

PARTS MANUAL

S-II

PACKMASTER



IMPORTANT

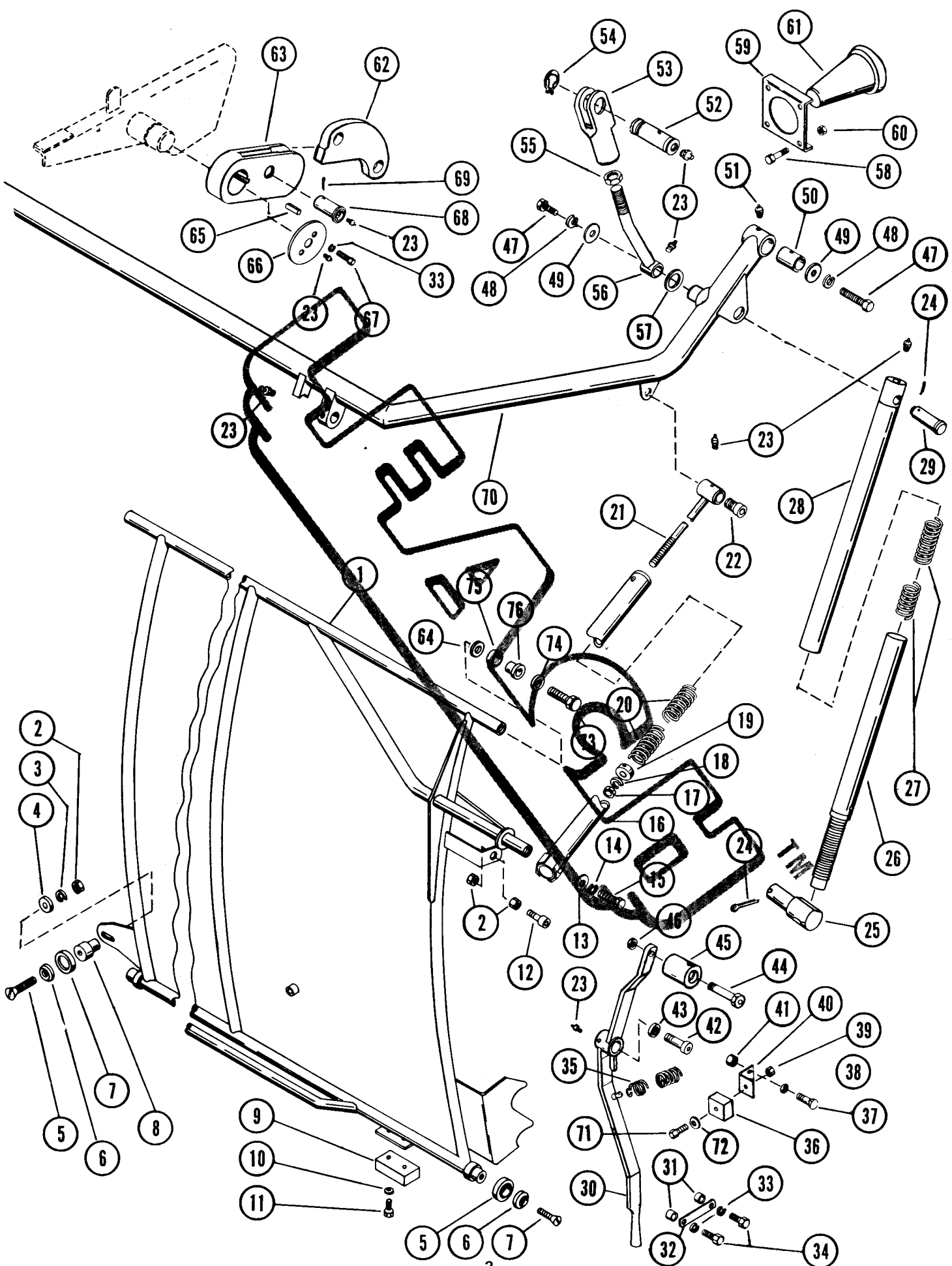
To minimize processing time, eliminate errors and cut down correspondence, the following information should be on all parts orders:

