

HD-6EP

crawler tractor

(Includes Dozers, TR6 Ripper
and Hydraulic Systems)

parts catalog

S/N 14484 - 22250
88Y22251 - UP

Form 70698279 English
(REPLACES 70626160)

WARNING

DO NOT OPERATE THIS MACHINE
WITHOUT FIRST READING
THE OPERATOR MANUAL

English

ADDITIONAL PUBLICATIONS AVAILABLE
FOR
MODEL HD-6EP CRAWLER TRACTOR
(See NOTE below)

<u>DESCRIPTION</u>	<u>SERIAL NO.</u>	<u>FORM NO.</u>			
		ENGLISH	ESPAÑOL (Spanish)	FRANÇAIS (French)	PORTUGUÊS (Portuguese)
<u>PARTS CATALOGS</u>					
HD6-EP All	70698279	_____	_____	_____	_____
Injection Pump. All	70696878	_____	_____	_____	_____
<u>OPERATORS MANUAL</u>					
HD6-EP All	70629196	70676790	_____	_____	_____
<u>SERVICE MANUALS</u>					
Dozer All	70644308	70647070	70647495	70671611	
Electrical System. All	70696657	_____	_____	_____	
Engine (6000 & 7000). All	70645120	70650407	70650409	70650408	
Final Drive. All	70686770	70656633	70656635	70656634	
Injection Nozzles & Holders . All	70682797	_____	_____	_____	
Injection Pump. All	70657398	_____	_____	_____	
Service Manuals, Complete . All	70689642	_____	_____	_____	
Steering Clutches & Brakes.. All	70690347	70656639	70656641	70656640	
Undercarriage. . . . S/N 16007- up	70645550	70650413	70650415	70650414	
Transmission, Bevel Gear, Drive Shaft U-Joint All	70638891	70645284	70645286	70645285	
Torque Converter. All	70644558	70647067	70647069	70647068	

NOTICE:

FOR ALL AVAILABLE PUBLICATIONS, SEE CONSTRUCTION
MACHINERY TECHNICAL PUBLICATIONS INDEX (FORM
70658800) AVAILABLE FREE FROM YOUR DEALER.

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 and not with Allis-Chalmers.

The right is reserved to change the construction or material of any parts where it seems desirable to do so without incurring the obligation of installing such changes on units already delivered.

(Specifications and design subject to change without notice)

MODEL IDENTIFICATION

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

MODEL SYMBOL	ENGINE MODEL	DESCRIPTION
HD-6EP	6000	Diesel engine driven crawler tractor with power shift transmission
6HS		DOZER: straight moldboard
6HA		DOZER: angling moldboard
* TR6 70624902		RIPPER: single cylinder. Includes drawbar (Prior to 9-14-62)
* TR6 70626272		RIPPER: single cylinder. Without drawbar (Prior to 9-14-62)
TR6 70627827		RIPPER: dual cylinders. Includes drawbar (Effective 9-14-62)
TR6 70626237		RIPPER: dual cylinders. Without drawbar (Effective 9-14-62)

* Indicates discontinued models

RECORD YOUR SERIAL NUMBERS BELOW

TRACTOR SERIAL NO. _____

ENGINE SERIAL NO. _____

DOZER SERIAL NO. _____

RIPPER SERIAL NO. _____

SERIAL NUMBER LOCATIONS

TRACTOR SERIAL NO. On steering clutch housing at the upper right hand corner of the rear face and vertically on the right side of the rear edge. 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.

DOZER SERIAL NO. On a small plate attached to the back of the upper right-hand corner.

RIPPER SERIAL NO. On a small plate attached to mounting frame.

MODEL SERIAL NUMBER

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

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

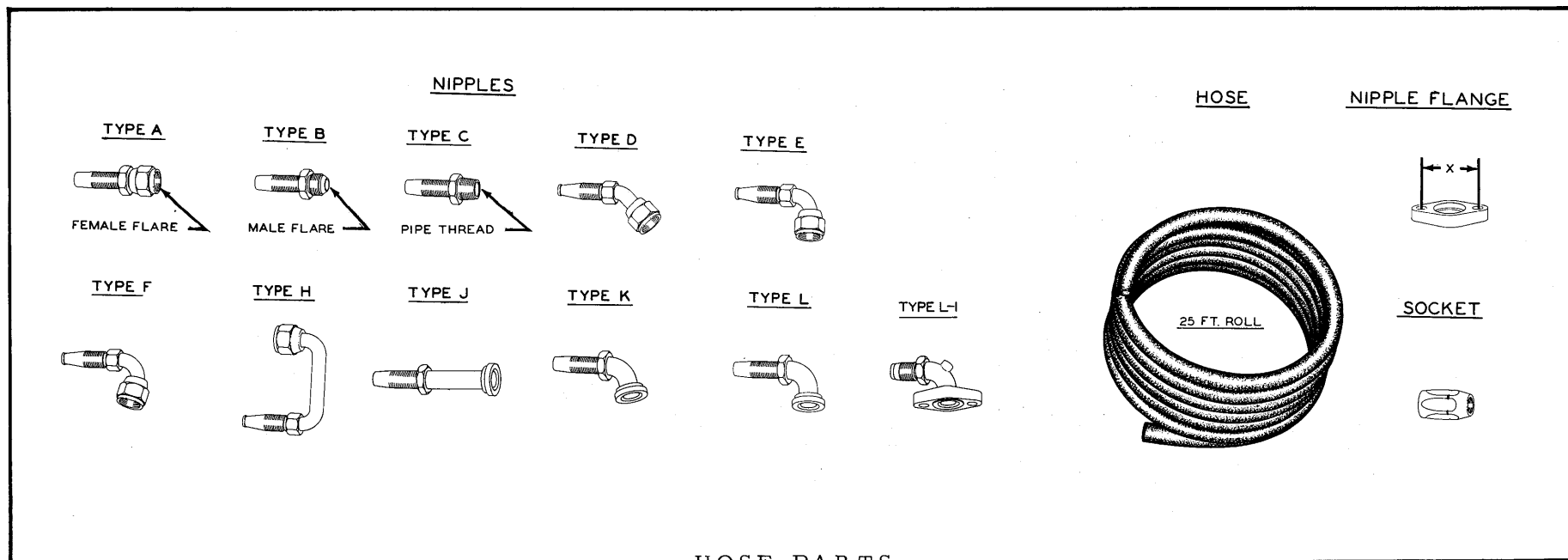
TRACTOR MODEL	*SERIAL NO.	
	PRODUCT CODE	UNIT NO.
HD6-EP	8 8 Y	2 2 2 5 1

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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	
	70920795	34-1/8"	70920928	70920970	C	70920928	70920970	C	70920973			70606312
	70920795	26-3/4"	70920928	70920970	C	70920928	70920970	C	70920973			70606865
	70920793	29-3/8"	70920926	70920968	C	70920926	70920968	C	70920971			70611504
	70920793	20-7/8"	70920926	70920968	C	70920926	70920968	C	70920971			70611722
70624914	70920221	28-3/4"	70920852	70920344	A	70920841	70919280	C	70919281			
70628129	70920222	20-1/4"	70921033	70921034	A	70920875	70920232	E	70919282			
70628131	70919155	14-5/8"	70920489	70920302	A	70920879	70919159	D	70919075			
70628140	70920221	27-1/8"	70920867	70919277	E	70920867	70919277	E	70919281			
70628186	70920222	45-3/4"	70921033	70921034	A	70920868	70920144	E	70919282			

	70920221	36-1/2"	70920852	70920344	A	70920852	70920344	A	70920867	70919277	F	70919281		70643953
	70920221	25-1/2"	70920852	70920344	A	70920867	70919277	F	70919281					70644003
	70919196	24-1/4"	70920847	70920301	A	70920847	70920301	A	70919143					70644328
	70919196	28-1/2"	70920862	70919194	F	70920862	70919194	F	70919143					70644329
	70919156	8-9/16"	70920880	70919254	D	70920865	70919081	F	70919076					70644394
	70919156	6-3/4"		70921710	D		70919175	F	70919076					70644395
	70919156	96	70920865	70919081	E ^{Short}	70920872	70919158	F ^{Long}	70919076					70644858
	70919156	117	70920865	70919081	F	70920865	70919081	F	70919076					70644859
	70919156	27-5/8"	70920865	70919081	F	70920886	70919913	H	70919076					70644860
	70919196	32-1/4"	70920847	70920301	A	70920847	70920301	A	70919143					70644880
70628434	70919196	40-1/2"	70920877	70919207	D	70920869	70919253	F	70919143					70644881
70628433	70919196	38	70920877	70919207	D	70920862	70919194	F	70919143					70644882
	70919155	69	70920849	70920302	A	70920864	70919082	F	70919075					70645088
	70920222	26-3/8"	70921033	70921034	A	70920875	70920232	F	70919282					70645438
	70919156	18	70920850	70920303	A	70920886	70919913	H	70919076					70646126
	70919155	18-3/4"	70920849	70920302	A	70920864	70919082	F	70919075					70646128
	70919196	76	70920877	70919207	D	70920862	70919194	F	70919143					70646131
	70920221	24-1/2"	70920852	70920344	A	70920882	70919278	D	70919281					70646132
	70920222	20-7/8"	70921033	70921034	A	70920798	70921495	D	70919282					70646137
	70920221	26-1/8"	70920882	70919278	D	70920867	70919277	F	70919281					70646139
	70919156	17-1/2"	70920850	70920303	A		70919175	F	70919076					70646144
	70920793	28-1/4"	70920942	70921562	A	70920951	70921563	F	70920971					70646201
	70920793	12	70920926	70920968	C		70920988	D	70920971					70646206
	70920793	12-1/2"	70920926	70920968	C		70920976	D	70920971					70646207
	70920222	26-3/8"	70920868	70920144	F		70920173	L	70919282	70919274	2-1/4			70646212
	70920793	16	70920942	70921562	A	70920951	70921563	F	70920971					70646221
	70919196	36	70920877	70919207	D	70920862	70919194	F	70919143					70646266
	70919196	30-7/8"	70920862	70919194	F	70920799	70919912	H	70919143					70646267
	70919156	30	70920880	70919254	D	70920865	70919081	F	70919076					70646313
	70919196	8-3/8"	70920877	70919207	D	70920877	70919207	D	70919143					70646323
	70919196	24-1/4"	70920847	70920301	A	70920877	70919207	D	70919143					70646324
	70919155	26-3/4"	70920864	70919082	F	70920864	70919082	E	70919075					70646342

	70919196	26-3/4"	70920877	70919207	D	70920877	70919207	D	70919143			70646842
70629155	70919156	52-1/2"	70920858	70919080	B	70920865	70919081	E	70919076			70646916
70629156	70919156	56-3/4"	70920850	70920303	A	70920865	70919081	E	70919076			70646917
70629158	70919155	59-3/4"	70920864	70919082	E	70920864	70919082	E	70919075			70646918
	70919196	13-1/8"	70920847	70920301	A	70920877	70919207	D	70919143			70647785
	70919196	58-3/8"	70920877	70919207	D	70920862	70919194	E	70919143			70648310
	70919156	75-1/4"	70920850	70920303	A	70920880	70919254	D	70919076			70648745
	70920222	23-1/8"	70921033	70921034	A	70921033	70921034	A	70919282			70648792
	70920221	7-5/8"	70920852	70920344	A	70920867	70919277	E	70919281			70648793
	70919196	33	70920877	70919207	D	70920877	70919207	D	70919143			70648894
	70920222	28		70920173	L	70648895	70919282	L-1	70919274	2-1/4		70648896
	70919196	39	70920862	70919194	E	70920862	70919194	E	70919143			70650283
	70920222	21-7/8"	70921033	70921034	A	70920868	70920144	E	70919282			70650468
	70919155	52-3/4"	70920849	70920302	A	70920864	70919082	E	70919075			70650862
	70919218	6-1/4"	70920880	70919254	D		70919175	F	70919076			70650987
	70919218	6-1/4"	70920880	70919254	D		70919175	F	70919076			70650988
	70920793	58-5/8"	70920942	70921562	A	70920942	70921562	A	70920971			70659800
	70920793	20-5/8"	70920942	70921562	A	70920942	70921562	A	70920971			70659801
	70920794	59-3/4"	70920744	70920978	A		70923186	E	70920972			70659802
	70920793	15-5/8"	70920942	70921562	A	70920942	70921562	A	70920971			70659803
	70920793	13-5/8"	70920942	70921562	A	70920961	70921302	K	70920971			70659804
	70920793	56-3/4"	70920951	70921563	E	70920951	70921563	E	70920971			70659805
	70920793	22-3/4"	70920942	70921562	A	70920942	70921562	A	70920971			70661198
	70920794	36-1/2"	70920744	70920978	A		70923186	E	70920972			70678638
	70920793	21-3/4"	70920951	70921563	E	70920942	70921562	A	70920971			70678642
73027812	70920221	30"	70920852	70920344	A	70920841	70919280	C	70919281			
74335583	70919196	10-1/8"	70920847	70920301	A	70920862	70919194	E	70919143			
74335898	70919155	19-1/2"	70920849	70920302	A	70920864	70919082	E	70919075			
74335931	70919196	7"	70920862	70919194	Short E	70920869	70919253	Long E	70919143			
74335935	70919155	15-1/2"	70920849	70920302	A	70920864	70919082	E	70919075			
74349776	70919155	7"	70920849	70920302	A	70920836	70919073	C	70919075			
74376906	70919196	16-3/8"	70920847	70920301	A	70920862	70919194	E	70919143			

PACKAGED PARTS

PACKAGE NO.

DESCRIPTION

CLUTCH KIT, over-running (See page 109)

74359403

GASKET KIT, cylinder head

4	70923574	O-RING, water by-pass tube
1	74300145	GASKET, water outlet elbow
2	74337769	GASKET, valve lifter cover
4	74359355	GASKET, muffler to cylinder head
4	74346138	GASKET, intake manifold
1	74348133	GASKET, breather tube
2	74349808	GASKET, water manifold
1	74349809	GASKET, thermostat housing
1	74349883	GASKET, cylinder head
1	74354113	GASKET, rocker cover
4	74378031	GASKET, injection nozzle holder

74349937

GASKET KIT, intermediate, engine cylinder block

1	70035249	GASKET, oil drain plug
1	70923589	O-RING, fan drive
1	70923815	O-RING, camshaft hole plug
2	74113897	GASKET, regulating valve nut
1	74335056	GASKET, water pump volute
1	74335712	GASKET, cover plate (Not used. Discard)
1	74336345	GASKET, timing gear housing cover (Not used. Discard)
1	74336897	RING, sealing, flywheel housing to crankcase
1	74346169	GASKET, oil pump discharge pipe
1	74346456	GASKET, water inlet pipe
1	74346744	GASKET, water pump
1	74347031	GASKET, water by-pass flange
1	74347120	GASKET, timing hole cover
1	74348126	GASKET
1	74348136	GASKET, timing gear housing
1	74348184	GASKET, oil cooler to block
1	74348185	GASKET, oil filter to block, upper
1	74348215	GASKET, oil pump discharge pipe
1	74348218	GASKET, oil pump suction line
1	74349954	GASKET, oil cooler to filter
1	74349956	GASKET, oil filter to block, lower
1	74349984	GASKET, oil cooler water connection (Not used. Discard)
1	74371289	GASKET, oil pan cover

74358751

PISTON AND SLEEVE KIT

2	74255465	RETAINER, piston pin
1	74358730	PISTON
1	74336578	RING SET
1	74337395	PIN, piston
1	74337971	SLEEVE, cylinder
2	74337972	O-RING, cylinder sleeve

RADIATOR MOUNTING KIT, resilient type (See RADIATOR)

RING KIT, transmission (See TRANSMISSION TOP SHAFT and TRANSMISSION BOTTOM SHAFT)

RING SET, piston (See PISTON AND CONNECTING ROD)

SEAL KIT (See FINAL DRIVE OUTBOARD BEARING AND SEAL)

SEAL KIT (See FINAL DRIVE SPROCKET, SHAFT AND GEAR)

SEAL KIT (See TRACK CARRIER ROLLER)

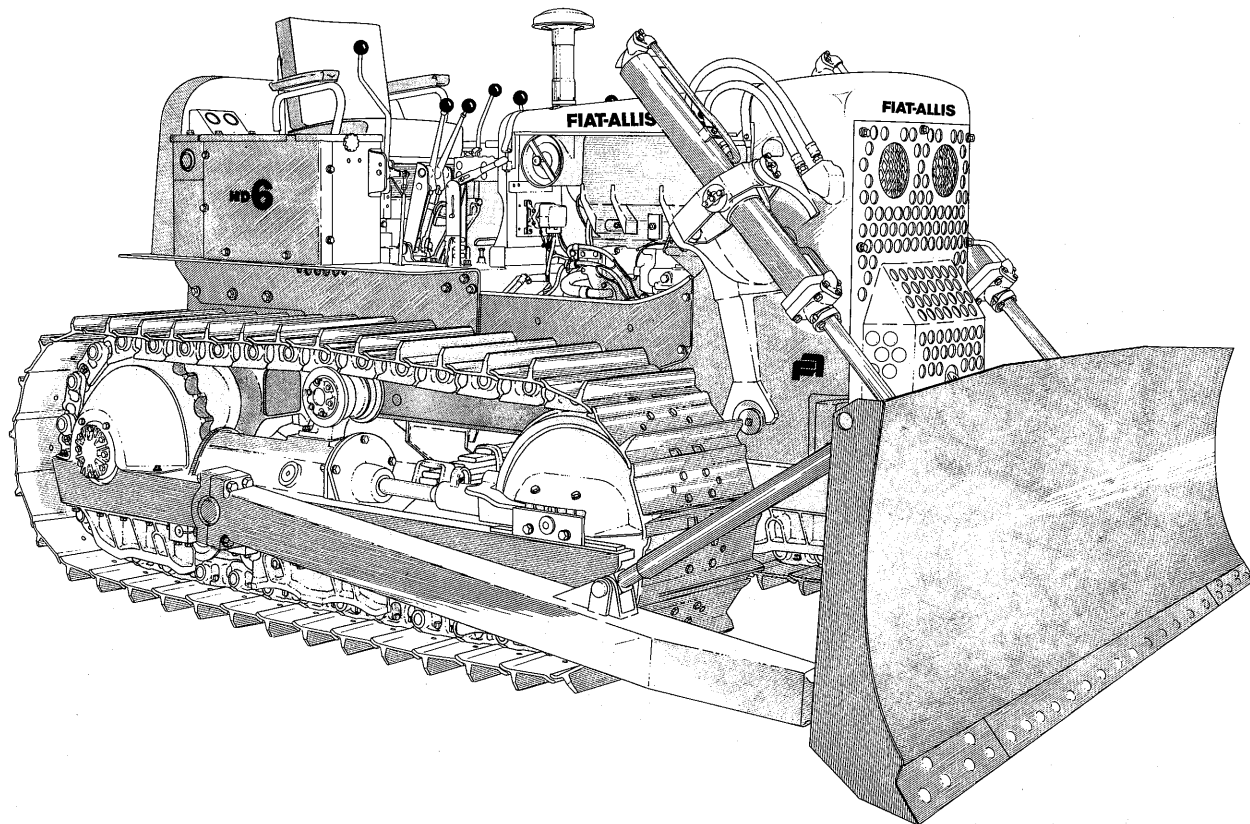
SEAL KIT (See TRACK IDLER)

SEAL KIT (See TRACK ROLLER)

SEAL KIT, transmission oil pump (See page 153)

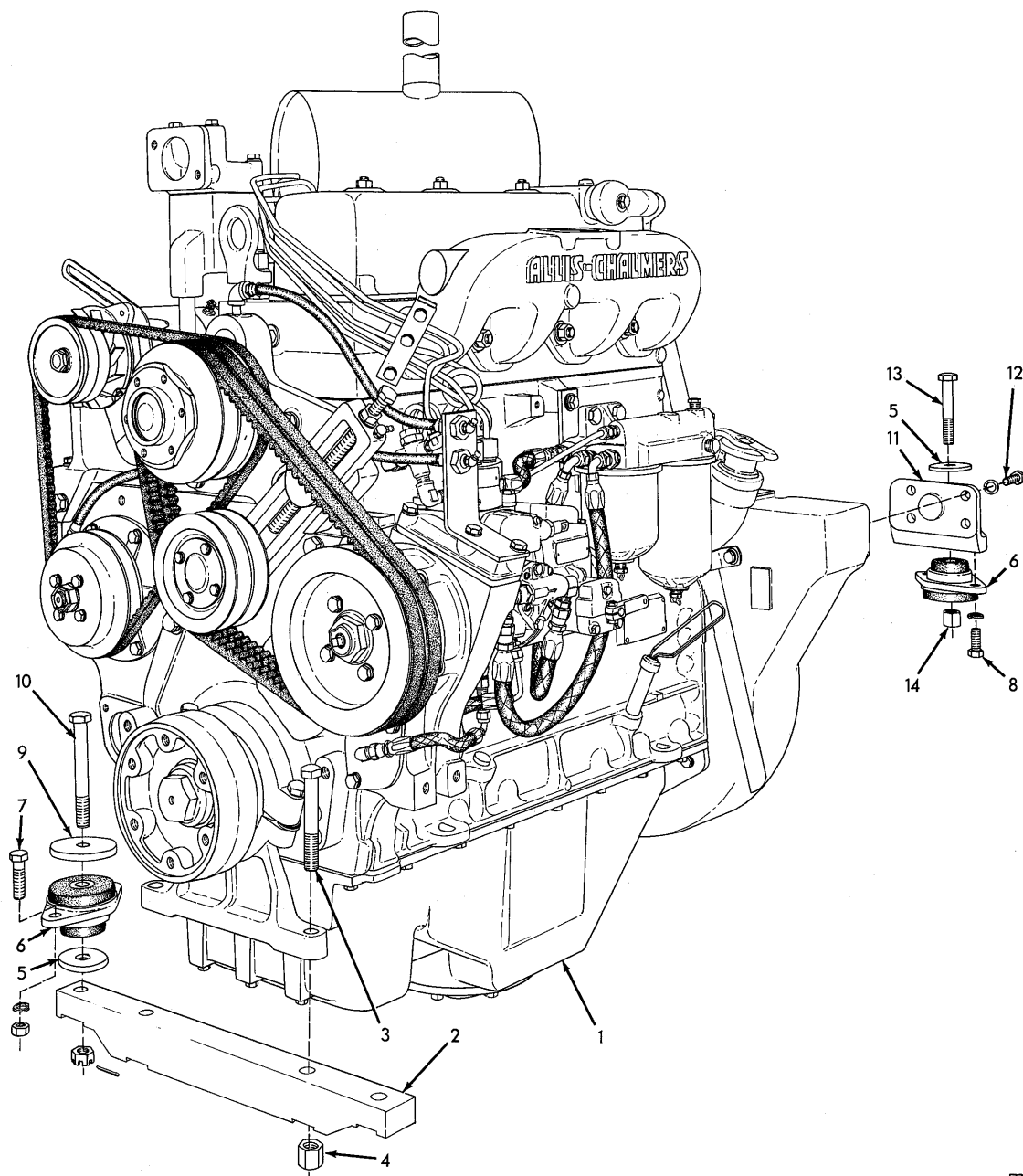
TRANSFER KIT (See PAINTING AND MARKING)

MEMO



HD-6EP CRAWLER TRACTOR (w/6HS DOZER)

T-73778



T-24196

ENGINE AND MOUNTING

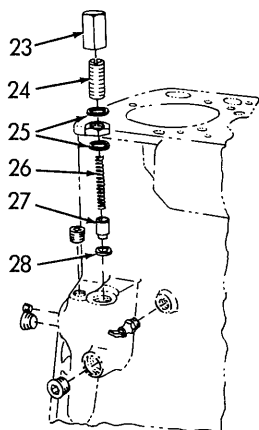
ITEM	PART NUMBER	QTY.	DESCRIPTION	PACKAGE NUMBER
1	74337481	1	ENGINE ASSEMBLY (Includes oil filter, oil cooler, fuel filter, muffler and generator. Does not include air cleaner, fan blade or starter. First stage fuel filter element is also omitted and must be added if tractor is not equipped with special Heavy-duty Fuel Filter)	
2	70087464	1	HANGER, engine supporting, front	
3	70928408	2	CAPSCREW, 5/8"NF x 4"	
4	70072366	2	NUT, high, 5/8"NF	

(Continued)

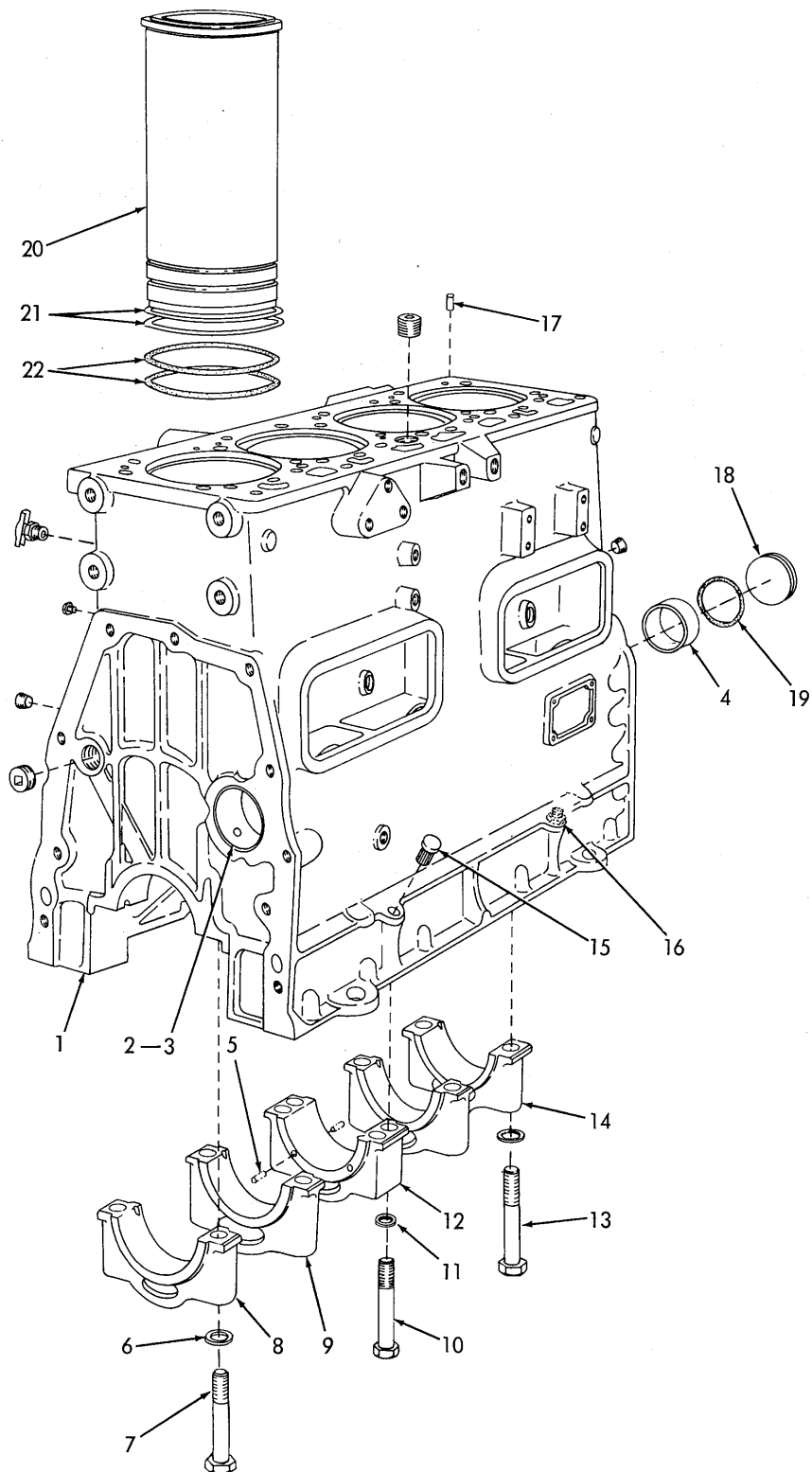
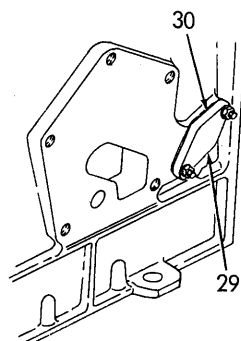
ENGINE AND MOUNTING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
5	70097283	4	WASHER, plain, shock mount
6	70097284	4	MOUNT, shock
7	70916313	4	CAPSCREW, 1/2"NC x 1-3/4" (front mounts)
8	70916311	4	CAPSCREW, 1/2"NC x 1-1/4" (rear mounts)
	70904208	8	LOCKWASHER, 1/2"
	70911028	4	NUT, 1/2"NC (front mounts only)
9	70096652	2	WASHER, plain, front shock mount
10	70091984	2	CAPSCREW, front mount
	70917362	2	NUT, thick, slotted, 5/8"NF
	70900808	2	PIN, cotter, 1/8" x 1-1/2"
11	70091080	2	BRACKET, rear mount
12	70915987	8	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	8	LOCKWASHER, 1/2"
13	70035541	2	CAPSCREW, rear mount (5/8"NF x 3-3/4")
14	70072366	2	NUT, high, 5/8"NF

OIL PRESSURE
REGULATING VALVE
(RIGHT SIDE)



OIL DRAIN
HOLE COVER
(RIGHT SIDE)



CYLINDER BLOCK

T-39328

CYLINDER BLOCK

ITEM	PART NO.	QTY.	DESCRIPTION
1	74338682	1	BLOCK ASSEMBLY (Includes items 2 thru 17, 28 thru 30 and hardware indented below)
	70919134	2	PLUG, pipe, hex-hd., 1/8"NPT
	70920333	1	PLUG, pipe, hex-hd., 3/8"NPT
	70918887	1	PLUG, pipe, hex-socket, 3/8"NPT
	70917970	1	PLUG, pipe, hex-socket, 1/2"NPT
	70904223	2	PLUG, pipe, ctsk-hd., 1/2"NPT
	70904224	1	PLUG, pipe, ctsk-hd., 3/4"NPT
	70912415	1	COCK, drain, 1/4"NPT
2	{ 74346100	1	BEARING, camshaft, front (standard size)
	{ 74347416	1	BEARING, camshaft, front (.010" undersize)
3	{ 74346099	2	BEARING, camshaft, intermediate (standard size)
	{ 74347419	2	BEARING, camshaft, intermediate (.010" undersize)
4	{ 74346108	1	BEARING, camshaft, rear (standard size)
	{ 74347413	1	BEARING, camshaft, rear (.010" undersize)
5	-----	4	PIN, center main bearing cap (See CRANKSHAFT)
6	74354175	8	WASHER, main bearing capscrew
7	{ -----	2	STUD, front main bearing cap (Used prior to engine #6-20262. Order CAPSCREW 74339037)
	{ 74346191	2	NUT, 3/4"NF
	{ 74339037	2	CAPSCREW, front main bearing cap (3/4"NC x 3-15/16")
8	74349630	1	CAP, front main bearing (See NOTE below)
9	74349632	2	CAP, intermediate main bearing (See NOTE below)
10	{ -----	4	STUD, center main bearing cap (Used prior to engine #6-20262. Order CAPSCREW 74339038)
	{ 74346322	4	NUT, 5/8"NF
	{ 74339038	4	CAPSCREW, center main bearing cap (5/8"NC x 3-13/16")
11	74389910	4	WASHER, center main bearing capscrew
12	74349629	1	CAP, center main bearing (See NOTE below)
13	{ -----	6	STUD, rear and intermediate main bearing cap (Used prior to engine #6-20262. Order CAPSCREW 74339036)
	{ 74346191	6	NUT, 3/4"NF
	{ 74339036	6	CAPSCREW, rear and intermediate main bearing cap (3/4"NC x 4-5/16")
14	74349631	1	CAP, rear main bearing (See NOTE below)
15	74362338	1	PLUG, crankcase
16	-----	1	ADAPTOR (See ENGINE OIL LEVEL GAUGE)
17	74336432	2	PIN, dowel, cylinder head

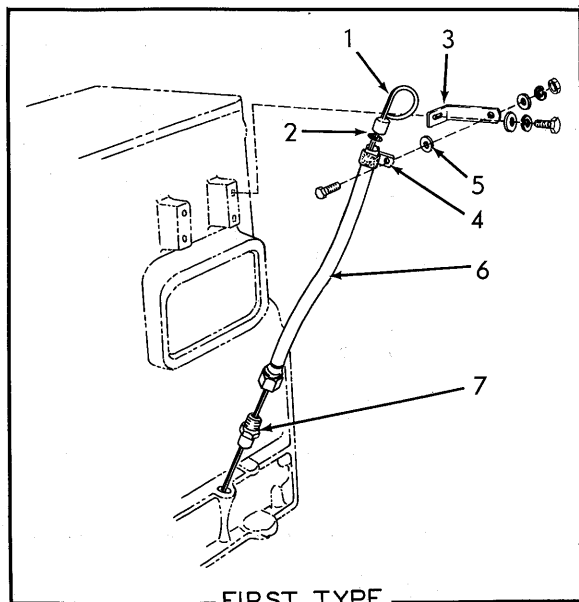
NOTE: Replacement bearing caps are semi-finished and must be line-bored after installing

(Continued)

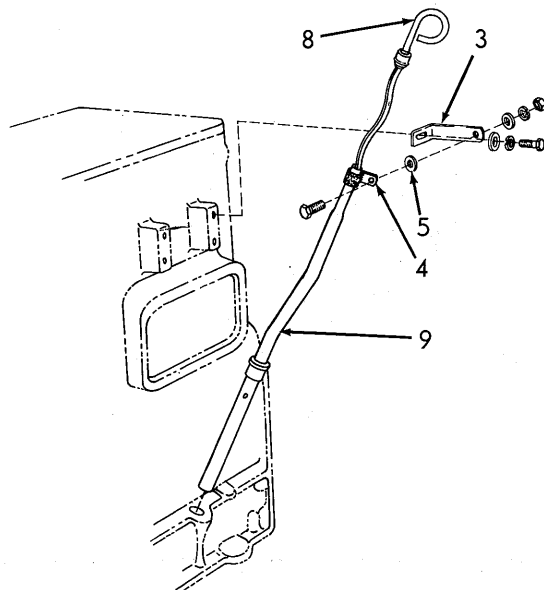
CYLINDER BLOCK (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
18	74335534	1	PLUG, camshaft hole
19	70923815	1	□O-RING, camshaft hole plug
20	74337971	4	□SLEEVE, cylinder (If for engines prior to #6-15242 also order O-RING 4337972)
21	74348857	-	SHIM, cylinder sleeve (.005" thick)
	74348856	-	SHIM, cylinder sleeve (.008" thick)
	74348859	-	SHIM, cylinder sleeve (.010" thick)
	74348858	-	SHIM, cylinder sleeve (.015" thick)
	74348900	-	SHIM, cylinder sleeve (.020" thick)
22	74346184	8	O-RING, cylinder sleeve (black)(Used prior to engine #6-15242)
	74337972	8	□O-RING, cylinder sleeve (red)(Effective with engine #6-15242)
23	-----	1	NUT, cap, oil pressure regulating valve (Used prior to engine #6-21077. Order item 24)
24	74389058	1	SCREW, oil pressure regulating valve
	70910847	1	NUT, jam, 3/4"NF
25	74113897	2	□GASKET, regulating valve nut (Used prior to engine #6-21077)
26	74660358	1	SPRING, oil pressure regulating valve
27	74500230	1	PISTON, oil pressure regulating valve
28	74347465	1	INSERT, oil pressure regulating valve seat
29	74313015	1	PLATE, cover, oil drain hole
	74337224	2	STUD
	70910123	2	NUT, 3/8"NF
	70904206	2	LOCKWASHER, 3/8"
30	74362458	1	GASKET, oil drain hole cover

Use as required when
block is remachined to
correct sinking of sleeve



FIRST TYPE



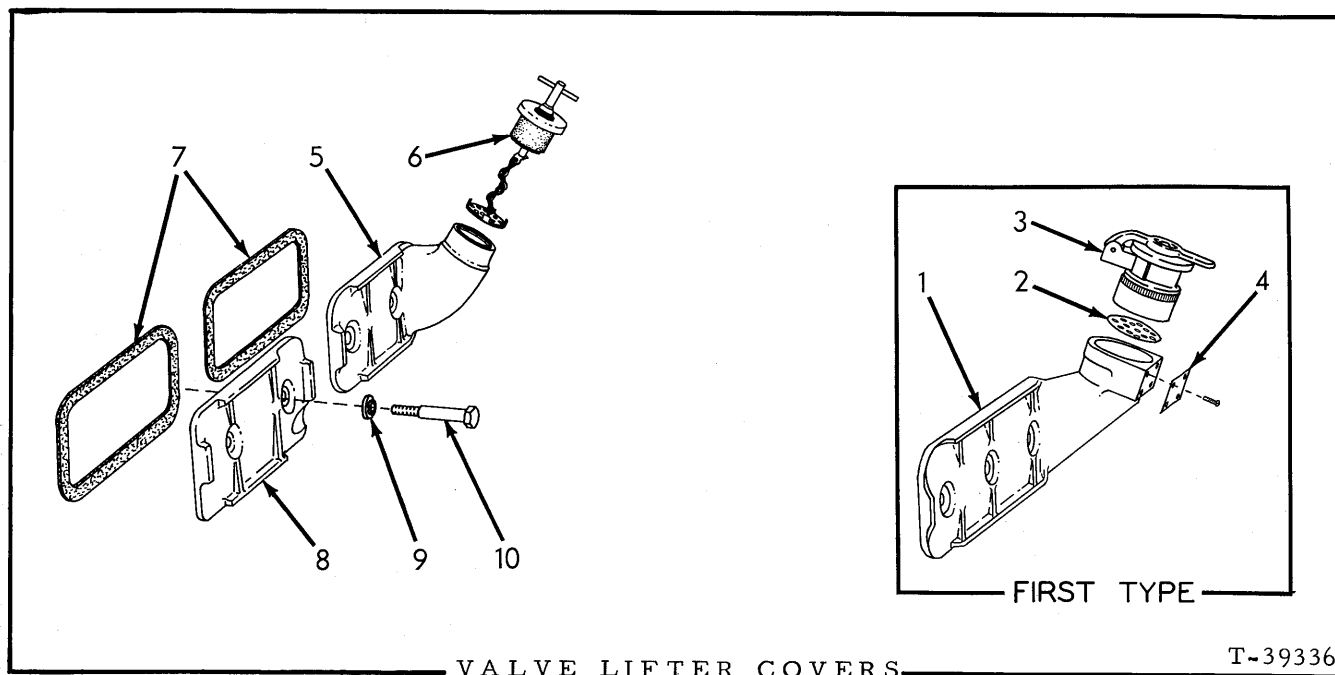
ENGINE OIL LEVEL GAUGE

T-39325

* Engines prior to serial No. 6-25028

** Engines serial No. 6-25028 and up

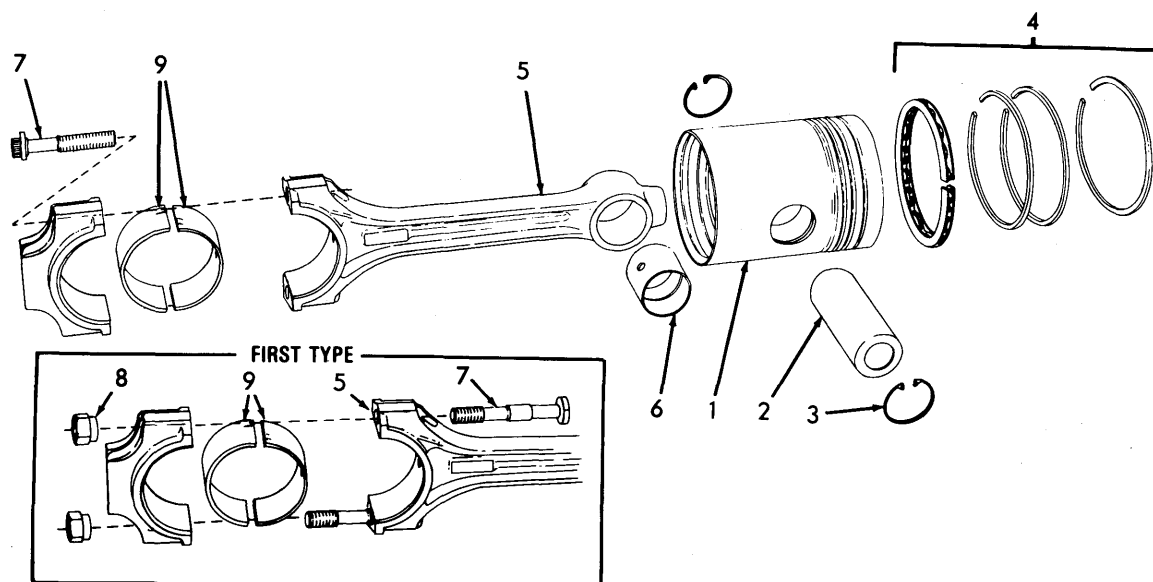
ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	74349941	1	-	GAUGE ASSEMBLY (Includes item 2)
2	74506607	1	-	SEAL, oil level gauge
3	74354486	1	1	BRACKET, supporting, gauge tube
	70915813	1	1	CAPSCREW, 5/16"NC x 7/8"
	70904205	1	1	LOCKWASHER, 5/16"
	70911422	1	1	WASHER, plain
4	70918941	1	-	CLIP, gauge tube (1/2" diam.)
	70920504	-	1	CLIP, gauge tube (3/8" diam.)
	70915228	1	1	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	1	1	LOCKWASHER, 3/8"
	70911041	1	1	NUT, 3/8"NF
5	74364079	2	2	WASHER, plain
6	74349938	1	-	TUBE ASSEMBLY, gauge (Includes nut)
7	74349939	1	-	ADAPTER, gauge
8	74354936	-	1	GAUGE
9	74354935	-	1	ADAPTER, gauge



* Engines prior to serial No. 6-20702

** Engines serial No. 6-20702 and up

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	-----	1	-	COVER, rear (Order items 5 and 6)
2	74335022	1	-	STRAINER, oil filler
3	74366461	1	-	CAP ASSEMBLY, oil filler (Serviced only as a unit)
4	74379141	1	-	PLATE, oil data
	70904516	4	-	SCREW, drive, #6 x 1/4"
5	74338675	-	1	COVER, rear
6	74354449	-	1	CLOSURE ASSEMBLY, oil filler (Serviced only as a unit)
7	74337769	2	2	□ GASKET, valve lifter cover
8	74348912	1	1	COVER, front
9	74335456	4	4	WASHER, sealing, cover attaching bolt
10	74335455	4	4	BOLT, cover attaching

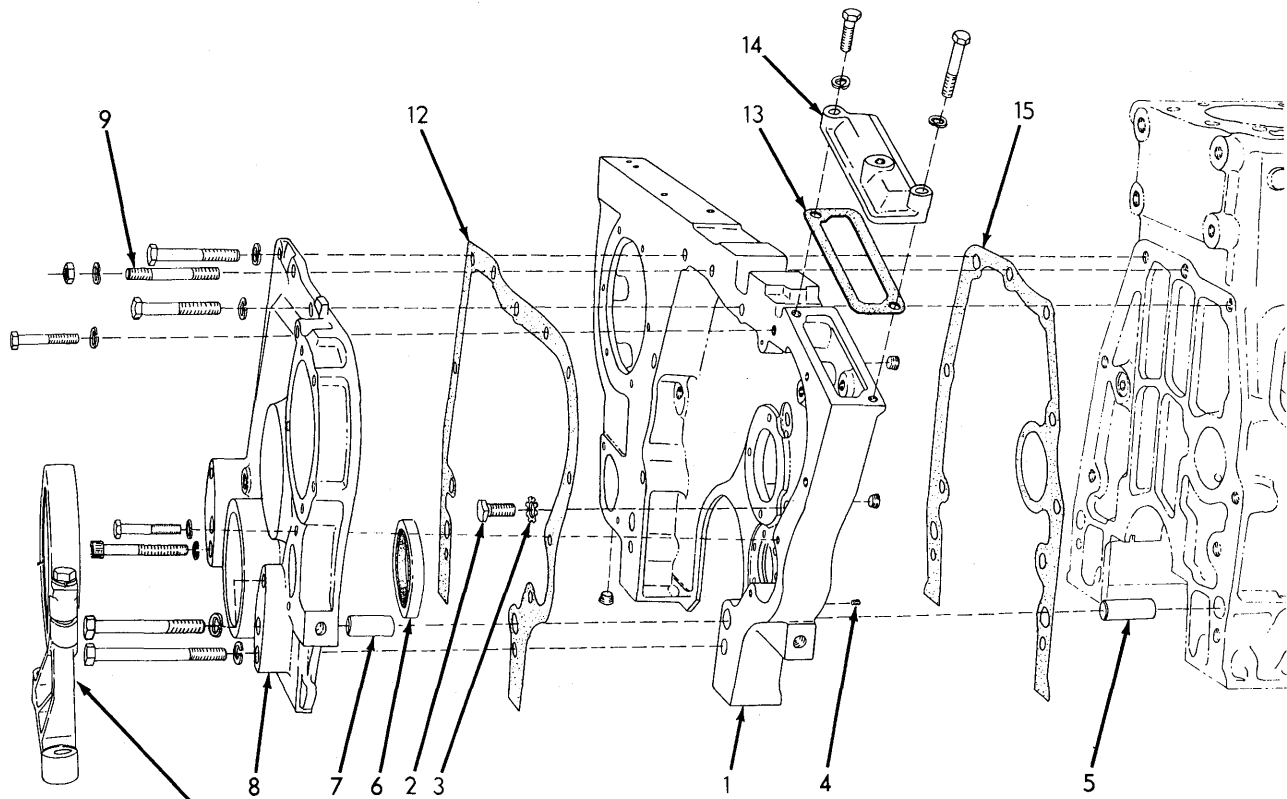


PISTON AND CONNECTING ROD

T-24197

ITEM PART NO. QTY. DESCRIPTION

1	74336512	4	□ PISTON
2	74337395	4	□ PIN, piston
3	74255465-	8	□ RETAINER, piston pin
4	74336578	4	□ RING SET
5	74354788	4	ROD ASSY., connecting (Includes items 6 thru 8)(Engines prior to #6-26644)
	74359220	4	ROD ASSY., connecting (Includes items 6 and 7)(Engines #6-26644 and up)
6	74339017	4	BUSHING, connecting rod
7	74354179	8	BOLT, connecting rod (Engines prior to #6-24154)
	74354787	8	BOLT, connecting rod (Engines #6-24154 thru #6-26643)
	74359222	8	CAPSCREW, connecting rod (Engines #6-26644 and up)
8	74354748	8	NUT, connecting rod bolt (Engines prior to #6-26644)
9	74337701	8	BEARING, connecting rod (standard size)
	74337702	8	BEARING, connecting rod (.010" undersize)
	74337703	8	BEARING, connecting rod (.020" undersize)
	74337704	8	BEARING, connecting rod (.030" undersize)
	74337705	8	BEARING, connecting rod (.040" undersize)

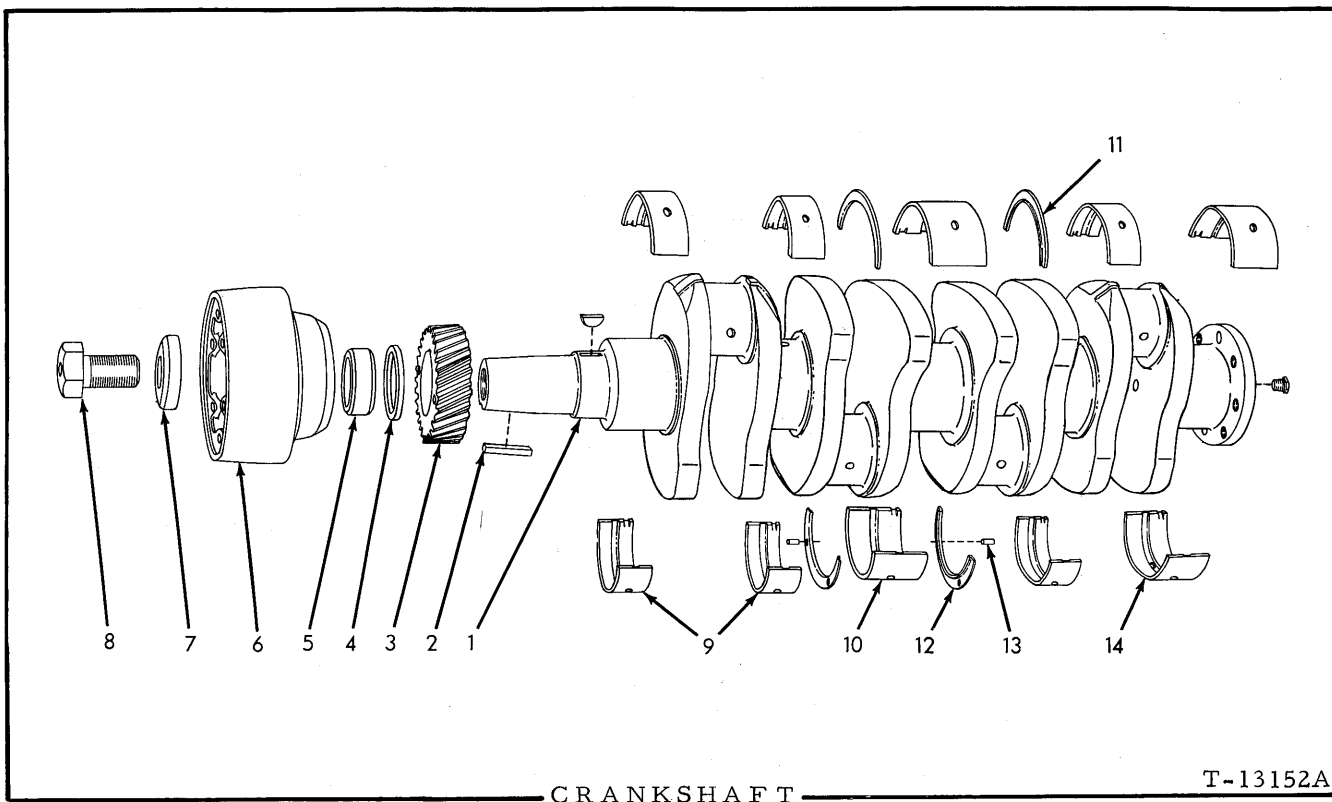


TIMING GEAR HOUSING

T-32150

TIMING GEAR HOUSING

ITEM	PART NO.	QTY.	DESCRIPTION
1	74337228	1	HOUSING
	70907856	1	PLUG, pipe, hex-socket, 3/8"NPT
	70917970	2	PLUG, pipe, hex-socket, 1/2"NPT
2	74004054	3	CAPSCREW, 1/2"NC x 1-1/16"
3	74253490	3	LOCKWASHER
4	70621457	3	SETSCREW, plugging (5/16"NC x 3/8", hex-socket, Nylok)
5	74346246	2	PIN, dowel, timing gear housing
6	-----	1	SEAL, oil, crankshaft (2-1/2" I. D.)(Used prior to engine #6-15445. Order SEAL 74028922)
	74028922	1	SEAL, oil, crankshaft (2-7/32" I. D.)(Effective with engine #6-15445. Operates directly off the crankshaft and eliminates the need for SPACER 74374391 and SLEEVE 74374390)
7	74348107	2	PIN, dowel, timing gear cover
8	74337281	1	COVER ASSY., timing gear housing (Includes item 7)
	70915969	3	CAPSCREW, 1/2"NC x 3"
	70916319	1	CAPSCREW, 1/2"NC x 3-1/2"
	70921299	1	CAPSCREW, hex-socket-hd., 1/2"NC x 4"
	70919232	1	CAPSCREW, 1/2"NC x 4-3/4"
	70919287	3	CAPSCREW, 3/8"NC x 1-7/8"
	70916274	2	CAPSCREW, 3/8"NC x 2-1/4"
	70904208	6	LOCKWASHER, 1/2"
	70904206	5	LOCKWASHER, 3/8"
9	74335371	1	STUD, timing gear housing
	70904208	1	LOCKWASHER, 1/2"
	70910195	1	NUT, 1/2"NF
10	74335067	1	BRACKET, engine mounting (Includes cap)
	70916009	10	WASHER, shimming (1/32" thick)
	74254891	2	CAPSCREW, 1/2"NC x 2-1/2"
	74335550	2	LOCKWASHER
11	74336491	2	LINER, engine mounting bracket
12	74348126	1	□GASKET, timing gear housing cover
13	74347120	1	□GASKET, timing hole cover
14	74336524	1	COVER, fuel pump timing hole
	70919225	1	CAPSCREW, 3/8"NC x 1-3/8"
	70919287	1	CAPSCREW, 3/8"NC x 1-7/8"
	70904206	2	LOCKWASHER, 3/8"
15	74348136	1	□GASKET, timing gear housing

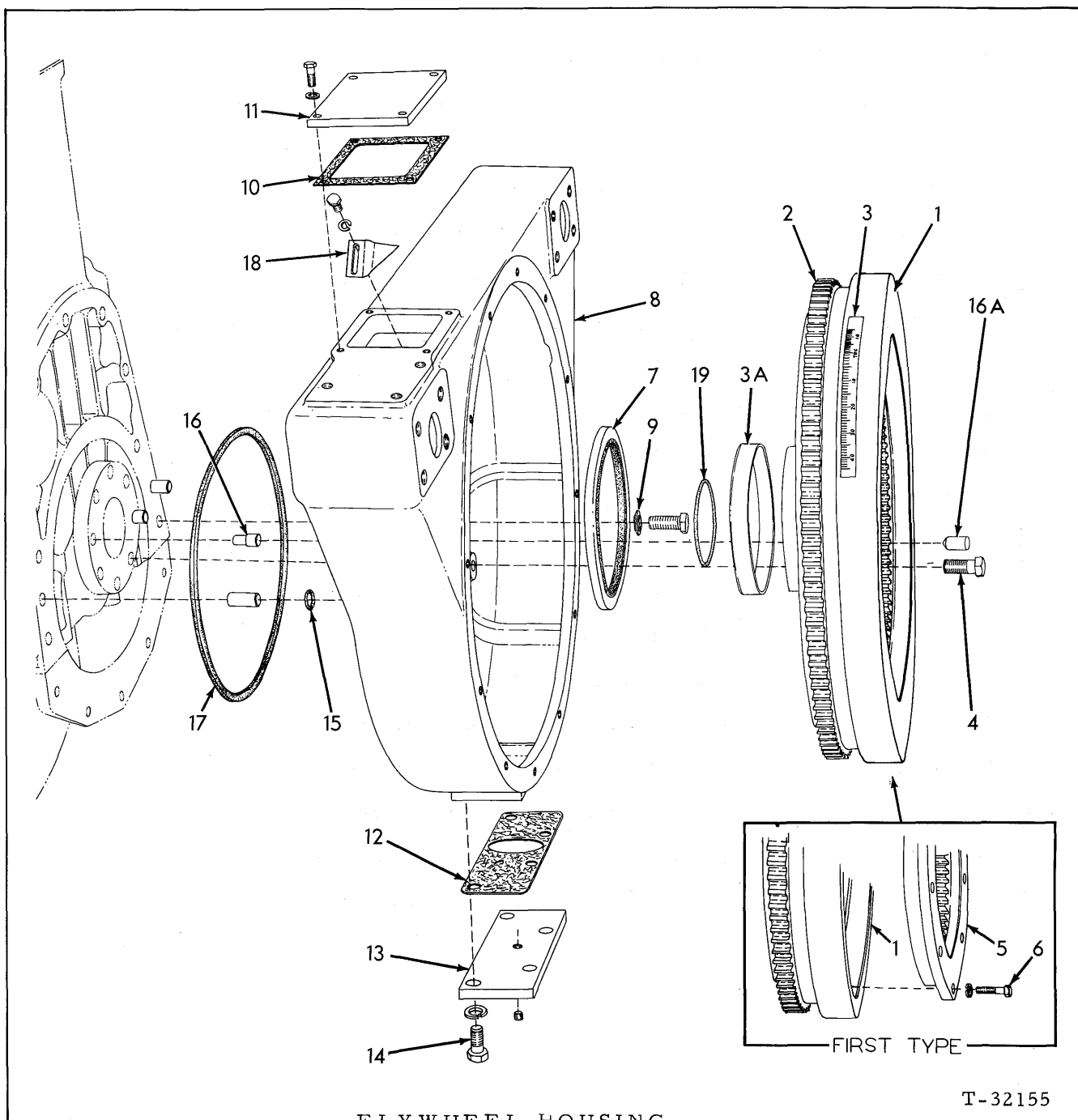


ITEM	PART NO.	QTY.	DESCRIPTION
1	74357331 70919840	1 1	CRANKSHAFT ASSEMBLY (Includes PLUG indented below) PLUG, pipe, hex-head, 1/4"NPT
2	74003490	1	KEY, cranksahft pulley
3	74346205	1	GEAR, crankshaft (Used prior to engine #6-14912)
	74359278	1	GEAR, crankshaft (hardened)(Effective with engine #6-14912)
	70905127	1	KEY, "B" woodruff, 5/16" x 1"
4	74374391	1	SPACER, front oil seal sleeve (Used prior to engine #6-15445)
5	74374390	1	SLEEVE, front oil seal (Used prior to engine #6-15445)
6	74349683	1	HUB, power take-off
7	74371503	1	WASHER, crankshaft pulley bolt
8	74390838	1	CAPSCREW, crankshaft pulley
9	74337710	6	BEARING, front and intermediate main (standard size)
	74337711	6	BEARING, front and intermediate main (.010" undersize)
	74337712	6	BEARING, front and intermediate main (.020" undersize)
	74337713	6	BEARING, front and intermediate main (.030" undersize)
	74337714	6	BEARING, front and intermediate main (.040" undersize)

(Continued)

CRANKSHAFT (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
10	74348991	2	BEARING, center main (standard size)
	74348992	2	BEARING, center main (.010" undersize)
	74348993	2	BEARING, center main (.020" undersize)
	74348994	2	BEARING, center main (.030" undersize)
	74348995	2	BEARING, center main (.040" undersize)
11	74337683	2	FLANGE, thrust, center main, upper (standard size)
	74337684	2	FLANGE, thrust, center main, upper (.005" oversize)
	74337685	2	FLANGE, thrust, center main, upper (.010" oversize)
	74337686	2	FLANGE, thrust, center main, upper (.015" oversize)
12	74337687	2	FLANGE, thrust, center main, lower (standard size)
	74337688	2	FLANGE, thrust, center main, lower (.005" oversize)
	74337689	2	FLANGE, thrust, center main, lower (.010" oversize)
	74337690	2	FLANGE, thrust, center main, lower (.015" oversize)
13	74250898	4	PIN, dowel, thrust flange
14	74337698	2	BEARING, rear main (standard size)
	74337699	2	BEARING, rear main (.010" undersize)
	74337700	2	BEARING, rear main (.020" undersize)
	74337715	2	BEARING, rear main (.030" undersize)
	74337716	2	BEARING, rear main (.040" undersize)



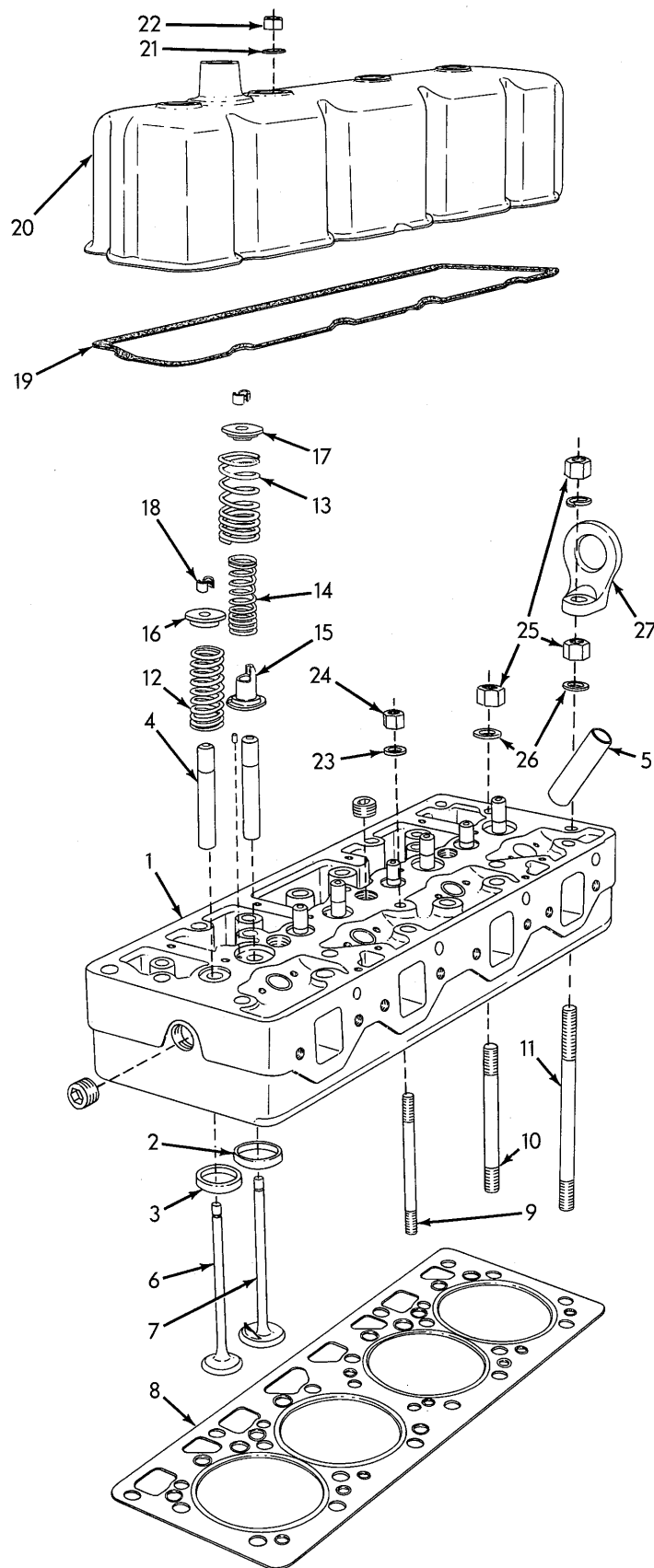
ITEM	PART NO.	QTY.	DESCRIPTION
1	74338497	1	FLYWHEEL ASSY. (Includes item 2)(Used prior to engine #6-21922)
	74357437	1	FLYWHEEL ASSY. (Includes item 2)(Effective with engine #6-21922)
2	74304907	1	GEAR, ring
3	74336621	1	STRIP, timing marks (Used prior to engine #6-16565)
3A	74029556	1	SLEEVE KIT, wear (Engine #6-25207 thru #6-25716; also #6-26445 and up)

(Continued)

FLYWHEEL AND HOUSING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
4	74359806	6	BOLT, flywheel
5	70624459	1	RING, adapting (Used prior to engine #6-21922)
6	70013058	12	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	12	LOCKWASHER, 3/8"
7	74029500	1	SEAL KIT, oil, crankshaft rear end (If for engines prior to #6-25207 or for engines #6-25717 thru #6-26444 also order 1 WEAR SLEEVE KIT 74029556)
8	74359956	1	HOUSING, flywheel
	70917021	2	PIN, dowel, 1/2" x 1"
	74752075	9	BOLT, self-locking, 1/2"NC x 1-1/4"
9	74376749	9	WASHER, sealing (Used prior to engine #6-25146)
10	74336676	1	GASKET, timing hole cover
11	74336634	1	COVER, flywheel housing timing hole
	70915343	4	CAPSCREW, 1/4"NC x 5/8"
	70904204	4	LOCKWASHER, 1/4"
12	70628655	1	GASKET, bottom cover
13	70628512	1	COVER, flywheel housing bottom
	70901652	1	PLUG, pipe, 1/4"NPT
14	70916311	4	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	4	LOCKWASHER, 1/2"
15	70923376	2	O-RING, sealing, flywheel housing dowel pin hole
16	74500300	2	DOWEL, flywheel to crankshaft
16A	74359168	1	SLUG KIT, dowel sealing (Consists of 2 lead slugs)
17	74336897	1	□ RING, sealing, flywheel housing to crankcase
18	74336609	1	POINTER, timing
	70916284	2	CAPSCREW, 1/4"NC x 1/2"
	70904204	2	LOCKWASHER, 1/4"
19	70923816	1	O-RING, flywheel to crankshaft (Effective with engine #6-20362)

} Engines prior to #6-26602



CYLINDER HEAD

T-24184

CYLINDER HEAD

* Engines prior to serial No. 6-27289

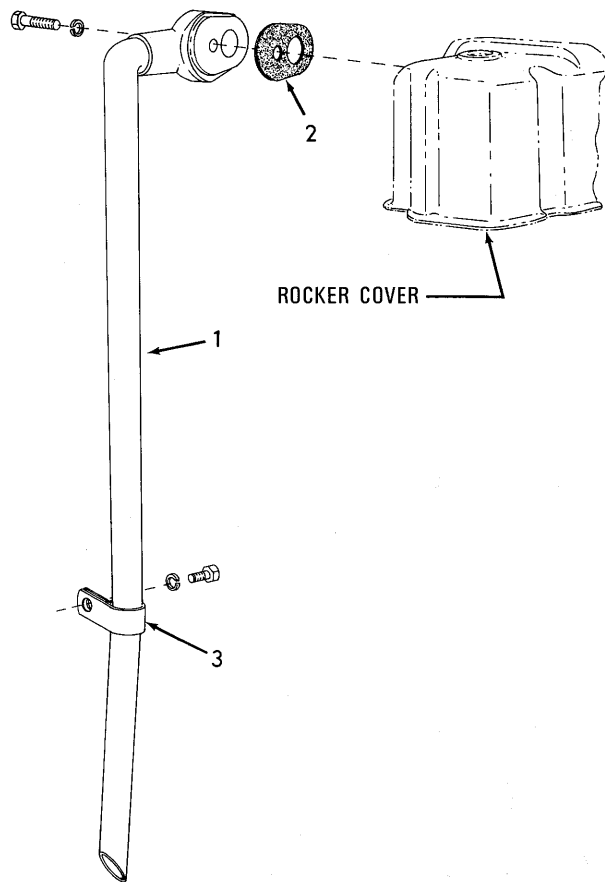
** Engines serial No. 6-27289 and up

ITEM	PART NO.	QTY.		DESCRIPTION	
		*	**		
1	74339615	1	-	HEAD ASSEMBLY, cylinder	Each includes items 2 thru 5 and hardware indented below
	74359075	-	1	HEAD ASSEMBLY, cylinder	
	70920340	5	5	PLUG, pipe, hex-socket, 3/4"NPT	
	70917560	4	4	PIN, dowel, 3/16" x 3/8" (intake valve locator)	
2	74336418	4	-	INSERT, intake valve seat (Standard)	5/16" thick. Used in early heads only
	74336601	4	-	INSERT, intake valve seat (.005" oversize)	
	74339546	4	-	INSERT, intake valve seat (45°-standard size)	13/32" thick. Used in late heads only
	74359112	-	4	INSERT, intake valve seat (30°-standard size)	
	74339624	4	-	INSERT, intake valve seat (45°-.005" oversize)	
	74359113	-	4	INSERT, intake valve seat (30°-.005" oversize)	
	74336419	4	-	INSERT, exhaust valve seat (Standard)	5/16" thick. Used in early heads only
	74336602	4	-	INSERT, exhaust valve seat (.005" oversize)	
	74339547	4	-	INSERT, exhaust valve seat (45°-standard size)	13/32" thick. Used in late heads only
	74359114	-	4	INSERT, exhaust valve seat (30°-standard size)	
3	74339625	4	-	INSERT, exhaust valve seat (45°-.005" oversize)	
	74359115	-	4	INSERT, exhaust valve seat (30°-.005" oversize)	
4	74336586	8	8	GUIDE, valve stem	
5	74336157	4	4	SLEEVE, injection nozzle	
6	74336128	4	-	VALVE, exhaust (45°)	
	74359117	-	4	VALVE, exhaust (30°)	
7	74336127	4	-	VALVE, intake (45°)	
	74359116	-	4	VALVE, intake (30°)	
8	74349883	1	1	□ GASKET, cylinder head	
9	74339498	5	5	STUD, cylinder head (1/2" x 6-1/8")	
10	74339505	17	17	STUD, cylinder head (5/8" x 6-1/2")	
11	74349510	2	2	STUD, cylinder head (5/8" x 8")	
12	74336131	4	4	SPRING, exhaust valve	
13	74336129	4	4	SPRING, intake valve, outer	
14	74336130	4	4	SPRING, intake valve, inner	
15	74336758	4	4	LOCATOR, intake valve	

(Continued)

CYLINDER HEAD (Continued)

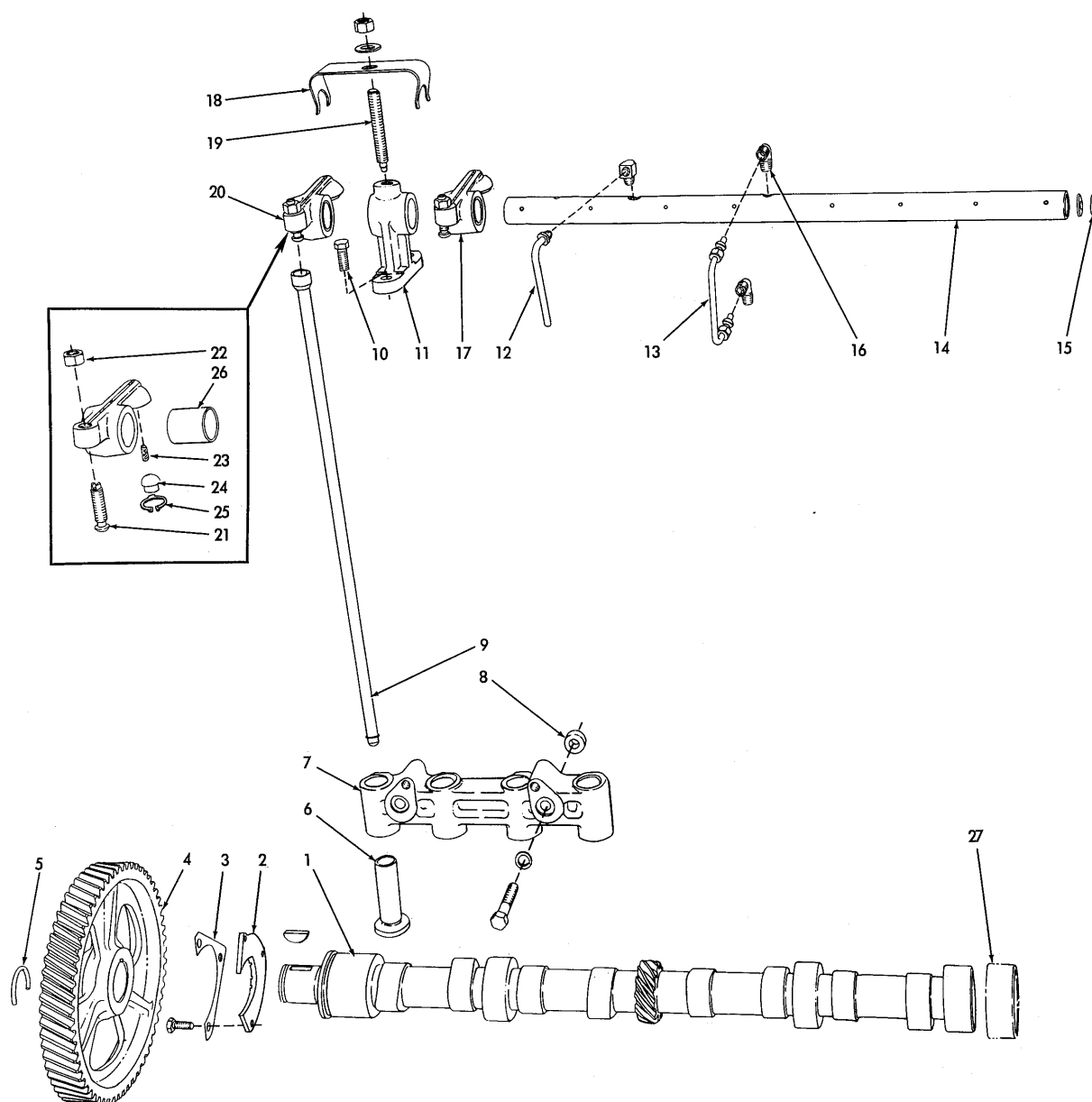
ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
16	74343799	4	4	RETAINER, exhaust valve spring
17	74336153	4	4	RETAINER, intake valve spring
18	74376497	16	16	LOCK, valve spring retainer (half only)
19	74354113	1	1	GASKET, rocker cover
20	74354111	1	1	COVER, rocker
21	74376749	4	4	WASHER, sealing, rocker cover nut
22	74375937	4	4	NUT, rocker cover
23	74372864	5	5	WASHER, cylinder head nut (for 1/2" stud)
24	74388205	5	5	NUT, cylinder head stud (1/2"NF)
25	74388202	21	21	NUT, cylinder head stud (5/8"NF)
26	74354490	19	19	WASHER, cylinder head nut (for 5/8" stud)
27	74348243	2	2	EYE, engine lifting
	70904209	2	2	LOCKWASHER, 5/8"



T-73760

ENGINE BREATHER

ITEM	PART NO.	QTY.	DESCRIPTION
1	74337747	1	TUBE, breather
	70916273	1	CAPSCREW, 3/8"NC x 1-3/4"
	70904206	1	LOCKWASHER, 3/8"
	74357730	-	TUBE, breather
2	74348133	1	GASKET, breather tube
3	74253771	1	CLAMP, breather tube supporting
	70915408	1	CAPSCREW, 3/8"NC x 3/4"
	70904206	1	LOCKWASHER, 3/8"



T-24185

VALVE OPERATING MECHANISM

ITEM PART NO. QTY. DESCRIPTION

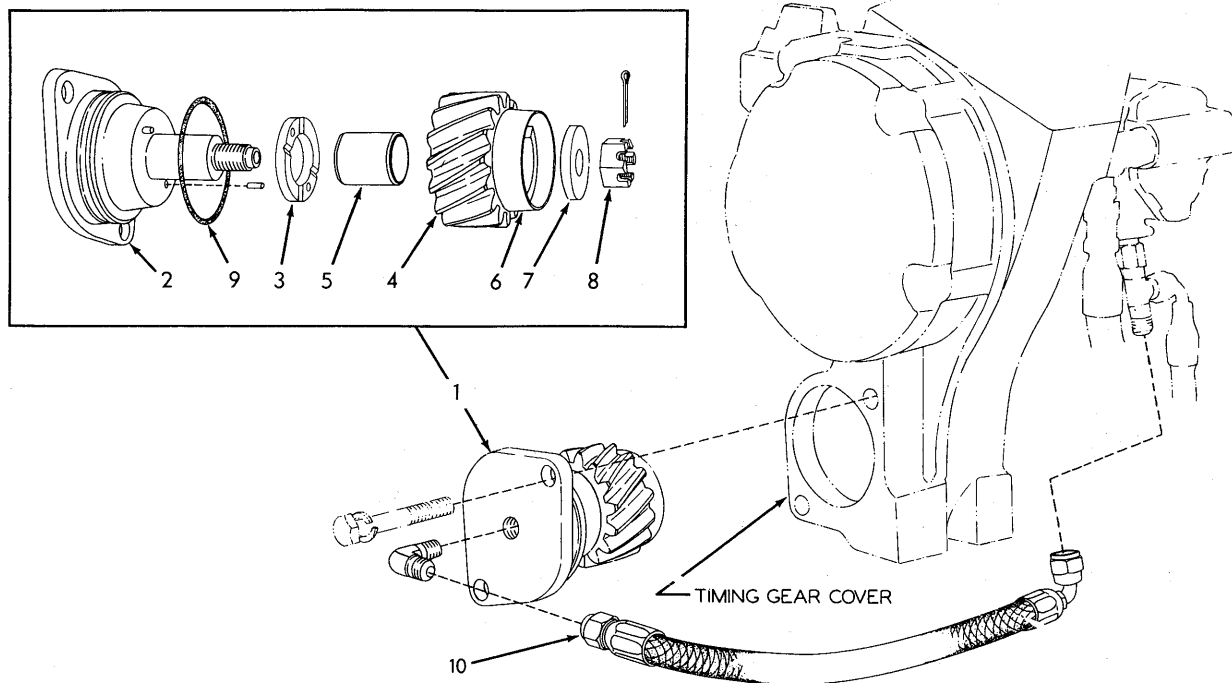
1	74337731	1	CAMSHAFT
	70905126	1	KEY, #15 woodruff, 1/4" x 1"
2	74349257	1	COLLAR, camshaft thrust
	70916277	3	CAPSCREW, 5/16"NC x 5/8"
3	74025391	1	PLATE, cap screw locking
4	74346206	1	GEAR, camshaft (Used prior to engine #6-14912)
	74359279	1	GEAR, camshaft (hardened)(Effective with engine #6-14912)

(Continued)

VALVE OPERATING MECHANISM (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
5	74346307	1	RING, snap, gear retaining
6	74338299	8	LIFTER, valve
7	74348074	2	BRACKET, valve lifter
	70919287	4	CAPSCREW, 3/8"NC x 1-7/8"
	70904206	4	LOCKWASHER, 3/8"
8	74347832	4	DOWEL, hollow, valve lifter bracket
9	74336234	8	ROD, push
10	74506946	8	STUD, rocker shaft bracket (Used prior to engine #6-25700)
	70904206	8	LOCKWASHER, 3/8"
	74348440	8	NUT, 3/8"NF
	74255723	8	BOLT, rocker shaft bracket (self-locking)(Effective with engine #6-25700)
11	74336142	4	BRACKET, rocker shaft
12	74349157	1	TUBE ASSEMBLY, rocker shaft drain (Includes nut)
	70913040	1	ELBOW, inverted, flare type, 90°, 1/4" tube, 1/4"NPT male
13	74348452	1	TUBE, oil, rocker shaft
	70911437	2	NUT, compression fitting, 1/4" tube
	70911435	2	SLEEVE, compression fitting, 1/4" tube
	70911017	1	ELBOW, compression, 1/4" tube, 1/8"NPT male
14	74348917	1	SHAFT ASSEMBLY, rocker arm (Includes 70910002 PLUGS and item 15)
	70910002	2	PLUG, expansion, 3/4" diam.
15	74254363	2	RING, snap, rocker shaft
16	74335381	1	ELBOW, rocker shaft oil tube (restricted)
17	74358988	4	ARM ASSEMBLY, rocker, exhaust valve (Includes items 21 and 22)
18	74338143	4	CLIP, spring, rocker arm retaining
19	74348130	1	SCREW, rocker shaft retaining (3" long, dog-pt.)
	74348129	3	STUD, rocker arm retaining clip (7/16" diam., 2-5/8" long)
	70912298	4	WASHER, plain, SAE std., 7/16"
	70910986	4	NUT, 7/16"NF
20	74358989	4	ARM ASSEMBLY, rocker, intake valve (Includes items 21 and 22)
21	74336646	8	SCREW, valve lash adjustment
22	74516821	8	NUT, valve lash adjustment screw
23	74364422	8	WICK, oiling, rocker ball
24	74379305	8	BALL, rocker arm
25	74385480	8	RING, snap, rocker arm ball
26	74660369	8	BUSHING, rocker arm (Engines prior to #6-24752)
27	-----	-	BEARING, camshaft (See CYLINDER BLOCK)

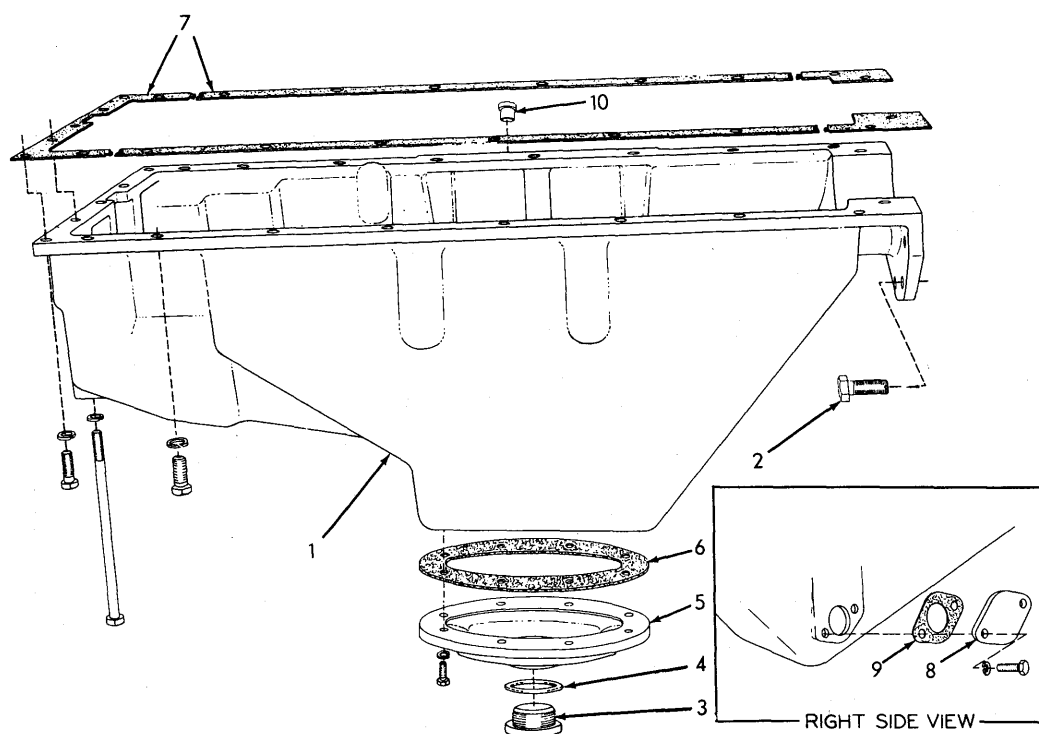
Engines prior
to #6-25490



T-24154

STEERING PUMP DRIVE

ITEM	PART NO.	QTY.	DESCRIPTION
1	74338168	1	DRIVE ASSY. (Consists of items 2 thru 9; also ELBOW 70919173'
	-----	2	CAPSCREW (See TIMING GEAR HOUSING section)
2	74335694	1	SHAFT ASSY. (Includes PINS indented below)
	70919242	2	PIN, spring, 1/8" x 3/8" (dowel)
3	74376598	1	WASHER, thrust
4	74339750	1	GEAR ASSY. (Includes items 5 and 6)
5	74335654	1	BUSHING, drive gear
6	74338161	1	SLEEVE, drive gear
7	74335655	1	WASHER, gear retaining
8	70919115	1	NUT, gear retaining (1/2"NF, left hand thread)
	70900801	1	PIN, cotter, 3/32" x 3/4"
9	70923814	1	O-RING, drive sealing
10	74335583	1	HOSE ASSY., lubricating (See HOSE PARTS)
	70919173	1	ELBOW, flare type, 1/4" tube, 1/8"NPT male

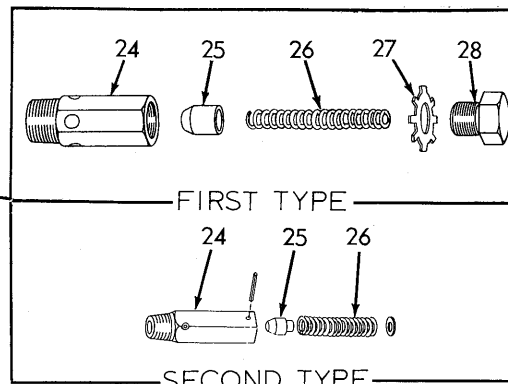
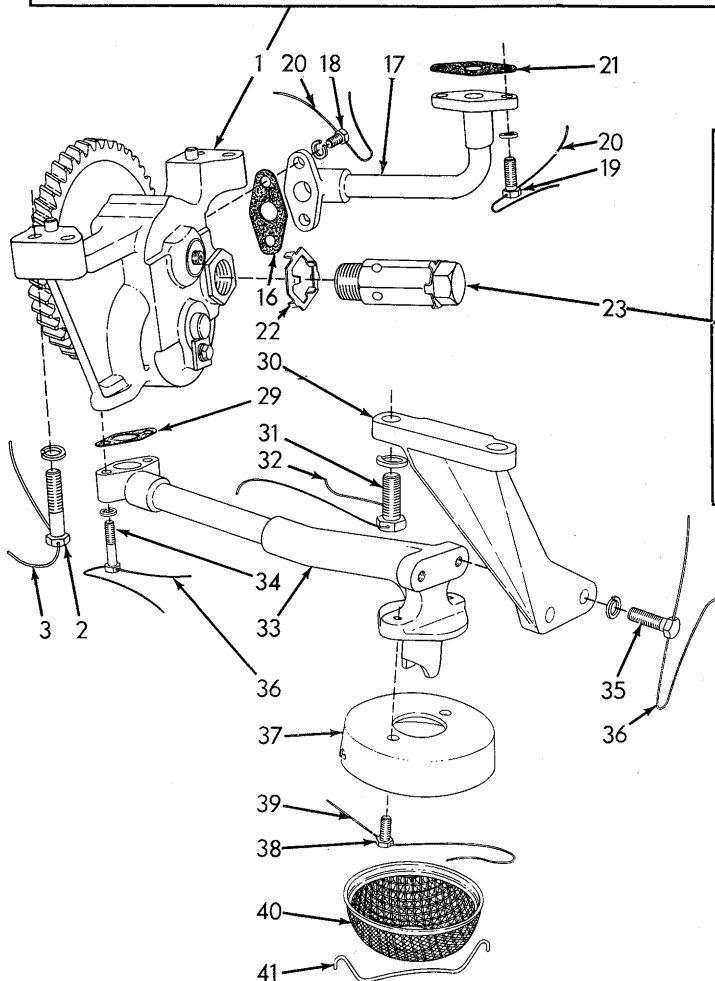
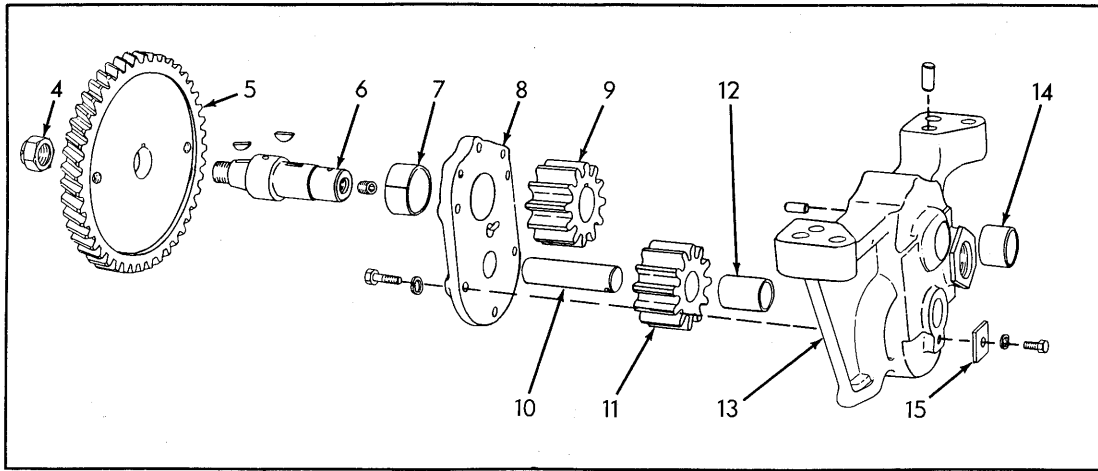


OIL PAN

T-14044

ITEM	PART NO.	QTY.	DESCRIPTION
1	74338738	1	PAN ASSY. (Includes items 8 thru 10)
2	74255916	5	CAPSCREW, nylon strip, 3/8"NC x 1"
	70919224	18	CAPSCREW, 3/8"NC x 1-1/8"
	70914392	2	CAPSCREW, 5/16"NC x 1"
	70919292	3	CAPSCREW, 5/16"NC x 6-3/4"
	70904206	18	LOCKWASHER, 3/8"
	70904205	5	LOCKWASHER, 5/16"
3	70035250	1	PLUG, oil drain
4	70667252	1	□GASKET, oil drain plug
5	74374221	1	COVER, clean-out
	70919224	8	CAPSCREW, 3/8"NC x 1-1/8"
	70904206	8	LOCKWASHER, 3/8"
6	74371289	1	□GASKET, clean-out cover
7	74348142	1	GASKET SET, oil pan (5 pieces)
8	74337741	1	COVER, side
	70915408	2	CAPSCREW, 3/8"NC x 3/4"
	70904206	2	LOCKWASHER, 3/8"
9	70621516	1	GASKET, side cover
10	74362338	1	PLUG, dipstick hole

Not original equipment.
Furnished with service
replacement oil pans only



OIL PUMP

T-14042

OIL PUMP

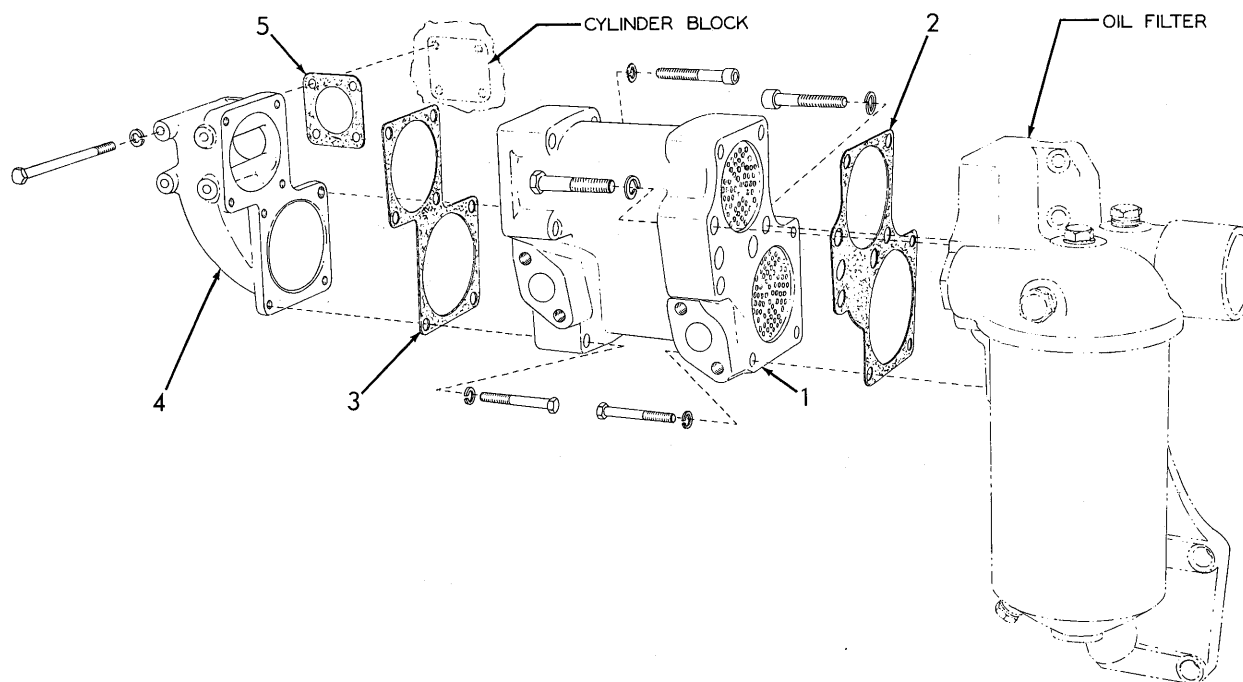
ITEM	PART NO.	QTY.	DESCRIPTION
1	74348886	1	PUMP ASSY., oil (Consists of items 4 thru 15)(Used prior to engine #6-14912)
	74359056	1	PUMP ASSY., oil (Consists of items 4 thru 15)(Effective with engine #6-14912)
2	74348692	4	CAPSCREW, drilled-hd., 3/8"NC x 1-3/4"
	70904206	4	LOCKWASHER, 3/8"
3	74509035	2	WIRE, locking, #18 x 10"
4	74254977	1	NUT, gear retaining
5	74348352	1	GEAR, driving (Used prior to engine #6-14912)
	74337047	1	GEAR, driving (hardened)(Effective with engine #6-14912)
6	74348894	1	SHAFT, upper
	70910224	2	KEY, #6-woodruff, 5/32" x 5/8"
	70917673	1	PLUG, pipe, hex-socket, 1/8"NPT
7	74347659	1	BUSHING, pump cover
8	74348044	1	COVER ASSY. (Includes item 7)
	70916282	6	CAPSCREW, 1/4"NC x 7/8"
	70904204	6	LOCKWASHER, 1/4"
9	74348883	1	GEAR, upper
10	74348038	1	SHAFT, lower
11	74348891	1	GEAR ASSY., lower (Includes item 12)
12	74348083	1	BUSHING, lower gear
13	74348885	1	HOUSING ASSY. (Includes item 14 and dowel PINS indented below)
	70917554	1	PIN, dowel, 1/4" x 1/2"
	70917546	2	PIN, dowel, 3/8" x 5/8"
14	74348303	1	BUSHING, pump housing
15	74348020	1	RETAINER, lower shaft
	70916284	1	CAPSCREW, 1/4"NC x 1/2"
	70904204	1	LOCKWASHER, 1/4"
16	74348215	1	□GASKET, discharge pipe to pump
17	74348834	1	PIPE, discharge
18	74320227	2	CAPSCREW, drilled-hd., 5/16"NC x 7/8"
	70904205	2	LOCKWASHER, 5/16"
19	74346483	2	CAPSCREW, drilled-hd., 3/8"NC x 1-1/4"
	70904206	2	LOCKWASHER, 3/8"
20	74509035	2	WIRE, locking, #18 x 10"
21	74346169	1	□GASKET, discharge pipe to crankcase
22	74347938	1	LOCK, pressure relief valve body
23	74354573	1	VALVE ASSY., pressure relief (Items 24 thru 26)
24	-----	1	BODY, pressure relief valve
25	-----	1	PISTON, pressure relief valve

} Not serviced separately

(Continued)

OIL PUMP (Continued)

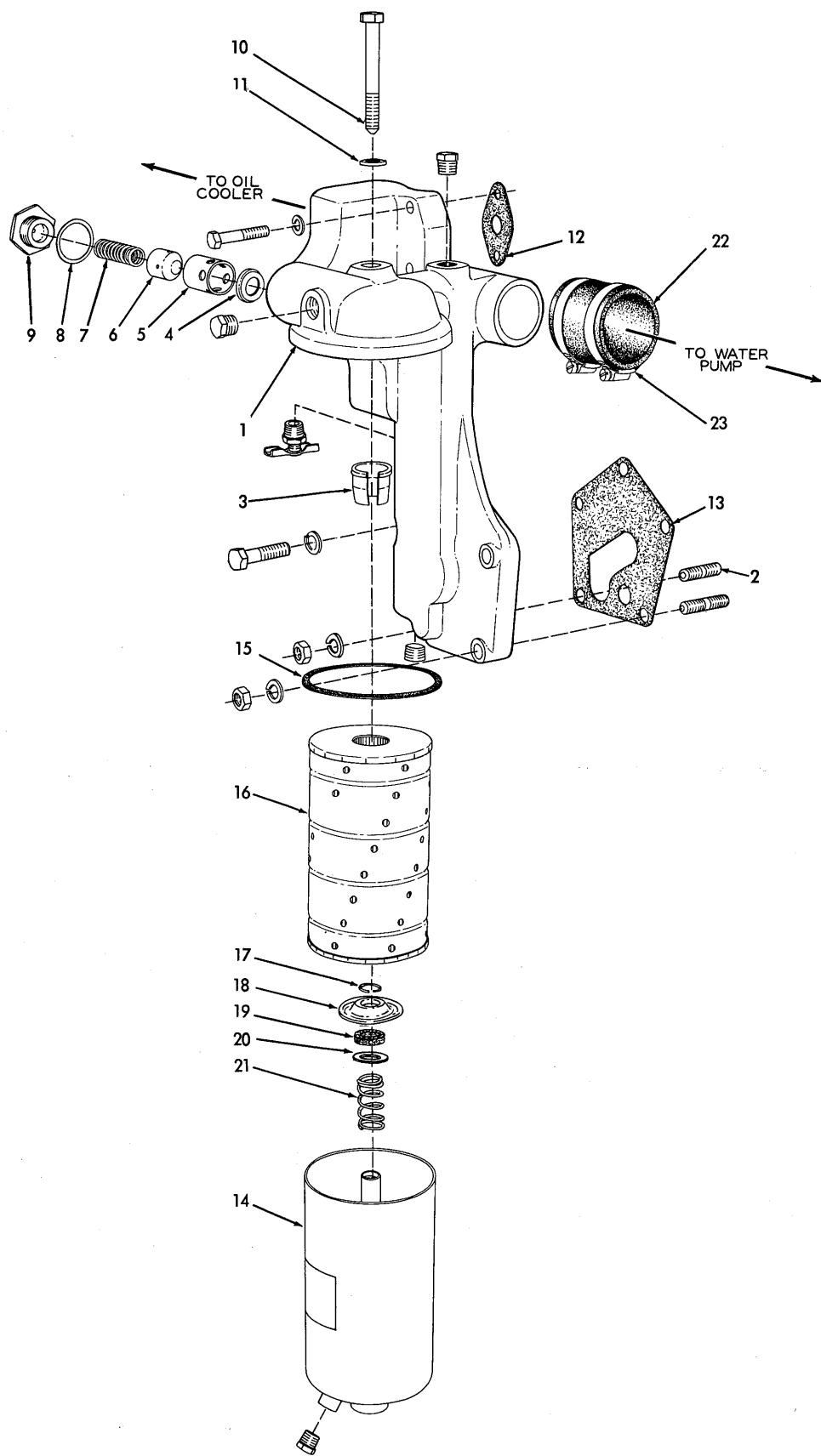
ITEM	PART NO.	QTY.	DESCRIPTION
26	-----	1	SPRING, pressure relief valve (Used prior to engine #6-23739. Order item 23)
	74354568	1	SPRING, pressure relief valve (Effective with engine #6-23739)
	74359310	1	WASHER, plain
	70916001	1	PIN, spring, 3/16" x 1"
27	-----	1	WASHER, locking, relief valve cap
28	-----	1	CAP, relief valve
29	74348218	1	□ GASKET, suction pipe to pressure pump
30	74348686	1	BRACKET, suction pipe supporting
31	74311869	2	CAPSCREW, drilled-hd., 1/2"NC x 1-1/4"
	70904208	2	LOCKWASHER, 1/2"
32	74348689	1	WIRE, locking, #18 x 13"
33	74348842	1	PIPE, suction
34	74349375	2	CAPSCREW, drilled-hd., 5/16"NC x 1-5/8"
	70904205	2	LOCKWASHER, 5/16"
35	74346483	2	CAPSCREW, drilled-hd., 3/8"NC x 1-1/4"
	70904206	2	LOCKWASHER, 3/8"
36	74509035	2	WIRE, locking, #18 x 10"
37	74348684	1	COVER, oil screen
38	74374129	2	CAPSCREW, drilled-hd., 5/16"NC x 3/4"
39	74509035	1	WIRE, locking, #18 x 10"
40	74348683	1	SCREEN, oil
41	74348682	1	RETAINER, oil screen



OIL COOLER

T-38145

ITEM	PART NO.	QTY.	DESCRIPTION
1	74349947	1	COOLER, oil
	70912069	11	CAPSCREW, hex-hd., 3/8"NC x 2-1/2"
	70912271	1	CAPSCREW, socket-hd., 3/8"NC x 2-1/2"
	70904206	12	LOCKWASHER, 3/8"
	70916317	2	CAPSCREW, 1/2"NC x 2-3/4"
	70919059	1	CAPSCREW, socket-hd., 1/2"NC x 2-3/4"
	70904208	3	LOCKWASHER, 1/2"
2	74349954	1	□GASKET, cooler to filter
3	74349983	1	GASKET, water connection to cooler
4	74348102	1	CONNECTION, water outlet
	70918778	4	CAPSCREW, 3/8"NC x 4-3/4"
	70904206	4	LOCKWASHER, 3/8"
5	74348184	1	□GASKET, water connection to block



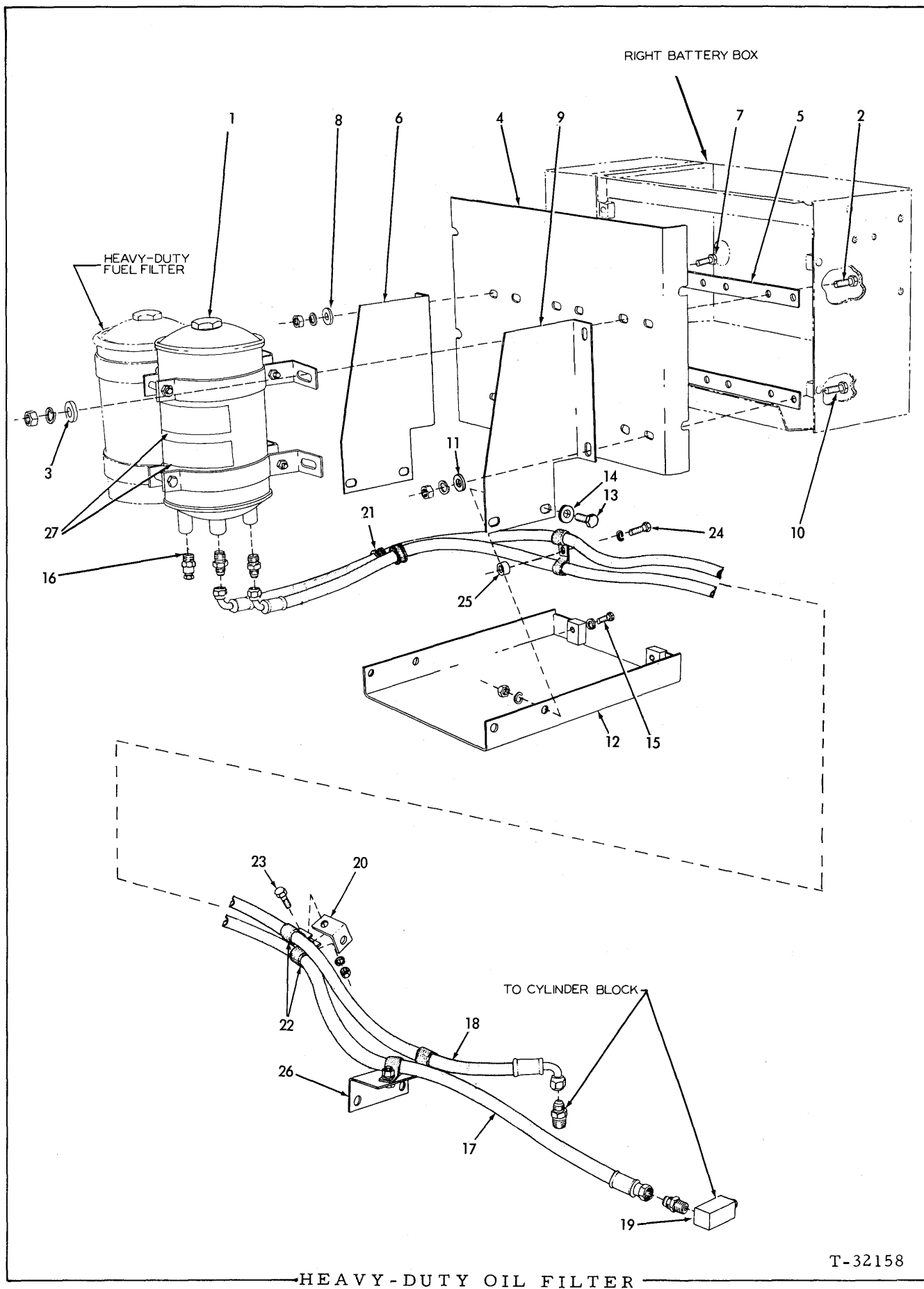
OIL FILTER

T-24183

OIL FILTER

ITEM	PART NO.	QTY.	DESCRIPTION
1	74349969	1	HEAD ASSY. (Includes items 3 thru 9)
	70920416	2	PLUG, pipe, hex-hd., 1/2"NPT
	70904223	1	PLUG, pipe, ctsk-hd., 1/2"NPT
	70910948	2	CAPSCREW, 3/8"NC x 2"
	70904206	2	LOCKWASHER, 3/8"
	70916314	2	CAPSCREW, 1/2"NC x 2"
	70904208	2	LOCKWASHER, 1/2"
	70912415	1	COCK, drain, T-handle, 1/4"NPT
2	74348314	1	STUD, filter head to block (1-7/8" long)
	74336799	1	STUD, filter head to block (2-3/8" long)
	70904208	2	LOCKWASHER, 1/2"
	70910195	2	NUT, 1/2"NF
3	74379263	1	GUIDE, cartridge
4	74373614	1	SEAT, by-pass valve
5	74373612	1	SLEEVE, by-pass valve piston
6	74373613	1	PISTON, by-pass valve
7	74335666	1	SPRING, by-pass valve
8	74253751	1	GASKET, by-pass valve cap
9	74349957	1	CAP, by-pass valve
10	74349962	1	CAPSCREW, body retaining
11	74376749	1	WASHER, sealing, body retaining capscREW
12	74348185	1	□GASKET, filter head to block, upper
13	74349956	1	□GASKET, filter head to block, lower
14	74349977	1	BODY, oil filter
	70918951	1	PLUG, pipe, hex-hd., 3/8"NPT
15	74372325	1	GASKET, body to head
16	74349986	1	CARTRIDGE ASSY. (Includes item 15)
17	74379269	1	RING, snap, adaptor and spring retaining
18	74055971	1	ADAPTOR, cartridge centering, lower
19	74053409	1	SEAL, cartridge adaptor
20	74053410	1	WASHER, cartridge adaptor seal
21	74379268	1	SPRING, cartridge retaining
22	74336794	1	HOSE, water pump to filter head
23	70925758	2	CLAMP, hose

NOTE: See PAINTING AND MARKING for transfer

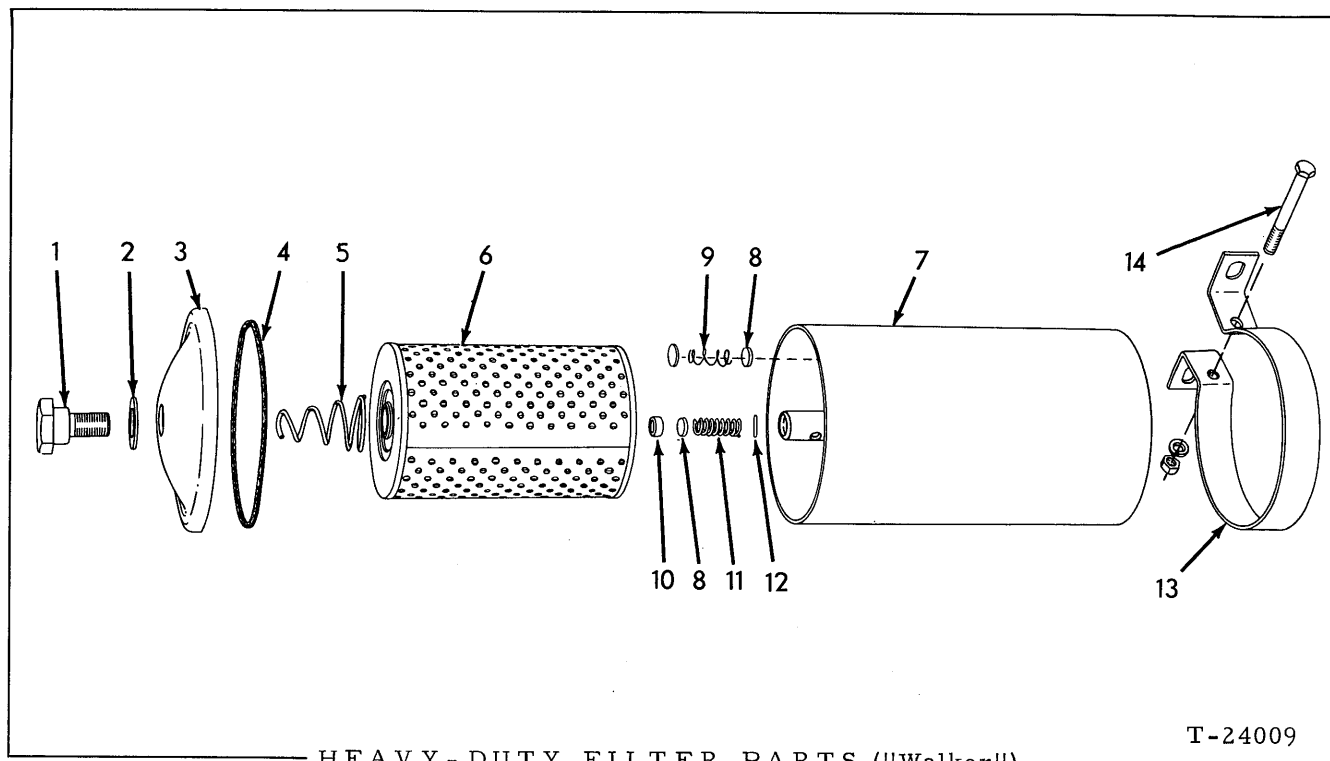


T-32158

HEAVY - DUTY OIL FILTER

USAGE: Special equipment. Supplements standard oil filter.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70098363	1	FILTER ASSY. ("Walker". See page 42 for parts)(Used prior to November 1965. Order FILTER ASSY., 70654674)
	70654674	1	FILTER ASSY. ("Briggs". See page 43 for parts)(Effective November 1965)
2	70915987	4	CAPSCREW, 1/2"NC x 1-1/2"
3	70064531	4	WASHER, plain
	70904208	4	LOCKWASHER, 1/2"
	70911028	4	NUT, 1/2"NC
4	70629154	1	COVER, right battery box (Replaces std. COVER 70627338)
5	70099830	2	PLATE, reinforcing
6	70099831	1	BRACKET, channel supporting, rear
7	70915987	2	CAPSCREW, 1/2"NC x 1-1/2"
8	70064531	2	WASHER, plain
	70904208	2	LOCKWASHER, 1/2"
	70911028	2	NUT, 1/2"NC
9	70099832	1	BRACKET, channel supporting, front
10	70915987	2	CAPSCREW, 1/2"NC x 1-1/2"
11	70064531	2	WASHER, plain
	70904208	2	LOCKWASHER, 1/2"
	70911028	2	NUT, 1/2"NC
12	70099824	1	CHANNEL, hose protecting
13	70916311	4	CAPSCREW, 1/2"NC x 1-1/4"
14	70064531	4	WASHER, plain
	70904208	4	LOCKWASHER, 1/2"
	70911028	4	NUT, 1/2"NC
15	70916311	2	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	2	LOCKWASHER, 1/2"
16	70633519	1	COCK, drain, 3/8"NPT
17	70645088	1	HOSE, oil supply (See HOSE PARTS)
	70919062	1	CONNECTOR, flare type, 3/8" tube, 1/4"NPT male
	70919172	1	CONNECTOR, flare type, 3/8" tube, 3/8"NPT male
18	70646918	1	HOSE, oil return (See HOSE PARTS)
	70919172	1	CONNECTOR, flare type, 3/8" tube, 3/8" NPT male
	70665143	1	CONNECTOR, flare type, 3/8" tube, 3/8"NPT male(restricted)
19	70094437	1	ELBOW, oil supply line
20	70630171	1	ANGLE, hose supporting
21	70644876	2	GROMMET, hose protecting, rear
22	70621304	6	CLIP, hose supporting
23	70916269	3	CAPSCREW, 3/8"NC x 7/8"
24	70916374	1	CAPSCREW, 3/8"NF x 1-3/8"
	70911115	5	WASHER, plain, SAE std., 3/8"
	70904206	4	LOCKWASHER, 3/8"
	70911026	3	NUT, 3/8"NC
25	70087082	1	SPACER, clip
26	70095985	1	ANGLE, hose supporting
27	-----	-	TRANSFER (See PAINTING AND MARKING)

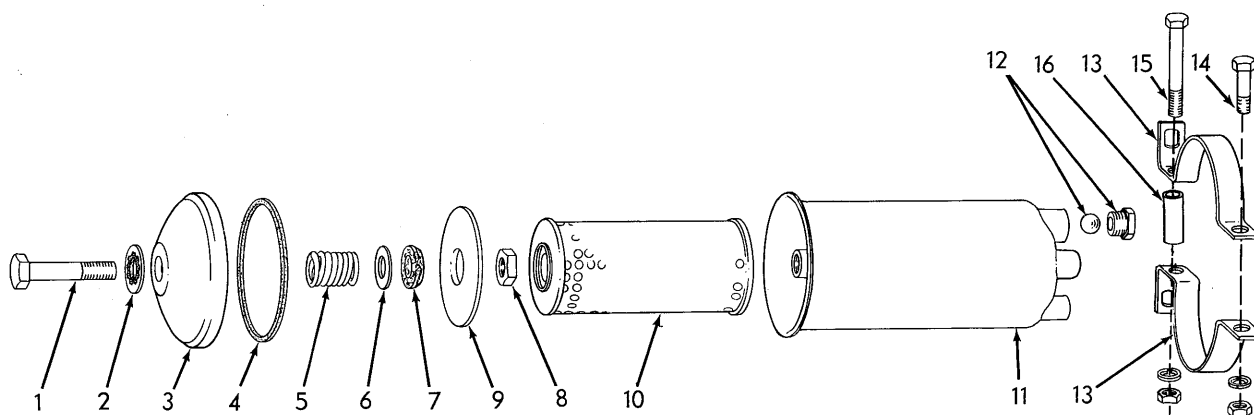


HEAVY-DUTY FILTER PARTS ("Walker")

T-24009

*70098363 FILTER ASSEMBLY, oil (See page 41)
 **70098364 FILTER ASSEMBLY, fuel (See page 44)

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

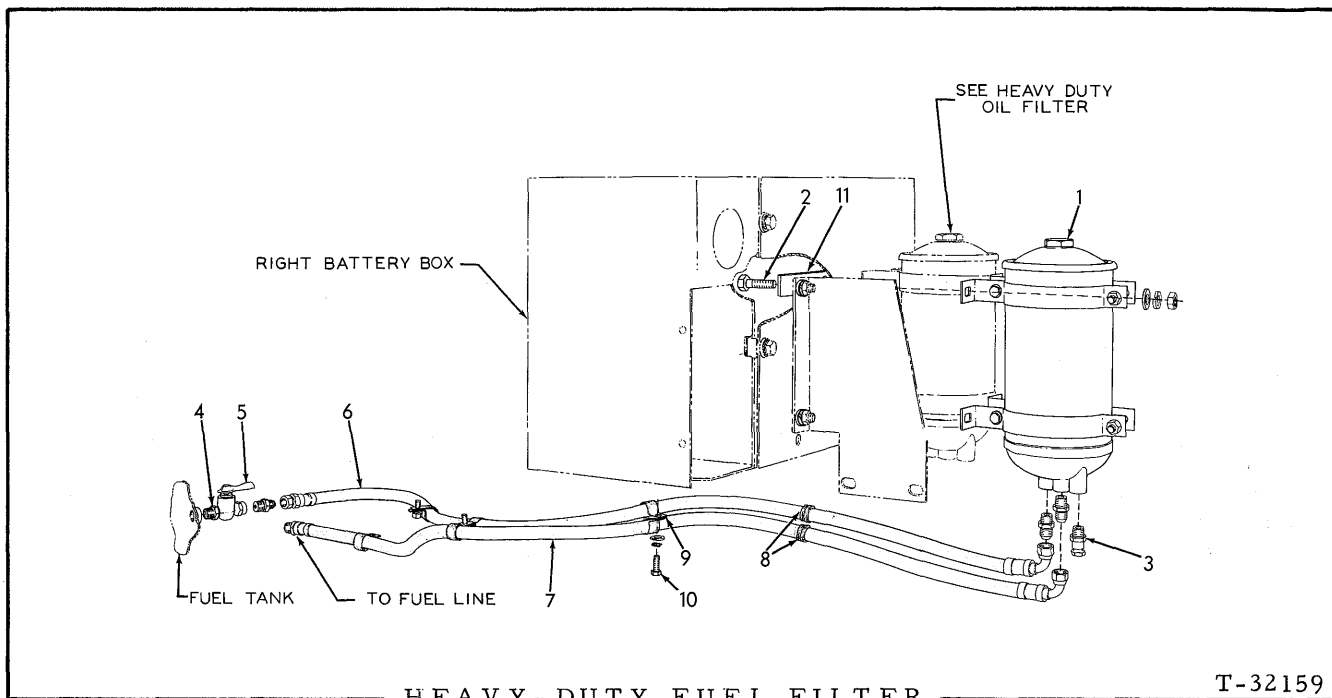


T-71312

HEAVY-DUTY FILTER PARTS ("Briggs")

*70654674 FILTER ASSEMBLY, oil (See page 41)
 **70654673 FILTER ASSEMBLY, fuel (See page 44)

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
1	70647680	1 -	VALVE ASSY., by-pass (Includes ball, spring and retainer) (Serviced only as a unit)
	70647432	- 1	CAPSCREW, cover retaining
2	70656431	1 1	WASHER, cover retaining capscREW
3	70647446	1 1	COVER, tank
4	70647448	1 1	GASKET, tank cover
5	70647439	1 1	SPRING, element retaining
6	70647449	1 1	WASHER, element retaining spring (steel)
7	70647450	1 1	WASHER, sealing, cover retaining capscREW (cork)
8	70647455	1 1	NUT
9	70647453	1 1	PLATE, element retaining
10	70667422	1 1	ELEMENT KIT (Includes items 2 and 4)
11	70654720	1 -	TANK
	70654719	- 1	TANK
12	70654721	1 -	BUSHING, oil inlet
	70905366	1 -	BALL, steel, 11/16" diam. (check valve)
13	70647554	4 4	STRAP, mounting
14	70013059	2 2	CAPSCREW, 3/8"NC x 2"
15	70041915	2 2	CAPSCREW, 3/8"NC x 3-1/2"
	70904206	4 4	LOCKWASHER, 3/8"
	70911026	4 4	NUT, 3/8"NC
16	70654717	2 2	PIPE, spacing, mounting strap

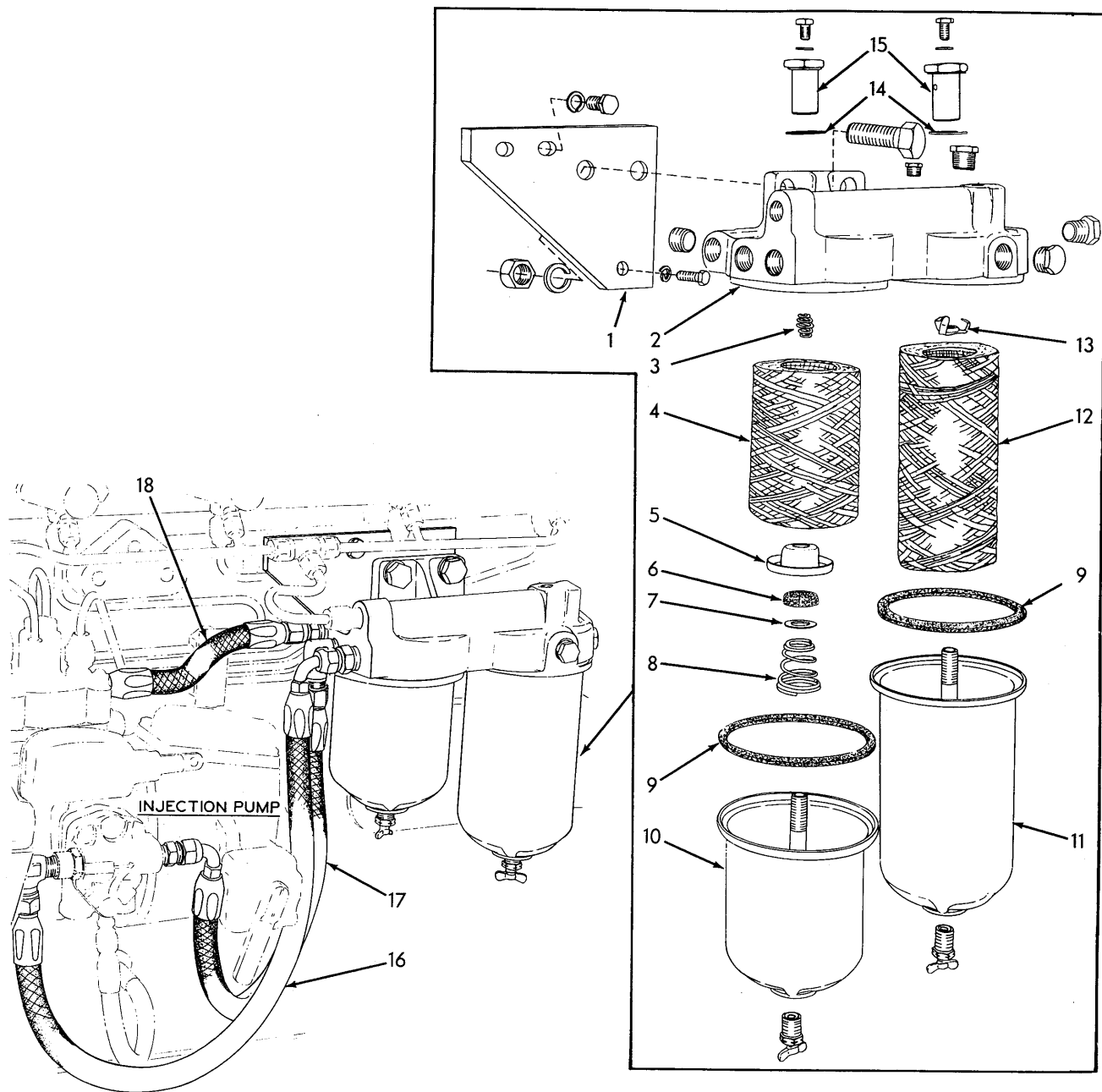


USAGE: Special equipment. Supplements standard fuel filter.

ITEM PART NO. QTY. DESCRIPTION

1	70098364	1	FILTER ASSEMBLY ("Walker". See page 42 for parts)(Used prior to November 1965. Order FILTER ASSEMBLY 70654673)
	70654673	1	FILTER ASSEMBLY ("Briggs". See page 43 for parts)(Effective November 1965)
2	70915987	4	CAPSCREW, 1/2"NC x 1-1/2"
	70064531	4	WASHER, plain
	70904208	4	LOCKWASHER, 1/2"
	70911028	4	NUT, 1/2"NC
3	70633519	1	COCK, drain, 3/8"NPT
4	70092727	1	COCK, fuel shut-off (Includes item 5)
5	70082189	1	HANDLE, fuel shut-off valve
6	70646917	1	HOSE, tank to filter (See HOSE PARTS)
	70919063	2	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
7	70646916	1	HOSE, filter to fuel line (See HOSE PARTS)
	70919063	1	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
8	70644876	2	GROMMET, hose protecting
9	70644713	6	CLIP, hose supporting
10	70916382	3	CAPSCREW, 3/8"NF x 7/8"
	70904206	3	LOCKWASHER, 3/8"
	70911115	3	WASHER, plain, SAE std., 3/8"
11	70099830	2	PLATE, reinforcing

MEMO

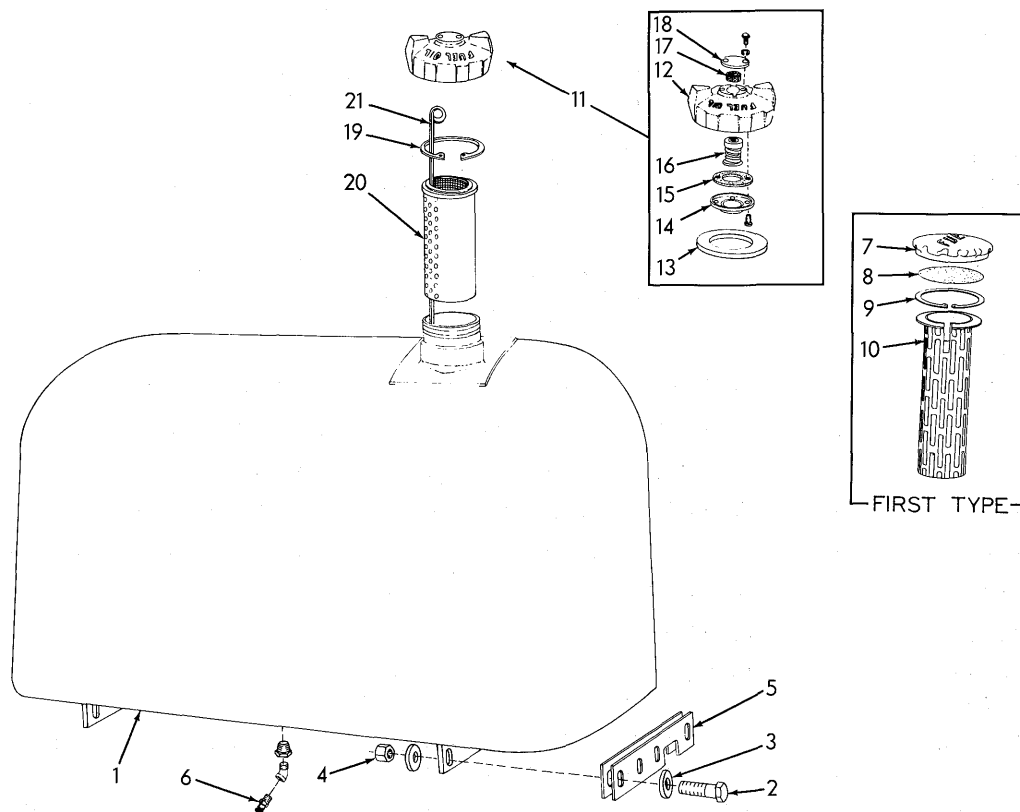


FUEL FILTERS

USAGE: Standard equipment. See page 44 for supplementary Heavy-Duty Fuel Filter.

