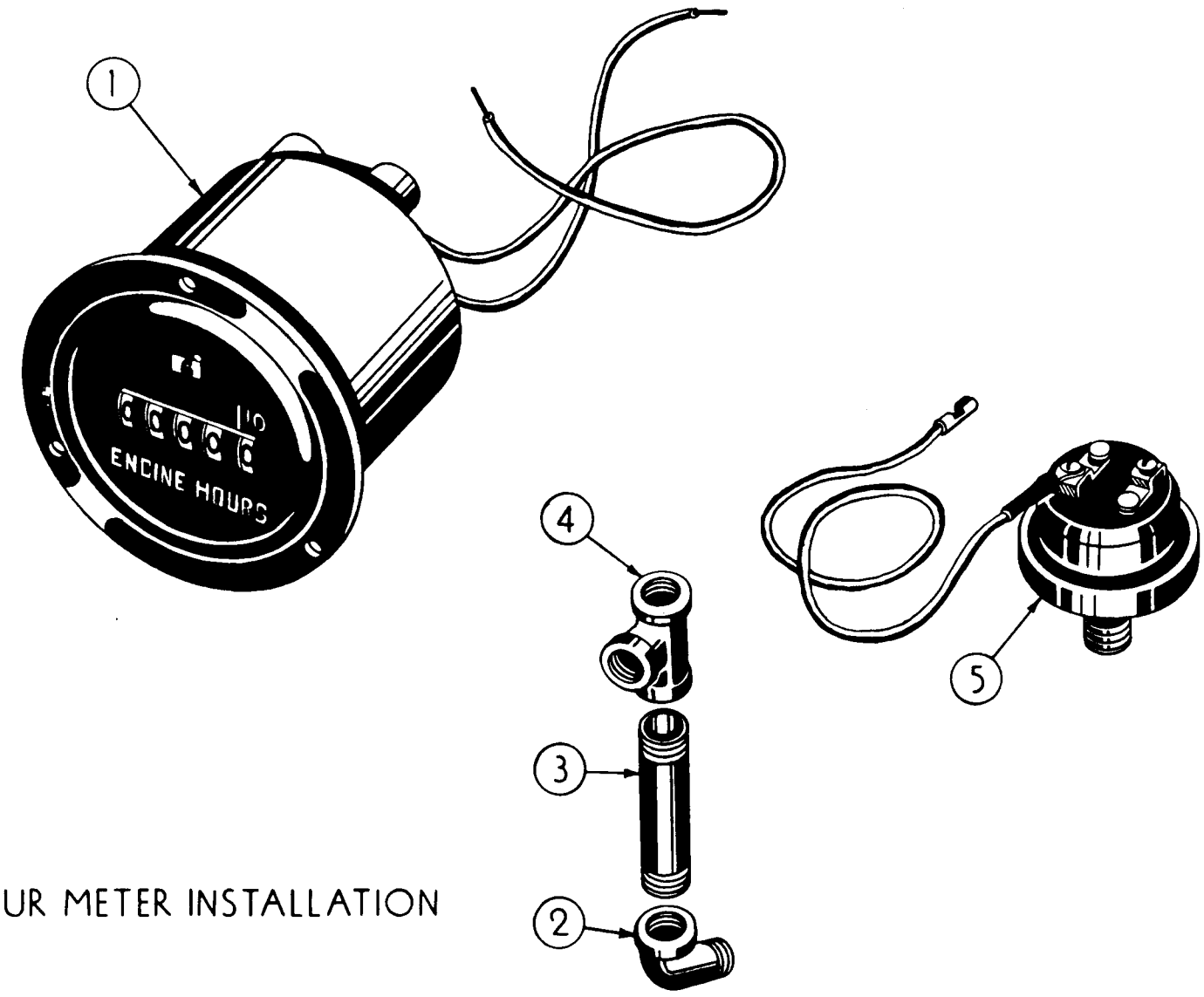
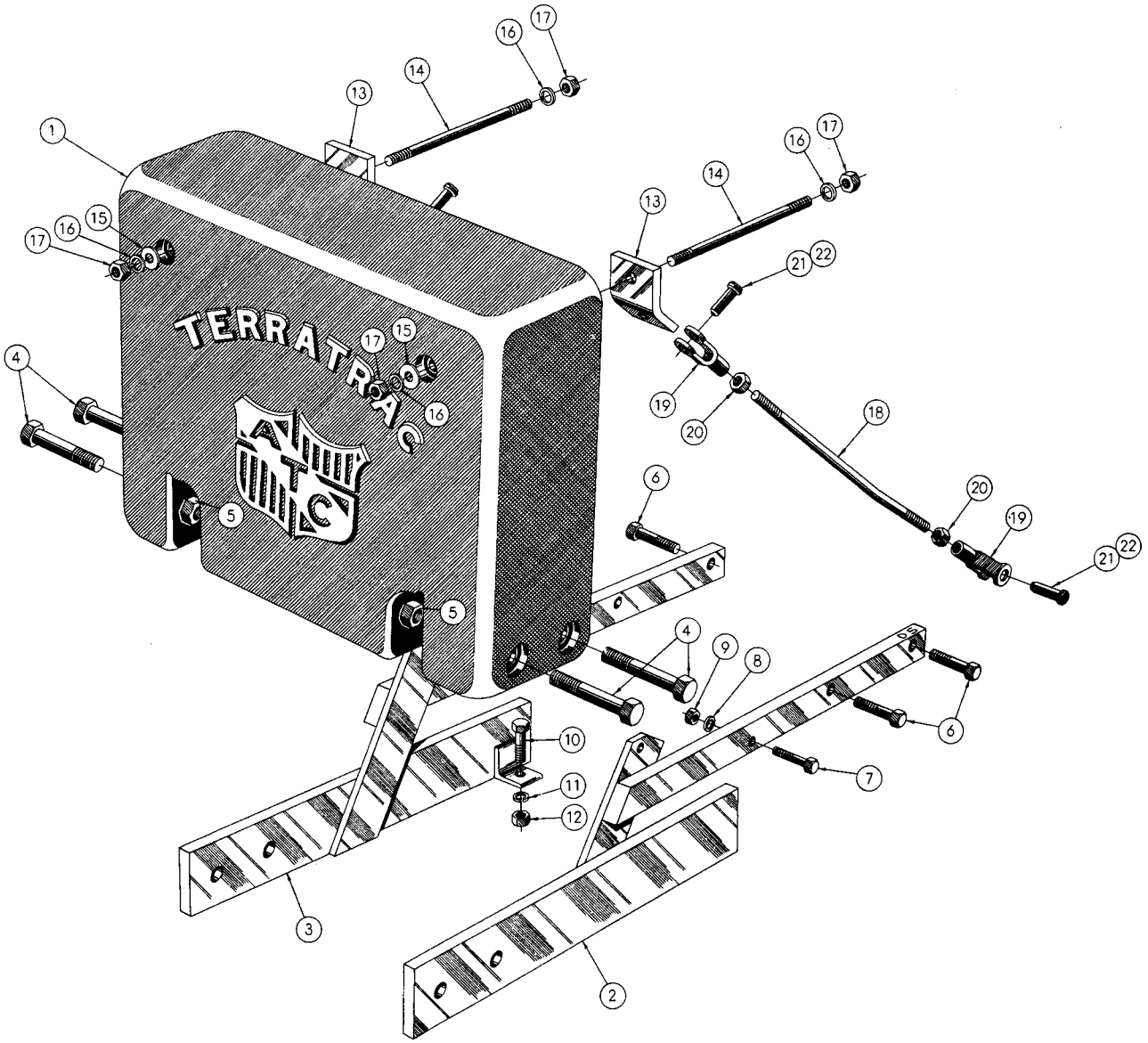


HOUR METER INSTALLATION

HOUR METER INST.

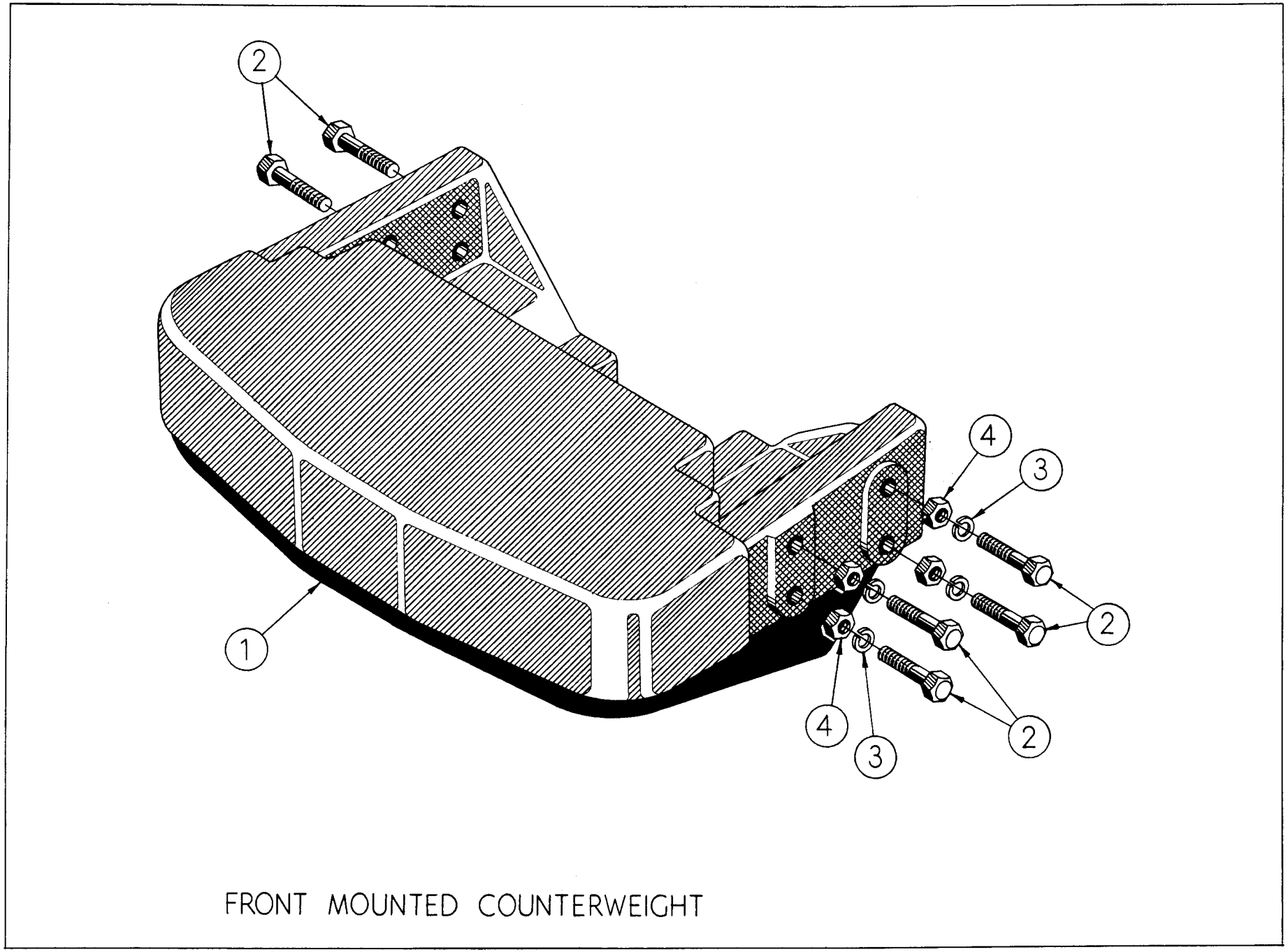
REF.	GROUP NO.	PART NO.	DESCRIPTION	REQ'D
	6045		HOUR METER INST. (INC. REF. # 1 THRU 7)	1
1		33267	HOUR METER ASS'Y	1
2		41670	STREET ELBOW 90° - 1/8 NP	1
3		41415	PIPE NIPPLE - 1/8 NP X 1-1/2	1
4		41580	PIPE TEE - 1/8 NP	1
5		10953	PRESSURE SWITCH ASS'Y	1
6		32395	BULLET - WIRING (NOT SHOWN)	1
7		49792	TERMINAL (NOT SHOWN)	1



COUNTERWEIGHT INSTALLATION

COUNTERWEIGHT INST.

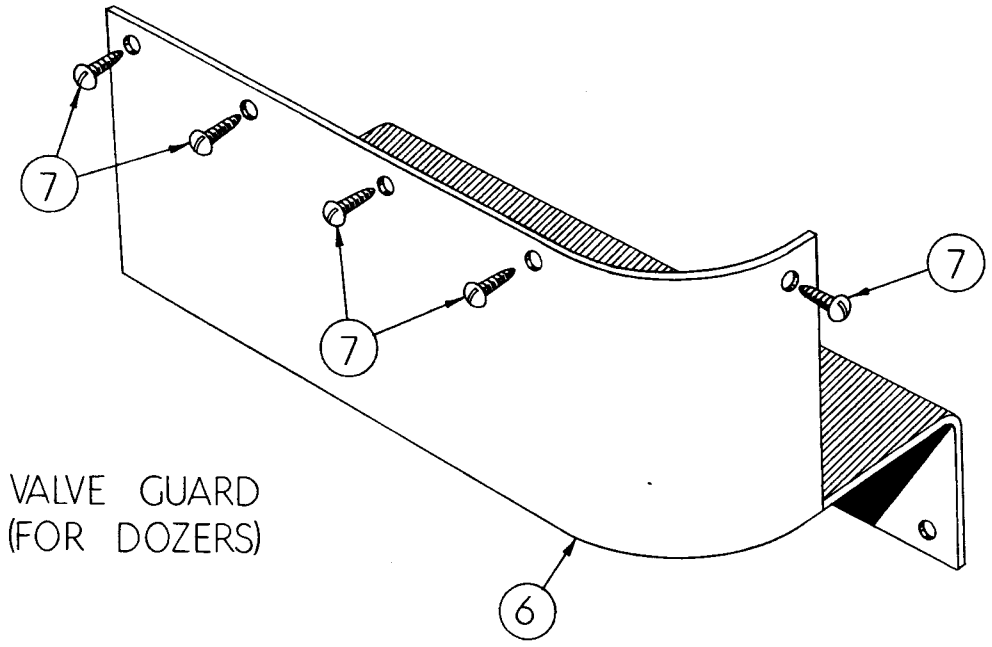
REF.	GROUP NO.	PART NO.	DESCRIPTION	REQ'D
	7479		COUNTERWEIGHT INST. (INC. REF. # 1 THRU 22)	1
1		31112	COUNTERWEIGHT	1
2		34459	COUNTERWEIGHT MOUNTING ASS'Y - RH	1
3		34460	COUNTERWEIGHT MOUNTING ASS'Y - LH	1
4		45846	HHCS 1" - 14 NF X 5-1/2 (31112 MT'G)	4
5		17585	LOCKNUT (1"-14 NF)	4
6		45763	HHCS 5/8 - 18 NF X 2-3/4 (34459 & 34460 MT'G)	4
7		45711	HHCS 1/2 - 20 NF X 2-1/4 (34459 & 34460 MT'G)	2
8		48448	LOCKWASHER - MED. SEC.	2
9		48104	HEX NUT - REG. S.F.	2
10		45758	HHCS 5/8 - 18 NF X 1-1/2 (34459 & 34460 MT'G)	2
11		48450	LOCKWASHER - MED. SEC.	2
12		48106	HEX NUT - REG. S.F.	2
13		32167	ATTACHING STRAP	2
14		32169	HOLDING ROD	2
15		48428	PLAINWASHER	2
16		48448	LOCKWASHER - MED. SEC.	4
17		48104	HEX NUT - REG. S.F.	4
18		33432	ROD BRACE	2
19		48605	ADJUSTABLE YOKE END	4
20		48104	HEX NUT - REG. S.F.	4
21		48665	YOKE PIN - S.A.E. STANDARD	4
22		48695	COTTER PIN - 1/8 DIA. X 1	4



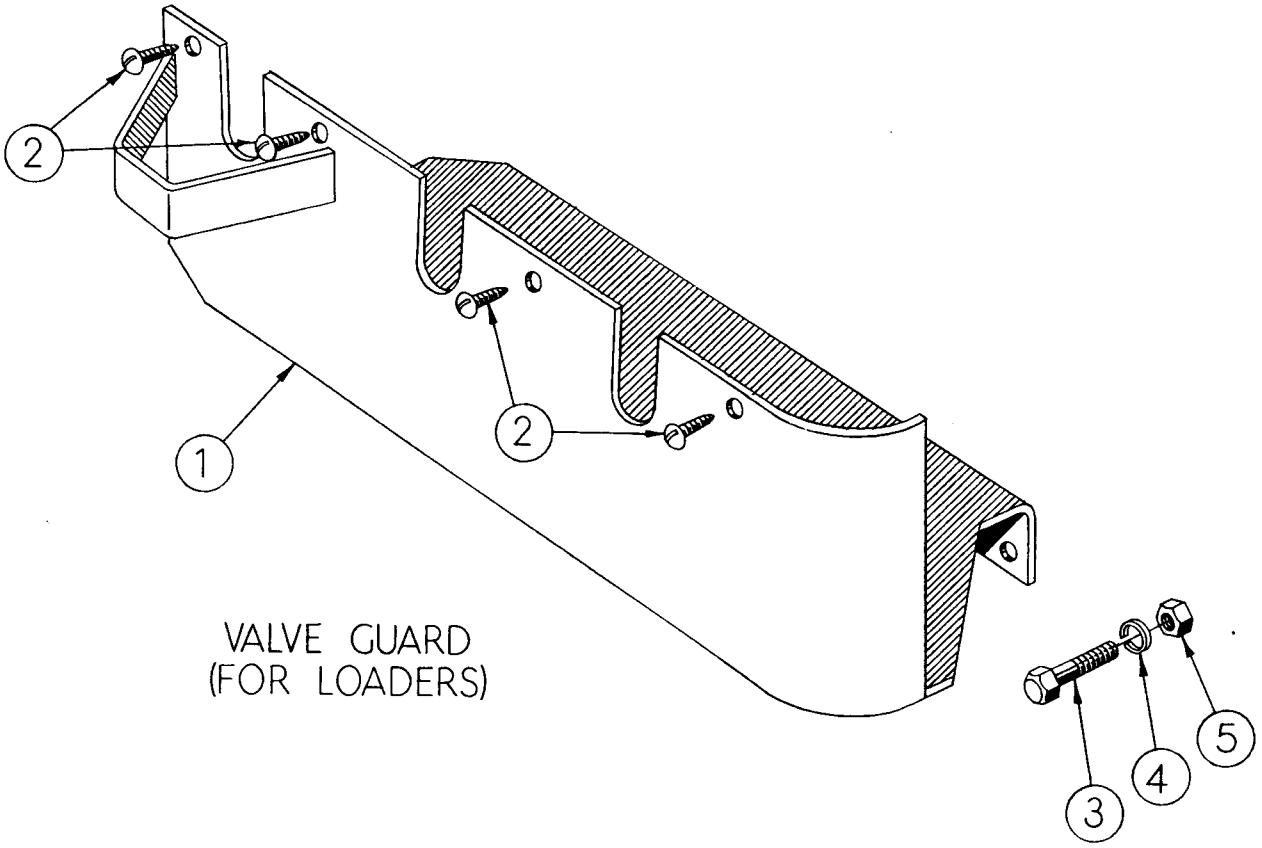
FRONT MOUNTED COUNTERWEIGHT

FRONT COUNTERWEIGHT INST.

REF.	GROUP NO.	PART NO.	DESCRIPTION	REQ'D
	6158		FRONT COUNTERWEIGHT INST. (INC. REF. # 1 THRU 4)	
1		31989	FRONT COUNTERWEIGHT	1
2		45712	HHCS 1/2 - 20 NF X 2-1/2 (31989 MT'G)	8
3		48448	LOCKWASHER - MED. SEC.	8
4		48104	HEX NUT - REG. S.F.	8



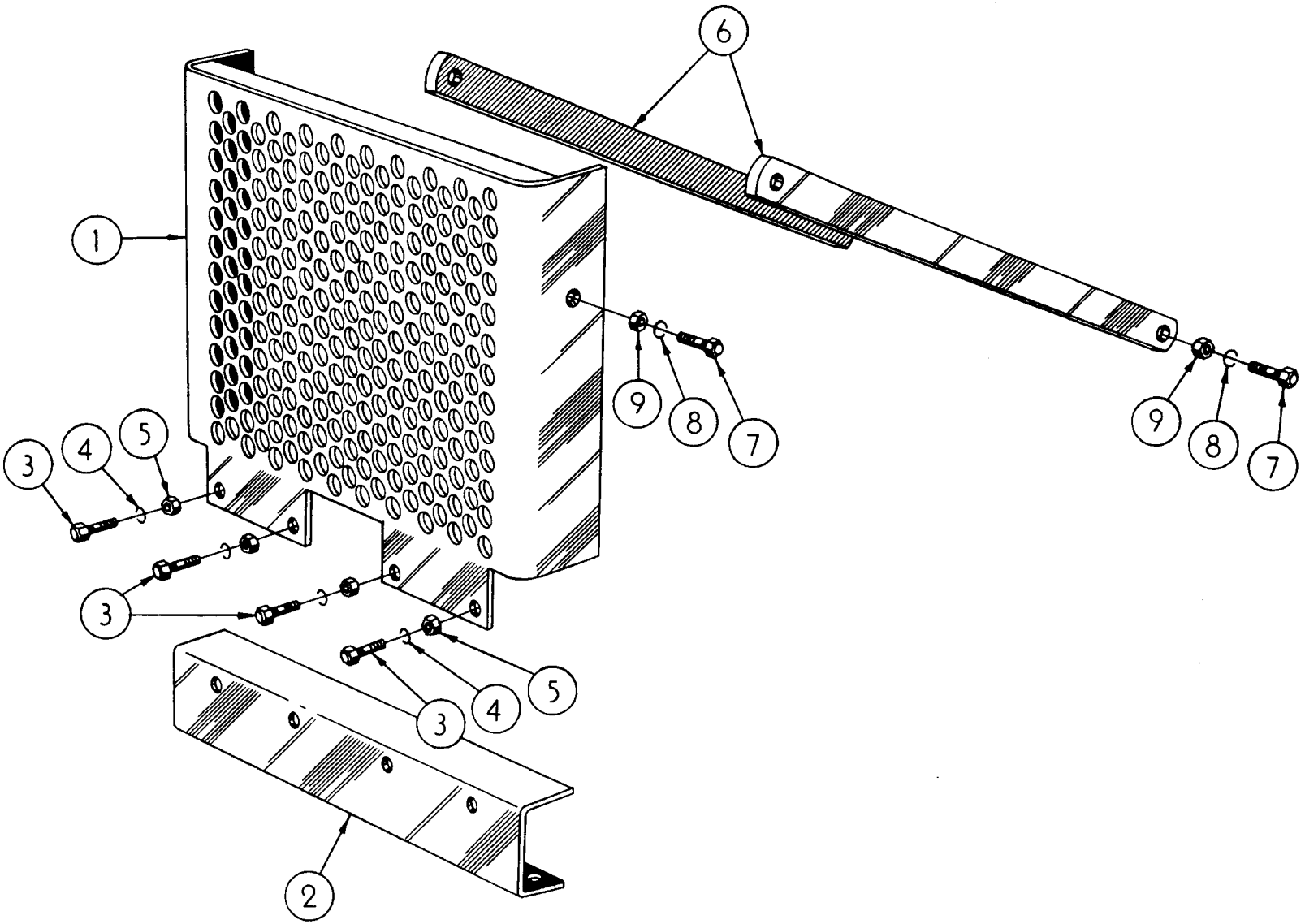
VALVE GUARD
(FOR DOZERS)



VALVE GUARD
(FOR LOADERS)

VALVE GUARDS

REF.	GROUP NO.	PART NO.	DESCRIPTION	REQ'D
	6105		VALVE GUARD INST. (FOR LOADERS) (INC. REF. # 1 THRU 5)	1
1		33984	VALVE GUARD ASS'Y	1
2		47735	SELF TAPPING SCREW (33984 MT'G)	4
3		45654	HHCS 3/8 - 24 NF X 3/4 (33984 MT'G)	2
4		48446	LOCKWASHER - MED. SEC.	2
5		48102	HEX NUT - REG. S.F.	2
	6129		VALVE GUARD INST. (FOR DOZERS) (INC. REF. # 6 & 7)	1
6		34137	VALVE GUARD ASS'Y	1
7		47735	SELF TAPPING SCREW (34137 MT'G)	5



RADIATOR GUARD INSTALLATION

RADIATOR GUARD INST.

