

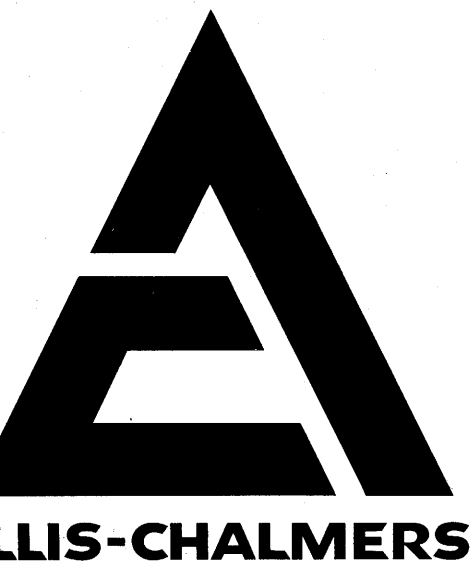
Parts Catalog

HD **11E**

HD **11AG**

CRAWLER TRACTORS

(S/N 12201 - UP,
S/N 29C14651 - UP,
S/N 17L14651 - UP)



NOTICE

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

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

CONSTRUCTION MACHINERY DIVISION
SPRINGFIELD, ILLINOIS 62708 U. S. A.

FORM 0651802-1

AVOID ACCIDENTS

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

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

A careful operator is the best insurance against an accident.

The complete observance of one simple rule would prevent many thousand serious injuries each year.

That rule is:

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

NATIONAL SAFETY COUNCIL

WARNING

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

THIRD PRINTING (8-72)

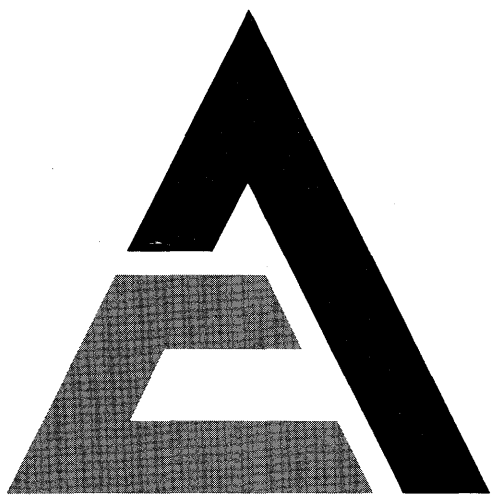
Identical to FIRST PRINTING, with the exception of the inclusion of the following revisions which were given prior release as supplementary information on the dates indicated: Also included are all write-in changes as issued on Parts Bulletins thru TPSD-123.

Supplement No. 1 (August 1968)

PAGE	DATED	PAGE	DATED
S-16	Revised April 1971	125	Revised September 1968
S-17	Revised April 1971	131	Revised June 1970
S-18	Revised April 1971	132	Revised June 1970
S-20	Revised April 1971	133	Revised June 1970
S-21	Revised April 1971	137A	Revised July 1967
S-22	Revised April 1971	141	Revised November 1967
25	Revised January 1968	141A	Added November 1967
26	Revised March 1968	155	Revised November 1969
27	Revised March 1968	156	Revised November 1969
41A	Added April 1971	157	Revised November 1969
41B	Added April 1971	157A	Added November 1969
44A	Added April 1971	157B	Added November 1969
46	Revised November 1969	158	Revised November 1969
47	Revised November 1969	159A	Added March 1968
48	Revised November 1969	162A	Added March 1968
* 61	Revised April 1971	166	Revised June 1970
* 63	Revised April 1971	167	Revised June 1970
63A	Added April 1971	167A	Added June 1970
63B	Added April 1971	167B	Added June 1970
65A	Added April 1971	168	Revised June 1970
65B	Added April 1971	172	Revised April 1967
82	Revised December 1969	172A	Added April 1967
83	Revised December 1969	180A	Revised November 1968
84	Revised December 1969	180B	Added November 1968
85	Revised December 1969	181	Revised June 1970
86	Revised December 1969	181A	Added November 1968
87	Revised December 1969	182	Revised June 1970
89	Revised December 1969	183	Revised June 1970
92	Revised February 1968	184	Revised June 1970
93	Revised February 1968	185	Revised June 1970
97	Added July 1968	216	Revised April 1967
97A	Added July 1968	217	Revised April 1967
122	Revised September 1968		
* 62	Revised April 1971		

SUPPLEMENT No. 1
TO
PARTS CATALOG FORM 651802 (7-66)
HD11E CRAWLER TRACTOR

NOTE: This supplement includes additional data required to service tractors serial No. 13368 and up equipped with "Donaldson" dry-type air cleaner and new corporate batteries.



ALLIS-CHALMERS

Milwaukee, Wisconsin, U.S.A.

Litho in U.S.A.

(8-68)

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HOSE PARTS

Add the following to the listings now indicated on page 7

BULK HOSE (25' roll)	HOSE LENGTH (inches)	NIPPLE (#1 end)			NIPPLE (#2 end)			SOCKET (both ends)	CRIMPED TYPE HOSE
		Including SOCKET	NIPPLE only	Type	Including SOCKET	NIPPLE only	Type		
919196	11-3/8	920847	920301	A	920847	920301	A	919143	646340
919196	6	920847	920301	A	920847	920301	C	919143	646911
919196	28-1/2	920847	920301	A	920847	920301	E	919143	646931
919156	22	920858	919080	P	920858	919080	E	919076	657235
919196	14	920855	919144		920855	919144	E	919143	659895

NOTICE
These changes are
included in this copy

THROTTLE CONTROL

The design shown on pages 54 thru 57 is applicable only to tractors prior to serial No. 13368. See page 7 of this supplement for superseding design.

EXHAUST PIPE

The designs shown on pages 66 and 67 are applicable only to tractors prior to serial No. 13368. See pages 10 and 11 of this supplement for superseding designs.

AIR CLEANER (Dry type)

The designs shown on pages 68 thru 71 are applicable only to tractors prior to serial No. 13368. See pages 16 thru 22 of this supplement for superseding designs.

AIR CLEANER (Oil-bath)

These entire sections as shown on pages 72 and 73 are voided by the new AIR CLEANER (Oil-bath) sections shown on pages 25 and 27 of this supplement.

ENGINE PRIMER

Parts are identical to those shown on page 78 with the following exceptions:

	ITEM	PART NO.	QTY.	DESCRIPTION
Add:	8	660852	1	BRACKET, dispenser mounting (Tractors #13368 and up)
		035439	2	CAPSCREW, 3/8"NC x 1"
		044973	2	WASHER, plain
		904206	2	LOCKWASHER, 3/8"
		911026	2	NUT, 3/8"NC

CONTROL VALVE AND LINES

This entire section as shown on pages 144 AND LINES section shown on page 28 of this supplement is voided by the new CONTROL VALVE AND LINES section shown on page 28 of this supplement.

CONTROL VALVE PARTS

This entire section as shown on page 31 of this supplement is voided by the new CONTROL VALVE PARTS section shown on page 31 of this supplement.

STEERING LEVERS AND LINKAGE

The design shown on pages 152 thru 154 is applicable only to tractors prior to serial No. 13368. See page 33 of this supplement for superseding design.

RADIATOR GUARD (Plain)

Change:	1	645498	1	GUARD ASSEMBLY (Tractors prior to #13368)
Add:	1	660597	1	GUARD ASSEMBLY (Includes items 2 thru 5) (Tractors #13368 and up)

NOTICE
These changes are
included in this copy

RADIATOR GUARD (Hydraulic)

This entire section as shown on pages 186 thru 188 is voided by the new RADIATOR GUARD (Hydraulic) section shown on page 37 of this supplement.

RADIATOR GUARD (Cable)

This entire section as shown on pages 189 thru 191 is voided by the new RADIATOR GUARD (Cable) section shown on page 41 of this supplement.

RADIATOR SHELL

Parts are identical to those shown on pages 192 and 193 with the following exceptions:

	ITEM	PART NO.	QTY.	DESCRIPTION
Change:	1	649411	1	GUARD (<u>Tractors prior to #13368</u>)
Add:	1	659245	1	GUARD (Tractors #13368 and up)
Change:	4	639988	1	SHELL (<u>Tractors prior to #13368</u>)
Add:	4	659246	1	SHELL (Tractors #13368 and up)

HOOD

The design shown on page 196 is applicable only or to serial No. 13368. See page 43 of this supplement for superseding des.

The design shown on page 197 is applicable to tractors prior to serial No. 13368. See page 35 of this supplement for superseding des.

REAR FENDERS

Parts are identical to those shown on pages 198 and 199 with the following exceptions:

Change:	1	650163	1 -	FENDER ASSEMBLY (<u>Tractors prior to #13368</u>)
Add:	1	659367	1 -	FENDER ASSEMBLY, left side (Includes items 15 and 16)(Tractors #13368 and up)
Change:	8	650164	1 -	FENDER ASSEMBLY (<u>Tractors prior to #13368</u>)
Add:	8	659368	1 -	FENDER ASSEMBLY, right side (Includes items 15 and 16)(Tractors #13368 and up)

FLOOR

Parts are identical to those shown on pages 200 and 201 with the following exceptions:

Change:	1	650047	1	PLATE (<u>Tractors prior to #13368</u>)
Add:	1	657866	1	PLATE, front, left section (Tractors #13368 and up)
Change:	3	650601	1	PLATE (<u>Tractors prior to #13368</u>)
Add:	3	657864	1	PLATE, front, right section (Tractors #13368 and up)

PAINTING AND MARKING

Parts are identical to those shown on pages 206 and 207 with the following exceptions:

	ITEM	PART NO.	QTY.	DESCRIPTION	
Change:	5	651445	1	PLATE	} <u>Tractors prior to #13368</u>
Change:	5	651525	1	PLATE	
Add:	5	664751	1	PLATE, lubrication and service guide (7" x 10")	
Add:	5	664752	1	PLATE, lubrication and service guide, multi-language (7" x 13")	} Attached to left battery box on tractors #13368 and up
Change:	18	644537	1	TRANSFER (For units with "Farr" cleaner only)	
		659430	1	TRANSFER, instruction, dry-type air cleaner (2-1/2" x 5")(HD11E only)	} Applied to air stack on units with "Donaldson" cleaner only
Add:	18	659534	1	TRANSFER, instruction, dry-type air cleaner (2-1/2" x 5")(HD11AG only)	

LIGHTS AND WIRING

This entire section as shown on pages 208 thru 217 is replaced by the new LIGHTS AND WIRING section shown on page 45 of this supplement.

Parts are identical to those shown on page 208 with the following exceptions:

Change: 9 634677 (Tractors prior to #13368)

NOTICE
These changes are
included in this copy

BATTERIES AND CABLES

The design shown on pages 216 and 217 is applicable only to tractors prior to serial No. 13368. See page 53 of this supplement for superseding design.

BATTERY BOXES

Parts are identical to those shown on pages 218 and 219 with the following exceptions:

Change:	1	650916	1	BOX (Tractors prior to #13368)
Add:	1	663911	1	BOX, right battery (Tractors #13368 and up)
Change:	4	650914	1	BOX (Tractors prior to #13368)
Add:	4	663878	1	BOX, left battery (Tractors #13368 and up)

INSTRUMENTS

The design shown on page 220 is applicable only to tractors prior to serial No. 13368. See page 47 of this supplement for superseding design.

FUEL PRESSURE GAUGE

The design shown on page 221 was used only on tractors prior to serial No. 13368. Fuel pressure gauge is no longer used on later units.

ENGINE OIL PRESSURE GAUGE

The design shown on pages 222 and 223 is applicable only to tractor prior to serial No. 13368. See page 48 of this supplement of superseding design.

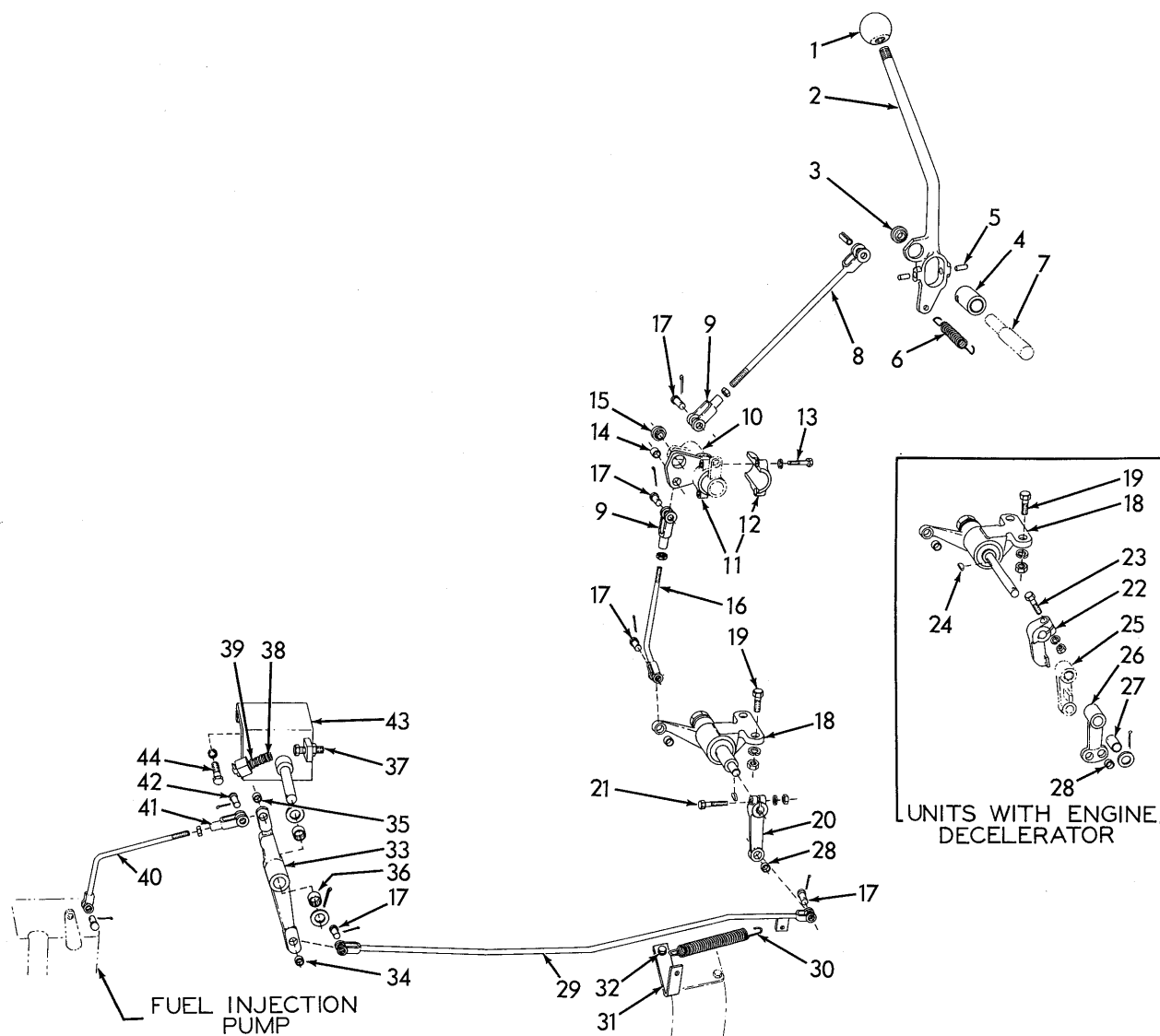
TRANSMISSION OIL PRESSURE GAUGE

The design shown on page 224 is applicable only to tractors prior to serial No. 13368. See page 49 of this supplement for superseding design.

HOURLY METER

This entire section as shown on pages 228 and 229 is voided by the new HOURLY METER section shown on page 50 of this supplement.

NOTICE
These changes are
included in this copy



THROTTLE CONTROL (Second type)

T-74914

THROTTLE CONTROL

USAGE: Tractors serial No. 13368 and up

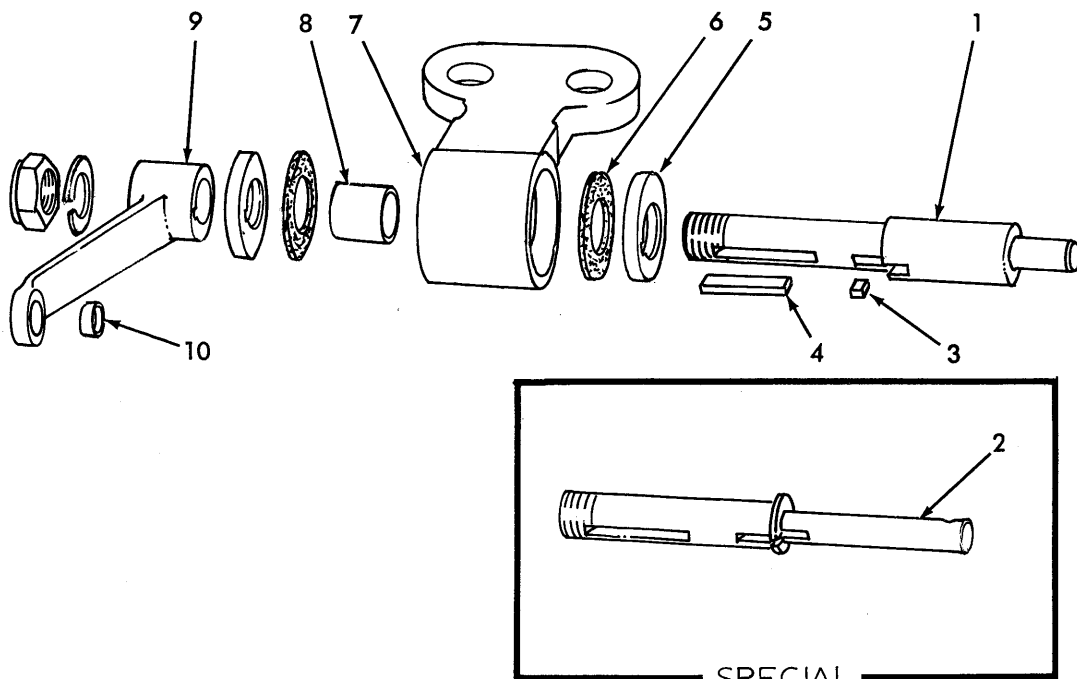
* Standard equipment
** Special. For units with engine decelerator.

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	659076	1	1	KNOB, throttle lever
2	657863	1	1	LEVER ASSEMBLY, throttle (Includes item 3)
3	650712	1	1	BEARING, throttle lever (spherical)
4	650683	1	1	SLEEVE, throttle lever
5	650766	2	2	PIN, throttle lever
6	650726	1	1	SPRING, throttle lever
7	-----	-	-	SHAFT, operating lever (See STEERING LEVERS AND LINKAGE)
8	665589	1	1	ROD, upper
	916986	1	1	PIN, spring, 3/8"
	911048	1	1	NUT, jam, 3/8"NF
9	628736	2	2	YOKE, upper rods
10	-----	-	-	LEVER, operating (See STEERING LEVERS AND LINKAGE)
11	657861	1	1	BELLCRANK ASSEMBLY (Includes items 12 thru 15)
12	-----	1	1	CAP, bellcrank (Not serviced separately)
13	905658	2	2	CAPSCREW, 1/4"NC x 1-1/4"
	904204	2	2	LOCKWASHER, 1/4"
14	624584	1	1	BUSHING, bellcrank
15	650712	1	1	BEARING, bellcrank (spherical)
16	657862	1	1	ROD, intermediate, upper
	911048	1	1	NUT, jam, 3/8"NF
17	078810	5	5	PIN, yoke, upper intermediate rod
	900942	5	5	PIN, cotter, 3/32" x 5/8"
18	643898	1	-	FRICTION ASSEMBLY
	634087	-	1	FRICTION ASSEMBLY
	910244	-	1	WASHER, plain, SAE std., 1/2"
	900806	-	1	PIN, cotter, 1/8" x 1"
See page 9 for parts				
19	614478	2	2	CAPSCREW, 1/2"NF x 1-3/8"
	904208	2	2	LOCKWASHER, 1/2"
	911043	2	2	NUT, 1/2"NF
20	633469	1	-	LEVER ASSEMBLY, intermediate lower rod (Includes item 28)
	905119	1	-	KEY, #3 woodruff, 1/8" x 1/2"
21	041981	1	-	CAPSCREW, 5/16"NF x 1-1/2"
	904205	1	-	LOCKWASHER, 5/16"
	913636	1	-	NUT, 5/16"NF

(Continued)

THROTTLE CONTROL (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
22	633123	-	1	LEVER, friction shaft
23	041981	-	1	CAPSCREW, 5/16"NF x 1-1/2"
	904205	-	1	LOCKWASHER, 5/16"
	913636	-	1	NUT, 5/16"NF
24	632756	-	1	KEY, friction shaft lever
25	-----	-	-	LEVER ASSEMBLY (See ENGINE DECELERATOR)
26	631496	-	1	LEVER ASSEMBLY, intermediate lower rod (Includes items 27 & 28)
27	631476	-	1	BUSHING, intermediate lower rod lever (large)
28	624584	1	2	BUSHING, intermediate lower rod lever (small)
29	659408	1	1	ROD, intermediate, lower
30	043881	-	1	SPRING, intermediate lower rod
31	634072	-	1	BRACKET, intermediate lower rod spring
32	034964	-	2	CAPSCREW, 1/4"NC x 3/4" } Also attach timing hole cover
	904204	-	2	LOCKWASHER, 1/4" }
33	650740	1	1	LEVER ASSEMBLY, lower rod (Includes items 34 and 35)
34	624584	1	1	BUSHING, lower rod lever (large)
35	624585	1	1	BUSHING, lower rod lever (small)
36	655215	2	2	BEARING, needle, lower rod lever
37	634650	1	1	CAPSCREW, lever stop (3/8"NC x 1-1/2")
	911034	1	1	NUT, jam, 3/8"NC
38	651001	1	1	PIN, lever stop
	916202	1	1	PIN, spring, 1/8" x 7/8"
	630753	1	1	WASHER, plain
39	650999	1	1	SPRING, lever stop pin
40	650686	1	1	ROD, lower
	910267	1	1	NUT, jam, 1/4"NF
41	628737	1	1	YOKE, lower rod
42	628738	2	2	PIN, lower rod
	900970	2	2	PIN, cotter, 1/16" x 1/2"
43	651005	1	1	BRACKET, supporting, control linkage
44	035439	2	2	CAPSCREW, 3/8"NC x 1"
	904206	2	2	LOCKWASHER, 3/8"
	910244	2	2	WASHER, plain, SAE std., 1/2"
	900806	1	1	PIN, cotter, 1/8" x 1"



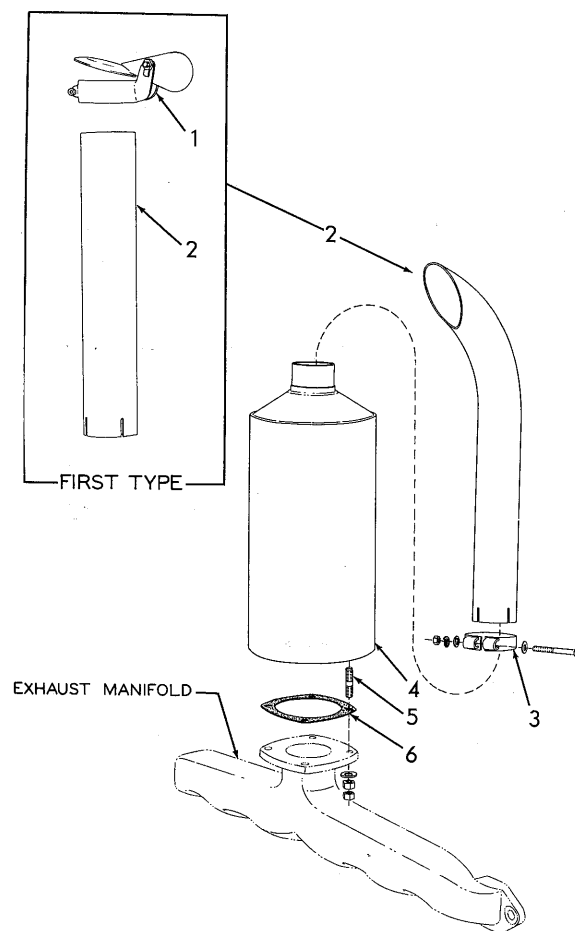
THROTTLE FRICTION PARTS

T-74688

* FRICTION ASSEMBLY 643898
 ** FRICTION ASSEMBLY 634087

See page 7

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	643897	1	-	SHAFT, throttle levers
	904369	1	-	LOCKWASHER, 3/4"
	914452	1	-	NUT, elastic stop, 3/4"
2	634088	-	1	SHAFT, throttle levers
	904369	-	1	LOCKWASHER, 3/4"
	914452	-	1	NUT, elastic stop, 3/4"
3	632716	1	1	KEY, friction washer (short)
4	916024	1	1	KEY, friction washer and lever (3/16" x 3/16" x 1-1/4")
5	632710	2	2	WASHER, friction
6	632747	2	2	DISC, friction
7	632766	1	1	HOUSING ASSEMBLY, friction (Includes item 8)
8	632752	1	1	BUSHING, friction housing
9	633122	1	1	LEVER ASSEMBLY, friction (Includes item 10)
10	624584	1	1	BUSHING, friction lever



EXHAUST PIPE

T-27456

USAGE: Tractors serial No. 13368 and up. For units without turbocharger.

ITEM PART NO. QTY. DESCRIPTION

NOTE: See page 13 for special exhaust pipe extension.

1	085088	1	RAINCAP, exhaust pipe	} Early units only
2	084890	1	PIPE, exhaust (straight)	
	620332	1	PIPE, exhaust (curved)(Late units)	
3	084887	1	CLAMP, exhaust pipe	
	916389	1	CAPSCREW, 3/8"NF x 3-1/4"	
	044973	2	WASHER, plain	
	904206	1	LOCKWASHER, 3/8"	
	911041	1	NUT, 3/8"NF	
4	087748	1	MUFFLER	
5	4339378	4	STUD	
	099376	4	WASHER, plain	
	917260	8	NUT, brass, 1/2"NC	
6	4366244	1	GASKET, muffler to manifold	

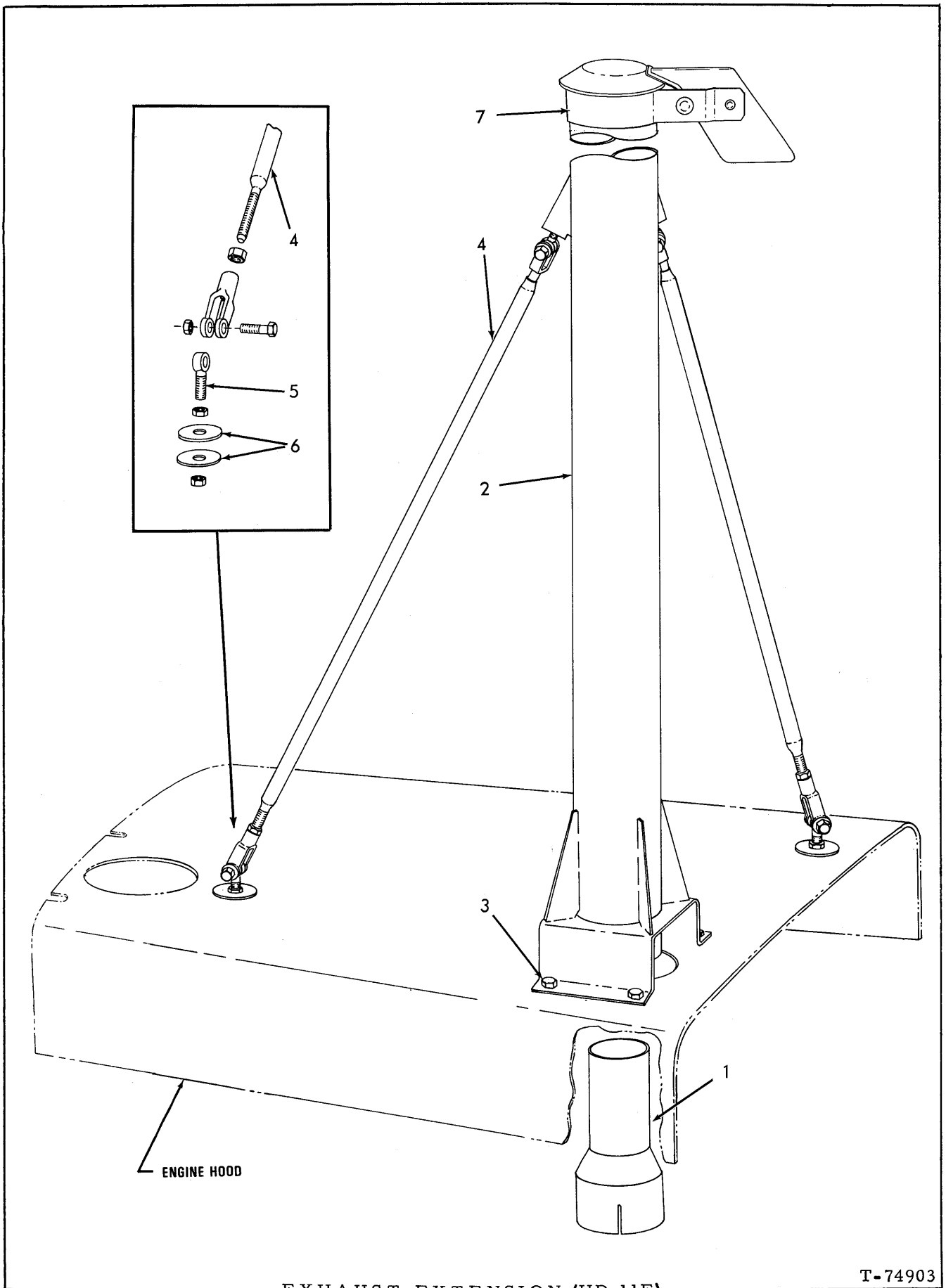
EXHAUST PIPE

USAGE: Tractors serial No. 13368 and up. For units with turbo-charger.

ITEM	PART NO.	QTY.	DESCRIPTION
1	654029	1	RAINCAP
2	658582	1	PIPE, exhaust (straight)
	666456	1	PIPE, exhaust (curved)(Effective January, 1969)
3	638922	1	CLAMP, exhaust pipe
	082013	1	CAPSCREW, 3/8"NC x 3-1/4"
	044973	2	WASHER, plain
	904206	1	LOCKWASHER, 3/8"
	911026	1	NUT, 3/8"NC
4	4354821	1	ELBOW, exhaust elbow (Engines prior to #11-17140)
	4359207	1	ELBOW, exhaust elbow (Engines #11-17140 and up)
5	4255003	4	CAPSCREW, stainless steel, 3/8"NC x 1-1/4"
	904206	4	LOCKWASHER, 3/8"
6	4354714	1	DIFFUSER, exhaust (Engines prior to #11-17140)
	4359205	1	DIFFUSER, exhaust (Engines #11-17140 and up)

} Used prior to January 1969

T-74915



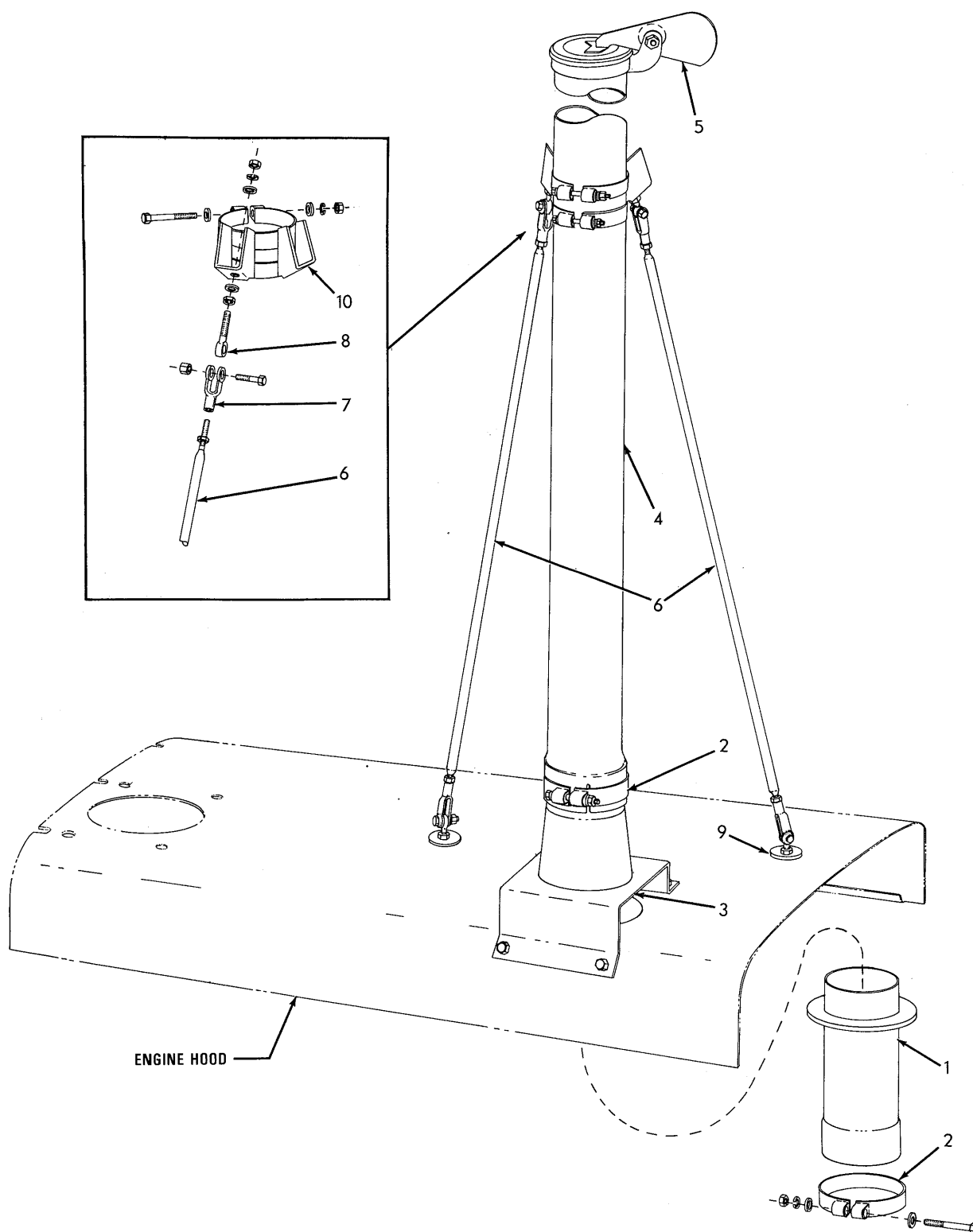
T-74903

EXHAUST EXTENSION

USAGE: Special equipment on HD11E tractors serial No. 13368 and up

* Units with turbocharger
** Units without turbocharger

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	660568	1	-	TUBE, extension (short)
2	660576	1	-	TUBE, extension
	660575	-	1	TUBE, extension
3	035733	4	4	CAPSCREW, 1/2"NC x 1-3/8"
	064531	4	4	WASHER, plain
	904208	4	4	LOCKWASHER, 1/2"
	911028	4	4	NUT, 1/2"NC
4	655096	2	2	ROD, tube bracing
	911043	2	2	NUT, 1/2"NF
	917666	2	2	YOKE, adjustable, 1/2"NF
	912192	4	4	CAPSCREW, 1/2"NF x 1-3/4"
	038234	4	4	NUT, high, 1/2"NF
5	067902	4	4	EYEBOLT, bracing rod
	911043	8	8	NUT, 1/2"NF
6	085453	4	4	WASHER, hood reinforcement
7	654029	1	1	RAINCAP



ENGINE HOOD

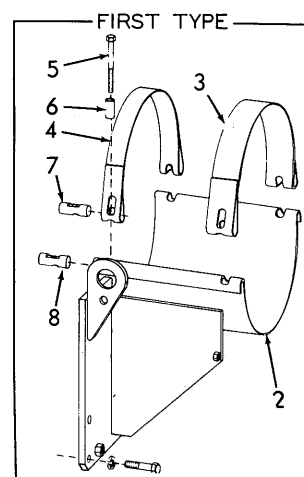
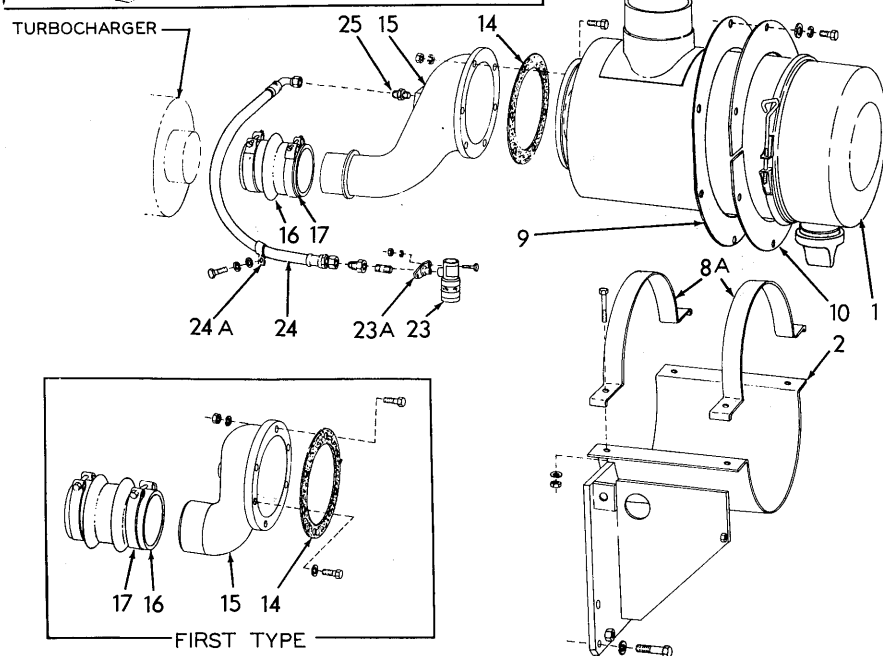
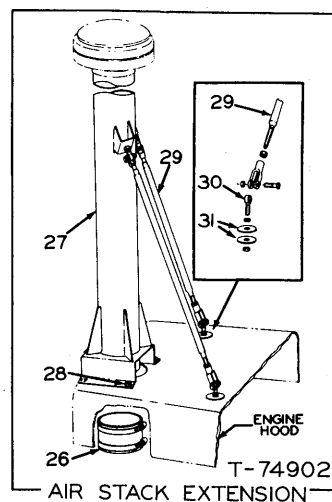
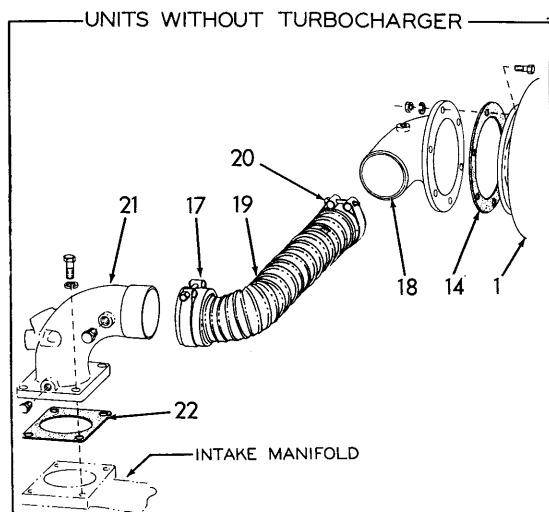
EXHAUST EXTENSION (HD-11AG)

T-74689

EXHAUST EXTENSION

USAGE: Special equipment on HD11AG tractors serial No. 13368 and up.

ITEM	PART NO.	QTY.	DESCRIPTION
1	666507	1	TUBE, extension (short)
2	644001	2	CLAMP, exhaust pipe
	919227	2	CAPSCREW, 3/8"NC x 3-1/4"
	044973	4	WASHER, plain
	904206	2	LOCKWASHER, 3/8"
	911026	2	NUT, 3/8"NC
3	666578	1	ADAPTER, extension pipe
	919230	4	CAPSCREW, 1/2"NC x 1-3/8"
	064531	4	WASHER, plain
	904208	4	LOCKWASHER, 1/2"
	911028	4	NUT, 1/2"NC
4	658218	1	PIPE, exhaust
5	068623	1	RAINCAP, exhaust pipe
6	665606	2	ROD, pipe bracing
	911041	4	NUT, 3/8"NF
7	628736	4	YOKE, bracing rod
	916383	4	CAPSCREW, 3/8"NF x 1-1/2"
	913434	4	NUT, high, 3/8"NF
8	057148	4	EYE-BOLT, bracing rod
	911041	8	NUT, 3/8"NF
	911115	4	WASHER, plain, SAE std., 3/8"
9	665609	8	WASHER, plain, lower eye-bolt
10	650992	1	BRACKET, bracing rod
	919227	2	CAPSCREW, 3/8"NC x 3-1/4"
	044973	4	WASHER, plain
	904206	2	LOCKWASHER, 3/8"
	911026	2	NUT, 3/8"NC



AIR CLEANER
("Donaldson" Dry-type)

USAGE: Model HD11E tractors serial No. 13368 and up. Also see pages 25 and 27 for optional oil-bath cleaner.

* Units with turbocharger
** Units without turbocharger

ITEM	PART NO.	QTY. * **		DESCRIPTION	
1	0659095-4	1	1	CLEANER ASSY., air (See page 19 for parts)	
2	0657872-8	1	1	BRACKET, mounting (Tractors prior to unit #14783)	
	0667155-6	1	1	BRACKET, mounting (Tractors unit #14783 and up)	
	0920648-3	4	4	CAPSCREW, 7/16"NC x 2"	
	0904207-8	4	4	LOCKWASHER, 7/16"	
3	0622884-5	1	1	BAND, mounting, rear	} Tractors prior to unit #14783
4	0657879-3	1	1	BAND, mounting, front	
5	0086238-3	4	4	CAPSCREW, mounting band	
6	0053667-2	4	4	SPACER, mounting band capscREW	
7	0081795-7	4	4	PIN, mounting band, upper	
8	0081796-5	4	4	PIN, mounting band, lower	
8A	0667153-1	2	2	BAND, mounting	} Tractors unit #14783 and up
	0916273-6	4	4	CAPSCREW, 3/8"NC x 1-3/4"	
	0044973-6	4	4	WASHER, plain	
	0918308-8	4	4	NUT, elastic stop, 3/8"NC	
9	0657876-9	1	1	GASKET, cleaner sealing	
10	0657877-7	2	2	PLATE, sealing gasket	
	0920539-4	6	6	CAPSCREW, Nylok, 3/8"NC x 1"	
	0911115-4	6	6	WASHER, plain, SAE std., 3/8"	
11	0098497-1	1	1	CAP, weather (Includes mounting clamp	
12	0660043-1	1	1	TUBE, air inlet	
13	0638922-5	1	1	CLAMP, inlet tube	
	0916390-8	1	1	CAPSCREW, 3/8"NF x 3-3/4"	
	0044973-6	2	2	WASHER, plain	
	0904206-0	1	1	LOCKWASHER, 3/8"	
	0911041-2	1	1	NUT, 3/8"NF	
14	0658759-6	1	1	GASKET, air intake elbow	
15	0657816-5	1	-	ELBOW, air cleaner (Tractors prior to unit #14726 including exception below)	
	0669224-8	1	-	ELBOW, air cleaner (Tractors unit #14726 and up excluding exceptions below)	
	0035439-9	2	-	CAPSCREW, 3/8"NC x 1" (Tractors prior to unit #14726 including exceptions below)	
	0919224-6	6	-	CAPSCREW, 3/8"NC x 1-1/8" (2 less used on tractors prior to unit #14726 including exceptions below)	
	0904206-0	6	-	LOCKWASHER, 3/8"	
	0911026-3	6	-	NUT, 3/8"NC	
16	0659185-3	1	-	HOSE, air inlet (Tractors prior to unit #14726 including exceptions below)	
	0669211-5	1	-	HOSE, air inlet (Tractors unit #14726 and up excluding exceptions below)	

(Continued)

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

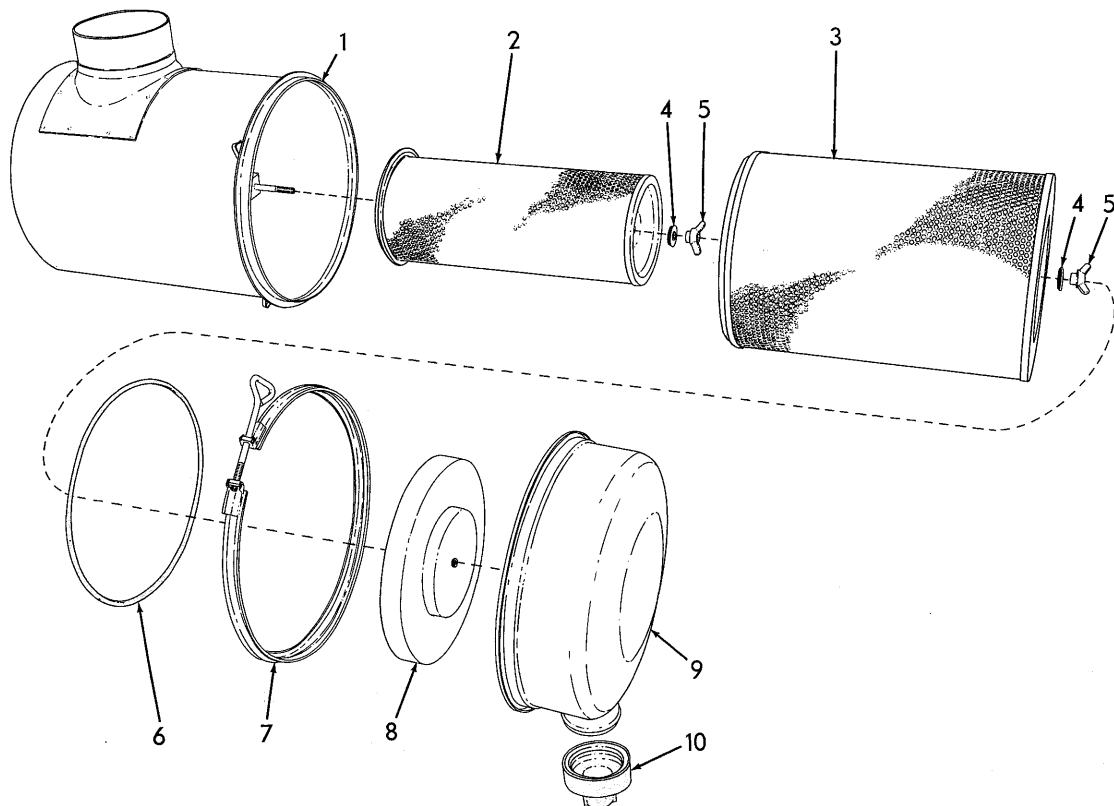
ITEM	PART NO.	QTY. * **	DESCRIPTION
17	0658781-0	2 1	CLAMP, air inlet hose (Tractors prior to unit #14726 including exceptions below)
	0925262-8	2 1	CLAMP, air inlet hose (Tractors unit #14726 and up excluding exceptions below)
18	0657678-9	- 1	ELBOW, air cleaner
	0044249-1	- 6	CAPSCREW, 3/8"NC x 1-1/8"
	0904206-0	- 6	LOCKWASHER, 3/8"
	0911026-3	- 6	NUT, 3/8"NC
19	0646542-1	- 1	HOSE, air inlet
20	0658781-0	- 1	CLAMP, air inlet hose
21	0622432-3	- 1	ELBOW, inlet manifold
	0919840-9	- 1	PLUG, pipe, hex-hd., 1/4"NPT
	0919134-7	- 1	PLUG, pipe, hex-hd., 1/8"NPT
	0035061-1	- 4	CAPSCREW, 1/2"NC x 1-1/4"
	0904208-6	- 4	LOCKWASHER, 1/2"
22	0084868-9	- 1	GASKET, inlet manifold elbow
23	4388648-0	1 1	INDICATOR, air restriction (If for first replacement on tractors prior to unit #14670 also order item 23A)
23A	3045531-5	1 1	FLANGE, indicator mounting
	0925343-6	2 2	CAPSCREW, cd. -pltd., 1/4"NC x 3/4"
	0904204-5	2 2	LOCKWASHER, 1/4"
	0911024-8	2 2	NUT, 1/4"NC
24	0646931-6	1 1	HOSE, restriction indicator (See HOSE PARTS)
	0919174-3	1 1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT female
	0904273-0	1 1	NIPPLE, pipe, 1/8"NPT x 1"
24A	0644006-9	1 1	CLIP, hose supporting
	0916271-0	1 1	CAPSCREW, 3/8"NC x 1"
	0904206-0	1 1	LOCKWASHER, 3/8"
	0911115-4	1 1	WASHER, plain, SAE std., 3/8"
25	0631769-7	1 1	FITTING, safety, restriction indicator line

NOTE: Items listed below are special equipment

26	0660592-7	1 1	HOSE, air stack
	0921919-7	2 2	CLAMP, hose, 4-5/8" to 7-1/4" diam.
27	0660574-5	1 1	TUBE, extension
28	0035733-5	2 2	CAPSCREW, 1/2"NC x 1-3/8"
	0064531-7	2 2	WASHER, plain
	0904208-6	2 2	LOCKWASHER, 1/2"
	0911028-9	2 2	NUT, 1/2"NC
29	0654815-0	2 2	ROD, tube bracing
	0911043-8	2 2	NUT, 1/2"NF
	0917666-0	2 2	YOKE, adjustable, 1/2"NF
	0912192-2	4 4	CAPSCREW, 1/2"NF x 1-3/4"
	0038234-1	4 4	NUT, high, 1/2"NF
30	0067902-7	4 4	EYEBOLT, bracing rod
	0911043-8	8 8	NUT, 1/2"NF
31	0085453-9	4 4	WASHER, plain

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

EXCEPTIONS: 14728, 14732, 14734, 14758, 14774, 14783, 14800 and 14803

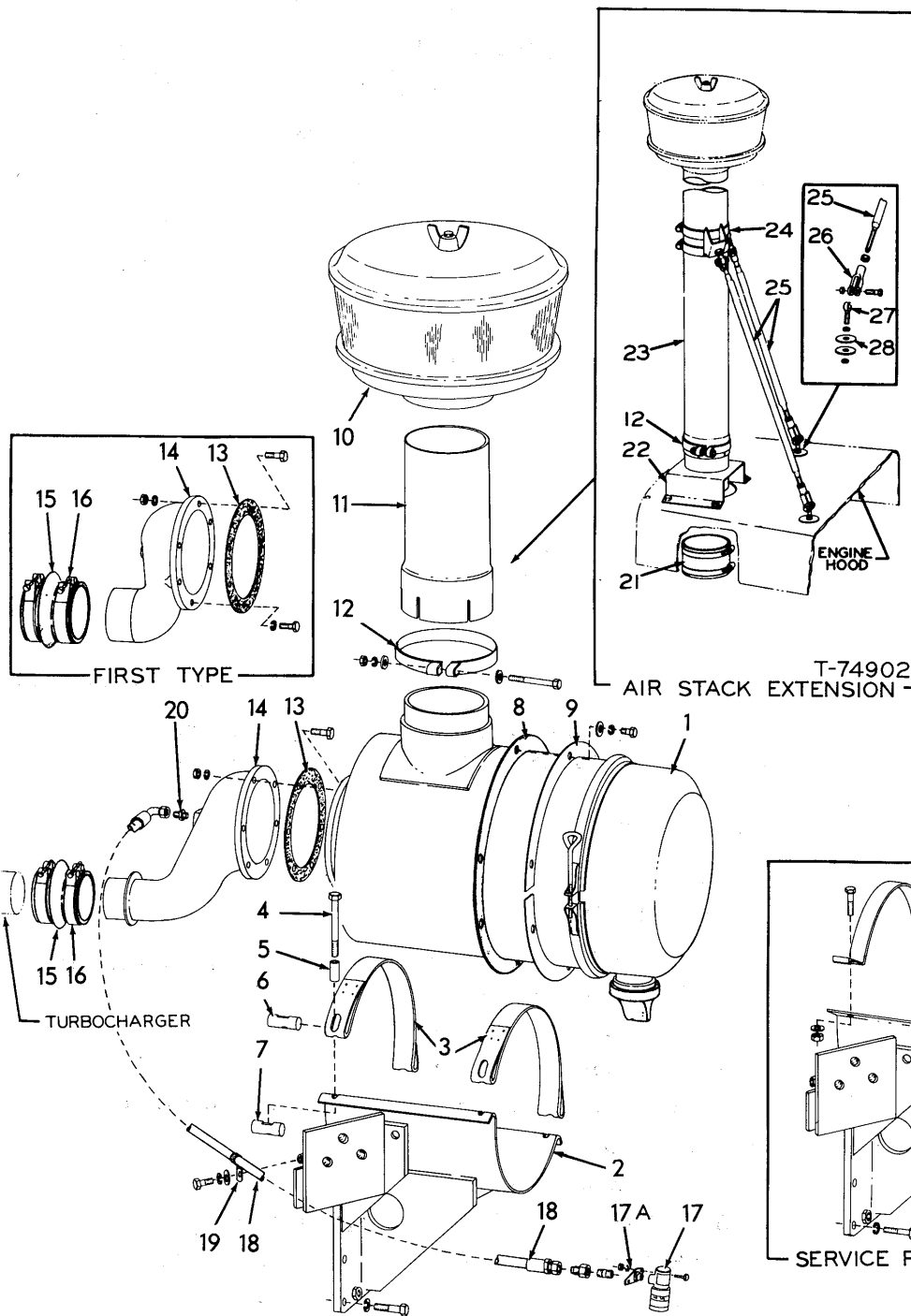


AIR CLEANER PARTS

T-73590

* 659095 CLEANER ASSY. (12")(See page 17)
 ** 662618 CLEANER ASSY. (14")(See page 21)

ITEM	PART NO.	QTY.		DESCRIPTION	
		*	**		
1	-----	1	1	BODY (Not serviced separately)	
2	{ 662609	1	-	ELEMENT ASSEMBLY, safety (inner)	Each includes item 4
	{ 662477	-	1	ELEMENT ASSEMBLY, safety (inner)	
3	{ 660360	1	-	ELEMENT ASSEMBLY, filtering (outer)	
	{ 659533	-	1	ELEMENT ASSEMBLY, filtering (outer)	
4	-----	2	2	GASKET, element retaining nut	
5	239517	2	2	NUT ASSEMBLY, element retaining (Includes item 4)	
6	{ 622895	1	-	O-RING, cup sealing	
	{ 620721	-	1	O-RING, cup sealing	
7	{ 622897	1	-	CLAMP ASSEMBLY (Includes tightening screw)	
	{ 621530	-	1	CLAMP ASSEMBLY (Includes tightening screw)	
8	{ 662257	1	-	BAFFLE ASSEMBLY (Includes wing nut)	
	{ 661162	-	1	BAFFLE ASSEMBLY (Includes wing nut)	
9	{ 662258	1	-	CUP, sediment	
	{ 661163	-	1	CUP, sediment	
10	3042943	1	1	VALVE, unloading	



AIR CLEANER (HD-11AG)

T-74916

AIR CLEANER
("Donaldson" Dry-type)

USAGE: Model HD11AG tractors serial No. 13368 and up. Also see page 27 for optional oil-bath cleaner.

ITEM	PART NO.	QTY.	DESCRIPTION
1	0662618-8	1	CLEANER ASSY., air (See page 19 for parts)
2	0657825-6	1	BRACKET, mounting (Original equipment. Order BRACKET 667137, 2-BANDS 667123, 4-CAPSCREWS 916273, 4-WASHERS 044973 and 4-NUTS 918308)
	0667137-4	1	BRACKET, mounting (Service replacement. If for first replacement also order 2-BANDS 667123, 4-CAPSCREWS 916273, 4-WASHERS 044973 and 4-NUTS 918308)
	0920648-3	4	CAPSCREW, 7/16"NC x 2"
	0904207-8	4	LOCKWASHER, 7/16"
3	0657823-1	2	BAND, mounting (Original equipment. For use with BRACKET 657825)
	0667123-4	2	BAND, mounting
	0916273-6	4	CAPSCREW, 3/8"NC x 1-3/4"
	0044973-6	4	WASHER, plain
	0918308-8	4	NUT, elastic stop, 3/8"NC
4	0082937-4	4	CAPSCREW, mounting band
5	0053667-2	4	SPACER, mounting band capscREW
6	0081795-7	4	PIN, mounting band, upper
7	0081796-5	4	PIN, mounting band, lower
8	0657833-0	1	GASKET, cleaner sealing
9	0657832-2	2	PLATE, sealing gasket
	0920539-4	6	CAPSCREW, Nylok, 3/8"NC x 1"
	0911115-4	6	WASHER, plain, SAE std., 3/8"
10	0658307-4	1	PRE-CLEANER ASSY., air (See page 23 for parts)
11	0645029-0	1	TUBE, air inlet
12	0629755-0	1	CLAMP, inlet tube
	0916390-8	1	CAPSCREW, 3/8"NF x 3-3/4"
	0044973-6	2	WASHER, plain
	0904206-0	1	LOCKWASHER, 3/8"
	0911041-2	1	NUT, 3/8"NF
13	0658759-6	1	GASKET, air intake elbow
14	0657816-5	1	ELBOW, air cleaner (Tractors prior to unit #14727 including exceptions listed below)
	0669224-8	1	ELBOW, air cleaner (Tractors unit #14727 and up excluding exceptions listed below)
	0035439-9	2	CAPSCREW, 3/8"NC x 1" (Tractors prior to unit #14727 including exceptions listed below)
	0919224-6	6	CAPSCREW, 3/8"NC x 1-1/8" (2 less used on tractors prior to unit #14727 including exceptions listed below)
	0904206-0	6	LOCKWASHER, 3/8"
	0911026-3	6	NUT, 3/8"NC
15	0659034-3	1	HOSE, air inlet (Tractors prior to unit #14727 including exceptions listed below)
	0669212-3	1	HOSE, air inlet (Tractors unit #14727 and up excluding exceptions listed below)

(Continued)

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

ITEM	PART NO.	QTY.	DESCRIPTION
16	0658781-0	2	CLAMP, air inlet hose (Tractors prior to unit #14727 including exceptions listed below)
	0925262-8	2	CLAMP, air inlet hose (Tractors unit #14727 and up excluding exceptions listed below)
17	4388648-0	1	INDICATOR, air restriction (If for first replacement on tractors prior to unit #14670 also order item 17A)
17A	3045531-5	1	FLANGE, indicator mounting
	0925343-6	2	CAPSCREW, cd.-pltd., 1/4"NC x 3/4"
	0904204-5	2	LOCKWASHER, 1/4"
	0911024-8	2	NUT, 1/4"NC
18	0646931-6	1	HOSE, restriction indicator (See HOSE PARTS)
	0919174-3	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT female
	0904273-0	1	NIPPLE, pipe, 1/8"NPT x 1"
19	0644006-9	1	CLIP, supporting, indicator hose
	0035439-9	1	CAPSCREW, 3/8"NC x 1"
	0904206-0	1	LOCKWASHER, 3/8"
	0911115-4	1	WASHER, plain, SAE std., 3/8"
20	0631769-7	1	FITTING, safety, restriction indicator line

NOTE: Items listed below are special equipment.

21	0660564-6	1	HOSE, air stack
	0921919-7	2	CLAMP, hose, 4-5/8" to 7-1/4" diam.
22	0658223-3	1	TUBE, supporting
	0919230-3	4	CAPSCREW, 1/2"NC x 1-3/8"
	0064531-7	4	WASHER, plain
	0904208-6	4	LOCKWASHER, 1/2"
	0911028-9	4	NUT, 1/2"NC
23	0650991-3	1	TUBE, extension
24	0665592-2	1	BRACKET, bracing rod
	0919227-9	2	CAPSCREW, 3/8"NC x 3-1/4"
	0044973-6	4	WASHER, plain
	0904206-0	2	LOCKWASHER, 3/8"
	0911026-3	2	NUT, 3/8"NC
25	0665606-0	2	ROD, tube bracing
	0911041-2	4	NUT, 3/8"NF
26	0628736-1	4	YOKE, bracing rod
	0916383-3	4	CAPSCREW, 3/8"NF x 1-1/2"
	0913434-7	4	NUT, high, 3/8"NF
27	0057148-9	4	EYE-BOLT, bracing rod
	0911041-2	8	NUT, 3/8"NF
	0911115-4	4	WASHER, plain, SAE std., 3/8"
28	0665609-4	8	WASHER, plain, lower eye-bolt

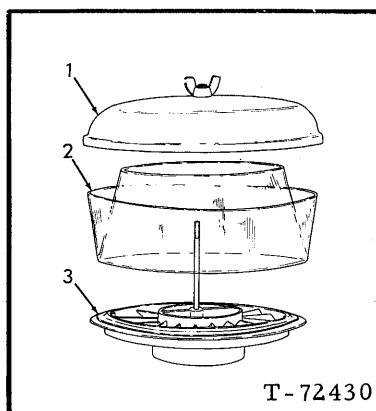
NOTE: See PAINTING AND MARKING for instruction transfer applied to air stack.

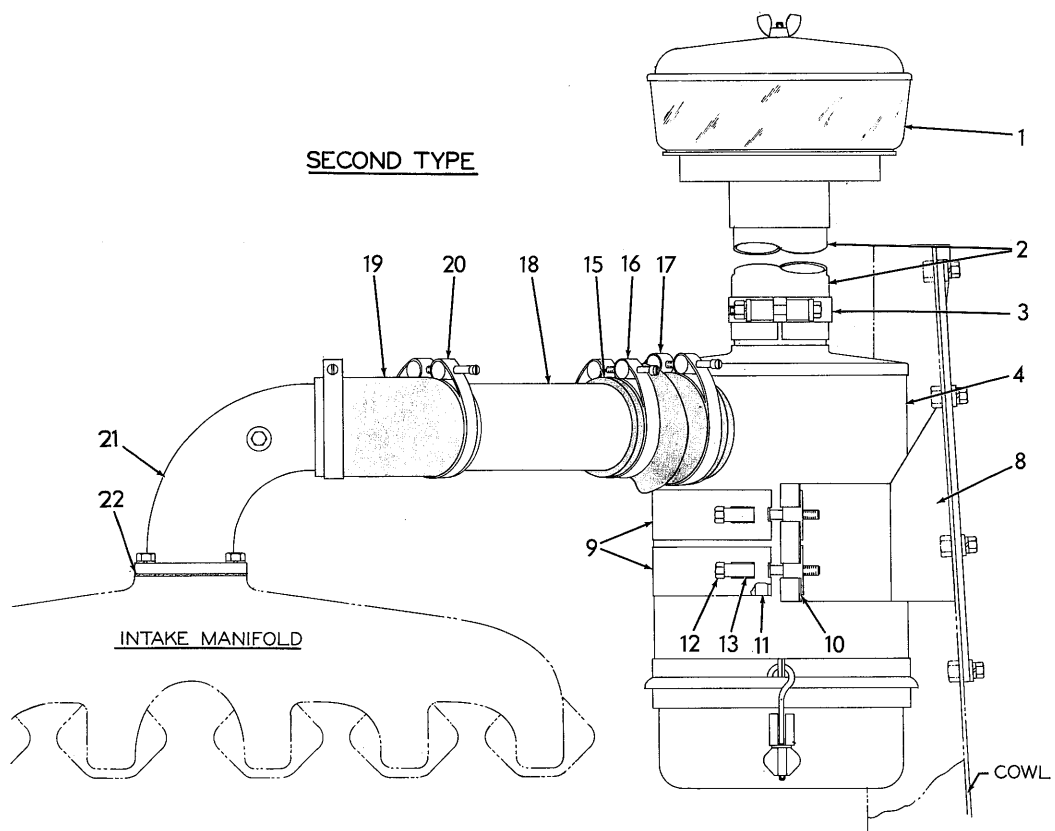
EXCEPTIONS: 14729, 14730, 14731, 14737, 14743,
14745, 14747, 14751 and 14759

AIR PRE-CLEANER ASSEMBLY 658307

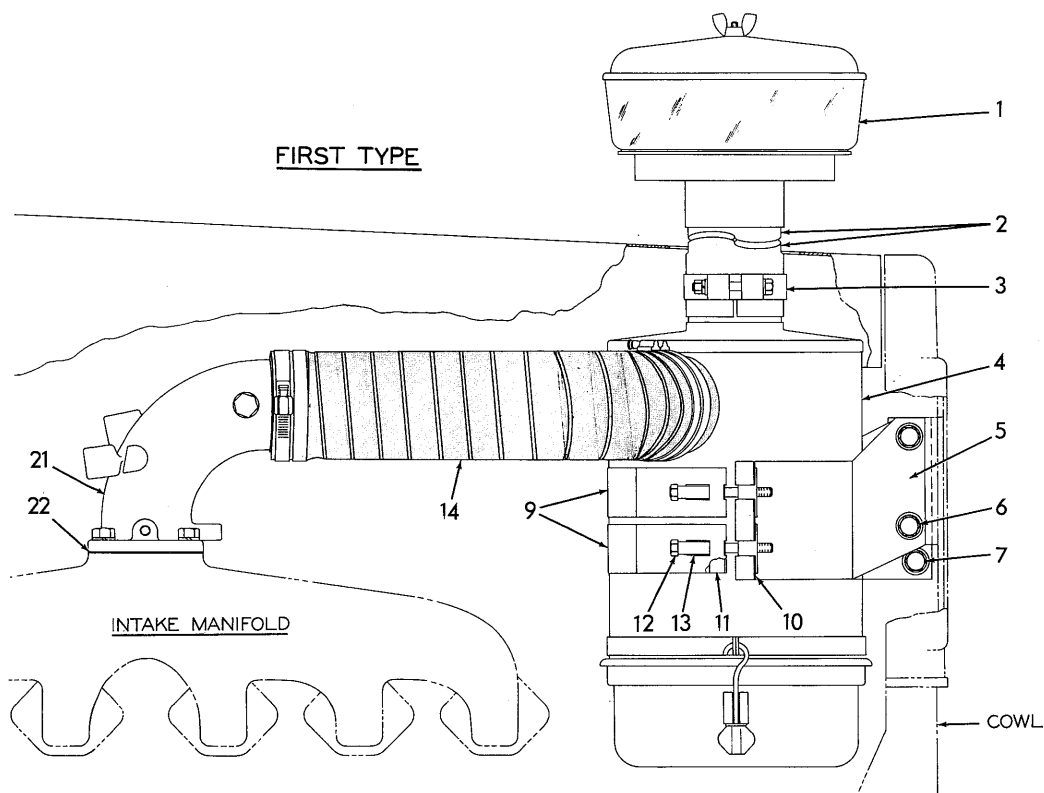
USAGE: See page 21

ITEM	PART NO.	QTY.	DESCRIPTION
1	658308	1	COVER
2	658309	1	BOWL, sediment (clear plastic)
3	658310	1	ADAPTER ASSEMBLY (Includes center stud)





T-74690



T-72456

AIR CLEANER (Oil-bath)

AIR CLEANER (Oil-bath)

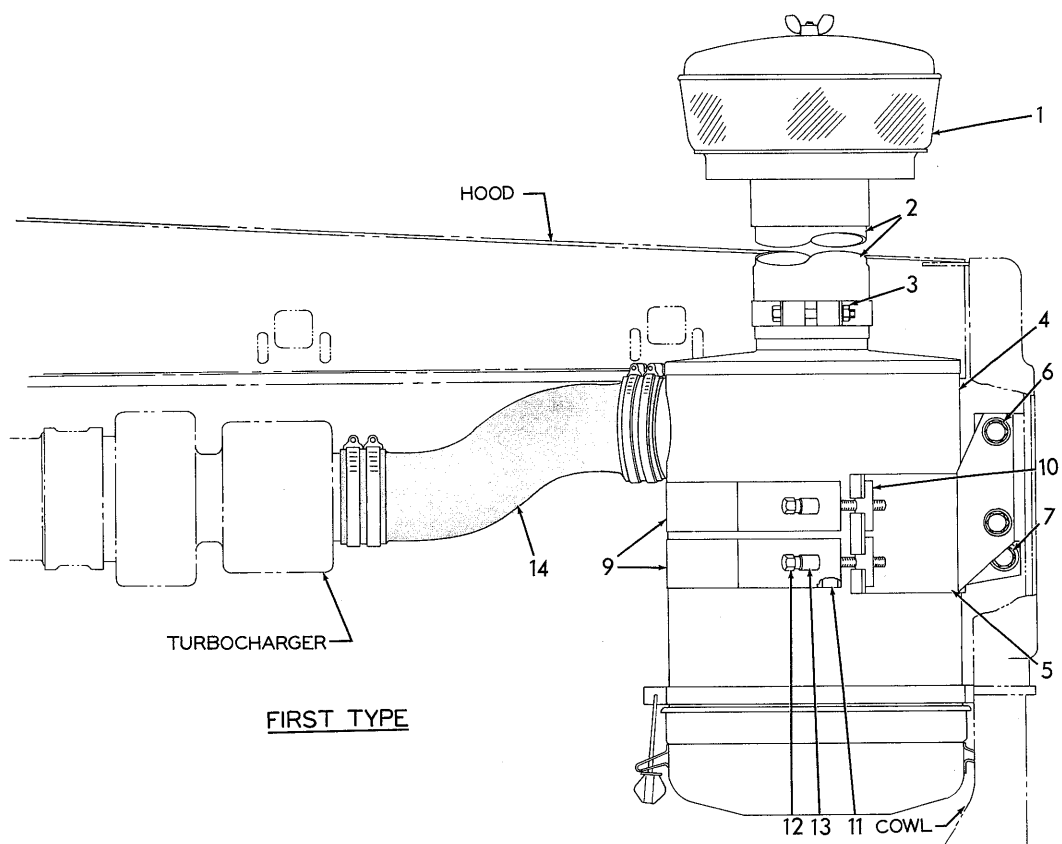
USAGE: For units without turbocharger. Special equipment.

* Tractors prior to serial No. 13368

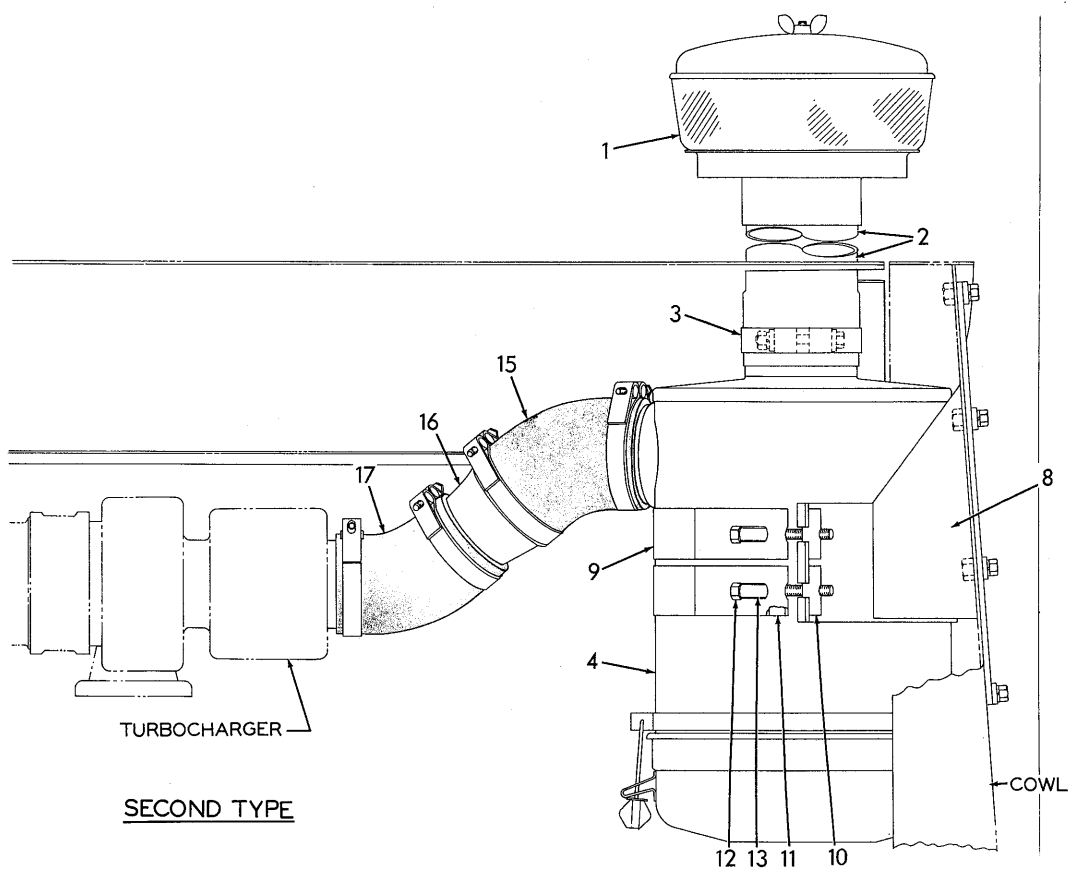
** Tractors serial No. 13368 and up

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	650473	1	1	PRE-CLEANER ASSEMBLY, air (See page 74 for parts)
2	654938	1	1	TUBE, air inlet
3	634091	1	1	CLAMP, air inlet tube
	919227	1	1	CAPSCREW, 3/8"NC x 3-1/4"
	044973	2	2	WASHER, plain
	904206	1	1	LOCKWASHER, 3/8"
	911026	1	1	NUT, 3/8"NC
4	4025956	1	1	CLEANER ASSEMBLY, air (See page 74 for parts)
5	654892	1	-	SADDLE, mounting
6	035221	1	-	CAPSCREW, 1/2"NC x 1"
7	035061	3	-	CAPSCREW, 1/2"NC x 1-1/4"
	904208	4	-	LOCKWASHER, 1/2"
	064531	4	-	WASHER plain
8	660225	-	1	SADDLE, mounting
	916272	-	6	CAPSCREW, 3/8"NC x 1-1/4"
	904206	-	6	LOCKWASHER, 3/8"
	044973	-	6	WASHER, plain
9	654961	2	2	BAND, air cleaner mounting
10	081796	4	4	PIN, mounting band (threaded hole)
11	081795	4	4	PIN, mounting band (plain hole)
12	086238	4	4	CAPSCREW, mounting band
13	053667	4	4	SPACER, mounting band capscREW
14	650552	1	-	HOSE, cleaner to manifold
	921916	4	-	CLAMP, hose, 3-3/4" to 4-3/4" diam.
15	4357686	-	1	HOSE, air inlet tube, rear
16	658781	-	1	CLAMP, hose (small)
17	193822	-	1	CLAMP, hose (large)
18	660229	-	1	TUBE, air inlet
19	660258	-	1	HOSE, air inlet tube, front
20	658781	-	2	CLAMP, hose
21	622432	1	-	ELBOW, air inlet
	660228	-	1	ELBOW, air inlet
	919840	1	1	PLUG, pipe, hex-hd., 1/4"NPT
	919134	1	-	PLUG, pipe, hex-hd., 1/8"NPT
	916311	4	4	CAPSCREW, 1/2"NC x 1-1/4"
	904208	4	4	LOCKWASHER 1/2"
22	084868	1	1	GASKET, air inlet elbow

NOTE: See PAINTING AND MARKING for transfers



T-72380



T-74917

AIR CLEANER (Oil-bath)

AIR CLEANER (Oil-bath)

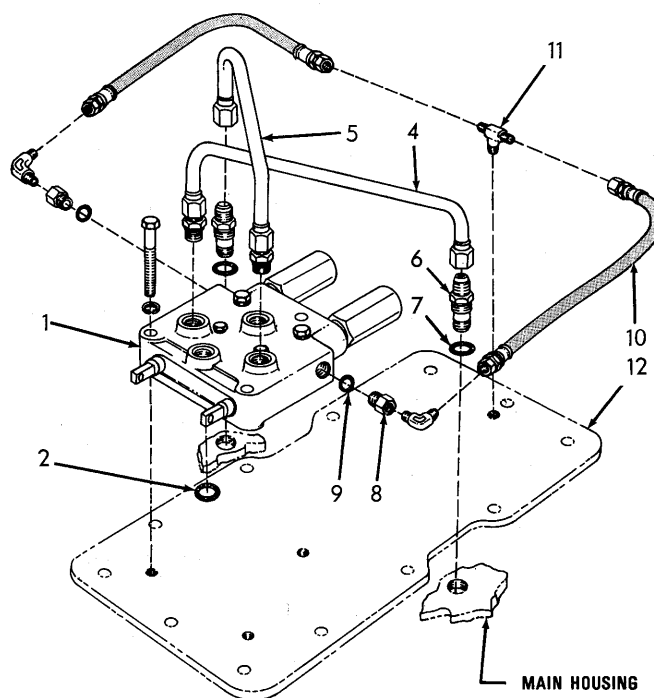
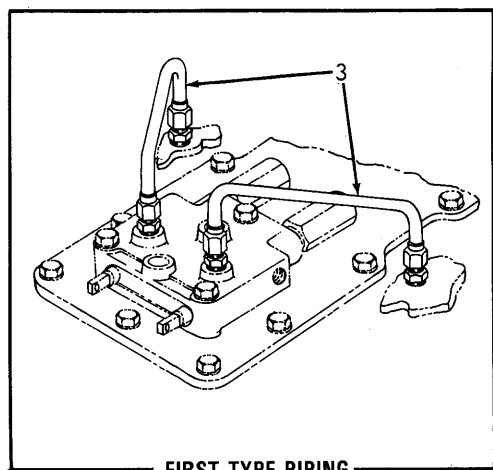
USAGE: Special equipment. For units with turbocharger only.

* Tractors prior to serial No. 13368

** Tractors serial No. 13368 and up

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	655272	1	1	PRE-CLEANER ASSEMBLY, air (See page 74 for parts)
2	622685	1	1	TUBE, air inlet
3	639725	1	1	CLAMP, air inlet tube
	919227	1	1	CAPSCREW, 3/8"NC x 3-1/4"
	044973	2	2	WASHER, plain
	904206	1	1	LOCKWASHER, 3/8"
	911026	1	1	NUT, 3/8"NC
4	655270	1	1	CLEANER ASSEMBLY, air (See page 74 for parts)
5	656663	1	-	SADDLE, mounting
6	035221	2	-	CAPSCREW, 1/2"NC x 1"
7	035061	2	-	CAPSCREW, 1/2"NC x 1-1/4"
	904208	4	-	LOCKWASHER, 1/2"
	064531	4	-	WASHER, plain
8	660242	-	1	SADDLE, mounting
	916272	-	6	CAPSCREW, 3/8"NC x 1-1/4"
	904206	-	6	LOCKWASHER, 3/8"
	044973	-	6	WASHER, plain
9	622884	2	2	BAND, air cleaner mounting
10	081796	4	4	PIN, mounting band (threaded hole)
11	081795	4	4	PIN, mounting band (plain hole)
12	086238	4	4	CAPSCREW, mounting band
13	053667	4	4	SPACER, mounting band capscREW
14	656665	1	-	HOSE, cleaner to turbocharger
	921916	4	-	CLAMP, hose, 3-3/4" to 4-3/4" diam.
15	660252	-	1	HOSE, rear
	193822	-	2	CLAMP, hose
16	660260	-	1	REDUCER, air inlet
17	660258	-	1	HOSE, front
	658781	-	2	CLAMP, hose

NOTE: See PAINTING AND MARKING for transfer



CONTROL VALVE AND LINES

T-73597

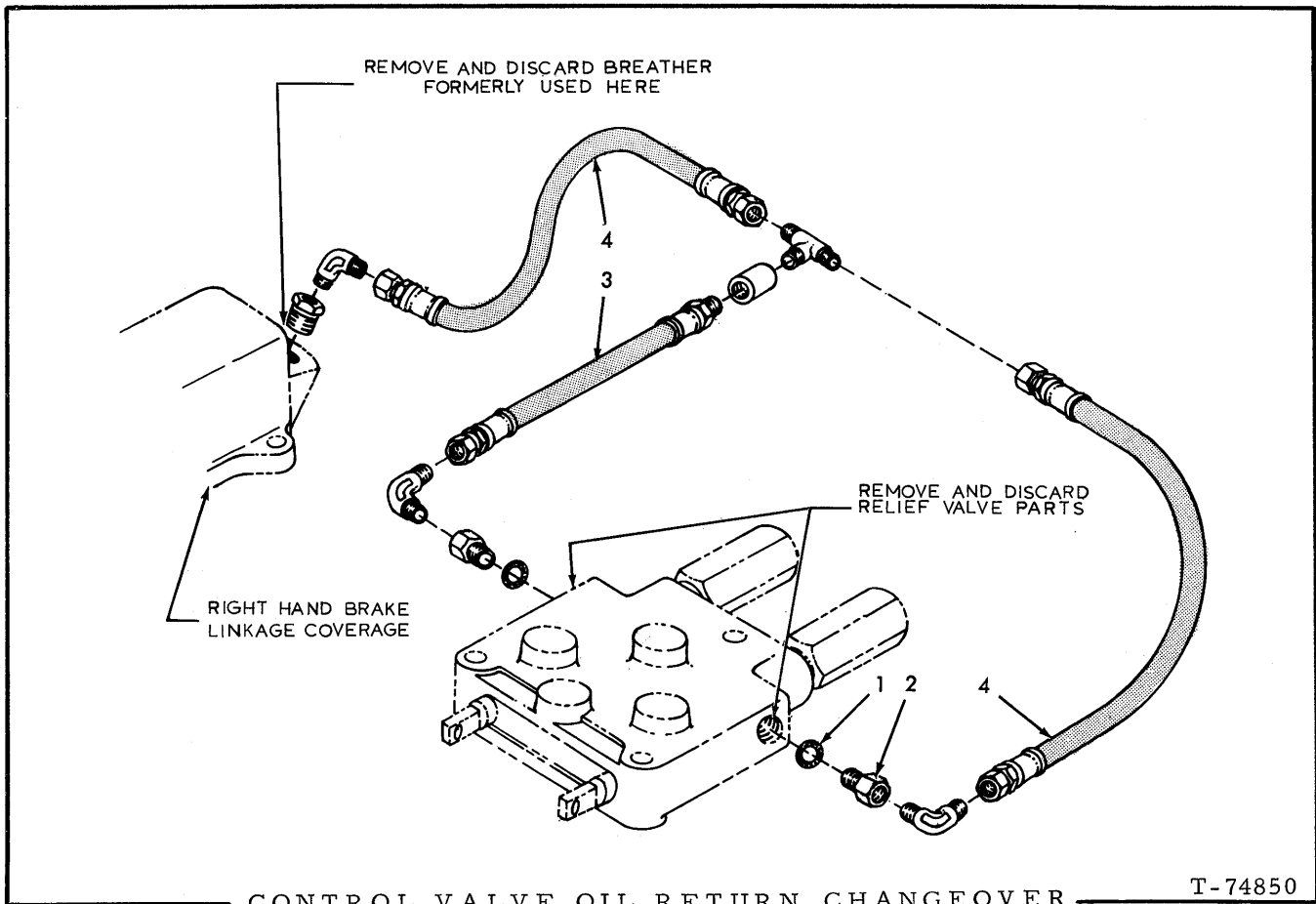
- * Tractors prior to serial No. 12630, excluding Nos. 12616, 12619, 12620, 12623, 12626
- ** Tractors serial No. 12630 thru 13367, including Nos. 12616, 12619, 12620, 12623, 12626
- △ Tractors serial No. 13368 and up

ITEM	PART NO.	QUANTITY			DESCRIPTION
		*	**	△	
1	651739	1	-	-	VALVE ASSEMBLY, control (See page 31 for parts)(Order VALVE ASSEMBLY 662410 and items 6 thru 9)
	662410	-	1	1	VALVE ASSEMBLY, control (See page 31 for parts)
	916388	3	3	3	CAPSCREW, 3/8"NF x 2-3/4"
	904206	3	3	3	LOCKWASHER, 3/8"
2	923947	1	1	1	O-RING, valve to compartment cover
3	651920	2	2	-	TUBE ASSEMBLY, clutch control (Includes nuts)
	921409	2	2	-	CONNECTOR, flare type, 1/2" tube, 3/4"NF male end (Includes O-RING 921349)

(Continued)

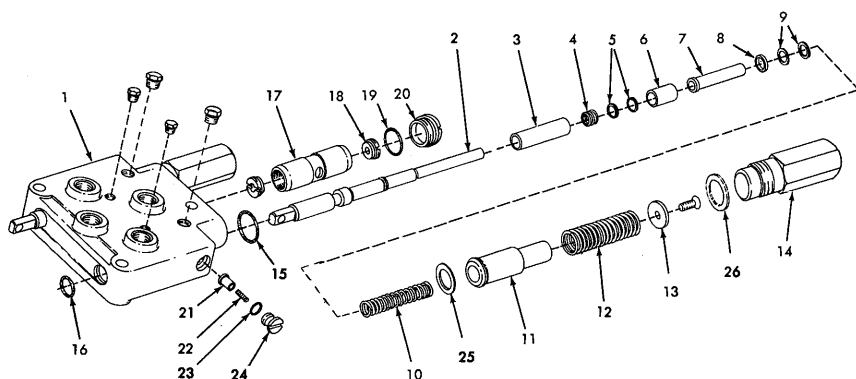
CONTROL VALVE AND LINES (Continued)

ITEM	PART NO.	QUANTITY			DESCRIPTION
		*	**	Δ	
4	659959	-	-	1	TUBE ASSEMBLY, left clutch (Includes nuts)
	921409	-	-	1	CONNECTOR, flare type, 1/2" tube, 3/4"NF male end (Includes O-RING 921349)
5	659960	-	-	1	TUBE ASSEMBLY, right clutch (Includes nuts)
	921409	-	-	1	CONNECTOR, flare type, 1/2" tube, 3/4"NF male end (Includes O-RING 921349)
6	651893	2	2	2	UNION, bulkhead
7	921206	2	2	2	O-RING, bulkhead union
8	920225	-	2	2	CONNECTOR, oil return hose (flare type, 5/16" tube, 1/8" NPT female)
9	923663	-	2	2	O-RING, oil return hose connector
10	646340	-	2	2	HOSE, oil return (See HOSE PARTS)
	919173	-	2	2	ELBOW, flare type, 1/4" tube , 1/8"NPT male
11	919773	-	1	1	TEE, oil return hose (flare type, 1/4" tube, 1/8"NPT male side)
12	-----	-	-	-	COVER, bevel gear compartment(See STEERING CLUTCH AND FINAL DRIVE HOUSING)



USAGE: For tractors prior to serial No. 12630, excluding Nos. 12616, 12619, 12620, 12623 and 12626. Requires removal of relief valve parts from CONTROL VALVE 651739.

ITEM	PART NO.	QTY.	DESCRIPTION
1	923663	2	O-RING, hose connector
2	920225	2	CONNECTOR, oil return hose (flare type, 5/16" tube, 1/8"NPT female)
3	646911	1	HOSE, oil return (See HOSE PARTS)
	919173	1	ELBOW, flare type, 1/4" tube, 1/8"NPT male
	901763	1	COUPLING, pipe, 1/8"NPT
	919773	1	TEE, flare type, 1/4" tube, 1/8"NPT male side
4	646340	2	HOSE, oil return (See HOSE PARTS)
	919173	2	ELBOW, flare type, 1/4" tube, 1/8"NPT male
	901838	1	BUSHING, pipe reducing, 3/8"NPT to 1/8"NPT

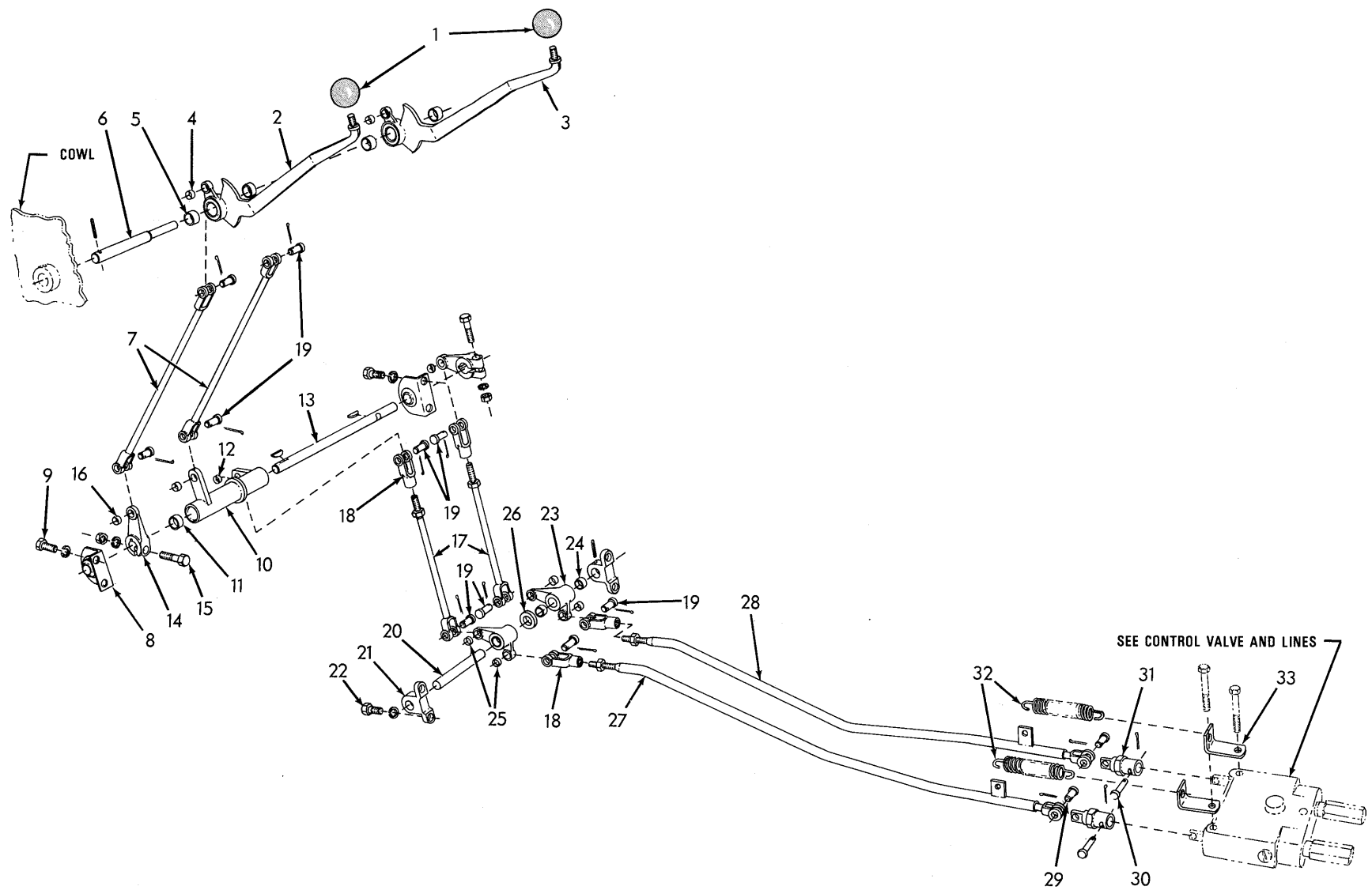


CONTROL VALVE PARTS

T-72413

* VALVE ASSEMBLY 651739 }
 ** VALVE ASSEMBLY 662410 } See page 28

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	-----	1	1	BODY (Not serviced separately)
	919134	2	2	PLUG, pipe, hex-hd., 1/8"NPT
	919840	2	2	PLUG, pipe, hex-hd., 1/4"NPT
2	-----	2	2	PLUNGER (Not serviced separately)
3	651564	2	2	PISTON, pressure regulating
4	651569	2	2	SPRING, pressure regulating (short)
5	{ 651576	2	2	SHIM, pressure adjustment (.015" thick) } Use as required
	651577	2	2	SHIM, pressure adjustment (.005" thick) }
6	651571	2	2	SLEEVE, valve plunger (outer)
7	651572	2	2	SLEEVE, valve plunger (inner)
8	651573	2	2	WASHER, valve plunger
9	{ 651574	2	2	SHIM, pressure adjustment (.015" thick) } Use as required
	651575	2	2	SHIM, pressure adjustment (.005" thick) }
10	661676	2	2	SPRING, pressure regulating (long)
11	651565	2	2	SLEEVE, plunger return spring
12	651570	2	2	SPRING, plunger return
13	651567	2	2	WASHER, end, valve plunger
	924989	2	2	SCREW, machine, flat-hd., 1/4"NF x 7/8"
14	651566	2	2	CAP, valve plunger
15	924416	2	2	O-RING, valve body (large)
16	923645	2	2	O-RING, valve body (small)
17	-----	1	1	PLUNGER, flow divider (Not serviced separately)
18	660057	2	2	PLUG, orifice, flow divider plunger
19	923988	1	1	O-RING, flow divider plug
20	654523	1	1	PLUG ASSEMBLY, flow divider (Includes item 19)
21	656190	2	-	PLUNGER, relief valve
22	656192	2	-	SPRING, relief valve
23	923663	2	-	O-RING, relief valve plug
24	656191	2	-	PLUG ASSEMBLY, relief valve (Includes item 23)
25	663123	1	1	SHIM, plunger clearance (Late units) } Use as required
26	663124	1	1	SHIM, plunger clearance (Early units) }



STEERING LEVERS AND LINKAGE (Second type)

T-74935

STEERING LEVERS AND LINKAGE

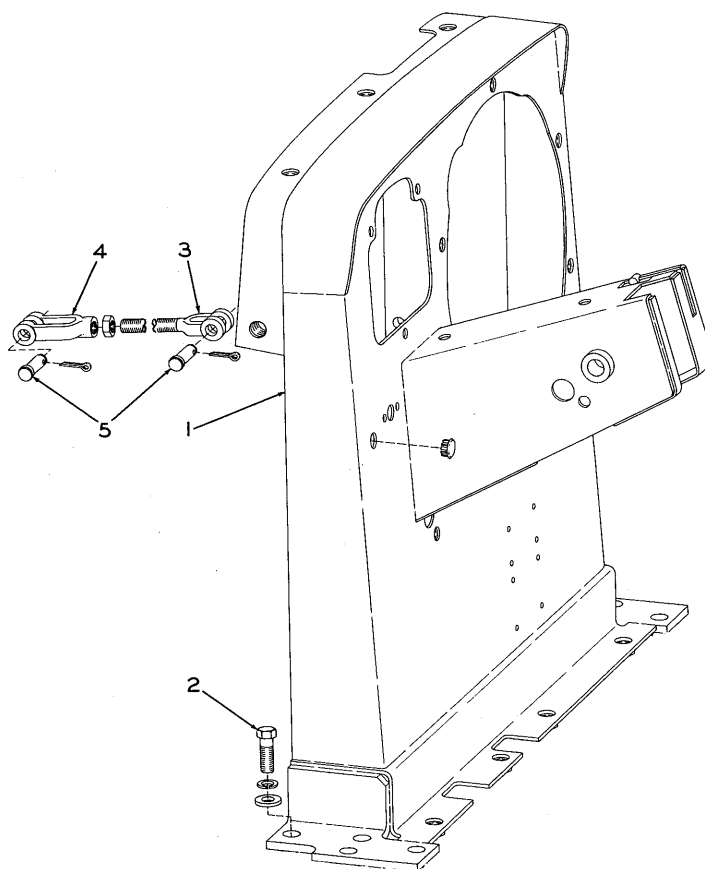
USAGE: Tractors serial No.13368 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	090020	2	KNOB, steering lever
2	657847	1	LEVER ASSEMBLY, steering, left (Includes items 4 and 5)
3	657848	1	LEVER ASSEMBLY, steering, right (Includes items 4 and 5)
4	624584	2	BUSHING, steering lever (small)
5	630795	4	BUSHING, steering lever (large)
6	629716	1	SHAFT, steering levers
	915989	1	PIN, spring, 3/16" x 1-3/8"
7	657853	2	ROD, upper
8	654656	2	BEARING ASSEMBLY, upper cross shaft (Serviced only as a unit)
9	036032	4	CAPSCREW, 3/8"NF x 3/4"
	904206	4	LOCKWASHER, 3/8"
10	660050	1	LEVER ASSEMBLY, upper cross shaft, inner (Includes items 11 and 12)
11	630795	2	BUSHING, inner lever (large)
12	624584	2	BUSHING, inner lever (small)
13	657852	1	SHAFT, cross, upper
	905123	2	KEY, #9 woodruff, 3/16" x 3/4"
14	630836	2	LEVER ASSEMBLY, upper cross shaft, outer (Includes item 16)
15	046419	2	CAPSCREW, 3/8"NF x 2"
	904206	2	LOCKWASHER, 3/8"
	911041	2	NUT, 3/8"NF
16	624584	2	BUSHING, outer lever
17	657855	2	ROD, vertical
	911041	2	NUT, 3/8"NF
18	628736	4	YOKE, control rod
19	078810	10	PIN, control linkage yokes
	900801	10	PIN, cotter, 3/32" x 3/4"
20	633628	1	SHAFT, cross, lower
	915751	1	PIN, spring, 3/16" x 1-1/2"
21	633607	2	BLOCK, pillow, lower cross shaft
22	036034	4	CAPSCREW, 3/8"NF x 1"
	904206	4	LOCKWASHER, 3/8"
23	633648	2	BELLCRANK ASSEMBLY, lower (Includes items 24 and 25)
24	630795	4	BUSHING, lower bellcrank (large)

(Continued)

STEERING LEVERS AND LINKAGE (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
25	624584	4	BUSHING, lower bellcrank (small)
26	062334	1	SPACER, lower shaft
27	651921	1	ROD, horizontal, left
	911041	1	NUT, 3/8"NF
28	651922	1	ROD, horizontal, right
	911041	1	NUT, 3/8"NF
29	627451	2	PIN, control rod, rear
	900801	2	PIN, cotter, 3/32" x 3/4"
30	630833	2	PIN, retaining, over-travel
	900801	2	PIN, cotter, 3/32" x 3/4"
31	656151	2	OVER-TRAVEL ASSEMBLY (Serviced only as a unit)
32	072438	2	SPRING, rod retracting
33	628821	2	CLIP, retracting spring



T-74937

COWL

USAGE: Tractors serial No. 13368 and up

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

1	657871	1	COWL
	921113	1	PLUG, button, 11/16" hole-diam. (Not used when ENGINE PRIMER is installed)
2	035236	8	CAPSCREW, 1/2"NC x 1-3/4"
	904208	8	LOCKWASHER, 1/2"
	064531	8	WASHER, plain

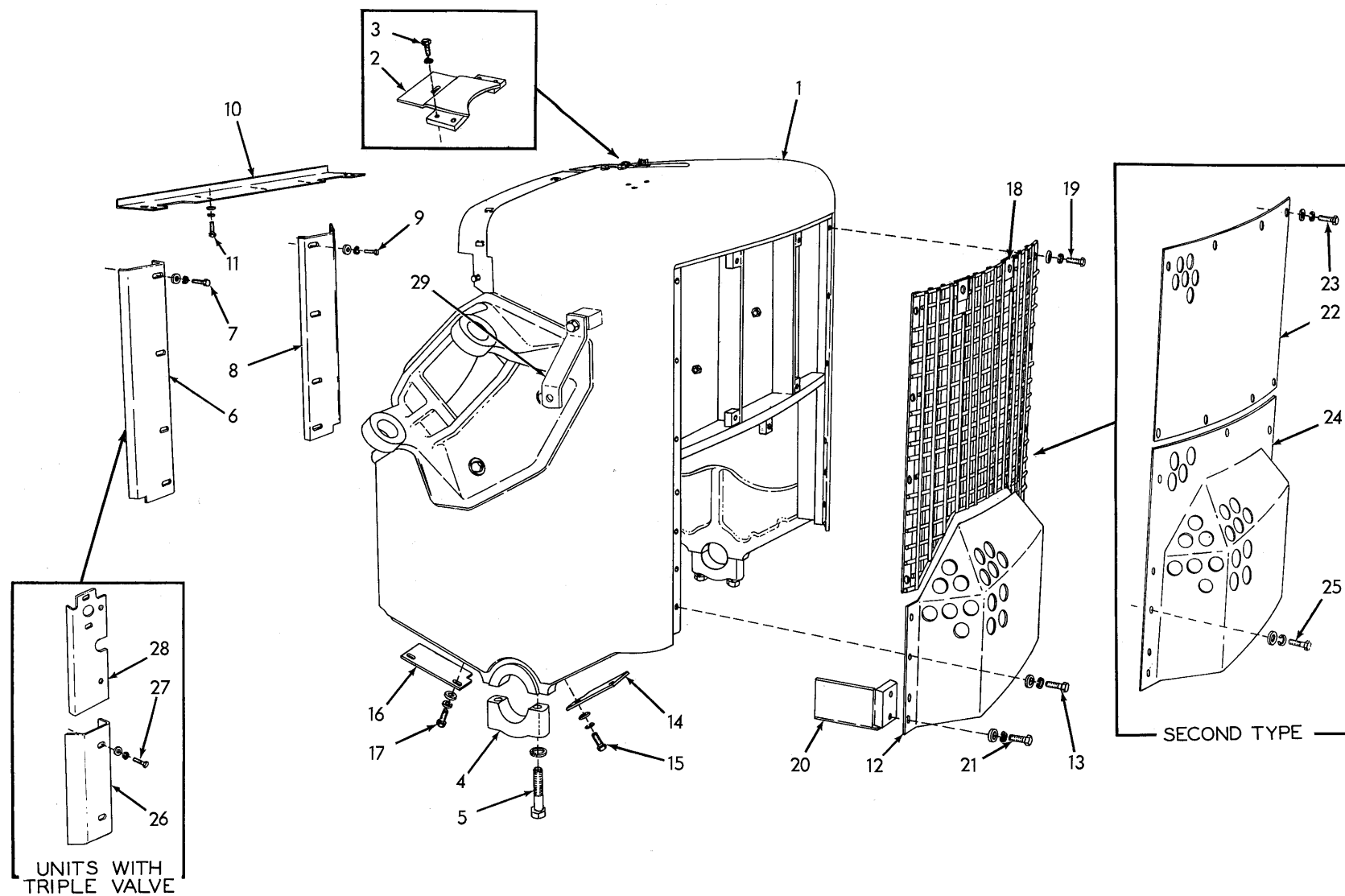
3	643226	1	ROD, cowl bracing
	913830	1	NUT, jam, 1/2"NF

4	917666	1	YOKE, cowl bracing
---	--------	---	--------------------

5	917648	2	PIN, cowl bracing yoke
	900806	2	PIN, cotter, 1/8" x 1"

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

667364	1	BRACKET, bracing rod (For units with optional oil-bath air cleaner only)
916255	2	CAPSCREW, 7/16"NC x 1-3/4"
904207	2	LOCKWASHER, 7/16"



RADIATOR GUARD (Hydraulic)

RADIATOR GUARD (Hydraulic)

USAGE: Optional equipment. For units with hydraulic dozer.

* Tractors prior to serial No. 13368

** Tractors serial No. 13368 and up

ITEM	PART NO.	QTY.		DESCRIPTION	
		*	**		
1	645499	1	-	GUARD ASSY.	} Each includes items 2 thru 5
	660955	-	1	GUARD ASSY.	
2	651623	1	1	PLATE, top closure	
3	070467	4	4	CAPSCREW, 1/2"NF x 1"	
	904208	4	4	LOCKWASHER, 1/2"	
4	085555	2	2	CAP, guard pivot	
5	075878	4	4	CAPSCREW, 7/8"NF x 4"	
	905347	4	4	LOCKWASHER, 7/8"	
6	645598	1	1	BAFFLE, air, right side (Tractors prior to #14010)	
	645512	-	1	BAFFLE, air, right side (Tractors #14010 and up)	
7	036034	4	4	CAPSCREW, 3/8"NF x 1"	
	904206	4	4	LOCKWASHER, 3/8"	
	044973	4	4	WASHER, plain	
8	645597	1	1	BAFFLE, air, left side (Tractors prior to #14010)	
	645511	-	1	BAFFLE, air, left side (Tractors #14010 and up)	
9	036034	4	4	CAPSCREW, 3/8"NF x 1"	
	904206	4	4	LOCKWASHER, 3/8"	
	044973	4	4	WASHER, plain	
10	641490	1	1	BAFFLE, air, upper	
11	036034	5	5	CAPSCREW, 3/8"NF x 1"	
	904206	5	5	LOCKWASHER, 3/8"	
	044973	5	5	WASHER, plain	
11A	647853	-	1	BAFFLE, air, lower left	} Tractors #14010 and up
11B	657591	-	1	BAFFLE, air, lower right	
12	644715	1	-	PLATE, front closure, lower	
13	035190	4	-	CAPSCREW, 1/2"NC x 1-1/2"	
	904208	4	-	LOCKWASHER, 1/2"	
	064531	4	-	WASHER, plain	
14	085305	2	2	PLATE, bottom closure, front	
15	035018	4	4	CAPSCREW, 1/2"NF x 1-1/2"	
	904208	4	4	LOCKWASHER, 1/2"	
	064531	4	4	WASHER, plain	
16	085304	2	2	PLATE, bottom closure, rear	
17	035018	4	4	CAPSCREW, 1/2"NF x 1-1/2"	
	904208	4	4	LOCKWASHER, 1/2"	
	064531	4	4	WASHER, plain	
18	644728	1	-	GRILL, front closure, upper	
19	035190	10	-	CAPSCREW, 1/2"NC x 1-1/2"	
	904208	10	-	LOCKWASHER, 1/2"	
	064531	10	-	WASHER, plain	
20	622767	1	1	COVER, side closure, left	
	622768	1	1	COVER, side closure, right	
21	035190	4	4	CAPSCREW, 1/2"NC x 1-1/2"	
	904208	4	4	LOCKWASHER, 1/2"	
	064531	4	4	WASHER, plain	

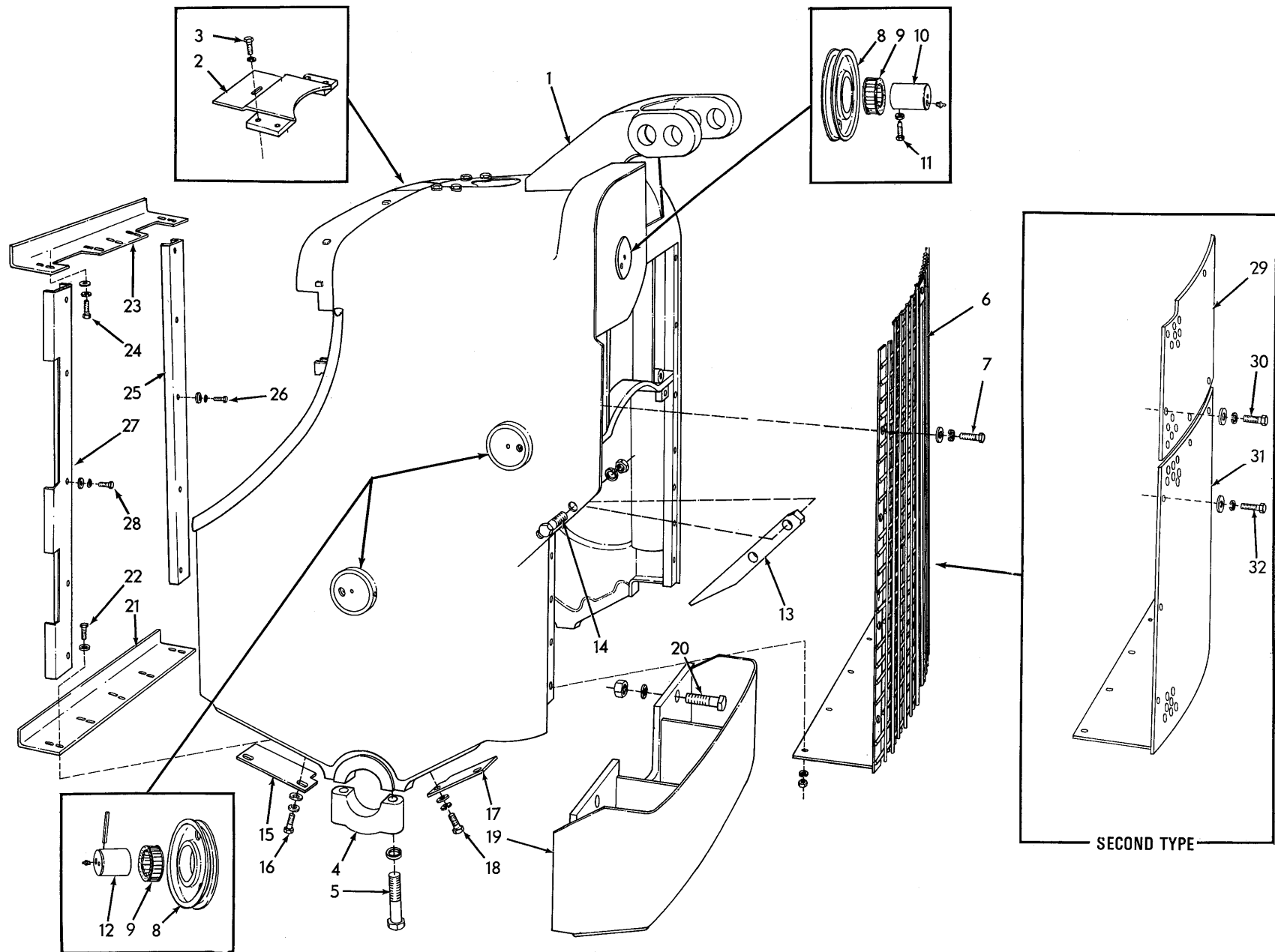
(Continued)

RADIATOR GUARD (Hydraulic)(Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
22	660629	-	1	PLATE, front closure, upper section
23	035190	-	8	CAPSCREW, 1/2"NC x 1-1/2"
	904208	-	8	LOCKWASHER, 1/2"
	064531	-	8	WASHER, plain
24	661043	-	1	PLATE, front closure, lower section
25	035190	-	7	CAPSCREW, 1/2"NC x 1-1/2"
	904208	-	7	LOCKWASHER, 1/2"
	064531	-	7	WASHER, plain
<u>NOTE:</u> Items 26,27 and 28 are used only on units equipped with triple-control hydraulic valve				
26	645898	2	2	BAFFLE, air, lower section
27	012992	4	4	CAPSCREW, 3/8"NF x 1-1/4"
	904206	4	4	LOCKWASHER, 3/8"
	044973	4	4	WASHER, plain
28	645871	1	1	BAFFLE, air, left side, upper section
	645872	1	1	BAFFLE, air, right side, upper section
29	660474	2	2	STRAP, cylinder tie-down (Used only when transporting tractor with dozer blade removed)
	916311	2	2	CAPSCREW, 1/2"NC x 1-1/4"
	904208	2	2	LOCKWASHER, 1/2"

NOTE: See PAINTING AND MARKING for transfers

MEMO



RADIATOR GUARD (Cable)

RADIATOR GUARD (Cable)

USAGE: Optional equipment. For units with cable dozer.