ITEM	PART NO.	QTY.	DESCRIPTION
1	74337717	1	BRACKET, filter mounting
	70915813	1	CAPSCREW, 5/16"NC x 7/8"
	70904205	1	LOCKWASHER, 5/16"
	70916269	2	CAPSCREW, 3/8"NC x 7/8"
	70904206	2	LOCKWASHER, 3/8"
2	74389051	1	HEAD ASSY. (Includes PLUGS indented below)(If for engines prior to #6-21728 also order 2 BUSHINGS 70901826 and 2 NUTS 74389113)
	70919134	2	PLUG, pipe, hex-hd., 1/8"NPT
	70919840	1	PLUG, pipe, hex-hd., 1/4"NPT (Used prior to engine #6-21728)
	70920333	3	PLUG, pipe, hex-hd., 3/8"NPT (1 less used prior to engine #6-21728)
	70918887	1	PLUG, pipe, hex-socket, 3/8"NPT
	70919230	2	CAPSCREW, 1/2"NC x 1-3/8"
	70904208	2	LOCKWASHER, 1/2"
	70910325	2	NUT, 1/2"NC
3	74055913	1	GUIDE, element centering, second stage filter
4	74056633	1	ELEMENT KIT, second stage filter (Includes item 6, 7 and 9)
5	74052173	1	PLATE, element seating, second stage filter
6	-----	1	GASKET, element seating plate (Not serviced separately)
7	-----	1	WASHER, seating plate gasket (Not serviced separately)
8	74052174	1	SPRING, second stage filter
9	74040013	2	GASKET, filter shell
10	70065582	1	SHELL, second stage filter
	70912415	1	COCK, drain, 1/4"NPT
11	74354416	1	SHELL ASSY., first stage filter (Includes items 12 thru 15)
	70912415	1	COCK, drain, 1/4"NPT
12	74055563	1	ELEMENT ASSY., first stage filter (Includes item 9)(Not used when Heavy-Duty Filter is installed)
13	74051485	1	GUIDE, element centering, first stage filter
14	74051484	2	GASKET, shell retaining nut
15 {	74051483	2	NUT, shell retaining (1-3/16" long)(Used prior to engine #6-21728)
	74389113	2	NUT, shell retaining (1-9/16" long)(Effective with engine #6-21728)
	70919288	2	CAPSCREW, 1/4"NC x 3/8"
	70914686	2	WASHER, plain, I. D.
16	74335898	1	HOSE ASSY., first stage filter to transfer pump (See HOSE PARTS)
	70919172	1	CONNECTOR, flare type, 3/8" tube, 3/8"NPT male
	74337251	1	ELBOW, flare type, 90°, brass, 3/8" tube, 1/4"NPT male
17	74335935	1	HOSE ASSY., transfer pump to second stage filter (See HOSE PARTS)
	70919062	1	CONNECTOR, flare type, 3/8" tube, 1/4"NPT male (Used prior to engine #6-21728)
	70919172	1	CONNECTOR, flare type, 3/8" tube, 3/8"NPT male (Effective with engine #6-21728)
	74337251	1	ELBOW, flare type, 90°, brass, 3/8" tube, 1/4"NPT male
18	74349776	1	HOSE ASSY., filter to injection pump (See HOSE PARTS)
	70919172	1	CONNECTOR, flare type, 3/8" tube, 3/8"NPT male

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



T-32139

FUEL TANK

* Tractors prior to serial No. 21661

** Tractors serial No. 21661 and up

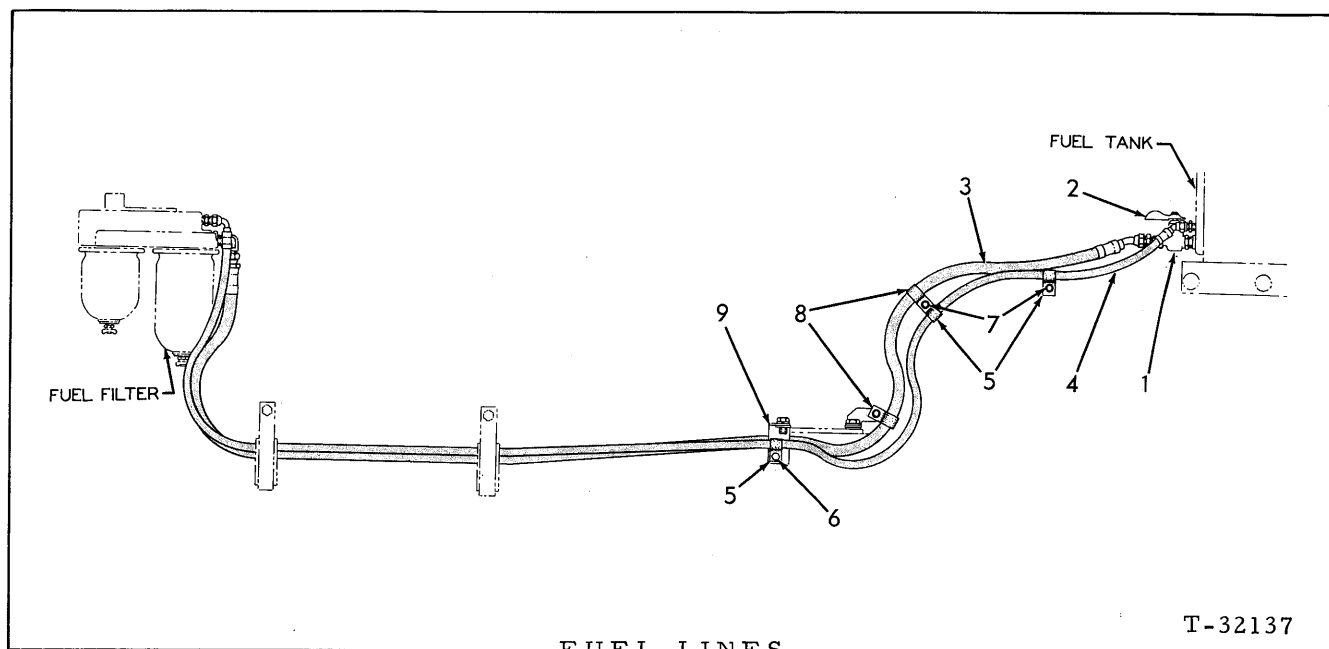
ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	70650251	1	-	TANK, fuel
	70660472	-	1	TANK, fuel
2	70035067	6	6	CAPSCREW, 1/2"NF x 2"
3	70064531	12	12	WASHER, plain
4	70038234	6	6	NUT, high, 1/2"NF
5	70633147	6	6	SHIM, tank mounting (Use as required)
6	70633519	1	1	COCK, fuel tank drain
	70902071	1	1	BUSHING, pipe reducing, 1"NPT to 3/8"NPT
	70910149	1	1	ELBOW, street, 3/8"NPT

(Continued)

FUEL TANK (Continued)

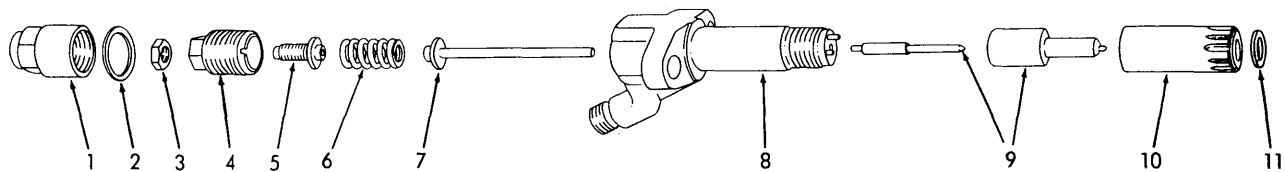
ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
7	70642744	1	-	CAP, fuel tank
8	70065613	1	-	GASKET, fuel tank cap
9	70621775	1	-	RING, snap, fuel strainer
10	70642749	1	-	STRAINER, fuel
11	70668252	-	1	CAP ASSY., fuel tank (Consists of items 12 thru 18)
12	-----	-	1	CAP, only (Not serviced separately)
13	70668263	-	1	GASKET, cap
14	70668806	-	1	SEAT, relief valve
	70926699	-	4	SCREW, fil-hd., brass, #10-24NC x 3/8"
15	70668804	-	1	GASKET, valve seat
16	70668805	-	1	VALVE ASSY., relief (Serviced only as a unit)
17	70664867	-	1	ELEMENT, air filter
18	70668262	-	1	COVER, tank cap
	70921181	-	2	SCREW ASSY., #10-24NC x 1/2" (Included lockwasher)
19	70654840	-	1	RING, snap, fuel strainer
20	70650509	-	1	STRAINER, fuel
21	70097735	1	1	GAUGE, fuel level

} Effective with tractor #19154



FUEL LINES

ITEM	PART NO.	QTY.	DESCRIPTION
1	70092727	1	COCK, fuel shut-off (Includes item 2)
2	70082189	1	HANDLE, fuel shut-off cock
3	70648745	1	HOSE, fuel supply (See HOSE PARTS)
	70919063	1	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
	70919206	1	ELBOW, flare type, 90°, 1/2" tube, 3/8"NPT male
4	70646131	1	HOSE, fuel return (See HOSE PARTS)
	70919140	2	CONNECTOR, flare type, 1/4" tube, 1/4"NPT male
5	70644006	3	CLIP, fuel return hose
6	70916269	1	CAPSCREW, 3/8"NC x 7/8"
	70911115	2	WASHER, plain, SAE std., 3/8"
	70904206	1	LOCKWASHER, 3/8"
	70911026	1	NUT, 3/8"NF
7	70916269	2	CAPSCREW, 3/8"NC x 7/8"
	70904206	2	LOCKWASHER, 3/8"
	70911115	2	WASHER, plain, SAE std., 3/8"
8	70094467	3	CLIP, fuel supply hose
9	70628631	1	ANGLE, hose supporting
	70910244	1	WASHER, plain, SAE std., 1/2"



NOZZLE HOLDER ASSEMBLY 74336566

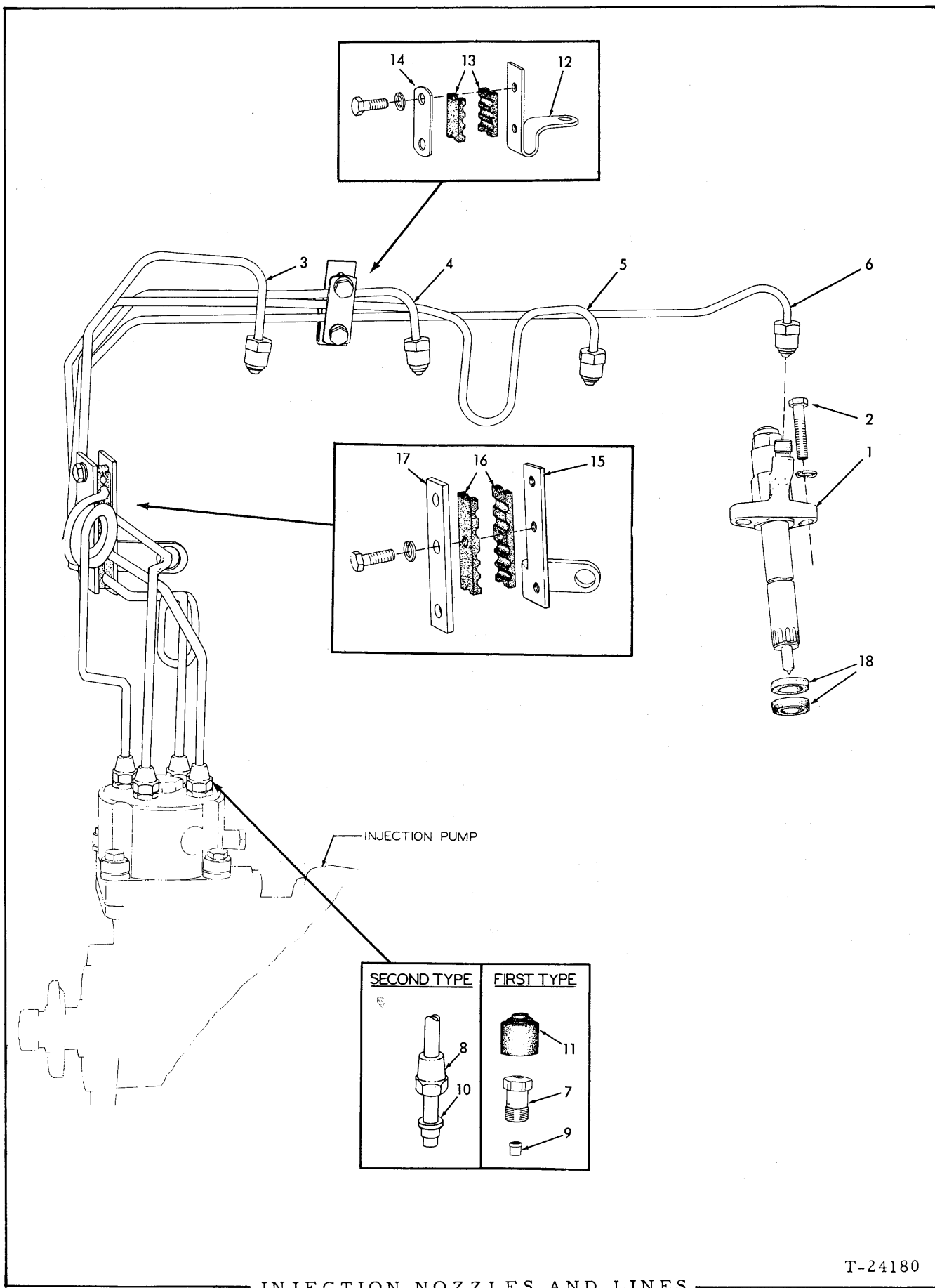
T-24188

USAGE: See page 52.

ITEM	PART NO.	QTY.	DESCRIPTION
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NOTE: Quantities indicated are for one (1) assembly only.

1	74052715	1	CAP, protecting
2	74049282	1	GASKET, protecting cap
3	74050523	1	NUT, adjusting screw
4	74050520	1	NUT, spindle retaining
5	74051839	1	SCREW, adjusting
6	74050519	1	SPRING, nozzle spindle
7	74052714	1	SPINDLE ASSY. (Serviced only as a unit)
8	-----	1	BODY (Not serviced separately)
9	74380685	1	NOZZLE ASSY., injection (Includes item 11)
10	74050516	1	NUT, nozzle retaining
11	74378031	1	GASKET, nozzle holder



T-24180

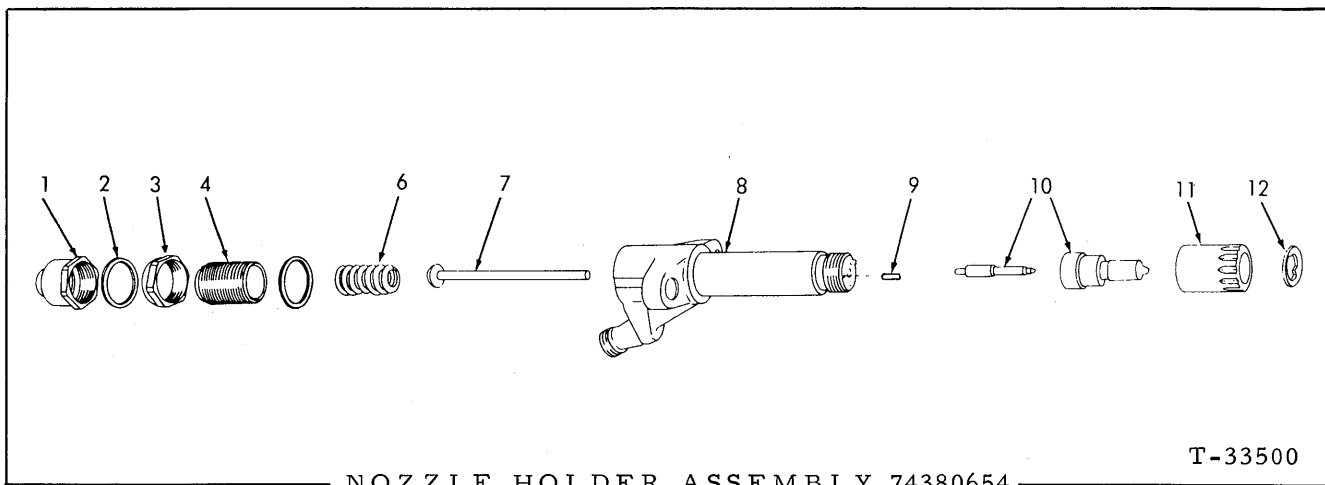
INJECTION NOZZLES AND LINES

*Engines prior to serial No. 6-16359

**Engines serial No. 6-16359 thru 6-20327

***Engines serial No. 6-20328 and up

ITEM	PART NO.	QUANTITY			DESCRIPTION
		*	**	***	
1	74336566	4	-	-	HOLDER ASSY., injection nozzle (See page 51 for parts) (Used prior to engine #6-15383. Order HOLDER ASSY. 74380654)
	74380654	4	4	4	HOLDER ASSY., injection nozzle (See page 54 for parts) (Effective with engine #6-15383)
2	-----	8	8	8	STUD, injection nozzle holder (Used prior to engine #6-24654. Order CAPSCREW 70903632)
	70910123	8	8	8	NUT, 3/8"NF
	70904206	8	8	8	LOCKWASHER, 3/8"
	70903632	-	-	8	CAPSCREW, 3/8"NC x 1-1/2"(Effective with engine #6-24654)
3	-----	1	-	-	LOCKWASHER, 3/8"
	74337799	-	1	-	TUBE ASSY., fuel injection (#1 cylinder)(See NOTE)
	74338560	-	-	1	TUBE ASSY., fuel injection (#1 cylinder)
4	-----	1	-	-	TUBE ASSY., fuel injection (#2 cylinder)(See NOTE)
	74337800	-	1	-	TUBE ASSY., fuel injection (#2 cylinder)
	74338561	-	-	1	TUBE ASSY., fuel injection (#2 cylinder)
5	-----	1	-	-	TUBE ASSY., fuel injection (#3 cylinder)(See NOTE)
	74337801	-	1	-	TUBE ASSY., fuel injection (#3 cylinder)
	74338562	-	-	1	TUBE ASSY., fuel injection (#3 cylinder)
6	-----	1	-	-	TUBE ASSY., fuel injection (#4 cylinder)(See NOTE)
	74337802	-	1	-	TUBE ASSY., fuel injection (#4 cylinder)
	74338563	-	-	1	TUBE ASSY., fuel injection (#4 cylinder)
NOTE: Each Tube Assembly listed above includes Nut and Sleeve for the upper end. Where part number is not listed, order the corresponding Tube Assembly of later design and include with each 1 SLEEVE 74501149, 1 SLEEVE 74054096, 1 NUT 74504409 and 1 FITTING 74054095.					
7	74052555	4	-	-	FITTING, injection tube, lower end
8	74504409	-	4	4	NUT, injection tube, lower end
9	74052556	4	-	-	SLEEVE, injection tube, lower end
10	74501149	-	4	4	SLEEVE, injection tube, lower end
11	74053156	4	-	-	CAP, injection tube fitting (rubber)
12	74349934	1	1	1	BRACKET, tube supporting, upper
13	74336742	2	2	2	SPACER, injection tubes (3 grooves)
14	74336776	1	1	1	PLATE, upper tube supporting bracket
	70920622	2	2	2	CAPSCREW, 5/16"NF x 1"
	70904205	2	2	2	LOCKWASHER, 5/16"
15	74338287	1	1	-	BRACKET, tube supporting lower
	74338566	-	-	1	BRACKET, tube supporting, lower
16	74336532	2	2	2	SPACER, injection tubes (5 grooves)
17	74336531	1	1	1	PLATE, lower tube supporting bracket
	70920622	3	3	3	CAPSCREW, 5/16"NF x 1"
	70904205	3	3	3	LOCKWASHER, 5/16"
18	74025385	8	8	8	SHIELD, dirt, nozzle holder



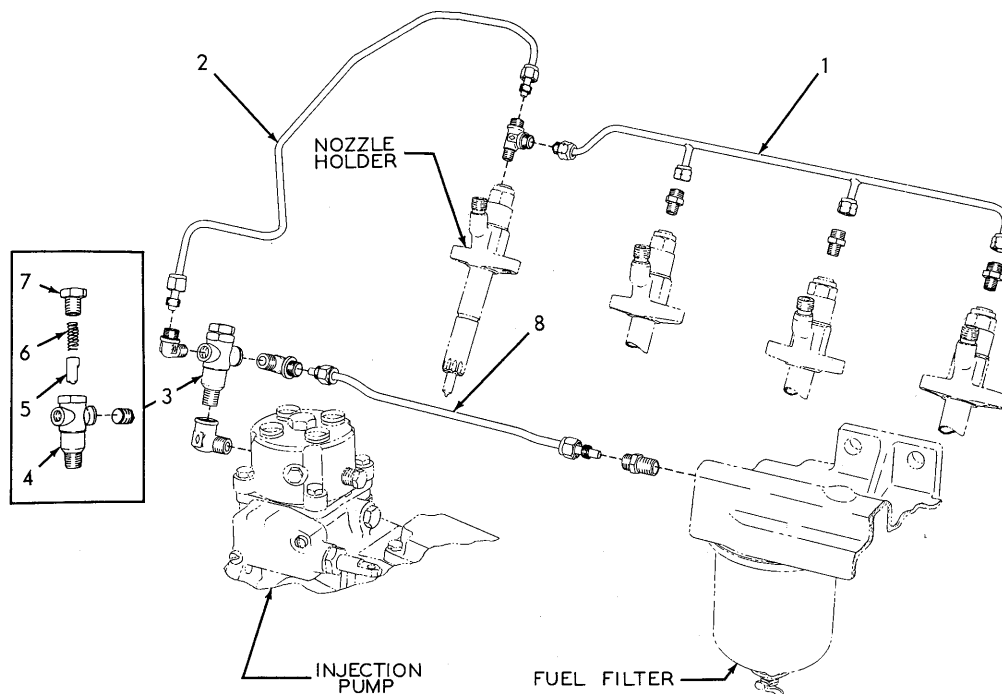
NOZZLE HOLDER ASSEMBLY 74380654

USAGE: See page 52.

ITEM	PART NO.	QTY.	DESCRIPTION
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NOTE: Quantities indicated below are for one (1) Holder Assembly only.

1	74378032	1	CAP, protecting
2	74511243	2	GASKET, cap nut
3	74511213	1	NUT, locking
4	74378033	1	SCREW, adjusting
6	74380652	1	SPRING
7	74380656	1	SPINDLE
8	-----	1	BODY (Not serviced separately)
9	70922943	2	PIN, nozzle locating
10	74380651	1	NOZZLE ASSY. (Includes item 12)
11	74380662	1	NUT, nozzle retaining
12	74378031	1	□GASKET, nozzle holder

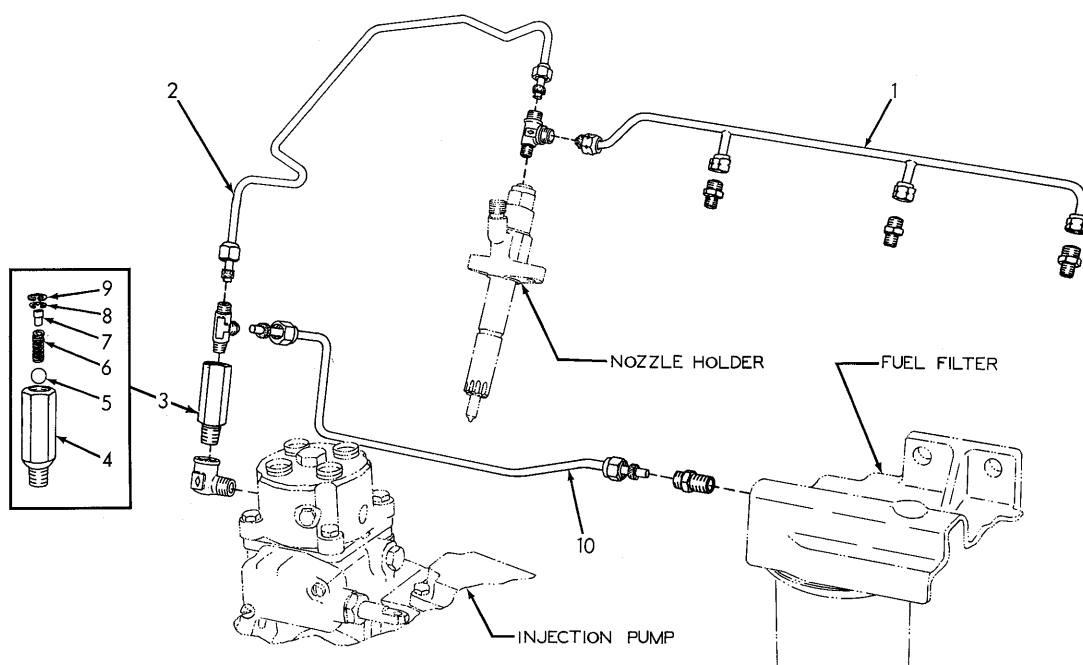


INJECTION FUEL RETURN LINES

T-24181

USAGE: Engines prior to serial No. 6-14912.

ITEM	PART NO.	QTY.	DESCRIPTION
1	74349927	1	MANIFOLD ASSY. (Includes NUTS and SLEEVES indented below)
	70917809	4	NUT, Imperial, 1/4" tube
	70917806	4	SLEEVE, Imperial, 1/4" tube
	70919800	3	CONNECTOR, Imperial, 1/4" tube, 1/8"NPT male
	70920411	1	TEE, Imperial, 1/4" tube, 1/8"NPT end
2	74349931	1	TUBE ASSY., manifold to relief valve (Includes NUTS and SLEEVES indented below)
	70917806	2	SLEEVE, Imperial, 1/4" tube
	70917809	2	NUT, Imperial, 1/4" tube
	70919040	1	ELBOW, Imperial, 1/4" tube, 1/8"NPT male
3	74515304	1	VALVE ASSY., pressure relief (Consists of items 4 thru 7)
	70914588	1	ELBOW, street, brass, 90°, 1/4"NPT
4	-----	1	BODY, relief valve (Not serviced separately)
	70901651	1	PLUG, pipe, 1/8"NPT (Not used)
5	74041015	1	VALVE, pressure relief
6	74050685	1	SPRING, pressure relief valve
7	74051304	1	SCREW, pressure relief valve
8	74337028	1	TUBE ASSY., relief valve to filter (Includes NUTS and SLEEVES indented below)
	70917806	2	SLEEVE, Imperial, 1/4" tube
	70917809	2	NUT, Imperial, 1/4" tube
	70920242	1	CONNECTOR, Imperial, 1/4" tube, 1/4"NPT male
	70919481	1	ELBOW, Imperial, 1/4" tube, 1/4"NPT male

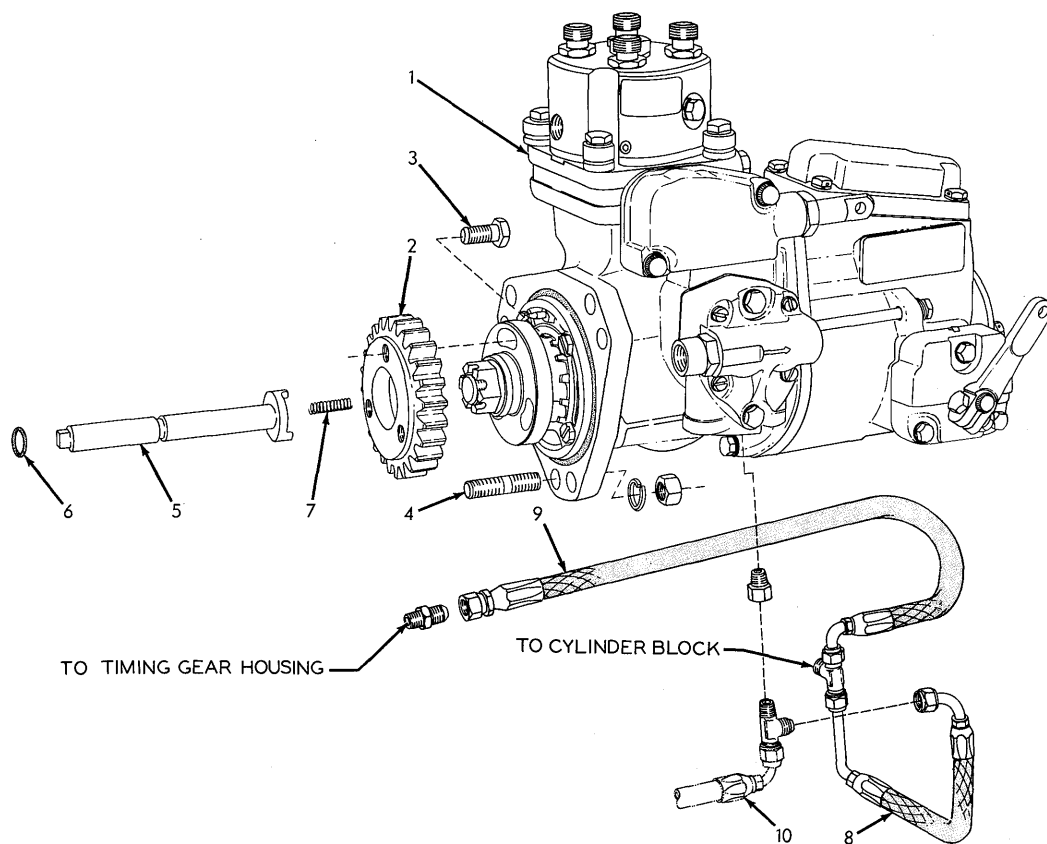


INJECTION FUEL RETURN LINES

T-33442

USAGE: Engines serial No. 6-14912 and up

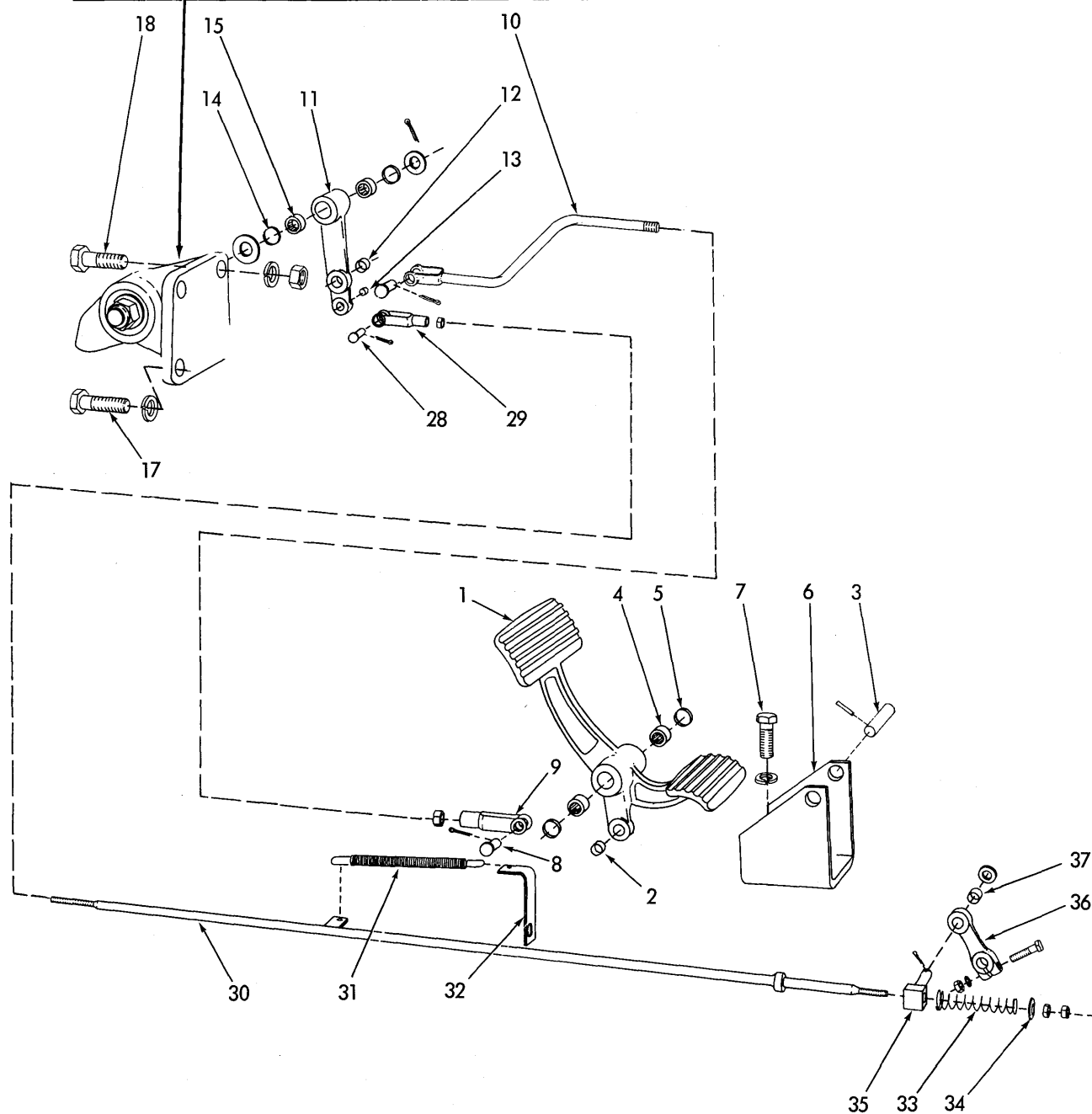
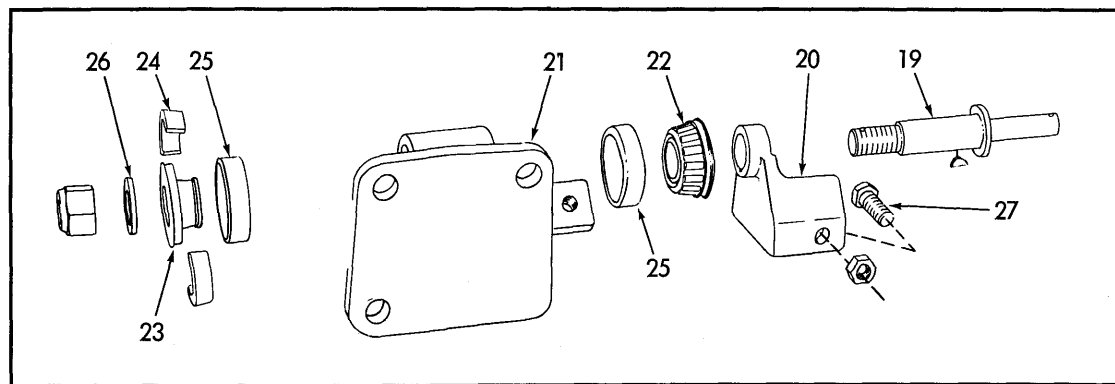
ITEM	PART NO.	QTY.	DESCRIPTION
1	74349927	1	MANIFOLD ASSEMBLY (Includes NUTS and SLEEVES indented below)
	70917809	4	NUT, Imperial, 1/4" tube
	70917806	4	SLEEVE, Imperial, 1/4" tube
	70919800	3	CONNECTOR, Imperial, 1/4" tube, 1/8"NPT male
	70920411	1	TEE, Imperial, 1/4" tube, 1/8"NPT end
2	74337194	1	TUBE ASSEMBLY, manifold to relief valve (Includes NUTS and SLEEVES indented below)(Used prior to engine #6-20328)
	74338564	1	TUBE ASSEMBLY, manifold to relief valve (Includes NUTS and SLEEVES indented below)(Effective with engine #6-20328)
	70917806	2	SLEEVE, Imperial, 1/4" tube
	70917809	2	NUT, Imperial, 1/4" tube
	70921378	1	TEE, Imperial, 1/4" tube, 1/4"NPT male
3	74337015	1	VALVE ASSEMBLY, pressure relief (Consists of items 4 thru 9)
	70914588	1	ELBOW, street, brass, 90°, 1/4"NPT
4	-----	1	BODY, relief valve (Not serviced separately)
5	74337022	1	BALL, relief valve
6	74337023	1	SPRING, relief valve
7	74337019	1	STOP, relief valve
8	74255017	1	E-RING, relief valve stop
9	74255020	1	RING, snap, relief valve
10	74337374	1	TUBE ASSY., relief valve to filter
	70917806	2	SLEEVE, Imperial, 1/4" tube
	70917809	2	NUT, Imperial, 1/4" tube
	70920242	1	CONNECTOR, Imperial, 1/4" tube, 1/4"NPT male



INJECTION PUMP

T-33388

ITEM	PART NO.	QTY.	DESCRIPTION
1	74354236	1	PUMP ASSEMBLY, injection (Consult "Fiat-Allis" dealer for service)
2	74347834	1	GEAR, injection pump coupling
3	70916381	3	CAPSCREW, 3/8"NF x 3/4"
4	74337224	3	STUD, pump attaching
	70904206	3	LOCKWASHER, 3/8"
	70910123	3	NUT, 3/8"NF
5	74335444	1	SHAFT, timing
6	70923663	1	O-RING, timing shaft
7	74346704	1	SPRING, timing shaft
8	74335931	1	HOSE ASSEMBLY, cylinder block to injection pump (See HOSE PARTS)
	70919345	1	TEE, flare type, 1/4" tube, 1/8"NPT male end
	70917032	1	ADAPTER, extension, 1/8"NPT male and female
9	74376906	1	HOSE ASSEMBLY, cylinder block to gear housing (See HOSE PARTS)
	70919773	1	TEE, flare type, 1/4" tube, 1/8"NPT male side
	70919171	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
10	-----	1	HOSE (See STEERING PUMP DRIVE)



THROTTLE CONTROL (First type)

T-33488

THROTTLE CONTROL

USAGE: Tractors prior to serial No. 19697

ITEM	PART NO.	QTY.	DESCRIPTION
1	70624602	1	PEDAL ASSEMBLY (Includes item 2)
2	70624584	1	BUSHING, throttle pedal
3	70624631	1	SHAFT, throttle pedal
	70915711	1	PIN, spring, 3/16" x 7/8"
4	70074699	2	BEARING, needle, pedal shaft
5	70096921	2	SEA L, pedal shaft
6	70638471	1	BRACKET, pedal shaft
7	70070469	2	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	2	LOCKWASHER, 1/2"
8	70078810	2	PIN, yoke, pedal rod
	70900942	2	PIN, cotter, 3/32" x 5/8"
9	70628736	1	YOKE, pedal rod
10	70624626	1	ROD, throttle pedal
	70911041	1	NUT, 3/8"NF
11	70624510	1	LEVER ASSEMBLY, front (Includes items 12 and 13)
	70910244	2	WASHER, plain, SAE std., 1/2" (For spacing)
	70910967	1	PIN, cotter, 1/8" x 7/8"
12	70624584	1	BUSHING, front lever (1/2" O. D.)
13	70624585	1	BUSHING, front lever (3/8" O. D.)
14	70096921	2	SEAL, front lever
15	70043021	2	BEARING, needle, front lever
16	70624787	1	FRICITION ASSEMBLY (Includes items 19 thru 27)
17	70035073	1	CAPSCREW, 1/2"NF x 1-3/4"
18	70070469	2	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	3	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF
19	70624604	1	SHAFT, friction
	70916589	1	NUT, elastic stop, 5/8"NF
20	70624607	1	LEVER, stop, friction shaft
	70921396	1	KEY, #213 woodruff, 1/8" x 3/8"
21	70624605	1	BRACKET, friction shaft
22	70624603	1	CONE ASSEMBLY, friction shaft bearing (Includes rollers)
23	70631482	1	CONE, friction shaft bearing (without rollers)
24	70631483	2	SHOE, friction (half only)
25	70328002	2	CUP, friction shaft bearing
26	70603380	1	WASHER, bearing retaining

(Continued)

THROTTLE CONTROL (Continued)

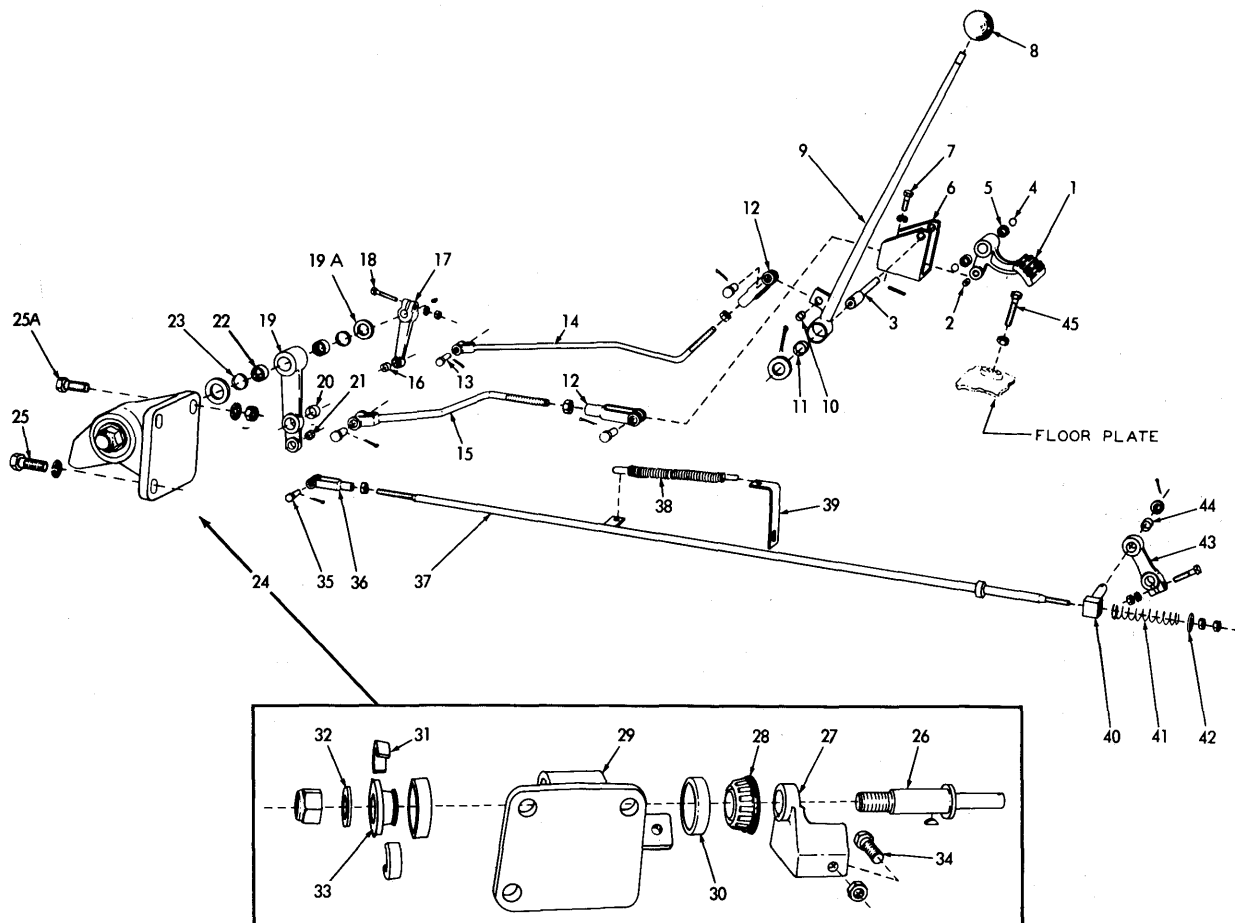
ITEM	PART NO.	QTY.	DESCRIPTION
27	70094290	3	CASPCREW, adjustment, governor control
	70911026	3	NUT, 3/8"NC
28	70628738	1	PIN, yoke, governor control rod
	70900970	1	PIN, cotter, 1/16" x 1/2"
29	70628737	1	YOKE, governor control rod
30	70628117	1	ROD, governor control
	70911040	3	NUT, 1/4"NF
31	70621614	1	SPRING, retracting, governor control rod
32	70628120	1	ANGLE, retracting spring
33	70037686	1	SPRING, governor control rod
34	70628121	1	WASHER, spring retaining
35	70628116	1	EYE, swivel, governor lever
	70911115	1	WASHER, plain, SAE std., 3/8"
	70900942	1	PIN, cotter, 3/32" x 5/8"
36	70624624	1	LEVER ASSEMBLY, governor (Includes item 37)
	70912177	1	CAPSCREW, 1/4"NF x 1-1/4"
	70904204	1	LOCKWASHER, 1/4"
	70911040	1	NUT, 1/4"NF
37	70628138	1	BUSHING, governor lever

THROTTLE CONTROL

USAGE: Tractors serial No. 19697 and up. For units equipped with Ground Speed Governor only.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70638469	1	PEDAL ASSEMBLY, decelerator (Includes item 2)
2	70624584	1	BUSHING, decelerator pedal
3	70637984	1	SHAFT, decelerator pedal
	70915711	1	PIN, spring, 3/16" x 7/8"
4	70096921	2	SEAL, pedal shaft
5	70074699	2	BEARING, needle, pedal shaft
6	70638471	1	BRACKET, pedal shaft
7	70916311	2	CAPSCREW, 1/2"NC x 1-1/4" (Early units)
	70035061	2	CAPSCREW, 1/2"NC x 1-1/4" (Late units)
	70904208	2	LOCKWASHER, 1/2"
8	70090020	1	KNOB, speed control lever
9	70638476	1	LEVER ASSEMBLY, ground speed control (Includes items 10 and 11)
	70910255	1	WASHER, plain, SAE std., 3/4"
	70910967	1	PIN, cotter, 1/8" x 7/8"
10	70624584	1	BUSHING, speed control lever (small)
11	70630795	2	BUSHING, speed control lever (large)
12	70628736	2	YOKE, control rods
13	70078810	4	PIN, yoke, control rods
	70900942	4	PIN, cotter, 3/32" x 5/8"
14	70639747	1	ROD, speed control
	70911041	1	NUT, 3/8"NF
15	70624626	1	ROD, decelerator pedal
	70911041	1	NUT, 3/8"NF
16	70624584	1	BUSHING, friction shaft lever
17	70633469	1	LEVER ASSEMBLY, friction shaft (Includes item 16)
	70905119	1	KEY, woodruff, 1/8" x 1/2"
18	70916279	1	CAPSCREW, 5/16"NC x 1-1/2"
	70904205	1	LOCKWASHER, 5/16"
	70911025	1	NUT, 5/16"NC
19	70624510	1	LEVER ASSEMBLY, front (Includes items 20 and 21)
	70910244	1	WASHER, plain, SAE std., 1/2" (For spacing)
19A	70064531	1	WASHER, lever spacing
20	70624584	1	BUSHING, front lever (1/2"O. D.)
21	70624585	1	BUSHING, front lever (3/8"O. D.)
22	70043021	2	BEARING, needle, front lever
23	70096921	2	SEAL, front lever
24	70638406	1	FRICITION ASSEMBLY (Includes items 26 thru 34)
25	70035073	1	CAPSCREW, 1/2"NF x 1-3/4" (Early units)
	70916313	1	CAPSCREW, 1/2"NC x 1-3/4" (Late units)
25A	70916311	2	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	3	LOCKWASHER, 1/2"
	70911028	2	NUT, 1/2"NC

(Continued)

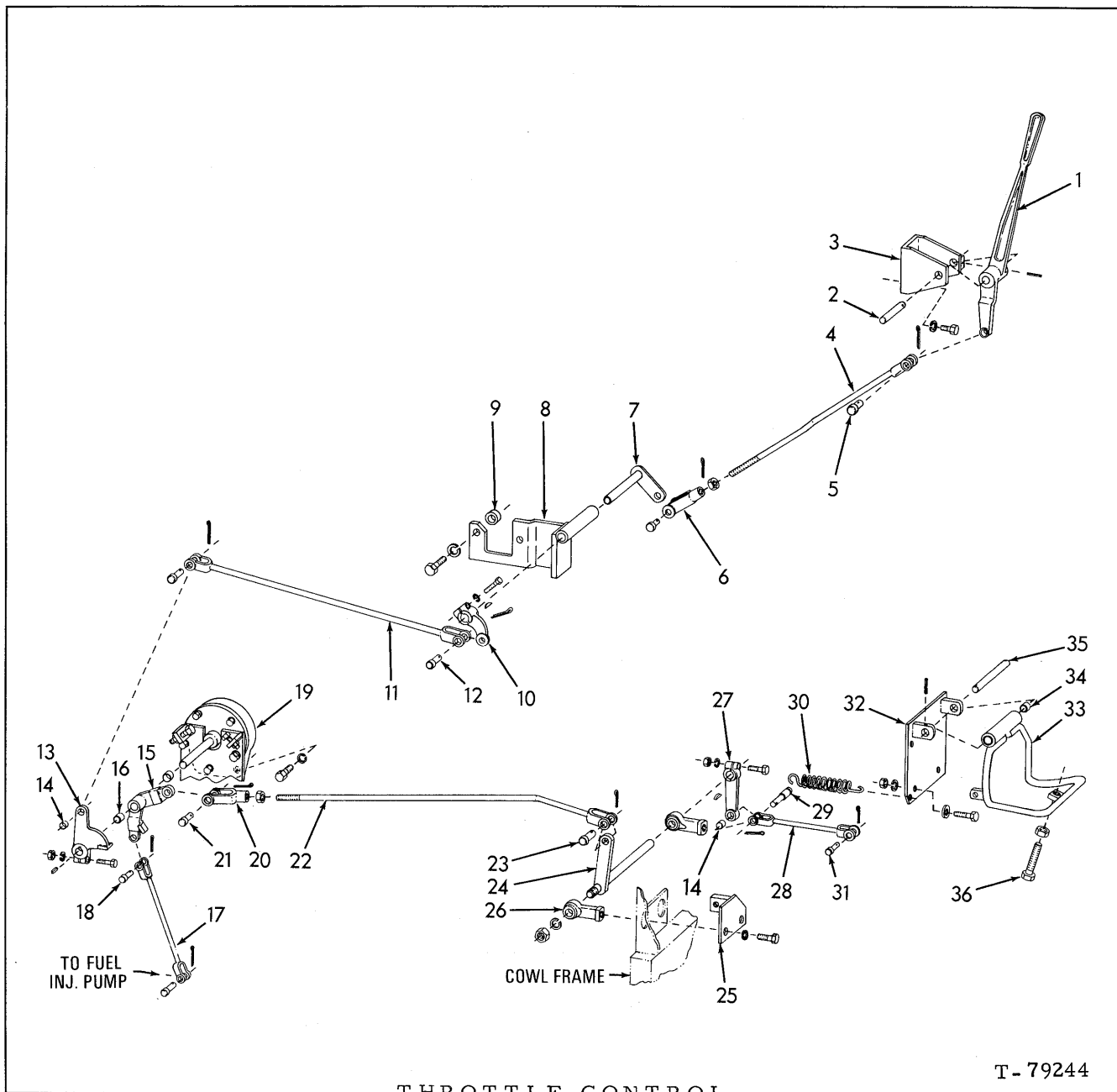


THROTTLE CONTROL (Second type)

T-70946

THROTTLE CONTROL (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
26	70638455	1	SHAFT, friction
	70916589	1	NUT, elastic stop, 5/8"NF
27	70624607	1	LEVER, stop, friction shaft
	70921396	1	KEY, #213 woodruff, 1/8" x 3/8"
28	70624603	1	CONE ASSEMBLY, friction shaft bearing (Includes rollers)
29	70624605	1	BRACKET, friction shaft
30	70328002	2	CUP, friction shaft bearing
31	70631483	2	SHOE, friction (half only)
32	70603380	1	WASHER, bearing retaining
33	70631482	1	CONE, friction shaft bearing (without rollers)
34	70094290	3	CAPSCREW, adjustment, governor control
	70911026	3	NUT, 3/8"NC
35	70628738	1	PIN, yoke, governor control rod
	70900970	1	PIN, cotter, 1/16" x 1/2"
36	70628737	1	YOKE, governor control rod
37	70628117	1	ROD, governor control
	70911040	3	NUT, 1/4"NF
38	70621614	1	SPRING, retracting, governor control rod
39	70628120	1	ANGLE, retracting spring
40	70628116	1	EYE, swivel, governor lever
	70911115	1	WASHER, plain SAE std., 3/8"
	70900942	1	PIN, cotter, 3/32" x 5/8"
41	70037686	1	SPRING, governor control rod
42	70628121	1	WASHER, spring retaining
43	70624624	1	LEVER ASSEMBLY, governor (Includes item 44)
	70918237	1	CAPSCREW, 1/4"NC x 1-1/4"
	70904204	1	LOCKWASHER, 1/4"
	70911024	1	NUT, 1/4"NC
44	70628138	1	BUSHING, governor lever
45	70089900	1	CAPSCREW, decelerator pedal stop (Early units)
	70913830	1	NUT, jam, 1/2"NF
	70648477	1	CAPSCREW, decelerator pedal stop (Late units)
	70911035	1	NUT, jam, 1/2"NC



USAGE: Tractors serial No. 88Y23314 and up not equipped with special Ground Speed Governor.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70094996	1	LEVER, operating
2	70095435	1	SHAFT, lever operating
	70918111	1	PIN, spring, 1/8" x 1"
3	70094993	1	BRACKET, lever operating
	70927211	2	CAPSCREW, 3/8"NC x 3/4"
	70910287	2	LOCKWASHER, 3/8"
4	70631589	1	ROD, control
	70911048	1	NUT, jam, 3/8"NF

(Continued)

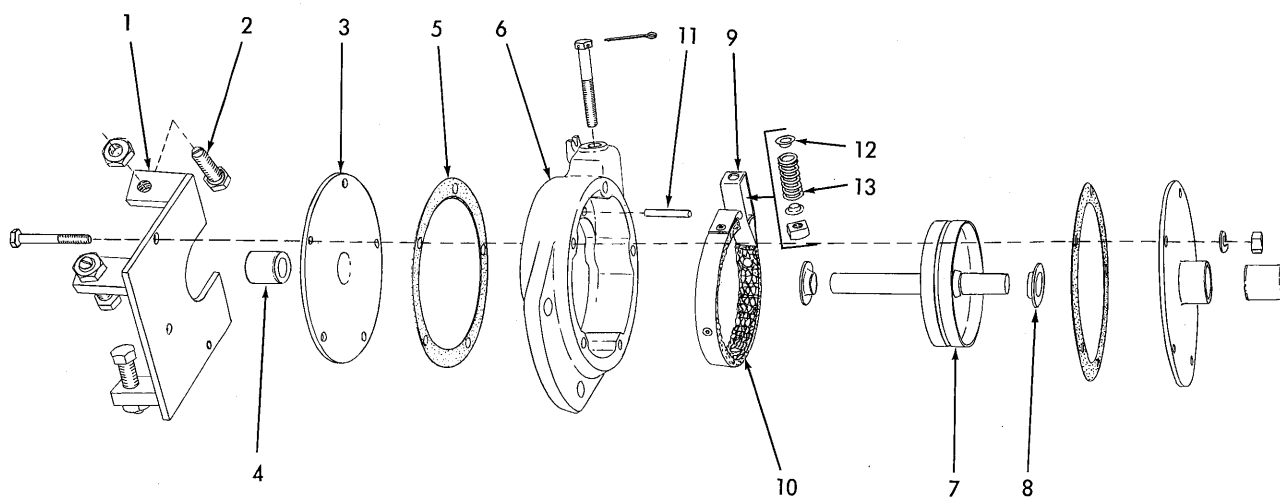
THROTTLE CONTROL (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
5	70078810	2	PIN, control rod
	70918448	2	PIN, cotter, 3/32" x 1"
6	70628736	1	YOKE, control rod
7	70094309	1	SHAFT
	70905121	1	KEY, #5 woodruff, 1/8" x 5/8"
8	70647778	1	BRACKET, shaft supporting
	70921556	2	CAPSCREW, 1/2"NC x 2"
	70912441	2	LOCKWASHER, 1/2"
9	70050679	2	SPACER, bracket
10	70055416	1	LEVER, rod
	70922843	1	CAPSCREW, 5/16"NC x 1-1/4"
	70919311	1	LOCKWASHER, 5/16"
11	70648516	1	ROD, throttle lever
12	70078810	2	PIN
	70918448	2	PIN, cotter, 3/32" x 1"
13	70631494	1	LEVER ASSY., throttle (outer)(Includes item 14)
	70918312	1	KTY, #61 woodruff, 3/16" x 5/8"
	70920660	1	CAPSCREW, 5/16"NC x 1-1/2"
	70919311	1	LOCKWASHER, 5/16"
	70911025	1	NUT, 5/16"NC
14	70624584	1	BUSHING
15	70648435	1	LEVER ASSY., decelerator (inner)(Includes item 16)
16	70637286	2	BUSHING
17	70094287	1	ROD, decelerator lower
18	70628738	2	PIN, decelerator lower rod
	70900970	2	PIN, cotter, 1/16" x 1/2"
19	-----	1	THROTTLE ASSY. (See page 67)
	70921076	2	CAPSCREW, 3/8"NC x 1-1/4"
	70910287	2	LOCKWASHER, 3/8"
	70911026	2	NUT, 3/8"NC
20	70628736	1	YOKE, decelerator upper rod
21	70078810	1	PIN, yoke
	70918448	1	PIN, cotter, 3/32" x 1"
22	70648456	1	ROD, decelerator upper
	70911048	1	NUT, jam, 3/8"NF
23	70078810	1	PIN, decelerator upper rod
	70918448	1	PIN, cotter, 3/32" x 1"
24	70648556	1	SHAFT, pivot
	70905119	1	KEY, #3 woodruff, 1/8" x 1/2"
	70912441	1	LOCKWASHER, 1/2"
	70913830	1	NUT, 1/2"NF

(Continued)

THROTTLE CONTROL (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
25	70647540	1	BRACKET, pivot shaft supporting
	70927158	2	CAPSCREW, 1/2"NF x 1"
	70912441	2	LOCKWASHER, 1/2"
26	70638732	2	END, rod
27	70633469	1	LEVER ASSY., decelerator (Includes item 14)
	70920660	1	CAPSCREW, 5/16"NC x 1-1/2"
	70919311	1	LOCKWASHER, 5/16"
	70911025	1	NUT, 5/16"NC
28	70648575	1	ROD, decelerator pedal
29	70634073	1	PIN, decelerator lever
	70918448	1	PIN, cotter, 3/32" x 1"
30	70072438	1	SPRING, decelerator
31	70078810	1	PIN, decelerator rod
	70918448	1	PIN, cotter, 3/32" x 1"
32	70648907	1	PLATE, decelerator pedal supporting
	70921076	3	CAPSCREW, 3/8"NC x 1-1/4"
	70677006	3	WASHER, plain
	70910287	3	LOCKWASHER, 3/8"
	70911026	3	NUT, 3/8"NC
33	70098392	1	LEVER ASSY., pedal (Includes item 34)
34	70063222	2	BUSHING
35	70098389	1	SHAFT, decelerator pedal
	70918111	1	PIN, spring, 1/8" x 1"
36	70928428	1	CAPSCREW, pedal stop, 1/2"NF x 1-3/16"
	70913830	1	NUT, 1/2"NF

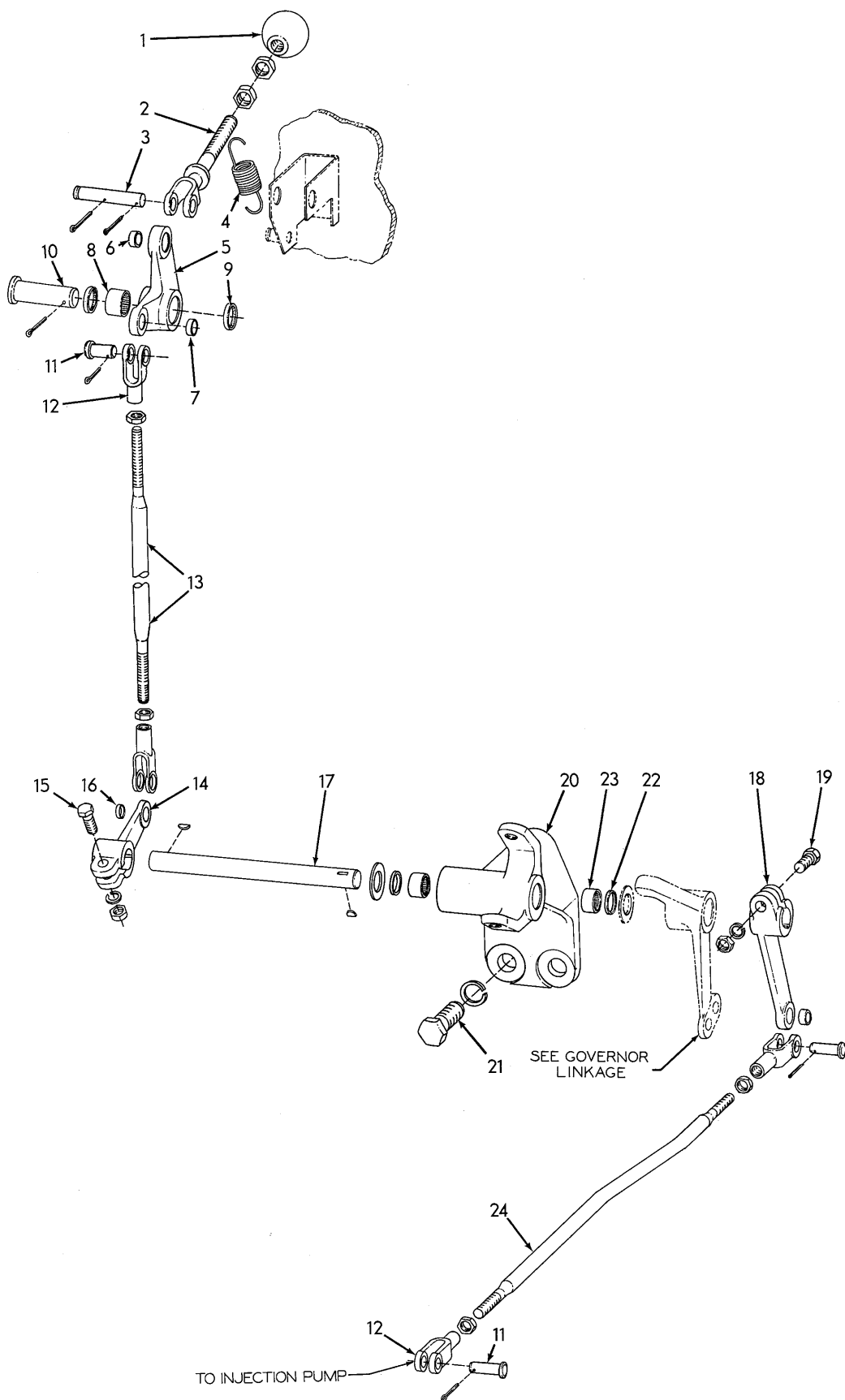


THROTTLE ASSEMBLY

T-19691

USAGE: See page 65. Tractor serial No. 88Y23314 and up not equipped with Ground Spud Governor.

ITEM	PART NO.	QTY.	DESCRIPTION
-	70648518	1	THROTTLE ASSY. (Includes items 1 thru 13)
1	70094990	1	PLATE, lever stop
	70916933	3	CAPSCREW, 1/4"NF x 2"
	70904204	3	LOCKWASHER, 1/4"
	70911040	3	NUT, 1/4"NF
2	70634650	4	CAPSCREW, lever stop
	70911034	4	NUT, jam, 3/8"NC
3	70068866	2	PLATE ASSY. (Includes item 4)
	70914892	2	CAPSCREW, 1/4"NF x 1-3/4"
	70904204	2	LOCKWASHER, 1/4"
	70911040	2	NUT, 1/4"NF
4	70071800	2	BUSHING
5	70068865	2	GASKET
6	-----	1	THROTTLE HOUSING (Not serviced separately)
7	70648560	1	DRUM
8	70069996	2	WASHER, spacing
9	70068861	1	BAND ASSY. (Includes item 10)
	70904020	1	PIN, cotter, 1/16" x 1"
	70068862	1	CAPSCREW, drill-hd., 1/4"NC x 2"
	70901150	1	NUT, 1/4"NC
10	70068864	1	LINING
11	70068869	1	PIN, band attaching
12	70069349	2	COLLAR
13	70068911	1	SPRING, adjusting



ENGINE SHUT-OFF CONTROL

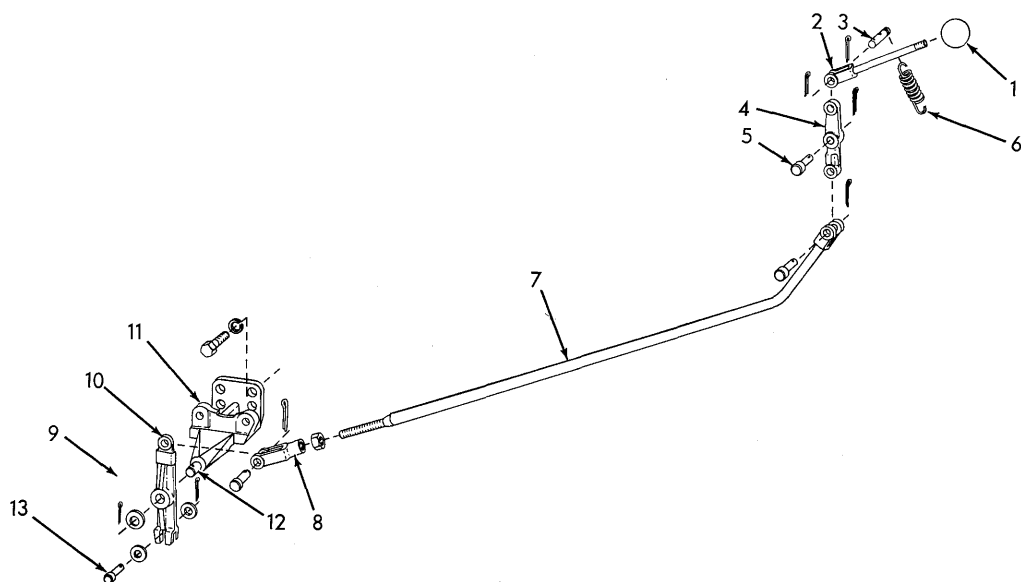
T-70948

ENGINE SHUT-OFF CONTROL

USAGE: Tractors equipped with special Ground Speed Governor

ITEM PART NO. QTY. DESCRIPTION

1	70659075	1	KNOB, shut-off rod	
2	70624582	1	ROD, upper	
	70911048	2	NUT, jam, 3/8"NF	
3	70088566	1	PIN, yoke, upper rod	
	70900942	2	PIN, cotter, 3/32" x 5/8"	
4	70088428	1	SPRING, retracting	
5	70631731	1	BELLCRANK ASSEMBLY (Includes items 6 and 7)	
6	70624584	1	BUSHING, bellcrank (1/2"O. D.)	
7	70624585	1	BUSHING, bellcrank (3/8"O. D.)	
8	70043021	1	BEARING, needle, bellcrank	} Used prior to tractor #20211
9	70096921	2	SEAL, bellcrank	
10	70098813	1	PIN, pivot, bellcrank	
	70910967	1	PIN, cotter, 1/8" x 7/8"	
11	70628738	4	PIN, yoke	
	70900970	4	PIN, cotter, 1/16" x 1/2"	
12	70628737	4	YOKE, control rod	
13	70624619	1	ROD, intermediate	
	70911040	2	NUT, 1/4"NF	
14	70624576	1	LEVER ASSEMBLY, cross shaft, right (Includes item 16)	
15	70916279	1	CAPSCREW, 5/16"NC x 1-1/2"	
	70904205	1	LOCKWASHER, 5/16"	
	70911025	1	NUT, 5/16"NC	
16	70624585	2	BUSHING, cross shaft lever	
17	70624579	1	SHAFT, cross	
	70921396	2	KEY, #213 woodruff, 1/8" x 3/8"	
	70910244	1	WASHER, plain, SAE std., 1/2"	
18	70624576	1	LEVER ASSEMBLY, cross shaft, left (Includes item 16)	
19	70916279	1	CAPSCREW, 5/16"NC x 1-1/2"	
	70904205	1	LOCKWASHER, 5/16"	
	70911025	1	NUT, 5/16"NC	
20	70624606	1	BRACKET, supporting, cross shaft	
21	70035073	3	CAPSCREW, 1/2"NF x 1-3/4" (Early units)	
	70916313	3	CAPSCREW, 1/2"NC x 1-3/4" (Late units)	
	70904208	3	LOCKWASHER, 1/2"	
22	70096921	2	SEAL, cross shaft bracket	
23	70043021	2	BEARING, needle, cross shaft bracket	
24	70629623	1	ROD, lower	
	70661975	1	ROD, lower (For units with dozer hydraulic tilt only)	
	70911040	2	NUT, 1/4"NF	

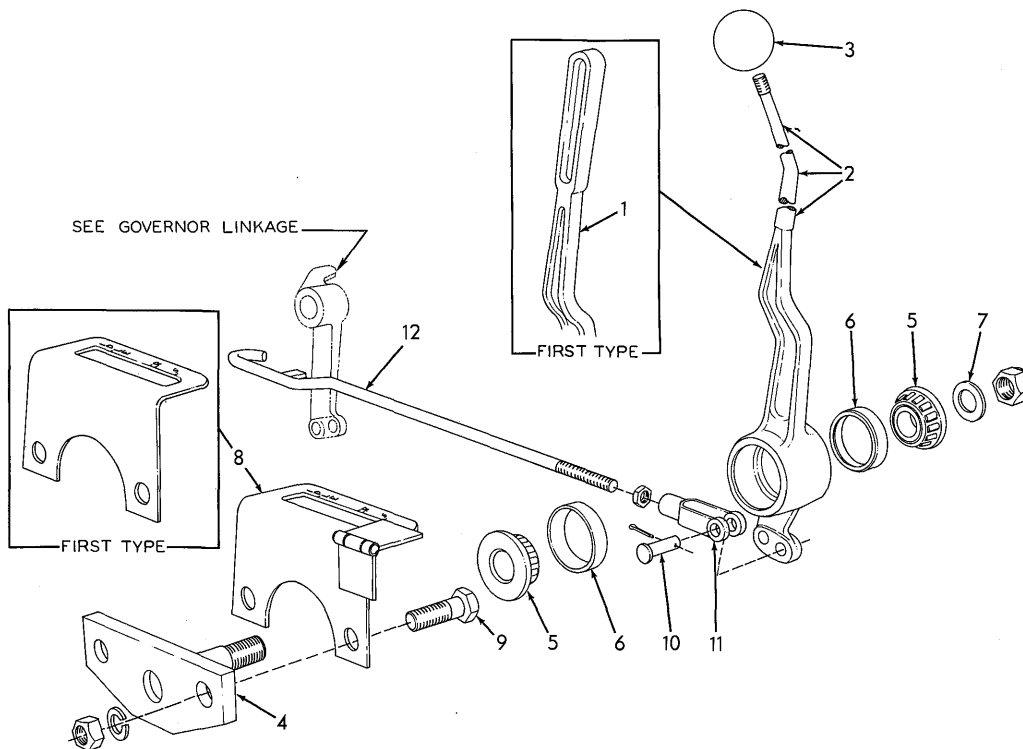


T-79245

ENGINE SHUT-OFF CONTROLS

USAGE: Tractor serial No. 88Y23314 and up not equipped with special Ground Speed Governor.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70659075	1	KNOB, shut-off rod
2	70094289	1	ROD, shut-off
3	70088566	1	PIN, rod shut-off
	70918448	2	PIN, cotter, 3/32" x 1"
4	70094285	1	BELLCRAN, upper
5	70098813	1	PIN, pivot bellcrank
	70910967	1	PIN, cotter, 1/8" x 7/8"
6	70088428	1	SPRING, retracting
7	70647939	1	ROD, control
	70911048	1	NUT, jam, 3/8"NF
8	70628736	1	YOKE, control rod
9	70078810	2	PIN, yoke
	70918448	2	PIN, cotter, 3/32" 1"
10	70094987	1	BELLCRANK, lower
	70910244	1	WASHER, plain
	70910967	1	PIN, cotter, 1/8" x 7/8"
11	70094997	1	BRACKET ASSY. (Includes item 12)
	70920574	2	CAPSCREW, 1/2"NC x 1-3/8"
	70912441	2	LOCKWASHER, 1/2"
12	70094998	1	PIN, bracket
13	70088470	1	PIN, bellcrank
	70911114	2	WASHER, plain
	70900970	1	PIN, cotter, 1/16" x 1/2"



HAND THROTTLE

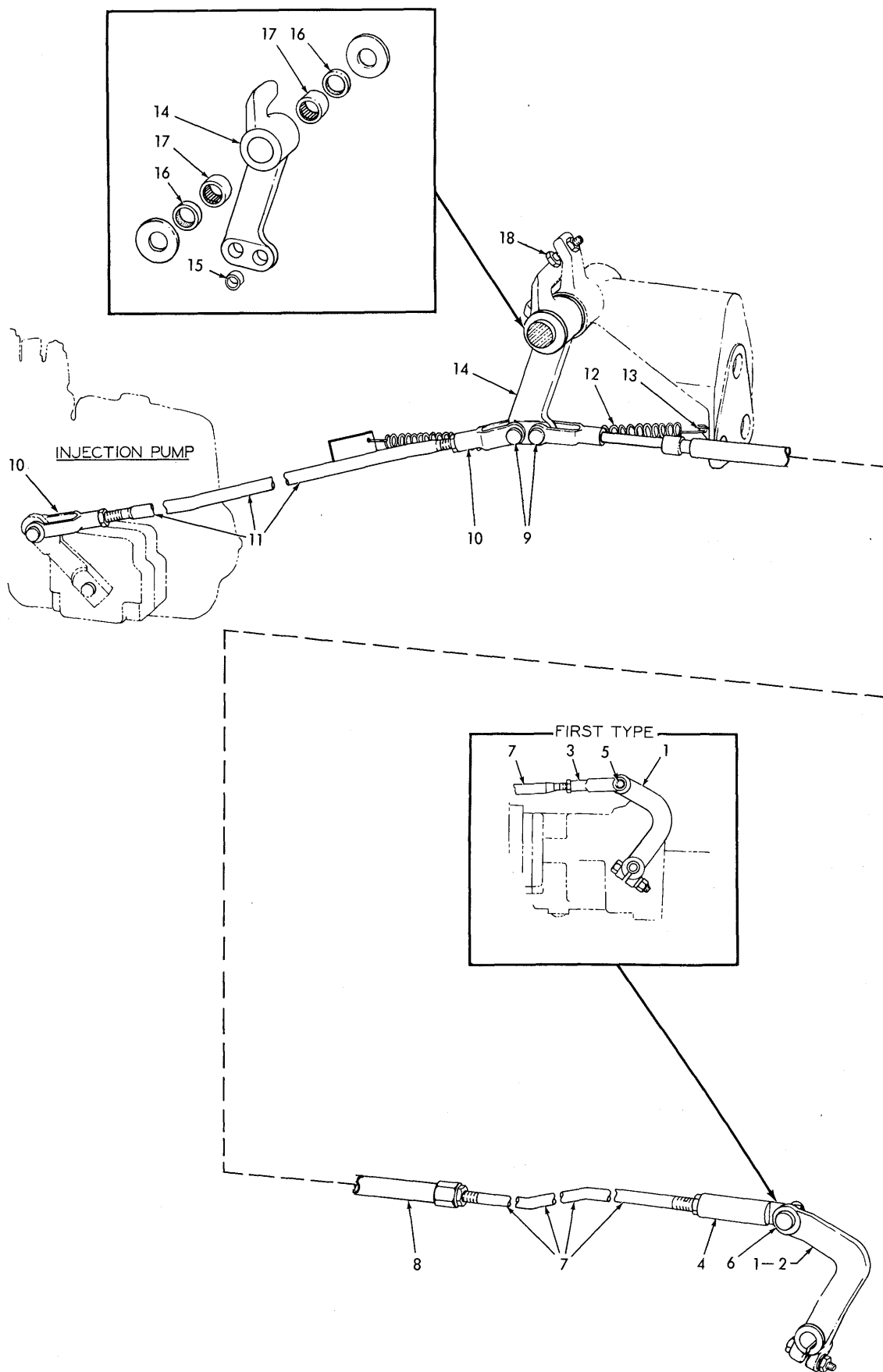
T-70945

USAGE: Tractors equipped with special Ground Speed Governor

* Tractors prior to serial No.19697

** Tractors serial No.19697 and up

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	70630072	1	-	LEVER, operating
2	70639741	-	1	LEVER, operating
3	70090020	-	1	KNOB, operating lever
4	70630083	1	1	SHAFT, friction
	70916589	1	1	NUT, elastic stop, 5/8"NF
5	70624603	2	2	CONE ASSEMBLY, friction shaft bearing
6	70328002	2	2	CUP, bearing
7	70603380	1	1	WASHER, bearing retaining
8	70630080	1	-	GUIDE, operating lever
	70638175	-	1	GUIDE, operating lever
9	70916313	2	2	CAPSCREW, 1/2"NC x 1-3/4"
	70904208	2	2	LOCKWASHER, 1/2"
	70911028	2	2	NUT, 1/2"NC
10	70078810	1	1	PIN, control rod yoke
	70900942	1	1	PIN, cotter, 3/32" x 5/8"
11	70628736	1	1	YOKE, control rod
12	70630085	1	-	ROD, control
	70639748	-	1	ROD, control
	70911041	1	1	NUT, 3/8"NF



GOVERNOR LINKAGE

T-71202

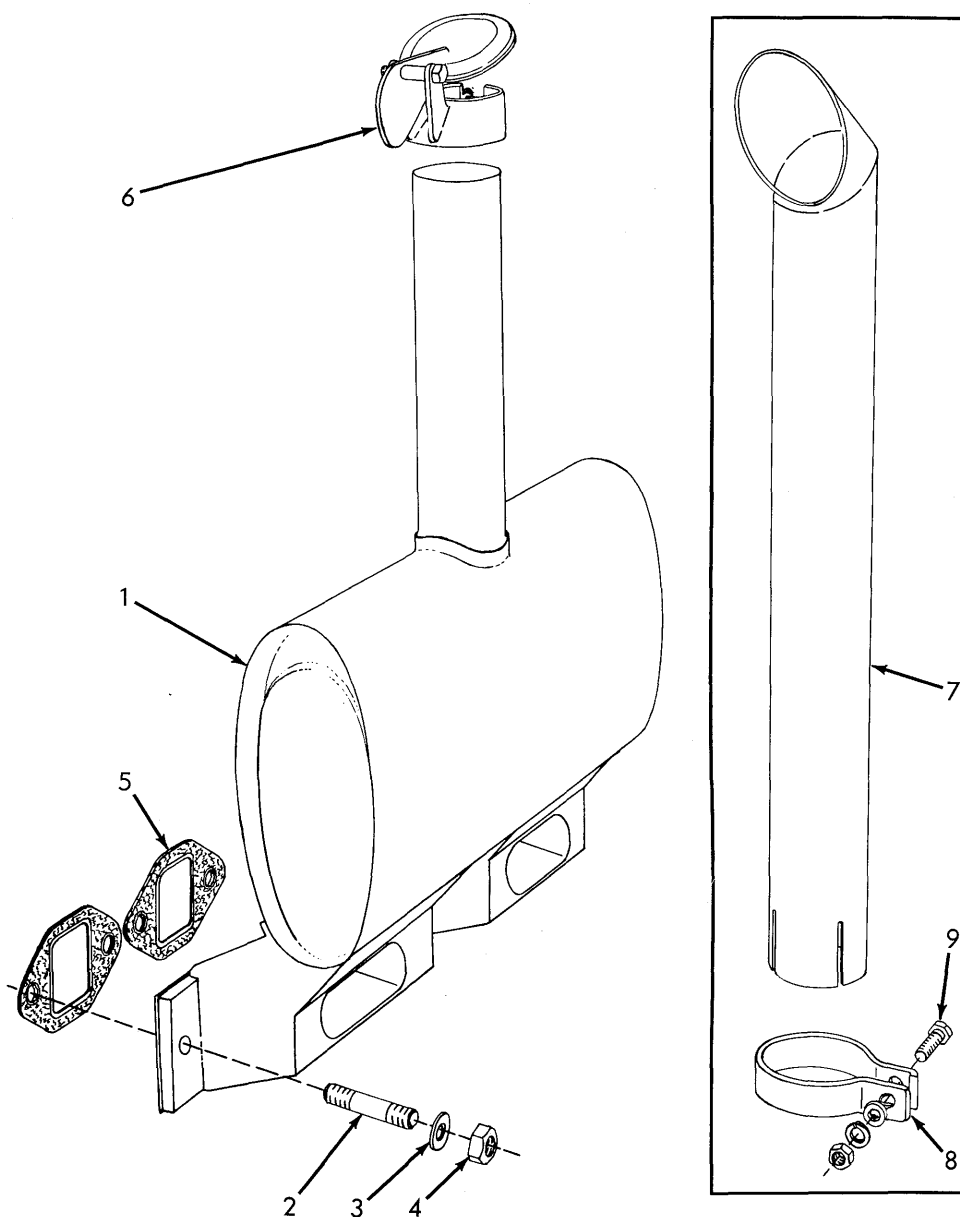
GOVERNOR LINKAGE

USAGE: Standard on tractors prior to serial No. 88Y23314; Special thereafter

* Tractors prior to serial No. 16007

** Tractors serial No. 16007 and up

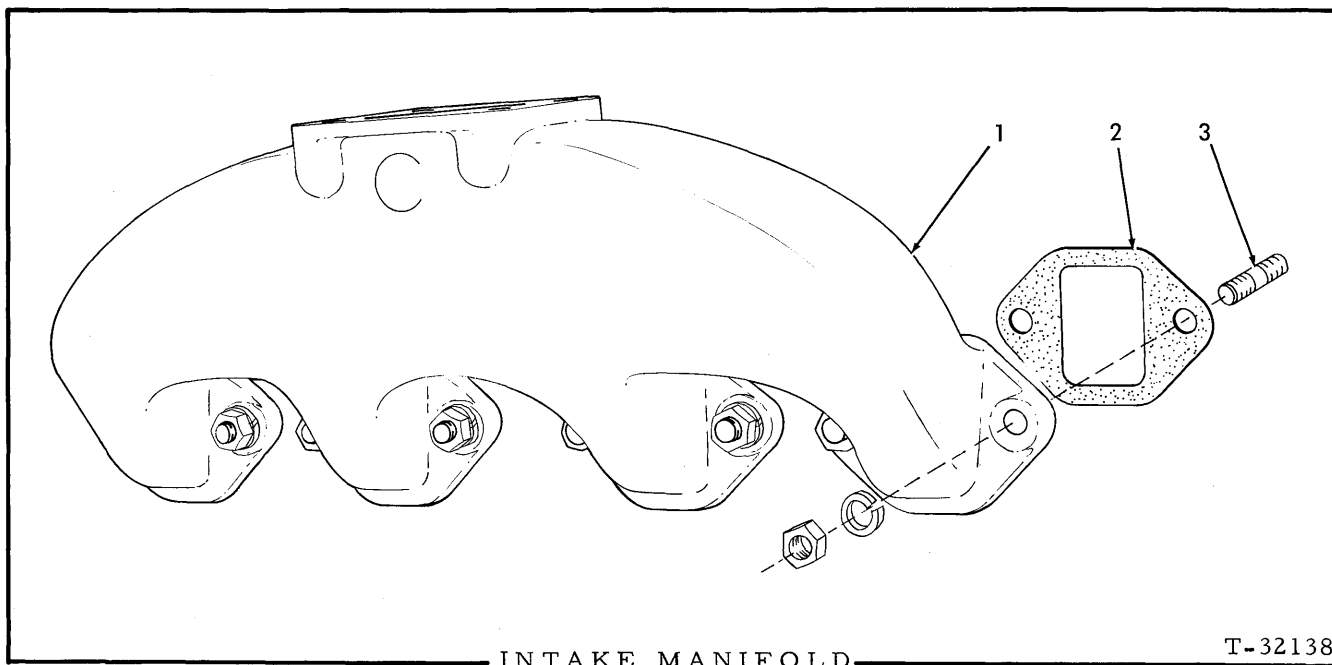
ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	70624596	1	1	LEVER ASSEMBLY, governor (Includes item 2)
	70918237	1	1	CAPSCREW, 1/4"NC x 1-1/4"
	70904204	1	1	LOCKWASHER, 1/4"
	70911024	1	1	NUT, 1/4"NC
2	70624585	1	1	BUSHING, governor lever
3	70628737	1	-	YOKE, rear control rod
4	70635045	-	1	ADAPTER, rear control rod
5	70628738	1	-	PIN, rear control rod yoke
	70900970	1	-	PIN, cotter, 1/16" x 1/2"
6	70628738	-	1	PIN, rear control rod adapter
	70900970	-	1	PIN, cotter, 1/16" x 1/2"
	70911114	-	1	WASHER, plain, SAE std., 1/4"
7	70624786	1	-	ROD, control, rear
	70911040	2	-	NUT, jam, 1/4"NF
	70632423	-	1	ROD, control, rear
	70911048	-	2	NUT, jam, 3/8"NF
8	70630036	1	-	OVER-TRAVEL ASSEMBLY (Serviced only as a unit)
	70631698	-	1	OVER-TRAVEL ASSEMBLY (Serviced only as a unit)
9	70628738	3	3	PIN, yoke
	70900970	3	3	PIN, cotter, 1/16" x 1/2"
10	70628737	2	2	YOKE, front control rod
11	70624580	1	1	ROD, control, front
	70911040	2	2	NUT, 1/4"NF
12	70621614	1	1	SPRING, retracting
13	70624583	1	1	ANGLE, retracting spring
14	70624578	1	1	LEVER ASSEMBLY, cross shaft (Includes item 15)
	70910244	2	2	WASHER, plain, SAE std., 1/2"
15	70624585	2	2	BUSHING, cross shaft lever
16	70096921	2	2	SEAL, cross shaft lever
17	70043021	2	2	BEARING, needle, cross shaft lever
18	70094290	2	2	CAPSCREW, stop adjustment
	70911026	2	2	NUT, 3/8"NC



T-24208

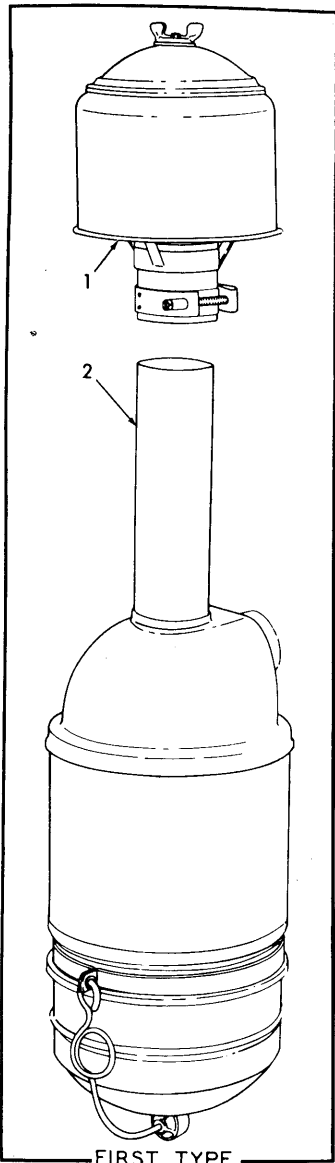
MUFFLER

ITEM	PART NO.	QTY.	DESCRIPTION
1	70099964	1	MUFFLER, exhaust
2	74346208	8	STUD
3	74371107	8	WASHER, plain
4	74253270	8	NUT
5	74338511	4	□GASKET, muffler to cylinder head
NOTE: The following items are Special Equipment			
6	70068963	1	RAINCAP, exhaust pipe
7	70077250	1	SHIELD, rain, exhaust pipe
8	70654044	1	CLAMP, exhaust pipe rain shield
9	70203188	1	CAPSCREW, 3/8"NF x 1-1/2"
	70900817	1	WASHER, plain, U.S. std., 3/8"
	70904206	1	LOCKWASHER, 3/8"
	70911041	1	NUT, 3/8"NF

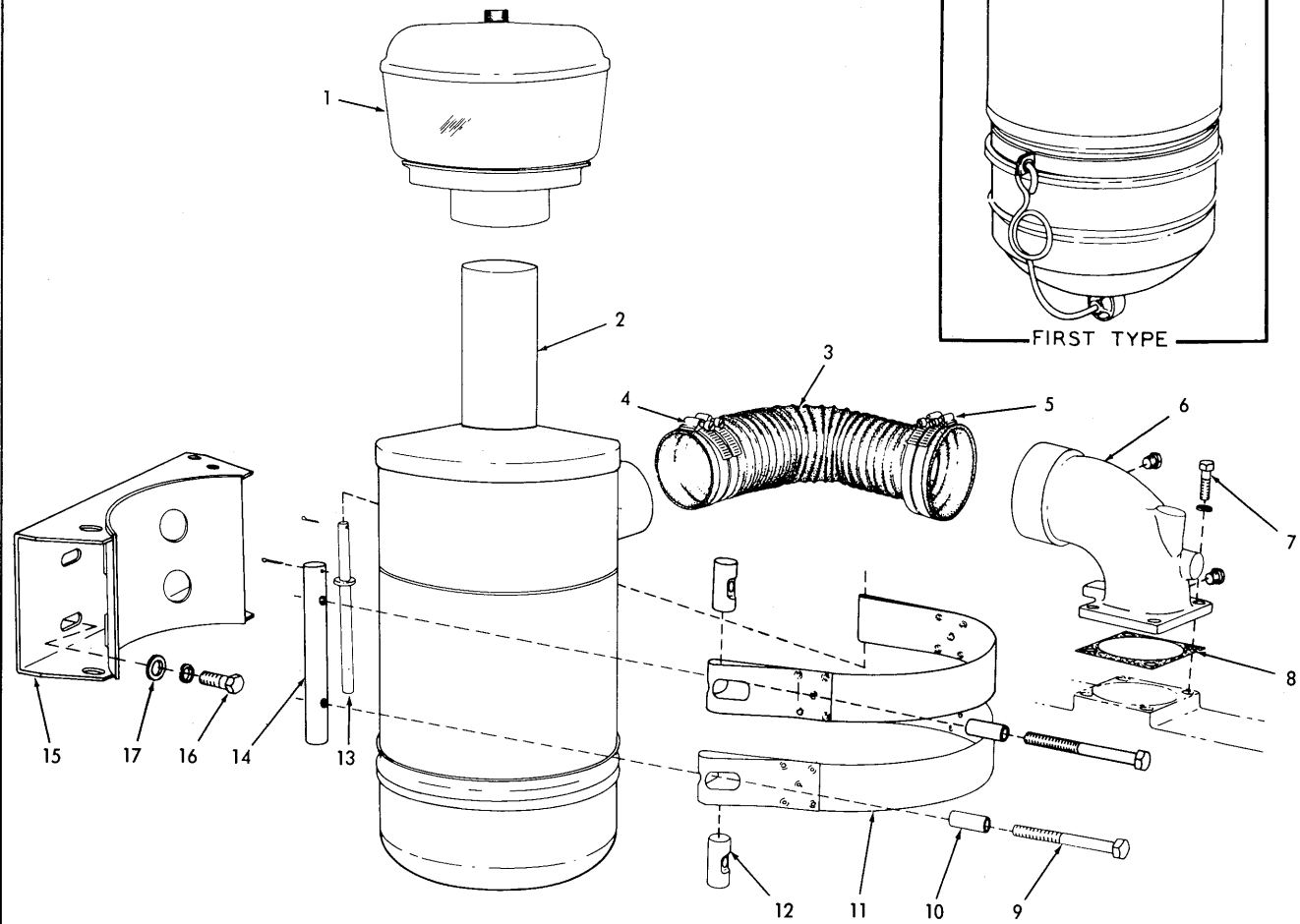


ITEM	PART NO.	QTY.	DESCRIPTION
1	74359943	1	MANIFOLD, intake
2	74346138	4	□ GASKET, intake manifold
3	74339726	1	STUD, manifold attaching (Also attaches injection line bracket)
	74346208	7	STUD, manifold attaching
	70904208	8	LOCKWASHER, 1/2"
	70910325	8	NUT, 1/2"NC

□ Also see PACKAGED PARTS



FIRST TYPE



AIR CLEANER (Oil-bath)

T-32131

AIR CLEANER
(Oil-bath)

USAGE: Standard equipment on tractors prior to serial No. 16007; optional thereafter. See page 81 for dry-type.

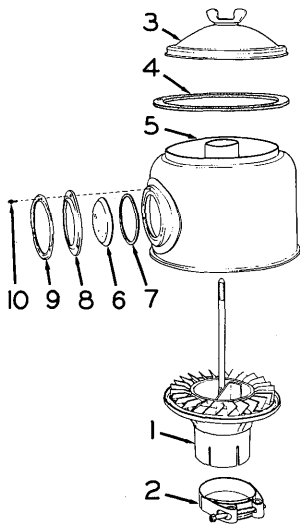
ITEM	PART NO.	QTY.	DESCRIPTION
1	70044961	1	PRE-CLEANER ASSEMBLY, air ("United." See page 78 for parts) (Used prior to September 1966)
	70655289	1	PRE-CLEANER ASSEMBLY, air ("Donaldson." See page 79 for parts)(Effective September 1966)
2	70085999	1	CLEANER ASSEMBLY, air ("United." See page 78 for parts) (Used prior to September 1966)
	70655290	1	CLEANER ASSEMBLY, air ("Donaldson." See page 79 for parts) (Effective September 1966)
3	70628210	1	HOSE, corrugated
4	70921915	2	CLAMP, air hose, rear
5	70921916	2	CLAMP, air hose, front
6	70622432	1	ELBOW, air intake (Also see page 87 for special elbow used with Air Heater)
	70919134	1	PLUG, pipe, hex-hd., 1/8"NPT
	70919840	1	PLUG, pipe, hex-hd., 1/4"NPT (Not used when Engine Primer is installed)
7	70035733	4	CAPSCREW, 1/2"NC x 1-3/8"
	70904208	4	LOCKWASHER, 1/2"
8	70084868	1	GASKET, air intake elbow
9	70086238	2	CAPSCREW, air cleaner mounting band
10	70053667	2	SPACER, mounting band capscrew
11	70086239	2	BAND, air cleaner mounting
12	70050735	2	PIN, mounting band (short)
13	70085973	1	PIN, mounting band
	70900805	1	PIN, cotter, 1/8" x 3/4"
14	70085974	1	PIN, mounting band (long)
	70900807	1	PIN, cotter, 1/8" x 1-1/4"
15	70628048	1	SADDLE, air cleaner
16	70036034	4	CAPSCREW, 3/8"NF x 1" (Early units)
	70035439	4	CAPSCREW, 3/8"NC x 1" (Late units)
	70904206	4	LOCKWASHER, 3/8"
17	70044973	4	WASHER, plain

NOTE: See PAINTING AND MARKING for transfers applied to air cleaner and pre-cleaner

AIR PRE-CLEANER ASSEMBLY 70044961

USAGE: See page 77

ITEM	PART NO.	QTY.	DESCRIPTION
1	70044252	1	BODY
2	70065412	1	CLAMP ASSY. (Includes screw and nut)
3	70044255	1	CAP ASSY. (Includes wing nut)
4	70044256	1	GASKET, cap
5	70044918	1	SHELL ASSY. (Includes items 6 thru 10)
6	70043860	1	GLASS, shell window
7	70043852	1	GASKET, shell window glass
8	70043853	1	RETAINER, shell window glass
9	70043991	1	RING, shell window glass retainer
10	70043856	3	SCREW ASSY. (Includes lockwasher)

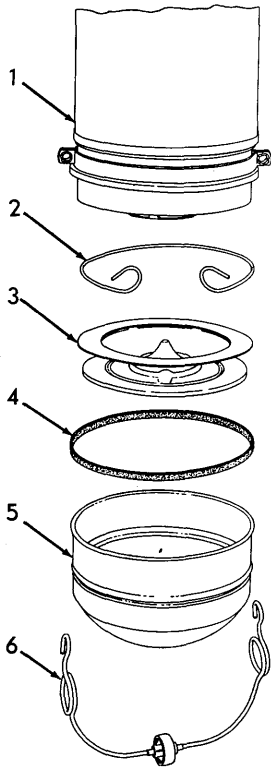


T-1966

AIR CLEANER ASSEMBLY 70085999

USAGE: See page 77

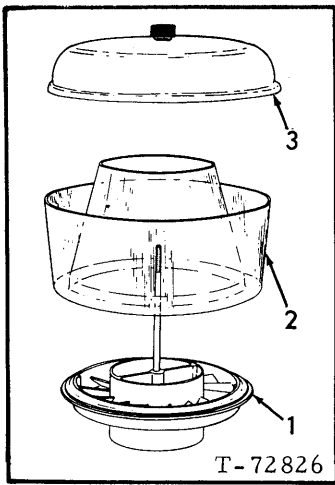
1	-----	1	BODY (Not serviced)
2	70041866	1	RING, baffle retaining
3	70088080	1	BAFFLE, oil
4	70041869	1	GASKET, oil cup
5	70088081	1	CUP, oil
6	70041868	1	BAIL ASSY., oil cup (Includes roller)



T-17442

AIR PRE-CLEANER ASSEMBLY 70655289

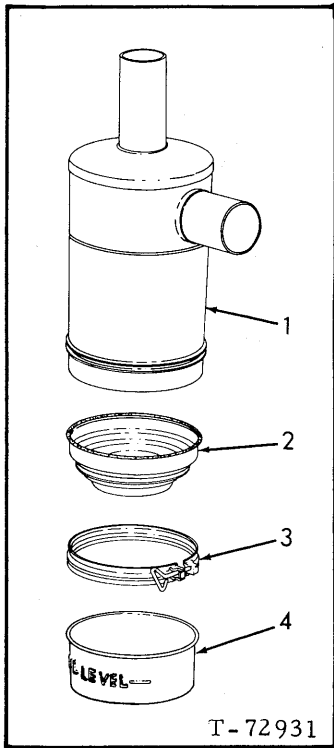
USAGE: See page 79



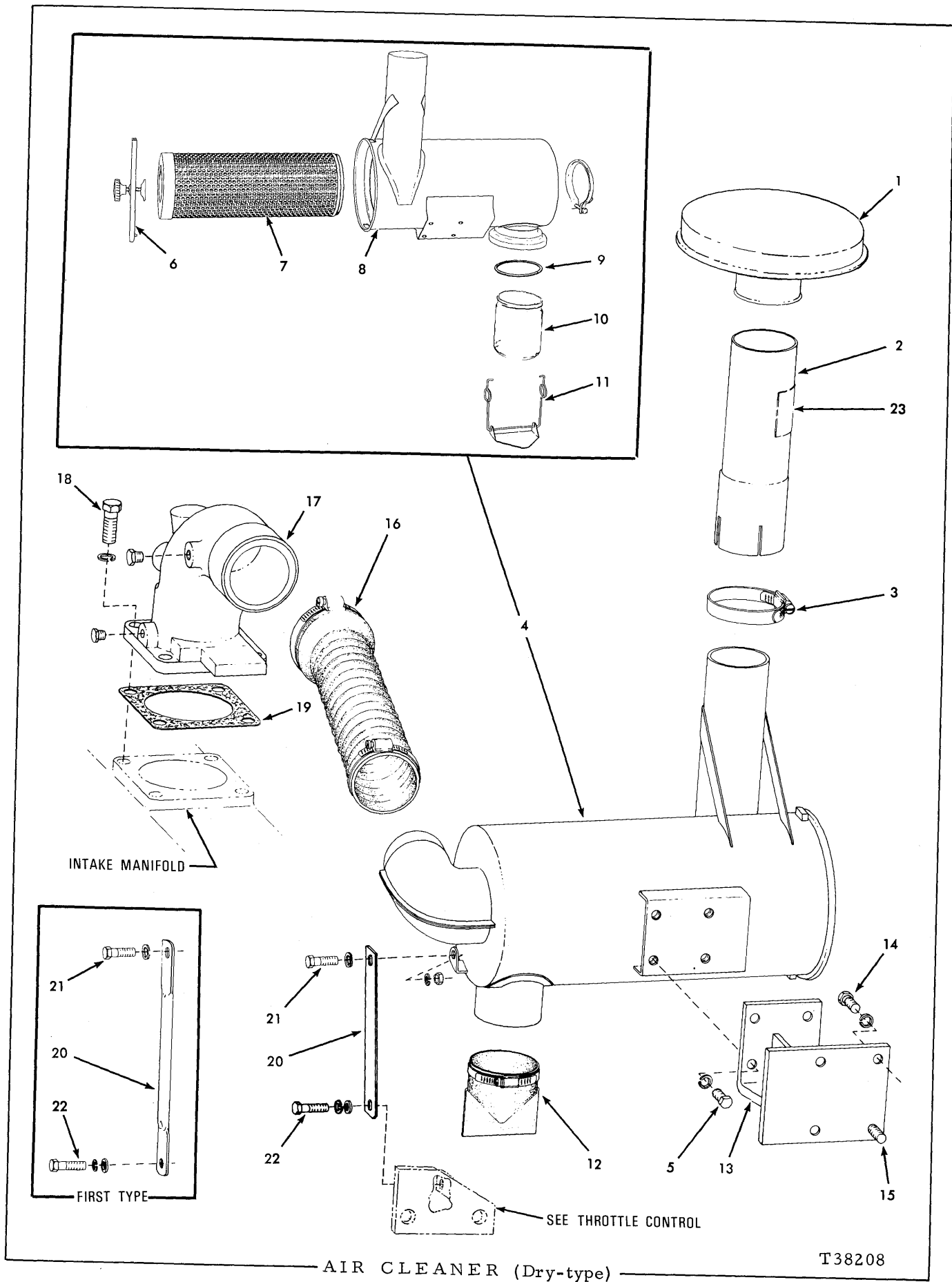
ITEM	PART NO.	QTY.	DESCRIPTION
1	70657284	1	SLEEVE ASSY. (Includes stud)
2	70629117	1	BOWL
3	70629118	1	COVER ASSY. (Includes nut)

AIR CLEANER ASSEMBLY 70655290

USAGE: See page 79



1	-----	1	BODY (Not serviced separately)
2	74056634	1	CUP, inner
3	70239625	1	CLAMP ASSY. (Includes screw)
4	74056635	1	CUP, outer



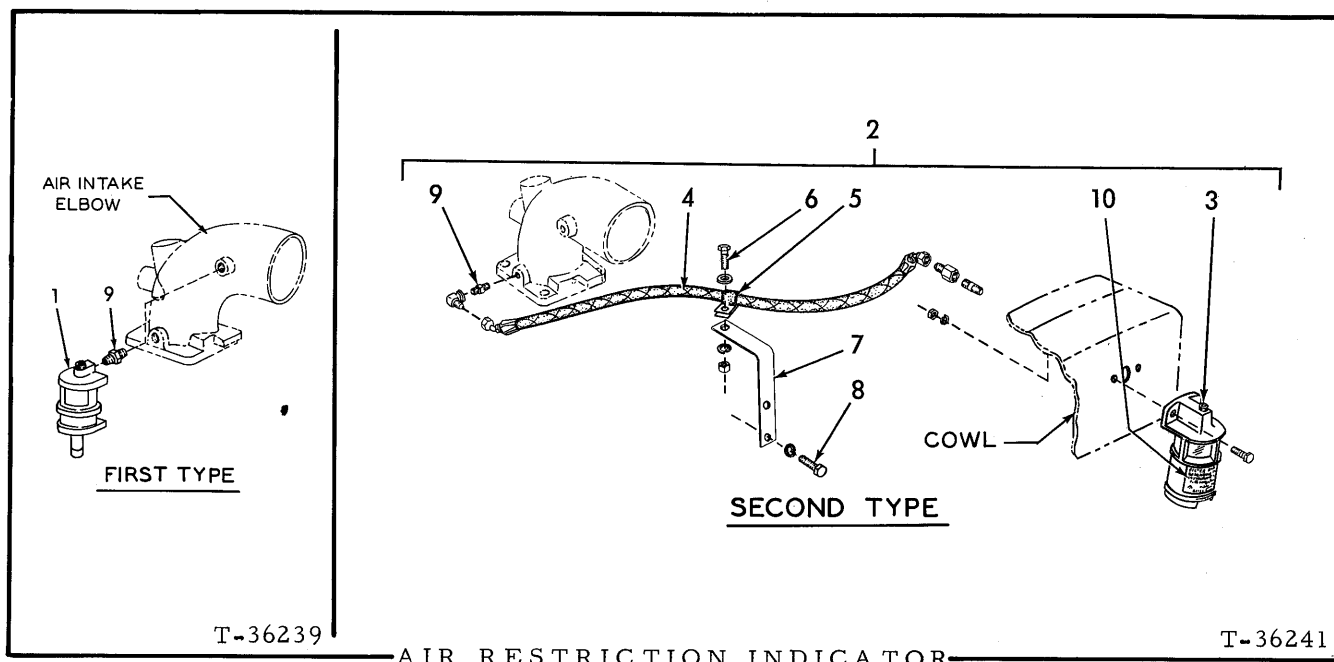
AIR CLEANER (Dry-type)

USAGE: Standard equipment on tractors serial No. 16007 and up. Optional on prior units.

ITEM	PART NO.:	QTY.	DESCRIPTION
1	70623683	1	CAP, rain
2	70623675	1	TUBE, air inlet
3	70921914	1	CLAMP, air inlet tube
4	70633139	1	CLEANER ASSY. air (Items 6 thru 12)
5	70036034	4	CAPSCREW, 3/8"NF x 1"
	70904206	4	LOCKWASHER, 3/8"
6	70624077	1	BAR ASSY., element retaining (Serviced only as a unit)
7	70235449	1	ELEMENT ASSY., filter (Serviced only as a unit)
8	-----	1	BODY (Not serviced separately)
9	-----	1	GASKET, dust jar
10	-----	1	JAR, dust (glass)
11	-----	1	BAIL ASSY., jar retaining
12	70631782	1	UNLOADER, sediment (Effective January 1962)
	70921914	1	CLAMP, hose, 2-5/16" x 3-1/4" diam.
13	70628337	1	BRACKET, mounting
14	{ 70036034	2	CAPSCREW, 3/8"NF x 1" (Early units)
	70035439	2	CAPSCREW, 3/8"NC x 1" (Late units)
	70012992	2	CAPSCREW, 3/8"NF x 1-1/4" (Early units)
15	{ 70916272	2	CAPSCREW, 3/8"NC x 1-1/4" (Late units)
	70922763	2	CAPSCREW, 3/8"NC x 1" (Units with 50
			amp alternator)
	70910287	4	LOCKWASHER, 3/8"
16	70628211	1	HOSE, corrugated
	70921916	1	CLAMP, hose, 3-13/16" to 4-3/4" diam. (front)
	70921915	1	CLAMP, hose, 2-13/16" to 3-3/4" diam. (rear)
17	70622432	1	ELBOW, air intake (Also see page 87 for elbow used with Air Heater)
	70919840	1	PLUG, pipe, hex-hd., 1/4"NPT (Not used when Engine Primer is installed)
	70919134	1	PLUG, pipe, hex-hd., 1/8"NPT (Not used when air restriction indicator is installed)
18	70035733	4	CAPSCREW, 1/2"NC x 1-3/8"
	70904208	4	LOCKWASHER, 1/2"
19	70084868	1	GASKET, elbow to manifold
	70633138	1	BRACE, air cleaner (Tractor #16007 thru #24309)
20	70676782	1	BRACE, air cleaner (Tractor unit #23410 and up)
21	70916271	1	CAPSCREW, 3/8"NC x 1"
22	70919224	1	CAPSCREW, 3/8"NC x 1-1/8"
	70904206	2	LOCKWASHER, 3/8"
	70044973	2	WASHER, plain
	70911026	1	NUT, 3/8"NC
23	-----	1	TRANSFER (See PAINTING AND MARKING)

Used prior to
January 1962.
Order item 12.

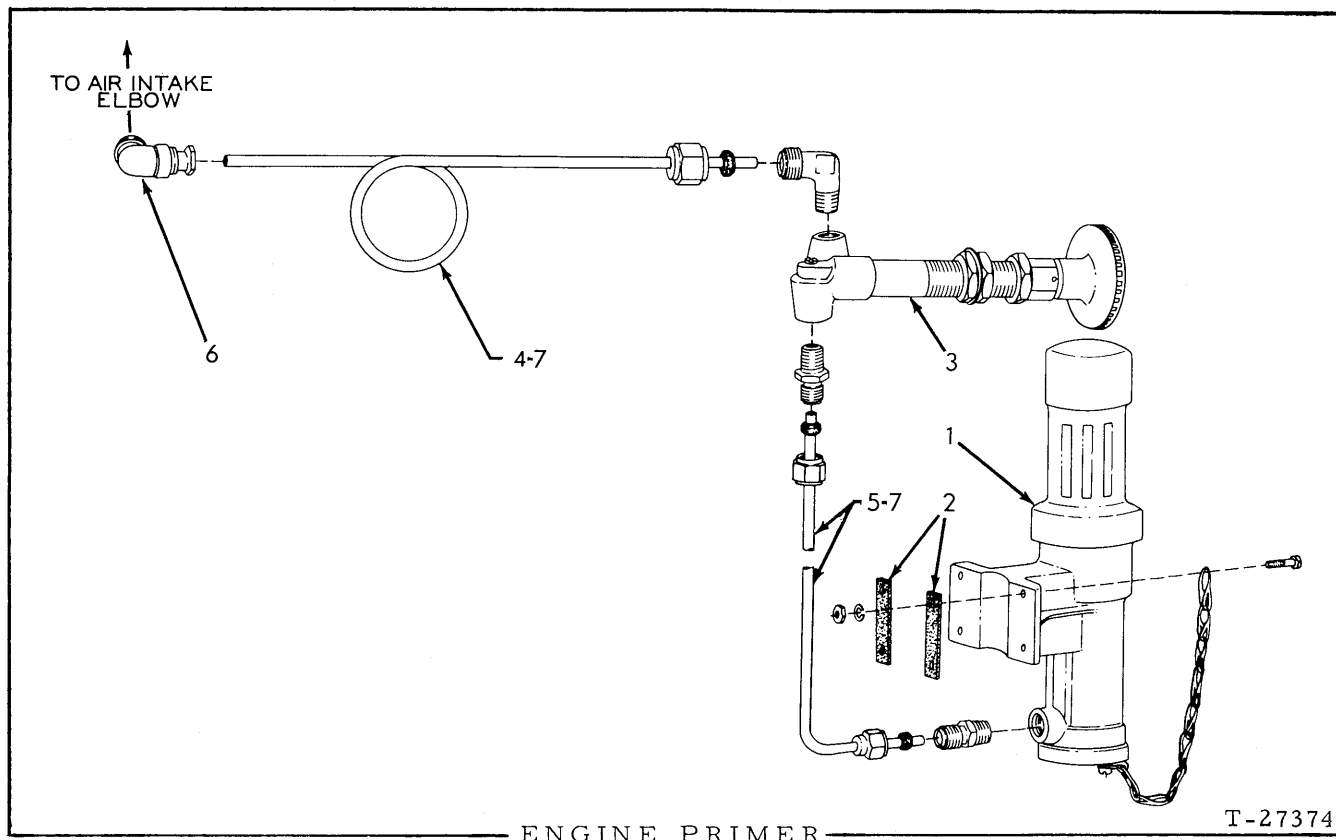
Also attach
Generator
Regulator
Bracket



USAGE: Special equipment. For use with dry-type air cleaner only.

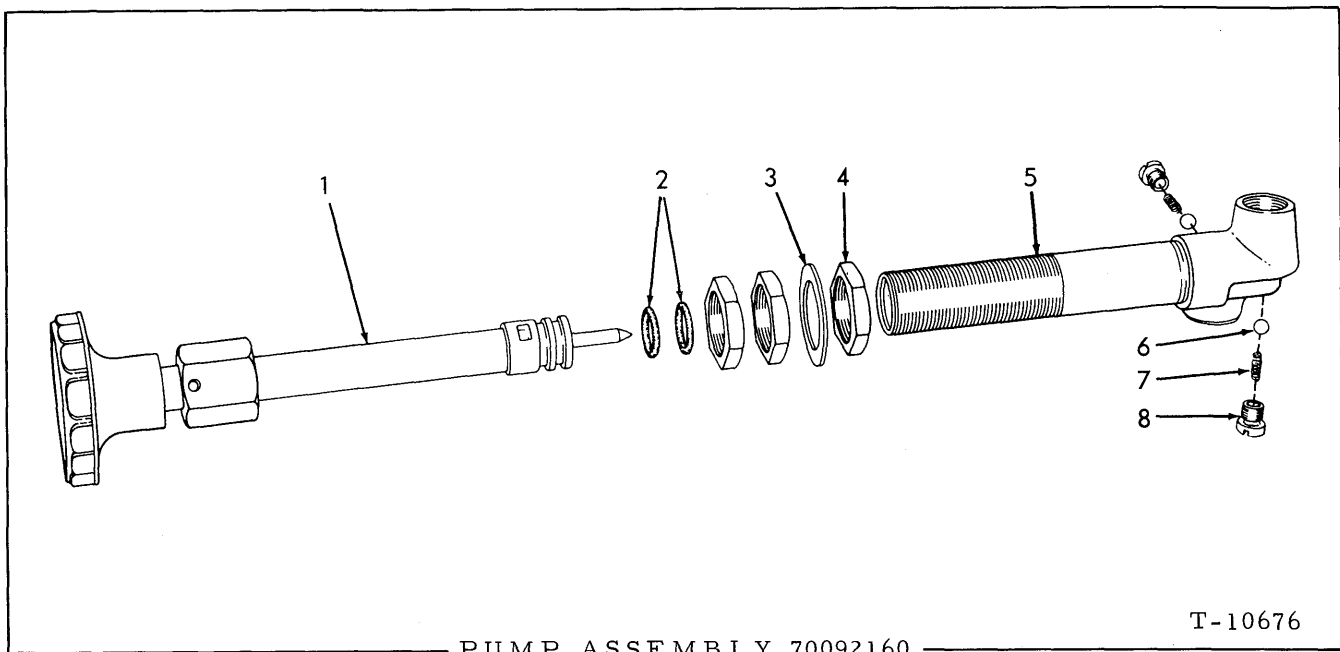
* First type. Mounted on air intake elbow
 ** Second type. Remote-mounted.

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	-----	1	-	INDICATOR ASSEMBLY (Order item 2)
2	70631917	-	1	INDICATOR KIT (Consists of items 3 thru 10)
3	70631564	-	1	INDICATOR only
	70912789	-	2	CAPSCREW, 1/4"NF x 3/4"
	70904204	-	2	LOCKWASHER, 1/4"
	70911040	-	2	NUT, 1/4"NF
4	70646842	-	1	HOSE (See HOSE PARTS)
	70919174	-	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT female
	70919249	-	1	ELBOW, flare type, 90°, 1/4" tube, 1/8"NPT female
	70904273	-	1	NIPPLE, pipe, 1/8"NPT x 1"
5	70644006	-	1	CLIP, hose supporting
6	70036032	-	1	CAPSCREW, 3/8"NF x 3/4"
	70911115	-	1	WASHER, plain, SAE std., 3/8"
	70904206	-	1	LOCKWASHER, 3/8"
	70911041	-	1	NUT, 3/8"NF
7	70632058	-	1	ANGLE, hose supporting
8	70036034	-	2	CAPSCREW, 3/8"NF x 1"
	70904206	-	2	LOCKWASHER, 3/8"
9	70622447	1	1	FITTING, safety (Includes filter)
10	70651894	-	1	TRANSFER, instruction



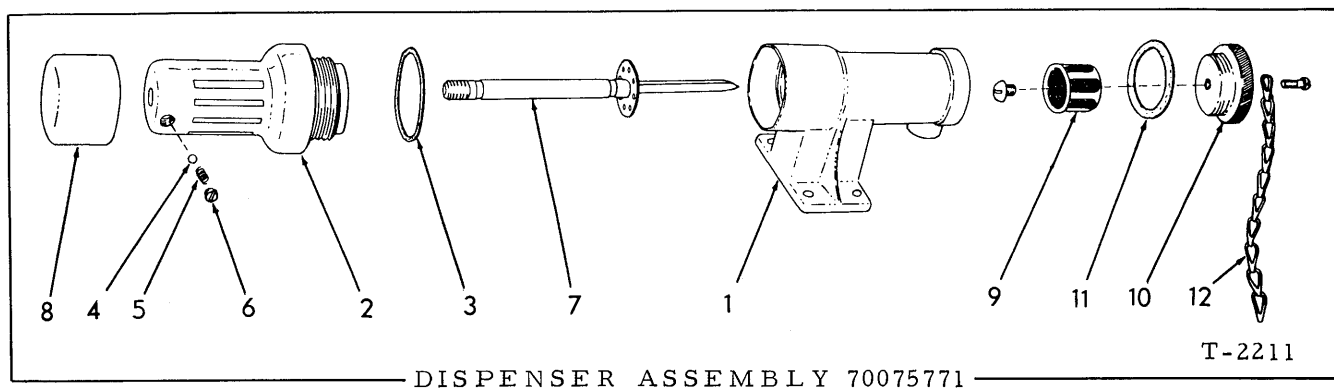
USAGE: Special equipment. For all units except those equipped with Air Heater.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70075771	1	DISPENSER ASSY., priming fuel (See page 85 for parts)
	70913706	4	CAPSCREW, #10-24NC x 1"
	70904203	4	LOCKWASHER, #10
	70901310	4	NUT, #10-24NC
2	70066261	6	GASKET, dispenser mounting
3	70092160	1	PUMP ASSY. (See page 84 for parts)
4	-----	1	TUBE (Order item 7)
	70915488	1	NUT, Sealastic, 1/8" tube
	70915486	1	RING, Sealastic, 1/8" tube (Includes ferrule)
	70915557	1	ELBOW, Sealastic, 1/8"NPT male
5	-----	1	TUBE (Order item 7)
	70915488	2	NUT, Sealastic, 1/8" tube
	70915486	2	RING, Sealastic, 1/8" tube (Includes ferrule)
	70915556	2	CONNECTOR, Sealastic, 1/8" tube, 1/8"NPT male
6	70066517	1	ELBOW ASSY., fuel spray (Includes nozzle, nut and sleeve. Serviced only as a unit)
7	70066253	-	TUBING, copper, 1/8" O. D., 10 ft. roll (Use as req'd)



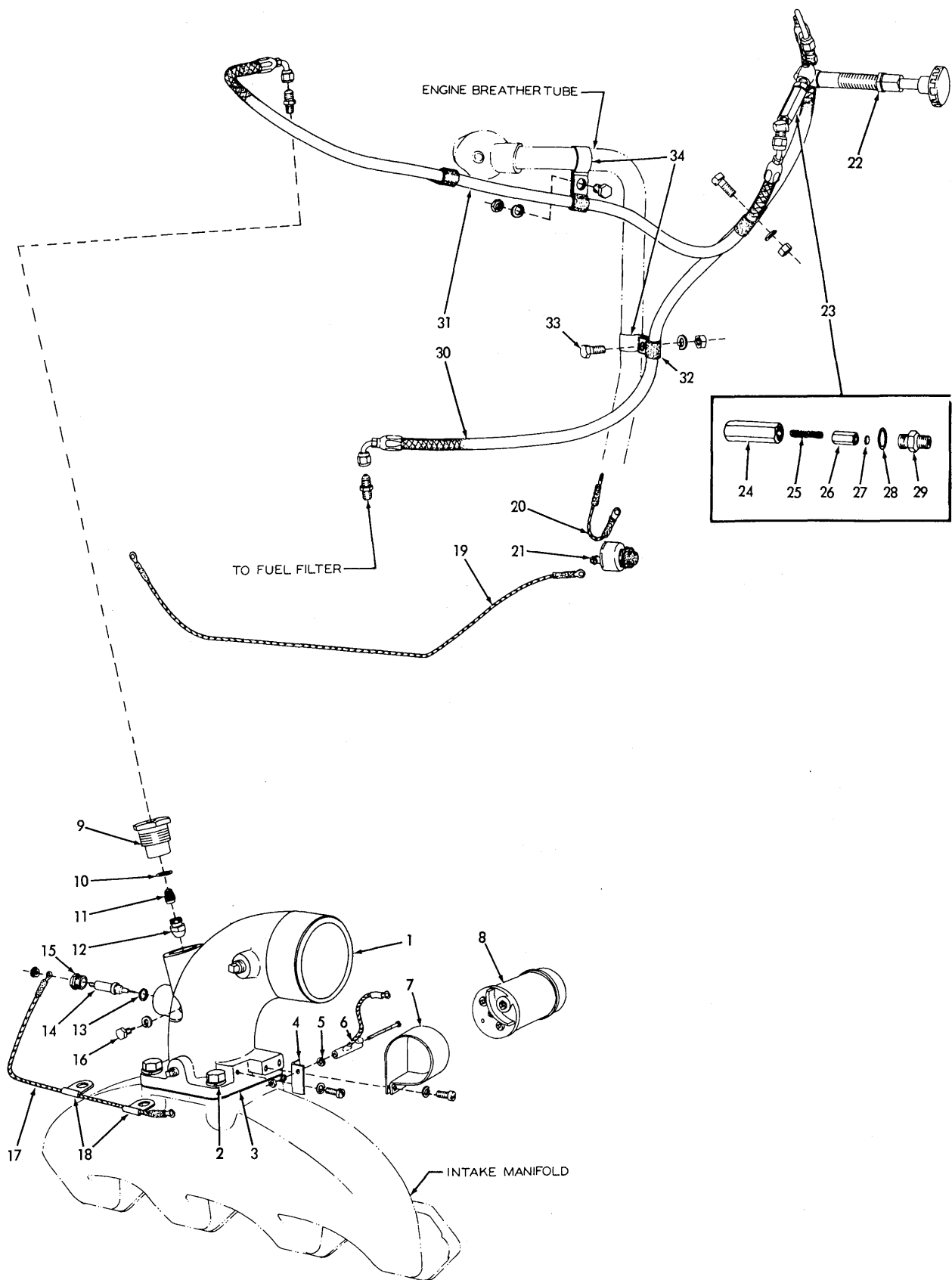
USAGE: See pages 83 and 87.

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



USAGE: See page 83.

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"



AIR HEATER (Model HD6E)

T-32145

AIR HEATER

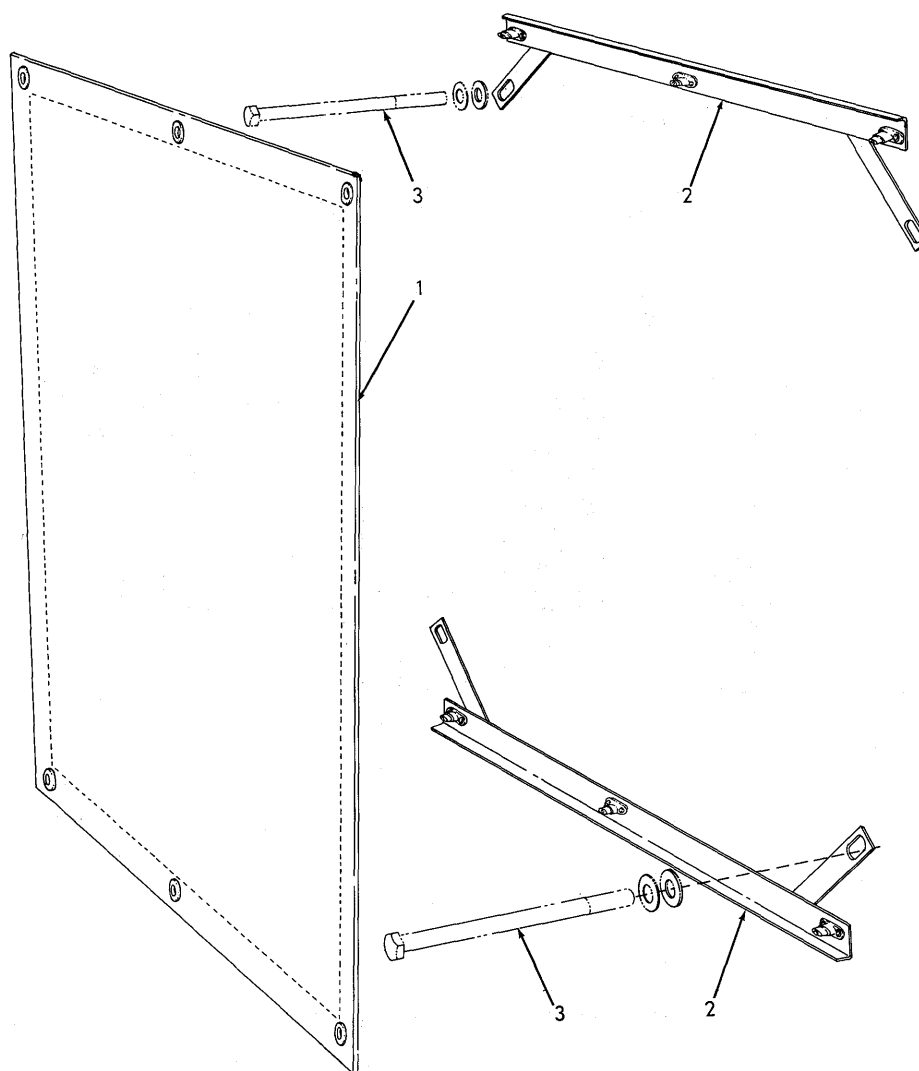
USAGE: Special Equipment. Cannot be installed on units equipped with Engine Primer.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70622433	1	ELBOW, air intake (Replaces standard ELBOW 70622432)
	70901651	1	PLUG, pipe, sq-hd., 1/8"NPT
	70901652	1	PLUG, pipe, sq-hd., 1/4"NPT
2	70035733	4	CAPSCREW, 1/2"NC x 1-3/8"
	70904208	4	LOCKWASHER, 1/2"
3	70084868	1	GASKET, air intake elbow
4	70644133	1	BRACKET, resistor mounting
	70912226	1	SCREW, machine, fil-hd., 1/4"NC x 5/8"
	70904204	1	LOCKWASHER, 1/4"
5	70631198	1	WASHER, insulating
6	70630830	1	RESISTOR
	70915922	1	SCREW, machine, #8-32 x 2-1/4"
	70915923	1	LOCKWASHER, external teeth, #8
	70907154	1	NUT, #8-32
7	70631199	1	BRACKET, ignition coil mounting
	70912226	2	SCREW, machine, fil-hd., 1/4"NC x 5/8"
	70904204	2	LOCKWASHER, 1/4"
8	70097026	1	COIL, ignition (Serviced only as a unit)
9	70088038	1	BUSHING, spray nozzle
10	70630787	1	WASHER, spray nozzle
11	70631225	1	STRAINER ASSEMBLY, spray nozzle (1 body and 1 screen)
12	70631224	1	NOZZLE ASSEMBLY, spray (Includes item 11)
13	70631566	1	GASKET, insulator
14	70631226	1	INSULATOR PACKAGE (Includes terminal nut and item 13)
15	70630828	1	NUT, insulator retaining
16	70630827	1	SCREW ASSEMBLY, electrode (1 screw and 1 electrode)
	70904204	1	LOCKWASHER, 1/4"
17	70074887	1	CABLE, coil to insulator
18	70223502	2	CLIP, cable supporting (3/16" diam., 17/32" bolt-hole)
19	70629178	1	CABLE, switch to coil
20	70051006	1	CABLE, air heater switch to light switch
21	70031337	1	SWITCH, push-button
22	70092160	1	PUMP ASSEMBLY (See page 84 for parts)
23	70094642	1	VALVE ASSEMBLY, check (Consists of items 24 thru 29)
24	70094890	1	BODY, check valve

(Continued)

AIR HEATER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
25	70048603	1	SPRING, check valve
26	70048608	1	PLUNGER, check valve
27	70048606	1	DISC, check valve
28	70630713	1	WASHER, check valve
29	70092793	1	CONNECTOR, check valve
30	70646267	1	HOSE, fuel filter to pump (See HOSE PARTS)
	70919171	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
	70919173	1	ELBOW, flare type, 90°, 1/4" tube, 1/8"NPT male
31	70646266	1	HOSE, pump to nozzle (See HOSE PARTS)
	70919171	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
	70919464	1	ELBOW, flare type, 45°, 1/4" tube, 1/8"NPT male
32	70094527	5	CLIP, hose supporting
33	70036032	3	CAPSCREW, 3/8"NF x 3/4"
	70904206	3	LOCKWASHER, 3/8"
	70911041	3	NUT, 3/8"NF
34	70097534	2	CLIP, hose supporting

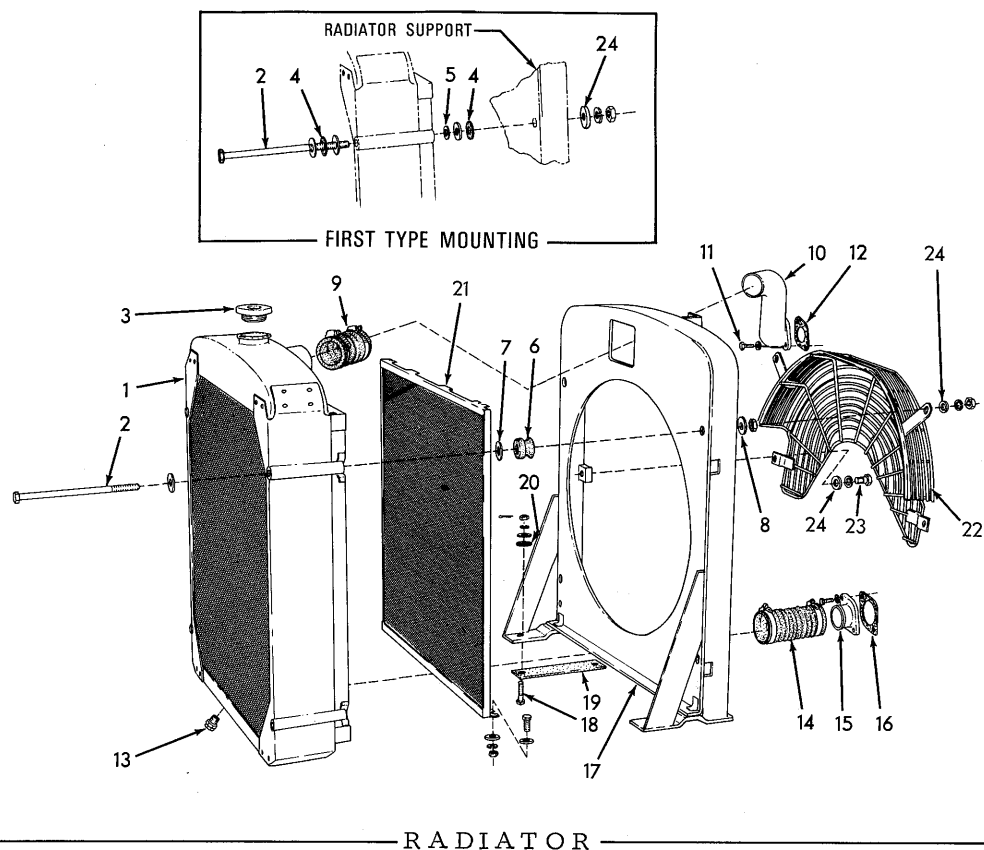


RADIATOR CURTAIN

T-33391

USAGE: Special Equipment. Applicable only to units equipped with special suction fan.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70627244	1	CURTAIN, radiator
2	70651148	2	BRACKET ASSEMBLY, curtain attaching (Includes fasteners)
3	-----	-	CAPSCREW (See RADIATOR)



T-32069

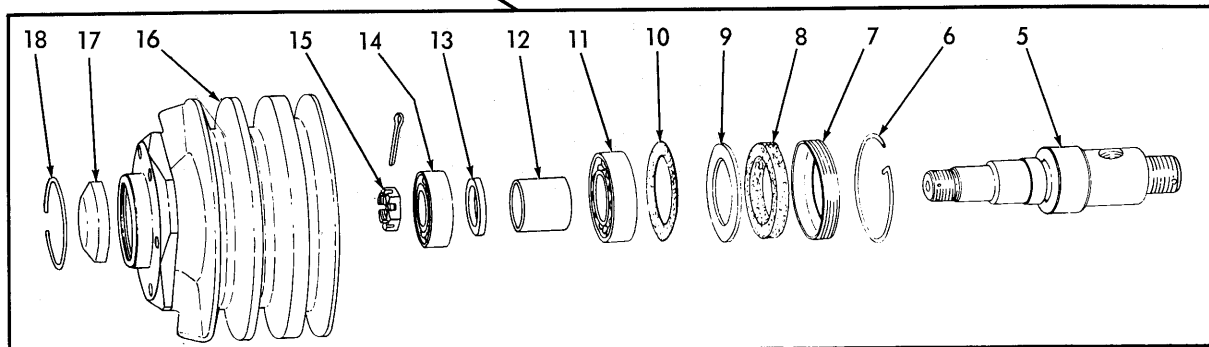
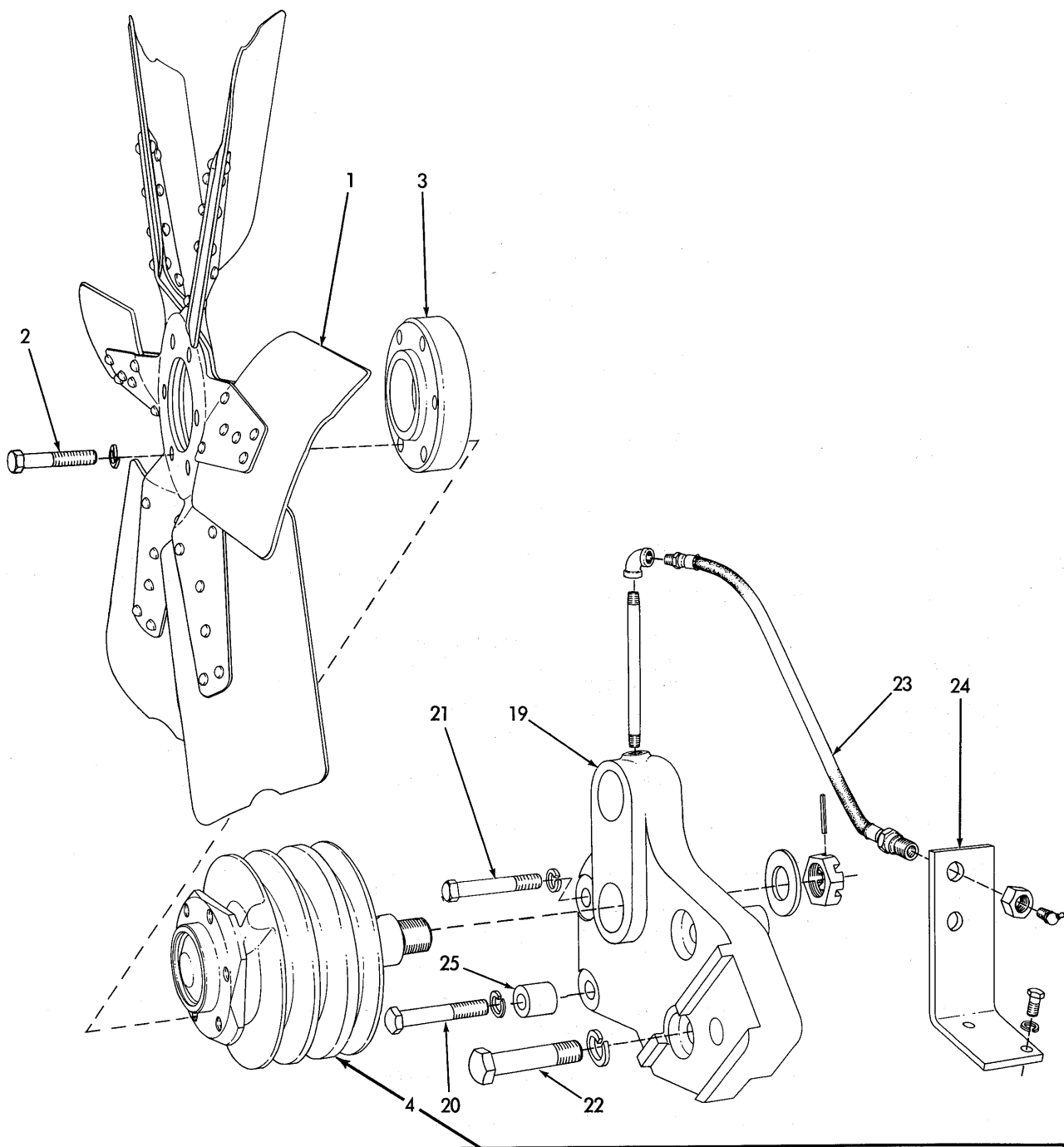
*Tractors prior to serial No. 19305
 **Tractors serial No. 19305 and up

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
1	-----	1 -	RADIATOR ASSY. (Includes item 3)(Order 70649418 and item 25)
	70655414	- 1	RADIATOR ASSY. (Includes item 3)(Standard)
	70649418	- 1	RADIATOR ASSY. (Includes item 3)(Optional. Has armored tubes at rear of core to resist abrasion)
2	70624432	4 2	CAPSCREW, 1/2"NF x 9"
	70093059	- 1	CAPSCREW, 1/2"NF x 8-1/2"
	70086596	- 1	CAPSCREW, 1/2"NF x 8"
	70904208	4 4	LOCKWASHER, 1/2"
	70900818	12 4	WASHER, plain, U.S. std., 1/2"
	70911043	4 4	NUT, 1/2"NF
	70913830	- 2	NUT, jam, 1/2"NC
3	70092028	1 -	CAP ASSY., 4 lb. pressure type (Used prior to tractor #16007)
	70087528	1 1	CAP ASSY., 7 lb. pressure type (Effective with tractor #16007)
4	70093054	8 -	WASHER, radiator mounting (rubber)
5	70916009	8 -	WASHER, radiator shimming (Use as required)
6	70642441	- 4	SNUBBER, vibration, radiator mounting
7	70919266	- 4	WASHER, vibration snubber (1-5/8" O. D.)
8	70914906	- 4	WASHER, vibration snubber (1-3/4" O. D.)