REF.	GROUP NO.	PART NO.	DESCRIPTION	REQ'D
	6240		RADIATOR GUARD INST. (INC. REF. #1 THRU)	
1		30988	RADIATOR GUARD ASS'Y	
2		31769	FRONT CROSSMEMBER	1
3		45707	HHCS 1/2 - 20 NF X 1-1/4 (30988 & 31769 MT'G)	4
4		48448	LOCKWASHER - MED. SEC.	4
5		48104	HEX NUT - REG. S.F.	4
6		30995	BRACE	2
7		45707	HHCS 1/2 - 20 NF X 1-1/4 (30995 MT'G)	4
8		48448	LOCKWASHER - MED. SEC.	4
9		48104	HEX NUT - REG. S.F.	4

MEMORANDUM

ALLIED EQUIPMENT

TERRALOAD'R

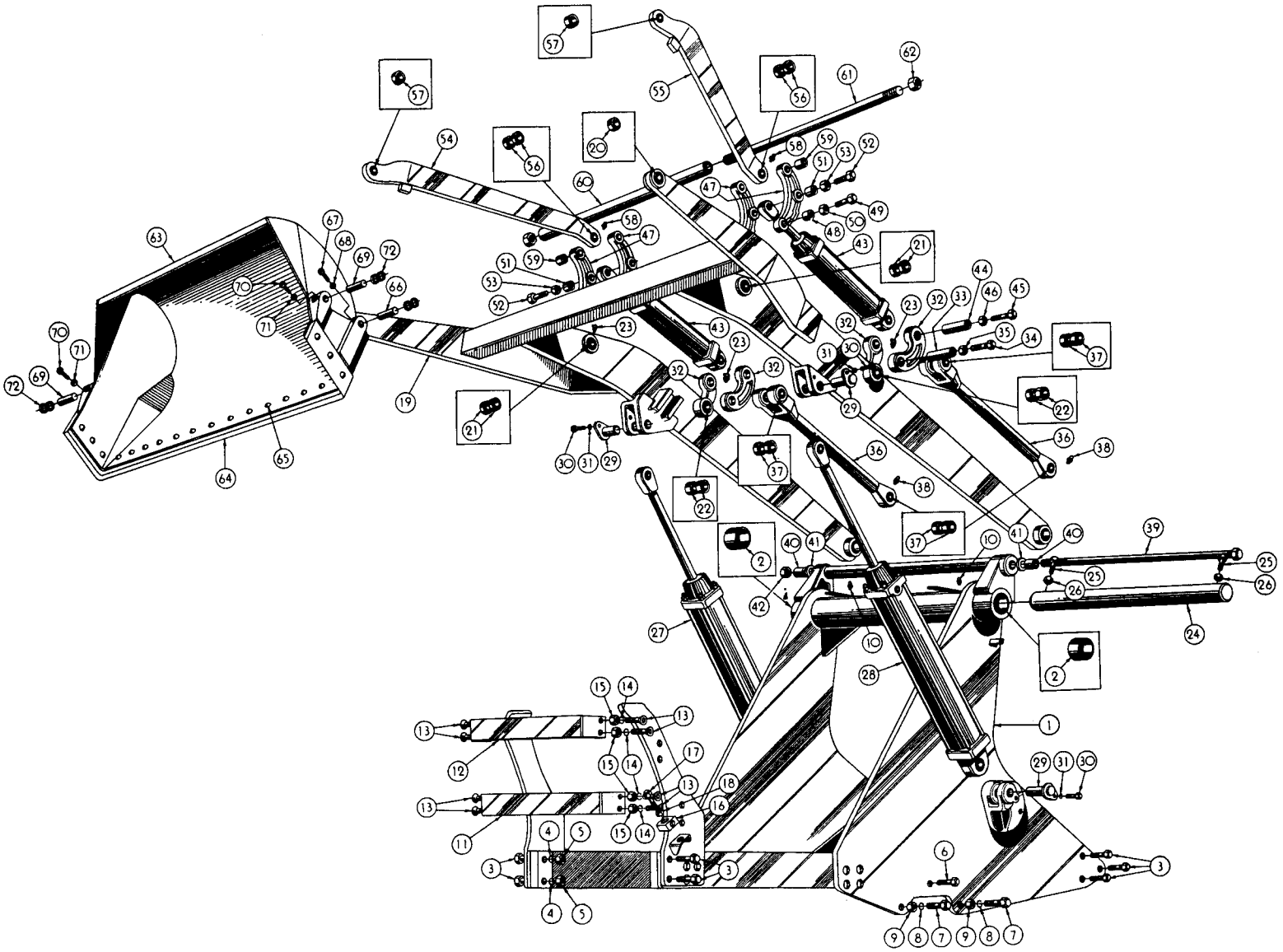
ANGLE DOZER

STRAIGHT DOZER

SCARIFIER

THREE POINT

POWER TAKE-OFF



TERRALOAD'R INSTALLATION

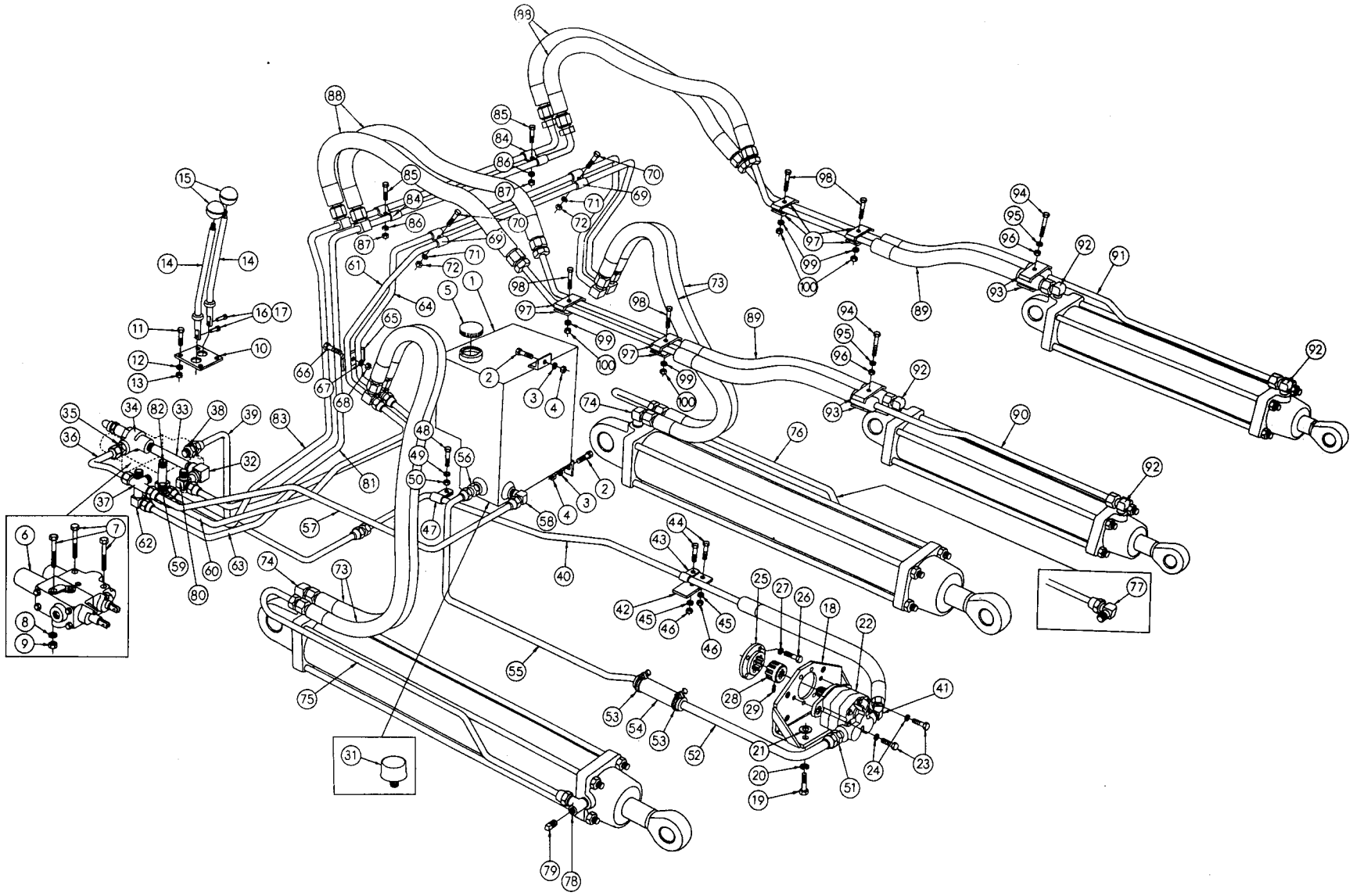
TERRALOAD'R INST.

REF.	GROUP NO.	PART NO.	DESCRIPTION	REQ'D
	6209		TERRALOAD'R INST.	
1		31337	MAIN FRAME ASS'Y (INC. REF. # 2)	1
2		31139	BUSHING	2
3		45764	HHCS 5/8 - 18 N.F. X 3 (31337 MT'G)	10
4		48450	LOCKWASHER - MED. SEC.	4
5		48106	HEX NUT - REG. S.F.	4
6		45761	HHCS 5/8 - 18 NF X 2-1/4 (31337 MT'G)	2
7		45786	HHCS 3/4 - 16 NF X 2-1/4 (31337 MT'G)	4
8		48452	LOCKWASHER - MED. SEC.	4
9		48107	HEX NUT- REG. S.F.	4
10		49200	GREASE FITTING - STRAIGHT - 1/8 NP	2
11		31162	RUB PLATE REINFORCEMENT	1
12		31618	RUB PLATE REINFORCEMENT	1
13		46924	FLAT HD. CAP SCREW 1/2 - 20 NF X 1-3/4 (31162 & 31618 MT'G)	8
14		48448	LOCKWASHER - MED. SEC.	8
15		48104	HEX NUT - REG.S.F.	8
16		31636	STOP BLOCK	2
17		45716	HHCS 1/2 - 20 NF X 3-1/2 (31636 MT'G)	2
18		17586	LOCKNUT (1/2 - 20 NF)	2
19		31306	MAIN ARM ASS'Y (INC. REF. # 20 THRU 22)	1
20		31149	BUSHING	2
21		30634	BUSHING	4
22		31323	BUSHING	4
23		49217	GREASE FITTING 90° - 1/8 NP	4
24		31318	SHAFT - MAIN ARM MT'G	1
25		45721	HHCS 1/2 - 20 NF X 5-1/2 (31318 MT'G)	2
26		17586	LOCKNUT (1/2 - 20 NF)	2
27		31608	HYDRAULIC CYLINDER ASS'Y - RH (SEE PAGE #121)	1
28		31609	HYDRAULIC CYLINDER ASS'Y - LH (SEE PAGE #121)	1
29		31109	PIN ASS'Y (31608 & 31609 MT'G)	4
30		45706	HHCS 1/2 - 20 NF X 1 (31109 MT'G)	4
31		48448	LOCKWASHER - MED. SEC.	4
32		70549	LEVER	4
33		31146	SPACER	2
34		45847	HHCS 1" - 14 NF X 6 (70549 MT'G)	2
35		17585	LOCKNUT (1" - 14 NF)	2

TERRALOAD'R INST. CONT'D

REF.	GROUP NO.	PART NO.	DESCRIPTION	REQ'D
36		34276	LEVELING ROD ASS'Y (INC. REF. # 37)	2
37		30634	BUSHING	4
38		49200	GREASE FITTING - STRAIGHT - 1/8 NP	2
39		31147	BOLT - LEVELING ROD PIVOT	1
40		30959	SPACER	2
41		48416	PLAINWASHER	2
42		17585	LOCKNUT (1" - 14 NF)	1
43		34128	HYDRAULIC CYLINDER ASS'Y (SEE PAGE #123)	2
44		31146	SPACER	2
45		45847	HHCS 1" - 14 NF X 6 (34276 & 34128 MT'G)	2
46		17585	LOCKNUT (1" - 14 NF)	2
47		30957	PIVOT LEVER - DUMP ARM	4
48		30959	SPACER	2
49		45843	HHCS 1" - 14 NF X 4 (30957 MT'G)	2
50		17585	LOCKNUT (1" - 14 NF)	2
51		30959	SPACER	2
52		45843	HHCS 1"-14 NF X 4 (34128 MT'G)	2
53		17585	LOCKNUT (1" - 14 NF)	2
54		34269	DUMP ARM ASS'Y - RH (INC. REF. # 56 & 57)	1
55		34270	DUMP ARM ASS'Y - LH (INC. REF. # 56 & 57)	1
56		30634	BUSHING	2
57		31148	BUSHING	1
58		49200	GREASE FITTING - STRAIGHT - 1/8 NP	2
59		30959	SPACER	2
60		31068	SPACER	1
61		33965	TIE ROD (34269 & 34270 MT'G)	1
62		17585	LOCKNUT (1" - 14 NF)	2
63		32649	BUCKET ASS'Y (INC. REF. # 64 & 65)	1
64		30889	CUTTING EDGE - BUCKET	1
65		49821	RIVET (30889 MT'G)	21
66		32599	PIN (32649 MT'G)	2
67		45718	HHCS 1/2 - 20 NF X 4 (32599 MT'G)	2
68		17586	LOCKNUT (1/2 - 20 NF)	2
69		32598	PIN (32649 MT'G)	2
70		45667	HHCS 3/8 - 24 NF X 3-3/4 (32598 MT'G)	2
71		17606	LOCKNUT (3/8 - 24 NF)	2
72		31928	SHIM	UAR

MEMORANDUM



LOADER HYDRAULIC INSTALLATION

TERRALOAD'R HYDRAULIC INST.

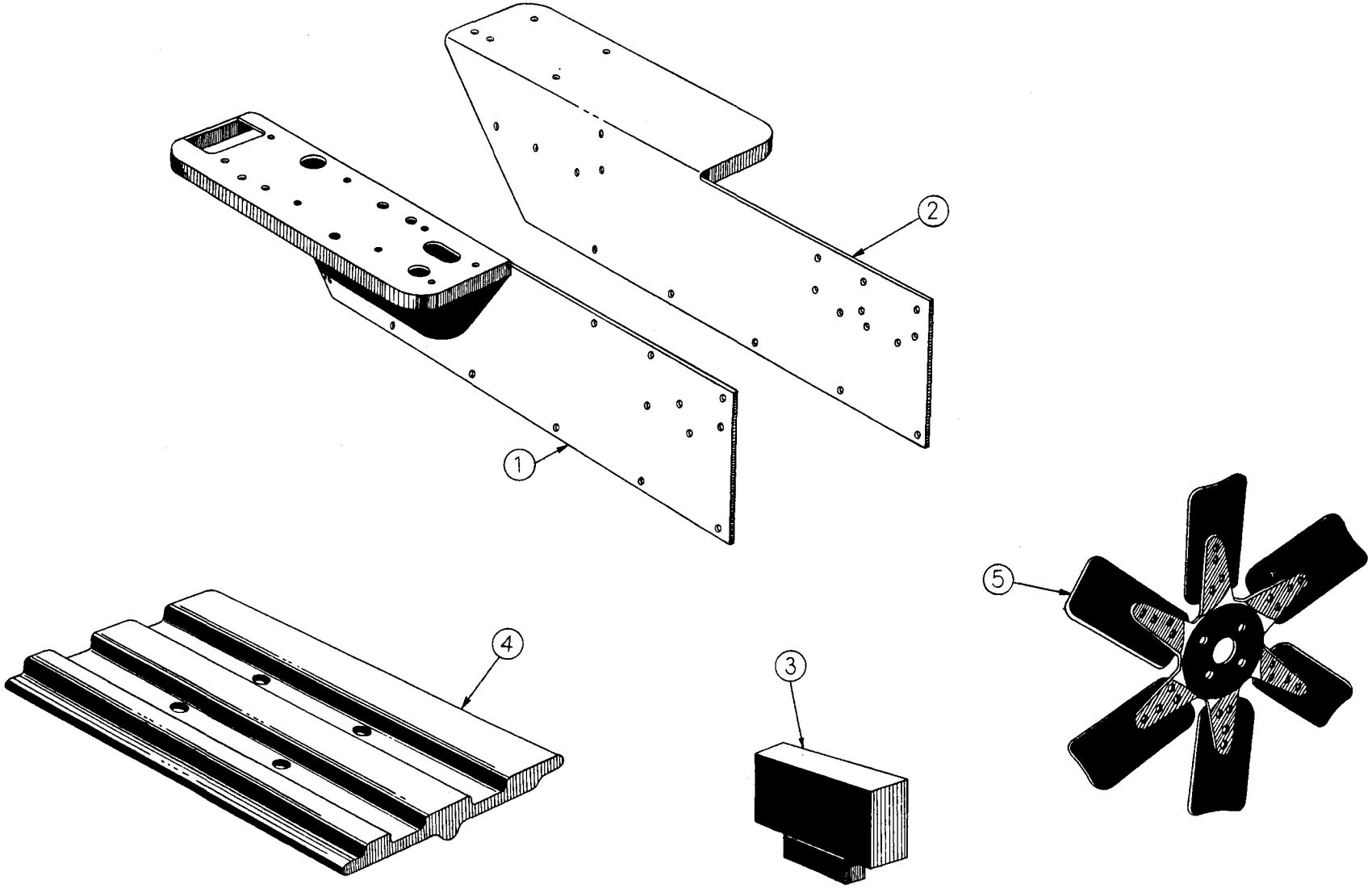
REF.	GROUP NO.	PART NO.	DESCRIPTION	REQ'D
	6209		TERRALOAD'R INST.	
1		13647	HYDRAULIC TANK ASS'Y	1
2		45656	HHCS 3/8 - 24 NF X 1 (13647 MT'G)	2
3		48446	LOCKWASHER - MED. SEC.	2
4		48102	HEX NUT - REG. S.F.	2
5		35074	FILLER CAP & GAUGE STICK ASS'Y	1
6		16400	HYDRAULIC VALVE ASS'Y (SEE PAGE #131)	1
7		45719	HHCS 1/2 - 20 NF X 4-1/2 (16400 MT'G)	3
8		48448	LOCKWASHER - MED. SEC.	3
9		48104	HEX NUT - REG. S.F.	3
10		16678	GUIDE PLATE - VALVE LEVER	1
11		45656	HHCS 3/8 - 24 NF X 1 (16678 MT'G)	4
12		48446	LOCKWASHER - MED. SEC.	4
13		48102	HEX NUT - REG. S.F.	4
14		16675	LEVER - VALVE CONTROL	2
15		31375	BALL GRIP	2
16		48661	YOKE PIN - S.A.E. STANDARD	2
17		48672	COTTER PIN - 1/16 DIA. X 1/2	2
18		30640	PUMP BRACKET ASS'Y	1
19		45158	HHCS 5/8 - 11 NC X 1-1/2 (30640 MT'G)	2
20		48450	LOCKWASHER - MED. SEC.	2
21		33496	SHIM - ENGINE MT'G	UAR
22		31615	HYDRAULIC PUMP ASS'Y (SEE PAGE #135)	1
23		45056	HHCS 3/8 - 16 NC X 1" (31615 MT'G)	2
24		48446	LOCKWASHER - MED. SEC.	2
25		10493	FEMALE COUPLING - HYD. PUMP	1
26		45029	HHCS 5/16 - 18 NC X 3/4 (10493 MT'G)	4
27		48445	LOCKWASHER - MED. SEC.	4
28		30480	MALE COUPLING - HYD. PUMP	1
29		47306	ALLEN HD. SET SCREW 5/16 - 18 NC X 1/2 (30480 MT'G)	1
31		31543	BREATHER FILTER	1
32		34266	FEMALE ELBOW 90°	1
33		41470	PIPE NIPPLE - 1/2 NP X 6	1
34		33959	PRESSURE RELIEF VALVE ASS'Y (SEE PAGE #139)	1
35		50027	MALE CONNECTOR - 3/4 JIC TO 1/2 NP	1

TERRALOAD'R HYDRAULIC INST. CONT'D

REF.	GROUP NO.	PART NO.	DESCRIPTION	REQ'D
36		34439	TUBE ASS'Y - CONTROL VALVE TO RELIEF VALVE	1
37		50257	PIPE TEE 3/4 X 3/4 X 3/4	1
38		50027	MALE CONNECTOR - 3/4 JIC TO 1/2 NP	1
39		18939	TUBE ASS'Y - VALVE TO 19231	1
40		19231	HOSE & TUBE ASS'Y - 18939 TO PUMP	1
41		50146	MALE ELBOW 45° - 3/4 JIC TO 3/4 NP	1
42		34259	PLATE - TUBE SUPPORT (19231 MT'G)	1
43		49789	CLAMP - TUBE (19231 MT'G)	1
44		45631	HHCS 5/16 - 24 NF X 1 (49789 & 34259 MT'G)	2
45		48445	LOCKWASHER - MED. SEC.	2
46		48101	HEX NUT - REG.S.F.	2
47		49855	TUBE CLAMP (19231 MT'G)	1
48		45631	HHCS 5/16 - 24 NF X 1 (49855 MT'G)	1
49		48445	LOCKWASHER - MED. SEC.	1
50		48101	HEX NUT - REG. S.F.	
51		50030	MALE CONNECTOR - 1" JIC TO 3/4 NP	1
52		18969	TUBE ASS'Y - PUMP TO 32798	1
53		49763	HOSE CLAMP	2
54		32798	HOSE - LOW PRESSURE	1
55		18955	TUBE ASS'Y - 32798 TO HYD. TANK	1
56		50029	MALE CONNECTOR - 1" JIC TO 1" NP	1
57		19194	TUBE ASS'Y - VALVE TO TANK	1
58		50116	MALE ELBOW 90° - 3/4 JIC TO 3/4 NP	1
59		50114	MALE ELBOW 90° - 5/8 JIC TO 1/2 NP	1
60		19227	TUBE ASS'Y - VALVE TO MANIFOLD	1
61		19226	TUBE ASS'Y - MANIFOLD	1
62		50571	EXTRA LONG MALE ELBOW 90° - 5/8 JIC TO 1/2 NP	1
63		19228	TUBE ASS'Y - VALVE TO MANIFOLD	1
64		19225	TUBE ASS'Y - MANIFOLD	1
65		32978	CLAMP PLATE (19225 & 19226 MT'G)	1
66		45631	HHCS 5/16 - 24 NF X 1 (32978 MT'G)	1
67		48445	LOCKWASHER - MED. SEC.	1
68		48101	HEX NUT - REG. S.F.	1
69		17179	TUBE CLAMP (19225 & 19226 MT'G)	2
70		45631	HHCS 5/16 - 24 NF X 1 (17179 MT'G)	2
71		48445	LOCKWASHER - MED. SEC.	2
72		48101	HEX NUT - REG. S.F.	2
73		19178	HOSE ASS'Y - MANIFOLD TO LIFT CYLINDERS	4
74		50114	MALE ELBOW 90° - 5/8 JIC TO 1/2 NP	2
75		19219	TUBE ASS'Y - TO FRONT PORT LIFT CYL RH	1