* Tractors prior to serial No. 13368

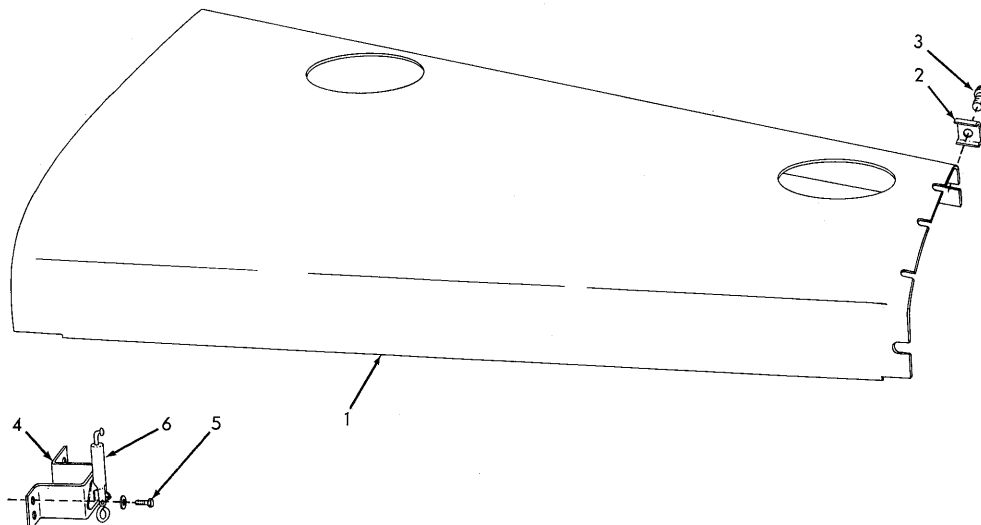
** Tractors serial No. 13368 and up

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	645501	1	-	GUARD ASSEMBLY
	660398	-	1	GUARD ASSEMBLY
Each includes items 2 thru 5				
2	651623	1	1	PLATE, top closure
3	070467	4	4	CAPSCREW, 1/2"NF x 1"
	904208	4	4	LOCKWASHER, 1/2"
4	085555	2	2	CAP, guard pivot
5	075878	4	4	CAPSCREW, 7/8"NF x 4"
	905347	4	4	LOCKWASHER, 7/8"
6	642814	1	-	GRILLE, front closure
7	035190	10	-	CAPSCREW, 1/2"NC x 1-1/2"
	904208	10	-	LOCKWASHER, 1/2"
	064531	10	-	WASHER, plain
8	084758	3	3	SHEAVE, control cable
9	044875	3	3	BEARING, roller, cable sheave
10	085521	1	1	SHAFT, front sheave
	914465	1	1	FITTING, lubricating, straight, 1/8"NPT
11	035188	1	1	SETSCREW, shaft retaining
	911035	1	1	NUT, jam, 1/2"NC
12	084384	2	2	SHAFT, side sheaves
	914465	2	2	FITTING, lubricating, straight, 1/8"NPT
	917936	2	2	PIN, spring, 3/8" x 3-1/2"
13	085395	1	1	GUIDE, cable
14	035306	2	2	CAPSCREW, 5/8"NF x 3-1/4"
	904209	2	2	LOCKWASHER, 5/8"
	911044	2	2	NUT, 5/8"NF
15	085304	2	2	PLATE, bottom closure, rear
16	035018	4	4	CAPSCREW, 1/2"NF x 1-1/2"
	904208	4	4	LOCKWASHER, 1/2"
	064531	4	4	WASHER, plain
17	085305	2	2	PLATE, bottom closure, front
18	035018	4	4	CAPSCREW, 1/2"NF x 1-1/2"
	904208	4	4	LOCKWASHER, 1/2"
	064531	4	4	WASHER, plain
19	607461	1	1	GUARD, front
20	070272	4	4	CAPSCREW, 1"NF x 3"
	910916	4	4	LOCKWASHER, 1"
	911047	4	4	NUT, 1"NF
21	641491	1	1	BAFFLE, air, lower
22	012992	5	5	CAPSCREW, 3/8"NF x 1-1/4"
	044973	5	5	WASHER, plain
	904206	5	5	LOCKWASHER, 3/8"
	911041	5	5	NUT, 3/8"NF

(Continued)

RADIATOR GUARD (Cable)(Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
23	641490	1	1	BAFFLE, air, upper
24	036034	5	5	CAPSCREW, 3/8"NF x 1"
	904206	5	5	LOCKWASHER, 3/8"
	044973	5	5	WASHER, plain
25	085413	1	1	BAFFLE, air, left side
26	036034	5	5	CAPSCREW, 3/8"NF x 1"
	904206	5	5	LOCKWASHER, 3/8"
	044973	5	5	WASHER, plain
27	085519	1	1	BAFFLE, air, right side (Tractors prior to #14010)
	645509	-	1	BAFFLE, air, right side (Tractors #14010 and up)
28	036034	5	5	CAPSCREW, 3/8"NF x 1"
	904206	5	5	LOCKWASHER, 3/8"
	044973	5	5	WASHER, plain
29	660396	-	1	PLATE, front closure, upper section
30	035190	-	7	CAPSCREW, 1/2"NC x 1-1/2"
	904208	-	7	LOCKWASHER, 1/2"
	064531	-	7	WASHER, plain
31	660397	-	1	PLATE, front closure, lower section
32	035190	-	8	CAPSCREW, 1/2"NC x 1-1/2"
	904208	-	8	LOCKWASHER, 1/2"
	064531	-	8	WASHER, plain



HOOD

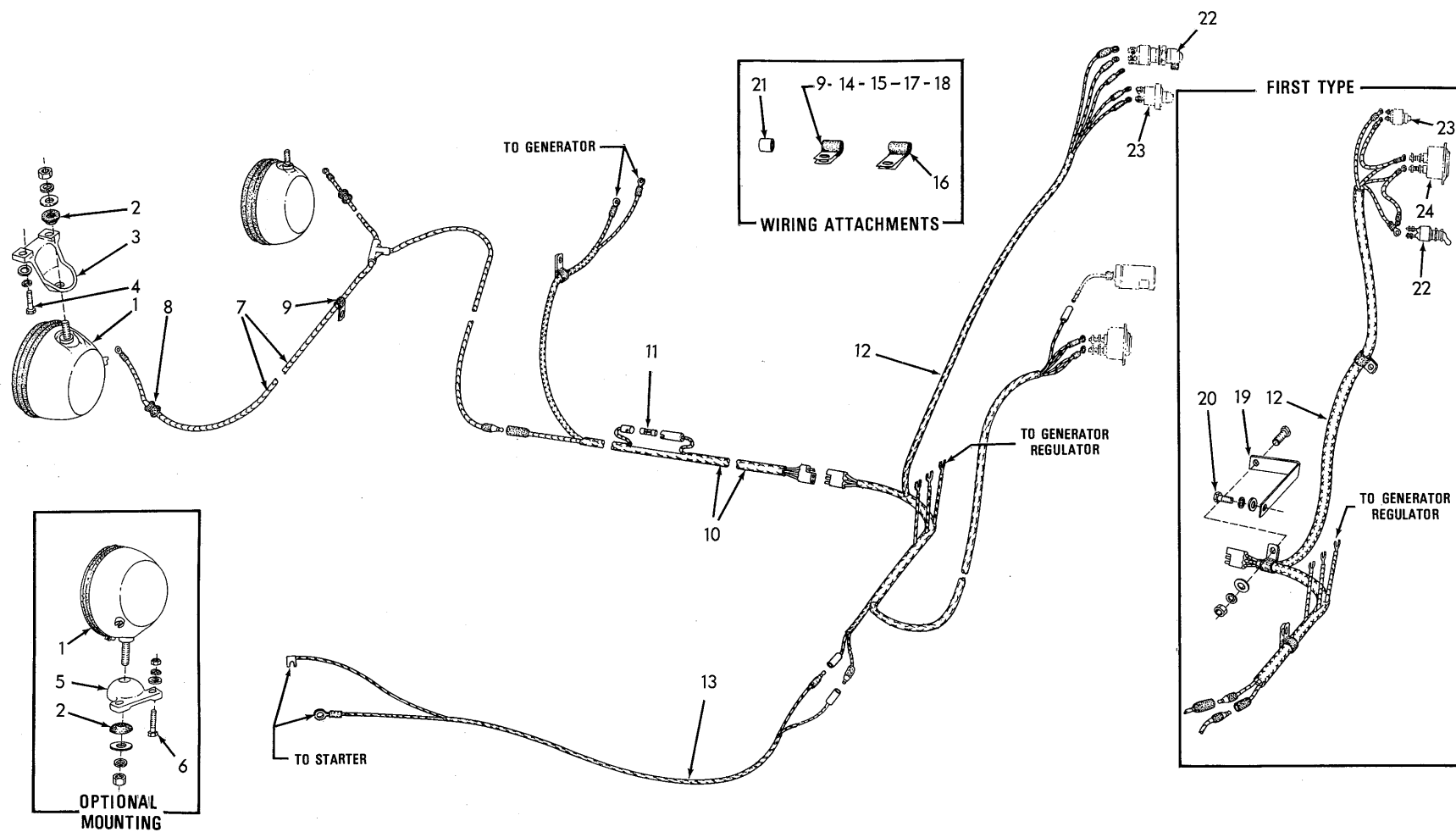
T-74920

USAGE: Tractors serial No. 13368 and up

* HD11E with turbocharger
 ** HD11E without turbocharger
 Δ HD11AG

ITEM	PART NO.	QUANTITY			DESCRIPTION
		*	**	Δ	
1	657884	1	-	-	HOOD, engine
	657882	-	1	-	HOOD, engine
	666502	-	-	1	HOOD, engine
	660583	1	-	-	HOOD, engine
	660581	-	1	-	HOOD, engine
	666556	-	-	1	HOOD, engine
	659304	1	-	-	HOOD, engine (Units with standard dry-type air cleaner and optional light-duty radiator shell)
	660250	1	-	1	HOOD, engine
	660251	-	1	-	HOOD, engine
	663319	1	-	1	HOOD, engine (Units with optional oil-bath air cleaner and light-duty radiator shell)
2	624416	5	5	5	CLIP, hood retaining
3	648294	5	5	5	CAPSCREW, Nylok, 1/2"NC x 1"
4	624426	2	2	2	FASTENER ASSEMBLY, hold-down (Includes item 6)
5	013058	8	8	8	CAPSCREW, 3/8"NC x 1-1/4"(wrap-around radiator guard)
	036032	8	8	8	CAPSCREW, 3/8"NF x 3/4"(light-duty radiator shell)
	904206	8	8	8	LOCKWASHER, 3/8"
6	033060	2	2	2	FASTENER
	900764	6	6	6	RIVET, fl-hd., 3/16" x 1/2"

NOTE: See PAINTING AND MARKING for transfers applied to hood



LIGHTS AND WIRING

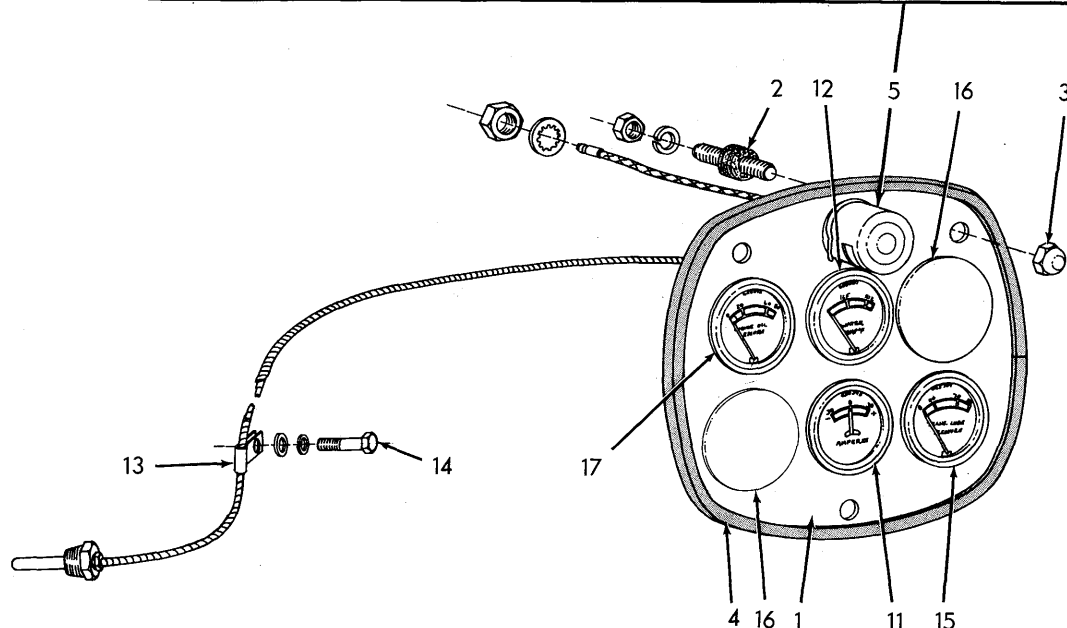
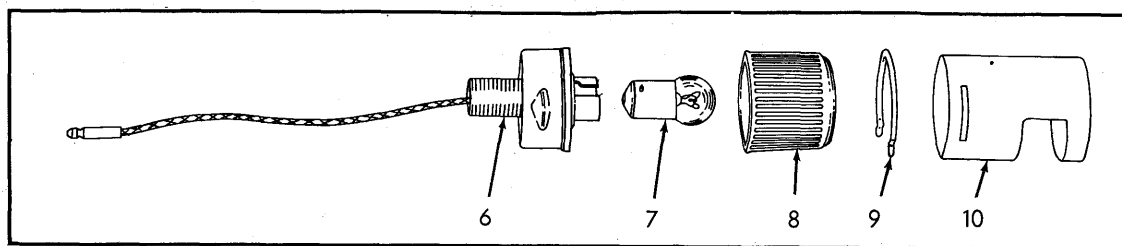
* Tractors with wrap-around radiator guard } Prior to se-
 ** Tractors with light-duty radiator shell } rial #13368
 Δ Tractors with wrap-around radiator guard } Serial #13368
 ΔΔ Tractors with light-duty radiator shell } and up

ITEM	PART NO.	QUANTITY				DESCRIPTION
		*	**	Δ	ΔΔ	
1	638283	2	2	2	2	#LIGHT ASSEMBLY, head (See page 211 for parts)
	900818	2	2	2	2	#WASHER, plain, U.S. std., 1/2"
	904208	2	2	2	2	#LOCKWASHER, 1/2"
	911043	2	2	2	2	#NUT, 1/2"NF
2	075535	2	2	2	2	#WASHER, head light mounting
3	093195	2	2	-	-	#BRACKET, head light mounting
4	035336	4	4	-	-	#CAPSCREW, 3/8"NF x 1-3/4"(For inside mounting)
	053616	4	4	-	-	#CAPSCREW, 3/8"NC x 1-3/4"(For outside mounting)
	904206	4	4	-	-	#LOCKWASHER, 3/8"
	044973	4	4	-	-	#WASHER, plain
5	075429	-	-	2	2	#BRACKET, head light mounting
6	203188	-	-	4	4	#CAPSCREW, 3/8"NF x 1-1/2"
	044973	-	-	4	4	#WASHER, plain
	904206	-	-	4	4	#LOCKWASHER, 3/8"
	911041	-	-	4	4	#NUT, 3/8"NF
7	649733	1	1	-	-	#CABLE, head light to main wiring harness
	656292	-	-	1	1	#CABLE, head light to main wiring harness
8	044810	2	2	-	-	#GROMMET, head light cable (Used only when lights are mounted on top of radiator guard)
9	640677	10	10	7	7	#CLIP, head light cable (1/4" diam., 13/32" bolt-hole)
	035979	5	5	3	3	#CAPSCREW, 3/8"NF x 5/8"
	916268	1	1	4	4	#CAPSCREW, 3/8"NC x 5/8"
	904206	6	6	7	7	#LOCKWASHER, 3/8"
	911115	-	-	7	7	#WASHER, plain, SAE std., 3/8"
10	649740	1	1	1	1	HARNESS ASSEMBLY, wiring, front section (Includes item 11)
11	208960	1	1	1	1	FUSE, cartridge type, 1/4" x 1-1/4", 20 amperes
12	649742	1	-	1	-	HARNESS, wiring, rear section
	658789	-	1	-	1	HARNESS, wiring, rear section
13	649739	1	1	1	1	HARNESS, wiring, starter control
14	640675	4	3	4	3	CLIP, wiring harness (3/8" diam., 17/32" bolt-hole)
	035718	1	1	1	1	CAPSCREW, 1/2"NC x 3/4"
	904208	1	1	1	1	LOCKWASHER, 1/2"
	036034	1	-	1	-	CAPSCREW, 3/8"NF x 1"
	911115	1	-	1	-	WASHER, plain, SAE std., 3/8"
	904206	1	-	1	-	LOCKWASHER, 3/8"
	911041	1	-	1	-	NUT, 3/8"NF
15	094527	2	-	2	-	CLIP, rear wiring harness (1/2" diam., 13/32" bolt-hole)
	035439	1	-	1	-	CAPSCREW, 3/8"NC x 1"
	904206	1	-	1	-	LOCKWASHER, 3/8"
	911115	1	-	1	-	WASHER, plain, SAE std., 3/8"

#Special equipment
 (Continued)

LIGHTS AND WIRING (Continued)

ITEM	PART NO.	QUANTITY				DESCRIPTION
		*	**	Δ	ΔΔ	
16	622161	-	1	-	1	CLIP, wiring harness (1/2" diam., 13/32" bolt-hole, long type)
	035244	-	1	-	1	CAPSCREW, 3/8"NC x 3/4"
	904206	-	1	-	1	LOCKWASHER, 3/4"
	911115	-	1	-	1	WASHER, plain, SAE std., 3/8"
17	640677	3	1	3	1	CLIP, wiring harness (1/4" diam., 13/32" bolt-hole)
	036032	1	-	1	-	CAPSCREW, 3/8"NF x 3/4"
	035439	1	-	1	-	CAPSCREW, 3/8"NC x 1"
	904206	2	-	2	-	LOCKWASHER, 3/8"
	911115	1	-	1	-	WASHER, plain, SAE std., 3/8"
18	069314	2	4	2	4	CLIP, wiring harness (3/8" diam., 13/32" bolt-hole)
	035244	-	2	-	2	CAPSCREW, 3/8"NC x 3/4"
	035439	-	1	-	1	CAPSCREW, 3/8"NC x 1"
	070960	-	1	-	1	CAPSCREW, 3/8"NC x 1-1/2"
	904206	-	4	-	4	LOCKWASHER, 3/8"
	911115	-	4	-	4	WASHER, plain, SAE std., 3/8"
19	649493	1	-	1	-	ANGLE, harness supporting
20	035439	1	-	1	-	CAPSCREW, 3/8"NC x 1"
	904206	1	-	1	-	LOCKWASHER, 3/8"
	911115	1	-	1	-	WASHER, plain, SAE std., 3/8"
21	044721	-	1	-	1	SPACER, wiring harness clip
22	651630	1	1	1	1	SWITCH (Includes mounting nuts)
23	-----	1	1	1	1	SWITCH, push-button (See STARTER)
24	-----	1	1	1	1	AMMETER (See INSTRUMENTS)



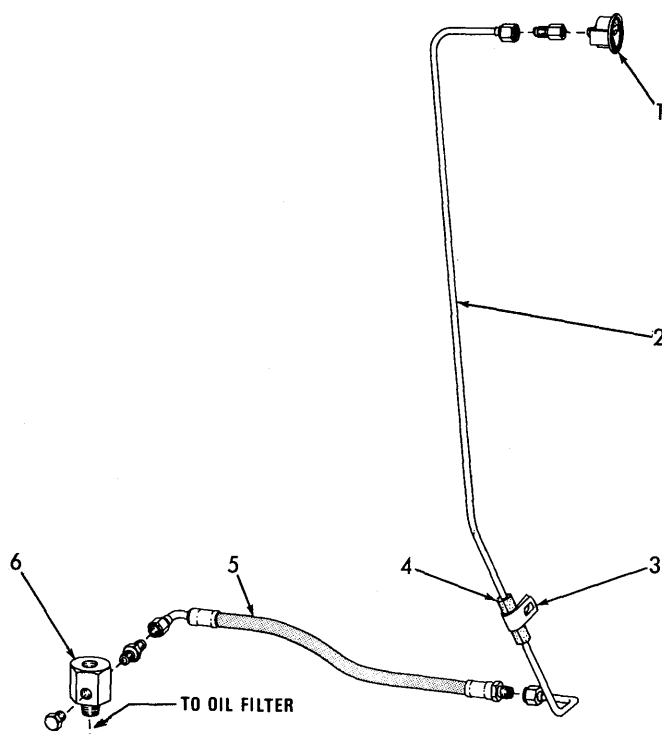
INSTRUMENTS

T-74943

INSTRUMENTS

USAGE: Tractors serial No. 13368 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	656905	1	PLATE, instrument mounting
2	642746	3	CUSHION, instrument mounting plate
	904206	3	LOCKWASHER, 3/8"
	911041	3	NUT, 3/8"NF
3	924950	3	NUT, instrument mounting plate
4	656923	1	SEAL, weather, instrument mounting plate
5	658641	1	LIGHT ASSEMBLY, instrument panel (Consists of items 6 thru 10)
	911049	1	NUT, jam, 5/8"NF
	910334	1	LOCKWASHER, int-tooth, 5/8"
6	-----	1	BASE ASSEMBLY (Not serviced separately)
7	074452	1	BULB, instrument light (single contact, 6 C. P., 24 volts)
8	095267	1	LENS, instrument light
9	095265	1	SPRING, retaining, instrument light cover
10	659002	1	COVER, instrument light
11	658348	1	AMMETER (Includes mounting clamp)
12	658397	1	GAUGE, engine temperature (Includes mounting clamp)
13	639388	1	CLIP, temperature gauge tube
14	047478	1	CAPSCREW, 1/4"NC x 5/8"
	904204	1	LOCKWASHER, 1/4"
	911114	1	WASHER, plain, SAE std., 1/4"
15	-----	1	GAUGE, transmission oil pressure (See page 49)
16	921193	2	PLUG, button, cd-pltd., 2-3/32" diam.
17	-----	1	GAUGE, engine oil pressure (See page 48)

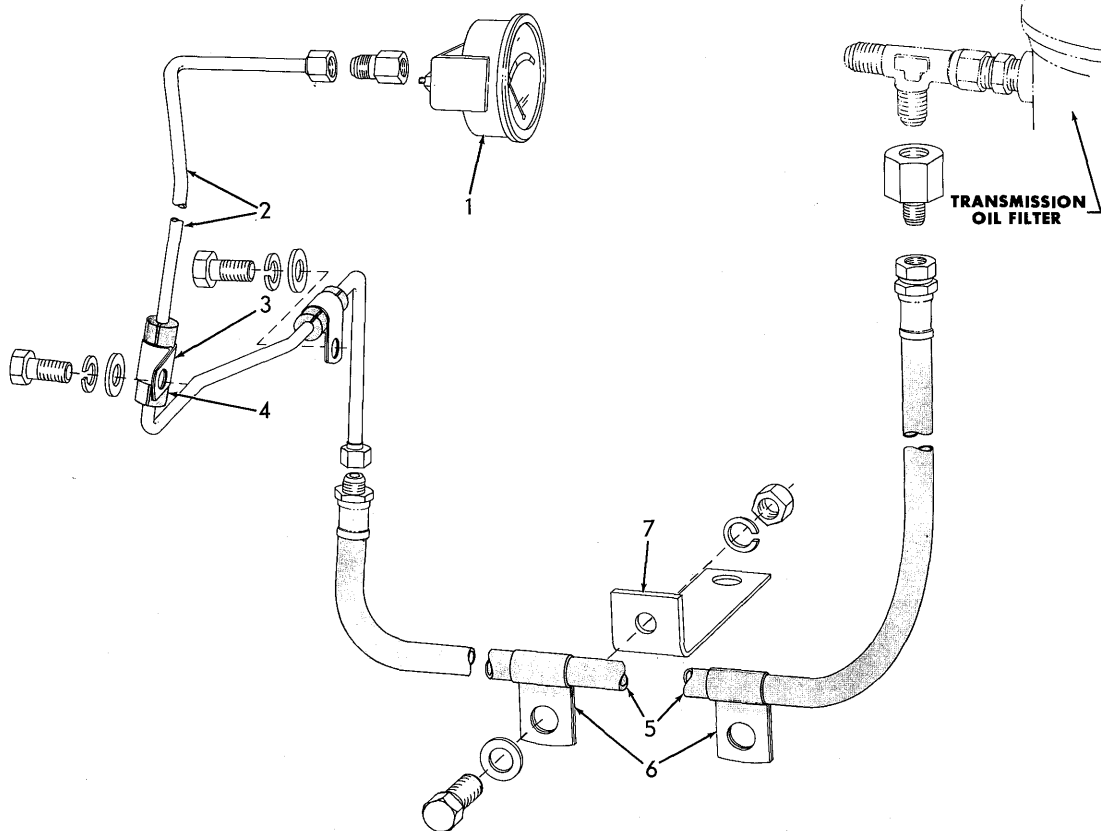


ENGINE OIL PRESSURE GAUGE

T-74944

USAGE: Tractors serial No. 13368 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	658293	1	GAUGE (Includes mounting clamp)
2	657835	1	TUBE ASSEMBLY (Includes nuts)
	919174	1	CONNECTOR, flare type, 1/4" tube, 1/8" NPT female
3	047381	1	CLIP, tube supporting
4	093972	1	BOOT, tube protecting (rubber)
5	659895	1	HOSE (See HOSE PARTS)
	919140	1	CONNECTOR, flare type, 1/4" tube, 1/4"NPT male
6	4339606	1	ADAPTOR, oil pressure gauge line
	919840	1	PLUG, pipe, hex-hd., 1/4"NPT (Not used if Hour Meter installed)

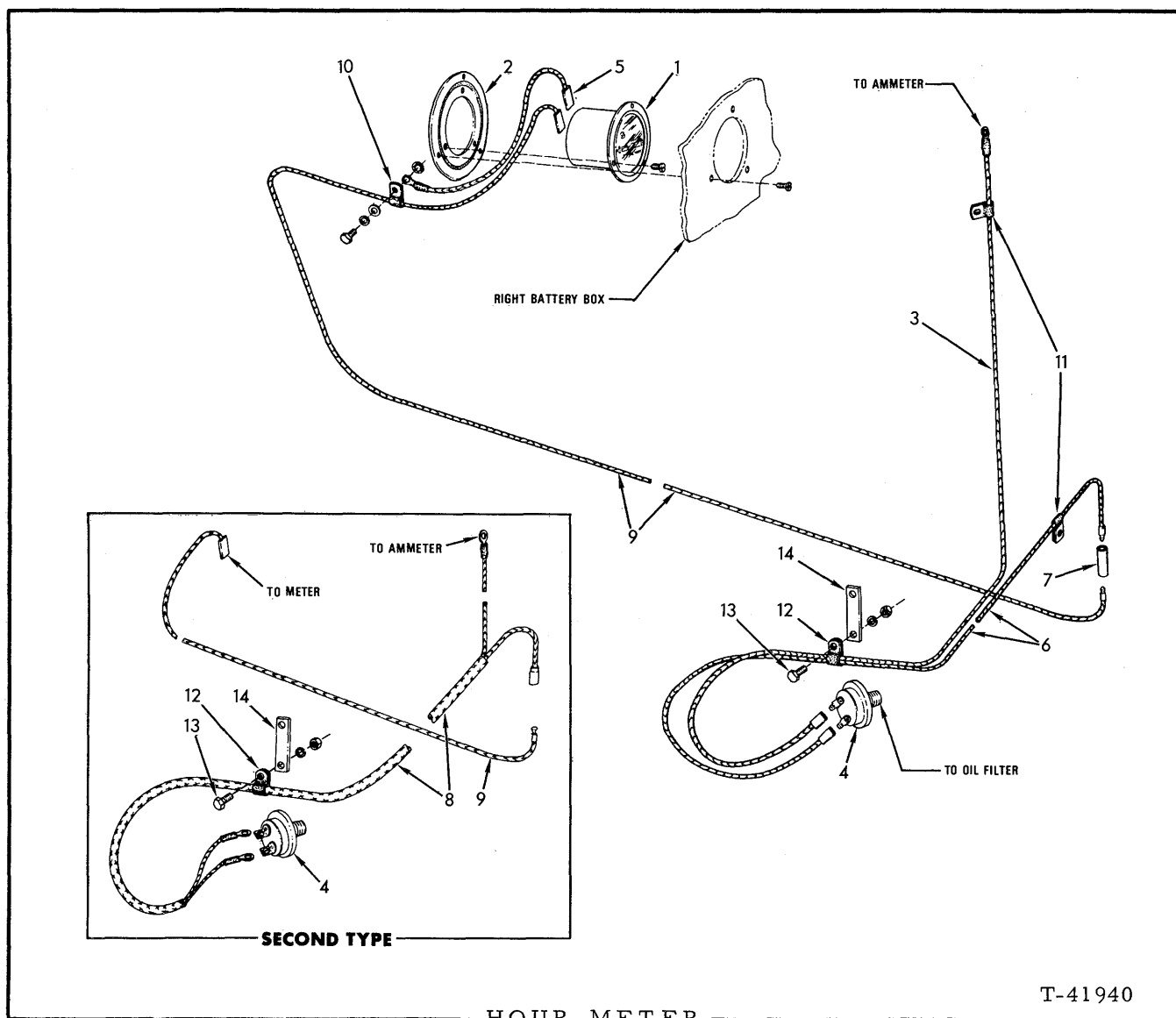


TRANSMISSION OIL PRESSURE GAUGE

T-74932

USAGE: Tractors serial No.13368 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	658151	1	GAUGE (Includes mounting clamp)
2	657836	1	TUBE ASSEMBLY (Includes nuts)
	919174	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT female
3	047381	2	CLIP, tube supporting (5/8" diam.)
	035244	2	CAPSCREW, 3/8"NC x 3/4"
	904206	2	LOCKWASHER, 3/8"
	911115	2	WASHER, plain, SAE std., 3/8"
4	093972	2	BOOT, tube protecting (rubber)
5	642145	1	HOSE (See HOSE PARTS)
	923102	1	REDUCER, flare type, 1/2" tube to 1/4" tube
6	644006	2	CLIP, hose supporting (9/16" diam.)
	035167	1	CAPSCREW, 3/8"NF x 7/8"
	911115	1	WASHER, plain, SAE std., 3/8"
	904206	1	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8"NF
7	637658	1	ANGLE, hose supporting



USAGE: Special equipment

* Tractors prior to serial No. 13368
 ** Tractors serial No. 13368 and up

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	650299	1	1	METER, hour (24 volt)
	918210	3	3	SCREW ASSEMBLY, #6 x 1/2" (Includes lockwasher)

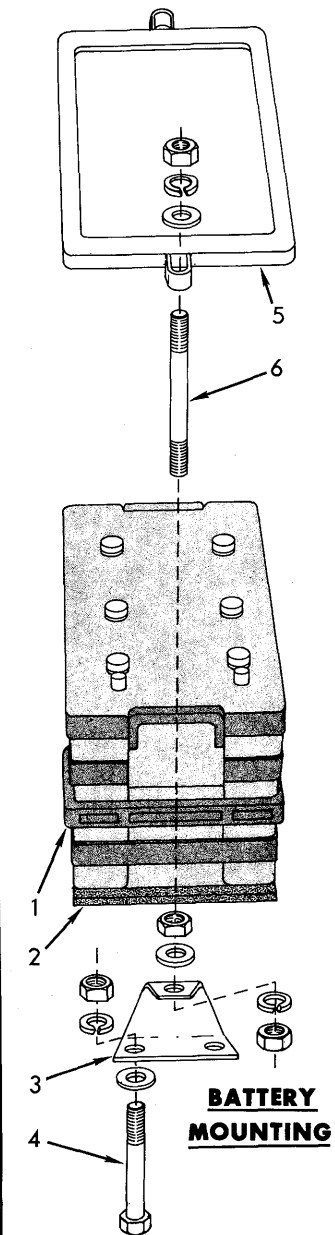
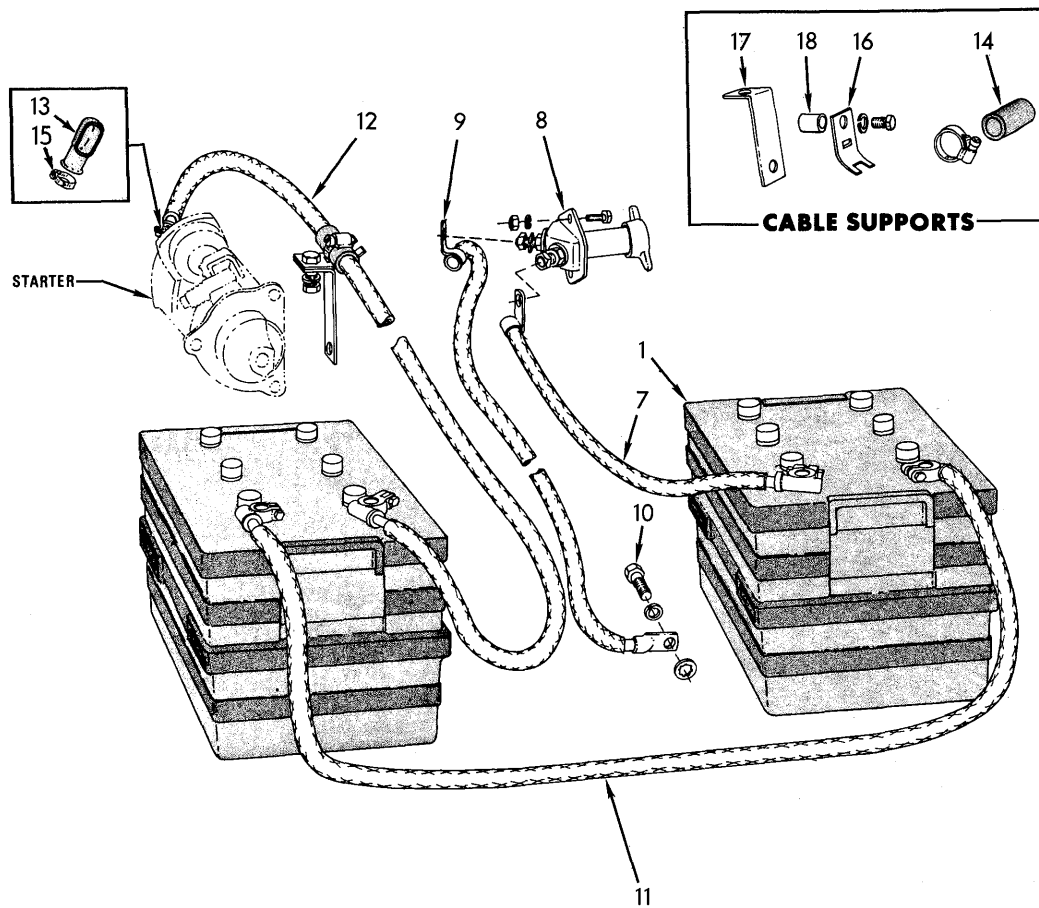
NOTE: Meter carries manufacturer's warranty and in case of failure should not be returned to Allis-Chalmers. Return "Hobbs" meter to nearest "Stewart-Warner" agency. Return "Hamilton" meter to Hamilton Watch Company, Industrial Products Division, Lancaster, Pa.

2	066467	1	1	DAMPER, vibration
	918210	3	3	SCREW ASSEMBLY, #6 x 1/2" (Includes lockwasher)
3	638942	1	-	CABLE, pressure switch to ammeter (50" long)

(Continued)

HOOR METER (Continued)

ITEM	PART NO.	QTY. * **	DESCRIPTION
4	640727	1 -	SWITCH, pressure (spade terminals)
	660694	- 1	SWITCH, pressure (screw terminals)
5	630917	1 1	CABLE, meter to ground (8" long)
	909367	1 1	LOCKWASHER, int-tooth, 1/4"
6	641214	1 -	CABLE, pressure switch to connector (42" long)
7	048142	1 -	CONNECTOR, meter cable
8	660693	- 1	WIRING HARNESS, pressure switch (2 cables)
9	640706	1 1	CABLE, meter connecting (115" long)
10	640707	2 2	CLIP, hour meter cable (1/8" diam., 9/32" bolt-hole)
	047478	2 2	CAPSCREW, 1/4"NC x 5/8"
	904204	2 2	LOCKWASHER, 1/4"
	911114	2 2	WASHER, plain, SAE std., 1/4"
11	639388	3 2	CLIP, cable (1/8" diam., 13/32" bolt-hole)
12	640676	2 3	CLIP, cable (5/16" diam., 13/32" bolt-hole)
13	035979	1 1	CAPSCREW, 3/8"NF x 5/8"
	904206	1 1	LOCKWASHER, 3/8"
	911041	1 1	NUT, 3/8"NF
14	644162	1 1	STRAP, clip supporting



BATTERIES AND CABLES (Second type)

BATTERIES AND CABLES

USAGE: Tractors serial No. 13368 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	248922	2	BATTERY, storage, 12 volts, dry-charged (Each requires 14 qts. electrolyte)
1A	243526	1	ELECTROLYTE ("Z" pack-6.1 quarts)
	243527	1	ELECTROLYTE ("F" pack-5 gallons)
1B	243528	1	HOSE, electrolyte dispensing (For use with 5-gal. pack)
2	085680	2	PAD, battery bottom
3	662745	4	BRACKET, hold-down bolt
	916317	4	CAPSCREW, 1/2"NC x 2-3/4" (right side)
	916323	4	CAPSCREW, 1/2"NC x 5-1/2" (left side)
4	904208	8	LOCKWASHER, 1/2"
	911028	8	NUT, 1/2"NC
	064531	8	WASHER, plain
			Not used with special reinforced Rear Fenders
5	662760	2	HOLD-DOWN,battery
6	619814	4	ROD, hold-down
	904208	8	LOCKWASHER, 1/2"
	911043	12	NUT, 1/2"NF
	064531	8	WASHER, plain
7	646852	1	CABLE, battery to master switch (14" long)
8	096908	1	SWITCH ASSEMBLY, master (Serviced only as a unit)
	915406	2	CAPSCREW, 1/4"NC x 3/4"
	904204	2	LOCKWASHER, 1/4"
	911024	2	NUT, 1/4"NC
9	658323	1	CABLE, master switch to ground (53" long)
10	036034	1	CAPSCREW, 3/8"NF x 1"
	904206	1	LOCKWASHER, regular, 3/8"
	906960	1	LOCKWASHER, int-tooth, 3/8"
11	658339	1	CABLE, battery connecting (59-1/2" long)
12	657743	1	CABLE, battery to starter (102" long)
13	076572	1	BOOT, protecting, starter to terminal
14	076469	12	BOOT, cable protecting
15	921912	13	CLAMP, cable boot
16	633653	8	CLIP, cable supporting
	036032	1	CAPSCREW, 3/8"NF x 3/4"
	035244	3	CAPSCREW, 3/8"NC x 3/4"
	035439	2	CAPSCREW, 3/8"NC x 1"
	013059	1	CAPSCREW, 3/8"NC x 2"
	904206	7	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8"NF
17	637658	1	ANGLE, cable supporting
18	619331	1	BLOCK, clip spacing

Not illustrated

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ADDITIONAL PUBLICATIONS AVAILABLE
 MODELS HD-11E, HD-11AG
 Tractor Serial Number 12201 and up
 Tractor Serial Number 29C14651 and up
 Tractor Serial Number 17L14651 and up

DESCRIPTION

	ENGLISH	ESPAÑOL (Spanish)	FORM NO. PORTUGUES (Portuguese)	FRANÇAIS (French)
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<u>PARTS CATALOGS</u>				
Model HD-11E, AG	0651802-1		0659082-2	
Injection Pump	0685399-8			
Dozer	0669316-2			
Independent Hydraulic System	0646888-8			
Ripper				
TR-11	0647078-5			
11R	0657920-5			
Cable Control Unit				
75	0626048-3			
F100	0626163-0			

<u>OPERATOR'S MANUAL</u>				
HD-11E, AG.	0651801-3	0662869-7	0662870-5	0662871-3

<u>SERVICE MANUALS</u>				
Engine (10000 & 11000)	0645121-5	0650410-4	0650411-2	0650412-0
Turbocharger				
TO-6	0677064-8	0678570-3	0679482-0	0678727-9
TO-4	0673643-3	0679633-8	0679634-6	0679635-3
Injection Pump (Roosa)	0656820-8			
Engine Clutch	0649317-5	0657929-6	0657930-4	0657931-2
Transmission, Bevel Gear, Drive				
Shaft U-Joint	0649913-1	0656630-1	0656631-9	0656632-7
Steering Clutches and Brakes. . . .	0654795-4	0659067-3	0659068-1	0659069-9
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NOTICE

CONSULT ALLIS-CHALMERS CONSTRUCTION MACHINERY
 DEALER FOR PUBLICATIONS.

SEE CONSTRUCTION MACHINERY TECHNICAL PUBLICATIONS
 INDEX (FORM 0658800-8) FOR ALL AVAILABLE PUBLICATIONS.

PUBLICATIONS INDEX (FORM 0658800-8) IS AVAILABLE FREE
 FROM YOUR DEALER.

IMPORTANT

The terms "right" and "left" used throughout this parts list are determined by facing the direction of forward travel.

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."

INSTRUCTIONS FOR ORDERING PARTS

ALWAYS GIVE THE MODEL AND ENGINE SERIAL NUMBER.

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.

Order parts from the dealer covering the local territory.

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.

MODEL IDENTIFICATION

MODEL SYMBOL	ENGINE MODEL	DESCRIPTION
HD11E	10000	Crawler Tractor with wrap-around radiator guard, fixed drawbar, narrow front bumper, powered with a non-turbocharged diesel engine.
HD11E	11000	Crawler Tractor with wrap-around radiator guard, fixed drawbar, narrow front bumper, powered with a turbo-charged diesel engine.
HD11AG	11000	Crawler Tractor with light-duty radiator guard, swing drawbar, wide front bumper, powered with a turbo-charged diesel engine.

RECORD YOUR SERIAL NUMBERS BELOW

TRACTOR SERIAL NO. _____

ENGINE SERIAL NO. _____

SERIAL NUMBER LOCATION

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

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

MODEL SERIAL NUMBER

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

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

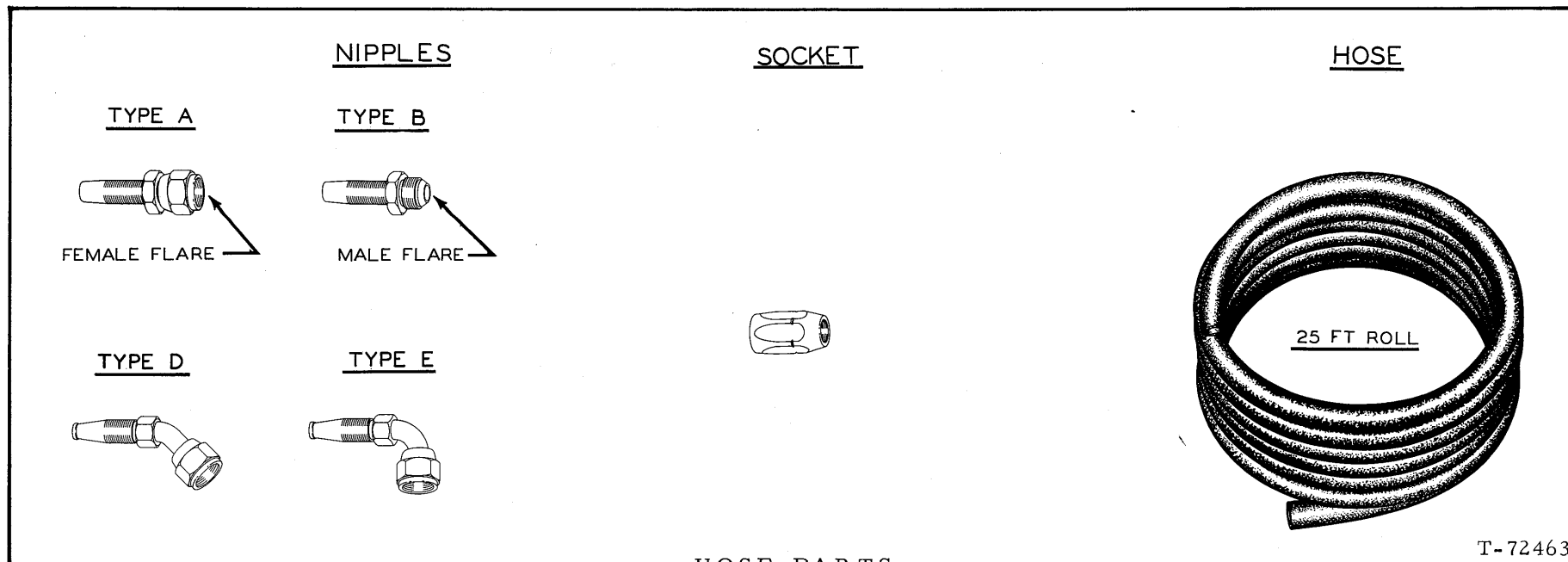
TRACTOR MODEL	*SERIAL NO.	
	PRODUCT CODE	UNIT NO.
HD-11E	2 9 C	1 4 6 5 1
HD-11AG	1 7 L	1 4 6 5 1

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T-72463

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	
4357430	920388	12-3/4		920806	A		920806	A				
4376906	919196	16-3/8	920847	920301	A	920862	919194	E	919143			
	919156	23-7/8	920858	919080	B	920865	919081	E	919076			638706
	919155	91-3/8	920849	920302	A	920864	919082	E	919075			639411
	919155	93-1/4	920864	919082	E	920864	919082	E	919075			639412
	919156	36-1/2	920850	920303	A	920865	919081	E	919076			639414
	919218	6-3/4	920850	920303	A	920880	919254	D	919076			641125
	919196	30-7/8	920855	919144	B	920862	919194	E	919143			641649
	919196	50	920847	920301	A	920855	919144	B	919143			642145

PACKAGED PARTS

PACKAGE NUMBER

DESCRIPTION

BLOCK KIT, engine clutch camshaft (See page 101)

4338735

GASKET KIT, cylinder head

4	4252796	O-RING, water manifold tube
4	4254294	O-RING, water by-pass tube (Discard. Not used)
2	4336148	GASKET, rocker cover
4	4336182	GASKET, water manifold
1	4336263	GASKET, thermostat housing
1	4336266	GASKET, water elbow (Discard. Not used)
2	4337764	GASKET, valve lifter cover
6	4338511	GASKET, exhaust manifold
6	4346138	GASKET, intake manifold
2	4348133	GASKET, breather tube
1	4354294	GASKET, front cylinder head
1	4354295	GASKET, rear cylinder head
6	4378031	GASKET, injection nozzle

4354932

GASKET KIT, intermediate, cylinder block

2	035249	GASKET, oil drain plug
2	923376	O-RING, flywheel housing dowel
1	923820	O-RING, fan drive
1	4254182	O-RING, flywheel to crankshaft
1	4255152	O-RING, injection pump mounting cover
1	4335056	GASKET, water pump volute
1	4336676	GASKET, timing hole cover
1	4336897	RING, sealing, flywheel housing to crankcase
1	4339150	GASKET, filter head to block
1	4339151	GASKET, oil cooler to block
1	4346169	GASKET, oil pipe
2	4346441	GASKET, oil pipe
1	4346456	GASKET, water inlet pipe
1	4346744	GASKET, water pump
1	4347031	GASKET, water by-pass flange
1	4348136	GASKET, timing gear housing
1	4348184	GASKET, filter head to block
1	4348185	GASKET, oil cooler water inlet
2	4348215	GASKET, oil pipe
1	4348218	GASKET, oil pipe
1	4354163	GASKET, timing gear cover
1	4354415	GASKET (Discard. Not for HD11)
1	4362458	GASKET, oil pump cover
2	4373069	GASKET, oil pan cover

GASKET KIT, turbocharger mounting (See TURBOCHARGER)

4337975

PISTON AND SLEEVE KIT

2	4255465	RETAINER, piston pin
1	4336512	PISTON
1	4336578	RING SET, piston
1	4337395	PIN, piston
2	4337972	O-RING, cylinder sleeve
1	4338648	SLEEVE, cylinder

RING SET, piston (See PISTON AND CONNECTING ROD)

SEAL KITS, final drive (See pages 141 and 143)

SEAL KIT, track wheel (See page 175)

SEAL KIT, track idler (See page 179)

SEAL KIT, track supporting roller (See page 177)

TRANSFER KIT (See PAINTING AND MARKING)

MEMO

CONVERSION TABLES

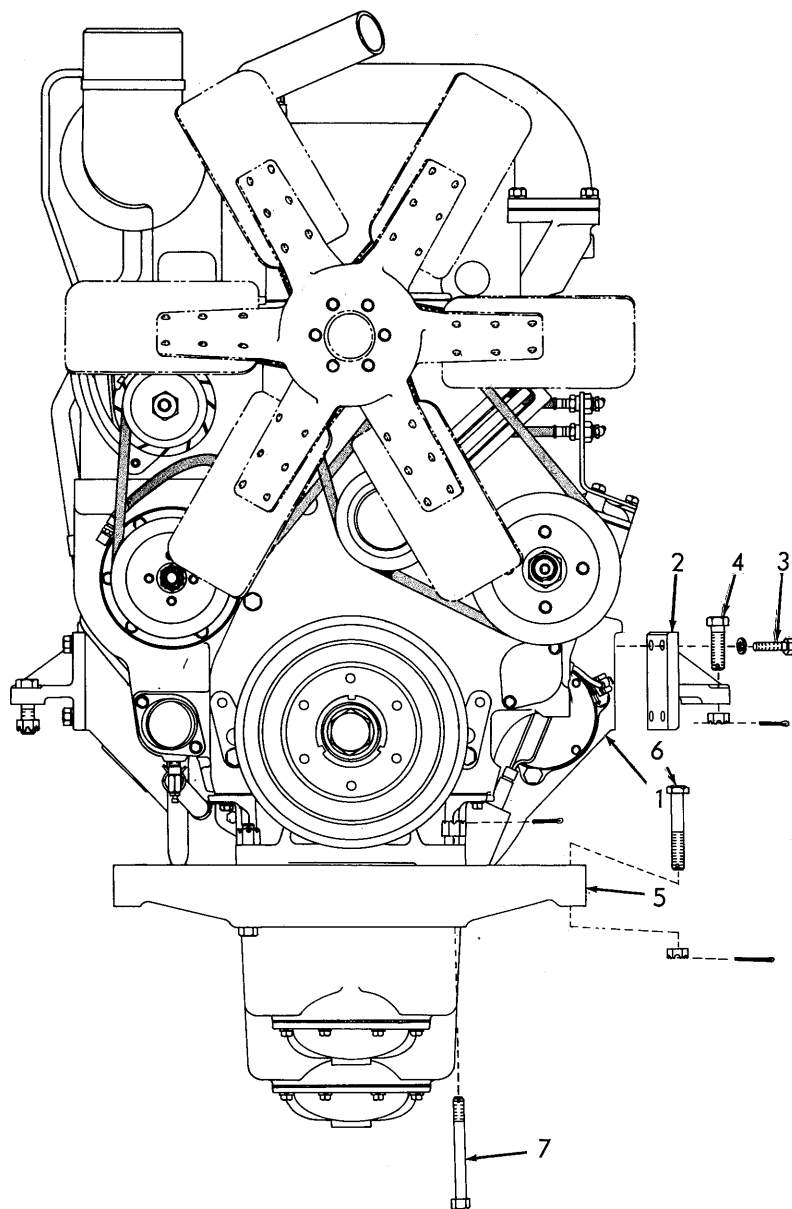
DECIMAL AND METRIC EQUIVALENTS OF FRACTIONS OF AN INCH

Inches			Inches		
Fractions	Decimals	Milli-meters	Fractions	Decimals	Milli-meters
1/64	.015625	.397	33/64	.515625	13.097
1/32	.03125	.794	17/32	.53125	13.494
3/64	.046875	1.191	35/64	.546875	13.891
1/16	.0625	1.588	9/16	.5625	14.288
5/64	.078125	1.984	37/64	.578125	14.684
3/32	.09375	2.381	19/32	.59375	15.081
7/64	.109375	2.778	39/64	.609375	15.478
1/8	.125	3.175	5/8	.625	15.875
9/64	.140625	3.572	41/64	.640625	16.272
5/32	.15625	3.969	21/32	.65625	16.669
11/64	.171875	4.366	43/64	.671875	17.066
3/16	.1875	4.763	11/16	.6875	17.463
13/64	.203125	5.159	45/64	.703125	17.859
7/32	.21875	5.556	23/32	.71875	18.256
15/64	.234375	5.953	47/64	.734375	18.653
1/4	.250	6.350	3/4	.750	19.050
17/64	.265625	6.747	49/64	.765625	19.447
9/32	.28125	7.144	25/32	.78125	19.844
19/64	.296875	7.541	51/64	.796875	20.241
5/16	.3125	7.938	13/16	.8125	20.638
21/64	.328125	8.334	53/64	.828125	21.034
11/32	.34375	8.731	27/32	.84375	21.431
23/64	.359375	9.128	55/64	.859375	21.828
3/8	.375	9.525	7/8	.875	22.225
25/64	.390625	9.922	57/64	.890625	22.622
13/32	.40625	10.319	29/32	.90625	23.019
27/64	.421875	10.716	59/64	.921875	23.416
7/16	.4375	11.113	15/16	.9375	23.813
29/64	.453125	11.509	61/64	.953125	24.209
15/32	.46875	11.906	31/32	.96875	24.606
31/64	.484375	12.303	63/64	.984375	25.003
1/2	.500	12.700	1	1.000	25.400

VOLUME AND WEIGHT CONVERSION CONSTANTS — U.S. TO METRIC

Pints x .4732 = Liters
 Quarts x .9463 = Liters
 Gallons x 3.7853 = Liters
 Pounds x .4536 = Kilograms

MEMO



ENGINE AND MOUNTING

T-72370

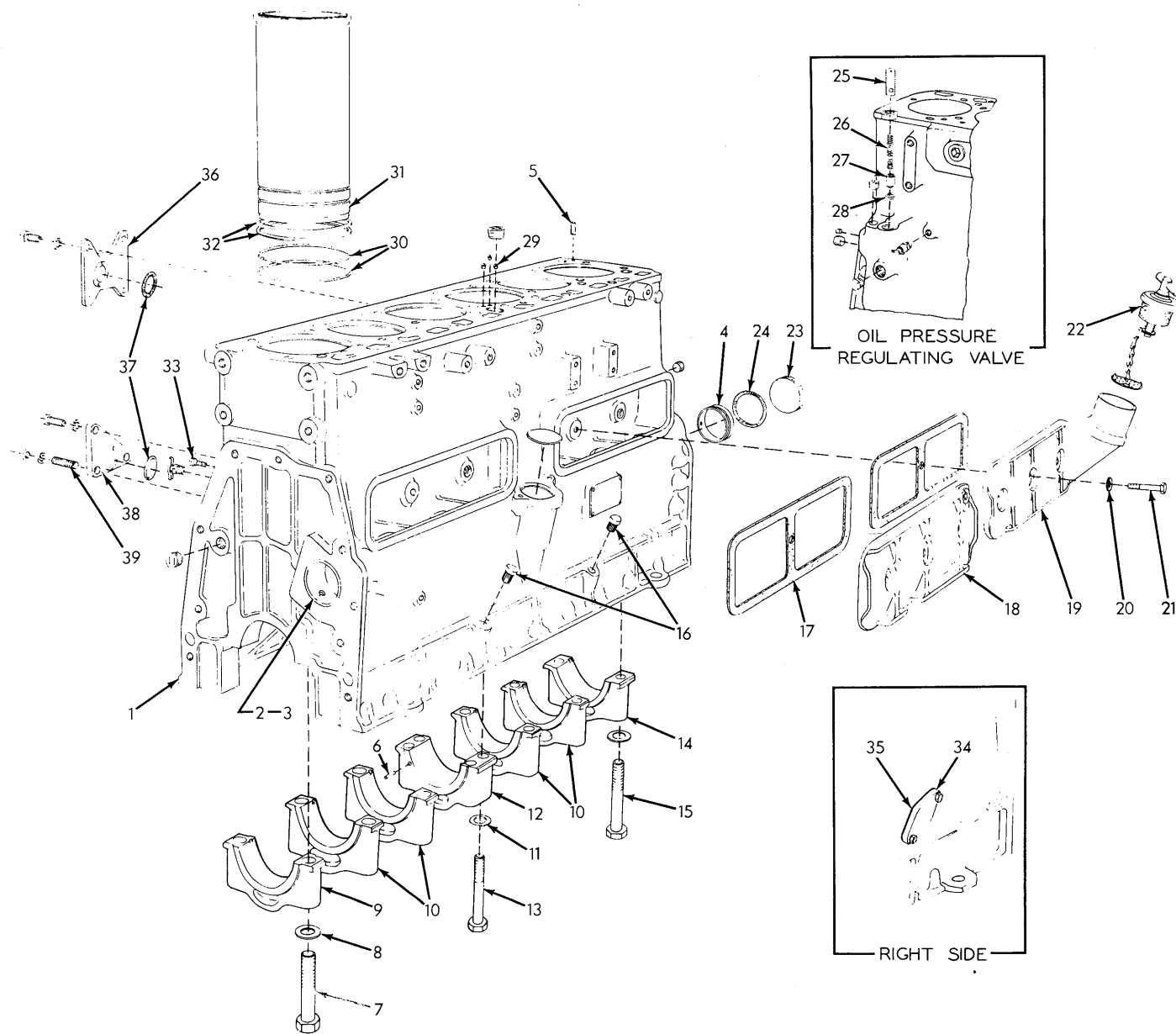
ITEM PART NO. QTY. DESCRIPTION

1	4354354	1	ENGINE ASSEMBLY (turbocharged)(Includes turbocharger, generator, oil and fuel filters but does not include air cleaner, fan, starter or the 1st stage fuel filter element. This element must be added if tractor is not equipped with special Heavy-duty Fuel Filter)
	4354344	1	ENGINE ASSEMBLY (not turbocharged)(Includes, generator, oil and fuel filters but does not include air cleaner, fan, starter or the 1st stage fuel filter element. This element must be added if tractor is not equipped with special Heavy-duty Fuel Filter)

(Continued)

ENGINE AND MOUNTING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
2	084493	2	BRACKET, engine supporting, rear
3	035190	8	CAPSCREW, 1/2"NC x 1-1/2"
	904208	8	LOCKWASHER, 1/2"
4	638907	4	CAPSCREW, rear mounting
	912840	4	NUT, slotted, 5/8"NF
	900806	4	PIN, cotter, 1/8" x 1"
5	642562	1	SUPPORT, front
6	642563	2	CAPSCREW, (to frame)
	913280	2	NUT, high, slotted, 5/8"NF
	900806	2	PIN, cotter, 1/8" x 1"
7	091984	2	CAPSCREW, front mounting
	913280	2	NUT, high, slotted, 5/8"NF
	900806	2	PIN, cotter, 1/8" x 1"



CYLINDER BLOCK

T-41944

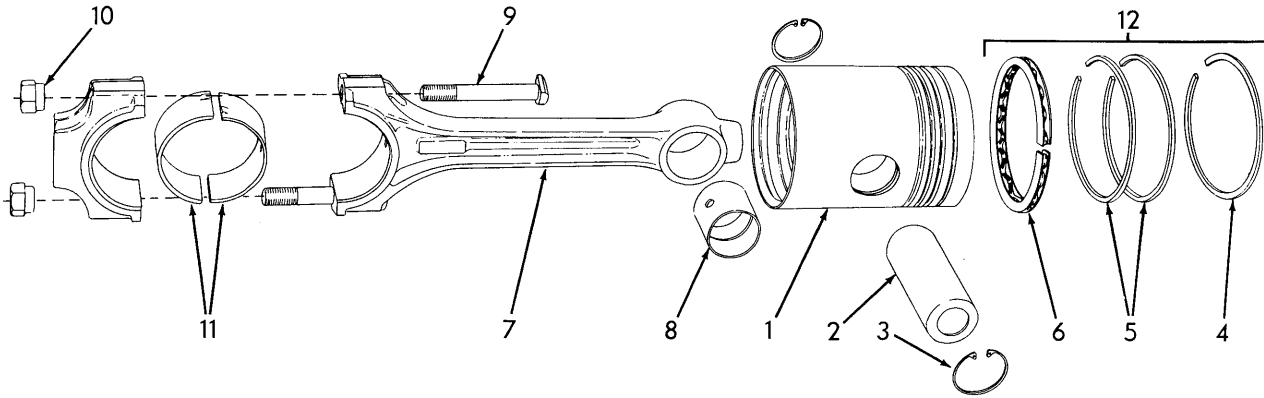
CYLINDER BLOCK

ITEM	PART NO.	QTY.	DESCRIPTION
1	4338151	1	BLOCK ASSEMBLY (Includes items 2 thru 16, 28, 29, 33 thru 39 and hardware indented below)
	910017	1	PLUG, expansion, 2-3/8" diam.
	919134	4	PLUG, pipe, hex-hd., 1/8"NPT
	920333	2	PLUG, pipe, hex-hd., 3/8"NPT
	917970	2	PLUG, pipe, hex-socket, 1/2"NPT
	920416	1	PLUG, pipe, hex-hd., 1/2"NPT
	918851	1	PLUG, pipe, hex-socket, 3/4"NPT
	918888	1	PLUG, pipe, hex-socket, 1"NPT
	901666	1	PLUG, pipe, ctsk-hd., 1"NPT (Used in service replacement block only)
	912415	2	COCK, drain, 1/4"NPT
2	{ 4346100	1	BEARING, camshaft, front (standard size)
	{ 4347416	1	BEARING, camshaft, front (.010" undersize)
3	{ 4346099	2	BEARING, camshaft, intermediate (standard size)
	{ 4347419	2	BEARING, camshaft, intermediate (.010" undersize)
4	{ 4346108	1	BEARING, camshaft, rear (standard size)
	{ 4347413	1	BEARING, camshaft, rear (.010" undersize)
5	4336432	4	PIN, dowel, cylinder head
6	-----	4	PIN, dowel, crankshaft thrust flange (See CRANKSHAFT)
7	4339037	2	CAPSCREW, front main bearing cap (3/4"NC x 3-15/16")
8	4354175	12	WASHER, main bearing cap screw
9	4349630	1	* CAP, front main bearing
10	4349632	4	* CAP, intermediate main bearing
11	4389910	4	WASHER, center main bearing cap screw
12	4349629	1	* CAP, center main bearing
13	4339038	4	CAPSCREW, center main bearing cap (5/8"NC x 3-13/16")
14	4349631	1	* CAP, rear main bearing
15	4339036	10	CAPSCREW, rear and intermediate main bearing cap (3/4"NC x 4-5/16")
16	4362338	2	PLUG, crankcase
17	4337764	2	□ GASKET, valve lifter cover
18	4354635	1	COVER, valve lifter, front
19	4338674	1	COVER, valve lifter, rear
20	4335456	6	WASHER, valve lifter cover bolt
21	4335455	6	BOLT, valve lifter cover
22	4354449	1	CLOSURE ASSEMBLY, oil filler (Serviced only as a unit)
			* Replacement bearing caps are semi-finished and must be line-bored after installing
			□ Also see PACKAGED PARTS
			(Continued)

CYLINDER BLOCK (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION	
23	4335534	1	PLUG, camshaft hole	
24	4254624	1	O-RING, camshaft hole plug	
25	4389058	1	SCREW, oil pressure regulating valve	
	910847	1	NUT, jam, 3/4"NF	
26	4660358	1	SPRING, oil pressure regulating valve	
27	4500230	1	PISTON, oil pressure regulating valve	
28	4347465	1	INSERT, oil pressure regulating valve seat	
29	4347061	1	RESTRICTOR, oil passage	
30	4337972	12	□O-RING, cylinder sleeve	
31	4338648	6	□SLEEVE, cylinder	
32	4348857	-	SHIM, cylinder sleeve (.005" thick)	Use as required when re-machining cylinder blocks
	4348856	-	SHIM, cylinder sleeve (.008" thick)	
	4348859	-	SHIM, cylinder sleeve (.010" thick)	
	4348858	-	SHIM, cylinder sleeve (.015" thick)	
	4348900	-	SHIM, cylinder sleeve (.020" thick)	
33	4335777	2	CAPSCREW, crankcase pad (3/8"NC x 3/4", nylok)	
34	4339604	1	PLATE, cover, turbocharger oil drain hole	For units without turbocharger
	918683	2	CAPSCREW, 1/2"NC x 1-1/8"	
	904208	2	LOCKWASHER, 1/2"	
35	4336436	1	GASKET, oil drain hole cover	
<u>NOTE:</u> Items listed below are furnished only with service replacement cylinder block and are not original equipment				
36	4335369	1	PLATE, cover, oil gallery hole, upper	
	916311	4	CAPSCREW, 1/2"NC x 1-1/4"	
	904208	4	LOCKWASHER, 1/2"	
37	4253106	2	O-RING, oil gallery hole cover plates	
38	4335782	1	PLATE, cover, oil gallery hole, lower	
	919230	1	CAPSCREW, 1/2"NC x 1-3/8"	
39	4305073	2	STUD	
	904208	3	LOCKWASHER, 1/2"	
	910195	2	NUT, 1/2"NF	

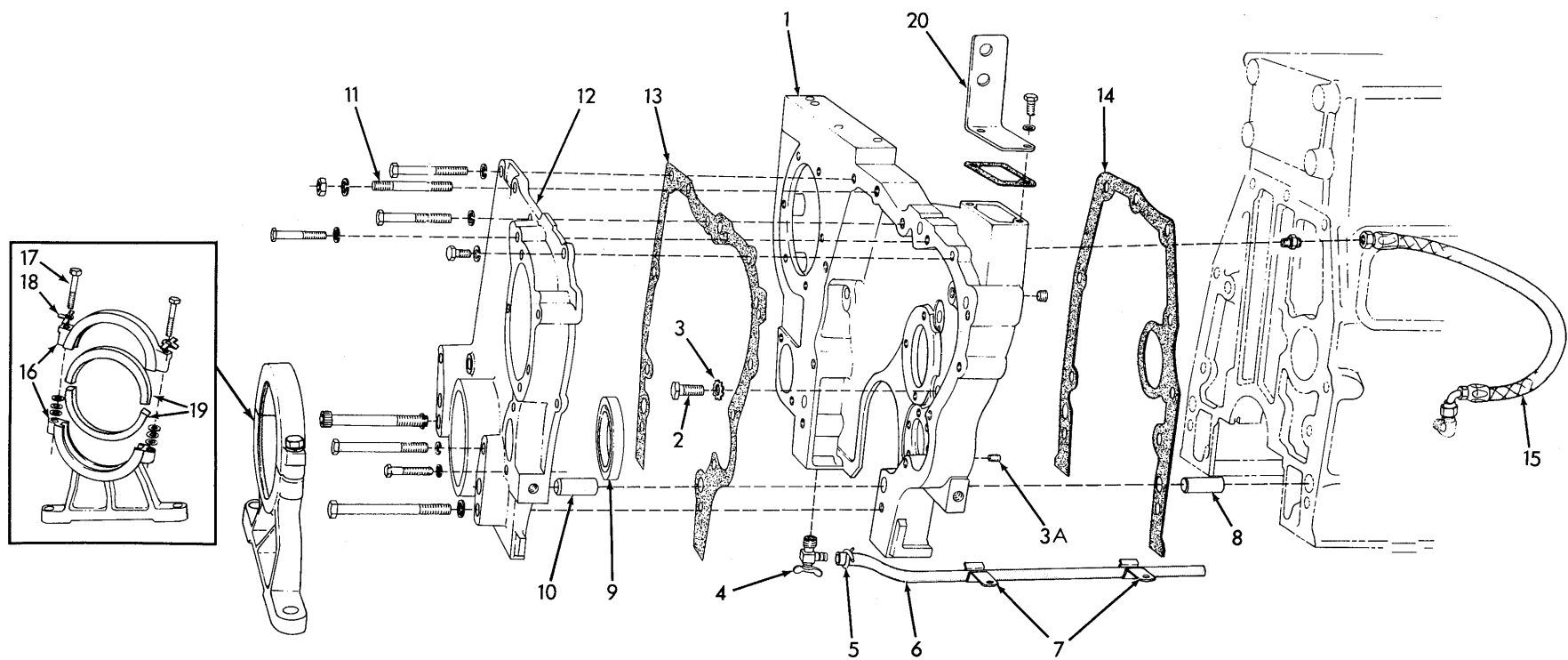
□Also see PACKAGED PARTS



PISTON AND CONNECTING ROD

T-24197

ITEM	PART NO.	QTY.	DESCRIPTION
1	4336512	6	PISTON
2	4337395	6	PIN, piston
3	4255465	12	RETAINER, piston pin
4	4347458	6	RING, compression (top groove)(See item 12)
5	4347235	12	RING, compression (See item 12)
6	4336559	6	RING, oil control (See item 12)
7	4354788	6	ROD ASSEMBLY, connecting (Includes items 8 thru 10)
8	4339017	6	BUSHING, connecting rod
9	4354179	12	BOLT, connecting rod
10	4354748	12	NUT, connecting rod bolt
11	4337701	12	BEARING, connecting rod (standard size)
	4337702	12	BEARING, connecting rod (.010" undersize)
	4337703	12	BEARING, connecting rod (.020" undersize)
	4337704	12	BEARING, connecting rod (.030" undersize)
	4337705	12	BEARING, connecting rod (.040" undersize)
12	4336578	6	RING SET (Includes parts for one (1) piston only; items 4, 5 and 6)
Also see PACKAGED PARTS			



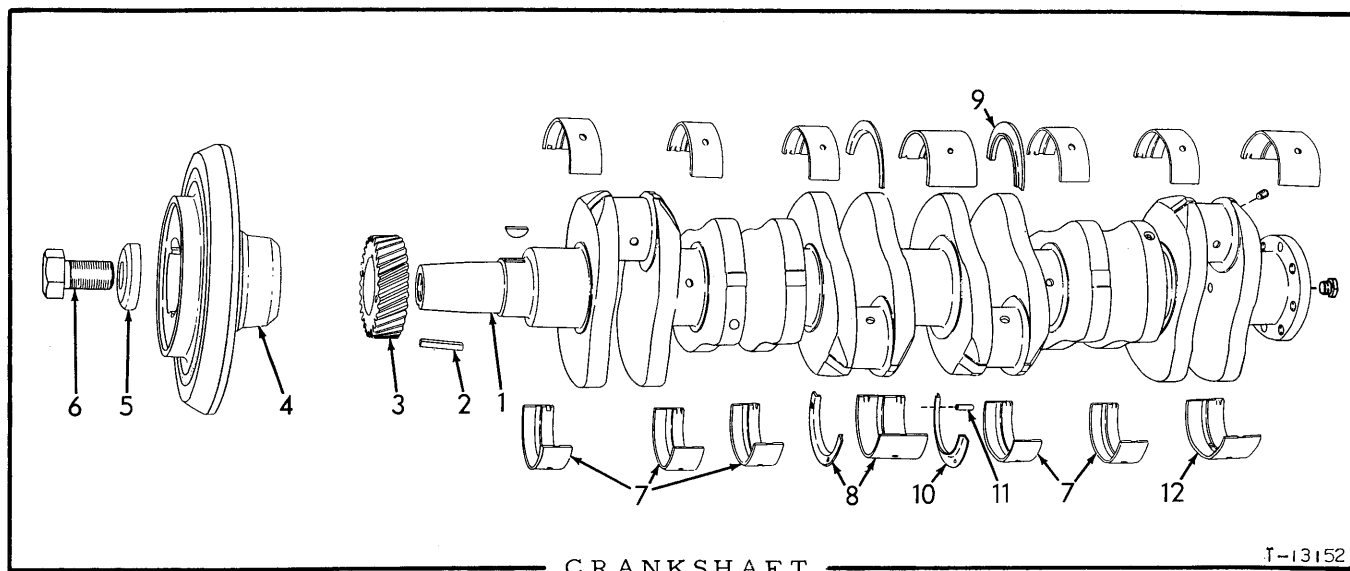
TIMING GEAR HOUSING

T-72319

TIMING GEAR HOUSING

ITEM	PART NO.	QTY.	DESCRIPTION
1	4357407	1	HOUSING, timing gear
	917970	2	PLUG, pipe, hex-socket, 1/2"NPT
2	4004054	3	CAPSCREW, 1/2"NC x 1-1/16"
3	4253490	3	LOCKWASHER
3A	621457	2	SETSCREW, hex-socket, Nylok, 5/16"NC x 3/8" (For plugging holes in pump mounting face of timing gear housing)
4	089894	1	COCK, drain
5	089107	1	CLAMP, drain hose
6	092652	1	HOSE, water drain
7	092758	2	CLIP, supporting, water drain hose
8	4346246	2	PIN, dowel, timing gear housing
9	4026447	1	SEAL, oil, crankshaft
10	4348107	2	PIN, dowel, timing gear cover
11	4335371	1	STUD, timing gear housing
	904208	1	LOCKWASHER, 1/2"
	910195	1	NUT, 1/2"NF
12	4357409	1	COVER ASSEMBLY, timing gear housing (Includes item 10)
	915969	3	CAPSCREW, 1/2"NC x 3"
	916319	1	CAPSCREW, 1/2"NC x 3-1/2"
	921299	1	CAPSCREW, hex-socket-hd., 1/2"NC x 4"
	919232	1	CAPSCREW, 1/2"NC x 4-3/4"
	910948	2	CAPSCREW, 3/8"NC x 2"
	912069	2	CAPSCREW, 3/8"NC x 2-1/2"
	904208	6	LOCKWASHER, 1/2"
	904206	6	LOCKWASHER, 3/8"
	916271	2	CAPSCREW, 3/8"NC x 1"
13	4354163	1	□GASKET, timing gear housing cover
14	4348136	1	□GASKET, timing gear housing
15	4376906	1	HOSE ASSEMBLY, cylinder block to gear housing (See page 6 for parts)
	919173	1	ELBOW, flare type, 1/4" tube, 1/8"NPT male
	919171	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
16	4335067	1	BRACKET, engine mounting (Includes cap)
17	4254891	2	CAPSCREW, 1/2"NC x 2-1/2"
	916009	10	WASHER, plain (1/32" thick. Use as required)
18	4335550	2	LOCKWASHER
19	4336491	2	LINER, engine mounting bracket
20	-----	1	BRACKET, lubricating hose (See FAN)

□Also see PACKAGED PARTS



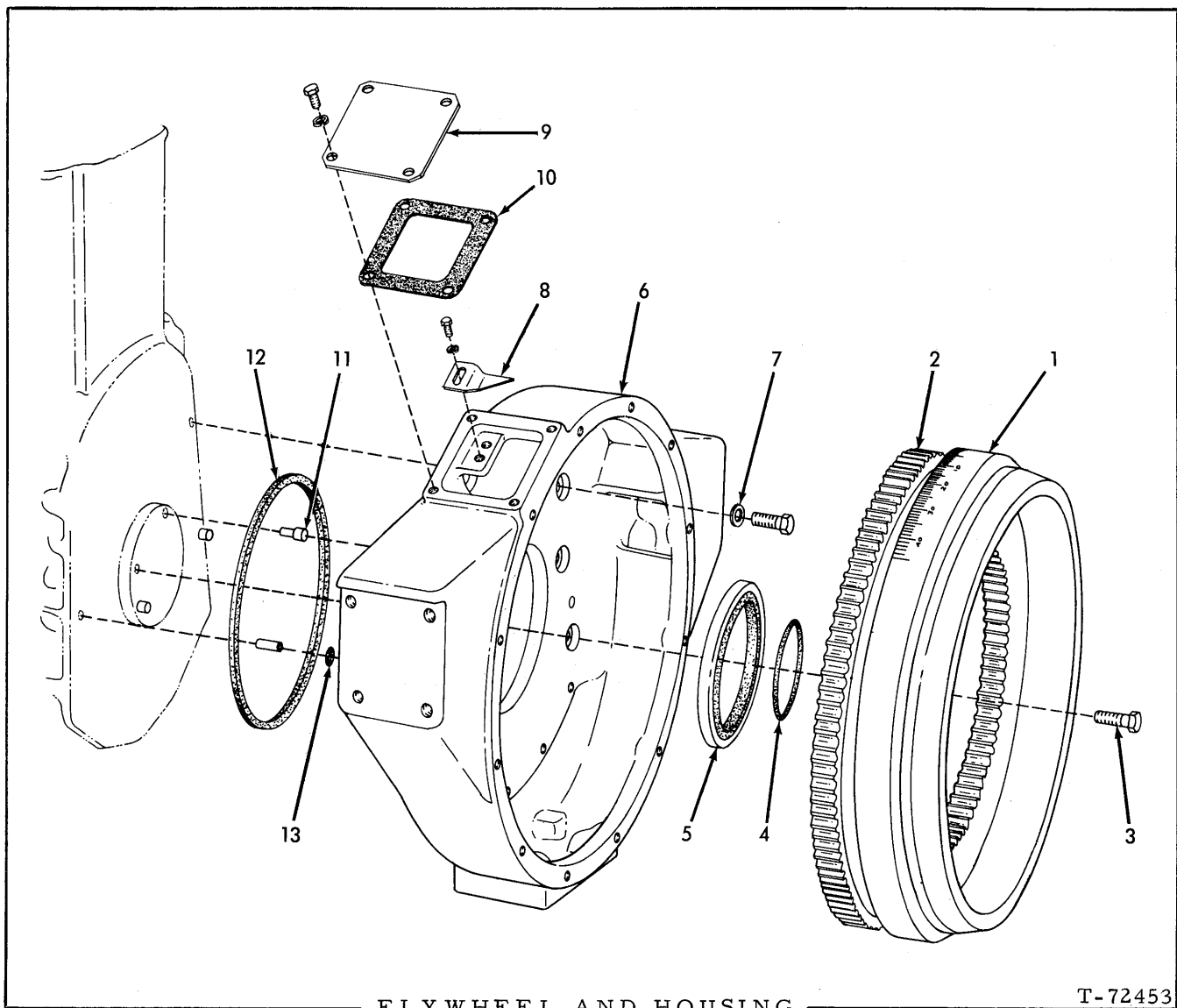
ITEM	PART NO.	QTY.	DESCRIPTION
1	4357334	1	CRANKSHAFT ASSEMBLY (Includes PLUGS indented below)
	917673	6	PLUG, pipe, hex-socket, 1/8"NPT
	919840	1	PLUG, pipe, hex-head, 1/4"NPT
2	4003490	1	KEY, crankshaft damper
3	4337060	1	GEAR, crankshaft
	905127	1	KEY, "B" woodruff, 5/16" x 1"
4	4335937	1	DAMPER, vibration
5	4371503	1	WASHER, crankshaft damper
6	4347897	1	CAPSCREW, crankshaft damper
7	4337710	10	BEARING, front and intermediate main (standard size)
	4337711	10	BEARING, front and intermediate main (.010" undersize)
	4337712	10	BEARING, front and intermediate main (.020" undersize)
	4337713	10	BEARING, front and intermediate main (.030" undersize)
	4337714	10	BEARING, front and intermediate main (.040" undersize)
8	4337735	1	BEARING KIT, center main (standard size)
	4337736	1	BEARING KIT, center main (.010" undersize)
	4337737	1	BEARING KIT, center main (.020" undersize)
	4337738	1	BEARING KIT, center main (.030" undersize)
	4337739	1	BEARING KIT, center main (.040" undersize)

NOTE: Each Bearing Kit listed above includes upper and lower bearings, set of standard thrust flanges and dowel pins

(Continued)

CRANKSHAFT (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
9	4337683	2	FLANGE, thrust, center main, upper (standard size)
	4337684	2	FLANGE, thrust, center main, upper (.005" oversize)
	4337685	2	FLANGE, thrust, center main, upper (.010" oversize)
	4337686	2	FLANGE, thrust, center main, upper (.015" oversize)
10	4337687	2	FLANGE, thrust, center main, lower (standard size)
	4337688	2	FLANGE, thrust, center main, lower (.005" oversize)
	4337689	2	FLANGE, thrust, center main, lower (.010" oversize)
	4337690	2	FLANGE, thrust, center main, lower (.015" oversize)
11	4250898	4	PIN, dowel, thrust flange
12	4337698	2	BEARING, rear main (standard size)
	4337699	2	BEARING, rear main (.010" undersize)
	4337700	2	BEARING, rear main (.020" undersize)
	4337715	2	BEARING, rear main (.030" undersize)
	4337716	2	BEARING, rear main (.040" undersize)



FLYWHEEL AND HOUSING

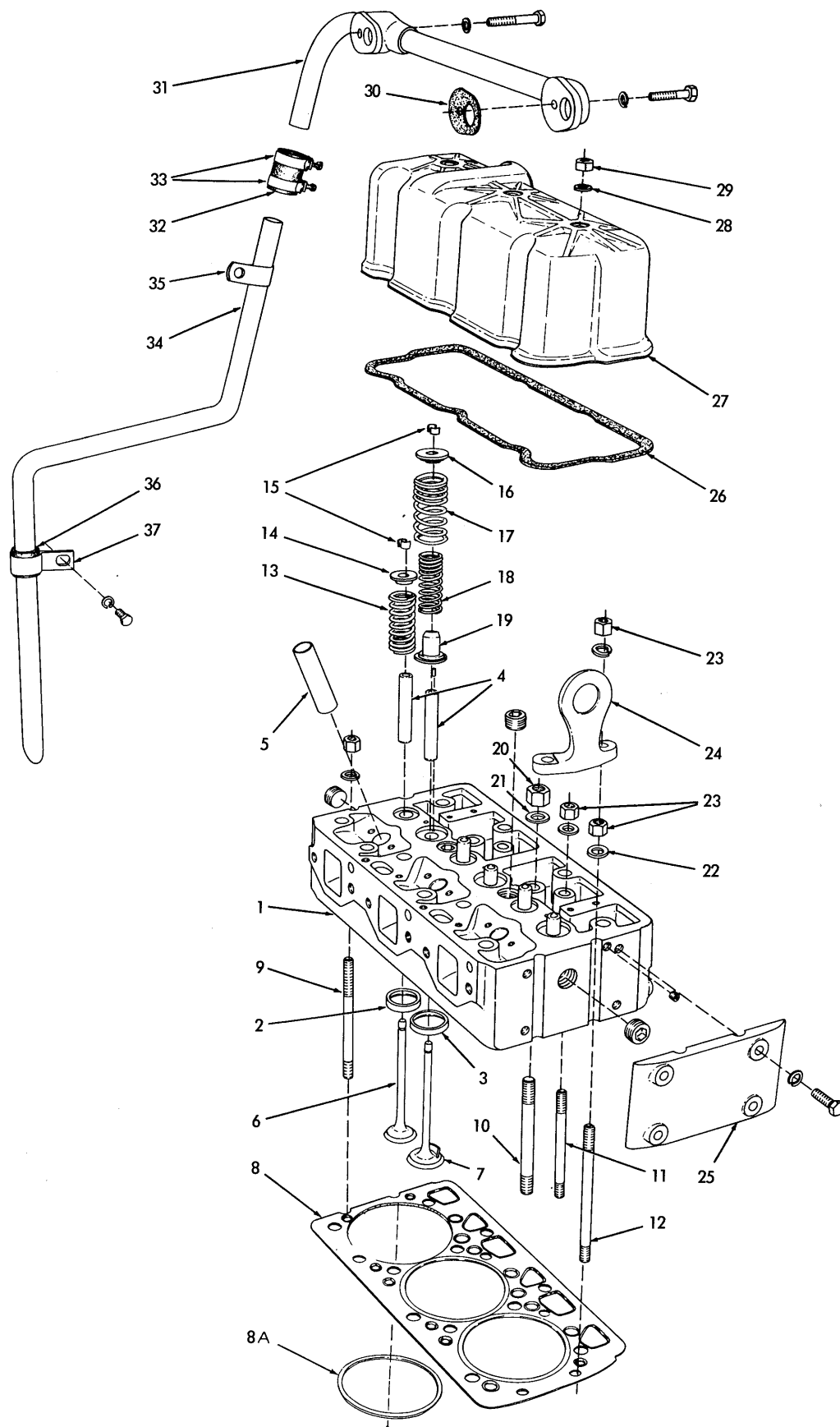
T-72453

ITEM	PART NO.	QTY.	DESCRIPTION
1	4338498	1	FLYWHEEL ASSY. (Includes item 2)
2	4304907	1	GEAR, ring
2A	4027282	1	SLEEVE, wear, flywheel seal surface (Effective with Engine #10-14257 and 11-14388. Can be installed on prior units also. Requires use of larger oil Seal 4027280)
3	4255343	6	BOLT, flywheel
4	4254182	1	☐ O-RING, flywheel to crankshaft
	4338440	1	SEAL, oil, crankshaft rear end (double lip, 5-3/8"ID)(Used prior to Engine #10-14257 and 11-14388)
5	4027280	2	SEAL, oil, crankshaft rear end (single-lip, 5-1/2"ID)(Effective with Engine #10-14257 and 11-14388)
5A	4027439	1	SPACER, oil seal (Installed between 4027280 Seal)
6	4339605	1	HOUSING, flywheel
	917021	2	PIN, dowel, 1/2" x 1"
	916311	9	CAPSCREW, 1/2"NC x 1-1/4"
7	4376749	9	WASHER, sealing
8	4336609	1	POINTER, timing
	916284	2	CAPSCREW, 1/4"NC x 1/2"
	904204	2	LOCKWASHER, 1/4"

(Continued)

FLYWHEEL AND HOUSING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
9	4336634	1	COVER, timing hole
	915343	4	CAPSCREW, 1/4"NC x 5/8"
	904204	4	LOCKWASHER, 1/4"
10	4336676	1	☐ GASKET, timing hole cover
11	4500300	2	DOWEL, flywheel to crankshaft
11A	4359168	1	SLUG KIT, dowel sealing (Consists of 2 lead slugs)
12	4336897	1	☐ RING, sealing, flywheel housing to crankcase
13	923376	2	☐ O-RING, flywheel housing dowel pin hole



CYLINDER HEAD

I-24202

CYLINDER HEAD

* Engines prior to serial No. 11-14193

** Engines serial No. 11-14193 and up

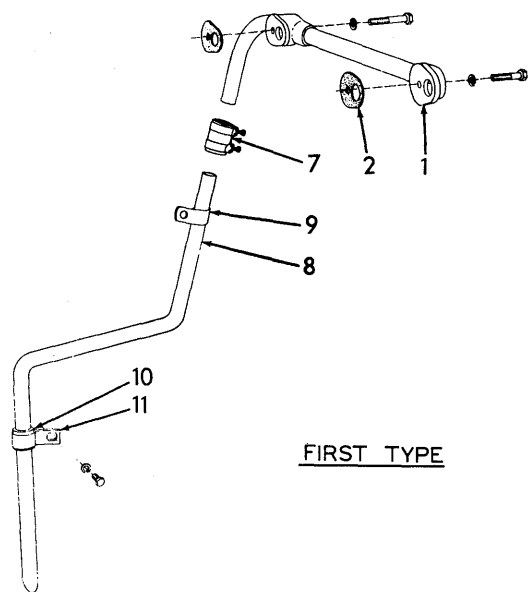
ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	-----	2	-	HEAD ASSEMBLY (Order 4359072, 3 VALVES 4359116 and 3 VALVES 4359117)
	4359072	-	2	HEAD ASSEMBLY (Includes items 2 thru 5 and hardware indented below)
	917673	4	4	PLUG, pipe, hex-socket, 1/8"NPT
	920340	8	8	PLUG, pipe, hex-socket, 3/4"NPT
	917560	6	6	PIN, dowel, 3/16" x 3/8" (intake valve locator)
2	4339547	6	-	INSERT, exhaust valve seat (45°-standard size)
	4359114	-	6	INSERT, exhaust valve seat (30°-standard size)
	4339625	6	-	INSERT, exhaust valve seat (45°-.005" oversize)
	4359115	-	6	INSERT, exhaust valve seat (30°-.005" oversize)
3	4339546	6	-	INSERT, intake valve seat (45°-standard size)
	4359112	-	6	INSERT, intake valve seat (30°-standard size)
	4339624	6	-	INSERT, intake valve seat (45°-.005" oversize)
	4359113	-	6	INSERT, intake valve seat (30°-.005" oversize)
4	4336586	12	12	GUIDE, valve stem
5	4336157	6	6	SLEEVE, injection nozzle
6	4336128	6	-	VALVE, exhaust (45°)
	4359117	-	6	VALVE, exhaust (30°)
7	4336127	6	-	VALVE, intake (45°)
	4359116	-	6	VALVE, intake (30°)
8	4354294	1	1	□ GASKET, cylinder head, front } Each includes item 8A
	4354295	1	1	
8A	4339848	6	6	GASKET, fire ring (cylinder sealing)
9	4339499	2	2	STUD, cylinder head (1/2" x 7-1/4")
10	4339505	24	24	STUD, cylinder head (5/8" x 6-1/2")
11	4339498	4	4	STUD, cylinder head (1/2" x 6-1/8")
12	4339497	2	2	STUD, cylinder head, front (1/2" x 7-3/8")
	4339434	2	2	STUD, cylinder head, rear (1/2" x 8-5/8")
13	4336131	6	6	SPRING, exhaust valve
14	4343799	6	6	RETAINER, exhaust valve spring
15	4376497	24	24	LOCK, valve spring retainer (half only)
16	4336153	6	6	RETAINER, intake valve spring
17	4336129	6	6	SPRING, intake valve, outer
18	4336130	6	6	SPRING, intake valve, inner
19	4336758	6	6	LOCATOR, intake valve
20	4388202	20	20	NUT, cylinder head stud (5/8"Nf)
	4354407	4	4	NUT, cylinder head stud (5/8"Nf, Nylok)(For end studs only)
21	4354490	24	24	WASHER, cylinder head nut (For 5/8" stud)
22	4372864	14	14	WASHER, cylinder head nut (For 1/2" stud)
23	4388205	14	14	NUT, cylinder head stud (1/2"Nf)

(Continued)

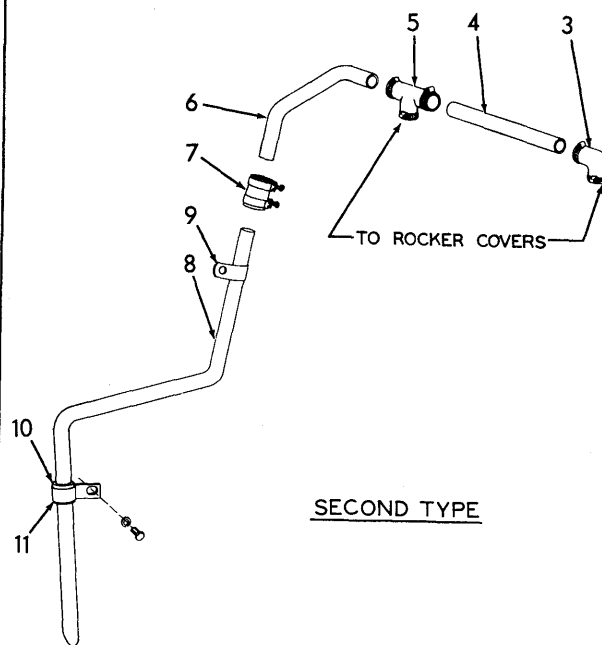
CYLINDER HEAD (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
24	4347619	2	2	EYE, engine lifting
25	4336178	2	2	PLATE, end
	916191	8	8	CAPSCREW, 7/16"NC x 1-1/2"
	904207	8	8	LOCKWASHER, 7/16"
26	4336148	2	2	□GASKET, rocker cover
27	4336146	2	2	COVER, rocker (Engines prior to #10-14164 and #11-14271)
	4357732	-	2	COVER, rocker (Effective with engines #10-14164 and #11-14271)
28	4376749	6	6	WASHER, sealing, rocker cover nut
29	4375937	6	6	NUT, rocker cover

NOTE: See page 27 for engine breather parts formerly listed in this section



FIRST TYPE



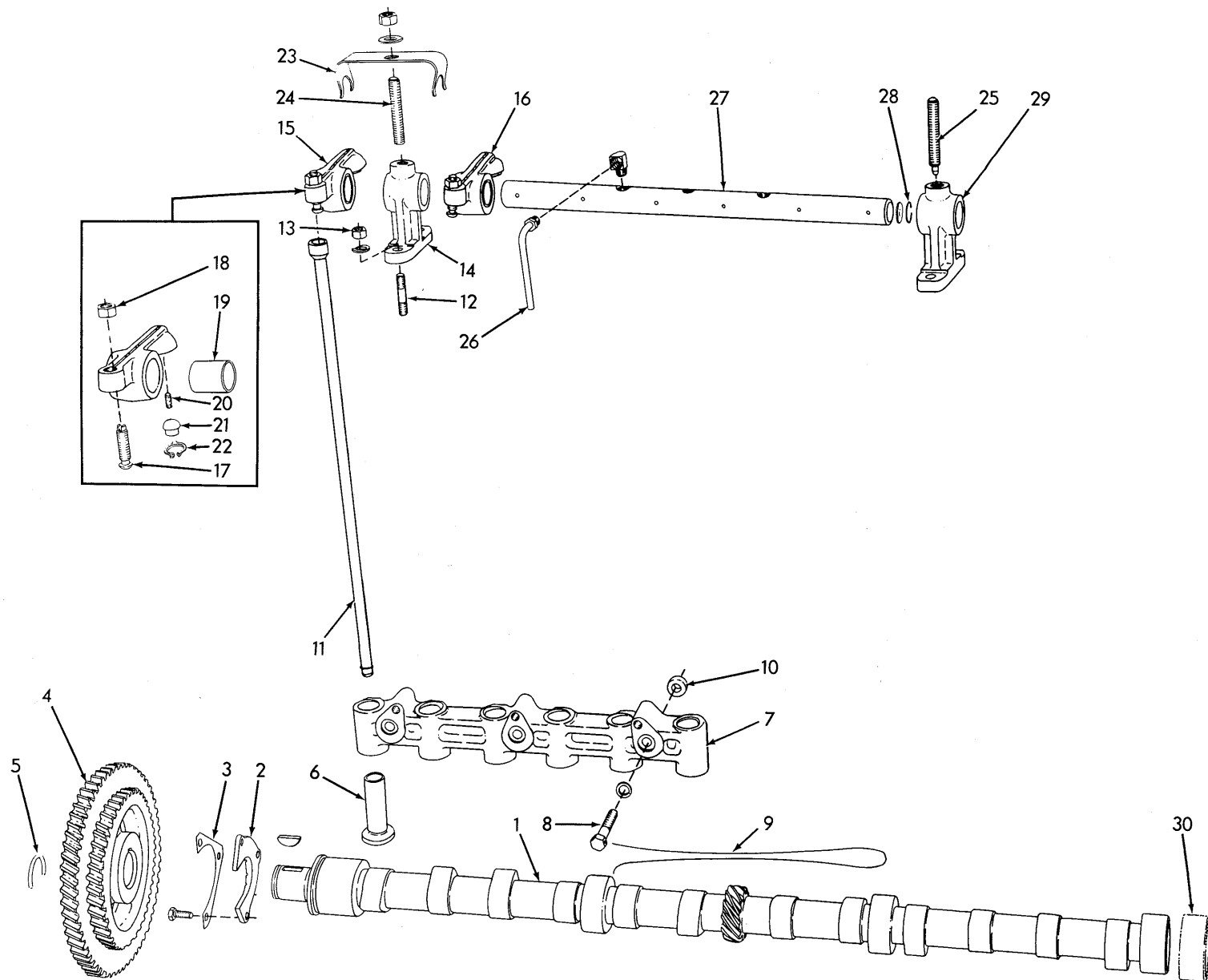
SECOND TYPE

ENGINE BREATHER

T-74675

* Engines prior to serial No. 10-14164 and 11-14271
 ** Effective with engines serial No. 10-14164 and 11-14271

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	4349305	1	-	TUBE, upper
	916273	1	-	CAPSCREW, 3/8"NC x 1-3/4"
	912069	1	-	CAPSCREW, 3/8"NC x 2-1/2"
	904206	2	-	LOCKWASHER, 3/8"
2	4348133	2	-	□GASKET, upper tube
3	4357735	-	1	ELBOW (rubber)
	921912	-	2	CLAMP, hose, 1-1/16" to 2" diam.
4	4357775	-	1	TUBE, upper
5	4357736	-	1	TEE (rubber)
	921912	-	3	CLAMP, hose, 1-1/16" to 2" diam.
6	4357733	-	1	TUBE, intermediate
7	4347924	1	1	HOSE, tube connecting
	4253453	2	2	CLAMP, hose
8	4338310	1	1	TUBE, lower (HD11E, HD11EP)
	4337905	1	1	TUBE, lower (HD12G)
9	4254173	1	1	CLIP, tube supporting, upper
10	4371324	1	1	INSULATOR, lower tube (rubber)
11	4371323	1	1	CLIP, tube supporting, lower
	915408	1	1	CAPSCREW, 3/8"NC x 3/4"
	904206	1	1	LOCKWASHER, 3/8"



VALVE OPERATING MECHANISM

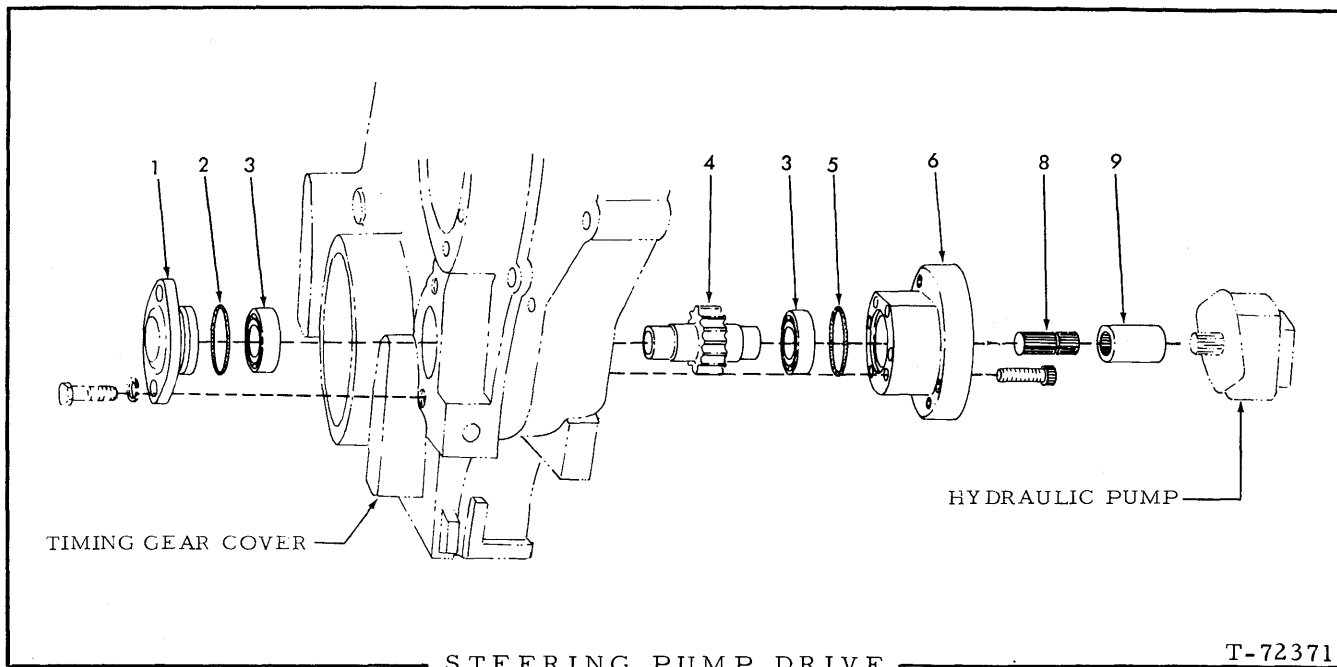
T-27404

VALVE OPERATING MECHANISM

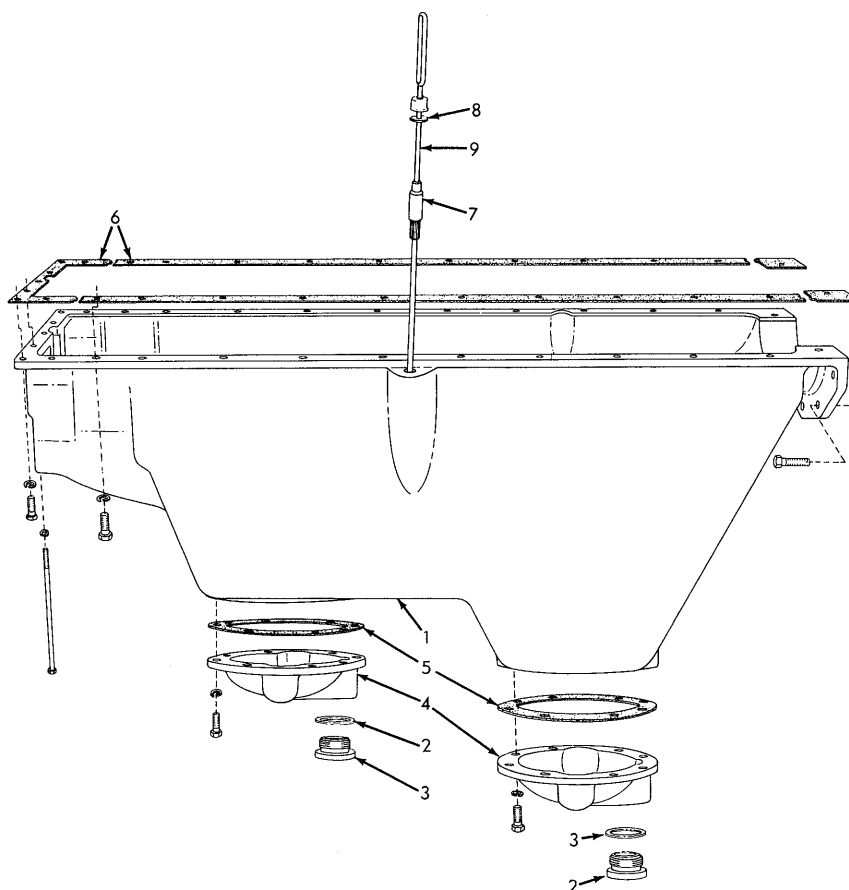
ITEM	PART NO.	QTY.	DESCRIPTION
1	4337723	1	CAMSHAFT
	905126	1	KEY, #5 woodruff, 1/4" x 1"
2	4349257	1	COLLAR, camshaft thrust
	916277	3	CAPSCREW, 5/16"NC x 5/8"
3	4025391	1	PLATE, capscrew locking
4	4339659	1	GEAR, camshaft
5	4346307	1	RING, snap, gear retaining
6	4338299	12	LIFTER, valve
7	4347511	2	BRACKET, valve lifter
8	4335548	6	CAPSCREW, 3/8"NC x 1-7/8"
	904206	6	LOCKWASHER, 3/8"
9	4335547	2	WIRE, locking
10	4347832	4	DOWEL, hollow, valve lifter bracket
11	4336234	12	ROD, push
12	4506946	12	STUD, rocker shaft bracket
	904206	12	LOCKWASHER, 3/8"
13	4348440	12	NUT, heat-treated, 3/8"NF
13A	4255723	12	BOLT, rocker shaft bracket (self-locking)(Effective with Engine #10-14722 and 11-15290)
14	4336143	4	BRACKET, rocker shaft, end
15	4337478	6	ARM ASSY., rocker, intake valve (Includes items 17 thru 22)
16	4337479	6	ARM ASSY., rocker, exhaust valve (Includes item 17 thru 22)
17	4336646	12	SCREW, valve lash adjustment
18	4348440	12	NUT, valve lash adjustment screw
19	4660369	12	BUSHING, rocker arm
20	4364422	12	WICK, oiling, rocker ball
21	4379305	12	BALL, rocker arm
22	4385480	12	RING, snap, rocker arm ball
23	4338143	6	CLIP, spring, rocker arm retaining
	912298	6	WASHER, plain, SAE std., 7/16"
	910986	6	NUT, 7/16"NF
24	4348129	4	STUD, rocker cover (2-5/8" long)
25	4348130	2	SCREW, rocker shaft retaining (3" long, dog-pt.)
26	4349157	2	TUBE ASSY., rocker shaft overflow (Includes nut)
	913039	2	ELBOW, inverted flare, 90°, 1/4" tube, 1/8"NPT male
27	4336145	2	SHAFT ASSY., rocker arm (Includes 910002 PLUGS and item 28)
	910002	4	PLUG, expansion, 3/4" diam.
28	4254363	4	RING, snap, rocker shaft
29	4336142	2	BRACKET, rocker shaft, center
30	-----	-	BEARING, camshaft (See CYLINDER BLOCK)

} Used prior to Engine
#10-14722 and 11-15290

} Engines prior to
#10-13955 and 11-13409



ITEM	PART NO.	QTY.	DESCRIPTION
1	4357411	1	RETAINER, front bearing
	-----	2	CAPSCREW (See TIMING GEAR HOUSING section)
2	4253818	1	O-RING, front bearing retainer
3	4253862	2	BEARING, ball
4	4357412	1	GEAR
5	923579	1	O-RING, pump adapter
6	4357410	1	ADAPTER, pump mounting
	924781	6	SCREW, 12-point, Nylok, 5/16"NC x 2-1/4"
8	658125	1	COUPLING, pump, external spline
9	656754	1	COUPLING, pump, internal spline

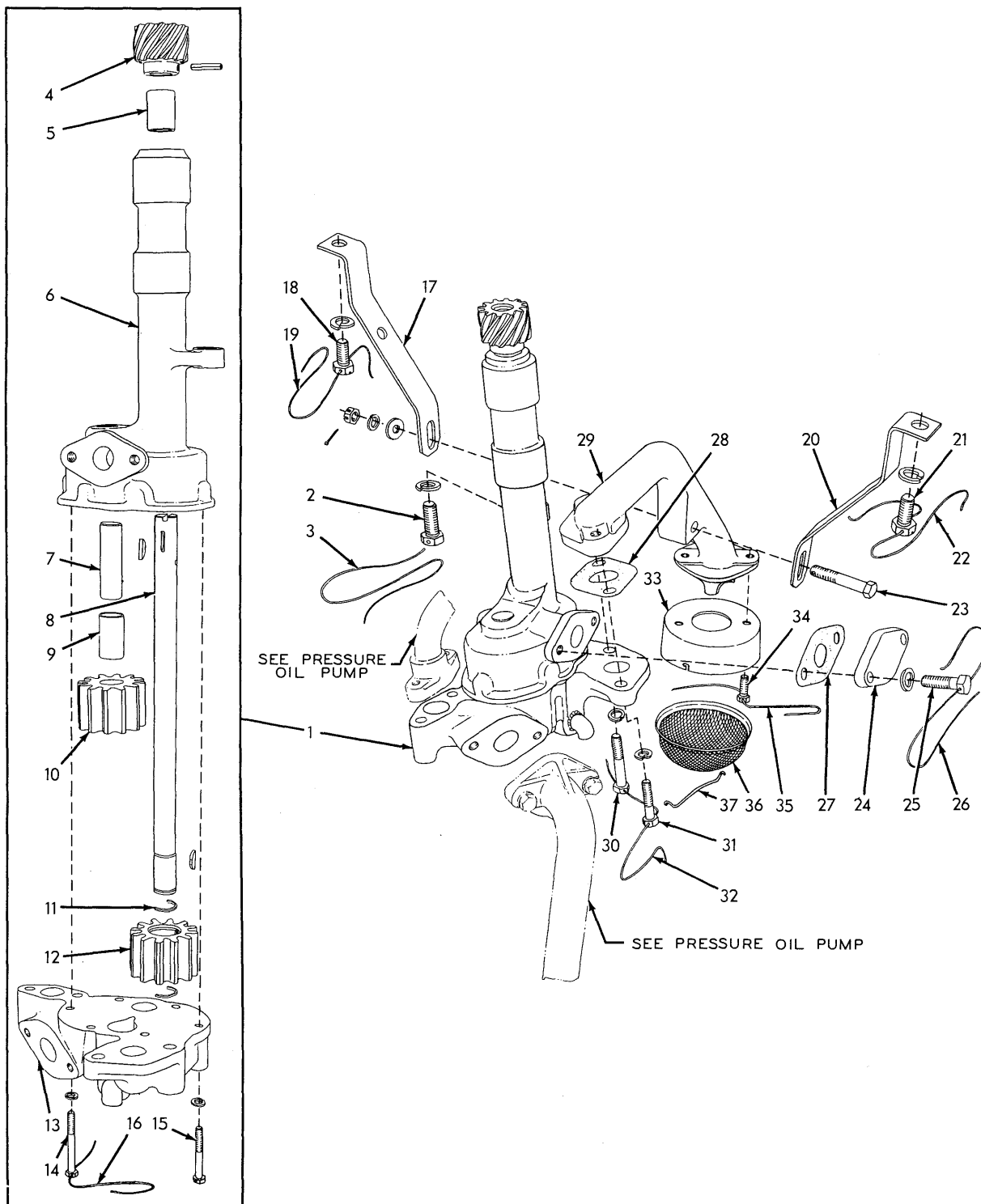


OIL PAN

T-13155

ITEM PART NO. QTY. DESCRIPTION

1	4337466	1	PAN, oil	
	919224	24	CAPSCREW, 3/8"NC x 1-1/8"	
	920539	5	CAPSCREW, Nylok, 3/8"NC x 1"	
	914392	2	CAPSCREW, 5/16"NC x 1"	
	919787	3	CAPSCREW, 5/16"NC x 6-1/2"	
	904206	24	LOCKWASHER, 3/8"	
	904205	5	LOCKWASHER, 5/16"	
2	035249	2	□GASKET, oil drain plug	
3	035250	2	PLUG, oil drain	
4	4373770	2	COVER, clean-out	
	916271	16	CAPSCREW, 3/8"NC x 1"	
	904206	16	LOCKWASHER, 3/8"	
5	4373069	2	□GASKET, clean-out cover	
6	4347543	1	GASKET SET, oil pan (5 pieces)	
7	4349037	1	ADAPTOR, oil level gauge	Engines prior to #10-14333 and 11-14551
8	4506607	1	SEAL, oil level gauge	
9	4336872	1	GAUGE, oil level	Effective with Engine #10-14333 and 11-14551
10	4357982	1	GAUGE, oil level	
11	4357592	1	ADAPTOR, oil level gauge	



