware indented below)(If for engines prior to #16-4582 also order 1 MANIFOLD 74385541, 1 PLUG 70901653 and 4 GASKETS 74385520)
	-------	2	DOWEL, flywheel housing (See FLYWHEEL AND HOUSING)
	70919134	1	PLUG, pipe, hex-hd., 1/8"NPT
	70919840	4	PLUG, pipe, hex-hd., 1/4"NPT
	70920333	1	PLUG, pipe, hex-hd., 3/8"NPT
	70917673	2	PLUG, pipe, hex-socket, 1/8"NPT
	70918850	1	PLUG, pipe, hex-socket, 1/4"NPT
	70918851	4	PLUG, pipe, hex-socket, 3/4"NPT
	70904224	2	PLUG, pipe, sq-socket, 3/4"NPT
	70915433	1	COCK, drain, 1/4"NPT
	70907058	1	ELBOW, street, 45°, 1/4"NPT (water drain)(Used prior to engine #16-05389)
2	------	4	DOWEL, valve lifter bracket (See VALVE OPERATING MECHANISM)
3	74377325	1	*CAP, main bearing, rear
4	74377321	3	*CAP, main bearing, intermediate
5	74377322	1	*CAP, main bearing, intermediate (No. 5)
6	74375668	4	STUD, center main bearing (5/8" diam.)
7	74379666	1	*CAP, main bearing, center
	-------	4	PIN, dowel, thrust flange (See CRANKSHAFT)
8	74360051	2	PLATE, locking, center main bearing stud nut
9	74360048	4	NUT, center main bearing stud (5/8"NF)
10	74377320	1	*CAP, main bearing, front
11	74303199	12	NUT, main bearing stud (7/8"NF)
12	74372515	12	LOCKWASHER, main bearing stud nut
13	74375679	8	STUD, main bearing (7/8" diam., 5-3/4" long)
	74375681	4	STUD, main bearing (7/8" diam., 6" long)
14	74660389	1	BEARING, camshaft, front
	74660440	2	BEARING, camshaft, intermediate
15	74660440	1	BEARING, camshaft, rear (1-3/8" long)(Used prior to engine #16-4773)
	74660389	1	BEARING, camshaft, rear (1-7/8" long)(Effective with engine #16-4773
16	74389943	1	RESTRICTOR, oil
16A	74387189	1	PLUG, crankcase (Effective with engine #16-05389)(Closes hole formerly used for timing idler gear shaft)
17	74500230	1	PISTON, oil pressure regulating valve
18	74660358	1	SPRING, oil pressure regulating valve

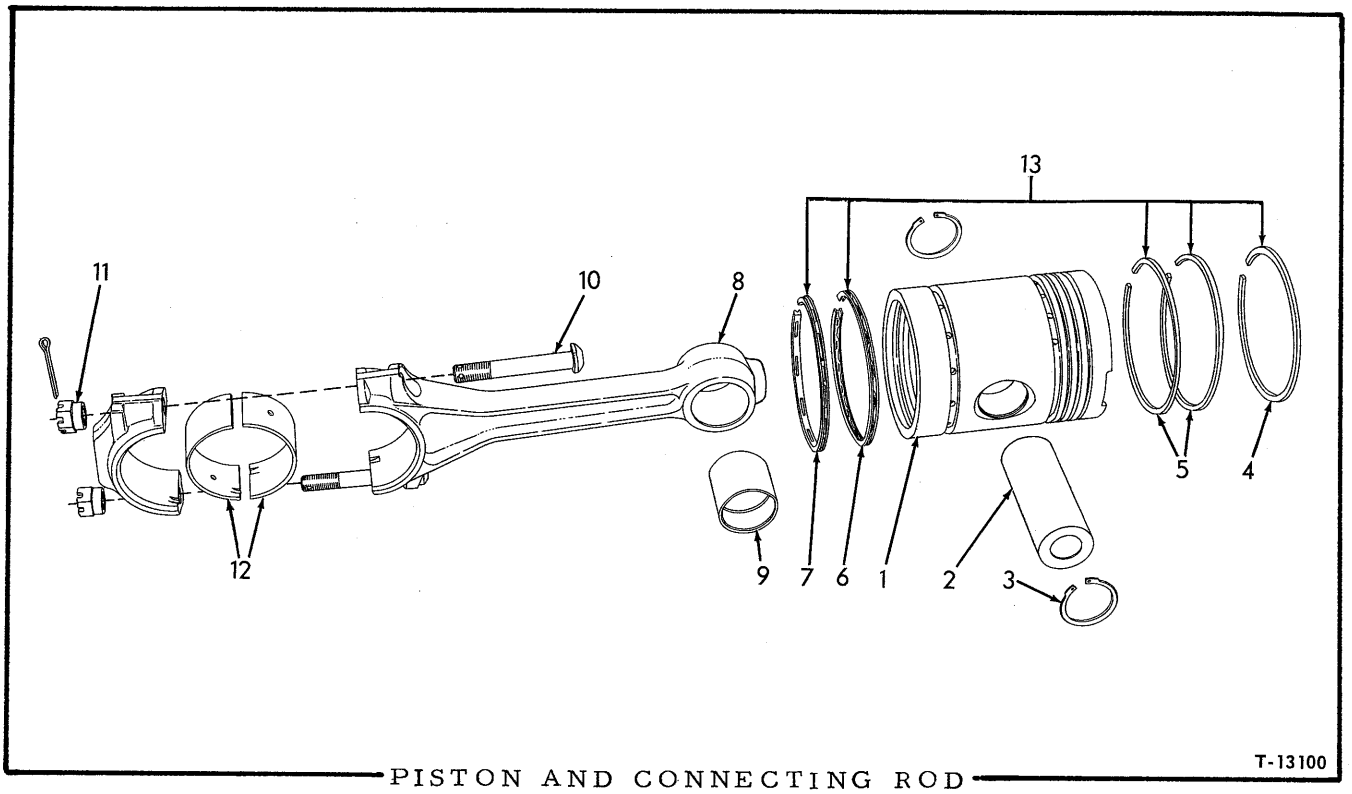
* Replacement bearing caps are semi-finished and must be line-bored after installing

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
19	74113897	2	□ GASKET, regulating valve nut (Original equipment. Not used with SCREW 74389058)
20	------	1	SCREW, oil pressure regulating valve (Original equipment)
	74389058	1	SCREW, oil pressure regulating valve (Nylok insert)(Service replacement)
	70910847	1	NUT, jam, 3/4"NF
21	------	1	NUT, cap, oil pressure regulating valve (Original equipment)(Order SCREW 74389058)
22	74379178	6	O-RING, cylinder sleeve (Black. For lower groove)(Used prior to engine #16-3721. For early type sleeves with tear-drop grooves)
	74385485	12	□ O-RING, cylinder sleeve (Red. For lower grooves)(Effective with engine #16-3721. Not for early type sleeves with tear-drop grooves)
23	74379178	6	□ O-RING, cylinder sleeve (For upper groove)
24	74379742	-	SHIM, cylinder sleeve (.002" thick) — Use as required when re-machining block
	74368204	-	SHIM, cylinder sleeve (.005" thick)
	------	-	SHIM, cylinder sleeve (.008" thick)
	74368205	-	SHIM, cylinder sleeve (.010" thick)
	74368206	-	SHIM, cylinder sleeve (.015" thick)
	74369002	-	SHIM, cylinder sleeve (.020" thick)
25	74386282	6	□ SLEEVE, cylinder
26	74119937	2	GASKET, plugging screw
	70917177	2	CAPSCREW, 1/2"NC x 1/2"
27	74300570	4	STUD, cover plate (Used prior to engine #16-4773)
	70904208	4	LOCKWASHER, 1/2"
	70910195	4	NUT, 1/2"NF
28	74660517	1	□ GASKET, cylinder block cover plate (Used prior to engine #16-4773)
29	74364271	1	PLATE, cover, cylinder block hole (Used prior to engine #16-4773)
	70901652	2	PLUG, pipe, 1/4"NPT
30	74310257	1	GASKET, oil filler hole cover (Effective with engine #16-4236)
31	74331522	1	PLATE, cover, oil filler hole (Effective with engine #16-4236)
	70915666	2	CAPSCREW, 1/2"NC x 1-3/8"
	70904208	2	LOCKWASHER, 1/2"
32	74660564	2	□ GASKET, push rod cover (cork)(Used prior to engine #16-4236)
	74377120	2	GASKET, push rod cover (raybestos)(Effective with engine #16-4236)

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
33	74379179	1	COVER, push rod, rear (Used prior to engine #16-4236)
	74379197	1	COVER, push rod, rear (Effective with engine #16-4236)
	70903642	3	CAPSCREW, 1/2"NC x 2-1/2"
	70912333	3	WASHER, plain
34	74310257	1	□ GASKET, oil filler pipe
35	74377021	1	PIPE ASSEMBLY, oil filler (Includes items 38 and 39)(Used prior to engine #16-4236)
	70919048	2	CAPSCREW, 1/2"NC x 1-5/8"
	70904208	2	LOCKWASHER, 1/2"
36	------	1	ELBOW ASSEMBLY, oil filler (Includes items 38, 39 and 41)(Effective with engine #16-4236. Order 74389040 ELBOW and item 39A)
	74389040	1	ELBOW, oil filler (Service replacement only. Requires CLOSURE ASSEMBLY 74386863)
37	74379198	2	CAPSCREW, 1/2"NC x 1-3/8" (Nylok)
38	74335022	1	STRAINER, oil filler
39	74366461	1	CAP ASSEMBLY, oil filler (Serviced only as a unit)(Original equipment)
39A	74354449	1	CLOSURE ASSEMBLY, oil filler (Serviced only as a unit)(Service replacement only. Used with ELBOW 74389040)
40	74379291	1	PLATE AND STRAP ASSEMBLY, oil data (Used prior to engine #16-4131)
41	74379141	1	PLATE, oil data (Effective with engine #16-4131)
	70904516	4	SCREW, drive, #6 x 1/4"
42	74389809	1	COVER, push rod, front
	70903642	3	CAPSCREW, 1/2"NC x 2-1/2"
	70912333	3	WASHER, plain
43	74364131	6	WASHER, push rod cover capscrew (rubber)(Used prior to engine #16-4236)
	74376749	6	□ WASHER, push rod cover capscrew (Dynaseal)(Effective with engine #16-4236)
44	74371359	1	ADAPTER, oil level gauge
45	74506607	1	SEAL, oil level gauge
46	74379241	1	GAUGE ASSEMBLY, oil level (Includes item 44)



PISTON AND CONNECTING ROD

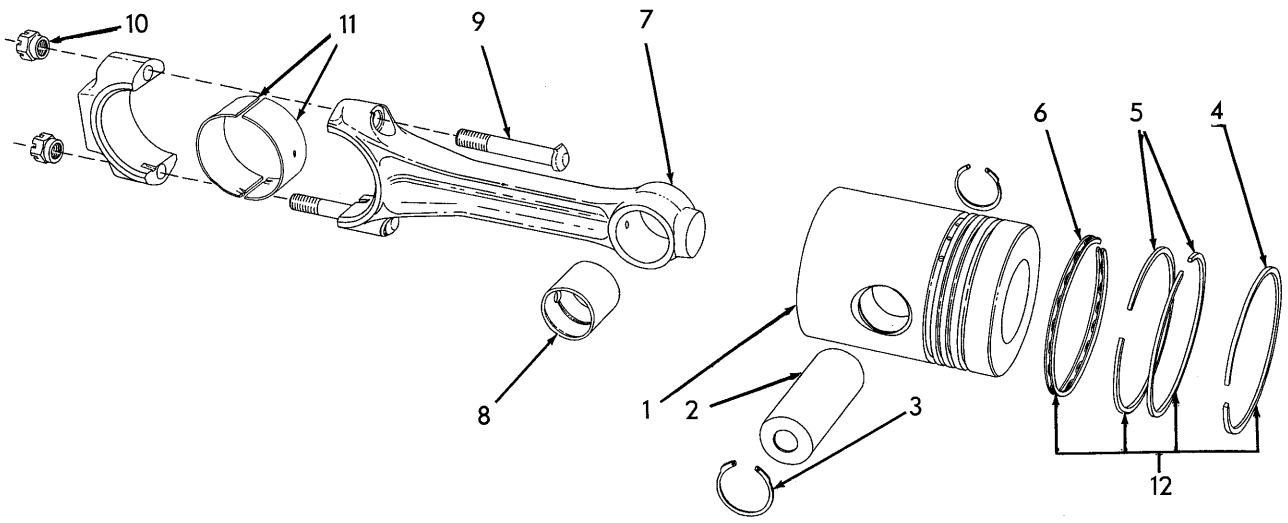
USAGE: Tractors prior to serial No. 4001 (HD844 series engine)

ITEM	PART NO.	QTY.	DESCRIPTION	
1	74366656	6	□ PISTON	
2	74369871	6	□ PIN, piston	
3	74253643	12	□ RETAINER, piston pin	
4	74368336	6	RING, compression (top groove)	See item 13
5	74378376	12	RING, compression (2nd and 3rd grooves)	
6	74379270	6	RING, oil control (4th groove)	
7	74378377	6	RING, oil control (5th groove)	
8	74371112	6	ROD ASSEMBLY, connecting (Includes items 9 thru 11)(Used prior to engine #68237. If complete set is required order 74374856)	
	74374856	6	ROD ASSEMBLY, connecting (Includes items 9 thru 11)(Effective with engine #68237)	
9	74377673	6	BUSHING, connecting rod	
10	74360867	12	BOLT, connecting rod	
11	74385760	12	NUT, connecting rod bolt	
	70916245	12	PIN, cotter, 5/32" x 1-1/8"	

(Continued)

PISTON AND CONNECTING ROD (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
12	74378357	12	BEARING, connecting rod (standard size)
	74378358	12	BEARING, connecting rod (.010" undersize)
	74378359	12	BEARING, connecting rod (.020" undersize)
	74378360	12	BEARING, connecting rod (.030" undersize)
	74378361	12	BEARING, connecting rod (.040" undersize)
13	74379277	6	□RING SET (Consists of items 4 thru 7)



PISTON AND CONNECTING ROD

USAGE: Tractors serial No. 4001 and up (16000 series engine)

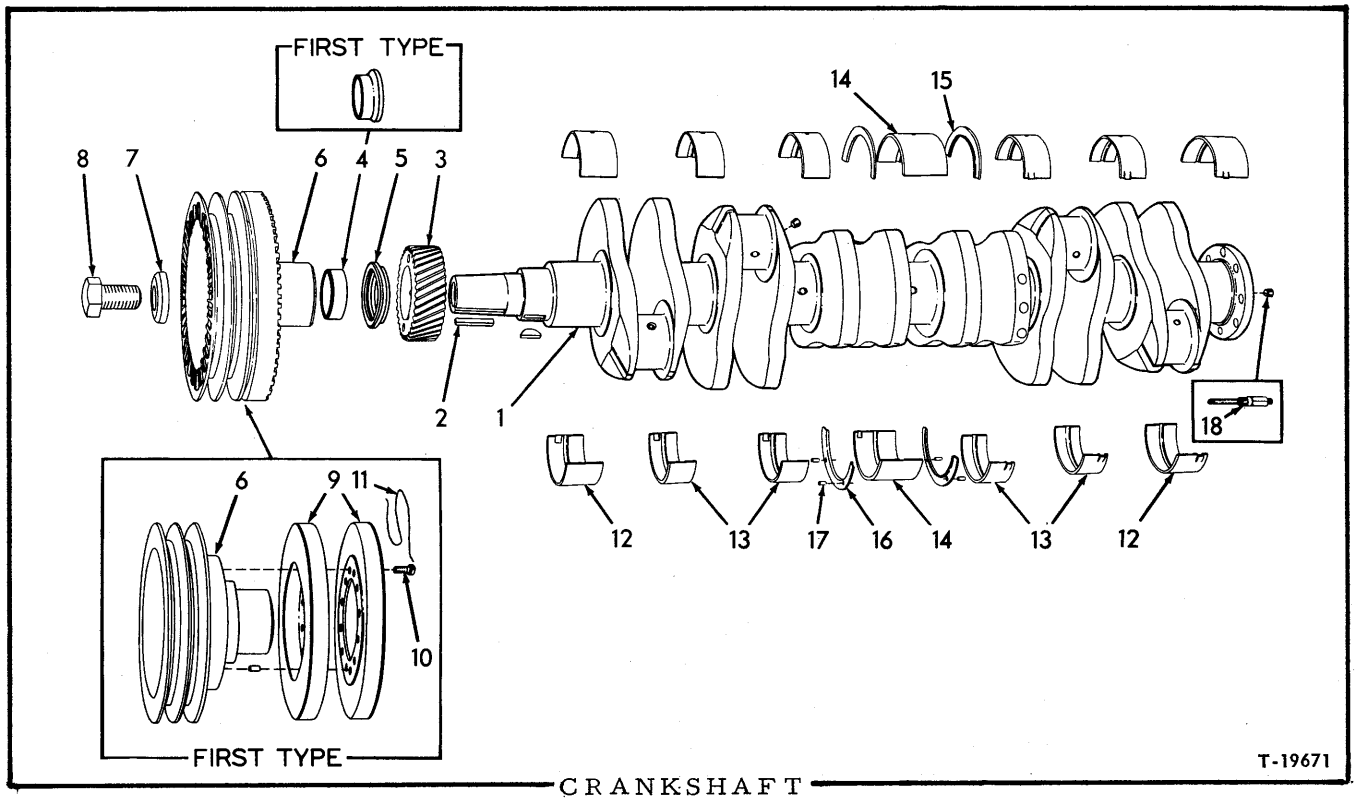
*Engines prior to serial No. 16-4652
**Engines serial No. 16-4652 and up

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	74376615	6	-	PISTON (5-ring)(Used prior to engine #16-4253, if replacing complete set order Piston 74385734 and Ring Set 74388352)
	74379657	6	-	PISTON (4-ring, 7 lb.)(Effective with engine #16-4253, if replacing complete set order Piston 74385734 and Ring Set 74388359)
	74385734	-	6	□PISTON (4-ring, 6-1/2 lb.)
2	74385424	6	6	□PIN, piston
3	74253643	12	12	□RETAINER, piston pin
				NOTE: For items 4, 5, 6 (See ITEM 12)
4	74376623	6	-	RING, compression (top groove, tapered type) (Used prior to engine #16-4253)
	74379658	6	-	RING, compression (top groove, 1/8" wide) (Effective with engine #16-4253)
	--------	-	6	RING, compression (top groove, 1/8" wide, grooved face)(Order item 12)
5	74378376	12	-	RING, compression (2nd and 3rd grooves)
	--------	-	12	RING, compression (2nd and 3rd grooves, grooved face)(Order item 12)

(Continued)

PISTON AND CONNECTING ROD (Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
6	74379270	6	-	RING, oil control (4th groove, 19 lb.)
	74389349	-	6	RING, oil control (4th groove, 26 lb.)
	74378377	6	-	RING, oil control (5th groove)(Used prior to engine #16-4253)
7	74389963	6	6	ROD ASSY., connecting (Includes items 8 thru 10)
8	74377673	6	6	BUSHING, connecting rod
9	74360867	12	12	BOLT, connecting rod
10	74390011	12	12	NUT, connecting rod bolt
11	74378357	12	12	BEARING, connecting rod (standard size)
	74378358	12	12	BEARING, connecting rod (.010" undersize)
	74378359	12	12	BEARING, connecting rod (.020" undersize)
	74378360	12	12	BEARING, connecting rod (.030" undersize)
	74378361	12	12	BEARING, connecting rod (.040" undersize)
12	74379276	6	-	RING SET, piston (Consists of items 4 thru 6) (Used prior to engine #16-4253)
	74379662	6	-	RING SET, piston (Consists of items 4 thru 6) (Effective with engine #16-4253)
	74388359	-	6	□RING SET, piston (Consists of items 4 thru 6)



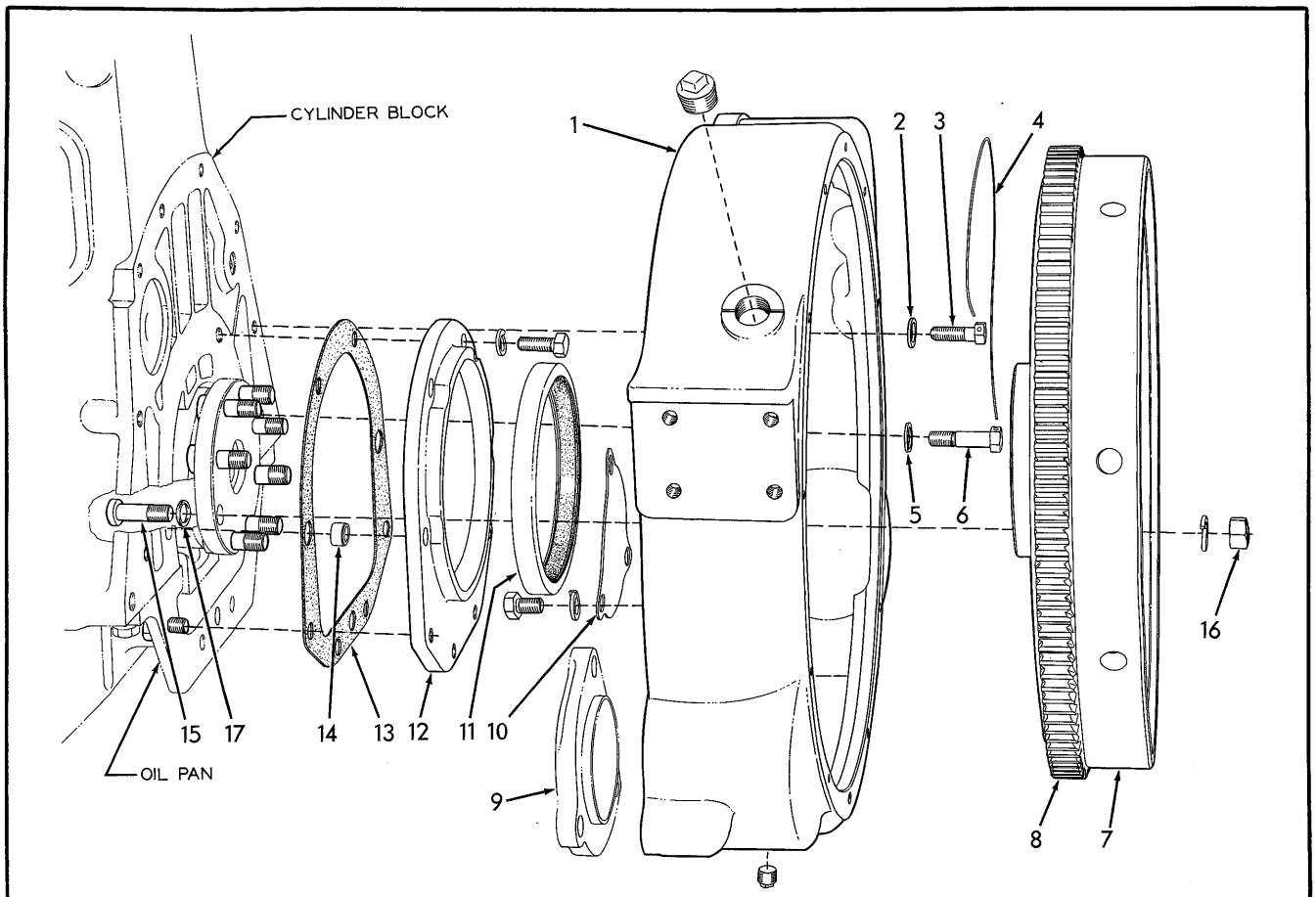
CRANKSHAFT

* Tractors prior to serial No. 4001 (HD844 series engine)
** Tractors serial No. 4001 and up (16000 series engine)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	74388532	1	-	CRANKSHAFT ASSEMBLY (Includes PLUGS indented below)
	74388508	-	1	CRANKSHAFT ASSEMBLY (Includes PLUGS indented below)
	70917673	6	6	PLUG, pipe, hex-socket, 1/8"NPT
	70907859	1	1	PLUG, pipe, hex-socket, 1/4"NPT (For units with torque converter only)
2	74362310	1	1	KEY, crankshaft pulley
3	74389052	1	1	GEAR, crankshaft
	70911021	1	1	KEY, #25 woodruff, 5/16" x 1-1/2"
4	74371472	1	-	SLEEVE, front oil seal (Used prior to engine #84055)
	74374390	1	1	SLEEVE, front oil seal (Used on engines #84055 thru #16-4703)
5	74374391	1	1	SPACER, front oil seal sleeve (Used on engines #84055 thru #16-4703)
6	74371599	1	-	PULLEY, crankshaft
	-------	-	1	PULLEY, crankshaft(Used prior to engine#16-4313. Order PULLEY 74385754)
	74385754	-	1	PULLEY, crankshaft (Includes integral damper) (Used on engines #16-4313 thru #16-05388)
	74386781	-	1	PULLEY, crankshaft (Includes integral damper (Effective with engine #16-05389)
7	74371503	1	1	WASHER, crankshaft pulley capscrew

(Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
8	74347897	1	1	CAPSCREW, crankshaft pulley
9	74369655	1	2	DAMPER, vibration (Used prior to engine #16-4313)
	70917020	2	2	PIN, dowel, 7/16" x 1"
10	74365868	6	6	CAPSCREW, drilled-hd, 7/16"NF x 7/8"
11	74503600	3	3	WIRE, locking, #18 x 10"
12	74375962	4	4	BEARING, front and rear main (standard size)
	74375974	4	4	BEARING, front and rear main (.010" undersize)
	74375975	4	4	BEARING, front and rear main (.020" undersize)
	74375976	4	4	BEARING, front and rear main (.030" undersize)
	74375977	4	4	BEARING, front and rear main (.040" undersize)
13	74375963	8	8	BEARING, intermediate main (standard size)
	74375985	8	8	BEARING, intermediate main (.010" undersize)
	74375986	8	8	BEARING, intermediate main (.020" undersize)
	74375987	8	8	BEARING, intermediate main (.030" undersize)
	74375988	8	8	BEARING, intermediate main (.040" undersize)
14	74375960	2	2	BEARING , center main (standard size)
	74375980	2	2	BEARING , center main (.010" undersize)
	74375981	2	2	BEARING , center main (.020" undersize)
	74375982	2	2	BEARING , center main (.030" undersize)
	74375983	2	2	BEARING , center main (.040" undersize)
15	74366181	2	2	FLANGE, thrust, center main, upper (standard size)
	74374446	2	2	FLANGE, thrust, center main, upper (.005" oversize)
	74374447	2	2	FLANGE, thrust, center main, upper (.010" oversize)
	74374448	2	2	FLANGE, thrust, center main, upper (.015" oversize)
16	74366182	2	2	FLANGE, thrust, center main, lower (standard size)
	74374450	2	2	FLANGE, thrust, center main, lower (.005" oversize)
	74374451	2	2	FLANGE, thrust, center main, lower (.010" oversize)
	74374452	2	2	FLANGE, thrust, center main, lower (.015" oversize)
17	74250898	4	4	PIN, dowel, thrust flange
18	70079667	1	1	WICK ASSEMBLY, oiling, flywheel bearing (For units without torque converter)



FLYWHEEL AND HOUSING (First type)

USAGE: Engines prior to serial No. 84762 (HD844 series engine)

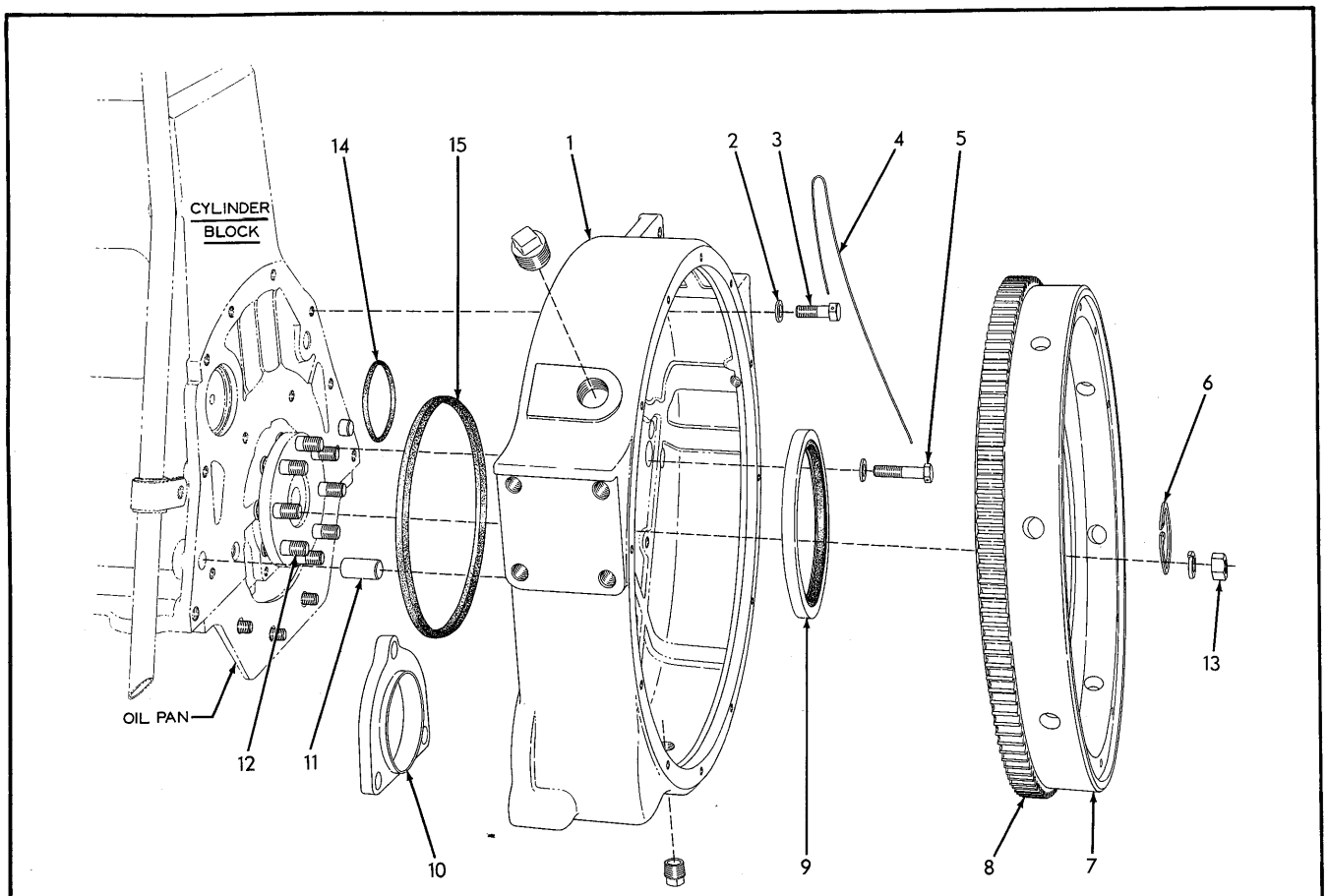
* Tractors without torque converter
** Tractors with torque converter

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	74365611	1	1	HOUSING, flywheel (Used prior to engine #67395; including #67766 thru #68074)
	74372552	1	1	HOUSING, flywheel (Effective with engine #67395; excluding #67766 thru #68074)
	70912768	1	1	PLUG, pipe, 1"NPT
	70901653	1	1	PLUG, pipe, 3/8"NPT (drain)
2	74371107	8	8	WASHER, plain, flywheel housing capscrew
3	74365140	8	8	CAPSCREW, flywheel housing
4	74503600	2	2	WIRE, locking, lower capscrews (10" long)
	74364930	3	3	WIRE, locking, upper capscrews (13" long)
5	74365862	2	2	WASHER, flywheel housing dowel bolt

(Continued)

FLYWHEEL AND HOUSING (First type)(Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
6	74365837	2	2	BOLT, dowel, flywheel housing
7	-------	1	-	FLYWHEEL ASSEMBLY (Order FLYWHEEL ASSEMBLY 74387171 and Snap Ring 74253317)
	74372630	-	1	FLYWHEEL ASSEMBLY (Used prior to engine #67395; including #67766 thru #68074)
	74372800	-	1	FLYWHEEL ASSEMBLY (Effective with engine #67395; excluding #67766 thru #68074)
				NOTE: Each Flywheel Assembly listed above includes item 8
8	74360457	1	1	GEAR, ring
9	------	1	1	ADAPTOR, starter (See STARTING MOTOR)
10	74303737	1	1	COVER, flywheel housing
	70919223	3	3	CAPSCREW, 5/8"NC x 5/8"
	70904209	3	3	LOCKWASHER, 5/8"
11	74390171	1	1	SEAL, oil, rear crankcase
12	74362641	1	1	HOUSING, crankcase rear oil seal
	70903638	4	4	CAPSCREW, 1/2"NC x 1-1/4"
	70916311	4	4	CAPSCREW, 1/2"NC x 1-1/8"
	70904208	8	8	LOCKWASHER, 1/2"
13	74660429	1	1	□GASKET, rear oil seal housing
14	74303038	2	2	DOWEL, rear oil seal housing
15	74389201	8	8	BOLT, flywheel
	70904209	8	8	LOCKWASHER, 5/8"
16	74388204	8	8	NUT, 5/8"NF
17	------	8	8	RING, sealing, flywheel bolt (Discontinued since is not necessary)



FLYWHEEL AND HOUSING (Second type)

USAGE: Effective with engine serial No. 84762 but later discontinued with tractor serial No. 4001 (HD844 series engine)

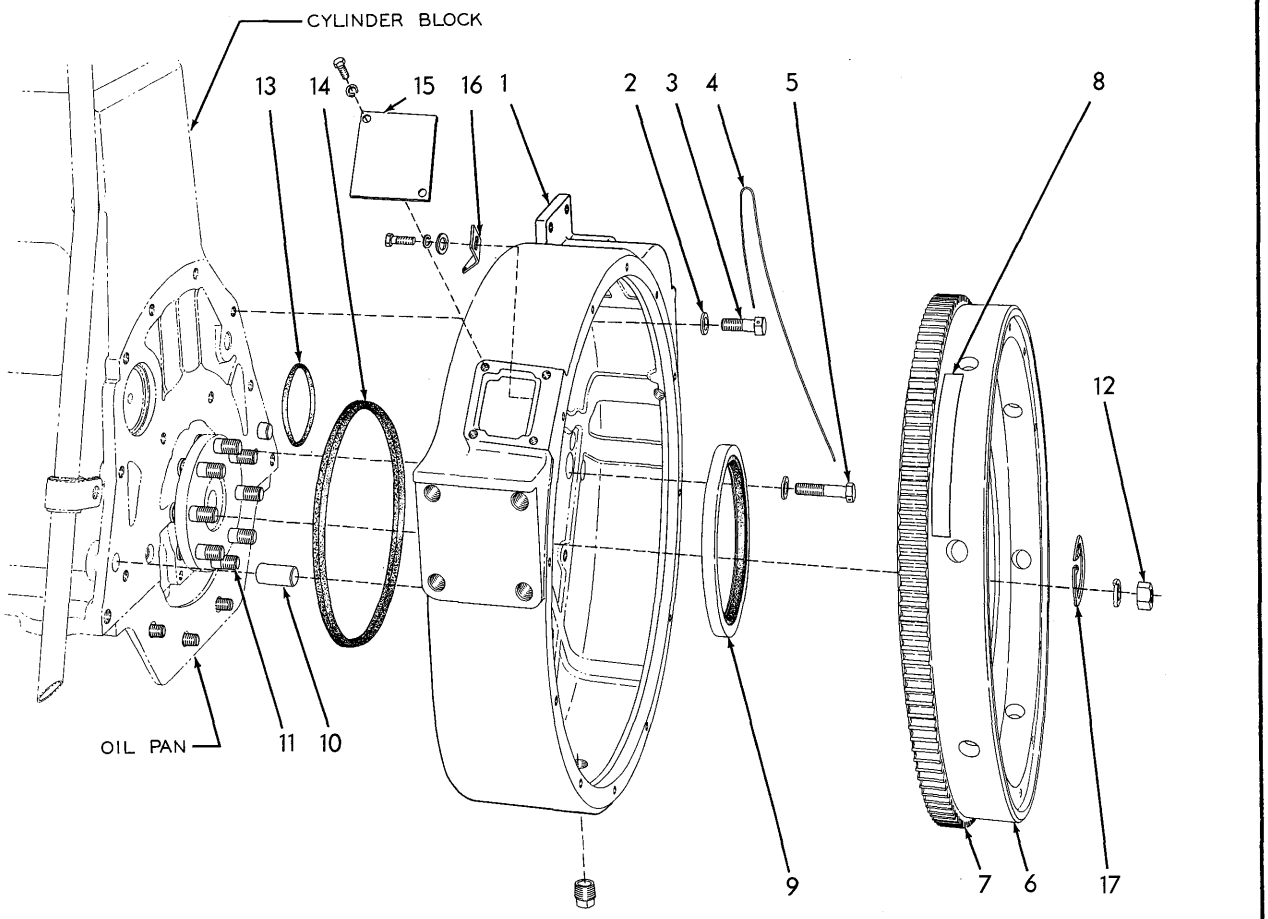
* Tractors without torque converter
** Tractors with torque converter

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	74373714	1	1	HOUSING, flywheel
	70912725	1	1	PLUG, pipe, 1/2"NPT (drain)
	70912768	1	1	PLUG, pipe, 1"NPT
	70916311	4	4	CAPSCREW, 1/2"NC x 1-1/8"
	70904208	4	4	LOCKWASHER, 1/2"
2	74371107	10	10	WASHER, plain, flywheel housing capscrew
3	74365140	8	8	CAPSCREW, flywheel housing
4	74503600	2	2	WIRE, locking, lower capscrews (10" long)
	74364930	3	3	WIRE, locking, upper capscrews (13" long)
5	74375540	2	2	CAPSCREW, flywheel housing (1/2"NC x 2-1/4")
6	74253317	1	-	RING, snap, bearing retaining (Effective with engine #84844)

(Continued)

FLYWHEEL AND HOUSING (Second type)(Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
7	74387171	1	-	FLYWHEEL ASSEMBLY (Includes item 8)(If for engines prior to #84844 also order item 6)
	74372800	-	1	FLYWHEEL ASSEMBLY (Includes item 8)
8	74360457	1	1	GEAR, ring
9	74390171	1	1	SEAL, oil, rear crankcase
10	-------	1	1	ADAPTOR, starter (See STARTING MOTOR)
11	74373716	2	2	DOWEL, flywheel housing
12	74365926	8	8	BOLT, flywheel
	70904209	8	8	LOCKWASHER, 5/8"
13	74374488	8	8	NUT, 5/8"NF
14	74255904	1	1	□RING , flywheel housing to crankcase (small)
15	74336897	1	1	□RING, sealing, flywheel housing to crankcase (large)



FLYWHEEL AND HOUSING (Third type)

USAGE: Tractors serial No. 4001 and up (16000 series engine)

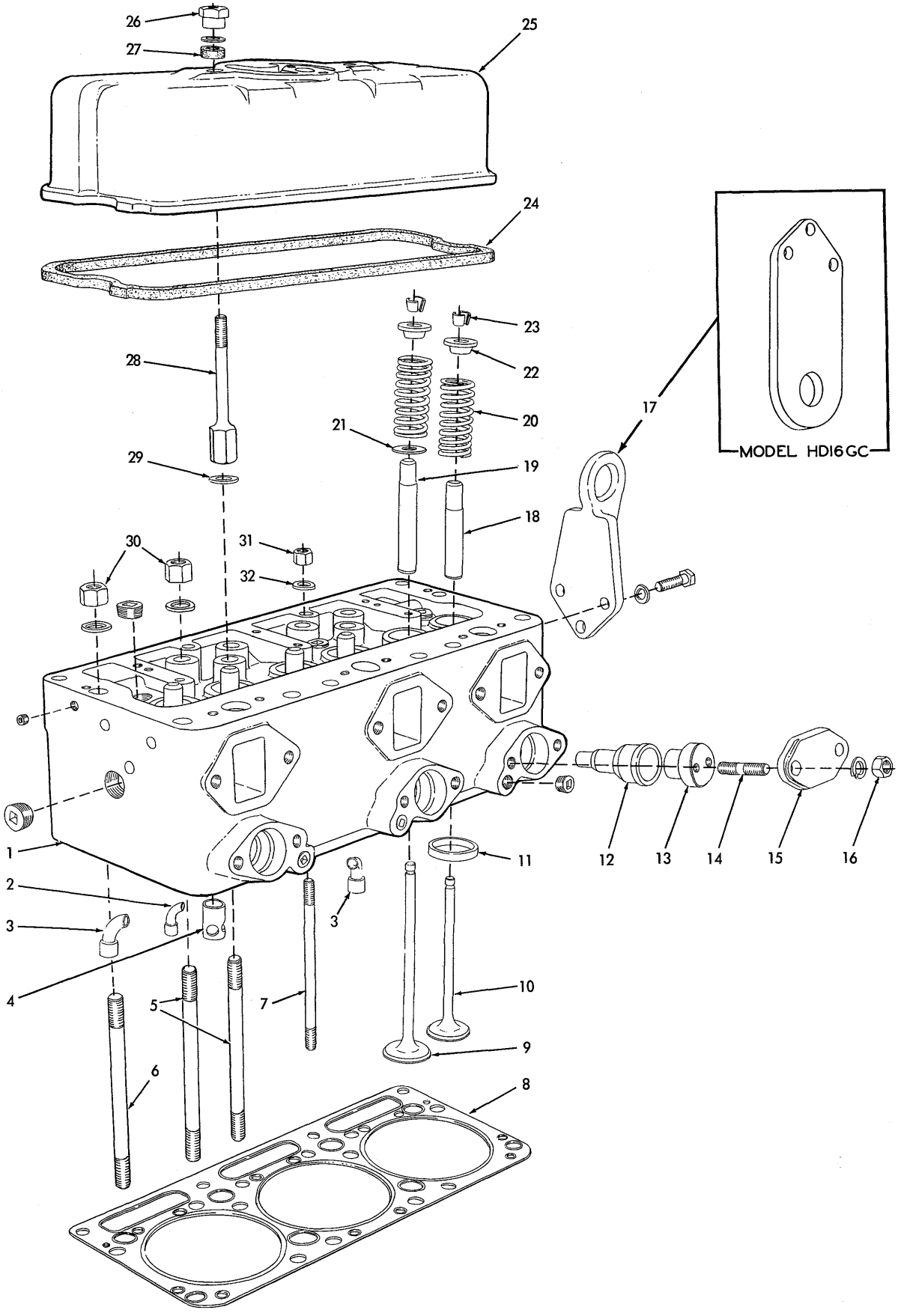
* Tractors without torque converter
** Tractors with torque converter

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	------	1	1	HOUSING, flywheel (Used prior to engine #16-3866) (Order HOUSING 74378981 and items 15 and 16)
	70912768	1	1	PLUG, pipe, 1"NPT (timing hole)
	74378981	1	1	HOUSING, flywheel (Effective with engine #16-3866)
	70916311	4	4	CAPSCREW, 1/2"NC x 1-1/8"
	70904208	4	4	LOCKWASHER, 1/2"
	70912725	1	1	PLUG, pipe, 1/2"NPT (drain)
2	74371107	10	10	WASHER, plain, flywheel housing capscrew
3	74365140	8	8	CAPSCREW, flywheel housing
4	74503600	2	2	WIRE, locking, lower capscrews (#18 x 10")
	74364930	3	3	WIRE, locking, upper capscrews (#18 x 13")
5	74375540	2	2	CAPSCREW, flywheel housing (1/2"NC x 2-1/4")

(Continued)

FLYWHEEL AND HOUSING (Third type) (Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
6	74387171	1	-	FLYWHEEL ASSEMBLY (Includes item 7)
	74387172	-	1	FLYWHEEL ASSEMBLY (Includes items 7 and 8)
7	74360457	1	1	GEAR, ring
8	74378408	1	1	STRIP, timing marking (applied to flywheel rim) (Used prior to engine #16-4926)
9	74390171	1	1	SEAL, oil, rear crankcase
10	74373716	2	2	DOWEL, flywheel housing
11	74389201	8	8	BOLT, flywheel
	70904209	8	8	LOCKWASHER, 5/8"
12	74374488	8	8	NUT, 5/8"NF
13	74255904	1	1 □	RING, flywheel housing to crankcase (small)
14	74336897	1	1 □	RING, sealing, flywheel housing to crankcase (large)
15	74378409	1	1	COVER, timing hole (Effective with engine #16-3866)
	70905660	2	2	CAPSCREW, 5/16"NC x 1/2"
	70904205	2	2	LOCKWASHER, 5/16"
16	74387733	1	1	POINTER, timing (Effective with engine #16-3866)
	70903626	1	1	CAPSCREW, 5/16"NC x 3/4"
	70904205	1	1	LOCKWASHER, 5/16"
	70910335	1	1	WASHER, plain, SAE std., 5/16"
17	74253317	1	-	RING, snap, pilot bearing retaining



CYLINDER HEAD (First type)

CYLINDER HEAD

USAGE: Tractors prior to serial No. 4001 (HD844 series engine)

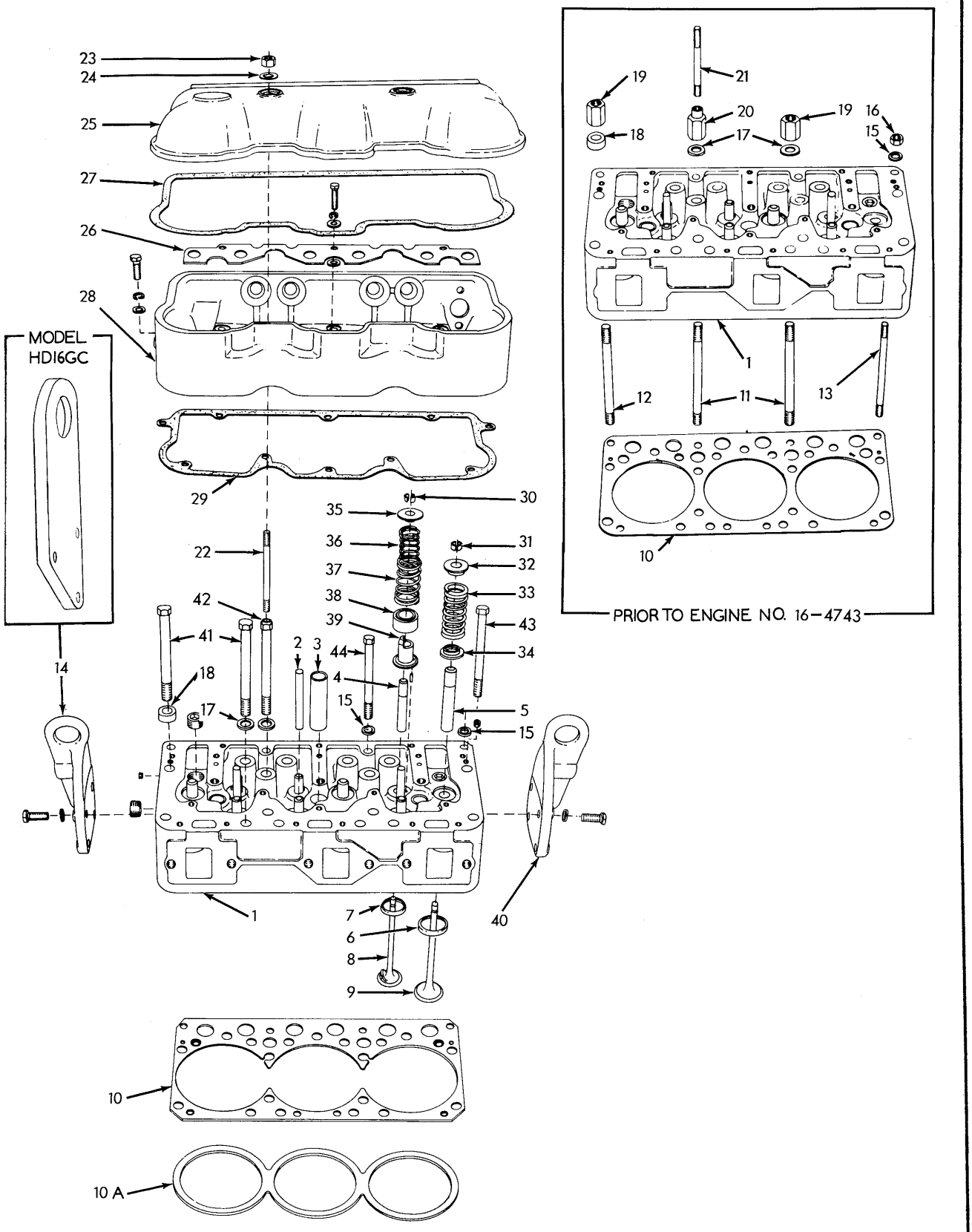
ITEM	PART NO.	QTY.	DESCRIPTION
1	74385752	2	HEAD ASSEMBLY, cylinder (Includes items 2, 3, 4, 11, 18, 19 and PLUGS indented below)
	70917673	8	PLUG, pipe, hex-socket, 1/8"NPT
	70918887	6	PLUG, pipe, ctsk-hd., 3/8"NPT
	70904224	10	PLUG, pipe, ctsk-hd., 3/4"NPT
2	74364421	6	TUBE, water (small)
3	74366814	2	TUBE, water, center position (large)
	74377078	4	TUBE, water, end position (large)
4	74365851	2	DISTRIBUTOR, water
5	74372262	24	STUD, cylinder head (5/8" diam.)
6	74373491	4	STUD, pilot, cylinder head (5/8" diam. Has "S" marking on end)
7	74372725	8	STUD, cylinder head (1/2" diam.)
8	74371054	2	□ GASKET, cylinder head
9	74364386	6	VALVE, intake
10	74364387	6	VALVE, exhaust
11	74364385	6	INSERT, exhaust valve seat (standard size)
	74385360	6	INSERT, exhaust valve seat (.005" oversize)
12	74375931	6	CELL ASSEMBLY, energy (Includes orifice and pin. Serviced only as a unit)
13	74364390	6	PLUG, energy cell (Used prior to engine #16-2651)
	74374959	6	PLUG, energy cell (Effective with engine #16-2651)
14	74371114	12	STUD, energy cell clamp
15	74365787	6	CLAMP, energy cell
16	74253348	12	NUT, energy cell stud (1/2"NF)
	70904208	12	LOCKWASHER, 1/2"
17	74371390	2	EYE, engine lifting (1 less used on Model HD16GC)
	70087686	1	PLATE, engine lifting, rear (For Model HD16GC only)
	70903639	6	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	6	LOCKWASHER, 1/2"
18	74364378	6	GUIDE, exhaust valve
19	74364379	6	GUIDE, intake valve
20	74366551	12	SPRING, valve

(Continued)

CYLINDER HEAD (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
21	74375790	6	SPACER, intake valve spring (Effective with engine #16-2748)
22	74366758	12	RETAINER, valve spring
23	74376508	24	LOCK, valve spring retainer
24	74375720	2	□ GASKET, rocker cover
25	74371441	2	COVER, rocker (Used prior to engine #16-2914, excluding #16-2792 thru #16-2811)
	74376405	2	COVER, rocker (Effective with engine #16-2914, including #16-2792 thru #16-2811)
26	74364130	4	NUT, rocker cover (Used prior to engine #16-3119)
	74375937	4	NUT, rocker cover (Nylok) (Effective with engine #16-3119)
	70906985	4	WASHER, plain, U.S. std., 7/16"
27	74364131	4	□ WASHER, sealing, rocker cover nut (Used prior to engine #16-3119)
	74375938	4	WASHER, rocker cover nut (Dynaseal) (Effective with engine #16-3119)
28	74364465	4	EXTENSION, cylinder head stud
29	74389910	28	WASHER, cylinder head nut (For 5/8" stud)
30	74388202	24	NUT, cylinder head stud (5/8"NF)
31	74388205	8	NUT, cylinder head stud (1/2"NF)
32	74372864	8	WASHER, cylinder head nut (For 1/2" stud)

MEMO



CYLINDER HEAD (Second type)

T-36233

CYLINDER HEAD

USAGE: Tractors serial No. 4001 and up (16000 series engine)

* Engines prior to serial No. 16-4743
** Engines serial No. 16-4743 and up

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	74387503	2	2	HEAD ASSEMBLY, cylinder (Includes items 2 thru 7 and PLUGS indented below)
	70917673	8	8	PLUG, pipe, hex-socket, 1/8"NPT
	70904224	10	10	PLUG, pipe, ctsk-hd., 3/4"NPT
2	74377005	6	6	PIN, guide, intake valve bridge
3	74376484	6	6	SLEEVE, injection nozzle
4	74385301	12	12	GUIDE, intake valve
5	74385355	6	6	GUIDE, exhaust valve
6	74387414	6	6	INSERT, exhaust valve seat (standard)(Original equipment)
	74387584	6	6	INSERT, exhaust valve seat (standard)(For service replacement heads only)
	74387415	6	6	INSERT, exhaust valve seat (.005" oversize)(Original equipment)
	74387585	6	6	INSERT, exhaust valve seat (.005" oversize)(For service replacement heads only)
7	74387586	12	12	INSERT, intake valve seat (standard)
	4385667	12	12	INSERT, intake valve seat (.005" oversize)(Original equipment)
	74387587	12	12	INSERT, intake valve seat (.005" oversize)(For service replacement heads only)
8	74378897	12	12	VALVE, intake
9	74376486	6	6	VALVE, exhaust
10	-------	2	-	GASKET, cylinder head (Used prior to engine #16-4111. Order GASKET KIT 74386740)
	-------	2	-	GASKET, cylinder head (Engines #16-4111 thru #16-4723. See page 46 for details. Order GASKET KIT 74386740)
	74386370	2	2	□ GASKET, cylinder head (oil and water)(Effective with engine #16-4724)
10A	74390043	2	2	□ GASKET, cylinder head (compression)
11	74376642	28	-	STUD, cylinder head (5/8" diam.)
12	74376643	4	-	STUD, pilot, cylinder head (.625 diam. Has "S" marking on end)
13	74376480	8	-	STUD, cylinder head (1/2" diam.)
14	74376893	1	1	EYE, engine lifting, rear (Models HD16A, AC, D, DC, FC)
	70097686	1	1	PLATE, engine lifting (Model HD16GC only)
	70915987	3	3	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	3	3	LOCKWASHER, 1/2"
15	74372864	8	8	WASHER, cylinder head nut (1/2" hole)

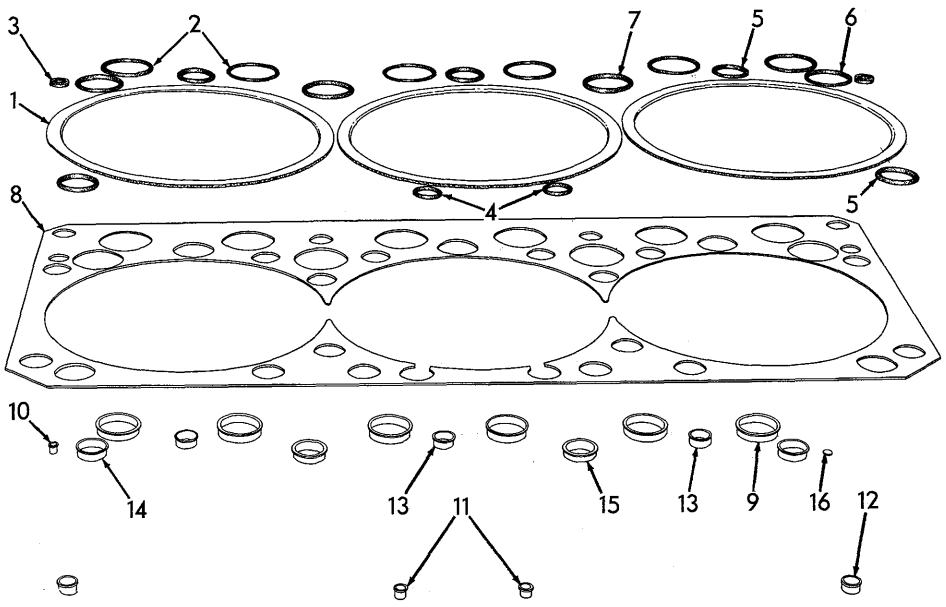
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ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
16	74388205	8	-	NUT, cylinder head stud (1/2"NF) (Used prior to engine #16-4111)
	74379740	8	-	NUT, cylinder head stud (1/2"NF, Nylok) (Effective with engine #16-4111)
17	74389910	28	28	WASHER, plain (1/8" thick, 5/8" hole)
18	74376526	4	4	WASHER, plain (9/16" thick, 5/8" hole)
19	74373042	28	-	NUT, cylinder head stud (5/8"NF) (Used prior to engine #16-4111)
	74379744	28	-	NUT, cylinder head stud (5/8"NF, Nylok) (Effective with engine #16-4111)
20	74377540	4	-	NUT, cylinder head stud (5/8"NF and 7/16"NF) (Used prior to engine #16-4111)
	74379741	4	-	NUT, cylinder head stud (5/8"NF and 7/16"NF, Nylok) (Effective with engine #16-4111)
21	74377542	4	-	STUD, rocker cover (7/16"NF x 4-1/2")
22	74385674	-	4	STUD, rocker cover (7/16"NF x 5-7/8")
23	74375937	4	4	NUT, rocker cover
24	74376749	4	4	□WASHER, sealing, rocker cover nut
25	74376619	2	2	COVER, rocker, upper section
26	74379074	2	2	PLATE, guide, push rod (Effective with engine #16-3647)
27	74379026	2	2	□GASKET, rocker cover
28	74378265	1	1	COVER, lower section, front
	74378266	1	1	COVER, lower section, rear
	70910245	6	6	CAPSCREW, 3/8"NC x 1-3/8" (Used with item 26 only)
	70919224	20	20	CAPSCREW, 3/8"NC x 1-1/8"
	70904206	20	20	LOCKWASHER, 3/8"
	70913544	20	20	WASHER, plain
29	74376578	2	2	□GASKET, cylinder head lower cover
30	74376497	24	24	LOCK, intake valve spring retainer
31	74376508	12	12	LOCK, exhaust valve spring retainer
32	74366758	6	6	RETAINER, exhaust valve spring
33	74366551	6	6	SPRING, exhaust valve
34	74385299	6	6	SPACER, exhaust valve spring (Effective with engine #16-4182)

(Continued)

CYLINDER HEAD (Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
35	74386497	12	12	RETAINER, intake valve spring
36	74376545	12	12	SPRING, inner, intake valve
37	74376546	12	12	SPRING, outer, intake valve
38	74377909	12	12	SPACER, indexing guide
39	74379320	12	12	GUIDE, indexing, intake valve
	70917560	12	12	PIN, dowel, 3/16" x 3/8"
40	74376893	1	1	EYE, engine lifting, front
	70915987	3	3	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	3	3	LOCKWASHER, 1/2"
41	74388520	-	28	CAPSCREW, cylinder head (5/8"NC x 6-15/16" long)
42	74388525	-	4	CAPSCREW, cylinder head (5/8"NC x 6-15/16", special head)
43	74385496	-	6	CAPSCREW, cylinder head (1/2"NC x 6-5/8")
44	74385497	-	2	CAPSCREW, cylinder head (1/2"NC x 6")

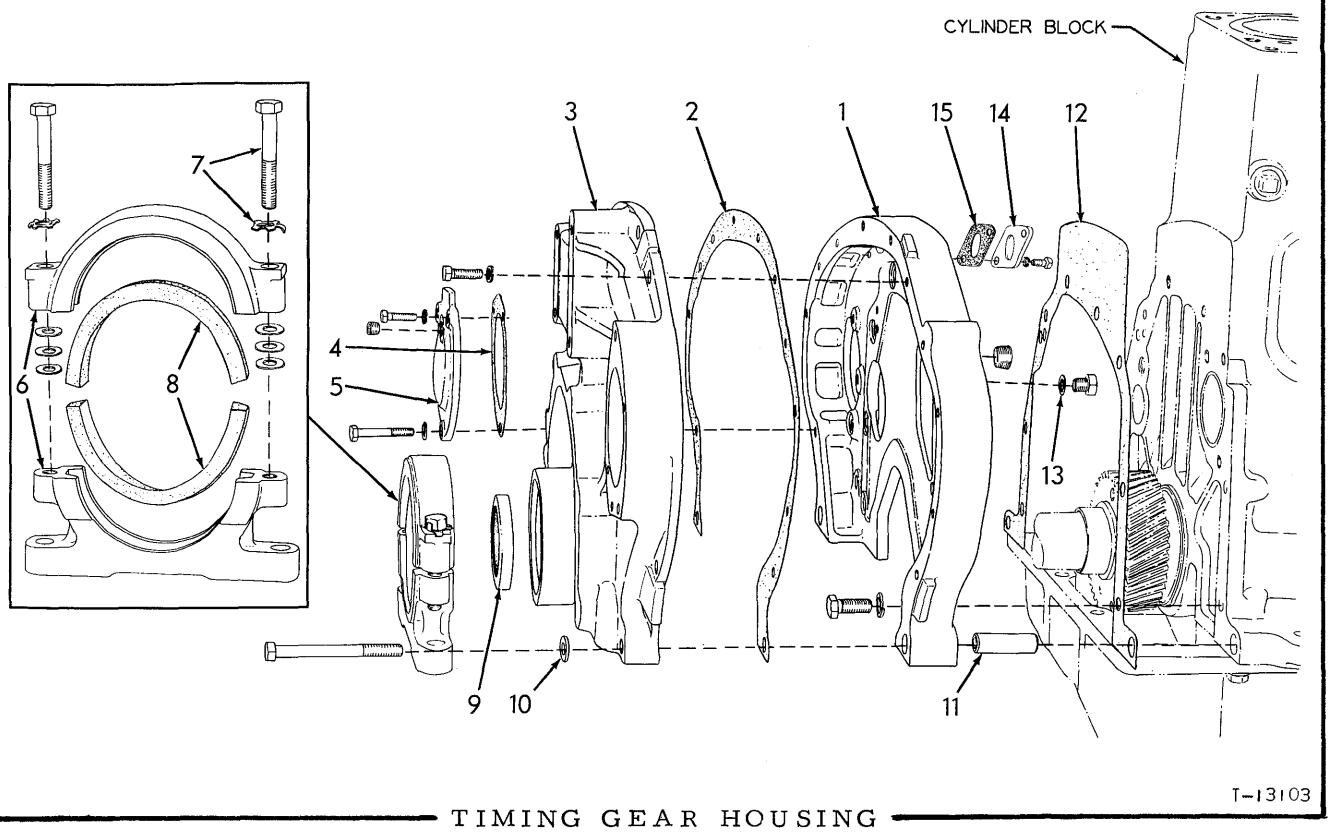


CYLINDER HEAD GASKET

USAGE: Engines serial No. 16-4111 thru 16-4723. Not serviced. Order GASKET KIT 74386740

ITEM	PART NO.	QTY.	DESCRIPTION
1	------	6	GASKET, cylinder sleeve
2	------	12	O-RING, push rod holes (1-1/8"I. D., yellow dot)
3	------	4	RING, oil holes (3/8"I. D.)
4	------	4	O-RING, water holes (7/16"I. D., red dot)
5	------	10	O-RING, water holes (11/16"I. D., black dot)
6	------	4	O-RING, water holes (15/16"I. D., white dot)
7	------	4	O-RING, water holes (1"I. D., green dot)
8	------	2	PLATE, gasket locating
9	------	12	FERRULE, push rod holes (1-1/8"O. D., yellow dot)
10	------	2	FERRULE, oil holes (1/4"O. D.)
11	------	4	FERRULE, water holes (5/16"O. D., red dot)
12	------	4	FERRULE, water holes (15/32"O. D., blue dot)
13	------	6	FERRULE, water holes (19/32"O. D., black dot)
14	------	4	FERRULE, water holes (13/16"O. D., white dot)
15	------	4	FERRULE, water holes (29/32"O. D., green dot)
16	------	2	FERRULE, gasket locating (disc type, 1/4" diam.)(For blind oil hole)

MEMO



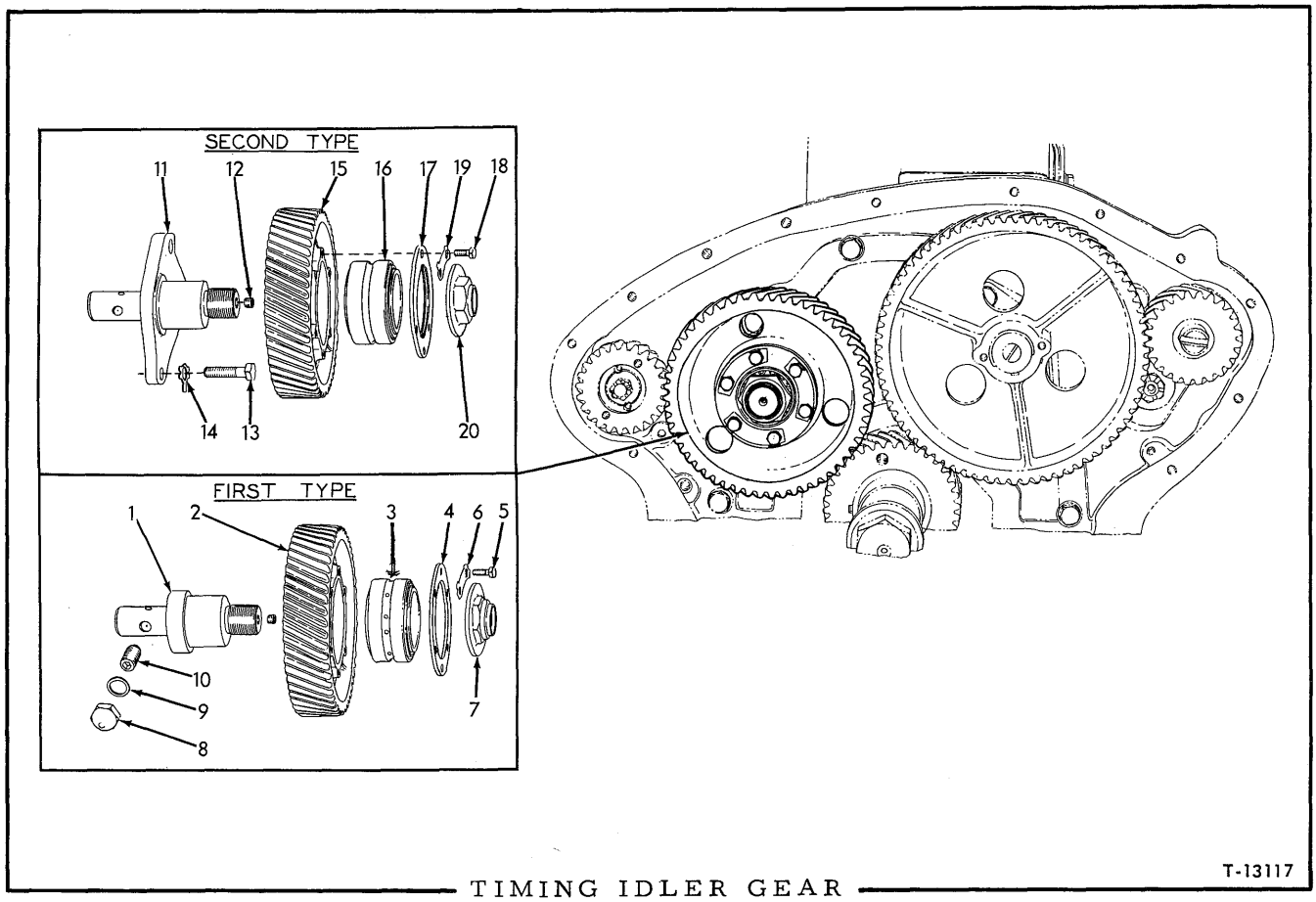
TIMING GEAR HOUSING

ITEM	PART NO.	QTY.	DESCRIPTION
1	74376608	1	HOUSING (If for engines prior to #16-2651 also order items 14 and 15)
	70908944	1	PLUG, pipe, hex-socket, 1/2"NPT
	70907856	1	PLUG, pipe, hex-socket, 3/8"NPT (Used prior to engine #16-2651)
	70916311	8	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	8	LOCKWASHER, 1/2"
2	74376609	1	□GASKET, gear housing cover
3	74387723	1	COVER, timing gear housing
	70916321	2	CAPSCREW, 1/2"NC x 4-1/2"
	70919224	7	CAPSCREW, 3/8"NC x 1-1/8"
	70916274	2	CAPSCREW, 3/8"NC x 2-1/4"(Used prior to engine #16-05389)
	70904206	9	LOCKWASHER, 3/8"
4	74361740	1	□GASKET, water pump gear cover (Used prior to engine #16-05389)
5	74374588	1	COVER, water pump gear (Used prior to engine #16-05389)
	70907070	1	PLUG, pipe, ctsk-hd., 1/4"NPT
	70916271	1	CAPSCREW, 3/8"NC x 1"
	70904206	1	LOCKWASHER, 3/8"
6	74393564	1	BRACKET, engine mounting (Includes cap)(When making first replacement also order two each CAPSCREWS 70922510, CAPSCREWS 70070935 and LOCK 70070836)
7	74254891	2	CAPSCREW, 1/2"NC x 2-1/2"
	74252682	2	LOCKWASHER
	70916009	10	WASHER, plain (1/32" thick. Use as required)

(Continued)

TIMING GEAR HOUSING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
8	74364864	2	LINER, engine mounting bracket (rubber) (Used prior to engine #16-3818)
	74336491	2	LINER, engine mounting bracket (nylon) (Effective with engine #16-3818)
9	74253838	1	SEAL, oil, crankshaft (Used prior to engine #16-4704)
	74027416	1	SEAL, oil, crankshaft (Effective with engine #16-4704)
10	74371445	2	WASHER, plain, housing cover capscrew (1/2" hole)
11	74371444	2	DOWEL, hollow, gear housing
12	74660492	1	□ GASKET, gear housing
13	74119937	1	GASKET, plugging capscrew
	70919229	1	CAPSCREW, 1/2"NC x 1/2"
14	74375501	1	COVER, closure, gear housing (Effective with engine #16-2651)
	70915408	2	CAPSCREW, 3/8"NC x 3/4"
	70904206	2	LOCKWASHER, 3/8"
15	74371027	1	□ GASKET, closure cover (Effective with engine #16-2651)



TIMING IDLER GEAR

USAGE: Engines prior to serial No. 16-05389

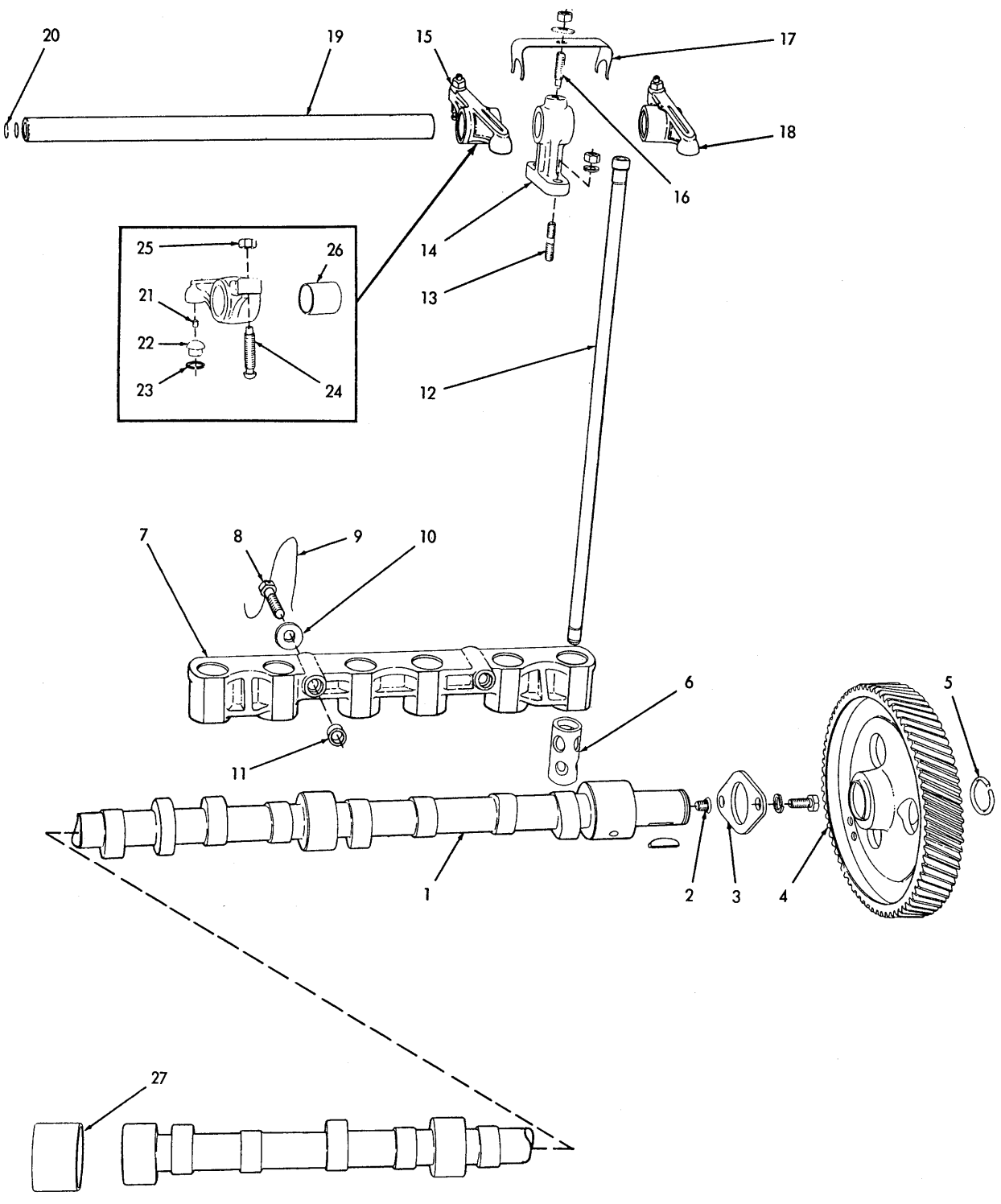
* HD844 series engines prior to serial No. 81868
** 16000 series engines; also HD844 series engines serial No. 81868 and up

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
	------	1	-	SHAFT, idler gear (No oil passage)(Used prior to engine #80912. Replace with SHAFT ASSEMBLY 74373326, GEAR ASSY. 74375919 and NUT 74373330)
1	74373326	1	-	SHAFT ASSEMBLY, idler gear (Standard size. Includes PLUG 70910231)(Effective with engine #80912)
	70910231	1	-	PLUG, pipe, hex-socket, 1/8"NPT
	74375368	1	-	SHAFT ASSEMBLY, idler gear (1/8" oversize. Hole in Cylinder Block must be rebored to permit installing)
	-------	1	-	GEAR ASSEMBLY, idler (Includes items 3 thru 6)(Used prior to engine #80912. Replace with GEAR ASSEMBLY 74375919, SHAFT ASSY. 74373326 and NUT 74373330)
2	74375919	1	-	GEAR ASSEMBLY, idler (Includes items 3 thru 6)(Effective with engine #80912)
	-------	1	-	BEARING, roller, idler gear (2-1/2"O.D.)(Used prior to engine #80912. Not serviced separately)
3	-------	1	-	BEARING, roller, idler gear (3-5/8"O.D.)(Effective with engine #80912. Not serviced separately)

(Continued)

TIMING IDLER GEAR (Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
4	74373624	1	-	RETAINER, idler gear bearing
5	70916277	6	-	CAPSCREW, 5/16"NC x 5/8"
6	74373332	3	-	PLATE, capscrew locking
7	74371408	1	-	NUT, idler gear shaft (hex-type)(Used prior to engine #80912)
	74373330	1	-	NUT, idler gear shaft (round-type)(Effective with engine #80912)
8	74002453	1	-	NUT, idler gear shaft retaining screw
9	74105453	1	-	GASKET, retaining screw nut
10	74367162	1	-	SCREW, retaining, idler gear shaft
11	74373515	-	1	SHAFT ASSEMBLY, idler gear (Includes item 12)
12	70910231	-	1	PLUG, pipe, hex-socket, 1/8"NPT
13	74373616	-	3	CAPSCREW, 5/8"NC x 1-3/4"
14	74373619	-	3	LOCKWASHER
15	74375574	-	1	GEAR ASSEMBLY, idler (Includes items 16 thru 19)
16	-------	-	1	BEARING, roller, idler gear (Not serviced separately)
17	74373510	-	1	RETAINER, idler gear bearing
18	70916277	-	6	CAPSCREW, 5/16"NC x 5/8"
19	74373332	-	3	PLATE, capscrew locking
20	74373511	-	1	NUT, idler gear shaft



VALVE OPERATING MECHANISM (First type)

T-13085

VALVE OPERATING MECHANISM

USAGE: Tractors prior to serial No. 4001

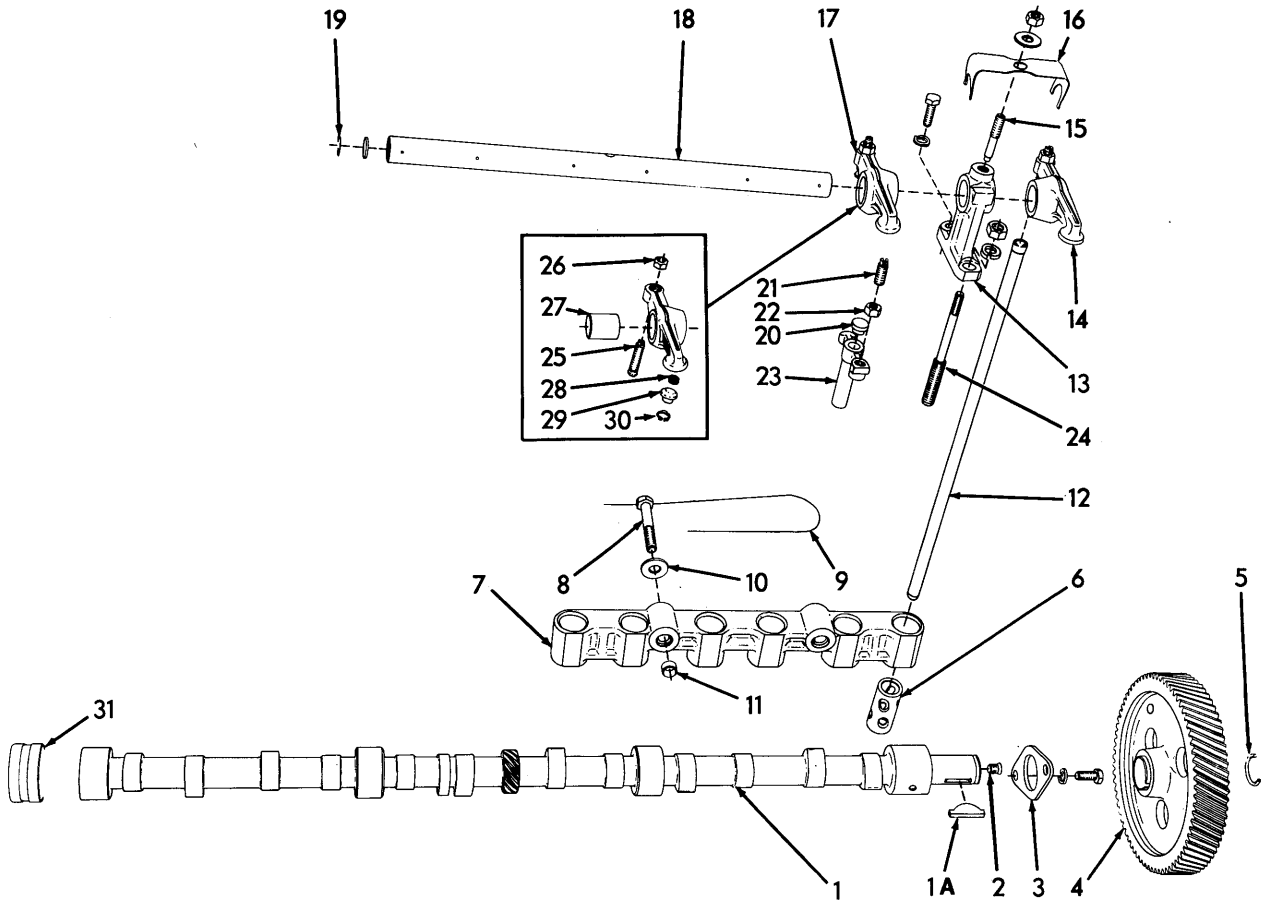
ITEM	PART NO.	QTY.	DESCRIPTION
1	74389931	1	CAMSHAFT
	70917031	1	KEY, #128 woodruff, 5/16" x 2-1/8"
2	74001318	1	PLUG, camshaft oil hole
3	74660390	1	PLATE, thrust (13/64" thick) (Original equipment)
	70903637	2	CAPSCREW, 1/2"NC x 1"
	70904208	2	LOCKWASHER, 1/2"
	74386776	1	PLATE, thrust (21/64" thick) (Service replacement only. See item 4)
	70903638	2	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	2	LOCKWASHER, 1/2"
4	------	1	GEAR, camshaft (Original equipment. Order GEAR 74389053 PLATE 74386776, SPACER 74387469 and 2 CAPSCREWS 70903638)
	74389053	1	GEAR, camshaft (Service replacement only)
	74387469	1	SPACER, camshaft gear (11/32" thick) (Used with GEAR 74389053 only)
5	74254295	1	RING, snap, gear retaining
6	74360955	12	LIFTER, valve
7	74376276	2	BRACKET, valve lifter
8	70916317	4	CAPSCREW, 1/2"NC x 2-3/4" — Used prior to engine #16-2754
	70904208	4	LOCKWASHER, 1/2" — Used prior to engine #16-2754
	74376278	4	CAPSCREW, 1/2"NC x 3" — Effective with engine #16-2754
9	74374018	2	WIRE, locking (20" long) — Effective with engine #16-2754
10	74376277	4	WASHER, plain — Effective with engine #16-2754
11	74303038	4	DOWEL, hollow, valve lifter bracket
12	74365565	12	ROD, push
13	74365957	12	STUD, rocker shaft bracket
	70904206	12	LOCKWASHER, 3/8"
	70910123	12	NUT, 3/8"NF
14	74365852	6	BRACKET, rocker shaft
15	74364460	4	ARM ASSEMBLY, rocker, left hand (Grooved. For exhaust valve only) (Includes items 21 thru 26)
	74366076	2	ARM ASSEMBLY, rocker, left hand (Not grooved. For intake valve only) (Includes items 21 thru 26)
16	74364132	2	SCREW, rocker shaft retaining
	70910123	2	NUT, 3/8"NF
	70900817	2	WASHER, plain, U.S. std., 3/8"
17	74338143	6	CLIP, spring, rocker arm retaining
	70912592	4	CAPSCREW, 3/8"NF x 5/8"
	70900817	4	WASHER, plain, U.S. std., 3/8"
18	74364459	2	ARM ASSEMBLY, rocker, right hand (Grooved. For exhaust valve only) (Includes items 21 thru 26)
	74366074	4	ARM ASSEMBLY, rocker, right hand (Not grooved. For intake valve only) (Includes items 21 thru 26)

(Continued)

VALVE OPERATING MECHANISM (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
19	74374933	2	SHAFT ASSEMBLY, rocker arm (Includes 70910002 PLUGS and item 20)
	70910002	4	PLUG, expansion, 3/4" diam.
20	74254363	4	RING, snap, rocker shaft (Effective with engine #16-2601)
21	74364422	12	WICK, oiling, rocker ball
22	74661329	12	BALL, rocker arm
23	74661328	12	RETAINER, rocker arm ball
24	74005425	12	SCREW, valve lash adjustment
25	74348440	12	NUT, valve lash adjustment screw
26	74660369	12	BUSHING, rocker arm
27	-------	--	BEARING, camshaft (See CYLINDER BLOCK)

MEMO



VALVE OPERATING MECHANISM

USAGE: Tractors serial No. 4001 and up

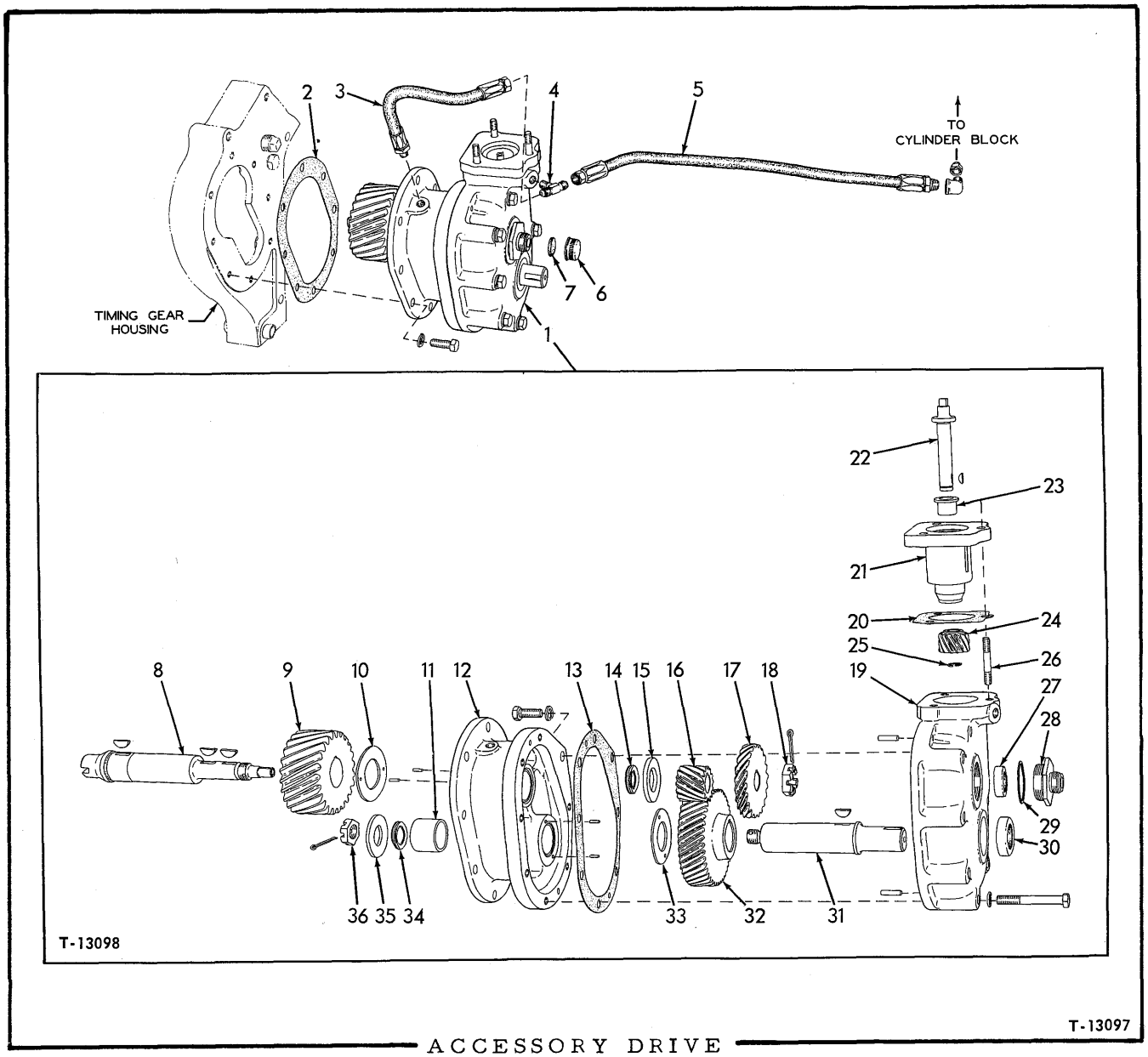
ITEM	PART NO.	QTY.	DESCRIPTION
1	74389931	1	CAMSHAFT
	70917031	1	KEY, #128 woodruff, 5/16" x 2-1/8"
1A	70923738	1	KEY, camshaft gear
2	74001318	1	PLUG, camshaft oil hole
3	74660390	1	PLATE, thrust (13/64" thick)(Original equipment)
	70903637	2	CAPSCREW, 1/2"NC x 1"
	70904208	2	LOCKWASHER, 1/2"
	74386776	1	PLATE, thrust (21/64" thick)(Service replacement only. See item 4)
	70903638	2	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	2	LOCKWASHER, 1/2"
4	--------	1	GEAR, camshaft (Original equipment. Order GEAR 74389954, PLATE 74386776, SPACER 74387469 and 2 CAPSCREWS 70903638)
	74389954	1	GEAR, camshaft (Service replacement only)
	74387469	1	SPACER, camshaft gear (11/32" thick)(Used with GEAR 74389954 only)

(Continued)

VALVE OPERATING MECHANISM (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
5	74254295	1	RING, snap, gear retaining
6	74360955	12	LIFTER, valve
7	74376276	2	BRACKET, valve lifter
8	74376278	4	CAPSCREW, drilled-hd., 1/2"NC x 3"
9	74374018	2	WIRE, locking, 1/16" x 20"
10	74376277	4	WASHER, valve lifter bracket capscrew
11	74303038	4	DOWEL, hollow, valve lifter bracket
12	74376584	12	ROD, push
13	74376540	6	BRACKET, rocker shaft
	70919224	6	CAPSCREW, 3/8"NC x 1-1/8"
	70904206	6	LOCKWASHER, 3/8"
14	74385481	6	ARM ASSEMBLY, rocker, left hand (Includes items 25 thru 30)
15	74376498	2	STUD, rocker shaft retaining and oil restricting (drilled oil passage) (Used prior to engine #16-4425)
	74385716	2	STUD, rocker shaft retaining and oil restricting (Effective with engine #16-4425)
	70900817	2	WASHER, plain, U.S. std., 3/8"
	70910123	2	NUT, 3/8"NF
16	74378280	6	CLIP, spring, rocker arm retaining
	70912592	4	CAPSCREW, 3/8"NF x 5/8"
	70904206	4	LOCKWASHER, 3/8"
17	74385482	6	ARM ASSEMBLY, rocker, right hand (Includes items 25 thru 30)
18	74385300	2	SHAFT ASSEMBLY, rocker arm (Includes 70910002 PLUGS and item 19) (If for engines prior to #16-4425 also order 1 CAPSCREW 70912592)
	70910002	4	PLUG, expansion, 3/4" diam.
19	74254363	4	RING, snap, rocker shaft
20	74376538	6	INSERT, intake valve bridge
21	74366314	6	SCREW, intake valve bridge adjustment
22	74348440	6	NUT, intake valve bridge adjustment screw
23	74390270	6	BRIDGE ASSEMBLY, intake valve (Includes items 20 thru 22)
24	74377541	6	STUD, rocker shaft bracket (Also retains injection nozzle holder)
	70904208	6	LOCKWASHER, 1/2"
	70910325	6	NUT, 1/2"NC
25	74005425	12	SCREW, valve lash adjustment
26	74348440	12	NUT, valve lash adjustment screw
27	74660369	12	BUSHING, rocker arm
28	74364422	12	WICK, rocker arm
29	74379305	12	BALL, rocker arm
30	74385480	12	RING, snap, rocker arm ball retaining
31	-------	--	BEARING, camshaft (See CYLINDER BLOCK)

Items 28, 29, 30: Effective with engine #16-3987



ACCESSORY DRIVE

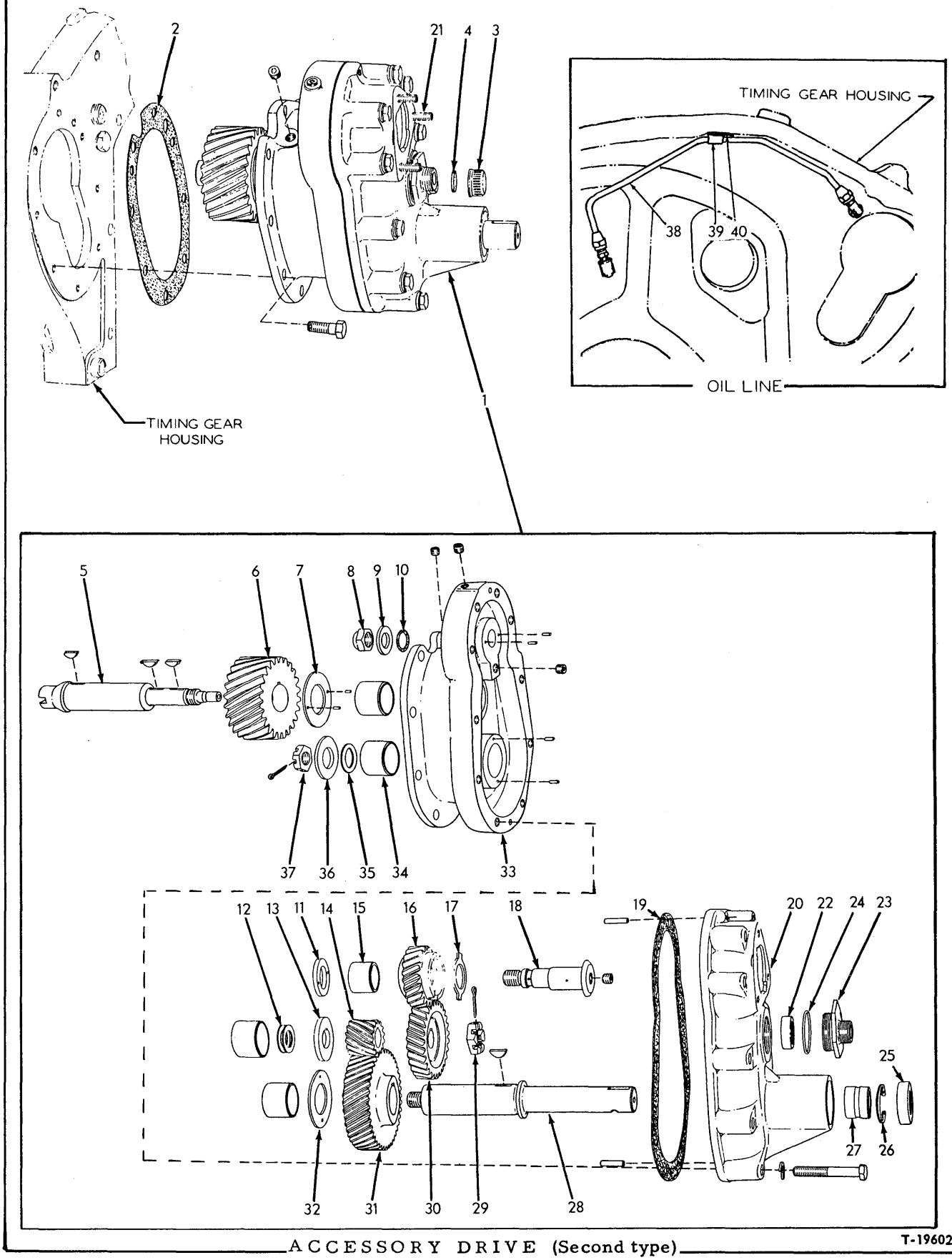
USAGE: Tractors prior to serial No. 4001

ITEM	PART NO.	QTY.	DESCRIPTION
1	74375576	1	DRIVE ASSEMBLY, accessory (Consists of items 8 thru 36)
	70903630	8	CAPSCREW, 3/8"NC x 1"
	70904206	8	LOCKWASHER, 3/8"
2	74660457	1	□GASKET, accessory drive to gear housing
3	74365676	1	HOSE ASSEMBLY, oil (See HOSE PARTS)
4	74374529	1	TEE (flare type, restricted, 1/4" tube, 1/8"NPT male)
5	74365678	1	HOSE ASSEMBLY, oil (See HOSE PARTS)
	70917032	1	ADAPTER, extension, 1/8"NPT male and female
	70917013	1	ELBOW, street, 90°, brass, 1/8"NPT

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
6	74371118	1	NUT, cover, tachometer hole
7	74367090	1	□GASKET, tachometer hole nut
8	74371740	1	SHAFT, upper
	70905123	3	KEY, #9 woodruff, 3/16" x 3/4"
9	74389055	1	GEAR, accessory drive
10	74368154	1	WASHER, thrust, upper shaft, front
	70917014	2	PIN, dowel, 1/8" x 3/8"
11	74369746	4	BUSHING, accessory drive housing
12	74369702	1	HOUSING ASSEMBLY (Includes item 11)
13	74369705	1	GASKET, cover
14	74362726	2	SHIM, upper shaft end-play adjustment (laminated)
15	74388154	1	WASHER, thrust, rear
16	74364404	1	GEAR, upper shaft (14 teeth)
17	74385227	1	GEAR, driving, fuel transfer pump (21 teeth)
18	74369751	1	NUT, upper shaft
	70900808	1	PIN, cotter, 1/8" x 1-1/2"
19	74369739	1	COVER, accessory drive housing
	70903636	7	CAPSCREW, 3/8"NC x 2-3/4"
	70910211	1	CAPSCREW, 3/8"NC x 1-1/8"
	70904206	8	LOCKWASHER, 3/8"
	70917023	2	PIN, dowel, 1/4" x 1"
20	74369764	1	GASKET, drive shaft retainer
21	74369762	1	RETAINER ASSEMBLY, transfer pump drive shaft (Includes item 23)
22	74369761	1	SHAFT, driving, fuel transfer pump
	70910173	1	KEY, #2 woodruff, 3/32" x 1/2"
23	74369886	2	BUSHING, transfer pump drive shaft
24	74375052	1	GEAR, transfer pump drive shaft (14 teeth)
25	74253721	1	RING, snap, transfer pump driven gear
26	74301519	3	STUD, fuel transfer pump
27	74368323	1	SEAL, oil, upper shaft
28	74365627	1	ADAPTER, tachometer drive
29	74251601	1	□GASKET, tachometer drive adapter
30	74386879	1	SEAL, oil, lower shaft

(Continued)



ACCESSORY DRIVE (Second type)

T-19602

ACCESSORY DRIVE (Continued)

USAGE: Tractors prior to serial No. 4001

ITEM	PART NO.	QTY.	DESCRIPTION
31	74365281	1	SHAFT, lower
	70905123	1	KEY, #9 woodruff, 3/16" x 3/4"
32	74369712	1	GEAR, lower shaft (42 teeth)
33	74368154	1	WASHER, thrust, lower shaft, rear
	70917014	2	PIN, dowel, 1/8" x 3/8"
34	74362726	1	SHIM, lower shaft end-play adjustment (laminated)
35	74364166	1	WASHER, thrust, lower shaft, front
36	74371119	1	NUT, lower shaft
	70900808	1	PIN, cotter, 1/8" x 1-1/2"

ACCESSORY DRIVE

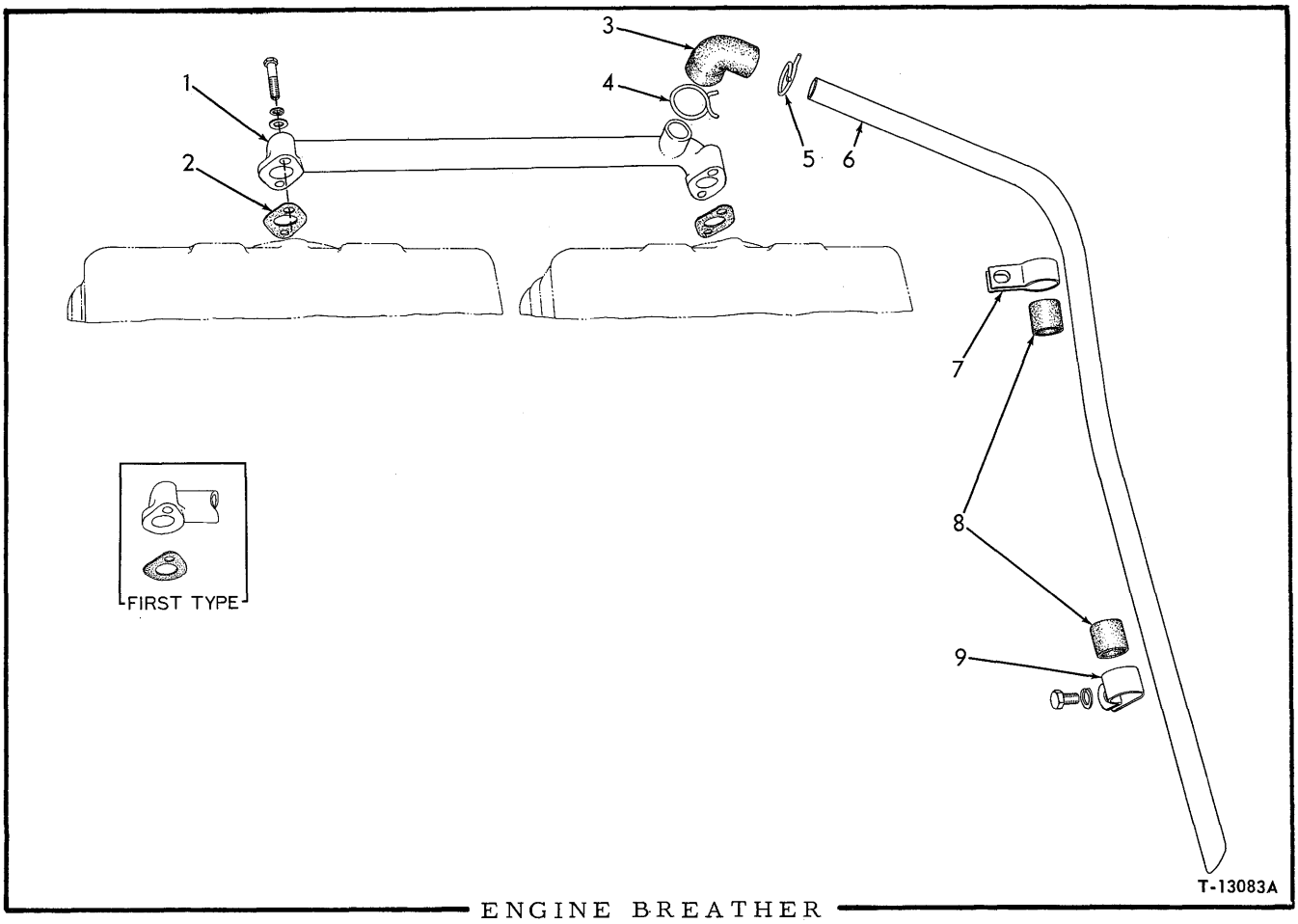
USAGE: Tractors serial No. 4001 and up

1	74389108	1	DRIVE ASSEMBLY, accessory (Consists of items 5 thru 37)
	70921520	8	CAPSCREW, Nylok, 3/8"NC x 7/8"
2	74376603	1	□GASKET, accessory drive to gear housing
3	74371118	1	NUT, cover, tachometer hole
4	74367090	1	□GASKET, tachometer hole nut
5	74371740	1	SHAFT, upper
	70917409	2	KEY, #9 woodruff, 3/16" x 3/4"
	70923280	1	KEY, hi-pro, 3/16" x 15/16"
6	74389055	1	GEAR, accessory drive
7	74368154	1	WASHER, thrust, upper shaft, front
	70917014	2	PIN, dowel, 1/8" x 3/8"
8	74376671	1	NUT, driven gear shaft
9	74389986	1	WASHER, driven gear shaft
10	70923574	1	O-RING, driven gear shaft
11	74376598	1	WASHER, thrust, driven gear
	70917014	2	PIN, dowel, 1/8" x 3/8"
12	74362726	2	SHIM, upper shaft, end-play adjustment (laminated)
13	74388154	1	WASHER, thrust, rear
14	74364404	1	GEAR, upper shaft (14 teeth)
15	74376596	1	BUSHING, driven gear
16	74377122	1	GEAR ASSEMBLY, driven, fuel transfer pump (Includes item 15)
17	74376599	1	PLATE, thrust, driven gear

(Continued)

ACCESSORY DRIVE (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
18	74376591	1	SHAFT ASSEMBLY, driven gear (Includes PLUG indented below)
	70917673	1	PLUG, pipe, hex-socket, 1/8"NPT
19	74376604	1	GASKET, cover
20	74377276	1	COVER ASSEMBLY, housing (Includes item 27)
	70912069	10	CAPSCREW, 3/8"NC x 2-1/2"
	70904206	10	LOCKWASHER, 3/8"
	70917023	2	PIN, dowel, 1/4" x 1"
21	------	3	STUD (See FUEL TRANSFER PUMP)
22	74391019	1	SEAL, oil, upper shaft
23	74365627	1	ADAPTER, tachometer drive
24	74251601	1	GASKET, tachometer drive adapter
25	74386879	1	SEAL, oil, lower shaft
26	74254742	1	RING, snap, bushing retaining
27	74377278	1	BUSHING, housing cover
28	74376702	1	SHAFT, lower
	70917409	1	KEY, #9 woodruff, 3/16" x 3/4"
29	74369751	1	NUT, upper shaft
	70900808	1	PIN, cotter, 1/8" x 1-1/2"
30	74376590	1	GEAR, driving, fuel transfer pump
31	74369712	1	GEAR, lower shaft (42 teeth)
32	74368154	1	WASHER, thrust, lower shaft, rear
	70917014	2	PIN, dowel, 1/8" x 3/8"
33	74376602	1	HOUSING ASSEMBLY (Includes item 34)
	70917673	4	PLUG, pipe, hex-socket, 1/8"NPT
34	74369746	4	BUSHING, accessory drive housing
35	74362726	1	SHIM, lower shaft end-play adjustment (laminated)
36	74364166	1	WASHER, thrust, lower shaft, front
37	74371119	1	NUT, lower shaft
	70900808	1	PIN, cotter, 1/8" x 1-1/2"
38	74376627	1	TUBE ASSEMBLY, lubricating oil (Includes nuts)
	70910141	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
	70913475	1	ELBOW, flare type, 1/4" tube, 1/8"NPT female
	70917841	1	NIPPLE, pipe, 1/8"NPT x 7/8"
	70917013	1	ELBOW, street, brass, 90°, 1/8"NPT
39	74361829	1	CLIP, tube supporting
40	74335669	1	CAPSCREW, drilled-hd., 1/4"NC x 1/2"
	70904204	1	LOCKWASHER, 1/4"
	74348691	1	WIRE, locking, #18 x 6"



ENGINE BREATHER

USAGE: Tractors prior to serial No. 4001 (HD844 series engine)

* Engines prior to serial No. 16-2914, excluding Nos. 16-2792 thru 16-2811

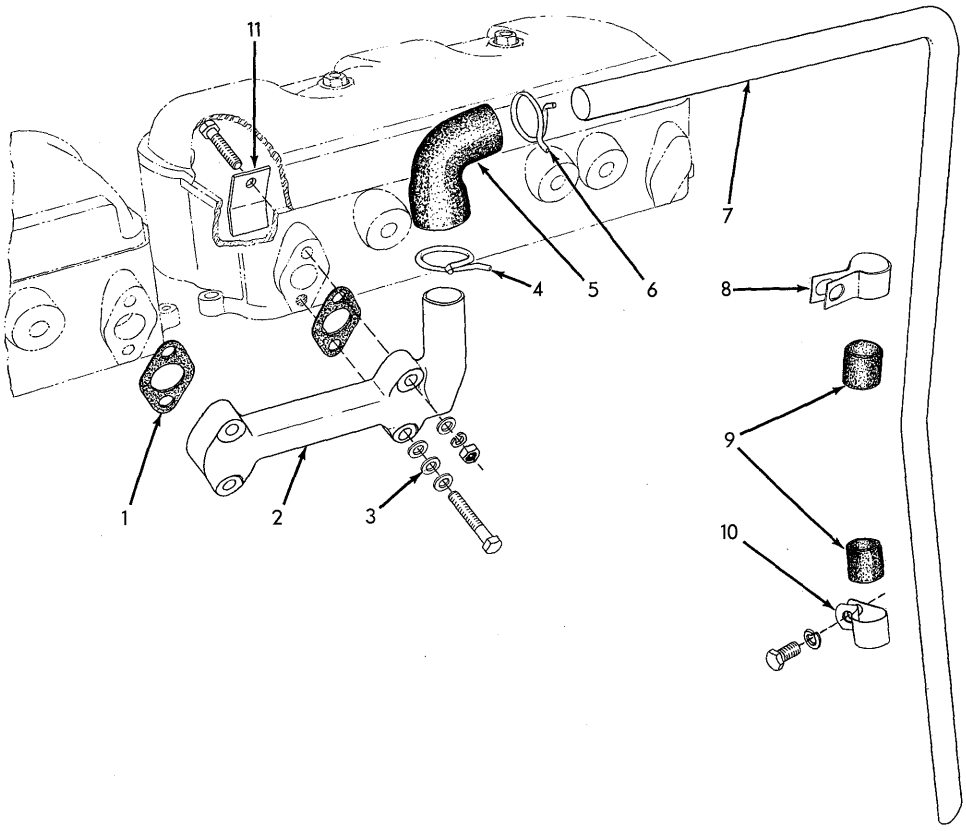
** Engines serial No. 16-2914 and up, including Nos. 16-2792 thru 16-2811

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	74372451	1	-	CONNECTOR, rocker cover
	74376404	-	1	CONNECTOR, rocker cover
	70903633	2	4	CAPSCREW, 3/8"NC x 1-3/4"
	70904206	2	4	LOCKWASHER, 3/8"
	70911115	2	4	WASHER, plain, SAE std., 3/8"
2	74371440	2	-	GASKET, rocker cover connector
	74376430	-	2 □	GASKET, rocker cover connector
3	74371768	1	1	ELBOW, breather tube (rubber)
4	74253978	1	1	CLAMP, breather tube elbow (1-5/8" diam.)
5	74253977	1	1	CLAMP, breather tube elbow (1-3/8" diam.)

(Continued)

ENGINE BREATHER (Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
6	74372431	1	1	TUBE, breather
7	74371323	1	1	CLAMP, breather tube, upper
8	74371324	2	2	INSULATOR, breather tube (rubber)
9	74253510	1	1	CLAMP, breather tube, lower
	70911980	1	1	CAPSCREW, 1/2"NC x 7/8"
	70904208	1	1	LOCKWASHER, 1/2"

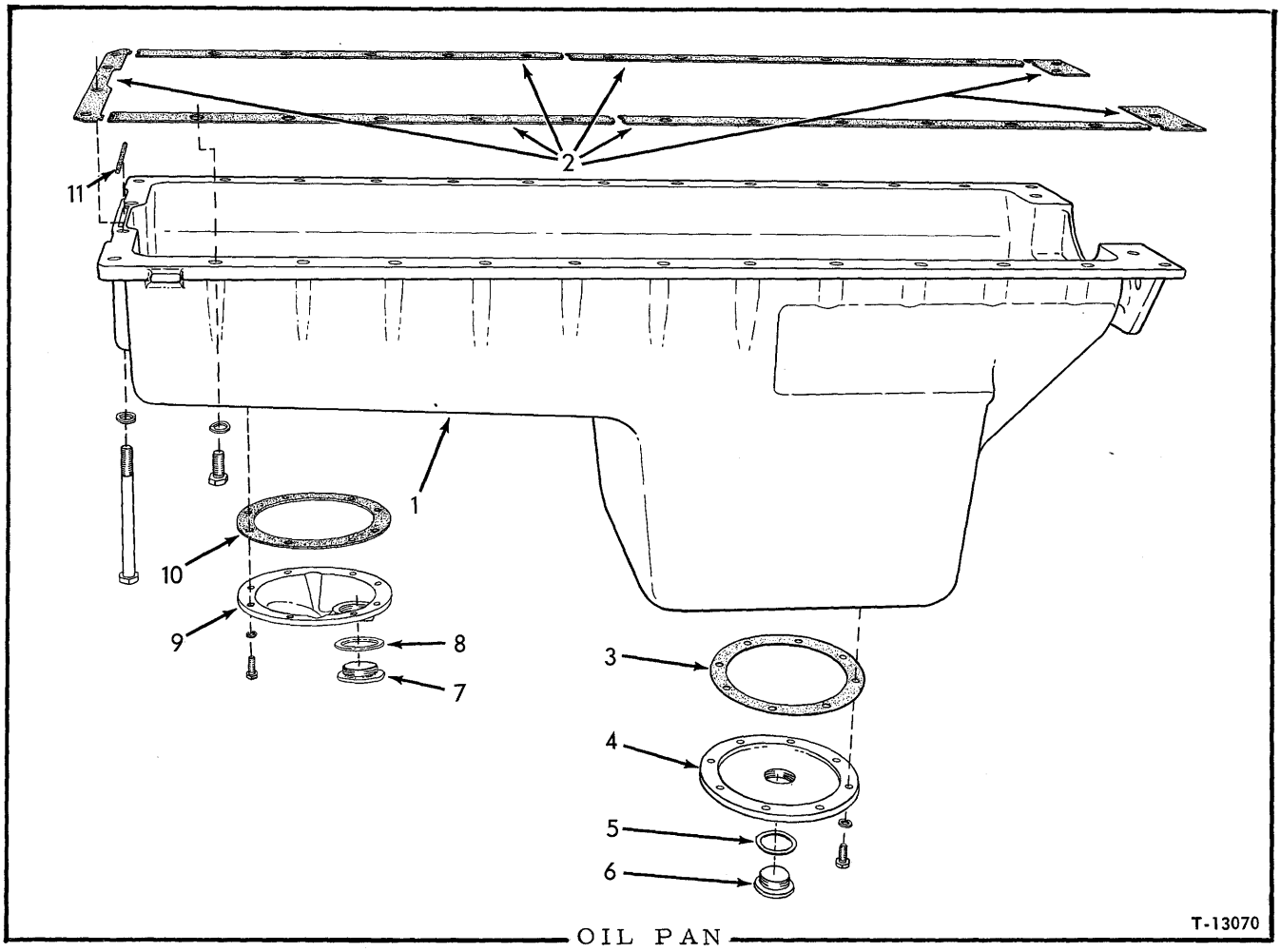


ENGINE BREATHER (Second type)

ENGINE BREATHER

USAGE: Tractors serial No. 4001 and up (16000 series engine)

ITEM	PART NO.	QTY.	DESCRIPTION
1	74376656	2	□ GASKET, connector to cylinder head
2	74378258	1	CONNECTOR, cylinder head cover
	70913709	2	CAPSCREW, 3/8"NC x 3" (full thread)(Used prior to engine #16-3170)
	70905667	2	CAPSCREW, 3/8"NC x 3" (Effective with engine #16-3170)
	70904206	2	LOCKWASHER, 3/8"
	70910234	2	NUT, 3/8"NC
	70916274	2	CAPSCREW, 3/8"NC x 2-1/4"
3	74340903	8	WASHER, copper
4	74253978	1	CLAMP, breather tube elbow (1-5/8" diam.)
5	74371768	1	ELBOW, breather tube (rubber)
6	74253977	1	CLAMP, breather tube elbow (1-3/8" diam.)
7	74376999	1	TUBE, breather
8	74371323	1	CLAMP, tube supporting, upper
9	74371324	2	INSULATOR, breather tube (rubber)
10	74253510	1	CLAMP, tube supporting, lower
	70911980	1	CAPSCREW, 1/2"NC x 7/8"
	70904208	1	LOCKWASHER, 1/2"
11	74378190	2	BAFFLE, oil

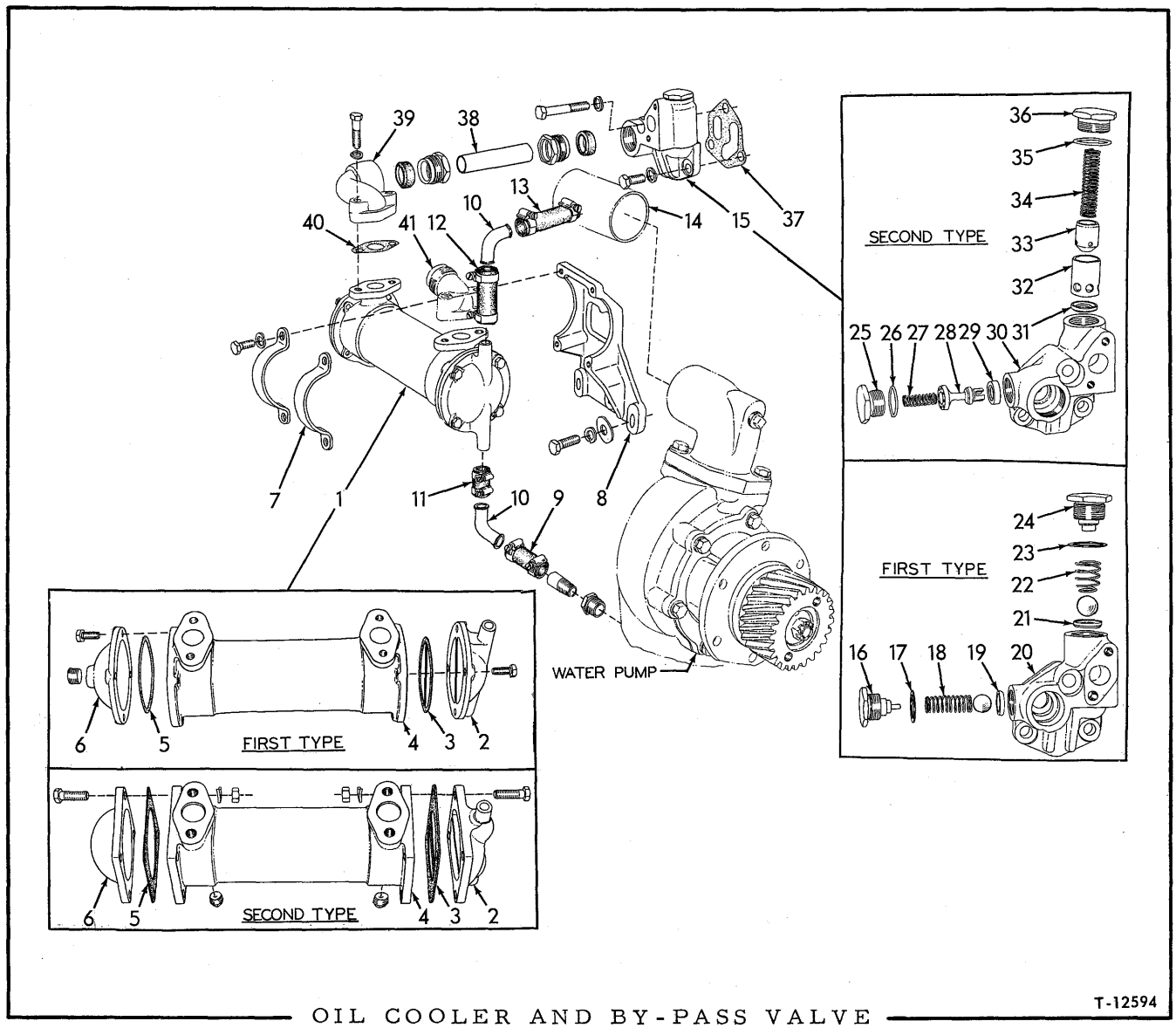


OIL PAN

ITEM	PART NO.	QTY.	DESCRIPTION
1	74379123	1	PAN, oil (If required for engines prior to #81455 also order PLUG 70035250, GASKET 70035249 and items 9 thru 11)
	70919230	28	CAPSCREW, 1/2"NC x 1-3/8"
	70910258	2	CAPSCREW, 1/2"NC x 6"
	70904208	30	LOCKWASHER, 1/2"
2	74365129	1	GASKET SET, oil pan
3	74371289	1	□ GASKET, rear clean-out hole cover
4	74371255	1	PLATE, rear clean-out hole
	70903630	8	CAPSCREW, 3/8"NC x 1"
	70904206	8	LOCKWASHER, 3/8"
5	70667252	1	□ GASKET, rear drain plug
6	70035250	1	PLUG, rear oil drain
7	70226408	1	PLUG, front oil drain (7/8"NF thd.)(Engines #81455 thru #83357)
	70035250	1	PLUG, front oil drain (1-1/2"NF thd.)(Effective with engine #83358)
8	70226012	1	GASKET, front oil drain plug (7/8" I.D.)(Engines #81455 thru #83357)
	70035249	1	□ GASKET, front oil drain plug (1-1/2" I.D.)(Effective with engine #83358)

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
9	74373770	1	COVER, front clean-out hole (Effective with engine #81455. If for engines prior to #83358 also order PLUG 70035250 and GASKET 70035249)
	70903630	8	CAPSCREW, 3/8"NC x 1"
	70904206	8	LOCKWASHER, 3/8"
10	74373069	1	□ GASKET, front clean-out hole cover (Effective with engine #81455)
11	74379070	1	SEAL, oil (Effective with engine #16-3816)



OIL COOLER AND BY-PASS VALVE

T-12594

USAGE: Engines prior to serial No. 16-2743 (HD844 series engine)

ITEM	PART NO.	QTY.	DESCRIPTION
1	74376934	1	COOLER, lubricating oil (Consists of items 2 thru 6)
2	74040007	1	BONNET, front (For first type cooler w/round flange)
	70903626	4	CAPSCREW, 5/16"NC x 3/4"
2	74041520	1	BONNET, front (For second type cooler w/square flange)
	70903631	4	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	4	LOCKWASHER, 3/8"
	70910324	4	NUT, 3/8"NC
3	74040009	1	GASKET, front bonnet (For first type cooler w/round flange)
	74041523	1	GASKET, front bonnet (For second type cooler w/square flange)

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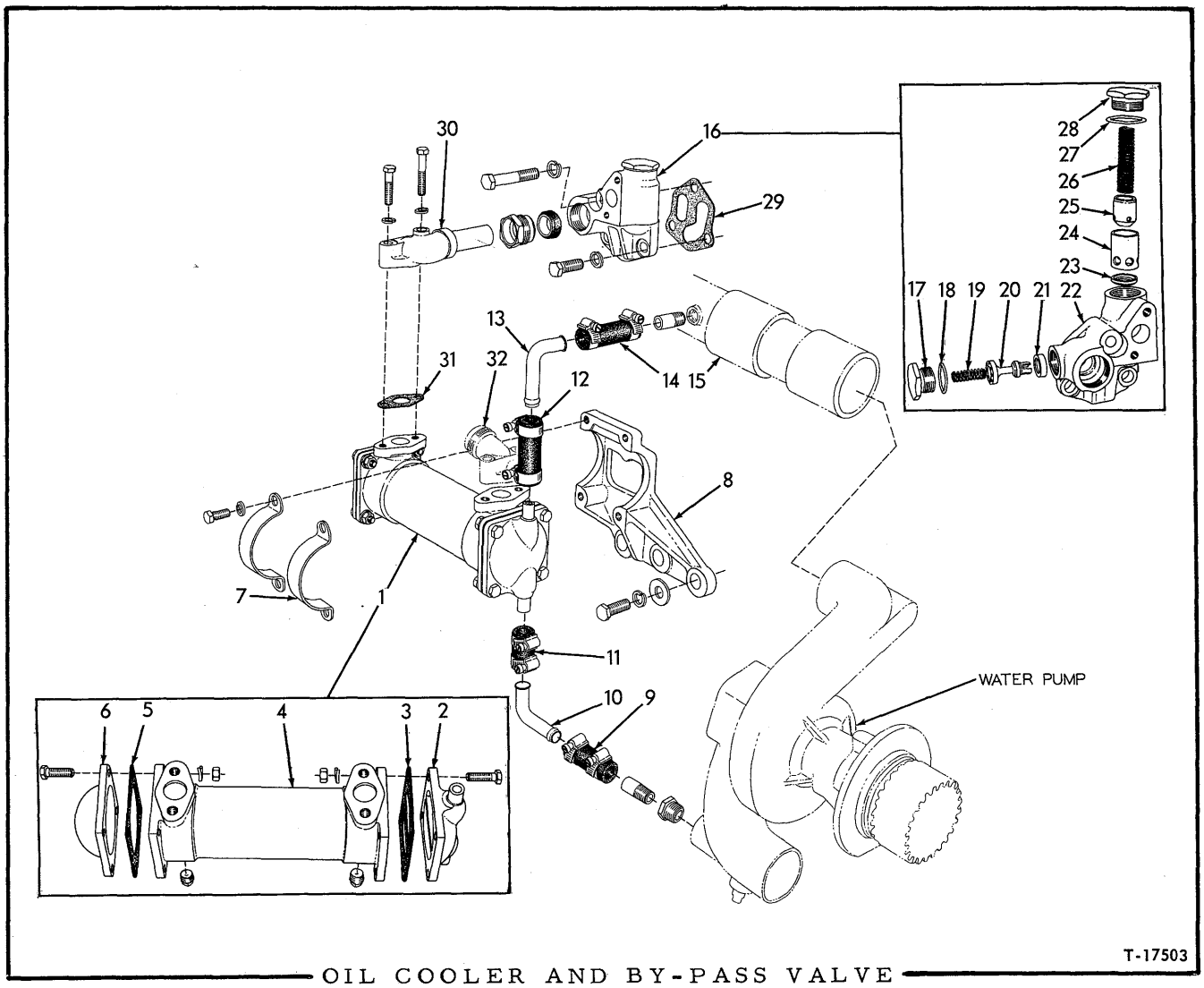
ITEM	PART NO.	QTY.	DESCRIPTION
4	74040006	1	CORE, oil cooler (For first type cooler w/round flange)
	74376936	1	CORE ASSEMBLY, oil cooler (Includes PLUGS indented below)(For second type cooler w/square flange)
	70901653	2	PLUG, pipe, 3/8"NPT
5	74040010	1	GASKET, rear bonnet (For first type cooler w/round flange)
	74349984	1	GASKET, rear bonnet (For second type cooler w/square flange)
6	74040008	1	BONNET, rear (For first type cooler w/round flange)
	70907856	1	PLUG, pipe, hex-socket, 3/8"NPT
	70903626	4	CAPSCREW, 5/16"NC x 3/4"
	74375651	1	BONNET, rear (For second type cooler w/square flange)
	70903631	4	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	4	LOCKWASHER, 3/8"
	70910324	4	NUT, 3/8"NC
7	74371874	2	CLAMP, oil cooler
	70903630	4	CAPSCREW, 3/8"NC x 1"
	70904206	4	LOCKWASHER, 3/8"
8	74371872	1	BRACKET, mounting
	70903639	3	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	3	LOCKWASHER, 1/2"
	70918232	3	WASHER, plain
9	74371891	1	HOSE, oil cooler (5/8"I.D. x 2-1/2")
	70921911	2	CLAMP, hose
	70917026	1	NIPPLE, pipe, 3/8"NPT x 1-1/2" (One end threaded)
	70904271	1	BUSHING, pipe reducing, 1/2"NPT to 3/8"NPT
10	74372832	2	ELBOW, oil cooler hose
11	74612563	1	HOSE, oil cooler (5/8"I.D. x 1-1/2")
	70921911	2	CLAMP, hose
12	74371892	1	HOSE, oil cooler (5/8"I.D. x 3")
	70921911	2	CLAMP, hose
13	74372236	1	HOSE, oil cooler (5/8"I.D. x 4-1/4")
	70921911	2	CLAMP, hose
14	-------	-	TEE (See WATER INLET MANIFOLD AND HEAT EXCHANGER)
15	74373604	1	VALVE ASSEMBLY, oil cooler by-pass (Consists of items 25 thru 36)
	70903639	2	CAPSCREW, 1/2"NC x 1-1/2"
	70905668	1	CAPSCREW, 1/2"NC x 3-1/4"
	70904208	3	LOCKWASHER, 1/2"
			NOTE: Items 16 thru 24 comprise the FIRST TYPE OIL BY-PASS VALVE used on engines prior to serial No. 81137
16	74371288	1	CAP, by-pass valve

(Continued)

OIL COOLER AND BY-PASS VALVE (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
17	74115449	1	GASKET, by-pass valve cap
18	74372453	1	SPRING, by-pass valve
	70917012	1	BALL, steel, 3/4" diam.
19	74368610	1	SEAT, by-pass valve ball
20	-------	1	HOUSING, by-pass valve (Order item 15)
21	74348580	1	INSERT, check valve seat (Effective with engine #80662)
22	74347190	1	SPRING, check valve
	70917015	1	BALL, steel, 7/8" diam.
23	74253751	1	GASKET, check valve cap
24	74371026	1	CAP, check valve
			NOTE: Items 25 thru 36 comprise the SECOND TYPE OIL BY-PASS VALVE effective with engine serial No. 81137.
25	74373609	1	CAP, by-pass valve
26	74115449	1	GASKET, by-pass valve cap
27	74373608	1	SPRING, by-pass valve
28	74373607	1	VALVE, by-pass
29	74373606	1	SEAT, by-pass valve
30	74373677	1	HOUSING ASSEMBLY, by-pass valve (Includes items 29 and 31)
31	74373614	1	SEAT, check valve
32	74373612	1	SLEEVE, check valve piston
33	74373613	1	PISTON, check valve
34	74373611	1	SPRING, check valve
35	74253751	1	GASKET, check valve cap
36	74373610	1	CAP, check valve
37	74386495	1	□ GASKET, by-pass valve to block
38	74371432	1	TUBE, cooler to by-pass valve
	70917761	2	NUT, male, Sealastic, 1" tube
	70917770	1	RING, Sealastic, 1" tube (Includes slip ferrule)
	70915535	1	RING, Sealastic, 1" tube (Includes locking ferrule)
39	74371430	1	ELBOW, rear connection
	70903632	2	CAPSCREW, 3/8"NC x 1-1/2"
	70904206	2	LOCKWASHER, 3/8"
40	74371027	1	□ GASKET, rear connection elbow
41	-------	-	ELBOW (See OIL FILTER)

MEMO



OIL COOLER AND BY-PASS VALVE

USAGE: Effective with engine serial No. 16-2743 but later discontinued with tractor serial No. 4001 (HD844 series engine)

ITEM	PART NO.	QTY.	DESCRIPTION
1	74376934	1	COOLER, lubricating oil (Consists of items 2 thru 6)
2	74041520	1	BONNET, oil cooler, front
	70903631	4	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	4	LOCKWASHER, 3/8"
	70910324	4	NUT, 3/8"NC
3	74041523	1	GASKET, front bonnet
4	74376936	1	CORE, oil cooler
	70901653	2	PLUG, pipe, 3/8"NPT
5	74349984	1	GASKET, rear bonnet
6	74375651	1	BONNET, oil cooler, rear
	70903631	4	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	4	LOCKWASHER, 3/8"
	70910324	4	NUT, 3/8"NC

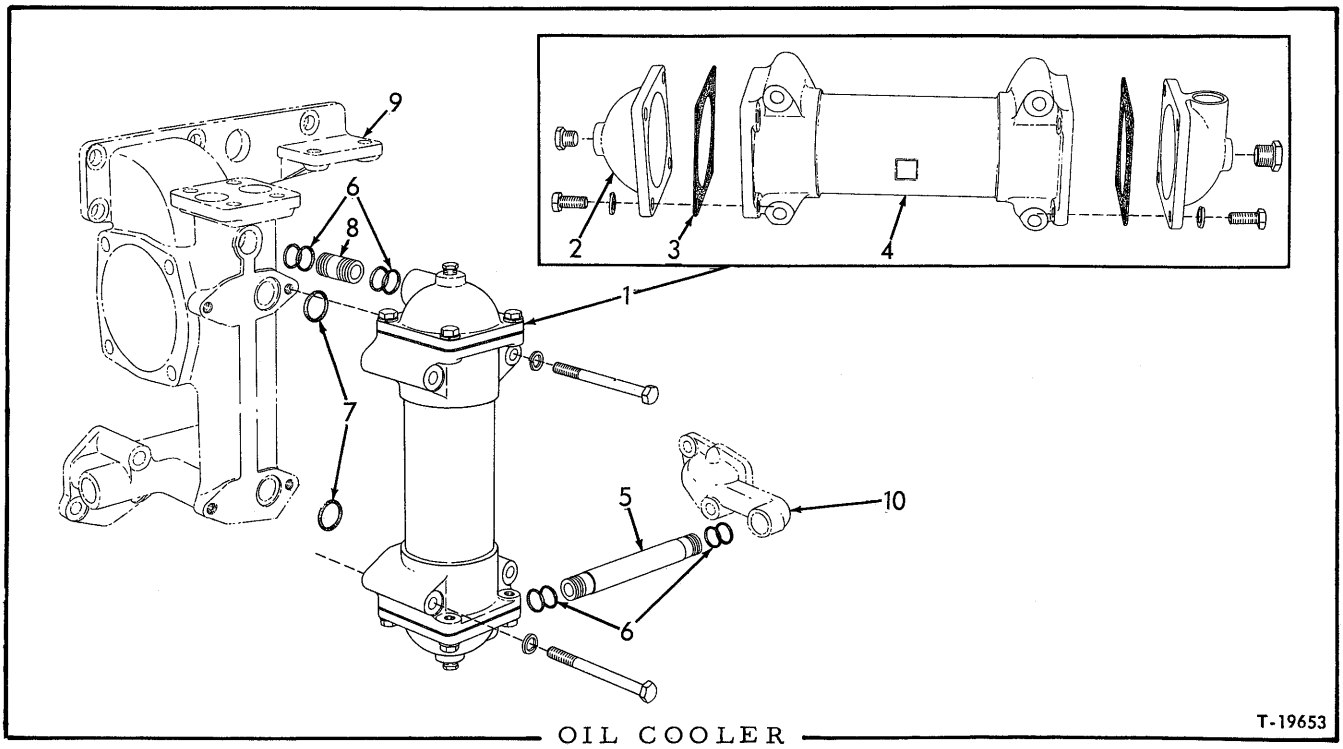
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ITEM	PART NO.	QTY.	DESCRIPTION
7	74371874	2	CLAMP, oil cooler
	70903630	4	CAPSCREW, 3/8"NC x 1"
	70904206	4	LOCKWASHER, 3/8"
8	74375660	1	BRACKET, mounting
	70903639	3	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	3	LOCKWASHER, 1/2"
	70918232	3	WASHER, plain
9	74371891	1	HOSE, oil cooler (5/8"I. D. x 2-1/2")
	70921911	2	CLAMP, hose
	70917026	1	NIPPLE, pipe, 3/8"NPT x 1-1/2" (One end threaded)
	70904271	1	BUSHING, pipe reducing, 1/2"NPT to 3/8"NPT
10	74375704	1	ELBOW, pump to cooler
11	74371890	1	HOSE, oil cooler (5/8"I. D. x 1-3/4")
	70921911	2	CLAMP, hose
12	74375706	1	HOSE, oil cooler (5/8"I. D. x 2-1/4")
	70921911	2	CLAMP, hose
13	74375703	1	ELBOW, cooler to water inlet
14	74375705	1	HOSE, oil cooler (5/8"I. D. x 2-5/8")
	70921911	2	CLAMP, hose
	70917026	1	NIPPLE, pipe, 3/8"NPT x 1-1/2" (One end threaded)
15	------	-	INLET (See WATER INLET MANIFOLD AND HEAT EXCHANGER)
16	74373604	1	VALVE ASSEMBLY, oil cooler by-pass (Consists of items 17 thru 28)
	70903639	2	CAPSCREW, 1/2"NC x 1-1/2"
	70905668	1	CAPSCREW, 1/2"NC x 3-1/4"
	70904208	3	LOCKWASHER, 1/2"
17	74373609	1	CAP, by-pass valve
18	74115449	1	GASKET, by-pass valve cap
19	74373608	1	SPRING, by-pass valve
20	74373607	1	VALVE, by-pass
21	74373606	1	SEAT, by-pass valve
22	74373677	1	HOUSING ASSEMBLY, by-pass valve (Includes items 21 and 23)
23	74373614	1	SEAT, check valve
24	74373612	1	SLEEVE, check valve piston
25	74373613	1	PISTON, check valve
26	74373611	1	SPRING, check valve

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OIL COOLER AND BY-PASS VALVE (Continued)

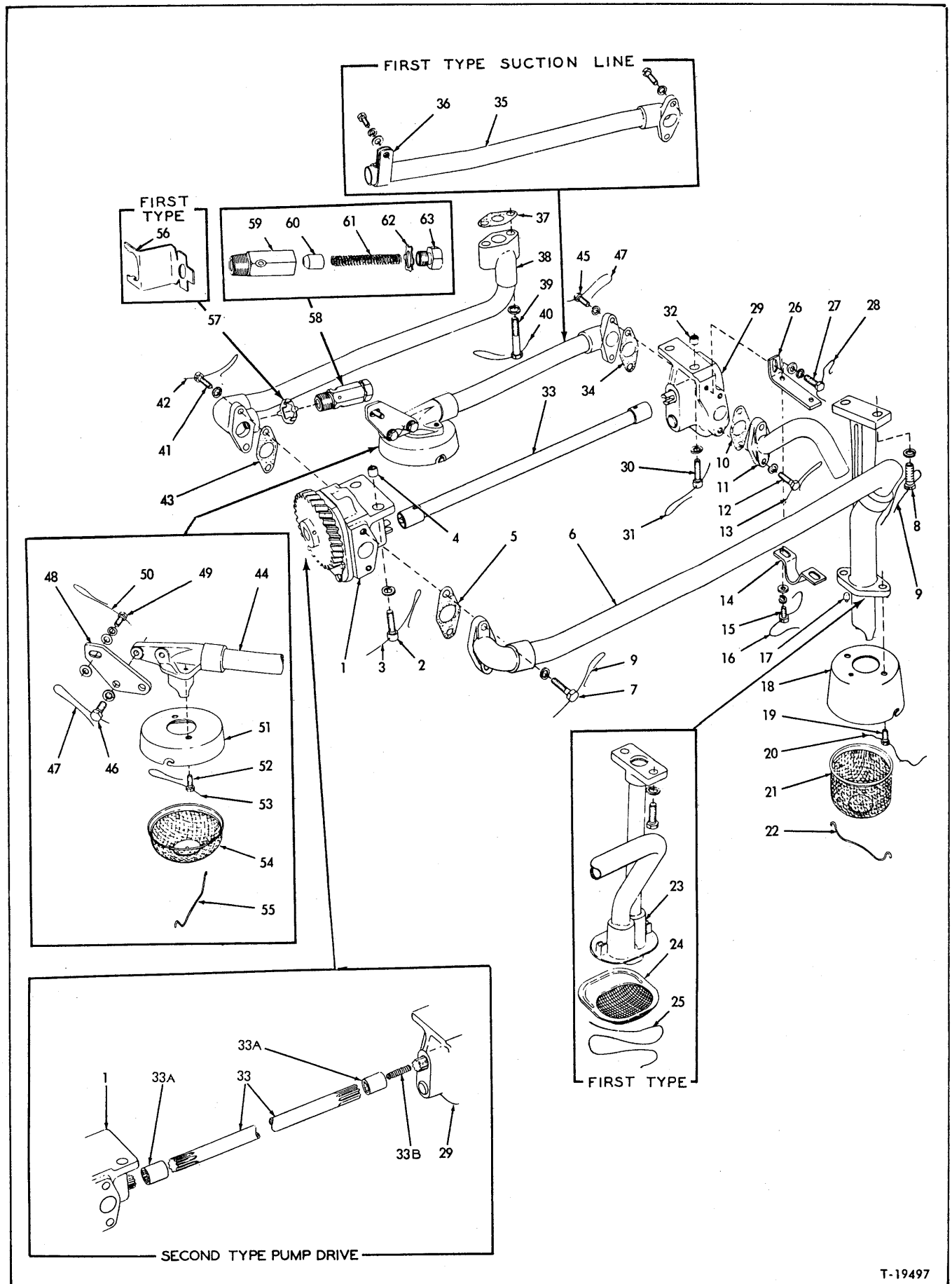
ITEM	PART NO.	QTY.	DESCRIPTION
27	74253751	1	GASKET, check valve cap
28	74373610	1	CAP, check valve
29	74386495	1	□ GASKET, by-pass valve to block
30	74375662	1	LINE, cooler to by-pass valve
	70917761	1	NUT, male, Sealastic, 1" tube
	70915535	1	RING, Sealastic, 1" tube (Includes ferrule)
	70914499	1	CAPSCREW, 3/8"NC x 1-5/8"
	70903634	1	CAPSCREW, 3/8"NC x 2"
	70904206	2	LOCKWASHER, 3/8"
31	74371027	1	□ GASKET, rear connection elbow
32	-------	-	ELBOW (See OIL FILTER)



OIL COOLER

USAGE: Tractors serial No. 4001 and up (16000 series engine)

ITEM	PART NO.	QTY.	DESCRIPTION
1	74386640	1	EXCHANGER ASSEMBLY, heat, lubricating oil (Consists of items 2 thru 4)
	70919801	4	CAPSCREW, 3/8"NC x 4"
	70904206	4	LOCKWASHER, 3/8"
2	74386642	2	BONNET, heat exchanger core
	70920333	2	PLUG, pipe, hex-hd., 3/8"NPT (Used prior to engine #4883)
	70919840	2	PLUG, pipe, hex-hd., 1/4"NPT (Effective with engine #4883)
	70903629	8	CAPSCREW, 3/8"NC x 3/4"
	70904206	8	LOCKWASHER, 3/8"
3	74349984	2	GASKET, heat exchanger core
4	74376991	1	CORE, heat exchanger
5	74376815	1	TUBE, water, heat exchanger to water pump (7-1/4" long)(Used prior to engine #16-05389)
	74386864	1	TUBE, water, heat exchanger to water pump (8-1/2" long)(Effective with engine #16-05389)
6	70923379	8	□ O-RING, heat exchanger water tubes
7	74255511	3	□ O-RING, heat exchanger to manifold (1-3/16" O. D.)(Used prior to engine #16-5686)
	74255631	2	□O-RING, heat exchanger to manifold (1-7/16"O. D.)(Effective with engine #16-5686)
8	74376813	1	TUBE, water, heat exchanger to manifold (1-5/8" long)(Used prior to engine #16-5686)
	74389129	1	TUBE, water, heat exchanger to manifold (1-7/16" long)(Effective with engine #16-5686)
9	------	-	MANIFOLD, water and oil (See WATER INLET MANIFOLD AND HEAT EXCHANGER)
10	------	-	FLANGE, water by-pass (See WATER OUTLET MANIFOLD)


FIRST TYPE SUCTION LINE
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FIRST TYPE
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FIRST TYPE
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33A
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33B
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SECOND TYPE PUMP DRIVE
T-19497

OIL PUMPS

* Model HD844 series engines prior to serial No. 16-2753
** Model HD844 series engines serial No. 16-2753 and up
*** Model 16000 series engines (Tractors #4001 and up)

Tractors prior to #4001

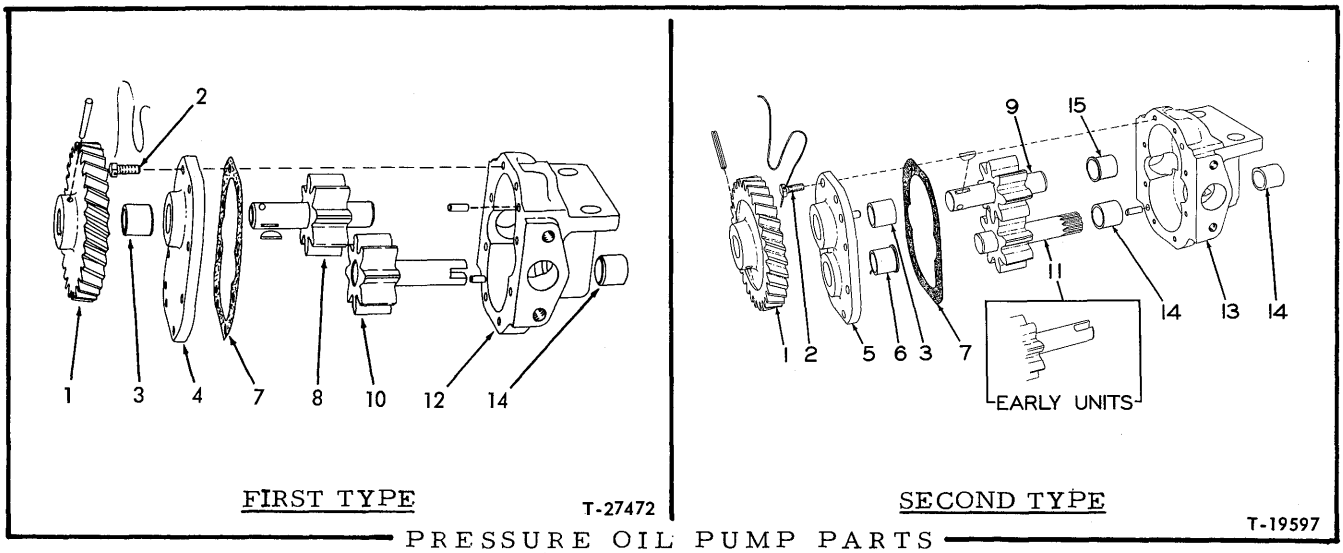
ITEM	PART NO.	QUANTITY *	**	***	DESCRIPTION
	74373707	1	1	-	PUMP ASSEMBLY, pressure (See page 80 for parts) (Order PUMP ASSEMBLY 74389941)
1	74389941	-	-	1	PUMP ASSEMBLY, pressure (See page 80 for parts) (Used prior to engine #16-4311)
	74388954	-	-	1	PUMP ASSEMBLY, pressure (See page 80 for parts) (Effective with engine #16-4311)
	70912274	2	-	-	CAPSCREW, socket-hd., 7/16"NC x 1-1/2"
2	74374547	-	2	2	CAPSCREW, drilled socket-hd., 7/16"NC x 1-1/2"
	70904207	2	2	2	LOCKWASHER, 7/16"
3	74509035	-	1	1	WIRE, locking, #18 x 10"
4	74371253	2	2	2	DOWEL, hollow, pressure pump
5	74371345	1	1	1	□ GASKET, pressure pump suction line
6	74377167	-	1	1	LINE, suction, pressure pump
7	74378558	-	2	2	CAPSCREW, drilled-hd., 3/8"NC x 1-1/8"
	70904206	-	2	2	LOCKWASHER, 3/8"
8	74377201	-	2	2	CAPSCREW, drilled-hd., 7/16"NC x 1-1/4"
	70904207	-	2	2	LOCKWASHER, 7/16"
9	74509035	-	2	2	WIRE, locking, #18 x 10"
10	74371345	1	1	1	□ GASKET, discharge line
11	74375632	1	1	1	LINE, discharge, scavenging pump
12	70910211	2	-	-	CAPSCREW, 3/8"NC x 1-1/8"
	74378558	-	2	2	CAPSCREW, drilled-hd., 3/8"NC x 1-1/8"
	70904206	2	2	2	LOCKWASHER, 3/8"
13	74509035	-	1	1	WIRE, locking, #18 x 10"
14	74371293	1	1	1	CLAMP, pressure pump suction line
15	70905656	2	-	-	CAPSCREW, 1/4"NC x 5/8"
	74377056	-	2	2	CAPSCREW, drilled-hd., 1/4"NC x 5/8"
	70904204	2	2	2	LOCKWASHER, 1/4"
	70911114	2	2	2	WASHER, plain, SAE std., 1/4"
16	74348691	-	2	2	WIRE, locking, #18 x 6"
17	74374166	-	1	-	PIN, locating, oil pump screen cover (Used prior to engine #16-2999)
18	74378592	-	1	1	COVER, pressure pump oil screen
19	74374129	-	2	2	CAPSCREW, drilled-hd., 5/16"NC x 3/4"
20	74509035	-	1	1	WIRE, locking, #18 x 10"
21	74374127	-	1	1	SCREEN, pressure oil pump
22	74376294	-	1	1	RETAINER, pressure oil pump screen
23	------	1	-	-	LINE, suction, pressure pump (Order item 6 and items 17 thru 22)
	70910211	2	-	-	CAPSCREW, 3/8"NC x 1-1/8"
	70904706	2	-	-	CAPSCREW, 7/16"NC x 1-1/4"
	70904206	2	-	-	LOCKWASHER, 3/8"
	70904207	2	-	-	LOCKWASHER, 7/16"

(Continued)

ITEM	PART NO.	QUANTITY *	**	***	DESCRIPTION
24	74500270	1	-	-	SCREEN, oil
25	74374018	1	-	-	WIRE, oil screen retaining (1/16" x 20")
26	74371281	1	1	1	BRACKET, suction line clamp
27	70903771	1	-	-	CAPSCREW, 5/16"NC x 7/8"
	74335600	-	1	1	CAPSCREW, drilled-hd., 5/16"NC x 7/8"
	70904205	1	1	1	LOCKWASHER, 5/16"
	70910335	1	1	1	WASHER, plain, SAE std., 5/16"
28	74348691	-	1	1	WIRE, locking, #18 x 6"
29	74371297	1	1	-	PUMP ASSEMBLY, scavenging (See page 82 for parts) (Order PUMP ASSEMBLY 74376829)
	74376829	-	-	1	PUMP ASSEMBLY, scavenging (See page 82 for parts) (Used prior to engine #16-4311)
	74385971	-	-	1	PUMP ASSEMBLY, scavenging (See page 82 for parts) (Effective with engine #16-4311)
30	70912274	2	-	-	CAPSCREW, socket-hd., 7/16"NC x 1-1/2"
	74374547	-	2	2	CAPSCREW, drilled socket-hd., 7/16"NC x 1-1/2"
	70904207	2	2	2	LOCKWASHER, 7/16"
31	74509035	-	1	1	WIRE, locking, #18 x 10"
32	74371253	2	2	2	DOWEL, hollow, scavenging pump
33	74379834	1	1	1	SHAFT ASSEMBLY, scavenging pump drive (1 shaft, 2 sleeves and 2 pins)(Used prior to engine #16-4311)
	74385537	-	-	1	SHAFT ASSEMBLY, scavenging pump drive (Effective with engine #16-4311)
33A	74385536	-	-	2	COUPLING, splined, scavenging pump drive (Effective with engine #16-4311)
33B	74385715	-	-	1	SPRING, pump drive shaft (Effective with engine #16-4311)
34	74371345	1	1	1	□ GASKET, scavenging pump suction line
35	74375629	1	-	-	LINE, suction, scavenging pump
	70910211	2	-	-	CAPSCREW, 3/8"NC x 1-1/8"
	70904206	2	-	-	LOCKWASHER, 3/8"
36	74371274	1	-	-	CLAMP, scavenging pump discharge line
	70903771	1	-	-	CAPSCREW, 5/16"NC x 7/8"
	70904205	1	-	-	LOCKWASHER, 5/16"
	70910335	1	-	-	WASHER, plain, SAE std., 5/16"
37	74660423	1	1	1	□ GASKET, discharge line to block
38	74375613	1	1	1	TUBE, pressure pump discharge
	70903781	2	-	-	CAPSCREW, 1/2"NC x 2-3/4"
39	74374499	-	2	2	CAPSCREW, drilled-hd., 1/2"NC x 2-3/4"
	70904208	2	2	2	LOCKWASHER, 1/2"
40	74348691	-	1	1	WIRE, locking, #18 x 6"
	70910211	2	-	-	CAPSCREW, 3/8"NC x 1-1/8"
41	74378558	-	2	2	CAPSCREW, drilled-hd., 3/8"NC x 1-1/8"
	70904206	2	2	2	LOCKWASHER, 3/8"
42	74509035	-	1	1	WIRE, locking, #18 x 10"

(Continued)

ITEM	PART NO.	QUANTITY *	**	***	DESCRIPTION
43	74371345	1	1	1	□ GASKET, discharge line to pump
44	74375566	-	1	1	TUBE, suction, scavenging pump
45	74378558	-	2	2	CAPSCREW, drilled-hd., 3/8"NC x 1-1/8"
46	74335610	-	2	2	CAPSCREW, drilled-hd., 3/8"NC x 1"
	70904206	-	4	4	LOCKWASHER, 3/8"
47	74509035	-	2	2	WIRE, locking, #18 x 10"
48	74373894	-	1	1	BRACKET, supporting, scavenging pump suction tube
49	74335600	-	1	1	CAPSCREW, drilled-hd., 5/16"NC x 7/8"
	70910335	-	2	2	WASHER, plain, SAE std., 5/16"
	70904205	-	1	1	LOCKWASHER, 5/16"
50	74348691	-	1	1	WIRE, locking, #18 x 6"
51	74348684	-	1	1	COVER, scavenging pump screen
52	74374129	-	2	2	CAPSCREW, drilled-hd., 5/16"NC x 3/4"
53	74509035	-	1	1	WIRE, locking, #18 x 10"
54	74348683	-	1	1	SCREEN, scavenging oil pump
55	74348682	-	1	1	RETAINER, scavenging oil pump screen
56	74372780	1	-	-	LOCK, oil pressure relief valve (Used prior to engine #81201)
57	74347938	1	1	1	LOCK, oil pressure relief valve (Effective with engine #81201)
58	74339204	1	1	1	VALVE ASSEMBLY, oil pressure relief (Consists of items 59 thru 63)
59	------	1	1	1	BODY, oil pressure relief valve (Not serviced separately)
60	------	1	1	1	PISTON, oil pressure relief valve (Not serviced separately)
61	------	1	1	1	SPRING, oil pressure relief valve (2-57/64" long)(Original equipment. Order SPRING 74339193 and CAP 74339203)
	74339193	1	1	1	SPRING, oil pressure relief valve (3-3/64" long)(Service replacement)
62	74374564	1	1	1	WASHER, locking, relief valve cap
63	74386525	1	1	1	CAP, pressure relief valve body (Original equipment)
	74339203	1	1	1	CAP, pressure relief valve body (Used with service replacement SPRING 74339193 only)



PRESSURE OIL PUMP PARTS

USAGE: See page 77

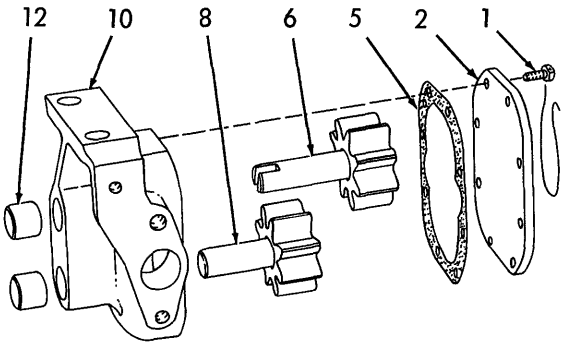
* PUMP ASSEMBLY 74373707
** PUMP ASSEMBLY 74389941
*** PUMP ASSEMBLY 74388954

ITEM	PART NO.	QUANTITY *	**	***	DESCRIPTION
1	74371937	1	-	-	GEAR, driving (Used prior to engine #83816)
	70900636	1	-	-	PIN, taper, #2 x 1-1/2"
	70910224	1	-	-	KEY, #6 woodruff, 5/32" x 5/8"
	74389054	1	1	1	GEAR, driving (Effective with engine #83816)
	70915989	1	1	1	PIN, roll, 3/16" x 1-3/8"
	70910224	1	1	1	KEY, #6 woodruff, 5/32" x 5/8"
2	74377056	8	8	8	CAPSCREW, pump cover
	74353538	4	4	4	WIRE, locking, 1/16" x 8"
3	74371270	1	1	1	BUSHING, pump cover (plain)
4	74373708	1	-	-	COVER ASSEMBLY (Includes item 3)
	70917555	2	-	-	PIN, dowel, 1/4" x 5/8"
5	74377037	-	1	1	COVER ASSEMBLY (Includes items 3 and 6)
	70917555	-	2	2	PIN, dowel, 1/4" x 5/8"
6	74377038	-	1	1	BUSHING, pump cover (flanged)
7	74371300	1	1	1	GASKET, cover
8	74373706	1	-	-	SHAFT AND GEAR ASSEMBLY, upper (If for engines prior to #83816 also order 1 GEAR 74375546 and 1 PIN 70915989)
9	74389939	-	1	-	SHAFT AND GEAR ASSEMBLY, upper
	74379414	-	-	1	SHAFT AND GEAR ASSEMBLY, upper
10	74371318	1	-	-	SHAFT AND GEAR ASSEMBLY, lower

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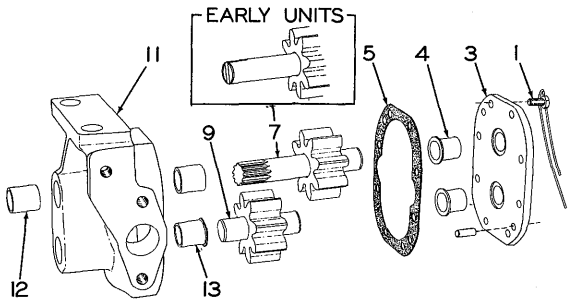
PRESSURE OIL PUMP PARTS (Continued)

ITEM	PART NO.	QUANTITY *	**	***	DESCRIPTION
11	74379444	-	1	-	SHAFT AND GEAR ASSEMBLY, lower
	74379415	-	-	1	SHAFT AND GEAR ASSEMBLY, lower
12	74371250	1	-	-	BODY ASSEMBLY (Includes item 14)
13	74376776	-	1	-	BODY ASSEMBLY(Includes items 14 and 15)
	74379411	-	-	1	BODY ASSEMBLY (Includes items 14 and 15)
14	74371270	3	2	2	BUSHING, pump body (plain)
15	74377039	-	1	1	BUSHING, pump body (flanged)



FIRST TYPE

T-27473



SECOND TYPE

T-19598

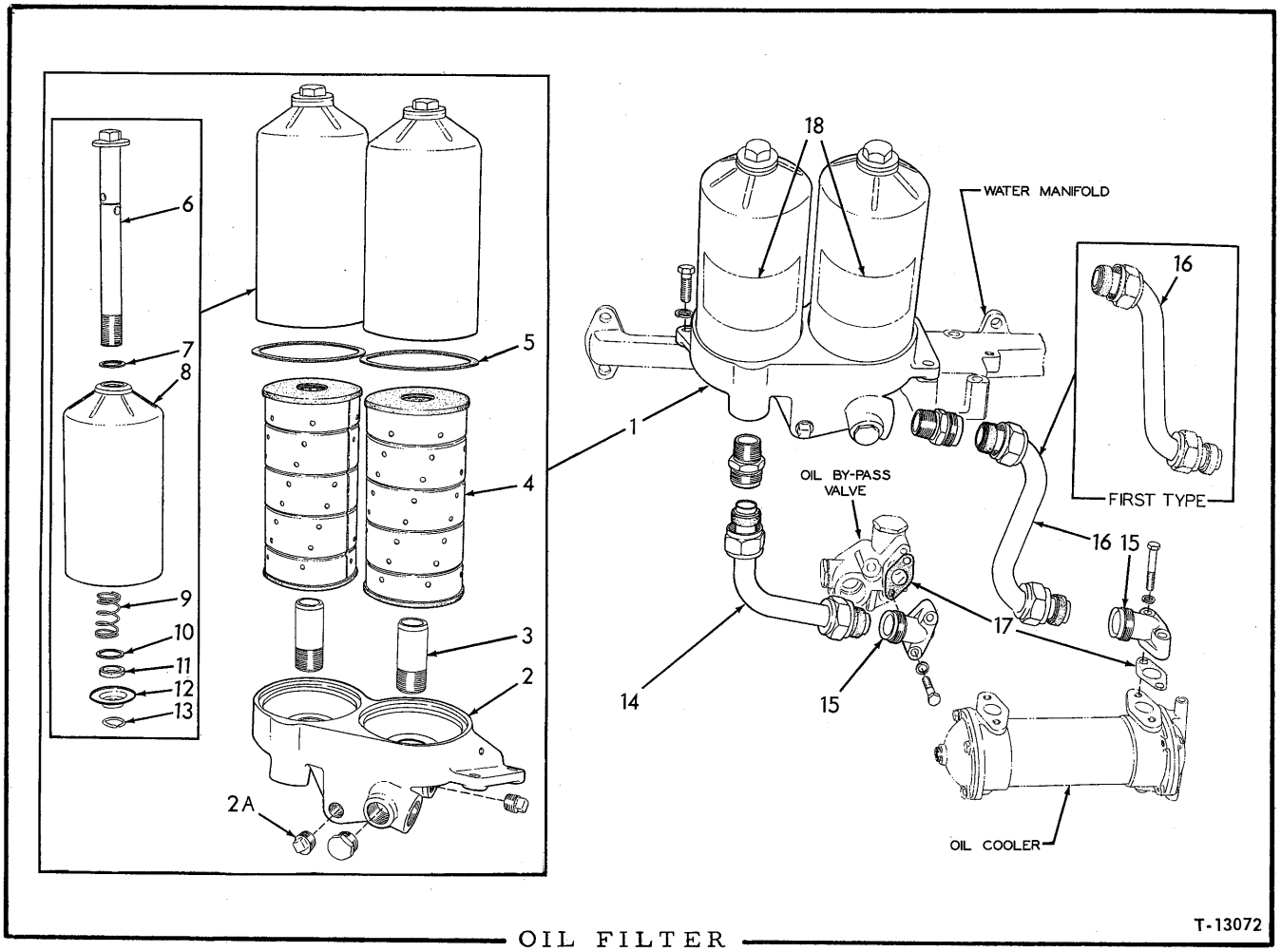
SCAVENGING OIL PUMP PARTS

USAGE: See page 77

* PUMP ASSEMBLY 74371297
** PUMP ASSEMBLY 74376829
*** PUMP ASSEMBLY 74385971

ITEM	PART NO.	QUANTITY *	**	***	DESCRIPTION
1	74377056	8	8	8	CAPSCREW, pump cover
	74353538	4	4	4	WIRE, locking, 1/16" x 8"
2	74371252	1	-	-	COVER
3	74377050	-	1	1	COVER ASSEMBLY (Includes item 4)
4	74377039	-	2	2	BUSHING, pump cover
5	74371300	1	1	1	GASKET, pump cover
6	74371318	1	-	-	SHAFT AND GEAR ASSEMBLY, upper
7	74379443	-	1	-	SHAFT AND GEAR ASSEMBLY, upper
	74379610	-	-	1	SHAFT AND GEAR ASSEMBLY, upper
8	74371313	1	-	-	SHAFT AND GEAR ASSEMBLY, lower
9	74377054	-	1	1	SHAFT AND GEAR ASSEMBLY, lower
10	------	1	-	-	BODY ASSEMBLY (Includes item 12) (Order BODY ASSEMBLY 74385973 and 1 BUSHING 74371270)
11	74385973	-	1	1	BODY ASSEMBLY (Includes items 12, 13 and PINS indented below)
	70917555	-	2	2	PIN, dowel, 1/4" x 5/8"
12	74371270	4	2	2	BUSHING, pump body (plain)
13	74377039	-	1	1	BUSHING, pump body (flanged)

MEMO



OIL FILTER

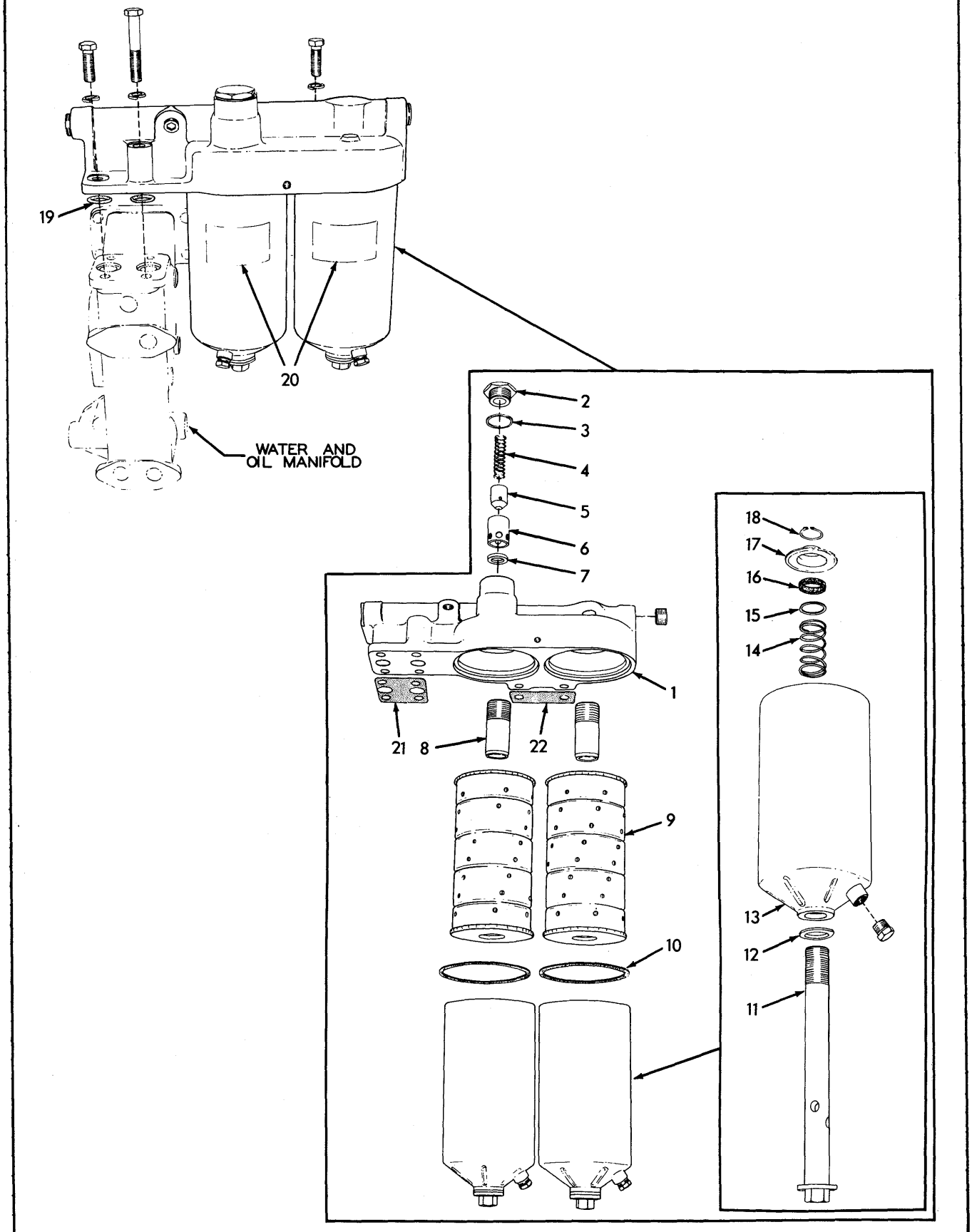
USAGE: Tractors prior to serial No. 4001

ITEM	PART NO.	QTY.	DESCRIPTION
1	74376143	1	FILTER ASSEMBLY, lubricating oil (Consists of items 2 thru 13)
	70904541	1	CAPSCREW, 1/2"NC x 1-3/4"
	70904208	1	LOCKWASHER, 1/2"
2	74376056	1	BASE, oil filter
	70920525	1	PLUG, pipe, hex-hd,, 3/4"NPT
	70912725	1	PLUG, pipe, 1/2"NPT
2A	70921517	1	PLUG, pipe, 1/2"NPT (Dryseal)
3	74378307	2	ADAPTER, filter center bolt
4	74371021	2	ELEMENT KIT, oil filter (Includes item 5)
5	74372325	2	GASKET, oil filter body
6	74374735	2	BOLT, center
7	74041103	2	GASKET, filter center bolt
8	74371040	2	BODY, oil filter

(Continued)

OIL FILTER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
9	74371036	2	SPRING, filter element
10	74348268	2	WASHER, filter element seal
11	74348270	2	SEAL, filter element
12	74348269	2	ADAPTER, filter element
13	74253195	2	RING, snap, filter center bolt
14	74371405	1	LINE, oil filter to by-pass valve
	70917762	1	CONNECTOR, Sealastic, 1" tube, 1/2"NPT male
	70918566	2	NUT, Sealastic, 1" tube
	70915535	1	RING, Sealastic, 1" tube (Includes locking ferrule)
	70917770	1	RING, Sealastic, 1" tube (Includes slip ferrule)
15	74371399	2	ELBOW, line connecting
	70903633	4	CAPSCREW, 3/8"NC x 1-3/4"
	70904206	4	LOCKWASHER, 3/8"
16	74371404	1	LINE, oil filter to cooler (Used prior to engine #16-2743)
	74375664	1	LINE, oil filter to cooler (Effective with engine #16-2743)
	70917762	1	CONNECTOR, Sealastic, 1" tube, 1/2"NPT male
	70918566	2	NUT, Sealastic, 1" tube
	70915535	1	RING, Sealastic, 1" tube (Includes locking ferrule)
	70917770	1	RING, Sealastic, 1" tube (Includes slip ferrule)
17	74371027	2	□GASKET, line connecting elbow
18	------	-	TRANSFERS (See PAINTING AND MARKING)

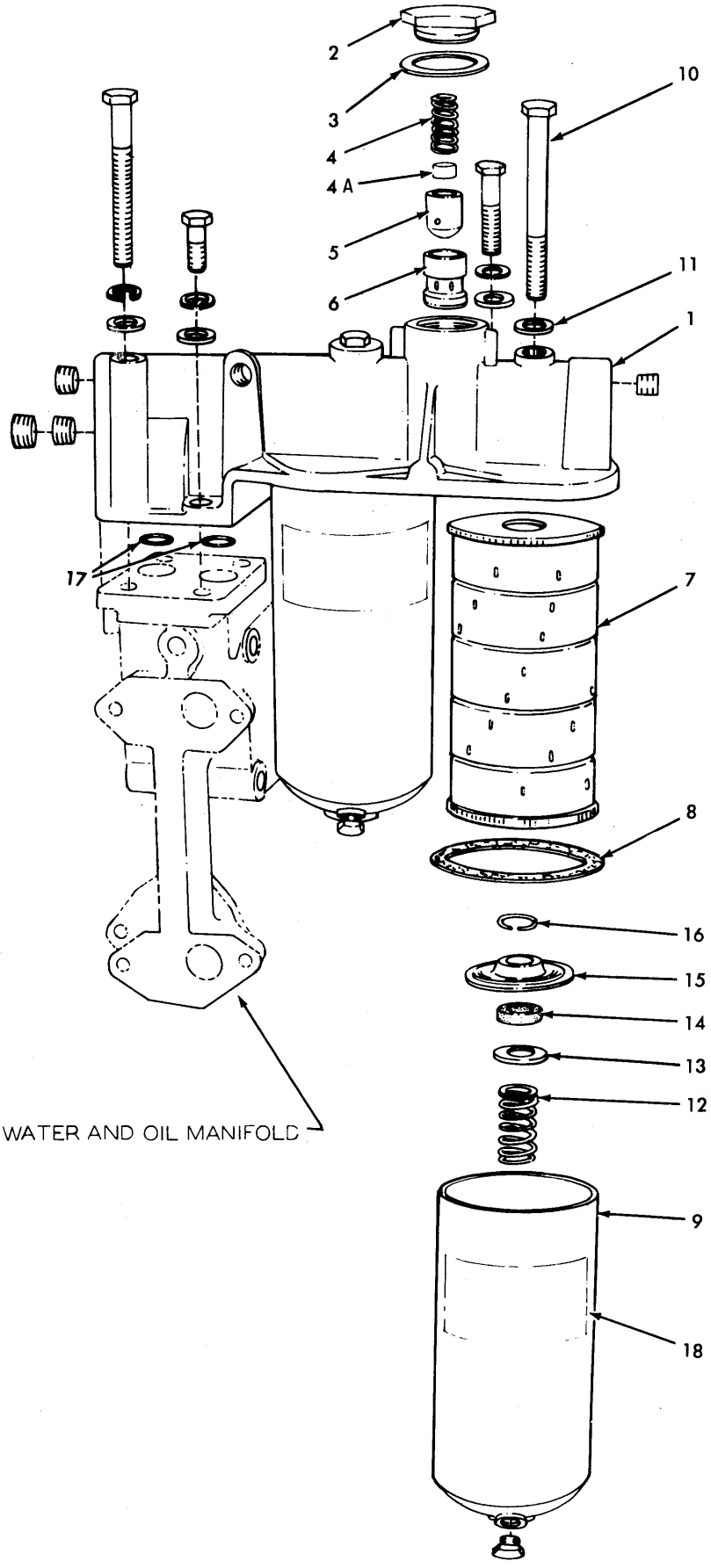


OIL FILTER (Second type)

OIL FILTER

USAGE: Tractors serial No. 4001 and up. Original equipment. Also see page 87B for later design used on service replacement engines.

ITEM	PART NO.	QTY.	DESCRIPTION
1	74385543	1	HEAD ASSY. (Includes items 2 thru 8)
	70918851	2	PLUG, pipe, hex-socket, 3/4"NPT
	70918887	1	PLUG, pipe, hex-socket, 3/8"NPT
	70915987	4	CAPSCREW, 1/2"NC x 1-1/2"
	70915969	2	CAPSCREW, 1/2"NC x 3"
	70904208	6	LOCKWASHER, 1/2"
2	74373610	1	CAP, by-pass valve
3	74253751	1	GASKET, by-pass valve cap
4	74335666	1	SPRING, by-pass valve
5	74373613	1	PISTON, by-pass valve
6	74373612	1	SLEEVE, by-pass valve piston
7	74373614	1	SEAT, by-pass valve
8	74378307	2	ADAPTER, center bolt
9	74371021	2	ELEMENT KIT (Includes item 11)
10	74372325	2	GASKET, filter body
11	74374735	2	BOLT, center
12	74041103	2	GASKET, center bolt
13	74335352	2	BODY
	70918951	2	PLUG, pipe, hex-hd., 3/8"NPT
14	74371036	2	SPRING, element
15	74348268	2	WASHER, element seal
16	74348270	2	SEAL, element
17	74348269	2	ADAPTER, element
18	74253195	2	RING, snap, center bolt
19	74252761	2	□O-RING, filter to manifold
20	--------	-	TRANSFERS (See PAINTING AND MARKING)
			NOTE: Following gaskets are used only when late type oil filter head is installed on older units. Not original equipment.
21	74388974	1	GASKET, filter head water and oil manifold
22	74388975	1	GASKET, shimming, filter head to water and oil manifold

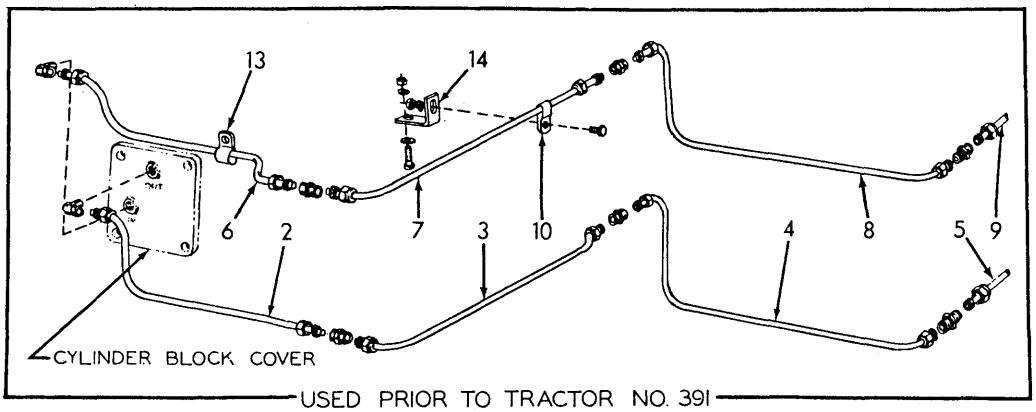


OIL FILTER (Third type)

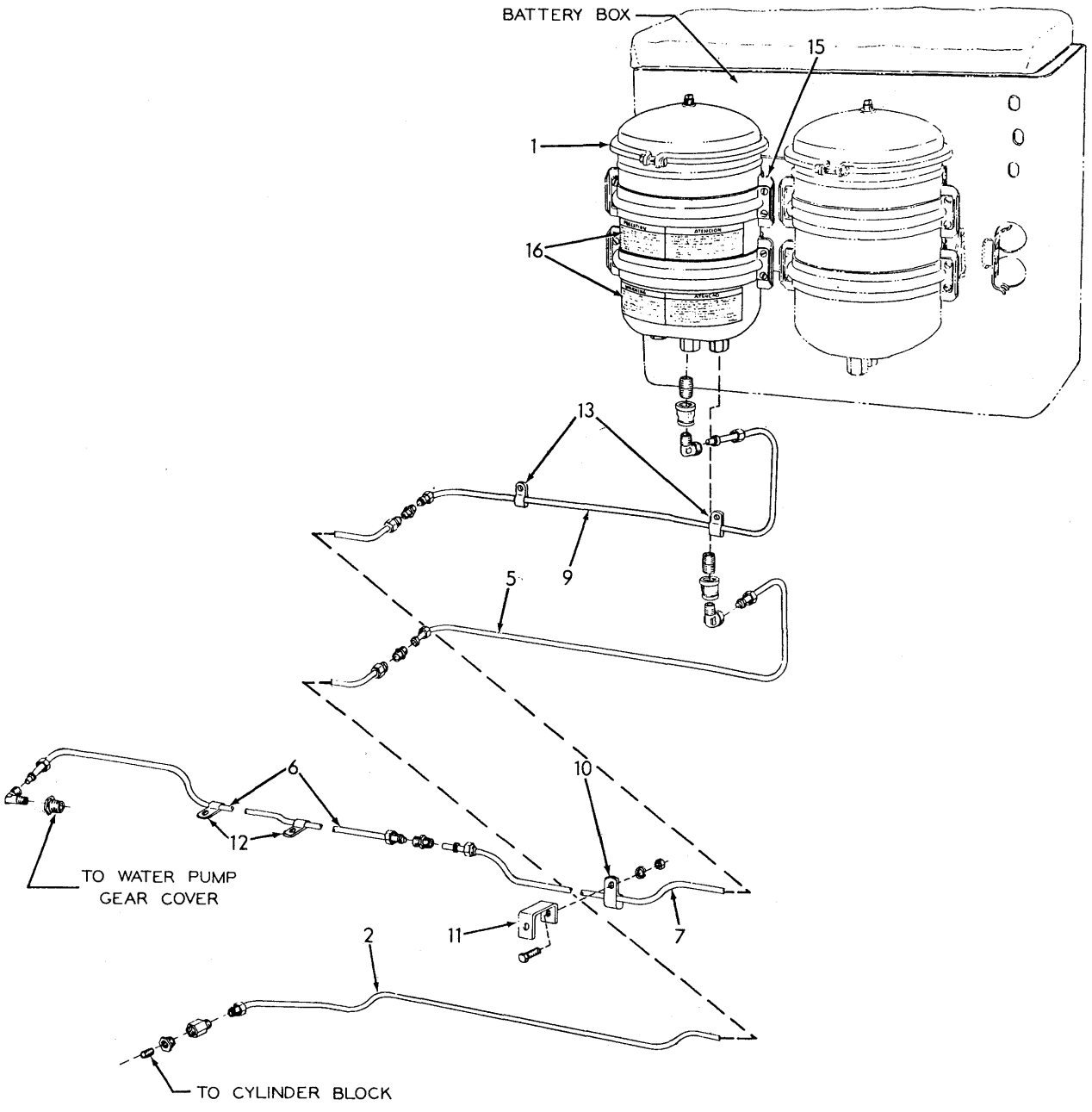
OIL FILTER

USAGE: Furnished on service replacement engines only. See page 87 for design used as original equipment.

ITEM	PART NO.	QTY.	DESCRIPTION
1	74391146	1	HEAD ASSY. (Includes items 2 thru 6; also PLUGS indented below)
	70918888	3	PLUG, pipe, hex-socket, 1"
	70918697	1	PLUG, pipe, hex-socket, 1-1/4"
	70916317	4	CAPSCREW, 1/2"NC x 2-3/4"
	70916323	2	CAPSCREW, 1/2"NC x 5-1/2"
	70904208	6	LOCKWASHER, 1/2"
	70912333	6	WASHER
2	74388810	1	CAP, by-pass valve
3	74388848	1	GASKET, by-pass valve cap
4	74335666	1	SPRING, by-pass valve
4A	74391038	1	SPACER, by-pass valve
5	74373613	1	PISTON, by-pass valve
6	74388809	1	SLEEVE, by-pass valve piston
7	74371021	2	ELEMENT KIT (Includes item 8)
8	74372325	2	GASKET, filter body
9	74339021	2	BODY
	70918951	2	PLUG, pipe, hex-hd., 3/8"NPT
10	74388836	2	CAPSCREW, body retaining
11	74376749	2	WASHER, sealing, body retaining capscrew
12	74379268	2	SPRING, element
13	74053410	2	WASHER, element seal
14	74053409	2	SEAL, element
15	74055971	2	ADAPTOR, element
16	74379269	2	RING, snap
17	70923718	2	O-RING, filter to manifold
18	--------	-	TRANSFER (See PAINTING AND MARKING)



USED PRIOR TO TRACTOR NO. 391



T-13136

HEAVY-DUTY OIL FILTER (First type. Models HD16A, AC, D, DC)

HEAVY DUTY OIL FILTER

USAGE: Special equipment. Applicable to Models HD16A, AC, D, DC tractors prior to serial No. 4001. Supplements standard oil filter

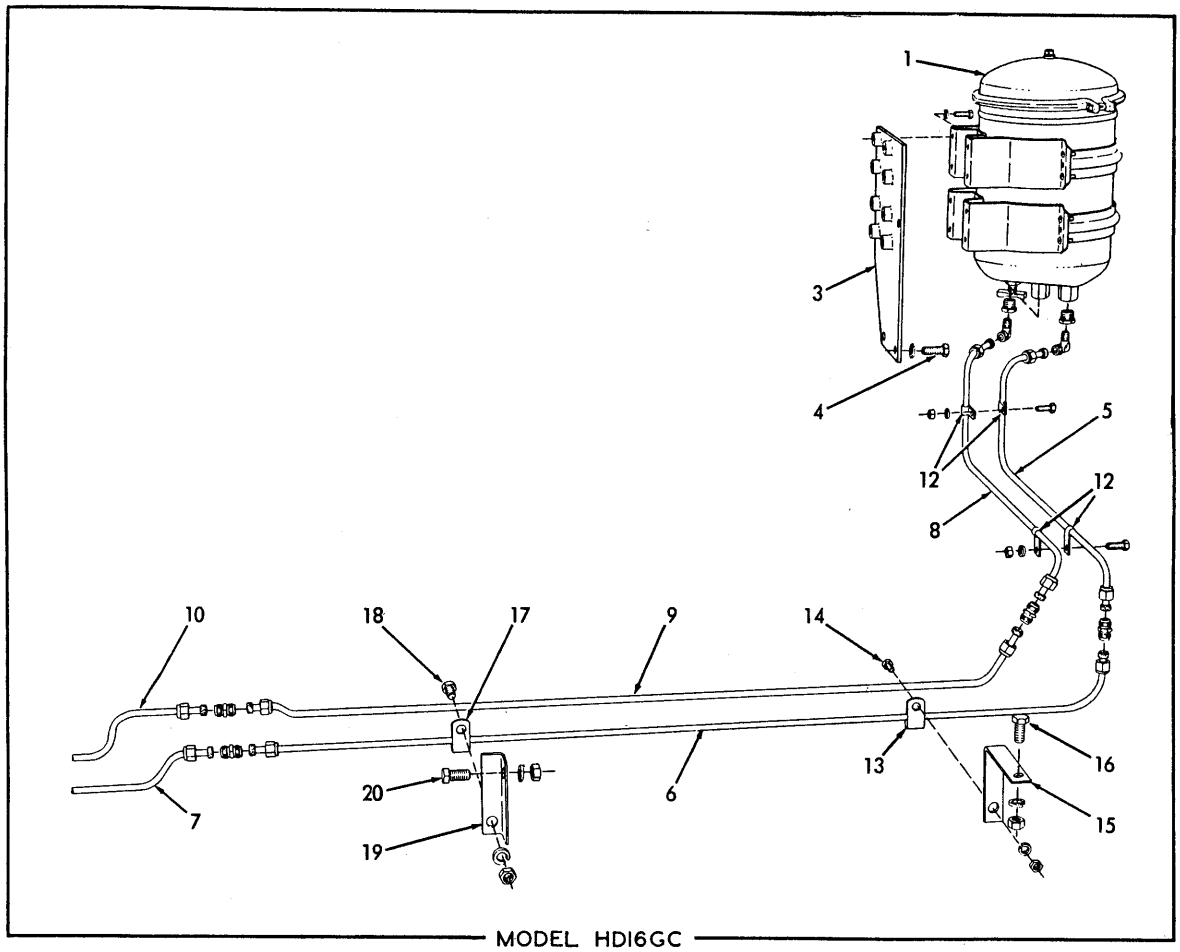
* Tractors prior to serial No. 391
** Tractors serial No. 391 and up

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70082442	1	1	FILTER ASSEMBLY, lubricating oil (See page 104 for parts)
	70901501	2	-	NIPPLE, pipe, 1/2"NPT x 1-1/2"
	70901500	-	2	NIPPLE, pipe, 1/2"NPT x 1-1/8"
	70917772	2	2	COUPLING, pipe reducing, 1/2"NPT to 1/4"NPT
	70911168	8	8	CAPSCREW, 5/16"NF x 7/8"
	70904205	8	8	LOCKWASHER, 5/16"
	70913636	8	8	NUT, 5/16"NF
2	------	1	-	TUBE, filter supply, front section (Use item 17 as req'd)
	70087101	-	1	TUBE, filter supply, front section
	70918325	2	2	NUT, Sealastic, 3/8" tube
	70915367	2	2	RING, Sealastic, 3/8" tube (Includes ferrule)
	70915369	1	-	ELBOW, Sealastic, 90°, 3/8" tube, 1/4"NPT male
	70901467	-	1	NIPPLE, pipe, 1/8"NPT x 3/4"
	70901825	-	1	BUSHING, pipe reducing, 1/4"NPT to 1/8"NPT
	70915760	-	1	CONNECTOR, Sealastic, 3/8" tube, 1/4"NPT female
3	------	1	-	TUBE, filter supply, intermediate front section (Use item 17 as req'd)
	70918325	2	-	NUT, Sealastic, 3/8" tube
	70915367	2	-	RING, Sealastic, 3/8" tube (Includes ferrule)
	70915386	2	-	UNION, Sealastic, 3/8" tube
4	------	1	-	TUBE, filter supply, intermediate rear section (Use item 17 as req'd)
	70918325	2	-	NUT, Sealastic, 3/8" tube
	70915367	2	-	RING, Sealastic, 3/8" tube (Includes ferrule)
	70915386	1	-	UNION, Sealastic, 3/8" tube
5	70084119	1	1	TUBE, filter supply, rear section
	70918325	2	2	NUT, Sealastic, 3/8" tube
	70915367	2	2	RING, Sealastic, 3/8" tube (Includes ferrule)
	70915369	1	1	ELBOW, Sealastic, 90°, 3/8" tube, 1/4"NPT male
	70915386	-	1	UNION, Sealastic, 3/8" tube
6	------	1	-	TUBE, filter return, front section (Use item 17 as req'd)
	70087102	-	1	TUBE, filter return, front section
	70918325	2	2	NUT, Sealastic, 3/8" tube
	70915367	2	2	RING, Sealastic, 3/8" tube (Includes ferrule)
	70915369	1	1	ELBOW, Sealastic, 90°, 3/8" tube, 1/4"NPT male
	70901826	-	1	BUSHING, pipe reducing, 3/8"NPT to 1/4"NPT (Used on early units only)
7	------	1	-	TUBE, filter return, intermediate front section (Use item 17 as req'd)
	70087103	-	1	TUBE, filter return, intermediate section
	70918325	2	2	NUT, Sealastic, 3/8" tube
	70915367	2	2	RING, Sealastic, 3/8" tube (Includes ferrule)
	70915386	2	2	UNION, Sealastic, 3/8" tube

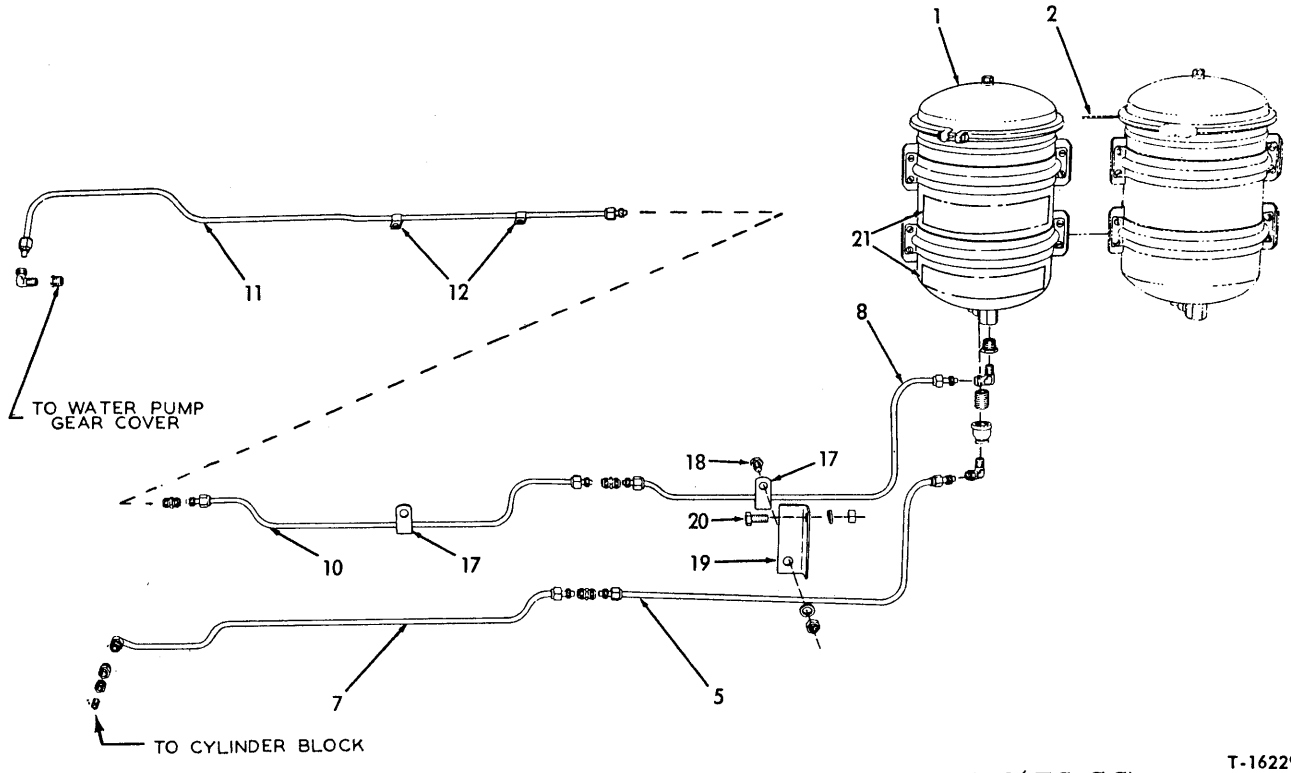
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HEAVY-DUTY OIL FILTER (Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
8	------	1	-	TUBE, filter return, intermediate rear section (Use item 17 as req'd)
	70918325	2	-	NUT, Sealastic, 3/8" tube
	70915367	2	-	RING, Sealastic, 3/8" tube (Includes ferrule)
	70915386	1	-	UNION, Sealastic, 3/8" tube
9	70084118	1	1	TUBE, filter return, rear section
	70918325	2	2	NUT, Sealastic, 3/8" tube
	70915367	2	2	RING, Sealastic, 3/8" tube (Includes ferrule)
	70915369	1	1	ELBOW, Sealastic, 90°, 3/8" tube, 1/4"NPT male
10	70040811	1	1	CLIP, tube supporting (For two 3/8" diam. lines, 17/32" bolt-hole)
	70910319	-	1	CAPSCREW, 1/2"NF x 1" } Used on tractors not equipped with torque converter
	70904208	-	1	LOCKWASHER, 1/2" }
	70911043	-	1	NUT, 1/2"NF }
	70087228	-	1	BRACKET, clip supporting (Used prior to tractor #2508 excluding #2506. For use without torque converter. Has 9/16" bolt-hole)
11	70093239	-	1	BRACKET, clip supporting (Effective with tractor #2508 including #2506. For use without torque converter. Has 7/16" bolt-hole)
	70035979	-	1	CAPSCREW, 3/8"NF x 5/8"
	70904206	-	1	LOCKWASHER, 3/8"
12	70040796	-	2	CLIP, tube supporting (3/8" diam., 13/32" bolt-hole)
13	70055676	3	2	CLIP, tube supporting (For two 3/8" diam. lines, 13/32" bolt-hole)
	70912743	1	-	CAPSCREW, 3/8"NF x 5/8"
	70900817	1	-	WASHER, plain, U.S. std., 3/8"
	70911041	1	-	NUT, 3/8"NF
14	------	1	-	BRACKET, tube supporting (Not serviced)
	70912185	1	-	CAPSCREW, 3/8"NF x 1-1/8"
	70900817	1	-	WASHER, plain, U.S. std., 3/8"
	70904206	1	-	LOCKWASHER, 3/8"
	70911041	1	-	NUT, 3/8"NF
15	------	1	1	BRACKET, filter mounting (See HEAVY-DUTY FUEL FILTER)
16	------	-	-	TRANSFERS (See PAINTING AND MARKING)
17	70065053	-	-	TUBING, copper, 3/8"O.D., 35 ft. roll (Use as req'd)(Not illustrated)



MODEL HDI6GC



T-16229

HEAVY-DUTY OIL FILTER (First type. Model HD16FC, GC)

HEAVY-DUTY OIL FILTER

USAGE: Special equipment. Applicable to Models HD16FC, GC tractors prior to serial No. 4001. Supplements standard oil filter

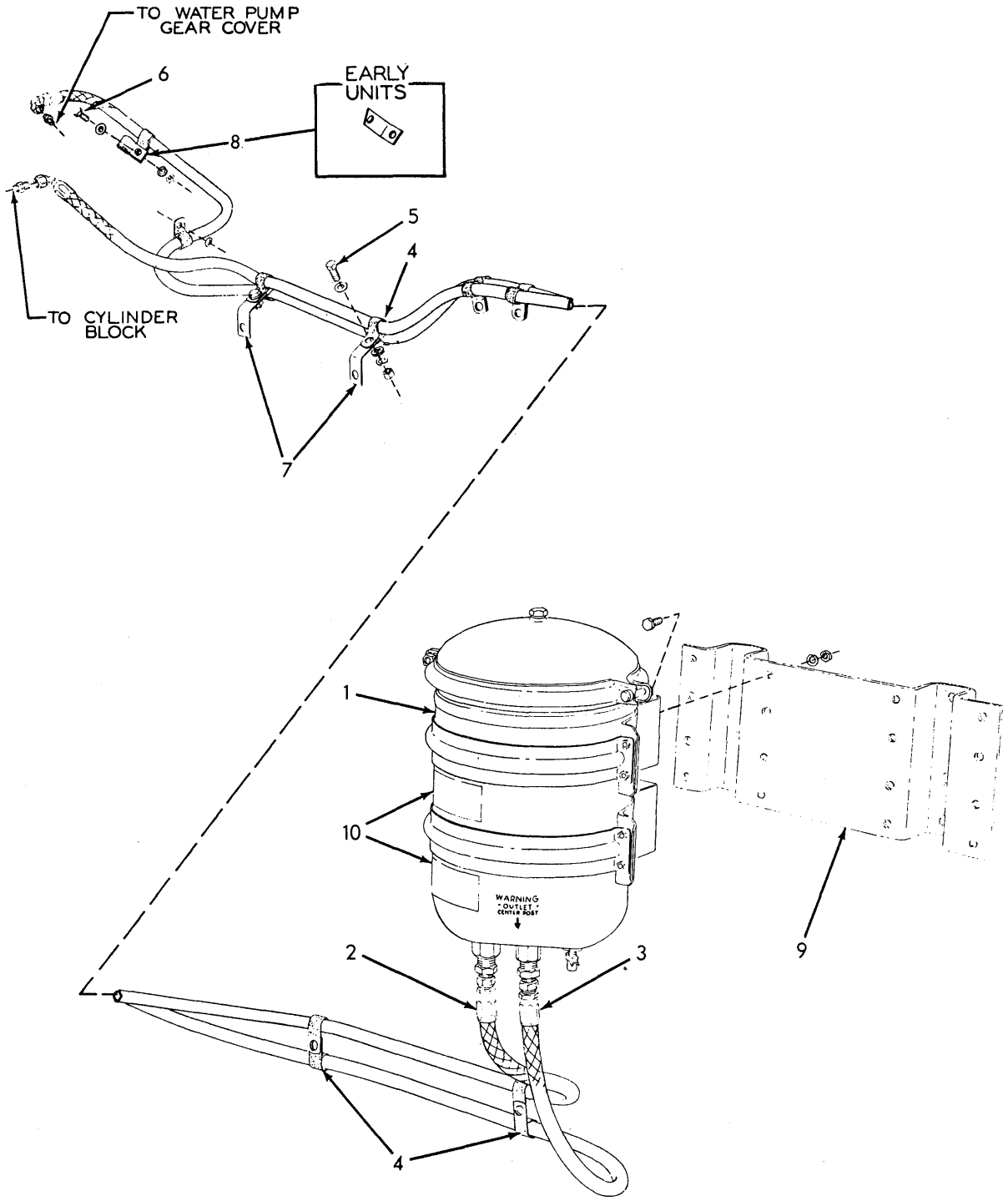
* Model HD16FC
** Model HD16GC

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70082442	1	1	FILTER ASSEMBLY, lubricating oil (See page 104 for parts)
	70911168	8	8	CAPSCREW, 5/16"NF x 7/8"
	70904205	8	8	LOCKWASHER, 5/16"
	70913636	8	-	NUT, 5/16"NF
2	------	1	-	BRACKET, filter mounting (See HEAVY-DUTY FUEL FILTER)
3	70091819	-	1	BRACKET, filter mounting
4	70035525	-	4	CAPSCREW, 1/2"NF x 1-1/8"
	70904208	-	4	LOCKWASHER, 1/2"
5	70090041	1	-	TUBE, filter supply, rear section
	70091927	-	1	TUBE, filter supply, rear section
	70918325	2	2	NUT, Sealastic, 3/8" tube
	70915367	2	2	RING, Sealastic, 3/8" tube (Includes ferrule)
	70915369	1	1	ELBOW, Sealastic, 90°, 3/8" tube, 1/4"NPT male
	70917772	1	-	COUPLING, pipe reducing, 1/2"NPT to 1/4"NPT
	70901500	1	-	NIPPLE, pipe, 1/2"NPT x 1-1/8"
	70901839	-	1	BUSHING, pipe reducing, 1/2"NPT to 1/4"NPT
6	70091933	-	1	TUBE, filter supply, center section
	70918325	-	2	NUT, Sealastic, 3/8" tube
	70915367	-	2	RING, Sealastic, 3/8" tube (Includes ferrule)
	70915386	-	1	UNION, Sealastic, 3/8" tube
7	70090042	1	1	TUBE, filter supply, front section
	70918325	2	2	NUT, Sealastic, 3/8" tube
	70915367	2	2	RING, Sealastic, 3/8" tube (Includes ferrule)
	70915386	1	1	UNION, Sealastic, 3/8" tube
	70915760	1	1	CONNECTOR, Sealastic, 3/8" tube, 1/4"NPT female
	70901825	1	1	BUSHING, pipe reducing, 1/4"NPT to 1/8"NPT
	70901467	1	1	NIPPLE, pipe, 1/8"NPT x 3/4"
8	70090038	1	-	TUBE, filter return, rear section
	70091928	-	1	TUBE, filter return, rear section
	70918325	2	2	NUT, Sealastic, 3/8" tube
	70915367	2	2	RING, Sealastic, 3/8" tube (Includes ferrule)
	70915369	1	1	ELBOW, Sealastic, 90°, 3/8" tube, 1/4"NPT male
	70901839	1	1	BUSHING, pipe reducing, 1/2"NPT to 1/4"NPT
9	70091934	-	1	TUBE, filter return, intermediate rear section
	70918325	-	2	NUT, Sealastic, 3/8" tube
	70915367	-	2	RING, Sealastic, 3/8" tube (Includes ferrule)
	70915386	-	1	UNION, Sealastic, 3/8" tube
10	70090039	1	1	TUBE, filter return, intermediate front section
	70918325	2	2	NUT, Sealastic, 3/8" tube
	70915367	2	2	RING, Sealastic, 3/8" tube (Includes ferrule)
	70915386	1	1	UNION, Sealastic, 3/8" tube

(Continued)

HEAVY-DUTY OIL FILTER (Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
11	70091053	1	1	TUBE, filter return, front section
	70918325	2	2	NUT, Sealastic, 3/8" tube
	70915367	2	2	RING, Sealastic, 3/8" tube (Includes ferrule)
	70915386	1	1	UNION, Sealastic, 3/8" tube
	70915369	1	1	ELBOW, Sealastic, 90°, 3/8" tube, 1/4"NPT male
	70901826	1	1	BUSHING, pipe reducing, 3/8"NPT to 1/4"NPT (Used on early units only)
12	70040796	2	6	CLIP, tube supporting (3/8" diam., 13/32" bolt-hole)
	70910922	-	2	CAPSCREW, 3/8"NF x 3/4"
	70904206	-	2	LOCKWASHER, 3/8"
	70911041	-	2	NUT, 3/8"NF
13	70042672	-	1	CLIP, tube supporting (For two 3/8" diam. tubes, 7/16" bolt-hole)
14	70036032	-	1	CAPSCREW, 3/8"NF x 3/4"
	70904206	-	1	LOCKWASHER, 3/8"
	70911041	-	1	NUT, 3/8"NF
15	70091492	-	1	ANGLE, clip supporting
16	70070467	-	1	CAPSCREW, 1/2"NF x 1"
	70904208	-	1	LOCKWASHER, 1/2"
	70911043	-	1	NUT, 1/2"NF
17	70040811	2	2	CLIP, tube supporting (For two 3/8" diam. tubes, 17/32" bolt-hole)
18	70070467	1	1	CAPSCREW, 1/2"NF x 1"
	70904208	1	1	LOCKWASHER, 1/2"
	70911043	1	1	NUT, 1/2"NF
19	70090043	1	1	ANGLE, clip supporting
20	70070467	1	1	CAPSCREW, 1/2"NF x 1"
	70904208	1	1	LOCKWASHER, 1/2"
	70911043	1	1	NUT, 1/2"NF
21	------	-	-	TRANSFERS (See PAINTING AND MARKING)



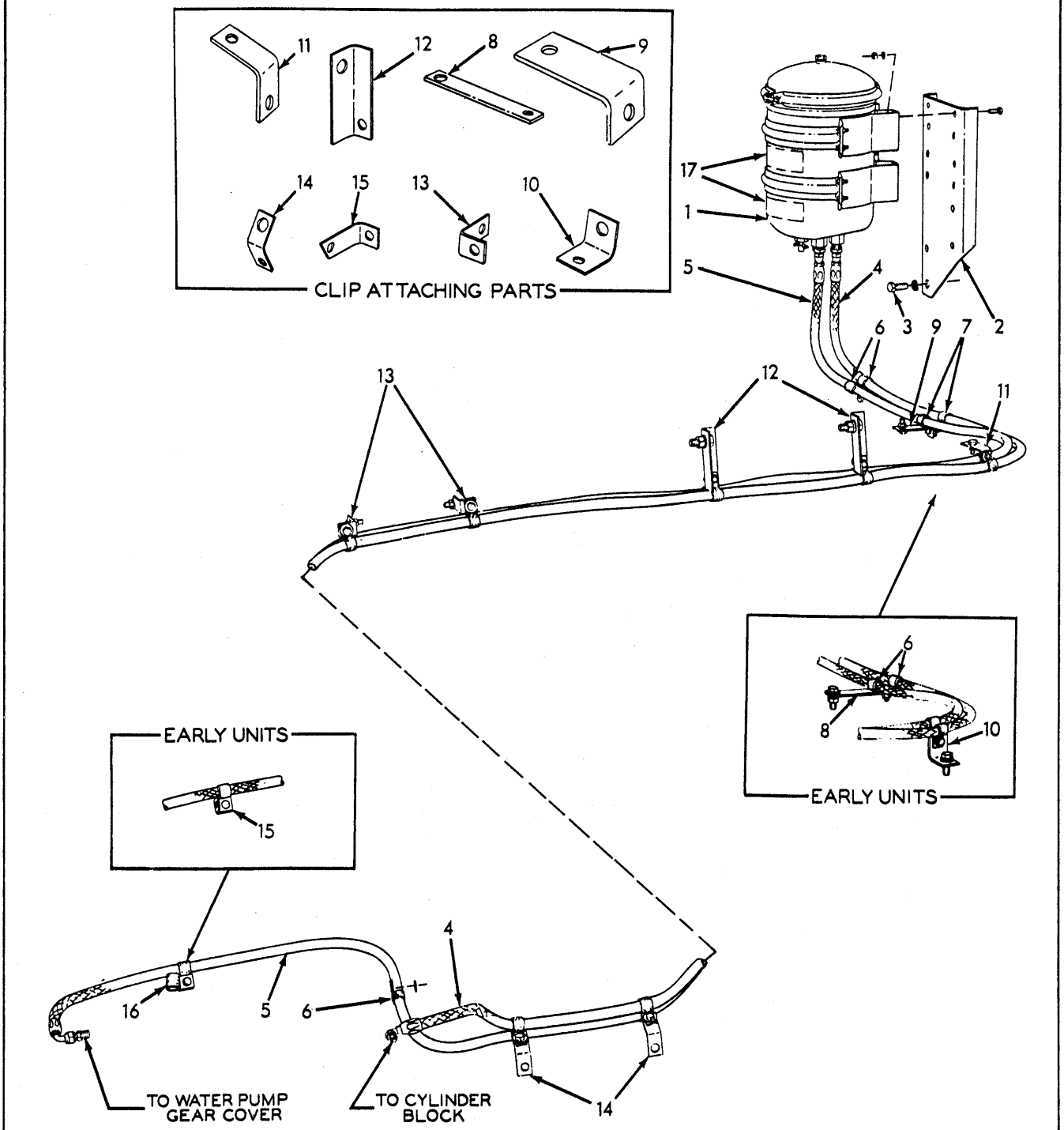
T-22590

HEAVY-DUTY OIL FILTER (Second type. Model HD16A, AC, D, DC)

HEAVY-DUTY OIL FILTER

USAGE: Special equipment. Applicable to Models HD16A, AC, D, DC tractors serial No. 4001 and up. Supplements standard oil filter

ITEM	PART NO.	QTY.	DESCRIPTION
1	70082442	1	FILTER ASSEMBLY, lubricating oil (See page 104 for parts)
	70911168	8	CAPSCREW, 5/16"NF x 7/8"
	70904205	8	LOCKWASHER, 5/16"
	70913636	8	NUT, 5/16"NF
2	70097655	1	HOSE ASSEMBLY, filter supply (See HOSE PARTS)
	70919062	1	CONNECTOR, flare type, 3/8" tube, 1/4"NPT male
	70919127	1	CONNECTOR, flare type, 3/8" tube, 1/2"NPT male
3	70097656	1	HOSE ASSEMBLY, filter return (See HOSE PARTS)
	70919062	1	CONNECTOR, flare type, 3/8" tube, 1/4"NPT male
	70919127	1	CONNECTOR, flare type, 3/8" tube, 1/2"NPT male
4	70094422	14	CLIP, hose supporting
5	70036034	2	CAPSCREW, 3/8"NF x 1"
6	70035167	1	CAPSCREW, 3/8"NF x 7/8"
	70911115	5	WASHER, plain, SAE std., 3/8"
	70904206	3	LOCKWASHER, 3/8"
	70911041	3	NUT, 3/8"NF
7	70096935	2	ANGLE, clip attaching (Attached to cylinder block)
8	70094580	1	ANGLE, clip attaching (Attached to water pump) (Used prior to tractor #5418)
	70615902	1	CLIP, hose supporting (Attached to water by-pass tube) (Effective with tractor #5418)
9	------	1	BRACKET, filter mounting (See HEAVY-DUTY FUEL FILTER)
10	------	-	TRANSFERS (See PAINTING AND MARKING)



HEAVY-DUTY OIL FILTER (Second type. Model HD16FC) T-22591

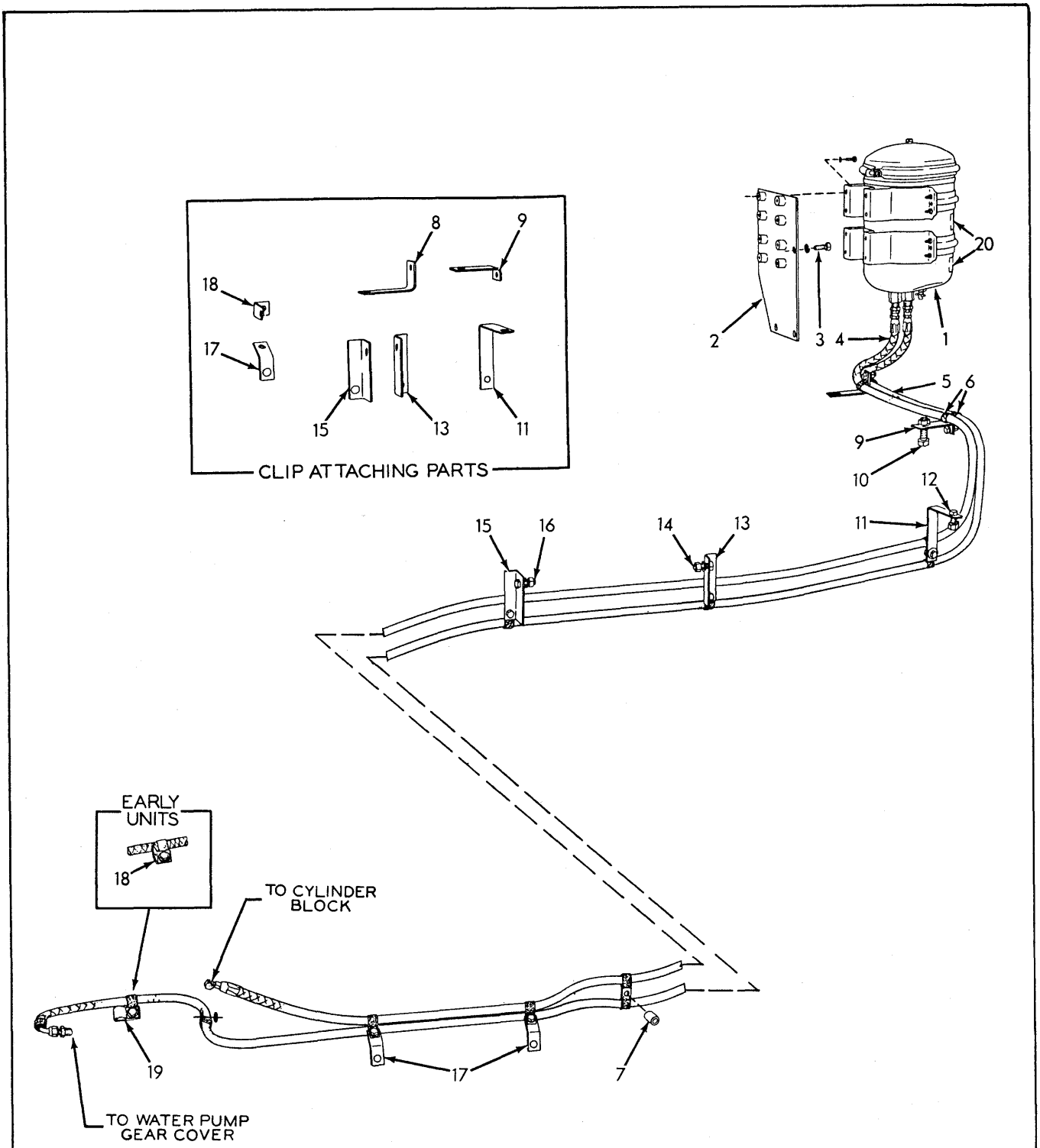
HEAVY-DUTY OIL FILTER

USAGE: Special equipment. Applicable to Model HD16FC tractors serial No. 4001 and up. Supplements standard oil filter

* Tractors prior to serial No. 5154
** Tractors serial No. 5154 and up

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70082442	1	1	FILTER ASSEMBLY, lubricating oil (See page 104 for parts)
	70911168	8	8	CAPSCREW, 5/16"NF x 7/8"
	70904205	8	8	LOCKWASHER, 5/16"
	70913636	8	8	NUT, 5/16"NF
2	70094956	1	1	BRACKET, filter mounting
3	70035061	4	4	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	4	4	LOCKWASHER, 1/2"
4	70097656	1	-	HOSE ASSEMBLY, filter supply (See HOSE PARTS)
	70624391	-	1	HOSE ASSEMBLY, filter supply (See HOSE PARTS)
	70919127	1	1	CONNECTOR, flare type, 3/8" tube, 1/2"NPT male
	70919062	1	1	CONNECTOR, flare type, 3/8" tube, 1/4"NPT male
5	70097649	1	-	HOSE ASSEMBLY, filter return (See page 6 for parts)
	70624392	-	1	HOSE ASSEMBLY, filter return (See page 6 for parts)
	70919127	1	1	CONNECTOR, flare type, 3/8" tube, 1/2"NPT male
	70919062	1	1	CONNECTOR, flare type, 3/8" tube, 1/4"NPT male
6	70094422	18	18	CLIP, hose supporting (21/32" diam., 13/32" bolt-hole)
	70036034	9	8	CAPSCREW, 3/8"NF x 1"
	70036039	-	1	CAPSCREW, 3/8"NF x 1-3/8"
	70911115	17	17	WASHER, plain, SAE std., 3/8"
	70904206	9	9	LOCKWASHER, 3/8"
	70911041	9	8	NUT, 3/8"NF
7	70094467	-	2	CLIP, hose supporting (3/4" diam., 13/32" bolt-hole)
	70036034	-	1	CAPSCREW, 3/8"NF x 1"
	70911115	-	2	WASHER, plain, SAE std., 3/8"
	70904206	-	1	LOCKWASHER, 3/8"
	70911041	-	1	NUT, 3/8"NF
8	70094957	1	-	PLATE, clip attaching
	70614478	1	-	CAPSCREW, 1/2"NF x 1-3/8"
	70064531	1	-	WASHER, plain
	70904208	1	-	LOCKWASHER, 1/2"
	70911043	1	-	NUT, 1/2"NF
9	70094903	-	1	ANGLE, clip attaching
	70023465	-	1	CAPSCREW, 5/8"NF x 1-3/4"
	70904209	-	1	LOCKWASHER, 5/8"
	70911044	-	1	NUT, 5/8"NF
10	70088350	1	-	ANGLE, clip attaching (Attached to steering clutch housing)
	70035525	1	-	CAPSCREW, 1/2"NF x 1-1/8"
	70904208	1	-	LOCKWASHER, 1/2"
11	70624393	-	1	ANGLE, clip attaching (Attached to floor channel)
	70070467	-	1	CAPSCREW, 1/2"NF x 1"
	70904208	-	1	LOCKWASHER, 1/2"
	70911043	-	1	NUT, 1/2"NF

(Continued)



T-22592

HEAVY-DUTY OIL FILTER (Second type. Model HD16GC)

HEAVY-DUTY OIL FILTER (Continued)

USAGE: Special equipment. Applicable to Model HD16FC tractors serial No. 4001 and up. Supplements standard oil filter

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
12	70094668	2	2	ANGLE, clip attaching (Attached to floor channels)
	70070469	2	2	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	2	2	LOCKWASHER, 1/2"
	70911043	2	2	NUT, 1/2"NF
13	70094839	2	2	ANGLE, clip attaching (Attached to cowl)
	70036034	2	2	CAPSCREW, 3/8"NF x 1"
	70904206	2	2	LOCKWASHER, 3/8"
	70911041	2	2	NUT, 3/8"NF
14	70096935	2	2	ANGLE, clip attaching (Attached to cylinder block)
15	70094580	1	1	ANGLE, clip attaching (Attached to water pump)(Used prior to tractor #5418)
16	70615902	-	1	CLIP, hose supporting (Attached to water by-pass tube)(Effective with tractor #5418)
17	------	-	-	TRANSFERS (See PAINTING AND MARKING)

HEAVY-DUTY OIL FILTER

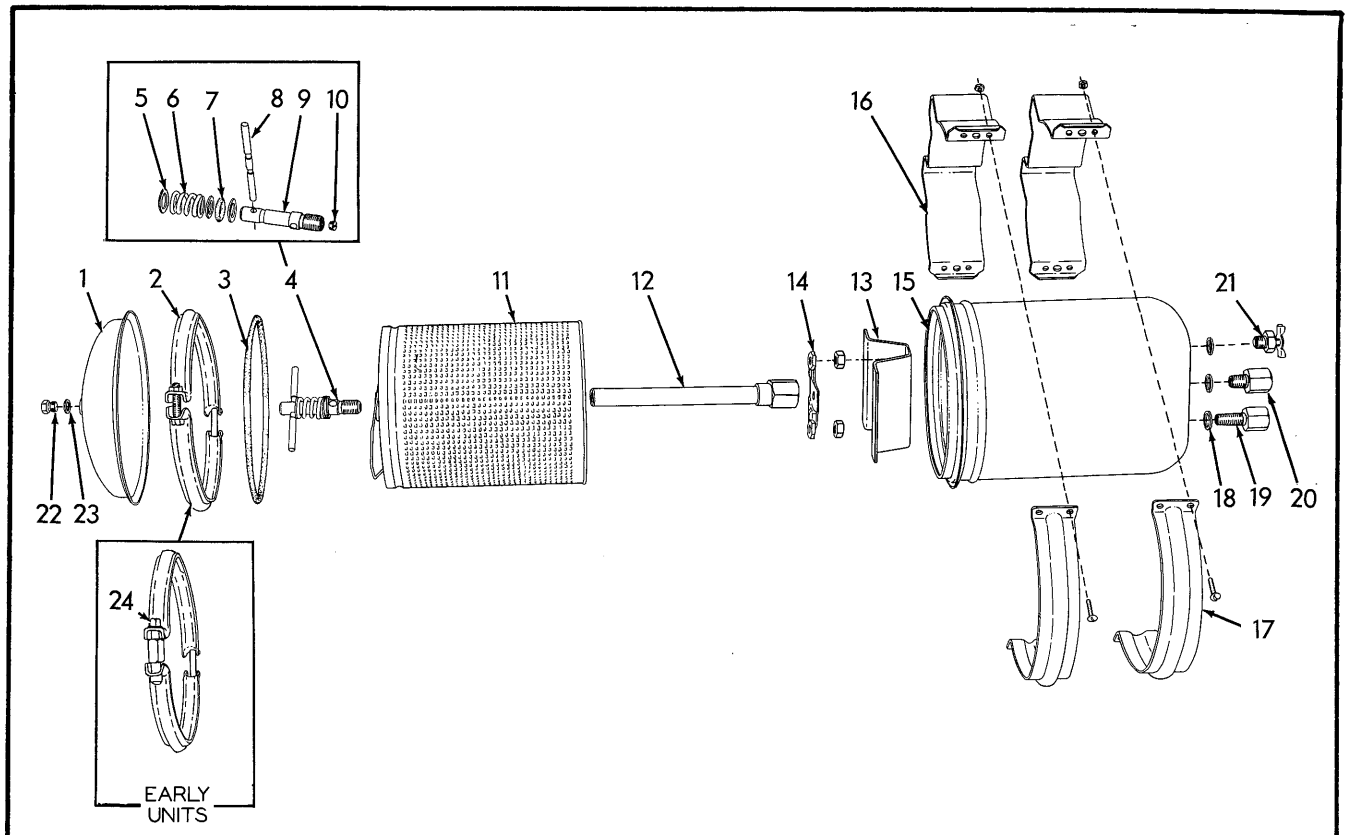
USAGE: Special equipment. Applicable to Model HD16GC tractors serial No. 4001 and up. Supplements standard oil filter

ITEM	PART NO.	QTY.	DESCRIPTION
1	70082442	1	FILTER ASSEMBLY, lubricating oil (See page 104 for parts)
	70911168	8	CAPSCREW, 5/16"NF x 7/8"
	70904205	8	LOCKWASHER, 5/16"
2	70091819	1	BRACKET, filter mounting
3	70035525	4	CAPSCREW, 1/2"NF x 1-1/8"
	70904208	4	LOCKWASHER, 1/2"
4	70097654	1	HOSE ASSEMBLY, filter supply (See HOSE PARTS) (Used prior to tractor #5154)
	70624172	1	HOSE ASSEMBLY, filter supply (See HOSE PARTS) (Effective with tractor #5154)
	70919127	1	CONNECTOR, flare type, 3/8" tube, 1/2"NPT male
	70919062	1	CONNECTOR, flare type, 3/8" tube, 1/4"NPT male
5	70097653	1	HOSE ASSEMBLY, filter return (See HOSE PARTS) (Used prior to tractor #5154)
	70624171	1	HOSE ASSEMBLY, filter return (See HOSE PARTS) (Effective with tractor #5154)
	70919127	1	CONNECTOR, flare type, 3/8" tube, 1/2"NPT male
	70919062	1	CONNECTOR, flare type, 3/8" tube, 1/4"NPT male

(Continued)

HEAVY-DUTY OIL FILTER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
6	70094422	18	CLIP, hose supporting
	70036034	8	CAPSCREW, 3/8"NF x 1"
	70914339	1	CAPSCREW, 3/8"NF x 2-3/4"
	70911115	12	WASHER, plain, SAE std., 3/8"
	70904206	9	LOCKWASHER, 3/8"
	70911041	8	NUT, 3/8"NF
7	70094756	1	BLOCK, clip spacing
8	70094961	1	ANGLE, clip attaching (Attached to hydraulic tank)
9	70094903	1	ANGLE, clip attaching (Attached to fuel tank channel)
10	70023465	1	CAPSCREW, 5/8"NF x 1-3/4"
	70904209	1	LOCKWASHER, 5/8"
	70911044	1	NUT, 5/8"NF
11	70091492	1	ANGLE, clip attaching (Attached to rear floor channel)
12	70070469	1	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
13	70094668	1	ANGLE, clip attaching (Attached to intermediate floor channel)
14	70070469	1	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
15	70090043	1	ANGLE, clip attaching (Attached to front floor channel)
16	70070469	1	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
17	70096935	2	ANGLE, clip attaching (Attached to cylinder block)
18	70094580	1	ANGLE, clip attaching (Attached to water pump)(Used prior to tractor #5418)
19	70615902	1	CLIP, hose supporting (Attached to water by-pass tube)(Effective with tractor #5418)
20	------	-	TRANSFERS (See PAINTING AND MARKING)



HEAVY-DUTY FILTER PARTS

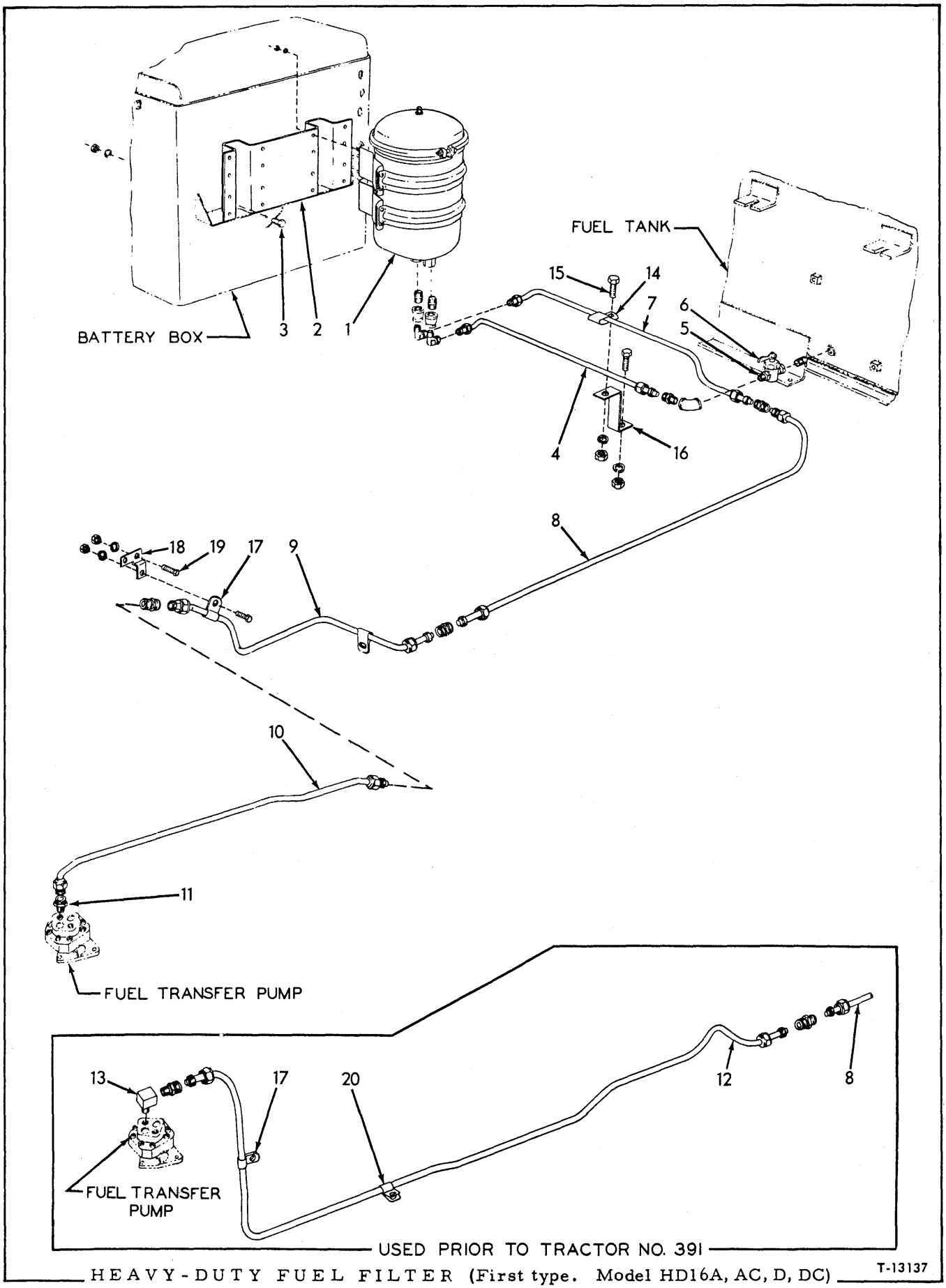
* 70082441 FILTER ASSEMBLY, fuel (See pages 107 thru 117)
** 70082442 FILTER ASSEMBLY, oil (See pages 89 thru 101)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70082505	1	1	COVER
2	70630540	1	1	RING ASSEMBLY, cover retaining
3	70082449	1	1	GASKET, cover
4	70082492	1	-	HOLD-DOWN ASSEMBLY, filter element (Includes items 5 thru 9)
	70082493	-	1	HOLD-DOWN ASSEMBLY, filter element (Includes items 5 thru 10)
5	70082489	3	3	WASHER, element hold-down
6	70082490	1	1	SPRING, element hold-down
7	70082487	1	1	SEAL, element hold-down
8	70082488	1	1	HANDLE, element hold-down
9	------	1	1	STUD, element hold-down (Not serviced separately)
10	70082491	-	1	PLUG, orifice, element hold-down
11	70091540	1	1	ELEMENT, filtering (Original equipment)
	70637957	1	1	ELEMENT, filtering (Optional)

(Continued)

HEAVY-DUTY FILTER PARTS (Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
12	70076668	1	1	TUBE ASSEMBLY, outlet (Includes nut)
13	70096816	1	1	SUPPORT, filter element
	70911049	2	2	NUT, jam, 5/8"NF
14	70096815	1	1	RETAINER, element support nut
15	------	1	1	HOUSING (Not serviced separately)
16	70082444	2	2	BRACKET, mounting
17	70082443	2	2	BAND, mounting bracket
	70900576	8	8	SCREW, machine, 1/4"NC x 3/4"
	70911024	8	8	NUT, 1/4"NC
18	70063891	3	3	GASKET
19	70063890	-	1	VALVE ASSEMBLY, inlet check (Includes 1 spring, 1 ring, 1 cup. Serviced only as a unit)
	70063889	1	-	BOLT, hollow
20	70080758	-	1	VALVE ASSEMBLY, outlet check (Includes 1 spring, 1 ring, 1 cup. Serviced only as a unit)
	70063889	1	-	BOLT, hollow
21	70094167	1	1	COCK, drain
22	70084897	1	1	PLUG, venting
23	70084899	1	1	WASHER, venting plug
24	70098038	1	1	BOLT ASSEMBLY, cover retaining ring (Includes nuts)(Early units only)



HEAVY-DUTY FUEL FILTER (First type. Model HD16A, AC, D, DC)

T-13137

HEAVY-DUTY FUEL FILTER

USAGE: Special equipment. Applicable to Models HD16A, AC, D, DC tractors prior to serial No. 4001. Replaces standard first stage fuel filter

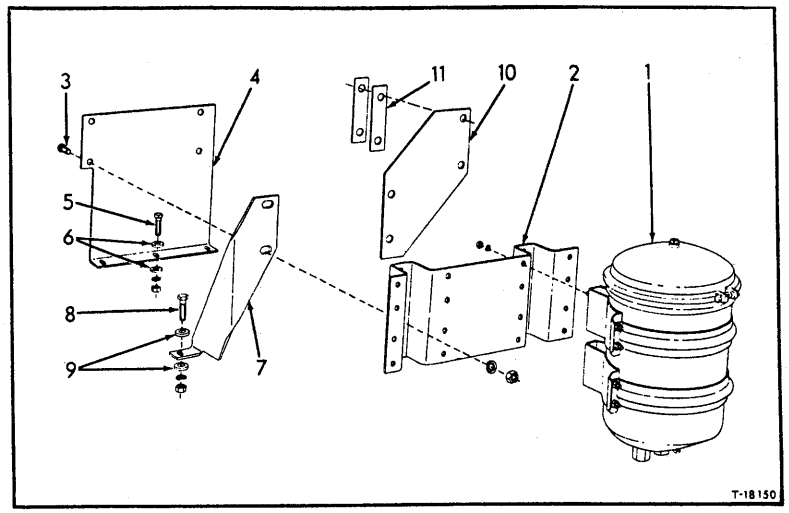
* Tractors prior to serial No. 391
** Tractors serial No. 391 and up

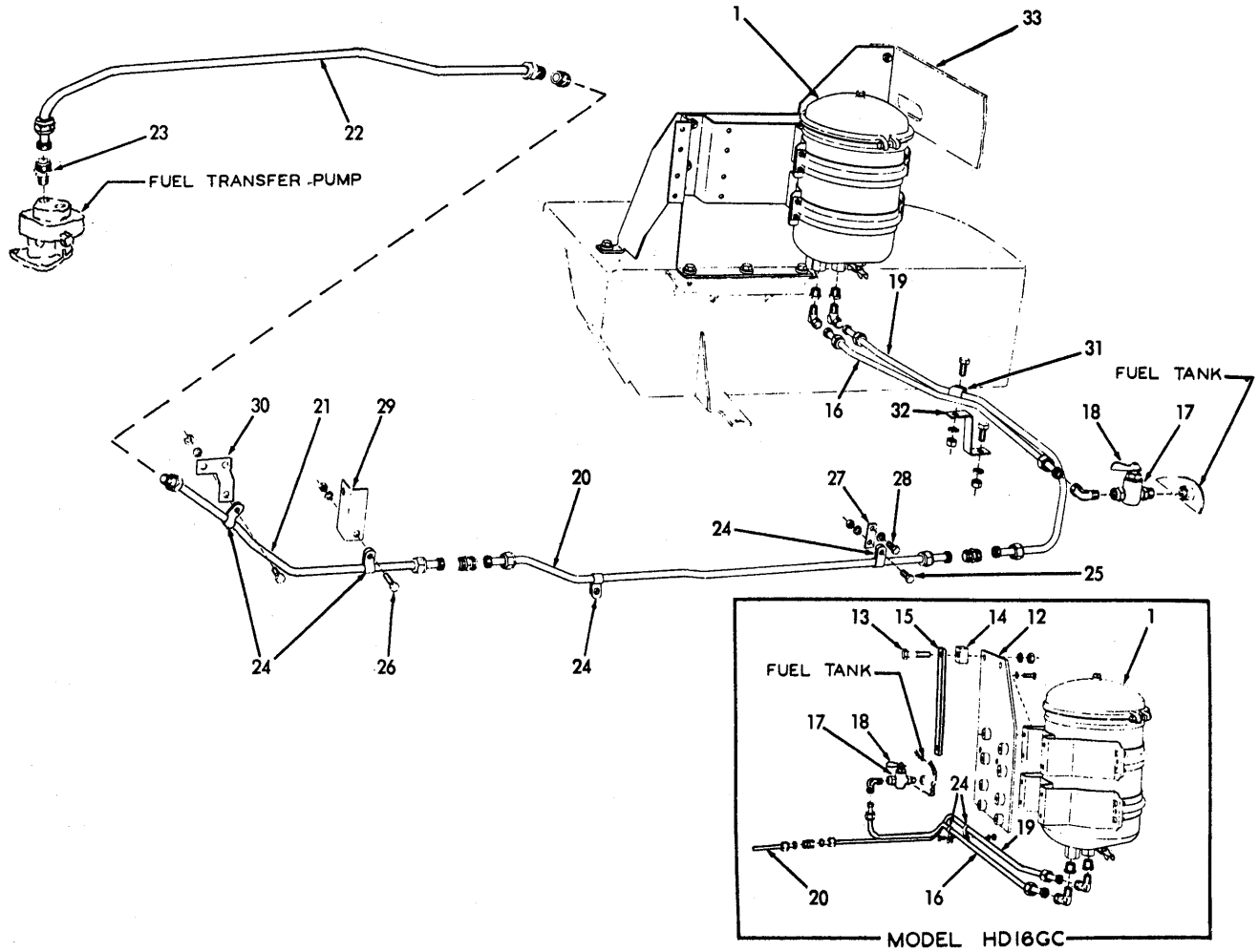
ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70082441	1	1	FILTER ASSEMBLY, fuel (See page 104 for parts)
	70911168	8	8	CAPSCREW, 5/16"NF x 7/8"
	70904205	8	8	LOCKWASHER, 5/16"
	70913636	8	8	NUT, 5/16"NF
	70901501	2	-	NIPPLE, pipe, 1/2"NPT x 1-1/2"
	70901500	-	2	NIPPLE, pipe, 1/2"NPT x 1-1/8"
	70904227	2	2	COUPLING, pipe reducing, 1/2"NPT to 3/8"NPT
2	70080459	1	1	BRACKET, filter mounting
3	70070467	4	4	CAPSCREW, 1/2"NF x 1"
	70904208	4	4	LOCKWASHER, 1/2"
	70911043	4	4	NUT, 1/2"NF
4	70084004	1	1	TUBE, tank to filter
	70918564	2	2	NUT, Sealastic, 1/2" tube
	70915377	2	2	RING, Sealastic, 1/2" tube (Includes ferrule)
	70915380	1	1	ELBOW, Sealastic, 90°, 1/2" tube, 3/8"NPT male
	70915378	1	1	CONNECTOR, Sealastic, 1/2" tube, 3/8"NPT male
5	70092727	1	1	COCK, fuel shut-off (3/8"NPT male and female. Includes item 6)
	70901489	1	1	NIPPLE, pipe, 3/8"NPT x 1"
	70901678	1	1	ELBOW, pipe, 90°, 3/8"NPT
6	70082189	1	1	HANDLE, fuel shut-off cock
7	70084006	1	1	TUBE, filter to transfer pump, rear section
	70918564	2	2	NUT, Sealastic, 1/2" tube
	70915377	2	2	RING, Sealastic, 1/2" tube (Includes ferrule)
	70915380	1	1	ELBOW, Sealastic, 90°, 1/2" tube, 3/8"NPT male
8	70084011	1	1	TUBE, filter to transfer pump, intermediate rear section
	70918564	2	2	NUT, Sealastic, 1/2" tube
	70915377	2	2	RING, Sealastic, 1/2" tube (Includes ferrule)
	70915379	2	2	UNION, Sealastic, 1/2" tube
9	70086978	-	1	TUBE, filter to transfer pump, intermediate front section
	70918564	-	2	NUT, Sealastic, 1/2" tube
	70915377	-	2	RING, Sealastic, 1/2" tube (Includes ferrule)
	70915379	-	1	UNION, Sealastic, 1/2" tube
10	74372728	-	1	LINE, filter to transfer pump
	70918564	-	2	NUT, Sealastic, 1/2" tube
	70915377	-	2	RING, Sealastic, 1/2" tube (Includes ferrule)
11	74254098	-	1	CONNECTOR, fuel line (Sealastic, 1/2" tube, 1/4"NPT male)
12	-------	1	-	TUBE, filter to transfer pump, front section (Use item 21 as req'd)
	70918564	2	-	NUT, Sealastic, 1/2" tube
	70915377	2	-	RING, Sealastic, 1/2" tube (Includes ferrule)
	70915378	1	-	CONNECTOR, Sealastic, 1/2" tube, 3/8"NPT male

(Continued)

HEAVY-DUTY FUEL FILTER (Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
13	70073068	1	-	ELBOW, fuel line (90°, 3/8"NPT female, 1/4"NPT male)
14	70060660	1	1	CLIP, tube supporting (For two 1/2" diam. lines, 17/32" bolt-hole)
15	70035067	1	-	CAPSCREW, 1/2"NF x 2"
	70910319	-	1	CAPSCREW, 1/2"NF x 1"
	70904208	1	1	LOCKWASHER, 1/2"
	70911043	1	1	NUT, 1/2"NF
16	70065785	1	-	BLOCK, clip spacing (1" long)
	70087317	-	1	BRACKET, clip supporting
	70910319	-	1	CAPSCREW, 1/2"NF x 1"
	70904208	-	1	LOCKWASHER, 1/2"
	70911043	-	1	NUT, 1/2"NF
17	70091046	1	1	CLIP, tube supporting (1/2" diam., 7/16" bolt-hole)
	70910922	-	1	CAPSCREW, 3/8"NF x 3/4"
	70904206	-	1	LOCKWASHER, 3/8"
	70911041	-	1	NUT, 3/8"NF
18	70086982	-	1	BRACKET, tube supporting clip
19	70036034	-	2	CAPSCREW, 3/8"NF x 1"
	70904206	-	2	LOCKWASHER, 3/8"
	70911041	-	2	NUT, 3/8"NF
20	70048145	1	-	CLIP, tube supporting (1/2" diam., 17/32" bolt-hole)
21	70065021	-	-	TUBING, copper, 1/2"O.D., 18 ft roll (Use as req'd)(Not illustrated)





T-18074

HEAVY-DUTY FUEL FILTER (First type. Model HD16FC, GC)

HEAVY-DUTY FUEL FILTER

USAGE: Special equipment. Applicable to Models HD16FC, GC tractors prior to serial No. 4001. Replaces standard first stage fuel filter

* Model HD16FC
** Model HD16GC

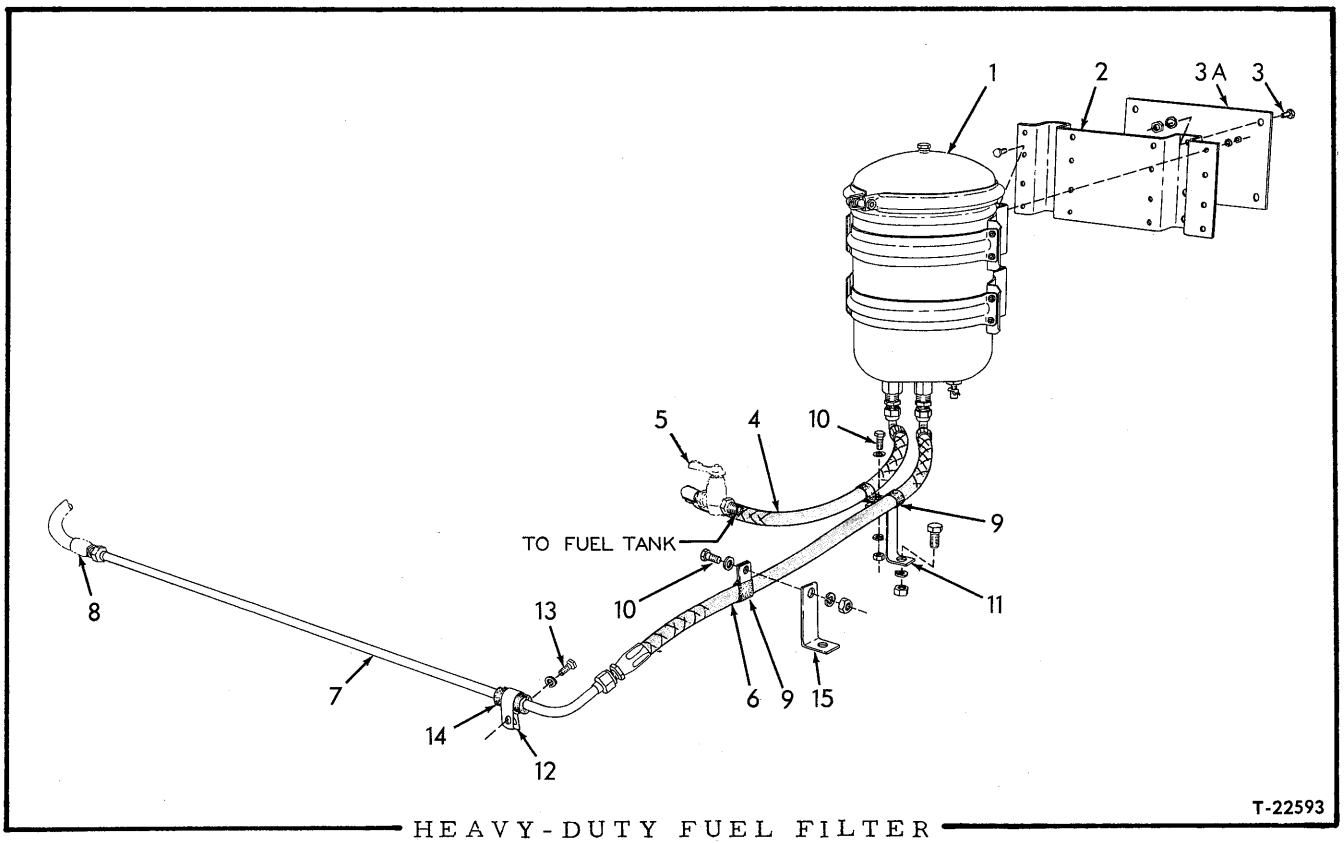
ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70082441	1	1	FILTER ASSEMBLY, fuel (See page 104 for parts)
	70911168	8	8	CAPSCREW, 5/16"NF x 7/8"
	70904205	8	8	LOCKWASHER, 5/16"
	70913636	8	-	NUT, 5/16"NF
2	70080459	1	-	BRACKET, filter mounting
3	70070469	4	-	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	4	-	LOCKWASHER, 1/2"
	70911043	4	-	NUT, 1/2"NF
4	70087878	1	-	BRACKET, bracing, fuel and oil filters
5	70035073	3	-	CAPSCREW, 1/2"NF x 1-3/4"
6	70064531	6	-	WASHER, plain
	70904208	3	-	LOCKWASHER, 1/2"
	70911043	3	-	NUT, 1/2"NF
7	70087879	1	-	BRACKET, bracing, oil filter
8	70035073	1	-	CAPSCREW, 1/2"NF x 1-3/4"
9	70064531	2	-	WASHER, plain
	70904208	1	-	LOCKWASHER, 1/2"
	70911043	1	-	NUT, 1/2"NF
10	70089250	1	-	PLATE, bracing, fuel filter
11	70087472	2	-	SHIM, spacing, bracing plate
12	70091819	-	1	BRACKET, filter mounting
13	70035067	-	4	CAPSCREW, 1/2"NF x 2"
	70904208	-	4	LOCKWASHER, 1/2"
	70911043	-	4	NUT, 1/2"NF
14	70075765	-	4	BLOCK, spacing, filter mounting bracket
15	70091491	-	2	PLATE, reinforcing
16	70090034	1	-	TUBE, tank to filter
	70091931	-	1	TUBE, tank to filter
	70918564	2	2	NUT, Sealastic, 1/2" tube
	70915377	2	2	RING, Sealastic, 1/2" tube (Includes ferrule)
	70915380	2	2	ELBOW, Sealastic, 90°, 1/2" tube, 3/8"NPT male
	70904271	1	1	BUSHING, pipe reducing, 1/2"NPT to 3/8"NPT
17	70092727	1	1	COCK, shut-off (3/8"NPT male and female. Includes item 18)
18	70082189	1	1	HANDLE, shut-off cock

(Continued)

HEAVY-DUTY FUEL FILTER (Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
19	70090035	1	-	TUBE, filter to transfer pump, rear section
	70091932	-	1	TUBE, filter to transfer pump, rear section
	70918564	2	2	NUT, Sealastic, 1/2" tube
	70915377	2	2	RING, Sealastic, 1/2" tube (Includes ferrule)
	70915380	1	1	ELBOW, Sealastic, 90°, 1/2" tube, 3/8"NPT male
	70915379	1	1	UNION, Sealastic, 1/2" tube
	70904271	1	1	BUSHING, pipe reducing, 1/2"NPT to 3/8"NPT
20	70090036	1	1	TUBE, filter to transfer pump, intermediate rear section
	70918564	2	2	NUT, Sealastic, 1/2" tube
	70915377	2	2	RING, Sealastic, 1/2" tube (Includes ferrule)
	70915379	1	1	UNION, Sealastic, 1/2" tube
21	70090037	1	1	TUBE, filter to transfer pump, intermediate front section
	70918564	2	2	NUT, Sealastic, 1/2" tube
	70915377	2	2	RING, Sealastic, 1/2" tube (Includes ferrule)
	70915379	1	1	UNION, Sealastic, 1/2" tube
22	74372728	1	1	LINE, filter to transfer pump, front section
	70918564	2	2	NUT, Sealastic, 1/2" tube
	70915377	2	2	RING, Sealastic, 1/2" tube (Includes ferrule)
23	74254098	1	1	CONNECTOR, front line (Sealastic, 1/2" tube, 1/4"NPT male)
24	70091046	4	6	CLIP, tube supporting (1/2" diam., 7/16" bolt-hole)
25	70035167	1	1	CAPSCREW, 3/8"NF x 7/8"
26	70035336	1	1	CAPSCREW, 3/8"NF x 1-3/4"
	70910922	1	2	CAPSCREW, 3/8"NF x 3/4"
	70904206	3	4	LOCKWASHER, 3/8"
	70911041	3	4	NUT, 3/8"NF
27	70089971	1	1	PLATE, clip attaching
28	70035167	1	1	CAPSCREW, 3/8"NF x 7/8"
	70904206	1	1	LOCKWASHER, 3/8"
29	70087968	-	1	ANGLE, clip supporting
30	70086982	1	1	BRACKET, clip supporting
	70910211	2	2	CAPSCREW, 3/8"NC x 1-1/8"
	70904206	2	2	LOCKWASHER, 3/8"
	70912772	2	2	NUT, jam, 3/8"NC
31	70060660	1	-	CLIP, tube supporting (For two 1/2" diam. lines, 17/32" bolt-hole)
	70910319	1	-	CAPSCREW, 1/2"NF x 1"
	70904208	1	-	LOCKWASHER, 1/2"
	70911043	1	-	NUT, 1/2"NF
32	70090044	1	-	BRACKET, clip supporting
	70910319	1	-	CAPSCREW, 1/2"NF x 1"
	70904208	1	-	LOCKWASHER, 1/2"
	70911043	1	-	NUT, 1/2"NF
33	------	-	-	BRACE (See SEAT)

MEMO



HEAVY-DUTY FUEL FILTER

USAGE: Special equipment. Applicable to Models HD16A, AC, D, DC tractors serial No. 4001 and up. Requires removal of first stage fuel filter element

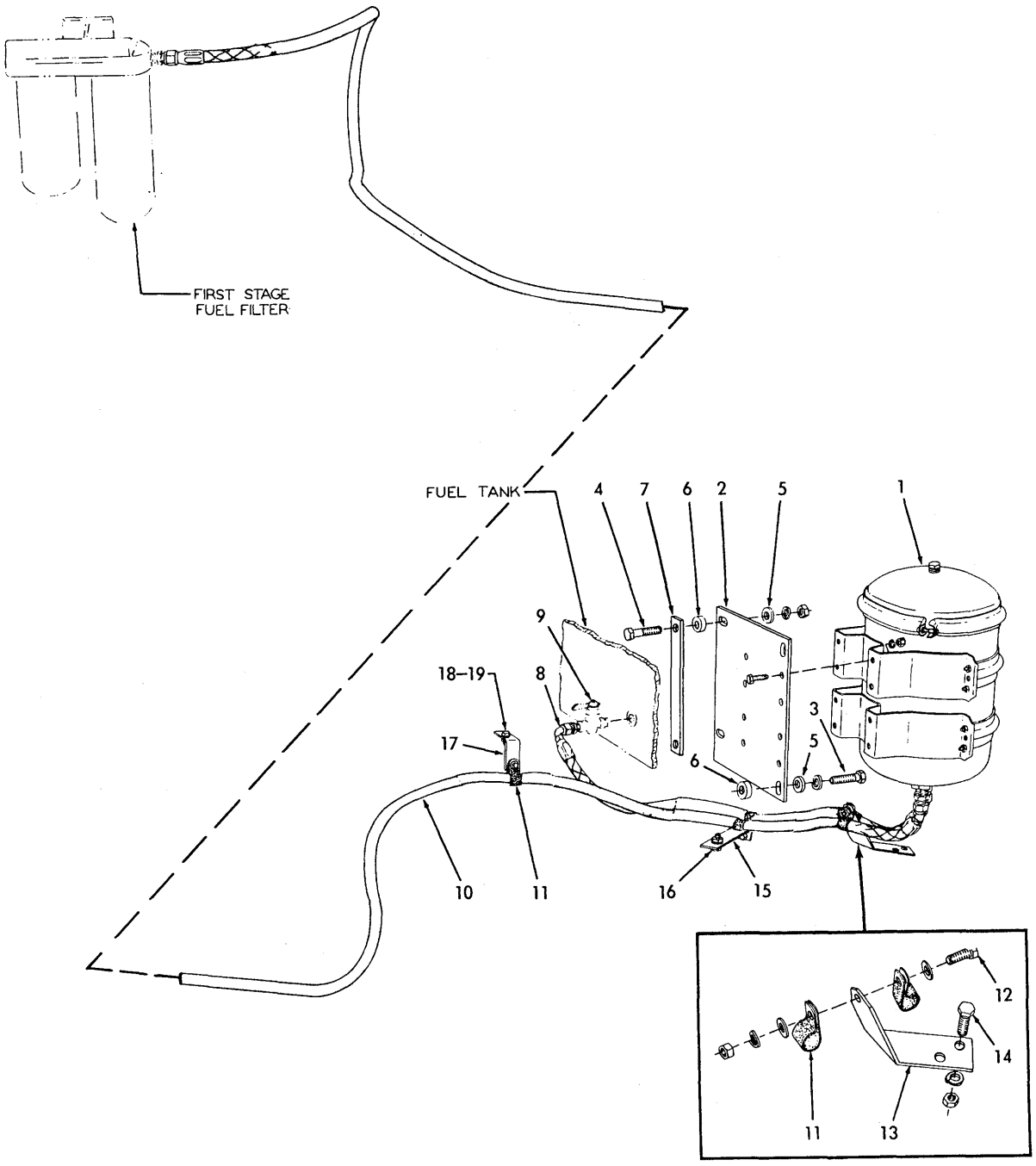
* Tractors prior to serial No. 5154, excluding No. 5104
** Tractors serial No. 5154 and up, including No. 5104

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
				NOTE: See FUEL SUPPLY LINES for additional clips and hardware not listed here.
1	70082441	1	1	FILTER ASSEMBLY, fuel (See page 104 for parts)
	70911168	8	8	CAPSCREW, 5/16"NF x 7/8"
	70904205	8	8	LOCKWASHER, 5/16"
	70913636	8	8	NUT, 5/16"NF
2	70080459	1	1	BRACKET, mounting (Also mounts Heavy-duty Oil Filter)
3	70070469	4	4	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	4	4	LOCKWASHER, 1/2"
	70911043	4	4	NUT, 1/2"NF
3A	70099310	1	1	PLATE, backing, battery box
4	70622692	1	1	HOSE ASSEMBLY, filter supply (See HOSE PARTS)
	70919206	1	1	ELBOW, flare type, 1/2" tube, 3/8"NPT
	70919128	1	1	CONNECTOR, flare type, 1/2" tube, 1/2"NPT male
5	------	-	-	COCK (See FUEL SUPPLY LINES)
6	70094566	1	-	HOSE ASSEMBLY, filter return (See page 6 for parts)
	70624394	-	1	HOSE ASSEMBLY, filter return (See page 6 for parts)
	70919128	1	1	CONNECTOR, flare type, 1/2" tube, 1/2"NPT male

(Continued)

HEAVY-DUTY FUEL FILTER (Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
7	70094572	1	-	TUBE ASSEMBLY, filter return (Includes nuts)(Replaces standard TUBE ASSEMBLY 70094221)
8	------	-	-	HOSE ASSEMBLY, front (See FUEL SUPPLY LINES)
9	70094467	2	3	CLIP, hose supporting (3/4" diam.)
10	70035167	1	2	CAPSCREW, 3/8"NF x 7/8"
	70911115	1	2	WASHER, plain, SAE std., 3/8"
	70904206	1	2	LOCKWASHER, 3/8"
	70911041	1	2	NUT, 3/8"NF
11	70094577	1	1	BRACKET, clip attaching (Not for tractors equipped with Bucket Seat)
	70910319	1	1	CAPSCREW, 1/2"NF x 1"
	70904208	1	1	LOCKWASHER, 1/2"
	70911043	1	1	NUT, 1/2"NF
	70095118	1	1	BRACKET, clip attaching (For tractors equipped with Bucket Seat)
12	70097534	1	-	CLIP, tube supporting (7/8" diam.)
13	70036034	1	-	CAPSCREW, 3/8"NF x 1"
	70904206	1	-	LOCKWASHER, 3/8"
14	70093752	1	-	BOOT, tube protecting
15	70624746	-	1	ANGLE, clip supporting



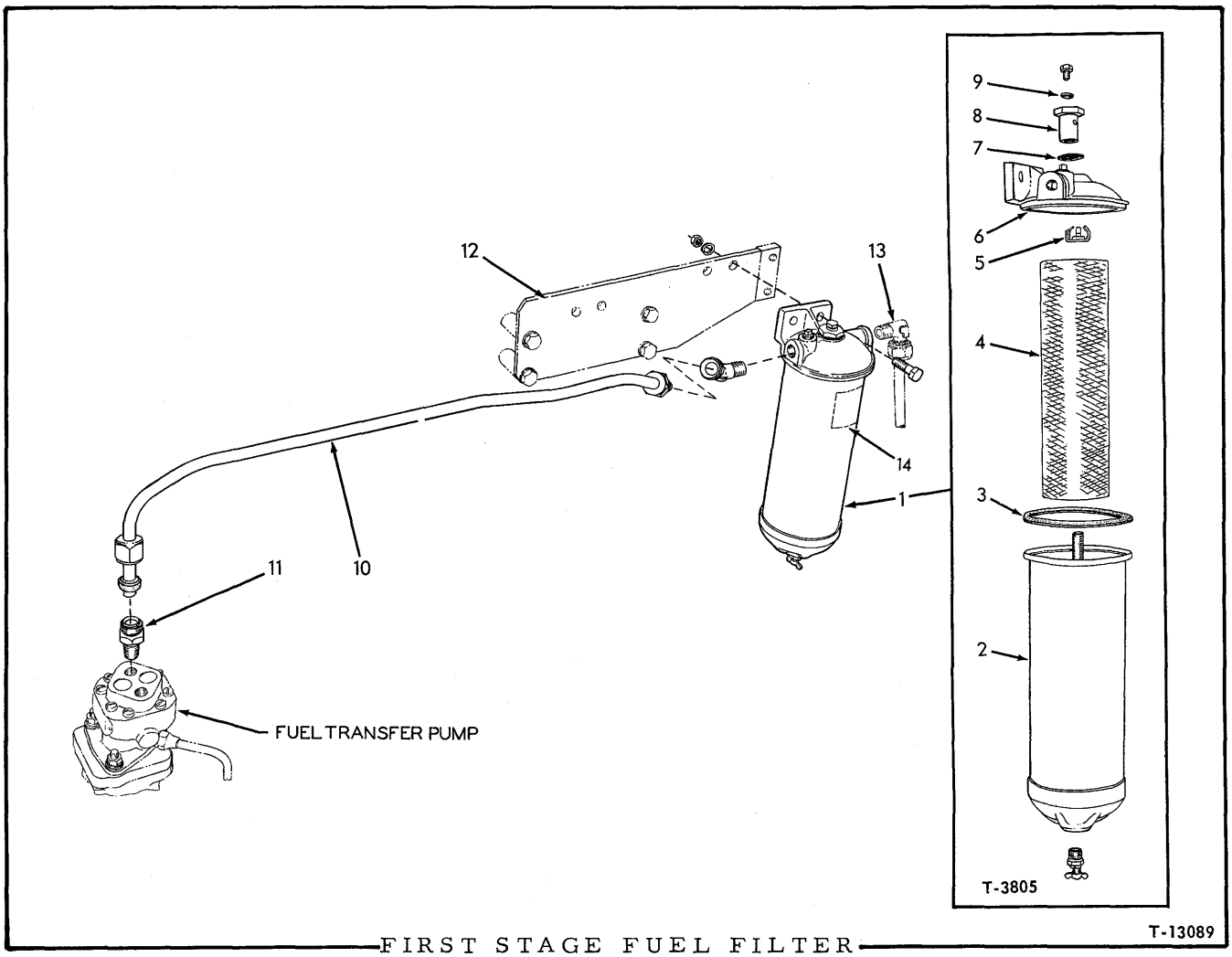
HEAVY-DUTY FUEL FILTER (Second type. Model HD16FC, GC)

T-19678

HEAVY-DUTY FUEL FILTER

USAGE: Special equipment. Applicable to Models HD16FC, GC tractors serial No. 4001 and up. Requires removal of first stage fuel filter element.