(Continued)

RADIATOR (Continued)

ITEM	PART NO.	QTY. * **		DESCRIPTION
9	70088349	1	1	HOSE, upper
	70921914	2	2	CLAMP, hose, 2-5/16" to 3-1/4" diam.
10	70624204	1	1	ELBOW, engine water outlet
11	70916254	2	2	CAPSCREW, 7/16"NC x 1"
	70904207	2	2	LOCKWASHER, 7/16"
12	74300145	1	1	□GASKET, water outlet elbow
13	70633519	1	1	COCK, radiator drain
14	70624433	1	1	HOSE, lower
	70921914	2	2	CLAMP, hose, 2-5/16" to 3-1/4" diam.
15	74347003	1	1	PIPE, engine water inlet
	70916271	2	2	CAPSCREW, 3/8"NC x 1"
	70904206	2	2	LOCKWASHER, 3/8"
16	74346456	1	1	□GASKET, water inlet pipe
17	70624333	1	-	SUPPORT, radiator
	70649239	-	1	SUPPORT, radiator
} Used only with special Heavy Radiator Guard				
18	70093061	4	4	CAPSCREW, drilled end, 1/2"NF x 2"
	70900818	4	4	WASHER, plain, U.S. std., 1/2"
	70916009	4	4	WASHER, shiming (1/32" thick. Use as required)
	70910867	4	4	NUT, slotted, 1/2"NF
	70900806	4	4	PIN, cotter, 1/8" x 1"
19	70093055	2	2	PAD, support mounting (rubber)
20	70093054	4	4	WASHER, support mounting (rubber)
21	70624213	1	1	SCREEN, radiator (Special. Used with push fan only)
	70912789	8	8	CAPSCREW, 1/4"NF x 3/4"
	70092635	16	16	WASHER, plain
	70904204	8	8	LOCKWASHER, 1/4"
	70911040	8	8	NUT, 1/4"NF
	70624464	1	1	SCREEN, radiator (Special. Used with suction fan. Mounts at front of radiator)(Not illustrated)
23	70646516	1	1	GUARD, fan (bar-type)(Standard)
	70634197	1	1	GUARD, fan (mesh-type)(Special)
23	70913249	2	2	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	2	2	LOCKWASHER, 1/2"
	70064531	4	4	WASHER, plain
25	70645765	-	1	MOUNTING KIT, radiator (Includes items 6 thru 8 and instructions for reworking radiator and radiator support for resilient mounting)(Not illustrated)



FAN

T-24138

FAN

*Standard.

**Special. For units equipped with dozer hydraulic tilt.

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
NOTE: See RADIATOR for fan guard. See FAN DRIVE for fan belt.			
1	70090154	1 1	FAN (Push type. Standard equipment)
	70090155	1 1	FAN (Suction type. Special equipment)
	70666515	1 1	FAN ASSY., reversible (Special equipment)(See page 95)
2	70919224	6 6	CAPSCREW, 3/8"NC x 1-1/8" (For push fan)
	70013059	6 6	CAPSCREW, 3/8"NC x 2" (For suction fan)
	70916269	6 6	CAPSCREW, 3/8"NC x 7/8" (For reversible fan)
	70904206	6 6	LOCKWASHER, 3/8"
3	70089018	1 1	SPACER, fan (7/8" thick)(For suction fan only)
	70649983	1 1	SPACER ASSY., fan (3/8" thick. Includes dowels)(For reversible fan on early units only)
4	74336520	1 -	HUB ASSY. (Consists of items 5 thru 18 and hardware indented below)(3-groove)
	70659843	- 1	HUB ASSY. (Consists of items 5 thru 18 and hardware indented below)(4-groove)(Units equipped with generator)
	74338816	- 1	HUB ASSY. (Consists of items 5 thru 18 and hardware indented below)(4-groove)(Units equipped with 50 amp alternator)
	70911174	1 1	NUT, jam, slotted, 1"NF (rear)
	70911159	1 1	WASHER, plain, SAE std., 1"
	70915946	1 1	PIN, spring, 5/32" x 1-1/4"
5	74336521	1 -	SPINDLE
	70659844	- 1	SPINDLE (Units equipped with generator)
	74338815	- 1	SPINDLE (Units equipped with 50 amp alternator)
6	74371707	1 1	LOCKWIRE, fan hub
7	74040386	1 1	RETAINER, spindle sealing washer
8	74040385	1 1	WASHER, spindle sealing (cork)
9	74040384	1 1	WASHER, retaining, rear bearing
10	74640976	1 1	GASKET, bearing retaining washer (Units equipped with generator)
	74371710	1 1	GASKET, bearing retaining washer (Units equipped with 50 amp alternator)
11	74253863	1 1	BEARING, ball, rear
12	74040383	1 1	SPACER, spindle bearings
13	74640978	1 1	WASHER, spacing, front bearing
14	74253862	1 1	BEARING, ball, front

(Continued)

FAN (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
15	74348502	1	1	NUT, spindle
	70911064	1	1	PIN, cotter, 1/8" x 1-3/8"
16	74336529	1	-	HUB, fan
	70659859	-	1	HUB, fan (Units equipped with generator)
	74338814	-	1	HUB, fan (Units equipped with 50 amp alternator)
17	70088561	1	1	CAP, hub
18	74042081	1	1	RING, snap, cap retaining
19	74337608	1	-	BRACKET, fan mounting
	70659893	-	1	BRACKET, fan mounting
	74338785	1	1	BRACKET, fan mounting (Units equipped with 50 amp alternator)
20	70915969	2	-	CAPSCREW, 1/2"NC x 3"
	70916316	-	2	CAPSCREW, 1/2"NC x 2-1/2"
21	70915969	-	1	CAPSCREW, 1/2"NC x 3"(Units equipped with 50amp alternator)
	70916319	1	-	CAPSCREW, 1/2"NC x 3-1/2"
	70922526	1	1	CAPSCREW, 1/2"NC x 2-1/2"
	70912441	4	4	LOCKWASHER, 1/2"
	70904208	3	3	LOCKWASHER, 1/2"
22	70915971	1	1	CAPSCREW, 5/8"NC x 2-3/4"
	70904209	1	1	LOCKWASHER, 5/8"
23	74336526	1	1	HOSE, lubricating (Units equipped with generator)
	74338950	1	1	HOSE, lubricating (Units equipped with 50 amp alternator)
	70901472	1	1	NIPPLE, pipe, 1/8"NPT x 3-1/2"
	70901676	1	1	ELBOW, pipe, 90°, 1/8"NPT
	70915274	1	1	FITTING, lubricating, 45°, 1/8"NPT
	70911049	1	1	NUT, jam, 5/8"NF
24	74336523	1	1	BRACKET, lubricating hose
	70915408	1	1	CAPSCREW, 3/8"NC x 3/4"
	70904206	1	1	LOCKWASHER, 3/8"
25	70097413	-	1	BLOCK, spacing (Units equipped with generator)

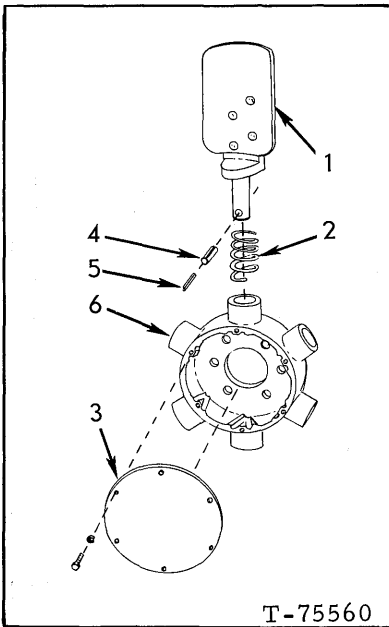
REVERSIBLE FAN PARTS
("Huber")

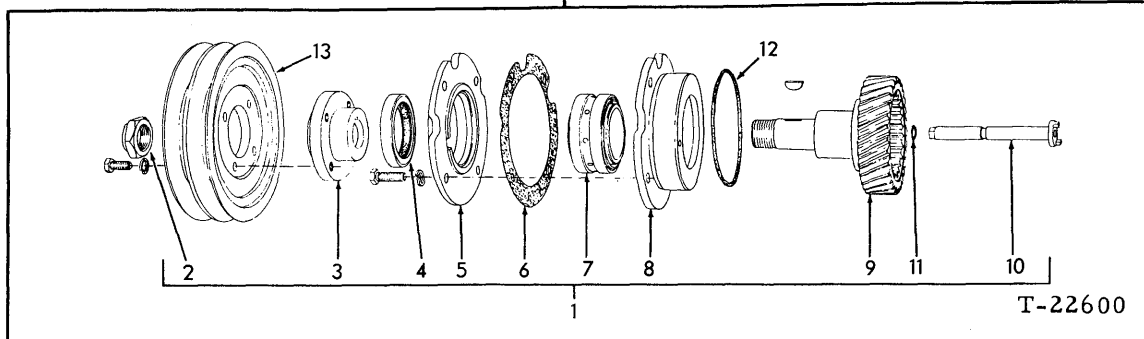
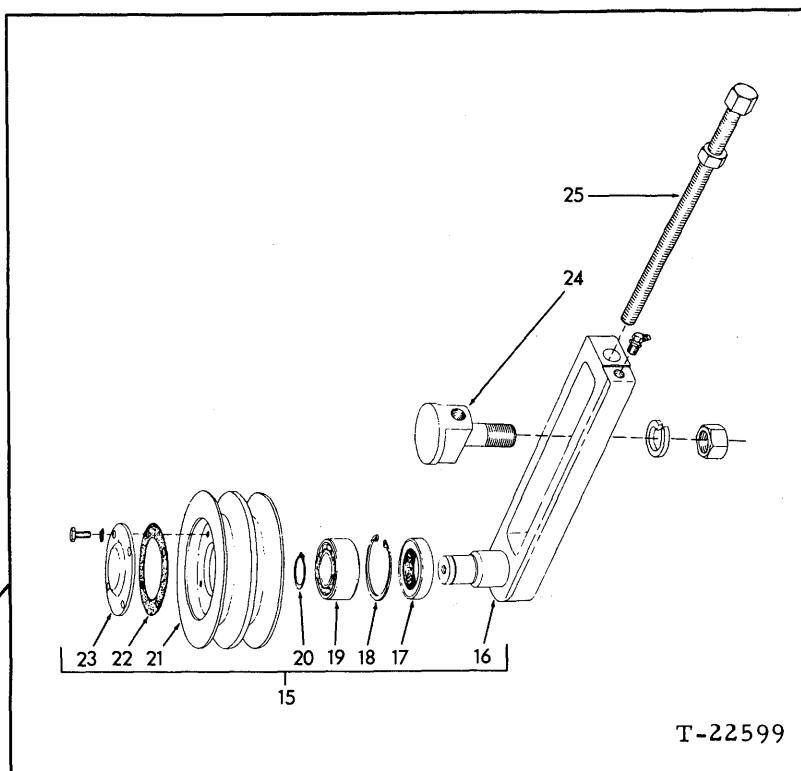
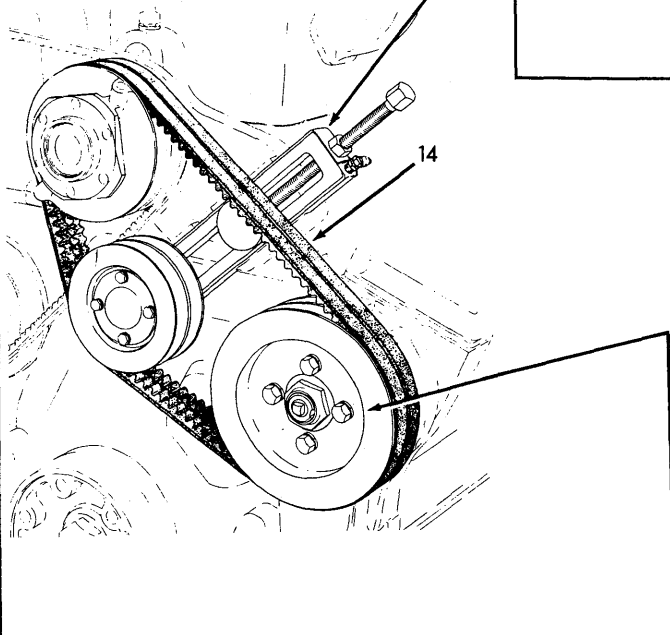
USAGE: See page 93

ITEM PART NO. QTY. DESCRIPTION

1	-----	6	BLADE (See NOTE below)
2	70668596	6	SPRING
3	70668594	1	COVER, dust
	70926339	6	CAPSCREW, #10-24 x 5/16" (Includes lockwasher)
4	70921839	6	PIN, blade retaining (3/8" O.D.)
5	70915989	6	PIN, blade retaining (7/32" O.D.)
6	-----	1	HUB (See NOTE below)

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



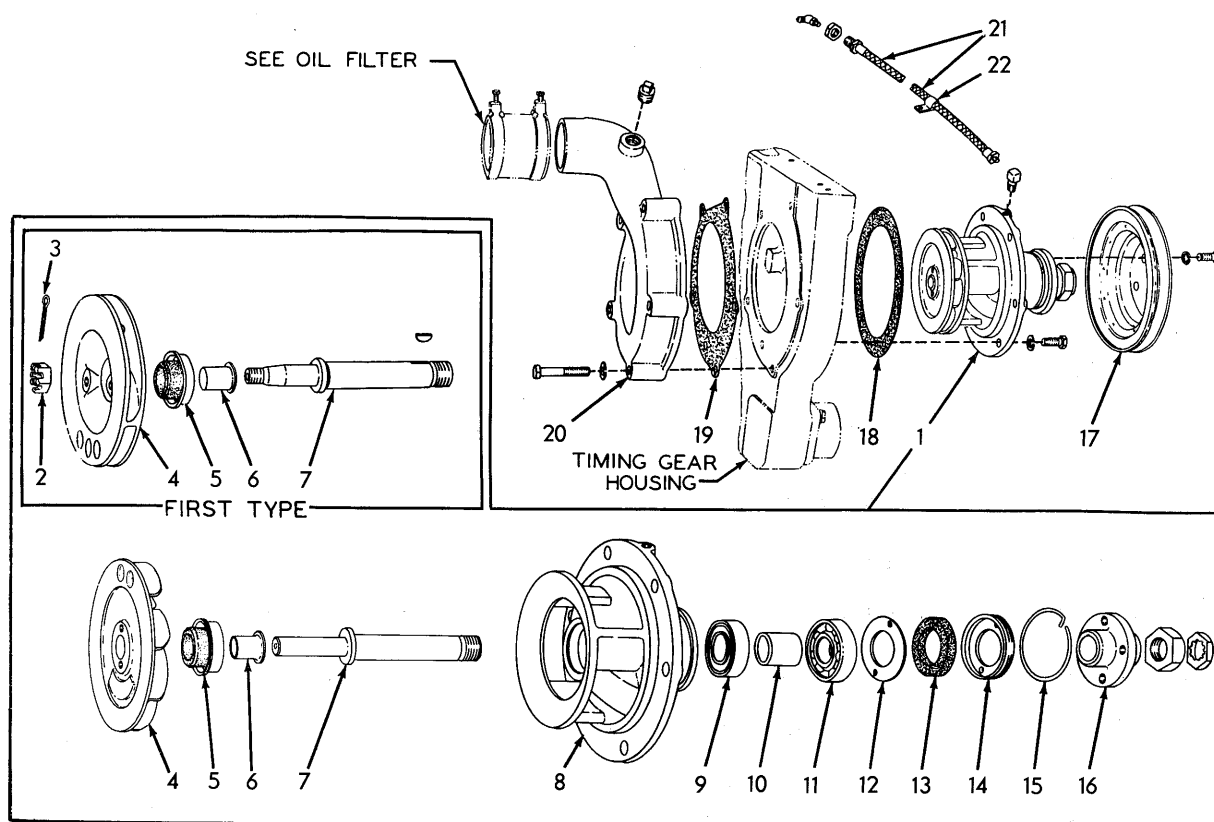


FAN DRIVE

T-22598

FAN DRIVE

ITEM	PART NO.	QTY.	DESCRIPTION
1	74336259	1	DRIVE ASSEMBLY (Consists of items 2 thru 11)(Used prior to engine #6-14912)
	74337416	1	DRIVE ASSEMBLY (hardened gear)(Consists of items 2 thru 11) (Effective with engine #6-14912)
2	74335476	1	NUT, flange retaining
3	74336257	1	FLANGE, pulley mounting
4	74349736	1	SEAL, oil
5	74349674	1	FLANGE, seal retaining
	70916272	4	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	4	LOCKWASHER, 3/8"
6	74349011	1	GASKET, seal retaining flange
7	74253825	1	BEARING, roller
8	74349014	1	RETAINER, bearing
9	74335443	1	GEAR, fan drive (Used prior to engine #6-14912)
	74337189	1	GEAR, fan drive (hardened)(Effective with engine #6-14912)
	70917755	1	KEY, #91 woodruff, 1/4" x 3/4"
10	-----	1	SHAFT, pump timing
11	-----	1	O-RING, pump timing shaft
			} See INJECTION PUMP
12	70923589	1	□ O-RING, drive mounting
13	74336258	1	PULLEY, fan drive
	70916225	4	CAPSCREW, 3/8"NF x 1"
	70904206	4	LOCKWASHER, 3/8"
14	74337756	2	BELT, fan drive (Supplied in matched sets)
15	74349660	1	IDLER ASSEMBLY, belt tightening (Consists of items 16 thru 23)
16	74336587	1	SLIDE, fan idler
	70915275	1	FITTING, lubricating, 65°, 1/8"NPT
17	74254670	1	SEAL, oil
18	74254100	1	RING, snap, rear
19	74255031	1	BEARING, ball
20	74253555	1	RING, snap, front
21	74349662	1	PULLEY
22	74347752	1	GASKET, pulley cover
23	74347751	1	COVER, pulley
	70915343	4	CAPSCREW, 1/4"NC x 5/8"
	70904204	4	LOCKWASHER, 1/4"
24	74349666	1	BOLT, clamping, fan idler slide
	70904369	1	LOCKWASHER, 3/4"
	70910175	1	NUT, 3/4"NF
25	74349667	1	CAPSCREW, fan belt adjustment
	70910325	1	NUT, 1/2"NC



WATER PUMP

T-27396

*Engines prior to serial No. 6-25060

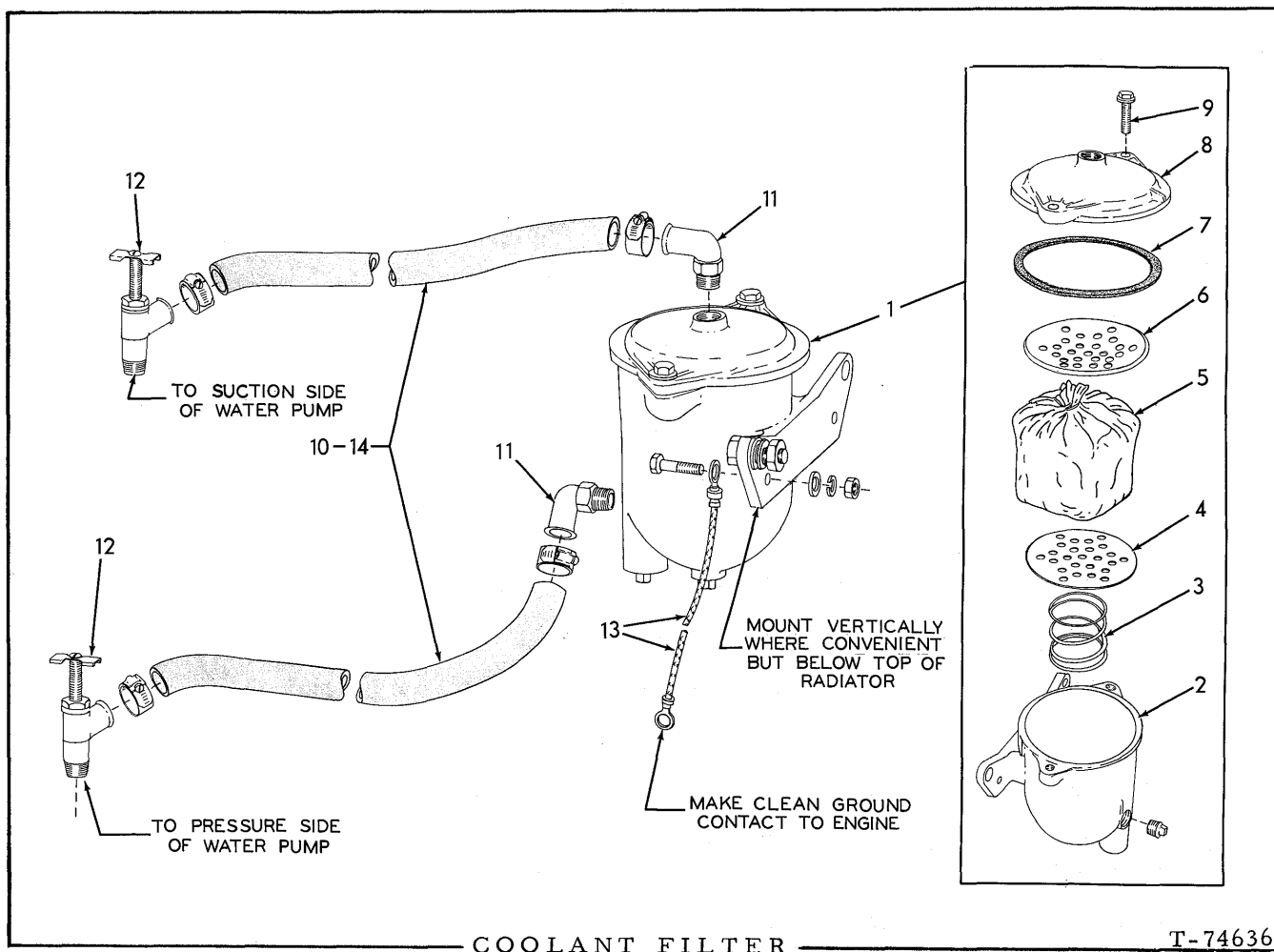
**Engines serial No. 6-25060 and up

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
NOTE: See GENERATOR for listing of driving belt			
1	74338662	1 -	PUMP ASSY. (Consists of items 2 thru 16)
	74320996	- 1	PUMP ASSY. (Consists of items 4 thru 16 and 18)
	70916271	6 6	CAPSCREW, 3/8"NC x 1"
	70904206	6 6	LOCKWASHER, 3/8"
2	74375686	1 -	NUT, impeller retaining
3	74041097	1 -	PIN, cotter, impeller nut
4	74339103	1 -	IMPELLER ASSY. (Includes ceramic insert)
	74358786	- 1	IMPELLER ASSY. (Includes ceramic insert)
5	74507091	1 1	SEAL ASSY. (Serviced only as a unit)

(Continued)

WATER PUMP (Continued)

ITEM	PART NO.	QTY. * **	DESCRIPTION
6	74507084	1 1	FLINGER, water
7	74348757	1 -	SHAFT ASSY. (Includes item 6)
	70905121	1 -	KEY, #5 woodruff, 1/8" x 5/8"
	74358787	- 1	SHAFT ASSY. (Includes item 6)
8	74338663	1 1	BODY, water pump
9	74044212	1 1	BEARING, ball, rear
10	74044211	1 1	SPACER, bearing
11	74044210	1 1	BEARING, ball, front
12	74044209	1 1	WASHER, retaining
13	74348825	1 1	WASHER, sealing
14	74335320	1 1	RETAINER, sealing washer
15	74053968	1 1	RING, snap, sealing washer retainer
16	74335808	1 -	FLANGE, driving pulley
	74359280	- 1	FLANGE, driving pulley
	70910847	1 1	NUT, 3/4"NF
	70917680	1 1	NUT, Pal locking, 3/4"
17	74339503	1 1	PULLEY
	70916206	4 -	CAPSCREW, 5/16"NF x 7/8" (Early units)
	70911169	4 4	CAPSCREW, 5/16"NF x 5/8" (Late units)
	70904205	4 4	LOCKWASHER, 5/16"
18	74346744	1 1	□GASKET, water pump
19	74335056	1 1	□GASKET, water pump volute
20	74349953	1 1	VOLUTE
	70920131	1 1	PLUG, pipe, 3/8"NPT
	70916274	5 5	CAPSCREW, 3/8"NC x 2-1/4"
	70904206	5 5	LOCKWASHER, 3/8"
21	74336527	1 1	HOSE, lubricating
	70914463	1 1	ADAPTER, 90°, 1/8"NPT male and female
	70915274	1 1	FITTING, lubricating, 45°, 1/8"NPT
	70911049	1 1	NUT, jam, 5/8"NF
22	74251849	1 1	CLIP, hose supporting



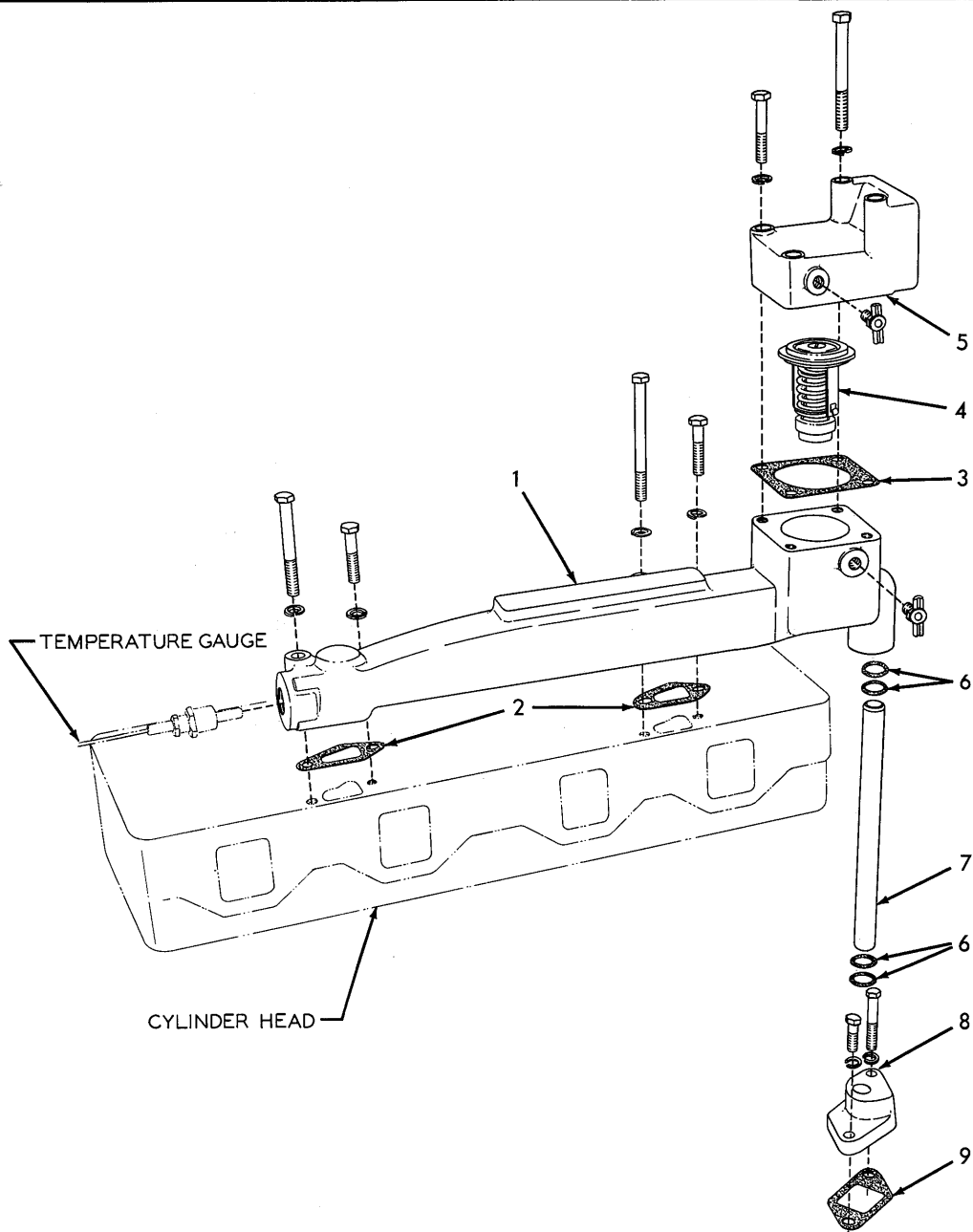
USAGE: Special equipment

ITEM	PART NO.	QTY.	DESCRIPTION
-	74357825	1	FILTER KIT (Consists of items 1 thru 13)
1	74387474	1	FILTER ASSEMBLY, water (Consists of items 2 thru 9. Has element for use with permanent anti-freeze)
	70916311	2	CAPSCREW, 1/2"NC x 1-1/4"
	70910244	2	WASHER, plain, SAE std., 1/2"
	70904208	2	LOCKWASHER, 1/2"
	70910325	2	NUT, 1/2"NC
	70914670	2	CAPSCREW, 5/16"NC x 1-1/8"
	70910335	2	WASHER, plain, SAE std., 5/16"
	70904205	2	LOCKWASHER, 5/16"
	70910323	2	NUT, 5/16"NC
2	74055031	1	BODY, filter
	70920131	2	PLUG, pipe, 3/8"NPT
3	74054569	1	SPRING, filter element
4	74054568	1	PLATE, filter element, lower

(Continued)

COOLANT FILTER (Continued)

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



WATER OUTLET MANIFOLD

T-24187

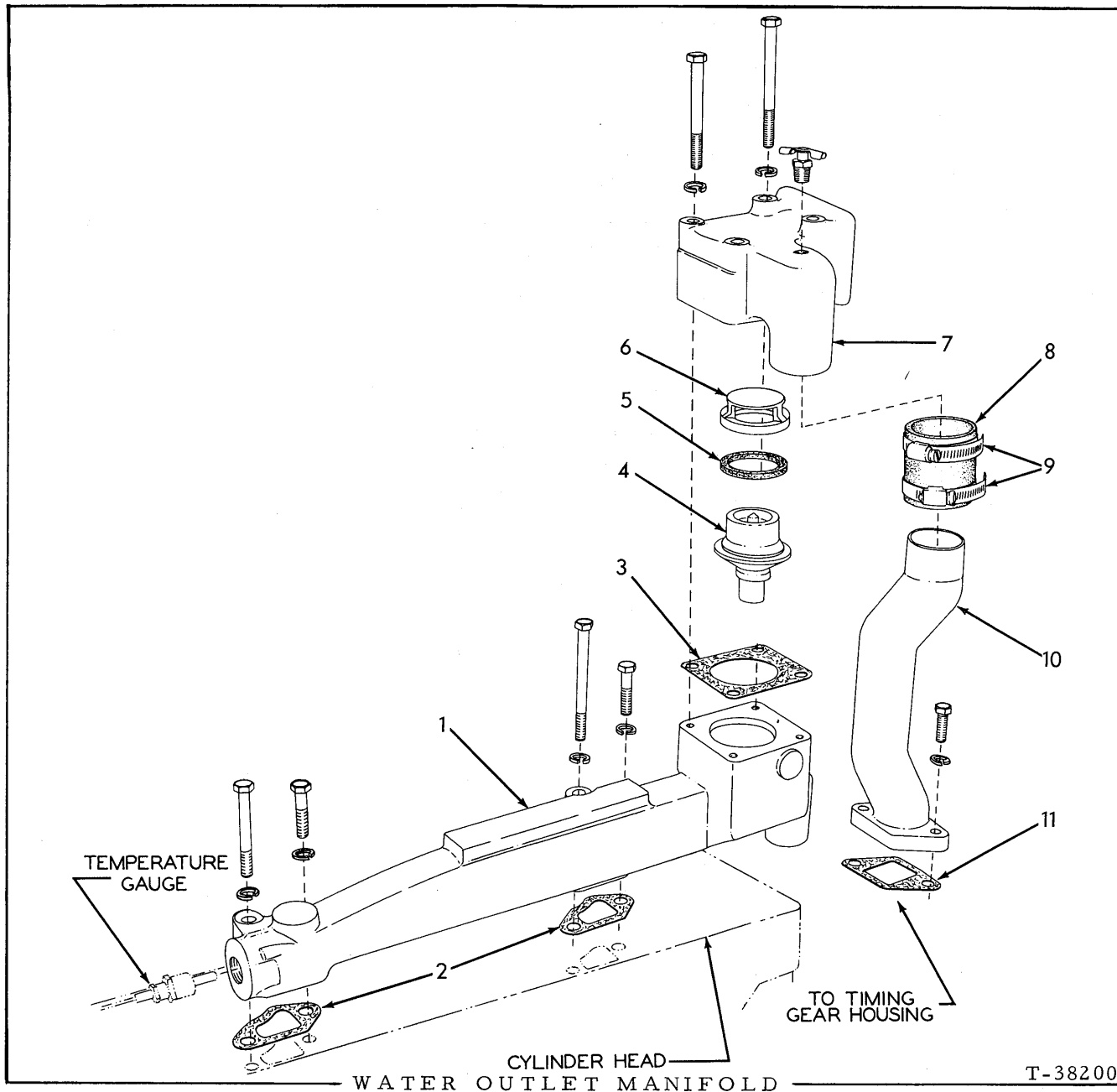
USAGE: Engine prior to serial No. 6-16982

ITEM	PART NO.	QTY.	DESCRIPTION
1	74336670	1	MANIFOLD, water outlet
	70919226	2	CAPSCREW, 3/8"NC x 1-5/8"
	70920275	1	CAPSCREW, 3/8"NC x 3"
	70919801	1	CAPSCREW, 3/8"NC x 4"
	70904206	4	LOCKWASHER, 3/8"
	70912415	1	COCK, T-handle, 1/4"NPT (air venting)
2	74349808	2	□ GASKET, water manifold
3	74349809	1	□ GASKET, thermostat housing

(Continued)

WATER OUTLET MANIFOLD (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
4	74379916	1	THERMOSTAT
5	74349810	1	HOUSING, thermostat
	70912415	1	COCK, T-handle, 1/4"NPT
	70916274	2	CAPSCREW, 3/8"NC x 2-1/4"
	70916275	2	CAPSCREW, 3/8"NC x 3-3/4"
	70904206	4	LOCKWASHER, 3/8"
6	70923574	4	□ O-RING, water by-pass tube
7	74336268	1	TUBE, water by-pass
8	74336267	1	FLANGE, water by-pass
	70919224	1	CAPSCREW, 3/8"NC x 1-1/8"
	70910948	1	CAPSCREW, 3/8"NC x 2"
	70904206	2	LOCKWASHER, 3/8"
9	74347031	1	□ GASKET, water by-pass flange



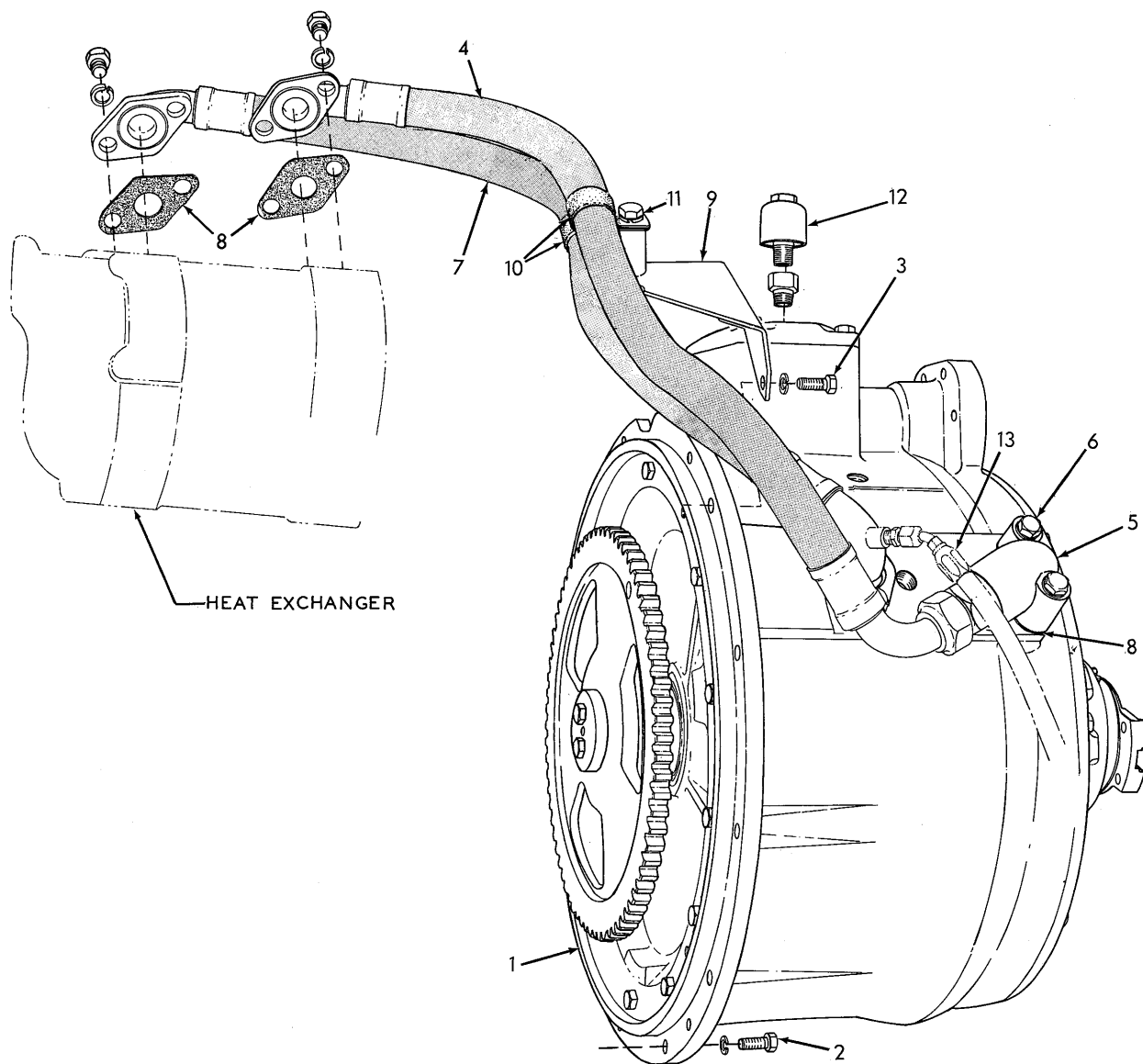
USAGE: Engine serial No. 6-16982 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	74338254	1	MANIFOLD, water outlet
	70919226	2	CAPSCREW, 3/8"NC x 1-5/8"
	70920275	1	CAPSCREW, 3/8"NC x 3"
	70919801	1	CAPSCREW, 3/8"NC x 4"
	70904206	4	LOCKWASHER, 3/8"
2	74349808	2	□GASKET, water manifold
3	74349809	1	□GASKET, thermostat housing
4	74354537	1	THERMOSTAT

(Continued)

WATER OUTLET MANIFOLD (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
5	74317554	1	SEAL, thermostat
6	74317553	1	BUSHING, thermostat housing (Used prior to engine #6-22875)
7	74354268	1	HOUSING ASSY., thermostat (Including item 5)
	70912415	1	COCK, T-handle, 1/4"NPT
	70919227	2	CAPSCREW, 3/8"NC x 3-1/4"
	70916275	2	CAPSCREW, 3/8"NC x 3-3/4"
	70904206	4	LOCKWASHER, 3/8"
8	74341743	1	HOSE, water by-pass tube
9	70925758	2	CLAMP, hose, 2-1/16" to 3" diam.
10	74338231	1	TUBE, water by-pass
	70916272	2	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	2	LOCKWASHER, 3/8"
11	74347031	1	□GASKET, water by-pass tube



TORQUE CONVERTER

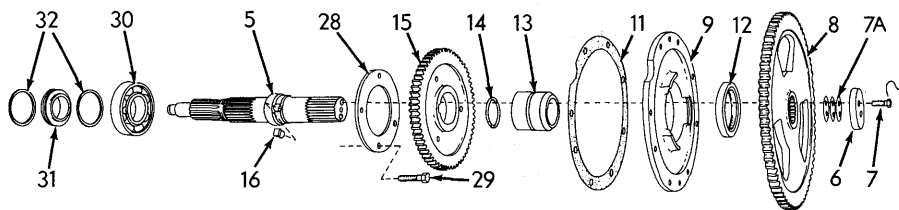
T-70915

ITEM	PART NO.	QTY.	DESCRIPTION
1	70628428	1	CONVERTER ASSY., torque (See page 109 for parts)(Tractors prior to #18354. Order CONVERTER ASSY. 70649355. If for engines prior to #6-21922 also order FLYWHEEL ASSY. 74339573 and 6 BOLTS 74255336)
	70649355	1	CONVERTER ASSY., torque (See page 109 for parts)(Tractors #18354 and up)
2	70919224	8	CAPSCREW, 3/8"NC x 1-1/8"
3	70916272	2	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	10	LOCKWASHER, 3/8"

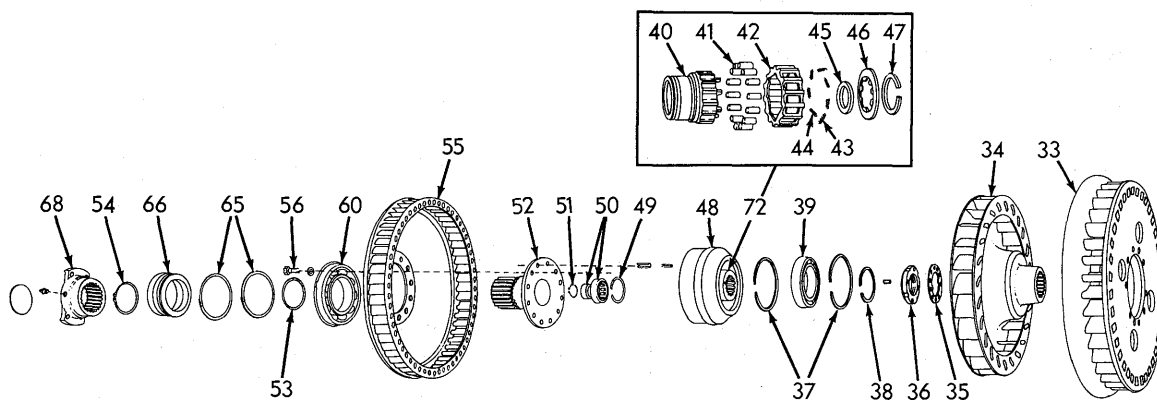
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TORQUE CONVERTER (Continued)

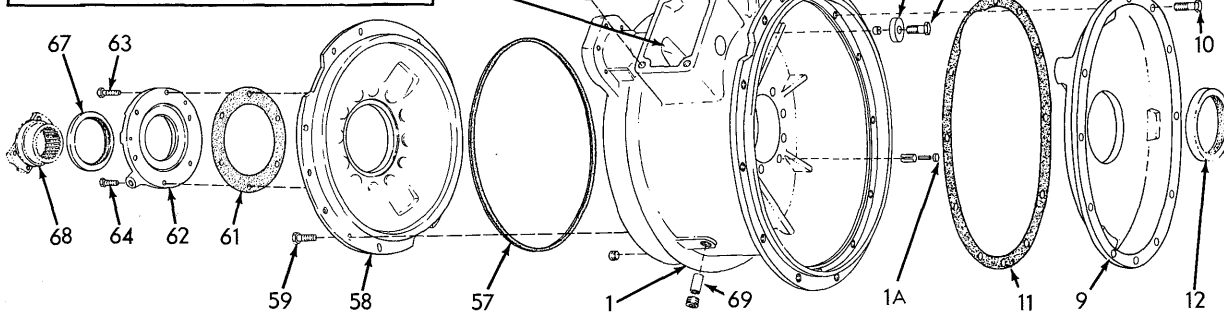
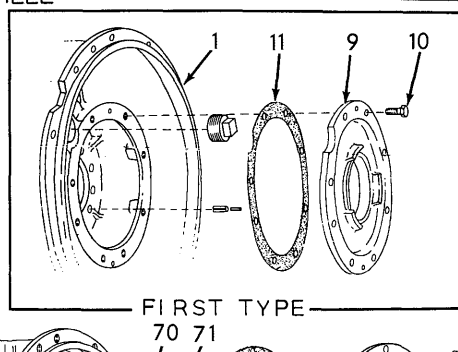
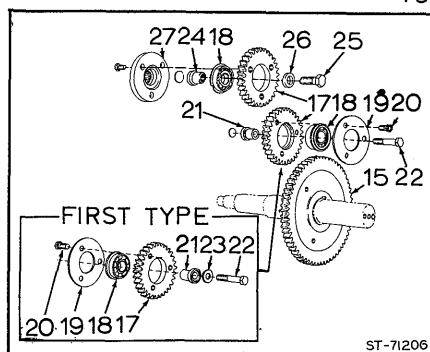
ITEM	PART NO.	QTY.	DESCRIPTION
4	70646212	1	HOSE, fluid discharge (See HOSE PARTS)
	70919064	1	CONNECTOR, flare type, 1" tube, 1"NPT male
	70919228	2	CAPSCREW, 7/16"NC x 1-1/8"
	70904207	2	LOCKWASHER, 7/16"
5	70620826	1	ELBOW, fluid discharge line
	70916257	1	CAPSCREW, 7/16"NC x 2-1/2"
6	70916255	1	CAPSCREW, 7/16"NC x 1-3/4"
	70904207	2	LOCKWASHER, 7/16"
7	70648896	1	HOSE, fluid return (See HOSE PARTS)
	70919228	4	CAPSCREW, 7/16"NC x 1-1/8"
	70904207	4	LOCKWASHER, 7/16"
8	70631078	4	GASKET, hose flange
9	70620729	1	BRACKET, hose supporting
10	70095869	2	CLIP, hose supporting (1-1/4" diam.)(Used prior to tractor #18193)
	70644457	2	CLIP, hose supporting (1-5/16" diam.)(Effective with tractor #18193)
11	70920603	1	CAPSCREW, 1/2"NF x 1-1/8"
	70904208	1	LOCKWASHER, 1/2"
12	70050748	1	BREATHER (Used prior to tractor #16749)
	70912483	1	ADAPTER, pipe, 3/8"NPT female, 1/4"NPT male
13	-----	-	HOSE (See TORQUE CONVERTER CHARGING AND RETURN LINES)



INPUT SHAFT



TURBINE AND IMPELLER WHEEL



HOUSING

TORQUE CONVERTER PARTS

USAGE: See page 106

*CONVERTER ASSEMBLY 70628428 (Converters prior to S/N 214914)
 **CONVERTER ASSEMBLY 70649355 (Converters S/N 214914 and up)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	70628469	1	-	HOUSING ASSY. (Includes item 69)
	70640797	-	1	HOUSING
	70651141	1	1	PLUG, pipe, hex-hd., 3/8"NPT
	70912769	1	-	PLUG, pipe, sq.-hd., 1-1/4"NPT
	70921469	5	5	PIN, spring, 7/32" x 1"
	70918113	5	5	PIN, spring, 3/8" x 1"
1A	70638767	5	5	PLUG, cup, spring pin holes (Effective with Converter #203718)
2	70628572	1	1	COVER, housing
3	70035439	4	4	CAPSCREW, 3/8"NC x 1"
4	70628571	1	1	GASKET, housing cover
5	70628484	1	1	SHAFT, input
6	70638765	1	1	WASHER, end, input shaft
7	70074155	2	-	CAPSCREW, drilled-hd., 3/8"NF x 7/8" (Used prior to Converter #203718)
	70076942	2	2	CAPSCREW, drilled-hd., 3/8"NF x 1-1/2" (Effective with Converter #203718)
	70023633	1	1	WIRE, locking, 1/16" x 12"
7A	70638771	-	-	SHIM, end washer (.003" thick)
	70638770	-	-	SHIM, end washer (.010" thick)
	70638769	-	-	SHIM, end washer (.025" thick)
8	70624460	1	1	SPIDER, driving
9	70628489	1	-	PLATE, front oil seal
	70649066	-	1	PLATE, front oil seal
10	70035439	8	-	CAPSCREW, 3/8"NC x 1"
	73039122	-	11	CAPSCREW, 3/8"NC x 7/8"
11	70628490	1	-	GASKET, oil seal plate
	70644693	-	1	GASKET, oil seal plate
12	70628485	1	1	SEAL, oil, front end
13	70628482	1	1	SPACER, input shaft
14	70923577	1	1	O-RING, input shaft
15	70631089	1	1	GEAR, pump drive
16	70628480	1	1	PIN, pump drive gear
17	70631088	2	2	GEAR, pump driving

Use as required

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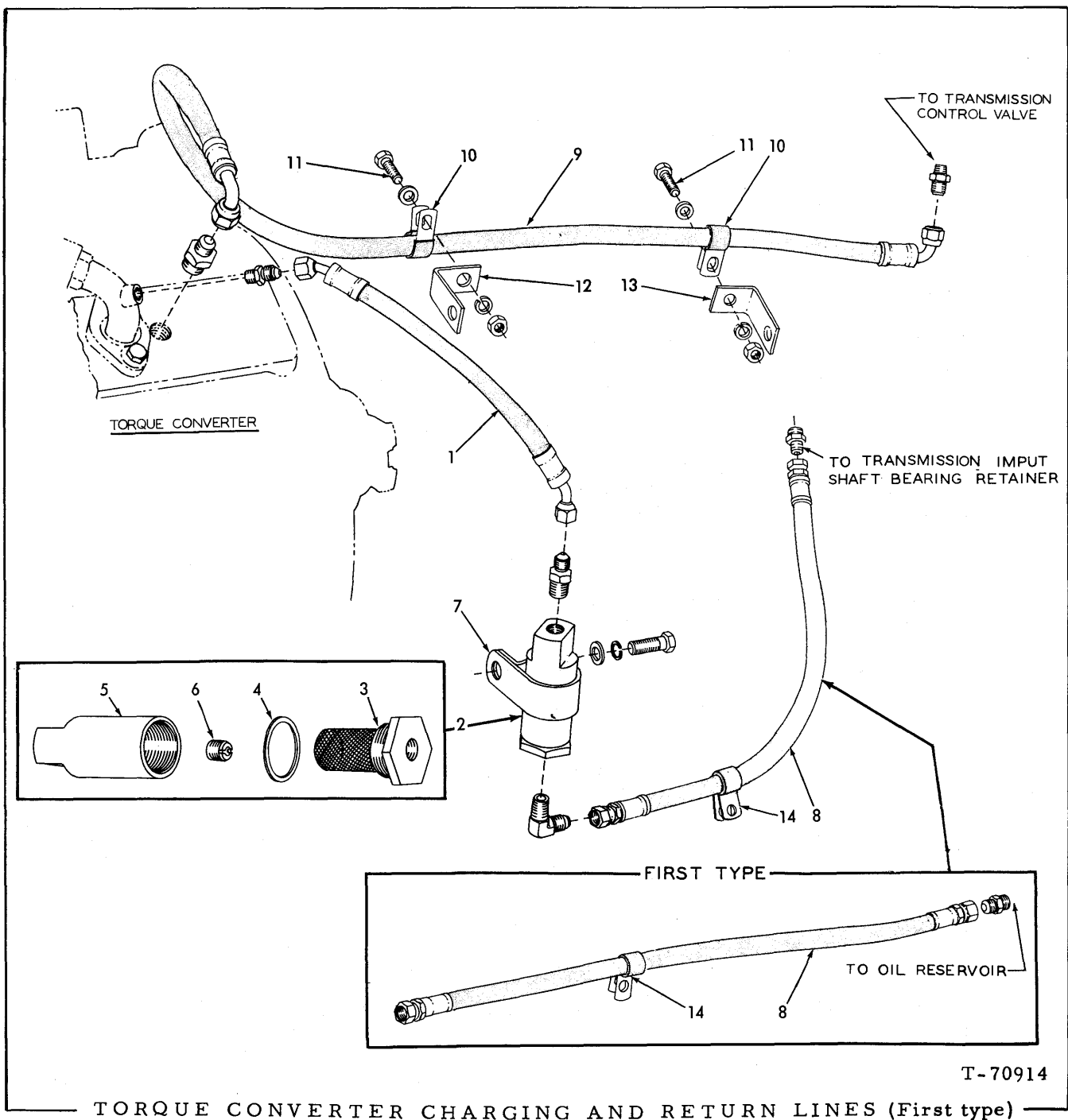
TORQUE CONVERTER PARTS (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
18	70645269	2	2	BEARING, ball, pump driving gears (Includes snap ring)
19	70628492	1	1	RETAINER, gear bearing
20	70639534	3	3	CAPSCREW, self-locking, 3/8"NF x 5/8"
21	70632604	1	1	SHAFT, pump driving gear, lower
	70910003	-	1	PLUG, expansion, 7/8" diam.
22	70058793	1	-	CAPSCREW, 3/8"NC x 2-1/4"
	70921556	-	1	CAPSCREW, 1/2"NC x 2"
23	70643763	1	-	WASHER, plain
24	70632604	1	1	SHAFT, pump driving gear, upper
	70910003	1	1	PLUG, expansion, 7/8" diam.
25	70035018	1	1	CAPSCREW, 1/2"NF x 1-1/2"
26	70628470	1	1	WASHER, plain
27	70628476	1	1	ADAPTER, pump drive
	70650399	3	3	CAPSCREW, self-locking, 3/8"NF x 7/8"
28	70628486	1	1	RETAINER, input shaft front bearing
29	70058793	4	4	CAPSCREW, 3/8"NC x 2-1/4"
30	70624652	1	1	BEARING, ball, input shaft, front
31	70628344	1	1	CARRIER, front seal rings
32	70628345	2	2	RING, sealing
33	70628348	1	1	WHEEL ASSY., guide (stationary)(Serviced only as a unit)
34	70628349	1	1	WHEEL, impeller
35	70628350	1	1	WASHER, impeller retaining
36	70628351	1	1	NUT, impeller retaining
	70921464	1	1	SETSCREW, hex-socket, dog-pt., 1/4"NC x 1/2"
37	70628520	2	2	RING, snap, bearing retaining
38	70628519	1	1	RING, snap, cam retaining
39	70628518	1	1	BEARING, ball, turbine wheel, front
40	-----	1	1	□CAM, clutch (Order item 72)
41	-----	14	14	□ROLLER, clutch (Order item 72)
42	-----	1	1	□CAGE ASSY., clutch rollers (Includes 2 spring guiding pins) (Order item 72)
43	-----	2	2	□SPRING, cage return (Order item 72)
44	-----	5	5	□SPRING, bumper (Order item 72)
45	70628510	1	1	□SPACER, cage retaining washer
46	70628511	1	1	□WASHER, cage retaining
47	70628509	1	1	□RING, snap, clutch cam

(Continued)

TORQUE CONVERTER PARTS (Continued)

ITEM	PART NO.	QTY. * **	DESCRIPTION
48	70628515	1 1	RACE, over-running clutch
	70921469	6 6	PIN, spring, 7/32" x 1"
	70918113	6 6	PIN, spring, 3/8" x 1"
49	70628363	1 1	RING, snap, bearing retaining
50	70628365	1 1	BEARING, roller, input shaft, rear
51	70628364	1 1	RING, snap, input shaft
52	70628354	1 1	FLANGE, turbine wheel
53	70628362	1 1	O-RING, turbine wheel flange
54	70628361	1 1	RING, snap, turbine wheel flange
55	70628478	1 1	WHEEL, turbine
56	70650399	6 6	CAPSCREW, self-locking, 3/8"NF x 7/8"
	70638768	6 6	WASHER, plain
57	70628516	1 1	GASKET, rear end plate
58	70628479	1 1	PLATE, rear end
59	70035439	14 14	CAPSCREW, 3/8"NC x 1"
60	70628355	1 1	BEARING, ball, turbine wheel, rear (Includes snap ring)
61	70628366	1 1	GASKET, rear bearing retainer
62	70628356	1 1	RETAINER, turbine wheel rear bearing
63	70013058	2 2	CAPSCREW, 3/8"NC x 1-1/4"
64	70035439	4 4	CAPSCREW, 3/8"NC x 1"
65	70628359	2 2	RING, sealing
66	70628358	1 1	CARRIER, rear seal rings
67	70628357	1 1	SEAL, oil, rear end
68	70628360	1 1	YOKE ASSY., drive shaft (Includes PLUG and FITTING indicated below)
	70910011	1 1	PLUG, expansion, 2-1/2" diam.
	70914465	1 1	FITTING, lubricating, straight, 1/8"NPT
69	70922524	2 -	PIN, spring, 1/2" x 1-1/2" (Used as flow restrictor in housing oil passage)
70	70644692	- 1	CAP, lubricating orifice
	70923285	- 1	PIN, spring, 5/16" x 1/2"
71	70013058	- 1	CAPSCREW, 3/8"NC x 1-1/4"
72	70628503	1 1	CLUTCH KIT, over-running (Consists of items 40 thru 47)

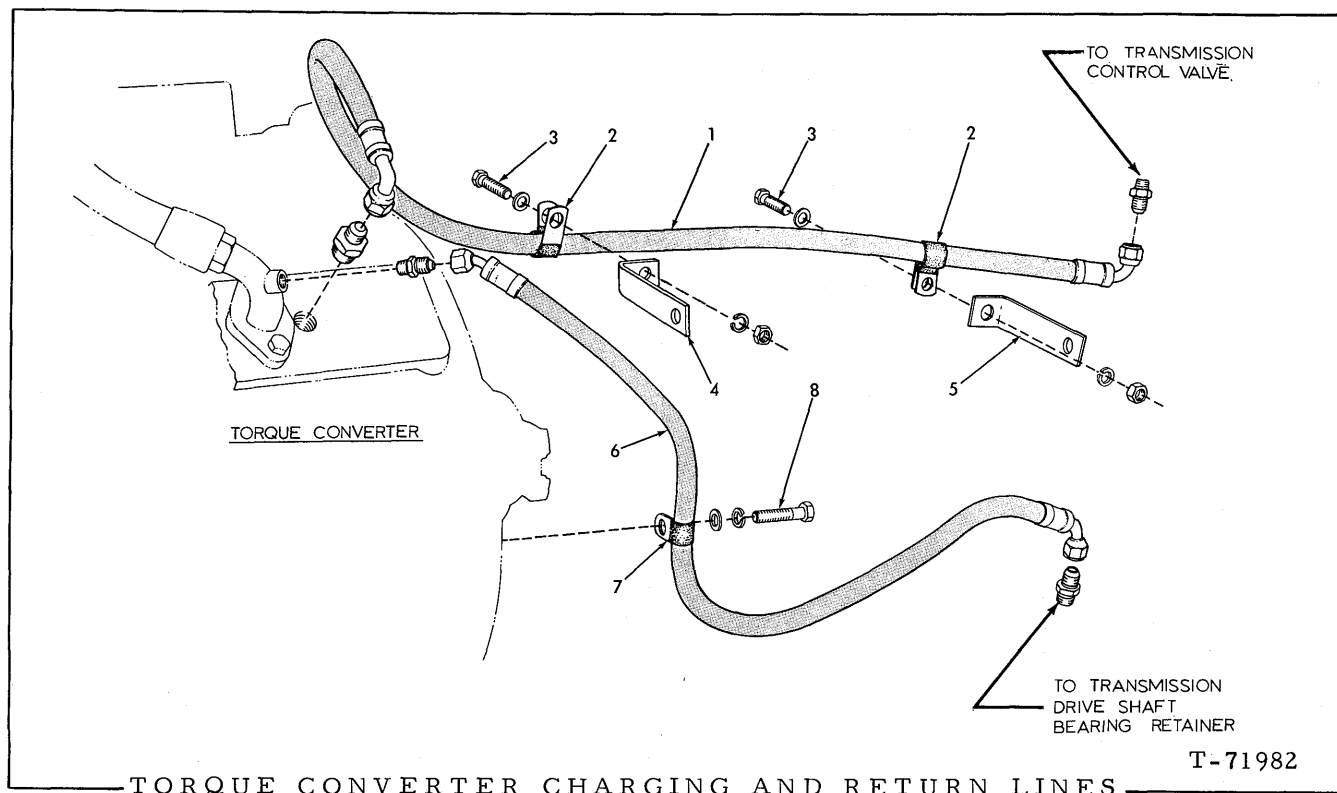


TORQUE CONVERTER CHARGING AND RETURN LINES

USAGE: Tractors prior to serial No. 18985

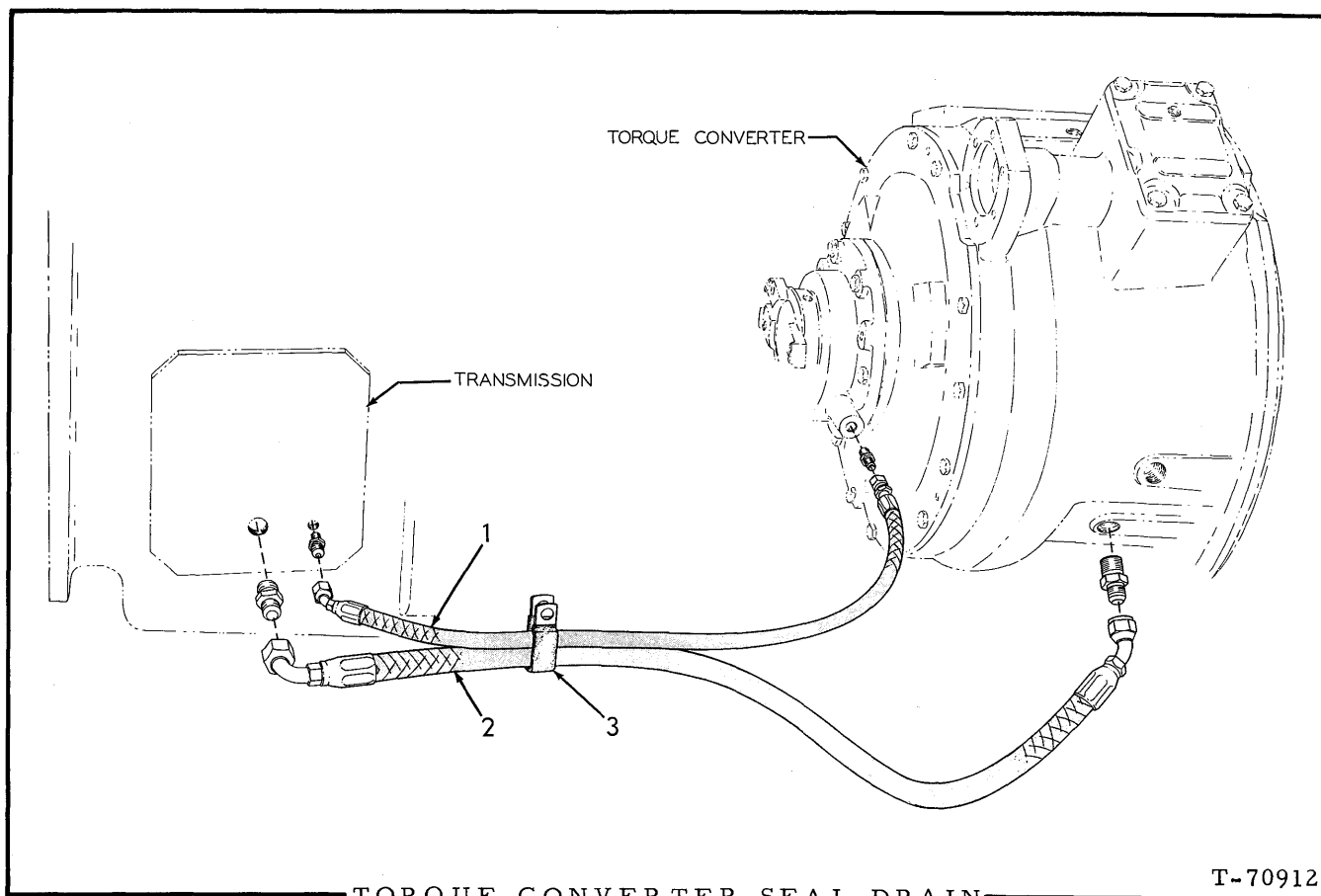
ITEM PART NO. QTY. DESCRIPTION

1	70646323	1	HOSE, converter to filter (See HOSE PARTS)
	70919171	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
	70919140	1	CONNECTOR, flare type, 1/4" tube, 1/4"NPT male
2	70079044	1	FILTER ASSEMBLY, oil (Consists of items 3 thru 6)
3	70052702	1	SCREEN, filter
4	70042744	1	GASKET, filter
5	70052701	1	BODY, filter
6	70079043	1	PLUG, filter restricting
7	70053096	1	CLIP, filter supporting
	70070960	1	CAPSCREW, 3/8"NC x 1-1/2"
	70904206	1	LOCKWASHER, 3/8"
	70044973	1	WASHER, plain
8	70644328	1	HOSE, filter to steering clutch housing (See HOSE PARTS)(Used prior to tractor #18647)
	70919546	1	ELBOW, flare type, 1/4" tube, 1/4"NPT male
	70919140	1	CONNECTOR, flare type, 1/4" tube 1/4"NPT male
	70647785	1	HOSE, filter to transmission drive shaft (See HOSE PARTS)(Effective with tractor #18647)
	70919546	1	ELBOW, flare type, 1/4" tube, 1/4"NPT male
	70919171	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
9	70646342	1	HOSE, torque converter charging (See HOSE PARTS)
	70919172	1	CONNECTOR, flare type, 3/8" tube, 3/8"NPT male
	70919072	1	CONNECTOR, flare type, 3/8" tube, 1/8"NPT male
10	70094422	2	CLIP, charging hose (5/8" diam.)(Used prior to tractor #18193)
	70621304	2	CLIP, charging hose (3/4" diam.)(Effective with tractor #18193)
11	70035167	2	CAPSCREW, 3/8"NF x 7/8"
	70911115	2	WASHER, plain, SAE std., 3/8"
	70904206	2	LOCKWASHER, 3/8"
	70911041	2	NUT, 3/8"NF
12	70630171	1	ANGLE, hose supporting (Tractors prior to #18647)
	70650567	1	ANGLE, hose supporting (Effective with tractor #18647)
13	70628243	1	ANGLE, hose supporting (Used prior to tractor #16007)
	70633496	1	ANGLE, hose supporting (Effective with tractor #16007)
14	70094527	1	CLIP, return hose (1/2" diam., 13/32" bolt-hole)(Used prior to tractor #18193)
	70632755	1	CLIP, return hose (1/2" diam., 17/32" bolt-hole)(Used on tractors #18193 thru #18646)



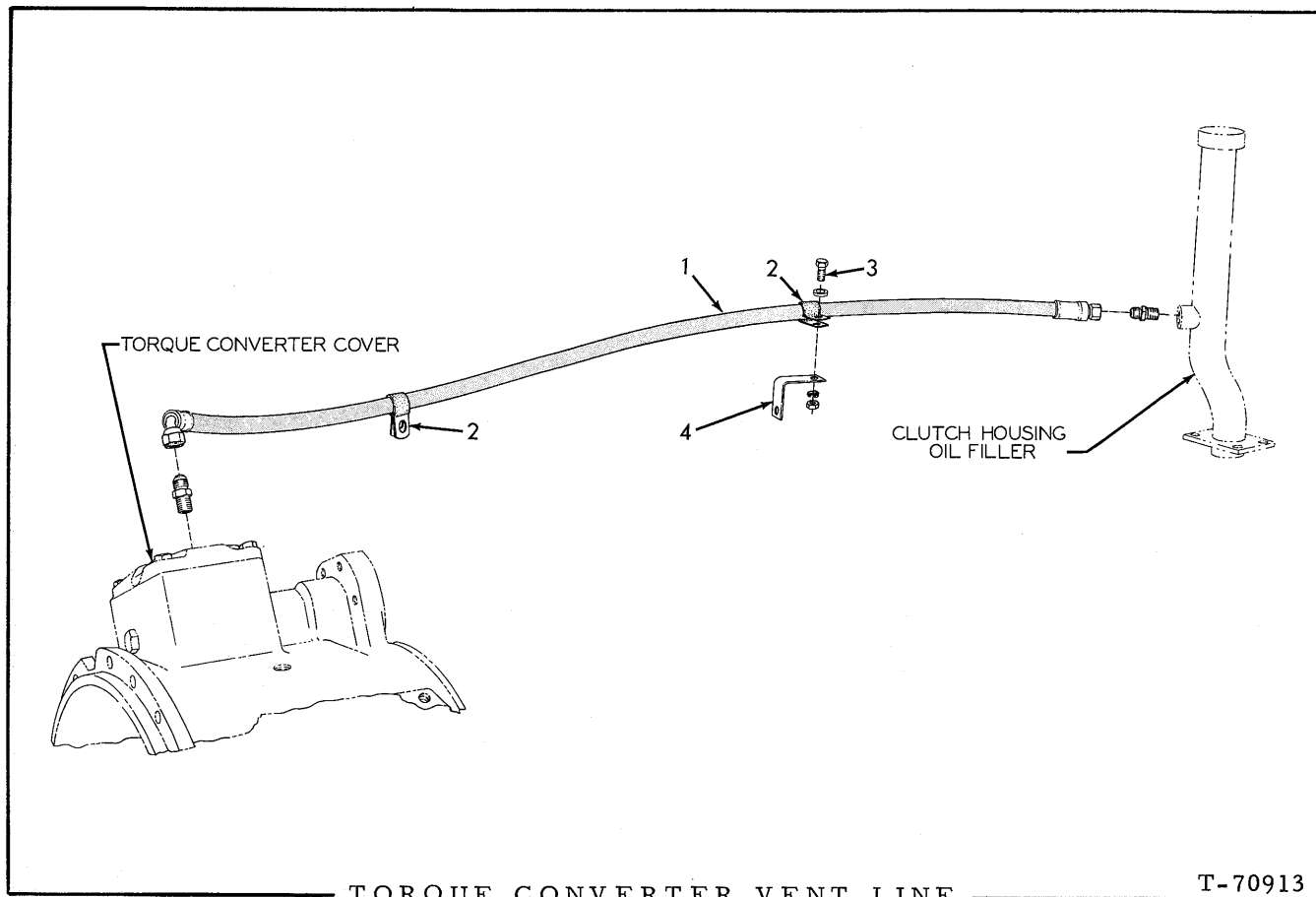
USAGE: Tractors serial No. 18985 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	70646342	1	HOSE, torque converter charging (See HOSE PARTS)
	70919172	1	CONNECTOR, flare type, 3/8" tube, 3/8"NPT male
	70919072	1	CONNECTOR, flare type, 3/8" tube, 1/8"NPT male
2	70621304	2	CLIP, charging hose
3	70916269	2	CAPSCREW, 3/8"NC x 7/8"
	70911115	2	WASHER, plain, SAE std., 3/8"
	70904206	2	LOCKWASHER, 3/8"
	70911026	2	NUT, 3/8"NC
4	70650567	1	ANGLE, hose supporting, front
5	70633496	1	ANGLE, hose supporting, rear
6	70648894	1	HOSE, converter to transmission (See HOSE PARTS)
	70919171	2	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
7	70632755	1	CLIP, return hose
8	70914847	1	CAPSCREW, 3/8"NC x 1-1/2"
	70904206	1	LOCKWASHER, 3/8"
	70044973	1	WASHER, plain



ITEM PART NO. QTY. DESCRIPTION

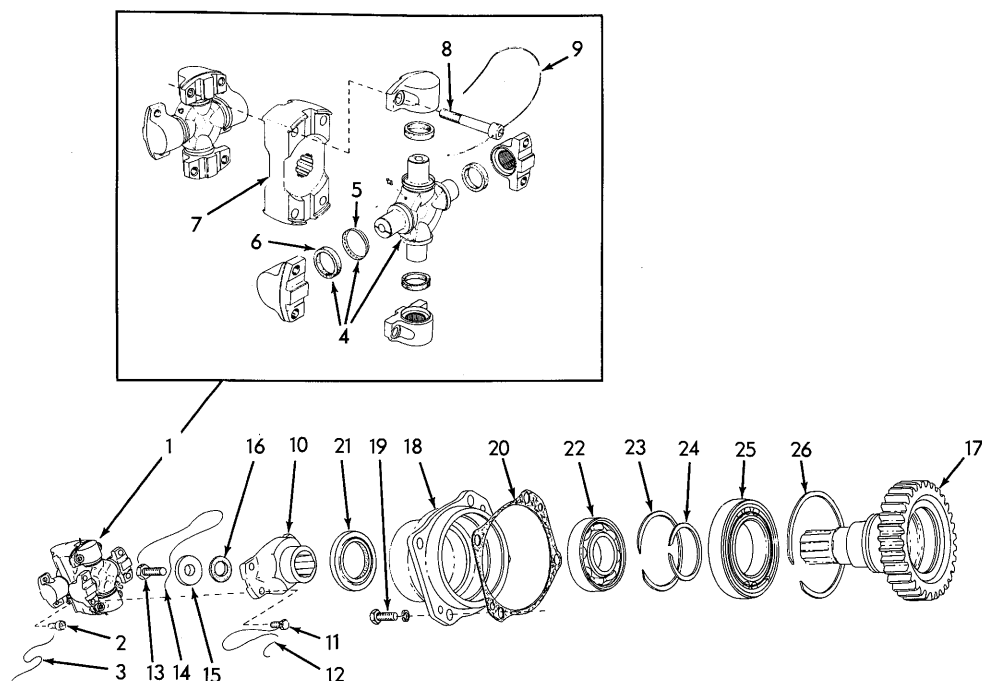
1	70646324	1	HOSE, rear seal drain (See HOSE PARTS)
	70919140	1	CONNECTOR, flare type, 1/4" tube, 1/4"NPT male
	70919171	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
2	70646313	1	HOSE, front seal drain (See HOSE PARTS)
	70919205	1	CONNECTOR, flare type, 1/2" tube, 1/4"NPT male (Used prior to tractor No. 14744, excluding Nos. 14701, 14707 14716 and 14719)
	70919128	1	CONNECTOR, flare type, 1/2" tube, 1/2"NPT male (Effective with tractor No. 14744, including Nos. 14701, 14707, 14716 and 14719)
	70919063	1	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
3	70646268	1	CLIP, hose supporting



USAGE: Tractors serial No. 16749 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	70650862	1	HOSE (See HOSE PARTS)
	70919062	2	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
2	70094422	2	CLIP, vent hose (5/8" diam.)(Used prior to tractor #18193)
	70621304	2	CLIP, vent hose (3/4" diam.) (Effective with tractor #18193)
3	70916269	1	CAPSCREW, 3/8"NC x 7/8"
	70911115	1	WASHER, plain, SAE std., 3/8"
	70904206	1	LOCKWASHER, 3/8"
	70911026	1	NUT, 3/8"NC
4	70633497	1	ANGLE, hose supporting

MEMO



DRIVE SHAFT

T-38139

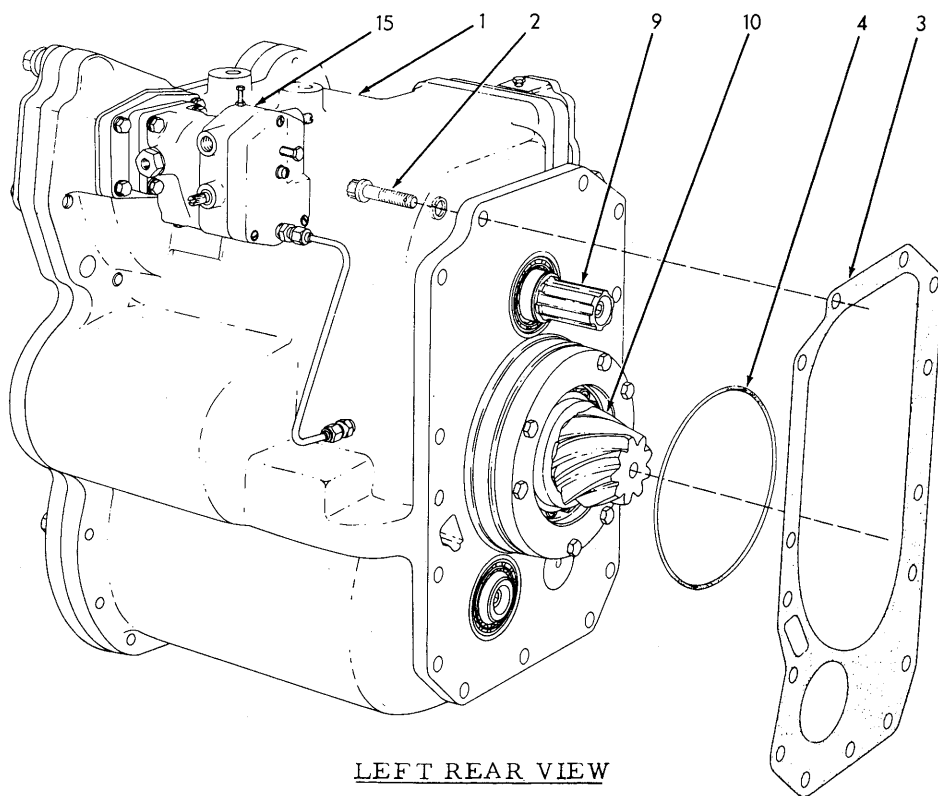
*Tractors prior to serial No. 88Y24912
 **Tractors serial No. 88Y24912 and up

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	70620777	1	-	JOINT ASSY., universal (Includes items 4 thru 9)
	70680999	-	1	JOINT ASSY., universal (Includes items 4, 7 and 8)
2	70918419	4	4	CAPSCREW, retaining universal joint 3/8"NF x 7/8"
3	70023756	1	-	WIRE, locking, 1/16" x 26" (Early units)
4	70086752	2	-	SPIDER ASSY. (Includes bearings, items 5 and 6 and FITTING indented below)(Service only as a unit)
	70680998	-	2	SPIDER ASSY. (Includes bearings)(Service only as a unit)
	70912808	2	-	FITTING, lubricating, straight, 1/4"NF
5	70059873	8	-	SHIELD, dust
6	70074661	8	-	WASHER, sealing (cork)
7	70076459	1	1	PLATE, coupling
8	70927358	4	4	CAPSCREW, coupling, 3/8"NF x 2-1/4"
9	70023756	1	-	WIRE, locking, 1/16" x 26" (Early units)
10	70628448	1	1	YOKE, rear
11	70927354	4	4	CAPSCREW, 3/8"NF x 7/8"
12	70023633	2	-	WIRE, locking, 1/16" x 12" (Early units)
13	70070162	1	1	CAPSCREW, yoke retaining
14	70023633	1	1	WIRE, locking, 1/16" x 12"

(Continued)

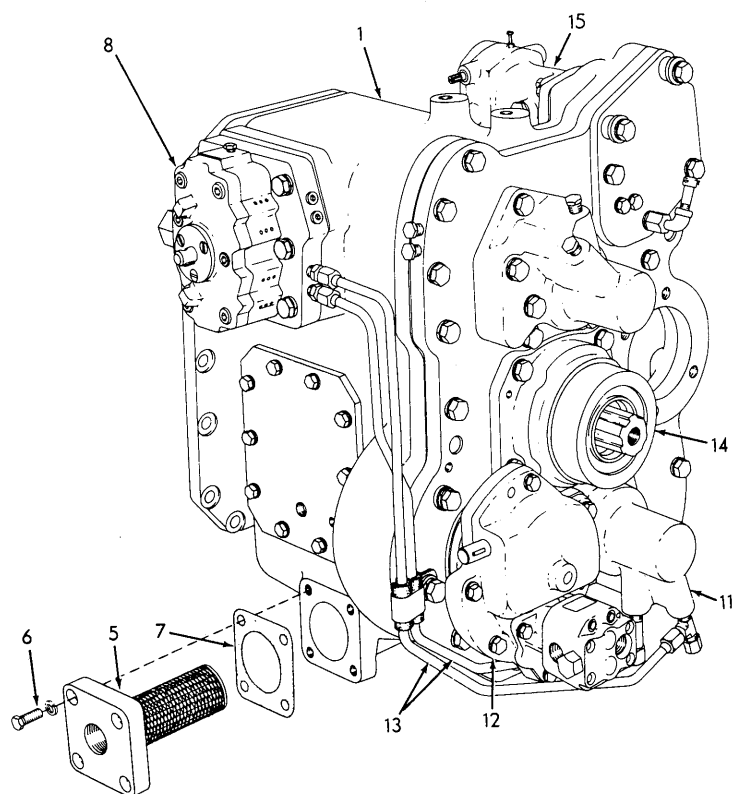
DRIVE SHAFT (Continued)

ITEM	PART NO.	QTY. * **	DESCRIPTION
15	70050547	1 1	WASHER, rear yoke
16	70050548	1 1	SEAL, rear yoke (rubber)
17	70647938	1 1	SHAFT, transmission input
18	70624454	1 -	RETAINER, input shaft bearing (Tractors prior to #16007)
	70647927	1 -	RETAINER, input shaft bearing (Tractors #16007 thru unit #23313)
	70661624	- 1	RETAINER, input shaft bearing
	70919139	- 1	PLUG, pipe, hex-head, 1/8"NPT } Tractors unit #23314 and up
19	70614478	4 4	CAPSCREW, 1/2"NF x 1-3/8"
	70904208	4 4	LOCKWASHER, 1/2"
20	70624692	1 -	GASKET, bearing retainer (Used prior to tractor #16007)
	70633472	1 1	GASKET, bearing retainer (Effective with tractor #16007)
21	70624653	1 1	SEAL, transmission input shaft
22	70624652	1 1	BEARING, ball, transmission input shaft front
23	70624689	1 1	RING, snap, front bearing
24	70624688	1 1	RING, snap, input shaft
25	70624445	1 1	BEARING, roller, transmission input shaft, rear
26	70624687	1 1	RING, snap, rear bearing



LEFT REAR VIEW

T-71204



RIGHT FRONT VIEW

T-70917

— TRANSMISSION —

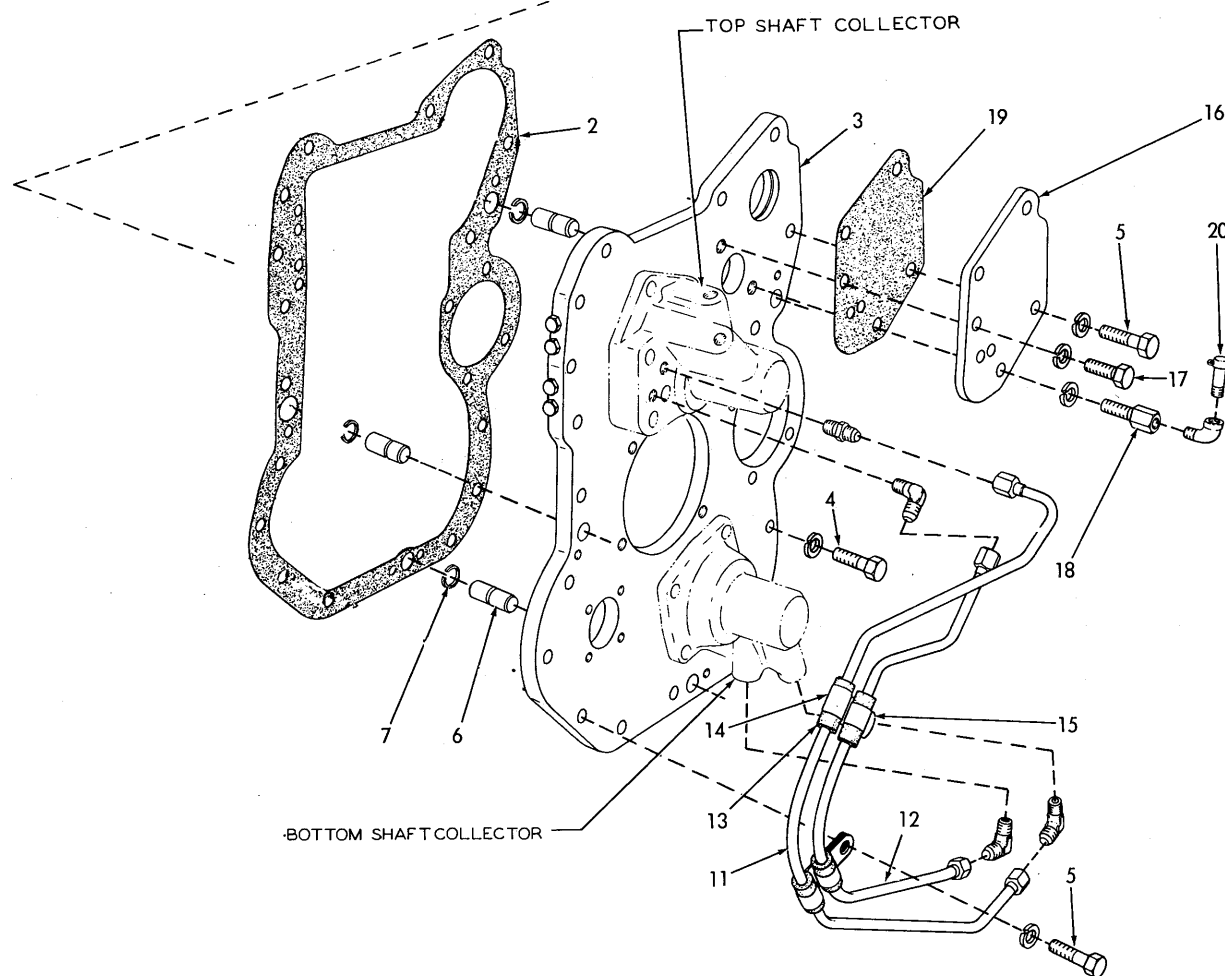
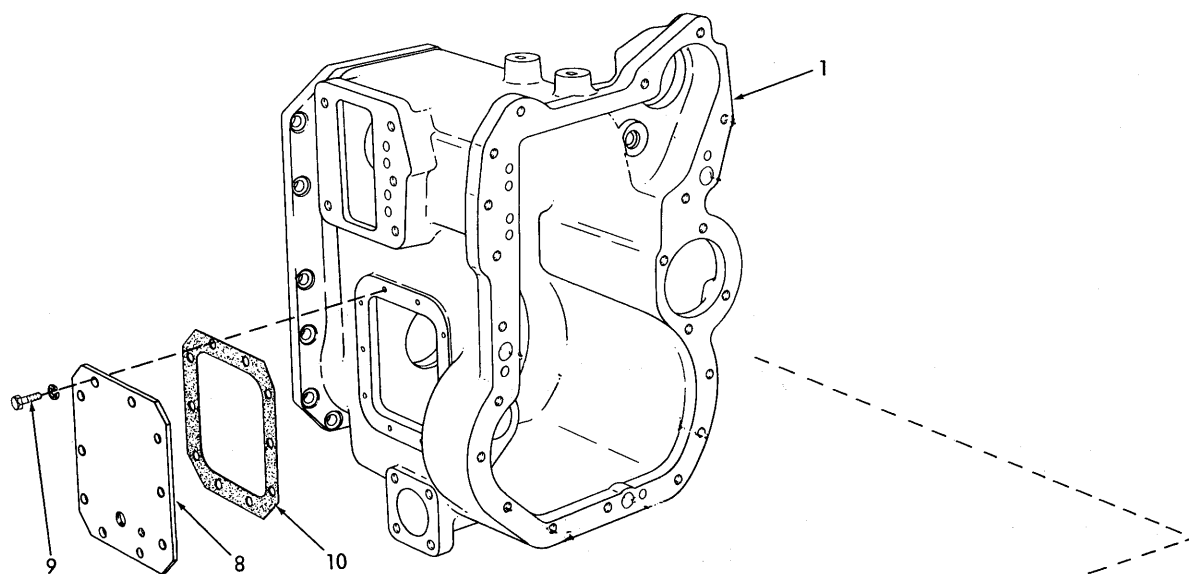
TRANSMISSION

*Tractors prior to serial No. 16007
 **Tractors serial No. 16007 and up

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	

NOTE: Each Transmission Assembly listed below includes items 4 thru 7

1	70624750	1	-	TRANSMISSION ASSY. (Includes GROUND SPEED GOVERNOR and PUSH-START HYDRAULICS)
	70650516	-	1	TRANSMISSION ASSY. (Tractors without GROUND SPEED GOVERNOR or PUSH-START HYDRAULICS)
	70650542	-	1	TRANSMISSION ASSY. (Tractors with GROUND SPEED GOVERNOR only)
	70650559	-	1	TRANSMISSION ASSY. (Tractors with PUSH-START HYDRAULICS only)
	70650554	-	1	TRANSMISSION ASSY. (Tractors with both GROUND SPEED GOVERNOR and PUSH-START HYDRAULICS)
2	70095779	15	-	CAPSCREW, Nylok, 1/2"NC x 1-1/2"
	70648847	-	15	SCREW, 12-point, Nylok, 1/2"NC x 1-1/2"
	70904208	15	15	LOCKWASHER, 1/2"
3	70638194	1	1	GASKET, case to steering clutch housing
4	70924166	1	1	O-RING, transmission sealing
5	70624275	1	1	SCREEN, oil
6	70035190	4	4	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	4	4	LOCKWASHER, 1/2"
7	70624694	1	1	GASKET, oil screen
8	-----	-	-	VALVE, control (See SPEED SHIFT)
9	-----	-	-	See TRANSMISSION TOP SHAFT
10	-----	-	-	See TRANSMISSION PINION SHAFT
11	-----	-	-	See TRANSMISSION BOTTOM SHAFT
12	-----	-	-	See PUSH-START HYDRAULICS
13	-----	-	-	OIL LINES (See TRANSMISSION CASE AND COVERS)
14	-----	-	-	See DRIVE SHAFT
15	-----	-	-	See GROUND SPEED COVERNOR



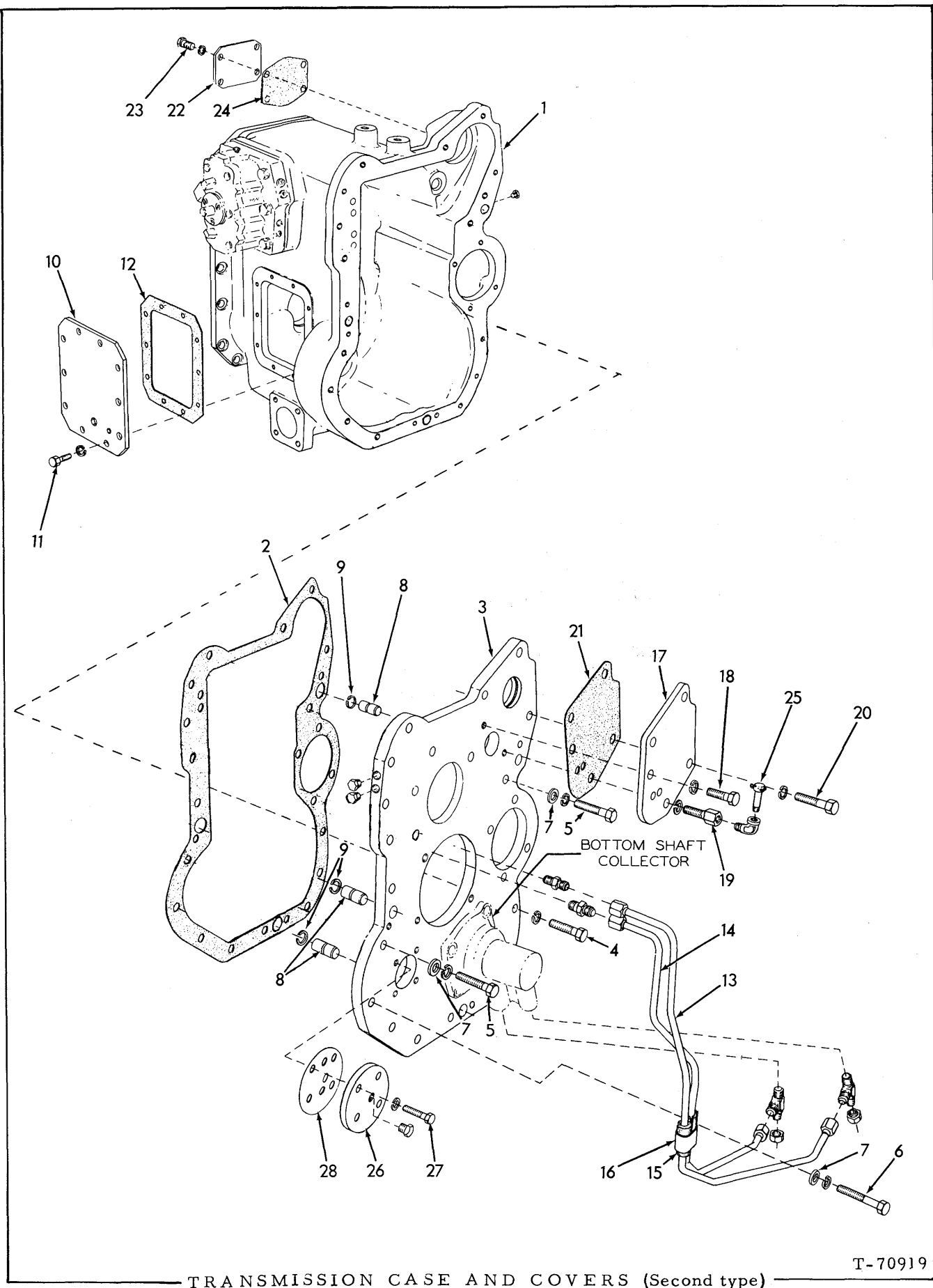
TRANSMISSION CASE AND COVERS (First type)

T-70918

TRANSMISSION CASE AND COVERS

USAGE: Tractors prior to serial No. 16007

ITEM	PART NO.	QTY.	DESCRIPTION
1	70627251	1	CASE, transmission
2	70624813	1	GASKET, front cover
3	70631123	1	COVER, front (If for tractors prior to #14582 also order 70099549 SETSCREW and install per Sketch S-3286)
	70919840	4	PLUG, pipe, hex-hd., 1/4"NPT
4	70916313	11	CAPSCREW, 1/2"NC x 1-3/4"
5	70921556	3	CAPSCREW, 1/2"NC x 2"
	70904208	14	LOCKWASHER, 1/2"
6	70624695	3	PIN, dowel, front cover
7	70623804	3	RING, snap, pin retaining
8	70641655	1	COVER, side
9	70035439	10	CAPSCREW, 3/8"NC x 1"
	70904206	10	LOCKWASHER, 3/8"
10	70624693	1	GASKET, side cover
11	70628143	1	TUBE ASSEMBLY, oil jumper, outer (Includes nuts)
	70919062	1	CONNECTOR, flare type, 3/8" tube, 1/4"NPT male
	70919135	1	ELBOW, flare type, 3/8" tube, 1/4"NPT male
12	70628144	1	TUBE ASSEMBLY, oil jumper, inner (Includes nuts)
	70919135	2	ELBOW, flare type, 3/8" tube, 1/4"NPT male
13	70093751	4	BOOT, tube protecting
14	70092007	2	CLIP, tube supporting (large)
15	70603830	2	CLIP, tube supporting (small)
16	70627364	1	PLATE, closure, governor drive
17	70070469	1	CAPSCREW, 1/2"NF x 1-1/4"
18	70630756	1	CAPSCREW, 1/2"NF x 1-1/4" (drilled for breather)
	70904208	2	LOCKWASHER, 1/2"
19	70627365	1	GASKET, closure plate
20	70051447	1	BREATHING ASSEMBLY (Serviced only as a unit)
	70907059	1	ELBOW, street, 90°, 1/8"NPT



TRANSMISSION CASE AND COVERS (Second type)

T-70919

TRANSMISSION CASE AND COVERS

USAGE: Tractors serial No. 16007 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	70650450	1	CASE, transmission
	70919840	1	PLUG, pipe, hex-hd., 1/4"NPT (Not for units with GROUND SPEED GOVERNOR)
2	70633177	1	GASKET, front cover
3	70633169	1	COVER, front
	70919840	2	PLUG, pipe, hex-hd., 1/4"NPT
4	70035236	11	CAPSCREW, 1/2"NC x 1-3/4" (2 less used on units with PUSH-START HYDRAULICS)
5	70921556	2	CAPSCREW, 1/2"NC x 2"
6	70035712	1	CAPSCREW, 1/2"NC x 2-1/4"
7	70099376	3	WASHER, plain
	70904208	14	LOCKWASHER, 1/2" (2 less used on units with PUSH-START HYDRAULICS)
8	70624695	3	PIN, dowel, front cover
9	70623804	3	RING, snap, pin retaining
10	70641655	1	COVER, side
11	70035439	10	CAPSCREW, 3/8"NC x 1"
	70904206	10	LOCKWASHER, 3/8"
12	70624693	1	GASKET, side cover
13	70633689	1	TUBE ASSEMBLY, oil jumper, outer (Includes nuts)
	70919062	1	CONNECTOR, flare type, 3/8" tube, 1/4"NPT male
	70919483	1	TEE, flare type, 3/8" tube, 1/4"NPT male end
	70919552	1	CAP, flare type, 3/8" tube
14	70633688	1	TUBE ASSEMBLY, oil jumper, inner (Includes nuts)
	70919062	1	CONNECTOR, flare type, 3/8" tube, 1/4"NPT male
	70919483	1	TEE, flare type, 3/8" tube, 1/4"NPT male end
	70919552	1	CAP, flare type, 3/8" tube
15	70093751	2	BOOT, tube protecting
16	70632785	1	CLIP, tube supporting
17	70633834	1	PLATE, closure, governor drive (For units without Ground Speed Governor)
	70627364	1	PLATE, closure, governor drive (For units with Ground Speed Governor)
18	70070469	1	CAPSCREW, 1/2"NF x 1-1/4"
19	70630756	1	CAPSCREW, 1/2"NF x 1-1/4" (drilled for breather)
20	70921556	3	CAPSCREW, 1/2"NC x 2"
	70904208	5	LOCKWASHER, 1/2"
21	70627365	1	GASKET, closure plate
22	70633846	1	PLATE, cover, governor mounting hole
23	70054130	4	CAPSCREW, 5/16"NC x 7/8"
	70904205	4	LOCKWASHER, 5/16"
24	70633847	1	GASKET, governor mounting hole plate

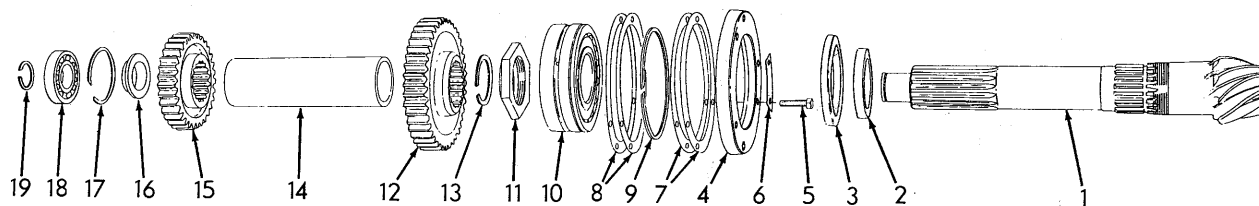
For units without GROUND SPEED GOVERNOR

(Continued)

TRANSMISSION CASE AND COVERS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
25	70051447	1	BREATHING ASSEMBLY (Serviced only as a unit)
	70907059	1	ELBOW, street, 90°, 1/8"NPT
26	70645904	1	COVER, high speed reverse shaft (Not used on units equipped with PUSH-START HYDRAULICS)
	70919840	1	PLUG, pipe, hex-hd., 1/4"NPT
27	70036039	4	CAPSCREW, 3/8"NF x 1-3/8"
	70904206	4	LOCKWASHER, 3/8"
28	70627372	2	SHIM, reverse shaft bearing adjustment (.005" thick)
	70627373	3	SHIM, reverse shaft bearing adjustment (.007" thick)
	70627374	7	SHIM, reverse shaft bearing adjustment (.010" thick)

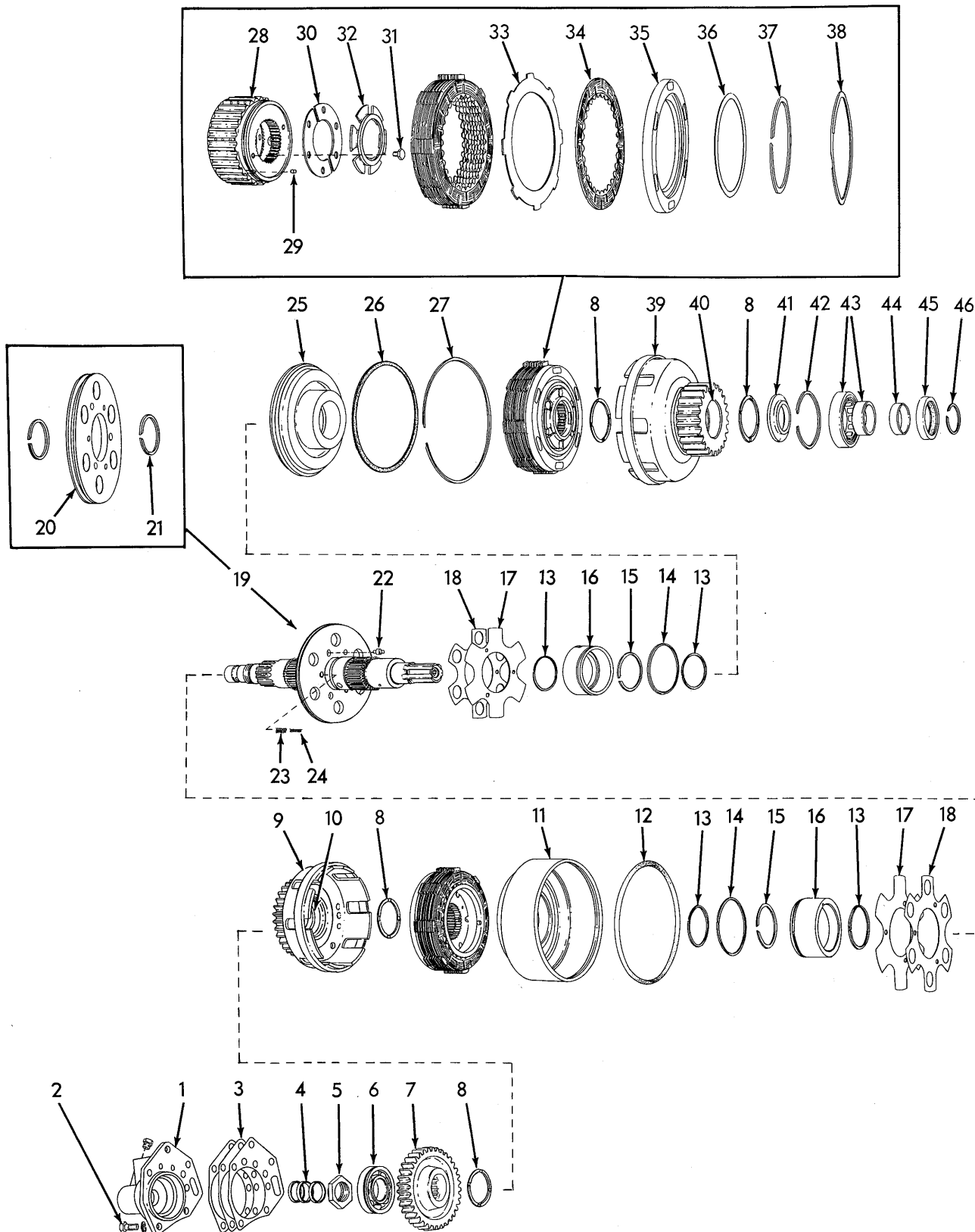
Use as
required



T-38141

TRANSMISSION PINION SHAFT

ITEM	PART NO.	QTY.	DESCRIPTION
1	70624560	1	PINION, bevel (9 teeth)
2	70624782	1	SPACER, rear bearing
3	70648620	1	SEAL, rear bearing retainer
4	70624774	1	RETAINER, rear bearing
5	70070960	6	CAPSCREW, 3/8"NC x 1-1/2"
6	70628018	3	STRIP, cap screw locking
7	70624775	3	SHIM, bearing retainer (.005" thick. Use as req'd)
	70624776	3	SHIM, bearing retainer (.007" thick. Use as req'd)
8	70624777	2	SHIM, pinion adjustment (.005" thick. Use as req'd)
	70624778	2	SHIM, pinion adjustment (.007" thick. Use as req'd)
	70624779	3	SHIM, pinion adjustment (.010" thick. Use as req'd)
9	70627239	1	RING, snap, rear bearing
10	70624649	1	BEARING, roller, rear
11	70624781	1	NUT, bearing retaining
12	70624675	1	GEAR, low speed (42 teeth)
13	70624783	1	RING, snap, low speed gear
14	70624452	1	SLEEVE, gear spacing
15	70624741	1	GEAR, high speed (31 teeth)
16	70624784	1	WASHER, gear retaining
17	70624690	1	RING, snap, front bearing
18	70624654	1	BEARING, roller, front
19	70051344	1	RING, snap, bevel pinion



TRANSMISSION TOP SHAFT

T-70923

TRANSMISSION TOP SHAFT

ITEM	PART NO.	QTY.	DESCRIPTION	
-	70624261	1	CLUTCH AND SHAFT ASSY. (Tractors prior to #21353)	Includes items 8 thru 22 and items 25 thru 40
-	70661929	1	CLUTCH AND SHAFT ASSY. (Tractors #21353 thru unit #23313)	
-	70677387	1	CLUTCH AND SHAFT ASSY. (Tractors unit #23314 thru #25095)	
-	70693533	1	CLUTCH AND SHAFT ASSY. (Tractors unit #25096 and up)(Includes items 8 thru 40)	
1	-----	1	COLLECTOR, oil (Used prior to tractor #14582)(Order 1 each COLLECTOR 70631122, WASHER 70618724, CAPSCREW 70035892 and rework front cover per Sketch S-3335)	
	70631122	1	COLLECTOR, oil (Used on tractor #14582 thru #16006)	
	70632907	1	COLLECTOR, oil (Effective with tractor #16007)	
2	70919840	2	PLUG, pipe, hex-hd., 1/4"NPT	
	70614478	4	CAPSCREW, 1/2"NF x 1-3/8"	
	70035892	2	CAPSCREW, 1/2"NF x 2-1/2" (One additional used on tractors #14582 thru #16006)	
	70904208	6	LOCKWASHER, 1/2"	
	70618724	1	WASHER, copper (Used on tractors #14582 thru #16006)	
3	70624713	9	SHIM, oil collector (.003" thick. Use as required)	
4	70624691	3	SEAL, oil	
5	70079234	1	NUT, bearing retaining (crimp Lock)(Tractors prior to # 21353)	
	70661298	1	NUT, bearing retaining (elastic stop)(Tractors #21353 and up)	
6	70090645	1	BEARING, ball, front	
7	70624676	1	GEAR, high speed (35 teeth)	
8	70624254	4	WASHER, thrust	
9	70624256	1	GEAR AND DRUM ASSY., high speed (Includes item 10)	
10	70648363	1	BUSHING, high speed gear	
11	70624240	1	HOUSING, piston	
12	70624238	1	□O-RING, top shaft separator plate	
13	70624232	4	□RING, sealing, top shaft	
14	70624242	2	□RING, sealing, accelerating piston	
15	70624231	2	RING, snap, piston retaining	
16	70624241	2	PISTON, accelerating (Tractors prior to #21353)	
	70661502	2	PISTON, accelerating (Tractors #21353 thru unit #25095)	
	70693537	2	PISTON, accelerating (Tractors unit #25096 and up)	
17	70624234	2	DISC, valve	
18	70651641	2	DISC, backing (Tractors prior to unit #25096)	
	70693538	2	DISC, backing (Tractors unit #25096 and up)	

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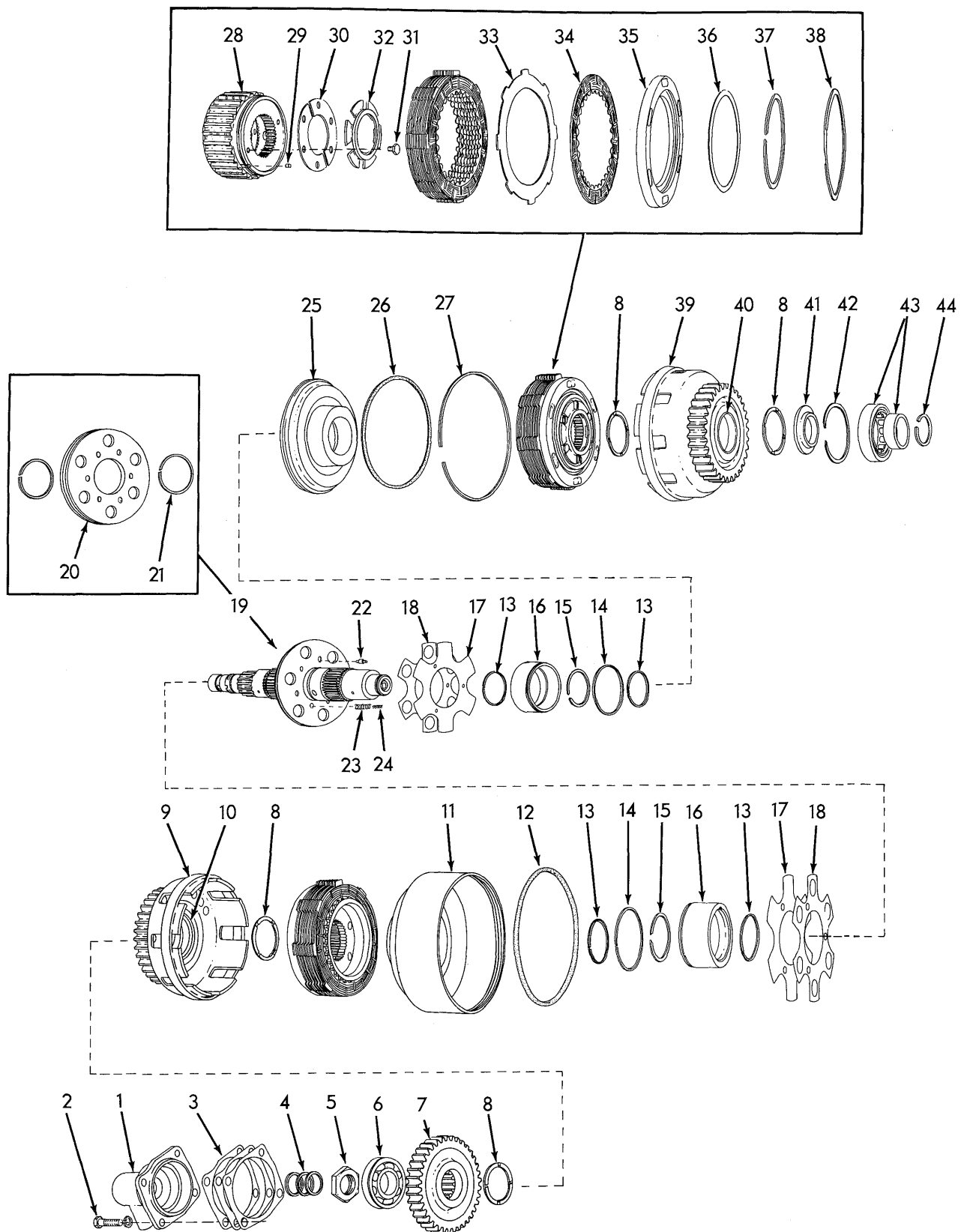
TRANSMISSION TOP SHAFT (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
19	70651647	1	SHAFT ASSY., top (Includes item 20 and 21)(Tractors prior to #21353)(If for Tractors prior to #19244 also order 2 DISCS 70651641 and 3 PINS 70651639)
	70661924	1	SHAFT ASSY., top (Includes items 20 and 21)(Tractors #21353 thru unit #25095)
	70693534	1	SHAFT ASSY., top (Includes items 20 and 21)(Tractors units #25096 and up)
20	70647269	1	PLATE ASSY. (Includes 2 pins)(Used prior to tractor #19244)
	70651643	1	PLATE (Tractor #19244 thru unit #25095)
	70693539	1	PLATE (Tractor unit #25096 and up)
21	70624231	2	RING, snap, plate retaining
22	70624237	3	PIN, valve actuating (straight type)(Used prior to tractor #19244)
	70651639	3	PIN, valve actuating (step type)(Effective with tractor #19244)
23	70687249	6	SPRING, (3/8" O. D.)
24	70687251	6	SPRING, (1/4" O. D.)
			} Tractors unit #25096 and up
25	70624233	1	PISTON, clutch actuating
26	70624236	1	□RING, sealing, actuating piston
27	70624235	1	RING, snap, actuating piston housing
28	70667387	2	HUB ASSY., clutch (Serviced only as a unit)(Tractors prior to unit #23314)
	70677710	2	HUB ASSY., clutch (Service only as a unit)(Tractors unit #23314 and up)
29	70624249	2	PIN, locking, back plate (Tractors prior to unit #23314)
30	70624252	4	RETAINER, clutch hub
31	70624251	4	BOLT
32	70624257	2	SPACER, clutch hub
33	70624245	16	PLATE, friction (steel)
34	70624244	18	PLATE, friction (bronze)(Tractors prior to unit #25096)
	70693536	18	PLATE, friction (bronze)(Tractors unit #25096 and up)
35	70624246	2	PLATE, back, clutch hub (Tractors prior to unit #23314)
	70677709	2	PLATE, back, clutch hub (Tractors #23314 and up)
36	70624247	2	RETAINER, locking pin (Tractors prior to unit #23314)
37	70624248	2	RING, snap, clutch hub (Tractors prior to unit #23314)
	70927667	2	RING, snap, clutch hub (Tractors unit #23314 and up)

(Continued)

TRANSMISSION TOP SHAFT (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
38	70624250	2	RING, snap, back plate (Tractors prior to unit #23314)
	70927666	2	RING, snap, back plate (Tractors unit #23314 and up)
39	70624255	1	GEAR AND DRUM ASSY., low speed (Includes item 40)
40	70648362	1	BUSHING, low speed gear
41	70624446	1	WASHER, thrust, rear bearing
42	70624690	1	RING, snap, bearing retaining
43	70624654	1	BEARING, roller, rear
44	70624748	1	SPACER, rear bearing
45	70624650	1	SEAL, oil
46	70051344	1	RING, snap, top shaft, rear
47	70642894	-	RING KIT (Includes full set for top shaft; items 12, 13, 14 and 26) (Not illustrated)



TRANSMISSION BOTTOM SHAFT

T-70922

TRANSMISSION BOTTOM SHAFT

ITEM	PART NO.	QTY.	DESCRIPTION	
-	70624262	1	CLUTCH AND SHAFT ASSY. (Used prior to tractor #16007)	Includes items 8 thru 22 and items 25 thru 40
-	70633238	1	CLUTCH AND SHAFT ASSY. (Tractors #16007 thru #21352)	
-	70661999	1	CLUTCH AND SHAFT ASSY. (Tractors #21353 thru unit #23313)	
-	70677386	1	CLUTCH AND SHAFT ASSY. (Tractors unit #25095)	
-	70693532	1	CLUTCH AND SHAFT ASSY. (Tractors unit #25096 and up)(Includes items 8 thru 40)	
1	70624773	1	COLLECTOR, oil	
2	70614478	4	CAPSCREW, 1/2"NF x 1-3/8"	
	70904208	4	LOCKWASHER, 1/2"	
3	70624712	9	SHIM, oil collector (.003 thick. Use as required)	
4	70624691	3	SEAL, oil	
5 {	70079234	1	NUT, bearing retaining (crimp lock)(Tractors prior to #21353)	
	70661298	1	NUT, bearing retaining (elastic stop)(Tractors #21353 and up)	
6	70090645	1	BEARING, ball, front	
7	70624677	1	GEAR, high speed reverse (37 teeth)	
8	70624254	4	WASHER, thrust	
9 {	70624260	1	GEAR AND DRUM ASSY., high speed reverse (26 teeth. Includes item 10)(Used prior to tractor #16007)	
	70633237	1	GEAR AND DRUM ASSY., high speed reverse (32 teeth. Includes item 10)(Effective with tractor #16007)	
10	70648363	1	BUSHING, high speed reverse gear	
11	70624240	1	HOUSING, piston	
12	70624238	1	□O-RING, bottom shaft separator plate	
13	70624232	4	□RING, sealing	
14	70624242	2	□RING, sealing, accelerating piston	
15	70624231	2	RING, snap, piston retaining	
16 {	70624241	2	PISTON, accelerating (Tractors prior to #21353)	
	70661502	2	PISTON, accelerating (Tractors #21353 thru unit #25095)	
	70693537	2	PISTON, accelerating (Tractors unit #25096 and up)	
17	70624234	2	DISC, valve	

(Continued)

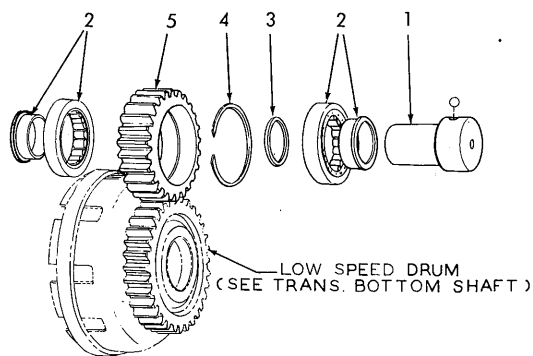
TRANSMISSION BOTTOM SHAFT (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
18	70651641	2	DISC, backing (Tractors prior to unit #25096)
	70693538	2	DISC, backing (Tractors unit #25096 and up)
19	70651646	1	SHAFT ASSY., bottom (Includes item 20 and 21)(Tractors prior to #21353. If for tractors prior to #19244 also order 2 DISCS 70651641 and 3 PINS 70651639)
	70661998	1	SHAFT ASSY., bottom (Includes items 20 and 21)(Tractors #21353 thru unit #25095)
	70693535	1	SHAFT ASSY., bottom (Includes items 20 and 21)(Tractors unit #25096 and up)
20	70647269	1	PLATE ASSY. (Includes 3 pins)(Tractors prior to #19244)
	70651643	1	PLATE (Tractors #19244 thru unit #25095)
	70693539	1	PLATE (Tractors unit #25096 and up)
21	70624231	2	RING, snap, plate retaining
22	70624237	3	PIN, valve actuating (straight type)(Tractors prior to #19244)
	70651639	3	PIN, valve actuating (step type)(Tractors #19244 and up)
23	70687249	6	SPRING (3/8" O. D.)
24	70687251	6	SPRING (1/4" O. D.)
			} Tractors unit #25096 and up
25	70624233	1	PISTON, clutch actuating
26	70624236	1	□RING, sealing, actuating piston
27	70624235	1	RING, snap, actuating piston housing
28	70667387	1	HUB ASSY., clutch (Service only as a unit)(Tractors prior to unit #23314)
	70677710	1	HUB ASSY., clutch (Service only as a unit)(Tractors unit #23314 and up)
29	70624249	2	PIN, locking, back plate (Tractors prior to unit #23314)
30	70624252	4	RETAINER, clutch hub
31	70624251	4	BOLT
32	70624257	2	SPACER, clutch hub
33	70624245	16	PLATE, friction (steel)
34	70624244	18	PLATE, friction (bronze)(Tractors prior to unit #25096)
	70693536	18	PLATE, friction (bronze)(Tractors unit #25096 and up)
35	70624246	2	PLATE, back (Tractors prior to unit #23314)
	70677709	2	PLATE, back (Tractors unit #23314 and up)
36	70624247	2	RETAINER, locking pin (Tractors prior to unit #23314)

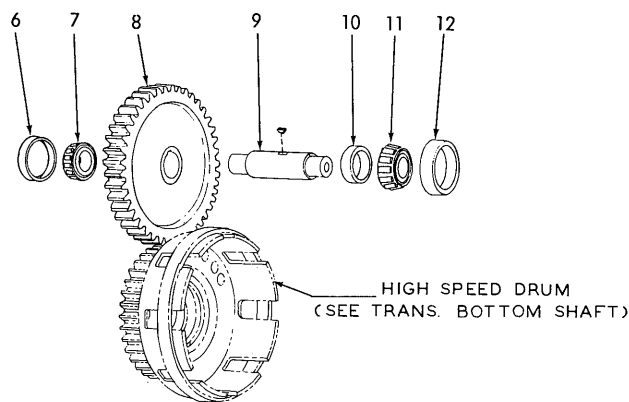
(Continued)

TRANSMISSION BOTTOM SHAFT (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
37	70624248	2	RING, snap, clutch hub (Tractors prior to unit #23314)
	70927667	2	RING, snap, clutch hub (Tractors unit #23314 and up)
38	70624250	2	RING, snap back plate (Tractors prior to unit #23314)
	70927666	2	RING, snap back plate (Tractors unit #23314 and up)
39	70624259	1	GEAR AND DRUM ASSY., low speed reverse (Includes item 40)
40	70648362	1	BUSHING, low speed reverse gear
41	70624446	1	WASHER, thrust, rear bearing
42	70624690	1	RING, snap, bearing retaining
43	70624654	1	BEARING, roller, rear
44	70051344	1	RING, snap, bottom shaft, rear
45	70642894	-	RING KIT (Includes full set for bottom shaft; items 12, 13, 14 and 26)(Not illustrated)



LOW SPEED



HIGH SPEED

TRANSMISSION REVERSE SHAFTS

T-72861

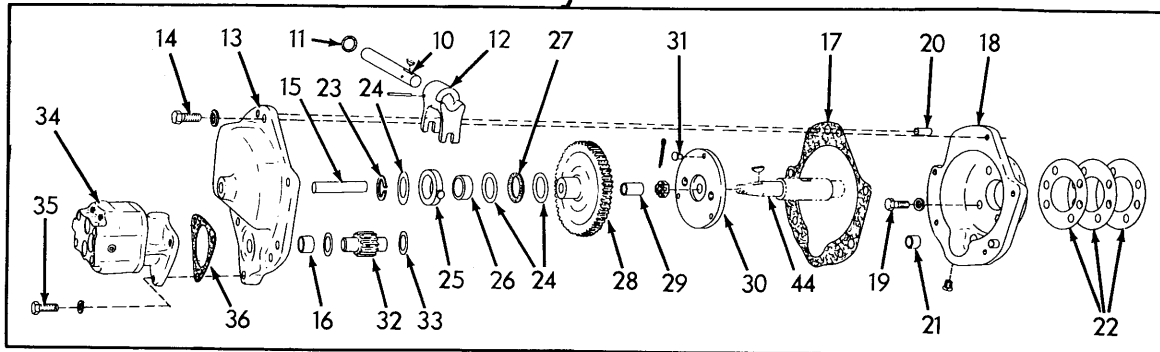
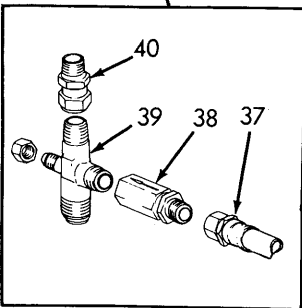
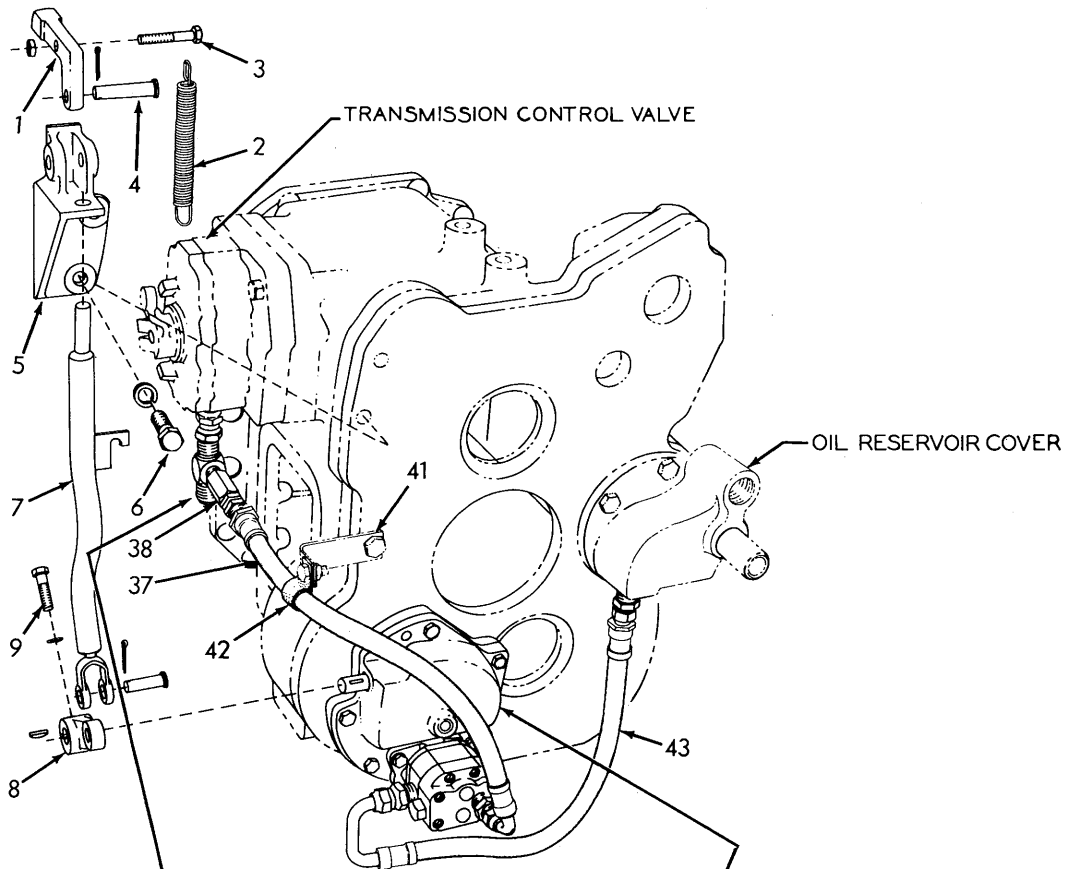
*Low speed
**High speed

ITEM	PART NO.	QTY. * **	DESCRIPTION
1	70624556	1 -	SHAFT
	70905359	1 -	BALL, steel, 5/16" diam.
2	70624656	2 -	BEARING, roller
3	70624803	1 -	SPACER, bearing
4	70624690	1 -	RING, snap, bearing spacing
5	70624743	1 -	GEAR (25 teeth)
6	70228153	- 1	CUP, front bearing
7	70228152	- 1	CONE ASSY., front bearing
8	70624742	- 1	GEAR (40 teeth)(Used prior to tractor #16007)
	70633186	- 1	GEAR (41 teeth)(Effective with tractor #16007)
9	70627278	- 1	SHAFT (Used prior to tractor #16007)
	70633218	- 1	SHAFT (Effective with tractor #16007. For units with PUSH-START HYDRAULICS only. Standard on tractors prior to #18380; special equipment thereafter)
	70645905	- 1	SHAFT (Effective with tractor #18380. For units without PUSH-START HYDRAULICS)
	70905845	- 1	KEY, #A woodruff, 1/4" x 7/8"
10	70627264	- 1	SPACER (3/8" long)(Used prior to tractor #16007)
	70633217	- 1	SPACER (1/2" long)(Effective with tractor #16007)

(Continued)

TRANSMISSION REVERSE SHAFTS (Continued)

ITEM	PART NO.	QTY. * **	DESCRIPTION
11	70228152	- 1	CONE ASSY., rear bearing (Used prior to tractor #16007)
	70633705	- 1	CONE ASSY., rear bearing (Effective with tractor #16007)
12	70228153	- 1	CUP, rear bearing (Used prior to tractor #16007)
	70633704	- 1	CUP, rear bearing (Effective with tractor #16007)