TERRALOAD'R HYDRAULIC INST. CONT'D

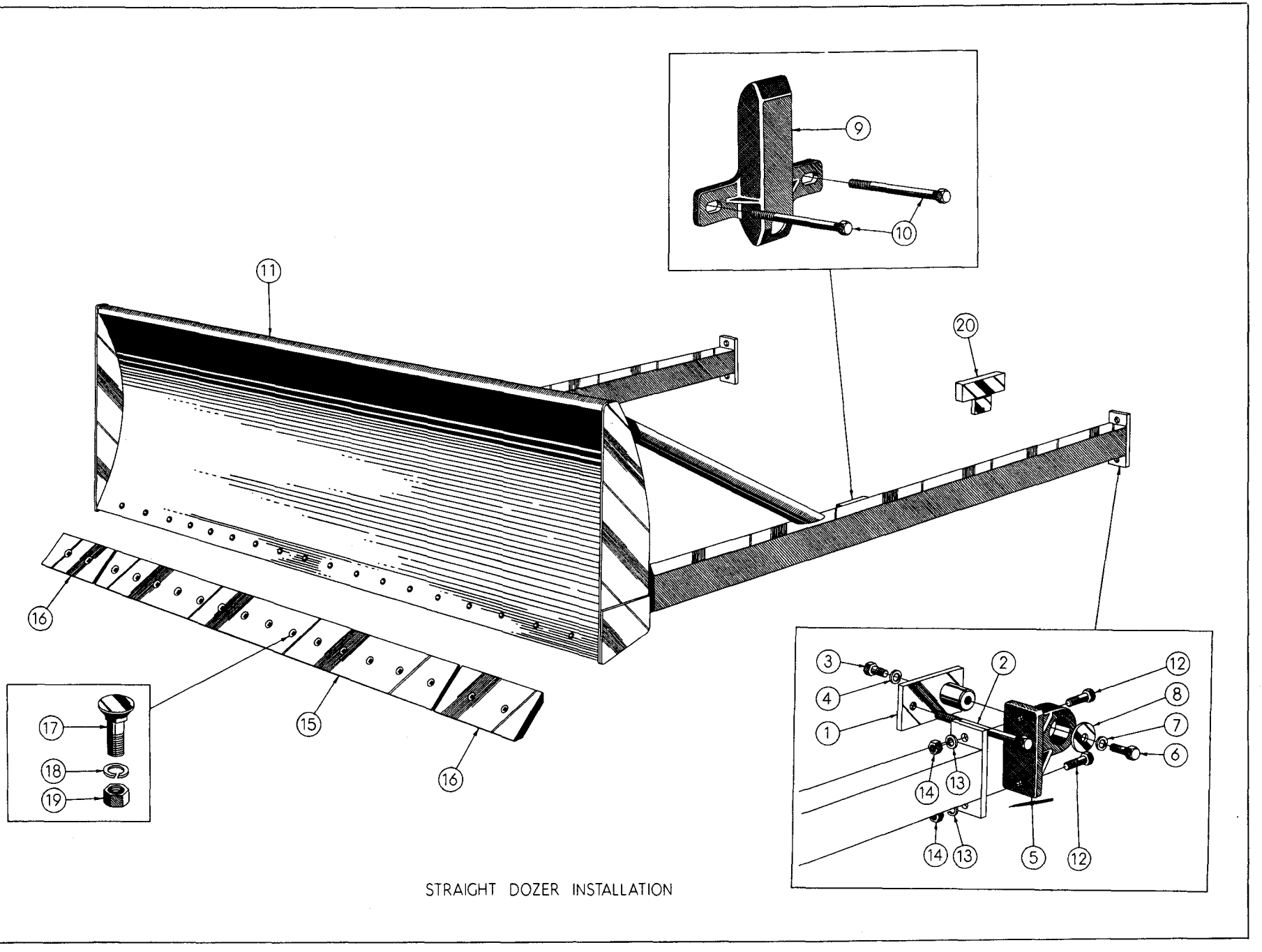
REF.	GROUP NO.	PART NO.	DESCRIPTION	REQ'D
76		19220	TUBE ASS'Y - TO FRONT PORT LIFT CYL. - LH	1
77		50114	MALE ELBOW 90° - 5/8 JIC TO 1/2 NP	1
78		33888	SPECIAL PIPE TEE 90°	1
79		41820	PIPE PLUG - EXT. SQ. HEAD - 1/8 NP	1
80		34264	LATERAL ELBOW 90° - 5/8 JIC TO 1/2 NP	1
81		19201	TUBE ASS'Y - DUMP CYL. MANIFOLD	1
82		50571	EXTRA LONG MALE ELBOW 90° - 5/8 JIC TO 1/2 NP	1
83		19202	TUBE ASS'Y - DUMP CYL. MANIFOLD	1
84		17179	TUBE CLAMP (19201 & 19202 MT'G)	2
85		45631	HHCS 5/16 - 24 NF X 1 (17179 MT'G)	2
86		48445	LOCKWASHER - MED. SEC.	2
87		48101	HEX NUT - REG. S.F.	2
88		19207	HOSE ASS'Y - MANIFOLD TO DUMP CYLINDERS	4
89		34389	HOSE & TUBE ASS'Y - MANIFOLD TO DUMP CYL'S.	2
90		34479	HOSE & TUBE ASS'Y - TO DUMP CYL. - RH	1
91		34480	HOSE & TUBE ASS'Y - TO DUMP CYL. - LH	1
92		50114	MALE ELBOW 90° - 5/8 JIC TO 1/2 NP	4
93		31665	CLAMP PLATE (34389, 34479, & 34480 MT'G)	4
94		45634	HHCS 5/16 - 24 NF X 1-3/4 (31665 MT'G)	2
95		48445	LOCKWASHER - MED. SEC.	2
96		48101	HEX NUT - REG. S.F.	2
97		32978	CLAMP PLATE (34389, 34479, & 34480 MT'G)	8
98		45633	HHCS 5/16 - 24 NF X 1-1/2 (32978 MT'G)	4
99		48445	LOCKWASHER - MED. SEC.	4
100		48101	HEX NUT - REG. S.F.	4



TERRALOAD'R REQUIRED ACCESSORIES

TERRALOAD'R REQUIRED ACCESSORIES

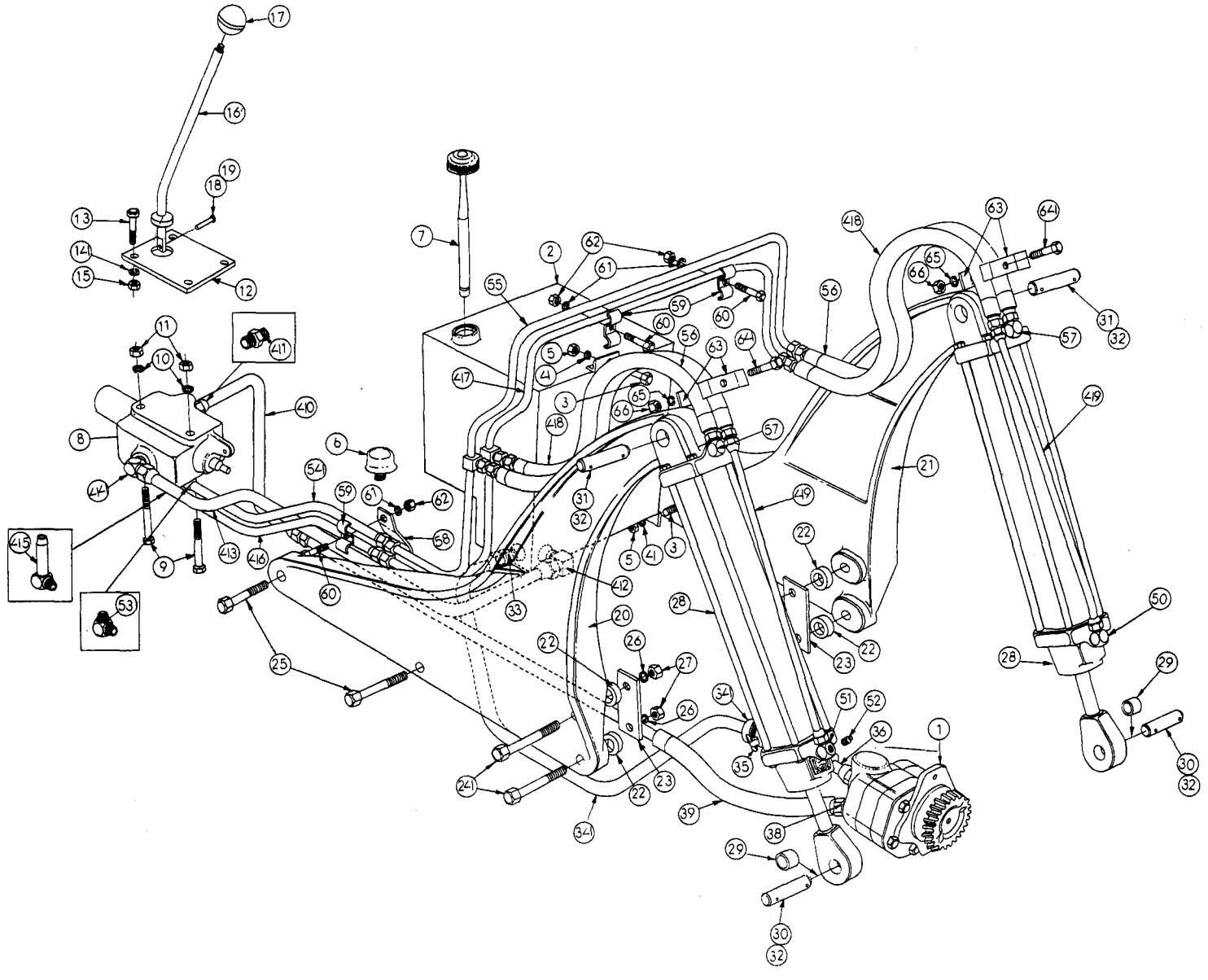
REF.	GROUP NO.	PART NO.	DESCRIPTION	REQ'D
	6209		TERRALOAD'R INST.	
1		31576	FENDER - RH	1
2		31577	FENDER - LH	1
3		33676	SPRING LOCKOUT BLOCK ASS'Y	2
4		32848	STREET PLATE - 11"	60
5		11290	FAN - PUSHER	1



STRAIGHT DOZER INSTALLATION

STRAIGHT DOZER INST.

REF.	GROUP NO.	PART NO.	DESCRIPTION	REQ'D
	6061		STRAIGHT DOZER INST.	
1		16747	PIVOT BAR ASS'Y	2
2		46495	HHMB 3/4 - 16 NF X 11-5/8 (16747 MT'G)	2
3		45784	HHCS 3/4 - 16 NF X 1-3/4 (16747 MT'G)	2
4		48452	LOCKWASHER - MED. SEC.	2
5		17853	PIVOT BRACKET	2
6		45782	HHCS 3/4 - 16 NF X 1-1/4 (17853 TO 16747)	2
7		48452	LOCKWASHER - MED. SEC.	2
8		17134	RETAINING WASHER	2
9		16679	RUB PLATE	2
10		46495	HHMB 3/4 - 16 NF X 11-5/8 (16679 MT'G)	4
11		16750	STRAIGHT DOZER ASS'Y	1
12		45791	HHCS 3/4 - 16 NF X 3-1/2 (16750 MT'G)	4
13		48452	LOCKWASHER - MED. SEC.	4
14		48107	HEX NUT - REG. S.F.	4
15		16040	CUTTING BLADE - CENTER	1
16		16187	CUTTING BLADE - END	2
17		46711	PLOW BOLT 1/2 - 13 NC X 2 (16040 & 16187 MT'G)	18
18		48448	LOCKWASHER - MED. SEC.	18
19		47804	HEX NUT - REG. S.F.	18
20		33676	SPRING LOCKOUT ASS'Y	2



DOZER HYDRAULIC INSTALLATION

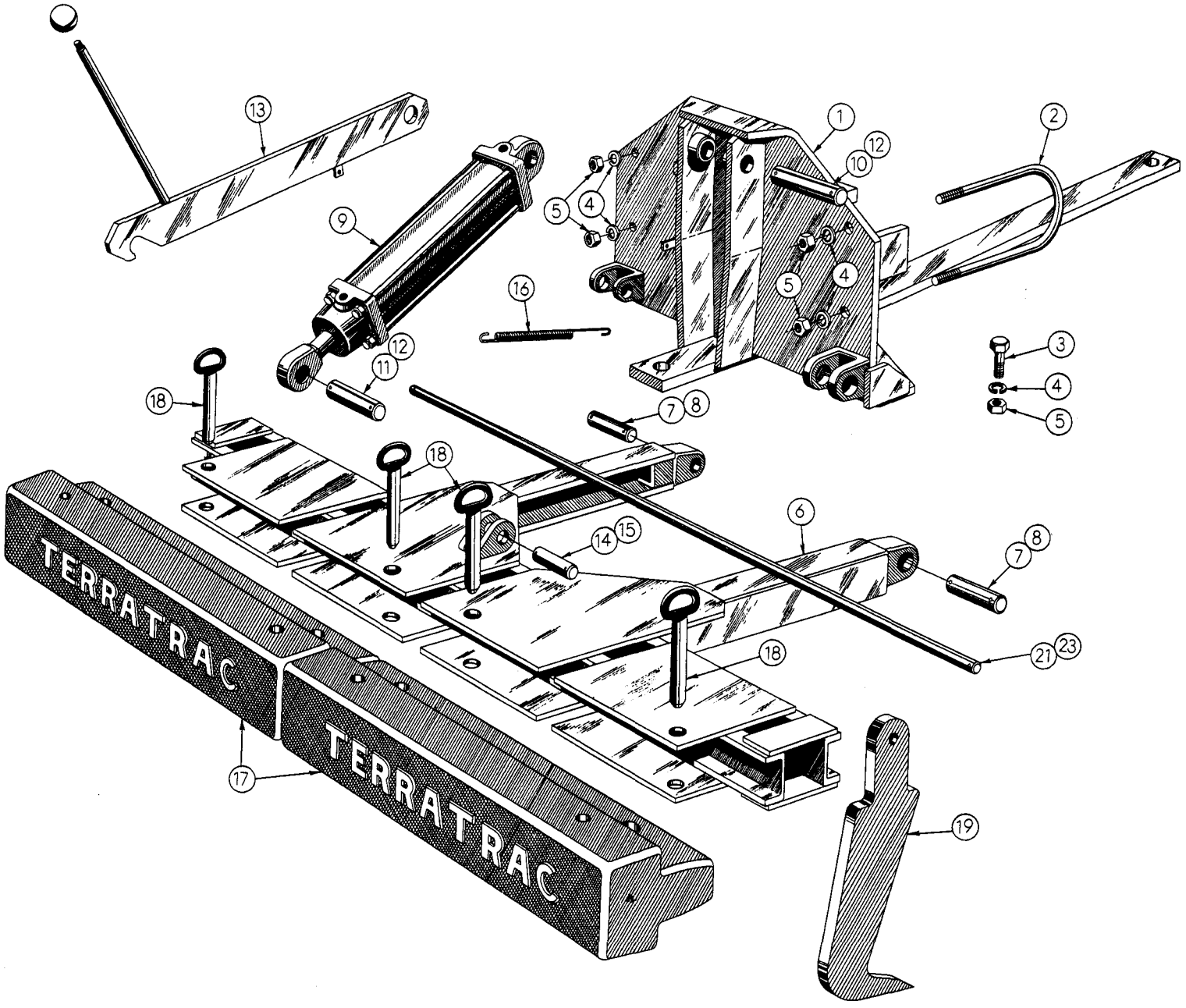
STRAIGHT DOZER & ANGLE DOZER HYDRAULIC INST.

REF.	GROUP NO.	PART NO.	DESCRIPTION	REQ'D
1		16860	HYDRAULIC PUMP ASS'Y (SEE PAGE #137)	1
2		13647	HYDRAULIC TANK ASS'Y	1
3		45656	HHCS 3/8 - 24 NF X 1 (13647 MT'G)	2
4		48446	LOCKWASHER - MED. SEC.	2
5		48102	HEX NUT - REG. S.F.	2
6		31543	BREATHER FILTER	1
7		35074	FILLER CAP & GAUGE STICK ASS'Y	1
8		16130	HYDRAULIC VALVE ASS'Y (SEE PAGE #133)	1
9		45719	HHCS 1/2 - 20 NF X 4-1/2 (16130 MT'G)	2
10		48448	LOCKWASHER - MED. SEC.	2
11		48104	HEX NUT - REG. S.F.	2
12		16694	GUIDE PLATE - VALVE LEVER	1
13		45657	HHCS 3/8 - 24 NF X 1-1/4 (16694 MT'G)	4
14		48446	LOCKWASHER - MED. SEC.	4
15		48102	HEX NUT - REG. S.F.	4
16		16675	LEVER - VALVE CONTROL	1
17		31375	BALL - GRIP	1
18		48661	YOKE PIN - SAE STANDARD	1
19		48672	COTTER PIN - 1/16 DIA. X 1/2	1
20		16692	CYLINDER BRACKET - RH	1
21		16693	CYLINDER BRACKET - LH	1
22		32799	SPACER	4
23		17803	REINFORCING PLATE	2
24		45760	HHCS 5/8 - 18 NF X 2 (16692-3 MT'G)	4
25		45762	HHCS 5/8 - 18 NF X 2-1/2 (16692-3 MT'G)	4
26		48450	LOCKWASHER - MED. SEC.	8
27		48106	HEX NUT - REG. S.F.	8
28		17751	HYDRAULIC CYLINDER ASS'Y (SEE PAGE #125)	2
29		17631	BUSHING	2
30		16726	PIN (17751 MT'G)	2
31		18743	PIN (17751 MT'G)	2
32		48739	COTTER PIN - 1/4 DIA. X 2	8
33		50029	MALE CONNECTOR - 1" NP TO 1" JIC	1
34		18940	TUBE ASS'Y - TANK TO PUMP	1
35		32798	HOSE - LOW PRESSURE	1
36		49766	HOSE CLAMP	2
37		18987	TUBE ASS'Y - PUMP TO TANK	1
38		50146	MALE ELBOW 45° - 3/4 NP TO 3/4 JIC	1
39		19223	HOSE & TUBE ASS'Y - PUMP TO VALVE	1
40		18943	TUBE ASS'Y - VALVE TO PUMP	1
41		50027	MALE CONNECTOR - 1/2 NP TO 3/4 JIC	1
42		50116	MALE ELBOW 90° - 3/4 NP TO 3/4 JIC	1

STRAIGHT DOZER & ANGLE DOZER HYDRAULIC INST. CONT'D

REF.	GROUP NO.	PART NO.	DESCRIPTION	REQ'D
43		18944	TUBE ASS'Y - TANK TO VALVE	1
44		50116	MALE ELBOW 90° - 3/4 NP TO 3/4 JIC	1
45		50571	EXTRA LONG MALE ELBOW 90° - 1/2 NP TO 5/8 JIC	1
46		18952	TUBE ASS'Y - VALVE TO MANIFOLD	1
47		18946	TUBE ASS'Y - MANIFOLD	1
48		35646	HOSE ASS'Y - MANIFOLD TO CYLINDER	2
49		35647	TUBE ASS'Y - TO CYLINDER FRONT PORTS	2
50		50114	MALE ELBOW 90° - 1/2 NP TO 5/8 JIC	1
51		33888	SPECIAL MALE ELBOW 90°	1
52		41820	PIPE PLUG - EXT. SQ. HEAD - 1/8 NP	1
53		50114	MALE ELBOW 90° - 1/2 NP TO 5/8 JIC	1
54		18953	TUBE ASS'Y - VALVE TO MANIFOLD	1
55		18949	TUBE ASS'Y - MANIFOLD	1
56		18950	HOSE ASS'Y - MANIFOLD TO CYLINDER	2
57		50114	MALE ELBOW 90° - 1/2 NP TO 5/8 JIC	2
58		18575	CLAMP BRACKET	1
59		17179	TUBE CLAMP (18952, 18953, 18949, & 18946 MT'G)	3
60		45631	HHCS 5/16 - 24 NF X 1 (17179 MT'G)	3
61		48445	LOCKWASHER - MED. SEC.	3
62		48101	HEX NUT - REG. S.F.	3
63		32978	CLAMP PLATE (35646 & 18950 MT'G)	4
64		45632	HHCS 5/16 - 24 NF X 1-1/4 (32978 MT'G)	2
65		48445	LOCKWASHER - MED. SEC.	2
66		48101	HEX NUT - REG. S.F.	2

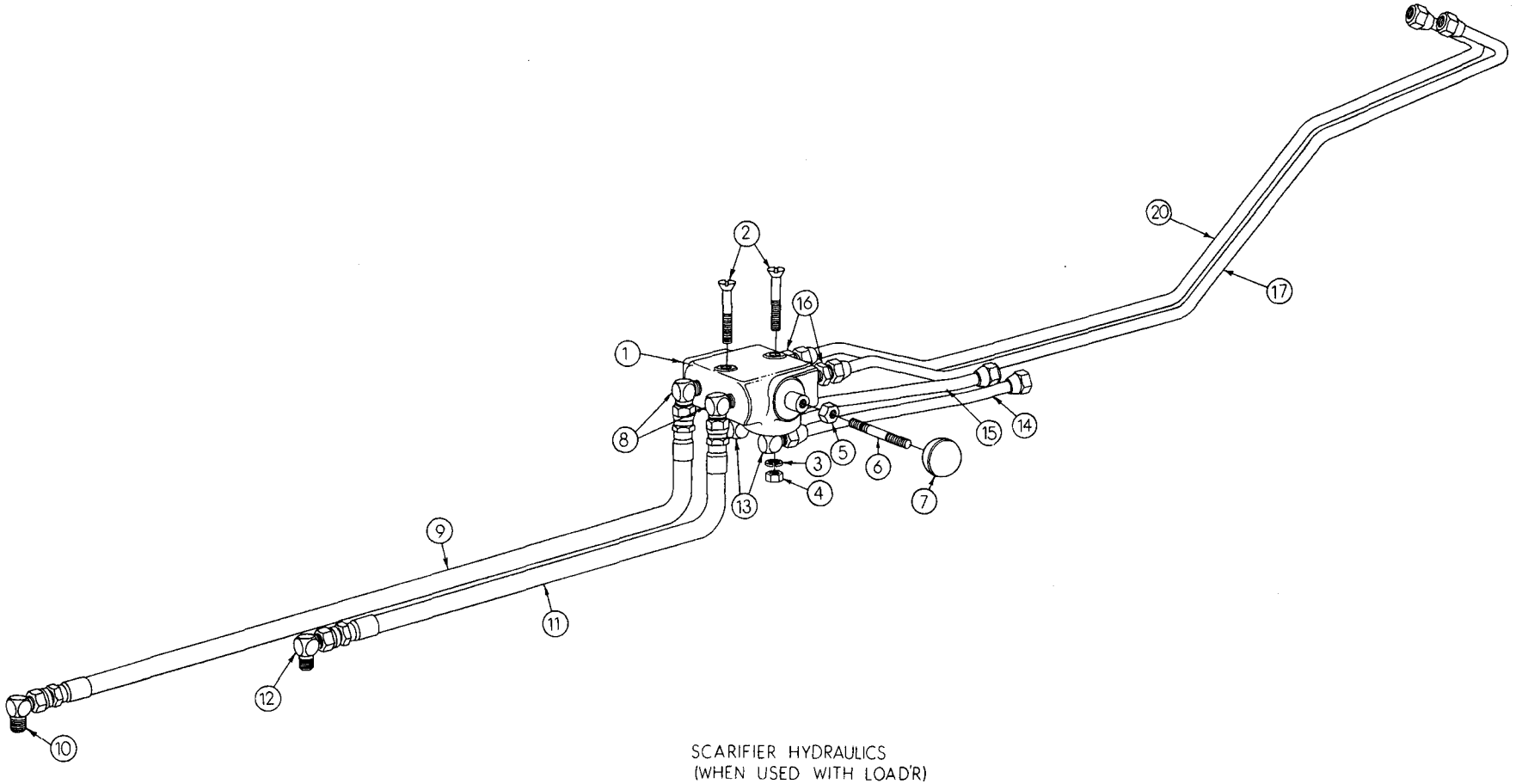
MEMORANDUM



SCARIFIER INSTALLATION

SCARIFIER INSTALLATION

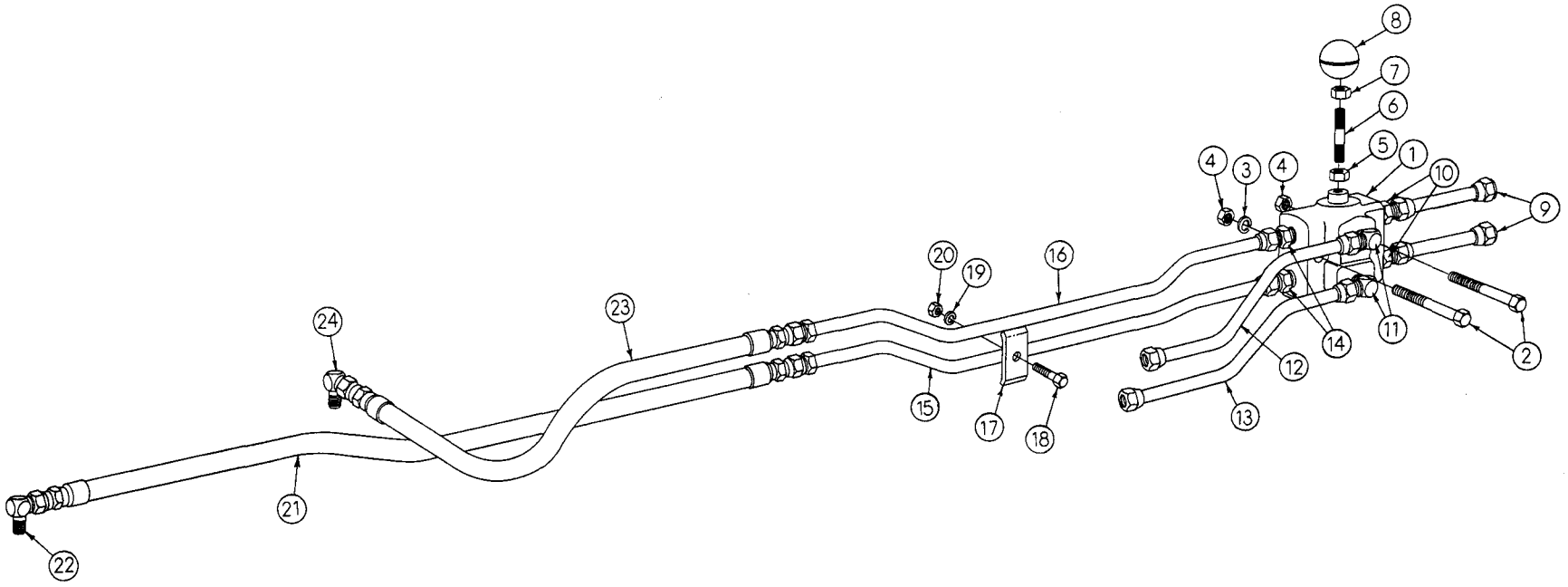
REF.	GROUP NO.	PART NO.	DESCRIPTION	REQ'D
	6153		SCARIFIER INST.	
1		31716	BACK PLATE ASS'Y	1
2		31696	"U" BOLT (31716 MT'G)	2
3		45758	HHCS 5/8 - 18 NF X 1-1/2 (31716 MT'G)	2
4		48450	LOCKWASHER - MED. SEC.	6
5		48106	HEX NUT - REG. S.F.	6
6		34349	FRAME ASS'Y - SCARIFIER	1
7		31715	PIN (34349 MT'G)	2
8		48738	COTTER PIN - 1/4 DIA. X 1-3/4	4
9		30624	HYDRAULIC CYLINDER ASS'Y (SEE PAGE #127)	1
10		34354	PIN (30624 & 34358 MT'G)	1
11		31715	PIN (30624 MT'G)	1
12		48738	COTTER PIN - 1/4 DIA. X 1-3/4	4
13		34358	LOCK ASS'Y - SCARIFIER	1
14		34353	PIN - SCARIFIER LOCK MT'G	1
15		48737	COTTER PIN - 1/4 DIA. X 1-1/2	2
16		11469	SPRING	1
17		19041	WEIGHT - SCARIFIER	2
18		19055	PIN ASS'Y (19041 MT'G)	4
19		31752	TOOTH - SCARIFIER	5
20		31714	HOLDING ROD	1
21		48736	COTTER PIN - 1/4 DIA. X 1-1/4	2