ITEM	PART NO.	QTY.	DESCRIPTION
			NOTE: See FUEL SUPPLY LINES for additional clips and hardware not listed here.
1	70082441	1	FILTER ASSEMBLY, fuel (See page 104 for parts)
	70911168	8	CAPSCREW, 5/16"NF x 7/8"
	70904205	8	LOCKWASHER, 5/16"
	70913636	8	NUT, 5/16"NF
2	70094959	1	PLATE, filter mounting
3	70035073	2	CAPSCREW, 1/2"NF x 1-3/4"
4	70035067	2	CAPSCREW, 1/2"NF x 2"
5	70064531	4	WASHER, plain
	70904208	4	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF
6	70604645	4	BOSS, mounting plate spacing
7	70091491	1	PLATE, reinforcing
8	70094941	1	HOSE ASSEMBLY, filter supply (See HOSE PARTS)
	70919128	1	CONNECTOR, flare type, 1/2" tube, 1/2"NPT male
	70919063	1	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
9	------	-	COCK (See FUEL SUPPLY LINES)
10	70097651	1	HOSE ASSEMBLY, filter return (Model HD16FC) (See HOSE PARTS)
10	70097652	1	HOSE ASSEMBLY, filter return (Model HD16GC) (See HOSE PARTS)
	70919128	1	CONNECTOR, flare type, 1/2" tube, 1/2"NPT male
	70919063	1	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
11	70094467	5	CLIP, hose supporting
12	70036034	3	CAPSCREW, 3/8"NF x 1"
	70911115	5	WASHER, plain, SAE std., 3/8" (1 less used on Model HD16GC)
	70904206	3	LOCKWASHER, 3/8"
	70911041	3	NUT, 3/8"NF
13	70094960	1	ANGLE, clip attaching (Attached to rear fender)
14	70036034	2	CAPSCREW, 3/8"NF x 1"
	70904206	2	LOCKWASHER, 3/8"
	70911041	2	NUT, 3/8"NF
15	70094903	1	ANGLE, clip attaching (Attached to fuel tank channel)
16	70023465	1	CAPSCREW, 5/8"NF x 1-3/4"
	70904209	1	LOCKWASHER, 5/8"
	70911044	1	NUT, 5/8"NF
17	70095029	1	ANGLE, clip attaching (Attached to floor channel)
18	70012992	1	CAPSCREW, 3/8"NF x 1-1/4"
19	70044973	1	WASHER, plain
	70904206	1	LOCKWASHER, 3/8"
	70911041	1	NUT, 3/8"NF



FIRST STAGE FUEL FILTER

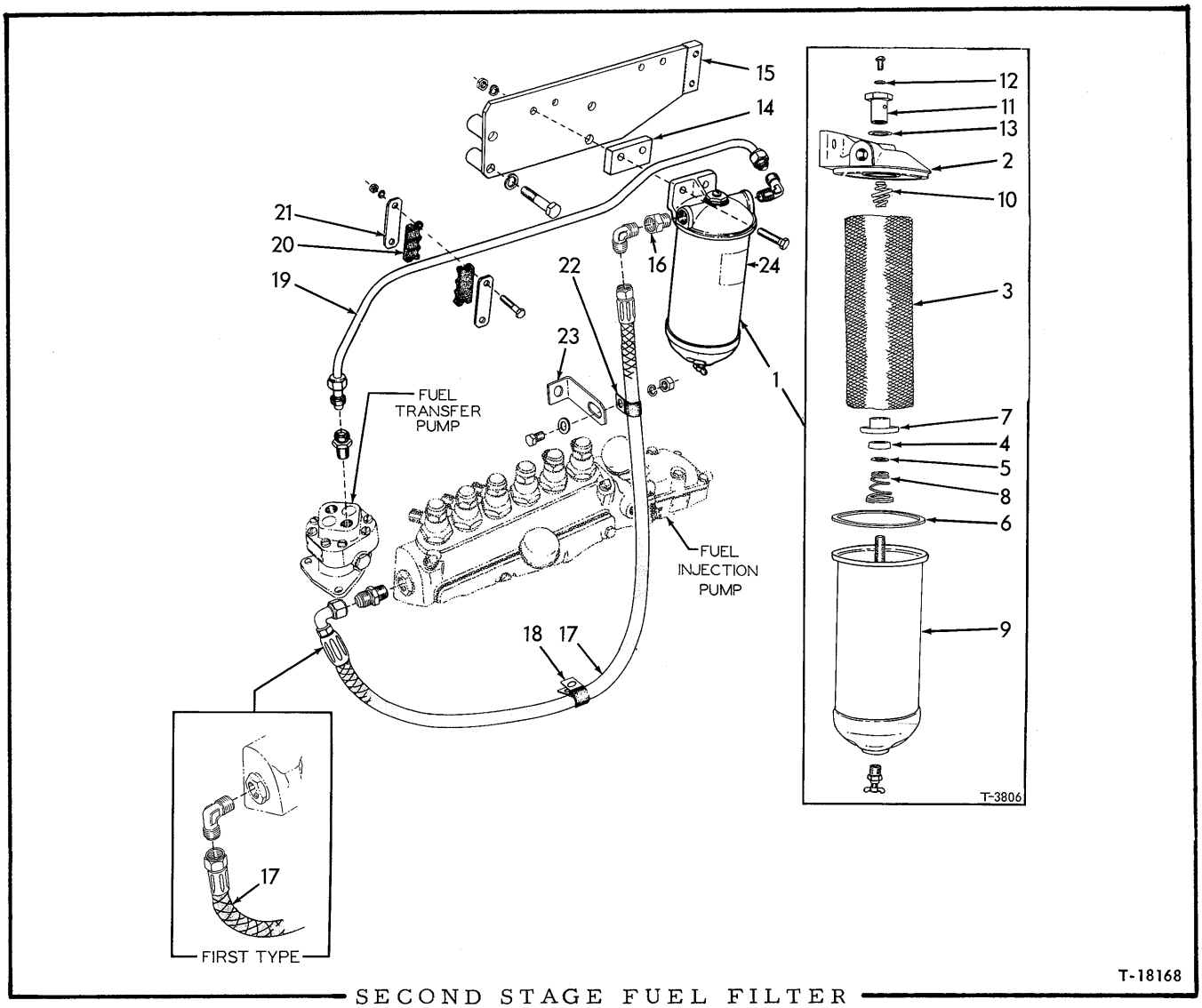
USAGE: Tractors prior to serial No. 4001 except those equipped with HEAVY-DUTY FUEL FILTER

ITEM	PART NO.	QTY.	DESCRIPTION
1	74372734	1	FILTER ASSEMBLY, fuel (Consists of items 2 thru 9)
	70910211	2	CAPSCREW, 3/8"NC x 1-1/8"
	70904206	2	LOCKWASHER, 3/8"
	70911026	2	NUT, 3/8"NC
2	-------	1	SHELL, filter (Order item 1)
	70644417	1	COCK, drain, T-handle, 1/4"NPT
3	74040013	1	GASKET, filter shell
4	74055565	1	ELEMENT KIT (Includes item 3)
5	74051485	1	GUIDE, element centering
6	74347790	1	HEAD, filter
7	74051484	1	GASKET, shell retaining nut
8	74051483	1	NUT, shell retaining
	70906692	1	CAPSCREW, 1/4"NC x 3/8"

(Continued)

FIRST STAGE FUEL FILTER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
9	70065577	1	GASKET, bleeding screw (fibre)
10	74372728	1	LINE, filter to transfer pump
	70916203	1	ELBOW, Sealastic, 45°, 1/2" tube, 3/8"NPT male
	70918564	2	NUT, Sealastic, 1/2" tube
	70915377	2	RING, Sealastic, 1/2" tube (Includes ferrule)
11	74254098	1	CONNECTOR, fuel line (Sealastic, 1/2" tube, 1/4"NPT male)
12	------	-	BRACKET, mounting (See SECOND STAGE FUEL FILTER)
13	------	-	TUBE, fuel tank to filter (See FUEL SUPPLY LINE)
14	------	-	TRANSFER (See PAINTING AND MARKING)



SECOND STAGE FUEL FILTER

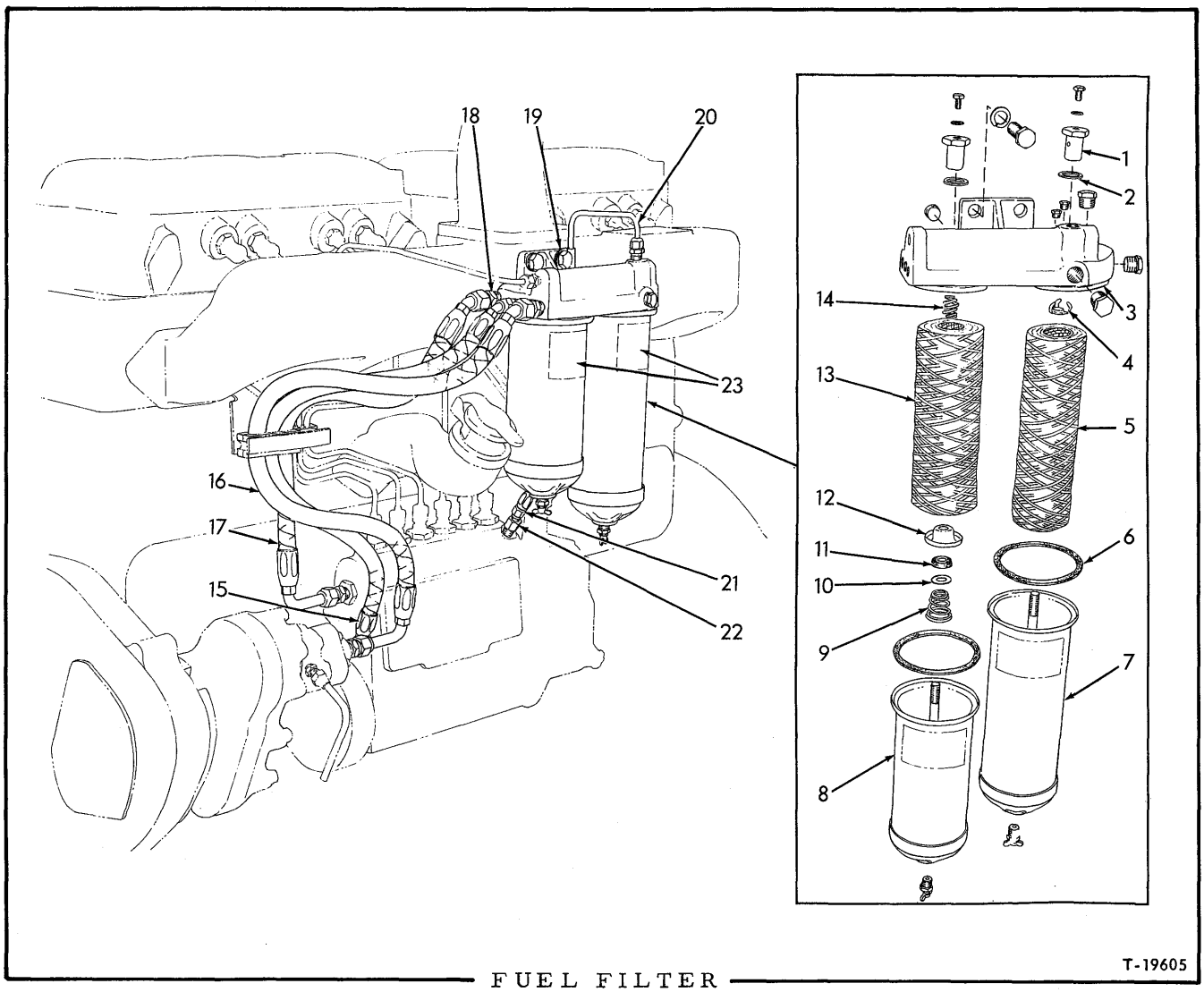
USAGE: Tractors prior to serial No. 4001

ITEM	PART NO.	QTY.	DESCRIPTION
1	74372900	1	FILTER ASSEMBLY, fuel (Consists of items 2 thru 13)
	70903633	2	CAPSCREW, 3/8"NC x 1-3/4"
	70904206	2	LOCKWASHER, 3/8"
	70911026	2	NUT, 3/8"NC
2	74347790	1	HEAD, filter
3	74055920	1	ELEMENT KIT (Includes items 4 thru 6)
4	------	1	GASKET, element plate (Not serviced separately)
5	------	1	WASHER, element plate gasket (Not serviced separately)
6	74040013	1	GASKET, filter shell
7	74052173	1	PLATE, element seating
8	74052174	1	SPRING, element

(Continued)

SECOND STAGE FUEL FILTER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
9	--------	1	SHELL, filter (Order item 1)
	70644417	1	COCK, drain, T-handle, 1/4"NPT
10	74055913	1	GUIDE, element centering
11	74051483	1	NUT, shell retaining
	70915432	1	SCREW, machine, 1/4"NC x 5/16"
12	70065577	1	GASKET, bleeding screw
13	74051484	1	GASKET, shell retaining nut
14	74372873	1	PLATE, filter spacing
15	74371672	1	BRACKET, filter mounting
	70903642	4	CAPSCREW, 1/2"NC x 2-1/2"
	70904208	4	LOCKWASHER, 1/2"
16	70912483	1	ADAPTER, reducing, 3/8"NPT female to 1/4"NPT male (Used prior to engine #68391)
17	------	1	HOSE, filter to pump (Used prior to engine #16-2754. Order HOSE ASSEMBLY 74376111 and CONNECTOR 70919063)
	70911309	2	ELBOW, flare type, 90°, 1/2" tube, 3/8"NPT male
	74376111	1	HOSE ASSEMBLY, filter to pump (See HOSE PARTS) (Effective with engine #16-2754)
	70911309	1	ELBOW, flare type, 90°, 1/2" tube, 3/8"NPT male
	70919063	1	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
18	74376428	1	CLAMP, hose supporting, lower
19	74372730	1	LINE, transfer pump to second stage filter
	70918325	2	NUT, Sealastic, 3/8" tube
	70915367	2	RING, Sealastic, 3/8" tube (Includes ferrule)
	70915368	1	CONNECTOR, Sealastic, 3/8" tube, 1/4"NPT male
	70915369	1	ELBOW, Sealastic, 90°, 3/8" tube, 1/4"NPT male (Used prior to engine #68391)
	70918318	1	ELBOW, Sealastic, 90°, 3/8" tube, 3/8"NPT male (Effective with engine #68391)
20	74372758	4	CLAMP, fuel lines (rubber)
21	74372764	4	PLATE, backing
	70905818	4	CAPSCREW, 1/4"NC x 1-1/2"
	70904204	4	LOCKWASHER, 1/4"
	70910880	4	NUT, 1/4"NC
22	74254580	1	CLAMP, hose supporting, upper
	70903638	1	CAPSCREW, 3/8"NC x 5/8"
	70900817	1	WASHER, plain, U.S. std., 3/8"
	70904206	1	LOCKWASHER, 3/8"
	70912772	1	NUT, 3/8"NC
23	74376338	1	BRACKET, hose supporting clamp
24	------	-	TRANSFER (See PAINTING AND MARKING)



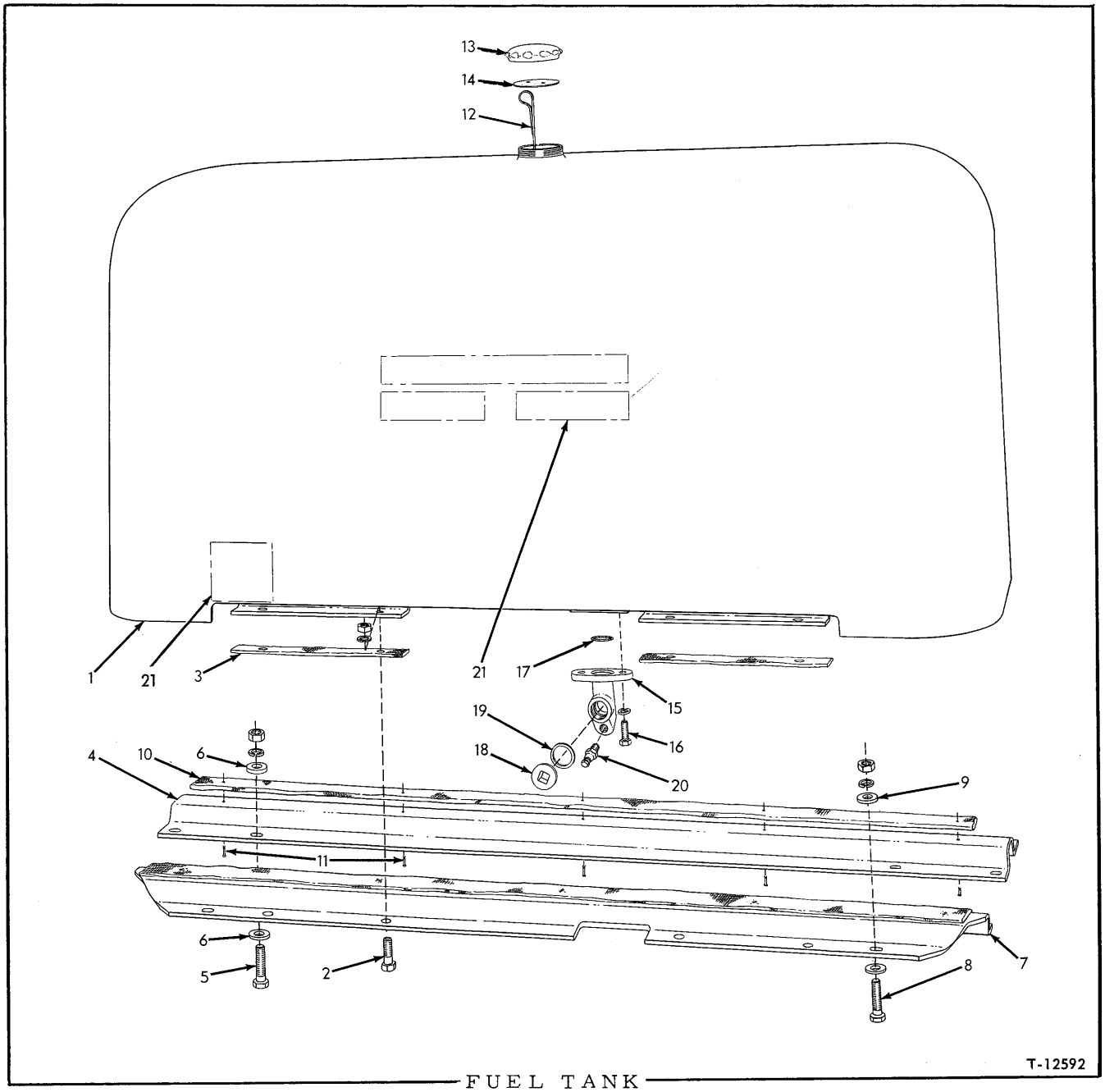
FUEL FILTER

USAGE: Tractors serial No. 4001 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	74051483	2	NUT, shell retaining (1-3/16" long)(Original equipment)
	74389113	2	NUT, shell retaining (1-9/16" long)(Used with service replacement filter head only)
	70919288	2	CAPSCREW, 1/4"NC x 3/8" } Air bleed
	70914686	2	WASHER, copper } Air bleed
2	74051484	2	GASKET, shell retaining nut
3	74389051	1	HEAD ASSEMBLY, (Includes PLUGS indented below)
	70919134	2	PLUG, pipe, hex-hd., 1/8"NPT
	70919840	1	PLUG, pipe, hex-hd., 1/4"NPT (Not used with service replacement filter head)
	70920333	2	PLUG, pipe, hex-hd., 3/8"NPT
	70918887	1	PLUG, pipe, hex-socket, 3/8"NPT
	70916311	2	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	2	LOCKWASHER, 1/2"

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
4	74051485	1	GUIDE, element centering, first stage filter
5	74055565	1	ELEMENT KIT, first stage filter (Includes item 6)(Not used when Heavy-Duty Filter is installed)
6	74040013	2	GASKET, filter shell
7	74389172	1	SHELL ASSY. (Includes items 1,2,4 thru 6 and COCK 70912415)
	70912415	1	COCK, drain, 1/4"NPT
8	74388109	1	SHELL ASSY. (Includes items 1,2,6, 9 thru 14 and COCK 70912415)
	70912415	1	COCK, drain, 1/4"NPT
9	74052174	1	SPRING, second stage filter
10	------	1	WASHER, element plate gasket (Not serviced separately)
11	------	1	GASKET, element plate (Not serviced separately)
12	74052173	1	PLATE, element seating, second stage filter
13	74055920	1	ELEMENT KIT, second stage filter (Includes items 6, 10 and 11)
14	74055913	1	GUIDE, element centering second stage filter
15	74377458	1	HOSE ASSEMBLY, transfer pump to second stage filter (See HOSE PARTS)
	70919062	2	CONNECTOR, flare type, 3/8" tube, 1/4"NPT male
	70901826	1	BUSHING, pipe reducing, 3/8"NPT to 1/4"NPT (For use with service replacement filter head only)
16	74377457	1	HOSE ASSEMBLY, first stage filter to transfer pump (See HOSE PARTS)
	70919205	1	CONNECTOR, flare type, 1/2" tube, 1/4"NPT male
	70919063	1	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
17	74376742	1	HOSE ASSEMBLY, second stage filter to injection pump (See HOSE PARTS)
	70919063	1	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
18	74377515	1	CONNECTOR, flare type, 1/2" tube. 3/8"NPT male (restricted)
19	74377963	1	CLIP, supporting, fuel return tube
20	74377961	1	TUBE, fuel return
	70917809	2	NUT, Imperial, 1/4" tube
	70917806	2	SLEEVE, Imperial, 1/4" tube
	70920242	1	CONNECTOR, Imperial, 1/4" tube, 1/4"NPT male
	70917814	1	CONNECTOR, Imperial, 1/4" tube, 1/4"NPT female
21	74335557	1	HOSE ASSEMBLY, fuel return (See HOSE PARTS)
22	74377956	1	CONNECTOR, fuel return hose (restricted)
23	------	-	TRANSFERS (See PAINTING AND MARKING)



FUEL TANK

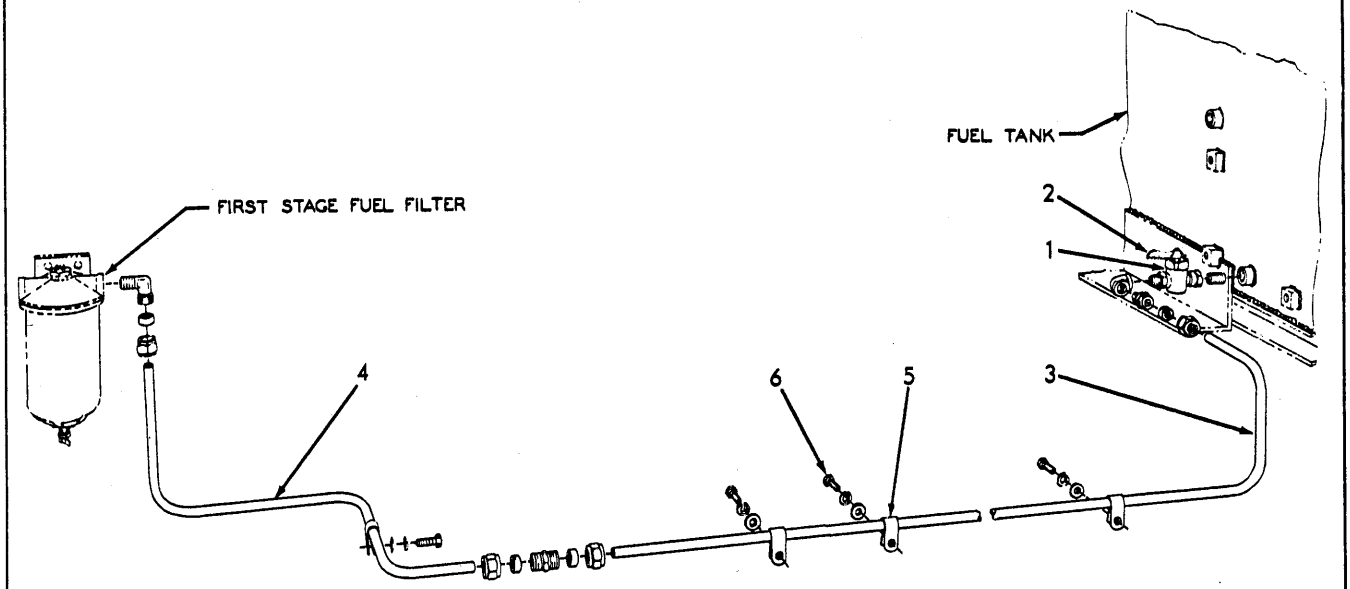
* Models HD16A, AC, D. DC
** Models HD16FC, GC

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70083964	1	1	TANK, fuel
2	70035014	8	8	CAPSCREW, 5/8"NF x 1-1/2"
	70904209	8	8	LOCKWASHER, 5/8"
	70911044	8	8	NUT, 5/8"NF
3	70083917	4	4	PAD, tank mounting

(Continued)

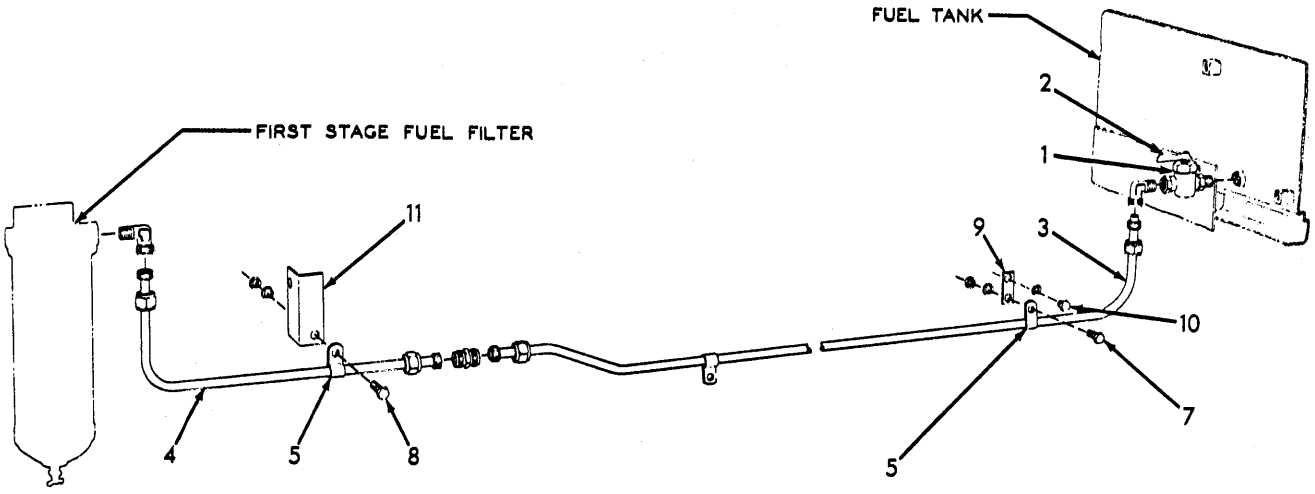
ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
4	70083919	1	1	CHANNEL ASSEMBLY, tank supporting, front (Includes items 10 and 11)(Used prior to tractor #4129)
	70095481	1	1	CHANNEL ASSEMBLY, tank supporting, front (Includes items 10 and 11)(Effective with tractor #4129)
5	70035248	8	-	CAPSCREW, 5/8"NF x 2-1/4"
	70035229	-	8	CAPSCREW, 5/8"NF x 2"
6	70064810	16	8	WASHER, plain
	70904209	8	8	LOCKWASHER, 5/8"
	70911044	8	-	NUT, 5/8"NF (4 less used prior to tractor #4129)
7	70095479	1	1	CHANNEL ASSEMBLY, tank supporting, rear (Includes items 10 and 11)(Used prior to tractor #4129)
	70095479	1	1	CHANNEL ASSEMBLY, tank supporting, rear (Includes items 10 and 11)(Effective with tractor #4129)
8	70023465	6	-	CAPSCREW, 5/8"NF x 1-3/4" (Used prior to tractor #4129)
	70035248	6	-	CAPSCREW, 5/8"NF x 2-1/4" (Effective with tractor #4129)
	70035229	-	6	CAPSCREW, 5/8"NF x 2"
9	70064810	12	6	WASHER, plain
	70904209	6	6	LOCKWASHER, 5/8"
	70911044	6	2	NUT, 5/8"NF
10	70083918	2	2	PAD, tank mounting
11	70083915	10	10	RIVET, split, 3/16" x 3/4"
12	70097735	1	1	GAUGE, fuel level
13	70642744	1	1	CAP, fuel tank
14	70065613	1	1	GASKET, fuel tank cap
15	70083955	1	1	ELBOW, fuel tank drain
16	70070469	2	2	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	2	2	LOCKWASHER, 1/2"
17	70923813	1	1	O-RING, fuel tank drain elbow
18	70050594	1	1	PLUG, drain elbow clean-out
19	70050595	1	1	GASKET, drain elbow clean-out plug
20	70633519	1	1	COCK, drain
21	------	-	-	TRANSFERS (See PAINTING AND MARKING)

MODELS HD16A, AC, D, DC



T-16253

MODELS HD16FC, GC



T-17457

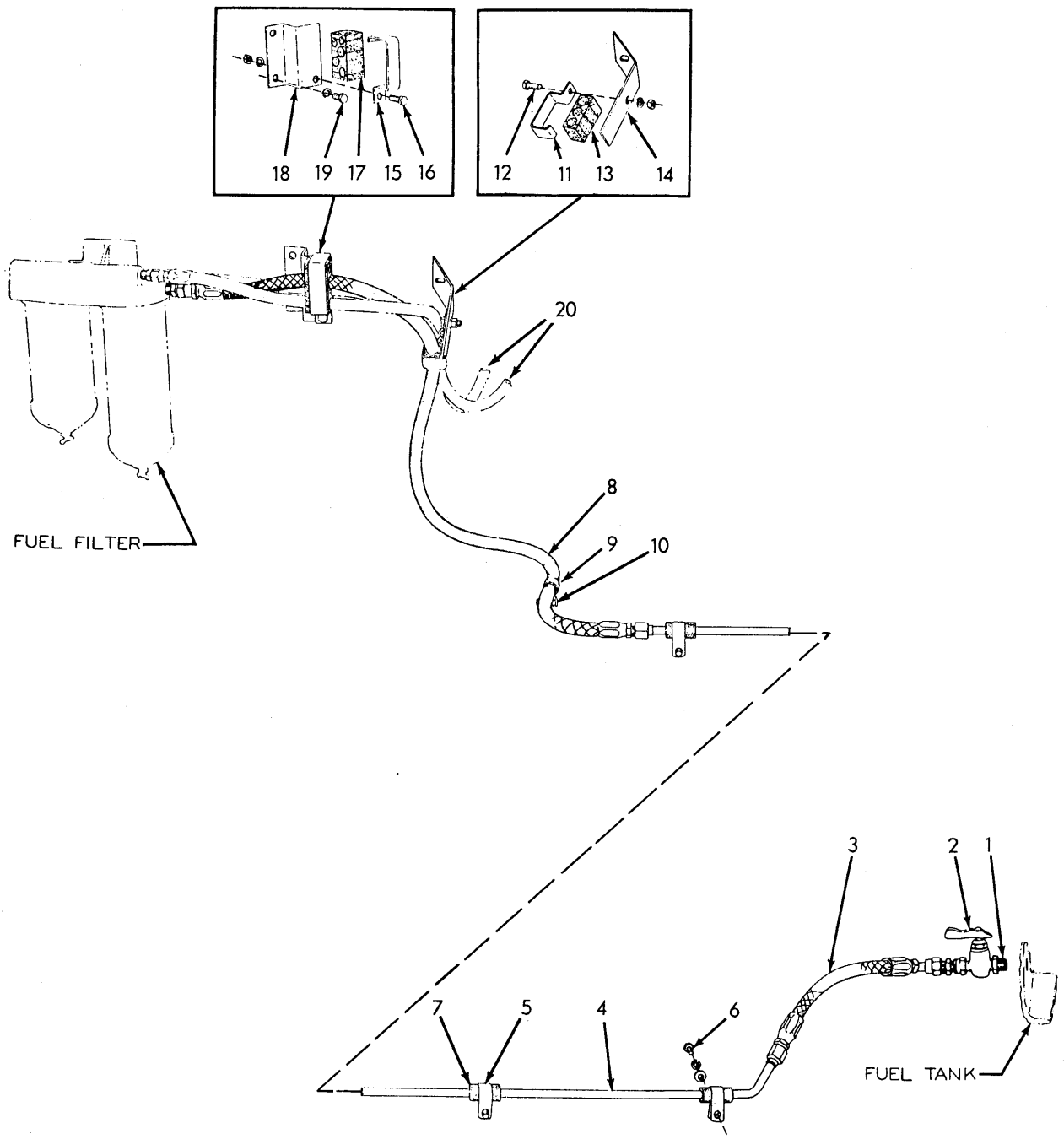
FUEL SUPPLY LINE (First type. HD16A, AC, D, DC, FC and GC)

FUEL SUPPLY LINE

USAGE: Tractors prior to serial No. 4001. Not used on units equipped with Heavy-duty Fuel Filter

* Models HD16A, AC, D, DC
** Models HD16FC, GC

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70092727	1	1	COCK, fuel shut-off (3/8"NPT male and female, Includes item 2)
	70901489	1	-	NIPPLE, pipe, 3/8"NPT x 1"
	70901678	1	-	ELBOW, pipe, 90°, 3/8"NPT
	70915380	-	1	ELBOW, Sealastic, 90°, 1/2" tube, 3/8"NPT male
2	70082189	1	1	HANDLE, fuel shut-off cock
3	70083421	1	-	TUBE, tank to filter, rear section
	70087819	-	1	TUBE, tank to filter, rear section
	70915378	1	-	CONNECTOR, Sealastic, 1/2" tube, 3/8"NPT male
	70918564	2	2	NUT, Sealastic, 1/2" tube
	70915377	2	2	RING, Sealastic, 1/2" tube (Includes ferrule)
4	70086750	1	-	TUBE, tank to filter, front section
	70087837	-	1	TUBE, tank to filter, front section
	70915379	1	1	UNION, Sealastic, 1/2" tube
	70915380	1	1	ELBOW, Sealastic, 90°, 1/2" tube, 3/8"NPT male
	70918564	2	2	NUT, Sealastic, 1/2" tube
	70915377	2	2	RING, Sealastic, 1/2" tube (Includes ferrule)
5	70091046	4	3	CLIP, tube supporting
6	70036034	4	-	CAPSCREW, 3/8"NF x 1"
7	70035167	-	1	CAPSCREW, 3/8"NF x 7/8"
8	70035336	-	1	CAPSCREW, 3/8"NF x 1-3/4"
	70904206	4	2	LOCKWASHER, 3/8"
	70911115	4	-	WASHER, plain, SAE std., 3/8"
	70911041	-	2	NUT, 3/8"NF
9	70089971	-	1	PLATE, clip attaching
10	70035167	-	1	CAPSCREW, 3/8"NF x 7/8"
	70904206	-	1	LOCKWASHER, 3/8"
11	70087968	-	1	ANGLE, plate supporting (HD16GC only)



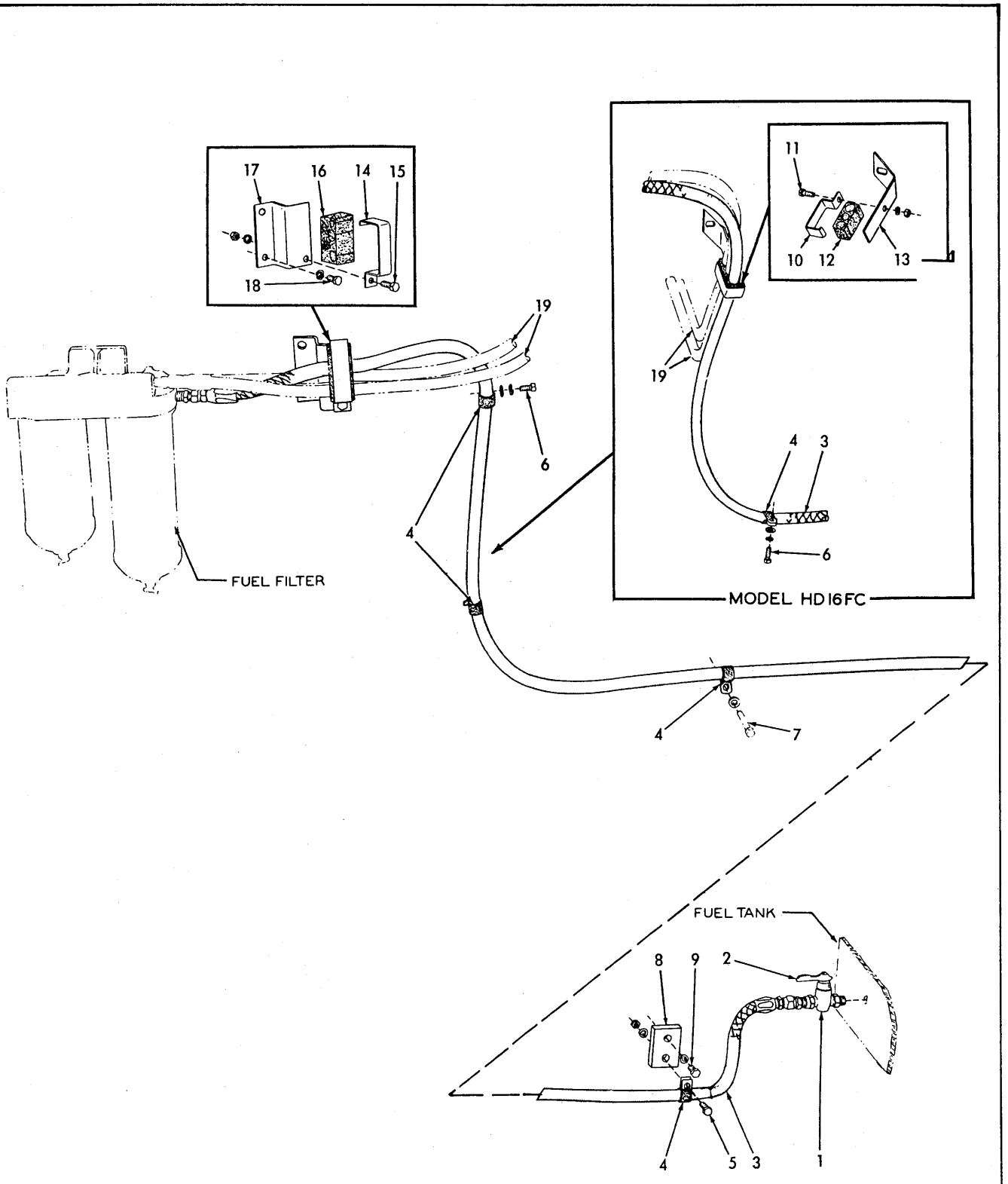
FUEL SUPPLY LINE (Second type. HD16A, AC, D, DC)

T-19510

FUEL SUPPLY LINE

USAGE: Model HD16A, AC, D, DC tractors serial No. 4001 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	70093516	1	HOSE ASSEMBLY, rear (See HOSE PARTS) (Not used on tractors equipped with Heavy-duty Fuel Filter)(Used prior to tractor #5154, excluding #5104)
	70623852	1	HOSE ASSEMBLY, rear (See HOSE PARTS) (Not used on tractors equipped with Heavy-duty Fuel Filter)(Effective with tractor #5154, including #5104)
	70919063	1	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
4	70094221	1	TUBE ASSEMBLY (Includes nuts)(Not used on tractors equipped with Heavy-duty Fuel Filter)(Used prior to tractor #5154, excluding #5104)
	70623851	1	TUBE ASSEMBLY (Includes nuts)(Effective with tractor #5154, including #5104)
5	70097534	3	CLIP, tube supporting
6	70036034	3	CAPSCREW, 3/8"NF x 1"
	70904206	3	LOCKWASHER, 3/8"
	70911115	3	WASHER, plain, SAE std., 3/8"
7	70093752	3	BOOT, tube protecting
8	70094303	1	HOSE ASSEMBLY, front (See HOSE PARTS)
	70919063	1	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
9	70094467	1	CLIP, hose supporting
10	70036034	1	CAPSCREW, 3/8"NF x 1"
	70904206	1	LOCKWASHER, 3/8"
	70911115	1	WASHER, plain, SAE std., 3/8"
11	70094964	1	CLAMP, rear, hose attaching
12	70036034	1	CAPSCREW, 3/8"NF x 1"
	70904206	1	LOCKWASHER, 3/8"
	70911041	1	NUT, 3/8"NF
13	70096354	1	BLOCK, hose rear clamp (rubber)
14	70097629	1	BRACKET, hose rear clamp
15	70095980	1	CLAMP, front, hose attaching
16	70036034	1	CAPSCREW, 3/8"NF x 1"
	70904206	1	LOCKWASHER, 3/8"
	70911041	1	NUT, 3/8"NF
17	70096328	1	BLOCK, hose front clamp (rubber)
18	70096310	1	BRACKET, hose front clamp
19	70035244	2	CAPSCREW, 3/8"NC x 3/4"
	70904206	2	LOCKWASHER, 3/8"
20	------	-	HOSE ASSEMBLY (See FUEL RETURN LINES)



FUEL SUPPLY LINE (Second type. HD16FC, GC)

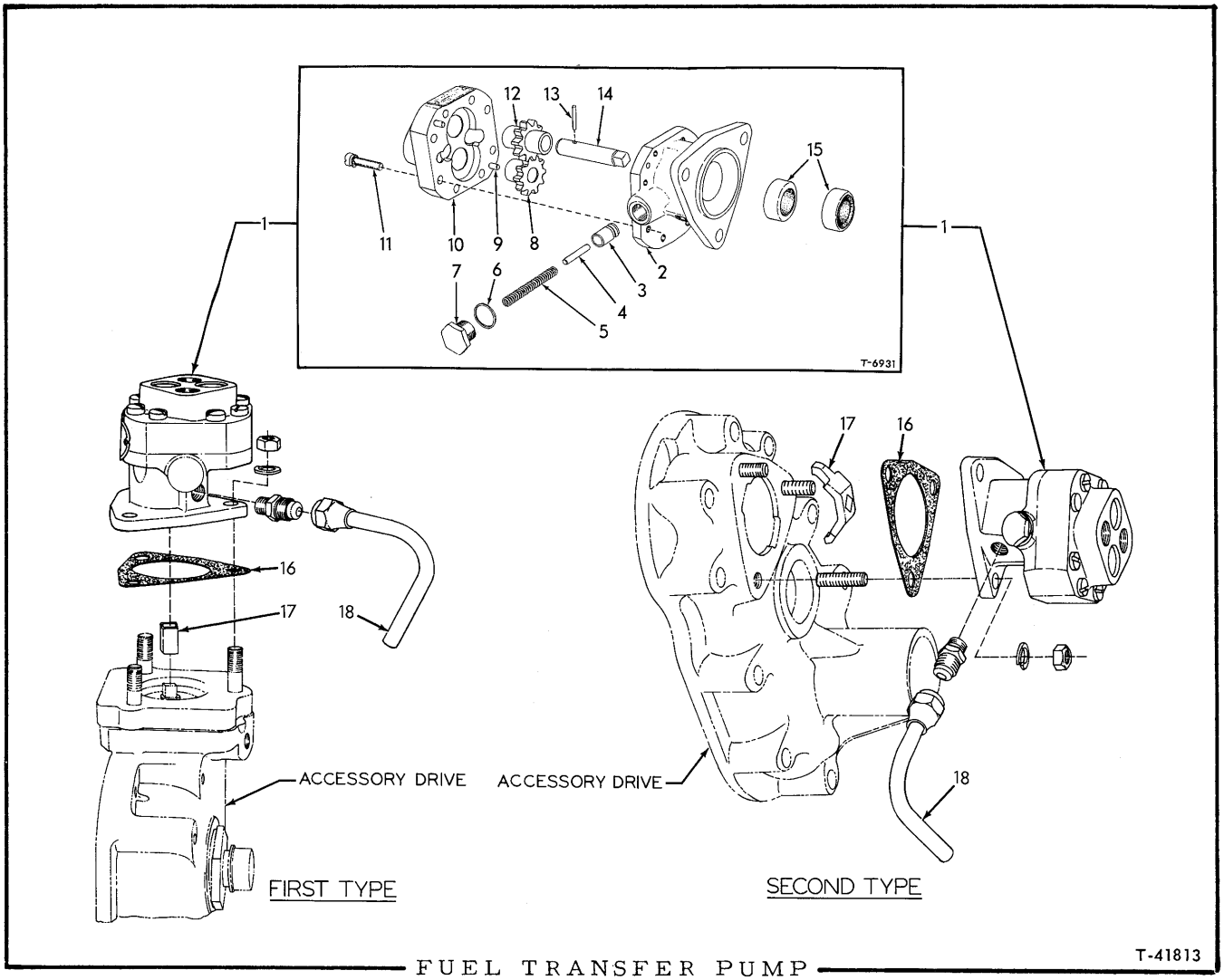
T-22608

FUEL SUPPLY LINE

USAGE: Model HD16FC, GC tractors serial No. 4001 and up

* Model HD16FC
** Model HD16GC

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70092727	1	1	COCK, fuel shut-off (Includes item 2)
2	70082189	1	1	HANDLE, fuel shut-off cock
3	70094304	1	-	HOSE ASSEMBLY (See HOSE PARTS) (Not used on tractors equipped with Heavy-duty Fuel Filter)
	70097533	-	1	HOSE ASSEMBLY (See HOSE PARTS) (Not used on tractors equipped with Heavy-duty Fuel Filter)(Used prior to tractor #5154)
	70094304	-	1	HOSE ASSEMBLY (See HOSE PARTS) (Not used on tractors equpped with Heavy-duty Fuel Filter)(Effective with tractors #5154)
	70919063	2	2	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
4	70094467	3	4	CLIP, hose supporting
5	70035167	1	1	CAPSCREW, 3/8"NF x 7/8"
6	70036034	1	-	CAPSCREW, 3/8"NF x 1"
	70036032	-	2	CAPSCREW, 3/8"NF x 3/4"
7	------	1	1	CAPSCREW (See HYDRAULIC STEERING CONTROL)
	70911115	2	3	WASHER, plain, SAE std., 3/8"
	70904206	2	3	LOCKWASHER, 3/8"
	70911041	1	1	NUT, 3/8"NF
8	70089971	1	1	PLATE, clip attaching
9	70035167	1	1	CAPSCREW, 3/8"NF x 7/8"
	70904206	1	1	LOCKWASHER, 3/8"
10	70094964	1	-	CLAMP, rear, hose attaching
11	70036034	1	-	CAPSCREW, 3/8"NF x 1"
	70904206	1	-	LOCKWASHER, 3/8"
	70911041	1	-	NUT, 3/8"NF
12	70096354	1	-	BLOCK, hose rear clamp (rubber)
13	70097629	1	-	BRACKET, hose rear clamp
14	70095980	1	1	CLAMP, front, hose attaching
15	70036034	1	1	CAPSCREW, 3/8"NF x 1"
	70904206	1	1	LOCKWASHER, 3/8"
	70911041	1	1	NUT, 3/8"NF
16	70096328	1	1	BLOCK, hose front clamp
17	70096310	1	1	BRACKET, hose front clamp
18	70035244	2	2	CAPSCREW, 3/8"NC x 3/4"
	70904206	2	2	LOCKWASHER, 3/8"
19	------	-	-	HOSE ASSEMBLY (See FUEL RETURN LINES)



FUEL TRANSFER PUMP

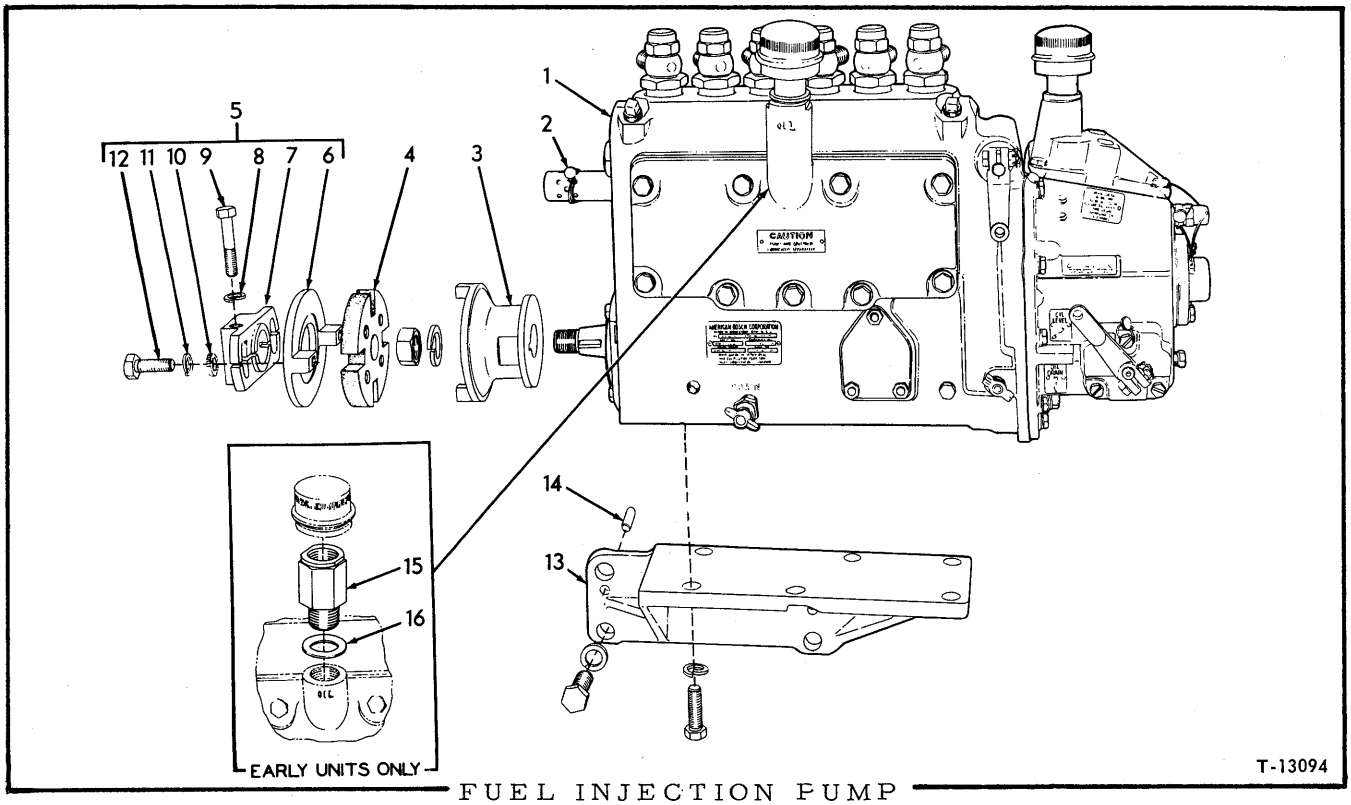
* Tractors prior to serial No. 4001
** Tractors serial No. 4001 and up

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	74369765	1	-	PUMP ASSEMBLY, fuel (Consists of items 2 thru 15)
	70904205	3	-	LOCKWASHER, 5/16"
	70910233	3	-	NUT, 5/16"NF
1	74377456	-	1	PUMP ASSEMBLY, fuel (Consists of items 2 thru 15)
	74376667	-	3	STUD (5/16" diam.)
	70904205	-	3	LOCKWASHER, 5/16"
	70910323	-	3	NUT, 5/16"NC
2	------	1	1	STATOR (Not serviced separately)
3	74047994	1	1	PLUNGER, pressure relief
4	74047993	1	1	PIN, guiding, pressure relief spring
5	74048003	1	1	SPRING, pressure relief plunger
6	74048002	1	1	GASKET, pressure relief spring plug

(Continued)

FUEL TRANSFER PUMP (Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
7	74048001	1	1	PLUG, pressure relief spring
8	74047992	1	1	GEAR, driven
9	74048000	2	2	PIN, dowel, stator to housing
10	-------	1	1	HOUSING (Not serviced separately)
11	74047996	8	8	BOLT ASSEMBLY (Includes lockwasher)
12	74047995	1	1	GEAR, driving
13	74047782	1	1	PIN, shear, driving gear
14	74047997	1	1	SHAFT, driving gear
15	74047783	2	2	SEAL, pump shaft
16	74376605	1	1	□GASKET, pump to housing
17	74372351	1	-	COUPLING
	74377121	-	1	FORK, coupling
18	74372546	1	1	LINE ASSEMBLY, fuel drain (Includes 70910139 NUT)(Not used on units with torque converter effective with engine #16-4429)
	70910139	1	1	NUT, flared, 5/16" tube
	70910171	1	1	CONNECTOR, flared, 5/16" tube, 1/8"NPT male



FUEL INJECTION PUMP

USAGE: Tractors prior to serial No. 4001 (HD844 series engine)

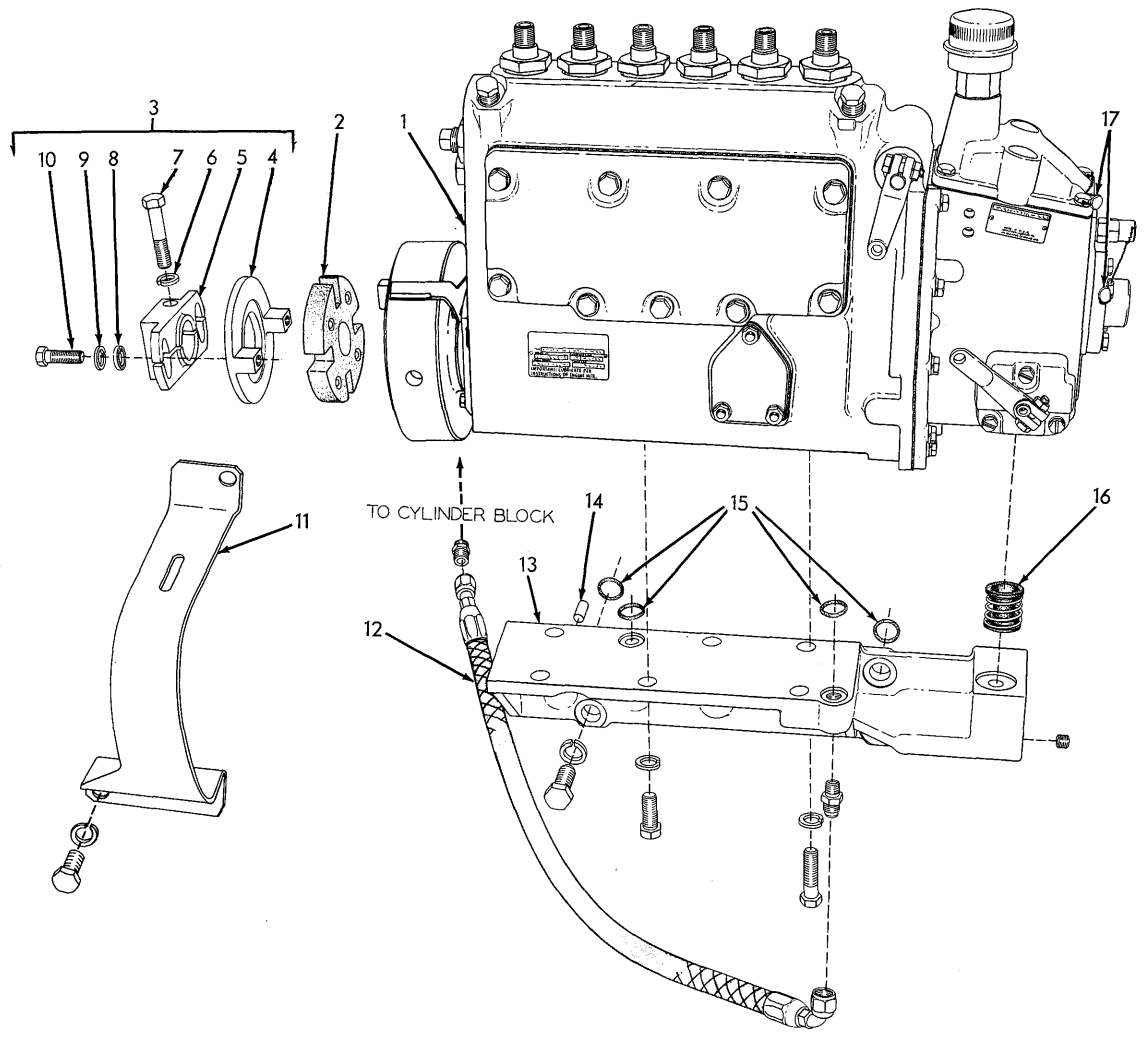
* Tractors without torque converter
** Tractors with torque converter

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	74377690	1	-	PUMP ASSEMBLY, injection (Includes items 3 thru 5)
	74377691	-	1	PUMP ASSEMBLY, injection (Includes items 3 thru 5)
	70913030	6	6	CAPSCREW, 7/16"NC x 1-1/8"
	70904207	6	6	LOCKWASHER, 7/16"
2	74355843	3	3	SEAL, anti-tampering
3	74371712	1	1	COUPLING, injection pump
4	74379813	1	1	DISC, injection pump coupling
5	74371714	1	1	COUPLING ASSEMBLY, injection pump drive (Consists of items 6 thru 12)
6	74371716	1	1	FLANGE, injection pump drive coupling
7	74371715	1	1	HUB, injection pump drive coupling
	70905845	1	1	KEY, #A woodruff, 1/4" x 7/8"
8	74371720	1	1	LOCKWASHER, hub clamping screw
9	74371719	1	1	SCREW, clamping, coupling hub
10	74371718	2	2	WASHER, plain, coupling capscrew
11	74371721	2	2	LOCKWASHER, coupling capscrew

(Continued)

FUEL INJECTION PUMP (Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
12	74371717	2	2	CAPSCREW, injection pump drive coupling
13	74363977	1	1	BRACKET, injection pump mounting
	70903638	4	4	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	4	4	LOCKWASHER, 1/2"
14	74514110	2	2	PIN, dowel, mounting bracket (1/4" diam.)(Used prior to engine #68325)
	74253286	2	2	PIN, dowel, mounting bracket (5/16" diam.)(Effective with engine #68325)
15	74373270	1	1	EXTENSION, pump breather (Used prior to tractor #869)
16	74372067	1	1	GASKET, breather extension (Used prior to tractor #869)



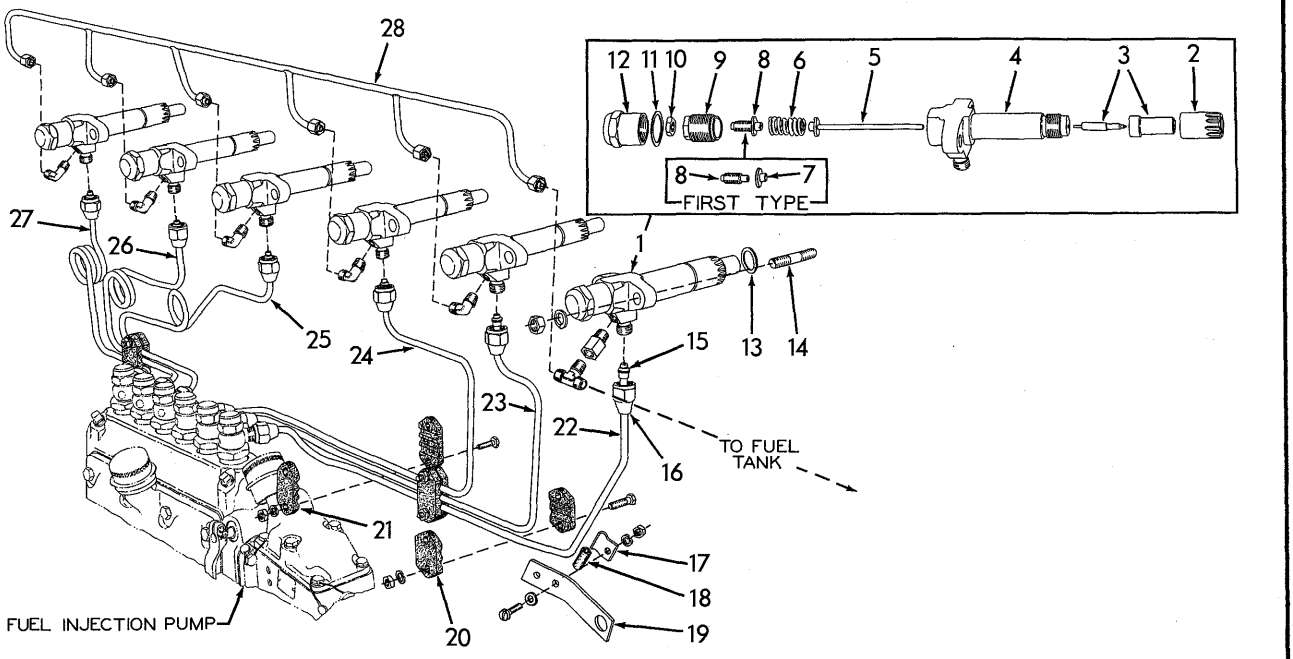
FUEL INJECTION PUMP

USAGE: Tractors serial No. 4001 and up (16000 series engine)

ITEM	PART NO.	QTY.	DESCRIPTION
1	74385801	1	PUMP ASSEMBLY, injection (Includes items 2 and 3)(For units without torque converter)
	74385803	1	PUMP ASSEMBLY, injection (Includes items 2 and 3)(For units with torque converter)
	70919228	4	CAPSCREW, 7/16"NC x 1-1/8"
	70918801	2	CAPSCREW, 7/16"NC x 1-5/8"
	70904207	6	LOCKWASHER, 7/16"
2	74379813	1	DISC, injection pump coupling
3	74371714	1	COUPLING ASSEMBLY, injection pump drive (Consists of items 4 thru 10)
4	74371716	1	FLANGE, injection pump drive coupling

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
5	74371715	1	HUB, injection pump drive coupling
	70905845	1	KEY, #A woodruff, 1/4" x 7/8"
6	74371720	1	LOCKWASHER, hub clamping screw
7	74371719	1	SCREW, clamping, coupling hub
8	74371718	2	WASHER, serrated, coupling capscrew
9	74371721	2	LOCKWASHER, coupling capscrew
10	74371717	2	CAPSCREW, injection pump drive coupling
11	74379076	1	GUARD, pump flywheel (Effective with engine #16-4021)
	70903637	1	CAPSCREW, 1/2"NC x 1"
	70904208	1	LOCKWASHER, 1/2"
12	74377153	1	HOSE ASSEMBLY, oil supply (See HOSE PARTS)
	70919778	1	CONNECTOR, flare type, 5/16" tube, 1/4"NPT male
	70919766	1	CONNECTOR, flare type, 5/16" tube, 1/8"NPT male
13	74376529	1	BRACKET, pump mounting
	70917673	1	PLUG, pipe, hex-socket, 1/8"NPT (Early units)
	70918850	1	PLUG, pipe, hex-socket, 1/4"NPT (Late units)
	70916311	4	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	4	LOCKWASHER, 1/2"
14	74253286	2	PIN, dowel, mounting bracket
15	74255665	4	□O-RING, mounting bracket
16	74379038	1	COUPLING, oil drain, pump to bracket
17	74355843	3	SEAL, anti-tampering



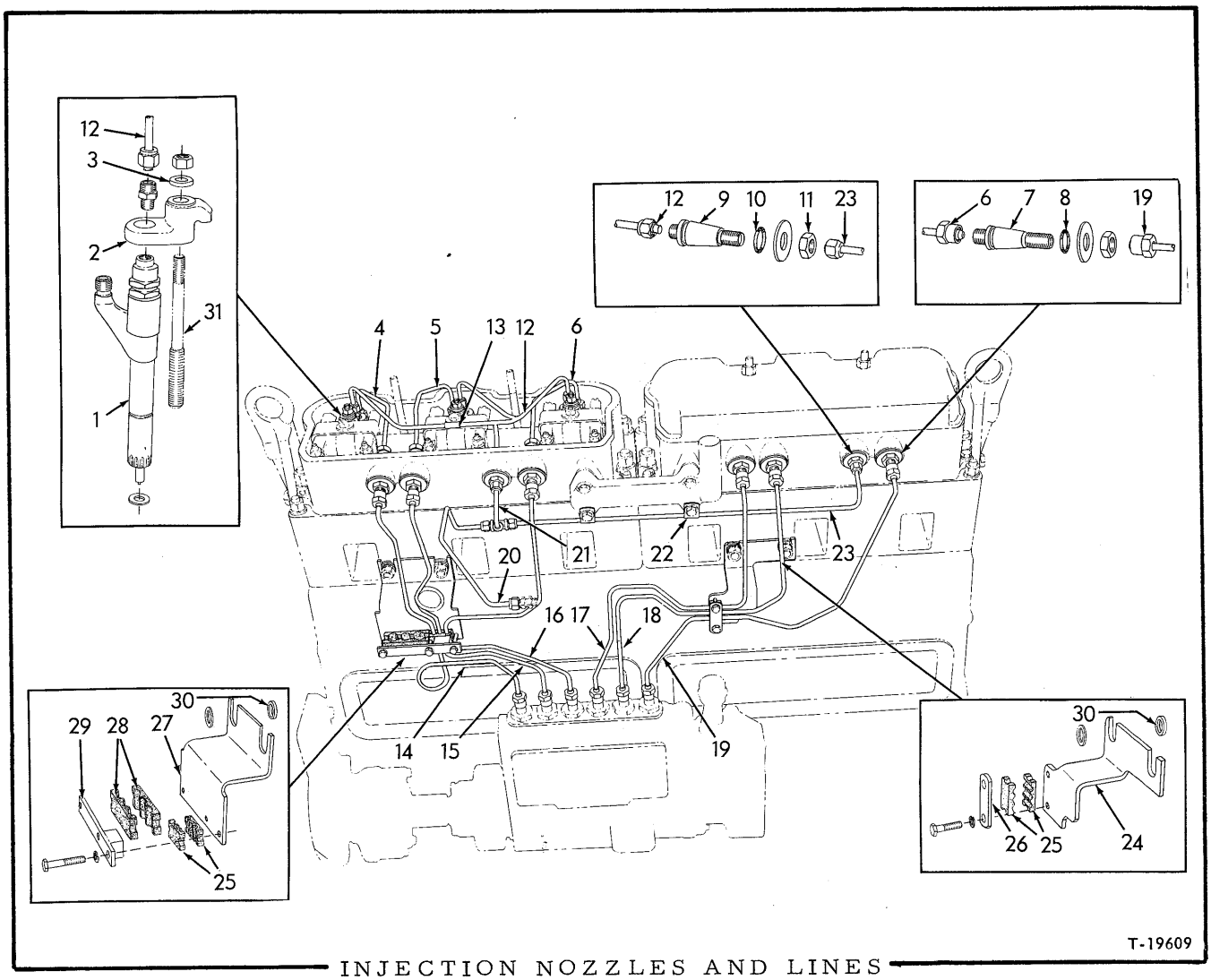
INJECTION NOZZLES AND LINES

USAGE: Tractors prior to serial No. 4001 (HD844 series engine)

ITEM	PART NO.	QTY.	DESCRIPTION
1	74363761	6	HOLDER ASSEMBLY, nozzle (Includes items 2 thru 12)
2	74511217	6	NUT, nozzle
3	74380445	6	NOZZLE ASSEMBLY (1 body and 1 valve)
4	-------	6	BODY, nozzle holder (Not serviced separately)
5	74040094	6	SPINDLE, nozzle holder
6	74371121	6	SPRING, nozzle holder
7	-------	6	SEAT, nozzle holder spring (Early units) (Order SCREW 74047538)
8	-------	6	SCREW, nozzle holder spring (Early units) (Order SCREW 74047538)
	74047538	6	SCREW, nozzle holder spring (Late units)
9	74040096	6	NUT, nozzle holder spring
10	74040098	6	NUT, nozzle holder screw
11	74372113	6	GASKET, nozzle holder cap
12	74040099	6	CAP, nozzle holder
13	74511204	6	□GASKET, nozzle holder
14	74335573	12	STUD, nozzle holder
	70910123	12	NUT, 3/8"NF
	70904206	12	LOCKWASHER, 3/8"

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
15	74501149	12	SLEEVE, tube
16	74506426	12	NUT, tube
17	74016034	1	CLAMP, tube
	70901172	1	SCREW, machine, #10-24NC x 1-1/2"
	70910243	1	WASHER, plain, #10
	70904203	1	LOCKWASHER, #10
	70901310	1	NUT, #10-24NC
18	74363817	1	SLEEVE, tube clamp (rubber)
19	74366249	1	CLIP, supporting, tube clamp
20	74352301	2	CLAMP, tube (2 grooves)
	70905657	2	CAPSCREW, 1/4"NC x 1"
	70904204	2	LOCKWASHER, 1/4"
	70910880	2	NUT, 1/4"NC
21	74350533	6	CLAMP, tube (3 grooves)
	70905657	6	CAPSCREW, 1/4"NC x 1"
	70904204	6	LOCKWASHER, 1/4"
	70910880	6	NUT, 1/4"NC
22	74366194	1	TUBE, fuel injection (#6 cylinder)
23	74372867	1	TUBE, fuel injection (#5 cylinder)
24	74372866	1	TUBE, fuel injection (#4 cylinder)
25	74366191	1	TUBE, fuel injection (#3 cylinder)
26	74366190	1	TUBE, fuel injection (#2 cylinder)
27	74366189	1	TUBE, fuel injection (#1 cylinder)
	-------	1	MANIFOLD, fuel return (Used prior to engine #16-2716. Order 1 MANIFOLD ASSY. 74375652, 1 TEE 70919041, 1 ADAPTER 70917032 and 5 ELBOWS 70919040)
	70911437	6	NUT, compression, 1/4" tube
	70911435	6	SLEEVE, compression, 1/4" tube (brass)
	74349376	5	ELBOW, compression, 1/4" tube, 1/8"NPT male
	70917323	1	TEE, compression, 1/4" tube, 1/8"NPT male
28	74375652	1	MANIFOLD ASSEMBLY, fuel return (Includes NUTS and SLEEVES indented below)(Effective with engine #16-2716)
	70917809	6	NUT, Imperial, 1/4" tube
	70917806	6	SLEEVE, Imperial, 1/4" tube (rubber)
	70919040	5	ELBOW, Imperial, 1/4" tube, 1/8"NPT male
	70919041	1	TEE, Imperial, 1/4" tube, 1/8"NPT male
	70917032	1	ADAPTER, extension, 1/8"NPT male and female



INJECTION NOZZLES AND LINES

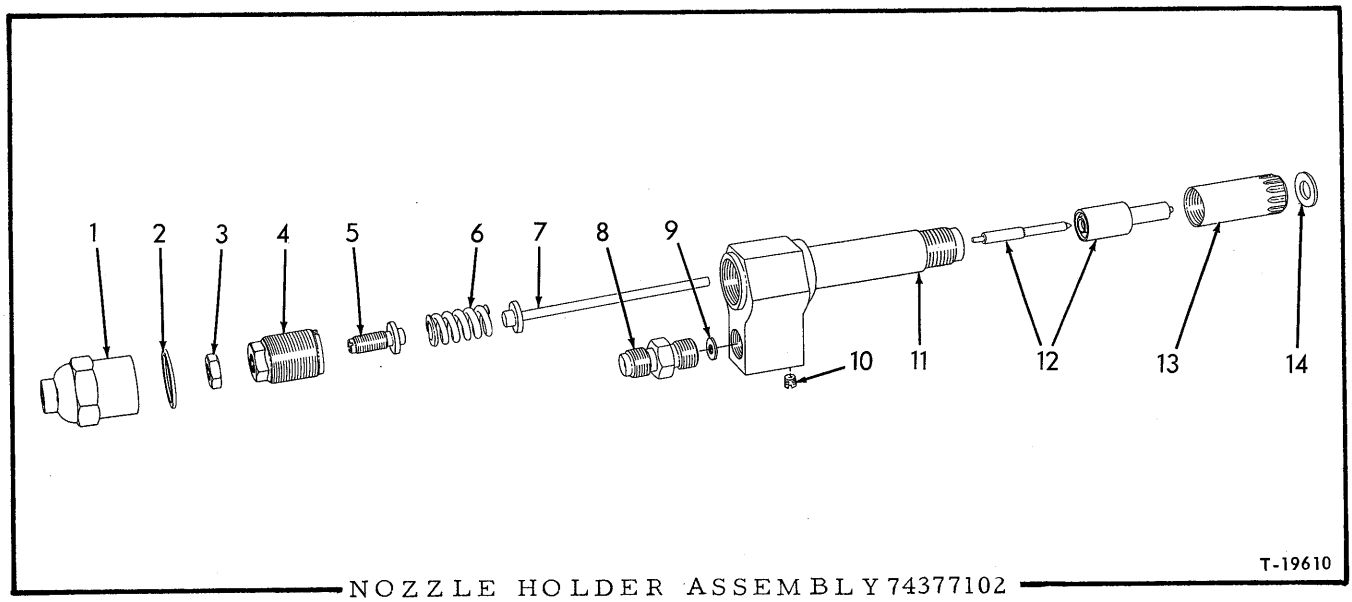
USAGE: Tractors serial No. 4001 and up (16000 series engine)

ITEM	PART NO.	QTY.	DESCRIPTION
1	74377102	6	HOLDER ASSEMBLY, nozzle (See page 142 for parts)(Used prior to engine #16-4630. Order HOLDER ASSEMBLY 74390623)
	74390623	6	HOLDER ASSEMBLY, nozzle (See page 143 for parts)(Effective with engine #16-4630)
2	74387384	6	CLAMP, nozzle holder
	70910123	6	NUT, 3/8"NF
3	74379572	6	WASHER, nozzle holder clamp
4	74376677	2	TUBE ASSEMBLY, fuel injection, internal (#1 and #4 cylinders. Includes nuts)
5	74376678	2	TUBE ASSEMBLY, fuel injection, internal (#2 and #5 cylinders. Includes nuts)
6	74376679	2	TUBE ASSEMBLY, fuel injection, internal (#3 and #6 cylinders. Includes nuts)

(Continued)

INJECTION NOZZLES AND LINES (Continued)

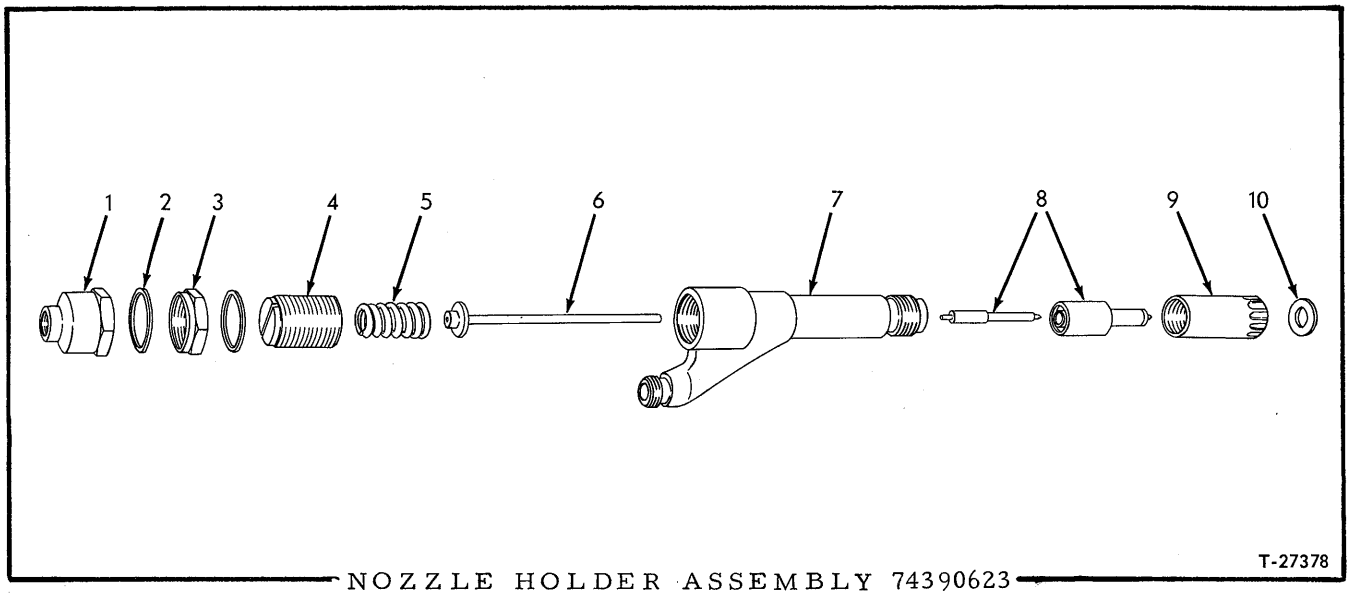
ITEM	PART NO.	QTY.	DESCRIPTION
7	74376560	6	CONNECTOR, injection line
	70913289	6	WASHER, plain, U.S. std., 9/16"
	70919303	6	NUT, jam, 9/16"NF
8	70923379	6	□ O-RING, injection line connector
9	74378770	2	CONNECTOR, fuel return line
10	70923379	2	□ O-RING, return line connector
11	74377267	2	NUT, return line connector (1/2"-24)
	70900818	2	WASHER, plain, U.S. std., 1/2"
12	74376713	2	MANIFOLD ASSEMBLY, fuel return (Includes NUTS and SLEEVES indented below)
	70917809	8	NUT, Imperial, 1/4" tube
	74255956	8	□ SLEEVE, Imperial, 1/4" tube (rubber)
	70919800	6	CONNECTOR, Imperial, 1/4" tube, 1/8"NPT male
13	74377382	2	CLIP, manifold supporting
14	74377012	1	TUBE ASSEMBLY, fuel injection, external (#1 cylinder. Includes nuts)
15	74377013	1	TUBE ASSEMBLY, fuel injection, external (#2 cylinder. Includes nuts)
16	74377014	1	TUBE ASSEMBLY, fuel injection, external (#3 cylinder. Includes nuts)
17	74377015	1	TUBE ASSEMBLY, fuel injection, external (#4 cylinder. Includes nuts)
18	74377016	1	TUBE ASSEMBLY, fuel injection, external (#5 cylinder. Includes nuts)
19	74377017	1	TUBE ASSEMBLY, fuel injection, external (#6 cylinder. Includes nuts)
20	74377265	1	TUBE ASSEMBLY, fuel return (Includes NUTS and SLEEVES indented below)
	70917809	2	NUT, Imperial, 1/4" tube
	70917806	2	SLEEVE, Imperial, 1/4" tube (rubber)
	70919797	1	TEE, Imperial, 1/4" tube
	70920242	1	CONNECTOR, Imperial, 1/4" tube, 1/4"NPT male
21	74377266	1	TUBE ASSEMBLY, fuel return, front (Includes NUTS and SLEEVES indented below)
	70917809	2	NUT, Imperial, 1/4" tube
	70917806	2	SLEEVE, Imperial, 1/4" tube (rubber)
22	74377382	2	CLIP, fuel return tube
23	74376716	1	TUBE ASSEMBLY, fuel return, rear (Includes NUTS and SLEEVES indented below)
	70917809	2	NUT, Imperial, 1/4" tube
	70917806	2	SLEEVE, Imperial, 1/4" tube (rubber)
24	74377257	1	BRACKET, supporting, rear injection lines
	70910244	2	WASHER, plain, SAE std., 1/2"
25	74507359	4	SPACER, injection lines (rubber)
26	74507415	1	PLATE, clamping, rear injection lines
	70915407	2	CAPSCREW, 1/4"NC x 1-1/8"
	70904204	2	LOCKWASHER, 1/4"
27	74377252	1	BRACKET, supporting, front injection lines and fuel hoses
	70910244	2	WASHER, plain, SAE std., 1/2"
28	74377253	2	INSERT, fuel hose clamp (rubber)
29	74377254	1	CLAMP, front injection lines and fuel hoses
	70916286	3	CAPSCREW, 1/4"NC x 1-1/2"
	70904204	3	LOCKWASHER, 1/4"
30	74372864	8	WASHER, backing, injection line bracket
31	------	-	STUD, nozzle holder clamp (See VALVE OPERATING MECHANISM)



NOZZLE HOLDER ASSEMBLY 74377102

USAGE: See page 140

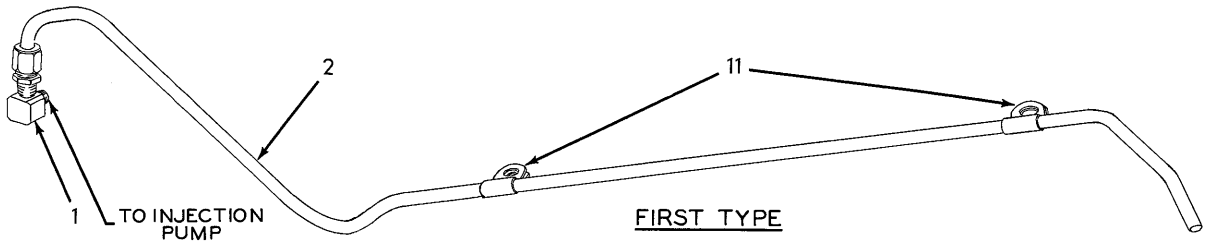
ITEM	PART NO.	QTY.	DESCRIPTION
			NOTE: Quantities indicated are for one (1) Holder Assembly only
1	74050524	1	CAP, protective
2	74049282	1	GASKET, protective cap
3	74050523	1	NUT, locking, adjusting screw
4	74050520	1	NUT, spring retaining
5	74051839	1	SCREW, adjusting (Includes seat)
6	74050519	1	SPRING
7	74050517	1	SPINDLE ASSEMBLY (1 spindle and 1 seat)
8	74050526	1	STUD, fuel inlet
9	74050857	1	GASKET, fuel inlet stud
10	-------	1	PLUG (Not serviced separately)
11	-------	1	BODY (Not serviced separately)
12	74378021	1	NOZZLE ASSEMBLY (Includes item 14)
13	74050516	1	NUT, nozzle retaining
14	74378031	1	□ GASKET, nozzle



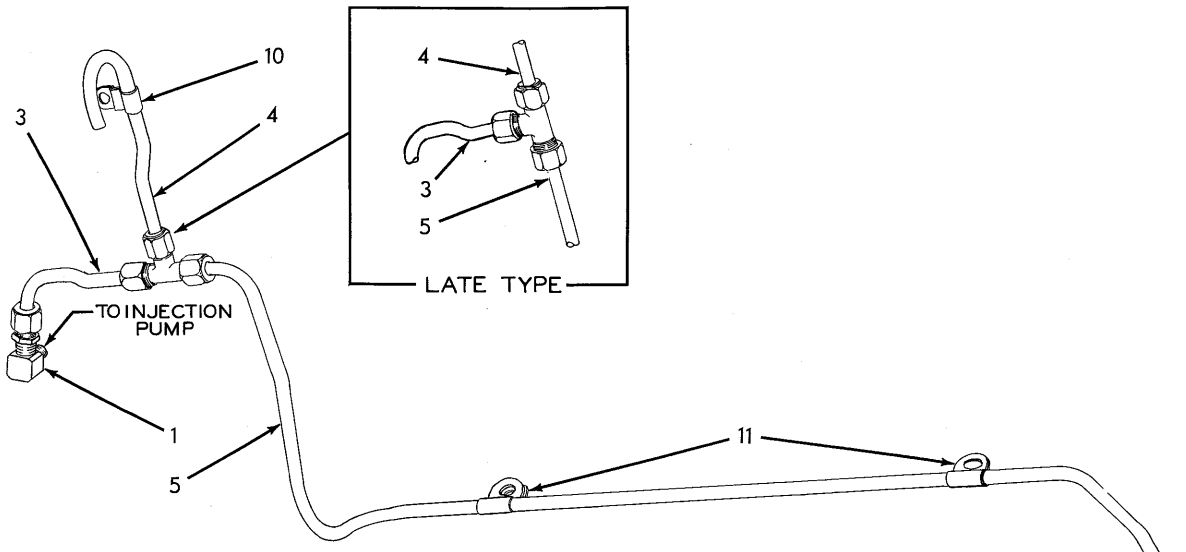
NOZZLE HOLDER ASSEMBLY 74390623

USAGE: See page 140

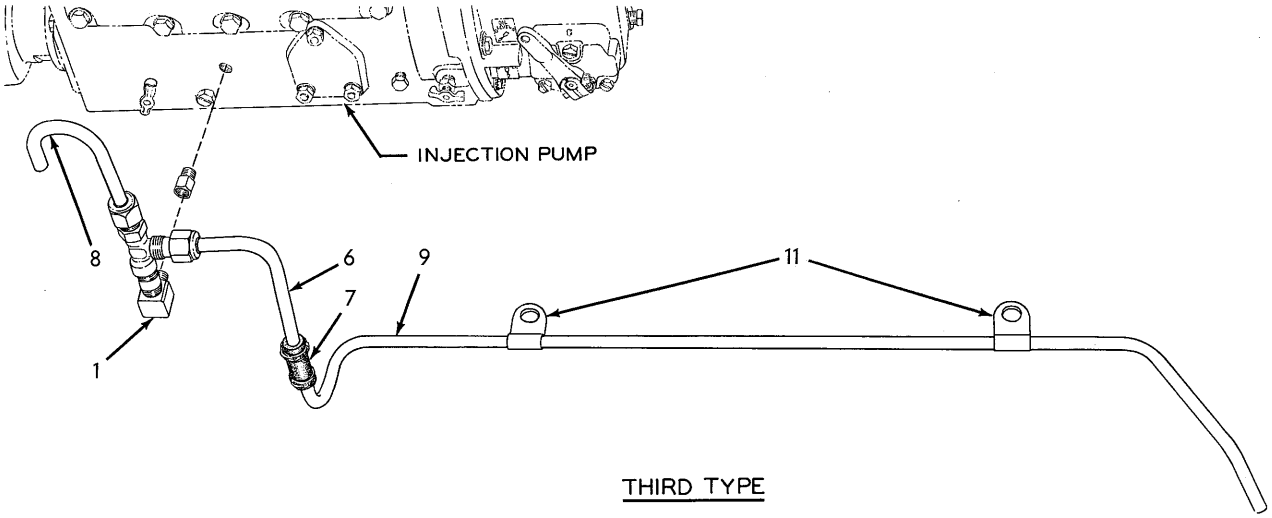
ITEM	PART NO.	QTY.	DESCRIPTION
			NOTE: Quantities indicated are for one (1) Holder Assembly only
1	74378032	1	NUT, cap
2	74511243	2	GASKET, cap nut
3	74511213	1	NUT, locking
4	74378033	1	SCREW, adjusting
5	74380652	1	SPRING
6	74380198	1	SPINDLE
7	-------	1	BODY (Not serviced separately)
8	74378021	1	NOZZLE ASSEMBLY (Includes item 10)
9	74378034	1	NUT, nozzle retaining
10	74378031	1	□GASKET, nozzle



FIRST TYPE



SECOND TYPE



THIRD TYPE

T-15148

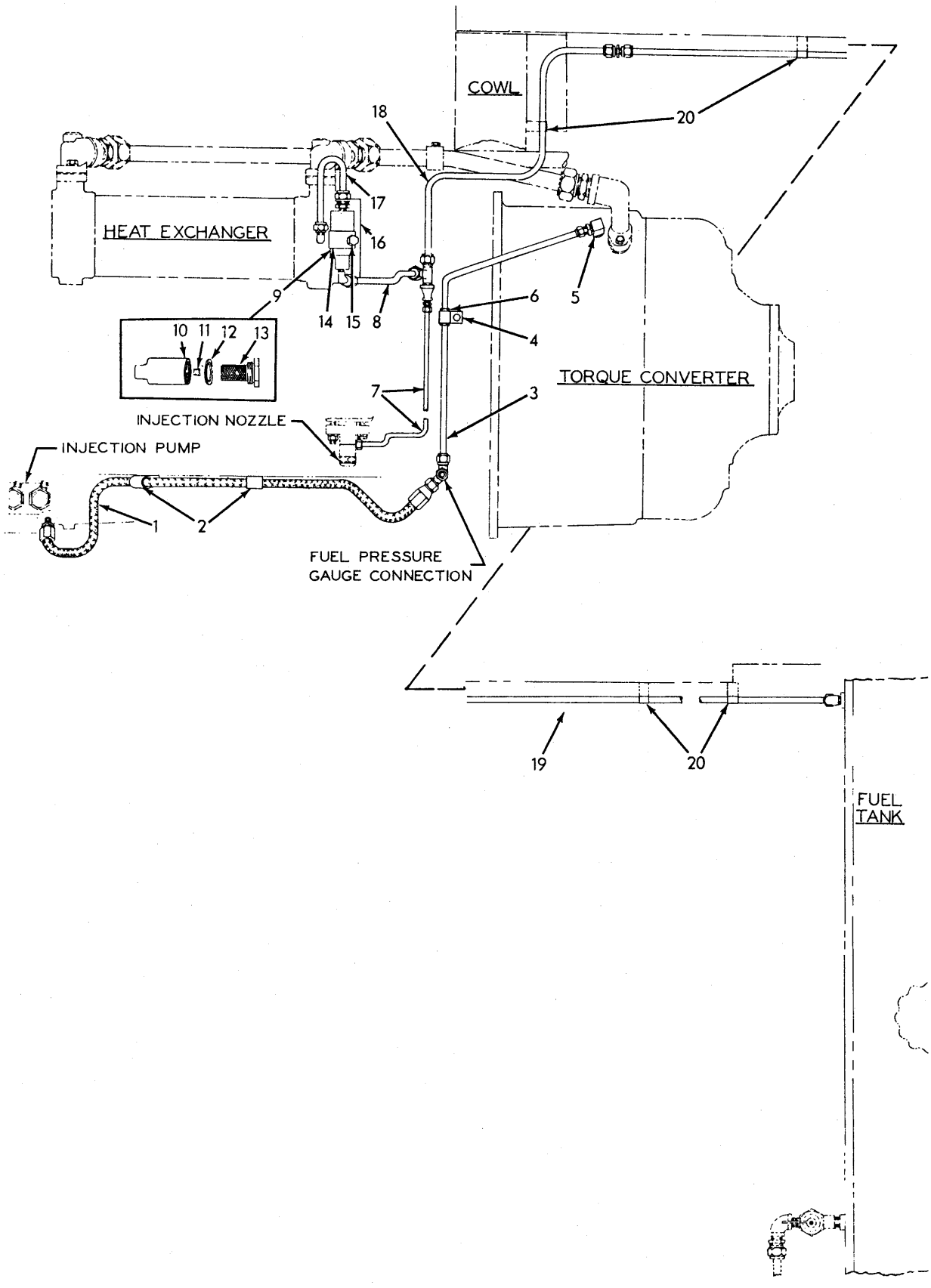
INJECTION PUMP OVERFLOW LINE

USAGE: Tractors prior to serial No. 4001

* Tractors prior to serial No. 463
** Tractors serial No. 463 thru 1017 and No. 1979 and up, excluding EXCEPTIONS listed below.
*** Tractors serial No. 1018 thru No. 1978, including EXCEPTIONS listed below.

ITEM	PART NO.	QUANTITY *	**	***	DESCRIPTION
1	70047852	1	1	1	ELBOW, fuel overflow tube
	70917032	-	-	1	ADAPTER, pipe extension, 1/8"NPT male and female
2	70084902	1	-	-	TUBE, fuel overflow
	70918325	1	-	-	NUT, Sealastic, 3/8" tube
	70915367	1	-	-	RING, Sealastic, 3/8" tube (Includes ferrule)
	70915368	1	-	-	CONNECTOR, Sealastic, 3/8" tube, 1/4"NPT male
3	70086977	-	1	-	TUBE, fuel overflow, front
	70918325	-	2	-	NUT, Sealastic, 3/8" tube
	70915367	-	2	-	RING, Sealastic, 3/8" tube (Includes ferrule)
	70915368	-	1	-	CONNECTOR, Sealastic, 3/8" tube, 1/4"NPT male
4	70086967	-	1	-	TUBE, fuel overflow vent
	70918325	-	1	-	NUT, Sealastic, 3/8" tube
	70915367	-	1	-	RING, Sealastic, 3/8" tube (Includes ferrule)
	70915371	-	1	-	TEE, union, Sealastic, 3/8" tube
5	70086983	-	1	-	TUBE, fuel overflow, rear (Used prior to tractor #1979)
	70088357	-	1	-	TUBE, fuel overflow, rear (Effective with tractor #1979)
	70918325	-	1	-	NUT, Sealastic, 3/8" tube
	70915367	-	1	-	RING, Sealastic, 3/8" tube (Includes ferrule)
6	70090990	-	-	1	TUBE, overflow, front
	70918325	-	-	1	NUT, Sealastic, 3/8" tube
	70915367	-	-	1	RING, Sealastic, 3/8" tube (Includes ferrule)
7	70090991	-	-	1	HOSE, rear overflow tube
	70918696	-	-	2	CLAMP, hose, 5/8" diam.
8	70090989	-	-	1	TUBE, overflow vent
	70918325	-	-	1	NUT, Sealastic, 3/8" tube
	70915367	-	-	1	RING, Sealastic, 3/8" tube (Includes ferrule)
	70918775	-	-	1	TEE, service, Sealastic, 3/8" tube, 1/4"NPT female
	70904708	-	-	1	NIPPLE, pipe, 1/4"NPT x 1-1/4"
9	70090993	-	-	1	TUBE, fuel overflow, rear
10	70086963	-	1	-	CLIP, vent tube
11	70043344	2	2	2	CLIP, rear overflow tube

EXCEPTIONS: Tractors serial No. 1980, 1982, 1985, 1987, 1990, 1992, 1995, 1997, 2000, 2002, 2005, 2007, 2010 and 2012



FUEL RETURN LINES (First type. Tractors with torque converter)

FUEL RETURN LINES

USAGE: Tractors with torque converter prior to serial No. 4001

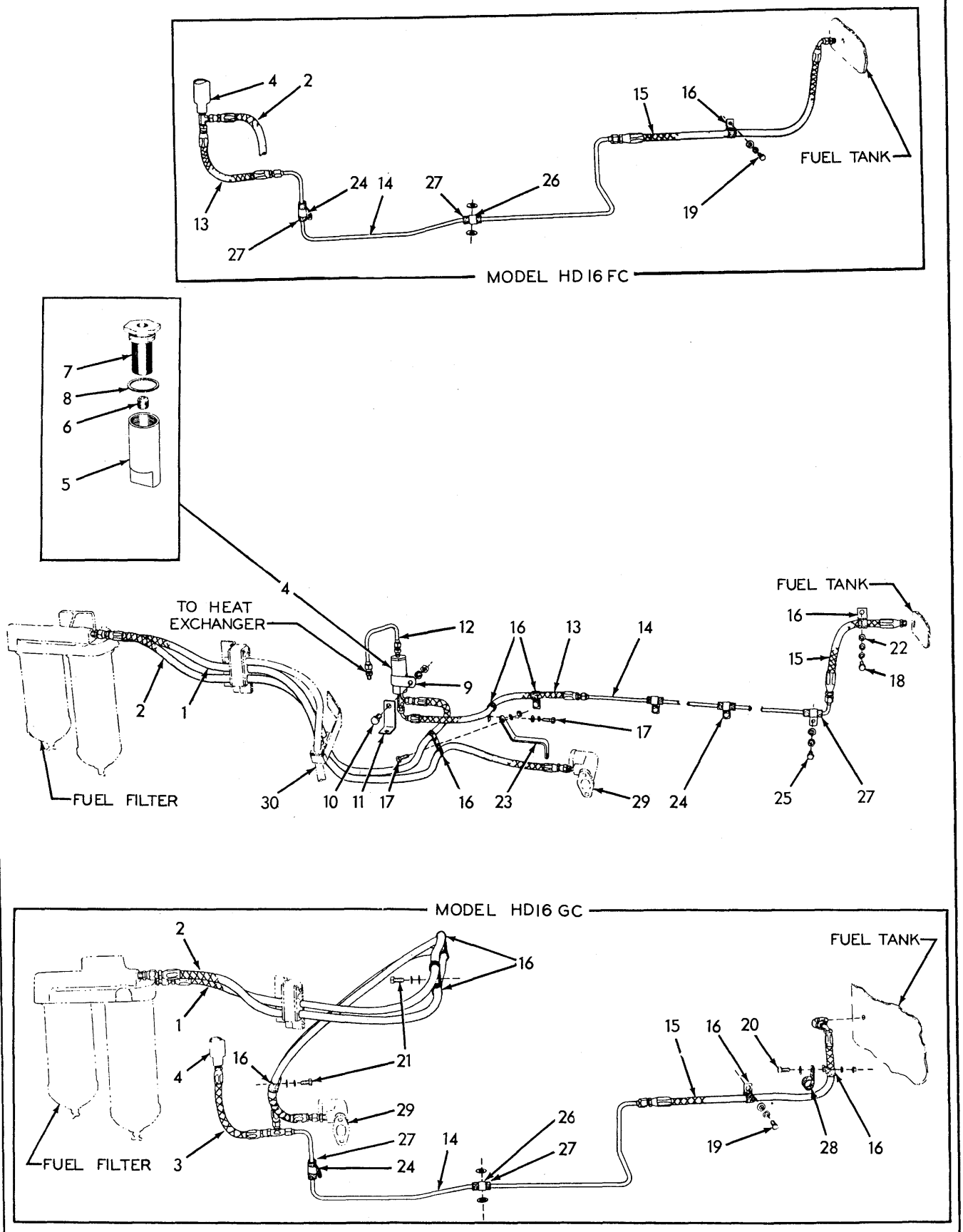
* Model HD16AC, DC
** Model HD16FC, GC

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70087017	1	1	HOSE ASSEMBLY, injection pump fuel return (See HOSE PARTS)
	70915859	1	1	TEE, service, Sealastic, 3/8" tube, 1/4"NPT
	70915291	1	1	ELBOW, flare type, 3/8" tube, 1/4"NPT female
2	70051311	2	2	CLIP, hose supporting (5/8" diam., 17/32" bolt-hole)
3	70083984	1	1	TUBE, injection pump to converter (Not used on Model HD16GC) (Used prior to tractor #2921)
3	70093785	1	1	TUBE, injection pump to converter (Not used on Model HD16GC) (Effective with tractor #2921)
3	70087969	-	1	TUBE, injection pump to converter (Model HD16GC only)
	70918325	2	2	NUT, Sealastic, 3/8" tube
	70915367	2	2	RING, Sealastic, 3/8" tube (Includes ferrule)
	70915368	1	1	CONNECTOR, Sealastic, 3/8" tube, 1/4"NPT male
4	70050686	1	1	CLIP, tube supporting (5/8" diam., 7/16" bolt-hole)
5	70047852	1	1	ELBOW, return line (90°, 1/8"NPT male, 1/4"NPT female)
6	70086793	1	1	SLEEVE, tube protecting (rubber)
7	70083420	1	1	TUBE, injection nozzle fuel return (Used prior to engine #16-2716)
7	70911437	2	2	NUT, compression, 1/4" tube
7	70911435	2	2	SLEEVE, compression, 1/4" tube (brass)
7	70910197	1	1	CONNECTOR, compression, 1/4" tube, 1/8"NPT male (Includes nut and sleeve)
7	70907061	1	1	COUPLING, pipe reducing, 1/4"NPT to 1/8"NPT
7	70094239	1	1	TUBE, injection nozzle fuel return (Effective with engine #16-2716)
7	70917809	2	2	NUT, Imperial, 1/4" tube
7	70917806	2	2	SLEEVE, Imperial, 1/4" tube (rubber)
7	70917812	1	1	CONNECTOR, Imperial, 1/4" tube, 1/8"NPT male (Includes nut and sleeve)
7	70907061	1	1	COUPLING, pipe reducing, 1/4"NPT to 1/8"NPT
8	70083417	1	1	TUBE, tee to filter
	70918325	2	2	NUT, Sealastic, 3/8" tube
	70915367	2	2	RING, Sealastic, 3/8" tube (Includes ferrule)
	70915859	1	1	TEE, service, Sealastic, 3/8" tube, 1/4"NPT male
	70915369	1	1	ELBOW, Sealastic, 90°, 3/8" tube, 1/4"NPT male
9	70079044	1	1	FILTER ASSEMBLY (Consists of items 10 thru 13)
10	70052701	1	1	BODY, filter
11	70079043	1	1	PLUG, filter restricting
12	70042744	1	1	GASKET, filter

(Continued)

FUEL RETURN LINES (Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
13	70052702	1	1	SCREEN, filter
14	70053096	1	1	CLIP, filter supporting
15	70070467	1	1	CAPSCREW, 1/2"NF x 1"
	70904208	1	1	LOCKWASHER, 1/2"
	70911043	1	1	NUT, 1/2"NF
16	70082245	1	1	PLATE, filter mounting
17	70082239	1	1	TUBE, filter to heat exchanger
	70918325	2	2	NUT, Sealastic, 3/8" tube
	70915367	2	2	RING, Sealastic, 3/8" tube (Includes ferrule)
	70915368	1	1	CONNECTOR, Sealastic, 3/8" tube, 1/4"NPT male
	70915369	1	1	ELBOW, Sealastic, 90°, 3/8" tube, 1/4"NPT male
18	70083419	1	-	TUBE, intermediate
	70087900	-	1	TUBE, intermediate
	70918325	2	2	NUT, Sealastic, 3/8" tube
	70915367	2	2	RING, Sealastic, 3/8" tube (Includes ferrule)
	70915386	1	1	UNION, Sealastic, 3/8" tube
19	70083422	1	-	TUBE, rear
	70087818	-	1	TUBE, rear
	70918325	2	2	NUT, Sealastic, 3/8" tube
	70915367	2	2	RING, Sealastic, 3/8" tube (Includes ferrule)
	70915369	1	1	ELBOW, Sealastic, 90°, 3/8" tube, 1/4"NPT
20	70040796	4	1	CLIP, tube supporting (3/8" diam., 13/32" bolt-hole)
	70036034	4	-	CAPSCREW, 3/8"NF x 1"
	70035979	-	1	CAPSCREW, 3/8"NF x 5/8"
	70904206	4	1	LOCKWASHER, 3/8"
	70911115	4	-	WASHER, plain, SAE std., 3/8"
21	70043344	-	2	CLIP, tube supporting (3/8" diam., 9/16" bolt-hole) } Not illustrated
	70910244	-	4	WASHER, plain, SAE std., 1/2"



FUEL RETURN LINES (Second type. Tractors with torque converter)

FUEL RETURN LINES

USAGE: Tractors with torque converter effective with serial No. 4001

* Models HD16AC, DC
** Model HD16FC
*** Model HD16GC

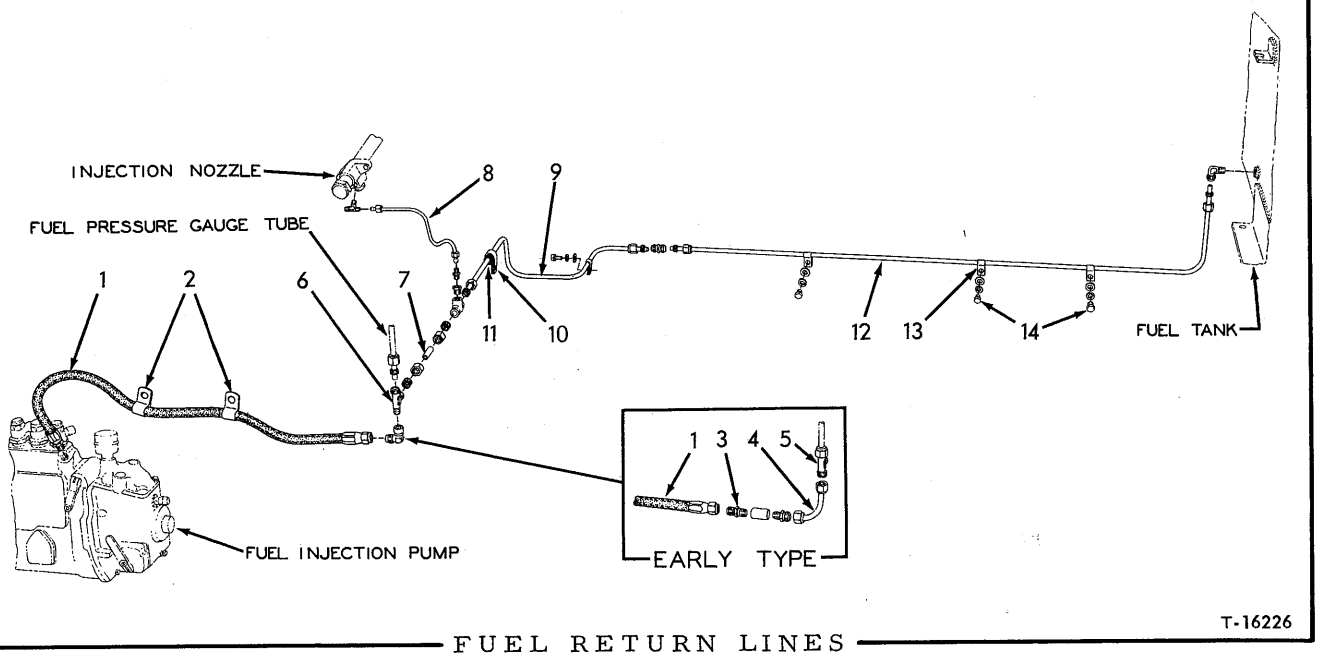
ITEM	PART NO.	QUANTITY *	**	***	DESCRIPTION
1	70096192	1	1	-	HOSE ASSEMBLY, torque converter charging (See HOSE PARTS)
	70094306	-	-	1	HOSE ASSEMBLY, torque converter charging (See HOSE PARTS)
	70919062	2	2	2	CONNECTOR, flare type, 3/8" tube, 1/4"NPT male
2	70094302	1	1	-	HOSE ASSEMBLY, fuel return, front (See HOSE PARTS)
	70094306	-	-	1	HOSE ASSEMBLY, fuel return, front (See HOSE PARTS)
	70919062	1	1	1	CONNECTOR, flare type, 3/8" tube, 1/4"NPT male
	70919483	1	1	-	TEE, flare type, 3/8" tube, 1/4"NPT male
	70919087	-	-	1	TEE, flare type, 3/8" tube
3	70097481	-	-	1	HOSE ASSEMBLY, tee to filter (See HOSE PARTS)
4	70079044	1	1	1	FILTER ASSEMBLY (Consists of items 5 thru 8)
5	70052701	1	1	1	BODY, filter
6	70079043	1	1	1	PLUG, filter restricting
7	70052702	1	1	1	SCREEN, filter
8	70042744	1	1	1	GASKET, filter
9	70053096	1	1	1	CLIP, filter supporting
10	70070467	1	1	1	CAPSCREW, 1/2"NF x 1"
	70904208	1	1	1	LOCKWASHER, 1/2"
	70911043	1	1	1	NUT, 1/2"NF
11	70097331	1	1	1	ANGLE, clip attaching
12	70095688	1	1	1	TUBE ASSEMBLY, filter to heat exchanger (Includes nuts)
	70919062	2	2	2	CONNECTOR, flare type, 3/8" tube, 1/4"NPT male
13	70095583	1	-	-	HOSE ASSEMBLY, fuel return, intermediate (See HOSE PARTS)
	70097634	-	1	-	HOSE ASSEMBLY, fuel return, intermediate (See HOSE PARTS)

(Continued)

FUEL RETURN LINES (Continued)

ITEM	PART NO.	QUANTITY *	**	***	DESCRIPTION
14	70094219	1	-	-	TUBE ASSEMBLY, fuel return (Includes nuts)(Used prior to tractor #5154, excluding #5104)
	70623853	1	-	-	TUBE ASSEMBLY, fuel return (Includes nuts)(Effective with tractor #5154, including #5104)
	70094576	-	1	1	TUBE ASSEMBLY, fuel return (Includes nuts)(Used prior to tractor #5154)
	70623926	-	1	1	TUBE ASSEMBLY, fuel return (Includes nuts)(Effective with tractor #5154)
15	70099591	1	-	-	HOSE ASSEMBLY, fuel return, rear (See HOSE PARTS) (Used prior to tractor #5154, excluding #5104)
	70623850	1	-	-	HOSE ASSEMBLY, fuel return, rear (See HOSE PARTS) (Effective with tractor #5154, including #5104)
	70094533	-	1	-	HOSE ASSEMBLY, fuel return, rear (See HOSE PARTS)
	70095057	-	-	1	HOSE ASSEMBLY, fuel return, rear (See HOSE PARTS)
	70919062	1	1	-	CONNECTOR, flare type, 3/8" tube, 1/4"NPT male (Not used on Models HD16AC, DC after tractor #5154, including #5104)
	70919135	-	-	1	ELBOW, flare type, 3/8" tube, 1/4"NPT male
16	70094422	5	3	8	CLIP, hose supporting
17	70036034	2	1	-	CAPSCREW, 3/8"NF x 1"
18	70012992	1	-	-	CAPSCREW, 3/8"NF x 1-1/4"
19	70035979	-	1	1	CAPSCREW, 3/8"NF x 5/8"
20	70035167	-	-	1	CAPSCREW, 3/8"NF x 7/8"
21	70036032	-	-	3	CAPSCREW, 3/8"NF x 3/4"
	70911115	3	1	5	WASHER, plain, SAE std., 3/8"
	70904206	3	2	5	LOCKWASHER, 3/8"
	70911041	1	1	1	NUT, 3/8"NF
22	70044973	1	-	-	WASHER, plain (For spacing)
23	70098185	1	1	-	ANGLE, hose supporting clip
24	70055234	3	1	1	CLIP, tube supporting
25	70036034	3	-	-	CAPSCREW, 3/8"NF x 1"
	70904206	3	-	-	LOCKWASHER, 3/8"
	70911115	3	-	-	WASHER, plain, SAE std., 3/8"
26	70603830	-	1	1	CLIP, tube supporting (1 additional used prior to tractor #5154)
	70910244	-	2	2	WASHER, plain, SAE std., 1/2" (spacing)(2 additional used prior to tractor #5154)
27	70093751	3	2	2	BOOT, tube protecting (1 additional used on Model HD16FC, GC prior to tractor #5154)
28	70041303	-	-	1	CLIP, hose clip attaching
29	------	1	1	1	ELBOW (See TORQUE CONVERTER AND PIPING)
30	------	1	1	1	HOSE ASSEMBLY (See FUEL SUPPLY LINE)

MEMO



FUEL RETURN LINES

USAGE: Tractors without torque converter prior to serial No. 4001

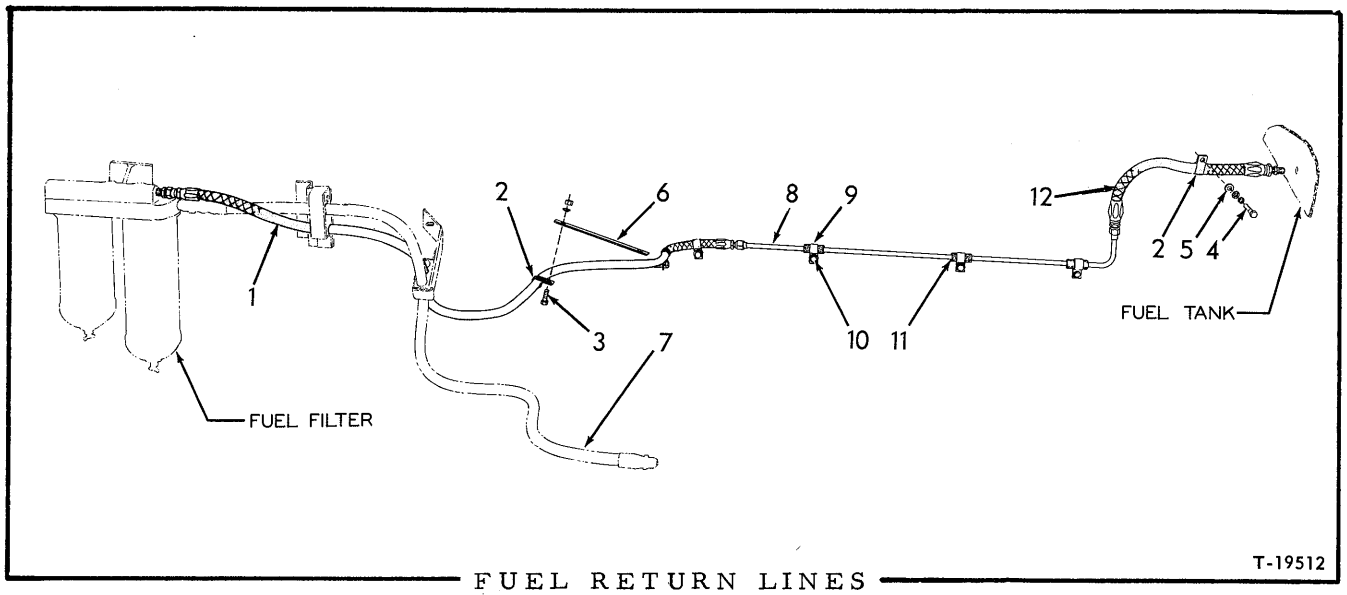
* Tractors prior to serial No. 2047
** Effective with tractor serial No. 2047

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70087017	1	1	HOSE ASSEMBLY, injection pump fuel return (See HOSE PARTS)
2	70051311	2	2	CLIP, hose supporting
3	70912324	1	-	CONNECTOR, flare type, 3/8" tube, 1/4"NPT male
	70901764	1	-	COUPLING, pipe, 1/4"NPT
4	70087064	1	-	TUBE, injection pump fuel return
	70918325	2	-	NUT, Sealastic, 3/8" tube
	70915367	2	-	RING, Sealastic, 3/8" tube (Includes ferrule)
	70915368	1	-	CONNECTOR, Sealastic, 3/8" tube, 1/4"NPT male
5	70087059	1	-	TEE, restricted (Sealastic, 3/8" tube)
6	70090901	-	1	TEE, restricted (Sealastic, 3/8" tube side and end, 1/4"NPT end)
	70915291	-	1	ELBOW, flare type, 3/8" tube, 1/4"NPT female
7	70087142	1	1	TUBE, tee connecting (1-1/2" long)
	70918325	2	2	NUT, Sealastic, 3/8" tube
	70915367	2	2	RING, Sealastic, 3/8" tube (Includes ferrule)
	70917895	1	1	TEE, Sealastic, 3/8" tube ends, 1/4"NPT female side

(Continued)

FUEL RETURN LINES (Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
8	70087158	1	1	TUBE, injection nozzle fuel return (Used prior to engine #16-2716)
	70911437	2	2	NUT, compression, 1/4" tube
	70911435	2	2	SLEEVE, compression, 1/4" tube (brass)
	70910197	1	1	CONNECTOR, compression, 1/4" tube, 1/8"NPT male (Includes nut and sleeve)
	70901825	1	1	BUSHING, pipe reducing, 1/4"NPT to 1/8"NPT
	70093796	-	1	TUBE, injection nozzle fuel return (Effective with engine #16-2716)
	70917809	-	2	NUT, Imperial, 1/4" tube
	70917806	-	2	SLEEVE, Imperial, 1/4" tube (rubber)
	70917812	-	1	CONNECTOR, Imperial, 1/4" tube, 1/8"NPT (Includes nut and sleeve)
	70901825	-	1	BUSHING, pipe reducing, 1/4"NPT to 1/8"NPT
9	70087143	1	1	TUBE, intermediate
	70918325	2	2	NUT, Sealastic, 3/8" tube
	70915367	2	2	RING, Sealastic, 3/8" tube (Includes ferrule)
	70915386	1	1	UNION, Sealastic, 3/8" tube
10	70050686	1	1	CLIP, tube supporting (5/8" diam., 7/16" bolt-hole)
11	70086793	1	1	SLEEVE, intermediate tube clip (rubber)
12	70083422	1	1	TUBE, rear
	70918325	2	2	NUT, Sealastic, 3/8" tube
	70915367	2	2	RING, Sealastic, 3/8" tube (Includes ferrule)
	70915369	1	1	ELBOW, Sealastic, 90°, 3/8" tube, 1/4"NPT male
13	70040796	4	4	CLIP, tube supporting (3/8" diam., 13/32" bolt-hole)
14	70036034	4	4	CAPSCREW, 3/8"NF x 1"
	70904206	4	4	LOCKWASHER, 3/8"
	70911115	4	4	WASHER, plain, SAE std., 3/8"



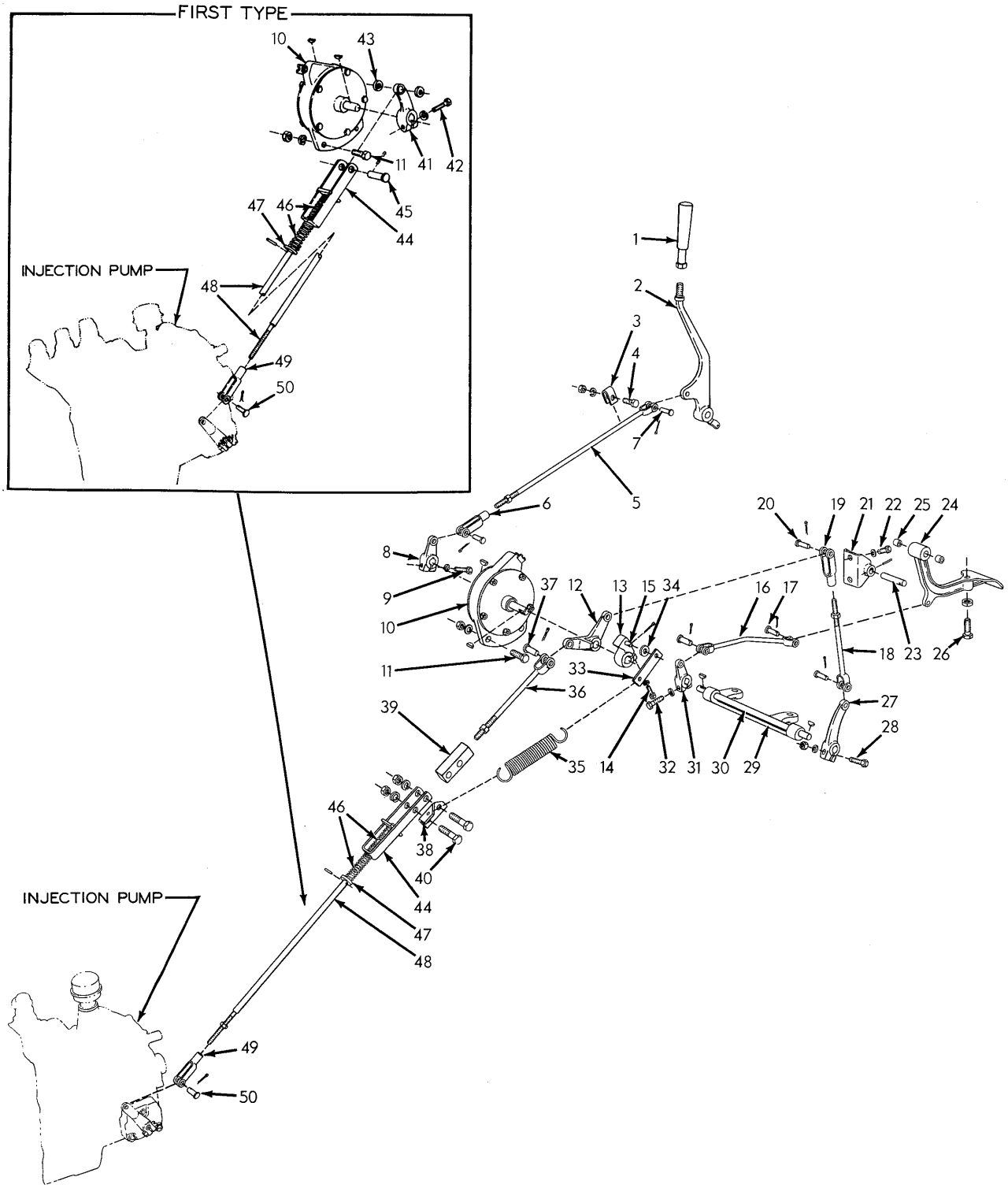
FUEL RETURN LINES

USAGE: Tractors without torque converter effective with serial No. 4001

* Tractors prior to serial No. 5154
** Tractors serial No. 5154 and up

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70096022	1	1	HOSE ASSEMBLY, front (See HOSE PARTS)
	70919062	1	1	CONNECTOR, flare type, 3/8" tube, 1/4"NPT male
2	70094422	3	4	CLIP, hose supporting
3	70036034	3	3	CAPSCREW, 3/8"NF x 1"
4	70012992	-	1	CAPSCREW, 3/8"NF x 1-1/4"
	70911115	2	3	WASHER, plain, SAE std., 3/8"
	70904206	3	4	LOCKWASHER, 3/8"
	70911041	1	1	NUT, 3/8"NF
5	70044973	-	1	WASHER, plain (For spacing)
6	70098213	1	1	PLATE, hose supporting clip
7	------	-	-	HOSE ASSEMBLY (See FUEL SUPPLY LINES)
8	70094219	1	-	TUBE ASSEMBLY (Includes nuts)
	70623853	-	1	TUBE ASSEMBLY (Includes nuts)
9	70055234	3	3	CLIP, tube supporting
10	70036034	3	3	CAPSCREW, 3/8"NF x 1"
	70904206	3	3	LOCKWASHER, 3/8"
	70911115	3	3	WASHER, plain, SAE std., 3/8"
11	70093751	3	3	BOOT, tube protecting
12	70099591	1	-	HOSE ASSEMBLY, rear (See HOSE PARTS)
	70919062	1	-	CONNECTOR, flare type, 3/8" tube, 1/4" NPT male
	70623850	-	1	HOSE ASSEMBLY, rear (See HOSE PARTS)

MEMO



THROTTLE CONTROL (First type. HD16A, AC, D, DC, FC)

THROTTLE CONTROL

USAGE: Model HD16A, AC, D, DC, FC tractors prior to serial No. 4001

* Standard on Model HD16A, D tractors prior to serial No. 4001; also Model HD16AC, DC, FC tractors prior to serial No. 2921.
** Standard on Model HD16AC, DC, FC tractors serial No. 2921 thru No. 4000; optional on Models HD16A, D.

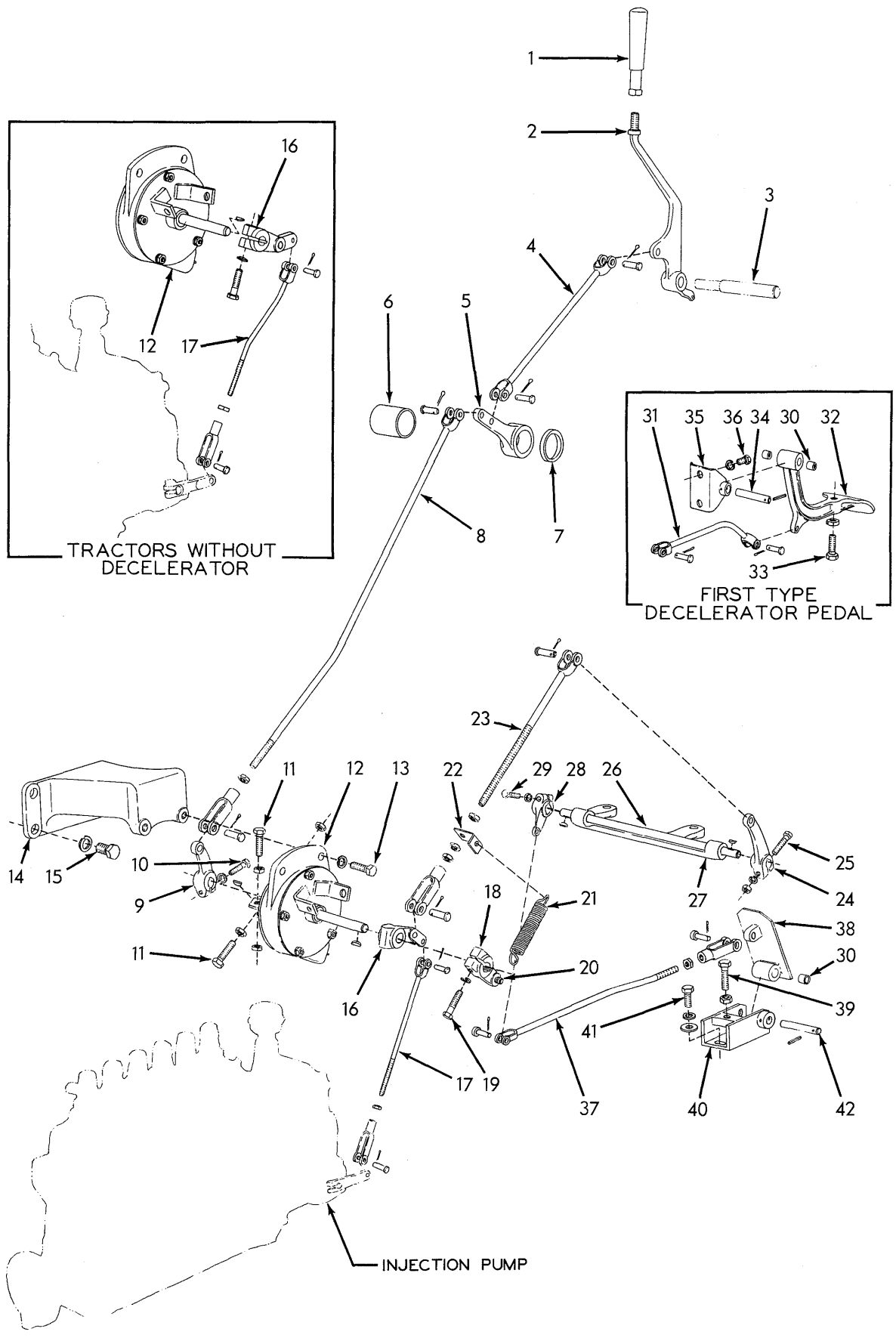
ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70078620	1	1	GRIP, operating lever
2	70074574	1	1	LEVER, operating
3	70080197	1	1	CLAMP, stop, upper rod
4	70012992	1	1	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	1	1	LOCKWASHER, 3/8"
	70911041	1	1	NUT, 3/8"NF
5	70083281	1	1	ROD, upper
	70911041	1	1	NUT, 3/8"NF
6	70628736	1	1	YOKE, upper rod
7	70078810	2	2	PIN, yoke, upper rod
	70900942	2	2	PIN, cotter, 3/32" x 5/8"
8	70040517	1	1	LEVER, upper rod
	70905121	1	1	KEY, #5 woodruff, 1/8" x 5/8"
9	70037450	1	1	CAPSCREW, 5/16"NC x 1-1/4"
	70904205	1	1	LOCKWASHER, 5/16"
10	70081533	1	-	THROTTLE ASSEMBLY (See page 173 for parts)
	70092929	-	1	THROTTLE ASSEMBLY (See page 173 for parts)
11	70012992	2	2	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	2	2	LOCKWASHER, 3/8"
	70911041	2	2	NUT, 3/8"NF
12	70092884	-	1	LEVER, bellcrank
13	70094060	-	1	LEVER ASSEMBLY, retracting spring (Includes item 15)
	70905121	-	1	KEY, #5 woodruff, 1/8" x 5/8"
14	70045295	-	1	CAPSCREW, 5/16"NC x 1"
	70904205	-	1	LOCKWASHER, 5/16"
15	70094059	-	1	PIN, retracting spring lever
	70900942	-	1	PIN, cotter, 3/32" x 5/8"
16	70093807	-	1	ROD, decelerator pedal
17	70078810	-	2	PIN, yoke, decelerator pedal rod
	70900942	-	2	PIN, cotter, 3/32" x 5/8"
18	70092881	-	1	ROD, decelerator control
	70911041	-	1	NUT, 3/8"NF
19	70628736	-	1	YOKE, decelerator control rod
20	70078810	-	2	PIN, yoke, decelerator control rod
	70900942	-	2	PIN, cotter, 3/32" x 5/8"

(Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
21	70092878	-	1	BRACKET, decelerator pedal
22	70036032	-	2	CAPSCREW, 3/8"NF x 3/4"
	70904206	-	2	LOCKWASHER, 3/8"
23	70093685	-	1	SHAFT, decelerator pedal
	70918111	-	1	PIN, roll, 1/8" x 1"
24	70092871	-	1	PEDAL ASSEMBLY, decelerator (Includes item 25)
25	70049988	-	2	BUSHING, decelerator pedal
26	70035733	-	1	CAPSCREW, pedal stop
	70911035	-	1	NUT, jam, 1/2"NC
27	70093797	-	1	LEVER, decelerator cross shaft, left
28	70041981	-	1	CAPSCREW, 5/16"NF x 1-1/2"
	70904205	-	1	LOCKWASHER, 5/16"
	70913636	-	1	NUT, 5/16"NF
29	70092894	-	1	BRACKET, decelerator cross shaft
30	70092893	-	1	SHAFT, cross, decelerator cross shaft
	70905121	-	2	KEY, #5 woodruff, 1/8" x 5/8"
31	70040517	-	1	LEVER, decelerator cross shaft, right
32	70037450	-	1	CAPSCREW, 5/16"NC x 1-1/4"
	70904205	-	1	LOCKWASHER, 5/16"
33	70093077	-	1	CLIP, retracting spring, rear
34	70092665	-	1	WASHER, spacing, rear spring clip
35	70043881	-	1	SPRING, retracting
36	70092881	-	1	ROD, throttle control
	70911041	-	1	NUT, 3/8"NF
37	70078810	-	1	PIN, yoke, throttle control rod
	70900942	-	1	PIN, cotter, 3/32" x 5/8"
38	70093076	-	1	CLIP, retracting spring, front
39	70093078	-	1	BLOCK, rod connecting
40	70035336	-	2	CAPSCREW, 3/8"NF x 1-3/4"
	70904206	-	2	LOCKWASHER, 3/8"
	70911041	-	2	NUT, 3/8"NF
41	70055416	1	-	LEVER, lower rod
	70905121	1	-	KEY, #5 woodruff, 1/8" x 5/8"
42	70037450	1	-	CAPSCREW, 5/16"NC x 1-1/4"
	70904205	1	-	LOCKWASHER, 5/16"
43	70081672	2	-	SPACER, lower rod yoke
44	70078967	1	-	YOKE, lower rod (rear)
	70093079	-	1	YOKE, lower rod (rear)

(Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
45	70082875	1	-	PIN, lower rod yoke (rear)
	70900942	1	-	PIN, cotter, 3/32" x 5/8"
46	70035910	2	2	SPRING, lower rod
47	70044973	1	1	WASHER, lower rod spring
48	70083385	1	-	ROD, lower
	70093137	-	1	ROD, lower
	70916202	1	1	PIN, roll, 1/8" x 7/8"
	70911040	1	1	NUT, 1/4"NF
49	70628737	1	1	YOKE, lower rod (front)
50	70628738	1	1	PIN, lower rod yoke (front)
	70900970	1	1	PIN, cotter, 1/16" x 1/2"



T-22618

THROTTLE CONTROL (Second type. HD16A, AC, D, DC, FC)

THROTTLE CONTROL

USAGE: Model HD16A, AC, D, DC, FC tractors serial No. 4001 and up

* Standard on Models HD16A, D (No decelerator)
** Standard on Models HD16AC, DC, FC; optional on Models HD16A, D (Includes decelerator)

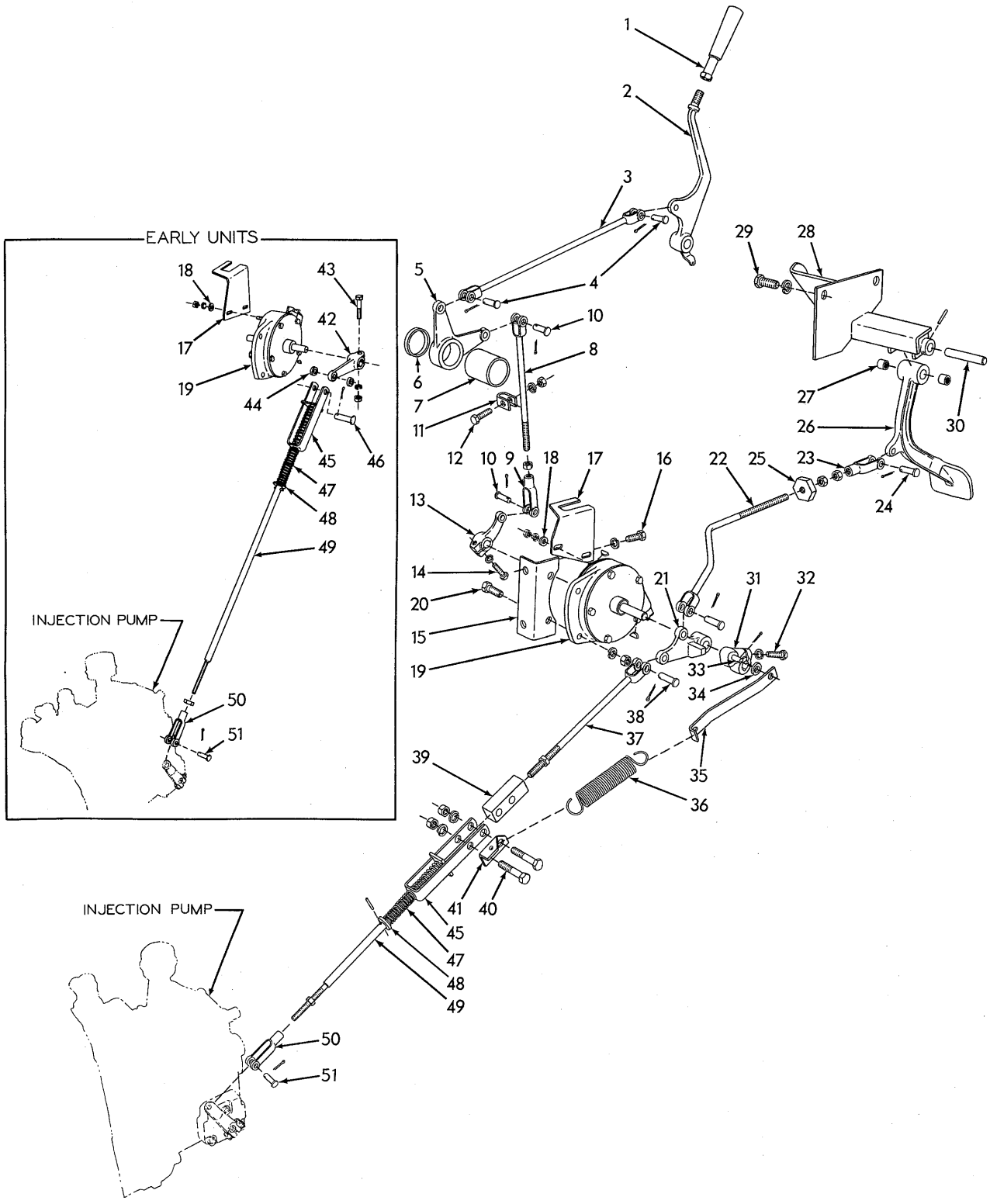
ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70078620	1	1	GRIP, operating lever
2	70074574	1	1	LEVER, operating
3	------	-	-	SHAFT, operating lever (See STEERING LEVERS AND LINKAGE)
4	70097094	1	1	ROD, upper
	70078810	2	2	PIN, yoke, 3/8" diam.
	70900942	2	2	PIN, cotter, 3/32" x 5/8"
5	70096336	1	1	LEVER, upper rod
6	70087673	1	1	SPACER, lever (2-1/8" long)
7	70081132	1	1	SPACER, lever (5/16" thick)
8	70097097	1	1	ROD, intermediate
	70911048	1	1	NUT, jam, 3/8"NF
	70628736	1	1	YOKE, rod end, adjustable, 3/8"NF
	70078810	2	2	PIN, yoke, 3/8" diam.
	70900942	2	2	PIN, cotter, 3/32" x 5/8"
9	70055416	1	1	LEVER, intermediate rod
	70905121	1	1	KEY, #5 woodruff, 1/8" x 5/8"
10	70037450	1	1	CAPSCREW, 5/16"NC x 1-1/4"
	70904205	1	1	LOCKWASHER, 5/16"
11	70036039	2	2	CAPSCREW, lever stop (3/8"NF x 1-3/8")
	70911048	2	2	NUT, jam, 3/8"NF
	70911041	2	2	NUT, 3/8"NF
12	70096350	1	1	THROTTLE ASSEMBLY (See page 173 for parts)
13	70012992	2	2	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	2	2	LOCKWASHER, 3/8"
14	70096341	1	1	BRACKET, throttle mounting
15	70097494	3	3	CAPSCREW, 1/2"NC x 1",(Nylok)
	70904208	3	3	LOCKWASHER, 1/2"
16	70097340	1	-	LEVER, lower rod
	70905121	1	-	KEY, #5 woodruff, 1/8" x 5/8"
	70037450	1	-	CAPSCREW, 5/16"NC x 1-1/4"
	70904205	1	-	LOCKWASHER, 5/16"
	70096334	-	1	LEVER, decelerator rod
17	70097621	1	-	ROD, lower (offset)
	70096241	-	1	ROD, lower (straight)
	70910267	1	1	NUT, jam, 1/4"NF
	70628737	1	1	YOKE, rod end, adjustable, 1/4"NF
	70628738	2	2	PIN, yoke, 1/4" diam.
	70900970	2	2	PIN, cotter, 1/16" x 1/2"

(Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
18	70096244	-	1	LEVER ASSEMBLY, retracting spring (Includes item 20)
	70905121	-	1	KEY, #5 woodruff, 1/8" x 5/8"
19	70037450	-	1	CAPSCREW, 5/16"NC x 1-1/4"
	70904205	-	1	LOCKWASHER, 5/16"
20	70096242	-	1	PIN, retracting spring lever
21	70049108	-	1	SPRING, retracting
22	70096337	-	1	ANGLE, retracting spring
	70911048	-	2	NUT, jam, 3/8"NF
23	70097093	-	1	ROD, front, decelerator
	70911048	-	1	NUT, jam, 3/8"NF
	70628736	-	1	YOKE, rod end, adjustable, 3/8"NF
	70078810	-	2	PIN, yoke, 3/8" diam.
	70900942	-	2	PIN, cotter, 3/32" x 5/8"
24	70093797	-	1	LEVER, decelerator cross shaft, left
	70905121	-	1	KEY, #5 woodruff, 1/8" x 5/8"
25	70041981	-	1	CAPSCREW, 5/16"NF x 1-1/2"
	70904205	-	1	LOCKWASHER, 5/16"
	70913636	-	1	NUT, 5/16"NF
26	70097092	-	1	SHAFT, cross, decelerator control
27	70092894	-	1	BRACKET, decelerator cross shaft
28	70040517	-	1	LEVER, decelerator cross shaft, right
	70905121	-	1	KEY, #5 woodruff, 1/8" x 5/8"
29	70037450	-	1	CAPSCREW, 5/16"NC x 1-1/4"
	70904205	-	1	LOCKWASHER, 5/16"
30	70049988	-	2	BUSHING, decelerator pedal
				NOTE: Items 31 thru 36 comprise the FIRST TYPE DECELERATOR PEDAL design used on tractors prior to serial No. 5099 excluding No. 5047
31	70097095	-	1	ROD, rear, decelerator
	70078810	-	2	PIN, yoke, 3/8" diam.
	70900942	-	2	PIN, cotter, 3/32" x 5/8"
32	70092871	-	1	PEDAL ASSEMBLY, decelerator (Includes item 30)
33	70035733	-	1	CAPSCREW, pedal stop (1/2"NC x 1-3/8")
	70911035	-	1	NUT, jam, 1/2"NC
34	70093685	-	1	SHAFT, decelerator pedal
	70918111	-	1	PIN, roll, 1/8" x 1"
35	70092878	-	1	BRACKET, decelerator pedal
36	70036032	-	2	CAPSCREW, 3/8"NF x 3/4"
	70904206	-	2	LOCKWASHER, 3/8"

(Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
				NOTE: Items 37 thru 42 comprise the SECOND TYPE DECELERATOR PEDAL design effective with tractor serial No. 5099 including No. 5047.
37	70621213	-	1	ROD, decelerator pedal
	70911048	-	1	NUT, jam, 3/8"NF
	70628736	-	1	YOKE, rod end, adjustable, 3/8"NF
	70078810	-	2	PIN, yoke, 3/8" diam.
	70900942	-	2	PIN, cotter, 3/32" x 5/8"
38	70620946	-	1	PEDAL ASSEMBLY, decelerator (Includes item 30)
39	70036203	-	1	SCREW, pedal stop
	70911035	-	1	NUT, jam, 1/2"NC
40	70620951	-	1	BRACKET, decelerator pedal
41	70044249	-	2	CAPSCREW, 3/8"NC x 1-1/8"
	70904206	-	2	LOCKWASHER, 3/8"
	70911115	-	2	WASHER, plain, SAE std., 3/8"
42	70620955	-	1	SHAFT, decelerator pedal
	70918111	-	1	PIN, roll, 1/8" x 1"



THROTTLE CONTROL (First type. HD16GC)

THROTTLE CONTROL

USAGE: Model HD16GC tractors prior to serial No. 4001

* Tractors prior to serial No. 3067
** Tractors serial No. 3067 and up

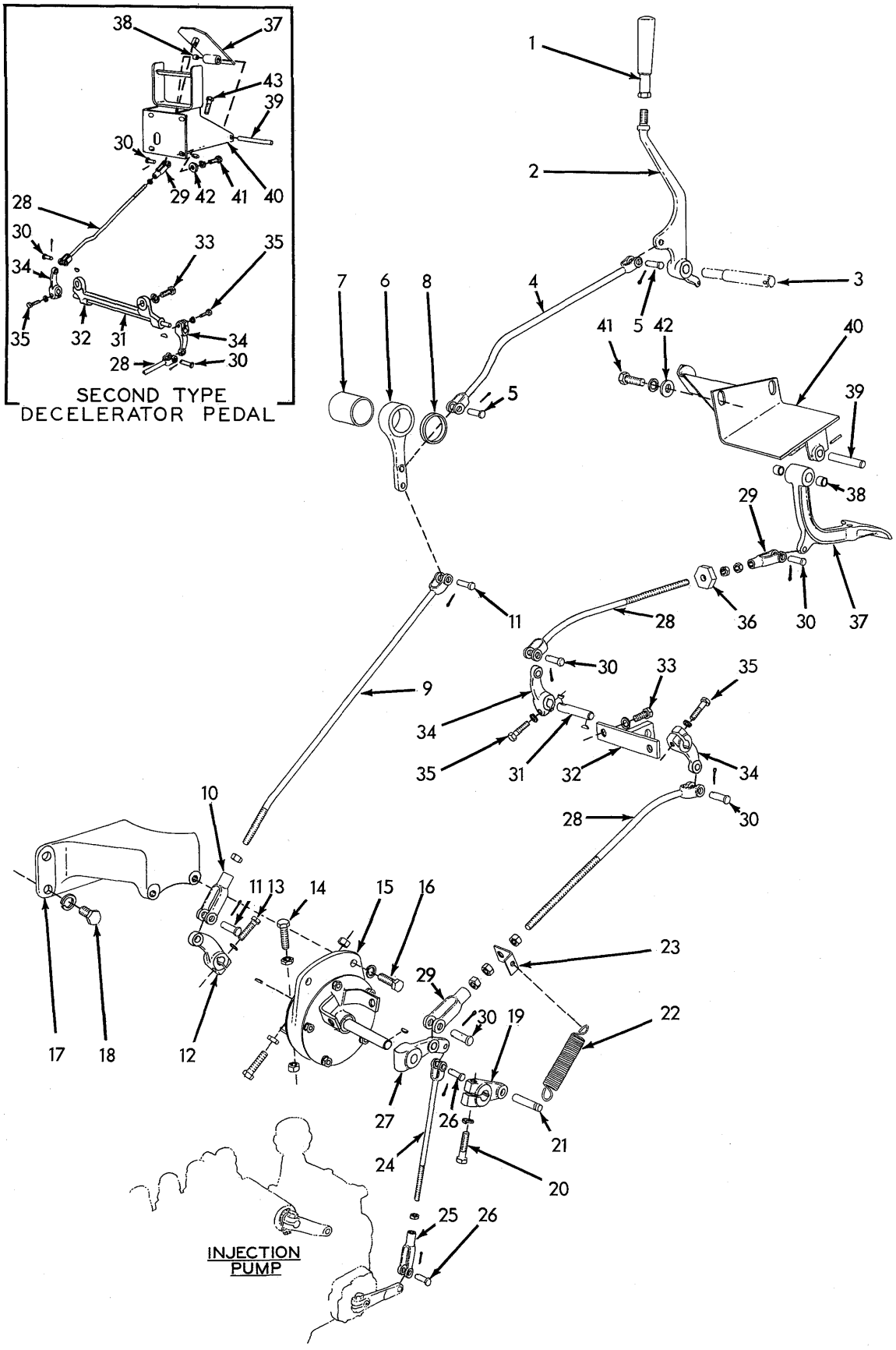
ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70078620	1	1	GRIP, operating lever
2	70074574	1	1	LEVER, operating
3	70052569	1	1	ROD, upper
4	70078810	2	2	PIN, yoke, upper rod
	70900942	2	2	PIN, cotter, 3/32" x 5/8"
5	70087698	1	1	BELLCRANK, upper rod
6	70081132	1	1	SPACER, bellcrank (5/16" thick)
7	70087673	1	1	SPACER, bellcrank (2-1/8" thick)
8	70081593	1	1	ROD, intermediate
	70911041	1	1	NUT, 3/8"NF
9	70628736	1	1	YOKE, intermediate rod
10	70078810	2	2	PIN, yoke, intermediate rod
	70900942	2	2	PIN, cotter, 3/32" x 5/8"
11	70080197	1	1	CLAMP, stop, intermediate rod
12	70012992	1	1	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	1	1	LOCKWASHER, 3/8"
	70911041	1	1	NUT, 3/8"NF
13	70090438	1	1	LEVER, intermediate rod
	70905121	1	1	KEY, #5 woodruff, 1/8" x 5/8"
14	70037450	1	1	CAPSCREW, 5/16"NC x 1-1/4"
	70904205	1	1	LOCKWASHER, 5/16"
15	70087639	1	1	BRACKET, throttle attaching
16	70036034	2	2	CAPSCREW, 3/8"NF x 1"
	70904206	2	2	LOCKWASHER, 3/8"
17	70087619	1	-	BRACKET, throttle stop
	70095163	-	1	BRACKET, throttle stop
18	70092635	2	2	WASHER, throttle mounting
19	70087700	1	-	THROTTLE ASSEMBLY (See page 173 for parts)
	70095156	-	1	THROTTLE ASSEMBLY (See page 173 for parts)
20	70012992	2	2	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	2	2	LOCKWASHER, 3/8"
	70911041	2	2	NUT, 3/8"NF
21	70093829	-	1	LEVER, bellcrank

(Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
22	70093813	-	1	ROD, decelerator pedal
	70911041	-	2	NUT, 3/8"NF
23	70628736	-	1	YOKE, decelerator pedal rod
24	70078810	-	2	PIN, yoke, decelerator pedal rod
	70900942	-	2	PIN, cotter, 3/32" x 5/8"
25	70093780	-	1	NUT, stop, decelerator pedal
26	70092871	-	1	PEDAL ASSEMBLY, decelerator (Includes item 27)
27	70049988	-	2	BUSHING, decelerator pedal
28	70093749	-	1	BRACKET, decelerator pedal
29	70035061	-	2	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	-	2	LOCKWASHER, 1/2"
30	70093685	-	1	SHAFT, decelerator pedal
	70918111	-	1	PIN, roll, 1/8" x 1"
31	70094060	-	1	LEVER ASSEMBLY, retracting spring (Includes item 33)
	70905121	-	1	KEY, #5 woodruff, 1/8" x 5/8"
32	70045295	-	1	CAPSCREW, 5/16"NC x 1"
	70904205	-	1	LOCKWASHER, 5/16"
33	70094059	-	1	PIN, retracting spring lever
	70900942	-	1	PIN, cotter, 3/32" x 5/8"
34	70092665	-	1	WASHER, spacing, rear spring clip
35	70093803	-	1	CLIP, retracting spring, rear
36	70043881	-	1	SPRING, retracting
37	70095150	-	1	ROD, throttle control
	70911041	-	1	NUT, 3/8"NF
38	70078810	-	1	PIN, yoke, throttle control rod
	70900942	-	1	PIN, cotter, 3/32" x 5/8"
39	70093078	-	1	BLOCK, rod connecting
40	70035336	-	2	CAPSCREW, 3/8"NF x 1-3/4"
	70904206	-	2	LOCKWASHER, 3/8"
	70911041	-	2	NUT, 3/8"NF
41	70093076	-	1	CLIP, retracting spring, front
42	70081619	1	-	LEVER, lower rod
	70905121	1	-	KEY, #5 woodruff, 1/8" x 5/8"
43	70041981	1	-	CAPSCREW, 5/16"NF x 1-1/2"
	70904205	1	-	LOCKWASHER, 5/16"
	70913636	1	-	NUT, 5/16"NF
44	70081672	2	-	SPACER, lower rod yoke

(Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
45	70078967	1	-	YOKE, lower rod (rear)
	70093079	-	1	YOKE, lower rod (rear)
46	70082875	1	-	PIN, lower rod yoke (rear)
	70900942	1	-	PIN, cotter, 3/32" x 5/8"
47	70035910	2	2	SPRING, lower rod
48	70044973	1	1	WASHER, lower rod spring
49	70087614	1	-	ROD, lower
	70093831	-	1	ROD, lower
	70916202	1	1	PIN, roll, 1/8" x 7/8"
	70911040	1	1	NUT, 1/4"NF
50	70628737	1	1	YOKE, lower rod (front)
51	70628738	1	1	PIN, lower rod yoke (front)
	70900970	1	1	PIN, cotter, 1/16" x 1/2"



THROTTLE CONTROL (Second type. HD16GC)

THROTTLE CONTROL

USAGE: Model HD16GC tractors serial No. 4001 and up

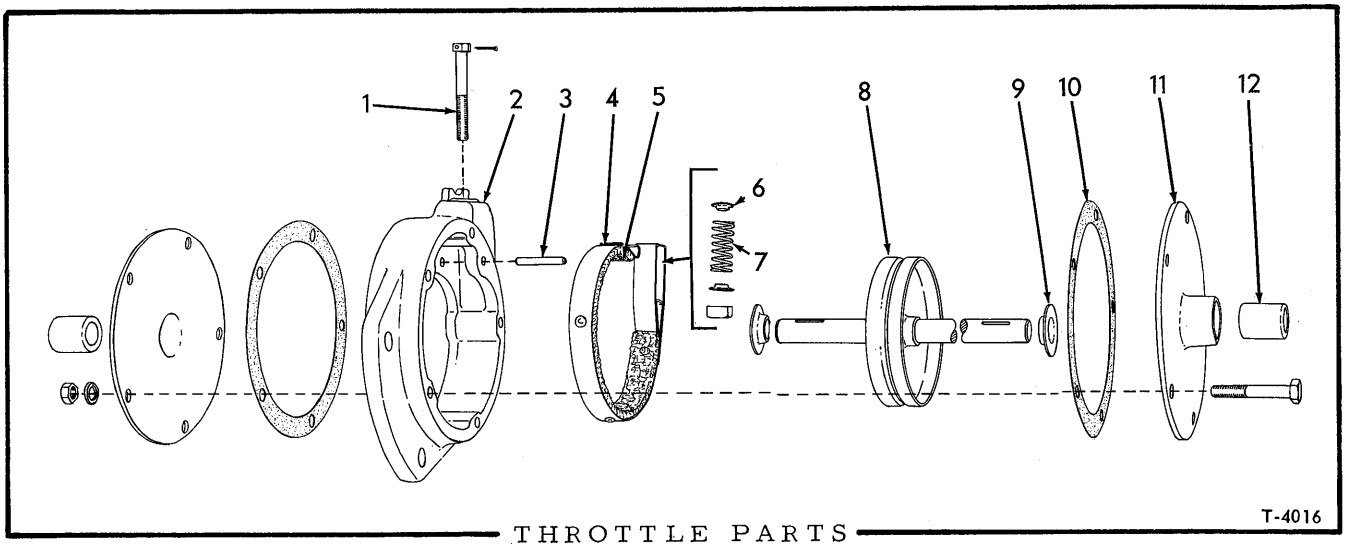
* Tractors prior to serial No. 5154
** Tractors serial No. 5154 and up

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70078620	1	1	GRIP, operating lever
2	70074574	1	1	LEVER, operating
3	------	-	-	SHAFT, operating lever (See STEERING LEVERS AND LINKAGE)
4	70097265	1	-	ROD, upper
	70630051	-	1	ROD, upper
5	70078810	2	2	PIN, upper rod
	70900942	2	2	PIN, cotter, 3/32" x 5/8"
6	70096336	1	1	LEVER, upper rod
7	70087673	1	1	SPACER, lever (2-1/8" long)
8	70081132	1	1	SPACER, lever (5/16" thick)
9	70097267	1	1	ROD, intermediate
	70911048	1	1	NUT, jam, 3/8"NF
10	70628736	1	1	YOKE, intermediate rod
11	70078810	2	2	PIN, yoke, 3/8" diam.
	70900942	2	2	PIN, cotter, 3/32" x 5/8"
12	70055416	1	1	LEVER, intermediate rod
	70905121	1	1	KEY, #5 woodruff, 1/8" x 5/8"
13	70037450	1	1	CAPSCREW, 5/16"NC x 1-1/4"
	70904205	1	1	LOCKWASHER, 5/16"
14	70036039	2	2	CAPSCREW, lever stop (3/8"NF x 1-3/8")
	70911048	2	2	NUT, jam, 3/8"NF
	70911041	2	2	NUT, 3/8"NF
15	70096350	1	1	THROTTLE ASSEMBLY (See page 173 for parts)
16	70012992	2	2	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	2	2	LOCKWASHER, 3/8"
17	70096341	1	1	BRACKET, throttle mounting
18	70097494	3	3	CAPSCREW, 1/2"NC x 1", (Nylok)
	70904208	3	3	LOCKWASHER, 1/2"
19	70096244	1	1	LEVER ASSEMBLY, retracting spring (Includes item 21)
	70905121	1	1	KEY, #5 woodruff, 1/8" x 5/8"
20	70037450	1	1	CAPSCREW, 5/16"NC x 1-1/4"
	70904205	1	1	LOCKWASHER, 5/16"
21	70096242	1	1	PIN, retracting spring lever
22	70049108	1	1	SPRING, retracting
23	70096337	1	1	ANGLE, retracting spring
	70911048	2	2	NUT, jam, 3/8"NF

(Continued)

THROTTLE CONTROL (Continued)

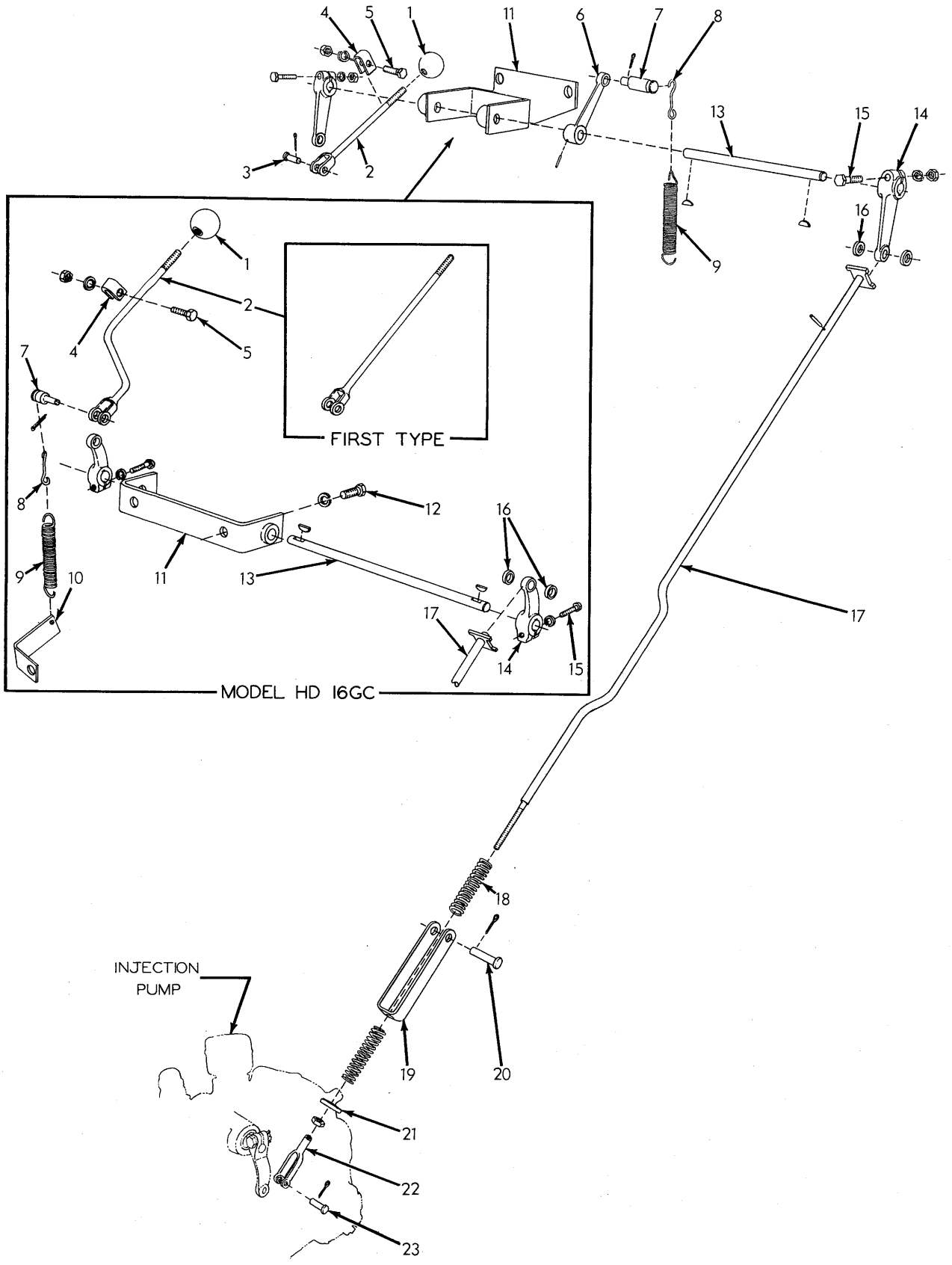
ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
24	70096241	1	1	ROD, lower
	70910267	1	1	NUT, jam, 1/4"NF
25	70628737	1	1	YOKE, lower rod
26	70628738	2	2	PIN, lower rod
	70900970	2	2	PIN, cotter, 1/16" x 1/2"
27	70096334	1	1	LEVER, decelerator rod
28	70097266	1	1	ROD, front, decelerator
	70097266	1	-	ROD, rear, decelerator
	70624089	-	1	ROD, rear, decelerator
	70911048	2	2	NUT, jam, 3/8"NF
29	70628736	2	2	YOKE, decelerator rod
30	70078810	4	4	PIN, decelerator rod
	70900942	4	4	PIN, cotter, 3/32" x 5/8"
31	70097264	1	-	SHAFT, cross, decelerator
	70096397	-	1	SHAFT, cross, decelerator
32	70097263	1	-	BRACKET, decelerator cross shaft
	70092886	-	1	BRACKET, decelerator cross shaft
33	70036034	2	-	CAPSCREW, 3/8"NF x 1"
	70614478	-	2	CAPSCREW, 1/2"NF x 1-3/8"
	70904206	2	-	LOCKWASHER, 3/8"
	70904208	-	2	LOCKWASHER, 1/2"
34	70055416	2	2	LEVER, decelerator cross shaft
	70915121	2	2	KEY, #5 woodruff, 1/8" x 5/8"
35	70037450	2	2	CAPSCREW, 5/16"NC x 1-1/4"
	70904205	2	2	LOCKWASHER, 5/16"
36	70093780	1	-	NUT, stop, decelerator pedal
	70911048	1	-	NUT, jam, 3/8"NF
37	70092871	1	-	PEDAL ASSEMBLY, decelerator (Includes item 38)
	70622576	-	1	PEDAL ASSEMBLY, decelerator (Includes item 38)
38	70049988	2	2	BUSHING, decelerator pedal
39	70093685	1	-	SHAFT, decelerator pedal
	70622575	-	1	SHAFT, decelerator pedal
	70918111	1	1	PIN, roll, 1/8" x 1"
40	70097260	1	-	BRACKET, decelerator pedal
	70622569	-	1	BRACKET, decelerator pedal
41	70035190	2	4	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	2	4	LOCKWASHER, 1/2"
42	70064531	2	4	WASHER, plain
43	70036203	-	1	CAPSCREW, decelerator stop (1/2"NC x 1-3/4")
	70911035	-	1	NUT, jam, 1/2"NC



THROTTLE PARTS

70081533 THROTTLE ASSEMBLY (See page 159)
70087700 THROTTLE ASSEMBLY (See page 167)
70092929 THROTTLE ASSEMBLY (See page 159)
70095156 THROTTLE ASSEMBLY (See page 167)
70096350 THROTTLE ASSEMBLY (See pages 163 & 171)

ITEM	PART NO.	QUANTITY 70081533	70087700	70092929	70095156	70096350	DESCRIPTION
1	70068862	1	1	1	1	1	CAPSCREW, friction band adjustment
	70904020	1	1	1	1	1	PIN, cotter, 1/16" x 1"
	70901150	1	1	1	1	1	NUT, square, 1/4"NC
2	70068859	1	1	1	1	1	HOUSING
3	70068869	1	1	1	1	1	PIN, friction band
4	70068861	1	1	1	1	1	BAND ASSEMBLY, friction (Includes item 5)
5	70068864	1	1	1	1	1	LINING, friction band
	70915707	4	4	4	4	4	RIVET, tubular, brass, 9/64" x 1/4"
6	70069349	2	2	2	2	2	COLLAR, friction band spring
7	70068911	1	1	1	1	1	SPRING, friction band
8	70081526	1	-	-	-	-	DRUM AND SHAFT
	70073033	-	1	-	-	-	DRUM AND SHAFT
	70092891	-	-	1	-	-	DRUM AND SHAFT
	70095081	-	-	-	1	-	DRUM AND SHAFT
	70096347	-	-	-	-	1	DRUM AND SHAFT
9	70069996	2	2	2	2	2	WASHER, thrust
10	70068865	2	2	2	2	2	GASKET, cover plate
11	70068866	2	2	2	2	-	PLATE ASSEMBLY, cover
	70096348	-	-	-	-	1	PLATE ASSEMBLY, cover, outer
	70096349	-	-	-	-	1	PLATE ASSEMBLY, cover, inner
							Includes item 12
	70914892	5	3	5	3	5	CAPSCREW, 1/4"NF x 1-3/4"
	70916933	-	2	-	2	-	CAPSCREW, 1/4"NF x 2" (Attaches stop bracket)
	70904204	5	5	5	5	5	LOCKWASHER, 1/4"
	70911040	5	5	5	5	5	NUT, 1/4"NF
12	70071800	2	2	2	2	2	BUSHING, throttle shaft



ENGINE SHUT-OFF CONTROL (First type)

ENGINE SHUT-OFF CONTROL

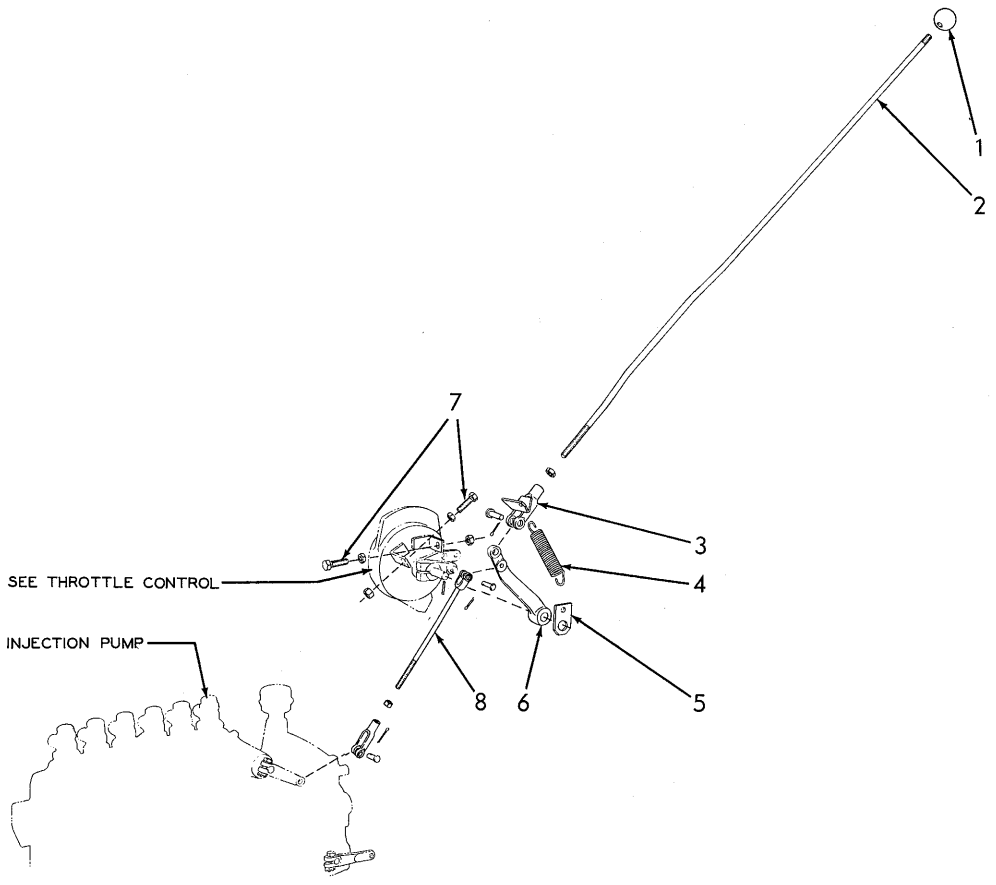
USAGE: Tractors prior to serial No. 4001

* Models HD16A, AC, D, DC, FC
** Model HD16GC

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70091855	1	1	KNOB, shut-off rod
2	70081119	1	-	ROD, upper
	70087636	-	1	ROD, upper (Used prior to tractor #2612)
	70093037	-	1	ROD, upper (Effective with tractor #2612)
3	70078810	1	-	PIN, yoke, upper rod
	70900942	1	-	PIN, cotter, 3/32" x 5/8"
4	70080197	1	1	CLAMP, stop, upper rod
5	70012992	1	1	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	1	1	LOCKWASHER, 3/8"
	70911041	1	1	NUT, 3/8"NF
6	70081443	1	-	LEVER, retracting spring
	70916202	1	-	PIN, roll, 1/8" x 7/8"
7	70083309	1	-	PIN, retracting spring
	70087672	-	1	PIN, retracting spring
	70900942	1	1	PIN, cotter, 3/32" x 5/8"
8	70081440	1	1	LINK, spring retaining
9	70072438	1	1	SPRING, retracting
10	70087624	-	1	STRAP, retracting spring
11	70083333	1	-	BRACKET, cross shaft
	70087683	-	1	BRACKET, cross shaft
12	70036034	-	2	CAPSCREW, 3/8"NF x 1"
	70904206	-	2	LOCKWASHER, 3/8"
13	70083310	1	-	SHAFT, cross
	70087682	-	1	SHAFT, cross
14	70081619	2	-	LEVER, cross shaft
	70055416	-	2	LEVER, cross shaft
	70905121	2	2	KEY, #5 woodruff, 1/8" x 5/8"
15	70041981	2	-	CAPSCREW, 5/16"NF x 1-1/2"
	70037450	-	2	CAPSCREW, 5/16"NC x 1-1/4"
	70904205	2	2	LOCKWASHER, 5/16"
	70913636	2	-	NUT, 5/16"NF
16	70081672	2	2	SPACER, lower rod yoke

(Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
17	70083382	1	-	ROD, lower
	70087600	-	1	ROD, lower
	70916202	1	1	PIN, roll, 1/8" x 7/8"
	70911040	1	1	NUT, 1/4"NF
18	70035910	2	2	SPRING, lower rod
19	70078967	1	1	YOKE, lower rod (rear)
20	70082875	1	1	PIN, lower rod yoke (rear)
	70900942	1	1	PIN, cotter, 3/32" x 5/8"
21	70044973	1	1	WASHER, lower rod spring
22	70628737	1	1	YOKE, lower rod (front)
23	70628738	1	1	PIN, lower rod yoke (front)
	70900970	1	1	PIN, cotter, 1/16" x 1/2"

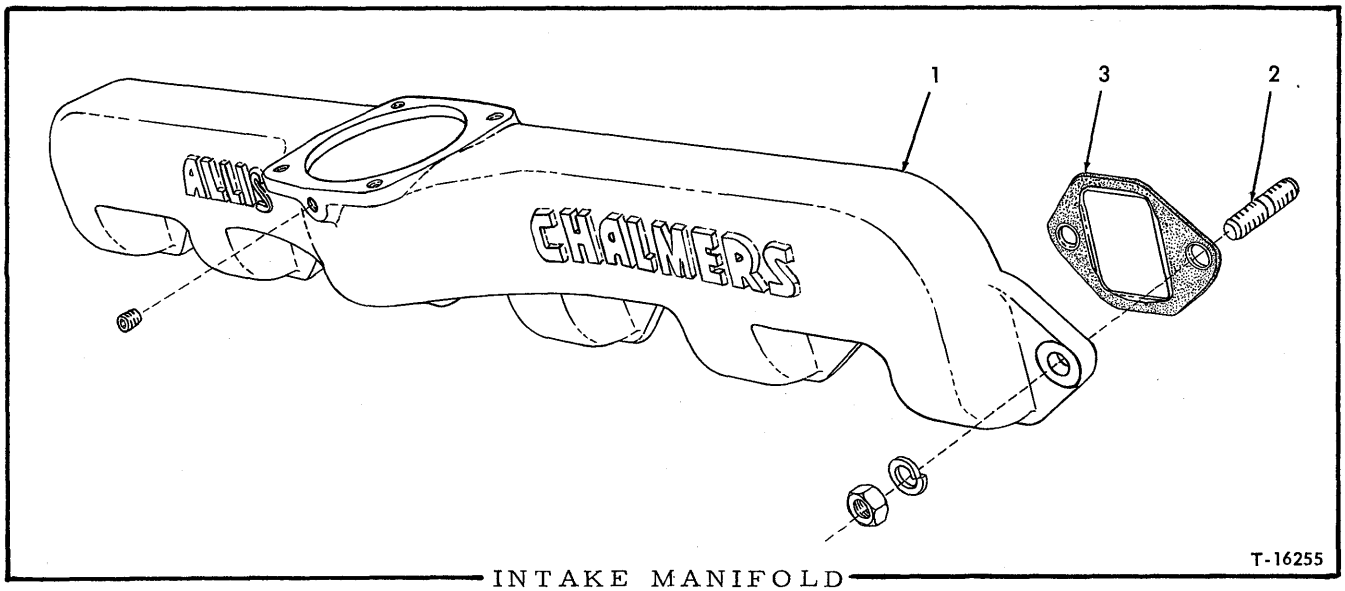


ENGINE SHUT-OFF CONTROL (Second type) T-19659

ENGINE SHUT-OFF CONTROL

USAGE: Tractors serial No. 4001 and up

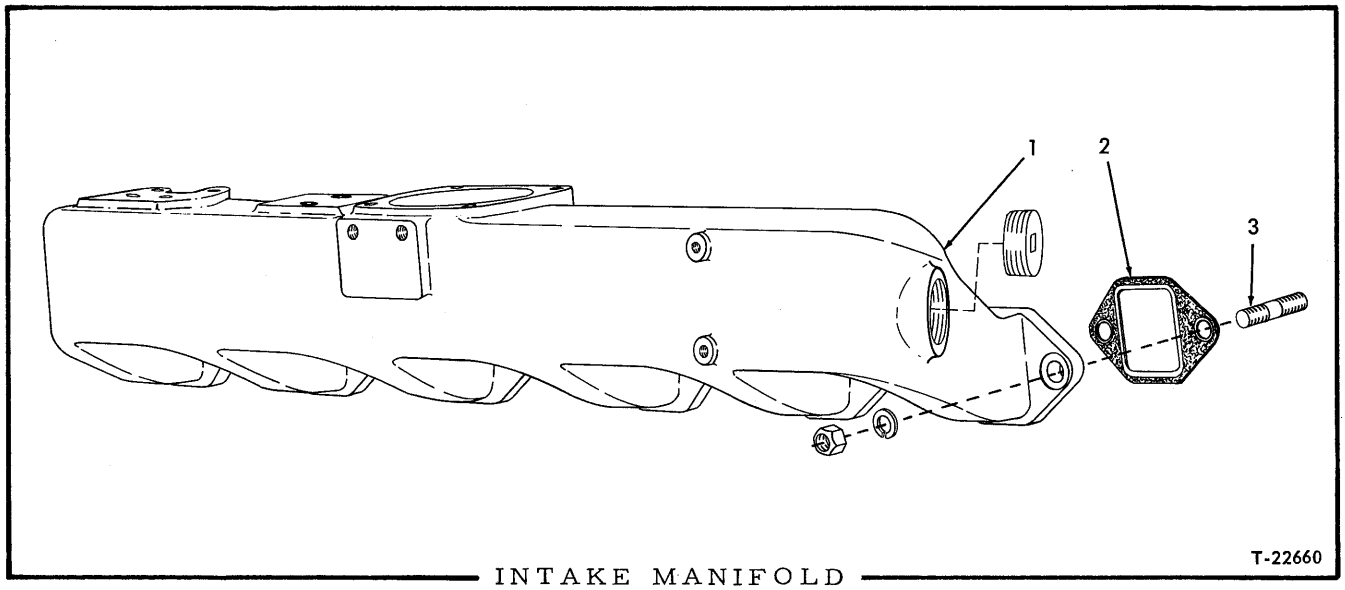
ITEM	PART NO.	QTY.	DESCRIPTION
1	70091855	1	KNOB, shut-off rod
2	70097096	1	ROD, upper (All models except HD16GC)
	70095664	1	ROD, upper (Model HD16GC)
	70911048	1	NUT, jam, 3/8"NF
3	70096339	1	YOKE, upper rod
	70078810	1	PIN, yoke, 3/8" diam.
	70900942	1	PIN, cotter, 3/32" x 5/8"
4	70088428	1	SPRING, shut-off rod
5	70096398	1	CLIP, spring attaching
	70916014	1	PIN, roll, 3/32" x 3/4"
6	70096342	1	LEVER, shut-off rod
7	70036039	2	CAPSCREW, lever stop (3/8"NF x 1-3/8")
	70911048	2	NUT, jam, 3/8"NF
	70911041	2	NUT, 3/8"NF
8	70096241	1	ROD, lower
	70910267	1	NUT, jam, 1/4"NF
	70628737	1	YOKE, rod end, adjustable, 1/4"NF
	70628738	2	PIN, yoke, 1/4" diam.
	70900970	2	PIN, cotter, 1/16" x 1/2"



INTAKE MANIFOLD

USAGE: Tractors prior to serial No. 4001

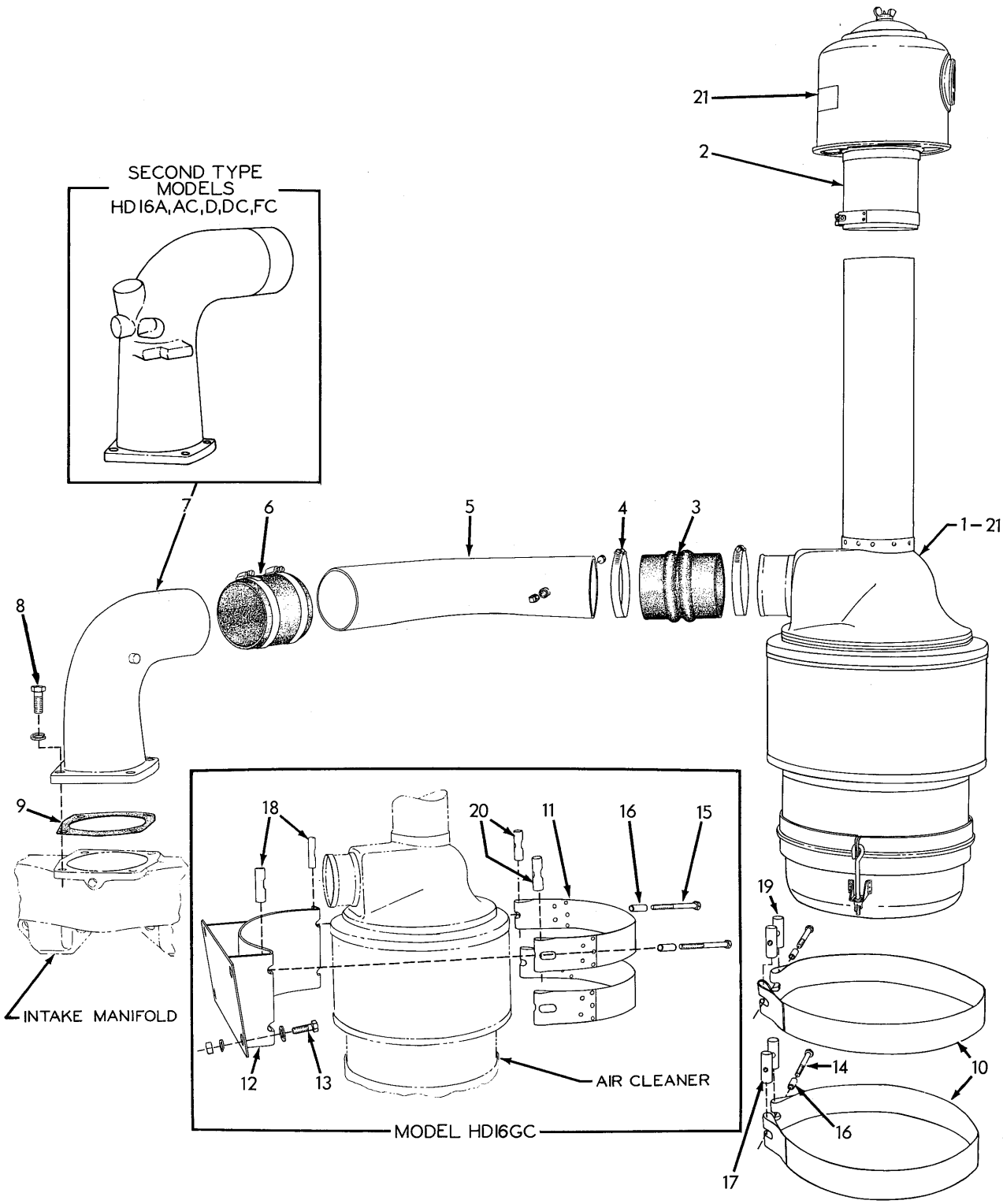
ITEM	PART NO.	QTY.	DESCRIPTION
1	74371860	1	MANIFOLD, intake
	70907070	1	PLUG, pipe, ctsk-hd., 1/4"NPT
2	74367187	12	STUD, intake manifold
	70910195	12	NUT, 1/2"NF
	70904208	12	LOCKWASHER, 1/2"
3	74387697	6	□ GASKET, intake manifold



INTAKE MANIFOLD

USAGE: Tractors serial No. 4001 and up

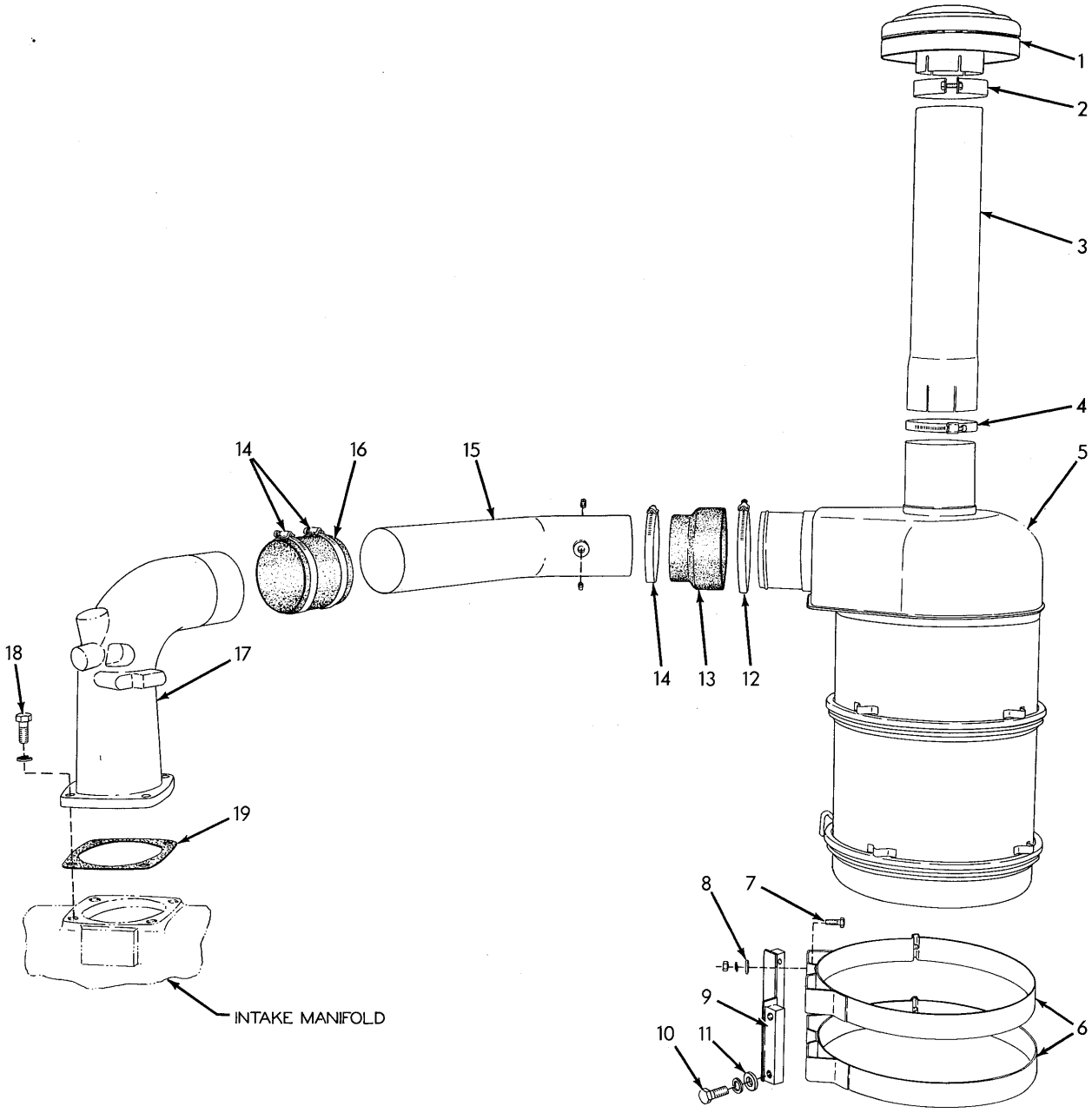
ITEM	PART NO.	QTY.	DESCRIPTION
1	74386948	1	MANIFOLD, air intake
	70901668	1	PLUG, pipe, ctsk-hd., 1-1/2"NPT
2	74387697	6	□ GASKET, intake manifold
3	74386041	7	STUD (2-5/16" long)
	74367187	5	STUD (2" long)
	70904208	12	LOCKWASHER, 1/2"
	70910195	12	NUT, 1/2"NF


SECOND TYPE
MODELS
HD16A,AC,D,DC,FC
21
2
7
6
5
4
3
1-21
8
9
INTAKE MANIFOLD
18
20
11
16
15
19
12
13
AIR CLEANER
MODEL HD16GC
14
10
16
17
T-16256

AIR CLEANER (Oil-bath)

* Standard equipment on Model HD16A, AC, D, DC, FC tractors prior to serial No. 5703; optional thereafter.
** Model HD16GC tractors prior to serial No. 2612. See page 185 for later design

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70077900	1	1	CLEANER ASSEMBLY, air (See page 188 for parts)
2	70077919	1	1	PRE-CLEANER ASSEMBLY, air (See page 188 for parts)
3	70081214	1	1	HOSE, rear
4	70921916	4	4	CLAMP, hose (3-7/8" to 4-3/4" diam.)
5	70084392	1	-	TUBE, air (Used prior to tractor #4001)
	70622633	1	-	TUBE, air (Effective with tractor #4001. If for tractors prior to #5099 also order PLUG 70901651)
	70087626	-	1	TUBE, air
	70901652	1	1	PLUG, pipe, 1/4"NPT (Not used when Engine Primer is installed)
	70901651	1	-	PLUG, pipe, 1/8"NPT (Used with TUBE 70622633 only)
6	70068231	1	-	HOSE, front (4"I. D. x 3-3/4" long)
	70051517	-	1	HOSE, front (4" I. D. x 5-1/2" long)
7	70083343	1	1	ELBOW, air inlet (Not used on Models HD16A, AC, D, DC, FC after tractor #4000) (Also see page 198 and 200 for special elbow used with Engine Air Heater)
	70097486	1	-	ELBOW, air inlet (Effective with tractor #4001) (Also see page 203 for special elbow used with Engine Air Heater)
8	70035061	4	4	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	4	4	LOCKWASHER, 1/2"
9	74361551	1	1	□ GASKET, air inlet elbow
10	70080818	2	-	BAND, mounting
11	70082206	-	2	BAND, mounting
12	70087623	-	1	BRACKET, air cleaner mounting
13	70035018	-	4	CAPSCREW, 1/2"NF x 1-1/2"
	70910244	-	4	WASHER, plain, SAE std., 1/2"
	70904208	-	4	LOCKWASHER, 1/2"
	70911043	-	4	NUT, 1/2"NF
14	70087159	2	-	CAPSCREW, mounting band (3/8"NC x 5-1/2")
15	70040570	-	4	CAPSCREW, mounting band (3/8"NC x 4-1/4")
16	70053667	2	4	SPACER, mounting band capscrew
17	70081796	2	-	PIN, mounting band (threaded hole)
18	70056100	-	4	PIN, mounting band (threaded hole)
19	70081795	2	-	PIN, mounting band (plain hole)
20	70056099	-	4	PIN, mounting band (plain hole)
21	------	-	-	TRANSFERS (See PAINTING AND MARKING)



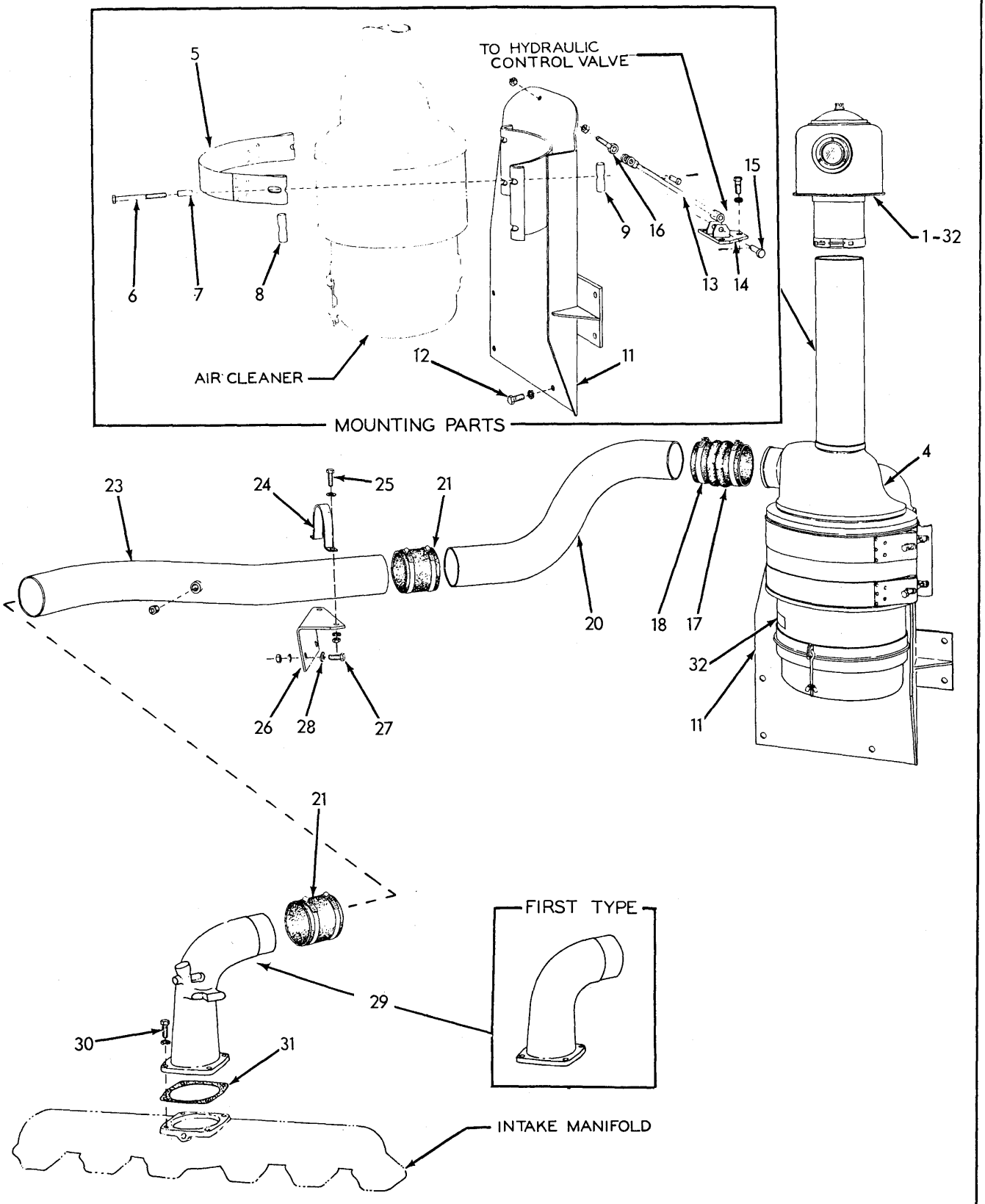
T-30904

AIR CLEANER (Dry-type)(HD16A, AC, D, DC)

AIR CLEANER (Dry-type)

USAGE: Standard equipment on Model HD16A, AC, D, DC tractors serial No. 5703 and up; optional on prior units.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70621979	1	CAP, rain (Includes item 2)
2	70632650	1	CLAMP ASSEMBLY, rain cap (Includes bolt and nut)
3	70622091	1	TUBE, air inlet
4	70921916	1	CLAMP, air inlet tube (3-7/8" to 4-3/4" diam.)
5	70622255	1	CLEANER ASSEMBLY, air (See page 189 for parts)
6	70622596	2	BAND ASSEMBLY, air cleaner mounting (Includes screw and nut)
7	70036034	4	CAPSCREW, 3/8"NF x 1"
	70904206	4	LOCKWASHER, 3/8"
	70911041	4	NUT, 3/8"NF
8	70044973	4	WASHER, plain
9	70622090	1	BRACKET, air cleaner mounting
10	70035018	4	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	4	LOCKWASHER, 1/2"
11	70064531	4	WASHER, plain
12	70921919	1	CLAMP, rear hose (4-5/8" to 7-1/4" diam.)
13	70622092	1	HOSE, rear
14	70921916	3	CLAMP, hose (3-7/8" to 4-3/4"diam.)
15	70622633	1	TUBE, air
	70901651	1	PLUG, pipe, 1/8"NPT (Not used when Air Restriction Indicator is installed)
	70901652	1	PLUG, pipe, 1/4"NPT (Not used when Engine Primer is installed)
16	70068231	1	HOSE, front
17	70097486	1	ELBOW, air inlet (also see page 203 for special elbow used with Engine Air Heater)
18	70035061	4	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	4	LOCKWASHER, 1/2"
19	74361551	1	□GASKET, air inlet elbow



AIR CLEANER (Oil-bath)(Second type. HD16GC)

T-17421

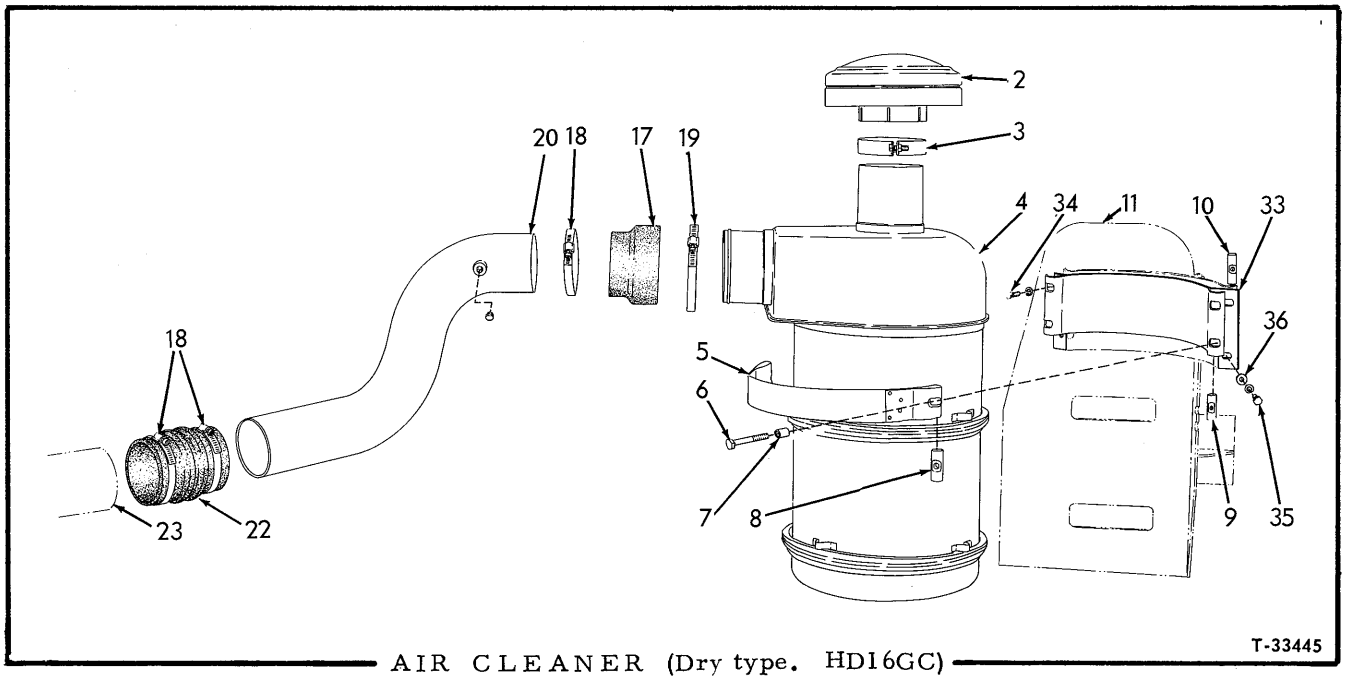
AIR CLEANER

USAGE: Model HD16GC tractors serial No. 2612 and up

* Oil-bath. Standard equipment on tractors prior to serial No. 5703.
** Dry-type. Standard equipment on tractors serial No. 5703 and up; optional on prior units.