PUSH-START HYDRAULICS

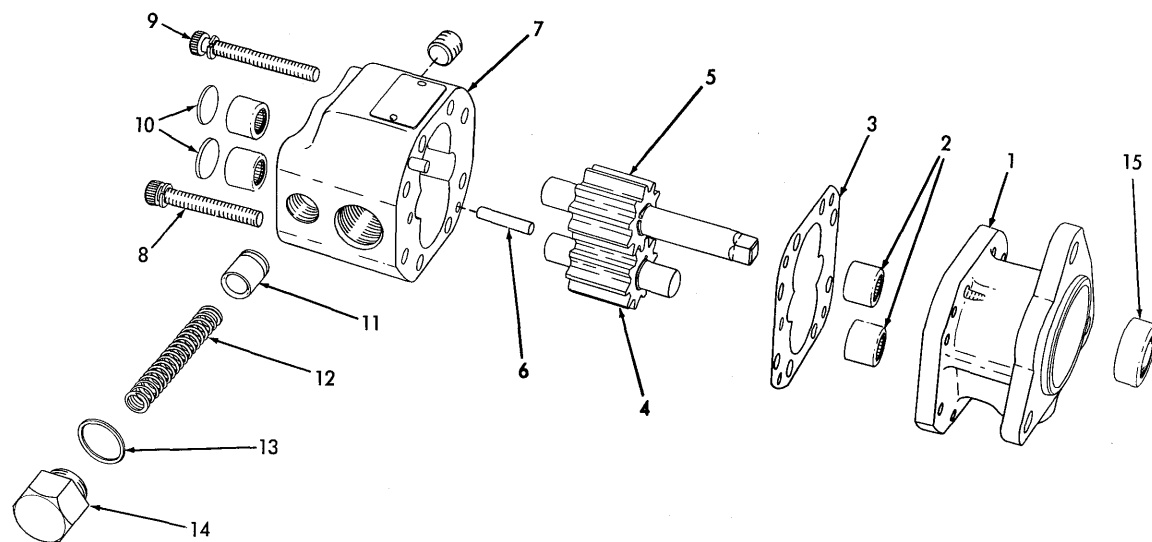
USAGE: Standard on tractors prior to serial No.18380 ; special equipment thereafter.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70628043	1	LEVER, operating
2	70051585	1	SPRING, operating lever
3	70916280	1	CAPSCREW, operating lever (5/16"NC x 2")
	70906652	1	NUT, jam, 5/16"NC
4	70033074	1	PIN, operating lever
	70900806	1	PIN, cotter, 1/8" x 1"
5	70628044	1	BRACKET, operating lever
6	70916314	2	CAPSCREW, 1/2"NC x 2"
	70904208	2	LOCKWASHER, 1/2"
7	70627362	1	ROD, control (Used prior to tractor #16007)
	70633749	1	ROD, control (Effective with tractor #16007)
	70917648	1	PIN, yoke, 1/2" diam.
	70900806	1	PIN, cotter, 1/8" x 1"
8	70628022	1	LEVER, cross shaft, outer
	70905121	1	KEY, #5 woodruff, 1/8" x 5/8"
9	70919225	1	CAPSCREW, 3/8"NC x 1-3/8"
	70904206	1	LOCKWASHER, 3/8"
10	70627324	1	SHAFT, cross
11	70624443	1	SEAL, cross shaft
12	70627327	1	LEVER, cross shaft, inner
	70905121	1	KEY, #5 woodruff, 1/8" x 5/8"
	70919761	1	PIN, spring, 1/8" x 1-1/4"
13	70624458	1	HOUSING ASSEMBLY, driving gear, front (Includes items 15 and 16)
14	70035439	5	CAPSCREW, 3/8"NC x 1"
	70904206	5	LOCKWASHER, 3/8"
15	70624439	1	PIN, gear supporting
16	70628079	1	BUSHING, front gear housing
17	70628013	1	GASKET, gear housing
18	70628087	1	HOUSING ASSEMBLY, driving gear, rear (Includes items 20 and 21)
	70919134	1	PLUG, pipe, hex-hd., 1/8"NPT
19	70036039	4	CAPSCREW, 3/8"NF x 1-3/8"
	70904206	4	LOCKWASHER, 3/8"
20	70080881	2	DOWEL, rear gear housing
21	70628079	1	BUSHING, rear gear housing
22	70627372	2	SHIM, gear housing (.005" thick. Use as required)
	70627373	3	SHIM, gear housing (.007" thick. Use as required)
	70627374	7	SHIM, gear housing (.010" thick. Use as required)
23	70628161	1	RING, snap, driving gear

(Continued)

PUSH-START HYDRAULICS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
24	70627266	3	RACE, bearing thrust
25	70628137	1	YOKE ASSY., shifting (Includes item 26)
26	70623841	1	BUSHING, shifting yoke
27	70627265	1	BEARING, thrust
28	70628142	1	GEAR ASSY., driving (54 teeth. Includes item 29)
29	70628141	1	BUSHING, driving gear
30	70630387	1	DISC ASSY., friction (Includes item 31)
	70905123	1	KEY, #9 woodruff, 3/16" x 3/4"
	70910867	1	NUT, slotted, 1/2"NF
	70900807	1	PIN, cotter, 1/8" x 1-1/4"
31	70631632	3	PIN, friction disc
32	70627320	1	GEAR, driving (12 teeth)
33	70627310	2	RACE, thrust
34	70623316	1	PUMP ASSY., oil (Used prior to December 1970)(See page 141 for parts)
	70676308	1	PUMP ASSY., oil (Effective December 1970)(See page 141)
35	70921194	3	CAPSCREW, Nylok, 5/16"NC x 7/8"
	70904205	3	LOCKWASHER, 5/16"
36	74376605	1	GASKET, oil pump
37	70646144	1	HOSE, pump to valve (See HOSE PARTS)
	70919128	1	CONNECTOR, flare type, 1/2" tube, 1/2"NPT male
38	70628135	1	VALVE, check
39	70628244	1	CROSS, oil distributing
	70921467	1	CAP, flare type, 1/4" tube
40	70032031	1	UNION, adapting
41	-----	1	ANGLE, hose supporting (See TORQUE CONVERTER CHARGING AND RETURN LINES)
42	70094467	1	CLIP, hose supporting (3/4" diam.)(Used prior to tractor #18193)
	70644713	1	CLIP, hose supporting (7/8" diam.)(Effective with tractor #18193)
43	70646126	1	HOSE, oil reservoir to pump (See HOSE PARTS)
	70919128	2	CONNECTOR, flare type, 1/2" tube, 1/2"NPT male
44	-----	1	SHAFT, idler gear (See TRANSMISSION BOTTOM SHAFT)



OIL PUMP ASSEMBLY

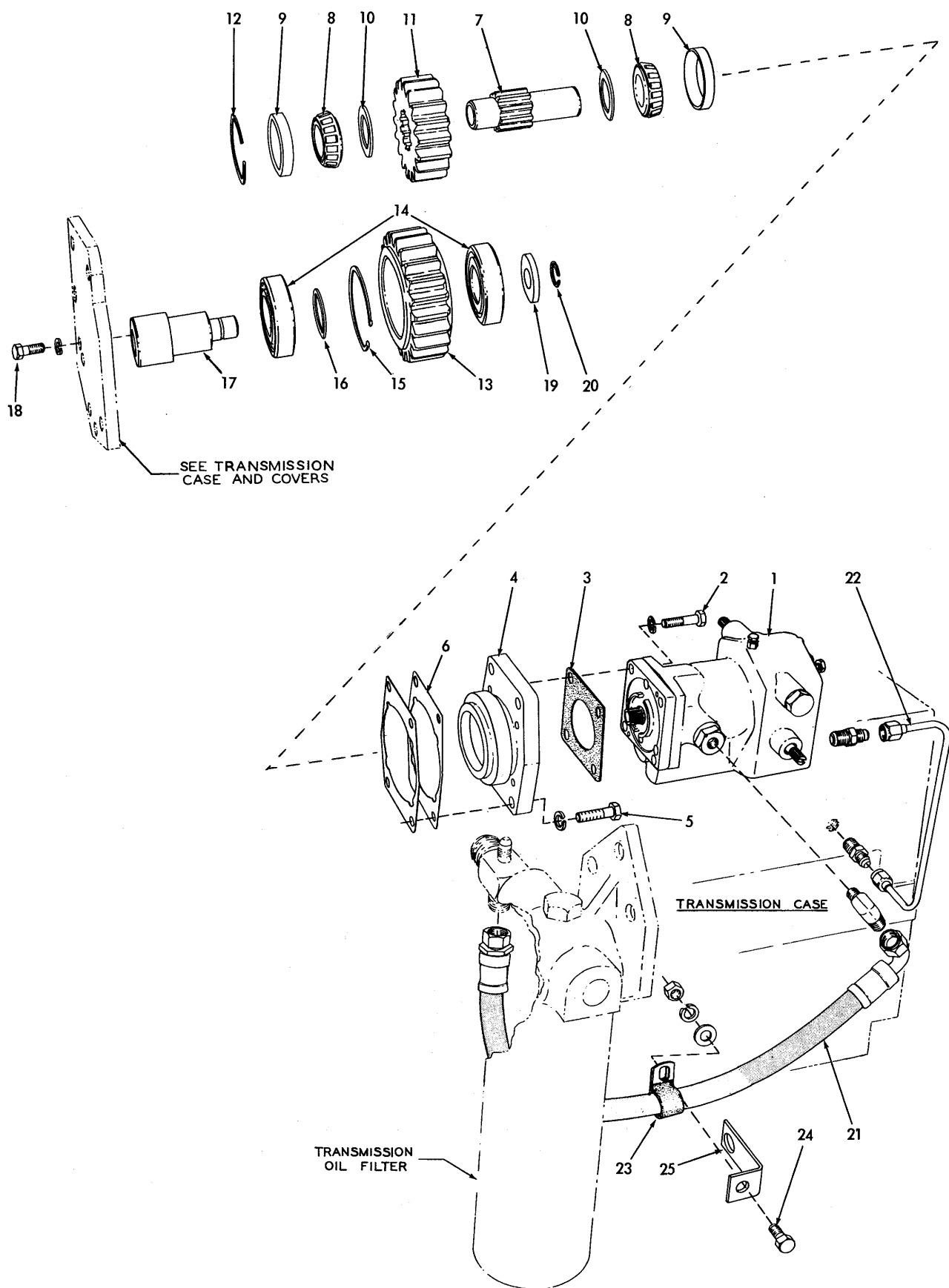
T-30900

USAGE: See page 139

* PUMP ASSEMBLY 70623316

** PUMP ASSEMBLY 70676308

ITEM	PART NO.	QTY.		DESCRIPTION	
		*	**		
1	-----	1	1	STATOR (Not serviced separately)	
2	70077241	4	4	BEARING, needle	
3	70621363	1	1	GASKET, pump housing	
4	{ 70098394	1	-	SHAFT ASSY., idler	Each includes gear. Serviced only as a unit
	{ 70682503	-	1	SHAFT ASSY., idler	
5	70623845	1	-	SHAFT ASSY., driving	Each includes gear. Serviced only as a unit
	70682504	-	1	SHAFT ASSY., driving	
6	74048000	2	2	PIN, dowel, pump housing	
7	-----	1	1	HOUSING, gear (Not serviced separately)	
	70910231	1	-	PLUG, pipe, hex-socket, 1/8"NPT	
8	{ 70622083	4	-	SCREW ASSY., short (Includes lockwasher)	
	{ 70923448	-	4	CAPSCREW, 12-pt., 1/4"NC x 1-3/4"	
9	{ 70623834	4	-	SCREW ASSY., long (Includes lockwasher)	
	{ 70922424	-	4	CAPSCREW, 12-pt., 1/4"NC x 2"	
	70910285	-	8	LOCKWASHER, 1/4"	
10	70092107	2	-	PLUG, expansion, 11/16" diam.	
11	70623835	1	1	PLUNGER, pressure relief valve	
12	70623838	1	1	SPRING, pressure relief valve	
13	70623837	1	1	GASKET, pressure relief valve cap	
14	70623836	1	1	CAP, pressure relief valve	
15	74047783	1	1	SEAL, oil	

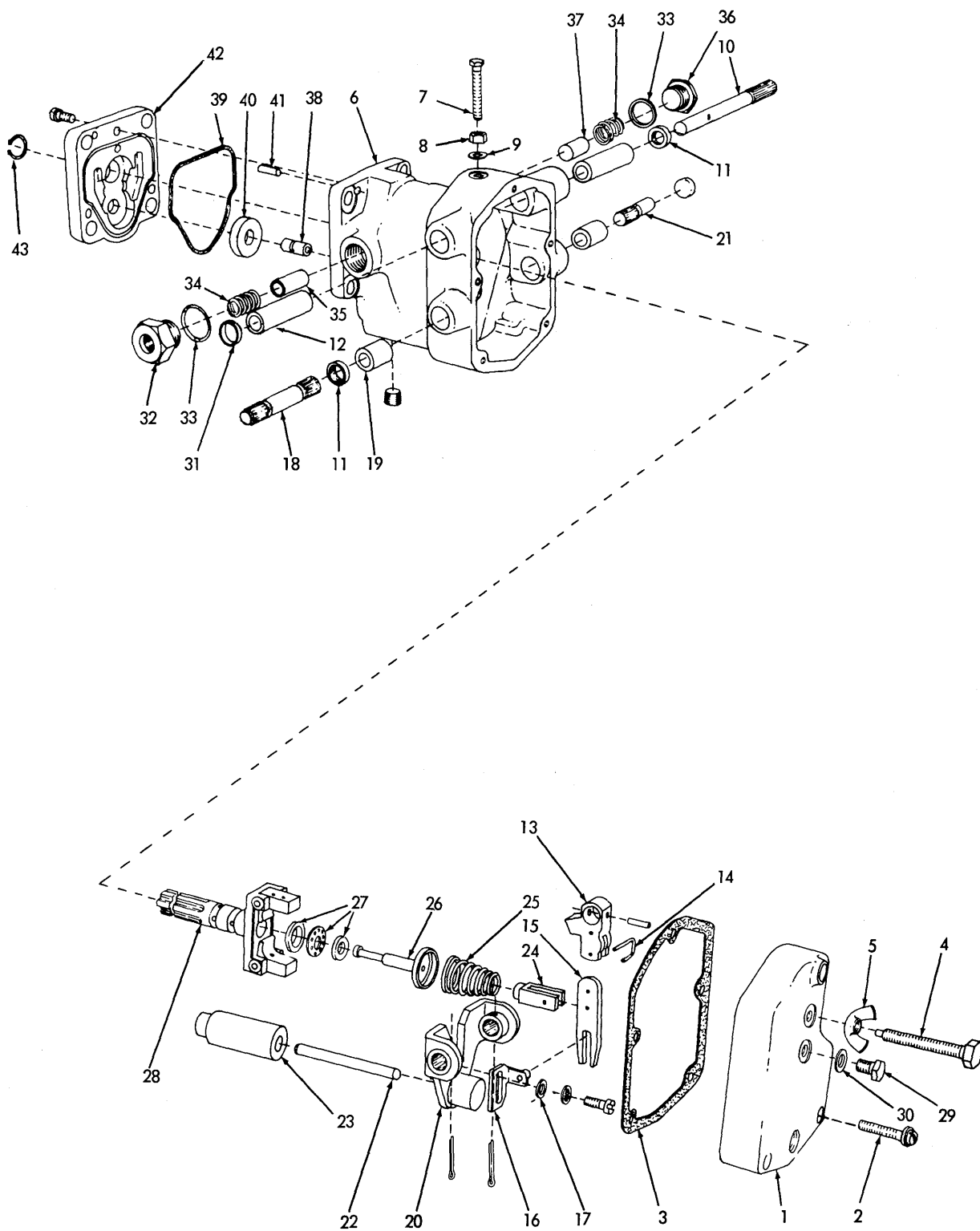


GROUND SPEED GOVERNOR

T-70911

GROUND SPEED GOVERNOR

ITEM	PART NO.	QTY.	DESCRIPTION
1	70638088	1	GOVERNOR ASSEMBLY (See page 145 for parts)
2	70037450	4	CAPSCREW, 5/16"NC x 1-1/4"
	70904205	4	LOCKWASHER, 5/16"
3	70624706	1	GASKET, governor mounting
4	70631837	1	RETAINER, governor drive shaft bearing
5	70037450	4	CAPSCREW, 5/16"NC x 1-1/4"
	70904205	4	LOCKWASHER, 5/16"
6	70624709	10	SHIM, bearing retainer (.005" thick. Use as required)
	70624710	5	SHIM, bearing retainer (.007" thick. Use as required)
7	70624708	1	SHAFT, governor drive
8	70624704	2	CONE ASSEMBLY, drive shaft bearing
9	70624705	2	CUP, drive shaft bearing
10	70624711	2	SPACER, drive shaft bearing
11	70624744	1	GEAR, drive (18 teeth)
12	70624648	1	RING, snap, bearing retaining
13	70624745	1	GEAR, idler (22 teeth)
14	70624657	2	BEARING, roller, idler gear
15	70624740	1	RING, snap, idler gear
16	70624696	1	SPACER, idler gear bearing
17	70624453	1	SHAFT, idler gear
18	70035167	2	CAPSCREW, 3/8"NF x 7/8"
	70904206	2	LOCKWASHER, 3/8"
19	70624451	1	SPACER, retaining, idler gear bearing
20	70624447	1	RING, snap, idler gear shaft
21	70628131	1	HOSE ASSEMBLY, filter to governor (See HOSE PARTS) (Used prior to tractor #16007)
	70646128	1	HOSE, filter to governor (See HOSE PARTS) (Effective with tractor #16007)
	70919088	1	ELBOW, flare type, 3/8" tube, 1/8"NPT male
22	70630091	1	TUBE ASSEMBLY, governor to transmission case (Includes nuts)
	70919140	2	CONNECTOR, flare type, 1/4" tube, 1/4"NPT male
23	70094422	1	CLIP, hose supporting (5/8" diam.)(Used prior to tractor #18193)
	70621304	1	CLIP, hose supporting (3/4" diam.)(Effective with tractor #18193)
24	70916269	1	CAPSCREW, 3/8"NC x 7/8"
	70911115	1	WASHER, plain, SAE std., 3/8"
	70904206	1	LOCKWASHER, 3/8"
	70911026	1	NUT, 3/8"NC
25	70628243	1	ANGLE, hose supporting (Used prior to tractor #16007)
	70633497	1	ANGLE, hose supporting (Effective with tractor #16007)



GOVERNOR ASSEMBLY 638088

T-33411

GOVERNOR ASSEMBLY 70638088

USAGE: See page 143

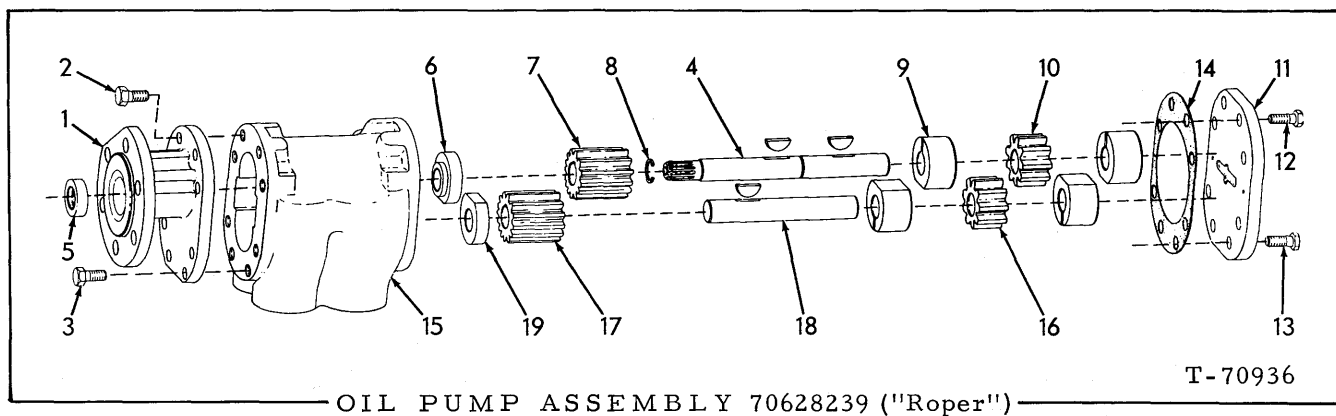
*Early units
 **Late units

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	70628401	1	-	COVER
	70684701	-	1	COVER
2	70638236	3	3	SCREW ASSY. (Includes lockwasher)
3	70628399	1	1	GASKET, cover to case
4	70629890	1	1	SCREW, low speed adjustment
5	70628402	-	1	WASHER, 1/4" diam.
	70628378	1	-	NUT, wing, 1/4"NF
	70684699	-	1	NUT, elastic stop, 1/4"NF
6	70629909	1	1	CASE ASSY. (Includes items 12, 19 and 38)
	70910238	1	1	PLUG, pipe, hex-socket, 1/8"NPT
7	70628382	1	-	CAPSCREW, high speed adjustment
	74052052	-	1	CAPSCREW, high speed adjustment
8	70628381	1	1	NUT, hex. #10-32NF
9	70631106	1	1	WASHER, high speed adjustment capscrow
10	70629887	1	1	SHAFT, speed control
11	70629898	2	2	SEAL, oil
12	70629900	2	-	BEARING, plain, speed control shaft
13	70629881	1	1	LEVER, speed control
	70919180	1	1	PIN, roll, 1/8" x 5/8"
14	70629879	1	1	PIN, speed control lever
15	70629882	1	1	LEVER, floating
16	70629895	1	1	BRACKET ASSY., speed drop adjustment (Includes pin)
	70901781	1	-	SCREW, machine, fil-hd. #10-32NF x 1/2"
	70904371	-	1	SCREW, machine, fil-hd. #10-32NF x 3/8"
	70909055	1	-	LOCKWASHER, int-tooth #10
	74050778	-	1	LOCKWASHER
17	70629901	1	1	WASHER, plain
18	70629886	1	1	SHAFT, terminal
19	70629899	2	-	BEARING, plain, terminal shaft
20	70629894	1	1	LEVER, terminal shaft
	70900801	2	2	PIN, cotter, 3/32" x 3/4"
21	70629885	1	1	SHAFT, stub, terminal shaft lever
22	70629907	1	1	PIN, power piston
23	70629884	1	1	PISTON, power

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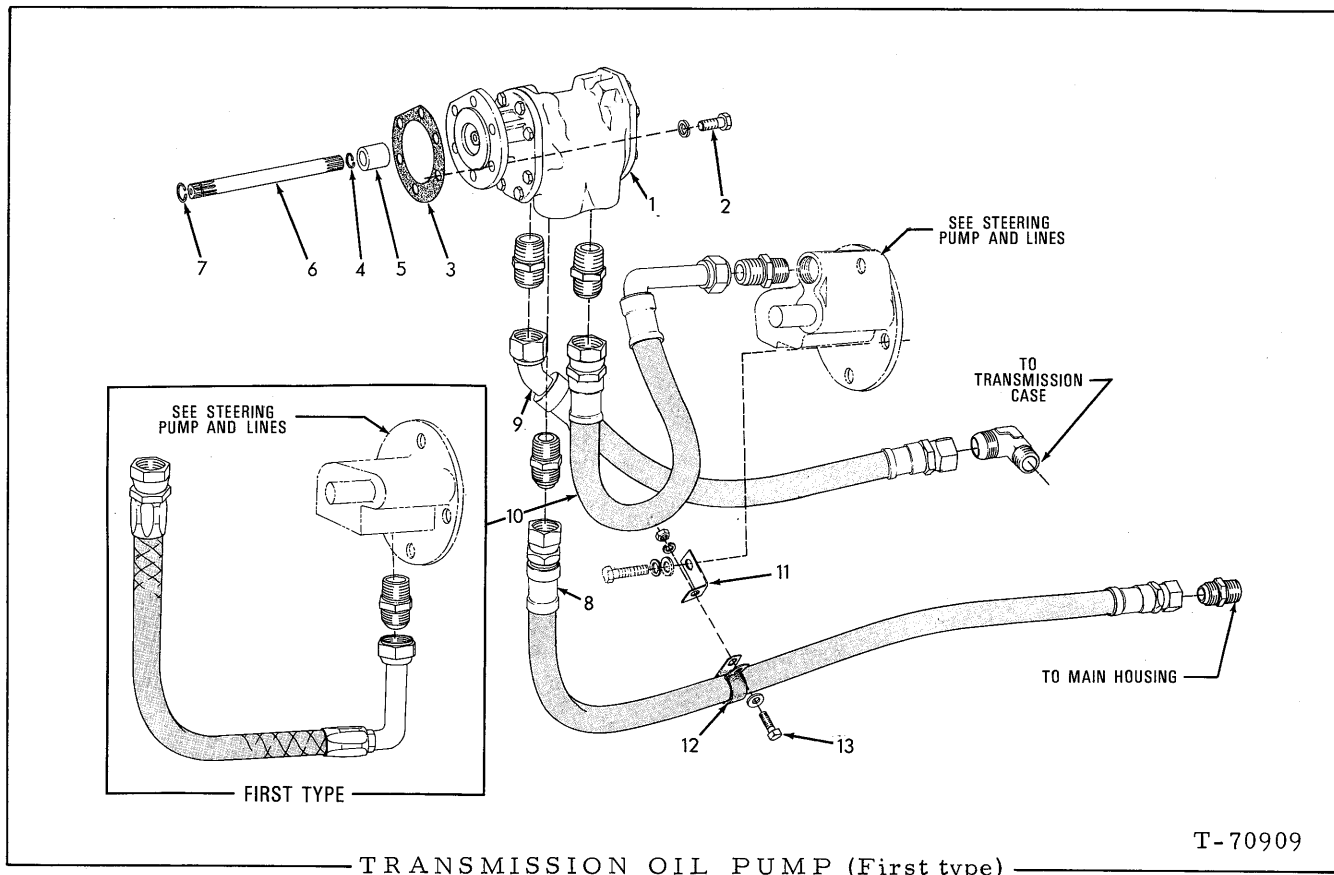
GOVERNOR ASSEMBLY 70638088 (Continued)

ITEM	PART NO.	QTY. * **	DESCRIPTION
24	70629897	1 1	FORK, ballhead spring
25	70638323	1 1	SPRING, ballhead
26	70629888	1 1	PLUNGER, ballhead
27	70628384	1 1	BEARING, thrust, ballhead plunger
28	70634427	1 1	BALLHEAD ASSY. (Includes weights. Serviced only as a balanced unit)
29	70628403	1 1	CAPSCREW, vent
30	70628402	1 1	WASHER, vent capscREW
31	70629908	2 2	PLUG, cup, governor case
32	70629892	1 1	PLUG, oil inlet
33	70629902	2 2	WASHER, oil inlet plug
34	70629904	2 -	SPRING, oil inlet sleeve
35	70629891	1 -	SLEEVE, oil inlet
36	70629893	1 1	PLUG, governor case
37	70629889	1 -	PLUG, oil passage
38	-----	1 -	STUD, locating, base spacer
39	70628392	1 -	RING, sealing, governor base
	70684703	- 1	GASKET, sealing, governor base
40	70628391	1 -	SPACER, governor base
41	70629906	2 -	PIN, dowel (Standard size)
	70684702	- 2	PIN, dowel (Standard size)
	70630578	2 -	PIN, dowel (Oversize)
42	70628388	1 -	BASE
	70684700	- 1	BASE
	70901223	3 3	SCREW, machine, fil-hd., #12-24NC x 1/2"
43	70628389	1 1	RING, snap, ballhead



USAGE: See page 148

ITEM	PART NO.	QTY.	DESCRIPTION
1	70630315	1	PLATE, adapting
2	70045312	4	CAPSCREW, 5/16"NC x 3/4"
3	70630330	4	STUD (1/16"NPT)
	70911025	4	NUT, 5/16"NC
	70045312	4	CAPSCREW, 5/16"NC x 3/4"
			Pumps prior to serial No. C44620
4	70630317	1	SHAFT, drive
	70921716	2	KEY, hi-pro, 1/8" x 3/4"
5	70630327	1	SEAL, drive shaft
6	70630324	1	BEARING, drive shaft (narrow)
7	70630320	1	GEAR, drive shaft (wide)
8	70630328	1	RING, snap, drive shaft
9	70630323	4	BEARING, pump shaft (wide)
10	70630322	1	GEAR, drive shaft (narrow)
11	70630316	1	PLATE, rear
12	70045312	4	CAPSCREW, 5/16"NC x 3/4"
13	70630330	4	STUD (1/16"NPT)
	70911025	4	NUT, 5/16"NC
	70045312	4	CAPSCREW, 5/16"NC x 3/4"
			(Pump S/N C44620 and up)
14	70630326	2	GASKET, gear case
15	70630329	1	CASE, gear (If for pumps prior to S/N C44620 also order 8 CAPSCREWS 70045312)
16	70630321	1	GEAR, idler shaft (narrow)
17	70630319	1	GEAR, idler shaft (wide)
18	70630318	1	SHAFT, idler
	70921716	1	KEY, hi-pro, 1/8" x 3/4"
19	70630325	1	BEARING, idler shaft (narrow)



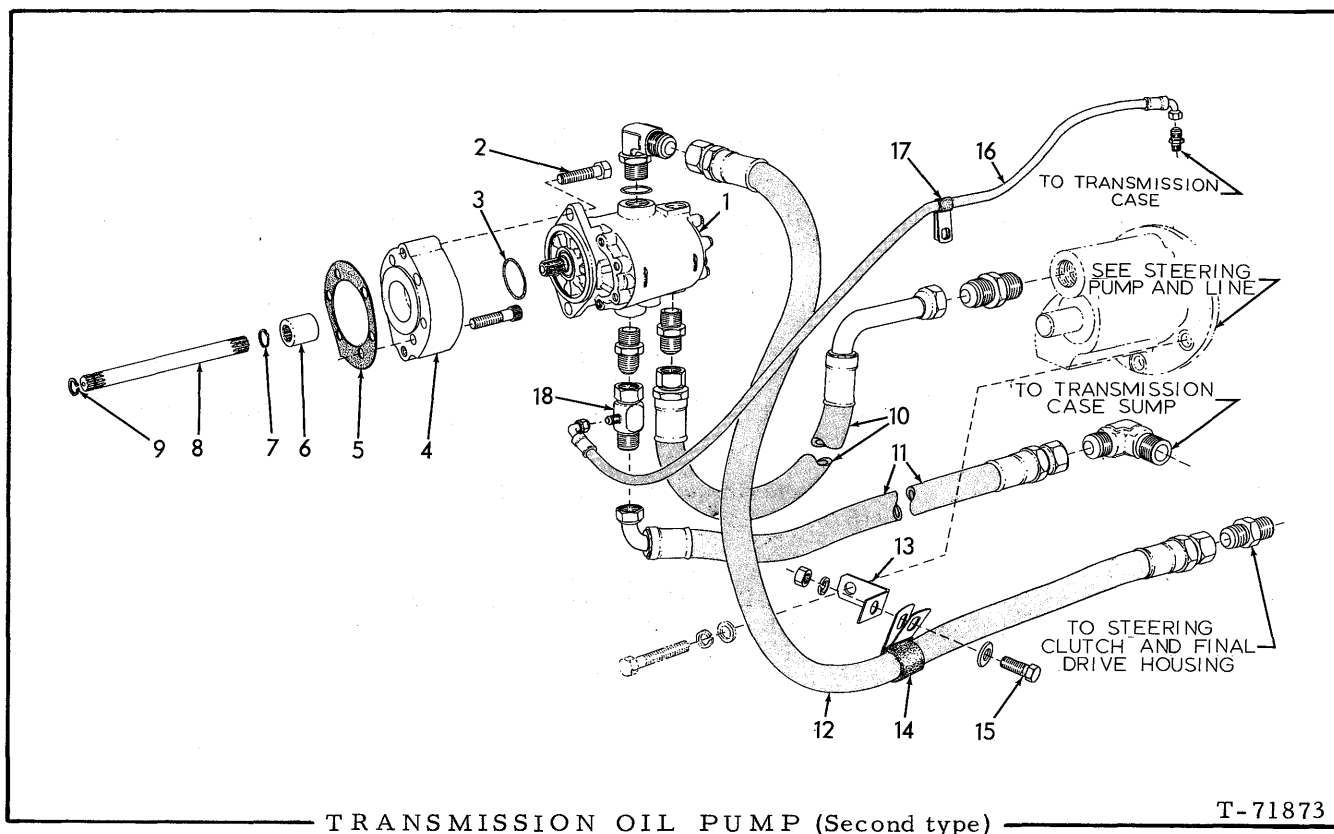
USAGE: Tractors prior to serial No. 18754.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70628239	1	PUMP ASSY., oil (Roper. See page 147 for parts)(Order PUMP ASSY. 70668508, ADAPTER 70650184, HOSE 70648793, HOSE 70648792, O-RING 70923811, 2 CAPSCREWS 70040011, 2 ELBOWS 70922974, 2 CONNECTORS 70919246 and 6 CAPSCREWS 70912268)
2	70044249	6	CAPSCREW, 3/8"NC x 1-1/8"
	70904206	6	LOCKWASHER, 3/8"
3	70628305	1	GASKET, pump to torque converter
4	70628249	1	RING, snap, coupling retaining
5	70665472	1	COUPLING, pump drive (splined)
6	70666471	1	SHAFT, pump drive
7	70628248	1	RING, snap, drive shaft
8	70643953	1	HOSE, pump to final drive housing (See HOSE PARTS)
	70919342	2	CONNECTOR, flare type, 3/4" tube, 3/4"NPT male
9	70646137	1	HOSE, transmission sump to oil pump (See HOSE PARTS)
	70919064	1	CONNECTOR, flare type, 1" tube, 1"NPT male
	70920686	1	ELBOW, flare type, 90°, 1" tube 1"NPT male

(Continued)

TRANSMISSION OIL PUMP (First type)(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
10	70628129	1	HOSE ASSY., oil reservoir to pump (See HOSE PARTS)(Used prior to tractor #18347)
	70645438	1	HOSE, oil reservoir to pump (See HOSE PARTS)(Effective with tractor #18347)
	70919064	2	CONNECTOR, flare type, 1" tube, 1"NPT male
11	70623309	1	ANGLE, hose supporting
12	70621451	1	CLIP, hose supporting (1-1/16" diam.)(Used prior to tractor #18193)
	70643957	1	CLIP, hose supporting (1-1/32" diam.)(Effective with tractor #18193)
13	70035167	1	CAPSCREW, 3/8"NF x 7/8"
	70911115	1	WASHER, plain, SAE std., 3/8"
	70904206	1	LOCKWASHER, 3/8"
	70911041	1	NUT, 3/8"NF



USAGE: Tractors serial No. 18754 and up

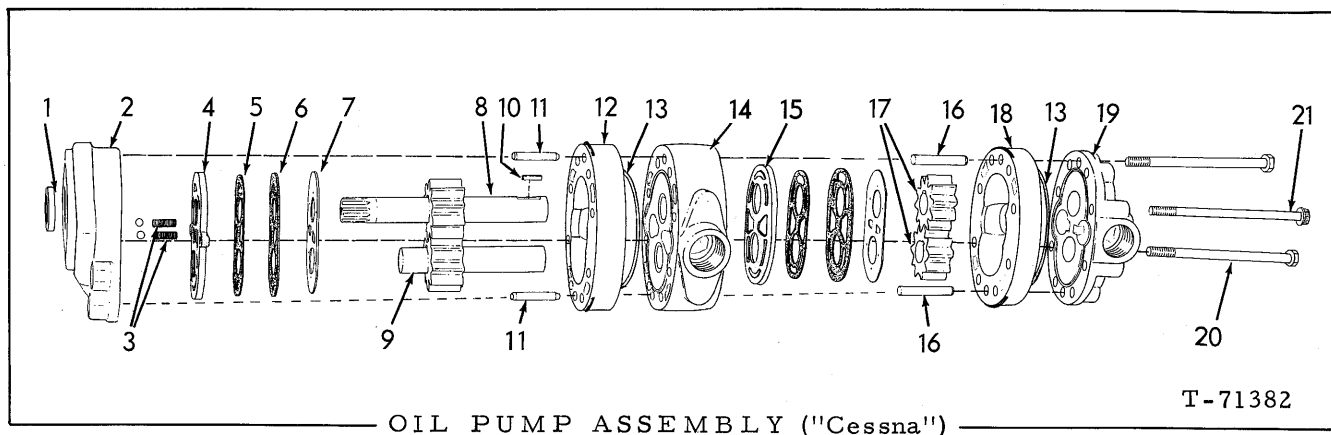
* Tractors prior to serial No. 19433
 ** Tractors serial No. 19433 and up

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	70668508	1	1	PUMP ASSEMBLY, oil ("Cessna". See page 152 for parts)
2	70040011	2	2	CAPSCREW, 7/16"NC x 1-1/2"
3	70923811	1	1	O-RING, oil pump to adapter
4	70650184	1	1	ADAPTER, oil pump
	70912268	6	6	CAPSCREW, hex-socket-hd., 3/8"NC x 1-1/2"
5	70628305	1	1	GASKET, pump adapter to torque converter
6	70666472	1	1	COUPLING, pump drive (splined)
7	70628249	1	1	RING, snap, pump coupling
8	70666471	1	1	SHAFT, pump drive
9	7028248	1	1	RING, snap, drive shaft
10	70645438	1	1	HOSE, oil reservoir to pump (See HOSE PARTS)
	70919064	1	1	CONNECTOR, flare type, 1" tube, 1"NPT male
	70919246	1	1	CONNECTOR, flare type, 1" tube, 3/4"NPT male
11	70648792	1	-	HOSE, transmission sump to oil pump (See HOSE PARTS)
	70650468	-	1	HOSE, transmission sump to oil pump (See HOSE PARTS)
	70919246	1	1	CONNECTOR, flare type, 1" tube, 3/4"NPT male
	70920686	1	1	ELBOW, flare type, 90°, 1" tube, 1"NPT male

(Continued)

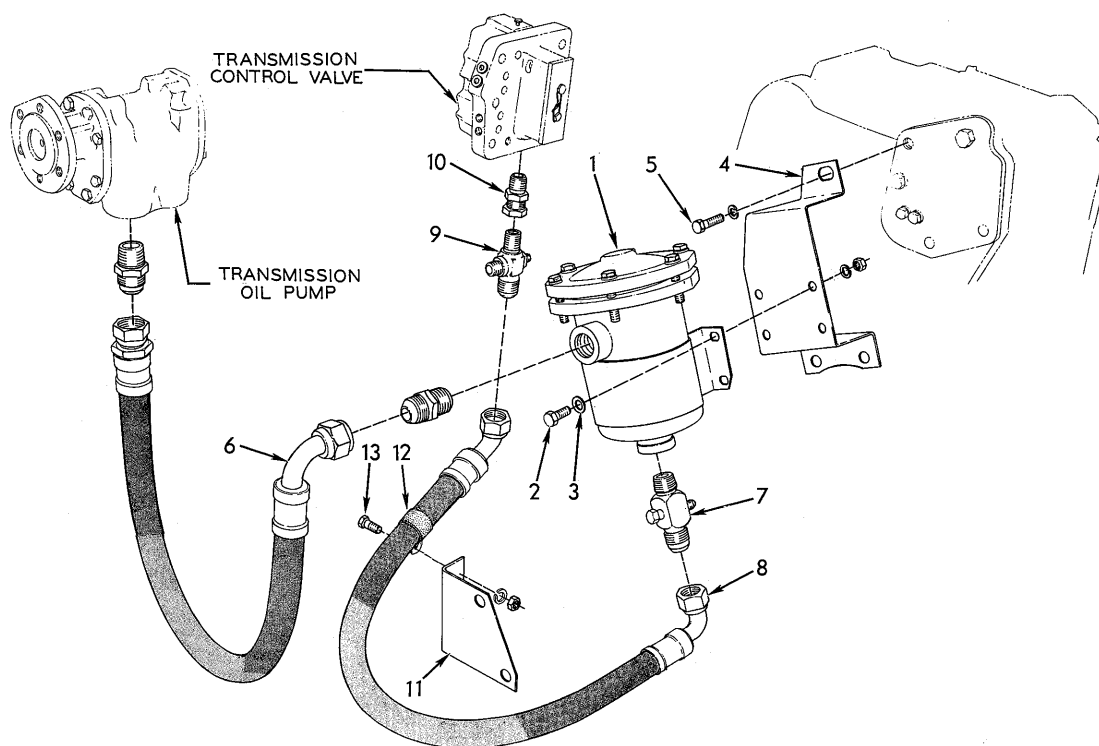
TRANSMISSION OIL PUMP (Second type)(Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
12	70643953	1	1	HOSE, pump to final drive housing (See HOSE PARTS)
	70922974	1	1	ELBOW, adjustable, 90°, flare type, 3/4" tube, 7/8"NF male end (Includes O-RING 70921205)
	70919342	1	1	CONNECTOR, flare type, 3/4" tube, 3/4"NPT male
13	70623309	1	1	ANGLE, hose supporting
14	70643957	1	1	CLIP, hose supporting
15	70916269	1	1	CAPSCREW, 3/8"NC x 7/8"
	70911115	1	1	WASHER, plain, SAE std., 3/8"
	70904206	1	1	LOCKWASHER, 3/8"
	70911026	1	1	NUT, 3/8"NC
16	70650283	-	1	HOSE, oil reservoir venting (See HOSE PARTS)
	70919171	-	1	CONNECTOR, flare type, 1/4"tube, 1/8"NPT
17	70632755	-	1	CLIP, venting hose
18	70649993	-	1	TEE, oil reservoir venting hose



USAGE: See page 150

ITEM	PART NO.	QTY.	DESCRIPTION
1	70650677	1	SEAL, oil
2	70650196	1	PLATE ASSY., front (Includes bushings)
3	70650679	2	SPRING, check valve
	70915903	2	BALL, steel, 7/32" diam.
4	71178407	1	SEAL, front diaphragm
5	71178408	2	GASKET, diaphragm (thin)
6	70650675	2	GASKET, diaphragm (thick)
7	70650674	2	DIAPHRAGM, sealing
8	70669353	1	GEAR ASSY., drive (Includes shaft)
9	70669354	1	GEAR ASSY., idler (Includes shaft)
10	70650672	1	KEY, pressure pump gear
11	74905870	2	PIN, dowel (1-3/4" long)(Late units)
12	70669346	1	BODY, scavenging pump (wide)
13	70926216	2	O-RING
14	70669349	1	BODY ASSY., center (Includes bushings and plug)
15	70690291	1	SEAL, rear diaphragm
16	70650197	2	PIN, dowel (3-3/4" long)(Early units)
	70930512	2	PIN, dowel (2" long)(Late units)
17	70669351	2	GEAR, pressure pump
18	70669345	1	BODY, pressure pump (narrow)
19	70669347	1	PLATE, rear
20	70928309	6	CAPSCREW, 5/16"NC x 5"
21	70924227	2	SCREW, 12 pt-hd., 5/16"NC x 5"



TRANSMISSION OIL FILTER (First type)

T-70908

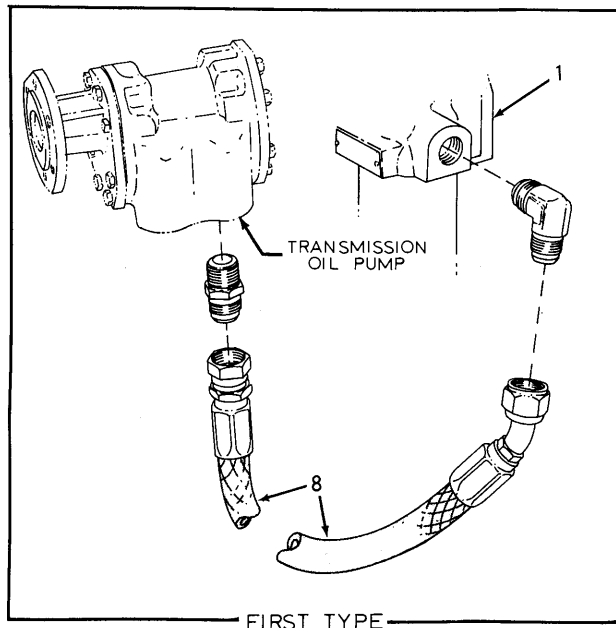
USAGE: Tractors prior to serial No. 16007

ITEM	PART NO.	QTY.	DESCRIPTION
1	70629707	1	FILTER ASSEMBLY, oil (See page 156 for parts)
2	70036034	4	CAPSCREW, 3/8"NF x 1"
3	70044973	4	WASHER, plain
	70904206	4	LOCKWASHER, 3/8"
	70911041	4	NUT, 3/8"NF
4	70624489	1	BRACKET, filter mounting
5	70028979	1	CAPSCREW, 1/2"NC x 2-1/2"
	70904208	1	LOCKWASHER, 1/2"
6	70644003	1	HOSE, pump to filter (See HOSE PARTS)
	70919342	2	CONNECTOR, flare type, 3/4" tube, 3/4"NPT male
7	70624531	1	CROSS, oil distributing, front
	70921467	1	CAP, flare type, 1/4" tube
8	70628140	1	HOSE ASSEMBLY, filter to valve (See HOSE PARTS)
9	70628244	1	CROSS, oil distributing, rear
10	70032031	1	UNION, adapting
11	70628318	1	BRACKET, hose supporting
12	70621451	1	CLIP, hose supporting
13	70035167	1	CAPSCREW, 3/8"NF x 7/8"
	70904206	1	LOCKWASHER, 3/8"
	70911041	1	NUT, 3/8"NF

TRANSMISSION
CONTROL VALVE

TRANSMISSION CASE

TRANSMISSION
OIL PUMP



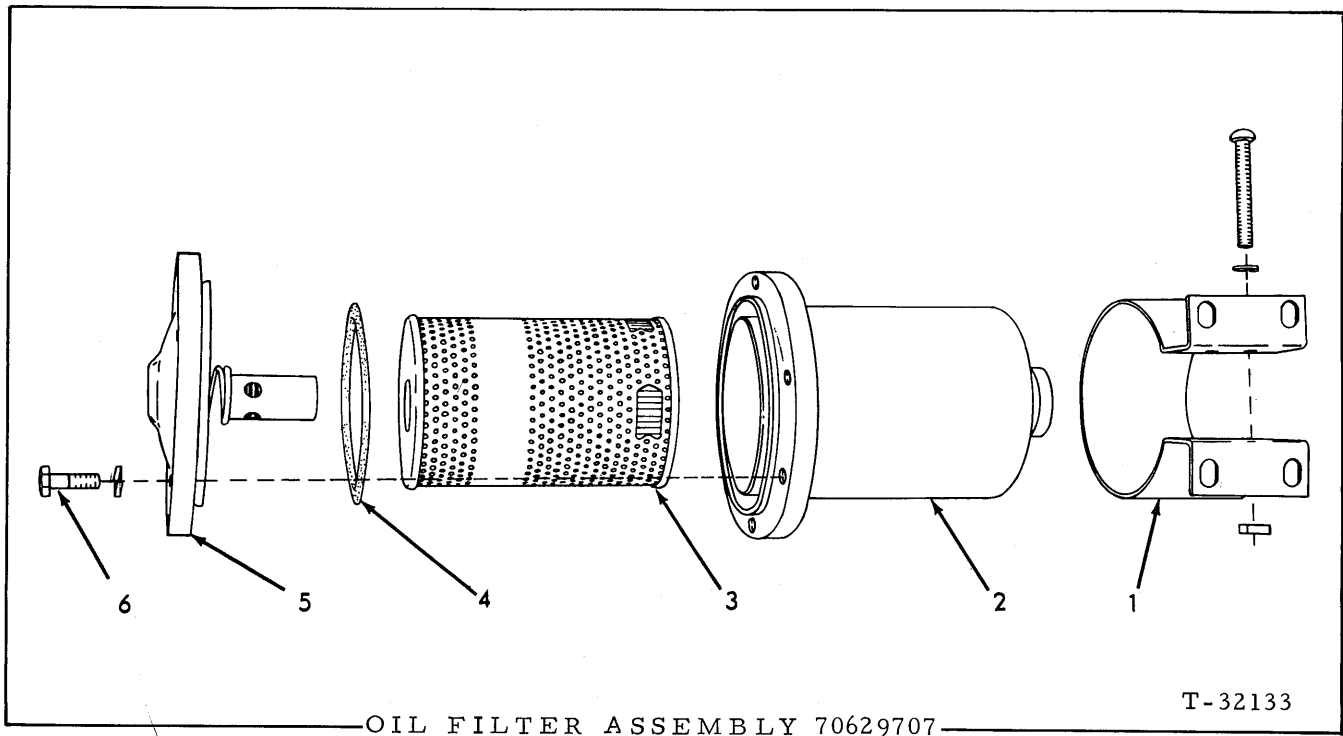
TRANSMISSION OIL FILTER (Second type)

T-70910

TRANSMISSION OIL FILTER (Second Type)

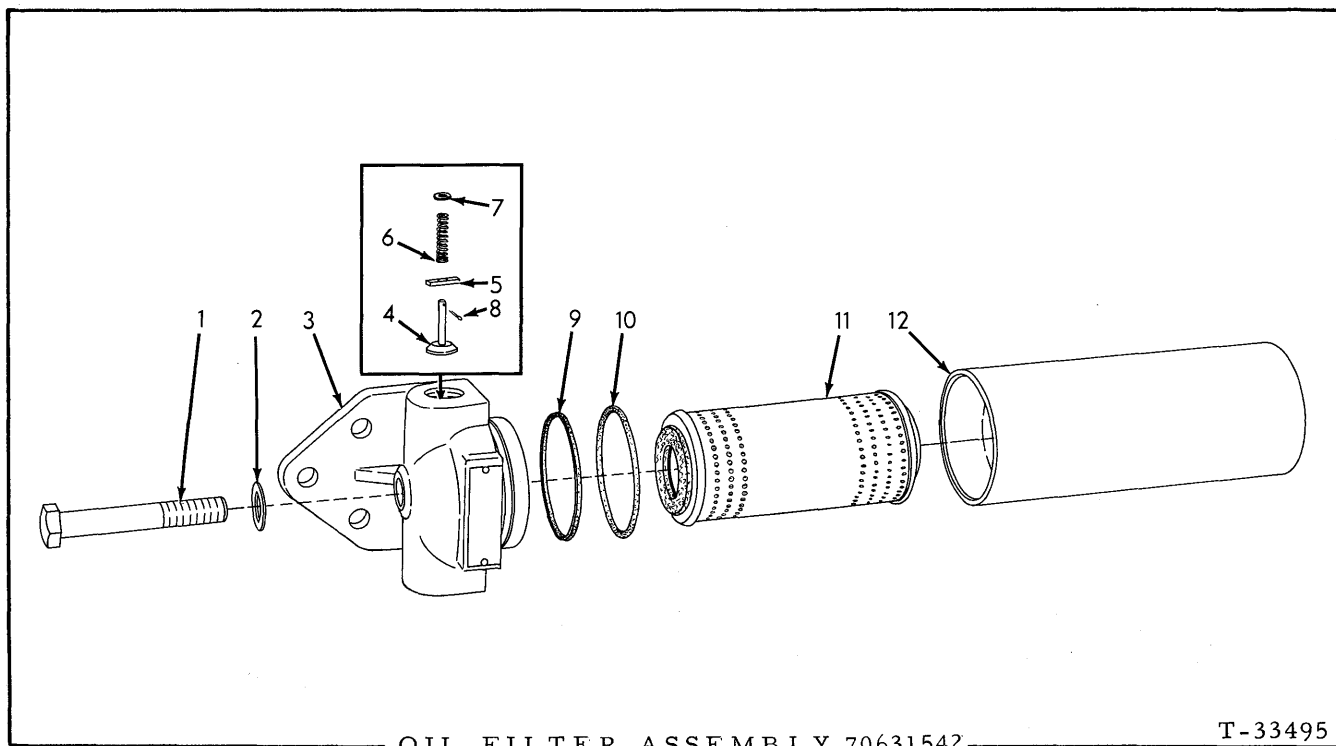
USAGE: Effective with tractor serial No. 16007.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70631542	1	FILTER ASSY., oil (See page 157 for parts)
2	70915987	3	CAPSCREW, 1/2"NC x 1-1/2"
3	70064531	3	WASHER, plain
	70904208	3	LOCKWASHER, 1/2"
	70911028	3	NUT, 1/2"NC
4	70633658	1	BRACKET, filter mounting
5	70916317	2	CAPSCREW, 1/2"NC x 2-3/4"
	70904208	2	LOCKWASHER, 1/2"
6	70064531	2	WASHER, plain
7	70604645	2	BOSS, spacing, filter bracket
8	70646132	1	HOSE, pump to filter (See HOSE PARTS)(Used prior to #18754)
	70919342	1	CONNECTOR, flare type, 3/4" tube, 3/4"NPT male
	70919269	1	ELBOW, flare type, 3/4" tube, 3/4"NPT male
	70648793	1	HOSE, pump to filter (See HOSE PARTS)(Effective with tractor #18754)
	70922974	1	ELBOW, adjustable, 90°, flare type, 3/4" tube, 7/8"NF male end (Includes O-RING 70921205)
	70919269	1	ELBOW, flare type, 3/4" tube, 3/4"NPT male
	70624531	1	CROSS, oil distributing, front
	70919552	1	CAP, flare type, 3/8" tube (For tractor without GROUND SPEED GOVERNOR)
10	70646139	1	HOSE, filter to valve (See HOSE PARTS)
	70919615	1	CONNECTOR, flare type, 3/4" tube, 1/2"NPT male (Not for units with PUSH-START HYDRAULICS)
11	70633495	1	BRACKET, hose supporting
12	70621451	1	CLIP, hose supporting (1-1/16" diam.)(Used prior to tractor #18193)
	70644612	1	CLIP, hose supporting (1-3/16" diam.)(Effective with tractor #18193)
13	70916269	1	CAPSCREW, 3/8"NC x 7/8"
	70911115	1	WASHER, plain, SAE std., 3/8"
	70904206	1	LOCKWASHER, 3/8"
	70911026	1	NUT, 3/8"NC



USAGE: See page 153

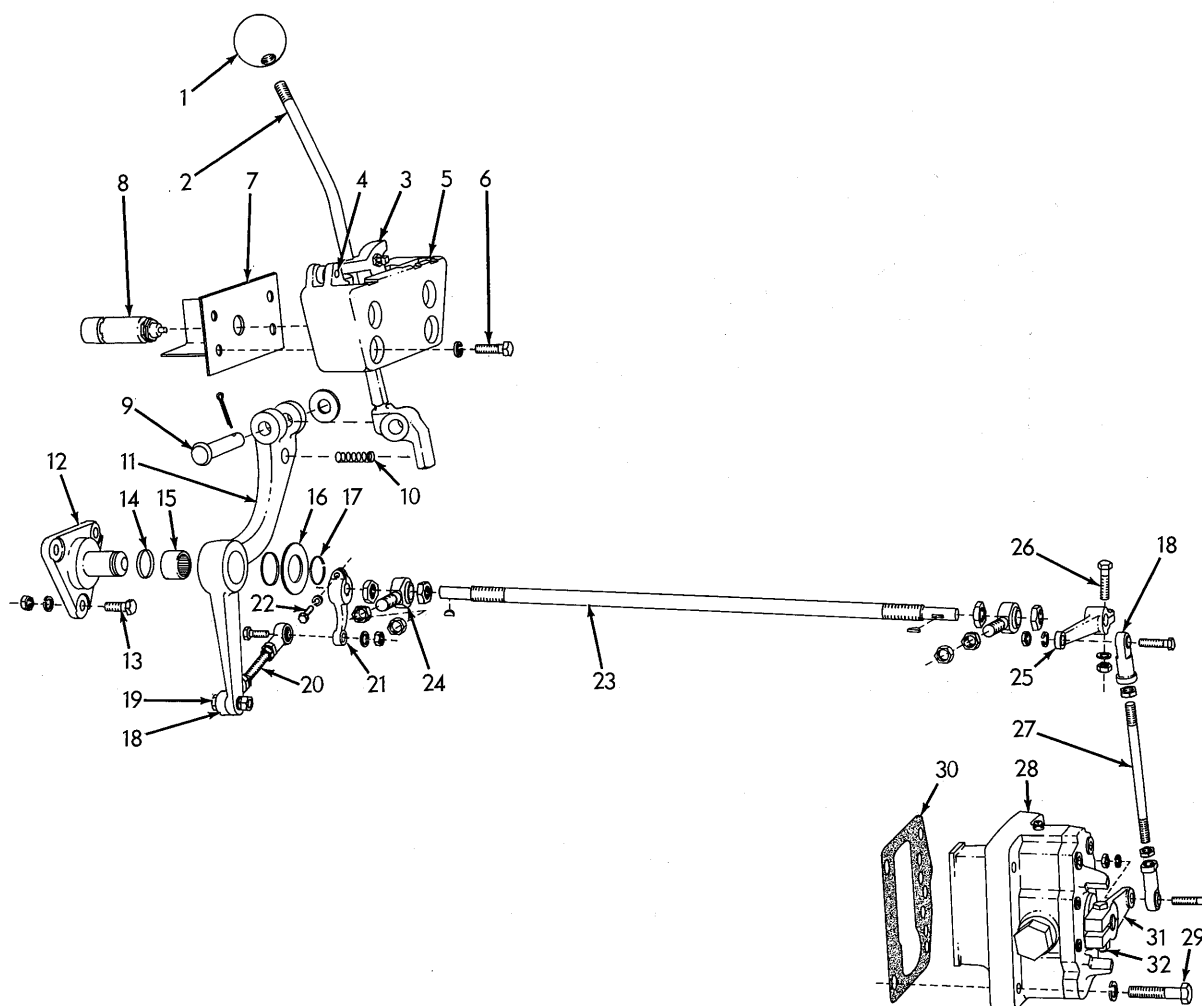
ITEM	PART NO.	QTY.	DESCRIPTION
1	70623045	1	BRACKET, mounting
	70903765	2	SCREW, machine, 5/16"NC x 2-1/2"
	70904205	2	LOCKWASHER, 5/16"
	70901151	2	NUT, square, 5/16"NC
2	70629643	1	CASE
3	70623049	1	ELEMENT PACKAGE (Includes item 4)
4	70923600	1	O-RING, case cover
5	70629642	1	COVER ASSY. (Includes relief valve)
6	70070960	6	CAPSCREW, 3/8"NC x 1-1/2"
	70904206	6	LOCKWASHER, 3/8"



USAGE: See page 155

ITEM	PART NO.	QTY.	DESCRIPTION
1	70070299	1	CAPSCREW, tank retaining (5/8"NF x 4")
2	70631869	1	□WASHER, tank retaining capscrew
3	70631846	1	HEAD
4 {	-----	1	VALVE, by-pass (Requires snap ring)(Early units. Order VALVE 70646302 and cotter PIN 70900970)
	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

□ Indicates components of item 11



SPEED SHIFT

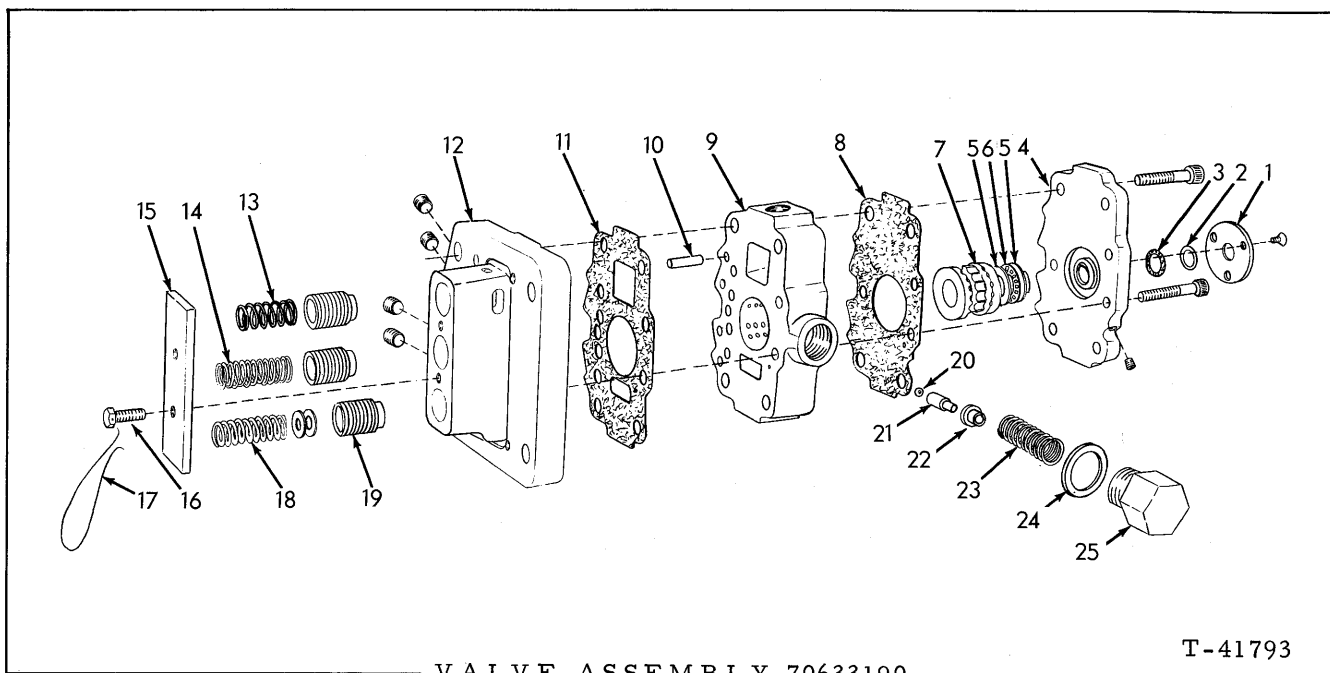
T-70933

ITEM	PART NO.	QTY.	DESCRIPTION
1	70090020	1	KNOB, operating lever
2	70624038	1	LEVER, operating
3	70624039	1	LOCK, operating lever
	70902200	1	SETSCREW, sq. hd., oval-pt., 5/16"NC x 1-1/4"
	70914321	1	NUT, jam, 5/16"NC
4	70624040	1	PIN, retaining, operating lever lock
	70916018	1	PIN, spring, 3/32" x 5/8"
5	70624041	1	GUIDE, operating lever
6	70012992	4	CAPSCREW, 3/8"NF x 1-1/4" (Early units)
	70013058	4	CAPSCREW, 3/8"NC x 1-1/4" (Late units)
	70904206	4	LOCKWASHER, 3/8"
7	70648221	1	PLATE, reinforcing
8	70624352	1	SWITCH, safety (Includes mounting nuts)

(Continued)

SPEED SHIFT (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
9	70624190	1	PIN, operating lever
	70911100	1	WASHER, plain, SAE std., 5/8"
	70900806	1	PIN, cotter, 1/8" x 1"
10	70043908	1	SPRING, operating lever
11	70624034	1	LEVER, bellcrank
12	70623717	1	SHAFT, pivot, bellcrank lever
13	70036034	3	CAPSCREW, 3/8"NF x 1"
	70904206	3	LOCKWASHER, 3/8"
	70911041	3	NUT, 3/8"NF
14	70053926	2	SEAL, dust, bellcrank lever
15	70051513	1	BEARING, needle, bellcrank lever
16	70624282	1	WASHER, lever retaining
17	70054182	1	RING, snap, pivot shaft
18	70617932	4	END, rod (female)
19	70036039	4	CAPSCREW, 3/8"NF x 1-3/8"
	70904206	4	LOCKWASHER, 3/8"
	70911041	4	NUT, 3/8"NF
20	70624042	1	ROD, connecting (3-1/4" long)
	70911048	2	NUT, jam, 3/8"NF
21	70055416	1	LEVER, cross shaft, left
	70905119	1	KEY, #3 woodruff, 1/8" x 1/2"
22	70045295	1	CAPSCREW, 5/16"NC x 1"
	70904205	1	LOCKWASHER, 5/16"
23	70624032	1	SHAFT, cross
	70911049	4	NUT, jam, 5/8"NF
24	70619119	2	END, rod, cross shaft supporting
	70911049	4	NUT, jam, 5/8"NF
25	70624033	1	LEVER, cross shaft, right
	70905119	1	KEY, #3 woodruff, 1/8" x 1/2"
26	70035336	1	CAPSCREW, 3/8"NF x 1-3/4" (Tractors prior to #18844)
	70203188	1	CAPSCREW, 3/8"NF x 1-1/2" (Tractors #18844 and up)
	70904206	1	LOCKWASHER, 3/8"
	70911041	1	NUT, 3/8"NF
27	70624031	1	ROD, connecting (6-1/4" long)
	70911048	2	NUT, jam, 3/8"NF
28	70633190	1	VALVE ASSEMBLY (See page 160 for parts)
29	70921556	5	CAPSCREW, 1/2"NC x 2"
	70904208	5	LOCKWASHER, 1/2"
30	70624281	1	GASKET, valve to transmission case
31	70624035	1	LEVER, control valve
	70905119	1	KEY, #3 woodruff, 1/8" x 1/2"
32	70035336	1	CAPSCREW, 3/8"NF x 1-3/4"
	70904206	1	LOCKWASHER, 3/8"
	70911041	1	NUT, 3/8"NF



VALVE ASSEMBLY 70633190

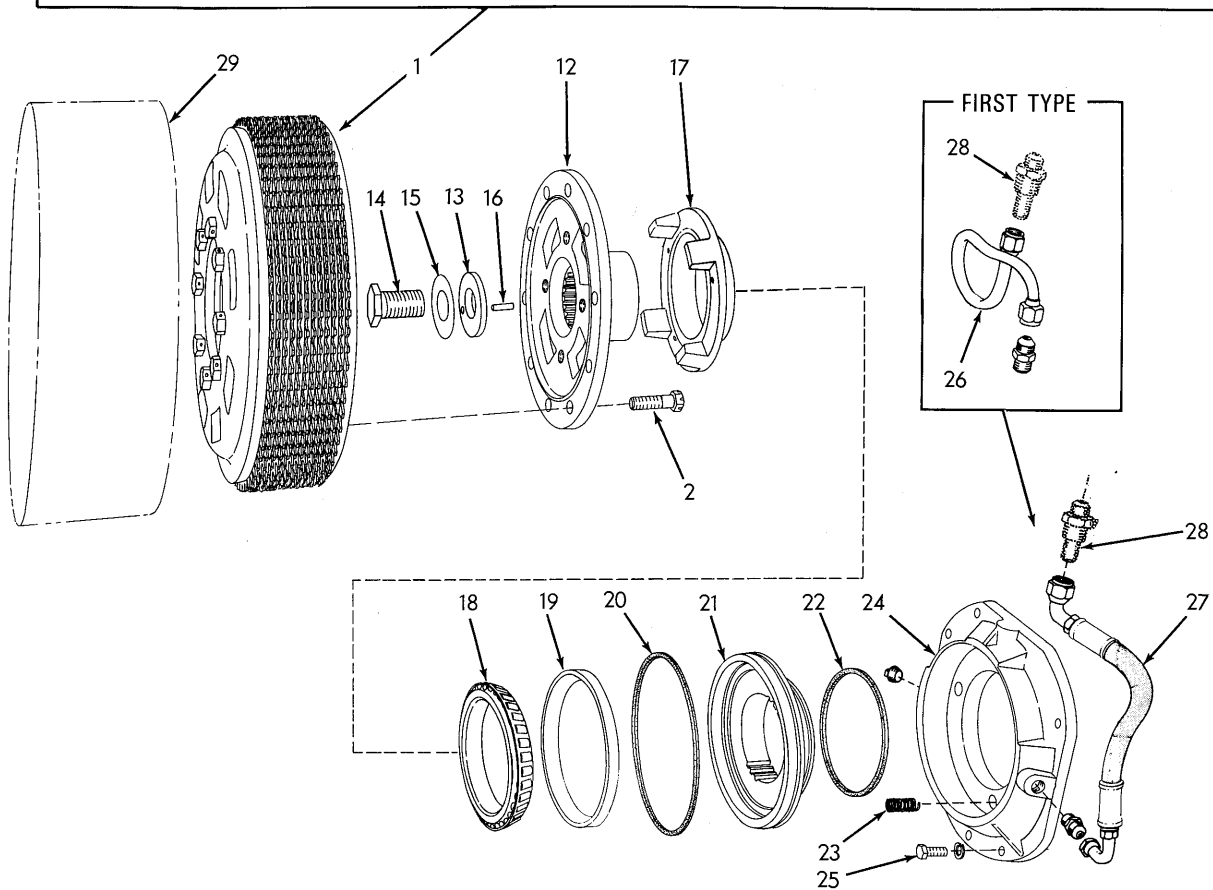
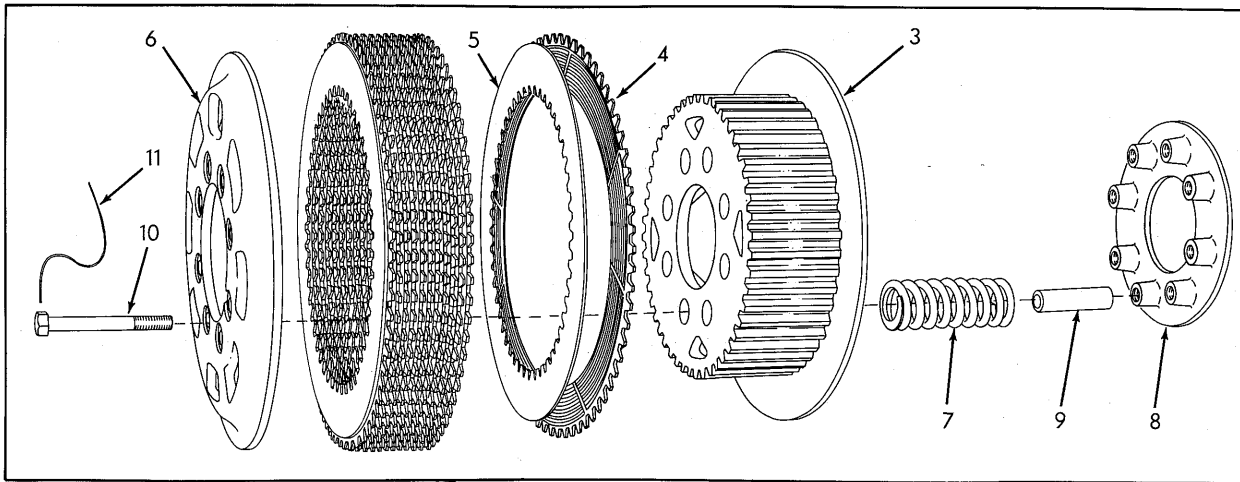
USAGE: See page 158

ITEM	PART NO.	QTY.	DESCRIPTION
1	70624188	1	PLATE, seal retaining
	70910170	3	SCREW, machine, flat-hd., 1/4"NC x 1/2"
2	70624273	1	WASHER, seal retaining
3	70624280	1	SEAL, rotor stem
4	70688670	1	HEAD (Tractor prior to unit #25224)
	70693602	1	HEAD (Tractors unit #25224 and up)
	70624274	1	PLUG, pipe, hex-socket, 1/16"NPT
	70912271	3	CAPSCREW, socket-hd., 3/8"NC x 2-1/2"
	70929709	4	CAPSCREW, socket-hd., 7/16"NC x 2-1/2"
5	70627310	2	RACE, 5/8" diam. (Tractors unit #24712 and up)
6	70688627	1	BEARING, rotor (Tractors unit #24712 and up)
7	70688298	1	ROTOR, valve
8	70624269	1	GASKET, valve head
9	70634685	1	HOUSING ASSY., rotor (Includes item 8)(Used prior to tractor #21058)
	70688672	1	HOUSING ASSY., rotor (Includes item 8)(Effective with tractor #21058)
10	70624195	4	PIN, plugging, valve housing
11	70624267	1	GASKET, valve housing (Used on tractors prior to #21058)
	70662071	1	GASKET, valve housing (Effective with tractor #21058)

(Continued)

VALVE ASSEMBLY 70633190 (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
12	70624266	1	HOUSING, regulating valves
	70918850	4	PLUG, pipe, hex-socket, 1/4"NPT
13	70624192	1	SPRING, pressure regulating valve (transmission lubrication)
14	70639696	1	SPRING, pressure regulating valve (torque converter system)
15	70624189	1	PLATE, spring retaining
16	70929067	2	CAPSCREW, drilled-hd., 5/16"NC x 7/8"
17	70023633	1	WIRE, locking, 1/16" x 12"
18	70639695	1	SPRING, pressure regulating valve (speed shift)
	70900816	4	WASHER, plain, U.S. std., 1/4" (Use as required)
19	70624194	3	VALVE, pressure regulating
20	70905360	1	BALL, steel, 3/8" diam. (Tractors unit #24712 and up)
21	70688614	1	PIN, detent
22	70624265	1	SEAT, detent spring
23	70624193	1	SPRING, detent
24	70080344	1	WASHER, detent spring cap
25	70624198	1	CAP, detent spring (Used prior to tractor #16749)
	70638888	1	CAP, detent spring (Effective with tractor #16749)



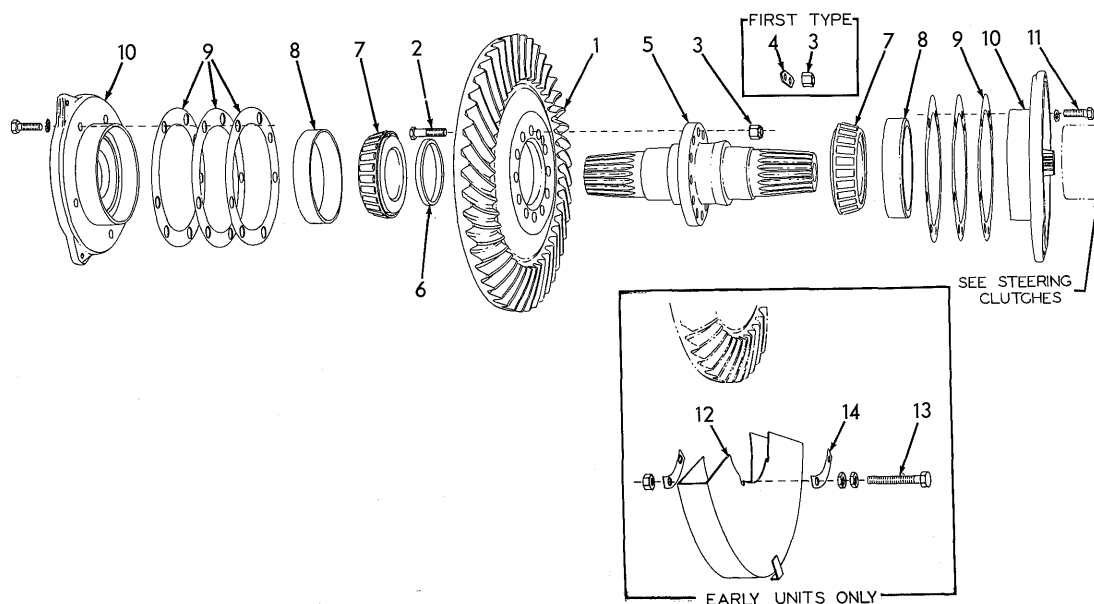
STEERING CLUTCHES

ITEM	PART NO.	QTY.	DESCRIPTION
1	70628030	2	CLUTCH ASSY. (Consists of items 3 thru 11)
2	70650753	20	BOLT, self-locking, 1/2"NC x 1-3/4"
3	70624538	2	HUB, steering clutch
4	70624561	24	DISC, friction (bi-metallic)
5	70624562	24	DISC, friction (steel)(Use as req'd)
6	70624362	2	PLATE, pressure
7	70628033	16	SPRING, pressure
8	70624557	2	PLATE, throwout
9	70627403	16	SPACER, throwout plate
10	70628031	16	CAPSCREW, throwout plate
11	70023633	8	WIRE, locking, 1/16" x 12"
12	70659686	2	HUB, driving (If for tractors prior to #20735 also order SLEEVE 70659686)
13	70637932	2	WASHER ASSY., hub retaining (Includes item 16)(Used prior to tractor #21297)
	70666366	2	WASHER, hub retaining (Effective with tractor #21297 thru unit #24676 including unit #24680)
	70664337	2	WASHER ASSY., hub retaining (Includes item 16)(Tractors unit #24677 and up excluding unit #24680)
14	70630045	2	CAPSCREW, hub retaining (Used prior to tractor #24680)
	70663117	2	CAPSCREW, hub retaining (self-locking)(Effective with tractor #21297 thru unit #24676 including unit #24680)
	70684479	2	CAPSCREW, hub retaining (self-locking)(Tractors unit #24677 and up excluding unit #24680)
15	70651745	2	WASHER, locking, hub retaining capscREW (Used prior to tractor #21297 thru unit #24676 including unit #24680)
	70684478	2	WASHER, locking, hub retaining capscREW (Tractor unit #24677 and up including unit #24680)
16	70035793	2	PIN, hub retaining washer (Used prior to tractor #21297; also tractor unit #24677 and up excluding unit #24680)
17	70659689	2	SLEEVE, throwout
18	70624642	2	CONE ASSY., clutch throwout bearing
19	70624641	2	CUP, clutch throwout bearing
20	70624673	2	RING, sealing, actuating piston, outer
21	70641328	2	PISTON, actuating
22	70624674	2	RING, sealing, actuating piston, inner
23	70629634	6	SPRING, actuating piston

(Continued)

STEERING CLUTCHES (Continued)

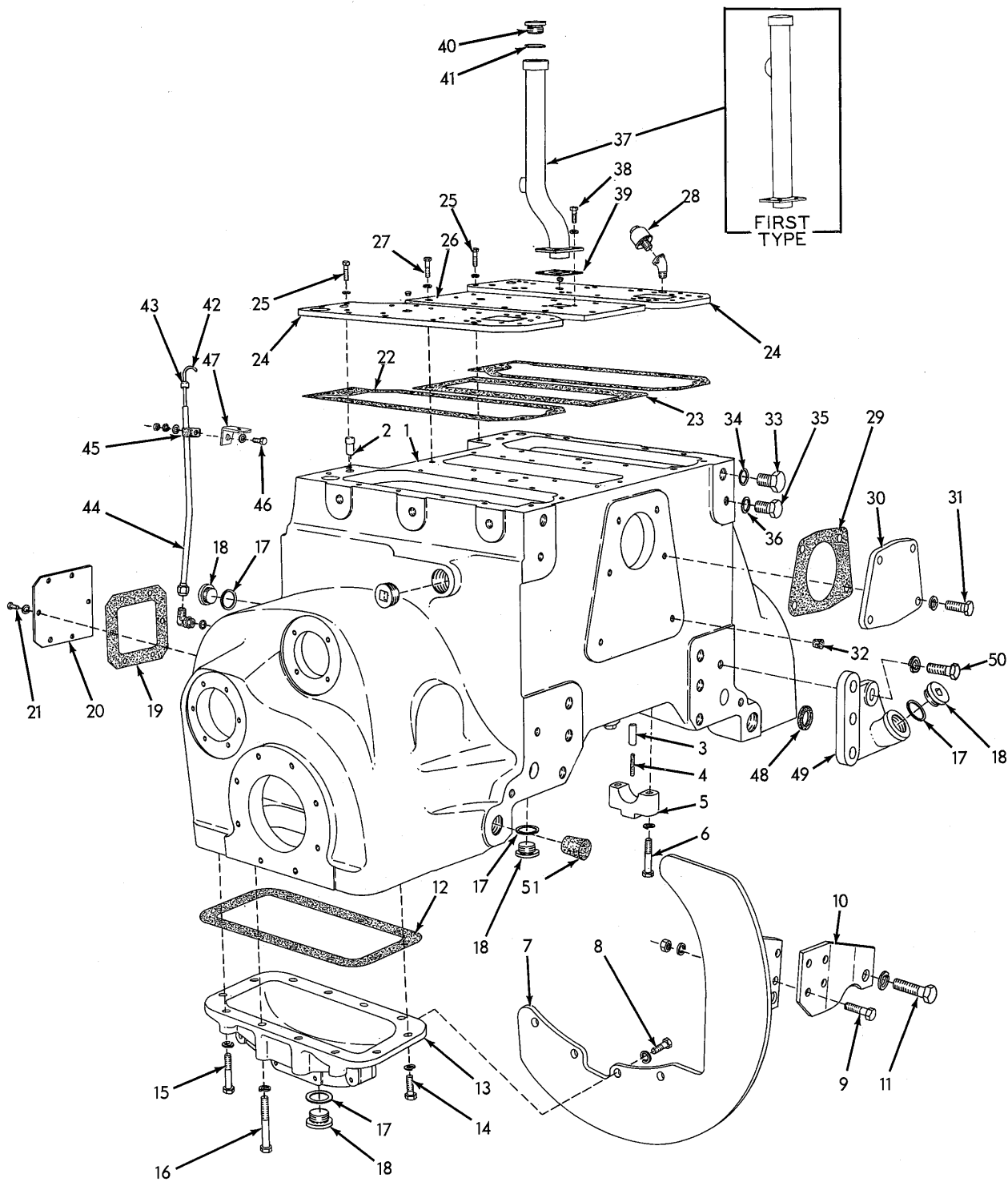
ITEM	PART NO.	QTY.	DESCRIPTION
24	70641343	2	RING, collector (If for tractors prior to #16749 also order PLUG 70901653 and either HOSE 70650987 or HOSE 70650988)
	70901653	2	PLUG, pipe, 3/8"NPT
25	70922763	6	CAPSCREW, 3/8"NC x 1"
	70910287	6	LOCKWASHER, 3/8"
26	-----	2	TUBE ASSEMBLY, oil pressure (Includes nuts) (Used prior to tractor #16749. Order item 27)
	70919063	2	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
27	{ 70650987	1	HOSE, oil pressure, left clutch (See HOSE PARTS) } Effective with tractor #16749.
	{ 70650988	1	HOSE, oil pressure, right clutch (See HOSE PARTS) }
	70919063	2	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
28	-----	-	UNION, bulkhead (See CONTROL VALVE AND FILTERS)
29	-----	-	DRUM, brake (See FINAL DRIVE PINION SHAFT)



BEVEL GEAR AND SHAFT

T-38140

ITEM	PART NO.	QTY.	DESCRIPTION
1	70624636	1	GEAR, bevel
2	70654541	12	CAPSCREW (1/2"NF x 2")
3	70038234	12	NUT, high, 1/2"NF (Used prior to tractor #16846)
4	70643287	12	NUT, elastic stop, 1/2"NF (Effective with tractor #16846)
6	70035065	6	LOCK, nut (Used prior to tractor #16846)
5	70685732	1	SHAFT, bevel gear (If for first replacement on tractors prior to unit #24677 including unit #24680, also order 2 each 70684478-Locks, 70664337-Washer Assy., and 70684479-Capscrews)
6	70627472	1	SPACER, shaft bearing
7	70629062	2	CONE ASSY., shaft bearing
8	70061086	2	CUP, shaft bearing
9	70050228	12	SHIM, bearing adjustment (.005" thick. Use as required)
	70050229	12	SHIM, bearing adjustment (.007" thick. Use as required)
	70050230	12	SHIM, bearing adjustment (.010" thick. Use as required)
10	70641334	2	CAGE, bearing
11	70920583	10	CAPSCREW, 1/2"NC x 1-1/2"
	70910210	10	LOCKWASHER, external teeth, 1/2"
NOTE: Items listed below are applicable to tractors prior to serial No. 15948 only.			
12	70639475	1	PAN, oil
13	70050268	2	CAPSCREW, oil pan (Also attaches bearing cage)
	70911035	4	NUT, jam, 1/2"NC
	70911028	2	NUT, regular, 1/2"NC
14	70639473	2	LOCK, nut



MAIN HOUSING

T-32154

MAIN HOUSING

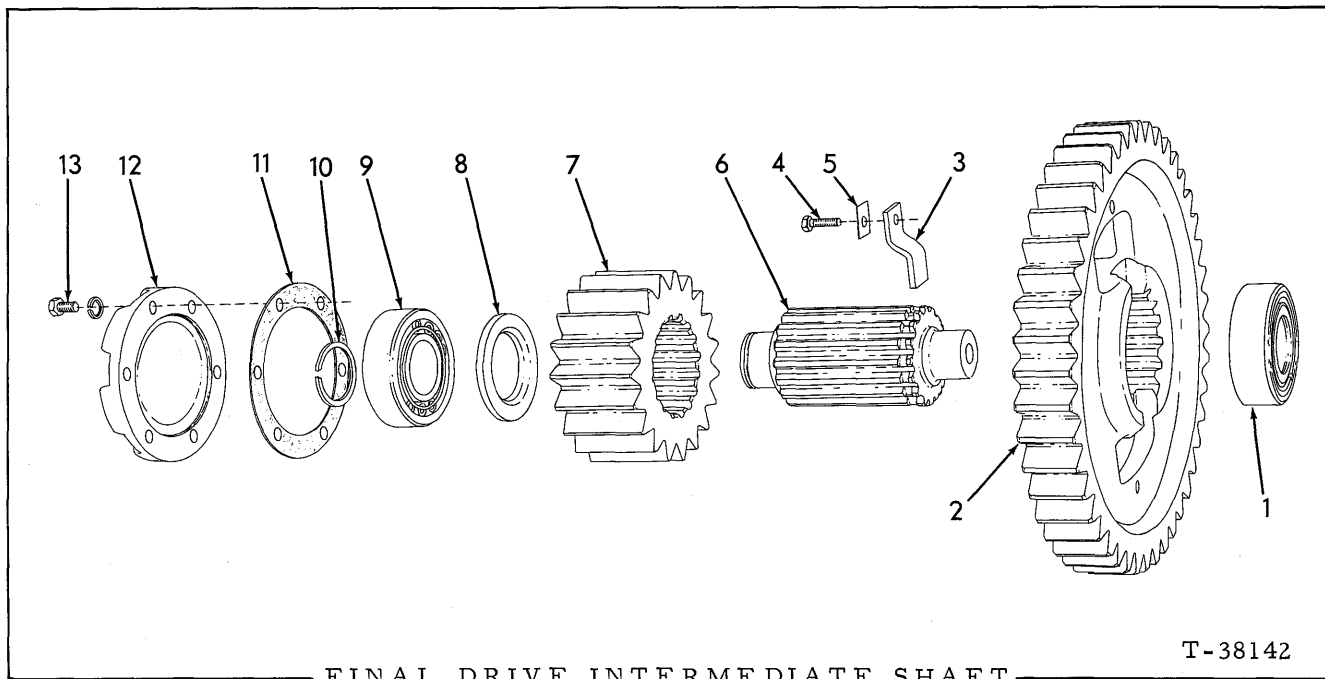
ITEM	PART NO.	QTY.	DESCRIPTION
1	70623734	1	HOUSING ASSEMBLY (Includes items 2 thru 6)
	70901667	2	PLUG, pipe, ctsk-hd., 1-1/4"NPT
	70919840	1	PLUG, pipe, hex-hd., 1/4"NPT (Tractors#18647 and up)
2	70624485	2	PIN, dowel, clutch compartment covers
3	70076726	2	WICK ASSEMBLY, pivot shaft lubricating (Consists of 1 pin and item 4. Also serves as dowel pin for pivot shaft)
4	70050357	2	WICK, pivot shaft lubricating (felt)
5	70051858	4	CAP, truck frame pivot shaft
6	70921597	8	CAPSCREW, 5/8"NC x 3"
	70912942	8	LOCKWASHER, 5/8"
<u>NOTE:</u> Items 7 thru 11 are Special Equipment			
7	70630655	1	GUARD, track sprocket, left
	70630656	1	GUARD, track sprocket, right
8	70920583	8	CAPSCREW, 1/2"NC x 1-1/2"
	70912441	8	LOCKWASHER, 1/2"
9	70920585	4	CAPSCREW, 1/2"NC x 1-3/4"
	70912441	4	LOCKWASHER, 1/2"
	70911028	4	NUT, 1/2"NC
10	70097915	1	PLATE, guard attaching, left
	70097916	1	PLATE, guard attaching, right
11	70922744	2	CAPSCREW, 3/4"NC x 2-1/2"
	70914726	2	LOCKWASHER, 3/4"
	70035067	2	CAPSCREW, 1/2"NF x 2"
	70064531	2	WASHER, plain
	70904208	2	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF
12	70667206	2	GASKET, final drive compartment bottom cover
13	70049910	2	COVER, final drive compartment, bottom
14	70915987	16	CAPSCREW, 1/2"NC x 1-1/2"
15	70916317	4	CAPSCREW, 1/2"NC x 2-3/4"
16	70914399	4	CAPSCREW, 1/2"NC x 3-3/4"
	70904208	24	LOCKWASHER, 1/2"
17	70667252	8	GASKET, filler and drain plugs
18	70035250	8	PLUG, filler and drain
19	70050786	2	GASKET, final drive compartment front cover
20	70050785	2	COVER, final drive compartment, front
21	70916271	12	CAPSCREW, 3/8"NC x 1"
	70904206	12	LOCKWASHER, 3/8"
22	70627369	2	GASKET, clutch compartment cover plate
23	70624752	1	GASKET, bevel gear compartment top cover

For tractors equipped with TR-6 Ripper

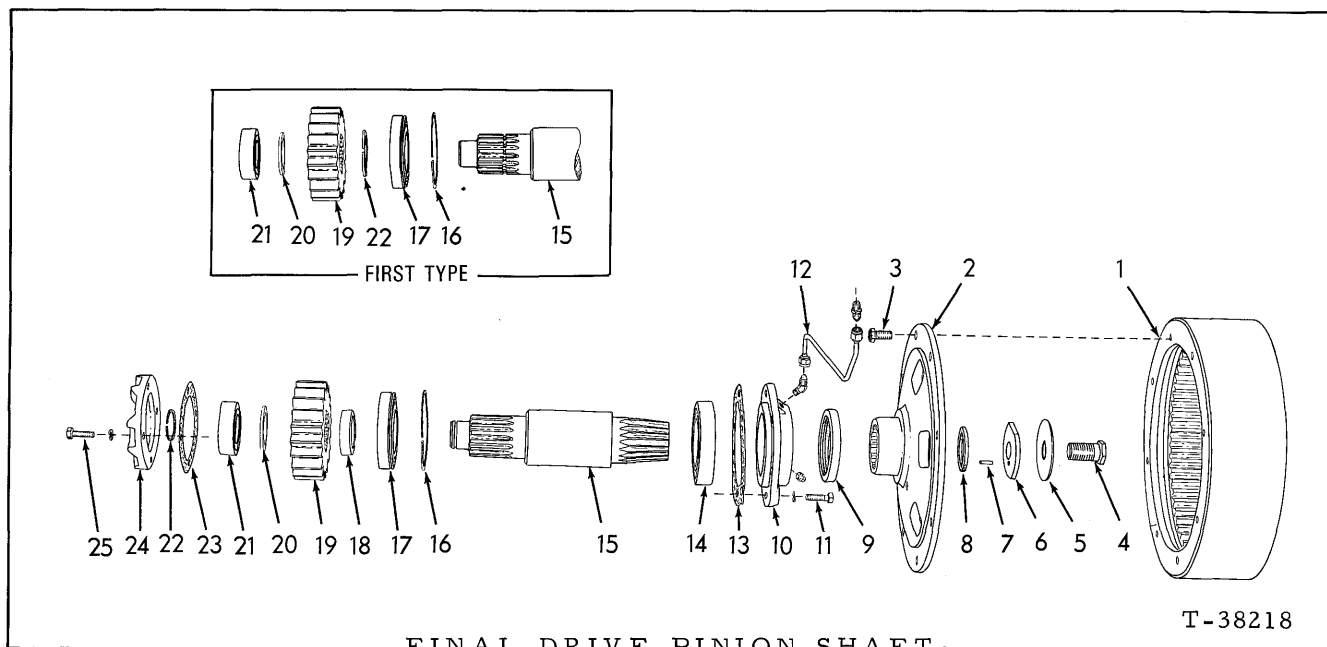
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MAIN HOUSING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
24	70627252	2	PLATE, cover, clutch compartment
25	70916272	14	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	14	LOCKWASHER, 3/8"
26	70627396	1	COVER, bevel gear compartment, top (Tractors prior to #19662)
	70650815	1	COVER, bevel gear compartment, top (Tractors #19662 and up)
27	70916272	6	CAPSCREW, 3/8"NC x 1-1/4" } 2 additional required on tractors #19662 and up
	70904206	6	
28	70050748	2	BREATHER, final drive
	70910149	2	ELBOW, street, 45°, 3/8"NPT
29	70050369	1	GASKET, bevel gear compartment rear cover
30	70050370	1	COVER, bevel gear compartment, rear
31	70913828	4	CAPSCREW, 5/8"NC x 1-1/2"
	70904209	4	LOCKWASHER, 5/8"
32	70664851	2	CORK, threadprotecting (5/8" diam.)
33	70630802	2	CAPSCREW, thread protecting (1"NC x 2")
34	70630823	2	WASHER, thread protecting capscREW (copper, 1" I. D.)
35	70630801	2	CAPSCREW, thread protecting (7/8"NC x 2")
36	70630822	2	WASHER, thread protecting capscREW (copper, 7/8" I. D.)
37	70628692	1	TUBE, oil filler (Used prior to tractor #16749)
	70641944	1	TUBE, oil filler (Tractor #16749 thru #19661)
	70651137	1	TUBE, oil filler (Tractors #19662 and up)
38	70916225	4	CAPSCREW, 3/8"NF x 1"
	70904206	4	LOCKWASHER, 3/8"
39	70628691	1	GASKET, oil filler tube
40	70050594	1	PLUG, oil filler
41	70050595	1	GASKET, oil filler plug
42	70630013	1	GAUGE ASSEMBLY, oil level (Includes item 43)
43	74506607	1	SEAL, oil level gauge
44	70630012	1	TUBE, oil level gauge
	70921402	1	ELBOW, adjustable, 90°, flare type, 1/2" tube, 3/4"NF (Includes washer, nut and O-RING 70921349)
45	70094527	1	CLIP, supporting, oil level gauge tube
46	70916269	1	CAPSCREW, 3/8"NC x 7/8"
	70911115	2	WASHER, plain, SAE std., 3/8"
	70904206	1	LOCKWASHER, 3/8"
	70911026	1	NUT, 3/8"NC
47	70633617	1	ANGLE, oil level gauge tube
48	70050391	2	GASKET, oil filler elbow
49	70624064	1	ELBOW, oil filler, left
	70624065	1	ELBOW, oil filler, right
50	70013238	4	CAPSCREW, 3/4"NC x 2"
	70914726	4	LOCKWASHER, 3/4"
51	70642259	4	CORK, thread protecting (1-9/16" diam.)



ITEM	PART NO.	QTY.	DESCRIPTION
1	70638844	2	BEARING, roller, inner (1.575 I.D.)(Used prior to tractor #18429)
	70645514	2	BEARING, roller, inner (1.672 I.D.)(Effective with tractor #18429)
2	70628824	2	GEAR (44 teeth)
3	70628815	4	LOCK, gear retaining
4	70922763	4	CAPSCREW, 3/8"NC x 3/4"
5	70049936	4	LOCK, capscrew
6	70645497	2	SHAFT (If for tractors prior to #18429 also order BEARING 70645514 and SPACER 70647277)(Tractors prior to unit #24006)
	77558153	2	SHAFT (Tractors unit #24006 and up)
7	70628107	2	PINION (19 teeth)
8	70628426	2	SPACER, pinion retaining (2-1/4" I.D.)(Used prior to tractor #18429)
	70647277	2	SPACER, pinion retaining (2-1/8" I.D.)(Effective with tractor #18429)
9	70628333	2	BEARING, roller, outer
10	74253029	2	RING, snap (Tractors unit #24006 and up)
11	70628451	2	GASKET, cover
12	70628715	2	COVER, outer bearing (Tractors prior to unit #24006)
	77558213	2	COVER, outer bearing (Tractors prior to unit #24006)
13	70921076	12	CAPSCREW, 3/8"NC x 1-1/4"
	70910287	12	LOCKWASHER, 3/8"

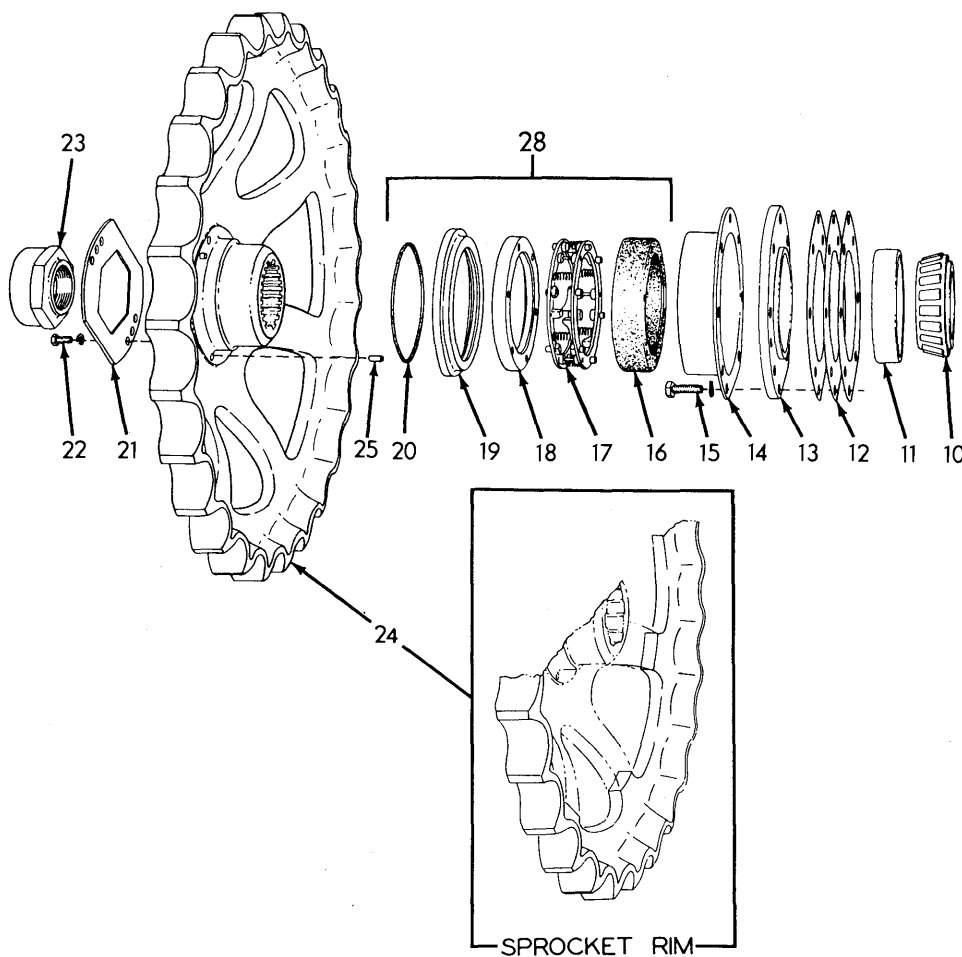
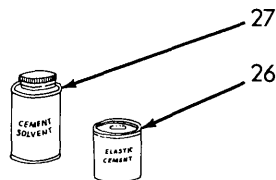
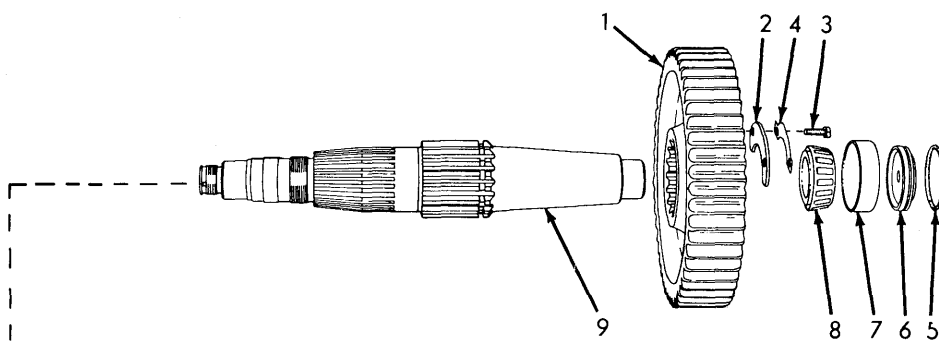


ITEM	PART NO.	QTY.	DESCRIPTION
1	70624539	2	DRUM, brake
2	70624559	2	HUB, brake drum
3	70650835	16	BOLT, self-locking, 1/2"NC x 1"
4	70630045	2	CAPSCREW, hub retaining (Used prior to tractor #21302)
	70663117	2	CAPSCREW, hub retaining (self-locking)(Tractors #21302 thru unit #24521)
	70684479	2	CAPSCREW, hub retaining (Tractors unit #24522 and up)
5	70630052	2	LOCK, hub retaining capscrew (Used prior to tractor #21302)
	70684480	2	LOCK, hub retaining capscrew (Tractor unit #24522 and up)
6	70631584	2	WASHER ASSY., hub retaining (Includes item 7)(If for tractor prior to #15216 also order LOCK 70630052)(Tractors prior to #21302)
	70664330	2	WASHER ASSY., hub retaining (Includes item 7)(Tractors #21302 thru #21656)
	70666547	2	WASHER, hub retaining (Tractors #21657 thru unit #24521)
	70663245	2	WASHER ASSY., hub retaining (Includes item 7)(Tractors unit #24522 and up)
7	70035793	2	PIN, hub retaining washer (Used prior to tractor #21567; also tractor unit #24522 and up)
8	70056513	2	WASHER, hub sealing (rubber)
9	70628320	2	SEAL, oil
10	70624558	2	CAGE, oil seal
11	70901651	2	PLUG, pipe, 1/8"NPT
	70927361	12	CAPSCREW, Nylok, 3/8"NC x 1-1/4"
	70910287	12	LOCKWASHER, 3/8"

(Continued)

FINAL DRIVE PINION SHAFT (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
12	70629629	1	TUBE ASSY., vent, left (Includes nuts)
	70629230	1	TUBE ASSY., vent, right (Includes nuts)
	70919171	2	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
	70919464	2	ELBOW, flare type, 45°, 1/4" tube, 1/8"NPT male
13	70682309	2	GASKET, oil seal cage
14	70624554	2	BEARING, roller, inner
15	70627475	2	SHAFT (Tractors prior to #21657)
	70666476	2	SHAFT (Tractors #21657 thru unit #24005)
	70681031	2	SHAFT (Tractors unit #24006 thru unit #24521)
	70685740	2	SHAFT (Tractors unit #24522 and up)
16	70040831	2	RING, snap, intermediate bearing
17	70063912	2	BEARING, roller, intermediate
18	70680873	2	SPACER (Tractors unit #24006 and up)
19	70628310	2	PINION (20 teeth)
20	70050295	2	WASHER, pinion retaining (tractors prior to unit #24006)
	70680874	2	WASHER, pinion retaining (Tractors unit #24006 and up)
21	70628429	2	BEARING, roller, outer
22	70049899	2	RING, snap, pinion shaft (Tractors prior to unit #24006)
	70051344	2	RING, snap, pinion shaft (Tractors unit #24006 and up)
23	70049903	2	GASKET, outer bearing cover
24	70680901	2	COVER, outer bearing
25	70921076	8	CAPSCREW, 3/8"NC x 1-1/4"
	70910287	8	LOCKWASHER, 3/8"



FINAL DRIVE SPROCKET, SHAFT AND

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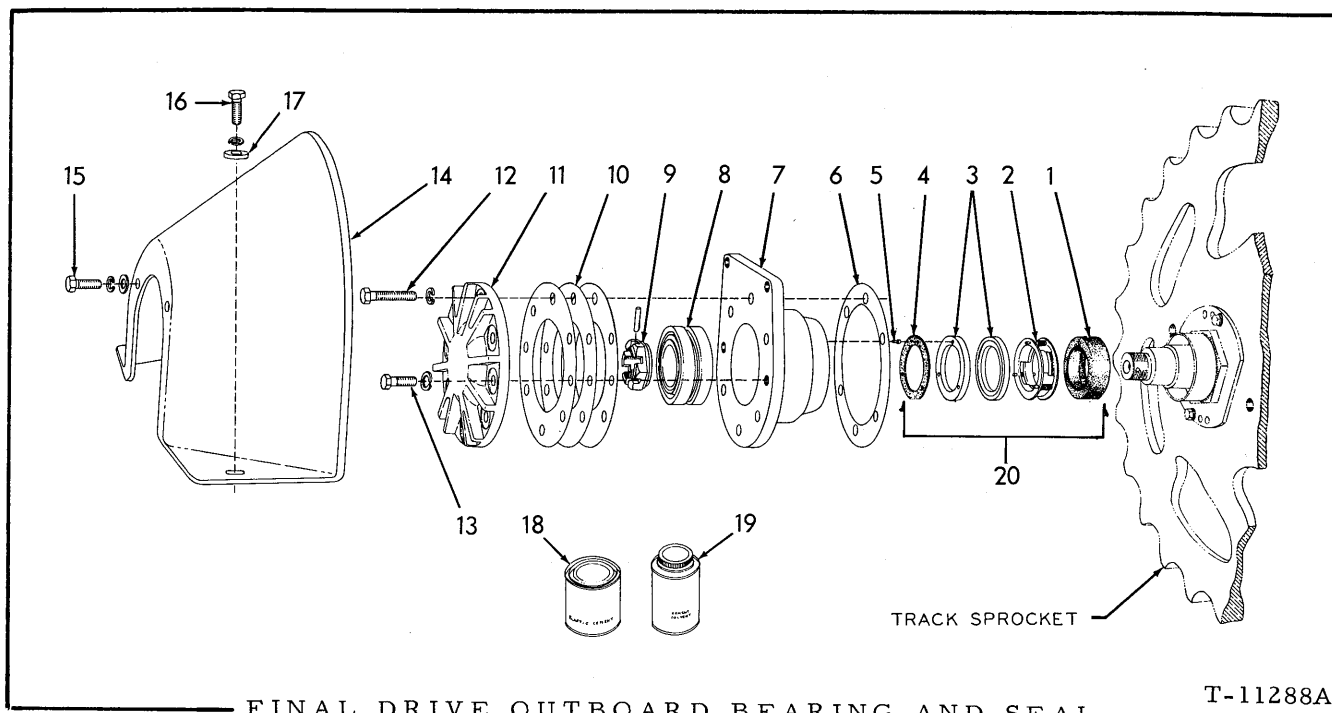
T-11286

DICKL.

FINAL DRIVE SPROCKET, SHAFT AND GEAR

ITEM	PART NO.	QTY.	DESCRIPTION
1	70628108	2	GEAR (46 teeth)
2	70051395	2	LOCK, gear retaining
3	70923276	4	CAPSCREW, 3/8"NF x 1"
4	70051396	2	LOCK, capscREW
5	70923585	2	O-RING, shaft end cover
6	70628341	2	COVER, shaft end, inner
7	70080551	2	CUP, inner bearing
8	70080552	2	CONE ASSEMBLY, inner bearing
9	70621238	2	SHAFT, track sprocket
10	70054246	2	CONE ASSEMBLY, intermediate bearing
11	70050276	2	CUP, intermediate bearing
12	70051240	4	SHIM, bearing adjustment (.005" thick. Use as req'd)
	70051241	4	SHIM, bearing adjustment (.007" thick. Use as req'd)
	70051242	16	SHIM, bearing adjustment (.010" thick. Use as req'd)
13	70051244	2	RETAINER, intermediate bearing
14	70049851	2	GUARD, inner seal
15	70920583	16	CAPSCREW, 1/2"NC x 1-1/2"
	70912441	16	LOCKWASHER, 1/2"
16	70049826	2	□BOOT, inner seal
17	70049825	2	□FOLLOWER ASSEMBLY, inner seal (Serviced only as a unit)
18	70096158	2	□RING, inner seal (stationary)
19	70096159	2	□RING, inner seal (rotating)
20	70923825	2	□O-RING, packing, seal ring
21	70621243	2	LOCK, sprocket retaining nut
22	70922763	4	CAPSCREW, 3/8"NC x 1"
	70910287	4	LOCKWASHER, 3/8"
23	70621241	2	NUT, sprocket retaining
24	70622510	2	SPROCKET, track (Standard)
	70629266	2	SPROCKET, track (Optional. Has narrow tooth-base to minimize packing of track)
	70629269	2	SPROCKET RIM only (Standard type. Requires welding to install)
25	70042930	6	PIN, driving, inner ring
26	70033288	-	CEMENT, neoprene, 1/2 pt. can
27	70054890	-	SOLVENT, neoprene cement, 1/2 pt. can
28	70096278	2	SEAL KIT (Includes parts for one (1) side only; items 16 thru 20)

□Indicates component of item 28



FINAL DRIVE OUTBOARD BEARING AND SEAL

T-11288A

ITEM	PART NO.	QTY.	DESCRIPTION
1	70051112	2	□BOOT, seal
2	70051121	2	□SPRING ASSY., seal (Serviced only as a unit)
3	70051124	4	□RING, seal
4	70051125	2	□GASKET, seal ring
5	70081194	6	STUD, locating, seal ring (Rivets to cage)
6	70085726	18	SHIM, outboard bearing cage (.015" thick. Use as req'd)
7	70621245	2	CAGE ASSY., outboard bearing (Includes item 5)
8	70629354	2	BEARING, roller (Each consists of 1 roller assembly and cups. Serviced only as a unit)
9	70081242	2	NUT, retaining, outboard bearing
	70915513	2	PIN, spring, 1/4" x 3/4"
10	70085827	4	SHIM, bearing adjustment (.005" thick. Use as req'd)
	70085829	4	SHIM, bearing adjustment (.007" thick. Use as req'd)
	70085828	10	SHIM, bearing adjustment (.010" thick. Use as req'd)
11	70085831	2	CAP, outboard bearing
12	70924864	12	CAPSCREW, 1/2"NC x 2-1/4"
13	70927204	4	CAPSCREW, 1/2"NF x 1-1/8"
	70912441	16	LOCKWASHER, 1/2"

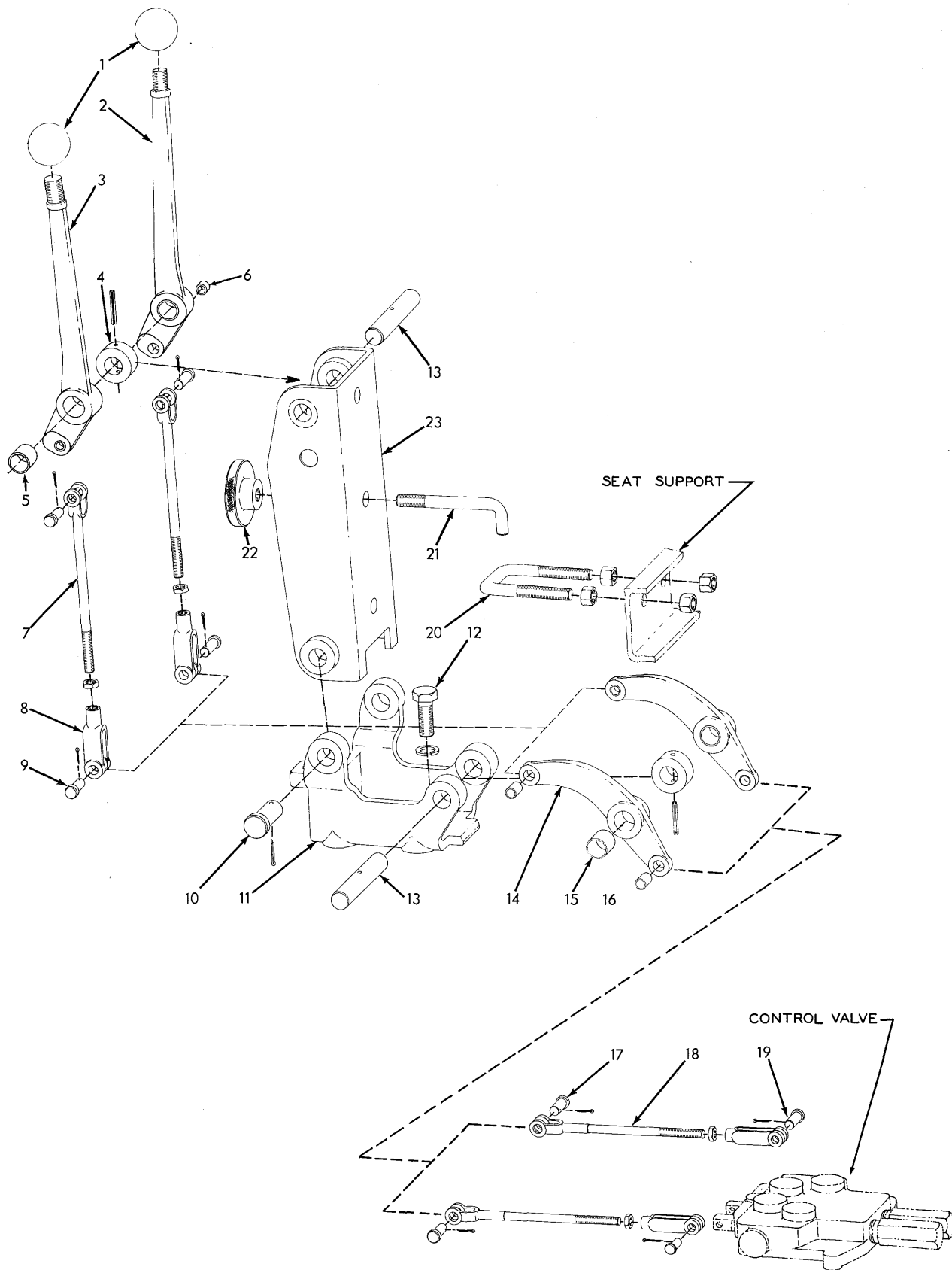
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FINAL DRIVE OUTBOARD BEARING AND SEAL (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
14	70633559	2	GUARD, track sprocket (Used prior to tractor #16007)
	70631973	2	GUARD, track sprocket (Effective with tractor #16007)
15	70927353	4	CAPSCREW, 1/2"NF x 1-1/4"
	70900818	4	WASHER, plain, U.S. std., 1/2"
16	70920574	4	CAPSCREW, 1/2"NF x 1-3/8"
	70912441	8	LOCKWASHER, 1/2"
17	70064531	4	WASHER, plain
18	70033288	-	CEMENT, neoprene, 1/2 pt. can
19	70054890	-	SOLVENT, neoprene cement, 1/2 pt. can
20	70660382	2	SEAL KIT (Includes parts for one (1) side only; items 1 thru 4)

} For cementing
boots and gaskets

□Indicates components of item 20

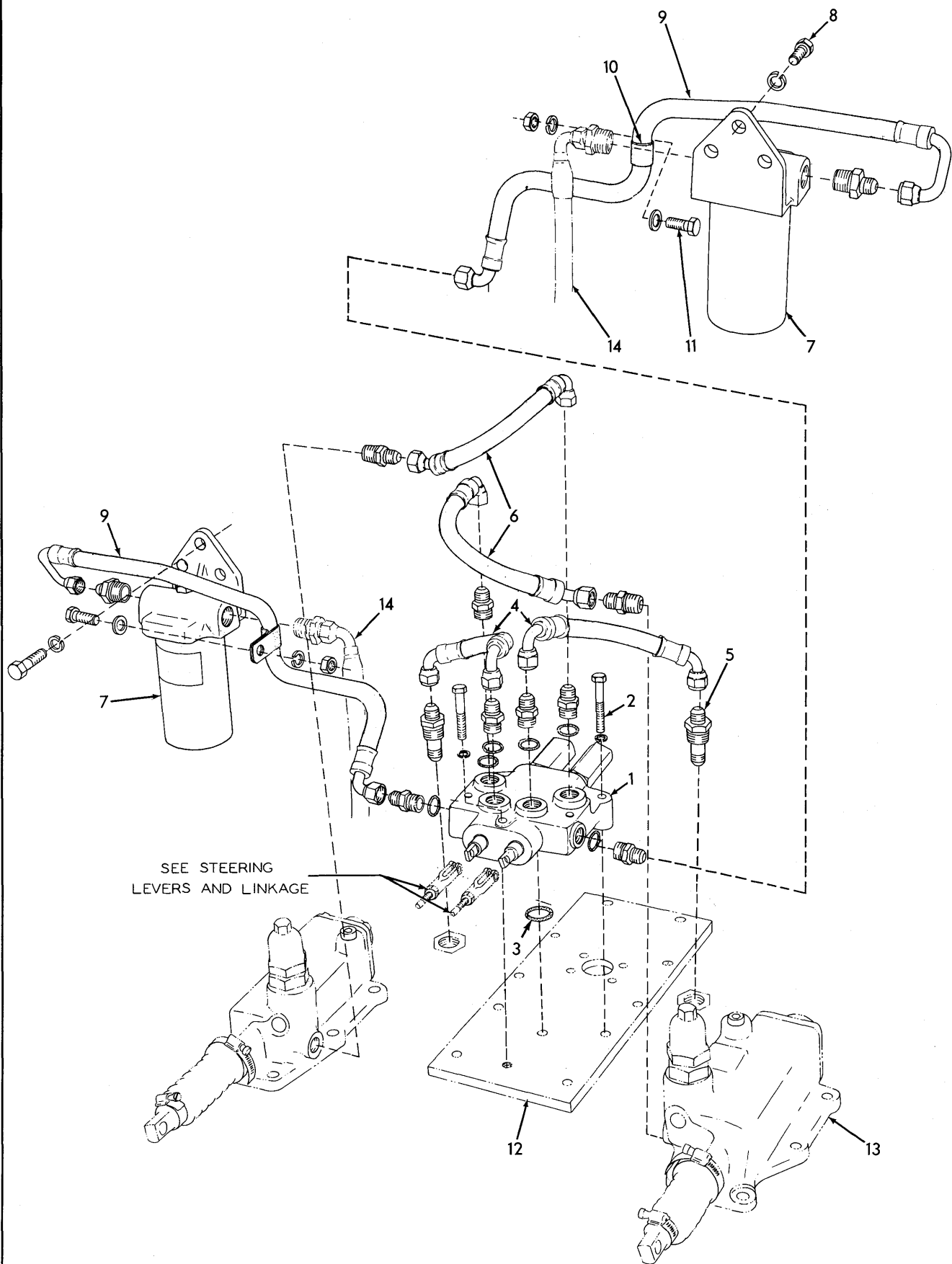


STEERING LEVERS AND LINKAGE

T-39318

STEERING LEVERS AND LINKAGE

ITEM	PART NO.	QTY.	DESCRIPTION
1	70090020	2	KNOB, steering lever
2	70637530	1	LEVER ASSY., steering, right (Includes items 5 and 6)
3	70637529	1	LEVER ASSY., steering, left (Includes items 5 and 6)
4	70628160	2	SPACER, steering lever shaft
	70915989	2	PIN, spring, 3/16" x 1-3/8"
5	70628157	2	BUSHING, steering levers (large)
6	70624584	2	BUSHING, steering levers (small)
7	70628324	2	ROD, control, vertical
	70911041	2	NUT, 3/8"NF
8	70628736	2	YOKE, vertical control rod
9	70078810	4	PIN, control rod yoke
	70900801	4	PIN, cotter, 3/32" x 3/4"
10	70917650	2	PIN, steering lever bracket
	70910302	2	PIN, cotter, 5/32" x 1-1/4"
11	70653914	1	BRACKET, mounting
12	70913828	2	CAPSCREW, 5/8"NC x 1-1/2"
	70904209	2	LOCKWASHER, 5/8"
13	70628159	2	SHAFT, cross
14	70624178	2	LEVER ASSY., bellcrank (Includes items 15 and 16)
15	70628157	2	BUSHING, lever (large)
16	70624584	4	BUSHING, lever (small)
17	70078810	2	PIN, control rod yoke, front
	70900801	2	PIN, cotter, 3/32" x 3/4"
18	70628325	2	ROD, control, horizontal
	70910980	2	NUT, jam, 5/16"NF
	70917663	2	YOKE, rod end, adjustable, 5/16"NF
19	70627451	2	PIN, control rod yoke, rear
	70900801	2	PIN, cotter, 3/32" x 3/4"
20	70630439	1	U-BOLT, bracket supporting
	70911043	4	NUT, 1/2"NF
21	70630962	1	BOLT, hook, bracket supporting
22	70630948	1	KNOB, bracket supporting bolt
23	70628331	1	BRACKET, steering lever



T-70907

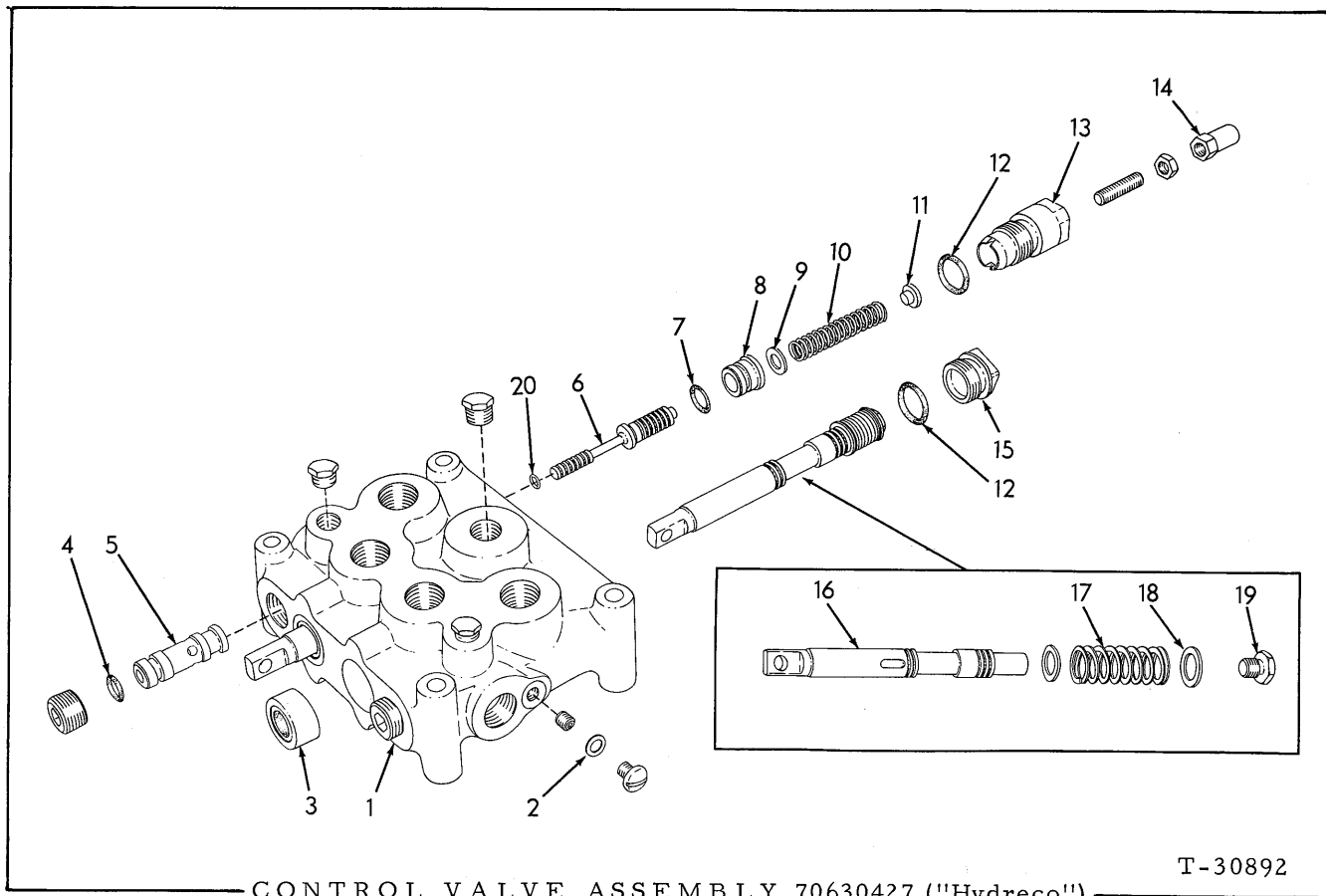
CONTROL VALVE AND FILTERS

CONTROL VALVE AND FILTERS

*Tractors prior to serial No. 17712
 **Tractors serial No. 17712 thru No. 19661
 ***Tractors serial No. 19662 and up; also serial No.
 88Y22251 and up

ITEM	PART NO.	QUANTITY			DESCRIPTION
		*	**	***	
1	70630427	1	1	-	VALVE ASSY. ("Hydrcco". See page 180)
	70651432	-	-	1	VALVE ASSY. ("Cessna". See page 182)(Tractors prior to unit #23369)
	70695688	-	-	1	VALVE ASSY. ("Cessna". See page 183)(Tractors unit #23369 and up)
2	70086238	4	4	-	CAPSCREW, 3/8"NC x 3-3/4"
	70620253	-	-	1	CAPSCREW, 3/8"NF x 2-3/4"
	70912069	-	-	2	CAPSCREW, 3/8"NC x 2-1/2"
	70904206	4	4	3	LOCKWASHER, 3/8"
3	70923575	1	1	-	O-RING, valve to compartment cover
	70923947	-	-	1	O-RING, valve to compartment cover
4	70644395	2	2	2	HOSE, clutch control (See HOSE PARTS)
	70919128	2	2	-	CONNECTOR, flare type, 1/2" tube, 1/2"NPT male
	70921409	-	-	2	CONNECTOR, flare type, 1/2" tube, 3/4"NF male end (Includes O-RING 70921349)
5	70628458	2	2	2	UNION, bulkhead
6	70644394	2	2	2	HOSE, brake control (See HOSE PARTS)
	70919128	4	4	2	CONNECTOR, flare type, 1/2" tube, 1/2"NPT male
	70921409	-	-	2	CONNECTOR, flare type, 1/2" tube, 3/4"NF male end (Includes O-RING 70921349)
7	70631512	2	2	2	FILTER ASSY. (See page 184 for parts)
8	70913249	6	6	6	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	6	6	6	LOCKWASHER, 1/2"
9	70644860	2	2	2	HOSE, filter to valve (See HOSE PARTS)
	70921466	2	2	2	CONNECTOR, flare type, 1/2" tube, 3/4"NPT male
	70919128	2	2	-	CONNECTOR, flare type, 1/2" tube, 3/4"NPT male
	70921409	-	-	2	CONNECTOR, flare type, 1/2" tube, 3/4"NF male end (Includes O-RING 70921349)
10	70094467	2	-	-	CLIP, hose supporting (3/4" diam., 13/32" bolt-hole)
	70644713	-	2	2	CLIP, hose supporting (7/8" diam., 17/32" bolt-hole)
11	70915408	1	1	1	CAPSCREW, 3/8"NC x 3/4"
	70911115	1	1	1	WASHER, plain, SAE std., 3/8"
	70904206	1	1	1	LOCKWASHER, 3/8"
	70911026	1	1	1	NUT, 3/8"NC
12	-----	1	1	1	COVER, bevel gear compartment (See MAIN HOUSING)
13	-----	2	2	2	VALVE ASSY. (See BRAKES)
14	-----	2	2	2	HOSE, pump to filter (See STEERING PUMP and LINES)

NOTE: See PAINTING and MARKING for transfers applied to filters



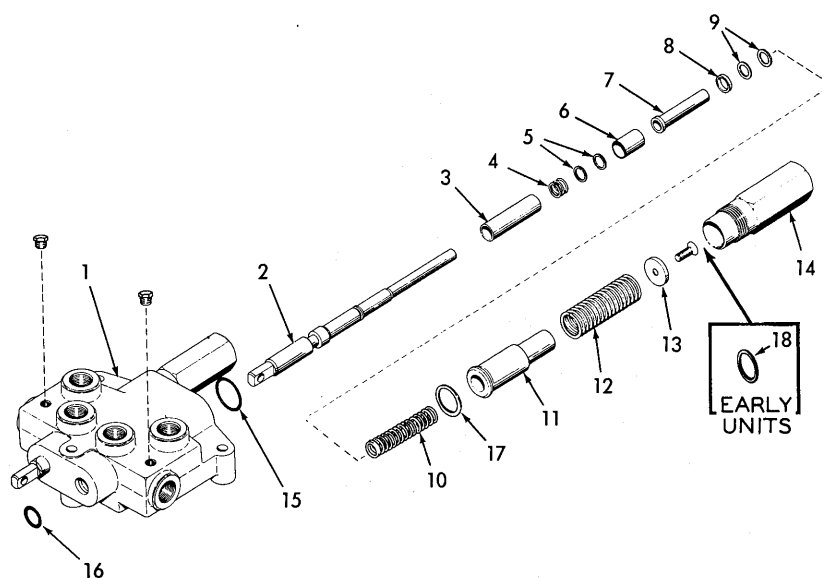
USAGE: See page 179

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
10	70630528	2	SPRING, relief valve

(Continued)

CONTROL VALVE ASSEMBLY 70630427 ("Hydreco")(Continued)

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



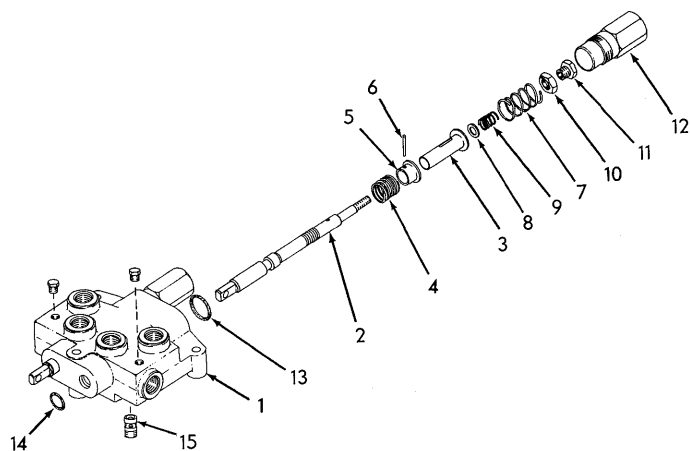
T-72040

CONTROL VALVE ASSEMBLY 70651432 ("Cessna")

USAGE: See page 179

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	BODY (Not serviced separately)
	70919134	2	PLUG, pipe, hex-hd., 1/8"NPT
2	-----	2	PLUNGER (Not serviced separately)
3	70651564	2	PISTON, pressure regulating
4	70651569	2	SPRING, pressure regulating (short)
5	{ 70651576	-	SHIM, pressure adjustment (.015" thick)
	70651577	-	SHIM, pressure adjustment (.005" thick)
6	70651571	2	SLEEVE, valve plunger (outer)
7	70651572	2	SLEEVE, valve plunger (inner)
8	70651573	2	WASHER, valve plunger
9	{ 70651574	-	SHIM, pressure adjustment (.015" thick)
	70651575	-	SHIM, pressure adjustment (.005" thick)
10	70661676	2	SPRING, pressure regulating (long)
11	70651565	2	SLEEVE, plunger return spring
12	70651570	2	SPRING, plunger return
13	70651567	2	WASHER, end, valve plunger
	70924989	2	SCREW, machine, flat-hd., 1/4"NF x 7/8"
14	70651566	2	CAP, valve plunger
15	70924416	2	O-RING, valve body (large)
16	70923645	2	O-RING, valve body (small)
17	70663123	2	SHIM, plunger clearance (Late units)
18	70663124	2	SHIM, plunger clearance (Early units)