SCARIFIER HYDRAULICS
(WHEN USED WITH LOAD'R)

SCARIFIER HYDRAULICS (WHEN USED WITH LOADER)

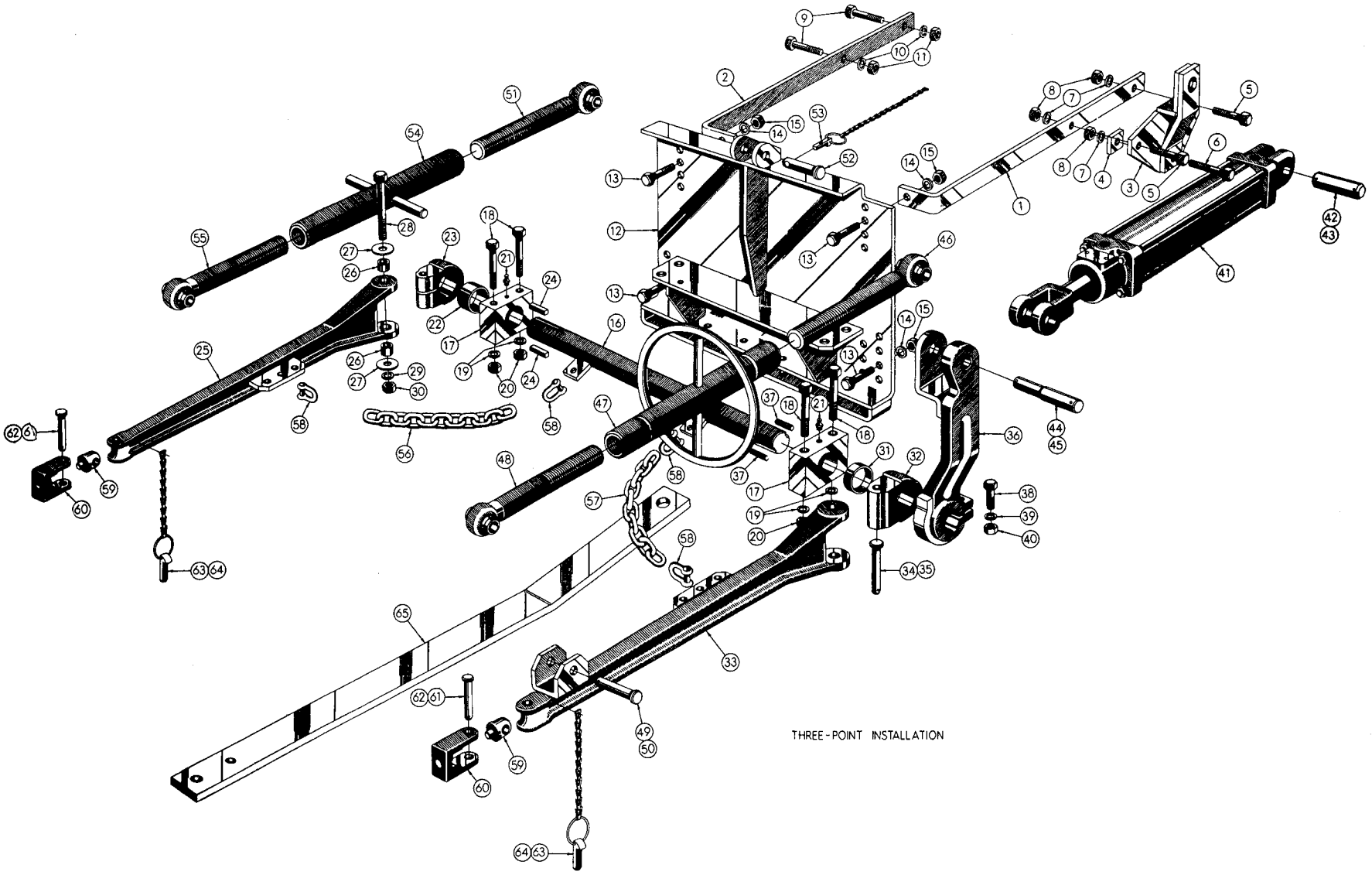
REF.	GROUP NO.	PART NO.	DESCRIPTION	REQ'D
1		16628	DIVERSION VALVE	1
2		46941	MACHINE SCREW - CTS'K 3/8 - 24 NF X 3-1/2 (16628 MT'G)	2
3		48446	LOCKWASHER - MED. SEC.	2
4		48102	HEX NUT - REG. S.F.	2
5		47801	HEX NUT - REG. S.F.	1
6		18574	STUD	1
7		31375	BALL GRIP	1
8		50114	MALE ELBOW 90° - 1/2 NP TO 5/8 JIC	2
9		19178	HOSE ASS'Y - DIV. VALVE TO CYLINDER	1
10		50114	MALE ELBOW 90° - 1/2 NP TO 5/8 JIC	1
11		19209	HOSE ASS'Y - DIV. VALVE TO CYLINDER	1
12		35310	FLOW RESTRICTOR ASS'Y	1
13		50114	MALE ELBOW 90° - 1/2 NP TO 5/8 JIC	2
14		19195	TUBE ASS'Y - DIV. VALVE TO CONTROL VALVE	1
15		19196	TUBE ASS'Y - DIV. VALVE TO CONTROL VALVE	1
16		50024	MALE CONNECTOR - 1/2 NP TO 5/8 JIC	2
17		19229	TUBE ASS'Y - DIV. VALVE TO MANIFOLD	1
20		19230	TUBE ASS'Y - DIV. VALVE TO MANIFOLD	1



SCARIFIER HYDRAULICS
(WHEN USED WITH DOZER)

SCARIFIER HYDRAULICS (WHEN USED WITH DOZER)

REF.	GROUP NO.	PART NO.	DESCRIPTION	REQ'D
1		16628	DIVERSION VALVE	1
2		45664	HHCS 3/8 - 24 NF X 3 (16628 MT'G)	2
3		48446	LOCKWASHER - MED. SEC.	2
4		48102	HEX NUT - REG. S.F.	2
5		47801	HEX NUT - REG. S.F.	1
6		18574	STUD	1
7		48102	HEX NUT - REG. S.F.	1
8		31375	BALL GRIP	1
9		18930	TUBE ASS'Y - DIV. VALVE TO MANIFOLD	2
10		50024	MALE CONNECTOR - 1/2 NP TO 5/8 JIC	2
11		50114	MALE ELBOW 90° - 1/2 NP TO 5/8 JIC	2
12		18948	TUBE ASS'Y - VALVE TO DIV. VALVE	1
13		18945	TUBE ASS'Y - VALVE TO DIV. VALVE	1
14		50024	MALE CONNECTOR - 1/2 NP TO 5/8 JIC	2
15		18932	TUBE ASS'Y - DIV. VALVE TO CYLINDER	1
16		18933	TUBE ASS'Y - DIV. VALVE TO CYLINDER	1
17		32978	CLAMP	1
18		45632	HHCS 5/16 - 24 NF X 1-1/4 (32978 MT'G)	1
19		48445	LOCKWASHER - MED. SEC.	1
20		48101	HEX NUT - REG. S.F.	1
21		19178	HOSE ASS'Y - DIV. VALVE TO CYLINDER	1
22		50114	MALE ELBOW 90° - 1/2 NP TO 5/8 JIC	1
23		19209	HOSE ASS'Y - DIV. VALVE TO CYLINDER	1
24		35310	FLOW RESTRICTOR ASS'Y	1



THREE-POINT INSTALLATION

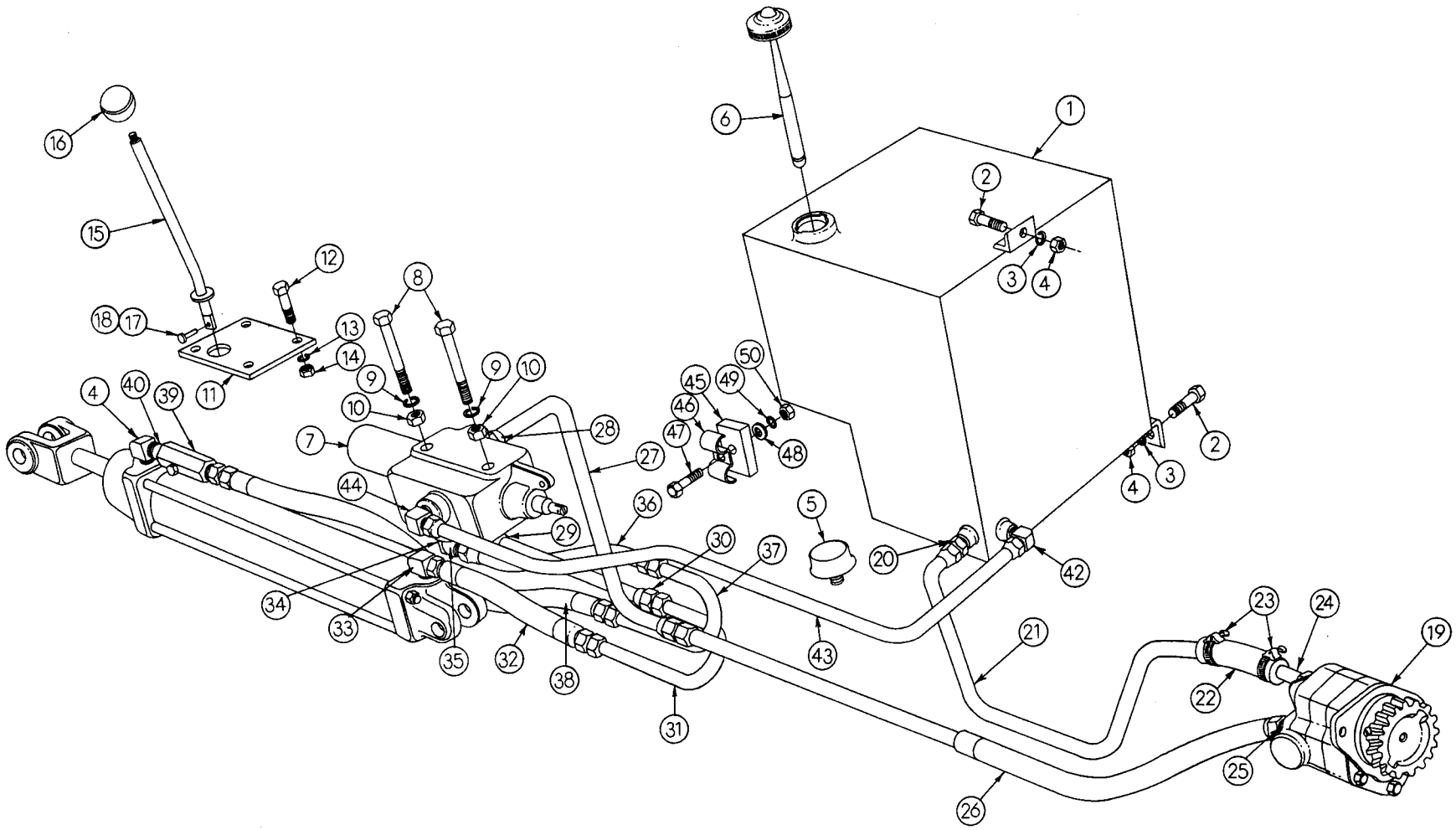
THREE POINT INSTALLATION

REF.	GROUP NO.	PART NO.	DESCRIPTION	REQ'D
	7447		THREE POINT INST. (INC. REF. # 1 THRU 65)	1
1		34158	SUPPORT ARM ASS'Y - RH	1
2		34159	SUPPORT ARM ASS'Y - LH	1
3		34153	SUPPORT BRACKET ASS'Y - CYLINDER	1
4		34154	SPACER	1
5		45763	HHCS 5/8 - 18 NF X 2-3/4 (34153 & 34158 MT'G)	2
6		45765	HHCS 5/8 - 18 NF X 3-1/4 (34153 & 34154 MT'G)	1
7		48450	LOCKWASHER - MED. SEC.	3
8		48106	HEX NUT - REG. S.F.	3
9		45761	HHCS 5/8 - 18 NF X 2-1/4 (34159 MT'G)	2
10		48450	LOCKWASHER - MED. SEC.	2
11		48106	HEX NUT - REG. S.F.	2
12		34162	MAIN SUPPORT ASS'Y	1
13		45759	HHCS 5/8 - 18 NF X 1-3/4 (34162 MT'G)	4
14		48450	LOCKWASHER - MED. SEC.	4
15		48106	HEX NUT - REG. S.F.	4
16		20129	LIFTER SHAFT ASS'Y	1
17		16045	TRUNNION BLOCK	2
18		45794	HHCS 3/4 - 16 NF X 4-1/2 (16045 MT'G)	4
19		48452	LOCKWASHER - MED. SEC.	4
20		48107	HEX NUT - REG. S.F.	4
21		49200	GREASE FITTING - STRAIGHT - 1/8 NP	2
22		20143	SPACER	1
23		20107	CLEVIS BLOCK - SELF LOCKING	1
24		49042	SQUARE KEY - 1/2 X 3/8 X 1-3/4	2
25		20089	SIDE ARM ASS'Y - LH	1
26		20109	BUSHING - SIDE ARM	2
27		48412	PLAINWASHER	2
28		45797	HHCS 3/4 - 16 NF X 6 (20089 MT'G)	1
29		48452	LOCKWASHER - MED. SEC.	1
30		48107	HEX NUT - REG. S.F.	1
31		34160	SPACER	1
32		20142	CLEVIS BLOCK - PLAIN	1
33		20088	SIDE ARM ASS'Y - RH	1
34		20035	PIN (20088 MT'G)	1
35		48699	COTTER PIN - 1/8 DIA. X 1-1/2	1
36		20135	LIFT ARM ASS'Y - CYLINDER	1

THREE POINT INSTALLATION CONT'D

REF.	GROUP NO.	PART NO.	DESCRIPTION	REQ'D
37		49042	SQUARE KEY - 1/2 X 3/8 X 1-3/4	2
38		45761	HHCS 5/8 - 18 NF X 2-1/4 (20135 MT'G)	1
39		48450	LOCKWASHER - MED. SEC.	1
40		48106	HEX NUT - REG.S.F.	1
41		17590	HYDRAULIC CYLINDER ASS'Y (SEE PAGE # 129)	1
42		18743	PIN (17590 MT'G)	1
43		48738	COTTER PIN - 1/4 DIA. X 1-3/4	2
44		20095	PIN - CYLINDER & HAND WHEEL MT'G	1
45		48720	COTTER PIN 3/16 DIA. X 1-1/4	2
46		20044	TURNBUCKLE - BALL JOINT (RH THREAD)	1
47		20041	HAND WHEEL & NUT ASS'Y	1
48		20045	TURNBUCKLE - BALL JOINT (LH THREAD)	1
49		20046	PIN - HAND WHEEL MT'G	1
50		48699	COTTER PIN - 1/8 DIA. X 1-1/2	1
51		20044	TURNBUCKLE - BALL JOINT (RH THREAD)	1
52		20056	PIN - TURNBUCKLE END	1
53		20055	KLIK PIN	1
54		20052	TUBE ASS'Y - TURNBUCKLE	1
55		20045	TURNBUCKLE - BALL JOINT	1
56		20072	SAFETY CHAIN	1
57		20060	SAFETY CHAIN	1
58		20064	SHACKLE ASS'Y (20072 & 20060 MT'G)	4
59		20058	SWIVEL BALL	2
60		20057	YOKE - SWIVEL JOINT	2
61		20059	PIN - SWIVEL JOINT	2
62		48699	COTTER PIN - 1/8 DIA. X 1-1/2	2
63		20055	KLIK PIN	2
64		48695	COTTER PIN - 1/8 DIA. X 1	2
65		13038	DRAWBAR	1

MEMORANDUM



THREE-POINT HYDRAULIC INSTALLATION

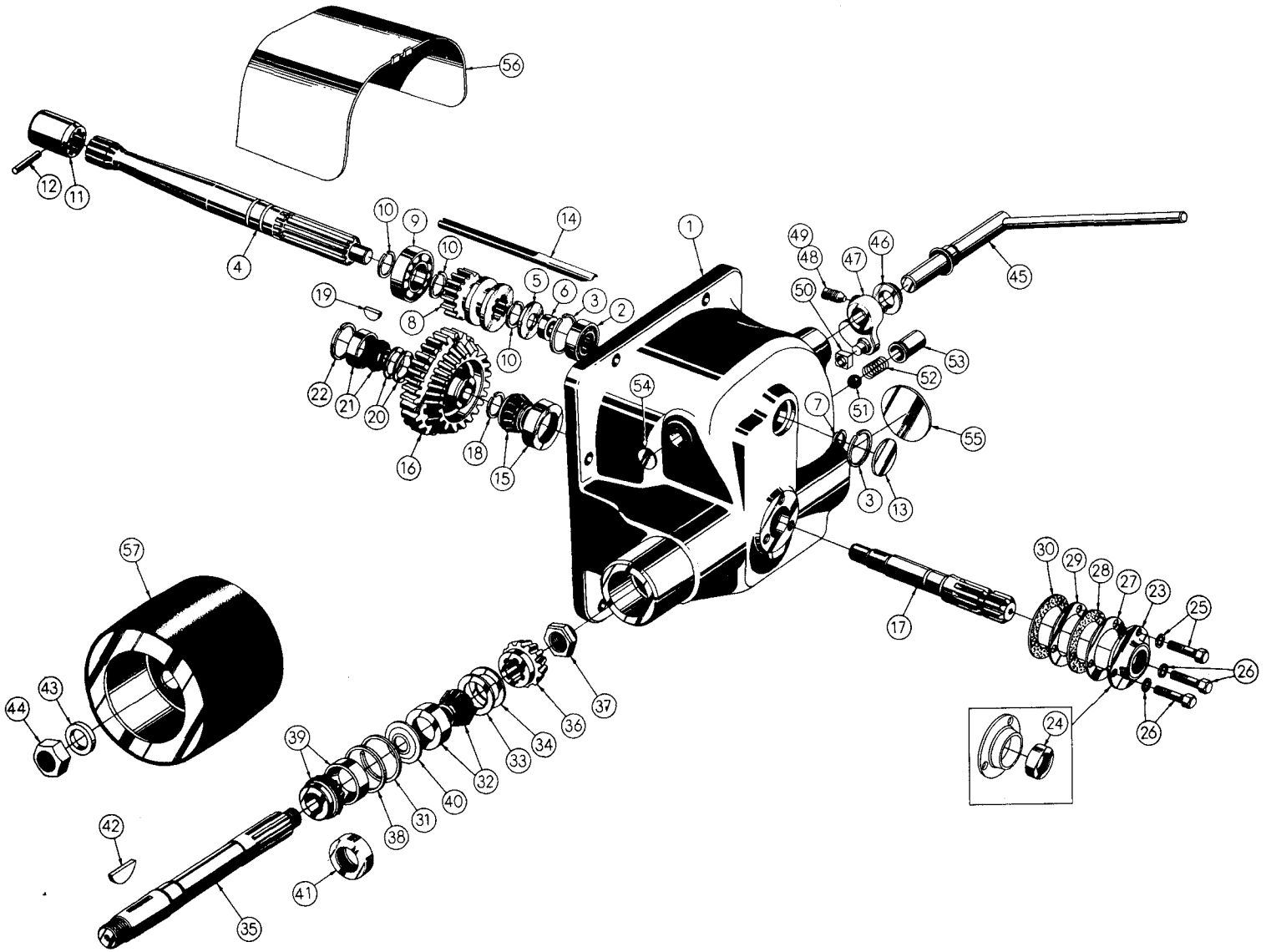
THREE - POINT HYDRAULIC INST.