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70077919	1	-	PRE-CLEANER ASSEMBLY, air (See page 188 for parts)
2	70621979	-	1	CAP, rain (Includes item 3)
3	70632650	-	1	CLAMP ASSEMBLY, rain cap (Includes bolt and nut)
4	70077900	1	-	CLEANER ASSEMBLY, air (See page 188 for parts)
	70622255	-	1	CLEANER ASSEMBLY, air (See page 189 for parts)
5	70082206	2	-	BAND, mounting
	70620250	-	2	BAND, mounting
6	70082937	4	-	CAPSCREW, mounting band
	70086238	-	4	CAPSCREW, mounting band
7	70053667	4	4	SPACER, mounting band capscrew
8	70056099	4	-	PIN, mounting band (plain hole)
	70081795	-	4	PIN, mounting band (plain hole)
9	70056100	4	4	PIN, mounting band (threaded hole)
10	70081796	-	4	PIN, mounting band (threaded hole)

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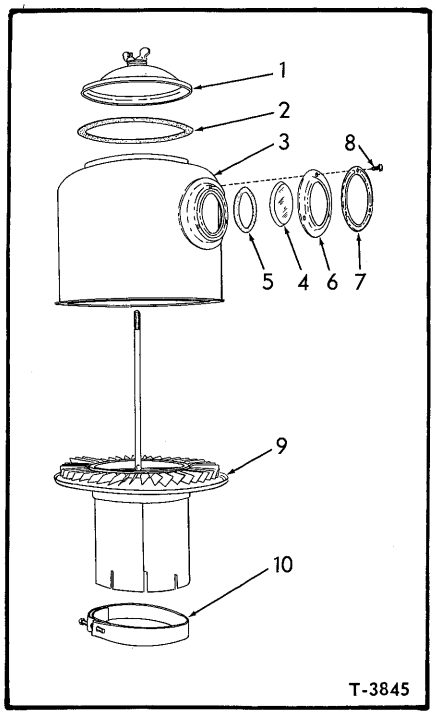


AIR CLEANER (Dry type. HD16GC)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
11	70091736	1	1	BRACKET, air cleaner mounting
12	70070469	4	4	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	4	4	LOCKWASHER, 1/2"
13	------	1	1	ROD, bracing (Used prior to tractor #5607)(Order one each ROD 70623595, PLATE 70623592, PIN 70053077, CAPSCREW 70053037 and PIN 70900806; also two CAPSCREWS 70053038)
	70623595	1	1	ROD, bracing (Effective with tractor # 5607)
14	70623592	1	1	PLATE, bracing rod (Effective with tractor #5607)
	70053038	2	2	CAPSCREW, 1/2"NF x 6"
	70053037	1	1	CAPSCREW, 1/2"NF x 5-1/2"
	70904208	3	3	LOCKWASHER, 1/2"
15	70053077	1	1	PIN, bracing rod plate (Effective with tractor #5607)
	70900806	1	1	PIN, cotter, 1/8" x 1"
16	70067902	1	1	EYE-BOLT, bracing rod
	70911043	2	2	NUT, 1/2"NF
	70917648	1	1	PIN, yoke, 1/2" diam.
	70900806	1	1	PIN, cotter, 1/8" x 1"
17	70081214	1	-	HOSE, rear
	70622092	-	1	HOSE, rear
18	70921916	6	5	CLAMP, hose (3-7/8" to 4-3/4"diam.)
19	70921919	-	1	CLAMP, rear hose (4-5/8" to 7-1/4" diam.)
20	70091954	1	-	TUBE, air, rear section
	70623104	-	1	TUBE, air, rear section
	70919134	-	1	PLUG, pipe, hex-hd., 1/8"NPT (Not used when air restriction indicator is installed)
21	70068231	2	1	HOSE, front
22	70081214	-	1	HOSE, intermediate
23	70091772	1	-	TUBE, air, front section (Used prior to tractor #4001)
	70097635	1	1	TUBE, air, front section (Effective with tractor #4001)
	70901652	1	1	PLUG, pipe, 1/4"NPT (Not used when Engine Primer is installed)
24	70091963	1	1	STRAP, air tube
25	70035525	2	2	CAPSCREW, 1/2"NF x 1-1/8"
	70900818	2	2	WASHER, plain, U.S. std., 1/2"
	70904208	2	2	LOCKWASHER, 1/2"
	70911043	2	2	NUT, 1/2"NF
26	70091962	1	1	ANGLE, air tube strap
27	70035018	2	2	CAPSCREW, 1/2"NF x 1-1/2"
28	70064531	2	2	WASHER, plain
	70904208	2	2	LOCKWASHER, 1/2"
	70911043	2	2	NUT, 1/2"NF

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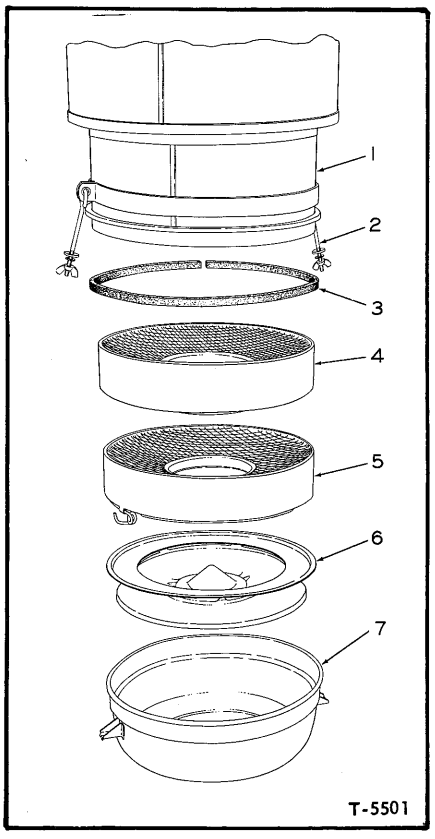
ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
29	70083343	1	-	ELBOW, air inlet (Used prior to tractor #4001)(Also see page 200 for special elbow used with Engine Air Heater)
	70097486	1	1	ELBOW, air inlet (Effective with tractor #4001)(Also see page 203 for special elbow used with Engine Air Heater)
30	70035061	4	4	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	4	4	LOCKWASHER, 1/2"
31	74361551	1	1	□GASKET, air inlet elbow
32	-------	-	-	TRANSFERS (See PAINTING AND MARKING)
33	70623102	-	1	BRACKET, mounting
34	70013058	-	1	CAPSCREW, 3/8"NC x 1-1/4"
35	70070960	-	1	CAPSCREW, 3/8"NC x 1-1/2"
	70904206	-	2	LOCKWASHER, 3/8"
36	70044973	-	1	WASHER, plain



AIR PRE-CLEANER ASSEMBLY 70077919

USAGE: See pages 181 and 185

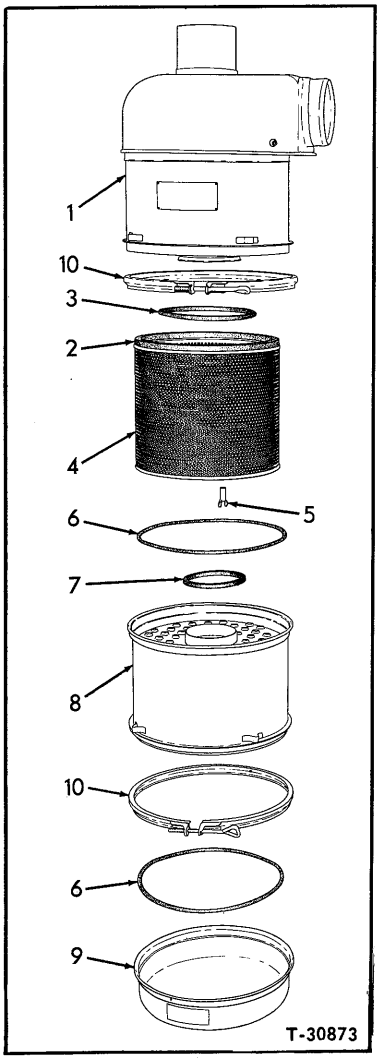
ITEM	PART NO.	QTY.	DESCRIPTION
1	70044255	1	CAP ASSEMBLY (Includes wing nut)
2	70044256	1	GASKET, cap
3	70074633	1	SHELL ASSEMBLY (Includes items 4 thru 8)
4	70043860	1	GLASS, shell
5	70043852	1	GASKET, shell glass
6	70043853	1	RETAINER, shell glass
7	70043991	1	RING, shell glass retainer
8	70043856	3	SCREW ASSEMBLY (Includes lockwasher)
9	70077920	1	FAN
10	70074635	1	CLAMP, mounting (Includes screw and nut)



AIR CLEANER ASSEMBLY 70077900

USAGE: See pages 181 and 185

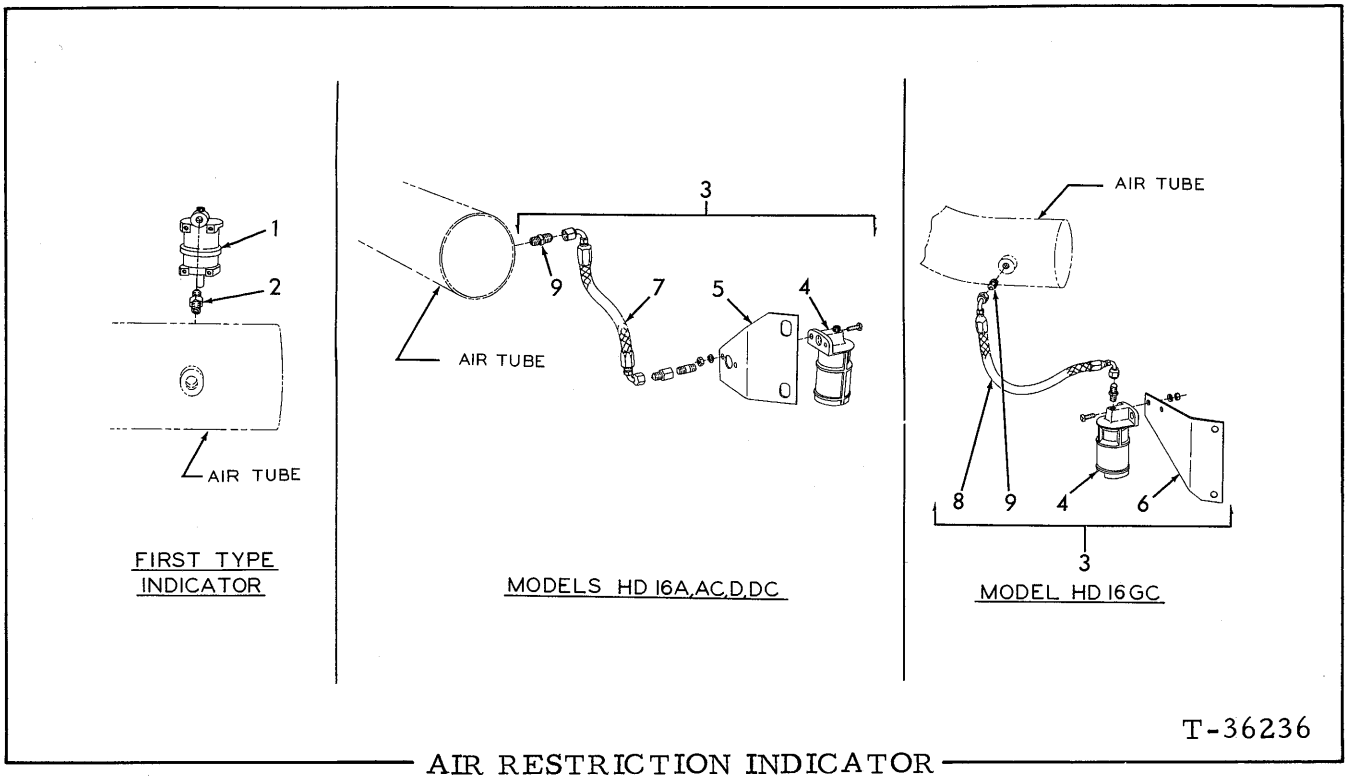
1	------	1	BODY ASSEMBLY (Not serviced separately)
2	70059294	2	BOLT ASSEMBLY, oil cup retaining (Includes nuts and washers)
3	70074638	1	GASKET, oil cup
4	70077896	1	ELEMENT, filtering, upper unit
5	70077899	1	ELEMENT ASSEMBLY, filtering, lower unit(Includes baffle retaining spring)
6	70077898	1	BAFFLE, air
7	70077897	1	CUP, oil



AIR CLEANER ASSEMBLY 70622255

USAGE: See pages 183 and 185

ITEM	PART NO.	QTY.	DESCRIPTION
1	70622962	1	BODY, upper
2	------	1	GASKET, filter element, upper (Not serviced separately)
3	------	1	GASKET, filter element, lower (Not serviced separately)
4	70622963	1	ELEMENT ASSEMBLY, filter (Includes item 2 and 3)
5	70620719	3	NUT, wing, element retaining
6	70622966	2	GASKET, air pre-cleaner, outer
7	70622964	1	GASKET, air pre-cleaner, inner
8	70622965	1	PRE-CLEANER ASSEMBLY, air (Serviced only as a unit)
9	70622967	1	CUP, dust
10	70622968	2	CLAMP ASSEMBLY (Includes tightening screw)

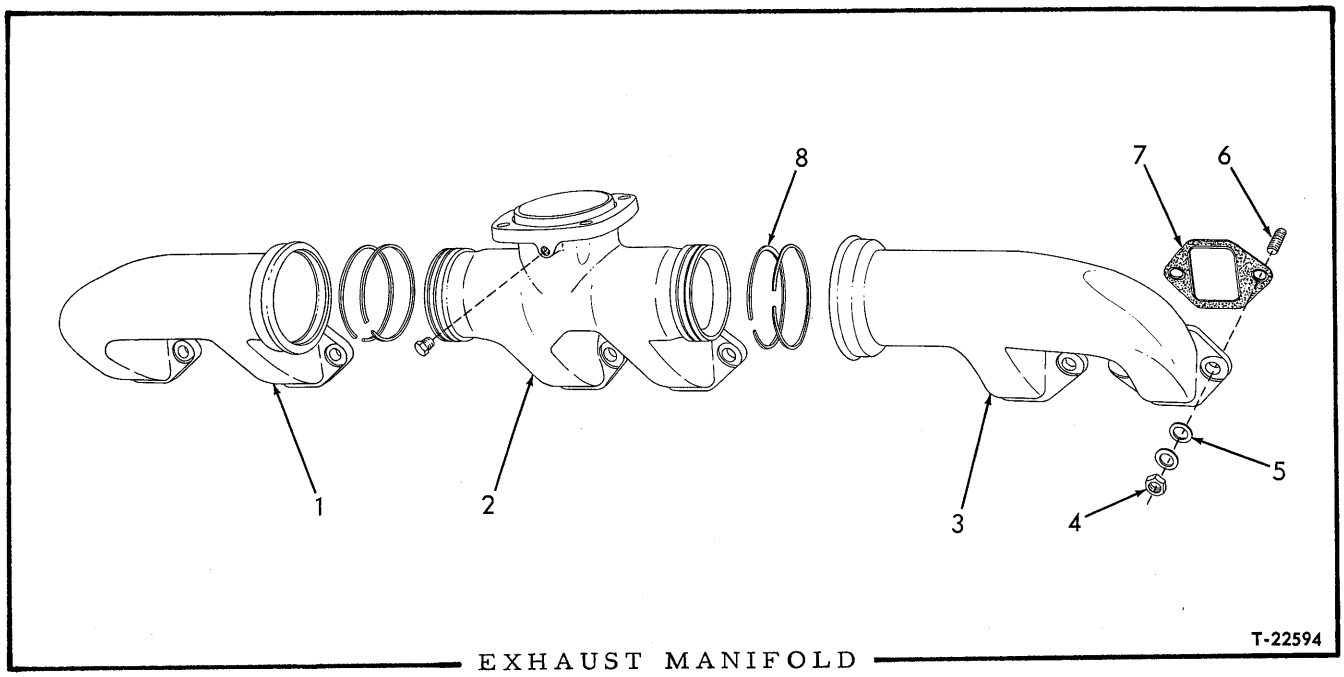


AIR RESTRICTION INDICATOR

USAGE: Special equipment. For use with dry-type Air Cleaner only

* First type. Mounted on Air Cleaner Tube
** Second type. Remote-mounted

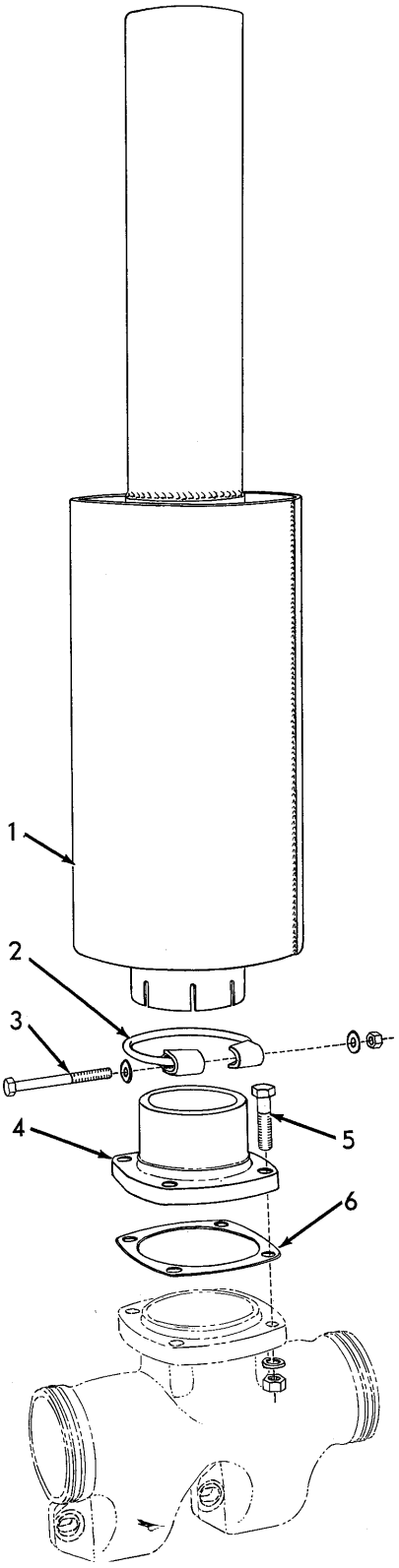
ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	--------	1	-	INDICATOR ASSY. (Order item 3)
2	70622447	1	-	FITTING, connector (Includes filter)
3	70631770	-	1	INDICATOR KIT (Consists of items 4, 4A, 5, 7, 9 and 10)(Models HD16A, AC, D, DC)
	70631781	-	1	INDICATOR KIT (Consists of items 4, 6, 8, 9and 10) (Model HD16GC only)
4	70631564	-	1	INDICATOR only
4A	73045531	-	1	FLANGE, indicator mounting (Not Illustrated)
	70912789	-	2	CAPSCREW, 1/4"NF x 3/4"
	70904204	-	2	LOCKWASHER, 1/4"
	70911040	-	2	NUT, 1/4"NF
5	70631768	-	1	BRACKET, indicator mounting (HD16A, AC, D, DC)
6	70631780	-	1	BRACKET, indicator mounting (HD16GC only)
7	70631767	-	1	HOSE ASSY. (Models HD16A, AC, D, DC)(See HOSE PARTS)
	70919174	-	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT female
	70904273	-	1	NIPPLE, pipe, 1/8"NPT x 1"
8	70631779	-	1	HOSE ASSY. (Model HD16GC only)(See HOSE PARTS)
	70919171	-	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
9	70631769	-	1	FITTING, safety (Includes filter)



EXHAUST MANIFOLD

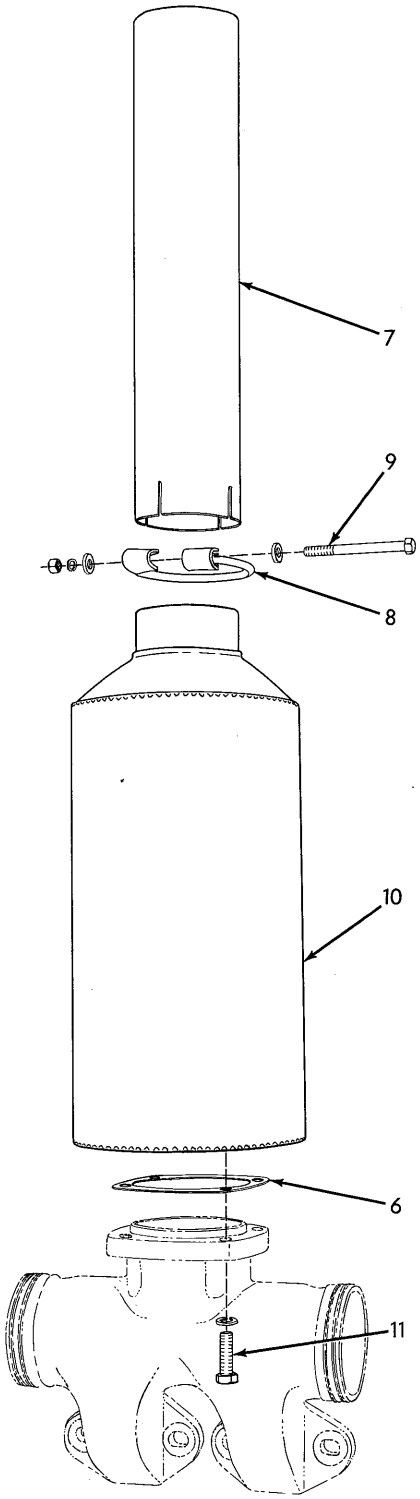
* Tractors prior to serial No. 4001
** Tractors serial No. 4001 and up

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	74365831	1	-	MANIFOLD, exhaust, rear section
	74376892	-	1	MANIFOLD, exhaust, rear section
2	74367606	1	-	MANIFOLD, exhaust, center section
	74385469	-	1	MANIFOLD, exhaust, center section
	70917425	-	1	PLUG, pipe, hex-hd., brass, 1/4"NPT
3	74366308	1	-	MANIFOLD, exhaust, front section
	74376891	-	1	MANIFOLD, exhaust, front section
4	74253270	12	12	NUT, manifold stud
5	74371107	12	12	WASHER, manifold stud nut
6	74346208	12	12	STUD, exhaust manifold
7	74375865	6	6	□ GASKET, exhaust manifold
8	74366243	4	4	RING, sealing



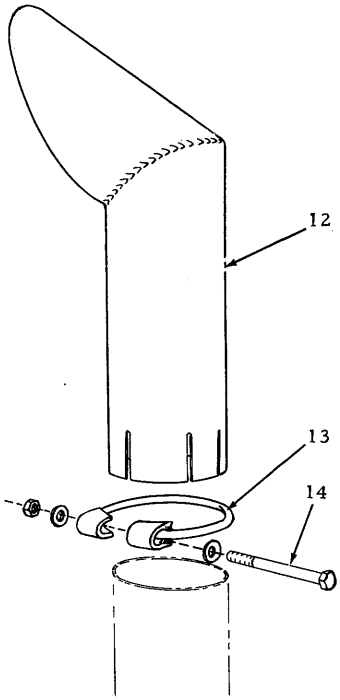
FIRST TYPE

T-13981



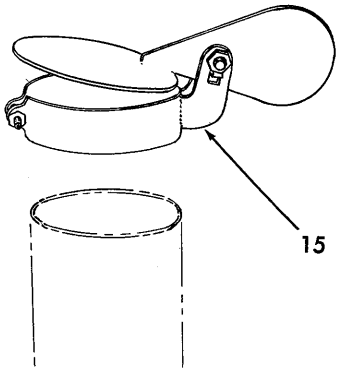
SECOND TYPE

T-14000



RAIN SHIELD

T-13997



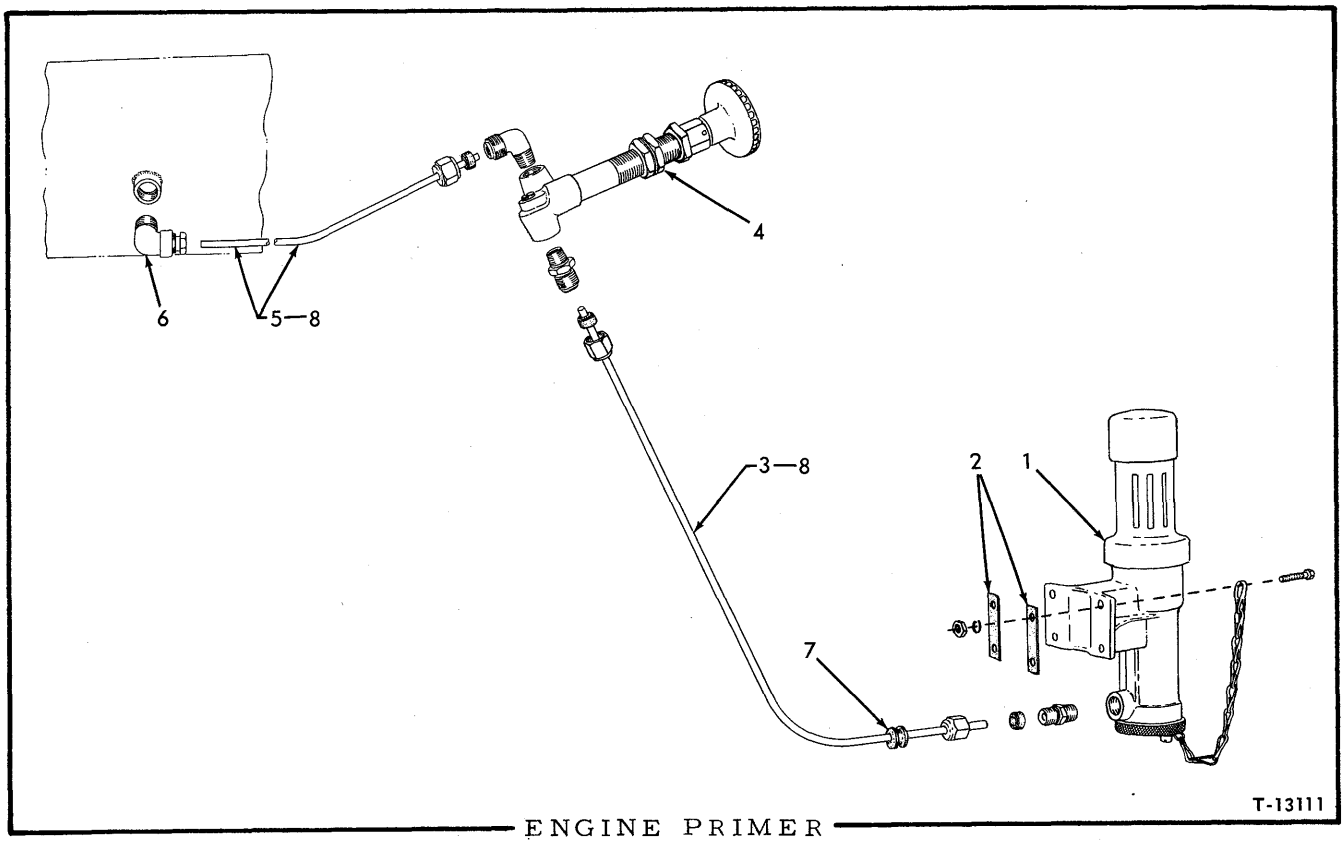
RAIN CAP

T-13997A

MUFFLER

* Tractors prior to serial No. 313
** Tractors serial No. 313 and up

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	------	1	-	MUFFLER (Order items 7 thru 11)
2	------	1	-	CLAMP, muffler (Original equipment. Order CLAMP 70633054 and CAPSCREW 70920613)
	70646078	1	-	CLAMP, Muffler (Service replacement)
3	70035711	1	-	CAPSCREW, 3/8"NF x 3-3/8" (Original equipment)
	70920613	1	-	CAPSCREW, 3/8"NF x 3" (Used with CLAMP 70633054 only)
	70900817	2	-	WASHER, plain, U.S. std., 3/8"
	70904206	1	-	LOCKWASHER, 3/8"
	70911041	1	-	NUT, 3/8"NF
4	70081814	1	-	FLANGE, exhaust
5	70921556	4	-	CAPSCREW, 1/2"NC x 2"
	70904208	4	-	LOCKWASHER, 1/2"
	70911028	4	-	NUT, 1/2"NC
6	74366244	1	1	□GASKET, exhaust flange
7	70086771	-	1	PIPE, exhaust (19-1/2" long)
8	------	-	1	CLAMP, exhaust pipe (Original equipment. Order CLAMP 70634091 and CAPSCREW 70916389)
	70634091	-	1	CLAMP, exhaust pipe (Service replacement)
9	70053619	-	1	CAPSCREW, 3/8"NF x 3-3/4" (Original equipment)
	70916389	-	1	CAPSCREW, 3/8"NF x 3-1/4" (Used with CLAMP 70634091 only)
	70044973	-	2	WASHER, plain
	70904206	-	1	LOCKWASHER, 3/8"
	70911041	-	1	NUT, 3/8"NF
10	70086770	-	1	MUFFLER
11	------	-	4	CAPSCREW (Original equipment. Order STUD 74346208 and NUT 70917260)
	74346208	-	4	STUD (1/2" diam.) (Service replacement)
	70904208	-	4	LOCKWASHER, 1/2"
	70917260	-	4	NUT, brass, 1/2"NC (Service replacement)
				NOTE: The following items are Special Equipment
12	70083170	1	1	SHIELD, rain, exhaust pipe
13	------	1	1	CLAMP, exhaust pipe and rain shield (Original equipment. Order CLAMP 70633054 and CAPSCREW 70920613)
	70646078	1	1	CLAMP, exhaust pipe and rain shield (Service replacement)
14	70052016	1	1	CAPSCREW, 3/8"NF x 4" (Original equipment)
	70920613	1	1	CAPSCREW, 3/8"NF x 3" (Used with CLAMP 70633054 only)
	70900817	2	2	WASHER, plain, U.S. std., 3/8"
	70904206	1	1	LOCKWASHER, 3/8"
	70911041	1	1	NUT, 3/8"NF
15	70068623	1	1	RAINCAP, exhaust pipe



ENGINE PRIMER

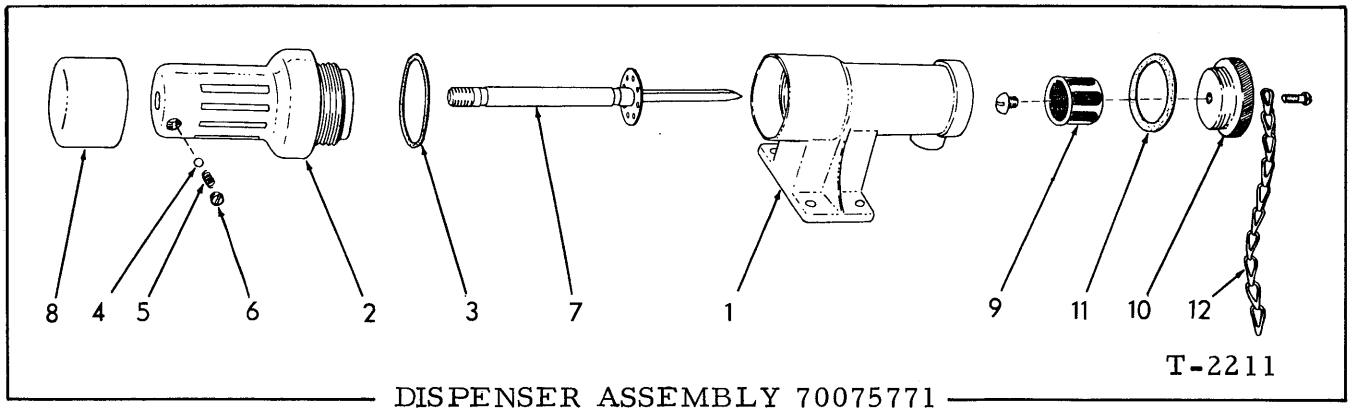
USAGE: Special equipment. For all units except those equipped with Air Heater

ITEM	PART NO.	QTY.	DESCRIPTION
1	70075771	1	DISPENSER ASSEMBLY, priming fuel (See page 196 for parts)
	70913464	4	CAPSCREW, #10-24NC x 7/8"
	70904203	4	LOCKWASHER, #10
	70901310	4	NUT, #10-24NC (Not used on Models HD16FC, GC)
2	70066261	6	GASKET, dispenser mounting
3	70094699	1	TUBE ASSEMBLY (18" long. Includes nuts)(Early units)
	70919094	2	CONNECTOR, flare type, 1/8" tube, 1/8"NPT male
	------	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
4	70092160	1	PUMP ASSEMBLY (See page 197 for parts)
5	70094698	1	TUBE (18" long. Flared end)(Early units except Model HD16FC)
	70094715	1	TUBE (72" long. Flared end)(Early units. Model HD16FC only)
	70919100	1	NUT, flare type, 1/8" tube
	70919099	1	SLEEVE, flare type, 1/8" tube
	70919093	1	ELBOW, flare type, 90°, 1/8" tube, 1/8"NPT male
	------	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

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ENGINE PRIMER (Continued)

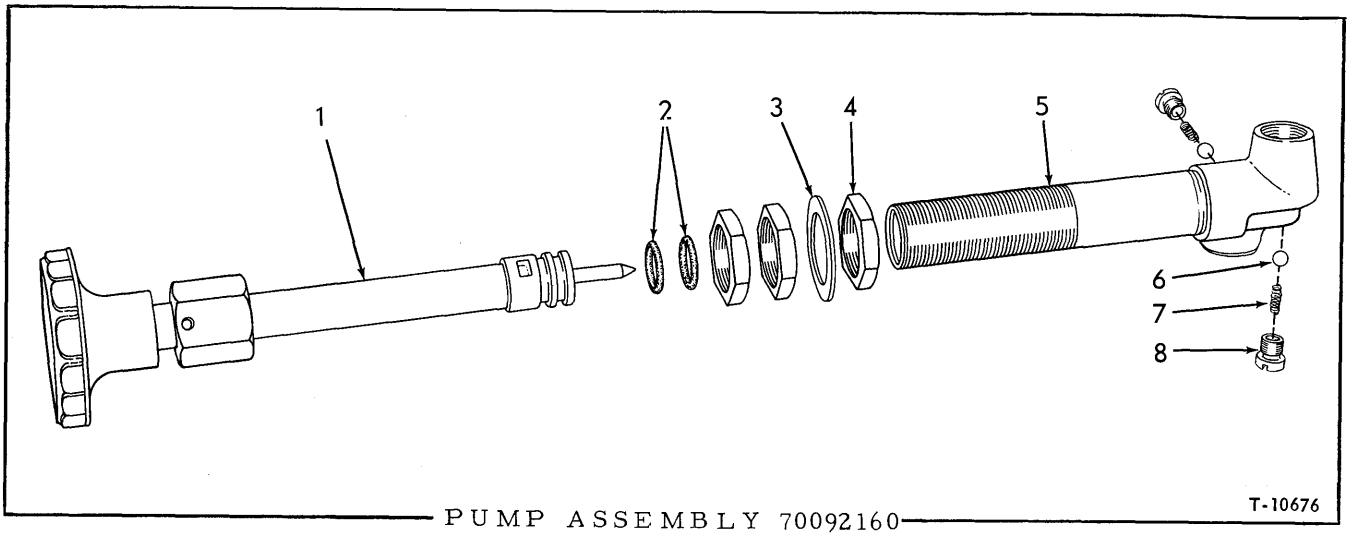
ITEM	PART NO.	QTY.	DESCRIPTION
6	70066517	1	ELBOW ASSEMBLY, fuel spray (Includes nozzle, nut and sleeve. Serviced only as a unit)
7	70065946	1	GROMMET, tube protecting (rubber)(Used prior to tractor #4001 on Models HD16A, AC, D, DC, FC)
8	70066253	-	TUBING, copper, 1/8"O.D., 10 ft. roll (Use as req'd)



DISPENSER ASSEMBLY 70075771

USAGE: See page 194

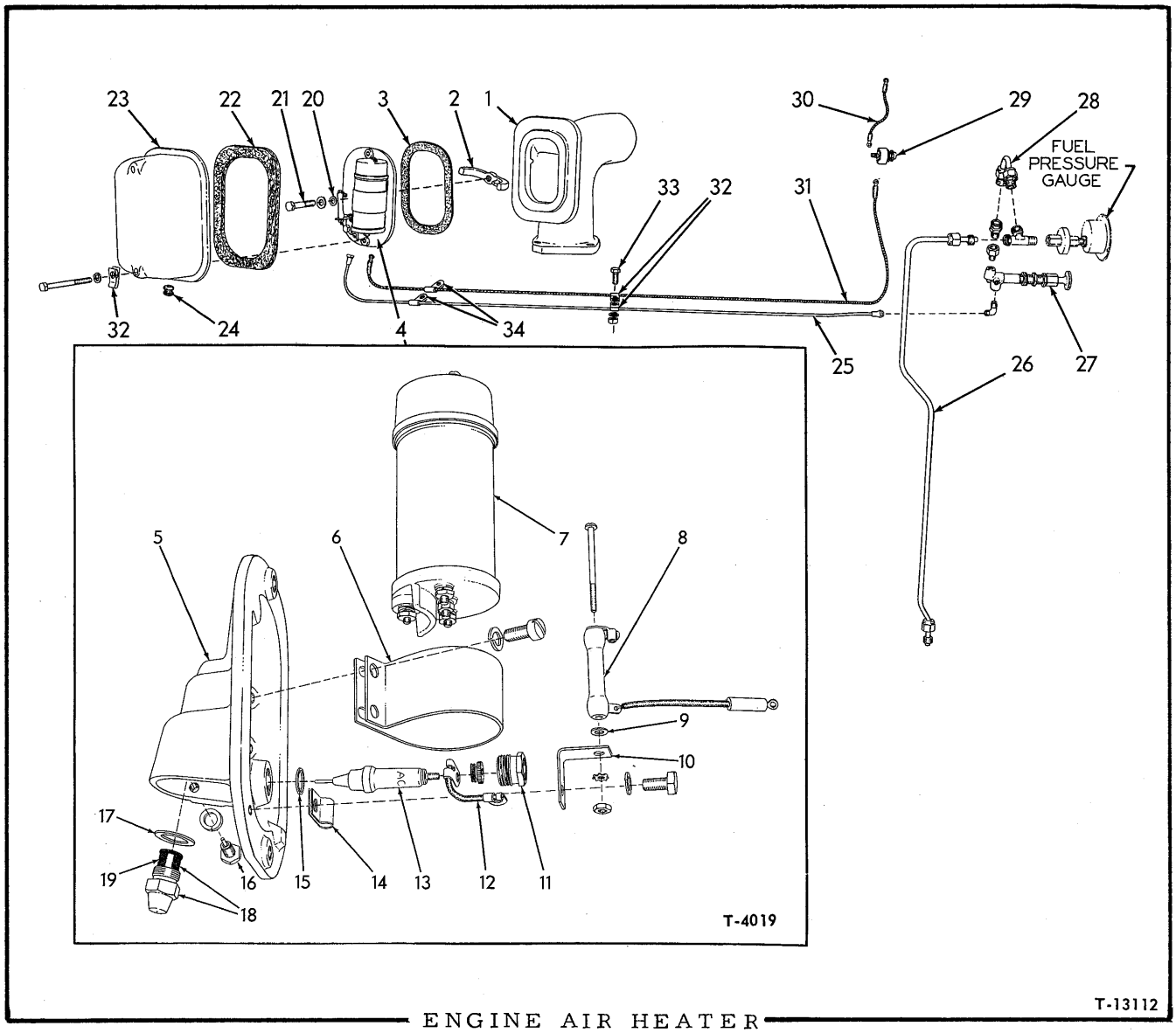
ITEM	PART NO.	QTY.	DESCRIPTION
1	70068878	1	BODY, fuel dispenser
2	70068879	1	CHAMBER, fuel dispenser
3	70069164	1	GASKET, fuel dispenser chamber
4	70905357	1	BALL, steel, 3/16" diam.
5	70066251	1	SPRING, plunger locking ball
6	70066252	1	PLUG, retaining, locking ball spring
7	70066255	1	PLUNGER, fuel 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"



PUMP ASSEMBLY 70092160

USAGE: See pages 194, 199, 201 and 203

ITEM	PART NO.	QTY.	DESCRIPTION
1	------	1	PISTON ASSEMBLY (Not serviced separately)
2	70923560	2	O-RING
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



ENGINE AIR HEATER

USAGE: Prior to April 1958. Optional equipment in place of Engine Primer

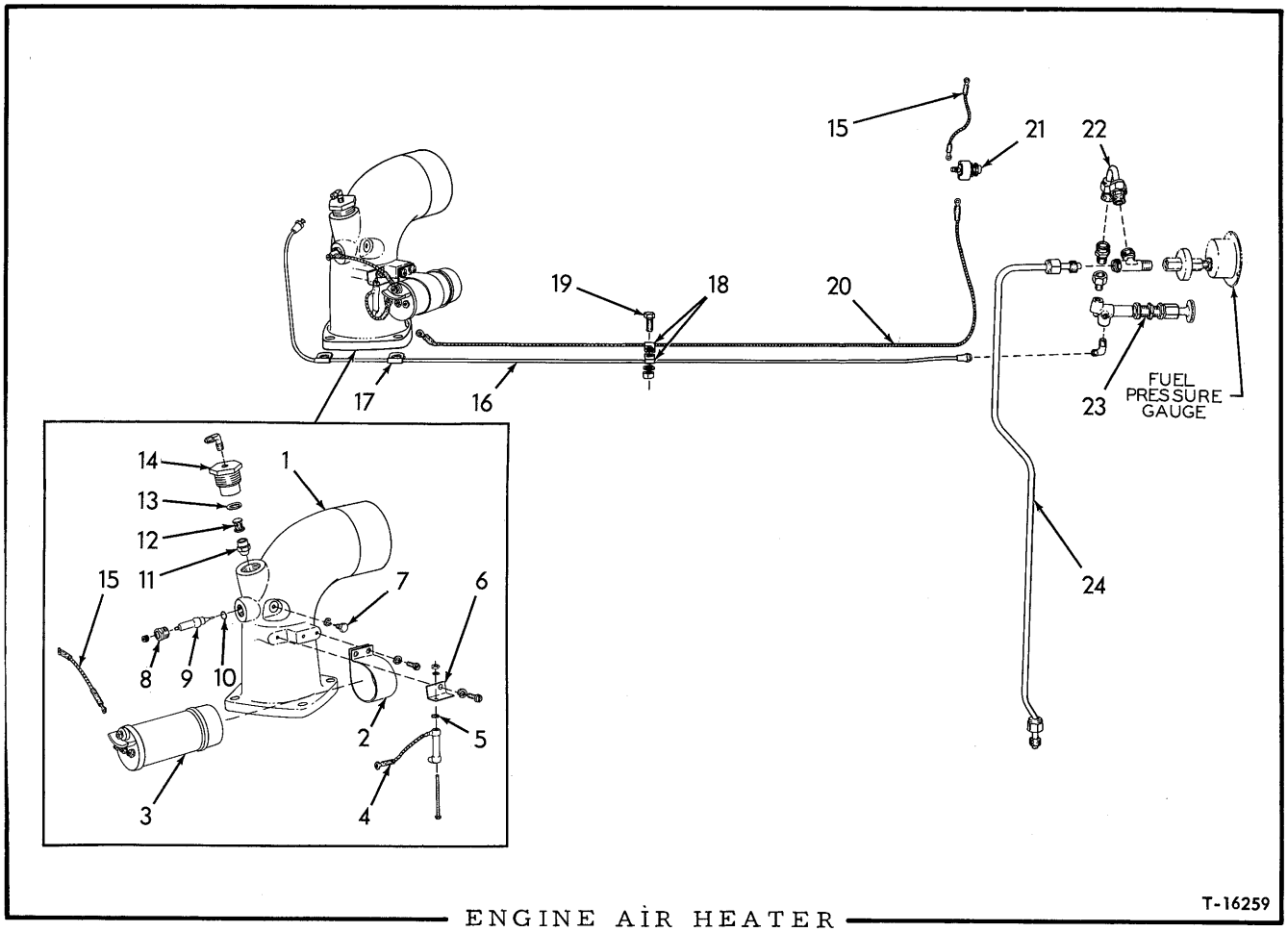
ITEM	PART NO.	QTY.	DESCRIPTION
1	70084518	1	ELBOW, air intake (Replaces standard ELBOW 70083343)
2	5183129	1	△CLAMP, air heater
3	5150020	1	△GASKET, air heater to air intake elbow
4	70075471	1	HEATER ASSEMBLY (Consists of items 5 thru 19)
5	5153385	1	△BODY, air heater
	70910268	1	ELBOW, flare type, 3/16" tube, 1/8"NPT male
6	70631199	1	BRACKET, ignition coil mounting
	70912226	2	SCREW, machine, fil-hd., 1/4"NC x 5/8"
	70904204	2	LOCKWASHER, 1/4"
7	70097026	1	COIL, ignition (Serviced only as a unit)
8	70630830	1	RESISTOR
	70915922	1	SCREW, machine, #8-32 x 2-1/4"
	70915923	1	LOCKWASHER, external teeth, #8
	70907154	1	NUT, #8-32

(Continued)

△General Motors Corp. part Nos., do not order from Fiat-Allis

ITEM	PART NO.	QTY.	DESCRIPTION
9	70631198	1	WASHER, insulating
10	70630829	1	BRACKET, resistor mounting
	70906692	1	CAPSCREW, 1/4"NC x 3/8"
	70904204	1	LOCKWASHER, 1/4"
11	70630828	1	NUT, insulator retaining
12	5154125	1	△LEAD, coil to insulator (High tension)
13	70631226	1	INSULATOR PACKAGE (Includes terminal nut and item 15)
14	70238136	1	CLIP, tube supporting (3/16" diam., 9/32" bolt-hole)
15	70631566	1	GASKET, insulator
16	70630827	1	SCREW ASSEMBLY, electrode (1 screw and 1 electrode)
	70904204	1	LOCKWASHER, 1/4"
17	70630787	1	WASHER, spray nozzle
18	70631224	1	NOZZLE ASSEMBLY, spray (Includes item 19)
19	70631225	1	STRAINER ASSEMBLY, spray nozzle (1 body and 1 screen)
20	70040400	1	GASKET, heater attaching capscrew
21	70013059	1	CAPSCREW, heater attaching (3/8"NC x 2")
	70911115	1	WASHER, plain, SAE std., 3/8"
22	5154066	1	△GASKET, air heater cover (felt)
23	5158071	1	△COVER, air heater
	70913189	2	CAPSCREW, 5/16"NC x 2-1/2"
	70904205	2	LOCKWASHER, 5/16"
24	70023176	1	GROMMET, air heater cover (rubber)
25	70050767	1	TUBE ASSEMBLY, pump to nozzle (Includes NUTS indented below)
	70910268	1	ELBOW, flare type, 3/16" tube, 1/8"NPT male
	70913676	2	NUT, flare type, long, 3/16" tube
26	70084522	1	TUBE, fuel pressure gauge (Replaces standard fuel pressure gauge tube)
	70915859	1	TEE, service, Sealastic, 3/8" tube
	70918325	2	NUT, Sealastic, 3/8" tube
	70915367	2	RING, Sealastic, 3/8" tube (Includes ferrule)
27	70092160	1	PUMP ASSEMBLY (See page 197 for parts)
	70910856	1	ADAPTER, reducing, 1/4"NPT female to 1/8"NPT male
28	70084521	1	TUBE, pump to fuel pressure gauge line
	70915368	1	CONNECTOR, Sealastic, 3/8" tube, 1/4"NPT male
	70918325	2	NUT, Sealastic, 3/8" tube
	70915367	2	RING, Sealastic, 3/8" tube (Includes ferrule)
29	70031337	1	SWITCH, push button (Includes mounting nut)
30	70051006	1	CABLE, switch connecting
31	70084520	1	CABLE, switch to coil
32	70200479	6	CLIP, tube and cable supporting (3/16" diam., 13/32" bolt-hole)
33	70036032	2	CAPSCREW, 3/8"NF x 3/4"
	70904206	2	LOCKWASHER, 3/8"
	70911041	2	NUT, 3/8"NF
34	70223502	2	CLIP, tube supporting (3/16" diam., 17/32" bolt-hole)

△General Motors Corp. parts Nos., do not order from Fiat-Allis



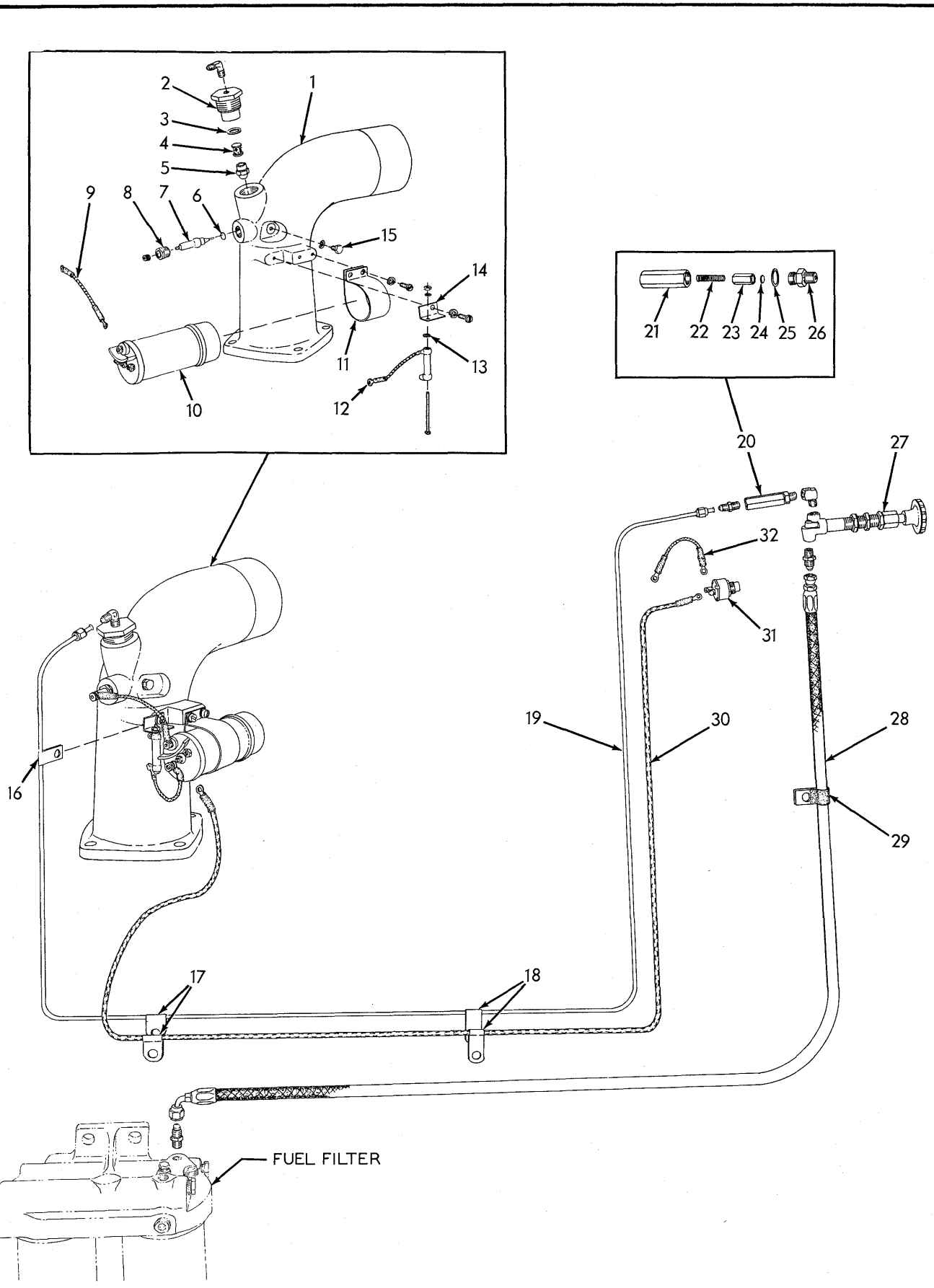
ENGINE AIR HEATER

USAGE: Effective April 1958 but later discontinued with tractor serial No. 4001. Optional equipment in place of Engine Primer

ITEM	PART NO.	QTY.	DESCRIPTION
1	70090685	1	ELBOW, air intake (Replaces standard ELBOW 083343)
2	70631199	1	BRACKET, ignition coil mounting
	70912226	2	SCREW, machine, fil-hd., 1/4"NC x 5/8"
	70904204	2	LOCKWASHER, 1/4"
3	70097026	1	COIL, ignition (Serviced only as a unit)
4	70630830	1	RESISTOR
	70915922	1	SCREW, machine, #8-32 x 2-1/4"
	70915923	1	LOCKWASHER, external teeth, #8
	70907154	1	NUT, #8-32
5	70631198	1	WASHER, insulating
6	70644133	1	BRACKET, resistor mounting
	70912226	1	SCREW, machine, fil-hd., 1/4"NC x 5/8"
	70904204	1	LOCKWASHER, 1/4"
7	70630827	1	SCREW ASSEMBLY, electrode (1 screw and 1 electrode)
	70904204	1	LOCKWASHER, 1/4"

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
8	70630828	1	NUT, insulator retaining
9	70631226	1	INSULATOR PACKAGE (Includes terminal nut and item 10)
10	70631566	1	GASKET, insulator
11	70631224	1	NOZZLE ASSEMBLY, spray (Includes item 12)
12	70631225	1	STRAINER ASSEMBLY, spray nozzle (1 body and 1 screen)
13	70630787	1	WASHER, spray nozzle
14	70088038	1	BUSHING, spray nozzle
15	70051006	2	CABLE, switch connecting
16	70041255	1	TUBE ASSEMBLY, pump to nozzle (Includes NUTS indented below)
	70913676	2	NUT, flare type, long, 3/16" tube
	70910268	2	ELBOW, flare type, 3/16" tube, 1/8"NPT male
17	70223502	5	CLIP, tube supporting (3/16" diam., 17/32" bolt-hole)
18	70200479	4	CLIP, tube and cable supporting (3/16" diam., 13/32" bolt-hole)
19	70036032	2	CAPSCREW, 3/8"NF x 3/4"
	70904206	2	LOCKWASHER, 3/8"
	70911041	2	NUT, 3/8"NF
20	70091181	1	CABLE, switch to coil
21	70031337	1	SWITCH, push button (Includes mounting nut)
22	70084521	1	TUBE, pump to fuel pressure gauge line
	70915368	1	CONNECTOR, Sealastic, 3/8" tube, 1/4"NPT male
	70918325	2	NUT, Sealastic, 3/8" tube
	70915367	2	RING, Sealastic, 3/8" tube (Includes ferrule)
23	70092160	1	PUMP ASSEMBLY (See page 197 for parts)
	70910856	1	ADAPTER, reducing, 1/4"NPT female to 1/8"NPT male
24	70084522	1	TUBE, fuel pressure gauge (Replaces standard fuel pressure gauge tube)
	70915859	1	TEE, service, Sealastic, 3/8" tube
	70918325	2	NUT, Sealastic, 3/8" tube
	70915367	2	RING, Sealastic, 3/8" tube (Includes ferrule)

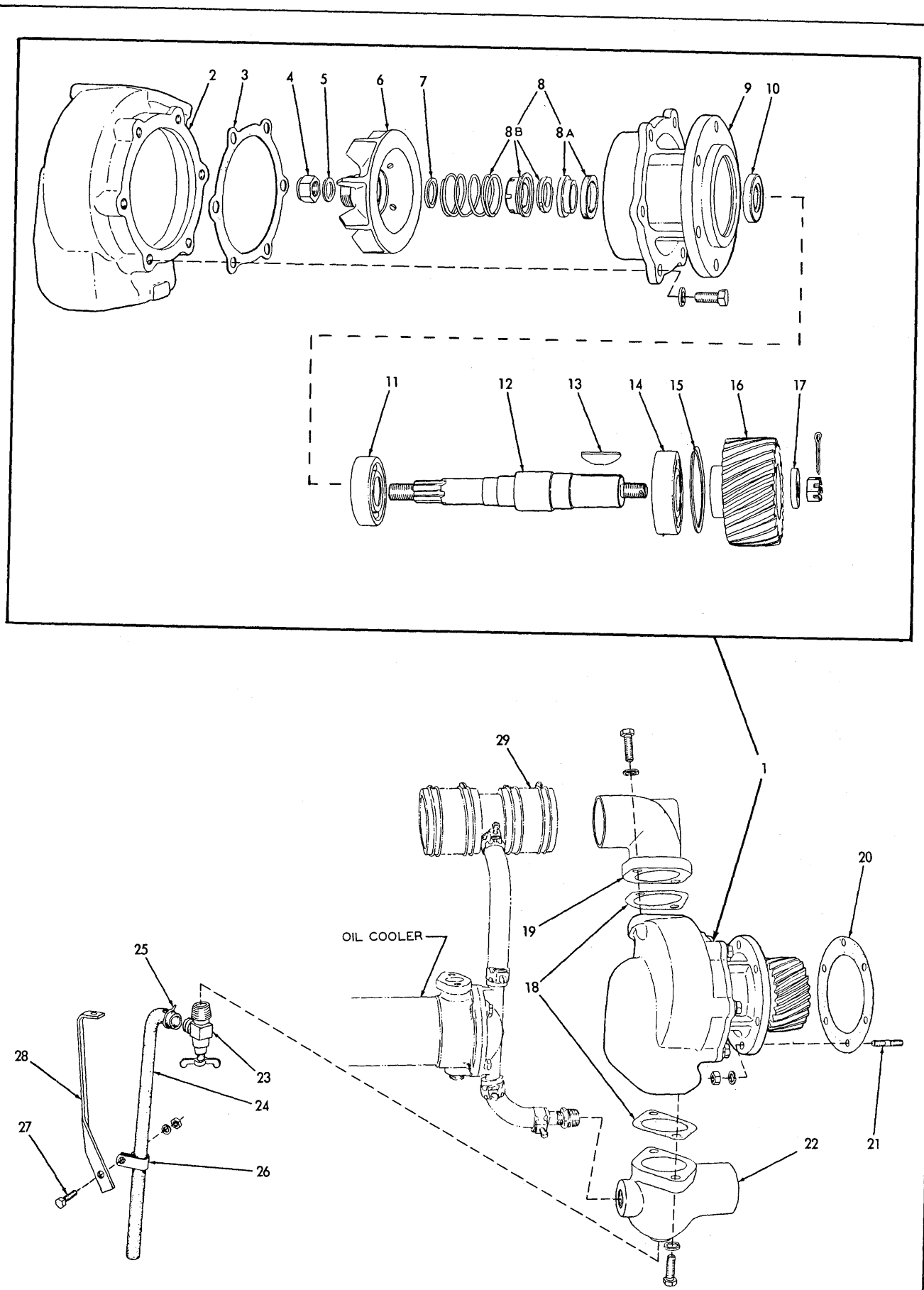


ENGINE AIR HEATER (Third type)

ENGINE AIR HEATER

USAGE: Tractors serial No. 4001 and up. Optional equipment in place of Engine Primer.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70097512	1	ELBOW, air intake (Replaces standard ELBOW 70097486)
2	70088038	1	BUSHING, spray nozzle
3	70630787	1	WASHER, spray nozzle
4	70631225	1	STRAINER ASSEMBLY, spray nozzle (1 body and 1 screen)
5	70631224	1	NOZZLE ASSEMBLY, spray (Includes item 4)
6	70631566	1	GASKET, insulator
7	70631226	1	INSULATOR PACKAGE (Includes terminal nut and item 6)
8	70630828	1	NUT, insulator retaining
9	70051006	1	CABLE, coil to insulator
10	70097026	1	COIL, ignition (Serviced only as a unit)
11	70631199	1	BRACKET, ignition coil mounting
	70912226	2	SCREW, machine, fil-hd., 1/4"NC x 5/8"
	70904204	2	LOCKWASHER, 1/4"
12	70630830	1	RESISTOR
	70915922	1	SCREW, machine #8-32 x 2-1/4"
	70915923	1	LOCKWASHER, external teeth, #8
	70907154	1	NUT, #8-32
13	70631198	1	WASHER, insulating
14	70644133	1	BRACKET, resistor mounting
	70912226	1	SCREW, machine, fil-hd., 1/4"NC x 5/8"
	70904204	1	LOCKWASHER, 1/4"
15	70630827	1	SCREW ASSEMBLY, eletrode (1 screw and 1 electrode)
	70904204	1	LOCKWASHER, 1/4"
16	70200479	1	CLIP, tube supporting (3/16" diam., 13/32" bolt-hole)
17	70223502	2	CLIP, supporting, tube and cable (3/16" diam., 17/32" bolt-hole)
18	70073809	2	CLIP, supporting, tube and cable (3/16" diam., 13/32" bolt-hole)
19	70094665	1	TUBE ASSEMBLY, pump to nozzle (Includes nuts)
	70919204	1	ELBOW, flare type, 3/16" tube, 1/8"NPT male
	70919244	1	CONNECTOR, flare type, 3/16" tube, 1/8"NPT male
20	70094642	1	VALVE ASSEMBLY, check (Consists of items 21 thru 26)
21	70094890	1	BODY, check valve
22	70048603	1	SPRING, check valve
23	70048608	1	PLUNGER, check valve
24	70048606	1	DISC, check valve
25	70630713	1	WASHER, check valve
26	70092793	1	CONNECTOR, check valve
27	70092160	1	PUMP ASSEMBLY (see page 197 for parts)
	70915399	1	ELBOW, street, 90°, brass, 1/8"NPT
28	70097207	1	HOSE ASSEMBLY, fuel filter to pump (See page 6 for parts)
	70919171	2	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
29	70094527	1	CLIP, hose supporting
30	70067177	1	CABLE, switch to coil
31	70031337	1	SWITCH, push-button } Used prior to
32	70051006	1	CABLE, switch connecting } tractor #5043



WATER PUMP (First Type)

T-13082

WATER PUMP

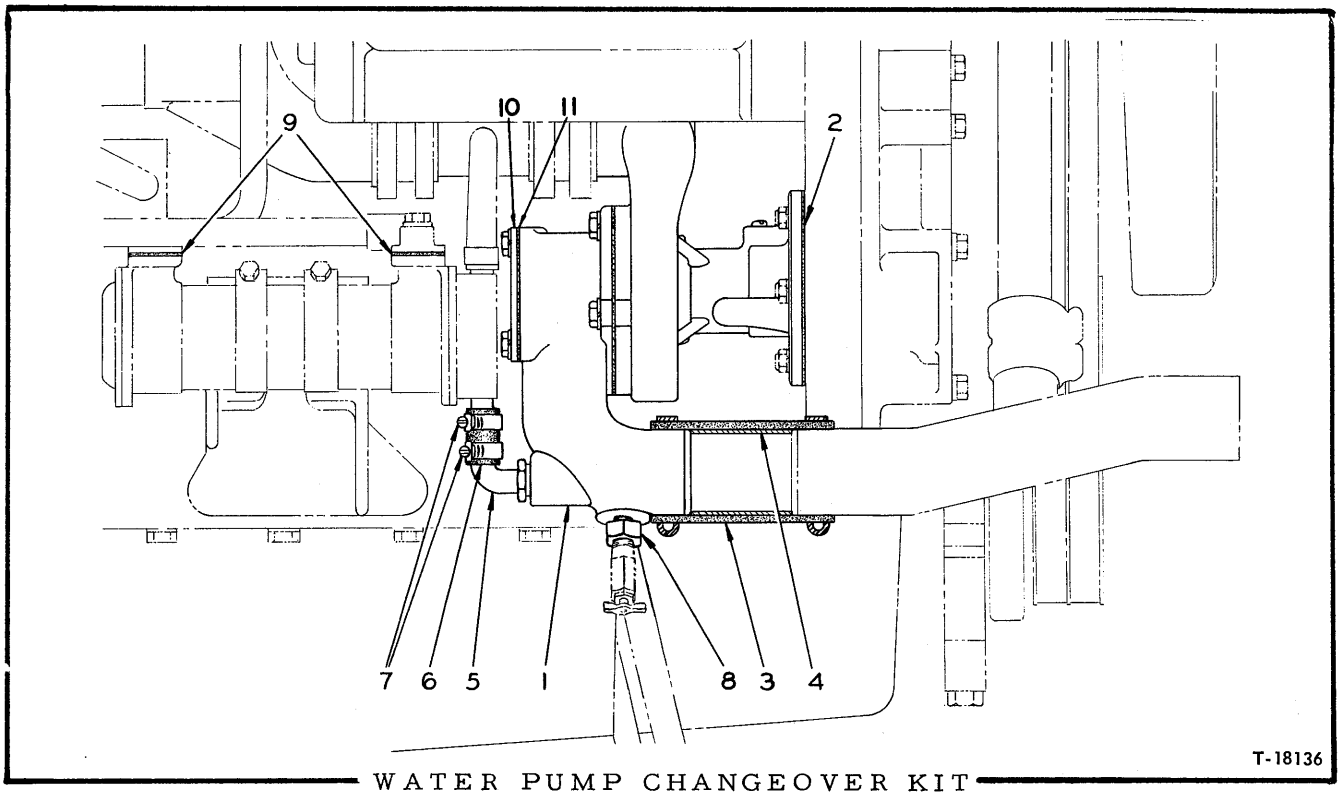
USAGE: Engines prior to serial No. 16-2743. See page 207 for later type water pump changeover kit.

ITEM	PART NO.	QTY.	DESCRIPTION
1	------	1	PUMP ASSEMBLY, water (Order water pump CHANGE-OVER KIT 74375966)
2	74375279	1	HOUSING, impeller (When making first replacement also order one each GASKET 74030481, PLATE 74375755; two each CAPSCREW 70903775, LOCKWASHER 70904206)
3	74369010	1	GASKET, impeller housing
4	74369620	1	NUT, impeller retaining
5	74369619	1	WASHER, impeller retaining
6	74375080	1	IMPELLER
7	74369618	1	WASHER, impeller
8	74369006	1	SEAL KIT (Consists of items 8A and 8B)
8A	74369012	1	SEAT, ceramic (Includes rubber sealing ring)
8B	74369007	1	SPRING ASSEMBLY, seal (Includes rear seal face)
9	74371887	1	BODY, pump
	70903775	6	CAPSCREW, 3/8"NC x 7/8"
	70916965	6	LOCKWASHER, plated, 3/8"
10	74369005	1	SEAL, oil
11	74253870	1	BEARING, ball, pump shaft, rear
12	74373645	1	SHAFT, pump
	70910867	1	NUT, slotted, 1/2"NF
	70900802	1	PIN, cotter, 3/32" x 1"
13	74660677	1	KEY, drive gear
14	74253871	1	BEARING, ball, pump shaft, front
15	74363488	1	RING, snap, bearing retaining
16	74373266	1	GEAR, driving
17	74363489	1	WASHER, gear retaining
18	74310257	2	□GASKET, connecting elbows
19	74368928	1	ELBOW, water outlet
	70904706	2	CAPSCREW, 7/16"NC x 1-1/4"
	70904207	2	LOCKWASHER, 7/16"
20	74376398	1	□GASKET, mounting
21	74371116	5	STUD, water pump
	70910123	5	NUT, 3/8"NF
	70904206	5	LOCKWASHER, 3/8"

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WATER PUMP (Continued)

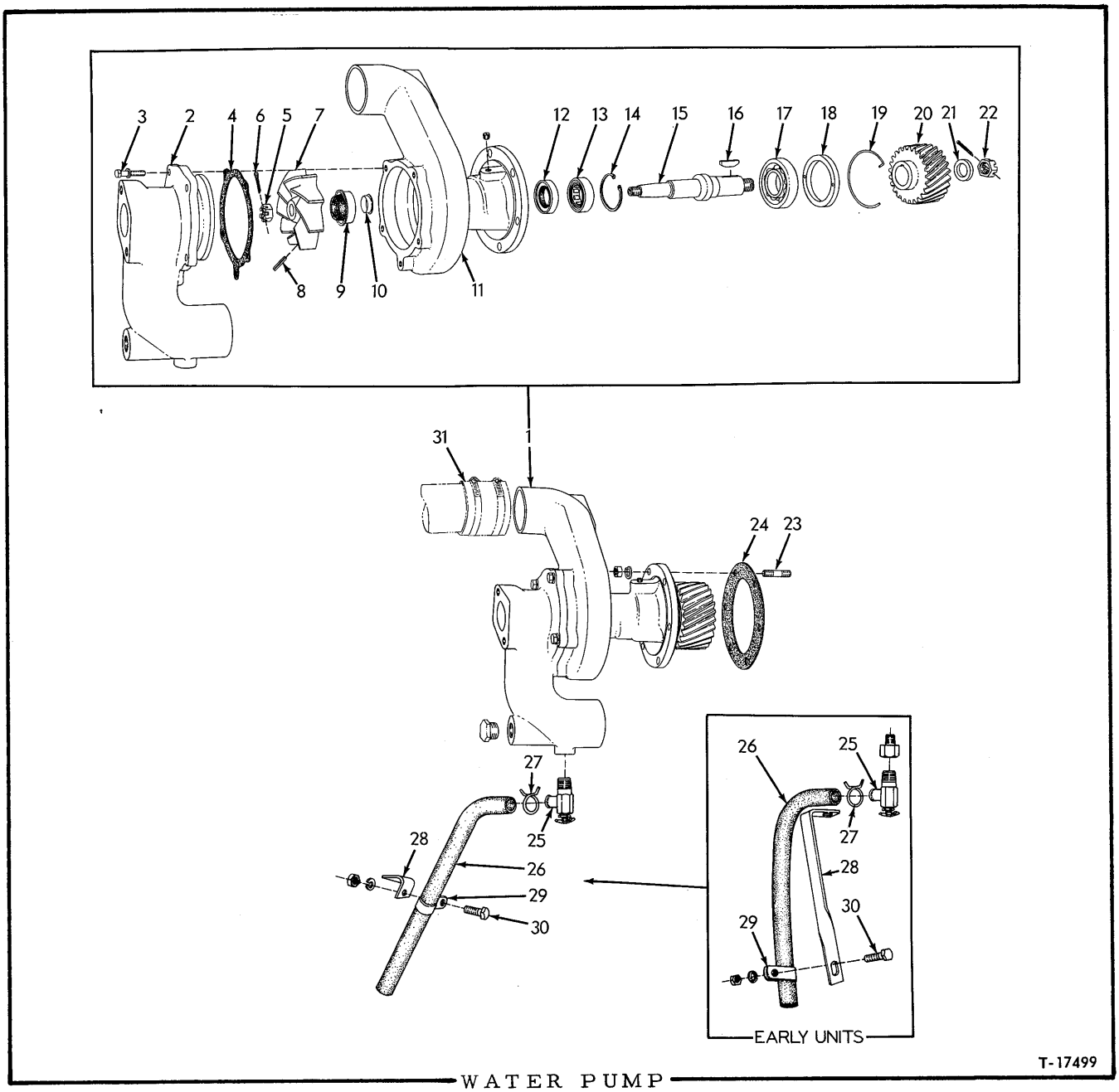
ITEM	PART NO.	QTY.	DESCRIPTION
22	74373723	1	ELBOW, water inlet
	70904706	2	CAPSCREW, 7/16"NC x 1-1/4"
	70904207	2	LOCKWASHER, 7/16"
23	70079751	1	COCK, water drain (1/4"NPT)(Used prior to tractor #1605)
	70089894	1	COCK, water drain (3/8"NPT)(Effective with tractor #1605)
24	70089604	1	HOSE, water drain (3/8"I.D.)(Used prior to tractor #1605)
	70643744	1	HOSE, water drain (5/8"I.D.)(Effective with tractor #1605)
25	70089879	1	CLAMP, hose, spring type, 9/16" diam. (Used prior to tractor #1605)
	70089107	1	CLAMP, hose, spring type, 15/16" diam. (Effective with tractor #1605)
26	70069657	1	CLIP, hose supporting
27	70036034	1	CAPSCREW, 3/8"NF x 1"
	70904206	1	LOCKWASHER, 3/8"
	70911041	1	NUT, 3/8"NF
28	70082613	1	BRACKET, supporting, water drain hose
29	------	-	HOSE (See WATER INLET MANIFOLD AND HEAT EXCHANGER)



WATER PUMP CHANGEOVER KIT

USAGE: For engines prior to serial No. 16-2743

ITEM	PART NO.	QTY.	DESCRIPTION
-	74375966	1	CHANGEOVER KIT, water pump (Consists of items 1 thru 11)
1	74387254	1	PUMP ASSEMBLY, water (See page 208 for parts)
2	74376398	1	□ GASKET, pump mounting
3	74375967	1	HOSE, water inlet (2-1/2"I. D. x 5-1/2")
4	74375968	1	TUBE, water inlet hose
5	74375972	1	ELBOW, oil cooler hose
6	74375970	1	HOSE, oil cooler (5/8"I. D. x 1-7/8")
7	70921911	2	CLAMP, hose
8	70912483	1	ADAPTER, reducing, 3/8"NPT female to 1/4"NPT male
9	74371027	2	GASKET, oil cooler connections
10	74375755	1	PLATE, by-pass hole cover
	70903775	2	CAPSCREW, 3/8"NC x 7/8"
	70904206	2	LOCKWASHER, 3/8"
11	74030481	1	□ GASKET, by-pass hole cover plate



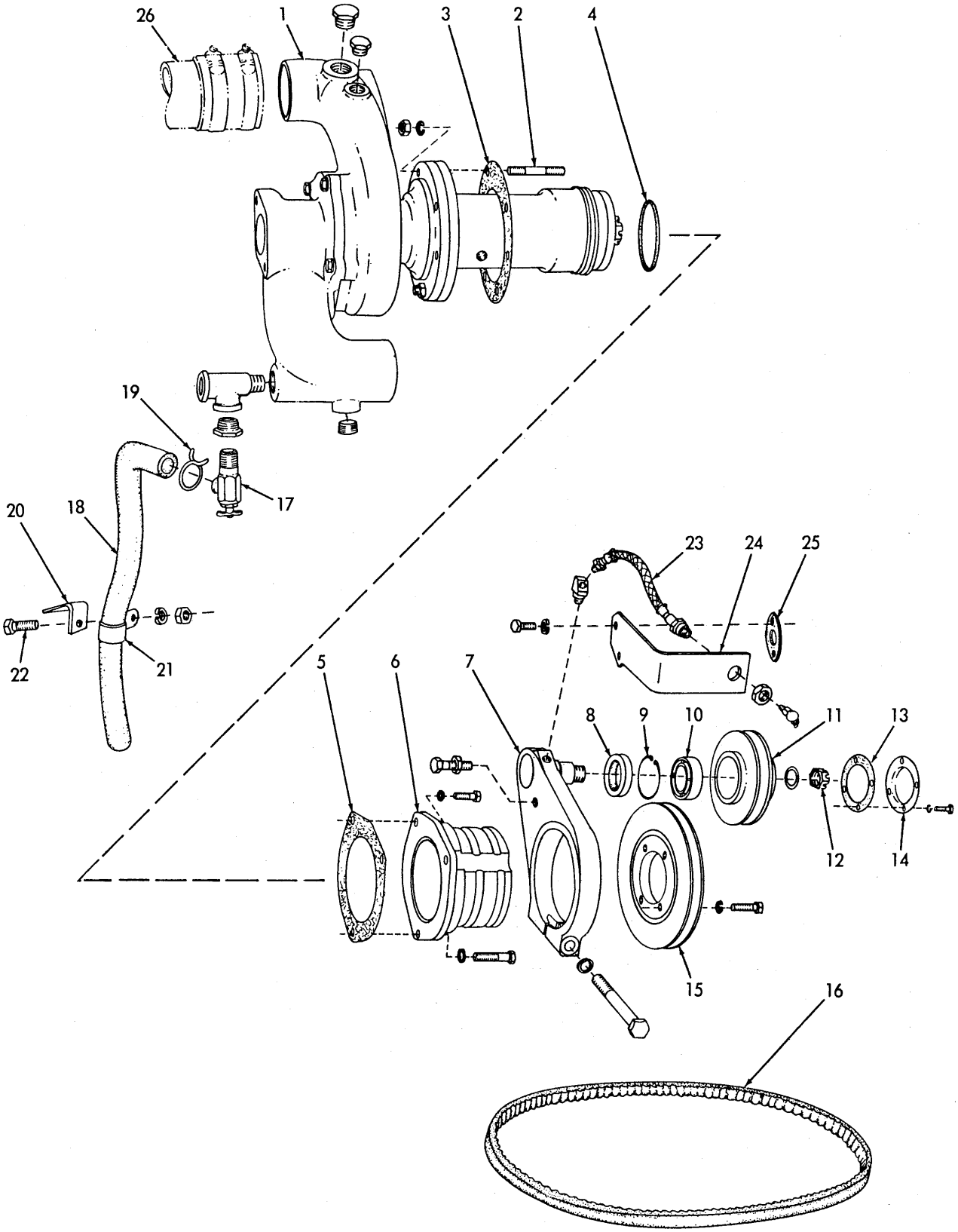
WATER PUMP

USAGE: Engines serial No. 16-2743 thru No. 16-05388. Also see page 207 for Pump Changeover Kit for prior units.

ITEM	PART NO.	QTY.	DESCRIPTION
1	74387254	1	PUMP ASSEMBLY, water (Consists of item 2 thru 22)
	70920416	1	PLUG, pipe, hex-hd., 1/2"NPT (Effective with tractor #4001)
2	74375682	1	COVER, pump inlet
	-------	1	PLUG, pipe, 3/8"NPT (For shipping only)
3	74041092	4	CAPSCREW ASSEMBLY (Includes lockwasher)
4	74372421	1	GASKET, pump inlet cover
5	74375686	1	NUT, impeller retaining

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
6	74041097	1	PIN, cotter, impeller retaining nut
7	74389359	1	IMPELLER ASSEMBLY (includes ceramic insert)
8	74375694	1	PIN, groove, impeller retaining
9	74386862	1	SEAL ASSEMBLY (Serviced only as a unit)
10	74375695	1	FLINGER, water (Used prior to engine #16-4880)
11	74375685	1	BODY, pump (Used prior to engine #16-4936)
	74387255	1	BODY, pump (Effective with engine #16-4936)
	70910230	1	PLUG, pipe, slotted-hd., 1/8"NPT
12	74660478	1	SEAL, oil
13	74041098	1	BEARING, roller, pump shaft, rear (1.850 O.D.) (Used prior to engine #16-4936)
	74255338	1	BEARING, roller, pump shaft, rear (2.047 O.D.)(Effective with engine #16-4936)
14	74041099	1	RING, snap, bearing retaining (2" O.D.)(Used prior to engine #16-4936)
	74254100	1	RING, snap, bearing retaining (2-1/4" O.D.)(Effective with engine #16-4936)
15	74386861	1	SHAFT, pump (nickel-plated)(Used prior to engine #16-4936)
	74387256	1	SHAFT, pump (stainless steel)(Effective with engine #16-4936)
16	74660677	1	KEY, pump shaft
17	74253871	1	BEARING, ball, pump shaft, front
18	74375690	1	RETAINER, ball bearing
19	74371707	1	LOCKWIRE, bearing retaining
20	74373266	1	GEAR, driving
21	74375691	1	WASHER, gear retaining
22	74052167	1	NUT, gear retaining
	70900808	1	PIN, cotter, 1/8" x 1-1/2"
23	74371116	5	STUD, water pump
	70904206	5	LOCKWASHER, 3/8"
	70910123	5	NUT, 3/8"NF
24	74376398	1	□GASKET, pump mounting
25	70089894	1	COCK, water drain
	70912483	1	ADAPTER, reducing, 3/8"NPT female to 1/4"NPT male (Used prior to engine #16-2753)
26	70643744	1	HOSE, water drain
27	70089107	1	CLAMP, hose (spring type, 15/16" diam.)
28	70082613	1	BRACKET, supporting, water drain hose (Used prior to tractor #2939)
	70096208	1	ANGLE, supporting, water drain hose (Effective with tractor #2939)
29	70069657	1	CLIP, hose supporting
30	70035167	1	CAPSCREW, 3/8"NF x 7/8"
	70904206	1	LOCKWASHER, 3/8"
	70911041	1	NUT, 3/8"NF
31	------	-	HOSE (See WATER INLET MANIFOLD AND HEAT EXCHANGER)



WATER PUMP (Third type)

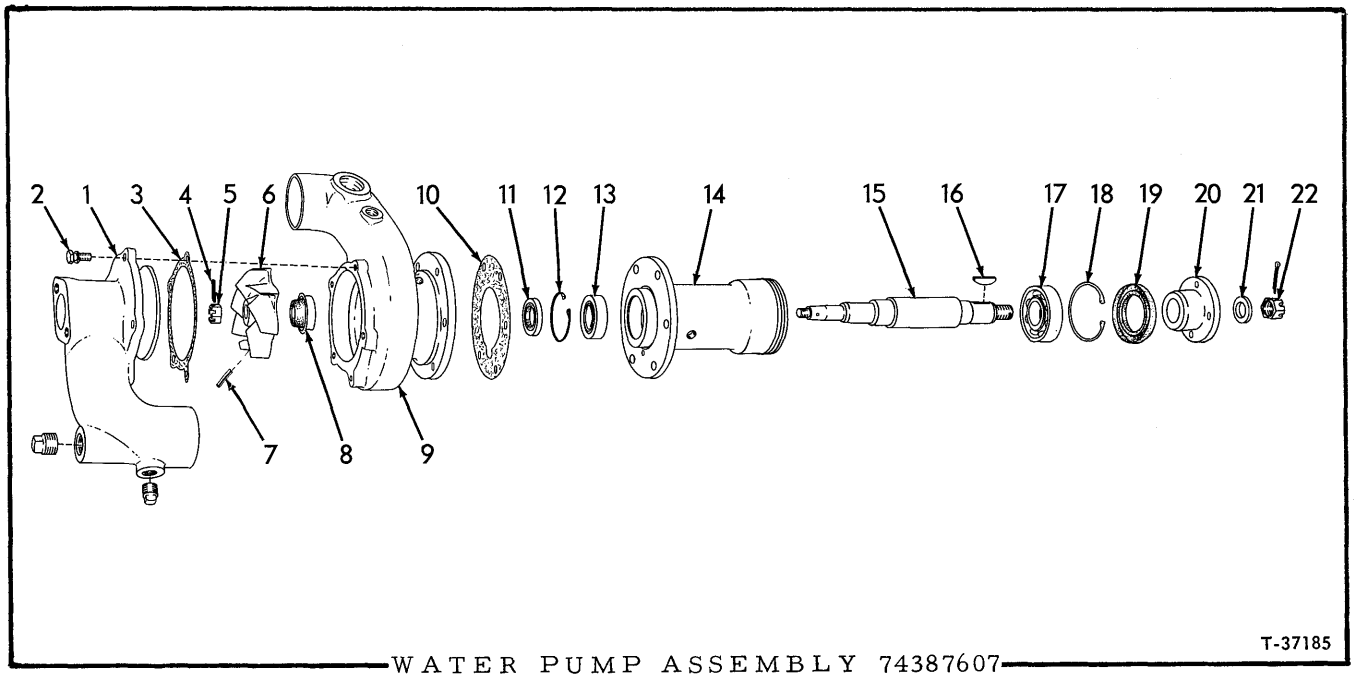
WATER PUMP

USAGE: Engines serial No. 16-05389 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	74387607	1	PUMP ASSEMBLY (See page 209D for parts)
	70918887	1	PLUG, pipe, hex-socket, 3/8"NPT
	70920333	1	PLUG, pipe, hex-hd., 3/8"NPT
	70921073	1	PLUG, pipe, hex-hd., 1"NPT
2	74513810	5	STUD, attaching
	70904206	5	LOCKWASHER, 3/8"
	70910123	5	NUT, 3/8"NF
3	74376398	1	□ GASKET, pump mounting
4	70923935	1	O-RING, pump body
5	74361740	1	GASKET, idler support
6	74386855	1	SUPPORT, belt tightening idler
	70919224	1	CAPSCREW, 3/8"NC x 1-1/8"
	70912069	2	CAPSCREW, 3/8"NC x 2-1/2"
	70904206	3	LOCKWASHER, 3/8"
7	74388518	1	BRACKET, supporting, idler pulley
	70916320	1	CAPSCREW, 1/2"NC x 4" (For clamping)
	70904208	1	LOCKWASHER, 1/2"
	70916314	1	CAPSCREW, 1/2"NC x 2" (For adjusting)
	70910510	1	NUT, jam, 1/2"NC
8	74254670	1	SEAL, oil, idler pulley
9	74254100	1	RING, snap, idler pulley
10	74255031	1	BEARING, ball, idler pulley
11	74387294	1	PULLEY, idler
12	70917626	1	NUT, self-locking, 3/4"NF
	70910819	1	WASHER, plain
13	74347752	1	GASKET, idler pulley cover
14	74347751	1	COVER, idler pulley
	70915343	4	CAPSCREW, 1/4"NC x 5/8"
	70904204	4	LOCKWASHER, 1/4"
15	74386824	1	PULLEY
	70916225	4	CAPSCREW, 3/8"NF x 1"
	70904206	4	LOCKWASHER, 3/8"
16	74388434	1	BELT, pump driving
17	70089894	1	COCK, water drain
	70914087	1	TEE, pipe, service, 1/2"NPT
	70904271	1	BUSHING, pipe reducing, 1/2"NPT to 3/8"NPT
18	70643744	1	HOSE, water drain
19	70089107	1	CLAMP, hose, spring type, 15/16" diam.
20	70096208	1	ANGLE, supporting, water drain hole

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
21	70069657	1	CLIP, drain hose
22	70035167	1	CAPSCREW, 3/8"NF x 7/8"
	70904206	1	LOCKWASHER, 3/8"
	70911041	1	NUT, 3/8"NF
23	70605782	1	HOSE, lubricating
	70914464	1	ELBOW, adapting, 45°, 1/8"NPT male and female
	70915275	1	FITTING, lubricating, 65°, 1/8"NPT
	70903574	1	NUT, jam, 5/8"NC
24	74387993	1	BRACKET, lubricating hose
	70915408	2	CAPSCREW, 3/8"NC x 3/4"
	70904206	2	LOCKWASHER, 3/8"
25	74371027	1	GASKET, lubricating hose bracket
26	-------	1	HOSE (See WATER INLET MANIFOLD AND HEAT EXCHANGER)

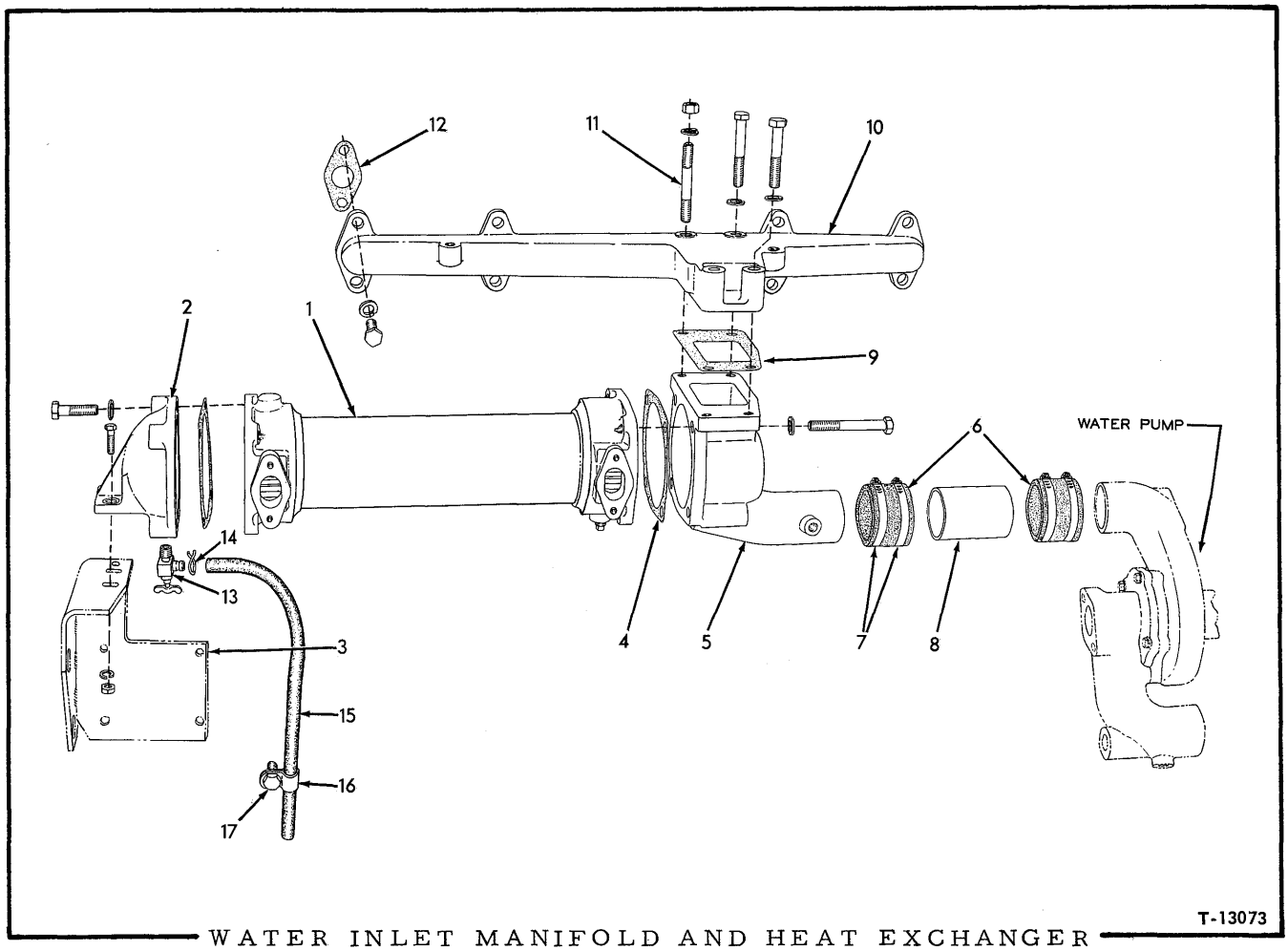


WATER PUMP ASSEMBLY 74387607

WATER PUMP ASSEMBLY 4387607

USAGE: See page 209B

ITEM	PART NO.	QTY.	DESCRIPTION
1	74375682	1	COVER, pump inlet
	-------	1	PLUG, pipe, 3/8"NPT (bottom)
	-------	1	PLUG, pipe, 1/2"NPT (rear)
2	74041092	4	CAPSCREW ASSEMBLY (Includes lockwasher)
3	74372421	1	GASKET, pump inlet cover
4	74041097	1	PIN, cotter, impeller retaining nut
5	74375686	1	NUT, impeller retaining
6	74386860	1	IMPELLER ASSEMBLY (Includes ceramic insert)
7	74375694	1	PIN, impeller retaining
8	74386862	1	SEAL ASSEMBLY (Serviced only as a unit)
9	74387609	1	BODY, pump
10	74387051	1	GASKET, pump body
11	74387605	1	SEAL, oil, rear end
12	74254100	1	RING, snap, rear bearing
13	74255338	1	BEARING, roller (rear)
14	74387050	1	SLEEVE, extension
15	74387606	1	SHAFT
16	74660677	1	KEY, pump shaft
17	74253871	1	BEARING, ball (front)
18	74253318	1	RING, snap, front bearing
19	74254948	1	SEAL, oil, front end
20	74386924	1	HUB, drive
21	74375691	1	WASHER, hub retaining
22	74052167	1	NUT, hub retaining
	70900808	1	PIN, cotter, 1/8" x 1-1/2"



WATER INLET MANIFOLD AND HEAT EXCHANGER

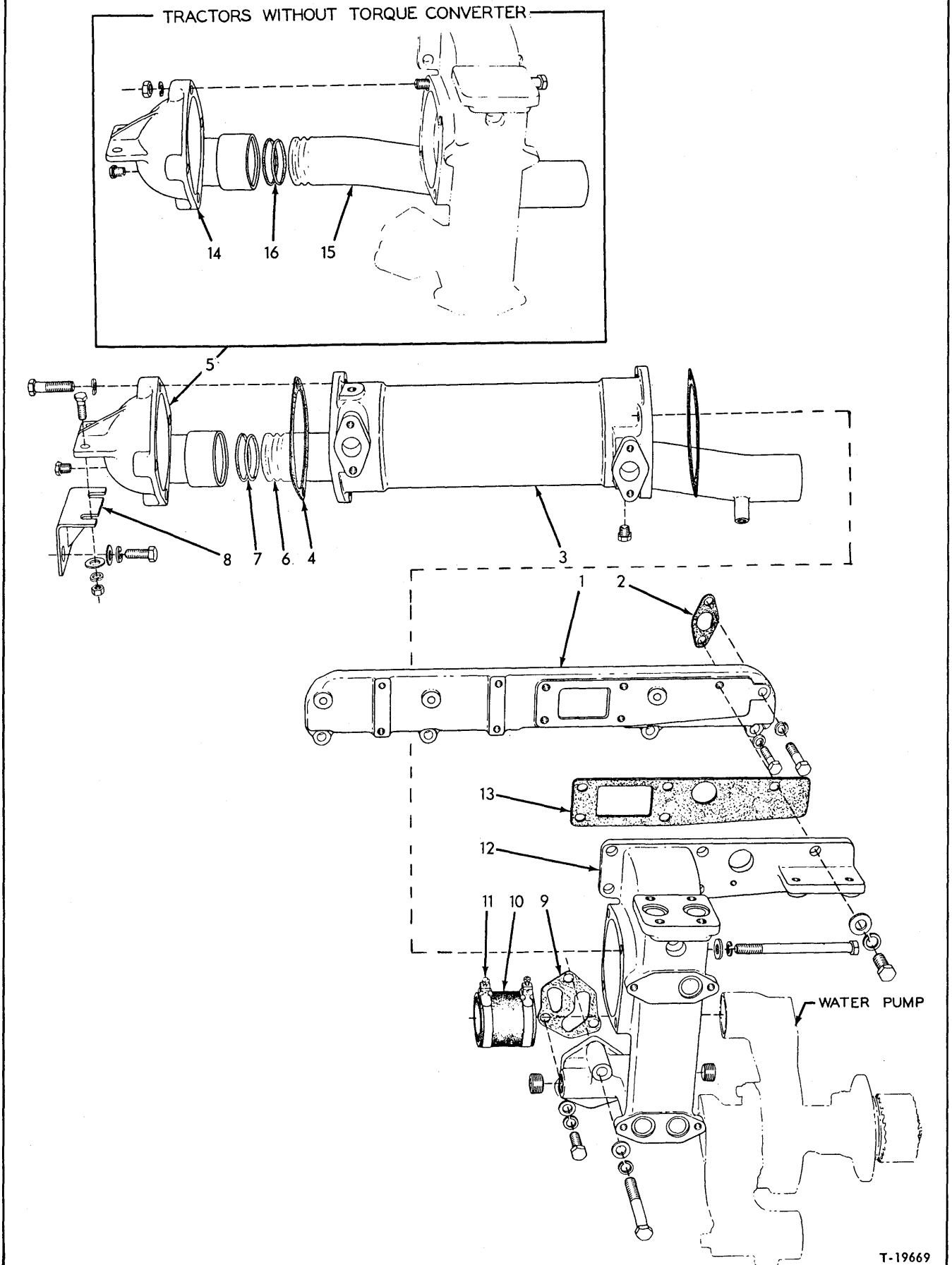
USAGE: Tractors prior to serial No. 4001

* Tractors with torque converter
** Tractors without torque converter

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	74369806	1	-	EXCHANGER, heat (5/16"NC threads) (Used prior to engine #16-2999)
	74376100	1	-	EXCHANGER, heat (3/8"NC threads) (Effective with engine #16-2999)
	70906700	4	-	CAPSCREW, 1/2"NC x 3-3/4"
	70904208	4	-	LOCKWASHER, 1/2"
2	74373724	1	1	BONNET, heat exchanger and water inlet
	70907070	-	1	PLUG, pipe, ctsk., 1/4"NPT
	70917010	4	-	CAPSCREW, 1/2"NC x 1-7/8"
	70910257	-	4	CAPSCREW, 1/2"NC x 4-3/4"
	70904208	4	4	LOCKWASHER, 1/2"
	70910325	-	4	NUT, 1/2"NC
	70910211	2	-	CAPSCREW, 3/8"NC x 1-1/8"
	70904206	2	-	LOCKWASHER, 3/8"
	70910324	2	-	NUT, 3/8"NC
3	------	1	-	BRACKET, heat exchanger and generator regulator (See GENERATOR)

(Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
4	74371160	2	1	□ GASKET, heat exchanger
5	74369814	1	1	INLET, water, heat exchanger to manifold (Used prior to engine #81526)
	74372428	1	1	INLET, water, heat exchanger to manifold (Used on engines #81526 thru #16-2742)
	74375659	1	1	INLET, water, heat exchanger to manifold (Effective with engine #16-2742)
	70903781	2	2	CAPSCREW, 1/2"NC x 2-3/4"
	70903782	1	1	CAPSCREW, 1/2"NC x 3-1/2" (Also attaches oil filter)
	70904208	3	3	LOCKWASHER, 1/2"
6	74014655	2	2	HOSE, water tee (2-1/2"I. D. x 2-1/2" long)(Used prior to engine #16-2742)
	74361978	2	2	HOSE, water tube (2-1/2"I. D. x 2" long)(Effective with engine #16-2742)
7	74253464	4	4	CLAMP, hose
8	74373699	1	1	TEE, water pump to heat exchanger (Has connection for oil cooler water line)(Used prior to engine #16-2742)
	74375707	1	1	TUBE, water pump to heat exchanger (Effective with engine #16-2742)
9	74369830	1	1	GASKET, water inlet to manifold (Used prior to engine #81526)
	74372429	1	1	□ GASKET, water inlet to manifold (Effective with engine #81526)
10	74369828	1	1	MANIFOLD, cylinder block water inlet (Used prior to engine #81526)
	74372427	1	1	MANIFOLD, cylinder block water inlet (Effective with engine #81526)
	70903639	8	8	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	8	8	LOCKWASHER, 1/2"
11	74611458	1	1	STUD, water inlet (1/2" diam.)(Also attaches oil filter)
	70904208	1	1	LOCKWASHER, 1/2"
	70910195	1	1	NUT, 1/2"NF
12	74385520	4	4	□ GASKET, water inlet manifold
				NOTE: Items 13 thru 17 became effective with tractor serial No. 1508
13	70079751	1	-	COCK, water drain
14	70089879	1	-	CLAMP, water drain hose
15	70089604	1	-	HOSE, water drain
16	70048145	1	-	CLIP, hose supporting
17	70035221	1	-	CAPSCREW, 1/2"NC x 1"
	70904208	1	-	LOCKWASHER, 1/2"



WATER INLET MANIFOLD AND HEAT EXCHANGER (Second type)

WATER INLET MANIFOLD AND HEAT EXCHANGER

USAGE: Tractors serial No. 4001 and up.

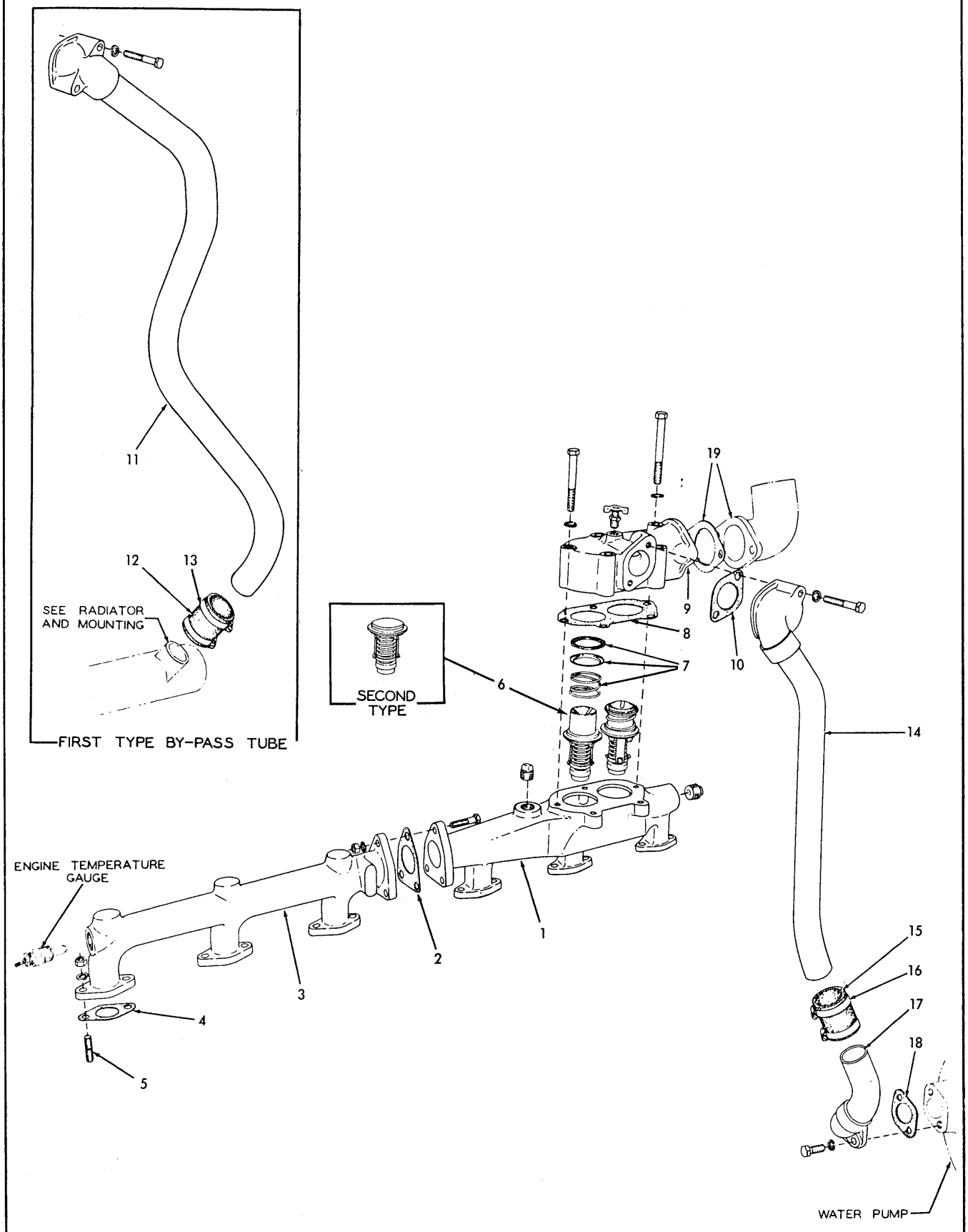
* Tractors with torque converter
** Tractors without torque converter

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	74385541	1	1	MANIFOLD, water inlet
	70919231	4	4	CAPSCREW, 1/2"NC x 1-7/8"
	70916317	4	4	CAPSCREW, 1/2"NC x 2-3/4"
	70904208	8	8	LOCKWASHER, 1/2"
2	74385520	4	4	□GASKET, water inlet manifold
3	74377645	1	-	EXCHANGER, heat, torque converter fluid
	70919840	1	-	PLUG, pipe, hex-hd., 1/4"NPT
	70916322	4	-	CAPSCREW, 1/2"NC x 5"
	70904208	4	-	LOCKWASHER, 1/2"
	70916009	4	-	WASHER, plain
4	74371160	2	1	□GASKET, heat exchanger
5	74378070	1	-	BONNET, heat exchanger (If for engines prior to #16-3150 also order items 6 and 7)
	70919840	1	-	PLUG, pipe, hex-hd., 1/4"NPT
	70903632	2	-	CAPSCREW, 3/8"NC x 1-1/2"
	70911115	2	-	WASHER, plain, SAE std., 3/8"
	70904206	2	-	LOCKWASHER, 3/8"
	70910324	2	-	NUT, 3/8"NC
	70919231	4	-	CAPSCREW, 1/2"NC x 1-7/8"
	70904208	4	-	LOCKWASHER, 1/2"
6	74378069	1	-	TUBE, pump to bonnet (Used on engines #16-3150 thru #16-4407)
	74385985	1	-	TUBE, pump to bonnet (Used on engines #16-4408 thru #16-05388)
	74386957	1	-	TUBE, pump to bonnet (Effective with engine #16-05389)
7	70923651	2	-	□O-RING, bonnet tube (Effective with engine #16-3150)
8	74377248	1	-	BRACKET, supporting, heat exchanger
	70903638	2	-	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	2	-	LOCKWASHER, 1/2"
	70910244	2	-	WASHER, plain, SAE std., 1/2"
9	74386495	1	1	□GASKET, manifold to block
10	74378278	1	-	HOSE, heat exchanger to water pump
	74378843	-	1	HOSE, heat exchanger to water pump
11	74253464	2	2	CLAMP, hose

(Continued)

WATER INLET MANIFOLD AND HEAT EXCHANGER (Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
12	74377455	1	1	MANIFOLD ASSEMBLY, water and oil (Includes PLUGS indented below)(Used prior to engine #16-5686)
	70904224	2	2	PLUG, pipe, ctsk , 3/4"NPT
	74389062	1	1	MANIFOLD, water and oil (Effective with engine #16-5586)
	70916311	5	5	CAPSCREW, 1/2"NC x 1-1/4"
	70915987	2	2	CAPSCREW, 1/2"NC x 1-1/2"
	70914399	1	1	CAPSCREW, 1/2"NC x 3-3/4" (Engines prior to #16-5586)
	70916320	1	1	CAPSCREW, 1/2"NC x 4" (Engines #16-5586 and up)
	70904208	8	8	LOCKWASHER, 1/2"
	70912333	8	8	WASHER, plain
13	74376809	1	1	□GASKET, water and oil manifold
14	74378070	-	1	BONNET, water inlet (If for engine prior to #16-3222 also order items 15 and 16)
	70919840	-	1	PLUG, pipe, hex-hd., 1/4"NPT
	70916324	-	4	CAPSCREW, 1/2"NC x 6"
	70904208	-	4	LOCKWASHER, 1/2"
	70910325	-	4	NUT, 1/2"NC
15	74378071	-	1	TUBE, pump to bonnet (Used on engines #16-3222 thru #16-4407)
	74385994	-	1	TUBE, pump to bonnet (Used on engines #16-4408 thru #16-05388)
	74386950	-	1	TUBE, pump to bonnet (Effective with engine #16-05389)
16	70923651	-	2	□O-RING, bonnet tube (Effective with engine #16-3222)



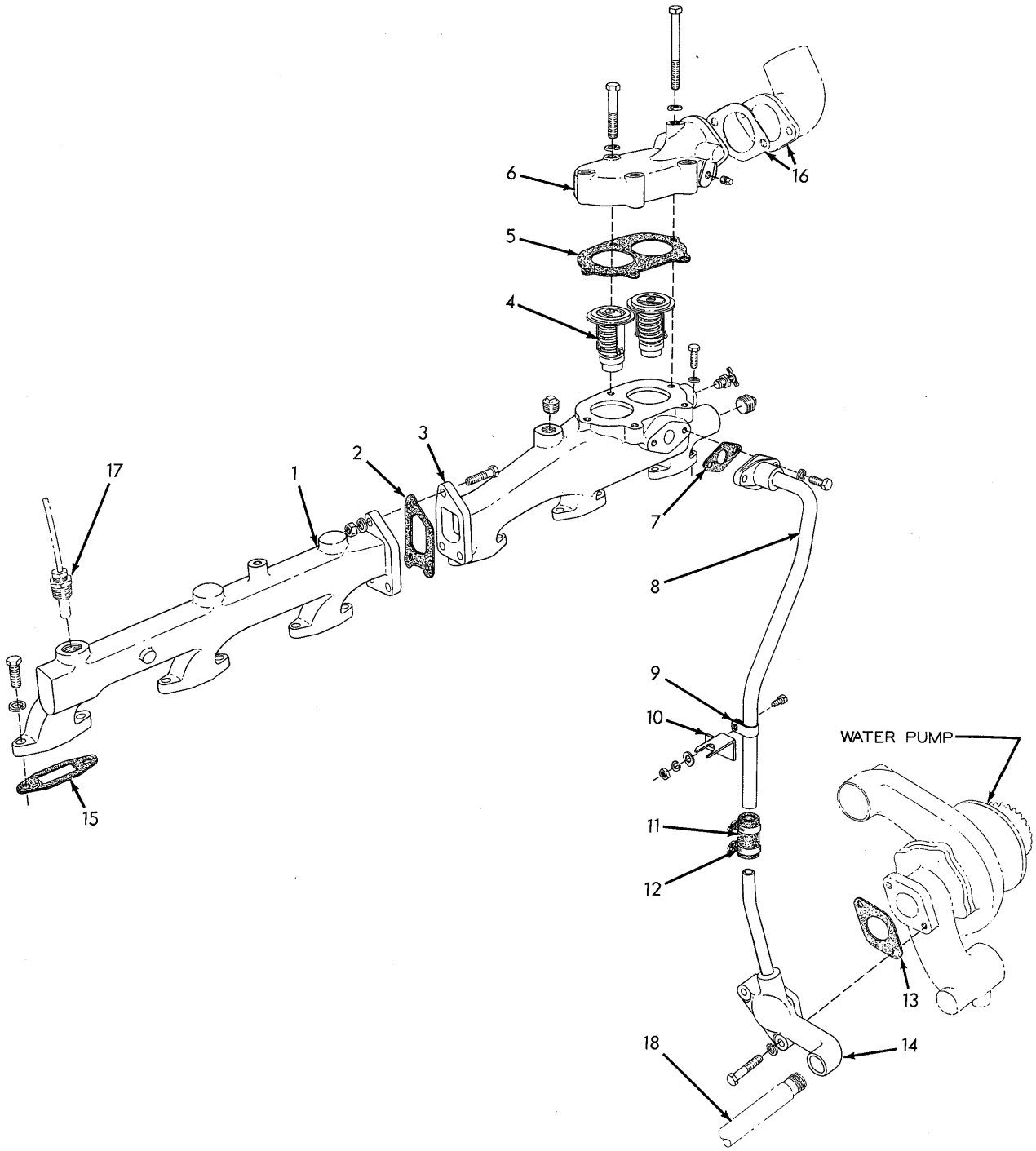
WATER OUTLET MANIFOLD (First Type)

WATER OUTLET MANIFOLD

USAGE: Tractors prior to serial No. 4001

* Used prior to engine serial No. 16-2743
** Effective with engine serial No. 16-2743

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	74371886	1	1	MANIFOLD, front (Used prior to engine #16-2753)
	74376525	-	1	MANIFOLD, front (Effective with engine #16-2753)
	70912726	1	1	PLUG, pipe, 3/4"NPT
	70912725	1	1	PLUG, pipe, 1/2"NPT
2	74371897	1	1	□GASKET, manifold connecting
3	74371882	1	1	MANIFOLD, rear
	70914499	3	3	CAPSCREW, 3/8"NC x 1-5/8"
	70904206	3	3	LOCKWASHER, 3/8"
	70910324	3	3	NUT, 3/8"NC
4	74660355	6	6	□GASKET, manifold to head
5	74001360	12	12	STUD, manifold
	70910123	12	12	NUT, 3/8"NF
	70904206	12	12	LOCKWASHER, 3/8"
6	74363280	2	2	THERMOSTAT (Used prior to engine #16-2753)
	74379916	-	2	THERMOSTAT (Effective with engine #16-2753)
7	74375678	2	2	SEAL ASSEMBLY, thermostat (1 seal, 1 spring, 1 retainer. Serviced only as a unit)(Used prior to engine #16-2753)
8	74376520	-	1	□GASKET, thermostat cover
9	74374418	1	1	COVER ASSEMBLY, thermostat (Includes brass inserts)(Used prior to engine #16-2753)
	74376521	-	1	COVER ASSEMBLY, thermostat (Includes inserts)(Effective with engine #16-2753)
	70912415	1	1	COCK, T-handle, 1/4"NPT (For venting air)(Effective with engine #84205)
	70915601	4	4	CAPSCREW, 7/16"NC x 3-1/4"
	70915604	1	1	CAPSCREW, 7/16"NC x 4"
	70904207	5	5	LOCKWASHER, 7/16"
10	74386137	1	1	□GASKET, upper water by-pass line
11	74372389	1	-	LINE, water by-pass
	70904281	2	-	CAPSCREW, 3/8"NC x 2-1/4"
	70904206	2	-	LOCKWASHER, 3/8"
12	70075870	1	-	HOSE, water by-pass tube (1-5/8"I.D. x 2-1/4")
13	70921913	2	-	CLAMP, hose, 1-13/16" to 2-3/4" diam.
14	74375718	-	1	LINE, water by-pass, upper section
	70903636	-	2	CAPSCREW, 3/8"NC x 2-3/4"
	70904206	-	2	LOCKWASHER, 3/8"
15	74369981	-	1	HOSE, water by-pass line
16	74253457	-	2	CLAMP, hose
17	74375716	-	1	LINE, water by-pass, lower section
	70903630	-	2	CAPSCREW, 3/8"NC x 1"
	70904206	-	2	LOCKWASHER, 3/8"
18	74030481	-	1	□GASKET, lower water by-pass line
19	-------	-	-	ELBOW AND GASKET (See RADIATOR AND MOUNTING)



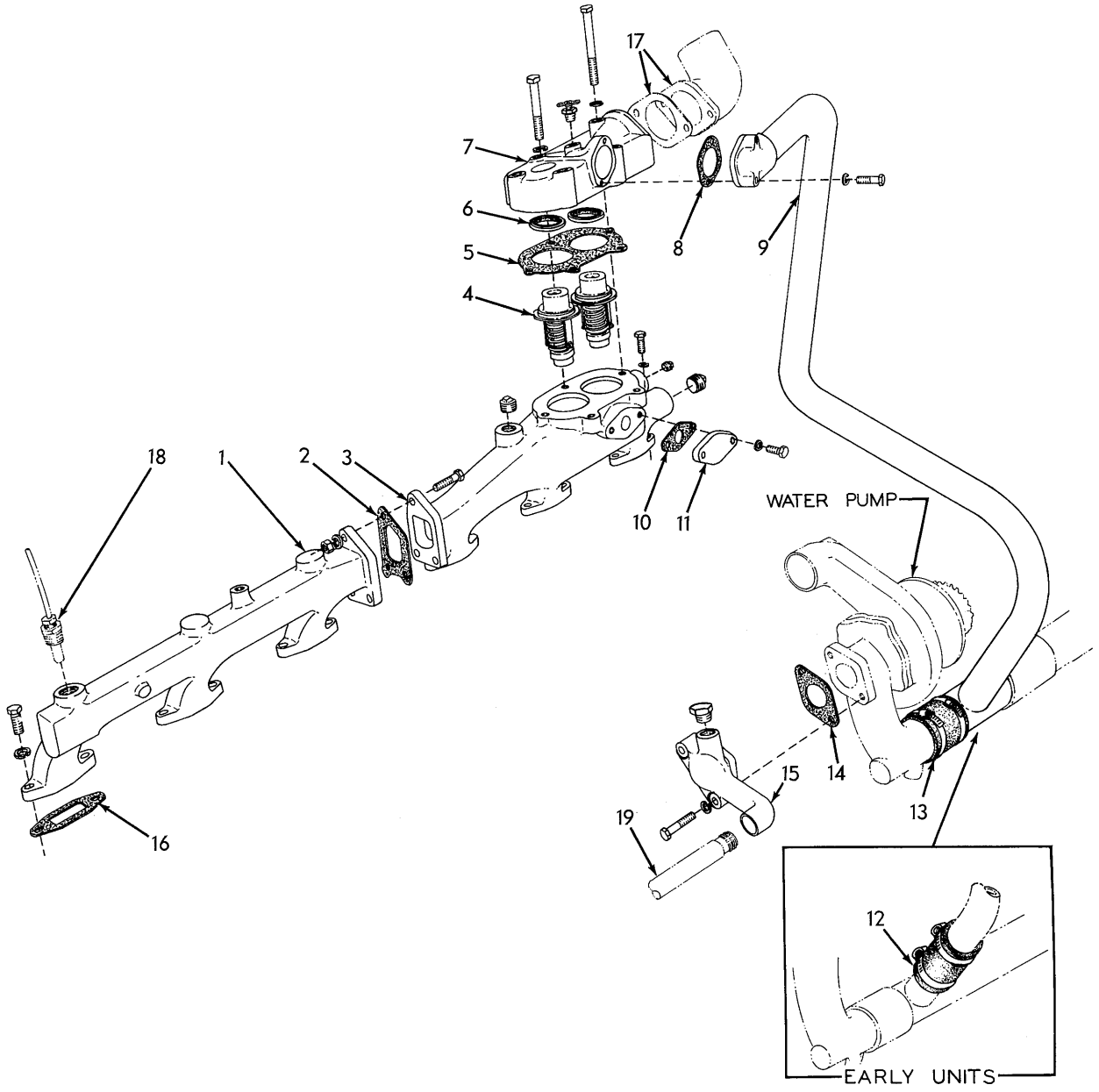
T-19668

WATER OUTLET MANIFOLD (Second type)

WATER OUTLET MANIFOLD

USAGE: Effective with tractor serial No. 4001 but later discontinued with engine serial No. 16-4408.

ITEM	PART NO.	QTY.	DESCRIPTION
1	74386827	1	MANIFOLD, rear
	70919224	6	CAPSCREW, 3/8"NC x 1-1/8"
	70914499	3	CAPSCREW, 3/8"NC x 1-5/8"
	70904206	9	LOCKWASHER, 3/8"
	70910324	3	NUT, 3/8"NC
2	74392279	1	□GASKET, manifold connecting
3	74388563	1	MANIFOLD, front
	70912415	1	COCK, T-handle, 1/4"NPT (For venting air)
	70912725	1	PLUG, pipe, 1/2"NPT
	70912726	1	PLUG, pipe, 3/4"NPT
	70919224	6	CAPSCREW, 3/8"NC x 1-1/8"
	70904206	6	LOCKWASHER, 3/8"
4	74379916	1	THERMOSTAT (170°)
	74378269	1	THERMOSTAT (180°)
5	74376520	1	□GASKET, thermostat cover
6	74376118	1	COVER, thermostat
	70901651	1	PLUG, pipe, 1/8"NPT
	70916257	4	CAPSCREW, 7/16"NC x 2-1/2"
	70918740	1	CAPSCREW, 7/16"NC x 4"
	70904207	5	LOCKWASHER, 7/16"
7	74362458	1	□GASKET, upper water by-pass tube
8	74378522	1	TUBE, water by-pass, upper section
	70916269	2	CAPSCREW, 3/8"NC x 7/8"
	70904206	2	LOCKWASHER, 3/8"
9	74253668	1	CLAMP, upper water by-pass tube
	70903625	1	CAPSCREW, 1/4"NC x 3/4"
	70911114	1	WASHER, plain, SAE std., 1/4"
	70904204	1	LOCKWASHER, 1/4"
	70911327	1	NUT, 1/4"NC
10	74378378	1	BRACKET, clamp supporting
11	74378836	1	HOSE, water by-pass tube
12	70921911	2	CLAMP, hose
13	74376811	1	□GASKET, lower water by-pass tube
14	74378104	1	TUBE, water by-pass, lower section
	70910948	2	CAPSCREW, 3/8"NC x 2"
	70904206	2	LOCKWASHER, 3/8"
15	74376483	6	□GASKET, manifold to head
16	-------	-	ELBOW AND GASKET (See RADIATOR AND MOUNTING)
17	------	-	GAUGE, temperature (See INSTRUMENTS)
18	-------	-	TUBE, water (See OIL COOLER)



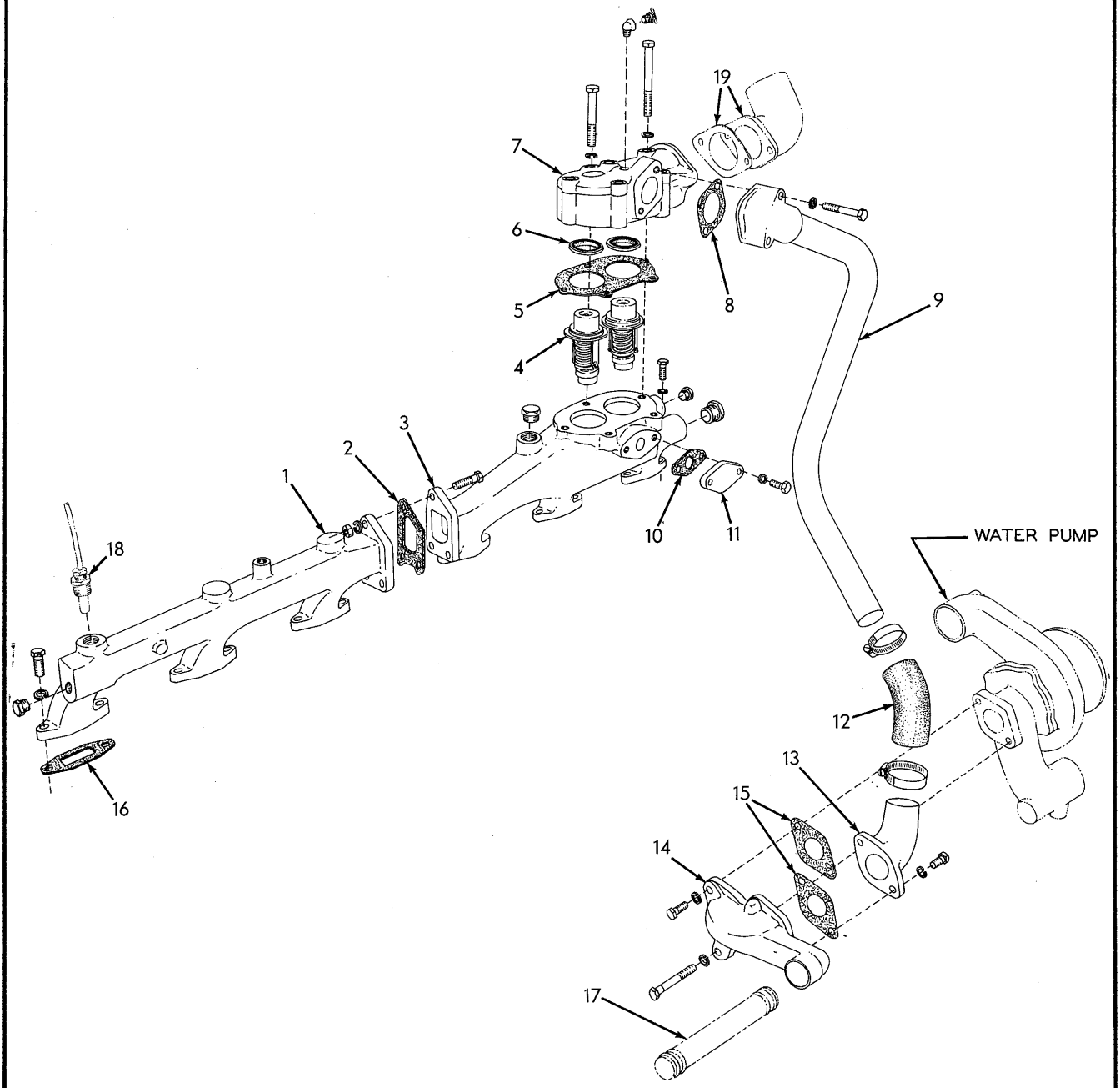
T-33431

WATER OUTLET MANIFOLD (Third type)

WATER OUTLET MANIFOLD

USAGE: Engines serial No. 16-4408 thru No. 16-05389

ITEM	PART NO.	QTY.	DESCRIPTION
1	74386827	1	MANIFOLD, rear
	70919224	6	CAPSCREW, 3/8"NC x 1-1/8"
	70914499	3	CAPSCREW, 3/8"NC x 1-5/8"
	70904206	9	LOCKWASHER, 3/8"
	70910324	3	NUT, 3/8"NC
2	74392279	1	□GASKET, manifold connecting
3	74388563	1	MANIFOLD, front
	70901652	1	PLUG, pipe, 1/4"NPT
	70912725	1	PLUG, pipe, 1/2"NPT
	70912726	1	PLUG, pipe, 3/4"NPT
	70919224	6	CAPSCREW, 3/8"NC x 1-1/8"
	70904206	6	LOCKWASHER, 3/8"
4	4314562	2	THERMOSTAT
5	74376520	1	□GASKET, thermostat cover
6	74317554	2	SEAL, thermostat
7	74385938	1	COVER ASSEMBLY, thermostat (Includes inserts and item 6)
	70912415	1	COCK, T-handle, 1/4"NPT (For venting air)
	70915601	4	CAPSCREW, 7/16"NC x 3-1/4"
	70918740	1	CAPSCREW, 7/16"NC x 4"
	70904207	5	LOCKWASHER, 7/16"
8	74386137	1	□GASKET, water by-pass tube
9	74386055	1	TUBE, water by-pass
	70904281	2	CAPSCREW, 3/8"NC x 2-1/4"
	70904206	2	LOCKWASHER, 3/8"
10	74362458	1	□GASKET, manifold cover
11	74313015	1	COVER, front manifold
	70903629	2	CAPSCREW, 3/8"NC x 3/4"
	70904206	2	LOCKWASHER, 3/8"
12	70075870	1	HOSE, water by-pass tube (Used prior to engine #16-4525 including #16-4533)
	70921913	2	CLAMP, hose, 1-13/16" to 2-3/4" diam.
13	74014655	1	HOSE, water by-pass tube (Effective with engine #16-4525 excluding #16-4533)
	70922199	2	CLAMP, hose
14	74376811	1	□GASKET, water pump flange
15	74385949	1	FLANGE, water pump
	70920416	1	PLUG, pipe, hex-hd., 1/2"NPT
	70910948	2	CAPSCREW, 3/8"NC x 2"
	70904206	2	LOCKWASHER, 3/8"
16	74376483	6	□GASKET, manifold to head
17	--------	-	ELBOW AND GASKET (See RADIATOR AND MOUNTING)
18	--------	-	GAUGE, temperature (See INSTRUMENTS)
19	--------	-	TUBE, water (See OIL COOLER)

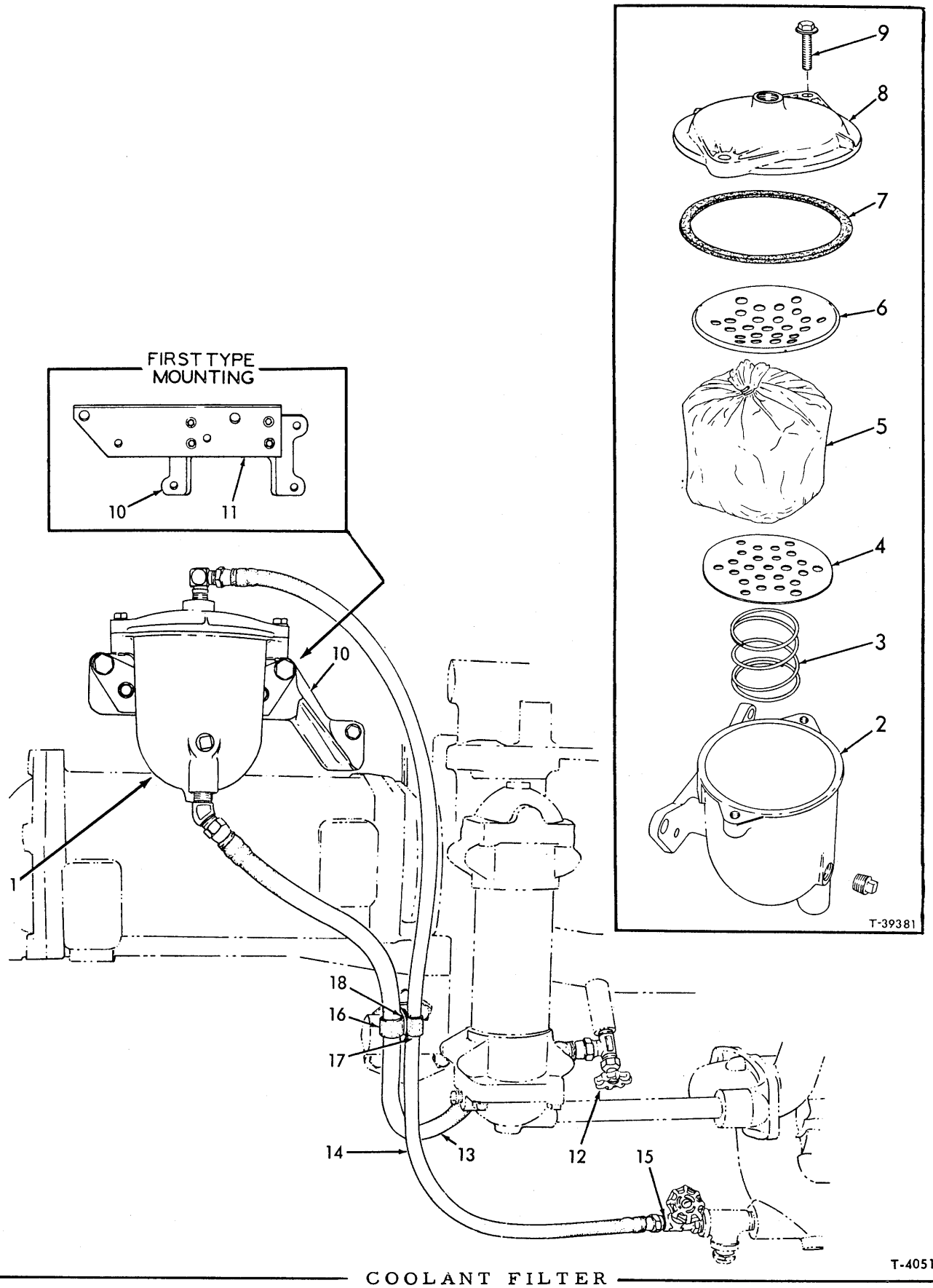


WATER OUTLET MANIFOLD (Fourth type)

WATER OUTLET MANIFOLD

USAGE: Engines serial No. 16-05389 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	74386827	1	MANIFOLD, rear
	70920416	1	PLUG, pipe, hex-hd., 1/2"NPT
	70919224	6	CAPSCREW, 3/8"NC x 1-1/8"
	70919226	3	CAPSCREW, 3/8"NC x 1-5/8"
	70904206	9	LOCKWASHER, 3/8"
	70910324	3	NUT, 3/8"NC
2	74392279	1	□ GASKET, manifold connecting
3	74388563	1	MANIFOLD, front
	70901652	1	PLUG, pipe, 1/4"NPT
	70912725	1	PLUG, pipe, 1/2"NPT
	70912726	1	PLUG, pipe, 3/4"NPT
	70919224	6	CAPSCREW, 3/8"NC x 1-1/8"
	70904206	6	LOCKWASHER, 3/8"
4	74338858	2	THERMOSTAT
5	74376520	1	□ GASKET, thermostat cover
6	74317554	2	SEAL, thermostat
7	74385938	1	COVER ASSEMBLY, thermostat (Includes inserts and item 6)
	70914588	1	ELBOW, street, brass, 90°, 1/4"NPT
	70912415	1	COCK, T-handle, 1/4"NPT (For venting air)
	70918395	4	CAPSCREW, 7/16"NC x 3-1/4"
	70918740	1	CAPSCREW, 7/16"NC x 4"
	70904207	5	LOCKWASHER, 7/16"
8	74386137	1	□ GASKET, water by-pass tube
9	74386891	1	TUBE, water by-pass
	70916274	2	CAPSCREW, 3/8"NC x 2-1/4"
	70904206	2	LOCKWASHER, 3/8"
10	74362458	1	□ GASKET, manifold cover
11	74313015	1	COVER, front manifold
	70915408	2	CAPSCREW, 3/8"NC x 3/4"
	70904206	2	LOCKWASHER, 3/8"
12	74386894	1	ELBOW, water by-pass tube (rubber)
	70922198	2	CLAMP, hose
13	74386881	1	ELBOW, water by-pass line
	70916271	2	CAPSCREW, 3/8"NC x 1"
	70904206	2	LOCKWASHER, 3/8"
14	74386779	1	FLANGE, water pump
	70919224	1	CAPSCREW, 3/8"NC x 1-1/8"
	70915990	1	CAPSCREW, 3/8"NC x 2-3/4"
	70904206	2	LOCKWASHER, 3/8"
15	74376811	2	□ GASKET, water pump flange
16	74376483	6	□ GASKET, manifold to head
17	-------	-	TUBE, water (See OIL COOLER)
18	-------	-	GAUGE, temperature (See INSTRUMENTS)
19	-------	-	ELBOW AND GASKET (See RADIATOR AND MOUNTING)



COOLANT FILTER

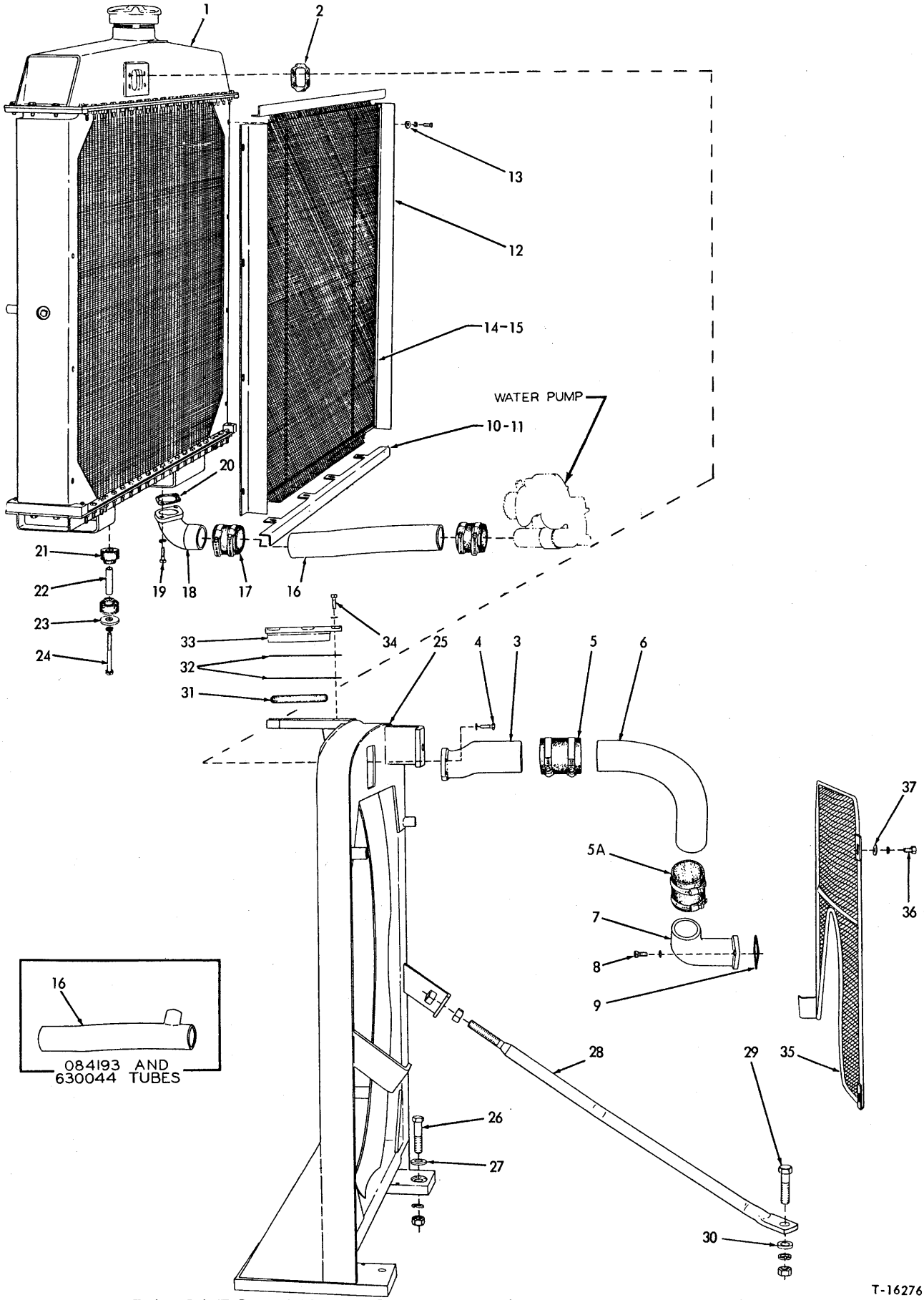
COOLANT FILTER

USAGE: Engines serial No. 16-4408 and up

* Engines prior to serial No. 16-4706
** Engines serial No. 16-4706 and up

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	74387474	1	1	FILTER ASSEMBLY, water (Consists of items 2 thru 9. Has element for use with permanent anti-freeze)
	70903638	2	-	CAPSCREW, 1/2"NC x 1-1/4"
	70913717	-	2	CAPSCREW, 1/2"NC x 1"
	70900818	2	2	WASHER, plain, U.S. std., 1/2"
	70904208	2	2	LOCKWASHER, 1/2"
	70903773	2	-	CAPSCREW, 5/16"NC x 1-1/4"
	70914392	-	2	CAPSCREW, 5/16"NC x 1"
	70901165	2	2	WASHER, plain, U.S. std., 5/16"
	70904205	2	2	LOCKWASHER, 5/16"
2	74055031	1	1	BODY, filter
	70901653	1	1	PLUG, pipe, 3/8"NPT
3	74054569	1	1	SPRING, filter element
4	74054568	1	1	PLATE, filter element, lower
5	74054567	1	1	ELEMENT, filter (Cannot be used with permanent anti-freeze)
	74055532	1	1	ELEMENT, filter (Can be used with permanent anti-freeze)
6	74055034	1	1	PLATE, filter element, upper
7	74054566	1	1	GASKET, filter cover
8	74055032	1	1	COVER, filter
9	74055033	2	2	BOLT ASSEMBLY, filter cover (Includes washer)
10	74377951	1	-	BRACKET, filter mounting
	74386198	-	1	BRACKET, filter mounting
	70919224	4	3	CAPSCREW, 3/8"NC x 1-1/8"
	70904206	4	3	LOCKWASHER, 3/8"
11	74385933	1	-	PLATE, filter adapting
	70919106	4	-	CAPSCREW, socket-hd. 1/4"NF x 3/4"
12	74255171	1	1	VALVE, water shut-off (1/2" tube, 3/8"NPT male)
13	74386199	1	1	HOSE ASSEMBLY, water line to filter
	70920690	1	1	ELBOW, flare type, 45°, 1/2" tube, 3/8"NPT male
14	74385982	1	-	HOSE ASSEMBLY, filter to water pump
	70917750	1	-	ELBOW, 45°, flare type, 90°, 3/8" tube, 3/8" NPT male
	74386200	-	1	HOSE ASSEMBLY, filter to water pump
	70919136	-	1	ELBOW, 37°, flare type, 90°, 3/8" tube, 3/8"NPT male

(Continued)



RADIATOR AND MOUNTING (All Models except HD16GC)

COOLANT FILTER (Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
15	------	1	-	VALVE, water shut-off (3/8" tube, 1/4"NPT male)(Order one each VALVE 74255170, HOSE ASSY. 74386200, BUSHING 70901835 and ELBOW 70919136)
	70901839	1	-	BUSHING, pipe reducing, 1/2"NPT to 1/4"NPT
	74255170	-	1	VALVE, water shut-off (3/8" tube, 3/8"NPT male)
	70901835	-	1	BUSHING, pipe reducing, 1/2"NPT to 3/8"NPT
16	74254580	1	1	CLAMP, water inlet hose
17	74255010	1	1	CLAMP, water outlet hose
	70916268	1	1	CAPSCREW, 3/8"NC x 5/8"
	70904206	1	1	LOCKWASHER, 3/8"
	70910324	1	1	NUT, 3/8"NC
18	74385093	-	1	BRACKET, clamp supporting (Used prior to engine #16-4911)
	74387807	-	1	BRACKET, clamp supporting (Effective with engine #16-4911)

RADIATOR AND MOUNTING

USAGE: All models except HD16GC

* Tractors prior to serial No. 4001
** Tractors serial No. 4001 and up

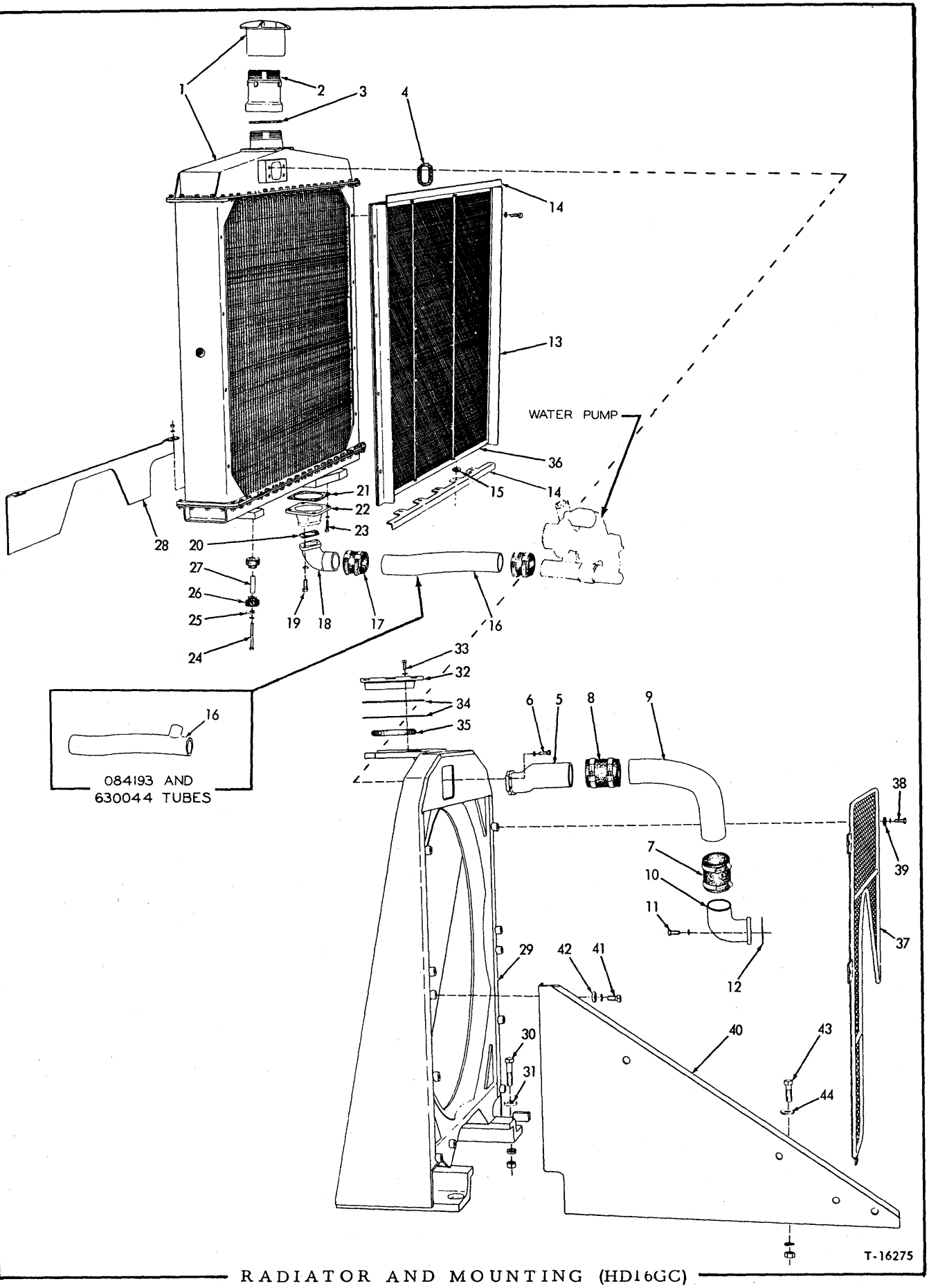
1	70083542	1	1	RADIATOR ASSEMBLY (Std. on units w/o torque converter	See Page 231 For Parts
	70632454	1	1	RADIATOR ASSEMBLY (Has armored tubes at rear of core) (Special equipment on units without torque converter)	
	70083435	1	1	RADIATOR ASSEMBLY (For units with torque converter)	
2	70081614	1	1	GASKET, radiator inlet	
3	70082608	1	1	INLET, radiator	
4	70035439	4	4	CAPSCREW, 3/8"NC x 1"	
	70904206	4	4	LOCKWASHER, 3/8"	
5	70067884	1	1	HOSE, inlet tube to radiator (2-3/4" I.D. x 3-1/2" long)	
	70921915	2	2	CLAMP, hose, 2-13/16" to 3-3/4" diam.	
5A	70067884	1	-	HOSE , engine to inlet tube (2-3/4" I.D. x 3-1/2" long)	
	70055604	-	1	HOSE, engine to inlet tube (2-3/4" I.D. x 4-1/2" long)	
	70921915	2	2	CLAMP, hose, 2-13/16" to 3-3/4" diam.	
6	70083540	1	1	TUBE, radiator inlet	
7	70083380	1	1	ELBOW, engine water outlet	
8	70043886	2	2	CAPSCREW, 7/16"NC x 1"	
	70904207	2	2	LOCKWASHER, 7/16"	
9	74310257	1	1	□GASKET, water outlet elbow	
10	70083539	2	2	BAFFLE, air, upper and lower	
11	70092665	8	8	WASHER, plain	

(Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
12	70083538	2	2	BAFFLE, air, side
	70911168	8	8	CAPSCREW, 5/16"NF x 7/8"
	70904205	8	8	LOCKWASHER, 5/16"
13	70092665	8	8	WASHER, plain
14	70083665	1	1	SCREEN, radiator(Special equipment. Used at front of radiator with suction fan and at rear of radiator with pusher fan. Cannot be used with armored-core radiator)
15	70092665	10	10	WASHER, plain
16	70084193	1	-	TUBE, engine water inlet (14-1/2" long)(Used prior to engine #16-2753)
	70093924	1	1	TUBE, engine water inlet (17-1/2"long)(Used on engines #16-2753 thru #16-4407)
	70630044	-	1	TUBE, engine water inlet (17-1/2" long)(Used on engines #16-4408 thru #16-4524 including #16-4533)
	70631009	-	1	TUBE, engine water inlet (13-1/4" long)(Used on engines #16-4525 thru #16-05388 excluding #16-4533)
	70633626	-	1	TUBE, engine water inlet (16-1/2" long)(Effective with engine #16-05389)
17	70073539	2	2	HOSE, radiator, lower (2-1/2"I. D. x 2-1/2")
	70921914	4	4	CLAMP, hose, 2-5/16" to 3-1/4" diam.
18	70081359	1	1	ELBOW, radiator outlet (Used prior to engine #16-05389)
	70633509	-	1	ELBOW, radiator outlet (Effective with engine #16-05389)
19	70041250	2	2	CAPSCREW, 7/16"NC x 1-1/4"
	70904207	2	2	LOCKWASHER, 7/16"
20	70052021	1	1	GASKET, radiator outlet elbow
21	70061671	12	12	SNUBBER, vibration, radiator mounting
22	70082014	6	6	TUBE, spacing, vibration snubber
23	70061656	6	6	WASHER, radiator mounting
24	70082013	6	6	CAPSCREW, radiator mounting
	70904206	6	6	LOCKWASHER, 3/8"
25	70090747	1	1	SUPPORT, radiator
26	70012526	4	4	CAPSCREW, 3/4"NF x 3-1/4"
	70904369	4	4	LOCKWASHER, 3/4"
	70911045	4	4	NUT, 3/4"NF
27	70061689	4	4	WASHER, radiator support capscrew

(Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
28	70093583	2	2	ROD, bracing, radiator support (Used prior to tractor #5393)
	70630363	-	1	BRACE, radiator support, left side } Effective with tractor #5393
	70630364	-	1	BRACE, radiator support, right side } Effective with tractor #5393
	70615887	1	1	ROD, bracing, radiator support, right side (Used only with front-mounted Cable Control Unit)
	70911046	4	4	NUT, 7/8"NF
29	70070285	2	2	CAPSCREW, 3/4"NF x 3"
	70904369	2	2	LOCKWASHER, 3/4"
	70911045	2	2	NUT, 3/4"NF
30	70060689	-	2	BOSS, spacing, radiator brace (Effective with tractor #5393)
31	70095575	1	1	RING, cushion, radiator neck
32	70076684	1	1	SHIM, radiator neck supporting ring (1/16" thick. Use as required)
	70076685	2	2	SHIM, radiator neck supporting ring (1/32" thick. Use as required)
33	70099137	1	1	RING, supporting, radiator neck
34	70036034	6	6	CAPSCREW, 3/8"NF x 1"
	70904206	6	6	LOCKWASHER, 3/8"
35	70083490	1	1	GUARD, fan
36	70036034	4	4	CAPSCREW, 3/8"NF x 1"
	70904206	4	4	LOCKWASHER, 3/8"
37	70044973	4	4	WASHER, plain



RADIATOR AND MOUNTING (HD16GC)

RADIATOR AND MOUNTING

USAGE: Model HD16GC only

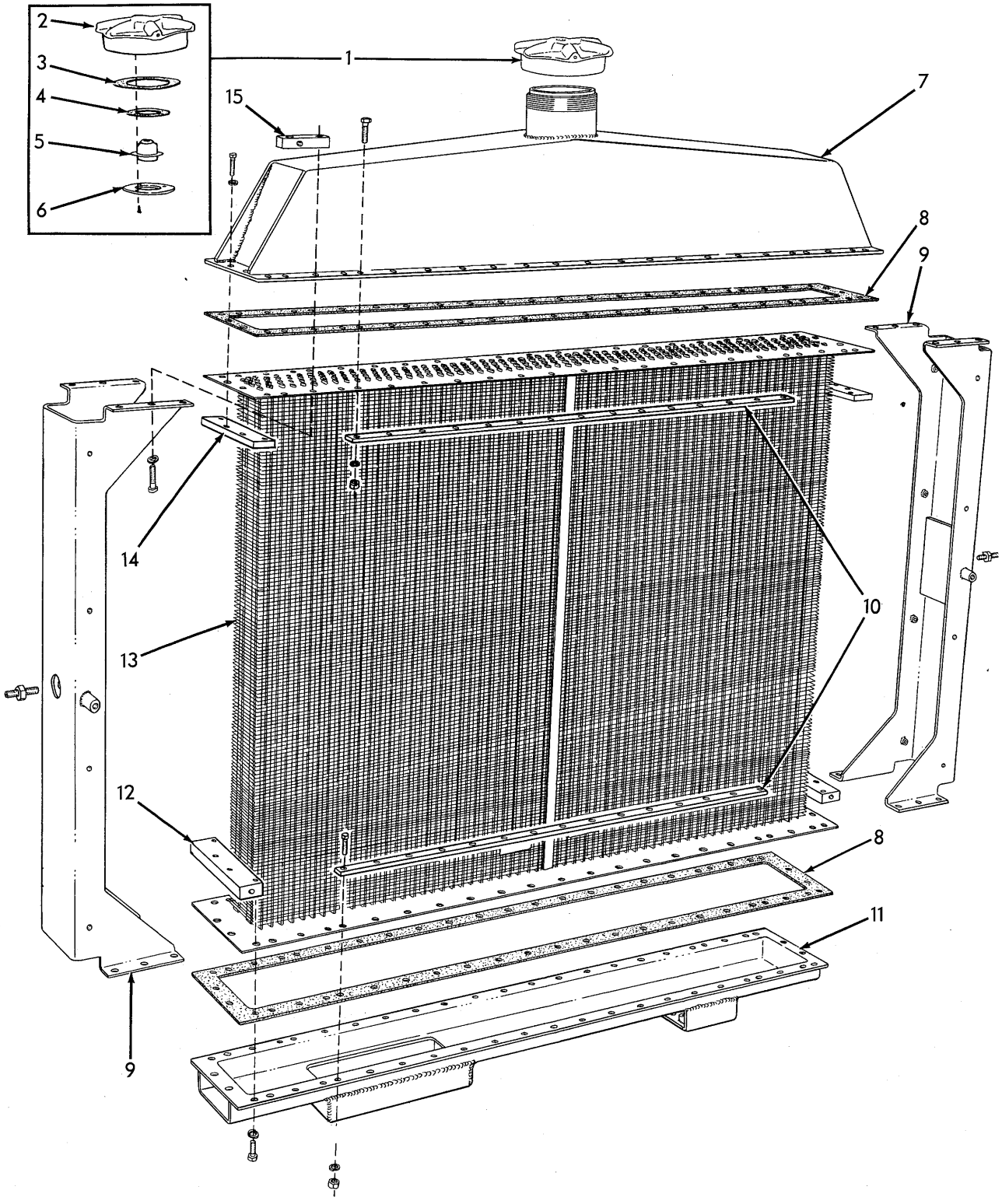
* Tractors prior to serial No. 4001
** Tractors serial No. 4001 and up

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70095219	1	1	RADIATOR ASSEMBLY (See page 231 for parts)
2	70089483	1	1	ADAPTER, filler cap
3	70089492	1	1	GASKET, filler cap adapter
4	70081614	1	1	GASKET, radiator inlet
5	70082608	1	1	INLET, radiator
6	70035439	4	4	CAPSCREW, 3/8"NC x 1"
	70904206	4	4	LOCKWASHER, 3/8"
7	70067884	1	-	HOSE, engine to inlet tube (2-3/4" I. D. x 3-1/2")
	70055604	-	1	HOSE, engine to inlet tube (2-3/4" I. D. x 4-1/2")
	70921915	2	2	CLAMP, hose, 2-13/16" to 3-3/4" diam.
8	70067884	1	1	HOSE, inlet tube to radiator (2-3/4" I. D. x 3-1/2")
	70921915	2	2	CLAMP, hose, 2-13/16" to 3-3/4" diam.
9	70090503	1	1	TUBE, radiator inlet
10	70081337	1	1	ELBOW, engine water outlet
11	70043886	2	2	CAPSCREW, 7/16"NC x 1"
	70904207	2	2	LOCKWASHER, 7/16"
12	74310257	1	1	□ GASKET, water outlet elbow
13	70087869	2	2	BAFFLE, air, side
	70911168	8	8	CAPSCREW, 5/16"NF x 7/8"
	70904205	8	8	LOCKWASHER, 5/16"
14	70087870	2	2	BAFFLE, air, upper and lower
15	70092665	10	10	WASHER, plain
16	70084193	1	-	TUBE, engine water inlet (14-1/2" long)(Used prior to engine #16-2753)
	70093924	1	1	TUBE, engine water inlet (17-1/2" long)(Used on engines #16-2753 thru #16-4407)
	70630044	-	1	TUBE, engine water inlet (17-1/2" long)(Used on engines #16-4408 thru #16-4524 including #16-4533)
	70631009	-	1	TUBE, engine water inlet (13-1/4" long)(Effective with engine #16-4525 excluding #16-4533)
17	70073539	2	2	HOSE, radiator, lower (2-1/2"I. D. x 2-1/2")
	70921914	4	4	CLAMP, hose, 2-5/16" to 3-1/4" diam.

(Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
18	70081359	1	1	ELBOW, radiator outlet
19	70041250	2	2	CAPSCREW, 7/16"NC x 1-1/4"
	70904207	2	2	LOCKWASHER, 7/16"
20	70052021	1	1	GASKET, radiator outlet elbow
21	70081627	1	1	GASKET, outlet elbow adapter
22	70087728	1	1	ADAPTER, radiator outlet elbow
23	70013058	4	4	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	4	4	LOCKWASHER, 3/8"
24	70056320	6	6	CAPSCREW, radiator mounting
	70904206	6	6	LOCKWASHER, 3/8"
25	70061656	6	6	WASHER, radiator mounting
26	70061671	12	12	SNUBBER, vibration, radiator mounting
27	70061655	6	6	TUBE, spacing, vibration snubber
28	70089914	1	1	BAFFLE, air
	70904205	2	2	LOCKWASHER, 5/16"
	70911025	2	2	NUT, 5/16"NC
29	70087774	1	1	SUPPORT, radiator
30	70070285	4	4	CAPSCREW, 3/4"NF x 3"
	70904369	4	4	LOCKWASHER, 3/4"
	70911045	4	4	NUT, 3/4"NF
31	70061689	4	4	WASHER, radiator support capscrew
32	70099137	1	1	RING, radiator neck supporting
33	70036034	6	6	CAPSCREW, 3/8"NF x 1"
	70904206	6	6	LOCKWASHER, 3/8"
34	70076684	1	1	SHIM, radiator neck supporting ring (1/16" thick. Use as required)
	70076685	2	2	SHIM, radiator neck supporting ring (1/32" thick. Use as required)
35	70095575	1	1	RING, cushion, radiator neck
36	70087788	1	1	SCREEN, radiator
37	70087719	1	1	GUARD, fan
38	70036034	5	5	CAPSCREW, 3/8"NF x 1"
	70904206	5	5	LOCKWASHER, 3/8"
39	70044973	5	5	WASHER, plain
40	70087805	1	1	FENDER, radiator support bracing, left
	70087806	1	1	FENDER, radiator support bracing, right
41	70614478	6	6	CAPSCREW, 1/2"NF x 1-3/8"
	70904208	6	6	LOCKWASHER, 1/2"
42	70064531	6	6	WASHER, plain
43	70023618	5	5	CAPSCREW, 5/8"NF x 2-1/2"
	70023465	1	1	CAPSCREW, 5/8"NF x 1-3/4" (left fender only)
44	70064810	6	6	WASHER, plain
	70904209	6	6	LOCKWASHER, 5/8"
	70911044	5	5	NUT, 5/8"NF

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RADIATOR PARTS

RADIATOR PARTS

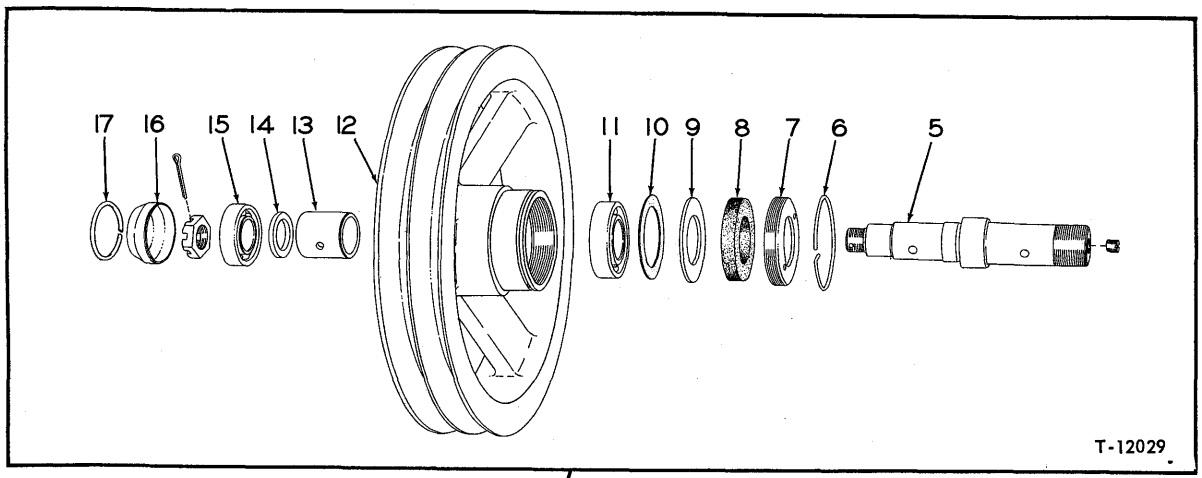
* 70083542 and 70632454 RADIATOR ASSY. (HD16A., D.)(See page 223)
** 70083435 RADIATOR ASSY. (HD16AC., D., FC.)(See page 227)
*** 70095219 RADIATOR ASSY. (HD16GC.)(See page 227)

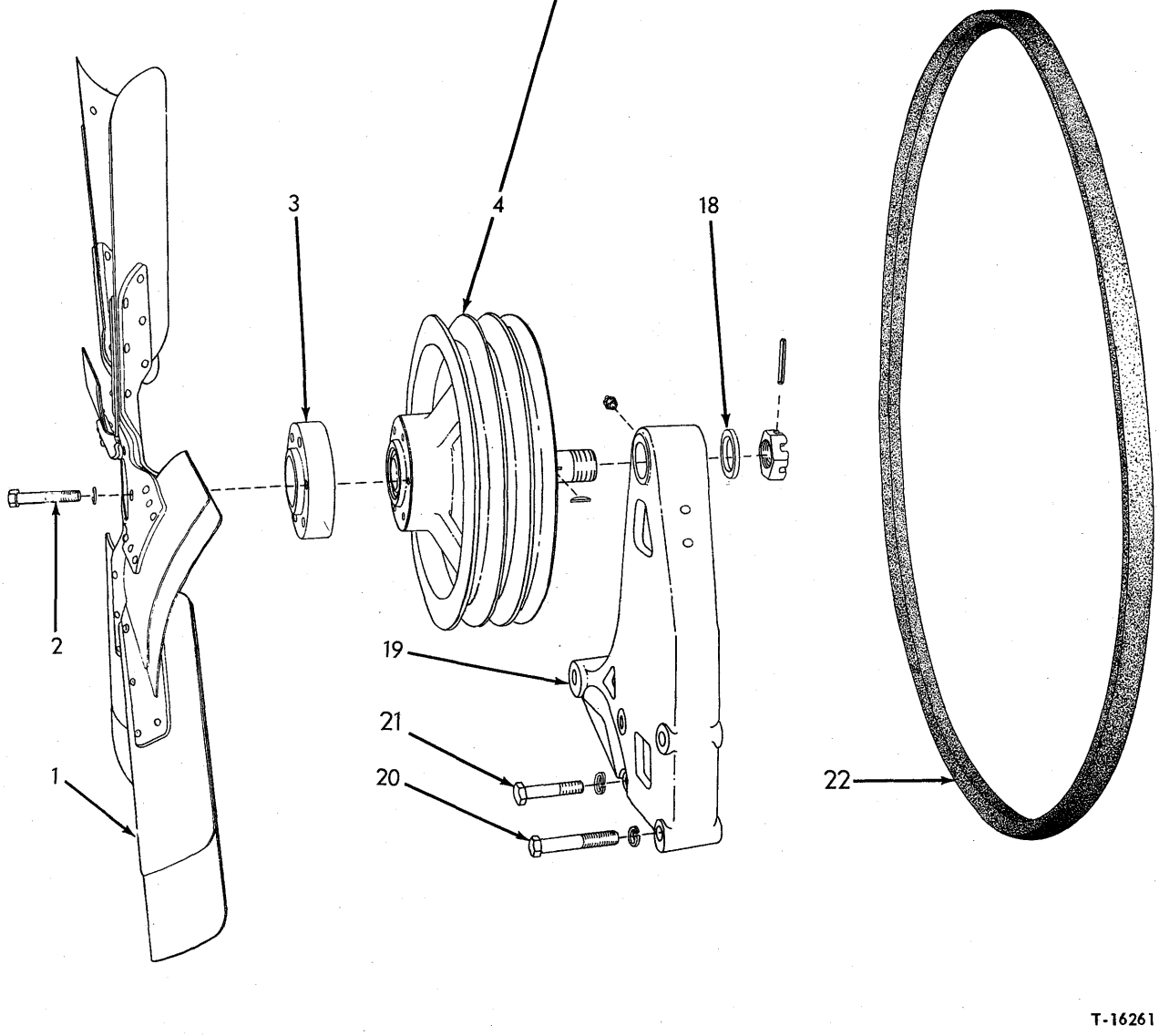
ITEM	PART NO.	QUANTITY *	**	***	DESCRIPTION
1	70058730	1	1	1	CAP ASSEMBLY, water cooling radiator (Consists of items 2 thru 6)
2	------	1	1	1	CAP, radiator (Furnished only as part of item 1)
3	70059242	1	1	1	GASKET, radiator cap
4	70059244	1	1	1	GASKET, pressure valve
5	70059245	1	1	1	VALVE, pressure
6	70059243	1	1	1	RING, pressure valve retaining
	70914782	3	3	3	SCREW, machine, rd-hd., brass, #5-40 x 3/8"
7	70085065	1	1	-	TANK, top
	70089720	-	-	1	TANK, top
	70903773	38	38	48	CAPSCREW, 5/16"NC x 1-1/4"
	70903772	8	8	-	CAPSCREW, 5/16"NC x 1"
	70904205	46	46	48	LOCKWASHER, 5/16"
	70911025	38	38	38	NUT, 5/16"NC
8	70079763	2	2	-	GASKET, core
	70091869	-	-	1	GASKET SET, core (Consists of 5 cork strips. Enough for both ends of core)
9	70085616	2	-	-	SIDE
	70085636	-	2	-	SIDE
	70089722	-	-	2	SIDE
	70915888	2	2	2	SETSCREW, slotted-hd., cup-pt., 3/8"NC x 1-3/4"
	70903584	2	2	2	NUT, jam, 3/8"NC
10	70074679	4	4	4	CLAMP, core flange, center
11	70085015	1	1	-	TANK, bottom
	70089721	-	-	1	TANK, bottom
	70903773	42	42	48	CAPSCREW, 5/16"NC x 1-1/4"
	70904205	42	42	48	LOCKWASHER, 5/16"
	70911025	42	42	38	NUT, 5/16"NC
12	70079678	2	2	-	CLAMP, core bottom flange, end
	70903772	8	8	-	CAPSCREW, 5/16"NC x 1"
	70904205	8	8	-	LOCKWASHER, 5/16"

(Continued)

ITEM	PART NO.	QUANTITY *	**	***	DESCRIPTION
13	70085086	1	-	-	CORE (Standard)
	70632478	1	-	-	CORE (Special. Has armored tubes at rear)
	70085050	-	1	-	CORE (Standard)
	70094488	-	1	-	CORE (Heavy-duty for extra cooling. Includes set of gaskets)
	70095641	-	-	1	CORE
14	70079489	2	2	-	CLAMP, core top flange, end
15	70079762	2	2	-	BLOCK, tapped
	70903773	4	4	-	CAPSCREW, 5/16"NC x 1-1/4"
	70904205	4	4	-	LOCKWASHER, 5/16"

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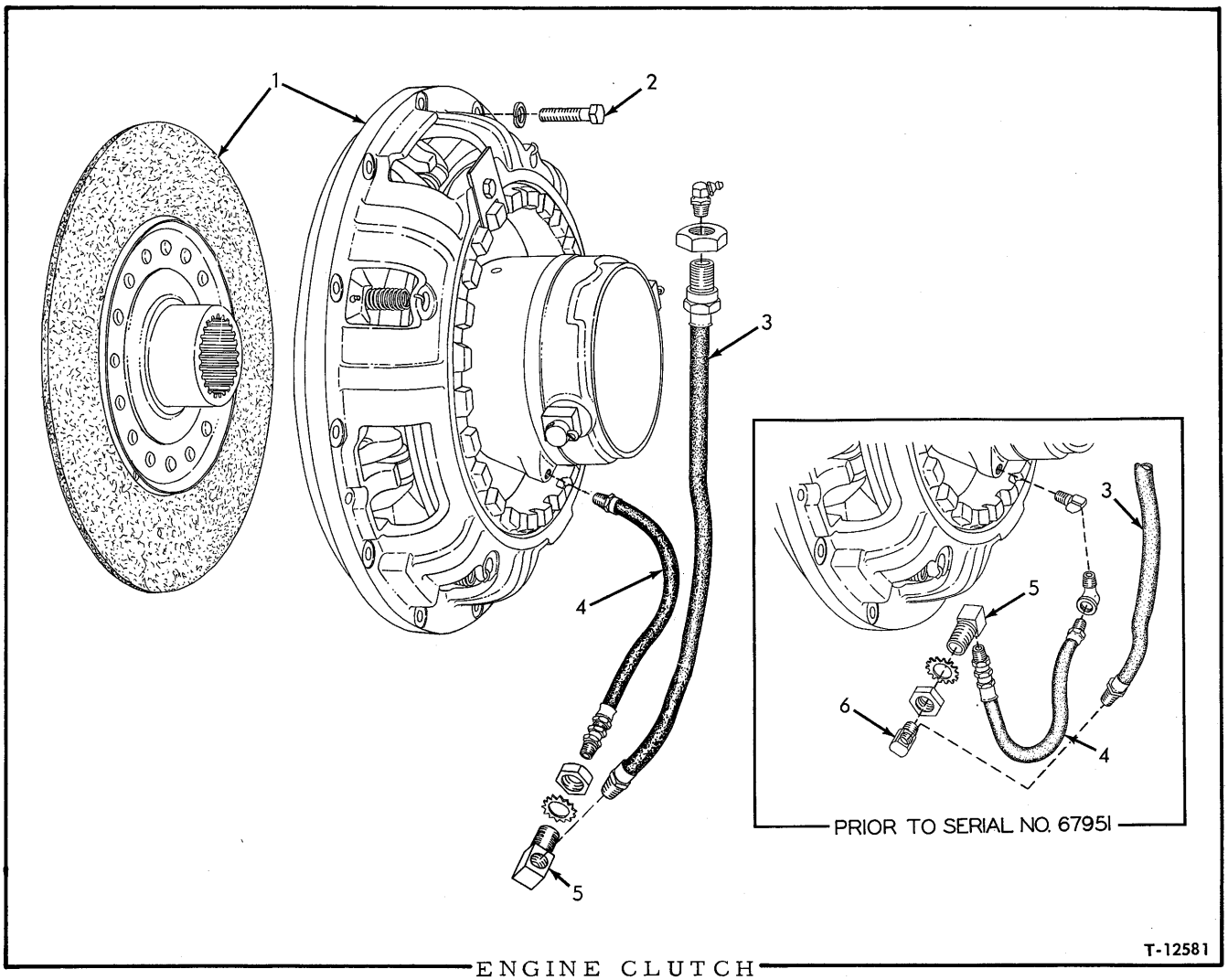
*All Models except HD16GC
**Model HD16GC

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
				NOTE: See RADIATOR AND MOUNTING for listing of Fan Guard
1	70083658	1	-	FAN (Suction type. Standard equipment on Models HD16A and D. Optional on other models)
	70083524	1	1	FAN (Push type. 3-1/4" deep. Standard equipment on Models HD16AC, DC, GC)
	70084222	1	-	FAN (Push type. 2-1/2" deep. Optional on Models HD16A and D)
2	70058793	6	-	CAPSCREW, 3/8"NC x 2-1/4" (For Fan 70083658)
	70013058	6	6	CAPSCREW, 3/8"NC x 1-1/4" (For Fan 70083524)
	70053616	6	-	CAPSCREW, 3/8"NC x 1-3/4" (For Fan 70084222)
	70904206	1	-	LOCKWASHER, 3/8"
3	70083676	1	-	SPACER, fan (1" thick)(For use with suction fan only)
	70083708	1	-	SPACER, fan (9/16" thick)(For use with pusher fan 70084222 only)
4	70088564	1	1	PULLEY ASSY., fan (Consists of items 5 thru 17)
	70913798	1	1	NUT, jam, slotted, 1-1/4"NF
	70915692	1	1	PIN, roll, 1/4" x 1-7/8"
	70905122	1	1	KEY, #7 woodruff, 1/8" x 3/4"
5	70082829	1	1	SPINDLE (Original equipment)
	70910230	1	1	PLUG, pipe, slotted-hd., 1/8"NPT
	70915943	1	1	NUT, jam, slotted, 3/4"NF
	70900808	1	1	PIN, cotter, 1/8" x 1-1/2"
	70662038	1	1	SPINDLE, (Service replacement)
	70919108	1	1	NUT, self-locking, 7/8"NF
6	74371707	1	1	RING, snap, fan pulley
7	74640973	1	1	RETAINER, spindle sealing washer
8	70052106	1	1	WASHER, spindle sealing
9	74640975	1	1	WASHER, retaining, rear bearing
10	74640976	1	1	GASKET, bearing retaining washer (Not used in service replacement unit)
11	74253863	1	1	BEARING, ball, rear (unshielded)(Original equipment)
	70075203	1	1	BEARING, ball, rear (shielded)(Service replacement)
12	70088549	1	1	PULLEY
13	70051715	1	1	SLEEVE, spacing, spindle bearings
14	74640978	1	1	WASHER, spacing, front bearing
15	74253862	1	1	BEARING, ball, front
16	70088561	1	1	CAP, pulley
17	74042081	1	1	RING, snap, cap retaining (Effective with tractor #1032)
18	70067962	1	1	WASHER, plain

(Continued)

FAN

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
19	70633625	1	-	BRACKET, fan mounting (For tractors prior to #5719 also order Capscrew 70035712)
	70087707	-	1	BRACKET, fan mounting
	70915274	1	1	FITTING, lubricating, 45°, 1/8"NPT
20	70041917	4	4	CAPSCREW, 1/2"NC x 3-1/4" (1 Less used on Model HD16A, AC, D, DC, FC, effective with tractor #5719)
21	70035712	1	-	CAPSCREW, 1/2"NC x 2-1/4" (Effective with tractor #5719(
	70904208	4	4	LOCKWASHER, 1/2"
22	70086979	2	-	BELT, fan (7/8" wide, 85" long)(Furnished in matched pairs)
	70087347	-	2	BELT, fan (7/8" wide, 88" long)(Furnished in matched pairs)



ENGINE CLUTCH

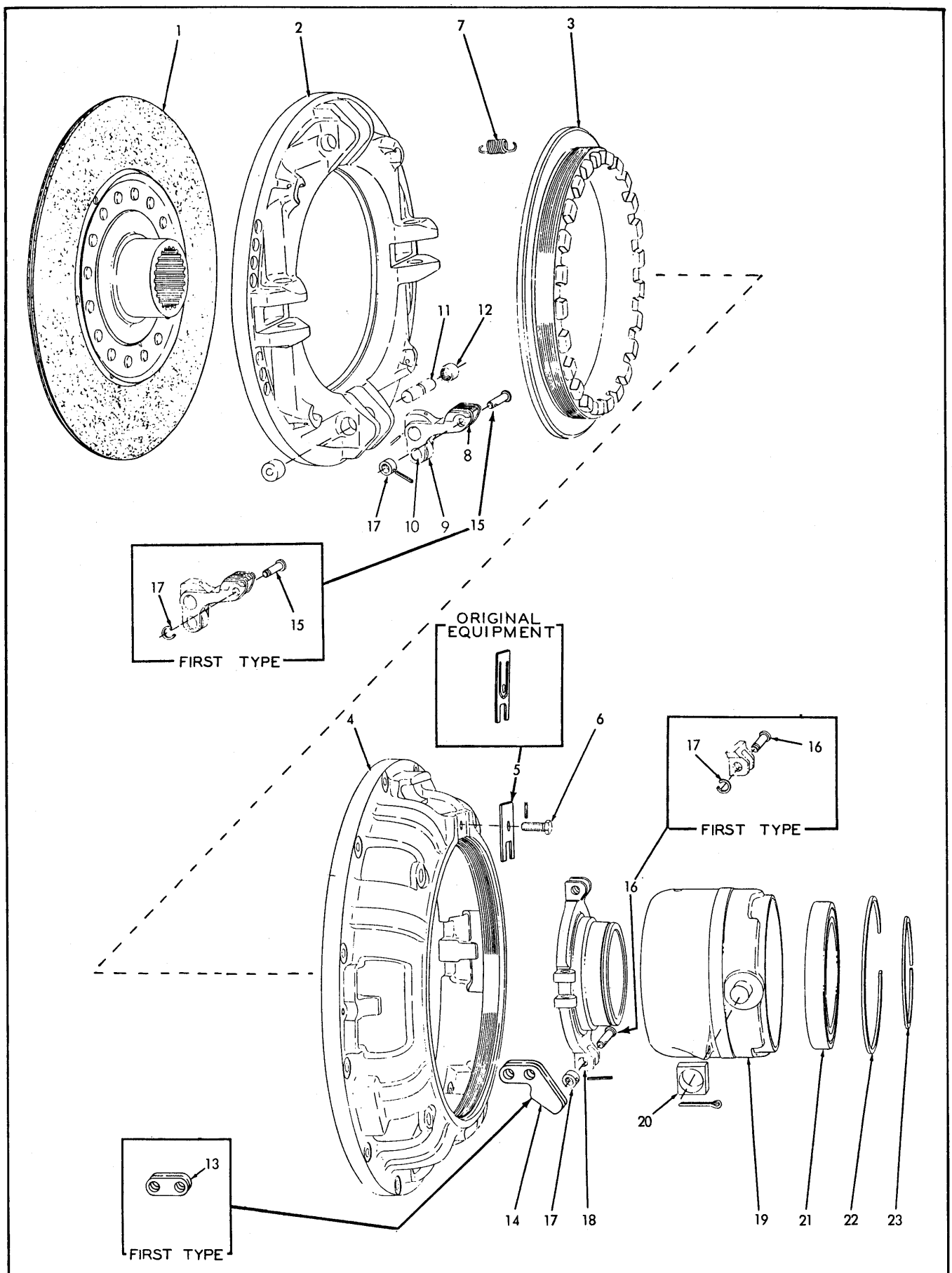
USAGE: Tractors with torque converter

ITEM	PART NO.	QTY.	DESCRIPTION
1	70091463	1	CLUTCH ASSEMBLY, engine (See page 239 for parts)
2	70070960	12	CAPSCREW, 3/8"NC x 1-1/2"
	70904206	12	LOCKWASHER, 3/8"
3	70074065	1	HOSE, lubricating, upper (25" long)(Not used on Model HD16GC after tractor #5154)
	70076322	1	HOSE, lubricating, upper (31" long)(Effective with tractor #5154 on Model HD16GC only)
	70911036	1	NUT, jam, 5/8"NC
	70915275	1	FITTING, lubricating, 65°, 1/8"NPT (Not for models HD16FC,GC)
	70914465	1	FITTING, lubricating, straight, 1/8"NPT (Models HD16FC,GC only)

(Continued)

ENGINE CLUTCH (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
4	70621813	1	HOSE, lubricating, shifting sleeve bearing
	70915399	1	ELBOW, street, brass, 90°, 3/8"NPT } Used prior to torque converter #67951
	70914464	1	ELBOW, lubricating fitting, 45°, 1/8"NPT } Used prior to torque converter #67951
5	70090652	1	FITTING, elbow, lubricating hose
	70910543	1	LOCKWASHER, external teeth, 5/8"
	70911049	1	NUT, jam, 5/8"NF
6	70605794	1	ELBOW, lubricating hose (90°, 1/8"NPT male and female ends) (Used prior to torque converter #67951)



ENGINE CLUTCH PARTS (Tractors with torque converter)

ENGINE CLUTCH PARTS

USAGE: Tractors with torque converter. See page 236

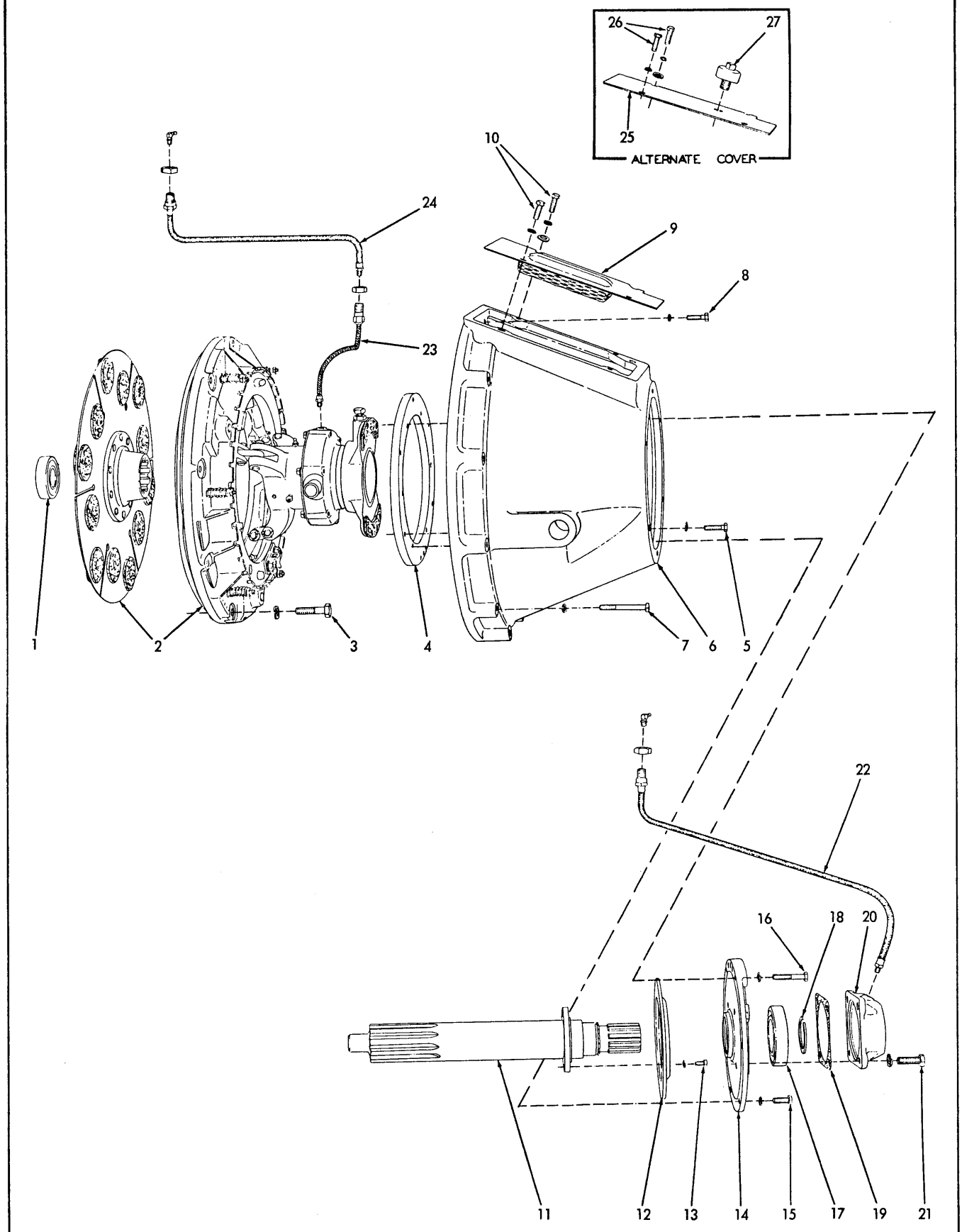
ITEM	PART NO.	QTY.	DESCRIPTION
1	70058867	1	PLATE ASSEMBLY, driven (Includes Raybestor facings which are not serviced separately)(Used prior to tractor #4518. Will fit later units also)
	70095569	1	PLATE ASSEMBLY, driven (Includes Feramic facings which are not serviced separately)(Effective with tractor #4518)
	70098323	1	PLATE ASSEMBLY, driven (Includes Ceramic facings)(Special. For heavy-duty application only)
2	70082464	1	PLATE, pressure
3	70620486	1	RING, adjusting (If for tractors prior to #4809 also order 1 LOCK 70620485)
4	70620487	1	PLATE, back
5	70082139	1	LOCK, adjusting ring (Used prior to tractor #4809)
	70620485	1	LOCK, adjusting ring (Effective with tractor #4809)
6	70082140	1	CAPSCREW, drilled end, 3/8"NC x 1"
	70917735	1	PIN, roll, 3/32" x 9/16"
7	70082148	4	SPRING, pressure plate retracting
8	------	4	LEVER ASSEMBLY, pressure plate (Each includes 1 pin and 1 bearing which are not serviced separately)(Used prior to torque converter serial #63530; approx. tractor #768)(Order item 24)
	70088499	4	LEVER ASSEMBLY, pressure plate (Includes items 9 and 10) (Effective with torque converter serial #63530; approx. tractor #768)(Also see item 24)
9	70629038	4	BEARING, needle, pressure plate lever
10	70629037	4	PIN, pressure plate lever bearing
11	70082502	4	PIN, pressure plate lever
	70916202	4	PIN, roll, 1/8" x 7/8" (Also see item 24)
12	70082504	8	BEARING, needle, pressure plate lever pin (Also see item 24)
13	70634958	4	LINK, pressure plate lever (Used prior to torque converter serial #63530; approx. tractor #768)(Recommend order item 24)
14	70634959	4	LINK, pressure plate lever (Effective with torque converter serial #63530; approx. tractor#768)(Also see item 24)
15	------	4	PIN, pressure plate lever (Used prior to tractor #2803)(Order 1 PIN 70094481, 1 COLLAR 70094483 and 1 PIN 70919180)
	70094481	4	PIN, pressure plate lever (Effective with tractor #2803)(Also see item 24)

(Continued)

ENGINE CLUTCH PARTS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
16	------	4	PIN, shifting sleeve collar (Used prior to tractor #2803)(Order 1 PIN 70094482, 1 COLLAR 70094483 and 1 PIN 70919180)
	70094482	4	PIN, shifting sleeve collar (Effective with tractor #2803)(Also see item 24)
17	70058691	8	RING, pin retaining (Used prior to tractor #2803)
	70094483	8	COLLAR, pin retaining, (Effective with tractor #2803) (Also see item 24)
	70919180	8	PIN, roll, 1/8" x 5/8"
18	70082391	1	COLLAR, shifting sleeve
19	70091490	1	SLEEVE, shifting
	70900938	2	PIN, cotter, 3/16" x 1"
20	70054459	2	BLOCK, shifting sleeve
21	70054363	1	BEARING, ball, shifting sleeve
22	70054362	1	RING, retaining, shifting sleeve bearing (large)
23	70054364	1	RING, retaining, shifting sleeve bearing (small)
24	70088500	1	LEVER KIT, pressure plate (Complete set of parts for converting clutch assemblies used with converters prior to serial No. 63530; items 8, 12, 14 thru 17 and PIN 70916202 (item 11)(Not illustrated)

MEMO



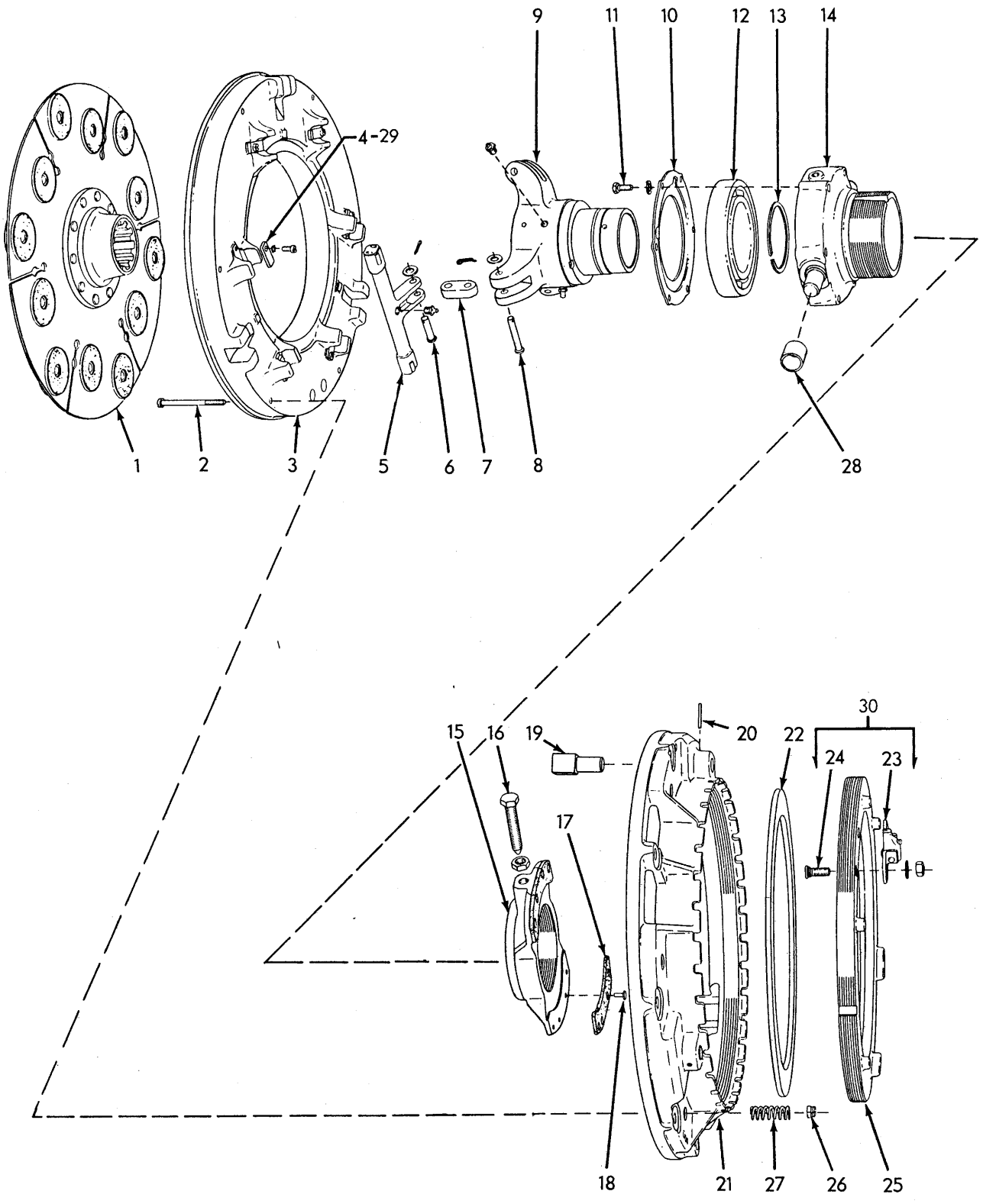
ENGINE CLUTCH AND HOUSING (Tractors without torque converter) T-15203

ENGINE CLUTCH AND HOUSING

USAGE: Tractors without torque converter

ITEM	PART NO.	QTY.	DESCRIPTION
1	70099133	1	BEARING, ball, clutch shaft, front
2	70083999	1	CLUTCH ASSEMBLY, engine (See page 245 for parts)
3	70921556	9	CAPSCREW, 1/2"NC x 2"
	70904208	9	LOCKWASHER, 1/2"
4	70083526	1	RING, flange, bearing retainer
5	70013058	6	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	6	LOCKWASHER, 3/8"
6	70083956	1	HOUSING, engine clutch
7	70056320	10	CAPSCREW, 3/8"NC x 3"
8	70013058	2	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	12	LOCKWASHER, 3/8"
9	70089192	1	PLATE, inspection (Standard equipment. Also see item 25)
10	70035439	4	CAPSCREW, 3/8"NC x 1"
	70904206	4	LOCKWASHER, 3/8"
	70044973	2	WASHER, plain
11	70082770	1	SHAFT, engine clutch
12	70050579	1	DISC, clutch brake
13	70083270	6	CAPSCREW, 5/16"NF x 3/4"
	70904205	6	LOCKWASHER, 5/16"
14	70083215	1	RETAINER, clutch shaft rear bearing (Used prior to tractor #5154)
	70623513	1	RETAINER, clutch shaft rear bearing (Effective with tractor #5154)
15	70035439	4	CAPSCREW, 3/8"NC x 1"
16	70013059	2	CAPSCREW, 3/8"NC x 2" (Also attaches steering control bracket)(Used prior to tractor #5154)
	70070960	2	CAPSCREW, 3/8"NC x 1-1/2" (Also attaches steering control bracket)(Effective with tractor #5154)
	70904206	6	LOCKWASHER, 3/8"
17	70067566	1	BEARING, ball, clutch shaft, rear
18	70050292	1	RING, snap, clutch shaft
19	70083528	1	GASKET, rear bearing cap
20	70083519	1	CAP, clutch shaft rear bearing
21	70035733	4	CAPSCREW, 1/2"NC x 1-3/8"
	70904208	4	LOCKWASHER, 1/2"
22	70074065	1	HOSE, lubricating, clutch shaft rear bearing (25" long)
	70915275	1	FITTING, lubricating, 65°, 1/8"NPT
	70911036	1	NUT, jam, 5/8"NC
23	70053899	1	HOSE, lubricating, shifting sleeve bearing, lower (10-1/2" long)
	70911049	1	NUT, jam, 5/8"NF

(Continued)



T-12569

CLUTCH ASSEMBLY 083999

ITEM	PART NO.	QTY.	DESCRIPTION
24	70084065	1	HOSE, lubricating, shifting sleeve bearing, upper (18" long)
	70915275	1	FITTING, lubricating, 65°, 1/8"NPT
	70911036	1	NUT, jam, 5/8"NC
25	70084394	1	PLATE, inspection (Special. For use with item 27 under very dusty conditions. Under normal conditions use of item 9 is recommended)
26	70035439	4	CAPSCREW, 3/8"NC x 1"
	70904206	4	LOCKWASHER, 3/8"
	70044973	2	WASHER, plain
27	70050748	1	BREATHER, clutch housing (Special. Used with item 25 only)

CLUTCH ASSEMBLY 70083999

USAGE: See page 243

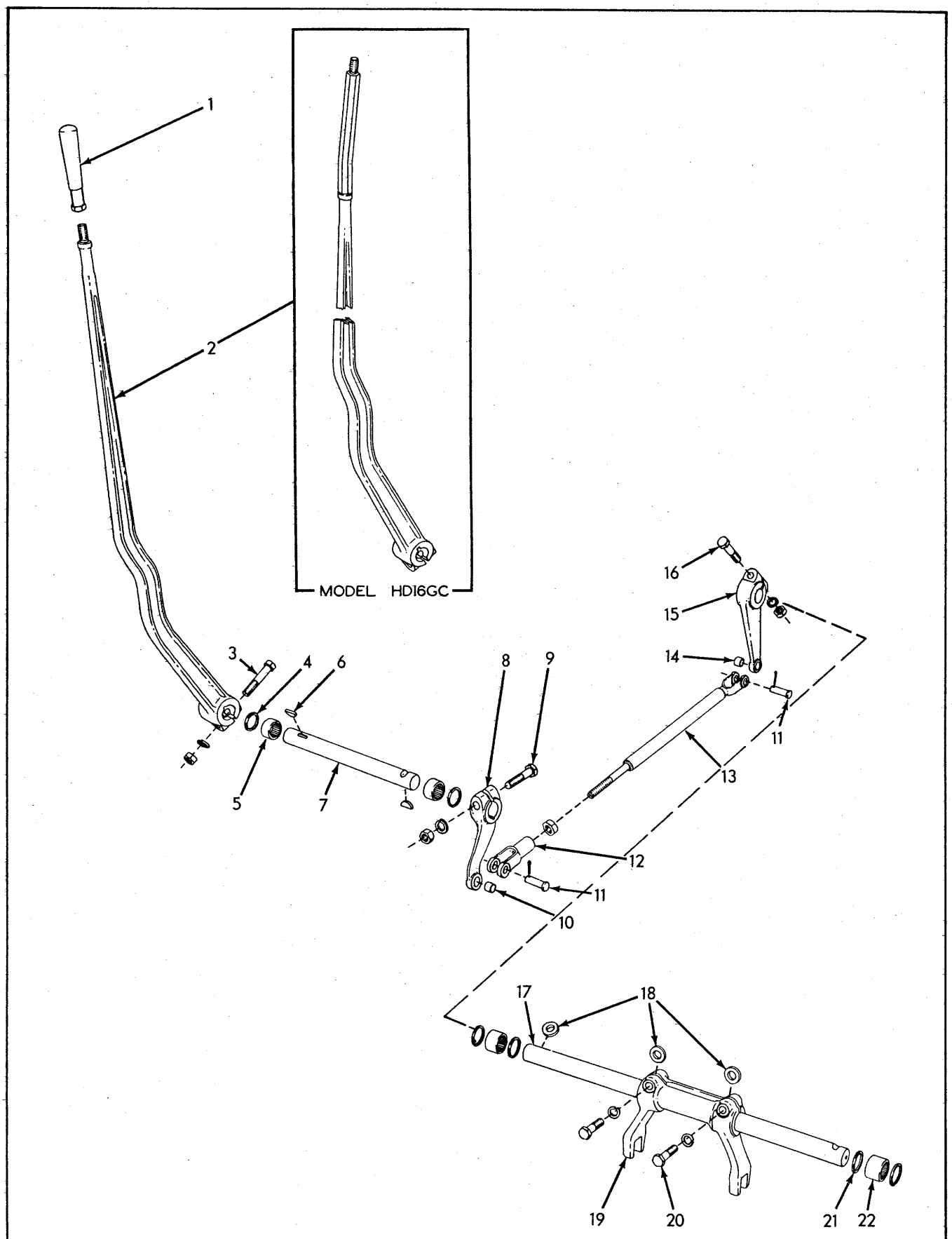
1	70082911	1	PLATE ASSEMBLY, drive (Has ceramic friction discs)
2	70074245	6	SCREW, retracting spring (fil-hd., 5/16"NF x 3-1/2")
3	70043470	1	PLATE ASSEMBLY, pressure (Includes item 4)
4	70223585	6	BLOCK, cam (Recommend replacement in sets)
	70901226	6	SCREW, machine, fil-hd., 1/4"NC x 1/2"
	70914593	6	LOCKWASHER, external teeth, 1/4"
5	70073906	3	CAMSHAFT (Recommend replacement in sets. Includes FITTING 914465)
	70914465	3	FITTING, lubricating, straight, 1/8"NPT
6	70040221	3	PIN, connecting link, short
	70911115	3	WASHER, plain, SAE std., 3/8"
	70913984	3	PIN, cotter, 1/8" x 5/8"
7	70073626	3	LINK, connecting
8	70040220	3	PIN, connecting link, long
	70911115	3	WASHER, plain, SAE std., 3/8"
	70913984	3	PIN, cotter, 1/8" x 5/8"
9	70083146	1	SLEEVE ASSEMBLY, shifting (Includes FITTING 70914465) Also includes 2 bushings which are not serviced separately)
	70914465	3	FITTING, lubricating, straight, 1/8"NPT
10	70040247	1	PLATE, retaining, shifting sleeve bearing
11	70045312	6	CAPSCREW, 5/16"NC x 3/4"
	70904205	6	LOCKWASHER, 5/16"
12	70042975	1	BEARING, ball, shifting sleeve
13	70041809	1	RING, retaining, shifting sleeve bearing
14	70083144	1	CARRIER ASSEMBLY (includes item 28)
15	70083135	1	PLATE ASSEMBLY, clutch brake (Includes item 17)
16	70083149	1	SCREW, locking, clutch brake plate
	70913830	1	NUT, jam, 1/2"NF

Also see item 29

(Continued)

CLUTCH ASSEMBLY 70083999 (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION	
17	70083134	1	FACING KIT, brake plate (Includes RIVETS indented below)	
18	70083136	8	RIVET, tubular, brass, fl-hd., 1/4" x 7/16"	
19	70040214	3	STUD, back plate	
20	70084265	3	PIN, straight	
21	70040213	1	PLATE ASSEMBLY, back (Includes items 19 and 20)	
22	70040218	1	PLATE, adjusting ring	
23	70044861	1	LOCK ASSEMBLY (Consists of 1 lock, 1 bracket, 1 spring and 1 pin. Serviced only as a unit)	Also see item 30
24	70044860	2	SCREW, fl-hd., 3/8"NF x 1"	
	70911115	2	WASHER, plain, SAE std., 3/8"	
	70911041	2	NUT, 3/8"NF	
25	70040216	1	RING, adjusting	
26	70073927	6	NUT, retracting spring screw (self-locking, 5/16"NF)	
27	70078667	6	SPRING, pressure plate retracting	
28	70058321	2	RACE, inner, operating yoke needle bearing	
29	70043397	1	BLOCK KIT, clutch camshaft (Full set of blocks and attaching parts listed under item 4)	
30	70044862	1	LOCK KIT, clutch adjustment (Consists of items 23 and 24)	



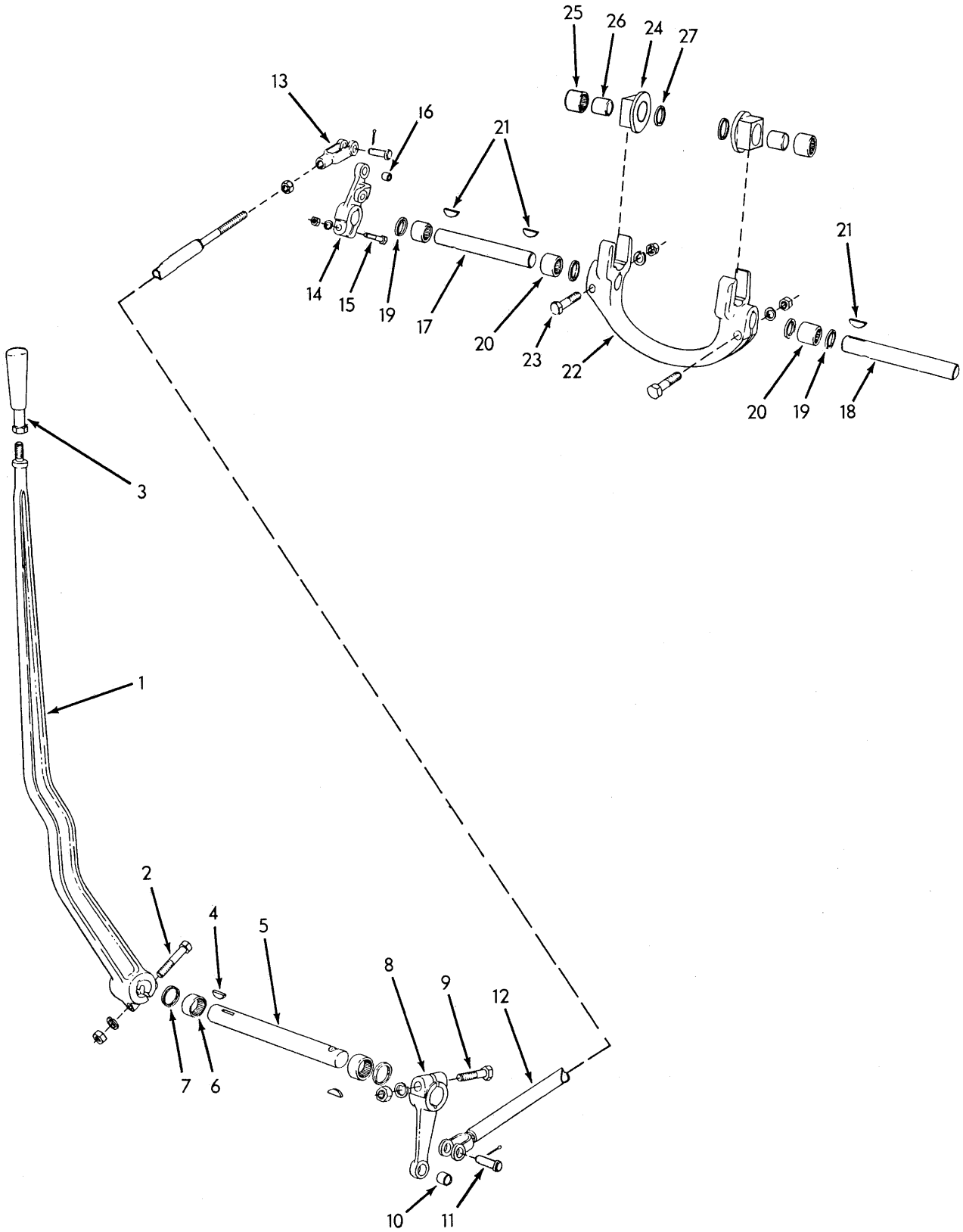
ENGINE CLUTCH CONTROL (Tractors with torque converter)

T-13102

ENGINE CLUTCH CONTROL

USAGE: Tractors with torque converter

ITEM	PART NO.	QTY.	DESCRIPTION
1	70078620	1	GRIP, operating lever
2	70059189	1	LEVER, operating (Models HD16AC, DC, FC)
	70092746	1	LEVER, operating (Model HD16GC)
3	70035892	1	CAPSCREW, 1/2"NF x 2-1/2"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
4	70053926	2	SEAL, dust, operating lever shaft bearing
5	70051513	2	BEARING, needle, operating lever shaft
6	70036997	2	KEY, #13 woodruff, hardened, 3/16" x 1"
7	70649412	1	SHAFT, operating lever
8	70075756	1	LEVER ASSEMBLY, operating lever shaft (Includes item 10)
9	70035068	1	CAPSCREW, 1/2"NF x 2-1/4"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
10	70049988	1	BUSHING, shaft lever
11	70049993	2	PIN, control rod yoke
	70900805	2	PIN, cotter, 1/8" x 3/4"
12	70068389	1	YOKE, control rod
13	70081423	1	ROD, control
	70911043	1	NUT, 1/2"NF
14	70049988	1	BUSHING, fork shaft lever
15	70075758	1	LEVER ASSEMBLY, shifting fork shaft (Includes item 14)
16	70035892	1	CAPSCREW, 1/2"NF x 2-1/2"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
17	70091562	1	SHAFT, shifting fork
18	70052747	3	KEY, yoke shaft lever
19	70054461	1	FORK, shifting
20	70921556	2	CAPSCREW, 1/2"NC x 2"
	70904208	2	LOCKWASHER, 1/2"
21	70053243	4	SEAL, dust, shifting fork shaft bearing
22	70604435	2	BEARING, needle, shifting fork shaft



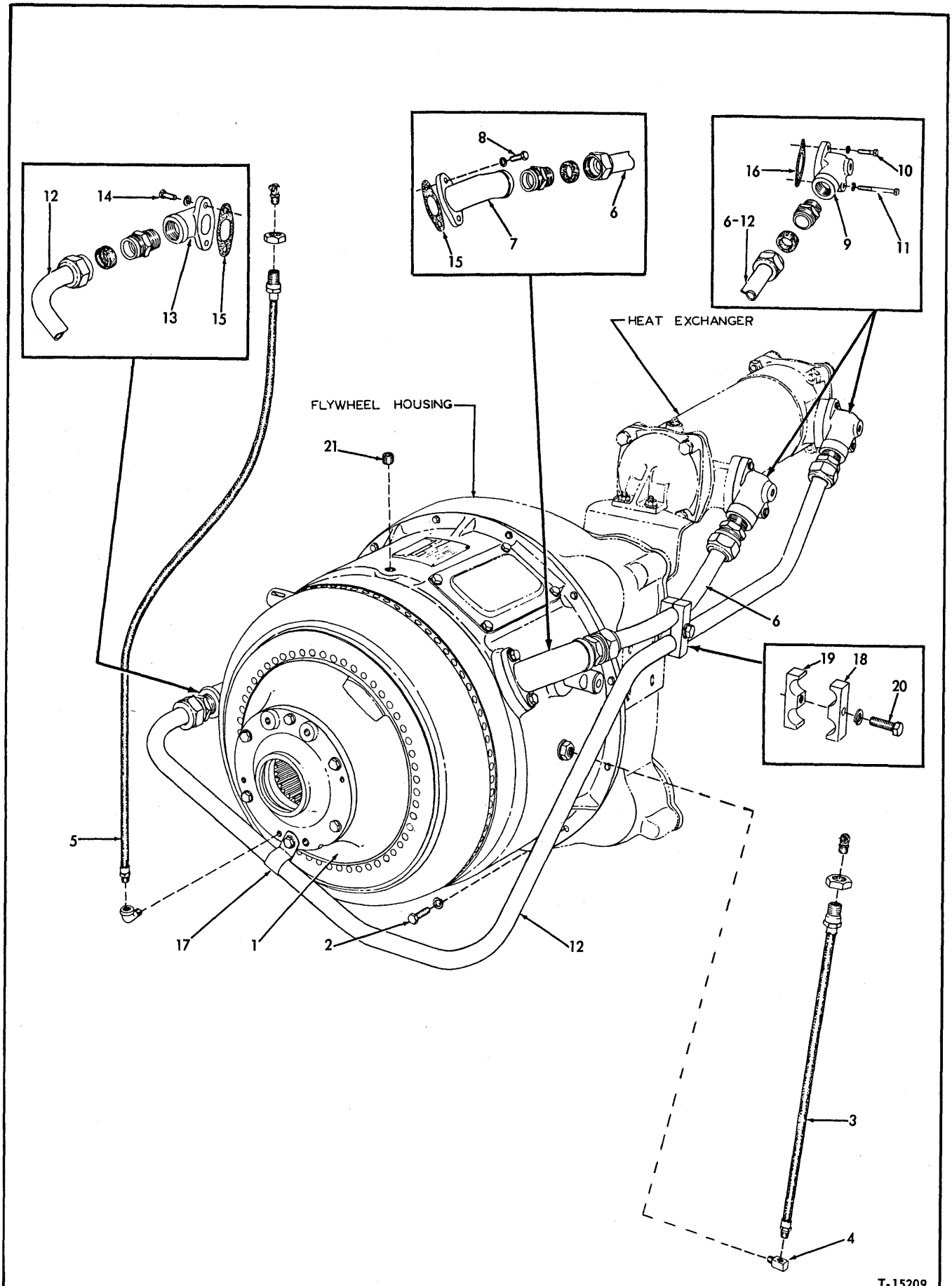
T-4056

ENGINE CLUTCH CONTROL (Tractors without torque converter)

ENGINE CLUTCH CONTROL

USAGE: For tractors without torque converter

ITEM	PART NO.	QTY.	DESCRIPTION
1	70059189	1	LEVER, operating
2	70035892	1	CAPSCREW, 1/2"NF x 2-1/2"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
3	70078620	1	GRIP, operating lever
4	70036997	2	KEY, #13 woodruff, hardened, 3/16" x 1"
5	70059195	1	SHAFT, operating lever
6	70051513	2	BEARING, needle, operating lever shaft
7	70053926	2	SEAL, dust, operating lever shaft bearing
8	70058313	1	LEVER ASSEMBLY, operating lever shaft (Includes item 10)
9	70035068	1	CAPSCREW, 1/2"NF x 2-1/4"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
10	70049988	1	BUSHING, shaft lever
11	70049993	2	PIN, control rod yoke
	70900805	2	PIN, cotter, 1/8" x 3/4"
12	70081423	1	ROD, control
	70911043	1	NUT, 1/2"NF
13	70068389	1	YOKE, control rod
14	70069693	1	LEVER ASSEMBLY, shifting yoke shaft (Includes item 16)
15	70046419	1	CAPSCREW, 3/8"NF x 2"
	70904206	1	LOCKWASHER, 3/8"
	70911041	1	NUT, 3/8"NF
16	70049988	1	BUSHING, yoke shaft lever
17	70059194	1	SHAFT, shifting yoke, left
18	70067515	1	SHAFT, shifting yoke, right
19	70053926	4	SEAL, dust, shifting yoke shaft bearing
20	70604925	3	BEARING, needle, shifting yoke shaft
21	70036997	3	KEY, #13 woodruff, hardened, 3/16" x 1"
22	70059191	1	YOKE, shifting
23	70035068	2	CAPSCREW, 1/2"NF x 2-1/4"
	70904208	2	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF
24	70059193	2	BLOCK, sliding
25	70063987	2	BEARING, needle, shifting yoke
26	------	2	RACE, inner, shifting yoke needle bearing (See CLUTCH ASSEMBLY 70083999)
27	70053926	2	SEAL, dust, shifting yoke bearing



TORQUE CONVERTER AND PIPING (First type)

TORQUE CONVERTER AND PIPING

USAGE: Model HD16AC, DC, FC, GC tractors prior to serial No. 4001

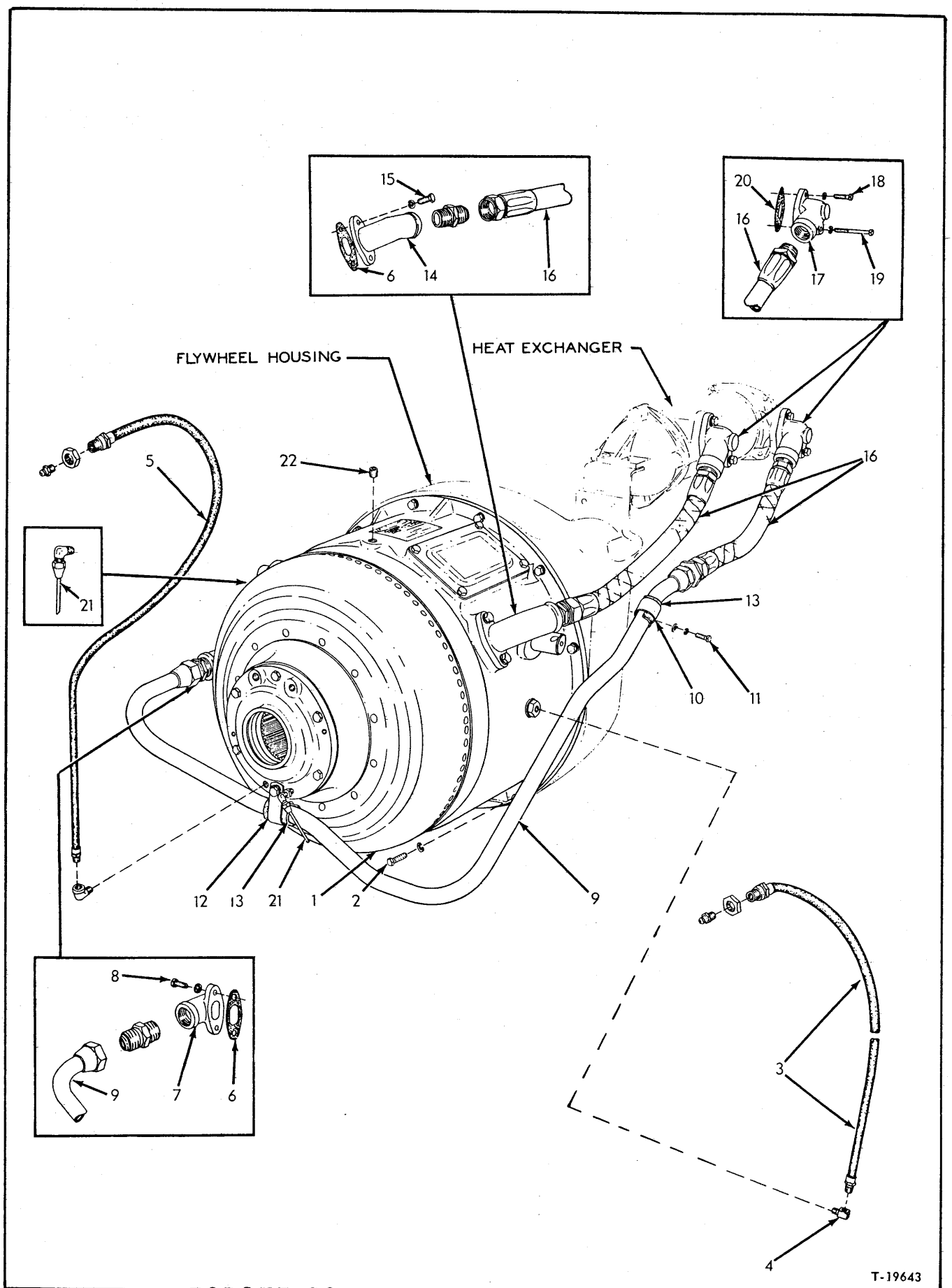
* Used prior to tractor serial No. 2993
** Effective with tractor serial No. 2993

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	------	1	-	CONVERTER ASSEMBLY, torque (See page 261 for parts) (Used prior to tractor #1879 including #1880 and #1921) (Order 1 CONVERTER ASSEMBLY 70093244 and 1 SLEEVE 70091490)
1	70093244	1	1	CONVERTER ASSEMBLY, torque (See page 261 for parts) (Effective with tractor #1879 excluding #1880 and #1921)
2	70013058	12	12	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	12	12	LOCKWASHER, 3/8"
				NOTE: Each converter listed above includes engine clutch throwout mechanism and lubricating hoses.
3	70084065	1	1	HOSE, lubricating, torque converter front bearing (18" long) (Models HD16AC, DC, FC)
3	70074065	1	1	HOSE, lubricating, torque converter front bearing (25" long) (Model HD16GC only)
	70911036	1	1	NUT, jam, 5/8"NC
	70915275	1	1	FITTING, lubricating, 65°, 1/8"NPT (Models HD16AC, DC)
	70914465	1	1	FITTING, lubricating, straight, 1/8"NPT (Models HD16FC, GC)
4	70605794	1	1	ELBOW, front bearing lubricating hose (90°, 1/8"NPT male and female)
5	70074066	1	1	HOSE, lubricating, torque converter rear bearing (35" long) (Models HD16AC, DC, FC)
5	70076322	1	1	HOSE, lubricating, torque converter rear bearing (31" long) (Model HD16GC only)
	70911036	1	1	NUT, jam, 5/8"NC
	70907059	1	1	ELBOW, street, 90°, 1/8"NPT
	70915275	1	1	FITTING, lubricating, 65°, 1/8"NPT (Models HD16AC, DC)
	70914465	1	1	FITTING, lubricating, straight, 1/8"NPT (Models HD16FC, GC)
6	70084654	1	1	TUBE, fluid return, heat exchanger to converter
	70915534	2	2	CONNECTOR, Sealastic, 1" tube, 1"NPT male
	70918566	2	2	NUT, Sealastic, 1" tube
	70915535	2	2	RING, Sealastic, 1" tube (Includes ferrule)
7	70093909	1	1	ELBOW, return tube at converter
8	70035439	2	2	CAPSCREW, 3/8"NC x 1"
	70904206	2	2	LOCKWASHER, 3/8"

(Continued)

TORQUE CONVERTER AND PIPING (Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
9	70084610	2	-	ELBOW, heat exchanger
	70095090	-	2	ELBOW, heat exchanger
10	70037450	2	-	CAPSCREW, 5/16"NC x 1-1/4"
	70013058	-	2	CAPSCREW, 3/8"NC x 1-1/4"
11	70086546	2	-	CAPSCREW, 5/16"NC x 2-3/4"
	70058936	-	2	CAPSCREW, 3/8"NC x 2-3/4"
	70904205	4	-	LOCKWASHER, 5/16"
	70904206	-	4	LOCKWASHER, 3/8"
12	70084676	1	1	TUBE, fluid discharge, converter to heat exchanger
	70915534	2	2	CONNECTOR, Sealastic, 1" tube, 1"NPT male
	70918566	2	2	NUT, Sealastic, 1" tube
	70915535	2	2	RING, Sealastic, 1" tube (Includes ferrule)
13	70080990	1	1	ELBOW, discharge tube at converter
14	70035439	2	2	CAPSCREW, 3/8"NC x 1"
	70904206	2	2	LOCKWASHER, 3/8"
15	70053173	2	2	□GASKET, converter elbows
16	70075700	2	-	GASKET, heat exchanger elbow
	70095091	-	2	GASKET, heat exchanger elbow
17	70041303	1	1	CLIP, discharge tube (closed type, 1" diam., 15/32" bolt-hole)
18	70084678	1	1	CLAMP, heat exchanger tubes, outer half (plain hole)
19	70084679	1	1	CLAMP, heat exchanger tubes, inner half (threaded hole)
20	70035018	1	1	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	1	1	LOCKWASHER, 1/2"
21	70051496	1	1	PLUG, thread protecting (For lifting hole bracket)



TORQUE CONVERTER AND PIPING (Second type)

TORQUE CONVERTER AND PIPING

USAGE: Model HD16AC, DC, FC, GC tractors serial No. 4001 and up

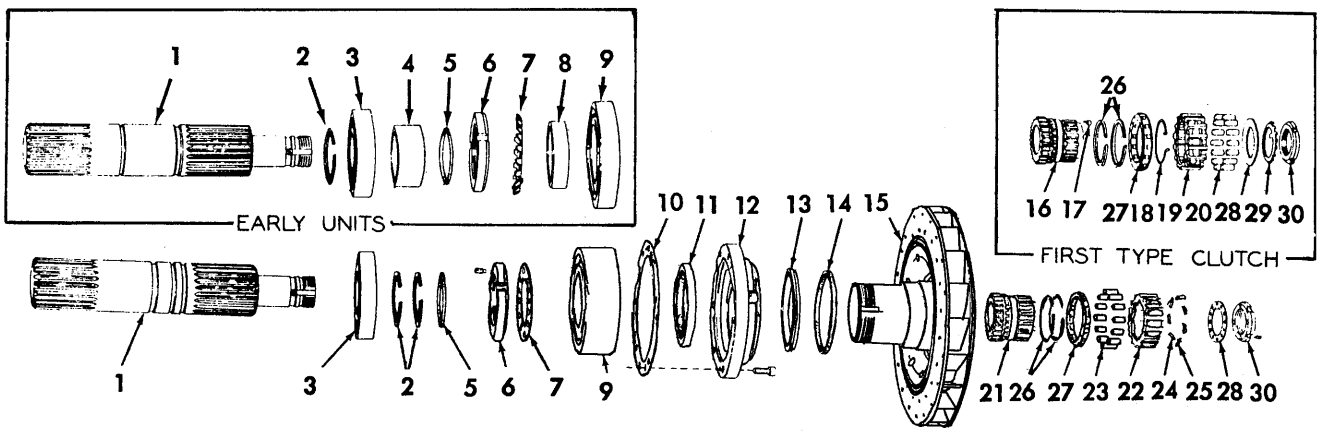
ITEM	PART NO.	QTY.	DESCRIPTION
1	70093244	1	CONVERTER ASSEMBLY, torque (See page 261 for parts)(Includes engine clutch throwout mechanism and lubricating hoses)
2	70013058	12	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	12	LOCKWASHER, 3/8"
3	70084065	1	HOSE, lubricating, torque converter front bearing (18" long)(Not for Model HD16GC)
	70074065	1	HOSE, lubricating, torque converter front bearing (25" long)(Model HD16GC tractors prior to #5154)
	70076322	1	HOSE, lubricating, torque converter front bearing (31" long)(Model HD16GC tractors effective with #5154)
	70911036	1	NUT, jam, 5/8"NC
	70915275	1	FITTING, lubricating, 65°, 1/8"NPT (Models HD16AC, DC)
	70914465	1	FITTING, lubricating, straight, 1/8"NPT (Models HD16FC, GC)
4	70605794	1	ELBOW, front bearing lubrication hose (90°, 1/8"NPT male and female)
5	70074066	1	HOSE, lubricating, torque converter rear bearing (35" long)(Not for Model HD16GC)
	70076322	1	HOSE, lubricating, torque converter rear bearing (31"long)(Model HD16GC tractors prior to #5154)
	70624199	1	HOSE, lubricating, torque converter rear bearing (Model HD16GC tractors effective with #5154)
	70907059	1	ELBOW, street, 90°, 1/8"NPT
	70911036	1	NUT, jam, 5/8"NC
	70915275	1	FITTING, lubricating, 65°, 1/8"NPT (Models HD16AC, DC)
	70914465	1	FITTING, lubricating, straight, 1/8"NPT (Models HD16FC, GC)
6	70053173	2	□GASKET, torque converter elbow
7	70080990	1	ELBOW, fluid outlet
8	70035439	2	CAPSCREW, 3/8"NC x 1"
	70904206	2	LOCKWASHER, 3/8"
9	70632661	1	TUBE ASSEMBLY, fluid discharge (Includes nuts)(If for tractors prior to #5561 also order CLIP 70632695)
	70919064	1	CONNECTOR, flare type, 1" tube, 1"NPT
10	70049769	1	CLIP, supporting, fluid discharge tube, front (long type)(Used prior to tractor #5561)
	70632695	1	CLIP, supporting, fluid discharge tube, front (short type)(Effective with tractor #5561)
11	70036034	1	CAPSCREW, 3/8"NF x 1" (Models HD16AC, DC)
	70036032	1	CAPSCREW, 3/8"NF x 3/4" (Models HD16FC, GC)
	70904206	1	LOCKWASHER, 3/8"
	70911115	1	WASHER, plain, SAE std., 3/8"

(Continued)

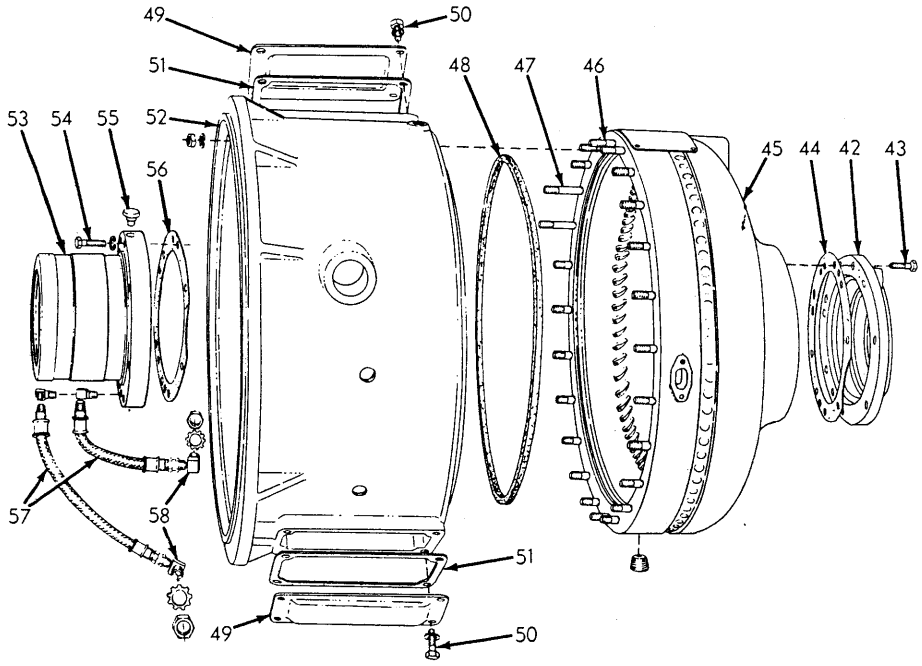
TORQUE CONVERTER AND PIPING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
12	70049769	1	CLIP, supporting, fluid discharge tube, rear
13	70094238	2	BOOT, protecting, fluid discharge tube
14	70093909	1	ELBOW, fluid inlet
15	70035439	2	CAPSCREW, 3/8"NC x 1"
	70904206	2	LOCKWASHER, 3/8"
16	70095127	2	HOSE ASSEMBLY, heat exchanger (See HOSE PARTS)
	70919064	1	CONNECTOR, flare type, 1" tube, 1"NPT
	70919268	1	UNION, flare type, 1" tube
17	70095090	2	ELBOW, heat exchanger
18	70013058	2	CAPSCREW, 3/8"NC x 1-1/4"
19	70058936	2	CAPSCREW, 3/8"NC x 2-3/4"
	70904206	4	LOCKWASHER, 3/8"
20	70095091	2	GASKET, heat exchanger elbow
21	70092029	2	TUBE, seal drain
	70910906	2	NUT, flare type, short, 3/16" tube
	70910268	2	ELBOW, flare type, 3/16" tube, 1/8"NPT male
	70901825	1	BUSHING, pipe reducing, 1/4"NPT to 1/8"NPT
22	70051496	1	PLUG, thread protecting, lifting hole

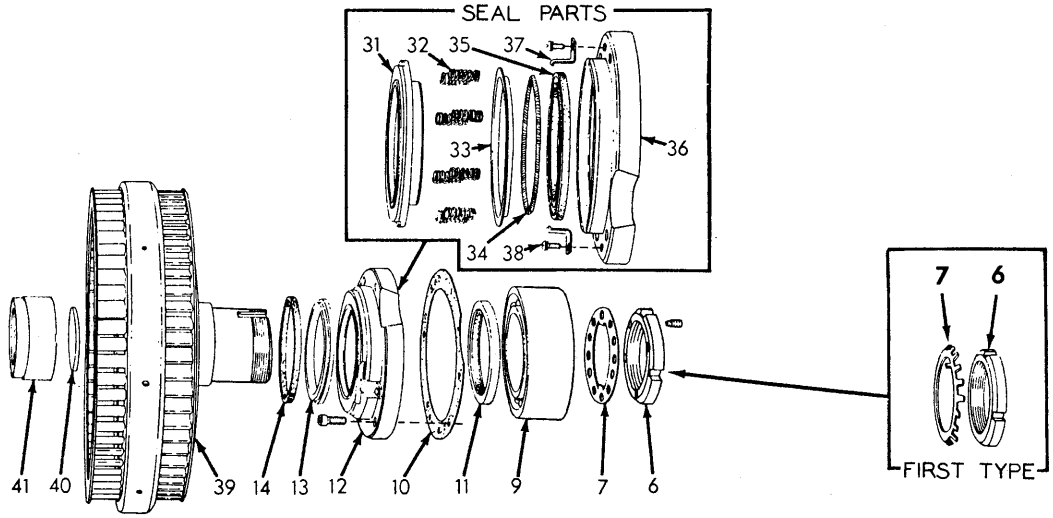
MEMO



INPUT SHAFT AND IMPELLER WHEEL



HOUSING AND COVERS



TURBINE WHEEL

T-16292

TORQUE CONVERTER PARTS

TORQUE CONVERTER PARTS

USAGE: See pages 253 and 257

* Model HD16AC, FC, GC tractors prior to serial No. 1879 including Nos. 1880 and 1921
** Model HD16AC, DC, FC, GC tractors serial No. 1879 and up excluding No. 1880 and 1921

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70079773	1	-	SHAFT, input
	70091513	-	1	SHAFT, input
2	70052175	1	2	RING, snap, input shaft
3	70067171	1	1	BEARING, ball, input shaft
4	70079772	1	-	SPACER, input shaft bearing
5	70079771	1	1	RING, input shaft sealing
6	70052158	2	2	NUT, retaining, impeller and turbine wheel bearings (Used prior to Converter #101409)
	70624815	-	2	NUT, retaining, impeller and turbine wheel bearings (Effective with Converter #101409)
	70921401	-	2	SETSCREW, socket-hd., half-dog-pt., 3/16"NC x 3/4"
7	70052160	2	2	WASHER, locking, bearing retaining nut (Used prior to Converter #101409)
	70624816	-	2	WASHER, locking, bearing retaining nut (Effective with Converter #101409)
8	70052179	1	-	SPACER, impeller wheel bearing
9	70052157	2	-	BEARING, ball, impeller and turbine wheels
	70091575	-	2	BEARING, ball, impeller and turbine wheels
10	70052168	2	2	GASKET, fluid seal
11	70052176	2	2	SEAL, oil (also see item 59)
12	70064882	2	2	SEAL ASSEMBLY, fluid (Consists of item 11 and items 31 thru 38)
	70912267	12	12	CAPSCREW, socket-hd., 3/8"NC x 1"
13	70052174	2	2	RING, mating, fluid seal (Carbon) (Also see item 59)
14	70052183	2	2	WASHER, sealing, fluid seal mating ring (rubber) (Also see item 59)
15	70093245	1	1	WHEEL, impeller

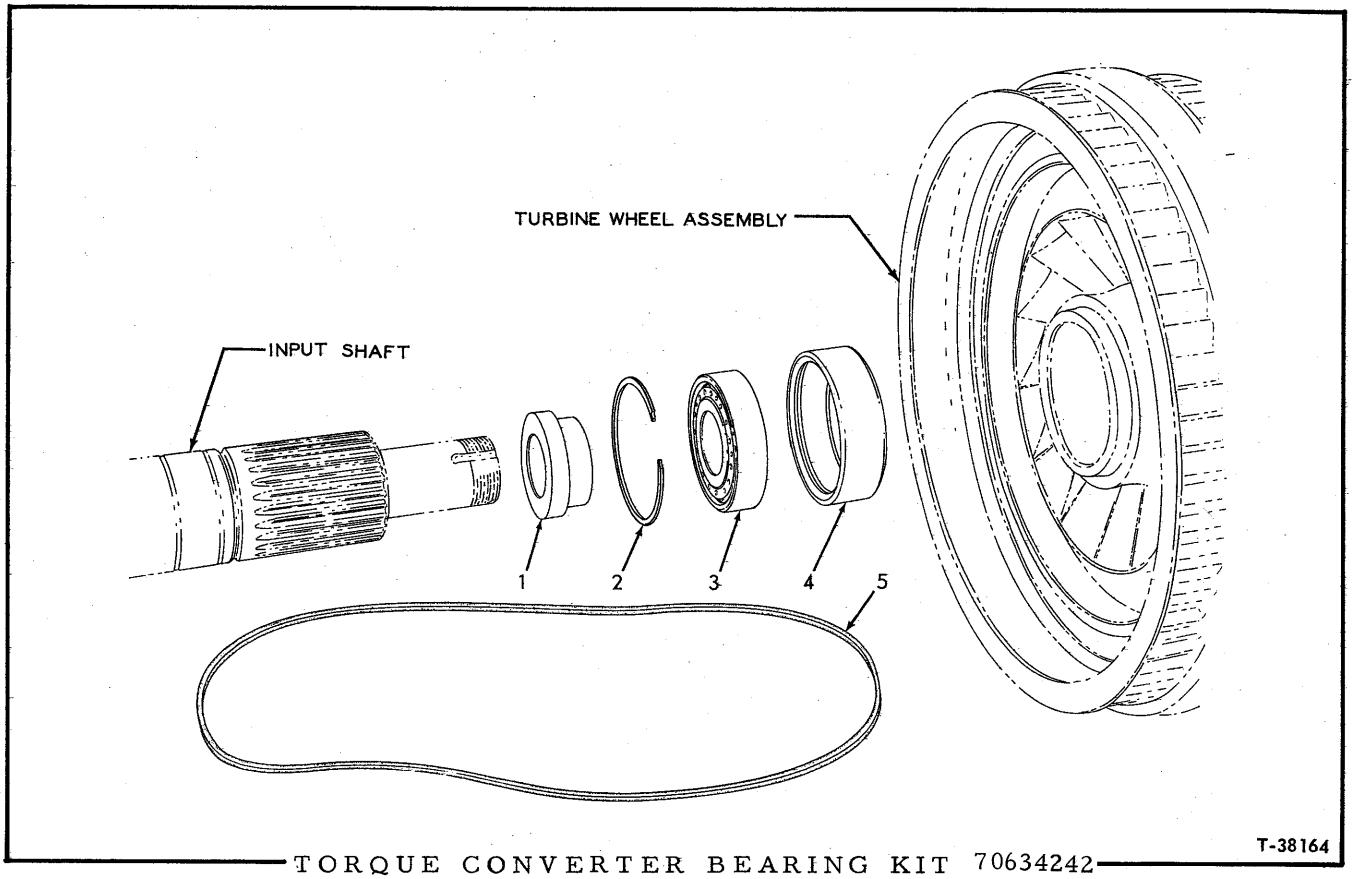
(Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
				NOTE: Items 16 thru 20 are components of the FIRST TYPE OVER-RUNNING CLUTCH used prior to torque converter serial No. 63961.
16	------	1	-	CAM, over-running clutch (Order item 60)
17	70076839	1	-	PIN, stop, clutch roller cage
18	------	1	-	SPRING, clutch roller cage } Order item 60
19	------	1	-	CAGE, clutch rollers } Order item 60
20	------	14	-	ROLLER, clutch } Order item 60
				NOTE: Items 21 thru 26 are components of the SECOND TYPE OVER-RUNNING CLUTCH effective with torque converter serial No. 63961.
21	------	1	1	CAM, over-running clutch } Order item 60
22	------	1	1	CAGE ASSEMBLY, clutch rollers (Includes 2 spring guiding pins) } Order item 60
23	------	14	14	ROLLER, clutch } Order item 60
24	------	2	2	SPRING, cage return } Order item 60
25	------	5	5	SPRING, bumper } Order item 60
26	70067704	2	2	RING, snap, over-running clutch cam } Also see item 60
27	70069770	1	1	ROLLER ASSEMBLY, clutch bearing } Also see item 60
28	70052184	1	1	WASHER, retaining, over-running clutch (plain type. Used prior to Converter #101409)
	70624817	-	1	WASHER, retaining, over-running clutch (keyed type. Effective with Converter #101409)(Also see item 60)
29	70030123	1	1	WASHER, locking, input shaft nut (Used prior to Converter #101409)
30	70030107	1	1	NUT, input shaft (Used prior to Converter #101409)
	70624814	-	1	NUT, input shaft (Effective with Converter #101409)
	70921400	-	1	SETSCREW, socket-hd., half-dog-pt., 1/4"NC x 5/8"
31	------	2	2	NOSE-PIECE, fluid seal (Not serviced. Order item 59)
32	70058717	16	16	SPRING, fluid seal } Also see item 59
33	70055278	2	2	WASHER, retaining, fluid seal element } Also see item 59
34	70057269	2	2	SPRING, clamping, fluid seal element } Also see item 59
35	70057270	2	2	ELEMENT, fluid seal (rubber) } Also see item 59
36	------	2	2	CARRIER, fluid seal (Not serviced. Order item 12)
37	70057268	4	4	CLIP, retaining, fluid seal nose-piece } Also see item 59
38	70057267	4	4	CAPSCREW ASSEMBLY (Includes lockwasher) } Also see item 59
39	70083595	1	-	WHEEL ASSEMBLY, turbine (Includes items 40 and 41)(See EXCHANGE OFFER below)
	70091581	-	1	WHEEL ASSEMBLY, turbine (Includes items 40 and 41)(See EXCHANGE OFFER below)
40	70052172	1	1	PLUG, turbine wheel
41	------	1	1	RACE, outer, over-running clutch (Standard size. Not serviced separately)
	70096656	1	1	RACE, outer, over-running clutch (.020" oversize)
	70096657	1	1	RACE, outer, over-running clutch (.060" oversize)
				NOTE: Replacement of clutch outer race requires precision machining

(Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
42	70058819	1	-	RETAINER, turbine wheel bearing
	70091561	-	1	RETAINER, turbine wheel bearing
43	70013058	6	-	CAPSCREW, 3/8"NC x 1-1/4"
	70070960	-	6	CAPSCREW, 3/8"NC x 1-1/2"
	70904206	6	-	LOCKWASHER, 3/8"
44	70052168	1	1	GASKET, bearing retainer
45	70058695	1	1	HOUSING ASSEMBLY, turbine (Blades are not serviced separately)
	70069214	1	1	HOUSING ASSEMBLY, turbine (Reconditioned. See Parts Bulletin No. CM-9 and Service Bulletin No. 16 for plans of reconditioning used housings)
	70908944	1	1	PLUG, pipe, hex-socket 1/2"NPT
46	70052181	22	22	STUD (3/8" diam., 1-3/4" long)
47	70052182	2	2	STUD (3/8" diam., 2-3/4" long)
	70904206	24	24	LOCKWASHER, 3/8"
	70911041	24	24	NUT, 3/8"NF
48	70052166	1	1	GASKET, turbine housing (Also see item 60)
49	70057639	2	2	PLATE, inspection
50	70035244	8	8	CAPSCREW, 3/8"NC x 3/4"
	70904206	4	4	LOCKWASHER, 3/8"
51	70057629	2	2	GASKET, inspection plate
52	70067151	1	1	HOUSING ASSEMBLY, clutch (Includes 1 PLUG 70910230)
	70910230	1	1	PLUG, pipe, slotted-hd., 1/8"NPT
53	70067147	1	-	CARRIER, input shaft bearing
	70091555	-	1	CARRIER, input shaft bearing
54	70013058	6	6	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	6	6	LOCKWASHER, 3/8"
55	70605132	1	1	VENT, air, input shaft bearing carrier
56	70052168	1	1	GASKET, input shaft bearing carrier
57	70621813	2	2	HOSE, greasing and draining
	70915399	2	2	ELBOW, street, brass, 90°, 3/8"NPT
58	70090652	2	2	FITTING, elbow
	70910543	2	2	LOCKWASHER, external teeth, 5/8"
	70911049	2	2	NUT, jam, 5/8"NF
59	70062164	2	2	SEAL KIT, torque converter fluid (Consists of items 11, 13, 14, 31 thru 35, 37 and 38; two kits required per unit)(Not illustrated)
60	70090465	1	1	CLUTCH KIT, over-running, (Consists of items 21 thru 28 and 48) (Not illustrated)

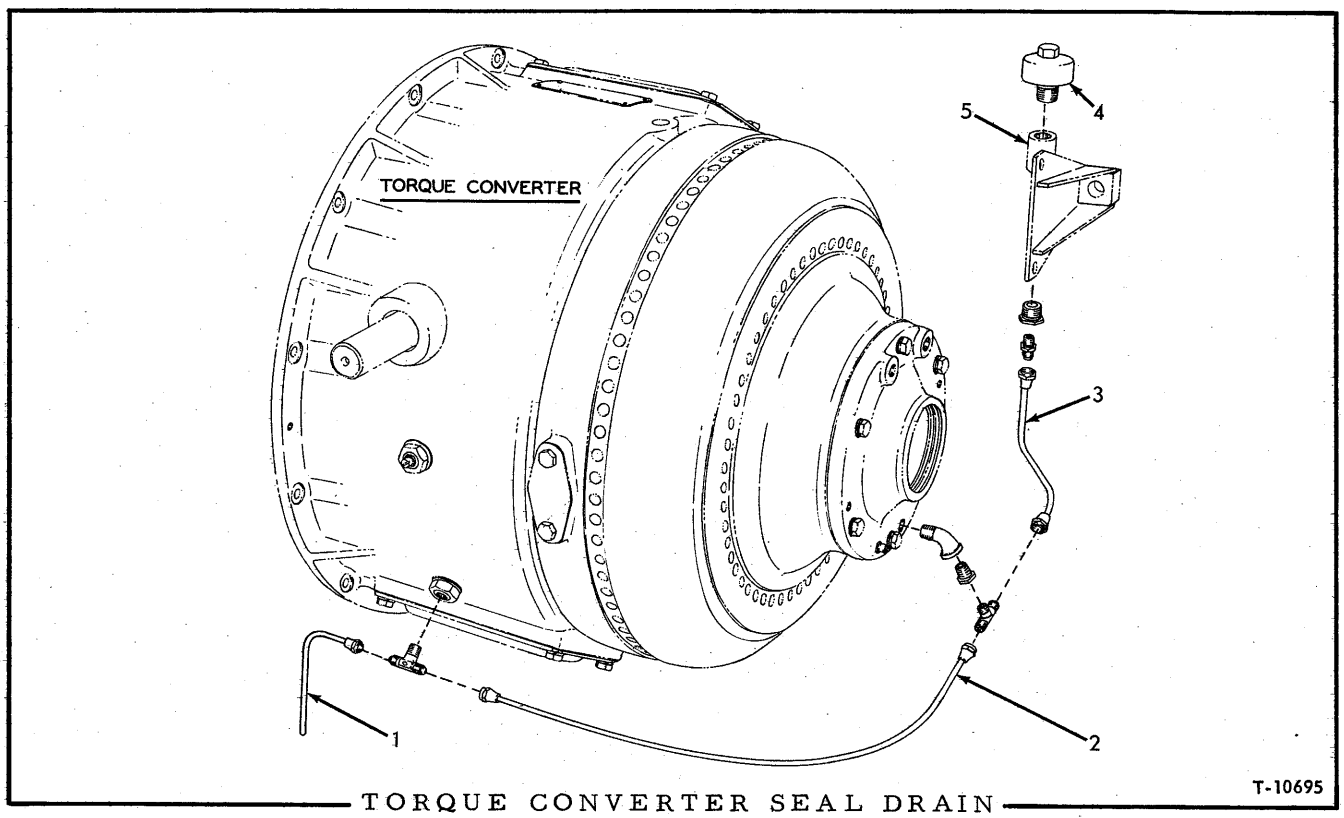
TURBINE WHEEL EXCHANGE OFFER: A used Turbine Wheel Assembly may be returned for credit, subject to factory inspection, to apply on the purchase of a new Turbine Wheel Assembly. Used Wheel Assembly No. 70083595 is identified as Part No. 70084822 and Used WHEEL ASSY. No. 70091581 is identified as Part No. 70091581. The amount of allowable credit is indicated in the Master Parts Price List under these numbers.