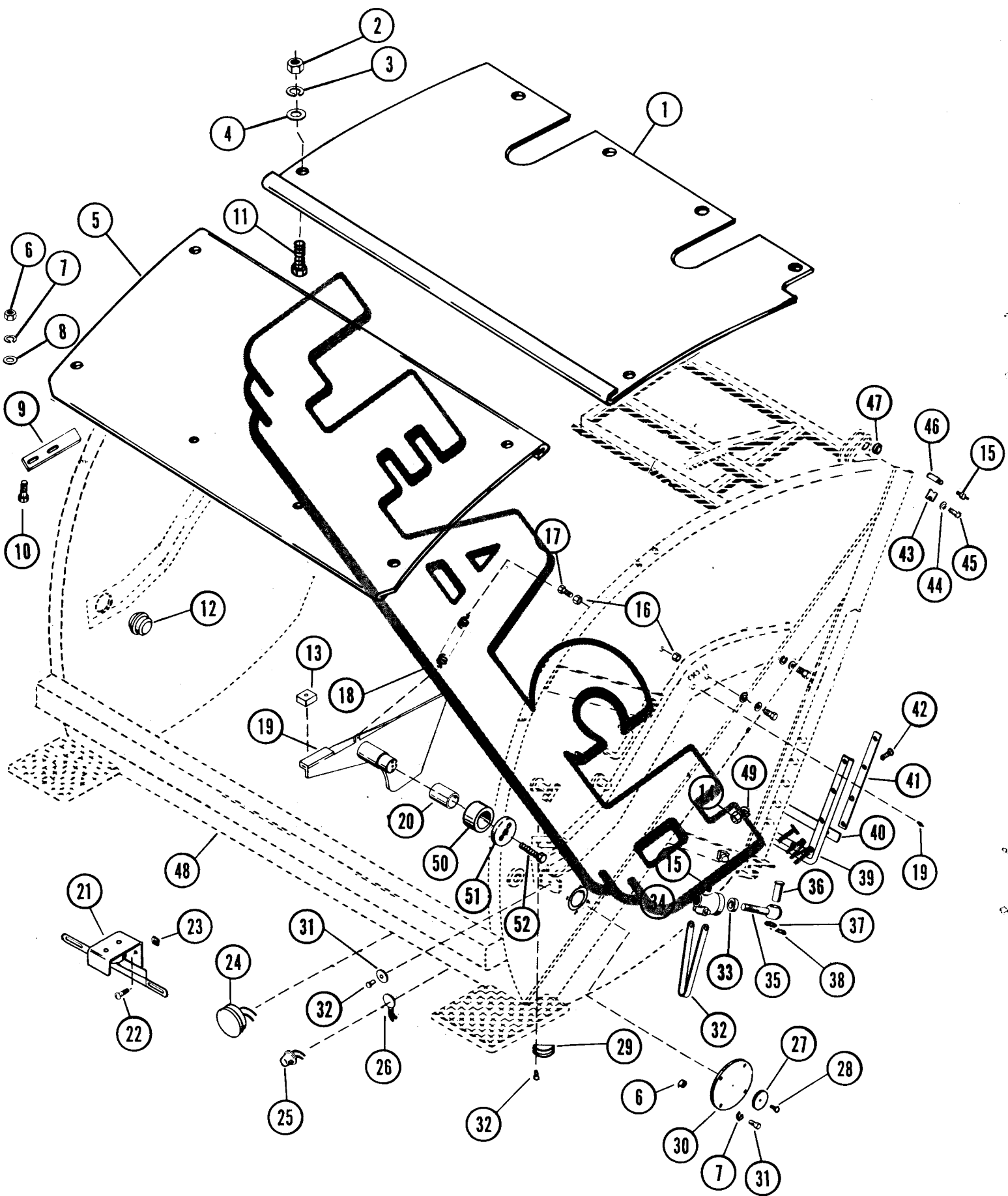
- A Your company name**
- B Date**
- C Your order number**
- D Routing instructions**
- E Quantity, part number and description**
- F Model and serial number of unit parts are for**
- G Your signature**

Be sure to insist on genuine Leach replacement parts.

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TAILGATE ASSEMBLY

CAUTION

Order parts by part number NOT by reference number. Any part ordered by reference number will be disregarded.