REF.	GROUP NO.	PART NO.	DESCRIPTION	REQ'D
	7447		THREE - POINT INST.	
1		13647	HYDRAULIC TANK ASS'Y	1
2		45656	HHCS 3/8 - 24 NF X 1 (13647 MT'G)	2
3		48446	LOCKWASHER - MED. SEC.	2
4		48102	HEX NUT - REG. S.F.	2
5		31543	BREATHER FILTER	1
6		35074	CAP & GAUGE STICK ASS'Y	1
7		16130	HYDRAULIC VALVE ASS'Y (SEE PAGE #133)	1
8		45719	HHCS 1/2 - 20 NF X 4-1/2 (16130 MT'G)	2
9		48448	LOCKWASHER - MED. SEC.	2
10		48104	HEX NUT - REG. S.F.	2
11		16694	GUIDE PLATE	1
12		45657	HHCS 3/8 - 24 NF X 1-1/4 (16694 MT'G)	4
13		48446	LOCKWASHER- MED. SEC.	4
14		48102	HEX NUT - REG. S.F.	4
15		16675	LEVER - VALVE CONTROL	1
16		31375	BALL GRIP	1
17		48661	YOKE PIN - SAE STANDARD	1
18		48672	COTTER PIN - 1/16 DIA. X 1/2	1
19		16860	PUMP ASS'Y (SEE PAGE #138)	1
20		50029	MALE CONNECTOR - 1" NP TO 1" JIC	1
21		18940	TUBE ASS'Y - TANK TO HOSE	1
22		32798	HOSE - LOW PRESSURE	1
23		49766	HOSE CLAMP	2
24		18987	TUBE ASS'Y - HOSE TO PUMP	1
25		50146	MALE ELBOW 45° - 3/4 NP TO 3/4 JIC	1
26		19223	HOSE & TUBE ASS'Y - PUMP TO VALVE	1
27		18943	TUBE ASS'Y - VALVE TO PUMP	1
28		50027	MALE CONNECTOR - 3/4 JIC TO 1/2 NP	1
29		50114	MALE ELBOW 90° - 1/2 NP TO 5/8 JIC	1
30		18948	TUBE ASS'Y - VALVE TO CYLINDER	1
31		34407	TUBE ASS'Y - VALVE TO CYLINDER	1
32		19262	HOSE ASS'Y - VALVE TO CYLINDER	1
33		50114	MALE ELBOW 90° - 1/2 NP TO 5/8 JIC	1
34		41673	STREET ELBOW 90° - 1/2 NP	1
35		50144	MALE ELBOW 45° - 1/2 NP TO 5/8 JIC	1
36		34402	TUBE ASS'Y - VALVE TO CYLINDER	1
37		34407	TUBE ASS'Y - VALVE TO CYLINDER	1
38		35700	HOSE ASS'Y - VALVE TO CYLINDER	1
39		60374	FLOW CONTROL VALVE ASS'Y	1
40		41418	PIPE NIPPLE - 1/2 NP X 1-1/2	1
41		41673	STREET ELBOW 90° - 1/2 NP	1
42		50116	MALE ELBOW 90° - 3/4 NP TO 3/4 JIC	1
43		18944	TUBE ASS'Y - VALVE TO TANK	1

THREE - POINT HYDRAULIC INST. CONT'D

REF.	GROUP NO.	PART NO.	DESCRIPTION	REQ'D
44		50116	MALE ELBOW 90° - 3/4 NP TO 3/4 JIC	1
45		34406	SPACER	1
46		32978	TUBE CLAMP	1
47		45635	HHCS 5/16 - 24 NF X 2 (32978 & 34406 MT'G)	1
48		48405	PLAINWASHER	1
49		48445	LOCKWASHER - MED. SEC.	1
50		48101	HEX NUT - REG. S.F.	1

MEMORANDUM



POWER TAKE-OFF INSTALLATION

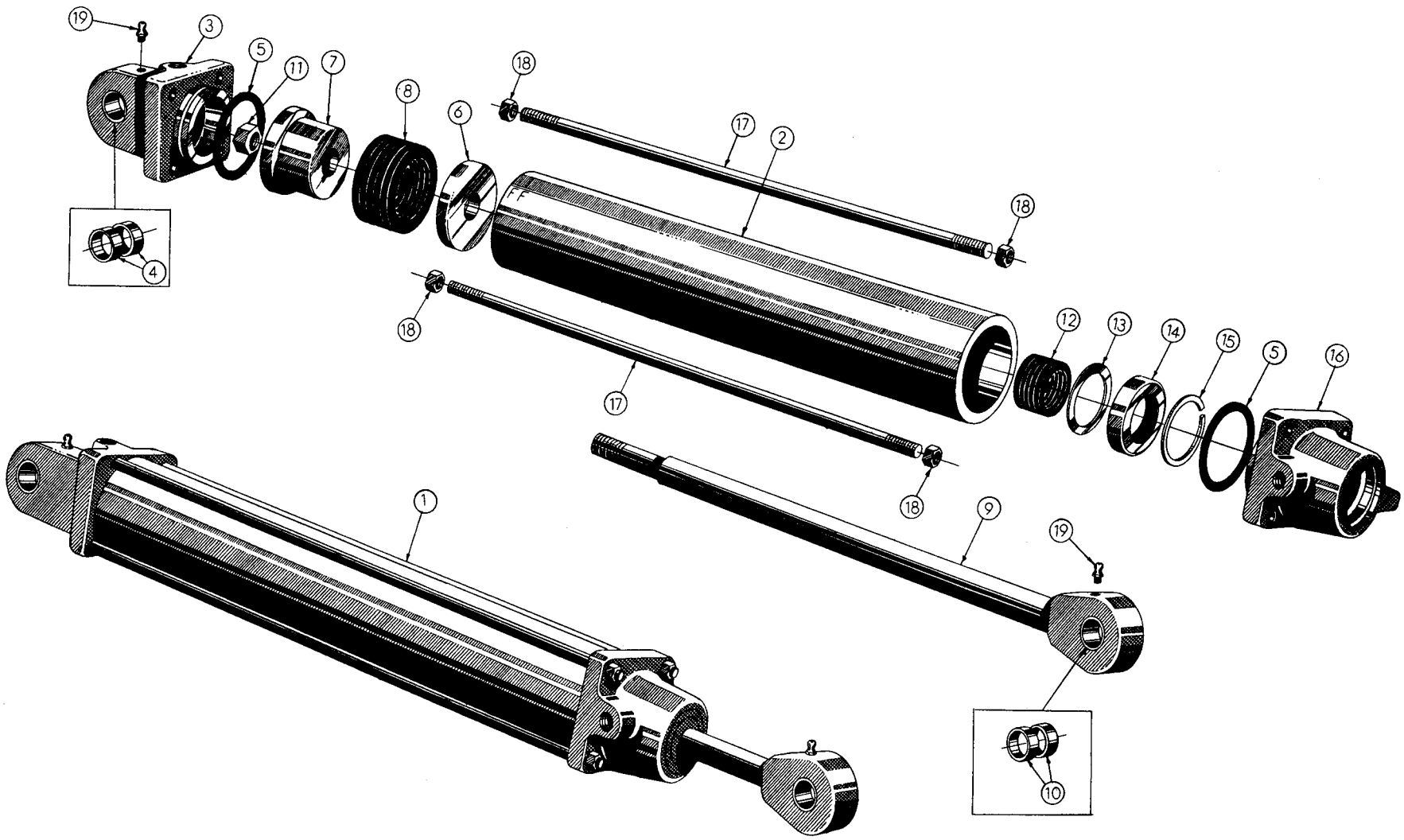
POWER TAKE-OFF INST.

REF.	GROUP NO.	PART NO.	DESCRIPTION	REQ'D
	6135		POWER TAKE-OFF INST. WITH BELT PULLEY (INC. REF. # 1 THRU 57)	
	6134		POWER TAKE-OFF INST. (INC. REF. # 1 THRU 56)	
	22999		POWER TAKE-OFF INST. (INC. REF. # 1 THRU 55)	1
1		23087	POWER TAKE-OFF HOUSING ASS'Y (INC. REF. # 31)	1
2		23043	BEARING ASS'Y - PTO DRIVE SHAFT	1
3		23030	SNAP RING - PTO SHAFT BR'G	2
	23053		PTO DRIVE SHAFT INST. (INC. REF. # 4 THRU 12)	1
4		23009	DRIVE SHAFT - PTO	1
5		23022	SPACER - DRIVE SHAFT BEARING	1
6		23023	INNER RACE - DRIVE SHAFT BEARING	1
7		23024	RETAINING RING - DRIVE SHAFT	1
8		23054	GEAR - PTO DRIVE SHAFT	1
9		40040	BALL BEARING ASS'Y	1
10		11452	SNAP RING - PTO DRIVE SHAFT	3
11		23018	SLEEVE - DRIVE SHAFT	1
12		23019	RIVET - DRIVE SHAFT SLEEVE	1
13		23080	WELCH PLUG - PTO DRIVE SHAFT HOLE	1
14		23088	OIL TUBE - PTO BEARING	1
15		11449	ROLLER BEARING ASS'Y	1
16		23073	GEAR - PTO SHAFT	1
17		23025	PTO SHAFT	1
18		11452	SNAP RING - OUTER BR'G RETAINING	1
19		23032	WOODRUFF KEY - GEAR MT'G	1
20		23038	SHIM - PTO SHAFT INNER BR'G	UAR
21		23044	ROLLER BEARING ASS'Y	1
22		23031	SNAP RING - BEARING RETAINING	1
23		22998	CAP ASS'Y - PTO SHAFT BRG. (INC. REF. # 24)	1
24		23033	OIL SEAL - PTO SHAFT	1
25		23077	SCREW & LOCKWASHER ASS'Y	1
26		23016	SCREW & LOCKWASHER ASS'Y	2
27		23013	SHIM - PTO BR'G CAP (.010)	UAR
28		23014	GASKET - PTO BR'G CAP	1
29		23012	SHIM - PTO	UAR
30		23015	GASKET - PTO BR'G CAP	UAR
31		11453	SNAP RING - BP SHAFT BR'G RETAINING	1
32		11449	ROLLER BEARING ASS'Y	1
33		23035	SHIM - BP INNER BR'G (.005)	UAR
34		23036	SHIM - BP INNER BR'G (.010)	UAR

POWER TAKE-OFF INST. CONT'D

REF.	GROUP NO.	PART NO.	DESCRIPTION	REQ'D
35		23027	SHAFT - BELT PULLEY	1
36		23074	GEAR - BP SHAFT-BEVEL	1
37		11380	NUT - BP GEAR RETAINING	1
38		11453	SNAP RING - BP SHAFT BR'G RETAINING	1
39		11449	ROLLER BEARING ASS'Y	1
40		23037	OIL WASHER - BP SHAFT	1
41		40634	OIL SEAL - BP SHAFT	1
42		23039	WOODRUFF KEY - BP SHAFT	1
43		23042	WASHER - BP RETAINING NUT	1
44		23041	NUT - BP RETAINING	1
45		23046	PTO SHIFT LEVER & SHAFT ASS'Y	1
46		23093	CORK WASHER - SHIFT SHAFT	1
47		23094	SHIFT FINGER	1
48		23095	SCREW - SHIFT FINGER MT'G	1
49		11416	LOCKWIRE	1
50		23096	TRUNNION - SHIFT FINGER	1
51		23099	BALL - MESH LOCK	1
52		23098	SPRING - MESH LOCK	1
53		23097	RETAINER - MESH LOCK	1
54		23089	WELSH PLUG - PTO SHIFT SHAFT BORE	1
55		23034	WELSH PLUG - BP SHAFT PLUG	1
56		23040	SHIELD ASS'Y	1
57		23045	BELT PULLEY - PTO	1

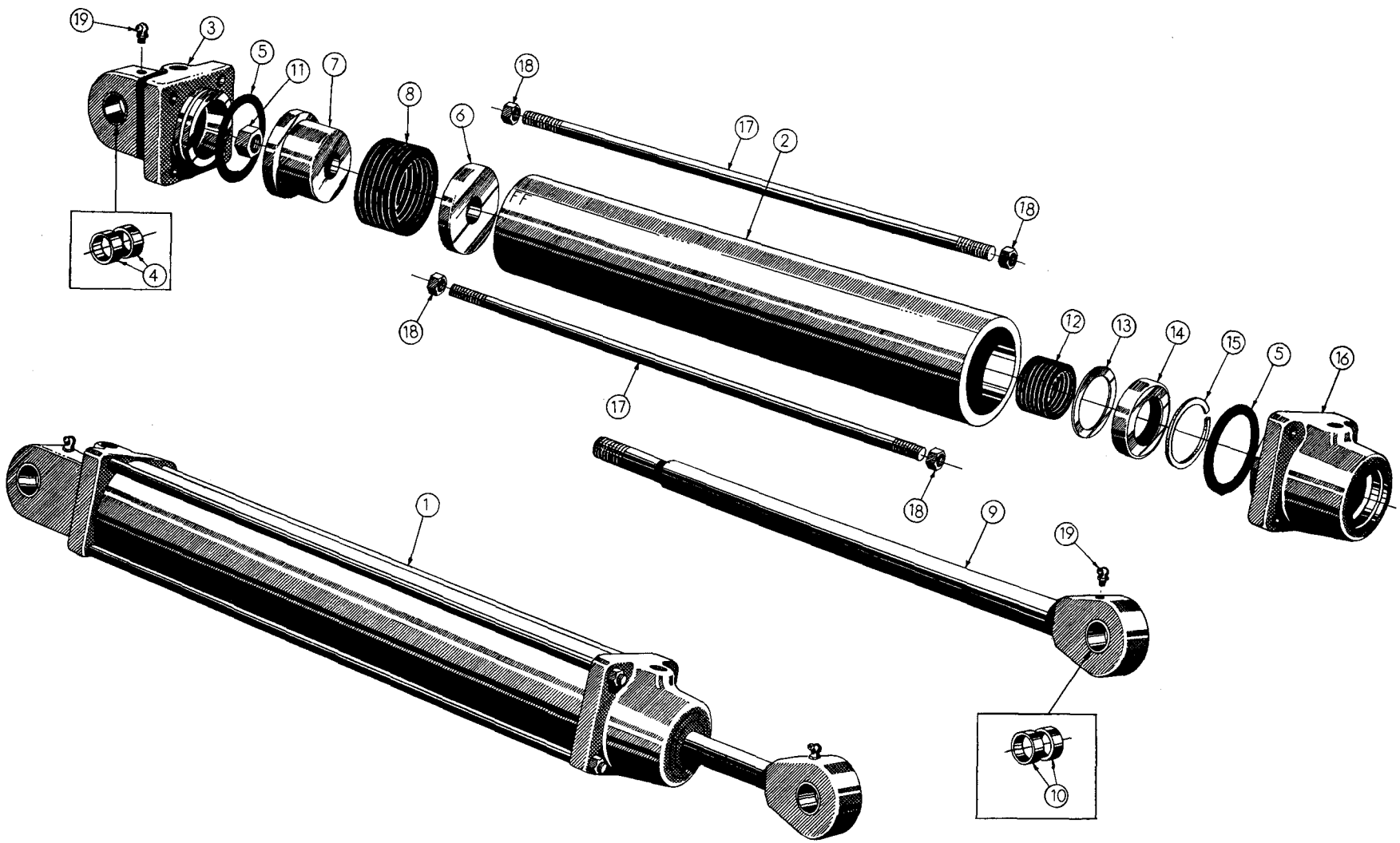
MEMORANDUM



HYDRAULIC CYLINDER INSTALLATION

LIFT CYLINDER INST.

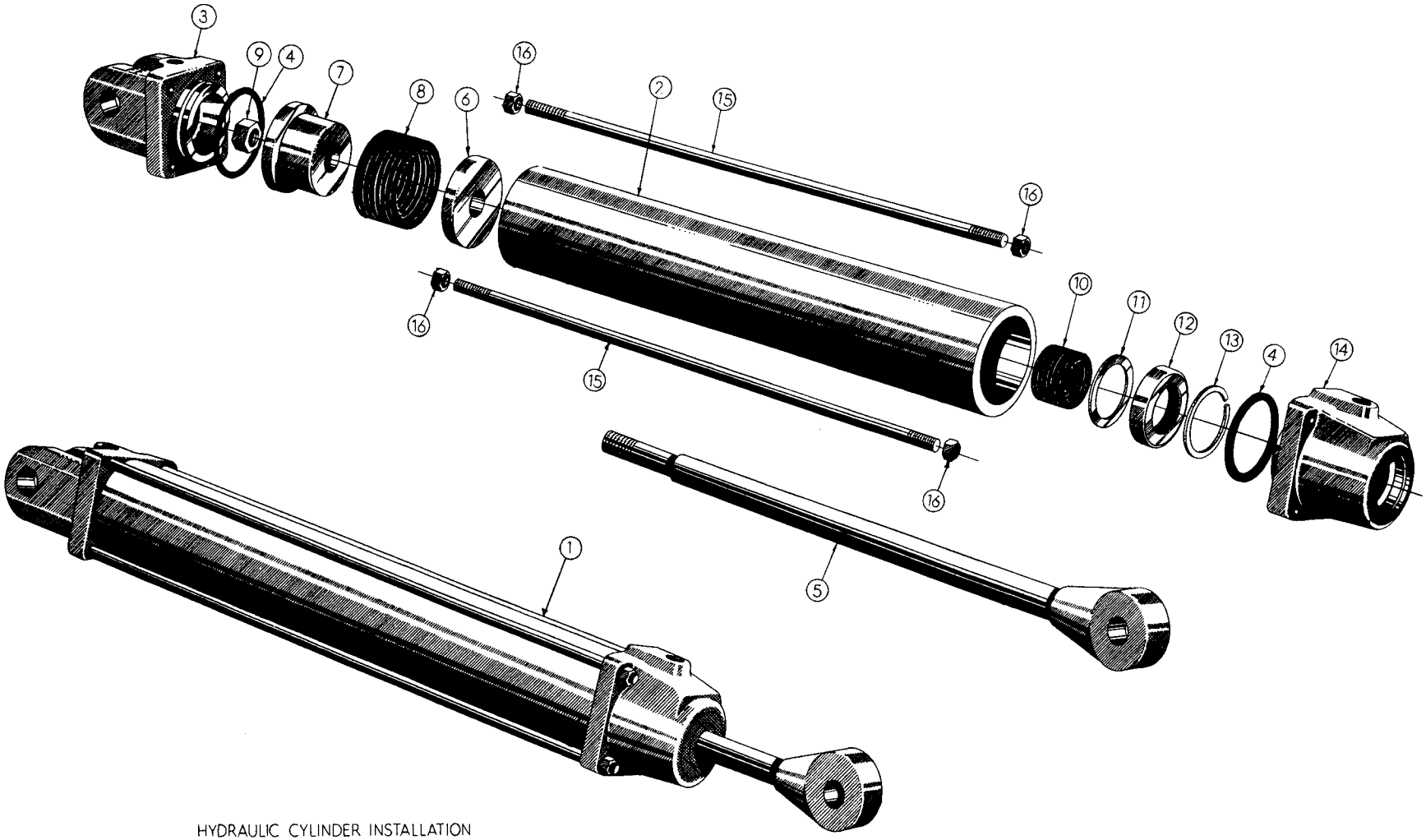
REF.	GROUP NO.	PART NO.	DESCRIPTION	REQ'D
1	31608		HYDRAULIC CYLINDER ASS'Y - RH (INC. REF. # 2 THRU 19)	1
	31609		HYDRAULIC CYLINDER ASS'Y - LH (INC. REF. # 2 THRU 19)	1
2		30570	TUBE - HYDRAULIC CYLINDER	1
3		36226	CYLINDER END ASS'Y (INC. REF. # 4)	1
4		30613	BUSHING	2
5		49381	"O" RING SEAL	2
6		30576	RETAINER WASHER	1
7		30571	RETAINER SPACER	1
8		17578	PISTON PACKING	1
9		36229	END YOKE & PISTON ROD ASS'Y (INC. REF. # 10)	1
10		30613	BUSHING	2
11		48378	ELASTIC STOP NUT (1" - 14 NF)	1
12		30568	ROD PACKING	1
13		30575	PACKING WASHER	1
14		30574	WIPER SEAL	1
15		17584	SNAP RING	1
16		30567	END CAP	1
17		30569	TIE ROD	4
18		17586	LOCKNUT (1/2 - 20 NF)	8
19		49200	GREASE FITTING - STRAIGHT - 1/8 NP	2



HYDRAULIC CYLINDER INSTALLATION

DUMP CYLINDER INST.

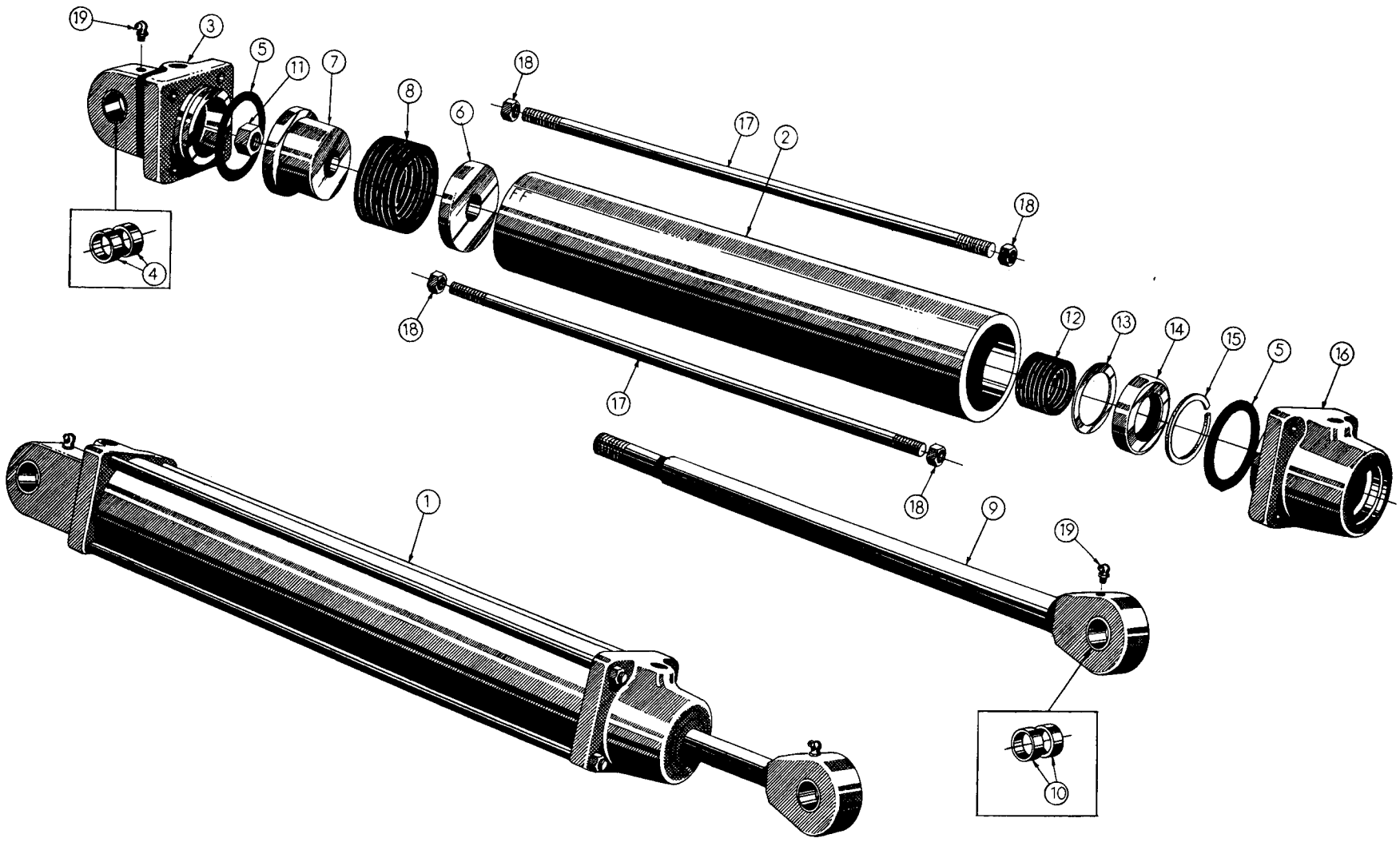
REF.	GROUP NO.	PART NO.	DESCRIPTION	REQ'D
1	34128		HYDRAULIC CYLINDER ASS'Y (INC. REF. # 2 THRU 19)	2
2		33771	TUBE - HYDRAULIC CYLINDER	1
3		36225	CYLINDER END ASS'Y (INC. REF. # 4)	1
4		30634	BUSHING	2
5		49382	"O" RING SEAL	2
6		30630	RETAINER WASHER	1
7		30631	RETAINER SPACER	1
8		17598	PISTON PACKING	1
9		34409	END YOKE & PISTON ROD ASS'Y (INC. REF. # 10)	1
10		30634	BUSHING	2
11		48070	LOCKNUT (3/4 - 16 NF)	1
12		17597	ROD PACKING	1
13		36259	PACKING WASHER	1
14		17603	WIPER SEAL	1
15		49482	SNAP RING	1
16		30628	END CAP	1
17		33769	TIE ROD	4
18		17606	LOCKNUT (3/8 - 24 NF)	8
19		49217	GREASE FITTING 90° - 1/8 NP	2



HYDRAULIC CYLINDER INSTALLATION

DOZER HYDRAULIC CYLINDER INST.