TORQUE CONVERTER BEARING KIT 70634242

USAGE: Special equipment. May be installed in place of over-running CLUTCH KIT 70090465 if push starting or engine braking is not essential.

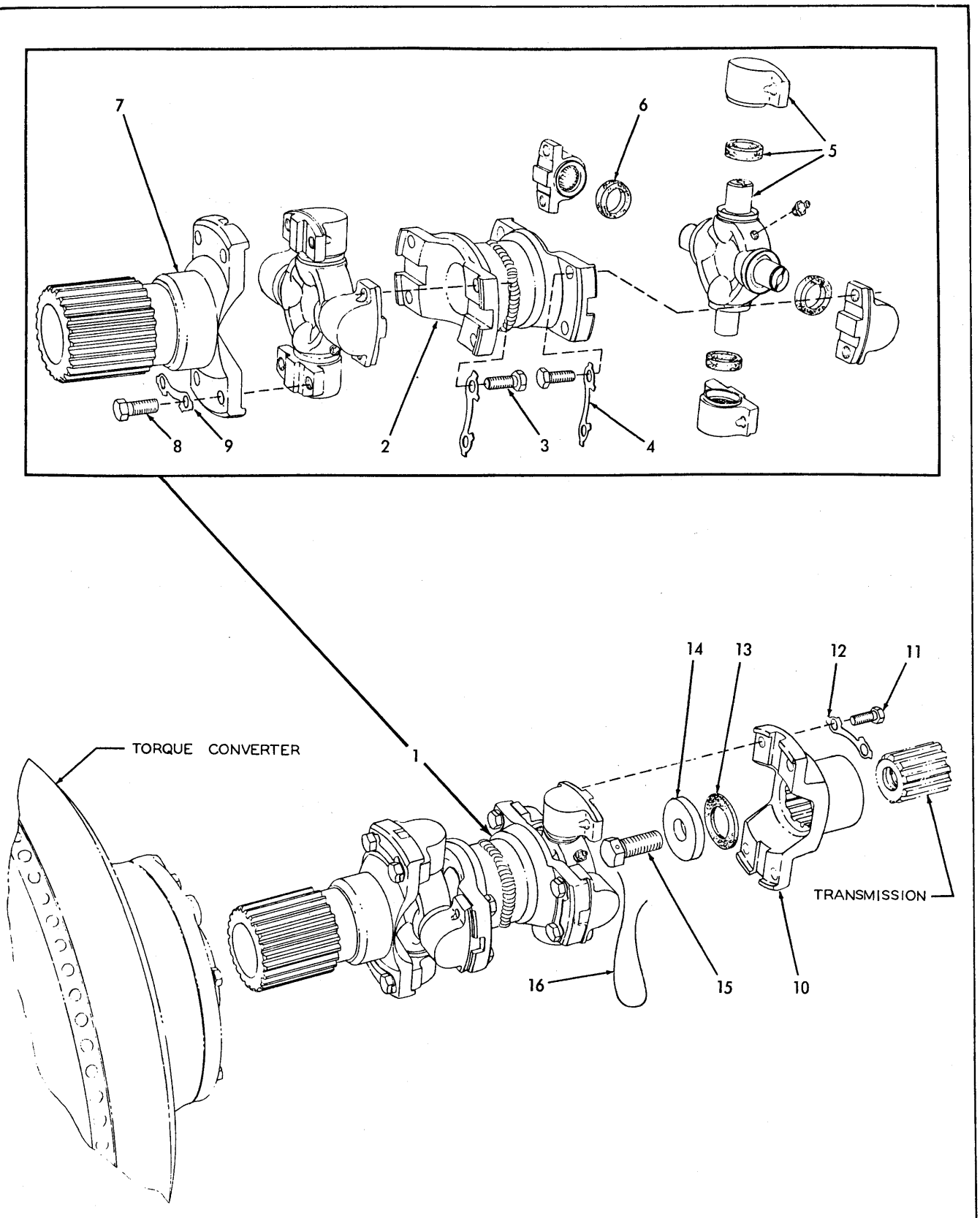
ITEM	PART NO.	QTY.	DESCRPTION
-	70634242	1	BEARING KIT, over-running clutch replacement (Consists of items listed below)
1	70634234	1	SPACER, bearing
2	70634233	1	RING, snap, roller bearing
3	70059095	1	BEARING, roller
4	70634232	1	SLEEVE, adapter, roller bearing (Requires precision machining and welding to install)
5	70052166	1	GASKET, turbine housing



TORQUE CONVERTER SEAL DRAIN

USAGE: Model HD16AC, DC, FC, GC tractors prior to serial No. 4001

ITEM	PART NO.	QTY.	DESCRIPTION
1	70083283	1	TUBE ASSEMBLY, front (Includes nut)(Used prior to tractor #2236)
	70914474	1	TEE, flare type, 3/16" tube, 1/8"NPT male
2	70079497	1	TUBE ASSEMBLY, rear (Includes nuts)(Used prior to tractor #2236. For tractors prior to #1484 also order 1 BUSHING 70901825 and 1 ELBOW 70907058)
	70914474	1	TEE, flare type, 3/16" tube, 1/8"NPT male
	70907061	1	COUPLING, pipe reducing, 1/4"NPT to 1/8"NPT (Used prior to tractor #1484)
	70901478	1	NIPPLE, pipe, 1/4"NPT x 7/8" (Used prior to tractor #1484)
	70901825	1	BUSHING, pipe reducing, 1/4"NPT to 1/8"NPT (Effective with tractor #1484)
	70907058	1	ELBOW, pipe, 45°, 1/4"NPT (Effective with tractor #1484)
3	70089034	1	TUBE ASSEMBLY, breather (Includes nuts)(Used prior to tractor #2236)
	70910905	1	CONNECTOR, flare type, 3/16" tube, 1/8"NPT male
	70901838	1	BUSHING, pipe reducing, 3/8"NPT to 1/8"NPT
4	70050748	1	BREATHER, air (Used prior to tractor #2236)
5	------	1	BRACKET (See GEAR SHIFT)
6	70092029	2	TUBE, seal drain (2" long)(Effective with tractor #2236. Not illustrated)
	70910906	2	NUT, flare type, short, 3/16" tube
	70910268	2	ELBOW, flare type, 3/16" tube, 1/8"NPT male
	70901825	1	BUSHING, pipe reducing, 1/4"NPT to 1/8"NPT



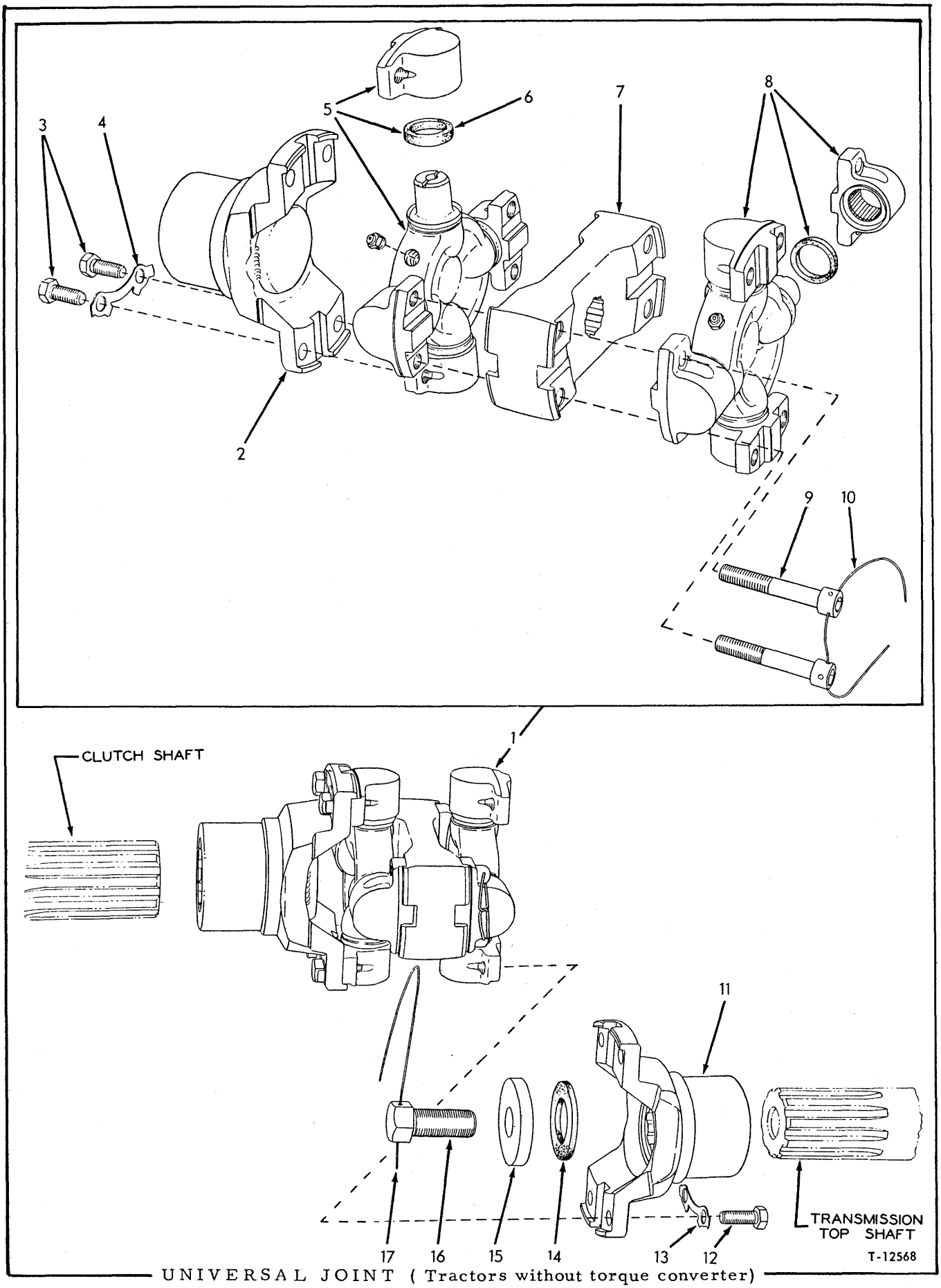
UNIVERSAL JOINT (Tractors with torque converter)

T-12567

UNIVERSAL JOINT

USAGE: Tractors with torque converter

ITEM	PART NO.	QTY.	DESCRIPTION
1	70081837	1	JOINT ASSEMBLY, universal (Consists of items 2 thru 9)
2	70081786	1	YOKE, center
3	70058739	8	CAPSCREW, 7/16"NF x 1-1/16"
4	70058741	4	LOCK, capscrew
5	70083616	2	SPIDER ASSEMBLY (Includes bearings, item 6 and FITTING indented below. Serviced only as a unit)
	70914687	2	FITTING, lubricating, straight, 1/4"NF
6	70084351	8	WASHER, sealing, spider bearing
7	70058738	1	YOKE, front
8	70058739	4	CAPSCREW, 7/16"NF x 1-1/16"
9	70058741	2	LOCK, capscrew
10	70075905	1	YOKE, rear
11	70058739	4	CAPSCREW, 7/16"NF x 1-1/16"
12	70058741	2	LOCK, capscrew
13	70059813	1	SEAL, rear yoke (rubber)
14	70078314	1	WASHER, rear yoke retaining
15	70075950	1	CAPSCREW, yoke retaining
16	70023633	1	WIRE, locking, 1/16" x 12"

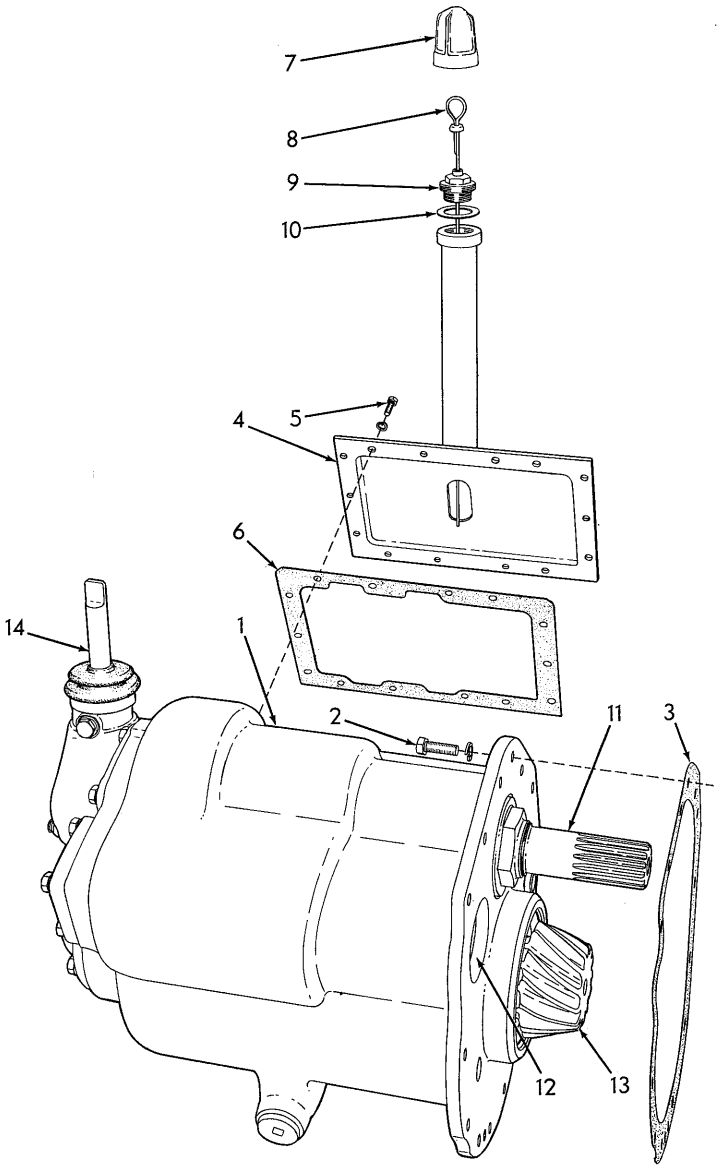


UNIVERSAL JOINT (Tractors without torque converter)

UNIVERSAL JOINT

USAGE: Tractors without torque converter

ITEM	PART NO.	QTY.	DESCRIPTION
1	70081928	1	JOINT ASSEMBLY, universal (Consists of items 2 thru 10)
2	70059881	1	YOKE ASSEMBLY, front (Includes cup plug)
3	70035167	4	CAPSCREW, 3/8"NF x 7/8"
4	70059876	2	LOCK, capscrew
5	70085918	1	SPIDER ASSEMBLY, front (Includes four tapped bearings, item 6, and FITTING indented below. Serviced only as a unit)
	70914687	1	FITTING, lubricating, straight, 1/4"NF
6	70076461	8	WASHER, sealing, spider bearing
7	70085927	1	COUPLING, center
8	70084328	1	SPIDER ASSEMBLY, rear (Includes two tapped bearings, two plain bearings, item 6, and FITTING indented below. Serviced only as a unit)
	70914687	1	FITTING, lubricating, straight, 1/4"NF
9	70076460	4	CAPSCREW, coupling
10	70023756	1	WIRE, locking, 1/16" x 26"
11	70624528	1	YOKE, rear
12	70035167	4	CAPSCREW, 3/8"NF x 7/8"
13	70059876	2	LOCK, capscrew
14	70059813	1	SEAL, rear yoke (rubber)
15	70078314	1	WASHER, rear yoke retaining
16	70075950	1	CAPSCREW, rear yoke retaining
17	70023633	1	WIRE, locking, 1/16" x 12"



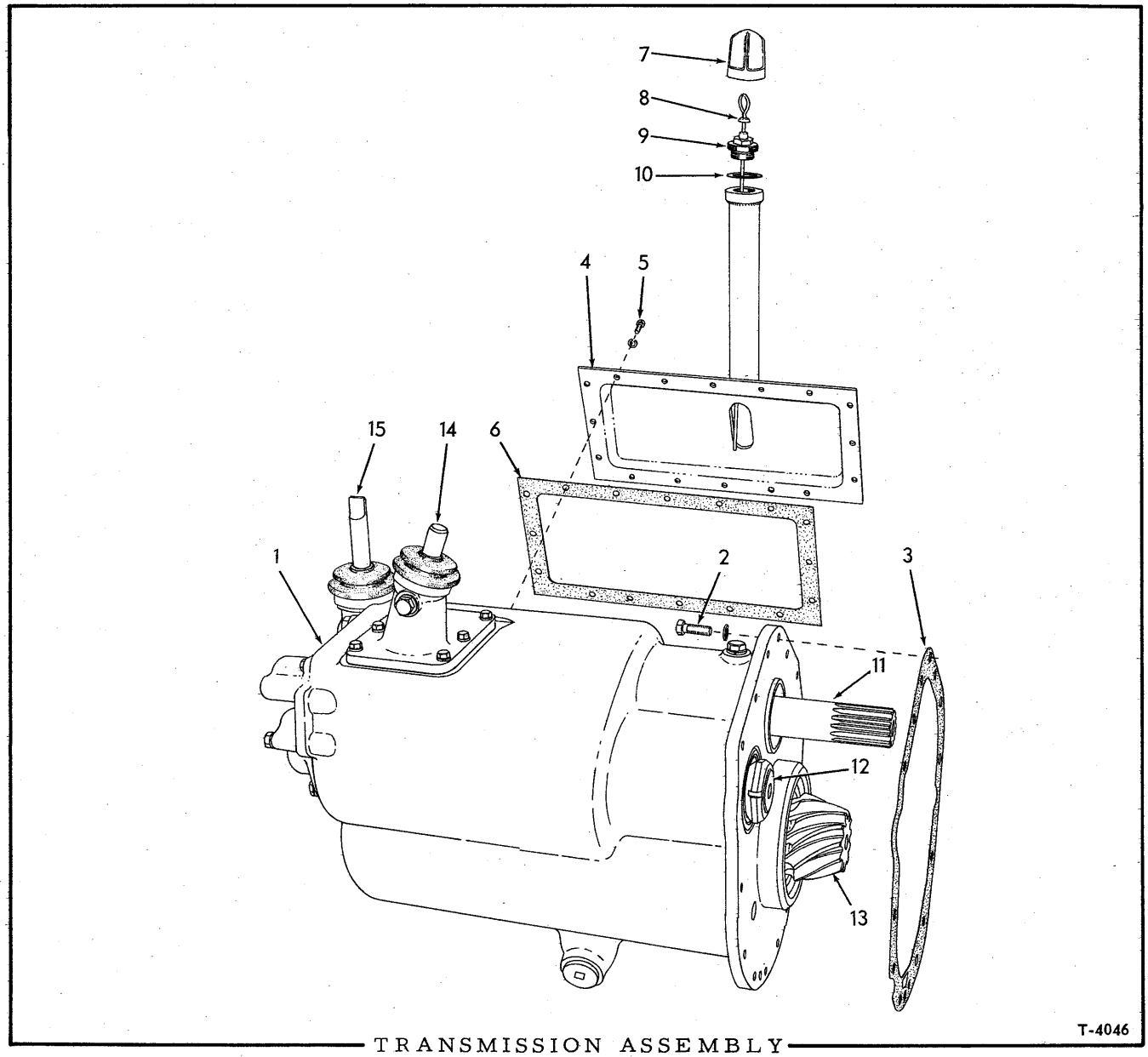
TRANSMISSION ASSEMBLY

USAGE: Tractors with torque converter

ITEM	PART NO.	QTY.	DESCRIPTION
1	70083619	1	TRANSMISSION ASSEMBLY (Includes 14-tooth bevel pinion, all gears, shafts and shifting forks) (Used prior to tractor #4834)
	70623178	1	TRANSMISSION ASSEMBLY (Includes 12-tooth bevel pinion, all gears, shafts and shifting forks) (Used on tractors #4834 thru #5042)
	70098943	1	TRANSMISSION ASSEMBLY (Includes 12-tooth bevel pinion, all gears, shafts and shifting forks) (Used on tractors #5043 thru #5153, excluding #5104)
	70623726	1	TRANSMISSION ASSEMBLY (Includes 12-tooth bevel pinion, all gears, shafts and shifting forks) (Effective with tractor #5154, including #5104)
2	70035018	14	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	14	LOCKWASHER, 1/2"

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
3	70623618	1	GASKET, case to steering clutch housing
4	70075390	1	COVER, side
5	70035244	14	CAPSCREW, 3/8"NC x 3/4" } 3 less used on tractors #5043 thru #5153, except #5104
	70904206	14	LOCKWASHER, 3/8" }
6	70075391	1	GASKET, side cover
7	70034265	1	CAP, oil level gauge rod (Used prior to tractor #1584)
	70089827	1	CAP, oil level gauge rod (Effective with tractor #1584)
8	70034304	1	ROD, gauge, transmission oil level
9	70034268	1	PLUG, transmission oil filling hole (Used prior to tractor #1584)
	70089814	1	PLUG, transmission oil filling hole (Effective with tractor #1584)
10	70034269	1	GASKET, oil level gauge rod cap
11	------	-	See TRANSMISSION TOP SHAFT
12	------	-	See TRANSMISSION REVERSE SHAFT
13	------	-	See TRANSMISSION PINION SHAFT
14	------	-	See GEAR SHIFT



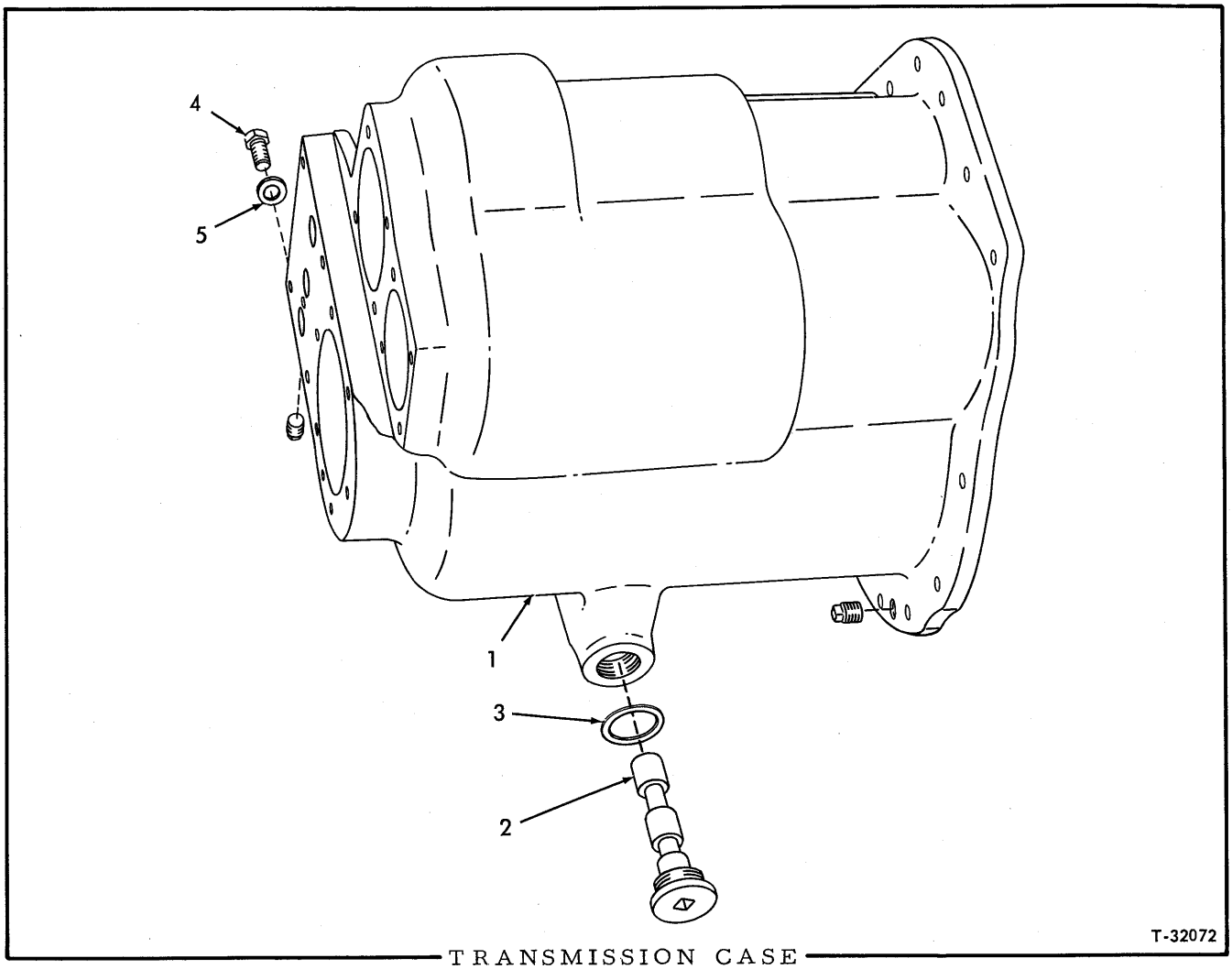
TRANSMISSION ASSEMBLY

USAGE: Tractors without torque converter

ITEM	PART NO.	QTY.	DESCRIPTION
1	70083620	1	TRANSMISSION ASSEMBLY (Includes gears, shafts and forks)(Used prior to tractor #5043)
	70098942	1	TRANSMISSION ASSEMBLY (Includes gears, shafts and forks)(Used on tractors #5043 thru #5153)
	70623725	1	TRANSMISSION ASSEMBLY (Includes gears, shafts and forks)(Effective with tractor #5154)
2	70035018	14	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	14	LOCKWASHER, 1/2"
3	70623618	1	GASKET, case to steering clutch housing

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
4	70078557	1	COVER, side
5	70035439	16	CAPSCREW, 3/8"NC x 1" } 3 less used on tractors
	70904206	16	LOCKWASHER, 3/8" } #5043 thru #5153
6	70069679	1	GASKET, side cover
7	70034265	1	CAP, oil level gauge rod (Used prior to tractor #1589 excluding #1563)
	70089827	1	CAP, oil level gauge rod (Effective with tractor #1589 including #1563)
8	70034304	1	ROD, gauge, transmission oil level
9	70034268	1	PLUG, transmission oil filling hole (Used prior to tractor #1589, excluding #1563)
	70089814	1	PLUG, transmission oil filling hole (Effective with tractor #1589, including #1563)
10	70034269	1	GASKET, oil level gauge rod cap
11	------	-	See TRANSMISSION TOP SHAFT
12	------	-	See TRANSMISSION INTERMEDIATE SHAFT
13	------	-	See TRANSMISSION PINION SHAFT
14	------	-	See FORWARD HIGH-LOW GEAR SHIFT
15	------	-	See SPEED SELECTION GEAR SHIFT

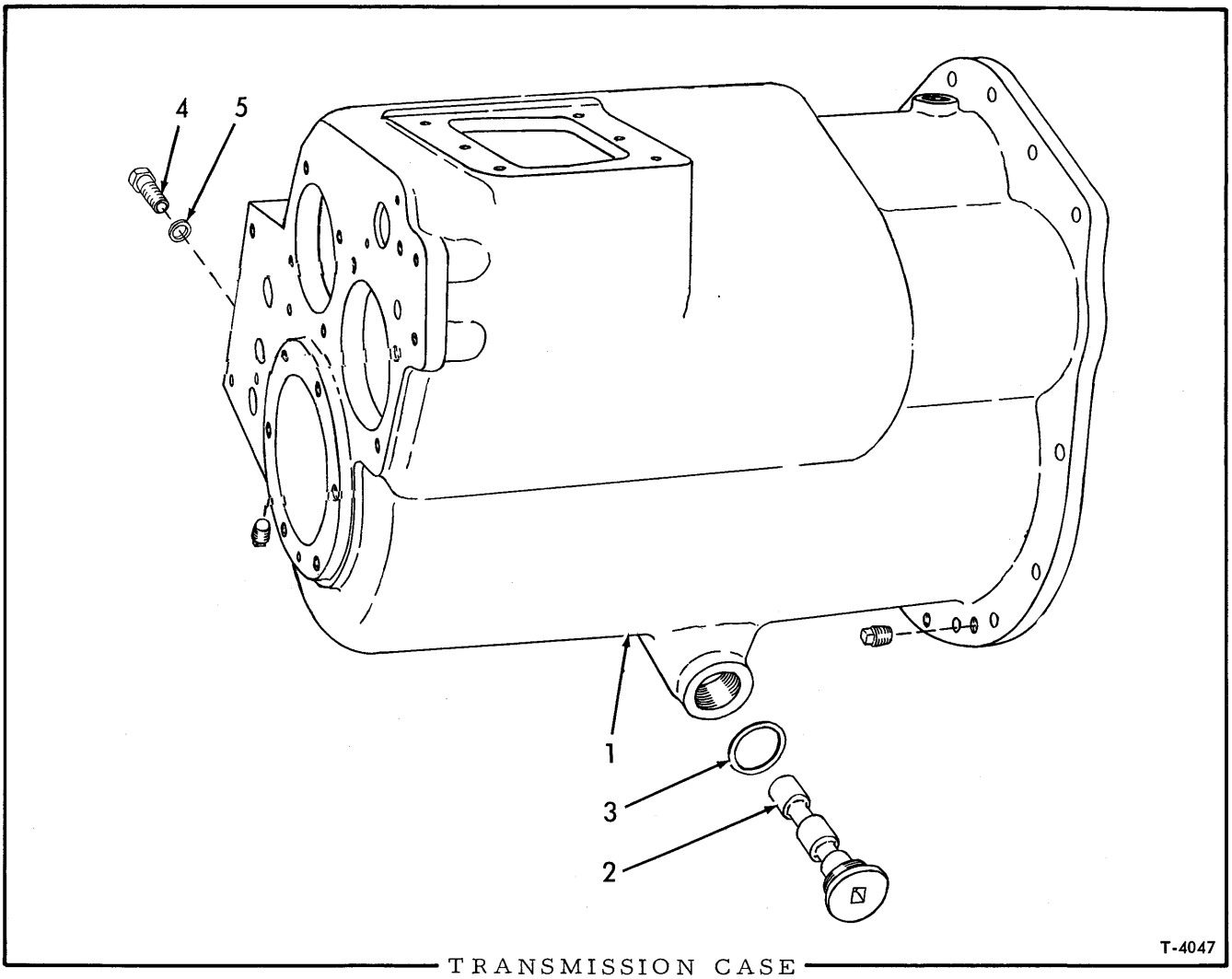


TRANSMISSION CASE

USAGE: Tractors with torque converter

* Tractors prior to serial No. 5154, excluding #5104
** Tractors serial No. 5154 and up, including #5104

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70623862	1	-	CASE, transmission
	70901653	2	-	PLUG, pipe, 3/8"NPT
	70623614	-	1	CASE, transmission
2	70067543	1	1	PLUG, drain
3	70035249	1	1	GASKET, drain plug
4	70035159	3	-	CAPSCREW, hole plugging (5/8"NF x 1")
5	70049918	3	-	WASHER, hole plugging capscrew (copper)

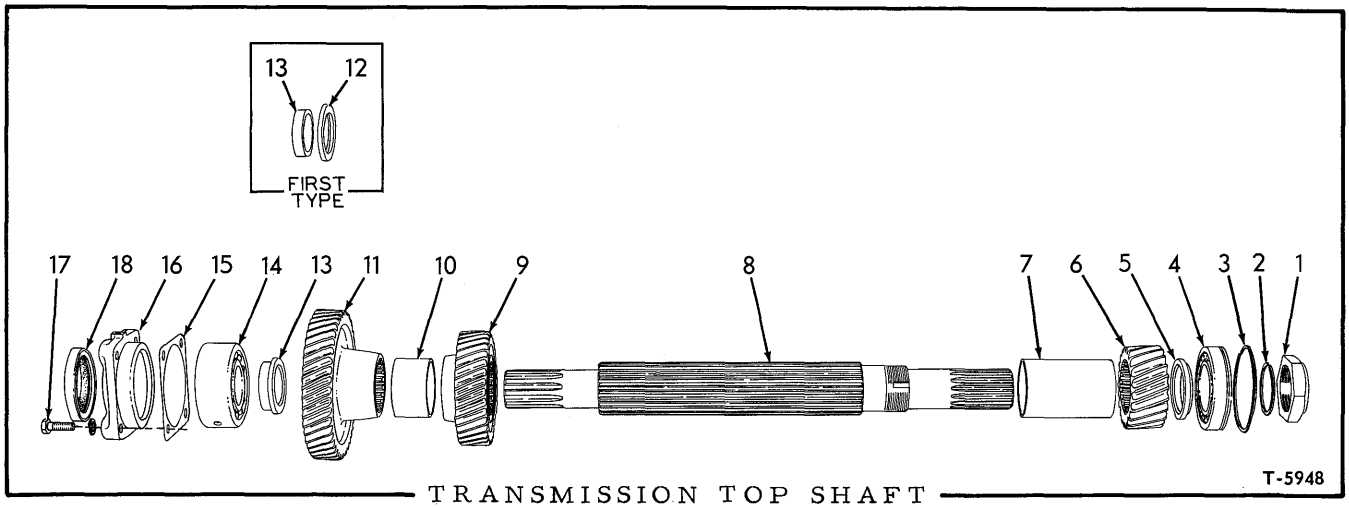


TRANSMISSION CASE

USAGE: Tractors without torque converter

* Tractors prior to serial No. 5154
** Tractors serial No. 5154 and up

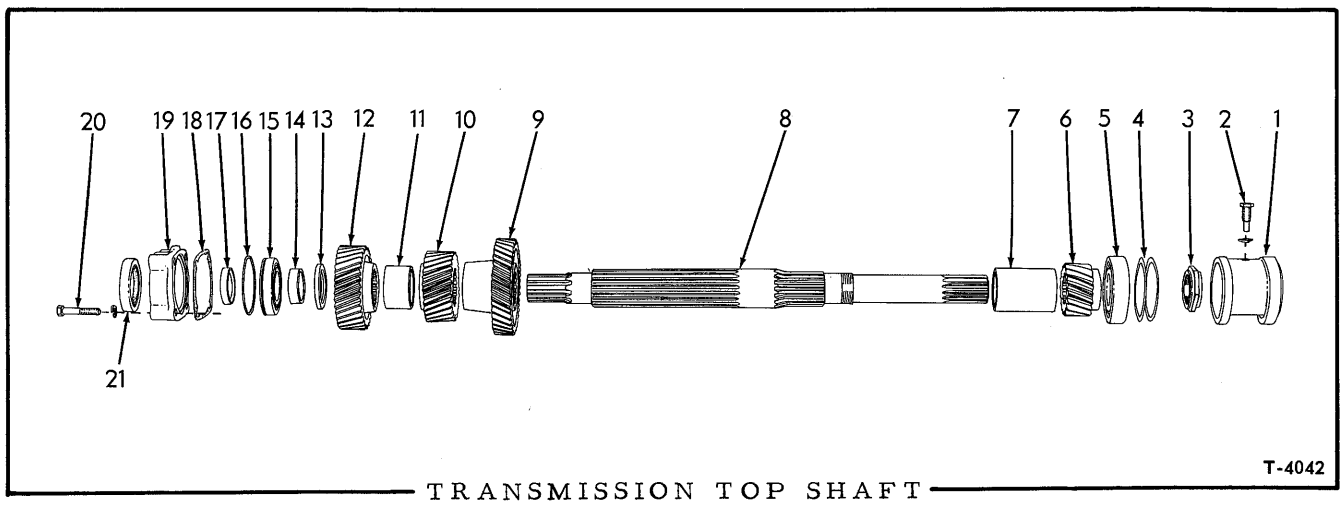
ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70080097	1	-	CASE, transmission
	70901653	2	-	PLUG, pipe, 3/8"NPT
	70623610	-	1	CASE, transmission
2	70067543	1	1	PLUG, drain
3	70035249	1	1	GASKET, drain plug
4	70035159	3	-	CAPSCREW, hole plugging (5/8"NF x 1")
5	70049918	3	-	WASHER, hole plugging capscrew (copper)



TRANSMISSION TOP SHAFT

USAGE: Tractors with torque converter

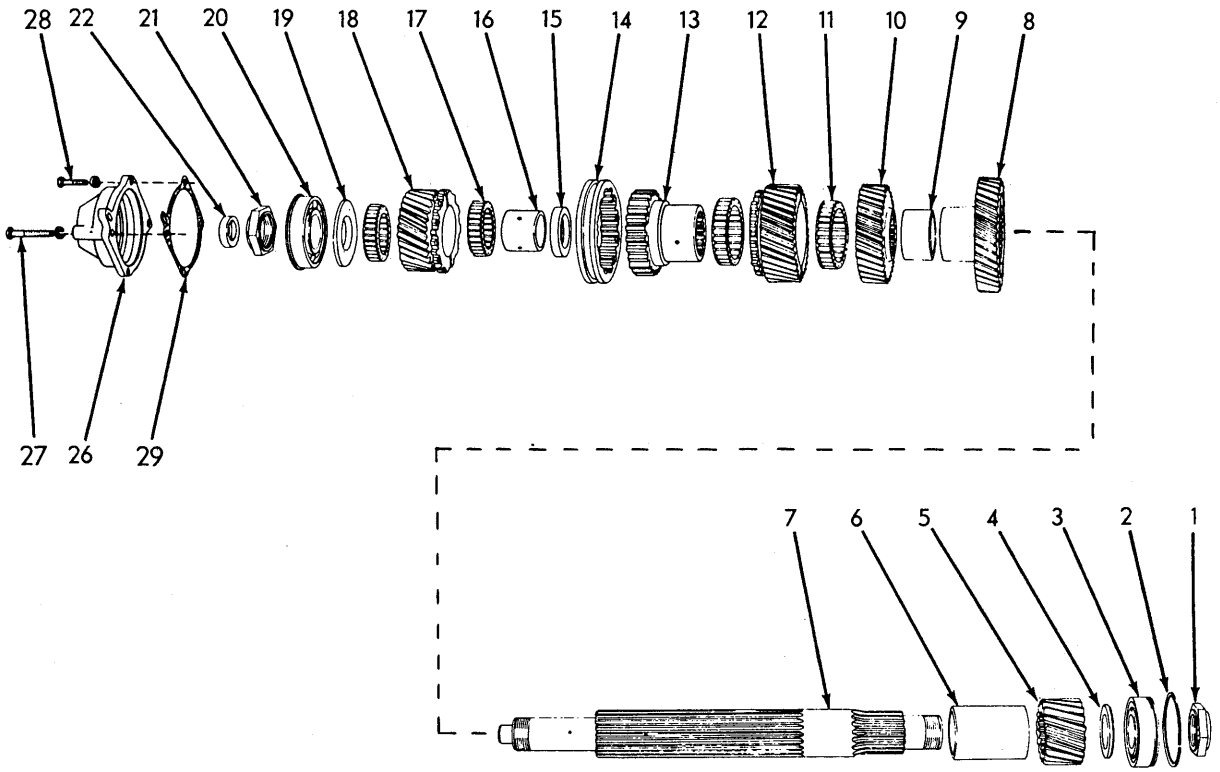
ITEM	PART NO.	QTY.	DESCRIPTION
1	70078862	1	NUT
2	70065512	1	RING, spacing, rear bearing
3	70040831	1	RING, snap, rear bearing
4	70058135	1	BEARING, roller, rear
5	70074818	1	SPACER, rear bearing
6	70073808	1	GEAR, 1st speed (22 teeth)
7	70069444	1	SLEEVE, spacing (4-9/16" long)
8	70621683	1	SHAFT
9	70073733	1	GEAR, 2nd speed and reverse (36 teeth)
10	70069443	1	SLEEVE, spacing (1-3/4" long)
11	70074838	1	GEAR, 3rd speed (46 teeth)
12	------	1	WASHER, thrust (Used prior to tractor #2818)(Order 70093713)
13	------	1	SLEEVE, spacing, front bearing (Used prior to tractor #2818) (Order 70093713)
	70093713	1	SPACER, front bearing (Effective with tractor #2818)
14	70074822	1	BEARING, ball, front
15	70074842	7	SHIM, front bearing retainer (.003" thick. Use as required)
16	70073761	1	RETAINER, front bearing (Used prior to tractor #5043)
	70629041	1	RETAINER, front bearing (Effective with tractor #5043)
17	70035061	4	CAPSCREW, 1/2"NC x 1-1/4"(Used prior to tractor #5043)
	70035236	4	CAPSCREW, 1/2"NC x 2-1/4"(Effective with tractor #5043)
	70904208	4	LOCKWASHER, 1/2"
18	70629040	1	SEAL, oil, front bearing retainer



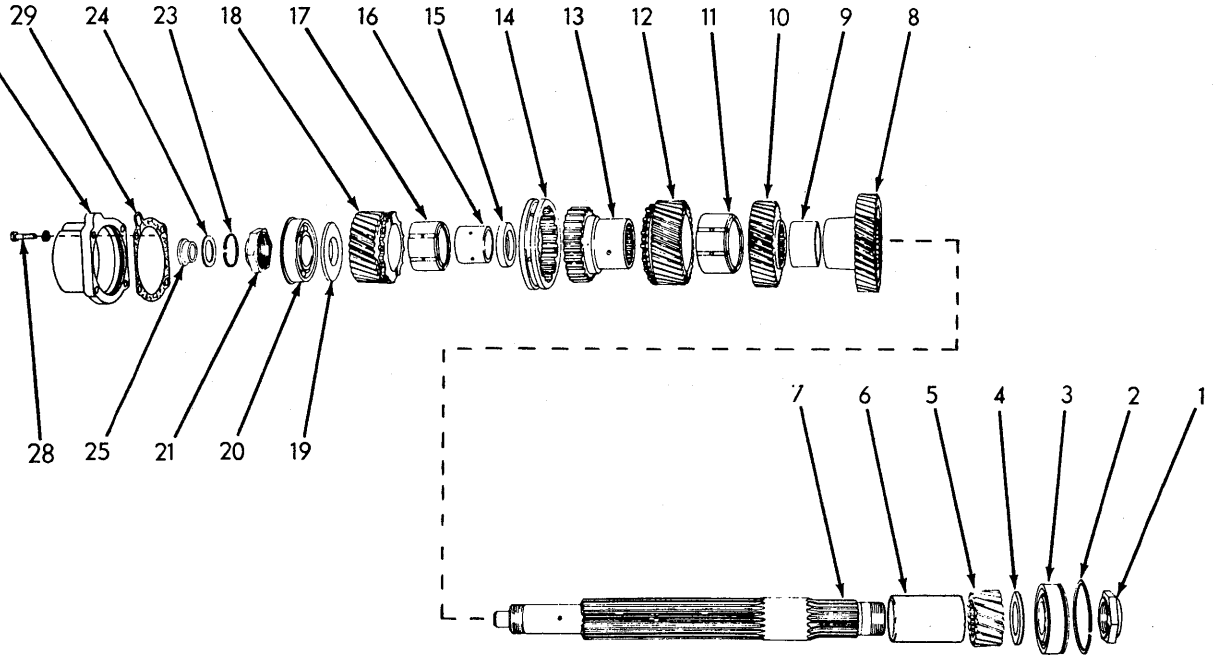
TRANSMISSION TOP SHAFT

USAGE: Tractors without torque converter

ITEM	PART NO.	QTY.	DESCRIPTION
1	70069369	1	SLEEVE, rear bearing
2	70621330	1	SCREW, sleeve locking
	70904209	1	LOCKWASHER, 5/8"
3	70078864	1	NUT, top shaft
4	70069452	4	SHIM, bearing adjusting (.005" thick. Use as required)
5	70069428	1	BEARING, ball, rear
6	70073771	1	GEAR, 1st reverse (18 teeth)
7	70069442	1	SLEEVE, spacing (4-1/8" long)
8	70621680	1	SHAFT, top
9	70069370	1	GEAR, 3rd reverse (40 teeth)
10	70069373	1	GEAR, low range (30 teeth)
11	70069443	1	SLEEVE, spacing (1-3/4" long)
12	70069359	1	GEAR, high range and 2nd reverse (36 teeth)
13	70069434	1	SPACER, high range and 2nd reverse gear (5/16" long)
14	70069436	1	SLEEVE, spacing, front bearing
15	70057281	1	BEARING, roller, front
16	70042121	1	RING, snap, front bearing
17	70069435	1	SPACER, front bearing (1/2" long)
18	70069451	1	GASKET, front bearing retainer
19	70069368	1	RETAINER, front bearing (Used prior to tractor #5043)
	70098922	1	RETAINER, front bearing (Effective with tractor #5043)
20	70028979	4	CAPSCREW, 1/2"NC x 2-1/2"
	70904208	4	LOCKWASHER, 1/2"
21	70629040	1	SEAL, oil, front bearing retainer



FIRST TYPE



SECOND TYPE

T-30869

TRANSMISSION INTERMEDIATE SHAFT

USAGE: Tractors without torque converter

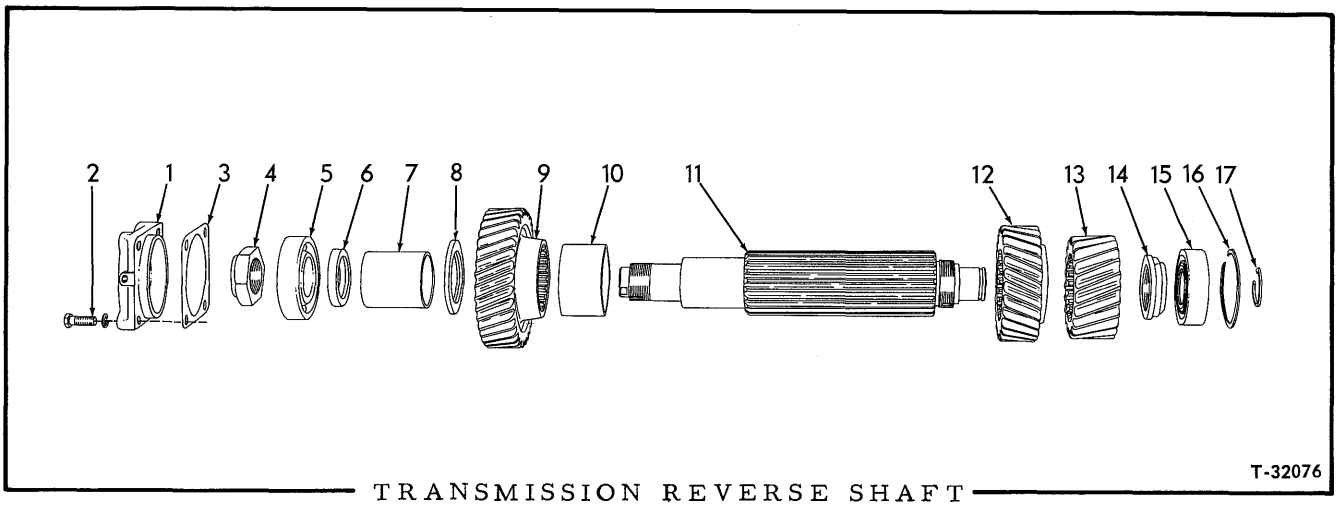
*Tractors prior to serial No. 5043
**Tractors serial No. 5043 and up

ITEM	PART NO.	QTY.		DESCRIPTION
1	70083478	1	1	NUT, rear
2	70042121	1	1	RING, snap, rear bearing
3	70083476	1	1	BEARING, roller, rear
4	70083477	1	1	SPACER, rear bearing
5	70083479	1	1	GEAR, 1st and 2nd speeds (19 teeth)
6	70069442	1	1	SLEEVE, gear spacing (4-1/8" long)
7	70621684	1	-	SHAFT, intermediate
	70099066	-	1	SHAFT, intermediate
8	70069370	1	1	GEAR, 4th and 6th speeds (40 teeth)
9	70069443	1	1	SLEEVE, gear spacing (1-3/4" long)
10	70069378	1	1	GEAR, 3rd and 5th speeds (36 teeth)
11	70069382	2	-	BEARING, roller, low range gear
	70623667	-	1	BUSHING, low range gear
12	70069358	1	1	GEAR, low range (35 teeth)
13	70069423	1	1	HUB, low range gear
14	70069243	1	-	COLLAR, shifting (7/16" groove)(Original equipment)
	70099899	-	1	COLLAR, shifting (7/16" groove)(Original equipment)
	70647321	1	1	COLLAR, shifting (5/8" groove)(Furnished in service replacement transmission)
15	70069449	1	1	SPACER, high range gear bearing
16	70069390	1	1	RACE, high range gear bearing
17	70069383	2	-	BEARING, roller, high range gear
	70623335	-	1	BUSHING, high range gear
18	70069357	1	1	GEAR, high range (28 teeth)
19	70041017	1	1	WASHER, spacing, front bearing
20	70042852	1	1	BEARING, ball, front (Includes snap ring)
21	70078861	1	1	NUT, front
22	70044741	1	-	SEAL, oil retaining

(Continued)

TRANSMISSION INTERMEDIATE SHAFT (Continued)

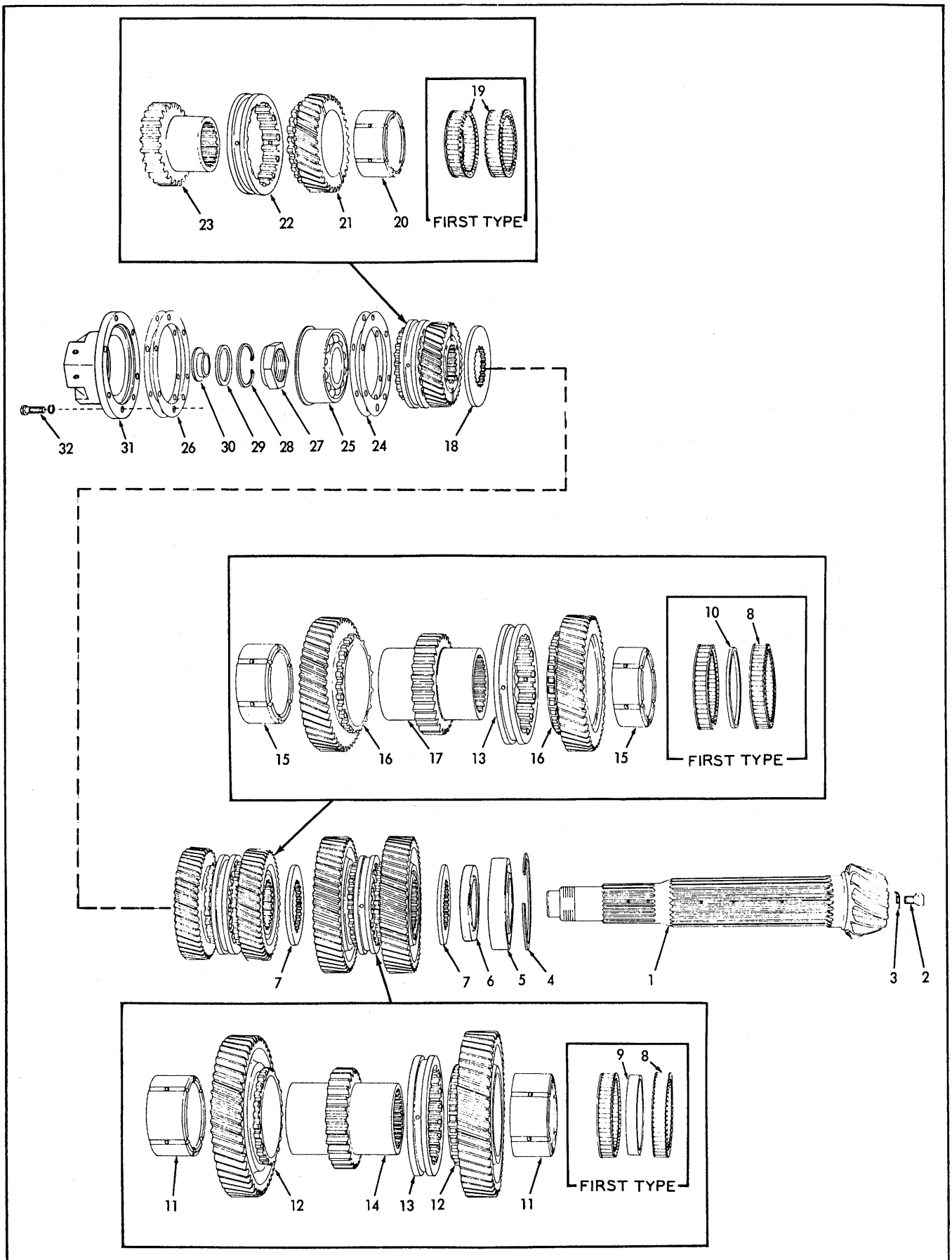
ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
23	70621446	-	1	RING, snap
24	70621332	-	1	RING, oil sealing, outer
25	70621333	-	1	RING, oil sealing, inner
26	70069367	1	-	COVER, front bearing
	70623333	-	1	RETAINER, front bearing (Used prior to tractor #5154)
	70623703	-	1	RETAINER, front bearing (Effective with tractor #5154)
27	70041877	1	-	CAPSCREW, 1/2"NC x 3"
28	70035190	3	4	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	4	4	LOCKWASHER, 1/2"
29	70069437	1	1	GASKET, bearing retainer (Used prior to tractor #5154)
	70629734	-	1	GASKET, bearing retainer (Effective with tractor #5154)



TRANSMISSION REVERSE SHAFT

USAGE: Tractors with torque converter

ITEM	PART NO.	QTY.	DESCRIPTION
1	70073760	1	RETAINER, front bearing (Used prior to tractor #5043)
	70098968	1	RETAINER, front bearing (Used on tractors #5043 thru #5153, excluding #5104)
	70623729	1	RETAINER, front bearing (Effective with tractor #5154, including #5104)
2	70035236	4	CAPSCREW, 1/2"NC x 1-3/4" (Used prior to tractor #5043)
	70035712	4	CAPSCREW, 1/2"NC x 2-1/4" (Effective with tractor #5043)
	70904208	4	LOCKWASHER, 1/2"
3	70074841	7	SHIM, adjusting (.003" thick. Use as required)
4	70079234	1	NUT, front
5	70090645	1	BEARING, ball, front
6	70074817	1	SPACER, front bearing
7	70074814	1	SLEEVE, gear retaining (2-1/2" long)
8	70074815	1	WASHER, gear retaining
9	70073733	1	GEAR, 2nd reverse (36 teeth)
10	70069443	1	SLEEVE, gear spacing (1-3/4" long)
11	70621682	1	SHAFT, reverse (Used prior to tractor #5043)
	70098958	1	SHAFT, reverse (Effective with tractor #5043)
12	70073738	1	GEAR, reverse (28 teeth)
13	70073808	1	GEAR, 1st reverse (22 teeth)
14	70079256	1	NUT, rear
15	70052049	1	BEARING, roller, rear
16	70052374	1	RING, snap, rear bearing
17	70052225	1	RING, snap, reverse shaft



TRANSMISSION PINION SHAFT (Tractors with torque converter)

TRANSMISSION PINION SHAFT

USAGE: Tractors with torque converter

*Tractors prior to serial No. 5043
**Tractors serial No. 5043 and up

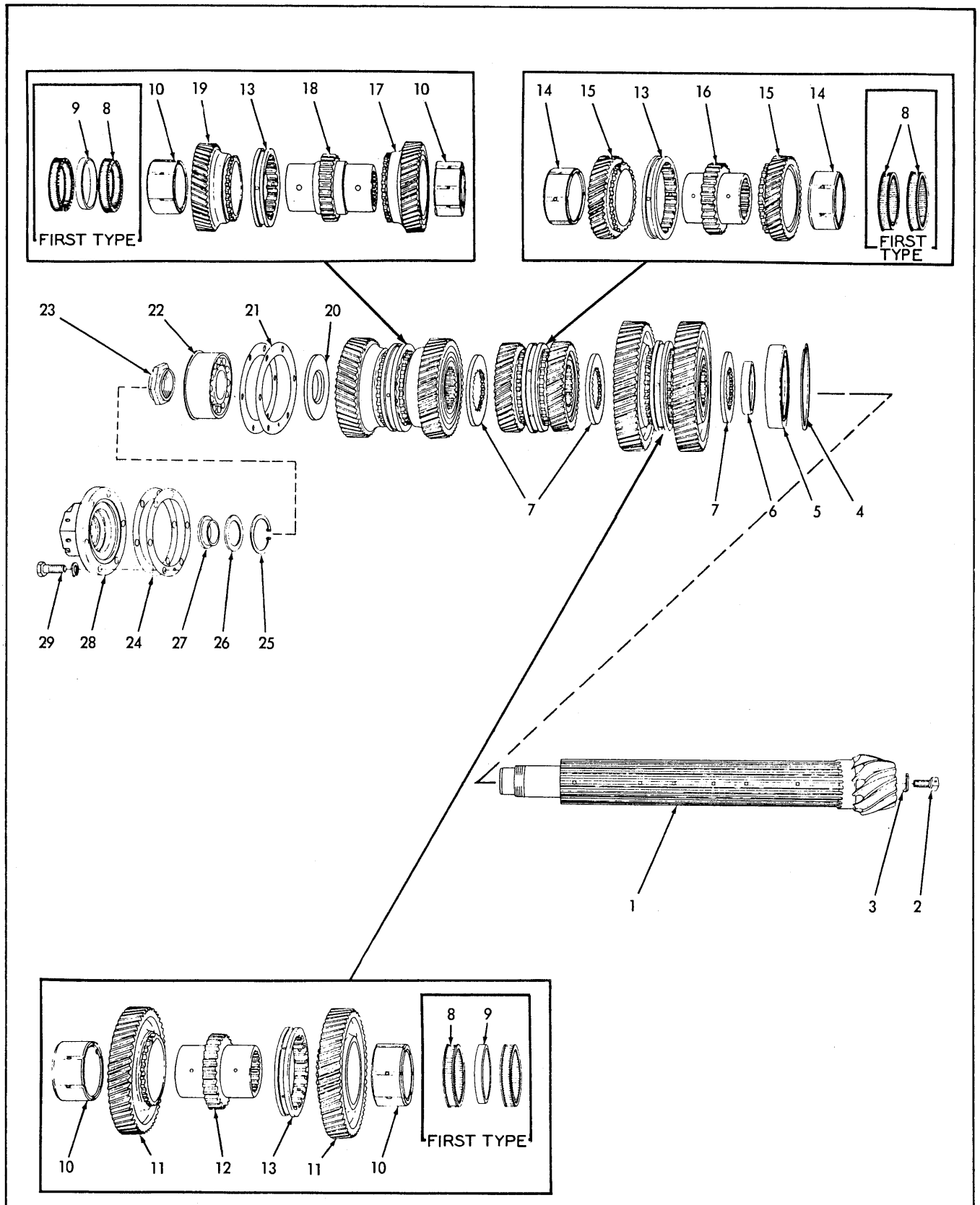
ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70095784	1	-	PINION, bevel (14 teeth)(Used prior to tractor #4834)
	70095544	1	-	PINION, bevel (12 teeth)(Effective with tractor #4834)
	70098961	-	1	PINION, bevel (12 teeth)
2	70098996	-	1	PLUG, pinion oil hole
3	70098997	-	1	LOCK, pinion plug
4	70059589	1	1	RING, snap, rear bearing
5	70059328	1	1	BEARING, roller, rear
6	70069427	1	1	SPACER, rear bearing
7	70069386	2	2	WASHER, gear retaining
8	70069381	8	-	BEARING, roller, pinion shaft gears
9	70069450	2	-	SPACER, gear bearings (5/8" wide)
10	70075398	2	-	SPACER, gear bearings (7/32" wide)
11	70623334	-	2	BUSHING, 1st speed gear
12	70081202	2	2	GEAR, 1st reverse and 1st speed (51 teeth)
13	70069400	2	-	COLLAR, shifting
	70099898	-	2	COLLAR, shifting (7/16" groove)(Original equipment)
	70650745	-	2	COLLAR, shifting (5/8" groove)(Service replacement transmission)
14	70069453	1	-	HUB, 1st reverse and 1st speed gear
	70098957	-	1	HUB, 1st reverse and 1st speed gears
15	70623338	-	2	BUSHING, 2nd speed gear
16	70081200	2	2	GEAR, 2nd reverse and 2nd speed (48 teeth)
17	70081199	1	-	HUB, 2nd reverse and 2nd speed gears
	70098956	-	1	HUB, 2nd reverse and 2nd speed gears
18	70074824	1	1	WASHER, gear retaining
19	70069382	2	-	BEARING, roller, 3rd speed gear
20	70623667	-	1	BUSHING, 3rd speed gear
21	70081201	1	1	GEAR, 3rd speed (35 teeth)
22	70069243	1	-	COLLAR, shifting, 3rd speed
	70099899	-	1	COLLAR, shifting, 3rd speed (7/16" groove) (Original equipment)
	70647321	-	1	COLLAR, shifting, 3rd speed (5/8" groove) (Service replacement transmission)

(Continued)

TRANSMISSION PINION SHAFT (Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
23	70081267	1	-	HUB, 3rd speed gear
	70098955	-	1	HUB, 3rd speed gear
24	70069447	4	4	SHIM, adjusting, pinion depth (.005" thick. Use as required)
	70069448	6	6	SHIM, adjusting, pinion depth (.010" thick. Use as required)
25	70048698	1	1	BEARING, ball, front (Includes snap ring)
26	70069445	7	7	SHIM, cover adjusting (.007" thick. Use as required)
	70069446	7	7	SHIM, cover adjusting (.005" thick. Use as required)
27	70078862	1	1	NUT, bevel pinion (Also see ODOMETER for special nut)
28	70621445	-	1	RING, snap
29	70621334	-	1	RING, oil sealing, outer
30	70621335	-	1	RING, oil sealing, inner
31	70069366	1	-	COVER, front bearing (Also see ODOMETER for special cover)
	70098923	-	1	COVER, front bearing (Used prior to tractor #5154, excluding #5104) (Also see ODOMETER for special cover)
	70623704	-	1	RETAINER, front bearing (Effective with tractor #5154, including #5104)
32	70035190	6	6	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	6	6	LOCKWASHER, 1/2"

MEMO



TRANSMISSION PINION SHAFT (Tractors without torque converter)

T-30868

TRANSMISSION PINION SHAFT

USAGE: Tractors without torque converter

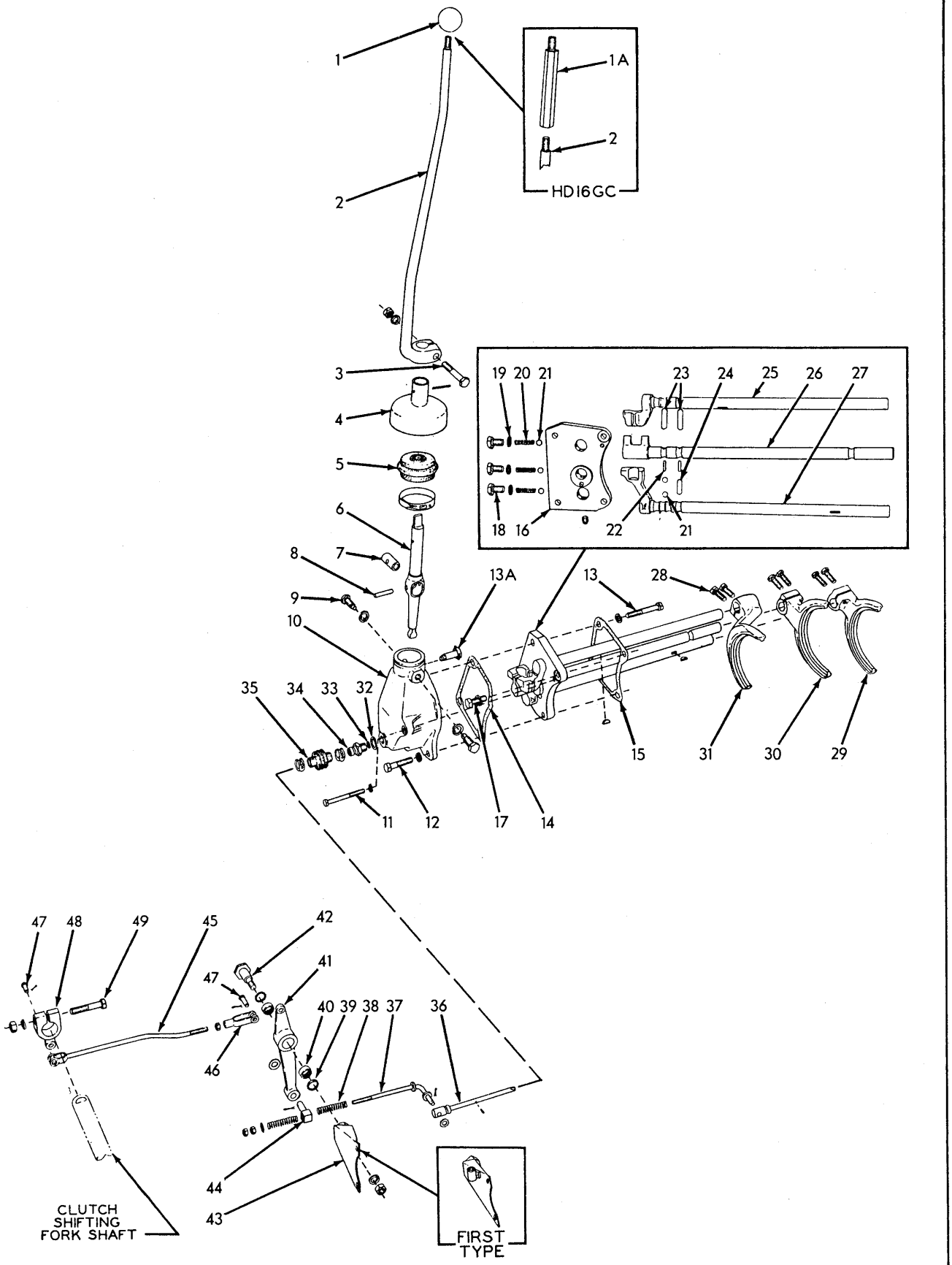
*Tractors prior to serial No. 5043
**Tractors serial No. 5043 and up

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70095804	1	-	PINION, bevel (11 teeth)
	70099074	-	1	PINION, bevel (11 teeth)
2	70098996	-	1	PLUG, pinion oil hole
3	70098997	-	1	LOCK, pinion plug
4	70059589	1	1	RING, snap, rear bearing
5	70059328	1	1	BEARING, roller, rear
6	70069427	1	1	SPACER, rear bearing
7	70069386	3	3	WASHER, gear spacing
8	70069381	12	-	BEARING, roller, pinion shaft gears
9	70069450	4	-	SPACER, gear bearings
10	70623334	-	4	BUSHING, pinion shaft gears (2-7/16" wide)
11	70073777	2	2	GEAR, 1st reverse and 1st and 2nd speed (54 teeth)
12	70069453	1	-	HUB, 1st reverse and 1st and 2nd speed gears
	70098957	-	1	HUB, 1st reverse and 1st and 2nd speed gears
13	70069400	3	-	COLLAR, shifting
	70099898	-	3	COLLAR, shifting (7/16" groove)(Original equipment)
	70650745	-	3	COLLAR, shifting (5/8" groove)(Service replacement transmission)
14	70623337	-	2	BUSHING, pinion shaft gears (1-13/16" wide)
15	70069377	2	2	GEAR, 3rd reverse and 4th and 6th speeds (41 teeth)
16	70069379	1	-	HUB, 3rd reverse and 4th and 6th speed gears
	70099073	-	1	HUB, 3rd reverse and 4th and 6th speed gears
17	70069374	1	1	GEAR, 3rd and 5th speed (48 teeth)
18	70069380	1	-	HUB, 2nd reverse and 3rd and 5th speed gears
	70099060	-	1	HUB, 2nd reverse and 3rd and 5th speed gears
19	70649661	1	1	GEAR, 2nd reverse (48 teeth)
20	70069425	1	1	WASHER, spacing, front bearing
21	70069447	4	4	SHIM, adjusting, pinion depth (.005" thick. Use as required)
	70069448	6	6	SHIM, adjusting, pinion depth (.010" thick. Use as required)

(Continued)

TRANSMISSION PINION SHAFT (Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
22	70048698	1	1	BEARING, ball, front (Includes snap ring)
23	70078862	1	1	NUT, bevel pinion (Also see ODOMETER for special nut)
24	70069445	7	7	SHIM, cover adjusting (.007" thick. Use as required)
	70069446	3	3	SHIM, cover adjusting (.005" thick. Use as required)
25	70621445	-	1	RING, snap
26	70621334	-	1	RING, oil sealing, outer
27	70621335	-	1	RING, oil sealing, inner
28	70069366	1	-	COVER, front bearing (Also see ODOMETER for special cover)
	70098923	-	1	COVER, front bearing (Used prior to tractor #5154)(Also see ODOMETER for special cover)
	70623704	-	1	RETAINER, front bearing (Effective with tractor #5154)
29	70035190	6	6	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	6	6	LOCKWASHER, 1/2"



GEAR SHIFT (First type. Tractors with torque converter)

T-13138

GEAR SHIFT

USAGE: Tractors with torque converters prior to serial No. 5043.

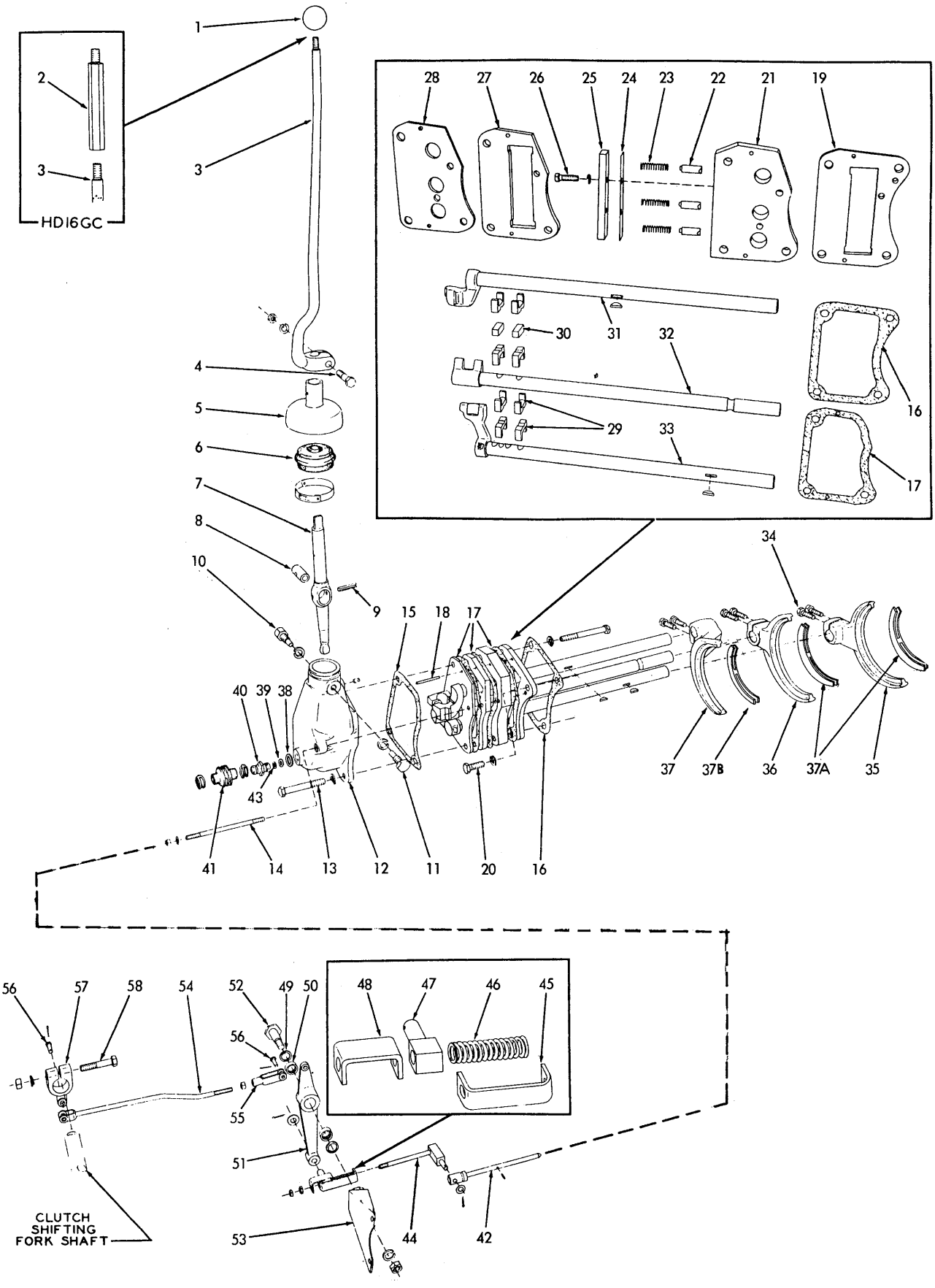
ITEM	PART NO.	QTY.	DESCRIPTION
			NOTE: See FLOOR for shift lever guide plate
1	70091862	1	KNOB, extension lever
1A	70090869	1	EXTENSION, lever (Model HD16GC only)
2	70059332	1	LEVER, extension (For all tractors except those equipped with Bucket Seat)
2	70095220	1	LEVER, extension (For tractors equipped with Bucket Seat)
3	70035892	1	CAPSCREW, 1/2"NF x 2-1/2"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
4	70081343	1	GUARD, shift lever boot
	70915989	1	PIN, roll, 3/16" x 1-3/8"
5	70078742	1	BOOT, shift lever
	70916995	1	CLAMP, hose, 3"I.D.
6	70083615	1	LEVER, shift
7	70622080	1	SHAFT, shift lever pivot
8	70915500	1	PIN, roll, 3/8" x 1-3/4"
9	70621330	2	SCREW, set, shift lever pivot shaft
	70904209	2	LOCKWASHER, 5/8"
10	70089829	1	HOUSING, shift lever (For tractors prior to #1584 also order 1 BREATHER 70051447)
11	70053617	1	CAPSCREW, 3/8"NF x 4-3/4"
	70904206	1	LOCKWASHER, 3/8"
12	70035712	2	CAPSCREW, 1/2"NC x 2-1/4"
13	70061631	1	CAPSCREW, 1/2"NC x 3-1/2"
	70904208	3	LOCKWASHER, 1/2"
13A	70051447	1	BREATHER, shift lever housing (Used on tractors #1584 thru approx. #2726)
13A	70901651	1	PLUG, pipe, 1/8"NPT (Effective with tractor approx. #2727)
14	70085877	1	GASKET, shift lever housing
15	70085878	1	GASKET, gear shift lock plate
16	70083573	1	PLATE, gear shift lock
	70901653	1	PLUG, pipe, 3/8"NPT
17	70035236	1	CAPSCREW, 1/2"NC x 1-3/4"
	70904208	1	LOCKWASHER, 1/2"
18	70035159	3	CAPSCREW, interlock spring (5/8"NC x 1")
19	70049918	3	WASHER, interlock spring capscrew (copper)
20	70096922	3	SPRING, shifting shaft interlock

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
21	70905362	5	BALL, steel, 1/2" diam.
22	70055349	2	PIN, interlock (1/4" x 7/8")(1 used prior to tractor #914)
23	70905362	6	BALL, steel, 1/2" diam. (Used prior to tractor #2996. 3 less used prior to tractor #914. Order PIN 70096808)
	70096808	2	PIN, interlock (1/2" x 1-1/2")(Effective with tractor #2996)
24	70905362	2	BALL, steel, 1/2" diam. (Used on tractors #915 thru #2995. Order PIN 70096809)
	70096809	1	PIN, interlock (1/2" x 1")(Effective with tractor #2996)
25	70088938	1	SHAFT, shifting fork, upper
	70911233	1	KEY, #11 woodruff, 3/16" x 7/8"
26	70088936	1	SHAFT, shifting fork, center
27	70088934	1	SHAFT, shifting fork, lower
	70911233	1	KEY #11 woodruff, 3/16" x 7/8"
28	70035018	6	CAPSCREW, shifting fork (1/2"NF x 1-1/2")
29	70080867	1	FORK, gear shifting, rear
30	70080882	1	FORK, gear shifting, center
31	70080939	1	FORK, gear shifting, front
32	70050267	1	WASHER, plunger sleeve (copper)
33	70078402	1	WASHER, shifting lock plunger
34	70076846	1	SLEEVE, shifting lock plunger (15/32" hole)(Used prior to tractor #4001)
	70620975	1	SLEEVE, shifting lock plunger (13/32" hole)(Effective with tractor #4001)
35	70080166	1	BOOT, locking plunger
	70916897	2	CLAMP, hose, 1" diam.
36	70083598	1	PLUNGER, shifting lock
	70916146	1	PIN, roll, 3/32" x 1/2"
37	70081529	1	ROD, shifting lock plunger
	70911115	2	WASHER, plain, SAE std., 3/8"
	70900942	1	PIN, cotter, 3/32" x 5/8"
	70911041	2	NUT, 3/8"NF
38	70035910	2	SPRING, plunger rod
39	70052662	2	SEAL, dust, shifting lock lever
40	70052643	2	BEARING, needle, shifting lock lever
41	70081505	1	LEVER, shifting lock
42	70075762	1	STUD, pivot, shifting lock lever
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
43	70091678	1	BRACKET, shifting lock lever (Used prior to tractor #2236)
	70092042	1	BRACKET, shifting lock lever (Effective with tractor #2236)
44	70050265	1	SWIVEL, shifting lock plunger rod
	70910244	1	WASHER, plain, SAE std., 1/2"
	70900805	1	PIN, cotter, 1/8" x 3/4"
45	70081545	1	ROD, shifting lock
	70911041	1	NUT, 3/8"NF
46	70628736	1	YOKE, shifting lock rod
47	70078810	2	PIN, yoke
	70900942	2	PIN, cotter, 3/32" x 5/8"
48	70075760	1	LEVER, shifting lock
49	70035892	1	CAPSCREW, 1/2"NF x 2-1/2"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF



GEAR SHIFT (Second type. Tractors with torque converter)

GEAR SHIFT

USAGE: Tractors with torque converter effective with serial No. 5043.

ITEM	PART NO.	QTY.	DESCRIPTION
			NOTE: See FLOOR for shift lever guide plate
1	70091862	1	KNOB, extension lever
2	70090869	1	EXTENSION, lever (Model HD16GC)
3	70620228	1	LEVER, extension (For Model HD16FC; also Models HD16AC, DC except when equipped with first type Bucket Seat)
	70621376	1	LEVER, extension (For Models HD16AC, DC when equipped with first type Bucket Seat)
	70629730	1	LEVER, extension (Model HD16GC)
4	70035892	1	CAPSCREW, 1/2"NF x 2-1/2"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
5	70081343	1	GUARD, shift lever boot
	70915989	1	PIN, roll, 3/16" x 1-3/8"
6	70078742	1	BOOT, shift lever
	70916995	1	CLAMP, hose, 3"I.D.
7	70083615	1	LEVER, shift
8	70622080	1	SHAFT, shift lever pivot
9	70915500	1	PIN, roll (3/8" x 1-3/4")
10	70620313	1	SCREW, shift lever pivot shaft, outer
	70904209	1	LOCKWASHER, 5/8"
11	70621330	1	SCREW, shift lever pivot shaft, inner
	70904209	1	LOCKWASHER, 5/8"
12	70089829	1	HOUSING, shift lever
	70901651	1	PLUG, pipe, 1/8"NPT
	70910257	1	CAPSCREW, 1/2"NC x 4-3/4"
13	70045253	2	CAPSCREW, 1/2"NC x 3-3/4"
	70904208	3	LOCKWASHER, 1/2"
14	70621262	1	STUD, shift lever housing
	70911041	1	NUT, 3/8"NF
	70904206	1	LOCKWASHER, 3/8"
15	70085877	1	GASKET, shift lever housing
16	70085878	1	GASKET, shaft rear locking plate
17	70620980	3	GASKET, shaft locking plates
18	70620981	2	PIN, dowel, shaft locking plates

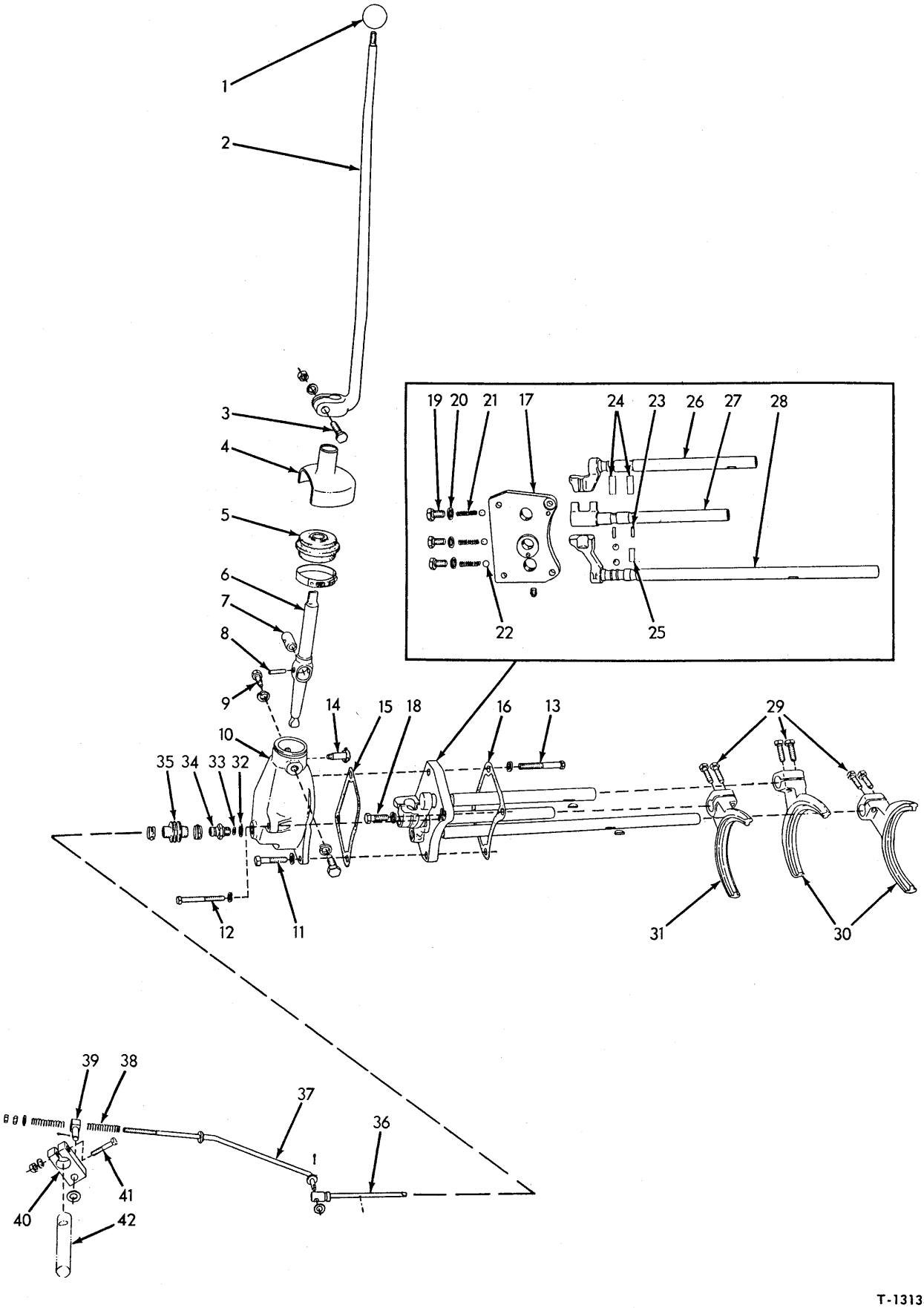
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GEAR SHIFT (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
19	70623902	1	PLATE, shaft locking, rear
20	70035190	1	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	1	LOCKWASHER, 1/2"
21	70623903	1	PLATE, shifting shaft plunger
22	70641356	3	PLUNGER, shifting shaft interlock
23	70096922	3	SPRING, shifting shaft interlock
24	70620974	1	GASKET, plunger retaining bar
25	70620982	1	BAR, plunger retaining
26	70013058	2	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	2	LOCKWASHER, 3/8"
27	70623904	1	PLATE, shaft locking, front
28	70620971	1	PLATE, shaft guiding (Used prior to tractor #5154, excluding #5104)
	70623905	1	PLATE, shaft guiding (Effective with tractor #5154, including #5104)
29	70638953	8	DETENT, shifting shaft interlock
30	70620964	2	BLOCK, spacing, interlock detent
31	70620240	1	SHAFT, shifting fork, upper
	70911233	1	KEY, #11 woodruff, 3/16" x 7/8"
32	70620238	1	SHAFT, shifting fork, center
33	70620242	1	SHAFT, shifting fork, lower
	70911233	1	KEY, #11 woodruff, 3/16" x 7/8"
34	70035018	6	CAPSCREW, shifting fork (1/2"NF x 1-1/2")
35	70080867	1	FORK, gear shifting, rear (Original equipment)
	70650743	1	FORK, gear shifting, rear (Service replacement transmission)
36	70080882	1	FORK, gear shifting, center (Original equipment)
	70650742	1	FORK, gear shifting, center (Service replacement transmission)
37	70080939	1	FORK, gear shifting, front (Original equipment)
	70650741	1	FORK, gear shifting, front (Service replacement transmission)
37A	70667554	2	COLLAR, wear, rear and center shifting forks, (service replacement transmission only)
37B	70667553	1	COLLAR, wear, front shifting fork (Service replacement transmission only)
38	70050267	1	WASHER, plunger sleeve (copper)
39	70078402	1	WASHER, shifting lock plunger
40	70620975	1	SLEEVE, shifting lock plunger (Used prior to tractor #5707)
	70635081	1	SLEEVE, shifting lock plunger (Effective with tractor #5707)
	70651580	1	SLEEVE, shifting lock plunger (Furnished in service replacement transmission only. Also see item 43)
41	70080166	1	BOOT, locking plunger (Used prior to tractor #5707)
	70635082	1	BOOT, locking plunger (Effective with tractor #5707)
	70916897	2	CLAMP, hose, 1" diam.
42	70638094	1	PLUNGER, shifting lock (If for tractors prior to #5707 also order 1 Sleeve 70635081 and 1 O-Ring 70635085)
	70916146	1	PIN, roll, 3/32" x 1/2"

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
43	70923560	1	O-RING, shifting lock plunger (Effective with tractor #5707)
	70651725	1	SEAL, shifting ;lock plunger (Furnished in service replacement transmission only. Also see item 40)
44	70620270	1	ROD, shifting lock plunger
	70911115	1	WASHER, plain, SAE std., 3/8"
	70900942	1	PIN, cotter, 3/32" x 5/8"
	70911048	2	NUT, jam, 3/8"NF
45	70620267	1	BRACKET, plunger rod spring, rear
46	70035910	1	SPRING, plunger rod
47	70050265	1	SWIVEL, shifting lock plunger rod
	70910244	1	WASHER, plain, SAE std., 1/2"
	70900805	1	PIN, cotter, 1/8" x 3/4"
48	70620266	1	BRACKET, plunger rod spring, front
49	70052662	2	SEAL, dust, shifting lock lever
50	70052643	2	BEARING, needle, shifting lock lever
51	70081505	1	LEVER, shifting lock
52	70075762	1	STUD, pivot, shifting lock lever
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
53	70092042	1	BRACKET, shifting lock lever
54	70620243	1	ROD, shifting lock
	70911041	1	NUT, 3/8"NF
55	70628736	1	YOKE, shifting lock rod
56	70078810	2	PIN, yoke
	70900942	2	PIN, cotter, 3/32" x 5/8"
57	70075760	1	LEVER, shifting lock
58	70035892	1	CAPSCREW, 1/2"NF x 2-1/2"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF



SPEED SELECTION GEAR SHIFT (First type. Tractors without torque converter)

SPEED SELECTION GEAR SHIFT

USAGE: Tractors without torque converter prior to serial No. 5043

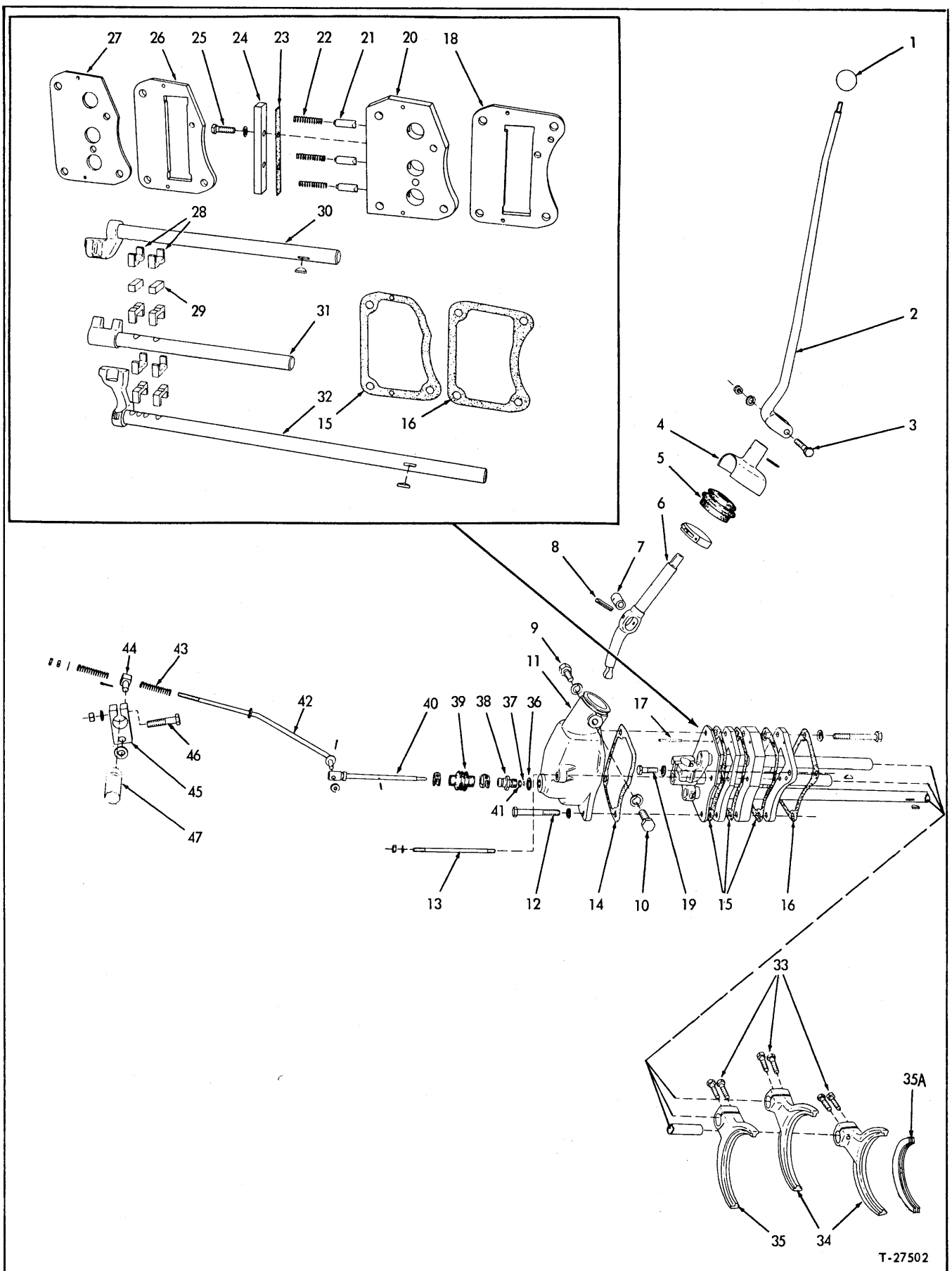
ITEM	PART NO.	QTY.	DESCRIPTION
			NOTE: See FLOOR for shift lever guide plate
1	70091862	1	KNOB, extension lever
2	70059332	1	LEVER, extension (For all tractors except those equipped with Bucket Seat)
	70096028	1	LEVER, extension (For tractors equipped with Bucket Seat)
3	70035892	1	CAPSCREW, 1/2"NF x 2-1/2"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
4	70082067	1	GUARD, shift lever boot
5	70078742	1	BOOT, shift lever
	70916995	1	CLAMP, hose, 3" I.D.
6	70083615	1	LEVER, shift
7	70622080	1	SHAFT, shift lever pivot
8	70915500	1	PIN, roll, 3/8" x 1-3/4"
9	70621330	2	SCREW, set, shift lever pivot shaft
	70904209	2	LOCKWASHER, 5/8"
10	70089829	1	HOUSING, shift lever (For tractors prior to #556 also order 1 GASKET 70085877, 1 CAPSCREW 70035236, 1 CAPSCREW 70053617 and 1 LOCKWASHER 70904206 For tractors prior to #1589 also order 1 BREATHER 70051447)
11	70035712	2	CAPSCREW, 1/2"NC x 2-1/4" } 3 used prior to
	70904208	2	LOCKWASHER, 1/2" } tractor #556
12	70053617	1	CAPSCREW, 3/8"NF x 4-3/4" } Effective with
	70904206	1	LOCKWASHER, 3/8" } tractor #556
13	70061631	1	CAPSCREW, 1/2"NC x 3-1/2"
	70904208	1	LOCKWASHER, 1/2"
14	70051447	1	BREATHER, shift lever housing (Used on tractors #1589 thru approx. #2726)
	70901651	1	PLUG, pipe, 1/8"NPT (Effective with tractor approx. #2727)
15	70085878	1	GASKET, shift lever housing (Used prior to tractor #556)
	70085877	1	GASKET, shift lever housing (Effective with tractor #556)
16	70085878	1	GASKET, gear shift lock plate
17	70083573	1	PLATE, gear shift lock
	70901653	1	PLUG, pipe, 3/8"NPT
18	70035236	1	CAPSCREW, 1/2"NC x 1-3/4" } Effective with
	70904208	1	LOCKWASHER, 1/2" } tractor #556
19	70035159	3	CAPSCREW, interlock spring (5/8"NC x 1")
20	70049918	3	WASHER, interlock spring capscrew (copper)

(Continued)

SPEED SELECTION GEAR SHIFT (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
21	70096922	3	SPRING, shifting shaft interlock
22	70905362	5	BALL, steel, 1/2" diam.
23	70055349	2	PIN, interlock (1/4" x 7/8") (1 used prior to tractor #899)
24	70905362	6	BALL, steel, 1/2" diam. (Used prior to tractor #2997. 3 less used prior to tractor #899. Order PIN 70096808)
	70096808	2	PIN, interlock (1/2" x 1-1/2")(Effective with tractor#2997)
25	70905362	2	BALL, steel, 1/2" diam. (Used on tractors #899 thru #2996. Order PIN 70096809)
	70096809	1	PIN, interlock (1/2" x 1") (Effective with tractor #2997)
26	70088932	1	SHAFT, shifting fork, upper
	70911233	1	KEY, #11 woodruff, 3/16" x 7/8"
27	70088930	1	SHAFT, shifting fork, center
28	70083757	1	SHAFT, shifting fork, lower (Used prior to tractor #899)
	70088940	1	SHAFT, shifting fork, lower (Effective with tractor #899)
	70911233	1	KEY, #11 woodruff, 3/16" x 7/8"
29	70035018	6	CAPSCREW, shifting forks (1/2"NF x 1-1/2")
30	70080867	2	FORK, center and rear
31	70080882	1	FORK, front
32	70050267	1	WASHER, plunger sleeve (copper)
33	70078402	1	WASHER, shifting lock plunger
34	70076846	1	SLEEVE, shifting lock plunger
35	70080166	1	BOOT, locking plunger
	70916897	2	CLAMP, hose, 1" diam.
36	70083598	1	PLUNGER, shifting lock
	70916146	1	PIN, roll, 3/32" x 1/2"
37	70081556	1	ROD, shifting lock plunger
	70911115	2	WASHER, plain, SAE std., 3/8"
	70900942	1	PIN, cotter, 3/32" x 5/8"
	70911041	2	NUT, 3/8"NF
38	70035910	2	SPRING, plunger rod
39	70050265	1	SWIVEL, shifting lock plunger rod
	70910244	1	WASHER, plain, SAE std., 1/2"
	70900805	1	PIN, cotter, 1/8" x 3/4"
40	70050566	1	LEVER, plunger rod operating
41	70035068	1	CAPSCREW, 1/2"NF x 2-1/4"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
42	------	1	SHAFT, operating (See ENGINE CLUTCH CONTROL)

MEMO



SPEED SELECTION GEAR SHIFT (Second type. Tractors without torque converter)

SPEED SELECTION GEAR SHIFT

USAGE: Tractors without torque converter effective with serial No. 5043.

ITEM	PART NO.	QTY.	DESCRIPTION
			NOTE: See FLOOR for shift lever guide plate
1	70091862	1	KNOB, extension lever
2	70620285	1	LEVER, extension (For all tractors except those equipped with first type Bucket Seat)
	70621382	1	LEVER, extension (For tractors equipped with first type Bucket Seat)
3	70035892	1	CAPSCREW, 1/2"NF x 2-1/2"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT 1/2"NF
4	70082067	1	GUARD, shift lever boot
	70915989	1	PIN, roll, 3/16" x 1-3/8"
5	70078742	1	BOOT, shift lever
	70916995	1	CLAMP, hose, 3"I.D.
6	70620284	1	LEVER, shift
7	70622080	1	SHAFT, shift lever pivot
8	70915500	1	PIN, roll, 3/8" x 1-3/4"
9	70620313	1	SCREW, shift lever pivot, right
	70904209	1	LOCKWASHER, 5/8"
10	70621330	1	SCREW, shift lever pivot, left
	70904209	1	LOCKWASHER, 5/8"
11	70620274	1	HOUSING, shift lever
	70910257	1	CAPSCREW, 1/2"NC x 4-3/4"
	70904208	3	LOCKWASHER, 1/2"
12	70045253	2	CAPSCREW, 1/2"NC x 3-3/4"
13	70621262	1	STUD, shift lever housing
	70911041	1	NUT, 3/8"NF
	70904206	1	LOCKWASHER, 3/8"
14	70085877	1	GASKET, shift lever housing
15	70620980	3	GASKET, shaft locking plates
16	70085878	1	GASKET, shaft rear locking plate
17	70620981	2	PIN, dowel, shaft locking plates
18	70623902	1	PLATE, shaft locking, rear
19	70035190	1	CAPSCREW 1/2"NC x 1-1/2"
	70904208	1	LOCKWASHER, 1/2"
20	70623903	1	PLATE, shifting shaft plunger

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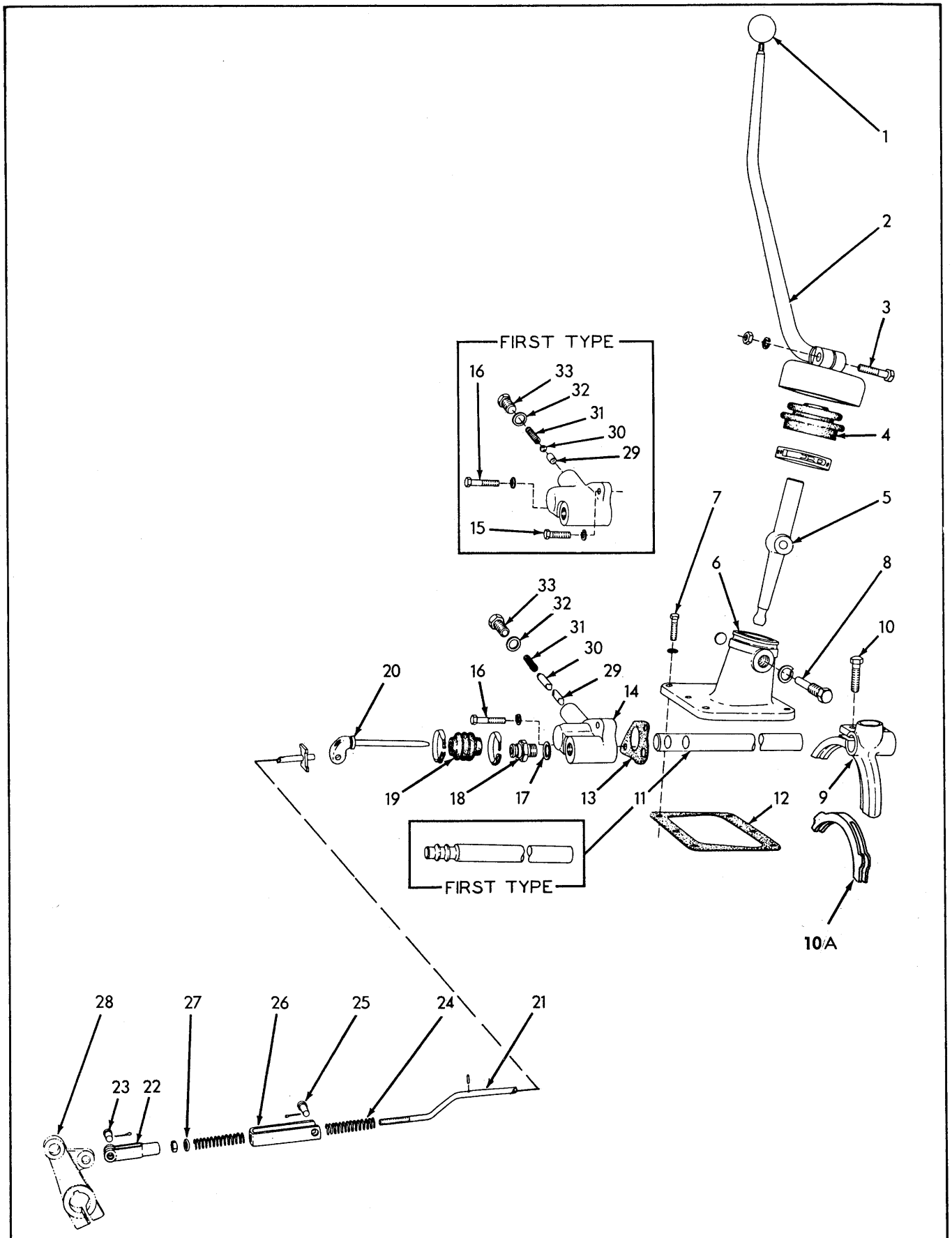
SPEED SELECTION GEAR SHIFT (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
21	70641356	3	PLUNGER, shifting shaft
22	70096922	3	SPRING, shifting shaft interlock
23	70620974	1	GASKET, plunger retaining bar
24	70620982	1	BAR, plunger retaining
25	70013058	2	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	2	LOCKWASHER, 3/8"
26	70623904	1	PLATE, shaft locking, front
27	70620971	1	PLATE, shaft guiding (Used prior to tractor #5154)
	70623905	1	PLATE, shaft guiding (Effective with tractor #5154)
28	70638953	8	DETENT, shifting shaft interlock
29	70620964	2	BLOCK, spacing, interlock detent
30	70620957	1	SHAFT, shifting fork, upper
	70911233	1	KEY, #11 woodruff, 3/16" x 7/8"
31	70620961	1	SHAFT, shifting fork, center
32	70620959	1	SHAFT, shifting fork, lower
	70911233	1	KEY, #11 woodruff, 3/16" x 7/8"
33	70035018	6	CAPSCREW, shifting forks (1/2"NF x 1-1/2")
34	70080867	2	FORK, center and rear (Original equipment)
	70650743	2	FORK, center and rear (Service replacement transmission)
35	70080882	1	FORK, front (Original equipment)
	70650742	1	FORK, front (Service replacement transmission)
35A	70650744	3	COLLAR, wear, shifting fork (Service replacement transmission)
36	70050267	1	WASHER, plunger sleeve (copper)
37	70078402	1	WASHER, shifting lock plunger
38	70620975	1	SLEEVE, shifting lock plunger (Used prior to tractor #5707)
	70635081	1	SLEEVE, shifting lock plunger (Effective with tractor #5707)
	70651580	1	SLEEVE, shifting lock plunger (Furnished in service replacement transmission only. Also see item 41)
39	70080166	1	BOOT, locking plunger (Used prior to tractor #5707)
	70635082	1	BOOT, locking plunger (Effective with tractor #5707)
	70916897	2	CLAMP, hose, 1" diam.
40	70638094	1	PLUNGER, shifting lock (If for tractors prior to #5707 also order 1 Sleeve 70635081 and 1O-Ring ; 70635085)
	70916146	1	PIN, roll, 3/32" x 1/2"
41	70923560	1	O-RING, shifting lock plunger (Effective with tractor #5707)
	70651725	1	SEAL, shifting lock plunger (Furnished in service replacement transmission only. Also see item 38)
42	70621040	1	ROD, shifting lock plunger
	70911115	2	WASHER, plain, SAE std., 3/8"
	70900942	1	PIN, cotter, 3/32" x 5/8"
	70911041	2	NUT, 3/8"NF
43	70035910	2	SPRING, plunger rod
44	70050265	1	SWIVEL, shifting lock plunger rod
	70910244	1	WASHER, plain, SAE std., 1/2"
	70900805	1	PIN, cotter, 1/8" x 3/4"

(Continued)

SPEED SELECTION GEAR SHIFT (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
45	70050566	1	LEVER, plunger rod operating
46	70035068	1	CAPSCREW, 1/2"NF x 2-1/4"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
47	--------	1	SHAFT, operating (See ENGINE CLUTCH CONTROL)



FORWARD HIGH-LOW GEAR SHIFT (Tractors without torque converter)

T-30910

FORWARD HIGH-LOW GEAR SHIFT

USAGE: Tractors without torque converter

*Tractors prior to serial No. 5043
**Tractors serial No. 5043 and up

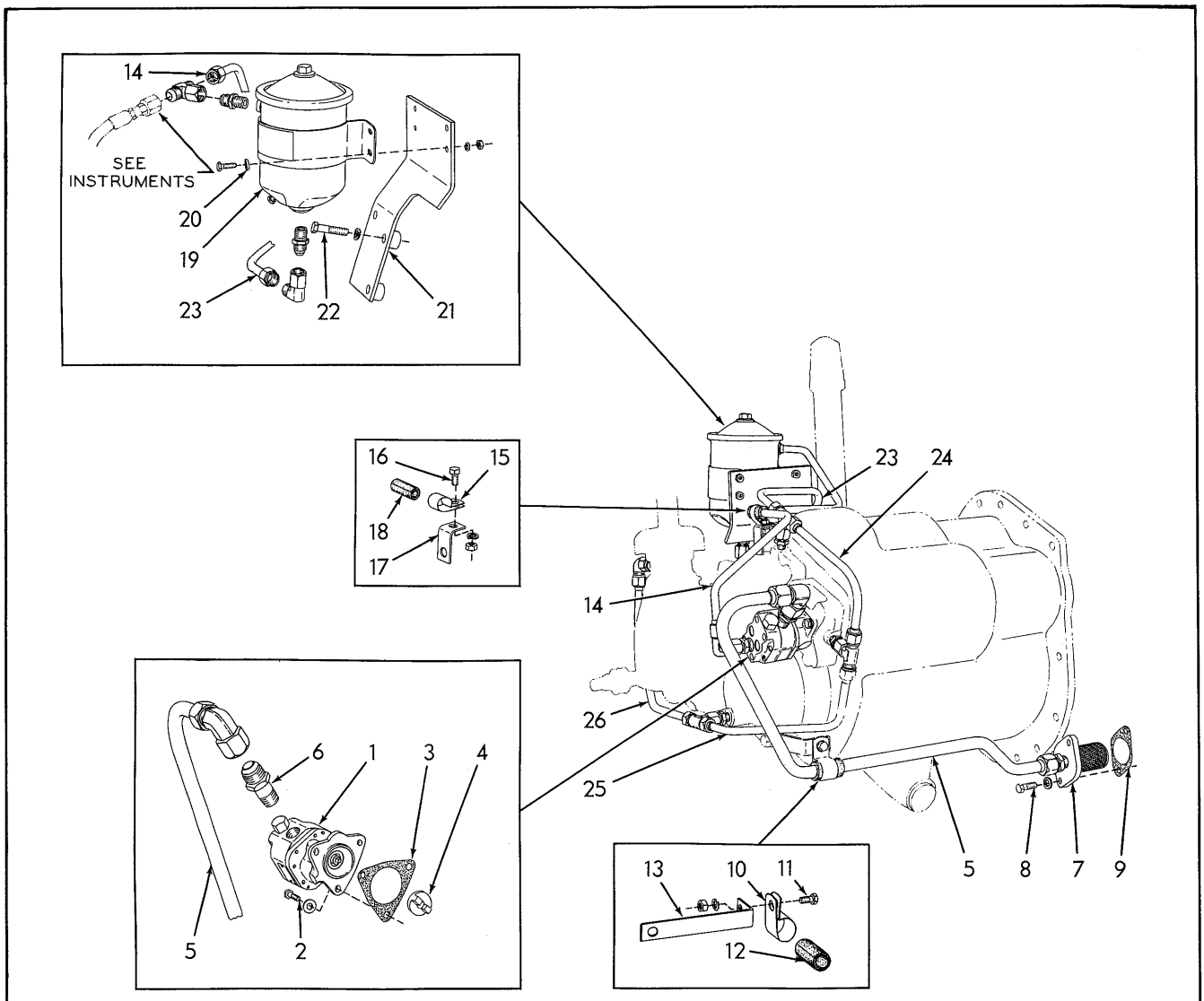
ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70091862	1	1	KNOB, extension lever
2	70083866	1	1	LEVER, extension (For all tractors except those equipped with first type Bucket Seat)
	70095194	1	1	LEVER, extension (For tractors equipped with first type Bucket Seat)
3	70035068	1	1	CAPSCREW, 1/2"NF x 2-1/4"
	70904208	1	1	LOCKWASHER, 1/2"
	70911043	1	1	NUT, 1/2"NF
4	70078742	1	1	BOOT, shift lever
	70916995	1	1	CLAMP, hose, 3" I. D.
5	70069339	1	1	LEVER, shift
6	70069477	1	1	HOUSING ASSY. (Includes 1 Plug 70910002)
	70910002	1	1	PLUG, expansion, 3/4" diam.
7	70013058	6	6	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	6	6	LOCKWASHER, 3/8"
8	70621331	1	1	SCREW, pivot, shift lever
	70904209	1	1	LOCKWASHER, 5/8"
9	70080943	1	1	FORK, shifting (Original equipment)
	70646256	1	1	FORK, shifting (Furnished in service replacement transmission only. Used with item 10A)
10	70035018	2	2	CAPSCREW, 1/2"NF x 1-1/2"
10A	70667553	1	1	COLLAR, wear, shifting fork (Furnished in service replacement transmission only)
11	70081285	1	-	SHAFT, shifting fork
	70620968	-	1	SHAFT, shifting fork
12	70057407	1	1	GASKET, housing to case
13	70069468	1	1	GASKET, interlock housing
14	70069404	1	-	HOUSING, gear shift interlock
	70643046	-	1	HOUSING, gear shift interlock
15	70013058	1	-	CAPSCREW, 3/8"NC x 1-1/4"
16	70053616	1	2	CAPSCREW, 3/8"NC x 1-3/4"
	70904206	2	2	LOCKWASHER, 3/8"
17	70050267	1	1	WASHER, plunger sleeve (copper)
18	70076846	1	-	SLEEVE, shifting lock plunger (15/32" hole)
	70620975	-	1	SLEEVE, shifting lock plunger (13/32" hole)
19	70080166	1	1	BOOT, locking plunger
	70916897	2	2	CLAMP, hose, 1" diam.
20	70076840	1	1	PLUNGER, shifting lock
21	70081514	1	1	ROD, shifting lock plunger
	70916202	1	1	PIN, roll, 1/8" x 7/8"
	70911041	1	1	NUT, 3/8"NF
22	70628736	1	1	YOKE, shifting lock plunger
23	70078810	1	1	PIN, yoke
	70900942	1	1	PIN, cotter, 3/32" x 5/8"
24	70035910	2	2	SPRING, plunger rod

(Continued)

FORWARD HIGH-LOW GEAR SHIFT (Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
25	70082875	1	1	PIN, plunger rod yoke
	70900942	1	1	PIN, cotter, 3/32" x 5/8"
26	70078967	1	1	YOKE, plunger rod (4-1/4" long)
27	70044973	1	1	WASHER, plunger rod
28	--------	1	1	LEVER ASSY., (See ENGINE CLUTCH CONTROL)
29	70905362	2	-	BALL, steel, 1/2" diam. (Used prior to tractor #2997)
	70096809	1	-	PIN, interlock (Effective with tractor #2997)
	--------	-	1	PIN, interlock (Original equipment)(Order Pin 70643040 and Plunger 70643042)
	70643040	-	1	PIN, interlock (Service replacement only)
30	70905362	1	-	BALL, steel, 1/2" diam.
	70641356	-	1	PLUNGER, shaft locating (Original equipment)
	70643042	-	1	PLUNGER, shaft locating (Service replacement only)
31	70096922	1	1	SPRING, shifting shaft interlock
32	70049918	1	1	WASHER, interlock spring capscrew (copper)
33	70035159	1	1	CAPSCREW, interlock spring (5/8" NC x 1")

MEMO



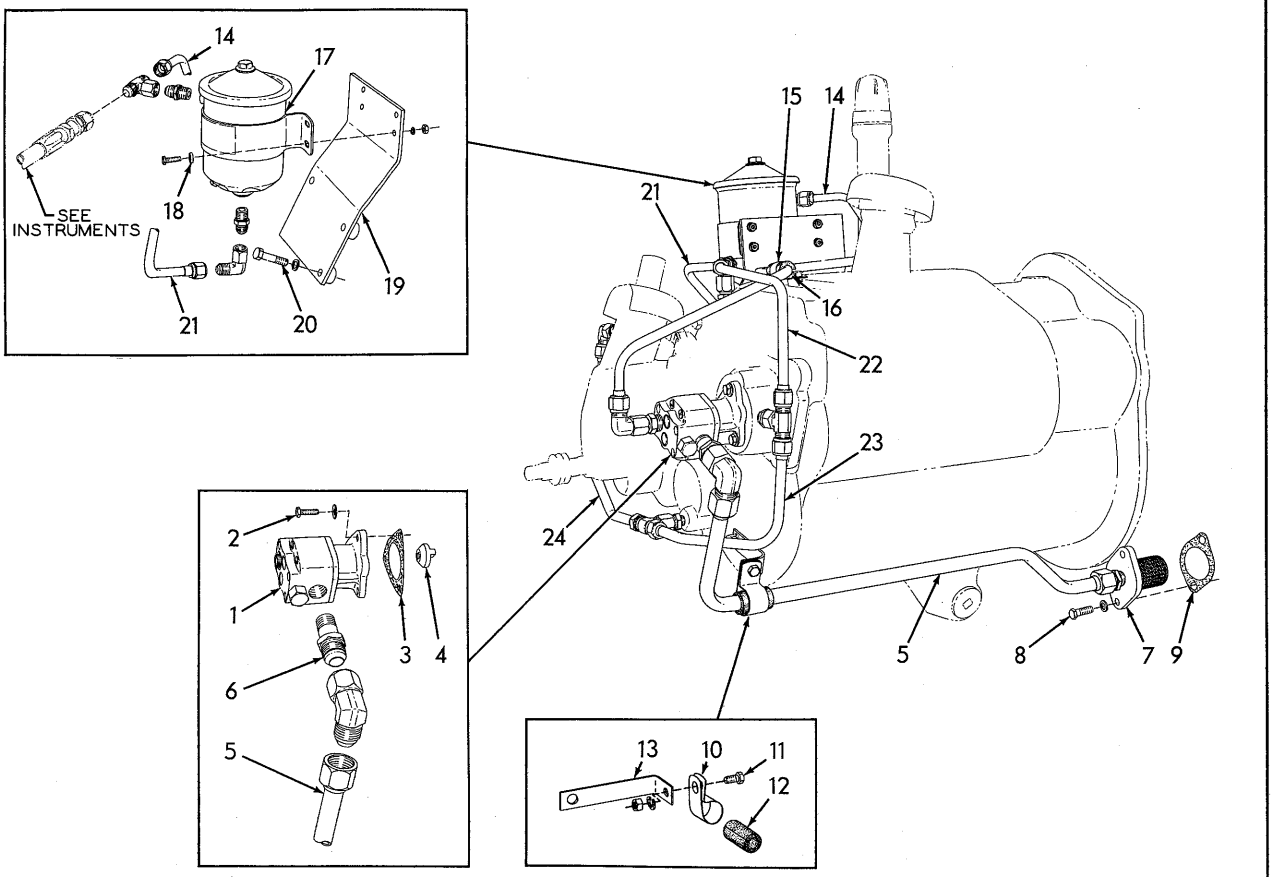
TRANSMISSION OILING SYSTEM

USAGE: Tractors with torque converter. Applicable only to tractors serial No. 5043 thru No. 5153, excluding No. 5104

ITEM	PART NO.	QTY.	DESCRIPTION
1	70623316	1	PUMP ASSEMBLY (See page 315 for parts)
2	70054130	3	CAPSCREW, 5/16"NC x 7/8"
	70917330	3	WASHER, plain, copper, 5/16"
3	74376605	1	GASKET, oil pump
4	70099005	1	COUPLING, pump drive
5	70623311	1	TUBE ASSEMBLY, suction (Includes nuts)
	70919615	1	CONNECTOR, flare type, 3/4" tube, 1/2"NPT male
	70919624	1	ELBOW, flare type, swivel nut, 3/4" tube
6	70623310	1	CONNECTOR, suction tube (pump end)

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
7	70098940	1	SCREEN, oil
8	70012992	2	CAPSCREW, 3/8"NF x 1-1/4"
	70917264	2	WASHER, plain, copper, 3/8"
9	70098941	1	GASKET, oil screen
10	70054034	1	CLIP, suction tube
11	70036032	1	CAPSCREW, 3/8"NF x 3/4"
	70904206	1	LOCKWASHER, 3/8"
	70911041	1	NUT, 3/8"NF
12	70097611	1	BOOT, protecting, suction tube (rubber)
13	70621215	1	ANGLE, suction tube supporting
14	70623312	1	TUBE ASSEMBLY, pump to filter (Includes nuts)
	70921279	1	ELBOW, flare type, swivel nut, 1/2" tube
	70921276	1	TEE, flare type, swivel nut, 1/2" tube
	70919128	1	CONNECTOR, flare type, 1/2" tube, 1/2"NPT male
	70919063	1	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
15	70097534	1	CLIP, tube supporting
16	70036032	1	CAPSCREW, 3/8"NF x 3/4"
	70904206	1	LOCKWASHER, 3/8"
	70911041	1	NUT, 3/8"NF
17	70623309	1	ANGLE, tube supporting clip
18	70093752	1	BOOT, tube protecting (rubber)
19	70623609	1	FILTER ASSEMBLY(See page 317 for parts)
	70912327	4	CAPSCREW, 1/4"NC x 7/8"
20	70092635	4	WASHER, plain
	70904204	4	LOCKWASHER, 1/4"
	70911024	4	NUT, 1/4"NC
21	70098938	1	BRACKET, filter mounting
22	70053616	3	CAPSCREW, 3/8"NC x 1-3/4"
	70904206	3	LOCKWASHER, 3/8"
23	70623598	1	TUBE ASSEMBLY, filter to top shaft (Includes nuts)
	70921279	1	ELBOW, flare type, swivel nut, 1/2" tube
	70919063	1	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
	70921276	1	TEE, flare type, swivel nut, 1/2" tube
	70623188	1	CONNECTOR, flare type, restricted, 1/2" tube, 1/4"NPT male
24	70623599	1	TUBE ASSEMBLY, top shaft to reverse shaft (Includes nuts)
	70921276	1	TEE, flare type, swivel nut, 1/2" tube
	70623188	1	CONNECTOR, flare type, restricted, 1/2" tube, 1/4"NPT male
25	70623601	1	TUBE ASSEMBLY, reverse shaft to pinion shaft (Includes nuts)
	70921276	1	TEE, flare type, swivel nut, 1/2" tube
	70919205	1	CONNECTOR, flare type, 1/2" tube, 1/4"NPT male
26	70623600	1	TUBE ASSEMBLY, pinion shaft to shift housing (Includes nuts)
	70921279	1	ELBOW, flare type, swivel nut, 1/2" tube
	70623188	1	CONNECTOR, flare type, restricted, 1/2" tube, 1/4"NPT male



TRANSMISSION OILING SYSTEM

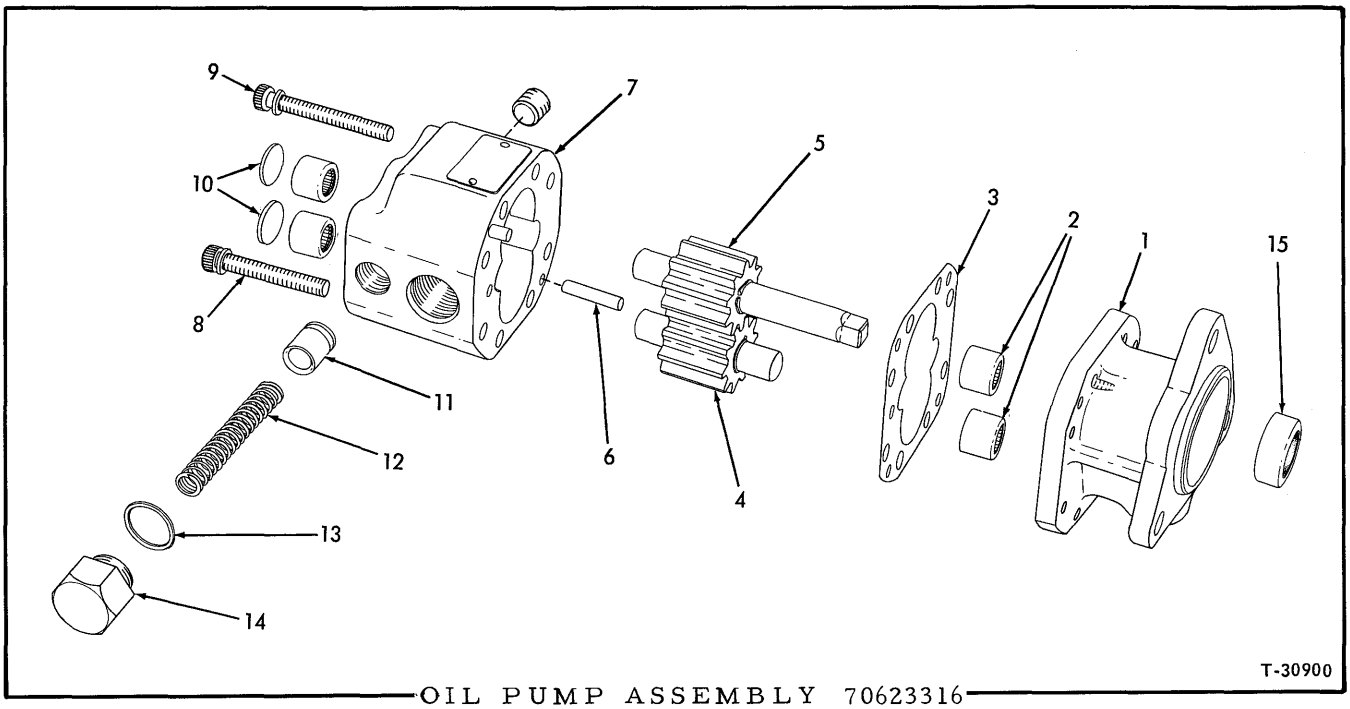
USAGE: Tractors without torque converter. Applicable only to tractors serial No. 5043 thru No. 5153

ITEM	PART NO.	QTY.	DESCRIPTION
1	70623316	1	PUMP ASSEMBLY (See page 315 for parts)
2	70054130	3	CAPSCREW, 5/16"NC x 7/8"
	70917330	3	WASHER, plain, copper, 5/16"
3	74376605	1	GASKET, oil pump
4	70099005	1	COUPLING, pump drive
5	70623321	1	TUBE ASSEMBLY, suction (Includes nuts)
	70919615	1	CONNECTOR, flare type, 3/4" tube, 1/2"NPT male
	70919624	1	ELBOW, flare type, swivel nut, 3/4" tube
6	70623310	1	CONNECTOR, suction tube (pump end)

(Continued)

TRANSMISSION OILING SYSTEM (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
7	70098940	1	SCREEN, oil
8	70012992	2	CAPSCREW, 3/8"NF x 1-1/4"
	70917264	2	WASHER, plain, copper, 3/8"
9	70098941	1	GASKET, oil screen
10	70054034	1	CLIP, suction tube
11	70036032	1	CAPSCREW, 3/8"NF x 3/4"
	70904206	1	LOCKWASHER, 3/8"
	70911041	1	NUT, 3/8"NF
12	70097611	1	BOOT, suction tube (rubber)
13	70623317	1	ANGLE, suction tube supporting
14	70623320	1	TUBE ASSEMBLY, pump to filter (Includes nuts)
	70921279	1	ELBOW, flare type, swivel nut, 1/2"tube
	70921276	1	TEE, flare type, swivel nut, 1/2" tube
	70919128	1	CONNECTOR, flare type, 1/2" tube, 1/2"NPT male
	70919063	1	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
15	70097534	1	CLIP, tube supporting
16	70093752	1	BOOT, tube protecting (rubber)
17	70623609	1	FILTER ASSEMBLY (See page 317 for parts)
	70912327	4	CAPSCREW, 1/4"NC x 7/8"
18	70092635	4	WASHER, plain
	70904204	4	LOCKWASHER, 1/4"
	70911024	4	NUT, 1/4"NC
19	70621937	1	BRACKET, filter mounting
20	70053616	3	CAPSCREW, 3/8"NC x 1-3/4"
	70904206	3	LOCKWASHER, 3/8"
21	70623606	1	TUBE ASSEMBLY, filter to top shaft (Includes nuts)
	70921279	1	ELBOW, flare type, swivel nut, 3/8" tube
	70624826	1	CONNECTOR, flare type, restricted, 1/2" tube, 3/8"NPT male
	70921276	1	TEE, flare type, swivel nut, 1/2" tube
	70623188	1	CONNECTOR, flare type, restricted, 1/2" tube, 1/4"NPT male
22	70623607	1	TUBE ASSEMBLY, top shaft to intermediate shaft (Includes nuts)
	70921276	1	TEE, flared type, swivel nut, 1/2" tube
	70919205	1	CONNECTOR, flare type, 1/2" tube, 1/4"NPT male
23	70623604	1	TUBE ASSEMBLY, intermediate shaft to pinion shaft (Includes nuts)
	70921276	1	TEE, flare type, swivel nut, 1/2" tube
	70919205	1	CONNECTOR, flare type, 1/2" tube, 1/4"NPT male
24	70623605	1	TUBE ASSEMBLY, pinion shaft to shift housing (Includes nuts)
	70921279	1	ELBOW, flare type, swivel nut, 1/2" tube
	70623188	1	CONNECTOR, flare type, restricted, 1/2" tube, 1/4"NPT male

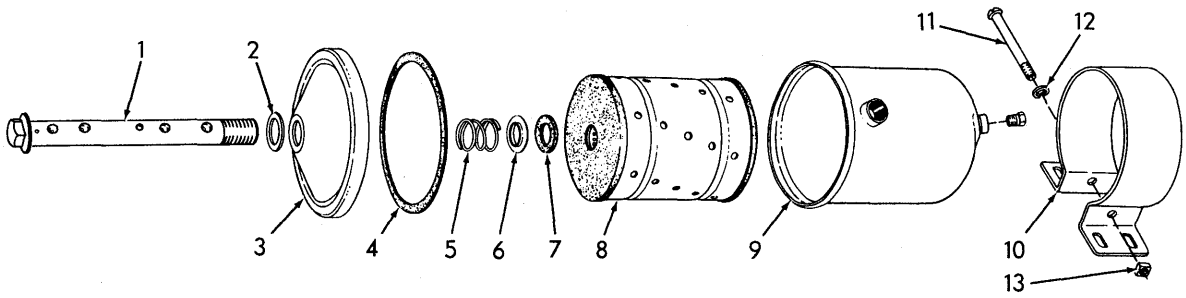


OIL PUMP ASSEMBLY 70623316

USAGE: See pages 310 and 312.

ITEM	PART NO.	QTY.	DESCRIPTION
1	------	1	STATOR (Not serviced separately)
2	70077241	4	BEARING, needle
3	70621363	1	GASKET, pump housing
4	70098394	1	SHAFT ASSEMBLY, idler (Includes gear. Serviced only as a unit)
5	70623845	1	SHAFT ASSEMBLY, driving (Includes gear. Serviced only as a unit)
6	74048000	2	PIN, dowel, pump housing
7	------	1	HOUSING, gear (Not serviced separately)
	70910231	1	PLUG, pipe, hex-socket, 1/8"NPT
8	70622083	4	SCREW ASSEMBLY, short (Includes lockwasher)
9	70623834	4	SCREW ASSEMBLY, long (Includes lockwasher)
10	70092107	2	PLUG, expansion, 11/16" diam.
11	70623835	1	PLUNGER, pressure relief valve
12	70623838	1	SPRING, pressure relief valve
13	70623837	1	GASKET, pressure relief valve cap
14	70623836	1	CAP, pressure relief valve
15	74047783	1	SEAL, oil (Not used on early units)

MEMO

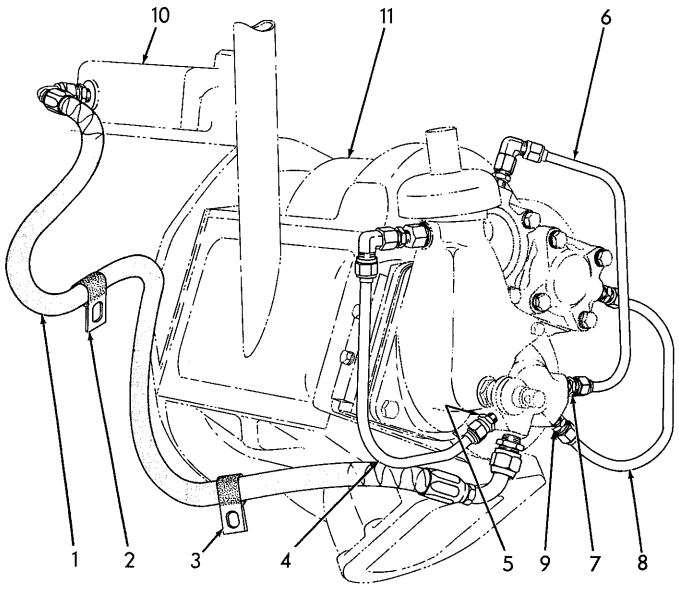


T-27496

OIL FILTER ASSEMBLY 70623609

USAGE: See pages 310 and 312

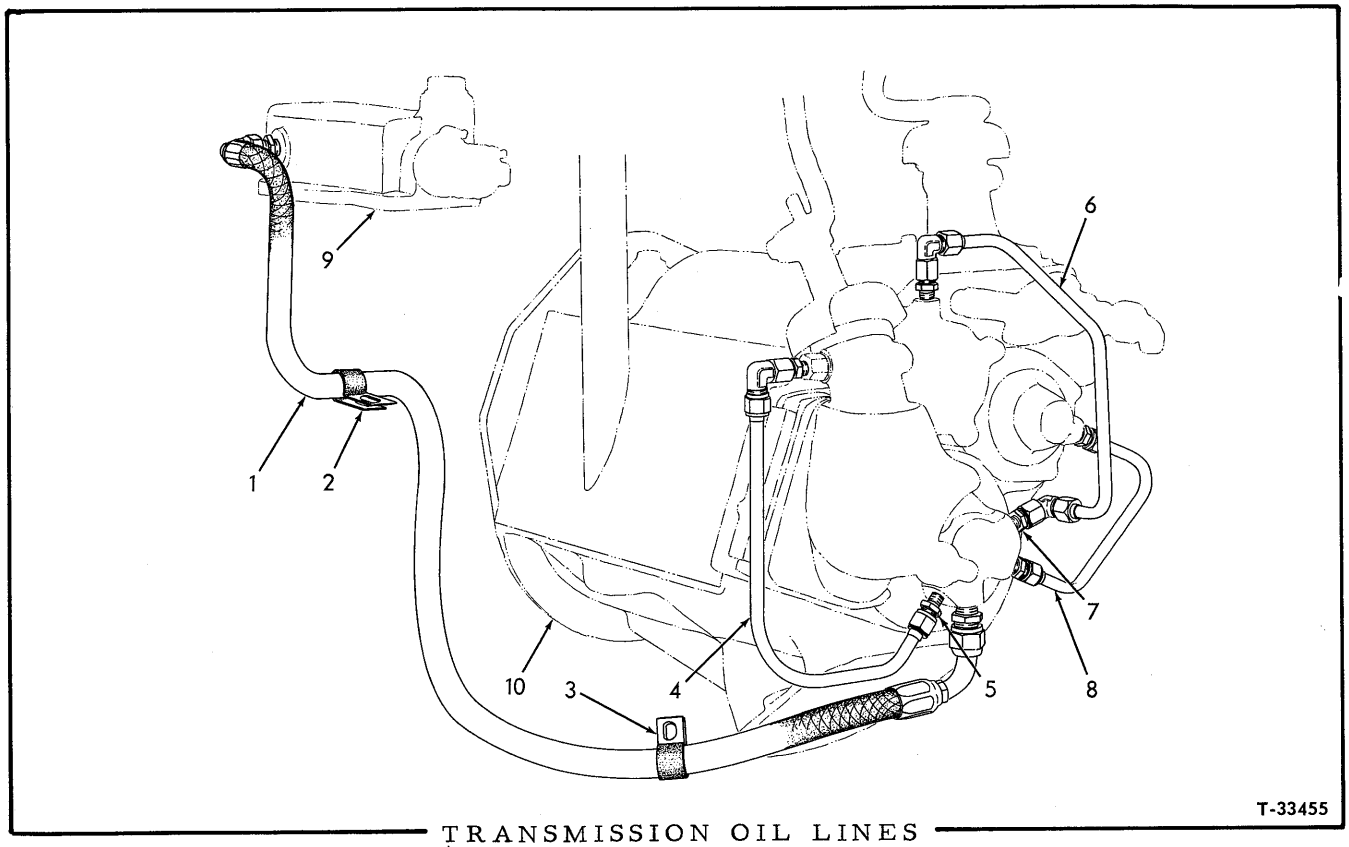
ITEM	PART NO.	QTY.	DESCRIPTION
1	70623608	1	BOLT ASSY. (Includes check valve. Serviced only as a unit)
2	74049469	1	GASKET, cover bolt
3	74049471	1	COVER, filter body
4	74049470	1	GASKET, filter body cover
5	74048793	1	SPRING, cartridge retaining
6	74048794	1	WASHER, cartridge gasket
7	74041209	1	GASKET, cartridge
8	74372517	1	CARTRIDGE ASSY. (Includes items 2, 4 and 7)
9	74049472	1	BODY, oil filter
	70917426	1	PLUG, pipe, hex-hd., 1/8"NPT
10	74506165	1	CLAMP, mounting
11	74371974	1	BOLT, mounting clamp
12	74371973	1	LOCKWASHER
13	74371795	1	NUT



TRANSMISSION OIL LINES

USAGE: Tractors with torque converter effective with serial No. 5154 including No. 5104

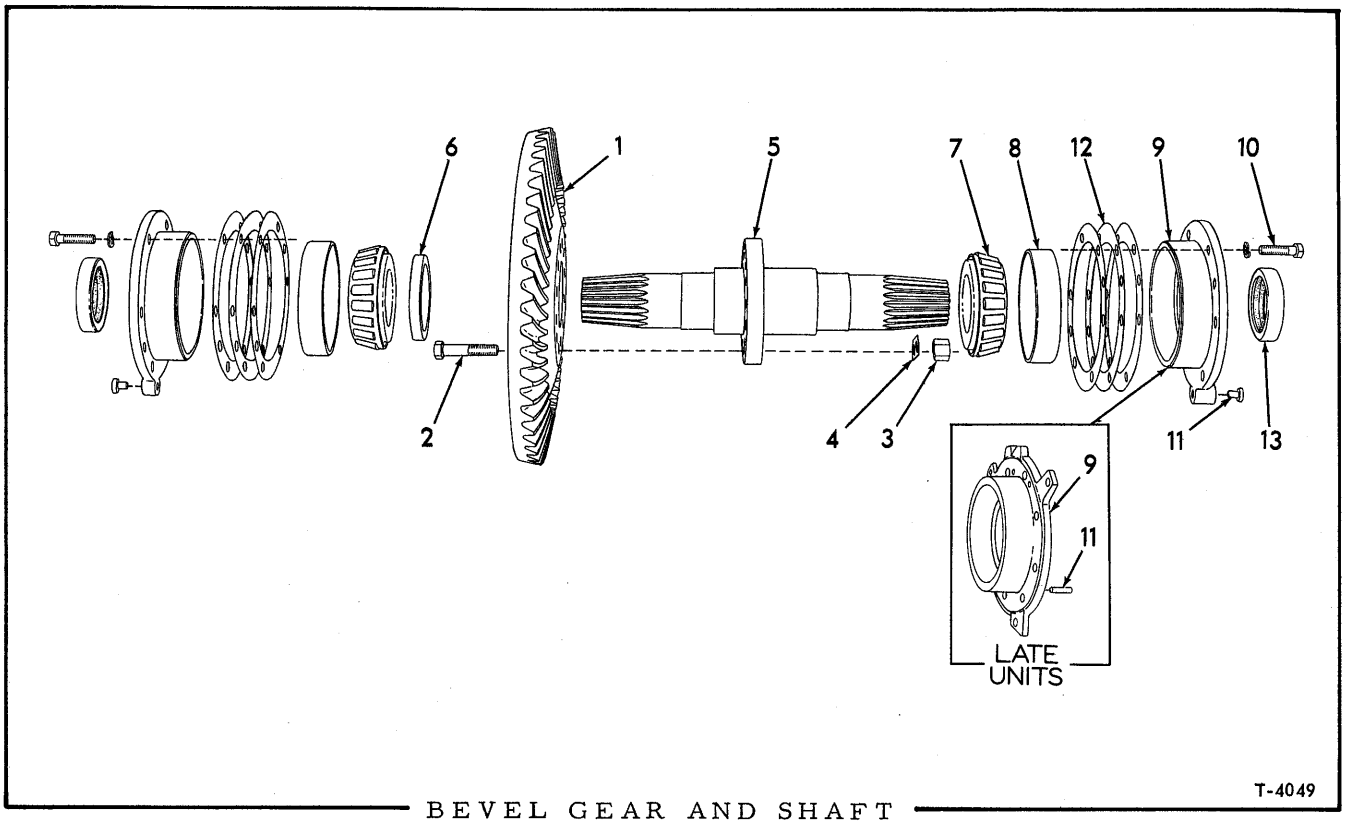
ITEM	PART NO.	QTY.	DESCRIPTION
1	70623833	1	HOSE ASSEMBLY, brake valve to pinion shaft cover (See HOSE PARTS)
	70919615	2	CONNECTOR, flare type, 3/4" tube, 1/2"NPT male
2	70622916	1	CLIP, hose supporting (1-1/16" diam., 17/32" bolt-hole)
3	70621451	1	CLIP, hose supporting (1-1/16" diam., 13/32" bolt-hole)
4	70623831	1	TUBE ASSEMBLY, pinion shaft cover to shift housing (Includes nuts)
	70921279	1	ELBOW, flare type, swivel nut, 1/2" tube
5	70623188	1	CONNECTOR, flare type, restricted, 1/2" tube, 1/4"NPT male
	70919205	1	CONNECTOR, flare type, 1/2" tube, 1/4"NPT male
6	70623830	1	TUBE ASSEMBLY, top shaft to pinion shaft cover (Includes nuts)
	70921279	1	ELBOW, flare type, swivel nut, 1/2" tube
7	70623188	1	CONNECTOR, flare type, restricted, 1/2"tube, 1/4"NPT male
	70919205	1	CONNECTOR, flare type, 1/2" tube, 1/4"NPT male
8	70623705	1	TUBE ASSEMBLY, reverse shaft to pinion shaft cover (Includes nuts)
9	70623188	1	CONNECTOR, flare type, restricted, 1/2" tube, 1/4"NPT male
	70919205	1	CONNECTOR, flare type, 1/2" tube, 1/4"NPT male
10	------	1	VALVE ASSEMBLY, right brake (See HYDRAULIC BRAKES)
11	------	1	TRANSMISSION (See TRANSMISSION ASSEMBLY)



TRANSMISSION OIL LINES

USAGE: Tractors without torque converter effective with serial No. 5154

ITEM	PART NO.	QTY.	DESCRIPTION
1	70623701	1	HOSE ASSEMBLY, brake valve to pinion shaft cover (See HOSE PARTS)
	70919615	2	CONNECTOR, flare type, 3/4" tube, 1/2"NPT male
2	70622916	1	CLIP, hose supporting (1-1/16" diam., 17/32" bolt-hole)
3	70621451	1	CLIP, hose supporting (1-1/16" diam., 13/32" bolt-hole)
4	70623832	1	TUBE, ASSEMBLY, pinion shaft cover to shift housing(Includes nuts)
	70921279	1	ELBOW, flare type, swivel nut, 1/2" tube
5	70623188	1	CONNECTOR, flare type, restricted, 1/2" tube 1/4"NPT male
	70919205	1	CONNECTOR, flare type, 1/2" tube, 1/4"NPT male
6	70623706	1	TUBE ASSEMBLY, top shaft to pinion shaft cover (Includes nuts)
	70921279	2	ELBOW, flare type, swivel nut, 1/2" tube
7	70623188	1	CONNECTOR, flare type, restricted, 1/2" tube, 1/4"NPT male
	70919205	1	CONNECTOR, flare type, 1/2" tube, 1/4"NPT male
8	70623707	1	TUBE ASSEMBLY, intermediate shaft to pinion shaft cover (Includes nuts)
	70919205	2	CONNECTOR, flare type, 1/2" tube, 1/4"NPT male
9	------	1	VALVE ASSEMBLY, right brake (See HYDRAULIC BRAKES)
10	------	1	TRANSMISSION (See TRANSMISSION ASSEMBLY)



BEVEL GEAR AND SHAFT

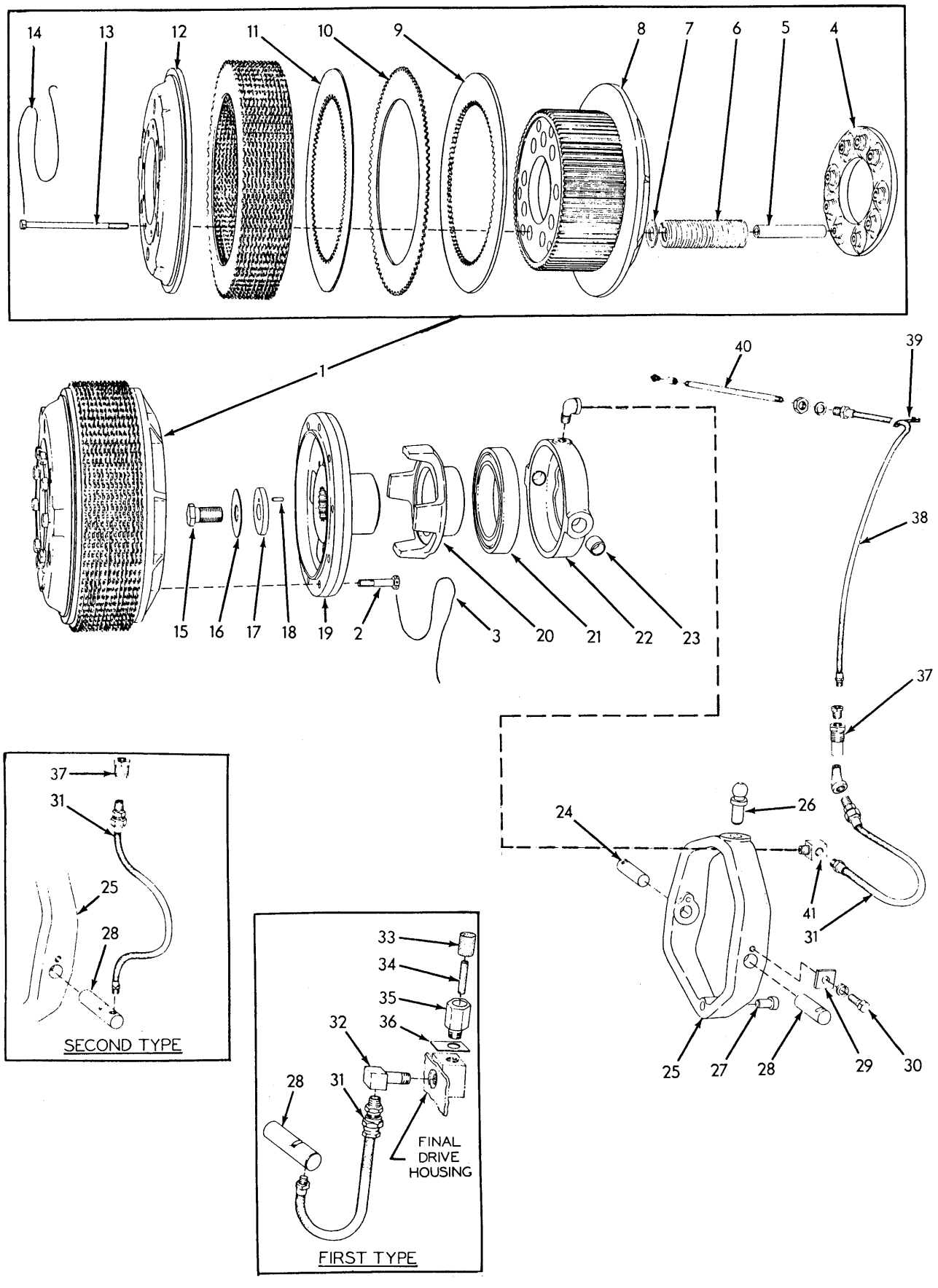
* Tractors prior to serial No. 5154, excluding No. 5104
** Tractors serial No. 5154 and up, including No. 5104

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70059064	1	1	GEAR, bevel (50 teeth, right hand spiral)(Tractors without torque converter)
	70084301	1	-	GEAR, bevel (50 teeth, left hand spiral)(Tractors with torque converter)(Used prior to tractor #4834)
	70095543	1	1	GEAR, bevel (43 teeth, left hand spiral)(Tractors with torque converter)(Effective with tractor #4834)
2	70067680	12	12	BOLT, 5/8"NF x 2-3/4"
3	70072366	12	12	NUT, high, 5/8"NF
4	70067605	6	6	PLATE, locking
5	70058916	1	1	SHAFT, bevel gear
6	70067578	1	1	RING, locking, bevel gear bolts
7	70069579	2	2	CONE ASSEMBLY, shaft bearing
8	70050276	2	2	CUP, shaft bearing
9	70059044	2	-	CAGE ASSEMBLY, bearing (Includes item 11)
	70623930	-	2	CAGE ASSEMBLY, bearing (Includes item 11)
10	70035073	12	12	CAPSCREW, 1/2"NF x 1-3/4"
	70904208	12	12	LOCKWASHER, 1/2"

(Continued)

BEVEL GEAR AND SHAFT (Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
11	70051291	2	-	PIN, wear, bearing retainer
	70623933	-	4	PIN, bearing cage
12	70059026	12	12	SHIM, bearing adjustment (.005" thick. Use as required)
	70059025	10	10	SHIM, bearing adjustment (.007" thick. Use as required)
	70059024	10	10	SHIM, bearing adjustment (.010" thick. Use as required)
13	70629040	2	-	SEAL, oil



STEERING CLUTCHES (First type)

STEERING CLUTCHES

USAGE: Tractors prior to serial No. 5154, excluding No. 5104

* Used prior to tractor serial No. 1002
** Effective with tractor serial No. 1002

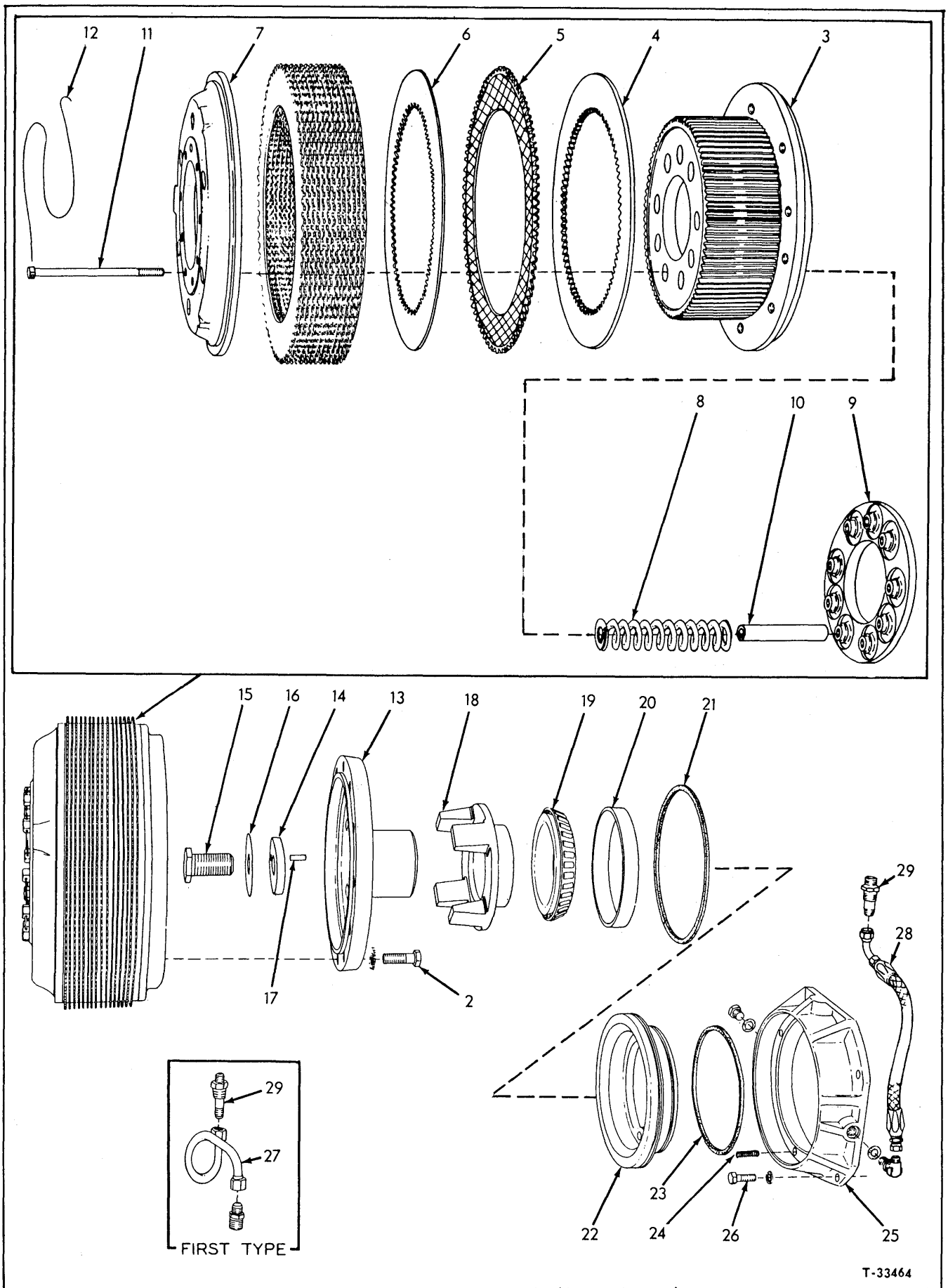
ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70059050	2	2	CLUTCH ASSEMBLY, steering (Consists of items 4 thru 14)(Used prior to tractor #4560, excluding #4534)
	70099297	-	2	CLUTCH ASSEMBLY, steering (Consists of items 4 thru 14) (Effective with tractor #4560, including #4534)
2	70035814	20	20	CAPSCREW, drilled-hd., 1/2"NC x 1-3/4" (Used prior to tractor #4560, excluding #4534)
	70099269	-	20	CAPSCREW, drilled-hd., 5/8"NC x 1-3/4" (Effective with tractor #4560, including #4534)
3	70023633	10	10	WIRE, locking, 1/16" x 12"
4	70059035	2	2	PLATE, throwout
5	70052118	18	18	SPACER, throwout plate
6	70092050	18	18	SPRING, pressure
7	70049105	18	18	WASHER, spring insulating
8	70059036	2	2	HUB, clutch (Used prior to tractor #4560, excluding #4534)
	70099296	-	2	HUB, clutch (Effective with tractor #4560, including #4534)
9	70048209	2	2	PLATE, back
10	70051257	24	24	DISC, friction (bi-metallic)
	70092802	4	4	DISC, friction (bi-metallic, tapered thickness)
11	70623876	28	28	DISC, friction (steel)(Use as required)
12	70059048	2	2	PLATE, pressure
13	70052119	18	18	CAPSCREW, throwout plate (drilled-hd., 1/2"NF x 6-1/2")
14	70023756	6	6	WIRE, locking, 1/16" x 26"
15	70630045	2	2	CAPSCREW, hub retaining (thin-hd., 1"NF x 1-3/4")
16	70630052	2	2	LOCK, hub retaining capscrew
17	70623783	2	2	WASHER ASSEMBLY, hub retaining (Includes item 18)
18	70035793	2	2	PIN, retaining washer
19	70059034	2	2	HUB, driving (Used prior to tractor #4560, excluding #4534)
	70099292	-	2	HUB, driving (Effective with tractor #4560, including #4534)
20	70095649	2	2	SLEEVE, throwout

(Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION	
21	70059177	2	2	BEARING, ball, clutch throwout	
22	70621631	2	2	CAGE ASSEMBLY, throwout bearing (Includes item 23 and PLUG indented below)	
	70901652	2	2	PLUG, pipe, 1/4"NPT (Used prior to tractor #4996) (See item 42)	
23	70051957	4	4	BUSHING, throwout bearing cage	
24	70051958	2	2	PIN, trunnion, throwout yoke, front	
25	70059029	2	2	YOKE ASSEMBLY, throwout (Includes items 26 and 27)	
26	70052062	2	2	BALL, throwout yoke	
27	70050220	2	2	PIN, wear, throwout yoke	
28	70082017	2	-	PIN, trunnion, throwout yoke, rear	
	70088722	-	2	PIN, trunnion, throwout yoke, rear (Used prior to tractor #4996) (See item 42)	
	70051958	-	2	PIN, trunnion, throwout yoke, rear (Effective with tractor #4996)	
29	70052505	4	4	BLOCK, locking, throwout yoke trunnion pin	
30	70035244	4	4	CAPSCREW, 3/8"NC x 3/4"	
	70904206	4	4	LOCKWASHER, 3/8"	
31	70082016	2	2	HOSE, lubricating, throwout bearing, lower (15" long)(Used prior to tractor #4996)(See item 42)	
	70082785	-	2	HOSE, lubricating, throwout bearing, lower (9-3/4" long)(Effective with tractor #4996)	
	70907058	-	2	ELBOW, pipe, 45°, 1/4"NPT	
32	70042538	2	-	ELBOW, lubricating hose	
33	70082726	2	-	WICK, oiling, throwout bearing, upper	
34	70082727	2	-	WICK, oiling, throwout bearing, lower	
35	70075434	2	-	HOLDER, oiling wick	
36	70075432	2	-	LOCK, oiling wick holder	
37	70044622	-	2	BUSHING, hose connecting	Also see item 42
	70901825	-	2	BUSHING, pipe reducing, 1/4"NPT to 1/8"NPT	
38	70088899	-	2	HOSE, lubricating, throwout bearing, upper (29-1/2" long)	
	70915274	-	2	FITTING, lubricating, 45°, 1/8"NPT (For HD16GC only)	
	70904209	-	2	LOCKWASHER, 5/8"	
	70911049	-	2	NUT, jam, 5/8"NF	
39	70048164	-	2	CLIP, hose supporting	
40	70088723	-	2	PIPE, lubricating, throwout bearing (Not for HD16GC)	
	70901763	-	2	COUPLING, pipe, 1/8"NPT	
	70914465	-	2	FITTING, lubricating, straight, 1/8"NPT	

(Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
41	70078926	-	2	ELBOW, lubricating hose (90°, 1/4"NPT male and female) (Effective with tractor #4996)
	70901722	-	2	ELBOW, street, 90°, 1/4"NPT
42	70089301	-	1	LUBRICATION KIT, steering clutch throwout bearing (Consists of two each BUSHING 70044622, CLIP 70048164, HOSE 70082016, PIN 70088722, PIPE 70088723, HOSE 70088899, PLUG 70901652, COUPLING 70901763, BUSHING 70901825, LOCKWASHER 70904209, NUT 70911049 and FITTING 70914465) (Used prior to tractor #4996) (Not illustrated)

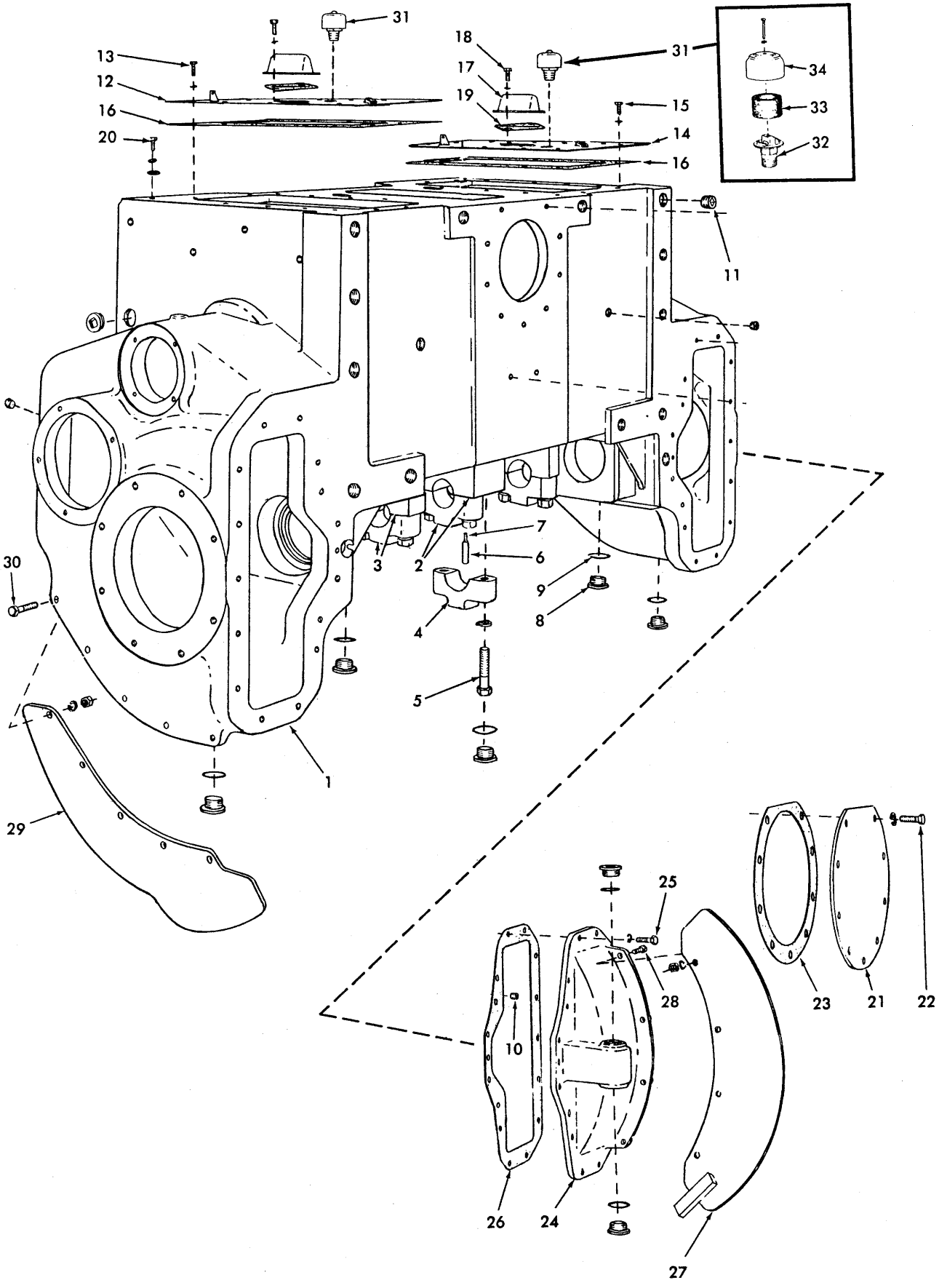


STEERING CLUTCHES (Second type)

STEERING CLUTCHES

USAGE: Tractors serial No. 5154 and up, including No. 5104

ITEM	PART NO.	QTY.	DESCRIPTION
1	70623927	2	CLUTCH ASSEMBLY (Consists of items 3 thru 12)
2	70650813	20	BOLT, self-locking 5/8"NC x 1-7/8"
3	70623715	2	HUB, steering clutch
4	70048209	2	PLATE, back
5	70623877	30	DISC, friction (bimetallic)
6	70623876	30	DISC, friction (steel)(Use as req'd)
7	70059048	2	PLATE, pressure
8	70623878	18	SPRING, pressure
9	70059035	2	PLATE, throwout
10	70623879	18	SPACER, throwout plate
11	70052119	18	CAPSCREW, plate (drilled-hd., 1/2"NF x 6-1/2")
12	70023756	4	WIRE, locking, 1/16" x 26"
13	70623516	2	HUB, driving
14	70623783	2	WASHER ASSEMBLY, hub retaining (Includes item 17)
15	70630045	2	CAPSCREW, thin-hd., 1"NF x 1-3/4"
16	70630052	2	LOCK, capscrew
17	70035793	2	PIN, hub retaining washer
18	70623932	2	SLEEVE, throwout
19	70623007	2	CONE ASSEMBLY, clutch throwout bearing
20	70623008	2	CUP, clutch throwout bearing
21	70623003	2	RING, sealing, actuating piston, outer
22	70623929	2	PISTON, actuating
23	70623004	2	RING, sealing, actuating piston, inner
24	70040475	6	SPRING, throwout bearing ring
25	------	2	RING, collector (Original equipment. Order 1 each RING 70642448, HOSE ASSEMBLY 70642447, PLUG 70921573, ELBOW 70921402)
	70642448	2	RING, collector (Service replacement)
	70921573	2	PLUG, hex-hd., 3/4"NF (Includes O-RING 70921349)
	70921349	2	O-RING, plug sealing
26	70035733	6	CAPSCREW, 1/2"NC x 1-3/8"
	70904208	6	LOCKWASHER, 1/2"
27	70623662	2	TUBE ASSEMBLY, oil pressure (Includes nuts)(Original equipment)
	70919128	2	CONNECTOR, flare type, 1/2" tube, 1/2"NPT male
28	70642447	2	HOSE ASSEMBLY, oil pressure (See HOSE PARTS)(Service replacement)
	70921402	2	ELBOW, adjustable, 90°, flare type, 1/2" tube, 3/4"NF (Includes washer, nut and O-RING 70921349)
	70921349	2	O-RING, elbow sealing
29	70628458	2	UNION, pressure tube



STEERING CLUTCH AND FINAL DRIVE HOUSING (First type)

STEERING CLUTCH AND FINAL DRIVE HOUSING

USAGE: Tractors prior to serial No. 5154, excluding No. 5104

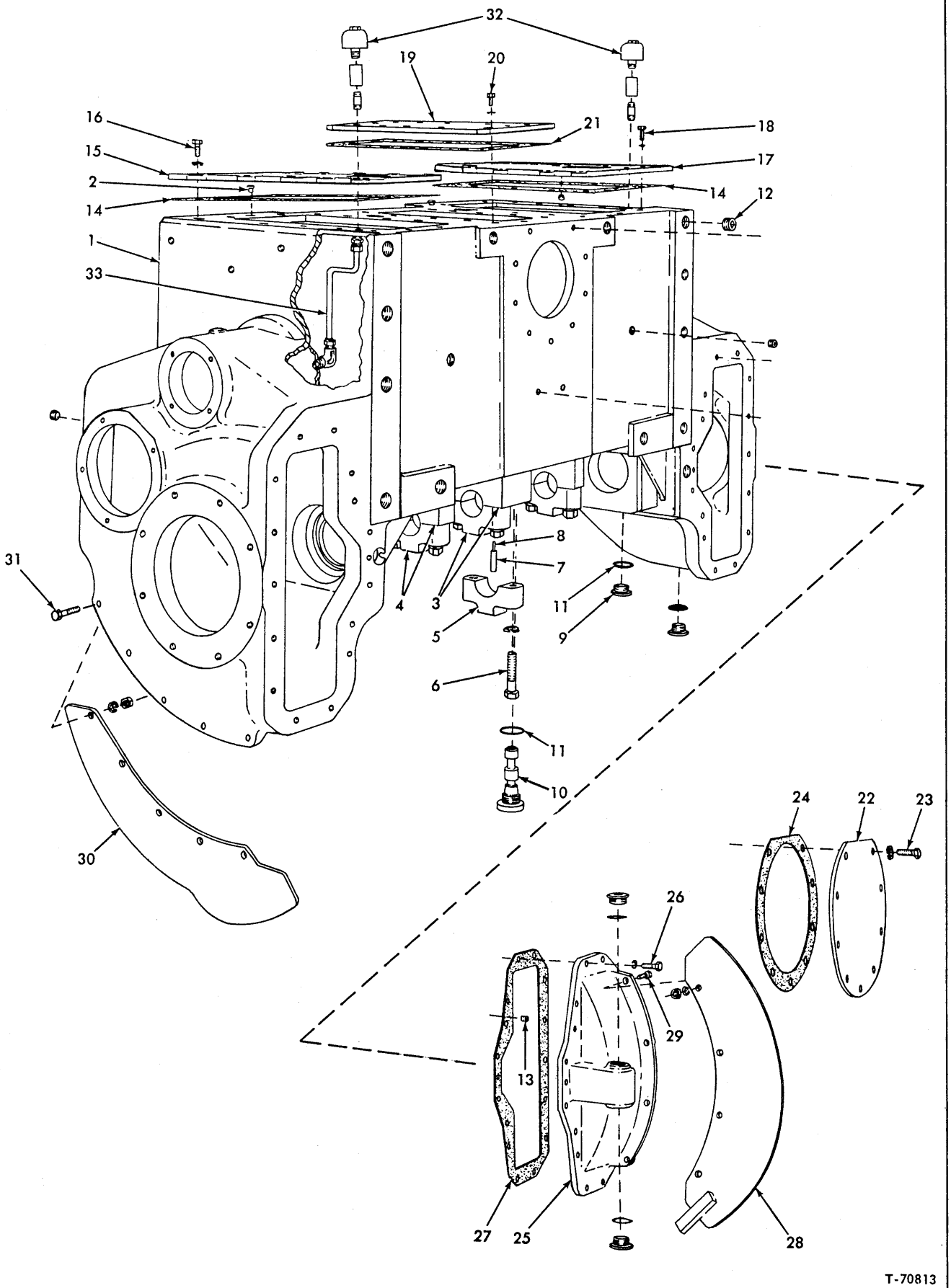
ITEM	PART NO.	QTY.	DESCRIPTION
1	70621311	1	HOUSING ASSY. (Includes items 2 thru 7 and 35 thru 37) (If for tractors prior to #4277 also order 2 BRACKETS 70099420, 2 SHIMS 70099428, 8 CAPSCREWS 70072595 and 8 LOCKWASHERS 70904369. If for tractors prior to #2903, excluding #2894 and #2896, add 2 CAGES 70094115, 4 SHIMS 70094116, 4 SHIMS 70094117, 30 SHIMS 70094118, 10 CAPSCREWS 70035229 and 10 LOCKWASHERS 70904209. If for tractors prior to #2142 add 2 COVERS 70091572 and 2 O-RINGS 70091569. If for tractors prior to #1002 add 2 BUSHINGS 70044622, 2 HOSES 70082016, 2 PINS 70088722, 2 BUSHINGS 70901825 and 2 FITTINGS 70914465)
	70904223	4	PLUG, pipe, ctsk-hd., 1/2"NPT (2 less used prior to tractor #2803)
	70904224	2	PLUG, pipe, ctsk-hd., 3/4"NPT (Used prior to tractor #2735)
	70907070	2	PLUG, pipe, ctsk-hd., 1/4"NPT (Used on tractors #2735 thru #2803)
	70901667	4	PLUG, pipe, ctsk-hd., 1-1/4"NPT
	70901652	2	PLUG, pipe, sq-hd., 1/4"NPT (Used on tractors #1002 thru #2843)
2	70096211	1	CAP ASSEMBLY, truck frame pivot shaft, inner
3	70096212	2	CAP ASSEMBLY, truck frame pivot shaft, outer
			NOTE: Each cap assembly listed above includes items 4 and 5; also upper block which requires welding to housing.
4	70059783	4	CAP, truck frame pivot shaft
5	70012762	8	CAPSCREW, 7/8"NF x 3-1/4"
	70905347	8	LOCKWASHER, 7/8"
6	70076726	2	WICK ASSEMBLY, pivot shaft lubricating (Consists of 1 pin and 1 WICK 70050357) (Also serves as dowel pin for pivot shaft)
7	70050357	2	WICK, pivot shaft lubricating
8	70035250	9	PLUG, filling and drain
9	70035249	9	GASKET, filling and drain plugs
10	70051496	2	PLUG, thread protecting (5/8"NC)
11	70052979	6	PLUG, thread protecting (socket-hd., 1-1/4"NF)
12	70099315	1	COVER, left steering clutch compartment
	70901655	1	PLUG, pipe, 3/4"NPT (Used prior to tractor #4265)
13	70070467	12	CAPSCREW, 1/2"NF x 1"
	70904208	12	LOCKWASHER, 1/2"
14	70099316	1	COVER, right steering clutch compartment
	70901655	1	PLUG, pipe, 3/4"NPT (Used prior to tractor #4265)
15	70070467	12	CAPSCREW, 1/2"NF x 1"
	70904208	12	LOCKWASHER, 1/2"
16	70059324	2	GASKET, steering clutch compartment covers

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
17	70052922	2	COVER, brake band adjuster
18	70070467	4	CAPSCREW, 1/2"NF x 1"
	70904208	4	LOCKWASHER, 1/2"
19	70066596	2	GASKET, brake band adjuster cover
20	70070467	2	CAPSCREW, hole plugging (1/2"NF x 1")(Also attaches battery ground cable)
	70904208	2	LOCKWASHER, 1/2"
	70906961	2	LOCKWASHER, internal teeth, 1/2"
21	70052977	1	COVER, bevel gear compartment (Removed when Power Take-Off is installed)
22	70035392	9	CAPSCREW, 5/8"NC x 1-1/4"
	70904209	9	LOCKWASHER, 5/8"
23	70052976	1	GASKET, bevel gear compartment cover
24	70059314	2	COVER, final drive compartment
25	70035018	32	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	32	LOCKWASHER, 1/2"
26	70059315	2	GASKET, final drive compartment covers
27	70621501	1	GUARD, track sprocket, upper left (Standard type)
	70621502	1	GUARD, track sprocket, upper right (Standard type)
	70646091	1	GUARD, track sprocket, upper left (Special hvy-duty reinforced type)
	70646092	1	GUARD, track sprocket, upper right (Special hvy-duty reinforced type)
			Not for Models HD16FC, GC. See page 335.
28	70035073	8	CAPSCREW, 1/2"NF x 1-3/4"
	70904208	8	LOCKWASHER, 1/2"
	70911043	8	NUT, 1/2"NF
29	70621497	1	GUARD, track sprocket, lower left (Standard type)
	70621498	1	GUARD, track sprocket, lower right (Standard type)
	70621565	1	GUARD, track sprocket, lower left (Special hvy-duty reinforced type)
	70621566	1	GUARD, track sprocket, lower right (Special hvy-duty reinforced type)
			Not for Models HD16FC, GC. See page 335.
30	70035067	10	CAPSCREW, 1/2"NF x 2"
	70904208	10	LOCKWASHER, 1/2"
	70911043	10	NUT, 1/2"NF
31	73002766	2	BREATHER ASSEMBLY, brake compartment (Consists of items 32 thru 34)(Effective with tractors #4265)
32	------	2	BODY, breather (Not serviced separately)
33	73002769	2	ELEMENT, filtering
34	------	2	COVER, breather (Not serviced separately)
	70914172	2	SCREW, machine, #10NF x 1-1/4"
	70904203	2	LOCKWASHER, #10

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION	
			NOTE: Items listed below are furnished with service replacement housing to adapt same to older units without transmission oil pump	
35	70621310	1	PLATE, cover, suction line hole	Not illustrated
36	70012992	2	CAPSCREW, 3/8"NF x 1-1/4"	
	70917264	2	WASHER, copper, 3/8"	
37	70098941	1	GASKET, cover plate	



STEERING CLUTCH AND FINAL DRIVE HOUSING (Second type)

STEERING CLUTCH AND FINAL DRIVE HOUSING

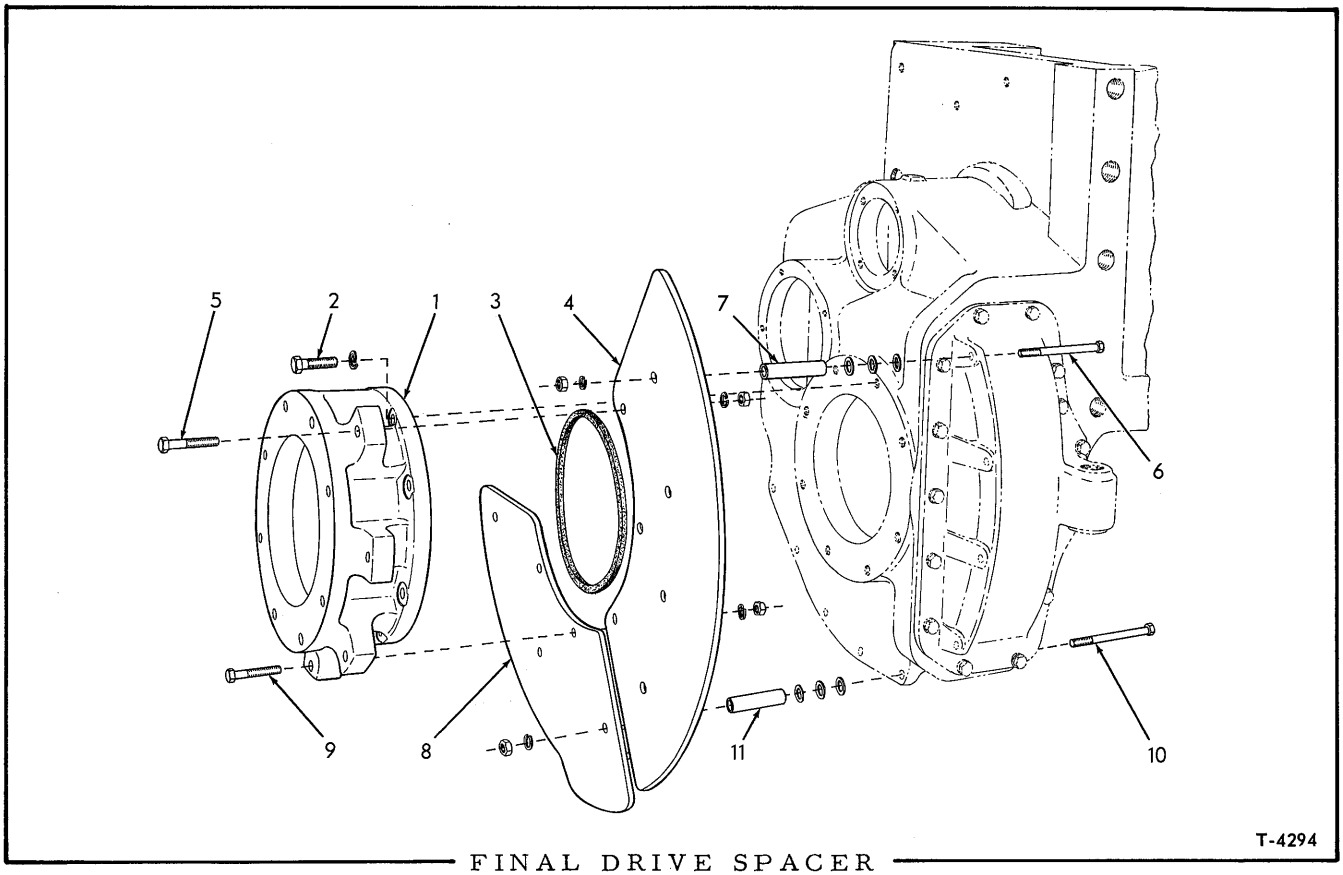
USAGE: Tractors serial No. 5154 and up, including No. 5104

ITEM	PART NO.	QTY.	DESCRIPTION
1	70623901	1	HOUSING ASSEMBLY (Includes items 2 thru 8)
	70904223	4	PLUG, pipe, ctsk-hd., 1/2"NPT
2	70643740	2	PIN, dowel, clutch compartment covers
3	70096211	1	CAP ASSEMBLY, truck frame pivot shaft, inner
4	70096212	2	CAP ASSEMBLY, truck frame pivot shaft, outer
			NOTE: Each cap assembly listed above includes items 5 and 6; also upper block which requires welding to housing
5	70059783	4	CAP, truck frame pivot shaft
6	70012762	8	CAPSCREW, 7/8"NF x 3-1/4"
	70905347	8	LOCKWASHER, 7/8"
7	70076726	2	WICK ASSEMBLY, pivot shaft lubricating (Consists of 1 pin and 1 WICK 70050357)(Also serves as dowel pin for pivot shaft)
8	70050357	2	WICK, pivot shaft lubricating
9	70035250	8	PLUG, filling and drain
10	70067543	1	PLUG, drain (magnetic)
11	70035249	9	GASKET, filling and drain plugs
12	70052979	6	PLUG, thread protecting (socket-hd., 1-1/4"NF)
13	70051496	2	PLUG, thread protecting (5/8"NC)
14	70623636	2	GASKET, clutch compartment covers
15	70623547	1	COVER, clutch compartment, left
16	70035068	9	CAPSCREW, 1/2"NF x 2-1/4"
	70904208	9	LOCKWASHER, 1/2"
17	70623548	1	COVER, clutch compartment, right
	70908944	1	PLUG, pipe, hex-socket, 1/2"NPT
18	70035068	9	CAPSCREW, 1/2"NF x 2-1/4"
	70904208	9	LOCKWASHER, 1/2"
19	70622901	1	COVER, bevel gear compartment, top
20	70035018	12	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	12	LOCKWASHER, 1/2"
21	70622902	1	GASKET, top cover, bevel gear compartment
22	70052977	1	COVER, bevel gear compartment, rear (Removed when Power Take-Off is installed)
23	70921731	9	CAPSCREW, NYLOK, 5/8"NC x 1-1/4"
	70904209	9	LOCKWASHER, 5/8"
24	70052976	1	GASKET, rear bevel gear compartment cover

(Continued)

STEERING CLUTCH AND FINAL DRIVE HOUSING (Continued)

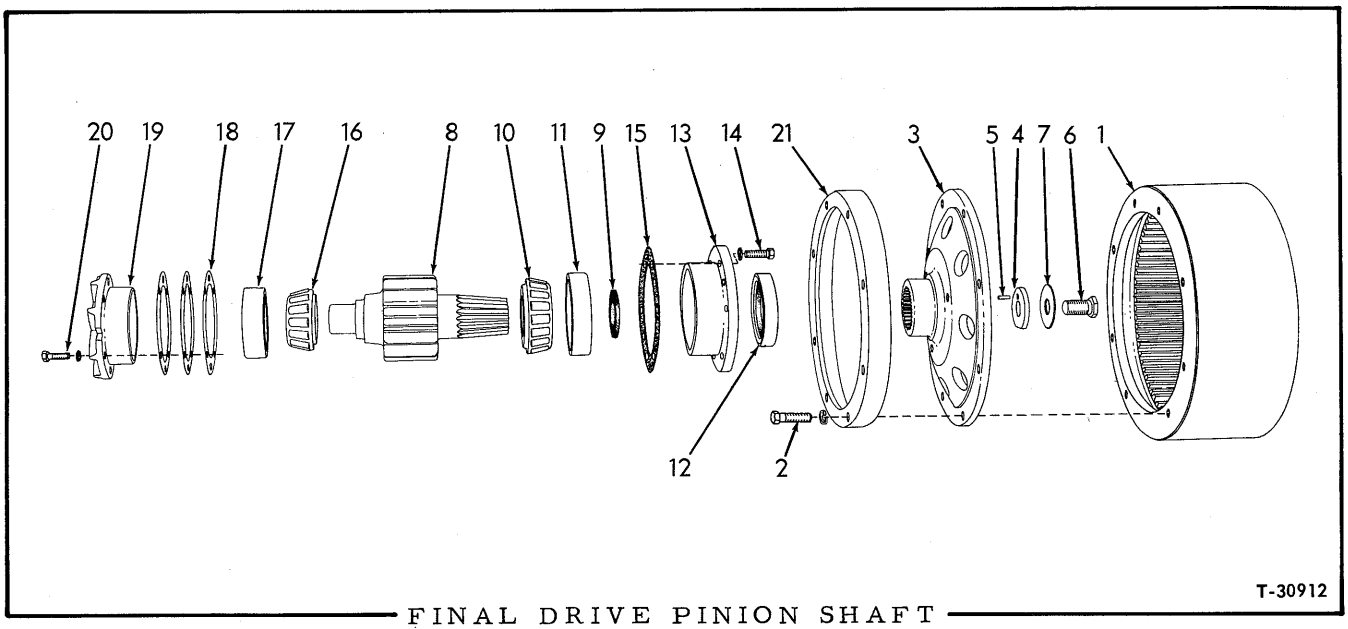
ITEM	PART NO.	QTY.	DESCRIPTION
25	70059314	2	COVER, final drive compartment
26	70035018	32	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	32	LOCKWASHER, 1/2"
27	70059315	2	GASKET, final drive compartment covers
28	70621501	1	GUARD, track sprocket, upper left — Standard type
	70621502	1	GUARD, track sprocket, upper right — Standard type
	70646091	1	GUARD, track sprocket, upper left — Special hvy-duty reinforced type
	70646092	1	GUARD, track sprocket, upper right — Special hvy-duty reinforced type
			Not for Models HD16FC, GC. See page 335
29	70035073	8	CAPSCREW, 1/2"NF x 1-3/4"
	70904208	8	LOCKWASHER, 1/2"
	70911043	8	NUT, 1/2"NF
30	70621497	1	GUARD, track sprocket, lower left — Standard type
	70621498	1	GUARD, track sprocket, lower right — Standard type
	70621565	1	GUARD, track sprocket, lower left — Special hvy-duty reinforced type
	70621566	1	GUARD, track sprocket, lower right — Special hvy-duty reinforced type
			Not for Models HD16FC, GC. See page 335.
31	70035067	10	CAPSCREW, 1/2"NF x 2"
	70904208	10	LOCKWASHER, 1/2"
	70911043	10	NUT, 1/2"NF
32	70050748	2	BREATHER, final drive
	70901765	2	COUPLING, pipe, 3/8"NPT
	70901489	2	NIPPLE, pipe, 3/8"NPT x 1"
33	70623787	2	TUBE ASSEMBLY, final drive breather (Includes nuts)
	70919464	2	ELBOW, flare type, 45°, 1/4" tube, 1/8"NPT male
	70919171	2	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male



FINAL DRIVE SPACER

USAGE: Models HD16FC, GC

ITEM	PART NO.	QTY.	DESCRIPTION
1	70073831	1	SPACER, final drive, left
	70073832	1	SPACER, final drive, right
2	70035229	16	CAPSCREW, 5/8"NF x 2"
	70904209	16	LOCKWASHER, 5/8"
3	70073824	2	GASKET, spacer to housing
4	70621505	1	GUARD, track sprocket, upper left
	70621506	1	GUARD, track sprocket, upper right
5	70035892	6	CAPSCREW, 1/2"NF x 2-1/2"
6	70057984	8	CAPSCREW, 1/2"NF x 5-3/4"
	70904208	14	LOCKWASHER, 1/2"
	70911043	14	NUT, 1/2"NF
	70910244	24	WASHER, plain, SAE std., 1/2"
7	70073823	8	SPACER, upper guard to housing
8	70639171	2	GUARD, track sprocket, lower left
	70639172	2	GUARD, track sprocket, lower right
9	70035892	4	CAPSCREW, 1/2"NF x 2-1/2"
10	70057984	6	CAPSCREW, 1/2"NF x 5-3/4"
	70904208	10	LOCKWASHER, 1/2"
	70911043	10	NUT, 1/2"NF
	70910244	18	WASHER, plain, SAE std., 1/2"
11	70073822	6	SPACER, lower guard to housing



FINAL DRIVE PINION SHAFT

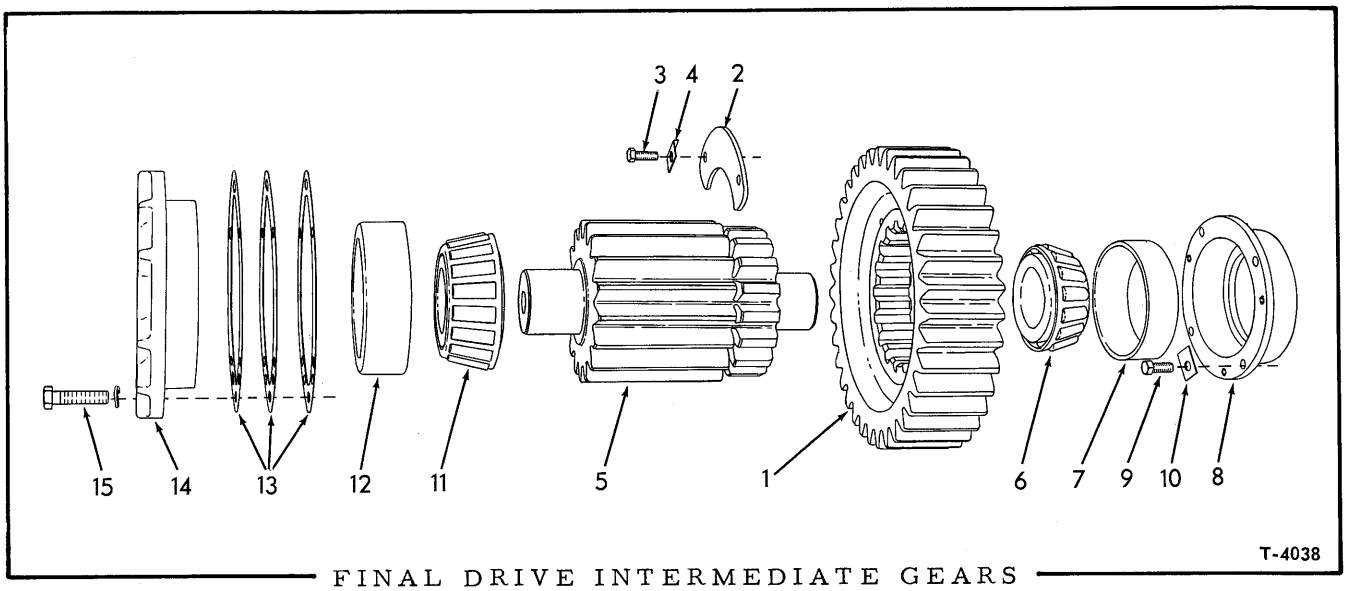
* Tractors prior to serial No. 5154, excluding No. 5104
** Tractors serial No. 5154 and up, including No. 5104

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70059051	2	-	DRUM, brake (Used prior to tractor #4560, excluding EXCEPTIONS below)
1	70099270	2	-	DRUM ASSEMBLY, brake (Includes items 2 and 21)(Effective with tractor #4560, including EXCEPTIONS below)
1	70623928	-	2	DRUM, brake
2	70090767	16	-	CAPSCREW, drilled-hd., 1/2"NC x 1-3/16" (Used prior to tractor #4560, excluding EXCEPTIONS below)
2	70099269	16	-	CAPSCREW, drilled-hd., 5/8"NC x 1-3/4" (Effective with tractor #4560, including EXCEPTIONS below)
2	70623002	-	16	CAPSCREW, 5/8"NC x 1-1/2"
2	70023756	8	-	WIRE, locking, 1/16" x 26"
2	70915942	-	16	LOCKWASHER, ext-int, 5/8"
3	70058149	2	-	HUB, brake drum (Used prior to tractor #4560, excluding EXCEPTIONS below)
3	70099291	2	-	HUB, brake drum (Effective with tractor #4560, including EXCEPTIONS below)
3	70623781	-	2	HUB, brake drum
4	70623783	2	2	WASHER ASSEMBLY, hub retaining (Includes item 5)
5	70035793	2	2	PIN, hub retaining washer
6	70630045	2	2	CAPSCREW, hub retaining (thin-hd., 1"NF x 1-3/4")
7	70630052	2	2	LOCK, hub retaining capscrew

(Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
8	70058707	2	2	PINION (14 teeth)
9	70075400	2	-	SEAL, oil (rubber)
	70623786	-	2	SEAL, oil (rubber)
10	70069441	2	2	CONE ASSEMBLY, inner bearing
11	70069328	2	2	CUP, inner bearing
12	70628894	2	-	SEAL, oil, brake drum hub
	70623784	-	2	SEAL, oil, brake drum hub
13	70058722	2	-	CAGE ASSEMBLY, inner bearing cup (Includes PLUG indented below)
	70901651	2	-	PLUG, pipe, 1/8"NPT (Not original equipment)
	70623782	-	2	CAGE, inner bearing cup
14	70035018	12	12	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	12	12	LOCKWASHER, 1/2"
15	70058875	2	2	GASKET, bearing cage
16	70643276	2	2	CONE ASSEMBLY, outer bearing
17	70643275	2	2	CUP, outer bearing
18	70058843	4	4	SHIM, bearing adjustment (.005" thick. Use as required)
	70058842	4	4	SHIM, bearing adjustment (.007" thick. Use as required)
	70058841	14	14	SHIM, bearing adjustment (.010" thick. Use as required)
19	70083792	2	2	CAGE, outer bearing cup
20	70035018	8	8	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	8	8	LOCKWASHER, 1/2"
21	------	2	-	RING, extension, brake drum (Not serviced separately)(Effective with tractor #4560 including EXCEPTIONS below)

EXCEPTIONS: HD16-4253, 4260, 4364, 4369, 4385, 4390, 4396, 4397, 4403, 4421, 4426, 4427, 4432, 4439, 4445, 4450, 4474, 4475, 4480, 4481, 4486, 4487, 4492, 4498, 4501, 4505, 4507, 4508, 4516, 4524, 4525, 4530, 4534, 4540, 4541, 4542, 4545, 4546, 4559.