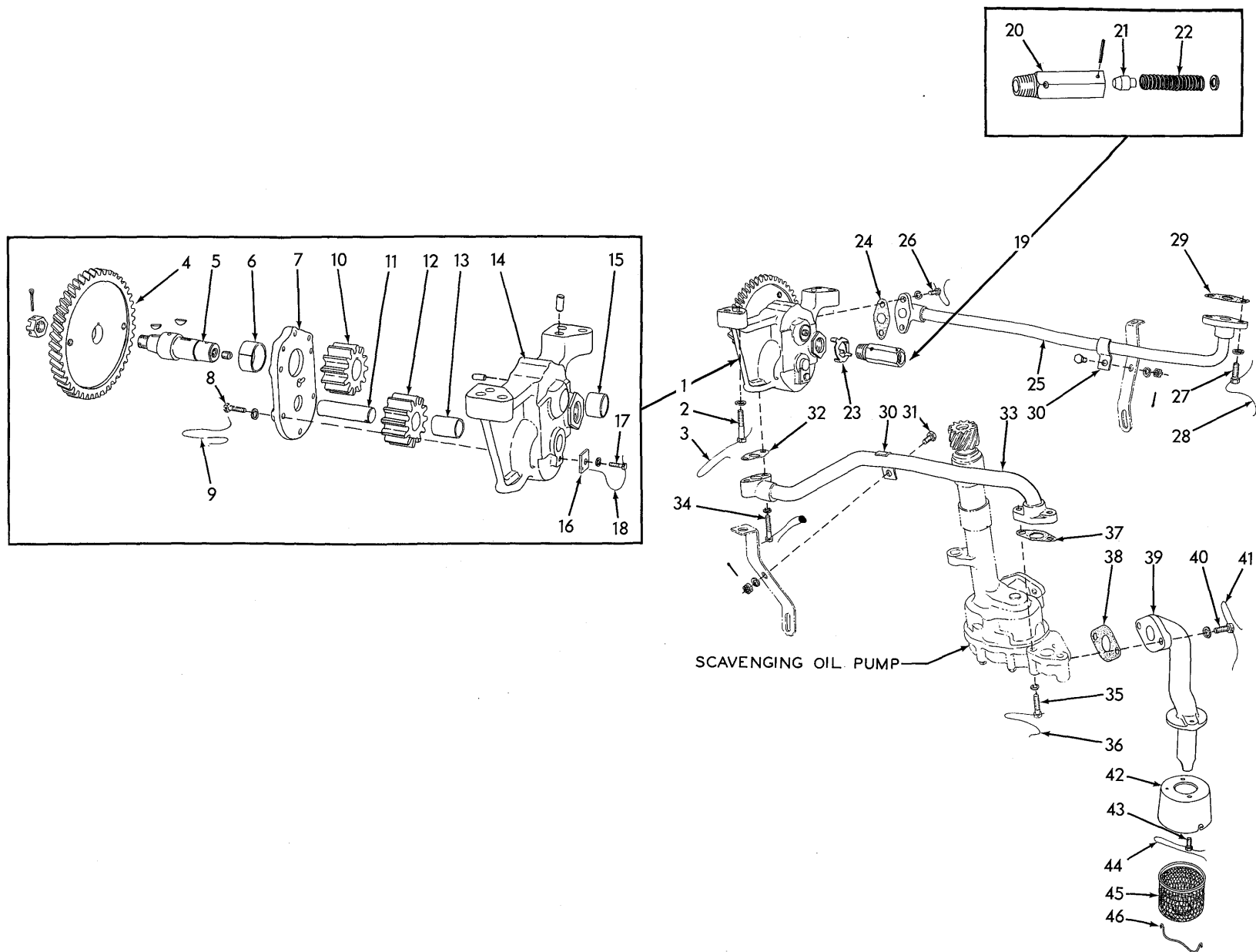
SCAVENGING OIL PUMP

T-13980

SCAVENGING OIL PUMP

ITEM	PART NO.	QTY.	DESCRIPTION
1	4335004	1	PUMP ASSEMBLY, scavenging (Consists of items 4 thru 16)
2	4311869	1	CAPSCREW, drilled-hd., 1/2"NC x 1-1/4"
	904208	1	LOCKWASHER, 1/2"
3	4509035	1	WIRE, locking, #18 x 10"
4	4660408	1	GEAR, pump driving
	917466	1	PIN, roll, 3/16" x 1-1/8"
5	4346327	2	BUSHING, pump body
6	4346125	1	BODY ASSEMBLY (Includes items 5 and 7)
7	4660409	1	SHAFT, stub
8	4347893	1	SHAFT, drive
	905122	2	KEY, #7 woodruff, 1/8" x 3/4"
9	4660412	1	BUSHING, pumping gear
10	4660410	1	GEAR ASSEMBLY, pumping (Includes item 9)
11	4251141	2	RING, snap, drive shaft
12	4660407	1	GEAR, pumping (keywayed)
13	4335000	1	COVER, pump body
14	4335167	5	CAPSCREW, drilled-hd., 1/4"NC x 2"
15	4335168	1	CAPSCREW, drilled-hd., 1/4"NC x 2-1/4"
	904204	6	LOCKWASHER, 1/4"
16	4348691	3	WIRE, locking, #18 x 6"
17	4347578	1	BRACKET, suction pipe bracing, left
18	4375812	1	CAPSCREW, drilled-hd., 1/2"NC x 1"
	904208	1	LOCKWASHER, 1/2"
19	4348691	1	WIRE, locking, #18 x 6"
20	4347577	1	BRACKET, suction pipe bracing, right
21	4375812	1	CAPSCREW, drilled-hd., 1/2"NC x 1"
	904208	1	LOCKWASHER, 1/2"
22	4348691	1	WIRE, locking, #18 x 6"
23	4335153	1	CAPSCREW, suction pipe to brace (drilled-end)
	912597	1	WASHER, plain
	904206	1	LOCKWASHER, 3/8"
	914773	1	NUT, slotted, 3/8"NC
	900802	1	PIN, cotter, 3/32" x 1"
24	4347575	1	COVER, side, pump body
25	4365867	2	CAPSCREW, drilled-hd., 3/8"NC x 1"
	904206	2	LOCKWASHER, 3/8"
26	4509035	1	WIRE, locking, #18 x 10"
27	4362458	1	□GASKET, pump body side cover
28	4346441	1	□GASKET, scavenging pump suction pipe
29	4335048	1	PIPE, suction
30	4349382	1	CAPSCREW, drilled-hd., 3/8"NC x 2-1/4"
31	4335264	1	CAPSCREW, drilled-hd., 3/8"NC x 1-3/8"
	904206	2	LOCKWASHER, 3/8"
32	4509035	1	WIRE, locking, #18 x 10"
33	4348684	1	COVER, oil screen
34	4374129	2	CAPSCREW, drilled-hd., 5/16"NC x 3/4"
35	4509035	1	WIRE, locking, #18 x 10"
36	4348683	1	SCREEN, oil
37	4348682	1	RETAINER, oil screen

□Also see PACKAGED PARTS



PRESSURE OIL PUMP

T-13181

PRESSURE OIL PUMP

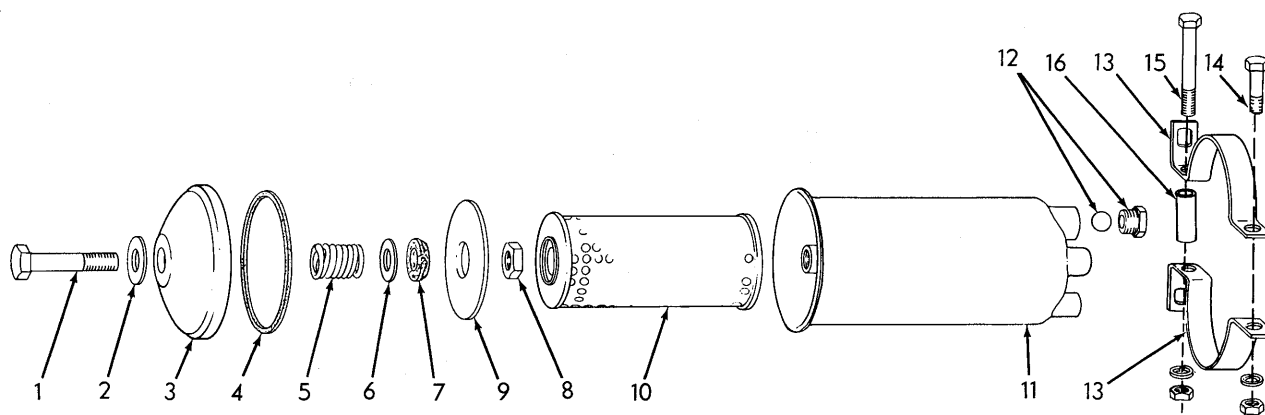
ITEM	PART NO.	QTY.	DESCRIPTION
1	4337059	1	PUMP ASSEMBLY (Consists of items 4 thru 18)
2	4348692	4	CAPSCREW, drilled-hd., 3/8"NC x 1-3/4"
	904206	4	LOCKWASHER, 3/8"
3	4509035	2	WIRE, locking, #18 x 10"
4	4337047	1	GEAR, driving
5	4348894	1	SHAFT, upper
	917673	1	PLUG, pipe, hex-socket, 1/8"NPT
	910224	2	KEY, #6 woodruff, 5/32" x 5/8"
	912840	1	NUT, slotted, 5/8"NF
	900807	1	PIN, cotter, 1/8" x 1-1/4"
6	4347659	1	BUSHING, pump cover
7	4348044	1	COVER ASSEMBLY (Includes item 6)
8	4875601	6	CAPSCREW, drilled-hd., 1/4"NC x 7/8"
	904204	6	LOCKWASHER, 1/4"
9	4348691	3	WIRE, locking, #18 x 6"
10	4348883	1	GEAR, upper (10 teeth)
11	4348038	1	SHAFT, lower
12	4348891	1	GEAR ASSEMBLY, lower (10 teeth. Includes item 13)
13	4348083	1	BUSHING, lower gear
14	4348885	1	HOUSING ASSEMBLY (Includes item 15 and dowel PINS indented below)
	917554	1	PIN, dowel, 1/4" x 1/2"
	917546	2	PIN, dowel, 3/8" x 5/8"
15	4348303	1	BUSHING, pump housing
16	4348020	1	RETAINER, lower shaft
17	4349378	1	CAPSCREW, drilled-hd., 1/4"NC x 1/2"
	904204	1	LOCKWASHER, 1/4"
18	4348769	1	WIRE, locking, #18 x 4"
19	4354573	1	VALVE ASSEMBLY, oil pressure relief (Consists of items 20 thru 22)
20	-----	1	BODY, pressure relief valve (Not serviced separately)
21	-----	1	PISTON, pressure relief valve (Not serviced separately)
22	4354568	1	SPRING, pressure relief valve
	913168	1	WASHER, plain
	916001	1	PIN, roll, 3/16" x 1"
23	4347938	1	LOCK, oil pressure relief valve
24	4348215	1	□GASKET, discharge pipe to pump
25	4335382	1	PIPE, pump discharge
26	4320227	2	CAPSCREW, drilled-hd., 5/16"NC x 7/8"
	904205	2	LOCKWASHER, 5/16"
27	4346483	2	CAPSCREW, drilled-hd., 3/8"NC x 1-1/4"
	904206	2	LOCKWASHER, 3/8"
28	4509035	2	WIRE, locking, #18 x 10"

□Also see PACKAGED PARTS
(Continued)

PRESSURE OIL PUMP (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
29	4346169	1	□GASKET, discharge pipe to crankcase
30	4347572	2	CLAMP, pipe supporting
31	4335152	2	CAPSCREW, drilled end, 3/8"NC x 3/4"
	904206	2	LOCKWASHER, 3/8"
	914773	2	NUT, slotted, 3/8"NC
	900802	2	PIN, cotter, 3/32" x 1"
32	4348218	1	□GASKET, suction pipe to pressure pump
33	4335384	1	PIPE, suction, front section
34	4349375	2	CAPSCREW, drilled-hd., 5/16"NC x 1-5/8"
35	4349383	2	CAPSCREW, drilled-hd., 5/16"NC x 2"
	904205	4	LOCKWASHER, 5/16"
36	4509035	2	WIRE, locking, #18 x 10"
37	4348215	1	□GASKET, front suction pipe to scavenging pump
38	4346441	1	□GASKET, rear suction pipe to scavenging pump
39	4335050	1	PIPE, suction, rear section
40	4304980	2	CAPSCREW, drilled-hd., 3/8"NC x 1-1/8"
	904206	2	LOCKWASHER, 3/8"
41	4348689	1	WIRE, locking, #18 x 13"
42	4389732	1	COVER, oil screen
43	4374129	2	CAPSCREW, drilled-hd., 5/16"NC x 3/4"
44	4509035	1	WIRE, locking, #18 x 10"
45	4374127	1	SCREEN, oil
46	4376294	1	RETAINER, oil screen

□Also see PACKAGED PARTS



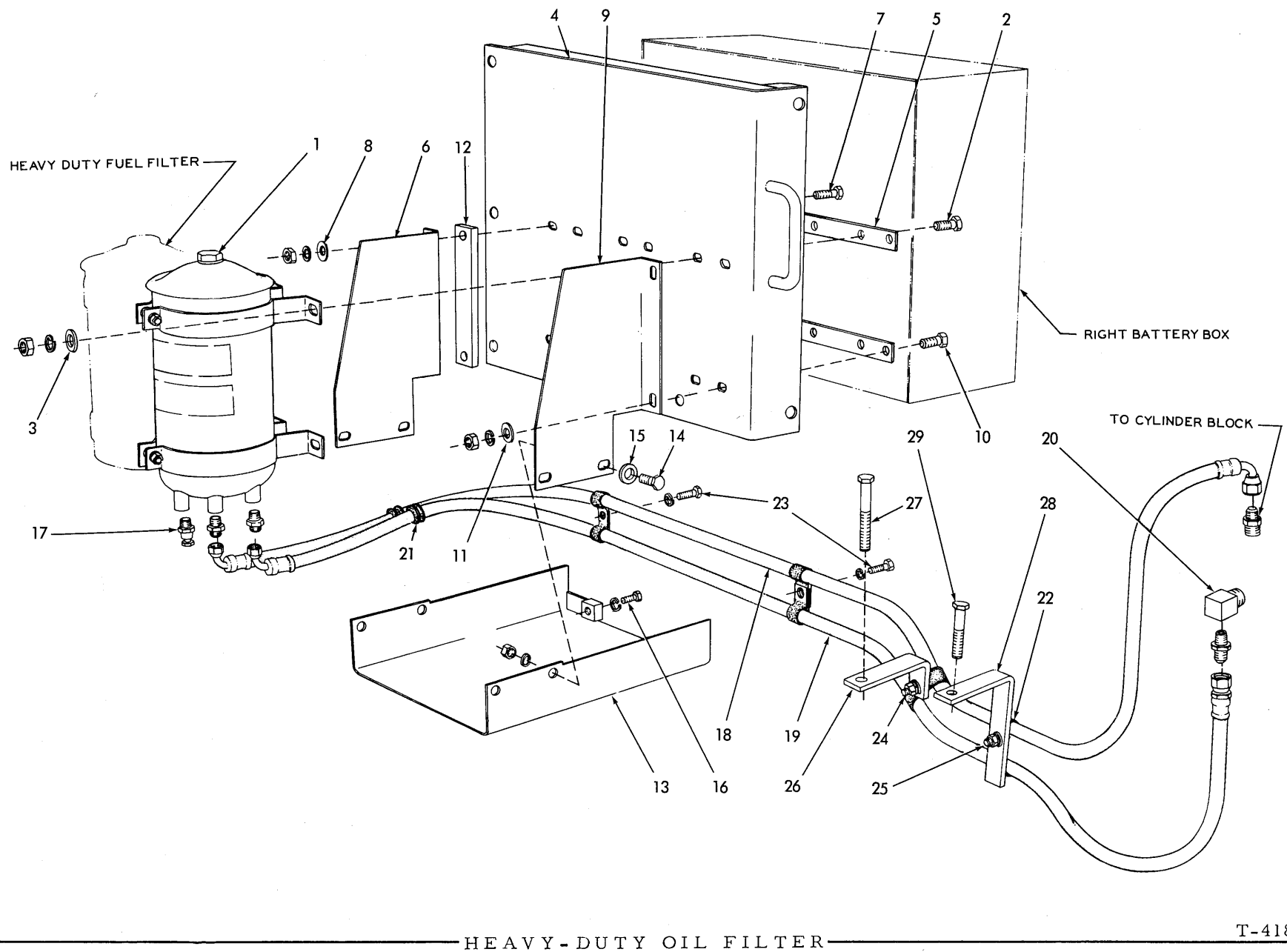
HEAVY-DUTY FILTER PARTS ("Briggs")

T-71312

* 654674 FILTER ASSEMBLY, oil (See page 39)

** 654673 FILTER ASSEMBLY, fuel (See page 43)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	647680	1	-	VALVE ASSEMBLY, by-pass (Includes ball, spring and retainer) (Serviced only as a unit)
	647432	-	1	CAPSCREW, cover retaining
2	647436	1	1	WASHER, cover retaining capscrew
3	647446	1	1	COVER, tank
4	647448	1	1	GASKET, tank cover
5	647439	1	1	SPRING, element retaining
6	647449	1	1	WASHER, element retaining spring (steel)
7	647450	1	1	WASHER, sealing, cover retaining capscrew (cork)
8	647455	1	1	NUT
9	647453	1	1	PLATE, element retaining
10	647513	1	1	ELEMENT KIT (Includes item 4)
11	654720	1	-	TANK
	654719	-	1	TANK
12	654721	1	-	BUSHING, oil inlet
	905366	1	-	BALL, steel, 11/16" diam. (check valve)
13	647554	4	4	STRAP, mounting
14	013059	2	2	CAPSCREW, 3/8"NC x 2"
15	041915	2	2	CAPSCREW, 3/8"NC x 3-1/2"
	904206	4	4	LOCKWASHER, 3/8"
	911026	4	4	NUT, 3/8"NC
16	654717	2	2	PIPE, spacing, mounting strap

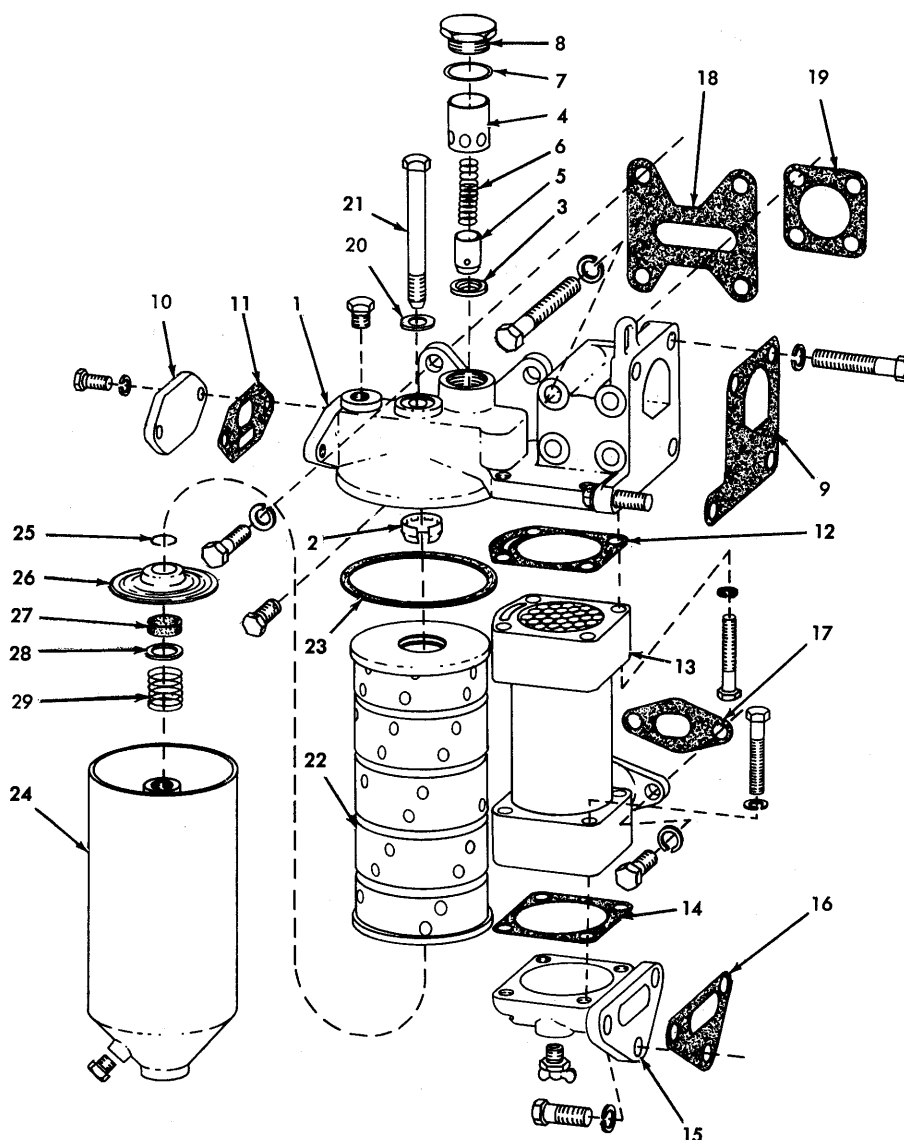


HEAVY-DUTY OIL FILTER

USAGE: Special equipment. Supplements standard oil filter.

ITEM	PART NO.	QTY.	DESCRIPTION
1	654674	1	FILTER ASSEMBLY ("Briggs". See page 37 for parts)
2	035018	4	CAPSCREW, 1/2"NF x 1-1/2"
3	064531	4	WASHER, plain
	904208	4	LOCKWASHER, 1/2"
	911043	4	NUT, 1/2"NF
4	639421	1	COVER, right battery box (Replaces standard COVER 639905)
5	099830	2	PLATE, reinforcing
6	099831	1	BRACKET, channel supporting, rear
7	035067	2	CAPSCREW, 1/2"NF x 2"
8	064531	2	WASHER, plain
	904208	2	LOCKWASHER, 1/2"
	911043	2	NUT, 1/2"NF
9	099832	1	BRACKET, channel supporting, front
10	035067	2	CAPSCREW, 1/2"NF x 2"
11	064531	2	WASHER, plain
	904208	2	LOCKWASHER, 1/2"
	911043	2	NUT, 1/2"NF
12	639416	2	BAR, bracket spacing
13	639419	1	CHANNEL, hose protecting
14	070469	4	CAPSCREW, 1/2"NF x 1-1/4"
15	064531	4	WASHER, plain
	904208	4	LOCKWASHER, 1/2"
	911043	4	NUT, 1/2"NF
16	070469	2	CAPSCREW, 1/2"NF x 1-1/4"
	904208	2	LOCKWASHER, 1/2"
17	633519	1	COCK, drain, 3/8"NPT
18	639412	1	HOSE, oil supply (See page 6)
	919172	2	CONNECTOR, flare type, 3/8" tube, 3/8"NPT male
19	639411	1	HOSE, oil return (See page 6)
	919062	1	CONNECTOR, flare type, 3/8" tube, 1/4"NPT male
	919172	1	CONNECTOR, flare type, 3/8" tube, 3/8"NPT male
20	644115	1	ELBOW, oil return line
21	093748	2	GROMMET, hose protecting, rear
22	094467	8	CLIP, hose supporting
23	035244	2	CAPSCREW, 3/8"NC x 3/4"
24	035167	1	CAPSCREW, 3/8"NF x 7/8"
25	036034	1	CAPSCREW, 3/8"NF x 1"
	904206	4	LOCKWASHER, 3/8"
	911041	2	NUT, 3/8"NF
	911115	1	WASHER, plain, SAE std., 3/8"
26	639417	1	ANGLE, hose supporting, rear
27	042430	1	CAPSCREW, 1/2NF x 3-1/4"
28	618103	1	ANGLE, hose supporting, front
29	035068	1	CAPSCREW, 1/2"NF x 2-1/4"

NOTE: See PAINTING AND MARKING for transfers



LUBRICATING OIL FILTER AND COOLER

T-41946

USAGE: Engines prior to serial No. 11-18273; 10-14953
 ITEM PART NO. QTY. DESCRIPTION

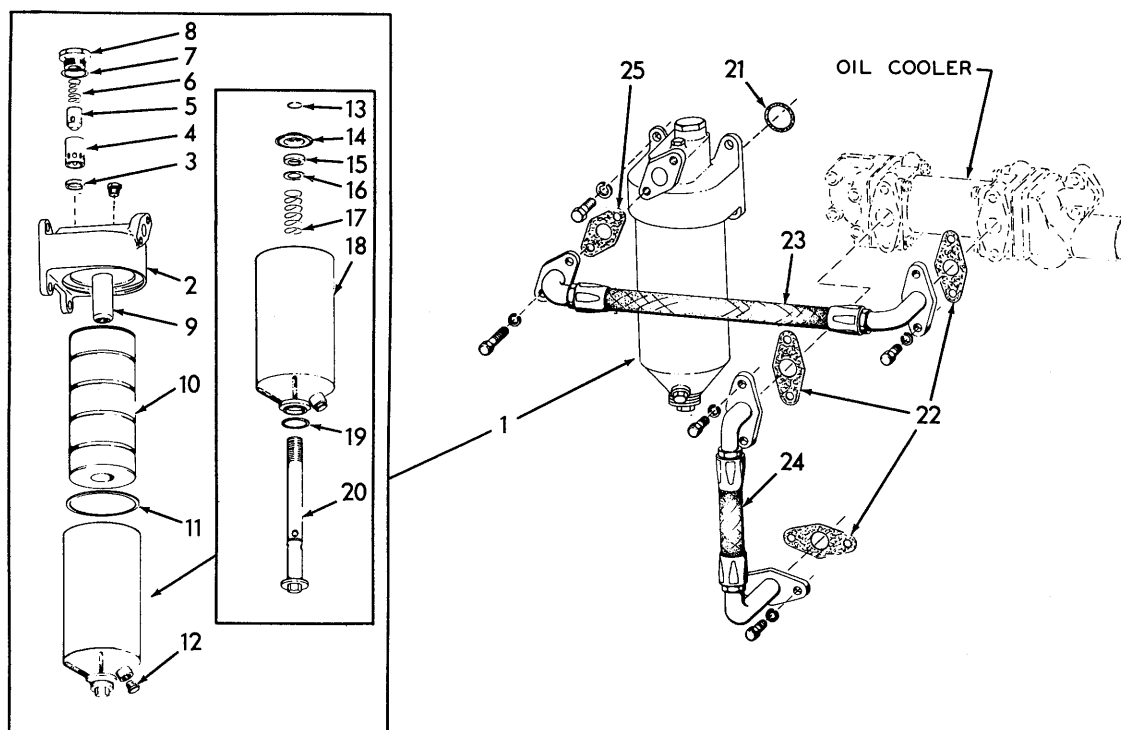
1	4339198	1	HEAD ASSEMBLY (Includes items 2 thru 8)
	920333	1	PLUG, pipe, hex-hd., 3/8"NPT (Units without turbocharger only)
	920541	3	CAPSCREW, Nylok, 1/2"NC x 1-1/2"
	920540	1	CAPSCREW, Nylok, 1/2"NC x 1-1/4"
	920574	3	CAPSCREW, 1/2"NC x 1-3/8"
	915969	1	CAPSCREW, 1/2"NC x 3"
	904208	6	LOCKWASHER, 1/2"
	919293	4	CAPSCREW, 3/8"NC x 5"
	904206	4	LOCKWASHER, 3/8"
2	4379263	1	ADAPTOR, cartridge centering, upper
3	4373614	1	SEAT, by-pass valve
4	4373612	1	SLEEVE, by-pass valve piston

(Continued)

LUBRICATING OIL FILTER AND COOLER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
5	4373613	1	PISTON, by-pass valve
6	4335666	1	SPRING, by-pass valve
7	4253751	1	GASKET, by-pass valve cap
8	4373610	1	CAP, by-pass valve
9	4339128	1	GASKET, filter head
10	4339114	1	COVER, filter head
	916272	2	CAPSCREW, 3/8"NC x 1-1/4"
	904206	2	LOCKWASHER, 3/8"
11	4339123	1	GASKET, filter head cover
12	4339118	1	GASKET, oil cooler to filter head
13	4339124	1	COOLER, lubricating oil
	912069	8	CAPSCREW, 3/8"NC x 2-1/2"
	921076	2	CAPSCREW, 3/8"NC x 1-1/4" (To block)
	904206	10	LOCKWASHER, 3/8"
14	4349984	1	GASKET, oil cooler to adaptor
15	4339121	1	ADAPTOR, oil cooler
	912415	1	COCK, drain, 1/4"NPT
	915987	3	CAPSCREW, 1/2"NC x 1-1/2"
	904208	3	LOCKWASHER, 1/2"
16	4339127	1	GASKET, oil cooler adaptor
17	4339151	1	□GASKET, cooler to block
18	4339150	1	□GASKET, filter head to block, rear
19	4348184	1	□GASKET, filter head to block, front
20	4376749	1	WASHER, sealing, filter body capscrew
21	4339022	1	CAPSCREW, oil filter body
22	4371021	1	CARTRIDGE ASSEMBLY, oil filter (Includes item 23)
23	4372325	1	GASKET, oil filter body
24	4339021	1	BODY, oil filter
	918951	1	PLUG, pipe, hex-hd., 3/8"NPT
25	4379269	1	RING, snap, adaptor retaining
26	4055971	1	ADAPTOR, cartridge centering, lower
27	4053409	1	SEAL, cartridge adaptor
28	4053410	1	WASHER, cartridge adaptor seal
29	4379268	1	SPRING, cartridge retaining

□Also see PACKAGED PARTS



OIL FILTER

T-37197

USAGE: Engines serial No. 11-18273 and up also No. 10-14953 and up

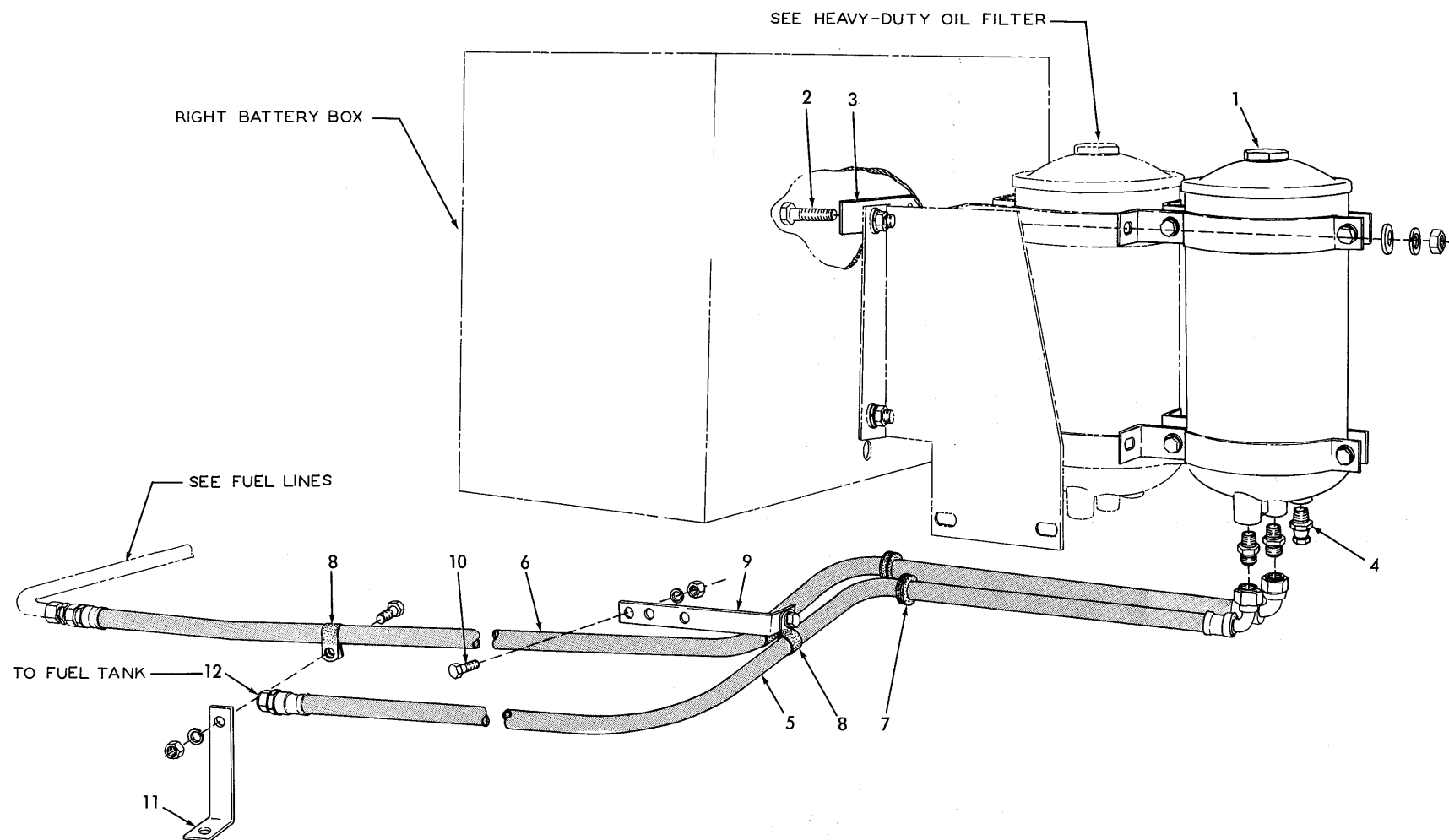
ITEM	PART NO.	QTY.	DESCRIPTION
1	4337527-8 0919230-3 0904208-6	1 6 6	FILTER ASSY., oil (Includes items 2 thru 20) CAPSCREW, 1/2"NC x 1-3/8" LOCKWASHER, 1/2"
2	4337528-6 0920333-2	1 1	HEAD ASSY., filter (Includes items 3 thru 9) PLUG, pipe, hex-hd., 3/8"NPT
3	4373614-9	1	SEAT, relief valve piston
4	4373612-3	1	SLEEVE, relief valve piston
5	4373613-1	1	PISTON, relief valve
6	4359656-8	1	SPRING, relief valve
7	4253751-4	1	GASKET, relief valve cap
8	4373610-7	1	CAP, relief valve
9	4371443-5	1	ADAPTER, center bolt
10	4371021-9	1	ELEMENT KIT, oil filter (Includes item 11)
11	4372325-3	1	GASKET, filter body
12	0918951-5	1	PLUG, filter drain (hex-hd., 3/8"NPT)

(Continued)

OIL FILTER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
13	4253195-4	1	RING, snap, filter center bolt
14	4348269-4	1	ADAPTER, filter element
15	4348270-2	1	SEAL, filter element
16	4348268-6	1	WASHER, filter element seal
17	4371036-7	1	SPRING, filter element
18	4335352-3	1	BODY, oil filter
19	4041103-5	1	GASKET, filter center bolt
20	4374735-1	1	BOLT, center
21	0923718-1	1	□O-RING, filter to cylinder block
22	4335577-5	3	□GASKET, oil hose flange
23	4335567-6	1	HOSE ASSY., oil filter to cooler (See HOSE PARTS)
	0919224-6	4	CAPSCREW, 3/8"NC x 1-1/8"
	0904206-0	4	LOCKWASHER, 3/8"
24	4335566-8	1	HOSE ASSY., oil cooler to crankcase (See HOSE PARTS)
	0919224-6	4	CAPSCREW, 3/8"NC x 1-1/8"
	0904206-0	4	LOCKWASHER, 3/8"
25	4335578-3	1	□GASKET, hose to filter

(Added April 1971)



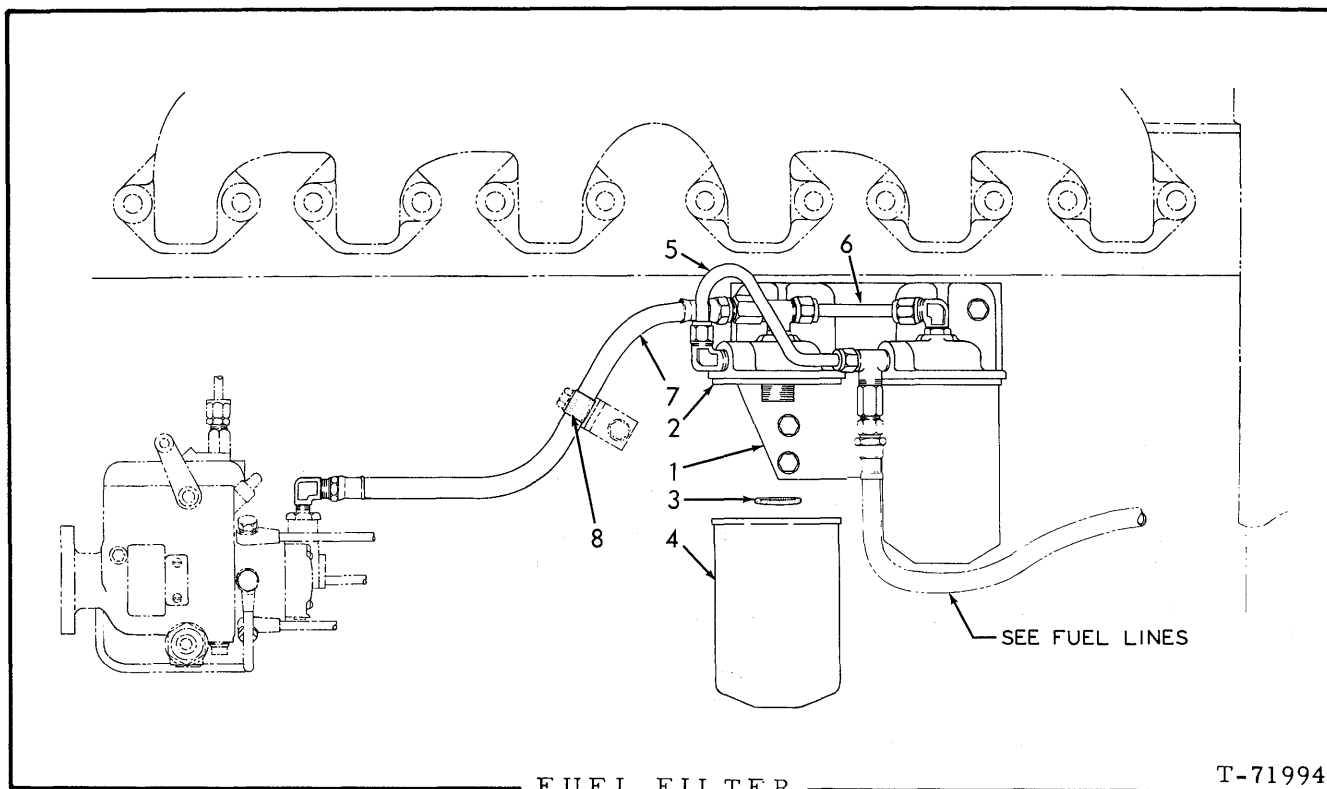
HEAVY-DUTY FUEL FILTER

T-72321

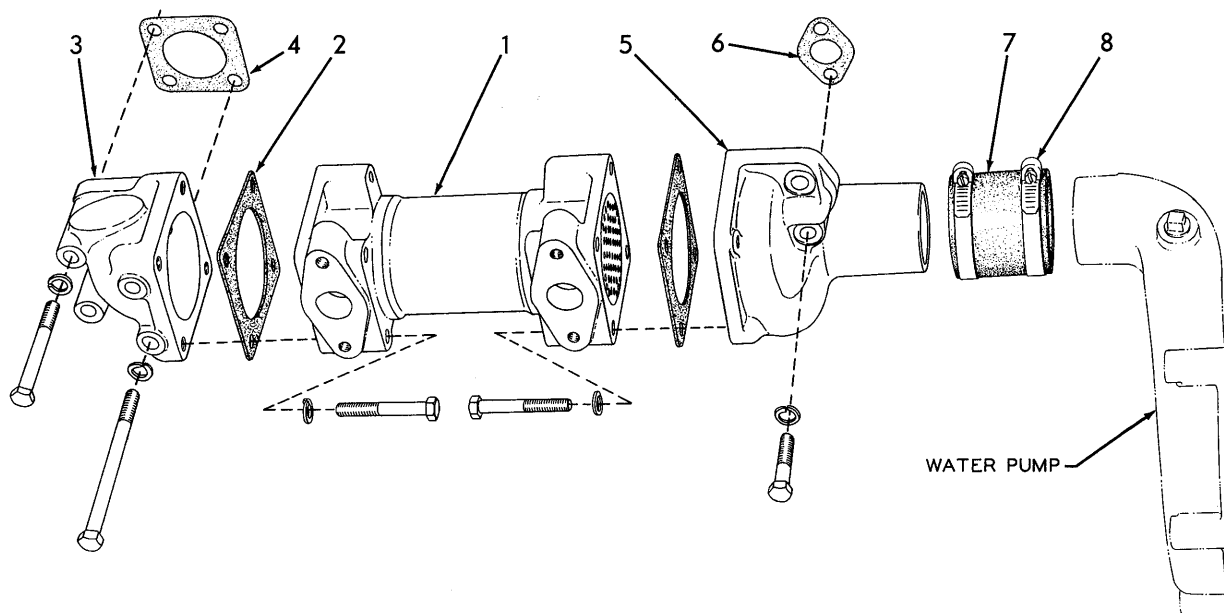
HEAVY-DUTY FUEL FILTER

USAGE: Special equipment. Supplements standard fuel filter

ITEM	PART NO.	QTY.	DESCRIPTION
1	654673	1	FILTER ASSEMBLY ("Briggs". See page 37 for parts)
2	035018	4	CAPSCREW, 1/2"NF x 1-1/2"
	064531	4	WASHER, plain
	904208	4	LOCKWASHER, 1/2"
	911043	4	NUT, 1/2"NF
3	099830	2	PLATE, reinforcing
4	633519	1	COCK, drain, 3/8"NPT
5	639414	1	HOSE, tank to filter (See page 6)
	919063	1	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
6	646917	1	HOSE, filter to fuel line (See page 6)
	919063	1	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
7	644876	2	GROMMET, hose protecting
8	622992	3	CLIP, hose supporting
	036032	2	CAPSCREW, 3/8"NF x 7/8"
	904206	2	LOCKWASHER, 3/8"
	911041	2	NUT, 3/8"NF
9	639415	1	ANGLE, hose supporting
10	614478	3	CAPSCREW, 1/2"NF x 1-3/8"
	904208	3	LOCKWASHER, 1/2"
	911043	3	NUT, 1/2"NF
11	630280	1	ANGLE, hose supporting
12	-----	-	See FUEL LINES for shut-off valve and fittings



ITEM	PART NO.	QTY.	DESCRIPTION
1	4357429	1	BRACKET, filter mounting
	914392	4	CAPSCREW, 5/16"NC x 1"
	904205	4	LOCKWASHER, 5/16"
2	4025229	2	BASE ASSEMBLY, fuel filter (Includes insert which is not serviced separately)
	919134	2	PLUG, pipe, hex-hd., 1/8"NPT
	916197	4	CAPSCREW, 7/16"NC x 1-1/4"
	904207	4	LOCKWASHER, 7/16"
	912201	4	NUT, 7/16"NC
3	923934	2	O-RING, filter element
4	4025230	2	ELEMENT, fuel filter (Includes item 3)
5	4354393	1	TUBE ASSEMBLY, fuel inlet (Includes NUTS and SLEEVES indented below)
	917810	2	NUT, Imperial, 3/8" tube
	917807	2	SLEEVE, Imperial, 3/8" tube
	919005	1	ELBOW, Imperial, 3/8" tube, 3/8"NPT male
	4354394	1	TEE, Imperial, 3/8" tube, 3/8"NPT male end and side
6	4354391	1	TUBE ASSEMBLY, fuel outlet (Includes NUTS and SLEEVES indented below)
	917810	2	NUT, Imperial, 3/8" tube
	917807	2	SLEEVE, Imperial, 3/8" tube
	919005	1	ELBOW, Imperial, 3/8" tube, 3/8"NPT male
	4354394	1	TEE, Imperial, 3/8" tube, 3/8"NPT male end and side
7	4357430	1	HOSE, filter to pump (See page 6)
	923979	1	CONNECTOR, flare type, 3/8" tube, 3/8"NPT female
	919135	1	ELBOW, flare type, 3/8" tube, 1/4"NPT male
8	4255010	1	CLAMP, hose supporting

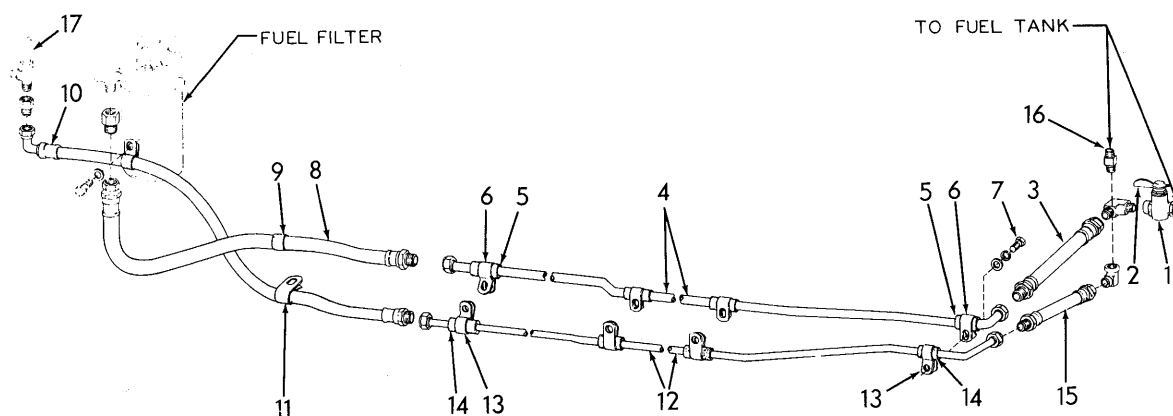


T-13161

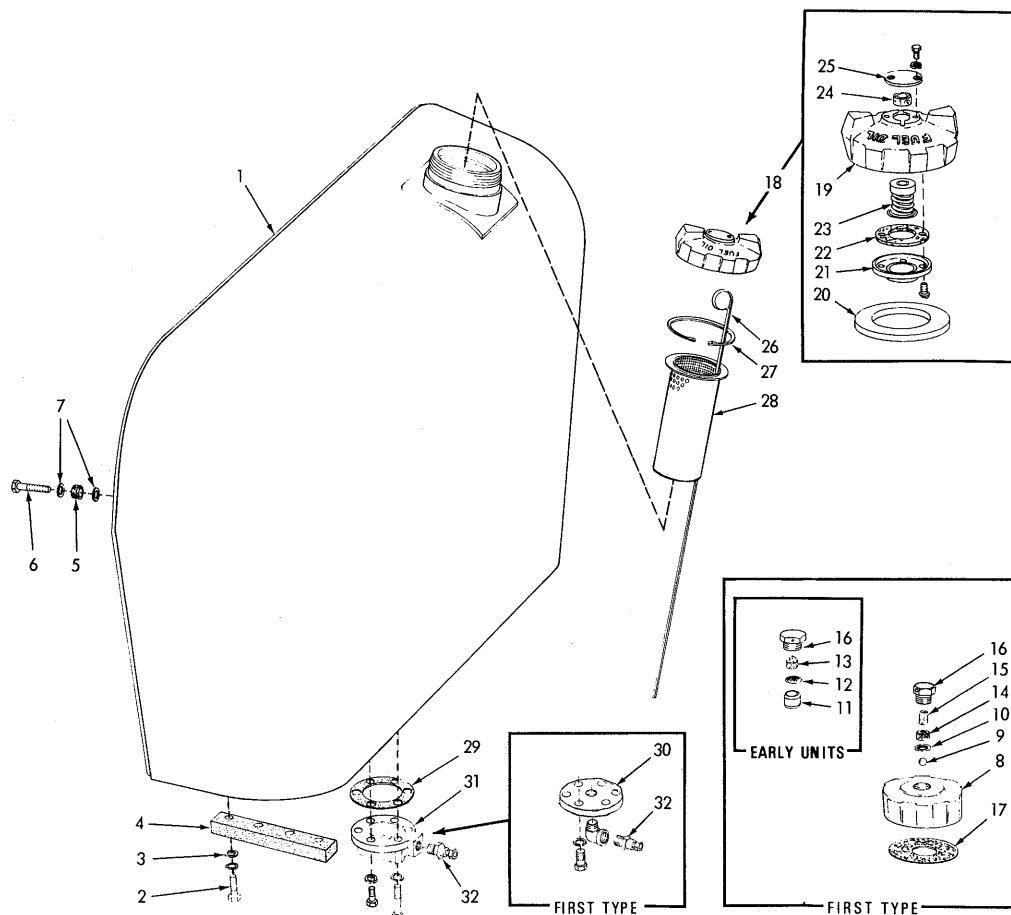
OIL COOLER

USAGE: Engines serial No. 11-18273 and up also No. 10-14953 and up

ITEM	PART NO.	QTY.	DESCRIPTION
1	4336596-4	1	COOLER, lubricating oil
	0912069-2	8	CAPSCREW, 3/8"NC x 2-1/2"
	0904206-0	8	LOCKWASHER, 3/8"
2	4349984-7	2	GASKET, oil cooler
3	4348099-8	1	CONNECTION, water outlet
	0919227-9	2	CAPSCREW, 3/8"NC x 3-1/4"
	0918778-1	2	CAPSCREW, 3/8"NC x 4-3/4"
	0904206-0	4	LOCKWASHER, 3/8"
4	4348184-5	1	☐ GASKET, water outlet
5	4348100-1	1	CONNECTION, water inlet
	0916273-6	2	CAPSCREW, 3/8"NC x 1-3/4"
	0904206-0	2	LOCKWASHER, 3/8"
6	4348185-2	1	☐ GASKET, water inlet
7	4506737-8	1	HOSE, water pump to cooler
8	0925758-5	2	CLAMP, hose



ITEM	PART NO.	QTY.	DESCRIPTION
1	092727	1	COCK, fuel shut-off (Includes item 2)
2	082189	1	HANDLE, fuel shut-off cock
3	650967	1	HOSE, fuel supply line, rear (See page 6)(Not used when special Heavy-duty Fuel Filter is installed)
	919206	1	ELBOW, flare type, 90°, 1/2" tube, 3/8"NPT male
4	650884	1	TUBE ASSEMBLY, fuel supply line (Includes nuts)
5	093752	4	BOOT, protecting supply tube (rubber)
6	097534	4	CLIP, supporting, supply tube
7	035244	1	CAPSCREW, 3/8"NC x 3/4"
	904206	1	LOCKWASHER, 3/8"
	911115	1	WASHER, plain, SAE std., 3/8"
8	650764	1	HOSE, fuel supply line, front (See page 6)
	919788	1	CONNECTOR, flare type, 1/2" tube, 3/8"NPT female
9	643932	1	CLIP, fuel supply hose
10	650765	1	HOSE, fuel return line, front (See page 6)
	924649	1	CONNECTOR, flare type, 3/8" tube, 1/8"NPT female
11	637741	2	CLIP, fuel return hose
	901165	1	WASHER, plain, U.S.S. std., 5/16"
12	650883	1	TUBE ASSEMBLY, fuel return line (Includes nuts)
13	055234	4	CLIP, supporting, return tube
14	093751	4	BOOT, protecting, return tube (rubber)
15	648230	1	HOSE, fuel return line, rear (See page 6)
	921852	1	ELBOW, flare type, 90°, 3/8" tube, 1/4"NPT female
16	914378	1	VALVE, shut-off, fuel return line (1/4"NPT ends)
17	-----	-	See INJECTION FUEL RETURN LINES



T-72323

FUEL TANK

* Tractors prior to serial No. 13866
 ** Tractors serial No. 13866 and up

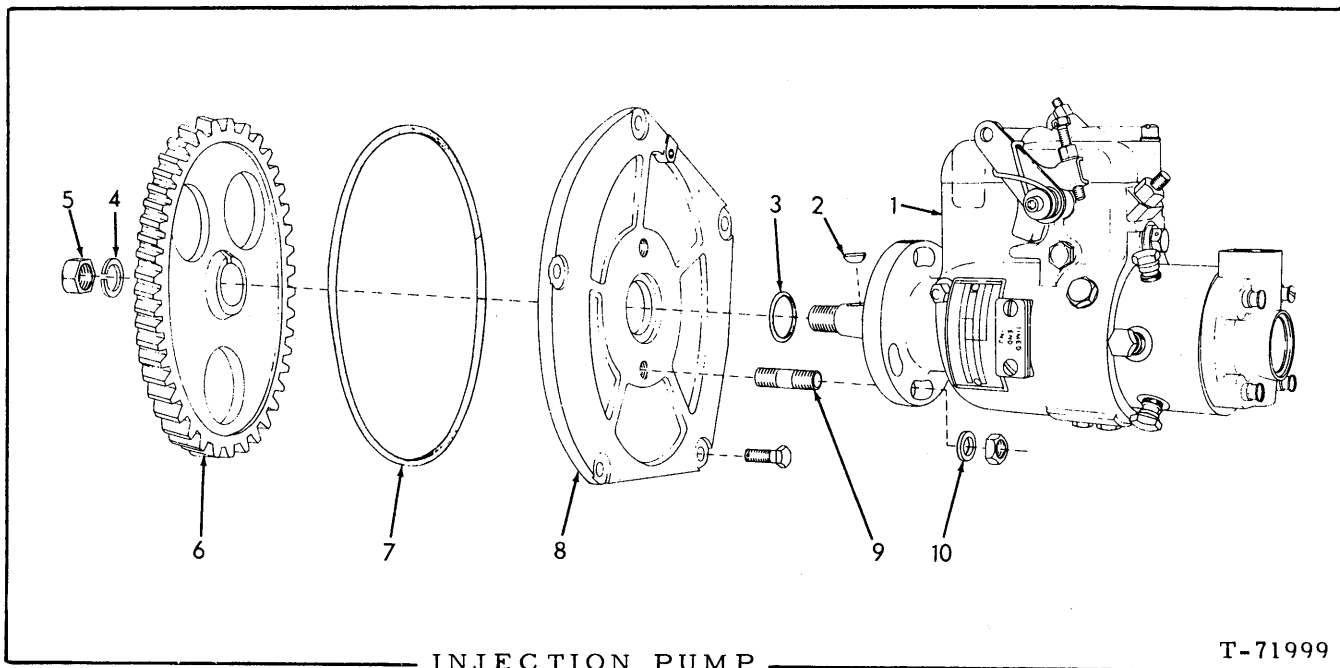
ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	650840	1	1	TANK, fuel
2	916028	8	8	CAPSCREW, 1/2"NF x 1-3/4"
	904208	8	8	LOCKWASHER, 1/2"
3	064531	8	8	WASHER, plain
4	640619	2	2	PAD, fuel tank
5	642441	4	4	SNUBBER, vibration
6	916420	4	4	CAPSCREW, 1/2"NF x 2-1/4"
7	092163	8	8	WASHER, vibration snubber
8	652567	1	-	CAP ASSY., filler (Includes items 9 thru 16)
9	652586	1	-	BALL, check (aluminum)
10	652587	1	-	WASHER, check ball

(Continued)

FUEL TANK (Continued)

ITEM	PART NO.	QTY. * **		DESCRIPTION
11	-----	1	-	SPACER, breather
12	-----	1	-	SCREEN, breather
13	-----	1	-	FILTER, breather
				} FIRST TYPE FILTER. Used prior to tractor #13324. Order items 14 and 15
14	664867	1	-	ELEMENT, breather (lower)
15	664868	1	-	ELEMENT, breather (upper)
				} SECOND TYPE FILTER. Effective with tractor #13324.
16	652590	1	-	BREATHER, fuel tank (Used prior to tractor #13324)
	664866	1	-	BREATHER, fuel tank (Effective with tractor #13324)
17	655416	1	-	GASKET, filler cap
18	668252	-	1	CAP ASSY., fuel tank (Consists of item 19 thru 25)
19	-----	-	1	CAP only (Order item 18)
20	668263	-	1	GASKET, cap
21	668806	-	1	SEAT, relief valve
	926699	-	4	SCREW, fil-hd., brass, #10-24NC x 3/8"
22	668804	-	1	GASKET, valve seat
23	668805	-	1	VALVE ASSY., relief (Serviced only as a unit)
24	664867	-	1	ELEMENT, air filter
25	668262	-	1	COVER, tank cap
	921181	-	2	SCREW ASSY., #10-24NC x 1/2" (Includes lockwasher)
26	053100	1	1	GAUGE, fuel level
27	654840	1	1	RING, snap, fuel strainer
28	650509	1	1	STRAINER, fuel
29	656227	1	1	GASKET, bottom cover
30	656217	1	-	COVER, bottom (Tractors prior to #13664)
	919224	6	-	CAPSCREW, 3/8"NC x 1-1/8"
	904206	6	-	LOCKWASHER, 3/8"
31	662132	1	1	COVER, bottom (Tractors #13664 and up)
	916271	4	4	CAPSCREW, 3/8"NC x 1"
	910948	2	2	CAPSCREW, 3/8"NC x 2"
	904206	6	6	LOCKWASHER, 3/8"
32	633519	1	1	COCK, drain
	901723	1	-	ELBOW, street, 90°, 3/8"NPT (Tractors prior to #13664)

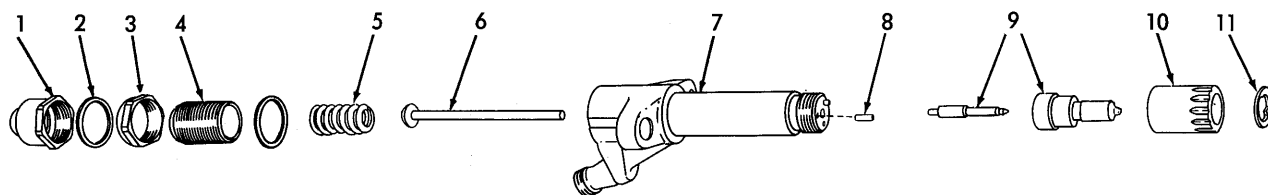
NOTE: See PAINTING AND MARKING for transfers



* Units with turbocharger
 ** Units without turbocharger

ITEM	PART NO.	QTY.		DESCRIPTION	
		*	**		
1	4354378	1	-	PUMP ASSEMBLY, injection	Includes items 2 thru 5. See your Allis-Chalmers dealer for pump service
	4354373	-	1	PUMP ASSEMBLY, injection	
2	910224	1	1	KEY, #6 woodruff, 5/32" x 5/8"	
3	4048596	1	1	SEAL, pump mounting	
4	4048598	1	1	LOCKWASHER, gear retaining	
5	4048597	1	1	NUT, gear retaining	
6	4339851	1	-	GEAR, pump drive	
	4354362	-	1	GEAR, pump drive	
7	924139	1	1	O-RING, pump mounting cover	
8	4354954	1	1	COVER, pump mounting	
	920473	5	5	CAPSCREW, Nylok, 3/8"NC x 3/4"	
9	4344938	2	2	STUD, pump attaching	
	910123	2	2	NUT, 3/8"NF	
10	4371718	2	2	WASHER, serrated	

□ Also see PACKAGED PARTS



INJECTION NOZZLE HOLDER ASSEMBLY 4338804

T-33500

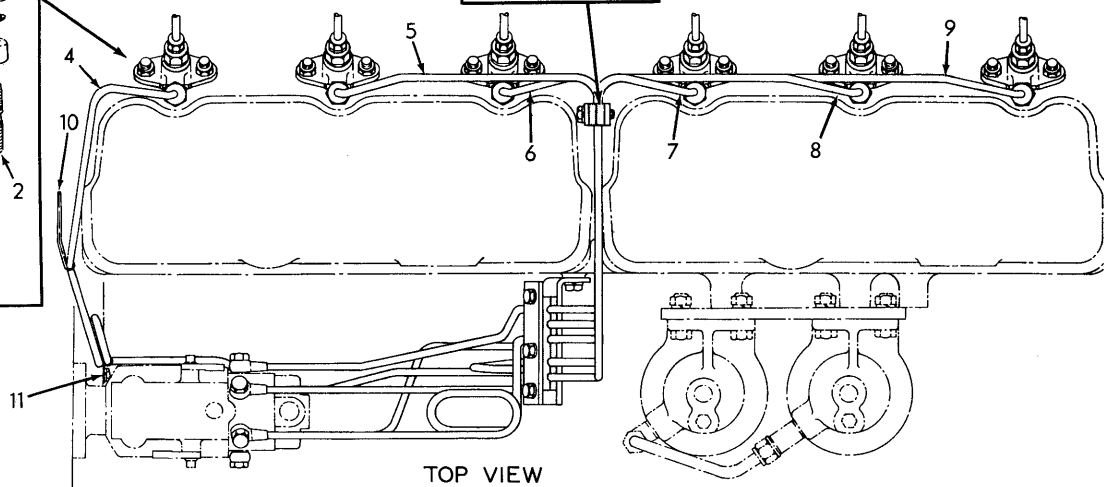
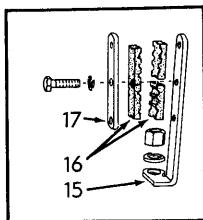
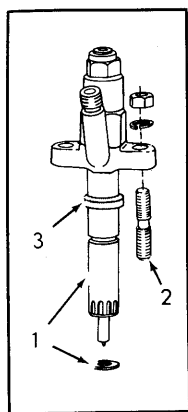
USAGE: See page 51

ITEM PART NO. QTY. DESCRIPTION

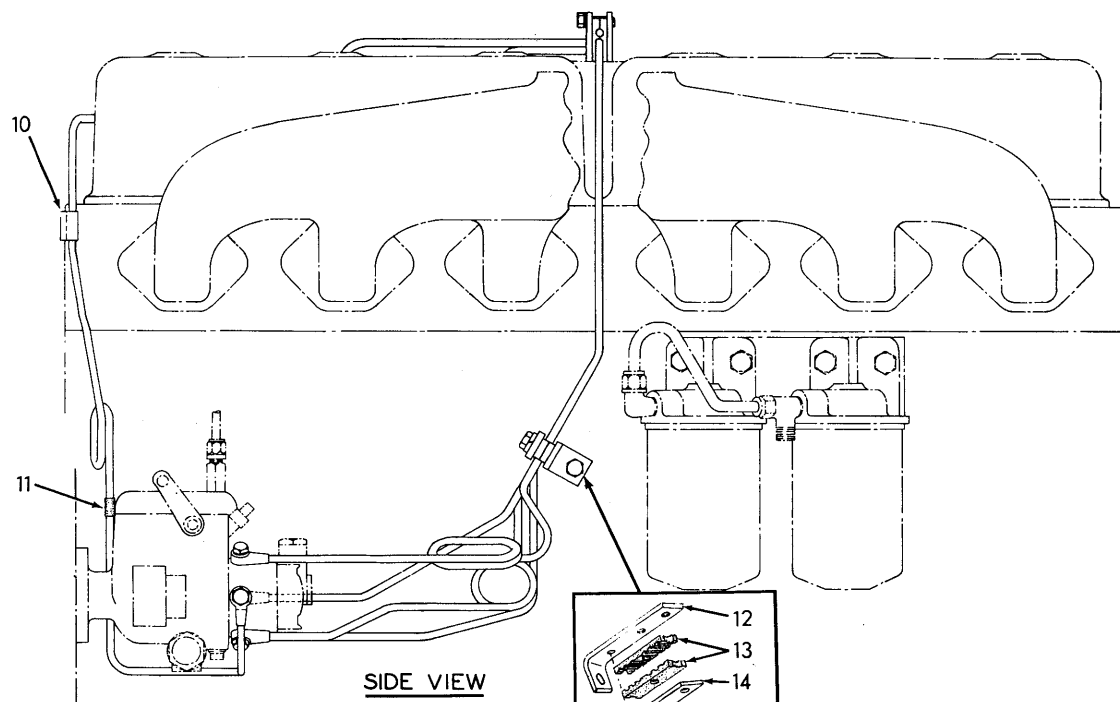
NOTE: Quantities indicated are for one (1) Holder Assembly only

1	4378032	1	NUT, cap
2	4511243	2	GASKET, cap nut
3	4511213	1	NUT, locking
4	4378033	1	SCREW, adjusting
5	4380652	1	SPRING
6	4380656	1	ROD, spindle
7	-----	1	BODY (Not serviced separately)
8	922943	2	PIN, nozzle locating
9	4338803	1	NOZZLE ASSEMBLY (Includes item 11)
10	4380662	1	NUT, nozzle retaining
11	4378031	1	□GASKET, nozzle holder

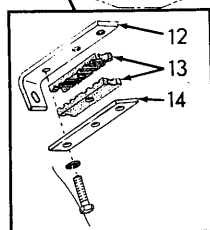
□Also see PACKAGED PARTS



TOP VIEW

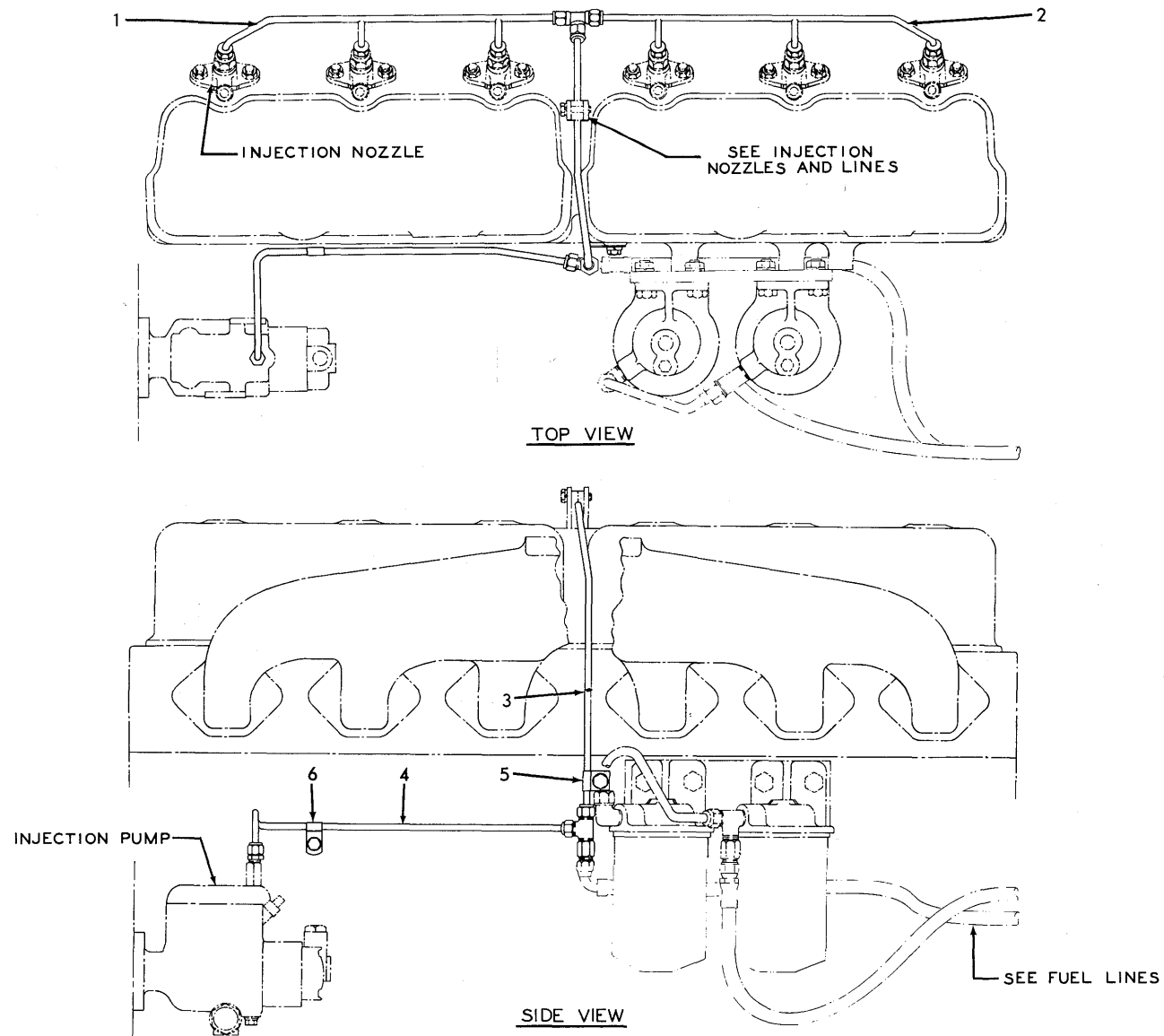


SIDE VIEW



INJECTION NOZZLES AND LINES

ITEM	PART NO.	QTY.	DESCRIPTION
1	4338804	6	HOLDER ASSEMBLY, injection nozzle (See page 49 for parts)
2	4336209	12	STUD, injection nozzle holder
	910123	12	NUT, 3/8"NF
	904206	12	LOCKWASHER, 3/8"
3	4025385	12	SHIELD, dirt
4	4357434	1	TUBE, fuel injection (#1 cylinder)
5	4339559	1	TUBE, fuel injection (#2 cylinder)
6	4339560	1	TUBE, fuel injection (#3 cylinder)
7	4339561	1	TUBE, fuel injection (#4 cylinder)
8	4339562	1	TUBE, fuel injection (#5 cylinder)
9	4339563	1	TUBE, fuel injection (#6 cylinder)
10	4339207	1	CLIP, injection tube (#1 cylinder)
11	4354831	1	CLIP, injection tube (#1 cylinder)
	916284	1	CAPSCREW, 1/4"NC x 1/2"
	904204	1	LOCKWASHER, 1/4"
12	4339712	1	BRACKET, tube supporting, lower
	915809	1	CAPSCREW, 5/16"NC x 3/4"
	904205	1	LOCKWASHER, 5/16"
13	4336532	2	SPACER, injection tubes, lower
14	4336531	1	PLATE, clamping, injection tubes, lower
	914670	3	CAPSCREW, 5/16"NC x 1-1/8"
	904205	3	LOCKWASHER, 5/16"
15	4336249	1	BRACKET, tube supporting, upper
	910195	1	NUT, 1/2"NF
	904208	1	LOCKWASHER, 1/2"
16	4507359	4	SPACER, injection tubes, upper
17	4336250	1	CLAMP, injection tubes, upper
	914670	3	CAPSCREW, 5/16"NC x 1-1/8"
	904205	3	LOCKWASHER, 5/16"

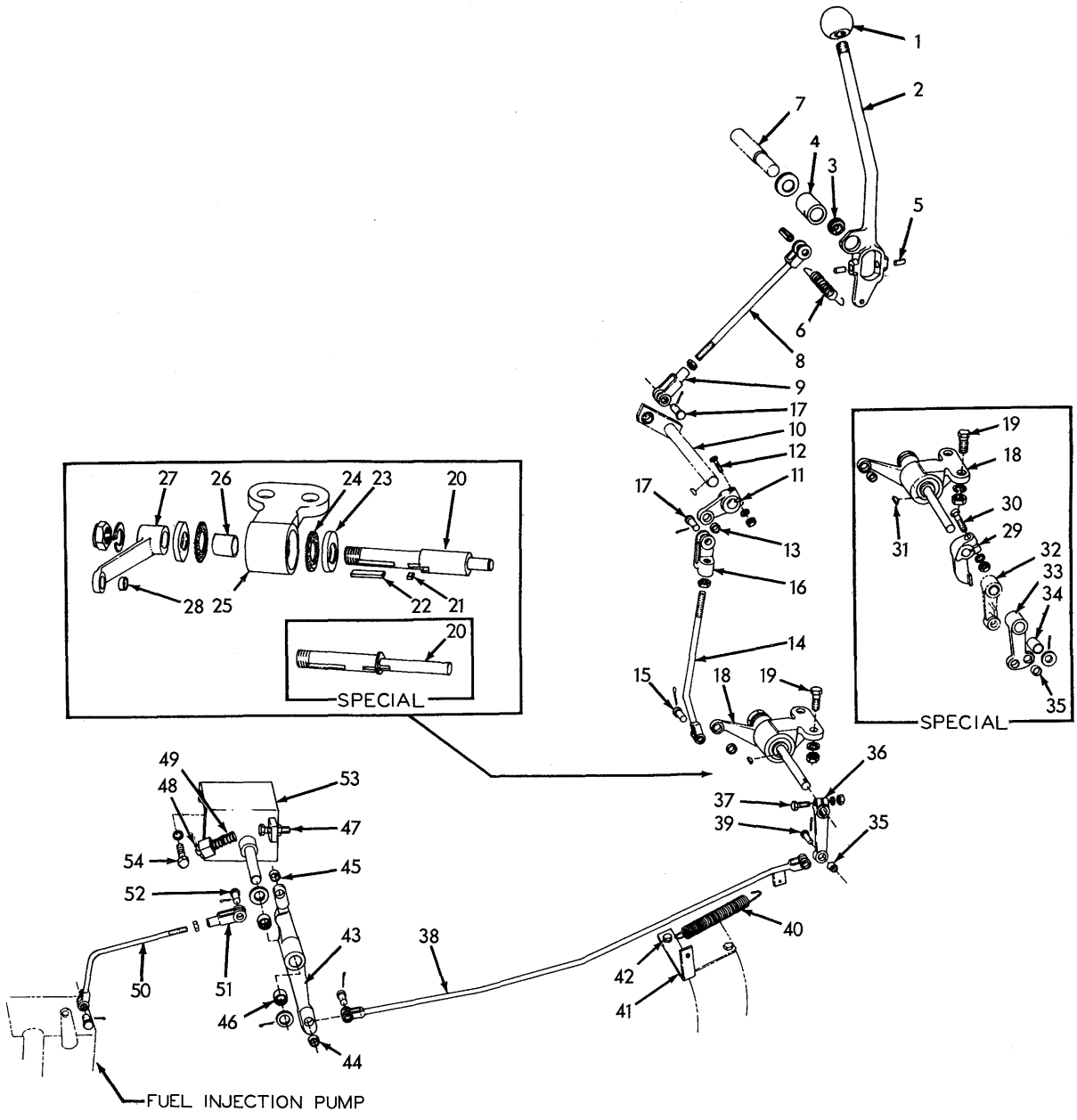


INJECTION FUEL RETURN LINES

T-71997

INJECTION FUEL RETURN LINES

ITEM	PART NO.	QTY.	DESCRIPTION
1	4336546	1	MANIFOLD ASSEMBLY, front (Includes NUTS and SLEEVES indented below)
	917809	4	NUT, Imperial, 1/4" tube
	917806	4	SLEEVE, Imperial, 1/4" tube
	919800	3	CONNECTOR, Imperial, 1/4" tube, 1/8"NPT male
2	4336547	1	MANIFOLD ASSEMBLY, rear (Includes NUTS and SLEEVES indented below)
	917809	4	NUT, Imperial, 1/4" tube
	917806	4	SLEEVE, Imperial, 1/4" tube
	919800	3	CONNECTOR, Imperial, 1/4" tube, 1/8"NPT male
3	4339691	1	TUBE ASSEMBLY, manifold return (Includes NUTS and SLEEVES indented below)
	917809	2	NUT, Imperial, 1/4" tube
	917806	2	SLEEVE, Imperial, 1/4" tube
	919797	1	TEE, union, Imperial, 1/4" tube
	920411	1	TEE, service, Imperial, 1/4" tube, 1/8"NPT male
4	4339689	1	TUBE ASSEMBLY, pump return (Includes NUTS and SLEEVES indented below)
	917809	2	NUT, Imperial, 1/4" tube
	917806	2	SLEEVE, Imperial, 1/4" tube
	919800	1	CONNECTOR, Imperial, 1/4" tube, 1/8"NPT male
5	4339949	1	CLAMP, manifold return tube
	916277	1	CAPSCREW, 5/16"NC x 5/8"
	904205	1	LOCKWASHER, 5/16"
6	4253435	1	CLAMP, pump return tube
	916277	1	CAPSCREW, 5/16"NC x 5/8"
	904205	1	LOCKWASHER, 5/16"



THROTTLE CONTROL

USAGE: Tractors prior to serial No. 13368. For superseding design, see page 7 of Supplement No. 1.

* Standard equipment
 ** Special. For units equipped with special engine decelerator

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	091862	1	1	KNOB, throttle lever
2	650767	1	1	LEVER ASSEMBLY, throttle (Includes item 3)
3	650712	1	1	BEARING, throttle lever (spherical)
4	650683	1	1	SLEEVE, throttle lever
	913289	1	1	WASHER, plain, U.S. std., 9/16"
5	650766	2	2	PIN, throttle lever
6	650726	1	1	SPRING, throttle lever
7	-----	-	-	SHAFT, operating lever (See STEERING LEVERS AND LINKAGE)
8	628189	1	1	ROD, upper
	916986	1	1	PIN, roll, 3/8"
	911048	1	1	NUT, jam, 3/8"NF
9	628736	1	1	YOKE, upper rod
10	-----	-	-	LEVER, operating (See STEERING LEVERS AND LINKAGE)
11	630836	1	1	LEVER ASSEMBLY, upper intermediate rod (Includes item 13)
	905123	1	1	KEY, #9 woodruff, 3/16" x 3/4"
12	046419	1	1	CAPSCREW, 3/8"NF x 2"
	904206	1	1	LOCKWASHER, 3/8"
	911041	1	1	NUT, 3/8"NF
13	624584	1	1	BUSHING, lever, upper intermediate rod
14	657352	1	1	ROD, intermediate, upper
	911048	1	1	NUT, jam, 3/8"NF
15	078810	1	1	PIN, yoke, upper intermediate rod
	900942	1	1	PIN, cotter, 3/32" x 5/8"
16	634074	1	1	YOKE, intermediate upper rod
17	078810	2	2	PIN, intermediate upper rod yoke
	900942	2	2	PIN, cotter, 3/32" x 5/8"
18	643898	1	-	FRICITION ASSEMBLY (Consists of items 20 thru 28)
	634087	-	1	FRICITION ASSEMBLY (Consists of items 20 thru 28)
	910244	-	1	WASHER, plain, SAE std., 1/2"
	900806	-	1	PIN, cotter, 1/8" x 1"
19	614478	2	2	CAPSCREW, 1/2"NF x 1-3/8"
	904208	2	2	LOCKWASHER, 1/2"
	911043	2	2	NUT, 1/2"NF

(Continued)

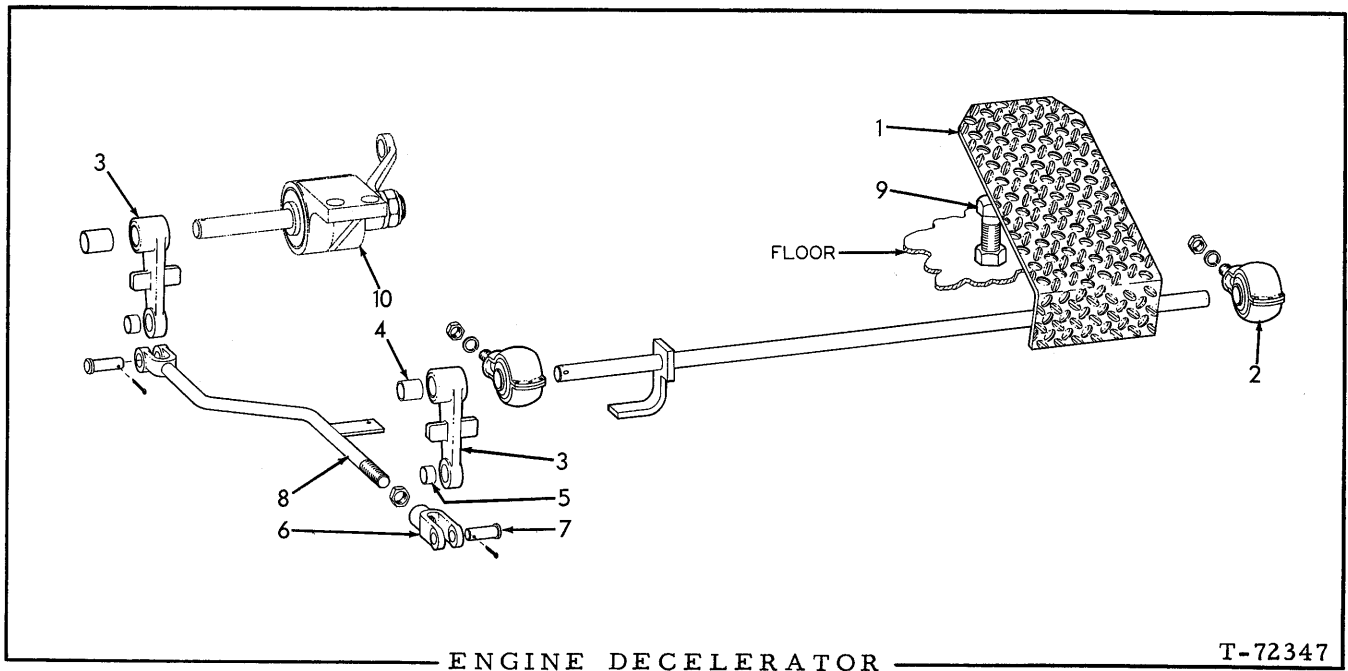
THROTTLE CONTROL (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
20	643897	1	-	SHAFT, throttle levers
	634088	-	1	SHAFT, throttle levers
	904369	1	1	LOCKWASHER, 3/4"
	914452	1	1	NUT, elastic stop, 3/4"
21	632716	1	1	KEY, friction washer (short)
22	916024	1	1	KEY, friction washer and lever (3/16" x 3/16" x 1-1/4")
23	632710	2	2	WASHER, friction
24	632747	2	2	DISC, friction
25	632766	1	1	HOUSING ASSEMBLY, friction (Includes item 26)
26	632752	1	1	BUSHING, friction housing
27	633122	1	1	LEVER ASSEMBLY, friction (Includes item 28)
28	624584	1	1	BUSHING, friction lever
29	633123	-	1	LEVER, friction shaft
30	041981	-	1	CAPSCREW, 5/16"NF x 1-1/2"
	904205	-	1	LOCKWASHER, 5/16"
	913636	-	1	NUT, 5/16"NF
31	632756	-	1	KEY, friction shaft lever
32	-----	-	-	LEVER ASSEMBLY (See ENGINE DECELERATOR)
33	631496	-	1	LEVER ASSEMBLY, intermediate lower rod (Includes items 34 & 35)
34	631476	-	1	BUSHING, intermediate lower rod lever (large)
35	624584	1	2	BUSHING, intermediate lower rod lever (small)
36	633469	1	-	LEVER ASSEMBLY, intermediate lower rod (Includes item 35)
	905119	1	-	KEY, #3 woodruff, 1/8" x 1/2"
37	041981	1	-	CAPSCREW, 5/16"NF x 1-1/2"
	904205	1	-	LOCKWASHER, 5/16"
	913636	1	-	NUT, 5/16"NF
38	650667	1	1	ROD, intermediate, lower
39	078810	2	2	PIN, yoke, lower intermediate rod
	900942	2	2	PIN, cotter, 3/32" x 5/8"
40	043881	-	1	SPRING, intermediate lower rod
41	634072	-	1	BRACKET, intermediate lower rod spring
42	034964	-	2	CAPSCREW, 1/4"NC x 3/4" }
	904204	-	2	LOCKWASHER, 1/4" }
				Also attach timing hole cover
43	650740	1	1	LEVER ASSEMBLY, lower rod (Includes items 44 and 45)
44	624584	1	1	BUSHING, lower rod lever (large)
45	624585	1	1	BUSHING, lower rod lever (small)

(Continued)

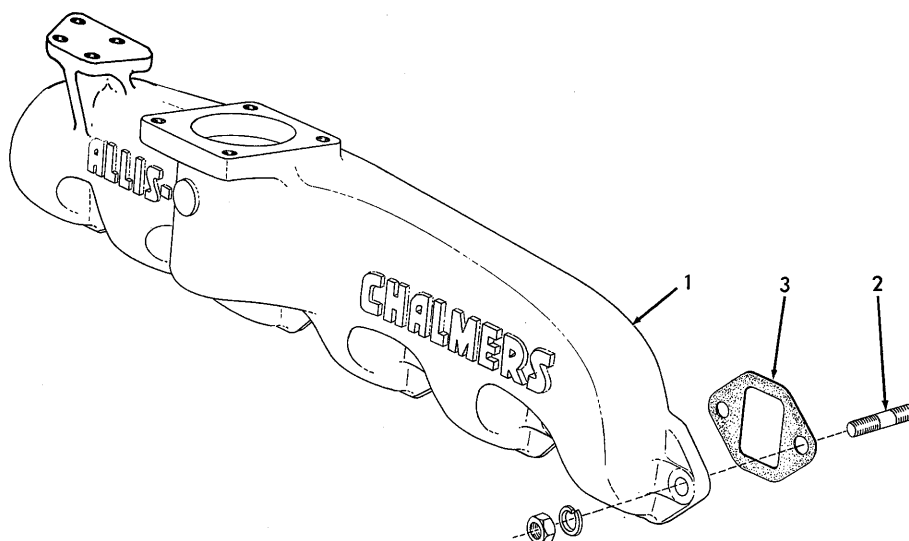
THROTTLE CONTROL (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
46	043021	2	2	BEARING, needle, lower rod lever
	096921	2	2	SEAL, bearing
47	634650	1	1	CAPSCREW, lever stop (3/8"NC x 1-1/2")
	911034	1	1	NUT, jam, 3/8"NC
48	651001	1	1	PIN, lever stop
	916202	1	1	PIN, roll, 1/8" x 7/8"
49	650999	1	1	SPRING, lever stop pin
50	650686	1	1	ROD, lower
	910267	1	1	NUT, jam, 1/4"NF
51	628737	1	1	YOKE, lower rod
52	628738	2	2	PIN, lower rod
	900970	2	2	PIN, cotter, 1/16" x 1/2"
53	651005	1	1	BRACKET, supporting, control linkage
54	035439	2	2	CAPSCREW, 3/8"NC x 1"
	904206	2	2	LOCKWASHER, 3/8"
	910244	2	2	WASHER, plain, SAE std., 1/2"
	900806	1	1	PIN, cotter, 1/8" x 1"



USAGE: Special equipment

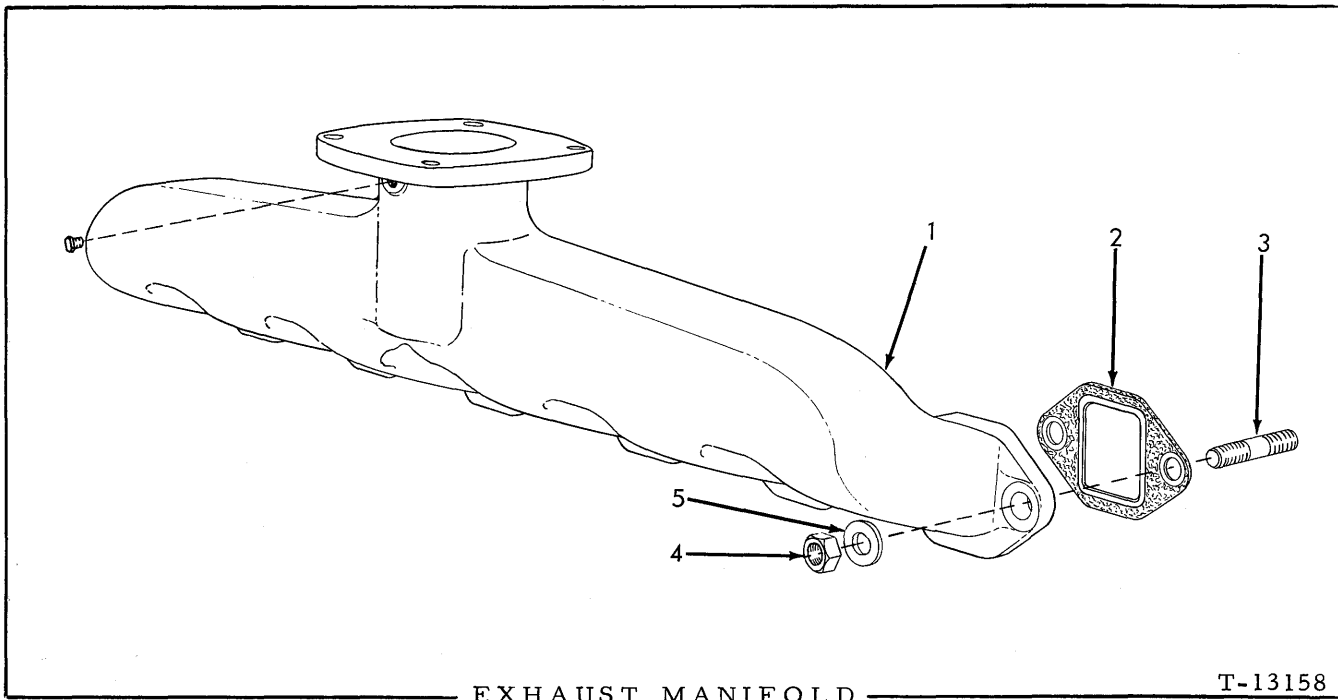
ITEM	PART NO.	QTY.	DESCRIPTION
1	650681	1	PEDAL
	910244	1	WASHER, plain, SAE std., 1/2"
	900806	1	PIN, cotter, 1/8" x 1"
2	651002	2	BEARING, pedal (Includes FITTING)
	904205	2	LOCKWASHER, 5/16"
	911025	2	NUT, 5/16"NC
3	631498	2	LEVER ASSEMBLY (Includes items 4 and 5)
4	631476	2	BUSHING, lever (7/8" O. D.)
5	624584	2	BUSHING, lever (1/2" O. D.)
6	628736	1	YOKE, lever rod
7	078810	2	PIN, yoke, lever rod
	900942	2	PIN, cotter, 3/32" x 5/8"
8	650594	1	ROD, lever
	911048	1	NUT, 3/8"NF
9	648477	1	CAPSCREW, pedal stop
	911035	1	NUT, jam, 1/2"NC
10	-----	-	FRIC TION ASSEMBLY (See THROTTLE CONTROL)



INTAKE MANIFOLD

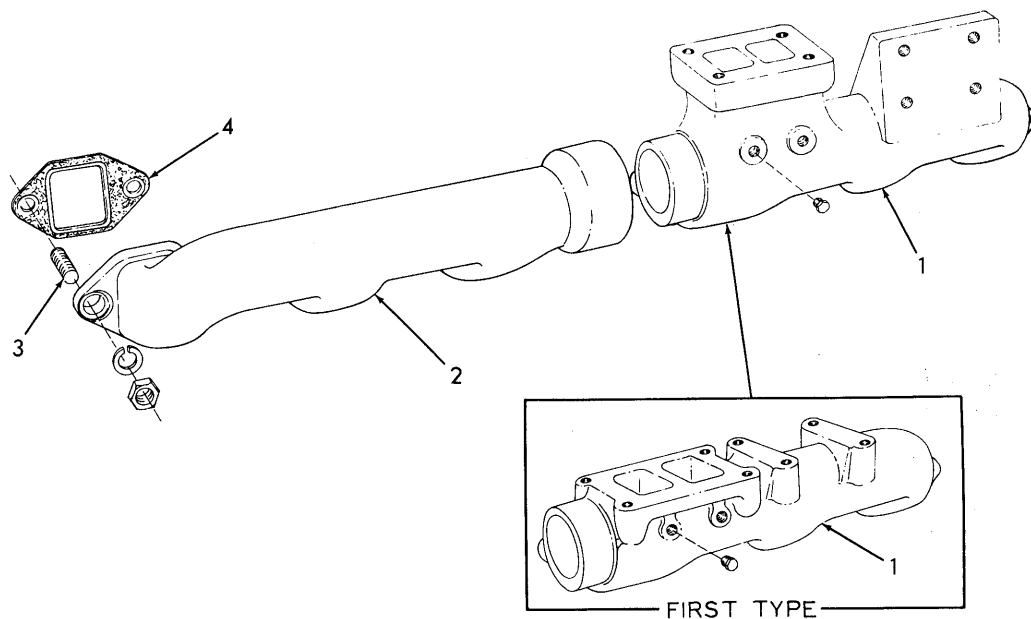
T-13157

ITEM	PART NO.	QTY.	DESCRIPTION
1	4338684	1	MANIFOLD, intake
2	4339378	2	STUD, intake manifold (2-1/2" long)(For units with turbocharger only)
	4346208	10	STUD, intake manifold (2-1/8" long)(Additional 2 used on units without turbocharger)
	904208	12	LOCKWASHER, 1/2"
	910325	12	NUT, 1/2"NC
3	4346138	6	□GASKET, intake manifold
			□Also see PACKAGED PARTS



USAGE: For units without turbocharger

ITEM	PART NO.	QTY.	DESCRIPTION
1	4339515	1	MANIFOLD, exhaust
	919840	1	PLUG, pipe, hex-hd., 1/4"NPT
2	4338511	6	GASKET, exhaust manifold
3	4346208	12	STUD, exhaust manifold
4	4253270	12	NUT, manifold stud
5	4371107	12	WASHER, plain, manifold stud nut



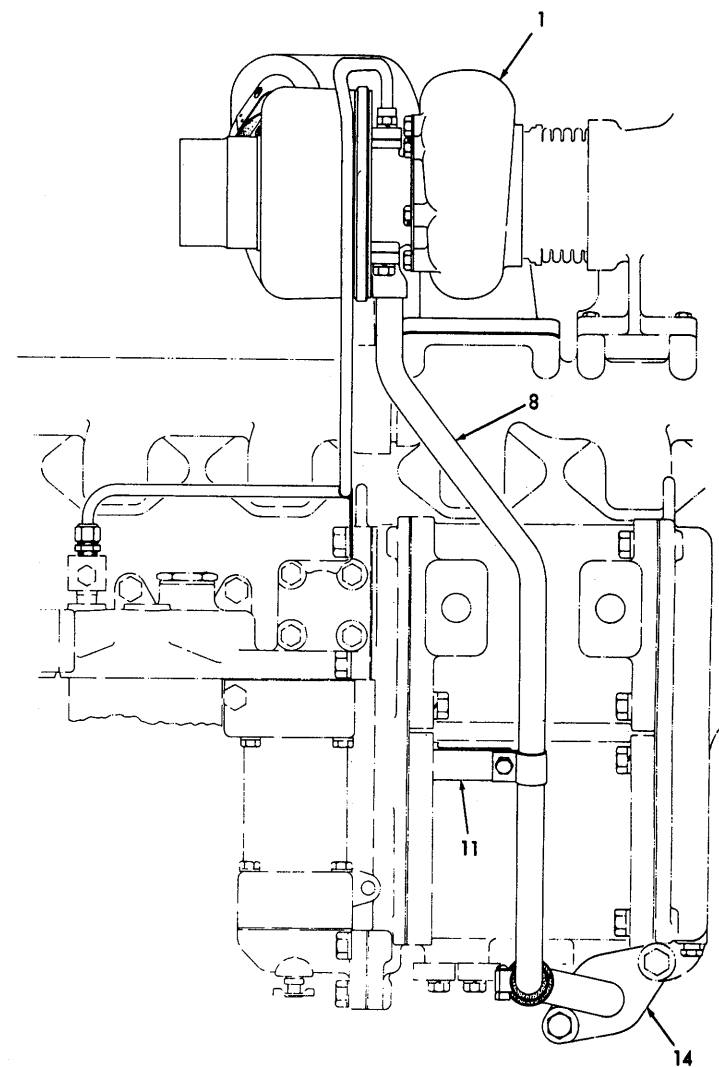
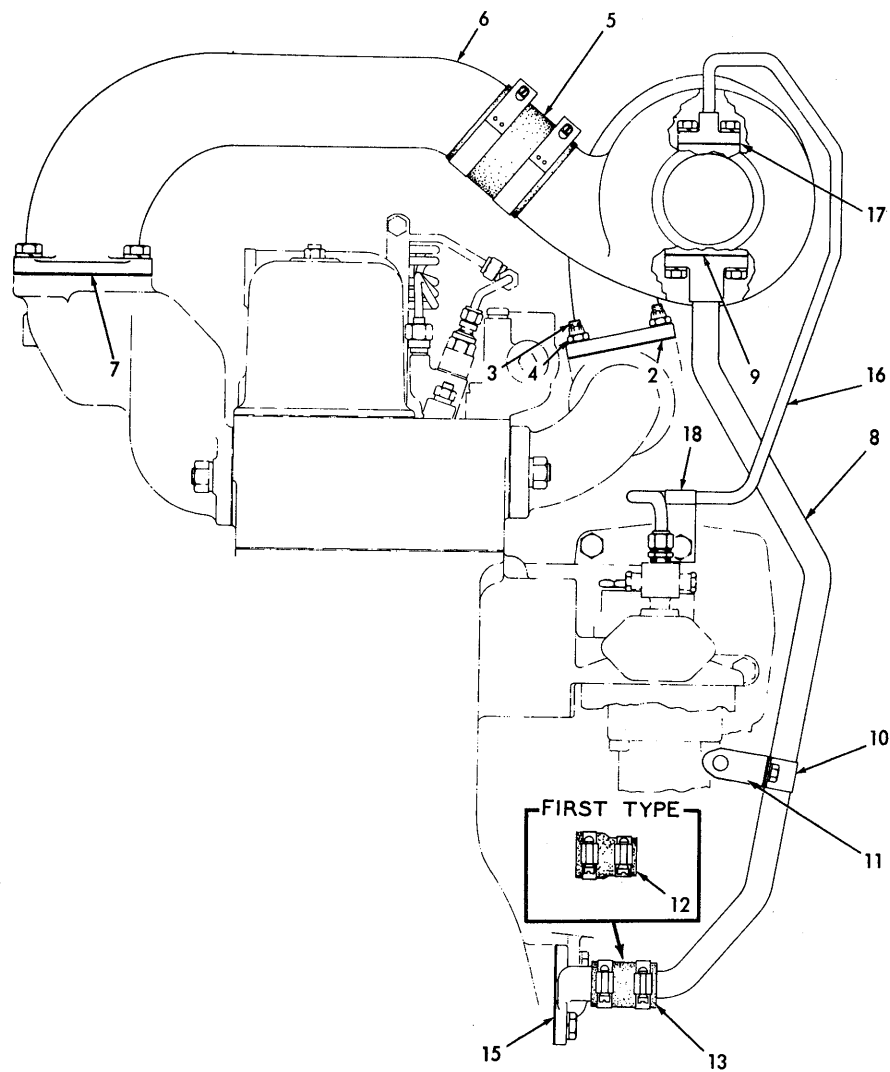
EXHAUST MANIFOLD

T-41856

USAGE: For units equipped with turbocharger

ITEM	PART NO.	QTY.	DESCRIPTION
1	4339511-0	1	MANIFOLD, front (Engines prior to #11-17140)
	4359206-2	1	MANIFOLD, front (Engines #11-17140 and up)
	0919840-9	2	PLUG, pipe, hex-hd., 1/4"NPT
2	4335623-7	1	MANIFOLD, rear
3	4346208-4	12	STUD, exhaust manifold
	0904208-6	12	LOCKWASHER, 1/2"
	4253270-5	12	NUT, manifold stud
4	4338511-1	6	GASKET, exhaust manifold

(Revised April 1971)



TURBOCHARGER (First Type)

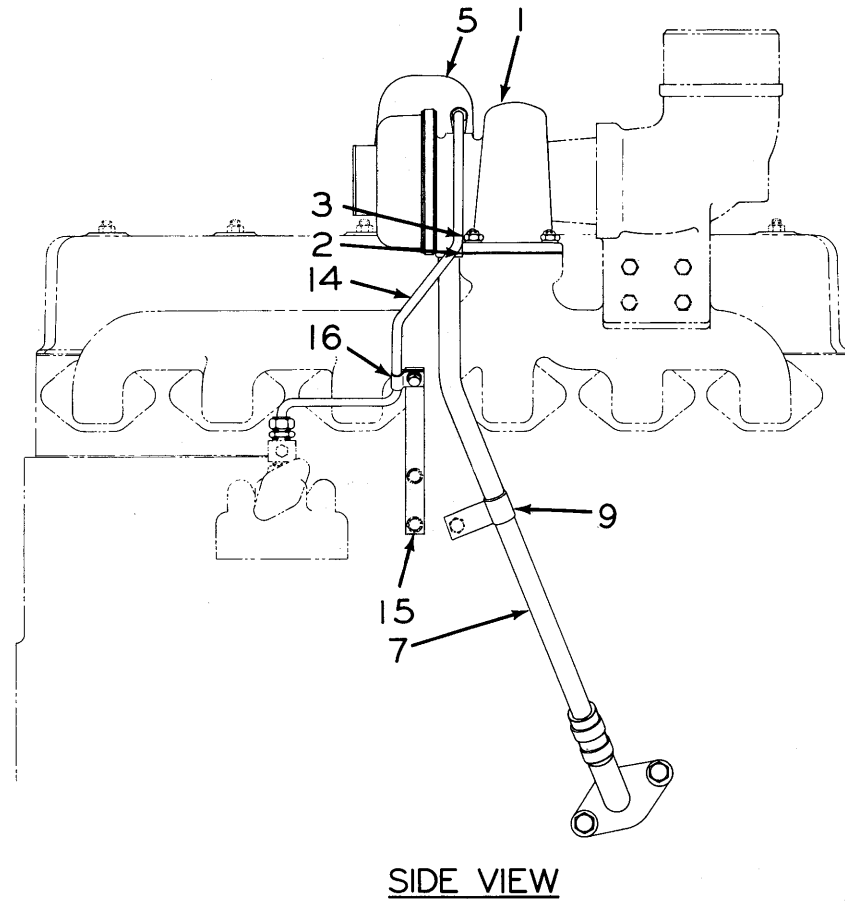
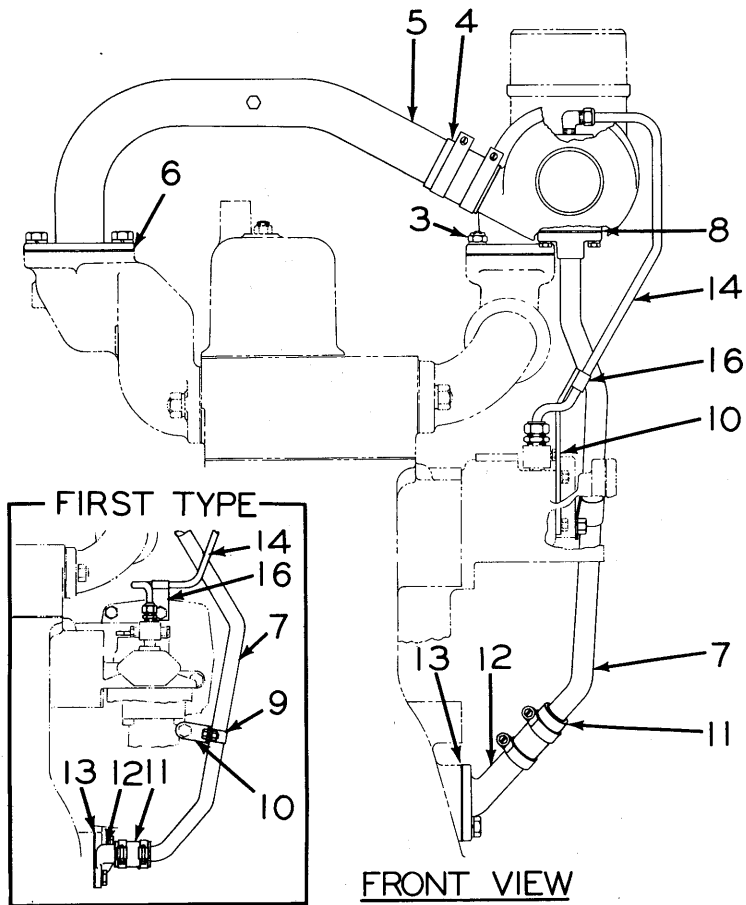
T-70430

TURBOCHARGER
(Model TE-06)

USAGE: Engines prior to serial No. 11-17140

ITEM	PART NO.	QTY.	DESCRIPTION
1	4354698-5	1	TURBOCHARGER ASSY. (See page 65 for parts)
2	4336558-4	1	□GASKET, turbocharger mounting
3	4339535-9	4	STUD, turbocharger mounting
4	4385387-8	4	NUT, stainless, 3/8"NC
	0913544-3	4	WASHER, plain
5	4388349-5	1	HOSE, air discharge elbow
	4255644-9	2	CLAMP, hose
6	4339585-4	1	ELBOW, air discharge (See ENGINE AIR HEATER for optional Elbow)
	0919840-9	1	PLUG, pipe, hex-hd., 1/4"NPT (Not used when engine primer is installed)
	0919230-3	4	CAPSCREW, 1/2"NC x 1-3/8"
	0904208-6	4	LOCKWASHER, 1/2"
7	4349193-5	1	□GASKET, air discharge elbow
8	4358726-0	1	LINE, oil drain (When required for engines prior to #11-13614 also order item 13)
	0916269-4	2	CAPSCREW, 3/8"NC x 7/8"
	0904206-0	2	LOCKWASHER, 3/8"
9	4339532-6	1	□GASKET, oil drain line
10	4255606-8	1	CLAMP, supporting, oil drain line
	0915809-8	1	CAPSCREW, 5/16"NC x 3/4"
	0904205-2	1	LOCKWASHER, 5/16"
	0910323-5	1	NUT, 5/16"NC
11	4358911-8	1	BRACKET, supporting, oil drain line
12	4379723-2	1	ADAPTOR, oil drain line (rubber)(Used prior to engine #11-13614)
	0921911-4	1	CLAMP, hose, 11/16" to 1-1/4"
	0921912-2	1	CLAMP, hose, 1-1/16" to 2"
13	4358728-4	1	HOSE, oil drain line (Effective with engine #11-13614)
	0921912-2	2	CLAMP, hose, 1-1/16" to 2"
14	4339496-4	1	FLANGE, oil drain line
	0919230-3	1	CAPSCREW, 1/2"NC x 1-3/8"
	0904208-6	1	LOCKWASHER, 1/2"
15	4336436-3	1	GASKET, oil drain line flange
16	4354310-6	1	TUBE ASSY., oil feed (Includes SLEEVE and NUT indented below)
	0917807-0	1	SLEEVE, Imperial, 3/8" tube
	0917810-4	1	NUT, Imperial, 3/8" tube
	0920700-2	1	CONNECTOR, Imperial, 3/8" tube, 3/8"NPT male
	0916269-4	2	CAPSCREW, 3/8"NC x 7/8"
	0904206-0	2	LOCKWASHER, 3/8"
17	4339533-4	1	□GASKET, oil feed tube
18	4375953-9	1	CLAMP, supporting, oil feed tube
19	4339827-0	-	GASKET KIT (Consists of items 2, 7, 9 and 17)(Not illustrated)
			□Components of item 19

(Revised April 1971)



TURBOCHARGER (Model T-04)

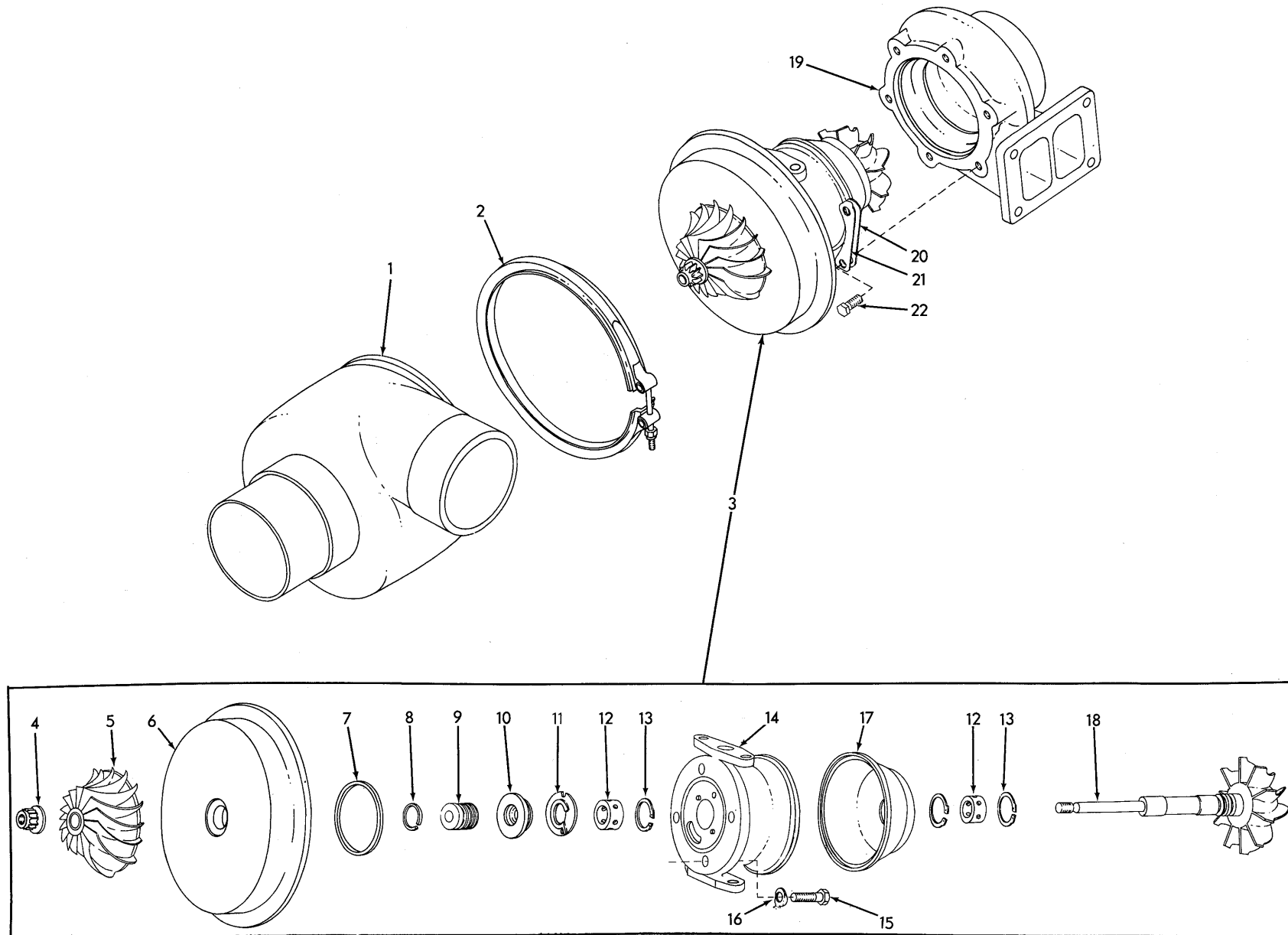
USAGE: Engines serial No. 11-17140 and up