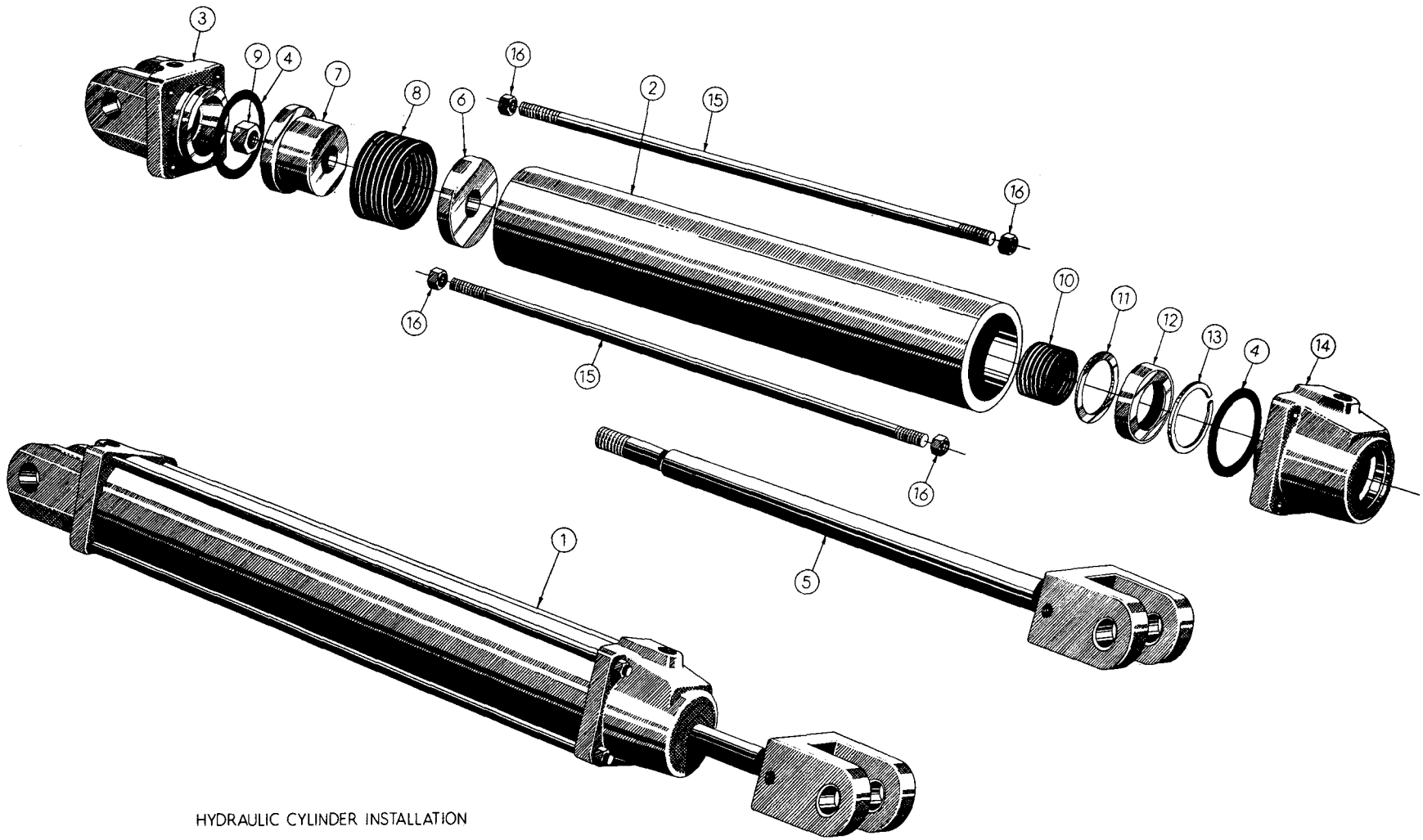
REF.	GROUP NO.	PART NO.	DESCRIPTION	REQ'D
1	17751		HYDRAULIC CYLINDER ASS'Y (INC. REF. # 2 THRU 16)	2
2		16046	TUBE - HYDRAULIC CYLINDER	1
3		17591	CYLINDER END	1
4		49382	"O" RING SEAL	2
5		17628	END YOKE & PISTON ROD ASS'Y	1
6		30630	RETAINER WASHER	1
7		30631	RETAINER SPACER	1
8		17598	PISTON PACKING	1
9		48070	LOCKNUT (3/4 - 16 NF)	1
10		17597	ROD PACKING	1
11		36259	PACKING WASHER	1
12		17603	WIPER SEAL	1
13		49482	SNAP RING	1
14		17592	END CAP	1
15		16043	TIE ROD	4
16		17606	LOCKNUT (3/8 - 24 NF)	8



HYDRAULIC CYLINDER INSTALLATION

SCARIFIER HYDRAULIC CYLINDER INST.

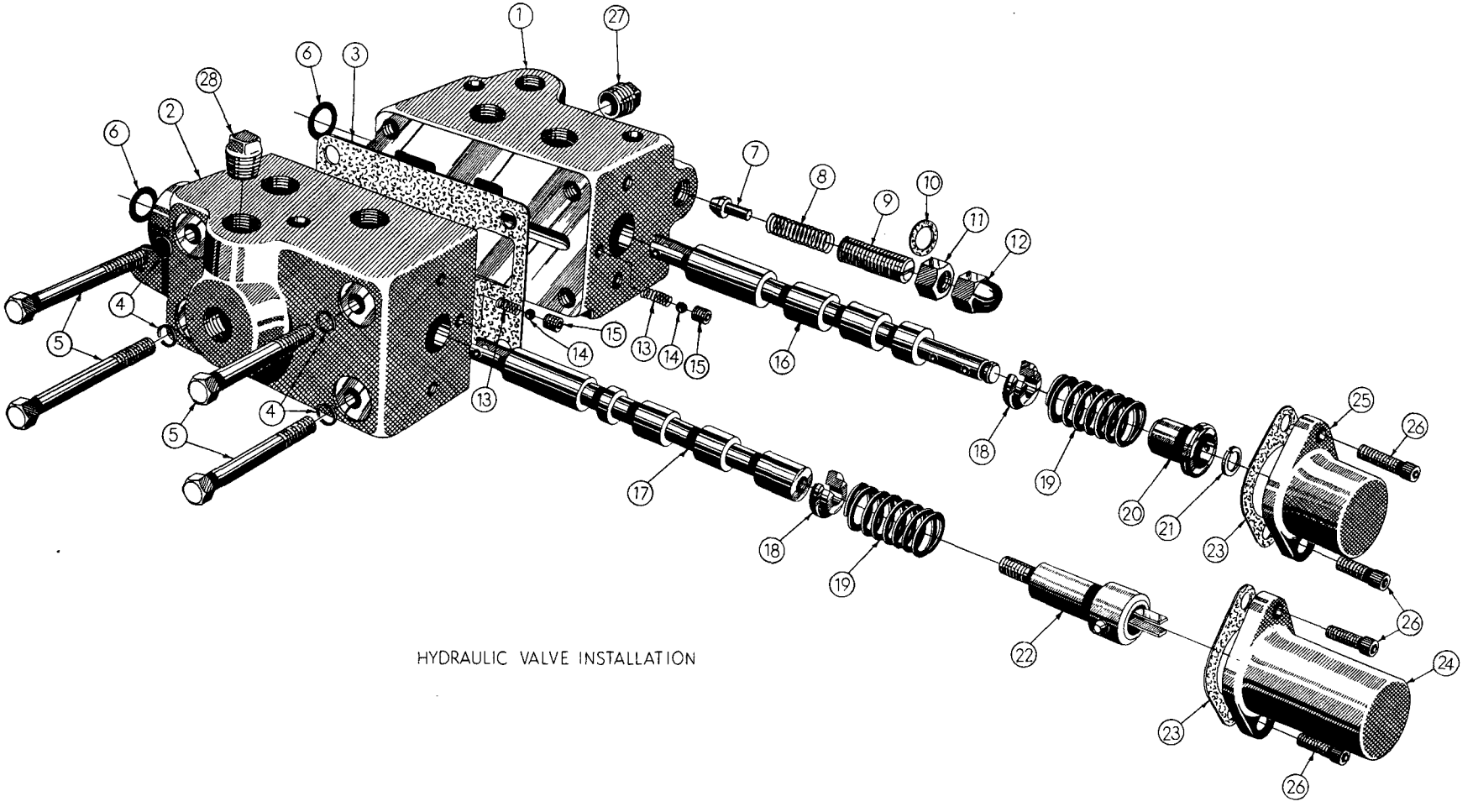
REF.	GROUP NO.	PART NO.	DESCRIPTION	REQ'D
1	30624		HYDRAULIC CYLINDER ASS'Y (INC. REF. # 2 THRU 19)	1
2		30629	TUBE - HYDRAULIC CYLINDER	1
3		36225	CYLINDER END ASS'Y (INC. REF.# 4)	1
4		30634	BUSHING	2
5		49382	"O" RING SEAL	2
6		30630	RETAINER WASHER	1
7		30631	RETAINER SPACER	1
8		17598	PISTON PACKING	1
9		34600	END YOKE & PISTON ROD ASS'Y (INC. REF. # 10)	1
10		30634	BUSHING	2
11		48070	LOCKNUT (3/4 - 16 NF)	1
12		17597	ROD PACKING	1
13		36259	PACKING WASHER	1
14		17603	WIPER SEAL	1
15		49482	SNAP RING	1
16		30628	END CAP	1
17		30633	TIE ROD	4
18		17606	LOCKNUT (3/8 - 24 NF)	8
19		49217	GREASE FITTING 90° - 1/8 NP	2



HYDRAULIC CYLINDER INSTALLATION

THREE - POINT HYDRAULIC CYLINDER INST.

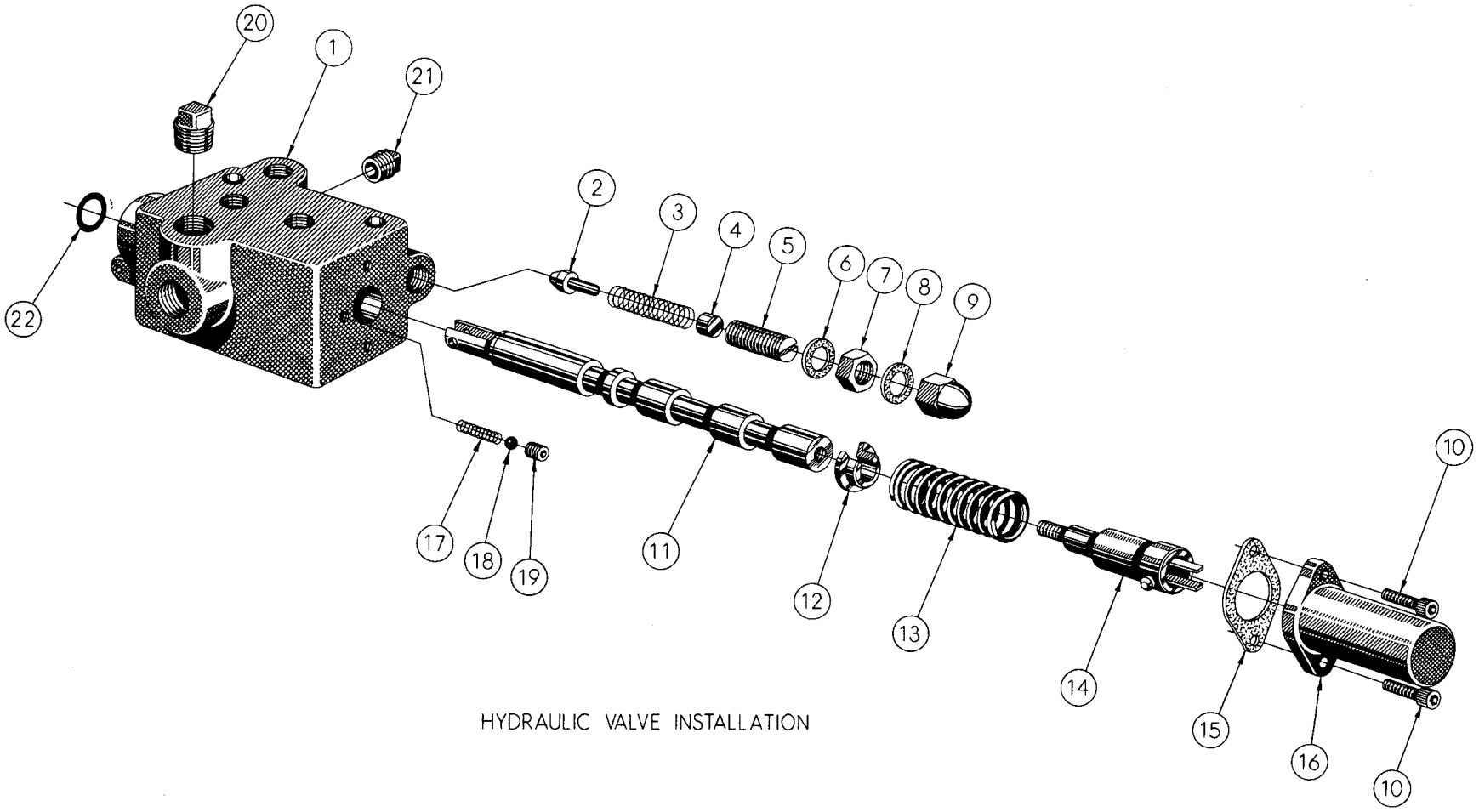
REF.	GROUP NO.	PART NO.	DESCRIPTION	REQ'D
1	17590		HYDRAULIC CYLINDER ASS'Y (INC. REF. # 2 THRU 16)	1
2		17593	TUBE - HYDRAULIC CYLINDER	1
3		17591	CYLINDER END	1
4		49382	"O" RING SEAL	2
5		17599	END YOKE & PISTON ROD ASS'Y	1
6		30630	RETAINER WASHER	1
7		30631	SPACER BLOCK	1
8		17598	PISTON PACKING	1
9		48070	LOCKNUT (3/4 - 16 NF)	1
10		17597	ROD PACKING	1
11		36259	PACKING WASHER	1
12		17603	WIPER SEAL	1
13		49482	SNAP RING	1
14		17592	END CAP - CYLINDER	1
15		17594	TIE ROD	4
16		17606	HEX NUT (3/8 - 24 NF)	8



HYDRAULIC VALVE INSTALLATION

HYDRAULIC VALVE INST.

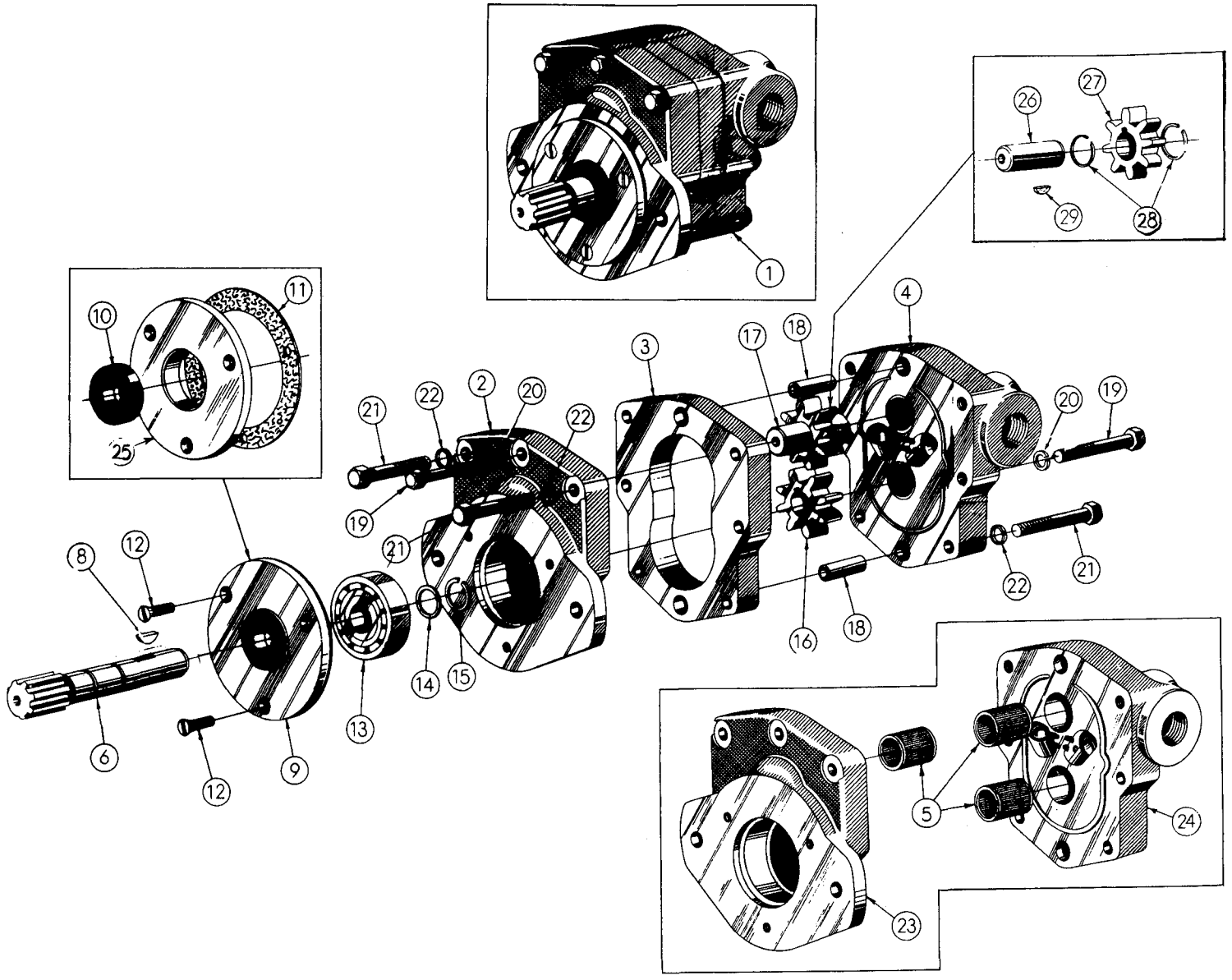
REF.	GROUP NO.	PART NO.	DESCRIPTION	REQ'D
	16400		HYDRAULIC VALVE ASS'Y (INC. REF. # 1 THRU 28)	1
1		16409	1/2 TANDEM VALVE HOUSING - INLET	1
2		16408	1/2 TANDEM VALVE HOUSING - OUTLET	1
3		16947	GASKET - TANDEM VALVE HOUSING	1
4		48448	LOCKWASHER - MED. SEC.	4
5		45415	HHCS 1/2 - 13 NC X 3-1/4 (16408 TO 16409)	4
6		16202	"O" RING SEAL	2
7		16403	POPPET - RELIEF VALVE	1
8		16404	SPRING - RELIEF VALVE	1
9		16218	ADJUSTING SCREW - RELIEF VALVE	1
10		16219	GASKET - RELIEF VALVE	1
11		48105	HEX NUT (9/16 - 18 NF)	1
12		48355	CAP NUT (9/16 - 18 NF)	1
13		16212	SPRING - CHECK VALVE	2
14		16213	BALL - CHECK VALVE	2
15		16214	SEAT - CHECK VALVE	2
16		16410	SPOOL - D.A.	1
17		16203	SPOOL - FLOAT	1
18		16205	SPRING RETAINER	2
19		16204	SPRING - SPOOL RETURN	2
20		16411	SPRING GUIDE	1
21		16413	RETAINER - SPRING GUIDE	1
22		16206	SPRING GUIDE ASS'Y	1
23		16211	GASKET - CAP	2
24		16210	VALVE CAP - LONG	1
25		16412	VALVE CAP - SHORT	1
26		46900	FILLISTER HD. CAP SCREW 5/16 - 18 NC X 3/4	4
27		41823	PIPE PLUG - EXT. SQ. HD. - 1/2 NP	1
28		41824	PIPE PLUG - EXT. SQ. HD. - 3/4 NP	1



HYDRAULIC VALVE INSTALLATION

HYDRAULIC VALVE INST.

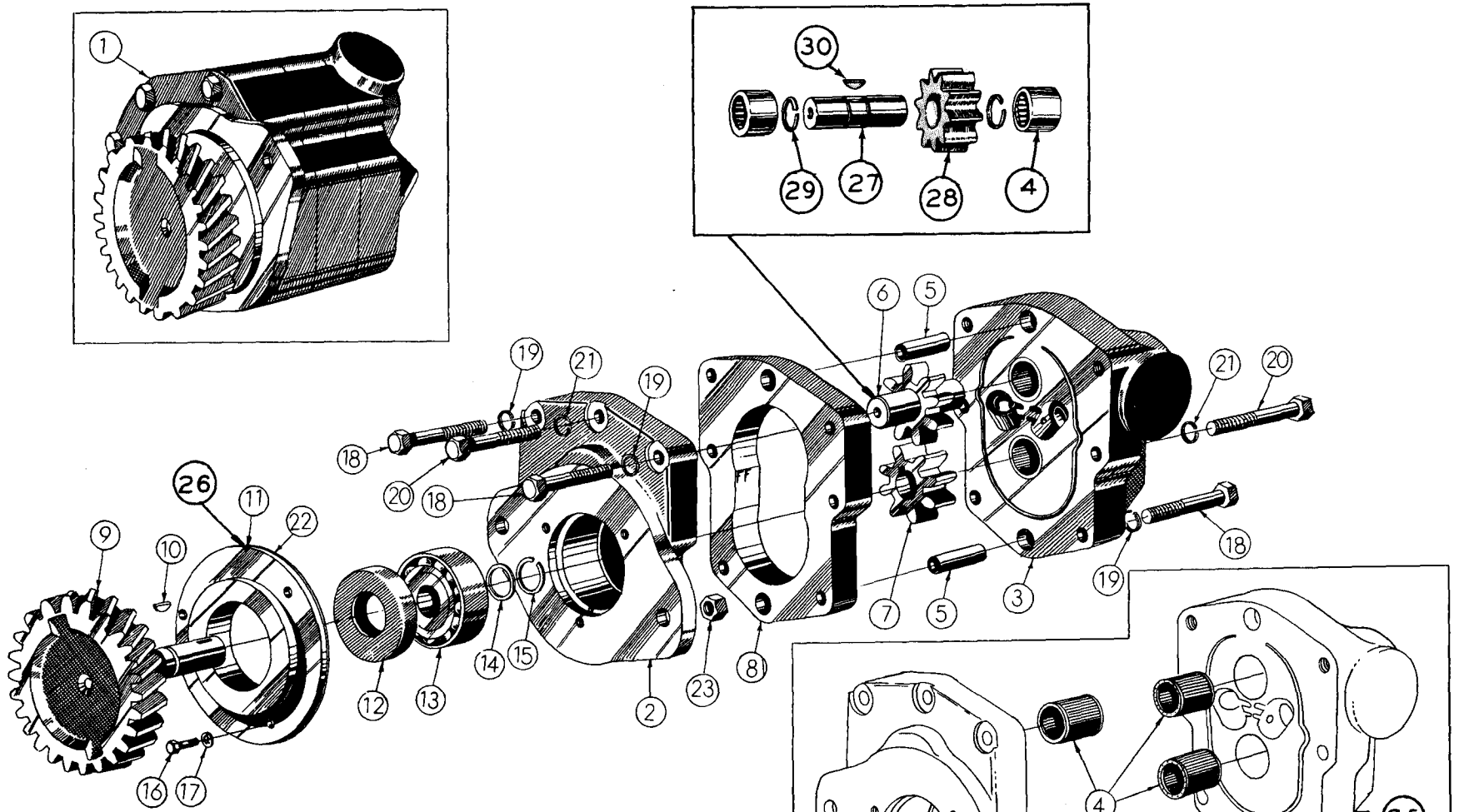
REF.	GROUP NO.	PART NO.	DESCRIPTION	REQ'D
	16130		HYDRAULIC VALVE ASS'Y (INC. REF. # 1 THRU 22)	1
1		16201	1/2 UNIT VALVE HOUSING	1
2		16227	POPPET - RELIEF VALVE	1
3		16404	SPRING - RELIEF VALVE	1
4		16217	SLUG	1
5		16218	ADJUSTING SCREW - RELIEF VALVE	1
6		16219	GASKET - RELIEF VALVE	1
7		48195	HEX JAM NUT (9/16 - 18 NF)	1
8		16219	GASKET - RELIEF VALVE	1
9		48355	CAP NUT (9/16 - 18 NF)	1
10		46900	FILLISTER HD. CAPSCREW 5/16 - 18 NC X 3/4	2
11		16203	SPOOL - FLOAT	1
12		16205	SPRING RETAINER	1
13		16204	SPRING	1
14		16206	SPRING GUIDE ASS'Y	1
15		16211	GASKET - VALVE CAP	1
16		16210	VALVE CAP	1
17		16212	SPRING - CHECK VALVE	1
18		16213	BALL - CHECK VALVE	1
19		16214	SEAT - CHECK VALVE	1
20		41824	PIPE PLUG - EXT. SQ. HEAD - 3/4 NP	1
21		41823	PIPE PLUG - EXT. SQ. HEAD - 1/2 NP	1
22		16202	"O" RING SEAL	1
		41871	PIPE PLUG - ALLEN SOCKET HD. - 1/2 NP	1



31615 HYDRAULIC PUMP INSTALLATION

HYDRAULIC PUMP INSTALLATION

REF.	GROUP NO.	PART NO.	DESCRIPTION	REQ'D.
1	31615		Hydraulic Pump Ass'y. (Inc. Ref. #2 thru 29)	1
2		35694	Body Ass'y. (Inc. Ref. #5 & 23)	1
3		34452	Gear Plate	1
4		35695	Cover Assy. (Inc. Ref. #5 & 24)	1
5		14228	Needle Bearing	3
6		34445	Shaft - Pump Drive	1
7			Reserved	
8		14215	Woodruff Key	1
9		35737	Pilot Plate Assy. (Inc. Ref. #10, 11 & 25)	1
10		34449	Oil Seal	1
11		14221	Gasket	1
12		34447	Flat Head Machine Screw	3
13		14219	Ball Bearing	1
14		34456	Retaining Ring	1
15		34456	Retaining Ring	1
16		14257	Drive Gear	1
17			Idler Gear & Shaft Assy. (Inc. Ref. #26 thru 29)	1
18		14208	Dowel Pin	2
19		14201	HHCS	2
20		14204	Lockwasher	2
21		14202	HHCS	6
22		14203	Lockwasher	6
23		34446	Body - Pump	1
24		34454	Cover - Pump	1
25		34448	Pilot Plate	1
26		34451	Shaft - Idler	1
27		34453	Gear - Idler	1
28		14217	Retaining Ring	2
29		34455	Woodruff Key	1