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	31938	SHEET, top upper	1	27	16136	REFLECTOR, red	4
2		NUT, Hex 1/2-13 thread	12	28	16133	RIVET, pop	10
3		LOCKWASHER, 1/2 med. split	12	29	16132	LAMP, red marker	2
4		PLAIN WASHER, 1/2 med.	12	30	SK-883	SIDE COVER	2
5	31939	SHEET, top lower	1	31		BOLT, Hex hd. 3/8-16 thread x 3/4	8
6		NUT, Hex 3/8-16 thread	9	32	*PO-2303	HANDLE	2
7		LOCKWASHER, split 3/8 med.	9	33	*16162	BEARING	2
8		PLAIN WASHER, 3/8 med.	1	34	*PO-2300	HUB CLAMP	2
9	SR-7711	ROLLER STOP, left	1	35	PO-247	BOLT, tailgate clamp	2
10		STOVE BOLT, Round hd. 3/8-16 thread	1	36	PO-1501	PIN, guide	2
11		BOLT, Hex hd. 1/2-13 thread x 1-1/4 lg.	4	37	PO-687	SPACER, clamp ear	12
12	15046	BUMPER, rubber	2	38		PIN, cotter 1/4 x 1-1/2 lg.	2
13	12150-2	BLOCK, square rubber	2	39	P-16-189	SEAL, tailgate rubber	1
14		NUT, Hex hd. 3/8-16 thread	19	40	P-16-191	BAR, seal cross	1
15	*16170	FITTING GREASE	6	41	P-16-190	BAR, seal side	2
16		NUT, hex hd. 5/16-18 thread	4	42		CAPSCREW, Flat, socket hd., 3/8-16 thd. x 1-1/4 lg.	19
17		BOLT, Hex hd. 5/16-18 thread x 1 lg.	2	43	PO-410	RETAINER, pin	2
18	180-1	SPRING, tension	2	44		LOCKWASHER, split 5/8 med.	2
19	SR-7112	PLATE, angle R.H.	1	45		CAPSCREW, Hex hd. 5/8-11 thread x 1-1/4 lg.	2
	SR-7113	PLATE, angle L.H.	1	46	PO-1227	PIN, tailgate hinge	2
20	SK-2233	BUSHING	2	47	977-1	SPACER, 2 x 1-17/32, 10 ga.	4
21	16159	BRACKET, license	1		977-7	SPACER, 2 x 1-17/32, 1/16	2
22		SCREW, Rd. hd. No. 10-32 thread x 3/4 lg.	2	48	31613	TAILGATE WELDMENT	1
23		NUT RETAINER	2	49		LOCKWASHER, split med. 3/8	19
24		TAIL LIGHT, (furnished by truck manufacturer)	2	50	SR-8197	PIPE PLUG, Sq. hd. 1-1/4 (not shown)	1
25	16158	BACK-UP LIGHT, white	2	51	SR-7122	SPACER	2
26	16128	TURN LIGHT, red	2	52		COVER	2
						BOLT, Hex hd., 3/8-16 thd. x 3/4	2