* Engines prior to serial No. 11-18273

** Engines serial No. 11-18273 and up

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	-----	1	1	TURBOCHARGER ASSY. (See page 65A)
2	4359214-6	1	1	GASKET, turbocharger mounting
3	4513701-5	4	4	STUD, turbocharber mounting
	4255977-3	4	4	NUT, stainless, 3/8"NC
	0913544-3	4	4	WASHER, plain
4	4359213-8	1	1	HOSE, air discharge elbow
	0926862-4	2	2	CLAMP, hose
5	4359216-1	1	1	TUBE, air discharge
	0919840-9	1	1	PLUG, pipe, hex-hd., 1/4"NPT (Not used when engine primer is installed)
	0916311-4	4	4	CAPSCREW, 1/2"NC x 1-1/4"
	0904208-6	4	4	LOCKWASHER, 1/2"
6	4349193-5	1	1	GASKET, air discharge elbow
7	4359200-5	1	-	TUBE, oil drain
	4359226-0	-	1	TUBE, oil drain
	0916271-0	2	2	CAPSCREW, 3/8"NC x 1"
	0904206-0	2	2	LOCKWASHER, 3/8"
8	4339532-6	1	1	GASKET, oil drain line
9	4255606-8	1	-	CLAMP, supporting, oil drain line
	4336620-2	-	1	CLAMP, supporting, oil drain line
	0915809-8	1	-	CAPSCREW, 5/16"NC x 3/4"
	0904205-2	1	-	LOCKWASHER, 5/16"
	0910323-5	1	-	NUT, 5/16"NC
10	4358911-8	1	-	BRACKET, supporting, oil drain line
11	4358728-6	1	1	HOSE, oil drain line
	0921912-2	2	2	CLAMP, hose, 1-7/16" diam.
12	4339496-4	1	-	FLANGE, oil drain line
	0919230-1	2	-	CAPSCREW, 1/2"NC x 1-3/8"
	0904208-6	2	-	LOCKWASHER, 1/2"
	4337114-5	-	1	FLANGE, oil drain line
	0916311-4	-	2	CAPSCREW, 1/2"NC x 1-1/4"
	0904208-6	-	2	LOCKWASHER, 1/2"
13	4336436-3	1	1	GASKET, oil drain line flange
14	4359202-1	1	-	TUBE, oil feed
	4359684-0	-	1	TUBE, oil feed
	4338301-7	1	1	SLEEVE (turbo end)
	0917807-0	1	1	SLEEVE, Sealastic, 3/8" tube (filter end)
	0917810-4	2	2	NUT, Sealastic, 3/8" tube
	0920700-2	1	1	CONNECTOR, Sealastic, 3/8" tube, 3/8"NPT male
	0920280-5	1	1	ELBOW, Imperial, 90°, 3/8" tube, 1/4"NPT male
15	4339722-3	-	1	BRACKET, supporting, oil feed tube
16	4375953-9	1	-	CLAMP, supporting, oil feed tube
	4337590-6	-	1	CLAMP, supporting, oil feed tube
	0911169-1	-	1	CAPSCREW, 5/16"NF x 5/8"
	0904205-2	-	1	LOCKWASHER, 5/16"

(Added April 1971)



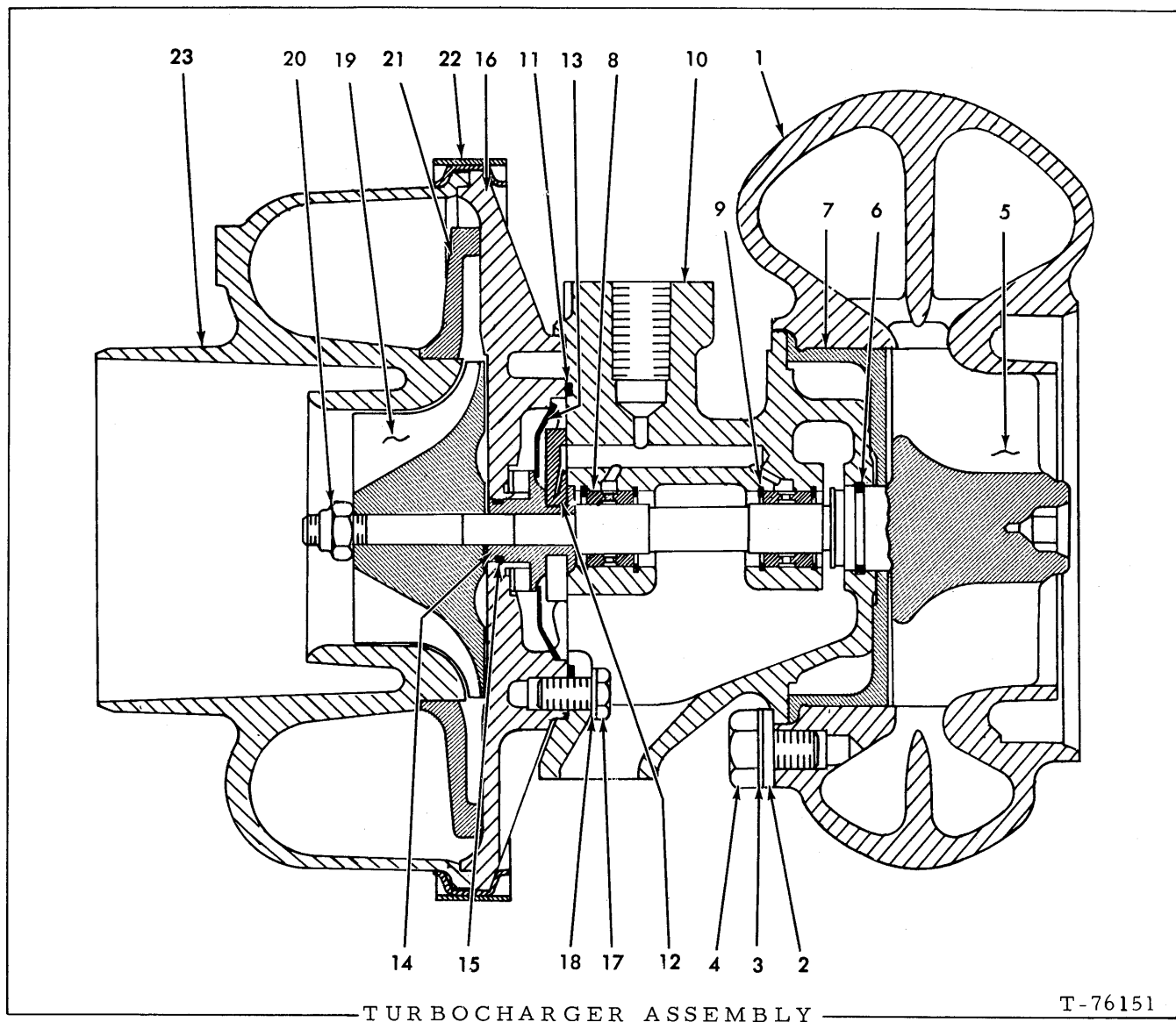
TURBOCHARGER ASSEMBLY 4354698

T-70408

TURBOCHARGER ASSEMBLY 4354698

USAGE: See page 63

ITEM	PART NO.	QTY.	DESCRIPTION
1	4056303	1	HOUSING ASSEMBLY, compressor (Includes impeller shroud and locating pin)
2	4056302	1	COUPLING, compressor housing
3	4059050	1	HOUSING ASSEMBLY, center (Consists of items 4 thru 19)
4	4056291	1	LOCKNUT, impeller retaining
5	4056290	1	IMPELLER, compressor
6	4056292	1	BACKPLATE ASSEMBLY (Includes thrust washer and orifice pin)
7	4056300	1	RING, end plate sealing
8	4055195	1	RING, sealing, turbine wheel shaft, compressor end
9	4056289	1	SPACER, thrust
10	4059029	1	COLLAR, thrust
11	4056294	1	BEARING, thrust
12	4056295	2	BEARING, turbine wheel
13	4056296	3	RING, snap, bearing retaining
14	4059024	1	HOUSING ASSEMBLY, center (Includes dowels)
15	4181061	4	BOLT, backplate attaching
16	4056298	4	LOCKPLATE, back plate attaching bolt
17	4056293	1	SHROUD, heat, turbine end
18	4059049	1	WHEEL, turbine
19	4059051	1	HOUSING, turbine
20	4056306	3	PLATE, clamp, center housing
21	4056305	3	LOCKPLATE, clamp plate bolt
22	4056314	3	BOLT, clamp plate (3/8"NC x 5/8")



USAGE: See page 63B

ITEM	PART NO.	QTY.	DESCRIPTION
-	4359212-0	-	TURBOCHARGER ASSY.
1	4060014-0	1	HOUSING, turbine
2	4059990-4	3	CLAMP
3	4059991-2	3	LOCKPLATE, turbine housing bolts
4	4059998-7	6	BOLT, turbine housing
5	4060011-6	1	SHAFT AND TURBINE WHEEL
6	4059985-4	1	RING, sealing, turbine wheel shaft
7	4059997-9	1	SHROUD, turbine housing

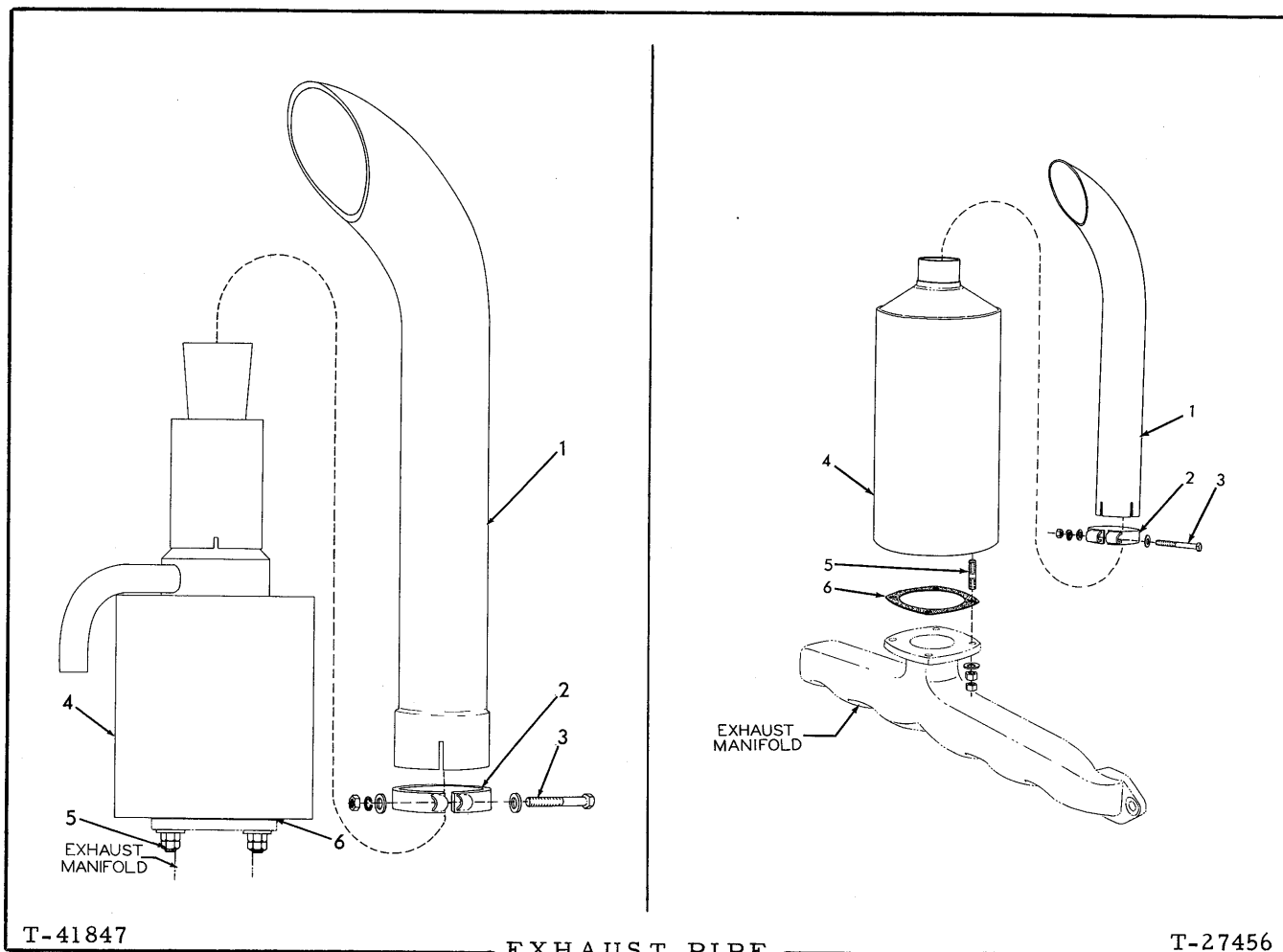
(Continued)

(Added April 1971)

TURBOCHARGER ASSEMBLY (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
8	4059996-1	2	BEARING, turbine shaft
9	4059989-6	4	RING, snap, bearing retaining
10	4059999-5	1	HOUSING ASSY., center (Includes PIN indented below)
	4060000-9	2	PIN, spring, stainless, 3/32" x 1/4"
11	4056300-9	1	RING, sealing, compressor housing
12	4059986-2	1	BEARING, thrust
13	4059987-0	1	SPRING, thrust bearing
14	4059988-8	1	COLLAR, thrust
15	4059984-7	1	RING, sealing, thrust collar
16	4059994-6	1	BACKPLATE, compressor housing
17	4181061-5	4	BOLT, attaching
18	4059992-0	2	LOCKPLATE
19	4060006-6	1	WHEEL, compressor
20	4059993-8	1	NUT, turbine shaft
21	4060003-3	1	DIFFUSER, discharge air
22	4059995-3	1	COUPLING, V-band (Includes clamping screw)
23	4060009-0	1	HOUSING, compressor

(Added April 1971)

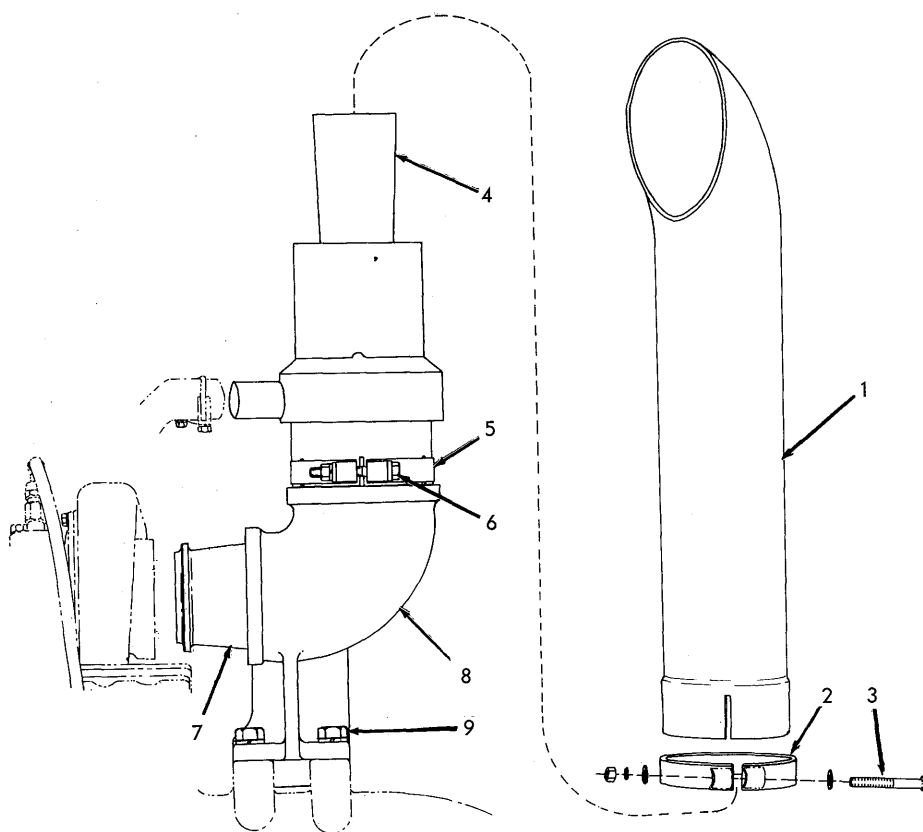


USAGE: Units without turbocharger. Tractors prior to serial No. 13368. For superseding design, see page 10 of Supplement No. 1.

*Units with standard dry-type air cleaner

**Units with optional oil-bath air cleaner

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	638287	1	-	PIPE, exhaust
	620332	-	1	PIPE, exhaust
2	646078	1	-	CLAMP, exhaust pipe
	084887	-	1	CLAMP, exhaust pipe
3	051897	1	1	CAPSCREW, 3/8"NF x 3"
	900817	2	2	WASHER, plain, U.S. std., 3/8"
	904206	1	1	LOCKWASHER, 3/8"
	911041	1	1	NUT, 3/8"NF
4	634273	1	-	ASPIRATOR, air cleaner
	087748	-	1	MUFFLER, exhaust
5	4339378	4	4	STUD
	099376	4	4	WASHER, plain
	917260	8	8	NUT, brass, 1/2"NC
6	4366244	1	1	GASKET, exhaust flange



EXHAUST PIPE

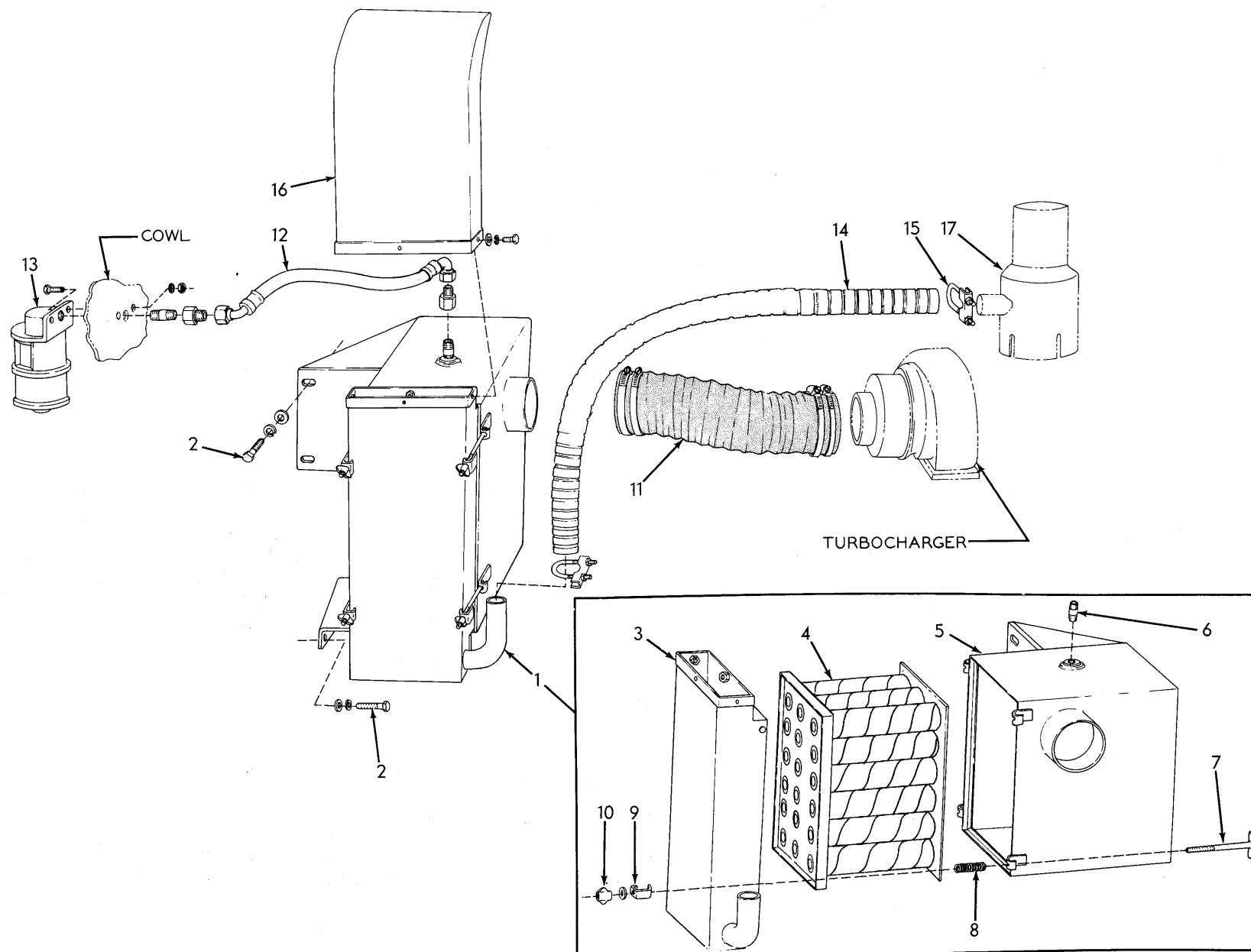
T-41846

USAGE: Units with turbocharger. Tractors prior to serial No. 13368. For superseding design, see page 11 of Supplement No. 1.

* Units with standard dry-type air cleaner

** Units with optional oil-bath air cleaner

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	644045	1	-	PIPE, exhaust
	656660	-	1	PIPE, exhaust
2	644001	1	-	CLAMP, exhaust pipe
	638922	-	1	CLAMP, exhaust pipe
3	051897	1	1	CAPSCREW, 3/8"NF x 3"
	900817	2	2	WASHER, plain, U.S. std., 3/8"
	904206	1	1	LOCKWASHER, 3/8"
	911041	1	1	NUT, 3/8"NF
4	651354	1	-	ASPIRATOR, air cleaner
5	644001	1	-	CLAMP, air cleaner aspirator
6	051897	1	-	CAPSCREW, 3/8"NF x 3"
	900817	2	-	WASHER, plain, U.S. std., 3/8"
	904206	1	-	LOCKWASHER, 3/8"
	911041	1	-	NUT, 3/8"NF
7	4354714	1	1	DIFFUSER, exhaust
8	4354821	1	1	DIFFUSER, exhaust elbow
9	4255003	4	4	CAPSCREW, stainless steel, 3/8"NC x 1-1/4"
	904206	4	4	LOCKWASHER, 3/8"



AIR CLEANER (Dry-type for units with turbocharger)

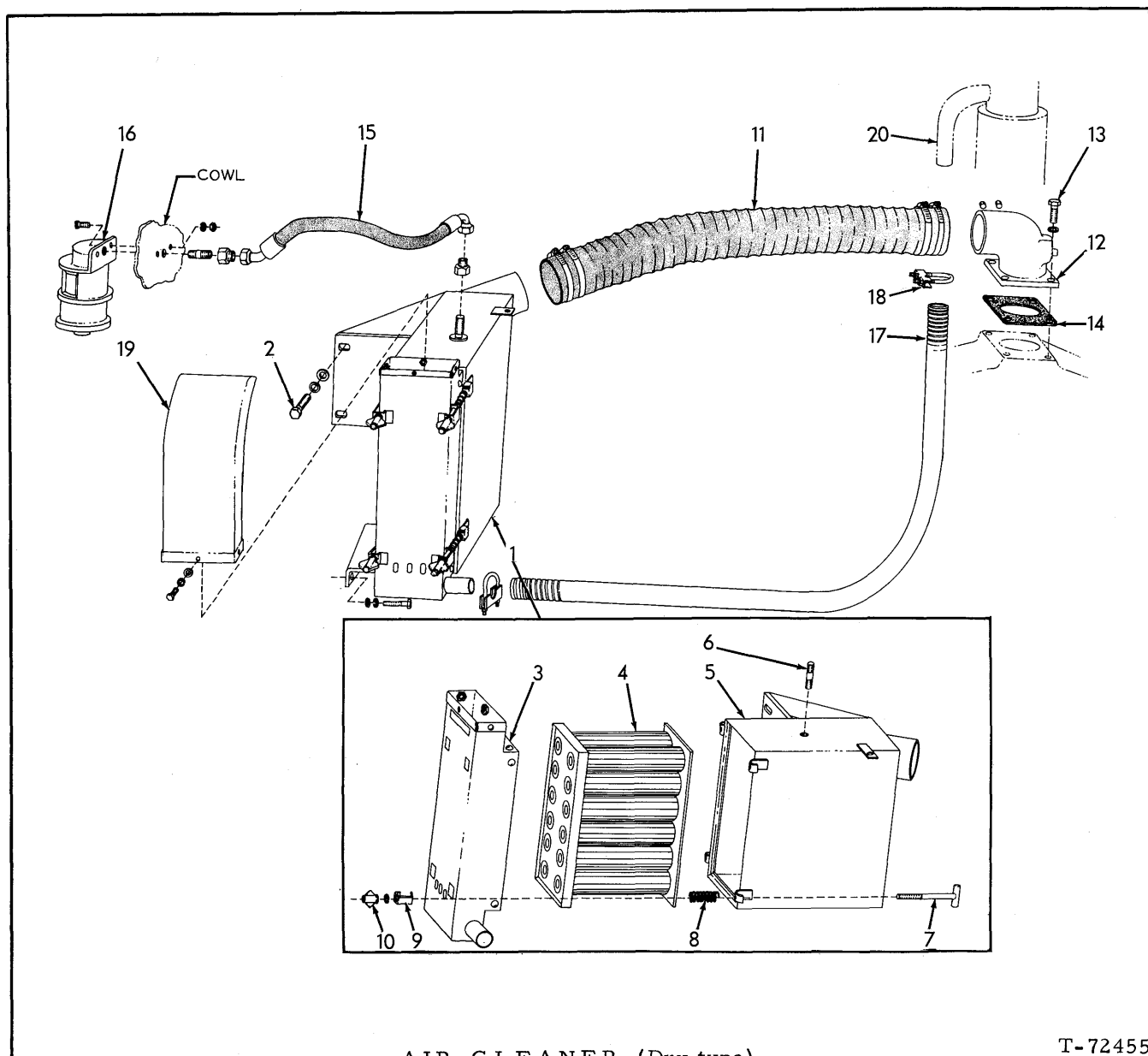
T-72062

AIR CLEANER (Dry type)

USAGE: Units with turbocharger. Tractors prior to serial No. 13368. For superseding design, see pages 17 and 21 of Supplement No. 1. Also see page 27 of Supplement No. 1. for optional oil-bath cleaner.

ITEM	PART NO.	QTY.	DESCRIPTION
1	650948	1	CLEANER ASSEMBLY, air (Consists of items 3 thru 10)
2	035061	4	CAPSCREW, 1/2"NC x 1-1/4"
	904208	4	LOCKWASHER, 1/2"
	064531	4	WASHER, plain
3	650941	1	PRE-CLEANER
4	644042	1	CARTRIDGE
5	644080	1	HOUSING ASSEMBLY, air cleaner (Includes items 6 thru 10)
6	650302	1	ADAPTER, restriction indicator
7	196663	4	T-BOLT, pre-cleaner
8	650301	4	SPRING, pre-cleaner bolt
9	196662	4	HOOK, pre-cleaner
10	056863	4	NUT, wing, pre-cleaner bolt
	904205	4	LOCKWASHER, 5/16"
11	644032	1	HOSE, air inlet
	922200	4	CLAMP, hose, 3-5/16" to 4-5/16" diam.
12	655089	1	HOSE, restriction indicator (See page 6)
	919174	2	CONNECTOR, flare type, 1/4" tube, 1/8"NPT female
	904273	1	NIPPLE, pipe, 1/8"NPT x 1"
13	631564	1	INDICATOR, air restriction (Serviced only as a unit)
	912789	2	CAPSCREW, 1/4"NF x 3/4"
	904204	2	LOCKWASHER, 1/4"
	911040	2	NUT, 1/4"NF
14	644033	1	HOSE, aspirator
15	644034	2	CLAMP ASSEMBLY, aspirator hose (Serviced only as a unit)
16	650896	1	ADAPTER, air intake
	047478	4	CAPSCREW, 1/4"NC x 5/8"
	904204	4	LOCKWASHER, 1/4"
	911114	4	WASHER, plain, SAE std., 1/4"
17	-----	1	ASPIRATOR (See EXHAUST PIPE)

NOTE: See PAINTING AND MARKING for transfers



AIR CLEANER (Dry type)

T-72455

USAGE: Units without turbocharger. Tractors prior to serial No. 13368. For superseding design, see pages 17 and 21 of Supplement No. 1. Also see page 25 of Supplement No. 1 for optional oil-bath air cleaner.

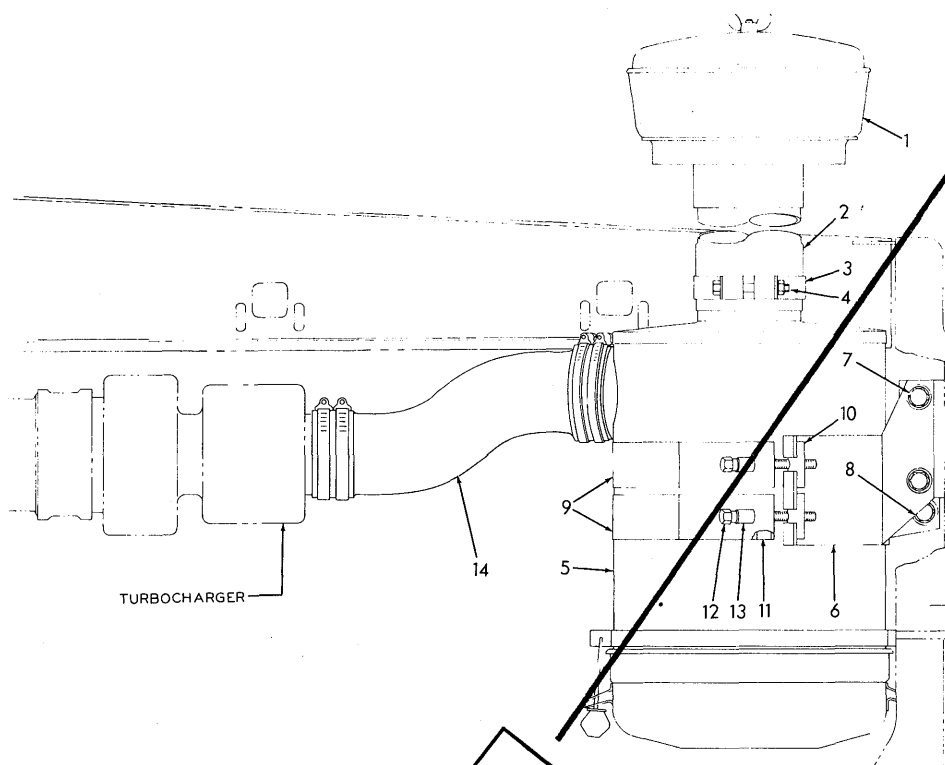
ITEM	PART NO.	QTY.	DESCRIPTION
1	650933	1	CLEANER ASSEMBLY, air (Consists of items 3 thru 10)
2	035061	4	CAPSCREW, 1/2"NC x 1-1/4"
	904208	4	LOCKWASHER, 1/2"
	064531	4	WASHER, plain
3	650932	1	PRE-CLEANER
4	638731	1	CARTRIDGE
5	640626	1	HOUSING ASSEMBLY, air cleaner (Includes items 6 thru 10)
6	650302	1	ADAPTER, restriction indicator
7	196663	4	T-BOLT, pre-cleaner

(Continued)

AIR CLEANER (Dry type)(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
8	650301	4	SPRING, pre-cleaner bolt
9	196662	4	HOOK, pre-cleaner
10	056863	4	NUT, wing, pre-cleaner bolt
	904205	4	LOCKWASHER, 5/16"
11	646542	1	HOSE, air inlet
	921914	2	CLAMP, hose, 2-5/16" to 3-1/4" diam.
	921916	2	CLAMP, hose, 3-13/16" to 4-3/4" diam.
12	622432	1	ELBOW, air inlet
	919840	1	PLUG, pipe, hex-hd., 1/4"NPT (Remove when installing engine primer)
	919134	1	PLUG, pipe, hex-hd., 1/8"NPT
13	035061	4	CAPSCREW, 1/2"NC x 1-1/4"
	904208	4	LOCKWASHER, 1/2"
14	084868	1	GASKET, air inlet elbow
15	655089	1	HOSE, restriction indicator (See page 6)
	919174	2	CONNECTOR, flare type, 1/4" tube, 1/8"NPT female
	904273	1	NIPPLE, pipe, 1/8"NPT x 1"
16	631564	1	INDICATOR, air restriction (Service only as a unit)
	912789	2	CAPSCREW, 1/4"NF x 3/4"
	904204	2	LOCKWASHER, 1/4"
	911040	2	NUT, 1/4"NF
17	643911	1	HOSE, aspirator
18	634093	2	CLAMP ASSEMBLY, aspirator hose (Serviced only as a unit)
19	650895	1	ADAPTER, air intake
	047478	4	CAPSCREW, 1/4"NC x 5/8"
	904204	4	LOCKWASHER, 1/4"
	911114	4	WASHER, plain, SAE std., 1/4"
20	-----	1	ASPIRATOR (See EXHAUST PIPE)

NOTE: See PAINTING AND MARKING for transfers



AIR C (I-bath)

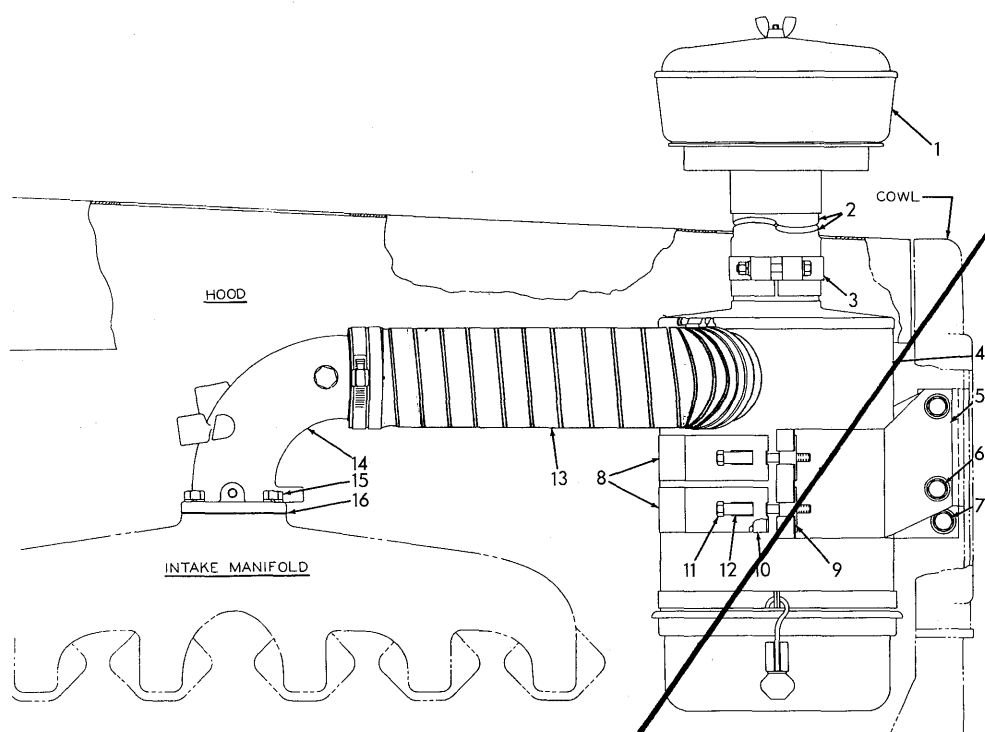
T-72380

USAGE: For units with turbocharger.
cleaner

ment. See page 69 for standard dry-type

ITEM	PART NO.	QTY.	DESCP
1	655272	1	PRE-CL. ASSEMBLY, air (See page 74 for parts)
2	622685	1	TUBE, air
3	639725	1	CLAMP, air inlet tube
4	051897	1	CAPSCREW, 3/8"NF x 3"
	900817	2	WASHER, plain, U.S. std., 3/8"
	904206	1	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8"NF
5	655270	1	CLEANER ASSEMBLY, air (See page 74 for parts)
6	656663	1	SADDLE, mounting
7	035221	2	CAPSCREW, 1/2"NC x 1"
8	035061	2	CAPSCREW, 1/2"NC x 1-1/4"
	904208	1	LOCKWASHER, 1/2"
	064531	4	WASHER, plain
9	622884	2	BAND, air cleaner mounting
10	081796	4	PIN, mounting band (threaded hole)
11	081795	4	PIN, mounting band (plain hole)
12	086238	4	CAPSCREW, mounting band
13	053667	4	SPACER, mounting band capscrow
14	656665	1	HOSE, cleaner to turbocharger
	921916	4	CLAMP, hose, 3-3/4" to 4-3/4" diam.

NOTE: See PAINTING AND MARKING for transfer



AIR CLEANER (oil-bath)

T-72456

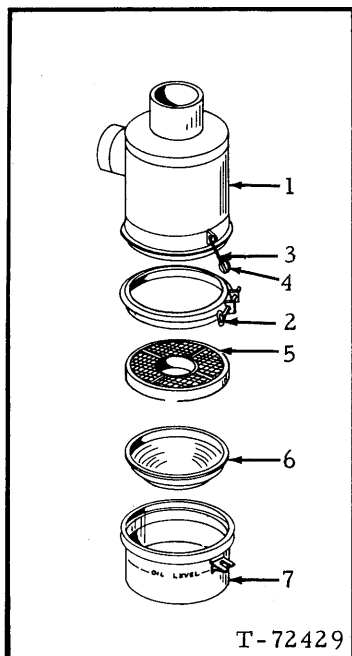
USAGE: For units without turbocharger. See page 70 for standard dry-type cleaner.

ITEM	PART NO.	QTY.	DESCRIPTION
1	650473	1	PRE-CLEANER ASSEMBLY, air (See page 74 for parts)
2	654938	1	TUBE, mounting
3	634091	1	CLAMP, hose
	916389	1	CAPSCREW, 3/8"NF x 3-1/4"
	044973	2	WASHER, plain
	904206	1	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8"NF
4	4025956	1	CLEANER ASSEMBLY, air (See page 74 for parts)
5	654892	1	SADDLE, mounting
6	035221	1	CAPSCREW, 1/2"NC x 1"
7	035061	3	CAPSCREW, 1/2"NC x 1-1/4"
	904208	4	LOCKWASHER, 1/2"
	064531	4	WASHER, plain
8	654961	2	BAND, air cleaner mounting
9	081796	4	PIN, mounting band (threaded hole)
10	081795	4	PIN, mounting band (plain hole)
11	086238	4	CAPSCREW, mounting band
12	053667	4	SPACER, mounting band capscrew
13	650552	1	HOSE, cleaner to manifold
	921916	4	CLAMP, hose, 3-3/4" to 4-3/4" diam.
14	622432	1	ELBOW, air inlet
	919840	1	PLUG, pipe, hex-hd., 1/4"NPT
	919134	1	PLUG, pipe, hex-hd., 1/8"NPT
15	035061	4	CAPSCREW, 1/2"NC x 1-1/4"
	904208	4	LOCKWASHER, 1/2"
16	084868	1	GASKET, air inlet elbow

NOTE: See PAINTING AND MARKING for transfers

AIR CLEANER PARTS

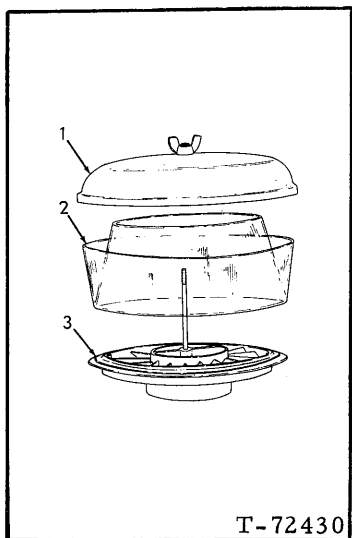
* 4025956 CLEANER ASSEMBLY (10" diam.)(See page 73)
 ** 655270 CLEANER ASSEMBLY (12" diam.)(See page 72)



ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	-----	1	1	BODY ASSEMBLY (Not serviced separately)
2	-----	1	-	BAND ASSEMBLY (Not serviced separately)
	4055456	-	1	BAND ASSEMBLY (Includes screw and nut)
3	4055454	2	2	BOLT ASSEMBLY (Includes item 4)
4	4055455	2	2	NUT, wing
5	4056636	1	-	ELEMENT, filtering
	4055451	-	1	ELEMENT, filtering
6	4056637	1	-	CUP, inner
	4055452	-	1	CUP, inner
7	4056638	1	-	CUP, outer
	4055453	-	1	CUP, outer

AIR PRE-CLEANER PARTS

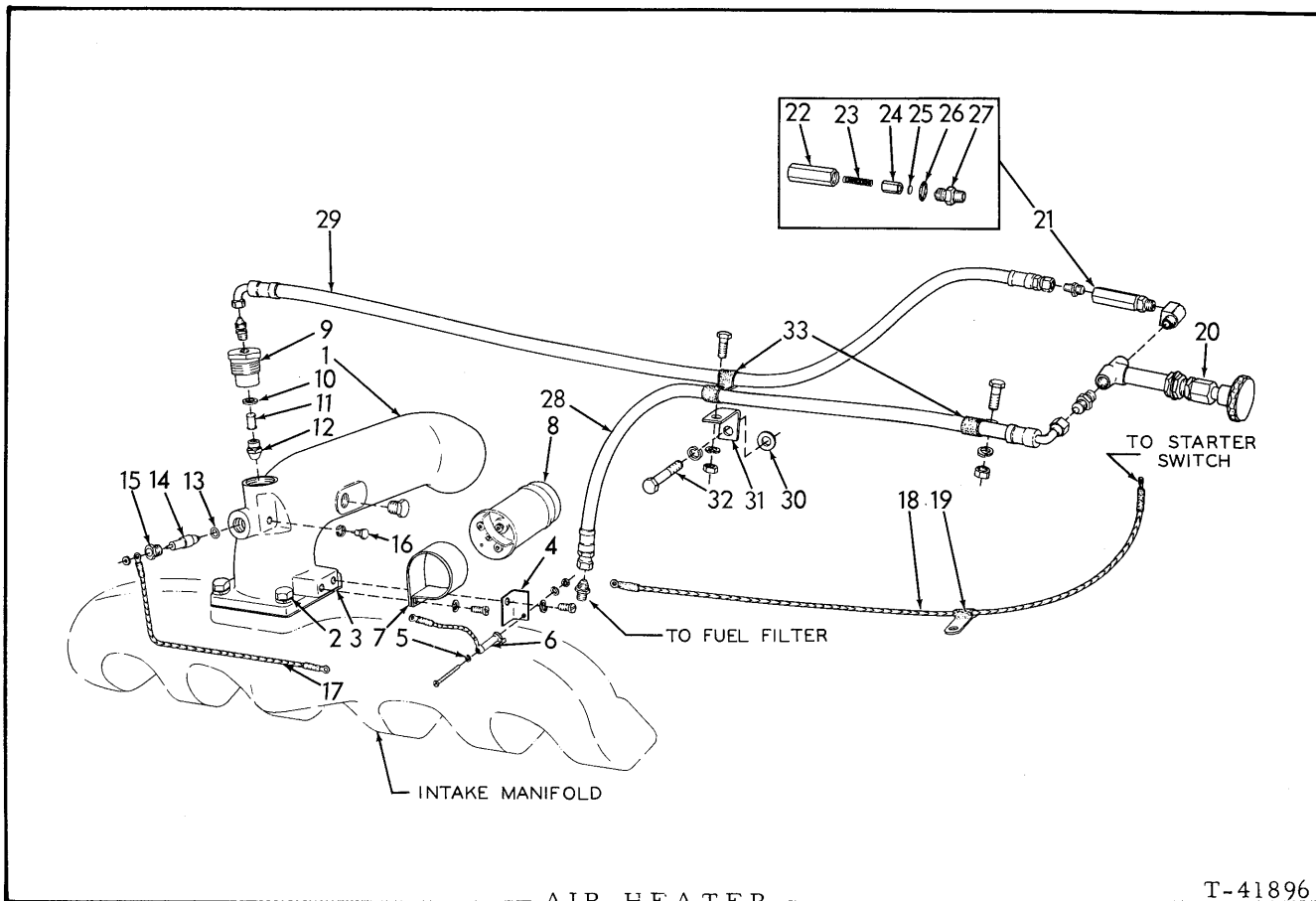
* 650473 PRE-CLEANER ASSEMBLY
 (See page 73)
 ** 655272 PRE-CLEANER ASSEMBLY
 (See page 72)



1	651268	1	1	COVER
2	651270	1	1	BOWL, sediment (clear plastic)
3	654122	1	-	SLEEVE ASSEMBLY (3-3/4" I. D.)
	650386	-	1	SLEEVE ASSEMBLY (4-1/2" I. D.)

Each includes center stud

MEMO



AIR HEATER

T-41896

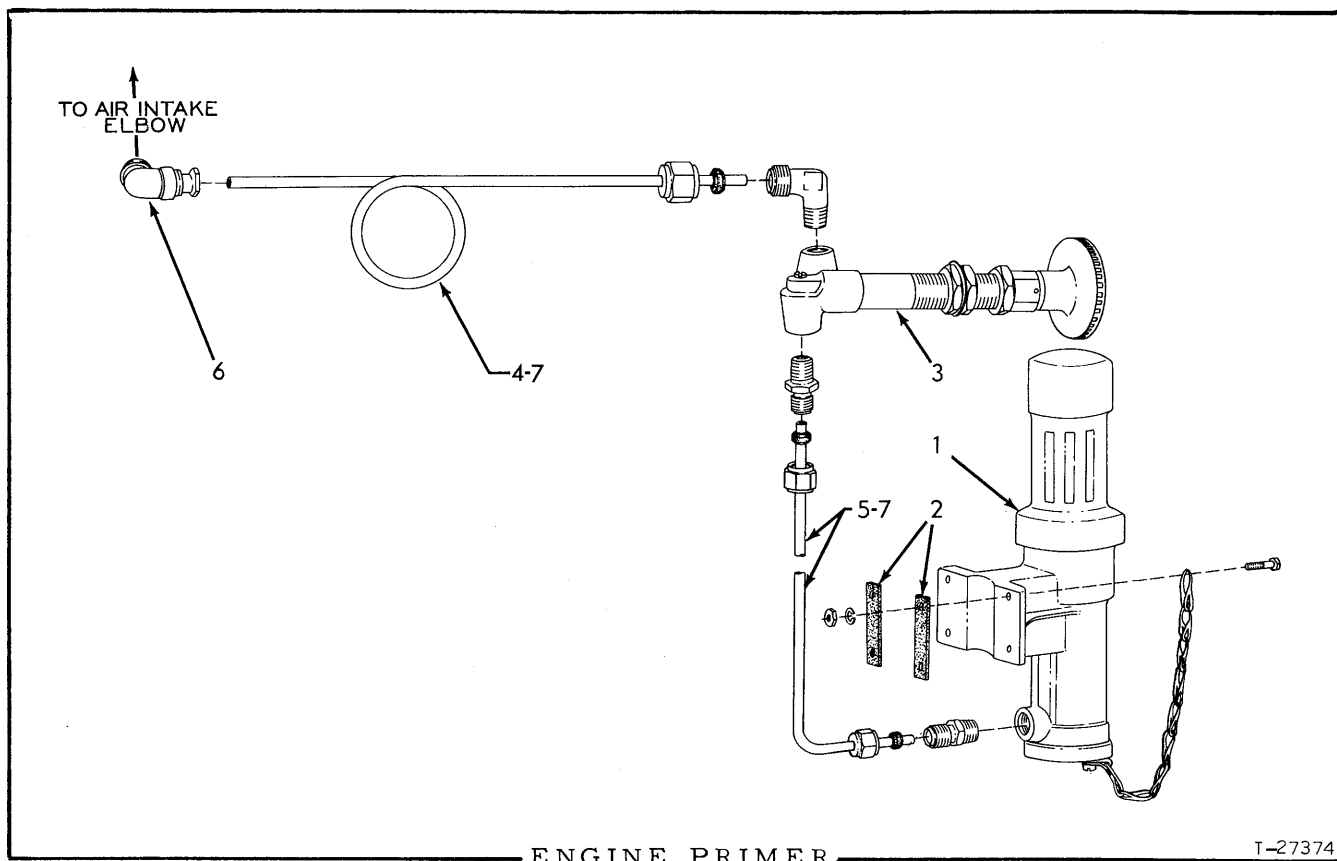
USAGE: Special equipment. For all units except those equipped with Engine Primer.

ITEM	PART NO.	QTY.	DESCRIPTION
1	644476	1	ELBOW, air intake (Replaces standard ELBOW 4339585)
	919840	1	PLUG, pipe, hex-hd., 1/4"NPT
2	919230	4	CAPSCREW, 1/2"NC x 1-3/8"
	904208	4	LOCKWASHER, 1/2"
3	084868	1	GASKET, air intake elbow
4	644133	1	BRACKET, resistor mounting
5	631198	1	WASHER, insulating
6	630830	1	RESISTOR
	915922	1	SCREW, machine, #8-32 x 2-1/4"
	915923	1	LOCKWASHER, external teeth, #8
	907154	1	NUT, #8-32
7	631199	1	BRACKET, ignition coil mounting
	912226	2	SCREW, machine, fil-hd., 1/4"NC x 5/8"
	904204	2	LOCKWASHER, 1/4"
8	097026	1	COIL, ignition (Serviced only as a unit)
9	088038	1	BUSHING, spray nozzle
10	630787	1	WASHER, spray nozzle
11	631225	1	STRAINER ASSEMBLY, spray nozzle (1 body and 1 screen)

(Continued)

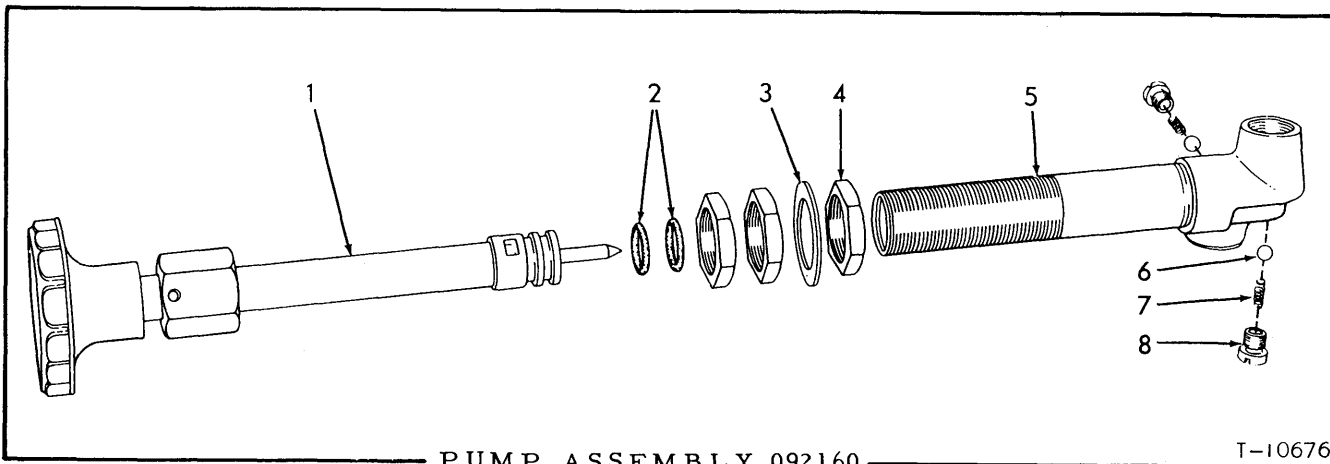
AIR HEATER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
12	631224	1	NOZZLE ASSEMBLY, spray (Includes item 11)
13	631566	1	GASKET, insulator
14	631226	1	INSULATOR PACKAGE (Includes terminal nut and item 13)
15	630828	1	NUT, insulator retaining
16	630827	1	SCREW ASSEMBLY, electrode (1 screw and 1 electrode)
	904204	1	LOCKWASHER, 1/4"
17	095860	1	CABLE, coil to insulator
18	644225	1	CABLE, switch to coil
19	639388	1	CLIP, supporting, switch cable (1/8" diam., 13/32" bolt-hole)
20	092160	1	PUMP ASSEMBLY (See page 79 for parts)
	915399	1	ELBOW, street, brass, 90°, 1/8"NPT
21	094642	1	VALVE ASSEMBLY, check (Consists of items 22 thru 27)
22	094890	1	BODY, check valve
23	048603	1	SPRING, check valve
24	048608	1	PLUNGER, check valve
25	048606	1	DISC, check valve
26	630713	1	WASHER, check valve
27	092793	1	CONNECTOR, check valve
28	644682	1	HOSE, fuel filter to pump (See page 6)
	919171	2	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
29	644213	1	HOSE, pump to nozzle (See page 6)
	919171	2	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
30	044973	1	WASHER, spacing, supporting angle
31	638834	1	ANGLE, hose and cable supporting
32	058936	1	CAPSCREW, 3/8"NC x 2-3/4" (Replaces standard capscrew on engine breather)
	904206	1	LOCKWASHER, 3/8"
33	094527	3	CLIP, hose supporting
	036032	1	CAPSCREW, 3/8"NF x 3/4"
	035167	1	CAPSCREW, 3/8"NF x 7/8"
	904206	2	LOCKWASHER, 3/8"
	911041	2	NUT, 3/8"NF



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

ITEM	PART NO.	QTY.	DESCRIPTION
1	075771	1	DISPENSER ASSEMBLY, priming fuel (See page 80 for parts)
	913464	4	CAPSCREW, #10-24NC x 7/8"
	904203	4	LOCKWASHER, #10
	901310	4	NUT, #10-24NC
2	066261	6	GASKET, dispenser mounting
3	092160	1	PUMP ASSEMBLY (See page 79 for parts)
4	-----	1	TUBE (Order item 7)
	915488	1	NUT, Sealastic, 1/8" tube
	915486	1	RING, Sealastic, 1/8" tube (Includes ferrule)
	915557	1	ELBOW, Sealastic, 1/8" tube, 1/8"NPT male
5	-----	1	TUBE (Order item 7)
	915488	2	NUT, Sealastic, 1/8" tube
	915486	2	RING, Sealastic, 1/8" tube (Includes ferrule)
	915556	2	CONNECTOR, Sealastic, 1/8" tube, 1/8"NPT male
6	066517	1	ELBOW ASSEMBLY, fuel spray (Includes nozzle, nut and sleeve. Serviced only as a unit)
7	066253	1	TUBING, copper, 1/8"O.D., 10 ft. roll (Use as required)
8	660852	1	BRACKET, dispenser mounting (Tractors #13368 and up)
	035439	2	CAPSCREW, 3/8"NC x 1"
	044973	2	WASHER, plain
	904206	2	LOCKWASHER, 3/8"
	911026	2	NUT, 3/8"NC

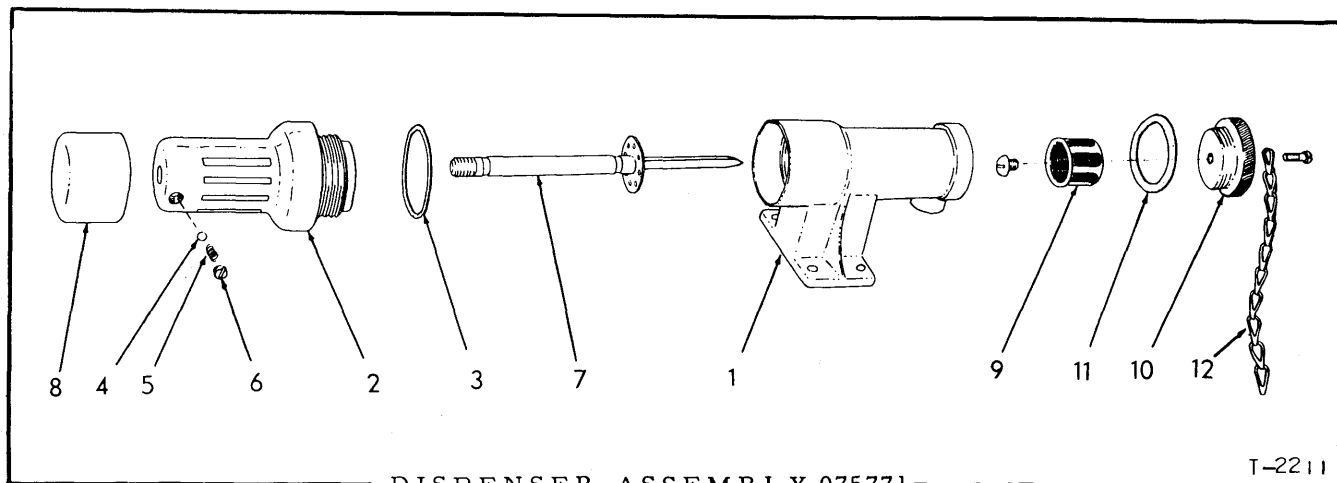


PUMP ASSEMBLY 092160

T-10676

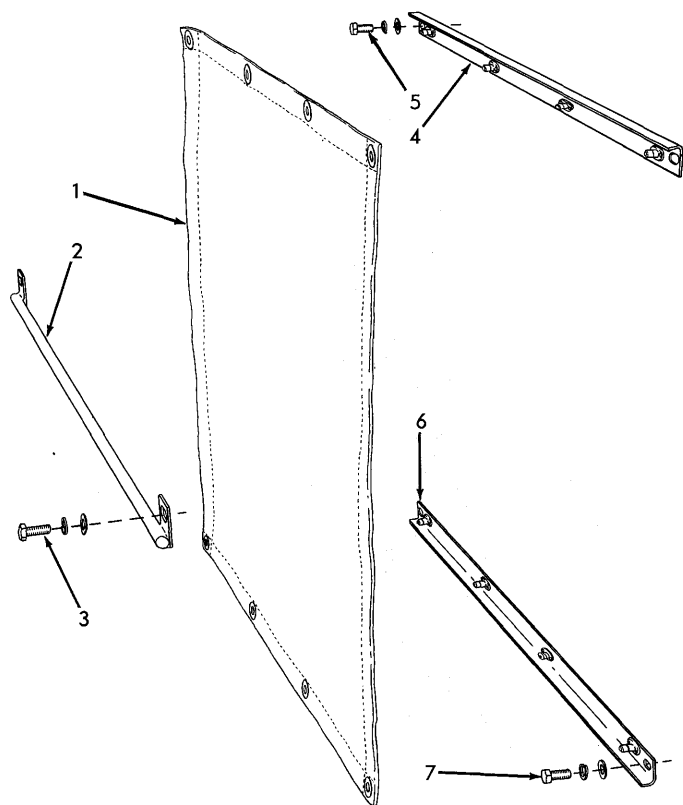
USAGE: See Pages 76 and 78

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	PISTON ASSEMBLY (Not serviced separately)
2	923560	2	RING, plunger packing (rubber)
3	066873	1	WASHER, mounting
4	066872	3	NUT, mounting
5	-----	1	BARREL ASSEMBLY (Not serviced separately)
6	066876	2	BALL, check valve (5/32" diam.)
7	066875	2	SPRING, check valve
8	066874	2	RETAINER, check valve



USAGE: See page 78

ITEM	PART NO.	QTY.	DESCRIPTION
1	068878	1	BODY, fuel dispenser
2	068879	1	CHAMBER, fuel dispenser
3	069164	1	GASKET, fuel dispenser chamber
4	905357	1	BALL, steel, 3/16" diam.
5	066251	1	SPRING, plunger locking ball
6	066252	1	PLUG, retaining, locking ball spring
7	066255	1	PLUNGER, fuel dispenser
8	068881	1	KNOB, fuel dispenser plunger
9	068875	1	STRAINER, fuel dispenser
	915432	1	SCREW, machine, 1/4"NC x 5/16"
10	075770	1	PLUG, fuel dispenser strainer
11	068876	1	GASKET, fuel dispenser strainer plug
12	075769	1	CHAIN, strainer plug retaining
	901781	1	SCREW, machine, fil-hd., #10-32NF x 1/2"



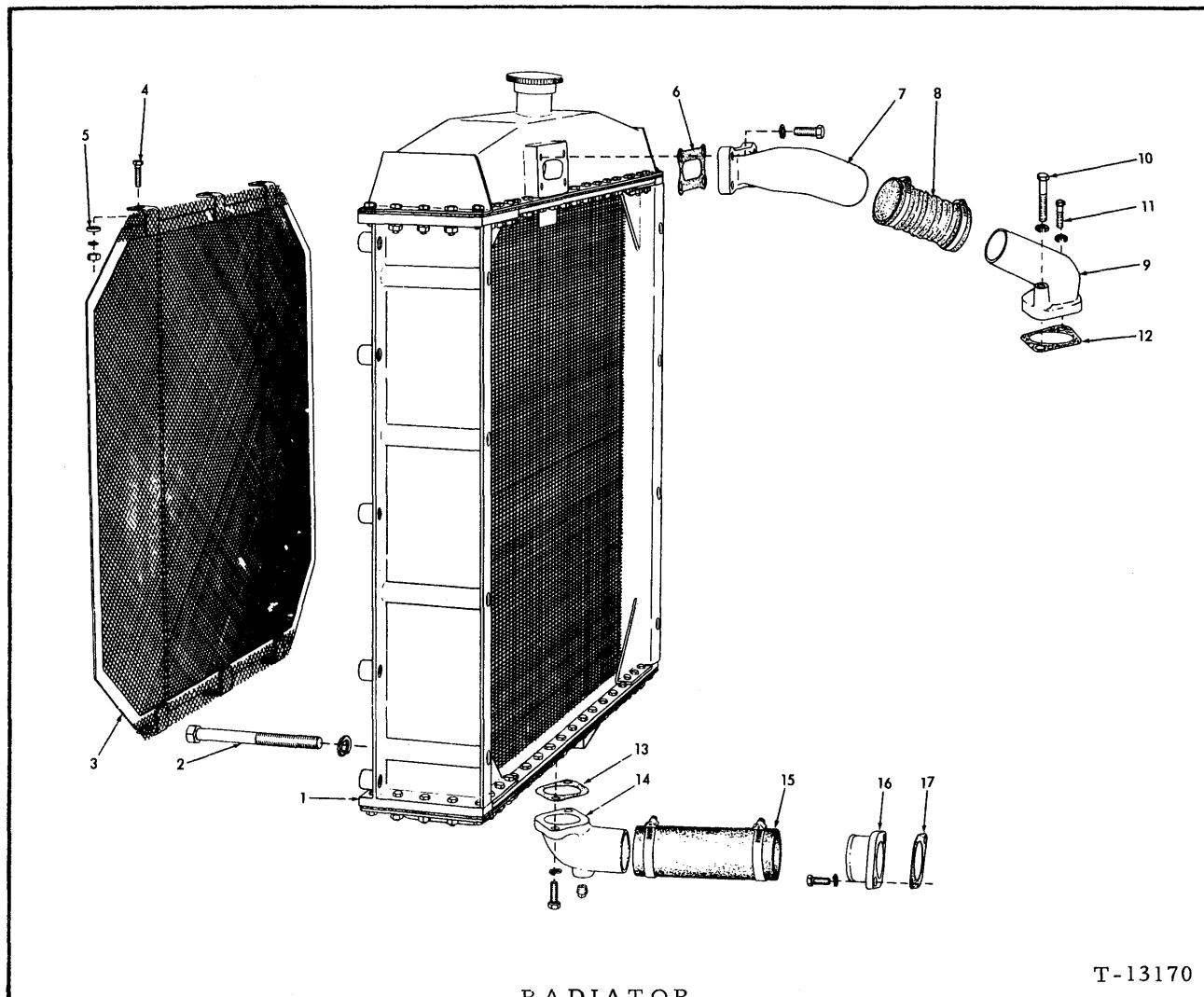
RADIATOR CURTAIN

T-17414

USAGE: Special equipment. Used only on tractors equipped with special suction fan.

ITEM PART NO. QTY. DESCRIPTION

1	085136	1	CURTAIN
2	085135	1	ROD, curtain supporting
3	012992	2	CAPSCREW, 3/8"NF x 1-1/4"
	904206	2	LOCKWASHER, 3/8"
	044973	2	WASHER, plain
4	651170	1	BRACKET ASSEMBLY, curtain attaching, upper (Includes fasteners)
5	012992	2	CAPSCREW, 3/8"NF x 1-1/4"
	904206	2	LOCKWASHER, 3/8"
	044973	2	WASHER, plain
6	651171	1	BRACKET ASSEMBLY, curtain attaching, lower (Includes fasteners)
7	012992	2	CAPSCREW, 3/8"NF x 1-1/4"
	904206	2	LOCKWASHER, 3/8"
	044973	2	WASHER, plain



RADIATOR

T-13170

* Model HD11E tractors prior to serial No. 14010
(3-7/8" core-depth)

** Model HD11E tractors serial No. 14010 and up
(2-1/4" core-depth)

△ Model HD11AG

		QUANTITY			DESCRIPTION
ITEM	PART NO.	*	**	△	
1	093339	1	-	1	RADIATOR ASSY., (Staggered tubes, copper fins)(Standard)
	668819	-	1	-	RADIATOR ASSY., (Canted tubes, steel fins)(Standard)
	644815	1	-	1	RADIATOR ASSY., (In-Line tubes)(Special)
	645482	-	1	-	RADIATOR ASSY., (Staggered tubes, copper fins)(Special)
	632164	1	-	1	} Special equipment. Have rear core tubes armored
	645782	-	1	-	

NOTE: See page 84 for radiator parts

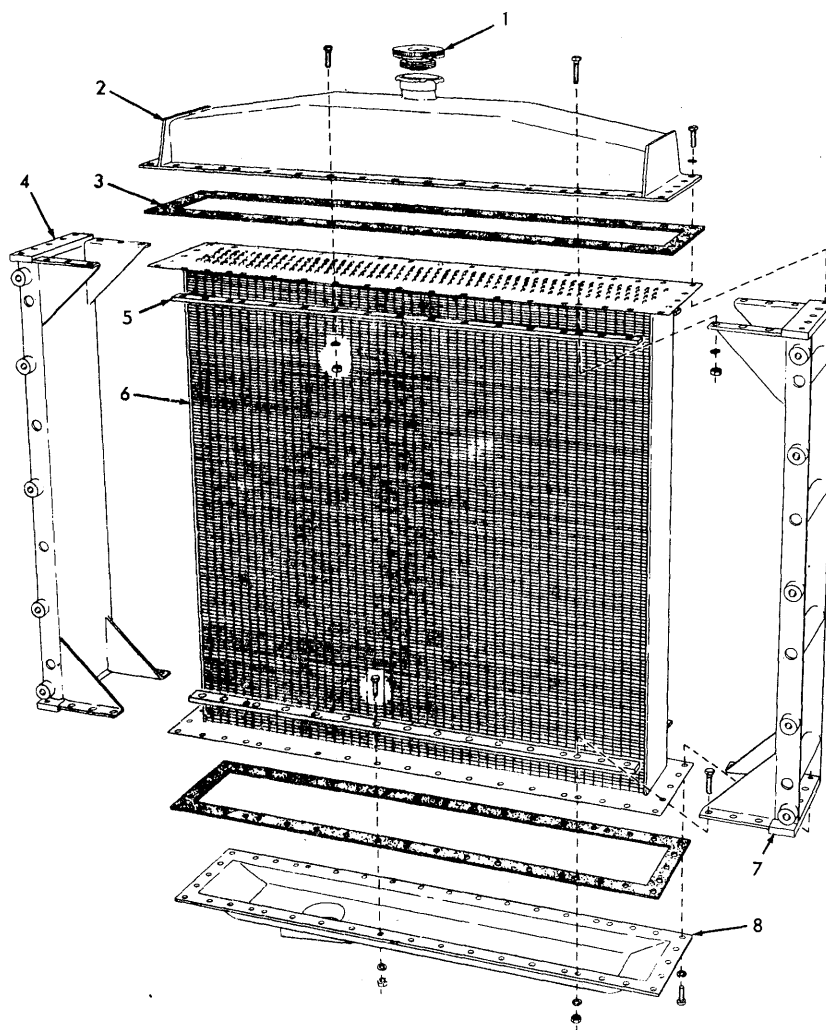
(Continued)

(Revised December 1969)

RADIATOR (Continued)

ITEM	PART NO.	QUANTITY			DESCRIPTION
		*	**	△	
2	649298	8	-	-	CAPSCREW, 5/8"NC x 7-1/4" (For standard radiator)
	916417	8	-	8	CAPSCREW, 5/8"NF x 7-1/4" (For units with light-duty radiator shell only. Standard on HD11AG)
	649852	8	-	8	CAPSCREW, 5/8"NC x 8-1/4" (For special radiator)
	065468	-	8	-	CAPSCREW, 5/8"NF x 8-1/4"
	904209	8	8	8	LOCKWASHER, 5/8"
3	085039	1	-	1	SCREEN, radiator
	645913	-	1	-	SCREEN, radiator
4	046321	6	6	6	CAPSCREW, 5/16"NC x 1-1/2"
5	092665	6	6	6	WASHER, plain
	904205	6	6	6	LOCKWASHER, 5/16"
	911025	6	6	6	NUT, 5/16"NC
6	084888	1	1	1	GASKET, radiator inlet elbow
7	084042	1	1	1	ELBOW, radiator inlet
	916197	4	4	4	CAPSCREW, 7/16"NC x 1-1/4"
	904207	4	4	4	LOCKWASHER, 7/16"
8	088349	1	1	1	HOSE, radiator inlet (4-1/2" long)
	921913	2	2	2	CLAMP, hose, adjustable, 1-7/8" to 2-3/4" diam.
9	634244	1	1	1	ELBOW, engine water outlet
10	088736	1	1	1	CAPSCREW, 7/16"NC x 3"
11	043886	1	1	1	CAPSCREW, 7/16"NC x 1"
	904207	2	2	2	LOCKWASHER, 7/16"
12	4300145	1	1	1	GASKET, engine water outlet elbow
13	4310257	1	1	1	GASKET, radiator outlet elbow
14	084010	1	1	1	ELBOW, radiator outlet
	901652	1	1	1	PLUG, pipe, 1/4"NPT
	916197	2	2	2	CAPSCREW, 7/16"NC x 1-1/4"
	904207	2	2	2	LOCKWASHER, 7/16"
15	634378	1	1	1	HOSE, radiator outlet
	921914	2	2	2	CLAMP, hose adjustable, 2-5/16" to 3-1/4" diam.
16	4347872	1	1	1	PIPE, engine water inlet
	916271	2	2	2	CAPSCREW, 3/8"NC x 1"
	904206	2	2	2	LOCKWASHER, 3/8"
17	4346456	1	1	1	□ GASKET, water inlet pipe

(Revised December 1969)



T-13169

RADIATOR PARTS

*RADIATOR ASSY. 093339
 **RADIATOR ASSY. 644815
 **RADIATOR ASSY. 632164
 ΔRADIATOR ASSY. 668819
 ΔRADIATOR ASSY. 645482
 ΔRADIATOR ASSY. 645782

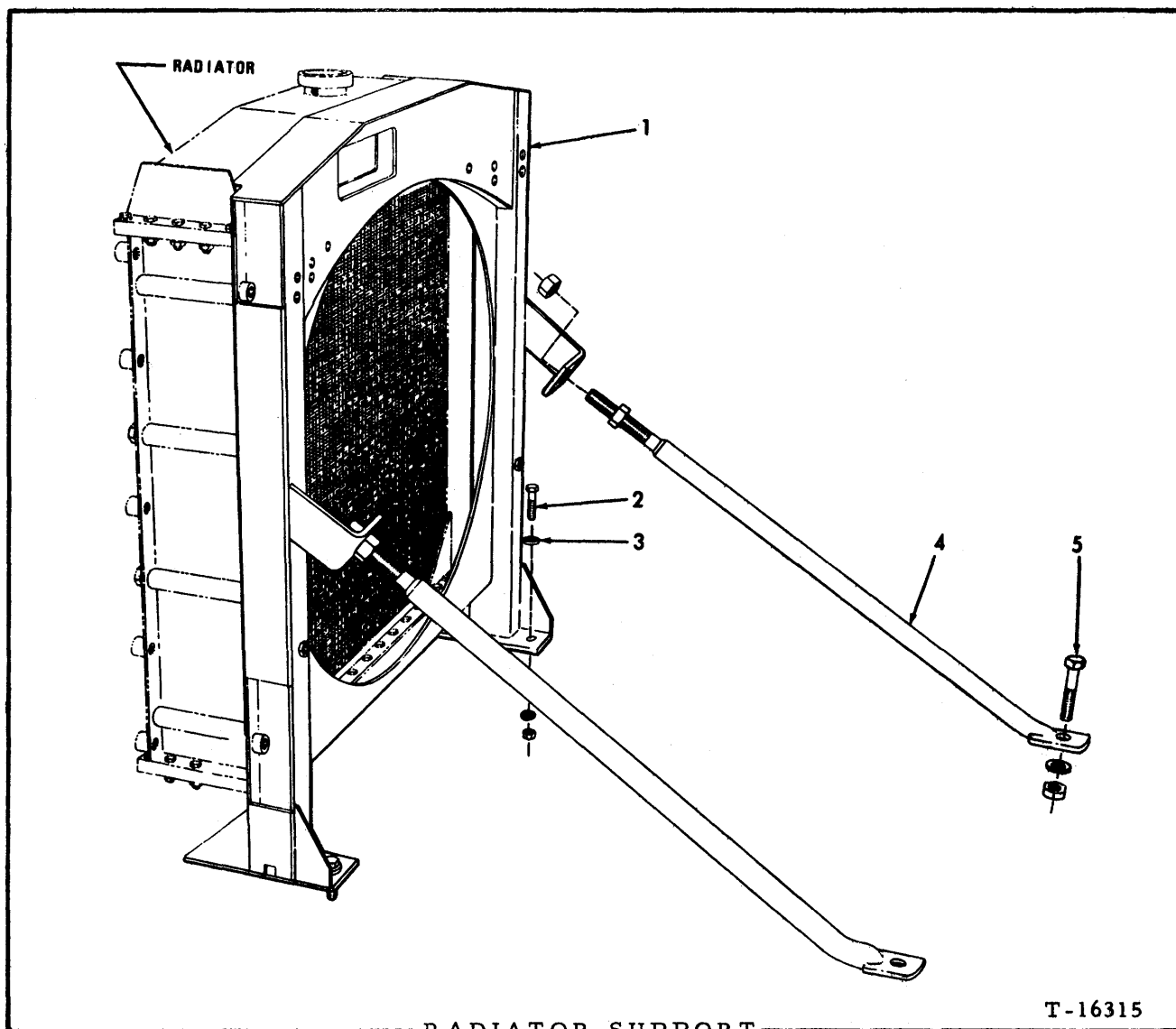
See page 82

ITEM	PART NO.	QUANTITY			DESCRIPTION
		*	**	Δ	
1	087528	1	1	1	CAP, pressure (7 lb.)
2	087955	1	-	-	TANK, top
	629064	-	1	-	TANK, top
	645948	-	-	1	TANK, top
	903772	26	26	26	CAPSCREW, 5/16"NC x 1"
	903773	18	18	18	CAPSCREW 5/16"NC x 1-1/4"
	904205	44	44	44	LOCKWASHER, 5/16"
	911025	38	38	38	NUT, 5/16"NC

(Continued)

RADIATOR PARTS (Continued)

ITEM	PART NO.	QUANTITY			DESCRIPTION
		*	**	△	
3	087041	2	-	-	GASKET, core
	629067	-	2	-	GASKET, core
	645951	-	-	2	GASKET, core
4	087043	1	-	-	SIDE, radiator core, right
	638792	-	1	1	SIDE, radiator core, right
5	087040	4	4	-	CLAMP, radiator core flange
	645950	-	-	4	CLAMP, radiator core flange
6	087538	1	-	-	CORE (Standard. Has staggered tubes)
	668818	-	-	1	CORE (Standard. Has canted tubes)
	665196	1	-	-	CORE (Special. Heavy in-line type for severe-service applications)
	644814	-	1	-	CORE
	645952	-	-	1	CORE
	632471	-	1	-	CORE
	645954	-	-	1	CORE
7	087042	1	-	-	SIDE, radiator core, left
	638791	-	1	1	SIDE, radiator core, left
8	087044	1	-	-	TANK, bottom
	629068	-	1	-	TANK, bottom
	645949	-	-	1	TANK, bottom
	903772	26	26	26	CAPSCREW, 5/16"NC x 1"
	903773	18	18	18	CAPSCREW, 5/16"NC x 1-1/4"
	904205	44	44	44	LOCKWASHER, 5/16"
	911025	40	40	40	NUT, 5/16"NC



USAGE: Standard equipment on Model HD11E. Not used when standard wrap-around radiator guard is replaced with optional light-duty Radiator Shell.

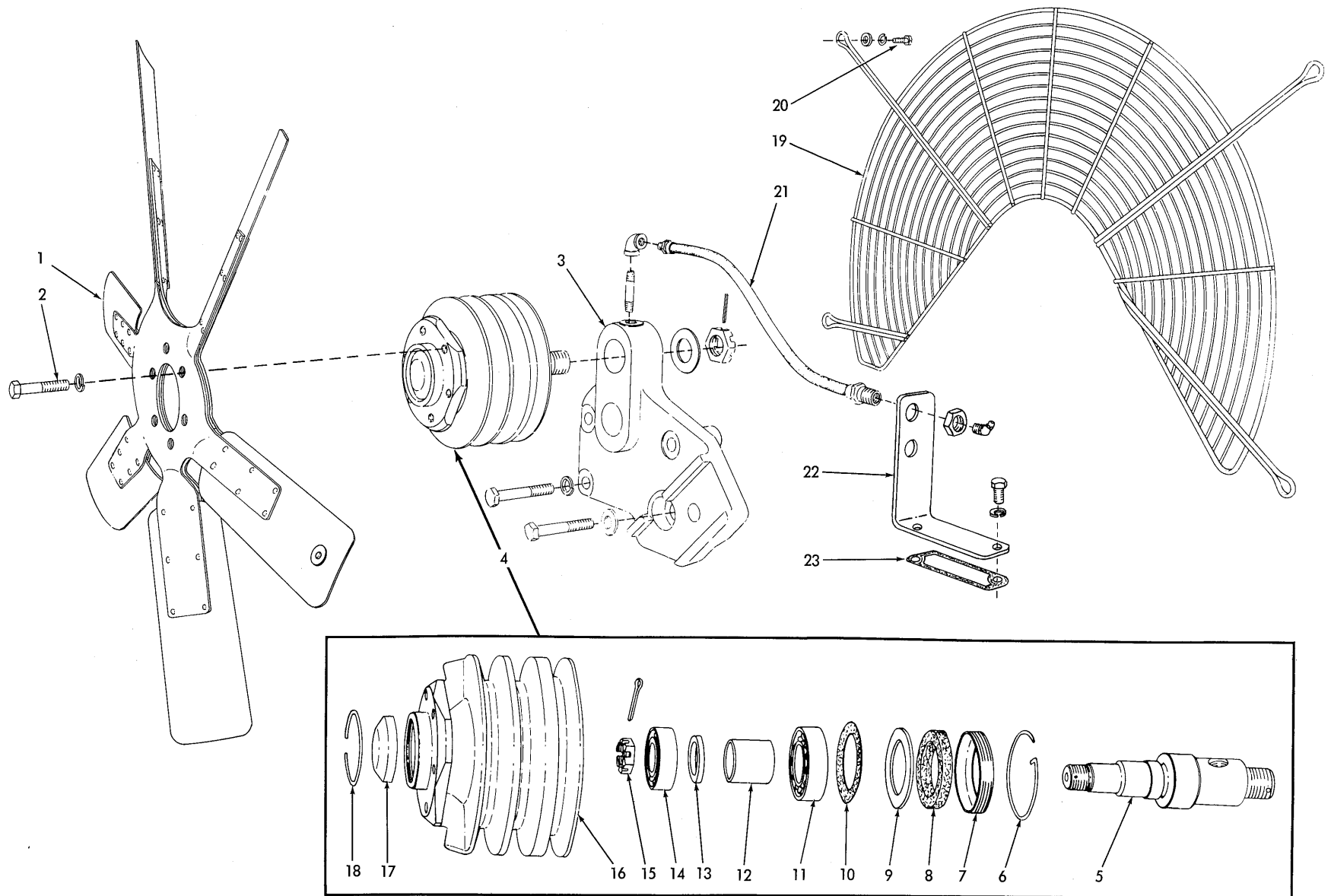
ITEM	PART NO.	QTY.	DESCRIPTION
	648271	1	SUPPORT, radiator (Tractors prior to #14010 and up)
1	648286	1	SUPPORT, radiator (Tractors #14010 and up)
2	916314	4	CAPSCREW, 1/2"NC x 2"
3	064531	4	WASHER, plain
	904208	4	LOCKWASHER, 1/2"
	911028	4	NUT, 1/2"NC
4	634101	2	BRACE
	911046	4	NUT, 7/8"NF
5	918061	2	CAPSCREW, 3/4"NC x 3-1/4"
	904369	2	LOCKWASHER, 3/4"
	911030	2	NUT, 3/4"NC

FAN

* Model HD11AG; also Model HD11E tractors prior to serial No. 14010 including later units equipped with special light-duty radiator shell
 ** Model HD11E tractors serial No. 14010 and up except when equipped with special light-duty radiator shell

ITEM	PART NO.	QTY. * **	DESCRIPTION
			NOTE: See FAN DRIVE for fan belt
1	648752	1 -	FAN, suction type (28" diam.)
	648754	- 1	FAN, suction type (29" diam.)
	648751	1 -	FAN, push type (28" diam.)
	648753	- 1	FAN, push type (29" diam.)
	649906	1 -	FAN, reversible (28" diam.)
2	666516	- 1	FAN, reversible (29" diam.) (See page 89 for parts)
	035439	6 6	CAPSCREW, 3/8"NC x 1"
	904206	6 6	LOCKWASHER, 3/8"
3	4336522	1 1	BRACKET, fan mounting
	915969	4 4	CAPSCREW, 1/2"NC x 3"
	904208	3 3	LOCKWASHER, 1/2"
	913432	1 1	WASHER, plain
4	4337728	1 1	HUB ASSEMBLY (Consists of items 5 thru 18)
	911174	1 1	NUT, jam, slotted, 1"NF
	911159	1 1	WASHER, plain, SAE std., 1"
	915946	1 1	PIN, roll, 5/32" x 1-1/4"
5	4336521	1 1	SPINDLE
6	4371707	1 1	LOCKWIRE, fan hub
7	4040386	1 1	RETAINER, spindle sealing washer
8	4040385	1 1	WASHER, spindle sealing (cork)
9	4040384	1 1	WASHER, retaining, rear bearing
10	4640976	1 1	GASKET, bearing retaining washer
11	4253863	1 1	BEARING, ball, rear
12	4040383	1 1	SPACER, spindle bearings
13	4640978	1 1	WASHER, spacing, front bearing
14	4253862	1 1	BEARING, ball, front
	4348502	1 1	NUT, spindle
	911064	1 1	PIN, cotter, 1/8" x 1-3/8"
16	4337729	1 1	HUB, fan
17	088561	1 1	CAP, hub
18	4042081	1 1	RING, snap, cap retaining

(Continued)



FAN

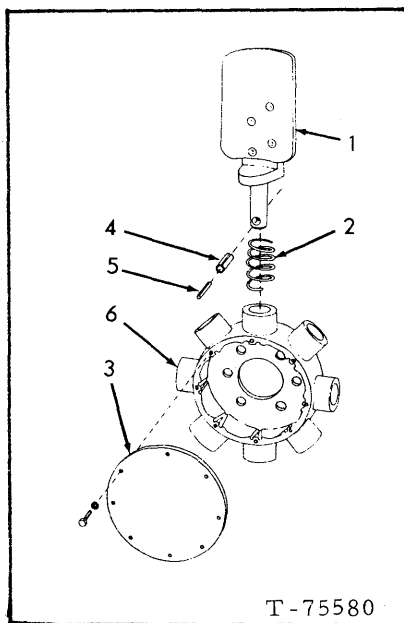
T-41843

FAN (Continued)

ITEM	PART NO.	QTY. * **	DESCRIPTION
19	634362	1 -	GUARD, fan (For 28" diam. fan)
	645536	- 1	GUARD, fan (For 29" diam. fan)
20	916271	4 4	CAPSCREW, 3/8"NC x 1" (Model HD11E)
	920619	4 4	CAPSCREW, 3/8"NF x 1-1/8" (Model HD11AG)
	044973	4 4	WASHER, plain
	904206	4 4	LOCKWASHER, 3/8"
21	4336526	1 1	HOSE, lubricating (14-1/2" long)
	915405	1 1	NIPPLE, pipe, 1/8"NPT x 1-3/4"
	901676	1 1	ELBOW, pipe, 1/8"NPT
	915274	1 1	FITTING, lubricating, 45°, 1/8"NPT
	911049	1 1	NUT, jam, 5/8"NF
22	4339769	1 1	BRACKET, lubricating hose
	916269	2 2	CAPSCREW, 3/8"NC x 7/8"
	904206	2 2	LOCKWASHER, 3/8"
23	4354304	1 1	GASKET, lubricating hose bracket

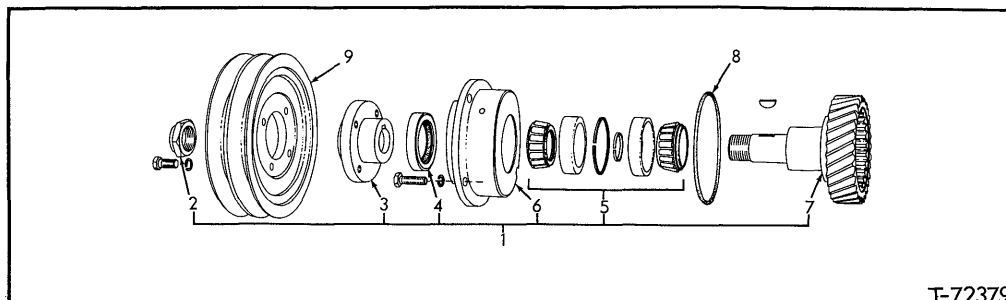
REVERSIBLE FAN PARTS ("Huber")

USAGE: See page 87

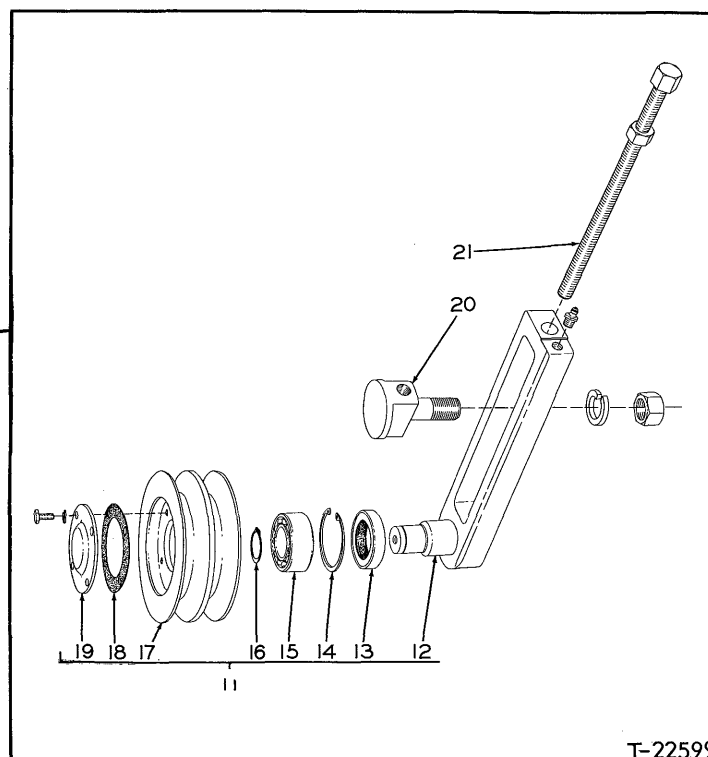
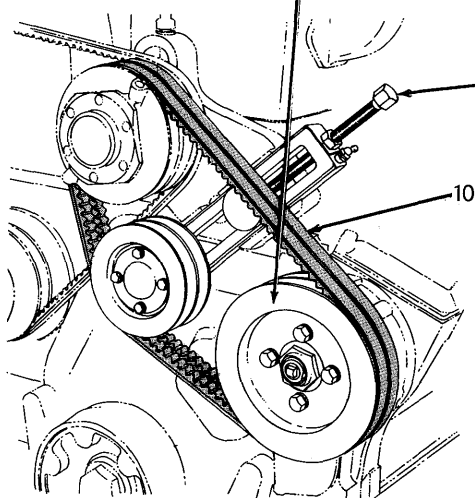


ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	8	BLADE (See NOTE below)
2	668596	8	SPRING
3	668594	1	COVER, dust
	926339	8	CAPSCREW, #10-24 x 5/16" (Includes lockwasher)
4	918623	8	PIN blade retaining, outer (3/8"O. D.)
5	927229	8	PIN, blade retaining, inner (7/32"O. D.)
6	-----	1	HUB (See NOTE below)

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



T-72379



T-22599

FAN DRIVE

T-72396

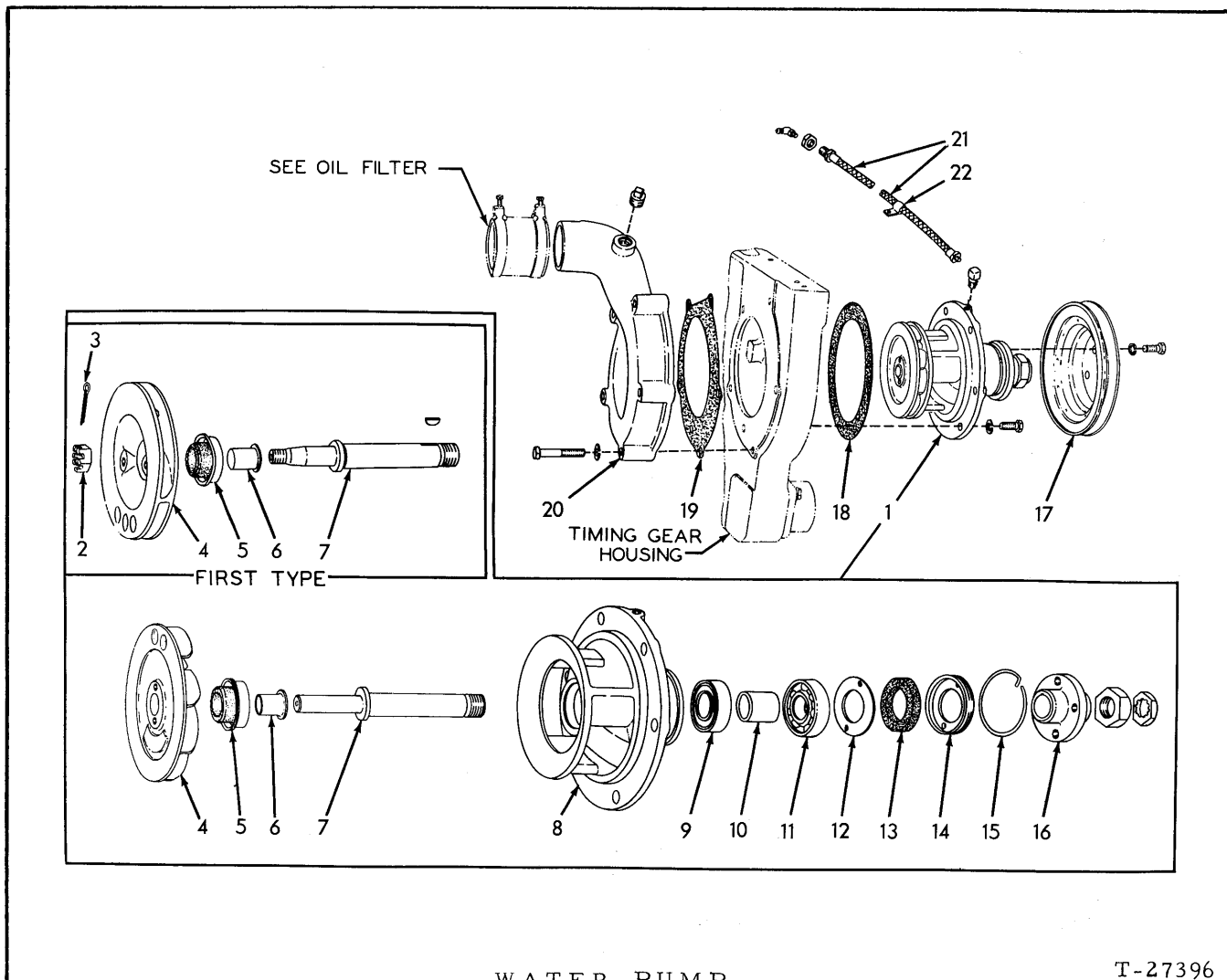
ITEM	PART NO.	QTY.	DESCRIPTION
1	4339903	1	DRIVE ASSEMBLY (Consists of items 2 thru 7)
	916271	4	CAPSCREW, 3/8"NC x 1-1/8"
	904206	4	LOCKWASHER, 3/8"
2	4335476	1	NUT, flange retaining
3	4354337	1	FLANGE, pulley mounting
4	4255587	1	SEAL, oil
5	4357289	1	BEARING, roller (Serviced only as a unit)
6	4339901	1	RETAINER, bearing

(Continued)

FAN DRIVE (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
7	4339658	1	GEAR, fan drive
	917755	1	KEY, #91 woodruff, 1/4" x 3/4"
8	923820	1	□O-RING, drive mounting
9	4336258	1	PULLEY, fan drive
	916225	4	CAPSCREW, 3/8"NF x 1"
	904206	4	LOCKWASHER, 3/8"
10	4337757	2	BELT, fan drive (Supplied in matched sets)
11	4349660	1	IDLER ASSEMBLY, belt tightening (Consists of item 12 thru 19)
12	4336587	1	SLIDE, fan idler
	915275	1	FITTING, lubricating, 65°, 1/8"NPT
13	4254670	1	SEAL, oil
14	4254100	1	RING, snap, rear
15	4255031	1	BEARING, ball
16	4253555	1	RING, snap, front
17	4349662	1	PULLEY
18	4347752	1	GASKET, pulley cover
19	4347751	1	COVER, pulley
	905656	4	CAPSCREW, 1/4"NC x 5/8"
	904204	4	LOCKWASHER, 1/4"
20	4349666	1	BOLT, clamping, fan idler slide
	904369	1	LOCKWASHER, 3/4"
	910175	1	NUT, 3/4"NF
21	4349667	1	CAPSCREW, fan belt adjustment
	910325	1	NUT, 1/2"NC

□Also see PACKAGED PARTS



WATER PUMP

T-27396

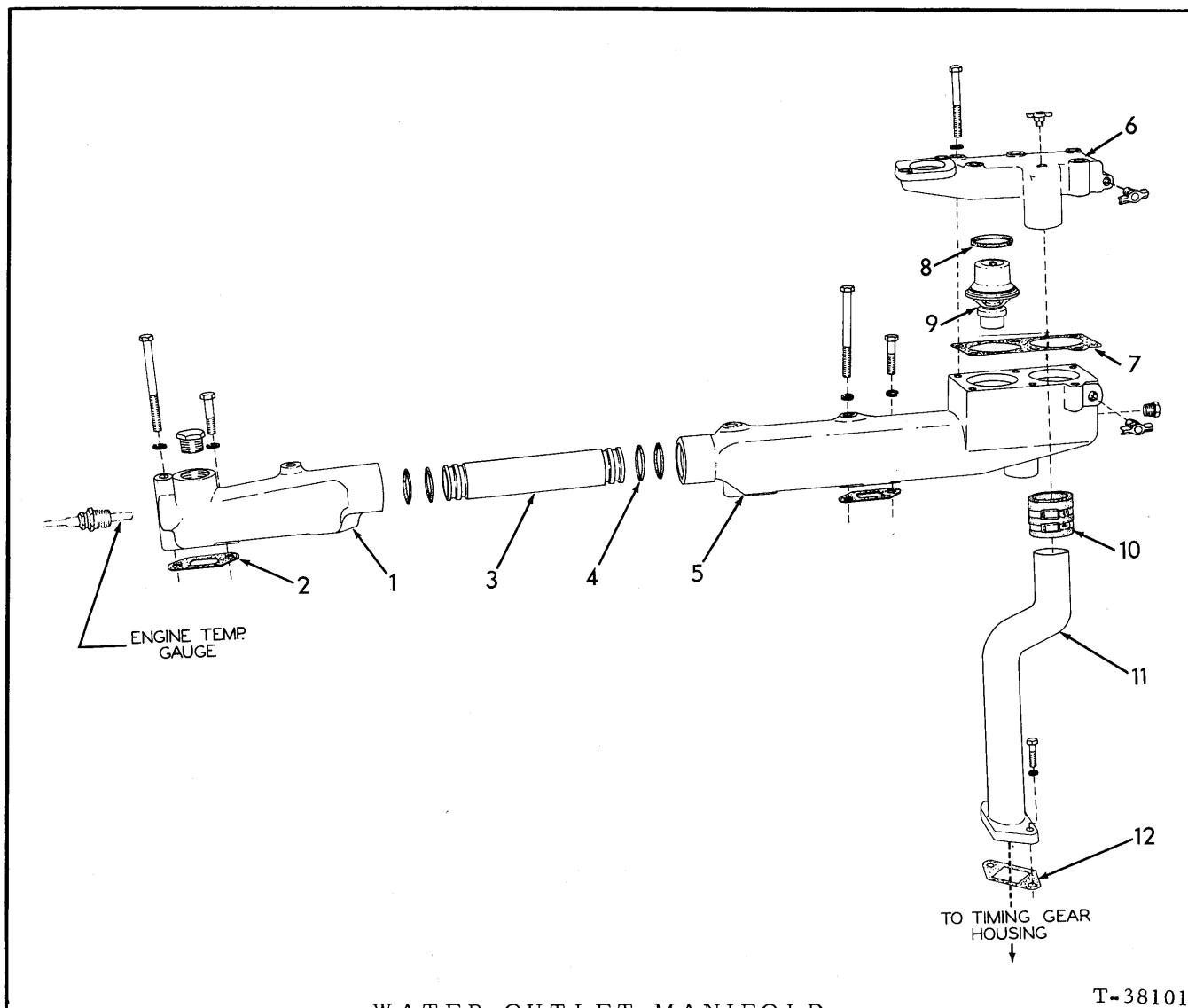
* Engines prior to serial No. 10-14129 and 11-14220
 ** Effective with engines serial No. 10-14129 and 11-14220

		QTY.		
ITEM	PART NO.	*	**	DESCRIPTION
<u>NOTE:</u> See GENERATOR for listing of driving belt				
1	{ 4338662	1	-	PUMP ASSEMBLY (Consists of items 2 thru 16)
		-	1	PUMP ASSEMBLY (Consists of items 4 thru 16)
	916271	6	6	CAPSCREW, 3/8"NC x 1"
	904206	6	6	LOCKWASHER, 3/8"
2	4375686	1	-	NUT, impeller retaining
3	4041097	1	-	PIN, cotter, impeller nut
4	{ 4339103	1	-	IMPELLER ASSEMBLY (Includes ceramic insert)
		-	1	IMPELLER ASSEMBLY (Includes ceramic insert)
5	4507091	1	1	SEAL ASSEMBLY (Serviced only as a unit)

(Continued)

WATER PUMP (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
6	4507084	1	1	FLINGER, water
7	4348757	1	-	SHAFT ASSEMBLY (Includes item 6) KEY, #5 woodruff, 1/8" x 5/8"
	905121	1	-	
	4358787	-	1	SHAFT ASSEMBLY (Includes item 6)
8	4338663	1	1	BODY, water pump
9	4044212	1	1	BEARING, ball, rear
10	4044211	1	1	SPACER, bearing
11	4044210	1	1	BEARING, ball, front
12	4044209	1	1	WASHER, retaining
13	4348825	1	1	WASHER, sealing
14	4335320	1	1	RETAINER, sealing washer
15	4053968	1	1	LOCKWIRE, sealing washer retainer
16	4335808	1	-	FLANGE, driving pulley
	4358800	-	1	FLANGE, driving pulley
	910847	1	1	NUT, 3/4"NF
	917680	1	1	NUT, Pal locking, 3/4"
17	4339503	1	1	PULLEY
	916206	4	-	CAPSCREW, 5/16"NF x 7/8" (Early units)
	911169	4	4	CAPSCREW, 5/16"NF x 5/8" (Late units)
	904205	4	4	LOCKWASHER, 5/16"
18	4346744	1	1	□GASKET, water pump
19	4335056	1	1	□GASKET, water pump volute
20	4349953	1	1	VOLUTE
	920131	1	1	PLUG, pipe, 3/8"NPT
	916274	5	5	CAPSCREW, 3/8"NC x 2-1/4"
	904206	5	5	LOCKWASHER, 3/8"
21	4336527	1	1	HOSE, lubricating
	914463	1	1	ADAPTER, 90°, 1/8"NPT male and female
	915274	1	1	FITTING, lubricating, 45°, 1/8"NPT
	911049	1	1	NUT, jam, 5/8"NF
22	4251849	1	1	CLIP, hose supporting



WATER OUTLET MANIFOLD

T-38101

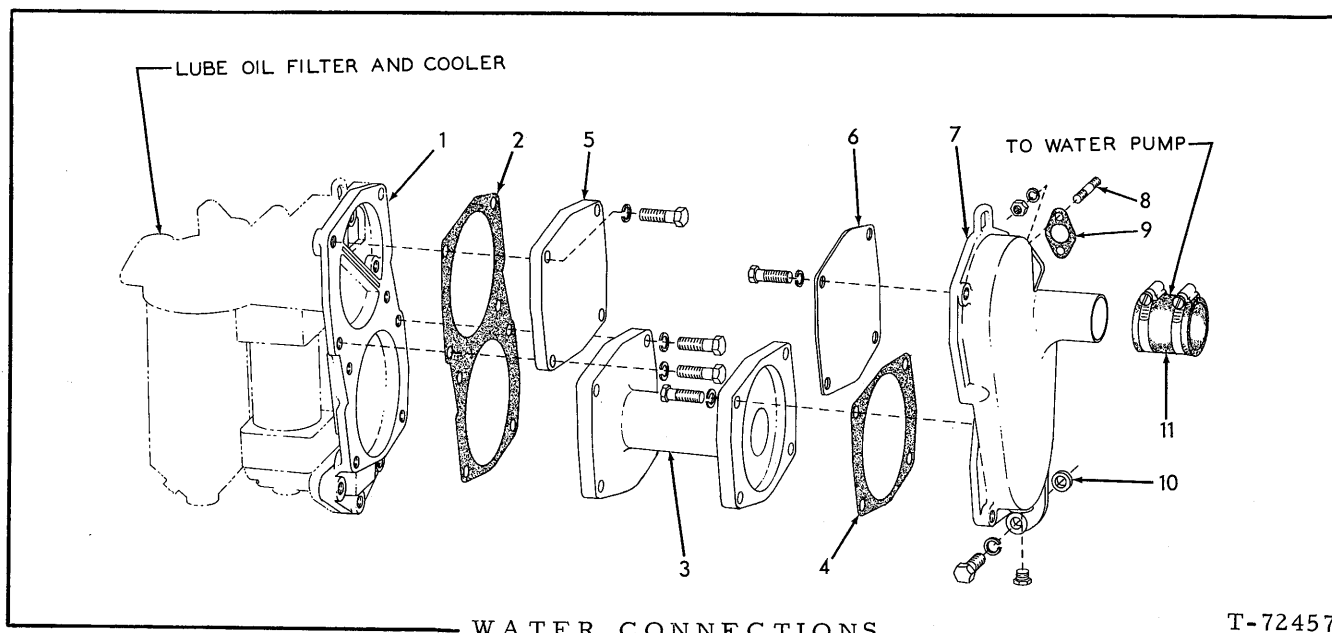
ITEM	PART NO.	QTY.	DESCRIPTION
1	4336506	1	MANIFOLD, water outlet, rear
	920525	1	PLUG, pipe, hex-hd., 3/4"NPT
	914847	2	CAPSCREW, 3/8"NC x 1-1/2"
	916275	2	CAPSCREW, 3/8"NC x 3-3/4"
	904206	4	LOCKWASHER, 3/8"
2	4336182	4	☐ GASKET, water manifold
3	4336156	1	TUBE, water manifold connecting
4	4252796	4	☐ O-RING, water manifold connecting tube
5	4338243	1	MANIFOLD, water outlet, front
	920333	1	PLUG, hex-hd., 3/8"NPT
	914847	2	CAPSCREW, 3/8"NC x 1-1/2"
	916275	2	CAPSCREW, 3/8"NC x 3-3/4"
	904206	4	LOCKWASHER, 3/8"
	912415	1	COCK, T-handle, 1/4"NPT (air venting)

☐ Also see PACKAGED PARTS

(Continued)

WATER OUTLET MANIFOLD (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
6	4358754	1	HOUSING ASSEMBLY, thermostat (Includes item 8)
	912415	2	COCK, T-handle, 1/4"NPT (air vent and drain)
	919227	6	CAPSCREW, 3/8"NC x 3-1/4"
	904206	6	LOCKWASHER, 3/8"
7	4336263	1	□GASKET, thermostat housing
8	4317554	2	SEAL, thermostat
9	4354537	2	THERMOSTAT
10	4337602	1	HOSE, water by-pass pipe
	4255012	2	CLAMP, hose
11	4338242	1	PIPE, water by-pass
	919224	2	CAPSCREW, 3/8"NC x 1-1/8"
	904206	2	LOCKWASHER, 3/8"
12	4347031	1	□GASKET, water by-pass pipe
			□Also see PACKAGED PARTS



WATER CONNECTIONS

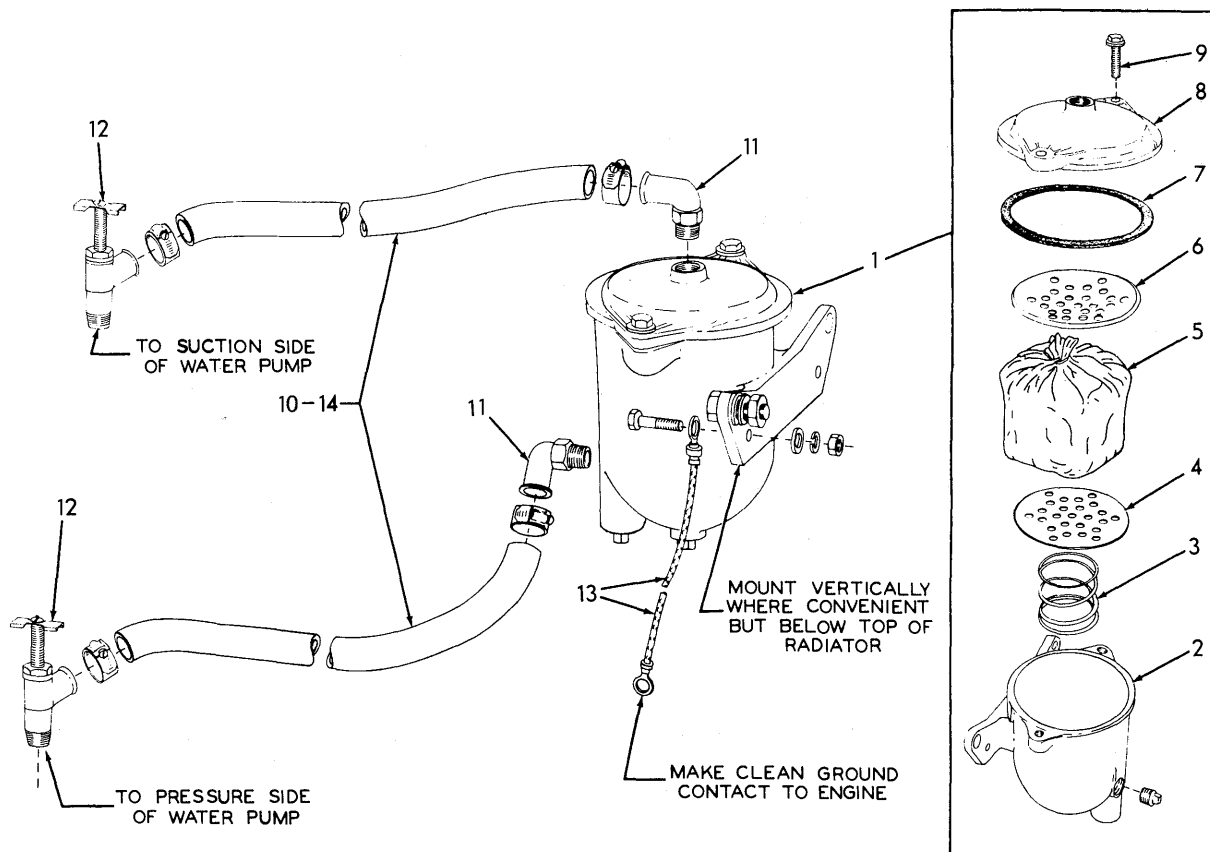
T-72457

USAGE: Engines prior to serial No. 11-18273; 10-14953

ITEM PART NO. QTY. DESCRIPTION

1	4339116	1	COVER, rear
2	4339698	1	GASKET, rear cover
3	4339216	1	TUBE, connecting
	916313	8	CAPSCREW, 1/2"NC x 1-3/4"
	904208	8	LOCKWASHER, 1/2"
4	4339115	1	GASKET, front cover
5	4339218	1	COVER, water passage, rear
	916255	1	CAPSCREW, 7/16"NC x 1-3/4"
	904207	1	LOCKWASHER, 7/16"
	916313	2	CAPSCREW, 1/2"NC x 1-3/4"
	904208	2	LOCKWASHER, 1/2"
6	4339217	1	COVER, water passage, front
	916308	4	CAPSCREW, 1/2"NC x 7/8"
	904208	4	LOCKWASHER, 1/2"
7	4339125	1	COVER, front
	919840	1	PLUG, pipe, hex-hd., 1/4"NPT
	921556	1	CAPSCREW, 1/2"NC x 2"
	904208	1	LOCKWASHER, 1/2"
8	4514091	2	STUD, attaching, front cover
	917705	2	NUT
	904206	2	LOCKWASHER, 3/8"
9	4348185	1	GASKET, front cover to block
10	4252784	1	WASHER, spacing, front cover (Units without turbocharger)
11	4506737	1	HOSE, water pump to cooler
	4253922	2	CLAMP, hose