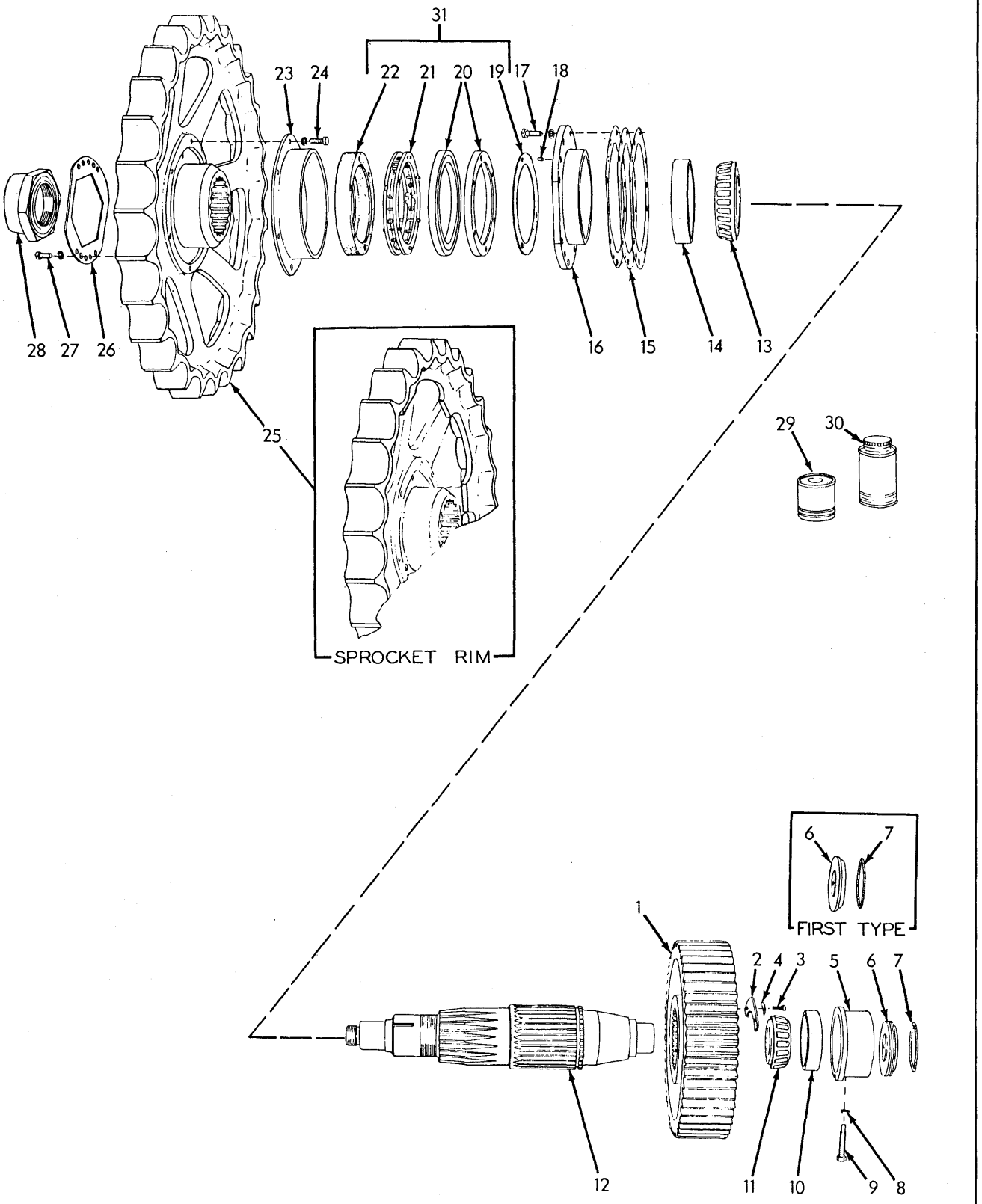


FINAL DRIVE INTERMEDIATE GEARS

* Used prior to tractor serial No. 2903 excluding Nos. 2894 and 2896

** Effective with tractor serial No. 2903 including Nos. 2894 and 2896

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70058572	2	2	GEAR (35 teeth)
2	70058825	4	4	LOCK, gear
3	70035439	8	8	CAPSCREW, 3/8"NC x 1"
4	70052444	8	8	LOCK, capscrew
5	70622806	2	2	PINION (17 teeth)
6	70052071	2	2	CONE ASSEMBLY, inner bearing
7	70052070	2	2	CUP, inner bearing
8	70067535	2	2	CAGE, inner bearing cup
9	70035439	8	8	CAPSCREW, 3/8"NC x 1"
10	70049936	8	8	LOCK, capscrew
11	70069327	2	2	CONE ASSEMBLY, outer bearing
12	70604398	2	2	CUP, outer bearing
13	70094116	4	4	SHIM, bearing adjustment (.005 thick. Use as required)
	70094117	4	4	SHIM, bearing adjustment (.007 thick. Use as required)
	70094118	30	30	SHIM, bearing adjustment (.010 thick. Use as required)
14	70083859	2	-	CAGE, outer bearing cup
	70094115	-	2	CAGE, outer bearing cup
15	70035018	10	-	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	10	-	LOCKWASHER, 1/2"
	70035229	-	10	CAPSCREW, 5/8"NF x 2"
	70904209	-	10	LOCKWASHER, 5/8"



FINAL DRIVE SPROCKET, SHAFT AND GEAR

T-12573

FINAL DRIVE SPROCKET, SHAFT AND GEAR

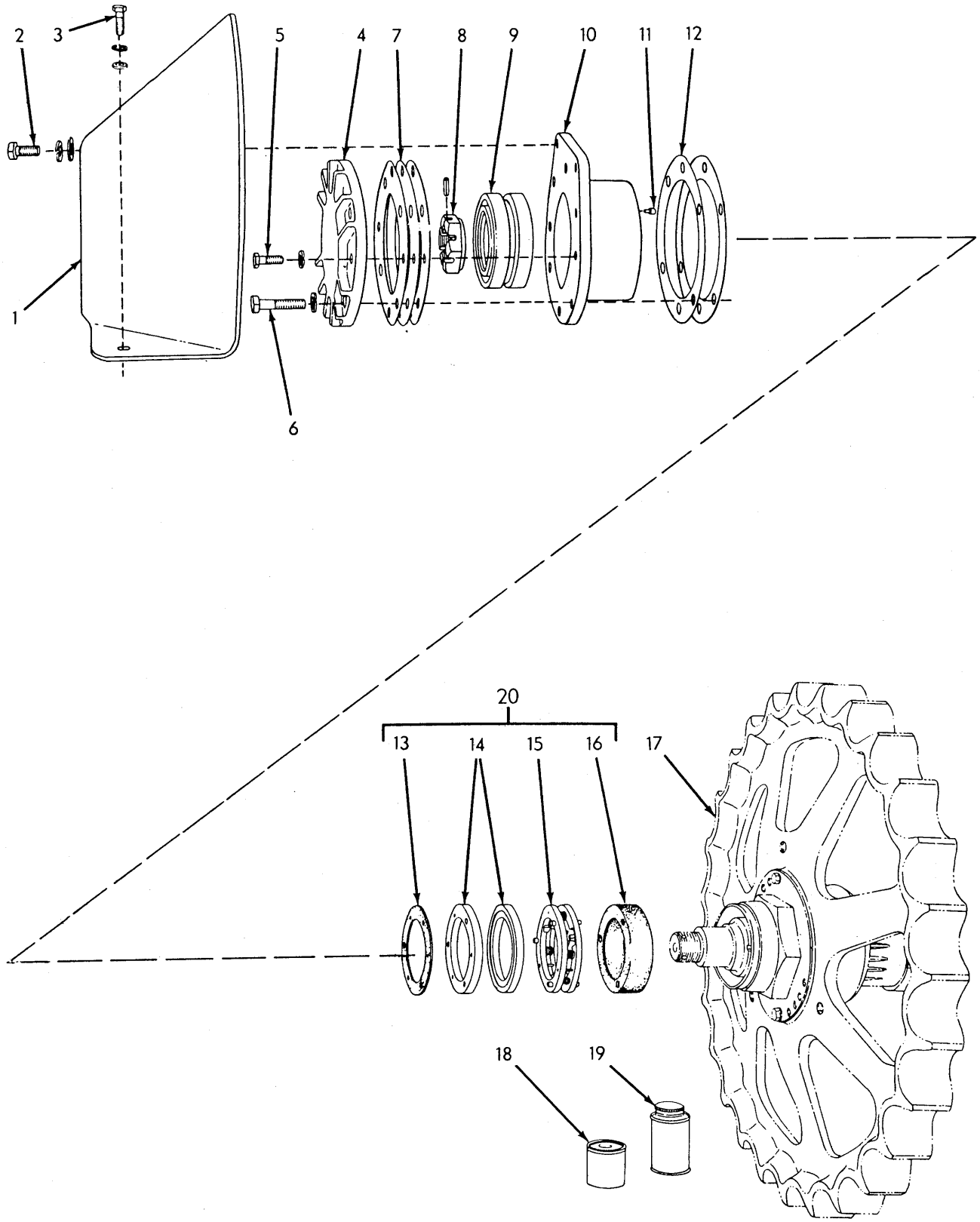
* Models HD16A, AC, D, DC (74" tread)
** Models HD16FC, GC (84" tread)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70622807	2	2	GEAR (52 teeth)
2	70052161	4	4	LOCK, gear
3	70035439	8	8	CAPSCREW, 3/8"NC x 1"
4	70052444	8	8	LOCK, capscrew
5	70067534	2	-	CAGE, inner bearing (5-3/8" bore)
	70073825	-	2	CAGE, inner bearing (5-11/32" bore)
6	70058853	2	2	COVER, inner bearing (Used prior to tractor #2142)
	70091572	2	2	COVER, inner bearing (Effective with tractor #2142)
7	70923833	2	2	O-RING , inner bearing cover (4-1/4"O. D.) (Used prior to tractor #2142)
	70923821	2	2	O-RING, inner bearing cover (4-7/8"O. D.) (Effective with tractor #2142)
8	70049918	2	2	WASHER, bearing cage setscrew (copper)
9	70067348	2	2	SETSCREW, bearing cage (hex-hd., dog-pt., 5/8"NF x 3")
10	70069328	2	-	CUP, inner bearing (1-1/4" wide)
	70605334	-	2	CUP, inner bearing (1-3/4" wide)
11	70069441	2	-	CONE ASSEMBLY, inner bearing (2-13/16"I. D.)
	70605335	-	2	CONE ASSEMBLY, inner bearing (2-9/16"I. D.)
12	70622136	2	-	SHAFT, sprocket (28" long)
	70622193	-	2	SHAFT, sprocket (33" long)
13	70051998	2	2	CONE ASSEMBLY, intermediate bearing
14	70049487	2	2	CUP, intermediate bearing
15	70067518	4	4	SHIM, bearing adjustment (.005" thick. Use as req'd)
	70067519	4	4	SHIM, bearing adjustment (.007" thick. Use as req'd)
	70067520	26	26	SHIM, bearing adjustment (.010" thick. Use as req'd)
16	70083509	2	2	CAGE ASSEMBLY, intermediate bearing cup (Includes item 18)
17	70023465	16	-	CAPSCREW, 5/8"NF x 1-3/4"
	70023618	-	16	CAPSCREW, 5/8"NF x 2-1/2"
	70904209	16	16	LOCKWASHER, 5/8"
	70911044	-	16	NUT, 5/8"NF
18	70084432	6	6	PIN, locating, seal ring
19	70052408	2	2	GASKET, inner seal ring } See item 31
20	70080488	4	4	RING, inner seal }

(Continued)

FINAL DRIVE SPROCKET, SHAFT AND GEAR (Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
21	70052611	2	2	FOLLOWER ASSEMBLY, inner seal (Serviced only as a unit) } See item 31
22	70052612	2	2	BOOT, inner seal } See item 31
23	70083504	2	2	GUARD, seal (Used prior to tractor #4495)
	70052426	2	2	GUARD, seal (Effective with tractor #4495)
24	70035221	12	12	CAPSCREW, 1/2"NC x 1" } Used prior to tractor #4495.
	70904208	12	12	LOCKWASHER, 1/2" } Used prior to tractor #4495.
	70035440	8	8	CAPSCREW, 5/8"NC x 1-1/2" } Effective with tractor #4495
	70904209	8	8	LOCKWASHER, 5/8" } Effective with tractor #4495
25	70098683	2	2	SPROCKET, track driving (Standard)(Used prior to tractor #2727. When making first replacement also order 1 GUARD 70052426, 4 CAPSCREWS 70035440 and 4 LOCKWASHERS 70904209)
	70629072	2	2	SPROCKET, track driving (Standard)(Effective with tractor #2727. If for tractors prior to #4495, also order 1 GUARD 70052426, 4 CAPSCREWS 70035440 and 4 LOCKWASHERS 70904209)
	70098630	2	2	SPROCKET, track driving (Special. Has skeleton tooth-base to minimize packing of track)(Used prior to tractor #2727. When making first replacement, also order 1 GUARD 70052426, 4 CAPSCREWS 70035440 and 4 LOCKWASHERS 70904209)
	70629268	2	2	SPROCKET, track driving (Special. Has skeleton tooth-base to minimize packing of track)(Effective with tractor #2727. If for tractors prior to #4495, also order 1 GUARD 70052426, 4 CAPSCREWS 70035440 and 4 LOCKWASHERS 70904209)
	70629271	2	2	SPROCKET RIM (Standard type. Requires welding to install)(Effective with tractor #2727)
26	70083518	2	2	LOCK, sprocket retaining nut
27	70035221	4	4	CAPSCREW, 1/2"NC x 1"
	70904208	4	4	LOCKWASHER, 1/2"
28	70083507	2	2	NUT, sprocket retaining
29	70033288	-	-	CEMENT, neoprene, 1/2 pint can } For cementing all boots and gaskets
30	70054890	-	-	SOLVENT, neoprene, 1/2 pint can } For cementing all boots and gaskets
31	70073764	2	2	SEAL KIT, final drive (Includes parts for one (1) side only; items 19 thru 22)



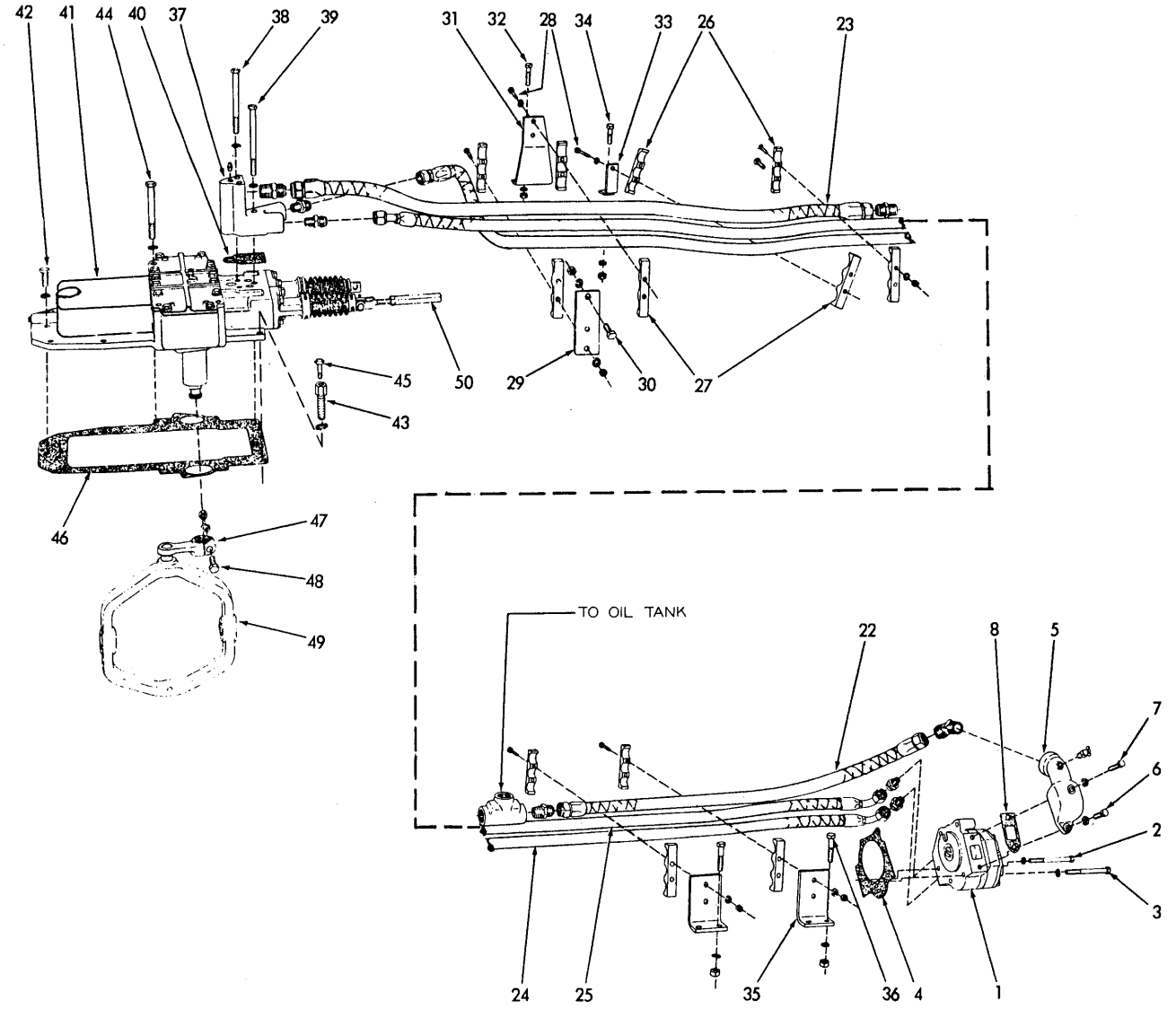
FINAL DRIVE OUTBOARD BEARING AND SEAL

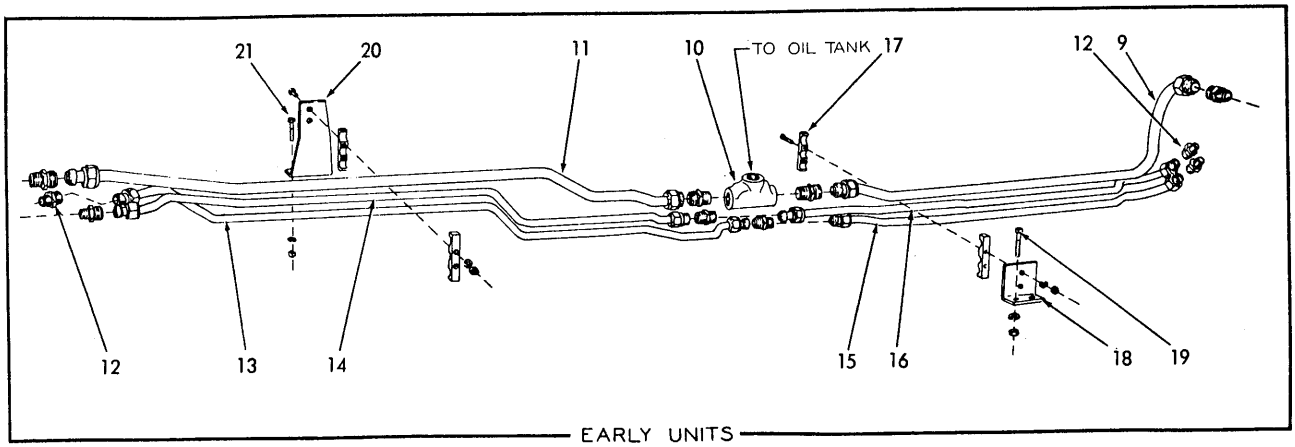
FINAL DRIVE OUTBOARD BEARING AND SEAL

ITEM	PART NO.	QTY.	DESCRIPTION
1	70083506	2	GUARD, track sprocket
2	70035440	4	CAPSCREW, 5/8"NC x 1-1/4"
	70904209	4	LOCKWASHER, 5/8"
	70911100	4	WASHER, plain, SAE std., 5/8"
3	70035018	4	CAPSCREW, 1/2"NF x 1-1/2"
	70064531	4	WASHER, plain
	70904208	4	LOCKWASHER, 1/2"
4	70083505	2	COVER, outboard bearing
5	70035018	4	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	4	LOCKWASHER, 1/2"
6	70070161	12	CAPSCREW, 5/8"NF x 2-3/4"
	70904209	12	LOCKWASHER, 5/8"
7	70083517	4	SHIM, bearing adjustment (.005" thick. Use as required)
	70083516	4	SHIM, bearing adjustment (.007" thick. Use as required)
	70083515	8	SHIM, bearing adjustment (.010" thick. Use as required)
8	70083501	2	NUT, retaining, outboard bearing
	70916227	2	PIN, roll, 1/4" x 1"
9	70083503	2	BEARING, roller, outboard (Each consists of 1 roller assembly and 2 cups. Serviced only as a unit)
10	70083511	2	CAGE, outboard bearing
11	70084432	6	PIN, locating, seal ring
12	70069072	12	SHIM, bearing cage spacing (.015" thick. Use as required)
13	70062098	2	GASKET, outer seal ring
14	70080487	4	RING, outer seal
15	70052543	2	FOLLOWER ASSEMBLY, outer seal (Serviced only as a unit)
16	70052545	2	BOOT, outer seal
17	------	2	SPROCKET (See FINAL DRIVE SPROCKET AND GEAR)
18	70033288	-	CEMENT, neoprene, 1/2 pint can
19	70054890	-	SOLVENT, neoprene cement, 1/2pint can
20	70073765	2	SEAL KIT, final drive (Includes parts for one (1) side only; items 13 thru 16)

See item 20

For cementing boots and gaskets





EARLY UNITS

T-15193

HYDRAULIC STEERING CONTROL (First type)

HYDRAULIC STEERING CONTROL

USAGE: Tractors prior to serial No. 4001

* Tractors prior to serial No. 1275
** Tractors serial No. 1275 and up

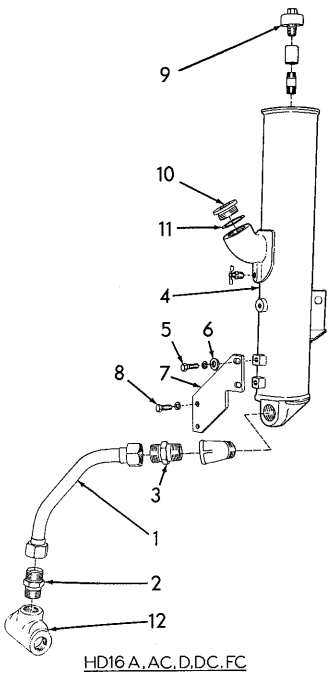
ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70082781	1	1	PUMP ASSEMBLY, hydraulic (See page 356 for parts)(Original equipment. Order PUMP ASSY. 70099915 and 2 CAPSCREW 70622781)
	70099915	1	1	PUMP ASSEMBLY, hydraulic (See page 357 for parts)(Service replacement)
2	70082937	3	3	CAPSCREW, 3/8"NC x 4-1/2"
	70904206	3	3	LOCKWASHER, 3/8"
3	70082936	2	2	CAPSCREW, 7/16"NC x 4-1/2" (For PUMP ASSY. 70082781)
	70622781	2	2	CAPSCREW, 7/16"NC x 4-7/8" (For PUMP ASSY. 70099915)
	70904207	2	2	LOCKWASHER, 7/16"
4	70082810	1	1	GASKET, hydraulic pump
5	70082812	1	1	ELBOW, front oil return tube
	70914453	1	1	COCK, vent, 1/8"NPT (Effective with tractor #2727)
6	70041250	1	1	CAPSCREW, 7/16"NC x 1-1/4"
7	70082905	1	1	CAPSCREW, 7/16"NC x 3-1/4"
	70904207	2	2	LOCKWASHER, 7/16"
8	70082811	1	1	GASKET, elbow
9	70084907	1	-	TUBE ASSEMBLY, oil return, front section (Includes 2 nuts, 2 ferrules and 2 RINGS 70917692)
	70917692	2	-	RING, Sealastic, 1" tube (No ferrule included)
	70915534	2	-	CONNECTOR, Sealastic, 1" tube, 1"NPT male
10	70082891	1	1	TEE, oil return line
11	70082134	1	-	TUBE ASSEMBLY, oil return, rear section (Includes 1 RING 70917691 and 1 FERRULE)
	70917692	1	-	RING, Sealastic, 1" tube (no ferrule included)
	70917770	1	-	RING, Sealastic, 1" tube (Includes ferrule)
	70918566	2	-	NUT, Sealastic, 1" tube
	70915534	2	-	CONNECTOR, Sealastic, 1" tube, 1"NPT male
12	70066554	4	-	CONNECTOR, oil supply tubes (1/2"NPT and 1-3/16"EF male ends)
13	70084867	1	-	TUBE ASSEMBLY, oil supply, left clutch control, rear section (Includes 1 RING 70917691 and 1 FERRULE)
	70917691	1	-	RING, Sealastic, 3/4" tube (No ferrule included)
	70918605	1	-	RING, Sealastic, 3/4" tube (Includes ferrule)
	70918234	2	-	NUT, Sealastic, 3/4" tube
	70915560	1	-	UNION, Sealastic, 3/4" tube
14	70084974	1	-	TUBE ASSEMBLY, oil supply, right clutch control, rear section (Includes 1 RING 70917692 and 1 FERRULE)
	70917691	1	-	RING, Sealastic, 3/4" tube (No ferrule included)
	70918605	1	-	RING, Sealastic, 3/4" tube (Includes ferrule)
	70918234	2	-	NUT, Sealastic, 3/4" tube
	70915560	1	-	UNION, Sealastic, 3/4" tube

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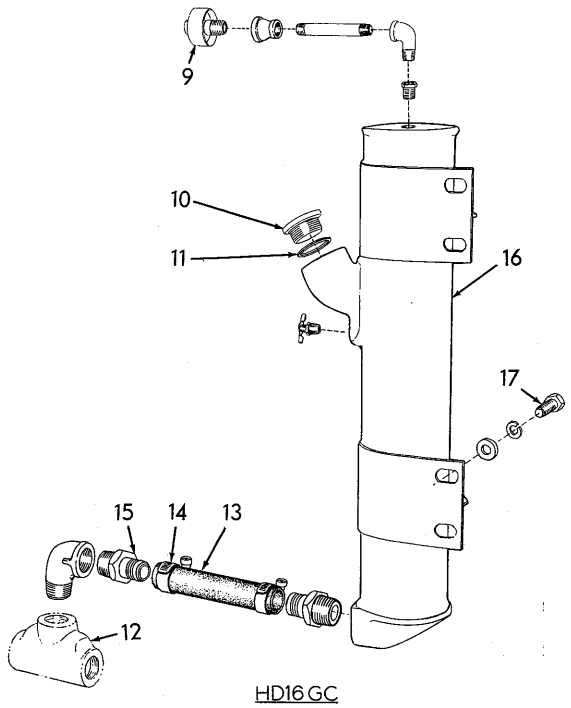
ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
15	70084863	1	-	TUBE ASSEMBLY, oil supply, left clutch control, front section (Includes 2 nuts, 2 ferrules and 2 RINGS 70917691)
	70917691	2	-	RING, Sealastic, 3/4" tube (No ferrule included)
16	70084894	1	-	TUBE ASSEMBLY, oil supply, right clutch control, front section (Includes 2 nuts, 2 ferrules and 2 RINGS 70917691)
	70917691	2	-	RING, Sealastic, 3/4" tube (No ferrule included)
17	70056407	4	-	CLAMP, tube supporting (half only)
	70913611	4	-	CAPSCREW, 3/8"NF x 2-1/2"
	70904206	4	-	LOCKWASHER, 3/8"
	70911041	4	-	NUT, 3/8"NF
18	70081842	1	-	ANGLE, tube supporting clamps
19	70035712	2	-	CAPSCREW, 1/2"NC x 2-1/4"
	70904208	2	-	LOCKWASHER, 1/2"
	70911043	2	-	NUT, 1/2"NC
20	70081861	1	-	BRACKET, tube supporting clamps
21	70035067	2	-	CAPSCREW, 1/2"NF x 2"
	70904208	2	-	LOCKWASHER, 1/2"
	70911043	2	-	NUT, 1/2"NF
22	70083634	-	1	HOSE ASSEMBLY, oil return, front section (See HOSE PARTS)
	70920693	-	1	ELBOW, flare type, 45°, 1" tube, 1"NPT male
	70919064	-	1	CONNECTOR, flare type, 1" tube, 1"NPT male
23	70084002	-	1	HOSE ASSEMBLY, oil return, rear section (See HOSE PARTS)
	70919064	-	2	CONNECTOR, flare type, 1" tube, 1"NPT male
24	70089716	-	1	HOSE ASSEMBLY, oil supply, left clutch control (See HOSE PARTS)
	70919615	-	2	CONNECTOR, flare type, 3/4" tube, 1/2"NPT male
25	70084032	-	1	HOSE ASSEMBLY, oil supply, right clutch control (See HOSE PARTS)
	70919615	-	2	CONNECTOR, flare type, 3/4" tube, 1/2"NPT male
26	70089583	-	10	CLAMP, hose supporting (Half only. Plain holes)
	70913611	-	8	CAPSCREW, 3/8"NF x 2-1/2" (2 additional used on Model HD16GC)
	70904206	-	8	LOCKWASHER, 3/8"
	70911041	-	8	NUT, 3/8"NF
27	70089729	-	2	CLAMP, hose supporting (Half only. Threaded holes)
28	70035336	-	4	CAPSCREW, 3/8"NF x 1-3/4" (1 less used on Models HD16FC, GC)
	70914339	-	1	CAPSCREW, 3/8"NF x 2-3/4" (Models HD16FC, GC only)
	70904206	-	4	LOCKWASHER, 3/8"
29	70089616	-	1	PLATE, hose supporting clamps
30	70070469	-	1	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	-	1	LOCKWASHER, 1/2"
	70911043	-	1	NUT, 1/2"NF
31	70628526	-	1	BRACKET, hose supporting clamps
32	70035067	-	2	CAPSCREW, 1/2"NF x 2"
	70904208	-	2	LOCKWASHER, 1/2"
	70911043	-	2	NUT, 1/2"NF

(Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
33	70089611	-	1	ANGLE, hose supporting clamps (1 additional used on Model HD16GC effective with tractor #1507)
34	70070403	-	1	CAPSCREW, 1/2"NF x 3" (All models except HD16GC)
	70042430	-	2	CAPSCREW, 1/2"NF x 3-1/4" (Model HD16GC only)
	70904208	-	1	LOCKWASHER, 1/2" } 1 additional used on
	70911043	-	1	NUT, 1/2"NF } Model HD16GC
35	70089612	-	2	ANGLE, hose supporting clamps
36	70035712	-	4	CAPSCREW, 1/2"NC x 2-1/4"
	70904208	-	4	LOCKWASHER, 1/2"
	70911028	-	4	NUT, 1/2"NC
37	70069518	1	1	MANIFOLD, hose connection
	70901652	1	1	PLUG, pipe, 1/4"NPT
38	70046590	2	2	CAPSCREW, 1/2"NC x 5-1/4"
39	70057984	1	1	CAPSCREW, 1/2"NF x 5-3/4"
	70904208	3	3	LOCKWASHER, 1/2"
40	70057841	1	1	GASKET, manifold
41	70057851	1	1	VALVE ASSEMBLY, steering clutch throwout (Original equipment. Order Valve Assembly 70099865) } See page 359 for parts
	70099865	1	1	VALVE ASSEMBLY, steering clutch throwout (Service replacement) }
42	70070469	7	7	CAPSCREW, 1/2"NF x 1-1/4" (1 less used effective with approx. tractor #2727)
43	70094543	-	1	CAPSCREW (drilled for breather)(Effective with approx. tractor #2727)
44	70037461	4	4	CAPSCREW, 1/2"NF x 4-3/4"
	70904208	11	11	LOCKWASHER, 1/2"
45	70051447	-	1	BREATHER (Effective with approx. tractor #2727)
46	70057836	1	1	GASKET, steering clutch throwout valve
47	70059028	2	2	LEVER, actuating, lower
48	70035068	2	2	CAPSCREW, 1/2"NF x 2-1/4"
	70904208	2	2	LOCKWASHER, 1/2"
	70911043	2	2	NUT, 1/2"NF
49	------	-	-	YOKE (See STEERING CLUTCHES)
50	------	-	-	ROD (See STEERING LEVERS AND LINKAGE)



T-15194



T-15195

STEERING CONTROL OIL TANK

USAGE: Tractors prior to serial No. 4001

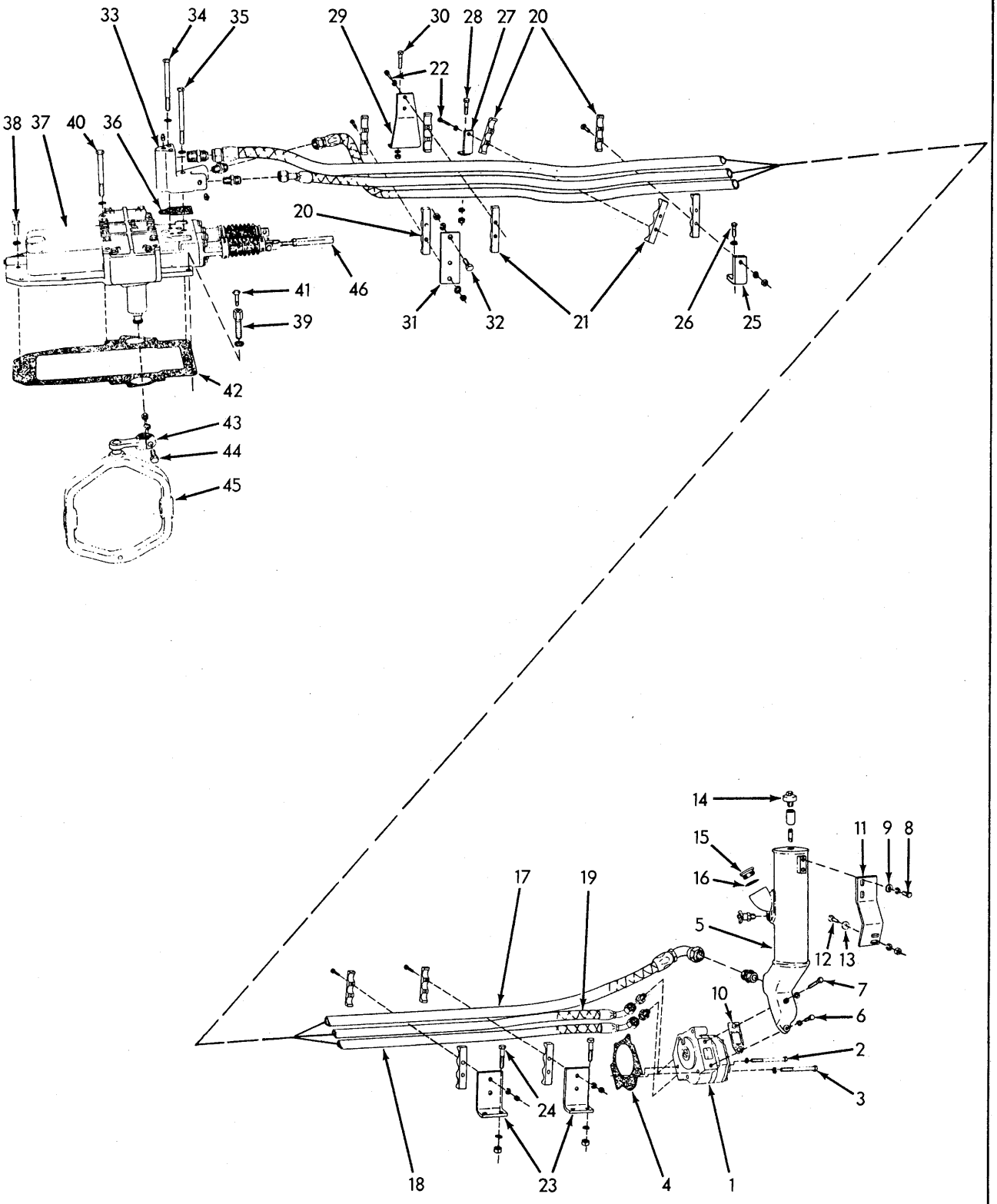
* Models HD16A, AC, D, DC, FC
** Model HD16GC

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
	70083276	1	-	TUBE (Used prior to tractor #1275)
	70918566	2	-	NUT, Sealastic, 1" tube
	70917770	2	-	RING, Sealastic, 1" tube, (Includes ferrule)
1	70089579	1	-	TUBE ASSEMBLY (Includes nuts)(Effective with tractor #1275)
	70911076	1	-	ELBOW, street, 45°, 1"NPT
	70095921	1	-	HOSE ASSEMBLY, (Not original equipment. Service replacement for TUBE ASSEMBLY 70089579. Also order 2 CONNECTORS 70919064) (See HOSE PARTS)
	70915534	1	-	CONNECTOR, Sealastic, 1" tube, 1"NPT male (Used prior to tractor #1275)
2	70051697	1	-	CONNECTOR, oil tube (1"NPT and 1-3/8"EF male ends) (Effective with tractor #1275)
	70919064	1	-	CONNECTOR, flare type, 1" tube, 1"NPT male (Used with HOSE ASSEMBLY 70095921 only)

(Continued)

STEERING CONTROL OIL TANK (Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
3	70917884	1	-	ELBOW, Sealastic, 45°, 1" tube, 1"NPT male (Used prior to tractor #1275)
	70051697	1	-	CONNECTOR, oil tube (1"NPT and 1-3/8"EF male ends) (Effective with tractor #1275)
	70919064	1	-	CONNECTOR, flare type, 1" tube, 1"NPT male (Used with HOSE ASSEMBLY 70095921 only)
4	70087100	1	-	TANK, oil
	70912319	1	-	COCK, drain, 1/4"NPT (Effective with tractor #984)
5	70036039	2	-	CAPSCREW, 3/8"NF x 1-3/8"
	70904206	2	-	LOCKWASHER, 3/8"
6	70044973	2	-	WASHER, plain
7	70083804	1	-	PLATE, tank bracing
8	70036034	2	-	CAPSCREW, 3/8"NF x 1"
	70904206	2	-	LOCKWASHER, 3/8"
9	70050748	1	1	BREATHER
	70901765	1	-	COUPLING, pipe, 3/8"NPT } Effective with
	70901490	1	-	NIPPLE, pipe, 3/8"NPT x 1-1/2" } tractor #3054
	70904226	-	1	COUPLING, pipe reducing, 3/8"NPT to 1/4"NPT
	70901483	-	1	NIPPLE, pipe, 1/4"NPT x 3-1/2"
	70901722	-	1	ELBOW, street, 90°, 1/4"NPT
	70901826	-	1	BUSHING, pipe reducing, 3/8"NPT to 1/4"NPT
10	70035250	1	1	PLUG, filler
11	70035249	1	1	GASKET, filler plug
12	------	1	1	TEE (See HYDRAULIC STEERING CONTROL)
13	------	-	1	PIPE, oil tank (Used prior to tractor #1507. Order 1 HOSE 70087534 and items 2 and 3)
	70087534	-	1	HOSE, oil tank (Effective with tractor #1507)
	70901726	-	1	ELBOW, street, 90°, 1"NPT
14	70921912	-	2	CLAMP, hose, 1-1/16 to 2" diam. (Effective with tractor #1507)
15	70087674	-	2	CONNECTOR, oil tank hose (Effective with tractor #1507)
16	70087702	-	1	TANK, oil
	70912319	-	1	COCK, drain, 1/4"NPT
17	70614478	-	4	CAPSCREW, 1/2"NF x 1-3/8"
	70904208	-	4	LOCKWASHER, 1/2"
	70064531	-	4	WASHER, plain



HYDRAULIC STEERING CONTROL (Second type)

T-24023

HYDRAULIC STEERING CONTROL

USAGE: Tractors serial No. 4001 thru No. 5153, excluding No. 5104

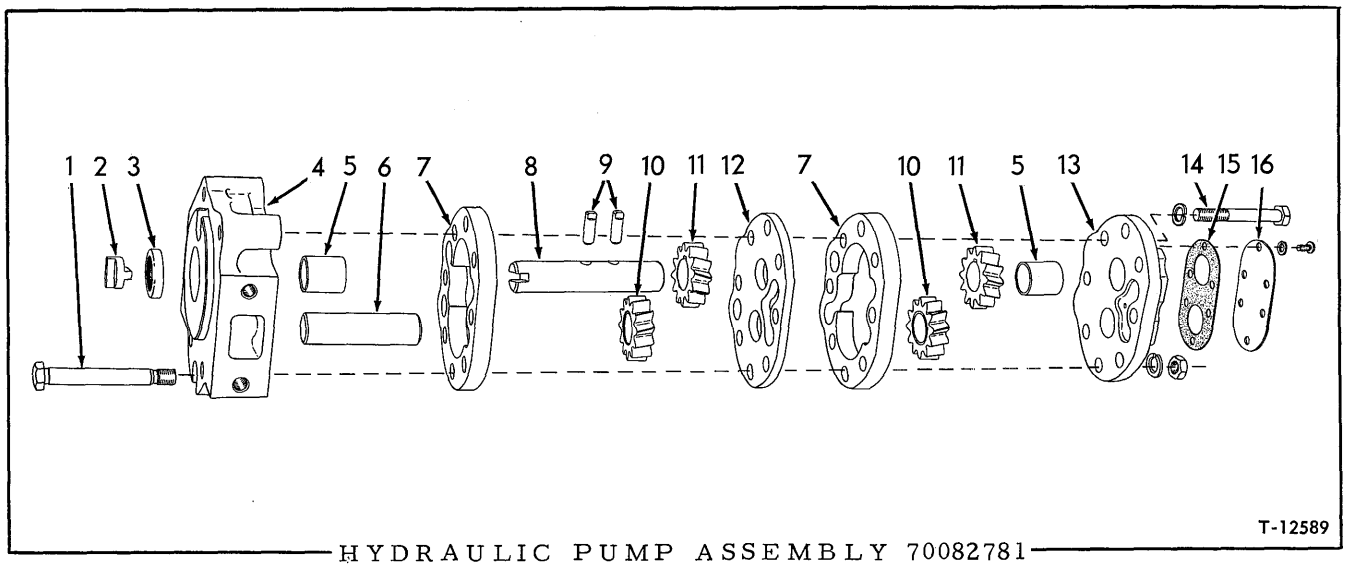
ITEM	PART NO.	QTY.	DESCRIPTION
1	70082781	1	PUMP ASSEMBLY, hydraulic (See page 356 for parts) (Used prior to tractor #4935)(Order 1 PUMP ASSY. 70099915 and 2 CAPSCREWS 70622781)
	70099915	1	PUMP ASSEMBLY, hydraulic (See page 357 for parts) (Effective with tractor #4935)
2	70082937	3	CAPSCREW, 3/8"NC x 4-1/2"
	70904206	3	LOCKWASHER, 3/8"
3	70082936	2	CAPSCREW, 7/16"NC x 4-1/2" (Used prior to tractor #4935)
	70622781	2	CAPSCREW, 7/16"NC x 4-7/8" (Effective with tractor #4935)
	70904207	2	LOCKWASHER, 7/16"
4	70082810	1	GASKET, hydraulic pump
5	70096946	1	TANK, oil
	70912319	1	COCK, drain, 1/4"NPT
6	70041250	1	CAPSCREW, 7/16"NC x 1-1/4"
7	70082905	1	CAPSCREW, 7/16"NC x 3-1/4"
	70904207	2	LOCKWASHER, 7/16"
8	70036034	2	CAPSCREW, 3/8"NF x 1"
	70904206	2	LOCKWASHER, 3/8"
9	70044973	2	WASHER, plain
10	70082811	1	GASKET, oil tank
11	70097334	1	BRACKET, tank bracing (Models other than HD16GC)
	70097483	1	BRACKET, tank bracing (Model HD16GC only)
12	70036039	2	CAPSCREW, 3/8"NF x 1-3/8"
13	70044973	2	WASHER, plain
	70904206	2	LOCKWASHER, 3/8"
	70911041	2	NUT, 3/8"NF
14	70050748	1	BREATHER, oil tank
	70901765	1	COUPLING, pipe, 3/8"NPT
	70901490	1	NIPPLE, pipe, 3/8"NPT x 1-1/2"
15	70035250	1	PLUG, oil tank
16	70035249	1	GASKET, oil tank plug
17	70097339	1	HOSE ASSEMBLY, oil return (See HOSE PARTS)
	70919064	2	CONNECTOR, flare type, 1" tube, 1"NPT
18	70089716	1	HOSE ASSEMBLY, oil supply, left clutch control (See HOSE PARTS)
	70919615	2	CONNECTOR, flare type, 3/4" tube, 1/2"NPT
19	70084032	1	HOSE ASSEMBLY, oil supply, right clutch control (See HOSE PARTS)
	70919615	2	CONNECTOR, flare type, 3/4" tube, 1/2"NPT

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
20	70089583	9	CLAMP, hose supporting (Half only. Plain holes)
	70913611	6	CAPSCREW, 3/8"NF x 3-1/2"
	70904206	6	LOCKWASHER, 3/8"
	70911041	6	NUT, 3/8"NF
21	70089729	3	CLAMP, hose supporting (Half only. Threaded holes)
22	70035336	6	CAPSCREW, 3/8"NF x 1-3/4" (1 less used on HD16FC, GC)
	70914339	1	CAPSCREW, 3/8"NF x 2-3/4" (Model HD16FC, GC only)
	70904206	6	LOCKWASHER, 3/8"
23	70089612	2	ANGLE, hose supporting clamps
24	70035712	4	CAPSCREW, 1/2"NC x 2-1/4"
	70904208	4	LOCKWASHER, 1/2"
	70911028	4	NUT, 1/2"NC
25	70097055	1	ANGLE, hose supporting clamp (Model HD16GC only)
26	70035014	1	CAPSCREW, 5/8"NF x 1-1/2"
	70904209	1	LOCKWASHER, 5/8"
27	70089611	1	ANGLE, hose supporting clamp
28	70065588	1	CAPSCREW, 1/2"NF x 3-1/2" (Models HD16A, AC, D, DC)(Also attaches left rear fender)
	70042430	1	CAPSCREW, 1/2"NF x 3-1/4" (Models HD16FC, GC)
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
29	70089735	1	BRACKET, hose supporting clamps
30	70035067	2	CAPSCREW, 1/2"NF x 2"
	70904208	2	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF
31	70089616	1	PLATE, hose supporting clamps
32	70070469	1	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
33	70069518	1	MANIFOLD, hose connection
	70901651	2	PLUG, pipe, 1/8"NPT
	70901652	1	PLUG, pipe, 1/4"NPT
34	70046590	2	CAPSCREW, 1/2"NC x 5-1/4 "
35	70057984	1	CAPSCREW, 1/2"NF x 5-3/4"
	70904208	3	LOCKWASHER, 1/2"
36	70057841	1	GASKET, manifold
37	70057851	1	VALVE ASSEMBLY, steering clutch throwout (See page 359 for parts)(Used prior to Dec. 1959)(Order VALVE ASSEMBLY 70099865)
	70099865	1	VALVE ASSEMBLY, steering clutch throwout (See page 359 for parts)(Effective Dec. 1959)
38	70070469	6	CAPSCREW, 1/2"NF x 1-1/4"
39	70094543	1	CAPSCREW (drilled for breather)
40	70037461	4	CAPSCREW, 1/2"NF x 4-3/4"
	70904208	11	LOCKWASHER, 1/2"

(Continued)

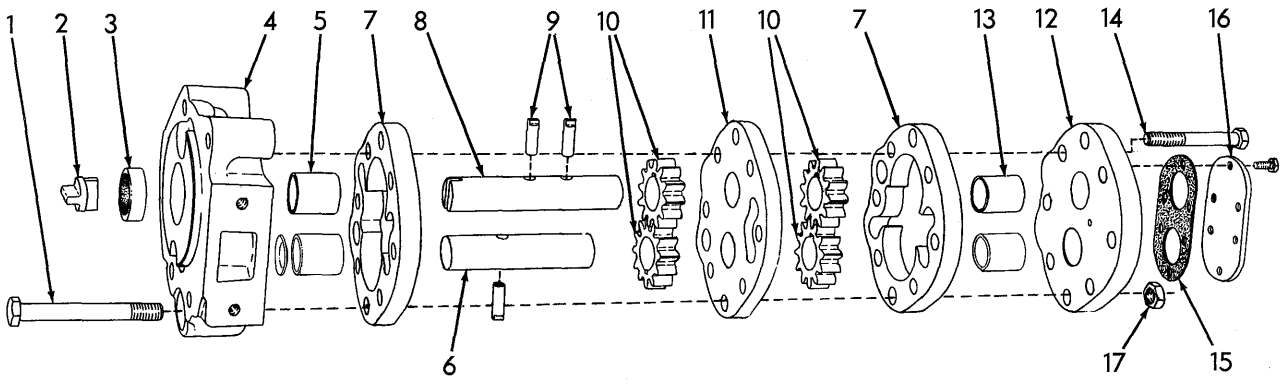
ITEM	PART NO.	QTY.	DESCRIPTION
41	70051447	1	BREATHER
42	70057836	1	GASKET, steering clutch throwout valve
43	70059028	2	LEVER, actuating, lower
44	70035068	2	CAPSCREW, 1/2"NF x 2-1/4"
	70904208	2	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF
45	------	-	YOKE (See STEERING CLUTCHES)
46	------	-	ROD (See STEERING LEVERS AND LINKAGE)



HYDRAULIC PUMP ASSEMBLY 70082781

USAGE: See pages 347 and 353

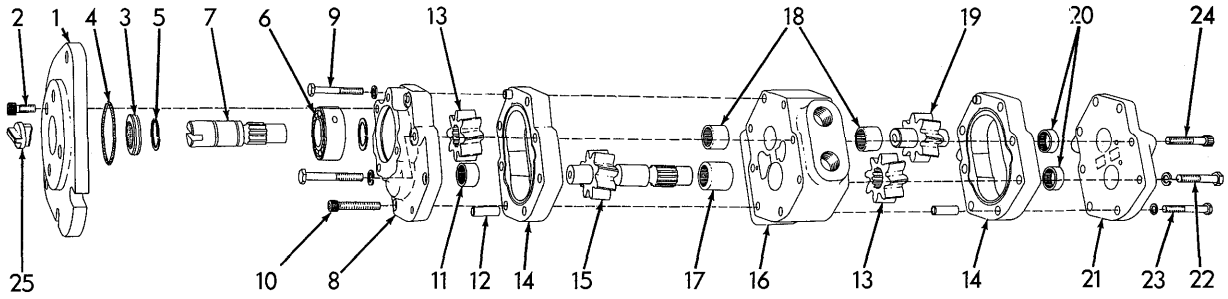
ITEM	PART NO.	QTY.	DESCRIPTION
1	70083981	2	BOLT, dowel
	70904208	2	LOCKWASHER, 1/2"
	70911035	2	NUT, jam, 1/2"NC
2	70645109	1	COUPLING, driving shaft
3	70090655	1	SEAL, oil, driving shaft
4	70083983	1	PLATE ASSEMBLY, back (Includes items 5 and 6)
5	70059776	2	BEARING, driving gear shaft
6	70059773	1	SHAFT, idling gears
7	70059772	2	CASE
8	70083979	1	SHAFT, driving
9	70059782	2	PIN, driving gear
10	70059775	2	GEAR ASSEMBLY, idling (Includes bushing which is not serviced separately)
11	70059779	2	GEAR, driving
12	70059771	1	PLATE, spacing
13	70083982	1	PLATE ASSEMBLY, front (Includes item 5)
14	70088736	4	CAPSCREW (7/16"NC x 3")
	70904207	4	LOCKWASHER, 7/16"
15	70059778	1	GASKET, cover plate
16	70059777	1	PLATE, cover
	70900575	6	SCREW, machine, 1/4"NC x 5/8"
	70904204	6	LOCKWASHER, 1/4"



HYDRAULIC PUMP ASSEMBLY 70099915 or 70678193 (Roper) T-27475

USAGE: See pages 347, 353, 366 and 370

ITEM	PART NO.	QTY.	DESCRIPTION
1	70622789	2	CAPSCREW, 1/2"NC x 4-1/2"
2	70645109	1	COUPLING, driving shaft
3	70090655	1	SEAL, oil, driving shaft
4	70099914	1	PLATE ASSEMBLY, back (Includes item 5 and PLUG indented below)
	70910005	1	PLUG, expansion, 1-1/8" diam.
5	70059776	2	BEARING, back plate
6	70099912	1	SHAFT, idling gears
7	70099910	2	CASE
8	70099913	1	SHAFT, driving
9	70059782	3	PIN, gear driving
10	70099916	4	GEAR
11	70099911	1	SPACER
12	70099917	1	PLATE ASSEMBLY, front (Includes item 13)
13	70059776	2	BEARING, front plate
14	70088736	4	CAPSCREW (7/16"NC x 3")
15	70059778	1	GASKET, cover plate
16	70632112	1	PLATE, cover
	70903625	6	CAPSCREW, 1/4"NC x 3/4"
17	70622790	2	NUT, dowling capscrew (1/2"NC)



T-41804

HYDRAULIC PUMP ASSEMBLY 70638911 (Webster)

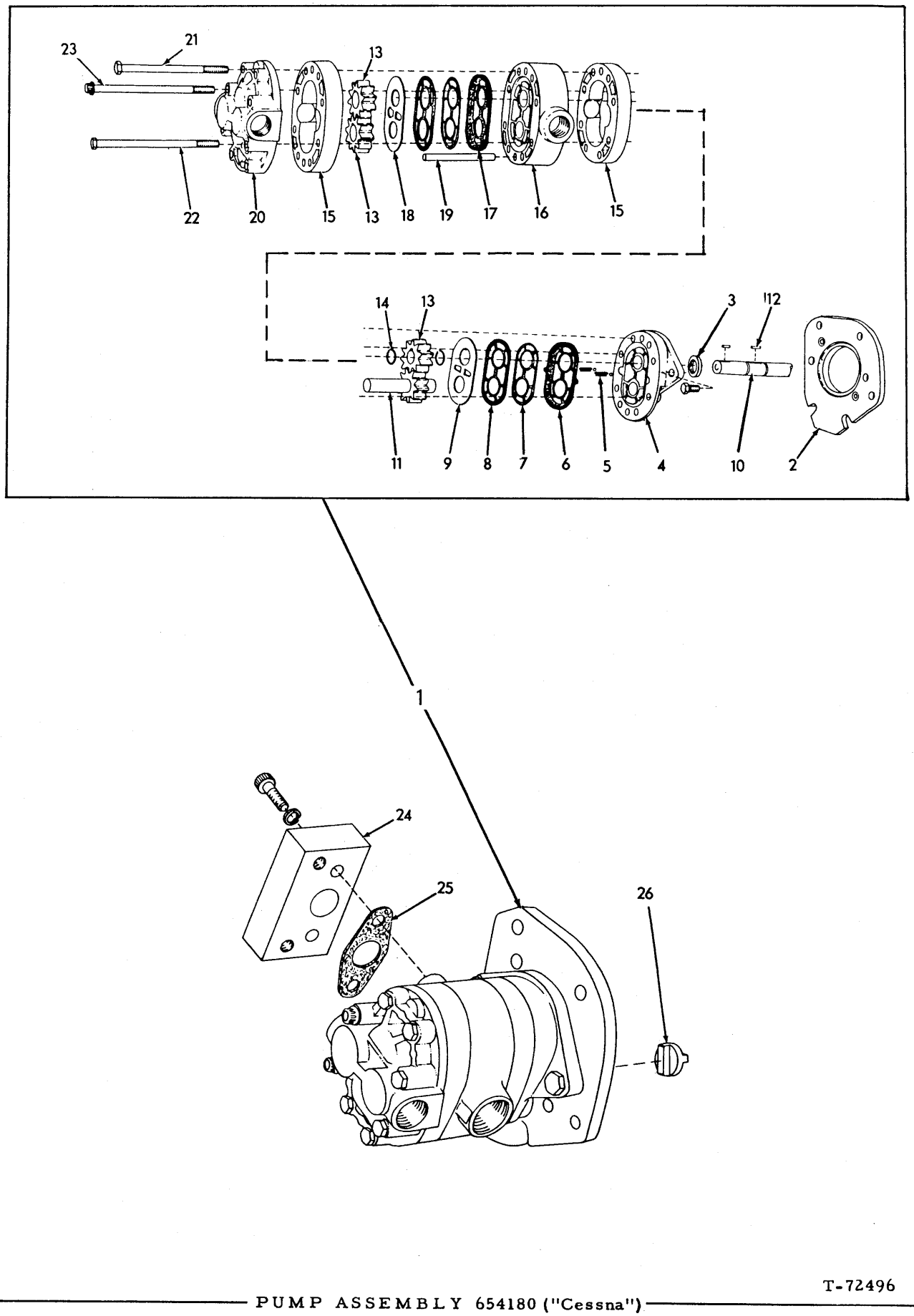
USAGE: See pages 366 and 370

ITEM	PART NO.	QTY.	DESCRIPTION
1	70643449	1	PLATE ASSEMBLY, adapting (Includes item 3)
2	70643551	4	CAPSCREW, socket-hd., 5/16"NC x 3/4"
3	70643438	1	SEAL, oil
4	73039053	1	O-RING, adapting plate
5	70628161	2	RING, snap, drive shaft
6	74255031	1	BEARING, ball
7	70644354	1	SHAFT, drive
8	70643496	1	BODY ASSEMBLY (Includes item 11)
	70921160	4	CAPSCREW, 5/16"NC x 2-1/4"
	70904205	4	LOCKWASHER, 5/16"
9	70054305	2	CAPSCREW, 1/4"NC x 2"
	70904204	2	LOCKWASHER, 1/4"
10	70643553	2	CAPSCREW, socket-hd., 5/16"NC x 1-1/2"
11	70208253	1	BEARING, needle, driven shaft (short)
12	70643544	4	PIN, dowel (hollow)
13	70643545	2	GEAR (splined)
14	70643534	2	PLATE, gear housing
15	70644898	1	SHAFT ASSEMBLY, driven (Includes gear. Serviced only as a unit)
16	70643492	1	PLATE ASSEMBLY, center (Includes items 17 and 18)
17	70234692	1	BEARING, needle, driven shaft (long)
18	70208253	2	BEARING, needle
19	70644897	1	SHAFT ASSEMBLY, idler (Includes gear. Serviced only as a unit)

(Continued)

HYDRAULIC PUMP ASSEMBLY 70638911 (Webster)(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
20	74254654	2	BEARING, needle, pump cover
21	70643491	1	COVER ASSEMBLY (Includes item 20)
22	70051473	4	CAPSCREW, 5/16"NC x 1-3/4"
	70904205	4	LOCKWASHER, 5/16"
23	70054305	2	CAPSCREW, 1/4"NC x 2"
	70904204	2	LOCKWASHER, 1/4"
24	70643552	2	CAPSCREW, socket-hd., 5/16"NC x 1-3/4"
25	70645109	1	COUPLING, drive shaft

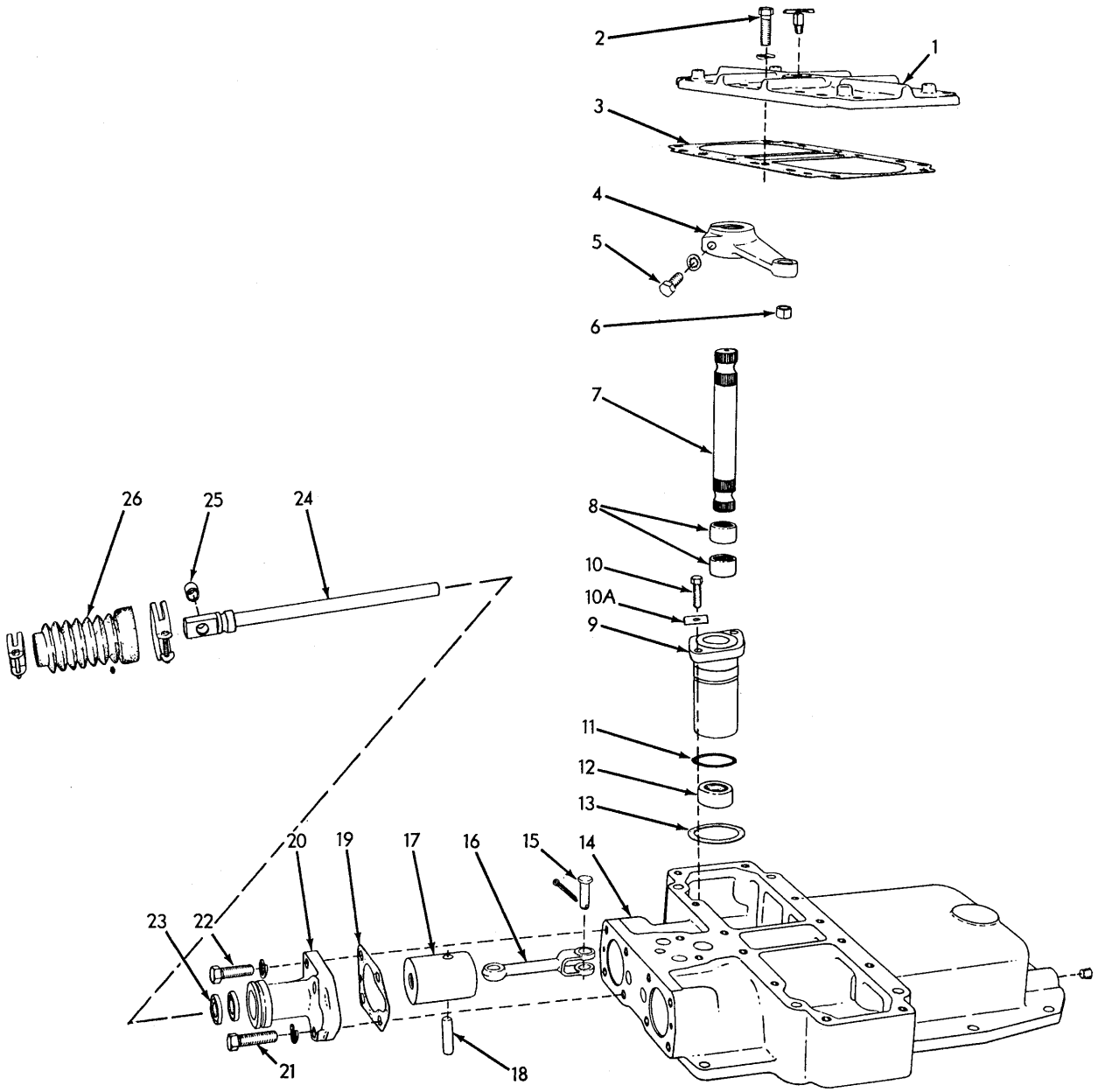


PUMP ASSEMBLY 654180 ("Cessna")

PUMP ASSEMBLY 70654180 ("Cessna)

USAGE: Replacement for service PUMP ASSY., 70638911 ("Webster") and is completely interchangeable.

ITEM	PART NO.	QTY.	DESCRIPTION
-	70654180	1	PUMP ASSY. (Items 1 thru 26)
1	70654074	1	PUMP ASSY. (Items 2 thru 23)
2	70653932	1	PLATE, adapting
	70916222	2	CAPSCREW, 7/16"NC x 7/8"
3	70650677	1	SEAL, oil
4	70653929	1	PLATE ASSY., front (Includes bushings)
5	70650679	2	SPRING, check valve
	70915903	2	BALL, steel, 7/32" diam.
6	70650673	1	SEAL, front diaphragm
7	70650676	2	GASKET, diaphragm (thin)
8	70650675	2	GASKET, diaphragm (thick)
9	70650674	1	DIAPHRAGM, sealing, front
10	70654075	1	SHAFT, drive
11	70653931	1	GEAR ASSY., idler (Includes shaft)
12	70650672	2	KEY, pump gear
13	70650189	3	GEAR, pump
14	70653936	2	RING, snap, pump gear
15	70650193	2	BODY, outer
16	70653934	1	BODY, center (Includes bushings)
17	70650678	1	SEAL, rear diaphragm
18	70827650	1	DIAPHRAGM, sealing, rear
19	70653937	2	PIN, dowel
20	70653930	1	PLATE, rear
21	70919223	4	CAPSCREW, 5/16"NC x 4-1/2"
22	70924226	2	CAPSCREW, 5/16"NC x 5"
23	70924227	2	SCREW, 12 pt-hd., 5/16"NC x 5"
24	70654089	1	ADAPTER, inlet
	70912267	2	CAPSCREW, hex-socket-hd., 3/8"NC x 1"
	70904206	2	LOCKWASHER, 3/8"
25	70655999	1	GASKET, inlet adapter
26	70645109	1	COUPLING



CONTROL VALVE PARTS

T-13126

CONTROL VALVE PARTS

USAGE: See pages 347 and 353

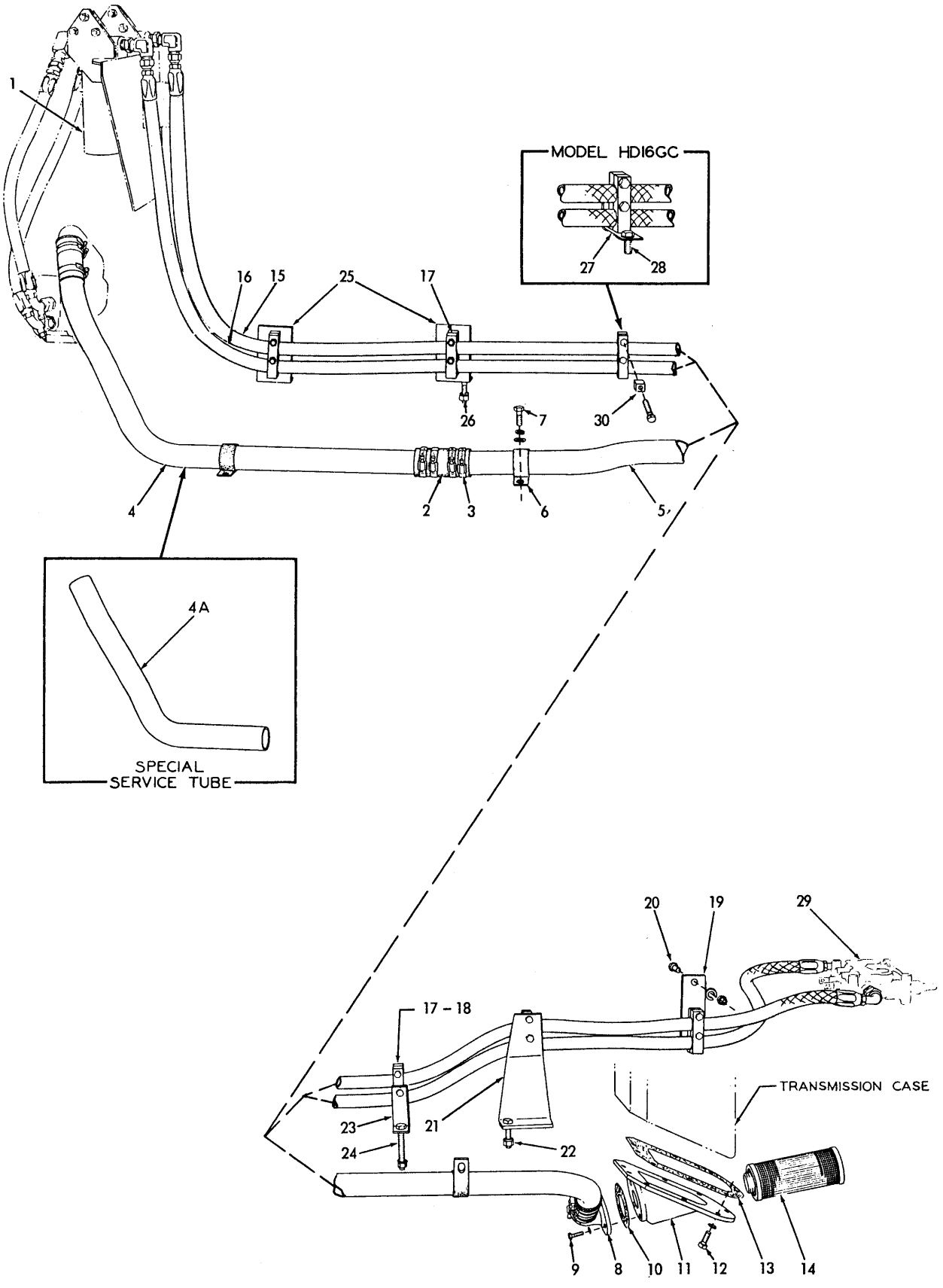
* VALVE ASSEMBLY 057851 (Early units)
** VALVE ASSEMBLY 099865 (Late units)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70057838	1	1	COVER, housing
	70914453	1	1	COCK, drain, T-handle, 1/8"NPT (For bleeding system)
2	70035061	12	12	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	12	12	LOCKWASHER, 1/2"
3	70057839	1	1	GASKET, housing cover
4	70080514	2	2	LEVER ASSEMBLY, actuating (Includes item 6)
5	70035236	2	2	CAPSCREW, 1/2"NC x 1-3/4"
	70906961	2	2	LOCKWASHER, internal teeth, 1/2"
6	70049988	2	2	BUSHING, actuating lever
7	70057843	2	2	SHAFT, actuating lever
8	70051513	4	4	BEARING, needle, actuating lever shaft
9	70075955	2	2	RETAINER, actuating lever shaft bearing
10	70035439	4	4	CAPSCREW, 3/8"NC x 1"
10A	70621453	4	4	LOCK, capscrew
11	70923577	2	2	O-RING, bearing retainer
12	70057848	2	2	SEAL, oil, actuating lever shaft
13	70057846	2	2	GASKET, lever shaft bearing retainer
14	70057852	1	1	HOUSING, control mechanism
	70907859	1	1	PLUG, pipe, hex-socket, 1/4"NPT
15	70049993	2	2	PIN, connecting rod
	70910967	2	2	PIN, cotter, 1/8" x 7/8"
16	70080513	2	2	ROD, connecting
17	70065112	2	-	PISTON, control
	70099863	-	2	PISTON, control
18	70052459	2	2	PIN, piston
19	70059883	2	2	GASKET, valve spool bracket
20	70079372	2	-	BRACKET, valve spool
	70099862	-	2	BRACKET, valve spool
21	70036203	4	4	CAPSCREW, 1/2"NC x 1-3/4"
22	70035190	4	4	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	8	8	LOCKWASHER, 1/2"

(Continued)

CONTROL VALVE PARTS (Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
23	70052641	4	-	SEAL, oil, valve spool
	70099856	-	4	SEAL, oil, valve spool
24	70052616	2	-	SPOOL ASSEMBLY, valve (7/8" diam. Includes item 25)
	70099864	-	2	SPOOL ASSEMBLY, valve (5/8" diam. Includes item 25)
25	70049988	2	2	BUSHING, valve spool (steel)
26	70079421	2	2	BOOT, valve spool
	70913232	2	2	CLAMP, hose, 1-3/8" diam. (front)
	70914503	2	2	CLAMP, hose, 2-3/16" diam. (rear)


MODEL HD16GC
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4A
SPECIAL
SERVICE TUBE
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17 - 18
TRANSMISSION CASE
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T-33477

HYDRAULIC CONTROL

USAGE: Tractors serial No. 5154 and up, including No. 5104

* Models HD16A, D
** Models HD16AC, DC, FC
*** Model HD16GC

ITEM	PART NO.	QUANTITY *	**	***	DESCRIPTION
1	------	-	-	-	HYDRAULIC OIL PUMP AND FILTERS (See pages 366 and 370 for details)
2	70623234	3	3	3	HOSE, suction line } 1 additional hose and 4 clamps used
3	70921913	12	12	12	CLAMP, hose } on tractors prior to #5315 including EXCEPTIONS listed below but not on units equipped with diverter valve
4	------	1	1	1	TUBE, suction line, front section (2 pieces) (Used prior to tractor #5315 including EXCEPTIONS listed below. Not used on units equipped with diverter valve. Order TUBE 70629464 and either TUBE 70629479 or TUBE 70629485)
	70629464	1	1	1	TUBE, suction line, front section (Effective with tractor #5315 excluding EXCEPTIONS listed below. Also used on all prior units equipped with diverter valve)
	70640631	1	1	1	TUBE, suction line, front section (Used only with Webster service replacement PUMP ASSY. 70638911, replacing TUBE 70629464. Also see item 4A)
4A	70645500	1	1	1	TUBE, suction line, front section (Used only with Webster service replacement PUMP ASSY. 70638911 on tractors prior to #5315 equipped with original 2-piece front suction line. See item 4)
5	------	1	-	-	TUBE, suction line, rear section (Used prior to tractor #5325. Not used on units equipped with diverter valve. Order TUBE 70629464 and TUBE 70629479)
	70629479	1	-	-	TUBE, suction line, rear section (Effective with tractor #5325. Also used on all prior units equipped with diverter valve)
	------	-	1	1	TUBE, suction line, rear section (Used prior to tractor #5315 including EXCEPTIONS listed below. Not used on units equipped with diverter valve. Order TUBE 70629464 and TUBE 70629485
	70629485	-	1	1	TUBE, suction line, rear section (Effective with tractor #5315, excluding EXCEPTIONS listed below. Also used on all prior units equipped with diverter valve)
6	70623235	3	3	3	CLIP, suction tube supporting
7	70070467	3	3	3	CAPSCREW, 1/2"NF x 1"
	70904208	3	3	3	LOCKWASHER, 1/2"
	70910244	3	3	3	WASHER, plain, SAE std., 1/2"
8	70623612	1	1	1	ELBOW, suction tube
9	70092013	3	3	3	CAPSCREW, 3/8"NC x 1-1/8", Nylok
	70904206	3	3	3	LOCKWASHER, 3/8"
10	70623616	1	1	1	GASKET, suction tube elbow
11	70623611	1	1	1	COVER, oil filter compartment
12	70035061	9	9	9	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	9	9	9	LOCKWASHER, 1/2"
13	70623617	1	1	1	GASKET, filter compartment cover

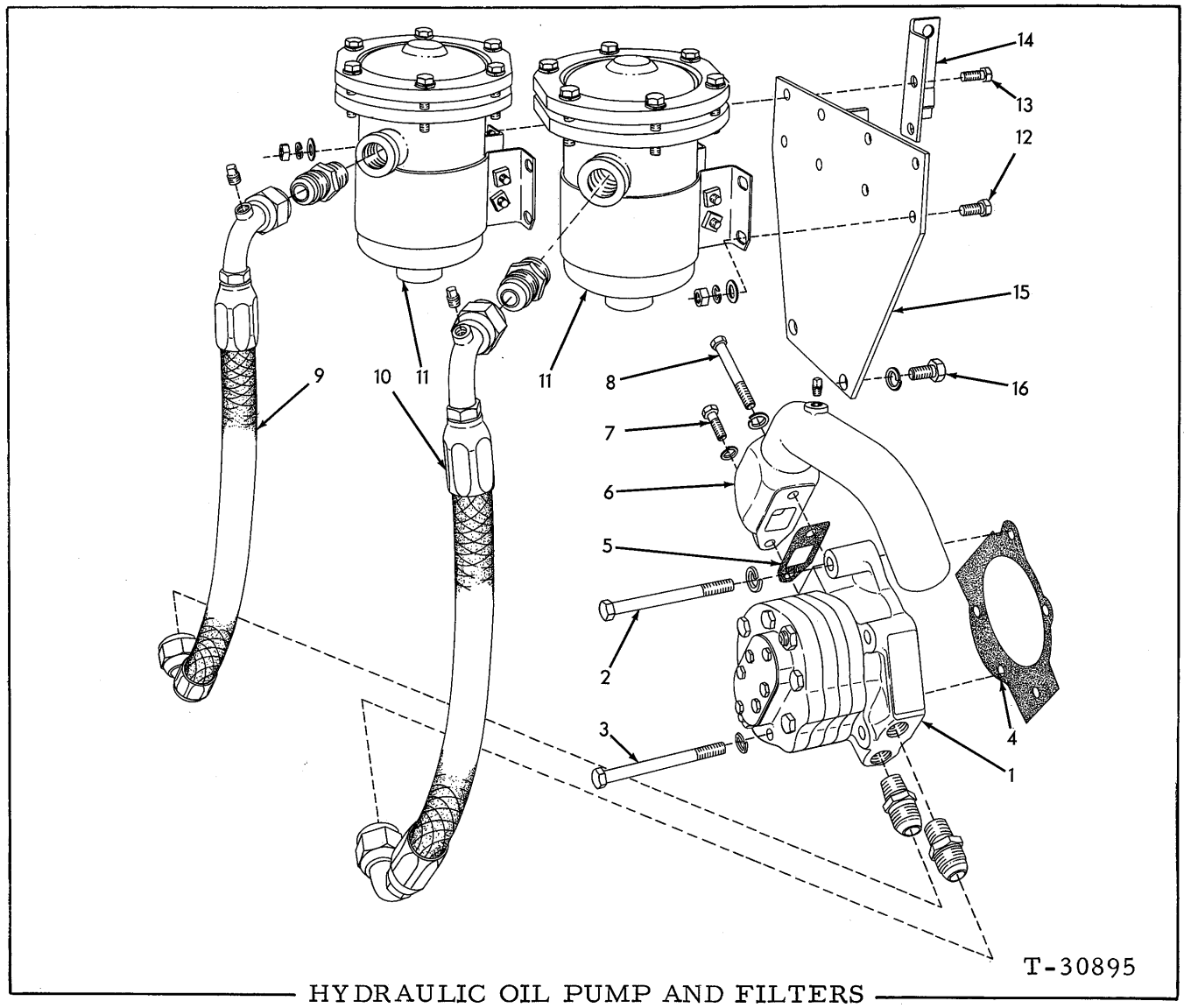
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ITEM	PART NO.	QUANTITY *	**	***	DESCRIPTION
14	70623268	1	1	1	SCREEN, oil
15	70624183	1	1	1	HOSE ASSEMBLY, filter to valve, left (See HOSE PARTS) (Used prior to tractor #5550)
	70919342	1	1	1	CONNECTOR, flare type, 3/4" tube, 3/4"NPT male
	70919615	1	1	1	CONNECTOR, flare type, 3/4" tube, 1/2"NPT male
	70631579	1	1	1	HOSE ASSEMBLY, filter to valve, left (See HOSE PARTS) (Effective with tractor #5550)
	70921840	1	1	1	ELBOW, flare type, swivel nut, 3/4" tube, 3/4"NPT male
	70919615	1	1	1	CONNECTOR, flare type, 3/4" tube, 1/2"NPT male
16	70624186	1	1	1	HOSE ASSEMBLY, filter to valve, right (See HOSE PARTS) (Used prior to tractor #5550)
	70919342	1	1	1	CONNECTOR, flare type, 3/4" tube, 3/4"NPT male
	70919615	1	1	1	CONNECTOR, flare type, 3/4" tube, 1/2"NPT male
	70631578	1	1	1	HOSE ASSEMBLY, filter to valve, right (See HOSE PARTS) (Effective with tractor #5550)
	70921840	1	1	1	ELBOW, flare type, swivel nut, 3/4" tube, 3/4"NPT male
	70919615	1	1	1	CONNECTOR, flare type, 3/4" tube, 1/2"NPT male
17	70623281	9	9	10	CLAMP, hose supporting (Half only. Plain holes)
	70914339	-	-	1	CAPSCREW, 3/8"NF x 2-3/4"
	70045174	6	6	8	CAPSCREW, 3/8"NF x 2-1/2"
	70046419	6	6	-	CAPSCREW, 3/8"NF x 2" (5 used on Model HD16FC)
	70917038	-	1	-	CAPSCREW, 3/8"NF x 3" (Model HD16FC only)
	70035336	-	-	3	CAPSCREW, 3/8"NF x 1-3/4"
	70904206	12	12	12	LOCKWASHER, 3/8"
	70911041	6	6	8	NUT, 3/8"NF
18	70623304	3	3	2	CLAMP, hose supporting (Half only. Threaded holes)
19	70089616	1	1	1	PLATE, hose supporting, rear
20	70070469	1	1	1	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	1	1	1	LOCKWASHER, 1/2"
	70911043	1	1	1	NUT, 1/2"NF
21	70628526	1	1	1	BRACKET, hose supporting, intermediate
22	70035067	2	2	2	CAPSCREW, 1/2"NF x 2"
	70904208	2	2	2	LOCKWASHER, 1/2"
	70911043	2	2	2	NUT, 1/2"NF
23	70089611	1	1	1	ANGLE, hose supporting, intermediate
24	70065588	1	1	-	CAPSCREW, 1/2"NF x 3-1/2"
	70042430	-	-	1	CAPSCREW, 1/2"NF x 3-1/4"
	70904208	1	1	1	LOCKWASHER, 1/2"
	70911043	1	1	1	NUT, 1/2"NF
25	70089612	2	2	2	ANGLE, hose supporting, front (Not used w/Hyd. Tilt)
26	70035712	4	4	4	CAPSCREW, 1/2"NC x 2-1/4"
	70904208	4	4	4	LOCKWASHER, 1/2"
	70911028	4	4	4	NUT, 1/2"NC

(Continued)

ITEM	PART NO.	QUANTITY *	**	***	DESCRIPTION
27	70097055	-	-	1	ANGLE, hose supporting, intermediate
28	70035014	-	-	1	CAPSCREW, 5/8"NF x 1-1/2"
	70904209	-	-	1	LOCKWASHER, 5/8"
29	------	-	-	-	VALVE, control (See CONTROL VALVE AND LINES)
30	70068157	1	1	-	BLOCK, clamp spacing (Used only with Hydraulic Tilt)
	70045174	1	1	-	CAPSCREW, 3/8"NF x 2-1/2" (Replaces CAPSCREW 046419)

EXCEPTIONS: Tractors serial No. 5316, 5317, 5320, 5321, 5322, 5326 and 5327



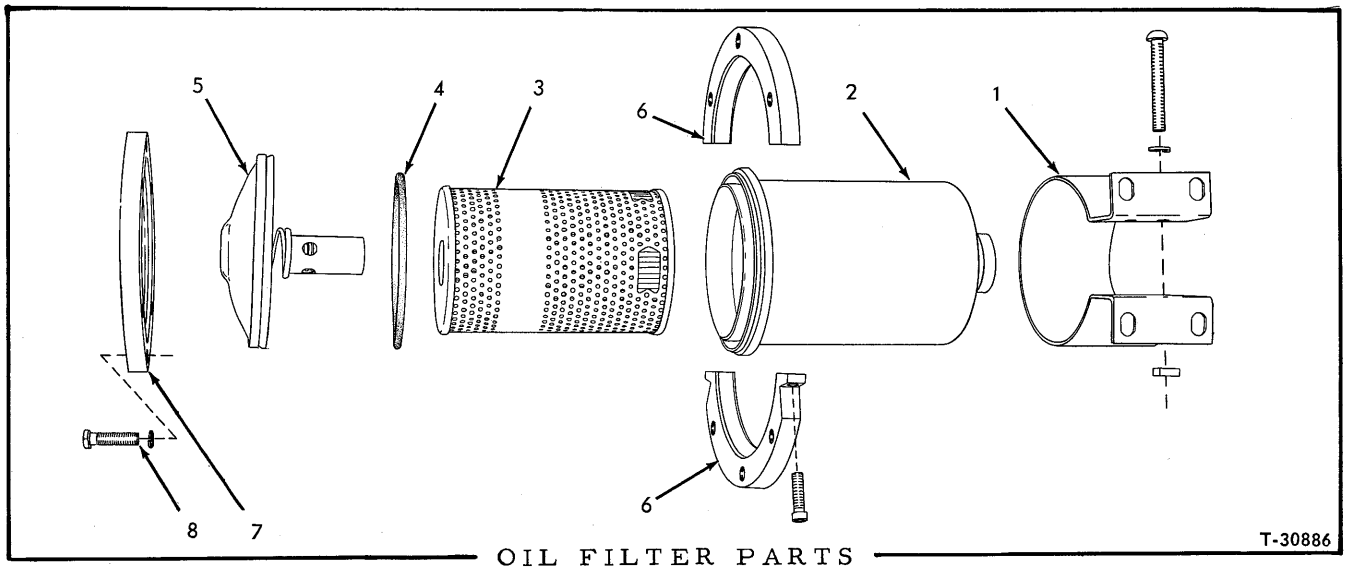
HYDRAULIC OIL PUMP AND FILTERS

USAGE: Tractors No. 5154 thru No. 5549; including No. 5104.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70099915	1	PUMP ASSY. (Roper. See page 357 for parts) (Original equipment. Can be replaced by PUMP ASSY., 70638911, 3 CAPSCREWS 70082013, 2 CAPSCREWS 70041250. If for tractors prior to #5315 also order TUBE 70645500. If for tractors #5315 and up also order TUBE 70640631)
	70638911	1	PUMP ASSY. (Webster. See page 357A for parts) (Used as service replacement for Pump Assy., 70099915. Provides 75% capacity increase)

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
1 (Cont.)	70654180	1	PUMP ASSY. ("Cessna") (See page 357C for parts) (Used as service replacement for Pump Assy., 70099915)
2	70082937	3	CAPSCREW, 3/8"NC x 4-1/2"
	70082013	3	CAPSCREW, 3/8"NC x 3-1/4" (For Pump 70638911 only)
	70904206	3	LOCKWASHER, 3/8"
3	70622781	2	CAPSCREW, 7/16"NC x 4-7/8"
	70041250	2	CAPSCREW, 7/16"NC x 1-1/4" (For Pump 70638911 only)
	70904207	2	LOCKWASHER, 7/16"
4	70082810	1	GASKET, hydraulic pump
5	70082811	1	GASKET, inlet elbow
6	70623171	1	ELBOW, pump inlet
	70901651	1	PLUG, pipe, 1/8"NPT
7	70041250	1	CAPSCREW, 7/16"NC x 1-1/4"
8	70082905	1	CAPSCREW, 7/16"NC x 3-1/4"
	70904207	2	LOCKWASHER, 7/16"
9	70623280	1	HOSE ASSY., pump to right filter (See page 6 for parts)
	70901651	1	PLUG, pipe, 1/8"NPT
	70919615	1	CONNECTOR, flare type, 3/4" tube, 1/2"NPT male
	70919342	1	CONNECTOR, flare type, 3/4" tube, 3/4"NPT male
10	70623278	1	HOSE ASSY., pump to left filter (See page 6 for parts)
	70901651	1	PLUG, pipe, 1/8"NPT
	70919615	1	CONNECTOR, flare type, 3/4" tube, 1/2"NPT male
	70919342	1	CONNECTOR, flare type, 3/4" tube, 3/4"NPT male
11	70629164	2	FILTER ASSY. (See page 368 for parts)(Used on tractors #5154 thru #5177, including #5104)(Order Filter Assy., 70629707)
	70629829	2	FILTER ASSY. (See page 368 for parts)(Used on tractors #5178 thru #5231)(Order Filter Assy., 70629707)
	70629707	2	FILTER ASSY. (See page 369 for parts)(Effective with tractor #5232)
12	70035167	6	CAPSCREW, 3/8"NF x 7/8"
13	70036034	2	CAPSCREW, 3/8"NF x 1"
	70911115	8	WASHER, plain, SAE std., 3/8"
	70904206	8	LOCKWASHER, 3/8"
	70911041	8	NUT, 3/8"NF
14	70623279	1	BRACKET, supporting
15	70623288	1	BRACKET, filter mounting
16	70035220	2	CAPSCREW, 1/2"NC x 1-1/8"
	70904208	2	LOCKWASHER, 1/2"

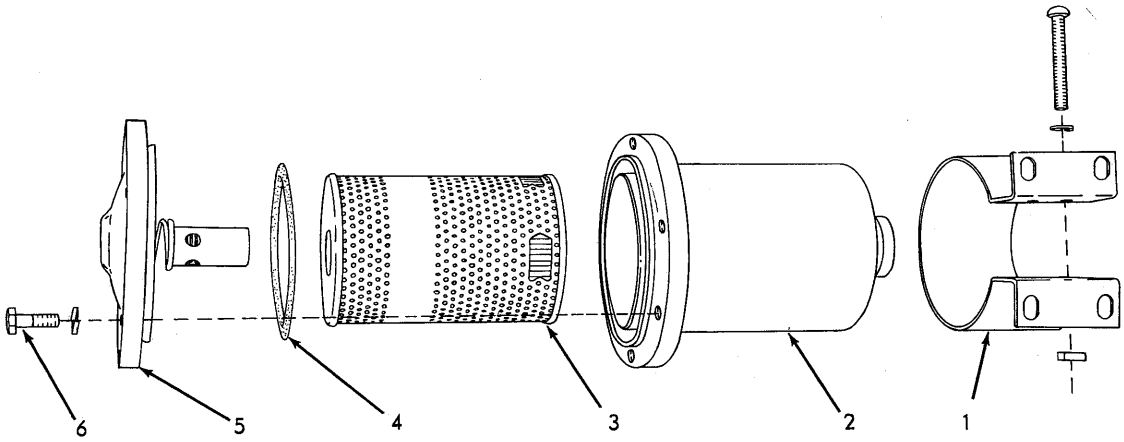


OIL FILTER PARTS

*70629164 FILTER ASSEMBLY (See page 366)
** 70629829 FILTER ASSEMBLY (See page 366)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
				NOTE: Quantities indicated are for one (1) filter assembly only
1	70623045	1	1	BRACKET ASSEMBLY, mounting (Includes hardware indented below)
	70903765	2	2	SCREW, machine, 5/16"NC x 2-1/2"
	70904205	2	2	LOCKWASHER, 5/16"
	70901151	2	2	NUT, square, 5/16"NC
2	70623048	1	1	CASE
3	70623049	1	1	ELEMENT PACKAGE (Includes item 4)
4	------	1	-	GASKET, case cover (Not serviced. Order O-RING 70607393)
	70607393	-	1	O-RING, case cover
5	70623046	1	1	COVER ASSEMBLY (Includes relief valve)
6	------	1	-	RING ASSEMBLY, lower (Includes CAPSCREW indented below)(Order CASE 70629643
	------	-	1	RING ASSEMBLY, lower (Includes CAPSCREW indented below)(Order CASE 70629643)
	70912262	2	2	CAPSCREW, hex-socket-hd., 1/4"NC x 1"
7	------	1	1	RING, upper (Order COVER ASSEMBLY 70629642)
8	70070960	6	-	CAPSCREW, 3/8"NC x 1-1/2"
	70013059	-	6	CAPSCREW, 3/8"NC x 2"
	70904206	6	6	LOCKWASHER, 3/8"

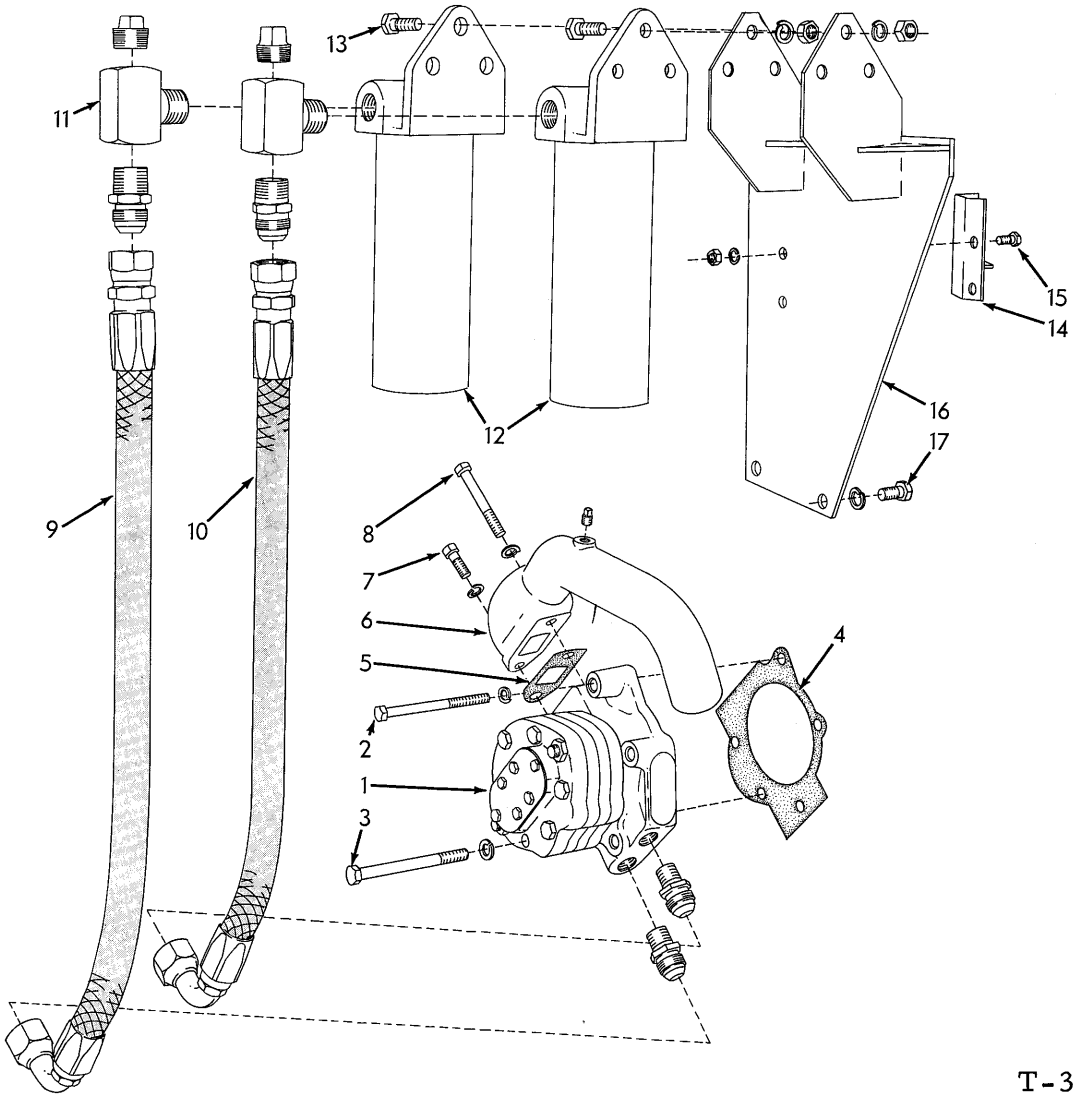
See FILTER ASSEMBLY 70629707



OIL FILTER ASSEMBLY 70629707

USAGE: See page 366

ITEM	PART NO.	QTY.	DESCRIPTION
			NOTE: Quantities indicated are for one (1) Filter Assembly only
1	70623045	1	BRACKET ASSEMBLY, mounting (Includes hardware indented below)
	70903765	2	SCREW, machine, 5/16"NC x 2-1/2"
	70904205	2	LOCKWASHER, 5/16"
	70901151	2	NUT, square, 5/16"NC
2	70629643	1	CASE (Includes lower clamp ring)
3	70623049	1	ELEMENT PACKAGE (Includes item 4)
4	70607393	1	O-RING, case cover
5	70629642	1	COVER ASSEMBLY (Includes relief valve and upper clamp ring)
6	70070960	6	CAPSCREW, 3/8"NC x 1-1/2"
	70904206	6	LOCKWASHER, 3/8"



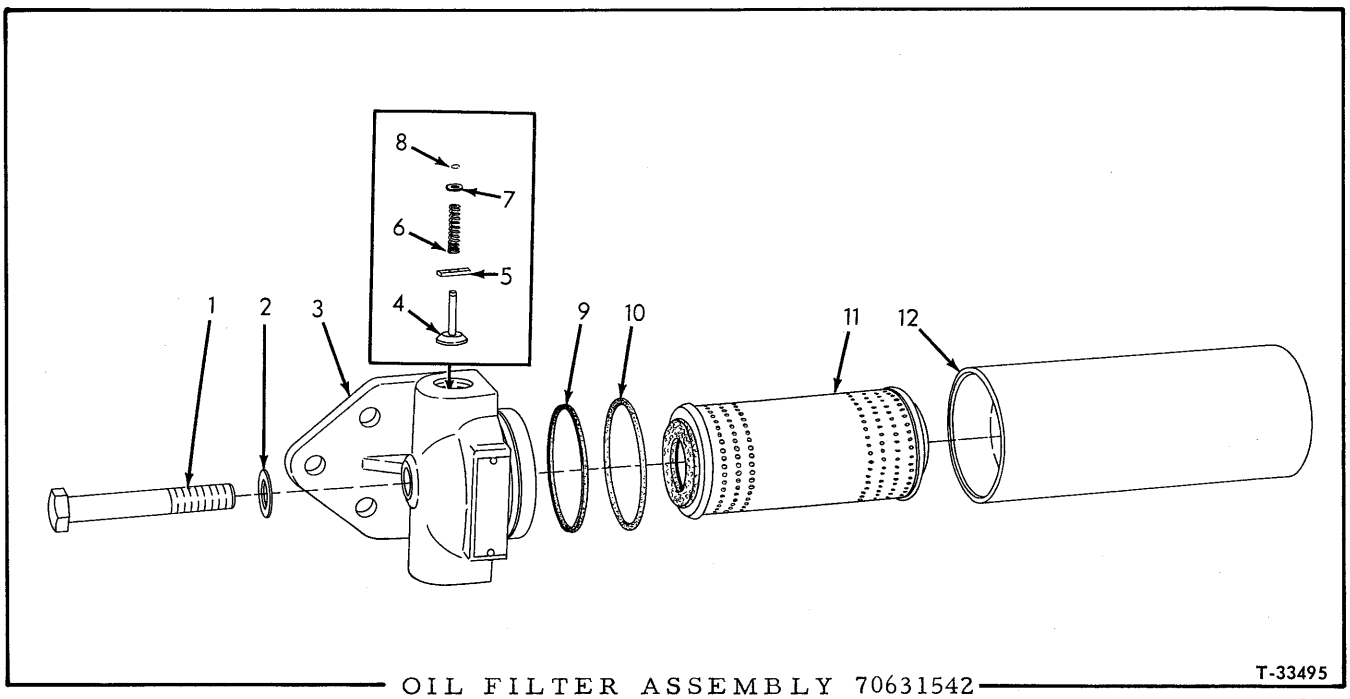
HYDRAULIC OIL PUMP AND FILTERS

USAGE: Tractors serial No. 5550 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	70099915	1	PUMP ASSY. (Roper. See page 357 for parts) (Original equipment. Can be replaced by Pump Assy. 70638911, 3 Capscrews 70082013, 2 Capscrews 70041250 and 1 Tube 70640631)
	70638911	1	PUMP ASSY. (Webster. See page 357A for parts) (Used as service replacement for Pump Assy. 70099915. Provides 75% capacity increase)
	70654180	1	PUMP ASSY. ("Cessna" See page 375C for parts) (Used as service replacement for Pump Assy. 70099915)
2	70082937	3	CAPSCREW, 3/8"NC x 4-1/2"
	70082013	3	CAPSCREW, 3/8"NC x 3-1/4" (For Pump 70638911 only)
	70904206	3	LOCKWASHER, 3/8"
3	70622781	2	CAPSCREW, 7/16"NC x 4-7/8"
	70041250	2	CAPSCREW, 7/16"NC x 1-1/4" (For Pump 70638911 only)
	70904207	2	LOCKWASHER, 7/16"

(Continued)

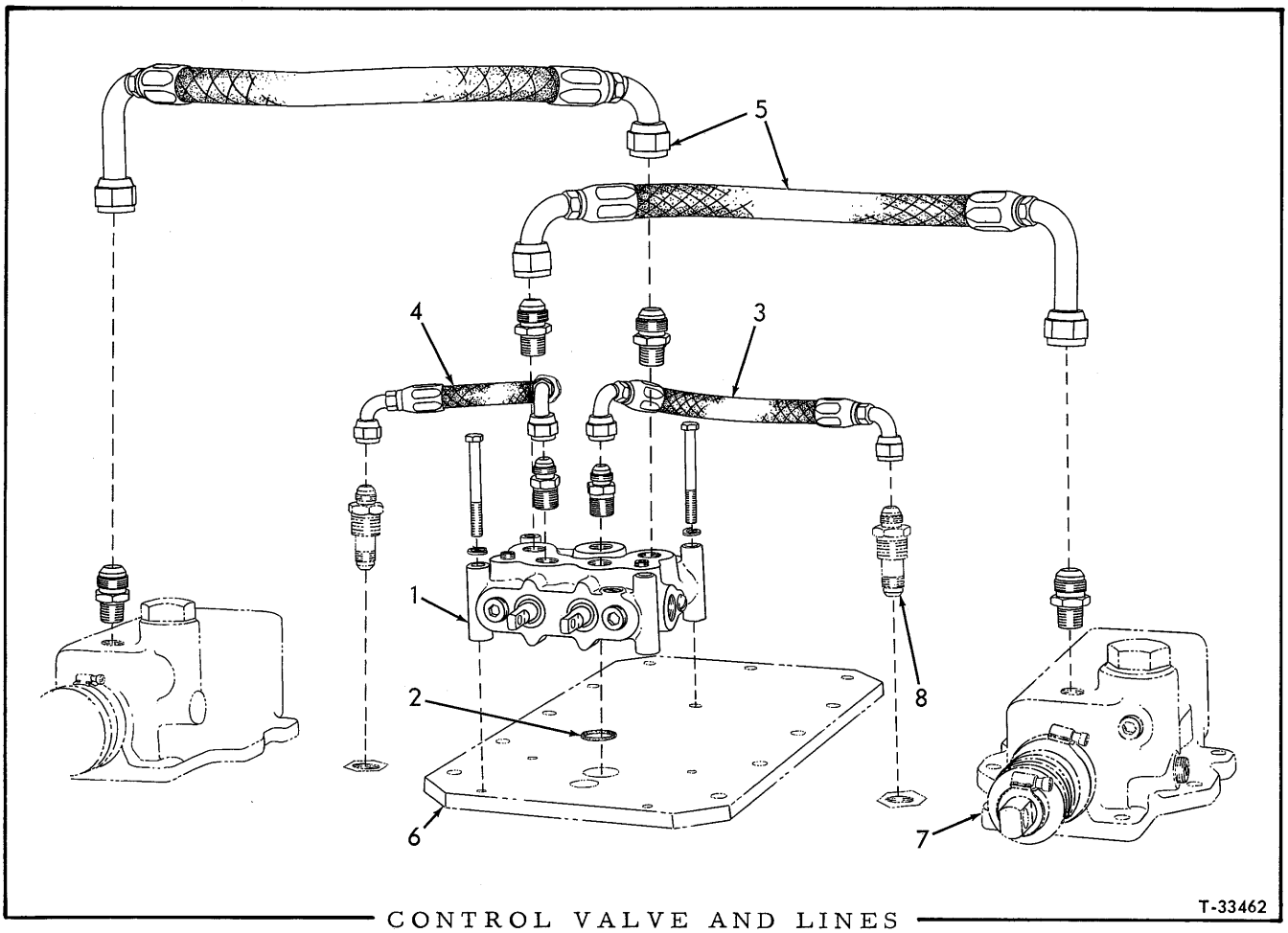
ITEM	PART NO.	QTY.	DESCRIPTION
4	70082810	1	GASKET, hydraulic pump
5	70082811	1	GASKET, inlet elbow
6	70623171	1	ELBOW, pump inlet
	70901651	1	PLUG, pipe, 1/8"NPT
7	70041250	1	CAPSCREW, 7/16"NC x 1-1/4"
8	70082905	1	CAPSCREW, 7/16"NC x 3-1/4"
	70904207	2	LOCKWASHER, 7/16"
9	70631503	1	HOSE ASSY., pump to right filter (See page 6 for parts)
	70919615	1	CONNECTOR, flare type, 3/4" tube, 1/2"NPT male
	70919342	1	CONNECTOR, flare type, 3/4" tube, 3/4"NPT male
10	70631502	1	HOSE ASSY., pump to left filter (See page 6 for parts)
	70919615	1	CONNECTOR, flare type, 3/4" tube, 1/2"NPT male
	70919342	1	CONNECTOR, flare type, 3/4" tube, 3/4"NPT male
11	70634096	2	TEE, pump hose
	70905262	2	PLUG, pipe, 3/4"NPT
12	70631542	2	FILTER ASSY. (See page 372 for parts)
13	70614478	6	CAPSCREW, 1/2"NF x 1-3/8"
	70904208	6	LOCKWASHER, 1/2"
	70911043	6	NUT, 1/2"NF
14	70623279	1	BRACKET, supporting
15	70035167	2	CAPSCREW, 3/8"NF x 7/8"
	70904206	2	LOCKWASHER, 3/8"
	70911041	2	NUT, 3/8"NF
16	70631501	1	BRACKET, filter mounting
17	70035220	2	CAPSCREW, 1/2"NC x 1-1/8"
	70904208	2	LOCKWASHER, 1/2"



OIL FILTER ASSEMBLY 70631542

USAGE: See page 370

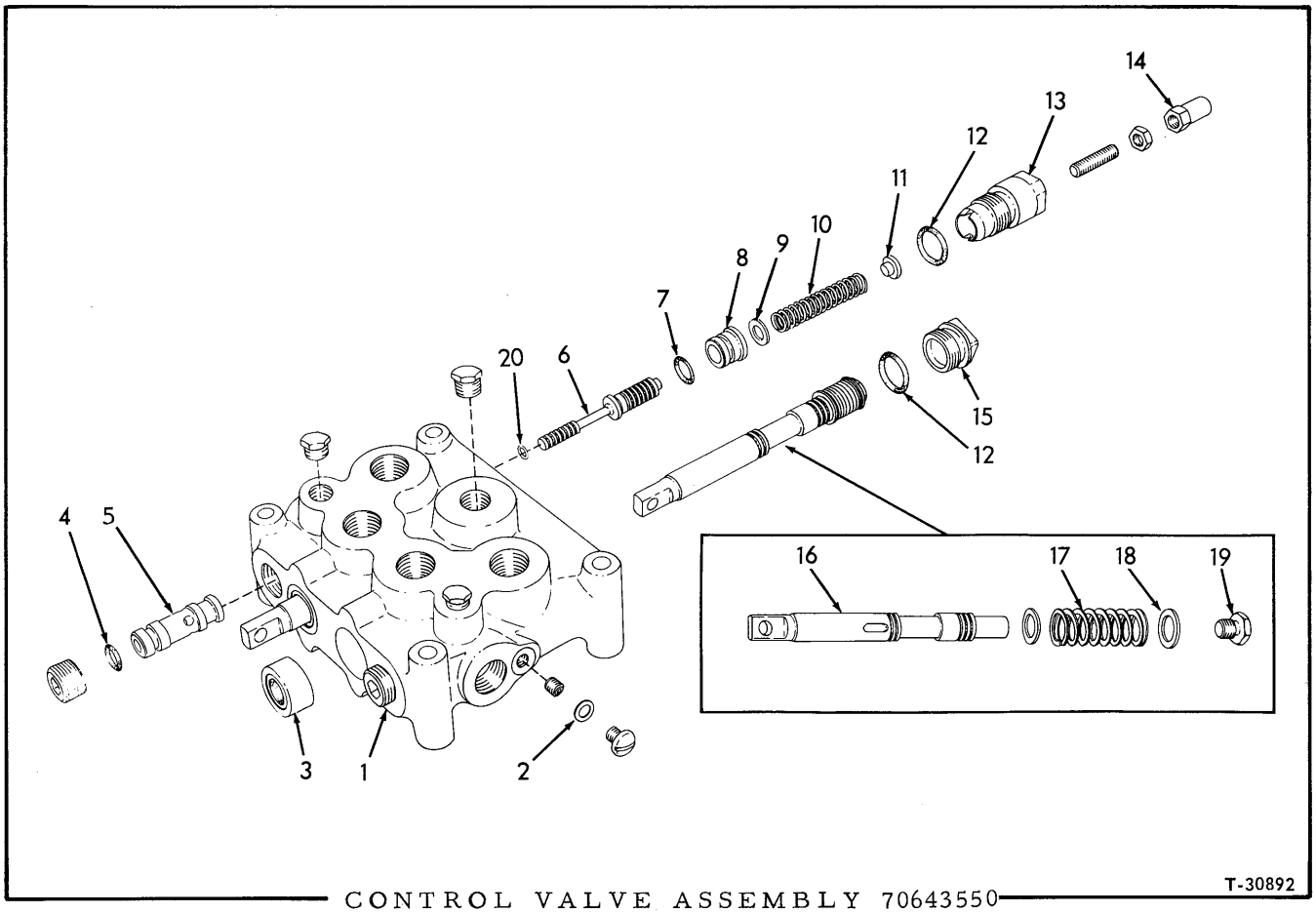
ITEM	PART NO.	QTY.	DESCRIPTION
1	70070299	1	CAPSCREW, head retaining (5/8"NF x 4")
2	70631869	1	WASHER, head retaining capscrew
3	70631846	1	HEAD
4	70631871	1	VALVE, by-pass (Requires snap ring)(Early units)
	70646302	1	VALVE, by-pass (Requires cotter pin)(Late units)
5	70631868	1	SPANNER, by-pass valve
6	70631870	1	SPRING, by-pass valve
7	70632060	1	WASHER, by-pass valve spring
8	70632061	1	RING, snap, by-pass valve (Early units)
	70900970	1	PIN, cotter, 1/16" x 1/2" (Late units)
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

USAGE: Tractors serial No. 5154 and up, including No. 5104

ITEM	PART NO.	QTY.	DESCRIPTION
1	70643550	1	VALVE ASSEMBLY, control (See page 374 for parts)
	70917151	4	CAPSCREW, 3/8"NF x 3-1/4"
	70904206	4	LOCKWASHER, 3/8"
2	70923575	1	O-RING, valve to compartment cover
3	70629785	1	HOSE ASSEMBLY, clutch control, left (See HOSE PARTS)
	70919128	1	CONNECTOR, flare type, 1/2" tube, 1/2"NPT male
4	70629780	1	HOSE ASSEMBLY, clutch control, right (See HOSE PARTS)
	70919128	1	CONNECTOR, flare type, 1/2" tube, 1/2"NPT male
5	70624187	2	HOSE ASSEMBLY, brake control (See HOSE PARTS) (Not for Model HD16GC)
	70623287	2	HOSE ASSEMBLY, brake control (See HOSE PARTS) (Model HD16GC only)
	70919615	4	CONNECTOR, flare type, 3/4" tube, 1/2"NPT male
6	------	-	COVER, bevel gear compartment (See STEERING CLUTCH AND FINAL DRIVE HOUSING)
7	------	-	VALVE ASSEMBLY (See HYDRAULIC BRAKES)
8	------	-	UNION (See STEERING CLUTCHES)



CONTROL VALVE ASSEMBLY 70643550

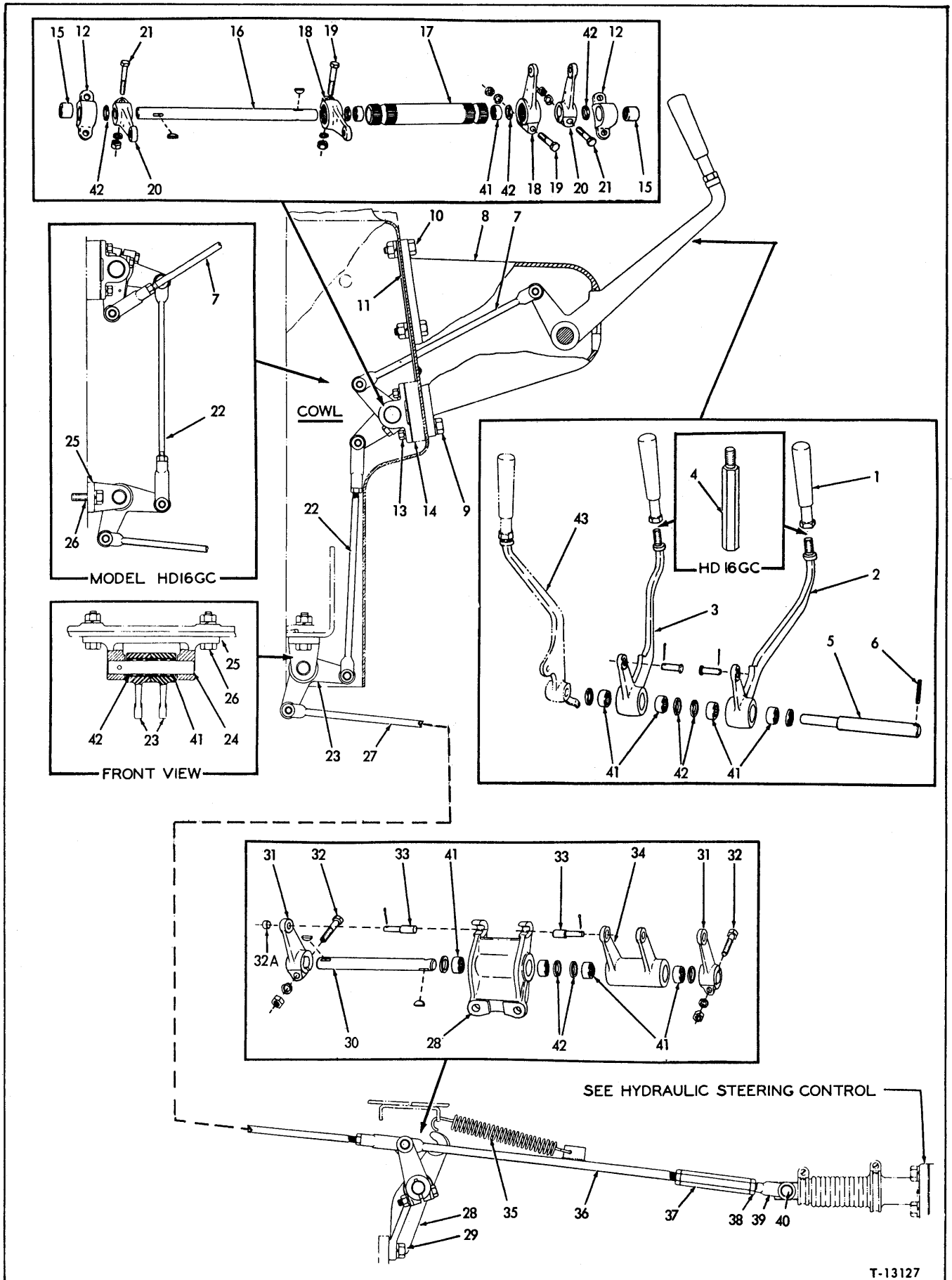
USAGE: See page 373

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	73001737	2	GASKET, plugging screw
3	70623420	2	SEAL, oil, operating plunger
4	70923548	2	O-RING, relief valve front seat
5	73014007	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

(Continued)

CONTROL VALVE ASSEMBLY 70643550 (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
10	70630528	2	SPRING, relief valve
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



STEERING LEVERS AND LINKAGE (First type)

STEERING LEVERS AND LINKAGE

USAGE: Tractors prior to serial No. 5154, excluding No. 5104

* Models HD16AC, DC, FC
** Model HD16GC
*** Models HD16A, D

ITEM	PART NO.	QUANTITY *	**	***	DESCRIPTION
1	70078620	2	2	2	GRIP, steering lever
2	70052583	1	-	1	LEVER, steering, left
	70090517	-	1	-	LEVER, steering, left
3	70052584	1	-	1	LEVER, steering, right
	70090518	-	1	-	LEVER, steering, right
4	70089182	-	2	-	EXTENSION, steering lever
5	70054236	1	1	1	SHAFT, steering lever
6	70915989	1	1	1	PIN, roll, 3/16" x 1-3/8"
7	70083265	2	-	2	ROD, control, upper
	70087635	-	2	-	ROD, control, upper
	70078810	4	4	4	PIN, yoke, 3/8" diam.
	70900801	4	4	4	PIN, cotter, 3/32" x 3/4"
	70628736	-	2	-	YOKE, rod end, adjustable, 3/8"NF
	70911041	-	2	-	NUT, 3/8"NF
8	70099571	1	1	1	BRACKET, steering lever
9	70070469	1	-	1	CAPSCREW, 1/2"NF x 1-1/4" (lower right hand position)
10	70035018	5	6	5	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	6	6	6	LOCKWASHER, 1/2"
	70911043	5	-	5	NUT, 1/2"NF
11	70083455	1	-	1	PLATE, air baffle, upper (Used prior to tractor #4001)
	70064531	2	-	2	WASHER, plain (Used prior to tractor #4001)
	70083995	1	-	1	PLATE, air baffle, lower (Used prior to tractor #4001)
	70094689	1	-	1	PLATE, air baffle (Effective with tractor #4001)
12	70052566	2	2	2	BLOCK, pillow, cross shaft
13	70036034	4	4	4	CAPSCREW, 3/8"NF x 1"
	70904206	4	4	4	LOCKWASHER, 3/8"
14	70061554	4	4	4	SHIM, aligning, upper cross shaft (Use as required)
15	70052644	2	2	2	BEARING, needle, upper cross shaft (3/4" long)
16	70083650	1	1	1	SHAFT, cross, upper
	70905123	2	2	2	KEY, #9 woodruff, 3/16" x 3/4"
17	70083648	1	1	1	TUBE, upper cross shaft levers

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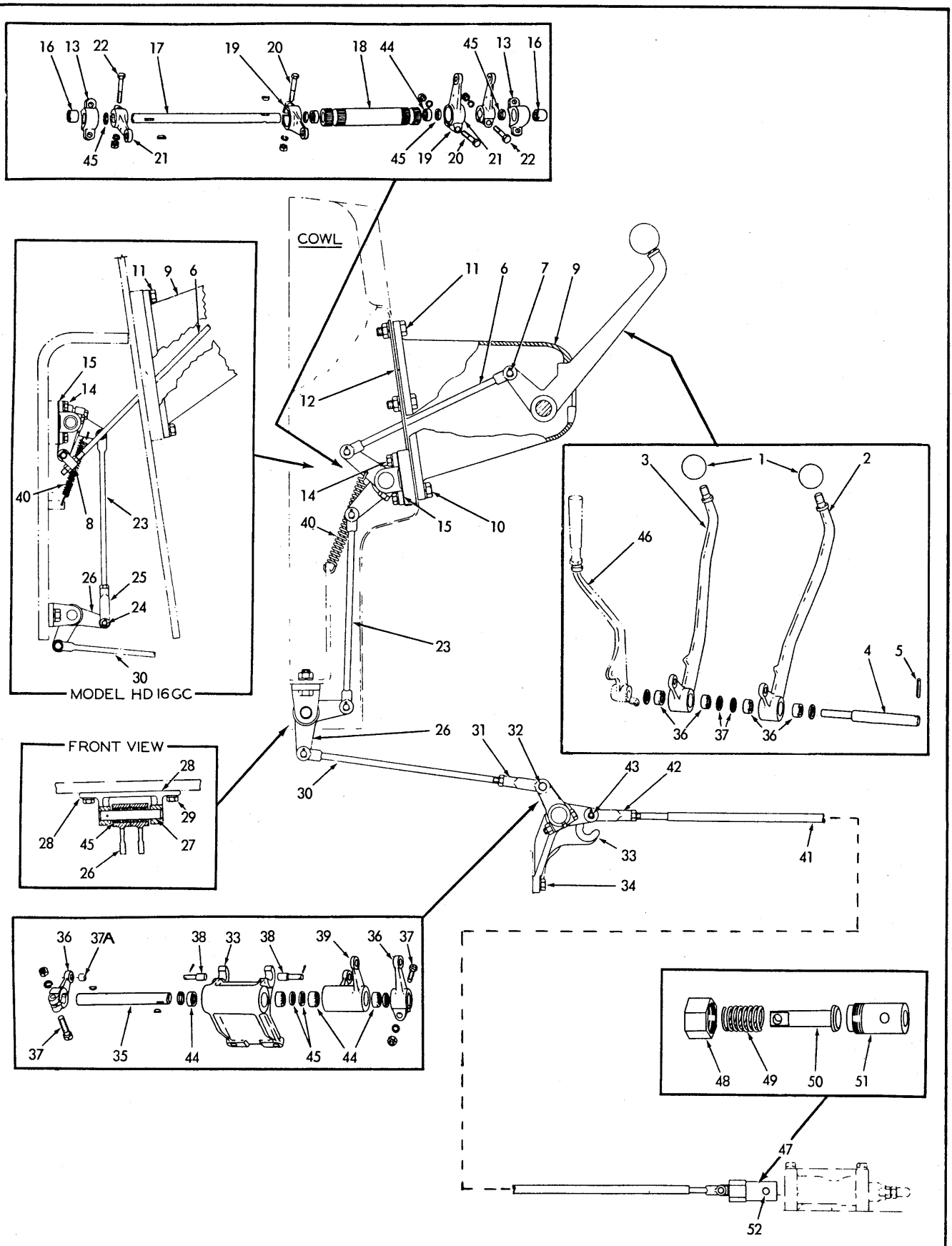
STEERING LEVERS AND LINKAGE (Continued)

ITEM	PART NO.	QUANTITY *	**	***	DESCRIPTION
18	70080499	2	2	2	LEVER, upper cross shaft tube
19	70046419	2	2	2	CAPSCREW, 3/8"NF x 2"
	70904206	2	2	2	LOCKWASHER, 3/8"
	70911041	2	2	2	NUT, 3/8"NF
20	70081300	2	2	2	LEVER, upper cross shaft
21	70046419	2	2	2	CAPSCREW, 3/8"NF x 2"
	70904206	2	2	2	LOCKWASHER, 3/8"
	70911041	2	2	2	NUT, 3/8"NF
22	70083339	2	-	2	ROD, control, vertical
	70084474	-	2	-	ROD, control, vertical
	70911041	2	2	2	NUT, 3/8"NF
	70628736	2	2	2	YOKE, rod end, adjustable, 3/8"NF
	70078810	4	4	4	PIN, yoke, 3/8" diam.
	70900801	4	4	4	PIN, cotter, 3/32" x 3/4"
23	70083782	2	2	2	BELLCRANK
24	70083798	1	1	1	SHAFT, bellcrank
	70915989	1	1	1	PIN, roll, 3/16" x 1-3/8"
25	70083826	1	1	1	BRACKET, bellcrank shaft
26	70070469	2	-	2	CAPSCREW, 1/2"NF x 1-1/4" (Not used with decelerator)
	70035073	2	-	2	CAPSCREW, 1/2"NF x 1-3/4" (Also attches decelerator cross shaft bracket)
	70035018	-	2	-	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	2	2	2	LOCKWASHER, 1/2"
	70911043	2	-	2	NUT, 1/2"NF
27	70081534	2	2	-	ROD, control, lower front (20-1/2" long)
	70081535	-	-	2	ROD, control, lower front (14-1/4" long)
	70911041	2	2	2	NUT, 3/8"NF
	70628736	2	2	2	YOKE, rod end, adjustable, 3/8"NF
	70078810	4	4	4	PIN, yoke, 3/8" diam.
	70900801	4	4	4	PIN, cotter, 3/32" x 3/4"
28	70099491	1	1	-	BRACKET, lower cross shaft
	70099574	-	-	1	BRACKET, lower cross shaft
29	70035733	2	2	-	CAPSCREW, 1/2"NC x 1-3/8"
	70904208	2	2	-	LOCKWASHER, 1/2"
30	70083803	1	1	1	SHAFT, cross, lower
	70905123	2	2	2	KEY, #9 woodruff, 3/16" x 3/4"

(Continued)

STEERING LEVERS AND LINKAGE (Continued)

ITEM	PART NO.	QUANTITY *	**	***	DESCRIPTION
31	70081300	2	2	-	LEVER, lower cross shaft (long)
	70630836	-	-	2	LEVER ASSEMBLY, lower cross shaft (short)(Includes item 32A)
32	70046419	2	2	2	CAPSCREW, 3/8"NF x 2"
	70904206	2	2	2	LOCKWASHER, 3/8"
	70911041	2	2	2	NUT, 3/8"NF
32A	70624584	2	2	2	BUSHING, lower cross shaft lever
33	70052564	2	2	2	PIN, control rod yoke
	70900801	2	2	2	PIN, cotter, 3/32" x 3/4"
34	70083066	1	1	-	LEVER, dual, lower cross shaft (long)
	70083802	-	-	1	LEVER, dual, lower cross shaft (short)
35	70043881	2	2	2	SPRING, control rod retracting
36	70081542	2	2	-	ROD, control, lower rear (16" long)
	70081532	-	-	2	ROD, control, lower rear (22" long)
	70911043	2	2	2	NUT, 1/2"NF
37	70052601	2	2	2	NUT, adjusting, rear control rod
38	70053005	2	2	2	NUT, rear control rod yoke (1/2"NF left hand thread)
39	70073034	2	2	2	YOKE, rear control rod
40	70049993	2	2	2	PIN, rear control rod yoke
	70900805	2	2	2	PIN, cotter, 1/8" x 3/4"
41	70052643	14	14	14	BEARING, needle, control linkage (1/2" long)
42	70052662	16	16	16	SEAL, dust, control linkage bearings
43	------	-	-	-	LEVER, throttle (See THROTTLE CONTROL)



STEERING LEVERS AND LINKAGE (Second type)

STEERING LEVERS AND LINKAGE

USAGE: Tractors serial No. 5154 and up, including No. 5104

* Models HD16AC, DC, FC
** Model HD16GC
*** Models HD16A, D

ITEM	PART NO.	QUANTITY *	**	***	DESCRIPTION
1	70090020	2	2	2	KNOB, steering lever
2	70052583	1	-	1	LEVER, steering, left
	70624225	-	1	-	LEVER, steering, left
3	70052584	1	-	1	LEVER, steering, right
	70624226	-	1	-	LEVER, steering, right
4	70054236	1	1	1	SHAFT, steering lever
5	70915989	1	1	1	PIN, roll, 3/16" x 1-3/8"
6	70083265	2	-	2	ROD, control, upper
	70624222	-	2	-	ROD, control, upper
	70911041	-	4	-	NUT, 3/8"NF
7	70078810	4	2	4	PIN, upper control rod
	70900801	4	2	4	PIN, cotter, 3/32" x 3/4"
8	70624223	-	2	-	YOKE, upper control rod
9	70099571	1	-	1	BRACKET, steering lever
	70624224	-	1	-	BRACKET, steering lever
10	70070469	1	-	1	CAPSCREW, 1/2"NF x 1-1/4" (lower right hand position)
11	70035018	5	5	5	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	6	5	6	LOCKWASHER, 1/2"
	70911043	5	-	5	NUT, 1/2"NF
12	70094689	1	-	1	PLATE, air baffle
13	70052566	2	2	2	BLOCK, pillow, cross shaft
14	70036034	4	4	4	CAPSCREW, 3/8"NF x 1"
	70904206	4	4	4	LOCKWASHER, 3/8"
15	70061554	4	4	4	SHIM, aligning, upper cross shaft (Use as required)
16	70052644	2	2	2	BEARING, needle, upper cross shaft (3/4" long)
17	70083650	1	1	1	SHAFT, cross, upper
	70905123	2	2	2	KEY, #9 woodruff, 3/16" x 3/4"
18	70083648	1	1	1	TUBE, upper cross shaft levers

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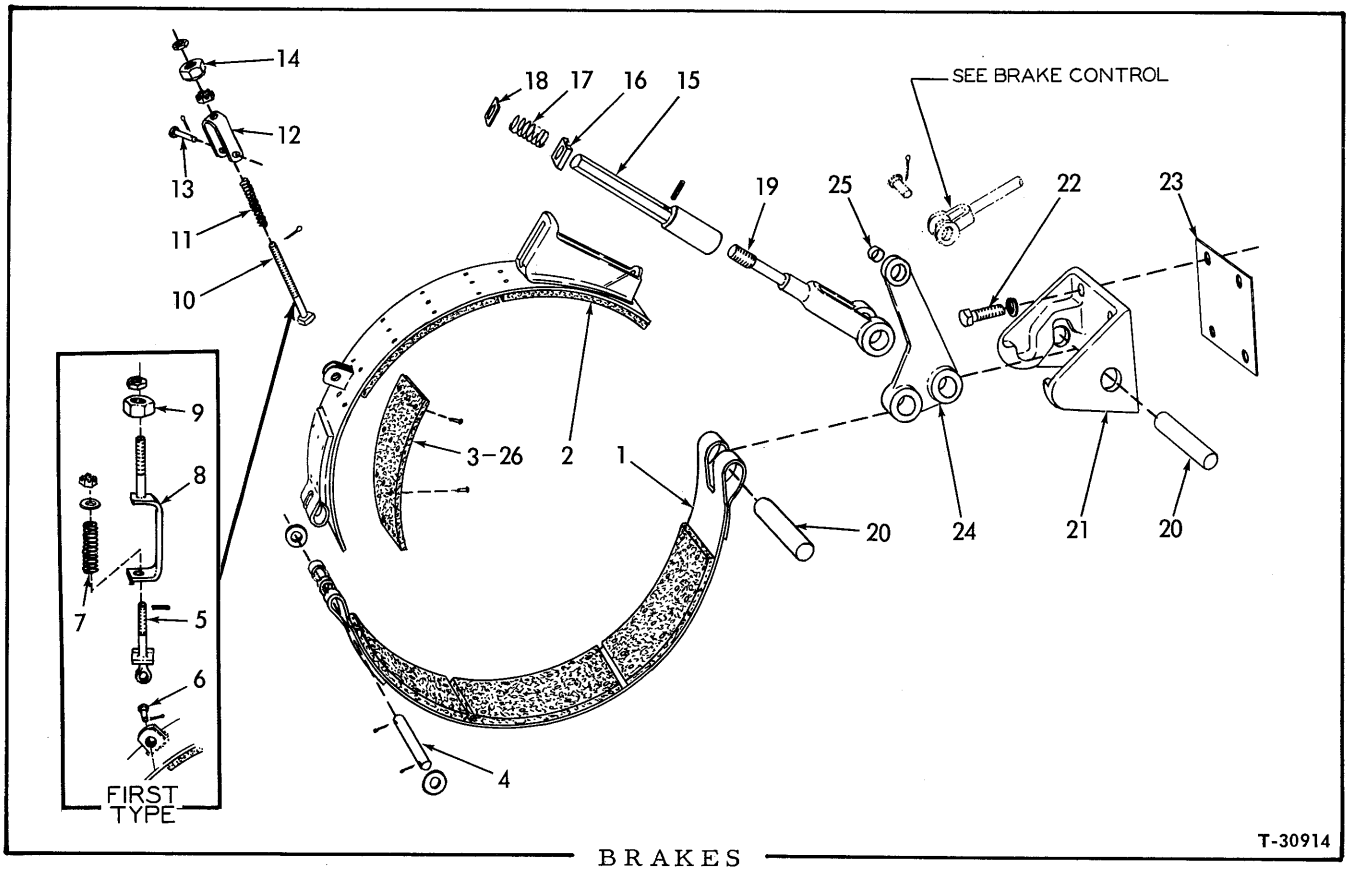
STEERING LEVERS AND LINKAGE (Continued)

ITEM	PART NO.	QUANTITY *	**	***	DESCRIPTION
19	70630841	2	-	2	LEVER, upper cross shaft tube
	70080499	-	2	-	LEVER, upper cross shaft tube
20	70046419	2	2	2	CAPSCREW, 3/8"NF x 2"
	70904206	2	2	2	LOCKWASHER, 3/8"
	70911041	2	2	2	NUT, 3/8"NF
21	70630837	2	-	2	LEVER, upper cross shaft
	70081300	-	2	-	LEVER, upper cross shaft
22	70046419	2	2	2	CAPSCREW, 3/8"NF x 2"
	70904206	2	2	2	LOCKWASHER, 3/8"
	70911041	2	2	2	NUT, 3/8"NF
23	70097094	2	-	2	ROD, control, vertical
	70084474	-	2	-	ROD, control, vertical
	70911041	-	2	-	NUT, 3/8"NF
24	70078810	4	4	4	PIN, vertical control rod
	70900801	4	4	4	PIN, cotter, 3/32" x 3/4"
25	70628736	-	2	-	YOKE, vertical control rod
26	70083782	2	2	2	BELLCRANK
27	70083798	1	1	1	SHAFT, bellcrank
	70915989	1	1	1	PIN, roll, 3/16" x 1-3/8"
28	70083826	1	1	1	BRACKET, bellcrank shaft
29	70070469	-	-	2	CAPSCREW, 1/2"NF x 1-1/4" (Not used with decelerator)
	70035073	2	-	2	CAPSCREW, 1/2"NF x 1-3/4" (Also attaches decelerator cross shaft bracket)
	70035018	-	2	-	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	2	2	2	LOCKWASHER, 1/2"
	70911043	2	-	2	NUT, 1/2"NF
30	70081534	2	2	-	ROD, control, lower front (20-1/2" long)
	70624050	-	-	2	ROD, control, lower front (13-1/2" long)
	70911041	2	2	2	NUT, 3/8"NF
31	70628736	2	2	2	YOKE, lower front control rod
32	70078810	4	4	4	PIN, lower front control rod
	70900801	4	4	4	PIN, cotter, 3/32" x 3/4"
33	70623290	1	1	1	BRACKET, lower cross shaft
34	70035733	2	2	2	CAPSCREW, 1/2"NC x 1-3/8"
	70904208	2	2	2	LOCKWASHER, 1/2"

(Continued)

STEERING LEVERS AND LINKAGE (Continued)

ITEM	PART NO.	QUANTITY *	**	***	DESCRIPTION
35	70624180	1	1	1	SHAFT, cross, lower
	70905123	2	2	2	KEY, #9 woodruff, 3/16" x 3/4"
36	70630836	2	2	2	LEVER ASSEMBLY, lower cross shaft (Includes item 37A)
37	70046419	2	2	2	CAPSCREW, 3/8"NF x 2"
	70904206	2	2	2	LOCKWASHER, 3/8"
	70911041	2	2	2	NUT, 3/8"NF
37A	70624584	2	2	2	BUSHING, lower cross shaft lever
38	70052564	2	2	2	PIN, control rod yoke
	70900801	2	2	2	PIN, cotter, 3/32" x 3/4"
39	70624184	1	1	1	LEVER, dual, lower cross shaft
40	70072438	2	2	2	SPRING, control rod retracting
41	70630866	2	2	-	ROD, control, lower rear (If for tractors prior to #5368 also order items 47 and 52)
	70630874	-	-	2	ROD, control, lower rear (If for tractors prior to #5368 also order items 47 and 52)
	70911041	2	2	2	NUT, 3/8"NF
42	70628736	2	2	2	YOKE, lower rear control rod (Original equipment)
	70644578	2	2	2	YOKE, lower rear control rod (Service replacement. Used only on tractors equipped with field brake changeover kit for increased mechanical advantage)
43	70627451	2	2	2	PIN, lower rear control rod
	70900801	2	2	2	PIN, cotter, 3/32" x 3/4"
44	70052643	14	14	14	BEARING, needle, control linkage (1/2" long)
45	70052662	16	16	16	SEAL, dust, control linkage bearings
46	------	2	2	2	LEVER, throttle (See THROTTLE CONTROL)
47	70656151	2	2	2	OVERTRAVEL ASSEMBLY (Consists of items 48 thru 51) (Effective with tractor #5368)
48	------	2	2	2	CAP, overtravel
49	------	2	2	2	SPRING, overtravel
50	------	2	2	2	PLUNGER, overtravel
51	------	2	2	2	SEAT, overtravel
					Not serviced separately
52	70630833	2	2	2	PIN, overtravel (Effective with tractor #5368)
	70900801	2	2	2	PIN, cotter, 3/32" x 3/4"



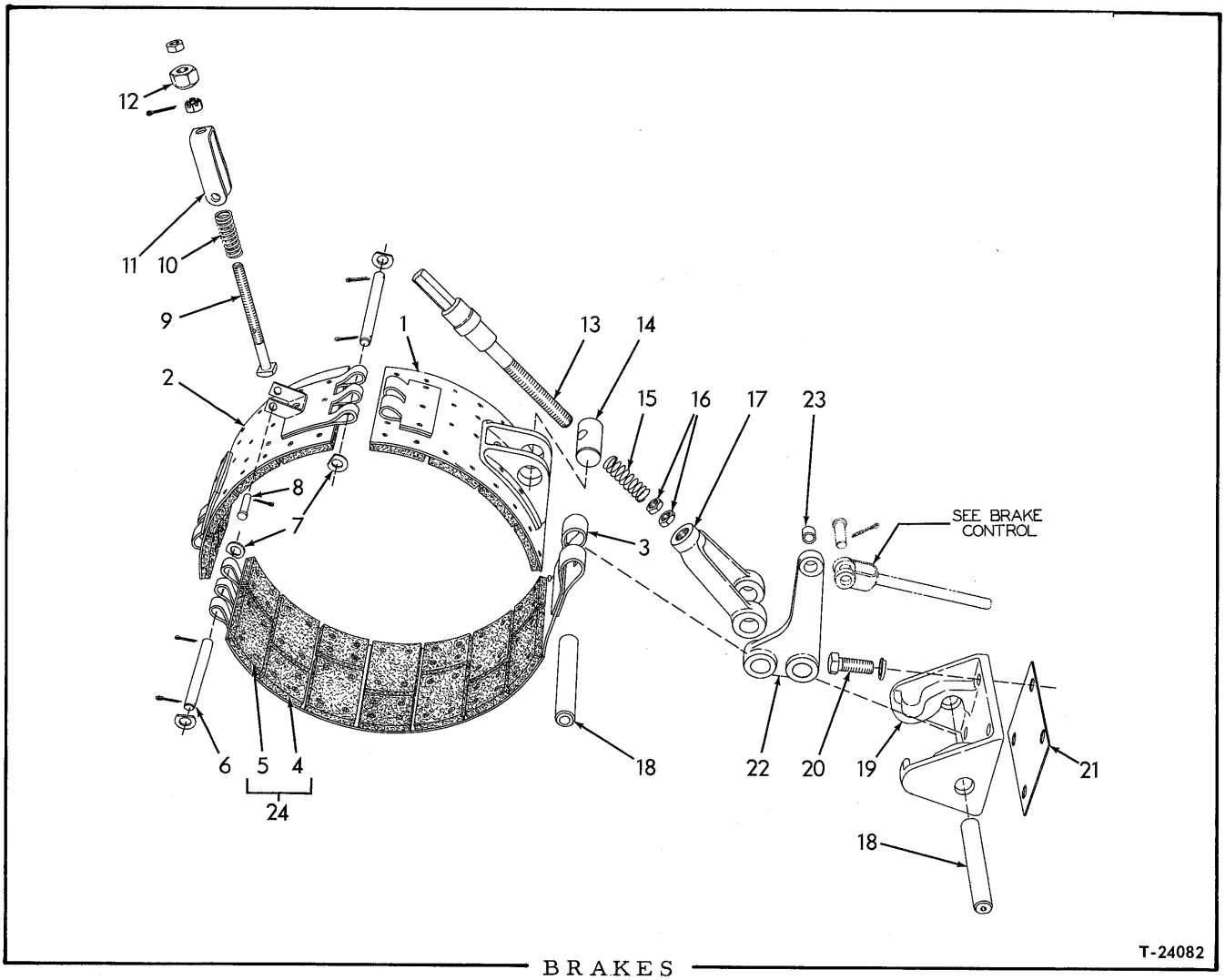
BRAKES

USAGE: Tractors prior to serial No. 4560 excluding EXCEPTIONS below

ITEM	PART NO.	QTY.	DESCRIPTION
1	70059063	2	BAND ASSEMBLY, brake, bottom section (Each includes 3 LININGS 70058308, 27 RIVETS 70911097 and 6 RIVETS 70915369)
2	70058940	2	BAND ASSEMBLY, brake, top section (Each includes 3 LININGS 70058308, 22 RIVETS 70911097 and 10 RIVETS 70915369)
3	70058308	12	LINING, brake band } See item 26
	70911097	98	RIVET, tubular, brass, fl-hd., 3/16" x 3/8" } See item 26
	70915639	32	RIVET, tubular, brass, fl-hd., 3/16" x 21/32" } See item 26
4	70059096	2	PIN, hinge, brake band
	70910244	4	WASHER, plain, SAE std., 1/2"
	70900805	4	PIN, cotter, 1/8" x 3/4"
			NOTE: Items 5 thru 9 comprise the First type Band Support used on tractors prior to serial No. 3041
5	70060772	2	BOLT, eye, band supporting
	70910863	2	NUT, slotted, 3/8"NF
	70900817	2	WASHER, plain, U.S. std., 3/8"
	70900802	2	PIN, cotter, 3/32" x 1"
6	70917646	2	PIN, eye bolt
	70900942	2	PIN, cotter, 3/32" x 5/8"
7	70060668	2	SPRING, band supporting eye bolt
8	70060770	2	SUPPORT, brake band adjustment
	70913830	2	NUT, jam, 1/2"NF
9	70060774	2	NUT, brake band adjustment support

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
			NOTE: Items 10 thru 14 comprise the Second type Band Support effective with tractor serial No. 3041
10	70095215	2	BOLT, band supporting
	70910867	2	NUT, slotted, 1/2"NF
	70900807	2	PIN, cotter, 1/8" x 1-1/4"
	70913830	2	NUT, jam, 1/2"NF
11	70095214	2	SPRING, band supporting
12	70095216	2	YOKE, band supporting
13	70085038	2	PIN, band supporting yoke
	70900942	2	PIN, cotter, 3/32" x 5/8"
14	70060774	2	NUT, band supporting bolt
15	70078990	2	ADJUSTER, brake band
	70915634	2	PIN, roll, 1/4" x 1-1/8"
16	70079208	2	BLOCK, adjuster spring
17	70079203	2	SPRING, adjuster
18	70079212	2	WASHER, adjuster spring
19	70059113	2	FORK, brake band adjusting
20	70059097	4	PIN, brake band
21	70059098	2	BRACKET, brake lever (Used prior to tractor #4277)
	70099420	2	BRACKET, brake lever (Effective with tractor #4277)
22	70023465	8	CAPSCREW, 5/8"NF x 1-3/4" } Used prior to tractor #4277
	70904209	8	LOCKWASHER, 5/8"
	70072595	8	CAPSCREW, 3/4"NF x 1-3/4" } Effective with tractor #4277
	70904369	8	LOCKWASHER, 3/4"
23	70099428	2	SHIM, brake lever bracket (Use as required)
24	70067634	2	LEVER ASSEMBLY, brake band (Includes item 25)
25	70052669	2	BUSHING, brake band lever
26	70076124	2	LINING KIT, brake band (Includes linings and attaching rivets for one (1) side only)
			EXCEPTIONS: Tractor serial Nos. 4253, 4260, 4364, 4369, 4385, 4390, 4396, 4397, 4403, 4421, 4426, 4427, 4432, 4439, 4445, 4450, 4474, 4475, 4480, 4481, 4486, 4487, 4492, 4498, 4501, 4505, 4507, 4508, 4516, 4524, 4525, 4530, 4534, 4540, 4541, 4542, 4545, 4546, 4547, 4548, 4550, 4551, 4552, 4554, 4555, 4557, 4559



BRAKES

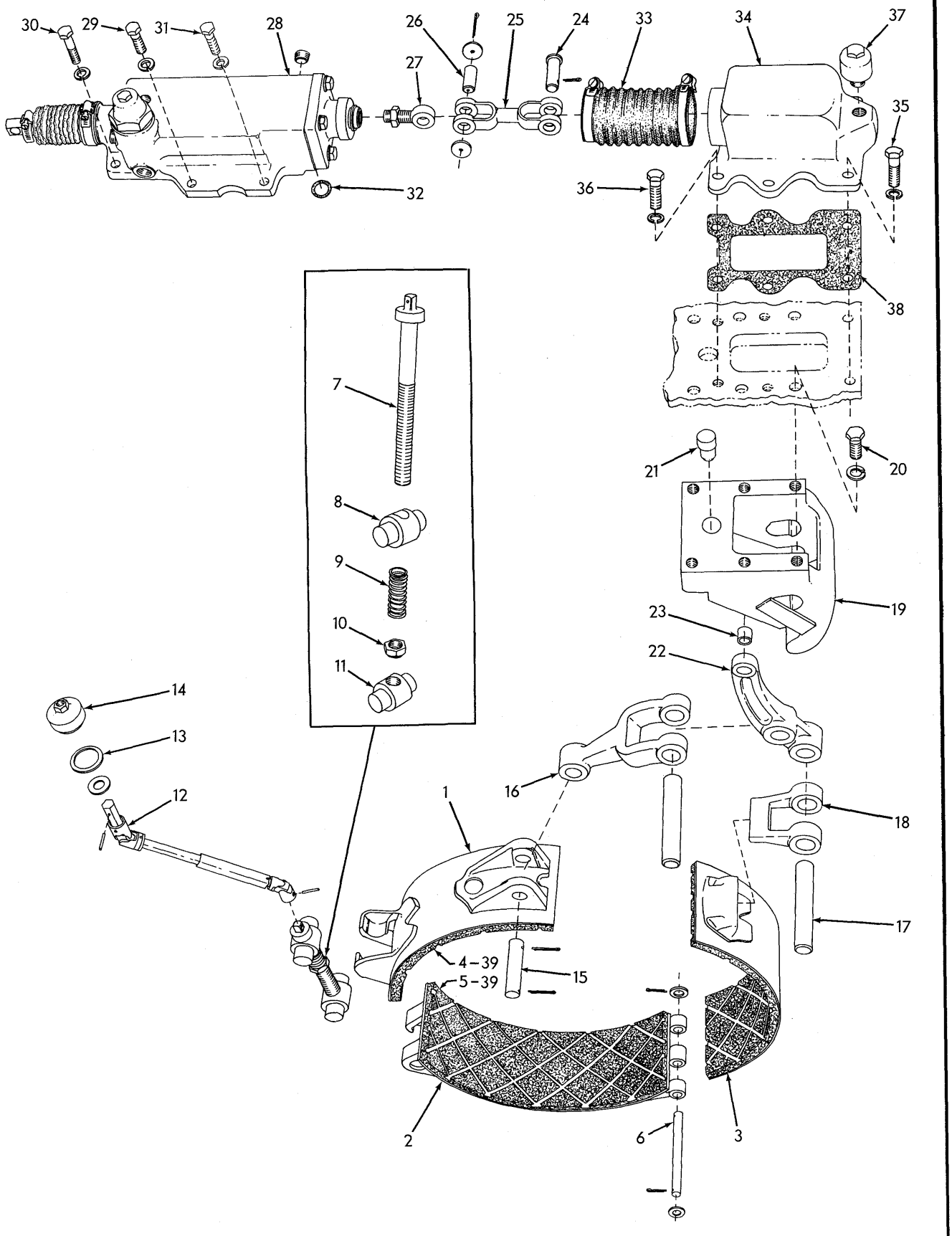
USAGE: Tractors serial No. 4560 thru No. 5153 including EXCEPTIONS below, but excluding No. 5104

ITEM	PART NO.	QTY.	DESCRIPTION
1	70099275	2	BAND ASSEMBLY, top section (Each includes 4 LININGS 70099272, 4 LININGS 70099273, 25 RIVETS 70920218 anc 7 RIVETS 70920257)
2	70099276	2	BAND ASSEMBLY, intermediate section (Each includes 4 LININGS 70099272, 4 LININGS 70099273, 24 RIVETS 70920218 and 8 RIVETS 70920257)
3	70099274	2	BAND ASSEMBLY, bottom section (Each includes 7 LININGS 70099272, 7 LININGS 70099273, 52 RIVETS 70920218 and 4 RIVETS 70920257)
4	70099272	30	LINING, brake band (2-1/2" long) } See item 24
	70920218	102	RIVET, tubular, steel, 3/16" x 7/16" } See item 24
	70920257	18	RIVET, tubular, steel, 3/16" x 23/32" } See item 24

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
5	70099273	30	LINING, brake band (4-3/16" long)
	70920218	108	RIVET, tubular, steel, 3/16" x 7/16" } See item 24
	70920257	12	RIVET, tubular, steel, 3/16" x 23/32"
6	70059096	4	PIN, hinge,brake band
	70900805	8	PIN, cotter, 1/8" x 3/4"
7	70099271	8	WASHER, band hinge pin
8	70097880	2	PIN, band supporting yoke
	70900942	2	PIN, cotter, 3/32" x 5/8"
9	70095215	2	BOLT, band supporting
	70910867	2	NUT, slotted, 1/2"NF
	70900807	2	PIN, cotter, 1/8" x 1-1/4"
	70913830	2	NUT, jam, 1/2"NF
10	70095214	2	SPRING, band supporting
11	70095216	2	YOKE, band supporting
12	70060774	2	NUT, band supporting bolt
13	70099280	2	SCREW, band adjusting
14	70099320	2	PIN, swivel band adjusting screw
15	70099281	2	SPRING, band adjusting screw
16	70091420	4	NUT, band adjusting screw
17	70099277	2	YOKE, band adjusting screw
18	70059097	4	PIN, brake band
19	70099420	2	BRACKET, brake lever
20	70072595	8	CAPSCREW, 3/4"NF x 1-3/4"
	70904369	8	LOCKWASHER, 3/4"
21	70099428	2	SHIM, brake lever bracket (Use as required)
22	70067634	2	LEVER ASSEMBLY, brake band (Includes item 23)
23	70052669	2	BUSHING, brake band lever
24	70099584	2	LINING KIT, brake band (Includes feramic linings and attaching rivets for one (1) side only. Original equipment)
	70628679	2	LINING KIT, brake band (Includes molded type linings and attaching rivets for one (1) side only. Service replacement)

EXCEPTIONS: Tractor serial No. 4253, 4260, 4364, 4369, 4385, 4390, 4396, 4397, 4403, 4421, 4426, 4427, 4432, 4439, 4445, 4450, 4474, 4475, 4480, 4481, 4486, 4487, 4492, 4498, 4501, 4505, 4507, 4508, 4516, 4524, 4525, 4530, 4534, 4540, 4541, 4542, 4545, 4546, 4547, 4548, 4550, 4551, 4552, 4554, 4555, 4557, 4559


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HYDRAULIC BRAKES

USAGE: Tractors serial No. 5154 and up, including No. 5104

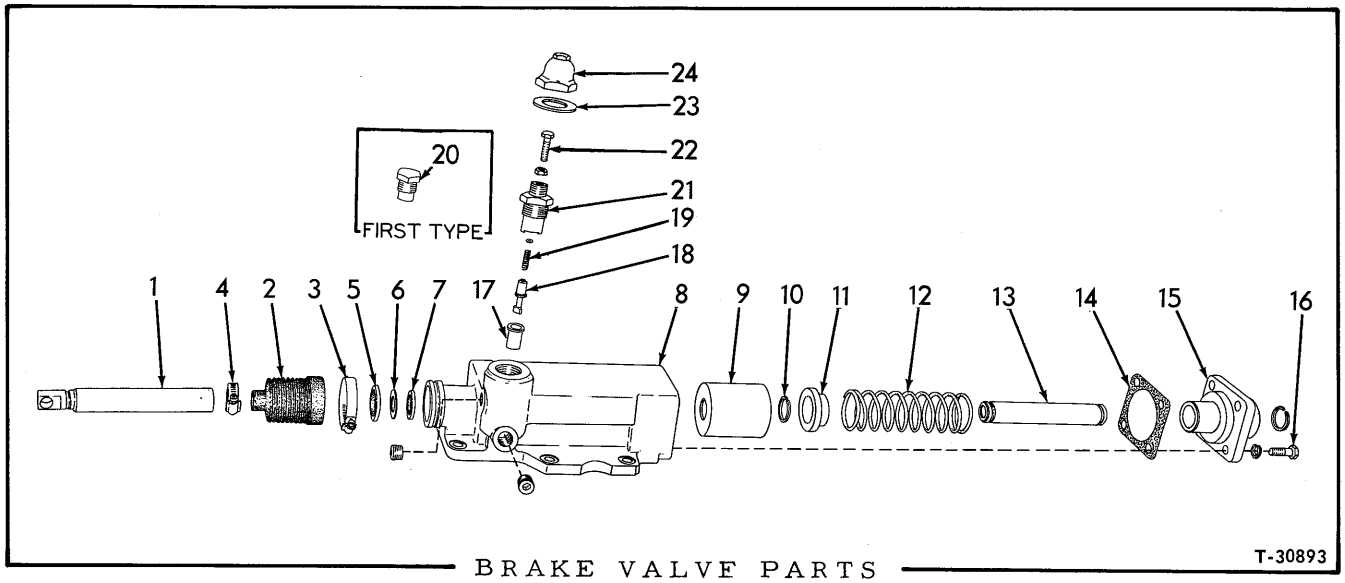
ITEM	PART NO.	QTY.	DESCRIPTION
1	70638026	2	BAND ASSEMBLY, top section (Includes bonded lining)
2	70638028	2	BAND ASSEMBLY, bottom section (Includes bonded lining)
3	70638027	2	BAND ASSEMBLY, rear section (Includes bonded lining)
4	70623638	2	LINING, top band (Used prior to tractor #5758)
	70910914	48	RIVET, tubular, brass, 3/16" x 1/2"
5	70622717	4	LINING, bottom and rear bands (Used prior to tractor #5758)
	70910914	108	RIVET, tubular, brass, 3/16" x 1/2"
			} See item 39
6	70623130	2	PIN, band hinge
	70912900	4	WASHER, plain, 21/32" x 1" x .109
	70900806	4	PIN, cotter, 1/8" x 1"
7	70623168	2	SCREW, band adjusting
8	70623181	2	PIN, adjusting screw, upper band
9	70623180	2	SPRING, band adjusting screw
10	70623179	2	NUT, band adjusting screw
11	70623153	2	PIN, adjusting screw, bottom band
12	70623560	2	DRIVE ASSEMBLY, universal, band adjustment (Serviced only as a unit)
	70921330	2	PIN, roll, 7/32" x 1-1/8" (lower)
	70920335	2	PIN, roll, 5/32" x 1-1/8" (upper)
	70624076	2	WASHER, plain
13	70623144	2	GASKET, brake adjustment hole plug
14	70653773	2	PLUG, brake adjustment hole
15	70623132	2	PIN, top band
	70900808	4	PIN, cotter, 1/8" x 1-1/2"
16	70623133	2	YOKE, brake band, upper
17	70623131	4	PIN, band yoke
18	70623157	2	YOKE, brake band, lower (Original equipment)
	70623158	2	* YOKE, brake band, lower (Service replacement)
19	70623637	2	BRACKET ASSEMBLY, band lever (Includes item 21)(Original equipment)
	70642880	2	* BRACKET ASSEMBLY, band lever (Includes item 21)(Service replacement)
20	70023465	12	CAPSCREW, 5/8"NF x 1-3/4"
	70904209	12	LOCKWASHER, 5/8"

* Used only on tractors equipped with field changeover kits for increased mechanical advantage

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
21	70643740	2	PIN, band lever bracket
22	70623774	2	LEVER ASSEMBLY, band operating (Includes item 23)(Original equipment)
	70643138	2	* LEVER ASSEMBLY, band operating (Includes item 23)(Service replacement)
23	70623164	2	BUSHING, band operating lever
24	70623139	2	PIN, connecting rod, rear
	70910302	2	PIN, cotter, 5/32" x 1-1/4"
25	70623140	2	ROD, connecting
26	70623141	2	PIN, connecting rod, front (Used prior to tractor #5809)
	70919761	2	PIN, roll, 1/8" x 1-1/4"
	70637729	2	PIN, connecting rod, front (Effective with tractor #5809)
	70904003	2	PIN, cotter, 1/8" x 2-1/4"
	70637730	4	WASHER, plain
27	70623142	2	EYE, connecting (Used prior to tractor #5809)
	70638818	2	EYE, connecting (Effective with tractor #5809)
	70910847	2	NUT, jam, 3/4"NF
28	70623213	2	VALVE ASSEMBLY, brake operating (See page 392 for parts)(Used prior to tractor #5833. Order VALVE ASSEMBLY 70638600)
	70638600	2	VALVE ASSEMBLY, brake operating (See page 392 for parts)(Effective with tractor #5833)(Original equipment)
	70644136	2	* VALVE ASSEMBLY, brake operating (See page 392 for parts)(Service replacement)
	70908944	1	PLUG, pipe, hex-socket, 1/2"NPT
29	70614478	4	CAPSCREW, 1/2"NF x 1-3/8"
30	70070403	4	CAPSCREW, 1/2"NF x 3"
31	70035067	4	CAPSCREW, 1/2"NF x 2"
	70904208	12	LOCKWASHER, 1/2"
32	70923575	2	O-RING, valve discharge port
33	70623138	2	BOOT, connecting
	70921914	4	CLAMP, hose, 2-5/16" to 3-1/4" diam.
34	70623137	2	COVER, band linkage
35	70035278	4	CAPSCREW, 1/2"NF x 2-3/4"
36	70070469	8	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	12	LOCKWASHER, 1/2"
37	70622207	2	BREATHER, clutch compartment
38	70623136	2	GASKET, band linkage cover
39	70629749	2	LINING KIT, brake band (Includes linings and attaching rivets for one (1) side only; items 4 and 5)(Used prior to tractor #5758)

* Used only on tractors equipped with field changeover kits for increased mechanical advantage



BRAKE VALVE PARTS

USAGE: See page 389

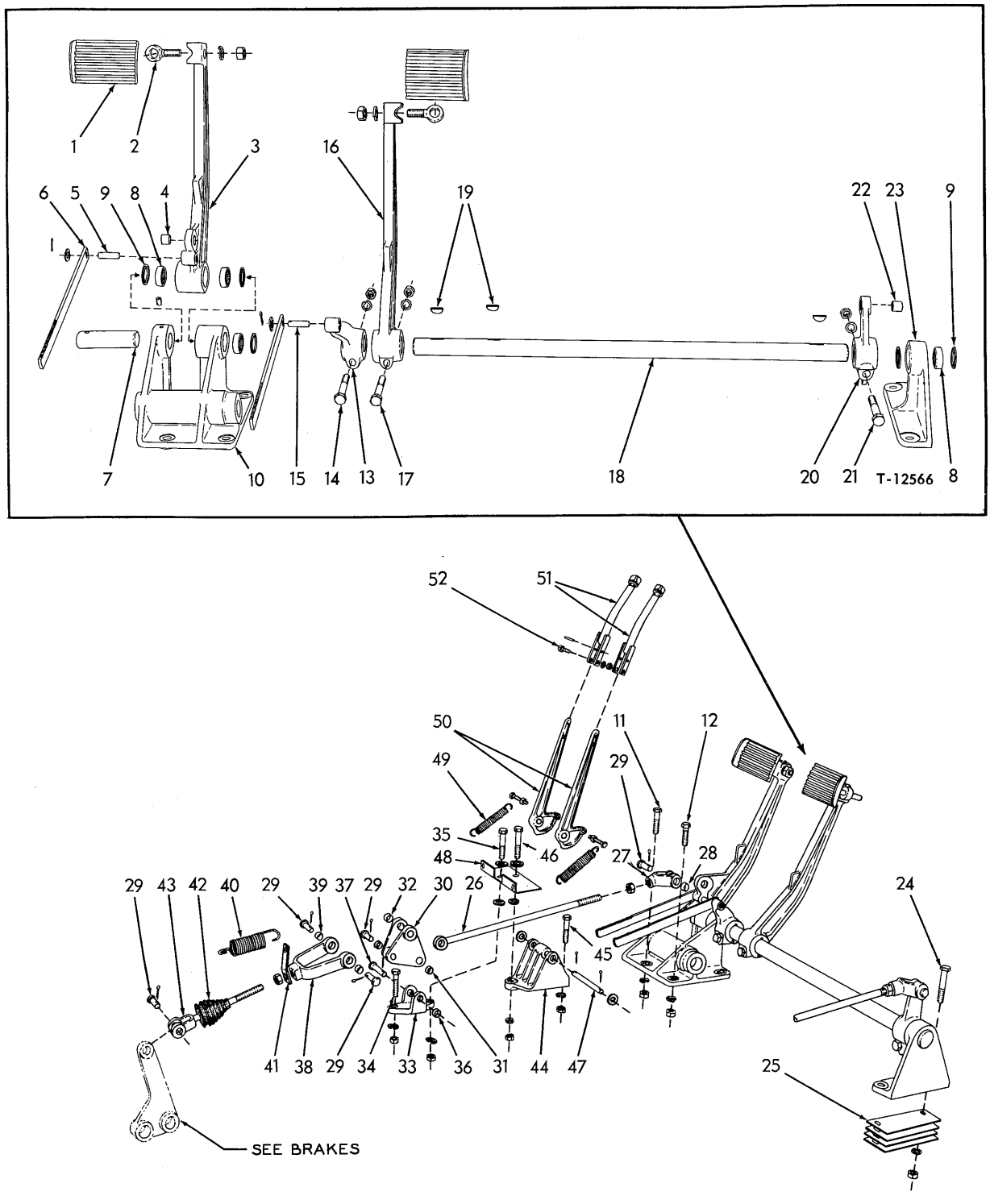
* 70623214 VALVE ASSEMBLY
** 70638600 VALVE ASSEMBLY
*** 70644136 VALVE ASSEMBLY

ITEM	PART NO.	QUANTITY *	**	***	DESCRIPTION
					NOTE: All quantities indicated are for one (1) Valve Assembly only
1	70623194	1	1	1	SPOOL, valve
2	70623195	1	1	1	BOOT, valve spool
3	70921913	1	1	1	CLAMP, hose, 1-13/16" to 2-3/4" diam.
4	70921912	1	1	1	CLAMP, hose, 1-1/16" to 2" diam.
5	70623197	1	1	1	SEAL, outer
6	70623489	1	1	1	WASHER, back-up, inner seal (vellumoid)
7	70623198	1	1	1	SEAL, inner
8	70623202	1	1	1	HOUSING
	70908944	2	2	2	PLUG, pipe, hex-socket, 1/2"NPT
9	70623201	1	1	1	PISTON ASSEMBLY (Includes fulcrum pin)
10	70623206	2	2	2	RING, snap, actuating rod
11	70623203	1	1	1	RETAINER, actuating rod spring
12	70623204	1	1	1	SPRING, actuating rod
13	70623207	1	1	1	ROD, ACTUATING
14	70623196	1	1	1	GASKET, actuating rod retainer
15	70623205	1	1	1	RETAINER, actuating rod
16	70614478	4	4	4	CAPSCREW, 1/2"NF x 1-3/8"
	70904208	4	4	4	LOCKWASHER, 1/2"
17	70623211	1	1	1	SEAT, relief valve

(Continued)

BRAKE VALVE PARTS (Continued)

ITEM	PART NO.	QUANTITY *	**	***	DESCRIPTION
18	70628019	1	1	1	VALVE, relief
19	70623210	1	1	-	SPRING, relief valve
	70068911	-	-	1	SPRING, relief valve
	70911982	4	1	1	WASHER, plain
20	70623209	1	-	-	CAP, relief valve
21	70638563	-	1	1	CAP, relief valve
22	70638561	-	1	1	CAPSCREW, pressure adjustment
	70911048	-	1	1	NUT, jam, 3/8"NF
23	70641148	-	1	1	GASKET, cap
24	70638562	-	1	1	CAP, pressure adjustment screw



BRAKE CONTROL (First type)

BRAKE CONTROL

USAGE: Tractors prior to serial No. 5154, excluding No. 5104

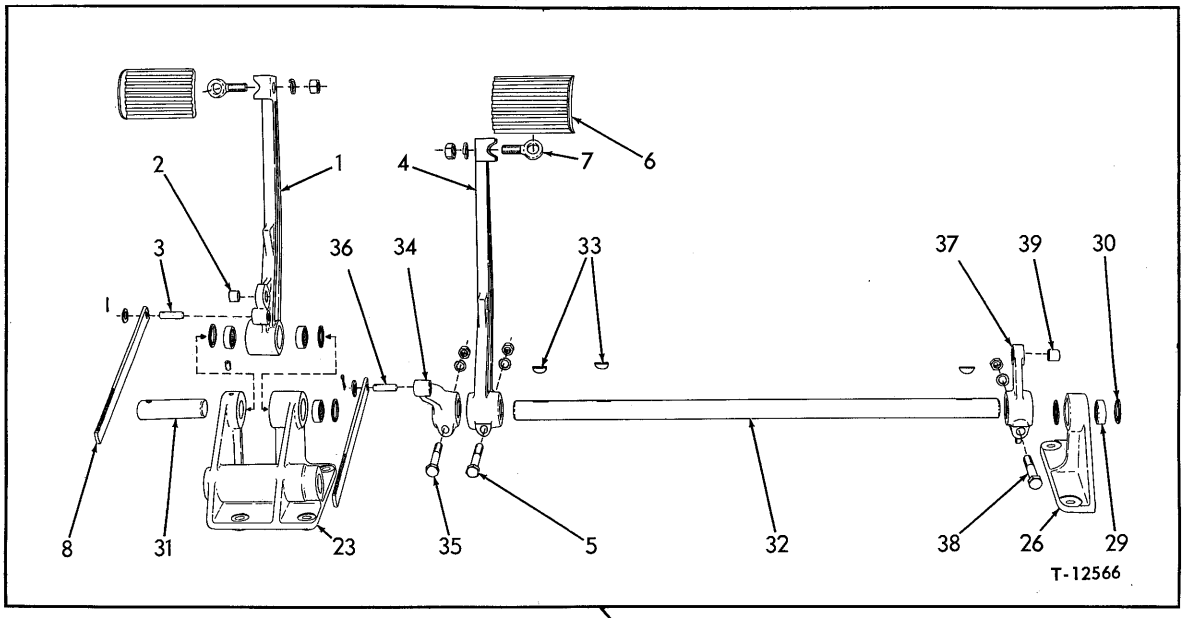
ITEM	PART NO.	QTY.	DESCRIPTION
1	70050434	2	PAD, pedal lever (Not for Model HD16GC)(Used prior to tractor #4777)
	70099965	2	PAD, pedal lever (Not for Model HD16GC)(Effective with tractor #4777)
	70090395	1	PAD, pedal lever, left (Model HD16GC only)
	70090396	1	PAD, pedal lever, right (Model HD16GC only)
2	70050433	2	BOLT, eye, pedal lever pad
	70904209	2	LOCKWASHER, 5/8"
	70911044	2	NUT, 5/8"NF
3	70083827	1	LEVER ASSEMBLY, left pedal (Includes items 4 and 5)
4	70052669	1	BUSHING, left pedal lever
5	70059081	1	PIN, left pedal lever
	70910244	1	WASHER, plain, SAE std., 1/2"
	70900805	1	PIN, cotter, 1/8" x 3/4"
6	70083750	2	BAR, parking brake lock
7	70065692	1	SHAFT, left pedal lever
8	70053244	4	BEARING, needle, pedal lever shaft
9	70053243	5	SEAL, dust, pedal lever shaft
10	70083745	1	BRACKET, left pedal shaft
	70903093	1	SETSCREW, slotted-hd., cup-pt., 3/8"NC x 5/8"
11	70035068	2	CAPSCREW, 1/2"NF x 2-1/4"
12	70035073	2	CAPSCREW, 12/"NF x 1-3/4"
	70904208	4	LOCKWASHER 1/2"
	70911043	4	NUT, 1/2"NF
13	70065696	1	LEVER ASSEMBLY, right pedal shaft, inner (Includes item 15)
14	70035278	1	CAPSCREW, 1/2"NF x 2-3/4"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
15	70059081	1	PIN, right pedal shaft lever
	70910244	1	WASHER, plain, SAE std., 1/2"
	70900805	1	PIN, cotter, 1/8" x 3/4"
16	70083805	1	LEVER, right pedal
17	70035278	1	CAPSCREW, 1/2"NF x 2-3/4"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
18	70065691	1	SHAFT, right pedal lever
19	70036997	3	KEY, #13 woodruff, hardened, 3/16" x 1"
20	70067649	1	LEVER ASSEMBLY, right pedal shaft, outer (Includes item 22)
21	70035278	1	CAPSCREW, 1/2"NF x 2-3/4"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF

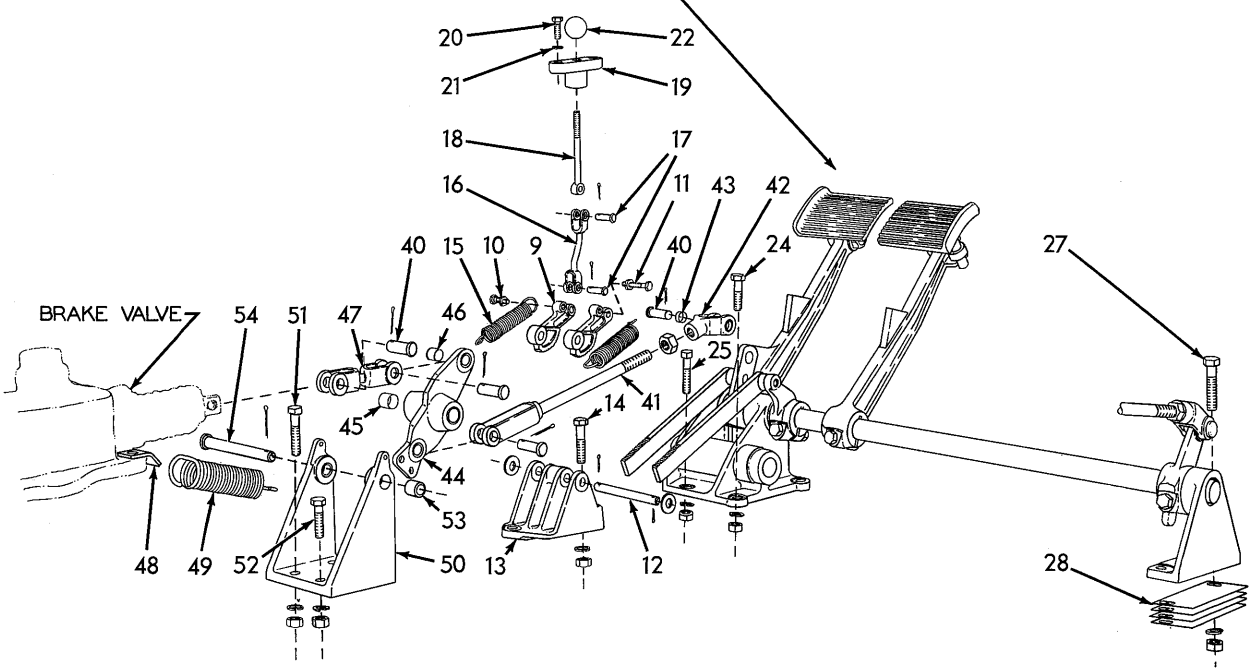
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ITEM	PART NO.	QTY.	DESCRIPTION
22	70052669	1	BUSHING, right pedal shaft lever
23	70033751	1	BRACKET, right pedal shaft
24	70035892	2	CAPSCREW, 1/2"NF x 2-1/2"
	70904208	2	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF
25	70081341	4	SHIM, right pedal shaft bracket (Use as req'd)
26	70081437	2	ROD, front (16-1/2" long)(Used prior to tractor #4560)
	70099306	2	ROD, front (15-5/8" long)(Effective with tractor #4560)
	70911044	2	NUT, 5/8"NF
27	70066399	2	YOKE ASSY., front rod (Includes item 28)
28	70069142	4	BUSHING, front rod yoke
29	70052671	10	PIN, brake rod
	70900806	10	PIN, cotter, 1/8" x 1"
30	70066395	2	BELLCRANK ASSY., brake rod (Includes items 31 and 32)
31	70096142	8	BUSHING, brake rod bellcrank (5/16" long)
32	70052669	4	BUSHING, brake rod bellcrank (5/8" long)
33	70069355	2	BRACKET ASSY., bellcrank pivot (Includes item 36)
34	70035068	2	CAPSCREW, 1/2"NF x 2-1/4"
35	70035278	1	CAPSCREW, 1/2"NF x 2-3/4" (left side)
	70035892	1	CAPSCREW, 1/2"NF x 2-1/2" (right side)
	70064531	1	WASHER, plain
	70910244	1	WASHER, plain, SAE std., 1/2" (for spacing)
	70904208	4	LOCKWASHER, 1/2"
	70911043	4	NUT, 1/2"NF
36	70096142	4	BUSHING, bellcrank pivot bracket
37	70066418	2	PIN, bellcrank pivot bracket
	70900806	2	PIN, cotter, 1/8" x 1"
38	70066397	2	YOKE ASSY., rear rod (Includes item 39)
39	70052669	4	BUSHING, rear rod yoke
40	70654084	2	SPRING, brake retracting
41	70082834	2	CLIP, brake retracting spring
42	70078908	2	BOOT, brake rod (rubber)
43	70067637	2	ROD, rear (8" long)(Used prior to tractor #4560)
	70099305	2	ROD, rear (9-3/4" long)(Effective with tractor #4560)
	70911044	2	NUT, 5/8"NF

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
44	70059070	1	BRACKET, parking brake lock
45	70035068	1	CAPSCREW, 1/2"NF x 2-1/4"
46	70035278	1	CAPSCREW, 1/2"NF x 2-3/4"
	70064531	1	WASHER, plain
	70910244	1	WASHER, plain, SAE std., 1/2" (for spacing)
	70904208	2	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF
47	70059077	1	PIN, parking brake lock
	70910244	2	WASHER, plain, SAE std., 1/2"
	70900805	2	PIN, cotter, 1/8" x 3/4"
48	70066089	1	BRACKET, brake lock retracting spring
49	70072438	2	SPRING, retracting, parking brake lock
	70905666	2	CAPSCREW, 5/16"NC x 2-1/2"
	70906652	2	NUT, jam, 5/16"NC
50	70059071	2	LOCK, parking brake (Not used on Model HD16GC tractors after #2995)
	70095108	2	LOCK, parking brake (For Model HD16GC tractors #2995 and up)
51	70095141	2	EXTENSION, parking brake lock (Model HD16GC tractors #2995 and up)
	70901751	2	CAP, pipe, 1/4"NPT
	70916001	2	PIN, roll, 3/16" x 1"
52	70054304	2	CAPSCREW, 1/4"NC x 1-1/4"
	70904204	2	LOCKWASHER, 1/4"
	70911024	2	NUT, 1/4"NC





T-33463

BRAKE CONTROL (Second type)

BRAKE CONTROL

USAGE: Model HD16A, AC, D, DC tractors serial No. 5154 thru No. 5650, including No. 5104; also all Model HD16FC, GC tractors serial No. 5154 and up

* All models except HD16GC
** Model HD16GC

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70623772	1	-	LEVER ASSEMBLY, pedal, left (Includes items 2 and 3)
	70624104	-	1	LEVER ASSEMBLY, pedal, left (Includes items 2 and 3)
2	70052669	1	1	BUSHING, left pedal lever
3	70623765	1	1	PIN, left pedal lever
4	70623756	1	-	LEVER, pedal, right
	70624101	-	1	LEVER, pedal, right
5	70035278	1	1	CAPSCREW, 1/2"NF x 2-3/4"
	70904208	1	1	LOCKWASHER, 1/2"
	70911043	1	1	NUT, 1/2"NF
6	70623151	2	2	PAD, pedal lever
7	70050433	2	2	BOLT, eye, pedal lever pad
	70904209	2	2	LOCKWASHER, 5/8"
	70911044	2	2	NUT, 5/8"NF
8	70623760	2	2	BAR, parking brake lock
	70910244	2	2	WASHER, plain, SAE std., 1/2"
	70900805	2	2	PIN, cotter, 1/8" x 3/4"
9	70623764	2	2	LOCK, parking brake
10	70037450	1	1	CAPSCREW, 5/16"NC x 1-1/4" (left side)
11	70068320	1	1	CAPSCREW, 5/16"NC x 2" (right side)
	70906652	2	2	NUT, jam, 5/16"NC
12	70059077	1	1	PIN, parking brake lock
	70910244	2	2	WASHER, plain, SAE std., 1/2"
	70900805	2	2	PIN, cotter, 1/8" x 3/4"
13	70059070	1	1	BRACKET, parking brake lock
14	70035068	2	2	CAPSCREW, 1/2"NF x 2-1/4"
	70904208	2	2	LOCKWASHER, 1/2"
	70911043	2	2	NUT, 1/2"NF
15	70043881	2	2	SPRING, parking brake lock
16	70623761	2	-	ROD, parking brake lock, lower
	70624102	-	2	ROD, parking brake lock, lower
17	70078810	4	4	PIN, lower lock rod
	70900801	4	4	PIN, cotter, 3/32" x 3/4"
18	70623762	2	2	ROD, parking brake lock, upper
19	70623129	2	2	GUIDE, parking brake lock
20	70036034	4	4	CAPSCREW, 3/8"NF x 1"
	70904206	4	4	LOCKWASHER, 3/8"
21	70044973	4	4	WASHER, plain

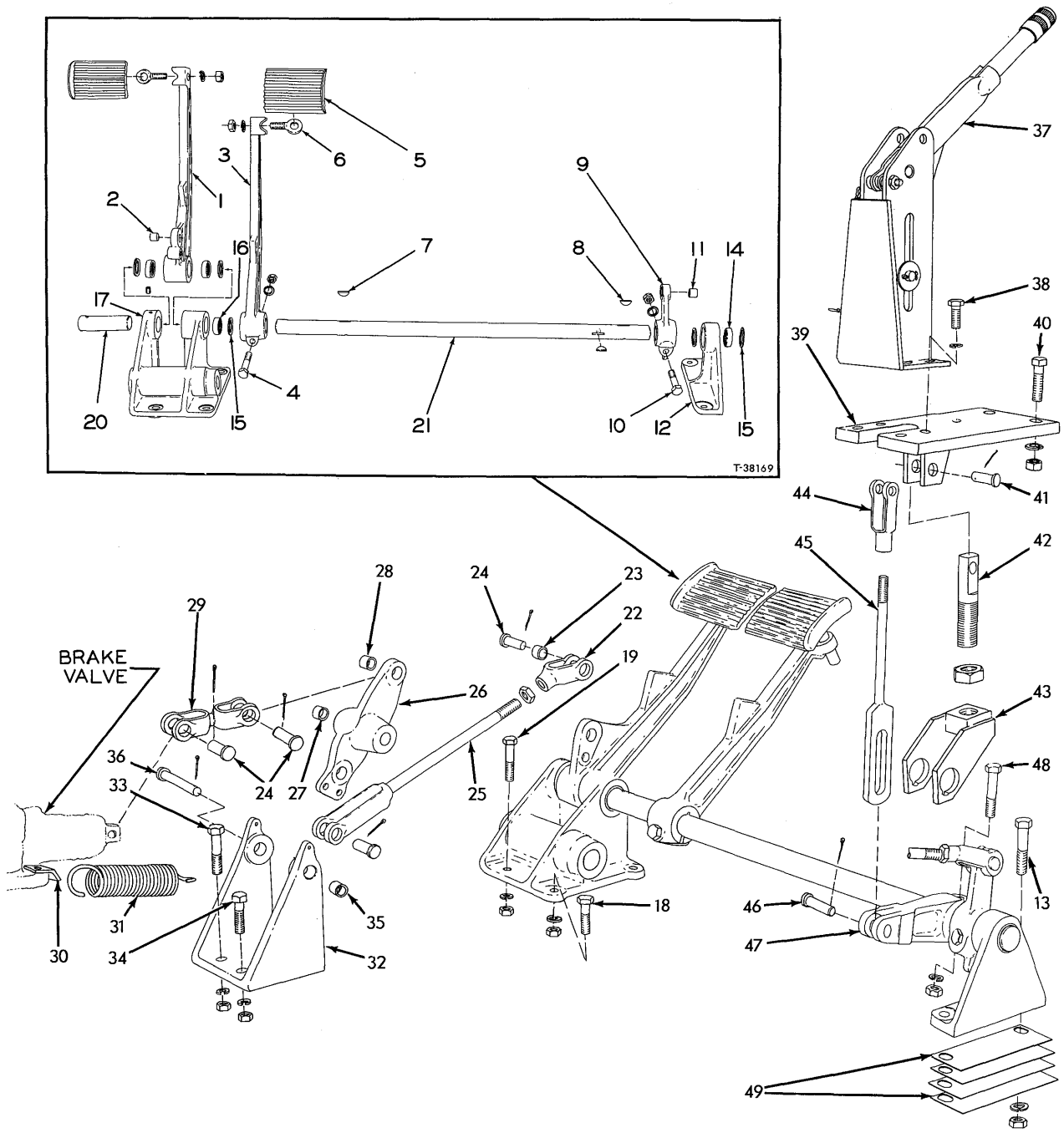
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ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
22	70091855	2	2	KNOB, parking brake lock
23	70083745	1	1	BRACKET, pedal shaft, left
24	70035073	2	2	CAPSCREW, 1/2"NF x 1-3/4"
25	70035068	2	2	CAPSCREW, 1/2"NF x 2-1/4"
	70904208	4	4	LOCKWASHER, 1/2"
	70911043	4	4	NUT, 1/2"NF
26	70083751	1	1	BRACKET, pedal shaft, right
27	70035892	2	2	CAPSCREW, 1/2"NF x 2-1/2"
	70904208	2	2	LOCKWASHER, 1/2"
	70911043	2	2	NUT, 1/2"NF
28	70081341	4	4	SHIM, right pedal shaft bracket (Use as req'd)
29	70053244	4	4	BEARING, needle, pedal shafts
30	70053243	5	5	SEAL, dust, pedal shafts
31	70065692	1	1	SHAFT, left pedal
	70903093	1	1	SETSCREW, slotted-hd., cup-pt., 3/8"NC x 5/8"
32	70065691	1	1	SHAFT, right pedal
33	70036997	3	3	KEY, #13 woodruff, 3/16" x 1"
34	70623766	1	1	LEVER ASSY., right pedal shaft, left side (Includes item 36)
35	70035278	1	1	CAPSCREW, 1/2"NF x 2-3/4"
	70904208	1	1	LOCKWASHER, 1/2"
	70911043	1	1	NUT, 1/2"NF
36	70623765	1	1	PIN, pedal shaft lever
37	70067649	1	1	LEVER ASSY., right pedal shaft, right side (Includes item 39)
38	70035278	1	1	CAPSCREW, 1/2"NF x 2-3/4"
	70904208	1	1	LOCKWASHER, 1/2"
	70911043	1	1	NUT, 1/2"NF
39	70052669	1	1	BUSHING, pedal shaft lever
40	70052671	8	8	PIN, brake rods
	70900806	8	8	PIN, cotter, 1/8" x 1"
41	70623757	2	-	ROD, front
	70624103	-	2	ROD, front
	70911044	2	2	NUT, 5/8"NF
42	70066399	2	2	YOKE ASSY., front rod (Includes item 43)
43	70096142	4	4	BUSHING, front rod yoke
44	70623776	2	2	LEVER ASSY., rocker (Includes items 45 and 46)
45	70623164	4	4	BUSHING, bellcrank, center

(Continued)

BRAKE CONTROL (Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
46	70052669	4	4	BUSHING, bellcrank, end
47	70623758	2	2	ROD, rear
48	70623763	2	2	CLIP, attaching, rod spring
49	70654084	2	2	SPRING, retracting
50	70623769	2	2	BRACKET ASSY., rocker lever (Includes item 53)
51	70035068	4	4	CAPSCREW, 1/2"NF x 2-1/4"
52	70035073	4	4	CAPSCREW, 1/2"NF x 1-3/4"
	70904208	8	8	LOCKWASHER, 1/2"
	70911043	8	8	NUT, 1/2"NF
53	70623164	4	4	BUSHING, rocker lever bracket
54	70623759	2	2	PIN, rocker lever bracket
54	70910302	2	2	PIN, cotter, 5/32" x 1-1/4"



BRAKE CONTROL (Third type)

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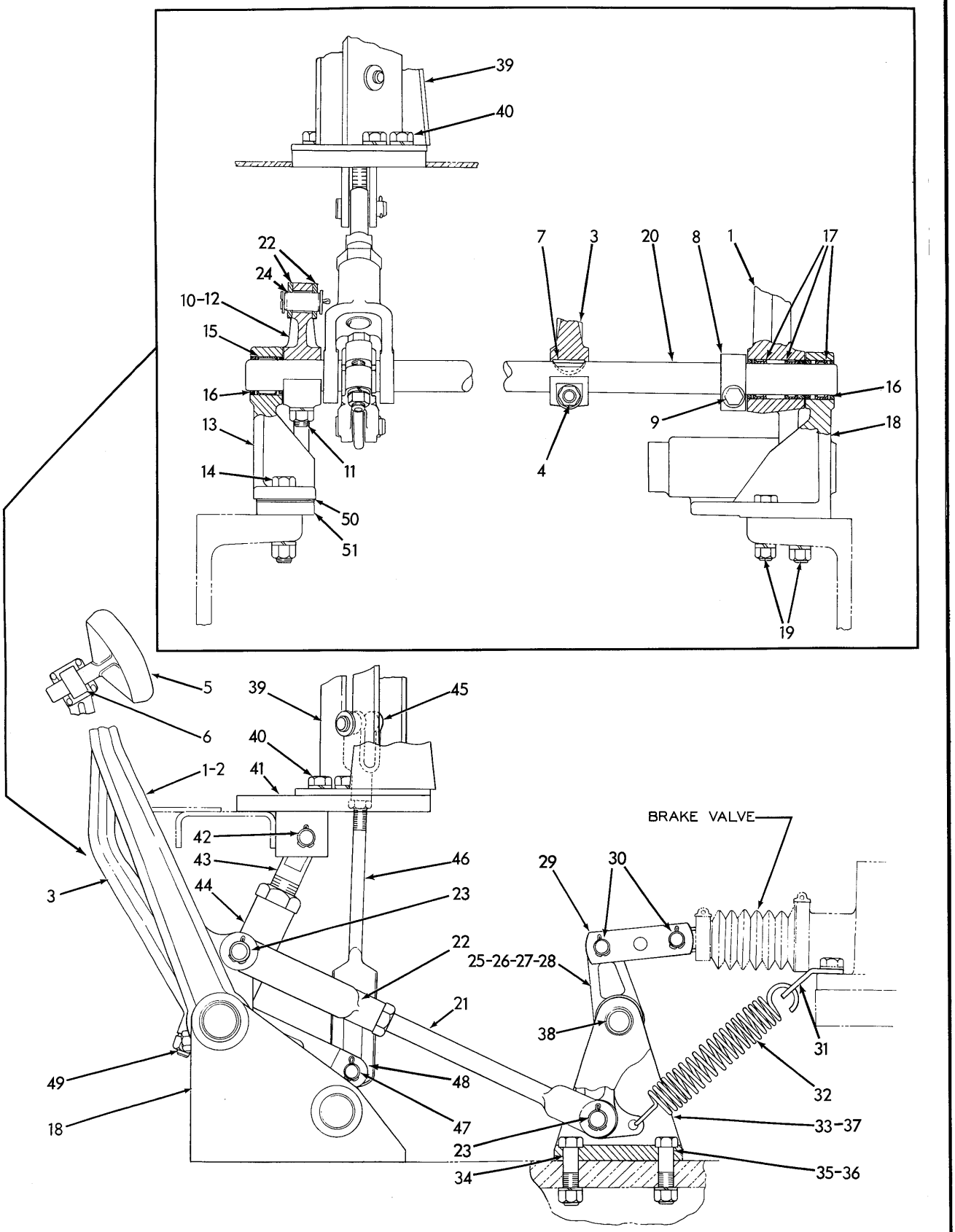
BRAKE CONTROL

USAGE: Model HD16A, AC, D, DC tractors serial No. 5651 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	70623772	1	LEVER ASSEMBLY, pedal, left (Includes item 2)
2	70052669	1	BUSHING, left pedal lever
3	70623756	1	LEVER, pedal, right
4	70035278	1	CAPSCREW, 1/2"NF x 2-3/4"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
5	70623151	2	PAD, pedal lever
6	70050433	2	BOLT, eye, pedal lever pad
	70904209	2	LOCKWASHER, 5/8"
	70911044	2	NUT, 5/8"NF
7	70036997	1	KEY, right pedal (3/16" x 1")
8	70631883	2	KEY, right pedal shaft (1/4" x 1-1/4")
9	70632353	1	LEVER ASSEMBLY, right pedal shaft (Includes item 11)
10	70035278	1	CAPSCREW, 1/2"NF x 2-3/4"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
11	70052669	1	BUSHING, pedal shaft lever
12	70083751	1	BRACKET, pedal shaft, right
13	70035892	2	CAPSCREW, 1/2"NF x 2-1/2"
	70904208	2	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF
14	70052642	1	BEARING, needle, right pedal shaft (3/4" wide)
15	70053243	5	SEAL, dust, pedal shafts
16	70053244	3	BEARING, needle, pedal shafts (1/2" wide)
17	70083745	1	BRACKET, pedal shaft, left
18	70035073	2	CAPSCREW, 1/2"NF x 1-3/4"
19	70035068	2	CAPSCREW, 1/2"NF x 2-1/4"
	70904208	4	LOCKWASHER, 1/2"
	70911043	4	NUT, 1/2"NF
20	70065692	1	SHAFT, left pedal
	70903093	1	SETSCREW, slotted-hd., cup-pt., 3/8"NC x 5/8"
21	70632365	1	SHAFT, right pedal
22	70066399	2	YOKE ASSEMBLY, front rod (Includes item 23)
23	70096142	4	BUSHING, front rod yoke
24	70052671	8	PIN, brake rods
	70900806	8	PIN, cotter, 1/8" x 1"
25	70623757	2	ROD, front
	70911044	2	NUT, 5/8"NF
26	70623776	2	LEVER ASSEMBLY, rocker (Includes item 27 and 28)

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
27	70623164	4	BUSHING, bellcrank, center
28	70052669	4	BUSHING, bellcrank, end
29	70623758	2	ROD, rear
30	70623763	2	CLIP, attaching, rod spring
31	70654084	2	SPRING, retracting
32	70623769	2	BRACKET ASSEMBLY, rocker lever (Includes item 35)
33	70035068	4	CAPSCREW, 1/2"NF x 2-1/4"
34	70035073	4	CAPSCREW, 1/2"NF x 1-3/4"
	70904208	8	LOCKWASHER, 1/2"
	70911043	8	NUT, 1/2"NF
35	70623164	4	BUSHING, rocker lever bracket
36	70623759	2	PIN, rocker lever bracket
	70910302	2	PIN, cotter, 5/32" x 1-1/4"
37	70631981	1	LEVER ASSEMBLY, operating, parking brake (See page 409 for parts)
38	70070467	4	CAPSCREW, 1/2"NF x 1"
	70904208	4	LOCKWASHER, 1/2"
39	70632373	1	BRACKET, mounting, parking brake lever
40	70035073	2	CAPSCREW, 1/2"NF x 1-3/4"
	70904208	2	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF
41	70052671	1	PIN, bracing yoke eye
	70900806	1	PIN, cotter, 1/8" x 1"
42	70638338	1	EYE, shaft bracing yoke
	70911051	1	NUT, jam, 1"NF
43	70632364	1	YOKE, shaft bracing
44	70068389	1	YOKE, parking brake rod
45	70631893	1	ROD, connecting, parking brake lever
46	70052671	1	PIN, parking brake lever
	70900806	1	PIN, cotter, 1/8" x 1"
47	70632367	1	LEVER, parking brake
48	70035278	1	CAPSCREW, 1/2"NF x 2-3/4"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
49	70081341	4	SHIM, right pedal shaft bracket (Use as req'd)



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BRAKE CONTROL (Fourth type)

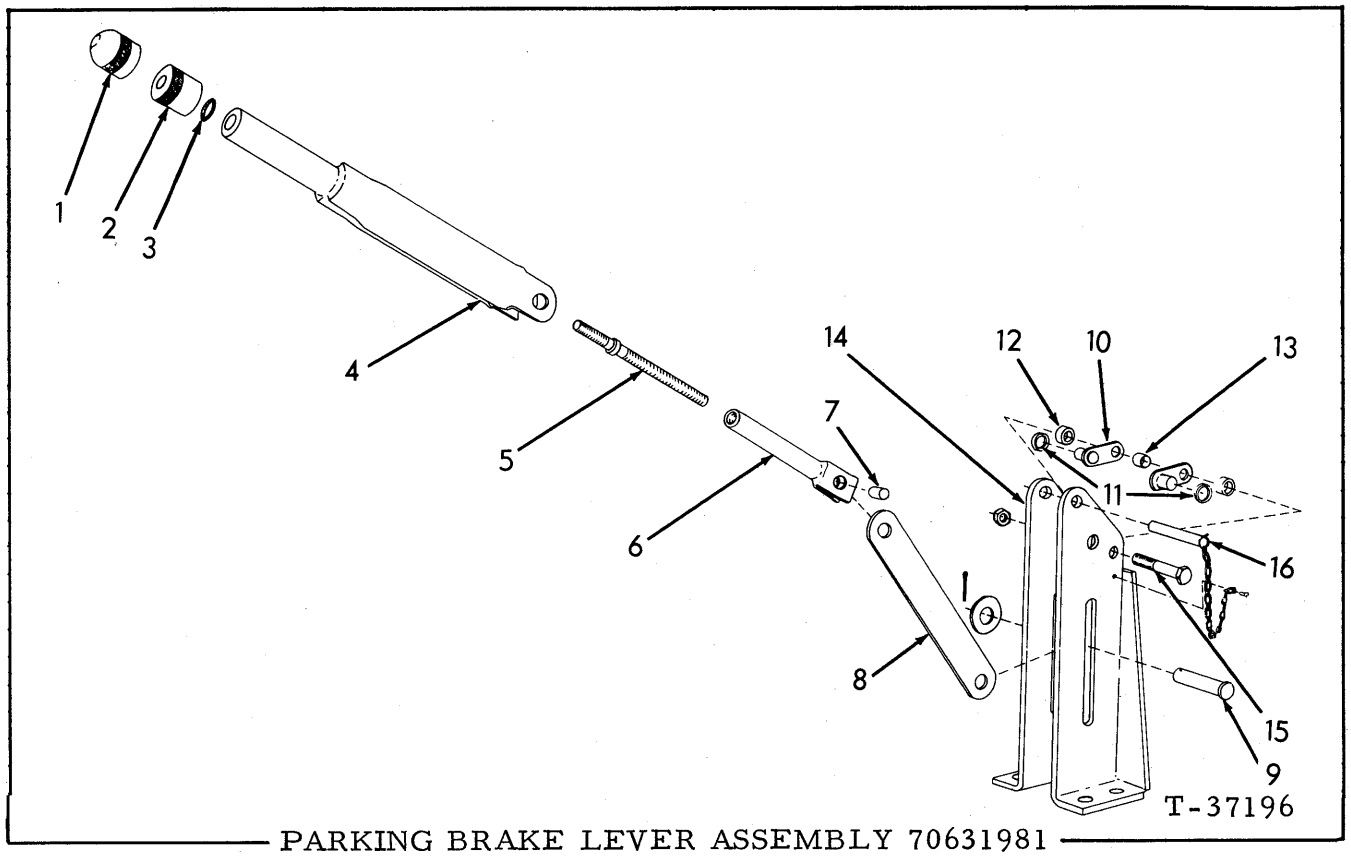
BRAKE CONTROL

USAGE: For tractors serial No. 5154 and up equipped with field changeover kits for increased mechanical advantage

ITEM	PART NO.	QTY.	DESCRIPTION
1	70643053	1	LEVER ASSEMBLY, pedal, left (Includes item 2)
2	70623164	1	BUSHING, left pedal lever
3	70643032	1	LEVER, pedal, right
4	70035278	1	CAPSCREW, 1/2"NF x 2-3/4"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
5	70623151	2	PAD, pedal lever
6	70050433	2	BOLT, eye, pedal lever pad
	70904209	2	LOCKWASHER, 5/8"
	70911044	2	NUT, 5/8"NF
7	70631883	3	KEY, pedal lever shaft
8	70643760	1	COLLAR, retaining, left pedal lever
9	70035067	1	CAPSCREW, 1/2"NF x 2"
	70904208	1	LOCKWASHER, 1/2"
10	70643019	1	LEVER ASSEMBLY, pedal shaft, right end (Includes item 12)
11	70042430	1	CAPSCREW, 1/2"NF x 3-1/4"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
12	70623164	1	BUSHING, shaft lever
13	70629253	1	BRACKET, pedal shaft, right
14	70070403	2	CAPSCREW, 1/2"NF x 3"
	70904208	2	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF
15	70052642	1	BEARING, needle, pedal shaft (3/4" wide)
16	70053243	6	SEAL, dust, pedal shaft
17	70053244	3	BEARING, needle, pedal shaft (1/2" wide)
18	70629536	1	BRACKET, pedal shaft, left
19	70035068	3	CAPSCREW, 1/2"NF x 2-1/4"
	70904208	3	LOCKWASHER, 1/2"
	70911043	3	NUT, 1/2"NF
20	70629548	1	SHAFT, pedal
21	70643007	2	ROD, front
	70910847	2	NUT, jam, 3/4"NF
22	70628535	2	YOKE, front rod
23	70623139	3	PIN, front rod
	70910302	3	PIN, cotter, 5/32" x 1-1/4"
24	70637729	1	PIN, front rod yoke, right side
	70637730	2	WASHER, plain
	70904003	1	PIN, cotter, 1/8" x 2-1/4"

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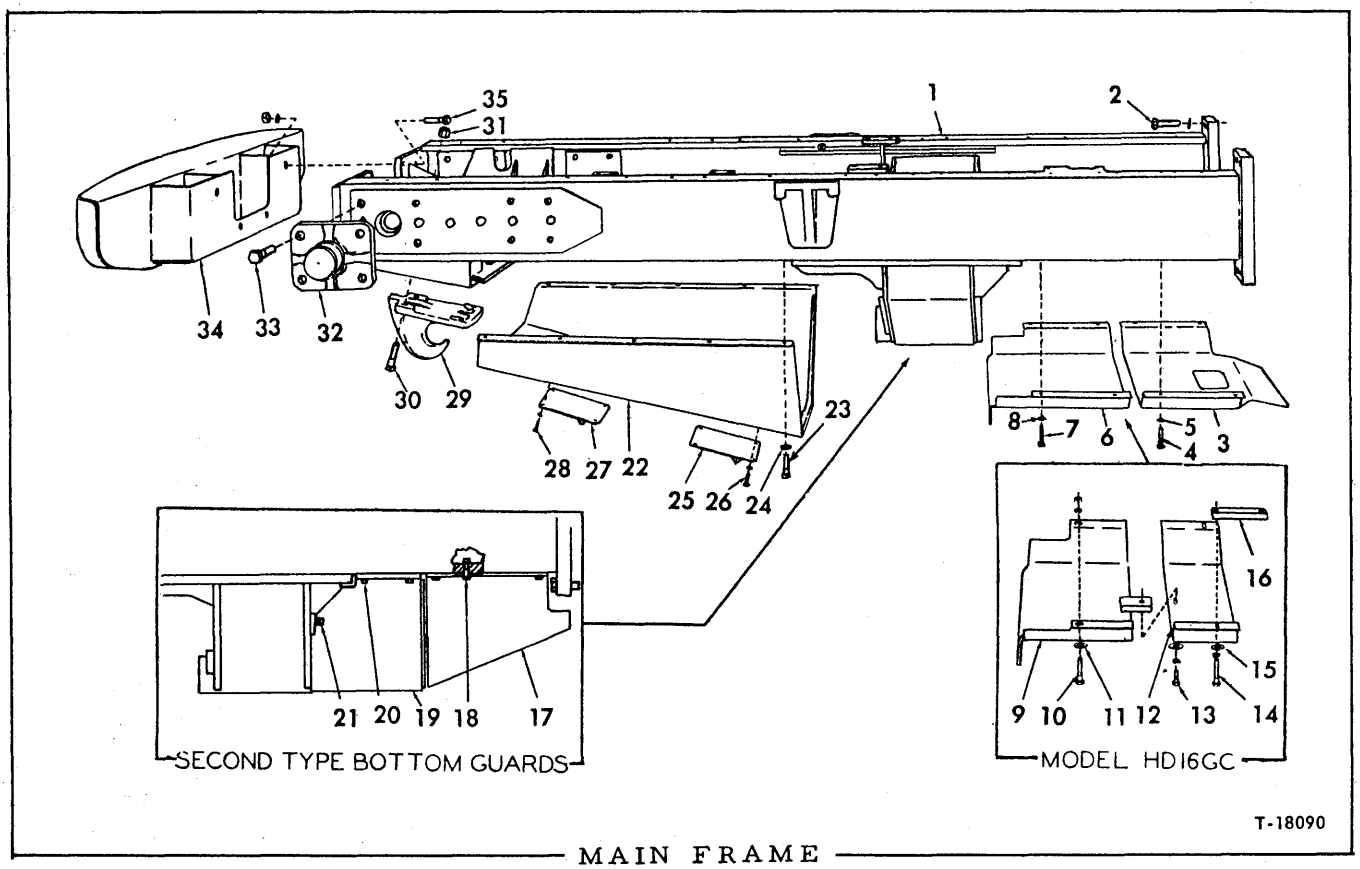
ITEM	PART NO.	QTY.	DESCRIPTION
25	70643024	2	LEVER ASSEMBLY, rocker (Includes items 26 thru 28)
26	70052669	2	BUSHING, lever, upper end (3/4" O.D.)
27	70631882	4	BUSHING, lever, center (1-1/8" O.D.)
28	70623164	2	BUSHING, lever, lower end (7/8" O.D.)
29	70643274	2	YOKE, rear
30	70052671	4	PIN, rear yoke
	70900806	4	PIN, cotter, 1/8" x 1"
31	70629543	2	CLIP, attaching, rod spring
32	70654084	2	SPRING, retracting
33	70644463	2	BRACKET ASSEMBLY, rocker lever (Includes item 37)
34	70035068	5	CAPSCREW, 1/2"NF x 2-1/4"
35	70035892	1	CAPSCREW, 1/2"NF x 2-1/2" } Right side only
36	70058614	1	WASHER, plain
	70904208	6	LOCKWASHER, 1/2"
	70911043	6	NUT, 1/2"NF
37	70631882	4	BUSHING, rocker lever bracket
38	70639459	2	PIN, rocker lever bracket
	70910320	4	PIN, cotter, 5/32" x 1-1/2"
39	70631981	1	LEVER ASSEMBLY, operating, parking brake (See page 409 for parts)
40	70070467	4	CAPSCREW, 1/2" x 1"
	70904208	4	LOCKWASHER, 1/2"
41	70644582	1	PLATE, mounting, parking brake lever (Requires welding to install)
42	70052671	1	PIN, bracing yoke eye
	70900806	1	PIN, cotter, 1/8" x 1"
43	70638338	1	EYE, shaft bracing yoke
	70911051	1	NUT, jam, 1"NF
44	70644577	1	YOKE, shaft bracing
45	70068389	1	YOKE, parking brake rod
46	70631893	1	ROD, connecting, parking brake lever
	70913830	1	NUT, jam, 1/2"NF
47	70052671	1	PIN, parking brake lever
	70900806	1	PIN, cotter, 1/8" x 1"
48	70632451	1	LEVER, parking brake
49	70035278	1	CAPSCREW, 1/2"NF x 2-3/4"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
50	70629515	3	SHIM, pedal shaft bracket, right (Use as required)
51	70629616	1	PLATE, bracket spacing



PARKING BRAKE LEVER ASSEMBLY 70631981

USAGE: See page 403 and 407

ITEM	PART NO.	QTY.	DESCRIPTION
1	70637801	1	CAP, adjusting stud
2	70637802	1	NUT, cap locking
3	70623424	1	O-RING, adjusting stud knob
4	70637803	1	LEVER, operating
5	70637818	1	STUD, lever adjusting
6	70637804	1	TUBE, adjusting stud
7	70637819	1	PIN, connecting link
8	70637805	1	LINK, connecting
9	70637811	1	PIN, clevis
	70900818	1	WASHER, plain, U.S. std., 1/2"
	70900806	1	PIN, cotter, 1/8" x 1"
10	70637808	2	BRACKET, pivot
11	70637806	2	SPACER, pivot bracket (3/4" O. D.)
12	70637809	2	SPACER, pivot bracket (5/8" O. D.)
13	70637810	1	SPACER, pivot bracket (1/2" O. D.)
14	--------	1	BRACKET, supporting (Not serviced separately)
15	70637817	1	BOLT, pivot bracket (drilled-hd.)(Early units)
	70099575	1	CAPSCREW, pivot bracket (Late units)
	70919219	1	NUT, Sealastic stop, thin, 3/8"NF
16	70637820	1	PIN, lever locking (Includes chain)
	70913533	1	SCREW, thread-cutting, #4 x 1/4" (Early units)
	70628406	1	PIN, drive (Late units)


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SECOND TYPE BOTTOM GUARDS
MODEL HD16GC
T-18090

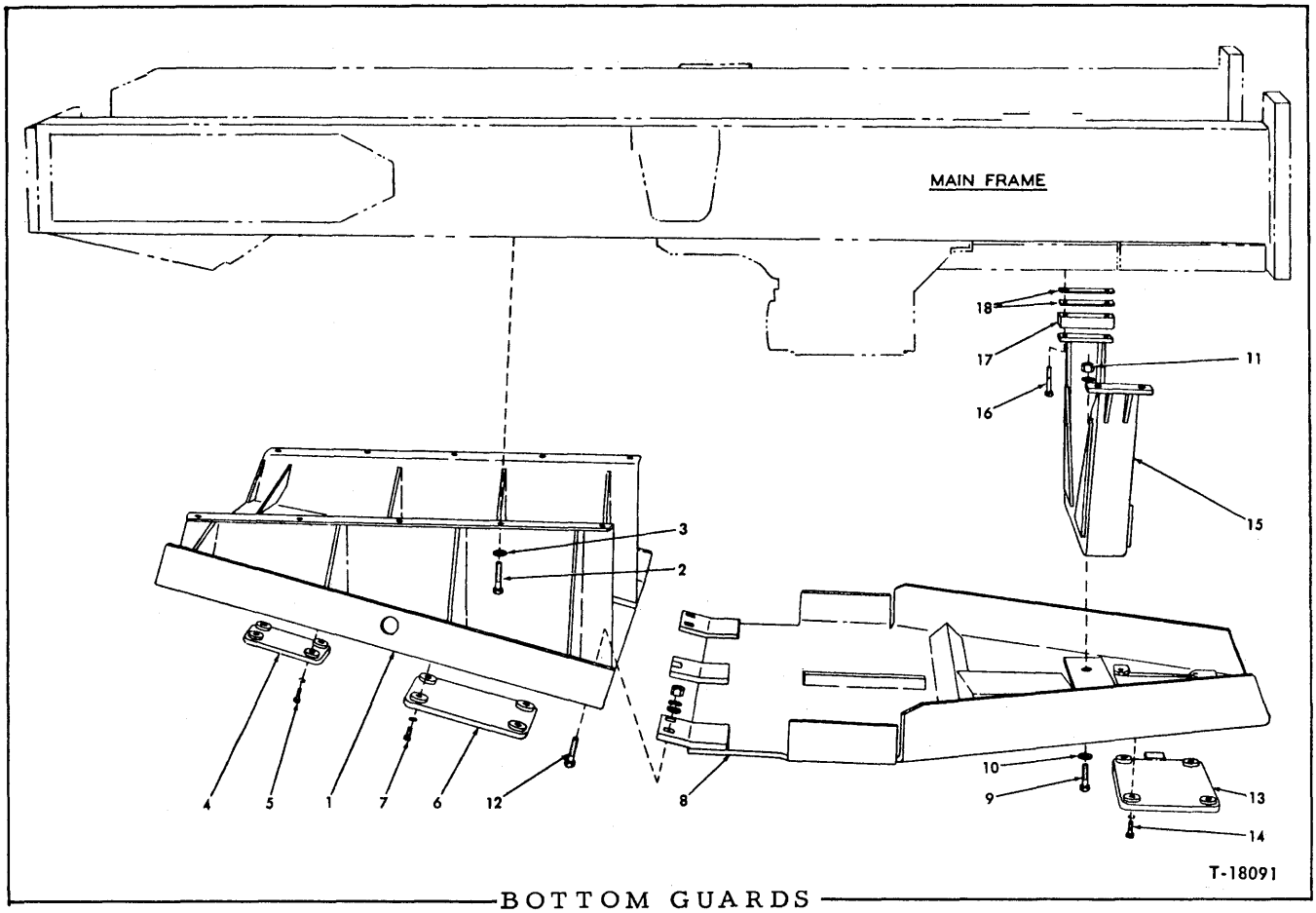
MAIN FRAME

* Models HD16A, AC, D, DC
** Model HD16FC
*** Model HD16GC

ITEM	PART NO.	QUANTITY *	**	***	DESCRIPTION	
1	70084600	1	-	-	FRAME, main	If for tractors prior to #2508 excluding #2506, also order 4 CAPSCREWS 70013465 and 4 NUTS 70012767. Ream holes in engine rear mounting brackets for larger capscrews.
1	70087838	-	1	1	FRAME, main	
2	70070272	12	12	12	CAPSCREW, 1"NF x 3"	
	70910916	12	12	12	LOCKWASHER, 1"	
3	70623340	1	1	1	SHIELD, bottom, rear section	Used prior to tractor #5154, excluding #5104
4	70035068	4	4	4	CAPSCREW, 1/2"NF x 2-1/4"	
5	70064531	4	4	4	WASHER, plain	
	70904208	4	4	4	LOCKWASHER, 1/2"	
	70911043	4	4	2	NUT, 1/2"NF	
6	70064764	1	1	-	SHIELD, bottom, center section	
7	70035068	4	4	-	CAPSCREW, 1/2"NF x 2-1/4"	
8	70064531	4	4	-	WASHER, plain	
	70904208	4	4	-	LOCKWASHER, 1/2"	
	70911043	4	4	-	NUT, 1/2"NF	
9	70079659	-	-	1	SHIELD, bottom, center section, front	
10	70035068	-	-	2	CAPSCREW, 1/2"NF x 2-1/4"	
11	70064531	-	-	2	WASHER, plain	
	70904208	-	-	2	LOCKWASHER, 1/2"	
	70911043	-	-	2	NUT, 1/2"NF	
12	70079658	-	-	1	SHIELD, bottom, center section, rear	
13	70070469	-	-	1	CAPSCREW, 1/2"NF x 1-1/4"	
14	70035068	-	-	2	CAPSCREW, 1/2"NF x 2-1/4"	
15	70064531	-	-	3	WASHER, plain	
	70904208	-	-	3	LOCKWASHER, 1/2"	
16	70079661	-	-	2	BLOCK, tapped, shield attaching capscrews	
17	70623893	1	1	1	GUARD, bottom, rear section	Effective with tractor #5154, including #5104
18	70035068	6	6	6	CAPSCREW, 1/2"NF x 2-1/4"	
	70064531	6	6	6	WASHER, plain	
	70904208	6	6	6	LOCKWASHER, 1/2"	
	70911043	6	6	6	NUT, 1/2"NF	
19	70623897	1	1	1	GUARD, bottom, center section	
20	70035892	4	4	4	CAPSCREW, 1/2"NF x 2-1/2"	
21	70035018	2	2	2	CAPSCREW, 1/2"NF x 1-1/2"	
	70064531	6	6	6	WASHER, plain	
	70904208	6	6	6	LOCKWASHER, 1/2"	
	70911043	4	4	4	NUT, 1/2"NF	
22	70091631	1	1	1	GUARD ASSEMBLY, crankcase (Includes items 25 thru 28) (See page 415 for Special Guard)	
23	70023618	10	10	10	CAPSCREW, 5/8"NF x 2-1/2"	
24	70064810	10	10	10	WASHER, plain	
	70904209	10	10	10	LOCKWASHER, 5/8"	
	70911044	10	10	10	NUT, 5/8"NF	

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ITEM	PART NO.	QUANTITY *	**	***	DESCRIPTION
25	70082719	1	1	1	COVER, crankcase guard oil drain hole (Used prior to tractor #2439)
	70091662	1	1	1	COVER, crankcase guard oil drain hole (Effective with tractor #2439)
26	70070469	4	4	4	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	4	4	4	LOCKWASHER, 1/2"
27	70082741	1	1	1	COVER, crankcase guard water drain hole (Used prior to tractor #2439)
	70091662	1	1	1	COVER, crankcase guard water drain hole (Effective with tractor #2439)
28	70070469	4	4	4	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	4	4	4	LOCKWASHER, 1/2"
29	70040503	1	1	1	HOOK, front pull
30	70012762	4	4	4	CAPSCREW, 7/8"NF x 3-1/4"
31	70070400	4	4	4	NUT, high, 7/8"NF
32	70084643	2	2	-	TRUNNION, radiator guard mounting
33	70073424	8	8	-	CAPSCREW, 1"NF x 4"
	70600236	8	8	-	NUT, high, 1"NF
34	70084734	1	1	-	BUMPER, front (Not used with front-mounted dozer equipment)
35	70070272	4	4	-	CAPSCREW, 1"NF x 3"
	70910916	4	4	-	LOCKWASHER, 1"
	70911047	4	4	-	NUT, 1"NF



BOTTOM GUARDS

BOTTOM GUARDS

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

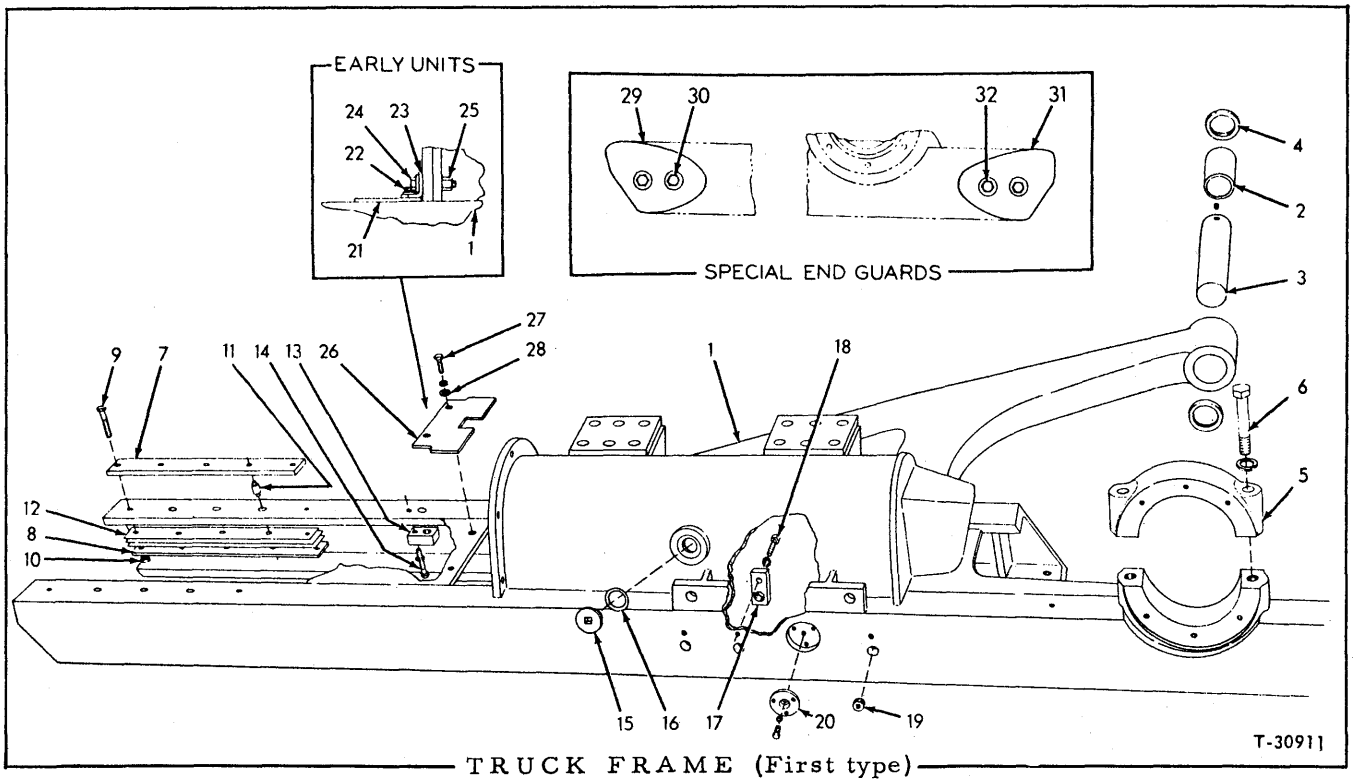
* Tractors prior to serial No. 5154 excluding No. 5104
** Tractors serial No. 5154 and up, including No. 5104

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70091761	1	-	GUARD ASSEMBLY, front section (Includes items 4 thru 7) (Used in place of standard crankcase GUARD ASSEMBLY 70091631)
	70099117	-	1	GUARD ASSEMBLY, front section (Includes items 4 thru 7) (Used in place of standard crankcase GUARD ASSEMBLY 70091631)
2	70023618	10	10	CAPSCREW, 5/8"NF x 2-1/2"
3	70064810	10	10	WASHER, plain
	70904209	10	10	LOCKWASHER, 5/8"
	70911044	10	10	NUT, 5/8"NF
4	70083933	1	-	COVER, water drain hole (8-1/2" long) (Used prior to July 1959)
	70091765	1	1	COVER, water drain hole (10-1/4" long) (Effective July 1959)
5	70035221	4	4	CAPSCREW, 1/2"NC x 1"
	70904208	4	4	LOCKWASHER, 1/2"
6	70061526	1	-	COVER, crankcase oil drain hole (12-3/4" long) (Used prior to July 1959)
	70091759	1	1	COVER, crankcase oil drain hole (12" long) (Effective July 1959)
7	70035221	4	4	CAPSCREW, 1/2"NC x 1"
	70904208	4	4	LOCKWASHER, 1/2"
8	70091178	1	-	GUARD ASSEMBLY, rear section (Includes items 13 and 14) (If for tractors prior to #1775 also order 1 CHANNEL 70091164, 2 BLOCKS 70092806, 4 CAPSCREWS 70057517 and 6 CAPSCREWS 70035248)
	70624659	-	1	GUARD ASSEMBLY, rear section (Includes items 13 and 14)
9	70012984	2	-	CAPSCREW, 3/4"NF x 2-3/4"
	70070285	-	2	CAPSCREW, 3/4"NF x 3"
10	70061689	4	4	WASHER, plain
11	70012767	2	2	NUT, high, 3/4"NF
12	70023465	6	-	CAPSCREW, 5/8"NF x 1-3/4" (Used prior to tractor #1775)
	70035248	6	5	CAPSCREW, 5/8"NF x 2-1/4" (Effective with tractor #1775)
	70064810	-	5	WASHER, plain
	70904209	6	5	LOCKWASHER, 5/8"
	70911044	6	5	NUT, 5/8"NF
13	70069816	1	-	COVER, transmission oil drain (17-1/2" long) (Used prior to tractor #1775)
	70091177	1	1	COVER, transmission oil drain (14-1/2" long) (Effective with tractor #1775)
14	70035221	4	4	CAPSCREW, 1/2"NC x 1"
	70904208	4	4	LOCKWASHER, 1/2"

(Continued)

BOTTOM GUARDS (Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
15	70061661	1	-	CHANNEL, supporting, rear guard (Used prior to tractor #1775)
	70091164	1	-	CHANNEL, supporting, rear guard (Effective with tractor #1775)
	70624683	-	1	CHANNEL, supporting, rear guard
16	70035278	4	4	CAPSCREW, 1/2"NF x 2-3/4" (Not used on tractor #1775 thru #5153)
	70057517	4	-	CAPSCREW, 1/2"NF x 4" (Used on tractors #1775 thru #5153 only)
	70904208	4	4	LOCKWASHER, 1/2"
	70911043	4	4	NUT, 1/2"NF
17	70092806	2	-	BLOCK, spacing, guard supporting channel (Effective with tractor #1775)
18	70073308	4	4	SHIM, channel spacing (Use as required)



TRUCK FRAME (First type)

TRUCK FRAME

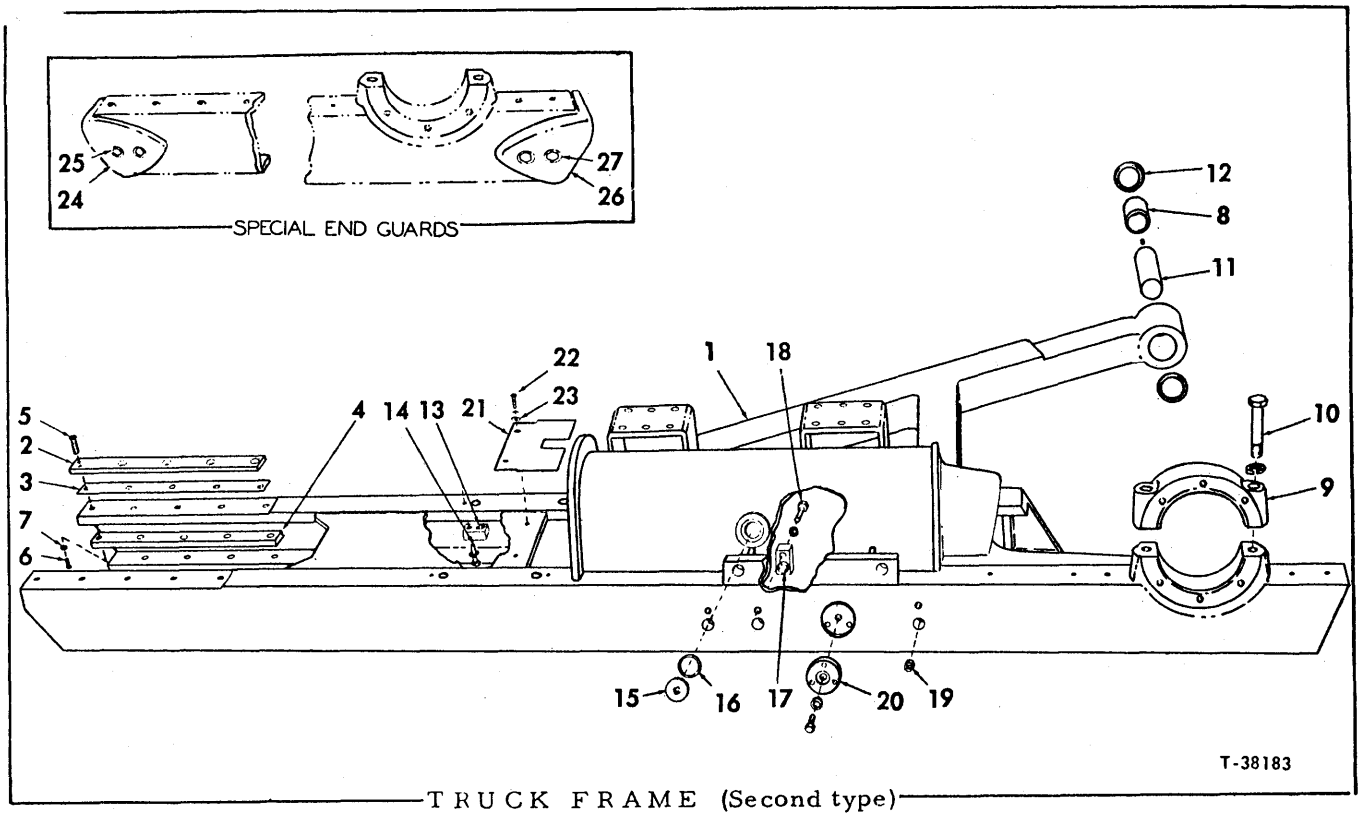
* Models HD16A, AC prior to serial No. 5701
** Models HD16D, DC prior to serial No. 5655
△ Model HD16FC prior to serial No. 5632
△△ Model HD16GC prior to serial No. 5616

ITEM	PART NO.	QUANTITY *	**	△	△△	DESCRIPTION
1	------	1	-	-	-	FRAME ASSEMBLY, left (Order TRUCK FRAME KIT 70632307)
	------	-	1	-	-	FRAME ASSEMBLY, left (Order TRUCK FRAME KIT 70632139)
	70074161	-	-	1	-	FRAME ASSEMBLY, left
	------	-	-	-	1	FRAME ASSEMBLY, left (Order TRUCK FRAME KIT 70631923)
	------	1	-	-	-	FRAME ASSEMBLY, right (Order TRUCK FRAME KIT 70632308)
	------	-	1	-	-	FRAME ASSEMBLY, right (Order TRUCK FRAME KIT 70632140)
	70074162	-	-	1	-	FRAME ASSEMBLY, right
	------	-	-	-	1	FRAME ASSEMBLY, right (Order TRUCK FRAME KIT 70631924)
						NOTE: Each Frame Assembly listed above includes items 2, 5 and 6.
2	70059699	2	2	2	2	BUSHING, pivot shaft
3	70059701	2	2	2	2	SHAFT, pivot
	70907070	2	2	2	2	PLUG, pipe, ctsk-hd., 1/4"NPT
4	70623643	4	4	4	4	SEAL, dirt, pivot shaft
5	70059587	2	2	2	2	CAP, sprocket shaft bearing
6	70012561	4	4	4	4	CAPSCREW, 1"NF x 5-1/4"
	70910916	4	4	4	4	LOCKWASHER, 1"
7	70099494	4	4	4	4	BAR, slide, track idler, upper (When making first replacement also order 2 SHIMS 70099495)
8	70077669	4	4	4	4	BAR, slide, track idler, lower
9	70070403	8	8	8	8	CAPSCREW, slide bar (1/2"NF x 3")
10	70038234	8	8	8	8	NUT, high, 1/2"NF
11	70059398	12	12	12	12	PIN, dowel, track slide bar
12	70099496	8	8	8	8	SHIM, adjusting, track idler slide bar (.014" thick. Use as req'd)
	70059382	12	12	12	12	SHIM, adjusting, track idler slide bar (.028" thick. Use as req'd)
	70099495	8	8	8	8	SHIM, adjusting, track idler slide bar (.065" thick. Use as req'd)
13	70059704	4	4	-	-	BLOCK, equalizing spring seat (7/8" tapped hole)
	70087762	-	-	8	8	BLOCK, rigid beam (1" tapped hole)
14	70035068	4	4	8	8	CAPSCREW, 1/2"NF x 2-1/4"
	70904208	4	4	8	8	LOCKWASHER, 1/2"
15	70035250	2	2	2	2	PLUG, filling hole
16	70035249	2	2	2	2	GASKET, filling hole plug

(Continued)

ITEM	PART NO.	QUANTITY *	**	△	△△	DESCRIPTION
17	70066941	6	6	-	-	BLOCK, tapped (For mounting dozing equipment. 4 used prior to tractor #1277)
18	70035067	6	6	-	-	CAPSCREW, 1/2"NF x 2"
	70904208	6	6	-	-	LOCKWASHER, 1/2"
19	70053421	6	6	-	-	PLUG, thread protecting (3/4"NPT)(For protecting dozer mounting holes. 4 used prior to tractor #12771)
20	70059705	2	2	-	-	COVER (Remove when mounting dozing equipment)
	70903630	2	2	-	-	CAPSCREW, 3/8"NC x 1"
	70904206	2	2	-	-	LOCKWASHER, 3/8"
						NOTE: Items 21 thru 25 comprise the first type closure arrangement used as Special Equipment prior to approx. tractor #4124
21	70094637	2	2	2	2	PLATE, closure
22	70035073	4	4	4	4	CAPSCREW, 1/2"NF x 1-3/4"
	70904208	4	4	4	4	LOCKWASHER, 1/2"
	70064531	4	4	4	4	WASHER, plain
23	70094635	2	2	2	2	ANGLE, closure plate supporting, left
	70094636	2	2	2	2	ANGLE, closure plate supporting, right
24	70023618	4	4	4	4	CAPSCREW, 5/8"NF x 2-1/2"
	70911100	4	4	4	4	WASHER, plain, SAE std., 5/8"
25	70072366	4	4	4	4	NUT, high, 5/8"NF
						NOTE: Items 26 thru 28 comprise the second type closure arrangement used as Standard Equipment effective with approx. tractor #4124
26	70097507	2	2	2	2	PLATE, closure
27	70012992	4	4	4	4	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	4	4	4	4	LOCKWASHER, 3/8"
28	70044973	4	4	4	4	WASHER, plain
						NOTE: Items listed below are Special Equipment
29	70082981	3	3	3	3	GUARD, end, left hand
30	70035229	6	6	6	6	CAPSCREW, 5/8"NF x 2"
	70904209	6	6	6	6	LOCKWASHER, 5/8"
	70911044	6	6	6	6	NUT, 5/8"NF
31	70082982	3	3	3	3	GUARD, end, right hand
32	70035229	6	6	6	6	CAPSCREW, 5/8"NF x 2"
	70904209	6	6	6	6	LOCKWASHER, 5/8"
	70911044	6	6	6	6	NUT, 5/8"NF

MEMO



TRUCK FRAME (Second type)

TRUCK FRAME

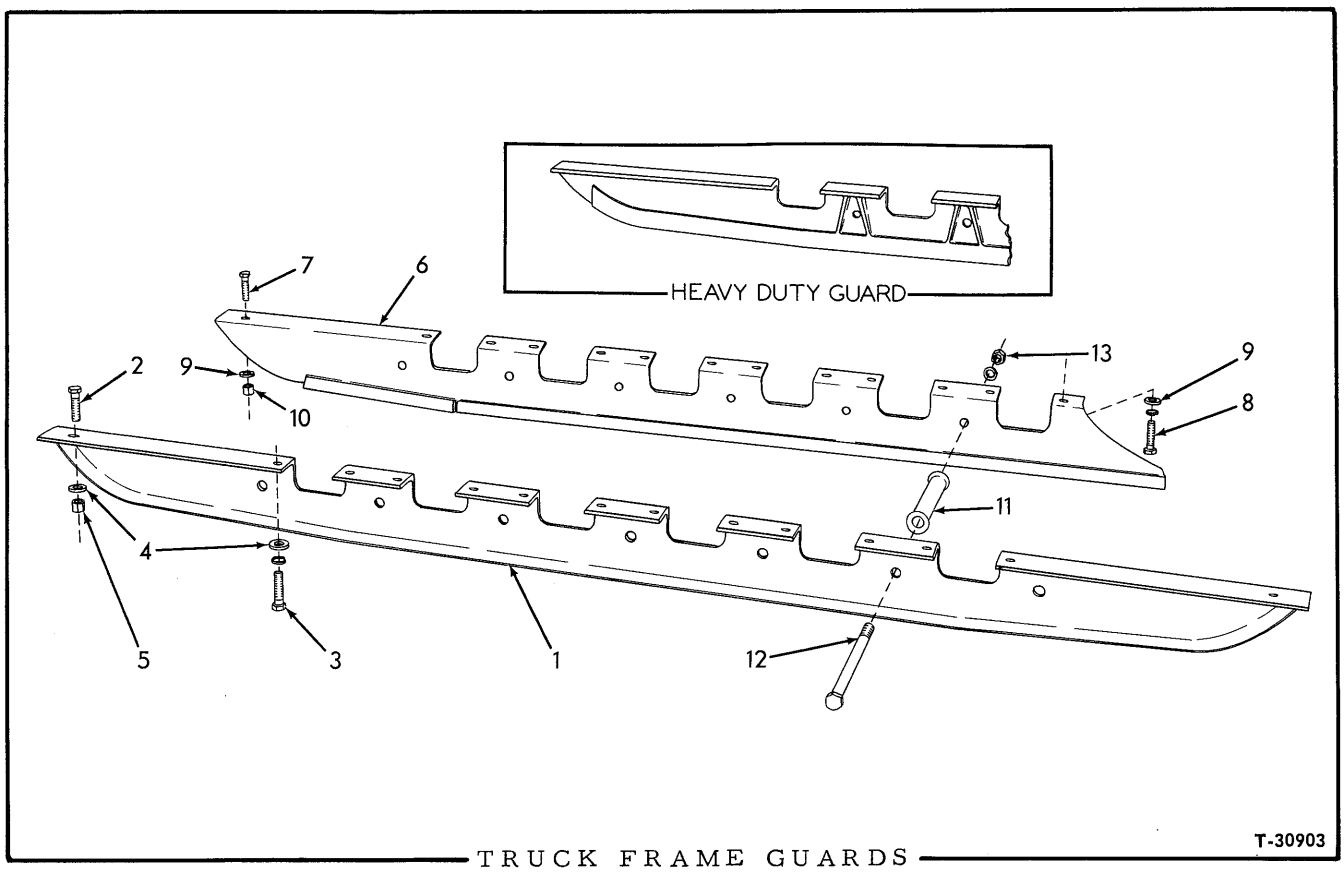
USAGE: Effective on Models HD16A, AC with serial No. 5701
Effective on Models HD16D, DC with serial No. 5655
Effective on Model HD16FC with serial No. 5632
Effective on Model HD16GC with serial No. 5616

* HD16A, AC
** HD16D, DC
△ HD16FC
△△ HD16GC

ITEM	PART NO.	QUANTITY *	**	△	△△	DESCRIPTION
1	70632169	1	-	-	-	FRAME ASSEMBLY, left side
	70631621	-	1	-	-	FRAME ASSEMBLY, left side
	70631913	-	-	1	-	FRAME ASSEMBLY, left side
	70631915	-	-	-	1	FRAME ASSEMBLY, left side
	70632170	1	-	-	-	FRAME ASSEMBLY, right side
	70631622	-	1	-	-	FRAME ASSEMBLY, right side
	70631914	-	-	1	-	FRAME ASSEMBLY, right side
	70631916	-	-	-	1	FRAME ASSEMBLY, right side
						NOTE: Each Frame Assembly listed above includes items 2 thru 10.
2	70631032	4	4	4	4	BAR, slide, track idler, upper
3	70637701	4	4	4	4	SHIM, slide bar (.014" thick. Use as req'd)
	70632580	8	8	8	8	SHIM, slide bar (.028" thick. Use as req'd)
4	70631031	4	4	4	4	BAR, slide, track idler, lower
5	70631034	20	20	20	20	DOWEL, tapped, slide bar retaining
6	70646045	20	20	20	20	CAPSCREW, Nylok, 3/8" NF x 1"
7	70647080	20	20	20	20	WASHER, plain
8	70059699	2	2	2	2	BUSHING, pivot shaft
9	70059587	2	2	2	2	CAP, sprocket shaft bearing
10	70012561	4	4	4	4	CAPSCREW, 1"NF x 5-1/4"
	70910916	4	4	4	4	LOCKWASHER, 1"
11	70059701	2	2	2	2	SHAFT, pivot
	70907070	2	2	2	2	PLUG, pipe, ctsk-hd., 1/4"NPT
12	70623643	4	4	4	4	SEAL, dirt, pivot shaft
13	70631033	4	4	-	-	BLOCK, equalizing spring seat (7/8" tapped hole)
	70632254	-	-	8	8	BLOCK, rigid beam (1" tapped hole)
14	70035068	4	4	8	8	CAPSCREW, 1/2"NF x 2-1/4"
	70904208	4	4	8	8	LOCKWASHER, 1/2"

(Continued)

ITEM	PART NO.	QUANTITY *	**	△	△△	DESCRIPTION
15	70035250	2	2	2	2	PLUG, filling hole
16	70035249	2	2	2	2	GASKET, filling hole plug
17	70066941	6	6	-	-	BLOCK, tapped (For mounting dozing equipment)
18	70035067	6	6	-	-	CAPSCREW, 1/2"NF x 2"
	70904208	6	6	-	-	LOCKWASHER, 1/2"
19	70053421	6	6	-	-	PLUG, thread protecting (3/4"NPT)(For protecting dozer mounting holes)
20	70059705	2	2	-	-	COVER (Remove when mounting dozing equipment)
	70903630	2	2	-	-	CAPSCREW, 3/8"NC x 1"
	70904206	2	2	-	-	LOCKWASHER, 3/8"
21	70097507	2	2	2	2	PLATE, closure
22	70012992	4	4	4	4	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	4	4	4	4	LOCKWASHER, 3/8"
23	70044973	4	4	4	4	WASHER, plain
						NOTE: Items listed below are Special Equipment
24	70656749	3	3	3	3	GUARD, end, left hand
25	70035229	6	6	6	6	CAPSCREW, 5/8"NF x 2"
	70904209	6	6	6	6	LOCKWASHER, 5/8"
	70911044	6	6	6	6	NUT, 5/8"NF
26	70656750	3	3	3	3	GUARD, end, right hand
27	70035229	6	6	6	6	CAPSCREW, 5/8"NF x 2"
	70904209	6	6	6	6	LOCKWASHER, 5/8"
	70911044	6	6	6	6	NUT, 5/8"NF



TRUCK FRAME GUARDS

USAGE: Model HD16A,AC tractors prior to serial No. 5701

* Standard equipment. Tractors prior to serial No. 4710 excluding EXCEPTIONS below
** Standard equipment. Tractors serial No. 4710 and up including EXCEPTIONS below
*** Special equipment (Heavy-duty)

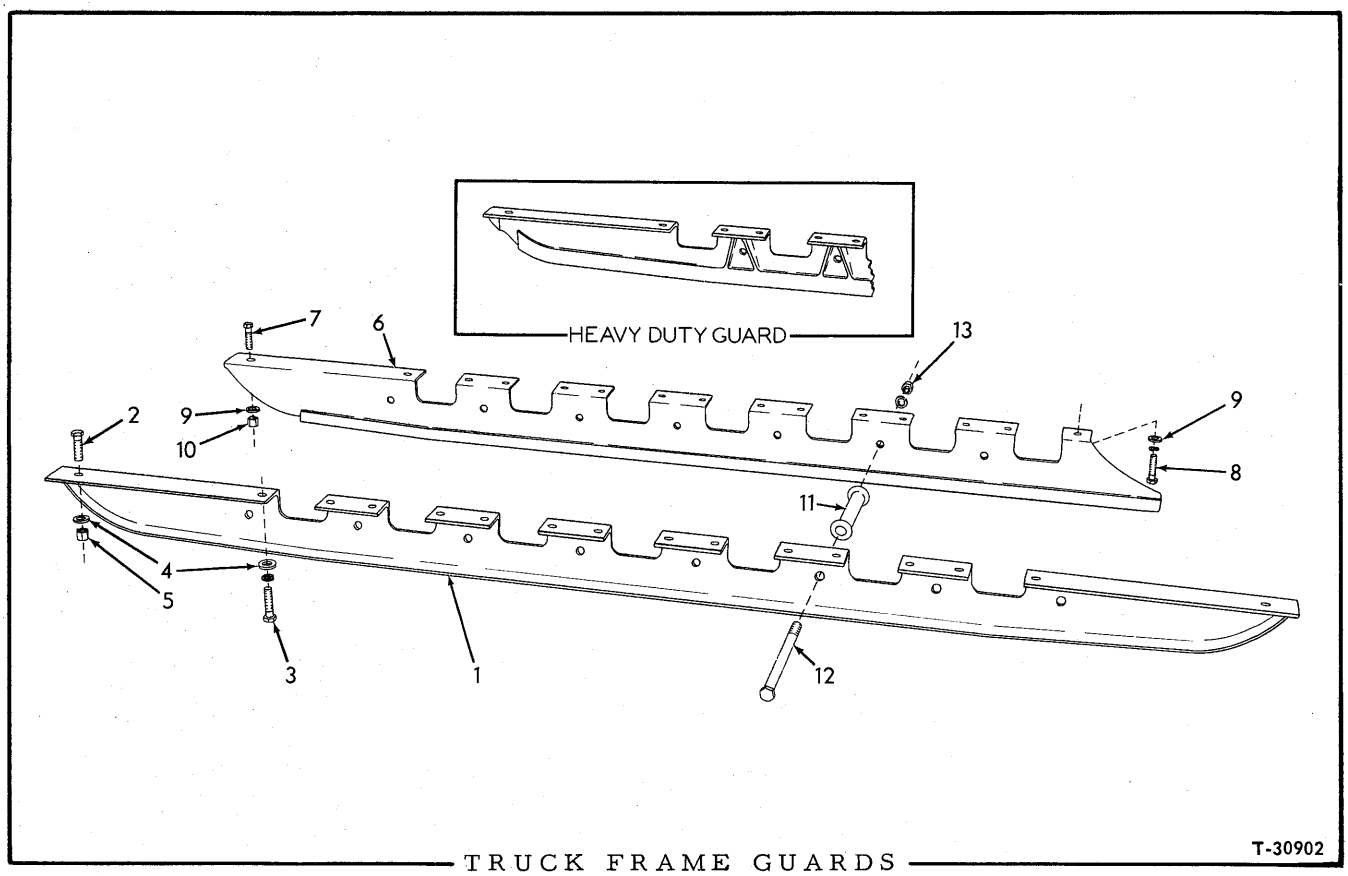
ITEM	PART NO.	QUANTITY *	**	***	DESCRIPTION
1	70099602	2	-	-	GUARD, outer
	70099603	-	2	-	GUARD, outer
	70082921	-	-	2	GUARD, outer
2	70012984	4	4	-	CAPSCREW, 3/4"NF x 2-3/4"
3	70070285	24	24	28	CAPSCREW, 3/4"NF x 3"
	70904369	24	24	24	LOCKWASHER, 3/4"
4	70061689	28	28	28	WASHER, plain
5	70012767	4	4	4	NUT, high, 3/4"NF

(Continued)

TRUCK FRAME GUARDS (Continued)

ITEM	PART NO.	QUANTITY *	**	***	DESCRIPTION
6	70099605	1	-	-	GUARD, inner, left truck frame
	70099606	1	-	-	GUARD, inner, right truck frame
	70099607	-	1	-	GUARD, inner, left truck frame
	70099608	-	1	-	GUARD, inner, right truck frame
	70082925	-	-	1	GUARD, inner, left truck frame
	70082926	-	-	1	GUARD, inner, right truck frame
7	70012984	2	2	-	CAPSCREW, 3/4"NF x 2-3/4"
8	70070285	24	24	26	CAPSCREW, 3/4"NF x 3"
	70904369	24	24	24	LOCKWASHER, 3/4"
9	70061689	26	26	26	WASHER, plain
10	70012767	2	2	2	NUT, high, 3/4"NF
11	70082915	-	12	10	SPACER, guard bracing
12	70099712	-	12	-	CAPSCREW, guard bracing spacer (7/8"NF x 12-7/8")
	70082917	-	-	10	CAPSCREW, guard bracing spacer (7/8"NF x 13-5/16")
	70905347	-	12	10	LOCKWASHER, 7/8"
13	70070400	-	12	10	NUT, high, 7/8"NF

EXCEPTIONS: HD16-4253, 4260, 4385, 4390, 4396, 4397, 4403, 4421, 4426, 4427, 4432, 4439, 4445, 4450, 4474, 4475, 4480, 4481, 4486, 4487, 4492, 4498, 4505, 4540, 4541, 4546, 4552, 4585, 4601, 4605, 4609, 4613, 4621, 4633, 4647, 4649, 4652, 4655, 4658, 4661, 4664, 4667, 4670, 4673, 4676, 4686



TRUCK FRAME GUARDS

USAGE: Model HD16D, DC tractors prior to serial No. 5655
Model HD16FC tractors prior to serial No. 5632

* Standard equipment. Tractors prior to serial No. 4699 excluding EXCEPTIONS below
** Standard equipment. Tractors serial No. 4699 and up including EXCEPTIONS below
*** Special equipment (Heavy-duty)

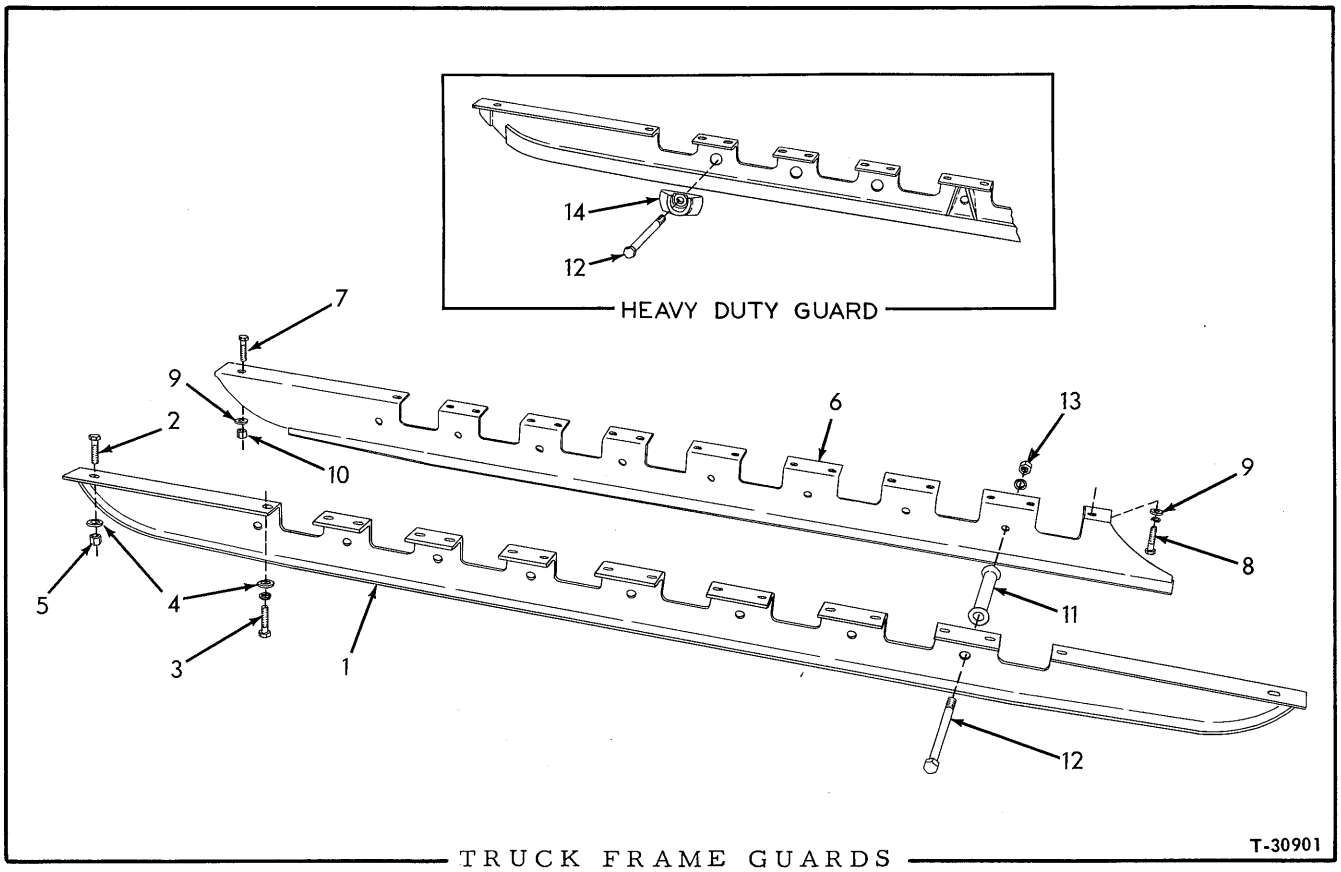
ITEM	PART NO.	QUANTITY *	**	***	DESCRIPTION
1	70099609	2	-	-	GUARD, outer
	70099610	-	2	-	GUARD, outer
	70093586	-	-	2	GUARD, outer
2	70012984	4	4	-	CAPSCREW, 3/4"NF x 2-3/4"
3	70070285	28	28	32	CAPSCREW, 3/4"NF x 3"
	70904369	28	28	28	LOCKWASHER, 3/4"
4	70061689	32	32	32	WASHER, plain
5	70012767	4	4	4	NUT, high, 3/4"NF

(Continued)

TRUCK FRAME GUARDS (Continued)

ITEM	PART NO.	QUANTITY *	**	***	DESCRIPTION
6	70074173	1	-	-	GUARD, inner, left truck frame
	70074174	1	-	-	GUARD, inner, right truck frame
	70099613	-	1	-	GUARD, inner, left truck frame
	70099614	-	1	-	GUARD, inner, right truck frame
	70093787	-	-	1	GUARD, inner, left truck frame
	70093788	-	-	1	GUARD, inner, right truck frame
7	70012984	2	2	-	CAPSCREW, 3/4"NF x 2-3/4"
8	70070285	28	28	30	CAPSCREW, 3/4"NF x 3"
	70904369	28	28	28	LOCKWASHER, 3/4"
9	70061689	30	30	30	WASHER, plain
10	70012767	2	2	2	NUT, high, 3/4"NF
11	70082915	-	14	12	SPACER, guard bracing
12	70099712	-	14	-	CAPSCREW, guard bracing spacer (7/8"NF x 12-7/8")
	70082917	-	-	12	CAPSCREW, guard bracing spacer (7/8"NF x 13-5/16")
	70905347	-	14	12	LOCKWASHER, 7/8"
13	70070400	-	14	12	NUT, high, 7/8"NF

EXCEPTIONS: HD16-4364, 4369, 4488, 4501, 4507, 4508, 4509, 4515, 4524, 4525, 4530, 4538, 4542, 4545, 4547, 4548, 4550, 4551, 4554, 4555, 4557, 4559, 4560, 4561, 4563, 4566, 4567, 4568, 4570, 4571, 4579, 4580, 4586, 4587, 4588, 4590, 4591, 4592, 4595, 4596, 4598, 4599, 4600, 4603, 4607, 4611, 4615, 4618, 4619, 4620, 4622, 4623, 4624, 4626, 4627, 4628, 4630, 4631, 4632, 4634, 4635, 4636, 4638, 4639, 4641, 4644, 4651, 4653, 4654, 4656, 4657, 4663, 4665, 4666, 4668, 4669, 4671, 4672, 4674, 4675, 4677, 4678, 4679, 4681, 4682, 4683, 4689, 4691, 4692, 4695, 4698.