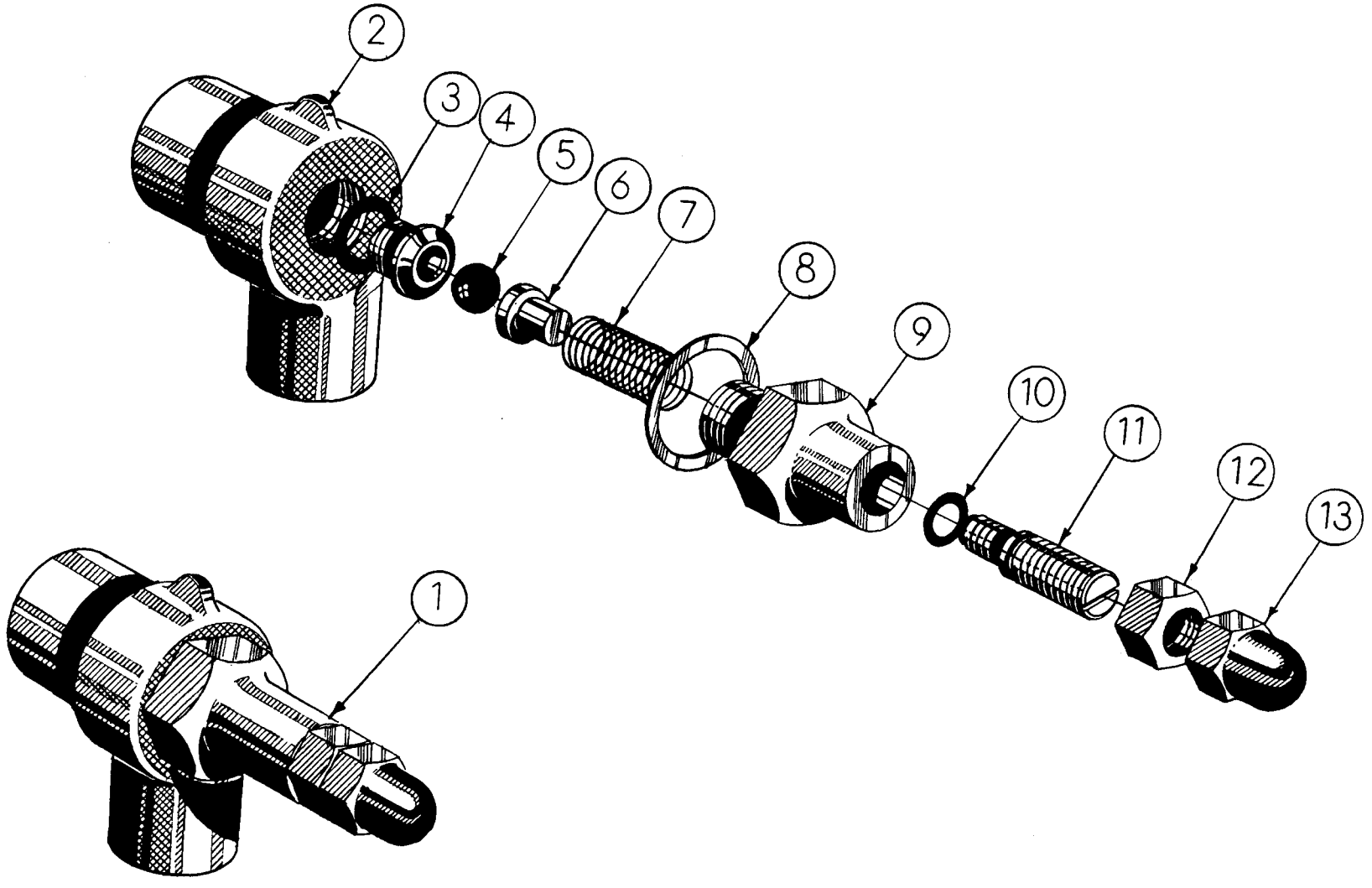
HYDRAULIC PUMP INSTALLATION
16860

16860 HYDRAULIC PUMP (WEBSTER 3-H1CS1-1R)

HYDRAULIC PUMP INSTALLATION

REF.	GROUP NO.	PART NO.	DESCRIPTION	REQ'D.
1	16860		Hydraulic Pump Assy. (Inc. Ref. #1 thru 22)	1
2		33184	Body Assy. (Inc. Ref. #4)	1
3		33187	Pump Cover Assy. (Inc. Ref. #4)	1
4		14228	Needle Bearing	3
5		14208	Dowel Pin	2
6		38382	Idler Gear Assy.	1
7		38383	Drive Gear	1
8		38436	Gear Plate	1
9		14258	Gear - Shaft Assy.	1
10		14215	Woodruff Key	1
11		14220	Pilot Plate Assy. (Inc. Ref. #12-22)	1
12		33192	Oil Seal	1
13		14219	Ball Bearing	1
14		14218	Washer	1
15		14217	Retaining Ring	1
16		14224	Hex. Head Sems Fastener	3
17		48523	Lockwasher - Shakeproof - Internal	3
18		14202	HHCS 5/16 - 18 NC x 1 3/4	6
19		14203	Lockwasher	6
20		14201	HHCS 1/4 - 20 NC x 2	2
21		14204	Lockwasher	2
22		14221	Gasket	1
23		47802	Hex. Nut - Reg. S.F. (16860 Mtg.)	1
24		33185	Body - Less Needle Bearing	1
25		33188	Cover - Pump, Less Needle Bearing	1
26		14222	Pilot Plate - Less Oil Seal	1
27		34451	Shaft - Idler	1
28		38383	Gear - Idler	1
29		14217	Retaining Ring	2
30		34455	Woodruff Key	1

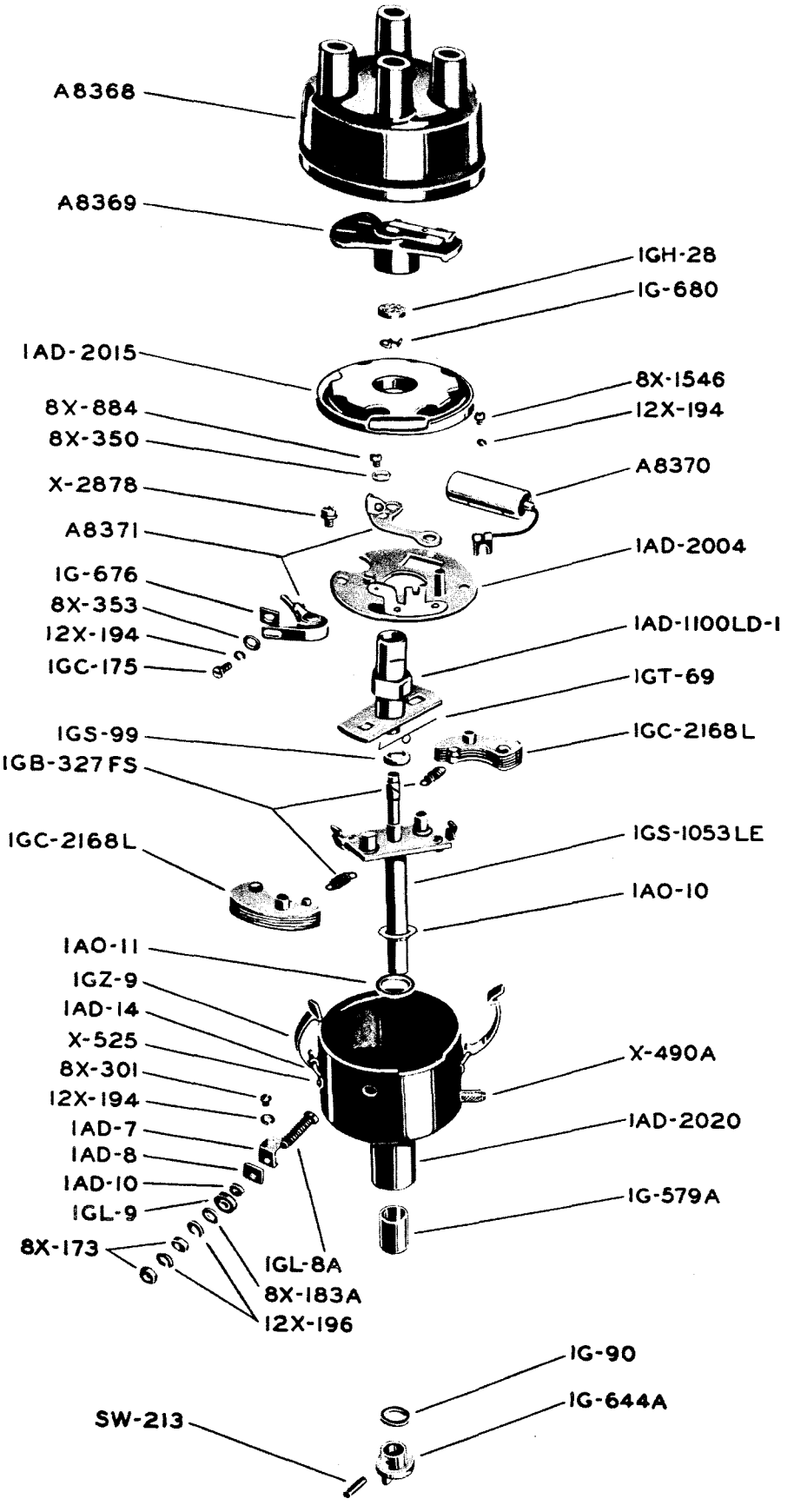
NOTE: Items 27 thru 30 can only be used on pumps manufactured after November 1955 equipped with idler gear keyed to idler shaft.



RELIEF VALVE INSTALLATION

RELIEF VALVE INST.

REF.	GROUP NO.	PART NO.	DESCRIPTION	REQ'D
1	33959		RELIEV VALVE ASS'Y (INC. REF. # 2 THRU 13)	1
2			RESERVED	
3		34118	"O" RING SEAL	1
4		34119	VALVE SEAT	1
5		34117	BALL - RELIEF VALVE	1
6		34120	SPACER - SPRING	1
7		34114	SPRING	1
8		34115	GASKET - BODY CAP	1
9		34113	HEX BODY CAP	1
10		34112	"O" RING SEAL	1
11		34110	ADJUSTING SCREW	1
12		34111	HEX JAM NUT	1
13		34109	ACORN NUT	1

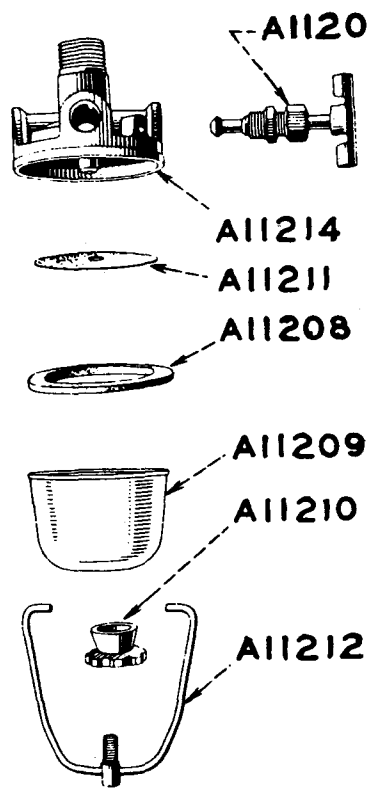

A8368
A8369
IGH-28
IG-680
IAD-2015
8X-1546
8X-884
12X-194
8X-350
A8370
X-2878
A8371
IAD-2004
IG-676
8X-353
12X-194
IGC-175
IAD-1100LD-1
IGT-69
IGS-99
IGC-2168L
IGB-327FS
IGC-2168L
IGS-1053LE
IAO-10
IAO-11
IGZ-9
IAD-14
X-525
X-490A
8X-301
12X-194
IAD-7
IAD-2020
IAD-8
IAD-10
IGL-9
IG-579A
8X-173
IGL-8A
8X-183A
12X-196
IG-90
IG-644A
SW-213

10012 DISTRIBUTOR
(AUTO-LITE #IAD-6004-1B)

PART NUMBER	DESCRIPTION	QUANTITY USED
*A8368	Cap assembly - distributor (Auto-Lite No.IG-1324D)	1
*A8369	Rotor - distributor (Auto-Lite No. IG-1657R)	1
*A8370	Condenser (Auto-Lite No.IGW-3139)	1
*A8371	Contact set - breaker points (Auto-Lite No.IGP-3028FS)	1
GE-98	Gear - follower	1
IAD-7	Connector - terminal stud	1
IAD-8	Insulation - terminal stud, inner	1
IAD-9	Bracket - breaker plate mounting	2
IAD-10	Bushing - insulation terminal stud	1
IAD-12	Connector - terminal	1
IAD-14	Bracket - cap spring	2
IAD-1100LD-1	Cam and stop plate, 4 cyl	1
IAD-2004	Plate assembly - breaker	1
IAD-2015	Plate assembly - dust seal	1
IAD-2020	Base assembly - distributor	1
IAO-10	Washer - drive shaft, inner thrust, upper	1
IAO-11	Washer - drive shaft, outer thrust, upper	1
IG-90	Washer - drive shaft thrust, lower	1
IG-94	Terminal - high tension wire	5
IG-514	Contact - plunger	1
IG-515A	Spring - contact	1
IG-579A	Bearing - drive shaft, bronze	2
IG-676	Clip - contact arm spring	1
IG-680	Snap ring - cam retaining	1
IGB-327FS	Spring - governor weight, set of 2	1
IGC-175	Screw - spring clamp (No.6-32 x 5/16")	1
IGC-2168L	Weight - governor	2
IGH-28	Wick - cam sleeve, felt	1
IGL-8A	Stud - primary terminal	1
IGL-9	Washer - insulated terminal stud	1
IGS-32	Plug - vent hole, rubber	1
IGS-99	Spacer - cam	1
IGS-117	Wick - felt	1
IGS-1053LE	Shaft - distributor drive	1
IGT-69	Spring - anti-rattle	1
IGZ-9	Spring - distributor cap clamp	2
SW-213	Rivet - drive gear	1
8X-173	Nut - hex. terminal stud (No. 10-32)	1
8X-183A	Washer - plain terminal stud, No. 10	1
12X-194	Lockwasher - clamp securing, No. 6	3
12X-196	Lockwasher - terminal stud, No. 10	2
8X-301	Screw - connector, Round Head, No. 6-32 x 3/16"	1
8X-350	Washer - lock, plain contact, Sc. No. 8	1
8X-353	Washer - plain, clamp, Sc. No. 6	1
X-490A	Oiler - distributor shaft bearing	1
X-525	Rivet - clamp spring, tubular	4
8X-884	Screw - breaker contact lock, Fil. Head, No. 8-32 x 3/16"	1
8X-1546	Screw - condenser mounting, Fil. Head, No. 6-32 x 5/32"	1
X-2878	Screw - breaker plate mounting, Fil. Head, No. 10-32 x 5/16"	2

* NOTE: All part numbers listed above with exception of those preceded by an (*) asterisk must be obtained from an Auto-Lite Service Station.

FUEL STRAINER PARTS



PART NUMBER	DESCRIPTION	QUANTITY USED
A11205	Valve - shut off.	1
A11208	Gasket - bowl	1
A11209	Bowl - glass (See A11213)	1
A11210	Cup and Nut - bail.	1
A11211	Screen - strainer	1
A11212	Bail - bowl	1
A11213	Bowl - metal (See A11209)	1
A11214	Head.	1

GENERATOR AND STARTER PARTS

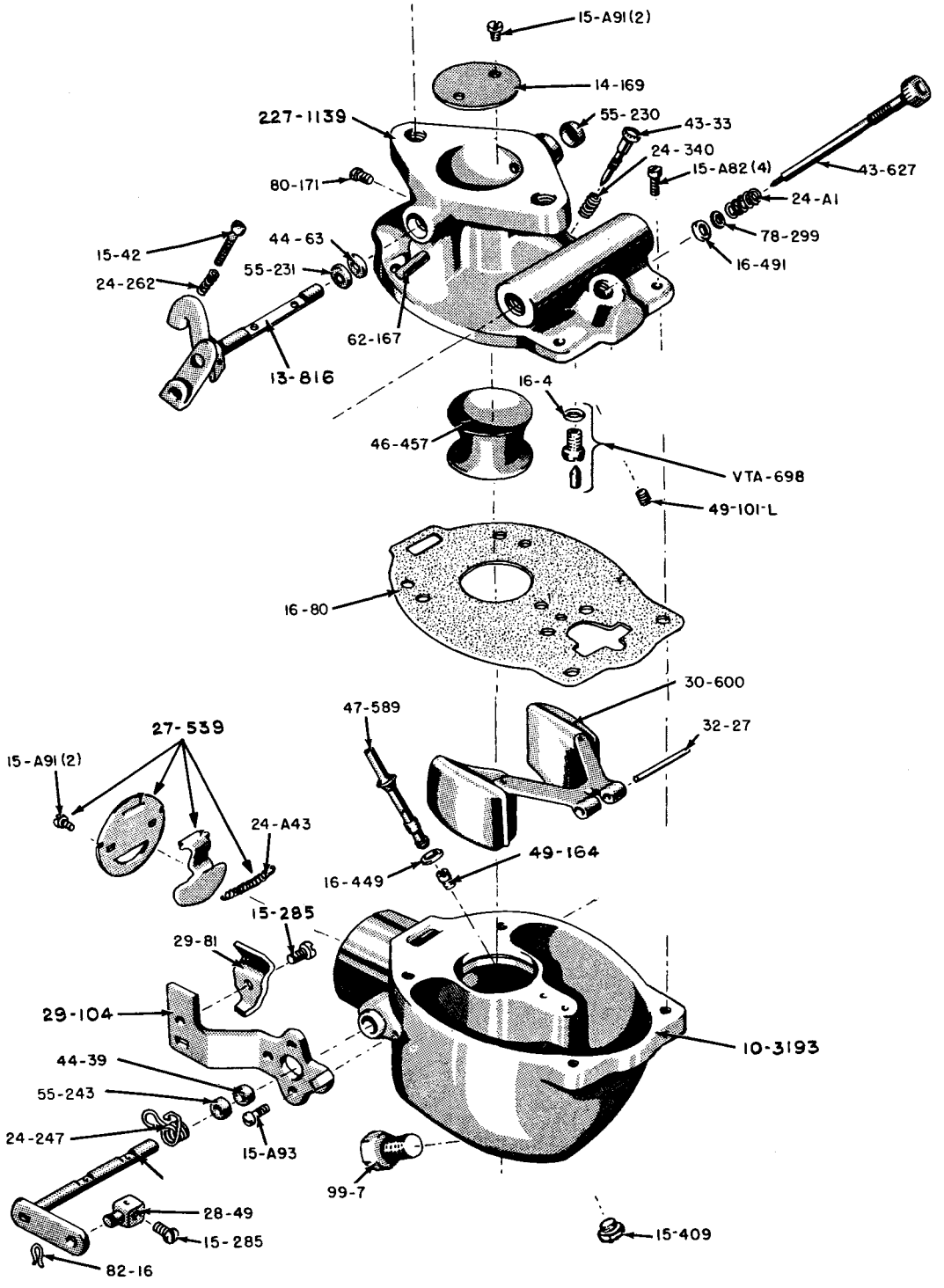
	Repair parts for 30455 Generator Auto-Lite No. GHD6001SS and starting motor 10010 Auto-Lite No. MZ4156 are not handled by J. I. Case Company. Parts for these units can be obtained from an authorized Auto-Lite Service Station.	

FILTER ELEMENT FOR 31543 BREATHER

T14011	Element - for 31543 breather.	

SERVICE KITS FOR MODEL "356" CRAWLER TRACTOR

PART NUMBER	DESCRIPTION	QUANTITY USED
5949	Set of Piston Rings - complete set of 2-in-1 chrome rings	1
5951	Bearing Kit - set of connecting rod bearing liners. Consists of 4 - 10211 bearings and 4 - 10212 bearings.	1
5953	Bearing Kit - set of main bearing liners. Consists of 10181 front, 10182 center, 10183 rear bearing liners and 2 - 10165 thrust washers.	1
5959	Wrist Pin Kit - set of 4 - 34015 piston pins with snap rings.	1
5962	Gasket Set - valve grind job. Consists of 2 - 10356 valve chamber cover nut gaskets. 1 - 10357 valve chamber gasket. 1 - 10455 manifold gasket. 1 - 10553 water outlet gasket. 1 - 34017 head gasket.	1
5971	Kit - oil pump repair Consists of 1 - 10388 drive gear, 1 - 10395 body gasket 1 - 10390 driver gear, 1 - 10397 strainer gasket 1 - 10391 idler gear, 1 - 48753 woodruff key 1 - 10385 shaft, 1 - 10400 pin 1 - 10392 stud - idler gear, 1 - 10386 snap ring	1
5973	Kit - set of cam shaft bushings Consists of 10062 front, 10063 center, and 10064 rear bushings.	1
5982	Ex. Valve Kit - consists of 4 - 10332 valves and 4 - 10337 locks.	1
5984	In. Valve Kit - consists of 4 - 10331 valves and 4 - 10337 locks.	1
5992	Kit - set of intake and exhaust valve guides. Consists of 8 - 10334 valve guides.	1
6004	Engine - special replacement "S" short engine assembly. Consists of cylinder assembly complete with oil pan, oil pump, cylinder head, gear cover, all bearings, bearing caps, pistons, piston rings, valve mechanism, connecting rods, crankshaft, camshaft, crank gear, cam gear, and front end plate.	1
10949	Rain Cap - for tractors equipped with mufflers.	1
10954	Muffler - exhaust	1


15-A91(2)
14-169
227-1139
55-230
43-33
24-340
15-A82(4)
43-627
24-A1
78-299
16-491
80-171
44-63
55-231
15-42
24-262
62-167
13-816
16-4
46-457
VTA-698
49-101-L
16-80
30-600
47-589
32-27
27-539
15-A91(2)
24-A43
16-449
49-164
15-285
29-81
29-104
10-3193
44-39
55-243
24-247
15-A93
99-7
28-49
15-285
82-16
15-409

34005 MARVEL-SCHEBLER CARBURETOR (TSX338)

PART NUMBER	DESCRIPTION	QUANTITY USED
10-3193	Carburetor body assembly	1
#13-816	Throttle shaft, throttle stop and lever assembly	1
14-169	Fly - throttle	1
15-42	Screw - throttle stop	1
15-285	Screw - choker swivel and choker bracket	2
15-A82	Screw - throttle body to bowl	4
#15-A91	Screw - choker fly and throttle fly	4
15-A93	Screw - choker bracket	1
15-409	Screw - nozzle hole	1
*16-4	Gasket - float valve seat	1
*16-80	Gasket - throttle body to bowl	1
*16-449	Gasket - main nozzle	1
*16-491	Gasket - high speed needle	1
#24-247	Spring - choker return	1
24-262	Spring - throttle stop screw	1
#24-340	Spring - idle needle	1
24-A1	Spring - high speed needle	1
24-A43	Spring - choker fly flapper	1
26-660	Choker shaft and lever assembly	1
27-539	Choker fly assembly	1
28-49	Swivel - choker	1
29-81	Clip - choker bracket	1
29-104	Bracket - choker	1
29-528	Bracket - choker assembly	1
30-600	Float and lever assembly	1
#32-27	Shaft - float lever	1
#43-33	Needle - idle adjustment	1
43-627	Needle - high speed	1
#44-39	Packing - choker shaft	1
44-63	Packing - throttle shaft	1
46-457	Venturi	1
47-589	Nozzle	1
#49-101L	Jet - idle	1
#49-164	Jet - power	1
#49-264	Jet - economizer	1
#55-230	Cup - throttle shaft	1
#55-231	Retainer - throttle shaft packing	1
#55-243	Retainer - choker shaft packing	1
62-167	Pin - throttle stop	1
78-299	Washer - plain, high speed needle	1
80-171	Plug - idle drilling	1
82-16	Cotter Pin - choker swivel	1
99-7	Plug - bowl drain	1
227-1139	Body - throttle assembly	1
5013	Repair Kit (286-903) (includes items marked #)	1
34005	Carburetor - Marvel-Schebler TSX338	1
#VTA690	Gasket Kit (includes items marked *)	1
#VTA698	Float Valve, seat, and gasket assembly	1