} Use as req'd

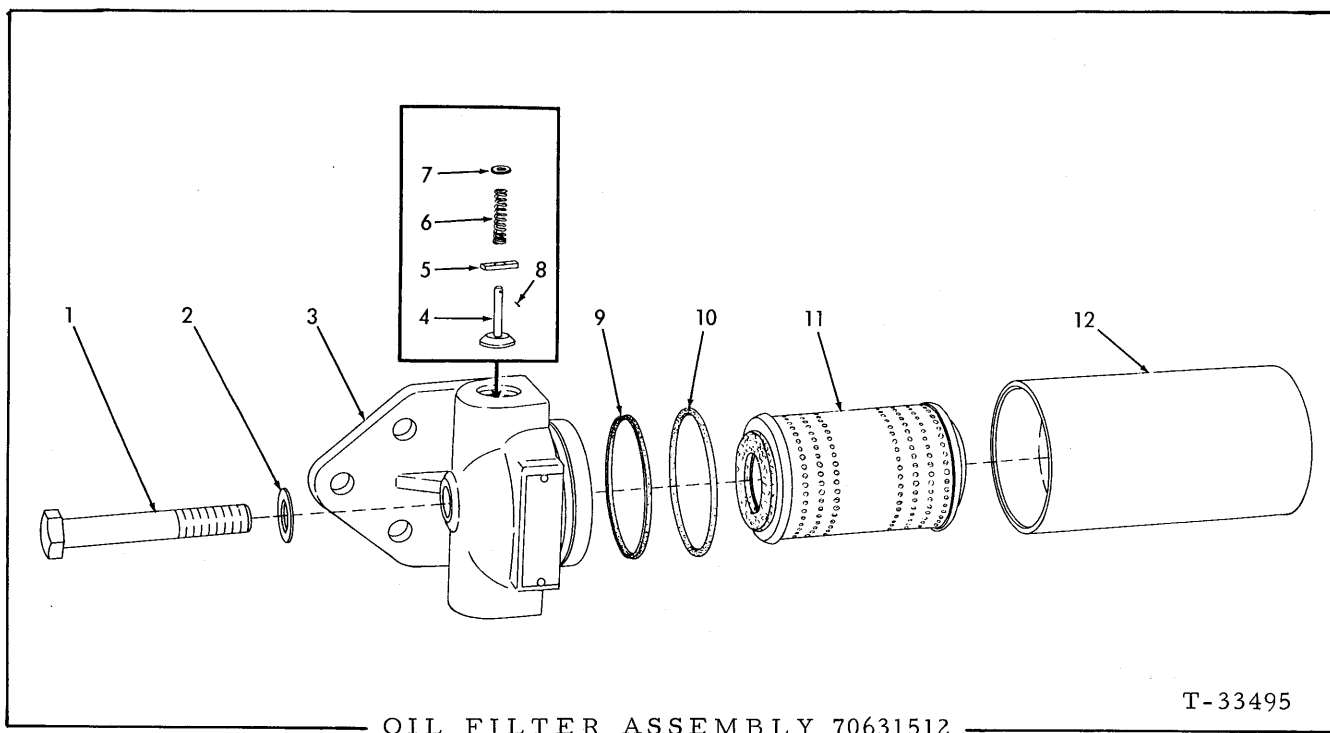


T-75919

CONTROL VALVE ASSEMBLY 70695688 ("Cessna")

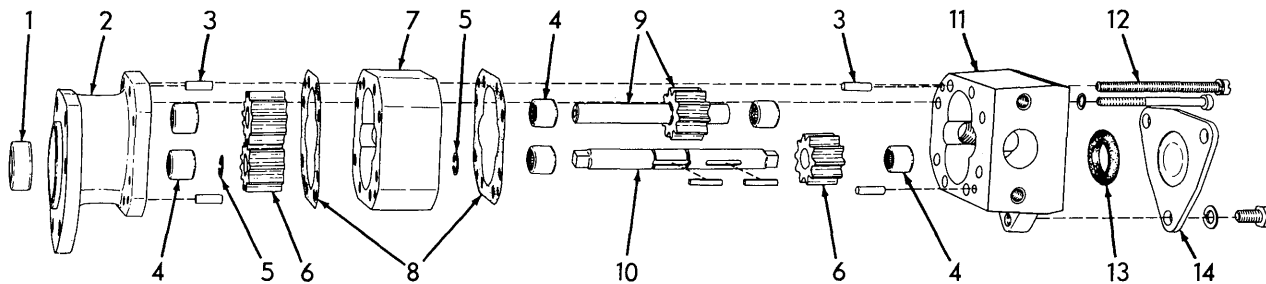
USAGE: See page 179

ITEM	PART NO.	QTY.	DESCRIPTION
1	----- 70919134	1 2	BODY (Not serviced separately) PLUG, pipe, hex-hd., 1/8"NPT
2	-----	2	PLUNGER (Not serviced separately)
3	70677636	2	SLEEVE
4	70677643	2	SPRING
5	70677637	2	BUSHING
6	70916168	2	PIN, spring, 1/8"diam. x 3/4"
7	70684654	2	SPRING
8	70677641	2	WASHER
9	70677642	2	SPRING
10	70677639	2	NUT
11	70677638	2	RETAINER
12	70677634	2	CAP
13	70924416	2	O-RING (large)
14	70923645	2	O-RING (small)
15	70695996	1	LIFT CHECK ASSY., (Service only as a unit)



USAGE: See page 179

ITEM	PART NO.	QTY.	DESCRIPTION
1	70070299	1	CAPSCREW, tank retaining (5/8"NF x 4")
2	70631869	1	WASHER, tank retaining capscREW
3	70631846	1	HEAD
4	-----	1	VALVE, by-pass (Requires snap ring)(Early units. Order VALVE 70646302 and PIN 70900970).
	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" (Late units)
9	70632062	1	RING, sealing, filter head
10	70632063	1	O-RING, filter head
11	70631827	1	ELEMENT KIT (Includes items 2, 9 and 10)
12	70632064	1	TANK

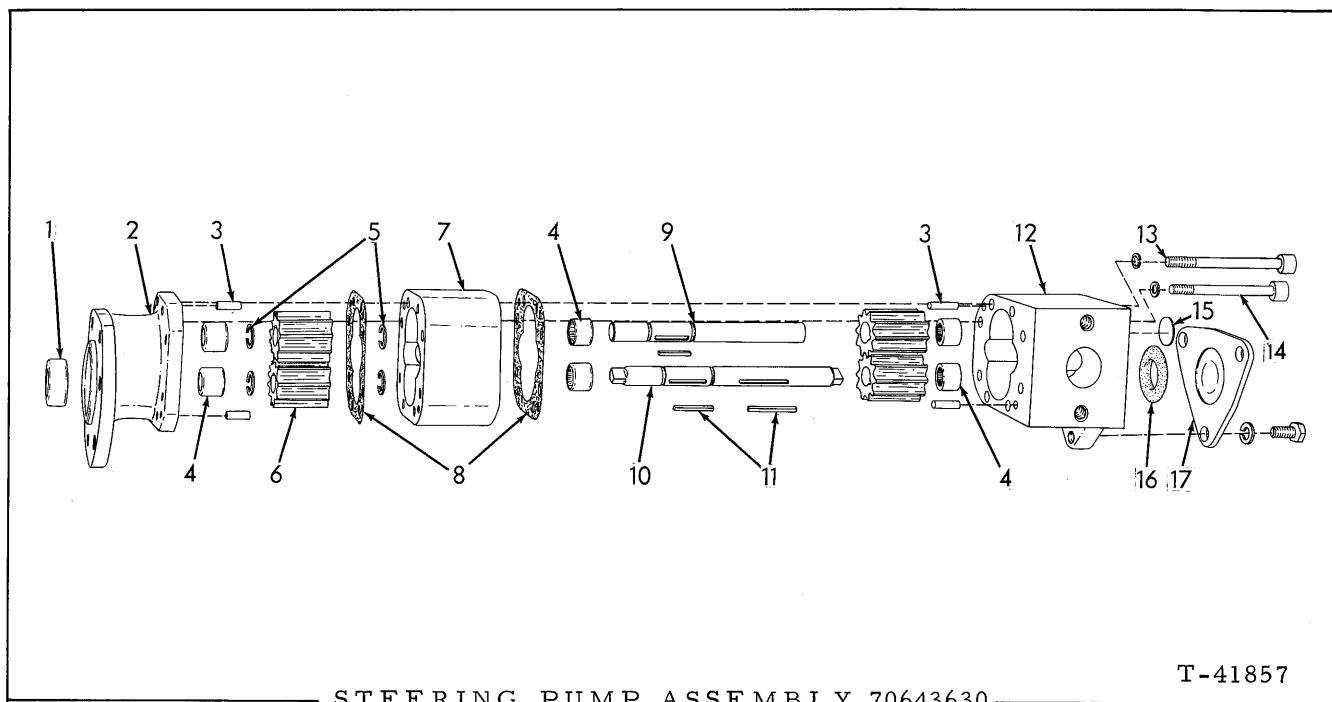


STEERING PUMP ASSEMBLY 70099511

T-24155

USAGE: See page 188

ITEM	PART NO.	QTY.	DESCRIPTION
1	74047783	1	SEAL, pump shaft
2	-----	1	STATOR (Not serviced separately)
3	74048000	4	PIN, dowel
4	70077241	6	BEARING, needle
5	70099949	2	RING, snap, drive shaft
6	70099944	3	GEAR
7	-----	1	HOUSING, front (Not serviced separately)
8	70621363	2	GASKET, front housing
9	70622173	1	SHAFT ASSY., driven (Includes gear and snap rings) Serviced only as a unit)
10	70099945	1	SHAFT, drive
	70920994	2	KEY, straight, 1/8" x 1/8" x 3/4"
11	-----	1	HOUSING, rear (Not serviced separately)
	70903747	6	SCREW, fil-hd., 1/4"NC x 3"
	70904204	6	LOCKWASHER, 1/4"
12	70081802	2	SCREW, fil-hd., 1/4"NC x 3-1/2" (Includes lockwasher)
13	70099941	1	O-RING, rear cover
14	70099939	1	CAP, rear
	70905661	3	CAPSCREW, 5/16"NC x 5/8"
	70904205	3	LOCKWASHER, 5/16"



USAGE: See page 188

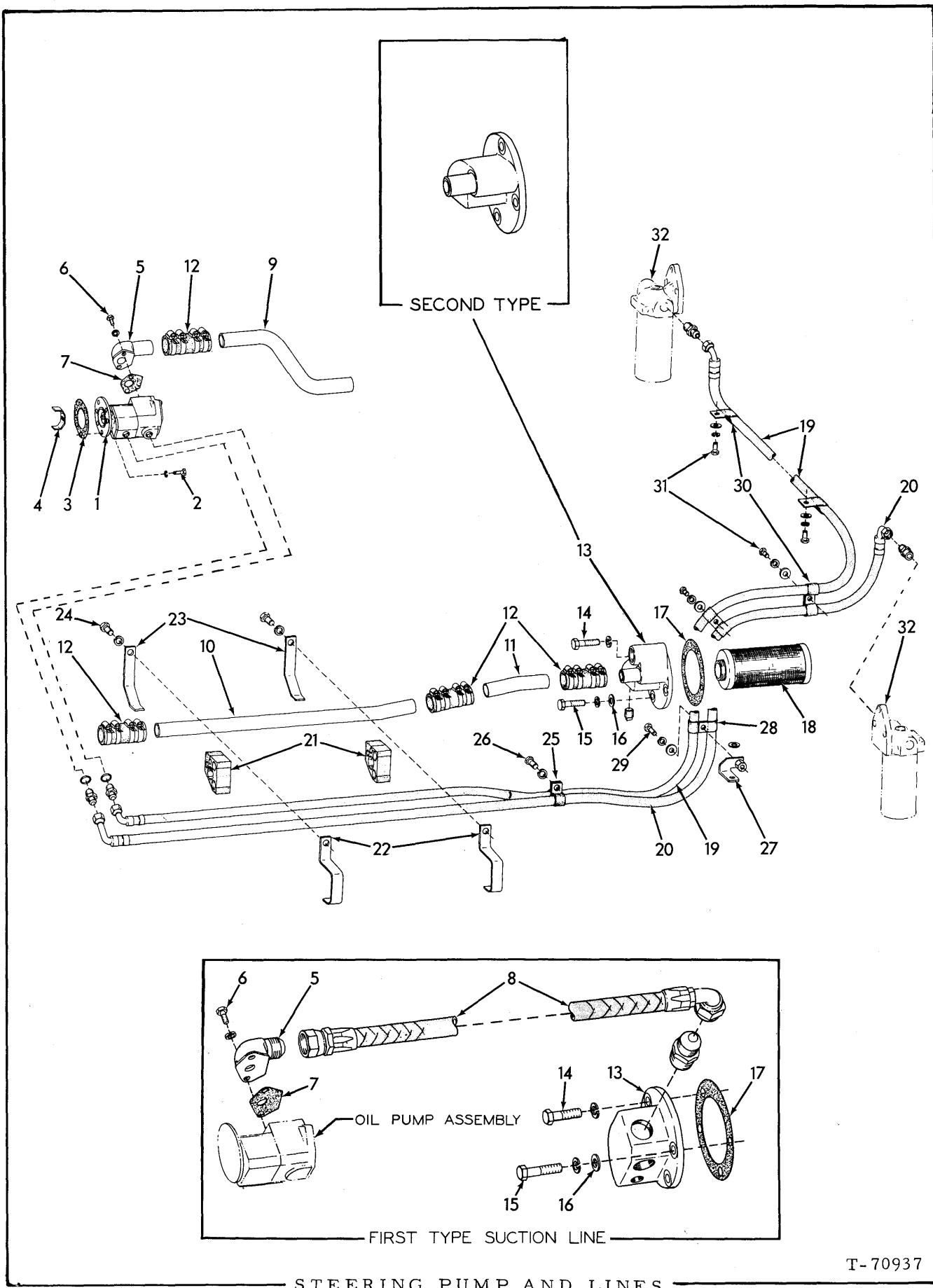
ITEM	PART NO.	QTY.	DESCRIPTION
1	73033846	1	SEAL, pump shaft
2	-----	1	STATOR (Not serviced separately)
3	74048000	4	PIN, dowel
4	73033589	6	BEARING, needle
5	70643739	4	RING, snap, gear retaining
6	70643720	4	GEAR
7	-----	1	HOUSING, front (Not serviced separately)
8	70621363	2	GASKET, front housing
9	70643717	1	SHAFT, idler
10	70643716	1	SHAFT, drive
11	73010542	3	KEY, straight
12	-----	1	HOUSING, rear (Not serviced separately)
13	70667395	2	SCREW, hex socket-hd., 1/4"NC x 4-1/2"
14	70667396	6	SCREW, hex socket-hd., 1/4"NC x 4"
	70904204	8	LOCKWASHER, 1/4"
15	70092107	1	PLUG, expansion, 11/16" diam.
16	70099941	1	O-RING, rear cover
17	70099939	1	CAP, rear
	70916277	3	CAPSCREW, 5/16"NC x 5/8"
	70904205	3	LOCKWASHER, 5/16"

STEERING PUMP AND LINES

*Tractors prior to serial No. 14784
 **Tractors serial No. 14784 thru No. 17711
 ***Tractors serial No. 17712 and up

ITEM	PART NO.	QUANTITY			DESCRIPTION
		*	**	***	
1	70099511	1	1	-	PUMP ASSY., oil (See page 185 for parts)
	70643630	-	-	1	PUMP ASSY., oil (See page 186 for parts)
2	70921194	6	6	6	CAPSCREW, Nylok, 5/16"NC x 7/8"
	70904205	6	6	6	LOCKWASHER, 5/16"
3	70099510	1	1	1	GASKET, oil pump
4	70630914	1	1	1	COUPLING, pump drive
5	70099534	1	-	-	ELBOW, pump inlet
	70630301	-	1	1	ELBOW, pump inlet
6	70915809	2	2	2	CAPSCREW, 5/16"NC x 3/4"
	70904205	2	2	2	LOCKWASHER, 5/16"
7	70099533	1	1	1	GASKET, pump elbow
8	70628186	1	-	-	HOSE ASSY., suction (See HOSE PARTS)(Order items 9 thru 12, 1 ELBOW 70630301, 1 COVER 70646587 and 1 HOSE 70645438)
	70919064	1	-	-	CONNECTOR, flare type, 1" tube, 1"NPT male
9	70630288	-	1	-	TUBE, suction line, front section
	70644373	-	-	1	TUBE, suction line, front section
10	70630287	-	1	1	TUBE, suction line, center section
11	70630286	-	1	1	TUBE, suction line, rear section
12	70630636	-	4	4	HOSE, suction line
	70921912	-	16	16	CLAMP, hose, 1-1/16" to 2" diam.
13	-----	1	-	-	COVER, oil screen compartment (Order item 9 thru 12, 1 ELBOW 70630301, 1 COVER 70646587 and 1 HOSE 70645438)
	-----	-	1	1	COVER, oil screen compartment (Used prior to tractor #18347. Order COVER 70646587 and HOSE 70645438)
	70646587	-	-	1	COVER, oil screen compartment (Effective with tractor #18347)
	70905261	-	-	1	PLUG, pipe, 1/2"NPT (For units without PUSH-START HYDRAULICS)
14	70916314	1	1	1	CAPSCREW, 1/2"NC x 2"
15	70916315	3	3	3	CAPSCREW, 1/2"NC x 2-1/4"
	70904208	4	4	4	LOCKWASHER, 1/2"
16	70058614	3	3	3	WASHER, plain
17	70623805	1	1	1	GASKET, screen compartment cover
18	70623268	1	1	1	SCREEN, oil

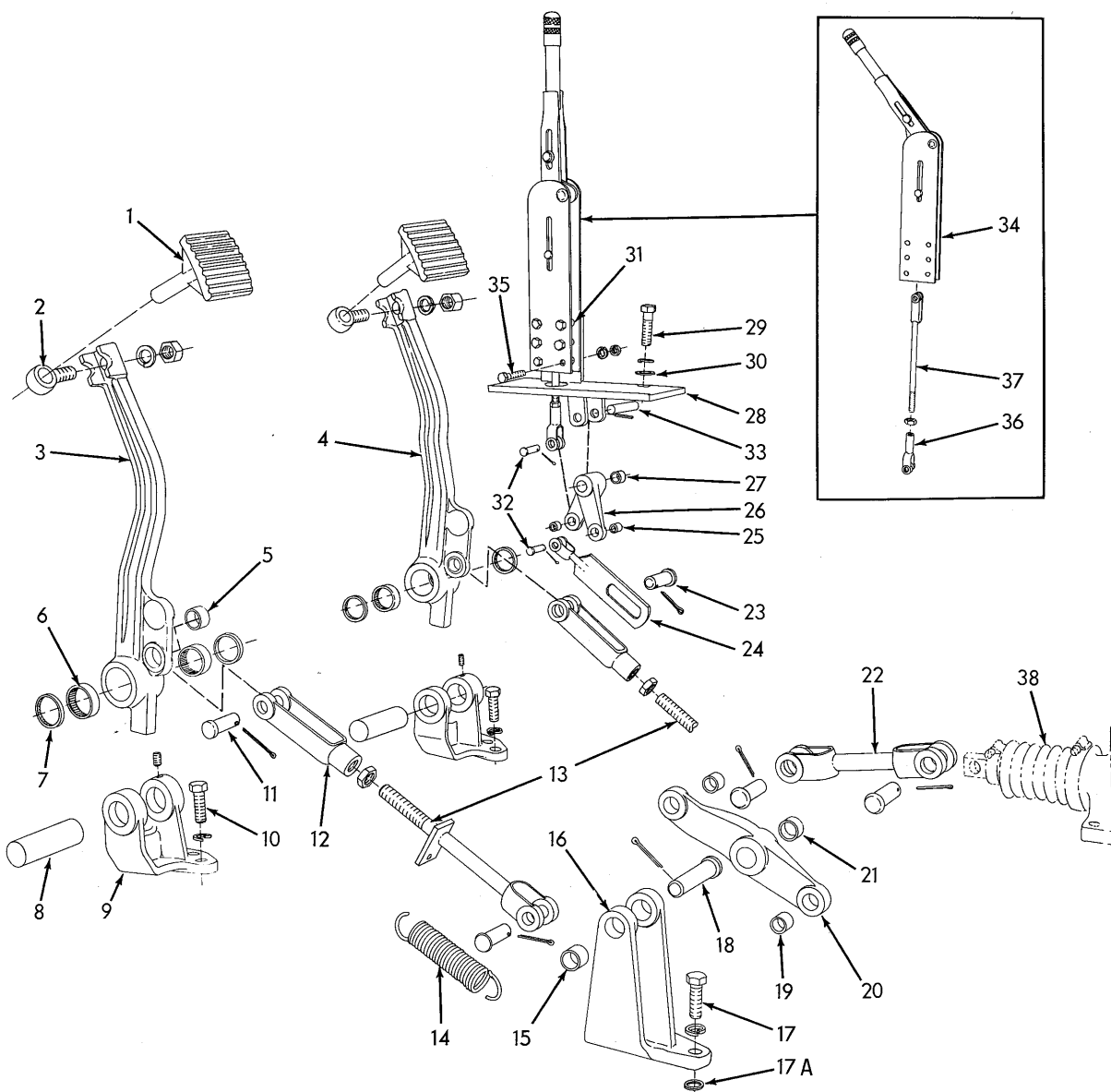
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T-70937

STEERING PUMP AND LINES (Continued)

ITEM	PART NO.	QUANTITY			DESCRIPTION
		*	**	***	
19	70644859	1	1	1	HOSE, pump to right filter (See HOSE PARTS)
	70919128	1	1	-	CONNECTOR, flare type, 1/2" tube, 1/2"NPT male
	70921409	-	-	1	CONNECTOR, flare type, 1/2" tube, 3/4" straight thread (Includes O-RING 921349)
	70921466	1	1	1	CONNECTOR, flare type, 1/2" tube, 3/4"NPT male
20	70644858	1	1	1	HOSE, pump to left filter (See HOSE PARTS)
	70919128	1	1	-	CONNECTOR, flare type, 1/2" tube, 1/2"NPT male
	70921409	-	-	1	CONNECTOR, flare type, 1/2" tube, 3/4" straight thread (Includes O-RING 921349)
	70921466	1	1	1	CONNECTOR, flare type, 1/2" tube, 3/4"NPT male
21	70628634	2	2	-	BLOCK, suction line supporting (rubber)
	70644371	-	-	2	BLOCK, suction line supporting (rubber)
22	70628632	2	2	-	CLAMP, suction line supporting
	70644369	-	-	2	CLAMP, suction line supporting
23	70628633	2	2	-	CLAMP, suction line supporting
	70644368	-	-	2	CLAMP, suction line supporting
24	70913249	2	2	2	CAPSCREW, clamp attaching (1/2"NF x 1-1/4")
	70904208	2	2	2	LOCKWASHER, 1/2"
25	70621304	2	2	-	CLIP, hose supporting (3/4" diam., 9/16" bolt-hole)
	70644713	-	-	2	CLIP, hose supporting (7/8" diam., 17/32" bolt-hole)
26	70070469	1	1	1	CAPSCREW, 1/2"NF x 1-1/4" (Early units)
	70916311	-	-	1	CAPSCREW, 1/2"NC x 1-1/4" (Late units)
	70904208	1	1	1	LOCKWASHER, 1/2"
27	70648319	1	1	1	ANGLE, clip supporting
	70910244	1	1	1	WASHER, plain, SAE std., 1/2"
28	70094467	2	2	-	CLIP, hose supporting (3/4" diam., 13/32" bolt-hole)
	70644713	-	-	2	CLIP, hose supporting (7/8" diam., 17/32" bolt-hole)
29	70036039	1	1	1	CAPSCREW, 3/8"NF x 1-3/8" (Early units)
	70919225	-	-	1	CAPSCREW, 3/8"NC x 1-3/8" (Late units)
	70904206	1	1	1	LOCKWASHER, 3/8"
	70911115	1	1	1	WASHER, plain, SAE std., 3/8"
30	70094467	6	6	-	CLIP, hose supporting, (3/4" diam., 13/32" bolt-hole)
	70644713	-	-	6	CLIP, hose supporting, (7/8" diam., 17/32" bolt-hole)
31	70036032	4	4	4	CAPSCREW, 3/8"NF x 3/4" (Early units)
	70915408	-	-	4	CAPSCREW, 3/8"NC x 3/4" (Late units)
	70904206	4	4	4	LOCKWASHER, 3/8"
	70911115	4	4	4	WASHER, plain, SAE std., 3/8"
32	-----	-	-	-	FILTER ASSEMBLY (See CONTROL VALVE AND FILTERS)



T-38216

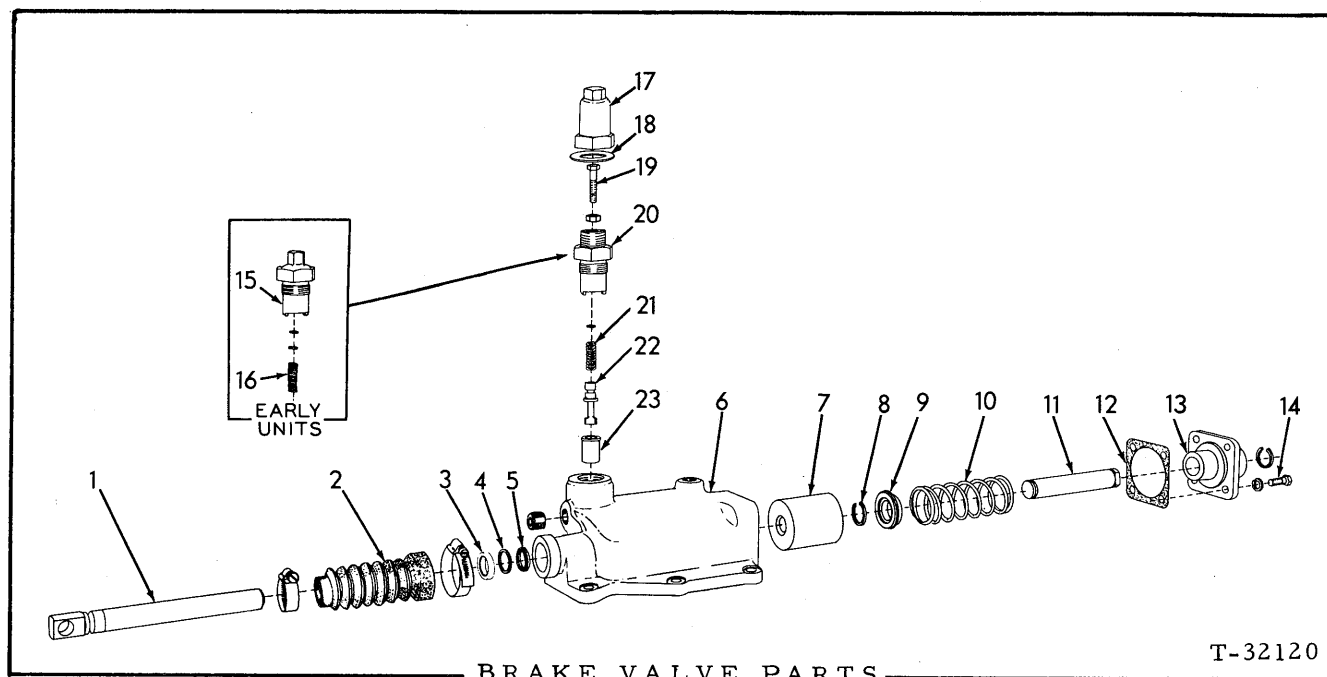
— BRAKE CONTROL —

ITEM	PART NO.	QTY.	DESCRIPTION
1	70627404	2	PAD, pedal lever
2	70050433	2	BOLT, eye, pedal lever pad
	70904209	2	LOCKWASHER, 5/8"
	70911044	2	NUT, 5/8"NF
3	70639499	1	LEVER ASSY., pedal, left (Includes item 5)
4	70639654	1	LEVER ASSY., pedal, right (Includes item 5)
5	70052669	2	BUSHING, pedal lever
6	70053244	4	BEARING, needle, pedal lever
7	70053243	4	SEAL, dust, pedal lever
8	70628208	2	SHAFT, pedal lever
	70903093	2	SETSCREW, slotted-hd., cup-pt., 3/8"NC x 5/8"

(Continued)

BRAKE CONTROL (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
9	70627390	2	BRACKET, pedal lever
10	70913105	8	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	8	LOCKWASHER, 1/2"
11	70052671	7	PIN, brake rod
	70900806	7	PIN, cotter, 1/8" x 1"
12	70628730	2	YOKE, brake rod
13	70628495	2	ROD, pedal to bellcrank lever
	70911049	2	NUT, jam, 5/8"NF
14	70624766	2	SPRING, pedal retracting
15	70623164	4	BUSHING, bellcrank lever bracket
16	70627407	2	BRACKET ASSY., bellcrank lever (Includes item 15)
17	70913105	6	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	6	LOCKWASHER, 1/2"
17A	70916009	4	WASHER, shimming, bellcrank lever bracket (Use as req'd)
18	70628467	2	PIN, bellcrank lever
	70910302	2	PIN, cotter, 5/32" x 1-1/4"
19	70052669	4	BUSHING, bellcrank lever, end
20	70627411	2	LEVER ASSY., bellcrank (Includes items 19 and 21)
21	70631235	4	BUSHING, bellcrank lever, center
22	70627401	2	ROD, bellcrank lever to valve
23	70643996	1	PIN, right brake rod
	70900806	1	PIN, cotter, 1/8" x 1"
24	70630919	1	ROD, bellcrank to pedal
25	70624584	2	BUSHING, bellcrank, end
26	70630922	1	BELLCRANK ASSY., parking brake rod (Includes items 25 and 27)
27	70049988	2	BUSHING, bellcrank, center
28	70630936	1	BRACKET, lever mounting
29	70916313	3	CAPSCREW, 1/2"NC x 1-3/4"
	70904208	3	LOCKWASHER, 1/2"
30	70064531	3	WASHER, plain
31	70083847	6	SPACER, parking brake lever
32	70078810	2	PIN, parking brake rod
	70900942	2	PIN, cotter, 3/32" x 5/8"
33	70630937	1	SHAFT, bellcrank
	70918111	1	PIN, roll, 1/8" x 1"
34	70083850	1	LEVER ASSY., parking brake (Serviced only as a unit)
35	70916280	6	CAPSCREW, 5/16"NC x 2"
	70904205	6	LOCKWASHER, 5/16"
	70911025	6	NUT, 5/16"NC
36	70628736	1	YOKE, parking brake rod
37	70628324	1	ROD, parking brake lever to bellcrank
38	-----	-	VALVE ASSY (See BRAKES)



USAGE: See page 195

*Tractors prior to serial No. 16749

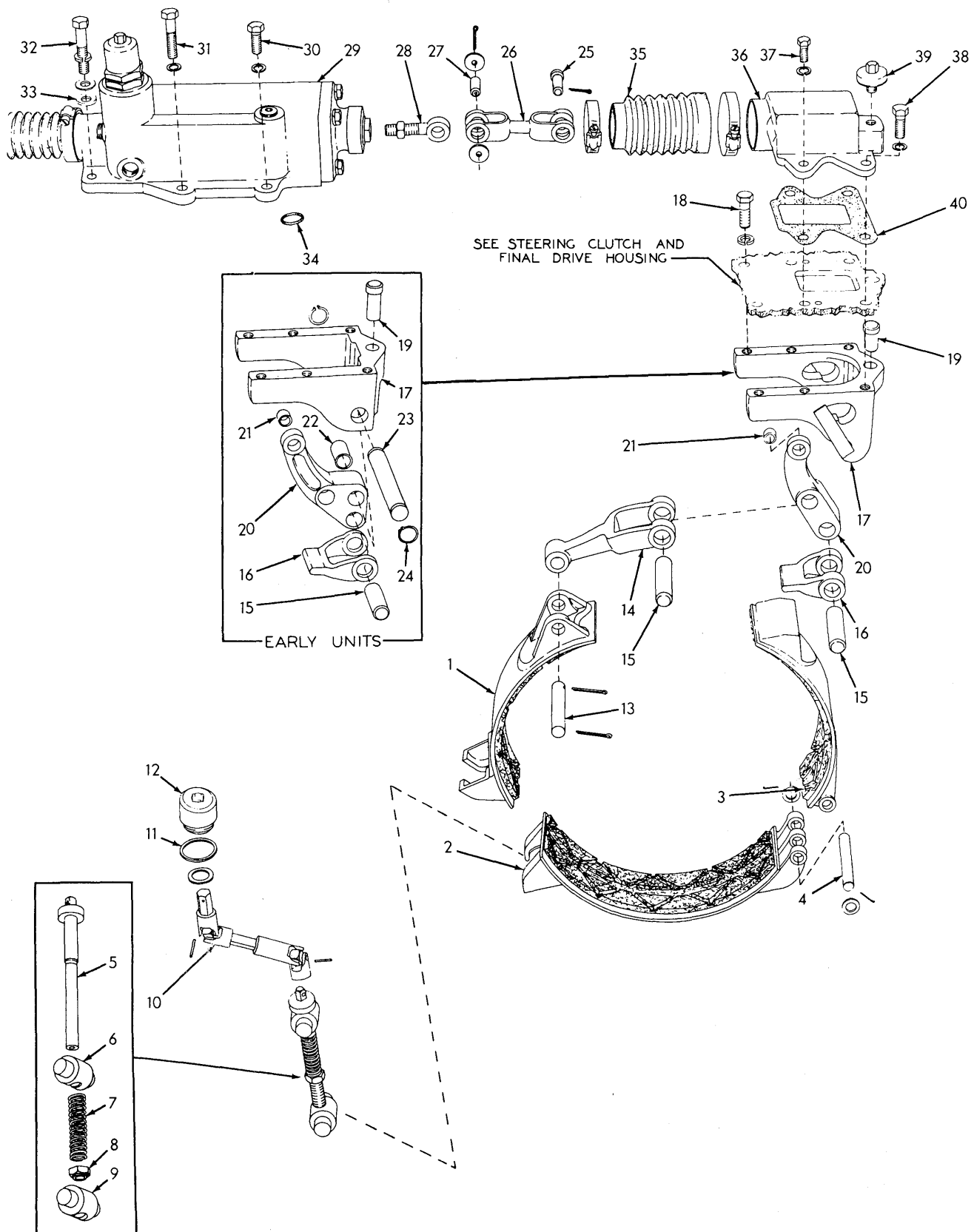
**Tractors serial No. 16749 and up

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
NOTE: Quantities shown are for one (1) Valve Assembly only				
1	70624765	1	1	SPOOL, valve
2	70079421	1	1	BOOT, valve spool
	70921913	1	1	CLAMP, hose, 1-13/16" to 2-3/4" diam. (rear)
	70921912	1	1	CLAMP, hose, 1-1/16" to 2" diam. (front)
3	70052641	1	1	SEAL, outer
4	70624812	1	1	WASHER, back-up, inner seal (vellumoid)
5	70624801	1	1	SEAL, inner
6	70624629	1	1	HOUSING, left valve
	70624630	1	1	HOUSING, right valve
	70908944	1	1	PLUG, pipe, hex-socket, 1/2"NPT
7	70624661	1	1	PISTON ASSY. (Includes fulcrum pin)
8	70624698	2	2	RING, snap, actuating rod
9	70624769	1	1	RETAINER, actuating rod spring
10	70624771	1	1	SPRING, actuating rod
11	70624699	1	1	ROD, actuating

(Continued)

BRAKE VALVE PARTS (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
12	70624811	1	1	GASKET, actuating rod retainer
13	70624640	1	1	RETAINER, actuating rod
14	70012992	4	4	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	4	4	LOCKWASHER, 3/8"
15	-----	1	-	CAP, pressure relief valve (Order items 17 thru 21)
16	70068911	1	-	SPRING, relief valve
	70911982	3	-	WASHER, plain, .049" thick (Use as req'd)
	70905272	1	-	WASHER, plain, .031" thick (Use as req'd)
17	70638562	-	1	CAP, pressure adjustment screw
18	70641148	-	1	GASKET, cap
19	70638561	-	1	CAPSCREW, pressure adjustment
	70911048	-	1	NUT, jam, 3/8"NF
20	70638563	-	1	CAP, pressure relief valve spring
21	70640290	-	1	SPRING, relief valve
	70911982	-	1	WASHER, plain
22	70628019	1	1	VALVE, relief
23	70623211	1	1	SEAT, relief valve



BRAKES

* Tractors prior to serial No. 16007

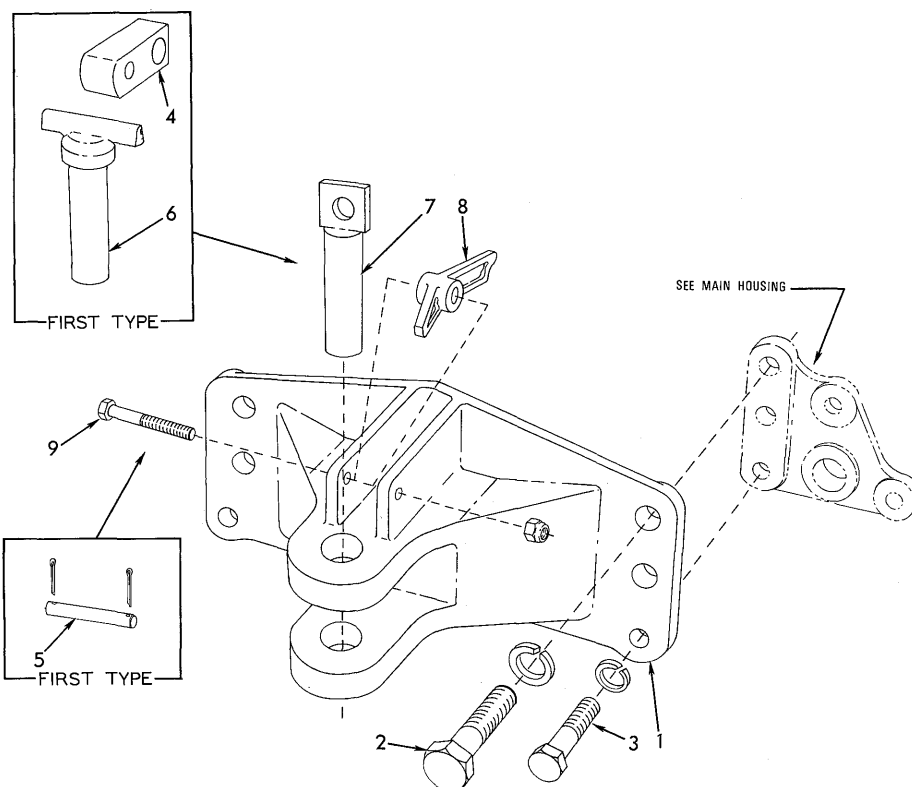
** Tractors serial No. 16007 and up.

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	70624647	2	2	BAND ASSEMBLY, top section (Includes bonded lining)
2	70624645	2	2	BAND ASSEMBLY, bottom section (Includes bonded lining)
3	70624646	2	2	BAND ASSEMBLY, rear section (Includes bonded lining)
4	70624735	2	2	PIN, band hinge
	70912476	4	4	WASHER, plain, 17/32" x 1" x .077"
	70900806	4	4	PIN, cotter, 1/8" x 1"
5	70624319	2	2	SCREW, band adjusting
6	70624359	2	2	PIN, adjusting screw, upper band
7	70098292	2	2	SPRING, band adjusting screw
8	70624318	2	2	NUT, band adjusting screw
9	70624720	2	2	PIN, adjusting screw, bottom band
10	70627334	2	2	DRIVE ASSEMBLY, universal, band adjustment (Serviced only as a unit)
	70921330	2	2	PIN, spring, 7/32" x 1-1/8" (lower)
	70920335	2	2	PIN, spring, 5/32" x 1-1/8" (upper)
	70910883	2	2	WASHER, plain, 29/32" x 1-1/2" x .107"
11	70623144	2	2	GASKET, brake adjustment hole plug
12	70653773	2	2	PLUG, brake adjustment hole
13	70624734	2	2	PIN, top band
	70900808	4	4	PIN, cotter, 1/8" x 1-1/2"
14	70624395	2	2	YOKE, brake band, upper
15	70624767	4	-	PIN, band yoke
	70638728	-	4	PIN, band yoke (Used prior to tractor #18316)
	70624767	-	4	PIN, band yoke (Effective with tractor #18316)
16	70624768	2	-	YOKE, brake band, lower
	70639434	-	2	YOKE, brake band, lower (Used prior to tractor #18316)
	70624768	-	2	YOKE, brake band, lower (Effective with tractor #18316)
17	70624486	2	-	BRACKET ASSEMBLY, band lever (Includes item 19)
	70630408	-	2	BRACKET ASSEMBLY, band lever (Includes item 19) (Used prior to tractor #18316)
	70646604	-	2	BRACKET ASSEMBLY, band lever (Includes item 19) (Effective with tractor #18316)
18	70919190	12	12	CAPSCREW, 1/2" NF x 1-3/8"
	70904208	12	12	LOCKWASHER, 1/2"
19	70624485	2	2	PIN, dowel, band lever bracket

(Continued)

BRAKES (Continued)

ITEM	PART NO.	QTY. * **		DESCRIPTION	
20	70624402	2	-	LEVER ASSEMBLY, band operating (Includes item 21)	
	70638715	-	2	LEVER ASSEMBLY, band operating (Includes items 21 and 22) (Used prior to tractor #18316)	
	70646602	-	2	LEVER ASSEMBLY, band operating (Includes item 21)(Effective with tractor #18316)	
21	70052669	2	2	BUSHING, band operating lever (short)	
22	70638730	-	2	BUSHING, band operating lever (long)	} Used prior to tractor #18316
23	70638729	-	2	PIN, band operating lever	
24	70638758	-	4	RING, snap, operating lever pin	
25	70052671	2	2	PIN, connecting rod, rear	
	70900806	2	2	PIN, cotter, 1/8" x 1"	
26	70624357	2	2	ROD, connecting	
27	70627363	2	2	PIN, connecting rod, front (Used prior to tractor #16749)	
	70919761	2	2	PIN, spring, 1/8" x 1-1/4"	
	70638504	-	2	PIN, connecting rod, front (Effective with tractor #16749)	
	70904002	-	2	PIN, cotter, 1/8" x 2"	
28	70638869	2	2	EYE, connecting (If for tractors prior to #16749 also order 1 PIN 70638504, 1 PIN 70904002 and 2 WASHER 70637730)	
	70911049	2	2	NUT, jam, 5/8"NF	
29	70638579	1	1	VALVE ASSEMBLY, left brake	} See page 192 for parts
	70638580	1	1	VALVE ASSEMBLY, right brake	
	70908944	2	2	PLUG, pipe, hex-socket, 1/2"NPT	
30	70913249	8	8	CAPSCREW, 1/2"NF x 1-1/4"	
31	70916314	3	3	CAPSCREW, 1/2"NC x 2"	
32	70916316	1	1	CAPSCREW, 1/2"NC x 2-1/2"	
	70904208	12	12	LOCKWASHER, 1/2"	
	70910244	1	1	WASHER, plain, SAE std., 1/2"	
33	70058614	1	1	WASHER, plain	
34	70923575	2	2	O-RING, valve discharge port	
35	70627459	2	2	BOOT, connecting	
	70921914	2	2	CLAMP, hose, 2-5/16" to 3-1/4" diam. (rear)	
	70921913	2	2	CLAMP, hose, 1-13/16" to 2-3/4" diam. (front)	
36	70624341	2	2	COVER, band linkage	
37	70914875	4	4	CAPSCREW, 1/2"NF x 1"	
38	70915987	4	4	CAPSCREW, 1/2"NC x 1-1/2"	
	70904208	8	8	LOCKWASHER, 1/2"	
39	70622207	2	2	BREATHING, clutch compartment	
40	70627395	2	2	GASKET, band linkage cover	



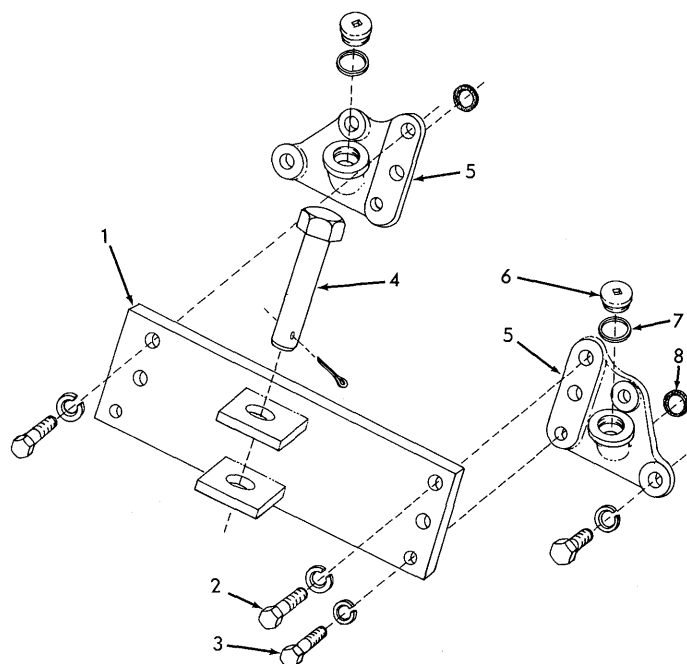
T-33402

DRAWBAR

USAGE: Standard on tractors prior to serial No. 22251; also tractors serial No. 88Y22251 thru 88Y23710. Optional thereafter.

*Tractors prior to serial No. 21642
 **Tractors serial No. 21642 and up

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	70624066	1	-	DRAWBAR
	70661334	-	1	DRAWBAR
2	70629585	4	-	CAPSCREW, 7/8"NC x 3-1/4"
	70923456	-	4	CAPSCREW, 7/8"NC x 3-1/2"
	70905347	4	4	LOCKWASHER, 7/8"
3	70045104	2	-	CAPSCREW, 3/4"NC x 3-1/4"
	70916290	-	2	CAPSCREW, 3/4"NC x 3-1/2"
	70904369	2	2	LOCKWASHER, 3/4"
4	70624059	1	-	BLOCK, locking, coupling pin
5	70624098	1	-	PIN, locking block
	70900802	2	-	PIN, cotter, 3/32" x 1"
6	70627426	1	-	PIN, drawbar coupling
7	70668389	-	1	PIN, drawbar coupling
8	70668369	-	1	LOCK, coupling pin
9	70916318	-	1	CAPSCREW, lock pivot
	70915972	-	1	NUT, elastic stop, 1/2"NC

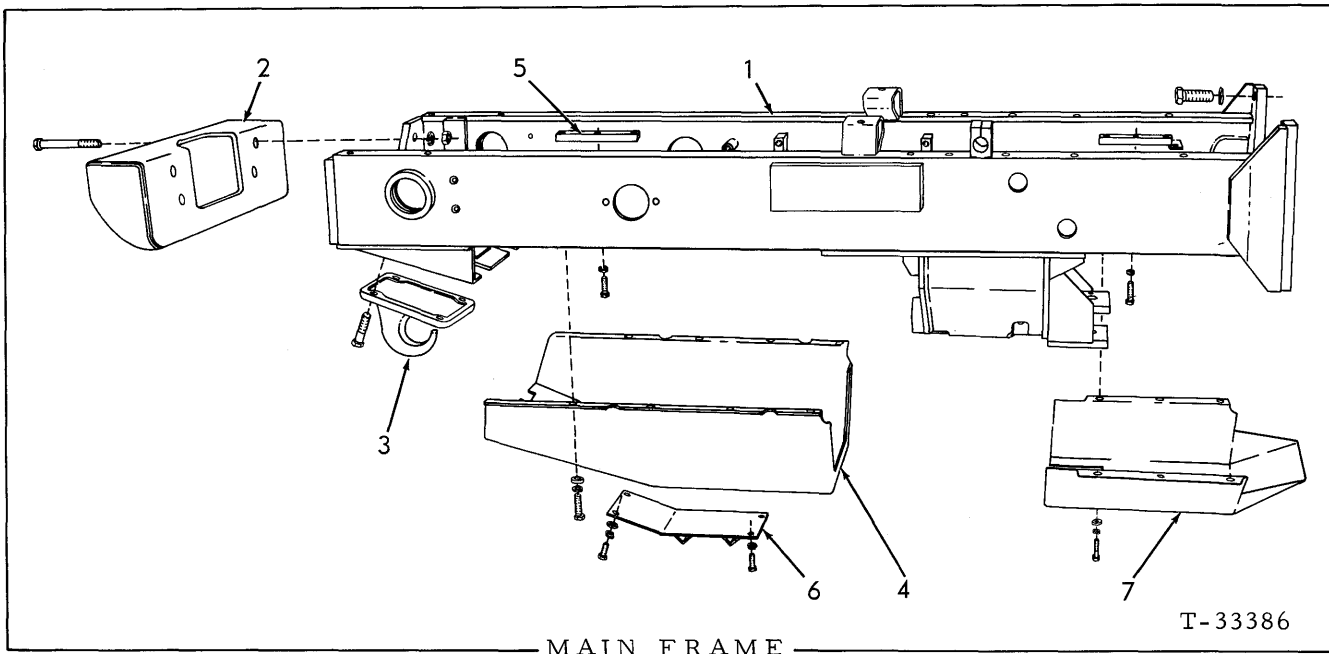


T-79359

— DRAWBAR —

USAGE: Standard on tractors prior to serial No. 22251; also on tractors serial No. 88Y22251 thru 88Y23710 and 88Y24501 thru 88Y24693. Optional on tractors serial No. 88Y23711 thru 88Y24500; also optional on tractors serial No. 88Y24694 and up.

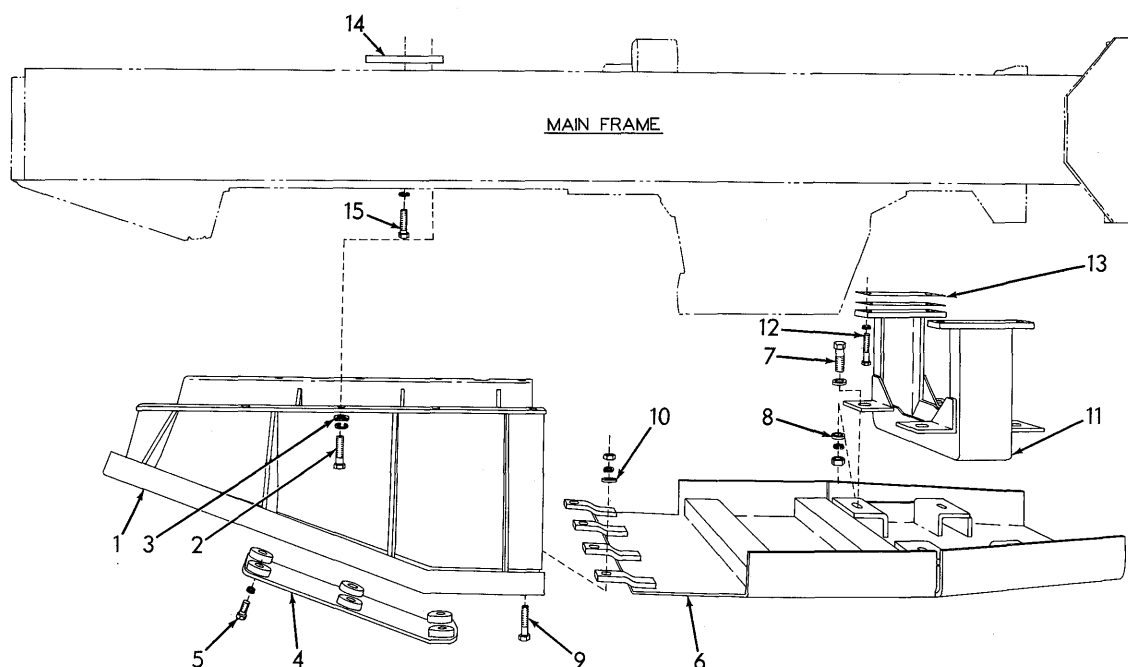
ITEM	PART NO.	QTY.	DESCRIPTION
1	70674948	1	DRAWBAR
2	70927470	4	CAPSCREW, 7/8"NC x 3-3/4"
	70914727	4	LOCKWASHER, 7/8"
3	70927020	2	CAPSCREW, 3/4"NC x 3-3/4"
	70914726	2	LOCKWASHER, 3/4"
4	70053746	1	PIN, drawbar coupling
	70901348	1	PIN, cotter, 3/8" x 2-1/2"
5	70624064	1	ELBOW, oil filler, left
	70624065	1	ELBOW, oil filler, right
	70013238	4	CAPSCREW, 3/4"NC x 2"
	70914726	4	LOCKWASHER, 3/4"
6	70035250	2	PLUG, oil filler
7	70667252	2	GASKET, oil filler plug
8	70050391	2	GASKET, oil filler elbow



MAIN FRAME

T-33386

ITEM	PART NO.	QTY.	DESCRIPTION
1	70685611	1	FRAME
	70086755	6	CAPSCREW, 1"NC x 2-3/4"
	70910916	6	LOCKWASHER, 1"
2	70643764	1	BUMPER, front
	70067559	4	CAPSCREW, 3/4"NF x 6-1/4"
	70904369	4	LOCKWASHER, 3/4"
	70911045	4	NUT, 3/4"NF
			NOTE: Items listed below are special equipment.
3	70050543	1	HOOK, front pull
	70012742	4	CAPSCREW, 3/4"NF x 2-1/4"
	70012767	4	NUT, high, 3/4"NF
4	70091811	1	GUARD ASSY., engine crankcase (Includes items 6) (Medium-duty. See page 200 for heavy-duty guards)
	70927543	8	CAPSCREW, 1/2"NF x 2-1/4" } Tractors prior to unit #25072
	70912441	8	LOCKWASHER, 1/2" } including unit #25074
	70927353	8	CAPSCREW, 1/2"NF x 1-1/4" (Tractors unit #25072 and up excluding unit #25074)
	70677006	16	WASHER, plain
5	70088593	4	BLOCK, tapped, guard attaching
	70927522	4	CAPSCREW, 1/2"NF x 1-3/4" } Tractors prior to unit #25072
	70912441	4	LOCKWASHER, 1/2" } including unit #25074
6	70091812	1	PLATE, access, engine crankcase
	70070467	4	CAPSCREW, 1/2"NF x 1"
	70904208	4	LOCKWASHER, 1/2"
	70064531	2	WASHER, plain
7	70624168	1	GUARD, rear
	70922726	6	CAPSCREW, 1/2"NF x 1-1/2" } Tractors prior to unit #25072
	70912441	6	LOCKWASHER, 1/2" } including unit #25074
	70927353	6	CAPSCREW, 1/2"NF x 1-1/4" (Tractors unit #25072 and up excluding unit #25074)
	70677008	12	WASHER, plain

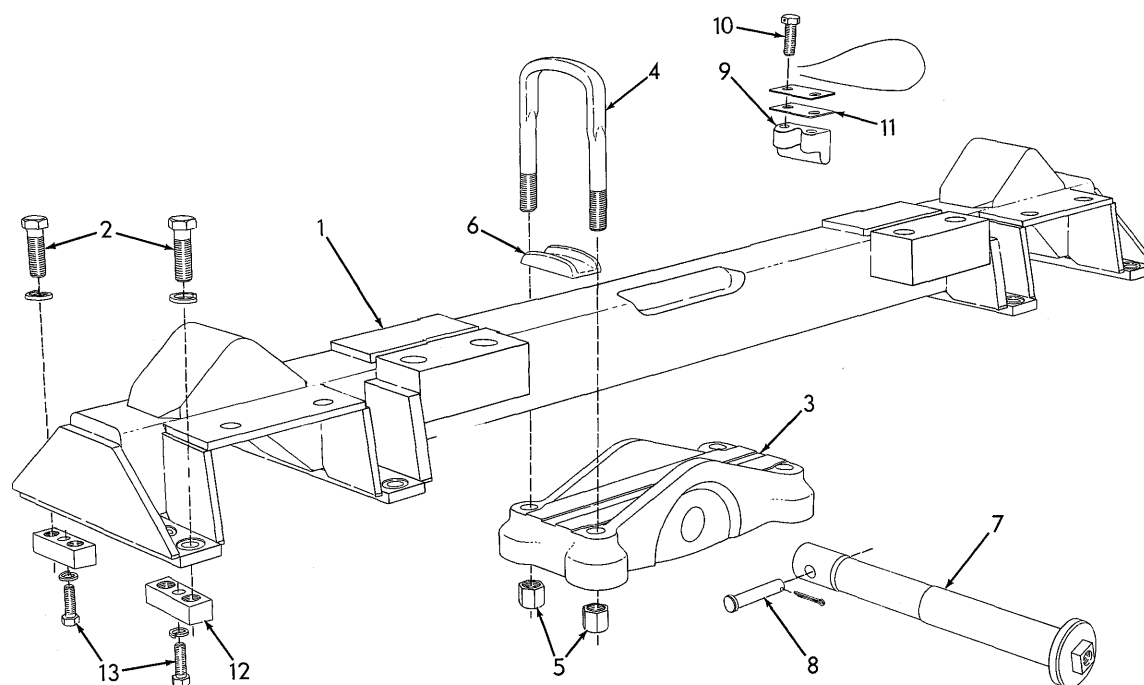


BOTTOM GUARDS

T-33387

USAGE: Special equipment. Cannot be used with track shoes over 18" wide.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70091843	1	GUARD ASSEMBLY, engine crankcase (Includes items 4 and 5)
2	70035068	8	CAPSCREW, 1/2"NF x 2-1/4"
3	70064531	8	WASHER, plain
	70904208	8	LOCKWASHER, 1/2"
4	70091841	1	PLATE, access, engine crankcase
5	70035220	6	CAPSCREW, 1/2"NC x 1-1/8"
	70904208	6	LOCKWASHER, 1/2"
6	-----	1	GUARD, bottom (Discontinued)
7	70023618	4	CAPSCREW, 5/8"NF x 2-1/2"
8	70064810	8	WASHER, plain
	70904209	4	LOCKWASHER, 5/8"
	70911044	4	NUT, 5/8"NF
9	70035067	4	CAPSCREW, 1/2"NF x 2"
10	70064531	4	WASHER, plain
	70904208	4	LOCKWASHER, 1/2"
	70911043	4	NUT, 1/2"NF
11	-----	1	CHANNEL, supporting (Discontinued)
12	70035067	4	CAPSCREW, 1/2"NF x 2"
	70904208	4	LOCKWASHER, 1/2"
13	-----	6	SHIM, channel spacing (Discontinued)
14	70088593	4	BLOCK, tapped, guard attaching
15	70035073	4	CAPSCREW, 1/2"NF x 1-3/4"
	70904208	4	LOCKWASHER, 1/2"

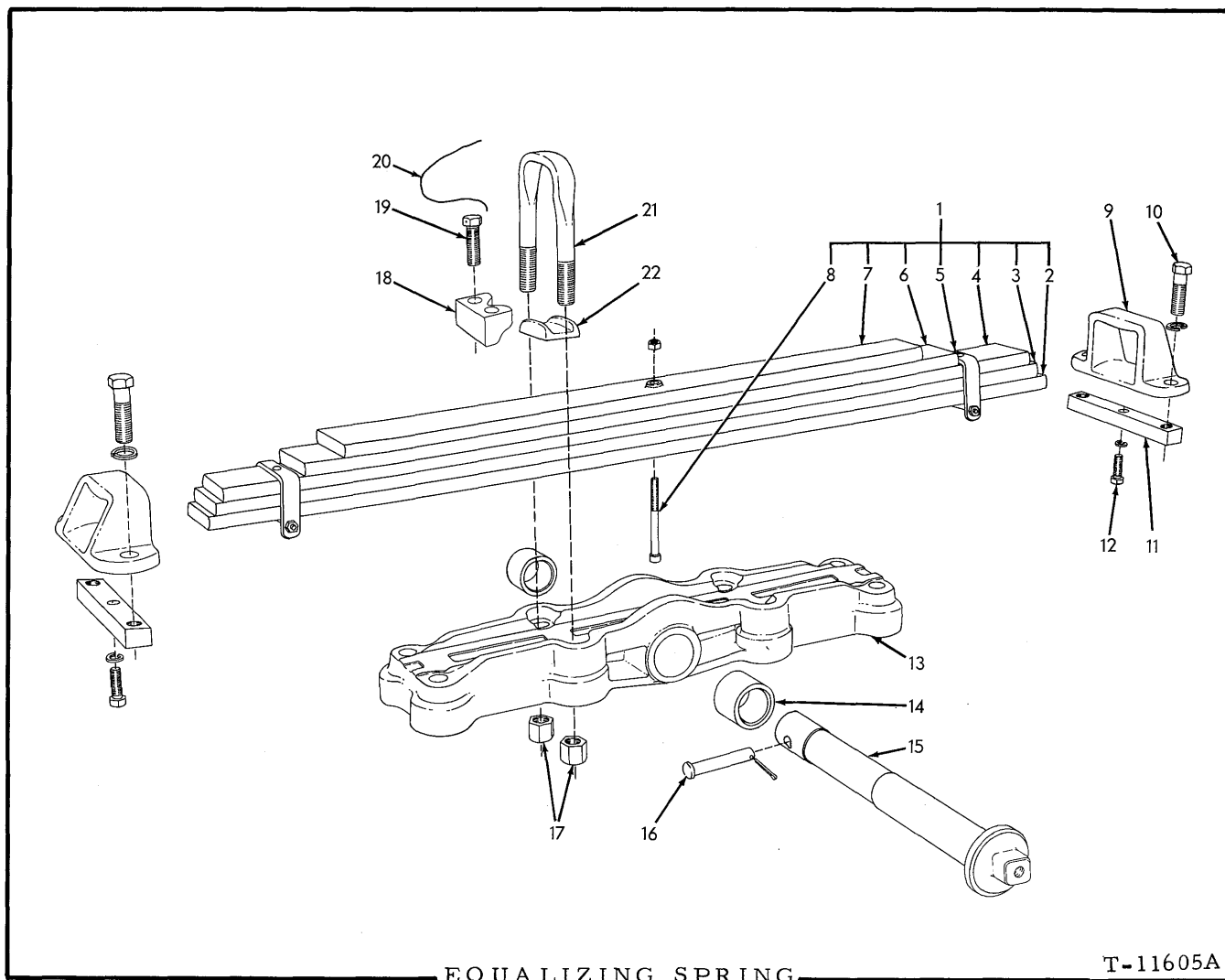


T-17486

USAGE: Special equipment on tractors prior to serial No. 16007. Binds both truck frames together rigidly, replaces standard equalizing spring.

ITEM PART NO. QTY. DESCRIPTION

1	70629419	1	BEAM, rigid
2	70012742	16	CAPSCREW, 3/4"NF x 2-1/4"
	70904369	16	LOCKWASHER, 3/4"
3	70086871	1	SADDLE, rigid beam
4	70085443	2	U-BOLT, beam saddle
5	70070400	4	NUT, saddle U-bolt (high, 7/8"NF)
6	70085444	2	SEAT, saddle U-bolt
7	70639982	1	PIN, beam saddle
8	70087061	1	PIN, saddle pin locking
	70900810	1	PIN, cotter, 3/16" x 1-1/4"
9	70620837	2	STOP, rigid beam
10	70099269	4	CAPSCREW, drilled-hd., 5/8"NC x 1-3/4"
	70023633	2	WIRE, locking, 1/16" x 12"
11	70087147	6	SHIM, beam stop (1/32" thick. Use as req'd)
	70087070	6	SHIM, beam stop (1/16" thick. Use as req'd)
12	70054968	8	BLOCK, tapped, beam attaching cap screws
13	70035018	8	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	8	LOCKWASHER, 1/2"



* Tractors prior to serial No. 16007

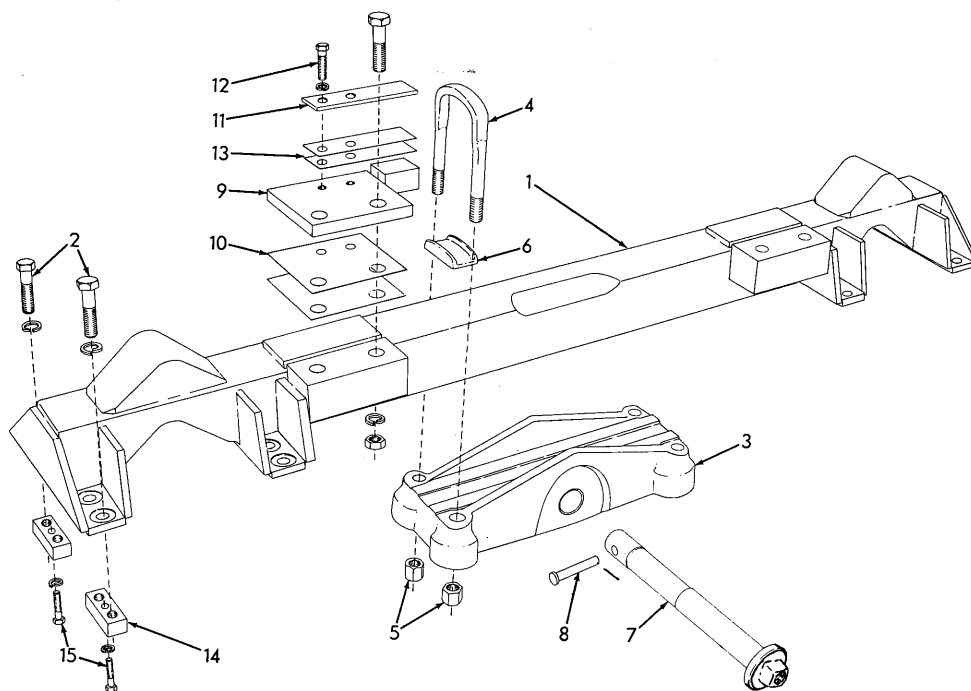
** Tractors serial No. 16007 and up

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	70095097	1	1	SPRING ASSEMBLY (Consists of items 2 thru 8)
2	70087169	1	1	LEAF, main (50-7/8" long)
3	70096215	1	1	LEAF, second (49-7/8" long)
4	70095290	1	1	LEAF ASSEMBLY, third (48-7/8" long. Includes item 5)
5	70088872	2	2	CLIP KIT, rebound (Each consists of 1 clip, 1 rivet, 1 bolt, 1 nut and 1 spacer)
6	70087173	1	1	LEAF, fourth (39-1/2" long)
7	70087175	1	1	LEAF, top (35-1/2" long)
8	70069152	1	1	BOLT, center (7/16"NF x 4-1/4". Includes NUT indented below)
	70911042	1	1	NUT, 7/16"NF

(Continued)

EQUALIZING SPRING (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
9	70095210	2	2	SEAT, equalizing spring
10	70013465	4	-	CAPSCREW, 3/4"NF x 2-1/2"
	70923137	-	4	CAPSCREW, 3/4"NF x 3"
	70914726	4	4	LOCKWASHER, 3/4"
11	70053332	2	-	BLOCK, tapped (tapered section)(Not used on units with special 39-link track)
	70054968	4	-	BLOCK, tapped (tapered section)(Used on units with special 39-link track only)
	70631831	-	2	BLOCK, tapped (straight section)(Not used on units with special 39-link track)
	70631666	-	4	BLOCK, tapped (straight section)(Used on units with special 39-link track only)
12	70035018	2	-	CAPSCREW, 1/2"NF x 1-1/2" (Additional 2 required with BLOCK 70054968)
	70921556	-	2	CAPSCREW, 1/2"NC x 2" (Additional 2 required with BLOCK 70631666)
	70912441	2	2	LOCKWASHER, 1/2" (Additional 2 required with BLOCKS 70054968 and 70631666)
13	70088599	1	-	SADDLE ASSEMBLY (Includes item 14)
	70631315	-	1	SADDLE ASSEMBLY (Includes item 14)
14	70050421	2	2	BUSHING, spring saddle
15	70639982	1	1	PIN, pivot
16	70087061	1	1	PIN, pivot pin locking
	70900810	1	1	PIN, cotter, 3/16" x 1-1/4"
17	70070400	8	8	NUT, saddle U-bolt (high, 7/8"NF)
18	70620837	2	-	STOP, spring
19	70099269	4	-	CAPSCREW, drilled-hd., 5/8"NC x 1-3/4"
20	70023633	2	-	WIRE, locking, 1/16" x 12"
21	70053406	4	4	U-BOLT, saddle
22	70053407	4	4	SEAT, saddle U-bolt

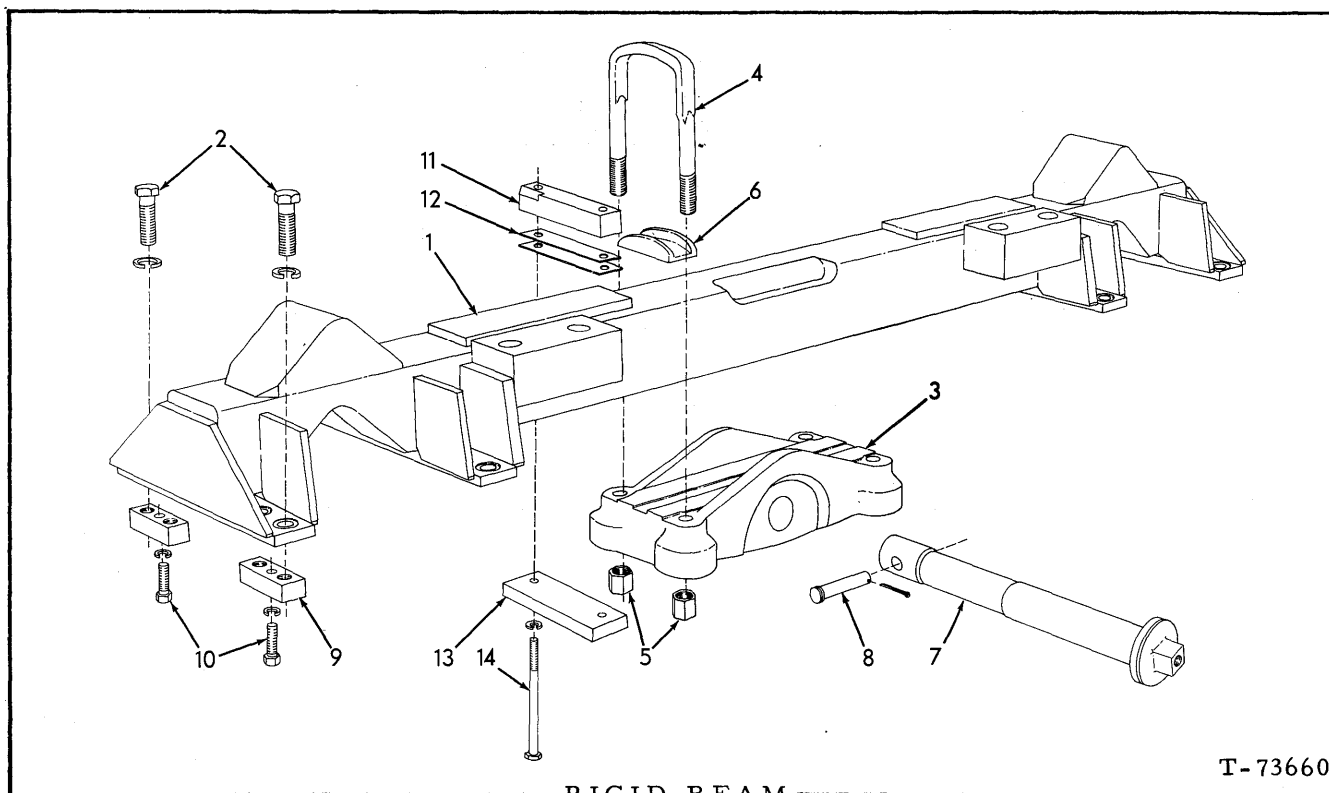


RIGID BEAM

T-38135

USAGE: Special equipment on tractors serial No. 16007 thru 20435. Binds both track frames together rigidly, replacing standard equalizing spring.

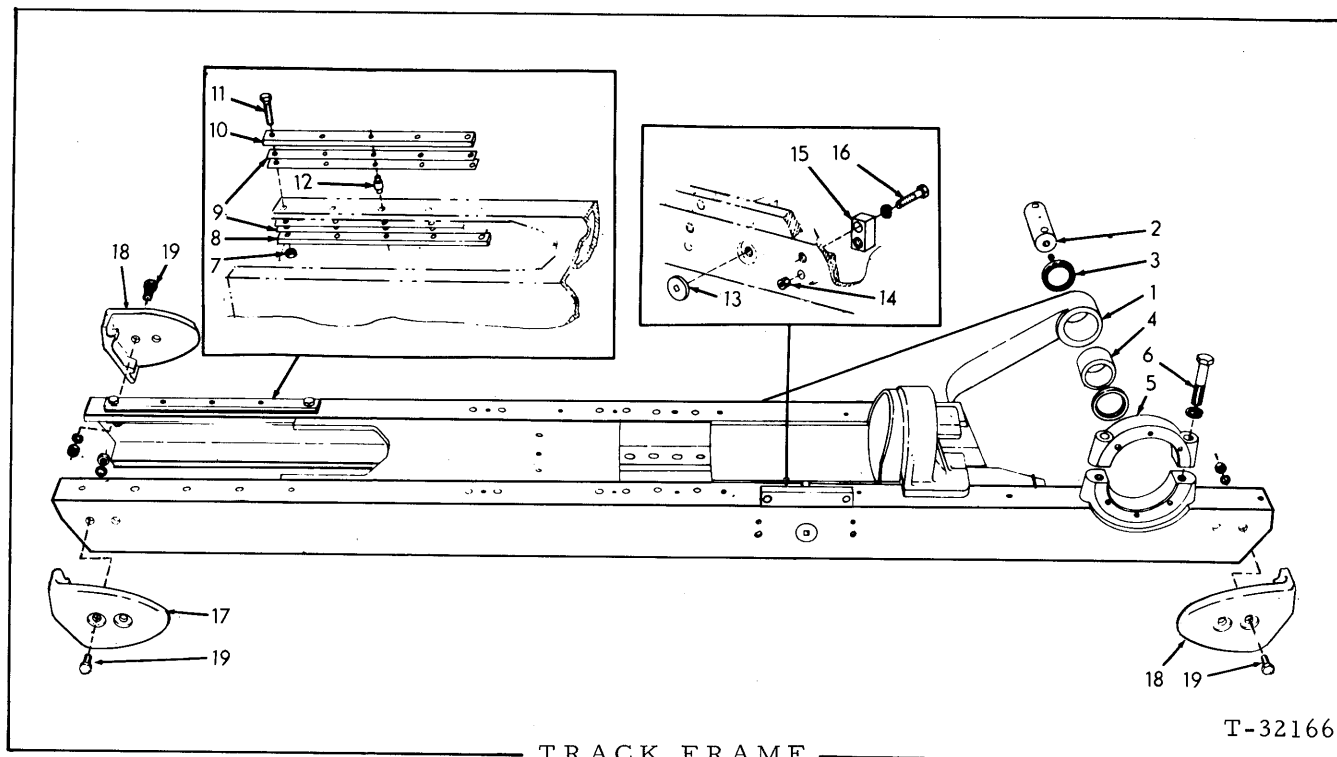
ITEM	PART NO.	QTY.	DESCRIPTION
1	70632231	1	BEAM, rigid
2	70923137	16	CAPSCREW, 3/4"NF x 3"
	70914726	16	LOCKWASHER, 3/4"
3	70086871	1	SADDLE, rigid beam
4	70085443	2	U-BOLT, beam saddle
5	70070400	4	NUT, saddle U-bolt (high, 7/8"NF)
6	70085444	4	SEAT, saddle U-bolt
7	70639982	1	PIN, beam saddle
8	70087061	1	PIN, saddle pin locking
	70900810	1	PIN, cotter, 3/16" x 1-1/4"
9 {	70633779	1	PLATE, adapting, left side
	70633780	1	PLATE, adapting, right side
	70918295	4	CAPSCREW, 1"NF x 5"
	70910916	4	LOCKWASHER, 1"
	70911047	4	NUT, 1"NF
10	70633778	4	SHIM, adapting plate
11	70633782	2	PLATE, stop
12	70070469	4	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	4	LOCKWASHER, 1/2"
13	70633781	6	SHIM, stop plate (Use as required)
14	70631666	8	BLOCK, tapped, beam attaching capscrews
15	70921556	8	CAPSCREW, 1/2"NC x 2"
	70912441	8	LOCKWASHER, 1/2"



T-73660

USAGE: Special equipment on tractors serial No. 20436 and up. Binds both track frames together rigidly, replacing standard equalizing spring.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70645888	1	BEAM, rigid
2	70923137	16	CAPSCREW, 3/4"NF x 3"
	70914726	16	LOCKWASHER, 3/4"
3	70086871	1	SADDLE, rigid beam
4	70085443	2	U-BOLT, beam saddle
5	70070400	4	NUT, saddle U-bolt, (high, 7/8"NF)
6	70085444	2	SEAT, saddle U-bolt
7	70639982	1	PIN, beam saddle
8	70087061	1	PIN, saddle pin locking
	70900810	1	PIN, cotter, 3/16" x 1-1/4"
9	70631666	8	BLOCK, tapped, beam attaching capscrows
10	70921556	8	CAPSCREW, 1/2"NC x 2"
	70912441	8	LOCKWASHER, 1/2"
11	70654731	1	BLOCK, beam stop, left side
	70654732	1	BLOCK, beam stop, right side
12	70087355	6	SHIM, stop block (1/32" thick. Use as required)
	70087356	6	SHIM, stop block (1/16" thick. Use as required)
13	70093152	2	BLOCK, clamping
14	70927380	4	CAPSCREW, 1/2"NF x 6-3/4"
	70912441	4	LOCKWASHER, 1/2"



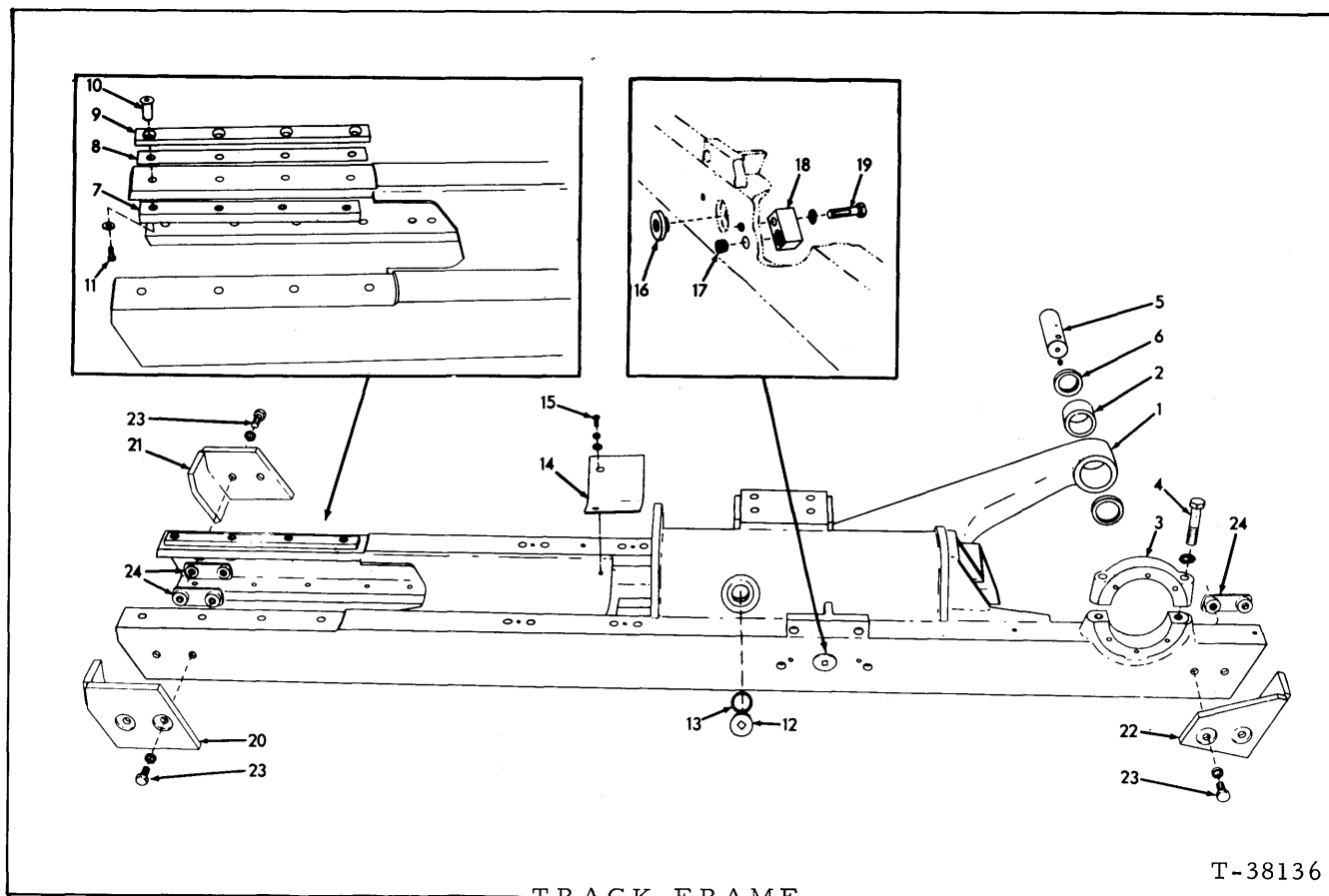
USAGE: Tractors prior to serial No. 16007

ITEM	PART NO.	QTY.	DESCRIPTION
1	70087983	1	FRAME ASSY., left (Includes items 4 thru 6)
	70087984	1	FRAME ASSY., right (Includes items 4 thru 6)
2	70049884	2	SHAFT, pivot
	70907070	2	PLUG, pipe, ctsk-hd., 1/4"NPT
3	70628274	4	SEAL, pivot shaft
4	70053315	2	BUSHING, pivot shaft
5	70086633	2	CAP, sprocket shaft bearing
6	70071943	4	CAPSCREW, 3/4"NF x 3-3/4"
	70904369	4	LOCKWASHER, 3/4"
7	70038234	8	NUT; slide bar capscREW (high, 1/2"NF)
8	70630875	4	BAR, slide, track idler, lower
9	70053322	32	SHIM, adjusting, slide bar (1/32" thick. Use as req'd)
10	70629291	4	BAR, slide, track idler, upper
11	70035892	8	CAPSCREW, slide bar (1/2"NF x 2-1/2")
12	70054824	12	PIN, dowel, track idler slide bar
13	70086859	2	PLUG, protecting (Remove when mounting dozer equipment)
14	70049667	4	PLUG, thread protecting

(Continued)

TRACK FRAME (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
15	70086458	4	BLOCK, tapped (Used for mounting dozer equipment)
16	70035067	4	CAPSCREW, 1/2"NF x 2"
	70904208	4	LOCKWASHER, 1/2"
NOTE: Items listed below are Special Equipment			
17	70083051	3	GUARD, end, left hand
18	70083052	3	GUARD, end, right hand
19	70035018	12	CAPSCREW, end guard attaching (1/2"NF x 1-1/2")
	70904208	12	LOCKWASHER, 1/2"
	70911043	12	NUT, 1/2"NF



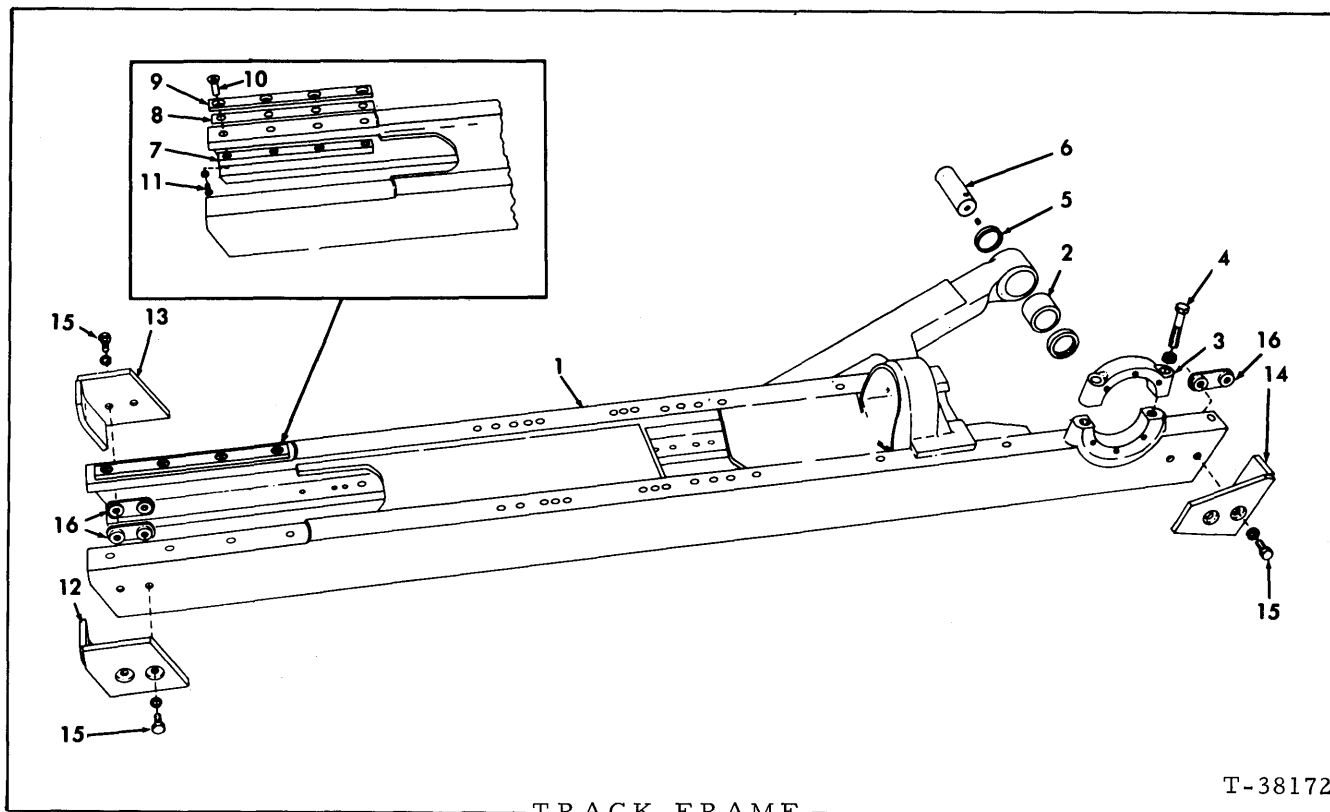
USAGE: Tractors serial No. 16007 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	70679867	1	FRAME ASSY., left (Includes items 2 thru 4)
	70679868	1	FRAME ASSY., right (Includes items 2 thru 4)
2	70053315	2	BUSHING, pivot shaft
3	70086633	2	CAP, sprocket shaft bearing
4	70923983	4	CAPSCREW, 3/4"NF x 3-3/4"
	70914726	4	LOCKWASHER, 3/4"
5	70049884	2	SHAFT, pivot
	70907070	2	PLUG, pipe, ctsk-hd., 1/4"NPT
6	70628274	4	SEAL, pivot shaft
7	70631755	4	BAR, slide, track idler, lower
8	70637640	4	SHIM, slide bar (.014" thick. Use as req'd)
	70632692	4	SHIM, slide bar (.028" thick. Use as req'd)
9	70630717	4	BAR, slide, track idler, upper
10	70631687	16	DOWEL, tapped, track idler slide bar
11	70646045	16	CAPSCREW, Nylok, 3/8"NF x 1"
	70647080	16	WASHER, plain

(Continued)

TRACK FRAME (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
12	70035250	2	PLUG, oil filler, release spring compartment
13	70667252	2	GASKET, oil filler plug
14	70631727	2	PLATE, dirt closure
15	70927354	4	CAPSCREW, 3/8"NF x 7/8"
	70910287	4	LOCKWASHER, 3/8"
	70044973	4	WASHER, plain
16	70086859	2	PLUG, protecting (Remove when mounting dozer equipment)
17	70666335	4	CORK, thread protecting
18	70086458	4	BLOCK, tapped (Used for mounting dozer equipment)
19	70921556	4	CAPSCREW, 1/2"NC x 2"
	70912441	4	LOCKWASHER, 1/2"
NOTE: Items listed below are Special Equipment			
20	70656591	2	GUARD, front end, left side
21	70656592	2	GUARD, front end, right side
22	70656621	1	GUARD, rear end, left side (shown)
	70656622	1	GUARD, rear end, right side (opposite)
23	70070467	12	CAPSCREW, end guard attaching (1/2"NF x 1")
	70904208	12	LOCKWASHER, 1/2"
24	70631734	6	PLATE, nut, end guard capscrews



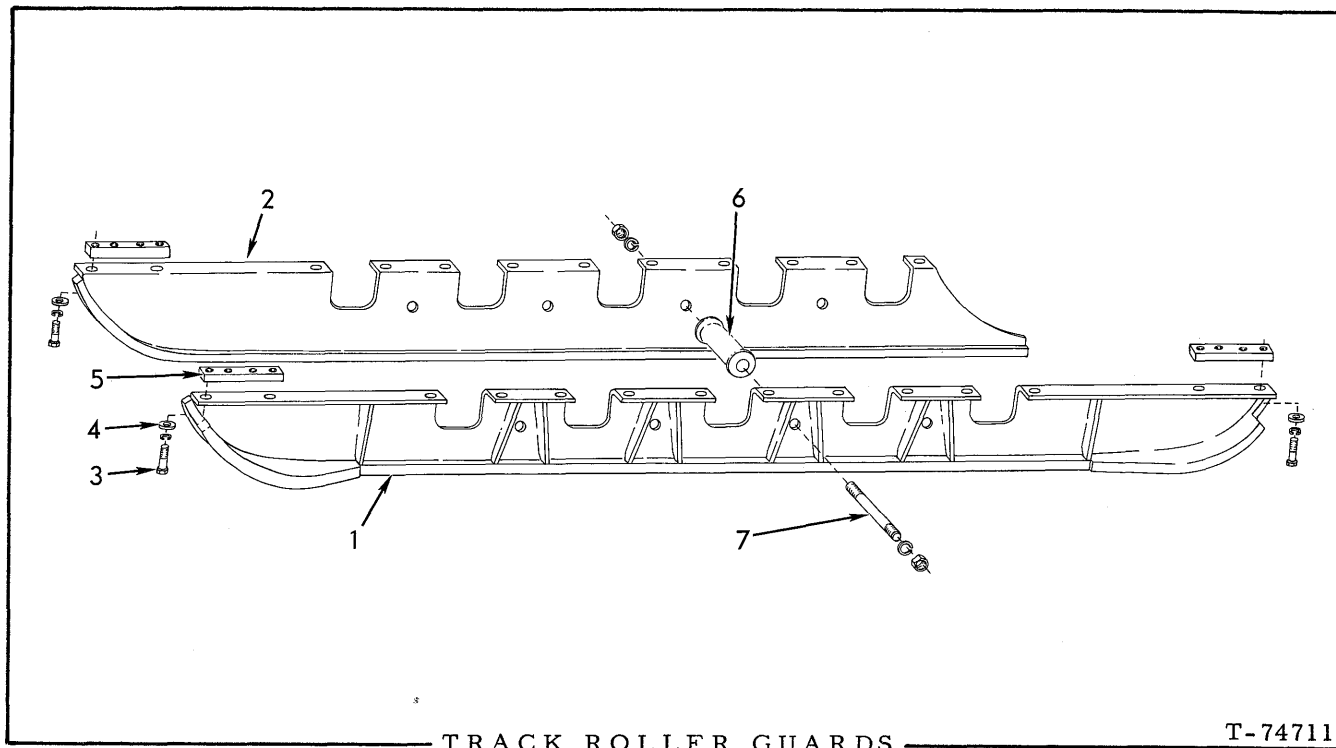
USAGE: Tractors serial No. 16007 and up when equipped with special 39-link track

ITEM	PART NO.	QTY.	DESCRIPTION
1	70634177	1	FRAME ASSY., left side
	70634178	1	FRAME ASSY., right side
Each includes items 2 thru 4			
2	70053315	2	BUSHING, pivot shaft
3	70086633	2	CAP, sprocket shaft bearing
4	70071943	4	CAPSCREW, 3/4"NF x 3-3/4"
	70904369	4	LOCKWASHER, 3/4"
5	70628274	4	SEAL, pivot shaft
6	70049884	2	SHAFT, pivot
	70907070	2	PLUG, pipe, ctsk-hd., 1/4"NPT
7	70631755	4	BAR, slide, track idler, lower
8	70637640	4	SHIM, adjusting, slide bar (.014" thick. Use as req'd)
	70632692	4	SHIM, adjusting, slide bar (.028" thick. Use as req'd)
9	70630717	4	BAR, slide, track idler, upper
10	70631687	16	DOWEL, tapped, slide bar retaining
11	70646045	16	CAPSCREW, Nylok, 3/8"NF x 1"
	70647080	16	WASHER, plain (hardened)

(Continued)

TRACK FRAME (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
12	70656591	2	GUARD, front end, left side
13	70656592	2	GUARD, front end, right side
14	70656621	1	GUARD, rear end, left side (shown)
	70656622	1	GUARD, rear end, right side (opposite)
15	70070467	12	CAPSCREW, end guard attaching (1/2"NF x 1")
	70904208	12	LOCKWASHER, 1/2"
16	70631734	6	PLATE, nut, end guard capscrews



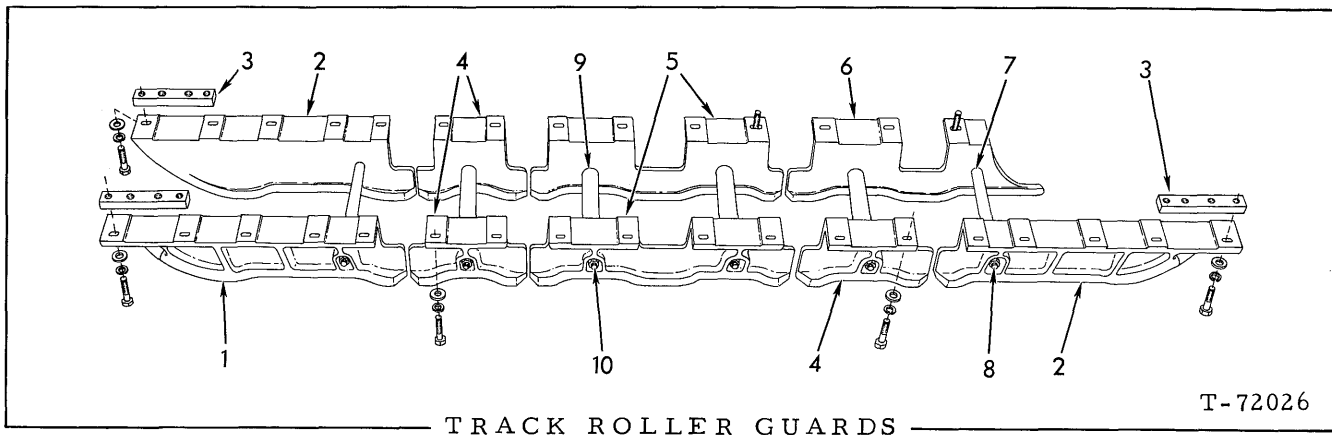
TRACK ROLLER GUARDS

T-74711

USAGE: Special equipment on tractors prior to serial No. 16007

ITEM	PART NO.	QTY.	DESCRIPTION	
1	70099793	2	GUARD, outer	
2	70099791	1	GUARD, inner, left side	
	70099792	1	GUARD, inner, right side	
3	70035068	52	CAPSCREW, guard attaching (1/2"NF x 2-1/4")	
	70904208	52	LOCKWASHER, 1/2"	
4	70064531	52	WASHER, plain	
5	70053305	6	BLOCK, tapped	
6	70083043	8	SPACER, guard bracing	
7	-----	8	CAPSCREW, guard bracing (Discontinued)	Original equipment
	70905347	8	LOCKWASHER, 7/8"	
	70070400	8	NUT, high, 7/8"NF	
	70650461	8	ROD, guard bracing	Service replacement
	70905347	16	LOCKWASHER, 7/8"	
	70911046	16	NUT, 7/8"NF	

MEMO



USAGE: Special equipment. Tractors serial No. 16007 and up when equipped with 37-link track.

*Tractors prior to serial No. 88Y24010

**Tractors serial No. 88Y24010 and up.

ITEM	PART NO.	QTY. * **	DESCRIPTION
1	70655007	3 -	GUARD, end section, left hand
	70035228	15 -	CAPSCREW, 1/2"NF x 2-3/4"
	70904208	15 -	LOCKWASHER, 1/2"
	70064531	15 -	WASHER, plain
	70680075	- 3	GUARD, end section left hand
	70921178	- 15	CAPSCREW, 5/8"NF x 2-3/4"
	70912942	- 15	LOCKWASHER, 5/8"
	70670670	- 15	WASHER, plain
	70655008	3 -	GUARD, end section, right hand
	70035278	15 -	CAPSCREW, 1/2"NF x 2-3/4"
2	70904208	15 -	LOCKWASHER, 1/2"
	70064531	15 -	WASHER, plain
	70680076	- 3	GUARD, end section, right hand
	70921178	- 15	CAPSCREW, 5/8"NF x 2-3/4"
	70912942	- 15	LOCKWASHER, 5/8"
	70670670	- 15	WASHER, plain
	70631691	12 -	BLOCK, tapped
	70670669	- 12	BLOCK, tapped
	70650462	6 -	GUARD, intermediate section, short
	70035278	12 -	CAPSCREW, 1/2"NF x 2-3/4"
3	70904208	12 -	LOCKWASHER, 1/2"
	70064351	12 -	WASHER, plain
	70680156	- 6	GUARD, intermediate section, short
	70921178	- 12	CAPSCREW, 5/8"NF x 2-3/4"
	70912942	- 12	LOCKWASHER, 1/2"
	70670670	- 12	WASHER, plain
	70631691	12 -	BLOCK, tapped
	70670669	- 12	BLOCK, tapped
	70650462	6 -	GUARD, intermediate section, short
	70035278	12 -	CAPSCREW, 1/2"NF x 2-3/4"
4	70904208	12 -	LOCKWASHER, 1/2"
	70064351	12 -	WASHER, plain
	70680156	- 6	GUARD, intermediate section, short
	70921178	- 12	CAPSCREW, 5/8"NF x 2-3/4"
	70912942	- 12	LOCKWASHER, 1/2"
	70670670	- 12	WASHER, plain
	70631691	12 -	BLOCK, tapped
	70670669	- 12	BLOCK, tapped
	70650462	6 -	GUARD, intermediate section, short
	70035278	12 -	CAPSCREW, 1/2"NF x 2-3/4"

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TRACK ROLLER GUARDS (Continued)

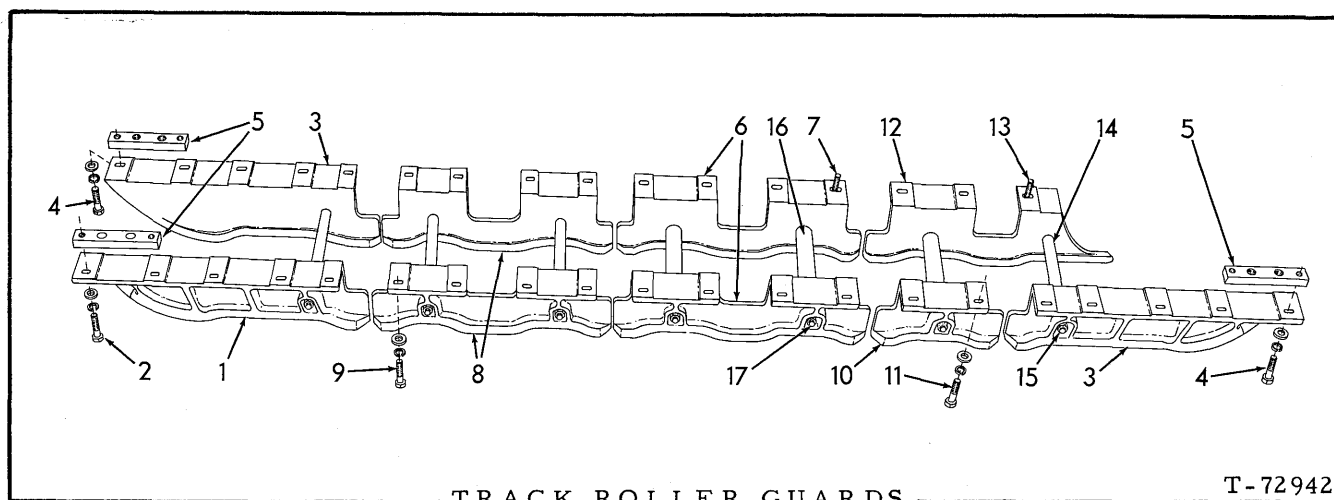
IETM	PART NO.	QTY.	DESCRIPTION
		* **	
5	70654854	4 -	GUARD, intermediate section, long
	70035278	16 -	CAPSCREW, 1/2"NF x 2-3/4"
	70904208	16 -	LOCKWASHER, 1/2"
	70064531	16 -	WASHER, plain
	70680199	- 4	GUARD, intermediate, long
	70921178	- 16	CAPSCREW, 5/8"NF x 2-3/4"
	70912942	- 16	LOCKWASHER, 5/8"
	70670670	- 16	WASHER, plain
	70654931	1 -	GUARD, rear inner section, left side
	70654932	1 -	GUARD, rear inner section, right side
6	70035278	6 -	CAPSCREW, 1/2"NF x 2-3/4"
	70904208	6 -	LOCKWASHER, 1/2"
	70064531	6 -	WASHER, plain
	70680157	- 1	GUARD, rear intermediate, left side
	70680158	- 1	GUARD, rear intermediate, right side
	70921178	- 6	CAPSCREW, 5/8"NF x 2-3/4"
	70921942	- 6	LOCKWASHER, 5/8"
	70670670	- 6	WASHER, plain
	70632659	4 4	SPACER, guard bracing (small)
	-----	4 -	CAPSCREW, guard bracing (Discontinued)
8	70904208	4 -	LOCKWASHER, 1/2"
	70038234	4 -	NUT, high, 1/2"NF
	70650845	4 4	ROD, guard bracing
	70910244	8 8	WASHER, shimmming Use as req'd)
	70064531	8 8	WASHER, plain (heavy)
	70912441	8 8	LOCKWASHER, 1/2"
	70911043	8 8	NUT, 1/2"NF
	70632657	8 8	SPACER, guard bracing (large)
	-----	8 -	CAPSCREW, guard bracing (Discontinued)
	70905347	8 -	LOCKWASHER, 7/8"
10	70070400	8 -	NUT, high, 7/8"NT
	70650461	8 8	ROD, guard bracing
	70651745	16 16	WASHER, shimmming (Use as requ'd)
	70638341	16 16	WASHER, plain (heavy)
	70914727	16 16	LOCKWASHER, 7/8"
	70911046	16 16	NUT, 7/8"NF

Used prior to July 1967

Effective July 1967

Used prior to July 1967

Effective July 1967



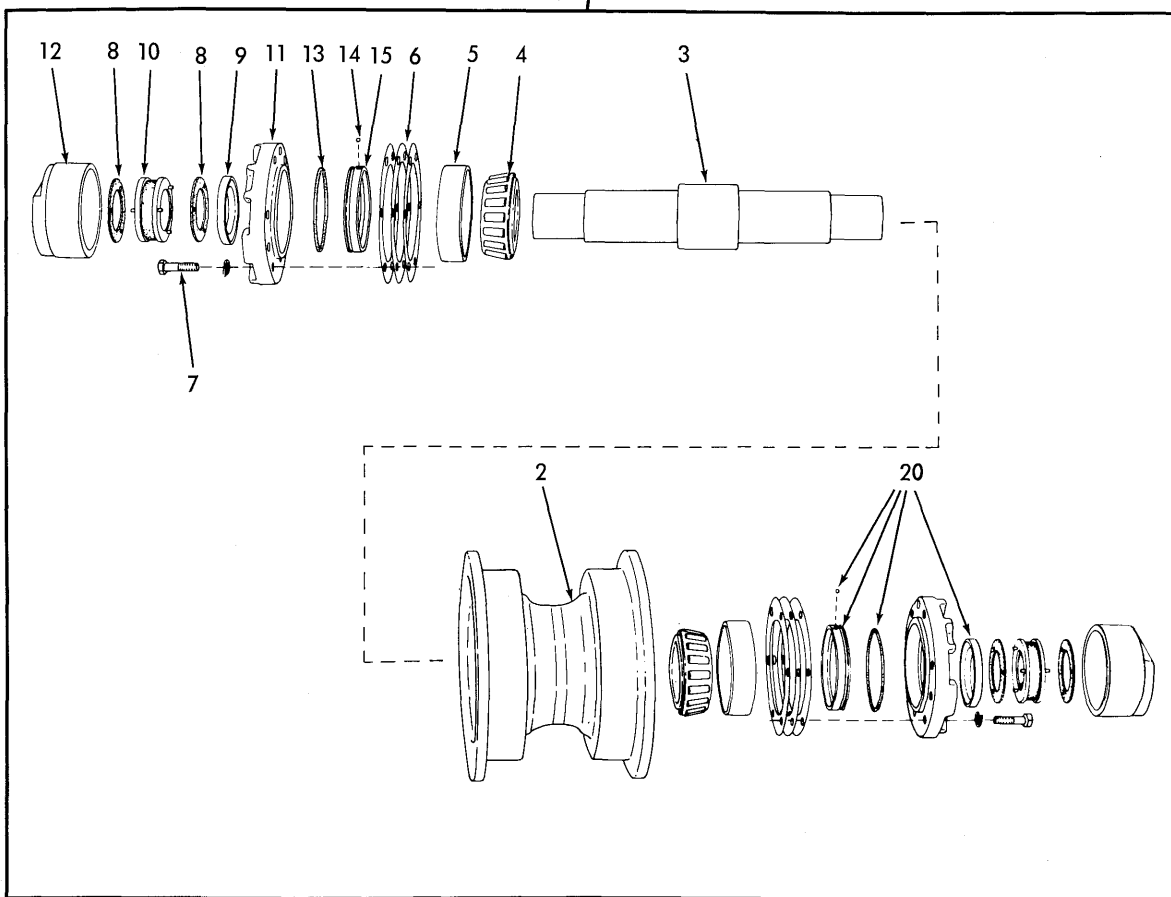
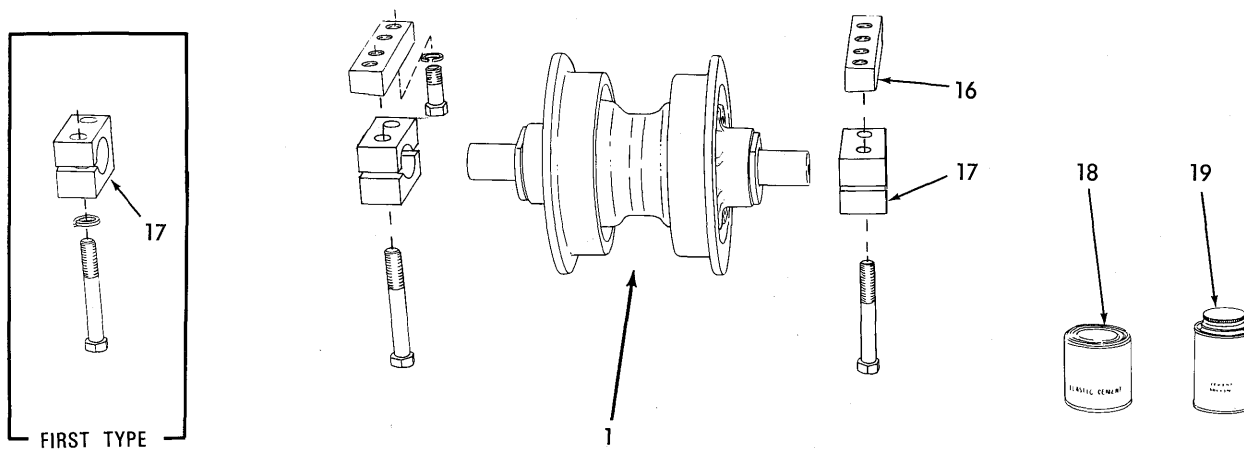
USAGE: Special equipment. Tractors serial No. 16007 and up when equipped with 39-link track.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70655007	3	GUARD, end section, left hand
2	70035278	15	CAPSCREW, 1/2"NF x 2-3/4"
	70904208	15	LOCKWASHER, 1/2"
	70064531	15	WASHER, plain
3	70655008	3	GUARD, end section, right hand
4	70035278	15	CAPSCREW, 1/2"NF x 2-3/4"
	70904208	15	LOCKWASHER, 1/2"
	70064531	15	WASHER, plain
5	70631691	12	BLOCK, tapped
6	70654868	4	GUARD, intermediate section
7	70035278	16	CAPSCREW, 1/2"NF x 2-3/4"
	70904208	16	LOCKWASHER, 1/2"
	70064531	16	WASHER, plain
8	70654862	4	GUARD, intermediate section, front
9	70035278	16	CAPSCREW, 1/2"NF x 2-3/4"
	70904208	16	LOCKWASHER, 1/2"
	70064531	16	WASHER, plain
10	70650462	2	GUARD, intermediate rear section, outer
11	70035278	4	CAPSCREW, 1/2"NF x 2-3/4"
	70904208	4	LOCKWASHER, 1/2"
	70064531	4	WASHER, plain
12	70654931	1	GUARD, rear inner section, left side
	70654932	1	GUARD, rear inner section, right side
13	70035278	6	CAPSCREW, 1/2"NF x 2-3/4"
	70904208	6	LOCKWASHER, 1/2"
	70064531	6	WASHER, plain
14	70632659	8	SPACER, guard bracing (small)

(Continued)

TRACK ROLLER GUARDS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION	
15	-----	8	CAPSCREW, guard bracing (Discontinued)	Used prior to July 1967
	70904208	8	LOCKWASHER, 1/2"	
	70038234	8	NUT, high, 1/2"NF	
	70650845	8	ROD, guard bracing	Effective July 1967
	70910244	16	WASHER, shimming (Use as req'd)	
	70064531	16	WASHER, plain (heavy)	
	70904208	16	LOCKWASHER, 1/2"	
	70911043	16	NUT, 1/2"NF	
	70632657	6	SPACER, guard bracing (large)	
	-----	6	CAPSCREW, guard bracing (Discontinued)	Used prior to July 1967
17	70905347	6	LOCKWASHER, 7/8"	
	70070400	6	NUT, high, 7/8"NF	
	70650461	6	ROD, guard bracing	Effective July 1967
	70651745	12	WASHER, shimming (Use as req'd)	
	70638341	12	WASHER, plain (heavy)	
	70905347	12	LOCKWASHER, 7/8"	
	70911046	12	NUT, 7/8"NF	



TRACK ROLLER

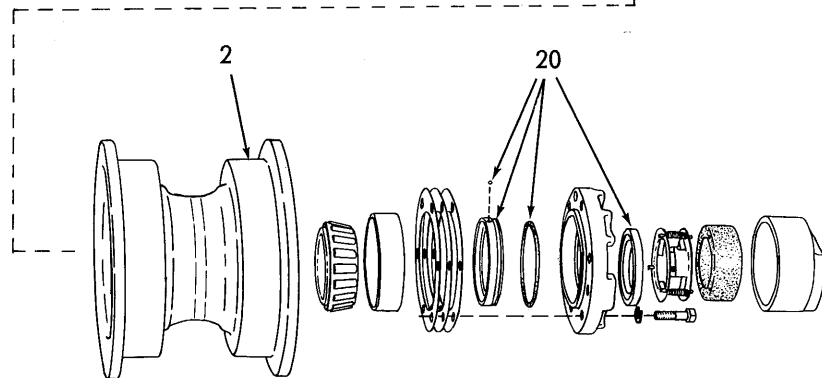
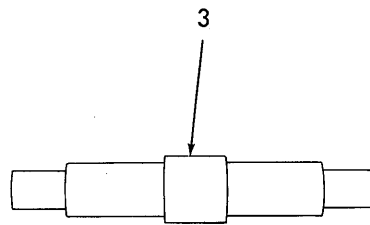
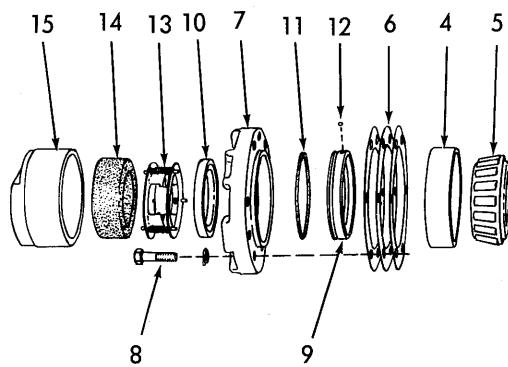
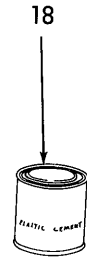
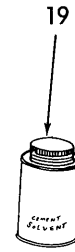
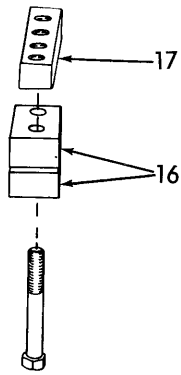
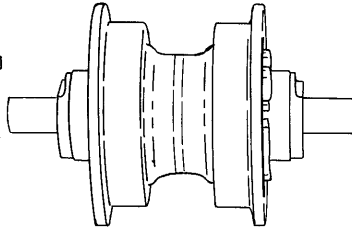
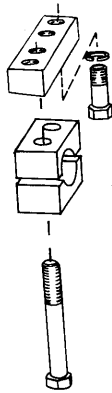
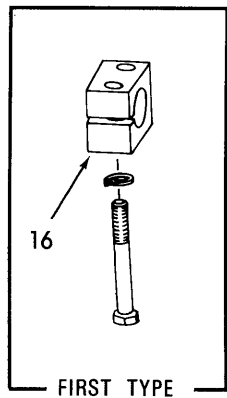
USAGE: Standard equipment. See page 221 for severe-service type.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70623115	1	ROLLER ASSY. (Consists of items 2 thru 15)
2	70051427	1	ROLLER only
3	70623116	1	SHAFT
4	70042888	2	CONE ASSY., bearing
5	70042887	2	CUP, bearing
6	70655372	4	SHIM, bearing adjustment (.003" thick)
	70051432	4	SHIM, bearing adjustment (.007" thick)
	70051433	4	SHIM, bearing adjustment (.010" thick)
	70051431	3	SHIM, bearing adjustment (.032" thick)
} Use as required			
7	70012992	12	CAPSCREW, bearing retainer (3/8"NF x 1-1/4")
	70904206	12	LOCKWASHER, 3/8"
8	70047605	4	□GASKET, seal ring
9	70047151	2	□RING, seal
10	70047581	2	SPRING ASSY., seal (Serviced only as a unit)
11	70663047	2	RETAINER, bearing
12	70623112	2	RETAINER, seal
13	70923815	2	□O-RING, inner seal ring
14	70905357	2	□BALL, steel, 3/16" diam.
15	70623114	2	□RING, seal, inner
16	70053305	2	BLOCK, tapped, attaching capscrews (tapered section)(Used prior to tractor #16007)
	70631691	2	BLOCK, tapped, attaching capscrews (straight section)(Tractor #16007 thru unit #24009)
	70670669	2	BLOCK, tapped, attaching capscrews (straight section)(Tractors unit #24010 and up)
	70911849	4	CAPSCREW, 1/2"NF x 2" } Tractors prior to unit #24010
	70904208	4	LOCKWASHER, 1/2" } Tractors unit #24010 and up
	70921168	4	CAPSCREW, 5/8"NF x 2" } Tractors unit #24010 and up
	70912942	4	LOCKWASHER, 5/8"NF } Tractors unit #24010 and up
17	70093804	2	BRACKET, attaching
	70926602	4	CAPSCREW, 5/8"NF x 4-1/4" } Tractors prior to unit #24061
	70904209	4	LOCKWASHER, 5/8" } Tractors prior to unit #24061
	70681563	4	BRACKET, attaching (half only) } Tractor unit #24061 and up
	70681940	4	CAPSCREW, 5/8"NF x 4-3/8" } Tractor unit #24061 and up
18	70033288	-	CEMENT, neoprene, 1/2" pint can
19	70054890	-	SOLVENT, neoprene cement, 1/2 pt. can
20	70623124	-	SEAL KIT (Includes parts for one (1) roller only; items 8, 9, 13, 14 and 15)

□ Indicates components of item 21

NOTE: All quantities indicated above are for one (1) roller. The number of rollers used varies as follows:

with standard 37-link track-----10
with special 39-link track-----12



TRACK ROLLER

T-4017

TRACK ROLLER

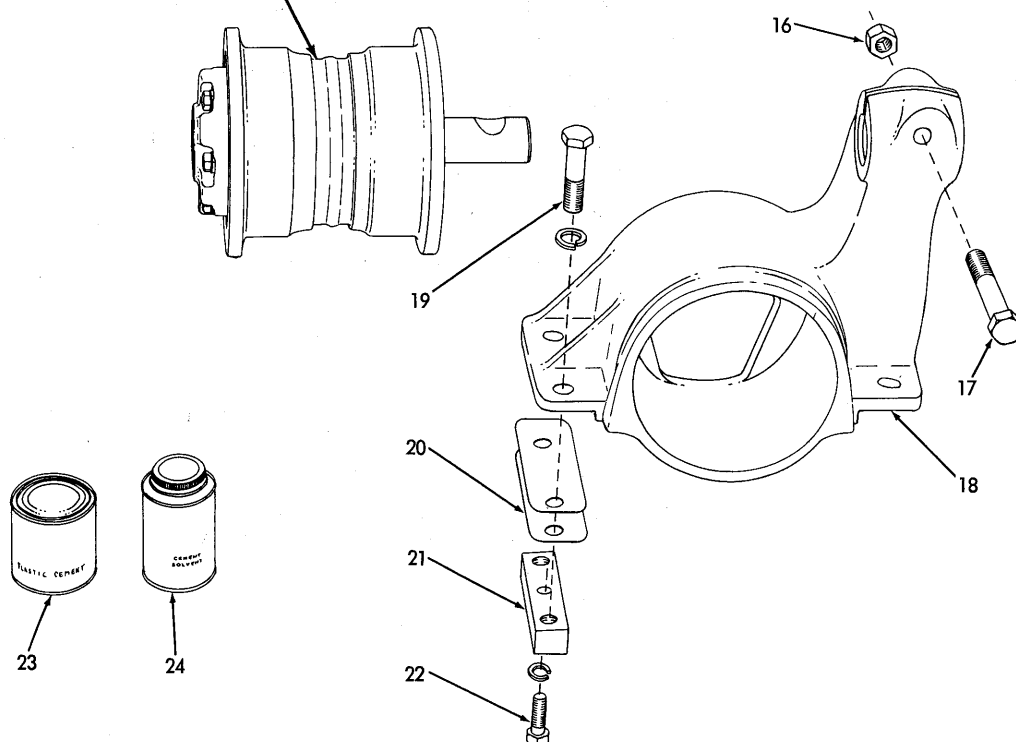
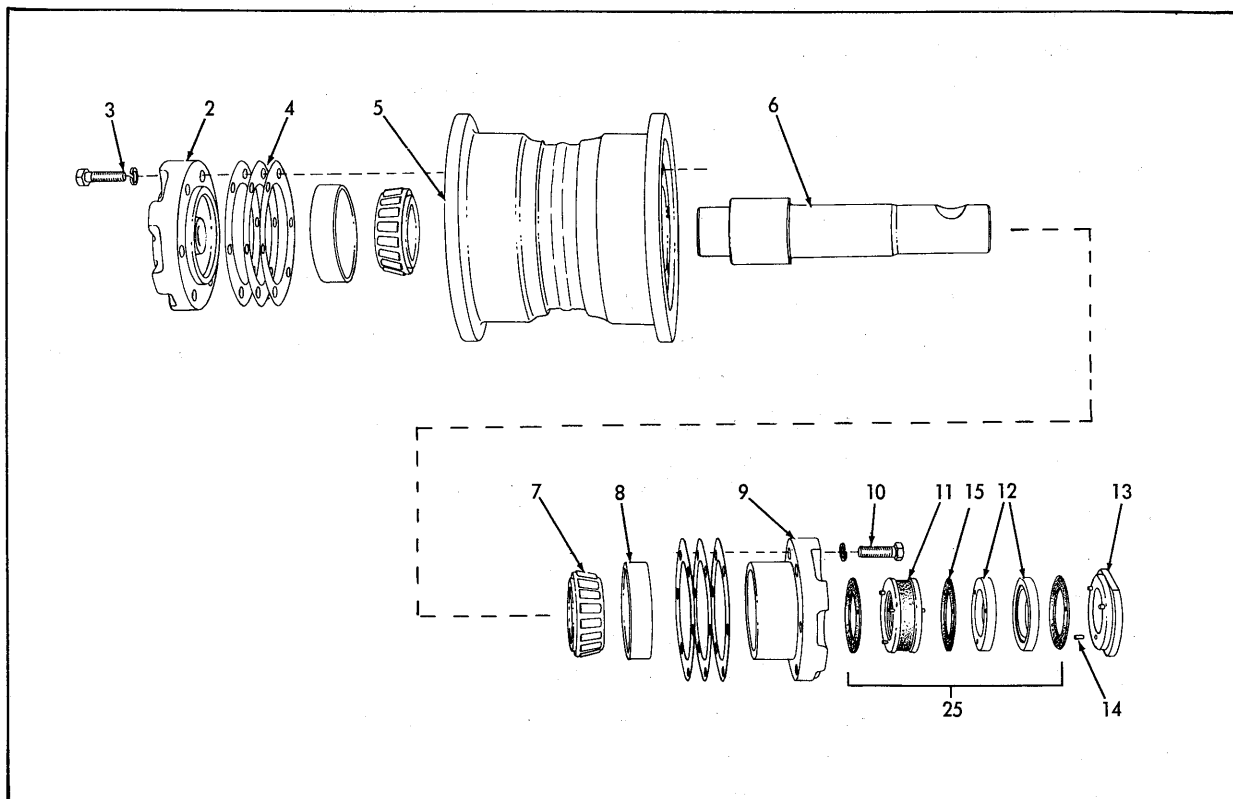
USAGE: Optional equipment for severe-service. See page 219 for standard type.