□ Also see PACKAGED PARTS



COOLANT FILTER

T-74636

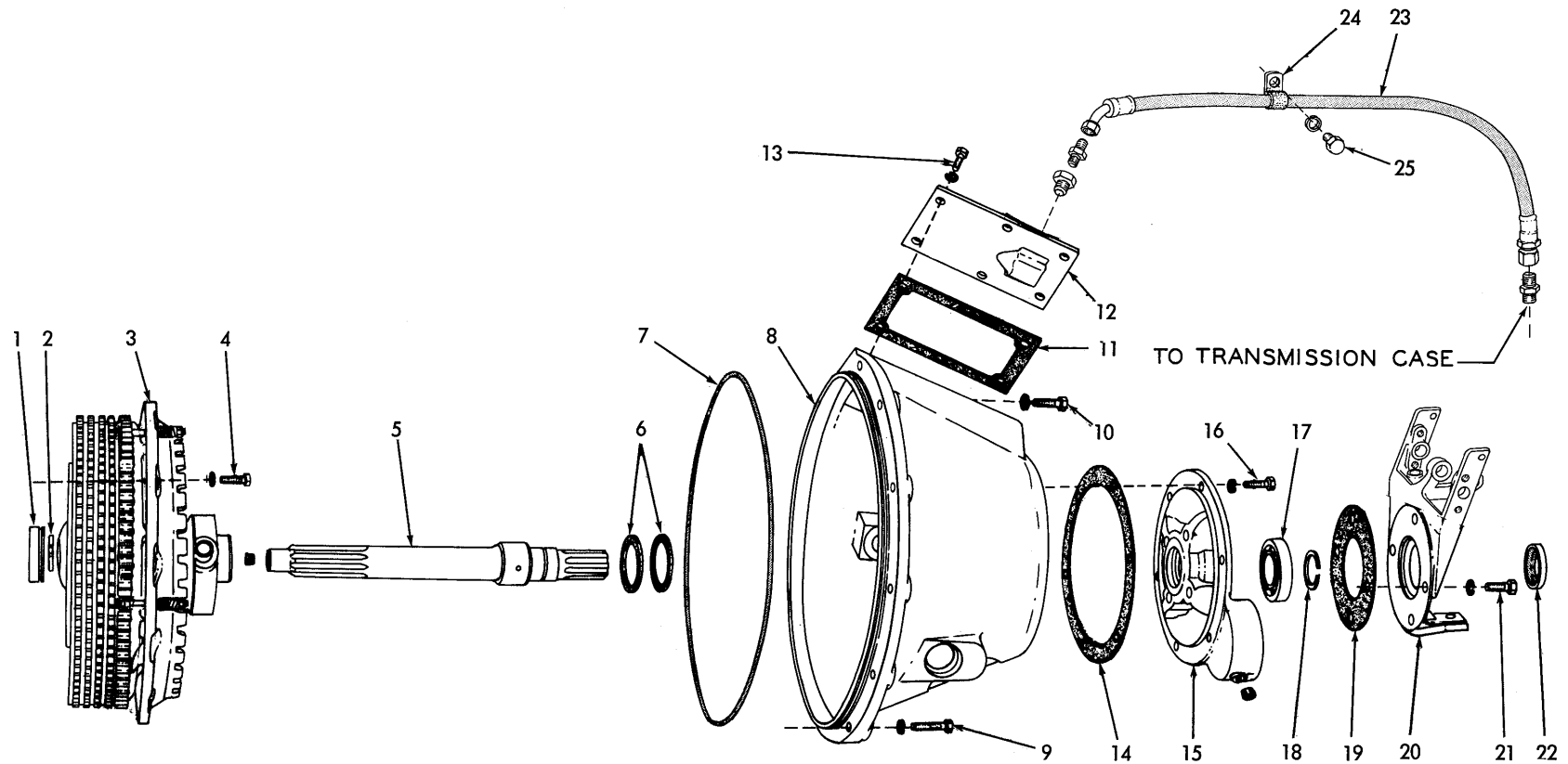
USAGE: Special equipment

ITEM	PART NO.	QTY.	DESCRIPTION
-	4357825	1	FILTER KIT (Consists of items 1 thru 13)
1	4387474	1	FILTER ASSEMBLY, water (Consists of items 2 thru 9. Has element for use with permanent anti-freeze)
	916311	2	CAPSCREW, 1/2"NC x 1-1/4"
	910244	2	WASHER, plain, SAE std., 1/2"
	904208	2	LOCKWASHER, 1/2"
	910325	2	NUT, 1/2"NC
	914670	2	CAPSCREW, 5/16"NC x 1-1/8"
	910335	2	WASHER, plain, SAE std., 5/16"
	904205	2	LOCKWASHER, 5/16"
	910323	2	NUT, 5/16"NC
2	4055031	1	BODY, filter
	920131	2	PLUG, pipe, 3/8"NPT
3	4054569	1	SPRING, filter element
4	4054568	1	PLATE, filter element. lower

(Continued)

COOLANT FILTER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
5	4058830	1	ELEMENT KIT, filter (Includes item 9)(Cannot be used with permanent anti-freeze)
	4058831	1	ELEMENT KIT, filter (Includes item 9)(Can be used with permanent anti-freeze)
6	4055034	1	PLATE, filter element, upper
7	4054566	1	GASKET, filter cover
8	4055032	1	COVER, filter
9	4055033	2	BOLT ASSEMBLY, filter cover (Includes washer)
10	-----	1	HOSE (86" length. Cut to suit installation)(For service replacement order item 14)
	921911	4	CLAMP, hose, 11/16" to 1-1/4" diam.
11	4255286	2	ELBOW, water hose (90°, 5/8" nipple, 3/8"NPT)
12	4255772	2	VALVE, water shut-off (90°, 5/8" nipple, 3/8"NPT)
13	4059367	1	CABLE, ground
14	920722	-	HOSE, rubber, 5/8" I.D., 25 ft. roll (Use as required)

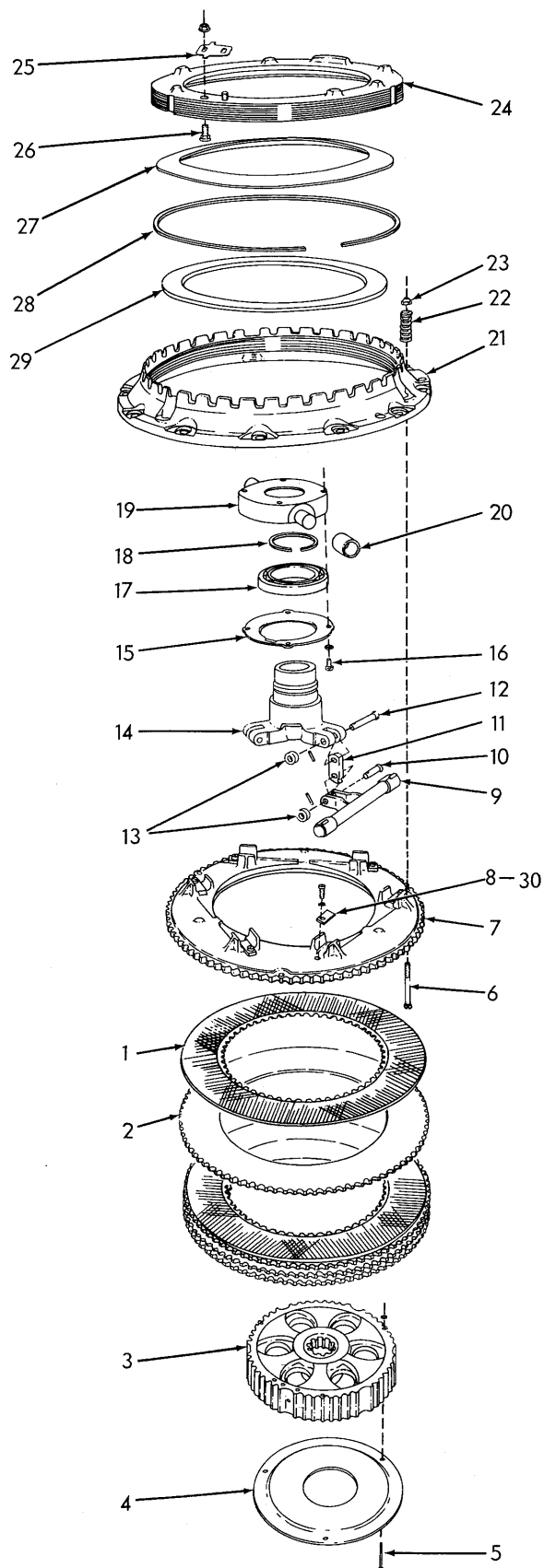


ENGINE CLUTCH AND HOUSING

T-72054

ENGINE CLUTCH AND HOUSING

ITEM	PART NO.	QTY.	DESCRIPTION	
1	097088	1	BEARING, ball, clutch shaft, front	
2	642216	1	RING, snap, clutch thrust	
3	645450	1	CLUTCH ASSEMBLY, engine (See page 101 for parts)	
4	035439	12	CAPSCREW, 3/8"NC x 1"	
	904206	12	LOCKWASHER, 3/8"	
5	642218	1	SHAFT, clutch	
	915739	1	PLUG, pipe, sq-socket, 3/8"NPT	
6	620279	2	SEAL, oil, clutch shaft	
7	620471	1	O-RING, clutch housing	
8	629968	1	HOUSING, engine clutch	
9	041914	10	CAPSCREW, 3/8"NC x 1-7/8"	
	013059	1	CAPSCREW, 3/8"NC x 2" (Also attaches hose support)	
10	040382	1	CAPSCREW, 3/8"NC x 1-3/8"	
	904206	12	LOCKWASHER, 3/8"	
11	629972	1	GASKET, access cover	
12	629973	1	COVER, clutch access	
13	035439	6	CAPSCREW, 3/8"NC x 1"	
	904206	6	LOCKWASHER, 3/8"	
14	078814	1	GASKE T, rear bearing retainer	
15	634156	1	RETAINER, clutch shaft rear bearing	
	915739	1	PLUG, pipe, sq-socket, 3/8"NPT	
16	013058	3	CAPSCREW, 3/8"NC x 1-1/4"	
	904206	3	LOCKWASHER, 3/8"	
17	042847	1	BEARING, ball, clutch shaft, rear	
18	050293	1	RING, snap, clutch shaft	
19	050647	1	GASKE T, steering control bracket	
20	637987	1	BRACKET, steering control	
21	035733	4	CAPSCREW, 1/2"NC x 1-3/8"	
	904208	4	LOCKWASHER, 1/2"	
22	096761	1	SEAL, oil, clutch shaft, rear	
23	653836	1	HOSE, breather, clutch housing (See HOSE PARTS)	} Used prior to tractor #12869
	919171	2	CONNECTOR, flare type, 1/4" tube, 1/8"NPT	
	901838	1	BUSHING, pipe reducing, 3/8"NPT to 1/8"NPT	
	660034	1	HOSE, breather, clutch housing (See HOSE PARTS)	} Effective with tractor #12869
	919063	2	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male	
24	644006	1	CLIP, hose supporting (9/16" diam.)(Used prior to tractor #12869)	
	644713	1	CLIP, hose supporting (7/8" diam.)(Effective with tractor #12869)	
25	035718	1	CAPSCREW, 1/2"NC x 3/4"	
	904208	1	LOCKWASHER, 1/2"	



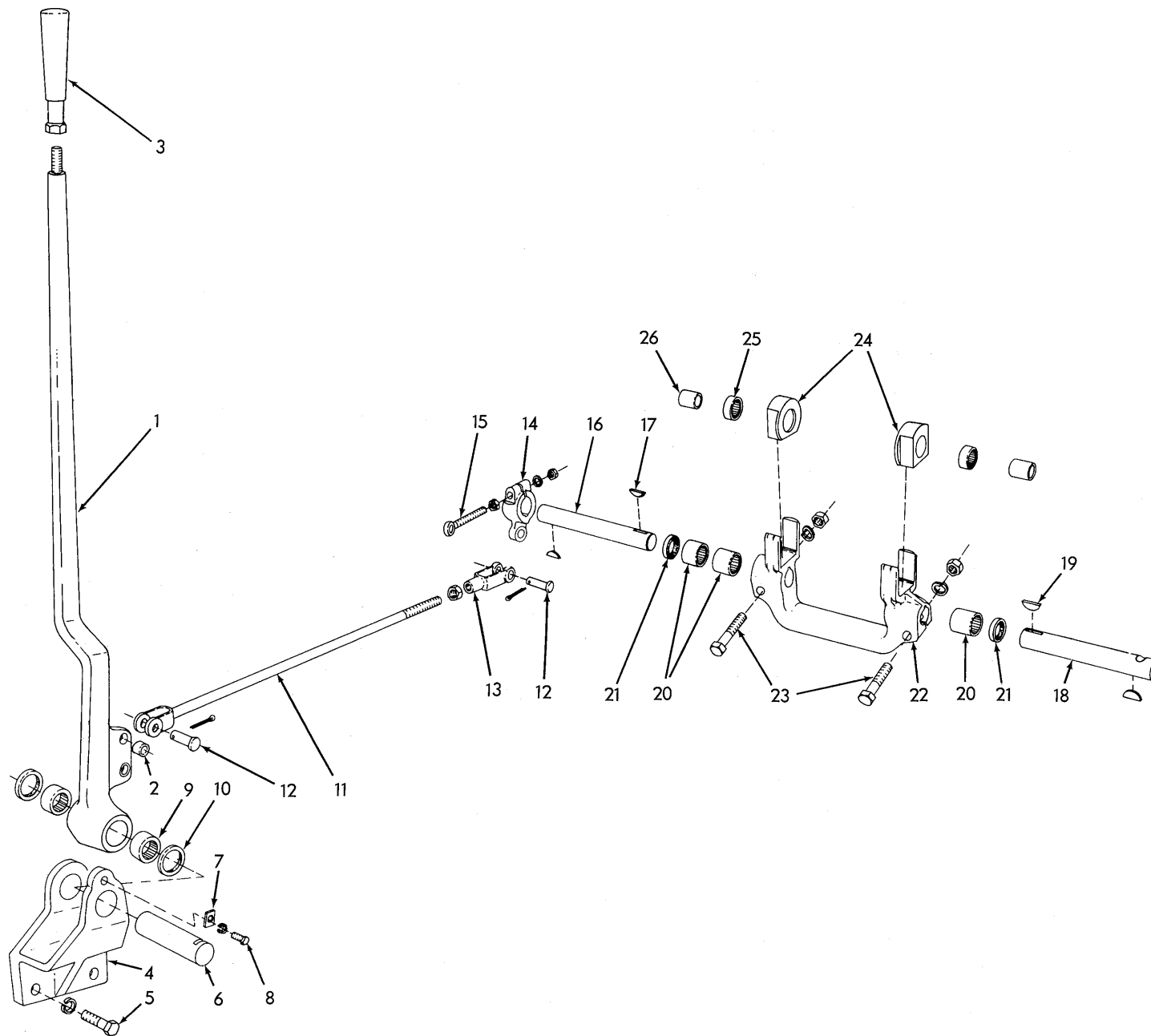
CLUTCH ASSEMBLY 645450

T-72028

CLUTCH ASSEMBLY 645450

USAGE: See page 99

ITEM	PART NO.	QTY.	DESCRIPTION
1	645451	5	DISC, friction, inner
2	642453	4	DISC, friction, outer
3	642215	1	CENTER, splined
4	644297	1	COVER, splined center
5	642217	3	RIVET, cover retaining
	645706	3	WASHER, plain
6	623456	3	CAPSCREW, retracting spring
7	638621	1	PLATE ASSEMBLY, pressure (Includes item 8)
8	223585	6	BLOCK, cam (Recommend replacement in sets. See item 30)
	901226	6	SCREW, machine, fl-hd., 1/4"NC x 1/2"
	914593	6	LOCKWASHER, external teeth, 1/4"
9	638651	3	CAMSHAFT ASSEMBLY (Recommend replacement in sets. Includes 6 rollers which are not serviced separately and PIN indented below)
	917466	3	PIN, roll, 3/16" x 1-1/8"
10	638649	3	PIN, connecting link, short
	919180	3	PIN, roll, 1/8" x 5/8"
11	630808	3	LINK, connecting
12	638648	3	PIN, connecting link, long
	919180	3	PIN, roll, 1/8" x 5/8"
13	638650	6	COLLAR, connecting link pin
14	630805	1	SLEEVE ASSEMBLY, shifting (Includes 2 bushings which are not serviced separately)
15	630806	1	PLATE, bearing carrier
16	045312	4	CAPSCREW, 5/16"NC x 5/8"
	904205	4	LOCKWASHER, 5/16"
17	057773	1	BEARING, ball, shifting sleeve
18	073908	1	RING, retaining, shifting sleeve bearing
19	630807	1	CARRIER ASSEMBLY, bearing (Includes item 20)
20	056864	2	RACE, inner, shifting yoke needle bearing
21	623449	1	PLATE, back
22	639751	3	SPRING, pressure plate retracting
23	073927	3	NUT, retracting spring screw (self-locking)
24	624669	1	RING, adjusting
25	646825	1	LOCK, adjustment
26	639752	2	SCREW (fl-hd., 3/8"NF x 7/8")
	639750	2	NUT, flanged (3/8"NF)
27	624670	1	WASHER, pressure
28	623452	1	RING, washer retaining
29	623453	1	PLATE, adjusting ring
30	043397	1	BLOCK KIT, clutch camshaft (Full set of blocks and attaching parts listed under item 8 above)

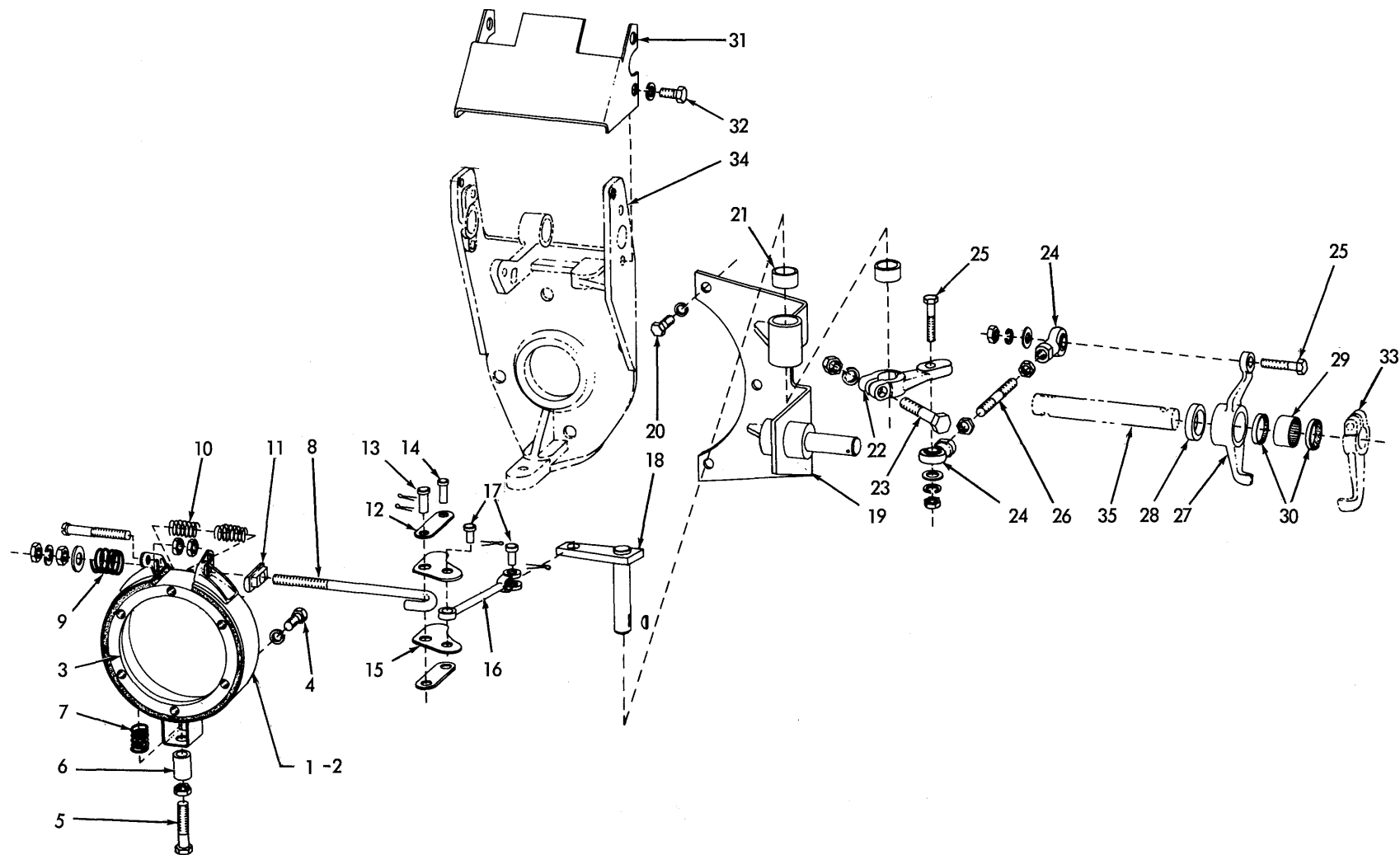


ENGINE CLUTCH CONTROL

T-41879

ENGINE CLUTCH CONTROL

ITEM	PART NO.	QTY.	DESCRIPTION
1	651797	1	LEVER ASSEMBLY, clutch operating (Includes 2 BUSHING 049988)
2	049988	1	BUSHING, clutch operating lever
3	078620	1	GRIP, operating lever
4	633076	1	BRACKET, clutch operating lever
5	035067	4	CAPSCREW, 1/2"NF x 2"
	904208	4	LOCKWASHER, 1/2"
6	056945	1	SHAFT, pivot, operating lever
7	050221	1	BLOCK, shaft locking
8	047478	1	CAPSCREW, 1/4"NC x 5/8"
	904204	1	LOCKWASHER, 1/4"
9	051513	2	BEARING, needle, operating lever shaft
10	053926	2	SEAL, dust, needle bearing
11	642825	1	ROD, operating lever
	911043	1	NUT, 1/2"NF
12	049993	2	PIN, yoke
	900805	2	PIN, cotter, 1/8" x 3/4"
13	068389	1	YOKE, operating rod
14	641728	1	LEVER, shifting yoke shaft
15	080704	1	BOLT, eye
	904206	1	LOCKWASHER, 3/8"
	911041	2	NUT, 3/8"NF
16	630508	1	SHAFT, clutch shifting yoke, left
17	036997	2	KEY, #13 woodruff, 3/16" x 1", hardened
18	632719	1	SHAFT, clutch shifting yoke, right
19	036997	2	KEY, #13 woodruff, 3/16" x 1", hardened
20	604925	3	BEARING, needle, shifting yoke shaft
21	603010	2	SEAL, oil, shifting yoke shaft
22	632082	1	YOKE, clutch shifting
23	035068	2	CAPSCREW, 1/2"NF x 2"
	904208	2	LOCKWASHER, 1/2"
	911043	2	NUT, 1/2"NF
24	053929	2	BLOCK, sliding, shifting yoke
25	050442	2	BEARING, needle, shifting yoke
26	-----	2	RACE, inner, needle bearing (See CLUTCH ASSEMBLY)



ENGINE CLUTCH BRAKE

T-72055

ENGINE CLUTCH BRAKE

ITEM	PART NO.	QTY.	DESCRIPTION
1	630169	1	BAND ASSEMBLY, brake (Includes item 2)
	907620	1	SCREW, machine, fil-hd., 1/4"NC x 2-3/4"
	911024	2	NUT, 1/4"NC
2	-----	4	LINING, brake band (Not serviced separately)
3	630040	1	DRUM, brake
4	035439	6	CAPSCREW, 3/8"NC x 1"
	904206	6	LOCKWASHER, 3/8"
5	630493	1	CAPSCREW, band supporting
	911025	1	NUT, 5/16"NC
6	630498	1	SPACER, band supporting screw
7	059981	1	SPRING, band supporting
8	630510	1	BOLT, band adjusting
	912298	1	WASHER, plain, SAE std., 7/16"
	904207	1	LOCKWASHER, 7/16"
	914879	2	NUT, jam, 7/16"NC
9	050972	1	SPRING, band adjusting bolt
10	619260	2	SPRING, band expanding
11	059973	1	SHOE, cam lever
12	059971	2	LINK, cam lever
13	049993	1	PIN, cam lever link, rear
	900805	1	PIN, cotter, 1/8" x 3/4"
14	094317	1	PIN, cam lever link, front
	900805	1	PIN, cotter, 1/8" x 3/4"
15	639974	2	LEVER, cam
16	630446	1	LINK, connecting
17	078810	2	PIN, connecting link
	900802	2	PIN, cotter, 3/32" x 1"
18	639954	1	LEVER, brake control, upper
19	630521	1	BRACKET ASSEMBLY, lever supporting (Includes item 21)
20	070960	3	CAPSCREW, 3/8"NC x 1-1/2"
	904206	3	LOCKWASHER, 3/8"
21	052669	2	BUSHING, lever supporting bracket
22	639952	1	LEVER, brake control, intermediate
	905121	1	KEY, #5 woodruff, 1/8" x 5/8"
23	203188	1	CAPSCREW, 3/8"NF x 1-1/2"
	904206	1	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8"NF
24	617932	2	END, control rod
25	203188	2	CAPSCREW, 3/8"NF x 1-1/2"
	911115	2	WASHER, plain, SAE std., 3/8"
	904206	2	LOCKWASHER, 3/8"
	911041	2	NUT, 3/8"NF

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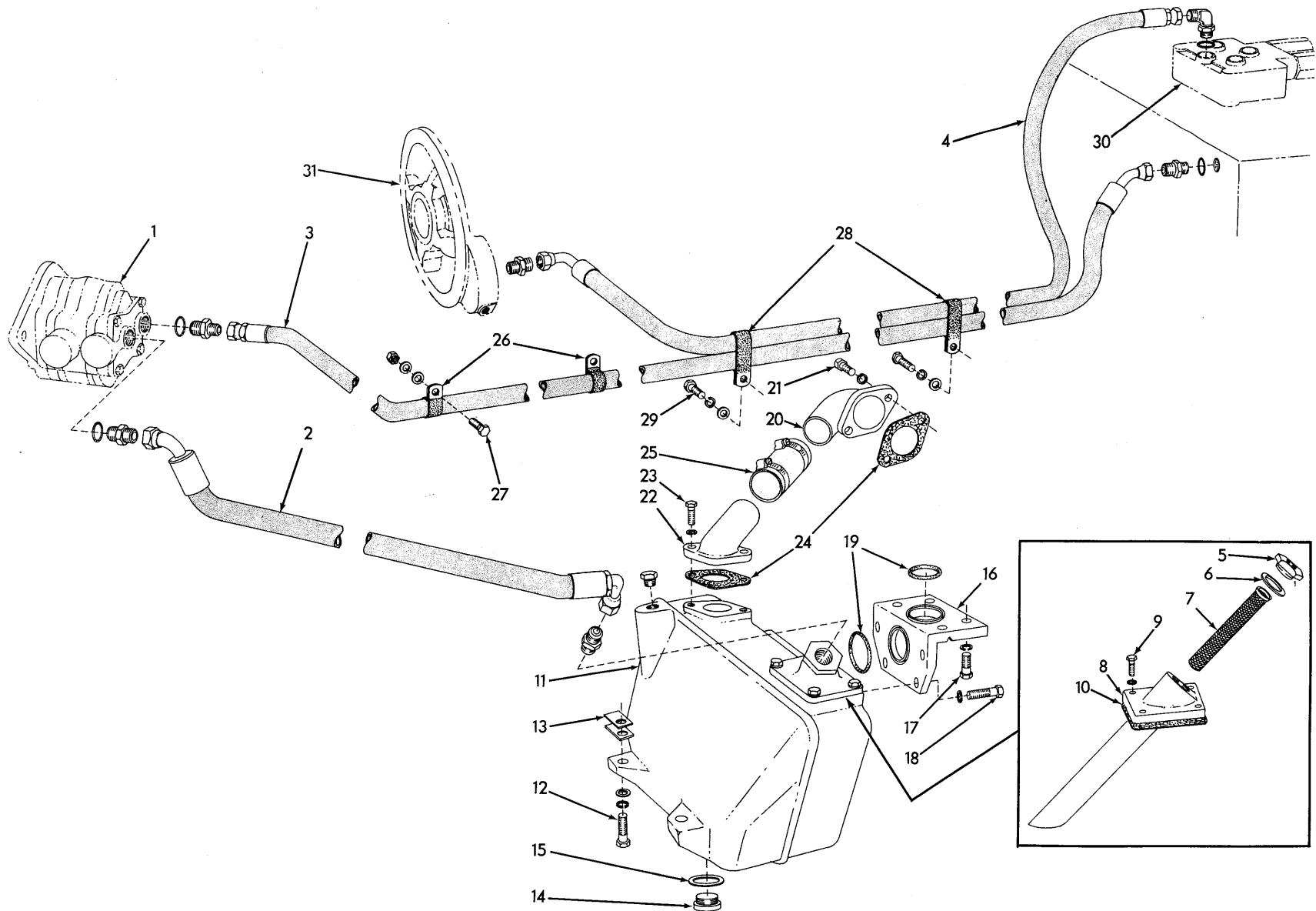
ENGINE CLUTCH BRAKE (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
26	633955	1	ROD, control
	911048	2	NUT, jam, 3/8"NF
27	630437	1	LEVER, brake control, lower
28	632072	1	SPACER, brake control lever
29	051513	1	BEARING, needle, brake control lever
30	053926	2	SEAL, dust, needle bearing
31	633047	1	COVER, dirt shielding
32	035244	4	CAPSCREW, 3/8"NC x 3/4"
	904206	4	LOCKWASHER, 3/8"
33	-----	-	LEVER (See SPEED SELECTION GEAR SHIFT)
34	-----	-	BRACKET (See ENGINE CLUTCH AND HOUSING)
35	-----	-	SHAFT, shifting yoke (See ENGINE CLUTCH CONTROL)

ENGINE CLUTCH OILING SYSTEM

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	PUMP ASSEMBLY, oil (See HYDRAULIC STEERING CONTROL)
2	653834	1	HOSE, tank to pump
	919342	1	CONNECTOR, flare type, 3/4" tube, 3/4"NPT male
	922981	1	CONNECTOR, flare type, 3/4" tube, 7/8" straight thread (Includes O-RING 921205)
3	653832	1	HOSE, pump to steering clutch housing (See page 6)
	921409	1	CONNECTOR, flare type, 1/2" tube, 3/4" straight thread (Includes O-RING 921349)
	923717	1	CONNECTOR, flare type, 1/2" tube, 7/8" straight thread (Includes O-RING 921205)
4	653835	1	HOSE, valve to engine clutch housing (See page 6)
	921402	1	ELBOW, adjustable, flare type, 90°, 1/2" tube, 3/4" straight thread (Includes O-RING 921349)
	919063	1	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
5	620072	1	ADAPTOR, oil tank
6	035249	1	GASKET, oil tank adaptor
7	621039	1	SCREEN, oil
8	623328	1	COVER, oil tank
9	013058	4	CAPSCREW, 3/8"NC x 1-1/4"
	904206	4	LOCKWASHER, 3/8"
10	623329	1	GASKET, oil tank cover
11	630033	1	TANK, oil
	920525	1	PLUG, pipe, hex-hd., 3/4"NPT
12	035236	2	CAPSCREW, 1/2"NC x 1-3/4"
	904208	2	LOCKWASHER, 1/2"
	064531	2	WASHER, plain
13	622520	2	SHIM, tank mounting (1/16" thick. Use as required)
	622521	6	SHIM, tank mounting (1/32" thick. Use as required)
14	035250	1	PLUG, oil drain
15	035249	1	GASKET, oil drain plug
16	620348	1	ELBOW, connecting, flywheel housing to tank
17	035061	4	CAPSCREW, 1/2"NC x 1-1/4"
18	035236	4	CAPSCREW, 1/2"NC x 1-3/4"
	904208	8	LOCKWASHER, 1/2"
19	923814	2	O-RING, oil return elbow
20	630046	1	ELBOW, oil return, upper
21	044249	2	CAPSCREW, 3/8"NC x 1-1/8"
	904206	2	LOCKWASHER, 3/8"
22	630035	1	ELBOW, oil return, lower
23	013058	2	CAPSCREW, 3/8"NC x 1-1/4"
	904206	2	LOCKWASHER, 3/8"
24	630030	2	GASKET, oil return elbows

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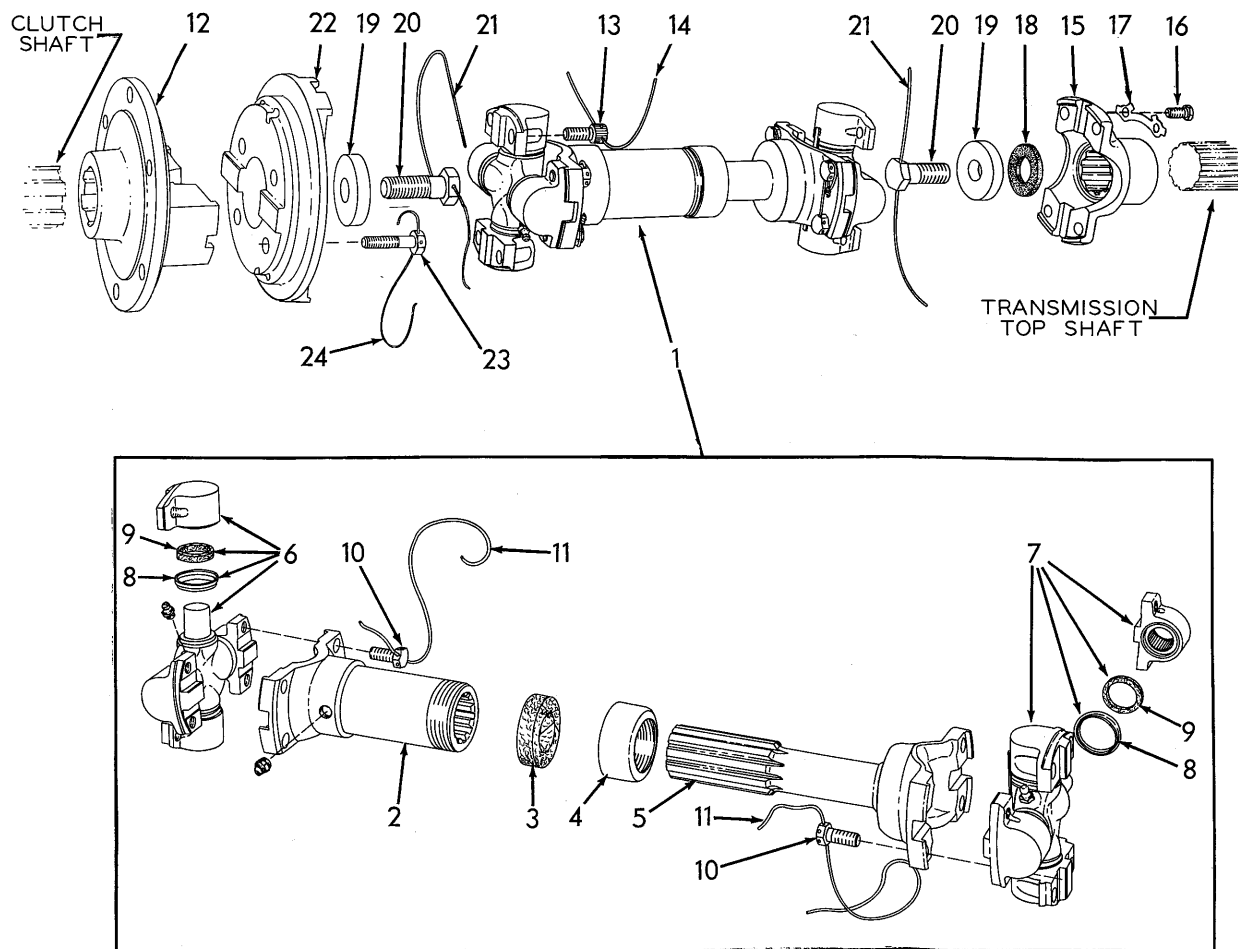


ENGINE CLUTCH OILING SYSTEM

T-72458

ENGINE CLUTCH OILING SYSTEM (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
25	623234	1	HOSE, oil return
	921913	2	CLAMP, hose, 1-13/16" to 2-3/4" diam.
26	644713	2	CLIP, hose supporting (29/32" diam., 17/32" bolt-hole)
27	035718	1	CAPSCREW, 1/2"NC x 3/4"
	910244	1	WASHER, plain, SAE std., 1/2"
	904208	1	LOCKWASHER, 1/2"
	911028	1	NUT, 1/2"NC
28	644708	2	CLIP, hose supporting (For two 7/8" diam. lines, 17/32" bolt-hole)
29	035221	2	CAPSCREW, 1/2"NC x 1"
	904208	2	LOCKWASHER, 1/2"
	910244	2	WASHER, plain, SAE std., 1/2"
30	-----	-	VALVE (See CONTROL VALVE AND LINES)
31	-----	-	RETAINER (See ENGINE CLUTCH AND HOUSING)



UNIVERSAL JOINT

T-33472

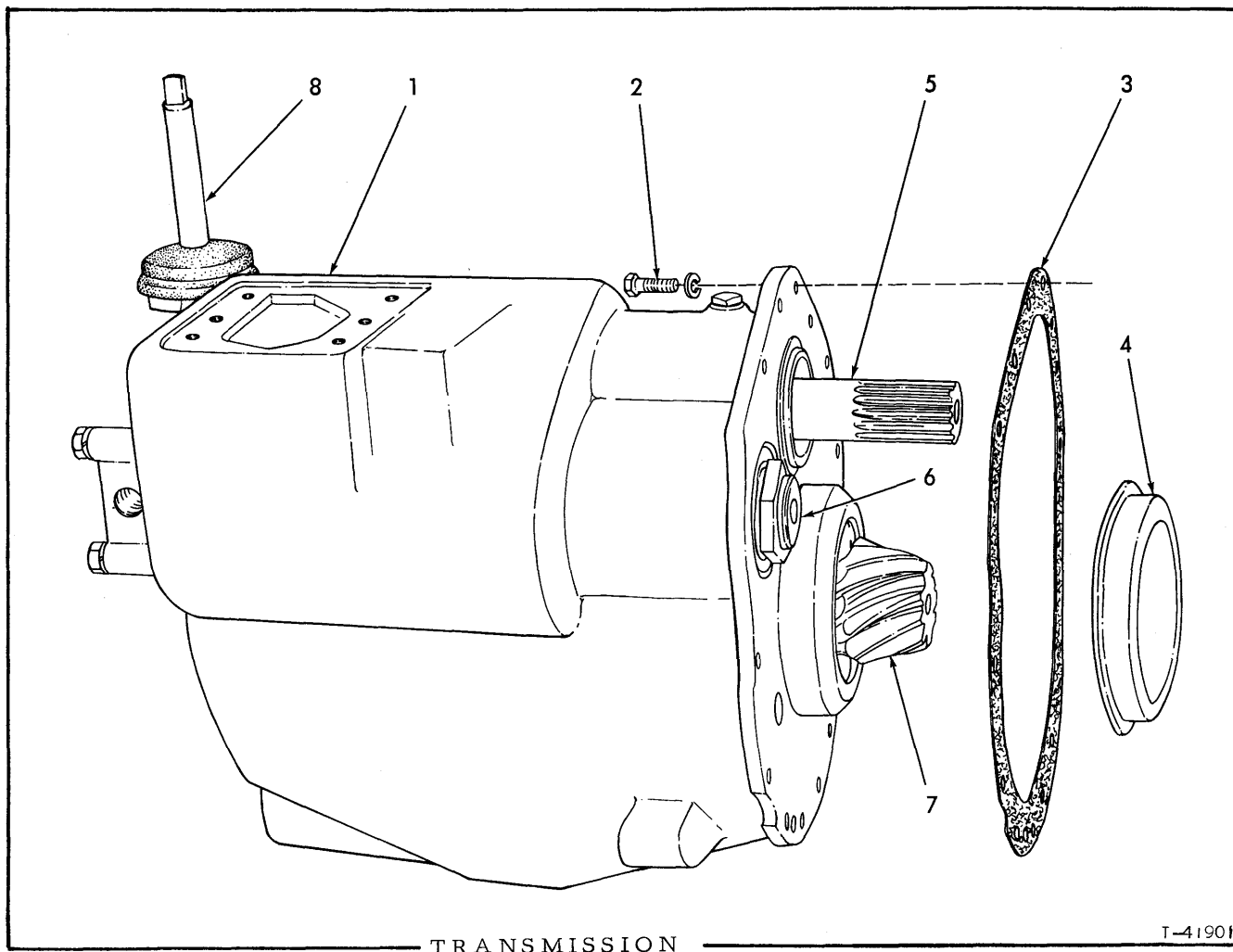
ITEM	PART NO.	QTY.	DESCRIPTION
1	644089	1	JOINT ASSEMBLY, universal (Consists of items 2 thru 11)
2	644411	1	YOKE, slip (front)
	914465	1	FITTING, lubricating, straight, 1/8"NPT
3	644408	1	WASHER, sealing, slip yoke (felt)
4	644410	1	RETAINER, sealing washer
5	644409	1	YOKE, stub (rear)
6	084328	1	SPIDER ASSEMBLY, front
	914687	1	FITTING, lubricating, straight, 1/4"NF
7	085918	1	SPIDER ASSEMBLY, rear
	914687	1	FITTING, lubricating, straight, 1/4"NF
8	059873	8	SHIELD, dust
9	076461	8	WASHER, sealing (cork)

Each includes bearings, items 8, 9 and indented lubricating FITTING

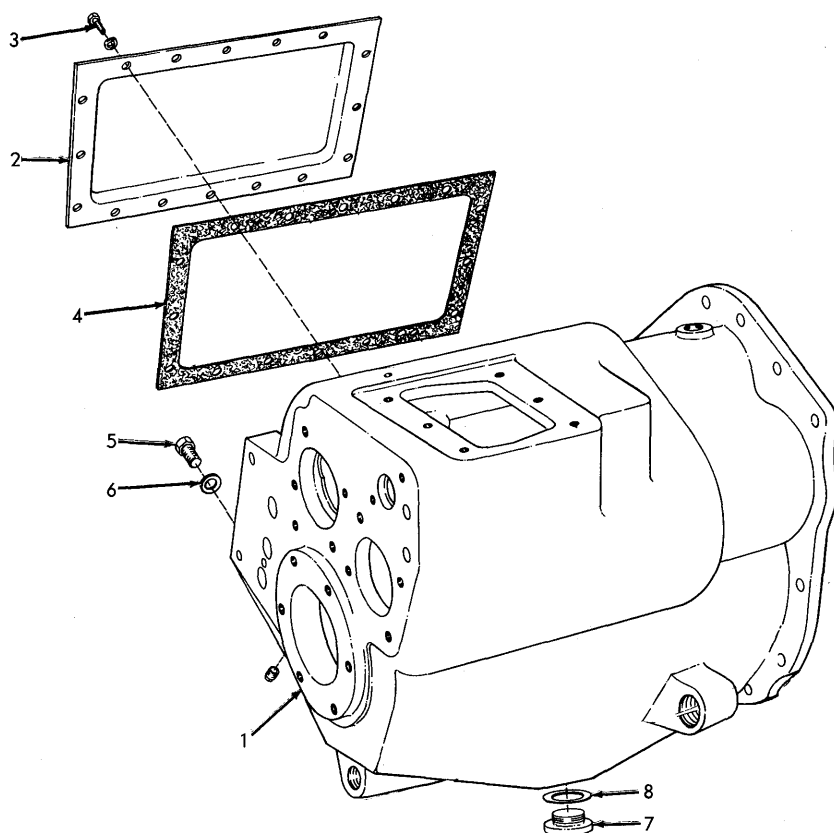
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UNIVERSAL JOINT (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
10	074155	8	CAPSCREW, coupling
11	023633	4	WIRE, locking (1/16" x 12")
12	630023	1	YOKE, front
13	620778	4	CAPSCREW, front yoke
14	023633	2	WIRE, locking (1/16" x 12")
15	643952	1	YOKE, rear
16	035167	4	CAPSCREW, 3/8"NF x 7/8"
17	059876	2	LOCK, capscREW
18	050548	1	SEAL, rear yoke (rubber)
19	050547	2	WASHER, yoke retaining
20	070162	2	CAPSCREW, yoke retaining
21	023633	2	WIRE, locking (1/16" x 12")
22	643922	1	ADAPTER, front yoke
23	050927	4	CAPSCREW, drilled-hd., 3/8"NF x 1-1/4"
24	023633	1	WIRE, locking (1/16" x 12")



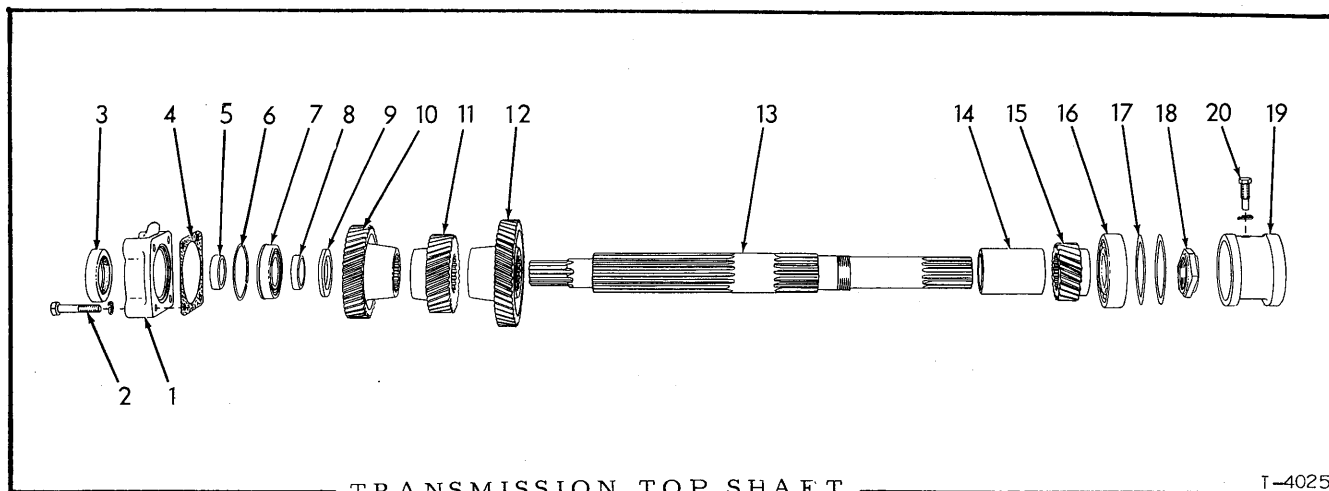
ITEM	PART NO.	QTY.	DESCRIPTION
1	653 904	1	TRANSMISSION ASSEMBLY (Includes Gears, Shafts and Shifting Forks)
2	035018	14	CAPSCREW, 1/2"NF x 1-1/2"
	904208	14	LOCKWASHER, 1/2"
3	623618	1	GASKET, case to steering clutch housing
4	630290	1	RING, adapting
5	-----	-	See TRANSMISSION TOP SHAFT
6	-----	-	See TRANSMISSION INTERMEDIATE SHAFT
7	-----	-	See TRANSMISSION PINION SHAFT
8	-----	-	See SPEED SELECTION GEAR SHIFT



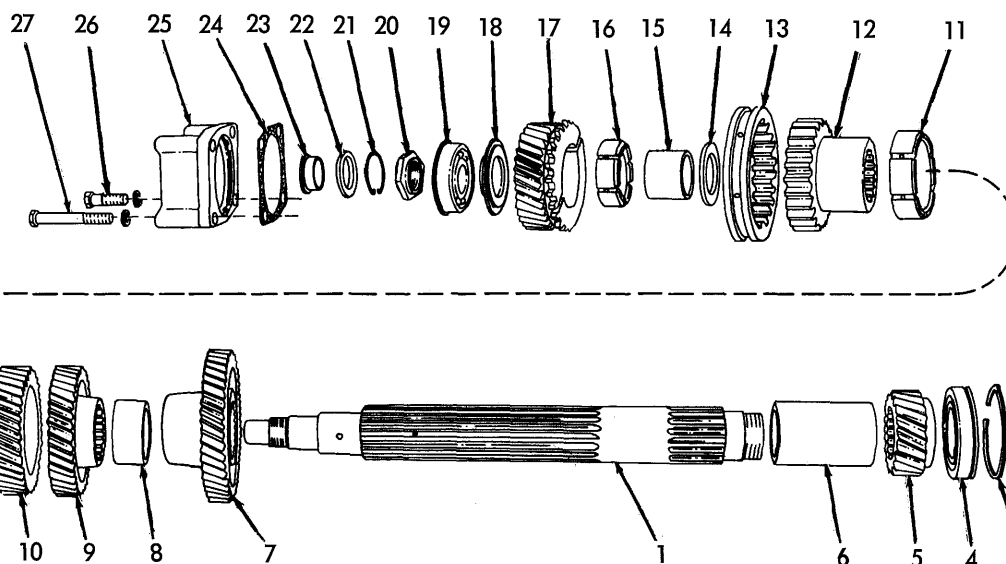
TRANSMISSION CASE

T-41897

ITEM	PART NO.	QTY.	DESCRIPTION
1	653903	1	CASE, transmission
	901653	1	PLUG, pipe, 3/8"NPT
2	078521	1	COVER, side
3	035439	12	CAPSCREW, 3/8"NC x 1"
	904206	12	LOCKWASHER, 3/8"
4	057432	1	GASKET, cover plate
5	035159	3	CAPSCREW, hole plugging (5/8"NF x 1")
6	049918	3	WASHER, hole plugging capscREW (copper)
7	035250	1	PLUG, drain
8	035249	1	GASKET, drain plug



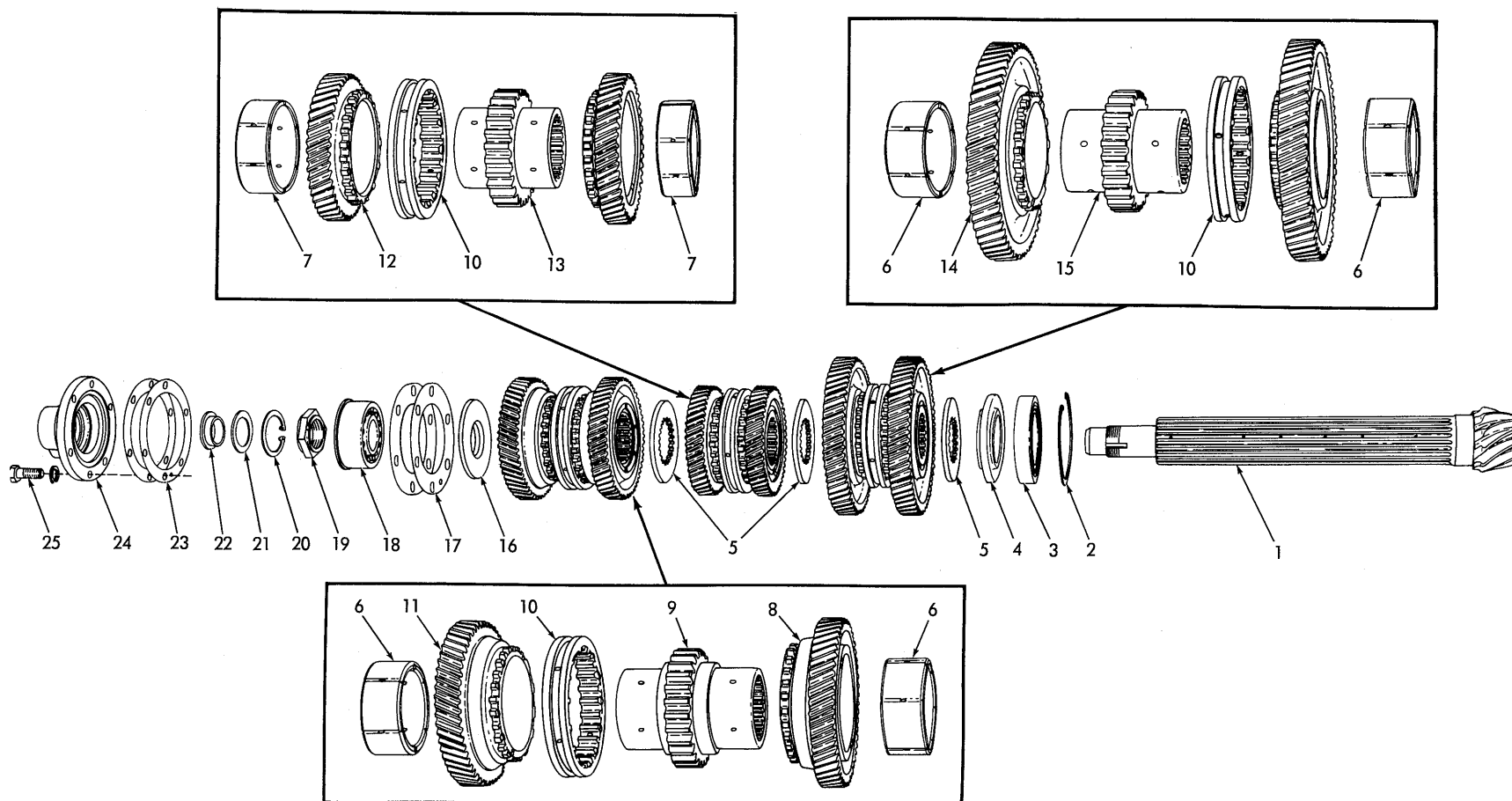
ITEM	PART NO.	QTY.	DESCRIPTION
1	623411	1	RETAINER, front bearing
2	028979	4	CAPSCREW, 1/2"NC x 2-1/2"
	904208	4	LOCKWASHER, 1/2"
3	628823	1	SEAL, oil, front bearing retainer
4	059261	1	GASKET, front bearing retainer
5	069463	1	SPACER, front bearing (1/2" thick)
6	057289	1	RING, snap, front bearing
7	057282	1	BEARING, roller, front
8	069459	1	SLEEVE, spacing, front bearing
9	069461	1	SPACER, hi-range and 2nd reverse gear (3/8" thick)
10	644120	1	GEAR, hi-range and 2nd reverse (41 teeth)
11	643486	1	GEAR, lo-range (34 teeth)
12	069235	1	GEAR, 3rd reverse (46 teeth)
13	621678	1	SHAFT, top
14	069456	1	SLEEVE, spacing (3-7/8" long)
15	069240	1	GEAR, 1st reverse (21 teeth)
16	069428	1	BEARING, ball, rear
17	069452	4	SHIM, bearing adjusting (.005" thick. Use as required)
18	078864	1	NUT, top shaft
19	641912	1	SLEEVE, rear bearing
20	621330	1	SCREW, sleeve locking
	904209	1	LOCKWASHER, 5/8"



TRANSMISSION INTERMEDIATE SHAFT

T-41902

ITEM	PART NO.	QTY.	DESCRIPTION
1	099026	1	SHAFT, intermediate
2	078864	1	NUT, rear
3	042121	1	RING, snap, rear bearing
4	057281	1	BEARING, roller, rear
5	069236	1	GEAR, 1st and 2nd speeds (22 teeth)
6	069457	1	SLEEVE, gear spacing (4-1/8" long)
7	069235	1	GEAR, 4th and 6th speeds (46 teeth)
8	069460	1	SLEEVE, gear spacing (1-5/16" long)
9	069239	1	GEAR, 3rd and 5th speeds (41 teeth)
10	069238	1	GEAR, low range (40 teeth)
11	623667	1	BUSHING, low range gear
12	069254	1	HUB, shifting collar and low range gear
13	647321	1	COLLAR, shifting
14	069458	1	WASHER, spacing, high-range gear
15	069389	1	RACE, inner, high-range gear
16	623666	1	BUSHING, high-range gear
17	644121	1	GEAR, high-range (32 teeth)
18	644117	1	WASHER, spacing, front bearing
19	054229	1	BEARING, ball, front (Includes snap ring)
20	078860	1	NUT, front
21	621446	1	RING, snap
22	621332	1	RING, oil sealing, outer
23	621333	1	RING, oil sealing, inner
24	634996	1	GASKET, bearing retainer
25	644113	1	RETAINER, front bearing
26	035061	1	CAPSCREW, 1/2"NC x 1-1/4"
27	061631	3	CAPSCREW, 1/2"NC x 3-1/2"
	904208	4	LOCKWASHER, 1/2"

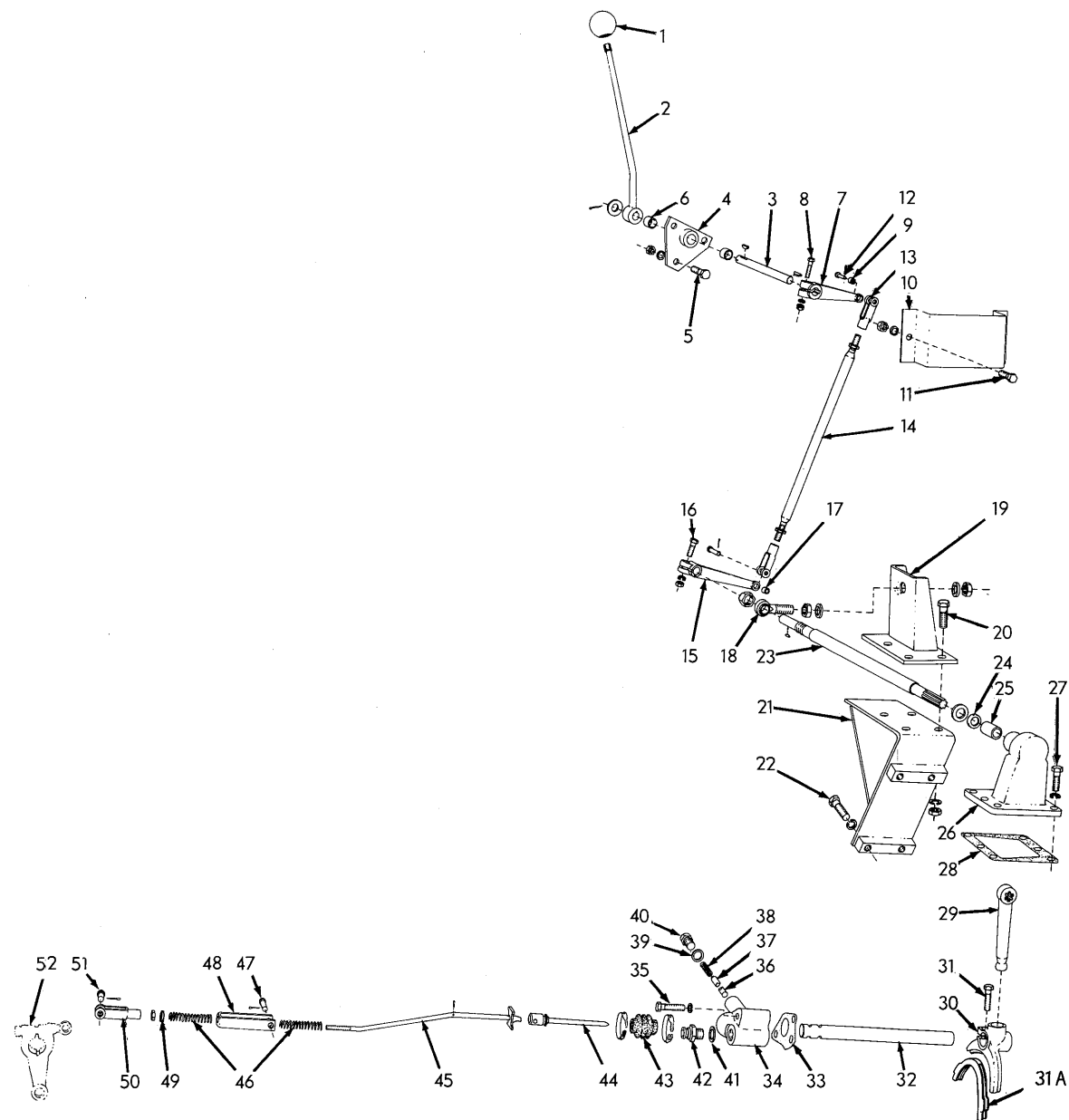


TRANSMISSION PINION SHAFT

T-32071

TRANSMISSION PINION SHAFT

ITEM	PART NO.	QTY.	DESCRIPTION
1	098998	1	PINION, bevel (11 teeth)
2	067627	1	RING, snap, rear bevel pinion bearing
3	057283	1	BEARING, roller, bevel pinion, rear
4	641909	1	SPACER, rear bevel pinion, (1" long)
5	069454	3	WASHER, gear spacing
6	623668	4	BUSHING, pinion shaft gears (2" long)
7	623669	2	BUSHING, pinion shaft gears (1-9/16" long)
8	069245	1	GEAR, 3rd and 5th speed (55 teeth)
9	099003	1	HUB, 2nd reverse and 3rd and 5th speed gears
10	650696	3	COLLAR, shifting
11	643487	1	GEAR, 2nd reverse (55 teeth)
12	069246	2	GEAR, 3rd reverse and 4th and 6th speed (48teeth)
13	099002	1	HUB, 3rd reverse and 4th and 6th speed gears
14	069248	2	GEAR, 1st reverse and 1st and 2nd speed (62 teeth)
15	099001	1	HUB, 1st reverse and 1st and 2nd speed gears
16	069455	1	WASHER, spacing, pinion front bearing
17	069511	1	SHIM, adjusting (.005" thick. Use as required)
	069512	8	SHIM, adjusting (.010" thick. Use as required)
18	043890	1	BEARING, ball, bevel pinion, front (Includes snap ring)
19	078861	1	NUT, bevel pinion
20	621445	1	RING, snap
21	621334	1	RING, oil sealing, outer
22	621335	1	RING, oil sealing inner
23	069445	3	SHIM, adjusting (.007" thick. Use as required)
	069446	3	SHIM, sdjusting (.005" thick. Use as required)
24	643979	1	COVER, front bearing
25	035190	6	CAPSCREW, 1/2"NC x 1-1/2"
	904208	6	LOCKWASHER, 1/2"



FORWARD HIGH-LOW GEAR SHIFT

T-41909

FORWARD HIGH-LOW GEAR SHIFT

ITEM	PART NO.	QTY.	DESCRIPTION
1	090020	1	KNOB, shift lever
2	634543	1	LEVER, gear shift
3	633888	1	SHAFT, gear shift lever
	905123	2	KEY, #9 woodruff, 3/16" x 3/4"
	910255	1	WASHER, plain, SAE std., 3/4"
	900807	1	PIN, cotter, 1/8" x 1-1/4"
4	633889	1	BRACKET ASSEMBLY, gear shift lever (Includes item 6)
5	035167	3	CAPSCREW, 3/8"NF x 7/8"
	904206	3	LOCKWASHER, 3/8"
	911041	3	NUT, 3/8"NF
6	630795	2	BUSHING, gear shift lever bracket
7	632282	1	LEVER ASSEMBLY, intermediate (Includes item 9)
8	041981	1	CAPSCREW, 5/16"NF x 1-1/2"
	904205	1	LOCKWASHER, 5/16"
	913636	1	NUT, 5/16"NF
9	624584	1	BUSHING, intermediate lever
10	632175	1	SHIELD, intermediate lever
11	035979	2	CAPSCREW, 3/8"NF x 5/8"
	904206	2	LOCKWASHER, 3/8"
	911041	2	NUT, 3/8"NF
12	078810	2	PIN, control rod yoke
	900942	2	PIN, cotter, 3/32" x 5/8"
13	628736	2	YOKE, control rod
14	634790	1	ROD, control
	911041	2	NUT, 3/8"NF
15	634758	1	LEVER ASSEMBLY, lower (Includes item 17)
16	041981	1	CAPSCREW, 5/16"NF x 1-1/2"
	904205	1	LOCKWASHER, 5/16"
	913636	1	NUT, 5/16"NF
17	624584	1	BUSHING, lower lever
18	634965	1	END, rod, shaft supporting
	910847	2	NUT, jam, 3/4"NF
	900820	2	WASHER, plain, U.S. std, 3/4"
19	638842	1	BRACKET, shaft supporting, upper
20	036034	4	CAPSCREW, 3/8"NF x 1"
	904206	4	LOCKWASHER, 3/8"
	911041	4	NUT, 3/8"NF
21	638843	1	BRACKET, shaft supporting, lower
22	013059	4	CAPSCREW, 3/8"NC x 1-1/4"
	904206	4	LOCKWASHER, 3/8"

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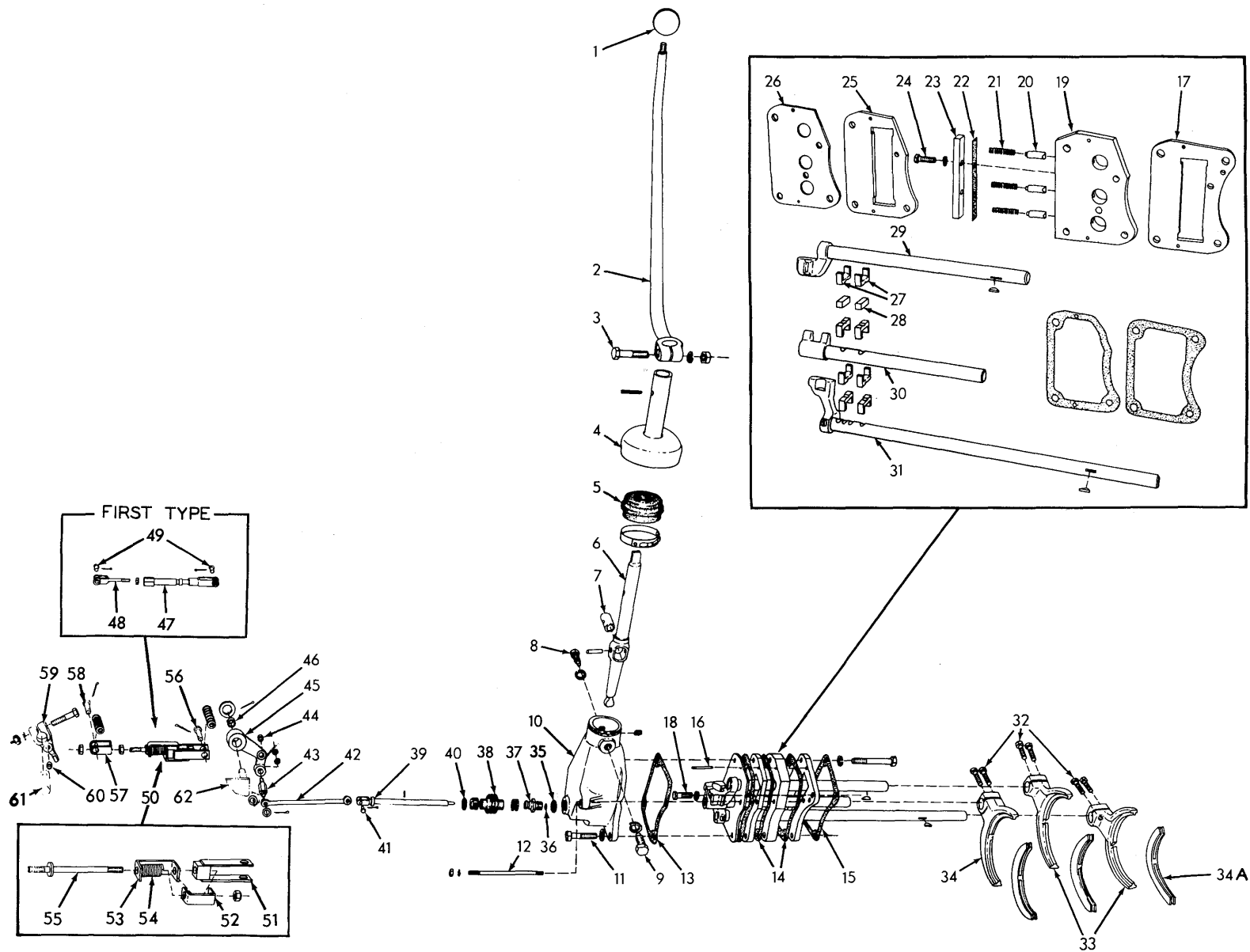
FORWARD HIGH-LOW GEAR SHIFT (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
23	634852	1	SHAFT, shifting lever
	905123	1	KEY, #9 woodruff, 3/16" x 3/4"
	910255	1	WASHER, plain, SAE std., 3/4"
	910847	1	NUT, jam, 3/4"NF
24	052662	1	SEAL, oil, shifting lever shaft
25	606009	1	BUSHING, shifting lever housing
26	634980	1	HOUSING ASSEMBLY, shifting lever (Includes items 24 and 25)
27	013058	6	CAPSCREW, 3/8"NC x 1-1/4"
	904206	6	LOCKWASHER, 3/8"
28	057407	1	GASKET, shifting lever housing
29	633207	1	LEVER, shifting
30	646256	1	FORK, shifting
31	035018	2	CAPSCREW, 1/2"NF x 1-1/2"
31A	647908	1	COLLAR, wear, shifting fork
32	643045	1	SHAFT, shifting fork
33	069468	1	GASKET, interlock housing
34	643046	1	HOUSING, gear shift interlock
35	053616	2	CAPSCREW, 3/8"NC x 1-3/4"
	904206	2	LOCKWASHER, 3/8"
36	643040	1	PIN, interlock
37	641356	1	PLUNGER, shaft locating
38	096922	1	SPRING, shifting shaft interlock
39	049918	1	WASHER, interlock spring capscREW (copper)
40	035159	1	CAPSCREW, interlock spring (5/8"NF x 1")
41	050267	1	WASHER, plunger sleeve (copper)
42	620975	1	SLEEVE, shifting lock plunger (13/32" hole)
43	080166	1	BOOT, locking plunger
	916897	2	CLAMP, hose, 1" diam.
44	643044	1	PLUNGER, shifting lock
45	630594	1	ROD, shifting lock plunger
	916202	1	PIN, roll, 1/8" x 7/8"
	911041	1	NUT, 3/8"NF
46	035910	2	SPRING, plunger rod
47	082875	1	PIN, plunger rod yoke
	900942	1	PIN, cotter, 3/32" x 5/8"
48	078967	1	YOKE, plunger rod
49	044973	1	WASHER, plunger rod

(Continued)

FORWARD HIGH-LOW GEAR SHIFT (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
50	628736	1	YOKE, plunger rod (3/8"NF)
51	078810	1	PIN, plunger rod yoke
	900942	1	PIN, cotter, 3/32" x 5/8"
52	-----	1	LEVER ASSEMBLY (See ENGINE CLUTCH CONTROL)



SPEED SELECTION GEAR SHIFT

T-32074

SPEED SELECTION GEAR SHIFT

ITEM	PART NO.	QTY.	DESCRIPTION
1	091862	1	KNOB, extension lever
2	637769	1	LEVER, extension
3	035068	1	CAPSCREW, 1/2"NF x 2-1/4"
	904208	1	LOCKWASHER, 1/2"
	911043	1	NUT, 1/2"NF
4	082638	1	GUARD, shift lever boot
	915989	1	PIN, roll, 3/16" x 1-3/8"
5	078742	1	BOOT, shift lever
	916995	1	CLAMP, hose
6	634622	1	LEVER, speed selection shift
	915500	1	PIN, roll, 3/8" x 1-3/4"
7	622080	1	SHAFT, shift lever pivot
8	620313	1	SCREW, shift lever pivot, right
	904209	1	LOCKWASHER, 5/8"
9	621330	1	SCREW, shift lever pivot, left
	904209	1	LOCKWASHER, 5/8"
10	089829	1	HOUSING, shift lever
	901651	1	PLUG, pipe, 1/8"NPT
	910257	1	CAPSCREW, 1/2"NC x 4-3/4"
	904208	1	LOCKWASHER, 1/2"
11	035712	2	CAPSCREW, 1/2"NC x 2-1/4"
	904208	2	LOCKWASHER, 1/2"
12	621262	1	STUD, shift lever housing
	904206	1	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8"NF
13	085877	1	GASKET, shift lever housing
14	620980	3	GASKET, shaft locking plates
15	085878	1	GASKET, shaft rear locking plate
16	620981	2	PIN, dowel, shaft locking plates
17	623902	1	PLATE, shaft locking, rear
18	035236	1	CAPSCREW, 1/2"NC x 1-3/4"
	904208	1	LOCKWASHER, 1/2"
19	623903	1	PLATE, shifting shaft plunger
20	641356	3	PLUNGER, shifting shaft
21	096922	3	SPRING, shifting shaft interlock
22	620974	1	GASKET, plunger retaining bar
23	620982	1	BAR, plunger retaining
24	013058	2	CAPSCREW, 3/8"NC x 1-1/4"
	904206	2	LOCKWASHER, 3/8"

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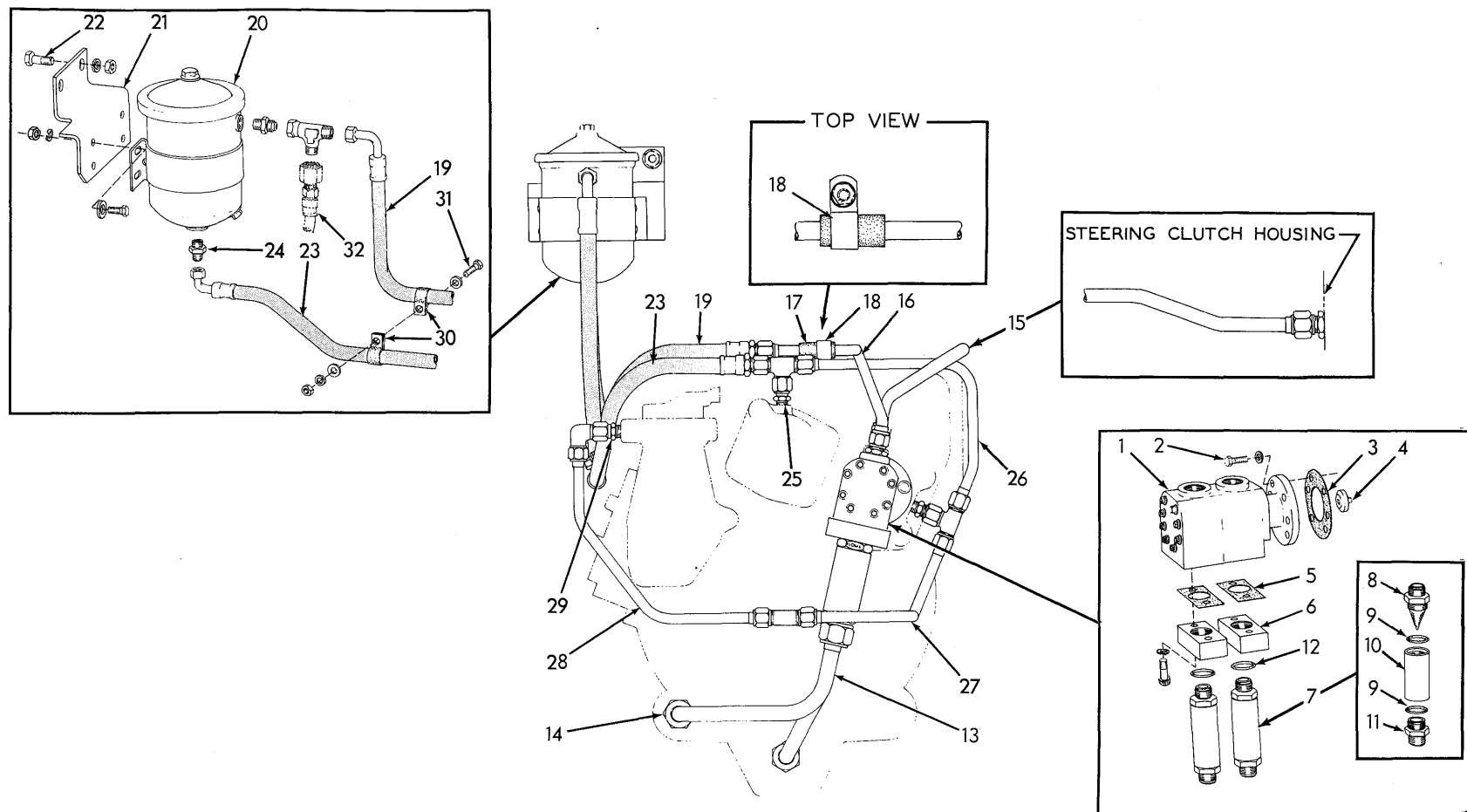
SPEED SELECTION GEAR SHIFT (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
25	623904	1	PLATE, shaft locking, front
26	623905	1	PLATE, shaft guiding
27	638953	8	DETENT, shifting shaft interlock
28	620964	2	BLOCK, spacing, interlock detent
29	620957	1	SHAFT, shifting fork, upper
	911233	1	KEY, #11 woodruff, 3/16" x 7/8"
30	620961	1	SHAFT, shifting fork, center
31	620147	1	SHAFT, shifting fork, lower
	911233	1	KEY, #11 woodruff, 3/16" x 7/8"
32	035018	6	CAPSCREW, shifting forks (1/2"NF x 1-1/2")
33	650697	2	FORK, center and rear
34	650698	1	FORK, front
34A	650695	3	COLLAR, wear, shifting fork
35	050267	1	WASHER, plunger sleeve (copper)
36	078402	1	WASHER, shifting lock plunger
37	651580	1	SLEEVE, shifting lock plunger
38	635082	1	BOOT, locking plunger
	916897	2	CLAMP, hose, 1" diam.
39	644324	1	PLUNGER, shifting lock
	916146	1	PIN, roll, 3/32" x 1/2"
40	651725	1	SEAL, shifting lock plunger
41	627451	1	PIN, shifting lock plunger
	900942	1	PIN, cotter, 3/32" x 5/8"
42	630499	1	ROD, shifting lock plunger
43	630485	1	STUD, plunger rod
	911048	2	NUT, jam, 3/8"NF
	911115	2	WASHER, plain, SAE std., 3/8"
	900942	1	PIN, cotter, 3/32" x 5/8"
44	624584	1	BUSHING, intermediate lever (small)
45	632774	1	LEVER ASSEMBLY, intermediate (Includes item 44)
	910255	1	WASHER, plain, SAE std., 3/4"
	910302	1	PIN, cotter, 5/32" x 1-1/4"
46	052643	2	BEARING, needle, intermediate lever
	052662	2	SEAL, dirt, intermediate lever bearing

(Continued)

SPEED SELECTION GEAR SHIFT (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION	
47	630486	1	OVERTRAVEL ASSEMBLY (Serviced only as a unit)	} Tractors prior to #13368
48	628748	1	END, yoke	
	911048	1	NUT, jam, 3/8"NF	
49	078810	2	PIN, yoke end	
	900802	2	PIN, cotter, 3/32" x 1"	
50	663920	1	OVERTRAVEL ASSEMBLY (Consists of items 51 thru 55)	} Tractors #13368 and up
	911048	2	NUT, jam, 3/8"NF	
51	663918	1	GUIDE, overtravel	
52	620266	1	BRACKET, overtravel (short)	
53	620267	1	BRACKET, overtravel (long)	
54	043746	1	SPRING, overtravel	
55	663917	1	ROD, overtravel	
	913528	1	NUT, elastic stop, 3/8"NF	
56	085038	1	PIN, overtravel	
	911115	10	WASHER, plain, SAE std., 3/8"	
	900942	1	PIN, cotter, 3/32" x 5/8"	
57	667079	1	YOKE, overtravel	
58	082875	1	PIN, overtravel yoke	
	911115	6	WASHER, plain, SAE std., 3/8"	
	900942	1	PIN, cotter, 3/32" x 5/8"	
59	632765	1	LEVER ASSEMBLY, plunger rod operating (Includes item 60)	
	035068	1	CAPSCREW, 1/2"NF x 2-1/4"	
	904208	1	LOCKWASHER, 1/2"	
	911043	1	NUT, 1/2"NF	
60	624584	1	BUSHING, operating lever	
61	-----	1	SHAFT, operating (See ENGINE CLUTCH CONTROL)	
62	-----	1	BRACKET (See ENGINE CLUTCH BRAKE)	



TRANSMISSION OILING SYSTEM

T-41905

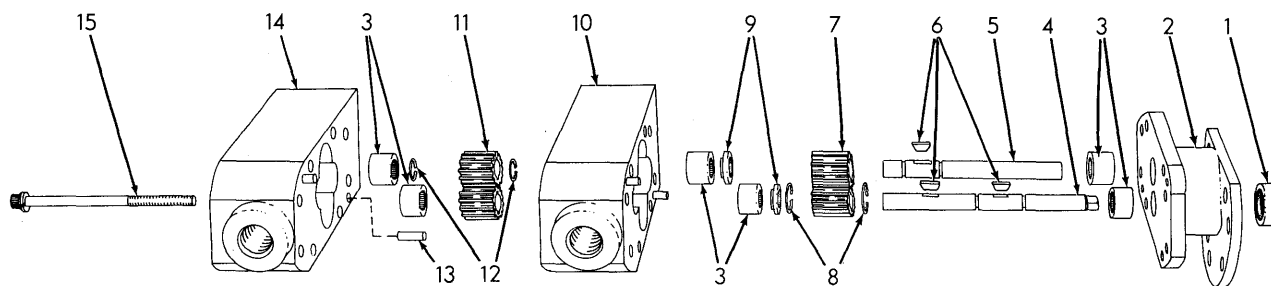
TRANSMISSION OILING SYSTEM

ITEM	PART NO.	QTY.	DESCRIPTION
1	643631	1	PUMP ASSEMBLY (See page 129 for parts)
2	054130	3	CAPSCREW, 5/16"NC x 7/8"
	917330	3	WASHER, copper
3	099510	1	GASKET, oil pump
4	099005	1	COUPLING, pump drive
5	642943	2	GASKET, oil screen adapter
6	642942	2	ADAPTER, oil screen
	922996	4	CAPSCREW, hex-socket-hd., 5/16"NC x 1"
	904205	4	LOCKWASHER, 5/16"
7	642427	2	SCREEN ASSEMBLY, oil (Consists of items 8 thru 11)
8	642040	2	SCREEN
9	921214	4	O-RING, oil screen
10	642404	2	TUBE, oil screen
11	922997	2	CONNECTOR, oil screen (Includes O-RING 921214)
12	921206	2	O-RING, oil screen to adapter
13	643642	1	TUBE ASSEMBLY, suction, short (Includes nuts)
	921217	1	CONNECTOR, flare type, 3/4" tube, 1-1/16" straight thread (Includes O-RING 921206)
14	640789	1	TUBE ASSEMBLY, suction, long (Includes nuts)
	922997	1	CONNECTOR, flare type, 3/4" tube, 1-5/16" straight thread (Includes O-RING 921214)
15	643653	1	TUBE ASSEMBLY, pump discharge (Includes nuts)
	923080	1	CONNECTOR, flare type, 5/8" tube, 3/4"NF straight thread (Includes O-RING 921349)
	921326	1	CONNECTOR, flare type, 5/8" tube, 7/8"NF straight thread (Includes O-RING 921205)
16	651806	1	TUBE ASSEMBLY, pump to filter (Includes nuts)
	921409	1	CONNECTOR, flare type, 1/2" tube, 3/4"NF straight thread (Includes O-RING 921349)
17	093752	1	BOOT, tube protecting
18	097534	1	CLIP, tube supporting
	044973	1	WASHER, plain
19	638706	1	HOSE, pump to filter (See page 6)
	921298	1	TEE, flare type, swivel nut, 1/2" tube
	919063	1	CONNECTOR, flare type, 1/2" tube, 3/8"NPT male
20	623609	1	FILTER ASSEMBLY, oil (See page 130 for parts)
	912327	4	CAPSCREW, 1/4"NC x 7/8"
	092635	4	WASHER, plain
	904204	4	LOCKWASHER, 1/4"
	911024	4	NUT, 1/4"NC

(Continued)

TRANSMISSION OILING SYSTEM (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
21	638707	1	BRACKET, oil filter
22	070469	2	CAPSCREW, 1/2"NF x 1-1/4"
	904208	2	LOCKWASHER, 1/2"
	911043	2	NUT, 1/2"NF
23	643429	1	HOSE, filter to top shaft (See page 6)
24	624826	1	CONNECTOR, flare type, restricted, 1/2" tube, 3/8"NPT male
	921276	1	TEE, flare type, swivel nut, 1/2" tube
25	623188	1	CONNECTOR, flare type, restricted, 1/2" tube, 1/4"NPT male
26	623625	1	TUBE ASSEMBLY, top shaft to intermediate shaft (Includes nuts)
	921276	1	TEE, flare type, swivel nut, 1/2" tube
	919205	1	CONNECTOR, flare type, 1/2" tube, 1/4"NPT male
27	643652	1	TUBE ASSEMBLY, intermediate shaft to pinion shaft (Includes nuts)
	921070	1	TEE, flare type, 1/2" tube, 3/8"NPT female side
	901497	1	NIPPLE, pipe, 3/8"NPT x 5"
28	643646	1	TUBE ASSEMBLY, pinion shaft to gear shift housing (Includes nuts)
	921279	1	ELBOW, flare type, swivel nut, 1/2" tube
29	623188	1	CONNECTOR, flare type, restricted, 1/2" tube, 1/4"NPT male
30	643932	2	CLIP, hose supporting
31	012992	1	CAPSCREW, 3/8"NF x 1-1/4"
	911115	2	WASHER, plain, SAE std., 3/8"
	904206	1	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8"NF
32	-----	-	HOSE (See TRANSMISSION LUBRICATING OIL PRESSURE GAUGE)

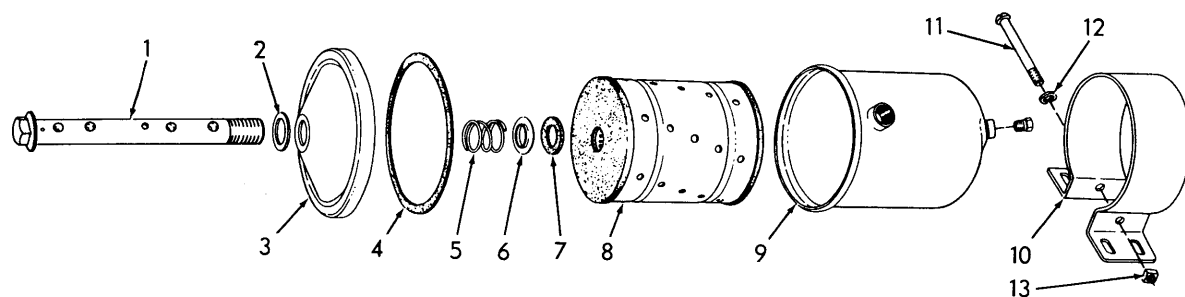


OIL PUMP ASSEMBLY 643631

T-41914

USAGE: See page 127

ITEM	PART NO.	QTY.	DESCRIPTION
1	4047783	1	SEAL, oil, drive shaft
2	-----	1	STATOR (Not serviced separately)
3	077241	6	BEARING, needle
4	643705	1	SHAFT, drive
5	643704	1	SHAFT, driven
6	918699	3	KEY, woodruff #3, 1/8" x 1/2"
7	643680	2	GEAR (1-1/4" long)
8	3015050	2	RING, snap, drive shaft
9	643706	2	SEAL, gear housing
10	-----	1	HOUSING, gear (Not serviced separately)
11	643679	2	GEAR (1" long)
12	099949	2	RING, snap, driven shaft
13	4048000	4	PIN, dowel
14	-----	1	HOUSING, gear (Not serviced separately)
15	643742	8	SCREW ASSEMBLY (Includes lockwasher)



OIL FILTER ASSEMBLY 623609

I-27496

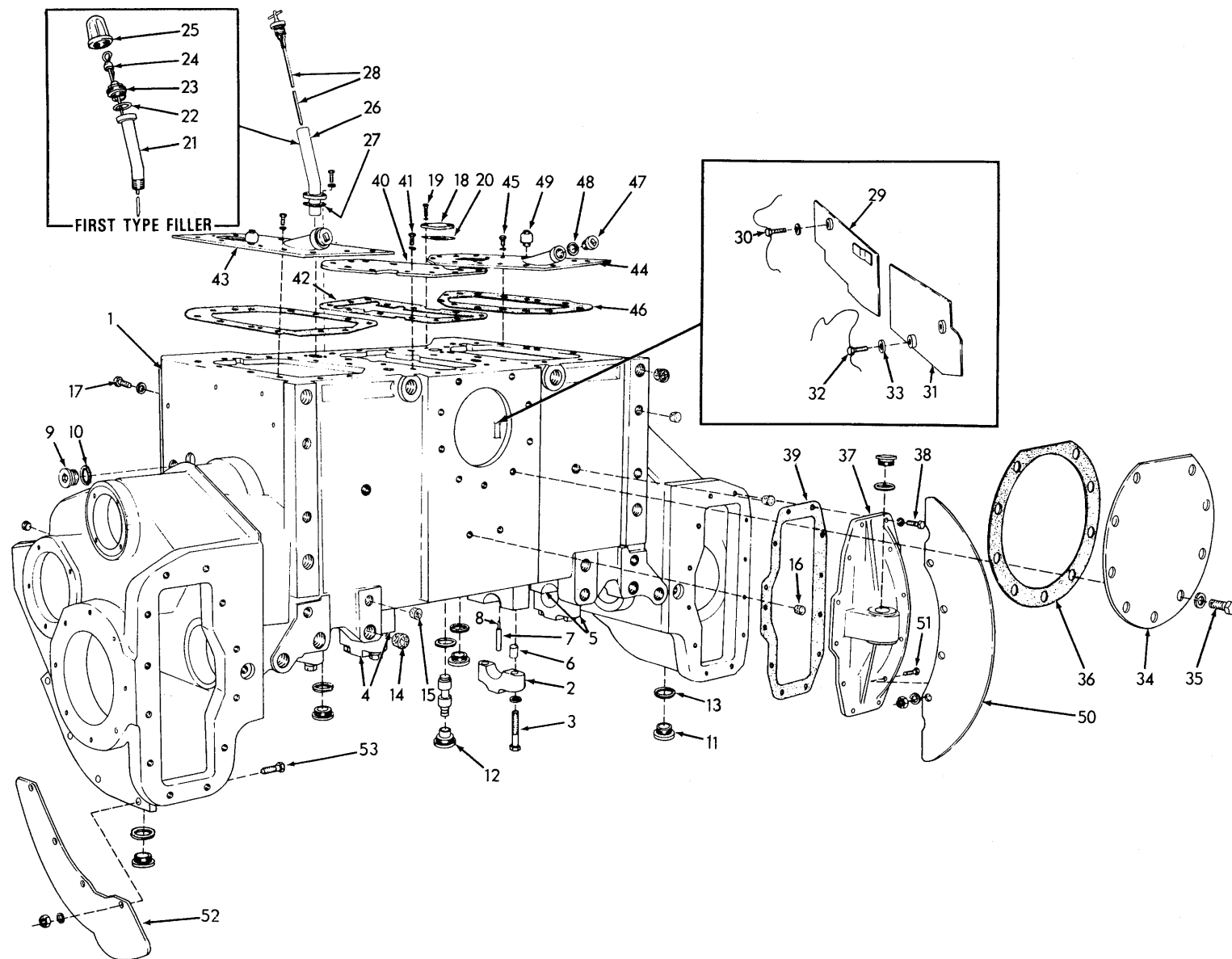
USAGE: See page 127

ITEM	PART NO.	QTY.	DESCRIPTION
1	623608	1	BOLT ASSEMBLY (Includes check valve. Serviced only as a unit)
2	4049469	1	GASKET, cover bolt
3	4049471	1	COVER, filter body
4	4049470	1	GASKET, filter body cover
5	4048793	1	SPRING, cartridge retaining
6	4048794	1	WASHER, cartridge gasket
7	4041209	1	GASKET, cartridge
8	4372517	1	CARTRIDGE ASSEMBLY (Includes items 2, 4 and 7)
9	4049472	1	BODY, oil filter
	917426	1	PLUG, pipe, hex-hd., 1/8"NPT
10	4506165	1	CLAMP, mounting
11	4371974	1	BOLT, mounting clamp
12	4371973	1	LOCKWASHER
13	4371795	1	NUT

STEERING CLUTCH AND FINAL DRIVE HOUSING

ITEM	PART NO.	QTY.	DESCRIPTION
1	0658864-4	1	HOUSING ASSY. (Includes items 2 thru 8)(Tractors prior to #14145. If for tractors prior to #12827 including Nos. 13360, 13362 and 13365 also order 2 CAGE 0658834-7, 2 RETAINER 0658837-0, 4 SHIM 0658838-8, 4 SHIM 0658839-6, 14 SHIM 0658890-9, 2 CAPSCREW 0023465-8 and 2 LOCKWASHER 0904209-4)
	0666504-6	1	HOUSING ASSY. (Includes items 2, 3, 5 and 7)(Tractors #14145 and up)
	0904203-7	4	PLUG, pipe, ctsk-hd., 1/2"NPT
	0901667-6	2	PLUG, pipe, ctsk-hd., 1-1/4"NPT (Early units)
2	0060552-7	4	CAP, track frame pivot shaft (Also see items 4 and 5)(Tractors prior to #14145)
	0666488-2	2	CAP ASSY., track frame pivot shaft, inner (Includes PIN 0666489-0)
	0666552-5	2	CAP, track frame pivot shaft, outer
3	0052527-9	8	CAPSCREW, 3/4"NF x 3-1/2"
	0904369-6	8	LOCKWASHER, 3/4"
4	0096210-0	2	CAP ASSEMBLY, track frame pivot shaft, inner (Tractors prior to #14145 only)
5	0096209-2	2	CAP ASSY., track frame pivot shaft, outer
NOTE: Each Cap Assy. listed above includes items 2, 3 and 6; also upper block which requires welding to housing			
6	0075053-9	8	DOWEL, hollow, pivot shaft cap (Tractors prior to #14145)
	0076726-9	2	WICK ASSY., pivot shaft lubricating (Consists of 1 PIN and 1 WICK 0050357-3. Also serves as dowel pin for pivot shaft) (Tractors prior to #14145)
7	0666489-9	2	PIN, dowel, pivot shaft inner cap (Tractors #14145 and up)
	0665667-2	2	PLUG, main housing (steel, 5/8" diam. x 3/4")(Used to plug oiling wick holes when installing late type track frames on units prior to tractor #14145)
8	0050357-3	2	WICK, pivot shaft lubricating (felt)
9	0050594-1	2	PLUG, clutch compartment
10	0050595-8	2	GASKET, clutch compartment plug
11	0035250-0	6	PLUG, final drive compartment
12	0067543-9	1	PLUG, drain, bevel gear compartment (magnetic)
13	0667252-1	7	GASKET, plug
14	0664852-1	8	CORK, thread protecting (1-1/4" diam.)
15	0664850-5	4	CORK, thread protecting (1" diam.)
16	0664851-3	2	CORK, thread protecting (5/8" diam.)
17	0067480-4	4	CAPSCREW, hole-plugging
	0618724-9	4	WASHER, copper
18	0630947-0	1	COVER, dipstick hole
19	0035439-9	2	CAPSCREW, 3/8"NC x 1"
	0904206-0	2	LOCKWASHER, 3/8"
20	0628951-6	1	GASKET, cover plate

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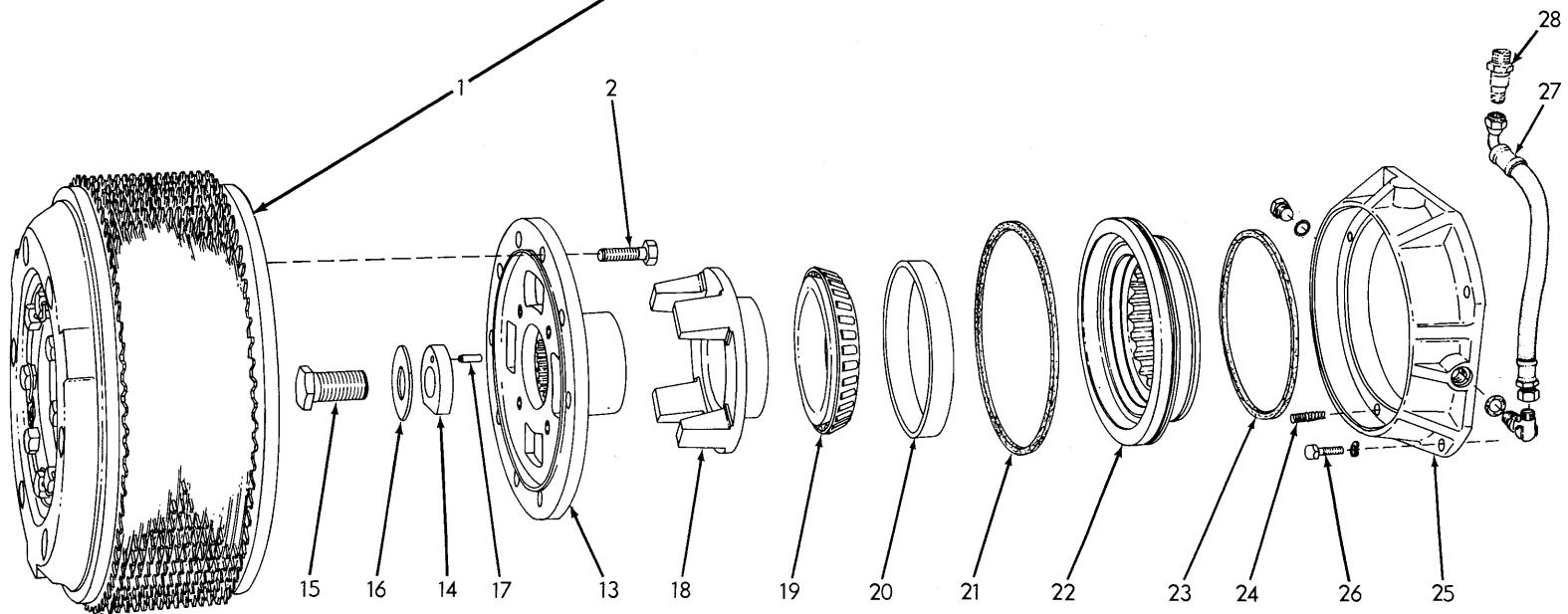
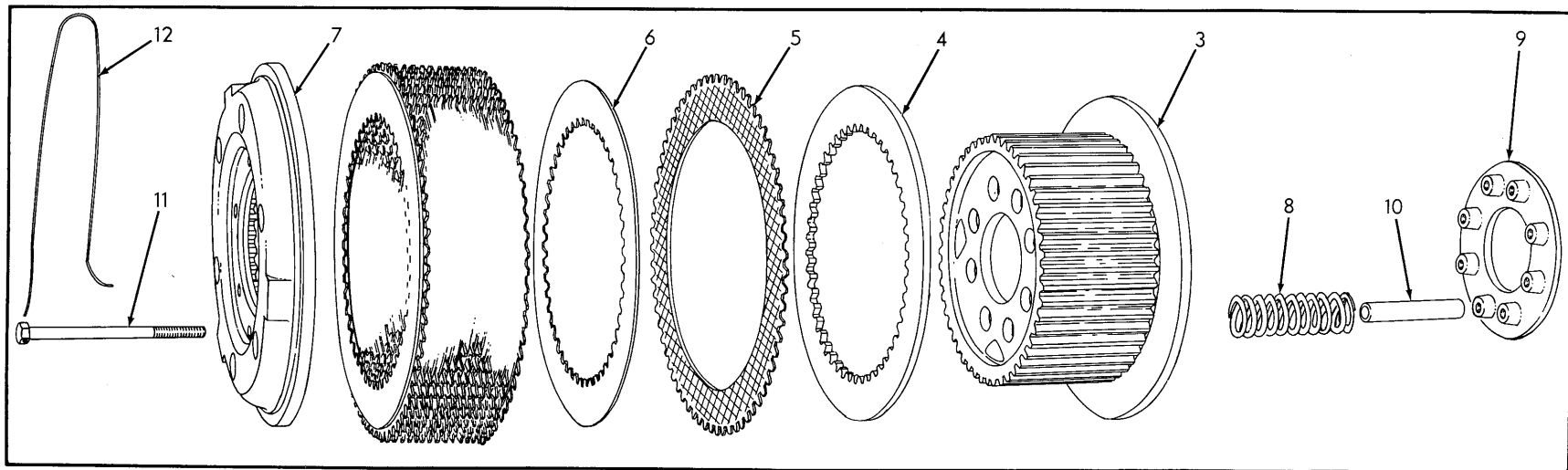
STEERING CLUTCH AND FINAL DRIVE HOUSING

T-72459

STEERING CLUTCH AND FINAL DRIVE HOUSING (Continued)

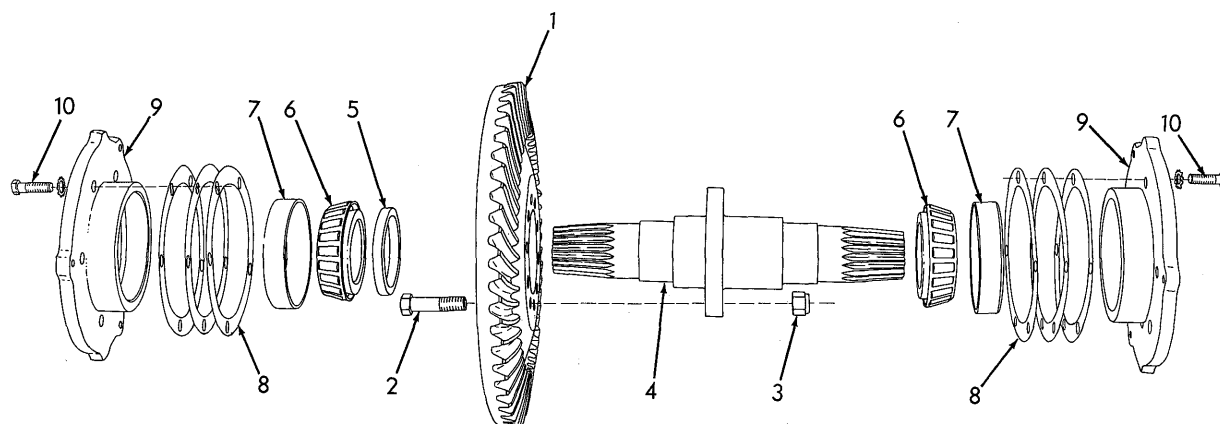
ITEM	PART NO.	QTY.	DESCRIPTION	
21	0630102-2	1	PIPE, oil filler	} First Type Oil Filler Tractors prior to #14145
22	0034269-1	1	GASKET, oil filler plug	
23	0034268-3	1	PLUG, oil level	
24	0633102-9	1	GAUGE, oil level	
25	0034265-9	1	CAP, oil filler pipe	
26	0671038-8	1	TUBE, oil filler	} Second type Oil Filler. Tractors #14145 and up
	0919224-6	2	CAPSCREW, 3/8"NC x 1-1/8"	
	0904206-0	2	LOCKWASHER, 3/8"	
27	0655875-3	1	GASKET, oil filler tube	
28	0667550-8	1	GAUGE, oil level	
29	0642048-3	1	PLATE, oil baffle, front section	
30	0021527-7	1	CAPSCREW, drilled-hd., 3/8"NC x 1-5/8"	
	0023633-1	1	WIRE, locking, 1/16" x 12"	
	0044973-6	1	WASHER, plain	
31	0642435-2	1	PLATE, oil baffle, rear section	
32	0099963-1	2	CAPSCREW, drilled-hd., 3/8"NC x 2"	
	0037000-7	1	WIRE, locking, 1/16" x 16"	
33	0044973-6	2	WASHER, plain	
34	0052977-6	1	COVER, bevel gear compartment, rear (Removed when Power Take-off is installed)	
35	0921731-6	9	CAPSCREW, Nylok, 5/8"NC x 1-1/4"	
	0904209-4	9	LOCKWASHER, 5/8"	
36	0052976-8	1	GASKET, bevel gear compartment rear cover	
37	{ 0656989-4	1	COVER, left final drive compartment	
	0656990-9	1	COVER, right final drive compartment	
38	0035018-1	26	CAPSCREW, 1/2"NF x 1-1/2"	
	0904208-6	26	LOCKWASHER, 1/2"	
39	0064377-5	2	GASKET, final drive compartment cover	
40	0653894-6	1	COVER, bevel gear compartment, top	
41	0035018-1	12	CAPSCREW, 1/2"NF x 1-1/2"	
	0904208-6	12	LOCKWASHER, 1/2"	
42	0655964-5	1	GASKET, bevel gear compartment top cover	
43	0650061-5	1	PLATE, cover, left steering clutch compartment	
44	0650062-3	1	PLATE, cover, right steering clutch compartment	
45	0070467-6	22	CAPSCREW, cover plate attaching (1/2"NF x 1")	
	0904208-6	22	LOCKWASHER, 1/2"	
46	0650264-5	2	GASKET, steering clutch compartment cover	
47	0651978-9	2	PLUG, brake adjustment access hole	
48	0623144-3	2	GASKET, access hole plug	
49	0050748-3	2	BREATHER, steering clutch compartment	
NOTE: Guards listed below are special equipment				
50	{ 0069648-4	2	GUARD, track sprocket, upper (Medium-duty)	
	0647952-1	2	GUARD, track sprocket, upper (Heavy-duty reinforced type)	
51	0035073-6	8	CAPSCREW, 1/2"NF x 1-3/4"	
	0904208-6	8	LOCKWASHER, 1/2"	
	0911043-8	8	NUT, 1/2"NF	
52	{ 0644294-1	2	GUARD, track sprocket, lower (Medium-duty)	
	0647953-9	1	GUARD, track sprocket, lower left	} Heavy-duty reinforced type
	0647954-7	1	GUARD, track sprocket, lower right	
53	0035073-6	8	CAPSCREW, 1/2"NF x 1-3/4"	
	0904208-6	8	LOCKWASHER, 1/2"	
	0911043-8	8	NUT, 1/2"NF	

(Revised June 1970)



STEERING CLUTCHES

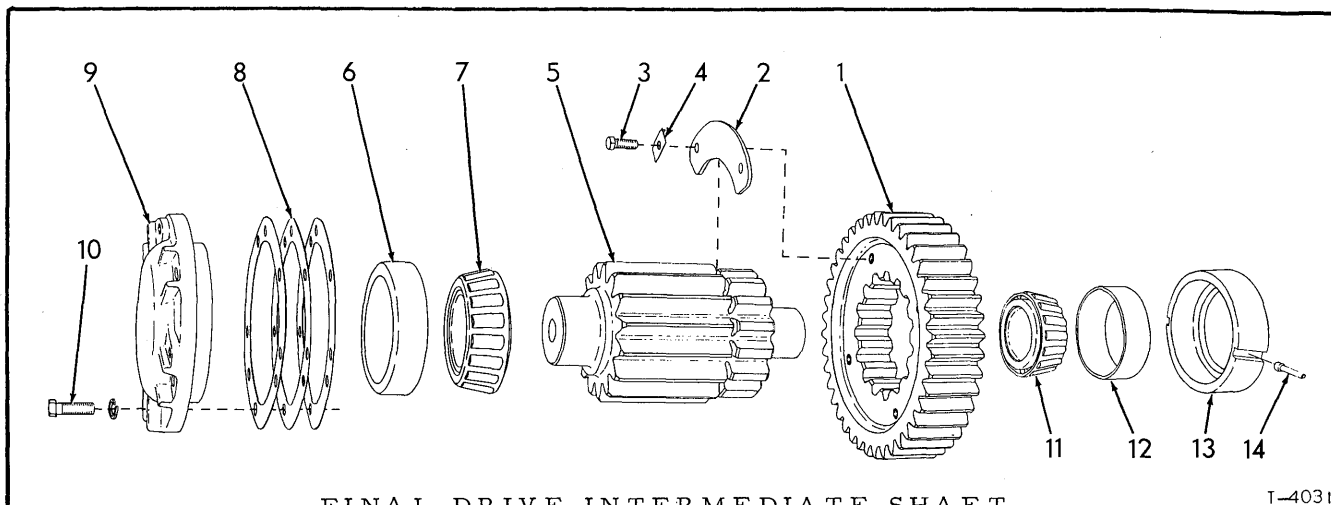
ITEM	PART NO.	QTY.	DESCRIPTION
1	633838	2	CLUTCH ASSY. (Consists of items 3 thru 13)
2	650828	20	BOLT, self-locking, 1/2"NC x 1-3/8"
3	{ 631386	2	HUB, steering clutch (Used prior to tractor #12369)
	{ 650657	2	HUB, steering clutch (Effective with tractors #12369)
4	056792	2	PLATE, back (Used prior to tractor #12369)
5	624561	32	DISC, friction (bi-metallic)
6	624562	32	DISC, friction (steel)(Use as required)
7	056793	2	PLATE, pressure
8	633919	16	SPRING, pressure
9	050214	2	PLATE, throwout
10	631305	16	SPACER, throwout plate
11	631300	16	CAPSCREW, plate (drilled-hd., 1/2"NC x 5-3/4")
12	023756	4	WIRE, locking, 1/16" x 26"
13	659686	2	HUB, driving (If for tractors prior to #12669 also order SLEEVE 659687)
14	{ 637932	2	WASHER ASSY., hub retaining (Includes item 17)(Tractors prior to #13380)
	{ 664337	2	WASHER ASSY., hub retaining (Includes item 17)(Tractors #13380 and up)
15	{ 630045	2	CAPSCREW, thin-hd., 1"NF x 1-3/4" (Tractors prior to #13380)
	{ 663117	2	CAPSCREW, hub retaining (self-locking)(Tractors #13380 and up)
16	651745	2	WASHER, locking (Tractors prior to #13380)
17	035793	2	PIN, hub retaining washer
18	{ 631545	2	SLEEVE, throwout (Tractors prior to #12669)
	{ 659687	2	SLEEVE, throwout (Tractors #12669 and up)
19	624642	2	CONE ASSY., clutch throwout bearing
20	624641	2	CUP, clutch throwout bearing
21	624673	2	RING, sealing, actuating piston, outer
22	631510	2	PISTON, actuating
23	624674	2	RING, sealing, actuating piston, inner
24	040475	6	SPRING, throwout bearing ring
25	631575	2	RING, collector
	921573	2	PLUG, hex-hd., 3/4"NF (Includes O-RING 921349)
26	013058	6	CAPSCREW, 3/8"NC x 1-1/4"
	904206	6	LOCKWASHER, 3/8"
27	641125	2	HOSE, oil pressure (See page 6)
	921402	2	ELBOW, adjustable, 90°, flare type, 1/2" tube, 3/4"NF (Includes washer, nut and O-RING 921349)
28	-----	2	UNION (See CONTROL VALVE AND LINES)