NUMERICAL INDEX

PART NUMBER	PAGE	PART NUMBER	PAGE	PART NUMBER	PAGE	PART NUMBER	PAGE
5013	146	10083	23	10370	17	10580	36
5481	68	10085	17	10373	20	10589	26
5482	68	10087	20	10374	20	10590	26
5525	78	10089	16-17	10375	30	10592	26
5709	78	10091	20	10376	20	10615	26
5949	144	10092	20	10377	20	10617	18
5951	144	10093	20	10381	23	10618	16
5953	144	10099	34	10382	23	10619	34
5959	144	10101	17	10384	23	10620	34
5962	144	10105	17	10385	23	10621	34
5971	144	10106	17	10386	23	10622	18
5973	144	10107	17	10388	23	10628	26
5982	144	10109	17	10390	23	10709	54
5984	144	10123	28	10391	23	10717	54
5992	144	10127	30	10392	23	10731	47
6004	144	10133	18	10394	23	10786	20
6045	80	10134	18	10395	23	10800	50
6061	102	10142	18	10396	23	10810	50
6062	100	10143	18	10397	23	10811	50
6105	86	10161	20	10398	23	10818	49
6120	76	10163	20	10399	23	10829	50
6129	86	10165	20	10403	24	10855	50
6134	119	10166	20	10406	16	10856	49
6135	119	10167	20	10411	16	10859	36
6153	107	10168	20	10412	16	10860	36-49
6158	84	10171	20	10416	16	10864	36-50
6209	91-94-98	10181	20	10421	18	10868	49
6240	88	10182	20	10422	18	10890	56
7447	113-116	10183	20	10423	18	10893	56
7479	88	10195	20	10424	18	10894	56
10002	30	10200	20	10432	21	10895	56
10004	26	10205	21	10433	21	10896	56
10007	36	10211	20	10441	21	10933	56
10008	36	10212	20	10451	17	10940	78
10009	36	10252	20	10452	18	10943	56-78
10010	36	10261	23	10454	18	10949	144
10012	36-142	10262	23	10455	17	10953	80
10015	17	10264	23	10456	32	10954	144
10017	34	10281	23	10458	32	10972	17
10018	36	10282	20	10465	32	11008	38
10019	36	10283	23	10466	32	11016	38
10020	18	10284	23	10467	32	11025	43
10022	32	10285	23	10468	32	11026	38
10023	28	10294	16	10469	32	11030	43
10026	28	10295	16-17-32	10470	32	11031	43
10027	36	10298	16-17-26	10472	32	11035	43
10029	30	10299	16	10474	32	11037	39
10031	30	10301	16	10480	32	11038	38
10032	30	10311	16	10481	32	11039	38
10033	36	10312	17	10482	32	11043	38
10034	36	10314	26	10493	94	11055	17
10037	18	10315	16	10498	32	11057	18
10040	36	10321	32	10501	26	11250-1	41
10041	36	10322	32	10502	26	11256	41
10042	36	10323	32	10503	26	11257	41
10047	34	10324	32	10504	26	11258	41
10048	34	10331	23	10505	26	11259	41
10049	34	10332	23	10506	26	11260	41
10054	34	10333	24	10507	26	11270	41
10062	23	10334	24	10508	26	11271	41
10063	23	10335	24	10509	26	11272	41
10064	23	10336	24	10514	26	11284	49
10065	23	10337	24	10542	20	11286	6
10070	20	10341	24	10550	16	11287	6
10071	20	10342	24	10553	16	11288	6
10073	18	10344	24	10554	16	11290	98
10075	36	10345	24	10561	16	11350	6
10077	16	10355	17	10562	16	11361	9
10078	18	10356	17	10565	17	11362	9
10079	18	10357	17	10571	16	11363	9
10080	20	10362	17	10572	16	11365	9
10081	18	10363	17	10573	16	11366	9
10082	16	10364	17	10574	16	11367	9

NUMERICAL INDEX - CONTINUED

PART NUMBER	PAGE	PART NUMBER	PAGE	PART NUMBER	PAGE	PART NUMBER	PAGE
11368	9	11454	10	16040	102	17751	104-126
11369	9	11455	6	16043	126	17803	104
11370	9	11456	10	16045	113	17853	100-102
11371	9	11469	43-45-107	16046	126	18574	109-111
11372	9	11470	6-43	16130	104-116-134	18575	105
11373	9	11471	45	16187	100-102	18743	104-114
11374	9	11574	17	16201	134	18930	111
11375	9	11577	23	16202	132-134	18932	111
11376	9	11578	23	16203	132-134	18933	111
11377	9	11808	12	16204	132-134	18939	95
11378	9	11809	12	16205	132-134	18940	104-116
11379	9	11816	12	16206	132-134	18943	104-116
11380	9-120	11817	12	16210	132-134	18944	105-116
11381	9	11822	66	16211	132-134	18945	111
11382	9	11823	12	16212	132-134	18946	105
11383	9	11824	12	16213	132-134	18948	111-116
11385	9	11827	12	16214	132-134	18949	105
11387	10	11828	12	16217	134	18950	105
11389	10	11831	12	16218	132-134	18952	105
11390	10	11832	12	16219	132-134	18953	105
11391	10	11833	12	16227	134	18955	95
11393	10	11845	12	16400	94-132	18969	95
11394	10	11851	66	16403	132	18987	104-116
11395	10	11853	12	16404	132-134	19041	107
11396	10	11916	12	16408	132	19055	107
11397	10	11921	34	16409	132	19178	95-109-111
11398	10	11930	66	16410	132	19194	95
11399	10	11933	10	16411	132	19195	109
11400	10	11934	12-14	16412	132	19196	109
11401	10	11935	14	16413	132	19201	96
11402	10	11937	14	16569	100	19202	96
11403	10	11938	10	16628	109-111	19207	96
11404	6	11966	10	16675	94-104-116	19209	109-111
11408	6	11967	10	16678	94	19219	95
11409	6	12088	58	16679	100-102	19220	96
11410	6	13038	114	16692	104	19223	104-116
11412	6	13039	4	16693	104	19225	95
11414	6	13043	4	16694	104-116	19226	95
11415	6	13044	4	16720	100	19227	95
11416	6-7-120	13049	4	16726	104	19228	95
11417	6	13073	4	16732	100	19229	109
11418	6	13103	14	16741	100	19230	109
11419	6	13107	4	16747	100-102	19231	95
11420	6	13108	4	16750	102	19262	116
11421	6	13109	4	16757	100	20035	113
11422	6	13635	47	16758	100	20041	114
11423	6	13640	47	16792	100	20044	114
11424	6	13647	94-104-116	16798	100	20045	114
11425	7	13756	70	16860	104-116-138	20046	114
11426	7	13757	70	16947	132	20052	114
11427	7	13758	78	17134	100-102	20055	114
11429	10	13759	70	17179	95-96-105	20056	114
11430	7	13767	54	17578	122	20057	114
11431	6	14201	136-138	17584	122	20058	114
11432	6	14202	136-138	17585	62-64-82-	20059	114
11433	6	14203	136-138		91-92	20060	114
11434	6	14204	136-138	17586	91-92-122	20064	114
11435	6	14208	136-138	17590	114-130	20072	114
11436	6	14215	136-138	17591	126-130	20088	113
11437	6	14217	136-138	17592	126-130	20089	113
11438	6	14218	138	17593	130	20095	114
11439	6	14219	136-138	17594	130	20107	113
11440	6	14220	138	17597	124-126-	20109	113
11441	6	14221	136-138		128-130	20129	113
11445	6	14222	138	17598	124-126-	20135	113
11446	9	14224	138		128-130	20142	113
11447	9	14228	136-138	17599	130	20143	113
11448	9	14257	136	17603	124-126-	22998	119
11449	9-119-120	14258	138		128-130	22999	119
11450	9	15082	58	17606	92-124-126-	23009	119
11451	9	15101	58		128-130	23012	119
11452	9-119	15521	4	17628	126	23013	119
11453	9-119-120	15526	54	17631	104	23014	119

NUMERICAL INDEX - CONTINUED

PART NUMBER	PAGE
23015	119
23016	9-119
23018	119
23019	119
23022	119
23023	119
23024	119
23025	119
23027	120
23030	119
23031	119
23032	119
23033	119
23034	120
23035	119
23036	119
23037	120
23038	119
23039	120
23040	120
23041	120
23042	120
23043	119
23044	119
23045	120
23046	120
23053	119
23054	119
23073	119
23074	120
23077	119
23080	119
23087	119
23088	119
23089	120
23093	120
23094	120
23095	120
23096	120
23097	120
23098	120
23099	120
30279	16
30360	36
30362	36
30431	20-23-26-28-30-32-34-36
30438	16-17-23-32-36
30454	36
30455	36
30460	26
30461	36
30470	4
30474	4
30478	58
30479	58
30480	94
30541	38
30542	38
30544	38
30567	122
30568	122
30569	122
30570	122
30571	122
30574	122
30575	122
30576	122
30613	122
30621	45
30622	43
30623	43
30624	107-128
30628	124-128
30629	128
30630	124-126-128-130
30631	124-126-128-130
30633	128
30634	91-92-124-128
30638	68
30639	68
30640	94
30678	50
30704	60-62-64
30707	62
30716	54
30718	62
30739	54
30747	54
30780	47
30794	52
30815	4
30842	49
30863	50
30864	50
30866	50
30870	56
30875	56
30889	92
30891	56
30915	49
30916	49
30917	49
30918	49
30919	49
30920	49
30934	49
30937	49
30938	49
30957	92
30959	92
30988	88
30995	88
31003	38
31004	38
31005	38
31006	38
31022	38
31024	38
31028	38
31032	38
31042	38
31068	92
31109	91
31112	82
31134	66
31139	91
31146	91-92
31147	92
31148	92
31149	91
31162	91
31163	62
31165	62
31173	28
31176	34
31294	78
31306	91
31318	91
31323	91
31337	91
31365	10
31375	94-104-109-111-116
31386	45
31387	45
31400	45
31515	20
31543	94-104-116
31576	98
31577	98
31608	91-122
31609	91-122
31615	94-136
31618	91
31636	91
31665	96
31696	107
31714	107
31715	107
31716	107
31752	107
31769	88
31845	58
31846	58
31847	58
31848	58
31877	74
31878	74
31879	74
31880	74
31881	74
31882	74
31884	73
31885	73
31886	73
31887	73
31888	73
31889	73
31891	73
31892	73
31893	73
31894	73
31895	73
31896	73
31903	78
31928	92
31989	84
32032	60
32051	60-62-64
32055	60
32056	60
32065	64
32066	64
32067	64
32068	64
32069	64
32074	64
32076	60
32093	58
32094	58
32095	58
32096	58
32123	78
32140	58
32141	58
32167	82
32169	82
32181	58
32182	58
32258	10
32264	76
32265	76
32266	76
32267	76
32296	76
32332	58
32369	10
32395	80
32396	47
32542	58
32554	73
32555	74
32556	73
32557	73
32558	74
32559	74
32598	92
32599	92
32647	16
32649	92
32678	17
32798	95-104-116
32799	104
32830	68
32836	68
32838	74
32848	74-98
32849	68
32880	73
32881	73
32882	73
32883	73
32884	73
32913	74
32914	74
32915	74
32916	74
32977	74
32978	95-96-105-111-117
32981	73
32982	73
32983	73
32984	73
32985	73
32986	73
32988	74
32989	74
32990	74
32991	74
32994	68
32995	68
32998	73
32999	73
33046	14
33047	14
33067	14
33093	47
33094	66
33110	14
33117	66
33118	66
33119	66
33120	66
33121	66
33123	66
33124	66
33125	66
33127	66
33179	66
33184	138
33185	138
33187	138
33188	138
33192	138
33267	80
33285	68

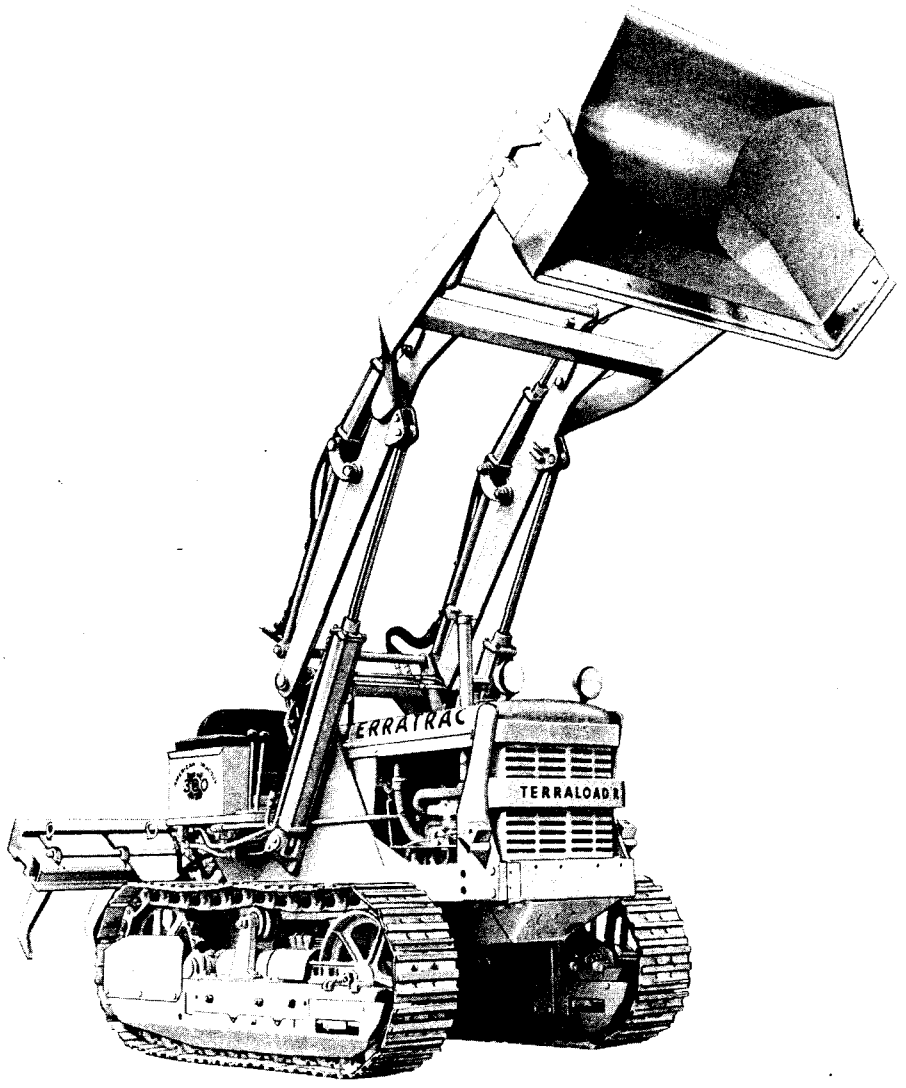
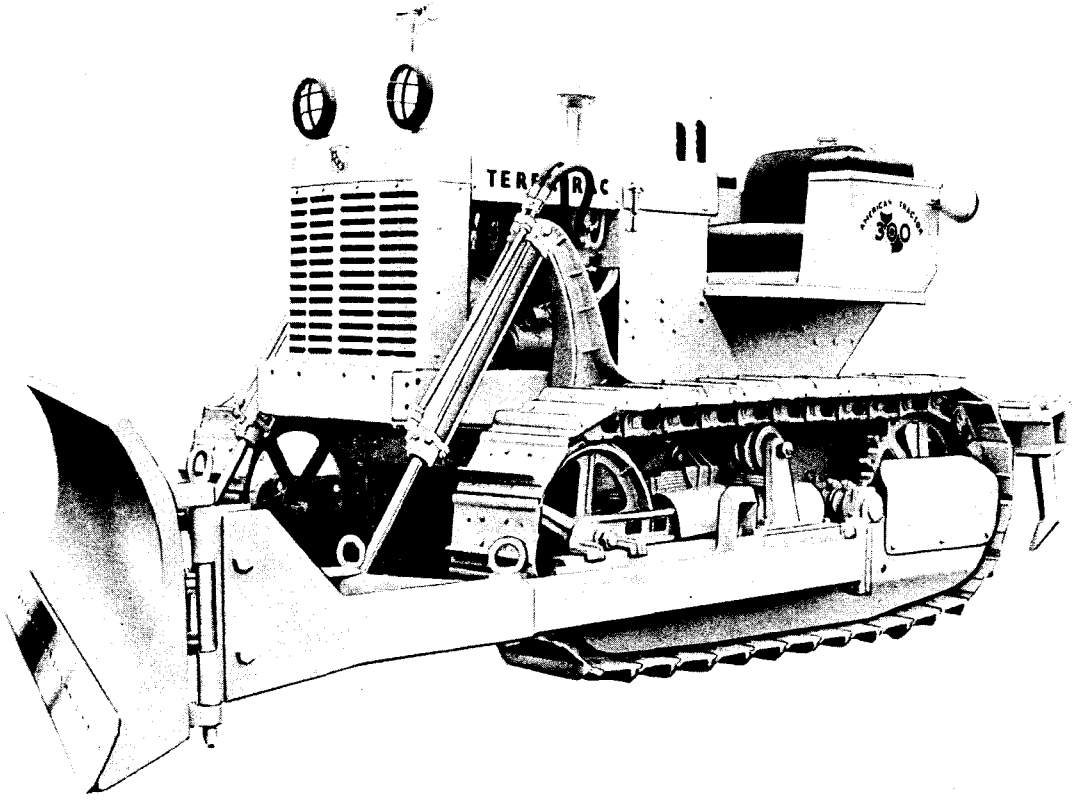
NUMERICAL INDEX - CONTINUED

PART NUMBER	PAGE
33286	68
33308	54
33432	82
33487	52
33496	94
33522	56
33524	56
33526	47
33529	47
33545	56
33547	56
33595	45
33598	45
33600	45
33603	45
33604	45
33605	45
33606	45
33669	49
33673	50
33676	98-100-102
33769	124
33771	124
33888	96-105
33941	49
33959	94-140
33965	92
33984	86
34003	26
34005	30-146
34008	28
34012	20
34013	20
34014	20
34015	20
34017	16
34019	20
34026	16
34109	140
34110	140
34111	140
34112	140
34113	140
34114	140
34115	140
34117	140
34118	140
34119	140
34120	140
34128	92-124
34137	86
34153	113
34154	113
34158	113
34159	113
34160	113
34162	113
34259	95
34264	96
34266	94
34269	92
34270	92
34276	92
34349	107
34353	107
34354	107
34358	107
34389	96
34398	50
34402	116
34406	117
34407	116
34409	124
34439	95
34445	136
34446	136
34447	136
34448	136
34449	136
34451	136
34452	136
34453	136
34454	136
34455	136-138
34456	136
34459	82
34460	82
34479	96
34480	96
34558	66
34559	66
34571	68
34574	47
34589	68
34592	9
34594	10
34600	128
34702	47
34876	74
34877	74
34878	74
34879	74
34880	74
34881	74
34965	54
35074	94-104-116
35129	10
35130	9
35310	109-111
35646	105
35647	105
35694	136
35695	136
35700	116
35737	136
36225	124-128
36226	122
36229	122
36259	124-126-128-130
36546	18
36596	26
36697	38
38382	138
38383	138
38436	138
40000	38
40001	38
40002	12
40003	12
40007	60-62-64
40017	12
40040	119
40500	38
40600	38
40610	12
40633	60-62-64
40634	120
41415	80
41418	116
41470	94
41475	54
41580	80
41640	34
41670	80
41672	26
41673	116
41820	16-18-96-105
41821	16
41823	9-132-134
41824	132-134
41825	9
41838	12-16
41853	54
41871	134
41899	18
41903	54
41973	47
45002	36
45003	18-23-36
45004	47
45027	18-38
45029	16-17-54-94
45031	36
45053	9-16-18-54
45055	10
45056	36-94
45057	12
45058	38
45060	17
45061	26-49
45080	36
45082	10-18-23
45083	17-39
45107	7
45131	6-10
45156	45
45157	10
45158	94
45159	4
45162	43
45182	10
45415	132
45602	56
45604	49
45629	50
45630	54
45631	49-95-96-105
45632	105-111
45633	96
45634	96
45635	117
45652	64
45654	47-56-86
45656	45-47-49-50-54-94-104-116
45657	49-104-116
45658	39-45
45660	38-39
45664	111
45667	92
45682	43
45687	12
45706	91
45707	45-54-76-78-88
45708	4-60-76-78
45709	4-76
45711	82
45712	84
45716	64-91
45718	92
45719	94-104-116
45721	91
45758	58-66-82-107
45759	4-10-62-113
45760	14-104
45761	91-113-114
45762	14-104
45763	82-113
45764	58-91
45765	113
45782	100-102
45784	58-100-102
45786	91
45787	14
45788	14
45791	100-102
45794	4-113
45797	113
45843	92
45846	82
45847	91-92
46493	58
46495	100-102
46505	10
46711	100-102
46900	132-134
46924	91
46941	109
46944	68
46951	38
47301	66
47306	94
47704	12
47730	54
47735	86
47801	109-111
47802	49-66-138
47804	100-102
47860	36
47861	16-28-30-34
47863	17
47892	54
48056	54-56
48070	124-126-128-130
48081	50
48092	68-74
48100	30-49
48101	49-50-54-95-96-105-111-117
48102	38-39-45-47-49-50-54-56-86-94-104-109-111-116
48103	12-43
48104	4-43-45-54-64-76-78-82-84-88-91-94-104-116
48105	132
48106	4-10-14-58-82-91-104-107-113-114
48107	4-14-58-91-100-102-113
48161	36-41
48162	21
48192	45
48194	49
48195	134
48199	58
48312	21
48354	56
48355	132-134
48378	122
48404	36
48405	56-116

NUMERICAL INDEX - CONTINUED

PART NUMBER	PAGE
48406	54-56
48412	113
48416	92
48428	82
48444	18-23-30-36-47-49-56
48445	34-38-41-49-50-54-94-95-96-105-111-116
48446	10-12-16-17-18-23-26-32-36-38-39-45-47-49-50-54-56-64-86-94-104-109-111-116
48447	10-12-16-17-23-39-43
48448	4-7-45-54-60-64-76-78-82-84-88-91-94-100-102-104-116-132
48449	6
48450	4-10-14-43-45-58-62-66-82-91-94-104-107-113-114
48452	4-14-58-91-100-102-113
48465	16-17-28-36
48487	36
48523	138
48525	17-30
48526	9-21
48527	18
48549	50
48601	49
48603	45
48605	43-82
48661	49-94-104-116
48665	43-82
48672	94-104-116
48674	49
48682	38
48683	6-21
48693	45-49
48695	43-82-114
48699	113-114
48714	41
48720	114
48736	107
48737	107
48738	107-114
48739	4-104
48753	23
48756	23
48759	6
48760	6
48762	38-39
48764	20
48816	45
49042	113-114
49200	38-60-62-91-92-113-122
49217	91-124-128
49232	58-64
49260	41
49275	38-43
49381	122
49382	124-126-128-130
49482	124-126-128-130
49561	56
49763	54-95
49764	50
49766	104-116
49788	49
49789	95
49792	80
49821	92
49851	52
49852	50
49853	50
49855	95
49876	50
50024	109-111
50027	94-95-104-116
50029	95-104-116
50030	95
50114	95-96-105-109-111-116
50116	95-104-105-116-117
50144	116
50146	95-104-116
50257	95
50464	28-34-38-52
50476	49
50571	95-96-105
51040-12	38
51040-36	49
51041-12	52
60374	116
60659	49
70549	91
A8368	142
A8369	142
A8370	142
A8371	142
A11205	143
A11208	143
A11209	143
A11210	143
A11211	143
A11212	143
A11213	143
A11214	143
T14011	143
VTA690	146
VTA698	146

PART NUMBER	PAGE
MARVEL-SCHEBLER PARTS	
10-3193	146
13-816	146
14-169	146
15-42	146
15-285	146
15-A82	146
15-A91	146
15-A93	146
15-409	146
16-4	146
16-80	146
16-449	146
16-491	146
24-247	146
24-262	146
24-340	146
24-A1	146
24-A43	146
26-660	146
27-539	146
28-49	146
29-81	146
29-104	146
29-528	146
30-600	146
32-27	146
43-33	146
43-627	146
44-39	146
44-63	146
46-457	146
47-589	146
49-101L	146
49-164	146
49-264	146
55-230	146
55-231	146
55-243	146
62-167	146
78-299	146
80-171	146
82-16	146
99-7	146
227-1139	146


TERRALOADER