TRUCK FRAME GUARDS

USAGE: Model HD16GC tractors prior to serial No. 5616

* Standard equipment. Tractors prior to serial No. 4710 excluding EXCEPTIONS below
** Standard equipment. Tractors serial No. 4710 and up including EXCEPTIONS below
*** Special equipment (Heavy-duty)

ITEM	PART NO.	QUANTITY *	**	***	DESCRIPTION
1	70099619	1	-	-	GUARD, outer, left truck frame
	70089794	1	-	-	GUARD, outer, right truck frame
	70099621	-	1	-	GUARD, outer, left truck frame
	70099622	-	1	-	GUARD, outer, right truck frame
	70092619	-	-	1	GUARD, outer, left truck frame
	70092620	-	-	1	GUARD, outer, right truck frame
2	70012984	4	4	-	CAPSCREW, 3/4"NF x 2-3/4"
3	70070285	32	32	36	CAPSCREW, 3/4"NF x 3"
	70904369	32	32	32	LOCKWASHER, 3/4"
4	70061689	36	36	36	WASHER, plain
5	70012767	4	4	4	NUT, high, 3/4"NF

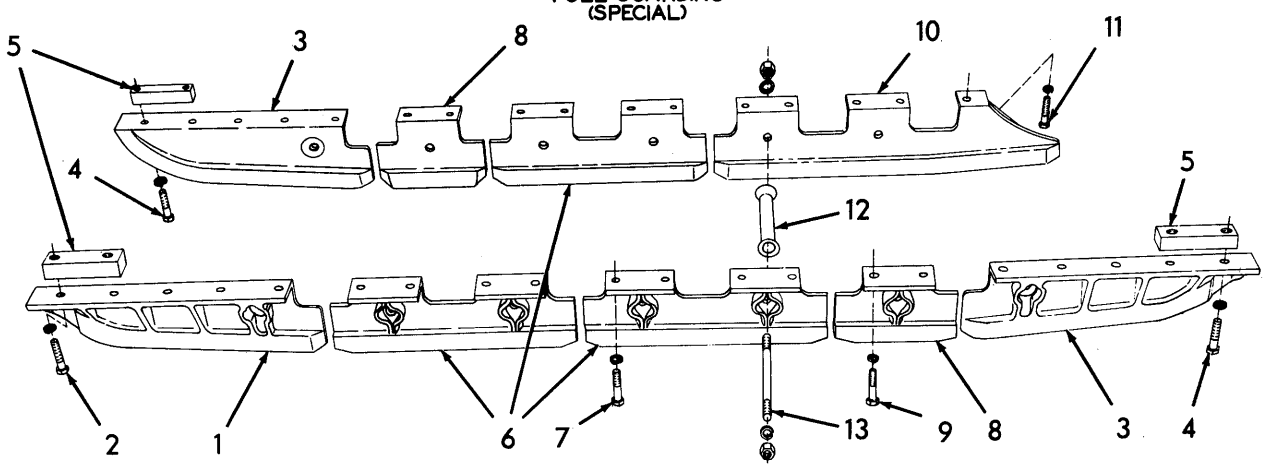
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TRUCK FRAME GUARDS (Continued)

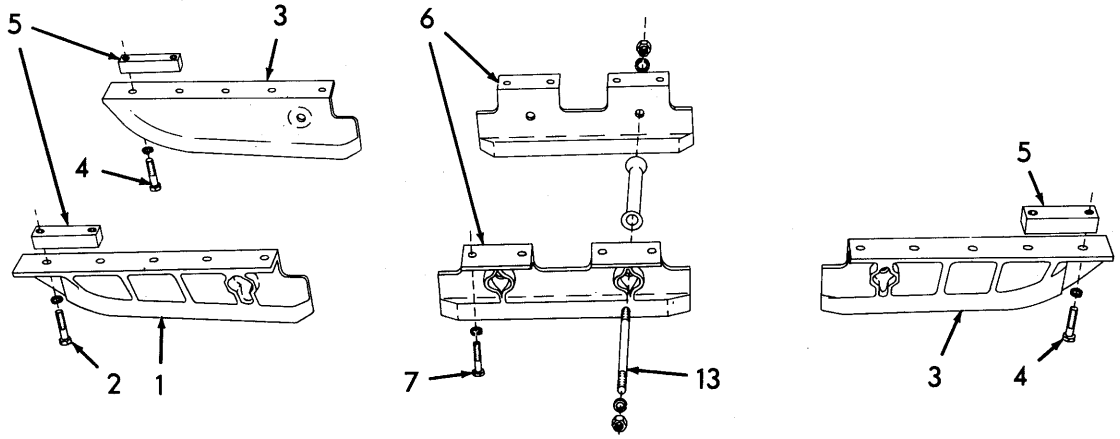
ITEM	PART NO.	QUANTITY *	**	***	DESCRIPTION
6	70089795	1	-	-	GUARD, inner, left truck frame
	70089796	1	-	-	GUARD, inner, right truck frame
	70099617	-	1	-	GUARD, inner, left truck frame
	70099618	-	1	-	GUARD, inner, right truck frame
	70092623	-	-	1	GUARD, inner, left truck frame
	70092624	-	-	1	GUARD, inner, right truck frame
7	70012984	2	2	-	CAPSCREW, 3/4"NF x 2-3/4"
8	70070285	32	32	34	CAPSCREW, 3/4"NF x 3"
	70904369	32	32	32	LOCKWASHER, 3/4"
9	70061689	34	34	34	WASHER, plain
10	70012767	2	2	2	NUT, high, 3/4"NF
11	70082915	-	16	14	SPACER, guard bracing
12	70099712	-	16	-	CAPSCREW, guard bracing spacer (7/8"NF x 12-7/8")
	70082917	-	-	8	CAPSCREW, guard bracing spacer (7/8"NF x 13-5/16")
	70092616	-	-	6	CAPSCREW, guard bracing spacer (7/8"NF x 13-7/8")
	70905347	-	16	8	LOCKWASHER, 7/8"
13	70070400	-	16	14	NUT, high, 7/8"
14	70092627	-	-	12	GUARD, bracing capscrew (For use with 70092616 CAPSCREW)

EXCEPTIONS: HD16-4516, 4534, 4629, 4640

FULL GUARDING
(SPECIAL)



PARTIAL GUARDING
(STANDARD)



T-38185

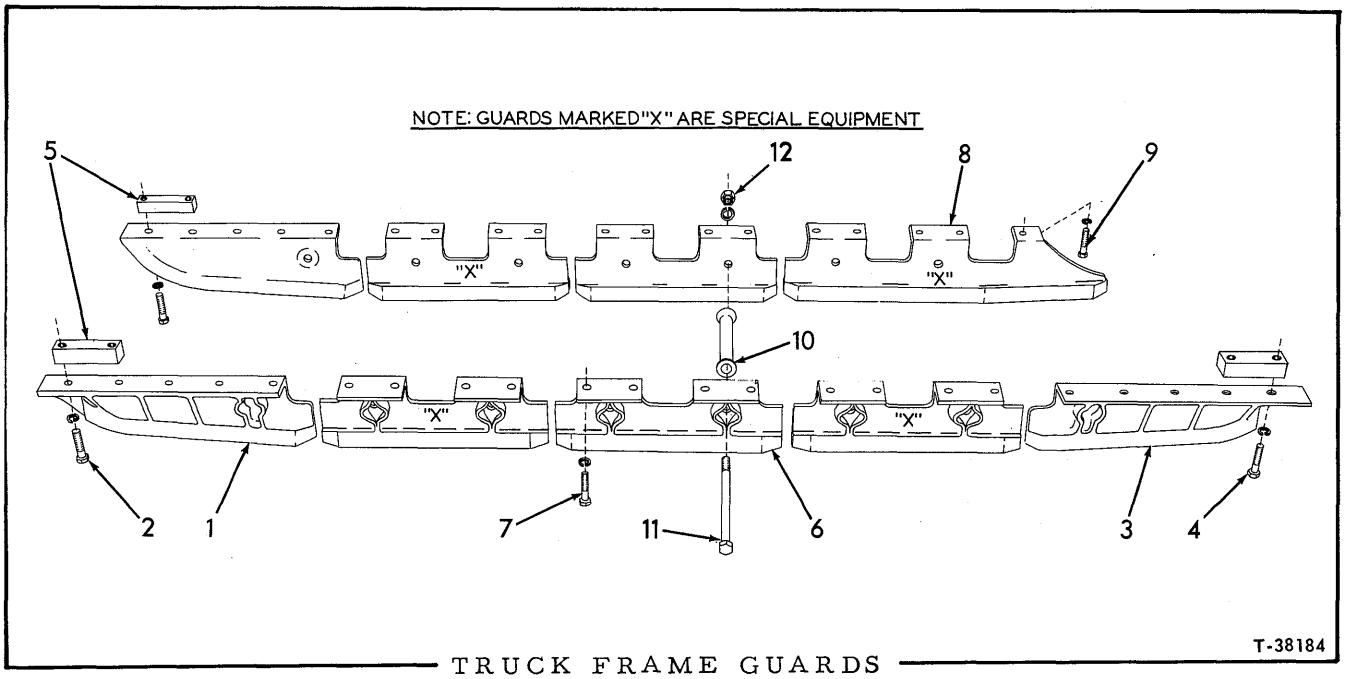
TRUCK FRAME GUARDS (Second type. Models HD16A, AC)

TRUCK FRAME GUARDS

USAGE: Model HD16A, AC tractors serial No. 5701 and up

*Partial guarding. Standard equipment
**Full guarding. Special equipment

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70632341	3	3	GUARD, end section, left hand
2	70012526	15	15	CAPSCREW, 3/4"NF x 3-1/4"
	70904369	15	15	LOCKWASHER, 3/4"
3	70632342	3	3	GUARD, end section, right hand
4	70012526	15	15	CAPSCREW, 3/4"NF x 3-1/4"
	70904369	15	15	LOCKWASHER, 3/4"
5	70632323	12	12	BLOCK, tapped, end guard attachment
6	70632380	4	6	GUARD, center section, long
7	70012526	16	24	CAPSCREW, 3/4"NF x 3-1/4"
	70904369	16	24	LOCKWASHER, 3/4"
8	70632309	-	4	GUARD, center section, short
9	70012526	-	8	CAPSCREW, 3/4"NF x 3-1/4"
	70904369	-	8	LOCKWASHER, 3/4"
10	70632441	-	1	GUARD, rear inner section, left side
	70632442	-	1	GUARD, rear inner section, right side
11	70012526	-	10	CAPSCREW, 3/4"NF x 3-1/4"
	70904369	-	10	LOCKWASHER, 3/4"
12	70082915	6	12	SPACER, guard bracing
13	70650848	6	12	ROD, guard bearing (7/8"NF x 14-1/4")
	70905347	12	24	LOCKWASHER, 7/8"
	70911046	12	24	NUT, 7/8"NF

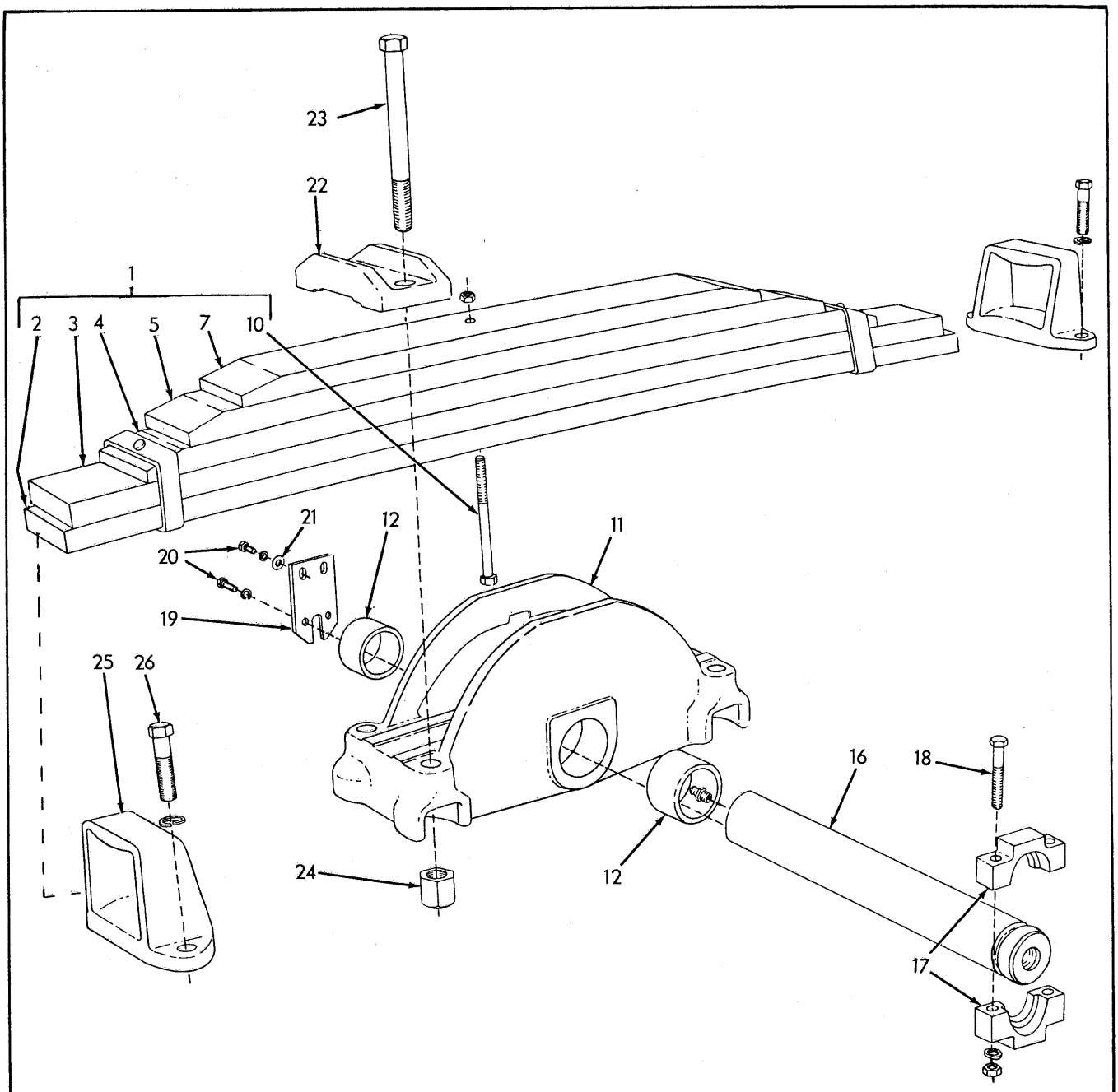


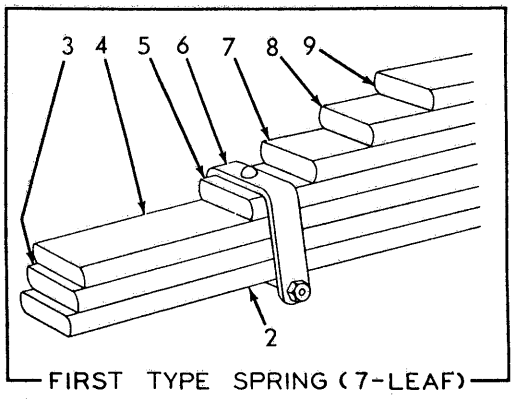
TRUCK FRAME GUARDS

USAGE: Model HD16D, DC tractors serial No. 5655 and up
Model HD16FC tractor serial No. 5632 and up
Model HD16GC tractor serial No. 5616 and up

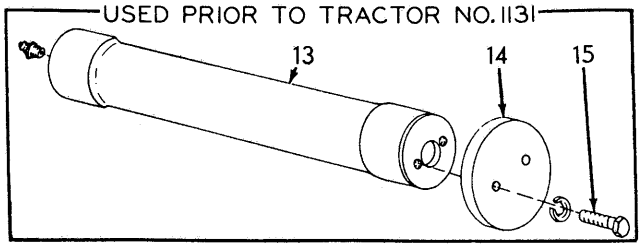
* Partial guarding. Standard equipment
** Full guarding. Special equipment

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70632341	3	3	GUARD, end section, left hand
2	70012526	15	15	CAPSCREW, 3/4"NF x 3-1/4"
	70904369	15	15	LOCKWASHER, 3/4"
3	70632342	3	3	GUARD, end section, right hand
4	70012526	15	15	CAPSCREW, 3/4"NF x 3-1/4"
	70904369	15	15	LOCKWASHER, 3/4"
5	70632323	12	12	BLOCK, tapped, end guard attachment
6	70632380	4	10	GUARD, center section
7	70012526	16	40	CAPSCREW, 3/4"NF x 3-1/4"
	70904369	16	40	LOCKWASHER, 3/4"
8	70632441	-	1	GUARD, rear inner section, left side
	70632442	-	1	GUARD, rear inner section, right side
9	70012526	-	10	CAPSCREW, 3/4"NF x 3-1/4"
	70904369	-	10	LOCKWASHER, 3/4"
10	70082915	6	14	SPACER, guard bracing
11	70631833	6	14	CAPSCREW, guard bracing (7/8"NF x 13-1/2")
	70905347	6	14	LOCKWASHER, 7/8"
12	70070400	6	14	NUT, high, 7/8"NF





FIRST TYPE SPRING (7-LEAF)



T-4286

EQUALIZING SPRING

EQUALIZING SPRING

USAGE: Models HD16A, AC, D, DC

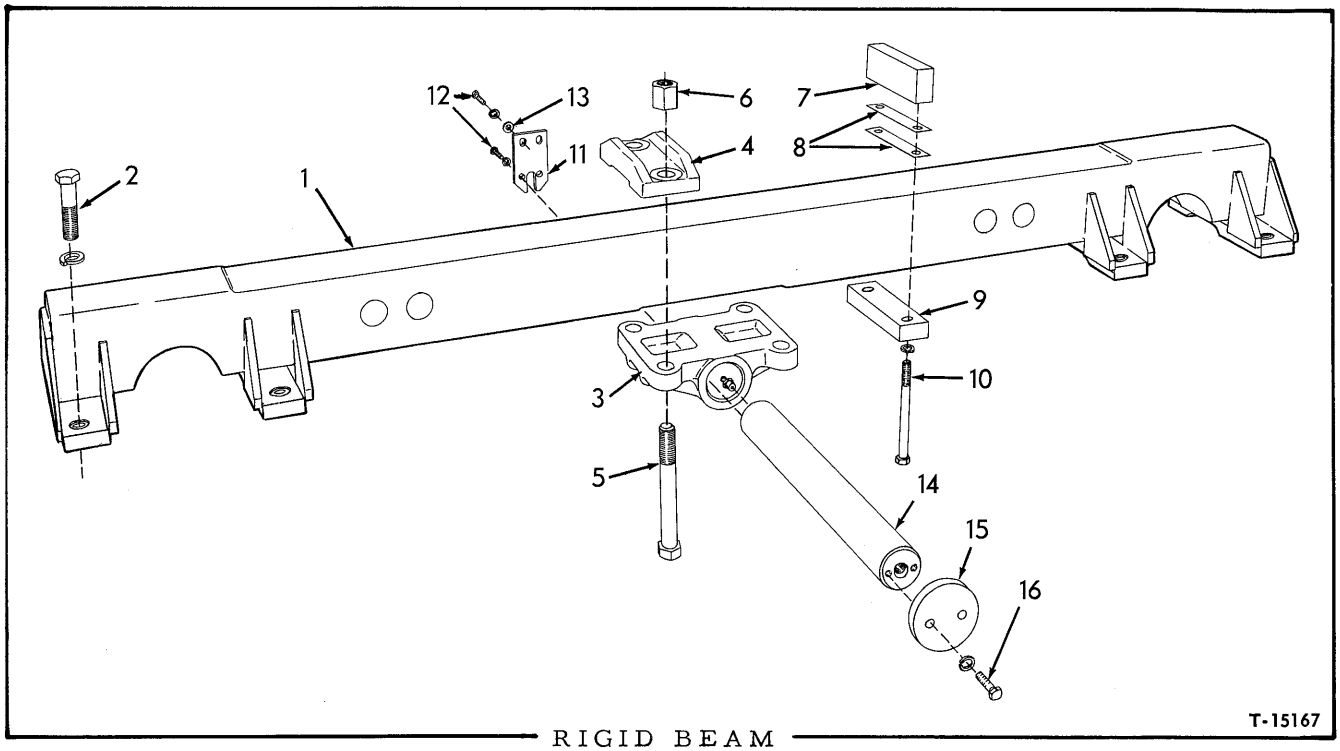
* Tractors prior to serial No. 4986
** Tractors serial No. 4986 and up

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	------	1	-	SPRING ASSEMBLY (Consists of items 2 thru 10)(Order SPRING ASSEMBLY70099303.If for tractors prior to #1888 also order 2 SEATS 70090760)
	70099303	-	1	SPRING ASSEMBLY (Consists of items 2, 3, 4, 5, 7 and 10)
2	70059491	1	-	LEAF, main (65-1/2" long)
	70099298	-	1	LEAF, main (65-1/2" long)
3	70096259	1	-	LEAF, second (64-1/2" long)
	70099299	-	1	LEAF, second (64-1/2" long)
4	70059492	1	-	LEAF, third (53-1/2" long)(Used prior to tractor #1888)
	70096260	1	-	LEAF, third (63-1/2" long)(Effective with tractor #1888)
	70099300	-	1	LEAF, third (55-1/2" long)
5	70059493	1	-	LEAF, fourth (47-1/4" long. Includes item 6)
	70099301	-	1	LEAF, fourth (45-1/2" long)
6	70088874	2	-	CLIP KIT, spring rebound (Each consists of 1 clip, 1 rivet, 1 bolt, 1 nut and 1 spacer)
7	70059495	1	-	LEAF, fifth (40-7/8" long)
	70099302	-	1	LEAF, fifth (35-1/2" long)
8	70059496	1	-	LEAF, sixth (34-5/8" long)
9	70059497	1	-	LEAF, seventh (28-1/4" long)
10	70060933	1	-	BOLT, center (1/2"NF x 8". Includes NUT 70911043)
	70911043	1	-	NUT, 1/2"NF
	70052253	-	1	BOLT, center (5/8"NF x 7-3/4". Includes NUT 70911044)
	70911044	-	1	NUT, 5/8"NF
11	70083408	1	1	SADDLE ASSEMBLY (Includes item 12)
12	70056166	2	2	BUSHING, saddle
13	70623076	1	-	PIN, spring pivot (Used prior to tractor #1311)
	70912497	1	-	FITTING, lubricating, straight, 1/4"NPT (Not original equipment)
14	70059404	1	-	WASHER, pivot pin (Used prior to tractor #1311)
15	70035073	2	-	CAPSCREW, 1/2"NF x 1-3/4"
	70904208	2	-	LOCKWASHER, 1/2"
16	70623075	1	1	PIN, spring pivot (Effective with tractor #1311)
	70912497	1	1	FITTING, lubricating, straight, 1/4"NPT (Effective with tractor #5122)

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EQUALIZING SPRING (Continued)

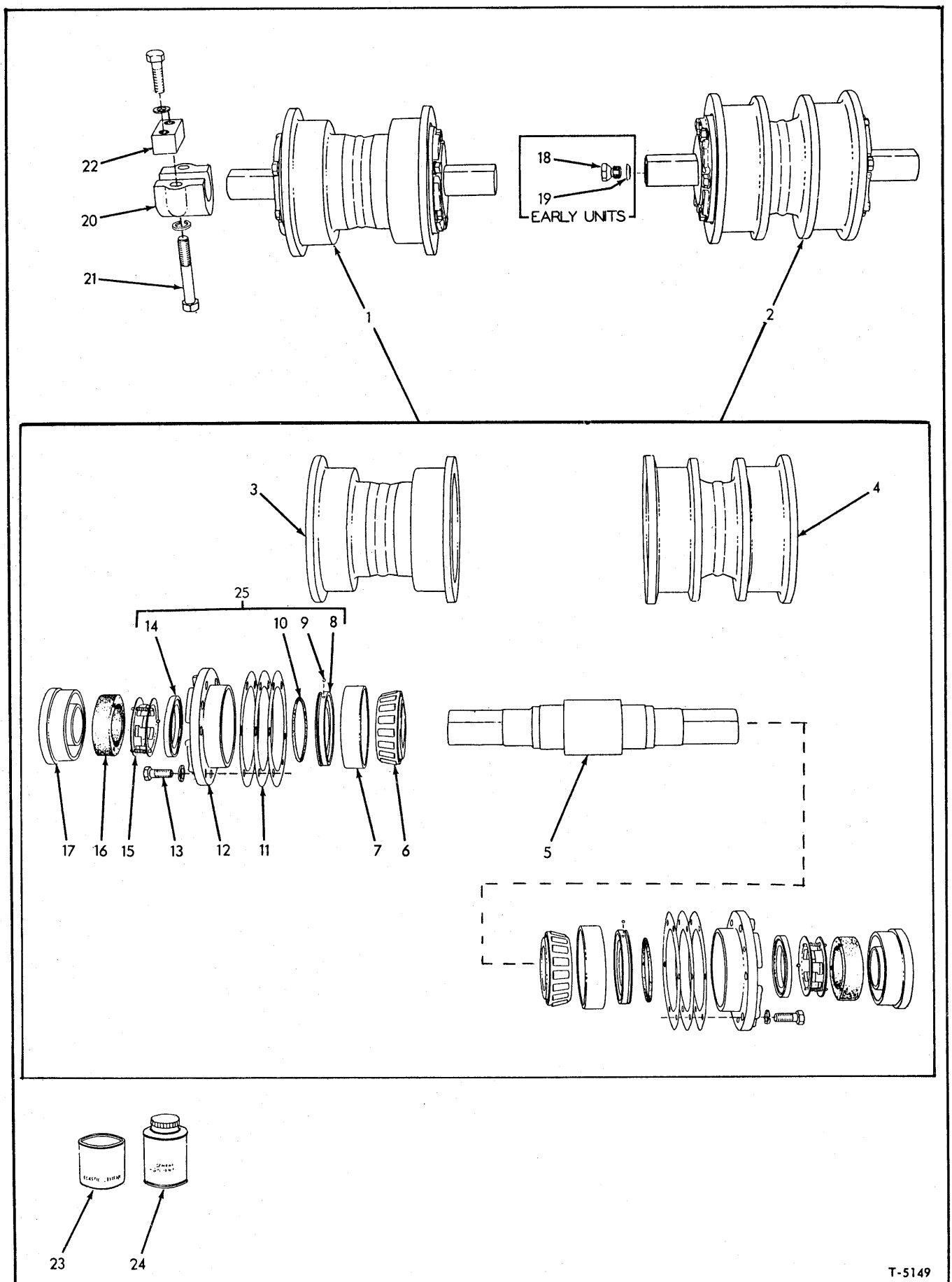
ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
17	70089138	2	2	CAP, pivot pin clamping (Effective with tractor #1311)
18	70061631	2	2	CAPSCREW, 1/2"NC x 3-1/2"
	70904208	2	2	LOCKWASHER, 1/2"
	70911028	2	2	NUT, 1/2"NC
19	70627321	1	1	PLATE, pivot pin retaining
20	70035073	4	4	CAPSCREW, 1/2"NF x 1-3/4"
	70904208	4	4	LOCKWASHER, 1/2"
21	70064531	2	2	WASHER, plain
22	70059403	2	2	SADDLE, spring
23	70065878	4	4	CAPSCREW, spring saddle (1-1/4"NF x 12")
24	70083390	4	4	NUT, high, 1-1/4"NF
25	70059479	2	-	SEAT, spring (Used prior to tractor #1888)
	70090760	2	2	SEAT, spring (1-7/8" pad)(Used on Model HD16A, AC tractors #1888 thru #5700 and on Model HD16D, DC tractors #1888 thru #5654)
	70630546	-	2	SEAT, spring (1-5/8" pad)(Effective with tractors #5701 on Models HD16A, AC and #5655 on Models HD16D, DC)
26	70012762	4	4	CAPSCREW, 7/8"NF x 3-1/4"
	70905347	4	4	LOCKWASHER, 7/8"



RIGID BEAM

USAGE: Models HD16FC, GC

ITEM	PART NO.	QTY.	DESCRIPTION
1	70087687	1	BEAM, rigid
2	70073424	8	CAPSCREW, 1"NF x 4"
	70910916	8	LOCKWASHER, 1"
3	70087678	1	SADDLE, rigid beam
4	70059403	2	SADDLE, bolt
5	70074292	4	CAPSCREW, saddle (1-1/4"NF x 10-5/8")
6	70083390	4	NUT, high, 1-1/4"NF
7	70087695	2	BLOCK, spacing
8	70087692	8	SHIM, spacing (1/16" thick. Use as required)
	70087693	6	SHIM, spacing (1/32" thick. Use as required)
9	70087694	2	BLOCK, clamping
10	70065468	4	CAPSCREW, 5/8"NF x 8-1/4"
	70904209	4	LOCKWASHER, 5/8"
11	70627321	1	PLATE, saddle pin retaining
12	70035073	4	CAPSCREW, 1/2"NF x 1-3/4"
	70904208	4	LOCKWASHER, 1/2"
13	70064531	2	WASHER, plain
14	70623076	1	PIN, beam saddle
	70912497	1	FITTING, lubricating, straight, 1/4"NPT (Effective with tractor #5110)
15	70059404	1	WASHER, saddle pin
16	70035073	2	CAPSCREW, 1/2"NF x 1-3/4"
	70904208	2	LOCKWASHER, 1/2"


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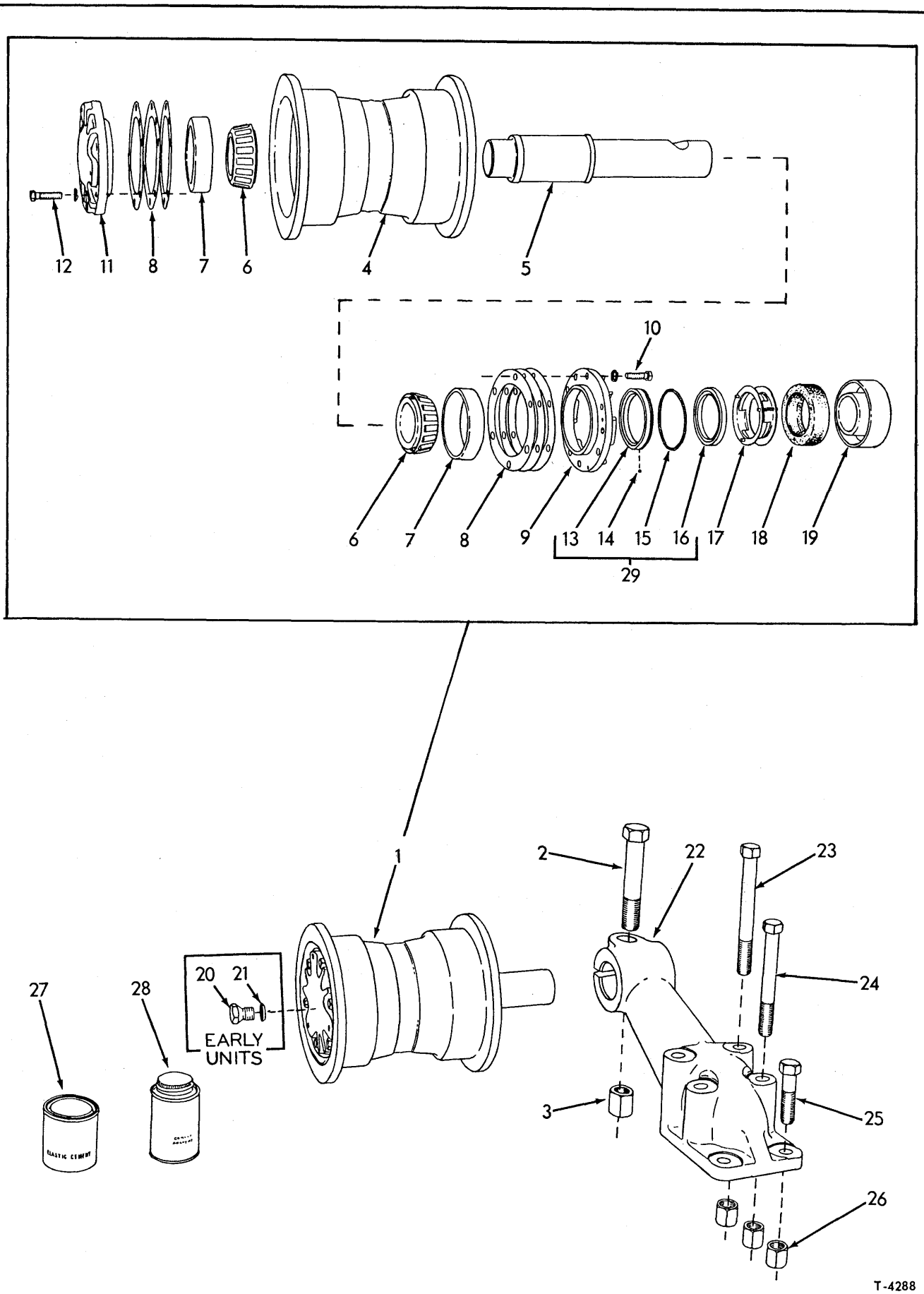
T-5149

TRUCK WHEELS

ITEM	PART NO.	QTY.	DESCRIPTION
1	70622435	1	WHEEL ASSEMBLY, single flange (Consists of items 3 and 5 thru 17)
2	70622436	1	WHEEL ASSEMBLY, double flange (Consists of items 4 thru 17) (Used prior to tractor #4726 only)
3	70074485	1	WHEEL, single flange
4	70074486	1	WHEEL, double flange (Used prior to tractor #4726 only)
5	70622002	1	SHAFT
6	70087027	2	CONE ASSEMBLY, bearing } When making first replacement on tractors prior to #629 order as a unit
7	70087026	2	CUP, bearing } When making first replacement on tractors prior to #629 order as a unit
8	70645976	2	RING, seal, inner (See item 25)
9	70905357	2	BALL, steel, 3/16" diam. (See item 25)
10	70923818	2	O-RING, seal packing (See item 25)
11	70655464	4	SHIM, bearing adjustment (.003" thick. Use as required)
	70077287	4	SHIM, bearing adjustment (.007" thick. Use as required)
	70077286	4	SHIM, bearing adjustment (.010" thick. Use as required)
	70077285	2	SHIM, bearing adjustment (.032" thick. Use as required)
12	70074489	2	RETAINER, bearing
13	70070469	12	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	12	LOCKWASHER, 1/2"
14	70051124	2	RING, seal, outer (See item 25)
15	70051121	2	SPRING ASSEMBLY, seal (Serviced only as a unit)
16	70051112	2	BOOT, seal spring
17	70074487	2	RETAINER, seal
18	70034042	1	PLUG, shaft oil hole (Used prior to tractor #5083)
19	70034043	1	GASKET, shaft oil hole plug (Used prior to tractor #5083)
20	70066692	2	BRACKET, attaching
21	70071014	4	CAPSCREW, 3/4"NF x 4-1/2"
	70904369	4	LOCKWASHER, 3/4"
22	70051919	4	BLOCK, tapped (tapered section)(Used prior to tractors #5701 on HD16A,AC; #5655 on HD16D,DC; #5632 on HD16FC; #5616 on HD16GC)
	70631290	4	BLOCK, tapped (straight section)(Effective with tractors #5701 on HD16A,AC; #5655 on HD16D,DC; #5632 on HD16FC; #5616 on HD16GC)
	70917157	4	CAPSCREW, 3/4"NF x 2-3/4" } Not used where Truck Frame Guards are installed
	70904369	4	LOCKWASHER, 3/4" } Not used where Truck Frame Guards are installed
23	70033288	-	CEMENT, neoprene, 1/2 pint can } For cementing seal boots
24	70054890	-	SOLVENT, neoprene cement, 1/2 pint can } For cementing seal boots
25	70083212	1	SEAL KIT (Includes parts for one (1) wheel only; items 8, 9, 10 and 14)

NOTE: All quantities indicated above are for one (1) wheel only. Tractors prior to serial No. 4726 used four (4) double-flange wheels. The number of wheels used on the various models is as follows:

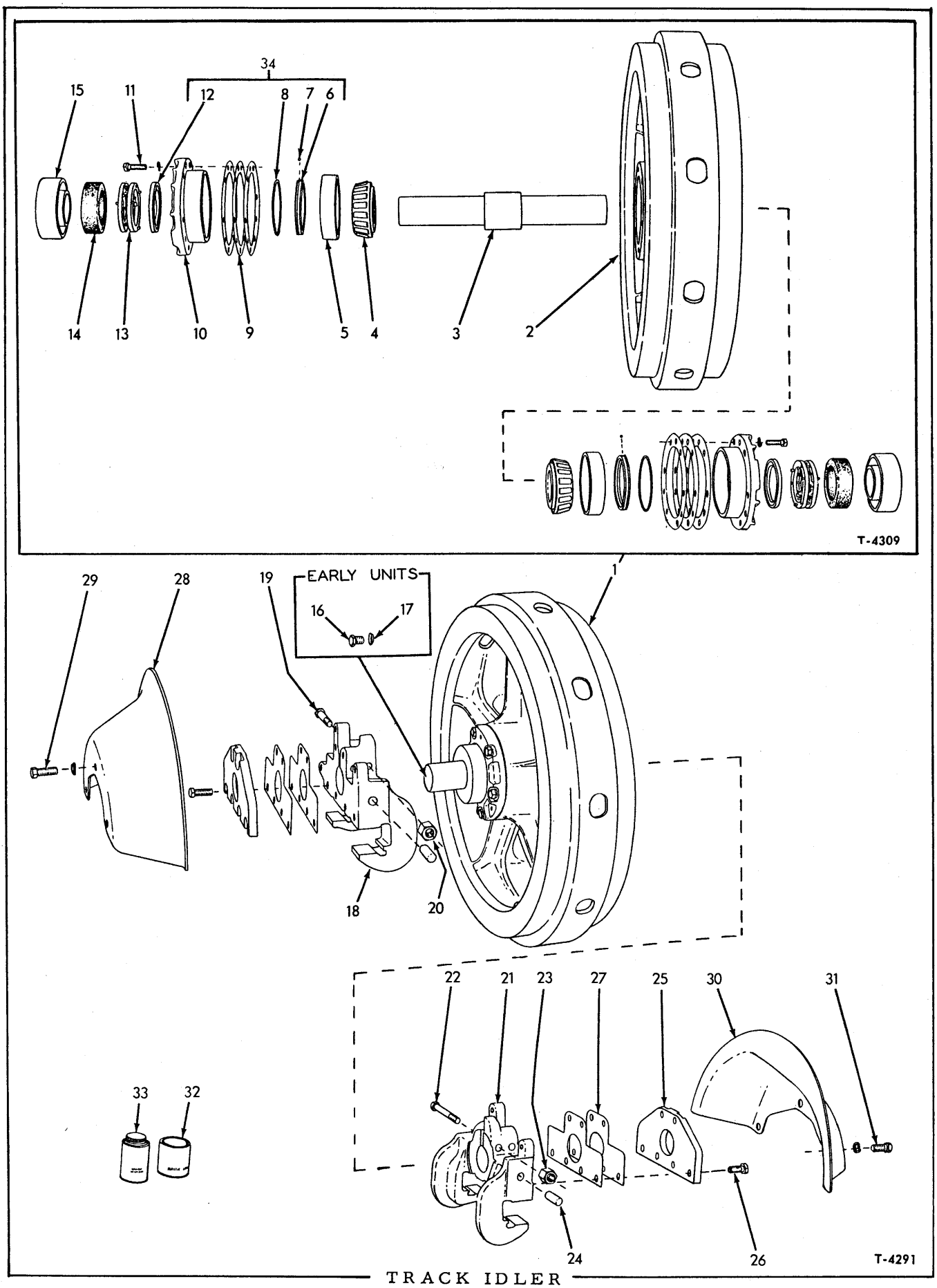
Models HD16A,AC 12
Models HD16D,DC,FC 14
Model HD16GC 16



TRACK SUPPORTING ROLLER

TRACK SUPPORTING ROLLER

ITEM	PART NO.	QTY.	DESCRIPTION
1	70622396	4	ROLLER ASSEMBLY, track supporting (Consists of items 4 thru 19)
2	70012561	4	CAPSCREW, 1"NF x 5-1/4"
3	70600236	4	NUT, high, 1"NF
4	70067293	4	ROLLER
5	70622395	4	SHAFT
6	70043491	8	CONE ASSEMBLY, bearing
7	70074740	8	CUP, bearing
8	70655497	16	SHIM, bearing adjustment (.003" thick. Use as required)
	70059618	24	SHIM, bearing adjustment (.007" thick. Use as required)
	70059619	20	SHIM, bearing adjustment (.010" thick. Use as required)
	70059617	8	SHIM, bearing adjustment (.032" thick. Use as required)
9	70622753	4	RETAINER, inner bearing
10	70012992	24	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	24	LOCKWASHER, 3/8"
11	70622195	4	RETAINER, outer bearing
12	70012992	24	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	24	LOCKWASHER, 3/8"
13	70067253	4	RING, seal, inner (See item 29)
14	70905357	4	BALL, steel, 3/16" diam. (See item 29)
15	70923585	4	RING, seal packing (See item 29)
16	70067251	4	RING, seal, outer (See item 29)
17	70048681	4	SPRING ASSEMBLY, seal (Serviced only as a unit)
18	70048679	4	BOOT, seal spring
19	------	4	RETAINER, seal (3-7/8"O.D.)(Used prior to tractor #5098. Order RETAINER 70622751 and RETAINER 70622753)
	70622751	4	RETAINER, seal (4"O.D.)(Effective with tractor #5098)
20	70034042	4	PLUG, oil hole (Used prior to tractor #5098)
21	70034043	4	GASKET, oil hole plug (Used prior to tractor #5098)
22	70084593	4	BRACKET
23	70075567	8	CAPSCREW, 3/4"NF x 6-1/2"
24	70051634	8	CAPSCREW, 3/4"NF x 5-3/4"
25	70012984	8	CAPSCREW, 3/4"NF x 2-3/4"
26	70012767	24	NUT, high, 3/4"NF
27	70033288	-	CEMENT, neoprene, 1/2 pint can } For cementing seal boots
28	70054890	-	SOLVENT, neoprene cement, 1/2 pint can } For cementing seal boots
29	70073169	4	SEAL KIT (Includes parts for one (1) roller assembly only; items 13 thru 16)


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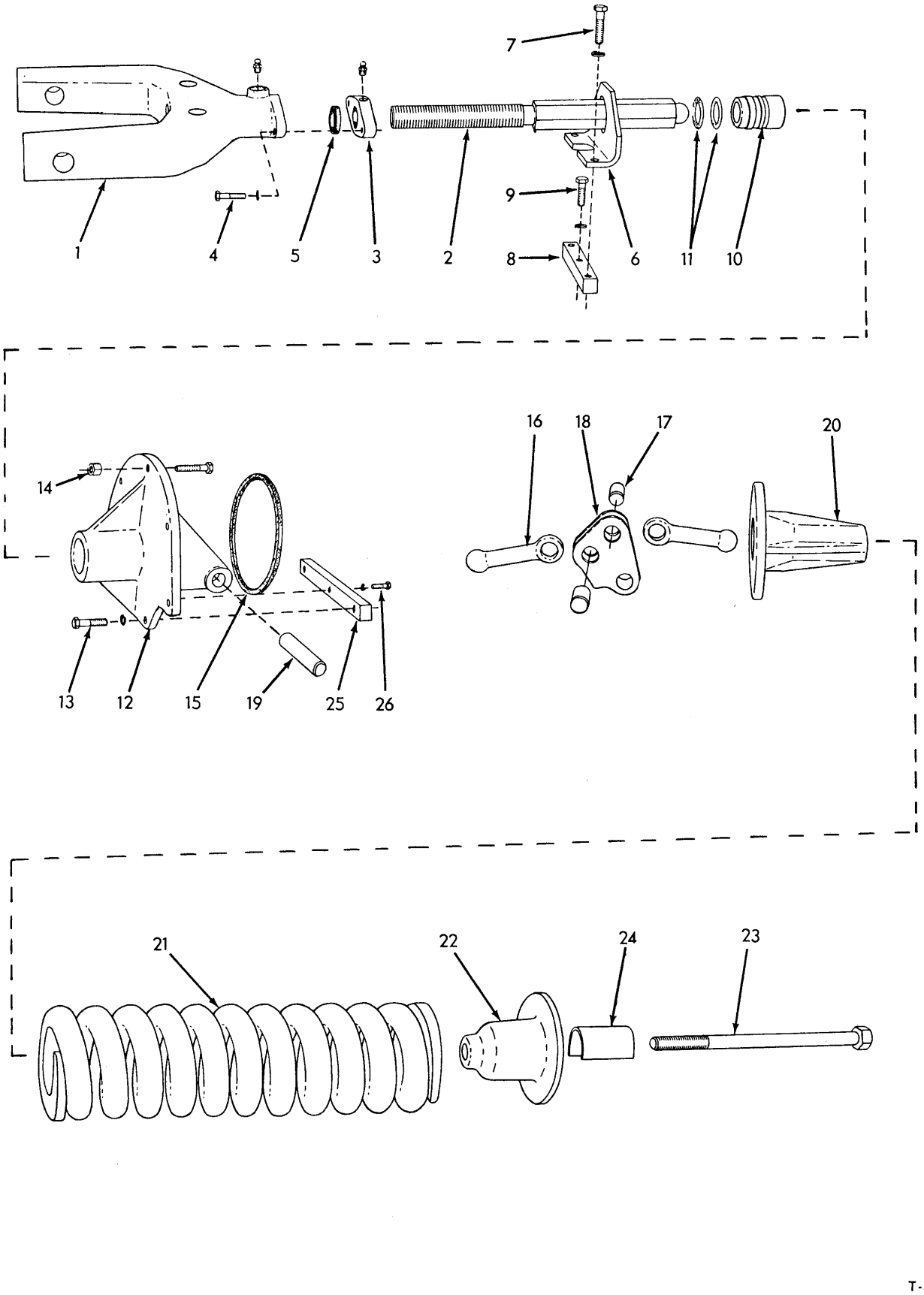
TRACK IDLER

TRACK IDLER

ITEM	PART NO.	QTY.	DESCRIPTION
1	70621707	2	IDLER ASSEMBLY, track (Consists of items 2 thru 15)
2	70621868	2	IDLER
3	70622001	2	SHAFT
4	70042873	4	CONE ASSEMBLY, bearing
5	70042898	4	CUP, bearing
6	70067139	4	RING, seal, inner (See item 34)
7	70905357	4	BALL, steel, 3/16" diam. (See item 34)
8	70067137	4	RING, seal packing (See item 34)
9	70655528	8	SHIM, bearing adjustment (.003" thick. Use as required)
	70059387	12	SHIM, bearing adjustment (.007" thick. Use as required)
	70059386	12	SHIM, bearing adjustment (.010" thick. Use as required)
	70059385	4	SHIM, bearing adjustment (.032" thick. Use as required)
10	70067141	4	RETAINER, bearing
11	70035018	24	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	24	LOCKWASHER, 1/2"
12	70051623	4	RING, seal, outer (See item 34)
13	70051959	4	SPRING ASSEMBLY, seal (Serviced only as a unit)
14	70051629	4	BOOT, seal
15	70099506	4	RETAINER, seal
16	70034042	2	PLUG, shaft oil hole (Used prior to tractor #5109)
17	70034043	2	GASKET, oil hole plug (Used prior to tractor #5109)
18	70099503	2	BRACKET ASSEMBLY, left (Includes item 24)(Used prior to tractors #5701 on HD16A, AC; #5655 on HD16D, DC; #5632 on HD16FC; #5616 on HD16GC)
	70631291	2	BRACKET ASSEMBLY, left (Includes item 24)(Effective with tractors #5701 on HD16A, AC; #5655 on HD16D, DC; #5632 on HD16FC; #5616 on HD16GC)
19	70638796	4	CAPSCREW, 5/8"NF x 5"
20	70072366	4	NUT, high, 5/8"NF
21	70099504	2	BRACKET ASSEMB LY, right (Includes item 24)(Used prior to tractors #5701 on HD16A, AC; #5655 on HD16D, DC; #5632 on HD16FC; #5616 on HD16GC)
	70631292	2	BRACKET ASSEMBLY, right (Includes item 24)(Effective with tractors #5701 on HD16A, AC; #5655 on HD16D, DC; #5632 on HD16FC; #5616 on HD16GC)
22	70638796	4	CAPSCREW, 5/8"NF x 5"
23	70072366	4	NUT, high, 5/8"NF

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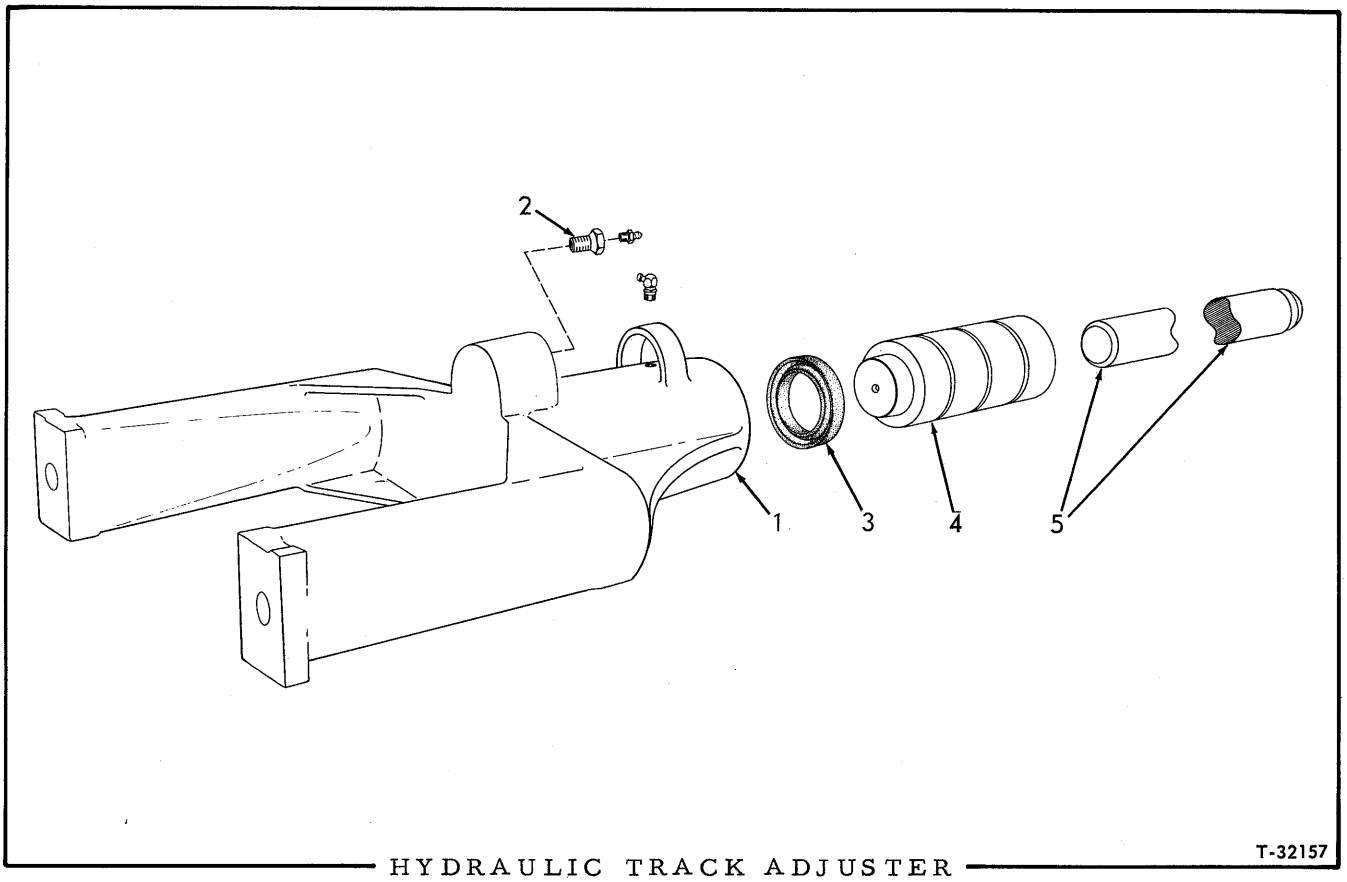
ITEM	PART NO.	QTY.	DESCRIPTION
24	70056585	4	PIN, dowel, idler bracket to release yoke
25	70077754	4	PLATE, guide (6" high. Used with BRACKETS 70099503 or 70099504 only)
	70638957	4	PLATE, guide (5-5/8" high. Used with BRACKETS 70631291 or 70631292 only)
26	70035014	24	CAPSCREW, 5/8"NF x 1-1/2"
27	70078984	8	SHIM, guide plate (1/32" thick. Use as required)
	70078985	4	SHIM, guide plate (1/16" thick. Use as required)
28	70081405	2	GUARD, left
29	70035014	6	CAPSCREW, 5/8"NF x 1-1/2"
	70904209	6	LOCKWASHER, 5/8"
30	70081406	2	GUARD, right
31	70035014	6	CAPSCREW, 5/8"NF x 1-1/2"
	70904209	6	LOCKWASHER, 5/8"
32	70033288	-	CEMENT, neoprene, 1/2 pint can } For cementing seal boots
33	70054890	-	SOLVENT, neoprene cement, 1/2 pint can } For cementing seal boots
34	70083209	2	SEAL KIT (Includes parts for one (1) idler only; items 6, 7, 8 and 12)



TRACK RELEASE

TRACK RELEASE

ITEM	PART NO.	QTY.	DESCRIPTION
1	70059735	2	YOKE
	70914465	2	FITTING, lubricating, straight, 1/8"NPT
	70910011	2	PLUG, expansion, 2-1/2" diam. (Early units)
2	70059730	2	SCREW, adjustment (12-1/4" long)(Models HD16A, AC)
	70079660	2	SCREW, adjustment (24" long)(Model HD16D, DC, FC)
	70095278	2	SCREW, adjustment (31-3/4" long)(Model HD16GC)
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	70066068	2	SEAL, protecting, adjustment screw threads (rubber)
6	70096630	2	BRACKET, supporting, adjustment screw (Model HD16GC effective with tractor #2739. Also Models HD16D, DC and FC effective with tractor #3035)
7	70023618	4	CAPSCREW, 5/8"NF x 2-1/2"
	70904209	4	LOCKWASHER, 5/8"
8	70093431	2	BLOCK, mounting, adjustment screw bracket (Model HD16GC effective with tractor #2739. Also Models HD16D, DC and FC effective with tractor #3035)
9	70035229	2	CAPSCREW, 5/8"NF x 2"
	70904209	2	LOCKWASHER, 5/8"
10	------	2	CROSSHEAD (Used prior to tractor #5068)(Order CROSSHEAD 70621299 and 2 O-RINGS 70621301)
	70621299	2	CROSSHEAD (Effective with tractor #5068)
11	70041076	2	SEAL, crosshead (square section)(Used prior to tractor #5068)
	70923827	4	O-RING, crosshead (circular section)(Effective with tractor #5068)
12	70059736	2	GUIDE, crosshead
13	70023618	14	CAPSCREW, 5/8"NF x 2-1/2"
	70904209	4	LOCKWASHER, 5/8"
14	70072366	10	NUT, high, 5/8"NF
15	70059742	2	GASKET, crosshead guide
16	70059731	4	ROD, push
17	70051798	4	PIN, push rod
18	70622566	2	BELLCRANK
19	70059737	2	PIN, bellcrank pivot
20	70059740	2	PLUNGER, spring
21	70059713	2	SPRING
22	70059741	2	SEAT, spring
23	70059739	2	CAPSCREW, spring adjustment
24	70059738	2	LOCK, spring adjustment capscrew
25	70059599	2	BLOCK, mounting, crosshead guide
26	70035073	2	CAPSCREW, 1/2"NF x 1-3/4"
	70904208	2	LOCKWASHER, 1/2"

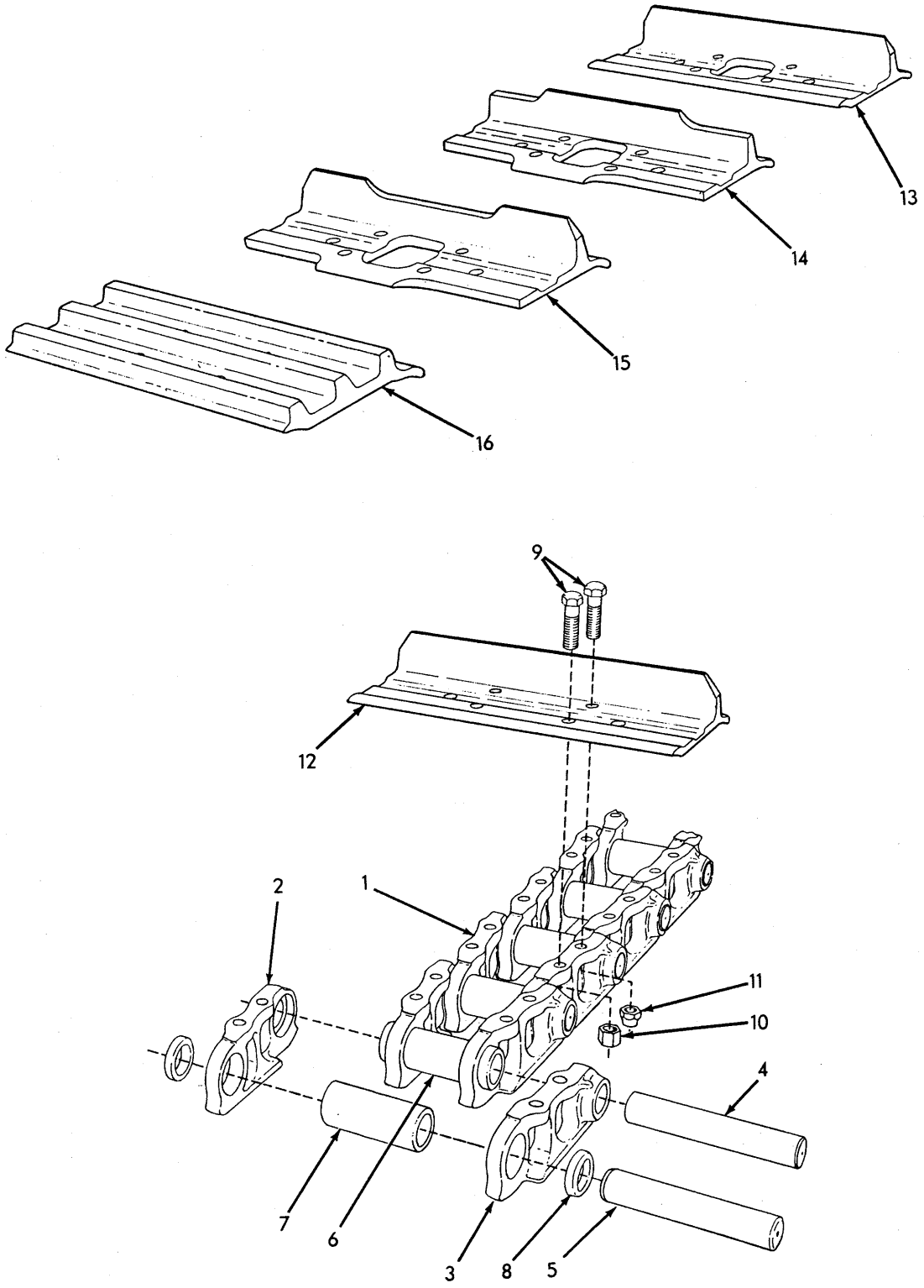


HYDRAULIC TRACK ADJUSTER

USAGE: Special Equipment

ITEM	PART NO.	QTY.	DESCRIPTION
1	70624207	2	YOKE ASSEMBLY (Includes items 2 thru 4 and FITTING indented below)
	70915275	2	FITTING, lubricating, 65°, 1/8"NPT
2	70628915	2	VALVE ASSEMBLY, relief (Serviced only as a unit)
	70918188	2	FITTING, 90°, 1/4" tapered thread (pressurizing)(Used prior to tractor #5741)
	70912808	2	FITTING, straight, 1/4" tapered thread (pressurizing)(Effective with tractor #5741)
3	70628937	2	SEAL, piston
4	70628936	2	PISTON, adjusting
5	70628104	2	BAR, push (9-3/4" long)(For Models HD16A, AC)
	70628105	2	BAR, push (21-1/2" long)(For Models HD16D, DC, FC)
	70628106	2	BAR, push (29-3/8" long)(For Model HD16GC)

MEMO



T-10684

TRACK (First Type)

TRACK

USAGE: Tractors prior to serial No. 2727 excluding No. 2495, 2515, 2529 and 2533 (2-1/2"O.D. bushings)

* Models HD16A,AC
** Model HD16FC
*** Model HD16GC

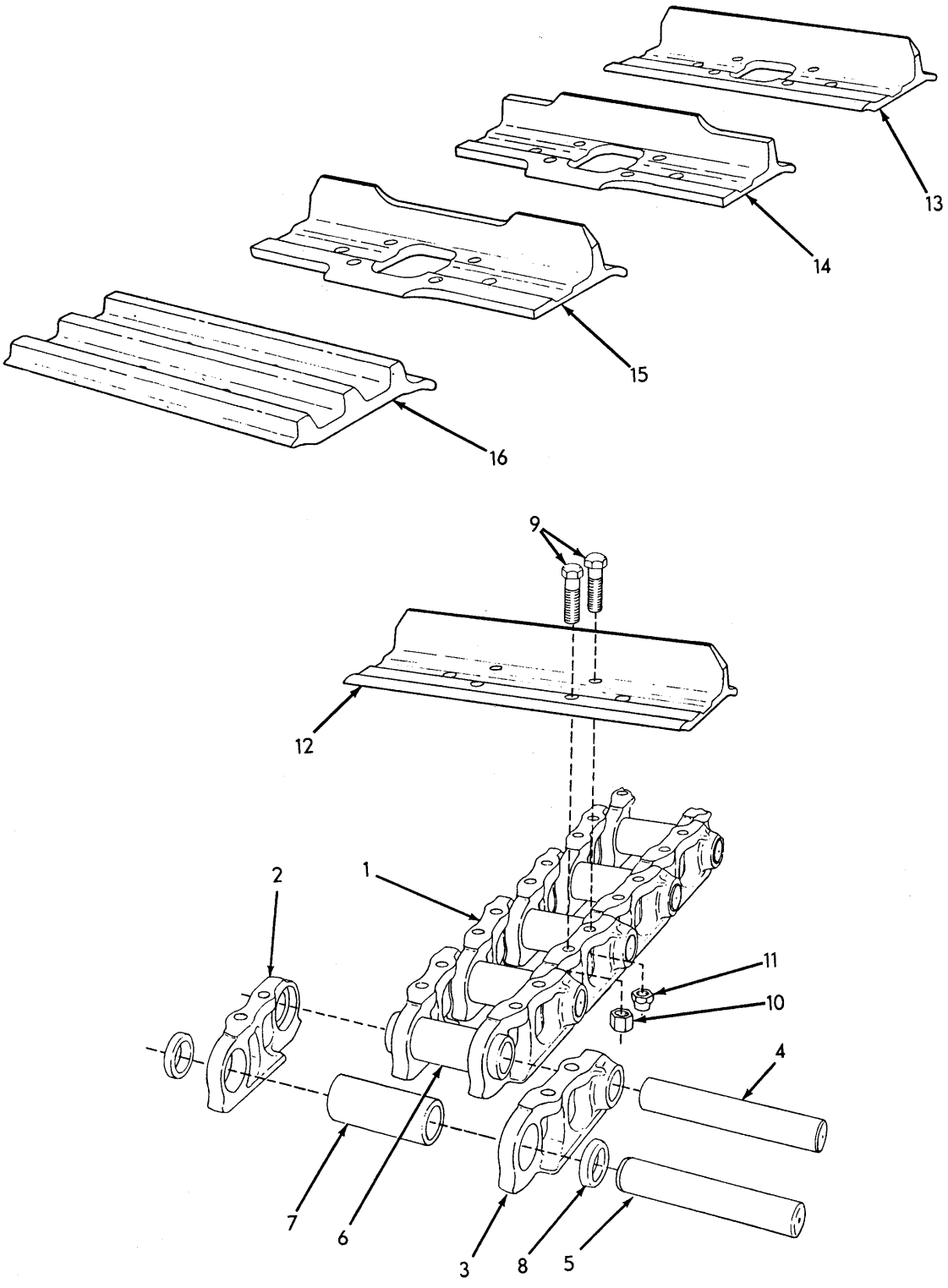
ITEM	PART NO.	QUANTITY *	**	***	DESCRIPTION
1	------	2	-	-	RAIL ASSEMBLY (38 links)(Order RAIL ASSY. 70094807 and SPROCKET RIM 70629271)
	------	-	2	-	RAIL ASSEMBLY (41 links)(Order RAIL ASSY. 70094776 and SPROCKET RIM 70629271)
	------	-	-	2	RAIL ASSEMBLY (43 links)(Order RAIL ASSY. 70094695 and SPROCKET RIM 70629271)
2	70078857	76	82	86	BAR, left
3	70078858	76	82	86	BAR, right
4	70079546	74	80	84	PIN (9-3/8" long)
5	70621297	2	2	2	PIN, master (9-13/16" long)
6	70086447	74	80	84	BUSHING, (6-13/16" long)
7	70079548	2	2	2	BUSHING, master (5-3/4" long)
8	70086533	4	4	4	SPACER, master bushing
9	70097324	304	328	344	BOLT, track shoe (3/4"NF x 2-1/2")
10	70083617	152	164	172	NUT, high, 3/4"NF
11	70083623	152	164	172	NUT (tapered, 3/4"NF)

TRACK SHOES

NOTE: Track shoes over 20" wide cannot be used on Model HD16GC.

12	70032386	76	82	86	SHOE, grouser, 18"
	70031729	76	82	86	SHOE, grouser, 20"
	70033120	76	82	--	SHOE, grouser, 22"
	70031731	76	82	--	SHOE, grouser, 24"
	70060887	76	82	--	SHOE, grouser, 26"
	70631182	76	82	--	SHOE, grouser, 28"
	70620911	38	41	--	SHOE, grouser, left side, 28" (offset 2")
	70620912	38	41	--	SHOE, grouser, right side, 28" (offset 2")
13	70032385	76	82	86	SHOE, grouser, cut-out, 18"
	70032546	76	82	86	SHOE, grouser, cut-out, 20"
	70033114	76	82	--	SHOE, grouser, cut-out, 22"
	70043422	76	82	--	SHOE, grouser, cut-out, 24"
14	70099141	38	40	42	SHOE, grouser, snow and ice, single calk, cut-out, 20"
15	70099142	38	42	44	SHOE, grouser, snow and ice, double calk, cut-out, 20"
16	70078971	76	82	86	SHOE, semi-grouser, 20"
	70099814	76	82	86	SHOE, semi-grouser, cut-out, 22"

NOTE: Complete TRACK ASSEMBLIES with SHOES are available only as listed on page 455. Such tracks have a larger diameter bushing and require use of new track sprocket (SPROCKET 70629072 or SPROCKET RIM 70629271)



T-10684

TRACK (Second type)

TRACK

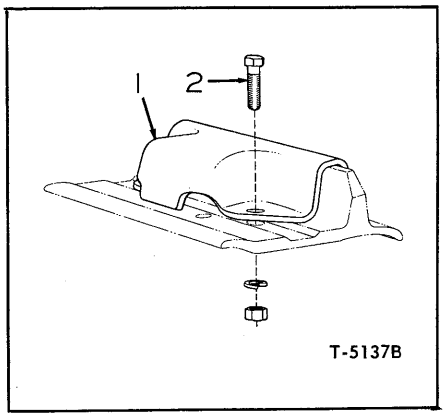
USAGE: Effective with tractor serial No. 2727 including Nos. 2495, 2515, 2529 and 2533 (2-5/8"O. D. bushings)

* Models HD16A, AC
** Models HD16D, DC, FC
*** Model HD16GC

ITEM	PART NO.	QUANTITY *	**	***	DESCRIPTION
1	70094807	2	-	-	RAIL ASSEMBLY (38 links)(Consists of items 2 thru 8)
	70094776	-	2	-	RAIL ASSEMBLY (41 links)(Consists of items 2 thru 8)
	70094695	-	-	2	RAIL ASSEMBLY (43 links)(Consists of items 2 thru 8)
2	70094729	76	82	86	BAR, left
3	70094730	76	82	86	BAR, right
4	70079546	74	80	84	PIN (9-3/8" long)
5	70621297	2	2	2	PIN, master (9-3/8" long)
6	70094723	74	80	84	BUSHING (6-13/16" long)
7	70094727	2	2	2	BUSHING, master (5-3/4" long)
8	70095235	4	4	4	SPACER, master bushing
9	70097324	304	328	344	BOLT, track shoe (3/4"NF x 2-1/2")
10	70083617	152	164	172	NUT, high, 3/4"NF
11	70083623	152	164	172	NUT (tapered, 3/4"NF)

		TRACK SHOES NOTE: Track shoes over 20" wide cannot be used on Model HD16GC	COMPLETE TRACK ASSEMBLIES WITH SHOES (2 Required) * (38 links)	** (41 links)	*** (43 links)
12	70032386	SHOE, grouser, 18"	76	82	86
	70031729	SHOE, grouser, 20" 094733	76	82	86
	70033120	SHOE, grouser, 22" . . . . . 094796 . . . 094774	76	82	86
	70031731	SHOE, grouser, 24" . . . . . 094784 . . . 094768	76	82	86
	70060887	SHOE, grouser, 26"	76	82	86
	70631182	SHOE, grouser, 28" 631197	76	82	--
	70620911	SHOE, grouser, left side, 28" (offset 2")	38	41	--
	70620912	SHOE, grouser, right side, 28"(offset 2")	38	41	--
13	70032385	SHOE, grouser, cut-out, 18"	76	82	86
	70032546	SHOE, grouser, cut-out, 20"	76	82	86
	70033114	SHOE, grouser, cut-out, 22"	76	82	86
	70043422	SHOE, grouser, cut-out, 24"	76	82	86
14	70099141	SHOE, grouser, snow and ice, single calk, cut-out, 20"	38	40	42
15	70099142	SHOE, grouser, snow and ice, double calk, cut-out, 20"	38	42	44
16	70078971	SHOE, semi-grouser, 20"	76	82	86
	70099814	SHOE, semi-grouser, cut-out, 22"	76	82	86

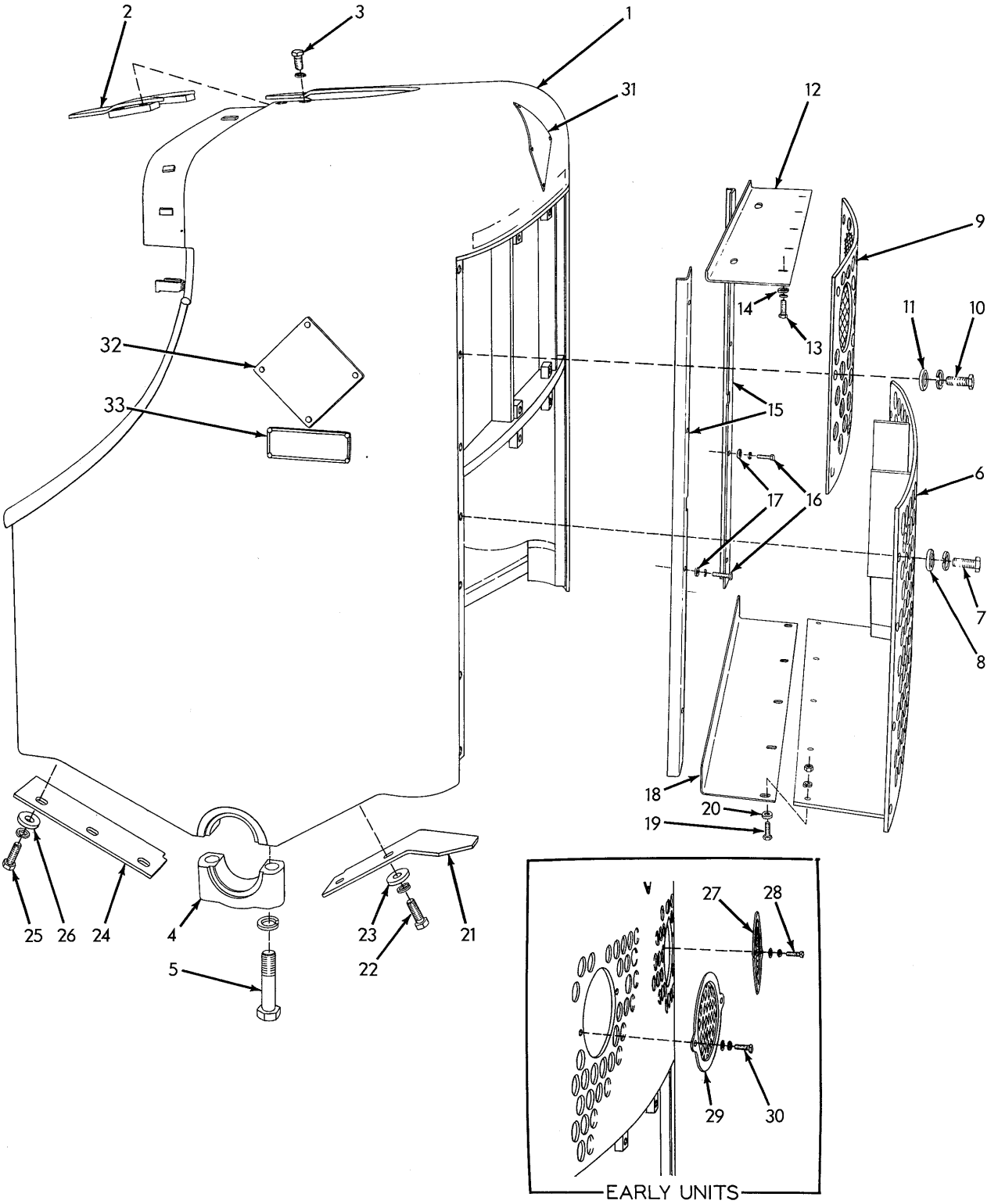
NOTE: Complete TRACK ASSEMBLIES with SHOES are furnished only in sizes and types as listed. Assemblies other than those listed may be made up in the field by ordering the various components.



STREET PLATES

USAGE: Special equipment

ITEM	PART NO.	QTY.	DESCRIPTION
			NOTE: Quantities indicated are for one (1) track shoe only .
1	70052592	1	PLATE, street
2	70012453	2	CAPSCREW, street plate (3/4"NF x 2")
	70904369	2	LOCKWASHER, 3/4"
	70911045	2	NUT, 3/4"NF



T-16267

RADIATOR GUARD (Standard)

RADIATOR GUARD

USAGE: Standard Equipment on all models except HD16GC. See following pages for optional designs.

* Used prior to tractor serial No. 2733
** Effective with tractor serial No. 2733

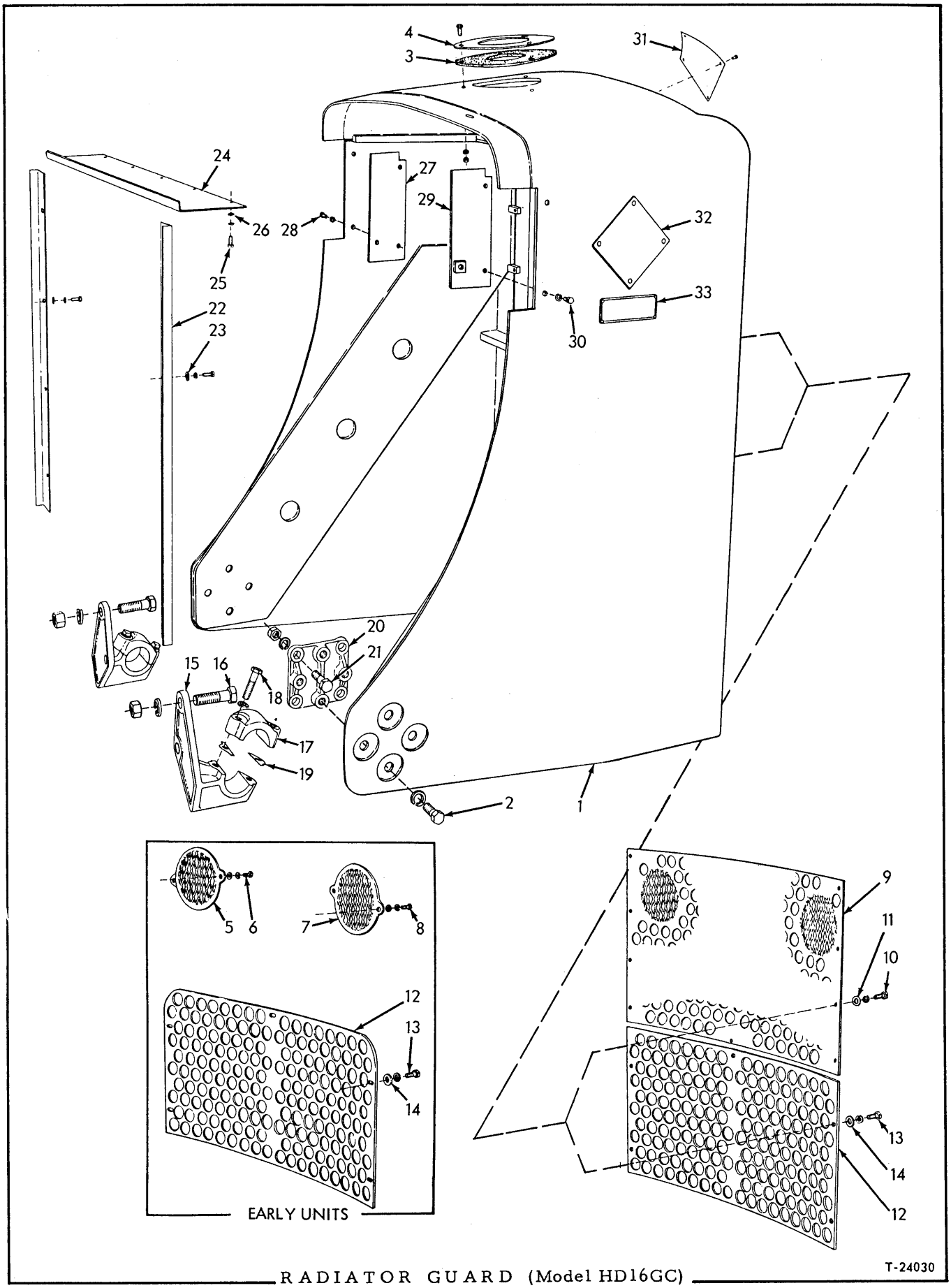
ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	------	1	-	GUARD ASSY., radiator (Order 1 each GUARD ASSY. 70093231, PLATE 70093183, BAFFLE 70093224, CABLE 70093190, CABLE 70093196, CONNECTOR 70048142; 2 each GROMMET 70044810, GROMMET 70083683, CLIP 70235794, 1 CABLE 70093176, BRACKET 70093195; 4 each CAPSCREW 70203188, LOCKWASHER 70904206, WASHER 70911115; 20 each WASHER 70064810 and LOCKWASHER 70904209)
	70093231	-	1	GUARD ASSEMBLY, radiator (Includes items 2 thru 5)
2	70084413	1	1	PLATE, top closure
3	70070590	4	4	CAPSCREW, 5/8"NF x 1-1/8"
	70904209	4	4	LOCKWASHER, 5/8"
4	70085365	2	2	CAP, guard pivot
5	70038203	4	4	CAPSCREW, 1"NF x 4-1/2"
	70910916	4	4	LOCKWASHER, 1"
6	70084739	1	-	PLATE, front closure, lower (9-bolt type) (Used prior to tractor #972)
	70088905	1	-	PLATE, front closure, lower (10-bolt type) (Effective with tractor #972)
	70093178	-	1	PLATE, front closure, lower
7	70036707	-	10	CAPSCREW, 5/8"NC x 1-3/4" (Effective with tractor #3044)
	70023465	10	10	CAPSCREW, 5/8"NF x 1-3/4" (Used prior to tractor #3044)
	70904209	10	10	LOCKWASHER, 5/8"
8	70064810	10	10	WASHER, plain
9	70093183	-	1	PLATE, front closure, upper
10	70023465	-	10	CAPSCREW, 5/8"NF x 1-3/4" (Used prior to tractor #3044)
	70036707	-	10	CAPSCREW, 5/8"NC x 1-3/4" (Effective with tractor #3044)
	70904209	-	10	LOCKWASHER, 5/8"
11	70064810	-	10	WASHER, plain
12	70084989	1	-	BAFFLE, air, upper
	70093224	-	1	BAFFLE, air upper
13	70012992	5	5	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	5	5	LOCKWASHER, 3/8"
14	70044973	5	5	WASHER, plain

1 less used prior to tractor #972

(Continued)

RADIATOR GUARD (Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
15	70084655	2	2	BAFFLE, air, side (attached to radiator)
16	70043646	8	8	CAPSCREW, 5/16"NF x 1-1/4" (Used prior to tractor #4001)
	70911168	-	8	CAPSCREW, 5/16"NF x 7/8" (Effective with tractor #4001)
	70904205	8	8	LOCKWASHER, 5/16"
17	70092665	8	8	WASHER, plain
18	70084988	1	-	BAFFLE, air, lower (Used prior to tractor #972)
	70088044	1	1	BAFFLE, air, lower (Effective with tractor #972)
19	70012992	5	5	CAPSCREW, 3/8"NF x 1-1/4"
20	70044973	5	5	WASHER, plain
	70904206	5	5	LOCKWASHER, 3/8"
	70911041	5	5	NUT, 3/8"NF
21	70098097	1	1	PLATE, bottom closure, left front
	70098098	1	1	PLATE, bottom closure, right front
22	70035229	4	4	CAPSCREW, 5/8"NF x 2"
	70904209	4	4	LOCKWASHER, 5/8"
23	70064810	4	4	WASHER, plain
24	70084979	2	2	PLATE, bottom closure, rear
25	70035229	6	6	CAPSCREW, 5/8"NF x 2"
	70904209	6	6	LOCKWASHER, 5/8"
26	70064810	6	6	WASHER, plain
27	70088819	1	-	PLATE, guard, left headlight (Effective with tractor #1628)
28	70012992	2	-	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	2	-	LOCKWASHER, 3/8"
	70911115	2	-	WASHER, plain, SAE std., 3/8"
29	70088820	1	-	PLATE, guard, right headlight (Effective with tractor #1628)
30	70012992	2	-	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	2	-	LOCKWASHER, 3/8"
	70911115	2	-	WASHER, plain, SAE std., 3/8"
31	70623525	1	1	MONOGRAM, "A-C", front
	70918370	4	4	RIVET, drive, 3/16" x 9/32" (Not original equipment)
32	70623524	2	2	MONOGRAM, "A-C", side
	70918370	8	8	RIVET, drive, 3/16" x 9/32" (Not original equipment)
33	70623502	2	2	MONOGRAM, "HD16"
	70918730	8	8	RIVET, drive, 3/16" x 9/32" (Not original equipment)



RADIATOR GUARD (Model HD16GC)

RADIATOR GUARD

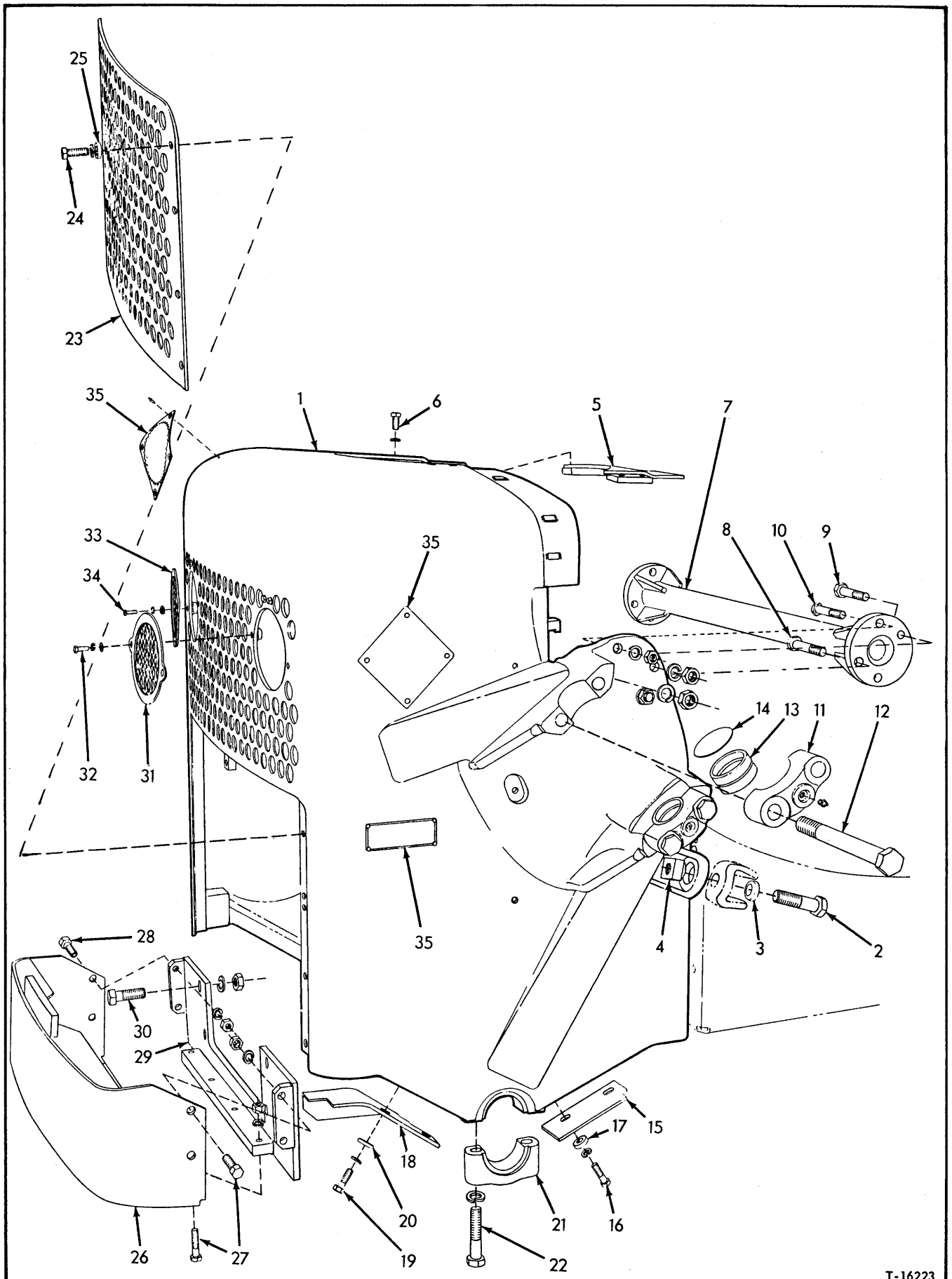
USAGE: Model HD16GC

* Used prior to tractor serial No. 4001
** Effective with tractor serial No. 4001

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	------	1	-	GUARD ASSY., radiator (Order 1 each GUARD ASSY. 70093398, PLATE 70093373, CABLE 70093190, CABLE 70093196, CABLE 70093176, CONNECTOR 70048142; 2 each BRACKET 70093195, CLIP 70235794; 4 each CAPSCREW 70203188, WASHER 70044973, LOCKWASHER 70904206; 10 each WASHER 70064531 and LOCKWASHER 70904208)
	70093398	-	1	GUARD ASSEMBLY, radiator (Includes items 10, 13 and 33)
2	70072595	8	8	CAPSCREW, 3/4"NF x 1-3/4"
	70904369	8	8	LOCKWASHER, 3/4"
3	70089481	1	1	SEAL, radiator neck
4	70089482	1	1	PLATE, seal retaining
	70905657	3	3	CAPSCREW, 1/4" x 1"
	70904204	3	3	LOCKWASHER, 1/4"
	70911024	3	3	NUT, 1/4"NC
5	70088819	1	-	PLATE, guard, left headlight
6	70012992	2	-	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	2	-	LOCKWASHER, 3/8"
	70911115	2	-	WASHER, plain, SAE std., 3/8"
7	70088820	1	-	PLATE, guard, right headlight
8	70012992	2	-	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	2	-	LOCKWASHER, 3/8"
	70911115	2	-	WASHER, plain, SAE std., 3/8"
9	70093373	-	1	PLATE, front closure, upper
10	70035733	-	10	CAPSCREW, 1/2"NC x 1-3/8"
	70904208	-	10	LOCKWASHER, 1/2"
11	70064531	-	10	WASHER, plain
12	70086436	1	-	PLATE, front closure, lower
	70093319	-	1	PLATE, front closure, lower
13	70614478	5	-	CAPSCREW, 1/2"NF x 1-3/8"
	70035733	-	5	CAPSCREW, 1/2"NC x 1-3/8"
	70904208	5	5	LOCKWASHER, 1/2"
14	70064531	5	5	WASHER, plain
15	70087105	1	1	BRACKET ASSEMBLY, guard pivot, left (Includes items 17 thru 19)
	70087106	1	1	BRACKET ASSEMBLY, guard pivot, right (Includes items 17 thru 19)
16	70035420	4	4	CAPSCREW, 1"NF x 3-1/4"
	70910916	4	4	LOCKWASHER, 1"
	70911047	4	4	NUT, 1"NF
17	------	2	2	CAP, pivot bracket (Not serviced separately)
18	70023618	4	4	CAPSCREW, 5/8"NF x 2-1/2"
	70904209	4	4	LOCKWASHER, 5/8"

(Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
19	70087104	12	12	SHIM, pivot bracket cap (Use as req'd)
20	70087761	2	2	BRACKET, guard mounting
21	70070285	8	8	CAPSCREW, 3/4"NF x 3"
	70904369	8	8	LOCKWASHER, 3/4"
	70911045	8	8	NUT, 3/4"NF
22	70090498	2	2	BAFFLE, air, side (attached to radiator) (Effective with tractor #1495)
	70911168	8	8	CAPSCREW, 5/16"NF x 7/8"
	70904205	8	8	LOCKWASHER, 5/16"
23	70092665	8	8	WASHER, plain
24	70090867	1	1	BAFFLE, air, top
25	70057927	5	5	CAPSCREW, 5/16"NF x 3/4"
	70904205	5	5	LOCKWASHER, 5/16"
26	70092665	5	5	WASHER, plain
27	70087089	1	1	PLATE, hood strap, left
28	70036032	2	2	CAPSCREW, 3/8"NF x 3/4"
	70904206	2	2	LOCKWASHER, 3/8"
29	70087090	1	1	PLATE, hood strap, right
30	70036032	2	2	CAPSCREW, 3/8"NF x 3/4"
	70904206	2	2	LOCKWASHER, 3/8"
31	70623525	1	1	MONOGRAM, "A-C", front
	70918370	4	4	RIVET, drive, 3/16" x 9/32" (Not original equipment)
32	70623524	2	2	MONOGRAM, "A-C", side
	70918370	8	8	RIVET, drive, 3/16" x 9/32" (Not original equipment)
33	70623505	2	2	MONOGRAM, "HD16G"
	70918370	8	8	RIVET, drive, 3/16" x 9/32" (Not original equipment)



RADIATOR GUARD (First Type Hydraulic)

RADIATOR GUARD

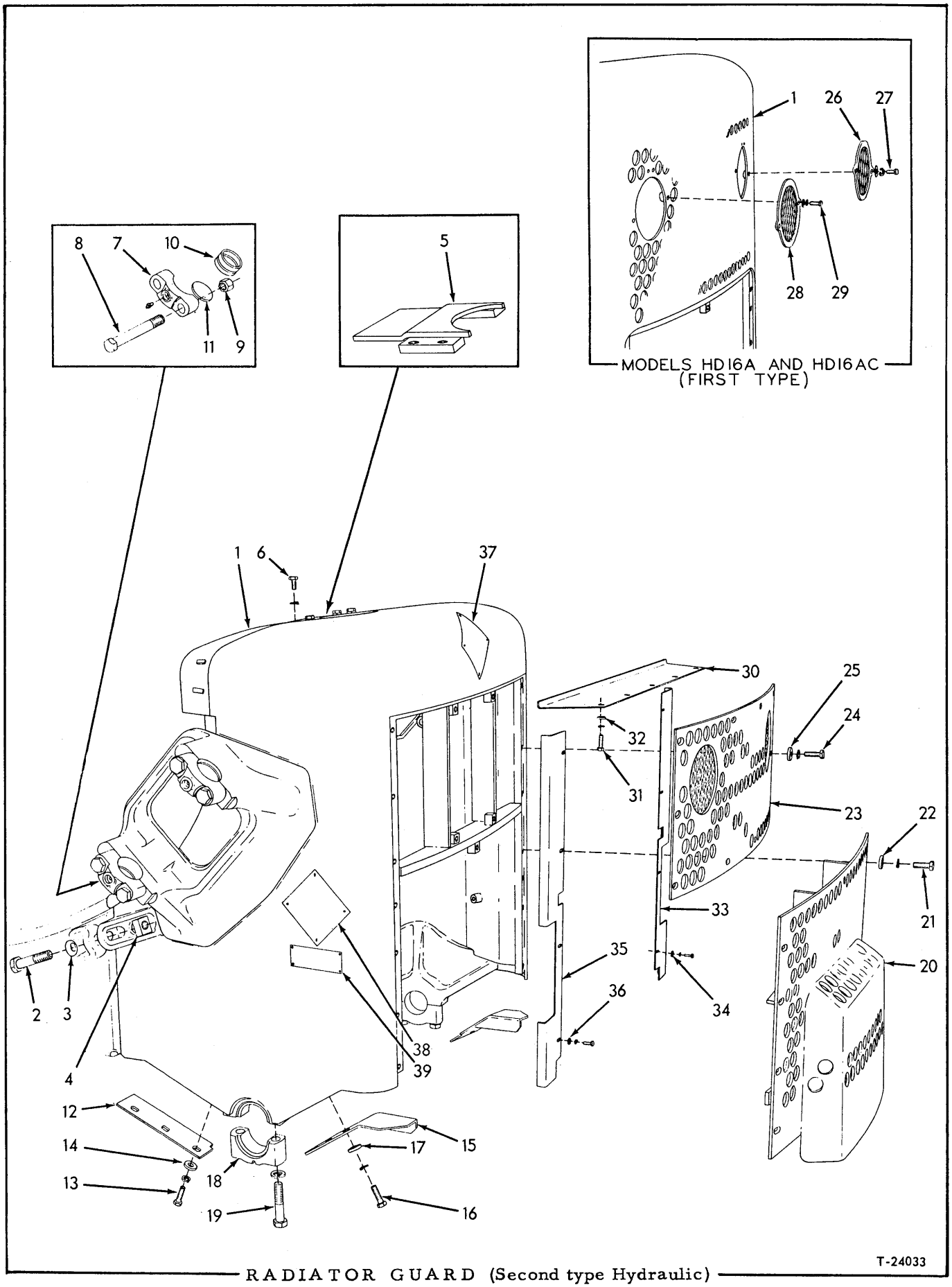
USAGE: Models HD16A, AC equipped with hydraulic dozer used prior to tractor serial No. 2302, including No. 2388

ITEM	PART NO.	QTY.	DESCRIPTION
1	70090227	1	GUARD ASSEMBLY, radiator (Includes items 5, 6, 11, 12, 21, 22, 31 thru 35 and set of swing-out head light brackets)
2	70089231	2	CAPSCREW, guard supporting (Effective with tractor #1510)
3	70089229	2	WASHER, spherical
4	70089230	2	NUT, spherical
5	70084413	1	PLATE, top closure
6	70070590	4	CAPSCREW, 5/8"NF x 1-1/8"
	70904209	4	LOCKWASHER, 5/8"
7	70085573	1	TUBE, bracing
8	70085569	2	CAPSCREW, 7/8"NF x 4-3/4"
9	70085568	2	CAPSCREW, 7/8"NF x 4"
	70905347	4	LOCKWASHER, 7/8"
	70911046	4	NUT, 7/8"NF
10	70035422	4	CAPSCREW, 3/4"NF x 4"
	70904369	4	LOCKWASHER, 3/4"
	70911045	4	NUT, 3/4"NF
11	70085140	4	CAP, trunnion
	70914465	4	FITTING, lubricating, straight, 1/8"NPT
12	70070861	8	CAPSCREW, 1"NF x 10-1/2"
	70600236	8	NUT, high, 1"NF
13	70084581	4	BUSHING, trunnion
14	70084612	4	PLATE, retaining, trunnion bushing
15	70084979	2	PLATE, bottom closure, rear
16	70035229	6	CAPSCREW, 5/8"NF x 2"
	70904209	6	LOCKWASHER, 5/8"
17	70064810	6	WASHER, plain
18	70098095	1	PLATE, bottom closure, left front
	70098096	1	PLATE, bottom closure, right front
19	70035229	4	CAPSCREW, 5/8"NF x 2"
	70904209	4	LOCKWASHER, 5/8"
20	70064810	4	WASHER, plain
21	70085365	2	CAP, guard pivot
22	70038203	4	CAPSCREW, 1"NF x 4-1/2"
	70910916	4	LOCKWASHER, 1"
23	70609479	1	PLATE, front closure, lower
24	70023465	9	CAPSCREW, 5/8"NF x 1-3/4"
	70904209	9	LOCKWASHER, 5/8"
25	70064810	9	WASHER, plain

(Continued)

RADIATOR GUARD (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
26	70609474	1	GUARD, pump protecting
27	70023755	6	CAPSCREW, 5/8"NC x 2-1/4"
28	70037573	2	CAPSCREW, 5/8"NC x 2-3/4"
	70904209	8	LOCKWASHER, 5/8"
	70911029	8	NUT, 5/8"NC
29	70609470	1	BRACKET, pump guard mounting
30	70070272	4	CAPSCREW, 1"NF x 3"
	70910916	4	LOCKWASHER, 1"
	70911047	4	NUT, 1"NF
31	70088819	1	PLATE, guard, left headlight (Effective with tractor #1628)
32	70012992	2	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	2	LOCKWASHER, 3/8"
	70911115	2	WASHER, plain,SAE std., 3/8"
33	70088820	1	PLATE, guard, right headlight (Effective with tractor #1628)
34	70012992	2	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	2	LOCKWASHER, 3/8"
	70911115	2	WASHER, plain, SAE std., 3/8"
35	70623525	1	MONOGRAM, "A-C", front
	70623524	2	MONOGRAM, "A-C", side
	70623502	2	MONOGRAM, "HD16"
	70918370	20	RIVET, drive, 3/16" x 9/32" (Not original equipment)



RADIATOR GUARD (Second type Hydraulic)

RADIATOR GUARD

USAGE: Tractors equipped with hydraulic dozer

* Model HD16A, AC tractors serial #2302 thru #4137, excluding #2388
** All Models HD16D, DC; also Models HD16A, AC, effective with tractor serial #4138

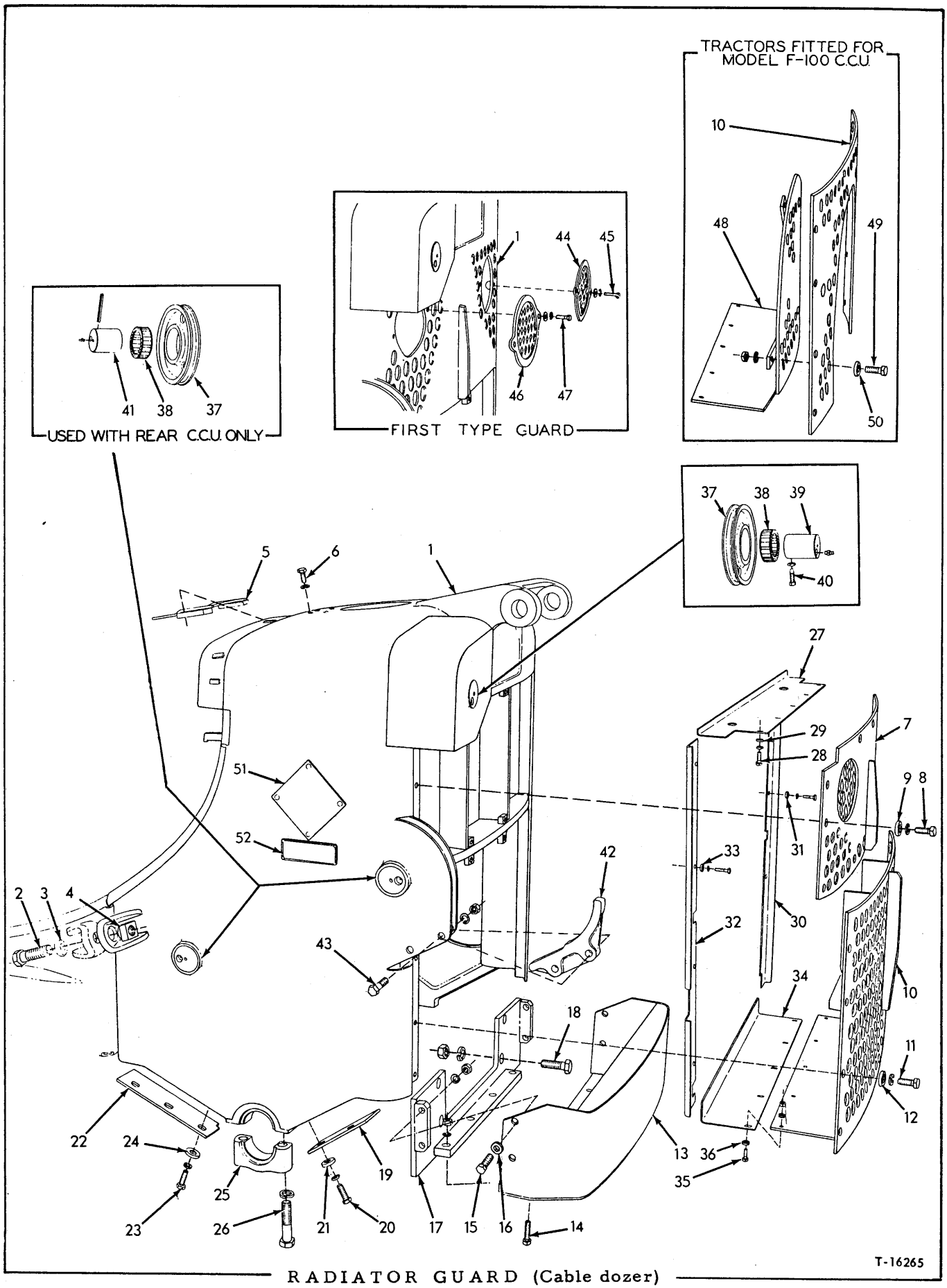
ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	------	1	-	GUARD ASSY., radiator (Order 1 each GUARD ASSY. 70092908, BAFFLE 70093225, PLATE 70093183, CABLE 70093190, CABLE 70093196, CONNECTOR 70048142, TUBE 70617285, TUBE 70617286, TUBE 70617295, TUBE 70617296; 2 each CABLE 70093176, GROMMET 70044810, GROMMET 70083683, CLIP 70235794, BRACKET 70093195, TRUNNION ASSY. 70617224, TUBE 70617866, FITTING 70617864, HOSE 70614528, HOSE 70612975; 4 each CAPSCREW 70035336, WASHER 70911115 LOCKWASHER 70904206; 19 each WASHER 70064810 and LOCKWASHER 70904209)
	70092908	-	1	GUARD ASSEMBLY, radiator (Includes items 5 thru 9, 18, 19, 21, 24 and 39)
2	70089231	2	2	CAPSCREW, guard supporting
3	70089229	2	2	WASHER, spherical
4	70089230	2	2	NUT, spherical
5	70084413	1	1	PLATE, top closure
6	70070590	4	4	CAPSCREW, 5/8"NF x 1-1/8"
	70904209	4	4	LOCKWASHER, 5/8"
7	70085140	4	4	CAP, trunnion
	70914465	4	4	FITTING, lubricating, straight, 1/8"NPT
8	70070861	8	8	CAPSCREW, 1"NF x 10-1/2"
9	70600236	8	8	NUT, high, 1"NF
10	70084581	4	4	BUSHING, trunnion
11	70084612	4	4	PLATE, retaining, trunnion bushing
12	70084979	2	2	PLATE, bottom closure, rear
13	70035229	6	6	CAPSCREW, 5/8"NF x 2"
	70904209	6	6	LOCKWASHER, 5/8"
14	70064810	6	6	WASHER, plain
15	70098095	1	1	PLATE, bottom closure, left front
	70098096	1	1	PLATE, bottom closure, right front
16	70035229	4	4	CAPSCREW, 5/8"NF x 2"
	70904209	4	4	LOCKWASHER, 5/8"
17	70064810	4	4	WASHER, plain
18	70085365	2	2	CAP, guard pivot
19	70038203	4	4	CAPSCREW, 1"NF x 4-1/2"
	70910916	4	4	LOCKWASHER, 1"

(Continued)

RADIATOR GUARD (Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
20	70614193	1	-	PLATE, front closure, lower
	70631664	-	1	PLATE, front closure, lower
	70093178	-	1	PLATE, front closure, lower (Permits use of front bumper when hydraulic pump is not installed)
21	70023465	9	9	CAPSCREW, 5/8"NF x 1-3/4" (Early units)
	70036707	9	9	CAPSCREW, 5/8"NC x 1-3/4" (Late units)
	70904209	9	9	LOCKWASHER, 5/8"
22	70064810	9	9	WASHER, plain
23	70093183	-	1	PLATE, front closure, upper
24	70023465	-	10	CAPSCREW, 5/8"NF x 1-3/4" (Early units on HD16D, DC)
	70036707	-	10	CAPSCREW, 5/8"NC x 1-3/4"
	70904209	-	10	LOCKWASHER, 5/8"
25	70064810	-	10	WASHER, plain
26	70088819	1	-	PLATE, guard, left headlight
27	70012992	2	-	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	2	-	LOCKWASHER, 3/8"
	70911115	2	-	WASHER, plain, SAE std., 3/8"
28	70088820	1	-	PLATE, guard, right headlight
29	70012992	2	-	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	2	-	LOCKWASHER, 3/8"
	70911115	2	-	WASHER, plain, SAE std., 3/8"
30	70092868	1	-	BAFFLE, air, upper
	70093225	-	1	BAFFLE, air, upper
31	70012992	5	5	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	5	5	LOCKWASHER, 3/8"
32	70044973	5	5	WASHER, plain
33	70093191	1	1	BAFFLE, air, left side
	70911168	4	4	CAPSCREW, 5/16"NF x 7/8"
	70904205	4	4	LOCKWASHER, 5/16"
34	70092665	4	4	WASHER, plain
35	70093192	1	1	BAFFLE, air, right side
	70626497	-	1	BAFFLE, air, right side (For tractors with Ripper and Triple Control Valve)
	70911168	4	4	CAPSCREW, 5/16"NF x 7/8"
	70904205	4	4	LOCKWASHER, 5/16"
36	70092665	4	4	WASHER, plain
37	70623525	1	1	MONOGRAM, "A-C", front
	70918370	4	4	RIVET, drive, 3/16" x 9/32" (Not original equipment)
38	70623524	2	2	MONOGRAM, "A-C", side
	70918370	8	8	RIVET, drive, 3/16" x 9/32" (Not original equipment)
39	70623502	2	2	MONOGRAM, "HD16"
	70918370	8	8	RIVET, drive, 3/16" x 9/32" (Not original equipment)

MEMO



RADIATOR GUARD (Cable dozer)

RADIATOR GUARD

USAGE: Tractors equipped with cable dozer

* Used with rear-mounted cable control unit
** Used with front-mounted cable control unit

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	------	1	1	GUARD ASSY., radiator (Used prior to tractor #2945)(Order 1 each GUARD ASSY. 70093291, PLATE 70093260, BAFFLE 70093241, CABLE 70093190, CABLE 70093196, CONNECTOR 70048142; 2 each BRACKET 70093195, CLIP 70235794, GROMMET 70044810, GROMMET 70083683, CABLE 70093176; 4 each CAPSCREW 70035336, WASHER 70044973, LOCKWASHER 70904206; 20 each WASHER 70064810 and LOCKWASHER 70904209)
	70093291	1	1	GUARD ASSEMBLY, radiator (Includes items 5, 6, 8, 11, 25, 26 and 52)(Effective with tractor #2945)
2	70089231	2	2	CAPSCREW, guard supporting (Effective with tractor #1510)
3	70089229	2	2	WASHER, spherical
4	70089230	2	2	NUT, spherical
5	70084413	1	1	PLATE, top closure
6	70070590	4	4	CAPSCREW, 5/8"NF x 1-1/8"
	70904209	4	4	LOCKWASHER, 5/8"
7	70093260	1	1	PLATE, front closure, upper (Effective with tractor #2945)
8	70023465	10	10	CAPSCREW, 5/8"NF x 1-3/4" (Used prior to tractor #3038)
	70036707	10	10	CAPSCREW, 5/8"NC x 1-3/4" (Effective with tractor #3038)
	70904209	10	10	LOCKWASHER, 5/8"
9	70064810	10	10	WASHER, plain
10	70090511	1	-	PLATE, front closure, lower (Used prior to tractor #2945. When required for tractors prior to #972 also order 1 BAFFLE 70088044)
	70093098	1	-	PLATE, front closure, lower (Effective with tractor #2945)
	70091952	-	1	PLATE, front closure, lower (Used prior to tractor #2945) — For use with Gar-Wood Cable Control unit
	70093238	-	1	PLATE, front closure, lower (Effective with tractor #2945) — For use with Gar-Wood Cable Control unit
	70099803	-	1	PLATE, front closure, lower (For use with Allis-Chalmers F-100 Cable Control Unit)
11	70023465	10	6	CAPSCREW, 5/8"NF x 1-3/4" (Used prior to tractor #3038)
	70036707	10	6	CAPSCREW, 5/8"NC x 1-3/4" (Effective with tractor #3038)
	70904209	10	6	LOCKWASHER, 5/8"
12	70064810	10	6	WASHER, plain
13	70609674	1	-	GUARD, lower section
14	70023755	4	-	CAPSCREW, 5/8"NC x 2-1/4"
15	70037573	4	-	CAPSCREW, 5/8"NC x 2-3/4"
16	70064810	4	-	WASHER, plain
	70904209	8	-	LOCKWASHER, 5/8"
	70911029	8	-	NUT, 5/8"NC
17	70609470	1	-	BRACKET, lower section guard
18	70070272	4	-	CAPSCREW, 1"NF x 3"
	70910916	4	-	LOCKWASHER, 1"
	70911047	4	-	NUT, 1"NF

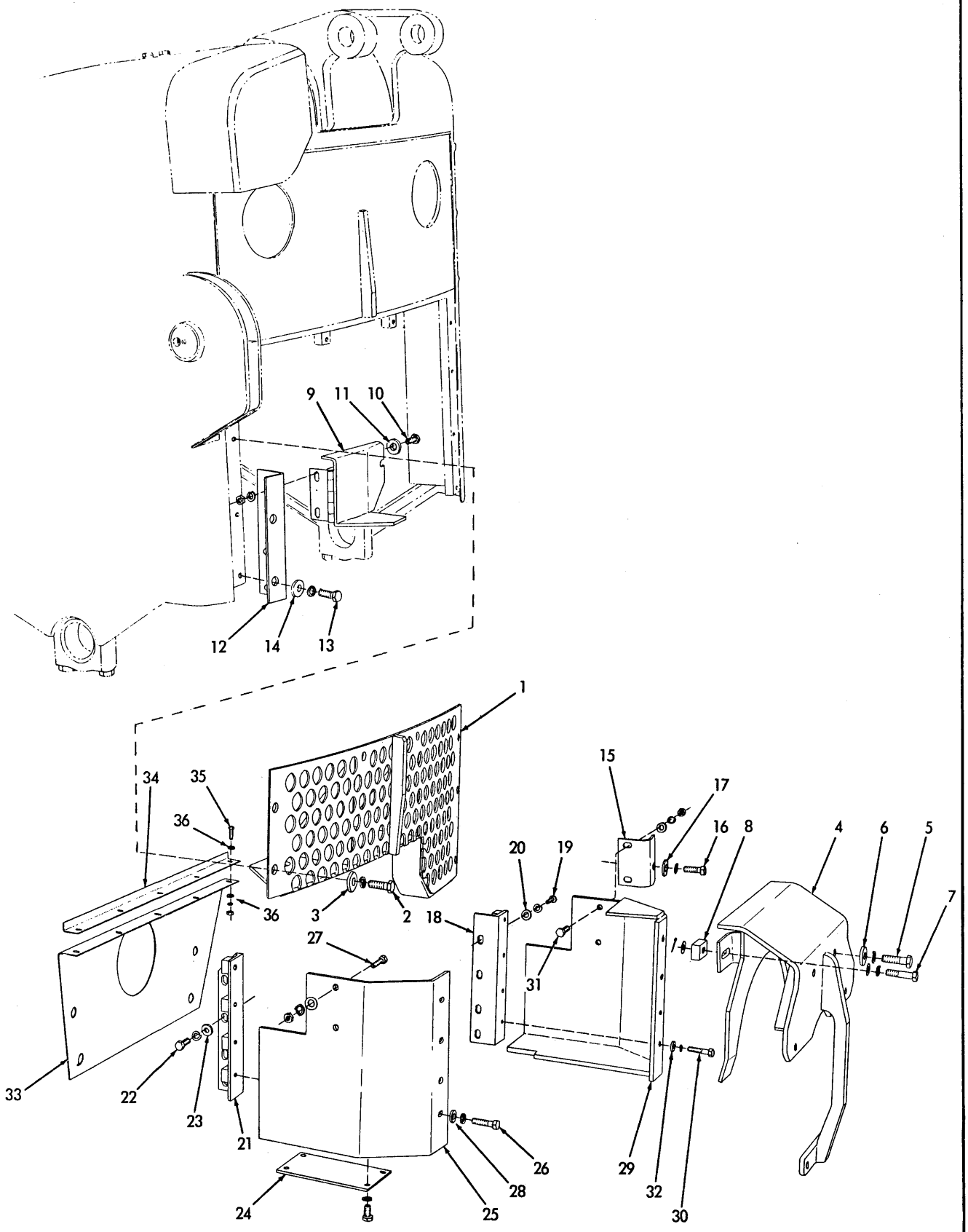
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RADIATOR GUARD (Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
19	70098097	1	-	PLATE, bottom closure, left front
	70098098	1	-	PLATE, bottom closure, right front
	70084978	-	2	PLATE, bottom closure, front (For use with Gar Wood Cable Control Unit)
	70098095	-	1	PLATE, bottom closure, left front — For use with Allis-Chalmers F-100 Cable Control Unit
	70098096	-	1	PLATE, bottom closure, right front — For use with Allis-Chalmers F-100 Cable Control Unit
20	70035229	4	4	CAPSCREW, 5/8"NF x 2"
	70904209	4	4	LOCKWASHER, 5/8"
21	70064810	4	4	WASHER, plain
22	70084979	2	2	PLATE, bottom closure, rear
23	70035229	6	6	CAPSCREW, 5/8"NF x 2"
	70904209	6	6	LOCKWASHER, 5/8"
24	70064810	6	6	WASHER, plain
25	70085365	2	2	CAP, guard pivot
26	70038203	4	4	CAPSCREW, 1"NF x 4-1/2"
	70910916	4	4	LOCKWASHER, 1"
27	70093241	1	1	BAFFLE, air, upper
28	70012992	5	5	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	5	5	LOCKWASHER, 3/8"
29	70044973	5	5	WASHER, plain
30	70084655	1	1	BAFFLE, air, left side
	70911168	4	4	CAPSCREW, 5/16"NF x 7/8"
	70904205	4	4	LOCKWASHER, 5/16"
31	70092665	4	4	WASHER, plain
32	70085087	1	1	BAFFLE, air, right side
	70911168	4	4	CAPSCREW, 5/16"NF x 7/8"
	70904205	4	4	LOCKWASHER, 5/16"
33	70092665	4	4	WASHER, plain
34	70084988	1	-	BAFFLE, air, lower (Used prior to tractor #972)
	70088044	1	-	BAFFLE, air, lower (Effective with tractor #972)
35	70012992	5	-	CAPSCREW, 3/8"NF x 1-1/4"
36	70044973	5	-	WASHER, plain
	70904206	5	-	LOCKWASHER, 3/8"
	70911041	5	-	NUT, 3/8"NF
37	70084758	3	1	SHEAVE, control cable
38	70044875	3	1	BEARING, roller, cable sheave
39	70084757	1	1	SHAFT, front sheave
	70914465	1	1	FITTING, lubricating, straight, 1/8"NPT
40	70035188	1	1	SETSCREW, shaft retaining
	70911035	1	1	NUT, jam, 1/2"NC

(Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
41	70084384	2	-	SHAFT, side sheaves
	70914465	2	-	FITTING, lubricating, straight, 1/8"NPT
	70917936	2	-	PIN, roll, 3/8" x 3-1/2"
	70093043	-	2	CUP, hole closure
	70917936	-	2	PIN, roll, 3/8" x 3-1/2"
42	70084694	1	-	GUIDE, cable
	70085058	-	1	GUIDE, false (Serves as sheave compartment dirt closure)
43	70035306	2	2	CAPSCREW, 5/8"NF x 3-1/4"
	70904209	2	2	LOCKWASHER, 5/8"
	70911044	2	-	NUT, 5/8"NF
	70094455	-	1	BLOCK, tapped
44	70088819	1	1	PLATE, guard, left headlight (Used on tractors #1628 thru #2944)
45	70012992	2	2	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	2	2	LOCKWASHER, 3/8"
	70911115	2	2	WASHER, plain, SAE std., 3/8"
46	70088820	1	1	PLATE, guard, right headlight (Used on tractors #1628 thru #2944)
47	70012992	2	2	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	2	2	LOCKWASHER, 3/8"
	70911115	2	2	WASHER, plain, SAE std., 3/8"
48	70620859	-	1	PLATE, closure (For use only when F-100 Cable Control Unit is removed)
49	70036707	-	4	CAPSCREW, 5/8"NC x 1-3/4"
50	70086961	-	4	WASHER, plain
	70904209	-	4	LOCKWASHER, 5/8"
	70911029	-	4	NUT, 5/8"NC
51	70623524	2	2	MONOGRAM, "A-C", side
	70918370	8	8	RIVET, drive, 3/16" x 9/32" (Not original equipment)
52	70623502	2	2	MONOGRAM, "HD16"
	70918370	8	8	RIVET, drive, 3/16" x 9/32" (Not original equipment)



CLOSURE PARTS FOR GAR WOOD FRONT-MOUNTED C. C. U.

CLOSURE PARTS FOR GAR WOOD FRONT-MOUNTED C. C. U.

USAGE: For Gar Wood Model 151 Cable Control Unit when using Allis-Chalmers Controls

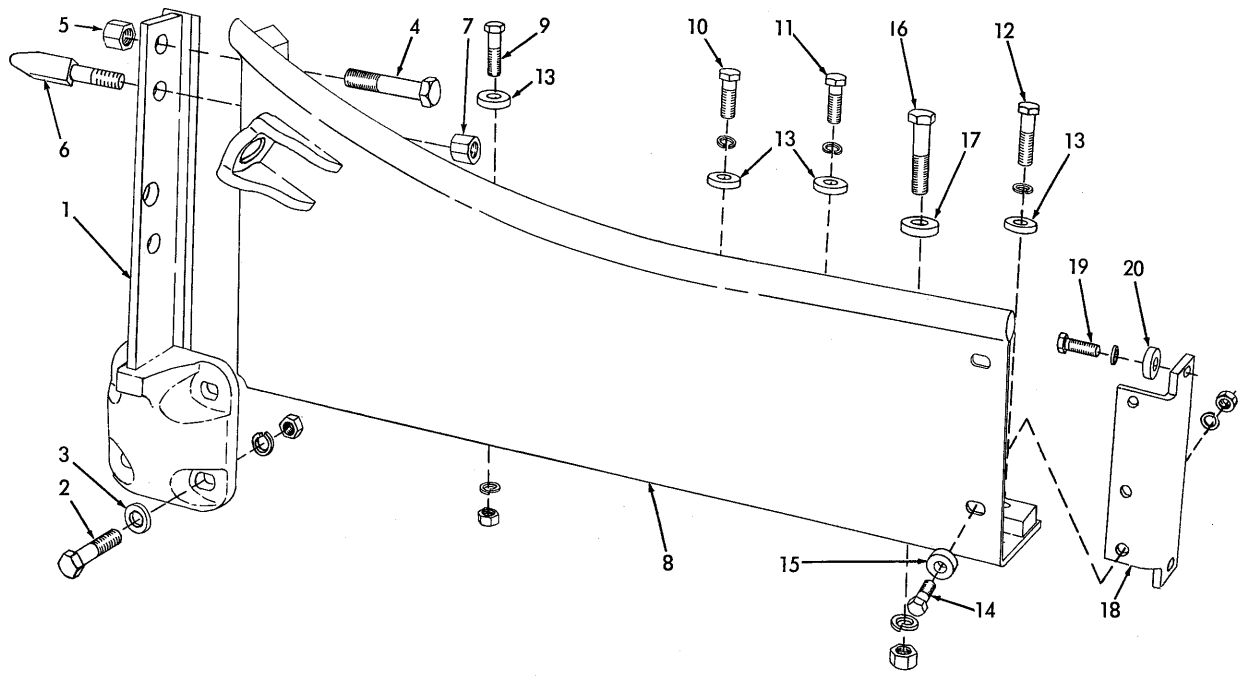
ITEM	PART NO.	QTY.	DESCRIPTION
1	70619072	1	PLATE, front closure, lower
2	70036707	7	CAPSCREW, 5/8"NC x 1-3/4"
	70904209	7	LOCKWASHER, 5/8"
3	70064810	7	WASHER, plain
4	70619026	1	GUARD, center
5	70071113	6	CAPSCREW, 5/8"NC x 2"
	70904209	6	LOCKWASHER, 5/8"
6	70064810	6	WASHER, plain
7	70093061	1	CAPSCREW, latching, hinged cover
	70900806	1	PIN, cotter, 1/8" x 1"
	70910244	2	WASHER, plain, SAE std., 1/2"
	70904208	1	LOCKWASHER, 1/2"
8	70619082	1	BLOCK, tapped, cover latching capscrew
9	70619074	1	COVER, hinged
10	70035018	2	CAPSCREW, 1/2"NF x 1-1/2"
11	70064531	2	WASHER, plain
	70904208	2	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF
12	70619084	1	ANGLE, supporting, right guard (rear)
13	70036707	2	CAPSCREW, 5/8"NC x 1-3/4"
	70904209	2	LOCKWASHER, 5/8"
14	70064810	2	WASHER, plain
15	70619081	1	ANGLE, supporting, left guard (rear)
16	70036707	1	CAPSCREW, 5/8"NC x 1-3/4"
	70904209	1	LOCKWASHER, 5/8"
17	70064810	1	WASHER, plain
18	70619066	1	ANGLE, supporting, left guard (front)
19	70035733	4	CAPSCREW, 1/2"NC x 1-3/8"
	70904208	4	LOCKWASHER, 1/2"
20	70064531	4	WASHER, plain
21	70619064	1	ANGLE, supporting, right guard (front)
22	70035733	4	CAPSCREW, 1/2"NC x 1-3/8"
	70904208	4	LOCKWASHER, 1/2"
23	70064531	4	WASHER, plain
24	70619105	1	PLATE, access, control unit adjustment
	70911980	4	CAPSCREW, 1/2"NC x 7/8"
	70904208	4	LOCKWASHER, 1/2"
25	70619040	1	GUARD, right side
26	70035067	4	CAPSCREW, 1/2"NF x 2"
27	70035073	2	CAPSCREW, 1/2"NF x 1-3/4"
28	70064531	6	WASHER, plain
	70904208	6	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF

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CLOSURE PARTS FOR GAR WOOD FRONT-MOUNTED C.C.U. (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
29	70619069	1	GUARD, left side
30	70035067	4	CAPSCREW, 1/2"NF x 2"
31	70035073	2	CAPSCREW, 1/2"NF x 1-3/4"
32	70064531	6	WASHER, plain
	70904208	6	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF
33	70619077	1	BAFFLE, air, lower section
34	70089327	1	BAFFLE, air, upper section
35	70036034	5	CAPSCREW, 3/8"NF x 1"
36	70044973	10	WASHER, plain
	70904206	5	LOCKWASHER, 3/8"
	70911041	5	NUT, 3/8"NF

MEMO



T-15185

FRONT FENDERS

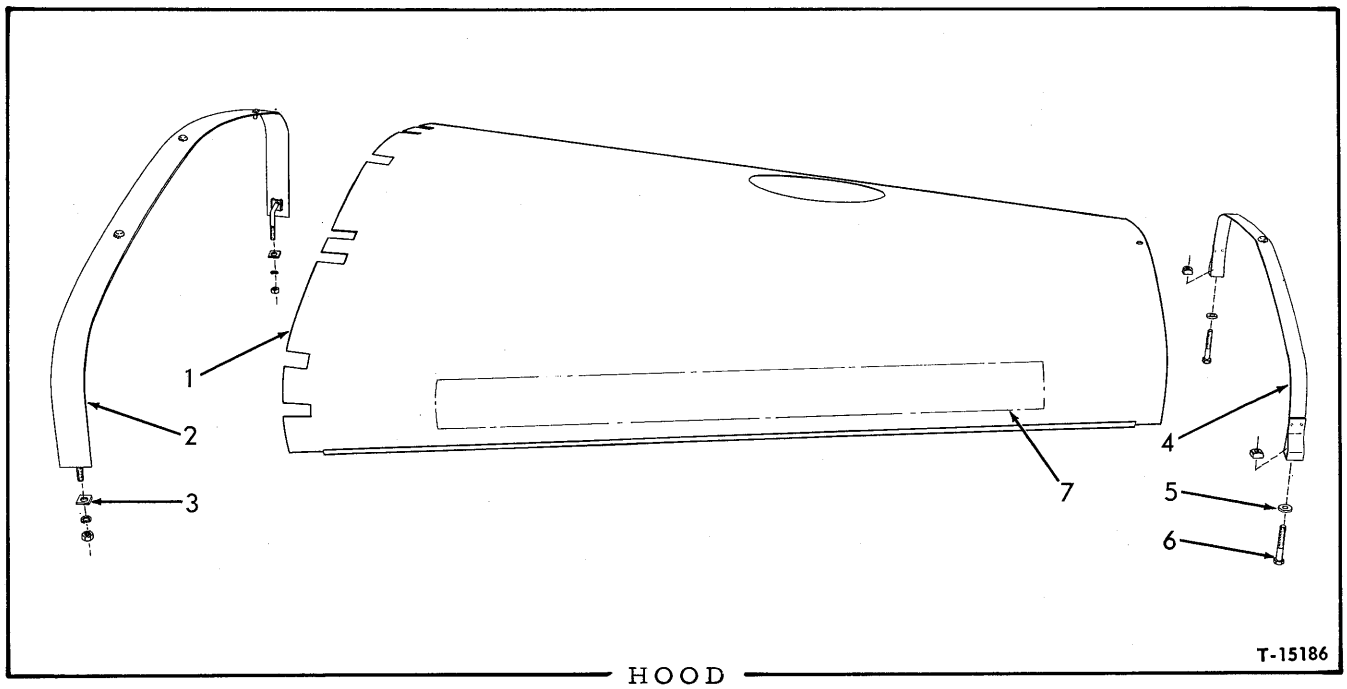
USAGE: All models except HD16GC. See page 227.

ITEM	PART NO.	QTY.	DESCRIPTION	
1	70084773	2	BRACKET, fender attachment	
2	70052527	8	CAPSCREW, 3/4"NF x 3-1/2"	
3	70085957	8	WASHER, plain	
	70904369	8	LOCKWASHER, 3/4"	
	70911045	8	NUT, 3/4"NF	
4	70085026	6	CAPSCREW, fender attachment (7/8"NF x 4-1/2")	2 less used effective with tractor #5474
5	70070400	6	NUT, high, 7/8"NF	
6	70620789	2	PIN, guide, radiator guard	Effective with tractor #5474
7	70012767	2	NUT, high, 3/4"NF	

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FRONT FENDERS (Continued)

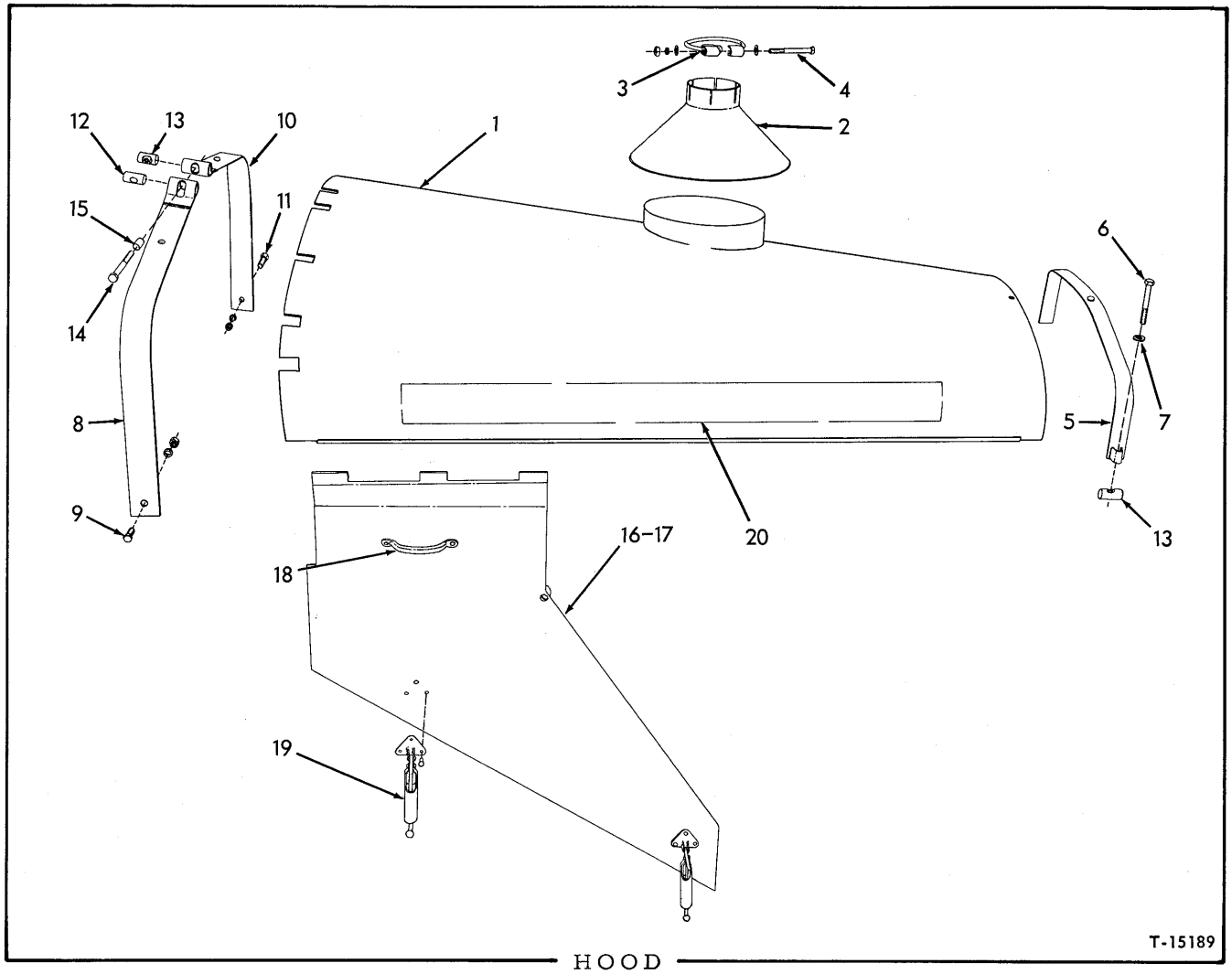
ITEM	PART NO.	QTY.	DESCRIPTION
8	70089263	1	FENDER, front, left side
	70089264	1	FENDER, front, right side (For all tractors except those equipped with cable dozer using rear-mounted cable control unit)
	70089576	1	FENDER, front, right side (For tractors equipped with cable dozer using rear-mounted cable control unit)
9	70023618	4	CAPSCREW, 5/8"NF x 2-1/2"
10	70023618	1	CAPSCREW, 5/8"NF x 2-1/2" (right fender only)
	70023465	1	CAPSCREW, 5/8"NF x 1-3/4" (left fender only)
11	70034440	1	CAPSCREW, 5/8"NF x 3-1/2" (right fender only)
	70023465	1	CAPSCREW, 5/8"NF x 1-3/4" (left fender only)
12	70070282	1	CAPSCREW, 5/8"NF x 4-1/4" (right fender only)
	70023618	1	CAPSCREW, 5/8"NF x 2-1/2" (left fender only)
13	70064810	10	WASHER, plain
	70904209	10	LOCKWASHER, 5/8"
	70911044	7	NUT, 5/8"NF
14	70035073	4	CAPSCREW, 1/2"NF x 1-3/4"
15	70064531	4	WASHER, plain
	70904208	4	LOCKWASHER, 1/2"
	70911043	4	NUT, 1/2"NF
16	70012526	4	CAPSCREW, 3/4"NF x 3-1/4"
17	70061689	4	WASHER, plain
	70904369	4	LOCKWASHER, 3/4"
	70911045	4	NUT, 3/4"NF
18	70084776	2	ANGLE, fender attachment
19	70035073	4	CAPSCREW, 1/2"NF x 1-3/4"
	70904208	4	LOCKWASHER, 1/2"
20	70064531	4	WASHER, plain



HOOD

USAGE: All models except HD16GC

ITEM	PART NO.	QTY.	DESCRIPTION
1	70093140	1	HOOD, engine (Used prior to tractor #4001)
	70097492	1	HOOD, engine (Effective with tractor #4001)
2	70090870	1	STRAP, hold-down, front
	70904206	2	LOCKWASHER, 3/8"
	70911026	2	NUT, 3/8"NC
3	70052505	2	BLOCK, front strap
4	70059532	1	STRAP, hold-down, rear
5	70044973	2	WASHER, rear strap
6	70056721	2	CAPSCREW, rear hold-down strap
	70900405	2	NUT, square, 3/8"NC
7	------	-	TRANSFER (See PAINTING AND MARKING)



HOOD

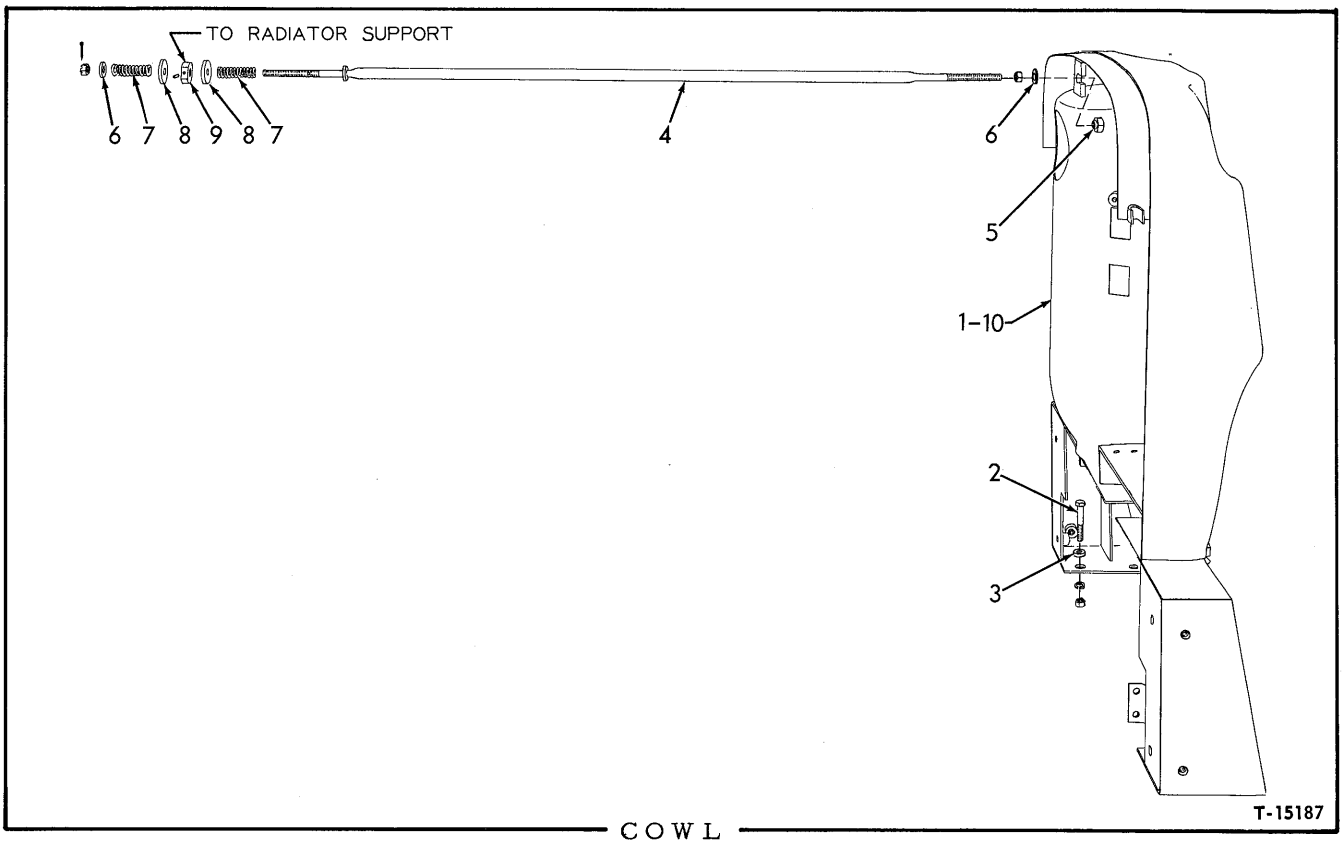
USAGE: Model HD16GC

ITEM	PART NO.	QTY.	DESCRIPTION
1	70088660	1	HOOD, engine (Used prior to tractor #4001)
	70097672	1	HOOD, engine (Effective with tractor #4001)
2	70089308	1	SHIELD, dirt, exhaust pipe
3	70646078	1	CLAMP, exhaust pipe dirt shield
4	70041915	1	CAPSCREW, 3/8"NC x 3-1/2"
	70911115	2	WASHER, plain, SAE std., 3/8"
	70904206	1	LOCKWASHER, 3/8"
	70911026	1	NUT, 3/8"NC
5	70084507	1	STRAP, hold-down, rear
6	70088559	2	CAPSCREW, 3/8"NC x 3"
7	70044973	2	WASHER, plain
8	70089651	1	STRAP, hold-down, left front
9	70012992	1	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	1	LOCKWASHER, 3/8"
	70911041	1	NUT, 3/8"NF

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HOOD (Continued)

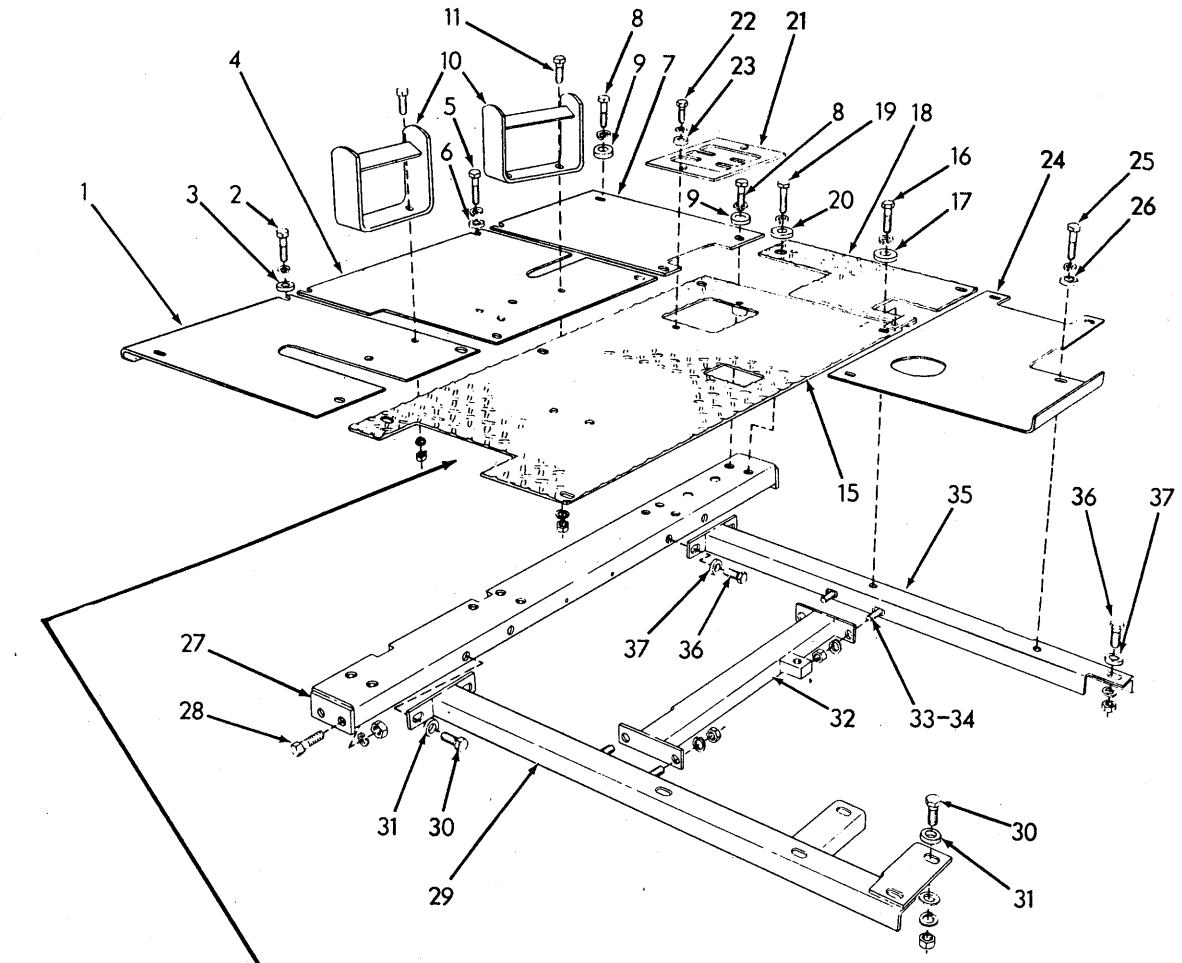
ITEM	PART NO.	QTY.	DESCRIPTION
10	70089652	1	STRAP, hold-down, right front
11	70012992	1	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	1	LOCKWASHER, 3/8"
	70911041	1	NUT, 3/8"NF
12	70050735	1	PIN, front hold-down strap (plain hole)
13	70050734	3	PIN, hold-down straps (threaded hole)
14	70087159	1	CAPSCREW, front strap (3/8"NC x 5-1/2")
15	70053667	1	SPACER, front strap capscrew
16	70089991	1	PLATE ASSY., left (Includes items 18 and 19)
17	70089992	1	PLATE ASSY., right (Includes items 18 and 19)
18	70032834	2	HANDLE, lifting, hood side plate
	70900764	4	RIVET, fl-hd., 3/16" x 1/2"
19	70033060	4	FASTENER, hood side plate
	70900764	12	RIVET, fl-hd., 3/16" x 1/2"
20	--------	--	TRANSFER (See PAINTING AND MARKING)

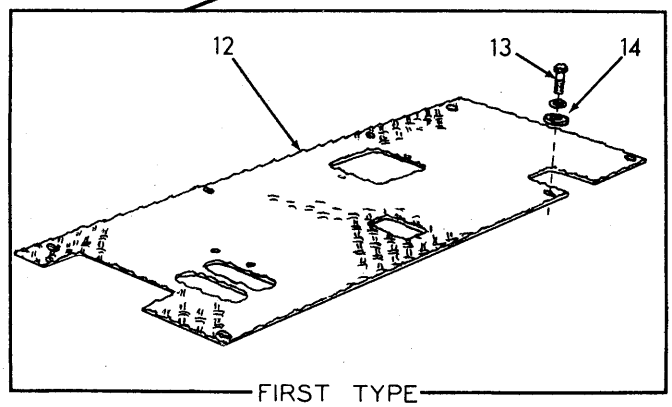


COWL

USAGE: All models except HD16GC. The Cowl is an integral part of the Front Shovel Stabilizer on Model HD16GC

ITEM	PART NO.	QTY.	DESCRIPTION
1	70083314	1	COWL (Model HD16A, AC, D, DC tractors prior to #4001)
	70097482	1	COWL (Model HD16A, AC, D, DC tractors effective with #4001)
	70087618	1	COWL (Model HD16FC tractors prior to #4001)
	70097692	1	COWL (Model HD16FC tractors effective with #4001)
2	70042430	4	CAPSCREW, 1/2"NF x 3-1/4"
3	70064531	4	WASHER, plain
	70904208	4	LOCKWASHER, 1/2"
	70911043	4	NUT, 1/2"NF
4	70083838	1	ROD, cowl bracing
	70911043	1	NUT, regular, 1/2"NF (rear end)
	70910867	1	NUT, slotted, 1/2"NF (front end)
	70900806	1	PIN, cotter, 1/8" x 1"
5	70082884	1	NUT, shoulder, cowl bracing rod
6	70064531	2	WASHER, cowl bracing rod (1-1/8"O. D.)
7	70074960	2	SPRING, cowl bracing rod
8	70092163	2	WASHER, cowl bracing rod (1-3/4"O. D.)
9	70082885	1	NUT, cowl bracing rod
	70915797	1	PIN, roll, 3/16" x 1-1/4"
10	------	-	PLATES AND TRANSFERS (See PAINTING AND MARKING)





FIRST TYPE

FLOOR (Models HD16A, AC, D, DC)

T-5136A

FLOOR

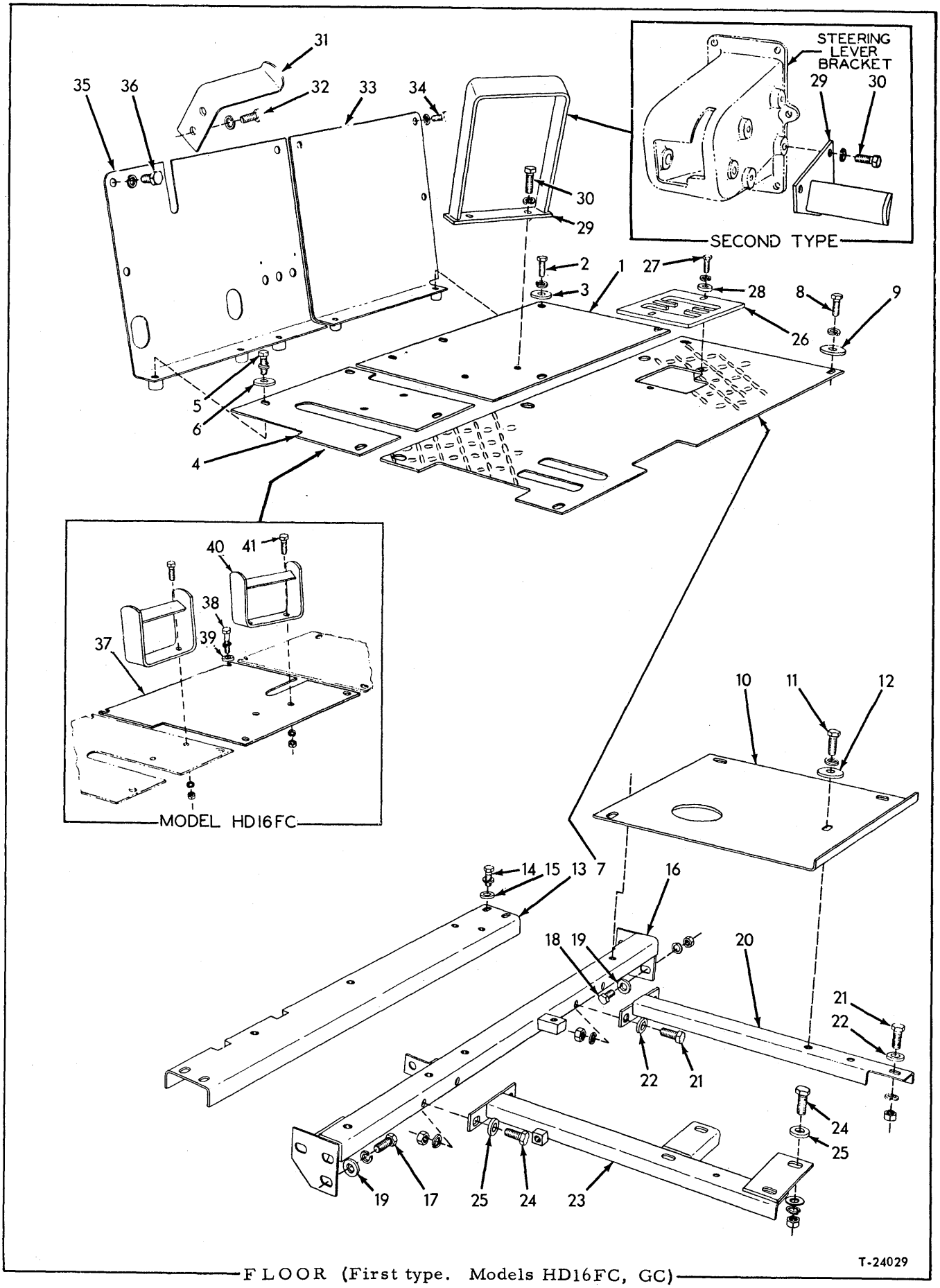
USAGE: Models HD16A, AC, D, DC

* Tractors prior to serial No. 5651
** Tractors serial No. 5651 and up

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70083916	1	1	PLATE, front, left side
2	70035190	4	4	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	4	4	LOCKWASHER, 1/2"
3	70064531	4	4	WASHER, plain
4	70083939	1	-	PLATE, front,center (Used prior to tractor #4001)
	70621260	1	1	PLATE, front,center (Used on tractors #4001 thru #5702 except those equipped with dry-type air cleaner and hydraulic dozer controls)
	70622597	1	1	PLATE, front, center (Effective with tractor #5703; also optional on prior units equipped with dry-type air cleaner and hydraulic dozer controls)
5	70035190	4	4	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	4	4	LOCKWASHER, 1/2"
6	70064531	4	4	WASHER, plain
7	70083868	1	-	PLATE, front, right side
	70632917	-	1	PLATE, front, right side
8	70035190	4	4	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	4	4	LOCKWASHER, 1/2"
9	70064531	4	4	WASHER, plain
10	70054374	1	1	REST, foot (2 used prior to tractor #4777)
11	70070469	2	2	CAPSCREW, 1/2"NF x 1-1/4" } 4 used prior to tractor #4777
	70904208	2	2	LOCKWASHER, 1/2"
	70911043	2	2	NUT, 1/2"NF
12	70082425	1	-	PLATE, center (Model HD16A, D tractors prior to #5154)
	70623856	1	-	PLATE, center (Model HD16A, D tractors #5154 thru #5650)
	70083862	1	-	PLATE, center (Model HD16AC, DC tractors prior to #5154 excluding #5104)
	70623858	1	-	PLATE, center (Model HD16AC, DC tractors #5154 thru #5650 including #5104)
13	70035190	7	-	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	7	-	LOCKWASHER, 1/2"
14	70064531	7	-	WASHER, plain (1-1/8"O. D.)(Early units)
	70092163	7	-	WASHER, plain (1-3/4"O. D.)(Late units)
15	70632930	-	1	PLATE, center, left side (Models HD16A, D)
	70632941	-	1	PLATE, center, left side (Models HD16AC, DC)
16	70035190	-	5	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	-	5	LOCKWASHER, 1/2"
17	70092163	-	5	WASHER, plain

(Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
18	70632740	-	1	PLATE, center, right side
19	70035190	-	2	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	-	2	LOCKWASHER, 1/2"
20	70092163	-	2	WASHER, plain
21	70083602	1	1	PLATE, guide, gear shifting lever (Models HD16A, D)
	70083603	1	1	PLATE, guide, gear shifting lever (Models HD16AC, DC)
22	70013058	2	2	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	2	2	LOCKWASHER, 3/8"
23	70044973	2	2	WASHER, plain
24	70083836	1	-	PLATE, rear (Used prior to tractor #5154 excluding #5104)
	70623861	1	1	PLATE, rear (Effective with tractor #5154 including #5104)
25	70035190	4	4	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	4	4	LOCKWASHER, 1/2"
26	70064531	4	4	WASHER, plain
27	70099323	1	1	CHANNEL, supporting, front and center plates
	70626481	1	1	CHANNEL, supporting, front and center plates (For tractors with Ripper and Triple Control Valve)
28	70614478	4	4	CAPSCREW, 1/2 NF x 1-3/8"
	70904208	4	4	LOCKWASHER, 1/2"
	70911043	4	4	NUT, 1/2"NF (Effective with tractor #4129)
29	70083832	1	1	CHANNEL, supporting, center and rear plates, left
30	70070469	4	4	CAPSCREW, 1/2"NF x 1-1/4"
31	70064531	4	4	WASHER, plain
	70910244	1	1	WASHER, plain, SAE std., 1/2" (spacing)
	70904208	4	4	LOCKWASHER, 1/2"
	70911043	4	4	NUT, 1/2"NF
32	70083830	1	1	CHANNEL, supporting, center and rear plates
33	70070469	4	4	CAPSCREW, 1/2"NF x 1-1/4"
34	70064531	4	4	WASHER, plain
	70904208	4	4	LOCKWASHER, 1/2"
	70911043	4	4	NUT, 1/2"NF
35	70623860	1	1	CHANNEL, supporting, center and rear plates, right
36	70070469	3	3	CAPSCREW, 1/2"NF x 1-1/4"
37	70064531	3	3	WASHER, plain
	70904208	3	3	LOCKWASHER, 1/2"
	70911043	3	3	NUT, 1/2"NF



FLOOR (First type. Models HD16FC, GC)

FLOOR

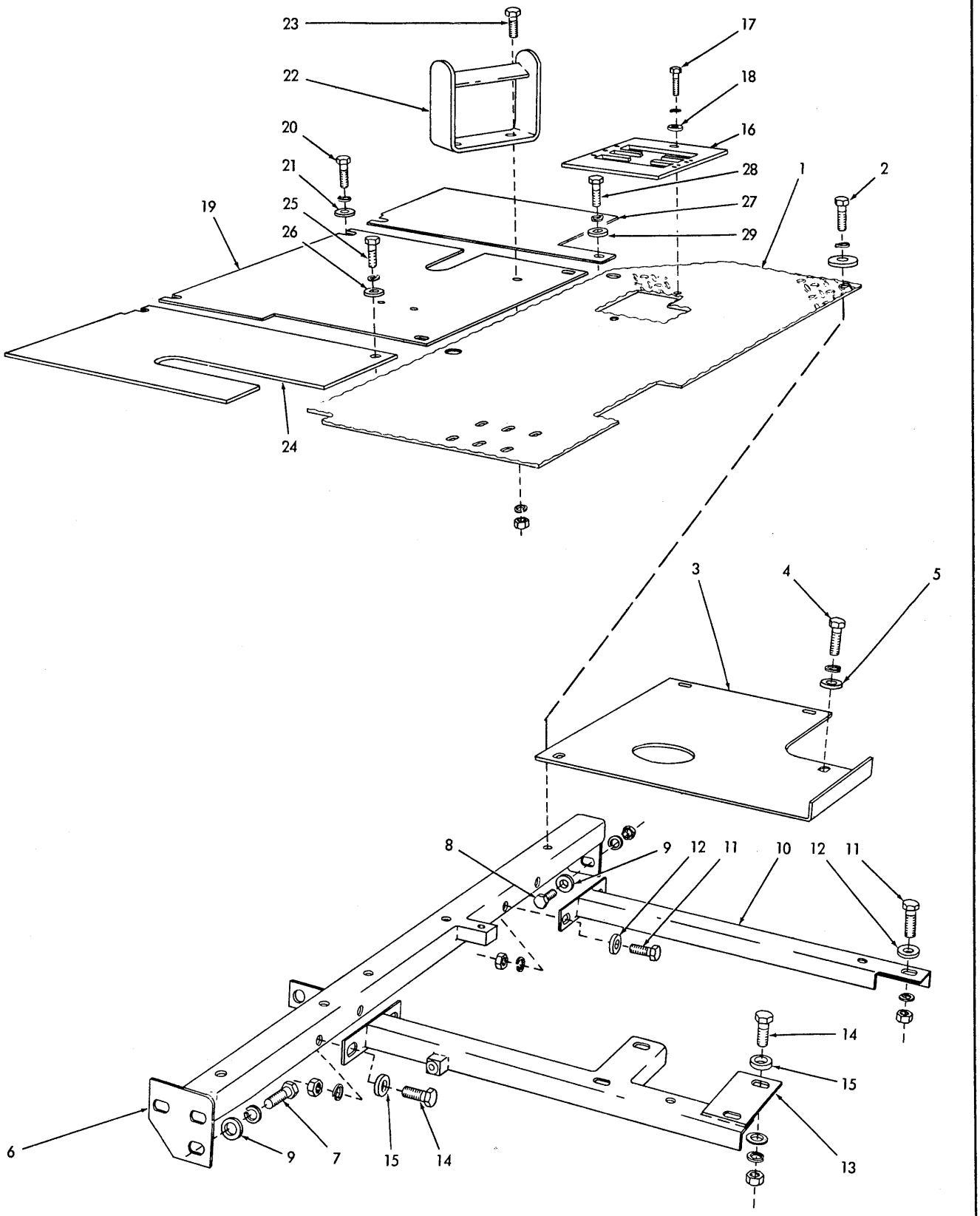
USAGE: Model HD16FC, GC tractors prior to serial No. 5154

* Model HD16FC
** Model HD16GC

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
				NOTE: Model HD16FC parts not listed here are shown in a separate Side Boom catalog
1	70087866	-	1	PLATE, floor, right front
2	70035190	-	5	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	-	5	LOCKWASHER, 1/2"
3	70064531	-	5	WASHER, plain
4	70087867	-	1	PLATE, floor, left front
5	70035190	-	4	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	-	4	LOCKWASHER, 1/2"
6	70064531	-	4	WASHER, plain
7	70087565	-	1	PLATE, floor, center
8	70035190	-	4	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	-	4	LOCKWASHER, 1/2"
9	70092163	-	4	WASHER, plain
10	70087567	1	1	PLATE, floor, rear
11	70035190	4	4	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	4	4	LOCKWASHER, 1/2"
12	70064531	4	4	WASHER, plain
13	70078624	-	1	CHANNEL, floor supporting, front (Used prior to tractor #4560)
	70099325	-	1	CHANNEL, floor supporting, front (Effective with tractor #4560)
14	70035061	-	2	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	-	2	LOCKWASHER, 1/2"
15	70064531	-	2	WASHER, plain
16	70078630	1	1	CHANNEL, floor supporting, intermediate
17	70035073	3	3	CAPSCREW, 1/2"NF x 1-3/4"
18	70070469	3	3	CAPSCREW, 1/2"NF x 1-1/4"
19	70064531	6	6	WASHER, plain
	70904208	6	6	LOCKWASHER, 1/2"
	70911043	3	3	NUT, 1/2"NF
20	70623914	1	1	CHANNEL, floor supporting, right rear
21	70070469	3	3	CAPSCREW, 1/2"NF x 1-1/4"
22	70064531	3	3	WASHER, plain
	70904208	3	3	LOCKWASHER, 1/2"
	70911043	3	3	NUT, 1/2"NF
23	70078632	1	1	CHANNEL, floor supporting, left rear
24	70070469	4	4	CAPSCREW, 1/2"NF x 1-1/4"
25	70064531	4	4	WASHER, plain
	70910244	1	1	WASHER, plain, SAE std., 1/2" (spacing)
	70904208	4	4	LOCKWASHER, 1/2"
	70911043	4	4	NUT, 1/2"NF
26	70083603	1	1	PLATE, guide, shifting lever
27	70013058	2	2	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	2	2	LOCKWASHER, 3/8"
28	70044973	2	2	WASHER, plain

(Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION	
29	70089601	-	1	REST, right foot (Used prior to tractor #2612)	
	70092780	-	1	REST, right foot (Used on tractors #2612 thru #3066)	
30	70070469	-	2	CAPSCREW, 1/2"NF x 1-1/4"	Used prior to tractor #2612
	70904208	-	2	LOCKWASHER, 1/2"	
	70911043	-	2	NUT, 1/2"NF	
	70035061	-	2	CAPSCREW, 1/2"NC x 1-1/4"	Used on tractors #2612 thru #3066
	70904208	-	2	LOCKWASHER, 1/2"	
				NOTE: See page 167 for combination foot rest and decelerator pedal bracket effective with tractor #3067	
31	70089556	-	1	REST, left foot	
32	70070469	-	2	CAPSCREW, 1/2"NF x 1-1/4"	
	70904208	-	2	LOCKWASHER, 1/2"	
33	70091304	-	1	PLATE, floor supporting, right	
34	70035221	-	3	CAPSCREW, 1/2"NC x 1"	
	70904208	-	3	LOCKWASHER, 1/2"	
35	70091306	-	1	PLATE, floor supporting, left (Used prior to tractor #4001)	
	70097783	-	1	PLATE, floor supporting, left (Effective with tractor #4001)	
36	70035221	-	3	CAPSCREW, 1/2"NC x 1"	
	70904208	-	3	LOCKWASHER, 1/2"	
37	70083939	1	-	PLATE, floor, front center (Used prior to tractor #4001)	
	70621260	1	-	PLATE, floor, front center (Effective with tractor #4001)	
38	70035190	4	-	CAPSCREW, 1/2"NC x 1-1/2"	
	70904208	4	-	LOCKWASHER, 1/2"	
39	70064531	4	-	WASHER, plain	
40	70054374	2	-	REST, foot (1 used effective with tractor #4777)	
41	70070469	4	-	CAPSCREW, 1/2"NF x 1-1/4"	2 used effective with tractor #4777
	70904208	4	-	LOCKWASHER, 1/2"	
	70911043	4	-	NUT, 1/2"NF	

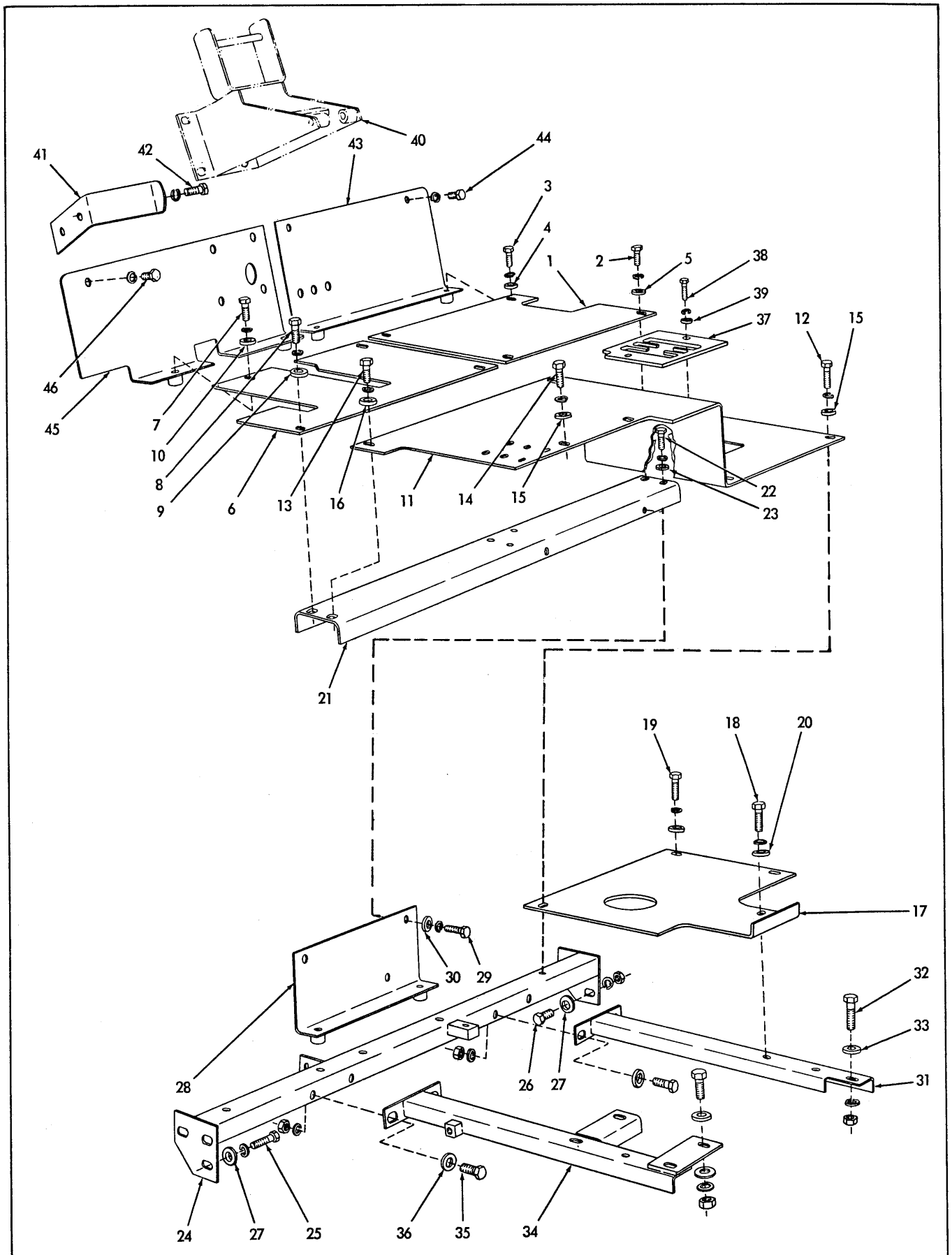


FLOOR (Second type. Model HD16FC)

FLOOR

USAGE: Model HD16FC tractors effective with serial No. 5154

ITEM	PART NO.	QTY.	DESCRIPTION
1	70624124	1	PLATE, floor, center
2	70035190	4	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	4	LOCKWASHER, 1/2"
	70092163	4	WASHER, plain
3	70623767	1	PLATE, floor, rear
4	70035190	4	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	4	LOCKWASHER, 1/2"
5	70064531	4	WASHER, plain
6	70078630	1	CHANNEL, floor supporting, intermediate
7	70035073	3	CAPSCREW, 1/2"NF x 1-3/4"
8	70070469	3	CAPSCREW, 1/2"NF x 1-1/4"
9	70064531	6	WASHER, plain
	70904208	6	LOCKWASHER, 1/2"
	70911043	3	NUT, 1/2"NF
10	70623914	1	CHANNEL, floor supporting, right rear
11	70070469	3	CAPSCREW, 1/2"NF x 1-1/4"
12	70064531	3	WASHER, plain
	70904208	3	LOCKWASHER, 1/2"
	70911043	3	NUT, 1/2"NF
13	70078632	1	CHANNEL, floor supporting, left rear
14	70070469	4	CAPSCREW, 1/2"NF x 1-1/4"
15	70064531	4	WASHER, plain
	70910244	1	WASHER, plain, SAE std., 1/2" (spacing)
	70904208	4	LOCKWASHER, 1/2"
	70911043	4	NUT, 1/2"NF
16	70083603	1	PLATE, guide, gear shifting lever
17	70013058	2	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	2	LOCKWASHER, 3/8"
18	70044973	2	WASHER, plain
19	70621260	1	PLATE, floor, front center
20	70035190	4	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	4	LOCKWASHER, 1/2"
21	70064531	4	WASHER, plain
22	70054374	1	REST, right foot
23	70070469	2	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	2	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF
24	70632911	1	PLATE, floor, front left
25	70035190	2	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	2	LOCKWASHER, 1/2"
26	70064531	2	WASHER, plain
27	70632912	1	PLATE, floor, front right
28	70035190	2	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	2	LOCKWASHER, 1/2"
29	70064531	2	WASHER, plain



FLOOR (Second type. Model HD16GC)

FLOOR

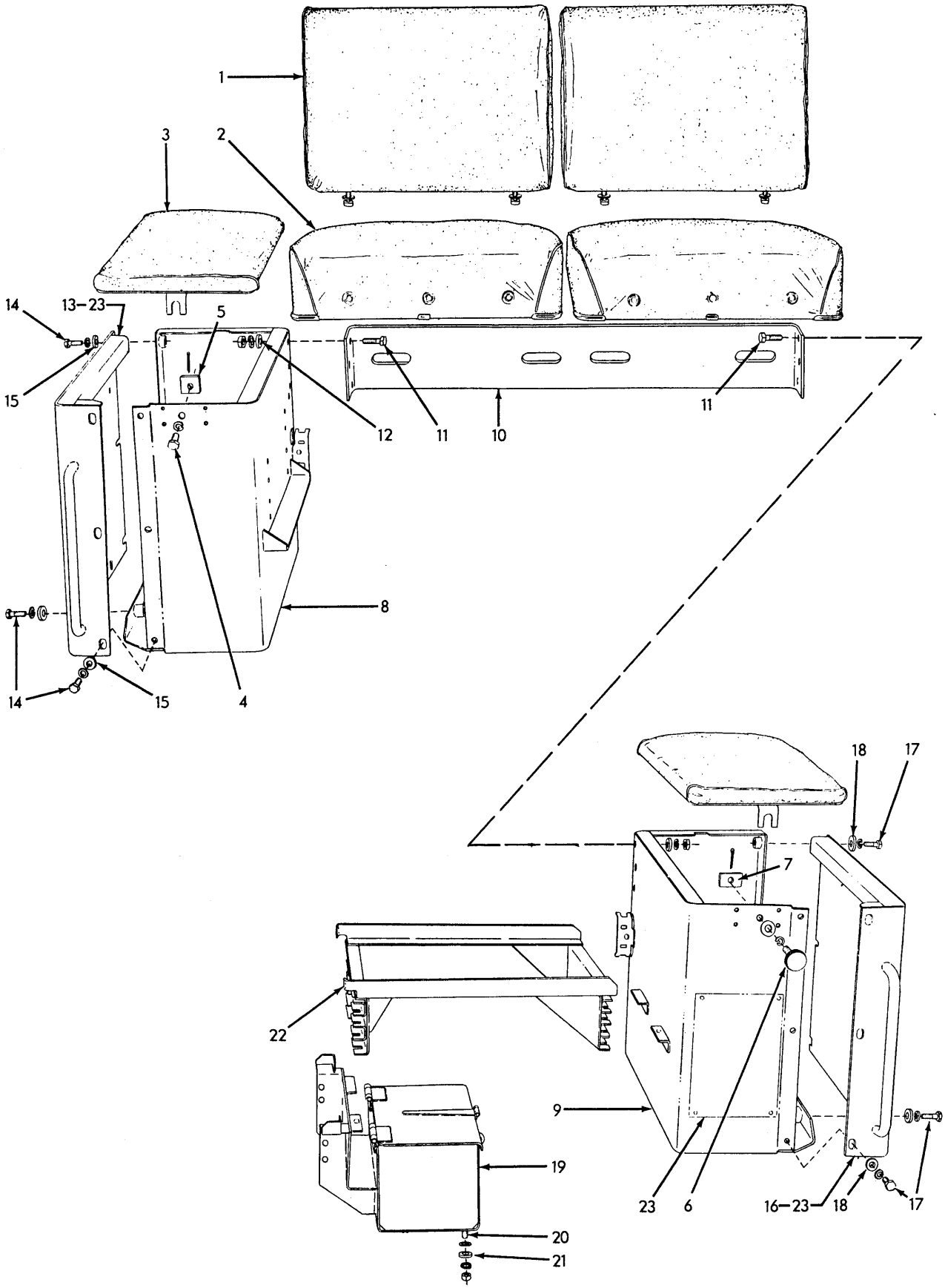
USAGE: Model HD16GC tractors effective with serial No. 5154.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70624145	1	PLATE, floor, right front
2	70035220	1	CAPSCREW, 1/2"NC x 1-1/8"
3	70035190	3	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	4	LOCKWASHER, 1/2"
4	70064531	2	WASHER, plain
5	70047063	2	WASHER, plain
6	70624147	1	PLATE, floor, left front
7	70035190	3	CAPSCREW, 1/2"NC x 1-1/2"
8	70035220	1	CAPSCREW, 1/2"NC x 1-1/8"
	70904208	4	LOCKWASHER, 1/2"
9	70064531	2	WASHER, plain
10	70047063	2	WASHER, plain
11	70624151	1	PLATE, floor, center
12	70035190	5	CAPSCREW, 1/2"NC x 1-1/2"
13	70035220	1	CAPSCREW, 1/2"NC x 1-1/8"
14	70035061	2	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	8	LOCKWASHER, 1/2"
15	70064531	6	WASHER, plain
16	70047063	2	WASHER, plain
17	70624405	1	PLATE, floor, rear
18	70035190	1	CAPSCREW, 1/2"NC x 1-1/2"
19	70035061	3	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	4	LOCKWASHER, 1/2"
20	70064531	4	WASHER, plain
21	70624158	1	CHANNEL, floor supporting, front
22	70035220	1	CAPSCREW, 1/2"NC x 1-1/8"
	70904208	1	LOCKWASHER, 1/2"
23	70047063	1	WASHER, plain
24	70078630	1	CHANNEL, floor supporting, intermediate
25	70035073	3	CAPSCREW, 1/2"NF x 1-3/4"
26	70070469	3	CAPSCREW, 1/2"NF x 1-1/4"
27	70064531	6	WASHER, plain
	70904208	3	LOCKWASHER, 1/2"
	70911043	3	NUT, 1/2"NF
28	70624149	1	ANGLE, floor supporting
29	70035190	2	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	2	LOCKWASHER, 1/2"
30	70064531	2	WASHER, plain
31	70623914	1	CHANNEL, floor supporting, right rear
32	70070469	3	CAPSCREW, 1/2"NF x 1-1/4"
33	70064531	3	WASHER, plain
	70904208	3	LOCKWASHER, 1/2"
	70911043	3	NUT, 1/2"NF
34	70078632	1	CHANNEL, floor supporting, left rear
35	70070469	4	CAPSCREW, 1/2"NF x 1-1/4"
36	70064531	4	WASHER, plain
	70910244	1	WASHER, plain, SAE std., 1/2" (spacing)
	70904208	4	LOCKWASHER, 1/2"
	70911043	4	NUT, 1/2"NF

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
37	70624152	1	PLATE, guide, gear shifting lever
38	70013058	2	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	2	LOCKWASHER, 3/8"
39	70044973	2	WASHER, plain
40	--------	1	BRACKET, right foot rest (See THROTTLE CONTROL)
41	70089556	1	REST, left foot
42	70070469	2	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	2	LOCKWASHER, 1/2"
43	70624156	1	PLATE, floor supporting, right
44	70035221	2	CAPSCREW, 1/2"NC x 1"
	70904208	2	LOCKWASHER, 1/2"
45	70624154	1	PLATE, floor supporting, left
46	70035221	1	CAPSCREW, 1/2"NC x 1"
	70904208	1	LOCKWASHER, 1/2"

MEMO



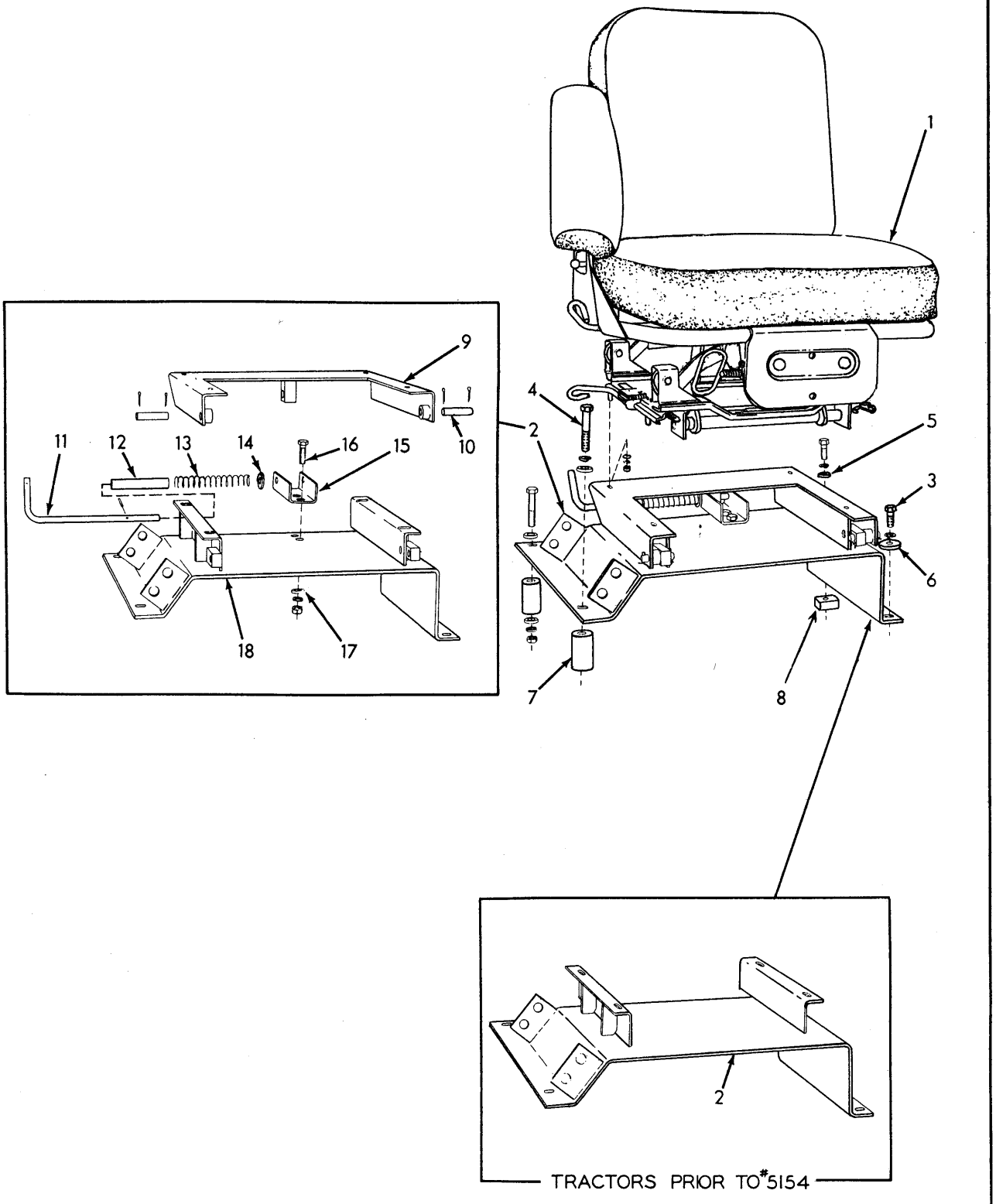
SEAT AND BATTERY BOXES (Models HD16A, AC, D, DC)

SEAT AND BATTERY BOXES

USAGE: Standard equipment on Models HD16A, AC, D, DC. See pages 505 and 515 for optional Bucket Seats

ITEM	PART NO.	QTY.	DESCRIPTION	
1	70083262	2	*CUSHION, back (Includes NUTS indented below)(1 less used when heavy-duty filters are installed)	
	70910882	4	NUT, square, 1/2"NC	
	70910244	4	WASHER, plain, SAE std., 1/2"	
2	70083261	2	*CUSHION, seat (1 less used when heavy-duty filters are installed)	
3	70083263	2	CUSHION, arm	
4	70050510	1	CAPSCREW, retaining, arm cushion (1/2"NF x 1-1/2")	2 used prior to tractor #4001
	70904208	1	LOCKWASHER, 1/2"	
	70900802	1	PIN, cotter, 3/32" x 1"	
5	70050551	1	BLOCK, retaining, arm cushion (1/2"NF)	
6	70091976	1	KNOB, retaining, left arm cushion	Effective with tractor #4001
	70904208	1	LOCKWASHER, 1/2"	
	70910244	1	WASHER, plain, SAE std., 1/2"	
	70900802	1	PIN, cotter, 3/32" x 1"	
7	70624488	1	BLOCK, retaining, left arm cushion (1/2"NC)	
8	70082372	1	BOX, right battery	
9	70082371	1	BOX, left battery	
10	70084029	1	BRACE, battery box	
11	70035018	6	CAPSCREW, 1/2"NF x 1-1/2"	
12	70064531	6	WASHER, plain	
	70904208	6	LOCKWASHER, 1/2"	
	70911043	6	NUT, 1/2"NF	
13	70065242	1	COVER, right battery box	
14	70035018	8	CAPSCREW, 1/2"NF x 1-1/2"	
	70904208	8	LOCKWASHER, 1/2"	
15	70064531	8	WASHER, plain	
16	70065241	1	COVER, left battery box	
17	70035018	8	CAPSCREW, 1/2"NF x 1-1/2"	
	70904208	8	LOCKWASHER, 1/2"	
18	70064531	8	WASHER, plain	
19	70073225	1	*BOX, tool	
20	70035018	3	CAPSCREW, 1/2"NF x 1-1/2"	
21	70064531	6	WASHER, plain	
	70910244	3	WASHER, plain, SAE std., 1/2" (spacing)	
	70904208	3	LOCKWASHER, 1/2"	
	70911043	3	NUT, 1/2"NF	
22	70073222	1	*FRAME, seat	
23	------	-	PLATE AND TRANSFERS (See PAINTING AND MARKING)	

*These items discontinued as standard equipment effective with tractor serial No. 5763 due to adoption of Bucket Seat as standard.



BUCKET SEAT (First type. HD16A, AC, D, DC)

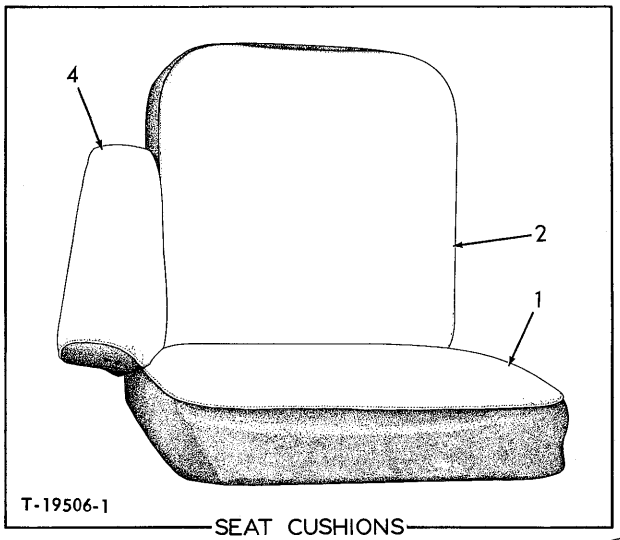
T-33479

BUCKET SEAT

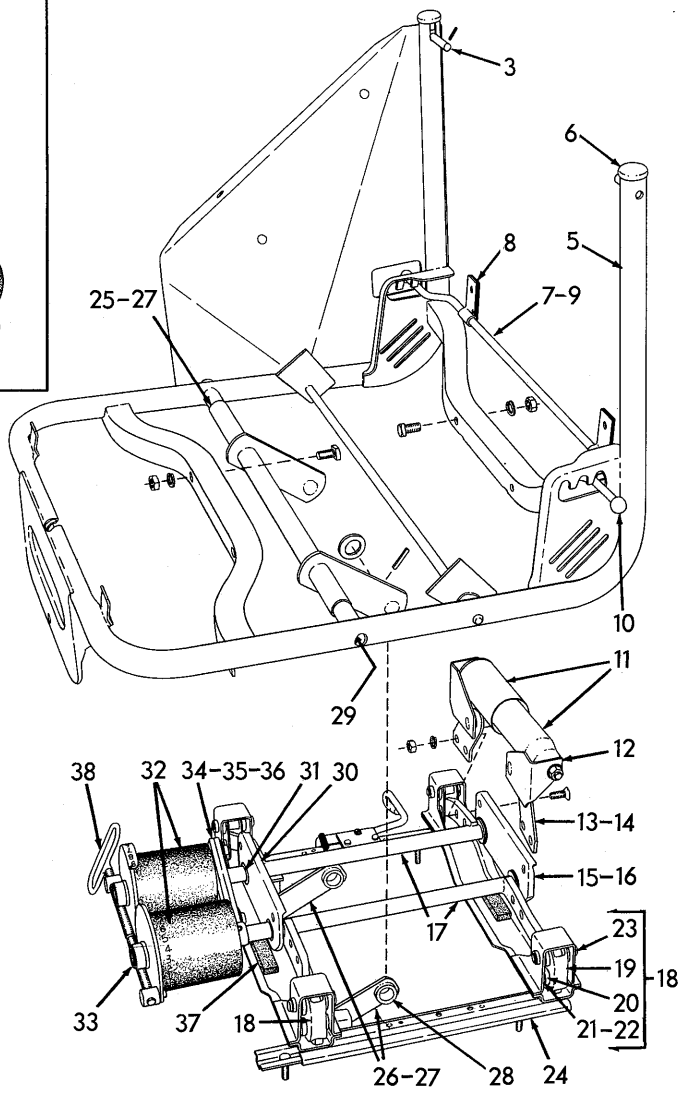
USAGE: Optional Equipment. For Models HD16A, AC, D, DC prior to September 1961

* Tractors prior to serial No. 5154, excluding No. 5104
** Tractors serial No. 5154 and up, including No. 5104

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70092679	1	1	SEAT ASSY. (Includes NUT and LOCKWASHER indented below. See page 506 for parts)(Order 1 each SEAT ASSY. 70622493, BRACKET 70624056 and NUT 70911035; 2 each WASHER 70064531 and BLOCK 70095307; 3 CAPSCREWS 70035190; 4 CAPSCREWS 70070467 and 5 LOCKWASHERS 70904208)
	70910335	4	4	WASHER, plain, SAE std., 5/16"
	70904205	4	4	LOCKWASHER, 5/16"
	70910323	4	4	NUT, 5/16"NC
2	------	1	-	SUPPORT, seat (Order FRAME ASSEMBLY 70627345)
	70627345	-	1	FRAME ASSEMBLY, seat (Consists of items 9 thru 18)
3	70035190	2	2	CAPSCREW, 1/2"NC x 1-1/2"
4	70037431	2	2	CAPSCREW, 1/2"NC x 4"
	70904208	4	4	LOCKWASHER, 1/2"
	70911035	1	1	NUT, 1/2"NC
5	70064531	4	4	WASHER, plain (1-1/8"O.D.)
6	70092163	1	1	WASHER, plain (1-3/4"O.D.)
7	70092684	2	2	BLOCK, spacing
8	70052949	1	1	BLOCK, tapped (Requires welding to left rear fender)
9	70627343	-	1	CHANNEL, seat frame, upper
10	70627329	-	2	PIN, pivot
	70900805	-	4	PIN, cotter, 1/8" x 3/4"
11	70627341	-	1	ROD, seat latching
	70916001	-	1	PIN, roll, 3/16" x 1"
12	70627340	-	1	SLEEVE, seat latching rod
13	70090487	-	1	SPRING, seat latching rod
14	70047063	-	1	WASHER, spring retaining
15	70627339	-	1	CHANNEL, seat frame, lower
16	70035018	-	2	CAPSCREW, 1/2"NF x 1-1/2"
17	70064531	-	2	WASHER, plain
	70904208	-	2	LOCKWASHER, 1/2"
	70911043	-	2	NUT, 1/2"NF
18	70627360	-	1	SUPPORT, seat



SEAT CUSHIONS



SEAT ASSEMBLY 70092679

USAGE: See page 505

ITEM	PART NO.	QTY.	DESCRIPTION
1	70094271	1	CUSHION, seat
2	70094272	1	CUSHION, back
	70900576	2	SCREW, machine, 1/4"NC x 3/4"
	70904204	2	LOCKWASHER, 1/4"

(Continued)

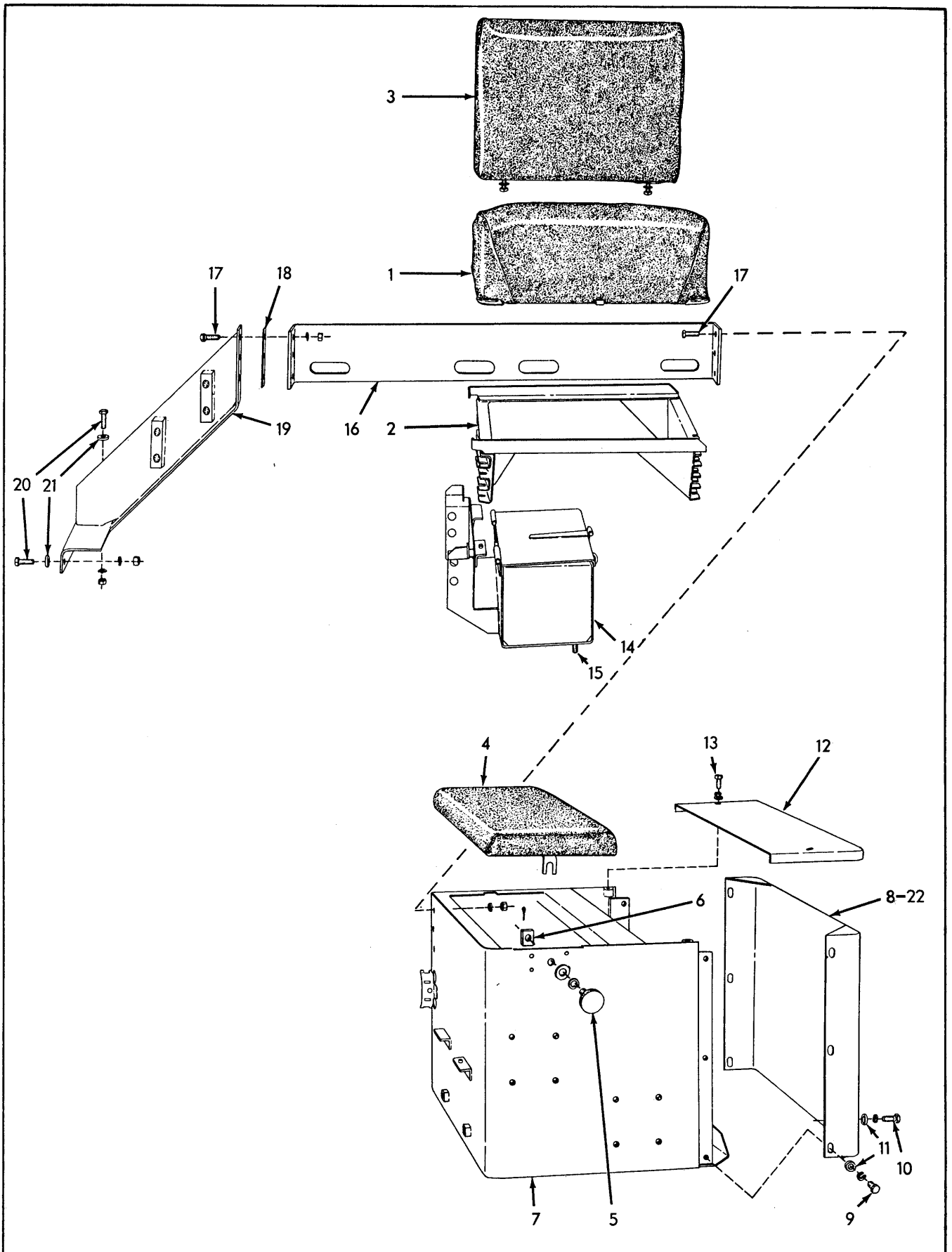
SEAT ASSEMBLY 70092679 (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
3	70094277	2	PIN, clevis, back cushion
	70916202	2	PIN, roll, 1/8" x 7/8"
4	70094273	1	CUSHION, right arm
	70900561	3	SCREW, machine, 5/16"NC x 3/4"
	70904205	3	LOCKWASHER, 5/16"
5	70094251	1	FRAME ASSY. (Includes seat cushion adjustment)
6	70094274	2	PLUG, button, frame top
7	70094268	1	ROD ASSY., adjusting, back cushion (Includes items 8 and 9)
8	70094269	2	BRACKET, back cushion adjusting rod
9	70094270	1	SPRING, torsion, adjusting rod
10	70094275	2	HANDLE, adjusting rod (plastic)
11	70094246	1	ABSORBER ASSY., shock (Serviced only as a unit)
	70904206	2	LOCKWASHER, 3/8"
	70910123	2	NUT, 3/8"NF
12	70094249	1	BRACKET ASSY., shock absorber, left (Includes pivot pin)
	70094250	1	BRACKET ASSY., shock absorber, right (Includes pivot pin)
	70900805	2	PIN, cotter, 1/8" x 3/4"
13	70094247	1	BRACKET ASSY., pivot, left (Includes item 14)
	70094248	1	BRACKET ASSY., pivot, right (Includes item 14)
	70914814	4	SCREW, machine, fl-hd., 3/8"NC x 1"
	70904206	4	LOCKWASHER, 3/8"
	70911026	4	NUT, 3/8"NC
14	70094314	4	BEARING, pivot bracket
15	70094262	1	BULKHEAD ASSY., rear (Includes item 16)
	70903629	2	CAPSCREW, 3/8"NC x 3/4"
	70904206	2	LOCKWASHER, 3/8"
	70911026	2	NUT, 3/8"NC
16	70094261	2	BEARING, rear bulkhead
17	70094253	1	SHAFT AND ARM, spring, left
	70094254	1	SHAFT AND ARM, spring, right
18	70094255	4	KIT, short link (Consists of items 19 thru 23)
19	--------	4	LINK, short (Not serviced. Order item 18)
20	70094256	16	BEARING, short link
21	70094259	4	PIN, lower (1/2" x 1-1/4"
22	70094257	4	WASHER, thrust, lower pin
23	70094258	4	PIN, pivot (1/2" x 2-1/8")
24	70094252	1	BRACKET ASSY., base (Includes slide rails and adjusting lever)
25	70094242	1	YOKE ASSY., upper (Includes item 27)
	70916001	2	PIN, roll, 3/16" x 1"
	70913092	2	WASHER, plain, 25/32" I. D.
26	70094244	1	YOKE ASSY., lower (Includes items 27 and 28)
27	70094243	4	BEARING, yoke (1/2" I. D.)
28	70094245	2	BEARING, yoke (3/4" I. D.)
29	70094278	4	PIN, drive, upper and lower yoke

(Continued)

SEAT ASSEMBLY 70092679 (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
30	70094260	1	BULKHEAD ASSEMBLY, center (Includes item 31)
	70903629	2	CAPSCREW, 3/8"NC x 3/4"
	70904206	2	LOCKWASHER, 3/8"
	70911026	2	NUT, 3/8"NC
31	70094261	2	BEARING, bulkhead
32	70094263	1	SPRING ASSY., rubber, left (Serviced only as a unit. Includes item 33)
	70094264	1	SPRING ASSY., rubber, right (Serviced only as a unit. (Includes item 33)
	70917977	2	PIN, roll, 1/4" x 1-3/16"
33	70094265	2	BEARING, rubber spring
34	70094266	1	KIT, stabilizing link (Consists of items 35 and 36)
35	--------	1	LINK ASSY., (Not serviced. Order item 34)
	70910244	2	WASHER, plain, SAE std., 1/2"
	70916202	2	PIN, roll, 1/8" x 7/8"
36	70094332	2	BEARING, stabilizing link
37	70094276	2	BUMPER, rubber
38	70094267	1	STUD ASSY., weight adjusting (Includes swivel pin)
	70916202	2	PIN, roll, 1/8" x 7/8"

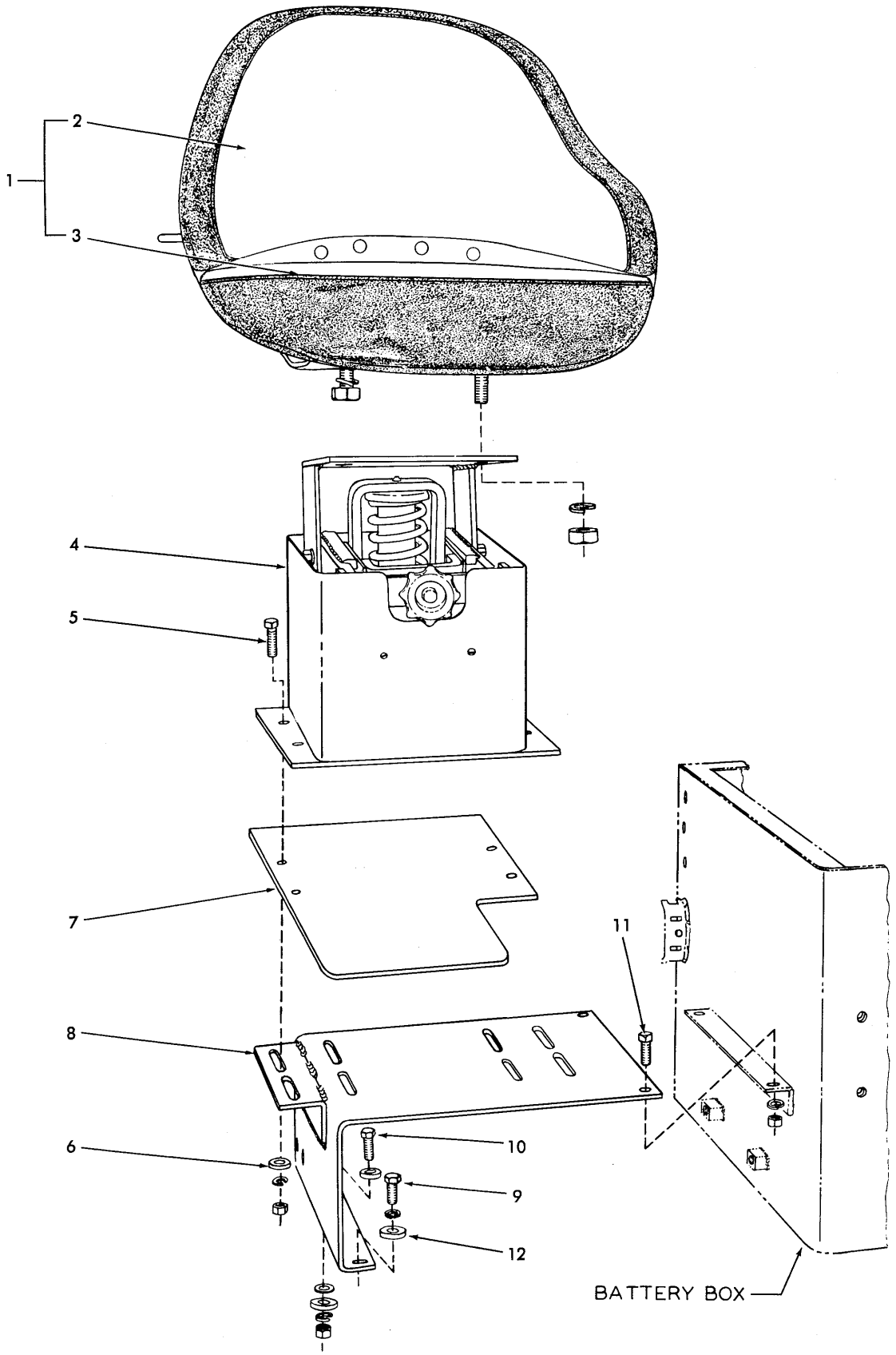


SEAT AND BATTERY BOX (Model HD16FC)

SEAT AND BATTERY BOX

USAGE: Model HD16FC

ITEM	PART NO.	QTY.	DESCRIPTION
1	70083261	1	CUSHION, seat
2	70073222	1	FRAME
3	70083262	1	CUSHION, back (Includes NUTS indented below)
	70910244	2	WASHER, plain, SAE std., 1/2"
	70910882	2	NUT, square, 1/2"NC
4	70083263	1	CUSHION, arm
5	70050510	1	CAPSCREW, arm cushion retaining (1/2"NF x 1-1/2")(Used prior to tractor #4001)
	70904208	1	LOCKWASHER, 1/2"
	70900802	1	PIN, cotter, 3/32" x 1"
	70091976	1	KNOB, arm cushion retaining (Effective with tractor #4001)
	70904208	1	LOCKWASHER, 1/2"
	70910244	1	WASHER, plain, SAE std., 1/2"
	70900802	1	PIN, cotter, 3/32" x 1"
6	70050551	1	BLOCK, tapped, cushion retaining capscrew (1/2"NF)(Used prior to tractor #4001)
	70624488	1	BLOCK, tapped, cushion retaining knob (1/2"NC)(Effective with tractor #4001)
7	70085740	1	BOX, battery
8	70080207	1	COVER, battery box side
9	70070469	6	CAPSCREW, 1/2"NF x 1-1/4"
10	70035018	2	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	8	LOCKWASHER, 1/2"
11	70064531	8	WASHER, plain
12	70089336	1	COVER, battery box top
13	70070469	2	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	2	LOCKWASHER, 1/2"
	70900818	2	WASHER, plain, U.S. std., 1/2"
14	70073225	1	BOX, tool
15	70035018	2	CAPSCREW, 1/2"NF x 1-1/2" (front)
	70035073	2	CAPSCREW, 1/2"NF x 1-3/4" (rear)
	70064531	6	WASHER, plain
	70904208	4	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF } rear cap-screws
	70900818	2	WASHER, plain, U.S. std., 1/2" (spacing) } rear cap-screws
16	70084029	1	BRACE, battery box
17	70035018	5	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	5	LOCKWASHER, 1/2"
	70911043	5	NUT, 1/2"NF
18	70087472	3	SHIM, battery box brace (Use as req'd)
19	70089290	1	BRACKET, battery box brace (Used prior to tractor #4001)
	70094958	1	BRACKET, battery box brace (Effective with tractor #4001)
20	70035018	2	CAPSCREW, 1/2"NF x 1-1/2"
21	70064531	2	WASHER, plain
	70904208	2	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF
22	------	-	PLATE and TRANSFERS (See PAINTING AND MARKING)

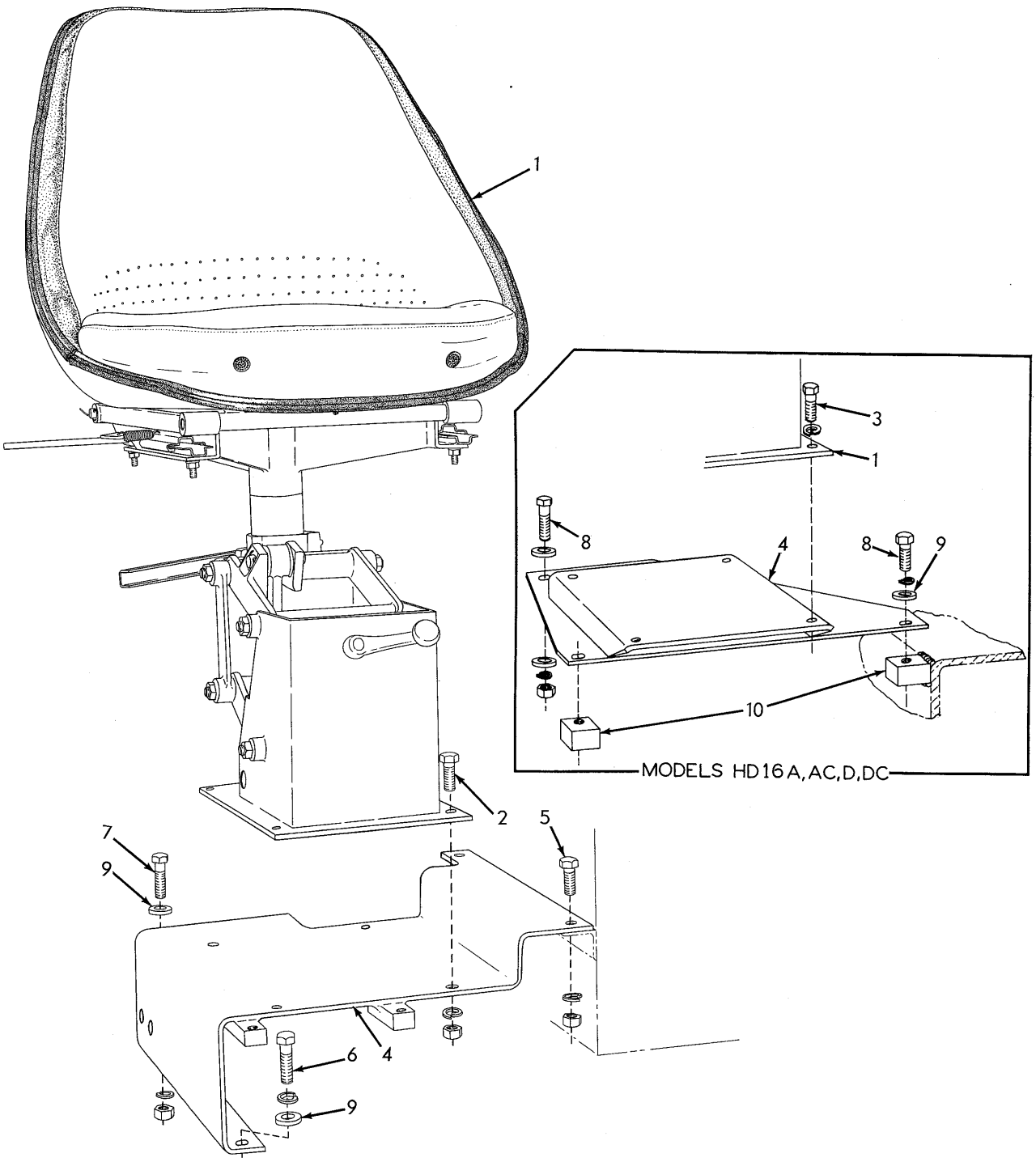


SEAT (First type. HD16GC)

SEAT

USAGE: Model HD16GC tractors prior to serial No. 5190

ITEM	PART NO.	QTY.	DESCRIPTION
1	------	1	SEAT (Includes integral cushions; also NUT and LOCKWASHER indented below)(Used prior to tractor #4640. Order SEAT ASSEMBLY 70182671)
	70904369	2	LOCKWASHER, 3/4"
	70900408	2	NUT, square, 3/4"NC
1	70182671	1	SEAT ASSEMBLY (Includes items 2 and 3; also NUT and LOCKWASHER indented below)(Effective with tractor #4640)
	70904369	2	LOCKWASHER, 3/4"
	70910923	2	NUT, hex, 3/4"NC
2	70182718	1	CUSHION, back (Effective with tractor #4640)
	70916268	3	CAPSCREW, 3/8"NC x 5/8"
3	70182719	1	CUSHION, seat (Effective with tractor #4640)
	70916268	2	CAPSCREW, 3/8"NC x 5/8"
4	70169557	1	SUPPORT ASSEMBLY, seat (See page 517 for parts)
5	70035073	4	CAPSCREW, 1/2"NF x 1-3/4"
6	70064531	4	WASHER, plain
	70904208	4	LOCKWASHER, 1/2"
	70911043	4	NUT, 1/2"NF
7	------	1	PLATE, foot rest (Discontinued)
8	70089964	1	PLATE, seat support
9	70035236	1	CAPSCREW, 1/2"NC x 1-3/4"
10	70035018	1	CAPSCREW, 1/2"NF x 1-1/2"
11	70070469	2	CAPSCREW, 1/2"NF x 1-1/4"
12	70064531	3	WASHER, plain
	70904208	4	LOCKWASHER, 1/2"
	70911043	3	NUT, 1/2"NF
	70900818	1	WASHER, plain, U.S. std., 1/2" (spacing)



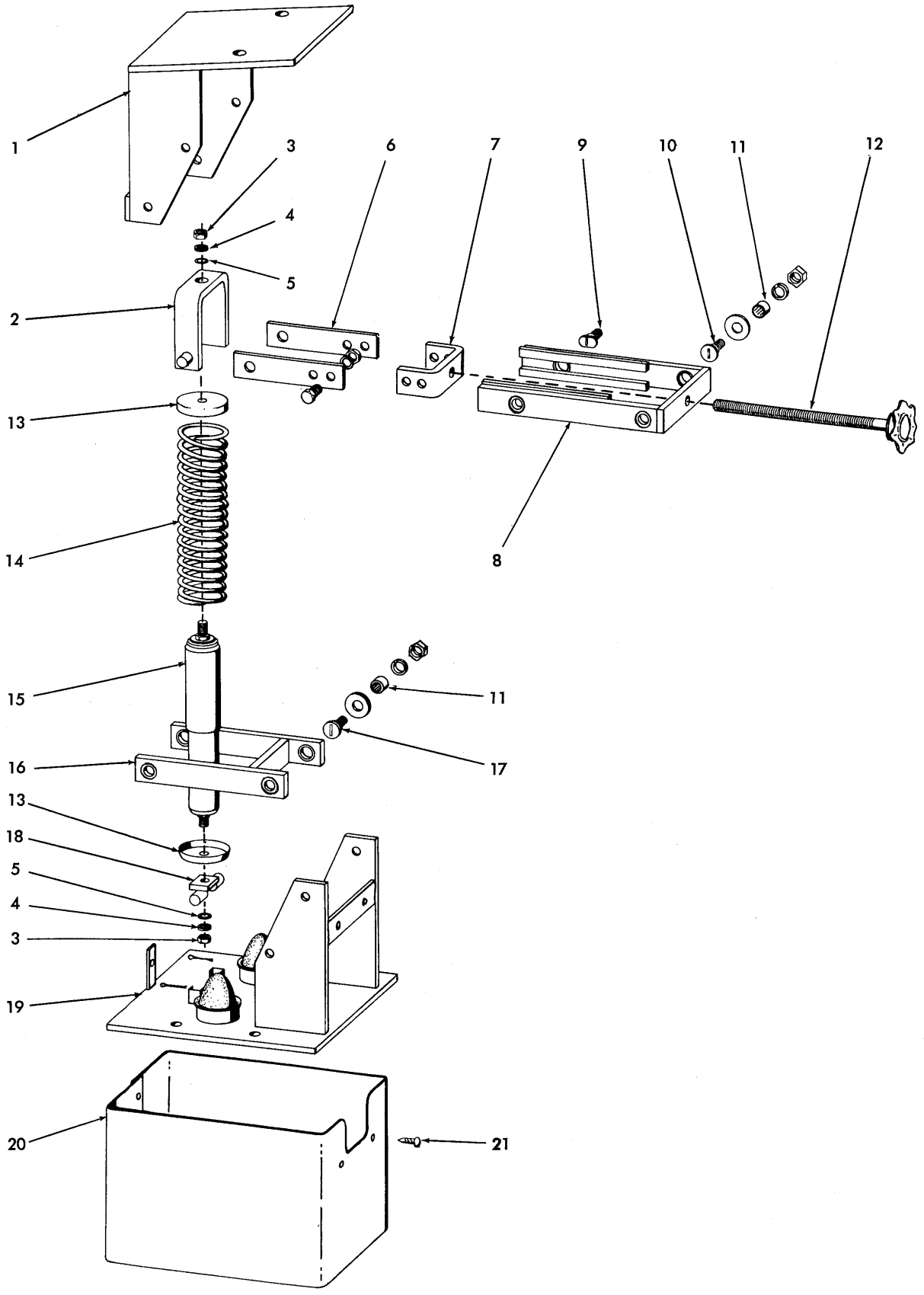
BUCKET SEAT (Second type)

T-27487

BUCKET SEAT

* Model HD16GC tractors effective with serial No. 5190
** Optional equipment on Models HD16A, AC, D, DC effective September 1961. Adopted as standard equipment effective with tractor serial No. 5763.