BEVEL GEAR AND SHAFT

T-72374

ITEM	PART NO.	QTY.	DESCRIPTION
1	056780	1	GEAR, bevel
2	052270	10	BOLT, 5/8"NF x 2-1/2"
3	645320	10	NUT, elastic stop, 5/8"NF
4	{ 631329	1	SHAFT, bevel gear (Tractors prior to #12739)
	{ 659446	1	SHAFT, bevel gear (Tractors #12739 and up)
5	627279	1	RING, bolt locking
6	631588	2	CONE ASSY., shaft bearing
7	631587	2	CUP, shaft bearing
8	{ 634134	12	SHIM, bearing adjustment (.005" thick)
	{ 634135	12	SHIM, bearing adjustment (.007" thick)
	{ 634136	12	SHIM, bearing adjustment (.010" thick)
			} Use as required
9	{ 631576	2	CAGE, bearing (Tractors prior to #12739)
	{ 659493	2	CAGE, bearing (Tractors #12739 and up)
10	035073	10	CAPSCREW, 1/2"NC x 1-3/4"
	910210	10	LOCKWASHER, external teeth, 1/2"



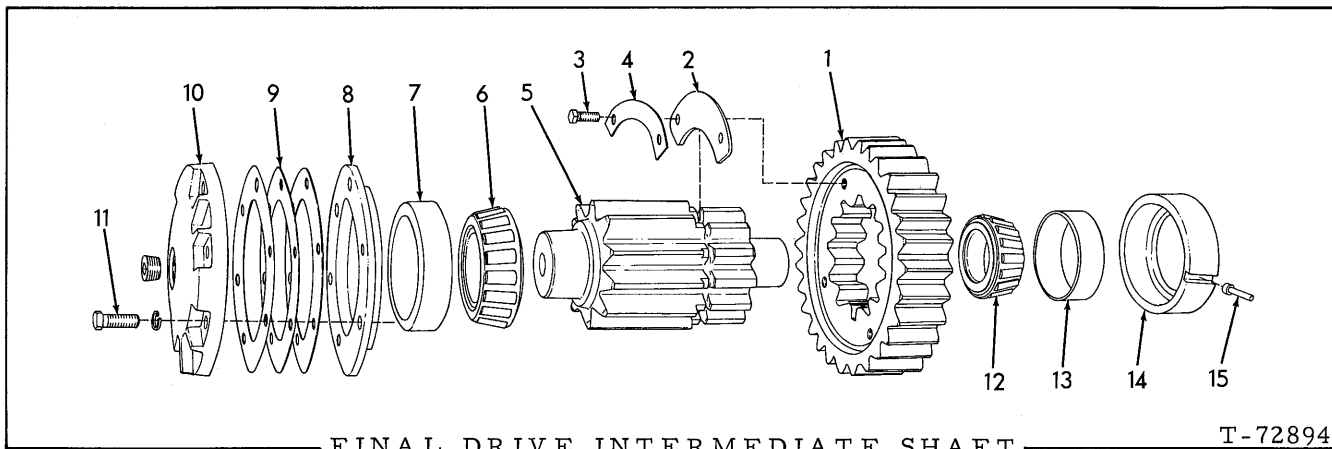
FINAL DRIVE INTERMEDIATE SHAFT

T-4031

USAGE: Tractors prior to serial No. 12525

ITEM PART NO. QTY. DESCRIPTION

1	642642	2	GEAR (40 teeth)	
2	056508	4	LOCK, gear retaining	
3	035439	8	CAPSCREW, 3/8"NC x 1"	
4	052444	8	LOCK, cap screw	
5	642640	2	PINION (15 teeth)	
6	069328	2	CUP, outer bearing	
7	069441	2	CONE ASSEMBLY, outer bearing	
8	093250	4	SHIM, bearing adjustment (.005" thick)	Use as req'd.
	093249	4	SHIM, bearing adjustment (.007" thick)	
	093248	14	SHIM, bearing adjustment (.010" thick)	
9	093256	2	CAGE, outer bearing	
10	023465	10	CAPSCREW, 5/8"NF x 1-3/4"	
	904209	10	LOCKWASHER, 5/8"	
11	211582	2	CONE ASSEMBLY, inner bearing	
12	211581	2	CUP, inner bearing	
13	084297	2	CAGE, inner bearing	
14	089320	2	PIN, locking, inner bearing cage	



FINAL DRIVE INTERMEDIATE SHAFT

T-72894

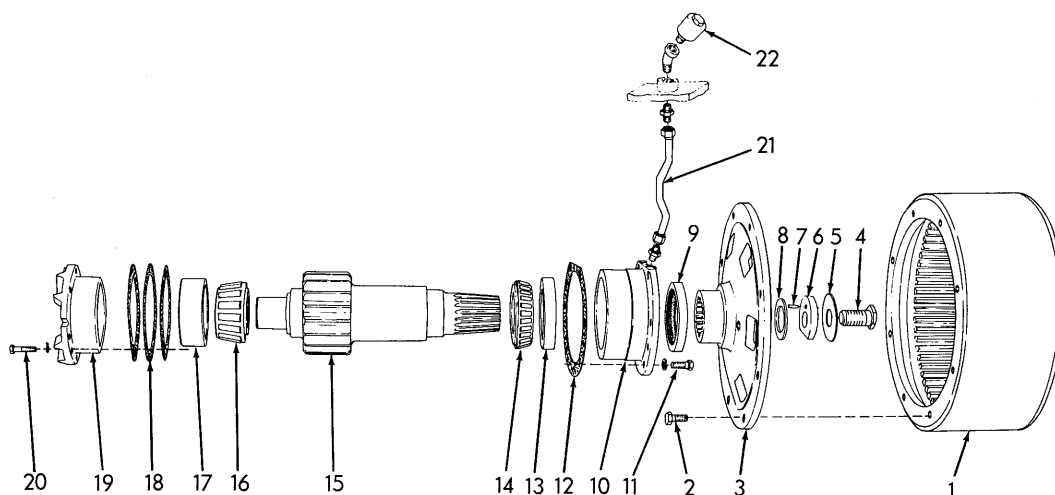
USAGE: Tractors serial No. 12525 and up

* Tractors prior to serial No. 12827

** Tractors serial No. 12827 and up

ITEM	PART NO.	QTY. * **		DESCRIPTION
1	655629	2	2	GEAR (30 teeth)(Not used on tractors #12955 thru #12962)
	642642	-	2	GEAR (40 teeth)(Effective with tractors #12955 thru #12962)
2	655631	4	4	LOCK, gear retaining (Not used on tractors #12955 thru #12962)
	056508	-	4	LOCK, gear retaining (Effective with tractors #12955 thru #12962)
3	035439	8	8	CAPSCREW, 3/8"NC x 1"
4	655632	4	4	LOCK, cap screw (Not used on tractors #12955 thru #12962)
	052444	-	8	LOCK, cap screw (Effective with tractors #12955 thru #12962)
5	655630	2	2	PINION (12 teeth)(Not used on tractors #12955 thru #12962)
	642640	-	2	PINION (15 teeth)(Effective with tractors #12955 thru 12962)
6	069441	2	2	CONE ASSY., outer bearing
7	069328	2	2	CUP, outer bearing
8	655626	2	-	CAGE, outer bearing
	658834	-	2	CAGE, outer bearing
9	655625	4	-	SHIM, bearing adjustment (.005" thick)
	658838	-	4	SHIM, bearing adjustment (.005" thick)
	655624	4	-	SHIM, bearing adjustment (.007" thick)
	658839	-	4	SHIM, bearing adjustment (.007" thick)
	655623	14	-	SHIM, bearing adjustment (.010" thick)
10	658840	-	14	SHIM, bearing adjustment (.010" thick)
	655622	2	-	RETAINER, outer bearing
11	658837	-	2	RETAINER, outer bearing
	901666	2	2	PLUG, pipe, ctsk-hd., 1"NPT
12	023465	10	12	CAPSCREW, 5/8"NF x 1-3/4"
	904209	10	12	LOCKWASHER, 5/8"
13	211582	2	2	CONE ASSY., inner bearing
14	211581	2	2	CUP, inner bearing
15	084297	2	2	CAGE, inner bearing
	089320	2	2	PIN, locking, inner bearing cage

Use as required



FINAL DRIVE PINION SHAFT

T-72326

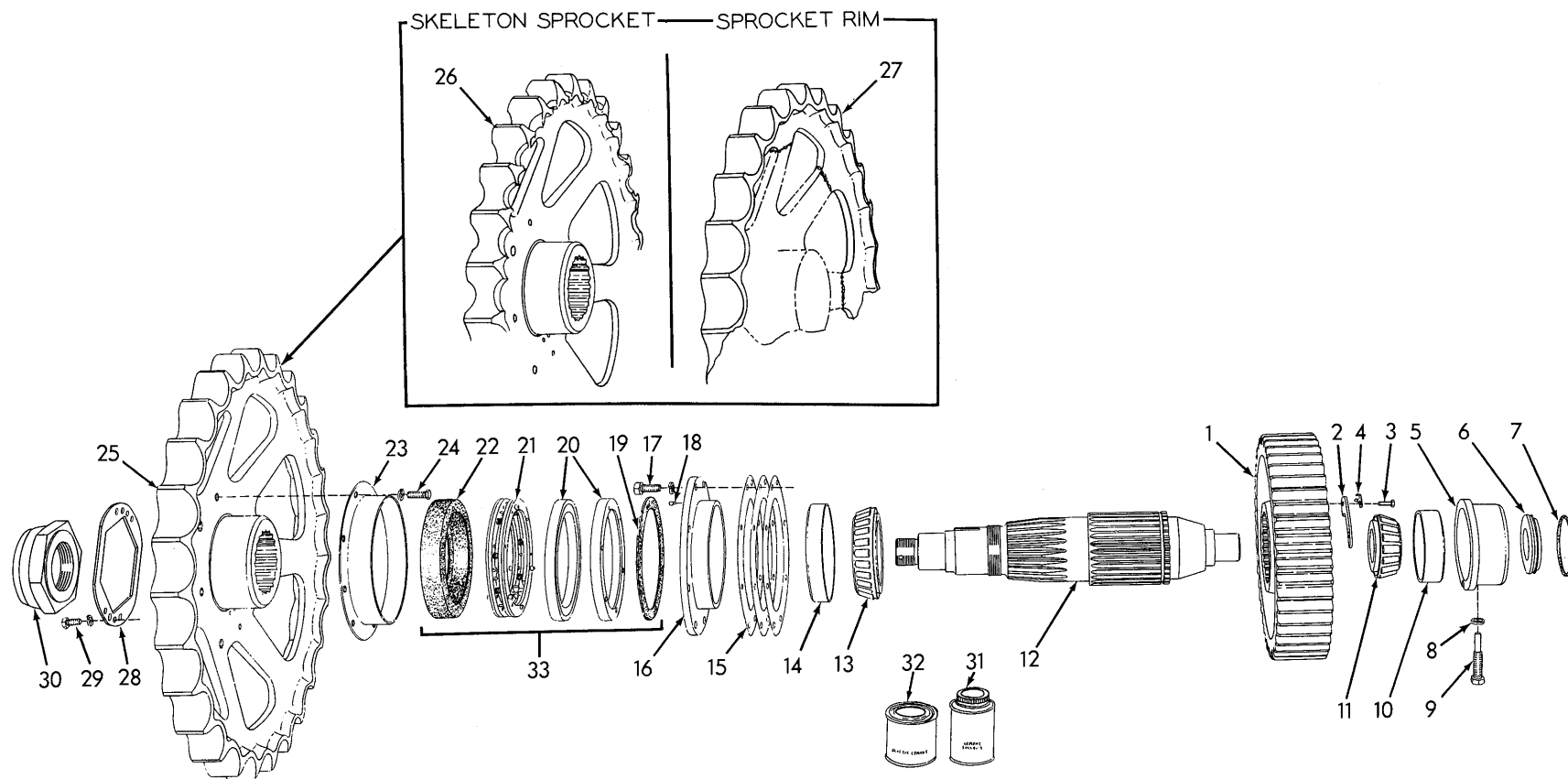
ITEM	PART NO.	QTY.	DESCRIPTION
1	631316	2	DRUM, brake
2	650835	16	BOLT, self-locking, 1/2"NC x 1"
3	624559	2	HUB, brake drum
4	630045	2	CAPSCREW, hub retaining (1"NF x 1-3/4")(Tractors prior to #13380)
	663117	2	CAPSCREW, hub retaining (self-locking)(Tractors #13380 and up)
5	630052	2	LOCK, hub retaining capscREW (Tractors prior to #13380)
6	631584	2	WASHER ASSY., hub retaining (Includes item 7)(Tractors prior to #13380)
	664330	2	WASHER ASSY., hub retaining (Includes item 7)(Tractors #13380 thru 14027)
	666324	2	WASHER ASSY., hub retaining (Tractors #14028 and up)
7	035793	2	PIN, hub retaining washer (Tractors prior to #14028)
8	056513	2	WASHER, sealing, brake drum hub
9	628320	2	SEAL, oil
10	631577	2	CAGE, inner bearing
11	070469	12	CAPSCREW, 1/2"NF x 1-1/4"
	904208	12	LOCKWASHER, 1/2"
12	633904	2	GASKET, inner bearing cage
13	057005	2	CUP, inner bearing
14	057006	2	CONE ASSY., inner bearing
15	642641	2	PINION (16 teeth)(Tractors prior to #12525 including #12955 thru #12962)
	655628	2	PINION (12 teeth)(Tractors #12525 and up excluding #12955 thru 12962)
16	057004	2	CONE ASSY., outer bearing
17	057003	2	CUP, outer bearing
18	084905	4	SHIM, bearing adjustment (.005" thick)
	084904	4	SHIM, bearing adjustment (.007" thick)
	084903	14	SHIM, bearing adjustment (.010" thick)

Use as required

(Continued)

FINAL DRIVE PINION SHAFT (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
19	084319	2	CAGE, outer bearing
20	012992	8	CAPSCREW, 3/8"NF x 1-1/4"
	904206	8	LOCKWASHER, 3/8"
21	650128	2	TUBE ASSEMBLY, vent (Includes nuts)
	919171	4	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
22	050748	2	BREATHER
	910149	2	ELBOW, street, 45°, 3/8"NPT



FINAL DRIVE SPROCKET, SHAFT AND GEAR

FINAL DRIVE SPROCKET, SHAFT AND GEAR

* Tractors prior to serial No. 13051
 ** Tractors serial No. 13051 and up

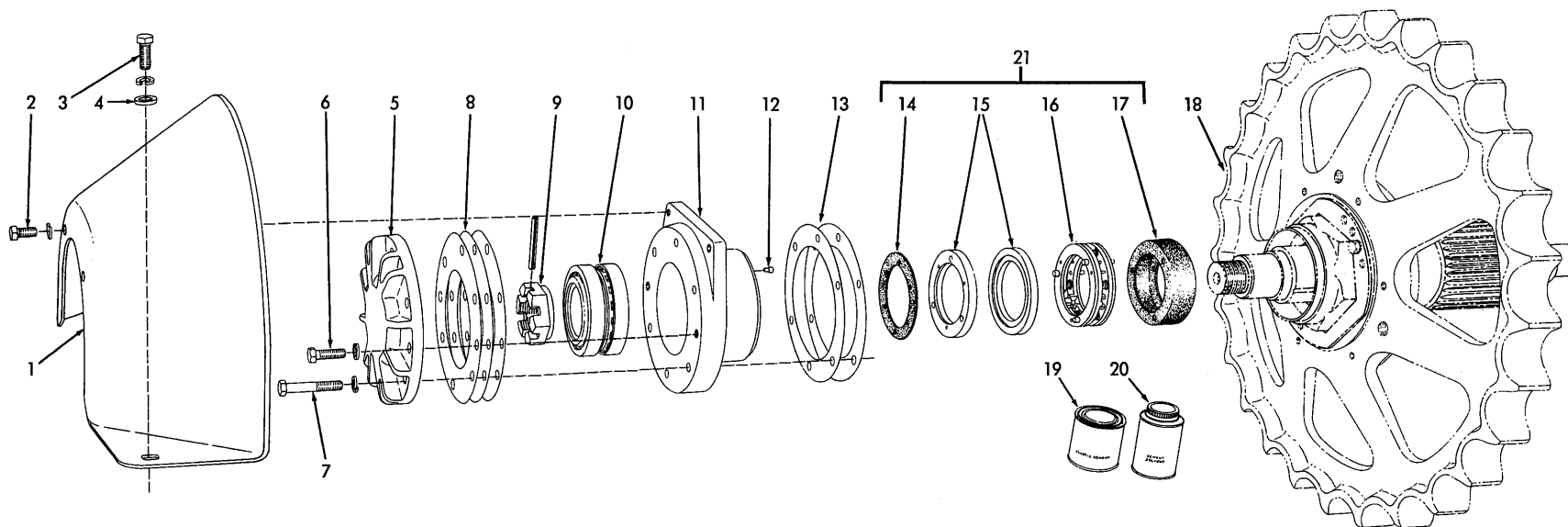
ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	642643	2	-	GEAR, driving (46 teeth)(Tractors prior to #12525, including #12955 thru #12962)
	655633	2	2	GEAR, driving (37 teeth)(Tractors #12525 and up, excluding #12955 thru #12962)
2	058826	4	4	LOCK, gear retaining
3	035439	8	8	CAPSCREW, 3/8"NC x 1"
4	052444	8	8	LOCK, capscrew
5	084289	2	2	CAGE, inner bearing cup
6	091571	2	2	COVER, inner bearing
7	923817	2	2	O-RING, inner bearing cover
8	049918	2	2	WASHER, bearing cage setscrew (copper)
9	084278	2	2	SETSCREW, bearing cage (hex-hd., dog-pt., 5/8"NF x 3-3/8")
10	052070	2	2	CUP, inner bearing
11	084277	2	2	CONE ASSEMBLY, inner bearing
12	622135	2	2	SHAFT, sprocket
13	069615	2	2	CONE ASSEMBLY, intermediate bearing
14	069614	2	2	CUP, intermediate bearing
15	056971	8	8	SHIM, bearing adjustment (.005" thick)
	056970	4	4	SHIM, bearing adjustment (.007" thick)
	056969	24	24	SHIM, bearing adjustment (.010" thick)
16	084349	2	2	CAGE ASSEMBLY, intermediate bearing (Includes item 18)
17	035018	16	16	CAPSCREW, 1/2"NF x 1-1/2"
	904208	16	16	LOCKWASHER, 1/2"
18	084432	6	6	PIN, locating, seal ring
19	058807	2	2	□GASKET, seal ring
20	081788	4	-	□RING, inner seal (3/4" thick)
	651996	-	4	□RING, inner seal (1/2"thick)
21	058796	2	2	□FOLLOWER ASSEMBLY, inner seal (Serviced only as a unit)
22	058806	2	2	□BOOT, inner seal
23	056966	2	-	GUARD, seal
	651985	-	2	GUARD, seal
24	035061	8	8	CAPSCREW, 1/2"NC x 1-1/4"
	904208	8	8	LOCKWASHER, 1/2"

(Continued)

FINAL DRIVE SPROCKET, SHAFT AND GEAR (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION	
		*	**		
25	643970	2	-	SPROCKET, track	Standard type
	654500	-	2	SPROCKET, track	
26	643856	2	-	SPROCKET, track	Special. Skeleton tooth-base to minimize packing of track.
	660774	-	2	SPROCKET, track	
27	644100	2	2	RIM, track sprocket (Requires welding to install)	
28	084299	2	2	LOCK, sprocket retaining nut	
29	035221	4	4	CAPSCREW, 1/2"NC x 1"	
	904208	4	4	LOCKWASHER, 1/2"	
30	084236	2	2	NUT, sprocket retaining	
31	054890	-	-	SOLVENT, neoprene cement, 1/2 pint can	For cementing boots and gaskets
32	033288	-	-	CEMENT, neoprene, 1/2 pint can	
33	091973	2	-	SEAL KIT	Items 19 thru 22; includes parts for one (1) side only
	656664	-	2	SEAL KIT	

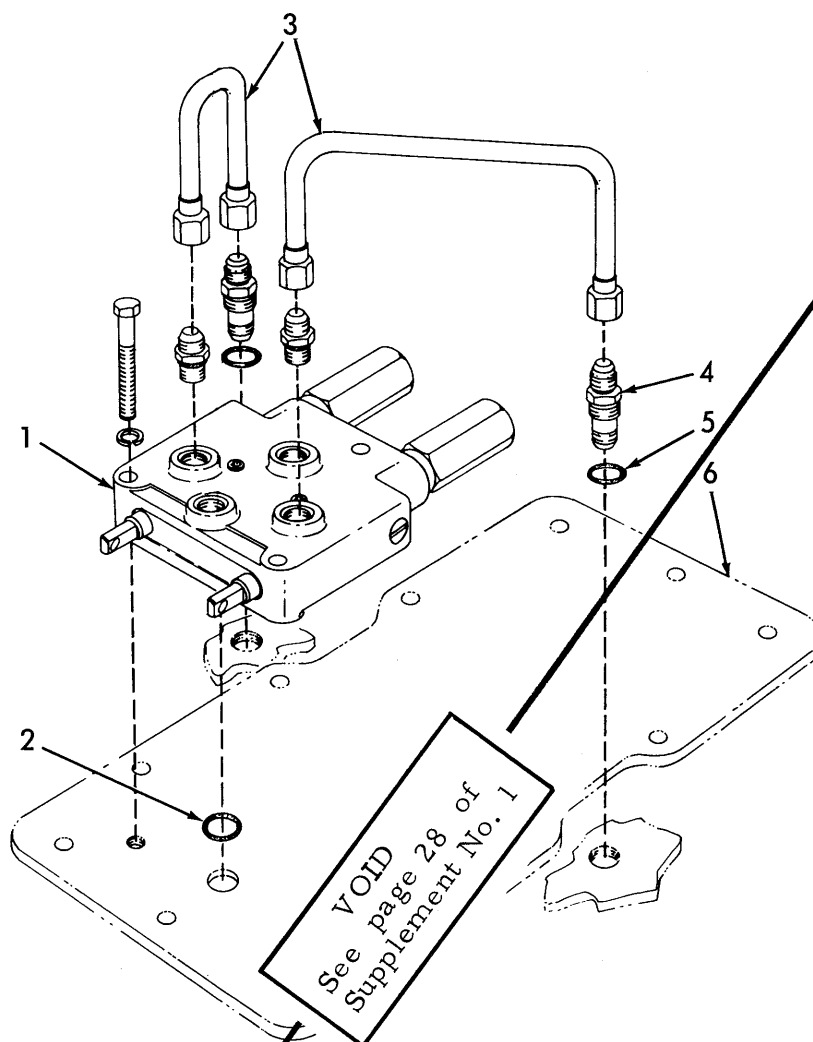
□Components of item 33



FINAL DRIVE OUTBOARD BEARING AND SEAL

FINAL DRIVE OUTBOARD BEARING AND SEAL

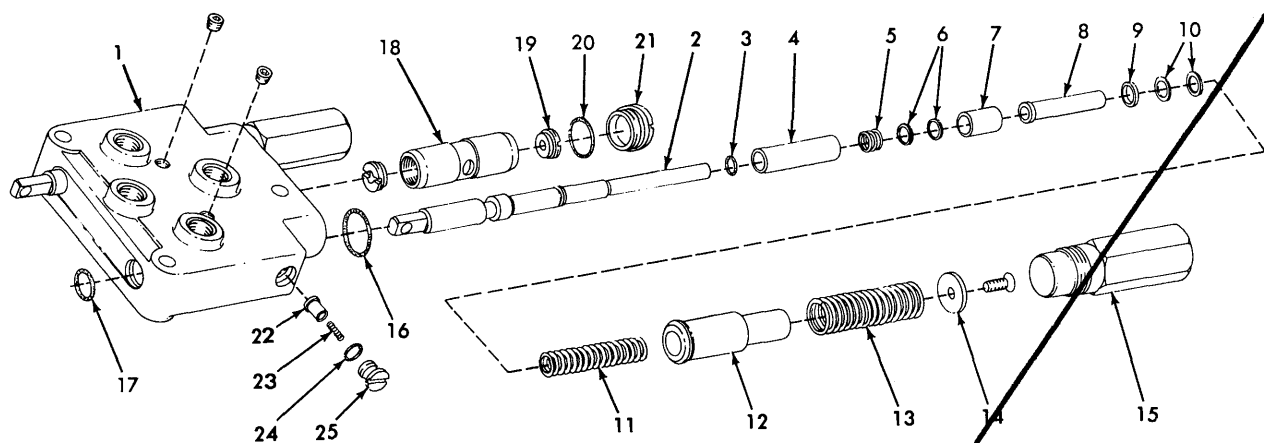
ITEM	PART NO.	QTY.	DESCRIPTION	
1	084326	2	GUARD, sprocket (Special equipment)	
2	035221	4	CAPSCREW, 1/2"NC x 1"	
3	070469	4	CAPSCREW, 1/2"NF x 1-1/4"	
4	064531	4	WASHER, plain	
	904208	8	LOCKWASHER, 1/2"	
5	084303	2	COVER, outboard bearing	
6	035018	4	CAPSCREW, 1/2"NF x 1-1/2"	
7	070403	12	CAPSCREW, 1/2"NF x 3"	
	904208	16	LOCKWASHER, 1/2"	
8	084313	4	SHIM, outer bearing cap (.005" thick)	} Use as req'd
	084312	4	SHIM, outer bearing cap (.007" thick)	
	084311	14	SHIM, outer bearing cap (.010" thick)	
9	058925	2	NUT, retaining, outer bearing	
	917904	2	PIN, roll, 5/16" x 3"	
10	058702	2	BEARING, roller, outboard (Each consists of 1 roller assembly and 2 cups. Serviced only as a unit)	
11	084271	2	CAGE, outboard bearing	
12	084432	6	PIN, outer seal ring	
13	069080	12	SHIM, outboard bearing cage (.015" thick. Use as req'd)	
14	069106	2	GASKET, seal ring	
15	081787	4	RING, outer seal	
16	084337	2	FOLLOWER ASSEMBLY, outer seal (Serviced only as a unit)	
17	058814	2	BOOT, outer seal	
18	-----	-	SPROCKET (See page 141)	
19	033288	-	CEMENT, neoprene, 1/2 pint can	} For cementing boots and gaskets
20	054890	-	SOLVENT, neoprene cement, 1/2 pint can	
21	091972	2	SEAL KIT (Items 12, 14, 15, 16, 17; includes parts for one (1) side only)	



CONTROL VALVE AND LINES

T-72394

ITEM	PART NO.	QTY.	DESCRIPTION
1	651739	1	VALVE ASSEMBLY, control (See page 145 for parts)
	916387	3	CAPSCREW, 3/8"NF x 2-1/2"
	904206	3	LOCKWASHER, 3/8"
2	923849	1	O-RING, valve to compartment cover
3	651920	2	TUBE ASSEMBLY, clutch control (Includes nuts)
	921409	2	CONNECTOR, flare type, 1/2" tube, 3/4"NF male end (Includes O-RING 921349)
4	651893	2	UNION, bulkhead
5	921706	2	O-RING, bulkhead union
6	-----	-	COVER, bevel gear compartment (See STEERING CLUTCH AND FINAL DRIVE HOUSING)



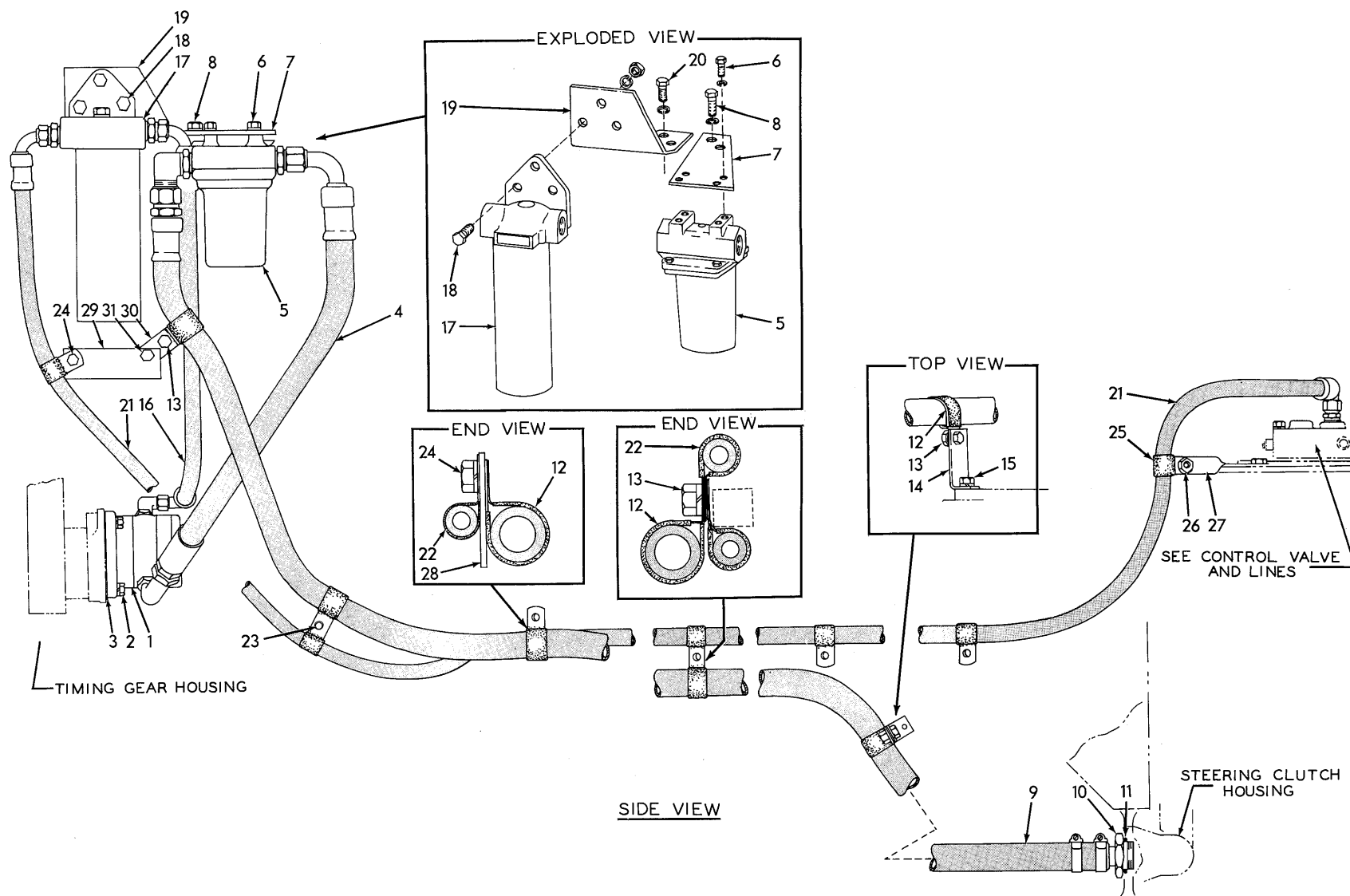
CONTROL VALVE ASSEMBLY 651739

T-72413

USAGE: See page 144

ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	BODY (Not serviced separately)
	910231	2	PLUG, pipe, hex-socket, 1/8"NPT
2	-----	2	PLUNGER (Not serviced separately)
3	923560	2	O-RING, valve plun
4	651564	2	PISTON, pressure
5	656187	2	SPRING, pressure (short)
6	{ 651576	-	SHIM, pressure (.015" thick)
	651577	-	SHIM, pressure (.005" thick)
7	651571	2	SLEEVE, outer
8	651572	2	SLEEVE (inner)
9	651573	2	WASHER, or
10	{ 651574	-	SHIM, pressure adjustment (.015" thick)
	651575	-	SHIM, pressure adjustment (.005" thick)
11	656188	2	SPRING, pressure regulating (long)
12	651565	2	SLEEVE, plunger return spring
13	651570	2	SPRING, plunger return
14	651567	2	WASHER, end, valve plunger
	914122	2	SCREW, machine, flat-hd., 1/4"NF x 3/4"
15	651566	2	CAP, valve plunger
16	924416	2	O-RING, valve body (large)
17	923645	2	O-RING, valve body (small)
18	-----	1	PLUNGER, flow divider (Not serviced separately)
19	656189	2	PLUG, orifice, flow divider plunger
20	923988	1	O-RING, flow divider plug
21	654523	1	PLUG ASSEMBLY, flow divider (Includes item 20)
22	656190	2	PLUNGER, relief valve
23	656192	2	SPRING, relief valve
24	923663	2	O-RING, relief valve plug
25	656191	2	PLUG ASSEMBLY, relief valve (Includes item 24)

VOID
See page 31 of
Supplement No. 1



HYDRAULIC STEERING CONTROL

T-72464

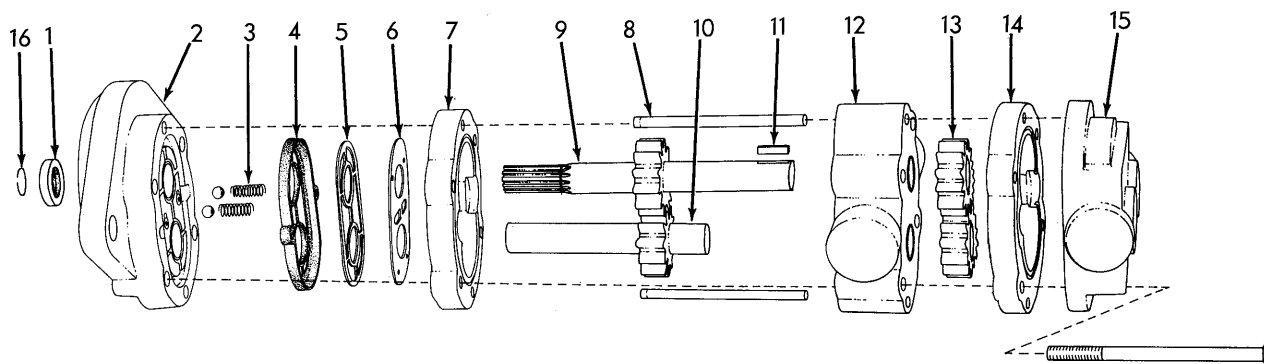
HYDRAULIC STEERING CONTROL

ITEM	PART NO.	QTY.	DESCRIPTION
1	651897	1	PUMP ASSEMBLY, oil (See page 149 for parts)
2	044249	2	CAPSCREW, 3/8"NC x 1-1/8"
	904206	2	LOCKWASHER, 3/8"
3	651322	1	GASKET, pump mounting
4	655021	1	HOSE, suction line, pump to strainer
	922974	1	ELBOW, adjustable, flare type, 90°, 3/4" tube, 7/8" straight thread (Includes O-RING 921205)
	921228	1	CONNECTOR, flare type, 1" tube, 1-5/16" straight thread (Includes O-RING 921214)
5	651388	1	STRAINER ASSEMBLY, oil (See page 151 for parts)
6	035244	4	CAPSCREW, 3/8"NC x 3/4"
	904206	4	LOCKWASHER, 3/8"
7	649540	1	BRACKET, strainer mounting
8	035221	2	CAPSCREW, 1/2"NC x 1"
	904208	2	LOCKWASHER, 1/2"
9	651183	1	HOSE, suction line, strainer to steering clutch housing (See page 6)
	921227	1	ELBOW, adjustable, flare type, 90°, 1" tube, 1-5/16" straight thread (Includes O-RING 921214)
	921912	2	CLAMP, hose, 1-1/16" to 2" diam.
10	650109	1	ADAPTER, ASSEMBLY, suction line (Includes item 11)
11	921887	1	O-RING, suction line adapter
12	632547	5	CLIP, suction line (1-1/2" diam., 17/32" bolt-hole)
13	035221	3	CAPSCREW, 1/2"NC x 1"
	904208	3	LOCKWASHER, 1/2"
	910244	2	WASHER, plain, SAE std., 1/2"
	911028	2	NUT, 1/2"NC
14	642533	1	ANGLE, suction line supporting
15	614478	1	CAPSCREW, 1/2"NF x 1-3/8"
	904208	1	LOCKWASHER, 1/2"
16	653833	1	HOSE, pressure line, pump to filter (See page 6)
	921402	1	ELBOW, adjustable, flare type, 90°, 1/2" tube, 3/4" straight thread (Includes O-RING 921349)
	921466	1	CONNECTOR, flare type, 1/2" tube, 3/4"NPT male
17	631542	1	FILTER ASSEMBLY, pressure line (See page 150 for parts)
18	035190	3	CAPSCREW, 1/2"NC x 1-1/2"
	904208	3	LOCKWASHER, 1/2"
	911028	3	NUT, 1/2"NC
19	649541	1	BRACKET, filter mounting
20	035221	2	CAPSCREW, 1/2"NC x 1"
	904208	2	LOCKWASHER, 1/2"
21	651037	1	HOSE, pressure line, filter to valve (See page 6)
	921466	1	CONNECTOR, flare type, 1/2" tube, 3/4"NPT male
	921409	1	CONNECTOR, flare type, 1/2" tube, 3/4" straight thread (Includes O-RING 921349)

(Continued)

HYDRAULIC STEERING CONTROL (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
22	644713	6	CLIP, pressure line (29/32" diam., 17/32" bolt-hole)
23	035718	1	CAPSCREW, 1/2"NC x 3/4"
24	035221	2	CAPSCREW, 1/2"NC x 1"
	904208	3	LOCKWASHER, 1/2"
	910244	1	WASHER, plain, SAE std., 1/2"
	911028	1	NUT, 1/2"NC
25	644708	1	CLIP, pressure line (For two 7/8" diam. lines, 17/32" bolt-hole)
26	035221	1	CAPSCREW, 1/2"NC x 1"
	904208	1	LOCKWASHER, 1/2"
	911028	1	NUT, 1/2"NC
27	634051	1	STRIP, hose supporting
28	653829	1	STRIP, hose supporting
29	651900	1	BRACKET, hose supporting
30	631747	1	STRIP, hose supporting
31	035221	1	CAPSCREW, 1/2"NC x 1"
	904208	1	LOCKWASHER, 1/2"
	911028	1	NUT, 1/2"NC

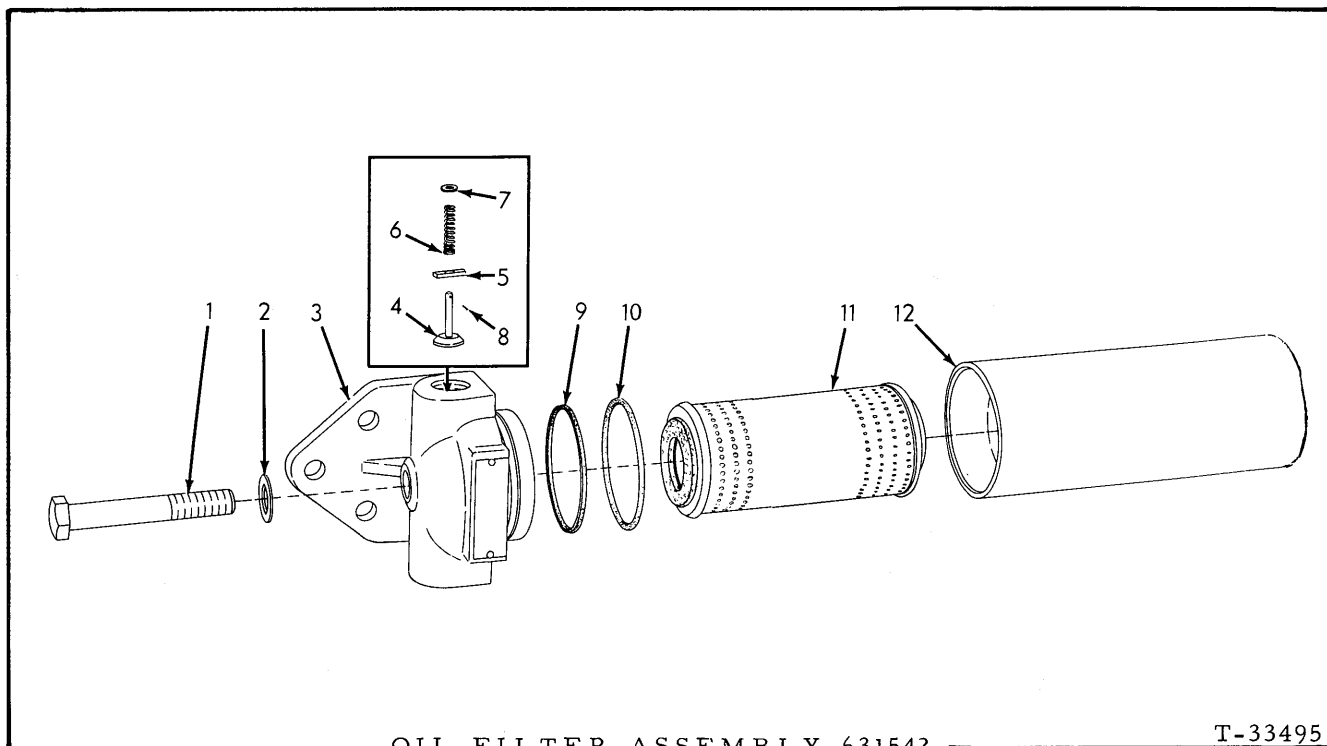


OIL PUMP ASSEMBLY 651897

T-72425

USAGE: See page 147

ITEM	PART NO.	QTY.	DESCRIPTION
1	656150	1	SEAL, oil
2	655442	1	PLATE ASSEMBLY, front (Includes bushings)
3	650679 915903	2 2	SPRING, check valve BALL, steel, 7/32" diam.
4	661605	1	SEAL, diaphragm
5	661604	1	GASKET, diaphragm
6	661603	1	DIAPHRAGM, sealing
7	654376	1	BODY, front
8	654383	2	PIN, dowel
9	654379	1	GEAR ASSEMBLY, drive (Includes shaft)
10	654380	1	GEAR ASSEMBLY, idler (Includes shaft)
11	654375	1	KEY, drive shaft
12	654382	1	BODY ASSEMBLY, center (Includes bushings)
13	661079	2	GEAR
14	654377	1	BODY, rear
15	654381 919784	1 4	PLATE, cover CAPSCREW, 5/16"NC x 4"
16	656775	1	RING, snap



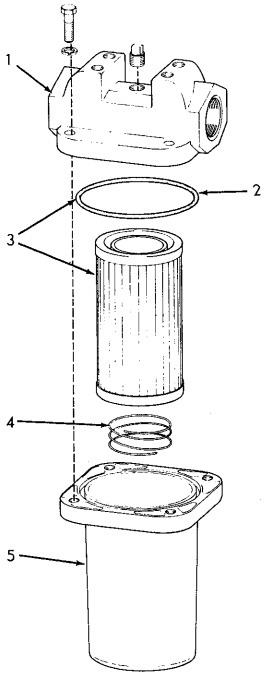
USAGE: See page 147

ITEM	PART NO.	QTY.	DESCRIPTION
1	070299	1	CAPSCREW, head retaining (5/8"NF x 4")
2	631869	1	WASHER, head retaining capscrew
3	631846	1	HEAD
4	646302	1	VALVE, by-pass
5	631868	1	SPANNER, by-pass valve
6	631870	1	SPRING, by-pass valve
7	632060	1	WASHER, by-pass valve spring
8	900970	1	PIN, cotter, 1/16" x 1/2"
9	632062	1	RING, sealing, filter head
10	632063	1	O-RING, filter head
11	631828	1	ELEMENT KIT (Includes items 2, 9 and 10)
12	631872	1	TANK

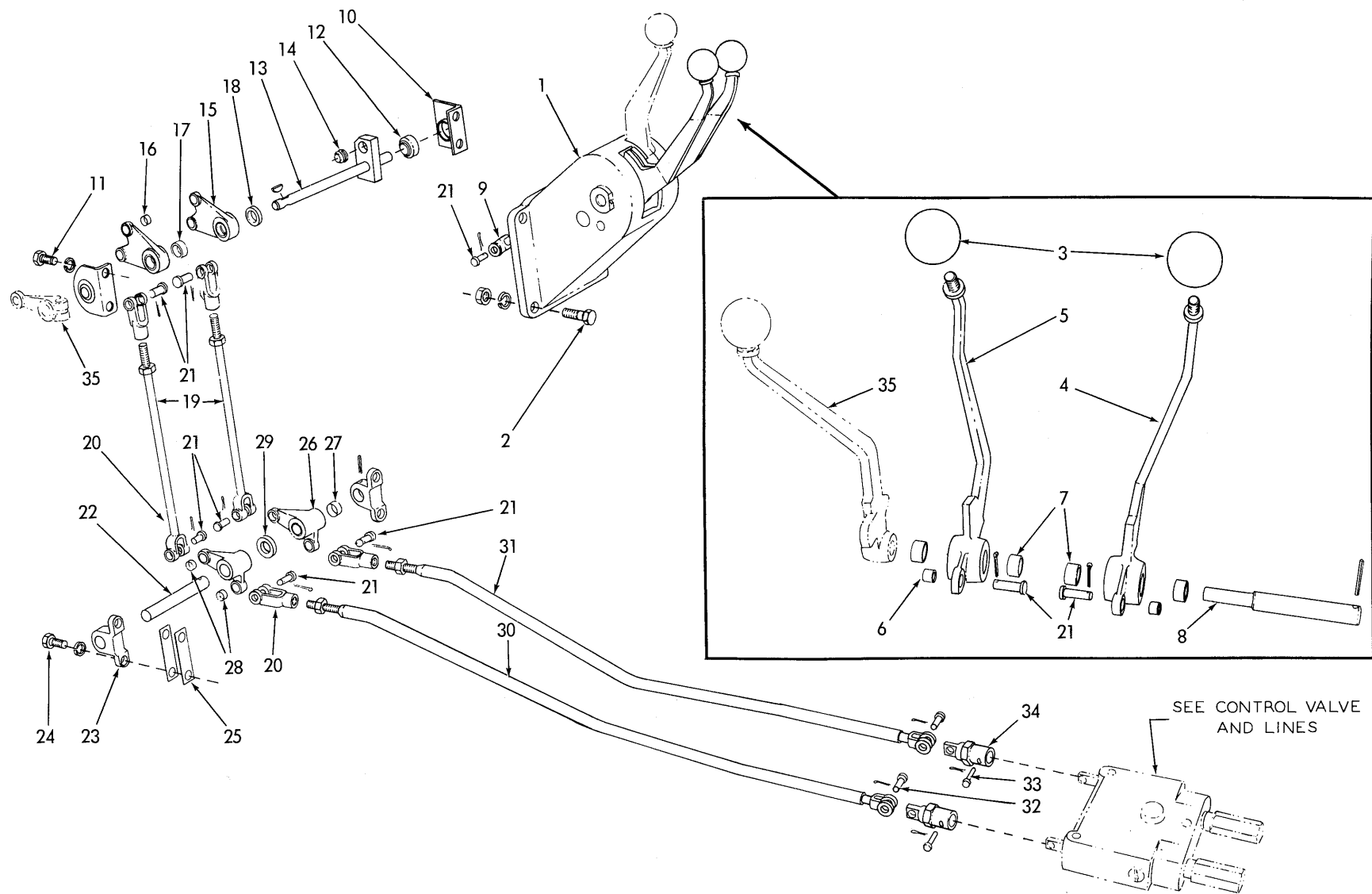
OIL STRAINER ASSEMBLY 651388

USAGE: See page 147

ITEM	PART NO.	QTY.	DESCRIPTION
1	651387	1	HEAD ASSEMBLY (Includes PLUG indented below)
	901651	1	PLUG, pipe, 1/8"NPT
	905657	4	CAPSCREW, 1/4"NC x 1"
	906958	4	LOCKWASHER, 1/4"
2	651385	1	O-RING, body
3	651506	1	ELEMENT KIT (Includes item 2)
4	651384	1	SPRING, element
5	651373	1	BODY, oil strainer



T-72328



STEERING LEVERS AND LINKAGE

T-72329

STEERING LEVERS AND LINKAGE

USAGE: Tractors prior to serial No. 13368

ITEM	PART NO.	QTY.	DESCRIPTION
1	650750	1	BRACKET, steering lever
2	614478	4	CAPSCREW, 1/2"NF x 1-3/8"
	904208	4	LOCKWASHER, 1/2"
	911043	4	NUT, 1/2"NF
3	090020	2	KNOB, steering lever
4	630847	1	LEVER ASSEMBLY, steering, left (Includes items 6 and 7)
5	630848	1	LEVER ASSEMBLY, steering, right (Includes items 6 and 7)
6	624584	2	BUSHING, steering lever (small)
7	630795	4	BUSHING, steering lever (large)
8	629716	1	SHAFT, steering levers
	915989	1	PIN, roll, 3/16" x 1-3/8"
9	633633	2	ROD, upper
10	654656	2	BEARING ASSEMBLY, lever (Includes item 12)
11	036032	4	CAPSCREW, 3/8"NF x 3/4"
	904206	4	LOCKWASHER, 3/8"
12	654980	2	BUSHING (ball-type)
13	650713	1	LEVER ASSEMBLY (Includes item 14)(Also serves as upper bellcrank shaft)
14	650712	1	BEARING, lever (spherical)
15	633687	2	BELLCRANK ASSEMBLY, upper (Includes items 16 and 17)
16	624584	4	BUSHING, upper bellcrank (small)
17	630795	4	BUSHING, upper bellcrank (large)
18	062334	1	WASHER, spacing, upper bellcrank
19	633636	2	ROD, vertical
	911041	2	NUT, 3/8"NF
20	628736	4	YOKE, control rod
21	078810	10	PIN, control linkage yokes
	900801	10	PIN, cotter, 3/32" x 3/4"
22	633628	1	SHAFT, lower
	915751	1	PIN, roll, 3/16" x 1-1/2"
23	633607	2	BLOCK, pillow, lower shaft
24	036034	4	CAPSCREW, 3/8"NF x 1"
	904206	4	LOCKWASHER, 3/8"
25	061554	8	SHIM, lower shaft pillow block (Use as required)
26	633648	2	BELLCRANK ASSEMBLY, lower (Includes items 27 and 28)
27	630795	4	BUSHING, lower bellcrank (large)

(Continued)

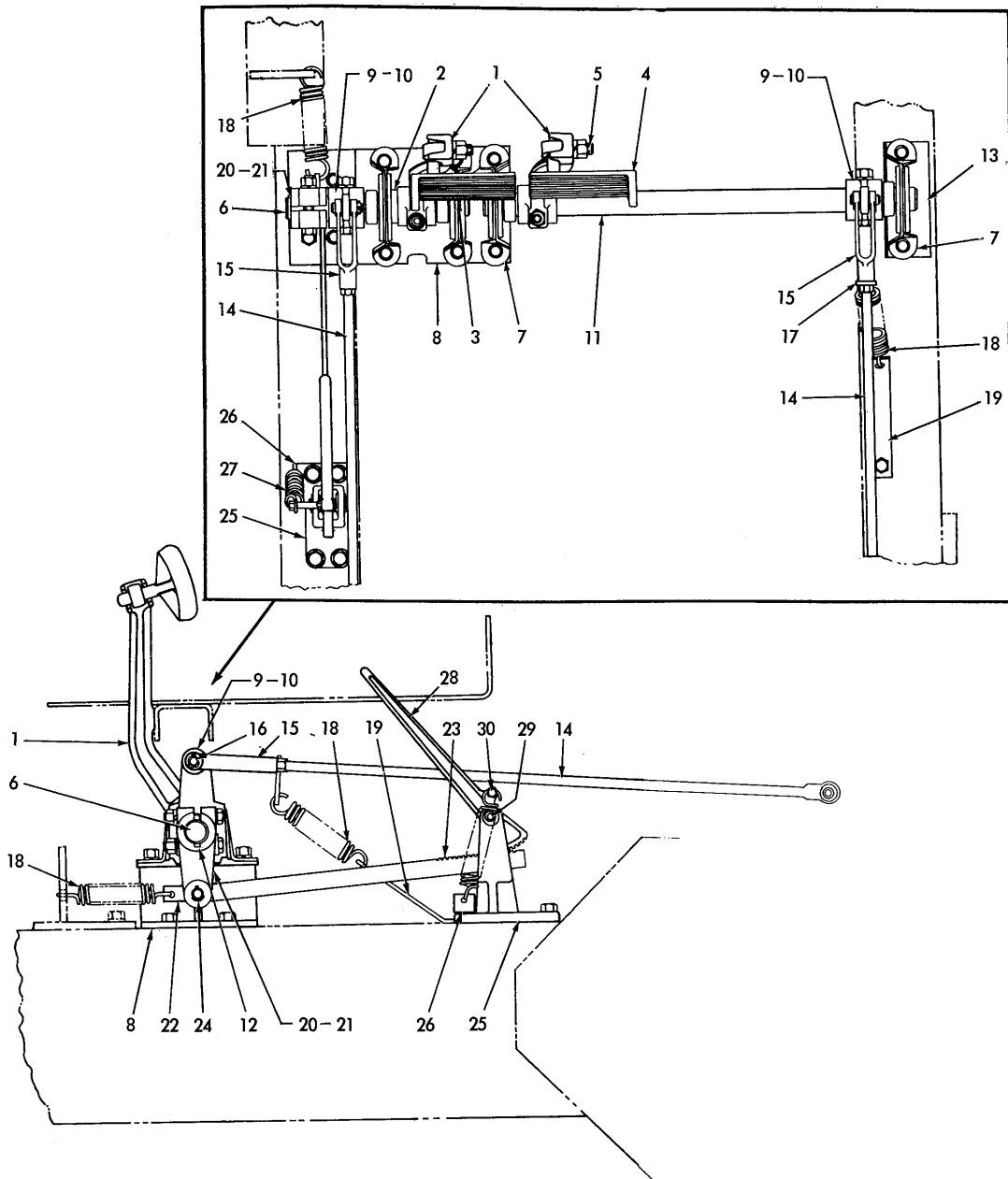
STEERING LEVERS AND LINKAGE (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
28	624584	4	BUSHING, lower bellcrank (small)
29	062334	1	SPACER, lower shaft
30	651921	1	ROD, horizontal, left
	911041	1	NUT, 3/8"NF
31	651922	1	ROD, horizontal, right
	911041	1	NUT, 3/8"NF
32	627451	2	PIN, control rod, rear
	900801	2	PIN, cotter, 3/32" x 3/4"
33	630833	2	PIN, retaining, over-travel
	900801	2	PIN, cotter, 3/32" x 3/4"
34	656151	2	OVER-TRAVEL ASSEMBLY (Serviced only as a unit)
35	-----	-	LEVERS (See THROTTLE CONTROL)
36	072438	2	SPRING, retracting, horizontal rod
37	628821	2	CLIP, rod retracting spring

BRAKE CONTROL

ITEM	PART NO.	QTY.	DESCRIPTION
1	650044	2	LEVER, pedal
	035278	2	CAPSCREW, 1/2"NF x 2-3/4"
	904208	2	LOCKWASHER, 1/2"
	911043	2	NUT, 1/2"NF
2	912832	1	WASHER, spacing, left pedal
3	623151	1	PAD, left pedal
4	641820	1	PAD, right pedal
5	050433	2	EYE-BOLT, pedal pad
	904209	2	LOCKWASHER, 5/8"
	911044	2	NUT, 5/8"NF
6	650016	1	SHAFT, left pedal
7	650026	4	BEARING, pedal shaft
	614478	8	CAPSCREW, 1/2"NF x 1-3/8"
	904208	8	LOCKWASHER, 1/2"
	911043	8	NUT, 1/2"NF
	910244	8	WASHER, plain, SAE std., 1/2"
8	650010	1	BRACKET, pedal shaft, left
	035073	4	CAPSCREW, 1/2"NF x 1-3/4" (Tractors prior to #13246)
	035278	4	CAPSCREW, 1/2"NF x 2-3/4" (Tractors #13246 and up)
	904208	4	LOCKWASHER, 1/2"
	911043	4	NUT, 1/2"NF
9	650057	2	LEVER ASSEMBLY, pedal shaft (Includes item 10)
	035278	2	CAPSCREW, 1/2"NF x 2-3/4"
	904208	2	LOCKWASHER, 1/2"
	911043	2	NUT, 1/2"NF
10	049988	2	BUSHING, shaft lever
11	650022	1	SHAFT, right pedal
12	631883	5	KEY, pedal shafts
13	650002	1	CHANNEL, pedal shaft, right
	035073	2	CAPSCREW, 1/2"NF x 1-3/4" (Tractors prior to #13246)
	035278	2	CAPSCREW, 1/2"NF x 2-3/4" (Tractors #13246 and up)
	904208	2	LOCKWASHER, 1/2"
	911043	2	NUT, 1/2"NF
14	650045	2	ROD, brake
	913830	2	NUT, jam, 1/2"NF
15	918003	2	YOKE, brake rod
16	049993	4	PIN, brake rod
	900806	4	PIN, cotter, 1/8" x 1"
17	631747	1	STRIP, right pedal retracting spring
18	624766	2	SPRING, pedal retracting

(Continued)

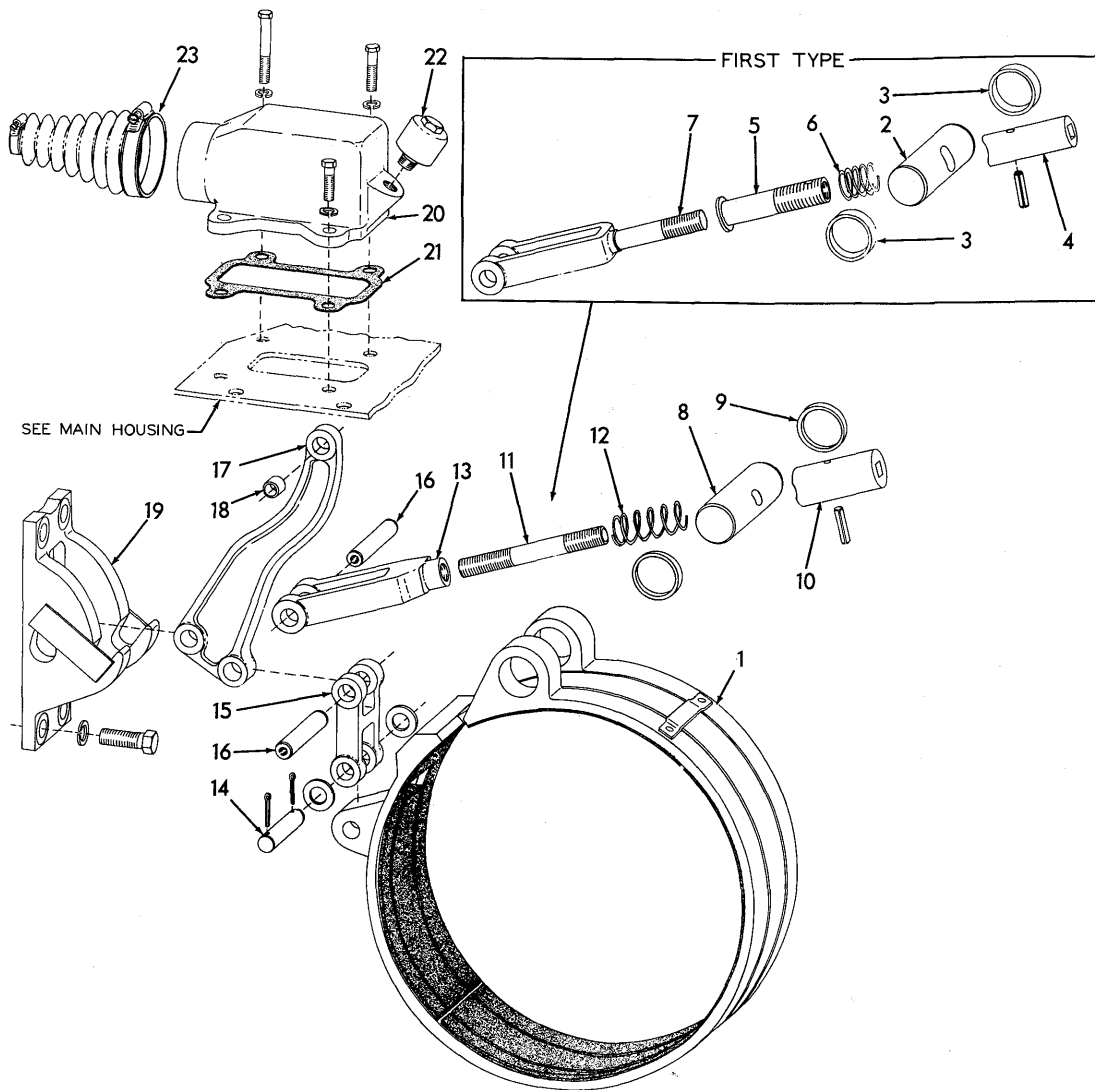


B R A K E C O N T R O L

T-72330

BRAKE CONTROL (Continueud)

ITEM	PART NO.	QTY.	DESCRIPTION
19	650027	1	BRACKET, right pedal retracting spring
	614478	1	CAPSCREW, 1/2"NF x 1-3/8"
	904208	1	LOCKWASHER, 1/2"
	911043	1	NUT, 1/2"NF
20	650059	1	LEVER ASSEMBLY, parking brake (Includes item 21)
	035278	1	CAPSCREW, 1/2"NF x 2-3/4"
	904208	1	LOCKWASHER, 1/2"
	911043	1	NUT, 1/2"NF
21	049988	1	BUSHING, parking brake lever
22	650039	1	PLATE, left pedal retracting spring
23	650046	1	BAR, parking brake
24	049993	1	PIN, parking brake bar
	900806	1	PIN, cotter, 1/8" x 1"
25	650053	1	BRACKET, parking brake
	035073	3	CAPSCREW, 1/2"NF x 1-3/4"
	035067	1	CAPSCREW, 1/2"NF x 2"
	904208	4	LOCKWASHER, 1/2"
	911043	4	NUT, 1/2"NF
26	650037	1	ANGLE, parking brake spring
27	043881	1	SPRING, parking brake
28	650038	1	LOCK, parking brake
29	033074	1	PIN, parking brake lock
	900806	1	PIN, cotter, 1/8" x 1"
30	068320	1	CAPSCREW, parking brake lock
	911025	1	NUT, 5/16"NC



BRAKES

T-74886

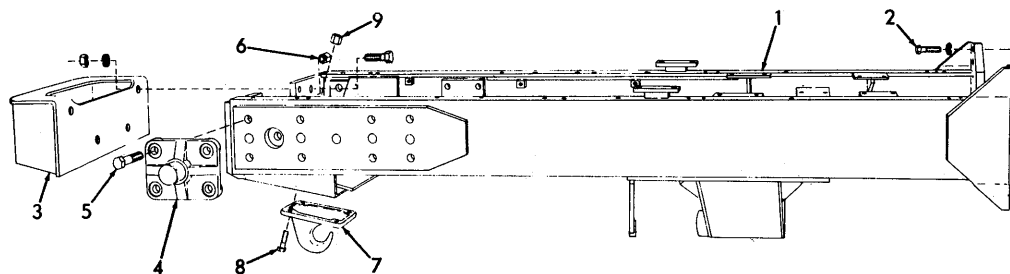
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(Added November 1969)

BRAKES

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

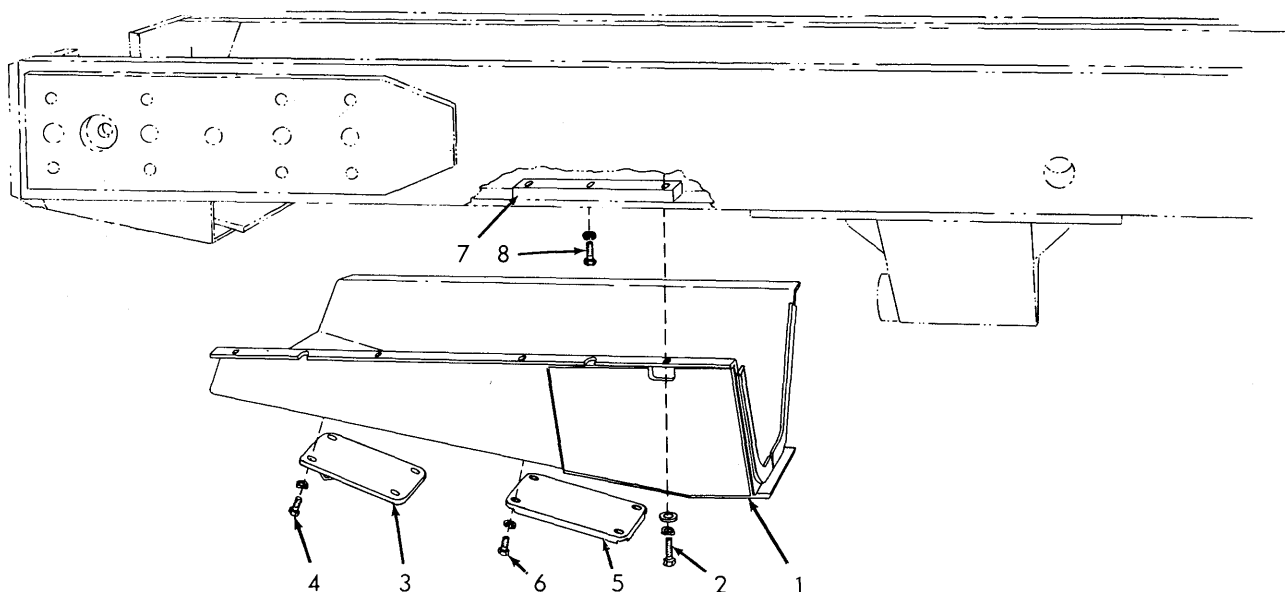
ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	650328	2	2	BAND, brake
2	-----	2	-	PIN, brake band (Order items 8 thru 13)
3	650253	4	-	SPACER, brake band pin
4	646994	2	-	BLOCK, band adjusting
	915797	2	-	PIN, spring, 3/16" x 1-1/4"
5	646912	2	-	SCREW, band adjusting
6	077309	2	-	SPRING, band adjusting
7	-----	2	-	FORK, brake band (Order item 8 thru 13)
8	668292	-	2	PIN, brake band
9	668291	-	4	SPACER, brake band pin
10	668293	-	2	BLOCK, band adjusting
	915751	-	2	PIN, spring, 3/16" x 1-1/2"
11	668290	-	2	ROD, band adjusting
12	651245	-	2	SPRING, band adjusting
13	668295	-	2	FORK, brake band
14	650254	2	2	PIN, brake band yoke
	900806	4	4	PIN, cotter, 1/8" x 1"
	911100	4	4	WASHER, plain, SAE std., 5/8"
15	650269	2	2	YOKE, brake band
16	{ 648138	4	-	PIN, brake lever
	668329	-	4	PIN, brake lever
17	650282	2	2	LEVER ASSY., brake band (Includes item 18)
18	049988	2	2	BUSHING, brake band lever
19	650280	2	2	BRACKET, brake band lever
	631795	8	8	CAPSCREW, Nylok, 5/8"NF x 1-3/4"
	904209	8	8	LOCKWASHER, 5/8"
20	648795	2	2	COVER, band linkage
	040382	6	6	CAPSCREW, 3/8"NC x 1-3/8"
	914847	1	1	CAPSCREW, 3/8"NC x 1-1/2"
	056721	1	1	CAPSCREW, 3/8"NC x 2-1/2"
	904206	8	8	LOCKWASHER, 3/8"
21	649205	2	2	GASKET, band linkage cover
22	{ 050748	1	1	BREATHER, brake compartment (left side)
	907856	1	1	PLUG, pipe, hex-socket, 3/8"NPT (right side)
23	648167	2	2	BOOT, brake rod
	921914	2	2	CLAMP, hose, 2-5/16" to 3-1/4" diam.
	921911	2	2	CLAMP, hose, 11/16" to 1-1/4"



T-41921

MAIN FRAME

ITEM	PART NO.	QTY.	DESCRIPTION
1	648499	1	FRAME (Tractors prior to #14001)
	667223	1	FRAME (Tractors #14001 and up)
2	070159	2	CAPSCREW, 7/8"NF x 3"
	012762	6	CAPSCREW, 7/8"NF x 3-1/4"
	914727	8	LOCKWASHER, 7/8"
3	641167	1	BUMPER, front (33-1/2" long)(Standard on Model HD11E)
	085617	1	BUMPER, front (60" long)(Standard on Model HD11AG; optional on HD11E)
	918490	4	CAPSCREW, 1"NF x 2-1/2"
	910916	4	LOCKWASHER, 1"
	911047	4	NUT, 1"NF
4	085349	2	TRUNNION, radiator guard mounting
5	031055	8	CAPSCREW, 1"NF x 4"
6	600236	8	NUT, high, 1"NF
7	050543	1	HOOK, front pull (Special equipment)
8	012984	4	CAPSCREW, 3/4"NF x 2-3/4"
9	012767	4	NUT, high, 3/4"NF

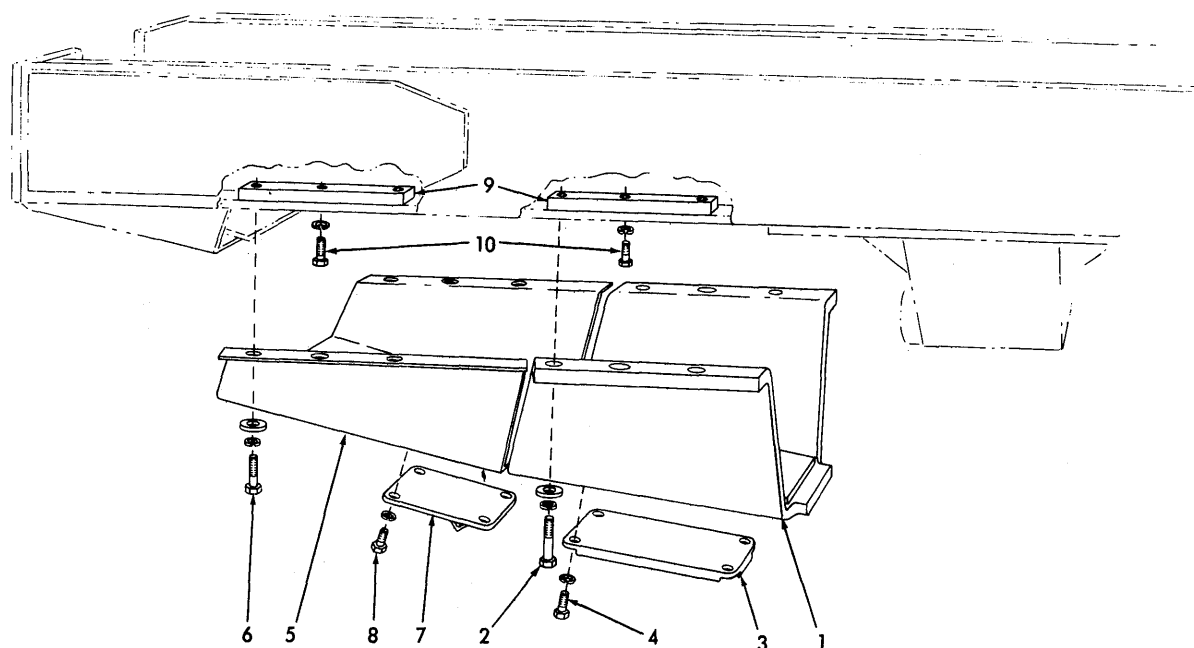


CRANKCASE GUARD

T-41936

USAGE: Special equipment. Used prior to February 1968

ITEM	PART NO.	QTY.	DESCRIPTION
1	646117	1	GUARD ASSEMBLY, crankcase (Includes items 3 thru 6)
2	035073	8	CAPSCREW, 1/2"NF x 1-3/4"
	904208	8	LOCKWASHER, 1/2"
	064531	8	WASHER, plain
3	057777	1	COVER, crankcase drain hole
4	070467	4	CAPSCREW, 1/2"NF x 1"
	904208	4	LOCKWASHER, 1/2"
5	646501	1	COVER, water drain hole
6	070467	4	CAPSCREW, 1/2"NF x 1"
	904208	4	LOCKWASHER, 1/2"
7	621722	4	BLOCK, tapped
8	614478	4	CAPSCREW, 1/2"NF x 1-3/8"
	904208	4	LOCKWASHER, 1/2"



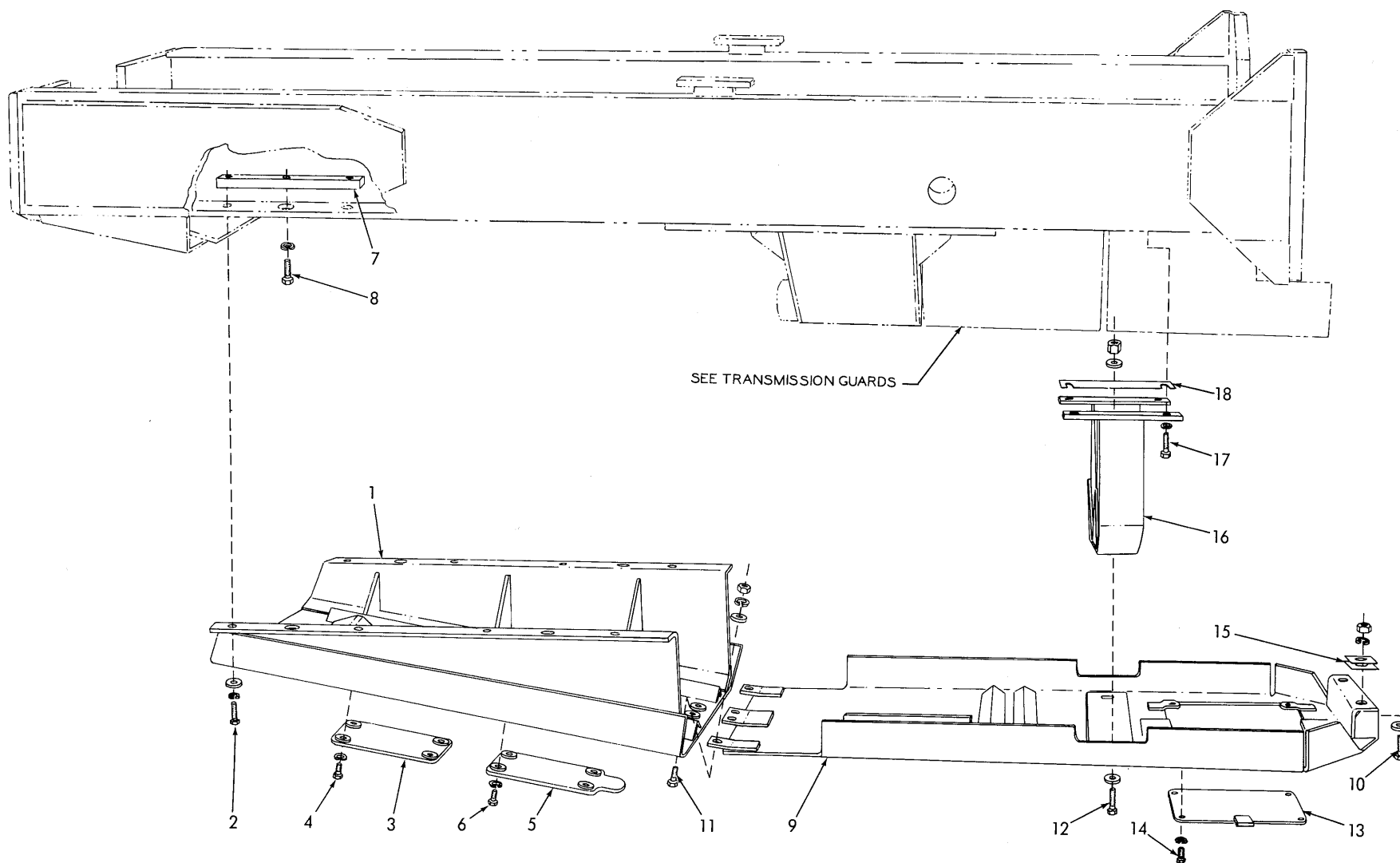
CRANKCASE GUARD (Second type)

T-74696

USAGE: Special equipment. Effective February 1968.

ITEM PART NO. QTY. DESCRIPTION

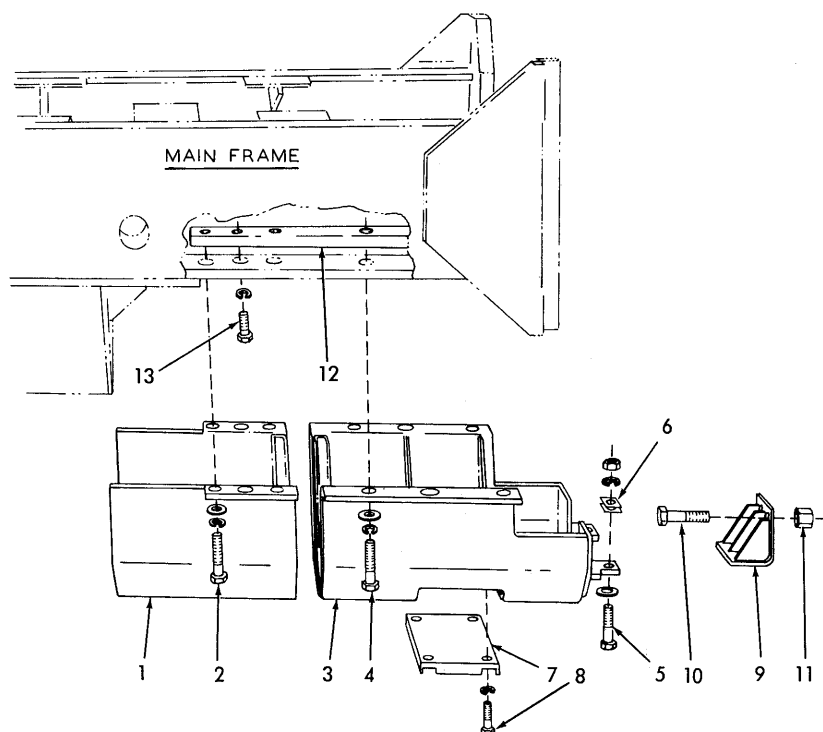
1	660957	1	GUARD ASSEMBLY, crankcase, rear (Includes items 3 and 4) (Tractors prior to #14001)
	667249	1	GUARD ASSEMBLY, crankcase, rear (Includes items 3 and 4) (Tractors #14001 and up)
2	012871	4	CAPSCREW, 1/2"NC x 2-3/4"
	904208	4	LOCKWASHER, 1/2"
	064531	4	WASHER, plain
3	646501	1	COVER, water drain hole
4	035061	4	CAPSCREW, 1/2"NC x 1-1/4"
	904208	4	LOCKWASHER, 1/2"
5	660959	1	GUARD ASSEMBLY, crankcase, front (Includes items 7 and 8)
6	921556	4	CAPSCREW, 1/2"NC x 2"
	904208	4	LOCKWASHER, 1/2"
	064531	4	WASHER, plain
7	660864	1	COVER, crankcase drain hole
8	035061	4	CAPSCREW, 1/2"NC x 1-1/4"
	904208	4	LOCKWASHER, 1/2"
9	661168	4	BAR, tapped
10	035733	4	CAPSCREW, 1/2"NC x 1-3/8"
	904208	4	LOCKWASHER, 1/2"



BOTTOM GUARDS

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

ITEM	PART NO.	QTY.	DESCRIPTION
1	638695	1	GUARD ASSY., front section (Includes items 3 thru 6)(Tractors prior to #14001)
	667279	1	GUARD ASSY., front section (Includes items 3 thru 6)(Tractors #14001 and up)
2	035067	8	CAPSCREW, 1/2"NF x 2" (Tractors prior to #14001)
	916314	8	CAPSCREW, 1/2"NC x 2" (Tractors #14001 and up)
	904208	8	LOCKWASHER, 1/2"
	064531	8	WASHER, plain
3	092760	1	COVER, water drain hole
4	035221	4	CAPSCREW, 1/2"NC x 1"
	904208	4	LOCKWASHER, 1/2"
5	621272	1	COVER, crankcase oil drain hole
6	035221	4	CAPSCREW, 1/2"NC x 1"
	904208	4	LOCKWASHER, 1/2"
7	621722	4	BLOCK, tapped
8	614478	4	CAPSCREW, 1/2"NF x 1-3/8"
	904208	4	LOCKWASHER, 1/2"
9	639196	1	GUARD ASSY., rear section (Includes items 13 and 14)
10	013467	2	CAPSCREW, 5/8"NF x 3"
	064810	2	WASHER, plain
	904209	2	LOCKWASHER, 5/8"
	911044	2	NUT, 5/8"NF
11	035073	4	CAPSCREW, 1/2"NF x 1-3/4"
	064531	4	WASHER, plain
	904208	4	LOCKWASHER, 1/2"
	911043	4	NUT, 1/2"NF
12	035892	2	CAPSCREW, 1/2"NF x 2-1/2"
	064531	4	WASHER, plain
	038234	2	NUT, high, 1/2"NF
13	064219	1	COVER, transmission oil drain
14	035221	4	CAPSCREW, 1/2"NC x 1"
	904208	4	LOCKWASHER, 1/2"
15	638480	4	SHIM, rear guard (1/16" thick. Use as required)
	638479	4	SHIM, rear guard (1/8" thick. Use as required)
16	639194	1	CHANNEL, supporting, rear guard
17	070403	4	CAPSCREW, 1/2"NF x 3" (Tractors prior to #14001)
	915969	4	CAPSCREW, 1/2"NC x 3" (Tractors #14001 and up)
	904208	4	LOCKWASHER, 1/2"
18	639188	4	SHIM, channel spacing (1/16" thick. Use as required)
	639187	4	SHIM, channel spacing (1/8" thick. Use as required)



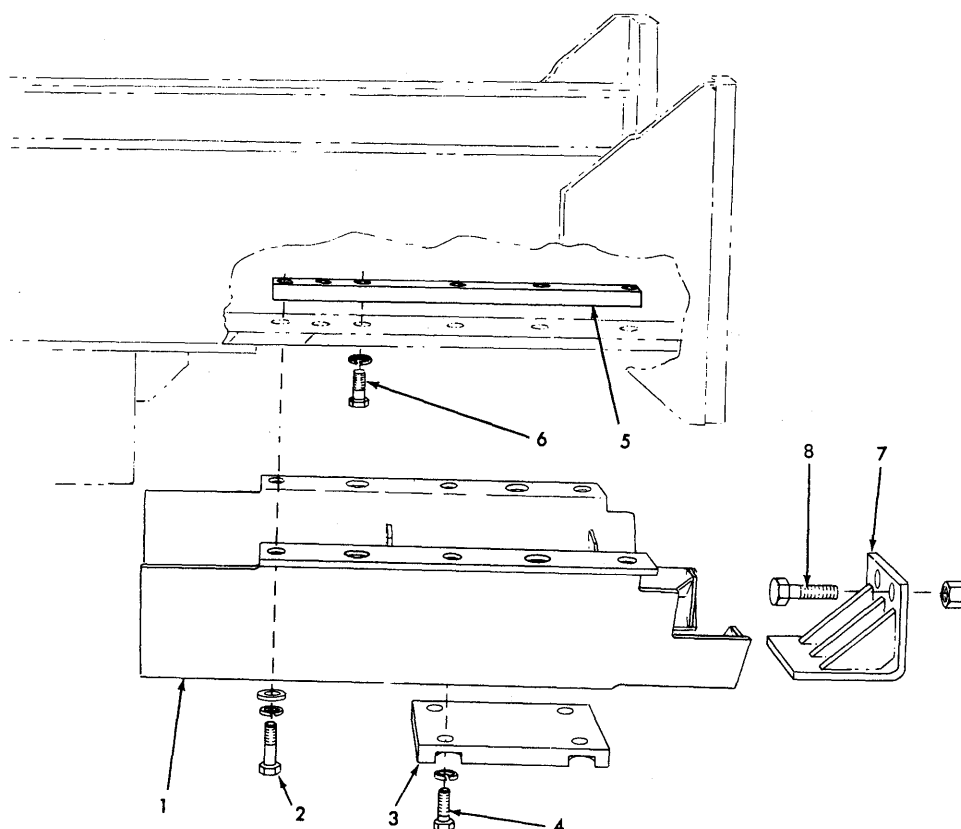
TRANSMISSION GUARDS

T-72331

USAGE: Special equipment. Used prior to February 1968

ITEM PART NO. QTY. DESCRIPTION

1	638442	1	GUARD, transmission, front section
2	035068	4	CAPSCREW, 1/2"NF x 2-1/4" (Not used on units with BOTTOM GUARDS)
	904208	4	LOCKWASHER, 1/2"
	064531	4	WASHER, plain
3	646490	1	GUARD, transmission, rear section
4	035068	4	CAPSCREW, 1/2"NF x 2-1/4" (2 less used on units with BOTTOM GUARDS)
	904208	4	LOCKWASHER, 1/2"
	064531	4	WASHER, plain
5	035248	2	CAPSCREW, 5/8"NF x 2-1/4" (Not used on units with BOTTOM GUARDS)
	064810	2	WASHER, plain
	904209	2	LOCKWASHER, 5/8"
	911044	2	NUT, 5/8"NF
6	638480	4	SHIM, rear transmission guard (1/16" thick. Use as required)
	638479	4	SHIM, rear transmission guard (1/8" thick. Use as required)
7	637971	4	COVER, rear transmission guard
8	035190	4	CAPSCREW, 1/2"NF x 1-1/2"
	904208	4	LOCKWASHER, 1/2"
9	644483	1	COVER, rear (Not used on units equipped with special SWINGING DRAWBAR)
10	013465	4	CAPSCREW, 3/4"NF x 2-1/2"
11	012767	4	NUT, high, 3/4"NF
12	646591	2	BAR, tapped
13	614478	4	CAPSCREW, 1/2"NF x 1-3/8"
	904208	4	LOCKWASHER, 1/2"



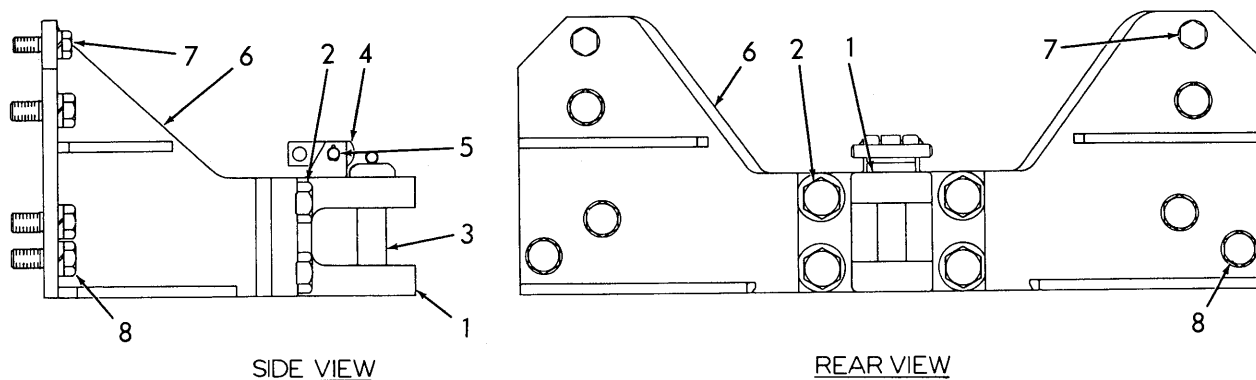
TRANSMISSION GUARDS (Second type)

T-74695

USAGE: Special equipment. Effective February 1968.

ITEM PART NO. QTY. DESCRIPTION

1	649746	1	GUARD, transmission
2	921556	6	CAPSCREW, 1/2"NC x 2"
	904208	6	LOCKWASHER, 1/2"
	064531	6	WASHER, plain
3	643770	1	COVER, transmission guard
4	035190	4	CAPSCREW, 1/2"NF x 1-1/2"
	904208	4	LOCKWASHER, 1/2"
5	661169	2	BAR, tapped
6	035733	4	CAPSCREW, 1/2"NC x 1-3/8"
	904208	4	LOCKWASHER, 1/2"
7	665951	1	COVER, rear (Not used on units equipped with swinging drawbar)
8	070792	4	CAPSCREW, 3/4"NC x 2-1/2"
	911030	4	NUT, 3/4"NC

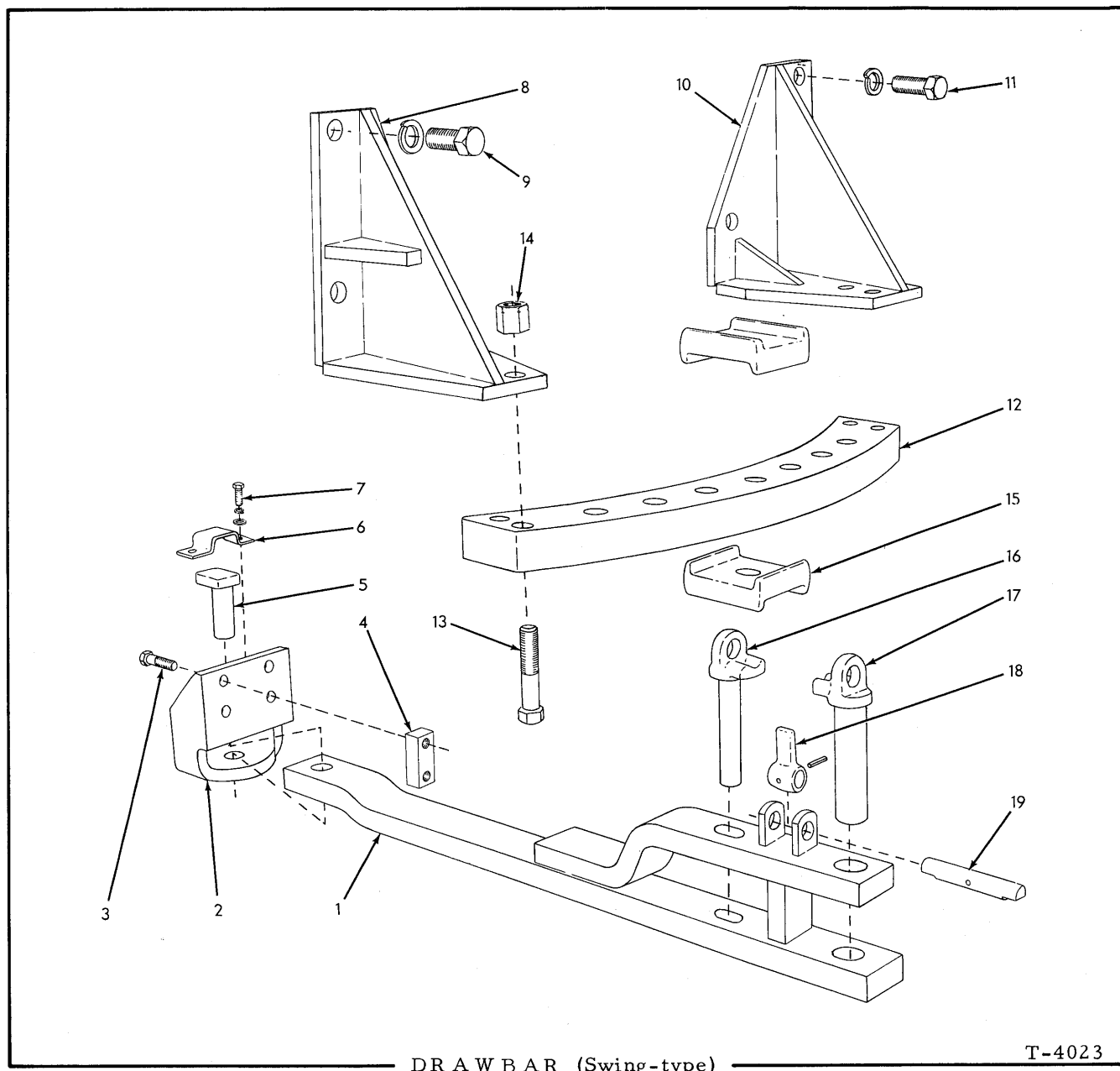


DRAW BAR (Fixed-type)

T-41926

USAGE: Standard equipment.

ITEM	PART NO.	QTY.	DESCRIPTION
1	633729	1	BRACKET, coupling
2	633733	4	CAPSCREW, 1-1/2"NF x 5-1/2"
	913077	4	LOCKWASHER, 1-1/2"
	916555	4	NUT, 1-1/2"NF
3	633730	1	PIN, drawbar
4	629697	1	BLOCK, retaining, drawbar pin
5	629698	1	PIN, retaining block
	900806	2	PIN, cotter, 1/8" x 1"
6	633863	1	BRACKET, supporting
7	070272	2	CAPSCREW, 1"NF x 3"
	910916	2	LOCKWASHER, 1"
8	066794	6	CAPSCREW, 1-1/4"NF x 3-1/4"
	904210	6	LOCKWASHER, 1-1/4"



DR A W B A R (Swing-type)

T-4023

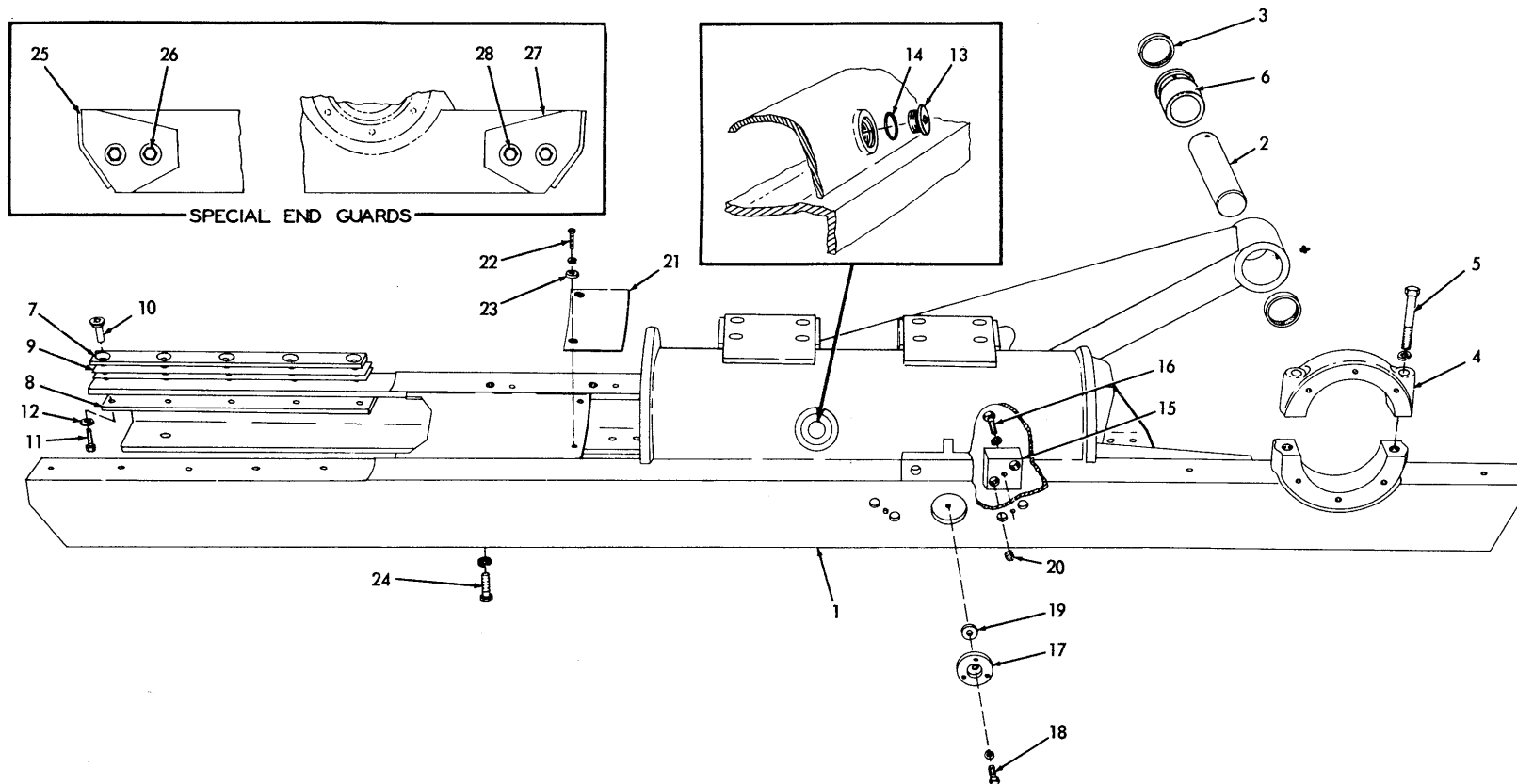
USAGE: Optional equipment.

ITEM	PART NO.	QTY.	DESCRIPTION
1	056711	1	DRAWBAR
2	647923	1	BRACKET, hinge pin
3	012984	4	CAPSCREW, 3/4"NF x 2-3/4"
4	647922	2	BLOCK, tapped
5	080667	1	PIN, hinge
6	050447	1	PLATE, hinge pin retaining
7	070469	2	CAPSCREW, 1/2"NF x 1-1/4"
	904208	2	LOCKWASHER, 1/2"
	910244	2	WASHER, plain, SAE std., 1/2"

(Continued)

DRAWBAR (Swing-type)(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
8	064413	1	BRACKET, supporting plate, left
9	073468	3	CAPSCREW, 1"NF x 2-1/2"
	910916	3	LOCKWASHER, 1"
10	064414	1	BRACKET, supporting plate, right
11	073468	3	CAPSCREW, 1"NF x 2-1/2"
	910916	3	LOCKWASHER, 1"
12	058759	1	PLATE, supporting
13	036546	4	CAPSCREW, 1"NF x 4-1/4"
14	600236	4	NUT, high, 1"NF
15	056706	2	SHOE, wear
16	056702	1	PIN, drawbar locking
17	059007	1	PIN, drawbar coupling
18	051352	1	ARM, locking, drawbar pins
	915504	1	PIN, roll, 5/16" x 1-3/4"
19	078867	1	SHAFT, locking arm



TRACK FRAME

T-38134

TRACK FRAME

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

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	0643909-5	1	-	FRAME ASSY., left (Tractors prior to #14145)
	0666461-9	1	-	FRAME ASSY., left (Tractors #14145 and up)
	0914465-0	1	-	FITTING, lubricating, 1/8"NPT
	0648493-5	-	1	FRAME ASSY., left (Units with equalizing beam)(Used prior to October 1969)
	0666639-0	-	1	FRAME ASSY., left (Units with equalizing beam)(Effective October 1969)
	0914465-0	-	1	FITTING, lubricating, 1/8"NPT
	0659747-0	-	1	FRAME ASSY., left (Units with rigid beam)(Used prior to October 1969)
	0666681-2	-	1	FRAME ASSY., left (Units with rigid beam)(Effective October 1969)
	0914465-0	-	1	FITTING, lubricating, 1/8"NPT
	0643910-3	1	-	FRAME ASSY., right (Tractors prior to #14145)
	0666462-7	1	-	FRAME ASSY., right (Tractors #14145 and up)
	0914465-0	1	-	FITTING, lubricating, 1/8"NPT
	0648494-3	-	1	FRAME ASSY., right (Units with equalizing beam)(Used prior to October 1969)
	0666640-8	-	1	FRAME ASSY., right (Units with equalizing beam)(Effective October 1969)
	0914465-0	-	1	FITTING, lubricating, 1/8"NPT
	0659748-8	-	1	FRAME ASSY., right (Units with rigid beam)(Used prior to October 1969)
	0666682-0	-	1	FRAME ASSY., right (Units with rigid beam)(Effective October 1969)
	0914465-0	-	1	FITTING, lubricating, 1/8"NPT
NOTE: Each Frame Assembly listed above includes items 4 thru 6.				
2	0056260-3	2	2	SHAFT, pivot (Tractors prior to #14145)
	0907070-7	2	2	PLUG, pipe, ctsk-hd., 1/4"NPT
	0666464-3	2	2	SHAFT, pivot (Tractors serial #14145 and up)
3	0629733-7	2	2	SEAL, pivot shaft (1/2" wide)(Tractors prior to #14145)
	0666465-0	2	2	SEAL, pivot shaft (1/4" wide)(Tractors serial #14145 and up)
4	0056895-6	2	2	CAP, sprocket shaft bearing
5	0071014-5	4	4	CAPSCREW, 3/4"NF x 4-1/2"
	0904369-6	4	4	LOCKWASHER, 3/4"

(Continued)

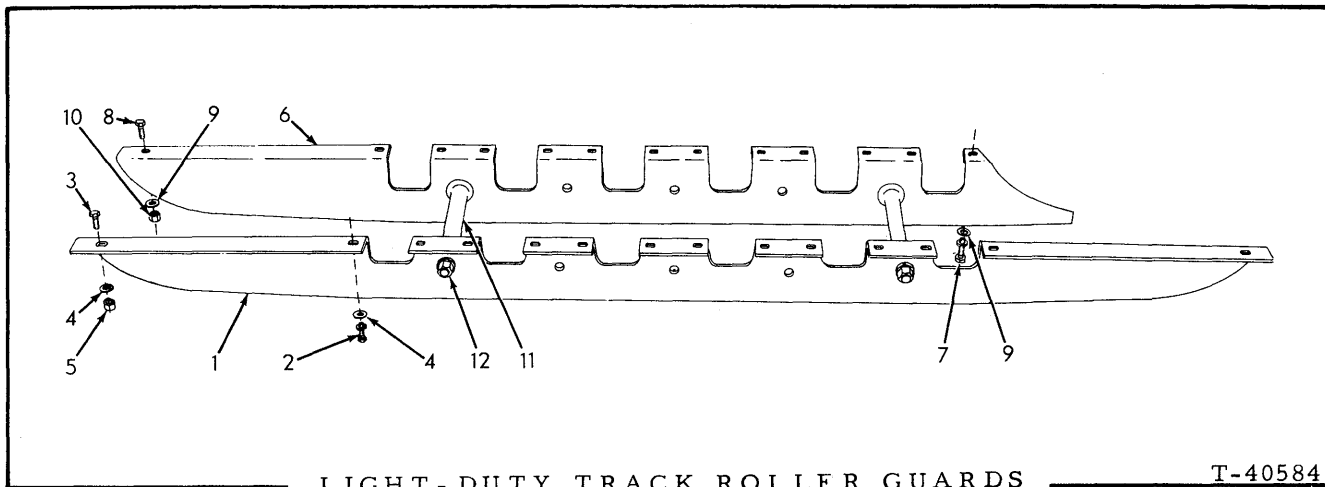
(Revised June 1970)

TRACK FRAME (Continued)

ITEM	PART NO.	QTY. * **		DESCRIPTION	
6	0056261-1	2	2	BUSHING, pivot shaft (4" long)(Tractors prior to #14145)	
	0666459-3	2	2	BUSHING, pivot shaft (4-1/4" long)(Tractors serial #14145 and up)	
7	0642979-9	4	4	BAR, slide, track idler, upper (Tractors prior to #13131)	
	0658238-1	4	4	BAR, slide, track idler, upper (Tractors #13131 and up)	
8	0643837-8	4	4	BAR, slide, track idler, lower (Tractors prior to #13131)	
	0658237-3	4	4	BAR, slide, track idler, lower (Tractors #13131 and up)	
9	0637735-2	8	8	SHIM, slide bar (2" wide)(Tractors prior to #13131)	} Use as Required
	0658236-5	12	12	SHIM, slide bar (2-1/4" wide)(Tractor #13131 and up)	
10	0631687-1	20	20	DOWEL, tapped, slide bar retaining	
11	0646164-4	20	20	CAPSCREW, Nylok, 3/8"NF x 7/8"	
12	0647080-1	20	20	WASHER, plain	
13	0035250-0	2	2	PLUG, release spring chamber filler	
14	0667252-1	2	2	GASKET, filler plug	
15	0056898-0	4	-	BLOCK, tapped (For mounting dozer equipment)	
16	0035073-6	4	-	CAPSCREW, 1/2"NF x 1-3/4"	
	0904208-6	4	-	LOCKWASHER, 1/2"	
17	0056896-4	2	-	PLUG, protective (Special. Not used when mounting dozer equipment)	
18	0035244-3	2	-	CAPSCREW, 3/8"NC x 3/4"	
	0904206-0	2	-	LOCKWASHER, 3/8"	
19	0064531-7	2	-	WASHER, plug spacing	
20	0666335-5	8	-	CORK, thread protecting (7/8" diam.)	
21	0097332-1	2	2	PLATE, dirt closure	
22	0012992-4	4	4	CAPSCREW, 3/8"NF x 1-1/4" (Tractors prior to #14200)	
	0919226-1	4	4	CAPSCREW, 3/8"NC x 1-5/8" (Tractors #14200 and up)	
	0904206-0	4	4	LOCKWASHER, 3/8"	
23	0044973-6	4	4	WASHER, plain	
24	0912328-2	48	42	CAPSCREW, thread protecting (5/8"NF x 2")(Removed when guards are installed)	
	0904209-4	48	42	LOCKWASHER, 5/8"	
25	0656677-2	3	3	GUARD, end, left hand	} Special Equipment
26	0023465-8	6	6	CAPSCREW, 5/8"NF x 1-3/4"	
	0904209-4	6	6	LOCKWASHER, 5/8"	
	0911044-6	6	6	NUT, 5/8"NF	
27	0656678-0	3	3	GUARD, end, right hand	
28	0023465-8	6	6	CAPSCREW, 5/8"NF x 1-3/4"	
	0904209-4	6	6	LOCKWASHER, 5/8"	
	0911044-6	6	6	NUT, 5/8"NF	

(Added June 1970)

MEMO



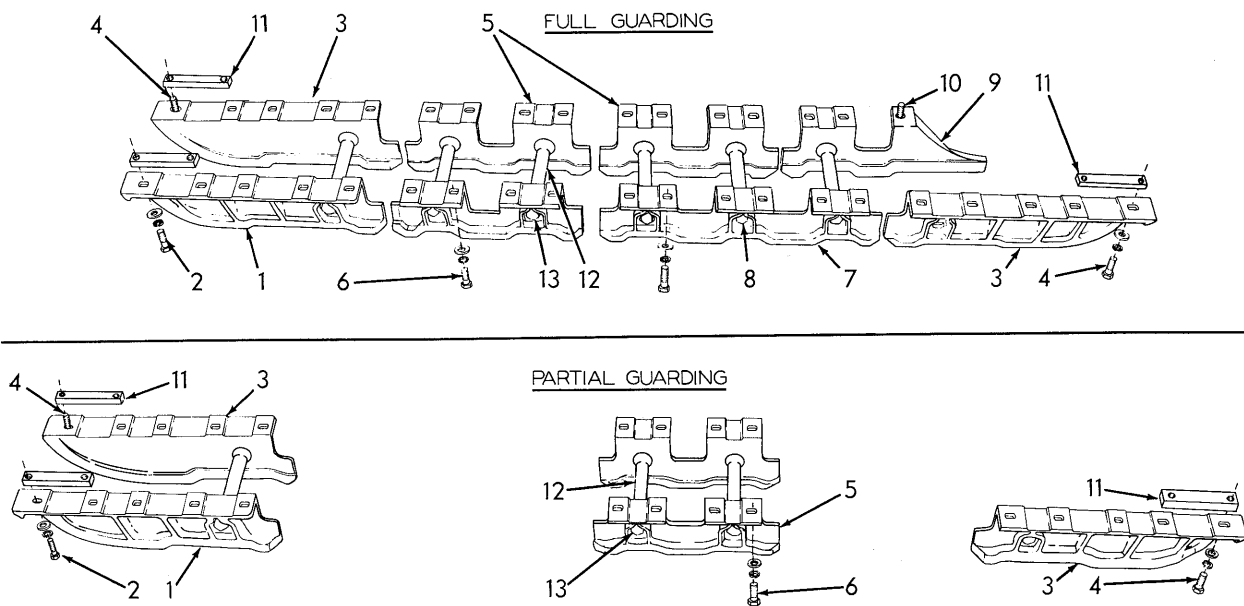
LIGHT-DUTY TRACK ROLLER GUARDS

T-40584

USAGE: Special equipment.