ITEM	PART NO.	QTY.	DESCRIPTION	
1	70622392	1	ROLLER ASSY. (Consists of items 2 thru 15)	
2	70073635	1	ROLLER only	
3	70622391	1	SHAFT	
4	70659149	2	CUP, bearing	
5	70043491	2	CONE ASSY., bearing	
6	70655458	4	SHIM, bearing adjustment (.003" thick)	} Use as required
	70073024	4	SHIM, bearing adjustment (.007" thick)	
	70073025	4	SHIM, bearing adjustment (.010" thick)	
	70073026	2	SHIM, bearing adjustment (.023" thick)	
7	70073023	2	RETAINER, bearing	
8	70012992	12	CAPSCREW, 3/8"NF x 1-1/4"	
	70904206	12	LOCKWASHER, 3/8"	
9	70073027	2	□RING, seal, inner	
10	70621283	2	□RING, seal, outer	
11	70073029	2	□RING, seal packing	
12	70905357	2	□BALL, steel, 3/16" diam.	
13	70048666	2	SPRING ASSY., seal (Serviced only as a unit)	
14	70048665	2	BOOT, seal spring	
15	70073634	2	RETAINER, seal	
16	70093804	2	BRACKET, attaching	} Tractors prior to unit #24061
	70926602	4	CAPSCREW, 5/8"NF x 4-1/4"	
	70904209	4	LOCKWASHER, 5/8"	} Tractor unit #24061 and up
	70681563	4	BRACKET attaching (Half only)	
	70681940	4	CAPSCREW, 5/8"NF x 4-3/8"	
17	70053305	2	BLOCK, tapped, attaching capscrews (tapered section)(Use prior to tractor #16007)	
	70631691	2	BLOCK, tapped, attaching capscrews (straight section) (Tractors #16007 thru unit #24009)	
	70670669	2	BLOCK, tapped, attaching capscrews (straight section) (Tractors unit #24010 and up)	
	70911849	4	CAPSCREW, 1/2"NF x 2"	} Tractors prior to unit #24010
	70904208	4	LOCKWASHER, 1/2"	
	70921168	4	CAPSCREW, 5/8"NF x 2"	} Tractor unit #24010 and up
	70912942	4	LOCKWASHER, 5/8"	
18	70033288	-	CEMENT, neoprene, 1/2 pt. can	} For cementing seal boots
19	70054890	-	SOLVENT, neoprene, 1/2 pt. can	
20	70078941	-	SEAL KIT (Includes parts for one (1) roller only; items 9 thru 12)	

□ Indicates components of item 21

NOTE: All quantities indicated above are for one (1) roller. The number of rollers used varies as follows:

with standard 37-link track-----10
with special 39-link track-- -----12



TRACK CARRIER ROLLER (First type)

T-11610

TRACK CARRIER ROLLER

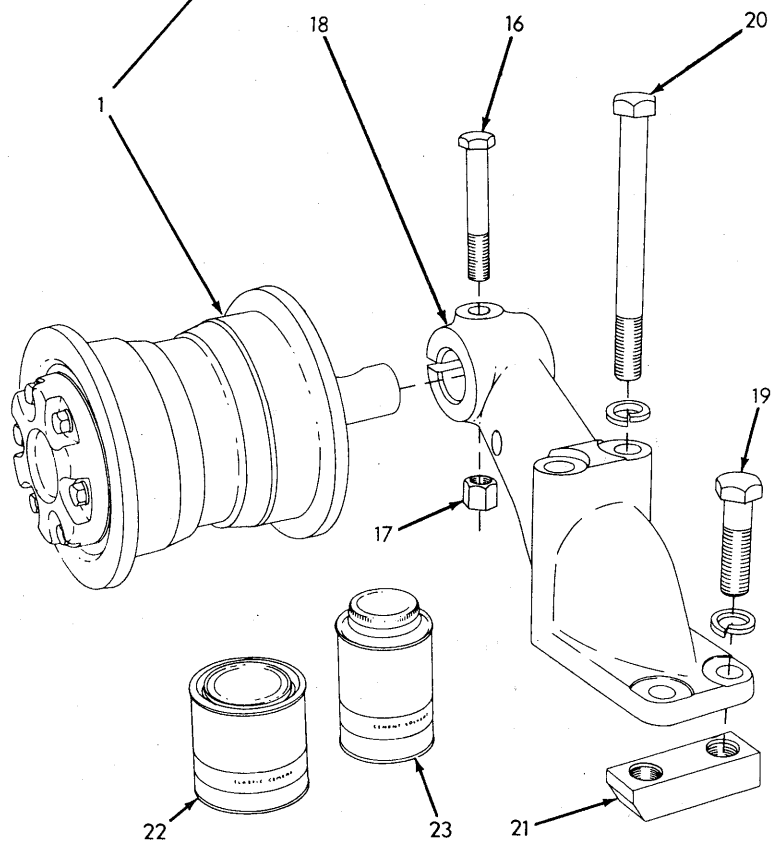
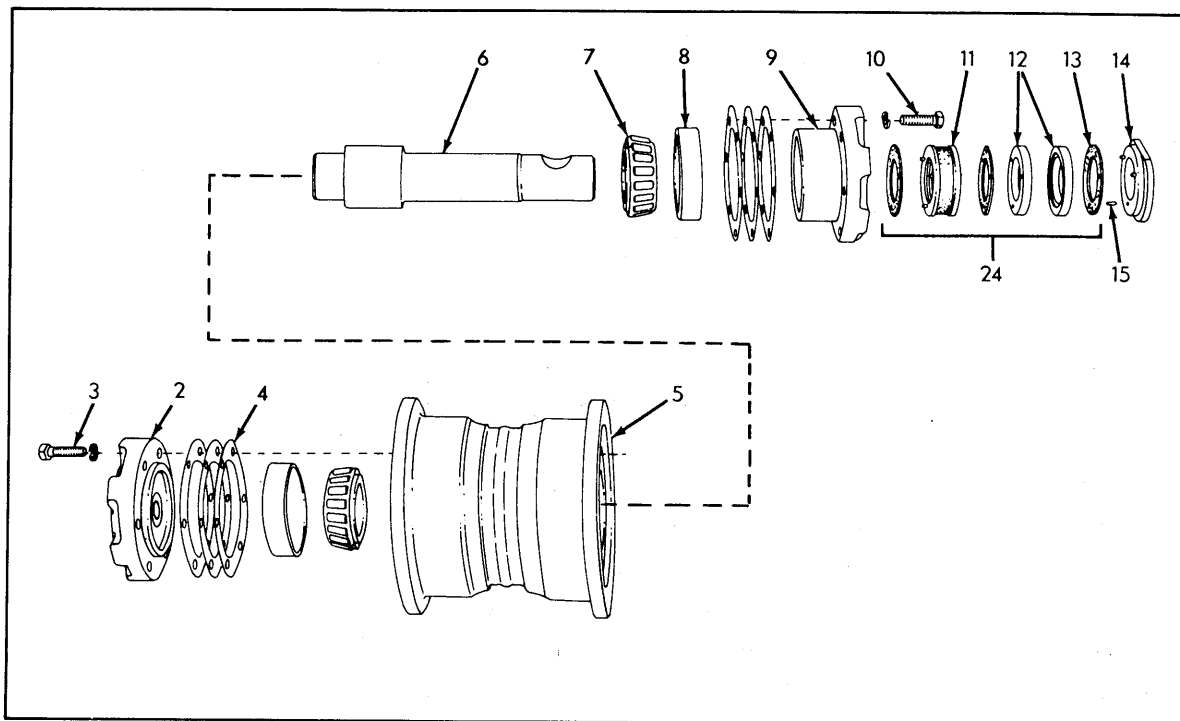
USAGE: Tractors prior to serial No. 16007; also later units when equipped with special 39-link track.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70622613	2	ROLLER ASSEMBLY (Consists of items 2 thru 15)
2	70622612	2	RETAINER, outer bearing
3	70683586	12	CAPSCREW, 3/8"NF x 1-1/4"
4	70655474	8	SHIM, bearing adjustment (.003" thick)
	70051484	4	SHIM, bearing adjustment (.007" thick)
	70051483	6	SHIM, bearing adjustment (.010" thick)
	70051482	6	SHIM, bearing adjustment (.032" thick)
5	70051481	2	ROLLER only
6	70078749	2	SHAFT
7	70042888	4	CONE ASSEMBLY, bearing
8	70042887	4	CUP, bearing
9	70051478	2	RETAINER, inner bearing
10	70012992	12	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	12	LOCKWASHER, 3/8"
11	70047581	2	□SPRING ASSEMBLY, seal (Serviced only as a unit)
12	70047151	4	□RING, seal
13	70051429	2	GUARD ASSEMBLY, seal (Includes items 14)
14	70049877	6	PIN, seal guard
15	70047605	6	□GASKET, seal ring
16	70072366	2	NUT, roller retaining capscREW (high, 5/8"NF)
17	70035541	2	CAPSCREW, roller retaining (5/8"NF x 3-3/4")
18	70078759	1	BRACKET, left side
	70078760	1	BRACKET, right side
19	70023618	8	CAPSCREW, 5/8"NF x 2-1/2"(Used prior to tractor #16007)
	70013467	8	CAPSCREW, 5/8"NF x 3"(Effective with tractor #16007)
	70904209	8	LOCKWASHER, 5/8"
20	70078766	12	SHIM, bracket alignment (1/32" thick. Use as required)
21	70053304	4	BLOCK, tapped, attaching capscREWS (tapered section)(Used prior to tractor #16007)
	70632572	4	BLOCK, tapped, attaching capscREWS (straight section)(Effective with tractor #16007)
22	70035018	4	CAPSCREW, 1/2"NF x 1-1/2"(Used prior to tractor #16007)
	70035067	4	CAPSCREW, 1/2"NF x 2"(Effective with tractor #16007)
	70904208	4	LOCKWASHER, 1/2"
23	70033288	-	CEMENT, neoprene, 1/2" pint can
24	70054890	-	SOLVENT, neoprene cement, 1/2 pint can
25	70083536	1	SEAL KIT (Full set of items 11, 12 and 15 for both rollers)

Use as required

For cementing gaskets

□ Indicates components of item 25



TRACK CARRIER ROLLER (Second type)

T-38138

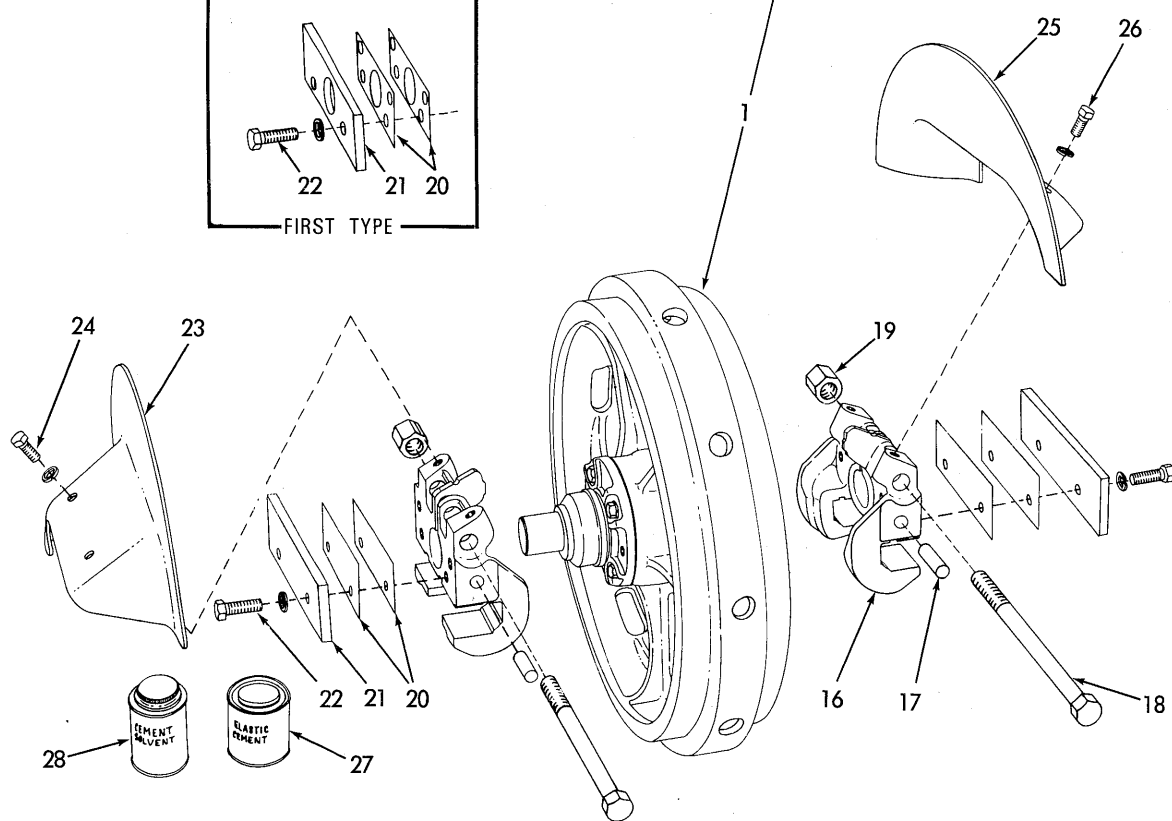
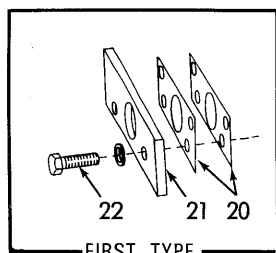
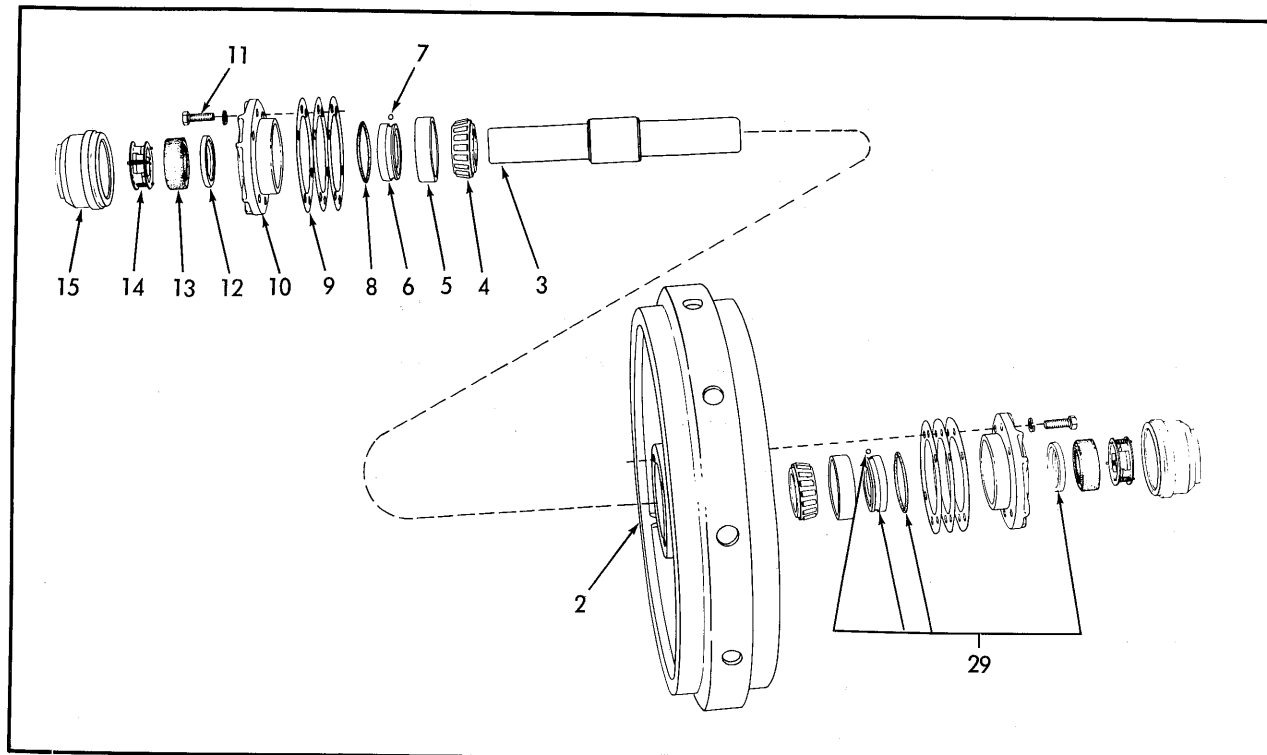
TRACK CARRIER ROLLER

USAGE: Tractors serial No. 16007 and up excluding units with special 39-link tracks

ITEM PART NO. QTY. DESCRIPTION

1	70622613	2	ROLLER ASSEMBLY (Consists of items 2 thru 15)	
2	70622612	2	RETAINER, outer bearing	
3	70683586	12	CAPSCREW, 3/8"NF x 1-1/4"	
4	70655474	8	SHIM, bearing adjustment (.003" thick)	} Use as required
	70051484	4	SHIM, bearing adjustment (.007" thick)	
	70051483	6	SHIM, bearing adjustment (.010" thick)	
	70051482	6	SHIM, bearing adjustment (.032" thick)	
5	70051481	2	ROLLER	
6	70078749	2	SHAFT	
7	70042888	4	CONE ASSEMBLY, bearing	
8	70042887	4	CUP, bearing	
9	70051478	2	RETAINER, inner bearing	
10	70012992	12	CAPSCREW, 3/8"NF x 1-1/4"	
	70904206	12	LOCKWASHER, 3/8"	
11	70047581	2	□SPRING ASSEMBLY, seal (Serviced only as a unit)	
12	70047151	4	□RING, seal	
13	70047605	6	□GASKET, seal ring	
14	70051429	2	GUARD ASSEMBLY, seal (Includes item 15)	
15	70049877	6	PIN, seal guard	
16	70070299	2	CAPSCREW, bracket clamping (5/8"NF x 4")	
17	70072366	2	NUT, high, 5/8"NF	
18	70631735	1	BRACKET, left side	
	70631736	1	BRACKET, right side	
19	70012984	4	CAPSCREW, 3/4"NF x 2-3/4"	
20	70090978	4	CAPSCREW, 3/4"NF x 7-3/8"	
	70904369	8	LOCKWASHER, 3/4"	
21	70631750	4	BLOCK, tapped, bracket attaching capscrews	
22	70033288	-	CEMENT, neoprene, 1/2 pint can	} For cementing gaskets
23	70054890	-	SOLVENT, neoprene cement, 1/2 pint can	
24	70083536	1	SEAL KIT (Full set of items 11 thru 13 for both rollers)	

□Indicates components of item 24



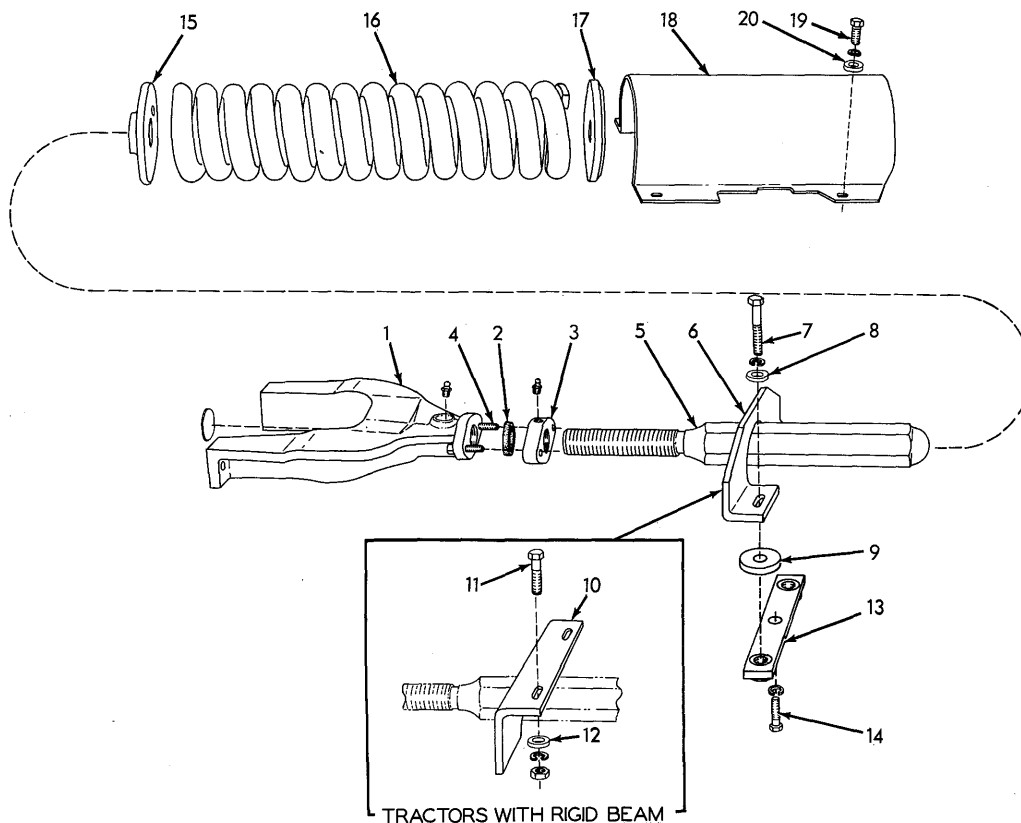
TRACK IDLER

T-79257

TRACK IDLER

ITEM	PART NO.	QTY.	DESCRIPTION	
1	70679903	2	IDLER ASSY. (Consists of items 2 thru 15)	
2	70621809	2	IDLER only	
3	70679901	2	SHAFT	
4	70043491	4	CONE ASSY., bearing	
5	70210740	4	CUP, bearing	
6	70073027	4	□RING, seal, inner	
7	70905357	4	□BALL, steel, 3/16" diam.	
8	70073029	4	□RING, seal packing	
9	70655512	8	SHIM, bearing adjustment (.003" thick)	} Use as required
	70050245	8	SHIM, bearing adjustment (.007" thick)	
	70050246	4	SHIM, bearing adjustment (.010" thick)	
	70050247	4	SHIM, bearing adjustment (.031" thick)	
10	70622826	4	RETAINER, bearing	
11	70922726	16	CAPSCREW, 1/2"NF x 1-1/2"	
	70912441	16	LOCKWASHER, 1/2"	
12	70621283	4	□RING, idler seal	
13	70048665	4	BOOT, idler seal	
14	70048666	4	SPRING ASSY., idler seal (Serviced only as a unit)	
15	70622827	4	RETAINER, seal	
16	70622930	4	BRACKET ASSY. (Includes item 17)(Used prior to tractor #16007)	}
	70631794	4	BRACKET ASSY. (Includes item 17)(Effective with tractor #16007)	
17	70658707	8	PIN, dowel, idler bracket to release yoke	
18	70926900	4	CAPSCREW, bracket clamping (3/4"NF x 8")	
19	70012767	4	NUT, high, 3/4"NF	
20	70049861	20	SHIM, guide plate spacing (1/64" thick. Use as req'd) (Tractors prior to unit #23704)	}
	70679376	20	SHIM, guide plate spacing (1/64" thick. Use as req'd)(Tractors unit #23704 and up)	
21	70629615	4	PLATE, guide (Tractors prior to unit #23704)	}
	70679114	4	PLATE, guide (Tractors unit #23704 and up)	
22	70921535	8	CAPSCREW, 5/8"NC x 1-3/4"	
	70912942	8	LOCKWASHER, 5/8"	
23	70629827	2	GUARD, left (Special equipment	
24	70921175	4	CAPSCREW, 1/2"NC x 1"	
	70912441	4	LOCKWASHER, 1/2"	
25	70629828	2	GUARD, right (Special equipment)	
26	70921175	4	CAPSCREW, 1/2"NC x 1"	
	70912441	4	LOCKWASHER, 1/2"	
27	70033288	-	CEMENT, neoprene, 1/2 pt. can	} For cementing boots and gaskets
28	70054890	-	SOLVENT, neoprene, 1/2 pt. can	
29	70078941	2	SEAL KIT (Includes parts for one (1) idler assembly only; items 6, 7, 8 and 12)	

□Indicates components of item 29



TRACK RELEASE

T-33393

USAGE: Standard on tractors prior to serial No. 16007. See page 235 for units with special 39-link track

ITEM PART NO. QTY. DESCRIPTION

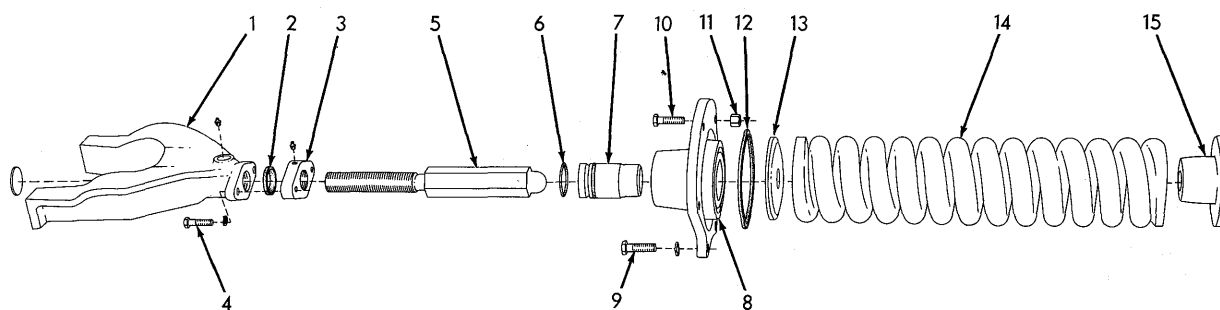
NOTE: See pages 232 and 233 for optional Hydraulic Track Adjuster

1	70631756	2	YOKE ASSEMBLY (Includes PLUG 70910016)
	70910016	2	PLUG, expansion, 2-1/4" diam.
	70914465	2	FITTING, lubricating, straight, 1/8"NPT
2	70066063	2	SEAL, protecting, adjusting screw threads (rubber)
3	70049849	2	LOCK, adjusting screw
	70914465	2	FITTING, lubricating, straight, 1/8"NPT
4	70035067	4	CAPSCREW, 1/2"NF x 2"
	70904208	4	LOCKWASHER, 1/2"
5	70054952	2	SCREW, adjusting
6	70628754	2	BRACKET, supporting, adjusting screw (Used with standard equalizing spring only)
7	70035229	4	CAPSCREW, 5/8"NF x 2" (Used prior to tractor #14710)
	70013467	4	CAPSCREW, 5/8"NF x 3" (Effective with tractor #14710)
	70904209	4	LOCKWASHER, 5/8"
8	70064810	4	WASHER, plain
9	70050547	4	WASHER, spacing (Effective with tractor #14710)

(Continued)

TRACK RELEASE (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
10	70628757	2	BRACKET, supporting, adjusting screw (Used with optional rigid beam only)
11	70035229	4	CAPSCREW, 5/8"NF x 2"
12	70064810	4	WASHER, plain
	70904209	4	LOCKWASHER, 5/8"
	70911044	4	NUT, 5/8"NF
13	70630696	2	BLOCK, tapped, adjusting screw bracket (Effective with tractor #14710)
14	70035018	2	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	2	LOCKWASHER, 1/2"
15	70098902	2	SEAT, release spring, front
16	70620934	2	SPRING
17	70096136	2	SEAT, release spring, rear
18	70090691	1	GUARD, release spring, left
	70090692	1	GUARD, release spring, right
19	70614478	8	CAPSCREW, 1/2"NF x 1-3/8"
	70904208	8	LOCKWASHER, 1/2"
20	70064531	8	WASHER, plain



TRACK RELEASE

T-37192

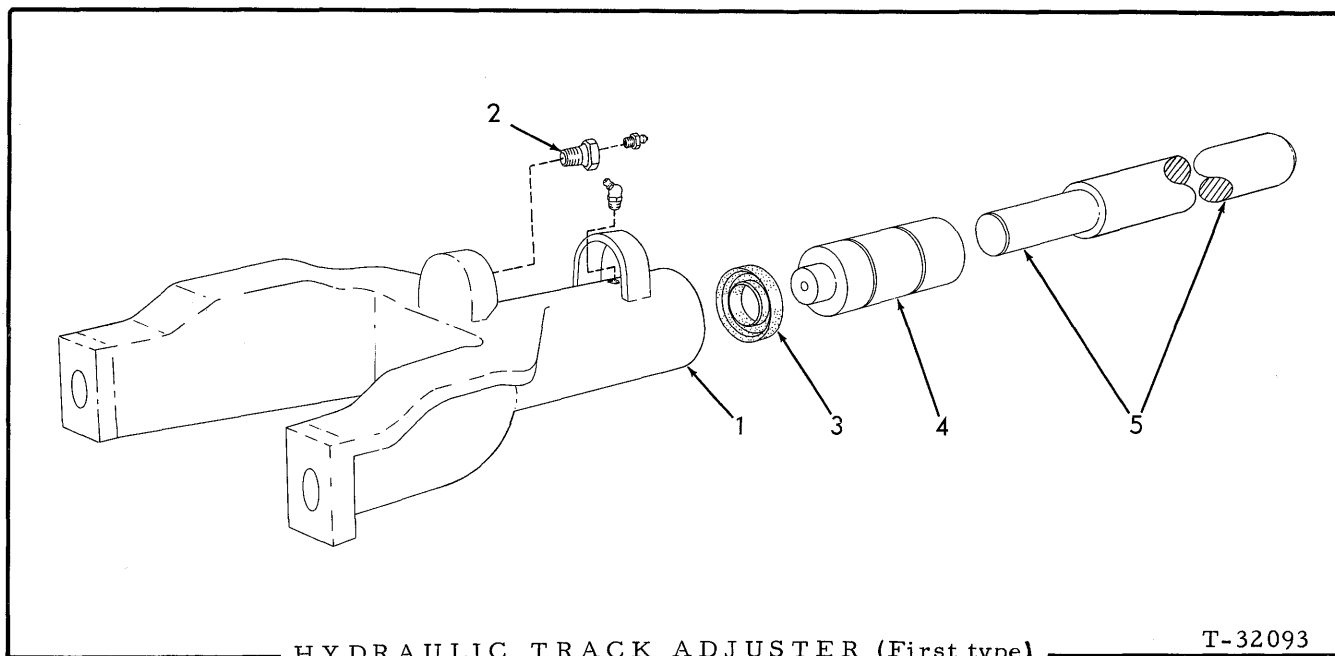
USAGE: Standard on tractors serial No. 16007 and up. See page 235 for units with special 39-link track.

ITEM PART NO. QTY. DESCRIPTION

NOTE: See pages 232 and 233 for optional Hydraulic Track Adjuster

1	70631756	2	YOKE ASSEMBLY (Includes PLUG indented below)
	70910016	2	PLUG, expansion, 2-1/4" diam.
	70914465	2	FITTING, lubricating, straight, 1/8"NPT
2	70066063	2	SEAL, protecting, adjustment screw threads (rubber)
3	70049849	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	70631548	2	SCREW, adjustment
6	70923827	4	O-RING, crosshead
7	70631751	2	CROSSHEAD
8	70631752	2	COVER, release spring chamber
9	70035229	6	CAPSCREW, 5/8"NF x 2"
	70904209	6	LOCKWASHER, 5/8"
10	70035248	6	CAPSCREW, 5/8"NF x 2-1/4"
11	70072366	6	NUT, high, 5/8"NF
12	70631771	2	SEAL, release spring chamber cover
13	70096136	2	SEAT, release spring, front
14	70620934	2	SPRING
15	70631753	2	SEAT, release spring, rear

MEMO

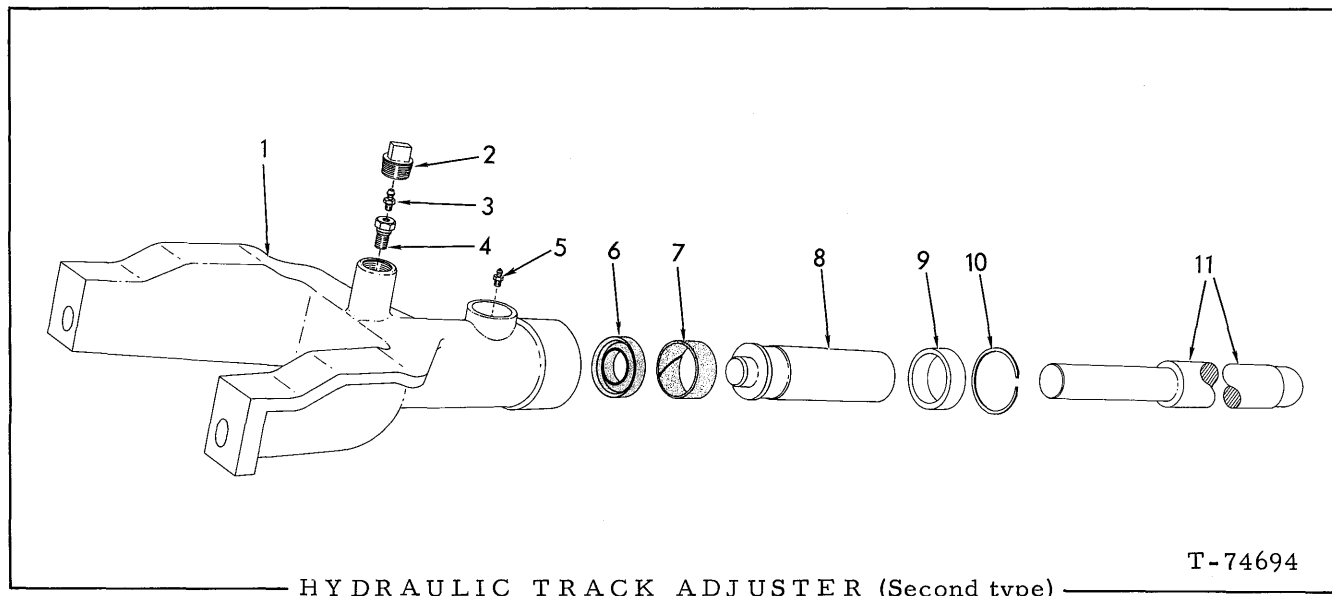


HYDRAULIC TRACK ADJUSTER (First type)

T-32093

USAGE: Special equipment. Used prior to July 1968

ITEM	PART NO.	QTY.	DESCRIPTION
1	70624205	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, check (Serviced only as a unit)
	70918188	2	FITTING, 90°, 1/4" -28 thread (Early units)
	70912808	2	FITTING, straight, 1/4" -28 thread (Late units)
3	70628931	2	SEAL, piston
4	70628930	2	PISTON, adjusting
5	70624666	2	BAR, push (19-1/4" long)(Used prior to tractor #16007)
	70633828	2	BAR, push (15-1/8" long)(Used on tractors #16007 and up)
	70665189	2	BAR, push (25-3/4" long)(For units with special 39-link track only)

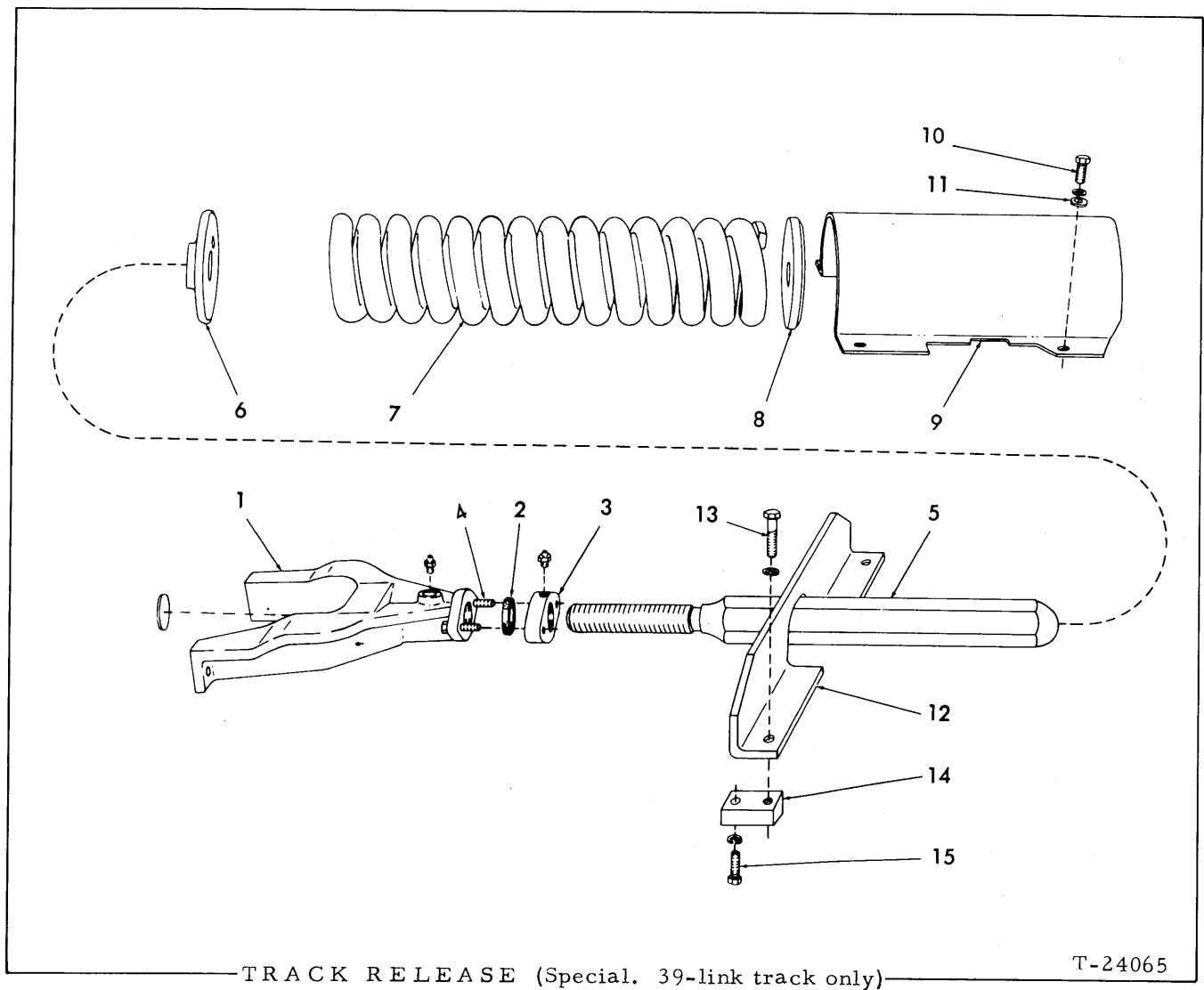


USAGE: Special equipment. Effective July 1968.

*Early units. Piston has 7-5/8" bore-depth.

**Late units. Piston has 3-1/2" bore-depth.

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
1	-----	2 -	YOKE ASSY. (Order 70666406 and appropriate 4-1/8" shorter bar (item 11))
	70666406	- 2	YOKE ASSY. (Includes items 2 thru 10)
2	70666367	2 2	PLUG, yoke
3	70666407	2 2	FITTING, pressurizing
4	70628915	2 2	VALVE ASSY., check (Serviced only as a unit)
5	70914465	- 2	FITTING, pressuring
6	70628931	2 2	SEAL, piston
7	70665133	2 2	RING, wear, adjusting piston
8	-----	2 -	PISTON, adjusting (Order 70666408 and appropriate 4-1/8" shorter bar (item 11))
	70666408	- 2	PISTON, adjusting
9	70665134	2 2	RING, wear, release yoke
10	70624690	2 2	RING, snap
11	70665298	2 -	BAR, push (19-1/4" long)
	70666402	- 2	BAR, push (15-1/8" long)
	70665186	2 -	BAR, push (15-1/8" long)
	70666369	- 2	BAR, push (11" long)
	70665189	2 -	BAR, push (25-3/4" long)
	70666370	- 2	BAR, push (21-5/8" long)
			For tractors prior to #16007 with 37-link track
			For tractors #16007 and up with 37-link track
			For tractors equipped with special 39-link track



TRACK RELEASE

USAGE: Tractors with special 39-link track only

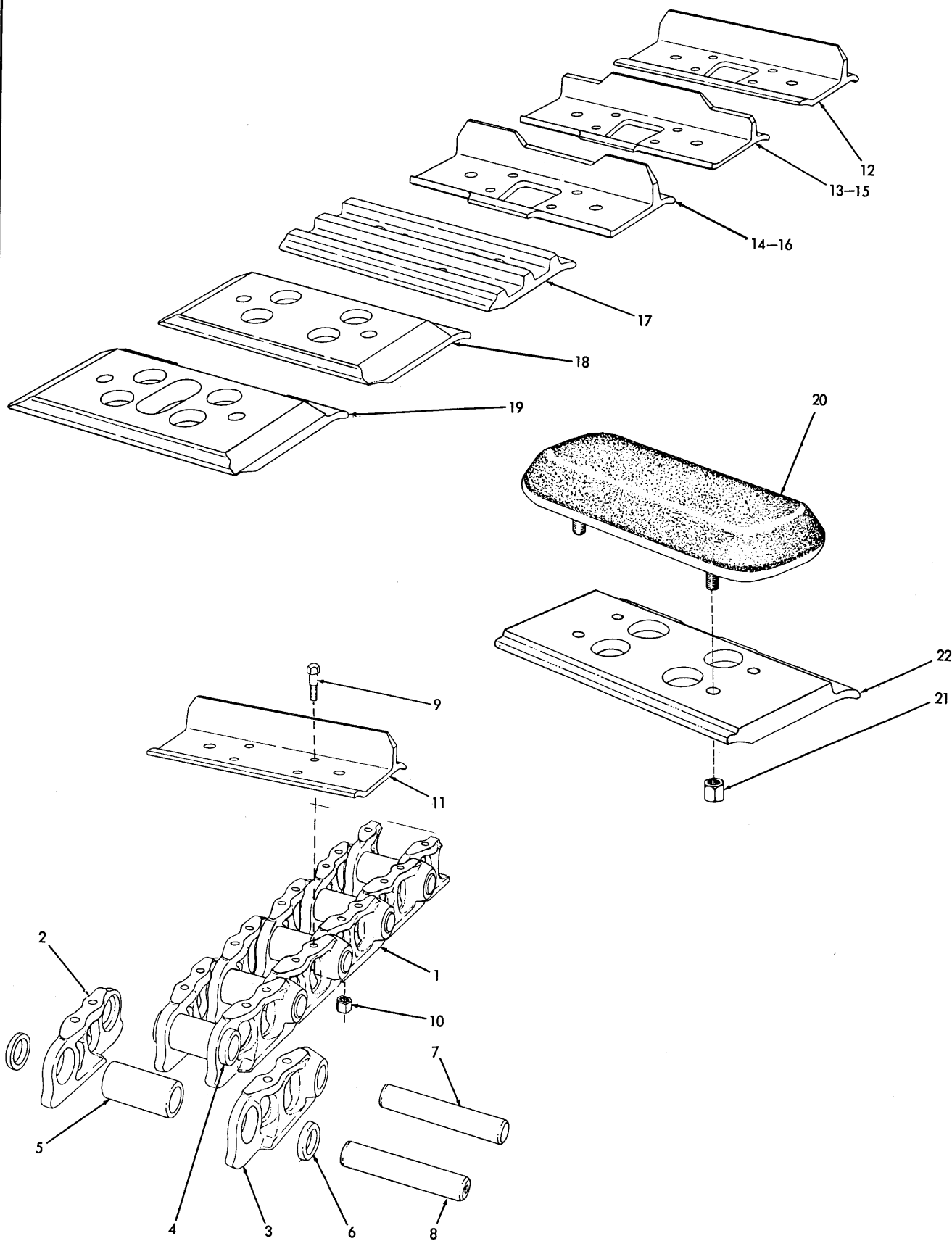
ITEM PART NO. QTY. DESCRIPTION

NOTE: See pages 232 and 233 for optional Hydraulic Track Adjuster

1	70631756	2	YOKE ASSEMBLY (Includes PLUG 910016)
	70910016	2	PLUG, expansion, 2-1/4" diam.
	70914465	2	FITTING, lubricating, straight, 1/8"NPT
2	70066063	2	SEAL, protecting, adjusting screw threads (rubber)
3	70049849	2	LOCK, adjusting screw
	70914465	2	FITTING, lubricating, straight, 1/8"NPT
4	70035067	4	CAPSCREW, 1/2"NF x 2"
	70904208	4	LOCKWASHER, 1/2"
5	70086788	2	SCREW, adjusting
6	70098902	2	SEAT, release spring, front
7	70620934	2	SPRING
8	70096136	2	SEAT, release spring, rear
9	70090691	1	GUARD, release spring, left
	70090692	1	GUARD, release spring, right
10	70614478	8	CAPSCREW, 1/2"NF x 1-3/8"
	70904208	8	LOCKWASHER, 1/2"
11	70064531	8	WASHER, plain

NOTE: Items listed below were used only on units prior to February 1966

12	70093332	2	BRACKET, supporting, adjusting screw
13	70035248	4	CAPSCREW, 5/8"NF x 2-1/4" (Used prior to tractor #16007)
	70070161	4	CAPSCREW, 5/8"NF x 2-3/4" (Effective with tractor #16007)
	70904209	4	LOCKWASHER, 5/8"
14	70093982	4	BLOCK, tapped, supporting bracket capscREW (tapered section) (Used prior to tractor #16007)
	70631665	4	BLOCK, tapped, supporting bracket capscREW (straight section) (Effective with tractor #16007)
15	70035018	4	CAPSCREW, 1/2"NF x 1-1/2" (Used prior to tractor #16007)
	70035073	4	CAPSCREW, 1/2"NF x 1-3/4" (Effective with tractor #16007)
	70904208	4	LOCKWASHER, 1/2"



TRACK (First type)

T-11615

TRACK

USAGE: Tractors prior to serial No. 18541

				* Standard (37-link track)
				** Special (39-link track)
		QTY.		
ITEM	PART NO.	* **	DESCRIPTION	
1 {	70088035	2 -	RAIL ASSEMBLY (37 links)(Consists of items 2 thru 8)	
	70087192	- 2	RAIL ASSEMBLY (39 links)(Consists of items 2 thru 8)	
2	70078835	74 78	BAR, left	
3	70078836	74 78	BAR, right	
4	70086509	72 76	BUSHING (4-3/4" long)	
5	70079617	2 2	BUSHING, master (4" long)	
6	70086532	4 4	SPACER, master bushing	
7	70079616	72 76	PIN	
8	70621298	2 2	PIN, master	
9 {	70644667	296 312	BOLT, track shoe (1/2"NF x 1-11/16")(For grouser shoes only)	
	70644668	296 312	BOLT, track shoe (1/2"NF x 1-13/16")(For flat, semi-grouser and rubber-faced shoes)	
10	70084971	296 312	NUT, track shoe bolt	

TRACK SHOES

COMPLETE TRACK ASSEMBLIES WITH SHOES (2 Required)

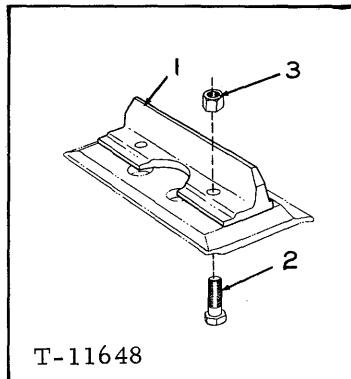
				*		**
				(37 links)		(39 links)
11 {	70054964	74 78	SHOE, grouser, 7"			
	70051359	74 78	SHOE, grouser, 13".....	70646177		-----
	70055019	74 78	SHOE, grouser, 15"			
	70054973	74 78	SHOE, grouser, heat treated, 13".....	70650652		-----
	70055026	74 78	SHOE, grouser, heat treated, 15"			
	70055073	74 78	SHOE, grouser, heat treated, 16"...△	70088017		-----
	70055113	74 78	SHOE, grouser, heat treated, 18"...△	70089054		-----
	70055144	74 78	SHOE, grouser, heat treated, 20".....	70647005		70647980
	70081894	74 78	SHOE, grouser, heat treated, 22".....	70648290		-----
	70055189	74 78	SHOE, grouser, heat treated, 24".....	70648301		70647036
	70631334	74 78	SHOE, grouser, heat treated, 26".....	70648296		70647032

(Continued)

TRACK (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION	TRACK SHOES	COMPLETE TRACK ASSEMBLIES WITH SHOES (2 Required)	
		*	**			*	**
						(37 links)	(39 links)
12	70055012	74	78	SHOE, grouser, open-center, 13"			
	70055037	74	78	SHOE, grouser, open-center, 15"			
	70055089	74	78	SHOE, grouser, open-center, 16"	70648420		-----
	70055125	74	78	SHOE, grouser, open-center, 18"			
13	70099148	38	40	SHOE, grouser, snow and ice, single calk, open-center, 13"	}	70648415	 -----
14	70099147	36	38	SHOE, grouser, snow and ice, double calk, open-center, 13"			
15	70099146	38	40	SHOE, grouser, snow and ice, single calk, open-center, 16"			
16	70099145	36	38	SHOE, grouser, snow and ice, double calk, open-center, 16"			
17	70098462	74	78	SHOE, semi-grouser, 13"	Δ	70098490	 -----
	70098484	74	78	SHOE, semi-grouser, 15"		70650358	 -----
	70098175	74	78	SHOE, semi-grouser, open-center, 13"		70658578	 -----
18	70064241	74	78	SHOE, flat, 13"			
19	70064242	74	78	SHOE, flat, open-center, 13"			
20	70081966	74	78	PAD, rubber-faced, 13"	}	70651518	 -----
21	70038234	148	156	NUT, high, 1/2"NF			
22	70080773	74	78	SHOE, adapting, rubber-faced pad			

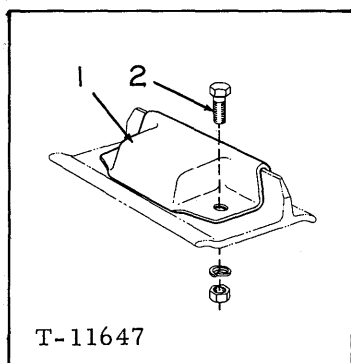
NOTE: COMPLETE TRACK ASSEMBLIES listed above are of the latest design (sealed-type) as shown on page 241 except items marked Δ



GROUSERS

USAGE: Special equipment. For flat and semi-grouser shoes.
Quantities indicated are for one (1) track shoe only.

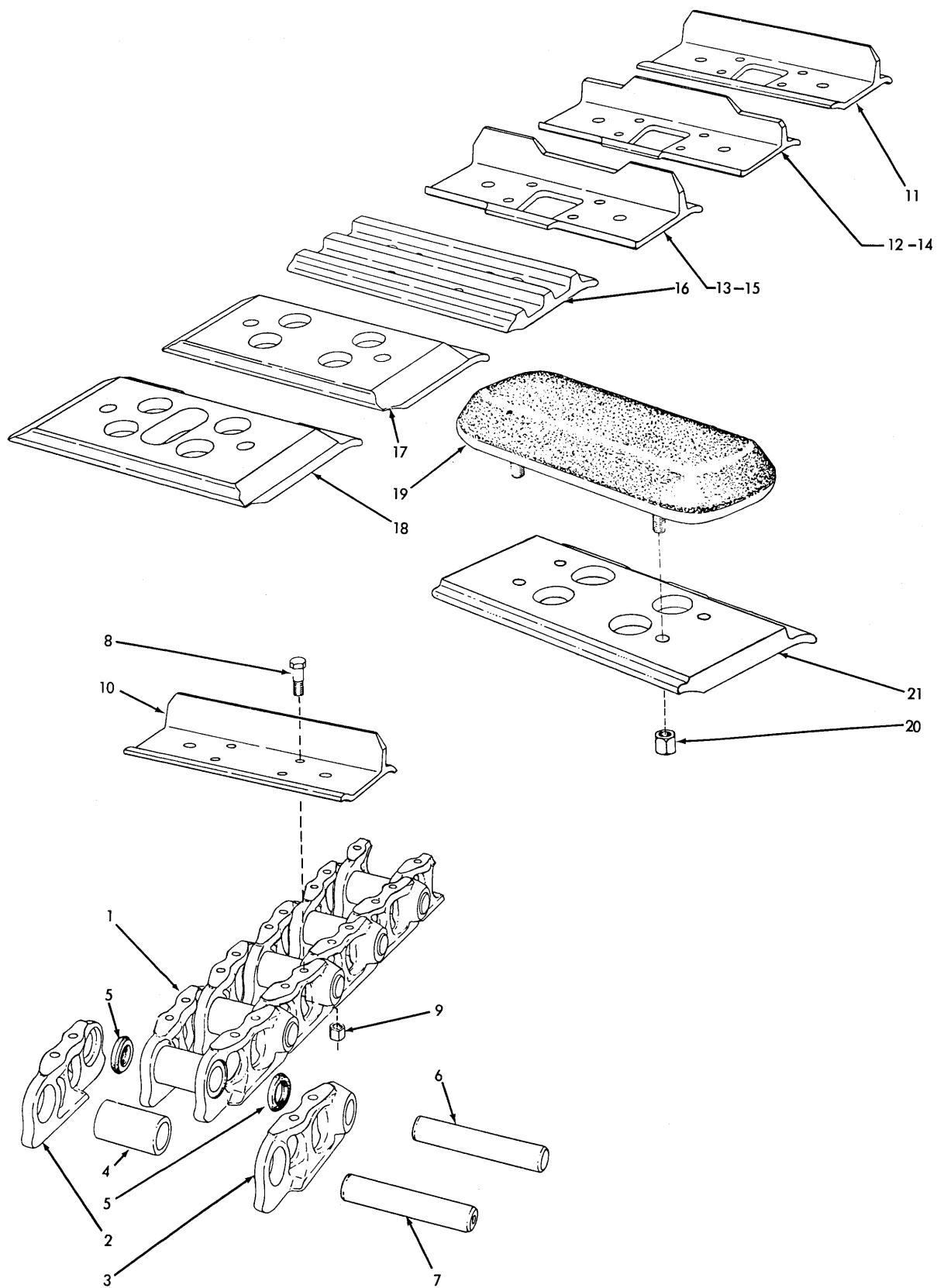
ITEM	PART NO.	QTY.	DESCRIPTION
1	70064272	1	GROUSER, snow and ice, 11"
	70064273	1	GROUSER, snow and ice, 13"
2	70013465	2	CAPSCREW, 3/4"NF x 2-1/2"
3	70012767	2	NUT, high, 3/4"NF



STREET PLATE

USAGE: Special equipment. For grouser track shoes. Quantities indicated are for one (1) track shoe only

1	70036245	1	PLATE, street
2	70035014	2	CAPSCREW, 5/8"NF x 1-1/2"
	70904209	2	LOCKWASHER, 5/8"
	70911044	2	NUT, 5/8"NF



TRACK (Second type)

T-71373

T R A C K
(Sealed-type)

USAGE: Effective with tractor serial No. 18541

		QTY.		DESCRIPTION
		*	**	
		* Standard (37-link track)		
		** Special (39-link track)		
ITEM	PART NO.	*	**	DESCRIPTION
1	70646175	2	-	RAIL ASSEMBLY (37 links)(Consists of items 2 thru 7)
	70647030	-	2	RAIL ASSEMBLY (39 links)(Consists of items 2 thru 7)
2	70078835	74	78	BAR, left
3	70078836	74	78	BAR, right
4	70646013	74	78	BUSHING
5	70650515	148	156	SEAL
6	70079616	72	76	PIN
7	70621298	2	2	PIN, master
8	70644667	296	312	BOLT, track shoe (1/2"NF x 1-11/16")(For grouser shoes only)
	70644668	296	312	BOLT, track shoe (1/2"NF x 1-13/16")(For flat, semi-grouser and rubber-faced shoes)
9	70084971	296	312	NUT, track shoe bolt

T R A C K S H O E S

COMPLETE TRACK ASSEMBLIES
WITH SHOES (2 Required)

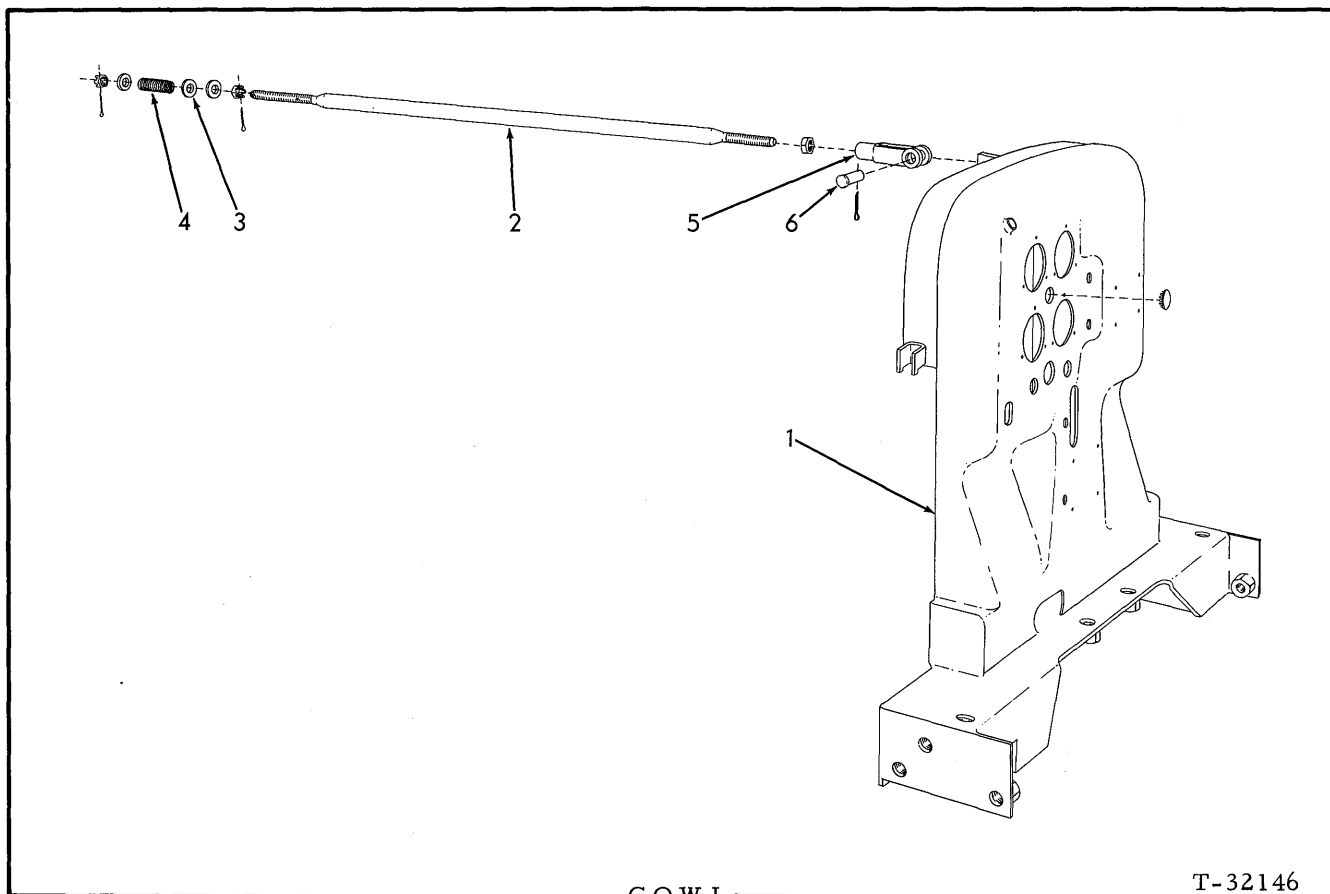
				*	**
				(37 links)	(39 links)
10	70054964	74	78	SHOE, grouser, 7"	
	70051359	74	78	SHOE, grouser, 13"	70646177
	70055019	74	78	SHOE, grouser, 15"	
	70054973	74	78	SHOE, grouser, heat treated, 13"	70650652
	70055026	74	78	SHOE, grouser, heat treated, 15"	
	70055073	74	78	SHOE, grouser, heat treated, 16"	70647008
	70055113	74	78	SHOE, grouser, heat treated, 18"	70647016
	70055144	74	78	SHOE, grouser, heat treated, 20"	70647005 70647980
	70081894	74	78	SHOE, grouser, heat treated, 22"	70648290
	70055189	74	78	SHOE, grouser, heat treated, 24"	70648301 70647036
	70631334	74	78	SHOE, grouser, heat treated, 26"	70648296 70647032

(Continued)

TRACK (Continued)

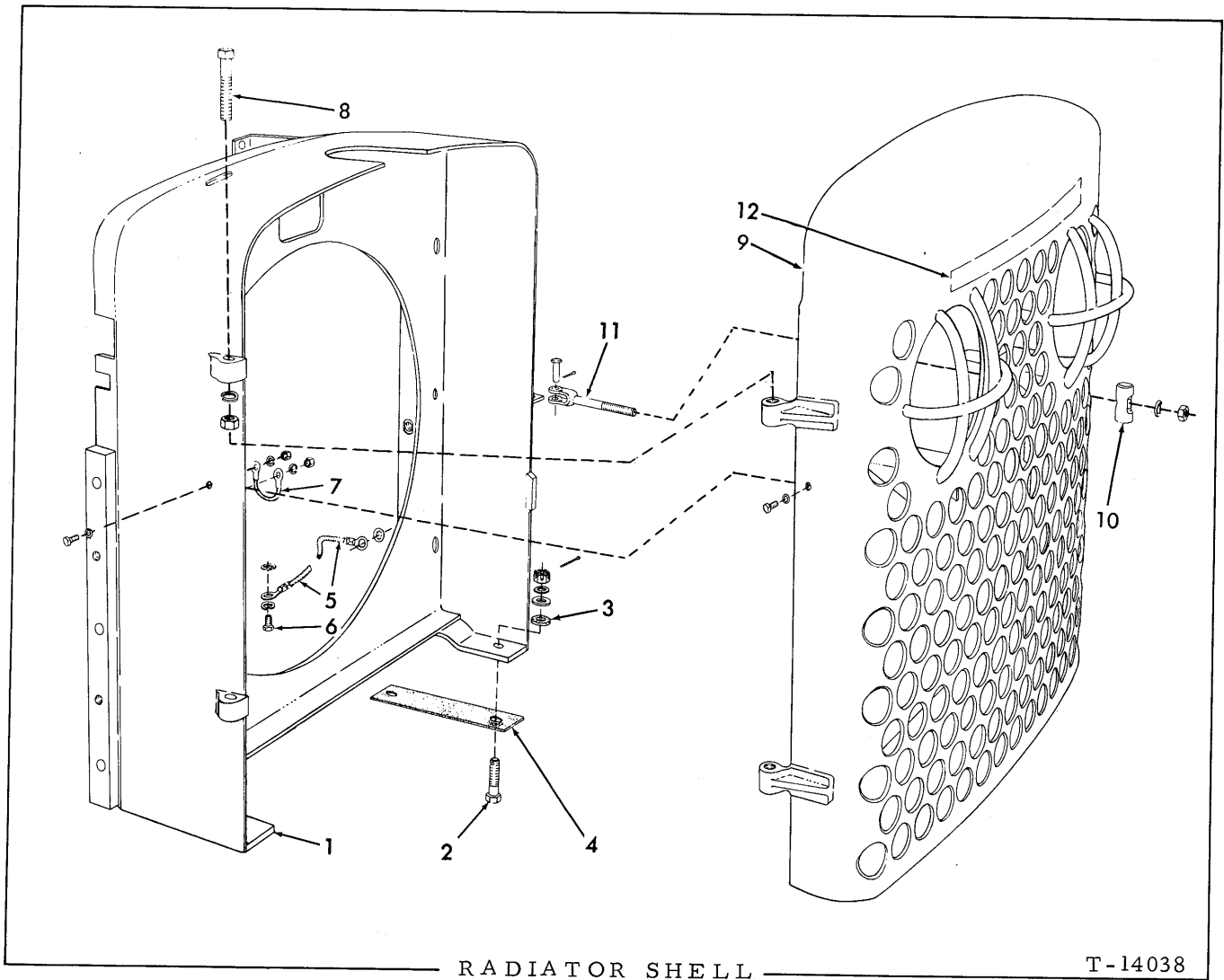
ITEM	PART NO.	QTY.		DESCRIPTION	COMPLETE TRACK ASSEMBLIES WITH SHOES (2 Required)	
		*	**		*(37 links)	**(39 links)
11	70055012	74	78	SHOE, grouser, open-center, 13"		
	70055037	74	78	SHOE, grouser, open-center, 15"		
	70055089	74	78	SHOE, grouser, open center, 16"	70648420	
	70055125	74	78	SHOE, grouser, open center, 18"		
12	70099148	38	40	SHOE, grouser, snow and ice, single calk, open center, 13"	70648415	
13	70099147	36	38	SHOE, grouser, snow and ice, double calk, open center, 13"		
14	70099146	38	40	SHOE, grouser, snow and ice, single calk, open center, 16"		
15	70099145	36	38	SHOE, grouser, snow and ice, double calk, open center, 16"		
16	70098462	74	78	SHOE, semi-grouser, 13"	70647002	
	70098484	74	78	SHOE, semi-grouser, 15"	70650358	
	70658571	74	78	SHOE, semi-grouser, 24"	70658578	
	70098175	74	78	SHOE, semi-grouser, open center, 13"		
17	70064241	74	78	SHOE, flat, 13"		
	70064243	74	78	SHOE, flat, 15"		
18	70064242	74	78	SHOE, flat, open center, 13"		
	70064244	74	78	SHOE, flat, open center, 15"		
19	70081966	74	78	PAD, rubber-faced, 13"	70651518	
20	70038234	148	156	NUT, high, 1/2"NF		
21	70080773	74	78	SHOE, adapting, rubber-faced pad		

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.



ITEM	PART NO.	QTY.	DESCRIPTION
1	70648216	1	COWL
	70921113	2	PLUG, button, 11/16" hole-diam.
2	70629289	1	ROD, bracing
	70913830	1	NUT, jam, 1/2"NF (rear end)
	70910867	2	NUT, slotted, 1/2"NF (front end)
	70900806	2	PIN, cotter, 1/8" x 1"
3	70064531	3	WASHER, bracing rod
4	70074960	1	SPRING, bracing rod
5	70068389	1	YOKE, bracing rod
6	70049993	1	PIN, bracing rod yoke
	70910967	1	PIN, cotter, 1/8" x 7/8"

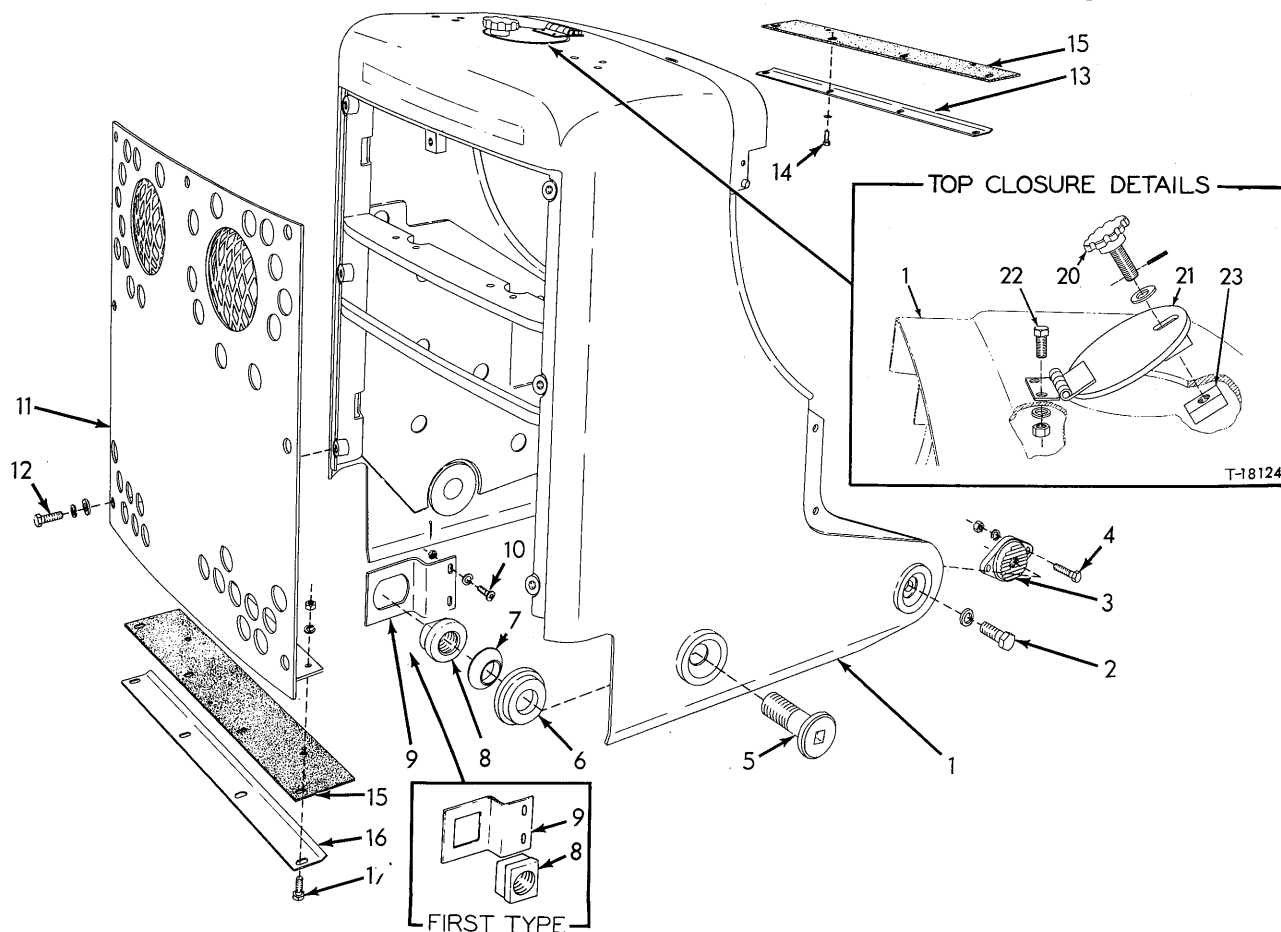
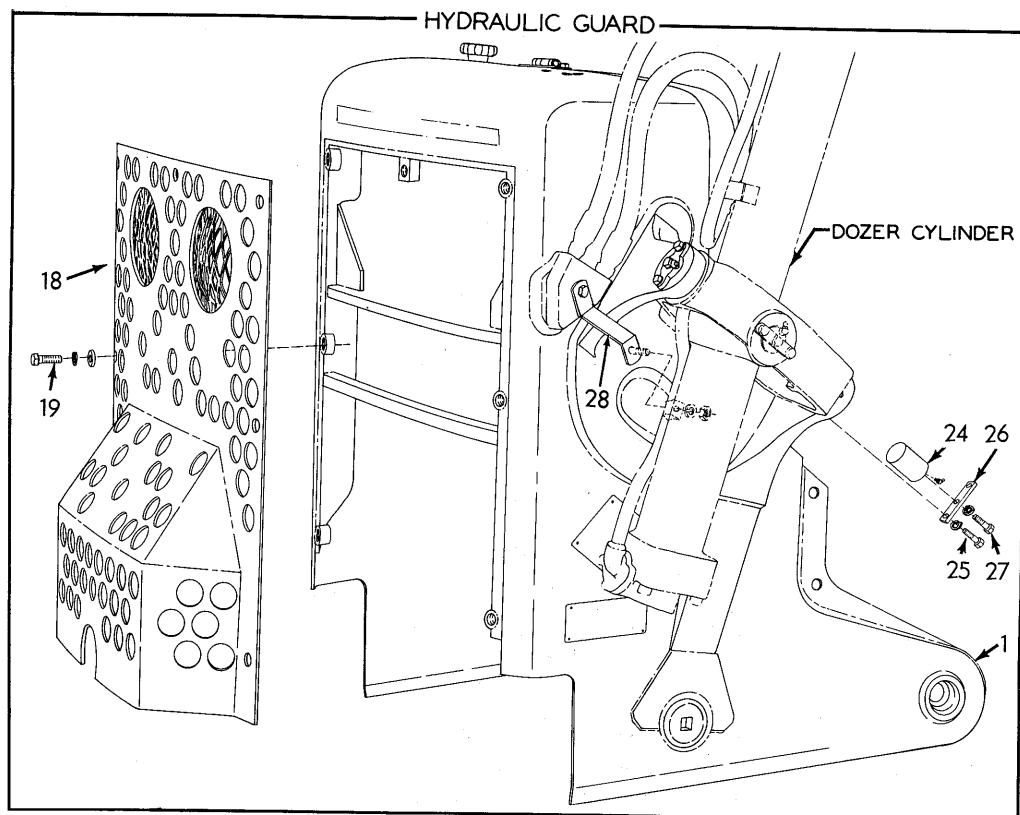
NOTE: See PAINTING AND MARKING for transfers applied to cowl.



RADIATOR SHEEL

USAGE: Standard equipment. Also see page 247 for optional Wrap-around Radiator Guard.

ITEM	PART NO.	QTY.	DESCRIPTION
1 {	-----	1	SHELL, radiator (Used prior to tractor #19305)(Order SHELL 70649415 and MOUNTING KIT 70645765)
	70649415	1	SHELL, radiator (Tractor #19305 and up)
2	70093061	4	CAPSCREW, drilled end, 1/2"NF x 2"
	70900818	4	WASHER, plain, U. S. std., 1/2"
	70916009	8	WASHER, shimmmg (1/32" thick. Use as required)
	70910867	4	NUT, slotted, 1/2"NF
	70900806	4	PIN, cotter, 1/8" x 1"
3	70093054	4	WASHER, shell mounting (rubber)
4	70093055	2	PAD, shell mounting (rubber)
5	70628576	1	CABLE, shell grounding (25" long)
	70906960	1	LOCKWASHER, int-tooth, 3/8"
	70906961	1	LOCKWASHER, int-tooth, 1/2"
6	70916268	1	CAPSCREW, 3/8"NC x 5/8"
	70904206	1	LOCKWASHER, 3/8"
7	70605807	1	CABLE, guard grounding
	70915406	2	CAPSCREW, 1/4"NC x 3/4"
	70909367	2	LOCKWASHER, int-tooth
	70904204	2	LOCKWASHER, regular, 1/4"
	70911024	2	NUT, 1/4"NC
8	70057605	2	CAPSCREW, radiator grille hinge (1/2"NF x 2-3/4")
	70904208	2	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF
9	70658029	1	GUARD, radiator protecting
10	70054899	1	PIN, grille latching (plain hole)
11	70096456	1	YOKE, grille latching
	70917648	1	PIN, yoke, 1/2" diam.
	70910967	1	PIN, cotter, 1/8" x 7/8"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
12	-----	1	TRANSFER (See PAINTING AND MARKING)



WRAP-AROUND RADIATOR GUARD

T-32167

WRAP-AROUND RADIATOR GUARD

USAGE: Optional equipment

* Plain type
** Hydraulic type

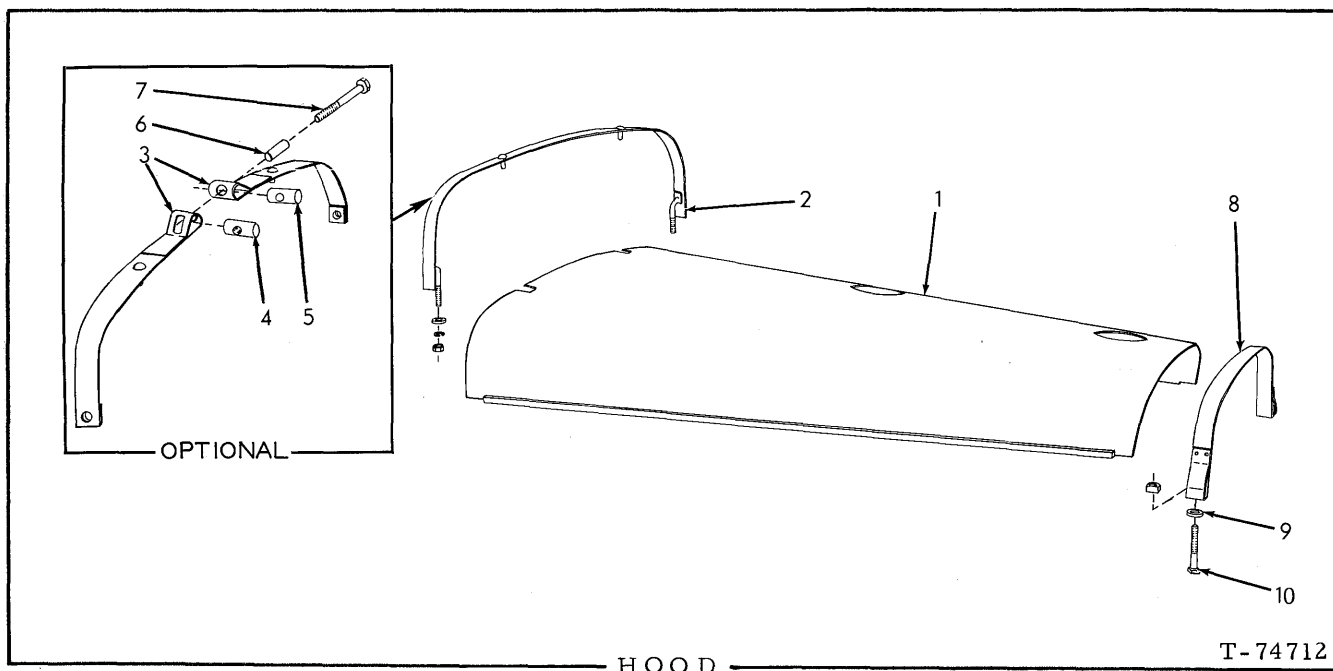
ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	70624544	1	-	GUARD, radiator
	70624537	-	1	GUARD, radiator
2	70916330	2	2	CAPSCREW, 3/4"NF x 2"
	70904369	2	2	LOCKWASHER, 3/4"
3	70089255	2	2	BLOCK, tapped, guard attaching
4	70916313	4	4	CAPSCREW, 1/2"NC x 1-3/4"
	70904208	4	4	LOCKWASHER, 1/2"
	70911028	4	4	NUT, 1/2"NC
5	70086835	2	2	CAPSCREW, guard attaching
6	70086836	2	2	SPACER, guard attaching capscREW
7	70086837	2	2	WASHER, cone, guard attaching capscREW
8	-----	2	2	NUT, guard attaching capscREW (square)(Used prior to tractor #15185. Order NUT 70631553 and LOCK 70631554)
	70631553	2	2	NUT, guard attaching capscREW (Effective with tractor #15185)
9	70089592	2	2	LOCK, guard attaching nut (For square nut)(Used prior to tractor #15185)
	70631554	2	2	LOCK, guard attaching nut (Effective with tractor #15185)
10	70091090	4	4	CAPSCREW, flat-socket-hd., 3/8"NF x 1-5/16"
	70900817	4	4	WASHER, plain, U.S. std., 3/8"
	70910863	4	4	NUT, slotted, 3/8"NF
	70900802	4	4	PIN, cotter, 3/32" x 1"
11	70624386	1	-	PLATE, front closure
12	70915987	7	-	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	7	-	LOCKWASHER, 1/2"
	70064531	7	-	WASHER, plain
13	70092022	1	1	BAFFLE, air, top
14	70916225	4	4	CAPSCREW, 3/8"NF x 1"
	70904206	4	4	LOCKWASHER, 3/8"
15	70092021	2	1	STRIP, sealing, air baffle (rubber)
16	70092022	1	-	BAFFLE, air, bottom
17	70036034	4	-	CAPSCREW, 3/8"NF x 1"
	70904206	4	-	LOCKWASHER, 3/8"
	70911041	4	-	NUT, 3/8"NF
18	70624732	-	1	PLATE, front closure
19	70915987	-	7	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	-	7	LOCKWASHER, 1/2"
	70064531	-	7	WASHER, plain

(Continued)

WRAP-AROUND RADIATOR GUARD (Continued)

		QTY.		DESCRIPTION	
ITEM	PART NO.	*	**		
20	70624487	1	1	KNOB, top closure plate	} Used prior to approx. September 1971
	70910244	1	1	WASHER, plain, SAE std., 1/2"	
	70916202	1	1	PIN, spring, 1/8" x 7/8"	
21	70091942	1	1	PLATE, top closure (Includes hinge)	
22	70035167	2	2	CAPSCREW, 3/8"NF x 7/8"	} Used prior to approx. September 1971
	70904206	2	2	LOCKWASHER, 3/8"	
	70911041	2	2	NUT, 3/8"NF	
23	70624488	1	1	BLOCK, tapped	
24	70607606	-	4	PIN, cylinder pivot	}
	70918186	-	4	FITTING, lubricating, 45°, 1/4"-28 taper thread	
25	70916381	-	4	CAPSCREW, 3/8"NF x 3/4"	
	70904206	-	4	LOCKWASHER, 3/8"	
26	70607617	-	4	BAR, retaining, cylinder pivot pin	}
27	70916381	-	8	CAPSCREW, 3/8"NF x 3/4"	
	70904206	-	8	LOCKWASHER, 3/8"	
28	70661934	-	2	STRAP, cylinder tie-down (Used only when transporting tractor with dozer blade removed)	
	70916311	-	2	CAPSCREW, 1/2"NC x 1-1/4"	}
	70904208	-	2	LOCKWASHER, 1/2"	

NOTE: See PAINTING AND MARKING for transfers applied to radiator guard



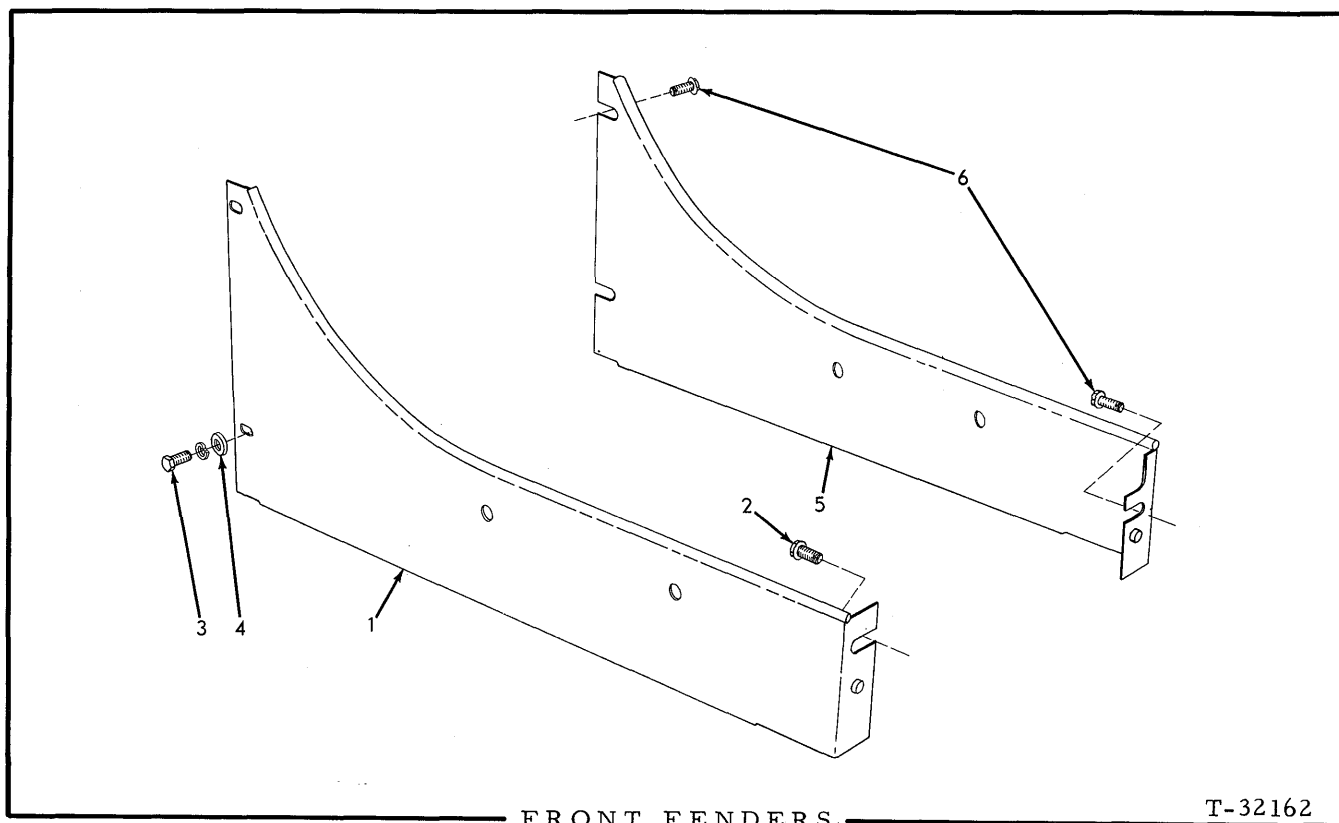
* Standard
 ** Optional. For units with wrap-around radiator guards

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	

NOTE: See page 284 for special hood parts used with Air Pre-cleaner Extension

1	70085755	1	-	HOOD, engine	Units with oil-bath air cleaner
	70086845	-	1	HOOD, engine	
	70624440	1	-	HOOD, engine	Units with dry-type air cleaner
	70624455	-	1	HOOD, engine	
2	70627303	1	-	STRAP, front	
	70044973	2	-	WASHER, plain	
	70904206	2	-	LOCKWASHER, 3/8"	
	70911026	2	-	NUT, 3/8"NC	
3	70086849	-	2	STRAP, front	
4	70050734	-	1	PIN, front strap (threaded hole)	
5	70050735	-	1	PIN, front strap (plain hole)	
6	70053667	-	1	SPACER, front strap cap screw	
7	70086238	-	1	CAPSCREW, front strap	
8	70085628	1	1	STRAP, rear	
9	70044973	2	2	WASHER, rear strap bolt	
10	70912069	2	2	CAPSCREW, rear strap (3/8"NC x 2-1/2")	
	70900405	2	2	NUT, square, 3/8"NC	

NOTE: See PAINTING AND MARKING for transfers applied to hood

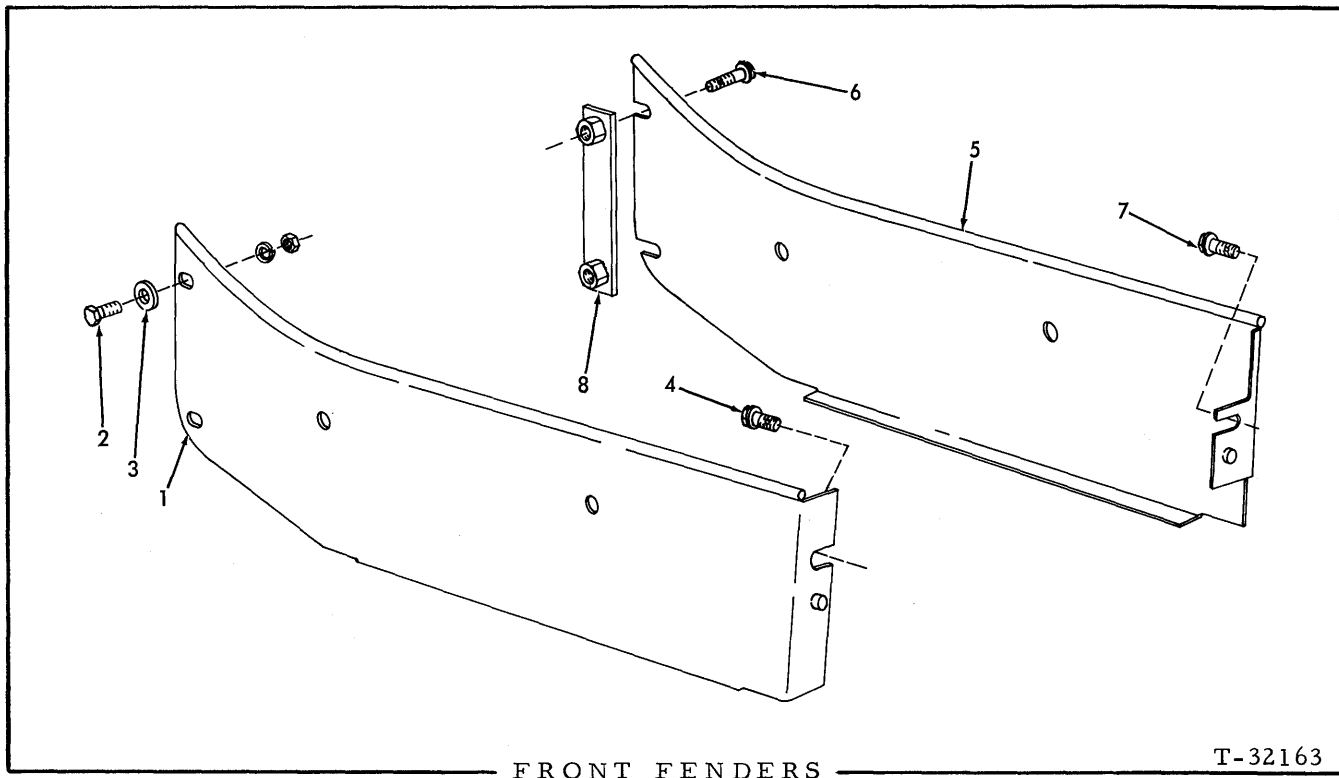


FRONT FENDERS

T-32162

USAGE: Standard equipment. See page 251 for optional fenders.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70628081	1	FENDER, left side
2	70624418	1	CAPSCREW, Nylok, 1/2"NF x 3/4"
3	70913249	2	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	2	LOCKWASHER, 1/2"
4	70064531	2	WASHER, plain
5	70628082	1	FENDER, right side
6	70624418	3	CAPSCREW, Nylok, 1/2"NF x 3/4"



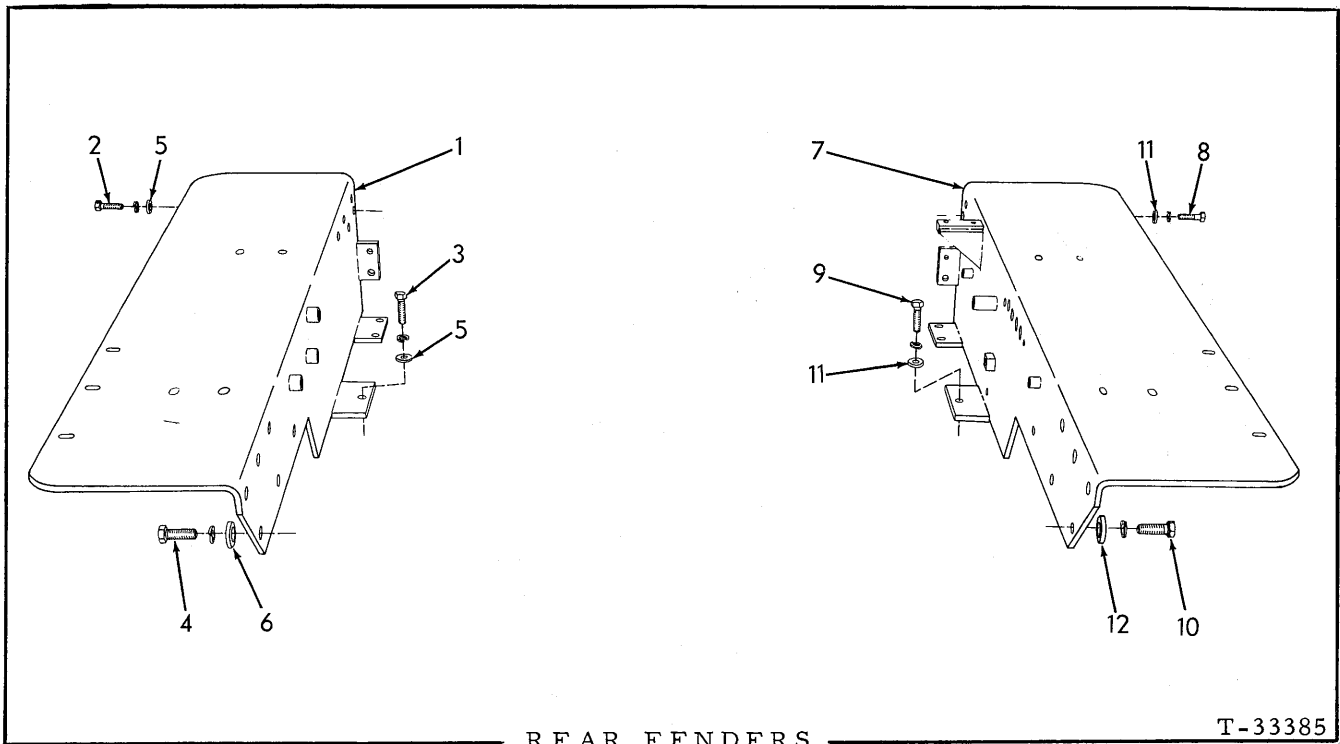
FRONT FENDERS

T-32163

USAGE: Optional equipment. Required with special Wrap-around Radiator Guards

ITEM PART NO. QTY. DESCRIPTION

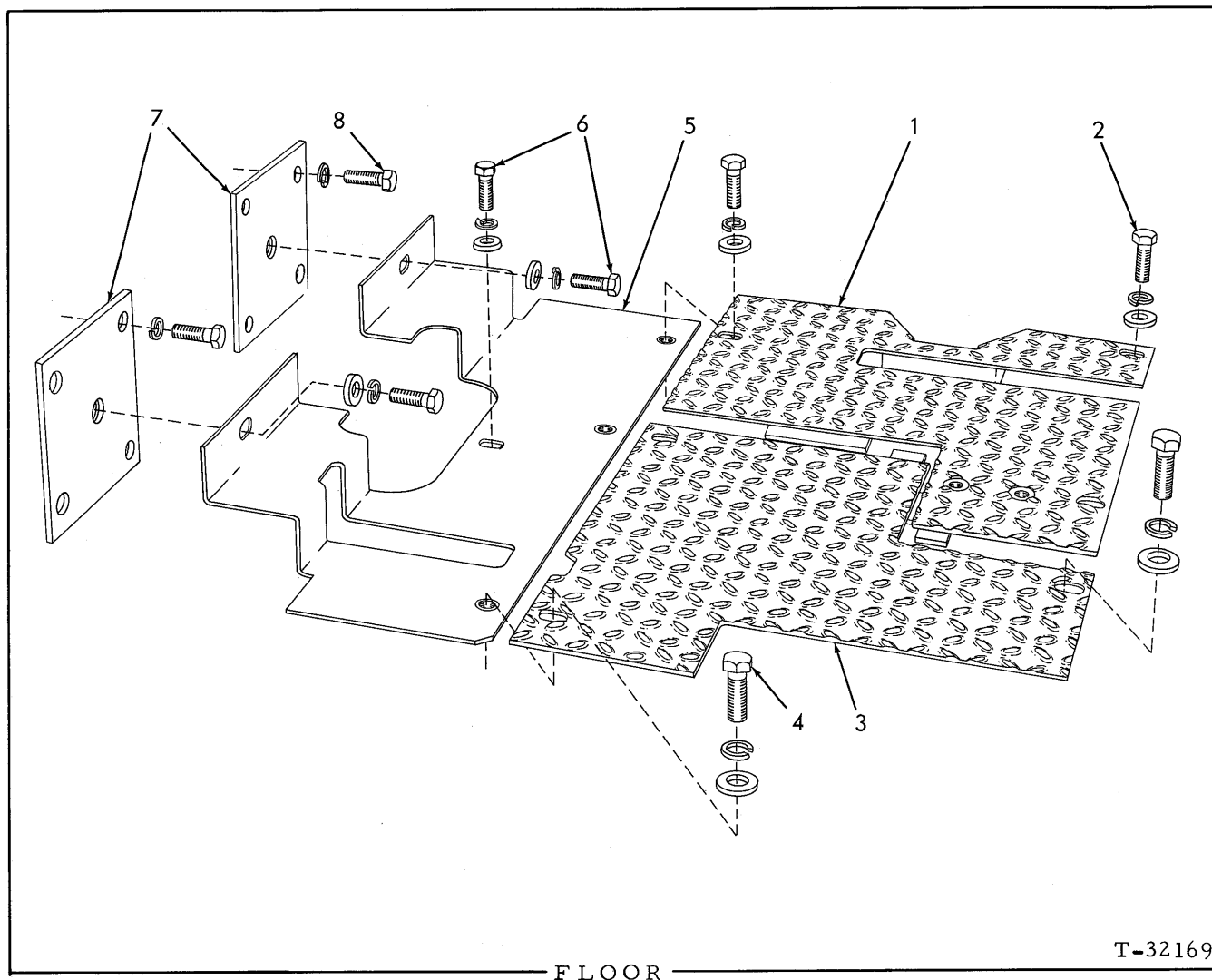
1	70630195	1	FENDER, left side
2	70915987	2	CAPSCREW, 1/2"NC x 1-1/2"
3	70064531	2	WASHER, plain
	70904208	2	LOCKWASHER, 1/2"
	70911028	2	NUT, 1/2"NC
4	70623820	1	CAPSCREW, Nylok, 1/2"NF x 1"
5	70630196	1	FENDER, right side
6	70623696	2	CAPSCREW, Nylok, 1/2"NF x 1-1/4" (Early units)
	70648253	2	CAPSCREW, Nylok, 1/2"NC x 1-1/4" (Late units)
7	70623820	1	CAPSCREW, Nylok, 1/2"NF x 1"
8	70648254	1	PLATE, nut, right fender



T-33385

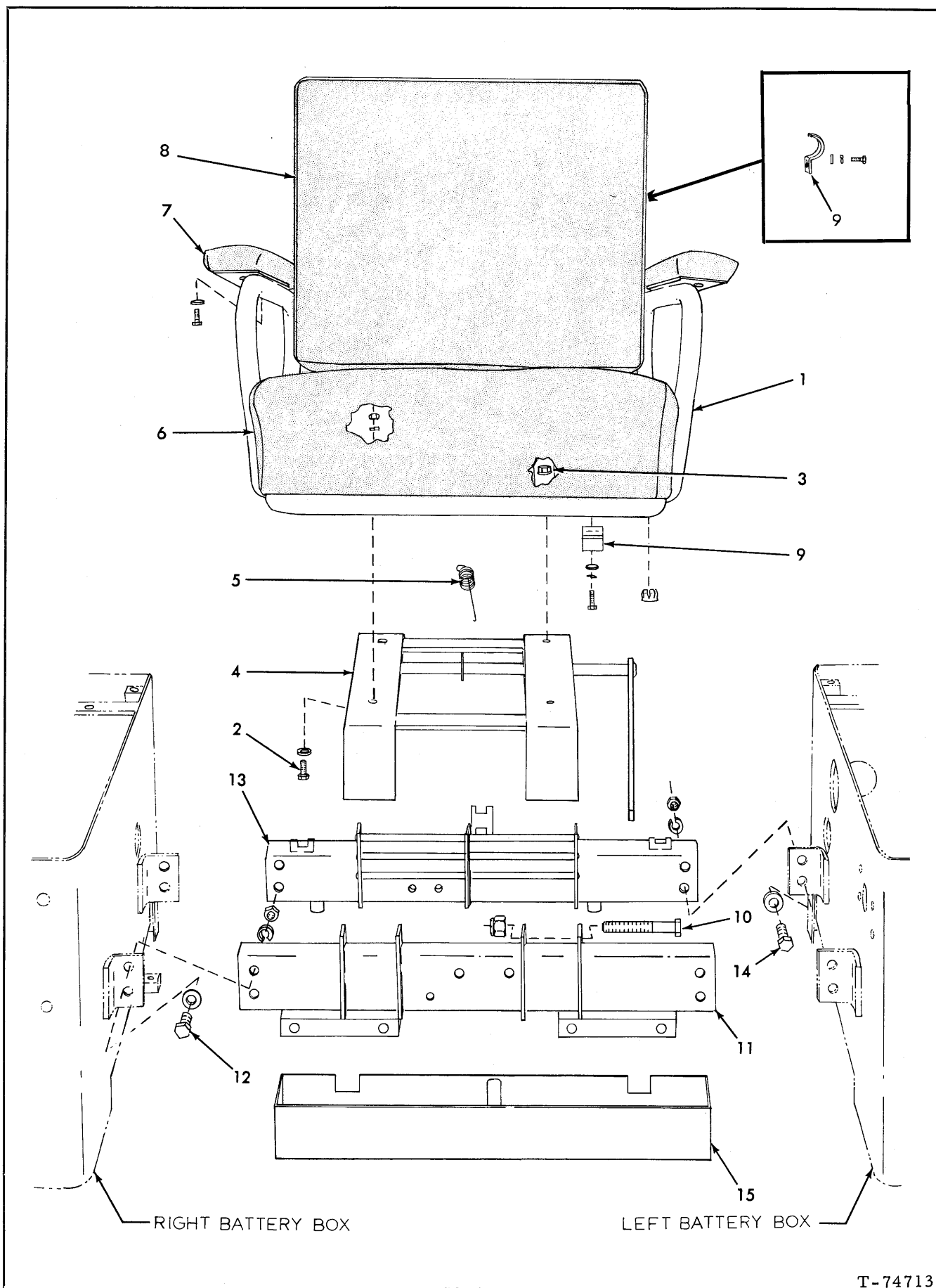
ITEM PART NO. QTY. DESCRIPTION

1	70648349	1	FENDER, left
2	{ 70916028	3	CAPSCREW, 1/2"NF x 1-3/4" (Early units)
	{ 70916313	3	CAPSCREW, 1/2"NC x 1-3/4" (Late units)
3	70916028	3	CAPSCREW, 1/2"NF x 1-3/4"
4	70920542	3	CAPSCREW, Nylok, 5/8"NC x 1-3/4"
5	70064531	6	WASHER, plain (1/2")
6	70064810	3	WASHER, plain (5/8")
	70904208	6	LOCKWASHER, 1/2"
	70904209	3	LOCKWASHER, 5/8"
7	70648350	1	FENDER, right
8	{ 70916028	3	CAPSCREW, 1/2"NF x 1-3/4" (Early units)
	{ 70916313	3	CAPSCREW, 1/2"NC x 1-3/4" (Late units)
9	70916028	3	CAPSCREW, 1/2"NF x 1-3/4"
10	70920542	3	CAPSCREW, Nylok, 5/8"NC x 1-3/4"
11	70064531	6	WASHER, plain (1/2")
12	70064810	3	WASHER, plain (5/8")
	70904208	6	LOCKWASHER, 1/2"
	70904209	3	LOCKWASHER, 5/8"



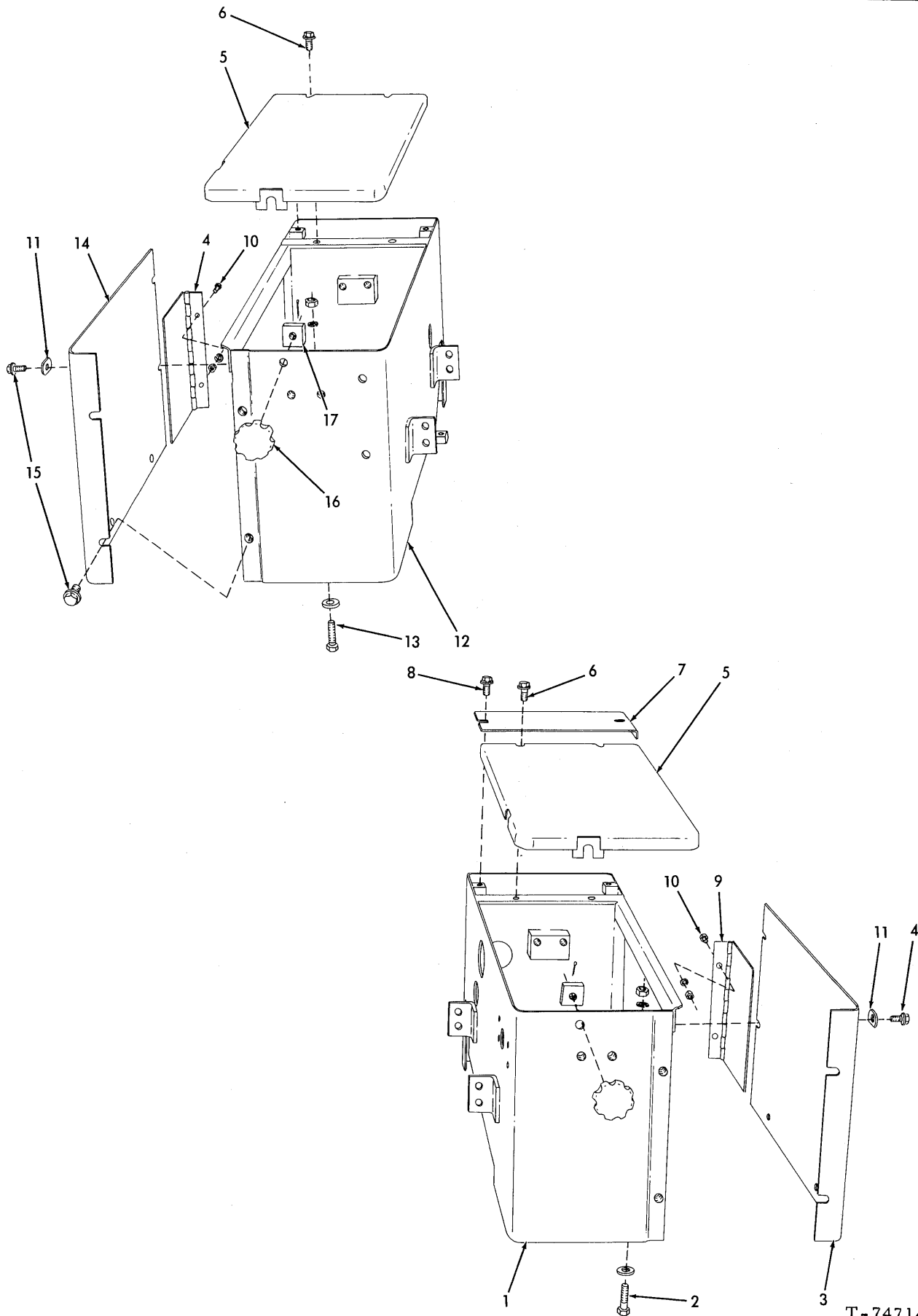
ITEM PART NO. QTY. DESCRIPTION

1	70648257	1	PLATE, front, left side
2	70916311	3	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	3	LOCKWASHER, 1/2"
	70064531	3	WASHER, plain
3	70648973	1	PLATE, front, right side
4	70916311	3	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	3	LOCKWASHER, 1/2"
	70064531	3	WASHER, plain
5	70628205	1	PLATE, rear
6	70916311	3	CAPSCREW, 1/2"NC x 1-1/4"
	70904208	3	LOCKWASHER 1/2"
	70064531	3	WASHER, plain
7	70624323	2	PLATE, floor supporting
8	70913249	4	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	4	LOCKWASHER, 1/2"



SEAT

ITEM	PART NO.	QTY.	DESCRIPTION		
1	70630344	1	FRAME, seat		
	70920434	4	PLUG, button, 27/32" hole-diam.		
2	70910505	2	CAPSCREW, 5/16"NF x 1"		
3	70927234	2	CAPSCREW, 5/16"NF x 1-1/4"		
	70904205	4	LOCKWASHER, 5/16"		
	70913636	4	NUT, 5/16"NF		
	70092665	4	WASHER, plain		
4	70097602	1	FRAME, seat supporting		
5	70045306	1	SPRING, seat retracting		
6	70659105	1	CUSHION, seat		
7	70620013	2	CUSHION, arm		
	70924956	4	CAPSCREW, pltd., 1/4"NF x 3/4"		
	70924958	4	LOCKWASHER, int-tooth, pltd., 1/4"		
8	70098401	1	CUSHION, back		
9	70098409	8	CLIP, cushion retaining		
	70916400	8	CAPSCREW, 1/4"NF x 3/4"		
	70904204	8	LOCKWASHER, 1/4"		
	70092635	8	WASHER, plain		
10	70097612	2	PIN, seat hinge	} Tractors prior to unit #23301	
	70910244	2			WASHER, plain, SAE std., 1/2"
	70900805	2			PIN, cotter, 1/8" x 3/4"
	70916320	2	CAPSCREW, 1/2"NC x 4"	} Tractors unit #23301 and up	
	70915972	2			NUT, elastic stop 1/2"
11	70624345	1	CHANNEL, seat supporting, front		
12	70916311	4	CAPSCREW, 1/2"NC x 1-1/4"		
	70064531	4	WASHER, plain		
	70904208	4	LOCKWASHER, 1/2"		
	70911028	4	NUT, 1/2"NC		
13	70648330	1	CHANNEL, seat supporting, rear		
14	70916311	4	CAPSCREW, 1/2"NC x 1-1/4"		
	70064531	4	WASHER, plain		
	70904208	4	LOCKWASHER, 1/2"		
	70911028	4	NUT, 1/2"NC		
15	70638543	1	BOX, tool (Used prior to tractor #16739)		
16	70657564	1	BELT, seat (Special equipment. Not illustrated)		



BATTERY BOXES

T-74714

BATTERY BOXES

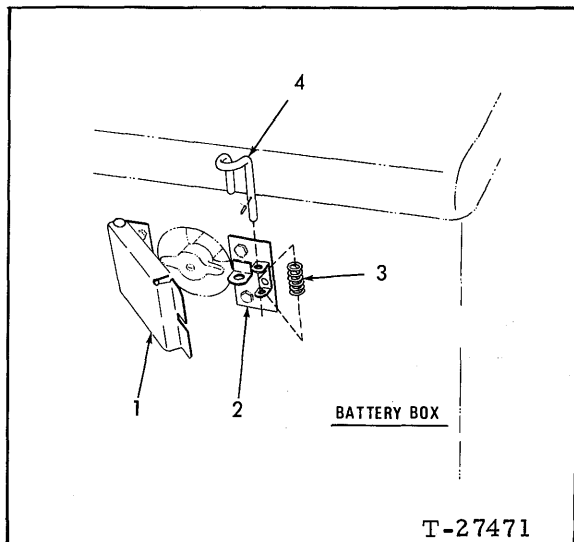
ITEM	PART NO.	QTY.	DESCRIPTION
1	70648359	1	BOX, left battery
2	70916313	4	CAPSCREW, 1/2"NC x 1-3/4"
	70064531	8	WASHER, plain
	70904208	4	LOCKWASHER, 1/2"
	70911028	4	NUT, 1/2"NC
3	70627337	1	COVER, side, left battery box
	70623820	6	CAPSCREW, nylok, 1/2"NF x 1" (Early units)
4	70919230	6	CAPSCREW, 1/2"NC x 1-3/8" } Late units
	70904208	6	LOCKWASHER, 1/2" }
	70064531	6	WASHER, plain }
5	70627253	2	COVER, top, battery box
	70623820	4	CAPSCREW, Nylok, 1/2"NF x 1" (Early units)
6	70919230	4	CAPSCREW, 1/2"NC x 1-3/8" } Late units
	70904208	4	LOCKWASHER, 1/2" }
	70064531	4	WASHER, plain }
7	70627285	1	COVER, top, left battery box, rear section
	70623820	2	CAPSCREW, Nylok, 1/2"NF x 1" (Early units)
8	70919230	2	CAPSCREW, 1/2"NC x 1-3/8" } Late units
	70904208	2	LOCKWASHER, 1/2" }
	70064531	2	WASHER, plain }
9	70628837	2	DOOR, filter compartment
10	70036032	4	CAPSCREW, 3/8"NF x 3/4"
	70904206	4	LOCKWASHER, 3/8"
	70911041	4	NUT, 3/8"NF
11	70628838	2	LATCH, filter compartment door
12	70670624	1	BOX, right battery
13	70916313	4	CAPSCREW, 1/2"NC x 1-3/4"
	70064531	8	WASHER, plain
	70904208	4	LOCKWASHER, 1/2"
	70911028	4	NUT, 1/2"NC
14	70627338	1	COVER, side, right battery box
15	70623820	6	CAPSCREW, Nylok, 1/2"NF x 1" (Early units)
	70648294	6	CAPSCREW, Nylok, 1/2"NC x 1" (Late units)
16	70624487	2	KNOB, retaining, battery box cover
	70900805	2	PIN, cotter, 1/8" x 3/4"
17	70627375	2	BLOCK, tapped, cover retaining

NOTE: See PAINTING AND MARKING for transfers and instruction plates applied to battery boxes.

MASTER SWITCH COVER

ITEM PART NO. QTY. DESCRIPTION

1	70620445	1	COVER (Special equipment prior to Tractors unit #23356 - Standard equipment thereafter)	
2	70620448	1	PLATE, cover latching	} Special equipment prior to tractor unit #23356
3	70035916	1	SPRING, latching rod	
4	70621201 70916146	1 1	ROD, latching PIN, roll, 3/32" x 1/2"	
5	70928052	1	PADLOCK (Not illustrated)	



PAINTING AND MARKING
(Not Illustrated)

ITEM PART NO. QTY. DESCRIPTION

NOTE: Approximately 2-1/2 gallons required for spraying one coat

- | | | | | |
|---|---|----------|---|---|
| 1 | { | 70921094 | - | ENAMEL, persian orange, quart can |
| | | 70925109 | - | ENAMEL, yellow, quart can |
| 2 | { | 70921093 | - | ENAMEL, persian orange, gallon can |
| | | 70925110 | - | ENAMEL, yellow, gallon can |
| 3 | { | 70921092 | - | ENAMEL, persian orange, 12 oz. pressurized spray-type can |
| | | 70925108 | - | ENAMEL, yellow, 12 oz. pressurized spray-type can |

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

- | | | | | |
|----|---|-----------|---|---|
| 4 | { | 70 628687 | 1 | PLATE, lubrication and service guide (7" x 10")(Attached to left battery box) |
| | | 70034076 | 4 | SCREW, thread-cutting, #8 x 1/2" |
| | | 70631689 | 1 | PLATE, lubrication and service guide (Multi-language, 7" x 12") (Attached to left battery box) |
| | | 70034076 | 6 | SCREW, thread-cutting, #8 x 1/2" |
| 5 | | 70621357 | 1 | TRANSFER, lubrication certification (3-7/8" x 6-3/4")(Applied to right battery box) |
| 5A | | 70666497 | 1 | ☒TRANSFER, instruction, engine operation (2-1/4" x 4-1/2")(Applied to dash) |
| 6 | | 70 621342 | 1 | ☒☐TRANSFER, instruction, engine primer (1-3/4" x 6")(Applied to dash) |
| 7 | { | 70633384 | 1 | ☒TRANSFER, instruction, air heater operation (2" x 6")(Applied to dash) |
| | | 70074579 | 1 | *TRANSFER, instruction, air heater operation (Spanish translation, 2" x 6")(Applied to dash) |
| 8 | { | 70658690 | 1 | ☐TRANSFER, instruction, oil-bath air cleaner (2-1/4" x 3-3/4") (Applied to "United" air cleaner) |
| | | 70656642 | 1 | ☐TRANSFER, instruction, oil-bath air cleaner (1-1/2" x 3-3/4") (Applied to "Donaldson" air cleaner) |
| | | 70074578 | 1 | *TRANSFER, instruction, oil-bath air cleaner (Spanish translation, 1-5/8" x 4")(Applied to "United" air cleaner) |
| 9 | | 70656986 | 1 | ☐TRANSFER, instruction, dry-type air cleaner (2-1/4" x 3-3/4") (Applied to air inlet tube) |
| 10 | { | 70658684 | 1 | ☐TRANSFER, instruction, air pre-cleaner (2-1/2" x 3-3/4")(Applied to pre-cleaner on units with "United" oil-bath air cleaner only) |
| | | 70074577 | 1 | *TRANSFER, instruction, air pre-cleaner (Spanish translation, 1-5/8" x 4")(Applied to pre-cleaner on units with "United" oil bath air cleaner only) |
| 11 | | 70651894 | 1 | TRANSFER, instruction, air cleaner cartridge replacement (1-5/16" x 2-7/16")(Applied to air restriction indicator on units with dry-type air cleaner) |

* Indicates permanent-type transfer. See item 29

(Continued)

PAINTING AND MARKING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
12	70623097	1	☒TRANSFER, instruction, engine oil filter (2-1/4" x 3-1/4") (Applied to filter)
	70632388	1	TRANSFER, instruction, engine oil filter (Multi-language, 4" x 4-3/4")(Applied to filter)
13	70644625	1	☒☐TRANSFER, instruction, fuel filter(1-3/4"x2-1/4")(Applied to first stage fuel filter)
	70623389	1	TRANSFER, instruction, fuel filter (Multi-language, 2-3/4" x 3-1/4")(Applied to first stage fuel filter)
14	70644593	1	☒☐TRANSFER, instruction, fuel filter (1-3/4" x 2-1/4")(Applied to second stage fuel filter)
	70632390	1	TRANSFER, instruction, fuel filter (Multi-language, 1-3/4" x 5-1/2")(Applied to second stage fuel filter)
15	70632227	2	☒TRANSFER, instruction, steering system filter (1-3/4" x 2-1/4")(Applied to FILTER ASSEMBLY 70631512)
16	70629205	1	☒TRANSFER, warning, power steering and brakes (1-3/4" x 3-1/2")(Applied to dash)
17	70621399	1	TRANSFER, warning, special heavy-duty oil filter (Includes Portuguese translation, 2" x 10")(Applied to filter)
	70621400	1	TRANSFER, warning, special heavy-duty oil filter (French and Spanish translations, 2" x 10")(Applied to filter)
18	70682968	1	☒TRANSFER, warning, seat left (2" x 3")(Applied to dash)
19	70683962	1	TRANSFER, warning, neutral creep (2" x 4-1/2")(Applied to dash)
20	70694790	1	TRANSFER, warning, ROPS (2-1/2" x 6")(Applied to rear of ROPS frame or Cab)
21	70924550	1	☐TRANSFER, "ALLIS-CHALMERS" (1-7/8" x 30")
	70694435	1	☒TRANSFER, "FIAT-ALLIS" (2-1/2" x 16-13/16")
22	70924548	1	☐TRANSFER, "ALLIS-CHALMERS" (1-1/4" x 20")
	70694435	1	☒TRANSFER, "FIAT-ALLIS" (2-1/2" x 16-3/16")
23	70924549	2	☐TRANSFER, "ALLIS-CHALMERS" (1-5/8" x 27")
	70694435	2	☒TRANSFER, "FIAT-ALLIS" (2-1/2" x 16-13/16")
24	70661223	3	☐TRANSFER, "HD6 (Applied to sides of seat and rear of fuel tank)
	70694653	2	☒TRANSFER, HD6 (Applied to sides of battery box)(Late units)
25	70924319	1	☐TRANSFER, A-C trademark (4-7/8", black and orange)
	70924540	1	TRANSFER, A-C trademark (4-7/8", white)(Optional)

(Continued)

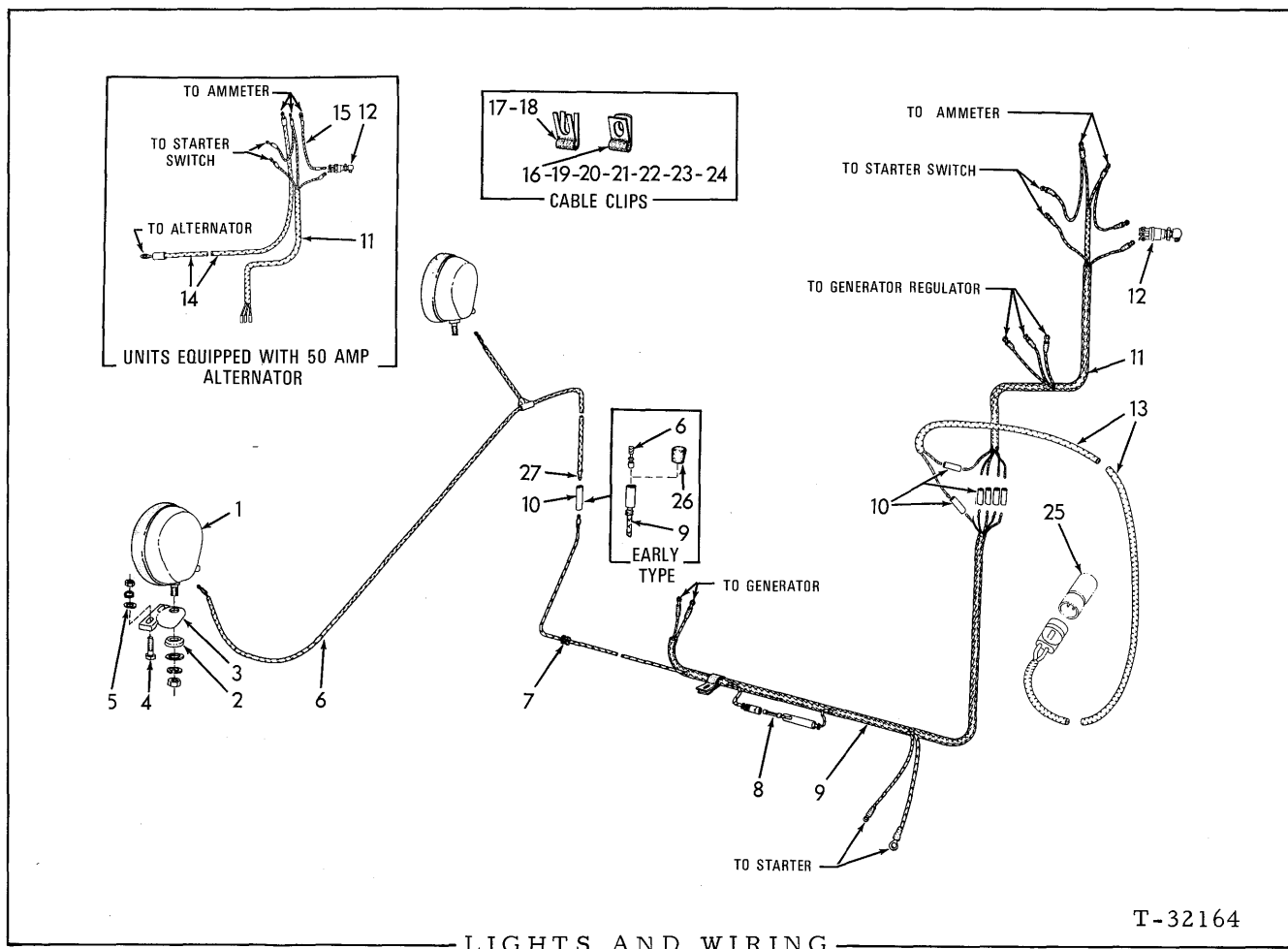
PAINTING AND MARKING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
26	70924305	2	☐ TRANSFER, "A-C" trademark(5-5/8", black and orange)
	70924462	2	TRANSFER, "A-C" trademark(5-5/8", white)(Optional)
	70694421	2	☒ TRANSFER, "F-A" trademark(6" x 6-13/16"
27	70651983	1	TRANSFER KIT (Includes items 6, 8 thru 10, 13, 14 and 20 thru 25)
28	70695333	1	TRANSFER KIT (Includes items 5A thru 7, 12 thru 16, 20 thru 23 and 25)
29	70067937	-	CEMENT, transfer application, 1/2" pt. jar (Makes solution by adding 4 parts water. Required to apply transfers indicated by asterisk(*) above)

Applied
to sides
of radiator
guard

☐Indicates components of item 26

☒Indicates components of item 27



*Units with standard radiator shell
 **Units with optional wrap-around radiator guards

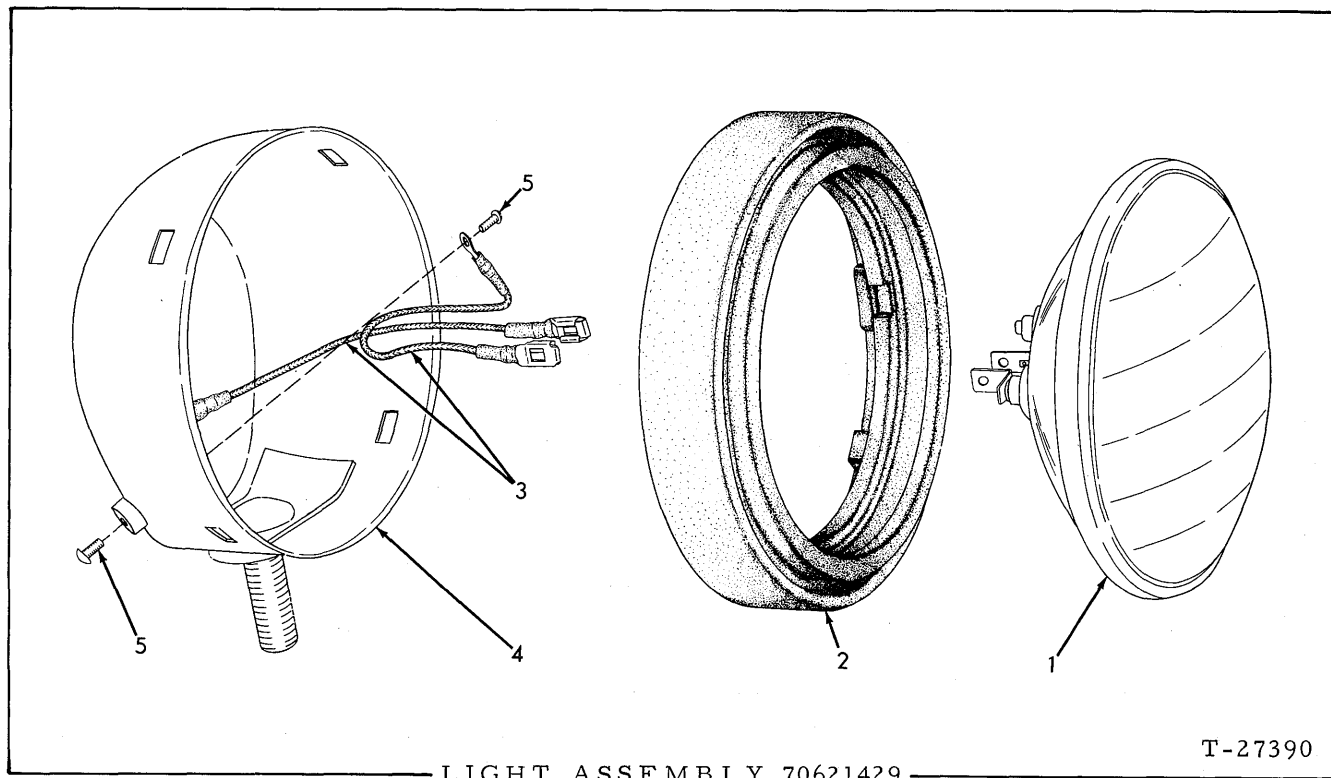
ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
1	70638283	2	ΔLIGHT ASSY., head (See page 265)(Early units)
	70621429	2	ΔLIGHT ASSY., head (See page 264)(Late units)
	70900818	2	ΔWASHER, plain, U.S. std., 1/2"
	70904208	2	ΔLOCKWASHER, 1/2"
	70911043	2	ΔNUT, 1/2"NF
2	70075535	2	ΔWASHER, head light mounting
3	70075429	-	BRACKET, head light
4	70916273	-	CAPSCREW, 3/8"NC x 1-3/4"
5	70044973	-	WASHER, plain
	70904206	-	LOCKWASHER, 3/8"
	70911026	-	NUT, 3/8"NC
6	70088540	1	ΔCABLE, head light, front section (For tractors prior to #21258 with lights mounted inside radiator guard)
	70098777	-	ΔCABLE, head light, front section (For tractors prior to #21258 with lights mounted on top of radiator guard)
	70666997	1	ΔCABLE, head light, front section (Tractors #21258 and up)

(Continued)

LIGHTS AND WIRING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
7	70044810	1 1	GROMMET, head light cable (2 additional used with lights mounted on top of radiator guard)
8	70208960	1 1	FUSE, cartridge type, 1/4" x 1-1/4", 20 amperes
9	70097860	1 1	HARNESS, wiring, front section (Tractors prior to #21258)
	70666998	1 1	HARNESS, wiring, front section (Includes item 8)(Tractor #21258 and up)(Units equipped with generator)
	70678448	1 1	HARNESS, wiring, front section)(Includes item 8)(Units equipped with 50 amp alternator)
10	70048142	7 7	CONNECTOR, wiring harness (1-line)(One (1) less used on Tractors prior to #21258)
11	70628432	1 1	HARNESS, wiring, rear section (Tractors equipped with oil-bath air cleaner)
	70098916	1 1	HARNESS, wiring, rear section (Tractors equipped with dry-type air cleaner)
	70678449	1 1	HARNESS, wiring rear section (Units equipped with 50 amp alternator)
12	70661345	1 1	SWITCH ASSY. (Includes mounting nuts)
13	70628735	1 1	HARNESS, wiring, safety switch (Tractors prior to unit #24030)
	70671040	1 1	HARNESS, wiring, safety switch (Tractors unit #24030 and up)
14	70678453	1 1	CABLE, alternator to ammeter (50" long)
15	70051006	1 1	WIRE, ammeter to light switch
16	70097534	2 2	CLIP, (7/8" diam., 13/32" Bolt-slot)
	70640676	2 2	CLIP, (5/16" diam., 13/32" Bolt-slot)
	70922300	2 2	CAPSCREW, 3/8"NC x 3/4"
	70677006	2 2	WASHER, plain
	70911026	2 2	NUT, 3/8"NC
17	70639312	2 2	CLIP, head light cable (3/16" diam., 9/16" Bolt-slot)
18	70639313	2 2	CLIP, front wiring harness (3/16" diam., 13/32" Bolt-slot)
19	70640677	3 3	ΔCLIP, head light cable (1/4" diam., 13/32" Bolt-hole)
	70915408	3 3	ΔCAPSCREW, 3/8"NC x 3/4"
	70904206	3 3	ΔLOCKWASHER, 3/8"
	70911026	3 3	ΔNUT, 3/8"NC
20	70641566	2 2	CLIP, wiring harness (3/8" diam., 9/32" Bolt-hole)(Units equipped with generator)
21	70639314	1 1	CLIP, wiring harness (3/8" diam., 13/32" Bolt-hole)
22	70094527	1 1	CLIP, wiring harness (1/2" diam., 13/32" Bolt-hole)
23	70640674	3 3	CLIP, wiring harness (5/16" diam., 9/32" Bolt-hole)
	70915343	2 2	CAPSCREW, 1/4"NC x 5/8"
	70911114	2 2	WASHER, plain, SAE std., 1/4"
	70904204	2 2	LOCKWASHER, 1/4"
	70911024	2 2	NUT, 1/4"NC
24	70094422	1 1	CLIP, wiring harness (5/8" diam., 13/32" Bolt-hole)
	70915408	1 1	CAPSCREW, 3/8"NC x 3/4"
	70904206	1 1	LOCKWASHER, 3/8"
	70911026	1 1	NUT, 3/8"NC
25	-----	- -	SWITCH, safety (See SPEED SHIFT)
26	70638243	1 1	TIP, head light cable (rubber)(Used only on early units without headlights)
27	70639068	1 1	TERMINAL, cable ("Douglas" snap type)(Use to convert cables with old bayonet type connections. See items 6 and 9)

ΔItems indicated above are optional equipment



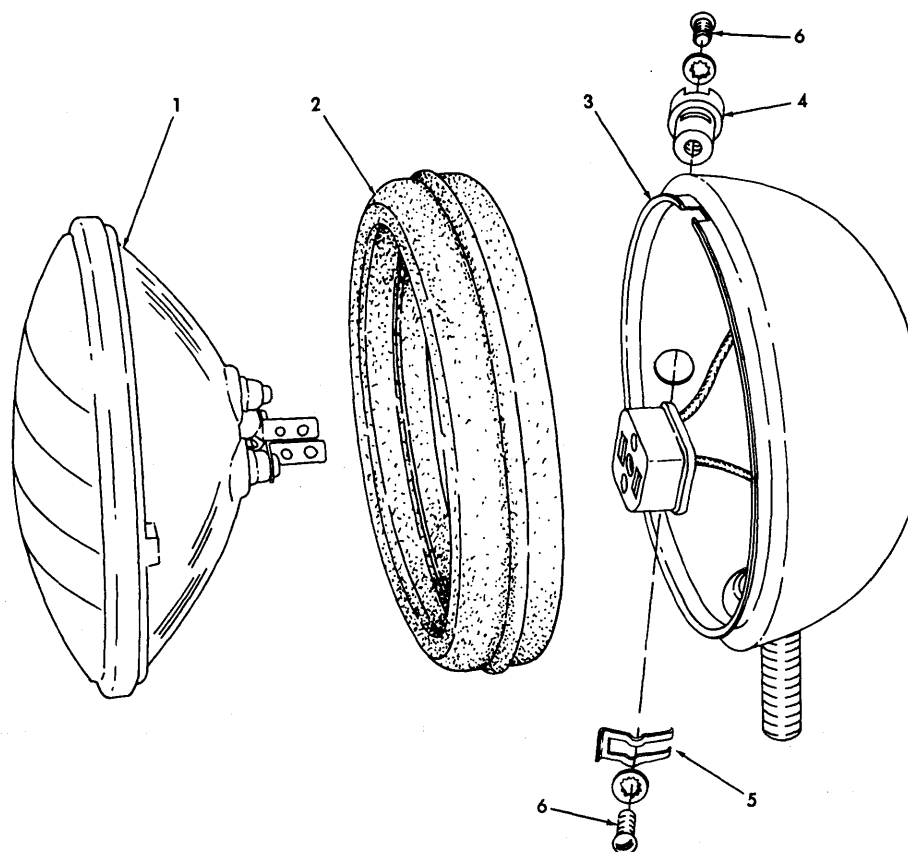
LIGHT ASSEMBLY 70621429

USAGE: See page 262, 266 and 267

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

NOTE: Quantities indicated are for one (1) light only

1	70182763	1	SEALED BEAM (24 volt)
2	70621428	1	RETAINER (rubber)
3	70621724	2	CABLE, sealed beam (Includes terminals)
4	-----	1	BODY ASSY. (Not serviced separately)
5	70912731	2	SCREW, terminal (#8-32 NC x 5/16")



LIGHT ASSEMBLY 70638283

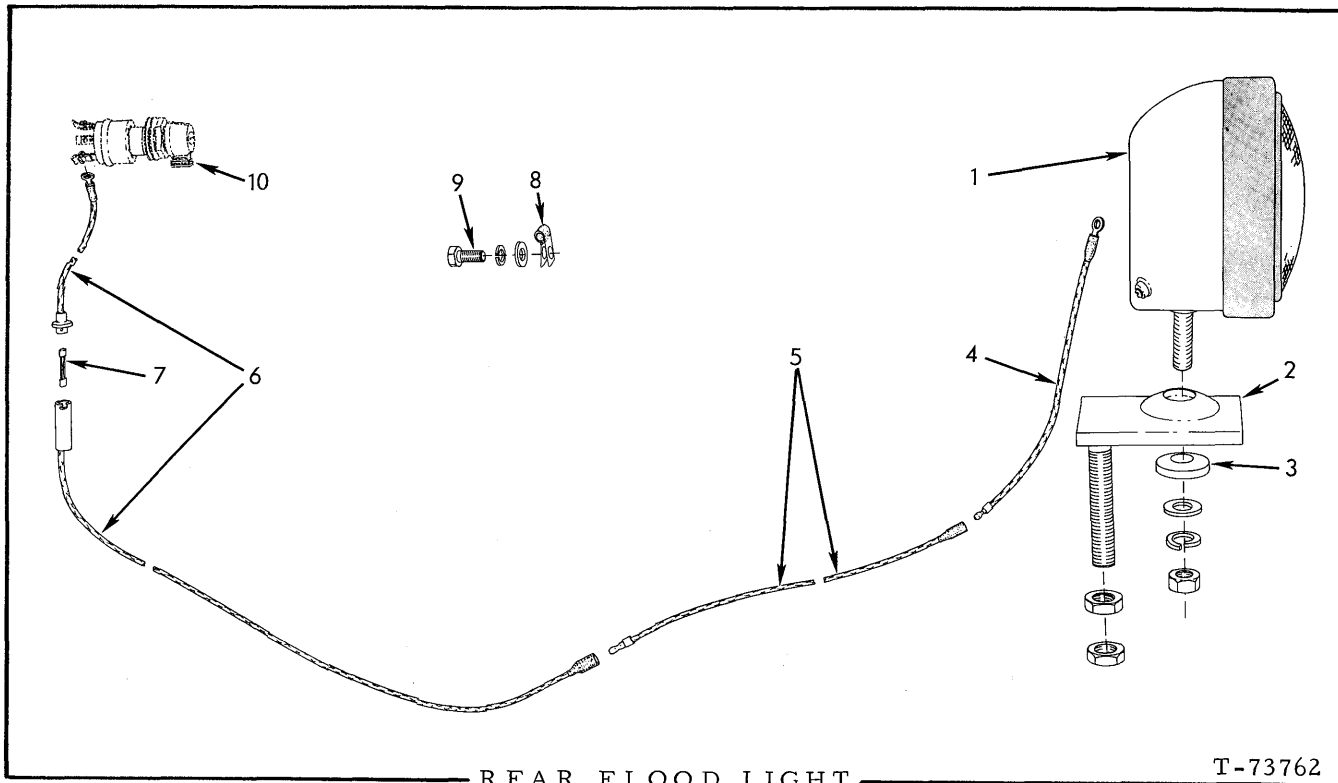
T-38214

USAGE: See pages 262 and 266

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

NOTE: Quantities indicated below are for one (1) light only

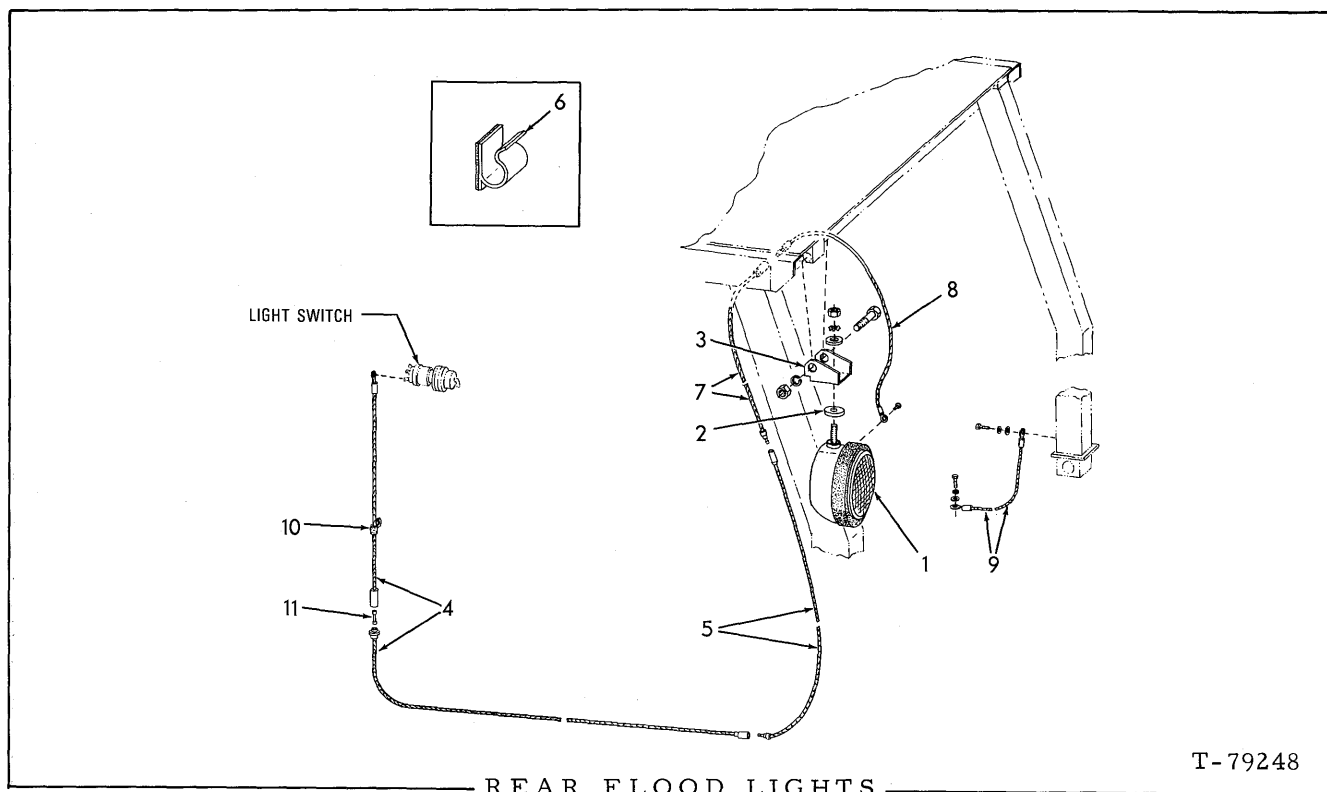
1	70182763	1	SEALED BEAM (24 volt)
2	70638282	1	RING, retaining (rubber)
3	-----	1	BODY ASSY. (Includes wiring. Not serviced separately)
4	70055589	1	TERMINAL KIT (Includes items 5 and 6)
5	70048922	1	SPRING, retaining, terminal bushing
6	70912731	2	SCREW, terminal (#8-32 NC x 5/16")
	70912739	2	LOCKWASHER, internal teeth, #8



USAGE: Special equipment

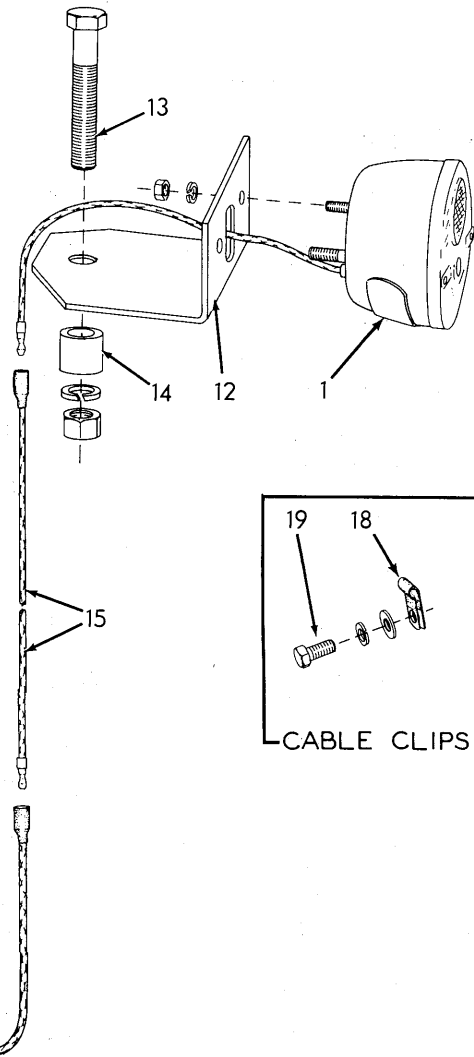
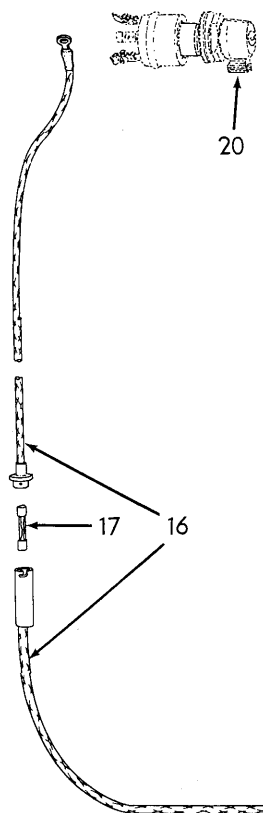
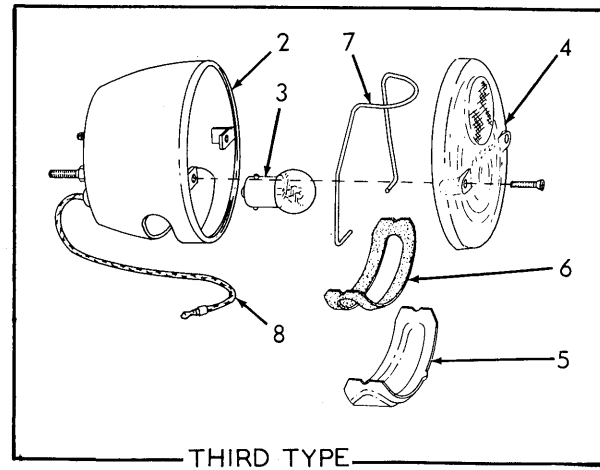
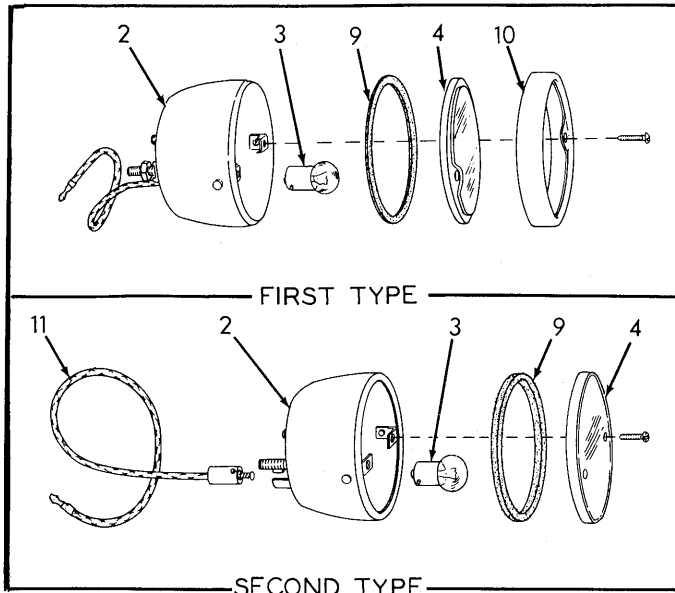
ITEM PART NO. QTY. DESCRIPTION

1	70638283	1	LIGHT ASSEMBLY (See page 265 for parts) (Early units)
	70621429	1	LIGHT ASSEMBLY (See page 264 for parts) (Late units)
	70900818	1	WASHER, plain, U.S. std., 1/2"
	70904208	1	LOCKWASHER, 1/2"
	70911043	1	NUT, 1/2"NF
2	70094630	1	BRACKET, mounting
	70911044	2	NUT, 5/8"NF
3	70075535	1	WASHER, mounting
4	70068367	1	CABLE, rear section (9" long)
5	70656152	1	CABLE, intermediate section (19" long)
6	70655438	1	CABLE ASSEMBLY, front section (114" long. Includes item 7)
7	70208960	1	FUSE, cartridge type, 1/4" x 1-1/4", 20 amperes
8	70639388	3	CLIP, cable supporting (1/8" diam., 13/32" bolt-hole)
	70640704	3	CLIP, cable supporting, (1/8" diam., 17/32" bolt-hole)
9	70915408	3	CAPSCREW, 3/8"NC x 3/4"
	70904206	3	LOCKWASHER, 3/8"
	70911115	3	WASHER, plain, SAE std., 3/8"
10	-----	1	SWITCH (See LIGHTS AND WIRING)



USAGE: Special equipment. Units with ROPS CAB or CANOPY.