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70622493	1	1	SEAT ASSEMBLY (See page 519 for parts)(Original equipment)
	70644748	1	1	SEAT ASSEMBLY (See page 521 for parts)(Service replacement for SEAT ASSEMBLY 70622493)
	70645563	1	1	SEAT ASSEMBLY (See page 521 for parts)(Same as SEAT ASSEMBLY 70644748 except has fire-resistant cover)
2	70070469	4	-	CAPSCREW, 1/2"NF x 1-1/4"
3	70070467	-	4	CAPSCREW, 1/2"NF x 1"
	70904208	4	4	LOCKWASHER, 1/2"
	70911043	4	-	NUT, 1/2"NF
4	70622492	1	-	BRACKET, mounting
	70624056	-	1	BRACKET, mounting
5	70070469	2	-	CAPSCREW, 1/2"NF x 1-1/4"
6	70035236	1	-	CAPSCREW, 1/2"NC x 1-3/4"
7	70035018	1	-	CAPSCREW, 1/2"NF x 1-1/2"
8	70035190	-	4	CAPSCREW, 1/2"NC x 1-1/2"
9	70064531	3	6	WASHER, plain
	70904208	4	4	LOCKWASHER, 1/2"
	70911043	3	-	NUT, 1/2"NF
	70911035	-	2	NUT, 1/2"NC
10	70095307	-	2	BLOCK, tapped (Requires welding to install)

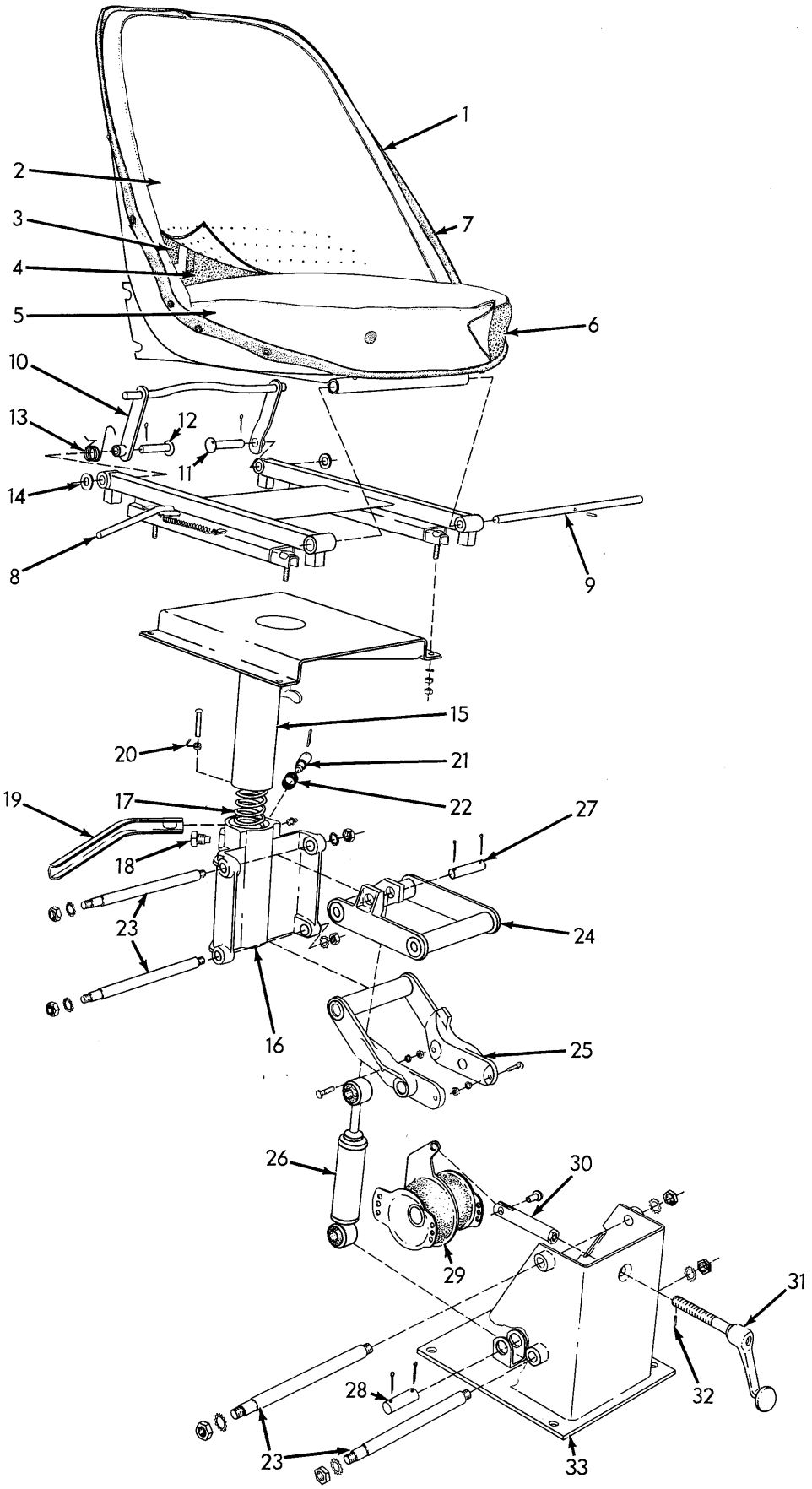


SEAT SUPPORT ASSEMBLY 169557

SEAT SUPPORT ASSEMBLY 70169557

USAGE: See page 513

ITEM	PART NO.	QTY.	DESCRIPTION
1	70169803	1	PLATE, seat mounting
2	70169805	1	CLEVIS, seat adjusting
3	70169808	2	LOCKNUT, shock absorber
4	70169809	2	WASHER, plain
5	70169810	2	GASKET (rubber)
6	70169815	2	PLATE, yoke
	70915228	4	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	4	LOCKWASHER, 3/8"
	70910123	4	NUT, 3/8"NF
7	70169816	1	YOKE, seat adjusting
8	70169801	1	ARM ASSEMBLY, upper (Includes item 11)
9	70169821	2	BOLT
10	70169819	2	BOLT
	70913289	4	WASHER, plain, U.S. std., 9/16"
	70904208	4	LOCKWASHER, 1/2"
	70910195	4	NUT, 1/2"NF
11	70800781	8	BEARING, needle
12	70169804	1	SCREW, seat adjusting
13	70169814	2	CUP, shock absorber spring
14	70169818	1	SPRING, shock absorber
15	70169812	1	ABSORBER, shock
16	70169802	1	ARM ASSEMBLY, lower (Includes item 11)
17	70169819	4	BOLT
	70913289	4	WASHER, plain, U.S. std., 9/16"
	70904208	4	LOCKWASHER, 1/2"
	70910195	4	NUT, 1/2"NF
18	70169806	1	ROCKER, shock absorber
	70900803	2	PIN, cotter, 3/32" x 1-1/4"
19	70169807	1	PLATE, base
20	70169822	1	SHIELD
21	70913300	5	SCREW, thread-cutting, slotted rd-hd., #12 x 1/2"



SEAT ASSEMBLY 622493

SEAT ASSEMBLY 70622493

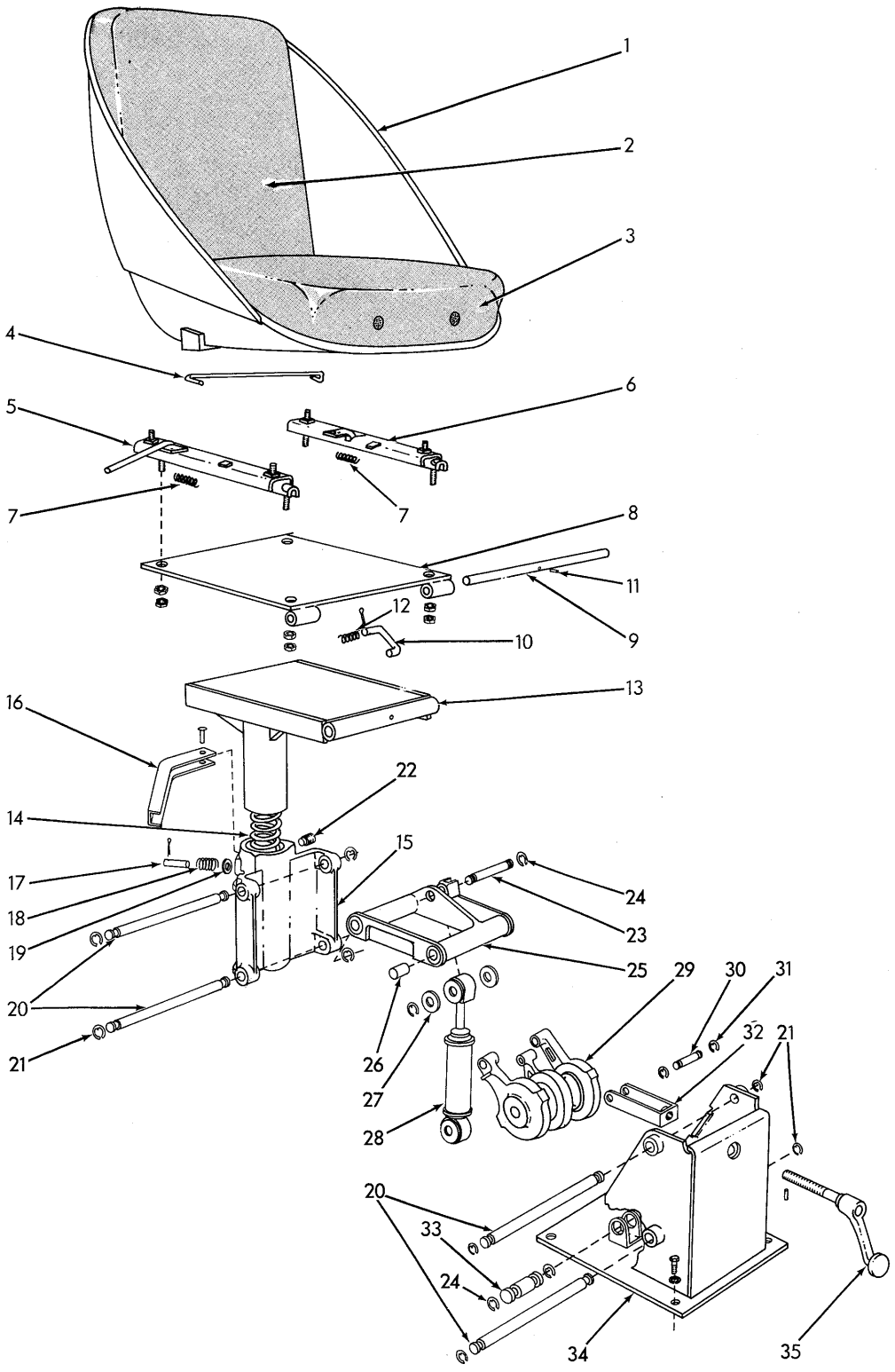
USAGE: See page 515

ITEM	PART NO.	QTY.	DESCRIPTION
1	70628006	1	SEAT (Includes items 2 thru 7)
2	70628112	1	COVER, back cushion
3	70628113	1	FILLER, back cushion
4	70628111	1	PAD, seat back
5	70628110	1	COVER, seat cushion
6	70628109	1	FILLER, seat cushion
7	70628114	6	MOLDING, seat frame
8	70627481	1	SLIDE ADJUSTER ASSEMBLY (Serviced only as a unit)
	70904205	4	LOCKWASHER, 5/16"
	70913636	8	NUT, 5/16"NF
9	70627480	1	SHAFT, slide adjuster
	70920335	1	PIN, roll, 5/32" x 1-1/8"
10	70627499	1	LEVER, release
11	70628002	1	PIN, release lever, left side
	70900802	1	PIN, cotter, 3/32" x 1"
12	70628004	1	PIN, release lever, right side
	70900802	1	PIN, cotter, 3/32" x 1"
13	70628003	1	SPRING, release lever
14	70628001	2	WASHER, release lever pins
15	70627482	1	SUPPORT, seat
16	70627489	1	COLUMN, seat support
	70914465	1	FITTING, lubricating, straight, 1/8"NPT
17	70628005	1	SPRING, seat support
18	70627498	1	SCREW, locking, seat support column
19	70627484	1	LEVER, height adjustment
	70911452	1	RIVET, button-hd., 3/8" x 1"
20	70627485	1	SPRING, adjustment lever
21	70627487	1	PIN, adjustment lever
	70900802	1	PIN, cotter, 3/32" x 1"
22	70627486	1	SPRING, adjustment lever pin
23	70627491	4	SHAFT, suspension levers
	70910210	8	LOCKWASHER, ext-tooth, 1/2"
	70911035	8	NUT, jam, 1/2"NC
24	70627494	1	LEVER, suspension, upper
25	70627493	1	LEVER, suspension, lower
	70903625	4	CAPSCREW, 1/4"NC x 3/4"
	70904204	4	LOCKWASHER, 1/4"
	70911024	4	NUT, 1/4"NC
26	70627490	1	SHOCK ABSORBER
27	70627483	1	PIN, retaining, shock absorber (upper)
	70900803	2	PIN, cotter, 3/32" x 1-1/4"
28	70627492	1	PIN, retaining, shock absorber (lower)
	70900803	2	PIN, cotter, 3/32" x 1-1/4"
29	70627497	1	TORSION UNIT, rubber
30	70627488	1	LINK, adjusting crank
	70910310	1	RIVET, button-hd., 3/8" x 1"
31	70627495	1	CRANK, adjusting, torsion unit

(Continued)

SEAT ASSEMBLY 70622943 (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
32	70085239	1	PIN, adjusting crank
33	70627496	1	HOUSING, torsion unit

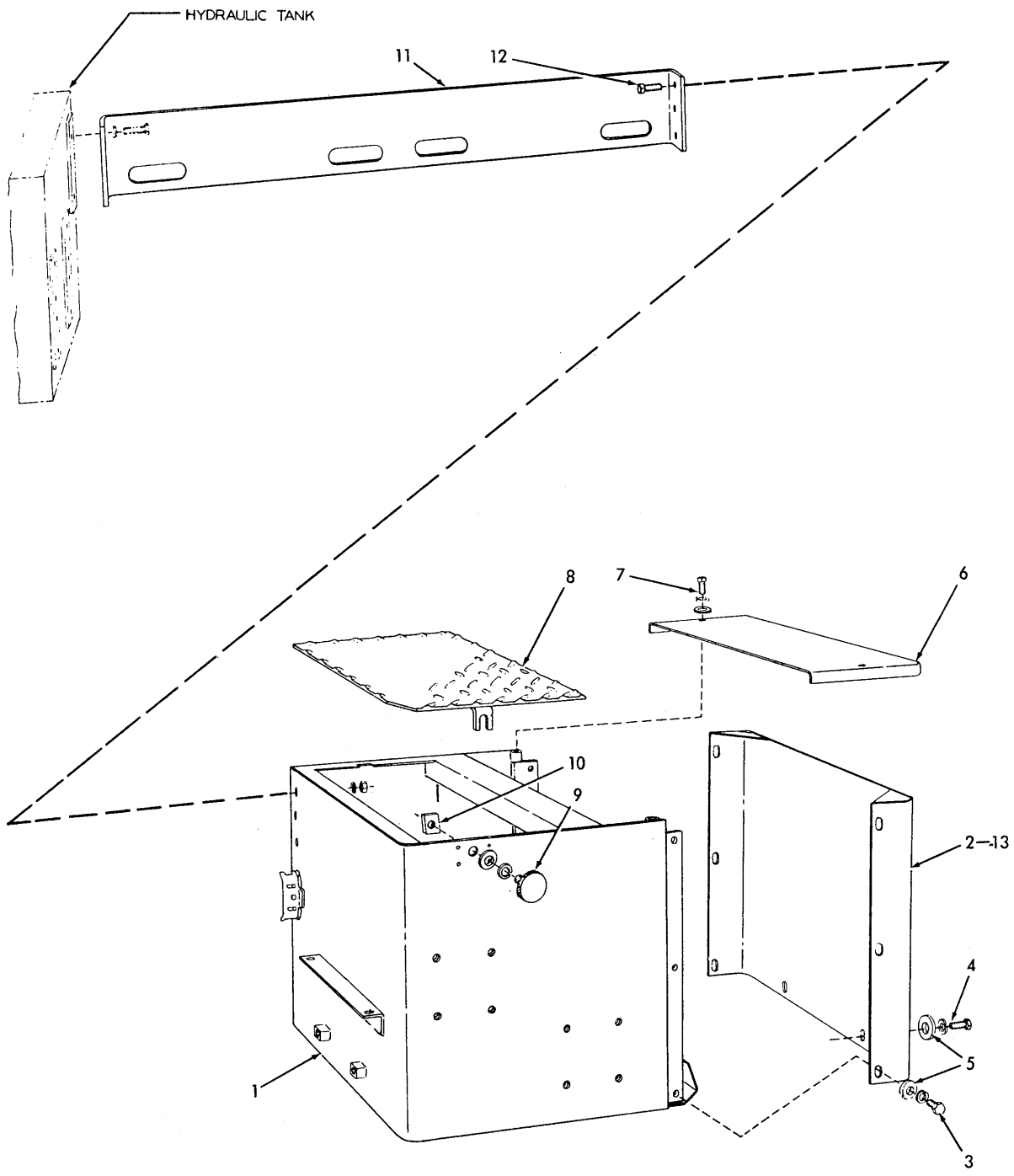


T-70816

644748 SEAT ASSEMBLY (Standard)
645563 SEAT ASSEMBLY (Fire-resistant) } See page 515

ITEM	PART NO.	QTY.	DESCRIPTION
1	70644749	1	SEAT ASSEMBLY (Standard) (Includes items 2 and 3)
	70645566	1	SEAT ASSEMBLY (Fire-resistant) (Includes items 2 and 3)
2	70644835	1	FILLER, back cushion
	70644839	1	COVER, back cushion (standard)
	70645584	1	COVER, back cushion (fire-resistant)
3	70628109	1	FILLER, seat cushion
	70188430	1	COVER, seat cushion (standard)
	70645692	1	COVER, seat cushion (fire-resistant)
4	70188407	1	ROD, latch
5	70188405	1	ADJUSTER ASSEMBLY, slide, right (Includes item 7)
	70914805	2	SCREW, mach., flat hd., 5/16"NC x 7/8"
6	70188406	1	ADJUSTER ASSEMBLY, slide, left (Includes item 7)
	70914805	2	SCREW, mach., flat hd., 5/16"NC x 7/8"
7	70188428	2	SPRING
8	70644754	1	PLATE, seat mounting
	70914321	8	NUT, jam, 5/16"NC
	70901165	4	WASHER, plain, U.S. std., 5/16"
9	70188410	1	SHAFT, seat mounting plate
10	70188411	1	PIN, latch
	70900802	1	PIN, cotter, 3/32" x 1"
11	70188412	1	ROLLPIN, mounting plate shaft
12	70638429	1	SPRING
13	70188414	1	COLUMN, seat mounting
14	70628005	1	SPRING, compression
15	70644750	1	SUPPORT ASSEMBLY, column (Includes items 16 thru 19)
16	70644830	1	LEVER
	70911452	1	RIVET, button hd., 1/4" x 1-5/8"
17	70188433	1	PIN, index
	70900802	1	PIN, cotter, 3/32" x 1"
18	70188434	1	SPRING
19	70188436	1	WASHER
20	70188424	4	SHAFT
21	70188423	8	RING, retaining
22	70627498	1	LOCKSCREW
23	70188426	1	PIN, shock absorber, upper
24	70638351	4	RING, retaining, shock absorber pin
25	70188420	1	LEVER ASSEMBLY, upper (Includes item 26)
26	70188443	4	BEARING, upper lever
27	70644845	2	WASHER, shock absorber upper pin
28	70188415	1	ABSORBER, shock
29	70188416	1	LEVER ASSEMBLY, co-axial spring (Serviced only as a unit)
30	70188418	1	PIN, adjusting yoke

(Continued)



BATTERY BOX (Model HD16GC)

T-24032

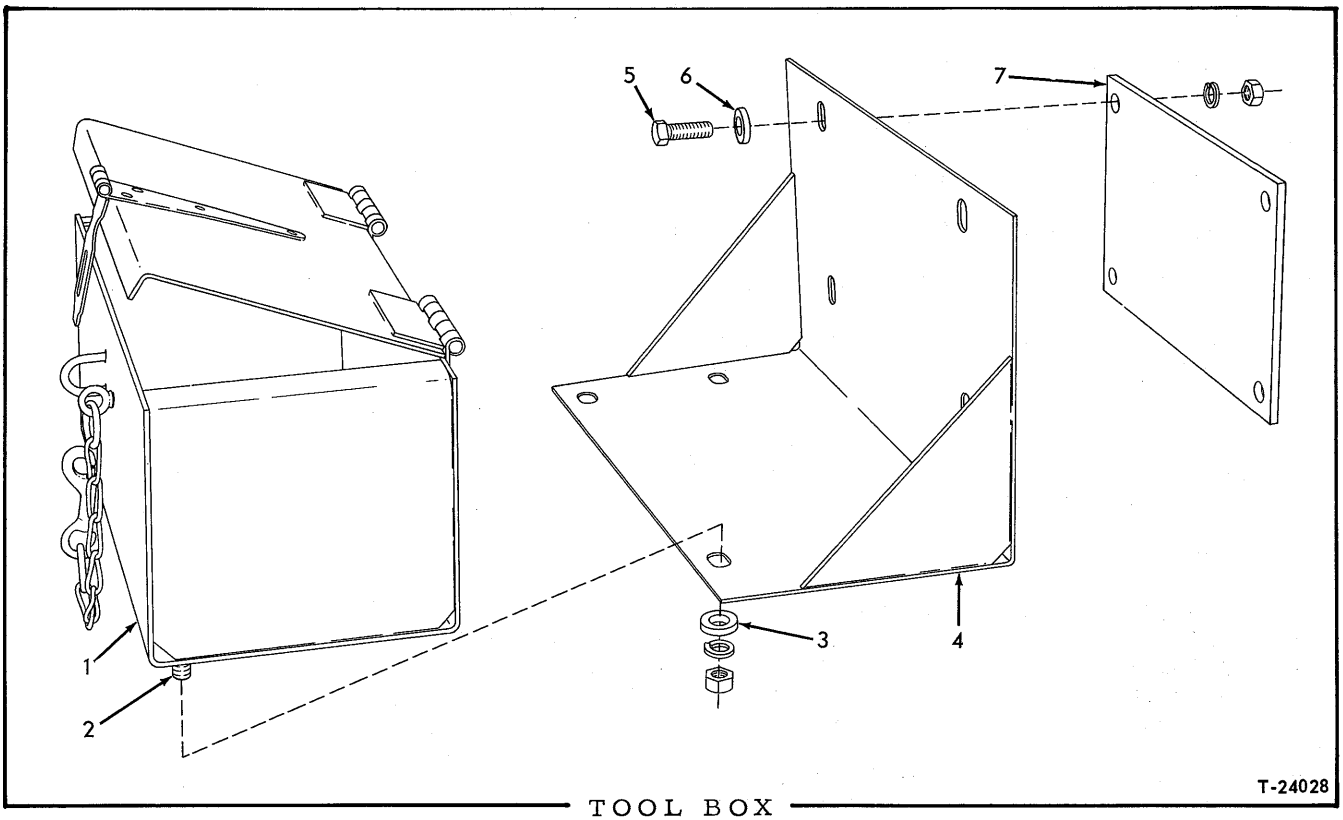
SEAT PARTS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
31	70188419	2	RING, retaining, adjusting yoke pin
32	70188421	1	YOKE, adjusting
33	70188425	1	PIN, shock absorber, lower
34	70644753	1	HOUSING, seat base
35	70627495	1	CRANK adjusting
	70910274	1	PIN, groove, 1/8" x 3/4"

BATTERY BOX

USAGE: Model HD16GC

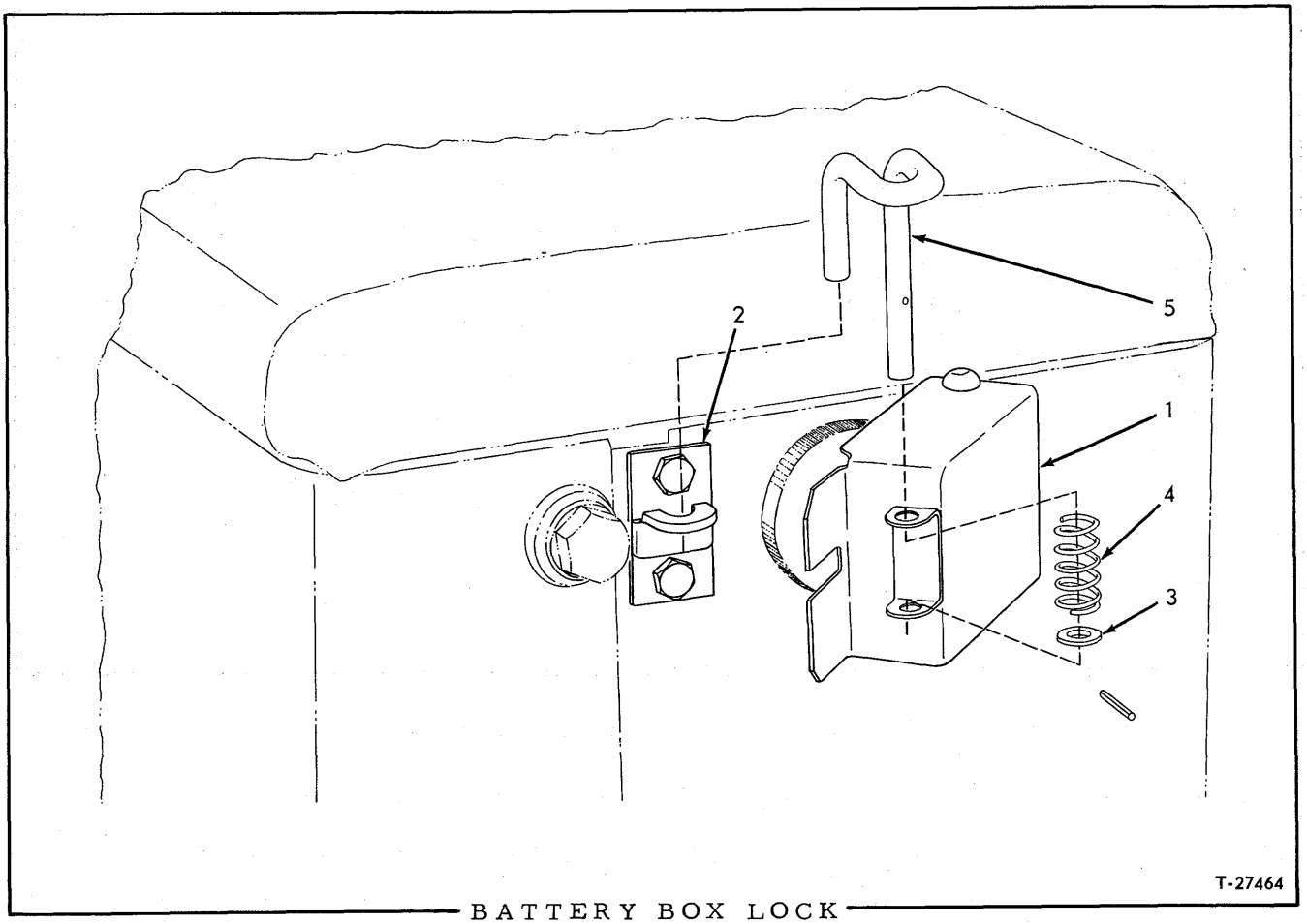
1	70089589	1	BOX
2	70080207	1	COVER, side
3	70070469	6	CAPSCREW, 1/2"NF x 1-1/4"
4	70035018	2	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	8	LOCKWASHER, 1/2"
5	70064531	8	WASHER, plain
6	70089336	1	COVER, top
7	70070467	2	CAPSCREW, 1/2"NF x 1"
	70904208	2	LOCKWASHER, 1/2"
	70900818	2	WASHER, plain, U.S. std., 1/2"
8	70090893	1	PLATE, tread
9	70050510	1	CAPSCREW, tread plate retaining (1/2"NF x 1-1/2")(Used prior to tractor #4001)
	70904208	1	LOCKWASHER, 1/2"
	70900802	1	PIN, cotter, 3/32" x 1"
	70091976	1	KNOB, tread plate retaining (Effective with tractor #4001)
	70904208	1	LOCKWASHER, 1/2"
	70910244	1	WASHER, plain, SAE std., 1/2"
	70900802	1	PIN, cotter, 3/32" x 1"
10	70050551	1	BLOCK, tapped, plate retaining capscrew (1/2"NF)(Used prior to tractor #4001)
	70624488	1	BLOCK, tapped, plate retaining knob (1/2"NC)(Effective with tractor #4001)
11	70084029	1	BRACE, battery box
12	70035018	3	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	3	LOCKWASHER, 1/2"
	70911043	3	NUT, 1/2"NF
13	------	-	TRANSFERS (See PAINTING AND MARKING)



TOOL BOX

* Standard equipment on Model HD16GC
** Special equipment on Models HD16A, AC, D, DC prior to serial No. 5763. Standard equipment thereafter. Used with BUCKET SEAT only. See SEAT for Tool Box used on prior units.

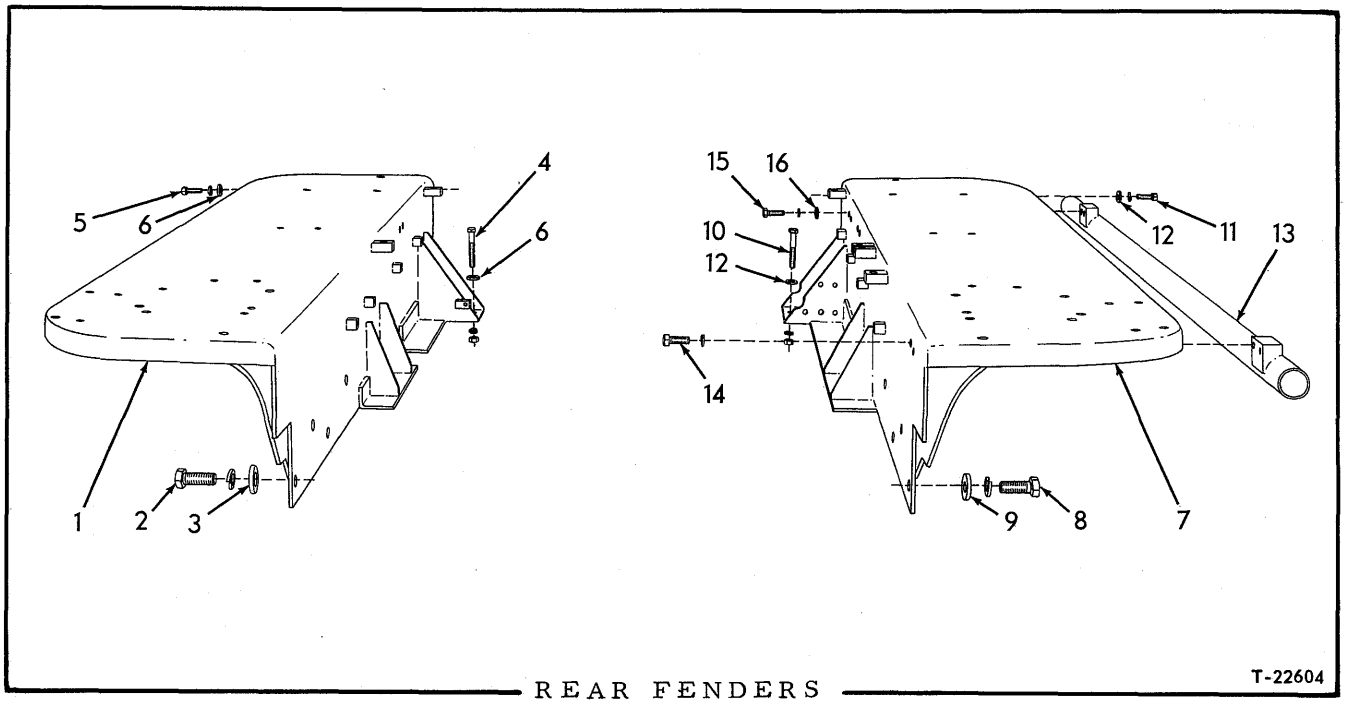
ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70089659	1	1	BOX, tool
2	70070469	4	-	CAPSCREW, 1/2"NF x 1-1/4"
2	70035018	-	4	CAPSCREW, 1/2"NF x 1-1/2"
3	70064531	4	8	WASHER, plain (4 less used when box mounted on rear fender)
	70904208	4	4	LOCKWASHER, 1/2"
	70911043	-	4	NUT, 1/2"NF
				NOTE: Items listed below are not used if tractor is equipped with heavy-duty Filters
4	70099319	-	1	BRACKET, box supporting
5	70035018	-	4	CAPSCREW, 1/2"NF x 1-1/2"
6	70064531	-	4	WASHER, plain
	70904208	-	4	LOCKWASHER, 1/2"
	70911043	-	4	NUT, 1/2"NF
7	70099310	-	1	PLATE, backing, battery box



BATTERY BOX LOCK

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

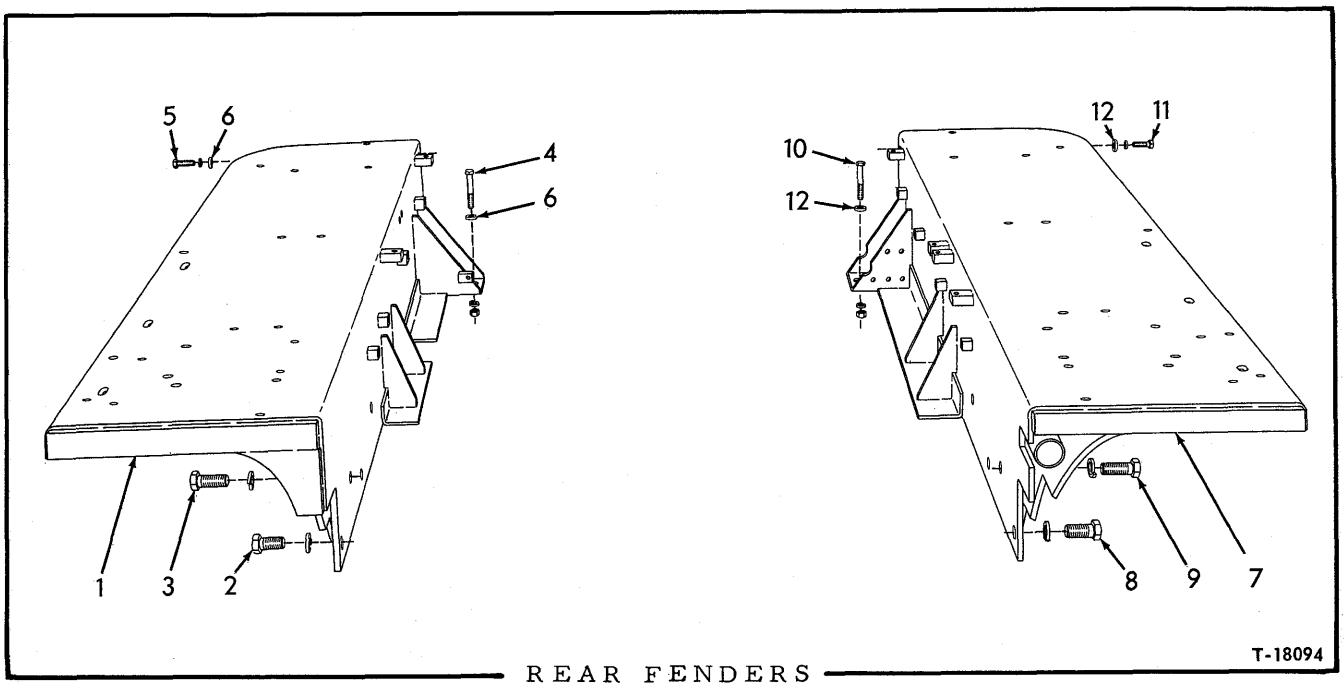
ITEM	PART NO.	QTY.	DESCRIPTION
1	70620474	1	COVER, retaining knob
	70914330	2	CAPSCREW, 1/4"NF x 5/8"
	70904204	2	LOCKWASHER, 1/4"
	70911040	2	NUT, 1/4"NF
2	70620472	1	PLATE, latching, retaining knob cover
	70914330	2	CAPSCREW, 1/4"NF x 5/8"
	70904204	2	LOCKWASHER, 1/4"
	70911040	2	NUT, 1/4"NF
3	70607414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



REAR FENDERS

USAGE: Models HD16A, AC, D, DC prior to tractor serial No. 4129

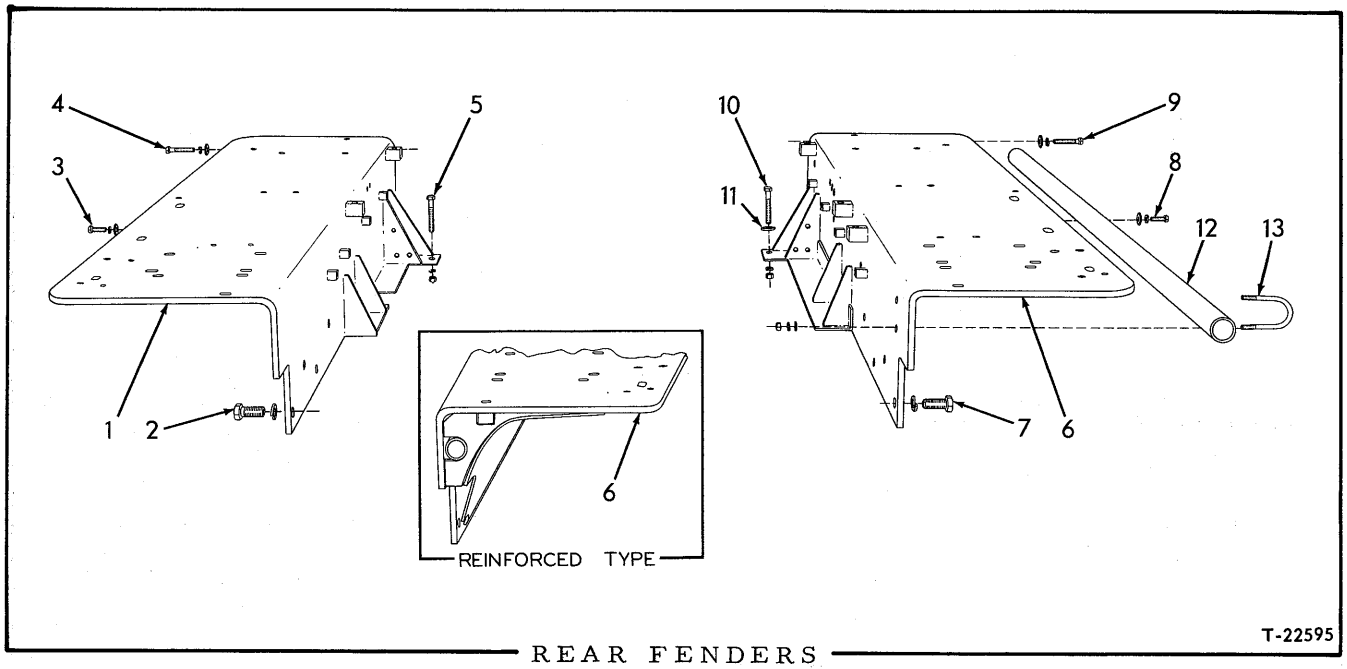
ITEM	PART NO.	QTY.	DESCRIPTION
1	------	1	FENDER, left (Order 1 FENDER 70095305, 1 CAPSCREW 70070403, 2 NUTS 70911028, 2 NUTS 70911043, 4 CAPSCREWS 70072595, 4 NUTS 70911044, 7 CAPSCREWS 70035248 and 7 WASHERS 70064810)
2	70012453	4	CAPSCREW, 3/4"NF x 2"
3	70061689	4	WASHER, plain
	70904369	4	LOCKWASHER, 3/4"
4	70042430	1	CAPSCREW, 1/2"NF x 3-1/4" (Also attaches steering clutch control hose supporting angle)
5	70035018	2	CAPSCREW, 1/2"NF x 1-1/2"
6	70064531	3	WASHER, plain
	70904208	3	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
7	------	1	FENDER, right (Order 1 FENDER 70095306, 1 CAPSCREW 70070403, 2 NUTS 70911028, 2 NUTS 70911043, 4 CAPSCREWS 70072595, 4 NUTS 70911044, 7 CAPSCREWS 70035248 and 7 WASHERS 70064810. If for tractors equipped with cable dozer using rear-mounted control unit also order 1 PIPE 70085042, 4 U-BOLTS 70095191, 8 LOCKWASHERS 70904206, 8 WASHERS 70911115 and 8 NUTS 70911041)
8	70012453	4	CAPSCREW, 3/4"NF x 2"
9	70061689	4	WASHER, plain
	70904369	4	LOCKWASHER, 3/4"
10	70042430	1	CAPSCREW 1/2"NF x 3-1/4"
11	70035018	2	CAPSCREW, 1/2"NF x 1-1/2"
12	70064531	3	WASHER, plain
	70904208	3	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
13	70093271	1	PIPE, cable conducting (For tractors equipped with cable dozer using rear-mounted control unit)
14	70070469	2	CAPSCREW, 1/2"NF x 1-1/4"
15	70035018	2	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	4	LOCKWASHER, 1/2"
16	70064531	2	WASHER, plain



REAR FENDERS

USAGE: Special equipment. Applicable to Models HD16A, AC, D, DC prior to tractor serial No. 4129. Required when Fuel Tank and Seat Guard is installed

ITEM	PART NO.	QTY.	DESCRIPTION
1	------	1	FENDER, left (Order 1 FENDER 70095305, 1 CAPSCREW 70070403, 4 CAPSCREWS 70012742, 4 WASHERS 70061689, 4 NUTS 70911044, 7 CAPSCREWS 70035248 and 7 WASHERS 70064810)
2	70072396	2	CAPSCREW, 3/4"NF x 1-1/2"
3	70012453	2	CAPSCREW, 3/4"NF x 2"
	70904369	4	LOCKWASHER, 3/4"
4	70042430	1	CAPSCREW, 1/2"NF x 3-1/4" (Also attaches steering clutch control hose supporting angle)
5	70035018	2	CAPSCREW, 1/2"NF x 1-1/2"
6	70064531	3	WASHER, plain
	70904208	3	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
7	------	1	FENDER, right (Order 1 FENDER 70095306, 1 CAPSCREW 70070403, 4 CAPSCREWS 70012742, 4 WASHERS 70061689, 4 NUTS 70911044, 7 CAPSCREWS 70035248 and 7 WASHERS 70064810. If for tractors equipped with cable dozer using rear-mounted control unit also order 1 PIPE 70085042, 4 U-BOLTS 70095191, 8 WASHERS 70911115, 8 LOCKWASHERS 70904206 and 8 NUTS 70911043)
8	70072396	2	CAPSCREW, 3/4"NF x 1-1/2"
9	70012453	2	CAPSCREW, 3/4"NF x 2"
	70904369	4	LOCKWASHER, 3/4"
10	70042430	1	CAPSCREW, 1/2"NF x 3-1/4"
11	70035018	2	CAPSCREW, 1/2"NF x 1-1/2"
12	70064531	3	WASHER, plain
	70904208	3	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF



REAR FENDERS

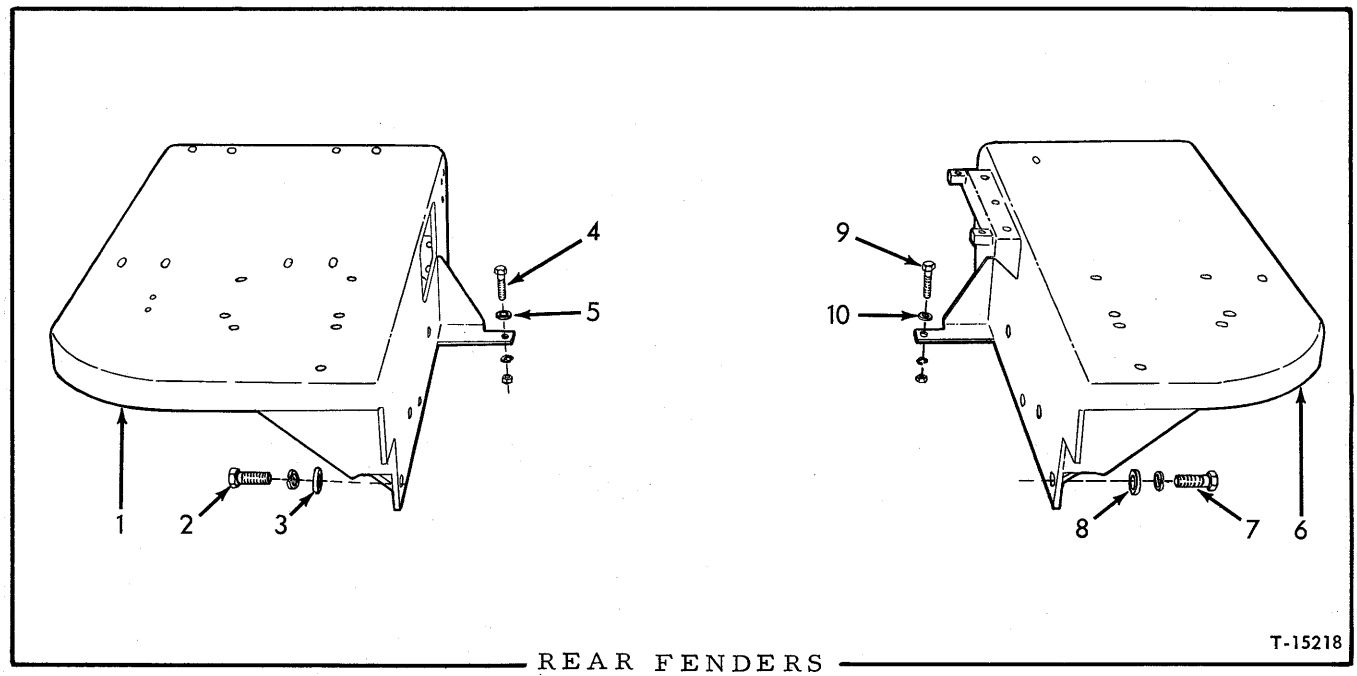
USAGE: Models HD16A, AC, D, DC tractors effective with serial No. 4129

* Standard equipment
** Special equipment. Reinforced type for logging tractors

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70095305	1	-	FENDER, left
	70621295	-	1	FENDER, left
2	70072595	4	2	CAPSCREW, 3/4"NF x 1-3/4"
	70012742	-	2	CAPSCREW, 3/4"NF x 2-1/4"
	70904369	4	4	LOCKWASHER, 3/4"
3	70035073	1	1	CAPSCREW, 1/2"NF x 1-3/4"
4	70070403	1	1	CAPSCREW, 1/2"NF x 3"
	70904208	2	2	LOCKWASHER, 1/2"
	70064531	2	2	WASHER, plain
5	70065588	1	1	CAPSCREW, 1/2"NF x 3-1/2" (also attaches steering clutch control hose supporting angle)
	70904208	1	1	LOCKWASHER, 1/2"
	70911043	1	1	NUT, 1/2"NF
6	70095306	1	-	FENDER, right (Used prior to tractor #5154 excluding #5104)
	70623716	1	-	FENDER, right (Effective with tractor #5154 including #5104)
	70621296	-	1	FENDER, right
7	70072595	4	2	CAPSCREW, 3/4"NF x 1-3/4"
	70012742	-	2	CAPSCREW, 3/4"NF x 2-1/4"
	70904369	4	4	LOCKWASHER, 3/4"
8	70035073	1	1	CAPSCREW, 1/2"NF x 1-3/4"
9	70070403	1	1	CAPSCREW, 1/2"NF x 3"
	70904208	2	2	LOCKWASHER, 1/2"
	70064531	2	2	WASHER, plain
10	70065588	1	1	CAPSCREW, 1/2"NF x 3-1/2"
11	70064531	1	1	WASHER, plain
	70904208	1	1	LOCKWASHER, 1/2"
	70911043	1	1	NUT, 1/2"NF

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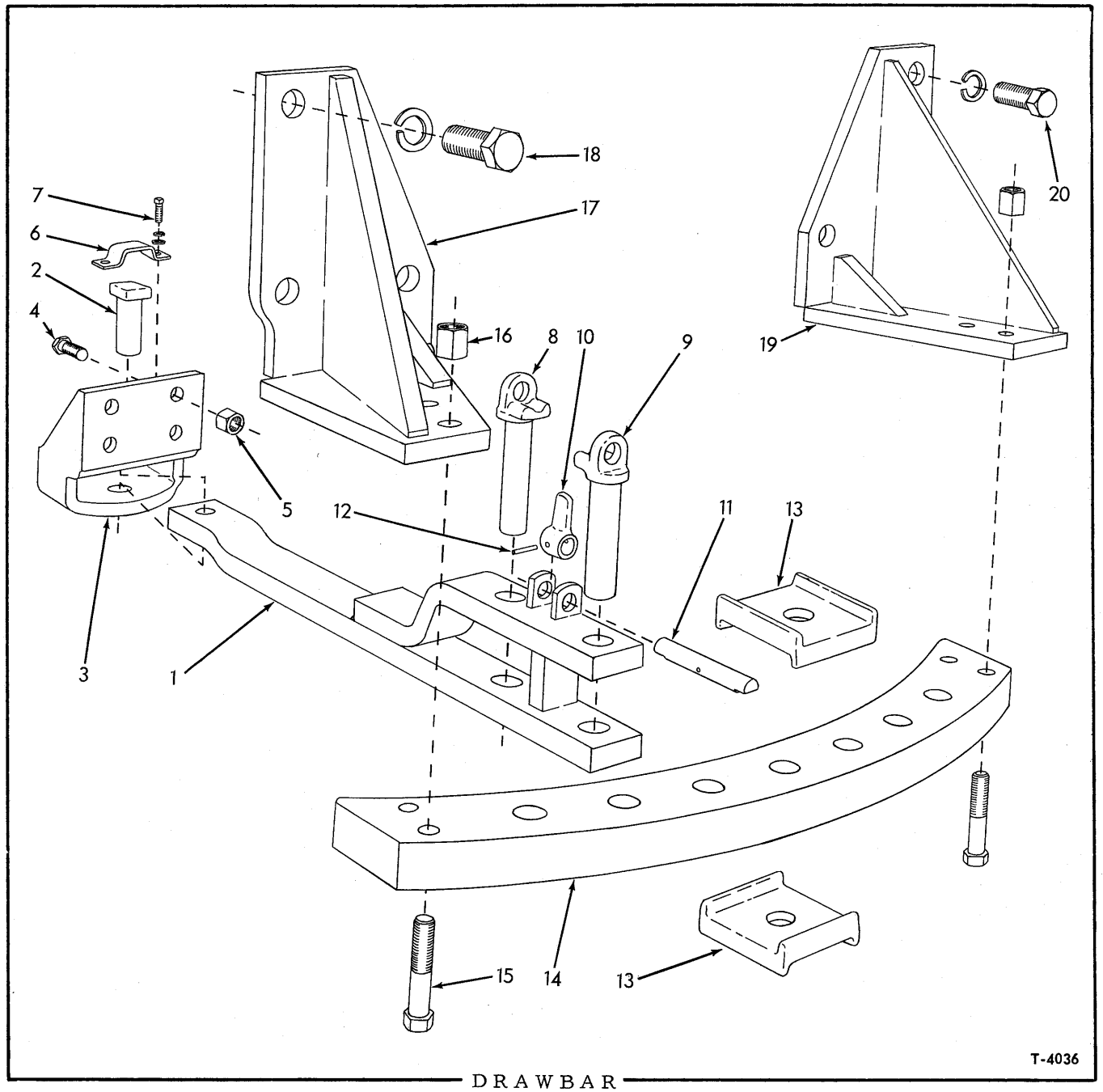
ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
12	70085042	1	-	PIPE, cable conducting (For tractors equipped with cable dozer using rear-mounted control unit)
13	70641474	4	-	U-BOLT, supporting, cable conducting pipe
	70911041	8	-	NUT, 3/8"NF
	70904206	8	-	LOCKWASHER, 3/8"
	70911115	8	-	WASHER, plain, SAE std., 3/8"



REAR FENDERS

USAGE: Models HD16FC, GC

ITEM	PART NO.	QTY.	DESCRIPTION	
1	70087555	1	FENDER, left	
2	70012453	4	CAPSCREW, 3/4"NF x 2"	
3	70061689	4	WASHER, plain	
	70904369	4	LOCKWASHER, 3/4"	
4	70035068	1	CAPSCREW, 1/2"NF x 2-1/4"	Used prior to tractor #5154
5	70064531	1	WASHER, plain	
	70904208	1	LOCKWASHER, 1/2"	
	70911043	1	NUT, 1/2"NF	
6	70623936	1	FENDER, right	
7	70012453	4	CAPSCREW, 3/4"NF x 2"	
8	70061689	4	WASHER, plain	
	70904369	4	LOCKWASHER, 3/4"	
9	70035068	1	CAPSCREW, 1/2"NF x 2-1/4"	Used prior to tractor #5154
10	70064531	1	WASHER, plain	
	70904208	1	LOCKWASHER, 1/2"	
	70911043	1	NUT, 1/2"NF	



DRAWBAR

ITEM	PART NUMBER	QTY.	DESCRIPTION
1	70058994	1	DRAWBAR
2	70080669	1	PIN, hinge
3	70059017	1	BRACKET, hinge pin
4	70035420	4	CAPSCREW, 1"NF x 3-1/4"
5	70600236	4	NUT, high, 1"NF

(Continued)

ITEM	PART NUMBER	QTY.	DESCRIPTION
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"
8	70059010	1	PIN, drawbar locking
9	70059007	1	PIN, drawbar coupling
10	70051352	1	ARM, locking, drawbar pins
11	70078866	1	SHAFT, drawbar pin locking arm
12	70915504	1	PIN, roll, 5/16" x 1-3/4"
13	70059012	2	SHOE, wear
14	70064908	1	PLATE, supporting
15	70038203	4	CAPSCREW, 1"NF x 4-1/2"
16	70600236	4	NUT, high, 1"NF
17	70064905	1	BRACKET, supporting plate, left
18	70066794	3	CAPSCREW, 1-1/4"NF x 3-1/4"
	70904210	3	LOCKWASHER, 1-1/4"
19	70064906	1	BRACKET, supporting plate, right
20	70066794	3	CAPSCREW, 1-1/4"NF x 3-1/4"
	70904210	3	LOCKWASHER, 1-1/4"

* Tractors without torque converter
** Tractors with torque converter

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
				NOTE: Approximately 5 gallons paint required for spraying
1	70921094	-	-	ENAMEL, persian orange, quart can
	70925109	-	-	ENAMEL, A-C yellow, quart can
2	70921093	-	-	ENAMEL, persian orange, gallon can
	70925110	-	-	ENAMEL, A-C yellow, gallon can
3	70922985	-	-	ENAMEL, A-C yellow, 5-gallon can
4	70921092	-	-	ENAMEL, persian orange, 12 oz. pressurized spray-type can
	70925108	-	-	ENAMEL, A-C yellow, 12 oz. pressurized spray-type can
				NOTE: All plates and transfers listed below are English language printings unless otherwise indicated
5	70620594	1	-	PLATE, tractor lubrication and service guide (7" x 10") (Used prior to tractor #5154) — Attached to left battery box on HD16A, AC, DC, FC and to shovel frame on HD16GC
	70623887	1	-	PLATE, tractor lubrication and service guide (7" x 10") (Effective with tractor #5154)
	70620595	-	1	PLATE, tractor lubrication and service guide (7" x 10") (Used prior to tractor #5154 excluding #5104)
	70623888	-	1	PLATE, tractor lubrication and service guide (7" x 10") (Effective with tractor #5154 including #5104)
	70620105	1	1	PLATE, tractor lubrication and service guide (7" x 10", multi-language)(Used prior to tractor #5154 excluding #5104)
	70624263	1	1	PLATE, tractor lubrication and service guide (7" x 10", multi-language)(Effective with tractor #5154) including #5104)
	70034076	4	4	SCREW, thd-cutting, cross-recessed-hd.,#8 x 1/2"
6	70620596	-	1	PLATE, shovel lubrication and service guide (5" x 7")(Attached to left side of shovel frame on Model HD16GC)
	70621748	-	1	PLATE, shovel lubrication and service guide (6-1/2" x 7", multi-language)(Attached to left side of shovel frame on Model HD16GC)
	70034076	-	4	SCREW, thd-cutting, cross-recessed-hd., #8 x 1/2"
7	70059698	1	-	PLATE, gear shift position (2-5/8" x 3-1/2")(Attached to cowl)
	70077888	-	1	PLATE, gear shift position (2-5/8" x 3-1/2")(Attached to cowl)
	70034076	4	4	SCREW, thd-cutting, cross-recessed-hd., #8 x 1/2"

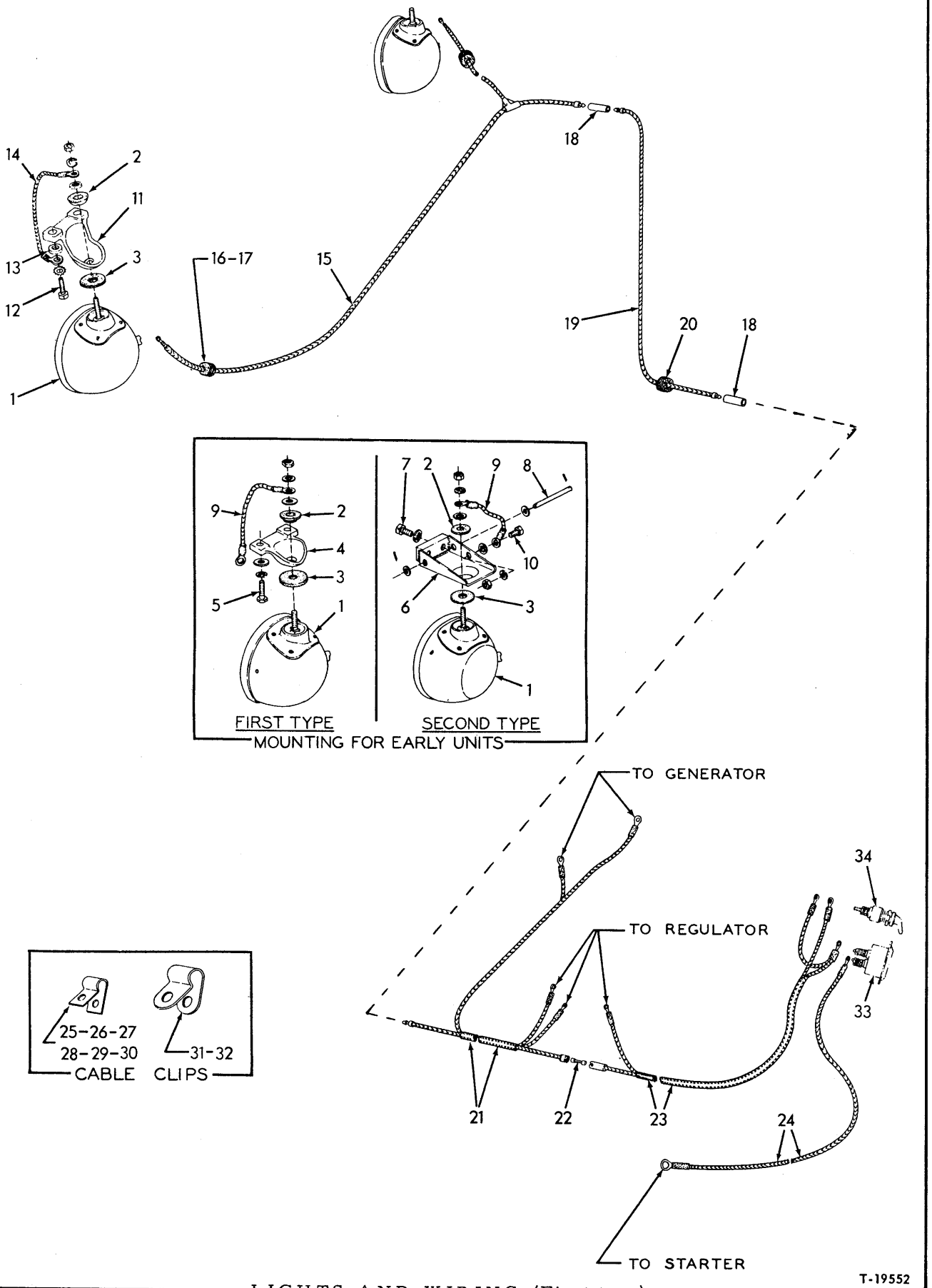
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ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
8	70074142	-	1	PLATE, identification, lubrication fitting (1-1/8" x 4")(Attached to cowl)
	70034076	-	2	SCREW, thd-cutting, cross-recessed-hd., #8 x 1/2"
9	70088721	1	1	PLATE ASSEMBLY, instruction, injection pump lubrication (Consists of item 10 and mounting bracket. Attached to injection pump on tractors prior to #4001)
10	70088709	1	1	PLATE, instruction, injection pump lubrication (1-1/2" x 2-3/4") (Used prior to tractor #4001)
	70908386	2	2	SCREW, thread-cutting, #2 x 3/16"
11	70095354	1	1	PLATE, instruction, brake adjustment (6" x 6-1/2", pressure-sensitive type)(Applied to rear of fuel tank prior to tractor #4560, excluding #4253, 4260, 4364, 4369, 4385, 4390, 4396, 4397, 4403, 4421, 4426, 4427, 4432, 4439, 4445, 4450, 4474, 4475, 4480, 4481, 4486, 4487, 4492, 4498, 4501, 4505, 4507, 4508, 4516, 4524, 4525, 4530, 4534, 4540, 4541, 4542, 4545, 4546, 4547, 4548, 4550, 4551, 4552, 4554, 4555, 4557, 4559)
	70099293	1	1	PLATE, instruction, brake adjustment (6" x 6-1/2", pressure sensitive type)(Applied to rear of fuel tank on tractors #4560 thru #5153, including #4253, 4260, 4364, 4369, 4385, 4390, 4396, 4397, 4403, 4421, 4426, 4427, 4432, 4439, 4445, 4450, 4474, 4475, 4480, 4481, 4486, 4487, 4492, 4498, 4501, 4505, 4507, 4508, 4516, 4524, 4525, 4530, 4534, 4540, 4541, 4542, 4545, 4546, 4547, 4548, 4550, 4551, 4552, 4554, 4555, 4557, 4559 but excluding #5104)
12	70629205	1	1	TRANSFER, warning, power steering and brakes (1-3/4" x 3-1/2", pressure-sensitive type)(Applied to dash effective with tractor #5154, including #5104)
13	70631293	1	1	TRANSFER, instruction, engine operation (2-1/4" x 4-1/2", pressure-sensitive type)(Applied to dash)
14	70621357	1	1	TRANSFER, lubrication certification (3-7/8" x 6-3/4", pressure-sensitive type)(Applied to dash)
15	70632226	2	2	TRANSFER, instruction, steering system filter (1-3/4" x 2-1/4", pressure-sensitive type)(Applied to Filter Assembly 631542 only)
16	70621341	-	1	TRANSFER, instruction, engine clutch adjustment (2-3/4" x 4", pressure-sensitive type)(Applied to clutch inspection plate)
17	70621337	1	1	TRANSFER, instruction, 1st stage fuel filter (1-3/4" x 2-1/4", pressure-sensitive type)(Applied to filter)
18	70621345	1	1	TRANSFER, instruction, 2nd stage fuel filter (1-3/4" x 2-1/4", pressure-sensitive type)(Applied to filter)
19	70621343	2	2	TRANSFER, instruction, oil filter (2-5/16" x 3-1/4", pressure-sensitive type)(Applied to engine oil filter)
20	70621399	1	1	TRANSFER, warning, special heavy-duty oil filter (Includes Portuguese translation, 2" x 10", pressure-sensitive type)(Applied to filter)
	70621400	1	1	TRANSFER, warning, special heavy-duty oil filter (French and Spanish translations, 2" x 10", pressure-sensitive type)(Applied to filter)

(Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
21	70079201	1	1	△TRANSFER, instruction, air cleaner (Applied to oil-bath air cleaner only)
22	70050838	1	1	TRANSFER, instruction, air pre-cleaner (Applied to air pre-cleaner)
	70074577	1	1	△TRANSFER, instruction, air pre-cleaner (Spanish translation, 1-5/8" x 4")(Applied to air pre-cleaner)
23	70621342	1	1	TRANSFER, instruction, engine primer (1-3/4" x 6", pressure sensitive type)(Applied to air cleaner)
24	70621338	1	1	TRANSFER, instruction, air heater operation (2" x 6", pressure-sensitive type)(Applied to air cleaner)
	70074579	1	1	△TRANSFER, instruction, air heater operation (Spanish translation, 2" x 6")(Applied to air cleaner)
25	70040851	3	3	TRANSFER, "ALLIS-CHALMERS" (2-1/2" x 19-1/4")
26	70068832	2	2	TRANSFER, "ALLIS-CHALMERS" (3-3/4" x 30-1/4")(Applied to sides of hood on early units)
27	70634330	3	3	TRANSFER, "ALLIS-CHALMERS" (1-3/4" x 39", pressure-sensitive type)(Applied to sides of hood and to rear of fuel tank)
	70634376	2	2	TRANSFER, "ALLIS-CHALMERS" (1-1/8" x 20", pressure-sensitive type)(Applied to sides of seat)
28	70623501	2	2	TRANSFER, "HD16" (eliptical, pressure-sensitive type)(Applied to sides of battery boxes)
29	70623504	-	3	△TRANSFER, "HD16G" (11-5/16" x 12-1/8")(Applied to side of battery box, to oil reservoir and to rear of fuel tank)
30	70623503	-	2	TRANSFER, "TORQUE CONVERTER" design (pressure-sensitive type)(Applied to side of battery boxes; also to oil reservoir on HD16GC)
31	70622015	1	1	TRANSFER KIT (Consists of one each TRANSFER 70050838, 70079201, 70621337, 70621342. 70621345; two each TRANSFERS 70621343, 70623501, 70623503, 70634376; three TRANSFERS 70634330)
32	70067937	-	-	CEMENT, transfer application, 1/2 pint jar (Makes solution by adding 4 parts water. Required to apply transfers indicated by triangle (△) above)

△Indicates permanent-type transfer. See item 32



LIGHTS AND WIRING (First type)

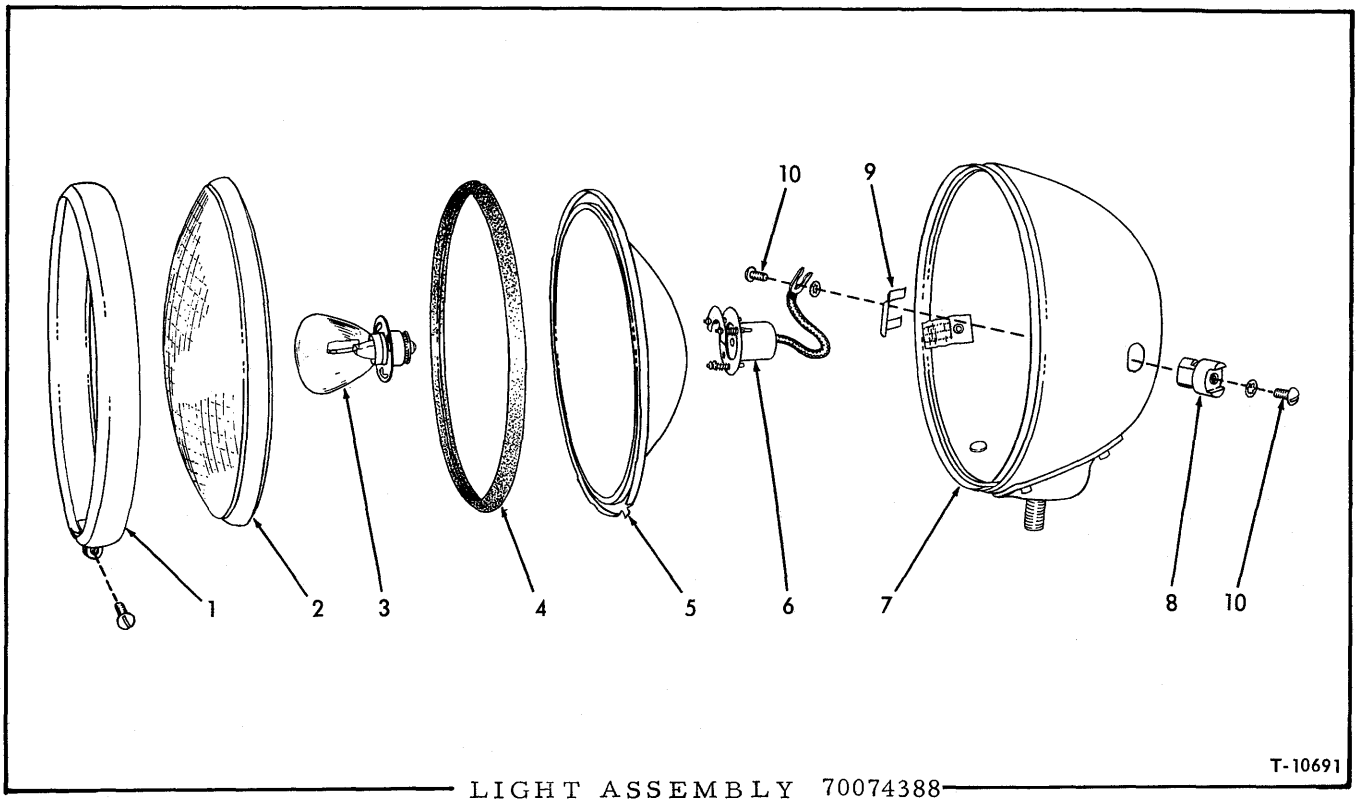
USAGE: Tractors prior to serial No. 4001

* Used prior to approx. tractor serial No. 2717
** Effective with approx. tractor serial No. 2717

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70074388	2	2	LIGHT ASSEMBLY, head (See page 539 for parts)(Original equipment. Order 1 each LIGHT ASSY. 70638283, WASHER 70075535, WASHER 70900818, LOCKWASHER 70904208 and NUT 70911043)
	70900817	2	2	WASHER, plain, U.S. std., 3/8"
	70904206	2	2	LOCKWASHER, 3/8"
	70911026	2	2	NUT, 3/8"NC
	70097030	2	2	LIGHT ASSEMBLY, head (See page 543 for parts)(Service replacement. Order LIGHT ASSEMBLY 70638283)
	70900818	2	2	WASHER, plain, U.S. std., 1/2"
	70904208	2	2	LOCKWASHER, 1/2"
	70911043	2	2	NUT, 1/2"NF
2	70075854	2	2	WASHER, head light mounting, upper
3	70075853	2	2	WASHER, head light mounting, lower
4	70075429	2	-	BRACKET, head light mounting (Used prior to tractor #1628)
5	70012992	4	-	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	4	-	LOCKWASHER, 3/8"
	70900817	4	-	WASHER, plain, U.S. std., 3/8"
				NOTE: Items 6 thru 8 and item 10 comprise the SWINGOUT TYPE HEADLIGHT MOUNTING used on tractors #1628 thru #2716.
6	70089152	2	-	BRACKET, headlight mounting
7	70036034	4	-	CAPSCREW, 3/8"NF x 1"
	70906960	4	-	LOCKWASHER, internal teeth, 3/8"
8	70089147	2	-	PIN, hinge, mounting bracket
	70910335	4	-	WASHER, plain, SAE std., 5/16"
	70904001	4	-	PIN, cotter, 3/32" x 1/2"
9	70077279	2	-	CABLE, head light ground
10	70035979	2	-	CAPSCREW, 3/8"NF x 5/8"
	70906960	2	-	LOCKWASHER, internal teeth, 3/8"
	70904206	2	-	LOCKWASHER, 3/8"
	70911041	2	-	NUT, 3/8"NF
11	70093195	-	2	BRACKET, head light mounting
12	70035336	-	4	CAPSCREW, 3/8"NF x 1-3/4"
	70912301	-	4	LOCKWASHER, external teeth, 3/8"
13	70044973	-	4	WASHER, plain
14	70093176	-	2	CABLE, head light ground
15	70083284	1	-	CABLE, head lights
	70093196	-	1	CABLE, head lights, upper section
16	70083683	-	2	GROMMET, head light cable (1/2" hole)
17	70044810	-	2	GROMMET, head light cable (3/8" hole)
				NOTE: Items 16 and 17 are required only when head lights are optionally mounted on top of the radiator guard.

(Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
18	70048142	1	2	CONNECTOR, head light cable
19	70639067	-	1	CABLE, head lights, lower section
20	70044810	1	1	GROMMET, head light cable (Not used on Model HD16GC)
21	70083493	1	1	HARNESS, wiring, front section
22	70208960	1	1	FUSE, cartridge type, 1/4" x 1-1/4", 20 amperes
23	70083492	1	1	HARNESS, wiring, rear section
24	70083484	1	1	CABLE, ammeter to starter
25	70066260	2	2	CLIP, ammeter cable (1/8" diam., 13/32" bolt-hole)(Not used on Model HD16GC, effective with tractor #2717)
	70035979	1	1	CAPSCREW, 3/8"NF x 5/8"
	70036032	1	1	CAPSCREW, 3/8"NF x 3/4"
	70904206	2	2	LOCKWASHER, 3/8"
	70911041	1	1	NUT, 3/8"NF
	70073809	-	1	CLIP, ammeter cable (3/16" diam., 13/32" bolt-hole) (Used on Model HD16GC only)
26	70223502	2	-	CLIP, ammeter cable (3/16" diam., 17/32" bolt-hole)(Not used on Model HD16FC or HD16GC)
27	70235794	8	10	CLIP, head light cables (1/4" diam., 13/32" bolt-hole)(2 less used on Model HD16GC, effective with tractor #2717)
	70035979	1	1	CAPSCREW, 3/8"NF x 5/8"
	70904206	1	1	LOCKWASHER, 3/8"
28	70040796	2	-	CLIP, front wiring harness (3/8" diam., 13/32" bolt-hole)
	70036032	1	-	CAPSCREW, 3/8"NF x 3/4"
	70904206	1	-	LOCKWASHER, 3/8"
29	70052917	2	-	CLIP, rear wiring harness (3/8" diam., 1/2" bolt-hole)(1 used on Model HD16GC)
	70035718	1	-	CAPSCREW, 1/2"NC x 3/4"
	70904208	1	-	LOCKWASHER, 1/2"
	70043030	1	-	CLIP, rear wiring harness (3/8" diam., 9/16" bolt-hole)(Used on Model HD16GC only)
30	70034632	-	3	CLIP, wiring harness (5/16" diam., 13/32" bolt-hole)(2 additional used on Model HD16GC)
	70036032	-	1	CAPSCREW, 3/8"NF x 3/4"
	70912742	-	1	CAPSCREW, 3/8"NF x 1/2"
	70904206	-	2	LOCKWASHER, 3/8"
31	70048164	-	1	CLIP, wiring harness (5/16" diam., 17/32" bolt-hole)
32	70091046	2	2	CLIP, wiring harness (1/2" diam., 7/16" bolt-hole)(Not used on Model HD16GC)
	70035979	1	1	CAPSCREW, 3/8"NF x 5/8"
	70036032	1	1	CAPSCREW, 3/8"NF x 3/4"
	70904206	2	2	LOCKWASHER, 3/8"
	70911041	1	1	NUT, 3/8"NF
33	------	1	1	AMMETER (See INSTRUMENTS)
34	------	1	1	SWITCH, lights (See INSTRUMENTS)

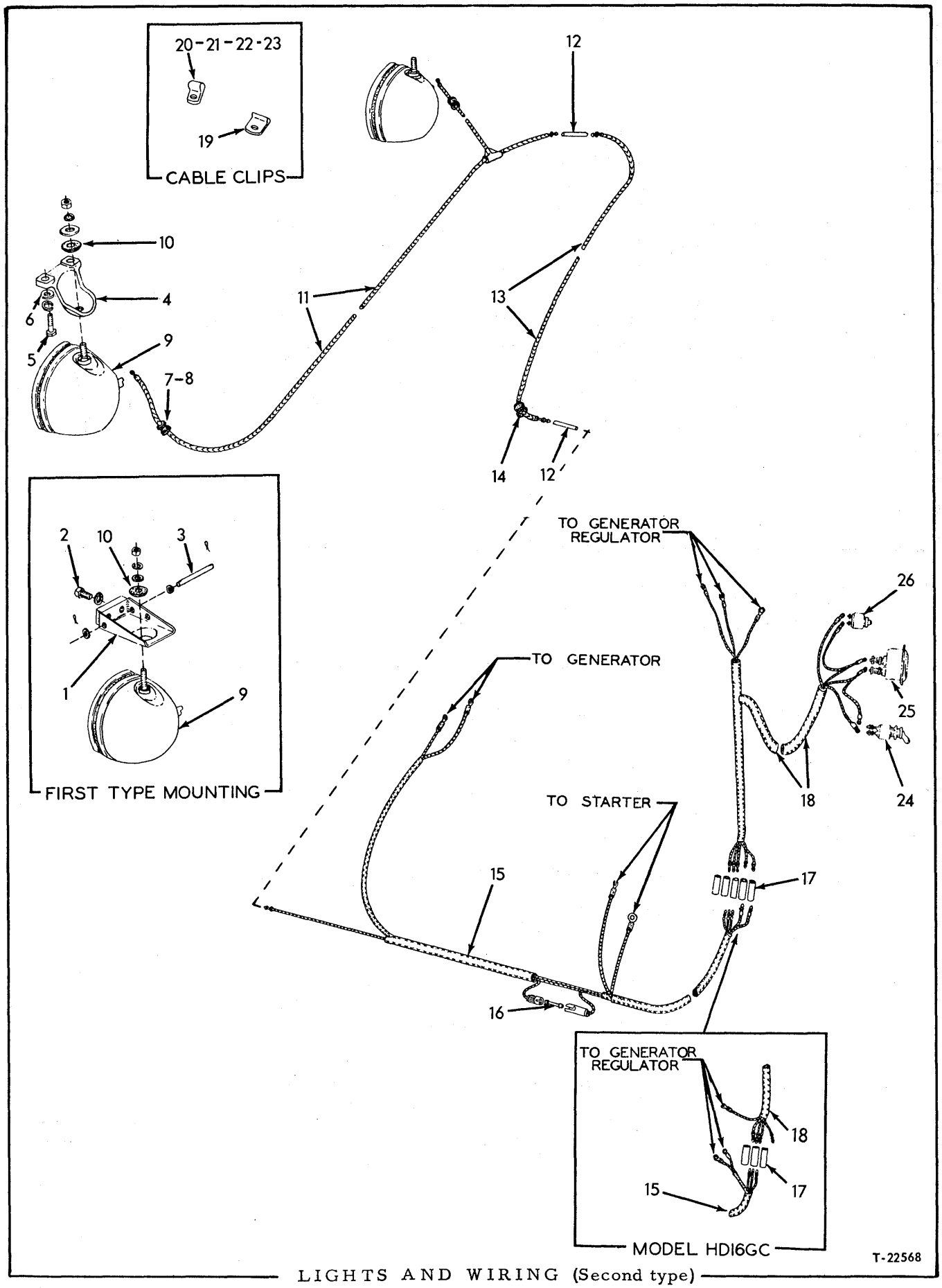


LIGHT ASSEMBLY 70074388

USAGE: See pages 537 and 578

ITEM	PART NO.	QTY.	DESCRIPTION
			NOTE: Quantities indicated are for one (1) light only.
1	70058827	1	MOLDING
	70915872	1	SCREW, machine, brass, #8-32NC x 5/8"
2	------	1	LENS (glass)
3	70074387	1	BULB (Single contact, 32 c.p., 24 volt)
4	70058828	1	GASKET, lens
5	------	1	REFLECTOR ASSEMBLY (Includes item 4)
6	70058831	1	WIRING ASSEMBLY (Includes socket)
7	------	1	BODY
8	70055589	1	TERMINAL KIT (Includes items 9 and 10)
9	70048922	1	SPRING, retaining, terminal bushing
10	70034076	2	SCREW, terminal
	70912739	2	LOCKWASHER, internal teeth, #8

NOTE: Items listed above without part number are no longer available. Replace entire unit with sealed-beam Light Assembly 70638283



LIGHTS AND WIRING (Second type)

USAGE: Tractors serial No. 4001 and up

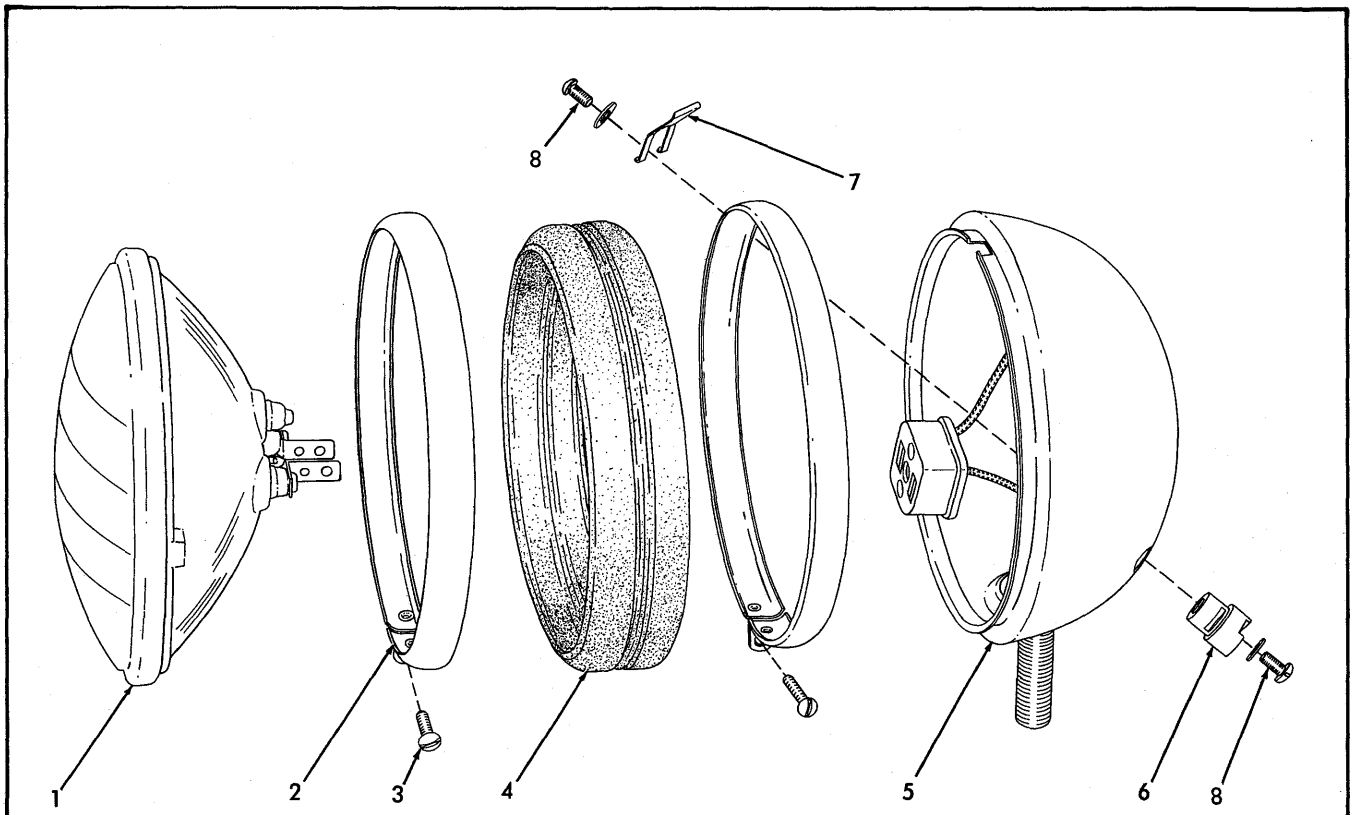
* All Models except HD16GC
** Model HD16GC only

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
				NOTE: Items 1 thru 3 comprise the SWING-OUT TYPE HEAD LIGHT MOUNTING used on a limited number of early units equipped with Radiator Guard for hydraulic dozer.
1	70089152	2	-	BRACKET, head light mounting
2	70036034	4	-	CAPSCREW, 3/8"NF x 1"
	70906960	4	-	LOCKWASHER, internal teeth, 3/8"
3	70089147	2	-	PIN, hinge, mounting bracket
	70910335	4	-	WASHER, plain, SAE std., 5/16"
	70904001	4	-	PIN, cotter, 3/32" x 1/2"
				NOTE: Items 4 thru 8 comprise the standard head light mounting. These parts were not used on units equipped with items 1 thru 3.
4	70093195	2	2	BRACKET, head light mounting
5	70035336	4	4	CAPSCREW, 3/8"NF x 1-3/4"
	70904206	4	4	LOCKWASHER, 3/8"
6	70044973	4	4	WASHER, plain
7	70083683	2	-	GROMMET, head light cable (1/2" hole)
8	70044810	2	-	GROMMET, head light cable (3/8" hole)
				NOTE: Items 7 and 8 are required only when head lights are optionally mounted on top of the radiator guard.
9	70097030	2	2	LIGHT ASSEMBLY, head (See page 543 for parts)(Original equipment. Order LIGHT ASSEMBLY 70638283)
	70638283	2	2	LIGHT ASSEMBLY, head (See page 544 for parts)(Service replacement)
	70900818	2	2	WASHER, plain, U.S. std., 1/2"
	70904208	2	2	LOCKWASHER, 1/2"
	70911043	2	2	NUT, 1/2"NF
10	70075535	2	2	WASHER, head light mounting
11	70093196	1	1	CABLE, head light, upper section
12	70048142	2	2	CONNECTOR, head light cables
13	70639067	1	1	CABLE, head light, lower section
14	70044810	1	-	GROMMET, head light cable
15	70097503	1	-	HARNESS, wiring, front section
	70097744	-	1	HARNESS, wiring, front section
16	70208960	1	1	FUSE, cartridge type, 1/4" x 1-1/4", 20 amperes

(Continued)

LIGHTS AND WIRING (Continued)

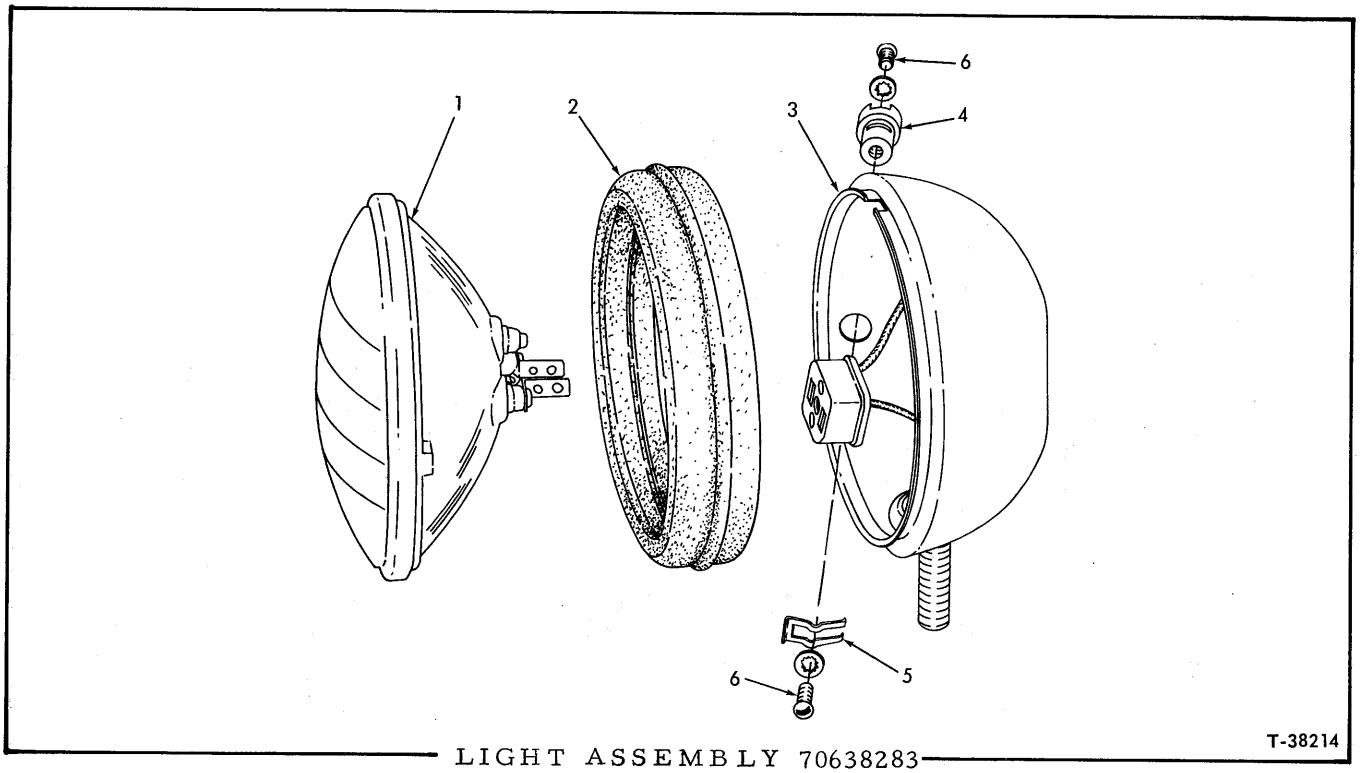
ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
17	70048142	5	3	CONNECTOR, wiring harness (1-line)
18	70097493	1	-	HARNESS, wiring, rear section
	70640710	-	1	HARNESS, wiring, rear section
19	70235794	9	8	CLIP, head light cables (1/4" diam., 13/32" bolt-hole)
	70903628	1	-	CAPSCREW, 3/8"NC x 5/8"
	70904206	1	-	LOCKWASHER, 3/8"
20	70052917	1	1	CLIP, front wiring harness (3/8" diam., 1/2" bolt-hole)
	70035221	1	1	CAPSCREW, 1/2"NC x 1"
	70904208	1	1	LOCKWASHER, 1/2"
21	70034632	3	3	CLIP, wiring harness (5/16" diam., 13/32" bolt-hole)
	70036032	2	-	CAPSCREW, 3/8"NF x 3/4"
	70904206	2	-	LOCKWASHER, 3/8"
22	70040796	2	1	CLIP, wiring harness (3/8" diam., 13/32" bolt-hole)
	70036032	1	1	CAPSCREW, 3/8"NF x 3/4"
	70904206	1	1	LOCKWASHER, 3/8"
	70911115	1	1	WASHER, plain, SAE std., 3/8"
23	70048145	1	1	CLIP, front wiring harness (1/2" diam., 17/32" bolt-hole)
	70035221	1	1	CAPSCREW, 1/2"NC x 1"
	70904208	1	1	LOCKWASHER, 1/2"
24	------	-	-	SWITCH, lights (See INSTRUMENTS)
25	------	-	-	AMMETER (See INSTRUMENTS)
26	------	-	-	SWITCH, starter (See INSTRUMENTS)



LIGHT ASSEMBLY 70097030

USAGE: See pages 537, 541 and 578

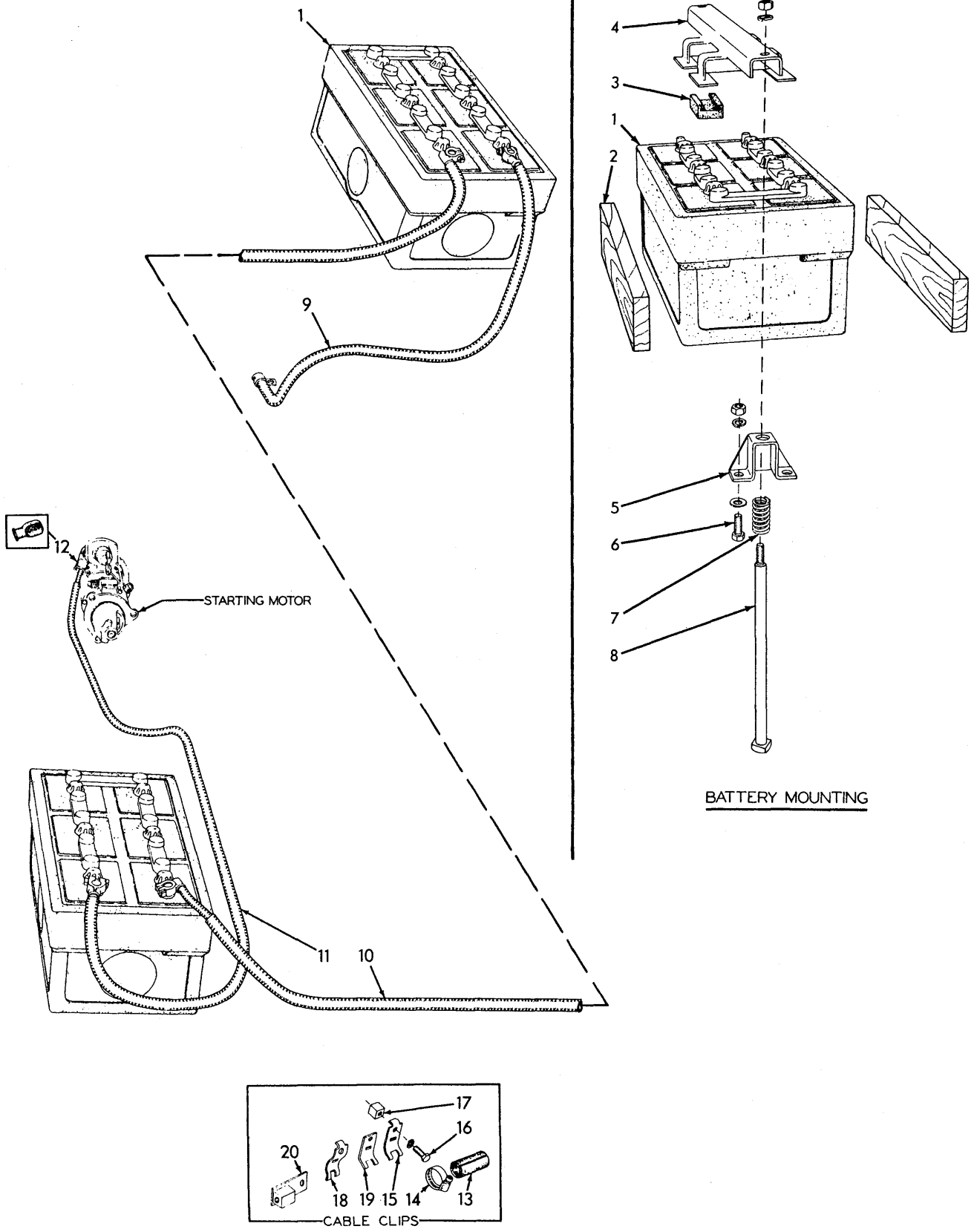
ITEM	PART NO.	QTY.	DESCRIPTION
			NOTE: Quantities indicated are for one (1) light only
1	70182763	1	SEALED BEAM (24 volt)
2	70097046	2	MOLDING
3	70622729	2	SCREW, molding
4	70097048	1	RING, cushion
5	------	1	BODY ASSEMBLY (Includes wiring. Not serviced separately)
6	70055589	1	TERMINAL KIT (Includes items 7 and 8)
7	70048922	1	SPRING, retaining, terminal bushing
8	70034076	2	SCREW, terminal
	70912739	2	LOCKWASHER, internal teeth, #8



LIGHT ASSEMBLY 70638283

USAGE: See pages 541 and 578

ITEM	PART NO.	QTY.	DESCRIPTION
			NOTE: Quantities indicated below are for one (1) light only
1	70182763	1	SEALED BEAM (24 volt)
2	70638282	1	RING, retaining (rubber)
3	------	1	BODY ASSEMBLY (Includes wiring. Not serviced separately)
4	70055589	1	TERMINAL KIT (Includes items 5 and 6)
5	70048922	1	SPRING, retaining, terminal bushing
6	70034076	2	SCREW, terminal
	70912739	2	LOCKWASHER, internal teeth, #8



BATTERIES AND CABLES (First type)

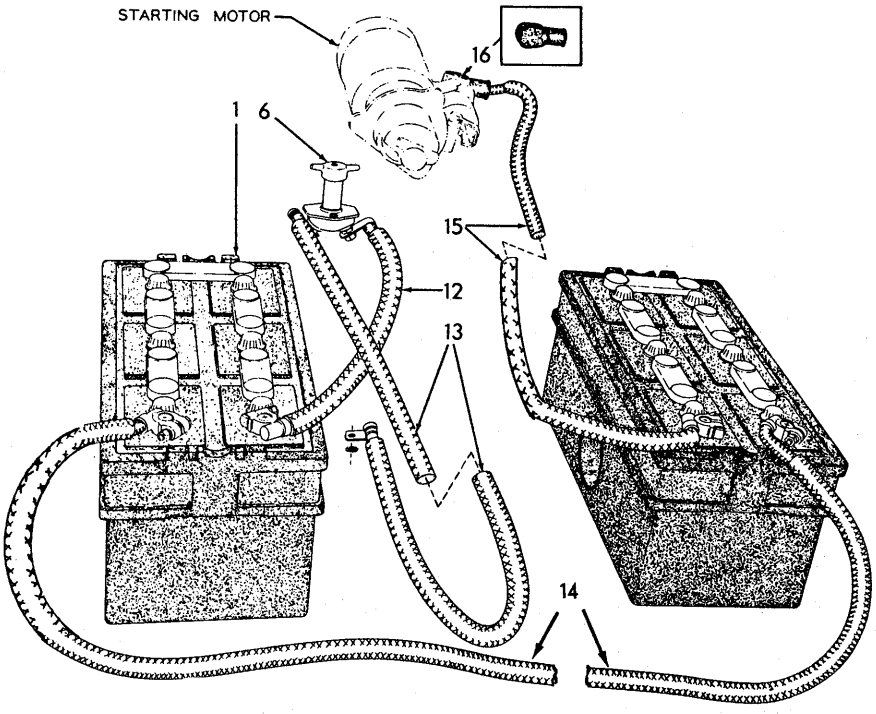
T-11254

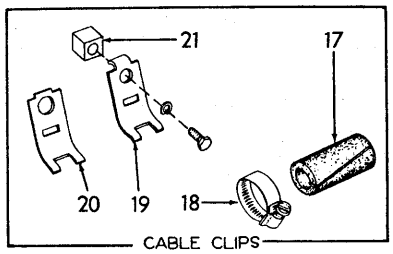
BATTERIES AND CABLES

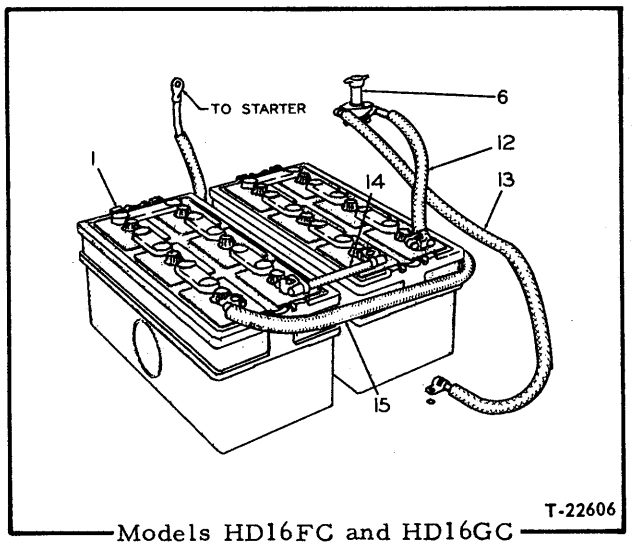
USAGE: Tractors prior to serial No. 4001

* Models HD16A, AC, D, DC
** Models HD16FC, GC

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	------	2	2	BATTERY, storage, 12 volts, 21 plates (AUTOLITE #6DA-172. Was formerly #6D-168. Order from local dealer)
2	------	-	-	BOARD, battery spacing (Procure locally as req'd)
3	70052791	8	8	BLOCK, hold-down (rubber)
4	70052782	2	2	HOLD-DOWN, battery
5	70081867	4	4	BRACKET, hold-down bolt
6	70035236	8	8	CAPSCREW, 1/2"NC x 1-3/4"
	70064531	8	8	WASHER, plain
	70904208	8	8	LOCKWASHER, 1/2"
	70911028	8	8	NUT, 1/2"NC (4 used on Model HD16FC)
7	70081404	4	4	SPRING, hold-down bolt
8	70075322	4	4	BOLT, hold-down (15" long)(Used prior to tractor #2990 on Models HD16A, AC, D, DC; also prior to tractor #2968 on Models HD16FC, GC)
	70096111	4	4	BOLT, hold-down (12-3/4" long)(Effective with tractor #2990 on Models HD16A, AC, D, DC; also effective with tractor #2968 on Models HD16FC, GC)
	70904208	4	4	LOCKWASHER, 1/2"
	70911043	4	4	NUT, 1/2"NF
9	70089641	1	1	CABLE, battery to ground (36" long)
10	70069743	1	-	CABLE, battery connecting (58-1/2" long)
	70089629	-	1	CABLE, battery connecting (6-3/4" long)
11	70089642	1	-	CABLE, battery to starter (112" long)
	70090548	-	1	CABLE, battery to starter (124" long)
12	70076572	1	1	BOOT, protecting, starter terminal
13	70076469	14	7	BOOT, cable protecting
14	70921912	14	7	CLAMP, hose (1-1/16" to 2" diam.)
15	70076470	8	4	CLIP, cable supporting
16	70036032	7	2	CAPSCREW, 3/8"NF x 3/4"
	70904206	7	2	LOCKWASHER, 3/8"
17	70068157	-	2	BLOCK, clip spacing (1 used on Model HD16FC)
18	70083042	2	-	CLIP, cable supporting
19	70084895	-	1	CLIP, cable supporting
20	70082916	1	1	BRACKET, cable supporting clip (Attached to engine rear supporting bracket)(Used prior to tractor #2508, excluding #2506)

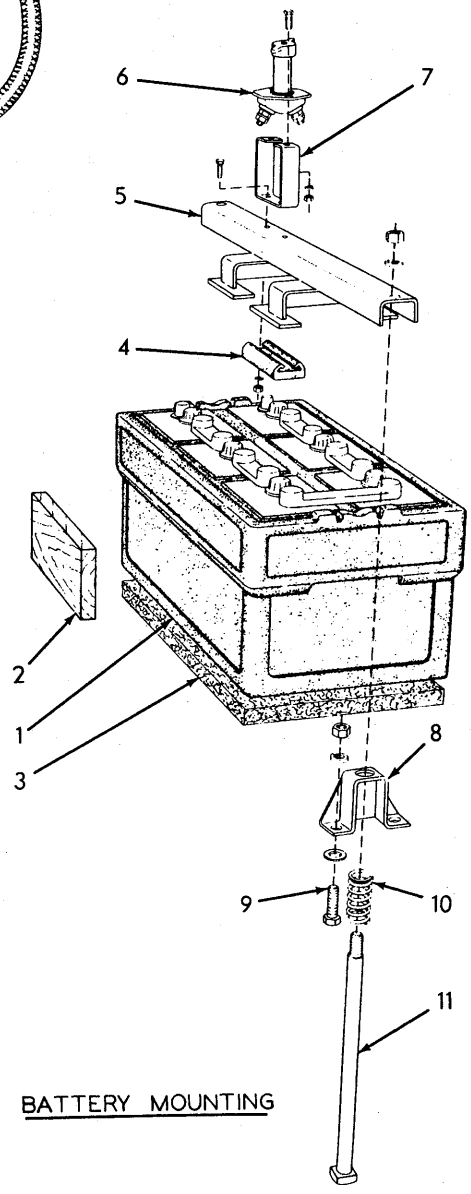






Models HD16FC and HD16GC

T-22579



BATTERY MOUNTING

T-22607

BATTERIES AND CABLES (Second type)

BATTERIES AND CABLES

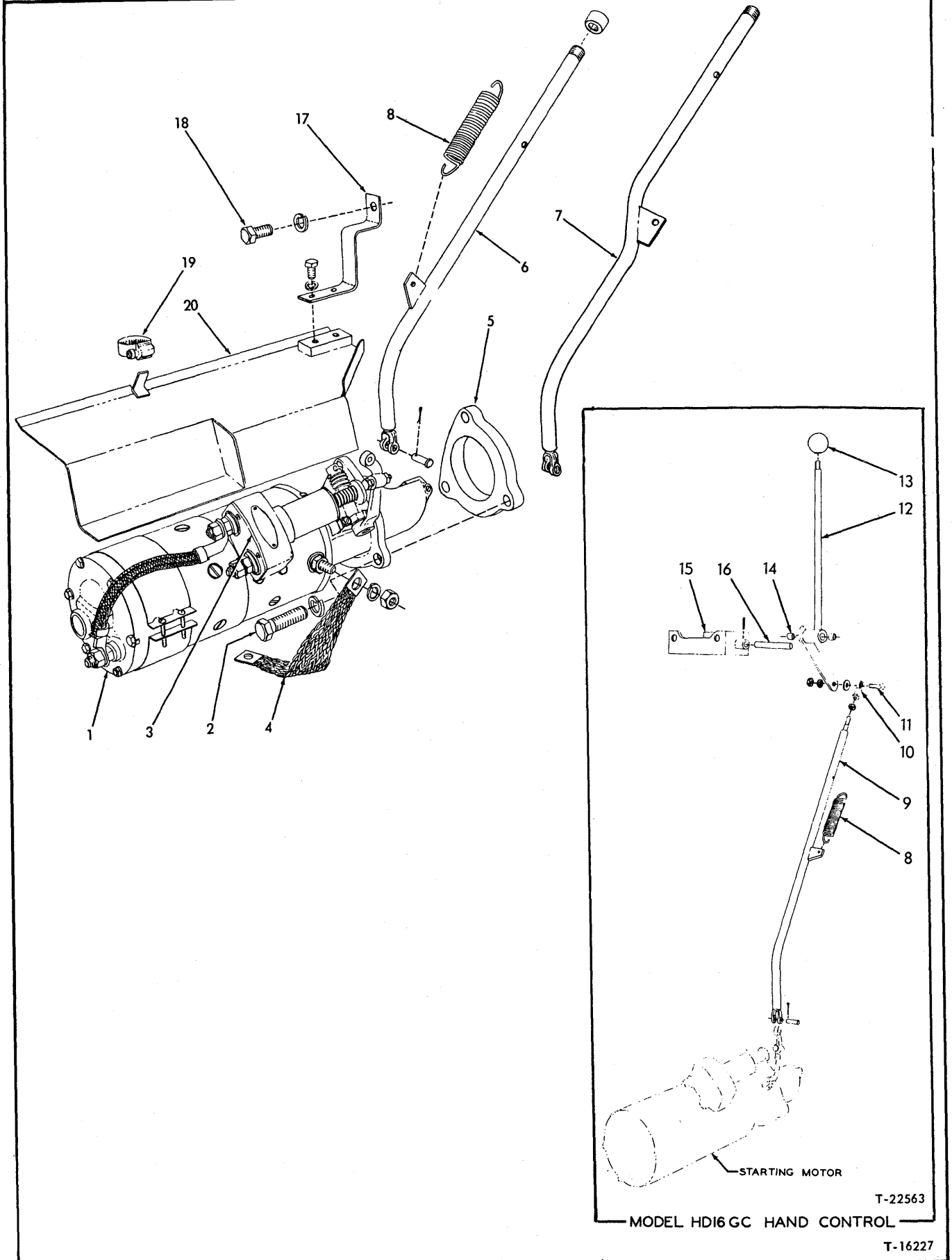
USAGE: Tractors serial No. 4001 and up

* Models HD16A, AC, D, DC
** Models HD16FC, GC

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	------	2	2	BATTERY, storage, 12 volts, 21 plates (AUTO-LITE #6DA-172. Order from local dealer)
2	------	-	-	BOARD, battery spacing (Procure locally as req'd)
3	70085680	2	2	PAD, battery (Effective with tractor #4730)
4	70052791	8	8	BLOCK, hold-down (rubber)
5	70052782	2	2	HOLD-DOWN, battery
6	70096908	1	1	SWITCH ASSEMBLY, master (Serviced only as a unit)
	70912789	2	2	CAPSCREW, 1/4"NF x 3/4"
	70904204	2	2	LOCKWASHER, 1/4"
	70911040	2	2	NUT, 1/4"NF
7	70096913	1	1	BRACKET, master switch
	70912789	2	2	CAPSCREW, 1/4"NF x 3/4"
	70904204	2	2	LOCKWASHER, 1/4"
	70911040	2	2	NUT, 1/4"NF
8	70081867	4	4	BRACKET, hold-down bolt
9	70035236	8	8	CAPSCREW, 1/2"NC x 1-3/4"
	70064531	-	8	WASHER, plain (1/4" thick)
	70904208	8	8	LOCKWASHER, 1/2"
	70911028	8	8	NUT, 1/2"NC
10	70081404	4	4	SPRING, hold-down bolt
11	70096111	4	4	BOLT, hold-down (12-3/4" long)(Used prior to tractor #5550)
	70087313	4	4	BOLT, hold-down (13-1/2" long)(Effective with tractor #5550)
	70904208	4	4	LOCKWASHER, 1/2"
	70911043	4	4	NUT, 1/2"NF
12	70096918	1	1	CABLE, battery to master switch (15-1/2" long)
13	70097063	1	1	CABLE, master switch to ground (49" long)
	70906961	1	1	LOCKWASHER, internal teeth, 1/2"
14	70632971	1	-	CABLE, battery connecting (72" long)
	70089629	-	1	CABLE, battery connecting (6-3/4" long)
15	70097666	1	-	CABLE, battery to starter (95" long)(Used prior to tractor #5154, excluding #5104)
	70623880	1	-	CABLE, battery to starter (102" long)(Effective with tractor #5154, including #5104)
	70089654	-	1	CABLE, battery to starter (146" long)
16	70076572	1	1	BOOT, protecting, starter terminal

(Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION	
17	70076469	13	8	BOOT, cable protecting	1 less used on Models HD16A,AC,D,DC prior to tractor #5154, excl. 5104
18	70921912	14	9	CLAMP, hose, 1-1/16" to 2" diam.	
19	70633653	3	4	CLIP, cable supporting	
	70036032	3	3	CAPSCREW, 3/8"NF x 3/4"	
	70904206	3	3	LOCKWASHER, 3/8"	
20	70084895	6	2	CLIP, cable supporting	
	70036034	2	-	CAPSCREW, 3/8"NF x 1-1/4"	
	70904206	2	-	LOCKWASHER, 3/8"	
	70911115	2	1	WASHER, plain, SAE std., 3/8"	
21	70068157	-	1	BLOCK, clip spacing	



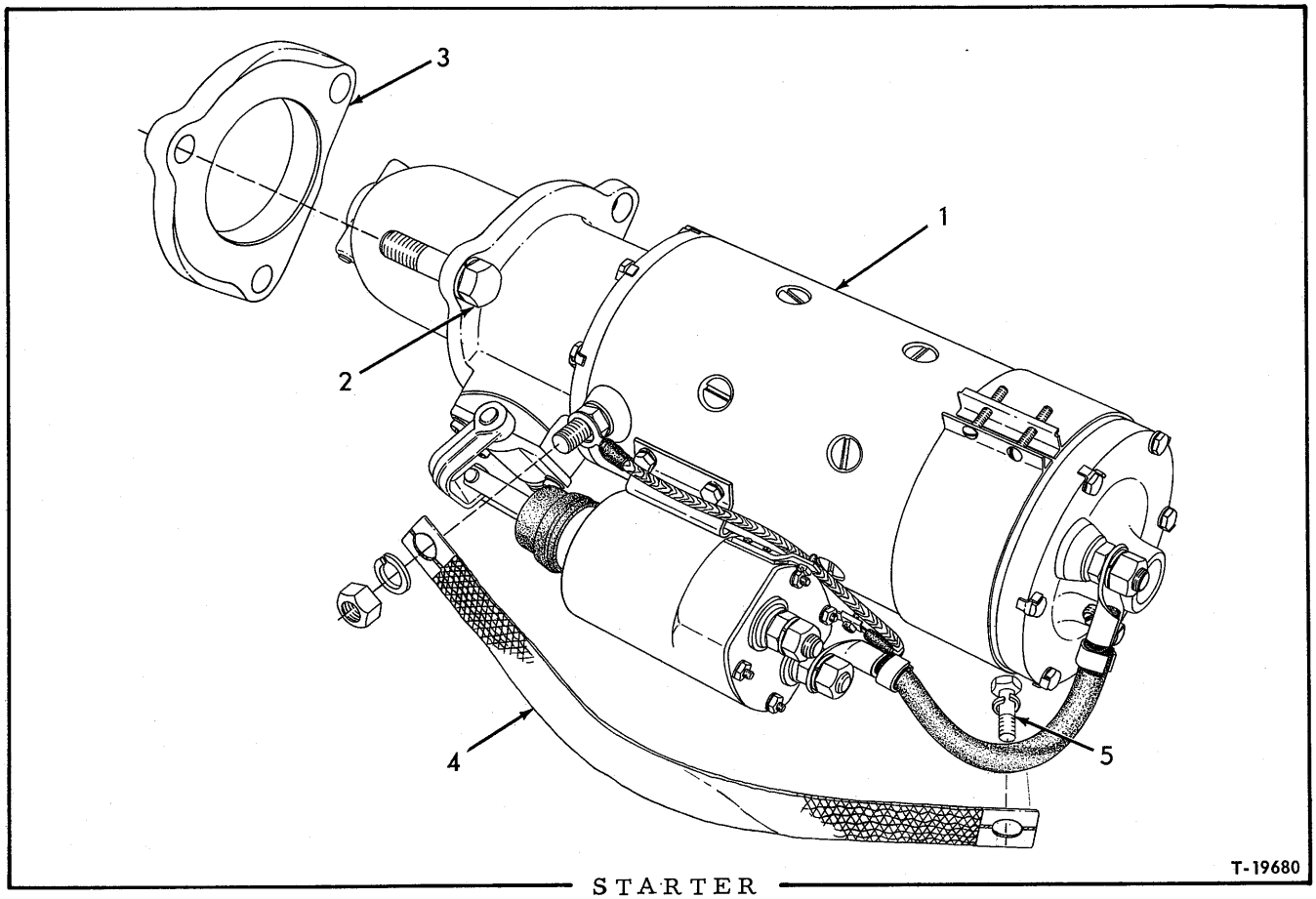
STARTER (First type)

STARTER

USAGE: Tractors prior to serial No. 4001

* All models except HD16GC.
** Model HD16GC tractors prior to serial No. 3067.
*** Model HD16GC tractors effective with serial No. 3067.

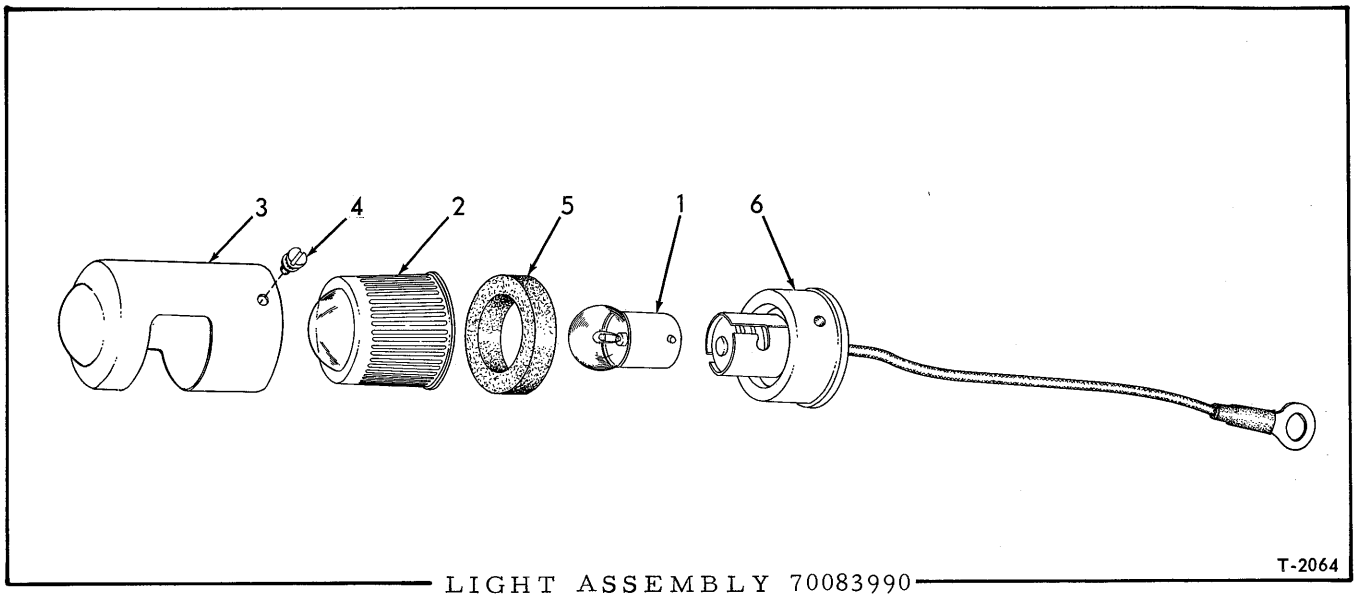
ITEM	PART NO.	QUANTITY *	**	***	DESCRIPTION
1	70081600	1	1	1	MOTOR, starting (Delco-Remy #000888. Order parts from local United Motors Service dealer) (Includes item 3)
2	70023755	3	3	3	CAPSCREW, 5/8"NC x 2-1/4"
	70904209	3	3	3	LOCKWASHER, 5/8"
3	70095312	1	1	1	SWITCH, starting motor (Delco-Remy #1996453. Order parts from local United Motors Service dealer)
4	70082178	1	1	1	STRAP, starter to ground
5	74304902	1	1	1	ADAPTER, starting motor
6	70085783	1	-	-	ROD, starter operating
	70901752	1	-	-	CAP, pipe, 3/8"NPT
	70627451	1	-	-	PIN, yoke, 5/16" diam.
	70904001	1	-	-	PIN, cotter, 3/32" x 1/2"
7	70087685	-	1	-	ROD, starter operating
	70901752	-	1	-	CAP, pipe, 3/8"NPT
	70627451	-	1	-	PIN, yoke, 5/16" diam.
	70904001	-	1	-	PIN, cotter, 3/32" x 1/2"
8	70043881	1	1	1	SPRING, retracting, starter rod (Effective with tractor #1447)
9	70094971	-	-	1	ROD, starter operating
	70627451	-	-	1	PIN, yoke, 5/16" diam.
	70904001	-	-	1	PIN, cotter, 3/32" x 1/2"
	70911048	-	-	1	NUT, jam, 3/8"NF
10	70617932	-	-	1	END, ball, operating rod
11	70012992	-	-	1	CAPSCREW, 3/8"NF x 1-1/4"
	70900817	-	-	1	WASHER, plain, U.S. std., 3/8"
	70904206	-	-	1	LOCKWASHER, 3/8"
	70911041	-	-	1	NUT, 3/8"NF
12	70095001	-	-	1	LEVER ASSEMBLY, operating (Includes item 14)
13	70091862	-	-	1	KNOB, operating lever
14	70049988	-	-	2	BUSHING, operating lever
15	70094895	-	-	1	BRACKET, operating lever
16	70094967	-	-	1	SHAFT, operating lever
	70918111	-	-	1	PIN, roll, 1/8" x 1"
17	70087949	1	1	1	BRACKET, cover supporting
18	70035221	1	1	1	CAPSCREW, 1/2"NC x 1"
	70904208	1	1	1	LOCKWASHER, 1/2"
19	70921912	1	1	1	CLAMP, starter cover (1-1/16" to 2" diam.)
20	70090722	1	1	1	COVER, starter protecting
	70913146	2	2	2	CAPSCREW, 3/8"NF x 1/2"
	70904206	2	2	2	LOCKWASHER, 3/8"



STARTER

USAGE: Tractors serial No. 4001 and up

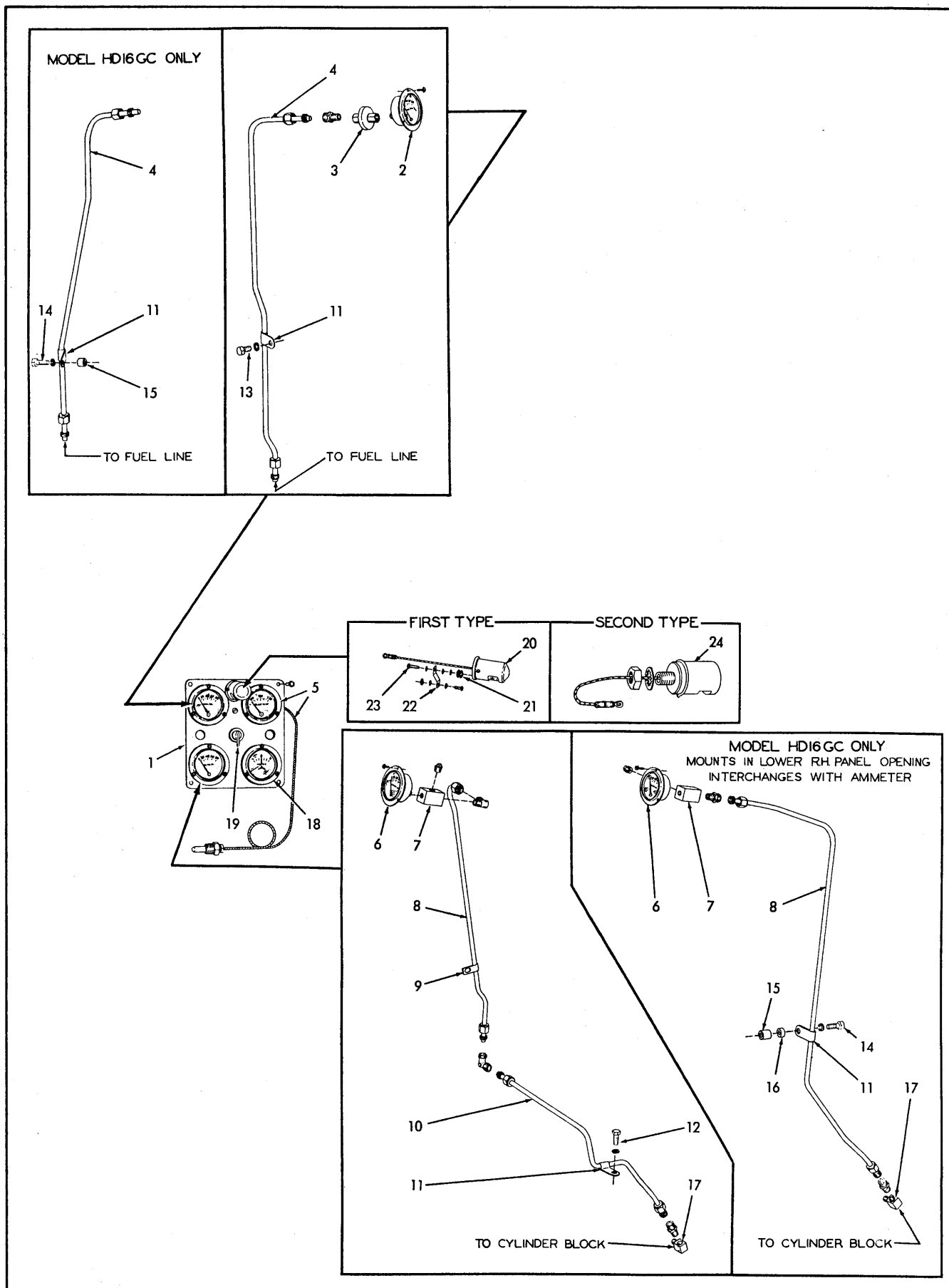
ITEM	PART NO.	QTY.	DESCRIPTION
			NOTE: See INSTRUMENTS for starter operating switch
1	70096941	1	MOTOR, starting (Delco-Remy #1109960. Order parts from local United Motors Service dealer)
2	70023755	3	CAPSCREW, 5/8"NC x 2-1/4"
	70904209	3	LOCKWASHER, 5/8"
3	74304902	1	ADAPTER, starting motor
4	70073480	1	STRAP, starter to ground
5	70036034	1	CAPSCREW, 3/8"NF x 1"
	70904206	1	LOCKWASHER, 3/8"



LIGHT ASSEMBLY 70083990

USAGE: See page 557

ITEM	PART NO.	QTY.	DESCRIPTION
1	70074452	1	BULB, incandescent, single contact, 6 c.p., 24 volts
2	70040974	1	GLASS
3	70040973	1	COVER, bulb
4	70044211	2	SCREW
5	70040969	1	GASKET, bulb cover
6	------	-	BASE ASSEMBLY (Not serviced separately)



T-15210

INSTRUMENTS (First type)

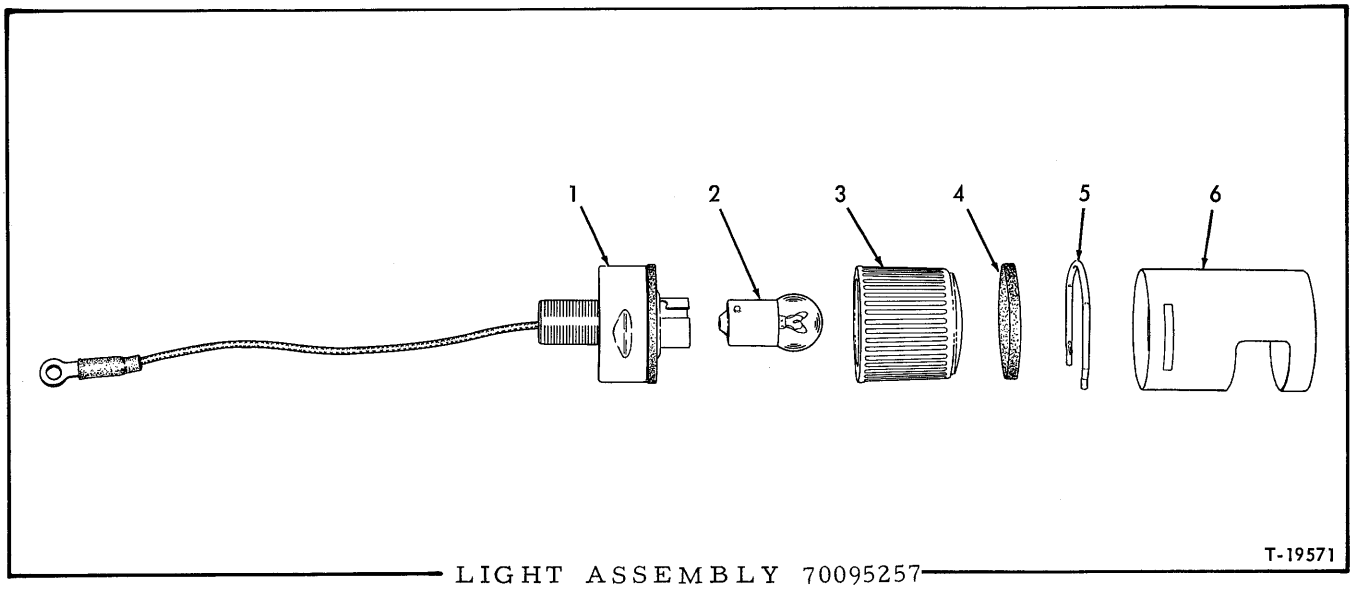
USAGE: Tractors prior to serial No. 4001

* Models HD16A, AC, D, DC, FC
** Model HD16GC

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70083296	1	1	PLATE, instrument mounting
	70917803	4	4	SCREW ASSEMBLY (1/4"NC x 5/8". Includes lockwasher)
2	------	1	1	GAUGE, fuel pressure (Original equipment. Order GAUGE 70658356)
	70918210	3	3	SCREW ASSEMBLY (#6-32 x 1/2". Includes lockwasher)
	70658356	1	1	GAUGE, fuel pressure (Includes mounting clamp)(Service replacement)
3	70069674	1	1	RESTRICTOR, fuel pressure gauge tube
4	70083416	1	-	TUBE, fuel pressure gauge (Also see page 198 for special tube and tee fitting used with Engine Air Heater)(Not used on Models HD16AC, DC or FC after tractor #2920)
	70092890	1	-	TUBE, fuel pressure gauge (Effective with tractor #2921 on Models HD16AC, DC and FC. Required on units equipped with engine decelerator)
	70087915	-	1	TUBE, fuel pressure gauge
	70918325	2	2	NUT, Sealastic, 3/8" tube
	70915367	2	2	RING, Sealastic, 3/8" tube (Includes ferrule)
	70915368	1	1	CONNECTOR, Sealastic, 3/8" tube, 1/4"NPT male
5	------	1	1	GAUGE, engine temperature (Original equipment. Order GAUGE 70658423)
	70918210	3	3	SCREW ASSEMBLY (#6-32 x 1/2". Includes lockwasher)
	70658423	1	1	GAUGE, engine temperature (Includes mounting clamp)(Service replacement)
6	------	1	1	GAUGE, engine oil pressure (Original equipment. Order GAUGE 70658293)
	70918210	3	3	SCREW ASSEMBLY (#6-32 x 1/2". Includes lockwasher)
	70658293	1	1	GAUGE, engine oil pressure (Includes mounting clamp)(Service replacement)
7	------	1	1	TEE, oil pressure gauge (female, 1/4"NPT side, 1/4"NPT and 1/8"NPT ends)(Order 1 each TEE 70094450, PLUG 70901651 and ADAPTER 70910856)
	70901652	1	1	PLUG, pipe, 1/4"NPT (Not used on tractors equipped with Hour Meter)
8	70083415	1	-	TUBE, oil pressure gauge, upper section
	70087902	-	1	TUBE, oil pressure gauge
	70918325	2	2	NUT, Sealastic, 3/8" tube
	70915367	2	2	RING, Sealastic, 3/8" tube (Includes ferrule)
	70915369	1	-	ELBOW, Sealastic, 90°, 3/8" tube, 1/4"NPT male
	70915370	1	-	ELBOW, Sealastic, union, 3/8" tube
	70915368	-	2	CONNECTOR, Sealastic, 3/8" tube, 1/4"NPT male

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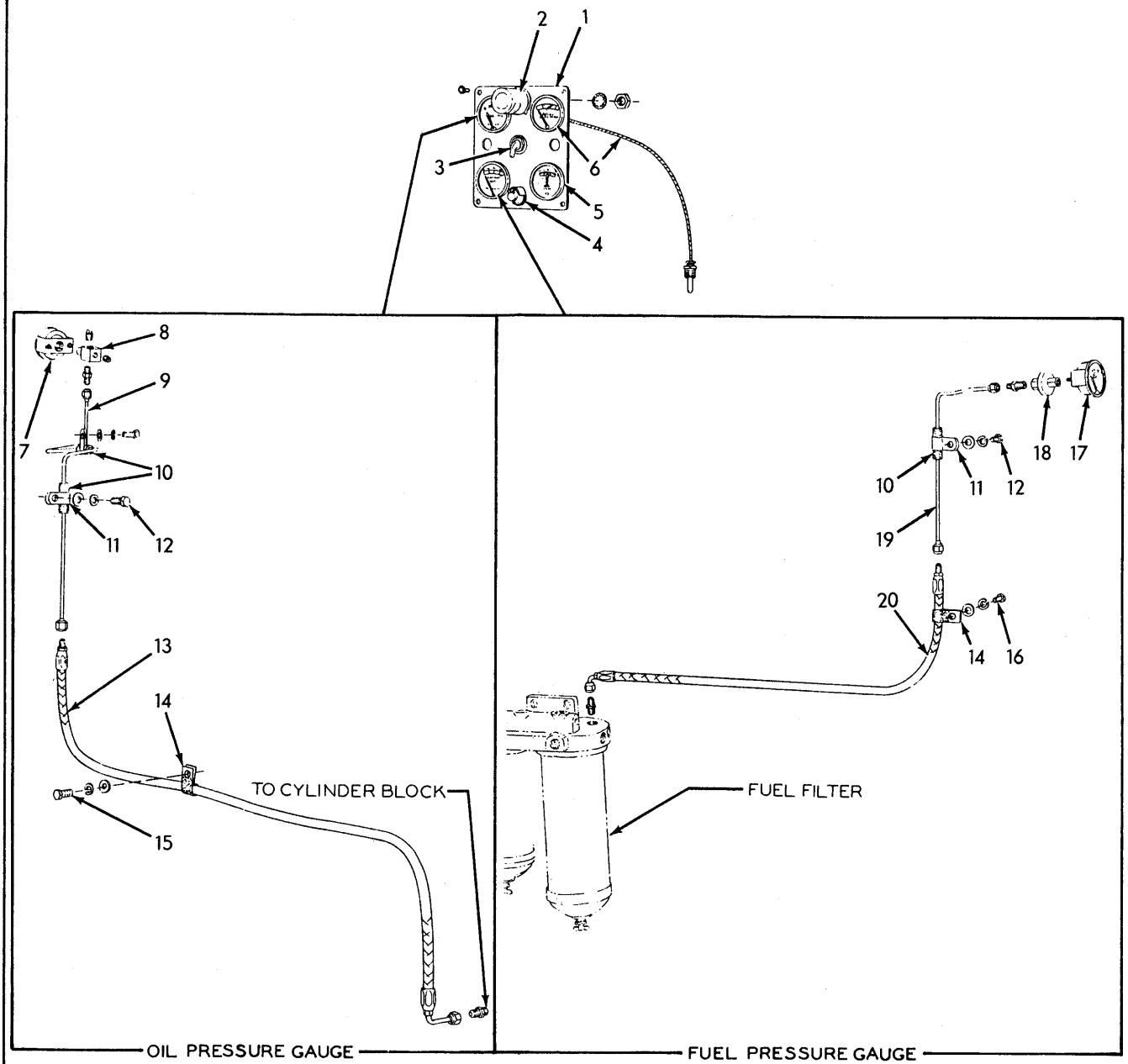
ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
9	70040796	1	-	CLIP, oil pressure gauge upper tube (3/8" diam., 13/32" bolt-hole)
10	70083414	1	-	TUBE, oil pressure gauge, lower section
	70918325	2	-	NUT, Sealastic, 3/8" tube
	70915367	2	-	RING ASSEMBLY, Sealastic, 3/8" tube (Includes ferrule)
	70915368	1	-	CONNECTOR, Sealastic, 3/8" tube, 1/4"NPT male
11	70041262	2	2	CLIP, pressure gauge tube (3/8" diam., 13/32" bolt-hole)
12	70035439	1	-	CAPSCREW, 3/8"NC x 1"
13	70035979	1	-	CAPSCREW, 3/8"NF x 5/8"
14	70012992	-	2	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	2	2	LOCKWASHER, 3/8"
15	70087082	-	2	SPACER, tube clip (1/2" thick)
16	70050257	-	2	SPACER, tube clip (5/16" thick) (Used prior to tractor #2612)
17	70047852	1	1	ELBOW, oil pressure gauge tube (90°, 1/8"NPT male, 1/4"NPT female)
18	------	1	1	AMMETER (Original equipment. Order AMMETER 70091588)
	70918210	3	3	SCREW ASSEMBLY (#6-32 x 1/2". Includes lockwasher)
	70658348	1	1	AMMETER (Includes mounting clamp) (Service replacement)
19	70661345	1	1	SWITCH ASSEMBLY, light (Includes mounting nuts)
				NOTE: Items 20 thru 23 comprise the FIRST TYPE PANEL LIGHT used prior to tractor #3061)
20	70083990	1	1	LIGHT ASSEMBLY, instrument panel (See page 555 for parts) (Order 1 each LIGHT ASSY. 70095257, LOCKWASHER 70910334 and NUT 70911049)
21	70083987	3	3	GROMMET, panel light mounting (rubber)
22	70083989	1	1	STRAP, panel light ground
	70900558	1	1	SCREW, machine, #10-32NF x 1/2"
	70906957	2	2	LOCKWASHER, internal teeth, #10
	70910251	1	1	NUT, machine screw, #10-32NF
23	70083988	3	3	SCREW, panel light mounting
	70910243	3	3	WASHER, plain, SAE std., #10
	70906957	4	4	LOCKWASHER, internal teeth, #10
24	70095257	1	1	LIGHT ASSEMBLY, instrument panel (See page 559 for parts) (Effective with tractor #3061)
	70910334	1	1	LOCKWASHER, internal teeth, 5/8"
	70911049	1	1	NUT, jam, 5/8"NF



LIGHT ASSEMBLY 70095257

USAGE: See pages 557, 561 and 565

ITEM	PART NO.	QTY.	DESCRIPTION
1	------	1	BASE ASSEMBLY (Not serviced separately)
2	70074452	1	BULB, incandescent, single contact, 6c. p., 24 volts
3	70095267	1	LENS
4	70095268	1	GASKET
5	70095265	1	SPRING, cover retaining
6	70095269	1	COVER



INSTRUMENTS (Second type)

T-19511

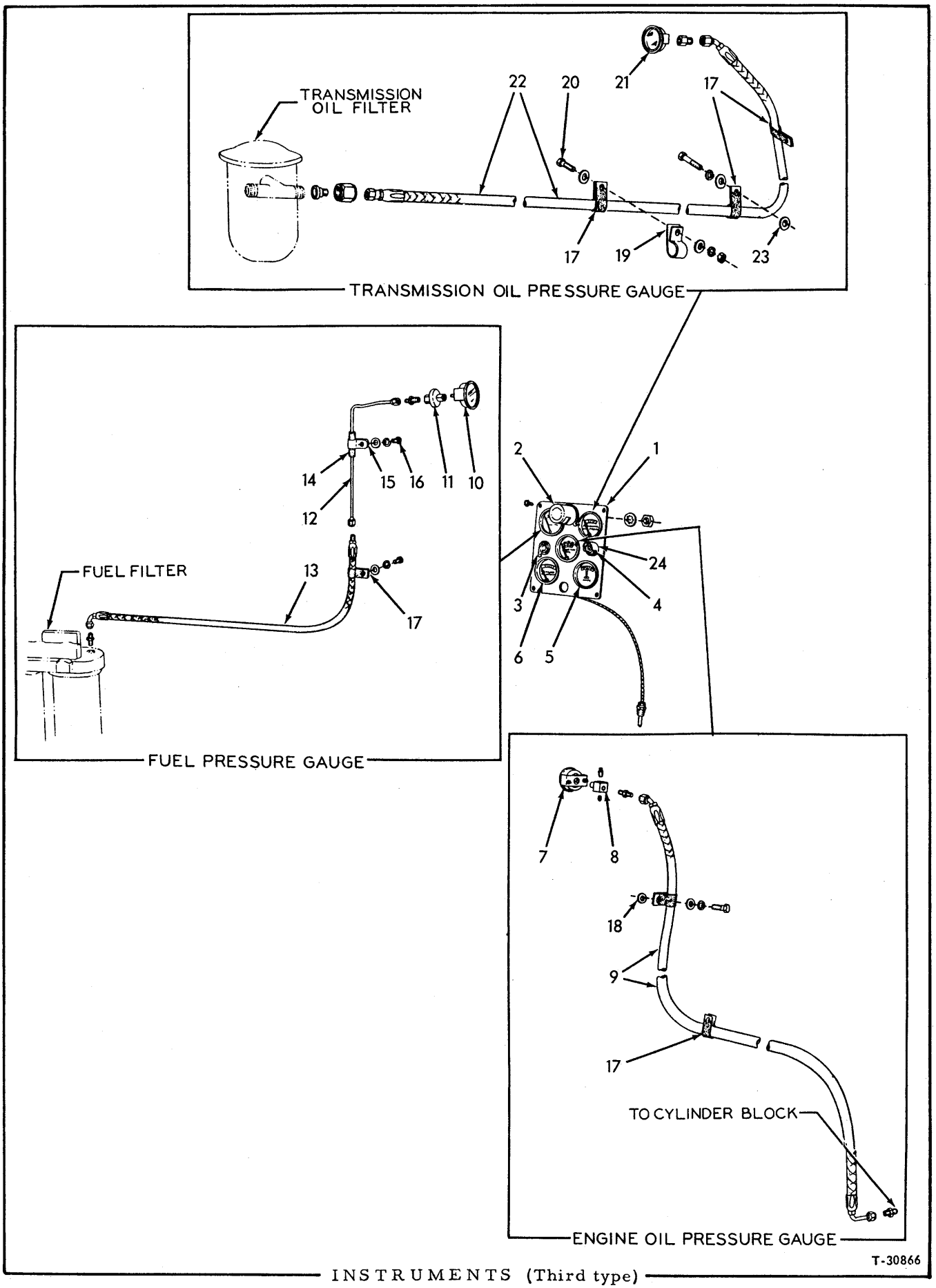
USAGE: Tractors serial No. 4001 thru No. 5042

* All Models except HD16GC
** Model HD16GC

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70097504	1	1	PLATE, instrument mounting
	70917803	4	4	SCREW ASSEMBLY (1/4"NC x 5/8". Includes lockwasher)
2	70095257	1	1	LIGHT ASSEMBLY, instrument panel (See page 559 for parts)
	70910334	1	1	LOCKWASHER, internal teeth, 5/8"
	70911049	1	1	NUT, jam, 5/8"NF
3	70661345	1	1	SWITCH ASSEMBLY, lights (Includes mounting nuts)
4	70240962	1	1	SWITCH ASSEMBLY, starter (Includes mounting nut)
5	70658348	1	1	AMMETER (Includes mounting clamp)
6	70658423	1	1	GAUGE, engine temperature (Includes mounting clamp)
7	70658293	1	1	GAUGE, engine oil pressure (Includes mounting clamp)
8	70094450	1	1	TEE, oil pressure gauge
	70901651	1	1	PLUG, pipe, 1/8"NPT
	70901652	1	1	PLUG, pipe, 1/4"NPT (Not used on tractors equipped with Hour Meter)
9	70097463	1	-	TUBE ASSEMBLY, oil pressure gauge (Includes nuts)
	70919171	1	-	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
10	70093972	3	-	BOOT, tube protecting (rubber)
11	70047381	3	-	CLIP, tube supporting
12	70036032	3	-	CAPSCREW, 3/8"NF x 3/4"
	70904206	3	-	LOCKWASHER, 3/8"
	70911115	3	-	WASHER, plain, SAE std., 3/8"
13	70097488	1	-	HOSE ASSEMBLY, oil pressure gauge (See HOSE PARTS)
	70919171	1	-	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male (Used prior to tractor #4144)
	70919140	1	-	CONNECTOR, flare type, 1/4" tube, 1/4"NPT male (Effective with tractor #4144)
	70097478	-	1	HOSE ASSEMBLY, oil pressure gauge (See HOSE PARTS)
	70919171	-	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male (One additional used prior to tractor #4164)
	70919140	-	1	CONNECTOR, flare type, 1/4" tube, 1/4"NPT male (Effective with tractor #4164)
14	70094527	4	5	CLIP, hose supporting
15	70035244	2	2	CAPSCREW, 3/8"NC x 3/4"
16	70036032	1	-	CAPSCREW, 3/8"NF x 3/4"
	70036034	-	3	CAPSCREW, 3/8"NF x 1"
	70904206	3	5	LOCKWASHER, 3/8"
	70911115	3	5	WASHER, plain, SAE std., 3/8"
17	70641636	1	1	GAUGE, fuel pressure (Includes mounting clamp)

(Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
18	70069674	1	1	RESTRICTOR, fuel pressure gauge
19	70097328	1	-	TUBE ASSEMBLY, fuel pressure gauge (Includes nuts)
	70919140	1	-	CONNECTOR, flare type, 1/4" tube, 1/4"NPT male
20	70097330	1	-	HOSE ASSEMBLY, fuel pressure gauge (See HOSE PARTS)
	70919171	1	-	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
	70097480	-	1	HOSE ASSEMBLY, fuel pressure gauge (See HOSE PARTS)
	70919140	-	1	CONNECTOR, flare type, 1/4" tube, 1/4"NPT male
	70919171	-	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male



INSTRUMENTS (Third type)

USAGE: Tractors serial No. 5043 and up.

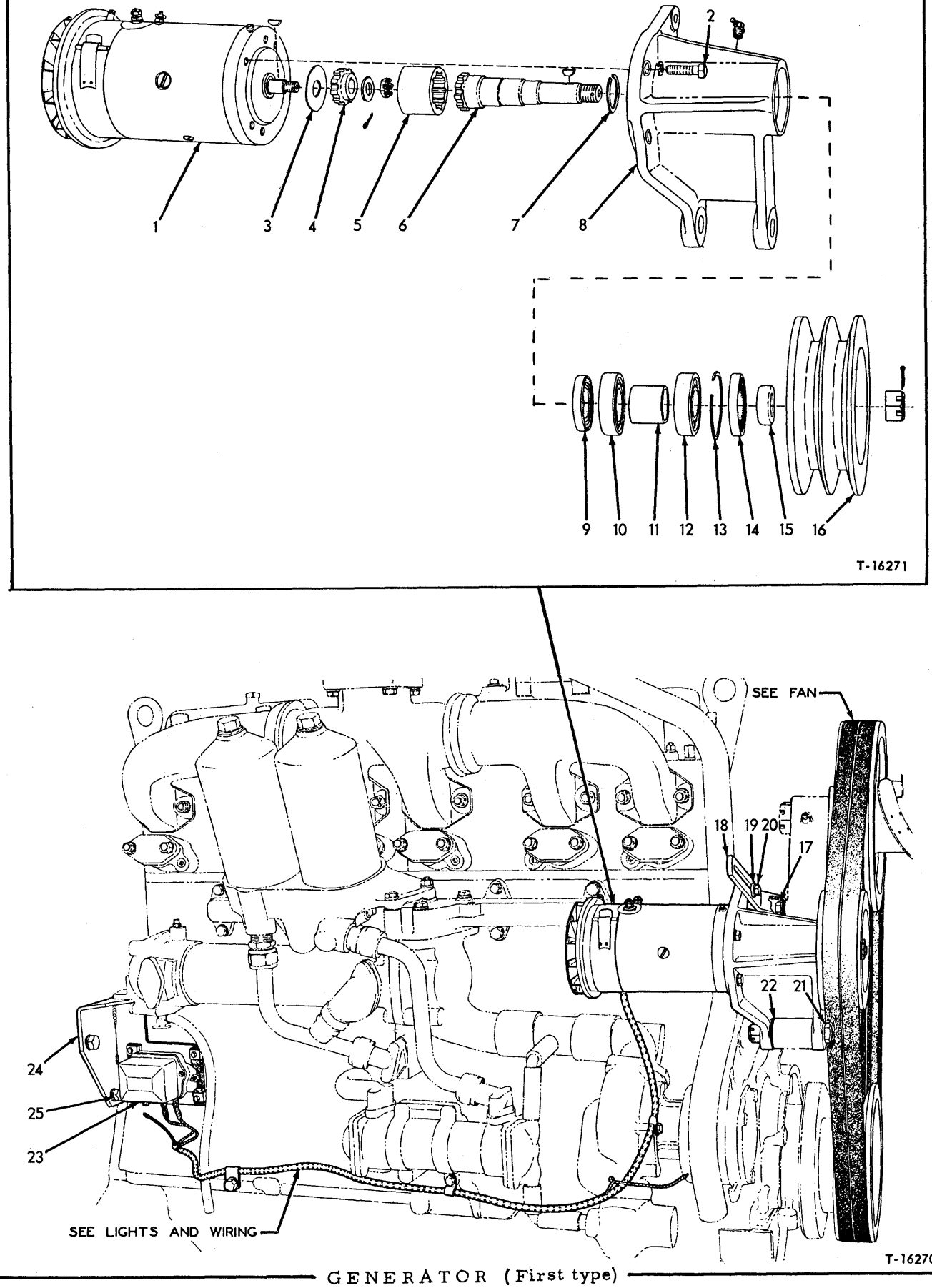
* Models HD16A, AC, D, DC
** Model HD16FC
*** Model HD16GC

ITEM	PART NO.	QUANTITY *	**	***	DESCRIPTION
1	70621955	1	1	1	PLATE, instrument mounting (Used prior to tractor #5154 excluding #5104)
	70097504	1	1	1	PLATE, instrument mounting (Effective with tractor #5154 including #5104)
	70917803	4	4	4	SCREW ASSEMBLY (1/4"NC x 5/8". Includes lockwasher)
2	70095257	1	1	1	LIGHT ASSEMBLY, instrument panel (See page 559 for parts)
	70911049	1	1	1	NUT, jam, 5/8"NF
	70910334	1	1	1	LOCKWASHER, internal teeth, 5/8"
3	70661345	1	1	1	SWITCH ASSEMBLY, lights (Includes mounting nuts)
4	70240962	1	1	1	SWITCH ASSEMBLY, starter (Includes mounting nuts)
5	70658348	1	1	1	AMMETER (Includes mounting clamp)
6	70658423	1	1	1	GAUGE, engine temperature (Includes mounting clamp)
7	70658293	1	1	1	GAUGE, engine oil pressure (Includes mounting clamp)
8	70094450	1	1	1	TEE, oil pressure gauge
	70901651	1	1	1	PLUG, pipe, 1/8"NPT
	70901652	1	1	1	PLUG, pipe, 1/4"NPT (Not used on tractors equipped with Hour Meter)
9	70622078	1	1	1	HOSE ASSEMBLY, engine oil pressure gauge (See HOSE PARTS)
	70919171	1	1	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
	70919140	1	1	1	CONNECTOR, flare type, 1/4" tube, 1/4"NPT male
10	70641636	1	1	1	GAUGE, fuel pressure (Includes mounting clamp)
11	70069674	1	1	1	RESTRICTOR, fuel pressure gauge
12	70097328	1	1	-	TUBE ASSEMBLY, fuel pressure gauge (Includes nuts)
	70919140	1	1	-	CONNECTOR, flare type, 1/4" tube, 1/4"NPT male
13	70097330	1	1	-	HOSE ASSEMBLY, fuel pressure gauge (See HOSE PARTS)
	70919171	1	1	-	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
	70097480	-	-	1	HOSE ASSEMBLY, fuel pressure gauge (See HOSE PARTS)
	70919140	-	-	1	CONNECTOR, flare type, 1/4" tube, 1/4"NPT male
	70919171	-	-	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
14	70093972	1	1	-	BOOT, tube protecting (rubber)
15	70047381	1	1	-	CLIP, tube supporting
16	70036032	1	1	-	CAPSCREW, 3/8"NF x 3/4"
	70904206	1	1	-	LOCKWASHER, 3/8"
	70911115	1	1	-	WASHER, plain, SAE std., 3/8"

(Continued)

ITEM	PART NO.	QUANTITY *	**	***	DESCRIPTION	
17	70094527	10	8	8	CLIP, hose supporting (5 used on all models effective with tractor #5154 including #5104)	
	70035244	2	2	2	CAPSCREW, 3/8"NC x 3/4"	
	70036032	1	-	-	CAPSCREW, 3/8"NF x 3/4"	
	70036034	3	3	1	CAPSCREW, 3/8"NF x 1"	
	70036039	-	-	2	CAPSCREW, 3/8"NF x 1-3/8"	
	70035336	2	-	-	CAPSCREW, 3/8"NF x 1-3/4" (Also attaches fuel return line clips)(Used prior to tractor #5154 excluding #5104)	
	70904206	5	5	5	LOCKWASHER, 3/8"	
	70911115	5	5	5	WASHER, plain, SAE std., 3/8"	
18	70050257	-	-	2	SPACER, hose supporting clip	
19	70055234	-	1	1	CLIP, supporting, transmission oil pressure gauge hose	Used prior to tractor #5154 except #5104
20	70036032	-	1	1	CAPSCREW, 3/8"NF x 3/4"	
	70911115	-	1	1	WASHER, plain, SAE std., 3/8"	
	70904206	-	1	1	LOCKWASHER, 3/8"	
	70911041	-	1	1	NUT, 3/8"NF	
21	70641809	1	1	1	GAUGE, transmission oil pressure	
22	70621926	1	-	-	HOSE ASSEMBLY, transmission oil pressure gauge (See HOSE PARTS)	
	70621954	-	1	1	HOSE ASSEMBLY, transmission oil pressure gauge (See HOSE PARTS)	
	70919174	1	1	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT female	
	70921277	1	1	1	REDUCER, flare type, 1/2" tube to 1/4" tube	
	70919068	1	1	1	NUT, flare type, 1/2" tube	
23	70065461	2	-	-	BLOCK, spacing, transmission pressure gauge hose supporting clip	
24	70634677	1	1	1	GUARD, starter switch (Effective with tractor #5745)	
	70911100	1	1	1	WASHER, plain, SAE std., 3/8"	

MEMO



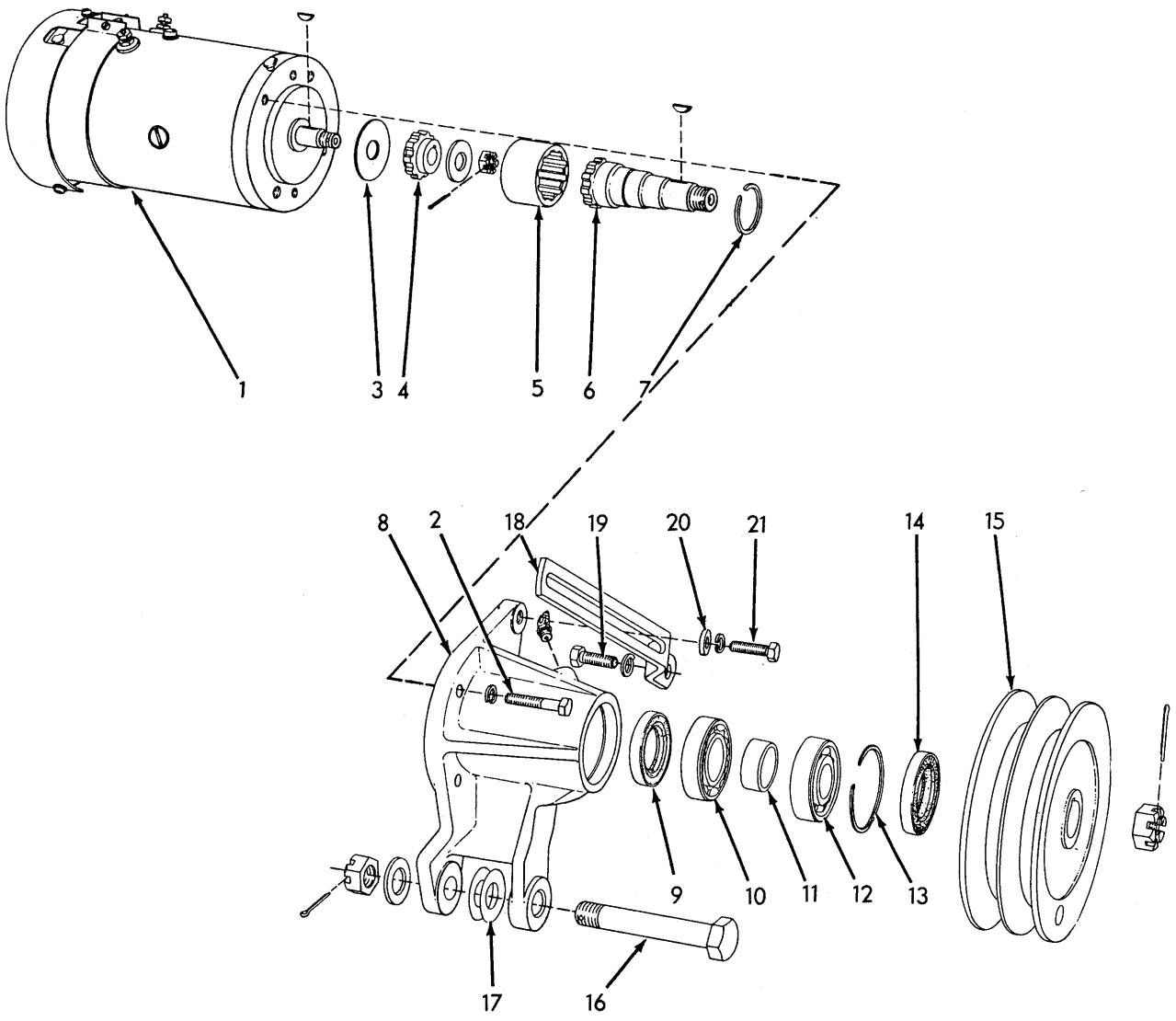
GENERATOR (First type)

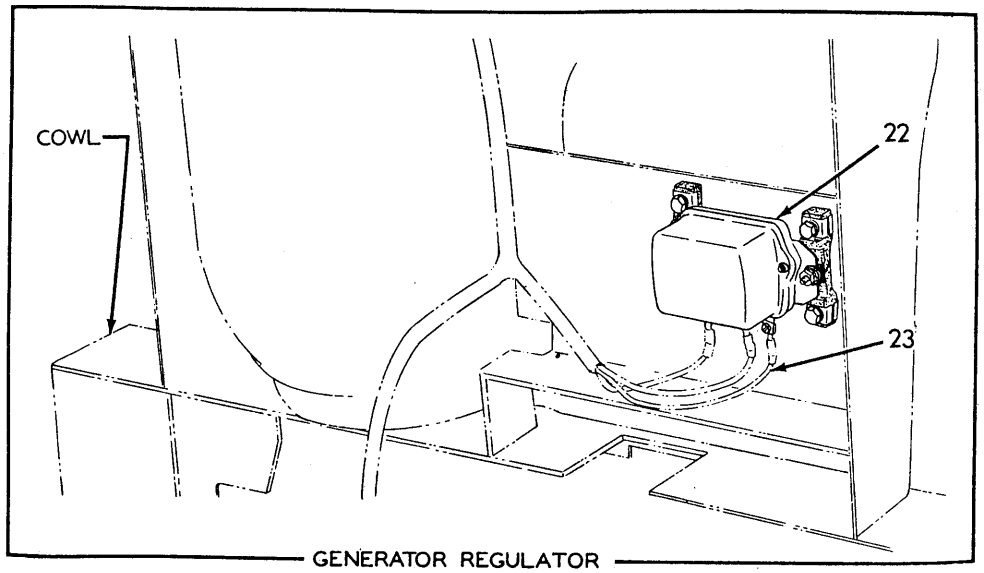
GENERATOR

USAGE: Tractors prior to serial No. 4001

ITEM	PART NO.	QTY.	DESCRIPTION
			NOTE: See FAN for driving belts
1	70083447	1	GENERATOR (Includes KEY 905121)(DELCO-REMY #1105982. Order parts from local United Motors Service dealer)
	70905121	1	KEY, #5 woodruff, 1/8" x 5/8"
2	70013058	4	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	4	LOCKWASHER, 3/8"
3	70067924	1	WASHER, generator shaft
4	70067923	1	PINION, generator shaft
	70910244	1	WASHER, plain, SAE std., 1/2"
	70913471	1	NUT, jam, slotted, 1/2"NF
	70900801	1	PIN, cotter, 3/32" x 3/4"
5	70067892	1	SLEEVE, coupling
6	70066369	1	SHAFT, generator drive
	70912331	1	NUT, slotted, 3/4"NF
	70900807	1	PIN, cotter, 1/8" x 1-1/4"
	70905121	1	KEY, #5 woodruff, 1/8" x 5/8"
7	70052225	1	RING, snap, generator drive shaft
8	70083269	1	HOUSING, generator drive
	70915274	1	FITTING, lubricating, 45°, 1/8"NPT
9	70067914	1	SEAL, grease, rear
10	74253863	1	BEARING, ball, rear
11	70067918	1	SLEEVE, bearing spacing
12	70067916	1	BEARING, ball, front
13	70050291	1	RING, snap, bearing retaining
14	70067913	1	SEAL, grease, front
15	70067919	1	SPACER, pulley
16	70067932	1	PULLEY
17	70041250	1	CAPSCREW, generator strap (7/16"NC x 1-1/4")
	70904207	1	LOCKWASHER, 7/16"
18	70083399	1	STRAP, generator adjustment
19	70044973	1	WASHER, plain, generator strap
20	70013058	1	CAPSCREW, generator strap (3/8"NC x 1-1/4")
	70904206	1	LOCKWASHER, 3/8"
21	70076522	1	CAPSCREW, generator drive housing
	70912331	1	NUT, slotted, 3/4"NF
	70900808	1	PIN, cotter, 1/8" x 1-1/2"
22	70083710	4	SHIM, housing mounting (Use as req'd)

(Continued)





GENERATOR REGULATOR

GENERATOR (Second type)

T-19679

ITEM	PART NO.	QTY.	DESCRIPTION
23	70081154	1	REGULATOR, voltage and current (DELCO-REMY #1119177. Was formerly #1118793. Order parts from local United Motors Service dealer)
	70912178	4	CAPSCREW, 1/4"NF x 1-1/2"
	70904204	4	LOCKWASHER, 1/4"
	70911040	4	NUT, 1/4"NF
24	70083924	1	BRACKET, generator regulator mounting (Also supports Heat Exchanger on Models HD16AC and DC)(Used prior to tractor #1508)
	74373747	1	BRACKET, generator regulator mounting (Also supports Heat Exchanger on Models HD16AC and DC)(Effective with tractor #1508)
25	70035392	3	CAPSCREW, 5/8"NC x 1-1/4"
	70904209	3	LOCKWASHER, 5/8"
	70900819	3	WASHER, plain, U.S. std., 5/8"

GENERATOR

USAGE: Tractors serial No. 4001 and up

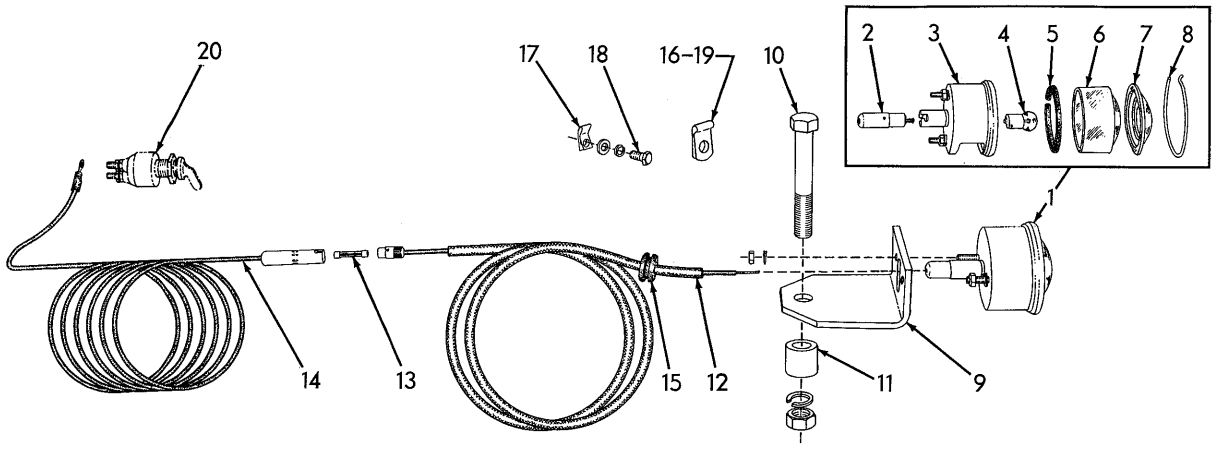
NOTE: See FAN for driving belts

1	70094625	1	GENERATOR (Includes KEY 905121)(DELCO-REMY #1105997. Order parts from local United Motors Service dealer)
	70905121	1	KEY, #5 woodruff, 1/8" x 5/8"
2	70013058	4	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	4	LOCKWASHER, 3/8"
3	70067924	1	WASHER, generator shaft
4	70067923	1	PINION, generator shaft
	70910244	1	WASHER, plain, SAE std., 1/2"
	70913471	1	NUT, jam, slotted, 1/2"NF
	70900801	1	PIN, cotter, 3/32" x 3/4"
5	70096056	1	SLEEVE, coupling
6	70096092	1	SHAFT, generator drive
	70913472	1	NUT, jam, slotted, 3/4"NF
	70900807	1	PIN, cotter, 1/8" x 1-1/4"
	70905121	1	KEY, #5 woodruff, 1/8" x 5/8"
7	70052225	1	RING, snap, generator drive shaft
8	70096071	1	HOUSING, generator drive
	70915274	1	FITTING, lubricating, 45°, 1/8"NPT
9	70067914	1	SEAL, grease, rear
10	74253863	1	BEARING, ball, rear
11	70096046	1	SLEEVE, bearing spacing
12	70067916	1	BEARING, ball, front
13	70050291	1	RING, snap, bearing retaining

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION	
14	70067913	1	SEAL, grease, front	
15	70096093	1	PULLEY	
16	70076522	1	CAPSCREW, generator drive housing	
	70910255	1	WASHER, plain, SAE std., 3/4"	
	70912331	1	NUT, slotted, 3/4"NF	
	70900808	1	PIN, cotter, 1/8" x 1-1/2"	
17	70083710	4	SHIM, housing mounting (Use as req'd)	
18	70083399	1	STRAP, generator adjustment	
19	70041250	1	CAPSCREW, generator strap (7/16"NC x 1-1/4")	
	70904207	1	LOCKWASHER, 7/16"	
20	70044973	1	WASHER, plain, generator strap	
21	70013058	1	CAPSCREW, generator strap (3/8"NC x 1-1/4")	
	70904206	1	LOCKWASHER, 3/8"	
22	70094498	1	REGULATOR, voltage and current (DELCO-REMY #1119223. Order parts from local United Motors Service Dealer)	
	70041981	4	CAPSCREW, 5/16"NF x 1-1/2"	} All models except HD16GC
	70904205	4	LOCKWASHER, 5/16"	
	70912177	4	CAPSCREW, 1/4"NF x 1-1/4"	} Model HD16GC
	70904204	4	LOCKWASHER, 1/4"	
23	------	-	HARNESS, wiring (See LIGHTS AND WIRING)	

MEMO



T-5536

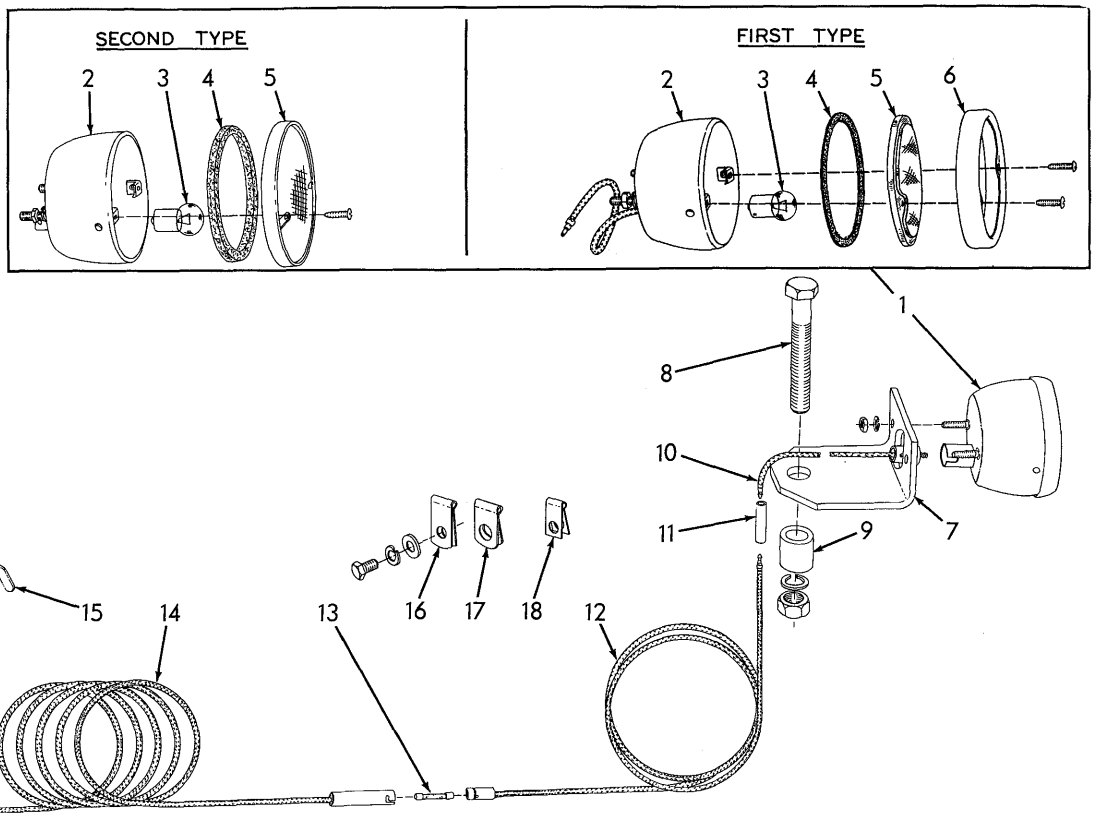
TAIL LIGHT

USAGE: Special Equipment prior to July 1956. Applicable to all tractors except those equipped with Rear Flood Light

ITEM	PART NO.	QTY.	DESCRIPTION
1	------	1	LIGHT ASSEMBLY, tail (Consists of items 2 thru 8) (Order LIGHT ASSEMBLY 70630147 and CABLE ASSEMBLY 70630148)
	70904204	2	LOCKWASHER, 1/4"
	70911040	2	NUT, 1/4"NF
2	70047307	1	PLUG, cable connecting
3	------	1	BODY (Not serviced separately)
4	70074452	1	BULB, incandescent, single contact, 6 c.p., 24 volt
5	70043713	1	GASKET, glass cup
6	70043716	1	CUP (glass)
7	70034014	1	LENS (red)
8	70212758	1	RING, lens retaining
9	70067110	1	BRACKET, mounting
10	70066862	1	CAPSCREW, 5/8"NF x 4"
	70904209	1	LOCKWASHER, 5/8"
	70911044	1	NUT, 5/8"NF
11	70067112	1	BLOCK, spacing, mounting bracket

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
12	70084237	1	CABLE, rear section (50" long)
13	70208960	1	FUSE, cartridge type, 1/4" x 1-1/4", 20 amperes
14	70084239	1	CABLE, front section (90" long)
15	70036887	1	GROMMET, rear cable (Required only on tractors equipped with cab)
16	70200479	5	CLIP, front cable (3/16" diam., 13/32" bolt-hole)
17	70235794	1	CLIP, rear cable (1/4" diam., 13/32" bolt-hole)
18	70035979	1	CAPSCREW, 3/8"NF x 5/8"
	70904206	1	LOCKWASHER, 3/8"
	70911115	1	WASHER, plain, SAE std., 3/8"
19	70044044	1	CLIP, rear cable (1/4" diam., 17/32" bolt-hole)
20	------	1	SWITCH (See INSTRUMENTS)



TAIL LIGHT

USAGE: Special equipment effective July 1956. Applicable to all tractors except those equipped with Rear Flood Light

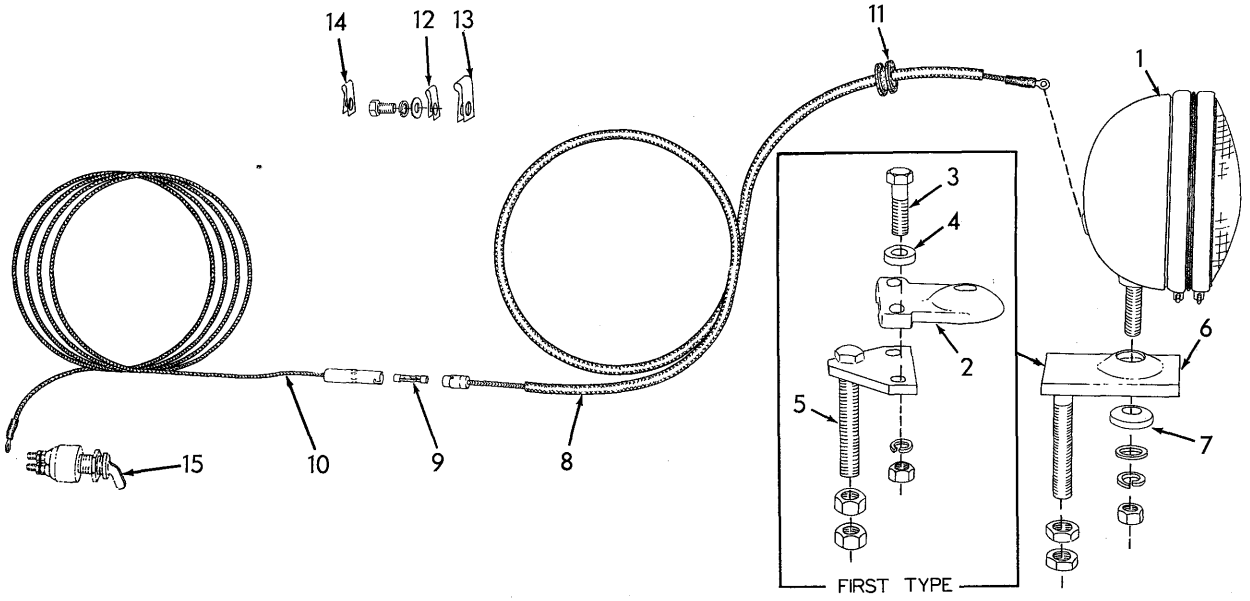
* Used prior to December 1961
** Effective December 1961

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	------	1	-	LIGHT ASSEMBLY, tail (Consists of items 2 thru 6) (Order LIGHT ASSEMBLY 70630147 and CABLE ASSEMBLY 70630148)
	70630147	-	1	LIGHT ASSEMBLY, tail (Consists of items 2 thru 5)
	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	70068399	1	-	GASKET, tail light lens (1/16" thick)
	70629189	-	1	GASKET, tail light lens (3/16" thick)

(Continued)

TAIL LIGHT (Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
5	70068405	1	-	LENS, tail light (3-1/2" O.D.)
	70629188	-	1	LENS, tail light (3-11/16" O.D.)
	70917883	-	2	SCREW, thread-cutting, rd-hd., #8 x 5/8"
6	70068404	1	-	DOOR, tail light
	70917883	2	-	SCREW, thread-cutting, rd-hd., #8 x 5/8"
7	70067110	1	1	BRACKET, tail light mounting
8	70066862	1	1	CAPSCREW, 5/8"NF x 4"
	70904209	1	1	LOCKWASHER, 5/8"
	70911044	1	1	NUT, 5/8"NF
9	70067112	1	1	BLOCK, spacing, mounting bracket
10	70630148	-	1	CABLE ASSEMBLY, rear section (Includes plug)
11	70048142	1	1	CONNECTOR, cable
12	70089292	1	1	CABLE, intermediate section (50" long)
13	70208960	1	1	FUSE, cartridge type, 1/4" x 1-1/4", 20 amperes
14	70084239	1	1	CABLE, front section (90" long)
15	------	1	1	SWITCH (See INSTRUMENTS)
16	70235794	1	-	CLIP, cable supporting (1/4" diam., 13/32" bolt-hole)(Used prior to tractor #4001)
	70035979	1	-	CAPSCREW, 3/8"NF x 5/8"
	70904206	1	-	LOCKWASHER, 3/8"
	70911115	1	-	WASHER, plain, SAE std., 3/8"
	70073809	10	10	CLIP, cable supporting (3/16" diam., 13/32" bolt-hole)(Effective with tractor #4001)
	70035979	2	2	CAPSCREW, 3/8"NF x 5/8"
	70035167	2	2	CAPSCREW, 3/8"NF x 7/8"
	70904206	4	4	LOCKWASHER, 3/8"
	70911041	2	2	NUT, 3/8"NF
17	70044044	1	-	CLIP, cable supporting (1/4" diam., 17/32" bolt-hole)(Used prior to tractor #4001)
	70223502	1	1	CLIP, cable supporting (3/16" diam., 17/32" bolt-hole) (Effective with tractor #4001)
18	70200479	5	-	CLIP, cable supporting (3/16" diam., 13/32" bolt-hole)(Used prior to tractor #4001)



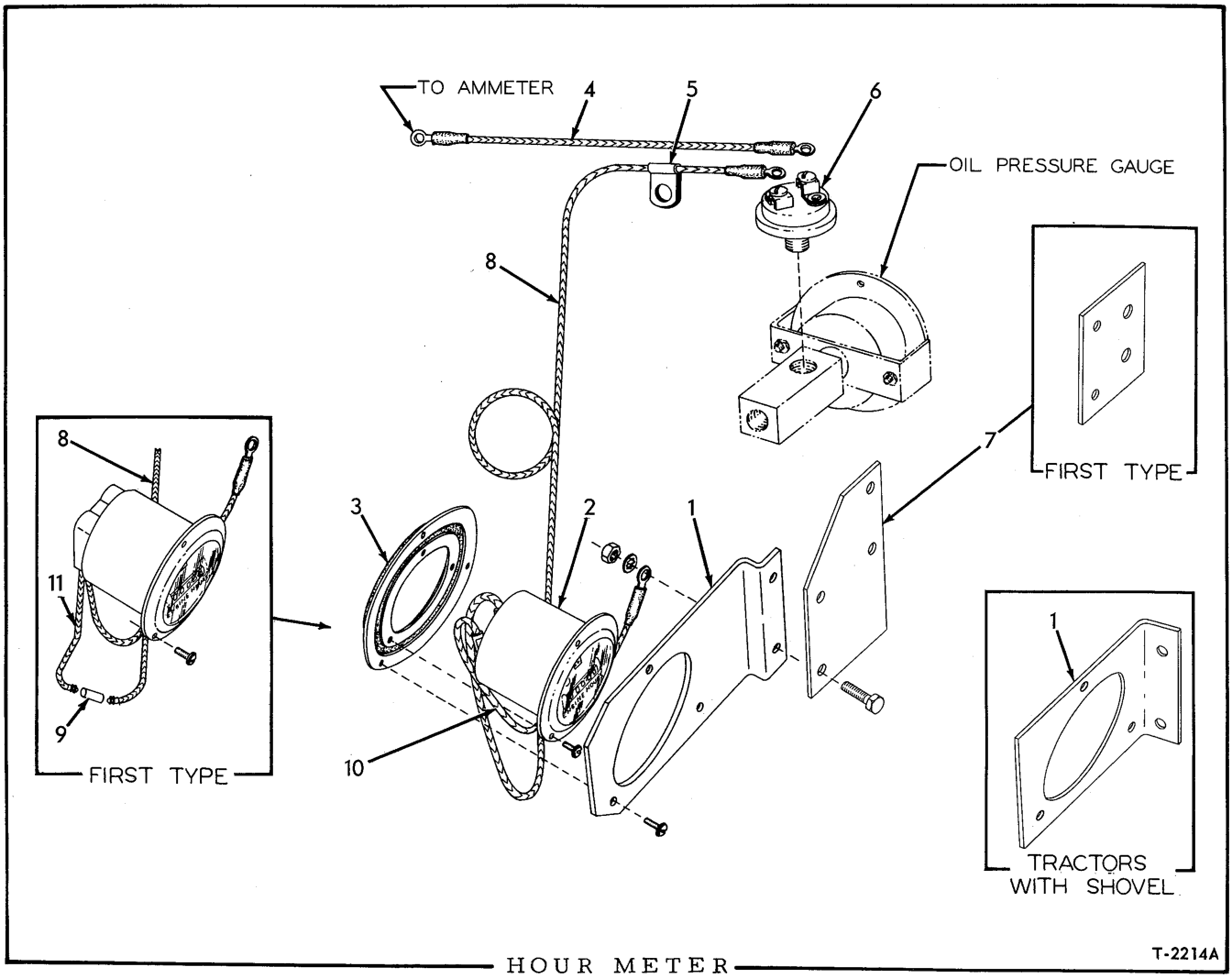
REAR FLOOD LIGHT

USAGE: Special Equipment. Applicable to all tractors except those equipped with TAIL LIGHT

ITEM	PART NO.	QTY.	DESCRIPTION
	70074388	1	LIGHT ASSY. (See page 539 for parts)(Used prior to July 1958. Order 1 each LIGHT ASSY. 70638283, WASHER 70075535, WASHER 70900818, LOCKWASHER 70904208 and NUT 70911043)
	70904206	1	LOCKWASHER, 3/8"
	70911026	1	NUT, 3/8"NC
1	70097030	1	LIGHT ASSEMBLY (See page 543 for parts)(Effective July 1958. Original equipment. Order LIGHT ASSEMBLY 70638283)
	70638283	1	LIGHT ASSEMBLY (See page 544 for parts)(Service replacement)
	70900818	1	WASHER, plain, U.S. std., 1/2"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
2	------	1	BRACKET, mounting (Used prior to July 1958. Order item 6)
3	70035067	2	CAPSCREW, 1/2"NF x 2"
4	70064531	2	WASHER, plain
	70904208	2	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
5	------	1	PLATE, mounting (Used prior to July 1958. Order item 6)
	70911044	2	NUT, 5/8"NF
6	70094630	1	BRACKET, mounting (Effective July 1958)
	70911044	2	NUT, 5/8"NF
7	70053277	1	WASHER, mounting (For LIGHT ASSEMBLY 70074388 only)
	70075535	1	WASHER, mounting (For LIGHT ASSY. 70097030 and 70638283 only)
8	70084238	1	CABLE, rear section (57" long)
9	70208960	1	FUSE, cartridge type, 1/4" x 1-1/4", 20 amperes
10	70084239	1	CABLE, front section (90" long)
11	70036887	1	GROMMET, cable protecting (For tractors with Cab)
12	70235794	1	CLIP, cable supporting (1/4" diam., 13/32" bolt-hole) (Used prior to tractor #4001)
	70035979	1	CAPSCREW, 3/8"NF x 5/8"
	70904206	1	LOCKWASHER, 3/8"
	70911115	1	WASHER, plain, SAE std., 3/8"
	70073809	10	CLIP, cable supporting (3/16" diam., 13/32" bolt-hole) (Effective with tractor #4001)
	70035979	2	CAPSCREW, 3/8"NF x 5/8"
	70035167	2	CAPSCREW, 3/8"NF x 7/8"
	70904206	4	LOCKWASHER, 3/8"
	70911041	2	NUT, 3/8"NF
13	70044044	1	CLIP, cable supporting (1/4" diam., 17/32" bolt-hole) (Used prior to tractor #4001)
	70223502	1	CLIP, cable supporting (3/16" diam., 17/32" bolt-hole) (Effective with tractor #4001)
14	70200479	2	CLIP, cable supporting (3/16" diam., 13/32" bolt-hole) (Used prior to tractor #4001)
15	------	1	SWITCH (See INSTRUMENTS)



HOUR METER

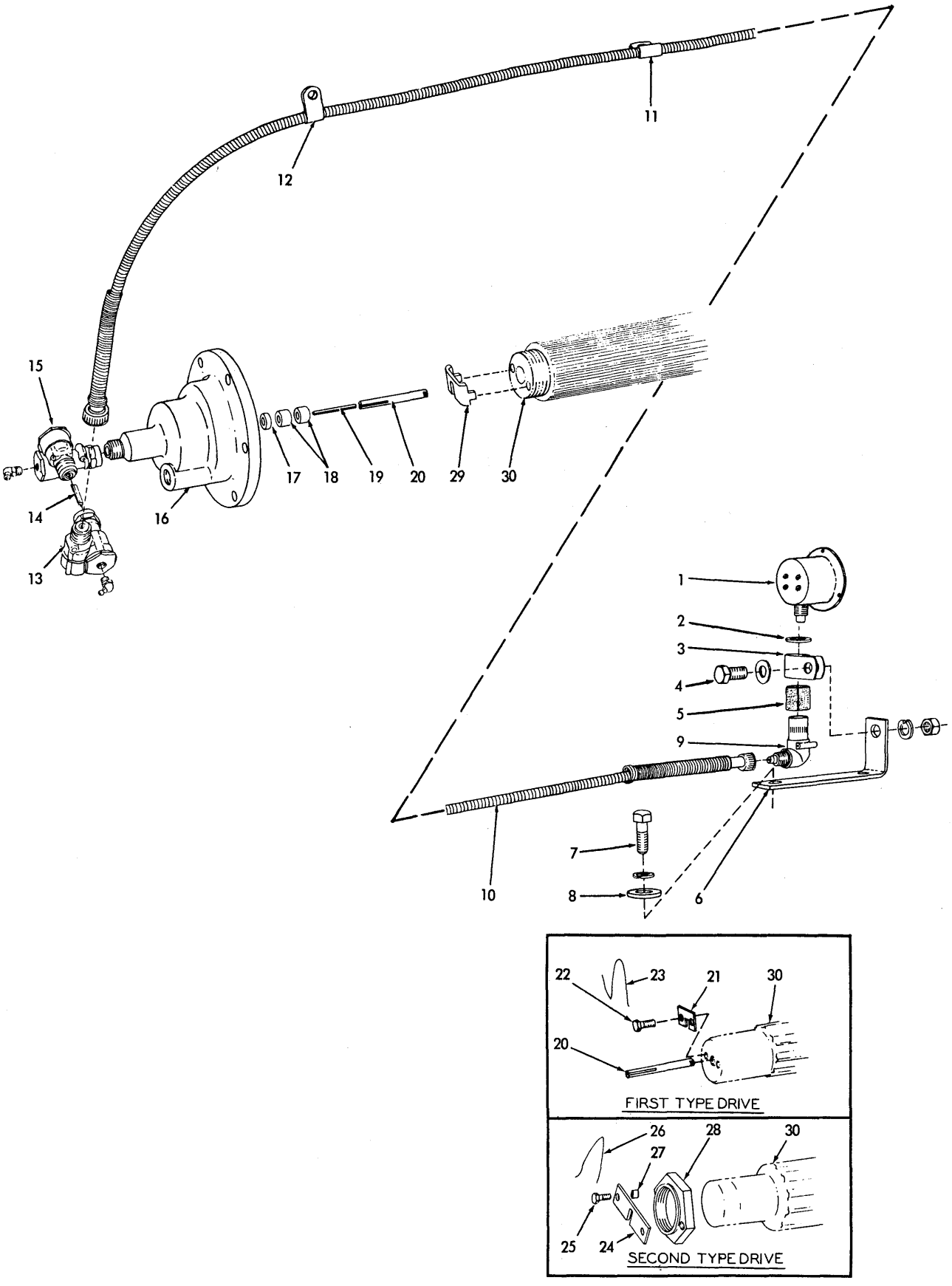
USAGE: Special Equipment.

* All models except HD16GC
** Model HD16GC

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70086947	1	-	BRACKET, mounting
	70069317	-	1	BRACKET, mounting
	70912789	2	-	CAPSCREW, 1/4"NF x 3/4"
	70910874	-	2	CAPSCREW, 1/4"NF x 1"
	70904204	-	2	LOCKWASHER, 1/4"
	70906958	2	-	LOCKWASHER, internal teeth, 1/4"
	70911040	2	-	NUT, 1/4"NF
2	70099220	1	1	METER, hour (24 volt) (Used prior to tractor #5580. Order 1 each METER 70623889, CABLE 70630917 and CABLE 70631639)
	70623889	1	1	METER, hour (24 volt) (Effective with tractor #5580)
	70918210	3	3	SCREW ASSEMBLY, #6 x 1/2" (Includes lockwasher)

(Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
				NOTE: Meter carries manufacturer's warranty and in case of failure should be returned direct to John W. Hobbs Corporation, Springfield, Illinois for repairs
3	70066467	1	1	DAMPER, vibration
	70918210	3	3	SCREW ASSEMBLY, #6 x 1/2" (Includes lockwasher)
4	70605808	1	1	CABLE, pressure switch to ammeter (10" long)
5	70238136	1	-	CLIP, cable supporting (3/16" diam., 9/32" bolt-hole)
	70040796	-	1	CLIP, cable supporting (3/8" diam., 13/32" bolt-hole)(Used prior to tractor #4001)
	70036032	-	1	CAPSCREW, 3/8"NF x 3/4"
	70904206	-	1	LOCKWASHER, 3/8"
	70911041	-	1	NUT, 3/8"NF
6	70050288	1	1	SWITCH, pressure
7	70085571	1	-	PLATE, extension (Used prior to tractor #4001) } Used only with ENGINE SIDE SCREENS
	70098126	1	-	PLATE, extension (Effective with tractor #4001) } Used only with ENGINE SIDE SCREENS
8	70099219	1	1	CABLE, meter to pressure switch (28" long)(Used prior to tractor #5580)
	70630626	1	1	CABLE, meter to pressure switch (34" long)(Effective with tractor #5580)
9	70048142	1	1	CONNECTOR, meter cable (Used prior to tractor #5580)
10	70630917	1	1	CABLE, meter to ground (8" long)(Effective with tractor #5580)
11	70631639	1	1	CABLE, meter connecting (7-1/2" long)(Used only with item 2 when replacing early type meter)



T-22581

ODOMETER

ODOMETER

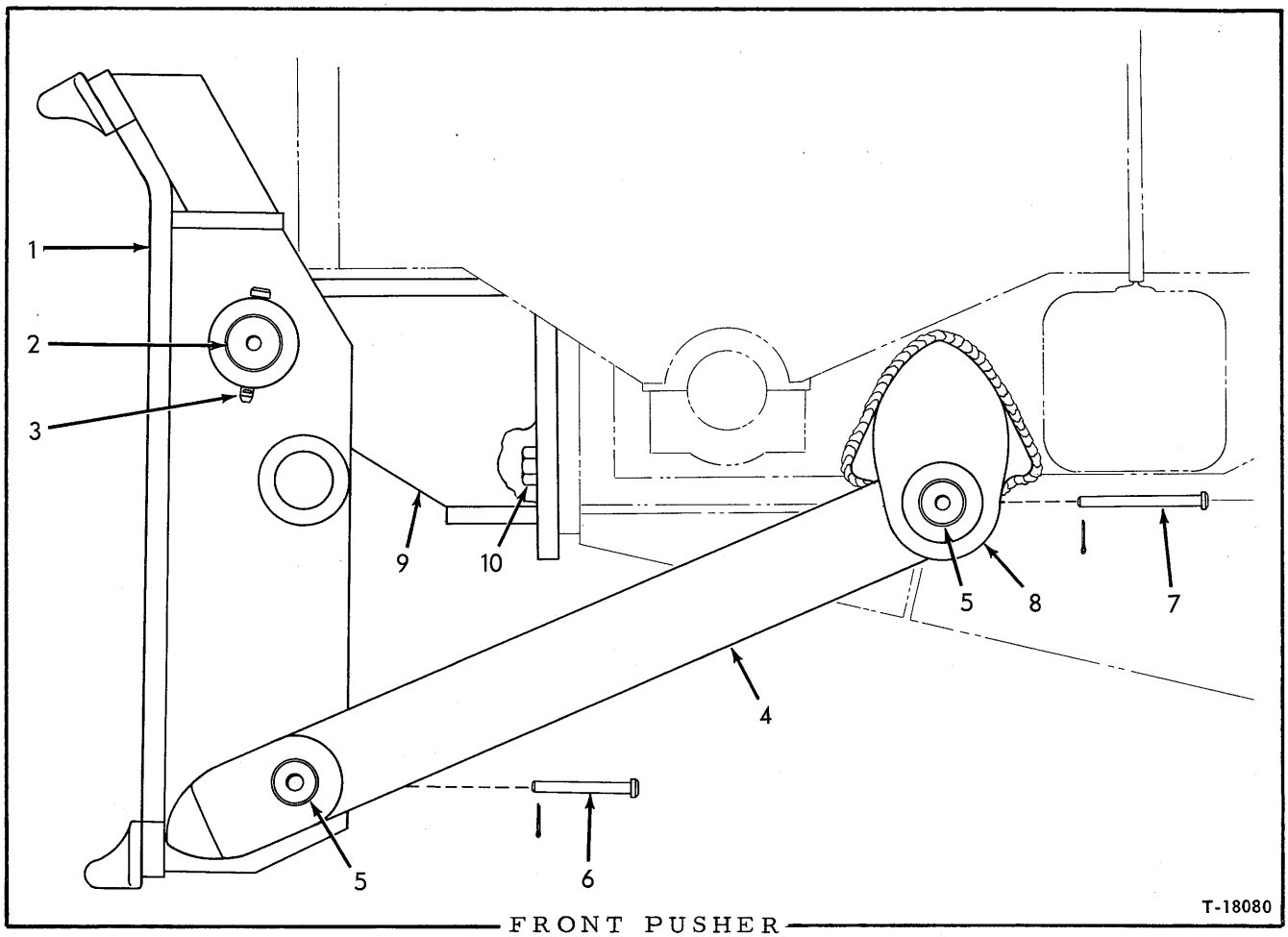
USAGE: Special Equipment on tractors prior to serial No. 5154 excluding No. 5104. Not applicable to units equipped with Power Brakes

* Models HD16AC, DC, FC
** Models HD16A, D

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	------	1	1	ODOMETER (registers miles) (Discontinued)
	70057784	1	1	ODOMETER (registers kilometers)
2	70630785	1	1	WASHER, spacing
3	70055536	1	1	CLIP, odometer mounting (1" diam., 17/32" bolt-hole)
4	70070467	1	1	CAPSCREW, 1/2"NF x 1"
	70910244	1	1	WASHER, plain, SAE std., 1/2"
	70904208	1	1	LOCKWASHER, 1/2"
	70911043	1	1	NUT, 1/2"NF
5	70084284	1	1	STRIP, cushion, odometer mounting (rubber)
6	70084283	1	1	ANGLE, odometer mounting
7	70035073	1	1	CAPSCREW, 1/2"NF x 1-3/4"
	70904208	1	1	LOCKWASHER, 1/2"
8	70064531	1	1	WASHER, plain
9	70077687	1	1	ADAPTER ASSEMBLY (90° elbow. Direct drive) (Serviced only as a unit)
10	70084891	1	1	SHAFT ASSEMBLY, flexible (52-1/2" long) (Serviced only as a unit)
11	70034152	1	1	CLIP, shaft supporting (7/16" diam., 17/32" bolt-hole)
12	70033043	1	1	CLIP, shaft supporting (7/16" diam., 13/32" bolt-hole)
13	------	1	-	ADAPTER ASSEMBLY (Reduction ratio 1 to .300. Includes FITTING indented below) (Discontinued)
	70077680	-	1	ADAPTER ASSEMBLY (Reduction ratio 1 to .266. Includes FITTING indented below. Serviced only as a unit)
	70915275	1	1	FITTING, lubricating, 65°, 1/8"NPT
14	70078407	1	1	KEY, adapter drive (1-9/16" long)
15	------	1	-	ADAPTER ASSEMBLY (Reduction ratio 1 to .200. Includes FITTING indented below) (Discontinued)
	------	-	1	ADAPTER ASSEMBLY (Reduction ratio 1 to .181. Includes FITTING indented below) (Discontinued)
	70915275	1	1	FITTING, lubricating 65°, 1/8"NPT
16	70079540	1	1	COVER ASSEMBLY, pinion shaft (Includes items 17 and 18) (Replaces standard COVER 70069366 on tractors prior to #5043)
	70620514	1	1	COVER ASSEMBLY, pinion shaft (Includes items 17 and 18) (Replaces standard COVER 70098923 on tractors #5043 and up)
17	70069641	1	1	SEAL, oil, drive shaft
18	70079536	2	2	BUSHING, drive shaft

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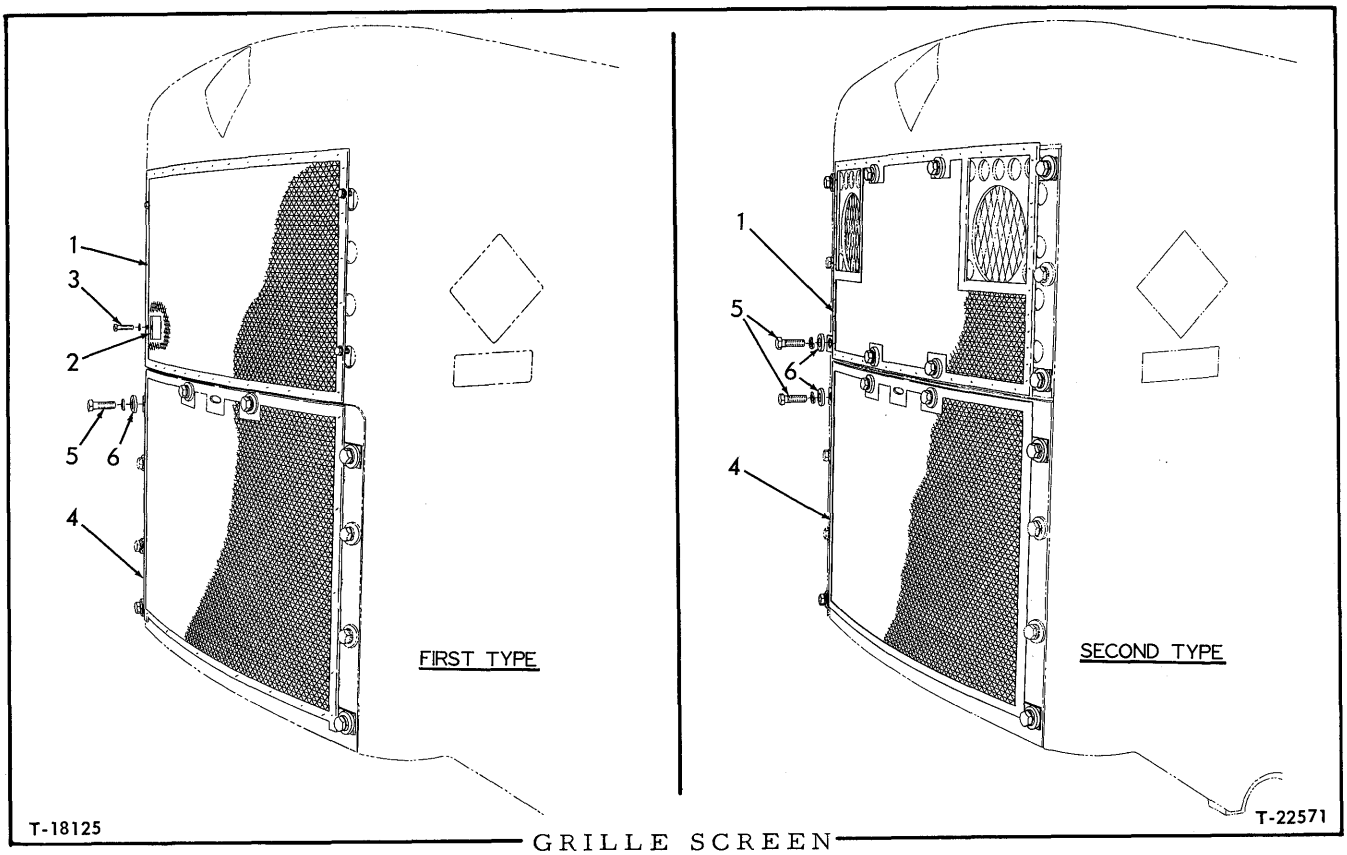
ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
19	70079887	1	1	KEY, drive shaft
20	70079534	1	1	SHAFT, drive
21	70079535	1	1	LOCK, drive shaft (Used prior to tractor #3100 on Models HD16AC, DC, FC and prior to #4085 on Models HD16A, D)
22	70012468	2	2	CAPSCREW, drilled-hd., 5/16"NC x 7/8"
23	70023633	1	1	WIRE, locking, 1/16" x 12"
				NOTE: Items 24 thru 28 comprise the Second Type Drive used on Model HD16AC, DC, FC tractors #3100 thru #5042 and on Model HD16A, D tractors #4085 thru #5042
24	70095672	1	1	PLATE, driving
25	70011089	2	2	CAPSCREW, drilled-hd., 1/4" NF x 3/4"
26	70023633	1	1	WIRE, locking, 1/16" x 12"
27	70095676	2	2	SPACER, driving plate
28	70095674	1	1	NUT, bevel pinion (Replaces standard NUT 078862)
29	70620515	1	1	COUPLING, drive (Effective with tractor #5043)
30	------	1	1	PINION (See TRANSMISSION PINION SHAFT)



FRONT PUSHER

USAGE: Special equipment. Applicable to Models HD16A, AC, D, DC

ITEM	PART NO.	QTY.	DESCRIPTION
1	70080052	1	PUSHER
2	70078497	2	PIN, pusher mounting
3	70078508	2	PIN, retaining, pusher mounting pin
	70900806	2	PIN, cotter, 1/8" x 1"
4	70085658	2	STRUT, pusher bracing
5	70080043	4	PIN, bracing strut
6	70080952	2	PIN, retaining, bracing strut pin, front
	70900806	2	PIN, cotter, 1/8" x 1"
7	70085657	2	PIN, retaining, bracing strut pin, rear
	70900806	2	PIN, cotter, 1/8" x 1"
8	70085659	2	LUG, strut attachment (Requires welding to main frame)
9	70084142	1	BRACKET, mounting
10	70031055	6	CAPSCREW, 1"NF x 3-3/4"
	70910916	6	LOCKWASHER, 1"
	70911047	6	NUT, 1"NF

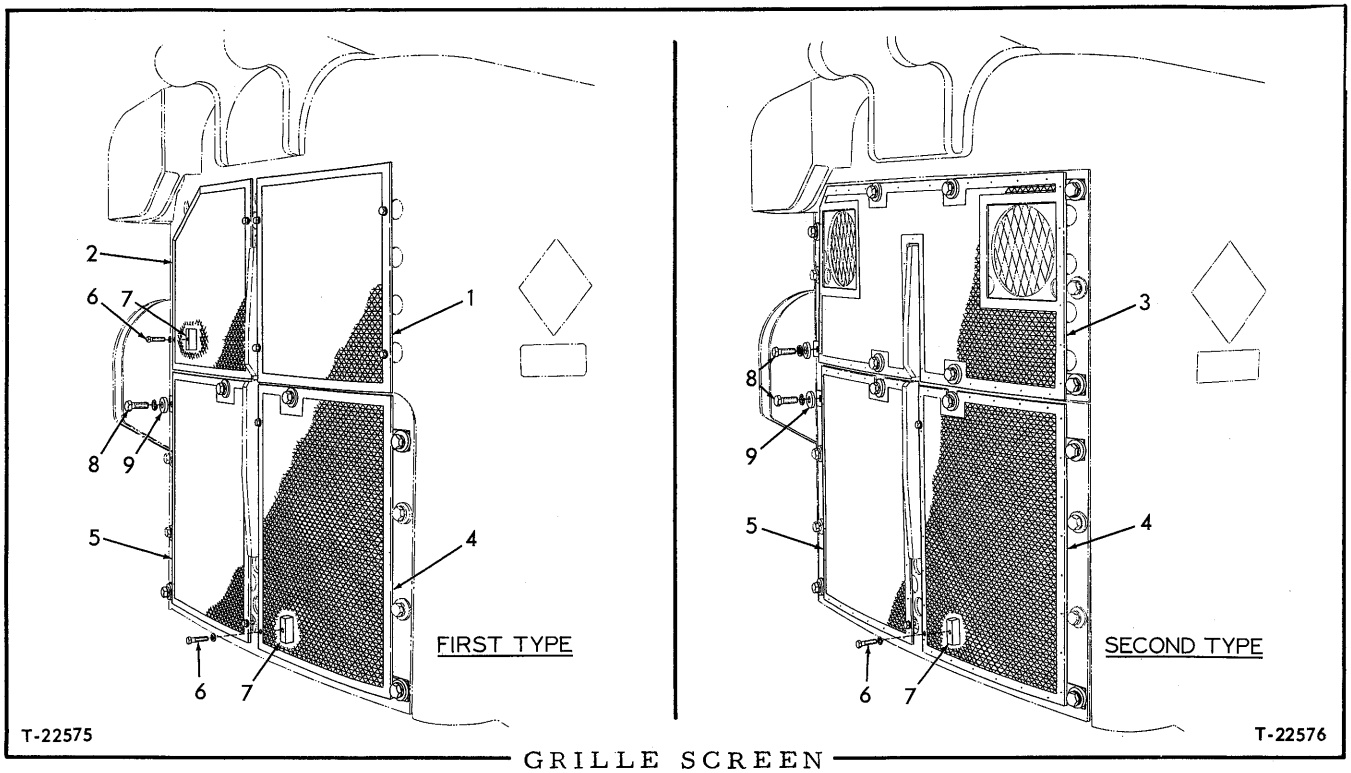


GRILLE SCREEN

USAGE: Special equipment. Applicable to tractors equipped with Standard Radiator Guard. See pages 587 and 589 for other units.

* Used prior to tractor serial No. 2733
** Effective with tractor serial No. 2733

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70087907	1	-	SCREEN, upper section
	70093414	-	1	SCREEN, upper section
2	70087849	4	-	BLOCK, screen attaching capscrew (3/8"NF thread)
3	70203188	4	-	CAPSCREW, upper screen attaching (3/8"NF x 1-1/2")
	70904206	4	-	LOCKWASHER, 3/8"
4	70087897	1	1	SCREEN, lower section
5	70035229	6	14	CAPSCREW, screen attaching (5/8"NF x 2")(Early units)
	70071113	-	14	CAPSCREW, screen attaching (5/8"NC x 2")(Late units)
	70904209	6	14	LOCKWASHER, 5/8"
6	70064810	6	14	WASHER, plain

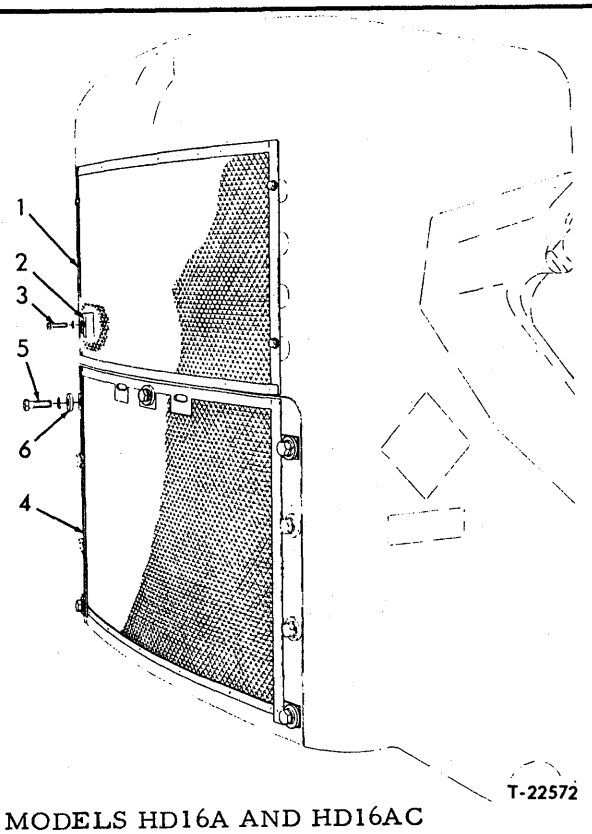


GRILLE SCREEN

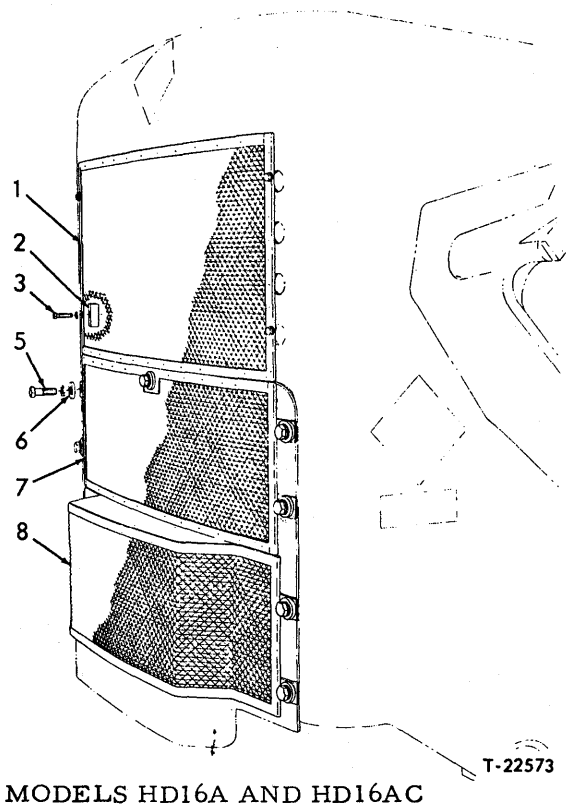
USAGE: Special equipment. Applicable to tractors equipped with Cable Radiator Guard. See pages 586 and 589 for other units.

* Used prior to tractor serial No. 2945
** Effective with tractor serial No. 2945

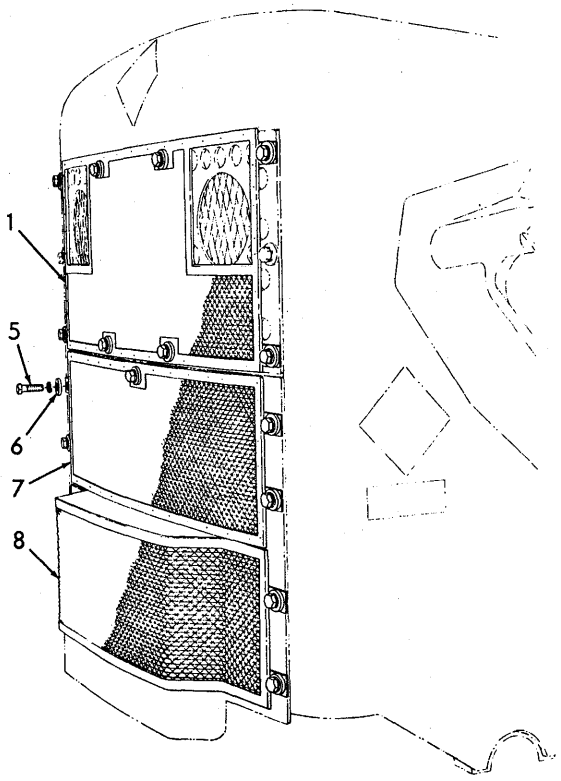
ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70088130	1	-	SCREEN, upper section, left
2	70088129	1	-	SCREEN, upper section, right
3	70093616	-	1	SCREEN, upper section
4	70088115	1	1	SCREEN, lower section, left (Used with rear-mounted cable control unit)
	70098067	-	1	SCREEN, lower section, left (Used with front-mounted cable control unit)
5	70088116	1	1	SCREEN, lower section, right (Used with rear-mounted cable control unit)
	70098068	-	1	SCREEN, lower section, right (Used with front-mounted cable control unit)
6	70203188	11	4	CAPSCREW, screen attaching (3/8"NF x 1-1/2")
	70904206	11	4	LOCKWASHER, 3/8"
7	70087849	11	4	BLOCK, screen attaching capscrew (3/8"NF thread)
8	70035229	6	14	CAPSCREW, screen attaching (5/8"NF x 2")(Early units)
	70071113	-	14	CAPSCREW, screen attaching (5/8"NC x 2")(Late units)
	70904209	6	14	LOCKWASHER, 5/8"
9	70064810	6	14	WASHER, plain



MODELS HD16A AND HD16AC
(FIRST TYPE)



MODELS HD16A AND HD16AC
(SECOND TYPE)



MODELS HD16D AND HD16DC T-22574

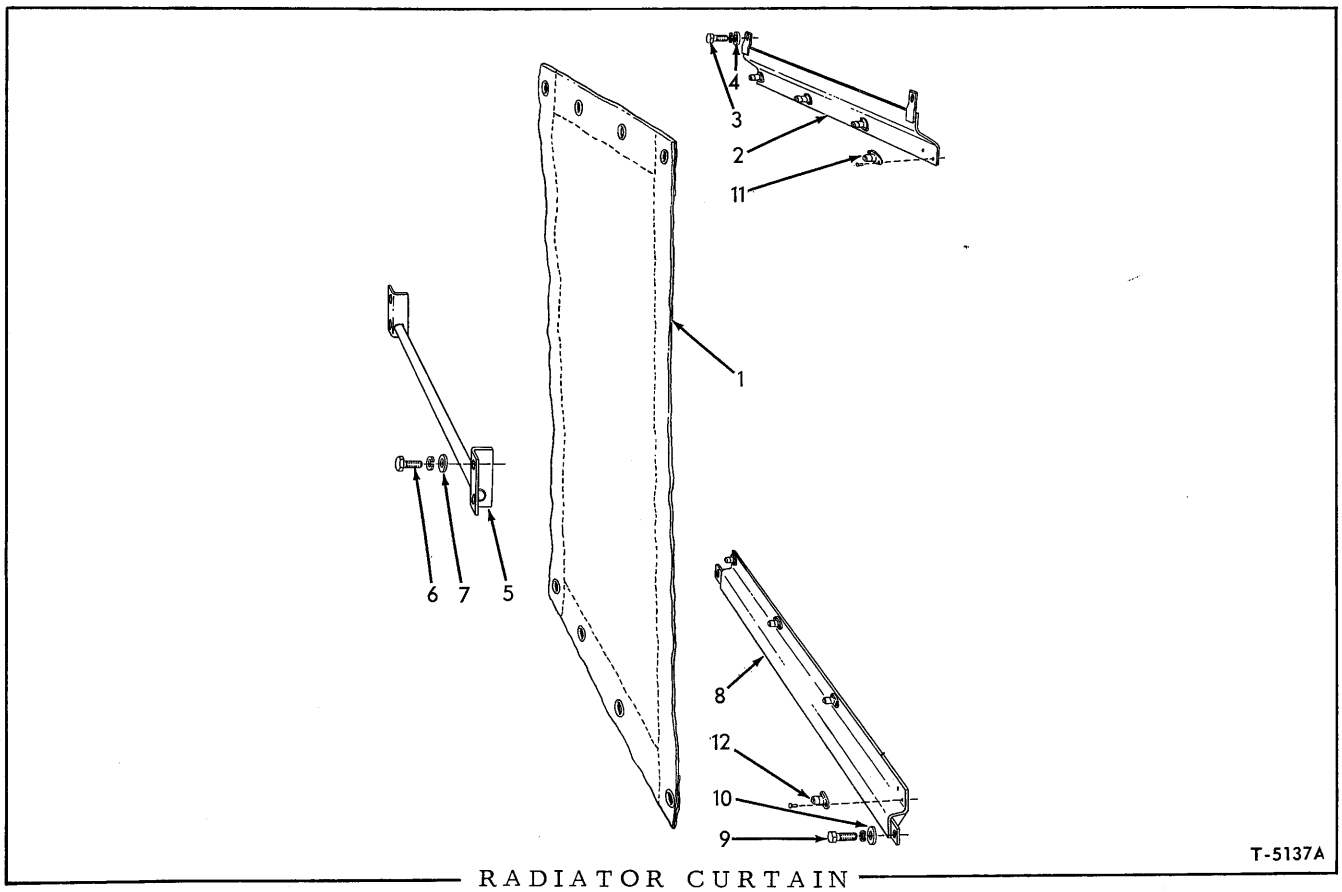
GRILLE SCREEN (For Hydraulic Guard)

GRILLE SCREEN

USAGE: Special equipment. Applicable to tractors equipped with Hydraulic Radiator Guard. See pages 586 and 587 for other units.