ITEM	PART NO.	QTY.	DESCRIPTION
1	644095	2	GUARD, outer (112-1/2" long)
2	070161	24	CAPSCREW, 5/8"NF x 2-3/4"
	904209	24	LOCKWASHER, 5/8"
3	023618	4	CAPSCREW, 5/8"NF x 2-1/2"
4	064810	28	WASHER, plain
5	072366	4	NUT, high, 5/8"NF
6	644097	1	GUARD, inner, left (97-3/4" long)
	644098	1	GUARD, inner, right (97-3/4" long)
7	070161	24	CAPSCREW, 5/8"NF x 2-3/4"
	904209	24	LOCKWASHER, 5/8"
8	023618	2	CAPSCREW, 5/8"NF x 2-1/2"
9	064810	26	WASHER, plain
10	072366	2	NUT, high, 5/8"NF
11	083150	4	SPACER, guard bracing
12	083165	4	CAPSCREW, guard bracing (Used prior to April 1967)
	905347	4	LOCKWASHER, 7/8"
	922041	4	NUT, high, 7/8"NF
	661102	4	ROD, guard bracing (Effective April 1967)
	905347	8	LOCKWASHER, 7/8"
	911046	8	NUT, 7/8"NF
	638341	8	WASHER, plain

(Revised June 1970)



HEAVY-DUTY TRACK WHEEL GUARDS

T-70409

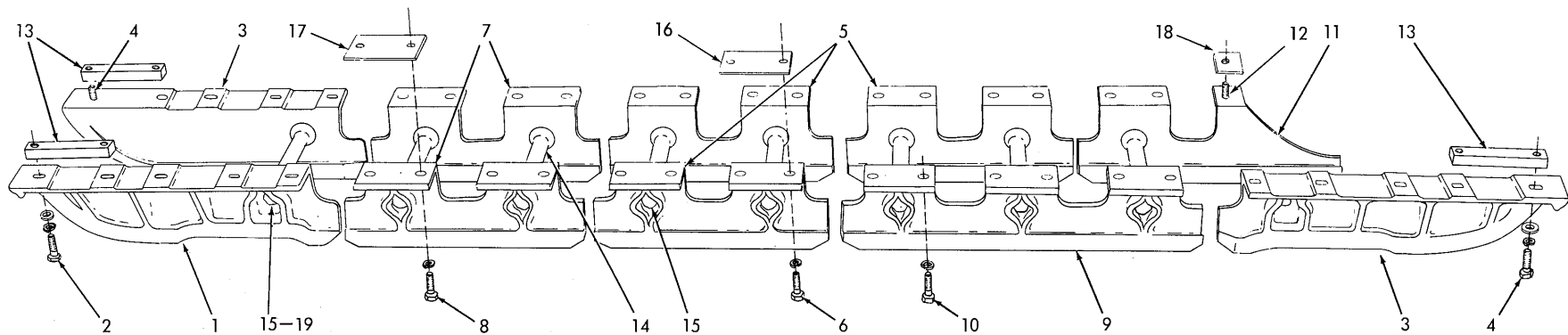
USAGE: Special equipment. For units with standard 40-link tracks.

* Partial guarding

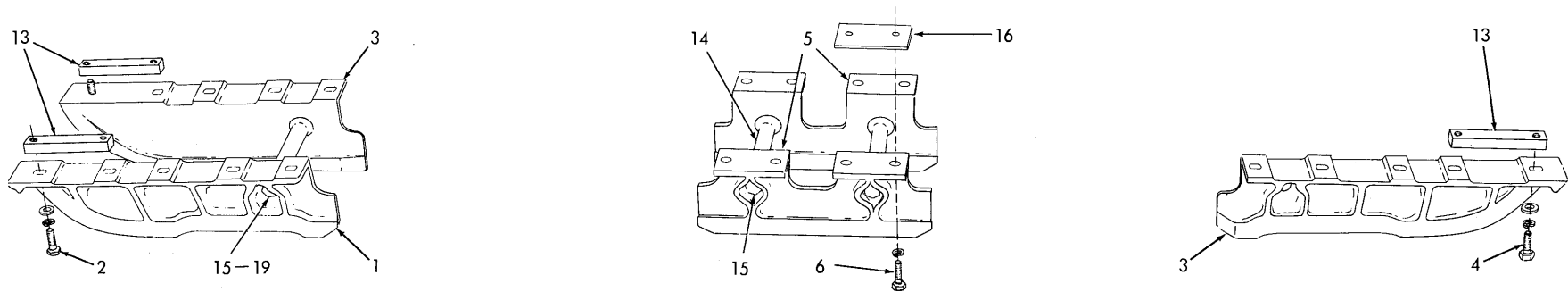
** Full guarding

ITEM	PART NO.	QTY.		DESCRIPTION	
		*	**		
1	649103	3	3	GUARD, end section, left hand	
2	013467	15	15	CAPSCREW, 5/8"NF x 3"	
	904209	15	15	LOCKWASHER, 5/8"	
	064810	15	15	WASHER, plain	
3	649104	3	3	GUARD, end section, right hand	
4	013467	15	15	CAPSCREW, 5/8"NF x 3"	
	904209	15	15	LOCKWASHER, 5/8"	
	064810	15	15	WASHER, plain	
5	645649	4	6	GUARD, intermediate section	
6	013467	16	24	CAPSCREW, 5/8"NF x 3"	
	904209	16	24	LOCKWASHER, 5/8"	
	064810	16	24	WASHER, plain	
7	645650	-	2	GUARD, intermediate rear section, outer	
8	013467	-	12	CAPSCREW, 5/8"NF x 3"	
	904209	-	12	LOCKWASHER, 5/8"	
	064810	-	12	WASHER, plain	
9	{ 645669	-	1	GUARD, rear inner section, left side	
	{ 645670	-	1	GUARD, rear inner section, right side	
10	013467	-	6	CAPSCREW, 5/8"NF x 3"	
	904209	-	6	LOCKWASHER, 5/8"	
	064810	-	6	WASHER, plain	
11	632769	12	12	BLOCK, tapped, end guard attachment	
12	644112	6	12	SPACER, guard bracing	
	644179	6	12	CAPSCREW, guard bracing (7/8"NF x 12-1/8")	Used prior to April 1967
	905347	6	12	LOCKWASHER, 7/8"	
	911046	6	12	NUT, 7/8"NF	
	638341	12	24	WASHER, plain	
13	{ 661102	6	12	ROD, guard bracing (7/8" x 13-1/2")	Effective April 1967
	{ 905347	12	24	LOCKWASHER, 7/8"	
	{ 911046	12	24	NUT, 7/8"NF	
	{ 638341	12	24	WASHER, plain	

FULL GUARDING



PARTIAL GUARDING



HEAVY-DUTY TRACK WHEEL GUARDS

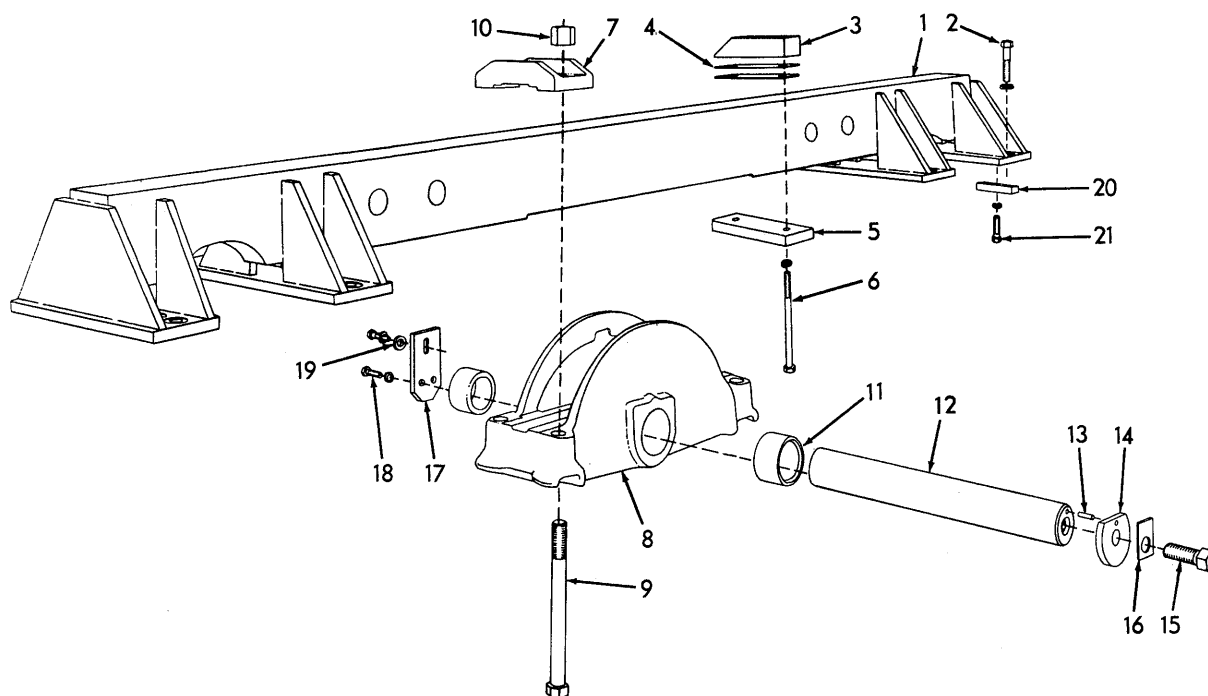
USAGE: Special equipment. For units with special 44-link tracks.

* Partial guarding
** Full guarding

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	649103	3	3	GUARD, end section, left hand
2	013467	15	15	CAPSCREW, 5/8"NF x 3"
	904209	15	15	LOCKWASHER, 5/8"
	064810	15	15	WASHER, plain
3	649104	3	3	GUARD, end section, right hand
4	013467	15	15	CAPSCREW, 5/8"NF x 3"
	904209	15	15	LOCKWASHER, 5/8"
	064810	15	15	WASHER, plain
5	648438	4	6	GUARD, intermediate section
6	070161	16	24	CAPSCREW, 5/8"NF x 2-3/4"
	904209	16	24	LOCKWASHER, 5/8"
7	648441	-	4	GUARD, intermediate front section
8	070161	-	16	CAPSCREW, 5/8"NF x 2-3/4"
	904209	-	16	LOCKWASHER, 5/8"
9	648436	-	2	GUARD, intermediate rear section, outer
10	070161	-	12	CAPSCREW, 5/8"NF x 2-3/4"
	904209	-	12	LOCKWASHER, 5/8"
11	648439	-	1	GUARD, rear inner section, left side
	648440	-	1	GUARD, rear inner section, right side
12	070161	-	6	CAPSCREW, 5/8"NF x 2-3/4"
	904209	-	6	LOCKWASHER, 5/8"
13	632769	12	12	BLOCK, tapped, end guard attachment
14	644112	6	16	SPACER, guard bracing
15	644179	6	16	CAPSCREW, guard bracing (7/8"NF x 12-1/8")
	905347	6	16	LOCKWASHER, 7/8"
	922041	6	16	NUT, high, 7/8"NF
	661102	6	16	ROD, guard bracing
	905347	12	32	LOCKWASHER, 7/8"
	911046	12	32	NUT, 7/8"NF
16	650220	8	20	PLATE, guard spacing, intermediate
17	650221	-	8	PLATE, guard spacing, front
18	650222	-	2	PLATE, guard spacing, rear
19	638341	4	4	WASHER, guard bracing capscREW

} Used prior
to April 1967

} Effective April 1967



RIGID BEAM

T-5157

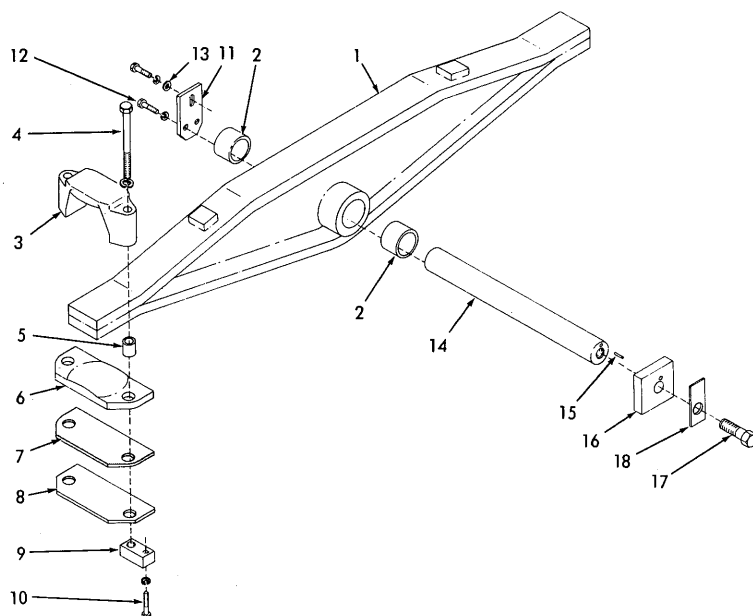
USAGE: Special equipment. Ties both track frames together rigidly, replacing standard equalizing beam

ITEM	PART NO.	QTY.	DESCRIPTION
1	073806	1	BEAM, rigid
2	012526	16	CAPSCREW, 3/4"NF x 3-1/4"
	904369	16	LOCKWASHER, 3/4"
3	087353	2	BLOCK, spacing
4	087355	6	SHIM, spacing (1/32" thick. Use as req'd)
	087356	6	SHIM, spacing (1/16" thick. Use as req'd)
5	093152	2	BLOCK, clamping
6	087357	4	CAPSCREW, 1/2"NF x 7"
	904208	4	LOCKWASHER, 1/2"
7	056421	2	SADDLE, beam capscrew
8	659757	1	SADDLE ASSEMBLY (Includes item 11)
9	070861	4	CAPSCREW, beam saddle (1"NF x 10-1/2")
10	600236	4	NUT, high, 1"NF
11	056413	2	BUSHING, saddle
12	056420	1	PIN, saddle

(Continued)

RIGID. BEAM (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
13	056418	1	PIN, dowel, cover plate
14	056417	1	PLATE, pivot pin cover
15	049662	1	CAPSCREW, 7/8"NF x 2"
16	037693	1	LOCK, capscrew
17	056441	1	PLATE, pivot pin retaining
18	035018	3	CAPSCREW, 1/2"NF x 1-1/2"
19	064531	1	WASHER, plain
	904208	3	LOCKWASHER, 1/2"
20	631666	8	BLOCK, tapped
21	035073	8	CAPSCREW, 1/2"NF x 1-3/4"
	904208	8	LOCKWASHER, 1/2"

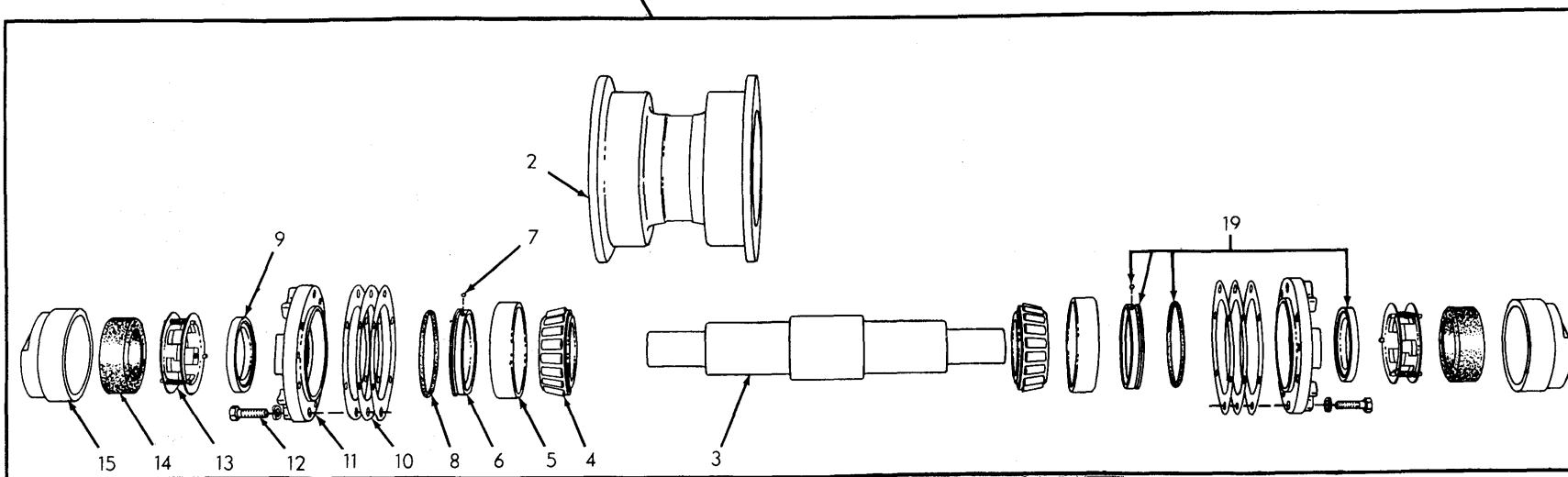


EQUALIZING BEAM

T-72332

ITEM	PART NO.	QTY.	DESCRIPTION
1	643367	1	BEAM ASSEMBLY (Includes item 2)
2	056413	2	BUSHING, beam pivot
3	650513	2	BRACKET shock pad
4	650546	4	CAPSCREW 3/4"NF x 7-3/4"
	904369	4	LOCKWASHER 3/4"
5	650547	4	BUSHING, bracket spacing
6	650536	2	PAD, beam seating
7	650538	2	PAD, shock (rubber)
8	650537	2	PLATE, shock pad (steel)
9	630752	4	BLOCK, tapped
10	035068	4	CAPSCREW, 1/2"NF x 2-1/4"
	904208	4	LOCKWASHER, 1/2"
11	056441	1	PLATE, pivot pin retaining
12	035018	3	CAPSCREW, 1/2"NF x 1-1/2"
	904208	3	LOCKWASHER, 1/2"
13	064531	1	WASHER, plain
14	643948	1	PIN, beam pivot (Tractors prior to #14001)
	667209	1	PIN, beam pivot (Tractors #14001 and up)
15	056418	1	PIN, dowel, cover plate
16	643942	1	COVER, pivot pin
17	049662	1	CAPSCREW, 7/8"NF x 2"
18	643950	1	LOCK, capscrew

Tractors prior
to #14001

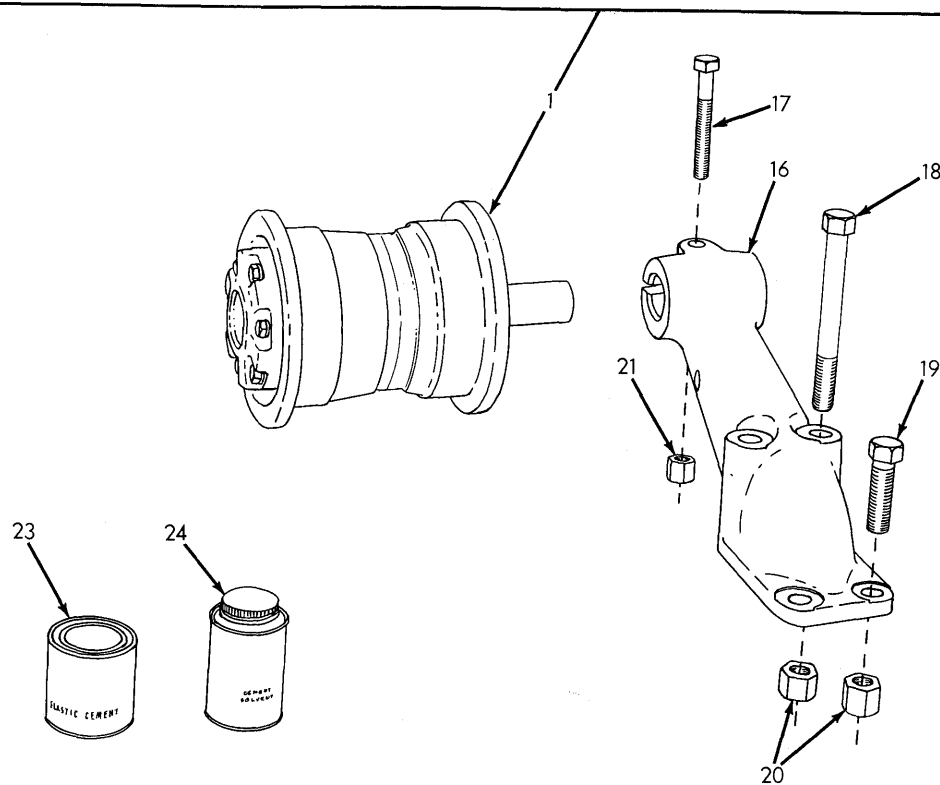
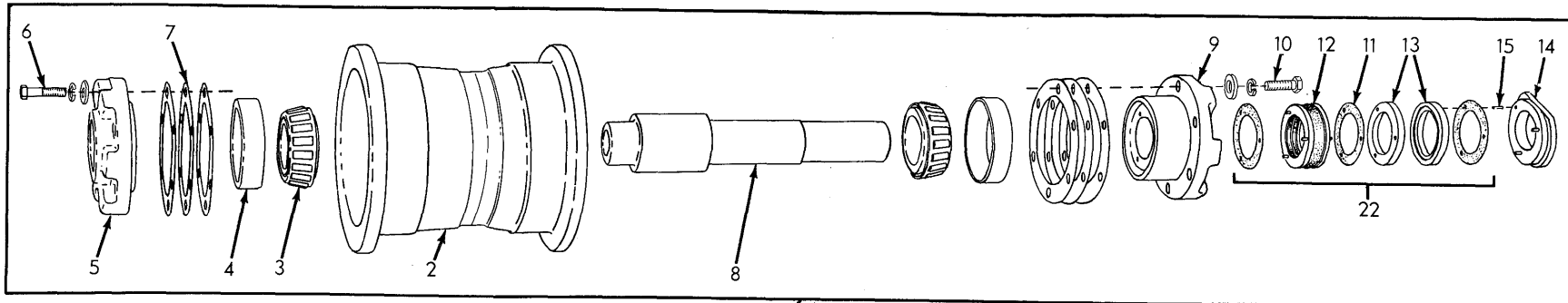


TRACK WHEEL

ITEM	PART NO.	QTY.	DESCRIPTION	
1	645648	1	WHEEL ASSEMBLY (Consists of items 2 thru 15)	
2	645612	1	WHEEL	
3	622663	1	SHAFT	
4	073112	2	CONE ASSEMBLY, bearing	
5	659153	2	CUP, bearing	
6	066693	2	RING, seal, inner (See item 19)	
7	905357	2	BALL, steel, 3/16" diam.	
8	923585	2	O-RING, seal ring	
9	049110	2	RING, seal, outer (See item 19)	
10	656624	4	SHIM, bearing adjustment (.003" thick)	Use as required
	074567	4	SHIM, bearing adjustment (.007" thick)	
	074568	4	SHIM, bearing adjustment (.010" thick)	
	074569	2	SHIM, bearing adjustment (.032" thick)	
11	074565	2	RETAINER, bearing	
12	012992	12	CAPSCREW, 3/8"NF x 1-1/4"	
	904206	12	LOCKWASHER, 3/8"	
13	049111	2	SPRING ASSEMBLY, seal (Serviced only as a unit)	
14	049109	2	BOOT, seal spring	
15	074566	2	RETAINER, seal	
16	093805	2	BRACKET, attaching (Tractors prior to #14189)	
	667811	2	BRACKET, attaching (half only) (Tractors #14189 and up)	
17	045524	4	CAPSCREW, 5/8"NF x 4-1/2"	
	904209	4	LOCKWASHER, 5/8"	
18	631617	2	BLOCK, tapped, attaching capscrews	
19	083208	1	SEAL KIT (Includes items 6 thru 9)	
20	054890	-	SOLVENT, neoprene cement, 1/2 pint can	For cementing seal boots
21	033288	-	CEMENT, neoprene, 1/2 pint can	

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

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

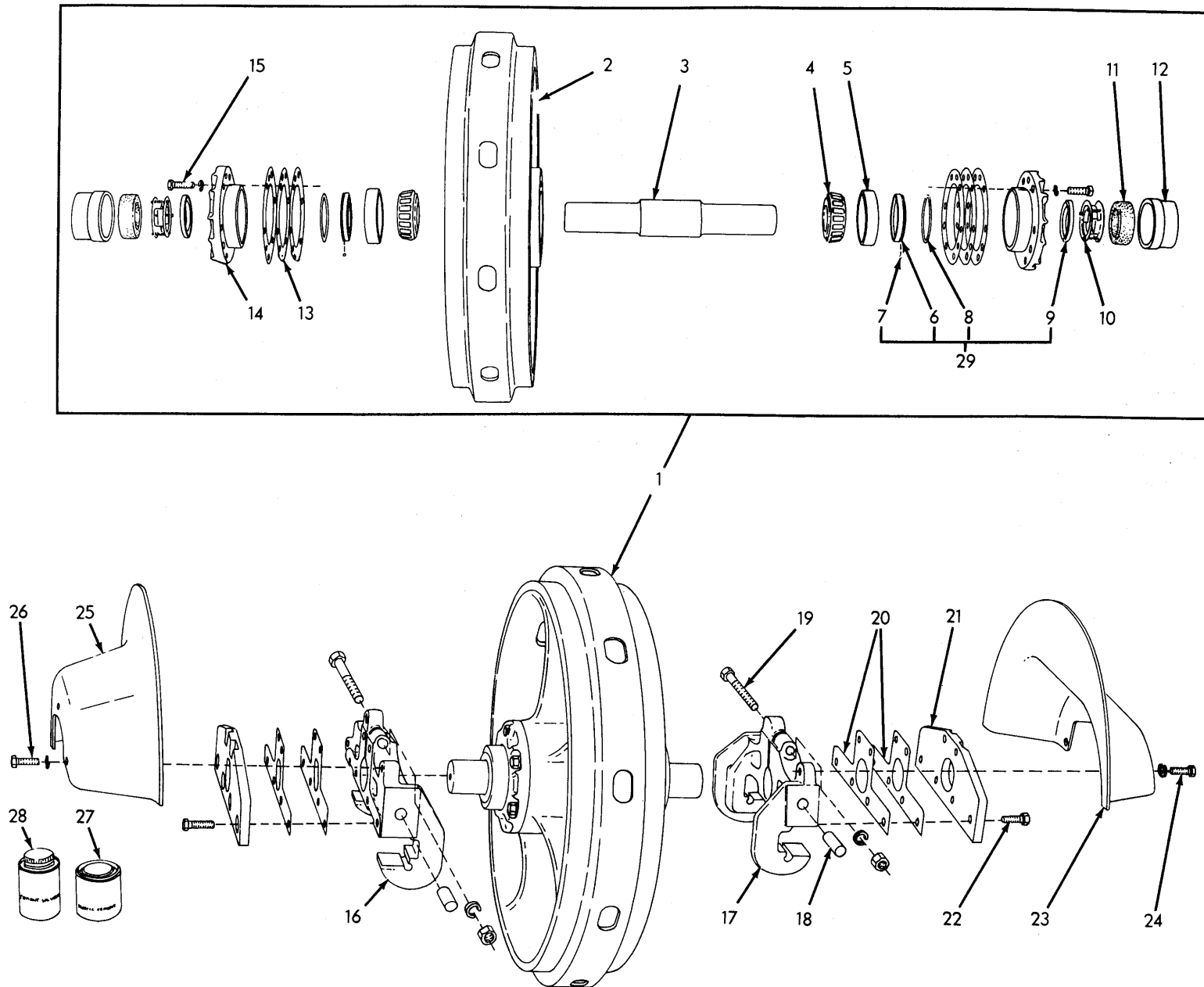


TRACK SUPPORTING ROLLER

T-4357

TRACK SUPPORTING ROLLER

ITEM	PART NO.	QTY.	DESCRIPTION	
1	643966	4	ROLLER ASSEMBLY (Consists of items 2 thru 15)	
2	643959	4	ROLLER	
3	042888	8	CONE ASSEMBLY, bearing	
4	042887	8	CUP, bearing	
5	622612	4	RETAINER, outer bearing	
6	012992	24	CAPSCREW, 3/8"NF x 1-1/4"	
	904206	24	LOCKWASHER, 3/8"	
	911115	24	WASHER, plain, SAE std., 3/8"	
7	655474	16	SHIM, bearing adjustment (.003" thick)	Use as required
	051484	8	SHIM, bearing adjustment (.007" thick)	
	051483	20	SHIM, bearing adjustment (.010" thick)	
	051482	12	SHIM, bearing adjustment (.032" thick)	
8	056312	4	SHAFT	
9	051478	4	RETAINER, inner bearing	
10	012992	24	CAPSCREW, 3/8"NF x 1-1/4"	
	904206	24	LOCKWASHER, 3/8"	
	911115	24	WASHER, plain, SAE std., 3/8"	
11	047605	12	GASKET, seal ring	
12	047581	4	SPRING ASSEMBLY, seal (Serviced only as a unit)	
13	047151	8	RING, seal	
14	051429	4	GUARD ASSEMBLY, seal (Includes item 15)	
15	049877	12	PIN, seal guard	
16	056881	4	BRACKET	
17	070299	4	CAPSCREW, 5/8"NF x 4"	
18	067559	8	CAPSCREW, 3/4"NF x 6-1/4"	
19	013465	8	CAPSCREW, 3/4"NF x 2-1/2"	
20	012767	16	NUT, high, 3/4"NF	
21	072366	4	NUT, high, 5/8"NF	
22	083536	2	SEAL KIT (Includes parts for two (2) Roller Assemblies; items 11 thru 13)	
23	033288	-	CEMENT, neoprene, 1/2 pint can	For cementing boots and gaskets
24	054890	-	SOLVENT, neoprene cement, 1/2 pint can	



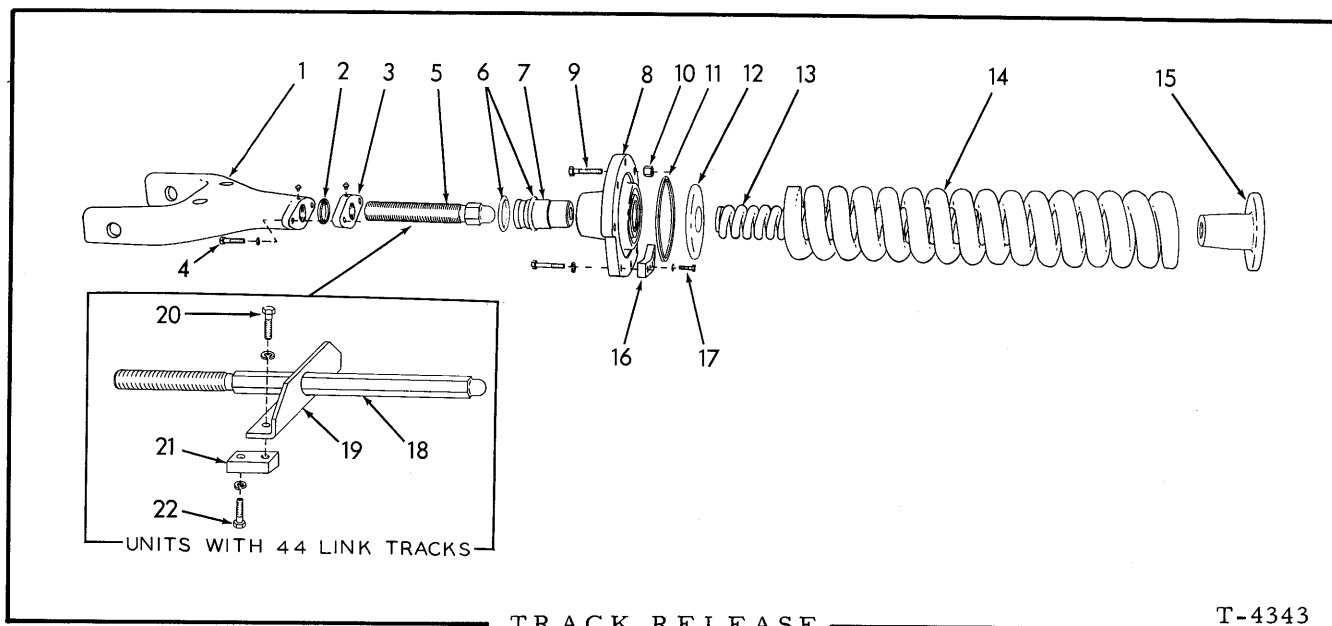
TRACK IDLER

TRACK IDLER

ITEM	PART NO.	QTY.	DESCRIPTION
1	644068	2	IDLER ASSEMBLY (Consists of items 2 thru 15)
2	644067	2	IDLER
3	622847	2	SHAFT
4	073112	4	CONE ASSEMBLY, bearing
5	073111	4	CUP, bearing
6	066693	4	RING, idler seal, inner (See item 29)
7	905357	4	BALL, steel, 3/16" diam.
8	923585	4	O-RING, seal ring
9	049110	4	RING, idler seal, outer (See item 29)
10	049111	4	SPRING ASSEMBLY, seal (Serviced only as a unit)
11	049109	4	BOOT, seal spring
12	622855	4	RETAINER, seal
13	655524	8	SHIM, bearing adjustment (.003" thick)
	073160	4	SHIM, bearing adjustment (.007" thick)
	073161	6	SHIM, bearing adjustment (.010" thick)
	073162	4	SHIM, bearing adjustment (.032" thick)
14	622850	4	RETAINER, bearing
15	035018	24	CAPSCREW, 1/2"NF x 1-1/2"
	904208	24	LOCKWASHER, 1/2"
16	637763	2	BRACKET ASSEMBLY, left (Includes item 18)(Tractors prior to #13131)
	658741	2	BRACKET ASSEMBLY, left (Includes item 18)(Tractors #13131 and up)
17	637764	2	BRACKET ASSEMBLY, right (Includes item 18)(Tractors prior to #13131)
	658742	2	BRACKET ASSEMBLY, right (Includes item 18)(Tractors #13131 and up)
18	056585	4	PIN, dowel, idler bracket to release yoke
19	638796	4	CAPSCREW, bracket clamping (5/8"NF x 5")
	904209	4	LOCKWASHER, 5/8"
	911044	4	NUT, 5/8"NF
20	078981	16	SHIM, guide adjusting (Use as required)
21	643840	4	PLATE, guide
22	070590	24	CAPSCREW, 5/8"NF x 1-1/8"
<u>NOTE:</u> Guards listed below are special equipment			
23	081408	2	GUARD, right
24	035525	6	CAPSCREW, 1/2"NF x 1-1/8"
	904208	6	LOCKWASHER, 1/2"
25	081407	2	GUARD, left
26	035525	6	CAPSCREW, 1/2"NF x 1-1/8"
	904208	6	LOCKWASHER, 1/2"
27	033288	-	CEMENT, neoprene, 1/2 pint can
28	054890	-	SOLVENT, neoprene cement, 1/2 pint can
29	083208	2	SEAL KIT (Includes parts for one (1) idler only; items 6 thru 9)

Use as required

For cementing boots



USAGE: Tractors prior to serial No. 12390

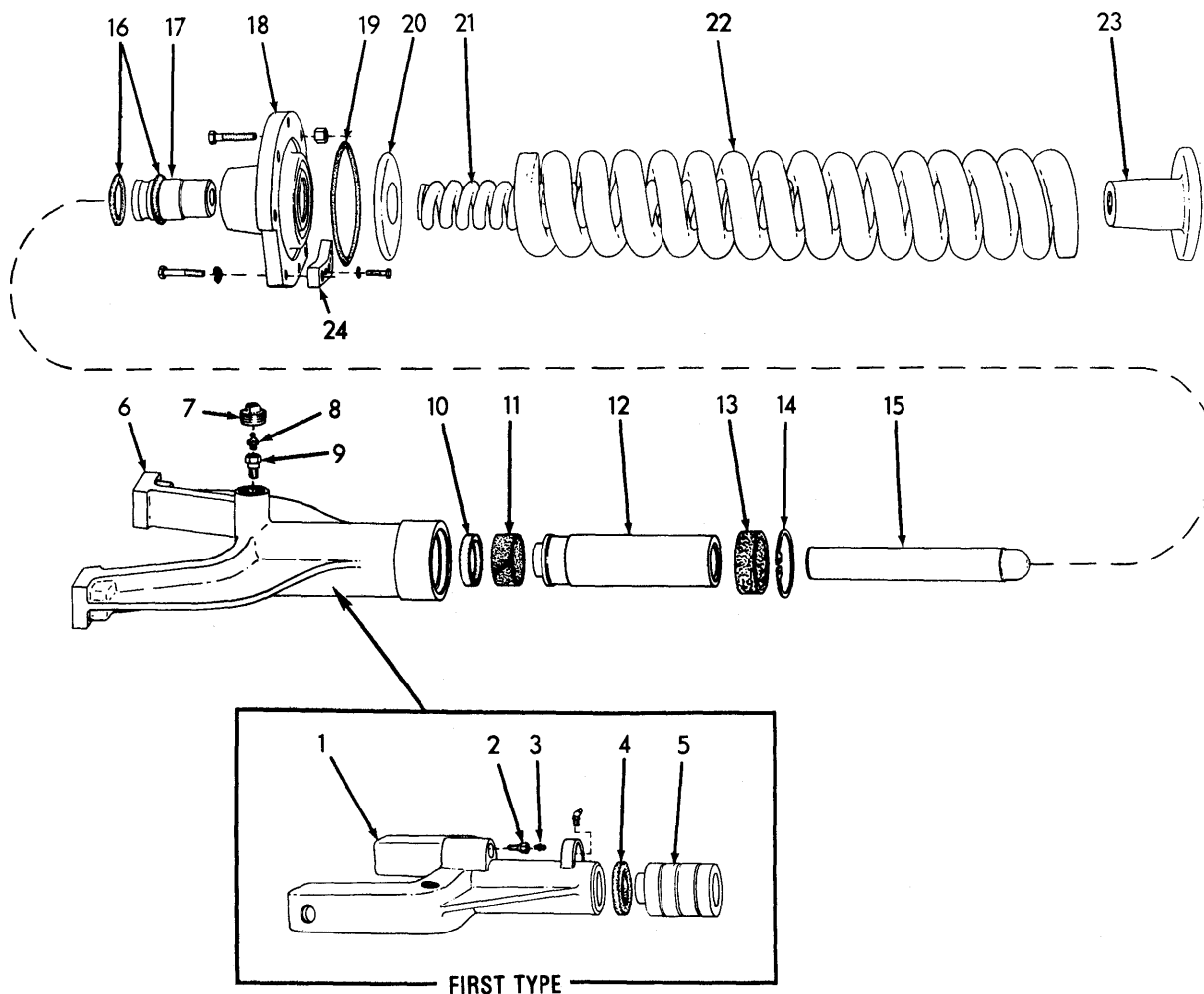
ITEM	PART NO.	QTY.	DESCRIPTION
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NOTE: See page 181 for optional hydraulic track adjuster

1	637800	2	YOKE
	914465	2	FITTING, lubricating, straight, 1/8"NPT
2	066068	2	SEAL, protecting, adjustment screw threads (rubber)
3	056614	2	LOCK, adjustment screw
	914465	2	FITTING, lubricating, straight, 1/8"NPT
4	035067	4	CAPSCREW, 1/2"NF x 2"
	904208	4	LOCKWASHER, 1/2"
5	645432	2	SCREW, adjustment (18" long)(See NOTE below)
6	923827	4	O-RING, crosshead
7	621300	2	CROSSHEAD
8	056652	2	COVER, release spring chamber
9	070161	16	CAPSCREW, 5/8"NF x 2-3/4"
	904209	6	LOCKWASHER, 5/8"
10	072366	10	NUT, high, 5/8"NF
11	056645	2	SEAL, release spring chamber cover
12	098121	2	WASHER, release spring
13	098123	2	SPRING, inner
14	098122	2	SPRING, outer
15	098124	2	SEAT, release spring
16	645545	2	BLOCK, tapped
17	035190	4	CAPSCREW, 1/2"NC x 1-1/2"
	904208	4	LOCKWASHER, 1/2"

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

18	095281	2	SCREW, adjustment (34-1/2" long)
19	095280	2	BRACKET, supporting, adjustment screw
20	023618	4	CAPSCREW, 5/8"NF x 2-1/2"
	904209	4	LOCKWASHER, 5/8"
21	631665	4	BLOCK, tapped
22	035067	4	CAPSCREW, 1/2"NF x 2"
	904208	4	LOCKWASHER, 1/2"



TRACK RELEASE

T-72952

USAGE: Model HD11E tractors serial No. 12390 and up

* Tractors serial No. 12390 thru No. 13435

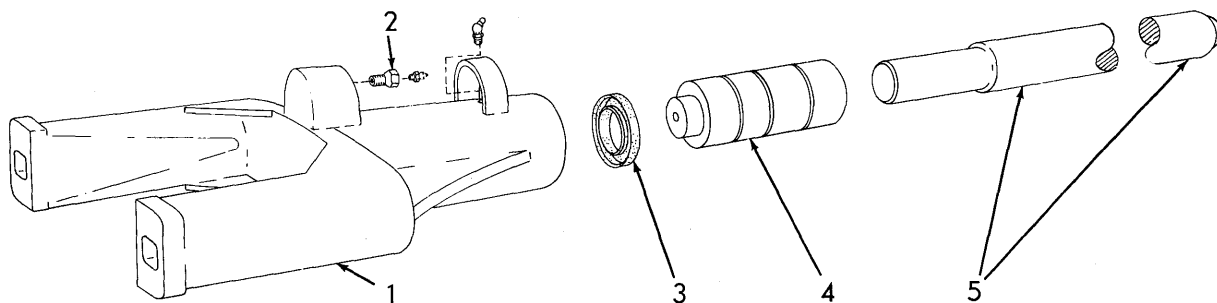
** Tractors serial No. 13436 and up

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	661601	2	-	YOKE ASSEMBLY (Includes items 2 thru 5 and FITTING indented below)
	915275	2	-	FITTING, lubricating, 65°, 1/8"NPT
2	628915	2	-	VALVE ASSEMBLY, relief (Serviced only as a unit)
3	666407	2	-	FITTING, pressurizing
4	628934	2	-	SEAL, piston
5	663939	2	-	PISTON, adjusting

(Continued)

TRACK RELEASE (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION	
		*	**		
6	665044	-	2	YOKE ASSEMBLY (Includes items 7 thru 14)	
7	666367	-	2	PLUG, yoke	
8	666407	-	2	FITTING, pressurizing	
9	628915	-	2	VALVE ASSEMBLY, relief (Serviced only as a unit)	
10	628934	-	2	SEAL piston	
11	666620	-	2	RING, wear, adjusting piston	
12	665043	-	2	PISTON, adjusting	
13	666621	-	2	RING, wear, release yoke	
14	659058	-	2	RING, snap	
15	644017	2	-	BAR, push (15-5/8" long)	Units with standard 40-link track
	666652	-	2	BAR, push (11-3/4" long)	
	624565	2	-	BAR, push (32" long)	Units with special 44-link tracks
	666622	-	2	BAR, push (28-3/8" long)	
16	923827	4	4	O-RING, crosshead	
17	621300	2	2	CROSSHEAD	
18	056652	2	2	COVER, release spring chamber	
	070161	16	16	CAPSCREW, 5/8"NF x 2-3/4"	
	904209	6	6	LOCKWASHER, 5/8"	
	072366	10	10	NUT, high, 5/8"NF	
19	056645	2	2	SEAL, release spring chamber cover	
20	098121	2	2	WASHER, release spring	
21	098123	2	2	SPRING, inner	
22	098122	2	2	SPRING, outer	
23	098124	2	2	SEAT, release spring	
24	645545	2	2	BLOCK, tapped	
	035190	4	4	CAPSCREW, 1/2"NC x 1-1/2"	
	904208	4	4	LOCKWASHER, 1/2"	

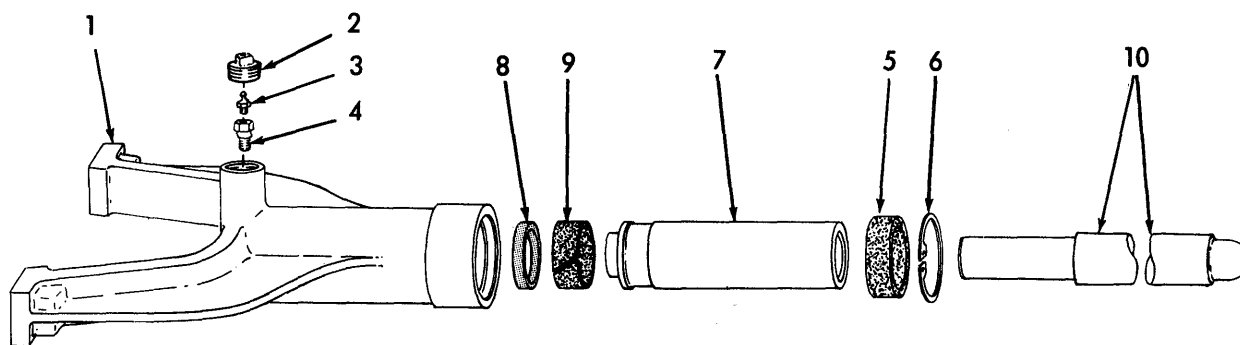


HYDRAULIC TRACK ADJUSTER

T-32108

USAGE: Special equipment

ITEM	PART NO.	QTY.	DESCRIPTION
1	624206	2	YOKE ASSEMBLY (Includes items 2 thru 4 and FITTINGS indented below)
	915275	2	FITTING, lubricating, 65°, 1/8"NPT
2	628915	2	VALVE ASSEMBLY, relief (Serviced only as a unit)
	912808	2	FITTING, straight, 1/4"-28NF (pressurizing)
3	628934	2	SEAL, piston
4	628933	2	PISTON, adjusting
5	644017	2	BAR, push (15-5/8" long)(Units with standard 40-link tracks)
	624565	2	BAR, push (32-1/2" long)(Units with special 44-link tracks)

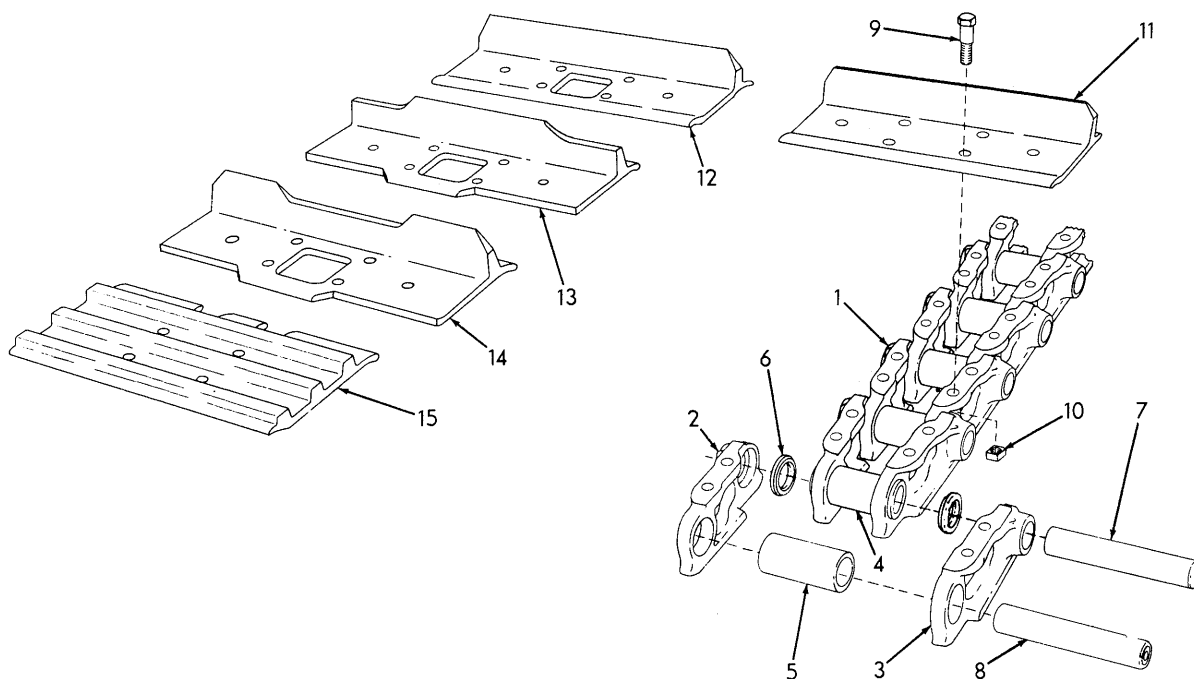


HYDRAULIC TRACK ADJUSTER (Second type)

T-74998

USAGE: Special equipment on HD11AG tractors after August 1968

ITEM	PART NO.	QTY.	DESCRIPTION
1	665044	2	YOKE ASSEMBLY (Includes items 2 thru 9)
2	666367	2	PLUG, yoke
3	666407	2	FITTING, pressurizing
4	628915	2	VALVE ASSEMBLY, check (Serviced only as a unit)
5	666621	2	RING, wear, release yoke
6	659058	2	RING, snap
7	665043	2	PISTON, adjusting
8	628934	2	SEAL, piston
9	666620	2	RING, wear, adjusting piston
10	666652	2	BAR, push (12-1/8" long)



TRACK

T-70411

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

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	0643881-6	2	-	CHAIN ASSY. (40 links)(Consists of items 2 thru 8)
	0645698-2	-	2	CHAIN ASSY. (44 links)(Consists of items 2 thru 8)
2	0643841-0	78	86	LINK, left (Tractors prior to #14213)
	0668327-0	78	86	LINK, left (Tractors #14213 and up)
	0645441-7	2	2	LINK, master, left
3	0643842-8	78	86	LINK, right (Tractors prior to #14213)
	0668328-8	78	86	LINK, right (Tractors #14213 and up)
	0645442-5	2	2	LINK, master, right
4	0643967-3	78	86	BUSHING (5-5/16" long)(Tractors prior to #14213)
	0668324-7	78	86	BUSHING (5" long)(Tractors #14213 and up)
5	0643973-1	2	2	BUSHING, master (5" long)
6	0645148-8	160	176	SEAL
7	0643924-4	78	86	PIN
8	0644051-5	2	2	PIN, master
9	097282-8	320	352	BOLT, track shoe

(Continued)

(Revised June 1970)

TRACK (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
10	0084342-5	320	352	NUT, hex, shoe bolt (Tractors prior to #14213)
	0666583-0	320	352	NUT, square, shoe bolt (Tractors #14213 and up)

TRACK SHOES

COMPLETE TRACK ASSEMBLIES WITH SHOES (2 Required)

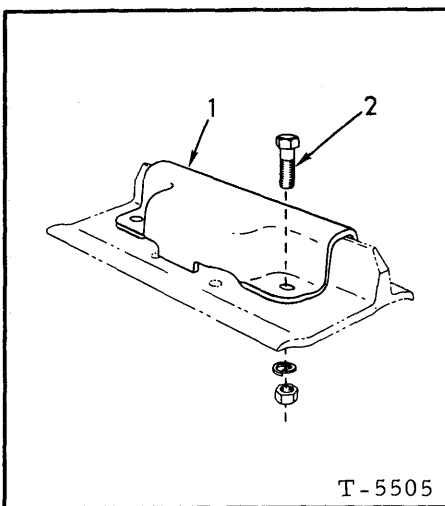
					*	**
					(40 links)	(44 links)
11	0643963-2	80	88	SHOE, grouser, 16"	0659557-3	
	0644061-4	80	88	SHOE, grouser, 18"	0659655-5	
	0659460-0	80	88	SHOE, grouser, 20"	0659661-3	0666398-3
	0659476-6	80	88	SHOE, grouser, 22"	0659642-3	0668363-5
	0644156-2	80	88	SHOE, grouser, 24"	0659772-8	0668397-3
	0644148-9	80	88	SHOE, grouser, 30"	0659664-7	0668367-6
12	0644086-1	80	88	SHOE, grouser, open center, 18"	0659667-0	
	0644083-8	80	88	SHOE, grouser, open center, 20"	0659658-9	
13	0644047-3	40	44	SHOE, grouser, snow and ice, single calk, open center, 18"	0644163-8	
14	0644085-3	40	44	SHOE, grouser, snow and ice, double calk, open center 18"		
15	0644062-2	80	88	SHOE, semi-grouser, 16"	0644186-9	0645699-0
	0644144-8	80	88	SHOE, semi-grouser, 20"	0644215-6	0668371-8

STREET PLATES

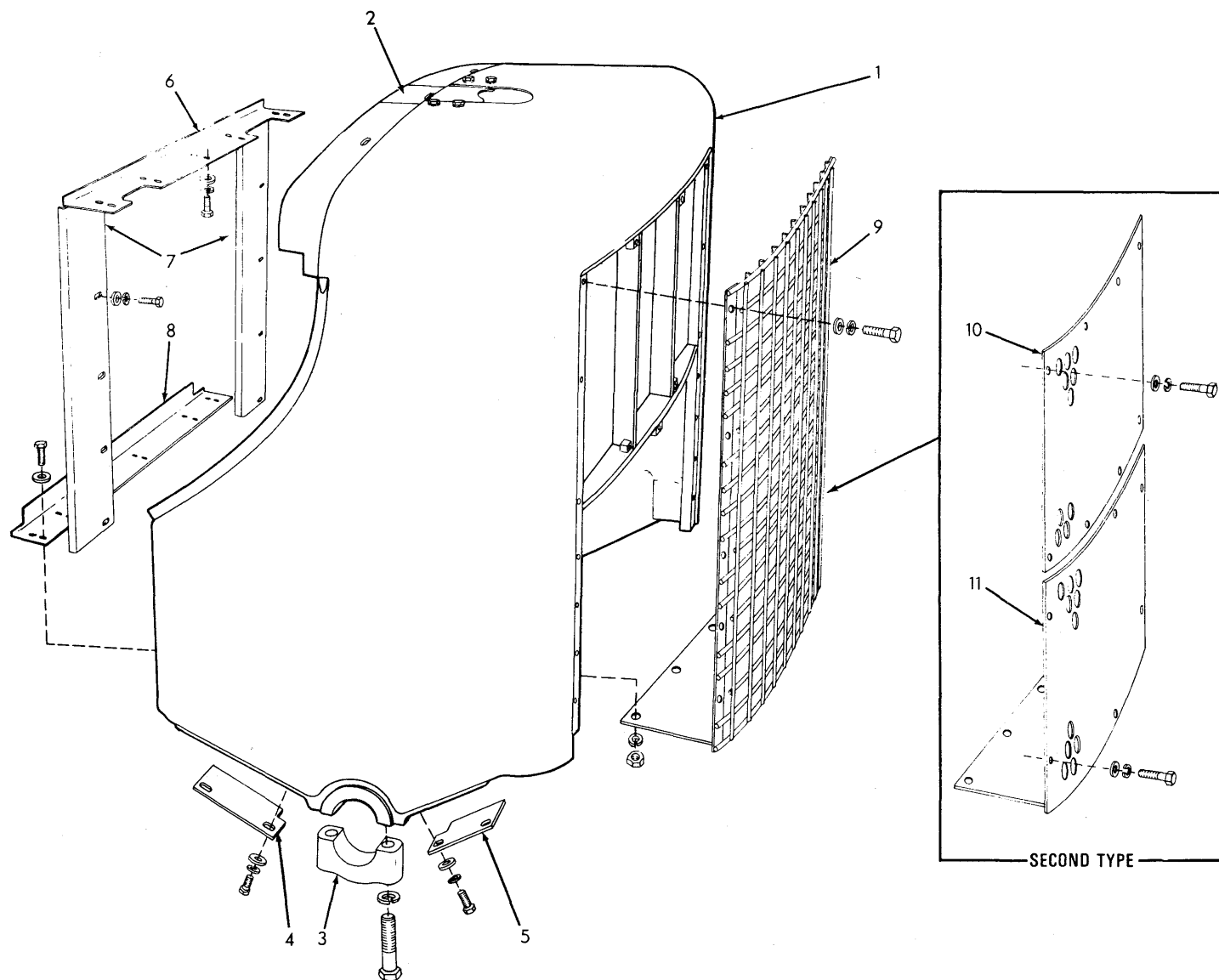
USAGE: Special equipment. For grouser shoes only.

ITEM	PART NO.	QTY.	DESCRIPTION
1	0073558-9	1	PLATE, street
2	0035014-0	2	CAPSCREW, 5/8"NF x 1-1/2"
	0904209-4	2	LOCKWASHER, 5/8"
	0911044-6	2	NUT, 5/8"NF

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



(Revised June 1970)



RADIATOR GUARD (Plain)

T-70427

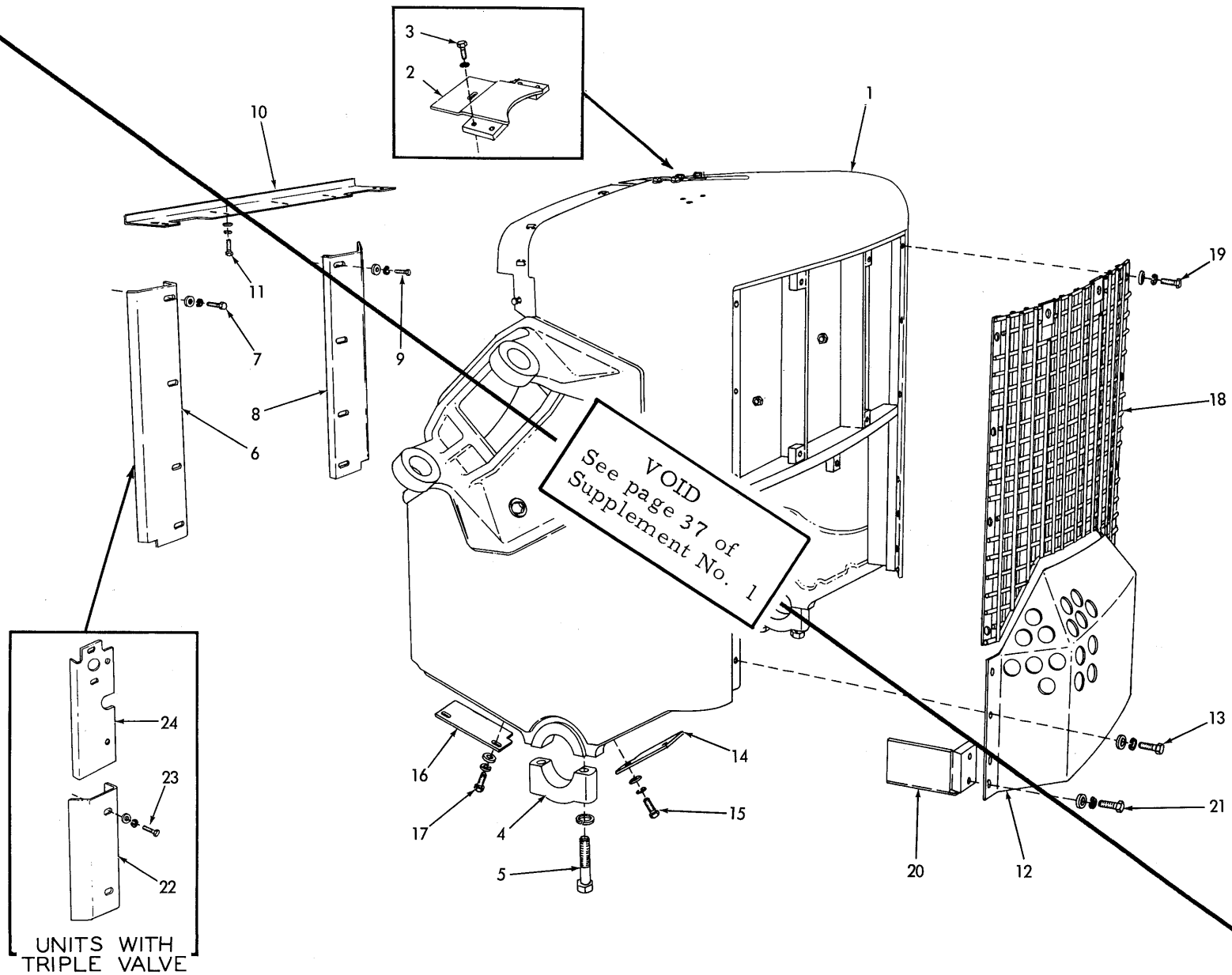
RADIATOR GUARD
(Plain type)

USAGE: Standard equipment on Model HD11E

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

ITEM	PART NO.	QTY. * **		DESCRIPTION
1	645498	1	-	GUARD ASSY., } Each includes items 2 and 3
	660597	-	1	
2	651623	1	1	PLATE, top closure
	070467	4	4	CAPSCREW, 1/2"NF x 4"
	904208	4	4	LOCKWASHER, 1/2"
3	085555	2	2	CAP, guard pivot
	075878	4	4	CAPSCREW, 7/8"NF x 4"
	905347	4	4	LOCKWASHER, 7/8"
4	085304	2	2	PLATE, bottom closure, rear
	035018	4	4	CAPSCREW, 1/2"NF x 1-1/2"
	904208	4	4	LOCKWASHER, 1/2"
	064531	4	4	WASHER, plain
5	085305	2	2	PLATE, bottom closure, front
	035018	4	4	CAPSCREW, 1/2"NF x 1-1/2"
	904208	4	4	LOCKWASHER, 1/2"
	064531	4	4	WASHER, plain
6	641490	1	1	BAFFLE, air, upper
	036034	5	5	CAPSCREW, 3/8"NF x 1"
	904206	5	5	LOCKWASHER, 3/8"
	044973	5	5	WASHER, plain
7	085413	2	2	BAFFLE, air, side (Tractors prior to #14010)
	645510	-	2	BAFFLE, air, side (Tractors #14010 and up)
	036034	10	10	CAPSCREW, 3/8"NF x 1"
	904206	10	10	LOCKWASHER, 3/8"
	044973	10	10	WASHER, plain
8	641491	1	1	BAFFLE, air, lower
	012992	5	5	CAPSCREW, 3/8"NF x 1-1/4"
	044973	5	5	WASHER, plain
	904206	5	5	LOCKWASHER, 3/8"
	911041	5	5	NUT, 3/8"NF
9	642631	1	-	GRILLE, front closure
	035190	12	-	CAPSCREW, 1/2"NC x 1-1/2"
	904208	12	-	LOCKWASHER, 1/2"
	064531	12	-	WASHER, plain
10	660629	-	1	PLATE, front closure, upper section
	035190	-	8	CAPSCREW, 1/2"NC x 1-1/2"
	904208	-	8	LOCKWASHER, 1/2"
	064531	-	8	WASHER, plain
11	660631	-	1	PLATE, front closure, lower section
	035190	-	5	CAPSCREW, 1/2"NC x 1-1/2"
	904208	-	5	LOCKWASHER, 1/2"
	064531	-	5	WASHER, plain

NOTE: See PAINTING AND MARKING for transfers



RADIATOR GUARD (Hydraulic)

T-70417

RADIATOR GUARD (Hydraulic)

USAGE: Special equipment. For units with hydraulic dozer.

ITEM	PART NO.	QTY.	DESCRIPTION
1	645499	1	GUARD ASSEMBLY, radiator (Includes items 2 thru 5)
2	651623	1	PLATE, top closure
3	070467	4	CAPSCREW, 1/2"NF x 1"
	904208	4	LOCKWASHER, 1/2"
4	085555	2	CAP, guard pivot
5	075878	4	CAPSCREW, 7/8"NF x 4"
	905347	4	LOCKWASHER, 7/8"
6	645598	1	BAFFLE, air, right side
7	036034	4	CAPSCREW, 3/8"NF x 1"
	904206	4	LOCKWASHER, 3/8"
	044973	4	WASHER, plain
8	645597	1	BAFFLE, air, left side
9	036034	4	CAPSCREW, 3/8"NF x 1"
	904206	4	LOCKWASHER, 3/8"
	044973	4	WASHER, plain
10	641490	1	BAFFLE, air, upper
11	036034	5	CAPSCREW, 3/8"NF x 1"
	904206	5	LOCKWASHER, 3/8"
	044973	5	WASHER, plain
12	644715	1	PLATE, front closure
13	035190	4	CAPSCREW, 1/2"NC x 1-1/2"
	904208	4	LOCKWASHER, 1/2"
	064531	4	WASHER, plain
14	085305	2	PLATE, bottom closure, front
15	035018	4	CAPSCREW, 1/2"NF x 1-1/2"
	904208	4	LOCKWASHER, 1/2"
	064531	4	WASHER, plain
16	085304	2	PLATE, bottom closure, rear
17	035018	4	CAPSCREW, 1/2"NF x 1-1/2"
	904208	4	LOCKWASHER, 1/2"
	064531	4	WASHER, plain
18	644728	1	GRILLE, front closure, upper
19	035190	10	CAPSCREW, 1/2"NC x 1-1/2"
	904208	10	LOCKWASHER, 1/2"
	064531	10	WASHER, plain
20	622767	1	COVER, side closure, left
	622768	1	COVER, side closure, right
21	035190	4	CAPSCREW, 1/2"NC x 1-1/2"
	904208	4	LOCKWASHER, 1/2"
	064531	4	WASHER, plain

(Continued)

RADIATOR GUARD (Hydraulic)(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
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NOTE: Items listed below are used only on units equipped with triple-control hydraulic valve.

22	645898	2	BAFFLE, air, lower section
23	012992	4	CAPSCREW, 3/8"NF x 1-1/4"
	904206	4	LOCKWASHER, 3/8"
	044973	4	WASHER, plain
24	645871	1	BAFFLE, air, left side, upper section
	645872	1	BAFFLE, air, right side, upper section

NOTE: See PAINTING AND MARKING for transfers

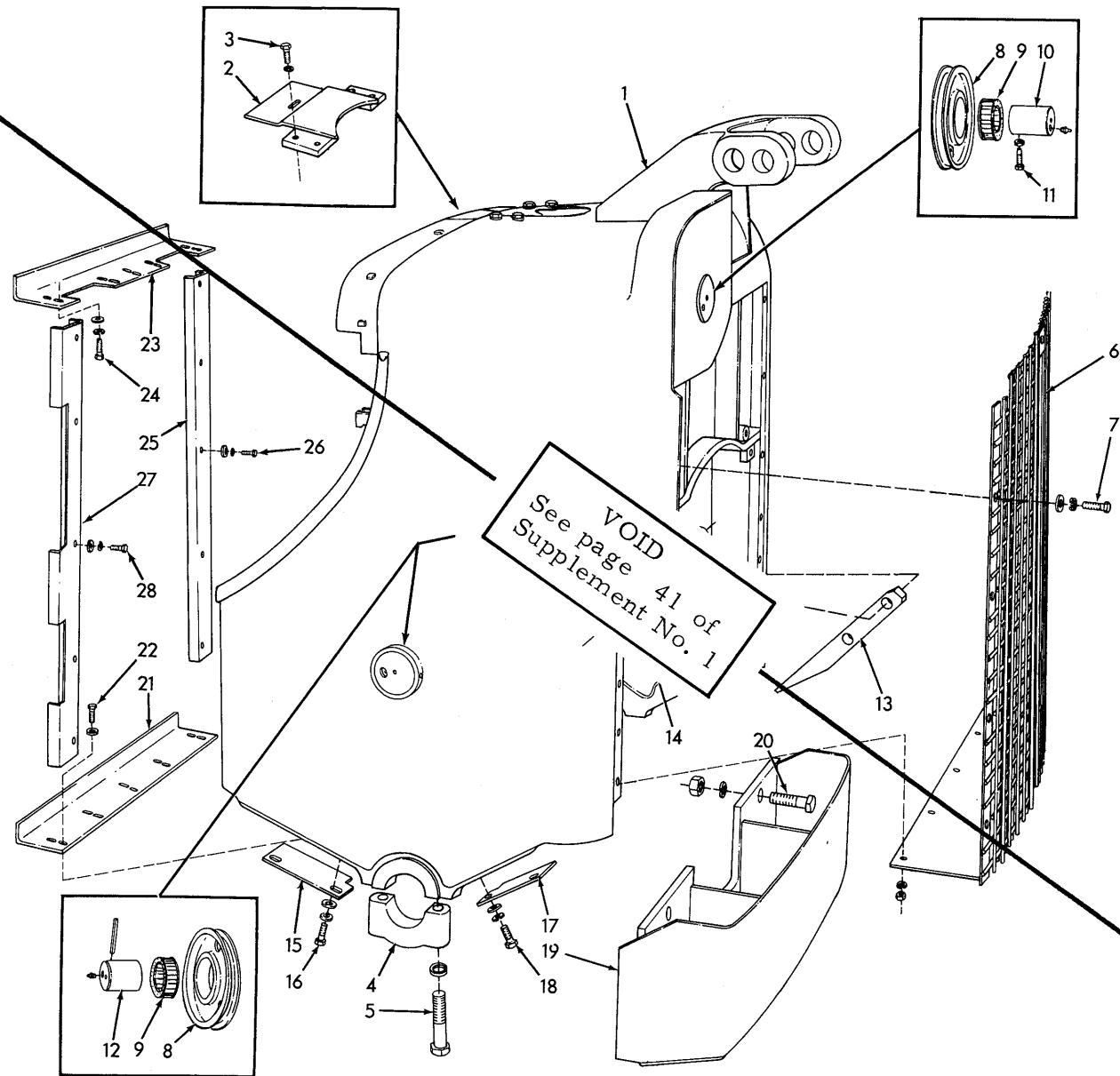
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See page 37 of
Supplement No. 1

RADIATOR GUARD (Cable)

USAGE: Special equipment. For units with cable dozer

ITEM	PART NO.	QTY.	DESCRIPTION
1	645501	1	GUARD ASSEMBLY, radiator (Includes items 2 thru 5)
2	651623	1	PLATE, top closure
3	070467	4	CAPSCREW, 1/2"NF x 1"
	904208	4	LOCKWASHER, 1/2"
4	085555	2	CAP, guard pivot
5	075878	4	CAPSCREW, 7/8"NF x 4"
	905347	4	LOCKWASHER, 7/8"
6	642814	1	GRILLE, front closure
7	035190	10	CAPSCREW, 1/2"NC x 1-1/2"
	904208	10	LOCKWASHER, 1/2"
	064531	10	WASHER, plain
8	084758	3	SHEAVE, control cable
9	044875	3	BEARING, roller, cable sheave
10	085521	1	SHAFT, front sheave
	914465	1	FITTING, lubrication, straight, 1/8"NPT
11	035188	1	SETSCREW, shaft retainer
	911035	1	NUT, jam, 1/2"
12	084384	2	SHAFT, side sheave
	914465	2	FITTING, lubrication, straight, 1/8"NPT
	917936	2	PIN, roll, 1/8"NPT
13	085395	1	GUIDE, cable
14	035306	2	CAPSCREW, 1/2"NF x 3-1/4"
	904209	2	LOCKWASHER, 1/2"
	911044	2	NUT, 5/8"
15	085304	2	PLATE, bottom closure, rear
16	035018	4	CAPSCREW, 1/2"NF x 1-1/2"
	904208	4	LOCKWASHER, 1/2"
	064531	4	WASHER, plain
17	085305	2	PLATE, bottom closure, front
18	035018	4	CAPSCREW, 1/2"NF x 1-1/2"
	904208	4	LOCKWASHER, 1/2"
	064531	4	WASHER, plain
19	607461	1	GUARD, front
20	070272	4	CAPSCREW, 1"NF x 3"
	910916	4	LOCKWASHER, 1"
	911047	4	NUT, 1"NF
21	641491	1	BAFFLE, air, lower
22	012992	5	CAPSCREW, 3/8"NF x 1-1/4"
	044973	5	WASHER, plain
	904206	5	LOCKWASHER, 3/8"
	911041	5	NUT, 3/8"NF
23	641490	1	BAFFLE, air, upper
24	036034	5	CAPSCREW, 3/8"NF x 1"
	904206	5	LOCKWASHER, 3/8"
	044973	5	WASHER, plain

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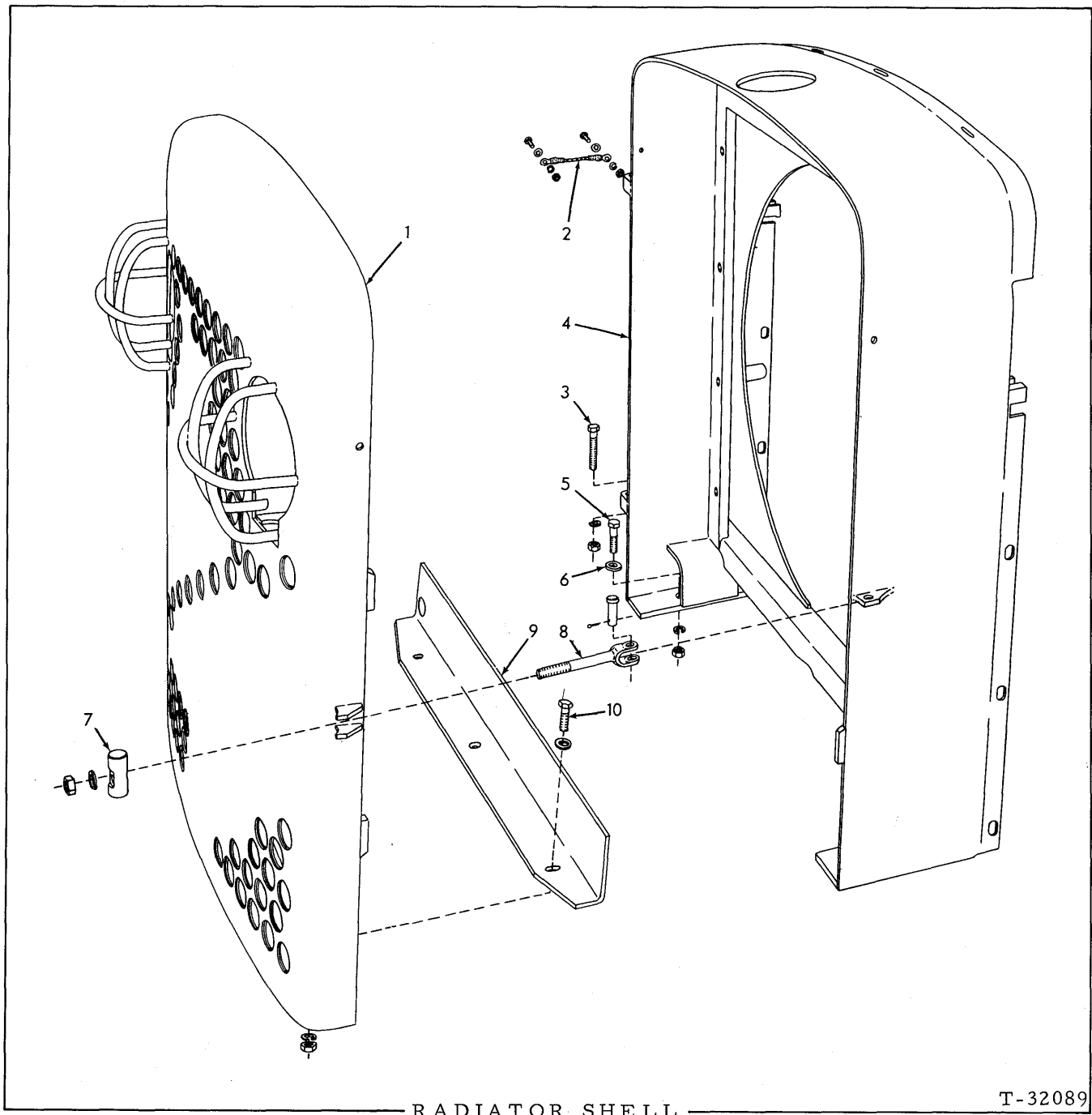
RADIATOR GUARD (Cable)

RADIATOR GUARD (Cable)(Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
25	085413	1	BAFFLE, air, left side
26	036034	5	CAPSCREW, 3/8"NF x 1"
	904206	5	LOCKWASHER, 3/8"
	044973	5	WASHER, plain
27	085519	1	BAFFLE, air, right side
28	036034	5	CAPSCREW, 3/8"NF x 1"
	904206	5	LOCKWASHER, 3/8"
	044973	5	WASHER, plain

NOTE: See PAINTING AND MARKING for transfers

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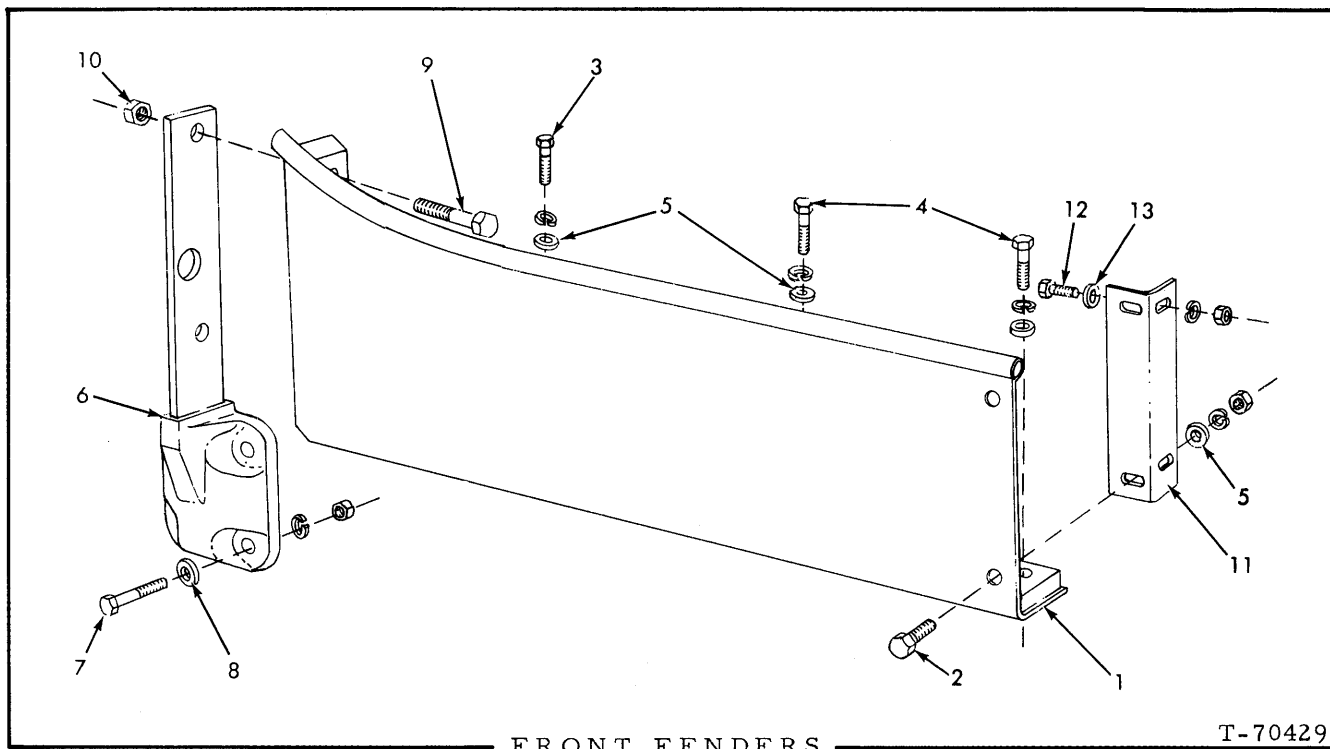
USAGE: Special Equipment. For light-duty applications

ITEM	PART NO.	QTY.	DESCRIPTION
1	649411	1	GUARD, radiator (Tractors prior to #13368)
	659245	1	GUARD, radiator (Tractors #13368 and up)
2	605807	1	CABLE, guard grounding
	912789	2	CAPSCREW, 1/4"NF x 3/4"
	909367	2	LOCKWASHER, internal teeth, 1/4"
	904204	2	LOCKWASHER, 1/4"
	911040	2	NUT, 1/4"NF

(Continued)

RADIATOR SHELL (Continued)

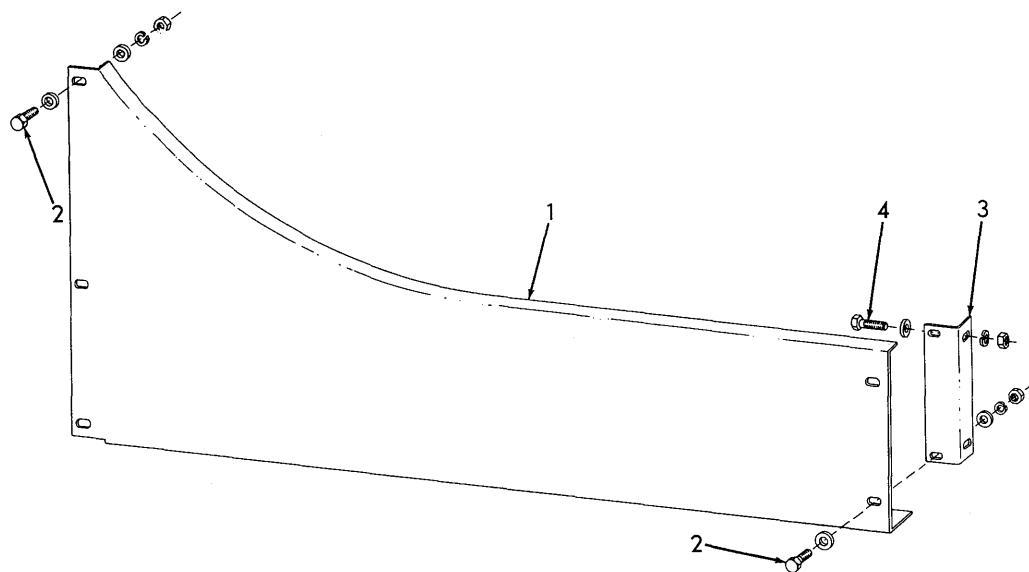
ITEM	PART NO.	QTY.	DESCRIPTION
3	057605	2	CAPSCREW, radiator guard hinge (1/2"NF x 2-3/4")
	904208	2	LOCKWASHER, 1/2"
	911043	2	NUT, 1/2"NF
4	639988	1	SHELL, radiator (Tractors prior to #13368)
	659246	1	SHELL, radiator (Tractors #13368 and up)
5	035067	4	CAPSCREW, 1/2"NF x 2"
6	064531	4	WASHER, plain
	904208	4	LOCKWASHER, 1/2"
	911043	4	NUT, 1/2"NF
7	054899	1	PIN, guard latching screw (plain hole)
8	096456	1	YOKE, guard latching
	904208	1	LOCKWASHER, 1/2"
	911043	1	NUT, 1/2"NF
	917648	1	PIN, yoke, 1/2" diam.
	910967	1	PIN, cotter, 1/8" x 7/8"
9	634482	1	BAFFLE, air
10	036034	3	CAPSCREW, 3/8"NF x 1"
	911115	3	WASHER, plain, SAE std., 3/8"
	904206	3	LOCKWASHER, 3/8"
	911041	3	NUT, 3/8"NF



USAGE: Standard equipment. For units with Wrap-around Radiator Guard.

ITEM PART NO. QTY. DESCRIPTION

1	634117	1	FENDER, left side
	634130	1	FENDER, right side (Standard)
	638764	1	FENDER, right side (Special. For tractors equipped with cable dozer)
2	035018	4	CAPSCREW, 1/2"NF x 1-1/2"
3	623696	4	CAPSCREW, Nylok, 1/2"NF x 1-1/4"
4	657515	8	CAPSCREW, Nylok, 1/2"NF x 2"
5	064531	16	WASHER, plain
	904208	16	LOCKWASHER, 1/2"
	911043	4	NUT, 1/2"NF
6	085356	2	BRACKET, fender attachment
7	035541	8	CAPSCREW, 5/8"NF x 3-3/4"
8	064810	8	WASHER, plain
	904209	8	LOCKWASHER, 5/8"
	911044	8	NUT, 5/8"NF
9	035423	4	CAPSCREW, fender attachment (3/4"NF x 4-1/4")
10	012767	4	NUT, high, 3/4"NF
11	634118	2	ANGLE, fender attachment
12	035073	4	CAPSCREW, 1/2"NF x 1-3/4"
13	064531	4	WASHER, plain
	904208	4	LOCKWASHER, 1/2"
	911043	4	NUT, 1/2"NF

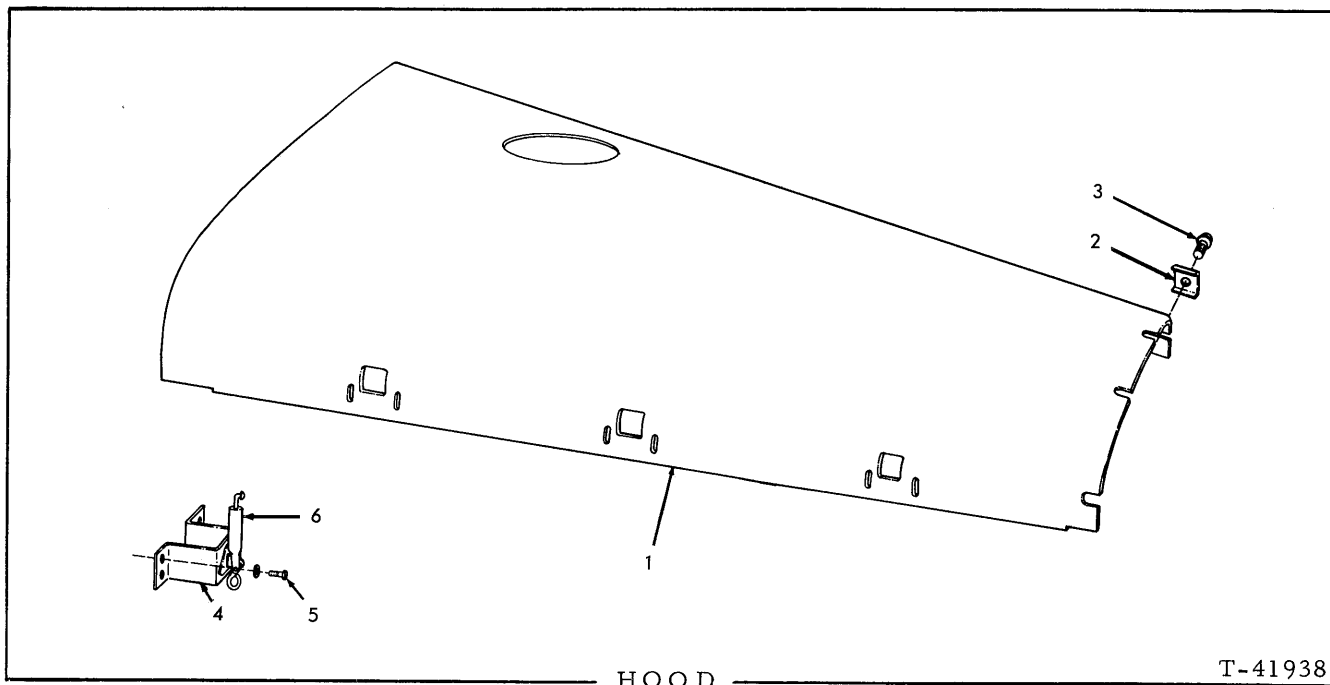


FRONT FENDERS

I-70428

USAGE: Special equipment. For units with Light-duty Radiator Shell

ITEM	PART NO.	QTY.	DESCRIPTION
1	638873	1	FENDER, left side
	638874	1	FENDER, right side
2	035018	10	CAPSCREW, 1/2"NF x 1-1/2"
	064531	20	WASHER, plain
	904208	10	LOCKWASHER, 1/2"
	911043	10	NUT, 1/2"NF
3	634118	2	ANGLE, fender attachment
4	035073	4	CAPSCREW, 1/2"NF x 1-3/4"
	064531	4	WASHER, plain
	904208	4	LOCKWASHER, 1/2"
	911043	4	NUT, 1/2"NF

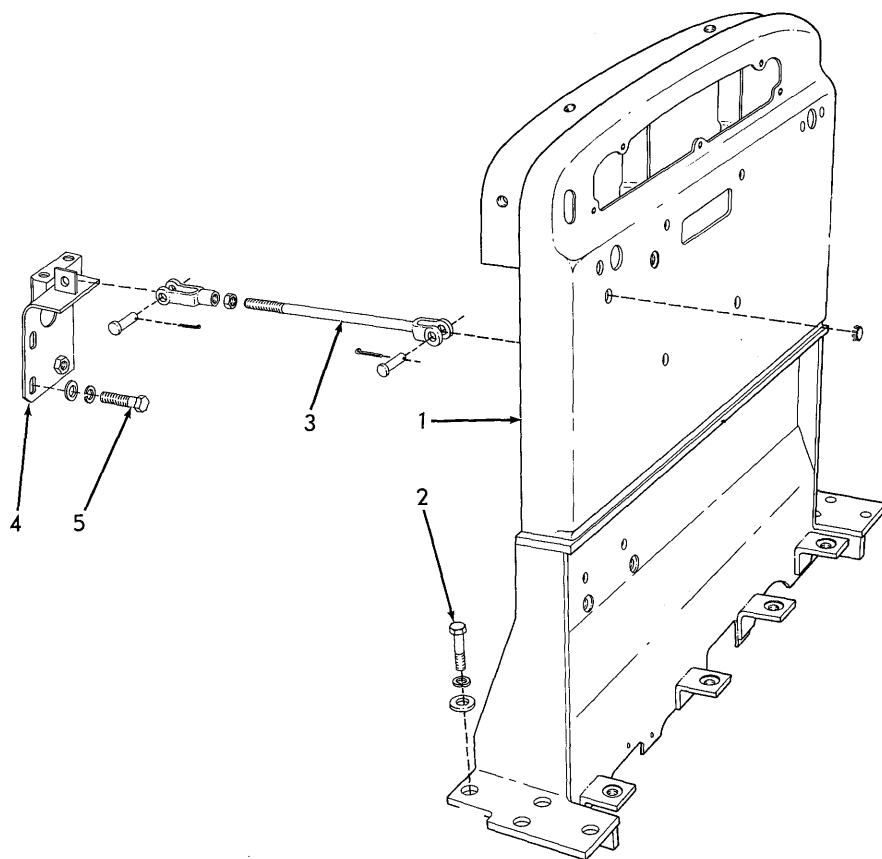


USAGE: Tractors prior to serial No. 13368. For superseding design, see page 43 of supplement No. 1

* Units with turbocharger
 ** Units without turbocharger

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	650875	1	-	HOOD, engine (Units with standard dry-type air cleaner)
	657508	1	-	HOOD, engine (Units with optional oil-bath air cleaner)
	650962	1	-	HOOD, engine (Units with standard dry-type air cleaner and optional light-duty radiator shell)
	651821	-	1	HOOD, engine (Units with standard dry-type air cleaner)
	657510	-	1	HOOD, engine (Units with optional oil-bath air cleaner)
	657913	1	-	HOOD, engine (Units with optional oil-bath air cleaner and light-duty radiator shell)
2	624416	4	4	CLIP, hood retaining
3	648294	4	4	CAPSCREW, Nylok, 1/2"NC x 1"
4	624426	2	2	FASTENER ASSEMBLY, hold-down (Includes item 6)
5	013058	8	8	CAPSCREW, 3/8"NC x 1-1/4" (wrap-around radiator guard)
	036032	8	8	CAPSCREW, 3/8"NF x 3/4" (light-duty radiator guard)
	904206	8	8	LOCKWASHER, 3/8"
6	033060	2	2	FASTENER
	900764	6	6	RIVET, fl-hd., 3/16" x 1/2"

NOTE: See PAINTING AND MARKING for transfers



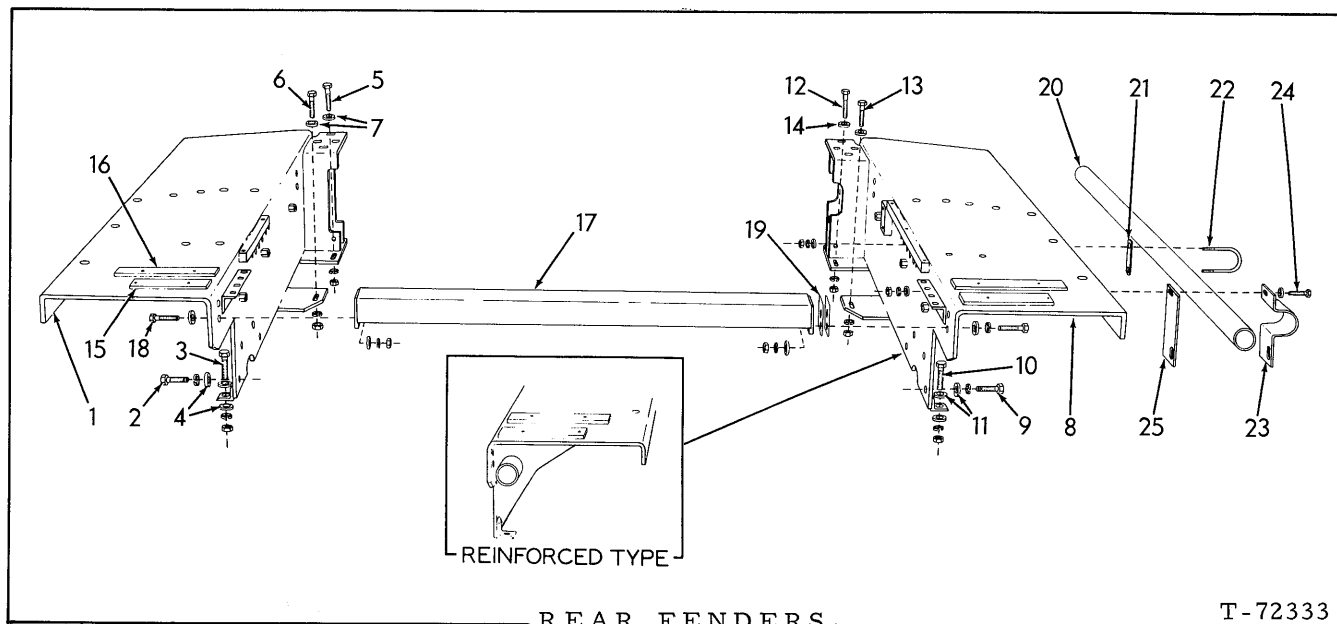
COWL

T-72364

USAGE: Tractors prior to serial No. 13368. For superseding design, see page 35 of Supplement No. 1

ITEM	PART NO.	QTY.	DESCRIPTION
1	650720	1	COWL
	921113	1	PLUG, button, 11/16" hole-diam. (Not used when ENGINE PRIMER is installed)
2	035236	8	CAPSCREW, 1/2"NC x 1-3/4"
	904208	8	LOCKWASHER, 1/2"
	064531	8	WASHER, plain
3	644002	1	ROD, cowl bracing
	913830	1	NUT, jam, 1/2"NF
	917666	1	YOKE, rod end, adjustable, 1/2"NF
	917648	2	PIN, yoke, 1/2" diam.
	900806	2	PIN, cotter, 1/8" x 1"
4	651143	1	BRACKET, cowl bracing rod
5	040013	2	CAPSCREW, 7/16"NC x 1-3/4"
	904207	2	LOCKWASHER, 7/16"
	074790	2	WASHER, plain

NOTE: See PAINTING AND MARKING for instruction plates and transfers



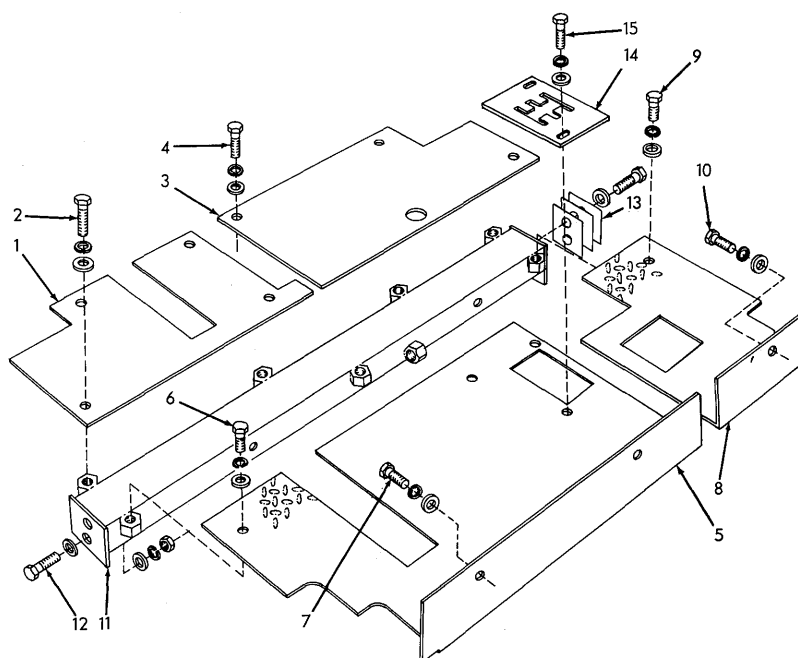
* Standard
 ** Special (Reinforced type)

ITEM	PART NO.	QTY. * **		DESCRIPTION	
1	650163	1	-	FENDER ASSY., left side (Tractors prior to #13368)	Each includes items 15 and 16
	659367	1	-	FENDER ASSY., left side (Tractors #13368 and up)	
	651053	-	1	FENDER ASSY., left side	
2	631795	4	4	CAPSCREW, Nylok, 5/8"NF x 1-3/4"	
3	035248	2	2	CAPSCREW, 5/8"NF x 1-3/4"	
4	064810	8	8	WASHER, plain	
	904209	6	6	LOCKWASHER, 5/8"	
	911044	2	2	NUT, 5/8"NF	
5	070403	2	2	CAPSCREW, 1/2"NF x 3"	
6	035067	1	1	CAPSCREW, 1/2"NF x 2"	
7	064531	3	3	WASHER, plain	
	904208	3	3	LOCKWASHER, 1/2"	
	911043	3	3	NUT, 1/2"NF	
8	650164	1	-	FENDER ASSY., right side (Tractors prior to #13368)	Each includes items 15 and 16
	659368	1	-	FENDER ASSY., right side (Tractors #13368 and up)	
	651054	-	1	FENDER ASSY., right side	
9	631795	4	4	CAPSCREW, Nylok, 5/8"NF x 1-3/4"	
10	035248	2	2	CAPSCREW, 5/8"NF x 2-1/4"	
11	064810	8	8	WASHER, plain	
	904209	6	6	LOCKWASHER, 5/8"	
	911044	2	2	NUT, 5/8"NF	
12	070403	2	2	CAPSCREW, 1/2"NF x 3"	
13	035067	1	1	CAPSCREW, 1/2"NF x 2"	
14	064531	3	3	WASHER, plain	
	904208	3	3	LOCKWASHER, 1/2"	
	911043	3	3	NUT, 1/2"NF	

(Continued)

REAR FENDERS (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
15	640606	2	2	PAD, fuel tank (short)
	083915	4	4	RIVET, split, 3/16" x 3/4" (Not original equipment)
16	640603	2	2	PAD, fuel tank (long)
	083915	4	4	RIVET, split, 3/16" x 3/4" (Not original equipment)
17	650819	1	1	ANGLE, fender bracing (Also see FUEL TANK AND SEAT GUARD for optional angle)
18	035067	4	4	CAPSCREW, 1/2"NF x 2"
	064531	8	8	WASHER, plain
	904208	4	4	LOCKWASHER, 1/2"
	911043	4	4	NUT, 1/2"NF
19	650823	2	2	SHIM, bracing angle (1/16" thick)
	650822	1	1	SHIM, bracing angle (1/8" thick)
<u>NOTE:</u> Items listed below are only for tractors equipped with cable dozer				
20	638552	1	-	PIPE, cable conducting
21	095190	3	-	SPACER, cable pipe, front
22	641474	3	-	U-BOLT, cable pipe
	044973	6	-	WASHER, plain
	904206	6	-	LOCKWASHER, 3/8"
	911041	6	-	NUT, 3/8"NF
23	095189	1	-	CLAMP, cable pipe
24	036039	1	-	CAPSCREW, 3/8"NF x 1-3/8"
	044973	2	-	WASHER, plain
	904206	1	-	LOCKWASHER, 3/8"
	911041	1	-	NUT, 3/8"NF
25	095192	1	-	SPACER, cable pipe, rear



T-72465

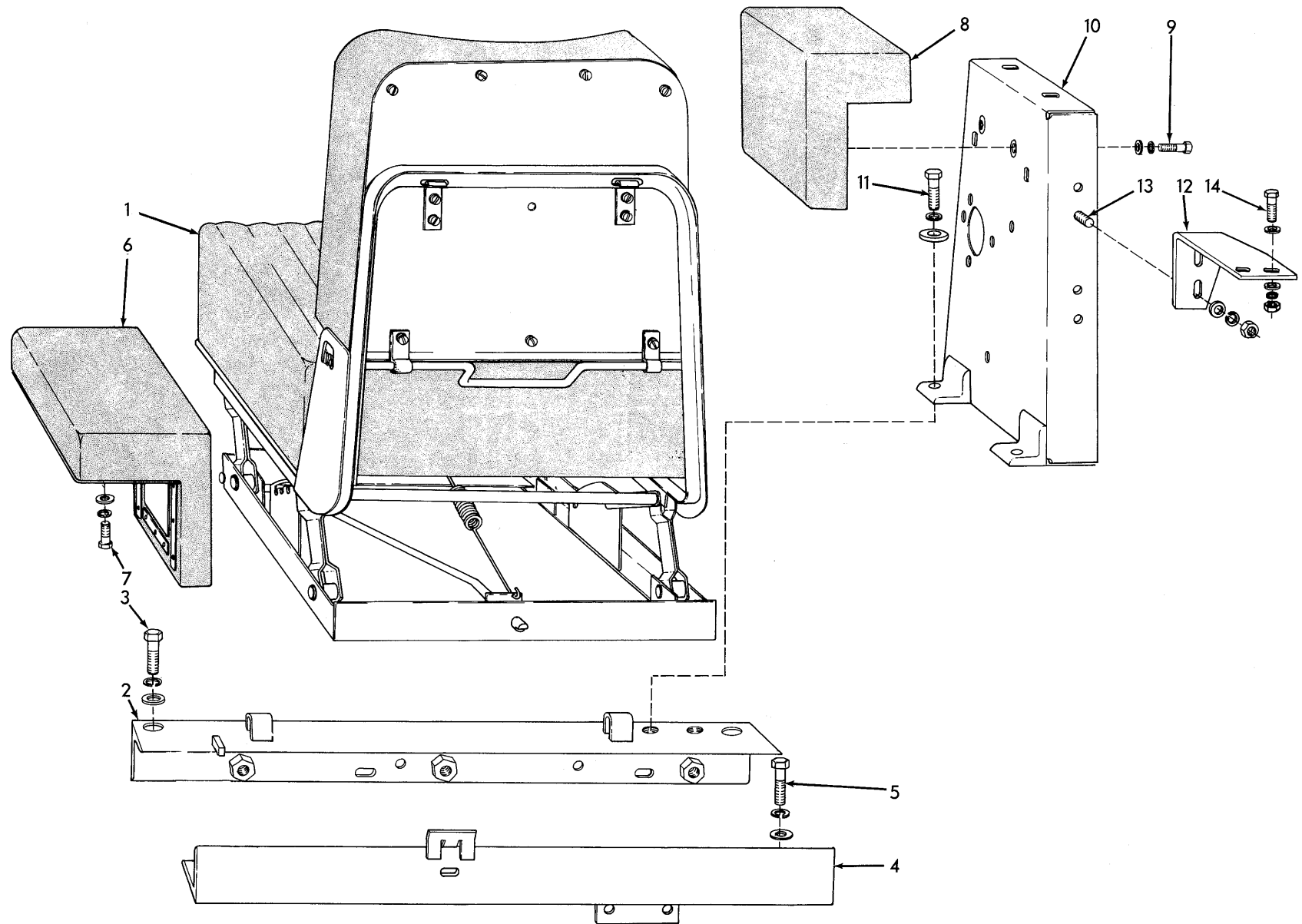
FLOOR

ITEM	PART NO.	QTY.	DESCRIPTION
1	650047	1	PLATE, front, left section (Tractors prior to #13368)
	657866	1	PLATE, front, left section (Tractors #13368 and up)
2	035061	4	CAPSCREW, 1/2"NC x 1-1/4"
	904208	4	LOCKWASHER, 1/2"
	064531	4	WASHER, plain
3	650601	1	PLATE, front, right section (Tractors prior to #13368)
	657864	1	PLATE, front, right section (Tractors #13368 and up)
4	035061	3	CAPSCREW, 1/2"NC x 1-1/4"
	904208	3	LOCKWASHER, 1/2"
	064531	3	WASHER, plain
5	650295	1	PLATE, rear, left section
6	035061	2	CAPSCREW, 1/2"NC x 1-1/4"
7	035190	2	CAPSCREW, 1/2"NC x 1-1/2"
	904208	4	LOCKWASHER, 1/2"
	092163	4	WASHER, plain
8	650290	1	PLATE, rear, right section
9	035061	1	CAPSCREW, 1/2"NC x 1-1/4"
10	035190	1	CAPSCREW, 1/2"NC x 1-1/2"
	904208	2	LOCKWASHER, 1/2"
	092163	2	WASHER, plain
11	650608	1	CHANNEL, supporting
	035067	4	CAPSCREW, 1/2"NF x 2"
	035236	4	CAPSCREW, 1/2"NC x 1-3/4" (Units with reinforced rear fenders)
12	064531	8	WASHER, plain (4 less used on units with reinforced rear fenders)
	904208	4	LOCKWASHER, 1/2"
	911043	4	NUT, 1/2"NF (Not used on units with reinforced rear fenders)

(Continued)

FLOOR (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
13	642167	1	SHIM, supporting channel (1/8" thick)
	642168	2	SHIM, supporting channel (1/16" thick)
14	646507	1	GUIDE, gear shift lever
15	035190	2	CAPSCREW, 1/2"NC x 1-1/2"
	904208	2	LOCKWASHER, 1/2"
	064531	2	WASHER, plain

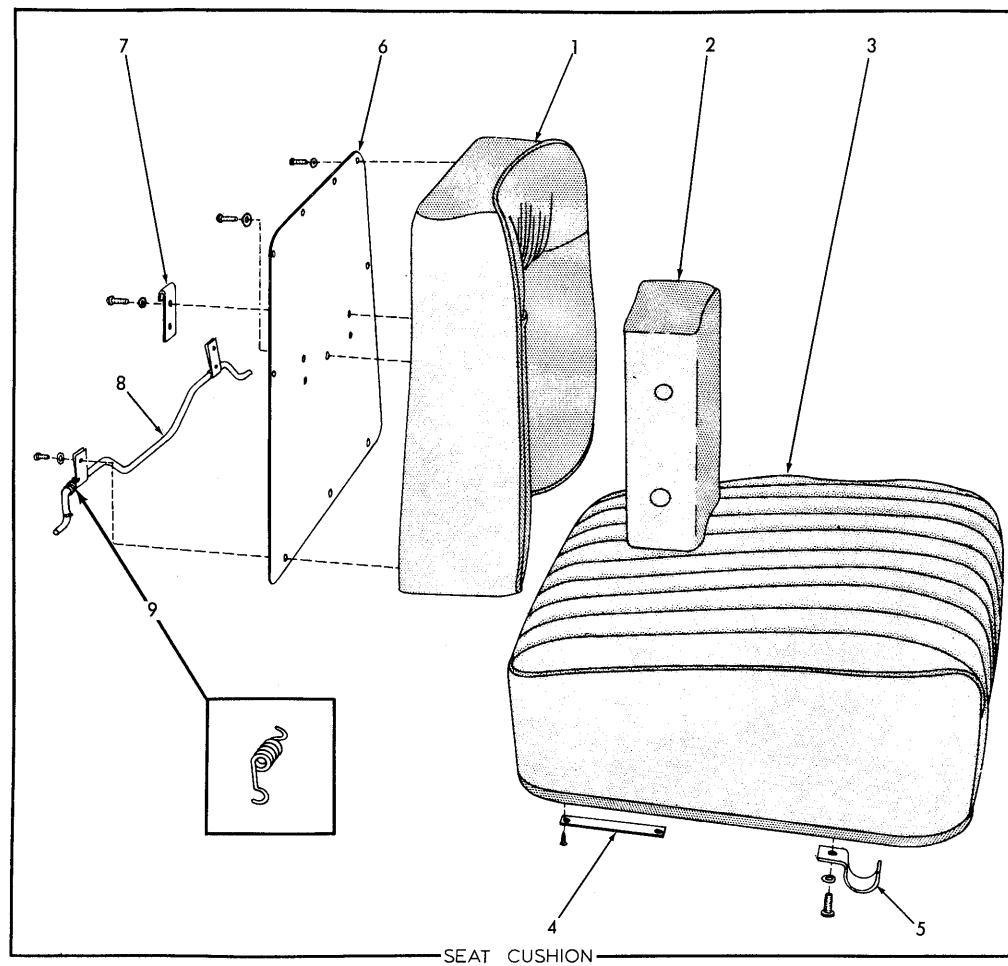
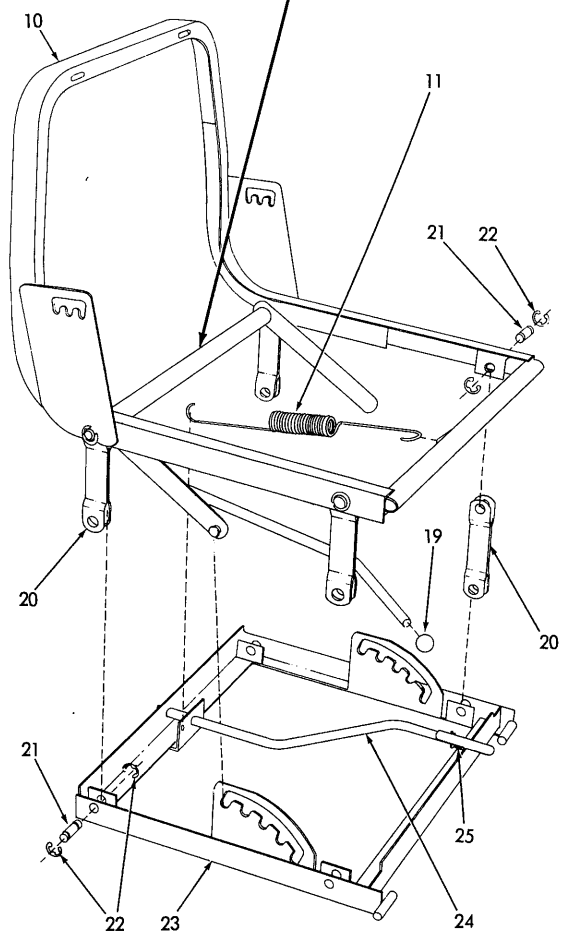
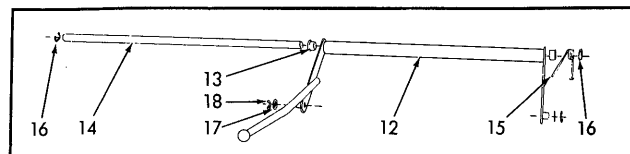