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	LIGHT ASSY. (See page 264)
	70910210	1	LOCKWASHER, external tooth, 1/2"
	70677008	1	WASHER, plain
	70911043	1	NUT, 1/2"NF
2	70061528	1	BOSS
3	70076140	1	BRACKET, pivot
	70928043	1	CAPSCREW, 5/8"NC x 3-1/2"
	70912942	1	LOCKWASHER, 5/8"
	70911029	1	NUT, 5/8"NC
4	70655438	1	CABLE, (114" long) (Includes item 11)
5	70656152	1	CABLE, (19" long)
6	73059884	10	CLIP, cable supporting (Adhesive backing)
7	70655487	1	CABLE, (60" long)
8	70068367	1	CABLE, (9" long)
9	70093176	1	CABLE, (10" long)
	70922300	2	CAPSCREW, 3/8"NC x 3/4"
	70906960	2	LOCKWASHER, internal tooth, 3/8"
	70677006	2	WASHER, plain
10	70640704	2	CLIP, cable supporting
11	70208960	1	FUSE, cartridge type (1/4" x 1-1/4", 20 amp)



TAIL LIGHT

T-73761

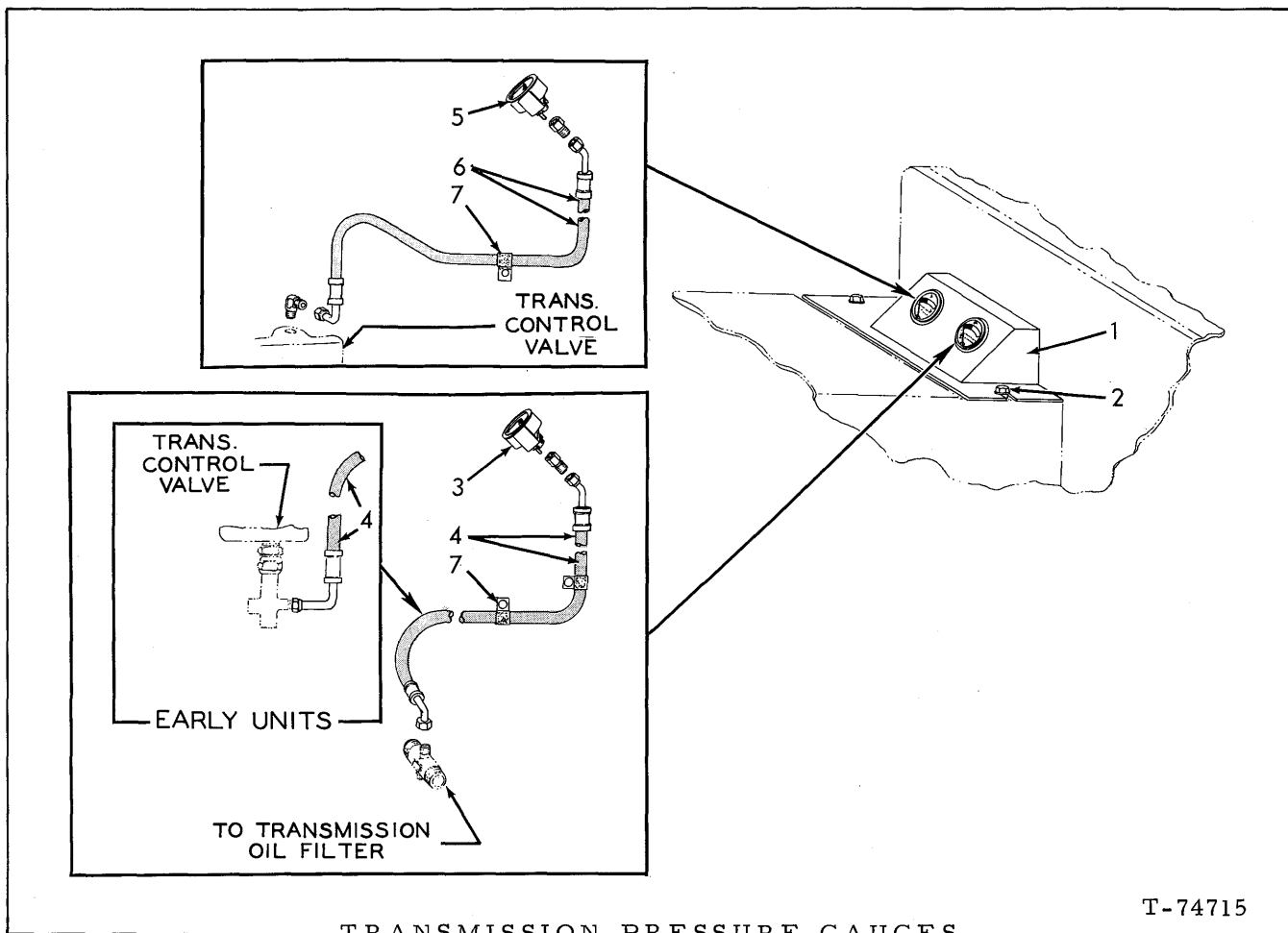
TAIL LIGHT

USAGE: Special equipment

* Used prior to September 1961
 ** Used September 1961 thru May 1967
 *** Effective June 1967

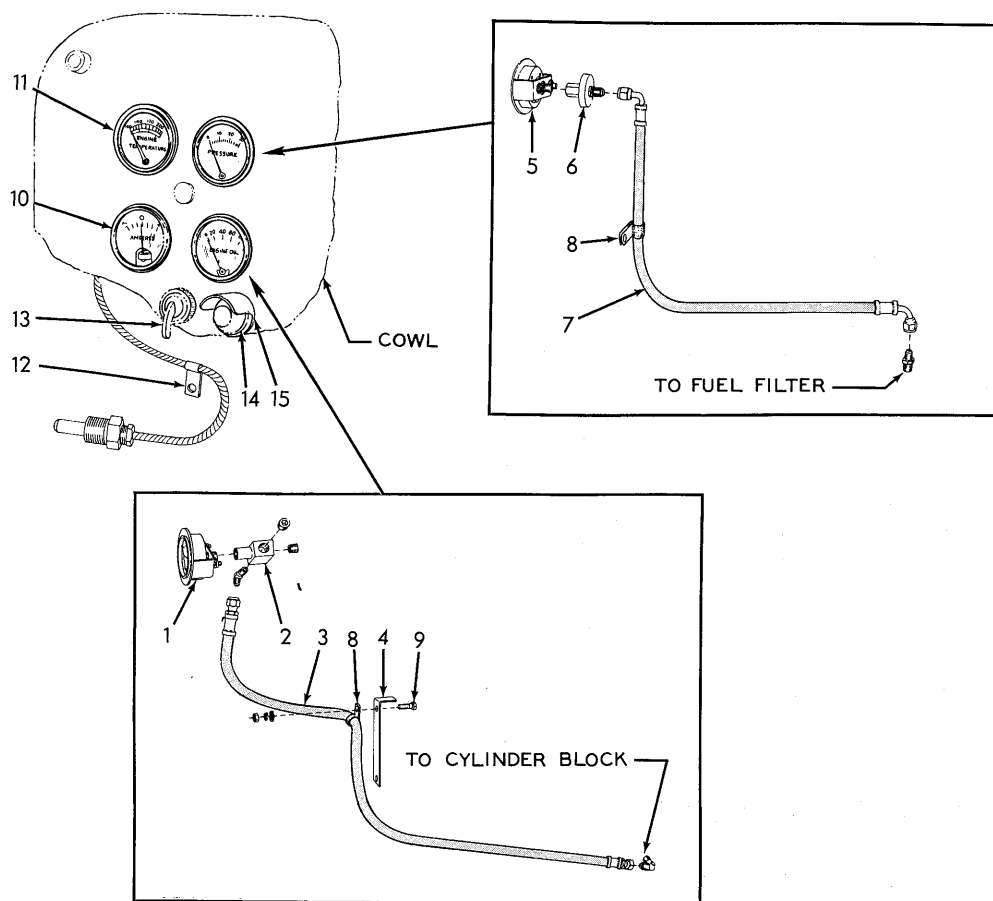
ITEM	PART NO.	QUANTITY			DESCRIPTION
		*	**	***	
1	-----	1	-	-	LIGHT ASSEMBLY, tail (Order LIGHT ASSEMBLY 70654652)
	-----	-	1	-	LIGHT ASSEMBLY, tail (Order LIGHT ASSEMBLY 70654652)
	70654652	-	-	1	LIGHT ASSEMBLY, tail (Consists of items 2 thru 8)
	70904204	2	2	2	LOCKWASHER, 1/4"
	70911024	2	2	2	NUT, 1/4"NC
2	-----	1	1	1	BODY ASSEMBLY (Not serviced separately)
3	70074452	1	1	1	BULB, incandescent, single contact, 6 c. p., 24 volt
4	70068405	1	-	-	LENS, tail light (3-1/2" O. D.)
	-----	-	1	-	LENS, tail light (3-11/16" O. D.)(Discontinued)
	70917883	-	2	-	SCREW, thread-cutting, rd-hd., #8 x 5/8"
	70654991	-	-	1	LENS, tail light (red)
	70654990	-	-	2	SCREW, retaining
5	70654988	-	-	1	LENS-SEGMENT, tail light (clear)
6	70654989	-	-	1	GASKET, lens-segment
7	70654987	-	-	1	CLIP, lens-segment retaining
8	70654986	-	-	1	WIRE ASSEMBLY, tail light (Includes insulating bushing)
9	70068399	1	-	-	GASKET, tail light lens (1/16" thick)
	70629189	-	1	-	GASKET, tail light lens (3/16" thick)
10	70068404	1	-	-	DOOR, tail light
	70917883	2	-	-	SCREW, thread-cutting rd-hd., #8 x 5/8"
11	-----	-	1	-	CABLE ASSEMBLY, tail light (Discontinued)
12	70067110	1	1	1	BRACKET, mounting
13	70066862	1	1	1	CAPSCREW, 5/8"NF x 4"
	70904209	1	1	1	LOCKWASHER, 5/8"
	70911044	1	1	1	NUT, 5/8"NF
14	70067112	1	1	1	BLOCK, spacing, mounting bracket
15	70656152	1	1	1	CABLE, rear section (19" long)
16	70655438	1	1	1	CABLE ASSEMBLY, front section (114" long. Includes item 17)
17	70208960	1	1	1	FUSE, cartridge type, 1/4" x 1-1/4", 20 amperes
18	70639388	3	3	3	CLIP, cable supporting (1/8" diam., 13/32" bolt-hole)
	70640704	3	3	3	CLIP, cable supporting (1/8" diam., 17/32" bolt-hole)
19	70915408	3	3	3	CAPSCREW, 3/8"NC x 3/4"
	70904206	3	3	3	LOCKWASHER, 3/8"
	70911115	3	3	3	WASHER, plain, SAE std., 3/8"
20	-----	1	1	1	SWITCH (See LIGHTS AND WIRING)

MEMO



TRANSMISSION PRESSURE GAUGES

ITEM	PART NO.	QTY.	DESCRIPTION
1	70627291	1	PANEL, mounting
	70623820	2	CAPSCREW, Nylok, 1/2"NF x 1" (Early units)
	70919230	2	CAPSCREW, Nylok, 1/2"NC x 1-3/8"
2	70904208	2	LOCKWASHER, 1/2"
	70064531	2	WASHER, plain
3	70676402	1	GAUGE, transmission hydraulic pressure (Includes mounting clamp)
4	70644881	1	HOSE, hydraulic pressure gauge (See HOSE PARTS)(Used prior to tractor #18380)
	70648310	1	HOSE, hydraulic pressure gauge (See HOSE PARTS)(Effective with tractor #18380)
	70919174	1	CONNECTOR, flare type, 1/4" tube 1/8"NPT female
5	70658204	1	GAUGE, transmission lubricating oil pressure (Includes mounting clamp)
6	70644882	1	HOSE, lubricating oil pressure gauge (See HOSE PARTS)
	70919174	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT female
	70919173	1	ELBOW, flare type, 1/4" tube, 1/8"NPT male
7	70644006	5	CLIP, hose supporting
	70927354	1	CAPSCREW, 3/8"NF x 7/8"
	70922262	2	CAPSCREW, 3/8"NC x 7/8"
	70677006	3	WASHER, plain, SAE std., 3/8"
	70911026	1	NUT, 3/8"NC



INSTRUMENTS

T-32168

ITEM	PART NO.	QTY.	DESCRIPTION
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NOTE: Also see page 271 for transmission pressure gauges.

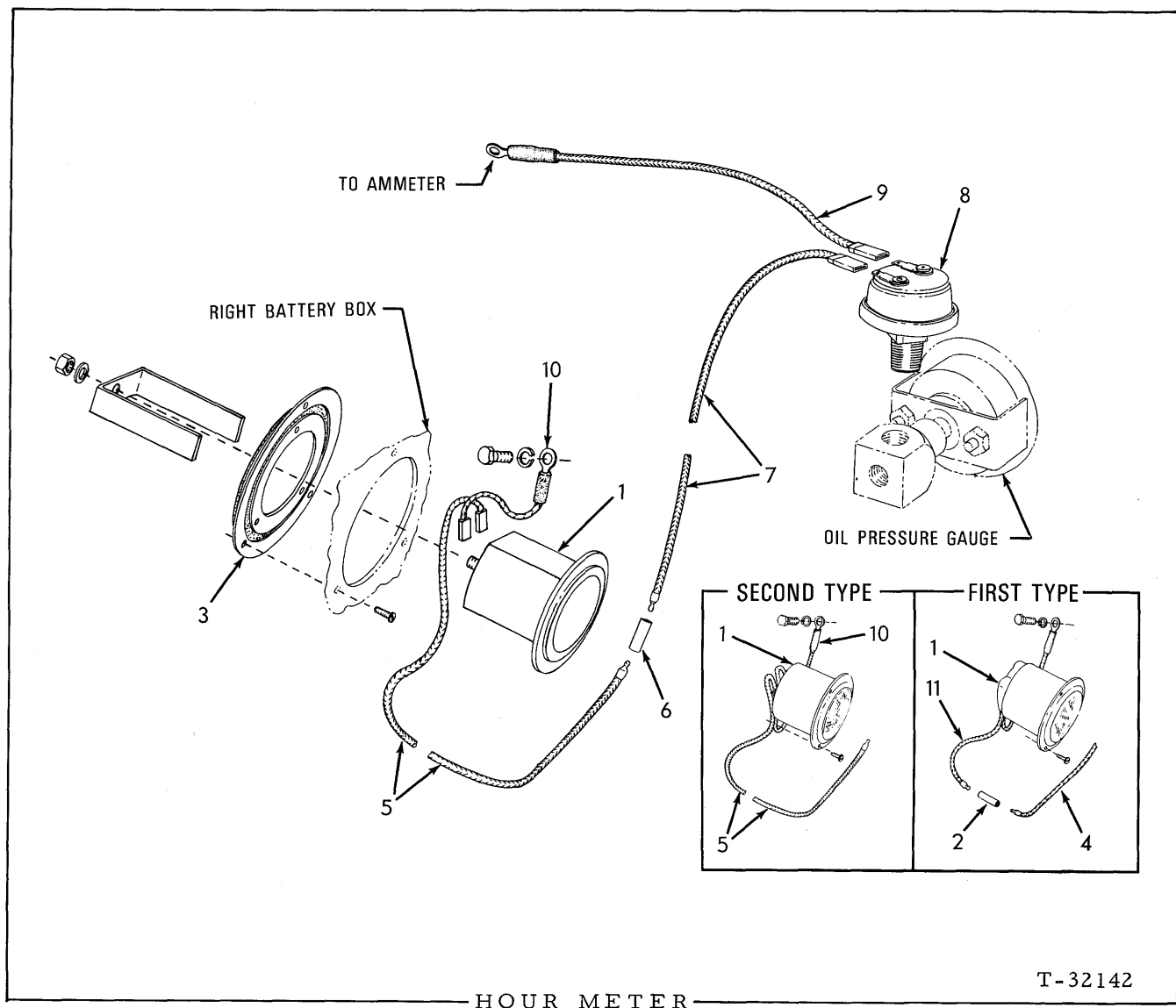
1	70658293	1	GAUGE, engine oil pressure (Includes mounting clamp)
2	70094450	1	TEE, engine oil gauge line
	70910231	1	PLUG, pipe, hex-socket, 1/8"NPT
	70907859	1	PLUG, pipe, hex-socket, 1/4"NPT (Not used when Hour Meter is installed)
3	70644880	1	HOSE, oil pressure gauge (See HOSE PARTS)
	70919464	1	ELBOW, flare type, 45°, 1/4" tube, 1/8"NPT male
	70919173	1	ELBOW, flare type, 90°, 1/4" tube, 1/8"NPT male (Not used on tractors equipped with Heavy-Duty Oil filter)
	70919171	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male (Replaces std. Elbow 70919173 at cylinder block on tractors equipped with Heavy-Duty Oil Filter)
4	70088435	1	BRACKET, hose supporting
5	70658349	1	GAUGE, fuel pressure (Includes mounting clamp)(Tractors prior to unit #24589)
	70921193	1	PLUG, button (Not illustrated)(Tractors unit #24589 and up)

(Continued)

INSTRUMENTS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
6	70088534	1	RESTRICTOR, pressure gauge line (Used prior to tractor #20211)
	70919174	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT female (Effective with tractor #20211 thru unit #24588)
7	70644329	1	HOSE, fuel pressure gauge (See HOSE PARTS)
	70919171	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
8	70644006	2	CLIP, hose supporting ((1) less used on Tractors unit #24589 and up)
9	70922262	1	CAPSCREW, 3/8"NC x 7/8"
	70677006	1	WASHER, plain
	70911026	1	NUT, 3/8"NC
10	70658348	1	AMMETER (Includes mounting clamp)(Units equipped with generator)
	70658534	1	AMMETER (Includes mounting clamp)(Units equipped with 50 amp alternator)
11	70658423	1	GAUGE, engine temperature (Includes mounting clamp)
12	70073809	1	CLIP, engine temperature gauge tube
13	-----	1	SWITCH (See LIGHTS AND WIRING)
14	-----	1	SWITCH (See STARTER)
15	70634677	1	GUARD, starter switch

Tractors
prior to
unit #24589



USAGE: Special equipment

*Used prior to November 1963

**Effective November 1963

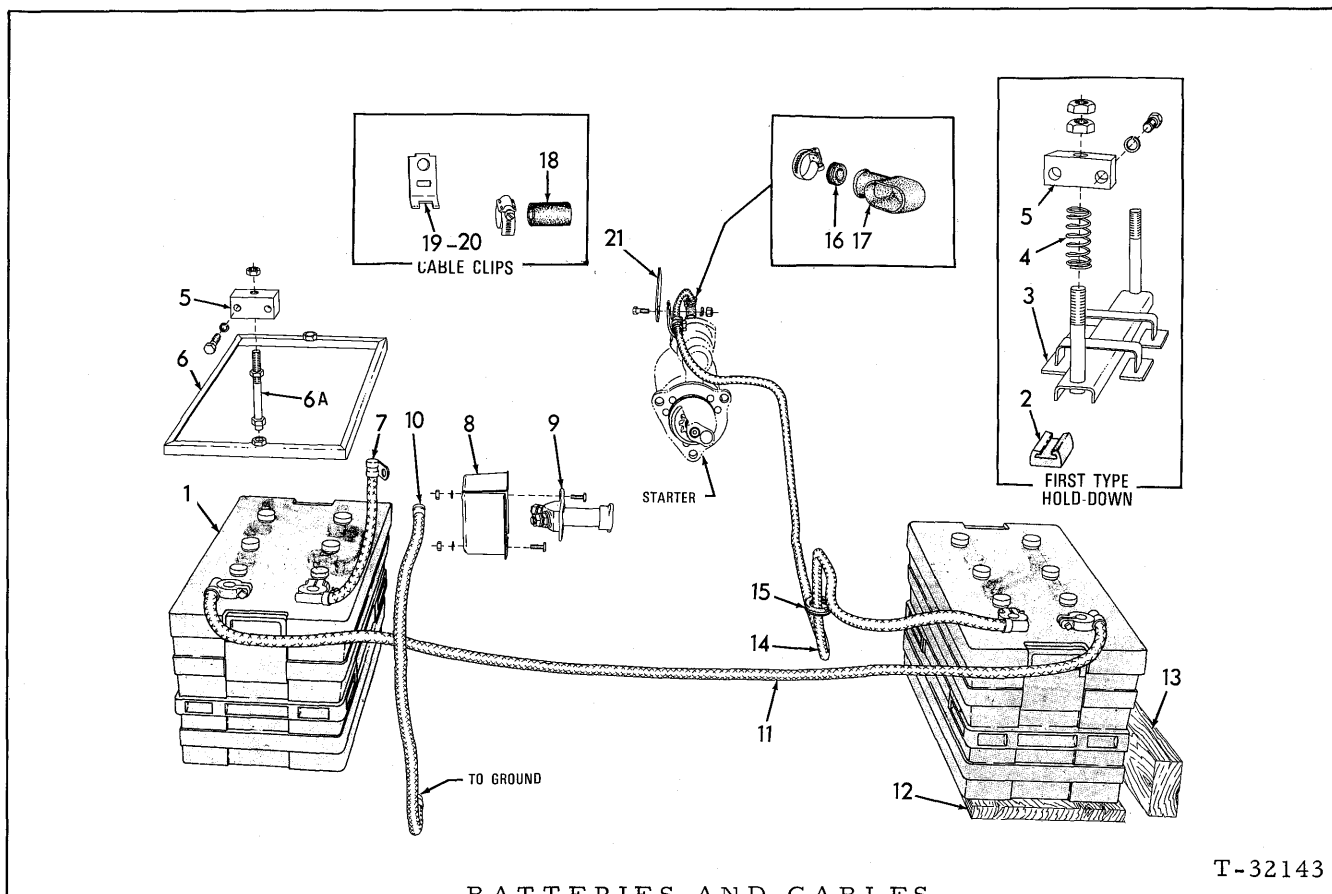
ITEM	PART NO.	QTY.	DESCRIPTION	
		* **		
1	-----	1	METER, hour)(Order METER 70650299)(See NOTE)	} Tractors prior to #15437
	70918210	3	SCREW, thread-cutting #6 x 1/2" (Includes lockwasher)	
	70906692	1	CAPSCREW, 1/4"NC x 3/8"	
	70904204	1	LOCKWASHER, 1/4"	
	70650299	1	METER, hour (24 volt)(See NOTE)	} Tractors #15437 thru unit #24850
	70918210	3	SCREW, thread cutting, #6 x 1/2" (Includes lockwasher)	
	70688997	-	METER, hour (24 volt)(Includes mounting clamp and nut)(Tractors unit #24851 and up) (See NOTE)	

(Continued)

HO U R M E T E R (Continued)

ITEM	PART NO.	QTY. * **	DESCRIPTION
2	70048142	1 -	CONNECTOR, meter cable (Used prior to tractor #15437)
3	70066467	1 1	DAMPER, vibration
	70918210	3 3	SCREW, thread-cutting, #6 x 1/2" (Includes lockwasher)
4	70629159	1 -	CABLE, meter to pressure switch (120" long, screw terminal at switch end)(Used prior to tractor #15437)
5	70630739	1 -	CABLE, meter to pressure switch (126" long, screw terminal at switch end)(Effective with tractor #15437)
	70641917	- 1	CABLE, meter to pressure switch, rear section (76" long)
6	70048142	- 1	CONNECTOR, meter cable
7	70638606	- 1	CABLE, meter to pressure switch, front section (50" long, spade terminal at switch end)
8	70050288	1 -	SWITCH, pressure (screw terminals)
	70640727	- 1	SWITCH, pressure (spade terminals)
9	70050327	1 -	CABLE, pressure switch to ammeter (8" long, screw terminal at switch end)
	70630917	- 1	CABLE, pressure switch to ammeter (8" long, spade terminal at switch end)
10	70630917	1 1	CABLE, meter to ground (8" long)(Effective with tractor #15437)
	70929002	1 1	CAPSCREW, 1/4"NC x 3/8"
	70910285	1 1	LOCKWASHER, 1/4"
11	70631639	1 -	CABLE, meter connecting (7-1/2" long)(Used only with item 2 when replacing early type meter)

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



*Tractors prior to serial No. 21637
 **Tractors serial No. 21637 and up

ITEM	PART NO.	QTY. * **	DESCRIPTION
1	-----	2 -	BATTERY, storage, 12 volts, 21 plates ("Prestolite" #D-4. Order from local dealer)
	70248922	- 2	BATTERY, storage, 12 volts, dry charged (Each requires 14 qts. electrolyte)
1A	70243526	1 1	ELECTROLYTE ("Z" pack-6.1 quarts)
	70243527	1 1	ELECTROLYTE ("F" pack-5 gallons)
1B	70243528	1 1	HOSE, electrolyte dispensing (For use with 5-gallon pack)
2	70052791	8 -	BLOCK, hold-down (rubber)
3	70620161	2 -	HOLD-DOWN, battery
	70910847	8 -	NUT, jam, 3/4"NF
4	70081404	4 -	SPRING, hold-down
5	70097982	4 -	BLOCK, battery hold-down
	70663792	- 4	BLOCK, battery hold-down
	70916028	8 8	CAPSCREW, 1/2"NF x 1-3/4"
	70904208	8 8	LOCKWASHER, 1/2"
6	70665885	- 2	HOLD-DOWN, battery

(Continued)

BATTERIES AND CABLES (Continued)

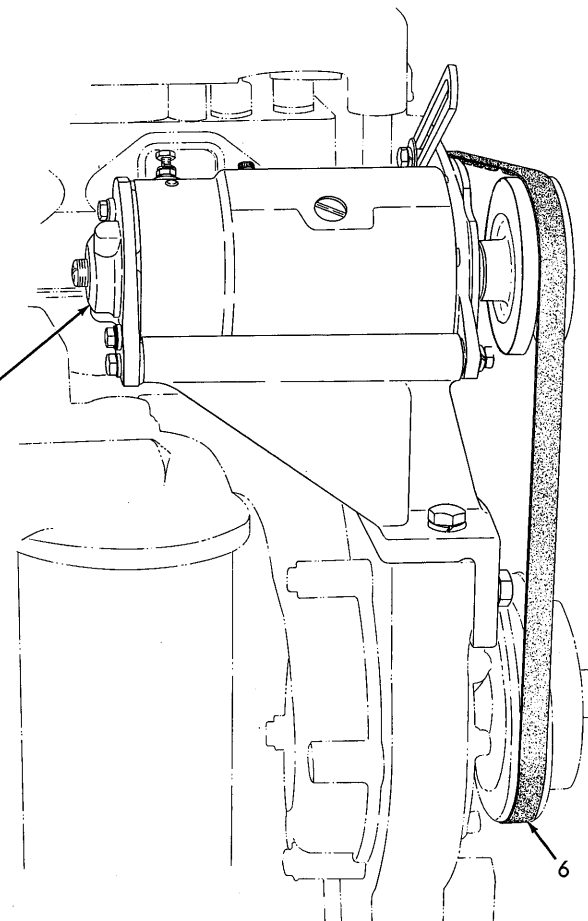
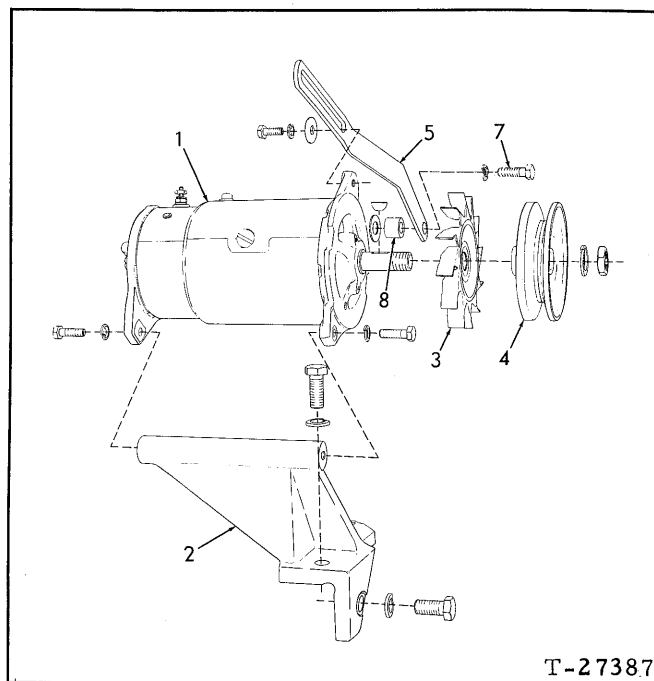
ITEM	PART NO.	QTY. * **	DESCRIPTION
6A	70663771	- 4	ROD, battery hold-down
	70911028	- 4	NUT, 1/2"NC
7 {	70628488	1 1	CABLE, battery to master switch (5-5/8" long)(Units equipped with generator)
	70678452	1 1	CABLE, battery to master switch (15" long)(Units equipped with 50 amp alternator)
8	70098099	1 1	BOX, master switch
	70915343	4 4	CAPSCREW, 1/4"NC x 5/8"
	70904204	4 4	LOCKWASHER, 1/4"
	70911024	4 4	NUT, 1/4"NC
9	70096908	1 1	SWITCH ASSY., master (Serviced only as a unit)
	70915343	2 2	CAPSCREW, 1/4"NC x 5/8"
	70904204	2 2	LOCKWASHER, 1/4"
	70911024	2 2	NUT, 1/4"NC
10	70624336	1 1	CABLE, master switch to ground (25" long)
11 {	70624334	1 1	CABLE, battery connecting (47" long)(Units equipped with generator)
	70678451	1 1	CABLE, battery connecting (35" long)(Units equipped with 50 amp alternator)
12 {	70085860	2 2	PAD, battery bottom
	-----	- 2	BOARD, battery bottom (Procure locally)
13	-----	2 -	BOARD, battery side (Procure locally)
14 {	70624335	1 1	CABLE, battery to starter (100" long)(Tractors prior to unit #24030)
	70671036	- 1	CABLE, battery to starter (86" long)(Tractor unit #24030 and up)
	70678450	1 1	CABLE, battery to starter (96" long)(Units equipped with 50 amp alternator)
15	70098372	1 1	GROMMET, cable protecting (rubber, 1" hole)
16	70040842	1 1	GROMMET, cable protecting (rubber, 11/16" hole)
17	70076572	1 1	BOOT, protecting, starter terminal
	70921912	1 1	CLAMP, hose, 1-1/16" to 2" diam.
18	70097611	10 10	BOOT, cable protecting
	70921911	10 10	CLAMP, hose, 11/16" to 1-1/4" diam.
19	70084895	1 1	CLIP, cable supporting (9/16"diam., bolt hole)(2 additional used on tractor unit #24030 and up)
	70927219	- 2	CAPSCREW, 1/2"NC x 3/4"
	70912441	- 2	LOCKWASHER, 1/2"
20	70633653	6 6	CLIP, cable supporting (7/16" diam. bolt-hole)
	70915408	3 3	CAPSCREW, 3/8"NC x 3/4"
	70916271	3 3	CAPSCREW, 3/8"NC x 1"
	70044973	3 3	WASHER, plain
	70904206	6 6	LOCKWASHER, 3/8"(3 less used on Tractors unit #24030 and up)
	70911026	3 3	NUT, 3/8"NC
21	70629198	1 1	STRIP, clip supporting

Units equipped with generator

(1) less used on tractors unit #24030 and up

Tractors unit #24030 and up

(3) less used on tractors unit #24030 and up



GENERATOR

T-27386

*Engines prior to serial No. 6-15442 (Ventilated generator)
 **Engines serial No. 6-15442 and up (Sealed generator)

ITEM	PART NO.	QTY.	DESCRIPTION
		* **	

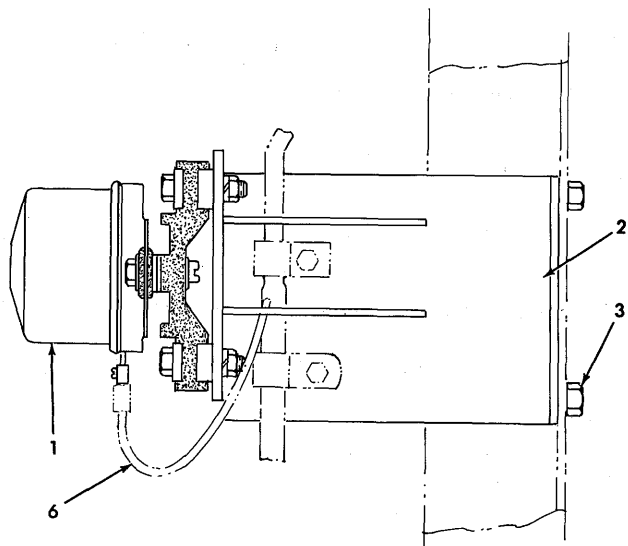
1	-----	1	-	GENERATOR ASSY. ("Delco-Remy" # 1103027) (Order GENERATOR ASSY. 74058931)
	-----	-	1	GENERATOR ASSY. ("Delco-Remy" # 1103028) (Used prior to engine #6-23260. Order GENERATOR ASSY. 74058931)
	70921422	2	2	CAPSCREW, 5/16"NC x 1-1/8"
	70904205	2	2	LOCKWASHER, 5/16"
	74058931	-	1	GENERATOR ASSY. (Includes key, nut and washer for pulley. "Delco-Remy" # 1103032) (Effective with engine #6-23260)
	70919224	-	2	CAPSCREW, 3/8"NC x 1-1/8"
	70904206	-	2	LOCKWASHER, 3/8"

Order parts
from local
United Motors
Service Agency

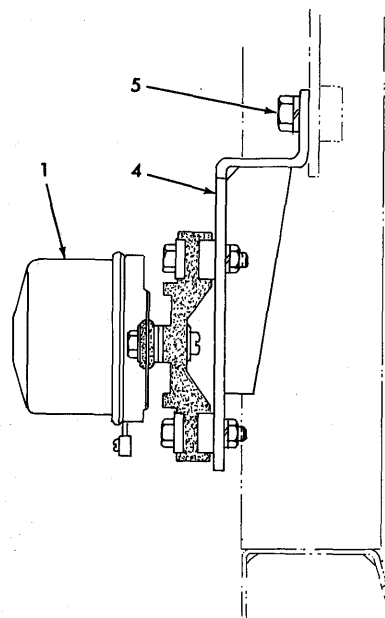
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GENERATOR (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
2	74349952	1	1	BRACKET, mounting (Used prior to engine #6-23260)
	74354581	-	1	BRACKET, mounting (Effective with engine #6-23260)
	70920582	1	1	CAPSCREW, 1/2"NC x 1-1/4"
	70920583	2	2	CAPSCREW, 1/2"NC x 1-1/2"
	70904208	3	3	LOCKWASHER, 1/2"
3	74513922	1	-	FAN, cooling
4	74349676	1	1	PULLEY (cast iron)(Used prior to engine #6-24637)
	74339504	-	1	PULLEY (pressed steel)(Effective with engine #6-24637)
5	74349961	1	1	BRACE, generator
	70915809	1	1	CAPSCREW, 5/16"NC x 3/4"
	70904205	1	1	LOCKWASHER, 5/16"
	70901165	1	1	WASHER, plain, U.S. std., 5/16"
6	74337725	1	1	BELT, generator and water pump
7	-----	-	-	CAPSCREW (See FAN)
	70914659	1	1	WASHER, plain, SAE std., 9/16"
8	70097413	1	1	BLOCK, spacing (For units with HYDRAULIC TILT)



UNITS WITH OIL-BATH AIR CLEANER



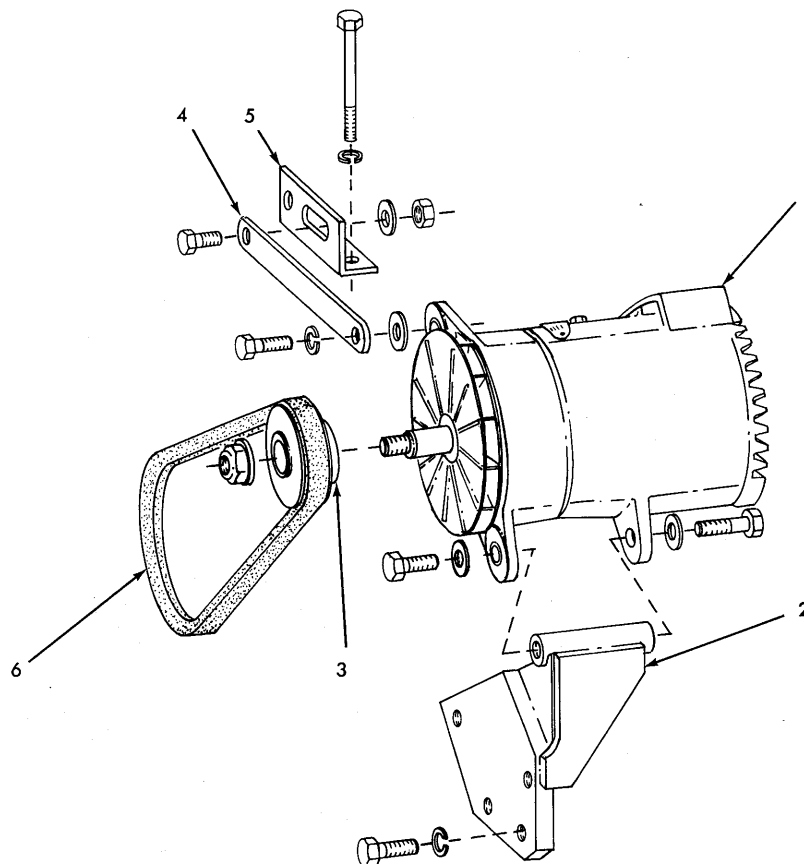
UNITS WITH DRY-TYPE AIR CLEANER

GENERATOR REGULATOR

T-74716

ITEM PART NO. QTY. DESCRIPTION

1	70090048	1	REGULATOR, voltage and current ("Delco-Remy" #1119164. Order parts from local United Motors Service agency)
	70916286	4	CAPSCREW, 1/4"NC x 1-1/2"
	70904204	4	LOCKWASHER, 1/4"
	70911024	4	NUT, 1/4"NC
2	70628313	1	BRACKET, regulator mounting (Used with oil-bath air cleaner only)
3	70036032	2	CAPSCREW, 3/8"NF x 3/4"
	70904206	2	LOCKWASHER, 3/8"
	70911041	2	NUT, 3/8"NF
4	70623678	1	BRACKET, regulator mounting (Used with dry-type air cleaner only)
5	70916272	2	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	2	LOCKWASHER, 3/8"
6	-----	1	HARNESS, generator to regulator (See LIGHTS AND WIRING)

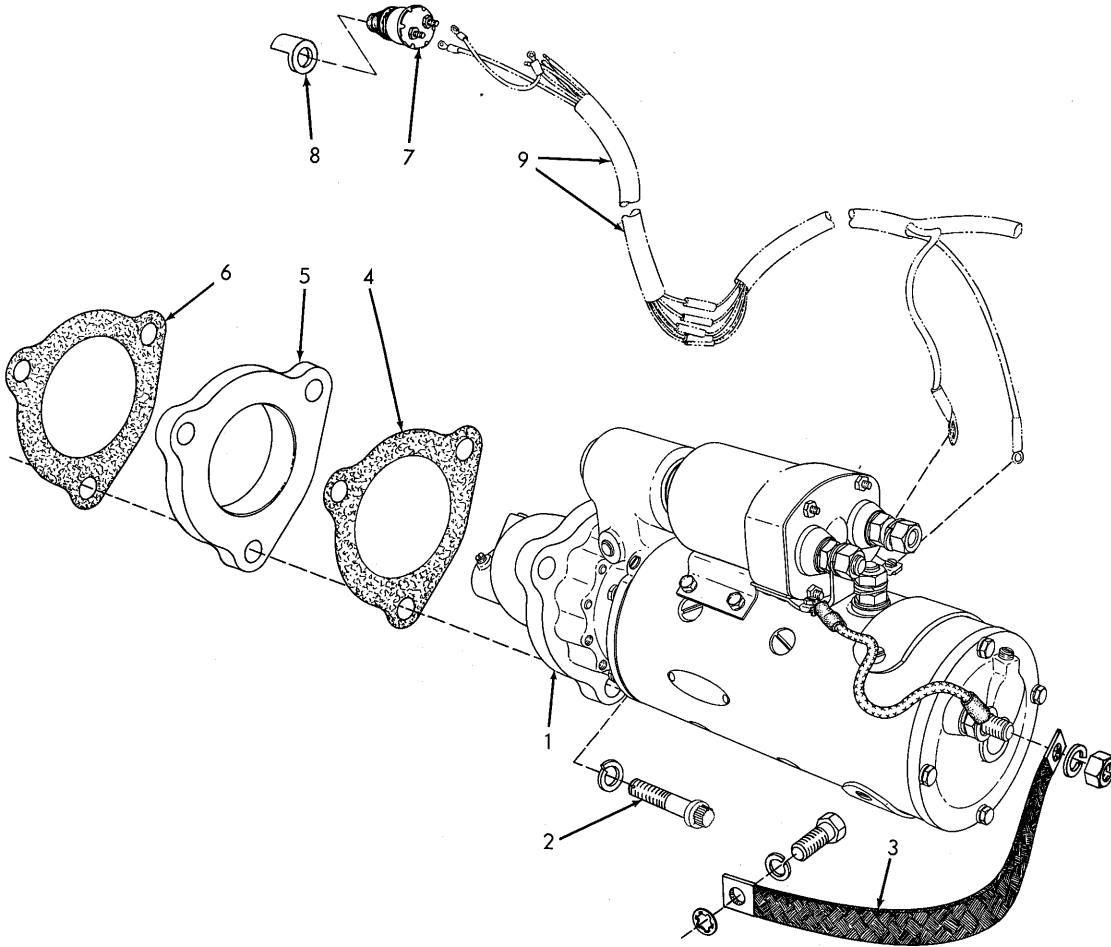


T-79289

— ALTERNATOR —

USAGE: Special equipment. Tractors equipped with hydraulic tilt.

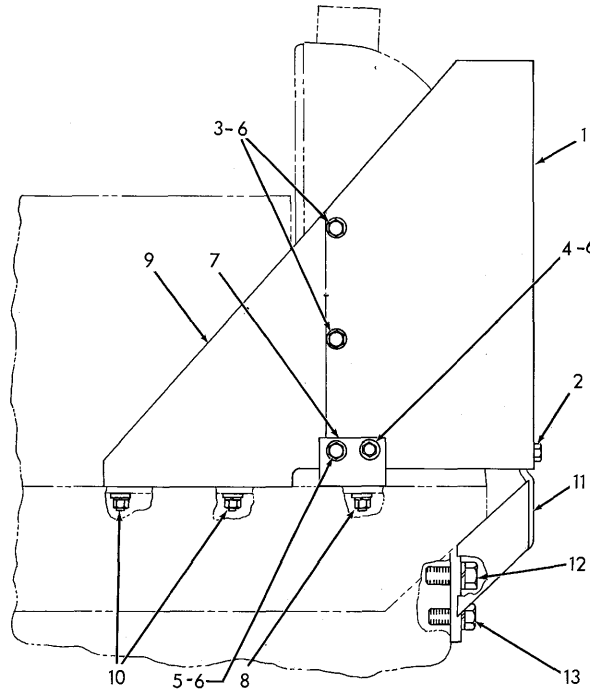
ITEM	PART NO.	QTY.	DESCRIPTION
1	70662020	1	ALTERNATOR ("Delco-Remy" #117236)(Order parts from local "United Motors Service" agency)
	70920582	1	CAPSCREW, 1/2"NC x 1-1/4"
	70920585	1	CAPSCREW, 1/2"NC x 1-3/4"
	70677008	1	WASHER, plain
2	70678626	1	BRACKET, mounting
	70922726	4	CAPSCREW, 1/2"NF x 1-1/2"
	70912441	4	LOCKWASHER, 1/2"
3	70678627	1	PULLEY
4	70678621	1	STRAP
	70921175	1	CAPSCREW, 1/2"NC x 1"
	70920583	1	CAPSCREW, 1/2"NC x 1-1/2"
	70912441	1	LOCKWASHER, 1/2"
	70926192	1	WASHER, plain
	70677008	1	WASHER, plain
	70911028	1	NUT, 1/2"NC
5	70678620	1	ANGLE
	70922849	2	CAPSCREW, 3/8"NC x 4"
	70910287	2	LOCKWASHER, 3/8"NC
6	74374914	1	V-BELT



STARTER

T-27492

ITEM	PART NO.	QTY.	DESCRIPTION
1	74387529	1	MOTOR, starting ("Delco-Remy" #1113898. Was formerly #1113895. Order parts from local United Motors Service agency)
2	70925220	3	SCREW, 12-point, Nylok, 5/8"NC x 2-1/2"
	70904209	3	LOCKWASHER, 5/8"
3	70623545	1	STRAP, starter to ground
	70914875	1	CAPSCREW, 1/2"NF x 1"
	70904208	1	LOCKWASHER, regular, 1/2"
	70906961	1	LOCKEASHER, int-tooth, 1/2"
4	70620366	1	GASKET, starting motor
5	70621308	1	ADAPTER, starting motor
6	70620365	1	GASKET, starting motor adapter
7	70240962	1	SWITCH ASSEMBLY, push-button (Includes mounting nut)
8	-----	1	GUARD, starter switch (See INSTRUMENTS)
9	-----	1	WIRING HARNESS (See LIGHTS AND WIRING)

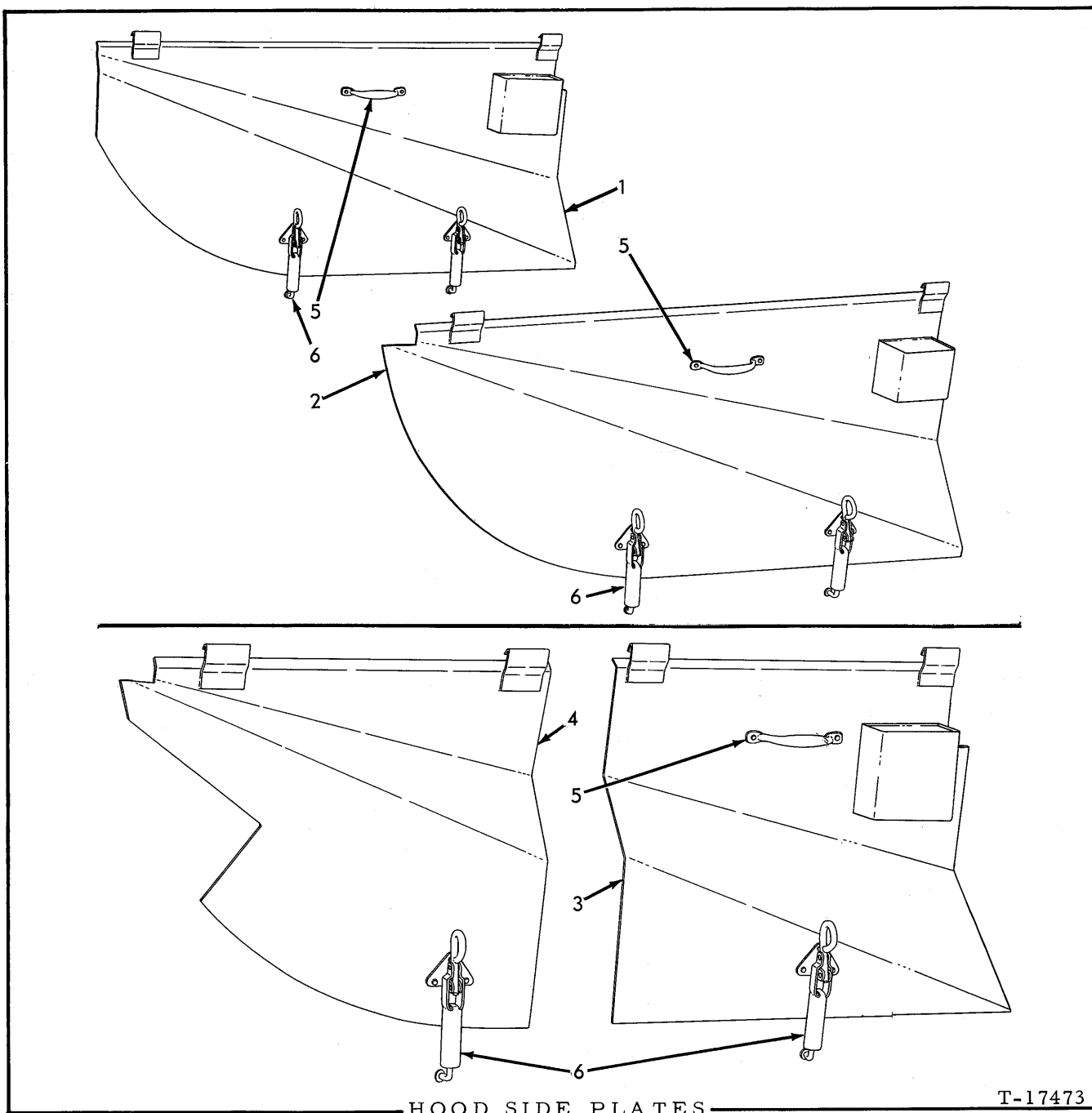


FUEL TANK GUARD

T-32140

USAGE: Special equipment.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70628858	1	GUARD, upper
2	70920583	3	CAPSCREW, 1/2"NC x 1-1/2"
3	70035018	4	CAPSCREW, 1/2"NF x 1-1/2" (Early units)
	70920583	4	CAPSCREW, 1/2"NC x 1-1/2" (Late units)
4	70920585	2	CAPSCREW, 1/2"NC x 1-3/4"
5	70035067	2	CAPSCREW, 1/2"NF x 2" (Early units)
	70928342	2	CAPSCREW, 1/2"NC x 1-3/4" (Late units)
6	70677008	10	WASHER, plain
	70912441	3	LOCKWASHER, 1/2"
	70911028	5	NUT, 1/2"NC
7	70629940	2	ANGLE, guard attaching
8	70920585	2	CAPSCREW, 1/2"NC x 1-3/4"
	70911028	2	NUT, 1/2"NC
	70677008	4	WASHER, plain
9	70648903	1	GUARD, left side
	70648904	1	GUARD, right side
10	70920585	4	CAPSCREW, 1/2"NC x 1-3/4"
	70677008	8	WASHER, plain
	70911028	4	NUT, 1/2"NC
11	70066708	1	GUARD, lower (Tractors without ROPS)
	70685548	1	GUARD, lower (Tractors with ROPS)
12	70631238	2	CAPSCREW, Nylok 1"NC x 2-1/4" (Tractor without ROPS)
	70929404	2	CAPSCREW, 1"NC x 4-3/4" } Tractor with ROPS
	70602214	2	WASHER, spacing
	70910916	2	LOCKWASHER, 1"
13	70631239	2	CAPSCREW, Nylok, 7/8"NC x 2" (Tractors without ROPS)
	70929405	2	CAPSCREW, 7/8"NC x 4-1/2" } Tractors with ROPS
	70624076	2	WASHER, spacing
	70905347	2	LOCKWASHER, 7/8"



USAGE: Special equipment, Not for units with oil-bath air cleaner

ITEM	PART NO.	QTY.	DESCRIPTION
1	70624807	1	PLATE ASSEMBLY, left side (Includes items 5 and 6)
	70624808	1	PLATE ASSEMBLY, right side (Includes items 5 and 6)

NOTE: Item 1 is for use only on tractors with standard hinged radiator guard

(Continued)

HOOD SIDE PLATES (Continued)

ITEM PART NO. QTY. DESCRIPTION

- | | | | | |
|---|---|----------|---|---|
| 2 | { | 70628025 | 1 | PLATE ASSEMBLY, left side (Includes items 5 and 6) |
| | | 70628026 | 1 | PLATE ASSEMBLY, right side (Includes items 5 and 6) |

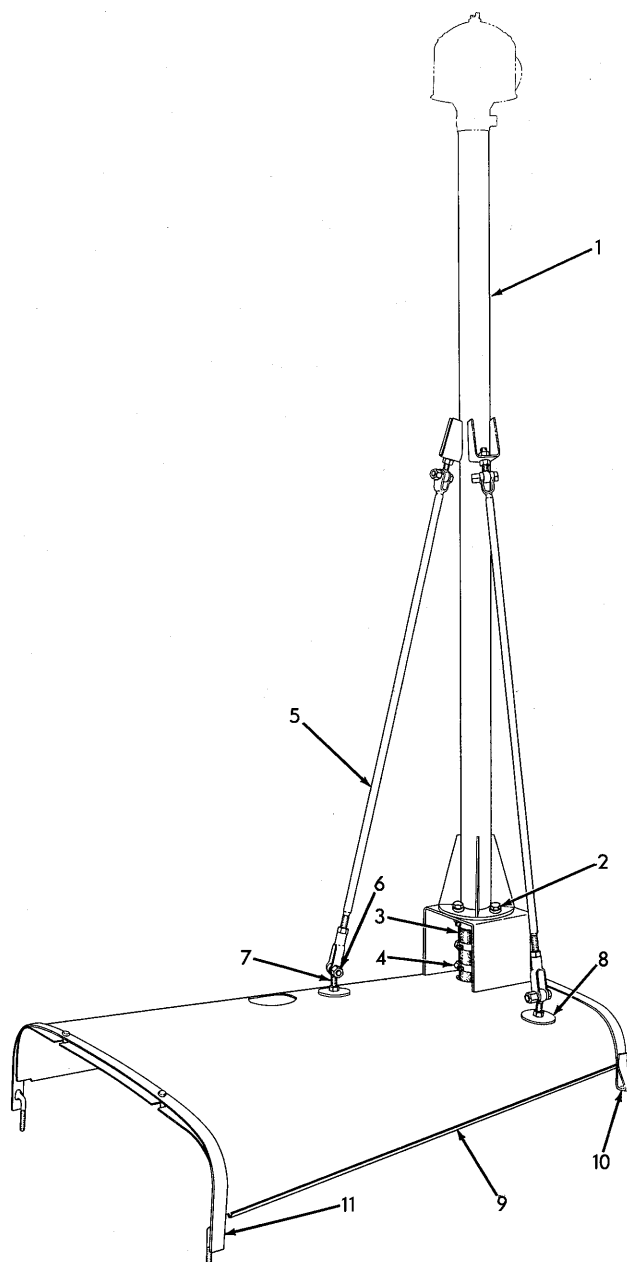
NOTE: Item 2 is for use only on tractors with optional plain wrap-around radiator guard

- | | | | | |
|---|---|----------|---|---|
| 3 | { | 70627313 | 1 | PLATE ASSEMBLY, left side, rear (Includes items 5 and 6) |
| | | 70627314 | 1 | PLATE ASSEMBLY, right side, rear (Includes items 5 and 6) |

- | | | | | |
|---|---|----------|---|---|
| 4 | { | 70627317 | 1 | PLATE ASSEMBLY, left side, front (Includes item 6) |
| | | 70627318 | 1 | PLATE ASSEMBLY, right side, front (Includes item 6) |

NOTE: Items 3 and 4 are for use only on tractors with optional hydraulic wrap-around radiator guard

- | | | | |
|---|----------|----|-------------------------------|
| 5 | 70032834 | 2 | HANDLE, lifting |
| | 70900764 | 4 | RIVET, flat-hd., 3/16" x 1/2" |
| 6 | 70033060 | 4 | FASTENER, hood latching |
| | 70900764 | 12 | RIVET, flat-hd., 3/16" x 1/2" |



AIR PRE-CLEANER EXTENSION

T-17470

USAGE: Special equipment. For tractors with oil bath air cleaner only

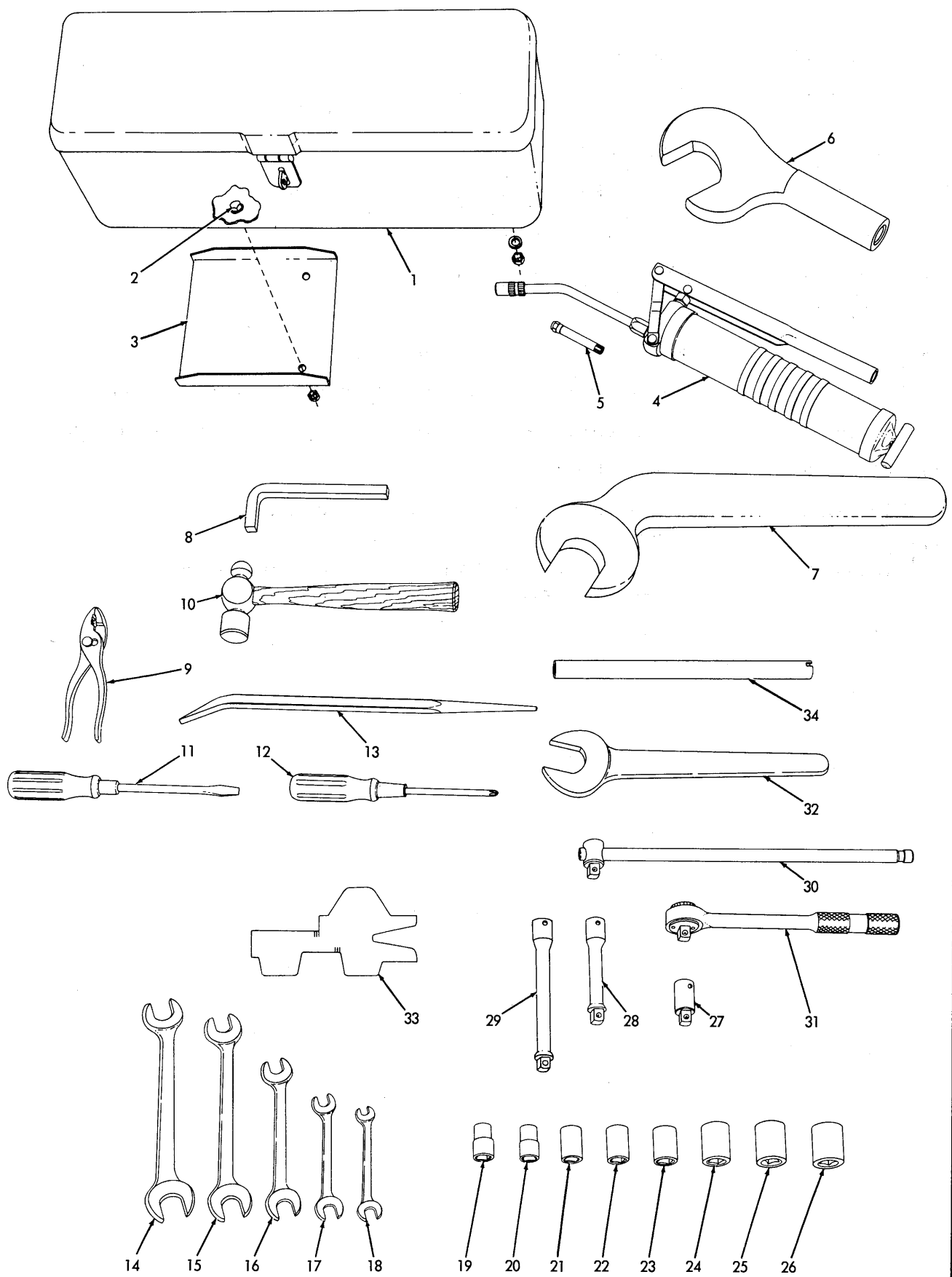
ITEM PART NO. QTY. DESCRIPTION

1	70087152	1	TUBE, extension
2	70035073	4	CAPSCREW, 1/2"NF x 1-3/4"
	70064531	8	WASHER, plain
	70904208	4	LOCKWASHER, 1/2"
	70911043	4	NUT, 1/2"NF

(Continued)

AIR PRE-CLEANER EXTENSION (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
3	70085648	1	HOSE, tube to air cleaner
4	70921913	2	CLAMP, hose 1-13/16" to 2-3/4" diam.
5	70084227	2	ROD, bracing
	70911043	2	NUT, 1/2"NF
	70917666	2	YOKE, rod end, adjustable, 1/2"NF
	70912192	4	CAPSCREW, 1/2"NF x 1-3/4"
6	70038234	4	NUT, high, 1/2"NF
7	70067902	4	EYEBOLT, bracing rod
	70904208	8	LOCKWASHER, 1/2"
	70911043	8	NUT, 1/2"NF
8	70085453	4	WASHER, bracing rod eyebolt
9	70087316	1	HOOD, engine (For tractors with standard radiator guard)
	70089933	1	HOOD, engine (For tractors with wrap-around radiator guard)
10	70087233	1	STRAP, hood, rear
11	70087164	1	STRAP, hood, front (For tractors with standard radiator guard)
	70089929	2	STRAP, hood, front (For tractors with wrap-around radiator guard)



TOOLS

T-17464

TOOLS

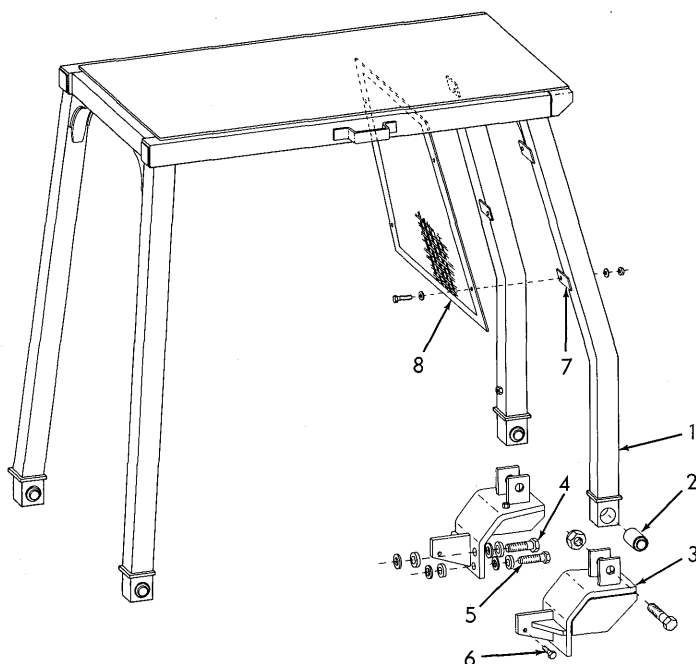
ITEM PART NO. QTY. DESCRIPTION

1	70604943	1	BOX, tool (Mounts on left track fender. Special equipment)
2	70012992	4	CAPSCREW, 3/8"NF x 1-1/4"
	70911115	4	WASHER, plain, SAE std., 3/8"
	70904206	4	LOCKWASHER, 3/8"
	70911041	4	NUT, 3/8"NF
	70630753	2	WASHER, plain (For spacing)
3	70641654	1	PLATE, tool box mounting
4	70 073735	1	GUN, grease (Serviced only as a unit)
	70 907059	1	ELBOW, street, 90°, 1/8"NPT (Required for lubricating fan)
5	70 069814	1	NOZZLE ASSEMBLY, lubricating (For use with GUN 70073735 to lubricate universal joint)
6	70050573	1	WRENCH, track release adjustment (2-1/2" opening)(Used prior to tractor #16007)
7	70095120	1	WRENCH, track release adjustment (2-1/8" opening)(Effective with tractor #16007)
8	70 043769	1	WRENCH, drain and filling plugs (90°, 1/2" square)
9	70 012389	1	PLIERS, slip joint, 6"
10	70012387	1	HAMMER, ball peen, 1 lb.
11	70036268	1	SCREWDRIVER, 9-3/4" long
12	70 914732	1	SCREWDRIVER, Phillips #2
13	70052371	1	BAR, pinch, 16" long
14	70 050611	1	WRENCH, open end, double head, 15°, 15/16" and 1-1/16"
15	70 050610	1	WRENCH, open end, double head, 15°, 3/4" and 7/8"
16	70050609	1	WRENCH, open end, double head, 15°, 5/8" and 3/4"
17	70050608	1	WRENCH, open end, double head, 15°, 1/2" and 9/16"
18	70050607	1	WRENCH, open end, double head, 15°, 5/16" and 3/8"
19	70914709	1	SOCKET, 1/2" square drive, 1/2" hex
20	70914710	1	SOCKET, 1/2" square drive, 9/16" hex
21	70914711	1	SOCKET, 1/2" square drive, 5/8" hex
22	70914712	1	SOCKET, 1/2" square drive, 11/16" hex
23	70 914713	1	SOCKET, 1/2" square drive, 3/4" hex
24	70 914714	1	SOCKET, 1/2" square drive, 7/8" hex

(Continued)

TOOLS (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
25	70914715	1	SOCKET, 1/2" square drive, 15/16" hex
26	70914716	1	SOCKET, 1/2" square drive, 1" hex
27	70914717	1	BAR, extension, socket, 1/2" drive, 2" long
28	70914718	1	BAR, extension, socket, 1/2" drive, 5" long
29	70921338	1	BAR, extension, socket, 1/2" drive, 10" long
30	70050612	1	HANDLE, socket, sliding T, 1/2" square drive, 15" long
31	70914719	1	HANDLE, socket, ratchet, 1/2" square drive
32	70043421	1	WRENCH, fan spindle mounting nut (1-7/16" open end)
33	70631351	1	GAUGE, wear (Indicates maximum wear tolerances for track rails, grouser shoes, sprockets, idlers and track rollers)
34	70089239	1	EXTENSION, coolant drain



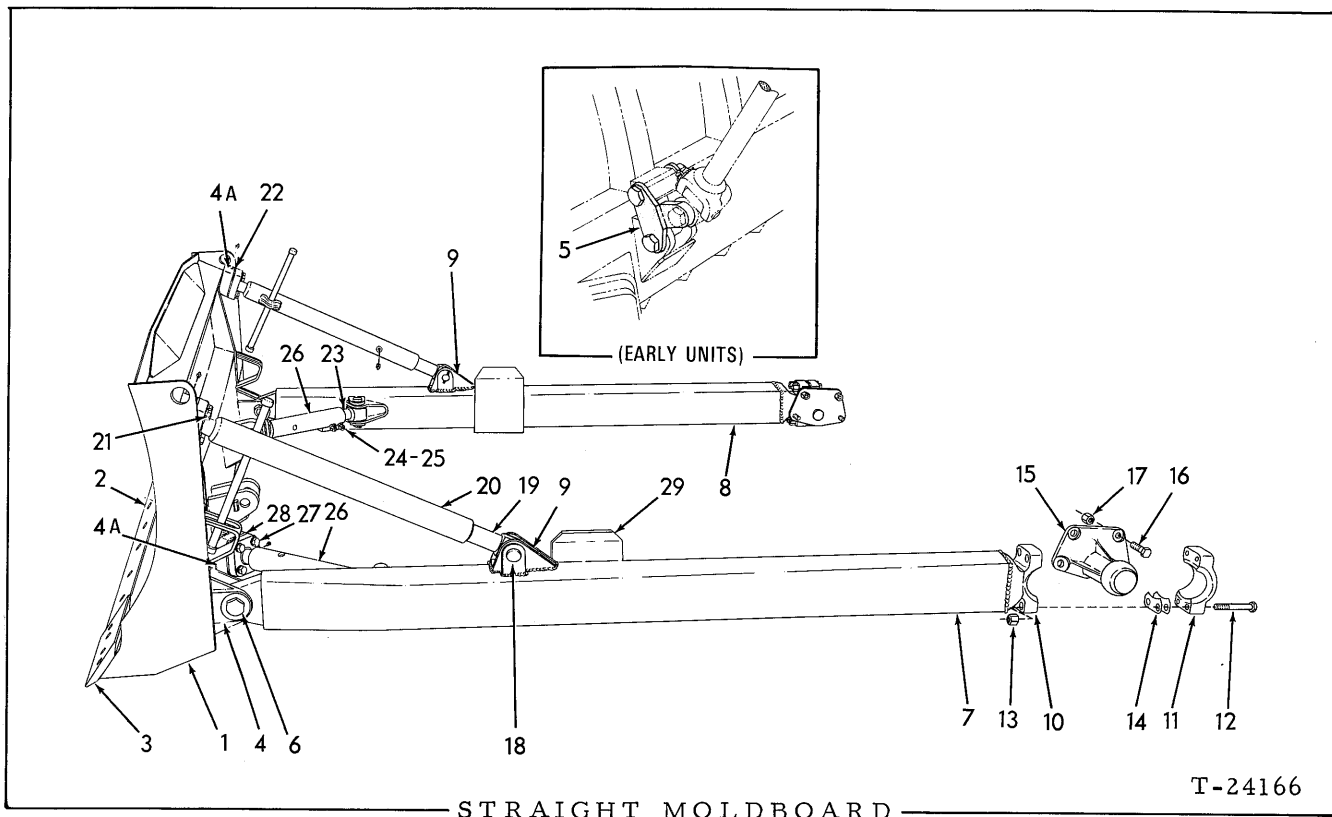
ROLL OVER PROTECTION FRAME

T-79325

USAGE: Special equipment.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70685421	1	FRAME (Includes item 2)
	70921241	4	CAPSCREW, 1"NC x 6"
	70912845	4	NUT, elastic stop, 1"NC
2	70685147	4	BUSHING
3 {	70678722	1	BRACKET, left rear
	70678724	1	BRACKET, right rear
4	70927314	2	CAPSCREW, 1"NC x 3-1/2"
	70928452	2	WASHER, plain
	70602214	4	WASHER, plain
5	70923456	2	CAPSCREW, 7/8"NC x 3-1/2"
	70676122	2	WASHER, plain
	70624076	4	WASHER, plain
6	70928839	2	CAPSCREW, Nylok, 5/8"NC x 2-1/4"
7	70685767	4	BAR, screen mounting (Requires welding to install)
8	70684156	1	SCREEN, rear
	70921556	4	CAPSCREW, 1/2"NC x 2"
	70677008	8	WASHER, plain
	70911028	4	NUT, 1/2"NC

NOTE: See PAINTING AND MARKING for transfer.



USAGE: Model 6HS

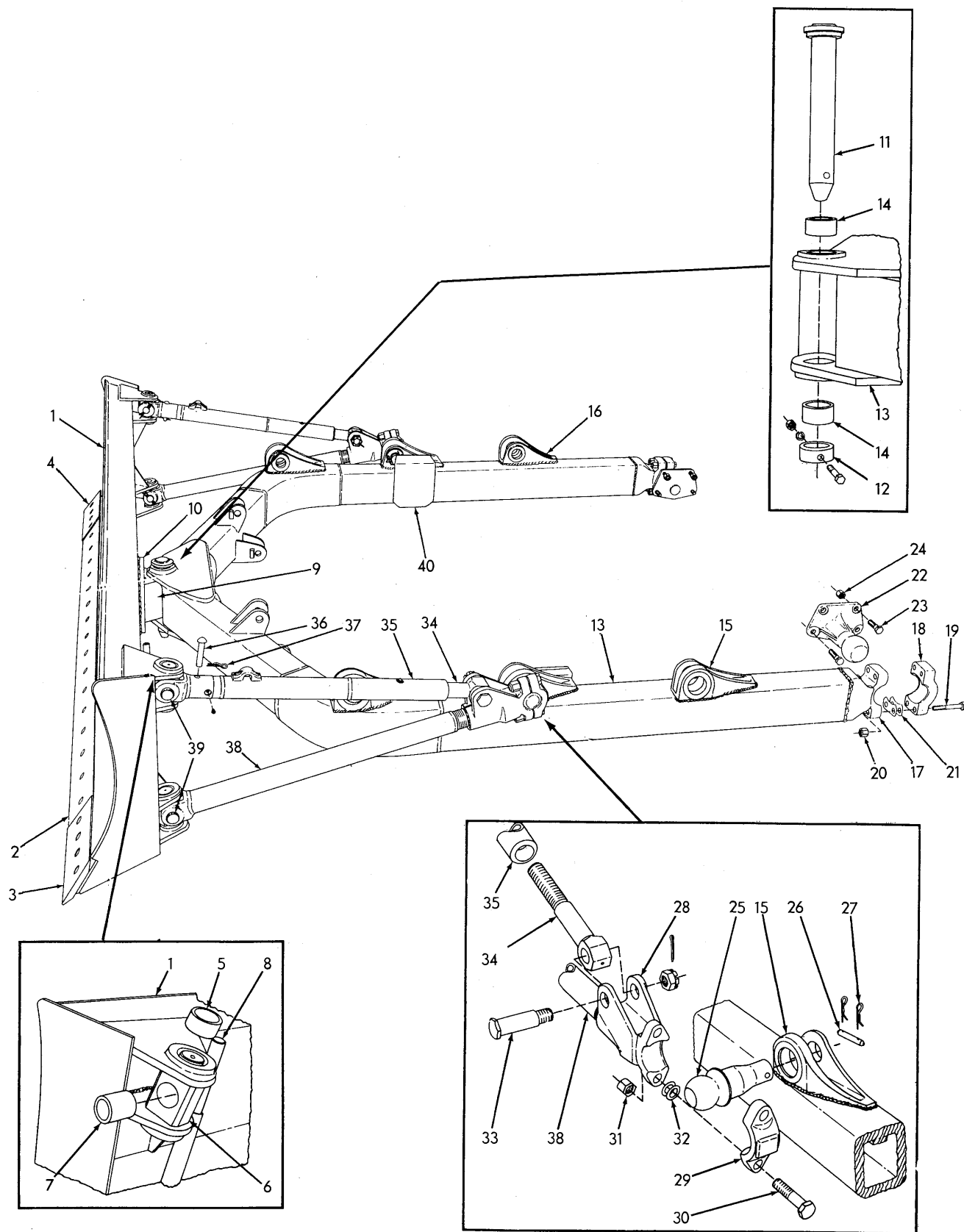
*Dozers prior to February 1961 (1/2" cutting edges)
 **Dozers February 1961 and after (5/8" cutting edges)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	70614646	1	-	MOLDBOARD ASSY. (Includes items 2 thru 5)
	70650288	-	1	MOLDBOARD ASSY. (Includes items 2 thru 4)
	70914465	4	4	FITTING, lubricating, straight, 1/8"NPT (brace sockets)
2	70609563	1	-	EDGE, cutting, center piece (65-3/4" long)
	70617152	11	-	BOLT, plow, 5/8"NC x 1-3/4"
	70911029	11	-	NUT, 5/8"NC
	70619541	-	1	EDGE, cutting, center piece (65-3/4" long)
	70617152	-	11	BOLT, plow, 5/8"NC x 1-3/4"
	70911029	-	11	NUT, 5/8"NC
3	70609562	2	2	BIT, cutting, end piece
	70617152	8	8	BOLT, plow, 5/8"NC x 1-3/4"
	70911029	8	8	NUT, 5/8"NC
4	70609554	2	2	BRACKET, attaching (Requires welding to install)
4A	70607981	4	4	SOCKET, moldboard brace (Requires welding to install)
5	70618483	4	4	BRACKET, adapting (Used prior to October 15, 1966)
	70915532	4	4	CAPSCREW, 1"NC x 6"
	70910916	4	4	LOCKWASHER, 1"
	70911032	4	4	NUT, 1"NC

(Continued)

STRAIGHT MOLDBOARD (Continued)

ITEM	PART NO.	QTY. * **	DESCRIPTION
6	70606485	2 2	BOLT, moldboard hinge
	70912841	2 2	NUT, slotted, 1-1/4"NF
	70901345	2 2	PIN, cotter, 1/4" x 2-1/2"
7	70649281	1 1	BEAM, push, left side (Includes items 9 and 10)
8	70649282	1 1	BEAM, push, right side (Includes items 9 and 10)
9	70607945	2 2	BRACKET, push beam (Requires welding to install)
10	70619341	2 2	PIVOT, push beam (Requires welding to install)
11	70618173	2 2	CAP, pivot
12	70071014	8 8	CAPSCREW, 3/4"NF x 4-1/2"
13	70012767	8 8	NUT, high, 3/4"NF
14	70614721	28 28	SHIM, pivot cap (Use as required)
15	70619360	2 2	TRUNNION, push beam
16	70012984	8 8	CAPSCREW, 3/4"NF x 2-3/4"
17	70012767	4 4	NUT, 3/4"NF
18	70609417	4 4	PIN, brace attachment
	70915494	4 4	PIN, spring, 3/8" x 2-1/4"
19	70607997	2 2	SCREW, tilt brace
20	70614949	2 2	BRACE, moldboard tilt
	70914465	2 2	FITTING, lubricating, straight, 1/8"NPT
21	70023618	8 8	CAPSCREW, 5/8"NF x 2-1/2"
	70904209	8 8	LOCKWASHER, 5/8"
22	70609393	12 12	SHIM, tilt brace socket (Use as required)
23	70607996	2 2	SCREW, diagonal brace
24	70035068	4 4	CAPSCREW, brace clamping (1/2"NF x 2-1/4")
25	70038234	4 4	NUT, high, 1/2"NF
26	70614945	2 2	BRACE, diagonal
27	70023618	8 8	CAPSCREW, 5/8"NF x 2-1/2"
	70904209	8 8	LOCKWASHER, 5/8"
28	70609393	12 12	SHIM, diagonal brace socket (Use as required)
29	70635655	2 2	PLATE, wear (Special equipment. Requires welding to install)



— ANGLING MOLDBOARD —

T-24169

ANGLING MOLDBOARD

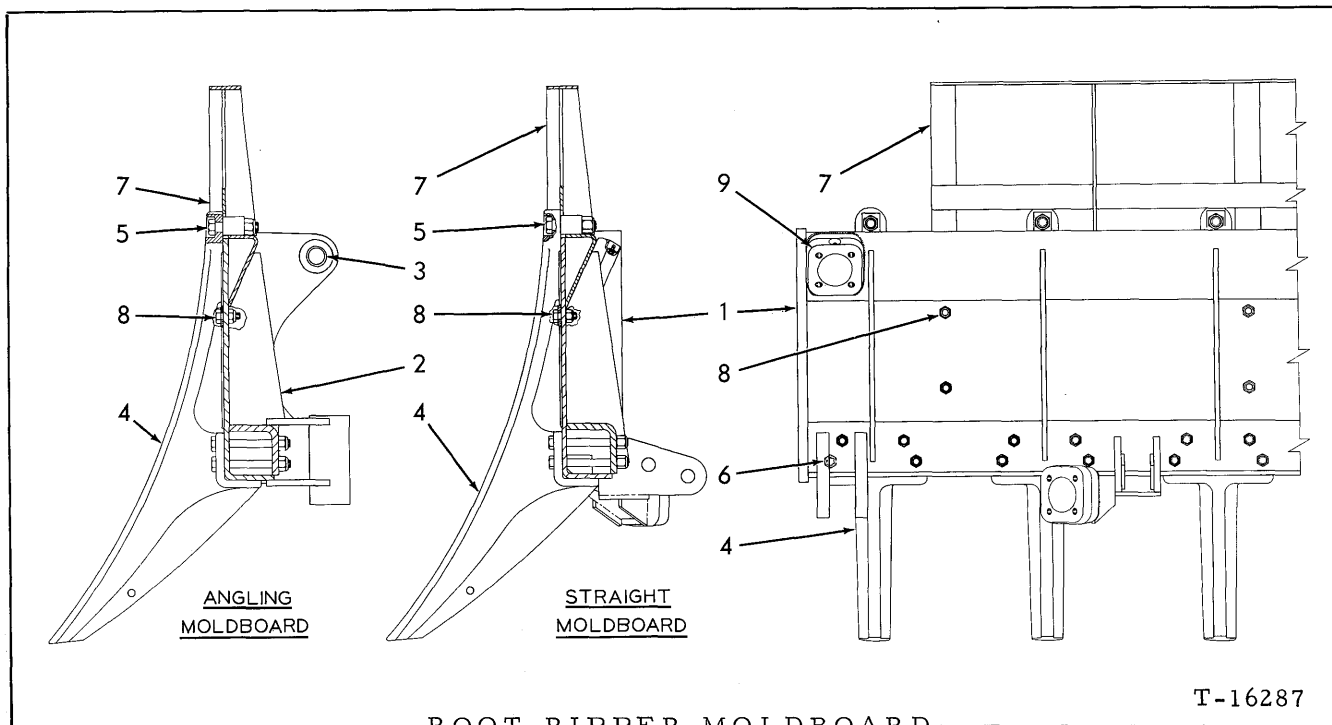
USAGE: Model 6HA

ITEM	PART NO.	QTY.	DESCRIPTION
1	70612700	1	MOLDBOARD ASSY. (Includes items 2 thru 10)
2	70619722	1	EDGE, cutting (96" long)
	70617127	16	BOLT, plow, 5/8"NC x 2-1/4"
	70911029	16	NUT, 5/8"NC
3	70612679	1	BIT, left end
	70617127	4	BOLT, plow, 5/8"NC x 2-1/4"
	70911029	4	NUT, 5/8"NC
4	70612680	1	BIT, right end
	70617127	4	BOLT, plow, 5/8"NC x 2-1/4"
	70911029	4	NUT, 5/8"NC
5	70612691	8	*BUSHING, moldboard (Used prior to January 1969)
6	70612696	4	*PIN ASSY., moldboard brace (Includes item 7)
7	70612697	4	BUSHING, moldboard brace pin (Used prior to January 1969)
8	70606526	1	BAR, moldboard adjustment (3/4" diam. x 18" long)
9	70612707	1	*PIVOT, moldboard
10	70612683	1	*RING, retaining, moldboard pivot
11	70612673	1	PIN, moldboard pivot
12	70621670	1	COLLAR, retaining, moldboard pivot pin
	70903782	1	CAPSCREW, 1/2"NC x 3-1/2"
	70904208	1	LOCKWASHER, 1/2"
	70911028	1	NUT, 1/2"NC
13	70649307	1	C-FRAME ASSY. (Includes items 14 thru 17)
14	70606507	2	BUSHING, moldboard pivot pin
15	70619967	3	*BRACKET, strut attachment, left
16	70619968	3	*BRACKET, strut attachment, right
17	70619364	2	*PIVOT
18	70618173	2	CAP, C-frame pivot
19	70071014	8	CAPSCREW, 3/4"NF x 4-1/2"
20	70012767	8	NUT, high, 3/4"NF
21	70614721	28	SHIM, pivot cap (Use as required)
22	70619360	2	TRUNNION, C-frame
23	70012984	8	CAPSCREW, 3/4"NF x 2-3/4"
24	70012767	4	NUT, high, 3/4"NF
25	70615615	2	PIN, ball, strut swivel bracket
26	70615618	2	PIN, retaining, swivel bracket ball pin
27	70617855	4	CLIP, retaining pin
			*Requires welding to install

(Continued)

ANGLING MOLDBOARD (Continued)

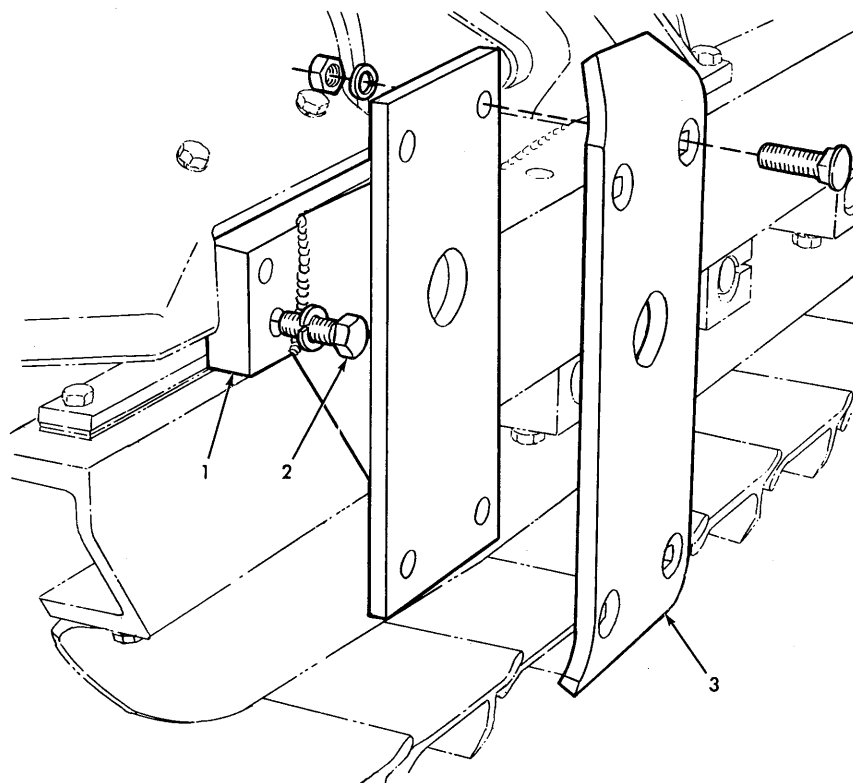
ITEM	PART NO.	QTY.	DESCRIPTION
28	70614746	2	BRACKET, strut swivel
29	70614597	2	CAP, strut swivel bracket
30	70013006	4	CAPSCREW, 7/8"NF x 3-3/4"
31	70070400	4	NUT, high, 7/8"NF
32	70614613	24	SHIM, swivel bracket cap (Use as required)
33	70606485	2	BOLT, upper strut
	70911203	2	NUT, castle, 1/1/4"NF
	70901344	2	PIN, cotter, 1/4" x 2"
34	70612654	2	SCREW, moldboard upper strut
35	70612652	2	STRUT, upper
	70914465	4	FITTING, lubricating, straight, 1/8"NPT
36	70618688	2	PIN, strut locking
37	70617855	2	CLIP, retaining, strut locking pin
38	70607987	2	STRUT, lower
39	70609417	4	PIN, moldboard strut
	70904012	4	PIN, cotter, 3/8" x 2"
40	70635655	2	*PLATE, wear (Special equipment)
			*Requires welding to install



USAGE: Special equipment.

*Model 6HS
 **Model 6HA

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	70614629	1	-	MOLDBOARD (Includes item 9)
2	70614835	-	1	MOLDBOARD ASSY. (Includes item 3)
3	70612697	-	4	BUSHING, moldboard
4	70610828	7	7	TOOTH, root ripper
	70917873	26	28	CAPSCREW, 5/8"NF x 6"
	70916589	26	28	NUT, elastic stop, 5/8"NF
5	70052527	7	6	CAPSCREW, 3/4"NF x 3-1/2"
	70916591	7	6	NUT, elastic stop, 3/4"NF
6	70035248	2	-	CAPSCREW, 5/8"NF x 2-1/4"
7	70614685	1	1	GUARD, brush
8	70035018	8	8	CAPSCREW, 1/2"NF x 1-1/2"
	70914487	8	8	NUT, elastic stop, 1/2"NF
	70064531	8	8	WASHER, plain
9	70607981	2	-	SOCKET, moldboard (Requires welding to install)



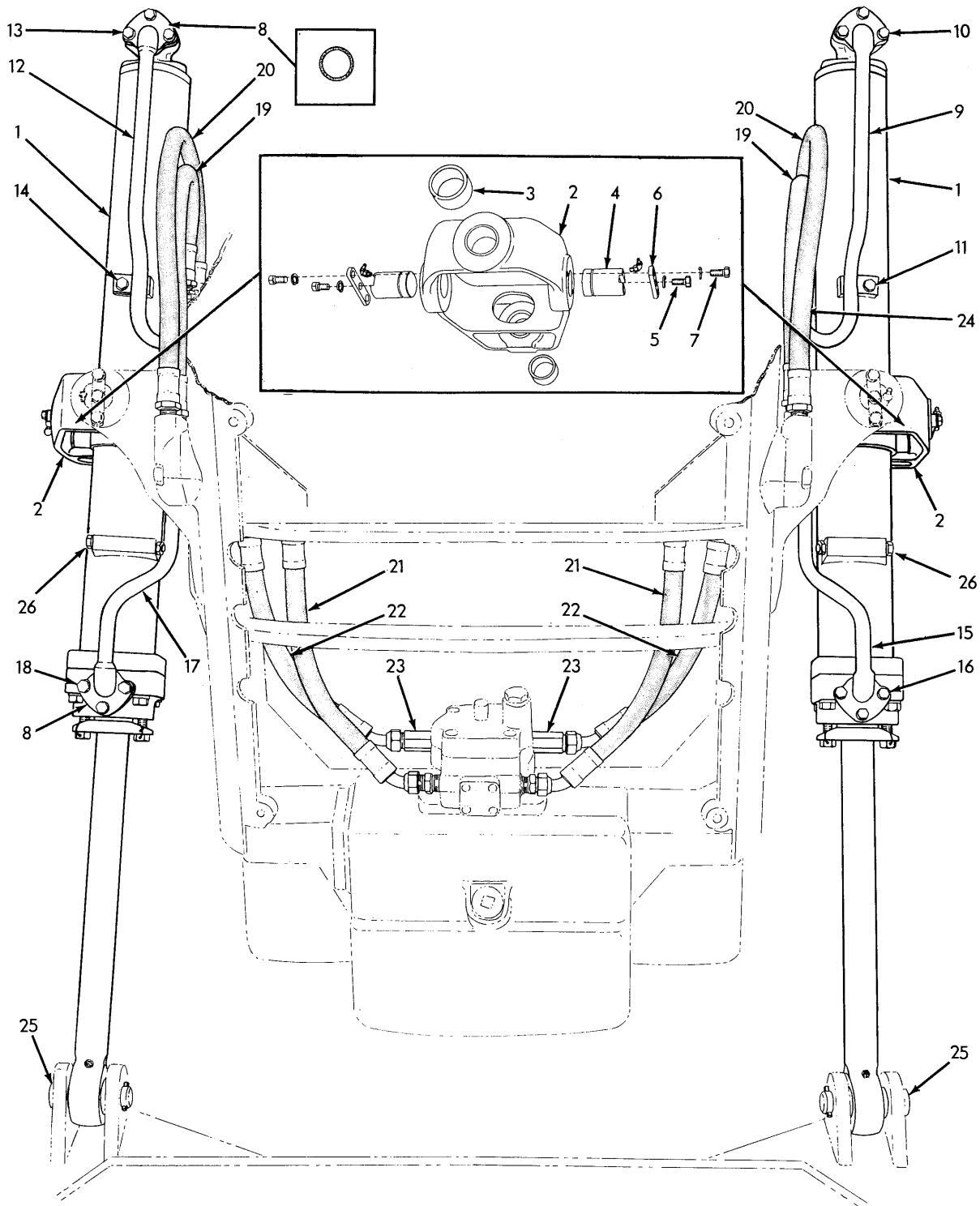
GUIDE BRACKETS

T-14051

USAGE: Special equipment

ITEM	PART NO.	QTY.	DESCRIPTION
1	70635758	2	BRACKET, guide
2	70031990	8	CAPSCREW, 5/8"NC x 2-1/2"
	70904209	8	LOCKWASHER, 5/8"
3	70612736	2	PLATE, wear, guide bracket
	70914484	8	BOLT, plow, 5/8"NC x 2"
	70904209	8	LOCKWASHER, 5/8"
	70911029	8	NUT, 5/8"NC

MEMO



DOZER CYLINDERS AND PIPING

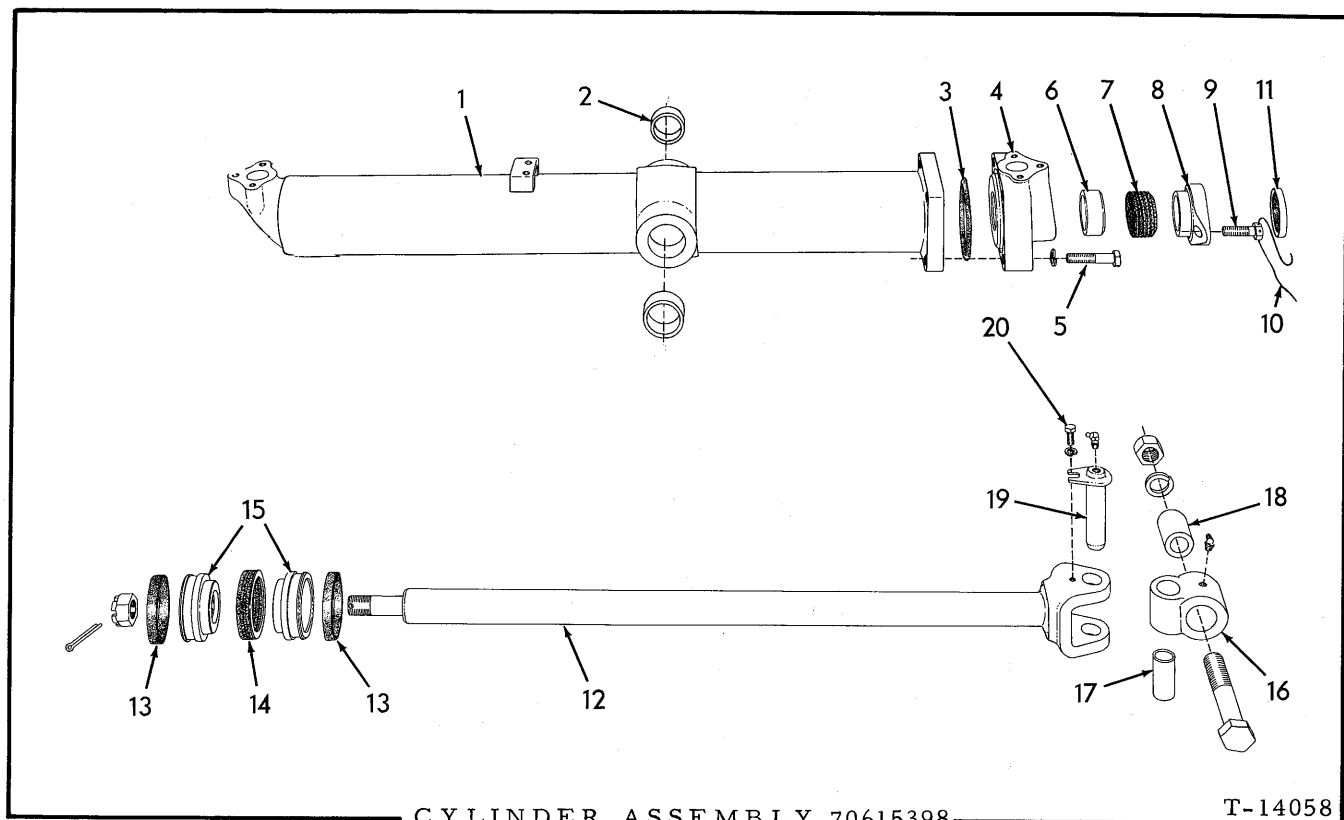
T-24174

DOZER CYLINDERS AND PIPING

ITEM	PART NO.	QTY.	DESCRIPTION
1	70615398	2	CYLINDER ASSY. (See page 302 for parts) (Used prior to Oct. 15, 1966)
	70649900	2	CYLINDER ASSY. (See page 304 for parts) (Used Oct. 15, 1966 thru June 20, 1969)
	73054406	2	CYLINDER ASSY. (See page 304 for parts) (Effective June 20, 1969)
2	70614935	2	YOKE ASSY., cylinder (Includes item 3)
3	70607605	4	BUSHING, cylinder yoke
4	70607606	4	PIN, cylinder yoke pivot
	70915019	4	FITTING, lubricating, 90°, 1/4" - 28 thds.
5	70036032	4	CAPSCREW, 3/8"NF x 3/4"
	70904206	4	LOCKWASHER, 3/8"
6	70607617	4	BAR, locking, cylinder yoke pin
7	70036032	8	CAPSCREW, 3/8"NF x 3/4"
	70904206	8	LOCKWASHER, 3/8"
8	70619821	4	RING, sealing, cylinder tubes
9	70618251	1	TUBE, left cylinder, upper
10	70013058	3	CAPSCREW, 3/8"NC x 1-1/4"
11	70036032	1	CAPSCREW, 3/8"NF x 3/4"
	70904206	4	LOCKWASHER, 3/8"
12	70618252	1	TUBE, right cylinder, upper
13	70013058	3	CAPSCREW, 3/8"NC x 1-1/4"
14	70036032	1	CAPSCREW, 3/8"NF x 3/4"
	70904206	4	LOCKWASHER, 3/8"
15	70618239	1	TUBE, left cylinder, lower
16	70013058	3	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	3	LOCKWASHER, 3/8"
17	70618240	1	TUBE, right cylinder, lower
18	70013058	3	CAPSCREW, 3/8"NC x 1-1/4"
	70904206	3	LOCKWASHER, 3/8"
19	70611722	2	HOSE, cylinder to radiator guard (24" long) (See HOSE PARTS)
20	70611504	2	HOSE, cylinder to radiator guard (32-1/2" long) (See HOSE PARTS)
21	70646207	2	HOSE, radiator guard to valve (16" long) (See HOSE PARTS)
	70919472	2	CONNECTOR, flare type, 5/8" tube, 1/2"NPT male
22	70646206	2	HOSE, radiator guard to valve (15-1/2" long) (See HOSE PARTS)
23	70619577	2	ADAPTER, valve hose
24	70035167	2	CAPSCREW, tube supporting (3/8"NF x 7/8")
	70900817	4	WASHER, plain, U.S. std., 3/8"
	70904206	2	LOCKWASHER, 3/8"
	70911041	2	NUT, 3/8"NF
25	-----	2	CAPSCREW
	-----	2	LOCKWASHER
	-----	2	NUT
	70649877	2	PIN, cylinder connecting
	70923404	2	PIN, Spirol, 5/16" x 1-1/2"
26	70915969	2	CAPSCREW, 1/2"NC x 3" (For securing cylinder when blade is removed)
	70915972	2	NUT, elastic stop, 1/2"NC

For CYLINDER ASSY. 70615398
See page 302 for listing

For CYLINDER ASSY.
70649900



CYLINDER ASSEMBLY 70615398

T-14058

USAGE: See page 301

ITEM PART NO. QTY. DESCRIPTION

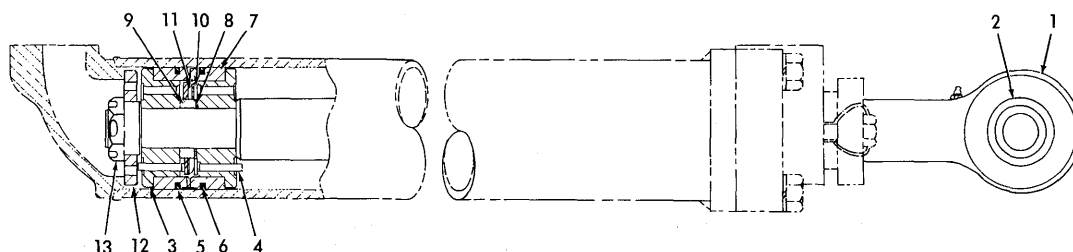
NOTE: Quantities indicated are for one (1) cylinder only

1	70612250	1	CYLINDER ASSEMBLY (Includes item 2)
2	70607605	2	BUSHING, cylinder pivot
3	70923832	1	O-RING, end cover
4	70606772	1	COVER, end
5	70035068	4	CAPSCREW, 1/2" NF x 2-1/4"
	70904208	4	LOCKWASHER, 1/2"
6	70607270	1	RING, seating, gland packing
7	70607268	1	PACKING SET, gland
8	70606730	1	RETAINER, gland packing
9	70035814	2	CAPSCREW, gland packing
10	70023633	2	WIRE, locking, 1/16" x 12"
11	70606916	1	SEAL, piston rod wiping
12	70607607	1	ROD, piston
	70911057	1	NUT, castle, 1" NF
	70910302	1	PIN, cotter, 5/32" x 1-1/4"
13	70607611	2	RING, piston
14	70607610	1	PACKING SET, piston

(Continued)

CYLINDER ASSEMBLY 615398 (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
15	70606771	2	PISTON
16	70607511	1	UNIVERSAL ASSEMBLY, piston rod (Includes item 17)
	70915274	1	FITTING, lubricating, 45°, 1/8"NPT
	70918295	1	CAPSCREW, 1"N x 5"
	70910916	1	LOCKWASHER, 1"
	70911047	1	NUT, 1"N
17	70606811	1	BUSHING, piston rod universal (bronze)
18	70606823	1	BUSHING, universal pivot (steel)
19	70609898	1	PIN, piston rod universal
	70915275	1	FITTING, lubricating, 65°, 1/8"NPT
20	70035244	1	CAPSCREW, 3/8"NC x 3/4"
	70904206	1	LOCKWASHER, 3/8"



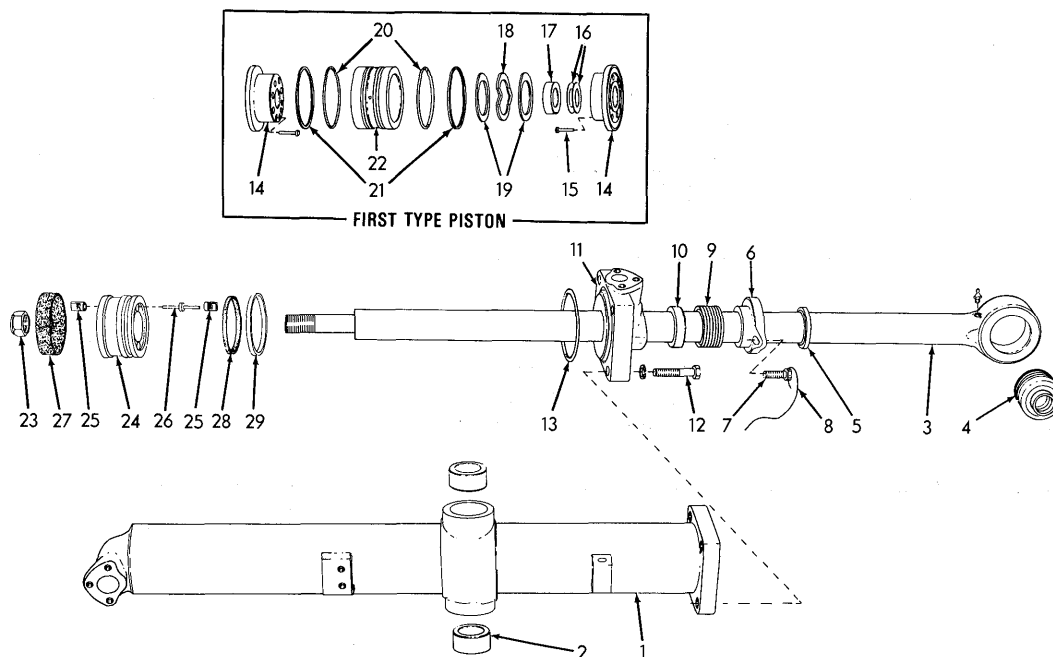
T-72808

CYLINDER CONVERSION KIT 70650011

USAGE: Provides travel-limit feature for CYLINDER ASSEMBLY 70615398 used on dozers prior to Oct. 15, 1966. Kit includes parts for two (2) cylinders.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70649992	2	ROD ASSEMBLY, piston (Includes item 2)
	70914465	2	FITTING, lubricating, straight, 1/8"NPT
2	70649899	2	BEARING, piston rod
3	-----	4	PISTON
4	-----	12	PIN, valve operating
5	-----	4	RING, sealing, piston ring (teflon)
6	-----	4	O-RING, piston ring (rubber)
7	-----	2	RING, piston
8	-----	10	SHIM, piston spacer (Use as req'd)
9	-----	2	SPACER, piston
10	-----	4	VALVE, piston
11	-----	2	SPRING, valve
12	70649995	2	PLATE, bumper
13	70649994	2	NUT, piston rod
	70910259	2	PIN, cotter, 5/32" x 1-3/4"

Order PISTON ASSY. 73054153



CYLINDER PARTS

T-72809

*70649900 CYLINDER ASSEMBLY
 **73054406 CYLINDER ASSEMBLY

See page 301

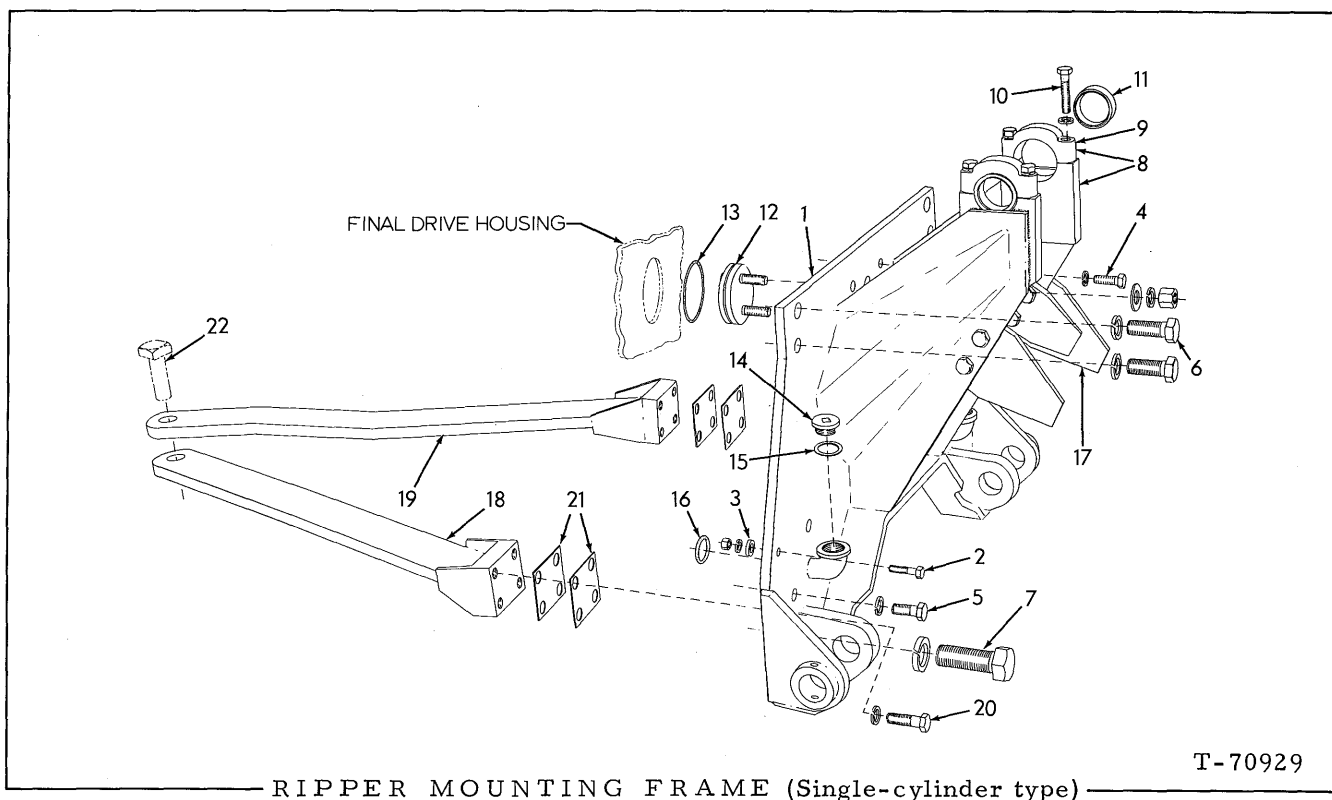
ITEM	PART NO.	QTY. * **		DESCRIPTION
NOTE: Quantities indicated are for one (1) cylinder				
1	70649902	1	1	CYLINDER ASSY. (Includes item 2)
2	70607605	2	2	BUSHING, cylinder pivot
3	70649901	1	1	ROD ASSY., piston (Includes item 4)
	70914465	1	1	FITTING, lubricating, straight, 1/8"NPT
4	70649899	1	1	BEARING, piston rod
5	73042531	1	1	☐ SEAL, piston rod wiping
6	70606730	1	1	RETAINER, gland packing
7	70035814	2	2	CAPSCREW (drilled-hd., 1/2"NC x 1-3/4")
8	70023633	2	2	WIRE, locking (1/16" x 12")
9	70607268	1	1	☐ PACKING SET, gland
10	70607270	1	1	☐ RING, seating, gland packing
11	70606772	1	1	COVER end
12	70035068	4	4	CAPSCREW, 1/2"NF x 2-1/4"
	70904208	4	4	LOCKWASHER, 1/2"
13	70924928	1	1	☐ O-RING, end cover

(Continued)

CYLINDER PARTS (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION	
		*	**		
14	-----	1	-	PISTON	} Order item 24
15	-----	6	-	PIN, valve operating	
16	-----	5	-	SHIM, piston spacer (Use as required)	
17	-----	1	-	SPACER, piston	
18	-----	1	-	SPRING, piston valve	
19	-----	2	-	VALVE, piston	
20	-----	2	-	O-RING, piston ring (rubber)	
21	-----	2	-	RING, sealing, piston ring (teflon)	
22	-----	1	-	RING, piston	
23	70925112	1	1	NUT, piston rod	
24	73054153	-	1	PISTON ASSY. (Includes items 25 thru 29)	
25	73054158	-	4	GUIDE, piston plunger	
26	73054157	-	2	PLUNGER, piston	
27	73054152	-	1	☐ RING, piston wear	
28	70926816	-	1	☐ RING, piston, inner (rubber)	
29	73054150	-	1	☐ RING, piston, outer (teflon)	
30	73054154	-	1	REPAIR KIT (Includes items 5, 9, 10, 13, 27, 28, 29)	

☐ Components of item 30



USAGE: Rippers prior to serial No. 3001.

*Tractors prior to serial No. 14351.

**Tractors serial No. 14351 and up.

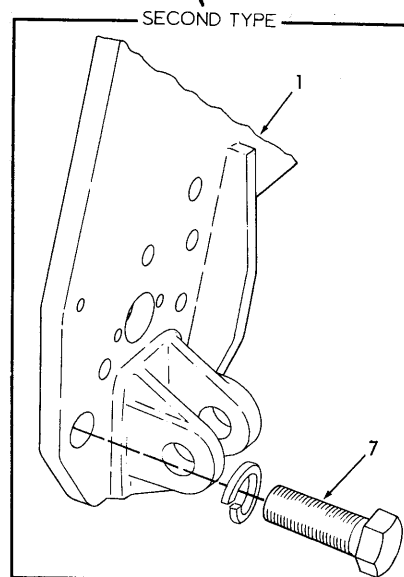
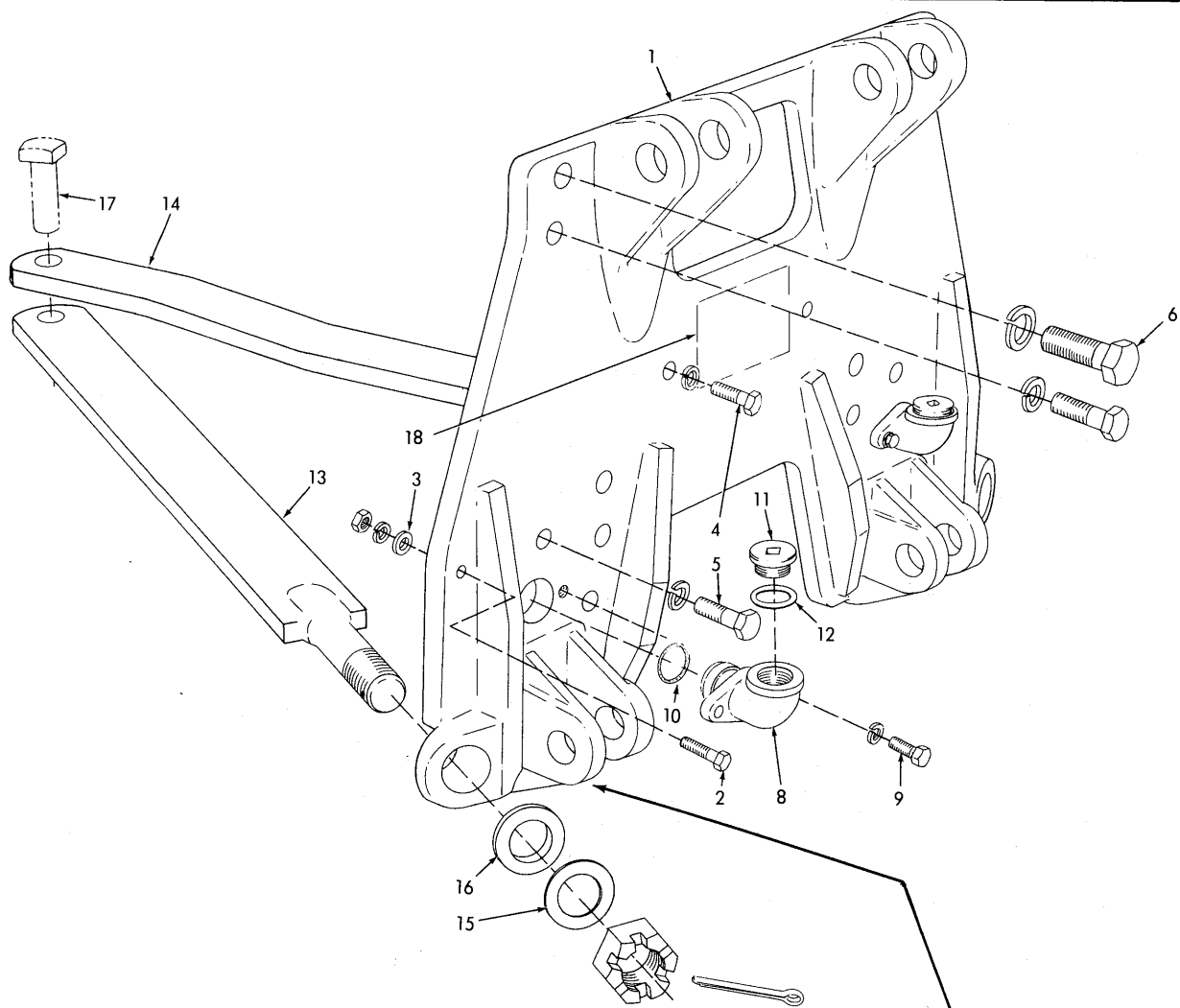
ITEM	PART NO.	QTY.	DESCRIPTION
		* **	
1	73016956	1 -	FRAME ASSY., cylinder mounting (Includes item 8)(Used prior to TR-6 #2001)
	70624884	1 -	FRAME ASSY., cylinder mounting (Includes item 8)(Effective with TR-6 #2001)
	70626273	- 1	FRAME ASSY., cylinder mounting (Includes item 8)
2	70035067	2 2	CAPSCREW, 1/2"NF x 2"
3	70064531	2 2	WASHER, plain
	70904208	2 2	LOCKWASHER, 1/2"
4	70911043	2 2	NUT, 1/2"NF
	70036707	4 4	CAPSCREW, 5/8"NC x 1-3/4"
5	70904209	4 4	LOCKWASHER, 5/8"
	70013238	6 6	CAPSCREW, 3/4"NC x 2"
6	70904369	6 6	LOCKWASHER, 3/4"
	70916260	6 6	CAPSCREW, 7/8"NC x 2-1/4"
7	70905347	6 6	LOCKWASHER, 7/8"
	70603426	2 2	CAPSCREW, 1"NC x 2-1/2"
7	70910916	2 2	LOCKWASHER, 1"
	70626276	- 2	CAPSCREW, 1-1/2"NC x 4-1/4"
	70913077	- 2	LOCKWASHER, 1-1/2"

(Continued)

RIPPER MOUNTING FRAME (Single-cylinder type) (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
8	70624882	2	2	TRUNNION ASSY., cylinder (Includes items 9 and 10)(Requires welding to install)
9	73001990	2	2	CAP, trunnion
10	70037573	4	4	CAPSCREW, 5/8" NC x 2-3/4"
	70904209	4	4	LOCKWASHER, 5/8"
11	70624957	2	2	BUSHING, cylinder trunnion
12	70624861	1	1	PLUG ASSY., bevel gear compartment (Includes studs)
	70900820	2	2	WASHER, plain, U.S. std., 3/4"
	70904369	2	2	LOCKWASHER, 3/4"
	70911045	2	2	NUT, 3/4" NF
13	70923589	1	1	O-RING, bevel gear compartment plug
14	70035250	2	2	PLUG, final drive filler hole
15	70667252	2	2	GASKET, final drive filler hole plug
16	70923826	2	2	O-RING, final drive filler hole
17	70624895	1	1	STOP, ripper frame, left hand
	70624896	1	1	STOP, ripper frame, right hand
	70916331	2	2	CAPSCREW, 3/4" NF x 2-1/4"
	70904369	4	4	LOCKWASHER, 3/4"
	70911045	4	4	NUT, 3/4" NF
18	70624867	1	-	DRAWBAR, mounting frame, left hand
19	70624868	1	-	DRAWBAR, mounting frame, right hand
20	70013465	8	-	CAPSCREW, 3/4" NF x 2-1/2"
	70904369	8	-	LOCKWASHER, 3/4"
21	70624838	-	-	SHIM, spacing, drawbar (Use as required)
22	-----	1	-	PIN (See DRAWBAR)

Effective with
TR-6 #2001



RIPPER MOUNTING FRAME (Dual-cylinder type)

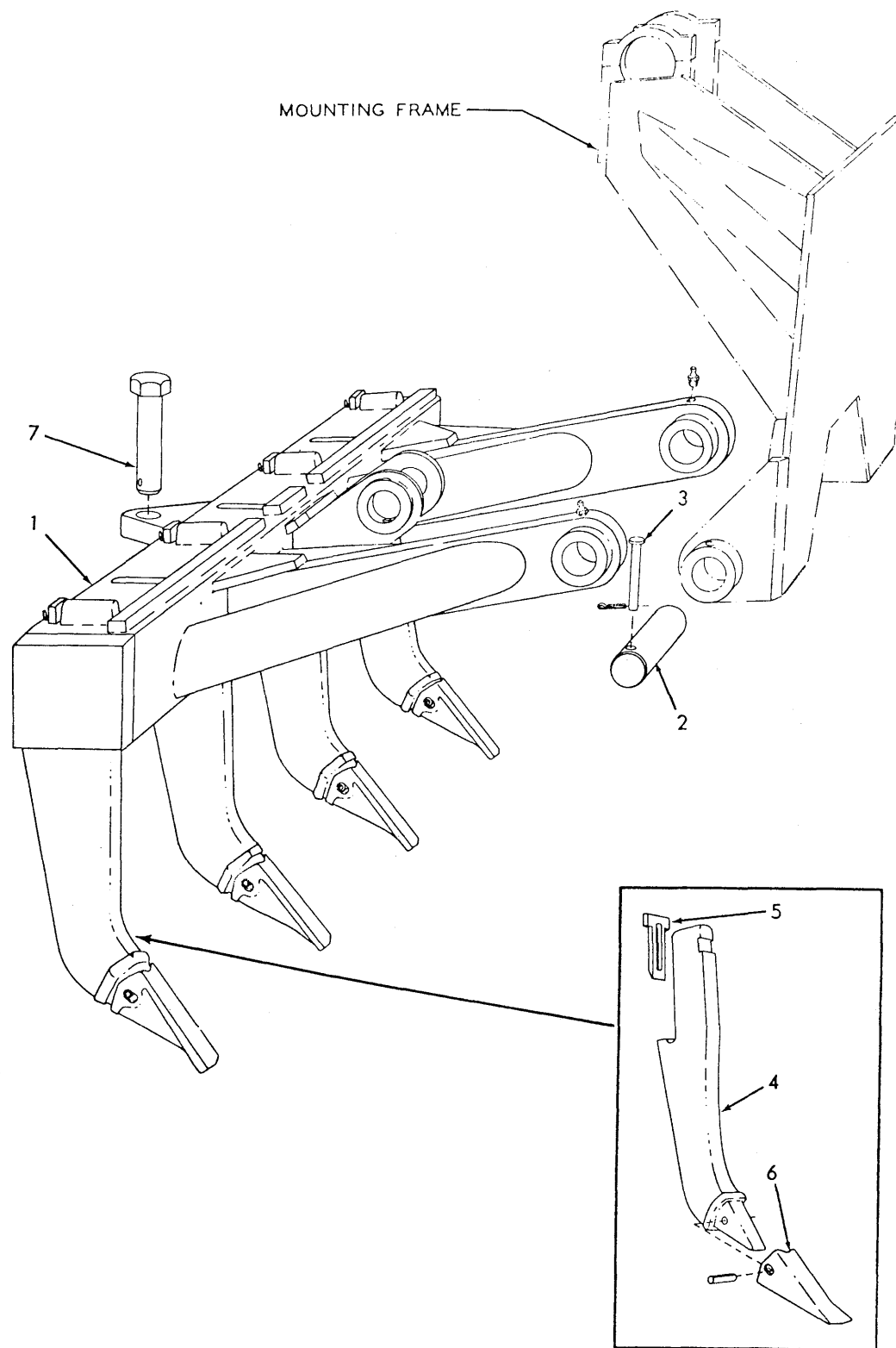
T-70930

RIPPER MOUNTING FRAME (Dual-cylinder type)

USAGE: Rippers serial No. 3001 and up

*Tractors prior to serial No. 14351
 **Tractors serial No. 14351 and up

ITEM	PART NO.	QTY. * **	DESCRIPTION
1	70627846	1 -	PLATE, mounting, cylinders and ripper
	70627876	- 1	PLATE, mounting, cylinders and ripper
2	70035068	2 2	CAPSCREW, 1/2"NF x 2-1/4"
3	70064531	2 2	WASHER, plain
	70904208	2 2	LOCKWASHER, 1/2"
	70911043	2 2	NUT, 1/2"NF
4	70071113	2 2	CAPSCREW, 5/8"NC x 2"
	70904209	2 2	LOCKWASHER, 5/8"
5	70070792	4 4	CAPSCREW, 3/4"NC x 2-1/2"
	70904369	4 4	LOCKWASHER, 3/4"
	70915334	6 6	CAPSCREW, 7/8"NC x 2-1/2"
	70905347	6 6	LOCKWASHER, 7/8"
6	70086755	2 2	CAPSCREW, 1"NC x 2-3/4"
	70910916	2 2	LOCKWASHER, 1"
7	70626276	- 2	CAPSCREW, 1-1/2"NC x 4-1/4"
	70913077	- 2	LOCKWASHER, 1-1/2"
8	70669147	2 2	ELBOW, oil filler, final drive housing
9	70070469	4 4	CAPSCREW, 1/2"NF x 1-1/4"
	70904208	4 4	LOCKWASHER, 1/2"
10	70924112	2 2	O-RING, oil filler elbow (1-7/8" O.D.)(Early units)
	70923702	2 2	O-RING, oil filler elbow (2-1/4" O.D.)(Late units)
11	70035250	2 2	PLUG, oil filler elbow
12	70667252	2 2	GASKET, oil filler elbow plug
13	70627841	1 -	BAR, reinforcing, mounting plate (left)
14	70627843	1 -	BAR, reinforcing, mounting plate (right)
15	70627833	2 -	WASHER, plain
	70916599	2 -	NUT, slotted, 1-3/4"NF
	70904016	2 -	PIN, cotter, 3/8" x 4"
16	70627836	2 -	SPACER, reinforcing bar
17	-----	1 -	PIN, drawbar
18	70662243	1 1	TRANSFER, installation torque data



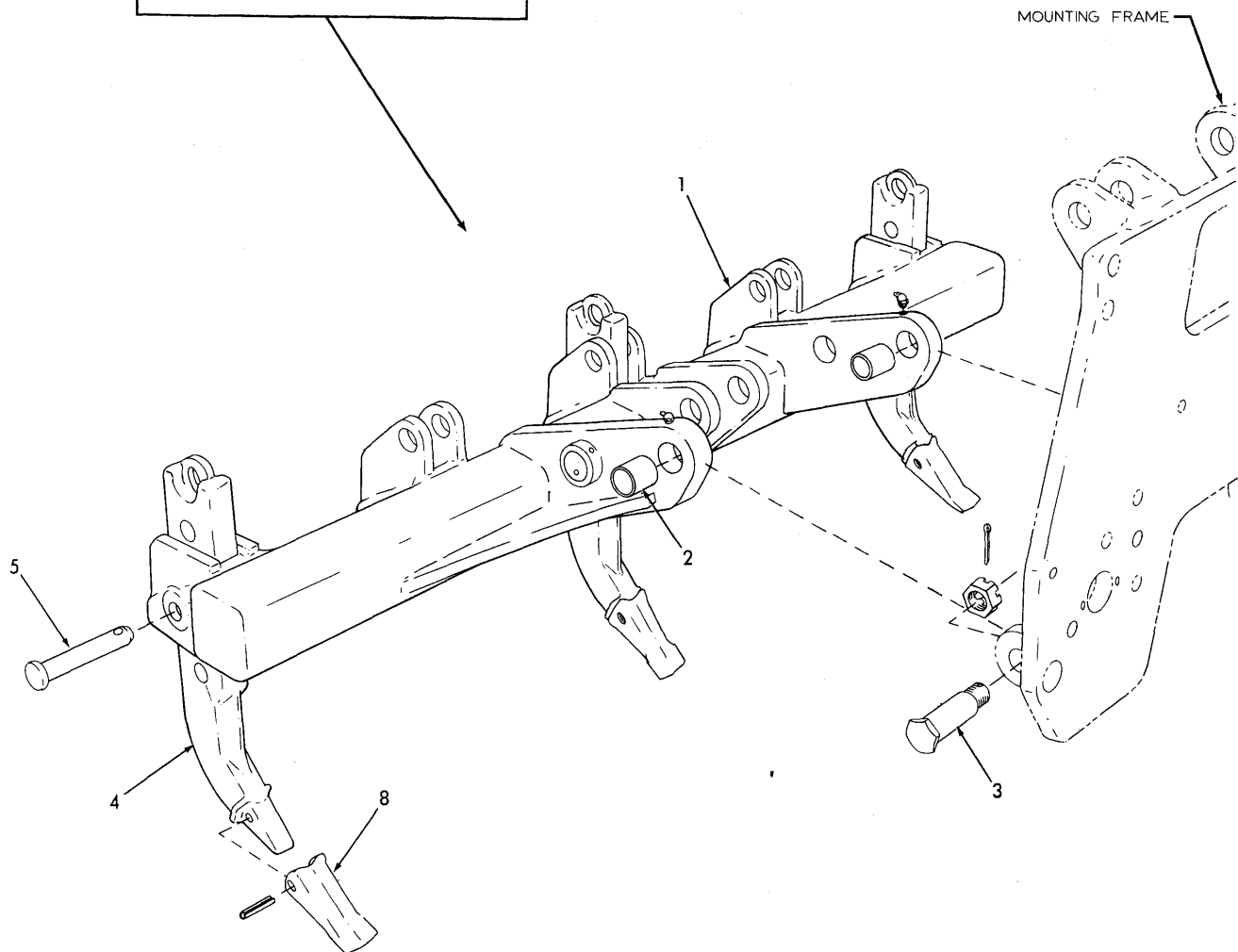
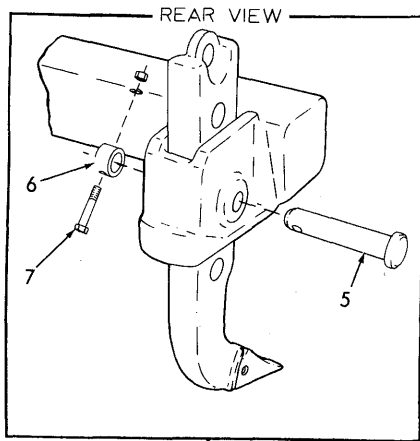
RIPPER FRAME (Single-cylinder type)

T-70927

RIPPER FRAME (Single-cylinder type)

USAGE: Rippers prior to serial No. 3001.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70626269	1	FRAME, ripper
	70914465	2	FITTING, lubricating, straight, 1/8"NPT
2	70626257	2	PIN, pivot, frame
3	73001622	2	PIN, lock, frame pivot
	70900806	2	PIN, cotter, 1/8" x 1"
4	70624871	4	SHANK, ripper tooth (Standard)
	70624960	4	SHANK, ripper tooth (Special. Long type)
	70624958	4	SHANK, ripper tooth (Special. Short type)
5	70624877	4	KEY, shank retaining
6	73014986	4	POINT, ripper shank (Standard)
	70918404	4	PIN, spring, 1/2" x 2-3/8"
	70624959	4	TOOTH, ripper shank (Special)
	73020853	4	POINT, ripper shank (Special. Heavy-duty type. For shank only)
	70921200	4	PIN, spring, 1/2" x 2-3/4"
7	70053746	1	PIN, drawbar



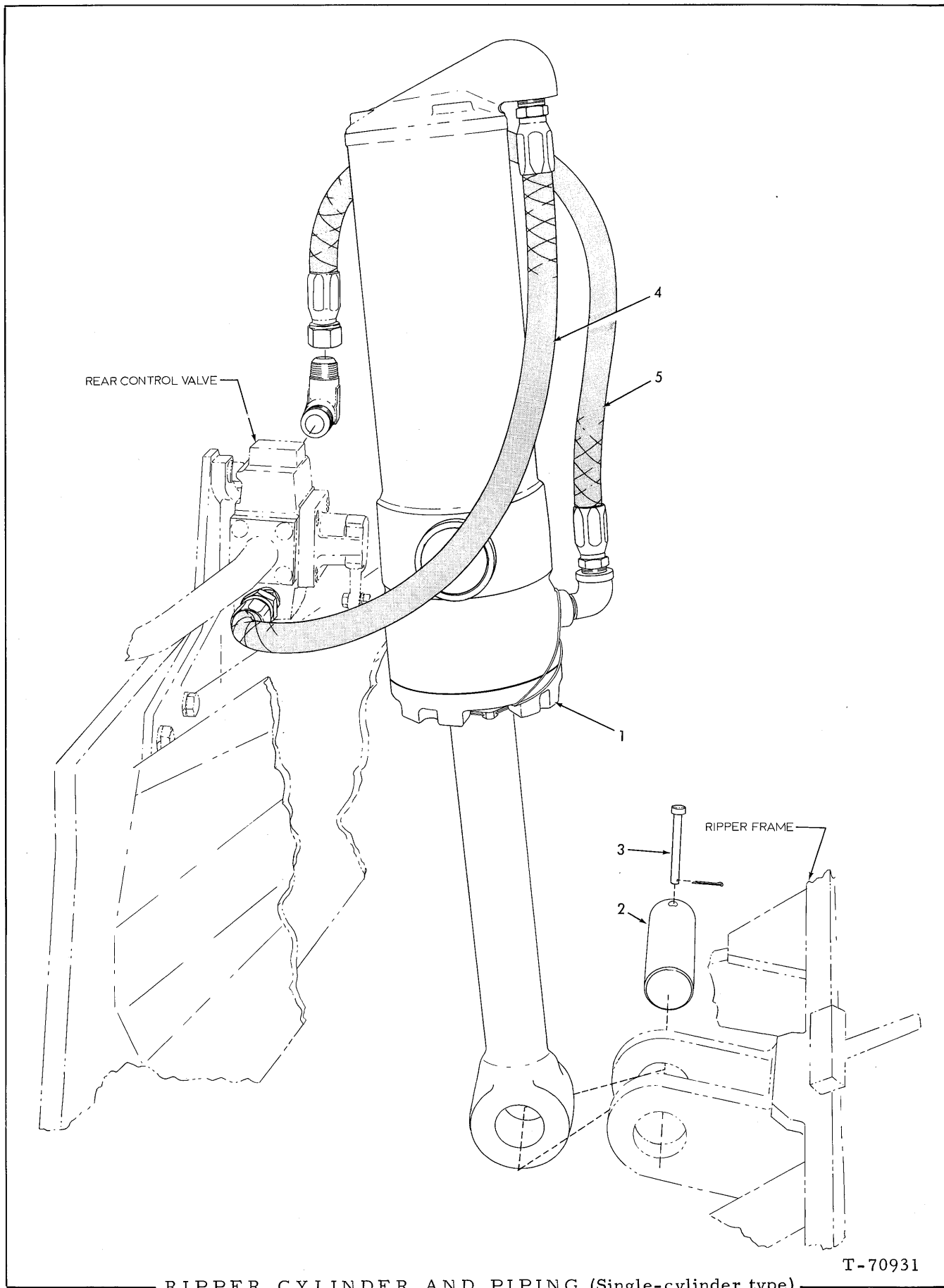
RIPPER FRAME (Dual-cylinder type)

T-70928

RIPPER FRAME (Dual-cylinder type)

USAGE: Rippers serial No. 3001 and up.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70627835	1	FRAME ASSY., ripper (Includes item 2)
	70915274	2	FITTING, lubricating, 45°, 1/8"NPT
2	70627857	2	BUSHING, ripper frame
3	70606485	2	BOLT, pivot, frame
	70912841	2	NUT, slotted, 1-1/4"NF
	70901345	2	PIN, cotter, 1/4" x 2-1/2"
4	70627845	3	SHANK, ripper point
5	70627839	3	PIN, ripper shank
6	70627834	3	COLLAR, ripper shank pin
7	70035892	3	CAPSCREW, 1/2"NF x 2-1/2"
	70904208	3	LOCKWASHER, 1/2"
	70911043	3	NUT, 1/2"NF
8	73014986	3	POINT, ripper shank
	70918404	3	PIN, spring, 1/2" x 2-3/8"
	73020853	3	POINT, ripper shank (Heavy-duty type)
	70921200	3	PIN, spring, 1/2" x 2-3/4"

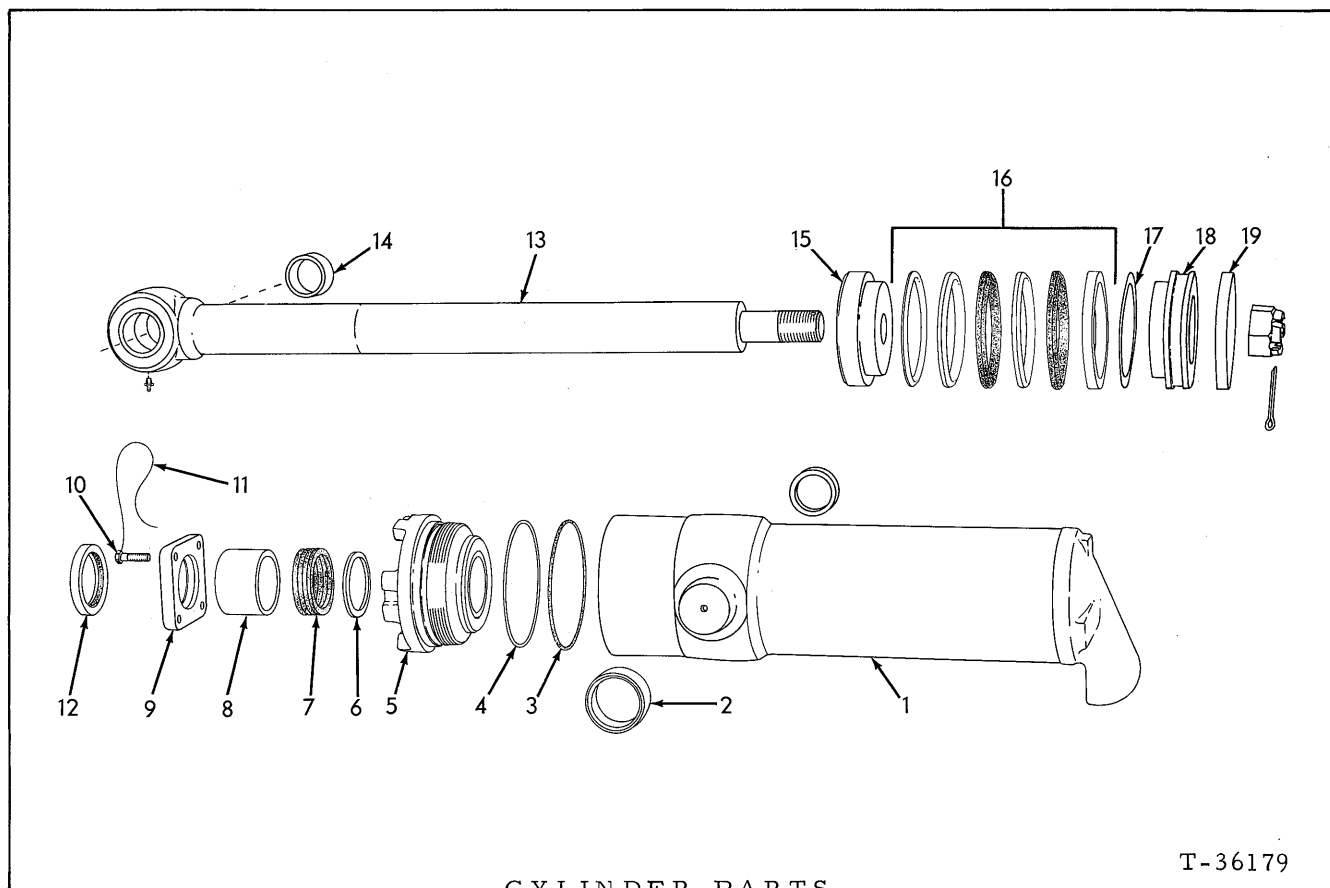


RIPPER CYLINDER AND PIPING (Single-cylinder type)

RIPPER CYLINDER AND PIPING (Single-cylinder type)

USAGE: Rippers prior to serial No. 3001. For tractors with dozer hydraulics and diverter valve providing rear hydraulic outlet.