* Models HD16A, AC prior to tractor serial No. 2302, including No. 2388.
** Model HD16A, AC tractors serial No. 2302 thru No. 4137 excluding No. 2388
*** Models HD16D, DC; also Models HD16A, AC effective with tractor serial No. 4138

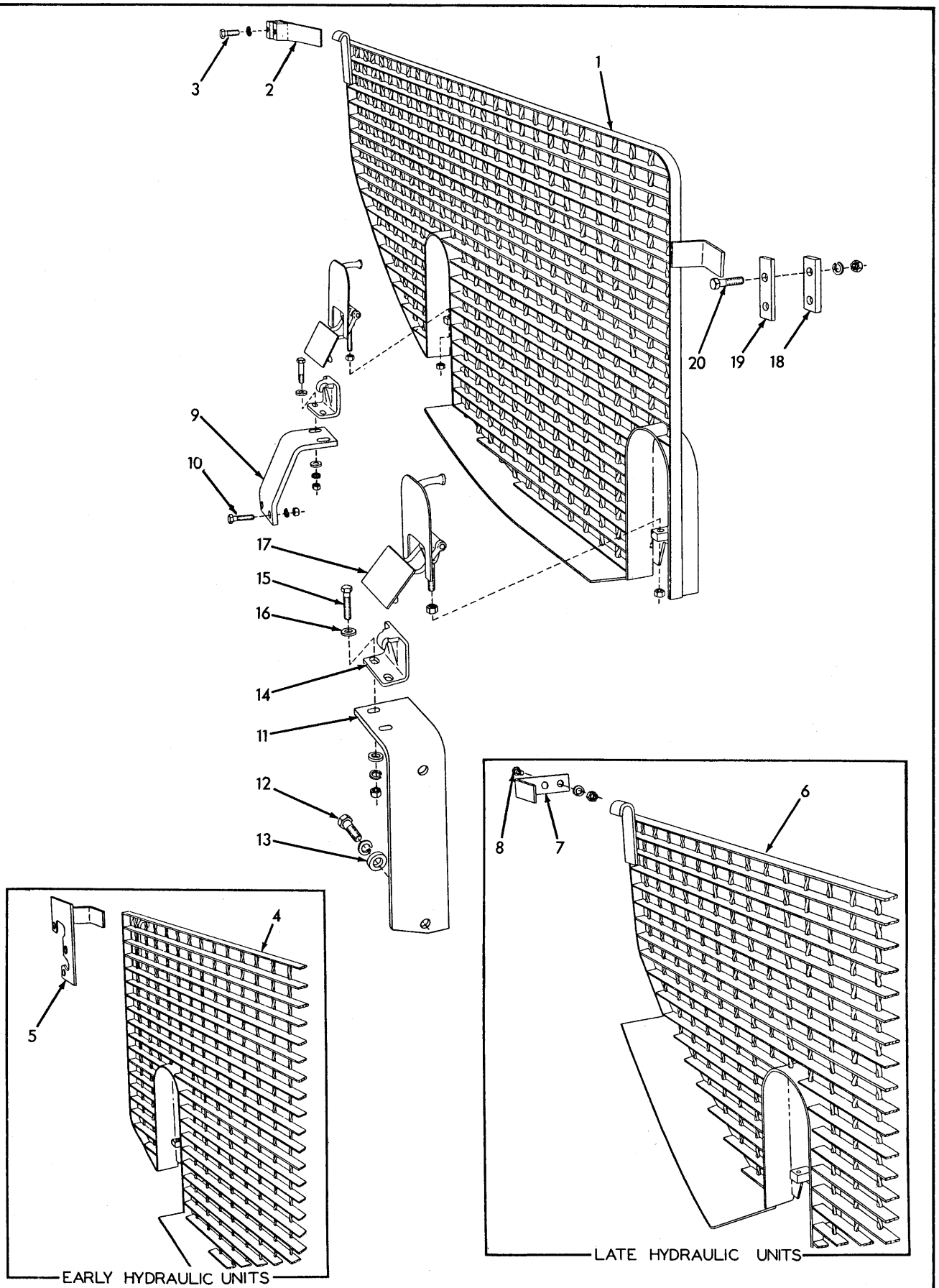
ITEM	PART NO.	QUANTITY *	**	***	DESCRIPTION
1	70087907	1	1	-	SCREEN, upper section
	70093414	-	-	1	SCREEN, upper section
2	70087849	4	4	-	BLOCK, screen attaching capscrew (3/8"NF thread)
3	70203188	4	4	-	CAPSCREW, screen attaching (3/8"NF x 1-1/2")
	70904206	4	4	-	LOCKWASHER, 3/8"
4	70087897	1	-	-	SCREEN, lower section
5	70035229	5	9	17	CAPSCREW, screen attaching (5/8"NF x 2")(Early units)
	70071113	-	-	17	CAPSCREW, screen attaching (5/8"NC x 2")(Late units)
	70904209	5	9	17	LOCKWASHER, 5/8"
6	70064810	5	9	17	WASHER, plain
7	70095105	-	1	1	SCREEN, lower section, upper half
8	70095100	-	1	1	SCREEN, lower section, lower half



RADIATOR CURTAIN

USAGE: Special equipment. Cannot be used on tractors with push-type fan.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70084177	1	CURTAIN
2	70080274	1	BRACKET ASSEMBLY, curtain attaching, upper (Includes item 11)
3	70012992	2	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	2	LOCKWASHER, 3/8"
4	70044973	2	WASHER, plain
5	70085275	1	ROD, curtain supporting
6	70012992	2	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	2	LOCKWASHER, 3/8"
7	70044973	2	WASHER, plain
8	70073853	1	BRACKET ASSEMBLY, curtain attaching, lower (Includes item 12)
9	70012992	2	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	2	LOCKWASHER, 3/8"
10	70044973	2	WASHER, plain
11	70066661	4	FASTENER, curtain (short type)
	70912839	8	RIVET, ctsk-hd., 1/8" x 1/4"
12	70066662	4	FASTENER, curtain (long type)
	70912839	8	RIVET, ctsk-hd., 1/8" x 1/4"



ENGINE SIDE SCREENS (First type)

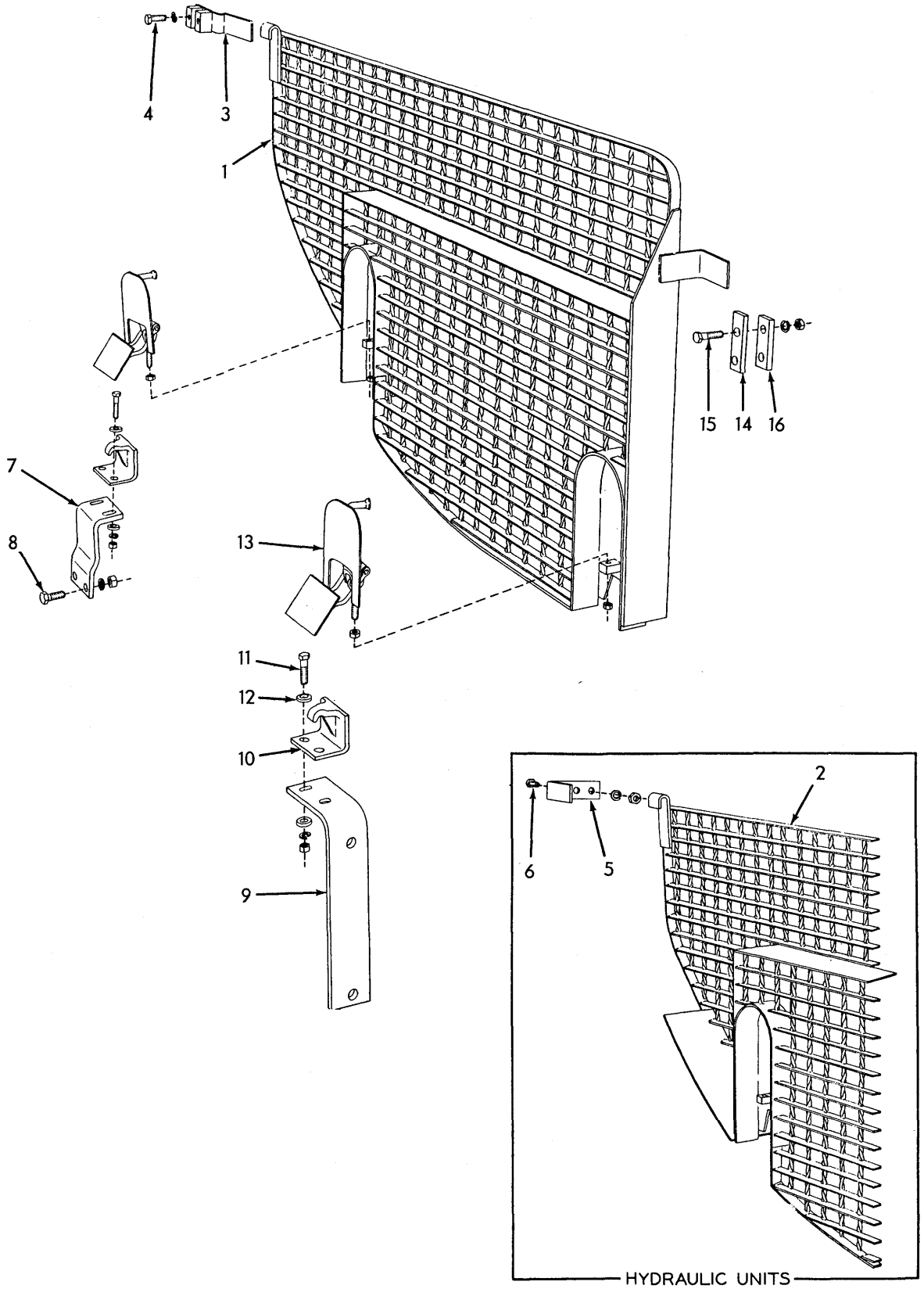
T-18131

ENGINE SIDE SCREENS

USAGE: Special equipment. Applicable to Model HD16A, AC, D, DC tractors prior to serial No. 4001

* Tractors equipped with Standard or Cable Radiator Guard
** Tractors equipped with Hydraulic Radiator Guard prior to serial No. 2302, including No. 2388
*** Tractors equipped with Hydraulic Radiator Guard effective with serial No. 2302, excluding No. 2388

ITEM	PART NO.	QUANTITY *	**	***	DESCRIPTION
1	70083893	1	-	-	SCREEN, left
	70083894	1	-	-	SCREEN, right
2	70085224	2	-	-	BRACKET, front suspension
3	70070469	4	-	-	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	4	-	-	LOCKWASHER, 1/2"
4	70089921	-	1	-	SCREEN, left
	70089922	-	1	-	SCREEN, right
5	70089915	-	1	-	BRACKET, front suspension, left
	70089916	-	1	-	BRACKET, front suspension, right
6	70092741	-	-	1	SCREEN, left
	70092742	-	-	1	SCREEN, right
7	70091835	-	-	2	ANGLE, front suspension
8	70070469	-	-	4	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	-	-	4	LOCKWASHER, 1/2"
	70911043	-	-	4	NUT, 1/2"NF
9	70085447	2	2	-	ANGLE, latching bracket supporting, front
	70092738	-	-	2	ANGLE, latching bracket supporting, front
10	70070469	4	4	4	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	4	4	4	LOCKWASHER, 1/2"
	70911043	4	4	4	NUT, 1/2"NF
11	70085497	1	1	1	ANGLE, latching bracket supporting, left rear
	70085498	1	1	1	ANGLE, latching bracket supporting, right rear
12	70035073	4	4	4	CAPSCREW, 1/2"NF x 1-3/4"
	70904208	4	4	4	LOCKWASHER, 1/2"
13	70064531	4	4	4	WASHER, plain
14	70091063	4	4	4	BRACKET, latching
15	70203188	8	8	8	CAPSCREW, 3/8"NF x 1-1/2"
16	70044973	16	16	16	WASHER, plain
	70904206	8	8	8	LOCKWASHER, 3/8"
	70911041	8	8	8	NUT, 3/8"NF
17	70093401	4	4	4	LATCH ASSEMBLY (Serviced only as a unit)
	70911041	8	8	8	NUT, 3/8"NF
18	70085189	2	2	2	BLOCK, spacing
19	70085193	2	2	2	BLOCK, retaining
20	70203188	4	4	4	CAPSCREW, 3/8"NF x 1-1/2"
	70904206	4	4	4	LOCKWASHER, 3/8"
	70911041	4	4	4	NUT, 3/8"NF



T-22616

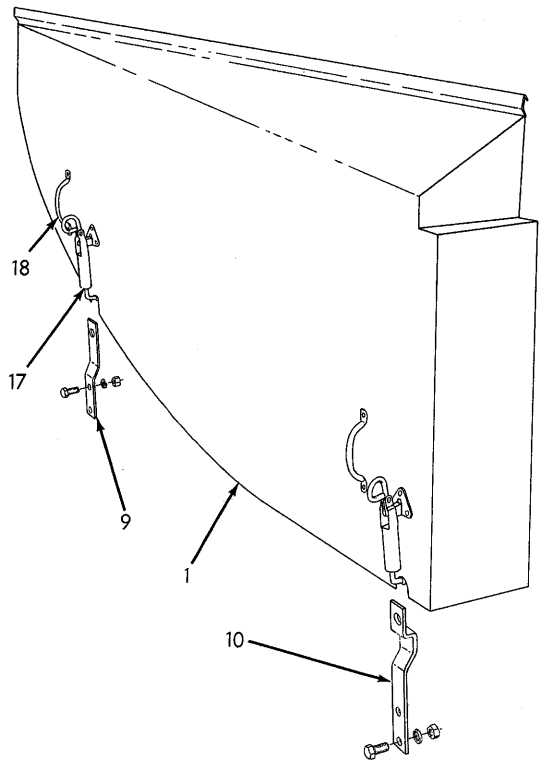
ENGINE SIDE SCREENS (Second type)

ENGINE SIDE SCREENS

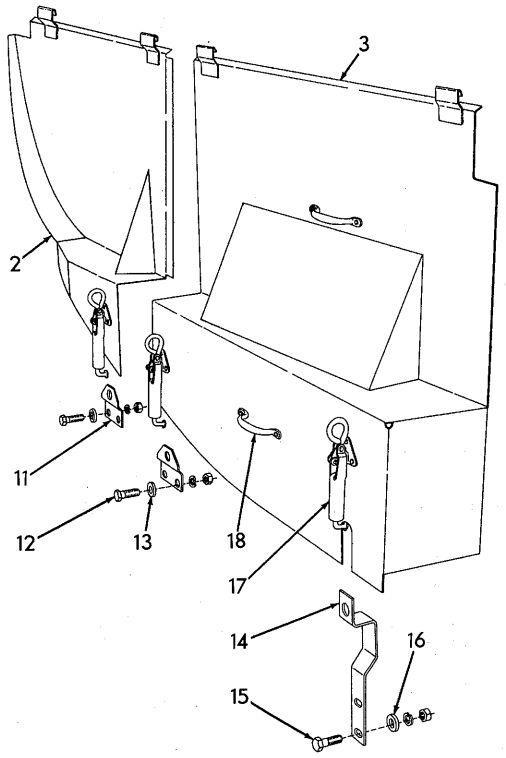
USAGE: Special equipment. Applicable to Model HD16A, AC, D, DC tractors serial No. 4001 and up

* Tractors equipped with Standard or Cable Radiator Guard
** Tractors equipped with Hydraulic Radiator Guard

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70097811	1	-	SCREEN, left side
	70083894	1	-	SCREEN, right side
2	70097776	-	1	SCREEN, left side
	70092742	-	1	SCREEN, right side
3	70085224	2	-	BRACKET, front suspension
4	70070469	4	-	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	4	-	LOCKWASHER, 1/2"
5	70091835	-	2	ANGLE, front suspension
6	70070469	-	4	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	-	4	LOCKWASHER, 1/2"
	70911043	-	4	NUT, 1/2"NF
7	70097778	1	1	ANGLE, latch supporting, left front
	70085447	1	-	ANGLE, latch supporting, right front
	70092738	-	1	ANGLE, latch supporting, right front
8	70070469	4	4	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	4	4	LOCKWASHER, 1/2"
	70911043	4	4	NUT, 1/2"NF
9	70097779	1	1	ANGLE, latch supporting, left rear
	70085498	1	1	ANGLE, latch supporting, right rear
10	70091063	4	4	BRACKET, latching
11	70203188	8	8	CAPSCREW, 3/8"NF x 1-1/2"
12	70044973	16	16	WASHER, plain
	70904206	8	8	LOCKWASHER, 3/8"
	70911041	8	8	NUT, 3/8"NF
13	70093401	4	4	LATCH ASSEMBLY (Serviced only as a unit)
	70911041	8	8	NUT, 3/8"NF
14	70085193	2	2	BLOCK, retaining
15	70203188	4	4	CAPSCREW, 3/8"NF x 1-1/2"
	70904206	4	4	LOCKWASHER, 3/8"
	70911041	4	4	NUT, 3/8"NF
16	70085189	2	2	BLOCK, spacing



FIRST TYPE

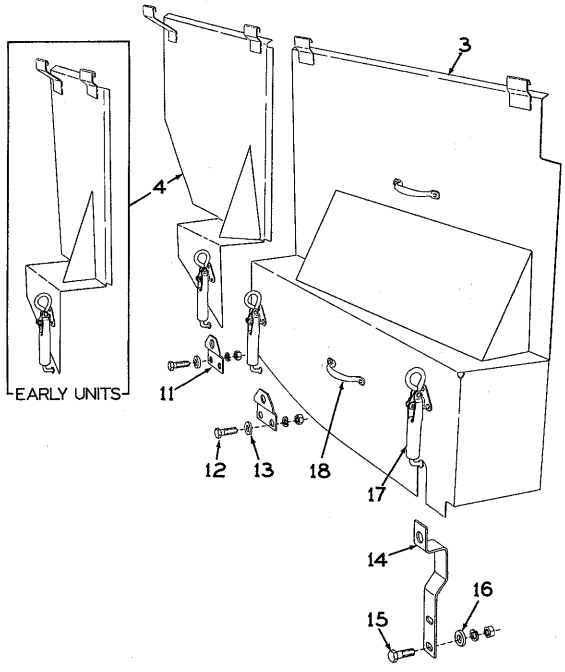


SECOND TYPE

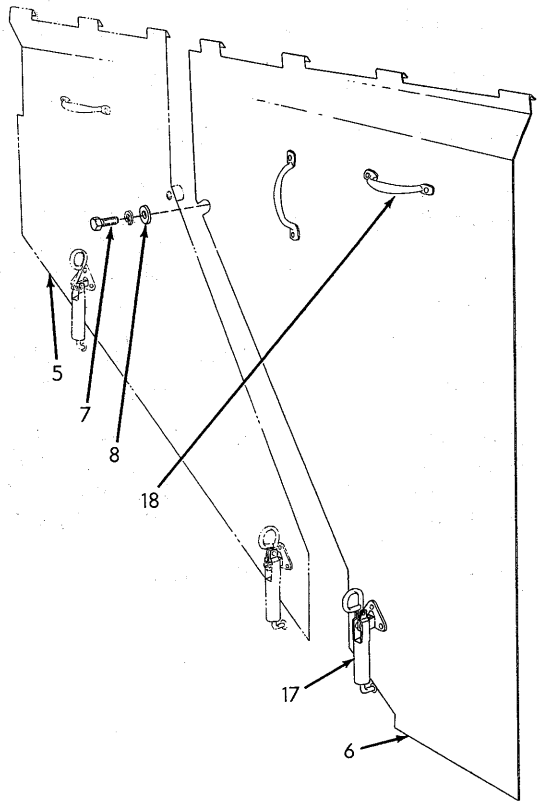
T-18084

STANDARD AND CABLE UNITS

T-18126



HYDRAULIC UNITS



MODEL HD16GC

T-18127

HOOD SIDE PLATES

T-18128

HOOD SIDE PLATES

USAGE: Special equipment. Applicable to all models except HD16FC

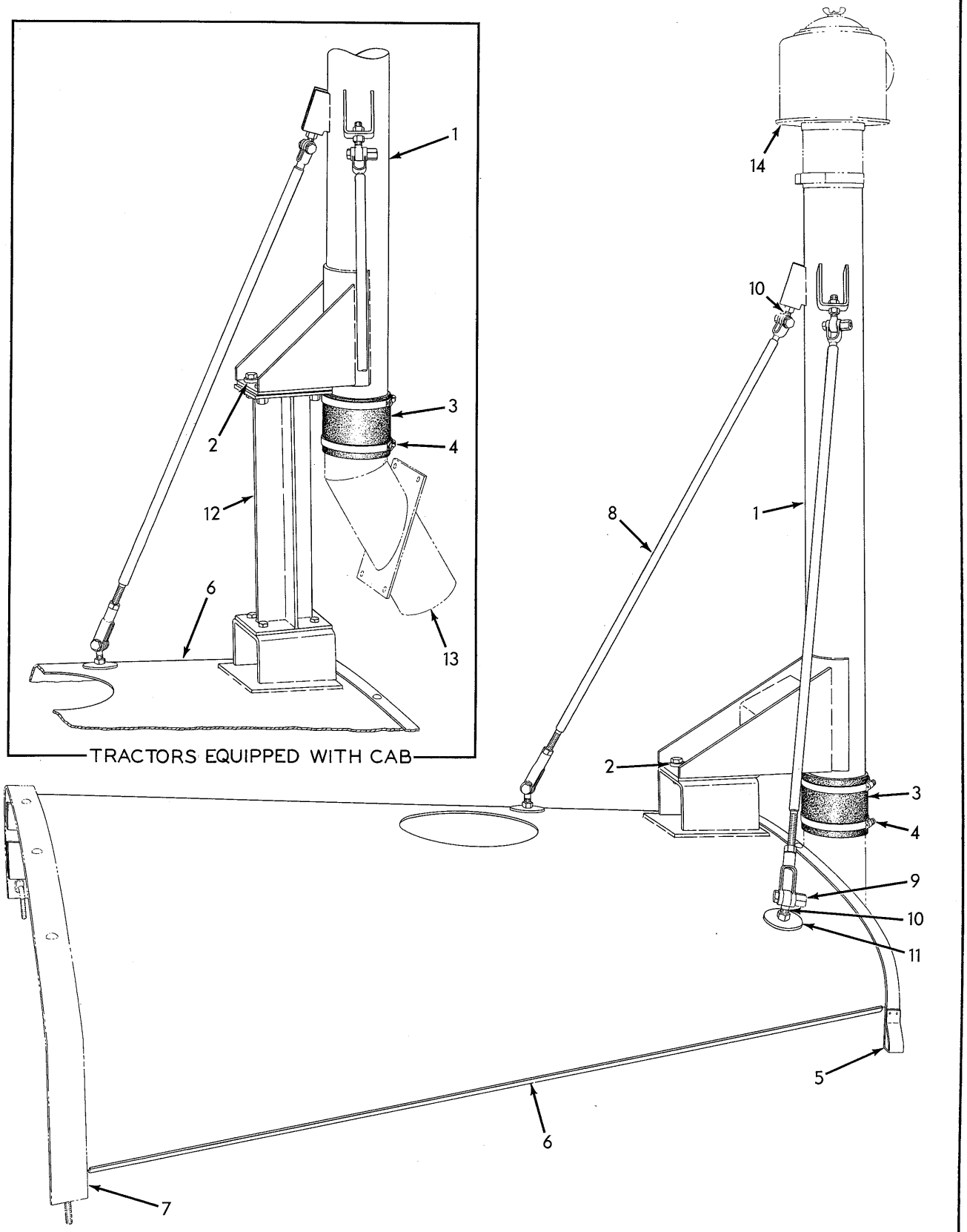
* Tractors equipped with Standard or Cable Radiator Guard prior to May 1962
** Tractors equipped with Standard or Cable Radiator Guard effective May 1962
Δ Tractors equipped with Hydraulic Radiator Guard
ΔΔ Model HD16GC

ITEM	PART NO.	QUANTITY *	**	Δ	ΔΔ	DESCRIPTION
1	------	1	-	-	-	PLATE ASSY., left side (Includes items 17 and 18)(Order 1 each STRAP 70091790, PLATE ASSY. 70093641, PLATE ASSY 70097730; 2 each BRACKET 70091805, NUT 70911043; 6 each CAPSCREW 70035018, WASHER 70064531; also 1 PRINT 70093639)
	------	1	-	-	-	PLATE ASSY., right side (Includes items 17 and 18) (Order 1 each STRAP 70091790, PLATE ASSY. 70093642, PLATE ASSY. 70093654; 2 each BRACKET 70091805, NUT 70911043; 6 each CAPSCREW 70035018, WASHER 70064531; also 1 PRINT 70093639)
2	70093641	-	1	-	-	PLATE ASSEMBLY, front, left side (Includes item 17)
	70093642	-	1	-	-	PLATE ASSEMBLY, front, right side (Includes item 17)
3	70097730	-	1	1	-	PLATE ASSEMBLY, rear, left side (Includes items 17 and 18)
	70093654	-	1	1	-	PLATE ASSEMBLY, rear, right side (Includes items 17 and 18)
4	70093651	-	-	1	-	PLATE ASSEMBLY, front, left side (Includes item 17) (Used prior to tractor #2302, including #2388)
	70093663	-	-	1	-	PLATE ASSEMBLY, front, left side (Includes item 17) (Effective with tractor #2302, excluding #2388)
	70093652	-	-	1	-	PLATE ASSEMBLY, front, right side (Includes item 17) (Used prior to tractor #2302, including #2388)
	70093664	-	-	1	-	PLATE ASSEMBLY, front, right side (Includes item 17) (Effective with tractor #2302, excluding #2388)
5	------	-	-	-	2	PLATE ASSEMBLY (See HOOD)
6	70090069	-	-	-	1	PLATE ASSEMBLY, left side (Includes items 17 and 18)
	70090070	-	-	-	1	PLATE ASSEMBLY, right side (Includes items 17 and 18)
7	70035061	-	-	-	2	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	-	-	-	2	LOCKWASHER, 1/2"
8	70064531	-	-	-	2	WASHER, plain
9	70085627	2	-	-	-	STRAP, latching, front
	70910319	4	-	-	-	CAPSCREW, 1/2"NF x 1"
	70904208	4	-	-	-	LOCKWASHER, 1/2"
	70911043	4	-	-	-	NUT, 1/2"NF
10	70085624	2	-	-	-	STRAP, latching, rear
	70910319	4	-	-	-	CAPSCREW, 1/2"NF x 1"
	70904208	4	-	-	-	LOCKWASHER, 1/2"
	70911043	4	-	-	-	NUT, 1/2"NF

(Continued)

HOOD SIDE PLATES (Continued)

ITEM	PART NO.	QUANTITY *	**	Δ	ΔΔ	DESCRIPTION
11	70091805	-	4	4	-	BRACKET, latching
12	70035018	-	8	8	-	CAPSCREW, 1/2"NF x 1-1/2"
13	70064531	-	8	8	-	WASHER, plain
	70904208	-	8	8	-	LOCKWASHER, 1/2"
	70911043	-	8	8	-	NUT, 1/2"NF
14	70091790	-	2	2	-	STRAP, latching
15	70035018	-	4	4	-	CAPSCREW, 1/2"NF x 1-1/2"
16	70064531	-	4	4	-	WASHER, plain
	70904208	-	4	4	-	LOCKWASHER, 1/2"
	70911043	-	4	4	-	NUT, 1/2"NF
17	70033060	4	6	6	2	FASTENER
	70900764	12	18	18	6	RIVET, fl-hd., 3/16" x 1/2"
18	70032834	4	4	4	4	HANDLE, lifting
	70900764	8	8	8	8	RIVET, fl-hd., 3/16" x 1/2"



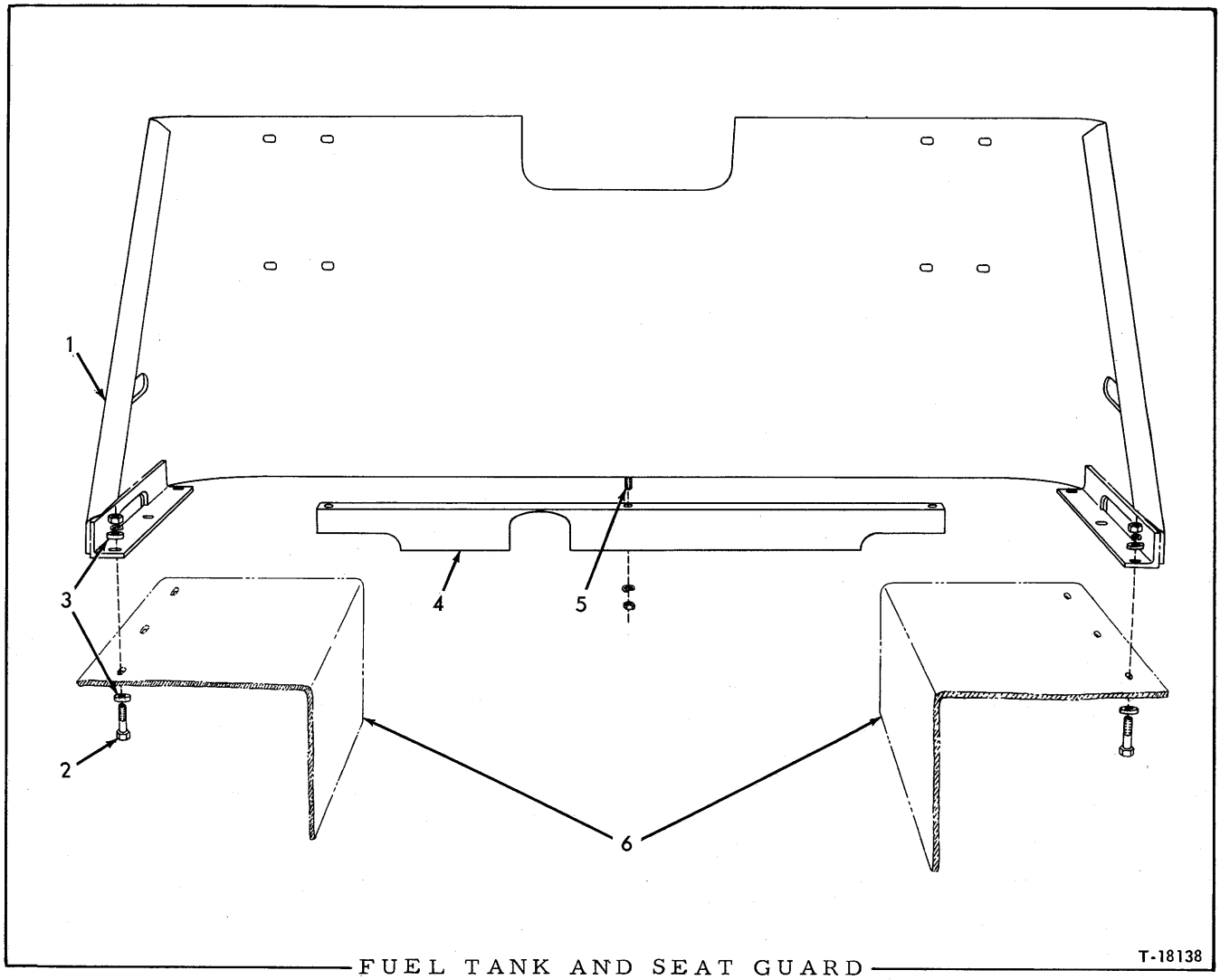
AIR PRE-CLEANER EXTENSION

AIR PRE-CLEANER EXTENSION

USAGE: Special Equipment. Applicable to Models HD16A, AC, D, DC

* Tractors not equipped with cab
** Tractors equipped with cab

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70084150	1	-	TUBE, extension
	70092847	-	1	TUBE, extension
	70911978	4	4	CAPSCREW, 1/2"NF x 1-1/2"
2	70064531	4	4	WASHER, plain
	70904208	4	4	LOCKWASHER, 1/2"
	70911043	4	4	NUT, 1/2"NF
3	70074335	1	1	HOSE, extension tube
4	70921919	2	2	CLAMP, hose, 4-5/8" to 7-1/4" diam.
5	70074399	1	1	STRAP, hold-down, rear (Replaces standard STRAP 70059532)
6	70084220	1	1	HOOD, engine (Replaces standard HOOD 70093140 on tractors prior to #4001)
	70097680	1	1	HOOD, engine (Replaces standard HOOD 70097492 on tractors #4001 and up)
7	------	1	1	STRAP, hold-down, front (See HOOD)
8	70084227	2	2	ROD, extension tube bracing
	70911043	2	2	NUT, 1/2"NF
	70917666	2	2	YOKE, rod end, adjustable, 1/2"NF
	70912192	4	4	CAPSCREW, 1/2"NF x 1-3/4"
9	70038234	4	4	NUT, high, 1/2"NF
10	70067902	4	4	BOLT, eye
	70911043	8	8	NUT, 1/2"NF
11	70085453	4	4	WASHER, hood reinforcing
12	70092902	-	1	BRACKET, supporting, extension tube
	70911978	-	4	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	-	4	LOCKWASHER, 1/2"
	70911043	-	4	NUT, 1/2"NF
13	------	-	1	EXTENSION, air cleaner (See CAB)
14	------	1	1	PRE-CLEANER ASSEMBLY (See AIR CLEANER)

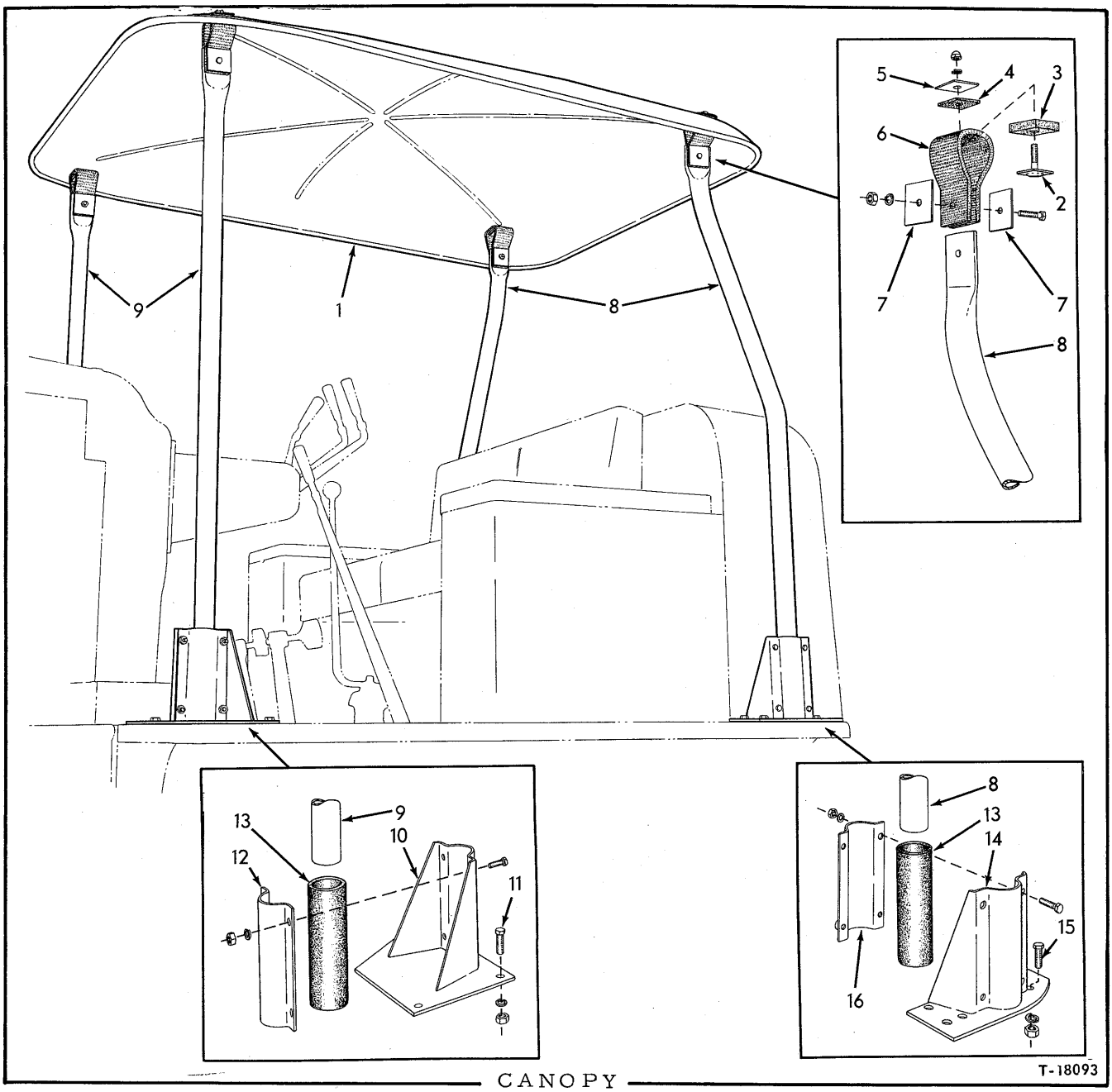


FUEL TANK AND SEAT GUARD

USAGE: Special equipment. Applicable to Models HD16A, AC, D, DC. Requires heavy fenders for installation.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70060806	1	GUARD
2	70035248	6	CAPSCREW, 5/8"NF x 2-1/4"
3	70064810	12	WASHER, plain
	70904209	6	LOCKWASHER, 5/8"
	70911044	6	NUT, 5/8"NF
4	70065936	1	ANGLE, reinforcing (Used prior to approx. December 1957)
5	70023465	3	CAPSCREW, 5/8"NF x 1-3/4"
	70904209	3	LOCKWASHER, 5/8"
	70911044	3	NUT, 5/8"NF
6	------	-	FENDER (See REAR FENDERS)

MEMO



CANOPY

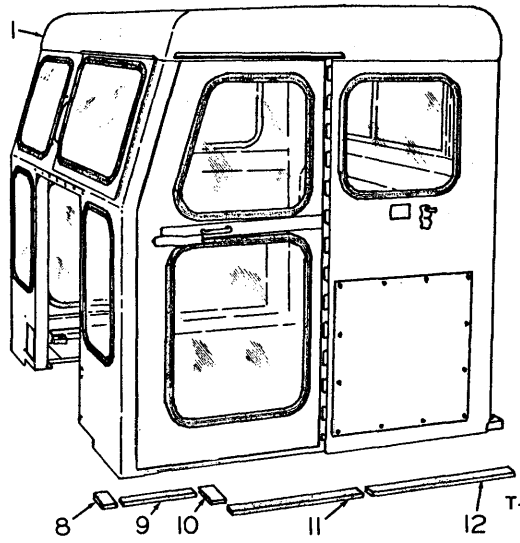
USAGE: Special equipment. Applicable to Models HD16A, AC, D, DC

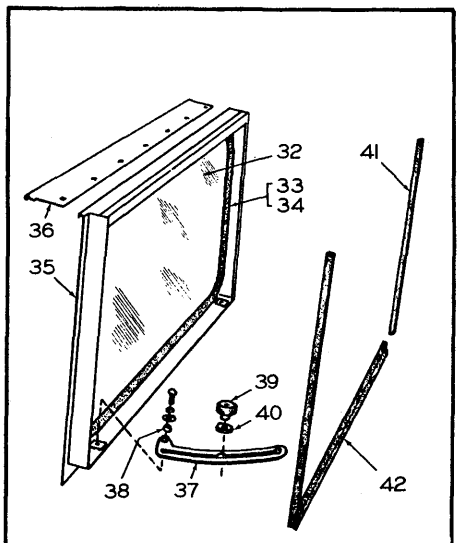
ITEM	PART NO.	QTY.	DESCRIPTION
1	52000	1	ΔCANOPY
2	52015	4	ΔBOLT, canopy
	70904206	4	LOCKWASHER, 3/8"
	70918471	4	NUT, cap, 3/8"NC
3	52013	4	ΔPAD, canopy bolt, lower (rubber, 1/2" thick)
4	52014	4	ΔPAD, canopy bolt, upper (rubber, 1/8" thick)
5	70088556	4	PLATE, canopy bolt upper pad

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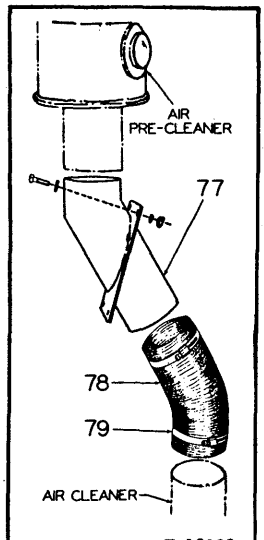
ITEM	PART NO.	QTY.	DESCRIPTION
6	52018	4	△STRAP, canopy (fibre)
	70903633	4	CAPSCREW, 3/8"NC x 1-3/4"
	70904206	4	LOCKWASHER, 3/8"
	70911026	4	NUT, 3/8"NC
7	52017	8	△WASHER, canopy strap (2-1/2" square)
8	58721	2	△POST, rear
9	58722	2	△POST, front
10	A68910L	1	△BRACKET, mounting, left front
	A68910R	1	△BRACKET, mounting, right front
11	70035733	6	CAPSCREW, 1/2"NC x 1-3/8"
	70904208	6	LOCKWASHER, 1/2"
	70911028	6	NUT, 1/2"NC
12	52010	2	△CLAMP, front mounting bracket
	70903631	8	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	8	LOCKWASHER, 3/8"
	70911026	8	NUT, 3/8"NC
13	52012	4	△BUSHING, mounting bracket (rubber)
14	A68905L	1	△BRACKET, mounting, left rear
	A68905R	1	△BRACKET, mounting, right rear
15	70035733	8	CAPSCREW, 1/2"NC x 1-3/8"
	70904208	8	LOCKWASHER, 1/2"
	70911028	8	NUT, 1/2"NC
16	A58701	2	△CLAMP, rear mounting bracket
	70903631	8	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	8	LOCKWASHER, 3/8"
	70911026	4	NUT, 3/8"NC

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

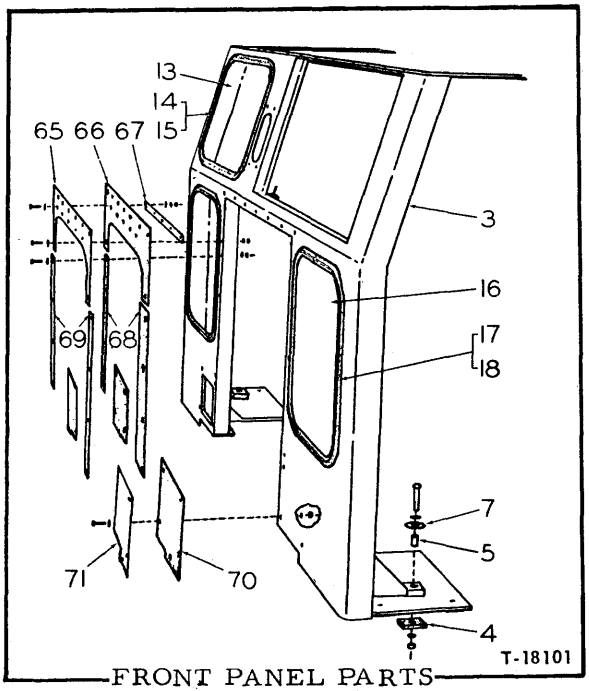




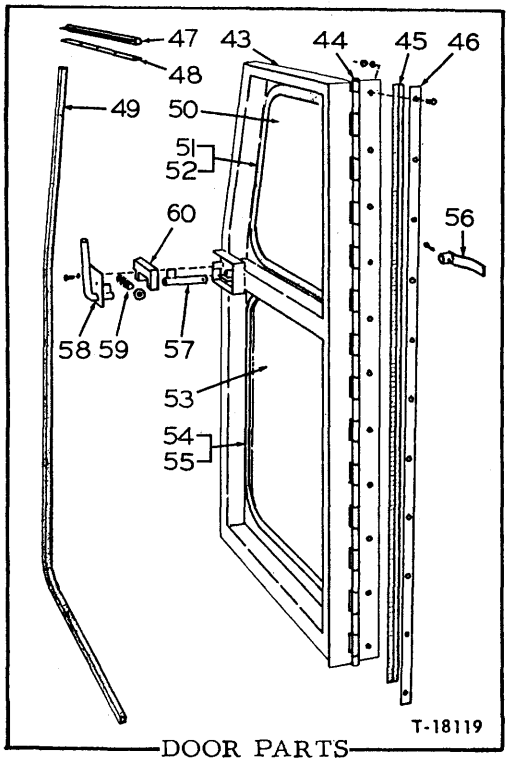
WINDSHIELD PARTS



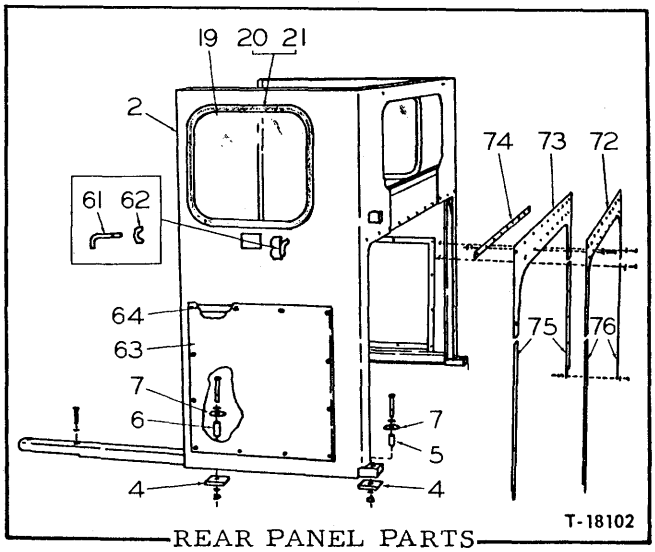
AIR CLEANER EXTENSION



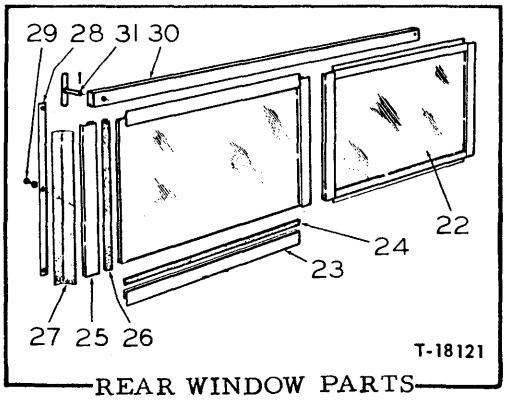
FRONT PANEL PARTS



DOOR PARTS



REAR PANEL PARTS



REAR WINDOW PARTS

CAB

CAB

USAGE: Special equipment. Applicable to Models HD16A, AC, D, DC

ITEM	PART NO.	QTY.	DESCRIPTION
			NOTE: All parts indicated by triangle (△) below must be procured thru Allen Industrial Products, Inc., Menomonee Falls, Wisconsin. Vendor's part numbers are listed.
1	67815	1	△TOP, cab
	70903630	2	CAPSCREW, 3/8"NC x 1"
	70903631	25	CAPSCREW, 3/8"NC x 1-1/4"
	70914814	4	SCREW, machine, fl-hd., 3/8"NC x 1"
	70904206	31	LOCKWASHER, 3/8"
	70911026	29	NUT, 3/8"NC
	70903773	10	CAPSCREW, 5/16"NC x 1-1/4"
	70904205	10	LOCKWASHER, 5/16"
	70911025	10	NUT, 5/16"NC
2	67830	1	△PANEL, cab rear section (Stripped of all removable parts)
	70905668	2	CAPSCREW, 1/2"NC x 3-1/4"
	70906700	2	CAPSCREW, 1/2"NC x 3-3/4"
	70903641	4	CAPSCREW, 1/2"NC x 2-1/4"
	70910244	4	WASHER, plain, SAE std., 1/2"
	70904208	8	LOCKWASHER, 1/2"
	70911028	4	NUT, 1/2"NC
3	67865	1	△PANEL, cab front section (Stripped of all removable parts)
	70905668	4	CAPSCREW, 1/2"NC x 3-1/4"
	70910244	4	WASHER, plain, SAE std., 1/2"
	70904208	8	LOCKWASHER, 1/2"
	70911028	4	NUT, 1/2"NC
4	42951	8	△MOUNT, shock (rubberized fabric)
5	67971	6	△BUSHING, shock mount spacing (1-1/2" long)
6	67972	2	△BUSHING, shock mount spacing (2" long)
7	42950	8	△WASHER, shock mount (rubberized fabric)
8	3841-4-1/2	2	△STRIP, sealing, cab sill (rubber, 4-1/2" long)
9	3841-10	2	△STRIP, sealing, cab sill (rubber, 10" long)
10	3841-6	2	△STRIP, sealing, cab sill (rubber, 5-1/2" long)
11	70084925	2	STRIP, sealing, cab sill (rubber, 18-1/2" long)
12	3841-23	2	△STRIP, sealing, cab sill (rubber, 22-3/8" long)
13	70089027	1	GLASS, front panel, upper
14	3400-79	1	SEAL, front panel upper glass
15	3401-79	1	△STRIP, expanding, front panel upper glass seal
16	70089432	2	GLASS, front panel, lower
17	70089020	2	SEAL, front panel lower glass
18	70089022	2	STRIP, expanding, front panel lower glass seal
19	70077471	2	GLASS, rear panel, side

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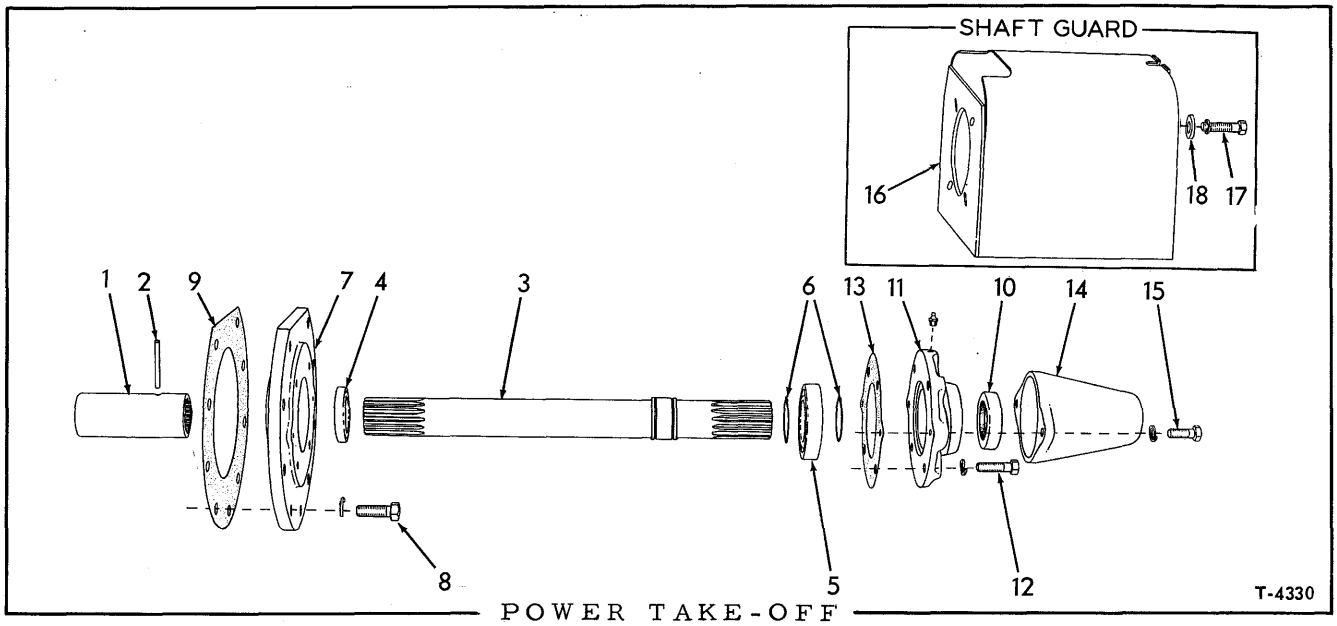
ITEM	PART NO.	QTY.	DESCRIPTION
20	70077977	2	SEAL, rear panel side glass
21	70077982	2	STRIP, expanding, rear panel side glass seal
22	70088980	2	GLASS, sliding, rear panel
23	67952	4	△CHANNEL, upper and lower, sliding glass
24	3452-23	4	△SEAL, sliding glass upper and lower channel (22-3/4" long)
25	3110-14	4	△CHANNEL, side, sliding glass
26	70088976	4	SEAL, sliding glass side channel (15-1/4" long)
27	3537-14	2	△SEAL, sliding glass
28	67938	2	△RETAINER, sliding glass seal
29	70918157	6	SCREW, truss-hd., 1/4"NC x 3/4"
	70906958	6	LOCKWASHER, int-teeth, 1/4"
30	A67935	1	△RETAINER, sliding glass
31	70089109	2	HANDLE, rear glass locking
	70900805	2	PIN, cotter, 1/8" x 3/4"
32	70089026	1	GLASS, windshield
33	3400-104	1	△SEAL, windshield glass
34	70089023	1	STRIP, expanding, windshield glass seal
35	70089025	1	FRAME, windshield (Stripped of all removable parts. Includes item 37)(Used prior to cab #11563)
	A67915	1	△FRAME, windshield (Stripped of all removable parts)(Effective with cab #11563)
36	A67920	1	△HINGE, windshield
37	67918 L	1	△REGULATOR, windshield, left
	67918 R	1	△REGULATOR, windshield, right
	70904557	2	RIVET, ctsk-hd., 3/8" x 3/4" (Used prior to cab #11563)
	70903629	2	CAPSCREW, 3/8"NC x 3/4" (Effective with cab #11563)
	70904206	2	LOCKWASHER, 3/8" (Effective with cab #11563)
	70900817	2	WASHER, plain, U.S. std., 3/8" (Effective with cab #11563)
38	67914	2	△SLEEVE, windshield regulator (Effective with cab #11563)
39	67941	2	△KNOB, locking, windshield regulating arm
40	70084919	2	SPACER, windshield regulating arm locking knob
41	70089639	1	SEAL, windshield, right side (19-3/4" long)
42	70089024	1	SEAL, windshield, bottom and left side (60" long)

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
43	A67900L	1	△DOOR, left (Stripped of all removable parts. Includes item 44)
	A67900R	1	△DOOR, right (Stripped of all removable parts. Includes item 44)
	70903772	22	CAPSCREW, 5/16"NC x 1"
	70904205	22	LOCKWASHER, 5/16"
	70911025	22	NUT, 5/16"NC
44	67908	2	△HINGE, door (Requires welding to door)
45	3530-54	2	△SEAL, door back (54" long)
46	67927	2	△RETAINER, door back seal
47	70089085	2	SEAL, door top (21-1/8" long)
48	70089102	2	RETAINER, door top seal
49	3838-83	2	△SEAL, door bottom and front (83" long)
50	70088911	2	GLASS, door, upper
51	3400-71	2	△SEAL, door upper glass
52	70077767	2	STRIP, expanding, door upper glass seal
53	70077467	2	GLASS, door, lower
54	70077783	2	SEAL, door lower glass
55	70077765	2	STRIP, expanding, door lower glass seal
56	70084920	2	HANDLE, door, outside
	70912264	2	CAPSCREW, socket-hd., 5/16"NC x 1"
57	70084877	1	SHAFT, right outside door handle
	70084878	1	SHAFT, left outside door handle
58	70084875	1	HANDLE ASSEMBLY, inside, right door
	70084876	1	HANDLE ASSEMBLY, inside, left door
	70910167	4	CAPSCREW, 5/16"NF x 3/4"
	70904205	4	LOCKWASHER, 5/16"
59	70085016	2	SPRING, door latching bolt
	70911115	6	WASHER, plain, SAE std., 3/8"
60	70084879	1	BOLT, right door latching
	70084880	1	BOLT, left door latching
61	70088979	2	HOOK, door hold-back
62	70085559	2	NUT, wing, 5/8"NC
63	A-42924	2	△COVER ASSEMBLY, battery access (Includes item 64)
	70903626	24	CAPSCREW, 5/16"NC x 3/4"
	70904205	24	LOCKWASHER, 5/16"

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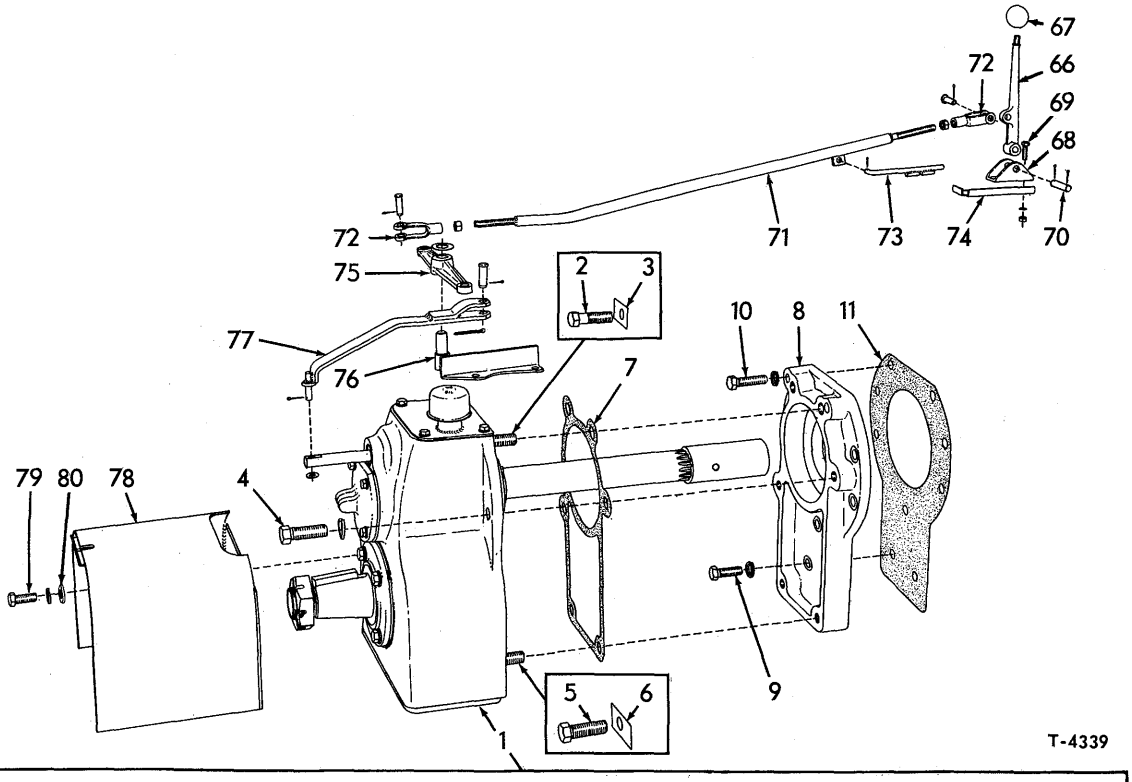
ITEM	PART NO.	QTY.	DESCRIPTION
64	70078705	8	SEAL, battery access cover (sponge rubber, 1/8" x 1" x 21")
65	70089585	1	FILLER, front panel
	70903631	9	CAPSCREW, 3/8"NC x 1-1/4"
	70911115	9	WASHER, plain, SAE std., 3/8"
	70904206	9	LOCKWASHER, 3/8"
	70911026	9	NUT, 3/8"NC
66	70089587	1	SEAL, upper, front panel to cowl
67	70089584	1	RETAINER, front panel to cowl upper seal
	70903631	5	CAPSCREW, 3/8"NC x 1-1/4"
	70911115	10	WASHER, plain, SAE std., 3/8"
	70904206	5	LOCKWASHER, 3/8"
	70911026	5	NUT, 3/8"NC
68	67959	2	△SEAL, intermediate, front panel to cowl
69	67960	2	△RETAINER, front panel to cowl intermediate seal
	70903631	8	CAPSCREW, 3/8"NC x 1-1/4"
	70911115	8	WASHER, plain, SAE std., 3/8"
	70904206	8	LOCKWASHER, 3/8"
	70911026	8	NUT, 3/8"NC
70	67970	2	△SEAL, lower, front panel to cowl
71	70089108	2	PANEL, enclosure, front panel cut-out
	70903631	8	CAPSCREW, 3/8"NC x 1-1/4"
	70911115	8	WASHER, plain, SAE std., 3/8"
	70904206	8	LOCKWASHER, 3/8"
	70911026	8	NUT, 3/8"NC
72	67965	1	△FILLER, rear panel
	70903631	13	CAPSCREW, 3/8"NC x 1-1/4"
	70911115	13	WASHER, plain, SAE std., 3/8"
	70904206	13	LOCKWASHER, 3/8"
	70911026	13	NUT, 3/8"NC
73	67966	1	△SEAL, top, rear panel to fuel tank
74	70089106	1	RETAINER, rear panel to fuel tank top seal
	70903631	9	CAPSCREW, 3/8"NC x 1-1/4"
	70911115	18	WASHER, plain, SAE std., 3/8"
	70904206	9	LOCKWASHER, 3/8"
	70911026	9	NUT, 3/8"NC
75	67957	2	△SEAL, side, rear panel to fuel tank
76	67958	2	△RETAINER, rear panel to fuel tank side seal
	70903631	10	CAPSCREW, 3/8"NC x 1-1/4"
	70903630	2	CAPSCREW, 3/8"NC x 1"
	70911115	14	WASHER, plain, SAE std., 3/8"
	70904206	12	LOCKWASHER, 3/8"
	70911026	12	NUT, 3/8"NC
77	70084921	1	EXTENSION, air cleaner
	70903631	4	CAPSCREW, 3/8"NC x 1-1/4"
	70911115	4	WASHER, plain, SAE std., 3/8"
	70904206	4	LOCKWASHER, 3/8"
	70911026	4	NUT, 3/8"NC
78	3845	1	△TUBE, air cleaner extension (flexible)
79	3844	2	△CLAMP, air cleaner extension tube (3-9/16" to 4-9/16" diam.)

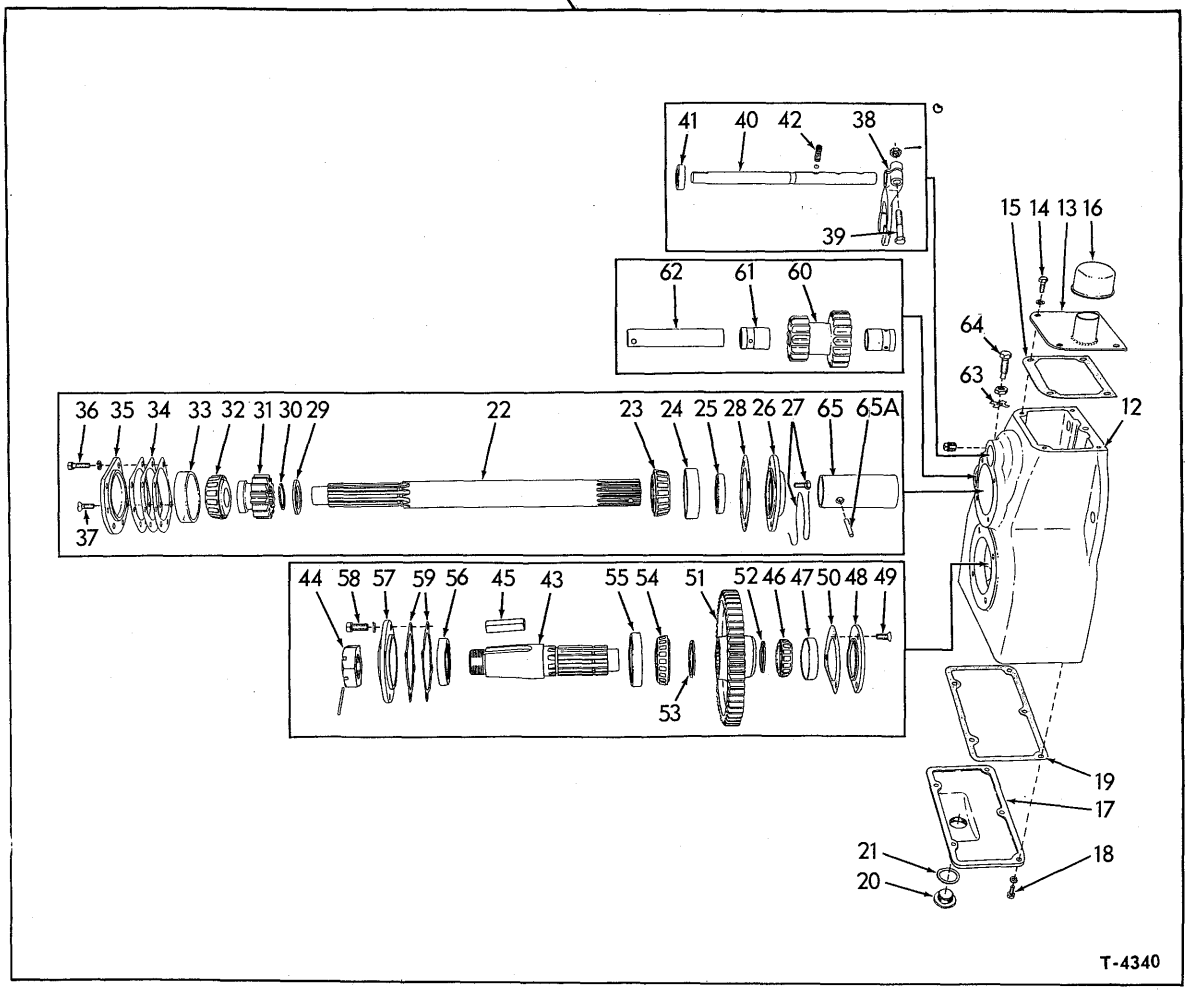


POWER TAKE-OFF

USAGE: Special equipment. Runs at engine speed. Applicable to Models HD16A, AC, D, DC

ITEM	PART NO.	QTY.	DESCRIPTION
1	70068388	1	COUPLING, front
2	70621171	1	PIN, rivet, coupling retaining
3	70068480	1	SHAFT, coupling
4	70037676	1	SEAL, oil, inner
5	70067566	1	BEARING, ball
6	70058274	2	RING, snap
7	70068488	1	CAGE, coupling shaft bearing
8	70036707	9	CAPSCREW, 5/8"NC x 1-3/4"
	70904209	9	LOCKWASHER, 5/8"
9	70068487	1	GASKET, coupling shaft bearing cage
10	70647060	1	SEAL, oil, outer
11	70068490	1	RETAINER, oil seal
	70914465	1	FITTING, lubricating, straight, 1/8"NPT
12	70035236	4	CAPSCREW, 1/2"NC x 1-3/4" (Replaced by 70921556 CAPSCREW when coupling shaft guard is used. See item 16)
	70904208	4	LOCKWASHER, 1/2"
13	70068489	1	GASKET, oil seal retainer
14	70055529	1	COVER, shaft protecting
15	70035061	2	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	2	LOCKWASHER, 1/2"
16	70078482	1	GUARD, coupling shaft (When installed, item 14 is discarded)
17	70921556	4	CAPSCREW, 1/2"NC x 2"
	70904208	4	LOCKWASHER, 1/2"
18	70064531	4	WASHER, plain


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POWER TAKE-OFF

USAGE: Special equipment. Reversible slow-speed type. Applicable to Models HD16A, AC, D, DC

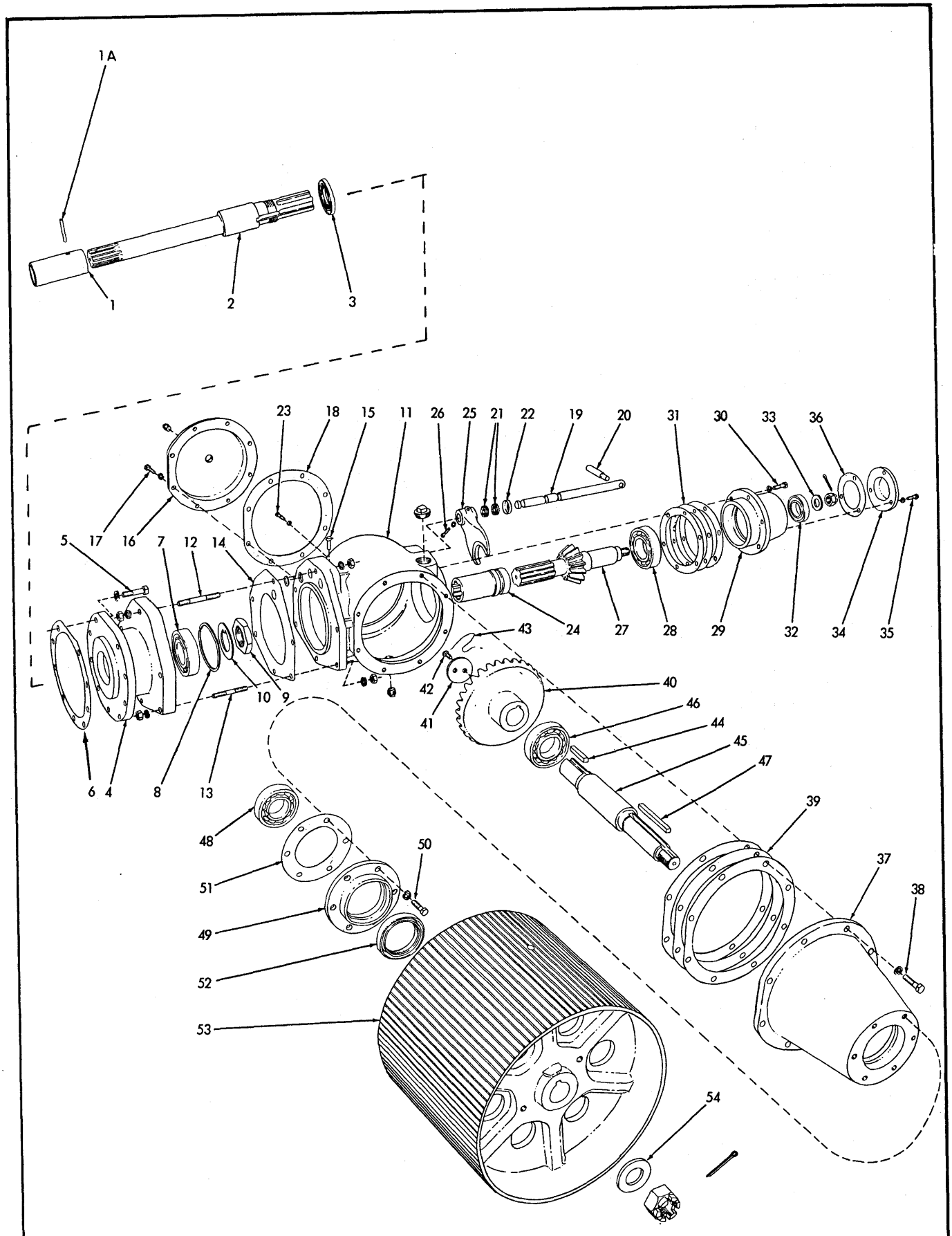
ITEM	PART NO.	QTY.	DESCRIPTION
1	70059860	1	TAKE-OFF ASSEMBLY, power (Consists of items 12 thru 65A)
2	70 070792	2	CAPSCREW, 3/4"NC x 2-1/2"
3	70 011100	2	LOCK, capscrew
4	70 202283	2	CAPSCREW, 3/4"NC x 2-1/4"
	70 904369	2	LOCKWASHER, 3/4"
5	70 202283	2	CAPSCREW, 3/4"NC x 2-1/4"
6	70 012238	2	LOCK, capscrew
7	70068324	1	GASKET, gear case to spacer
8	70068329	1	SPACER, power take-off
9	70036707	7	CAPSCREW, 5/8"NC x 1-3/4"
10	70023755	2	CAPSCREW, 5/8"NC x 2-1/4"
	70904209	9	LOCKWASHER, 5/8"
11	70068323	1	GASKET, spacer to steering clutch housing
12	70 044957	1	HOUSING, gear
	70 901653	1	PLUG, pipe, 3/8"NPT
13	70033391	1	COVER, top
14	70035244	4	CAPSCREW, 3/8"NC x 3/4"
	70904206	4	LOCKWASHER, 3/8"
15	70033393	1	GASKET, top cover
16	70200267	1	CAP, filler
17	70 044968	1	COVER, bottom
18	70 013058	5	CAPSCREW, 3/8"NC x 1-1/4"
	70 904206	5	LOCKWASHER, 3/8"
19	70044969	1	GASKET, bottom cover
20	70035250	1	PLUG, drain
21	70035249	1	GASKET, drain plug
22	70059869	1	SHAFT, input
23	70061087	1	CONE ASSEMBLY, input shaft front bearing
24	70061088	1	CUP, input shaft front bearing
25	70037676	1	SEAL, input shaft front bearing
26	70068326	1	RETAINER, front bearing
27	70013044	4	CAPSCREW, drilled-hd., 3/8"NC x 7/8"
	70023756	1	WIRE, locking, 1/16" x 26"
28	70032754	1	GASKET, front bearing retainer
29	70030965	1	SPACER, front bearing
30	70050293	1	RING, snap, front bearing

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ITEM	PART NO.	QTY.	DESCRIPTION
31	70044979	1	PINION, input shaft (14 teeth)
32	70043006	1	CONE ASSY., input shaft rear bearing
33	70211567	1	CUP, input shaft rear bearing
34	70032747	3	SHIM, input shaft bearing adjustment (.005" thick)
	70032748	5	SHIM, input shaft bearing adjustment (.010" thick. Use as req'd)
	70032749	3	SHIM, input shaft bearing adjustment (.020" thick. Use as req'd)
35	70047603	1	RETAINER, input shaft rear bearing
36	70013058	3	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	3	LOCKWASHER, 3/8"
37	70070192	1	CAPSCREW, flat-hd., 3/8"NC x 7/8"
38	70044967	1	FORK, shifting
39	70035280	1	CAPSCREW, shifting fork
	70911053	1	NUT, castle, 3/8"NF
	70900806	1	PIN, cotter, 1/8" x 1"
40	70044980	1	SHAFT, shifting fork
	70905361	1	BALL, steel, 7/16" diam.
41	70030504	1	SEAL, oil, shifting fork shaft
42	70021537	1	SPRING, shifting shaft locking ball
43	70044976	1	SHAFT, output
44	70013207	1	NUT, output shaft (slotted, 2" EF thread)
	70904007	1	PIN, cotter, 3/16" x 3"
45	70032764	1	KEY, output shaft (1/16" x 3")
46	70043000	1	CONE ASSY., output shaft front bearing
47	70211608	1	CUP, output shaft front bearing
48	70032751	1	RETAINER, output shaft front bearing
49	70036283	3	CAPSCREW, flat-hd., 1/2"NC x 1-1/8"
50	70032753	1	GASKET, bearing retainer
51	70032780	1	GEAR, output shaft (52 teeth)
52	70044978	1	RING, snap, output shaft gear
53	70032762	1	RING, output shaft rear bearing (2 matched halves)
54	70043002	1	CONE ASSY., output shaft rear bearing
55	70043001	1	CUP, output shaft rear bearing
56	70629040	1	SEAL, oil, output shaft rear bearing
57	70032752	1	RETAINER, output shaft rear bearing
58	70035061	4	CAPSCREW, 1/2"NC x 1-1/4" (Replaced by 70035236 CAPSCREW when power shaft guard is used. See item 79)
	70904208	4	LOCKWASHER, 1/2"
59	70032946	12	SHIM, rear bearing adjustment (.005" thick. Use as req'd)
	70032944	3	SHIM, rear bearing adjustment (.020" thick. Use as req'd)
60	70044982	1	GEAR ASSY., reverse (Includes item 61)
61	70044984	2	BUSHING, reverse gear
62	70044970	1	SHAFT, reverse gear
63	70035196	1	LOCK, setscrew
64	70035188	1	SETSCREW, hex-hd., taper pt., 1/2"NC x 1-5/8"
	70911035	1	NUT, jam, 1/2"NC

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ITEM	PART NO.	QTY.	DESCRIPTION
65	70068388	1	COUPLING, splined
65A	70621171	1	PIN, rivet, coupling retaining
66	70059868	1	LEVER, operating
67	70091862	1	KNOB, operating lever
68	70059871	1	BRACKET, operating lever
69	70012992	2	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	2	LOCKWASHER, 3/8"
	70911041	2	NUT, 3/8"NF
70	70058407	1	PIN, pivot, operating lever
	70910967	2	PIN, cotter, 1/8" x 7/8"
71	70083784	1	ROD, control
	70911043	2	NUT, 1/2"NF
72	70068389	2	YOKE, control rod
	70917648	2	PIN, yoke, 1/2" diam.
	70910967	2	PIN, cotter, 1/8" x 7/8"
73	70083785	1	LOCK, latching, operating lever
	70900942	1	PIN, cotter, 3/32" x 5/8"
74	70083786	1	PLATE, latching lock
75	70059872	1	LEVER, control, intermediate
76	70059857	1	BRACKET, pivot, intermediate control lever
	70910320	1	PIN, cotter, 5/32" x 1-1/2"
	70910255	1	WASHER, plain, SAE std., 3/4"
77	70059861	1	ARM, shifting
	70900942	1	PIN, cotter, 3/32" x 5/8"
	70911115	1	WASHER, plain, SAE std., 3/8"
	70917648	1	PIN, yoke, 1/2" diam.
	70910967	1	PIN, cotter, 1/8" x 7/8"
78	70078482	1	GUARD, power shaft
79	70035236	4	CAPSCREW, 1/2"NC x 1-3/4"
	70904208	4	LOCKWASHER, 1/2"
80	70064531	4	WASHER, plain



POWER PULLEY

POWER PULLEY

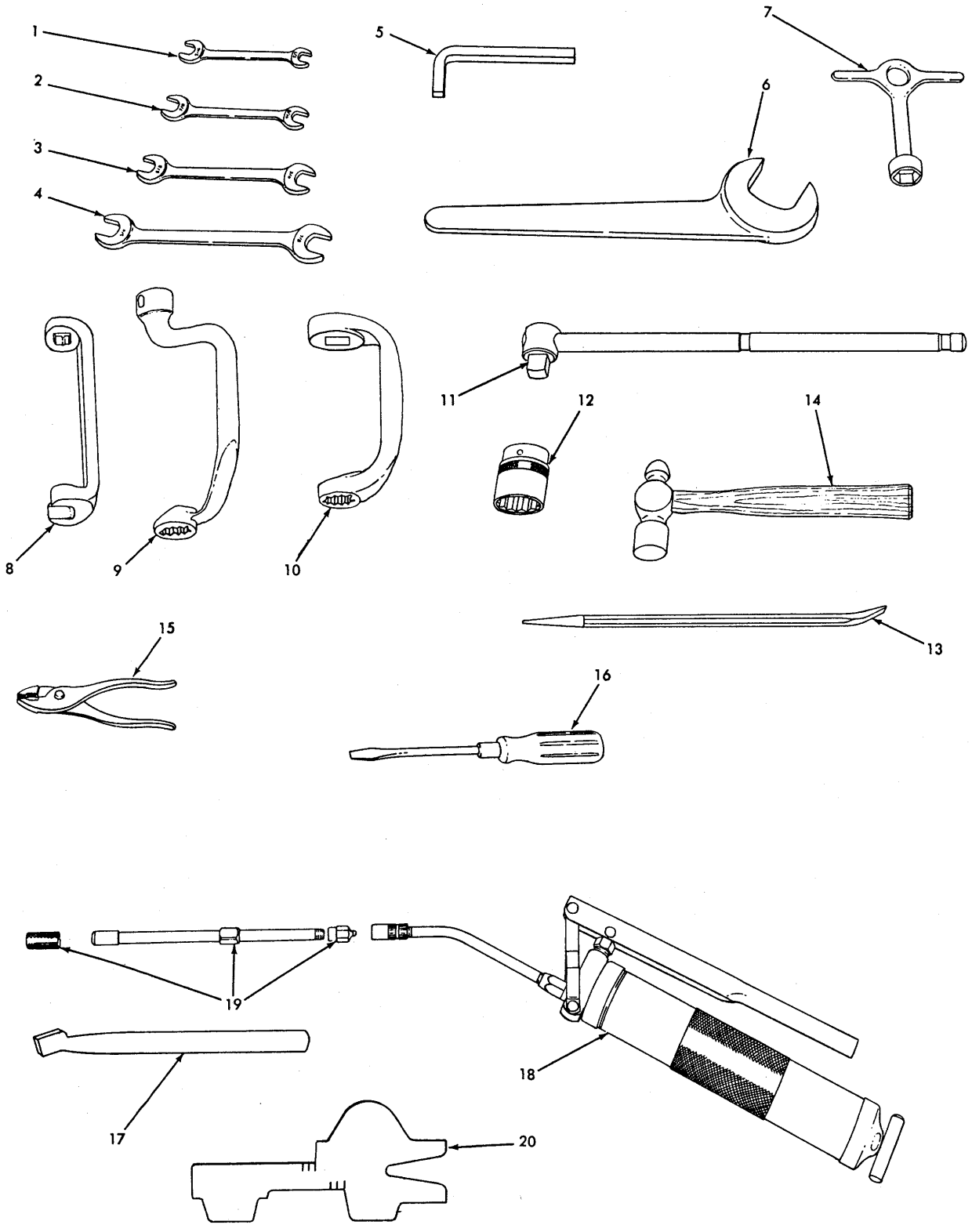
USAGE: Special equipment. Applicable to Models HD16A, AC, D, DC

ITEM	PART NO.	QTY.	DESCRIPTION
1	70068388	1	COUPLING, front
1A	70621171	1	PIN, rivet, coupling retaining
2	70075865	1	SHAFT, input
3	70053670	1	SEAL, oil, input shaft
4	70058058	1	SPACER
5	70023755	9	CAPSCREW, 5/8"NC x 2-1/4"
	70904209	9	LOCKWASHER, 5/8"
6	70052976	1	GASKET, spacer to transmission case
7	73021048	1	BEARING, ball, input shaft
8	70048704	1	RING, snap, input shaft bearing
9	70070176	1	NUT, bearing retaining
10	70070114	1	WASHER, locking, bearing retaining nut
11	70071229	1	CASE, gear
	70910006	1	PLUG, expansion, 1-1/4"
	70912726	1	PLUG, pipe, sq-hd., 3/4"NPT
	70912770	1	PLUG, pipe, sq-hd., 1-1/2"NPT
12	70058052	1	STUD, 5/8"NF x 5-1/8"
13	70058053	5	STUD, 5/8"NF x 4-1/8"
	70904209	12	LOCKWASHER, 5/8"
	70911044	12	NUT, 5/8"NF
14	70058054	1	GASKET, case to spacer
15	70051447	1	BREATHER ASSEMBLY, gear case (Serviced only as a unit)
16	70071218	1	COVER, gear case, side
17	70035236	8	CAPSCREW, 1/2"NC x 1-3/4"
	70904208	8	LOCKWASHER, 1/2"
	70912726	1	PLUG, pipe, sq-hd., 3/4"NPT
18	70071219	1	GASKET, gear case side cover
19	70071213	1	SHAFT, shifting fork
20	70021711	1	HANDLE, shifting fork shaft
21	70034674	2	PACKING, shifting fork shaft
22	70035405	1	RETAINER, shaft packing
23	70013059	1	CAPSCREW, retaining, shifting fork shaft (3/8"NC x 2")
	70904206	1	LOCKWASHER, 3/8"
24	70041882	1	SLEEVE, coupling
25	70071217	1	FORK, sleeve shifting
26	70013059	1	CAPSCREW, 3/8"NC x 2"
	70904206	1	LOCKWASHER, 3/8"

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POWER PULLEY (Continued)

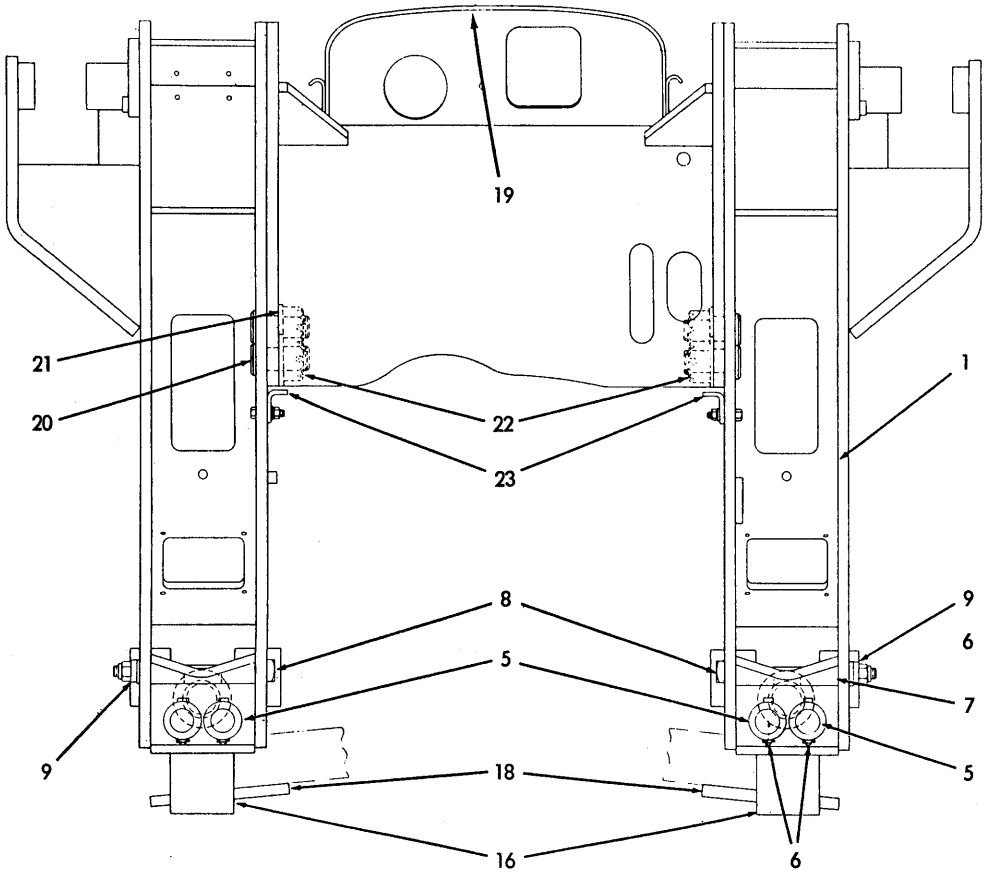
ITEM	PART NO.	QTY.	DESCRIPTION
27	70041881	1	PINION AND SHAFT
28	70042890	1	BEARING, ball, pinion shaft, front
29	70071220	1	HOUSING, pinion shaft bearings
30	70035236	6	CAPSCREW, 1/2"NC x 1-3/4"
	70904208	6	LOCKWASHER, 1/2"
31	70071452	25	SHIM, pinion mesh adjustment (.005" thick) (Use as required)
32	70042847	1	BEARING, ball, pinion shaft, rear
33	70071210	1	WASHER, retaining, pinion shaft rear bearing
	70911057	1	NUT, castle, 1"NF
	70904002	1	PIN, cotter, 1/8" x 2"
34	70071205	1	CAP, pinion shaft bearing housing
35	70035061	3	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	3	LOCKWASHER, 1/2"
36	70071206	1	GASKET, bearing housing cap
37	70071228	1	HOUSING, pulley shaft bearings
38	70035236	8	CAPSCREW, 1/2"NC x 1-3/4"
	70904208	8	LOCKWASHER, 1/2"
39	70071225	3	SHIM, gear mesh adjustment (.005" thick) } Use as required
	70071226	3	SHIM, gear mesh adjustment (.010"thick) } Use as required
	70071227	4	SHIM, gear mesh adjustment (.020" thick) } Use as required
40	70041883	1	GEAR, bevel, pulley shaft (30 teeth)
41	70071212	1	WASHER, bevel gear retaining
42	70011259	2	CAPSCREW, drilled-hd., 1/2"NC x 1"
43	70023633	1	WIRE, locking, 1/16" x 12"
44	70071211	1	KEY, pulley shaft bevel gear
45	70071221	1	SHAFT, pulley
46	70638620	1	BEARING, ball, pulley shaft, inner
47	70071215	1	KEY, belt pulley
48	70204751	1	BEARING, ball, pulley shaft, outer
49	70034696	1	RETAINER, pulley shaft outer bearing
50	70035061	6	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	6	LOCKWASHER, 1/2"
51	70071207	1	GASKET, pulley shaft bearing retainer
52	70029563	1	SEAL, oil, pulley shaft
53	70077174	1	PULLEY, belt (18" diam.)
54	70071209	1	WASHER, belt pulley retaining
	70911058	1	NUT, castle, 1-1/2"NF
	70904006	1	PIN, cotter, 3/16" x 2-3/4"



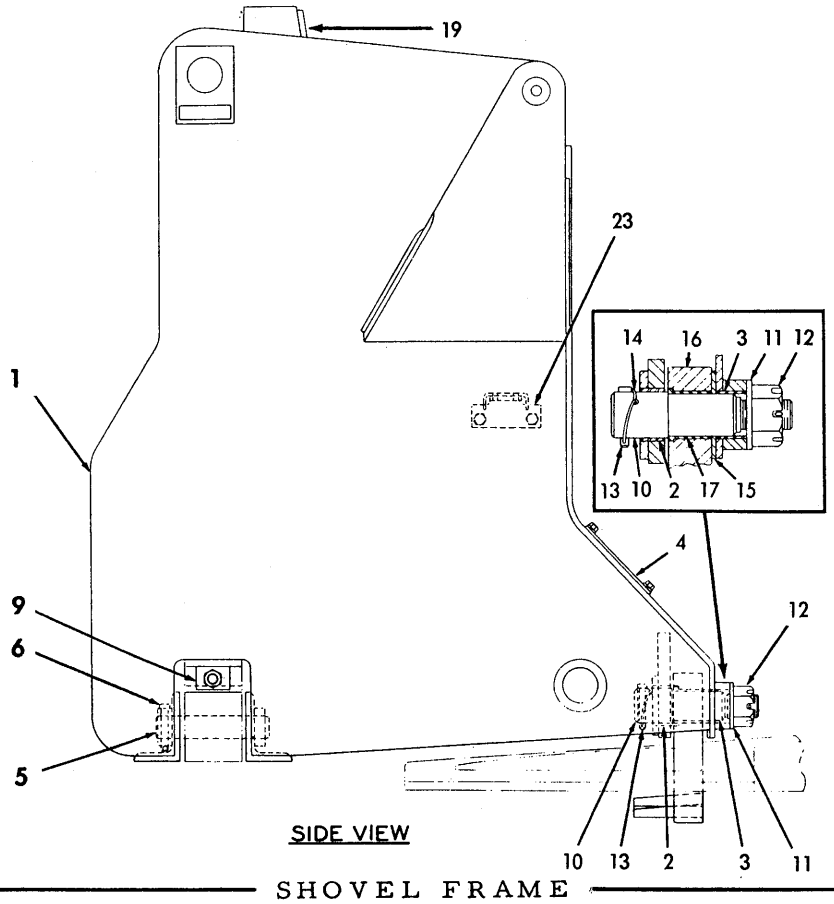
TOOLS

T-11620

ITEM	PART NO.	QTY.	DESCRIPTION
			NOTE: For complete line of service tools for the Allis-Chalmers Diesel Engines, consult Kent-Moore Organization, Inc., 1501 South Jackson Street, Jackson, Michigan.
-	70089708	1	TOOL SET (Consists of items 1 thru 6, 8, 9, 11 thru 16 and 18; also 2 PLUGS 70035250 and 2 GASKETS 70035249)(Used prior to tractor #4001)
-	70628884	1	TOOL SET (Consists of items 1 thru 6 and 10 thru 18; also 2 PLUGS 70035250, 2 GASKETS 70035249 and 1 PLUG 70912725)(Effective with tractor #4001)
1	70050608	1	WRENCH, open end, double head, 15°, 1/2" and 9/16"
2	70053423	1	WRENCH, open end, double head, 15°, 9/16" and 5/8"
3	70050609	1	WRENCH, open end, double head, 15°, 5/8" and 3/4"
4	70050610	1	WRENCH, open end, double head, 15°, 3/4" and 7/8"
5	70043769	1	WRENCH, drain and filling plugs (90°, 1/2" square)
6	70040736	1	WRENCH, track release adjustment (1-7/8" open end)(Early units)
	70095120	1	WRENCH, track release adjustment (2-1/8" open end)(Late units)
7	70040272	1	WRENCH, lubricant hole plugs
8	70084285	1	WRENCH, open end, cylinder head nut
9	70082667	1	WRENCH, socket end, cylinder head nut
10	74378423	1	WRENCH, socket end, cylinder head nut
11	70053426	1	HANDLE, socket, sliding T, 3/4" square drive, 21-1/2" long
12	70915894	1	SOCKET, 3/4" square drive, 12 point, 1-1/8" hex
13	70052371	1	BAR, pinch, 16" long
14	70012387	1	HAMMER, ball peen, 1 lb.
15	70012389	1	PLIERS, slip joint, 6"
16	70036268	1	SCREWDRIVER, 9-3/4" long
17	70628872	1	TOOL, engine clutch adjustment (For tractors with torque converter only)
18	70073735	1	GUN, grease (Serviced only as a unit)
	70915954	1	NIPPLE, pipe, 1/8"NPT x 3" } For lubricating engine clutch shifter bearings on units without torque converter.
	70915955	1	ELBOW, pipe, 90°, 1/8"NPT }
19	70058937	1	NOZZLE ASSEMBLY, low-pressure lubrication (Includes FITTING indented below)
	70914767	1	FITTING, lubricating, straight, 1/8"NPT female
20	70631353	1	GAUGE, wear (Indicates maxiumum wear tolerances for track rails, grouser shoes, sprockets, idlers and truck wheels)



FRONT VIEW



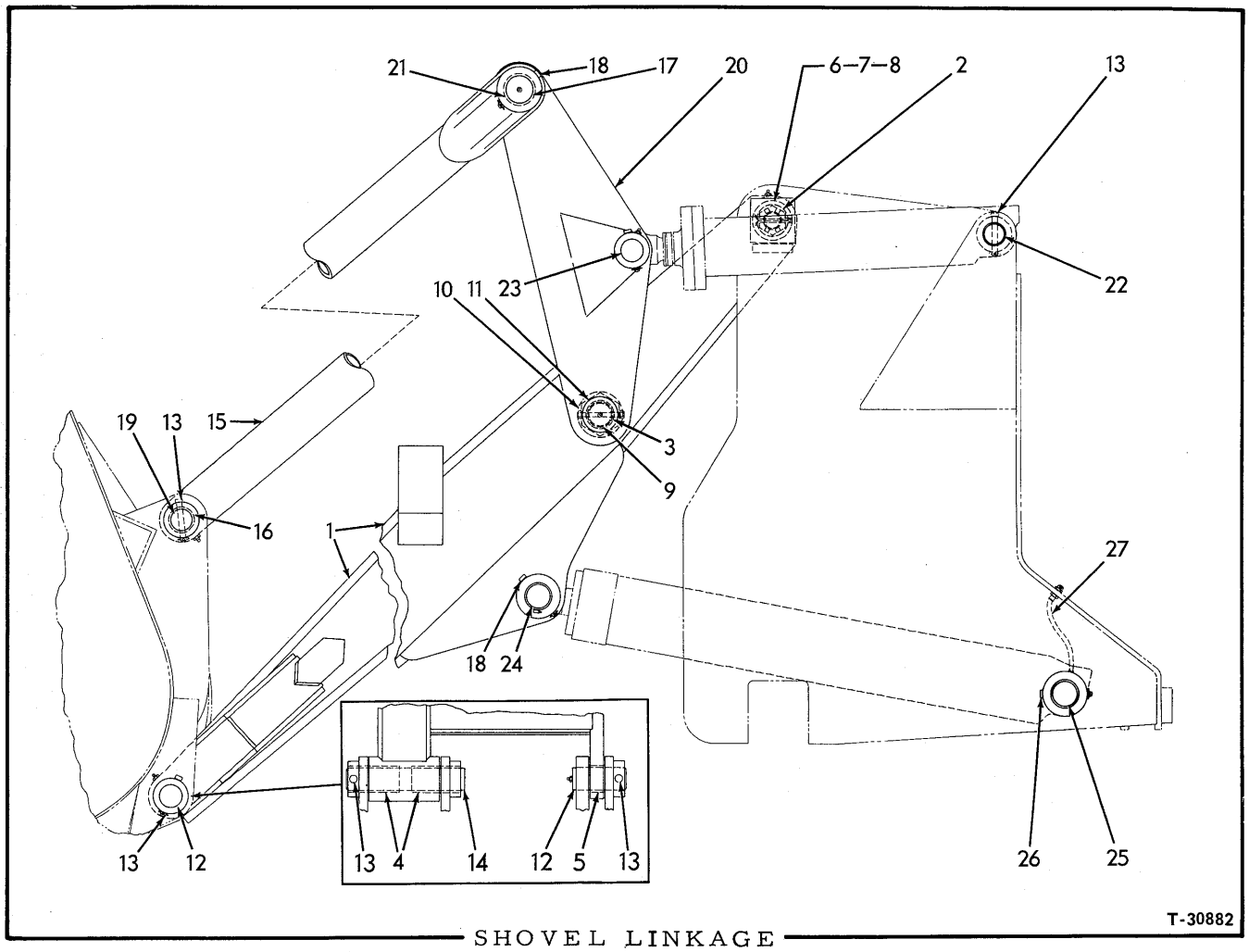
SIDE VIEW

T-30881

SHOVEL FRAME

SHOVEL FRAME

ITEM	PART NO.	QTY.	DESCRIPTION
1	73016357	1	FRAME ASSEMBLY, left (Includes 1 BUSHING 73012153 and 1 BUSHING 73012154)
	73016358	1	FRAME ASSEMBLY, right (Includes 1 BUSHING 73012153 and 1 BUSHING 73012154)
2	73012154	2	BUSHING, frame pivot, front
3	73012153	2	BUSHING, frame pivot, rear
4	70626586	2	PLATE, frame cover
	70913249	8	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	8	LOCKWASHER, 1/2"
5	73016359	4	PIN, frame anchor, front
6	70626584	4	PIN, retaining, front anchor pin
	70900810	4	PIN, cotter, 3/16" x 1-1/4"
7	73016351	4	WEDGE, frame anchor pin
8	73016352	2	BOLT (1"NF diam.)
	70917777	2	NUT, elastic stop, 1"NF
9	73016354	2	BLOCK, spacing
10	73011162	2	PIN, frame anchor, rear
11	70626543	2	WASHER, plain
12	70918530	2	NUT, (2"NF)
	70904015	2	PIN, cotter, 3/8" x 3-1/2"
13	73014169	2	PIN, retaining, rear anchor pin
14	73013230	2	WIRE, locking, #14 x 14"
15	70626590	-	SHIM, rear anchor pin (1/16" thick. Use as required)
16	73013491	2	LUG ASSEMBLY, frame mounting (Requires welding to install) (Includes item 17)
17	73012155	2	BUSHING, frame lug
18	73009568	2	PLATE, mounting, frame lug (Requires welding to install)
19	73015970	1	STABILIZER, frame (Used prior to shovel #164)
	73025658	1	STABILIZER, frame (Effective with shovel #164)
20	73009094	4	PIN (2"NF)
21	70626543	4	WASHER, plain
22	70918530	4	NUT, 2"NF
	70904015	4	PIN, cotter, 3/8" x 3-1/2"
23	70626505	2	BRACKET, hose supporting
	70916420	4	CAPSCREW, 1/2"NF x 2-1/4"
	70910244	4	WASHER, plain, SAE std., 1/2"
	70904208	4	LOCKWASHER, 1/2"
	70911043	4	NUT, 1/2"NF

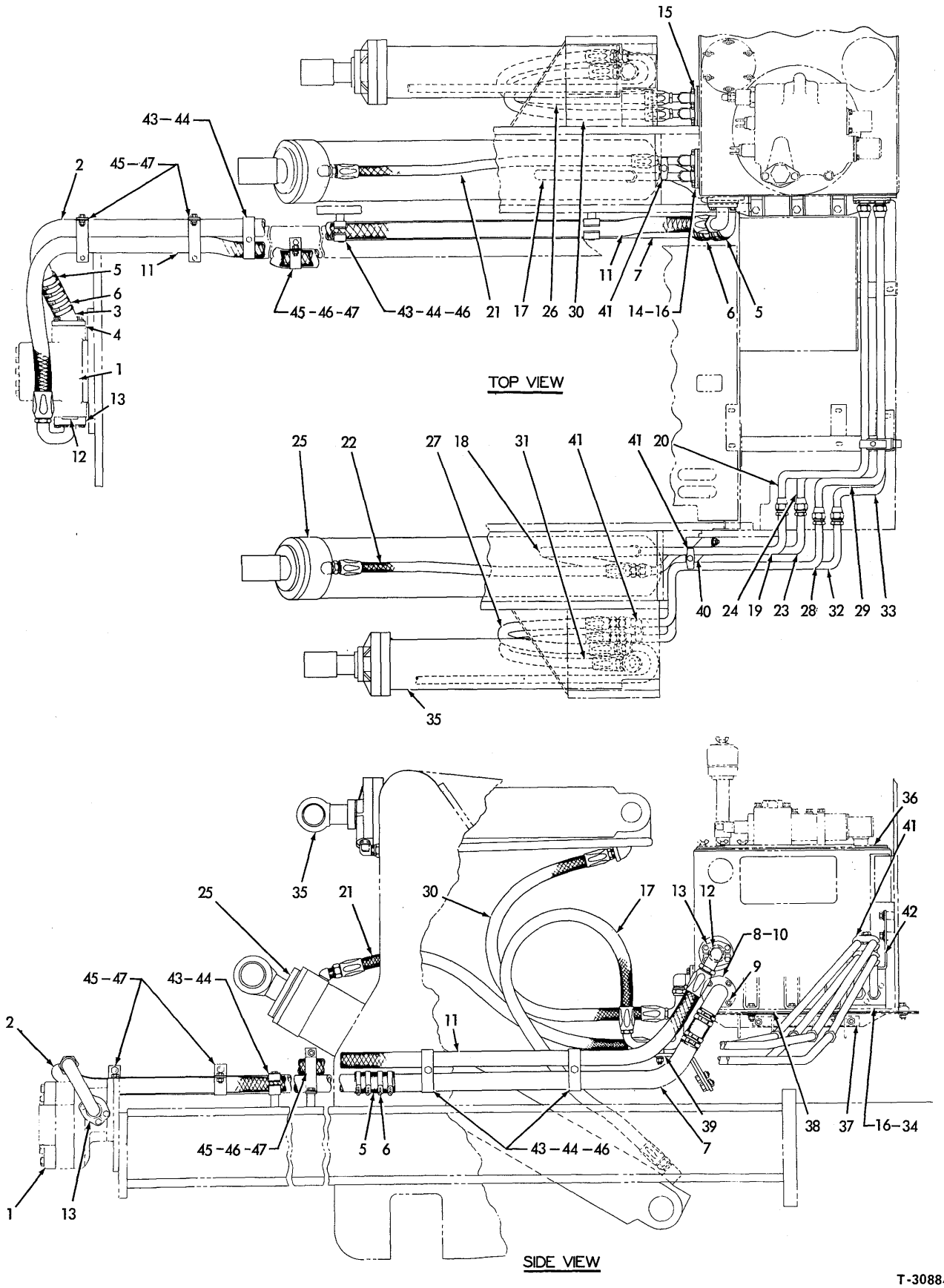


SHOVEL LINKAGE

ITEM	PART NO.	QTY.	DESCRIPTION
1	73010430	1	BOOM ASSEMBLY, left (Includes 2 BUSHING 73020542, 2 BUSHING 73007914, 2 BUSHING 73004981 and 1 BUSHING 73001119)
	73010431	1	BOOM ASSEMBLY, right (Includes 2 BUSHING 73020542, 2 BUSHING 73007914, 2 BUSHING 73004981 and 1 BUSHING 73001119)
	70914465	2	FITTING, lubricating, straight, 1/8"NPT
2	73020542	4	BUSHING, boom upper end
3	73007914	4	BUSHING, boom center
4	73004981	4	BUSHING, boom lower end, inner
5	73001119	2	BUSHING, boom lower end, outer
6	73004586	2	PIN, boom pivot
	70914465	2	FITTING, lubricating, straight, 1/8"NPT
7	70626543	2	WASHER, plain
8	70918530	2	NUT, 2"NF
	70904016	2	PIN, cotter, 3/8" x 4"
9	73013293	2	PIN, cross link pivot (Requires welding to install)
	70914465	2	FITTING, lubricating, straight, 1/8"NPT

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
10	73009570	2	WASHER, cross link pivot pin
11	70636372	2	NUT, cross link pivot pin (jam, slotted, 2-3/4"NC)
	70916427	2	CAPSCREW, 1/2"NF x 4-3/4"
	70904208	2	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF
12	70627897	2	PIN, bucket pivot, outer
	70914465	2	FITTING, lubricating, straight, 1/8"NPT
13	73011625	8	PIN, retaining, pivot pin
	70900810	8	PIN, cotter, 3/16" x 1-1/4"
14	70627898	2	PIN, bucket pivot, inner
	70914465	2	FITTING, lubricating, straight, 1/8"NPT
15	73010412	2	LINK ASSEMBLY, dump (Each includes 2 BUSHING 70626824)
16	70626824	4	BUSHING, dump link
17	70626844	2	PIN, dump link, rear
	70914465	2	FITTING, lubricating, straight, 1/8"NPT
18	70626866	4	PIN, retaining, pivot pin
	70900810	4	PIN, cotter, 3/16" x 1-1/4"
19	70627899	2	PIN, dump link, front
	70914465	2	FITTING, lubricating, straight, 1/8"NPT
20	73007884	1	LINK ASSEMBLY, cross, left (Includes 1 BUSHING 70626637 and 1 PIN 73013293)
	73007885	1	LINK ASSEMBLY, cross, right (Includes 1 BUSHING 70626637 and 1 PIN 73013293)
21	70626637	2	BUSHING, cross link
22	73009561	2	PIN, dump cylinder pivot, rear
23	73016462	2	PIN, dump cylinder pivot, front
	70914465	2	FITTING, lubricating, straight, 1/8"NPT
24	73008017	2	PIN, lift cylinder pivot, front
	70915276	2	FITTING, lubricating, 90°, 1/8"NPT
25	70636367	2	PIN, lift cylinder pivot, rear
26	73013568	2	PIN, retaining, lift cylinder rear pin
	70900810	2	PIN, cotter, 3/16" x 1-1/4"
27	73004999	2	TUBE ASSEMBLY, lubricating (flexible)(Includes nuts)
	70915276	2	FITTING, lubricating, 90°, 1/8"NPT
	70911049	2	NUT, jam, 5/8"NF



HYDRAULIC CYLINDERS AND PIPING SYSTEM (First type)

HYDRAULIC CYLINDERS AND PIPING SYSTEM

USAGE: Shovels prior to serial No. 122

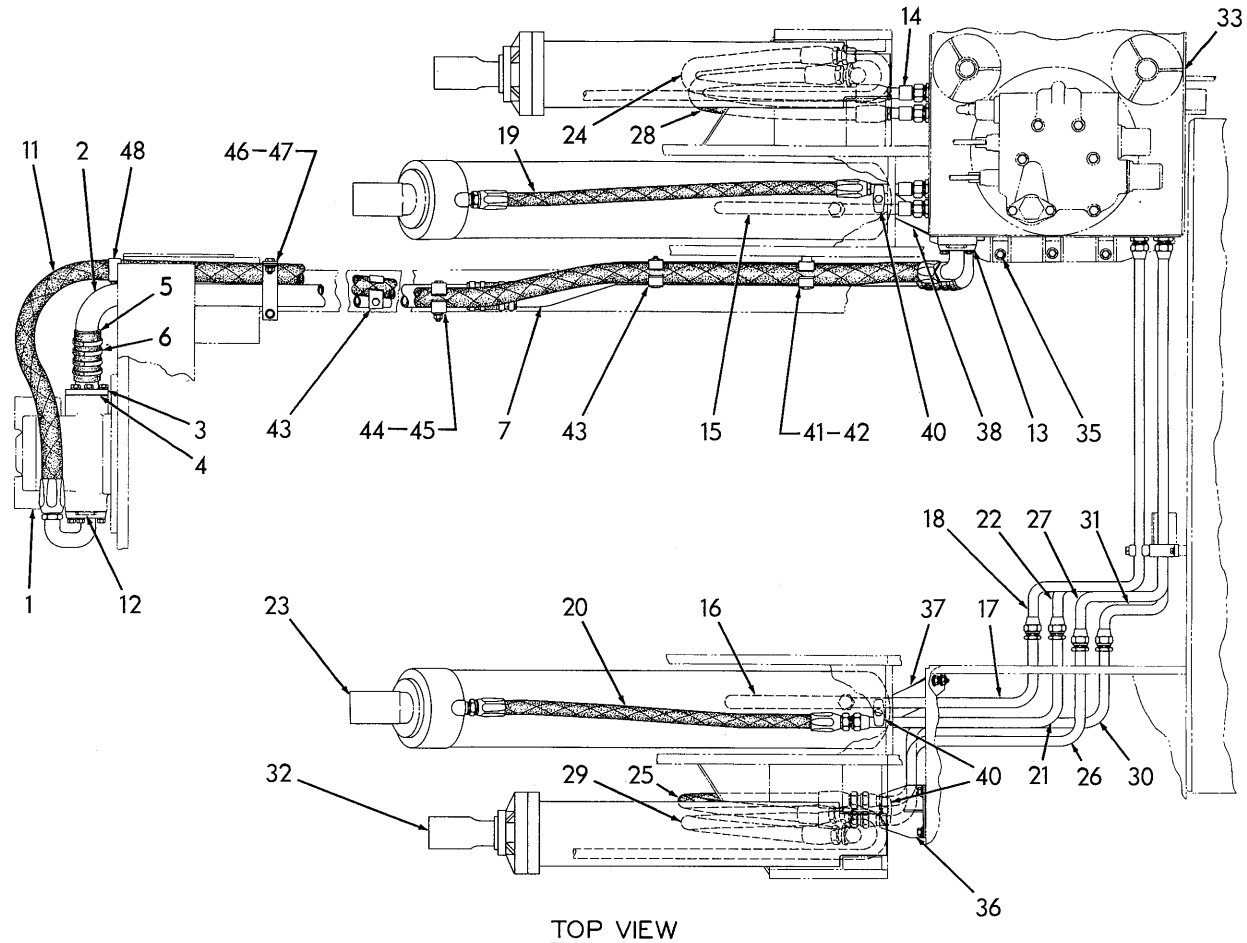
ITEM	PART NO.	QTY.	DESCRIPTION
1	------	-	PUMP AND DRIVE (See page 638)
2	73019428	1	TUBE, suction, pump to tank, front section
3	73016486	1	ADAPTER, suction tube
	70915987	4	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	4	LOCKWASHER, 1/2"
4	70626534	1	GASKET, adapter
5	70626532	3	HOSE, suction tube (2-1/4"I.D. x 5")
6	70921913	12	CLAMP, hose, 1-13/16" to 2-3/4" diam.
7	73019430	1	TUBE, suction, pump to tank, rear section
8	73011931	1	ELBOW, tube flange
	70911115	4	WASHER, plain, SAE std., 3/8"
	70904206	4	LOCKWASHER, 3/8"
9	70917258	4	NUT, 3/8"NC (brass)
10	70626513	1	GASKET, tube elbow
11	73012869	1	HOSE ASSEMBLY, pressure, pump to tank (See HOSE PARTS)
12	70923578	2	O-RING, pressure hose
13	70921118	4	CLAMP, hose attaching (2 halves)
	70915987	4	CAPSCREW, 1/2"NC x 1-1/2" (Pump end)
	70913249	4	CAPSCREW, 1/2"NF x 1/1/4" (Tank end)
	70904208	8	LOCKWASHER, 1/2"
14	73011506	2	ADAPTER, hose, right cylinder
	70918493	6	CAPSCREW, 1/2"NF x 7/8"
15	73010837	6	WASHER, plain, 1/2"
16	70923664	8	O-RING, hose adapter
17	73011282	1	HOSE ASSEMBLY, lift cylinder raise, right (See HOSE PARTS)
18	73009664	1	HOSE ASSEMBLY, lift cylinder raise, left (See HOSE PARTS)
19	73010574	1	TUBE ASSEMBLY, lift cylinder raise, left (front section) (Includes nuts) (See Hydro-Pneumatic Accumulator for special tube)
20	73011338	1	TUBE ASSEMBLY, lift cylinder raise, left (rear section) (Includes nuts)
21	73013683	1	HOSE ASSEMBLY, lift cylinder drop, right (See HOSE PARTS)
22	73006854	1	HOSE ASSEMBLY, lift cylinder drop, left (See HOSE PARTS)
23	73010572	1	TUBE ASSEMBLY, lift cylinder drop, left (front section) (Includes nuts)
24	73011340	1	TUBE ASSEMBLY, lift cylinder drop, left (rear section) (Includes nuts)
25	73008136	2	CYLINDER ASSEMBLY, lift (See page 635 for parts)

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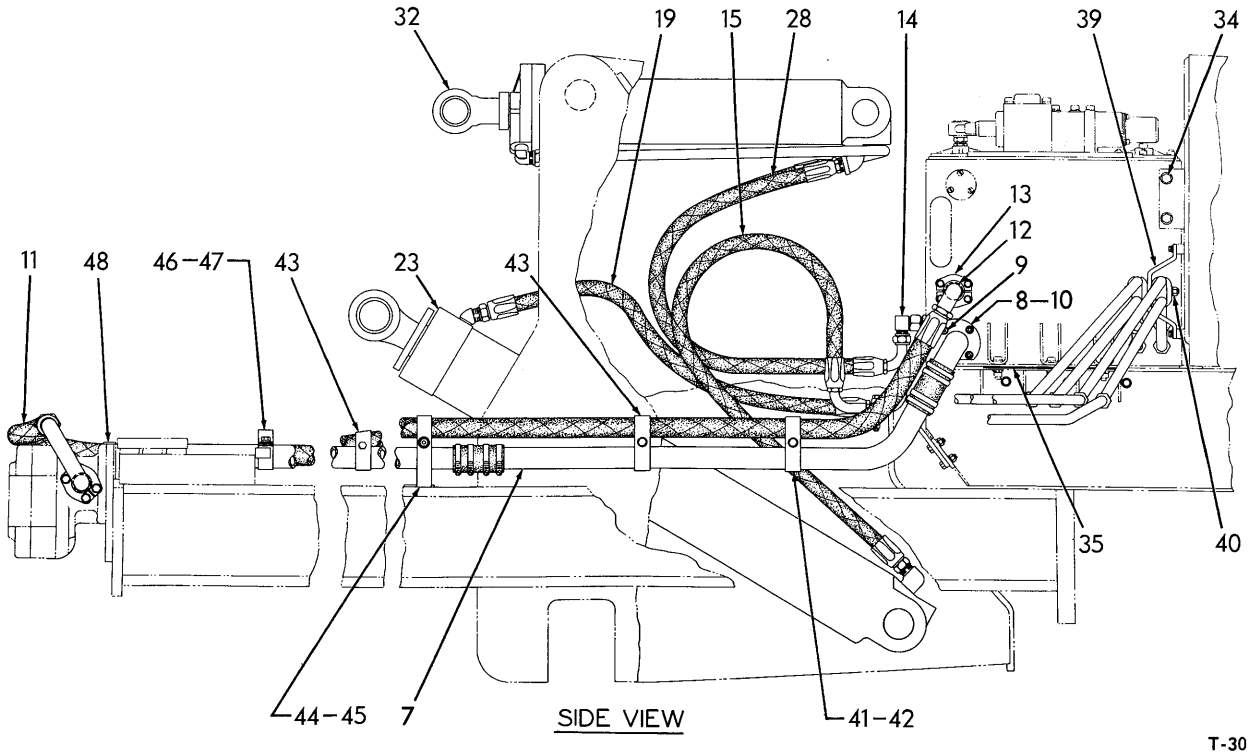
ITEM	PART NO.	QTY.	DESCRIPTION
26	73011280	1	HOSE ASSEMBLY, dump cylinder retracting, right (See HOSE PARTS)
27	73009667	1	HOSE ASSEMBLY, dump cylinder retracting, left (See HOSE PARTS)
28	73010570	1	TUBE ASSEMBLY, dump cylinder retracting, left (front section) (Includes nuts)
29	73011342	1	TUBE ASSEMBLY, dump cylinder retracting, left (rear section) (Includes nuts)
30	73011279	1	HOSE ASSEMBLY, right cylinder dump (See HOSE PARTS)
31	73009666	1	HOSE ASSEMBLY, left cylinder dump (See HOSE PARTS)
32	73010576	1	TUBE ASSEMBLY, left cylinder dump (front section) (Includes nuts)
33	73011344	1	TUBE ASSEMBLY, left cylinder dump (rear section) (Includes nuts)
34	73016335	1	ADAPTER, hose, left cylinder
	70918493	4	CAPSCREW, 1/2"NF x 7/8"
	73010837	4	WASHER, plain, 1/2"
35	73017778	2	CYLINDER ASSEMBLY, dump (See page 637 for parts)
36	------	1	TANK (See HYDRAULIC TANK)
	70913105	5	CAPSCREW, 1/2"NF x 1-1/2"
	70916028	1	CAPSCREW, 1/2"NF x 1-3/4"
	70915779	3	CAPSCREW, 1/2"NF x 2"
	73011243	13	WASHER, plain
	70904208	9	LOCKWASHER, 1/2"
	70911043	9	NUT, 1/2"NF
37	73011845	-	SPACER, tank capscrew (Use as required)
38	70626658	-	SPACER, tank capscrew (Use as required)
39	73013680	1	BRACKET, supporting, hose clamp
	70913105	2	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	2	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF
40	73011997	1	BRACKET, supporting, hose clamp
	70913105	2	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	2	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF
41	70624931	12	CLAMP, line supporting (half only)
	70916422	1	CAPSCREW, 1/2"NF x 2-3/4"
	70916424	1	CAPSCREW, 1/2"NF x 3-1/2"
	70920604	2	CAPSCREW, 1/2"NF x 5-1/4"
	70910244	1	WASHER, plain, SAE std., 1/2"
	70904208	4	LOCKWASHER, 1/2"
	70911043	4	NUT, 1/2"NF
42	73010920	1	BRACKET, supporting, hose clamp
	70916225	2	CAPSCREW, 3/8"NF x 1"
	70904206	2	LOCKWASHER, 3/8"
	70911115	2	WASHER, plain, SAE std., 3/8"

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
43	70626528	6	CLAMP, suction and pressure line (half only)
	70916422	3	CAPSCREW, 1/2"NF x 2-3/4"
	70904208	3	LOCKWASHER, 1/2"
	70912007	-	WASHER, plain (Use as required) (For front clamps only)
44	70626529	3	SPACER, hose clamp
45	73017021	3	CLAMP, suction and pressure line (formed type)
	70914875	3	CAPSCREW, 1/2"NF x 1"
	70904208	3	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF
46	73013610	2	BLOCK, supporting, hose clamp (Requires welding to install)
47	70626538	3	CLAMP, suction and pressure line (angle type)
	70914875	2	CAPSCREW, 1/2"NF x 1"
	70913249	1	CAPSCREW, 1/2"NF x 1-1/4"
	70910244	1	WASHER, plain, SAE std., 1/2"
	70904208	3	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF



TOP VIEW



SIDE VIEW

T-30922

HYDRAULIC CYLINDERS AND PIPING SYSTEM (Second Type)

HYDRAULIC CYLINDERS AND PIPING SYSTEM

USAGE: Effective with shovel serial No. 122

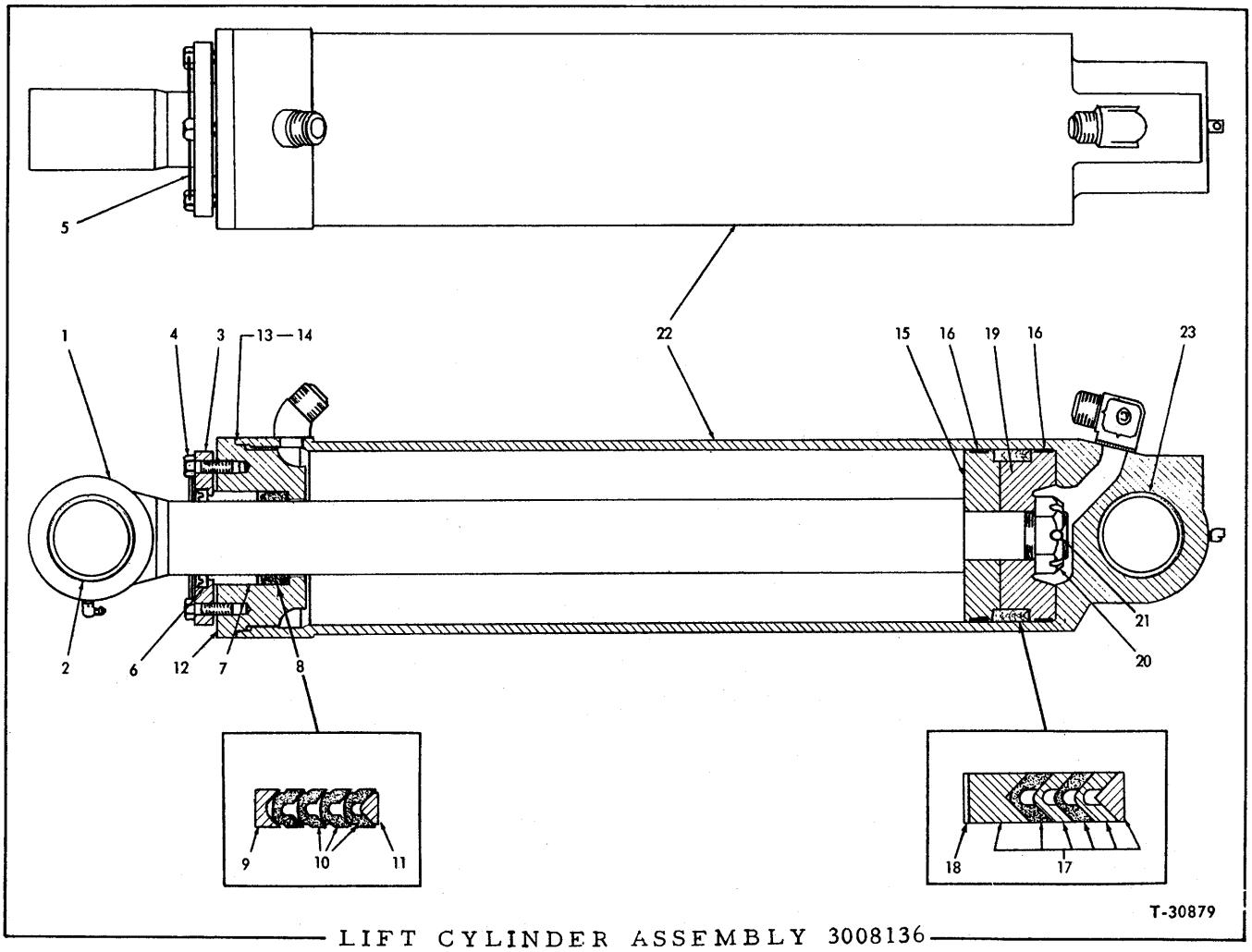
ITEM	PART NO.	QTY.	DESCRIPTION
1	------	-	PUMP AND DRIVE (See pages 638 and 640)
2	73019428	1	TUBE, suction, pump to tank, front section
3	73013464	1	ADAPTER, suction tube
	70915987	4	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	4	LOCKWASHER, 1/2"
4	70626534	1	GASKET, adapter
5	70626532	3	HOSE, suction tube (2-1/4"I.D. x 5")
6	70921913	12	CLAMP, hose, 1-13/16" to 2-3/4" diam.
7	73019430	1	TUBE, suction, pump to tank, rear section
8	73011931	1	ELBOW, tube flange
	70911115	4	WASHER, plain, SAE std., 3/8"
	70904206	4	LOCKWASHER, 3/8"
9	70917258	4	NUT, 3/8"NC (brass)
10	70626513	1	GASKET, tube elbow
11	73012869	1	HOSE ASSEMBLY, pressure, pump to tank (See HOSE PARTS)
12	70923578	2	O-RING, pressure hose
13	70921118	4	CLAMP, hose attaching (2 halves)
	70915987	4	CAPSCREW, 1/2"NC x 1-1/2" (Pump end)
	70913249	4	CAPSCREW, 1/2"NF x 1-1/4" (Tank end)
	70904208	8	LOCKWASHER, 1/2"
14	70919625	4	ELBOW, flare type, swivel nut, 1" tube
15	73011282	1	HOSE ASSEMBLY, lift cylinder raise, right (See HOSE PARTS)
16	73009664	1	HOSE ASSEMBLY, lift cylinder raise, left (See HOSE PARTS)
17	73019417	1	TUBE ASSEMBLY, lift cylinder raise, left (front section) (Includes nuts) (See Hydro-Pneumatic Accumulator for special tube)
18	73011338	1	TUBE ASSEMBLY, lift cylinder raise, left (rear section) (Includes nuts)
19	73013683	1	HOSE ASSEMBLY, lift cylinder drop, right (See HOSE PARTS)
20	73006854	1	HOSE ASSEMBLY, lift cylinder drop, left (See HOSE PARTS)
21	73019422	1	TUBE ASSEMBLY, lift cylinder drop, left (front section) (Includes nuts)
22	73011340	1	TUBE ASSEMBLY, lift cylinder drop, left (rear section) (Includes nuts)
23	73008136	2	CYLINDER ASSEMBLY, lift (See page 635 for parts)
24	73011280	1	HOSE ASSEMBLY, dump cylinder retracting, right (See HOSE PARTS)

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
25	73009667	1	HOSE ASSEMBLY, dump cylinder retracting, left (See HOSE PARTS)
26	73035515	1	TUBE ASSEMBLY, dump cylinder retracting, left (front section) (Includes nuts)
	70919268	1	UNION, flare type, 1" tube
27	73011342	1	TUBE ASSEMBLY, dump cylinder retracting, left (rear section) (Includes nuts)
28	73011279	1	HOSE ASSEMBLY, right cylinder dump (See HOSE PARTS)
29	73009666	1	HOSE ASSEMBLY, left cylinder dump (See HOSE PARTS)
30	73035516	1	TUBE ASSEMBLY, left cylinder dump (front section) (Includes nuts)
	70919268	1	UNION, flare type, 1" tube
31	73011344	1	TUBE ASSEMBLY, left cylinder dump (rear section) (Includes nuts)
32	73017778	2	CYLINDER ASSEMBLY, dump (See page 637 for parts)
33	------	1	TANK (See HYDRAULIC TANK)
	70913105	3	CAPSCREW, 1/2"NF x 1-1/2"
	70916028	1	CAPSCREW, 1/2"NF x 1-3/4"
	70915779	5	CAPSCREW, 1/2"NF x 2"
	73011243	13	WASHER, plain
	70904208	9	LOCKWASHER, 1/2"
	70911043	7	NUT, 1/2"NF
34	70626657	-	SPACER, tank capscrew (Use as required)
35	70626658	-	SPACER, tank capscrew (Use as required)
36	70626517	1	BRACKET, supporting, hose clamp
	70914875	4	CAPSCREW, 1/2"NF x 1"
	70904208	4	LOCKWASHER, 1/2"
	70910244	4	WASHER, plain, SAE std., 1/2"
37	73019419	1	BRACKET, supporting, hose clamp, left
	70913105	2	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	2	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"
38	73019418	1	BRACKET, supporting, hose clamp, right
	70913105	2	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	2	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF
39	73019420	1	BRACKET, supporting, hose clamp
	70916225	2	CAPSCREW, 3/8"NF x 1"
	70904206	2	LOCKWASHER, 3/8"
	70911115	2	WASHER, plain, SAE std., 3/8"
40	70624931	10	CLAMP, line supporting (half only)
	70916423	1	CAPSCREW, 1/2"NF x 3"
	70916424	2	CAPSCREW, 1/2"NF x 3-1/2"
	70916428	1	CAPSCREW, 1/2"NF x 5"
	70910244	3	WASHER, plain, SAE std., 1/2"
	70904208	4	LOCKWASHER, 1/2"
	70911043	4	NUT, 1/2"NF

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
41	70626528	2	CLAMP, suction and pressure line
	70916421	1	CAPSCREW, 1/2"NF x 2-1/2"
	70904208	1	LOCKWASHER, 1/2"
42	70626529	1	SPACER, hose clamp
43	70626528	4	CLAMP, suction and pressure line (Used prior to shovel #164)
	70916422	2	CAPSCREW, 1/2"NF x 2-3/4"
	70910244	2	WASHER, plain, SAE std., 1/2"
	70904208	2	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF
	70626529	2	SPACER, clamp
	73012545	2	CLAMP, pressure line (Effective with shovel #164)
	70916419	1	CAPSCREW, 1/2"NF x 3/4"
	70911849	1	CAPSCREW, 1/2"NF x 2"
	70904208	2	LOCKWASHER, 1/2"
	70910244	2	WASHER, plain, SAE std., 1/2"
	70911043	1	NUT, 1/2"NF
	73031984	1	SPACER, clamp
44	70626528	2	CLAMP, suction and pressure line (Used prior to shovel #164)
	70916424	1	CAPSCREW, 1/2"NF x 3-1/2"
	70910244	1	WASHER, plain, SAE std., 1/2"
	70904206	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
	70626529	1	SPACER, clamp
	73031985	1	CLAMP, suction line (Effective with shovel #164)
	70910897	1	CAPSCREW, 1/2"NF x 1-1/4"
	70910244	2	WASHER, plain, SAE std., 1/2"
	70904206	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
45	73019571	1	BRACKET, supporting, hose clamp (Used prior to shovel #164)
	70626527	1	BRACKET, supporting, hose clamp (Effective with shovel #164)
46	70626539	1	CLAMP, suction and pressure line (formed)
	70913249	1	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	1	LOCKWASHER, 1/2"
	70910244	1	WASHER, plain, SAE std., 1/2"
47	70626538	1	CLAMP, suction and pressure line (angle type)
	70913249	1	CAPSCREW, 1/2"NF x 1-1/4"
	70910244	1	WASHER, plain, SAE std., 1/2"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
48	73012545	1	CLAMP, pressure line
	70913105	1	CAPSCREW, 1/2"NF x 1-1/2"
	70910244	1	WASHER, plain, SAE std., 1/2"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF

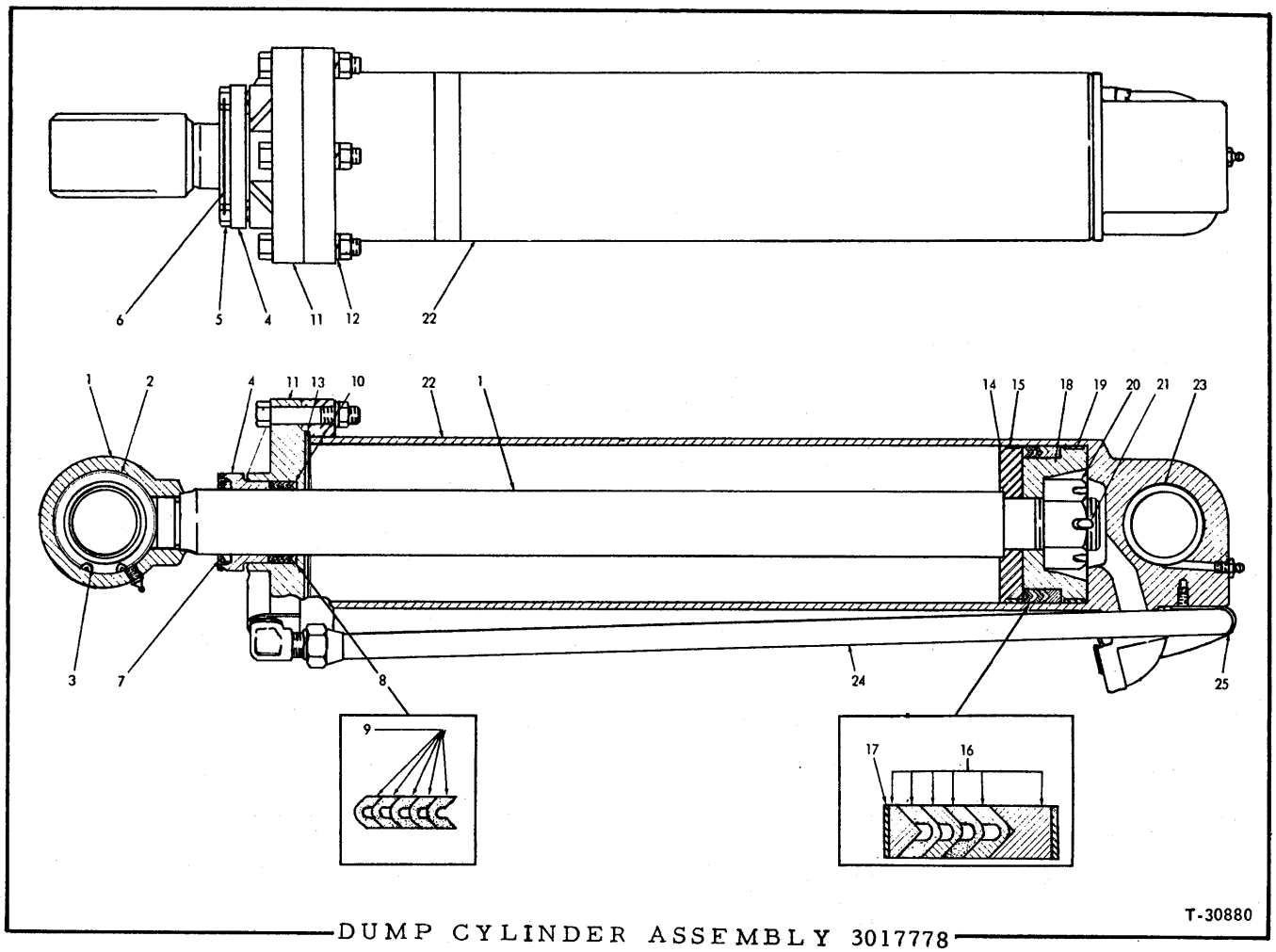


LIFT CYLINDER ASSEMBLY 3008136

LIFT CYLINDER ASSEMBLY 73008136

USAGE: See pages 627 and 631.

ITEM	PART NO.	QTY.	DESCRIPTION
			NOTE: Quantities indicated are for one (1) cylinder only.
1	73008154	1	ROD ASSEMBLY, piston (Includes item 2)
	70915276	1	FITTING, lubricating, 90°, 1/8"NPT
2	73008156	2	BUSHING, piston rod
3	73008140	1	PLATE, end
4	73001090	4	CAPSCREW, drilled-hd., 1/2"NC x 1-3/4"
5	73008138	1	WIRE, locking, #16 x 19"
6	73008139	1	SEAL, piston rod wiping
7	70626553	1	BEARING, rod packing
8	73008144	1	PACKING SET, piston rod (Consists of items 9 thru 11)
9	73008145	1	RING, adapter, female
10	73008146	4	RING, packing (duck)
11	73008147	1	RING, adapter, male
12	73008141	1	HEAD, cylinder
13	73012554	1	RING, back up (Also order 1 RING 70626560)
14	70924166	1	O-RING, cylinder head (Also order 1 RING 73012554)
15	73008158	1	PISTON, front
16	73008159	2	RING, piston bearing
17	73008160	1	PACKING SET, piston
18	73009228	-	SHIM, spacing (Use as required)
19	73008165	1	PISTON, rear
20	73009127	1	NUT, jam, piston rod (2"NF)
21	70911699	1	PIN, cotter, 3/8" x 3-1/4"
22	73008148	1	TUBE ASSEMBLY, cylinder (Includes item 23)
	70915399	1	ELBOW, street, brass, 90°, 1/8"NPT
23	73008174	2	BUSHING, cylinder tube
--	73013194	1	REPAIR KIT (Includes parts for one (1) cylinder only; items 4 thru 8, 13, 14, 16, 17 and 21)

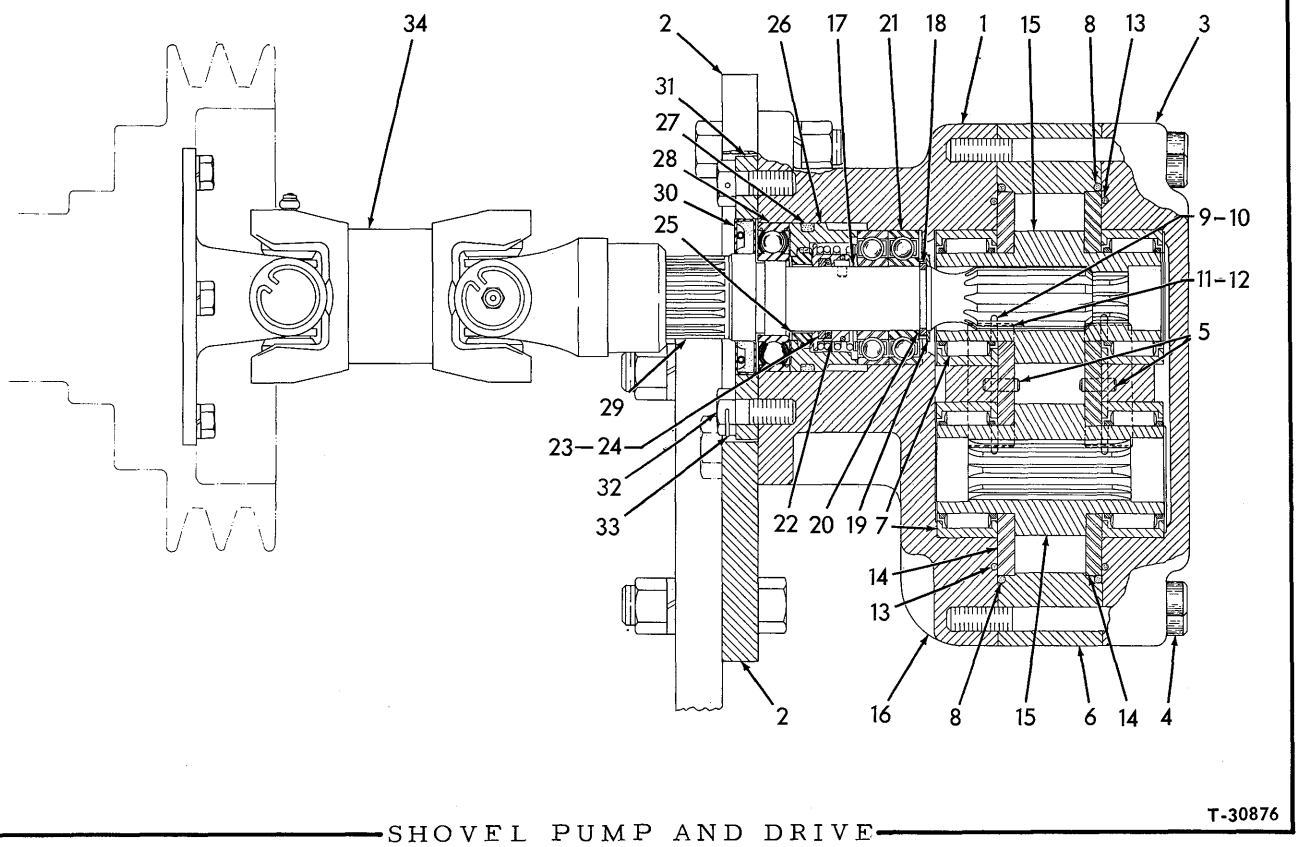


DUMP CYLINDER ASSEMBLY 3017778

DUMP CYLINDER ASSEMBLY 73017778

USAGE: See pages 627 and 631

ITEM	PART NO.	QTY.	DESCRIPTION
			NOTE: Quantities indicated are for one (1) Cylinder only
1	73026236	1	ROD ASSEMBLY, piston (Includes items 2 and 3)
	70914465	1	FITTING, lubricating, straight, 1/8"NPT
2	73016458	1	BUSHING, piston rod
3	73016457	1	RING, snap
4	70625038	1	GLAND, packing
5	73001090	2	CAPSCREW, drilled-hd., 1/2"NC x 1-3/4"
6	73001085	1	WIRE, locking, #16 x 17"
7	73001538	1	SEAL, piston rod wiping
8	73001545	1	PACKING SET, piston rod (Consists of 5 RINGS 73001534)
9	73001534	5	RING, packing (duck)
10	73001532	1	RING, adapter, male
11	70625041	1	HEAD, cylinder
	70915985	6	CAPSCREW, 5/8"NF x 3-1/2"
12	70904209	6	LOCKWASHER, 5/8"
	70911044	6	NUT, 5/8"NF
13	70923596	1	O-RING, cylinder head
14	73007995	1	PISTON, front
15	73001850	1	RING, piston bearing (1/2" wide)
16	73004549	1	PACKING SET, piston
17	73007809	-	SHIM, spacing (Use as required)
18	73007996	1	PISTON, rear
19	73004878	1	RING, piston bearing (3/4" wide)
20	70918530	1	NUT, piston retaining (slotted, 2"NF)
21	70904015	1	PIN, cotter, 3/8" x 3-1/2"
22	73009270	1	TUBE ASSEMBLY, cylinder (Includes item 23)
	70914465	1	FITTING, lubricating, straight, 1/8"NPT
23	73001119	2	BUSHING, cylinder tube
24	73009508	1	TUBE ASSEMBLY, oil (Includes nuts)
	70920686	1	ELBOW, 90°, flare type, 1" tube, 1"NPT male
25	73011248	1	CLIP, tube supporting
	70915408	1	CAPSCREW, 3/8"NC x 3/4"
	70904206	1	LOCKWASHER, 3/8"
--	73013193	1	REPAIR KIT (Includes parts for one (1) cylinder only; items 4 thru 8, 10, 12, 13; 15, 16, 19 and 21)



SHOVEL PUMP AND DRIVE

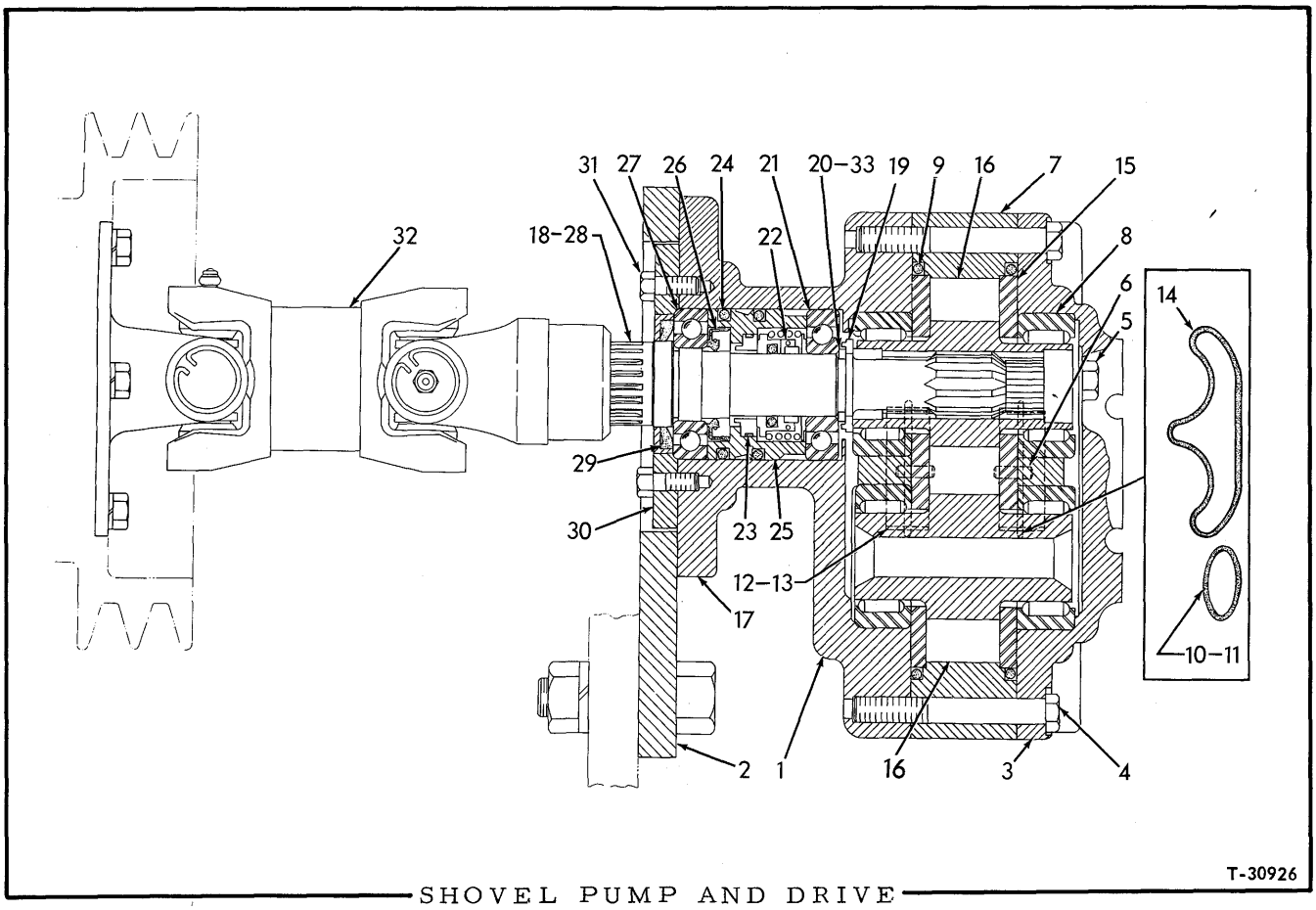
USAGE: Shovels prior to serial No. 190

ITEM	PART NO.	QTY.	DESCRIPTION
1	------	1	PUMP ASSEMBLY (Includes items 3 thru 33)(Order PUMP ASSEMBLY 73028864)
	70916333	4	CAPSCREW, 3/4"NF x 2-3/4"
	70904369	4	LOCKWASHER, 3/4"
	70911045	4	NUT, 3/4"NF
2	70626740	1	PLATE, pump mounting
	70916333	4	CAPSCREW, 3/4"NF x 2-3/4"
	70904369	4	LOCKWASHER, 3/4"
	70911045	4	NUT, 3/4"NF
3	73013788	1	COVER, pump housing
4	73013791	14	CAPSCREW, socket-hd., 1/2"NF x 4-1/4"
5	73012605	2	PIN, dowel, pump housing
6	73029708	1	HOUSING, pump
7	73029771	4	BEARING, roller
8	70923596	2	O-RING, pump housing
9	70923814	2	O-RING, pump housing, left side
10	70923581	2	O-RING, pump housing, right side

(Continued)

SHOVEL PUMP AND DRIVE (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
11	73012648	2	DOWEL, pump housing, left side
12	73013790	2	DOWEL, pump housing, right side
13	73013792	4	O-RING, housing cover
14	73013787	2	PLATE, wear
15	73041566	1	GEAR SET, pump drive (Consists of 2 matching gears)
16	73013785	1	COVER, pump adapting
17	73013784	1	CARTRIDGE ASSEMBLY, drive shaft (Includes items 18 thru 33)
18	73018581	1	RING, snap, bearing retaining
19	73018585	1	WASHER, bearing retaining
20	73018582	-	SHIM, bearing adjusting (Use as required)
21	73018586	2	BEARING, ball, inner
22	73011911	1	SEAL ASSEMBLY, drive shaft (Includes items 23 and 24)
23	70923813	1	O-RING, drive shaft (Also order 1 RING 73012681)
24	73012681	1	RING, back-up (Also order 1 O-RING 70923813)
25	73011910	1	SEAT ASSEMBLY, drive shaft seal (Serviced only as a unit)
26	73018583	1	RETAINER, bearing and seal
27	70923597	1	O-RING, bearing retainer
28	73011952	1	BEARING, ball, outer
29	73018580	1	SHAFT, drive
30	70627966	1	SEAL, pump bearing
31	73013878	1	FLANGE, bearing retaining
32	73023657	8	CAPSCREW, drilled-hd., 1/2"NF x 1-1/4"
33	73012845	1	WIRE, locking, #16 x 30"
34	73015925	1	JOINT ASSEMBLY, universal (Used prior to shovel #164) (See page 643 for parts)
	73025343	1	JOINT ASSEMBLY, universal (Effective with shovel #164) (See page 643 for parts)
	70916311	6	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	6	LOCKWASHER, 1/2"



SHOVEL PUMP AND DRIVE

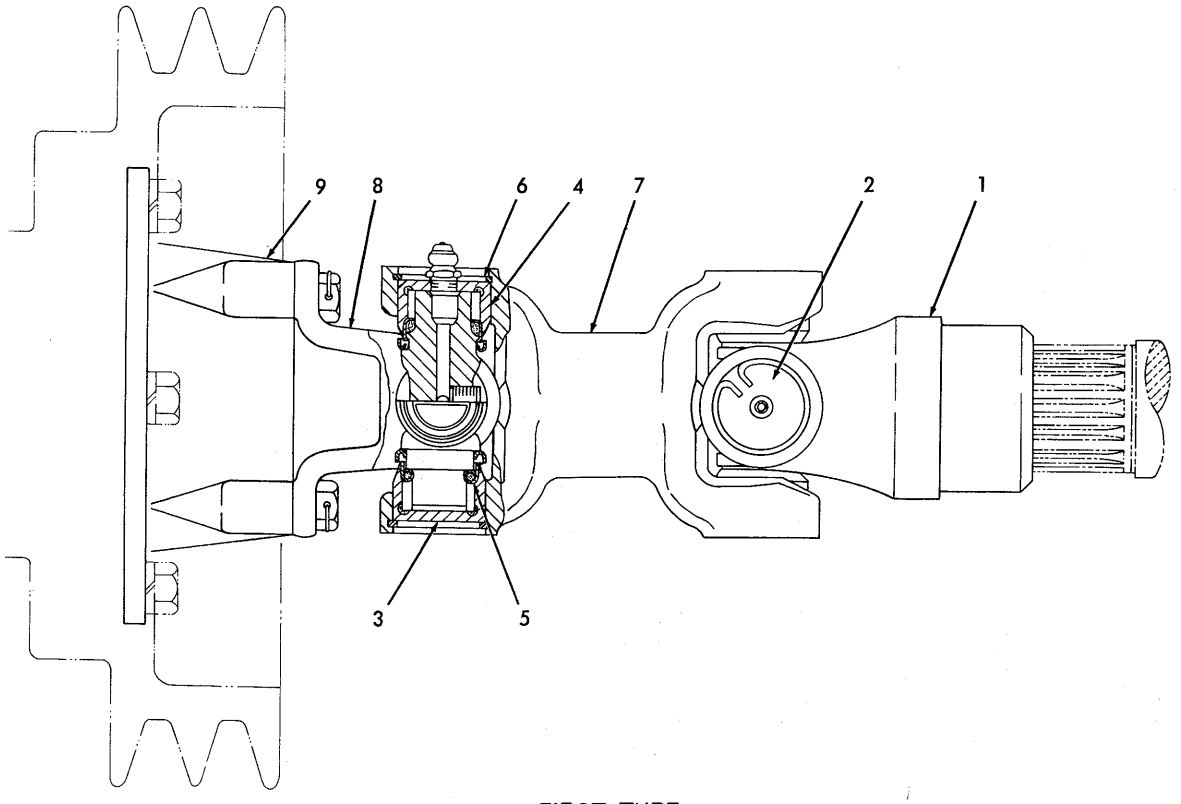
USAGE: Effective with shovel serial No. 190

ITEM	PART NO.	QTY.	DESCRIPTION
1	73028864	1	PUMP ASSEMBLY (Includes items 3 thru 31)
	70916333	4	CAPSCREW, 3/4"NF x 2-3/4"
	70904369	4	LOCKWASHER, 3/4"
	70911045	4	NUT, 3/4"NF
2	70626740	1	PLATE, pump mounting
	70916333	4	CAPSCREW, 3/4"NF x 2-3/4"
	70904369	4	LOCKWASHER, 3/4"
	70911045	4	NUT, 3/4"NF
3	73029773	1	COVER, pump housing
4	70919236	10	CAPSCREW, 1/2"NF x 4"
5	70919177	4	CAPSCREW, 1/2"NF x 4-1/2"
6	70919347	2	PIN, roll, pump housing (1/4" x 5/8")
7	73029708	1	HOUSING, pump
8	73029771	4	BEARING, roller
9	70923596	2	O-RING, pump housing
10	70923814	2	O-RING, pump housing, left side
11	70923581	2	O-RING, pump housing, right side

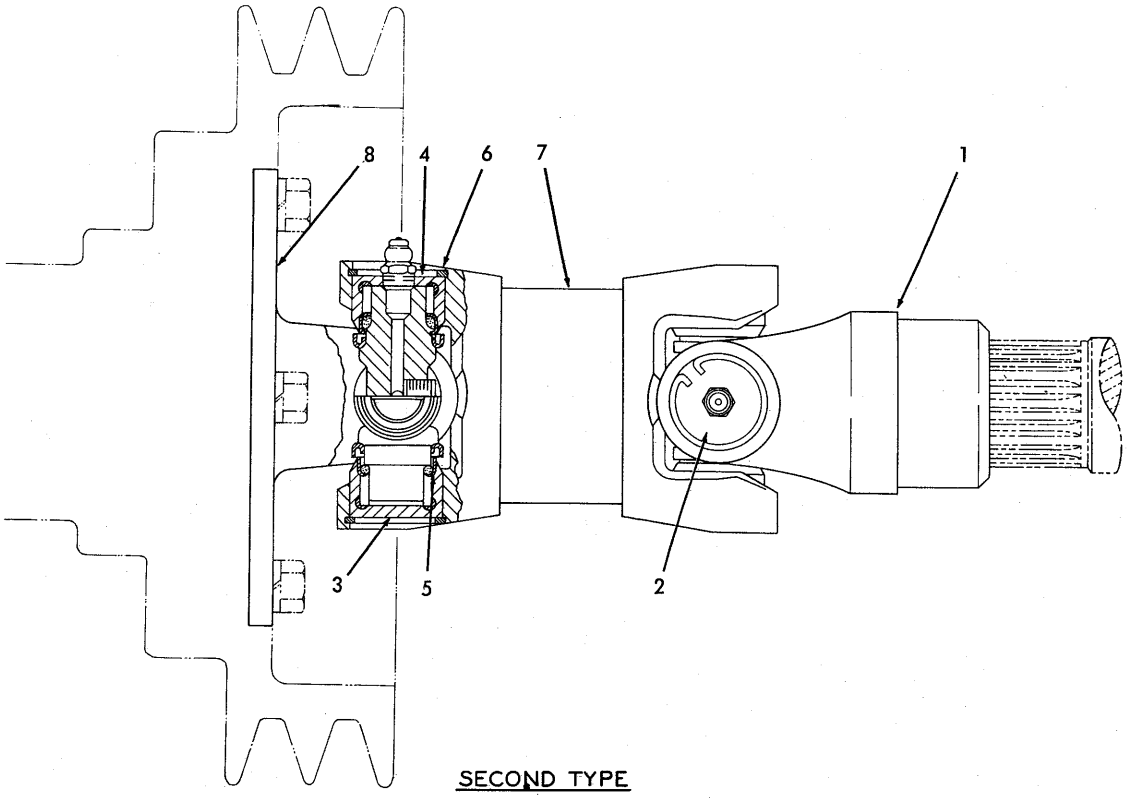
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ITEM	PART NO.	QTY.	DESCRIPTION
12	73012648	2	DOWEL, pump housing, left side
13	73013790	2	DOWEL, pump housing, right side
14	73004674	4	O-RING, housing cover (elongated)
15	73029714	2	PLATE, wear
16	73041566	1	GEAR SET, pump drive (Consists of 2 matching gears)
17	73029770	1	ADAPTER, pump
18	73029713	1	SHAFT ASSEMBLY, drive (Consists of items 19 thru 28)
19	73018585	1	WASHER, bearing retaining
20	73029918	1	RING, snap (.126" to .130" wide, green code)
	73029919	1	RING, snap (.134" to .138" wide, yellow code)
	73029920	1	RING, snap (.142" to .146" wide, red code)
	73029921	1	RING, snap (.150" to .154" wide, blue code)
	73029922	1	RING, snap (.158" to .162" wide, orange code)
21	73011878	1	BEARING, ball, inner
22	73023871	1	SEAL ASSEMBLY, drive shaft (Serviced only as a unit)
23	73011910	1	SEAT ASSEMBLY, drive shaft seal (Serviced only as a unit)
24	70923597	2	O-RING, bearing retainer
25	73029777	1	RETAINER, bearing and seal
26	73029783	1	SEAL, oil, outer bearing
27	73011952	1	BEARING, ball, outer
28	73029774	1	SHAFT, drive
29	70627966	1	SEAL, oil, drive shaft
30	73029715	1	FLANGE, bearing retaining
31	73029718	6	CAPSCREW
32	73025343	1	JOINT ASSEMBLY, universal (See page 643 for parts)
	70916311	6	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	6	LOCKWASHER, 1/2"
33	73029778	1	RING SET, snap (Consists of 1 each of snap rings listed under item 20)

Select one. Also see item 33.



FIRST TYPE



SECOND TYPE

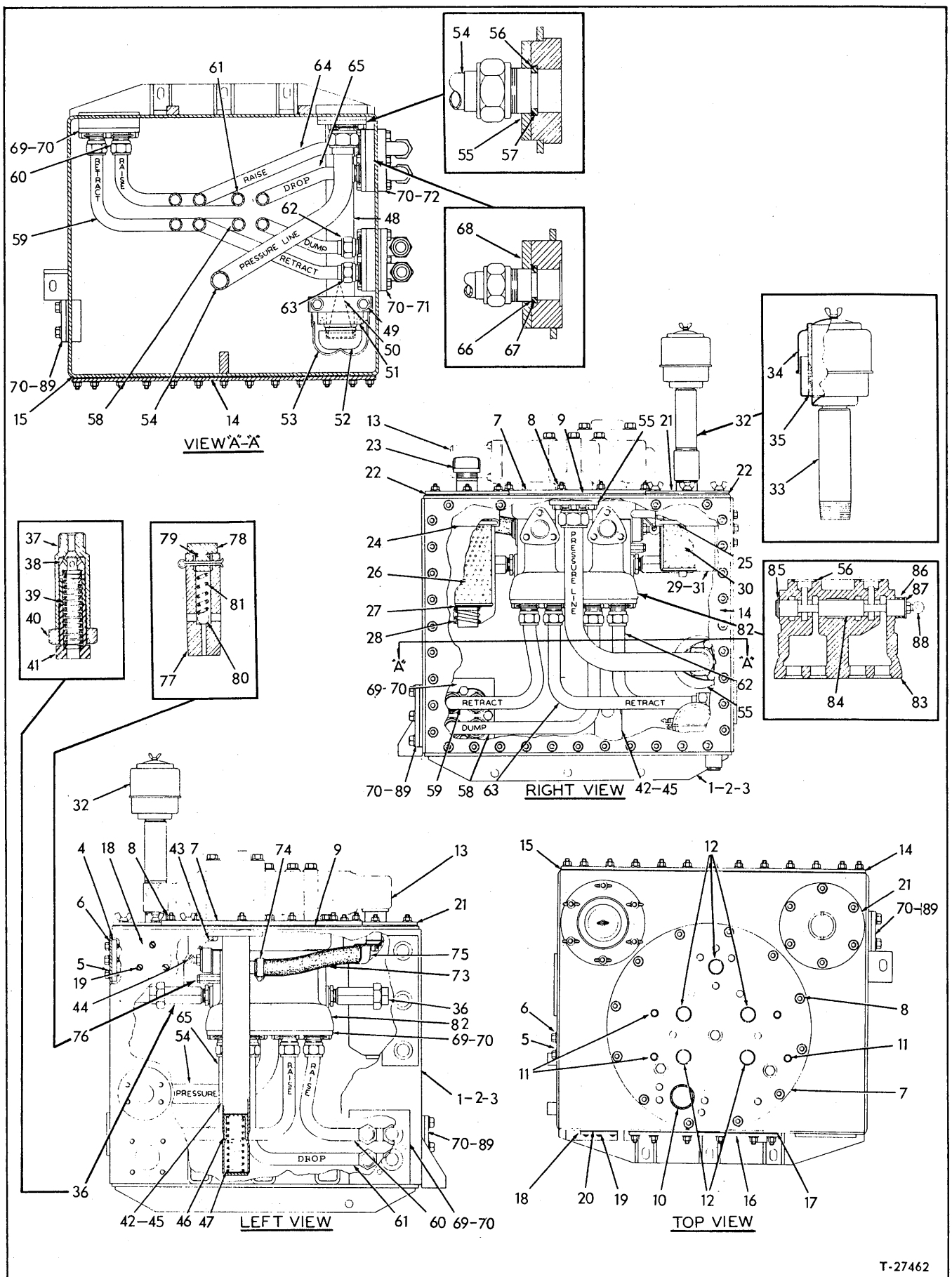
T-30875

UNIVERSAL JOINT PARTS

USAGE: See pages 638 and 640

* Joint Assembly 73015925
** Joint Assembly 73025343

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	73010729	1	1	YOKE, front (splined)
2	73011020	2	2	SPIDER ASSEMBLY (Includes PLUG and FITTING indented below and items 3 thru 6)
	70910230	2	2	PLUG, pipe, slotted-hd., 1/8"NPT
	70914465	2	2	FITTING, lubricating, straight, 1/8"NPT
3	73011022	6	6	BEARING ASSEMBLY, needle (Serviced only as a unit)
4	73011024	2	2	BEARING ASSEMBLY, needle (Has lubricating hole)(Serviced only as a unit)
5	73011023	16	16	WASHER, sealing, spider bearing
6	73011021	8	8	RING, snap, spider bearing
7	73012173	1	-	CENTER, double yoke
	73025344	-	1	CENTER, double yoke
8	73011026	1	-	YOKE, rear (flanged)
	73011027	4	-	CAPSCREW, drilled-hd., 7/16"NF x 3/4"
	73007380	2	-	WIRE, locking, #16 x 12"
	70664692	-	1	YOKE, rear (flanged)
9	73015865	1	-	FLANGE, yoke attaching



HYDRAULIC TANK (First type)

HYDRAULIC TANK

USAGE: Shovels prior to serial No. 122

ITEM	PART NO.	QTY.	DESCRIPTION
1	------	1	TANK AND VALVE ASSY., hydraulic (Consists of items 2 thru 89)(Order TANK AND VALVE ASSY. 73019317. When making initial replacement also order 2 ELBOWS 70919625)
2	------	1	TANK ASSY., hydraulic (Consists of items 3 thru 9 and 14 thru 89)(Order TANK ASSY. 73019342. When making initial replacement also order 2 ELBOWS 70919625)
	70909091	1	PLUG, pipe, ctsk-hd., 3/4"NPT
3	73010623	1	TANK, hydraulic (Includes welded studs)
4	70626704	1	PLATE, cover (Discard when installing Power Take-Off)
	70916381	2	CAPSCREW, 3/8"NF x 3/4"
5	70625084	2	WASHER, sealing
	70920601	1	CAPSCREW, 7/16"NF x 7/8"
6	70625085	1	WASHER, sealing
7	73010597	1	PLATE, valve mounting
	70913105	3	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	3	LOCKWASHER, 1/2"
	70904206	12	LOCKWASHER, 3/8"
8	73019683	12	NUT, aluminum, 3/8"NC
9	70626702	1	GASKET, valve mounting plate
10	70923814	1	O-RING, valve mounting (large)
11	70923565	4	O-RING, valve mounting (small)
12	70923577	5	O-RING, valve mounting (medium)
13	------	1	VALVE ASSEMBLY, control (See SHOVEL VALVE AND CONTROLS)
	70916427	2	CAPSCREW, 1/2"NF x 4-3/4"
	70920606	6	CAPSCREW, 1/2"NF x 5-3/4"
	70904208	8	LOCKWASHER, 1/2"
14	70626670	1	COVER, tank side
	70904206	35	LOCKWASHER, 3/8"
	73019683	35	NUT, aluminum, 3/8"NC
15	70626671	1	GASKET, tank side cover
16	73010921	1	COVER, valve inspection
	70904206	12	LOCKWASHER, 3/8"
	73019683	12	NUT, aluminum, 3/8"NC
17	70626677	1	GASKET, inspection cover
18	70626678	1	COVER, power take-off
	70914108	3	SCREW, machine, 1/4"NF x 5/8"
19	70625086	3	WASHER, sealing
20	70625087	1	GASKET, power take-off cover
21	73010704	2	COVER, breather and filter
	70904206	12	LOCKWASHER, 3/8"
	70915017	6	NUT, wing, 3/8"NC
	73019683	6	NUT, aluminum, 3/8"NC

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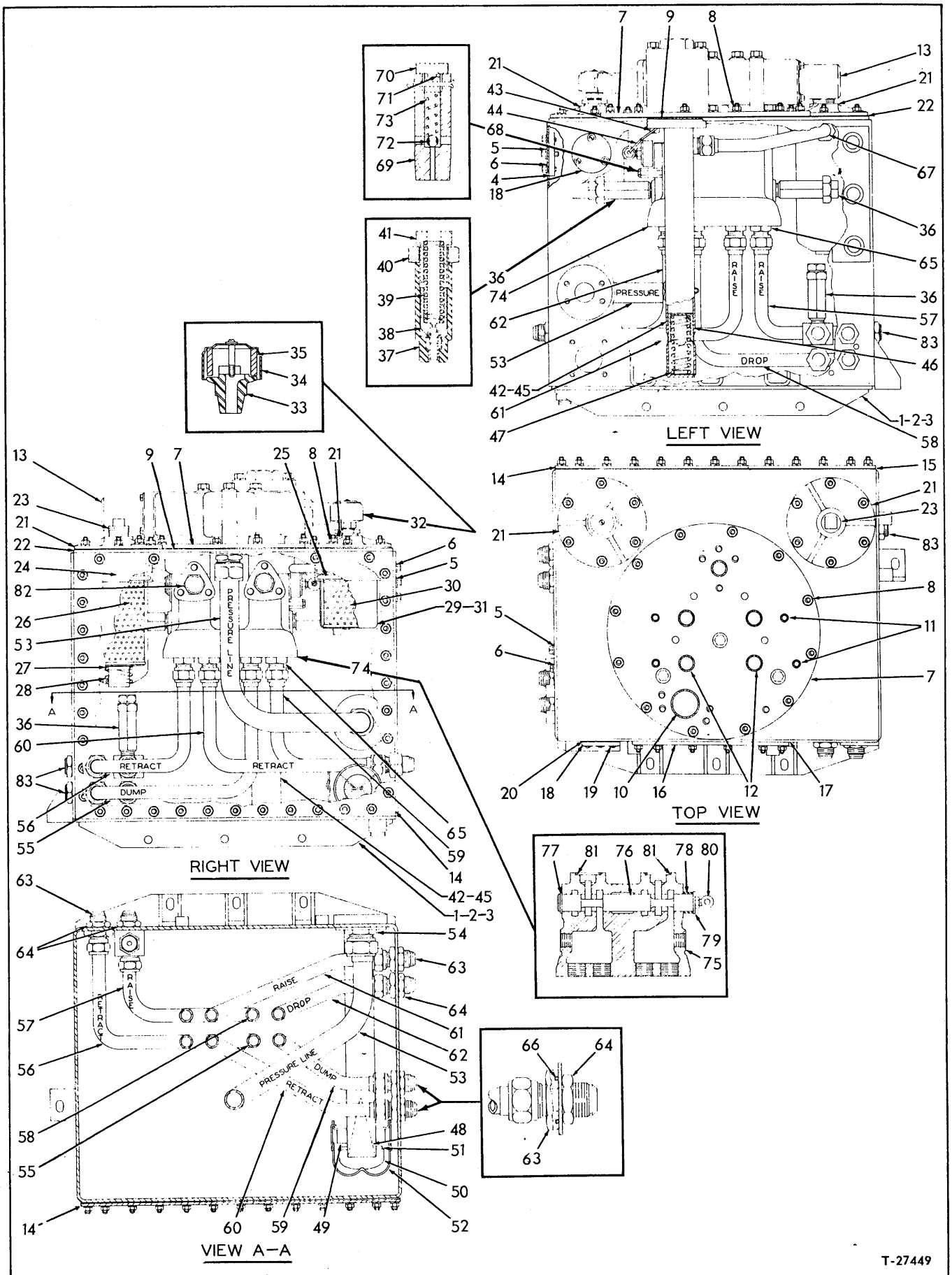
ITEM	PART NO.	QTY.	DESCRIPTION
22	70626685	2	GASKET, breather and filter cover (See item 90)
23	73016858	1	DIPSTIC, oil level
24	73013122	1	CASE, oil filter
25	70923836	2	O-RING, filter cases
26	--------	1	ELEMENT, oil filter (Order item 90)
27	70045143	1	WASHER, element retaining
28	73012944	1	SPRING, element retaining
29	73010691	1	CASE, air filter
30	--------	1	ELEMENT, air filter (Order item 90)
31	73010655	1	GASKET, air filter case
32	73010481	1	BREATHER ASSY. (Includes items 33 thru 35)
	70901769	1	COUPLING, pipe, 1-1/4"NPT
33	73010482	1	BASE, breather
34	73006745	1	CAP, breather
	73006744	1	SCREW
35	--------	1	ELEMENT, breather (Order item 90)
36	73020506	2	VALVE ASSY., relief (Includes items 37 thru 41)
	70901829	2	BUSHING, pipe reducing, 1" NPT to 3/4"NPT
37	73019598	2	BODY, relief valve (Original equipment)
	73054059	2	BODY ASSY. (Includes insert)(For service replacement valves only)
38	73019977	2	PLUNGER ASSY., relief valve (Includes ball) (Original equipment)
	73052771	2	POPPET (For service replacement valve only)
39	73016277	2	SPRING, relief valve
40	73020521	2	NUT, relief valve cap
41	73016278	2	CAP, relief valve
42	73014395	1	PIPE, discharge
	70910910	1	PIN, cotter, 7/32" x 3"
43	73011789	2	CAPSCREW, drilled-hd., 1/2"NF x 1"
44	73007380	1	WIRE, locking, #16 x 12"
45	70626705	1	GASKET, discharge pipe
46	70626691	1	PLUNGER, discharge pipe
47	70626692	1	SPRING, discharge pipe
48	70626857	1	TUBE, suction
49	73010941	1	CLAMP, suction tube (bottom half)
	73011923	1	CLAMP, suction tube (top half)
	73011789	2	CAPSCREW, drilled-hd., 1/2"NF x 1"
	73007380	1	WIRE, locking #16 x 12"

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ITEM	PART NO.	QTY.	DESCRIPTION
50	70626688	1	STRAINER, suction line
51	73011349	1	MAGNET, suction line
52	73011930	1	BAFFLE, suction line
53	73011928	1	BAIL, suction line baffle
54	73016317	1	TUBE ASSEMBLY, main pressure (Includes nuts)
55	73016607	2	RETAINER, tube adapting
	73011789	6	CAPSCREW, drilled-hd., 1/2"NF x 1"
	73007380	2	WIRE, locking, #16 x 12"
56	70923577	6	O-RING, tube adapting retainer and diverting valve
57	73016341	2	SLEEVE, o-ring retaining
58	73016316	1	TUBE ASSEMBLY, dump pressure, left cylinder (Includes nuts)
59	73016310	1	TUBE ASSEMBLY, retract pressure, left cylinder (Includes nuts)
60	73016315	1	TUBE ASSEMBLY, raise pressure, left cylinder (Includes nuts)
61	73016330	1	TUBE ASSEMBLY, drop pressure, left cylinder (Includes nuts)
62	73016312	1	TUBE ASSEMBLY, dump pressure, right cylinder (Includes nuts)
63	73016314	1	TUBE ASSEMBLY, retract pressure, right cylinder (Includes nuts)
64	73016313	1	TUBE ASSEMBLY, raise pressure, right cylinder (Includes nuts)
65	73016311	1	TUBE ASSEMBLY, drop pressure, right cylinder (Includes nuts)
66	70923649	16	O-RING, tube adapting plate
67	70625077	16	SLEEVE, o-ring retaining
68	70625102	2	PLATE, tube adapting
	73011789	6	CAPSCREW, drilled-hd., 1/2"NF x 1"
	73007380	2	WIRE, locking, #16 x 12"
69	73016335	4	PLATE, tube adapting
	73011789	12	CAPSCREW, drilled-hd., 1/2"NF x 1"
	73007380	6	WIRE, locking, #16 x 12"
	70914875	3	CAPSCREW, 1/2"NF x 1"
	73010837	3	WASHER, sealing
70	70923664	10	O-RING, adapting plate
71	73011263	1	PLATE, tube adapting
	70914875	3	CAPSCREW, 1/2"NF x 1"
	73010837	3	WASHER, sealing
72	73010609	1	PLATE, tube adapting
	70914875	3	CAPSCREW, 1/2"NF x 1"
	73010837	3	WASHER, sealing
73	73011356	1	HOSE, oil filter
74	70921911	2	CLAMP, hose, 11/16" to 1-1/4" diam.

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
75	73011755	1	CLIP, hose, oil filter
	73011789	1	CAPSCREW, drilled-hd., 1/2"NF x 1"
	73013079	1	WIRE, locking, #16 x 8"
76	70626698	1	VALVE ASSEMBLY, check (Consists of items 77 thru 81)
77	------	1	BODY, check valve (Not serviced separately. Order item 76)
78	------	1	CAP, check valve (Not serviced separately. Order item 76)
	70904020	1	PIN, cotter, 1/16" x 1"
79	70923558	1	O-RING, check valve
80	70905358	1	BALL, check valve (1/4" diam.)
81	73007405	1	SPRING, check valve
82	73010878	1	VALVE ASSEMBLY, diverting (Consists of items 83 thru 88)
83	------	1	HOUSING, diverter valve (Not serviced. Order item 82)
84	------	1	PLUNGER, diverter valve (Not serviced. Order item 82)
85	73007239	1	RING, snap, valve plunger
86	73012461	1	SPACER, valve plunger
87	70914906	1	WASHER, retaining, valve plunger (17/32" I.D.)
88	73010871	1	EYE, valve plunger
	70913177	1	NUT, jam, 1/2"NF
	73010603	1	WIRE, locking, #16 x 22"
89	73011335	1	PLATE, adapting (For use when installing Power Take-off)
	70914875	3	CAPSCREW, 1/2"NF x 1"
	73010837	3	WASHER, sealing
90	73019696	1	ELEMENT KIT, filter and breather (Consists of items 22, 26, 30, and 35) (Not illustrated)



HYDRAULIC TANK (Second type)

HYDRAULIC TANK

USAGE: Effective with shovel serial No. 122

ITEM	PART NO.	QTY.	DESCRIPTION
1	73019317	1	TANK AND VALVE ASSEMBLY, hydraulic (Consists of items 2 thru 83)
2	73019342	1	TANK ASSEMBLY, hydraulic (Consists of 1 PLUG 70909091, items 3 thru 9 and 14 thru 83)
	70909091	1	PLUG, pipe, ctsk-hd., 3/4"NPT
3	70626667	1	TANK, hydraulic (Includes welded studs)
4	70626704	1	PLATE, cover (Discard when installing Power Take-off)
	70920601	1	CAPSCREW, 7/16"NF x 7/8"
5	70625085	1	WASHER, sealing
	70916381	2	CAPSCREW, 3/8"NF x 3/4"
6	70625084	2	WASHER, sealing
7	70626669	1	PLATE, valve mounting
	70913105	3	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	3	LOCKWASHER, 1/2"
	70904206	12	LOCKWASHER, 3/8"
8	73019683	12	NUT, aluminum, 3/8"NC
9	70626702	1	GASKET, valve mounting plate
10	70923814	1	O-RING, valve mounting (large)
11	70923565	4	O-RING, valve mounting (small)
12	70923577	5	O-RING, valve mounting (medium)
13	------	1	VALVE ASSEMBLY, control (See SHOVEL VALVE AND CONTROLS)
	70916427	2	CAPSCREW, 1/2"NF x 4-3/4"
	70920606	6	CAPSCREW, 1/2"NF x 5-3/4"
	70904208	8	LOCKWASHER, 1/2"
14	70626670	1	COVER, tank side
	70904206	35	LOCKWASHER, 3/8"
	73019683	35	NUT, aluminum, 3/8"NC
15	70626671	1	GASKET, tank side cover
16	70626676	1	COVER, valve inspection
	70904206	12	LOCKWASHER, 3/8"
	73019683	12	NUT, aluminum, 3/8"NC
17	70626677	1	GASKET, inspection cover
18	70626678	1	COVER, power take-off
	70914108	3	SCREW, machine, 1/4"NF x 5/8"
19	70625086	3	WASHER, sealing
20	70625087	1	GASKET, power take-off cover
21	73019284	2	COVER, breather and filter
	70904206	12	LOCKWASHER, 3/8"
	73019683	12	NUT, aluminum, 3/8"NC
22	70626685	2	GASKET, breather and filter cover (See item 84)
23	70626701	1	DIPSTICK, oil level

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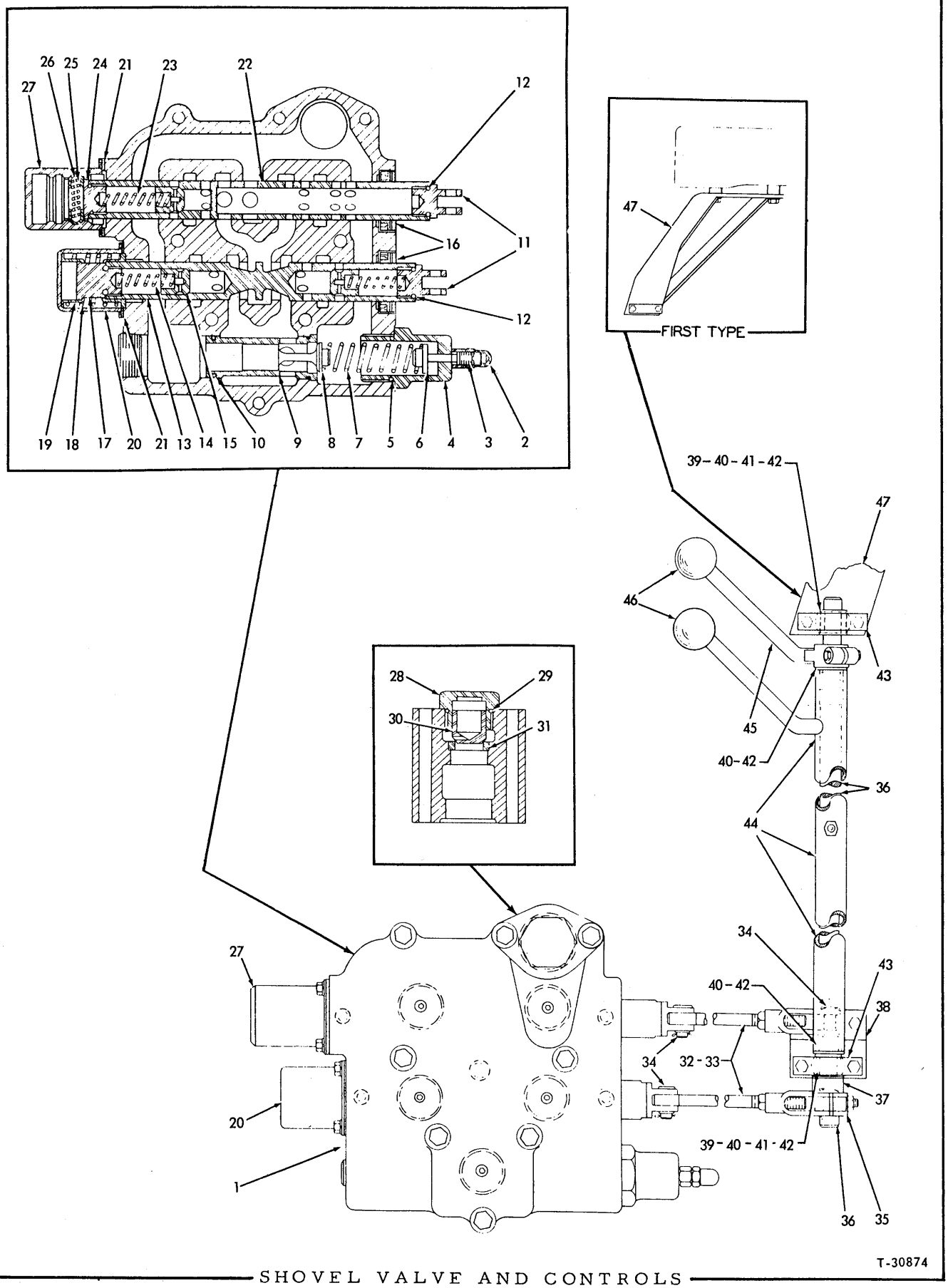
ITEM	PART NO.	QTY.	DESCRIPTION
24	73013122	1	CASE, oil filter
25	70923836	2	O-RING, filter cases
26	--------	1	ELEMENT, oil filter (Order item 84)
27	70045143	1	WASHER, element retaining
28	73012944	1	SPRING, element retaining
29	73010691	1	CASE, air filter
30	--------	1	ELEMENT, air filter (Order item 84)
31	73010655	1	GASKET, air filter case
32	73002766	1	BREATHER ASSY. (Includes items 33 thru 35)
	70901844	1	BUSHING, pipe reducing, 1-1/4"NPT to 3/4"NPT
	70901829	1	BUSHING, pipe reducing, 1" NPT to 3/4"NPT
33	73002767	1	BASE, breather
34	73002768	1	CAP, breather
	70914172	1	SCREW, machine #10-32NF x 1-1/4"
	70904203	1	LOCKWASHER, #10
35	--------	1	ELEMENT, breather (Order item 84)
36	73020506	3	VALVE ASSY., relief (Consists of items 37 thru 41) (1 less used on shovels prior to #144)
37	73019598	3	BODY, relief valve (Original equipment)
	73054059	3	BODY ASSY. (Includes insert)(For service replacement valves only)
38	73019977	3	PLUNGER ASSY., relief valve (Includes ball) (Original equipment)
	73052771	3	POPPET (For service replacement valves only)
39	73016277	3	SPRING, relief valve
40	73020521	3	NUT, relief valve cap
41	73016278	3	CAP, relief valve
42	70626697	1	PIPE, discharge
	70910910	1	PIN, cotter, 7/32" x 3"
43	73011789	2	CAPSCREW, drilled-hd., 1/2"NF x 1"
44	73007380	1	WIRE, locking, #16 x 12"
45	70626705	1	GASKET, discharge pipe
46	70626691	1	PLUNGER, discharge pipe
47	70626692	1	SPRING, discharge pipe
48	70626688	1	STRAINER, suction line
49	73011349	1	MAGNET, suction line
50	73019231	1	BAFFLE, suction line
51	73019303	1	SUPPORT, suction line baffle
52	70626687	1	BAIL, suction line baffle

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
53	70626680	1	TUBE ASSEMBLY, main pressure (Includes nuts)
54	70626679	2	CONNECTOR
55	70626689	1	TUBE ASSEMBLY, dump pressure, left cylinder (Includes nuts)
56	70626674	1	TUBE ASSEMBLY, retract pressure, left cylinder (Includes nuts)
57	73017351	1	TUBE ASSEMBLY, raise pressure, left cylinder (Includes nuts) (Used prior to shovel #144)
	70626675	1	TUBE ASSEMBLY, raise pressure, left cylinder (Includes nuts) (Effective with shovel #144)
	73021852	1	TEE, bulkhead
58	70626690	1	TUBE ASSEMBLY, drop pressure, left cylinder (Includes nuts)
59	70626683	1	TUBE ASSEMBLY, dump pressure, right cylinder (Includes nuts)
60	70626684	1	TUBE ASSEMBLY, retract pressure, right cylinder (Includes nuts)
61	70626681	1	TUBE ASSEMBLY, raise pressure, right cylinder (Includes nuts)
62	70626682	1	TUBE ASSEMBLY, drop pressure, right cylinder (Includes nuts)
63	73016070	8	UNION, bulkhead, cylinder tube (1 less used effective with shovel #144)
64	73016394	10	NUT, bulkhead union
65	73016347	8	CONNECTOR, cylinder tube
66	70923664	10	O-RING, cylinder tube
67	70626673	1	TUBE ASSEMBLY, oil filter (Includes nuts)
68	70626698	1	VALVE ASSEMBLY, check (Consists of items 69 thru 73) (Used prior to Shovel #144)
	70907856	1	PLUG, pipe, hex-socket, 3/8"NPT (Effective with shovel #144)
69	------	1	BODY, check valve (Not serviced separtately)
70	------	1	CAP, check valve (Not serviced separately)
	70904020	1	PIN, cotter, 1/16" x 1"
71	70923558	1	O-RING, check valve
72	70905358	1	BALL, check valve (1/4" diam.)
73	73007405	1	SPRING, check valve
74	70626703	1	VALVE ASSEMBLY, diverting (Consists of items 75 thru 80. When replacing also order item 81)
75	------	1	HOUSING, diverter valve (Not serviced. Order item 74)
76	------	1	PLUNGER, diverter valve (Not serviced. Order item 74)
77	73007239	1	RING, snap, valve plunger
78	73012461	1	SPACER, valve plunger
79	70914906	1	WASHER, retaining, valve plunger (17/32" I.D.)

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
80	73010871	1	EYE, valve plunger
	70913830	1	NUT, jam, 1/2"NF
	73010603	1	WIRE, locking, #16 x 22"
81	70923577	4	O-RING, diverter valve mounting
82	70626706	2	PLUG, diverter valve (Remove when installing Power Take-off)
83	70626672	2	PLUG, cylinder tube protecting
84	73038306	1	ELEMENT KIT, filter and breather (Consists of items 22, 26, 30 and 35) (Not illustrated)



SHOVEL VALVE AND CONTROLS

SHOVEL VALVE AND CONTROLS

ITEM	PART NO.	QTY.	DESCRIPTION
1	73010867	1	VALVE ASSEMBLY, control (Consists of housing which is not serviced separately, hardware indented below and items 2 thru 31)
	70908944	1	PLUG, pipe, hex-socket, 1/2"NPT
	70918850	5	PLUG, pipe, hex-socket, 1/4"NPT
	70916427	1	CAPSCREW, 1/2"NF x 4-3/4" (2 used prior to shovel #143)
	70913605	1	CAPSCREW, 1/2"NF x 5-1/2" (Effective with shovel #143)
	70920606	6	CAPSCREW, 1/2"NF x 5-3/4"
	70904208	8	LOCKWASHER, 1/2"
2	73003911	1	NUT, relief valve screw
	70911043	1	NUT, 1/2"NF
3	73004711	1	SCREW, relief valve adjustment
4	73007228	1	CAP, relief valve
5	70923577	1	O-RING, relief valve cap
6	73004720	1	GUIDE, relief valve spring
7	73007227	1	SPRING, relief valve
8	73004709	1	PLUNGER, relief valve
9	73010862	1	SEAT, relief valve plunger
10	70923664	1	O-RING, relief valve seat
11	73004708	2	EYE, operating plunger
12	70923575	4	O-RING, operating plunger eye
13	------	1	PLUNGER, operating, double acting (Order item 1)
14	73001716	2	SPRING, check valve plunger
15	73004706	3	PLUNGER, check valve
16	73004707	2	SEAL, oil, operating plunger
17	73010866	1	CAP, operating plunger
18	73010864	1	SPRING, return, operating plunger
19	73010865	2	RETAINER, plunger return spring
20	73010863	1	CAP, spring retainer
	70916277	4	CAPSCREW, 5/16"NC x 5/8"
	70904205	4	LOCKWASHER, 5/16"
21	73010855	2	GASKET, spring retainer and detent cap
22	------	1	PLUNGER, operating, float (Order item 1)
23	73010857	1	SPRING, check valve plunger

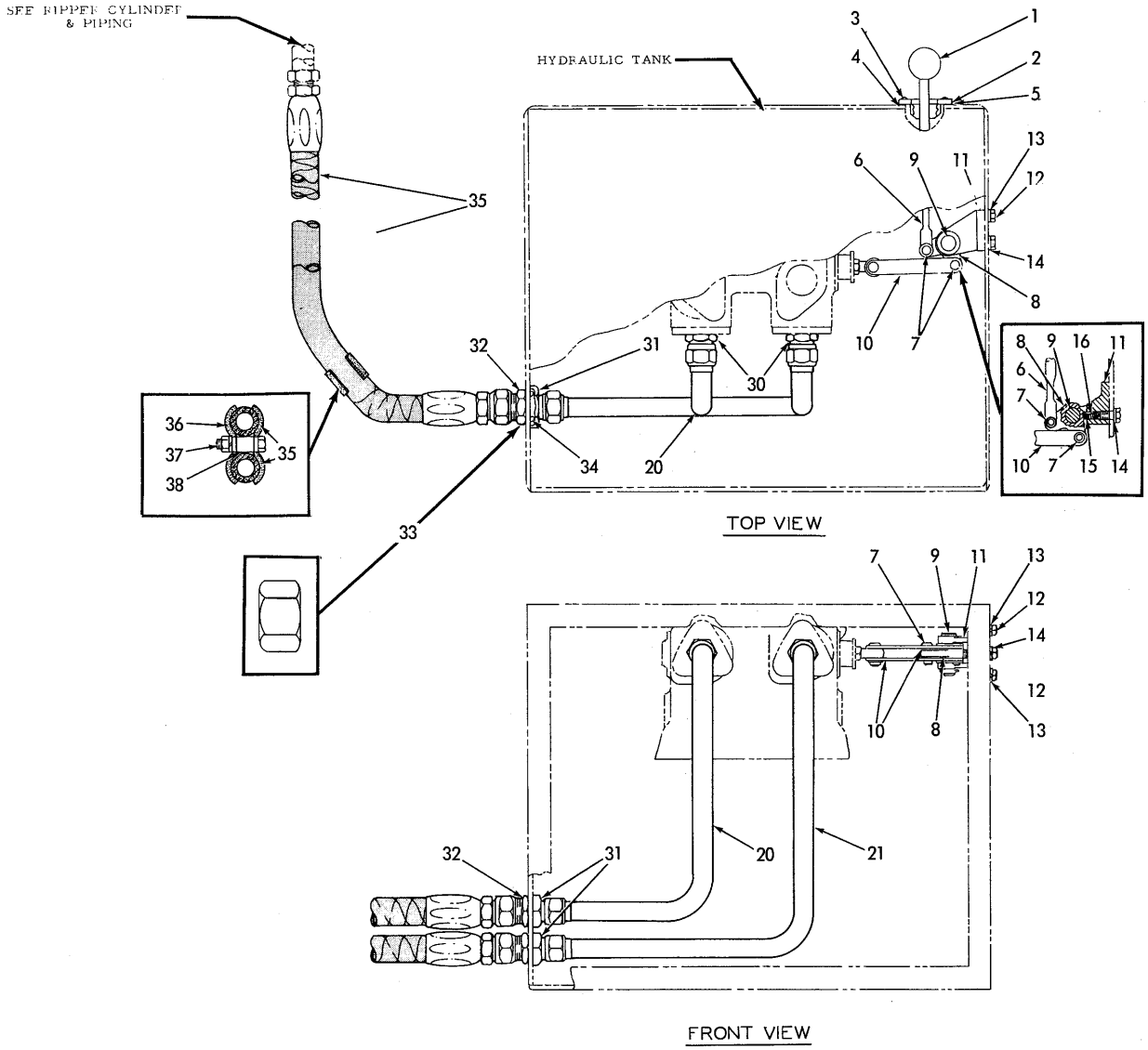
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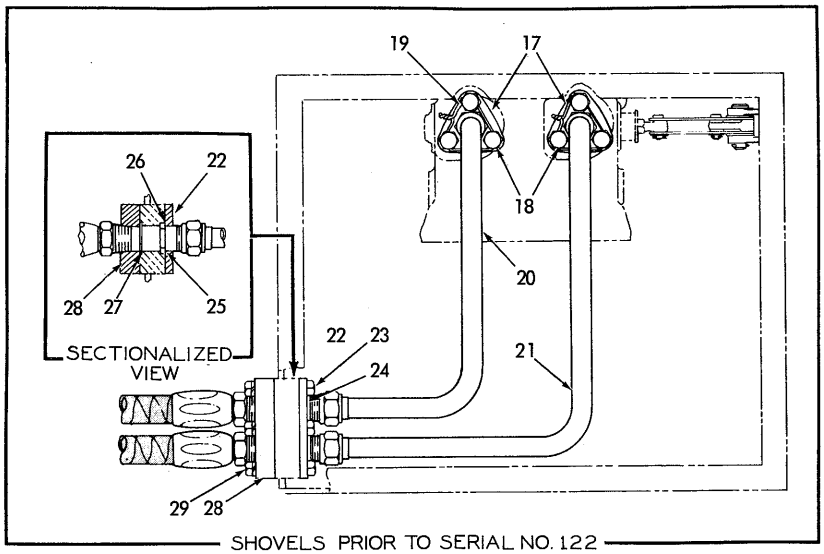
SHOVEL VALVE AND CONTROLS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
24	73010856	1	CAP, detent, operating plunger
25	73010853	1	SPRING, detent plunger
26	73010854	2	PLUNGER, detent
27	73010852	1	CAP, detent plunger
	70916277	4	CAPSCREW, 5/16"NC x 5/8"
	70904205	4	LOCKWASHER, 5/16"
28	73010848	1	CAP, flow valve
29	70923577	1	O-RING, flow valve cap
30	73010849	1	PLUNGER, flow valve
31	73010851	1	SEAT, flow valve plunger
32	73019486	2	ROD ASSEMBLY, control (Includes 1 BUSHING 73013909)(Used prior to shovel #143)
	73021519	2	ROD ASSEMBLY, control (Includes 1 BUSHING 73013909)(Effective with shovel #143)
	70917666	2	YOKE, rod end, adjustable, 1/2"NF
	70913177	2	NUT, jam, 1/2"NF
33	73013909	4	BUSHING, control rod
34	70049993	4	PIN, control linkage
	70910244	2	WASHER, plain, SAE std., 1/2" (valve end)
	70900806	4	PIN, cotter, 1/8" x 1"
35	73012171	1	LEVER ASSEMBLY, control (Includes 1 BUSHING 73013909)
	70916385	1	CAPSCREW, 3/8"NF x 2"
	70904206	1	LOCKWASHER, 3/8"
	70911041	1	NUT, 3/8"NF
36	73017946	1	SHAFT, control lever
37	70626730	1	SPACER, control lever
38	70626729	1	BRACKET, control shaft
	70916225	2	CAPSCREW, 3/8"NF x 1"
	70900817	2	WASHER, plain, U.S. std., 3/8"
	70904206	2	LOCKWASHER, 3/8"
	70911041	2	NUT, 3/8"NF
39	70626721	2	BEARING ASSEMBLY, control shaft (Consists of 1 BEARING 70208253, 1 RETAINER 70626720 and 2 SEAL 70052662)
40	70208253	4	BEARING, control shaft
41	70626720	2	RETAINER, control shaft bearing
42	70052662	6	SEAL, control shaft bearing

(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
43	70626715	2	BLOCK ASSY., pillow (Includes lug, block, 2 CAPSCREW 70916387, 2 LOCKWASHER 70904206 and 2 NUT 70911041)
	70916387	4	CAPSCREW, 3/8"NF x 2-1/2"
	70911115	2	WASHER, plain, SAE std., 3/8"
	70904206	4	LOCKWASHER, 3/8"
	70911041	4	NUT, 3/8"NF
44	73017949	1	TUBE ASSY., operating lever (Includes 1 BUSHING 73013909, 2 BEARING 70208253 2 SEAL 70052662 and FITTING indented below)
	70914465	1	FITTING, lubricating, straight, 1/8"NPT
	70911386	2	WASHER, plain, 25/32"I.D. x 1-1/2"O.D.
45	73017963	1	LEVER, operating
	70905122	2	KEY, woodruff, 1/8" x 3/4"
	70916385	1	CAPSCREW, 3/8"NF x 2"
	70904206	1	LOCKWASHER, 3/8"
	70911041	1	NUT, 3/8"NF
46	73001171	2	KNOB, operating
47	703019480	1	BRACKET, control shaft (Used prior to shovel #143)
	70916311	2	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	2	LOCKWASHER, 1/2"
	73021400	1	BRACKET, control shaft (Effective with shovel #143)
	70914875	2	CAPSCREW, 1/2"NF x 1"
	70910244	2	WASHER, plain, SAE std., 1/2"
	70904208	2	LOCKWASHER, 1/2"





T-70817

DIVERTING VALVE CONTROL AND PIPING

DIVERTING VALVE CONTROL AND PIPING

USAGE: Special equipment for Model HD16G. Provides rear hydraulic outlet for operating auxiliary equipment.

* Shovels prior to serial No. 122
** Shovels serial No. 122 and up

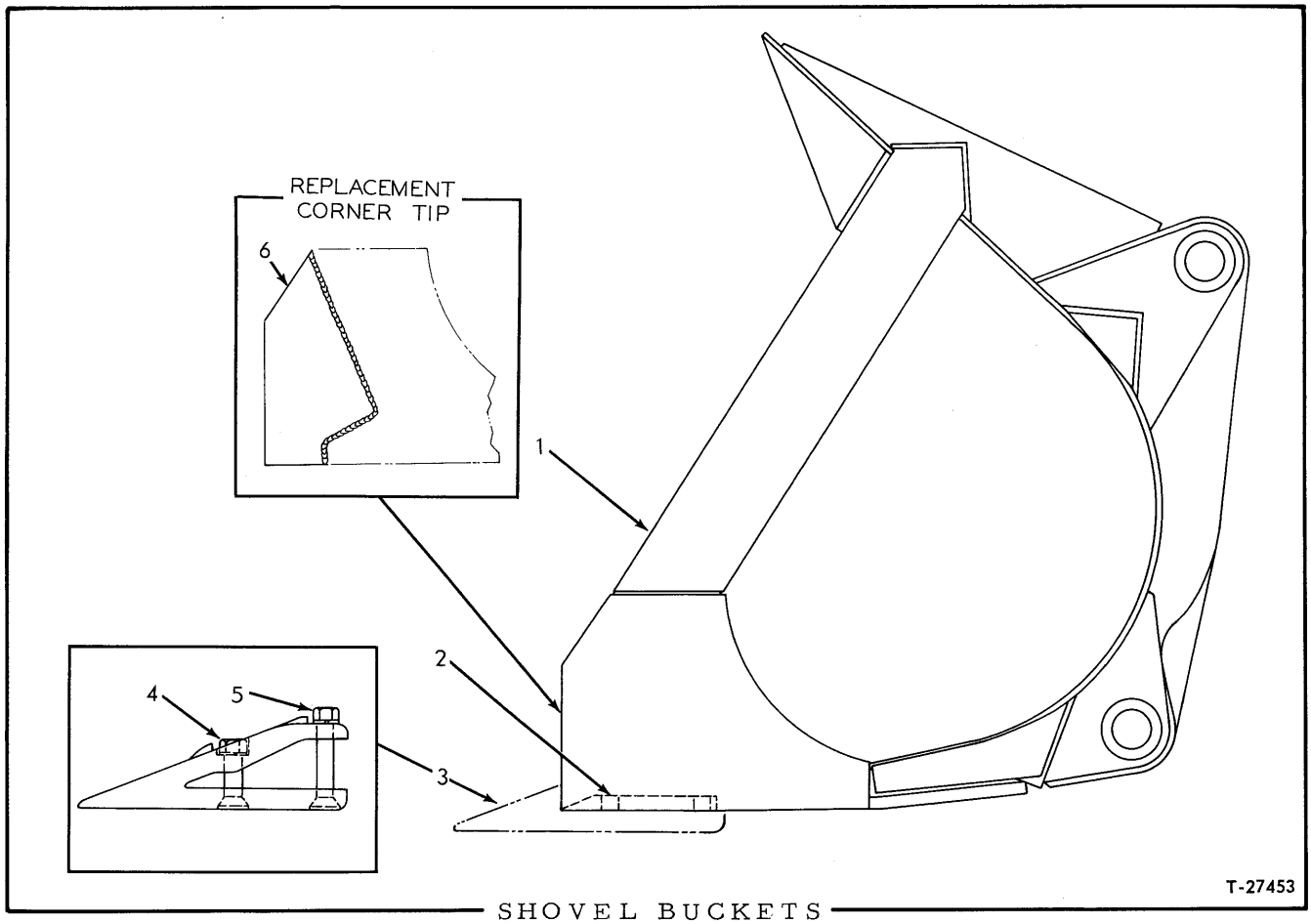
ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
1	70091862	1	1	KNOB, control rod
2	70625091	1	1	FLANGE, guide, control rod
	70914108	3	3	SCREW, machine, 1/4"NF x 5/8"
3	70625086	3	3	WASHER, sealing
4	70625087	1	1	GASKET, guide flange
5	70625088	1	1	SEAL, oil, guide flange
6	70625092	1	1	ROD, control
7	70078810	3	3	PIN, control rod and link
	70911115	2	2	WASHER, plain, SAE std., 3/8"
	70900942	3	3	PIN, cotter, 3/32" x 5/8"
8	70625090	1	1	BELLCRANK, control rod
9	70643996	1	1	PIN, bellcrank
	70900806	1	1	PIN, cotter, 1/8" x 1"
10	70625089	2	2	LINK, bellcrank to valve
11	70625094	1	1	BRACKET, mounting
12	70036032	2	2	CAPSCREW, 3/8"NF x 3/4"
13	70625084	2	2	WASHER, sealing (3/8")
	70920601	1	1	CAPSCREW, 7/16"NF x 7/8"
14	70625085	1	1	WASHER, sealing (7/16")
15	70614184	1	1	POPPET, detent
16	70625098	1	1	SPRING, detent poppet
17	70625081	2	-	PLATE, tube adapting
18	70048676	6	-	CAPSCREW, drilled-hd., 1/2"NF x 1"
19	70023633	2	-	WIRE, locking, 1/16" x 12"
20	70625079	1	-	TUBE ASSEMBLY, left (Includes nuts)
	70625108	-	1	TUBE ASSEMBLY, left (Includes nuts)
21	70625078	1	-	TUBE ASSEMBLY, right (Includes nuts)
	70625107	-	1	TUBE ASSEMBLY, right (Includes nuts)
22	70625102	1	-	PLATE, retaining, tube sleeve
23	70048676	3	-	CAPSCREW, drilled-hd., 1/2"NF x 1"
24	70023633	2	-	WIRE, locking, 1/16" x 12"
25	70923649	4	-	O-RING, tube sleeve
26	70625077	4	-	SLEEVE, tube adapting
27	70923664	2	-	O-RING, adapter plate

(Continued)

DIVERTING VALVE CONTROL AND PIPING (Continued)

ITEM	PART NO.	QTY. *	QTY. **	DESCRIPTION
28	70625080	1	-	PLATE, tube adapter
	70901666	2	-	PLUG, pipe, ctsk-hd., 1"NPT (Shipping only)
29	70035073	3	-	CAPSCREW, 1/2"NF x 1-3/4"
	70904208	3	-	LOCKWASHER, 1/2"
30	73016347	-	2	CONNECTOR, internal tube
31	73016070	-	2	UNION, bulkhead
32	73016394	-	2	NUT, special
33	70625106	-	2	CAP, closure (For protecting disconnected lines)
34	70923664	-	2	O-RING, bulkhead union
35	70625217	2	-	HOSE ASSEMBLY, (See page 6 for parts)
	70625222	-	2	HOSE ASSEMBLY, (See page 6 for parts)
36	70625221	2	2	CLAMP, hose supporting
37	70035068	1	1	CAPSCREW, 1/2"NF x 2-1/4"
	70904208	1	1	LOCKWASHER, 1/2"
	70911043	1	1	NUT, 1/2"NF
38	70625220	1	1	SPACER, hose clamp

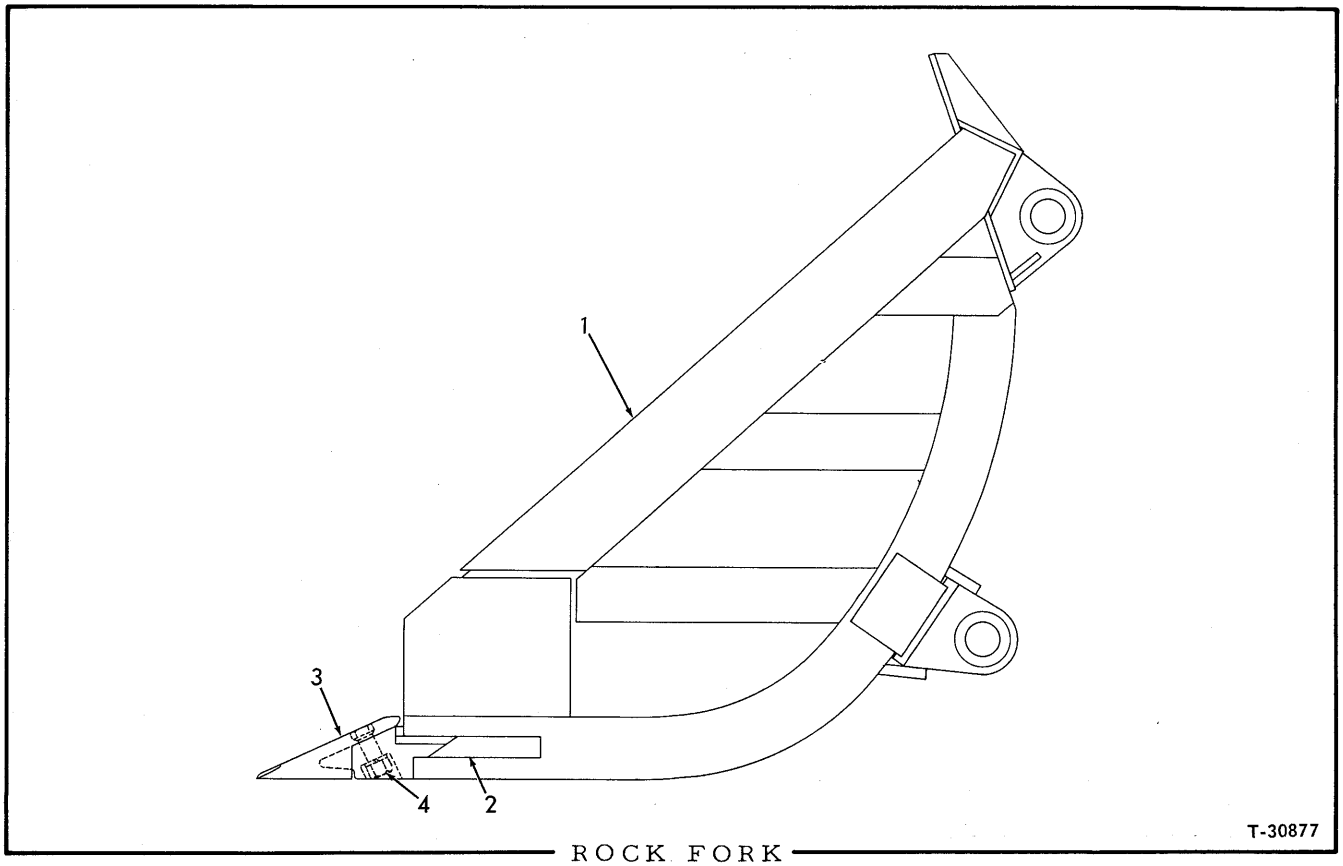
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SHOVEL BUCKETS

ITEM	PART NO.	QTY.	DESCRIPTION
1	------	1	BUCKET ASSEMBLY, standard (Includes item 2)(Order BUCKET ASSEMBLY 70090687)
	------	1	BUCKET ASSEMBLY, rock (Includes items 2 and 3)(Order BUCKET ASSEMBLY 70090687)
	------	1	BUCKET ASSEMBLY, light materials (Discontinued)
	70090687	1	BUCKET ASSEMBLY, general purpose (Includes item 2)
2	70626789	1	EDGE, cutting (1" thick, 105-1/2" long)(Requires welding to install)
3	70627121	8	TOOTH ASSEMBLY (Includes hardware indented below)
4	70636512	8	CAPSCREW, 1"NC x 3-3/4"
5	70636513	8	CAPSCREW, 1"NC x 5-1/2"
	70910916	16	LOCKWASHER, 1"
	70911032	16	NUT, 1"NC
6	70635463	1	TIP, bucket corner, left
	70635464	1	TIP, bucket corner, right

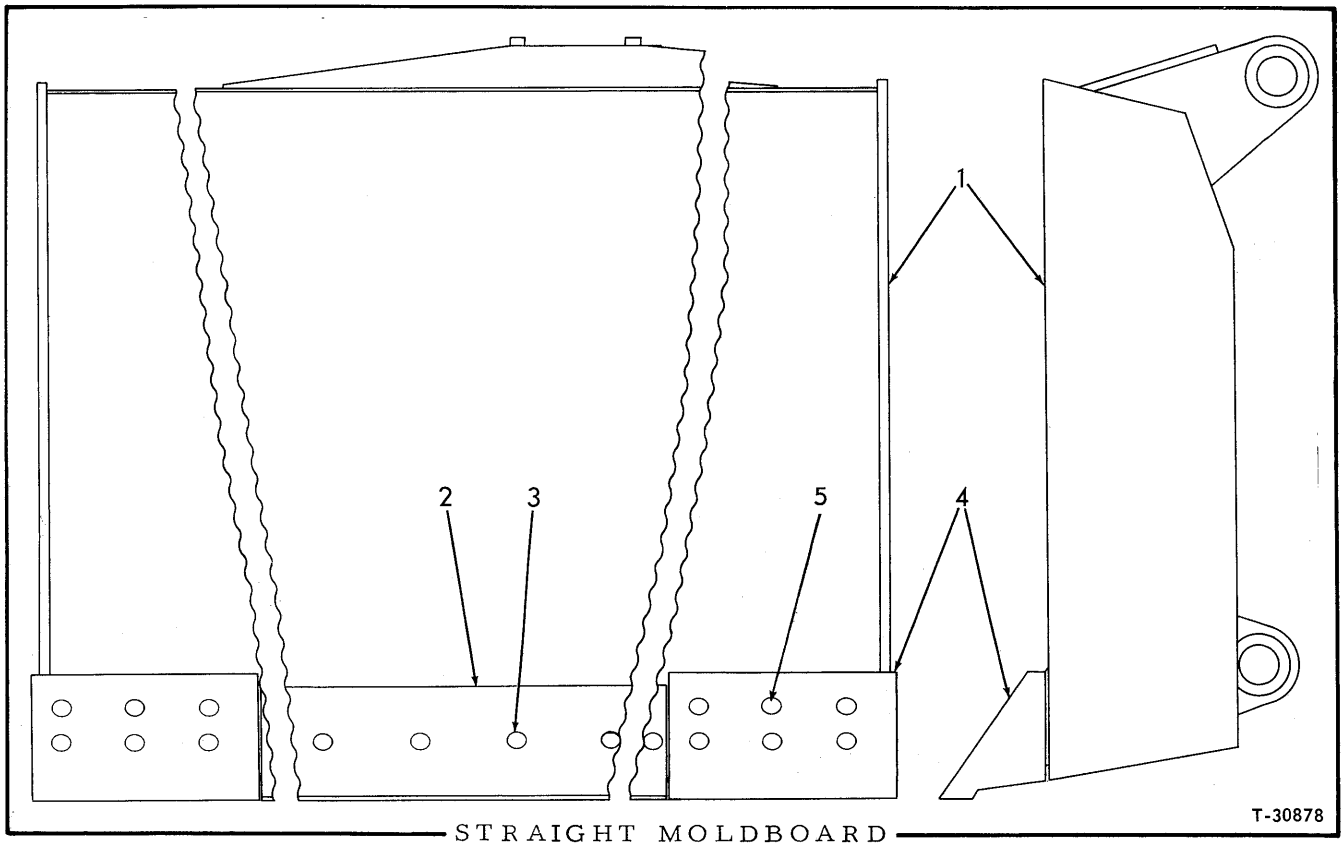
Not original equipment. Requires welding to install.



ROCK FORK

USAGE: Special equipment.

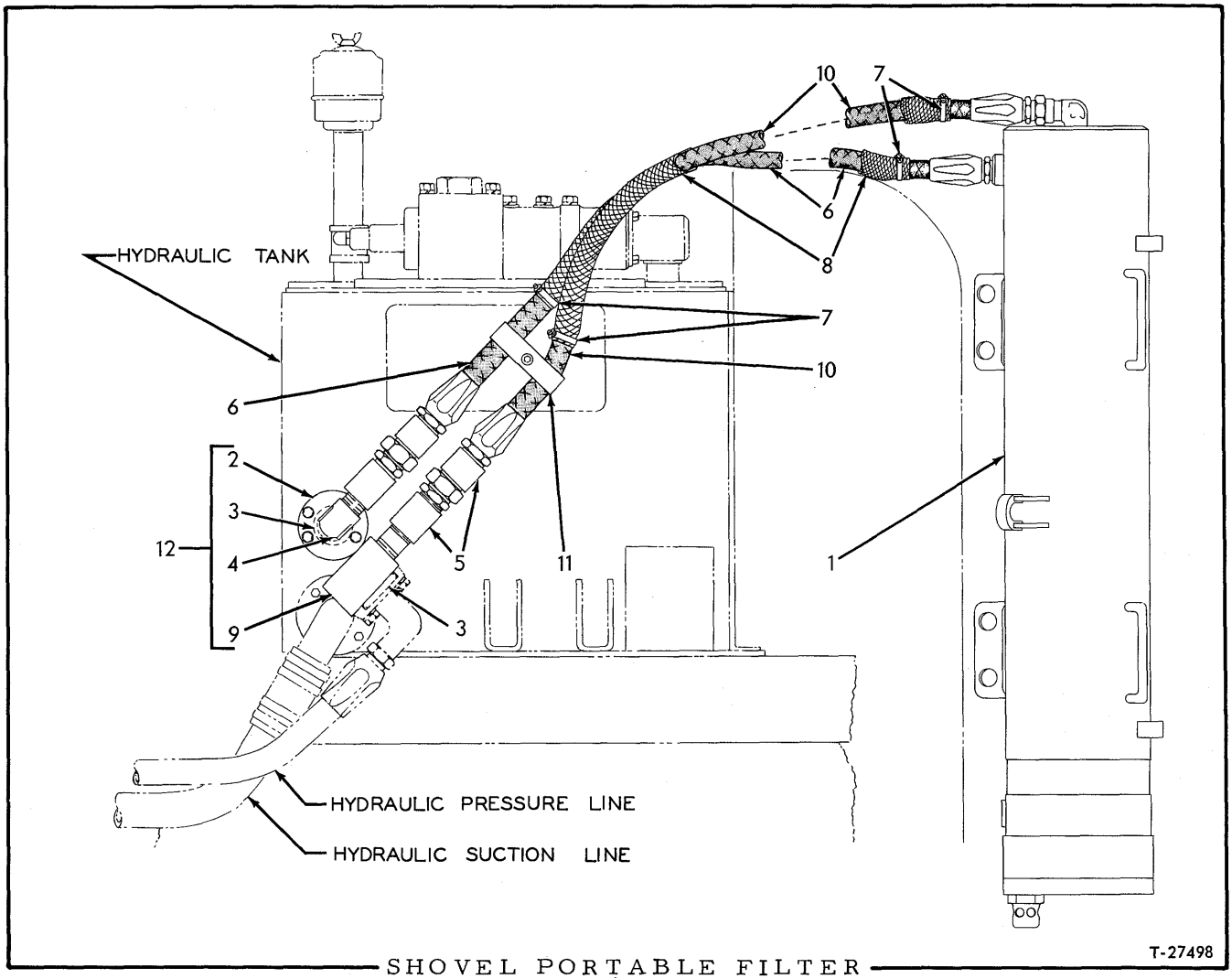
ITEM	PART NO.	QTY.	DESCRIPTION
1	70080258	1	ROCK FORK ASSEMBLY (Without tip back) (Includes items 2 thru 4)
	------	1	ROCK FORK ASSEMBLY (With tip back) (Includes items 2 thru 4) (Discontinued)
2	70627171	10	SHANK, tooth (Requires welding to install)
3	70627172	10	TOOTH ASSEMBLY, fork (Includes hardware indented below)
4	70627145	10	CAPSCREW
	70910916	10	LOCKWASHER, 1"
	70912908	10	NUT, 1"NC



STRAIGHT MOLDBOARD

USAGE: Special equipment

ITEM	PART NO.	QTY.	DESCRIPTION
1	70078300	1	MOLDBOARD ASSEMBLY (Includes items 2 thru 5)
2	70627196	1	EDGE, cutting
3	73009818	20	BOLT, plow, 3/4"NC x 3"
	70904369	20	LOCKWASHER, 3/4"
	70910923	20	NUT, 3/4"NC
4	70627197	1	BIT, end, left
	70627198	1	BIT, end, right
5	73009818	12	BOLT, plow, 3/4"NC x 3"
	70904369	12	LOCKWASHER, 3/4"
	70910923	12	NUT, 3/4"NF



SHOVEL PORTABLE FILTER

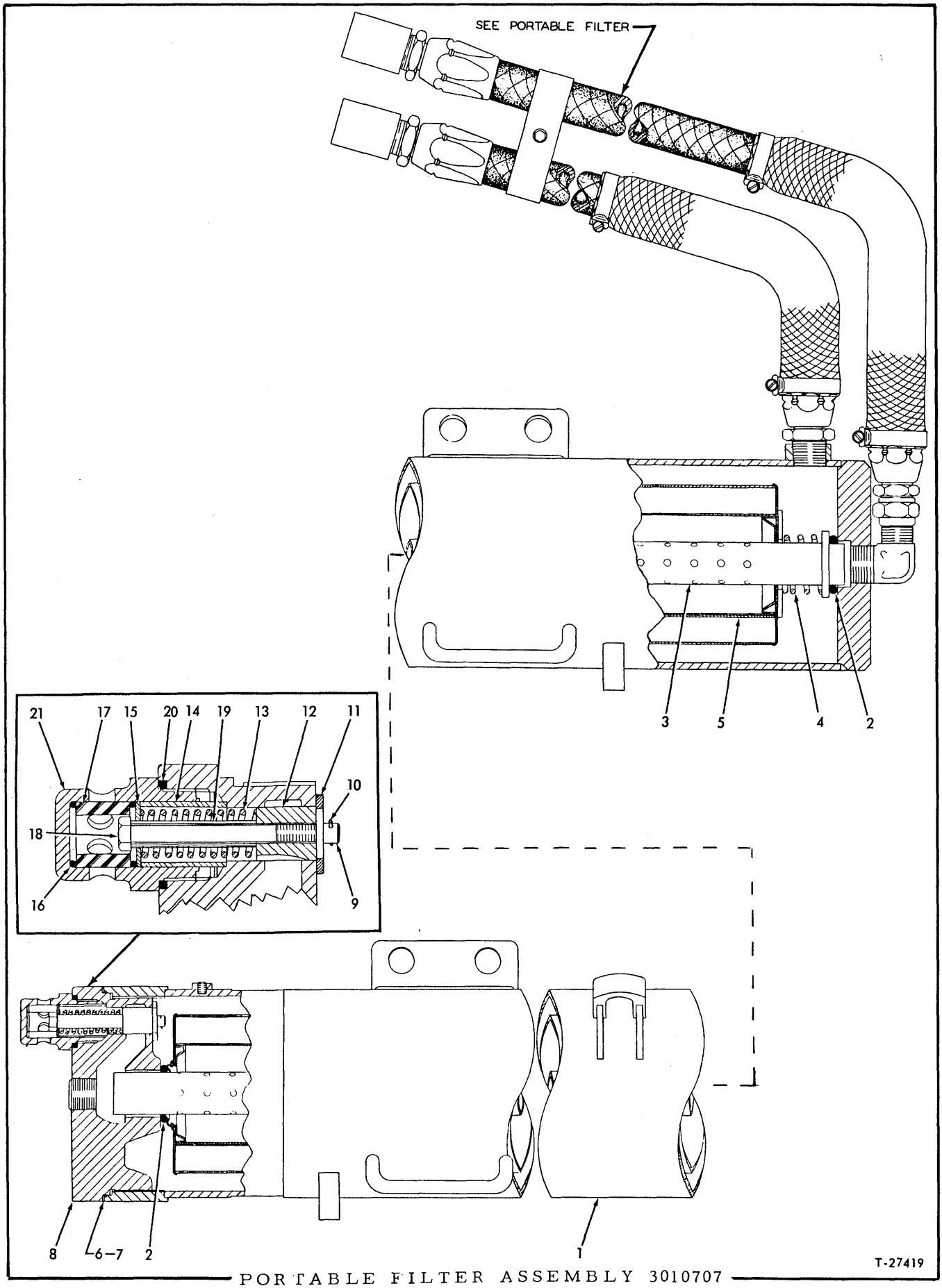
USAGE: Special equipment. For reconditioning hydraulic system fluid

ITEM	PART NO.	QTY.	DESCRIPTION	
1	73010707	1	FILTER ASSEMBLY, hydraulic oil (See page 667 for parts) (See item 13)	
2	73015613	1	ADAPTER, filter hose to hydraulic tank	See item 12
	70916028	4	CAPSCREW, 1/2"NF x 1-3/4"	
	70904208	4	LOCKWASHER, 1/2"	
3	70923578	2	O-RING, adapter	
4	73016294	1	ELBOW, adapter (90°)	
5	73004141	4	COUPLING, adapter to hose	See item 13
6	73010972	1	HOSE ASSEMBLY, filter to hydraulic tank (See HOSE PARTS) (Also includes items 7 and 8)	
7	70921913	4	CLAMP, hose, 1-13/16" to 2-3/4" diam.	

(Continued)

SHOVEL PORTABLE FILTER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
8	73011715	2	GUARD, hose protecting
9	73015614	1	ADAPTER, filter to pressure line } See item 12
	70901520	1	NIPPLE, pipe, 1"NPT x 1-1/2" } See item 12
10	73010979	1	HOSE ASSEMBLY, filter to pressure line (See HOSE PARTS) (Also includes items 7 and 8) } See item 13
11	73011114	2	CLAMP, hose } See item 13
	70916381	1	CAPSCREW, 3/8"NF x 3/4" } See item 13
	70904206	1	LOCKWASHER, 3/8" } See item 13
	70910123	1	NUT, 3/8"NF } See item 13
12	73017890	1	PIPING AND ADAPTER KIT (Consists of items 2 thru 4 and 9)
13	73012166	1	FILTER KIT, hydraulic system fluid (Consists of items 1, 5, 6, 10 and 11) (Not illustrated)

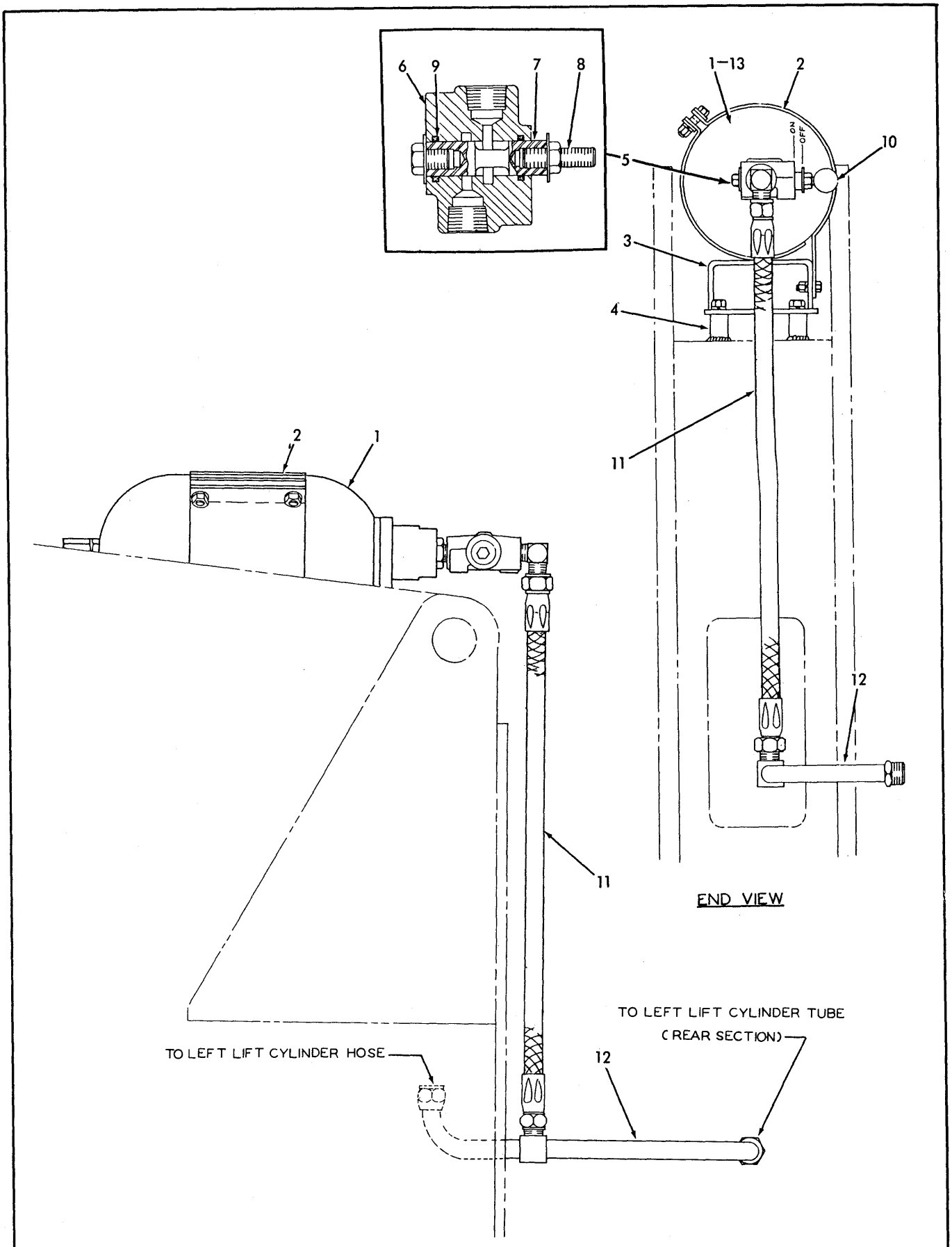


PORTABLE FILTER ASSEMBLY 3010707

PORTABLE FILTER ASSEMBLY 73010707

USAGE: See page 664

ITEM	PART NO.	QTY.	DESCRIPTION
1	73010707	1	CASE, filter
	70907859	1	PLUG, pipe, hex-socket, 1/4"NPT
	70920686	1	ELBOW, 90°, flare type, 1" tube, 1"NPT
2	70923826	2	O-RING, element tube
3	73011370	1	TUBE, element locating
4	73010706	1	SPRING, filter
	70900826	1	WASHER, plain, SAE std., 1-3/4"
5	73010360	5	ELEMENT, filter
6	70924166	1	O-RING, filter head (Also order 1 RING 73012554)
7	73012554	1	RING, back-up (Also order 1 O-RING 70924166)
8	73010529	1	HEAD, filter
	70909365	1	PLUG, pipe, hex-socket, 1"NPT
9	73002978	2	CAPSCREW, valve locating (5/16"NC x 3/4")
10	73001085	1	WIRE, locking, #16 x 17"
11	73010555	1	PLATE, retaining
12	73010712	1	PLUNGER, valve
13	73010713	1	SPRING, safety valve
14	73010540	1	BUSHING, valve
15	73010539	1	SPACER, valve bushing
16	70923578	2	O-RING, valve tube
17	73010645	1	TUBE (Lucite)
18	73015609	1	CAPSCREW, valve centering (3/8"NF x 3-1/4")
19	73010710	1	SPACER, plunger
20	70923577	1	O-RING, valve cap
21	73010586	1	CAP, valve

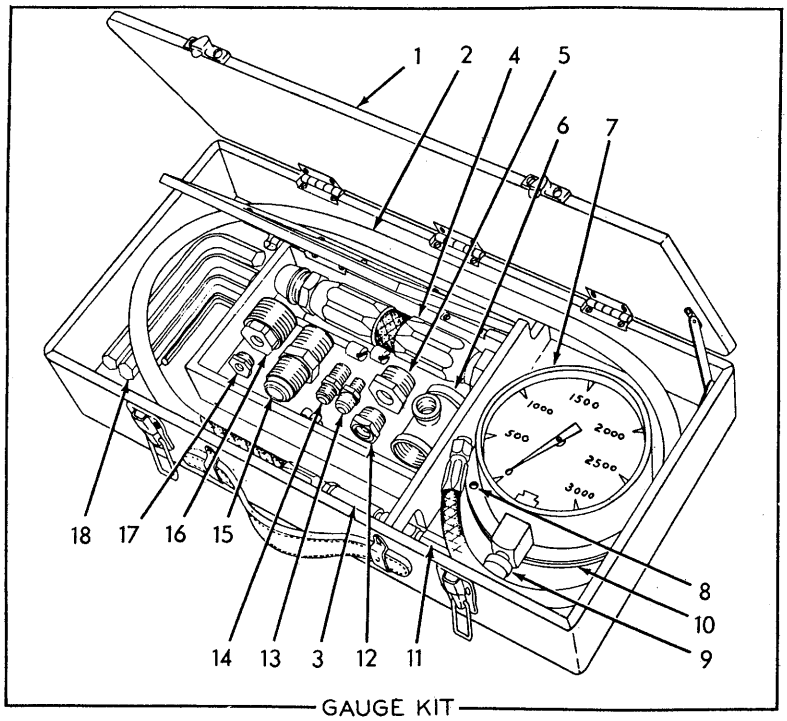


HYDRO-PNEUMATIC ACCUMULATOR

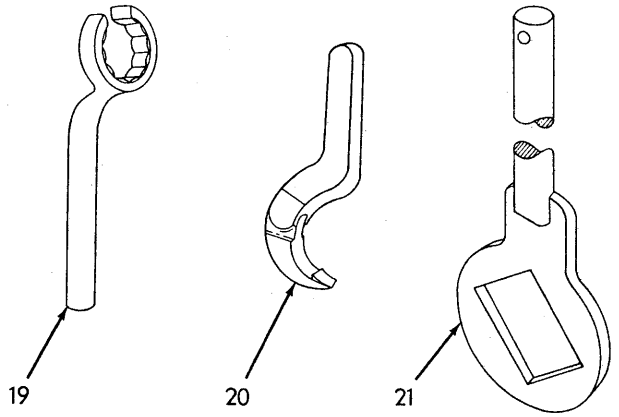
HYDRO-PNEUMATIC ACCUMULATOR

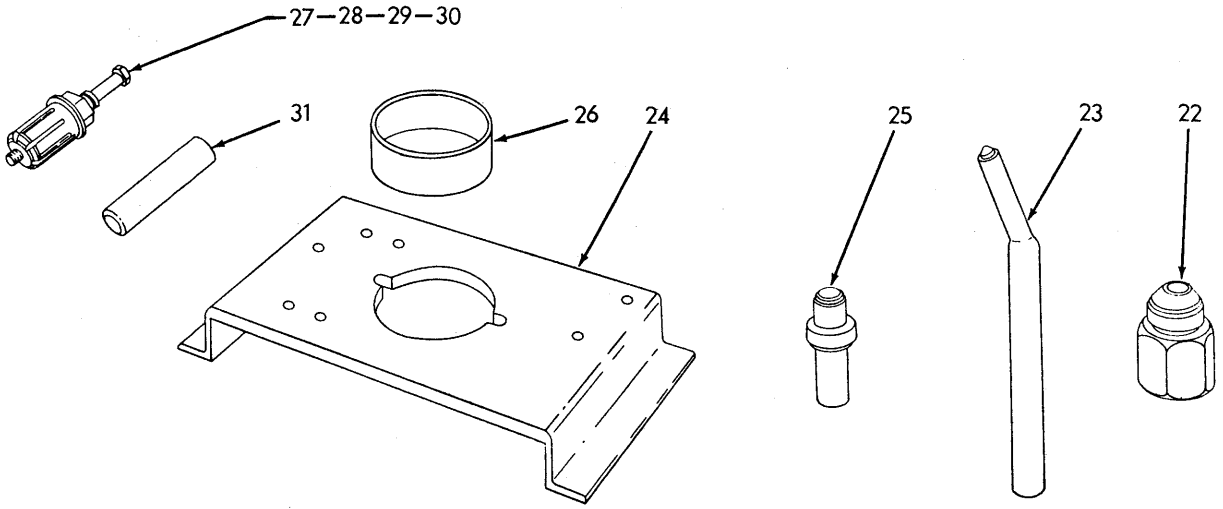
USAGE: Special equipment

ITEM	PART NO.	QTY.	DESCRIPTION
-	73019666	-	ACCUMULATOR KIT (Consists of items 1 thru 13)
1	73020107	1	ACCUMULATOR ASSEMBLY (Serviced only as a unit)
	70901849	1	BUSHING, pipe reducing, 2"NPT to 3/4"NPT
	70916632	1	NIPPLE, pipe, 3/4"NPT
2	73019750	1	PLATE, accumulator mounting
	70915228	2	CAPSCREW, 3/8"NF x 1-1/4"
	70916383	2	CAPSCREW, 3/8"NF x 1-1/2"
	70911115	4	WASHER, plain, SAE std., 3/8"
	70904206	4	LOCKWASHER, 3/8"
	70911041	4	NUT, 3/8"NF
3	73019755	1	BRACKET, mounting
	70913249	4	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	4	LOCKWASHER, 1/2"
4	70625429	4	BLOCK, bracket mounting (Requires welding to install)
5	73019649	1	VALVE ASSEMBLY, selector (Consists of items 6 thru 9)
6	------	1	HOUSING, valve (Not serviced separately)
7	------	1	PLUNGER, valve (Not serviced separately)
	70916419	1	CAPSCREW, 1/2"NF x 3/4"
	70910244	1	WASHER, plain, SAE std., 1/2"
8	73023433	1	STUD, valve plunger (1/2" diam.)
	70910244	1	WASHER, plain, SAE std., 1/2"
	70911043	1	NUT, 1/2"NF
9	73023434	2	RING, plunger sealing
10	70090020	1	KNOB, valve control
11	73017959	1	HOSE ASSEMBLY, valve to tube (See page 6 for parts)
	70919269	1	ELBOW, flare type, 3/4" tube, 3/4"NPT
12	73019665	1	TUBE ASSEMBLY (Includes nuts) (Replaces standard raise TUBE 73019417)
13	73024099	1	STICKER, instruction



GAUGE KIT





SHOVEL TOOLS

T-27445

SHOVEL TOOLS

ITEM	PART NO.	QTY.	DESCRIPTION
-	------	1	*GAUGE KIT, master (Consists of items 1 thru 18)
1	------	1	*CASE, wooden
2	------	1	*HOSE ASSEMBLY, gauge
3	70901764	1	COUPLING, pipe, 1/4"NPT
4	------	1	*HOSE ASSEMBLY
5	70901840	1	BUSHING, pipe reducing (3/4"NPT to 1/4"NPT)
6	------	1	*TEE, pipe (3/4"NPT ends x 1/4"NPT side)
7	------	1	*GAUGE, pressure (3000 PSI)
8	70902559	3	SCREW, wood, rd-hd., #6 x 1/2"
9	70901722	1	ELBOW, street, 90°, 1/4"NPT
10	------	1	*PAD, pressure gauge (rubber)
11	------	1	*SNUBBER, pressure (Includes piston)
12	70901839	1	BUSHING, pipe reducing, 1/2"NPT to 1/4"NPT
13	70910171	1	CONNECTOR, flare type, 5/16" tube, 1/8"NPT male
14	70911317	1	CONNECTOR, flare type, 5/16" tube, 1/4"NPT male
15	70920714	1	CONNECTOR, flare type, 3/4" tube, 3/4"NPT male
16	70904270	1	BUSHING, pipe reducing, 1"NPT to 1/4"NPT
17	70901826	1	BUSHING, pipe reducing, 3/8"NPT to 1/4"NPT
18	------	1	*WRENCH KIT, Allen
19	------	1	WRENCH, flare nut (1-1/2" spacing) (Order from Owatonna Tool Co., their no. CSO-48)
20	73012743	1	WRENCH, spanner (open end)
21	73008880	1	WRENCH, spanner (box end)
22	------	1	*TOOL, hose assembly, 1"
	------	1	*TOOL, hose assembly, 3/4" (SAE)
23	------	1	TOOL ASSEMBLY, tooth (Serviced only as a unit) (Order from Owatonna Tool Co., their no. AC-314)
24	------	1	*FIXTURE, pump
25	73015528	1	DRIVER, bearing installation
26	------	1	*RING, adapter, pump
27	------	1	*PULLER ASSEMBLY, bearing (Includes items 28 thru 30)
28	------	1	*BOLT, expander, bearing puller
	70913093	1	WASHER, plain
	70911051	1	NUT, jam, 1"NF
29	------	1	*SLEEVE, expander bolt
30	73008421	1	CAPSCREW, bearing puller (3/8"NF x 5")
31	------	1	*TOOL, spacer

*Parts indicated above have been discontinued

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70012389	621
70012453	529
70012453	526
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