SEAT

T-41927

SEAT

ITEM	PART NO.	QTY.	DESCRIPTION
1	649859	1	SEAT ASSEMBLY (See page 205 for parts)
2	638776	1	ANGLE, seat supporting, front
3	035073	2	CAPSCREW, 1/2"NF x 1-3/4"
	904208	2	LOCKWASHER, 1/2"
	064531	2	WASHER, plain
4	634609	1	ANGLE, seat supporting, rear
5	035073	2	CAPSCREW, 1/2"NF x 1-3/4"
	904208	2	LOCKWASHER, 1/2"
	064531	2	WASHER, plain
6	632179	1	CUSHION, arm rest, left side
7	036034	4	CAPSCREW, 3/8"NF x 1"
	904206	4	LOCKWASHER, 3/8"
	044973	4	WASHER, plain
8	632188	1	CUSHION, arm rest, right side
9	036034	4	CAPSCREW, 3/8"NF x 1"
	904206	4	LOCKWASHER, 3/8"
	044973	4	WASHER, plain
10	649115	1	SUPPORT, right arm rest cushion
11	035190	4	CAPSCREW, 1/2"NC x 1-1/2"
	904208	4	LOCKWASHER, 1/2"
	064531	4	WASHER, plain
12	634249	1	ANGLE, bracing, right arm rest support
13	036034	2	CAPSCREW, 3/8"NF x 1"
14	035336	2	CAPSCREW, 3/8"NF x 1-1/2"
	044973	6	WASHER, plain
	904206	4	LOCKWASHER, 3/8"
	911041	4	NUT, 3/8"NF



SEAT CUSHION

SEAT ASSEMBLY 649859

ITEM	PART NO.	QTY.	DESCRIPTION
1	638422	1	CUSHION, back (outside section)
	642499	1	COVER, slip, back cushion (Includes fastenings) (Not original equipment)
2	638421	1	CUSHION, back (center section)
	916532	2	SCREW, machine, rd-hd., 1/4"NC x 3/4"
	914105	2	LOCKWASHER, ext-tooth, 1/4"
	642498	1	COVER, slip, back cushion (Includes fastenings) (Not original equipment)
3	638420	1	CUSHION ASSEMBLY, seat (Includes item 4)
	642500	1	COVER, slip, seat cushion (Includes fastenings) (Not original equipment)
4	638431	2	PLATE, bearing, seat cushion
	-----	4	SCREW, wood, fl-hd., #8 x 1/2" (Procure locally)
5	638432	2	BRACKET, pivot, seat cushion
	916532	2	SCREW, machine, rd-hd., 1/4"NC x 3/4"
	914105	2	LOCKWASHER, ext-tooth, 1/4"
6	650143	1	PLATE, reinforcing, back cushion
	916532	8	SCREW, machine, rd-hd., 1/4"NC x 3/4"
	914105	8	LOCKWASHER, ext-tooth, 1/4"
7	650132	2	BRACKET, retaining, back cushion
	916532	4	SCREW, machine, rd-hd., 1/4"NC x 3/4"
	914105	4	LOCKWASHER, ext-tooth, 1/4"
8	650141	1	ROD ASSEMBLY, back cushion adjustment (Includes mounting clips)
	916532	2	SCREW, machine, rd-hd., 1/4"NC x 3/4"
	914105	2	LOCKWASHER, ext-tooth, 1/4"
9	650137	1	SPRING, back cushion adjustment rod
10	650144	1	FRAME, seat
11	650138	1	SPRING, retracting, seat frame
12	650142	1	LATCH, seat adjustment
13	650146	2	BEARING, seat adjustment latch
14	650136	1	SHAFT, seat adjustment latch
15	650135	1	SPRING, seat adjustment latch
16	638351	2	RING, snap, seat adjustment latch shaft
17	188436	2	WASHER, seat adjustment latch
18	650147	2	RING, snap, seat adjustment latch
19	650133	1	KNOB, seat adjustment latch
20	650139	4	LINK, suspension, seat frame
21	650131	6	PIN, seat frame suspension link
22	638351	12	RING, snap, suspension link pin
23	650145	1	FRAME ASSEMBLY, base (Includes items 24 and 25)
24	650140	1	ROD, seat release
	188436	1	WASHER, plain
	924169	2	PIN, groove, 1/8" x 1"
25	650134	1	SPRING, seat release rod

PAINTING AND MARKING
(Not illustrated)

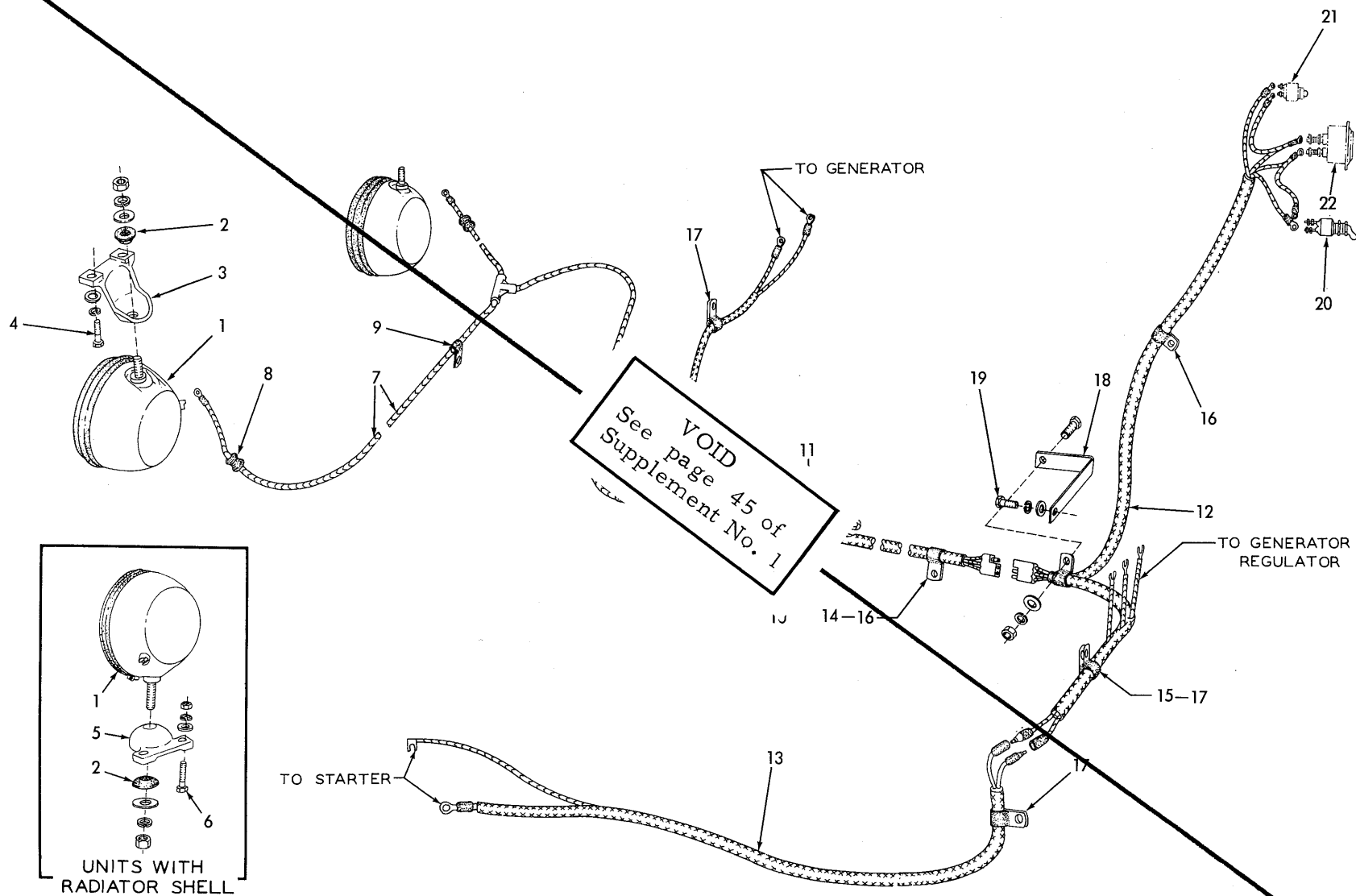
ITEM	PART NO.	QTY.	DESCRIPTION
<u>NOTE:</u> Approximately 3 gallons paint required for spraying			
1	922983	-	ENAMEL, A-C yellow, quart can
2	922984	-	ENAMEL, A-C yellow, gallon can
3	922985	-	ENAMEL, A-C yellow, 5 gallon can
4	922982	-	ENAMEL, A-C yellow, 12 oz. pressurized spray-type can
<u>NOTE:</u> All plates and transfers listed below are English language printings unless otherwise indicated.			
5	651445	1	PLATE, lubrication and service guide (7"x10". Attached to left battery box)(Tractors prior to #13368)
	664751	1	PLATE, lubrication and service guide (7"x10". Attached to left battery box)(Tractors #13368 and up)
	651525	1	PLATE, lubrication and service guide (multi-language, 7" x 13") (Attached to left battery box)(Tractors prior to #13368)
	664752	1	PLATE, lubrication and service guide (Multi-language, 7" x 13") (Attached to left battery box)(Tractors #13368 and up)
6	034076	4	SCREW, thread-cutting, cross-recessed-hd., #8 x 1/2" (2 additional required for multi-language plates)
7	059698	1	PLATE, gear shift positions (2-5/8" x 3-1/2". Attached to dash)
8	034076	4	SCREW, thread-cutting, cross-recessed-hd., #8 x 1/2"
9	621357	1	TRANSFER, lubrication certification (3-7/8" x 6-3/4")(Applied to left battery box)
10	631293	1	TRANSFER, instruction, engine operation (2-1/4" x 4-1/2") (Applied to dash)
11	924548	2	TRANSFER, "ALLIS-CHALMERS" (1-1/8" x 20")(Applied to sides of seat)(Used prior to March 1968)
12	924550	1	TRANSFER, "ALLIS-CHALMERS" (1-3/8" x 30")(Applied to front of radiator guards)
13	924551	2	TRANSFER, "ALLIS-CHALMERS" (2" x 36")(Applied to sides of hood)
14	924552	1	TRANSFER, "ALLIS-CHALMERS" (2-1/2" x 39")(Applied to rear of fuel tank)
15	623498	3	TRANSFER, "HD11" (Elliptical)(Used prior to March 1968)
	665154	3	TRANSFER, "HD11" (3" x 6-1/4")(Effective March 1968)
	665153	3	TRANSFER, "HD11AG" (3" x 14-1/2")
16	621343	1	TRANSFER, instruction, oil filter (2-5/16" x 3-1/4")(Applied to engine oil filter)
	633627	1	TRANSFER, instruction, oil filter (multi-language, 4" x 4-3/4") (Applied to engine oil filter)
17	632226	1	TRANSFER, instruction, oil filter (1-3/4" x 2-1/4")(Applied to FILTER ASSEMBLY 631542)
18	644537	1	TRANSFER, instruction, dry-type air cleaner (4" x 4") (Applied to dash)(For units with "Farr" cleaner only)
	656642	1	TRANSFER, instruction, oil-bath air cleaner (Applied to cleaner)
	659430	1	TRANSFER, instruction, dry-type air cleaner (2-1/2" x 5")(HD11 E only)
	659534	1	TRANSFER, instruction, dry-type air cleaner (2-1/2" x 5")(HD11AG only)

Applied to sides of seat and to rear of fuel tank

Applied to air stack on units with "Donaldson" cleaner only

PAINTING AND MARKING (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
19	651894	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)
20	621342	1	TRANSFER, instruction, engine primer (1-3/4" x 6")(Applied to dash)
21	633384	1	TRANSFER, instruction, air heater operation (2" x 6")(Applied to dash)
	-----	1	TRANSFER, instruction, air heater operation (Spanish translation, 2" x 6")(Applied to filter)
22	621399	1	TRANSFER, warning, special heavy-duty oil filter (2" x 10". Includes Portugese translation)(Applied to filter)
	621400	1	TRANSFER, warning, special heavy-duty oil filter (2" x 10". French and Spanish translation)(Applied to filter)
23	629967	1	TRANSFER, instruction, oil clutch (1-3/8" x 3-5/8")(Applied to dash)
24	629205	1	TRANSFER, warning, power steering and brakes (1-3/4" x 3-1/2") (Applied to dash)
25	650587	1	TRANSFER, turbocharger, altitude warning (1-3/4" x 3-1/2") (Applied to dash)
26	924320	1	TRANSFER, trademark (6-3/4", black and orange)
	924541	1	TRANSFER, trademark (6-3/4", white)(Optional)
27	924306	2	TRANSFER, trademark (7-3/4", black and orange)
	924463	2	TRANSFER, trademark (7-3/4", white)(Optional)
28	651889	1	TRANSFER KIT (Consists of one each TRANSFERS 924320, 924550, 924552, 621338, 621342, 621343, 629205, 629967, 631293, 644537, 644593, 644625, 650587; two each TRANSFERS 924306, 924548, 924551; three TRANSFERS 623498)



LIGHTS AND WIRING

* Tractors with standard wrap-around radiator guard
 ** Tractors with light-duty radiator shell

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	638283	2	2	ΔLIGHT ASSEMBLY, head (See page 211 for parts)
	900818	2	2	ΔWASHER, plain, U.S. std., 1/2"
	904208	2	2	ΔLOCKWASHER, 1/2"
	911043	2	2	ΔNUT, 1/2"NF
2	075535	2	2	ΔWASHER, head light mounting
3	093195	2	-	ΔBRACKET, head light mounting
4	035336	4	-	ΔCAPSCREW, 3/8"NF x 1-3/4" (For inside mounting)
	053616	4	-	ΔCAPSCREW, 3/8"NC x 1-3/4" (For outside mounting)
	904206	4	-	ΔLOCKWASHER, 3/8"
	044973	4	-	ΔWASHER, plain
5	075429	-	2	ΔBRACKET, head light mounting
6	203188	-	4	ΔCAPSCREW, 3/8"NF x 1-1/2"
	044973	-	4	ΔWASHER, plain
	904206	-	4	ΔLOCKWASHER, 3/8"
	911041	-	4	ΔNUT, 3/8"NF
7	649733	1	-	ΔCABLE, head light to m... harness
	656292	-	1	ΔCABLE, head light to ... rness
8	044810	2	-	ΔGROMMET, head l' ... only when lights are mounted on top of radio
9	640677	10	7	ΔCLIP, head li... diam., 13/32" bolt-hole)
	035979	5	3	ΔCAPSC... x 5/8"
	916268	1	4	ΔCAPS... x 5/8"
	904206	6	7	ΔLOCKW... x 5/8"
	911115	-	7	ΔWASHER, ... SAE std., 3/8"
10	649740	1	1	HARNESS ASSEMBLY, wiring, front section (Includes item 11)
11	208960	1	1	FUSE, cartridge type, 1/4" x 1-1/4", 20 amperes
12	649742	1	1	HARNESS, wiring, rear section
13	649739	1	1	HARNESS, wiring, starter control
14	640675	4	4	CLIP, wiring harness (3/8" diam., 17/32" bolt-hole)
	035718	1	1	CAPSCREW, 1/2"NC x 3/4"
	904208	1	1	LOCKWASHER, 1/2"
	036034	1	1	CAPSCREW, 3/8"NF x 1"
	911115	1	1	WASHER, plain, SAE std., 3/8"
	904206	1	1	LOCKWASHER, 3/8"
	911041	1	1	NUT, 3/8"NF
15	094527	2	2	CLIP, rear wiring harness (1/2" diam., 13/32" bolt-hole)
	035439	1	1	CAPSCREW, 3/8"NC x 1"
	904206	1	1	LOCKWASHER, 3/8"
	911115	1	1	WASHER, plain, SAE std., 3/8"
16	639314	2	2	CLIP, wiring harness (3/8" diam., 13/32" bolt-hole)

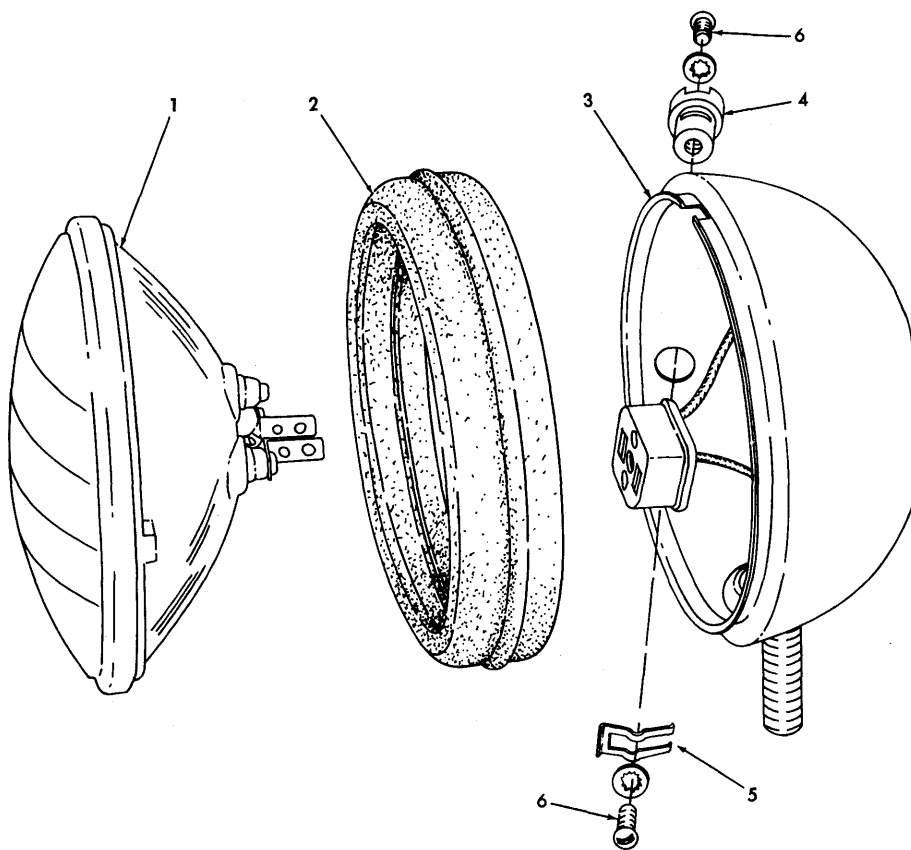
Δ Special equipment

(Continued)

LIGHTS AND WIRING (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
17	640677	3	3	CLIP, wiring harness (1/4" diam., 13/32" bolt-hole)
	036032	1	1	CAPSCREW, 3/8"NF x 3/4"
	035439	1	1	CAPSCREW, 3/8"NC x 1"
	904206	2	2	LOCKWASHER, 3/8"
	911115	1	1	WASHER, plain, SAE std., 3/8"
18	649493	1	1	ANGLE, harness supporting
19	035439	1	1	CAPSCREW, 3/8"NC x 1"
	904206	1	1	LOCKWASHER, 3/8"
	911115	1	1	WASHER, plain, SAE std., 3/8"
20	651630	1	1	SWITCH (Includes mounting nuts)
21	-----	-	-	SWITCH, push-button (See STARTER)
22	-----	-	-	AMMETER (See INSTRUMENTS)

VOID
See page 45 of
Supplement No. 1



LIGHT ASSEMBLY 638283

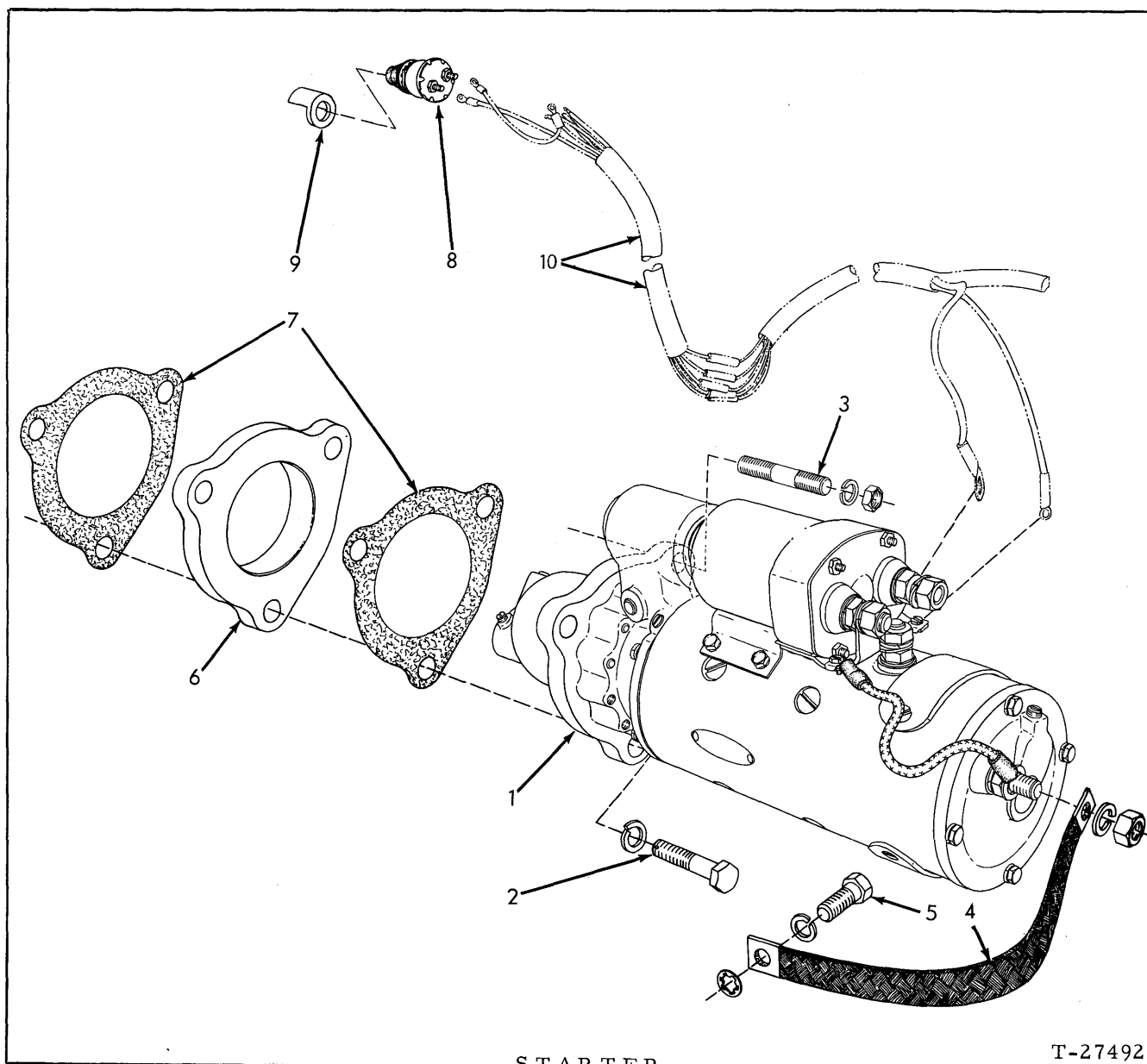
T-38214

USAGE: See pages 209 and 225

ITEM PART NO. QTY. DESCRIPTION

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

1	182763	1	SEALED BEAM (24 volt)
2	638282	1	RING, retaining (rubber)
3	-----	1	BODY ASSEMBLY (Includes wiring. Not serviced separately)
4	055589	1	TERMINAL KIT (Includes items 5 and 6)
5	048922	1	SPRING, retaining, terminal bushing
6	034076	2	SCREW, terminal
	912739	2	LOCKWASHER, internal teeth, #8



STARTER

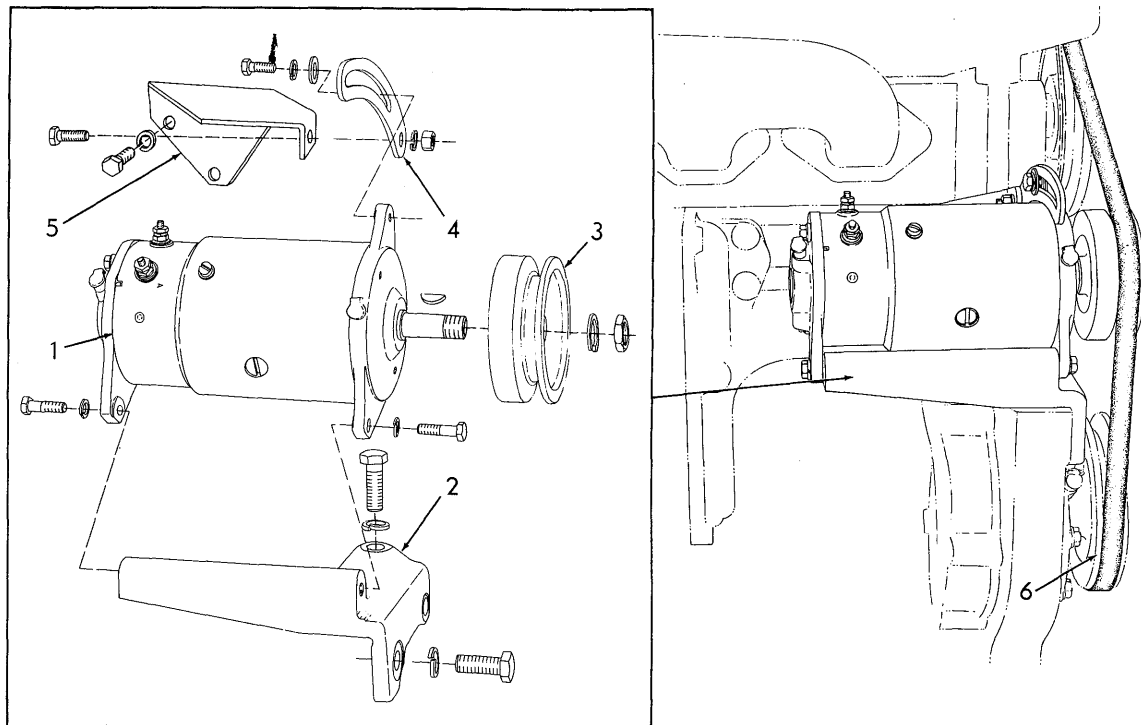
T-27492

ITEM	PART NO.	QTY.	DESCRIPTION
1	4387529	1	MOTOR, starting ("Delco-Remy" #1113898. Order parts from local United Motors Service agency)
2	621456	2	CAPSCREW, Nylok, 5/8"NC x 2-1/2"
3	648262	1	STUD, Nylok, 5/8"NF x 3-1/8"
	911044	1	NUT, 5/8"NF
	904209	3	LOCKWASHER, 5/8"
4	630199	1	STRAP, starter to ground
5	035525	1	CAPSCREW, 1/2"NF x 1-3/8"
	904208	1	LOCKWASHER, 1/2"
	906961	1	LOCKWASHER, int-tooth, 1/2"
6	621278	1	ADAPTER, starting motor
7	620420	2	GASKET, starting motor adapter

(Continued)

S T A R T E R (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
8	240962	1	SWITCH ASSEMBLY, push button (Includes mounting nut)
9	634677	1	GUARD, starter switch (Tractors prior to #13368)
10	-----	1	WIRING HARNESS (See LIGHTS AND WIRING)

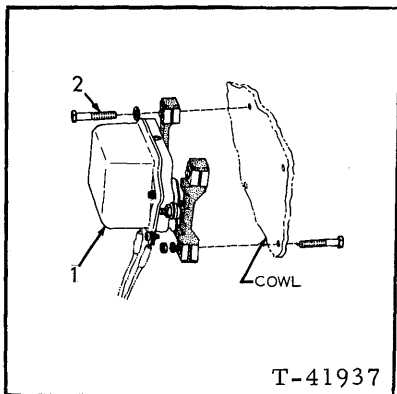


GENERATOR

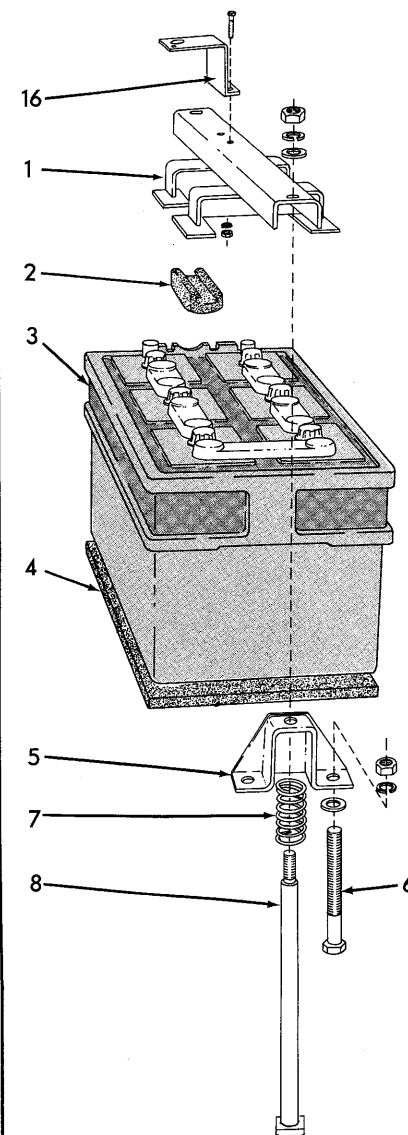
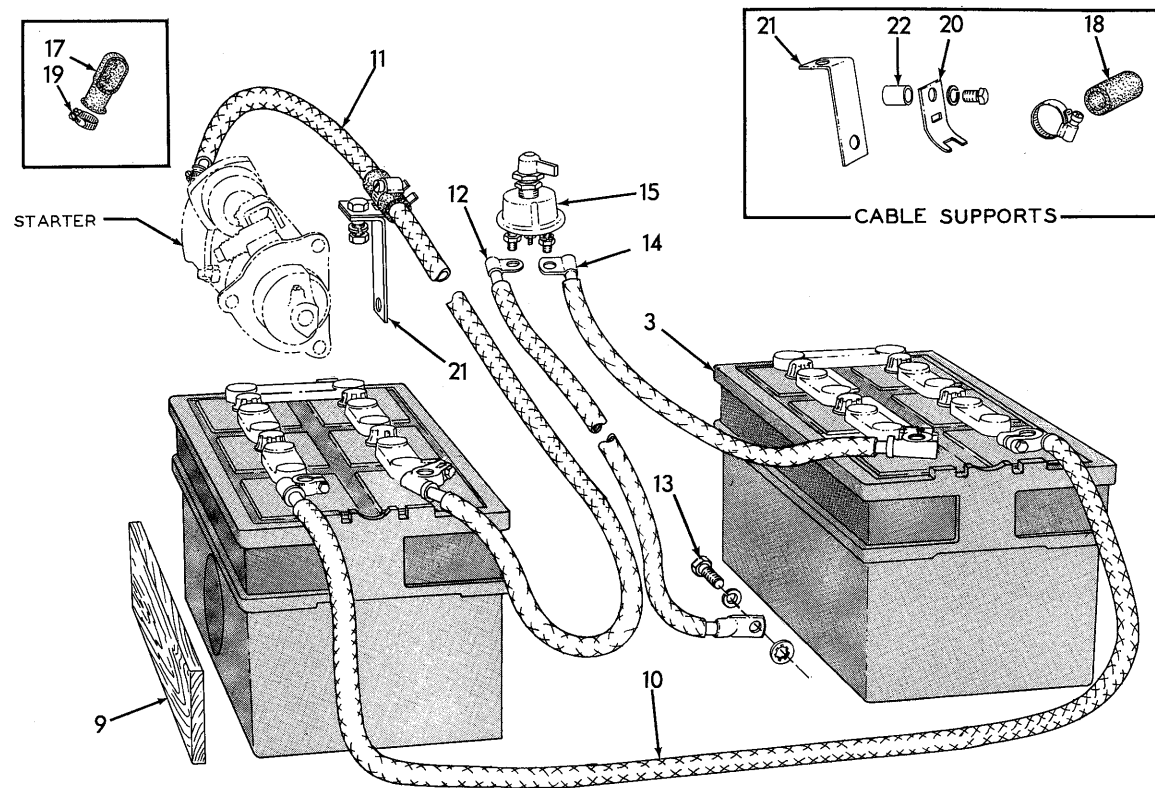
I-36167

ITEM	PART NO.	QTY.	DESCRIPTION
1	4058931	1	GENERATOR ASSEMBLY (Includes key, nut and washer for pulley) ("Delco-Remy" #1103032. Order parts from local United Motors Service agency)
	916271	2	CAPSCREW, 3/8"NC x 1"
	904206	2	LOCKWASHER, 3/8"
2	4354582	1	BRACKET, generator mounting
	918683	1	CAPSCREW, 1/2"NC x 1-1/8"
	919230	2	CAPSCREW, 1/2"NC x 1-3/8"
	904208	3	LOCKWASHER, 1/2"
3 {	4349676	1	PULLEY (Cast iron) (Used prior to Engine #10-13880 and #11-12957)
	4339504	1	PULLEY (Pressed steel) (Effective with Engine #10-13880 and #11-12957)
4	4338269	1	BRACE, generator
	915809	2	CAPSCREW, 5/16"NC x 3/4"
	904205	2	LOCKWASHER, 5/16"
	901165	1	WASHER, plain, U.S. std., 5/16"
	910323	1	NUT, 5/16"NC
5	4338280	1	BRACKET, generator brace
	916271	2	CAPSCREW, 3/8"NC x 1"
	904206	2	LOCKWASHER, 3/8"
6	4338212	1	BELT, generator and water pump

GENERATOR REGULATOR



ITEM	PART NO.	QTY.	DESCRIPTION
1	667736	1	REGULATOR, voltage and current ("Delco-Remy" #1119213. Does <u>NOT</u> include shock-mount)
1A	4664290	1	SHOCK-MOUNT, generator regulator
	912177	2	CAPSCREW, 1/4"NF x 1-1/4"
2	054304	2	CAPSCREW, 1/4"NC x 1-1/4"
	904204	4	LOCKWASHER, 1/4"
	911040	2	NUT, 1/4"NF

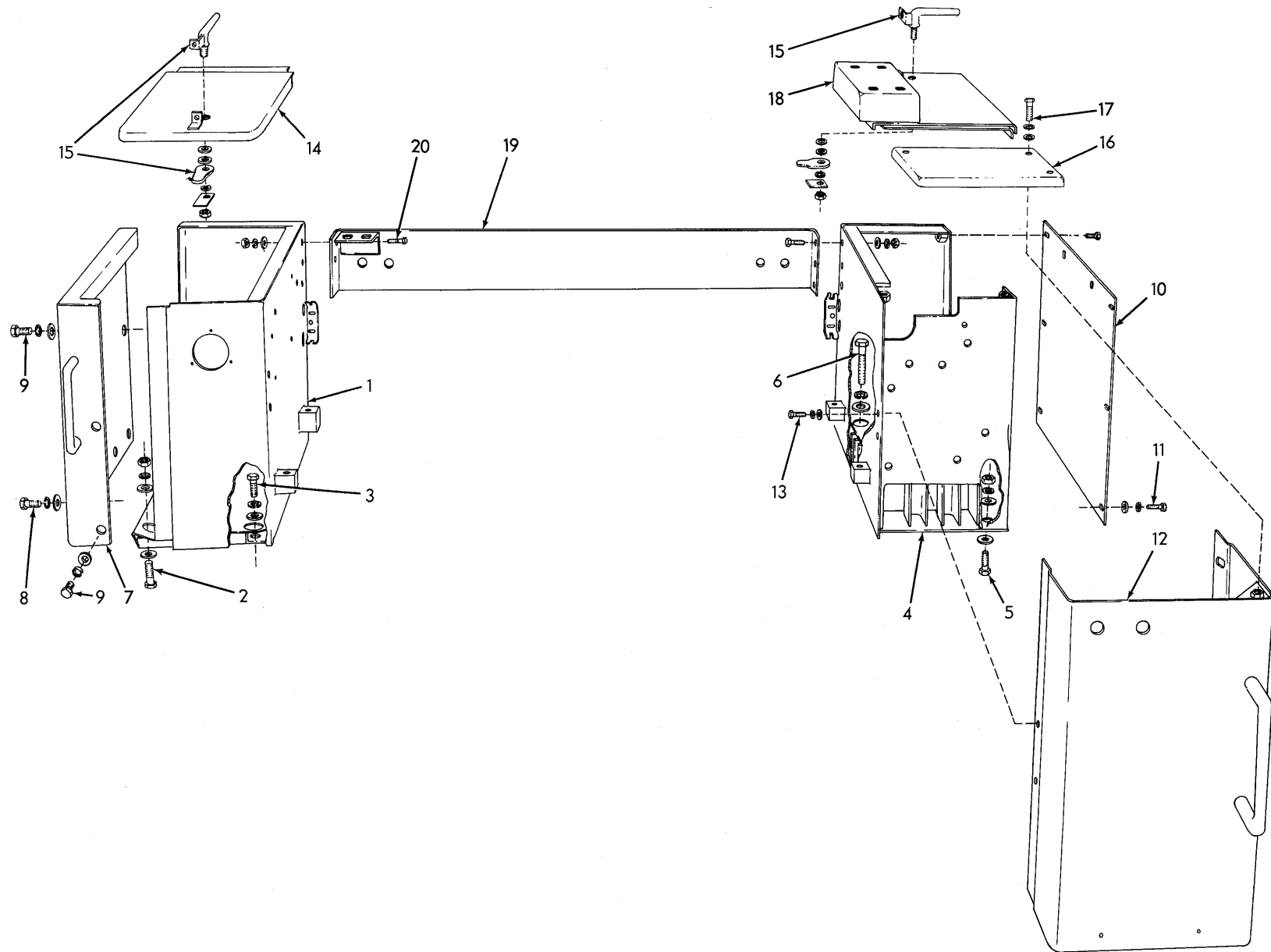


BATTERIES AND CABLES

USAGE: Tractors prior to serial No. 13368. For superseding design, see page 53 of Supplement No. 1

* Tractors prior to serial No. 12559
 ** Tractors serial No. 12559 and up

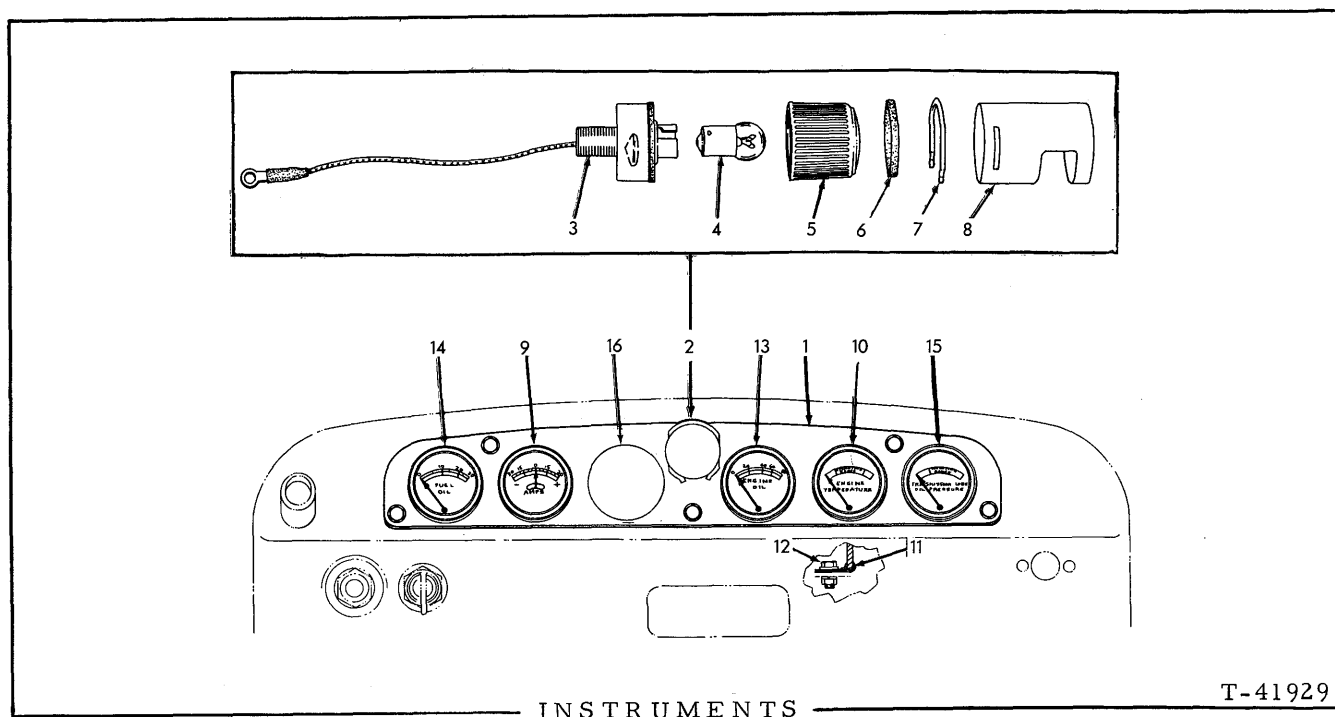
ITEM	PART NO.	QTY. * **		DESCRIPTION
1	052782	2	2	HOLD-DOWN, battery
2	052791	8	8	BLOCK, hold-down (rubber)
3	-----	2	2	BATTERY, storage, 12 volts, 25 plates ("Prestolite" type D-6. Order from local dealer)
4	085680	2	2	PAD, battery bottom
5	081867	4	4	BRACKET, hold-down bolt
6	012871	4	4	CAPSCREW, 1/2"NC x 2-3/4" (right side)
	052191	4	4	CAPSCREW, 1/2"NC x 5-1/2" (left side)
	904208	8	8	LOCKWASHER, 1/2"
	911028	8	8	NUT, 1/2"NC
	064531	8	8	WASHER, plain
				} Not used with special reinforced Rear Fenders
7	081404	4	4	SPRING, hold-down bolt
8	087313	4	4	BOLT, hold-down
	904208	4	4	LOCKWASHER, 1/2"
	911043	4	4	NUT, 1/2"NF
	064531	4	4	WASHER, plain
9	-----	-	-	BOARDS, battery spacing (Procure locally as required)
10	649738	1	-	CABLE, battery connecting (47" long)
	658339	-	1	CABLE, battery connecting (59-1/2" long)
11	649736	1	-	CABLE, battery to starter (134" long)
	657743	-	1	CABLE, battery to starter (102" long)
12	627428	1	-	CABLE, master switch to ground (58" long)
	658323	-	1	CABLE, master switch to ground (53" long)
13	036034	1	1	CAPSCREW, 3/8"NF x 1"
	904206	1	1	LOCKWASHER, regular, 3/8"
	906960	1	1	LOCKWASHER, int-tooth, 3/8"
14	649737	1	-	CABLE, battery to master switch (30" long)
	646852	-	1	CABLE, battery to master switch (14" long)
15	643726	1	1	SWITCH ASSEMBLY, master (Serviced only as a unit)
16	643725	1	1	BRACKET, master switch
	912789	2	2	CAPSCREW, 1/4"NF x 3/4"
	904204	2	2	LOCKWASHER, 1/4"
	911040	2	2	NUT, 1/4"NF
17	076572	1	1	BOOT, protecting, starter to terminal
18	076469	14	12	BOOT, cable protecting
19	921912	15	13	CLAMP, cable boot
20	633653	9	8	CLIP, cable supporting
	036032	1	-	CAPSCREW, 3/8"NF x 3/4"
	035244	1	3	CAPSCREW, 3/8"NC x 3/4"
	035439	4	2	CAPSCREW, 3/8"NC x 1"
	013059	1	1	CAPSCREW, 3/8"NC x 2"
	904206	7	6	LOCKWASHER, 3/8"
	911041	1	1	NUT, 3/8"NF
	084895	1	-	CLIP, supporting, ground cable
21	637658	1	1	ANGLE, cable supporting
22	619331	1	1	BLOCK, clip spacing



BATTERY BOXES

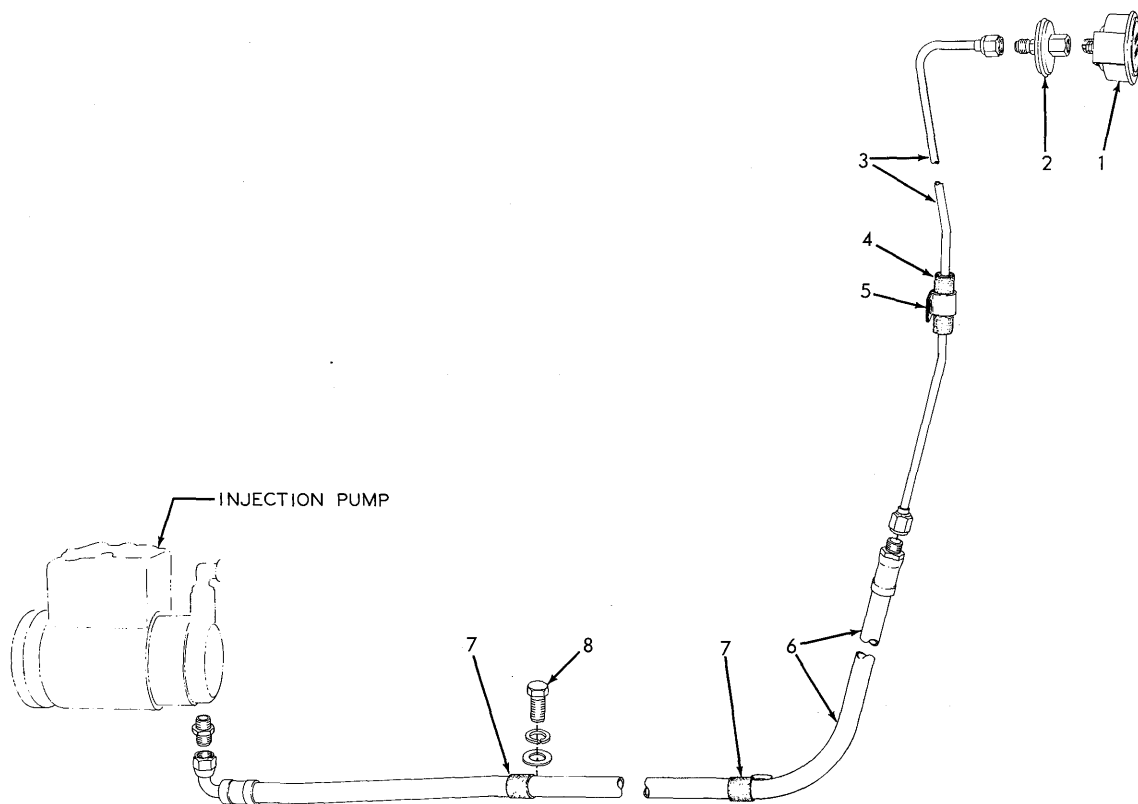
ITEM	PART NO.	QTY.	DESCRIPTION
1	650916	1	BOX, right battery (Tractors prior to #13368)
	663911	1	BOX, right battery (Tractors #13368 and up)
2	035073	1	CAPSCREW, 1/2"NF x 1-3/4" (Not for units with reinforced fenders)
3	035018	3	CAPSCREW, 1/2"NF x 1-1/2"
	064531	5	WASHER, plain
	904208	4	LOCKWASHER, 1/2"
	911043	1	NUT, 1/2"NF (Not for units with reinforced fenders)
4	650914	1	BOX, left battery (Tractors prior to #13368)
	663878	1	BOX, left battery (Tractors #13368 and up)
5	035073	1	CAPSCREW, 1/2"NF x 1-3/4" (Not for units with reinforced fenders)
6	057517	2	CAPSCREW, 1/2"NF x 4"
	064531	4	WASHER, plain
	904208	3	LOCKWASHER, 1/2"
	911043	1	NUT, 1/2"NF (Not for units with reinforced fenders)
7	639905	1	COVER, side, right battery box (Also see HEAVY-DUTY FUEL FILTER for special cover)
8	614478	2	CAPSCREW, 1/2"NF x 1-3/8"
9	035733	6	CAPSCREW, 1/2"NC x 1-3/8"
	904208	8	LOCKWASHER, 1/2"
	064531	8	WASHER, plain
10	637532	1	COVER, side, left battery box
11	035733	8	CAPSCREW, 1/2"NC x 1-3/8"
	904208	8	LOCKWASHER, 1/2"
	064531	8	WASHER, plain
12	649211	1	COVER, end, left battery box
13	035220	2	CAPSCREW, 1/2"NC x 1-1/8"
	904208	2	LOCKWASHER, 1/2"
	064531	2	WASHER, plain
14	650918	1	COVER, top, right battery box
15	650901	2	LOCK ASSEMBLY, battery box cover (Serviced only as a unit)
	911115	4	WASHER, plain, SAE std., 3/8"
16	639858	1	COVER, top, left battery box, front section
17	035439	3	CAPSCREW, 3/8"NC x 1"
	904206	3	LOCKWASHER, 3/8"
	044973	3	WASHER, plain
18	650940	1	COVER, top, left battery box, rear section
19	634251	1	BRACE, cross
20	614478	6	CAPSCREW, 1/2"NF x 1-3/8"
	064531	6	WASHER, plain
	904208	6	LOCKWASHER, 1/2"
	911043	6	NUT, 1/2"NF

NOTE: See PAINTING AND MARKING for instruction plate and transfers



USAGE: Tractors prior to serial No. 13368. For superseding design, see page 47 of Supplement No. 1

ITEM	PART NO.	QTY.	DESCRIPTION
1	634219	1	PLATE, instrument mounting
	907727	5	CAPSCREW, cd-pltd., 1/4"NC x 5/8"
	909367	5	LOCKWASHER, int-tooth, 1/4"
2	634222	1	LIGHT ASSEMBLY, instrument panel (Consists of items 3 thru 8)
	911049	1	NUT, jam, 5/8"NF
	910334	1	LOCKWASHER, int-tooth, 5/8"
3	-----	1	BASE ASSEMBLY (Not serviced separately)
4	074452	1	BULB, instrument light (single contact, 6 c.p., 24 volts)
5	095267	1	LENS, instrument light
6	095268	1	GASKET, instrument light
7	095265	1	SPRING, retaining, instrument light cover
8	095269	1	COVER, instrument light
9	091588	1	AMMETER (Includes mounting clamp)
10	630792	1	GAUGE, engine temperature (Includes mounting clamp)
11	639313	1	CLIP, engine temperature gauge line
12	034964	1	CAPSCREW, 1/4"NC x 3/4"
	900816	1	WASHER, plain, U.S. std., 1/4"
	904204	1	LOCKWASHER, 1/4"
	911024	1	NUT, 1/4"NC
13	-----	1	GAUGE, engine oil pressure (See page 222)
14	-----	1	GAUGE, fuel pressure (See page 221)
15	-----	1	GAUGE, transmission lubricating oil pressure (See page 224)
16	921193	1	PLUG, button, 2-3/32" hole-diam.

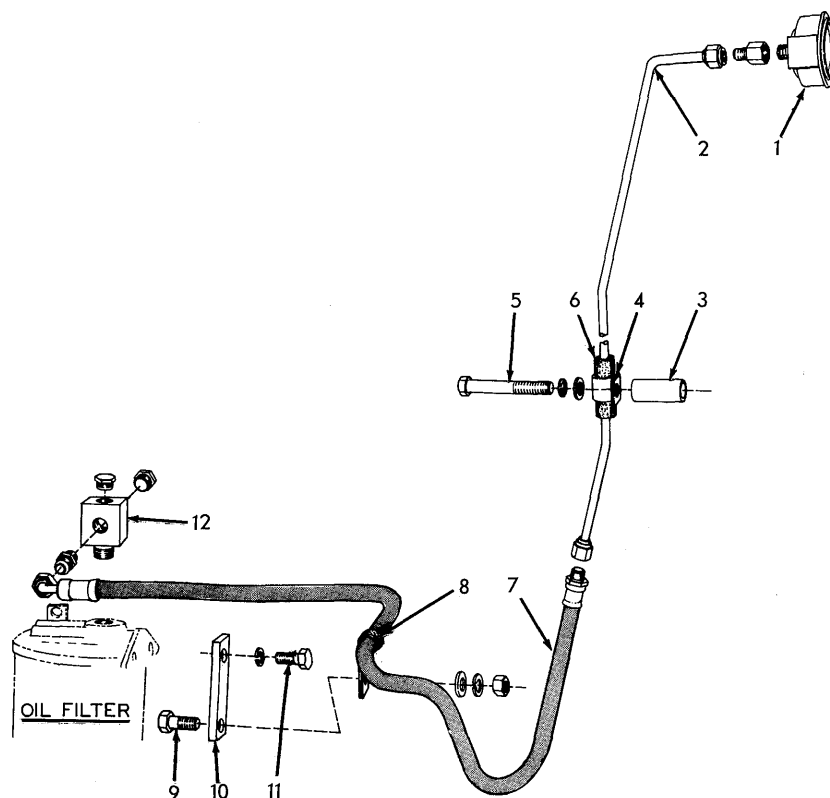


FUEL PRESSURE GAUGE

T-72339

USAGE: Tractors prior to serial No. 13368. Fuel pressure gauge is Not used on later units.

ITEM	PART NO.	QTY.	DESCRIPTION
1	642574	1	GAUGE (Includes mounting clamp)
2	088534	1	RESTRICTOR
3	650751	1	TUBE ASSEMBLY (Includes nuts)
4	093972	1	BOOT, tube protecting (rubber)
5	047381	1	CLIP, tube supporting
6	650763	1	HOSE (See page 6)
	919171	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT male
7	644006	2	CLIP, hose supporting
8	035244	1	CAPSCREW, 3/8"NC x 3/4"
	904206	1	LOCKWASHER, 3/8"
	900817	1	WASHER, plain, U.S. std., 3/8"



ENGINE OIL PRESSURE GAUGE

T-72338

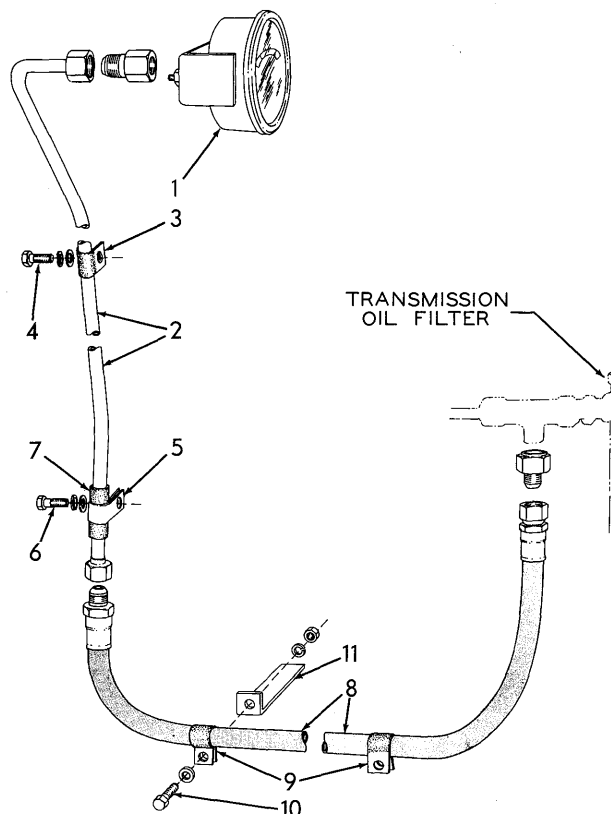
USAGE: Tractors prior to serial No. 13368. For superseding design, see page 48 of Supplement No. 1.

ITEM	PART NO.	QTY.	DESCRIPTION
1	091585	1	GAUGE (Includes mounting clamp)
2	650752	1	TUBE ASSEMBLY (Includes nuts)
	919174	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT female
3	635720	1	SPACER, tube supporting clip
4	047381	1	CLIP, tube supporting
5	056721	1	CAPSCREW, 3/8"NC x 2-1/2"
	904206	1	LOCKWASHER, 3/8"
	911115	1	WASHER, plain, SAE std., 3/8"
6	093972	1	BOOT, tube protecting (rubber)
7	641649	1	HOSE (See page 6)
	919140	1	CONNECTOR, flare type, 1/4" tube, 1/4"NPT male
8	644006	1	CLIP, hose supporting
9	035167	1	CAPSCREW, 3/8"NF x 7/8"
	911115	1	WASHER, plain, SAE std., 3/8"
	904206	1	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8"NF
10	046423	1	SUPPORT, hose (3" long)(Units with dry-type cleaner)
	067165	1	SUPPORT, hose (5-3/4" long)(Units with oil-bath air cleaner)
11	035244	1	CAPSCREW, 3/8"NC x 3/4"
	904206	1	LOCKWASHER, 3/8"

(Continued)

ENGINE OIL PRESSURE GAUGE (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
12	4339606	1	ADAPTOR, oil pressure gauge line
	919840	1	PLUG, pipe, hex-hd., 1/4"NPT (Not used if Hour Meter installed)
	920333	1	PLUG, pipe, hex-hd., 3/8"NPT (Not used on units with turbocharger)

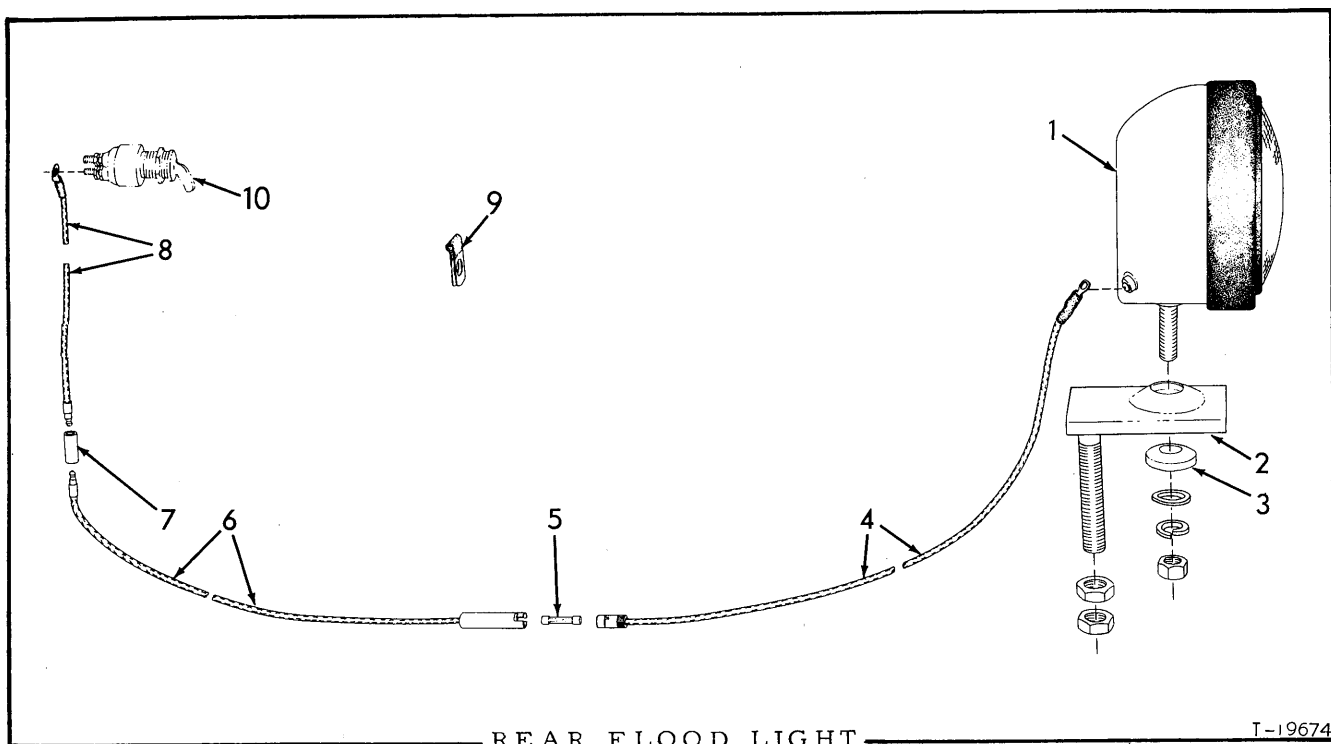


TRANSMISSION LUBRICATING OIL PRESSURE GAUGE

T-72466

USAGE: Tractors prior to serial No. 13368. For superseding design, see page 49 of Supplement No. 1.

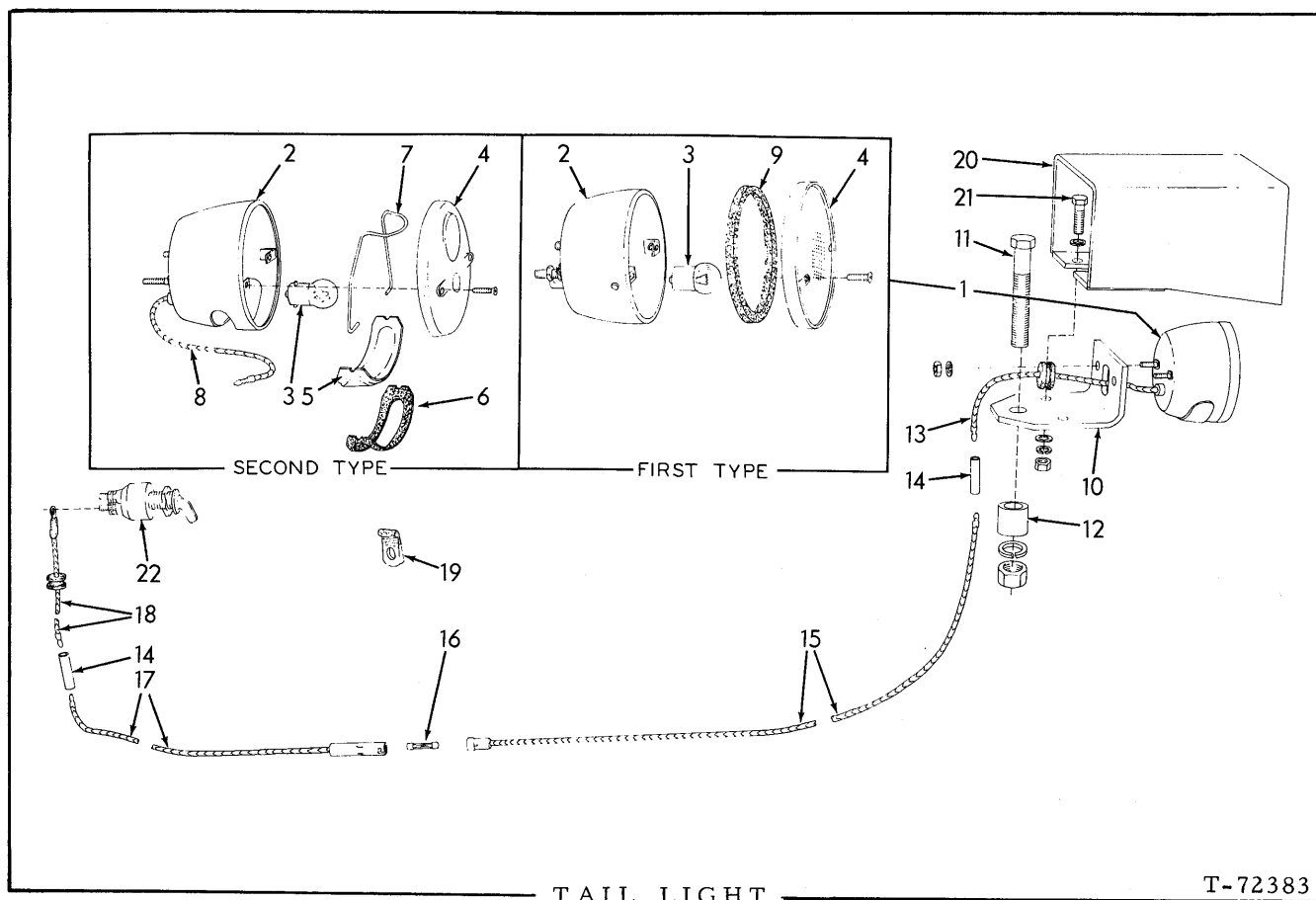
ITEM	PART NO.	QTY.	DESCRIPTION
1	641809	1	GAUGE (Includes mounting clamp)
2	641648	1	TUBE ASSEMBLY (Includes nuts)
	919174	1	CONNECTOR, flare type, 1/4" tube, 1/8"NPT female (Units with dry-type air cleaner)
	919249	1	ELBOW, flare type, 90°, 1/4" tube, 1/8"NPT female (Units with oil-bath air cleaner)
3	640677	1	CLIP, tube supporting (1/4" diam.)
4	035244	1	CAPSCREW, 3/8"NC x 3/4"
	904206	1	LOCKWASHER, 3/8"
	911115	1	WASHER, plain, SAE std., 3/8"
5	047381	1	CLIP, tube supporting (5/8" diam.)
6	036032	1	CAPSCREW, 3/8"NF x 3/4"
	904206	1	LOCKWASHER, 3/8"
	911115	1	WASHER, plain, SAE std., 3/8"
7	093972	1	BOOT, tube protecting (rubber)
8	642145	1	HOSE (See page 6)
	923102	1	REDUCER, flare type, 1/2" tube to 1/4" tube
9	644006	2	CLIP, hose supporting (9/16" diam.)
10	035167	1	CAPSCREW, 3/8"NF x 7/8"
	911115	1	WASHER, plain, SAE std., 3/8"
	904206	1	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8"NF
11	637658	1	ANGLE, hose supporting



USAGE: Special equipment

ITEM PART NO. QTY. DESCRIPTION

1	638283	1	LIGHT ASSEMBLY (See page 211 for parts)
	900818	1	WASHER, plain, U.S. std., 1/2"
	904208	1	LOCKWASHER, 1/2"
	911043	1	NUT, 1/2"NF
2	094630	1	BRACKET, mounting
	911044	2	NUT, 5/8"NF
3	075535	1	WASHER, mounting
4	084238	1	CABLE, rear section (57" long)
5	208960	1	FUSE, cartridge type (1/4" x 1-1/4", 20 amperes)
6	641716	1	CABLE, intermediate section (46" long)
7	048142	1	CONNECTOR, cable
8	641715	1	CABLE, front section (24" long)
	639312	1	CLIP, cable (3/16" diam., 9/16" bolt-slot)
	639388	2	CLIP, cable (1/8" diam., 13/32" bolt-hole)
	916268	1	CAPSCREW, 3/8"NC x 5/8"
	904206	1	LOCKWASHER, 3/8"
10	-----	1	SWITCH, lights (See LIGHTS AND WIRING)



USAGE: Special equipment

* Used prior to January 1967

** Effective January 1967

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	-----	1	-	LIGHT ASSEMBLY, tail (Order LIGHT ASSEMBLY 654652)
	654652	-	1	LIGHT ASSEMBLY, tail (Consists of items 2 thru 8)
	904204	2	2	LOCKWASHER, 1/4"
	911024	2	2	NUT, 1/4"NC
2	-----	1	1	BODY ASSEMBLY (Not serviced separately)
3	074452	1	1	BULB, incandescent, single contact, 6 c.p., 24 volt
4	629188	1	-	LENS, tail light
	917883	2	-	SCREW, thread-cutting, rd-hd., #8 x 5/8"
	654991	-	1	LENS, tail light (red)
	654990	-	2	SCREW, retaining
5	654988	-	1	LENS-SEGMENT, tail light (clear)
6	654989	-	1	GASKET, lens-segment
7	654987	-	1	CLIP, lens-segment retaining

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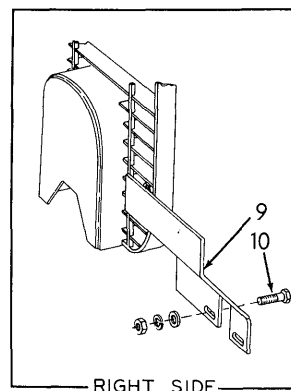
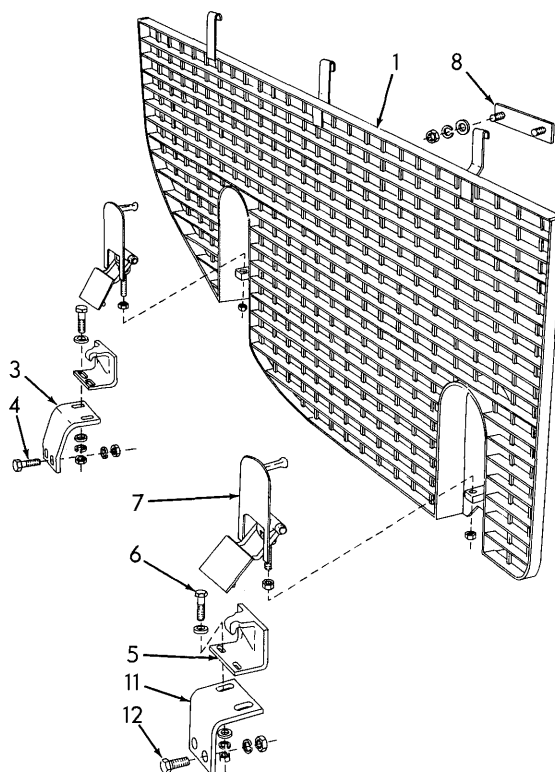
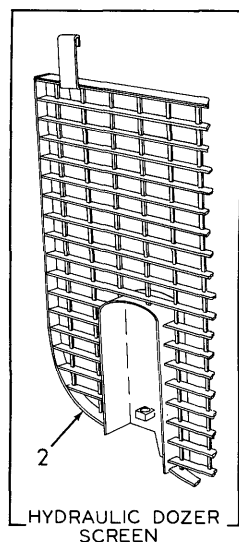
TAIL LIGHT (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
8	654986	-	1	WIRE ASSEMBLY, tail light (Includes insulating bushing)
9	629189	1	-	GASKET, tail light lens
10	067110	1	1	BRACKET, tail light mounting
11	034440	1	1	CAPSCREW, 5/8"NF x 3-1/2"
	904209	1	1	LOCKWASHER, 5/8"
	911044	1	1	NUT, 5/8"NF
12	067112	1	1	BLOCK, spacing, mounting bracket
13	630148	1	-	CABLE ASSEMBLY, rear section (Includes plug)
14	048142	2	2	CONNECTOR, cable
15	638965	1	1	CABLE, rear intermediate section (42" long)
16	208960	1	1	FUSE, cartridge type (1/4" x 1-1/4", 20 amperes)
17	641716	1	1	CABLE, front intermediate section (46" long)
18	641715	1	1	CABLE, front section (24" long)
19	639312	1	1	CLIP, cable (3/16" diam., 9/16" bolt-slot)
	639388	2	2	CLIP, cable (1/8" diam., 13/32" bolt-hole)
	916268	1	1	CAPSCREW, 3/8"NC x 5/8"
	904206	1	1	LOCKWASHER, 3/8"
20	647139	1	1	GUARD, tail light
21	012992	2	2	CAPSCREW, 3/8"NF x 1-1/4"
	044973	4	4	WASHER, plain
	904206	2	2	LOCKWASHER, 3/8"
	911041	2	2	NUT, 3/8"NF
22	-----	1	1	SWITCH, lights (See LIGHTS AND WIRING)

HOOR METER (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
6	641214	1	CABLE, pressure switch to connector (42" long)
7	048142	1	CONNECTOR, meter cable
8	640706	1	CABLE, connector to meter (115" long)
9	640707	2	CLIP, hour meter cable (1/8" diam., 9/32" bolt-hole)
	047478	2	CAPSCREW, 1/4"NC x 5/8"
	904204	2	LOCKWASHER, 1/4"
	911114	2	WASHER, plain, SAE std., 1/4"
10	639388	3	CLIP, cable (1/8" diam., 13/32" bolt-hole)
11	640676	2	CLIP, cable (5/16" diam., 13/32" bolt-hole)
12	035979	1	CAPSCREW, 3/8"NF x 5/8"
	904206	1	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8"NF
13	644162	1	STRAP, clip supporting

VOID
See page 50 of
Supplement No. 1



ENGINE SIDE SCREENS

T-72381

USAGE: Special equipment. Not for units equipped with dozer hydraulic tilt, ripper controls, light-duty Radiator Shell or optional oil-bath air cleaner.

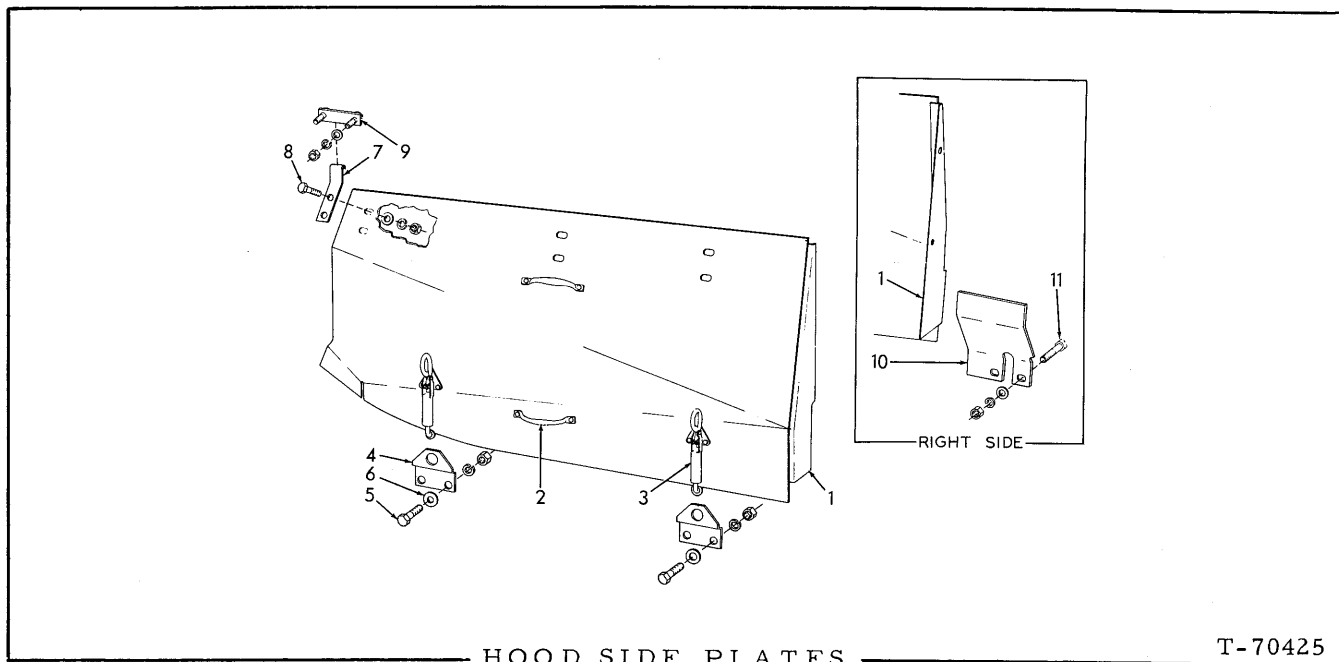
* Units with standard or cable radiator guard
 ** Units with hydraulic radiator guard

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
1	638751	1	-	SCREEN, left
	644231	1	-	SCREEN, left (Includes fine-mesh screen)
	638752	1	-	SCREEN, right
	644222	1	-	SCREEN, right (Includes fine-mesh screen)
2	638753	-	1	SCREEN, left
	644229	-	1	SCREEN, left (Includes fine-mesh screen)
	638754	-	1	SCREEN, right
	644237	-	1	SCREEN, right (Includes fine-mesh screen)

(Continued)

ENGINE SIDE SCREENS (Continued)

ITEM	PART NO.	QTY.		DESCRIPTION
		*	**	
3	648307	2	2	ANGLE, front latching bracket
4	070469	4	4	CAPSCREW, 1/2"NF x 1-1/4"
	904208	4	4	LOCKWASHER, 1/2"
	911043	4	4	NUT, 1/2"NF
5	091063	4	4	BRACKET, latching
6	203188	8	8	CAPSCREW, 3/8"NF x 1-1/2"
	044973	16	16	WASHER, plain
	904206	8	8	LOCKWASHER, 3/8"
	911041	8	8	NUT, 3/8"NF
7	093401	4	4	LATCH ASSEMBLY (Serviced only as a unit)
	911041	8	8	NUT, 3/8"NF
8	631426	6	6	PLATE, screen latching, top
	044973	12	12	WASHER, plain
	904206	12	12	LOCKWASHER, 3/8"
	911041	12	12	NUT, 3/8"NF
9	638678	1	1	PLATE, closure, rear, right side
10	035073	2	2	CAPSCREW, 1/2"NF x 1-3/4"
	064531	2	2	WASHER, plain
	904208	2	2	LOCKWASHER, 1/2"
	911043	2	2	NUT, 1/2"NF
11	641321	2	2	ANGLE, rear latching bracket
12	070469	4	4	CAPSCREW, 1/2"NF x 1-1/4"
	904208	4	4	LOCKWASHER, 1/2"
	911043	4	4	NUT, 1/2"NF



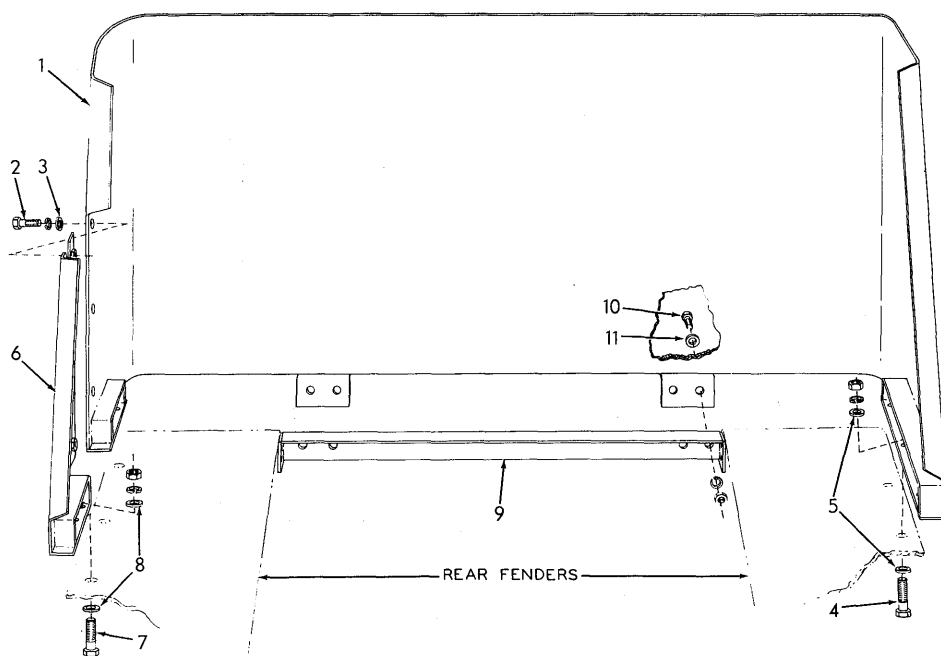
USAGE: Special equipment. For tractors equipped with hydraulic radiator guard only. Not for units equipped with dozer hydraulic tilt or ripper controls or with optional oil-bath air cleaner.

ITEM PART NO. QTY. DESCRIPTION

- | | | | | |
|---|---|--------|---|----------------------------|
| { | 1 | 638675 | 1 | PLATE ASSEMBLY, left side |
| | | 638676 | 1 | PLATE ASSEMBLY, right side |

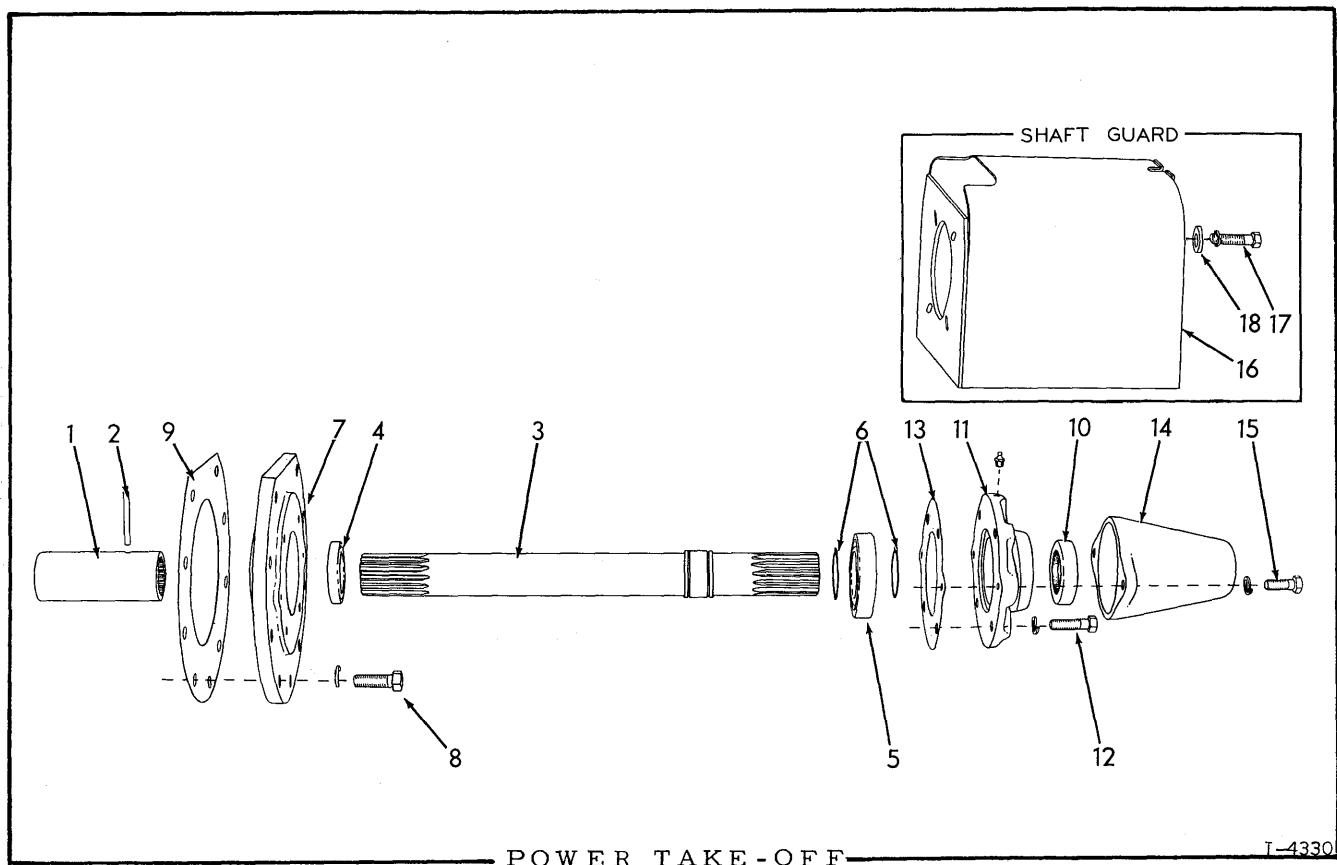
NOTE: Each Plate Assembly listed above includes items 2 and 3.

- | | | | |
|----|--------|----|--|
| 2 | 032834 | 4 | HANDLE, lifting |
| | 900764 | 8 | RIVET, fl-hd., 3/16" x 1/2" |
| 3 | 033060 | 4 | FASTENER |
| | 900764 | 12 | RIVET, fl-hd., 3/16" x 1/2" |
| 4 | 091805 | 4 | BRACKET, latching |
| 5 | 070469 | 8 | CAPSCREW, 1/2"NF x 1-1/4" |
| 6 | 064531 | 8 | WASHER, plain |
| | 904208 | 8 | LOCKWASHER, 1/2" |
| | 911043 | 8 | NUT, 1/2"NF |
| 7 | 638677 | 6 | STRAP, suspension |
| 8 | 035167 | 12 | CAPSCREW, 3/8"NF x 7/8" |
| | 044973 | 12 | WASHER, plain |
| | 904206 | 12 | LOCKWASHER, 3/8" |
| | 911041 | 12 | NUT, 3/8"NF |
| 9 | 631426 | 6 | PLATE, suspension strap |
| | 044973 | 12 | WASHER, plain |
| | 904206 | 12 | LOCKWASHER, 3/8" |
| | 911041 | 12 | NUT, 3/8"NF |
| 10 | 638678 | 1 | PLATE, closure, rear (right side only) |
| 11 | 035073 | 2 | CAPSCREW, 1/2"NF x 1-3/4" |
| | 064531 | 2 | WASHER, plain |
| | 904208 | 2 | LOCKWASHER, 1/2" |
| | 911043 | 2 | NUT, 1/2"NF |



USAGE: Special equipment. For tractors engaged in logging operations. Requires reinforced fenders for installation

ITEM	PART NO.	QTY.	DESCRIPTION
1	651055	1	GUARD (large)
2	035190	3	CAPSCREW, 1/2"NC x1-1/2"
3	064531	3	WASHER, plain
	904208	3	LOCKWASHER, 1/2"
4	035248	5	CAPSCREW, 5/8"NF x 2-1/4"
5	064810	10	WASHER, plain
	904209	5	LOCKWASHER, 5/8"
	911044	5	NUT, 5/8"NF
6	648278	1	GUARD (small)
7	035248	2	CAPSCREW, 5/8"NF x 2-1/4"
8	064810	4	WASHER, plain
	904209	2	LOCKWASHER, 5/8"
	911044	2	NUT, 5/8"NF
9	651015	1	ANGLE, guard supporting (Replaces standard ANGLE 650819)
10	035073	4	CAPSCREW, 1/2"NF x 1-3/4"
11	064531	4	WASHER, plain
	904208	4	LOCKWASHER, 1/2"
	911043	4	NUT, hex, 1/2"NF



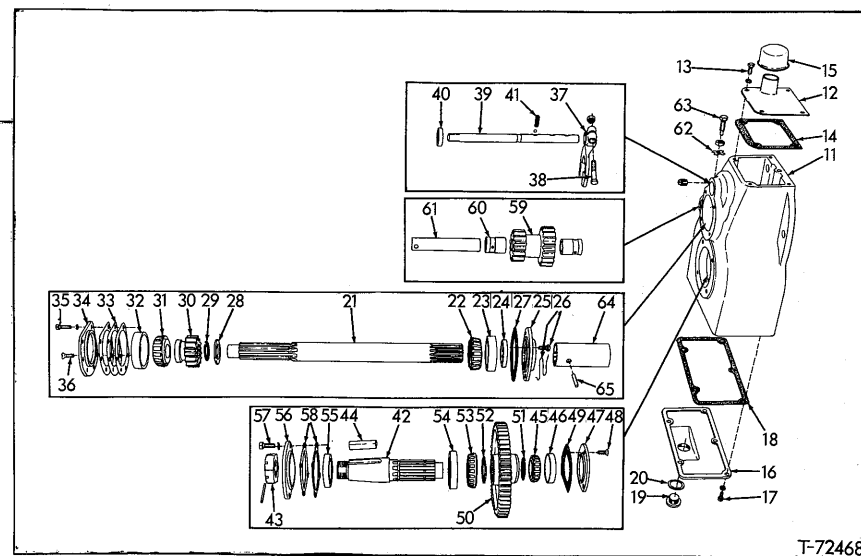
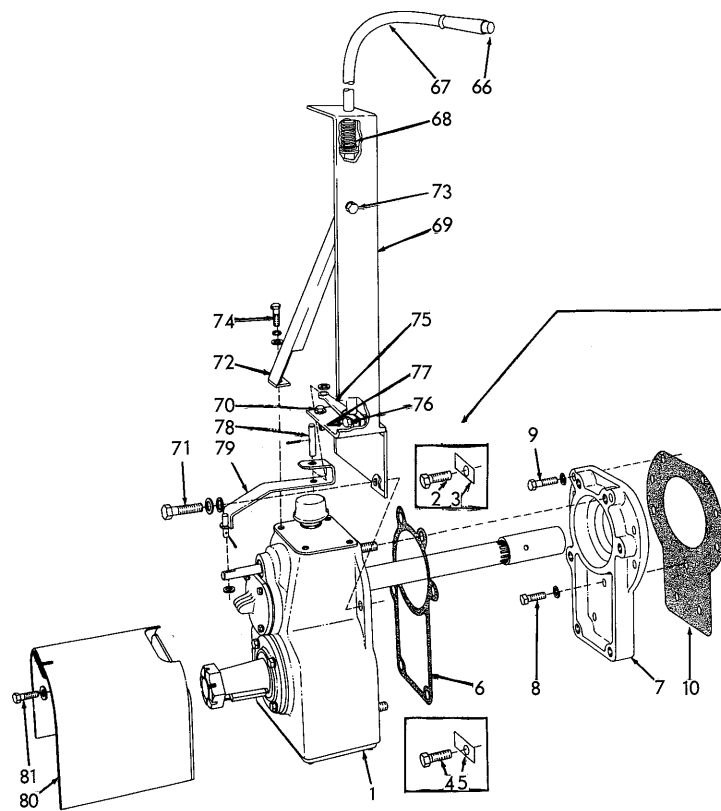
USAGE: Special equipment. Runs at engine speed

ITEM	PART NO.	QTY.	DESCRIPTION
1	068388	1	COUPLING, front
2	621171	1	PIN, rivet, coupling retaining
3	068480	1	SHAFT, coupling
4	037676	1	SEAL, oil, inner
5	067566	1	BEARING, ball
6	058274	2	RING, snap
7	068488	1	CAGE, coupling shaft bearing
8	036707	9	CAPSCREW, 5/8"NC x 1-3/4"
	904209	9	LOCKWASHER, 5/8"
9	068487	1	GASKET, coupling shaft bearing cage
10	068491	1	SEAL, oil, outer
11	068490	1	RETAINER, oil seal
	914465	1	FITTING, lubricating, straight, 1/8"NPT
12	035236	4	CAPSCREW, 1/2"NC x 1-3/4" (Replaced by 921556 CAPSCREW when coupling shaft guard is used. See item 16)
	904208	4	LOCKWASHER, 1/2"

(Continued)

POWER TAKE-OFF (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
13	068489	1	GASKET, oil seal retainer
14	055529	1	COVER, shaft protecting
15	035061	2	CAPSCREW, 1/2"NC x 1-1/4"
	904208	2	LOCKWASHER, 1/2"
16	078482	1	GUARD, coupling shaft (When installed, item 14 is discarded)
17	921556	4	CAPSCREW, 1/2"NC x 2"
	904208	4	LOCKWASHER, 1/2"
18	064531	4	WASHER, plain



T-72468

POWER TAKE-OFF

USAGE: Special equipment. Operates at 431 rpm clockwise and 334 rpm counter-clockwise.

ITEM	PART NO.	QTY.	DESCRIPTION
1	642544	1	TAKE-OFF ASSEMBLY, power (Consists of items 11 thru 65)
2	070792	2	CAPSCREW, 3/4"NC x 2-1/2"
3	011100	2	LOCK, capscREW
4	202283	3	CAPSCREW, 3/4"NC x 2-1/4"
	904369	1	LOCKWASHER, 3/4"
5	012238	2	LOCK, capscREW
6	068324	1	GASKET, gear case to spacer
7	068329	1	SPACER, power take-off
8	036707	7	CAPSCREW, 5/8"NC x 1-3/4"
	904209	7	LOCKWASHER, 5/8"
9	023755	2	CAPSCREW, 5/8"NC x 2-1/4"
	904209	2	LOCKWASHER, 5/8"
10	068323	1	GASKET, spacer to steering clutch housing
11	044957	1	HOUSING, gear
	901653	1	PLUG, pipe, 3/8"NPT
12	638589	1	COVER, top
13	035244	1	CAPSCREW, 3/8"NC x 3/4"
	904206	1	LOCKWASHER, 3/8"
14	033393	1	GASKET, top cover
15	200267	1	CAP, filler
16	044968	1	COVER, bottom
17	013058	5	CAPSCREW, 3/8"NC x 1-1/4"
	904206	5	LOCKWASHER, 3/8"
18	044969	1	GASKET, bottom cover
19	035250	1	PLUG, drain
20	035249	1	GASKET, drain plug
21	059869	1	SHAFT, input
22	061087	1	CONE ASSEMBLY, input shaft front bearing
23	061088	1	CUP, input shaft front bearing
24	037676	1	SEAL, input shaft front bearing
25	068326	1	RETAINER, front bearing
26	013044	4	CAPSCREW, drilled-hd., 3/8"NC x 7/8"
	023756	1	WIRE, locking, 1/16" x 26"
27	032754	1	GASKET, front bearing retainer
28	030965	1	SPACER, front bearing
29	050293	1	RING, snap, front bearing
30	044979	1	PINION, input shaft (14 teeth)
31	043006	1	CONE ASSEMBLY, input shaft rear bearing

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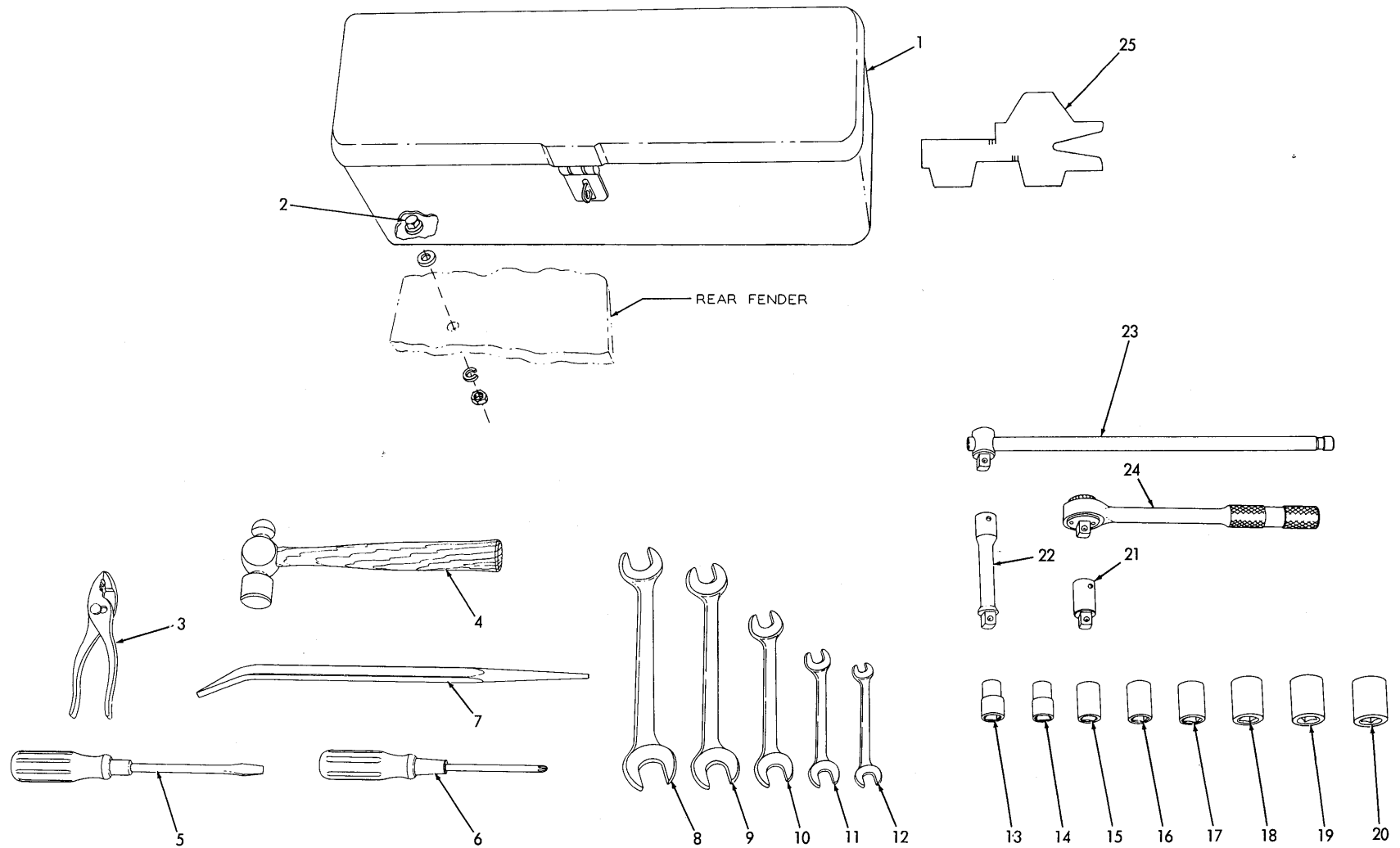
POWER TAKE-OFF (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION	
32	211567	1	CUP, input shaft rear bearing	
33	032747	3	SHIM, input shaft bearing adjustment (.005" thick)	} Use as required
	032748	5	SHIM, input shaft bearing adjustment (.010" thick)	
	032749	3	SHIM, input shaft bearing adjustment (.020" thick)	
34	047603	1	RETAINER, input shaft rear bearing	
35	013058	3	CAPSCREW, 3/8"NC x 1-1/4"	
	904206	3	LOCKWASHER, 3/8"	
36	070192	1	CAPSCREW, flat-hd., 3/8"NC x 7/8"	
37	044967	1	FORK, shifting	
38	046419	1	CAPSCREW, shifting fork	
	913528	1	NUT, elastic stop, 3/8"NF	
39	044980	1	SHAFT, shifting fork	
	905361	1	BALL, steel, 7/16" diam.	
40	030504	1	SEAL, oil, shifting fork shaft	
41	021537	1	SPRING, shifting shaft locking ball	
42	044976	1	SHAFT, output	
43	013207	1	NUT, output shaft (slotted, 2"EF thread)	
	904007	1	PIN, cotter, 3/16" x 3"	
44	032764	1	KEY, output shaft (1/16" x 3")	
45	043000	1	CONE ASSEMBLY, output shaft front bearing	
46	211608	1	CUP, output shaft front bearing	
47	032751	1	RETAINER, output shaft front bearing	
48	036283	3	CAPSCREW, flat-hd., 1/2"NC x 1-1/8"	
49	032753	1	GASKET, bearing retainer	
50	032780	1	GEAR, output shaft (52 teeth)	
51	044978	1	RING, snap, output shaft gear	
52	032762	1	RING, output shaft rear bearing (2 matched halves)	
53	043002	1	CONE ASSEMBLY, output shaft rear bearing	
54	043001	1	CUP, output shaft rear bearing	
55	629040	1	SEAL, oil, output shaft rear bearing	
56	032752	1	RETAINER, output shaft rear bearing	
57	035061	4	CAPSCREW, 1/2"NC x 1-1/4" (Replaced by 035236 CAPSCREW when power shaft guard is used)(See item 81)	
	904208	4	LOCKWASHER, 1/2"	
58	032946	12	SHIM, rear bearing adjustment (.005" thick)	} Use as required
	032944	3	SHIM, rear bearing adjustment (.020" thick)	

(Continued)

POWER TAKE-OFF (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
59	044982	1	GEAR ASSEMBLY, reverse (Includes item 60)
60	044984	2	BUSHING, reverse gear
61	044970	1	SHAFT, reverse gear
62	035196	1	LOCK, setscrew
63	035188	1	SETSCREW, hex-hd., taper pt., 1/2"NC x 1-5/8"
	911035	1	NUT, jam, 1/2"NC
64	068388	1	COUPLING, splined
65	621171	1	PIN, rivet, coupling retaining
66	626984	1	GRIP, control rod
67	638597	1	ROD, control
	911179	1	PIN, cotter, 1/4" x 1-1/4"
	900820	1	WASHER, U.S. std., 3/4"
68	090487	1	SPRING, control rod
69	651011	1	BRACKET, control rod
70	013058	2	CAPSCREW, 3/8"NC x 1-1/4"
	904206	2	LOCKWASHER, 3/8"
	044973	2	WASHER, plain
71	606891	1	CAPSCREW, 3/4"NC x 2-3/4"
	904369	1	LOCKWASHER, 3/4"
	061689	1	WASHER, plain
72	642542	1	BRACE, control rod bracket
73	012992	1	CAPSCREW, 3/8"NF x 1-1/4"
	044973	2	WASHER, plain
	904206	1	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8"NF
74	013058	1	CAPSCREW, 3/8"NC x 1-1/4"
	904206	1	LOCKWASHER, 3/8"
	044973	1	WASHER, plain
75	611972	1	LEVER, control
	905122	1	KEY, #7 woodruff, 1/8" x 3/4"
76	035336	1	CAPSCREW, 3/8"NF x 1-3/4"
	904206	1	LOCKWASHER, 3/8"
	911041	1	NUT, 3/8"NF
77	061689	1	WASHER, control lever
78	638576	1	PIN, control lever
	900817	1	WASHER, U.S. std., 3/8"
	900805	1	PIN, cotter, 1/8" x 3/4"
79	638583	1	ARM, shifting
	911115	1	WASHER, plain, SAE std., 3/8"
	900942	1	PIN, cotter, 3/32" x 5/8"
80	078482	1	GUARD, power shaft
81	035236	4	CAPSCREW, 1/2"NC x 1-3/4"
	064531	4	WASHER, plain

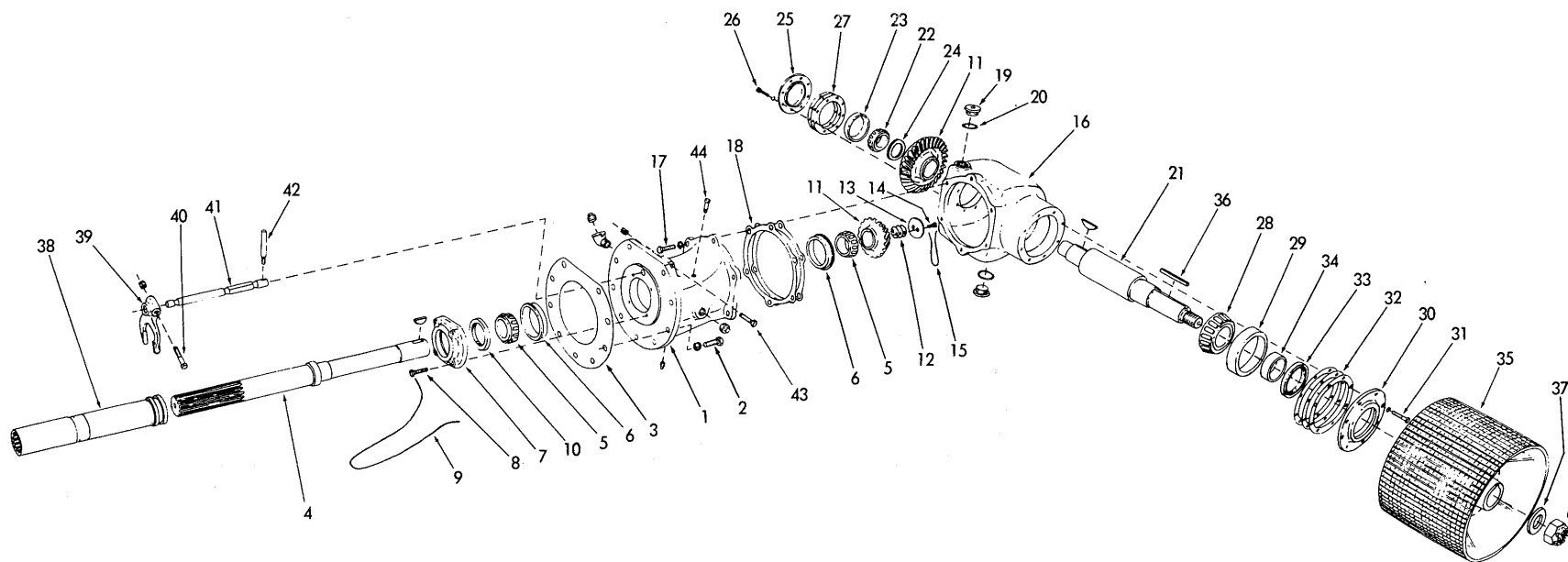


SPECIAL TOOLS

ITEM PART NO. QTY. DESCRIPTION

NOTE: For other recommended service tools, see Service Tool Manual Form 650850

1	604943	1	BOX, tool (Mounts on right track fender)
2	012992	4	CAPSCREW, 3/8"NF x 1-1/4"
	911115	4	WASHER, plain, SAE std., 3/8"
	904206	4	LOCKWASHER, 3/8"
	911041	4	NUT, 3/8"NF
	630753	4	WASHER, plain (For spacing)
3	012389	1	PLIERS, slip joint, 6"
4	012387	1	HAMMER, ball peen, 1 lb.
5	036268	1	SCREWDRIVER, 9-3/4" long
6	914732	1	SCREWDRIVER, Phillips #2
7	052371	1	BAR, pinch, 16" long
8	050611	1	WRENCH, open end, double head, 15°, 15/16" and 1-1/16"
9	050610	1	WRENCH, open end, double head, 15°, 3/4" and 7/8"
10	050609	1	WRENCH, open end, double head, 15°, 5/8" and 3/4"
11	050608	1	WRENCH, open end, double head, 15°, 1/2" and 9/16"
12	050607	1	WRENCH, open end, double head, 15°, 3/8" and 1/2"
13	914709	1	SOCKET, 1/2" square drive, 1/2" hex
14	914710	1	SOCKET, 1/2" square drive, 9/16" hex
15	914711	1	SOCKET, 1/2" square drive, 5/8" hex
16	914712	1	SOCKET, 1/2" square drive, 11/16" hex
17	914713	1	SOCKET, 1/2" square drive, 3/4" hex
18	914714	1	SOCKET, 1/2" square drive, 7/8" hex
19	914715	1	SOCKET, 1/2" square drive, 15/16" hex
20	914716	1	SOCKET, 1/2" square drive, 1" hex
21	914717	1	BAR, extension, socket, 1/2" drive, 2" long
22	914718	1	BAR, extension, socket, 1/2" drive, 5" long
23	050612	1	HANDLE, socket, sliding T, 1/2" square drive, 15" long
24	914719	1	HANDLE, socket, ratchet, 1/2" square drive
25	644400	1	GAUGE, wear (Provides maximum wear tolerances for track rails, grouser shoes, sprockets, idlers and track wheels)



POWER PULLEY

T-10720

POWER PULLEY

USAGE: Special equipment

ITEM	PART NO.	QTY.	DESCRIPTION
1	068631	1	SPACER
	910023	1	ELBOW, street, 45°, 3/4"NPT
	912726	2	PLUG, pipe, 3/4"NPT
	901652	1	PLUG, pipe, 1/4"NPT
2	036707	9	CAPSCREW, 5/8"NC x 1-3/4"
	904209	9	LOCKWASHER, 5/8"
3	068487	1	GASKET, spacer to transmission case
4	068630	1	SHAFT, input
5	043004	2	CONE ASSEMBLY, input shaft bearing
6	043003	2	CUP, input shaft bearing
7	032325	1	RETAINER, input shaft front bearing
8	021527	4	CAPSCREW, drilled-hd., 3/8"NC x 1-5/8"
9	023756	1	WIRE, locking, 1/16" x 26"
10	032347	1	SEAL, oil, input shaft
11	042658	1	GEAR SET (Consists of 1 PINION (18 teeth) and 1 GEAR (31 teeth))
	910851	1	KEY, #G woodruff, 3/8" x 1-1/2"
	911190	1	KEY, #T woodruff, 3/8" x 2-3/8"
12	036093	3	SHIM, bearing adjustment (.005" thick. Use as required)
	036094	3	SHIM, bearing adjustment (.010" thick. Use as required)
	036095	4	SHIM, bearing adjustment (.020" thick. Use as required)
13	032358	1	WASHER, pinion retaining
14	013044	2	CAPSCREW, drilled-hd., 3/8"NC x 7/8"
15	023633	1	WIRE, locking, 1/16" x 12"
16	032335	1	CASE, output shaft
17	035236	6	CAPSCREW, 1/2"NC x 1-3/4"
	904208	6	LOCKWASHER, 1/2"
18	032939	12	SHIM, pinion adjustment (.005" thick. Use as required)
	032941	3	SHIM, pinion adjustment (.020" thick. Use as required)
19	035250	2	PLUG, filling and draining
20	035249	2	GASKET, filling and draining plug
21	042659	1	SHAFT, output
22	043004	1	CONE ASSEMBLY, output shaft bearing, inner
23	211567	1	CUP, output shaft bearing, inner
24	032336	1	SPACER, output shaft inner bearing

(Continued)

POWER PULLEY (Continued)

ITEM	PART NO.	QTY.	DESCRIPTION
25	032331	1	RETAINER, output shaft inner bearing
26	013058	8	CAPSCREW, 3/8"NC x 1-1/4"
	904206	8	LOCKWASHER, 3/8"
27	036140	3	SHIM, gear adjustment (.005" thick. Use as req'd)
	036142	3	SHIM, gear adjustment (.010" thick. Use as req'd)
	036141	4	SHIM, gear adjustment (.020" thick. Use as req'd)
28	042873	1	CONE ASSEMBLY, output shaft bearing, outer
29	042898	1	CUP, output shaft bearing, outer
30	032312	1	RETAINER, output shaft outer bearing
31	013058	8	CAPSCREW, 3/8"NC x 1-1/4"
	904206	8	LOCKWASHER, 3/8"
32	028113	3	SHIM, bearing adjustment (.005" thick. Use as req'd)
	028115	5	SHIM, bearing adjustment (.010" thick. Use as req'd)
	028114	4	SHIM, bearing adjustment (.020" thick. Use as req'd)
33	032341	1	SEAL, oil, output shaft
34	032345	1	SPACER, output shaft outer bearing
35	077175	1	PULLEY, driving (13-3/8" diam.)
36	032342	1	KEY, driving pulley
37	071209	1	WASHER, pulley retaining
	911058	1	NUT, castle, 1-1/2"NF
	904006	1	PIN, cotter, 3/16" x 2-3/4"
38	068629	1	SHIFTER, coupling
39	068632	1	FORK, coupling shifter
40	046419	1	CAPSCREW, 3/8"NF x 2"
	913528	1	NUT, elastic stop, 3/8"NF
41	032326	1	SHAFT, coupling shifter fork
42	038563	1	HANDLE, operating, shifter fork
43	046419	1	CAPSCREW, 3/8"NF x 2"
	913528	1	NUT, elastic stop, 3/8"NF
44	051447	1	BREATHING ASSEMBLY (Serviced only as a unit)

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