ITEM	PART NO.	QTY.	DESCRIPTION
1	73017334	1	CYLINDER ASSY. (See page 316 for parts)(Used prior to ripper #2001)
	70624941	1	CYLINDER ASSY. (See page 316 for parts)(Effective with ripper #2001)
2	73001625	1	PIN, pivot, cylinder
3	73001622	1	PIN, lock, pivot pin
	70900806	1	PIN, cotter, 1/8" x 1"
4	73027812	1	HOSE ASSY., drop line (See HOSE PARTS)
	70919615	1	CONNECTOR, flare type, 3/4" tube, 1/2"NPT male
5	70624914	1	HOSE ASSY., raise line (See HOSE PARTS)
	70920751	1	ELBOW, flare type, 90°, 3/4" tube, 1/2"NPT male
	70901725	1	ELBOW, street, 90°, 3/4"NPT



USAGE: See page 315

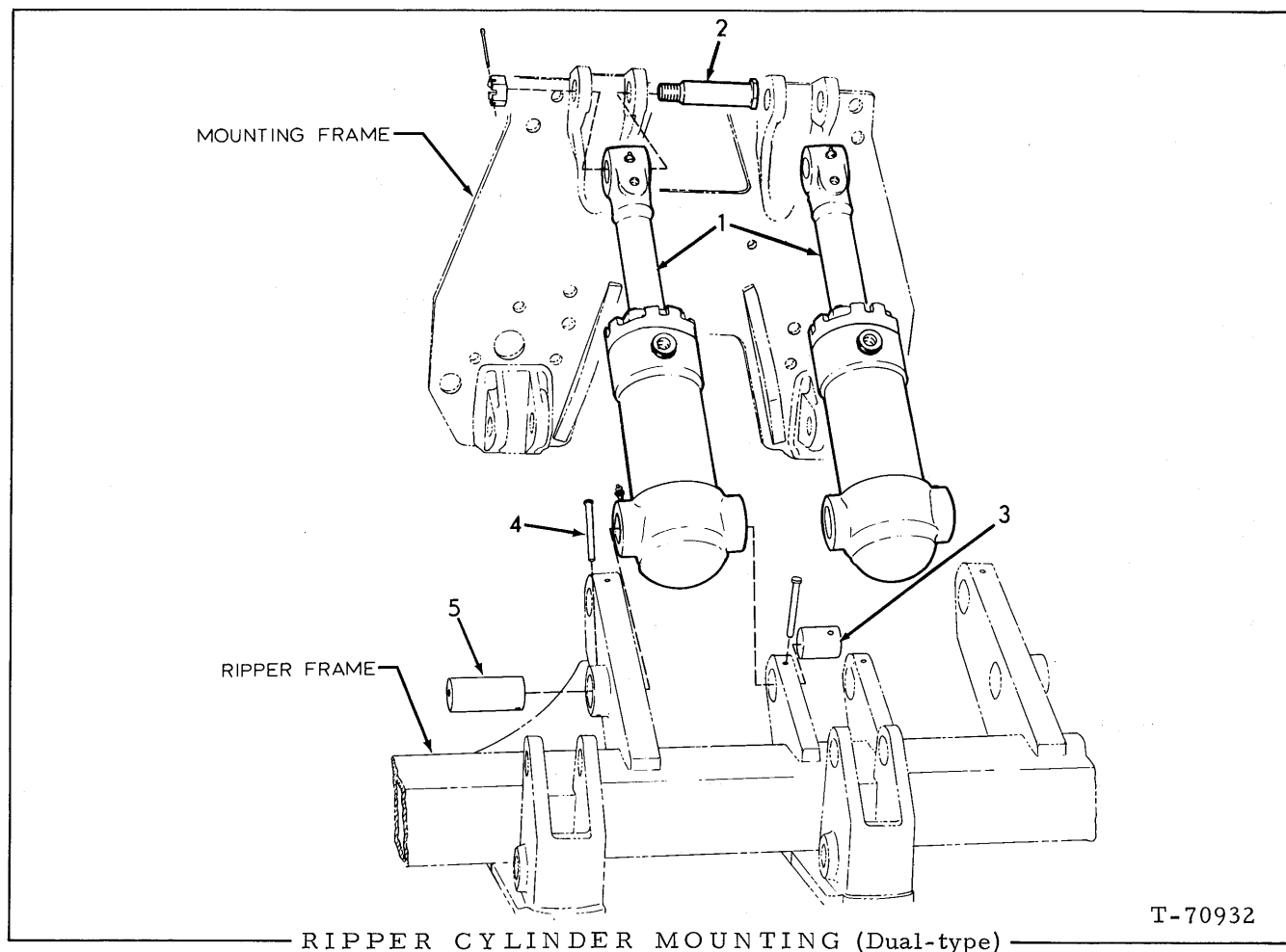
*73017334 CYLINDER ASSEMBLY
 **70624941 CYLINDER ASSEMBLY

ITEM	PART NO.	QTY. * **	DESCRIPTION
NOTE: Quantities indicated are for one (1) cylinder only			
1	73017333	1 -	TUBE ASSY., cylinder (Includes item 2)
	70624951	- 1	TUBE ASSY., cylinder (Includes item 2)
2	70624934	2 2	BUSHING, cylinder pivot
3	70924733	1 1	O-RING, cylinder head
4	73016189	1 1	RING, back-up
5	73016272	1 1	HEAD, cylinder
6	73001532	1 1	RING, backing
7	73017249	1 1	PACKING SET, piston rod
8	73016601	1 1	BEARING, rod packing

(Continued)

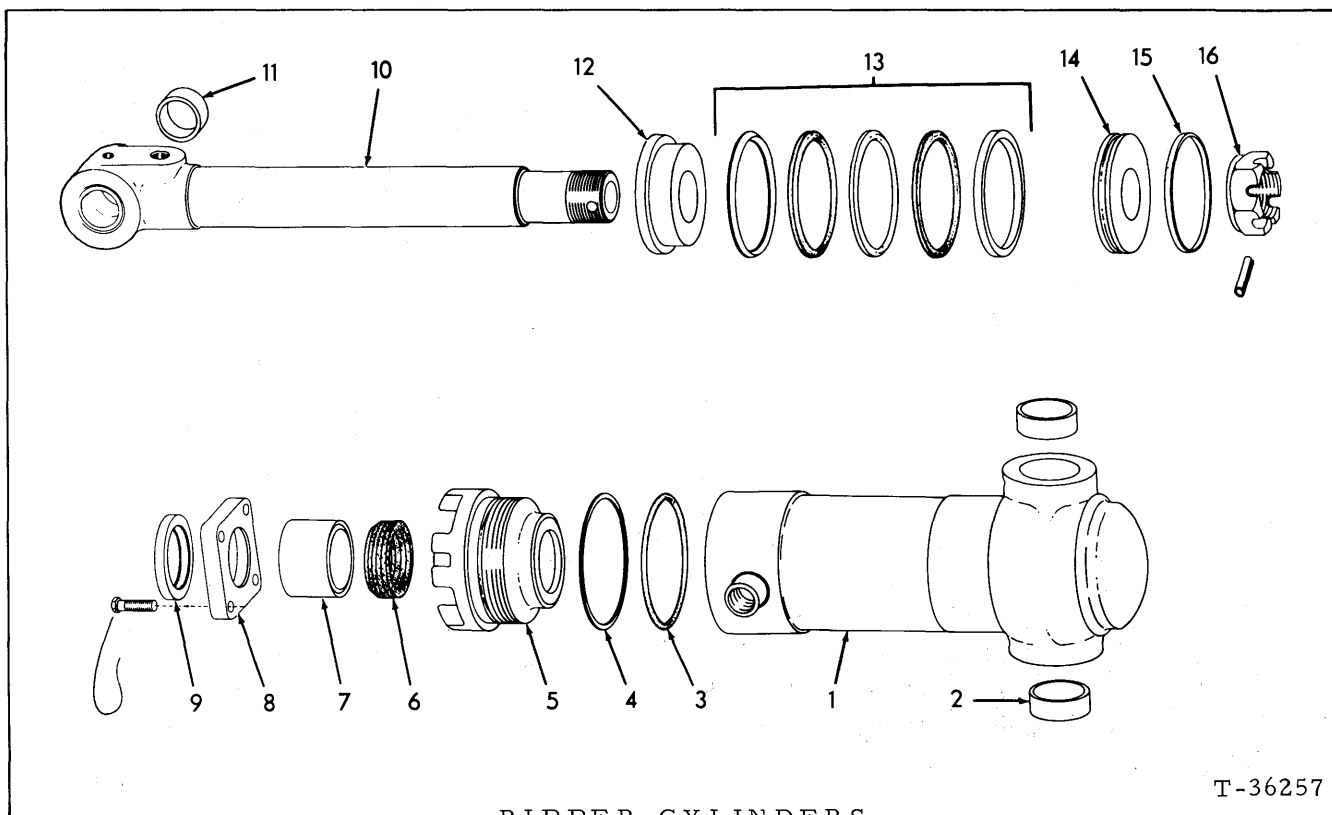
CYLINDER PARTS (Continued)

ITEM	PART NO.	QTY. * **	DESCRIPTION
9	73016405	1 1	PLATE, end
10	70033182	4 4	CAPSCREW, drilled-hd., 3/8"NCx 1-1/2"
11	70023756	1 1	WIRE, locking, 1/16" x 26"
12	73001538	1 1	SEAL, piston rod wiping
13	73004546	1 -	ROD ASSY., piston (Includes item 14)
	70624935	- 1	ROD ASSY., piston (Includes item 14)
	70914465	1 1	FITTING, lubricating, straight, 1/8"NPT
	70911058	1 1	NUT, slotted, 1-1/2"NF
	70901345	1 1	PIN, cotter, 1/4" x 2-1/2"
14	73001066	2 2	BUSHING, piston rod
15	73001300	1 1	PISTON, front
16	73001476	1 1	PACKING SET, piston
17	73003160	- -	SHIM, spacing (1/32" thick. Use as req'd)
18	73001478	1 1	PISTON, rear
19	73001482	1 1	RING, rear piston
20	73017561	1 1	CYLINDER REPAIR KIT (Consists of items 3, 4, 6, 7, 8, 10, 11, 12, 16 and 19)(Not illustrated)



USAGE:Rippers serial No. 3001 and up.

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	2	CYLINDER ASSY. (See pages 317 and 318) *
	70914465	2	FITTING, lubricating straight, 1/8"NPT
	70915274	4	FITTING, lubricating, 45°, 1/8"NPT
2	70627838	2	BOLT, pivot, cylinder (upper)
	70912841	2	NUT, slotted, 1-1/4"NF
	70901345	2	PIN, cotter, 1/4" x 2-1/2"
3	70617725	2	SHAFT, pivot, cylinder (lower-inside)
4	70626309	4	PIN, lock, pivot shaft
5	70627840	2	SHAFT, pivot, cylinder (lower-outside)

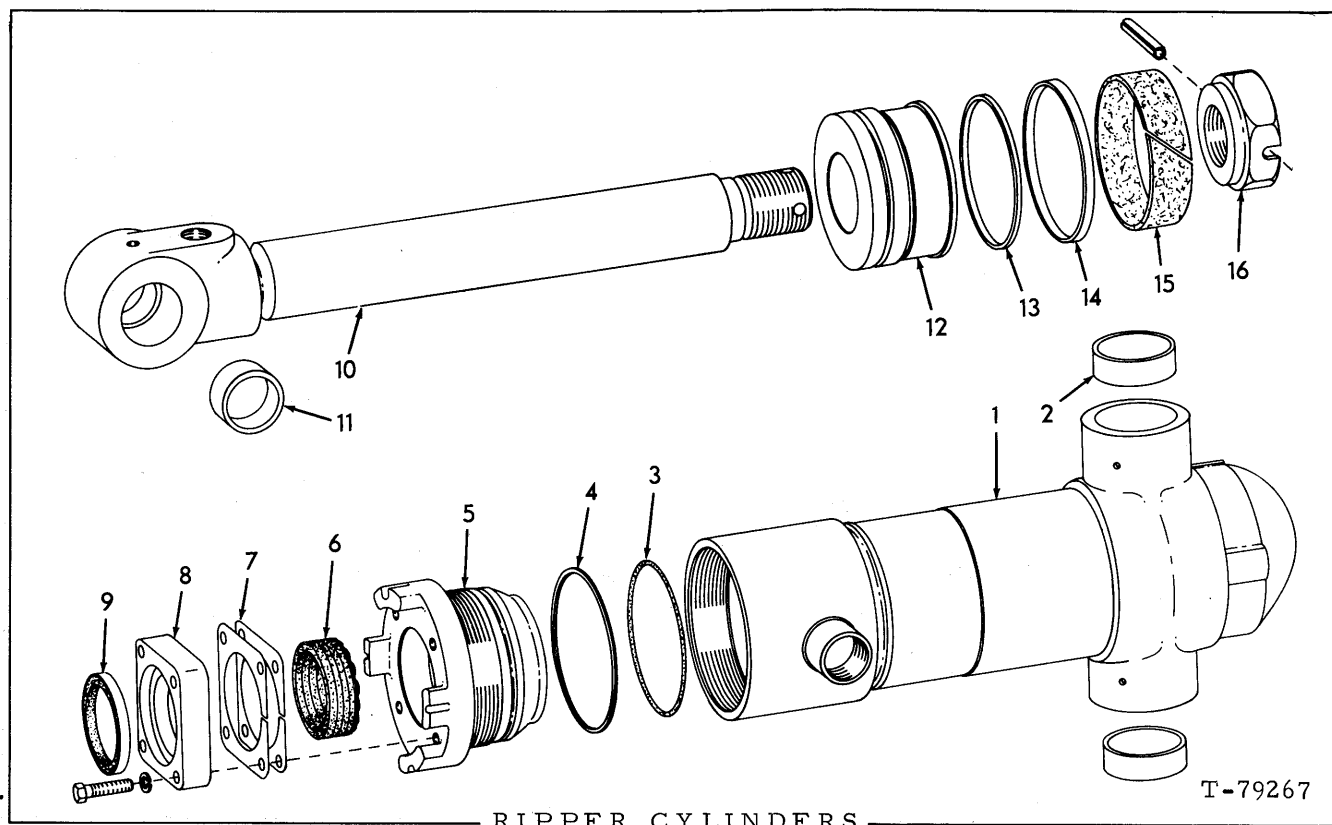


T-36257

RIPPER CYLINDERS

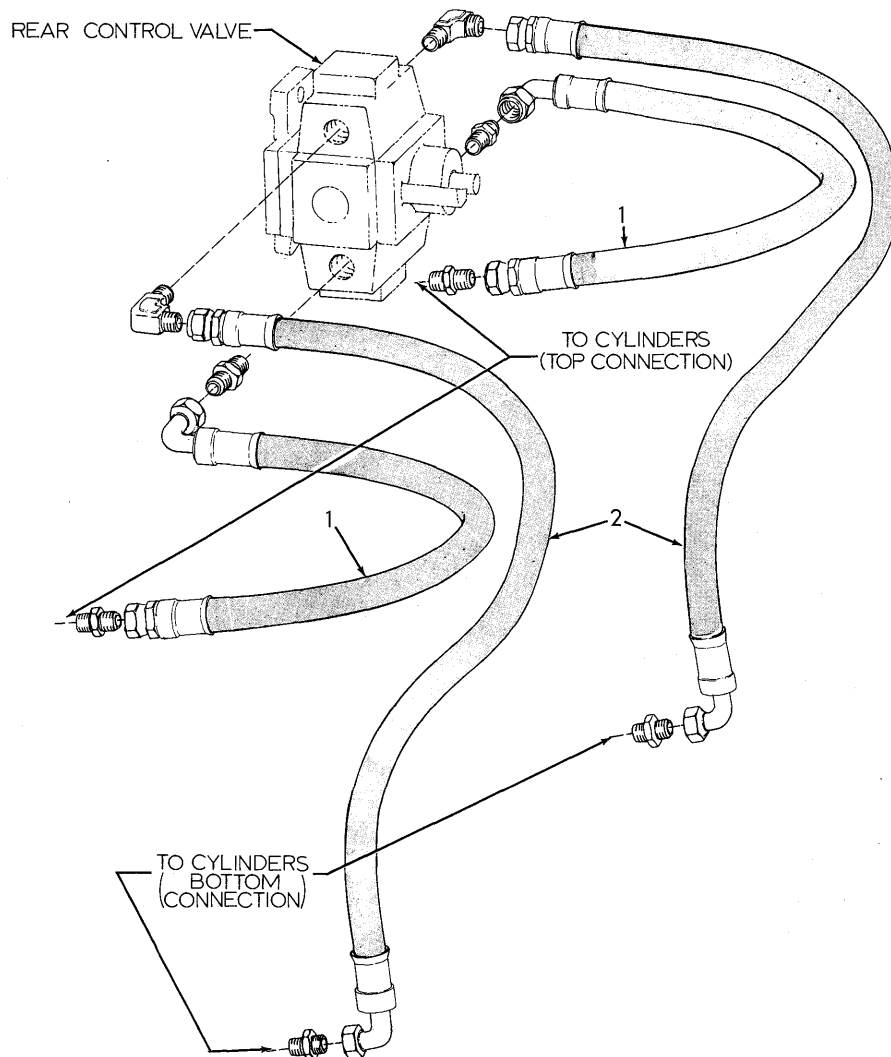
USAGE: See page 318. Used prior to September 1972.

ITEM	PART NO.	QTY.	DESCRIPTION
-	70627844	-	CYLINDER ASSY. (Includes items 1 thru 16)
1	70627850	2	CYLINDER ASSY. (Includes item 2)
2	70084965	4	BUSHING, cylinder pivot
3	70924784	2	O-RING, cylinder head
4	73013388	2	RING, back-up
5	73017499	2	HEAD, cylinder
6	70626182	2	PACKING SET, rod
7	73016601	2	BEARING, rod packing
8	73016405	2	PLATE, end
	70033182	8	CAPSCREW, drilled-hd., 3/8"NC x 1-1/2"
	70023756	2	WIRE, locking, 1/16" x 26"
9	73001538	2	SEAL, piston rod wiping
10	70627851	2	ROD ASSY., piston (hollow)(Includes item 11)
11	70607648	4	BUSHING, piston rod
12	73017469	2	PISTON, front
13	73013377	2	PACKING SET, piston
14	73017459	2	PISTON, rear
15	73013392	2	RING, bearing
16	70058925	2	NUT, lock, piston rod
	70919125	2	PIN, spring, 3/8" x 3"



USAGE: See page 318. Effective September 1972.

ITEM	PART NO.	QTY.	DESCRIPTION
-	73056698	2	CYLINDER ASSY. (Consists of items 1 thru 16)
1	73056697	2	CYLINDER ASSY. (Includes item 2)
2	70084965	4	BUSHING, cylinder pivot
3	70925247	2	O-RING, cylinder head
4	70926633	2	RING, back up
5	73062217	2	HEAD, cylinder
6	73053886	2	PACKING SET, rod
7	73054486	8	SHIM (.0299 thick. Use as req'd)
8	73059335	2	PLATE, end
	70914847	8	CAPSCREW, 3/8"NC x 1-1/2"
	70910287	8	LOCKWASHER, 3/8"
9	73052879	2	SEAL, piston rod wiping
10	73056695	2	ROD ASSY., piston (Includes item 11)
11	70607648	2	BUSHING, piston rod
12	73056691	2	PISTON
13	70926818	2	RING, inner
14	73052618	2	RING, outer
15	73052623	1	RING, wear
16	70058925	2	NUT, lock, piston rod
	70919125	2	PIN, spring, 3/8" x 3"

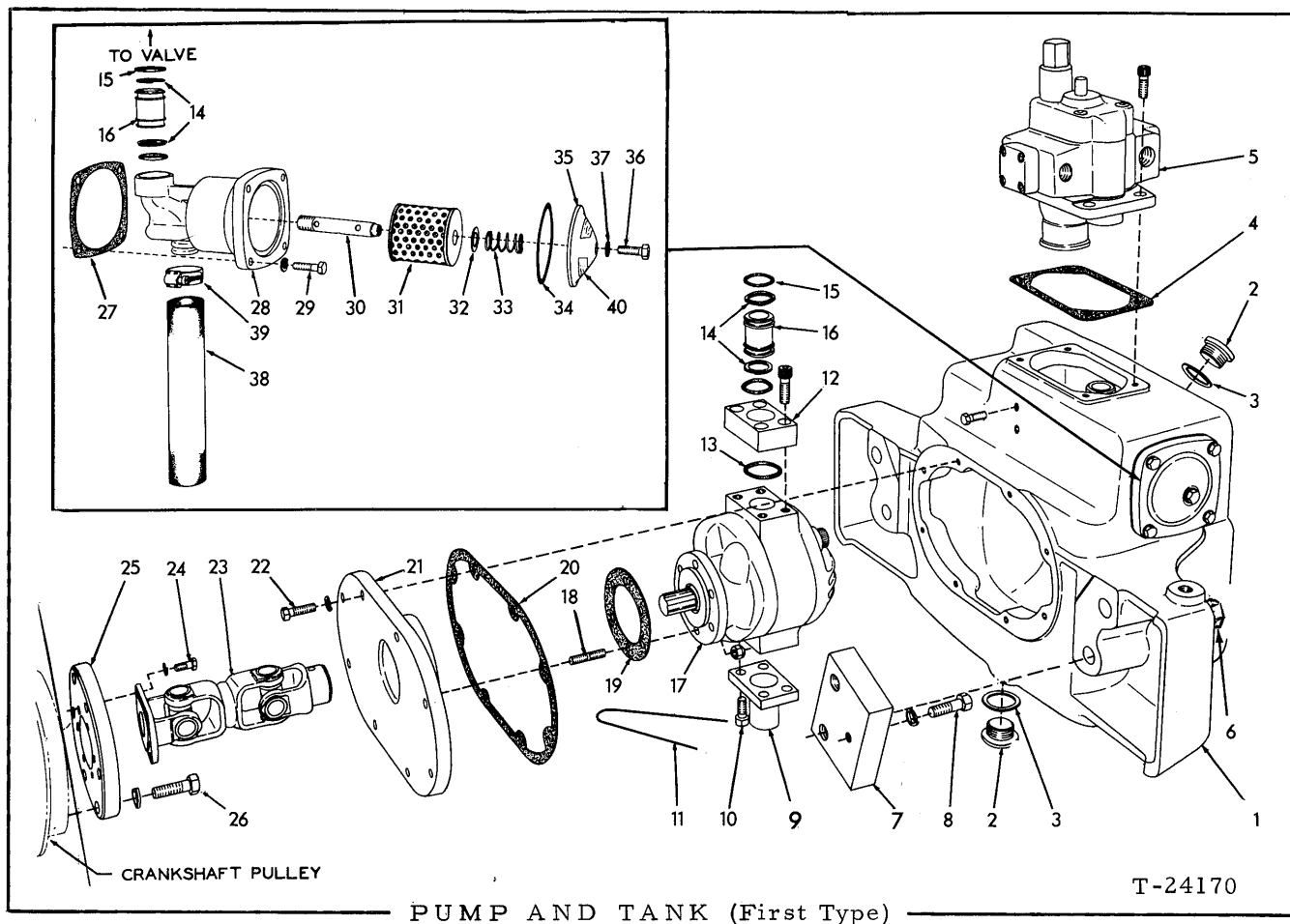


RIPPER CYLINDER PIPING (For dual cylinders)

T-71257

USAGE: Rippers serial No. 3001 and up. For tractors with dozer hydraulics and diverter valve providing rear hydraulic outlet.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70646221	2	HOSE, drop line (See HOSE PARTS)
	70919128	4	CONNECTOR, flare type, 1/2" tube, 1/2"NPT male
2	70646201	2	HOSE, raise line (See HOSE PARTS)
	70921466	2	CONNECTOR, flare type, 1/2" tube, 3/4"NPT male
	70919195	2	ELBOW, flare type, 90°, 1/2" tube, 1/2"NPT male



USAGE: Model 6HS and 6HA Dozers. Front-mounted. Units prior to September 1966.

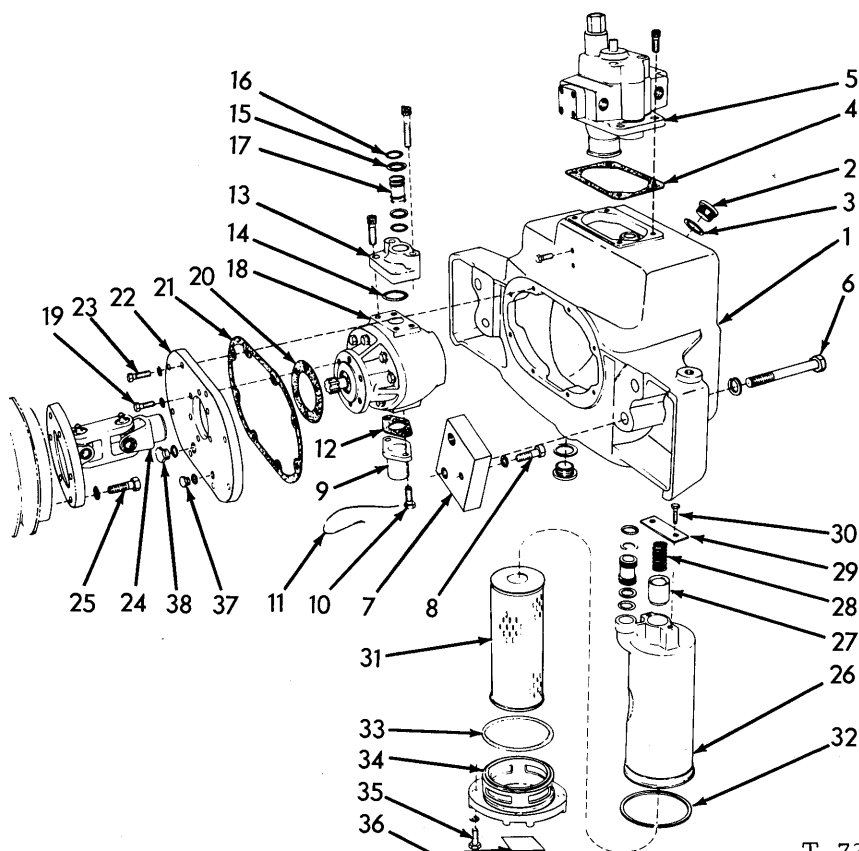
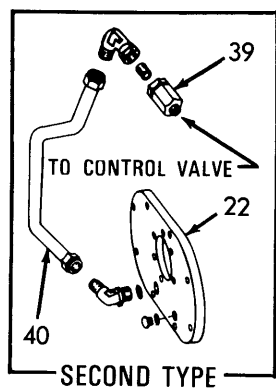
ITEM	PART NO.	QTY.	DESCRIPTION
1	70617831	1	TANK, oil
	70921081	2	CAPSCREW, Nylok, 5/16" NF x 3/4" (For attaching diverter valve control bracket)
2	70050594	2	PLUG, oil tank
3	70050595	2	GASKET, oil tank plug
4	70615660	1	GASKET, valve to tank
5	70615500	1	VALVE ASSY., control (See page 331) (Used prior to February 1966. Order VALVE ASSY. 70649486)
	70649486	1	VALVE ASSY., control (See page 331) (Effective February 1966)
	70917469	4	CAPSCREW, hex-socket-hd., 3/8" NF x 1"
6	70051655	4	CAPSCREW, tank attaching (3/4" NF x 5-1/4")
	70904369	4	LOCKWASHER, 3/4"

Also see
DIVERTING
SYSTEM for
special valves

(Continued)

PUMP AND TANK (First Type) (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
7	70619634	2	BLOCK, tapped
8	70035018	2	CAPSCREW, 1/2" NF x 1-1/2"
	70904208	2	LOCKWASHER, 1/2"
9	70615617	1	TUBE, suction
10	70059023	4	CAPSCREW, drilled-hd., 7/16" NC x 1"
11	70023633	1	WIRE, locking, 1/16" x 12"
12	70615611	1	FLANGE, pump outlet
	70918225	4	CAPSCREW, hex-socket-hd., 7/16" NC x 1-1/4"
13	70924192	1	O-RING, pump outlet flange
14	70619310	4	RING, back-up, coupling ring
15	70924092	4	O-RING, sleeve coupling
16	70615605	2	COUPLING, sleeve
17	70613382	1	PUMP ASSY., hydraulic (See page 326)
18	70617844	6	STUD (3/8" NF x 1-7/8")
	70913528	6	NUT, elastic stop, 3/8" NF
19	70615592	1	GASKET, pump to adapter
20	70617664	1	GASKET, pump adapter
21	70617567	1	ADAPTER, hydraulic pump
22	70012992	8	CAPSCREW, 3/8" NF x 1-1/4"
	70904206	8	LOCKWASHER, 3/8"
23	70615844	1	JOINT ASSY., universal (See page 328)
24	70057927	4	CAPSCREW, 5/16" NF x 3/4"
	70904205	4	LOCKWASHER, 5/16"
25	70617856	1	PLATE, joint adapting
26	70035190	6	CAPSCREW, 1/2" NC x 1-1/2"
	70904208	6	LOCKWASHER, 1/2"
27	70618792	1	GASKET, filter housing
28	70618795	1	HOUSING, oil filter
29	70043646	4	CAPSCREW, 5/16" NF x 1-1/4"
	70904205	4	LOCKWASHER, 5/16"
30	70618789	1	TUBE, oil filter
31	70625782	1	ELEMENT PACKAGE, filter (Includes item 34)
32	70618780	1	WASHER, filter element
33	70618791	1	SPRING, filter element
34	70637393	1	GASKET, filter cover
35	70618781	1	COVER, oil filter
36	70036034	1	CAPSCREW, 3/8" NF x 1"
37	70618779	1	WASHER, copper
38	70615594	1	HOSE, oil return
39	70921912	1	CLAMP, hose, 1-1/16" to 2" dia.
40	70619927	1	TRANSFER, instruction, oil filter



T-72810

PUMP AND TANK (Second type)

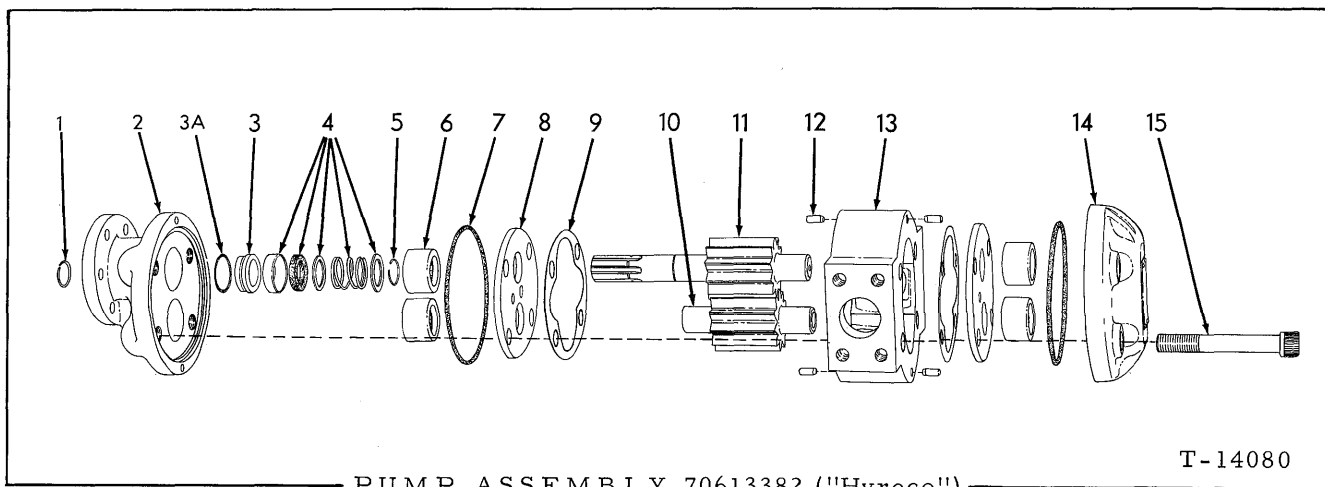
USAGE: Model 6HS and 6HA Dozers. Front-mounted. Effective September 1966.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70646255	1	TANK, oil
	70929172	2	CAPSCREW, Nylok, 5/16"NF x 3/4" (For attaching diverter valve control bracket)
2	70050594	2	PLUG, oil tank
3	70050595	2	GASKET, oil tank plug
4	70615660	1	GASKET, valve to tank
5	70683957	1	VALVE ASSY., control (See page 331 for parts. Also see DIVERTING SYSTEM for special valve)
	70912267	4	CAPSCREW, hex-socket-hd., 3/8"NC x 1"
6	70051655	4	CAPSCREW, tank attaching (3/4"NF x 5-1/4")
	70904369	4	LOCKWASHER, 3/4"
7	70619634	2	BLOCK, tapped
8	70035018	2	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	2	LOCKWASHER, 1/2"
9	70649334	1	TUBE, suction
10	70927474	2	CAPSCREW, drilled-hd., 1/2"NC x 1-3/16"
11	70023633	1	WIRE, locking, 1/16" x 12"
12	70649336	1	GASKET, suction tube
13	70649653	1	ADAPTER, pump outlet
	70912274	2	CAPSCREW, hex-socket-hd., 7/16"NC x 1-1/2"
	70924180	2	CAPSCREW, hex-socket-hd., 7/16"NC x 2"
14	70924112	1	O-RING, pump outlet adapter
15	70619310	4	RING, back-up, coupling ring

(Continued)

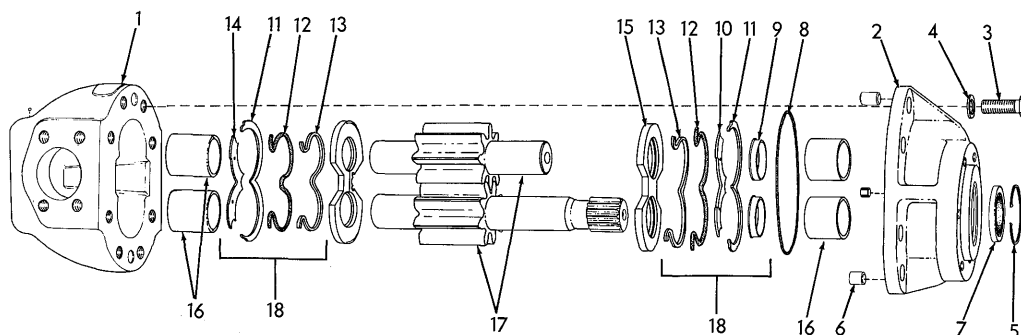
PUMP AND TANK (Second Type)(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION	
16	70924092	4	O-RING, sleeve coupling	
17	70615605	2	COUPLING, sleeve	
18	70649349	1	PUMP ASSY., hydraulic (See page 327)	
19	70922763	6	CAPSCREW, 3/8"NC x 1"	
	70650586	6	WASHER, copper	
20	70615592	1	GASKET, pump to adapter	
21	70617664	1	GASKET, pump adapter	
22	70649343	1	ADAPTER, hydraulic pump (Early Type)(Order 70659897 ADAPTER and items 37 and 38)	
	70659897	1	ADAPTER, hydraulic pump (Late type)	
23	70921076	8	CAPSCREW, 3/8"NC x 1-1/4"	
	70910287	8	LOCKWASHER, 3/8"	
24	70665610	1	JOINT ASSY., universal (See page 329)	
25	70035190	6	CAPSCREW, 1/2"NC x 1-1/2"	
	70904208	6	LOCKWASHER, 1/2"	
26	70646258	1	HOUSING, oil filter	
27	70649027	1	VALVE, oil by-pass	
28	70647108	1	SPRING, oil by-pass valve	
29	70646245	1	STRIP, retaining, oil by-pass valve	
30	70927354	2	CAPSCREW, 3/8"NF x 7/8"	
31	70647255	1	ELEMENT KIT, oil filter (Includes pair of filter elements; also item 33)	
32	70646244	1	RING, snap, housing retaining	
33	70924923	1	O-RING, oil filter cap	
34	70646243	1	CAP, oil filter	
35	70921076	4	CAPSCREW, 3/8"NC x 1-1/4"	
	70910287	4	LOCKWASHER, 3/8"	
36	70647253	1	TRANSFER, instruction, oil filter	
37	70921573	1	PLUG, pump adapter (Includes O-RING 70921349)	Not used when hydraulic tilt cylinder is installed
38	70921204	1	PLUG, pump adapter (Includes O-RING 70921206)(Tractors prior to unit #25245)	
39	70694100	1	VALVE, check	Tractor unit #25245 and up also used on prior units if conversion has been made
	70901511	1	NIPPLE, pipe, 3/4"NPT x 1-3/8"	
	70919624	1	ELBOW, 90°, flare type, swivel nut, 3/4" tube	
40	70694298	1	TUBE ASSY. (Includes NUTS)	
	70921203	1	ELBOW, adjustable, 90°, flare type 3/4"tube, 1-1/16"straight thread male end (Includes WASHER, NUT and O-RING)(Not used on units equipped with hydraulic tilt cylinder)	
	70921206	1	O-RING	



USAGE: See page 322

ITEM	PART NO.	QTY.	DESCRIPTION
1	73002997	1	RING, snap, drive shaft, (outside)
2	73009546	1	COVER, drive end
3	73007752	1	SEAT ASSY., drive shaft seal (Includes item 3A)
3A	73029725	1	O-RING, seal seat
4	73007753	1	SEAL ASSY., drive shaft (Serviced only as a unit)
5	73003689	1	RING, snap, drive shaft, (inside)
6	73025030	4	BEARING, needle
7	70923591	2	O-RING, sealing, pump housing
8	73003009	2	PLATE, wear
9	73003691	-	GASKET, shimming, wear plate (.001" thick)
	73003692	-	GASKET, shimming, wear plate (.002" thick)
} Use as req'd			
10	70613392	1	GEAR, driven
11	70613390	1	GEAR, drive
12	73003002	4	PIN, dowel, pump housing (5/16" x 3/4")
13	70613391	1	HOUSING, pump
14	73007756	1	COVER, pump
15	73003698	4	CAPSCREW (hex-socket, 5/8"NF x 4")



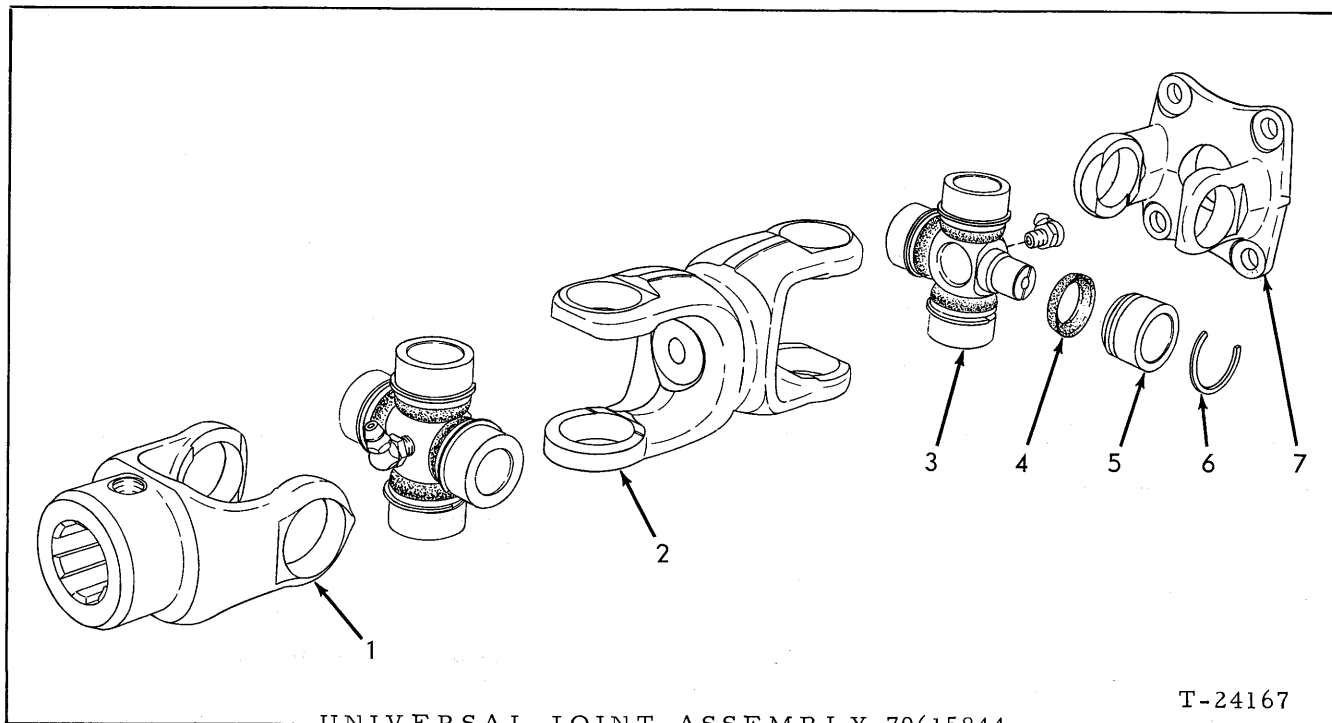
T-72497

PUMP ASSEMBLY 70649349 ("Tyrone")

USAGE: See page 324

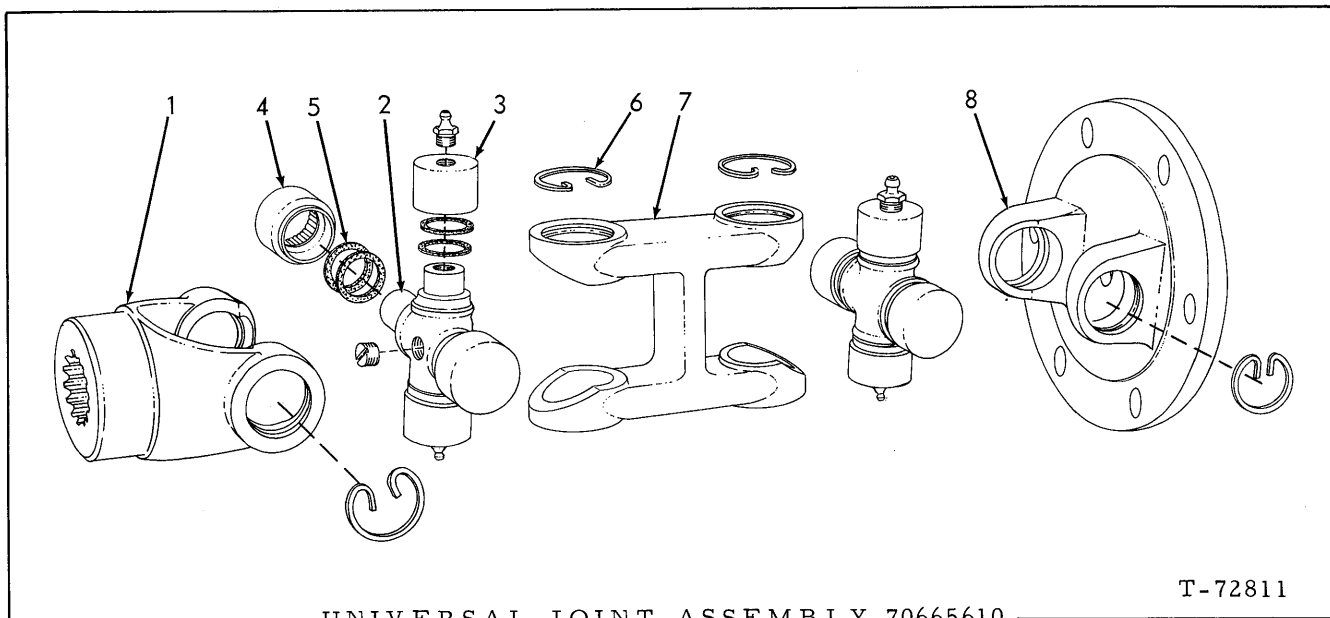
*Pumps prior to serial No. 118655
 **Pumps serial No. 118655 and up

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	70656779	1	1	BODY ASSY. (Includes bushings and BALL indented below)
	70915906	1	1	BALL, steel, 3/16" diam.
2	70655371	1	1	FLANGE ASSY. (Includes bushings and PLUG indented below)
	70910231	1	1	PLUG, pipe, hex-socket, 1/8"NPT
3	70035061	8	8	CAPSCREW, 1/2"NC x 1-1/4"
4	70651109	8	8	WASHER, plain
5	70194166	1	1	RING, snap
6	70194132	2	2	PIN, dowel, pump body
7	70194165	1	1	SEAL, oil
8	70925655	1	1	O-RING, mounting flange
9	70659716	2	-	RING, mounting flange (steel)
	70664694	-	2	RING, mounting flange (steel)
10	70196775	1	-	PLATE, isolation
	70665098	-	1	PLATE, isolation
11	70651108	2	-	RETAINER, sealing ring (nylon)
	70665099	-	2	RETAINER, sealing ring (nylon)
12	70194161	2	-	RING, sealing (rubber)
	70665097	-	2	RING, sealing (rubber)
13	70651105	2	-	RING, back-up (teflon)
	70665096	-	2	RING, back-up (teflon)
14	70659714	1	-	PLATE, isolation
	70665095	-	1	PLATE, isolation
15	70658241	2	2	PLATE, wear
16	70656741	4	4	BUSHING
17	70660427	1	1	GEAR KIT (Consists of 2 matched gears)
18	70665141	-	1	SEAL KIT (Consists of items 9 thru 14; includes full set for both sides)



USAGE: See page 322

ITEM	PART NO.	QTY.	DESCRIPTION
1	70617905	1	YOKE, front (splined)
2	-----	1	YOKE, center (Not serviced separately)
3	70617909	2	JOURNAL KIT (Includes items 4 thru 6 and FITTING indented below)
	70915538	2	FITTING, lubricating, 65°, 1/4" - 28NS
4	70619657	8	SEAL, journal bearing
5	-----	8	BEARING, needle (Not serviced separately)
6	70617907	8	RING, snap, journal bearing
7	70617906	1	YOKE, rear (flanged)

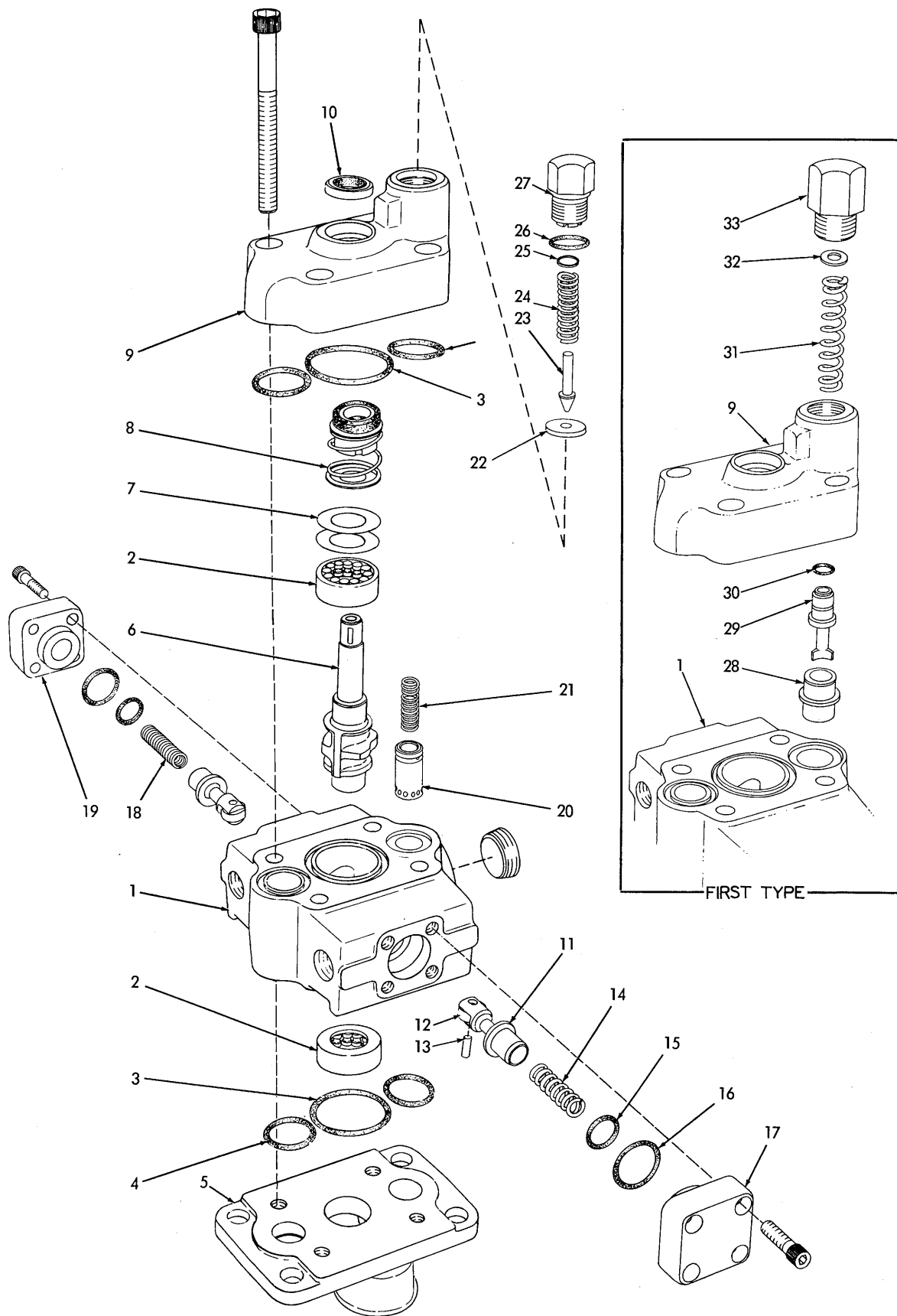


UNIVERSAL JOINT ASSEMBLY 70665610

T-72811

USAGE: See page 324

ITEM	PART NO.	QTY.	DESCRIPTION
1	70649344	1	YOKE, front (splined)
2	70665611	2	SPIDER ASSY. (Includes items 3 thru 6 and PLUG indented below)
	70910230	2	PLUG, pipe, 1/8"NPT
3	-----	4	BEARING ASSY. (Not serviced separately)
	70914465	4	FITTING, lubricating, straight, 1/8"NPT
4	-----	4	BEARING ASSY. (Not serviced separately)
5	73011023	16	WASHER, cork (Early units)
	-----	8	SEAL, rubber (Late units. Not serviced separately)
6	70618804	8	RING, snap, bearing retaining
7	70649347	1	YOKE, center
8	70625524	1	YOKE, rear (flanged)



CONTROL VALVE PARTS

T-24168

CONTROL VALVE PARTS

* VALVE ASSEMBLY 70615500 (Standard)(See page 322)
 ** VALVE ASSEMBLY 70618912 (Special)(See page 338)
 Δ VALVE ASSEMBLY 70683957 (Standard)(See pages 322 and 324)
 ΔΔ VALVE ASSEMBLY 70684036 (Special)(See page 338)

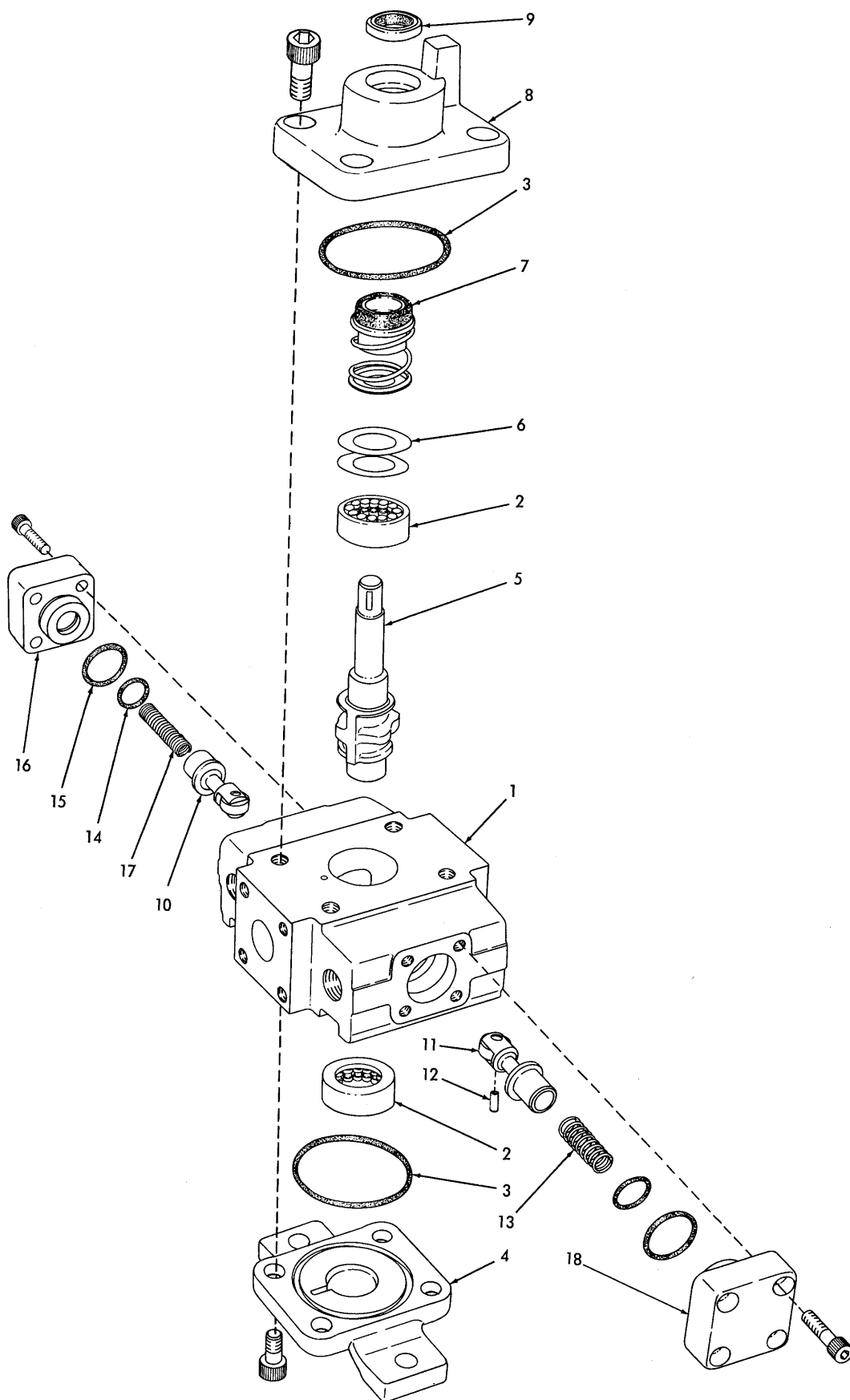
ITEM	PART NO.	QUANTITY				DESCRIPTION
		*	**	Δ	ΔΔ	
1	70615497	1	-	-	-	HOUSING
	70901652	1	-	-	-	PLUG, pipe, 1/4"NPT (Used prior to Valve #601)
	70904224	1	-	-	-	PLUG, pipe, ctsk-hd., 3/4"NPT (Effective with Valve #601)
	70649850	-	-	1	-	HOUSING
	70904224	-	-	1	-	PLUG, pipe, ctsk-hd., 3/4"NPT (Tractors prior to unit #25245)
	70618914	-	1	-	-	HOUSING
	70649487	-	-	-	1	HOUSING
						} Not illustrated
2	70619339	2	2	2	2	BEARING, rotor
3	70924193	2	2	2	2	O-RING, housing (large)
4	70924092	4	4	4	4	O-RING, housing (small)
5	70619175	1	1	1	1	ADAPTER
6	70683949	1	1	1	1	ROTOR
7	70615543	2	2	2	2	SHIM, rotor bearing (.001" thick)
	70615541	2	2	2	2	SHIM, rotor bearing (.003" thick)
	70615542	2	2	2	2	SHIM, rotor bearing (.005" thick)
8	70618834	1	1	1	1	SEAL ASSEMBLY, rotor stem (Serviced only as a unit)
9	70615498	1	1	-	-	HEAD, top
	70649483	-	-	1	1	HEAD, top
	70929232	4	4	4	4	CAPSCREW, hex-socket-hd., 7/16"NC x 4"
10	70618841	1	1	1	1	SEAL, oil, rotor stem
11	70615495	2	2	2	2	VALVE
12	70615501	2	2	2	2	ROLLER, valve
13	70615502	2	2	2	2	PIN, valve roller
14	70615535	1	1	1	1	SPRING, raise valve
15	70923379	2	2	2	2	O-RING, housing cap, inner
16	70924110	2	2	2	2	O-RING, sealing, housing cap, outer
17	70615492	1	1	1	1	CAP, raise valve
	70924100	4	4	4	4	CAPSCREW, hex-socket-hd., 5/16"NC x 1-1/2"
18	70615536	1	1	-	-	SPRING, drop valve
	70649478	-	-	1	1	SPRING, drop valve

(Continued)

CONTROL VALVE PARTS (Continued)

ITEM	PART NO.	QUANTITY				DESCRIPTION
		*	**	Δ	ΔΔ	
19	70615492	1	1	-	-	CAP, drop valve
	70912264	4	4	-	-	CAPSCREW, hex-socket-hd., 5/16"NC x 1"
	70649481	-	-	1	1	CAP, drop valve
	70922996	-	-	4	4	CAPSCREW, hex-socket-hd., 5/16"NC x 1"
20	70649480	-	-	1	1	VALVE, pressure relief
21	70040475	-	-	1	1	SPRING, pressure relief valve
22	70649479	-	-	1	1	SEAT, pilot relief valve
23	70627951	-	-	1	1	VALVE, pilot relief
24	70627952	-	-	1	1	SPRING, pilot relief valve
25	70627948	-	-	3	3	SHIM, pilot relief valve (.020" thick)
	70627978	-	-	2	2	SHIM, pilot relief valve (.062" thick)
						} Use as required
26	70923810	-	-	1	1	O-RING, relief valve cap
27	70649482	-	-	1	1	CAP, relief valve
28	70615504	1	1	-	-	SEAT, pressure relief valve
29	70615503	1	1	-	-	VALVE, pressure relief
30	70923663	1	1	-	-	O-RING, pressure relief valve
31	70615537	1	1	-	-	SPRING, pressure relief valve
32	70912369	2	2	-	-	WASHER, shimming (Use as required)
33	70615511	1	1	-	-	CAP, pressure relief valve

MEMO



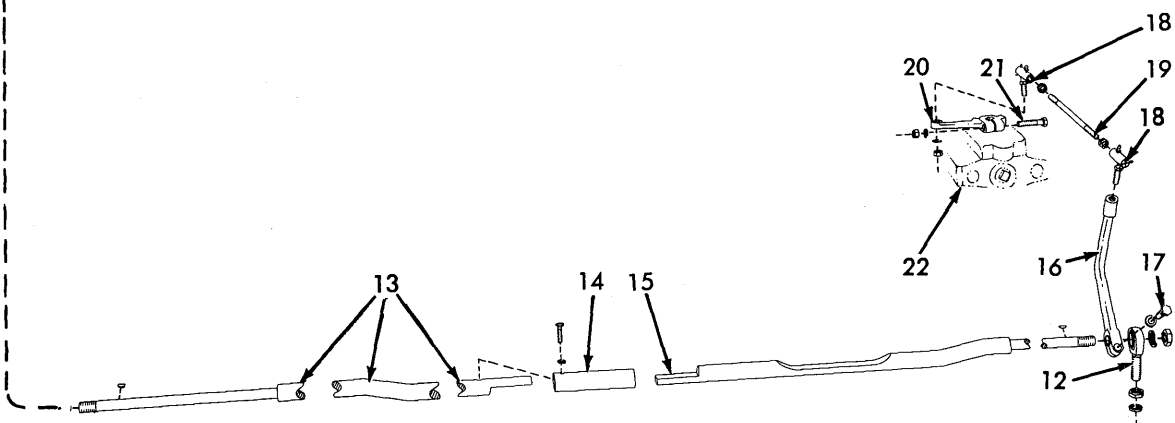
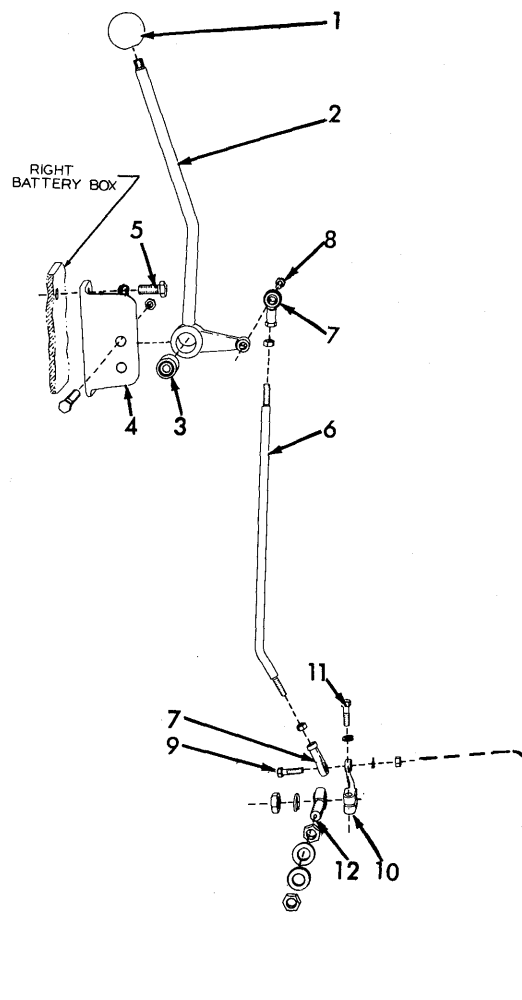
CONTROL VALVE ASSEMBLY 618911

T-24171

CONTROL VALVE ASSEMBLY 70618911

USAGE: Rear mounted. Functions with Diverting System. See page 338

ITEM	PART NO.	QTY.	DESCRIPTION
1	70618903	1	HOUSING
2	70619339	2	BEARING, rotor
3	70923929	2	O-RING, head
4	70618904	1	HEAD, bottom
	70912273	4	CAPSCREW, socket-hd., 7/16"NC x 1"
5	70615490	1	ROTOR
6	70615543	2	SHIM, rotor bearing (.001" thick. Use as req'd)
	70615541	2	SHIM, rotor bearing (.003" thick. Use as req'd)
	70615542	2	SHIM, rotor bearing (.005" thick. Use as req'd)
7	70618834	1	SEAL ASSEMBLY, rotor stem (Serviced only as a unit)
8	70618902	1	HEAD, top
	70912273	4	CAPSCREW, socket-hd., 7/16"NC x 1"
9	70618841	1	SEAL, oil, rotor stem
10	70615495	2	VALVE
11	70615501	2	ROLLER, valve
12	70615502	2	PIN, valve roller
13	70615535	1	SPRING, raise valve
14	70923379	2	O-RING, housing cap, inner
15	70924110	2	O-RING, housing cap, outer
16	70615492	1	CAP, drop valve (Used prior to February 1966)
	70912264	4	CAPSCREW, socket-hd., 5/16"NC x 1"
	70649481	1	CAP, drop valve (Effective February 1966)
	70924100	4	CAPSCREW, socket-hd., 5/16"NC x 1-1/2"
17	70615536	1	SPRING, drop valve (1-7/16" long)(Used prior to February 1966)
	70649478	1	SPRING, drop valve (2-1/16" long)(Effective February 1966)
18	70615492	1	CAP, raise valve
	70912264	4	CAPSCREW, socket-hd., 5/16"NC x 1"



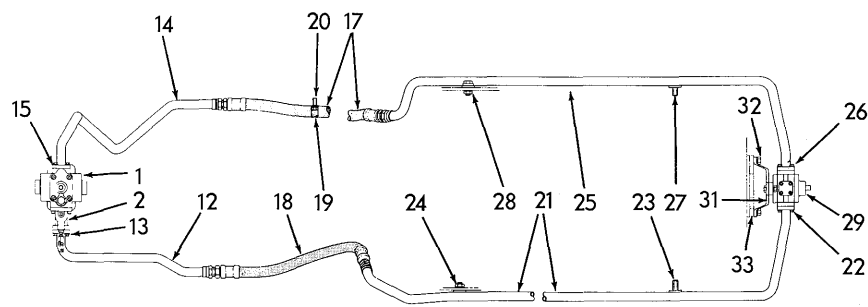
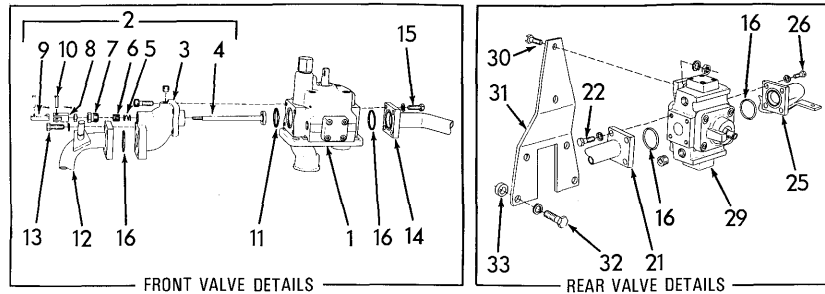
FRONT VALVE CONTROL

T-33429

FRONT VALVE CONTROL

USAGE: Model 6HS and 6HA dozers. For tractors with hydraulic brakes and steering control.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70091862	1	KNOB, operating lever
2	70625952	1	LEVER, operating
3	70606392	1	BEARING, operating lever
	70914339	1	CAPSCREW, 3/8"NF x 2-3/4"
	70913528	1	NUT, elastic stop, 3/8"NF
4	70626499	1	BRACKET, operating lever
5	70921175	2	CAPSCREW, 1/2"NC x 1"
	70904208	2	LOCKWASHER, 1/2"
6	70646018	1	ROD, rear
	70911041	2	NUT, 3/8"NF
7	70617932	2	END, rear control rod
8	70012992	1	CAPSCREW, control rod end (3/8"NF x 1-1/4")
9	70036039	1	CAPSCREW, control rod end (3/8"NF x 1-3/8")
	70904206	1	LOCKWASHER, 3/8"
	70911041	1	NUT, 3/8"NF
10	70618799	1	LEVER, control shaft, rear
	70905119	1	KEY, #3 woodruff, 1/8" x 1/2"
11	70012992	1	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	1	LOCKWASHER, 3/8"
12	70619119	2	END, rod, shaft supporting
	70911100	2	WASHER, plain, SAE std., 5/8"
	70904209	1	LOCKWASHER, 5/8"
	70911049	3	NUT, jam, 5/8"NF
13	70626496	1	SHAFT, control, rear section
	70904209	1	LOCKWASHER, 5/8"
	70911049	1	NUT, jam, 5/8"NF
14	70625550	1	TUBE, shaft coupling
	70910505	1	CAPSCREW, 5/16"NF x 1"
	70904205	1	LOCKWASHER, 5/16"
15	70626495	1	SHAFT, control, front section
	70904209	1	LOCKWASHER, 5/8"
	70911049	1	NUT, jam, 5/8"NF
16	70614684	1	LEVER, control shaft, front
	70905119	1	KEY, #3 woodruff, 1/8" x 1/2"
17	70012992	1	CAPSCREW, 3/8"NF x 1-1/4"
	70904206	1	LOCKWASHER, 3/8"
18	70618279	2	JOINT, ball and socket
	70904206	1	LOCKWASHER, 3/8"
	70911041	1	NUT, 3/8"NF
19	70617931	1	ROD, front
	70911041	2	NUT, 3/8"NF
20	70618501	1	LEVER, control valve
	70905119	1	KEY, #3 woodruff, 1/8" x 1/2"
21	70035336	1	CAPSCREW, 3/8"NF x 1-3/4"
	70904206	1	LOCKWASHER, 3/8"
	70911041	1	NUT, 3/8"NF
22	-----	1	VALVE ASSY. (See PUMP AND TANK)



T-24177

DIVERTING SYSTEM

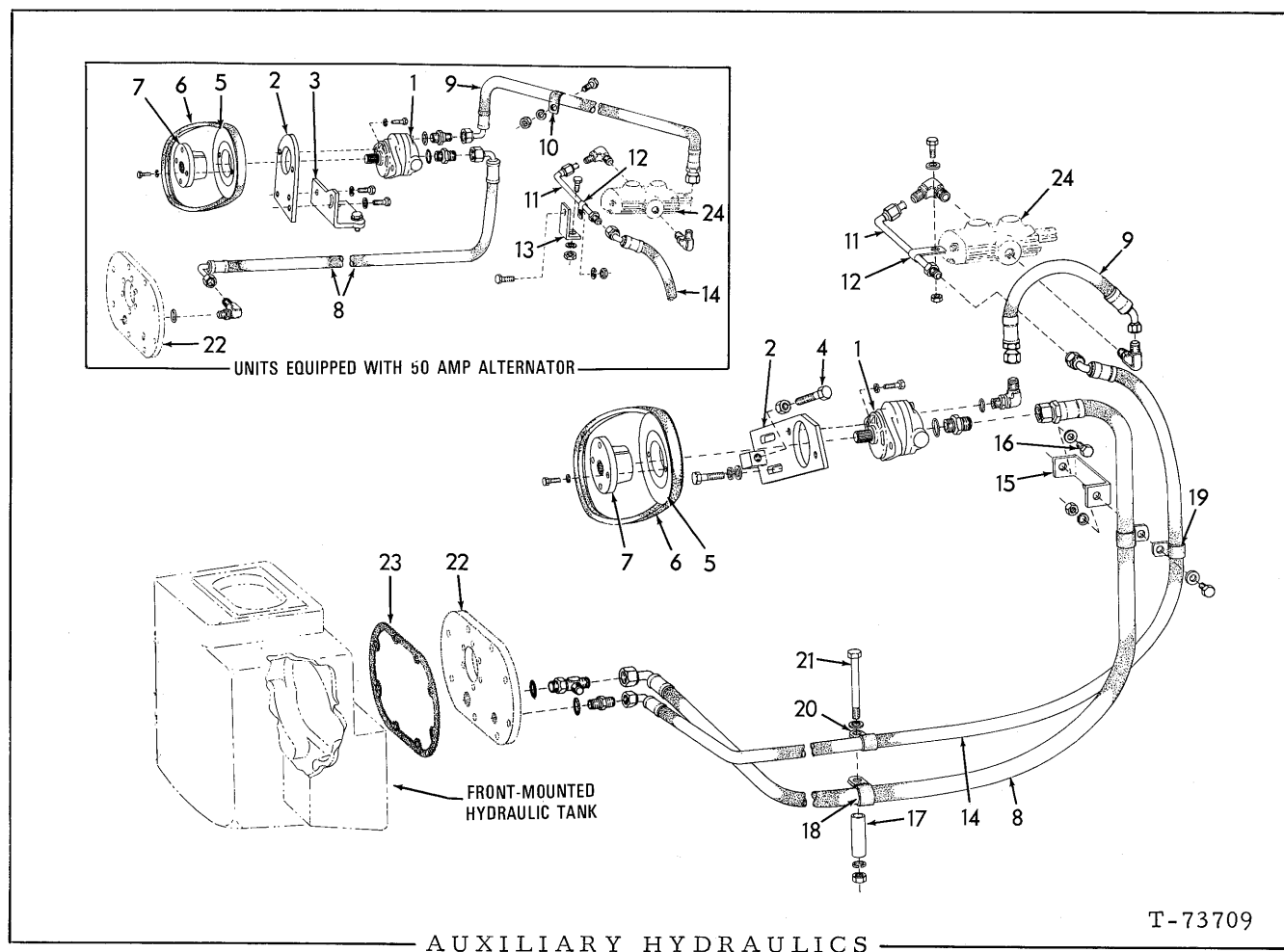
USAGE: For units with Model 6HS, HA dozer hydraulics, Provides rear hydraulic valve for operation of auxiliary equipment.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70618912	1	VALVE ASSY., front (See page 331 for parts)(Used prior to February 1966. Order VALVE ASSY. 70649515)
	70684036	1	VALVE ASSY., front (See page 331 for parts)(Effective February 1966)
2	70619638	1	VALVE ASSY., diverting (Consists of items 3 thru 10)
	70917733	4	CAPSCREW, socket-hd., 3/8"NC x 1-1/4"
3	70618909	1	ELBOW, diverting valve
	70907070	1	PLUG, pipe, ctsk-hd., 1/4"NPT
4	70618906	1	VALVE, diverting
5	70055930	1	SPRING, diverting valve
6	70618908	1	PACKING SET, diverting valve
7	70618905	1	GLAND, packing, diverting valve
8	70619382	1	YOKE, diverting valve stem
	70911040	1	NUT, 1/4"NF

(Continued)

DIVERGING SYSTEM (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
9	70619383	1	LINK, connecting
10	70628738	2	PIN, connecting link
	70900970	2	PIN, cotter, 1/16" x 1/2"
11	70924270	1	O-RING, diverting valve
12	70626991	1	TUBE, front valve, left
13	70044249	4	CAPSCREW, 3/8"NC x 1-1/8"
	70904206	4	LOCKWASHER, 3/8"
14	70618962	1	TUBE, front valve, right
15	70044249	4	CAPSCREW, 3/8"NC x 1-1/8"
	70904206	4	LOCKWASHER, 3/8"
16	70924192	4	O-RING, valve tubes
17	70606312	1	HOSE, return
18	70606865	1	HOSE, supply
			} See HOSE PARTS
19	70612640	1	CLIP, hose supporting
20	70070467	1	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	1	LOCKWASHER, 1/2"
21	70626994	1	TUBE, rear valve, left
22	70044249	4	CAPSCREW, 3/8"NC x 1-1/8"
	70904206	4	LOCKWASHER, 3/8"
23	70071113	1	CAPSCREW, 5/8"NC x 2"
24	70023465	1	CAPSCREW, 5/8"NF x 1-3/4"
	70064810	2	WASHER, plain
	70904209	2	LOCKWASHER, 5/8"
	70911044	1	NUT, 5/8"NF
25	70626996	1	TUBE, rear valve, right
26	70044249	4	CAPSCREW, 3/8"NC x 1-1/8"
	70904206	4	LOCKWASHER, 3/8"
27	70071113	1	CAPSCREW, 5/8"NC x 2"
28	70023465	1	CAPSCREW, 5/8"NF x 1-3/4"
	70064810	2	WASHER, plain
	70904209	2	LOCKWASHER, 5/8"
	70911044	1	NUT, 5/8"NF
29	70618911	1	VALVE ASSY., rear (See page 335 for parts)
	70904223	4	PLUG, pipe, ctsk-hd., 1/2"NPT
30	70035018	2	CAPSCREW, 1/2"NF x 1-1/2"
	70904208	2	LOCKWASHER, 1/2"
	70911043	2	NUT, 1/2"NF
31	70619001	1	PLATE, mounting rear valve
32	70023755	4	CAPSCREW, 5/8"NC x 2-1/4"
	70904209	4	LOCKWASHER, 5/8"
33	70602449	4	WASHER, spacing, valve mounting plate (3/4"thick)(Not used when TR-6 RIPPER is installed)



USAGE: For tractors equipped with hydraulic tilt

*Units equipped with generator
 **Units equipped with 50 amp alternator

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	70651913	1	1	PUMP ASSY., hydraulic (See page 347)
	70922763	2	2	CAPSCREW, 3/8"NC x 1"
	70910287	2	2	LOCKWASHER, 3/8"
2	70659824	1	-	PLATE, pump mounting
	70920585	2	-	CAPSCREW, 1/2"NC x 1-3/4"
	70677006	2	-	WASHER, plain
	70678636	-	1	PLATE, pump mounting
	70922262	-	1	CAPSCREW, 3/8"NC x 7/8"
	70922763	-	1	CAPSCREW, 3/8"NC x 1"
3	70910287	-	1	LOCKWASHER, 3/8"
	70677006	-	1	WASHER, plain
	70678637	-	1	ANGLE, plate mounting
	70920582	-	2	CAPSCREW, 1/2"NC x 1-1/4"
	70912441	-	2	LOCKWASHER, 1/2"

(Continued)

AUXILIARY HYDRAULICS (Continued)

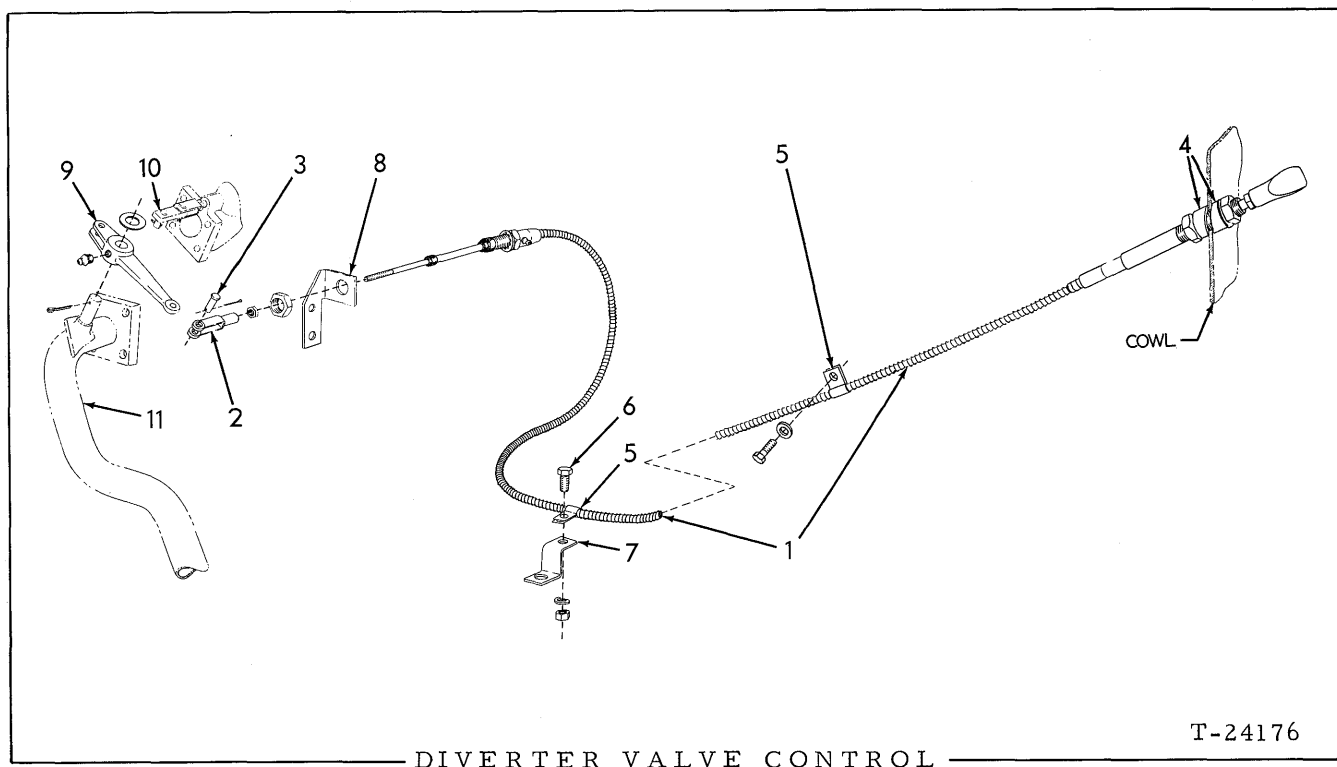
ITEM	PART NO.	QTY. * **	DESCRIPTION
4	70929045	1 -	CAPSCREW, belt adjustment (1/2"NF x 4")
	70911043	1 -	NUT, 1/2"NF
5	70659831	1 1	PULLEY, pump drive
6	70659782	1 -	BELT, pump drive
	74337725	- 1	BELT, pump drive
7	70659833	1 1	HUB, pump drive (splined)
	70927541	2 2	CAPSCREW, 1/4"NC x 3/4"
	70910285	2 2	LOCKWASHER, 1/4"
8	70659802	1 -	HOSE, supply tank to pump (See HOSE PARTS)
	70921217	1 -	CONNECTOR, flare type, 3/4" tube, 1-1/16" str-thd. (Includes O-RING)(Early units)
	70922181	1 -	TEE, adjustable, flare type 3/4" tube, 1-1/16" str-thd. (Includes O-RING)(Late units)
	70921206	2 -	O-RING
	70922981	1 -	CONNECTOR, flare type, 3/4" tube, 7/8" str-thd. (Includes O-RING)
	70921205	1 -	O-RING
	70678638	- 1	HOSE, supply, tank to pump (See HOSE PARTS)
	70921203	- 1	ELBOW, adjustable, flare type 90°, 3/4" tube 1-1/16" str-thd. male end (Includes WASHER, NUT, and O-RING)
	70921206	- 1	O-RING
	70922981	- 1	CONNECTOR, flare, 3/4" tube, 7/8" str-thd. (Includes O-RING)
	70921205	- 1	O-RING
9	70659804	1 -	HOSE, pump to valve (See HOSE PARTS)
	70921402	1 -	ELBOW, adjustable, flare type 90°, 1/2" tube, 3/4" str-thd. (Includes WASHER, NUT and O-RING)
	70921349	1 -	O-RING
	70919272	1 -	ELBOW, flare type, 90°, 1/2" tube, 3/4"NPT male
	70646201	- 1	HOSE, pump to valve (See HOSE PARTS)
	70921409	- 1	CONNECTOR, flare type, 1/2"tube, 3/4" str-thd. (Includes O-RING)
	70921349	- 1	O-RING
	70919272	- 1	ELBOW, flare type, 90°, 1/2" tube, 3/4"NPT male
10	70644713	- 1	CLIP, hose supporting
	70921175	- 1	CAPSCREW, 1/2"NC x 1"
	70912441	- 1	LOCKWASHER, 1/2"
	70911028	- 1	NUT, 1/2"NC
11	70659827	1 1	TUBE ASSY., return line (Includes nut and sleeve)
	70919272	1 1	ELBOW, flare type, 90°, 1/2" tube, 3/4"NPT male
12	70088622	1 -	CLIP, tube supporting
	70927172	1 -	CAPSCREW, 1/2"NC 1-1/8"
	70677008	1 -	WASHER, plain
	70911028	1 -	NUT, 1/2"NC
	70632755	- 1	CLIP, tube supporting
	70921175	- 1	CAPSCREW, 1/2"NC x 1"
	70912441	- 1	LOCKWASHER, 1/2"
	70911028	- 1	NUT, 1/2"NC

(Continued)

AUXILIARY HYDRAULICS (Continued)

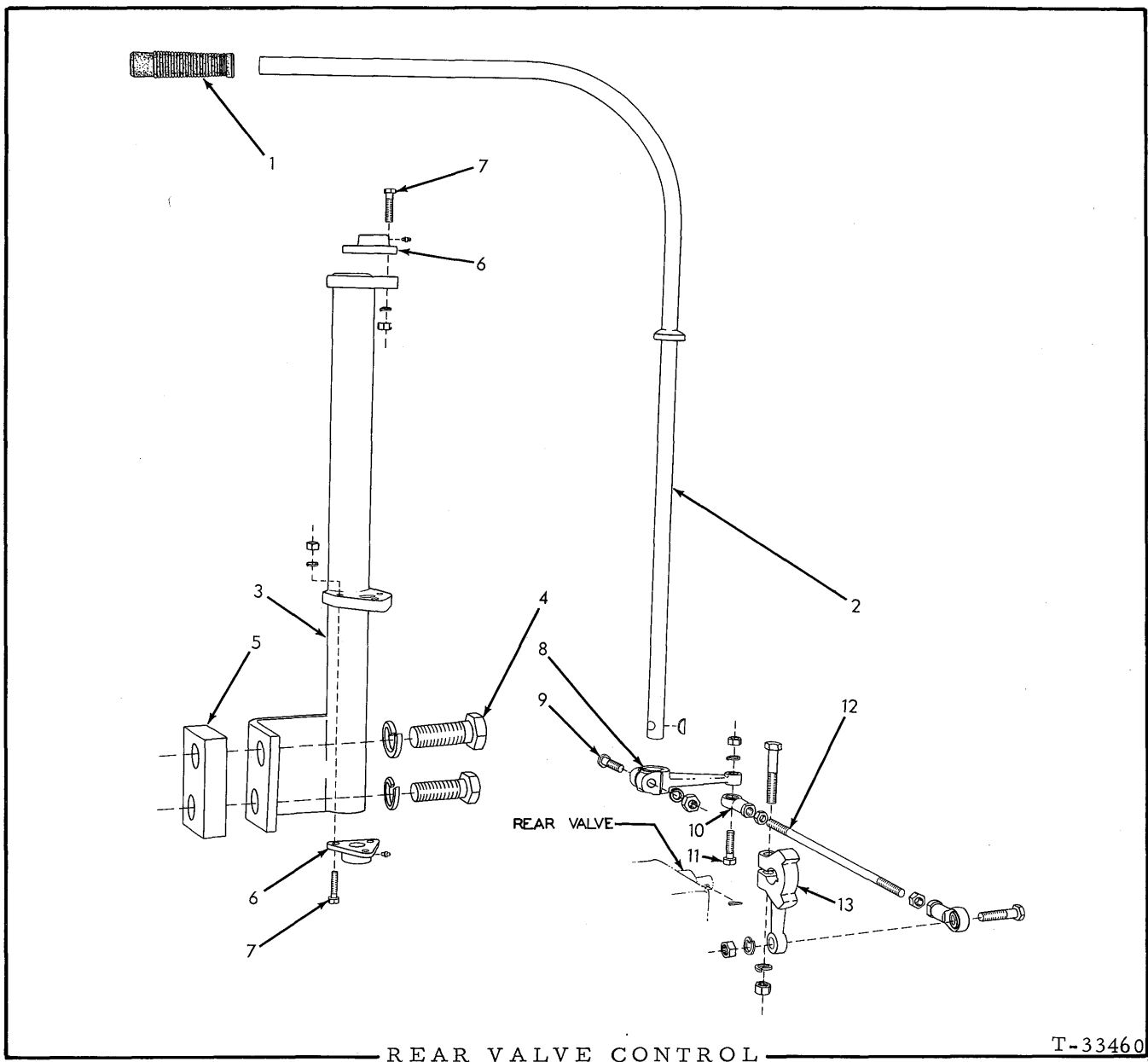
ITEM	PART NO.	QTY. * **	DESCRIPTION
13	70642672	- 1	ANGLE, clip supporting
	70920582	- 1	CAPSCREW, 1/2"NC x 1-1/4"
	70912441	- 1	LOCKWASHER, 1/2"
	70911028	- 1	NUT, 1/2"NC
14	70659805	1 1	HOSE, return line (See HOSE PARTS)
	70921409	1 1	CONNECTOR, flare type, 1/2" tube, 3/4" str.-thd. (Includes O-RING 70921349)
15	70661968	1 1	BRACKET, hose supporting (4-1/2" long)
16	70922763	1 1	CAPSCREW, 3/8"NC
	70677006	1 1	WASHER, plain
17	70628254	1 1	BOSS, hose supporting
18	70095869	2 -	CLIP, hose supporting (1-1/4" diam., 17/32" bolt-hole)
19	70622992	1 1	CLIP, hose supporting (7/8" diam. 13/32" bolt-hole)
	70922763	1 1	CAPSCREW, 3/8"NC x 1"
	70677006	1 1	WASHER, plain
	70911026	1 1	NUT, 3/8"NC
20	70638780	1 1	CLIP, hose supporting (1" diam., 17/32" bolt-hole)
21	70927180	1 1	CAPSCREW, 1/2"NC x 5-1/4"
	70677008	1 1	WASHER, plain
	70911028	1 1	NUT, 1/2"NC
22	-----	1 1	ADAPTER, hydraulic pump
23	-----	1 1	GASKET, adapter to tank
24	-----	1 1	VALVE (See AUXILIARY CONTROL VALVE)

} See PUMP AND TANK



USAGE: Units with Diverting System shown on page 338.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70618271	1	CONTROL ASSY., push-pull (Serviced only as a unit)
	70911040	1	NUT, 1/4"NF
2	70628737	1	YOKE, rod end
3	70628738	1	PIN, rod end yoke
	70900970	1	PIN, cotter, 1/16" x 1/2"
4	70619316	2	SPACER, control
5	70040796	2	CLIP, control supporting, front (3/8" diam., 13/32" bolt-hole)
	70905661	1	CAPSCREW, 5/16" x 5/8"
	70910335	1	WASHER, plain, SAE std., 5/16"
6	70036032	1	CAPSCREW, 3/8"NF x 3/4"
	70904206	1	LOCKWASHER, 3/8"
	70911041	1	NUT, 3/8"NF
7	70619199	1	BRACKET, supporting clip
8	70626985	1	BRACKET, control supporting, front
9	70619380	1	BELLCRANK
	70914465	1	FITTING, lubricating, straight, 1/8"NPT
	70910244	1	WASHER, plain, SAE std., 1/2"
	70900805	1	PIN, cotter, 1/8" x 3/4"
10	-----	-	VALVE ASSY., diverting (See DIVERTING SYSTEM)
11	-----	-	TUBE, front valve, left (See DIVERTING SYSTEM)



USAGE: Units with Diverting System shown on page 338.

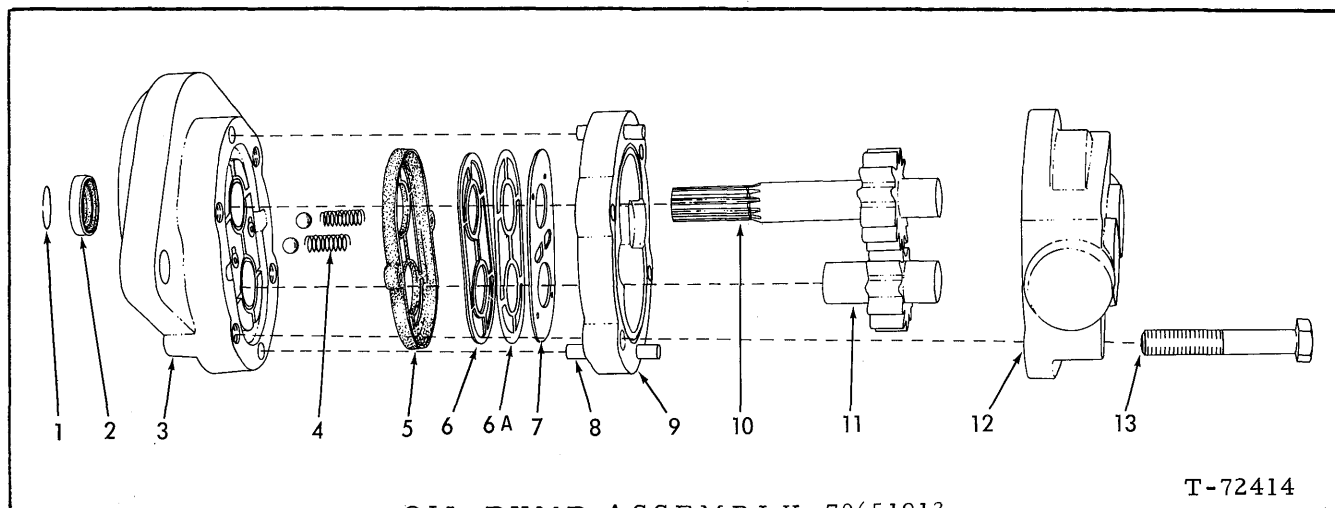
ITEM	PART NO.	QTY.	DESCRIPTION
1	70626984	1	GRIP, operating lever
2	70626989	1	LEVER, operating
3	70626981	1	BRACKET, operating lever
	70915334	1	CAPSCREW, 7/8"NC x 2-1/2"
	70905347	1	LOCKWASHER, 7/8"
4	70086755	1	CAPSCREW, 1"NC x 2-3/4"
	70910916	1	LOCKWASHER, 1"
5	70626983	1	BLOCK, spacing, operating lever bracket (Not used when TR-6 RIPPER is installed)

(Continued)

REAR VALVE CONTROL (Continued)

ITEM	PART NUMBER	QTY.	DESCRIPTION
6	70606693	2	BEARING, operating lever
	70914465	2	FITTING, lubricating, straight, 1/8"NPT
7	70043646	6	CAPSCREW, 5/16"NF x 1-1/4"
	70904205	6	LOCKWASHER, 5/16"
	70913636	6	NUT, 5/16"NF
8	70611973	1	LEVER, lower
	70905122	1	KEY, #7 woodruff, 1/8" x 3/4"
9	70053616	1	CAPSCREW, 3/8"NC x 1-3/4"
	70904206	1	LOCKWASHER, 3/8"
	70911026	1	NUT, 3/8"NC
10	70617932	2	END, control rod
11	70203188	2	CAPSCREW, control rod end (3/8"NF x 1-1/2")
	70904206	2	LOCKWASHER, 3/8"
	70911041	2	NUT, 3/8"NF
12	70626982	1	ROD, control
	70911041	2	NUT, 3/8"NF
13	70618992	1	LEVER
	70905119	1	KEY, #3 woodruff, 1/8" x 1/2"
	70910168	1	CAPSCREW, 3/8"NF x 1-3/4"
	70904206	1	LOCKWASHER, 3/8"
	70911041	1	NUT, 3/8"NF

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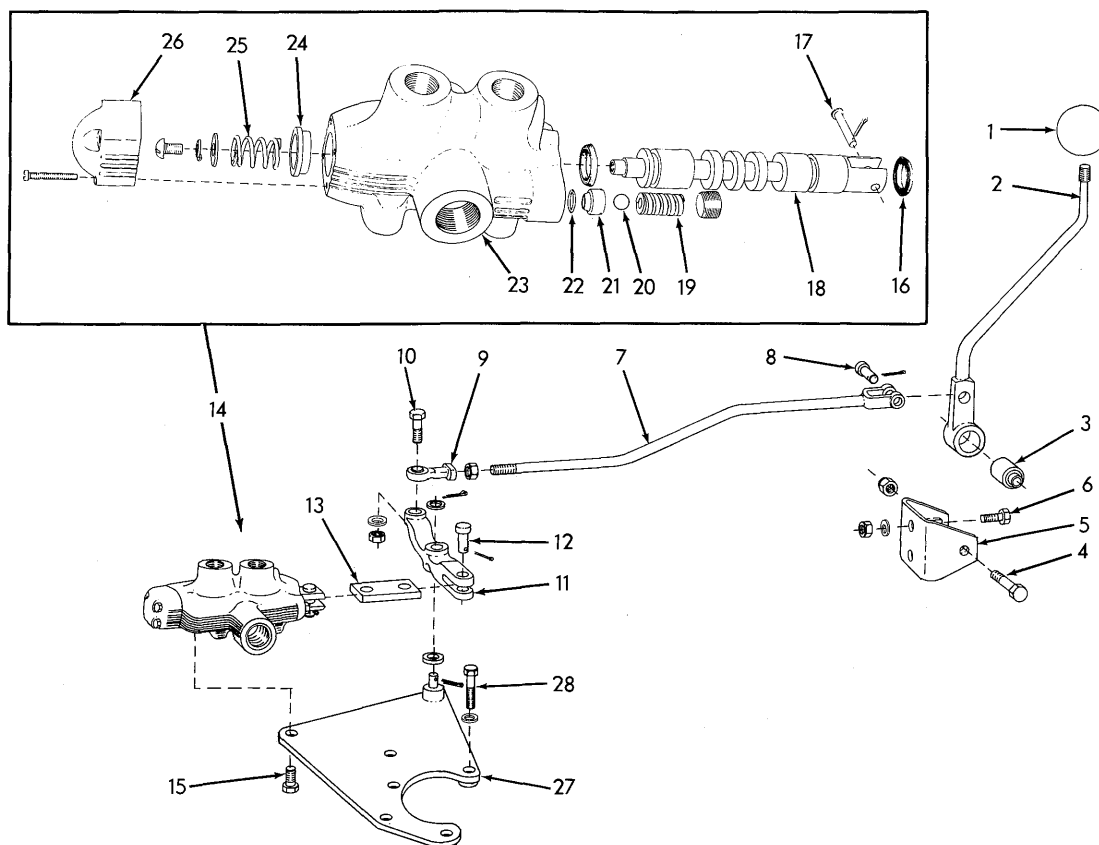


OIL PUMP ASSEMBLY 70651913

T-72414

USAGE: See page 340

ITEM	PART NO.	QTY.	DESCRIPTION
1	70656775	1	RING, snap, drive shaft
2	71131019	1	SEAL, oil
3	70655442	1	PLATE ASSY., front (Includes bushings)
4	70650679	2	SPRING, check valve
	70915903	2	BALL, steel, 7/32" diam.
5	70661605	1	SEAL, diaphragm (Early Units)
	70677066	1	SEAL, diaphragm (Late Units)
6	70661604	1	GASKET, diaphragm (Early Units)
	71163000	1	GASKET, diaphragm (Late Units)
6A	71163001	1	GASKET (Late Units)
7	70661603	1	DIAPHRAGM, sealing
8	70657377	2	PIN, dowel
9	70654376	1	BODY
10	70656707	1	GEAR ASSY., drive (Includes shaft)
11	70656722	1	GEAR ASSY., idler (Includes shaft)
12	70654898	1	PLATE ASSY., rear (Includes bushing)
13	70923124	4	CAPSCREW, 5/16" NC x 2"



AUXILIARY CONTROL VALVE

T- 73708

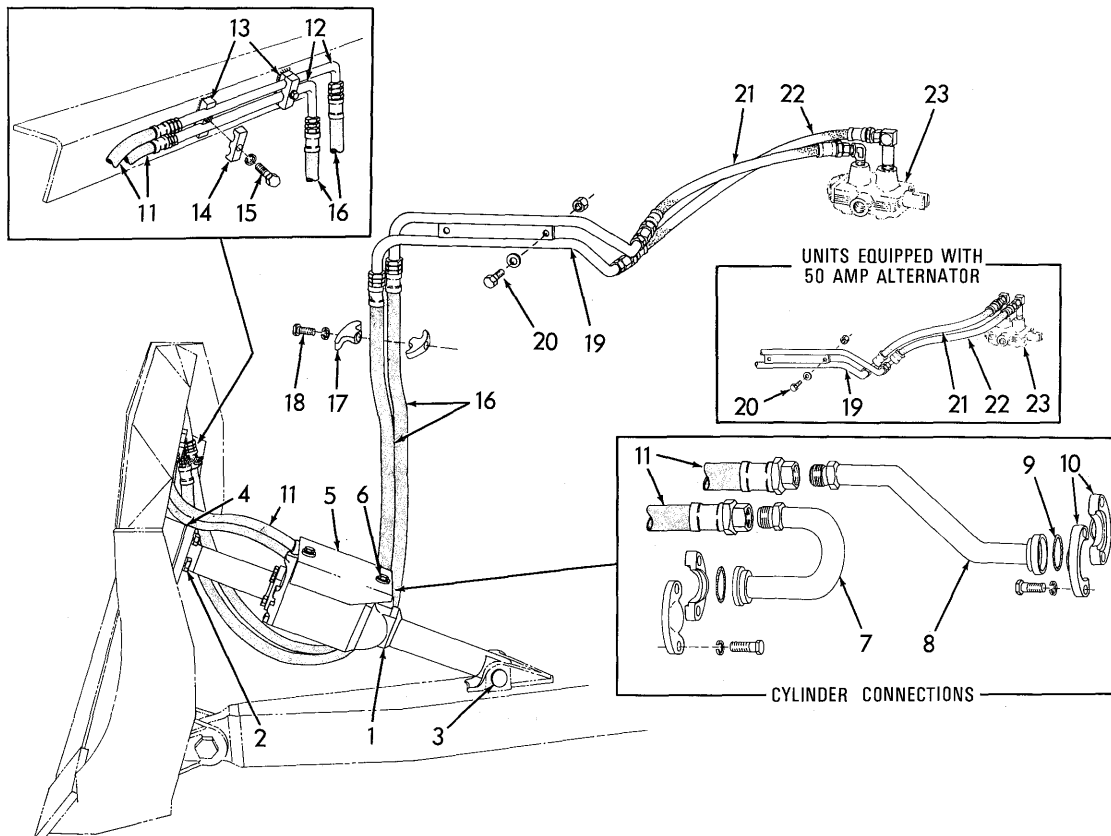
USAGE: For tractors equipped with hydraulic tilt.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70090020	1	KNOB, operating lever
2	70659850	1	LEVER, operating
3	70606392	1	BEARING, ball, operating lever
4	70928307	1	CAPSCREW, operating lever (3/8 "NF x 2-1/2")
	70913528	1	NUT, elastic stop, 3/8"NF
5	70659821	1	BRACKET, supporting
6	70922763	2	CAPSCREW, 3/8"NC x 1"
	70677006	2	WASHER, plain
	70911026	2	NUT, 3/8"NC
7	70659822	1	ROD, control
	70911041	1	NUT, 3/8"NF
8	70049993	1	PIN, control rod
	70900806	1	PIN, cotter, 1/8" x 1"
9	70617932	1	END, control rod
10	70923470	1	CAPSCREW, 3/8"NC x 1-1/2"
	70677006	1	WASHER, plain
	70911026	1	NUT, 3/8"NC

(Continued)

AUXILIARY CONTROL VALVE (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
11	70660810	1	LEVER, control rod
12	70078810	1	PIN, control lever
	70900802	1	PIN, cotter, 3/32" x 3/4"
13	70660817	1	LINK, control valve
14	70091567	1	VALVE ASSY. (Consists of items 16 thru 26)
15	70925625	2	CAPSCREW, Nylok, 3/8"NC x 7/8"
16	70081634	2	SEAL, valve spool
17	70081633	1	PIN, valve operating link
	70900970	1	PIN, cotter, 1/16" x 1/2"
18	-----	1	SPOOL, valve (Not serviced separately)
19	70081635	1	SPRING, pressure relief valve
	70907856	1	PLUG, pipe, hex-socket, 3/8"NPT
20	70091632	1	BALL, pressure relief
21	70091606	1	SEAT, pressure relief ball
22	70923663	1	O-RING, pressure relief ball seat
23	-----	1	HOUSING, valve (Not serviced separately)
24	70081632	1	COLLAR, spool centering
25	70081631	1	SPRING, spool centering
	70901164	1	SCREW, machine, rd-hd., 1/4"NC x 3/8"
	70904204	1	LOCKWASHER, 1/4"
	70911423	1	WASHER, plain, 3/8"
26	70081630	1	BONNET, centering spring
	70901214	4	SCREW, machine, fil-hd., #8-32NC x 1"
27	70660831	1	PLATE, valve mounting (Includes pin)
	70910244	1	WASHER, plain, SAE std., 1/2"
	70900806	1	PIN, cotter, 1/8" x 1"
28	70922526	3	CAPSCREW, 1/2"NC x 2-1/2"
	70677008	3	WASHER, plain



T-73707

HYDRAULIC TILT

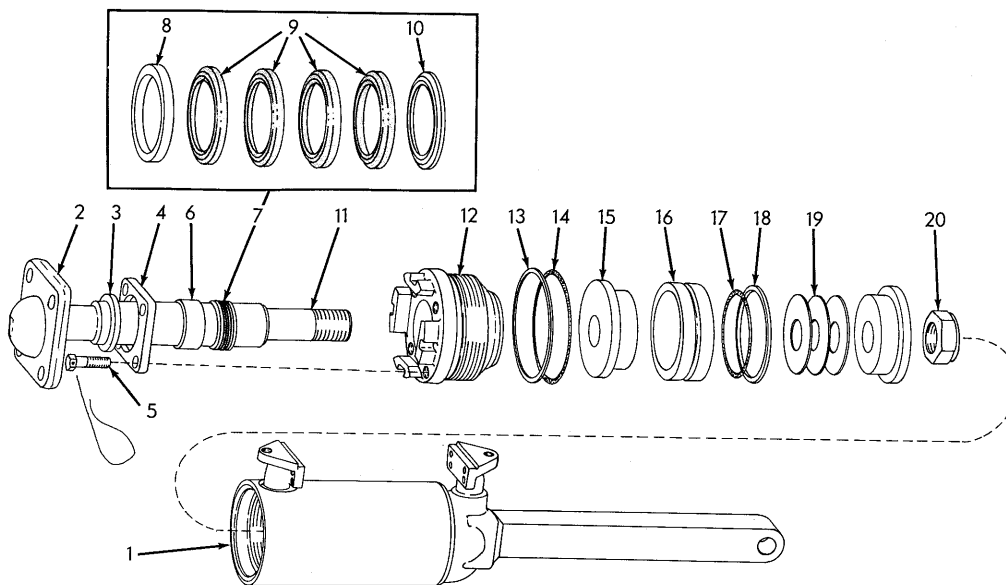
USAGE: Special equipment. Replaces standard manual tilt brace on one side of dozer.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70659891	1	CYLINDER ASSY. (See page 352)
	73057728	1	CYLINDER ASSY. (See page 349)
2	70023618	4	CAPSCREW, 5/8"NF x 2-1/2"
	70904209	4	LOCKWASHER, 5/8"
3	70609417	1	PIN, tilt cylinder
	70915494	1	PIN, spring, 3/8" x 2-1/4"
4	70609393	6	SHIM, cylinder socket (Use as req'd)
5	70659795	1	GUARD, cylinder hose
6	70920583	2	CAPSCREW, 1/2"NC x 1-1/2"
	70677008	2	WASHER, plain
7	70649674	1	TUBE, cylinder, front
8	70659799	1	TUBE, cylinder, rear
9	70924110	2	O-RING, cylinder tubes

(Continued)

HYDRAULIC TILT (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
10	70921115	4	FLANGE, tube attaching (half only)
	70927342	8	CAPSCREW, 3/8"NF x 1-1/4" (Early units)
	70927173	8	CAPSCREW, 3/8"NC x 1-1/8" (Late units)
	70910287	8	LOCKWASHER, 3/8"
11	70661198	2	HOSE, cylinder (See HOSE PARTS)
12	70659798	2	TUBE, intermediate
13	70625541	2	CLAMP, tube supporting (Requires welding to moldboard)
14	70625540	2	CLAMP, tube supporting
15	70922726	2	CAPSCREW, 1/2"NF x 1-1/2" (Early units)
	70920585	2	CAPSCREW, 1/2"NC x 1-3/4" (Late units)
	70677008	2	WASHER, plain
16	70659800	2	HOSE, intermediate (See HOSE PARTS)
17	70624931	2	CLAMP, hose supporting (half only)
	70921539	1	CAPSCREW, 1/2"NC x 3-1/2"
	70677008	1	WASHER, plain
19 {	70659849	1	TUBE ASSY., upper (dual)(Units equipped with generator)
	70678641	1	TUBE ASSY., upper (dual)(Units equipped with 50 amp alternator)
20 {	70922300	2	CAPSCREW, 3/8"NC x 3/4"
	70677006	2	WASHER, plain
	70647418	2	NUT, 3/8"NC (Requires welding to radiator guard)
21 {	70659803	1	HOSE, rear (See HOSE PARTS)(Front port)
	70919195	1	ELBOW, flare type, 1/2" tube, 1/2"NPT male
	70678642	1	HOSE, rear (See HOSE PARTS)(Front port)
	70659775	1	FITTING, elbow
22 {	70659801	1	HOSE, rear (See HOSE PARTS)(Units equipped with generator)
	70646221	1	HOSE, rear (See HOSE PARTS)(Units equipped with 50 amp alternator)
	70659775	1	FITTING, elbow
23	-----	-	VALVE (See AUXILIARY CONTROL VALVE)

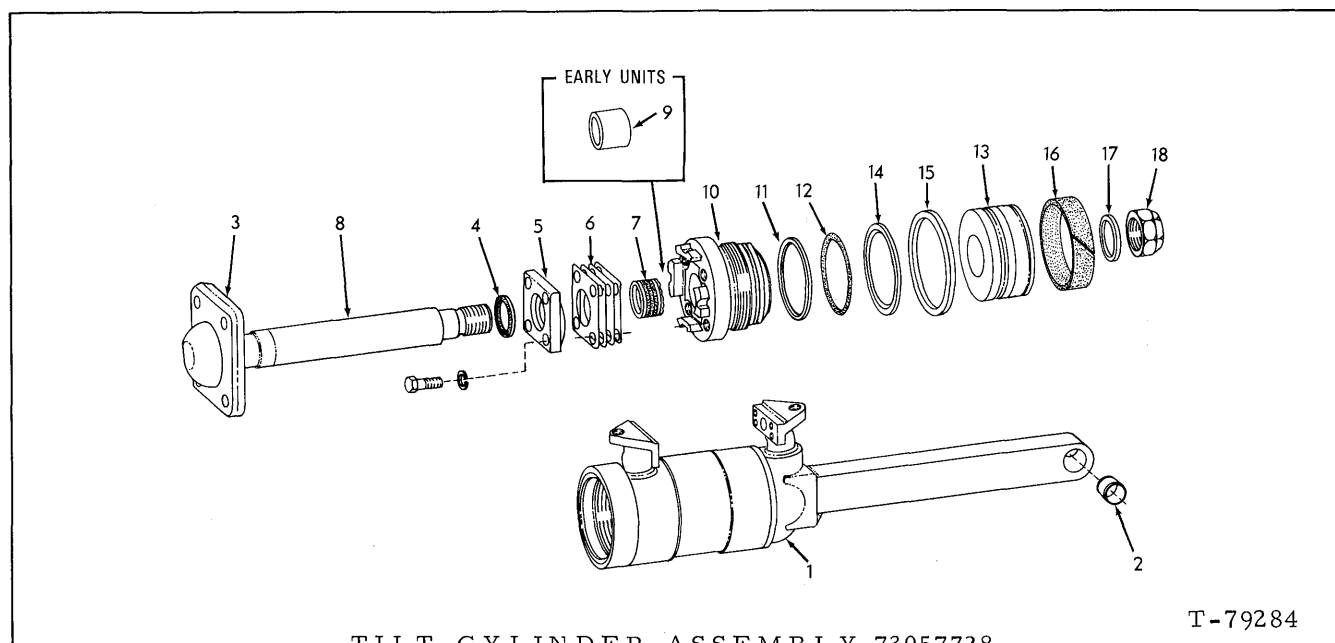


TILT CYLINDER ASSEMBLY 70659891

T-73604

USAGE: See page 350. Used prior to November 1972.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70659845	1	CYLINDER
2	70607980	1	COLLAR, piston rod
3	73001088	1	SEAL, piston rod wiping
4	73013386	1	PLATE, packing adjustment
5	70033182	4	CAPSCREW, packing adjustment plate
	73001085	1	WIRE, locking
6	73004989	1	BEARING, rod packing
7	73007015	1	PACKING SET, rod (Consists of items 8 thru 10)
8	73004990	1	RING, adapter, female
9	73001469	4	RING, packing (duck)
10	73001498	1	RING, adapter, male
11	70659846	1	ROD, piston
12	73016301	1	HEAD, cylinder
13	73016306	1	RING, back-up, cylinder head O-ring
14	70923591	1	O-RING, cylinder head
15	70659791	2	PISTON
16	70659790	1	RING, packing
17	70923659	1	O-RING
18	70659776	1	RING, sealing (teflon)
19	70659784	5	SHIM, adjusting (.005" thick. Use as req'd)
20	70925659	1	NUT, piston rod

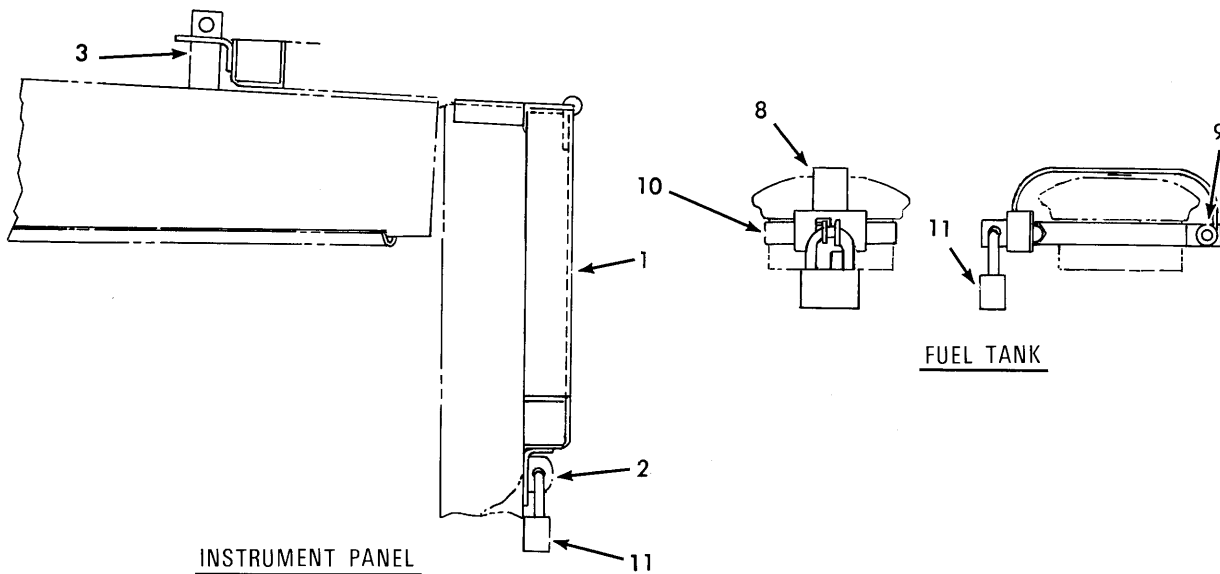


TILT CYLINDER ASSEMBLY 73057728

T-79284

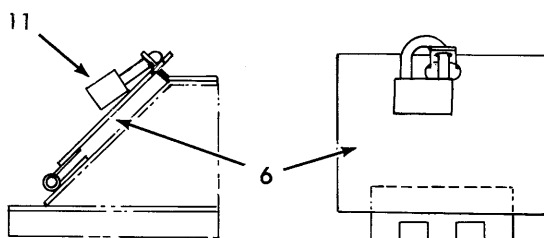
USAGE: See page 350. Effective November 1972.

ITEM	PART NO.	QTY.	DESCRIPTION
1	73057727	1	CYLINDER ASSY. (Includes item 2)
2	73057722	1	BUSHING
3	70607980	1	COLLAR, piston rod
4	73053637	1	□WIPER, piston rod
5	73059366	1	PLATE, end
	70914847	4	CAPSCREW, 3/8"NC x 1-1/2"
	70904206	4	LOCKWASHER, 3/8"
6	73054831	4	□SHIM (.029" thick)
7	73053828	1	□PACKING SET, piston rod
8	73057721	1	ROD, piston
9	73053827	1	BUSHING, rod (Early units)
10	73053849	1	HEAD, cylinder (Early units. Used with item 9)
	73062231	1	HEAD, cylinder (Late units)
11	73063366	1	□RING, back-up
12	70924923	1	□RING
13	73054833	1	PISTON
14	70926817	1	□RING, piston inner
15	73053825	1	□RING, piston, outer
16	73053826	1	□RING, piston, wear
17	73055413	1	SPACER, nut
18	70927237	1	NUT, piston rod (self-locking)
19	73056492	1	REPAIR KIT (Includes items 4, 6, 7, 11, 12, 14 thru 16)
			□Components of item 19



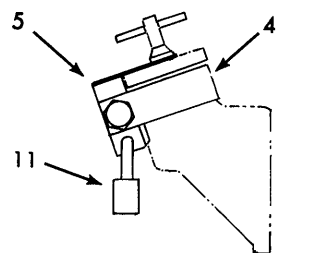
INSTRUMENT PANEL

FUEL TANK

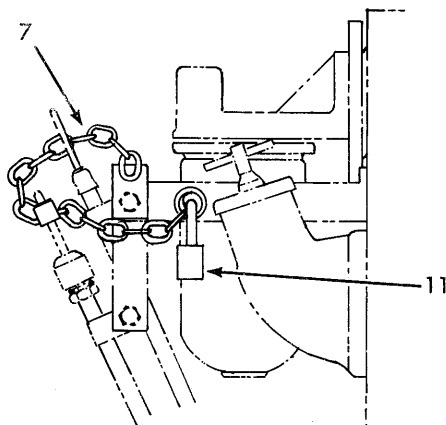


INSTRUMENT PANEL

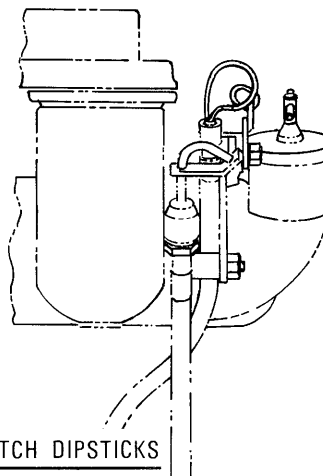
TRANS. LUBE & TRANS. OIL PRESSURE



ENGINE OIL FILLER TUBE



ENGINE OIL & OIL CLUTCH DIPSTICKS



VANDALISM PREVENTION PARTS

USAGE: Special equipment.

ITEM	PART NO.	QTY.	DESCRIPTION
1	70658602	1	GUARD, instrument panel (Requires welding to cowl)
2	70658144	1	LUG, instrument panel guard (Requires welding to cowl)
3	70658603	1	PLATE, instrument panel guard (Requires welding to hood)
4	70660074	1	COLLAR, engine oil filler elbow
	70927173	1	CAPSCREW, 3/8"NC x 1-1/8"
	70910287	1	LOCKWASHER, 3/8"
	70677006	1	WASHER, plain
5	70659721	1	BRACKET, engine oil filler closure
6	70658561	1	GUARD, transmission lube and oil pressure gauge (Requires welding to mounting panel)
7	70659261	1	CHAIN, dipstick
8	70657358	1	COVER, fuel tank cap
9	70924838	1	RIVET, fuel tank cap cover
10	70659259	1	CLAMP, fuel tank filler neck
	70927401	1	CAPSCREW, 1/4"NC x 1"
	70910285	1	LOCKWASHER, 1/4"
	70911024	1	NUT, 1/4"NC
11	70928052	5	PADLOCKS

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