* Included in PO-2299 Handle Assembly

BE SURE TO SPECIFY MODEL AND SERIAL NUMBER WHEN ORDERING PARTS

TAILGATE ASSEMBLY

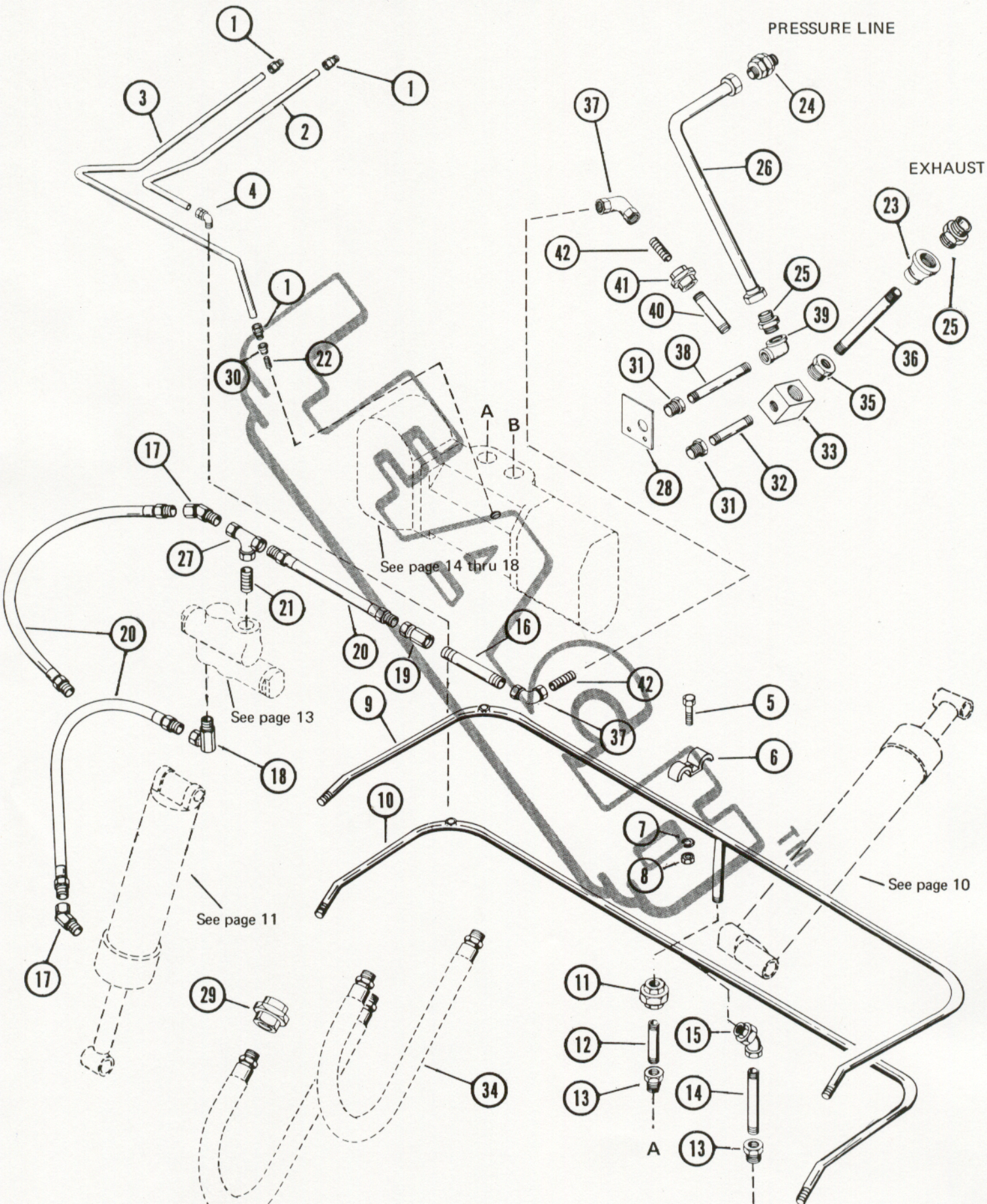
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4		PLAIN WASHER, 1/2 med.	12	30	SK-883	SIDE COVER	2
5	31939	SHEET, top lower	1	31		BOLT, Hex hd. 3/8-16 thread x 3/4	8
6		NUT, Hex 3/8-16 thread	9	32	*PO-2303	HANDLE	2
7		LOCKWASHER, split 3/8 med.	9	33	*16162	BEARING	2
8		PLAIN WASHER, 3/8 med.	1	34	*PO-2300	HUB CLAMP	2
9	SR-7711	ROLLER STOP, left	1	35	PO-247	BOLT, tailgate clamp	2
10		STOVE BOLT, Round hd. 3/8-16 thread	1	36	PO-1501	PIN, guide	2
11		BOLT, Hex hd. 1/2-13 thread x 1-1/4 lg.	4	37	PO-687	SPACER, clamp ear	12
12	15046	BUMPER, rubber	2	38		PIN, cotter 1/4 x 1-1/2 lg.	2
13	12150-2	BLOCK, square rubber	2	39	P-16-189	SEAL, tailgate rubber	1
14		NUT, Hex hd. 3/8-16 thread	19	40	P-16-191	BAR, seal cross	1
15	*16170	FITTING GREASE	6	41	P-16-190	BAR, seal side	2
16		NUT, hex hd. 5/16-18 thread	4	42		CAPSCREW, Flat, socket hd., 3/8-16 thd. x 1-1/4 lg.	19
17		BOLT, Hex hd. 5/16-18 thread x 1 lg.	2	43	PO-410	RETAINER, pin	2
18	180-1	SPRING, tension	2	44		LOCKWASHER, split 5/8 med.	2
19	SR-7112	PLATE, angle R.H.	1	45		CAPSCREW, Hex hd. 5/8-11 thread x 1-1/4 lg.	2
	SR-7113	PLATE, angle L.H.	1	46	PO-1227	PIN, tailgate hinge	2
20	SK-2233	BUSHING	2	47	977-1	SPACER, 2 x 1-17/32, 10 ga.	4
21	16159	BRACKET, license	1		977-7	SPACER, 2 x 1-17/32, 1/16	2
22		SCREW, Rd. hd. No. 10-32 thread x 3/4 lg.	2	48	31613	TAILGATE WELDMENT	1
23		NUT RETAINER	2	49		LOCKWASHER, split med. 3/8	19
24		TAIL LIGHT, (furnished by truck manufacturer)	2	50	SR-8197	PIPE PLUG, Sq. hd. 1-1/4 (not shown)	1
25	16158	BACK-UP LIGHT, white	2	51	SR-7122	SPACER	2
26	16128	TURN LIGHT, red	2	52		COVER	2
						BOLT, Hex hd., 3/8-16 thd. x 3/4	2

* Included in PO-2299 Handle Assembly

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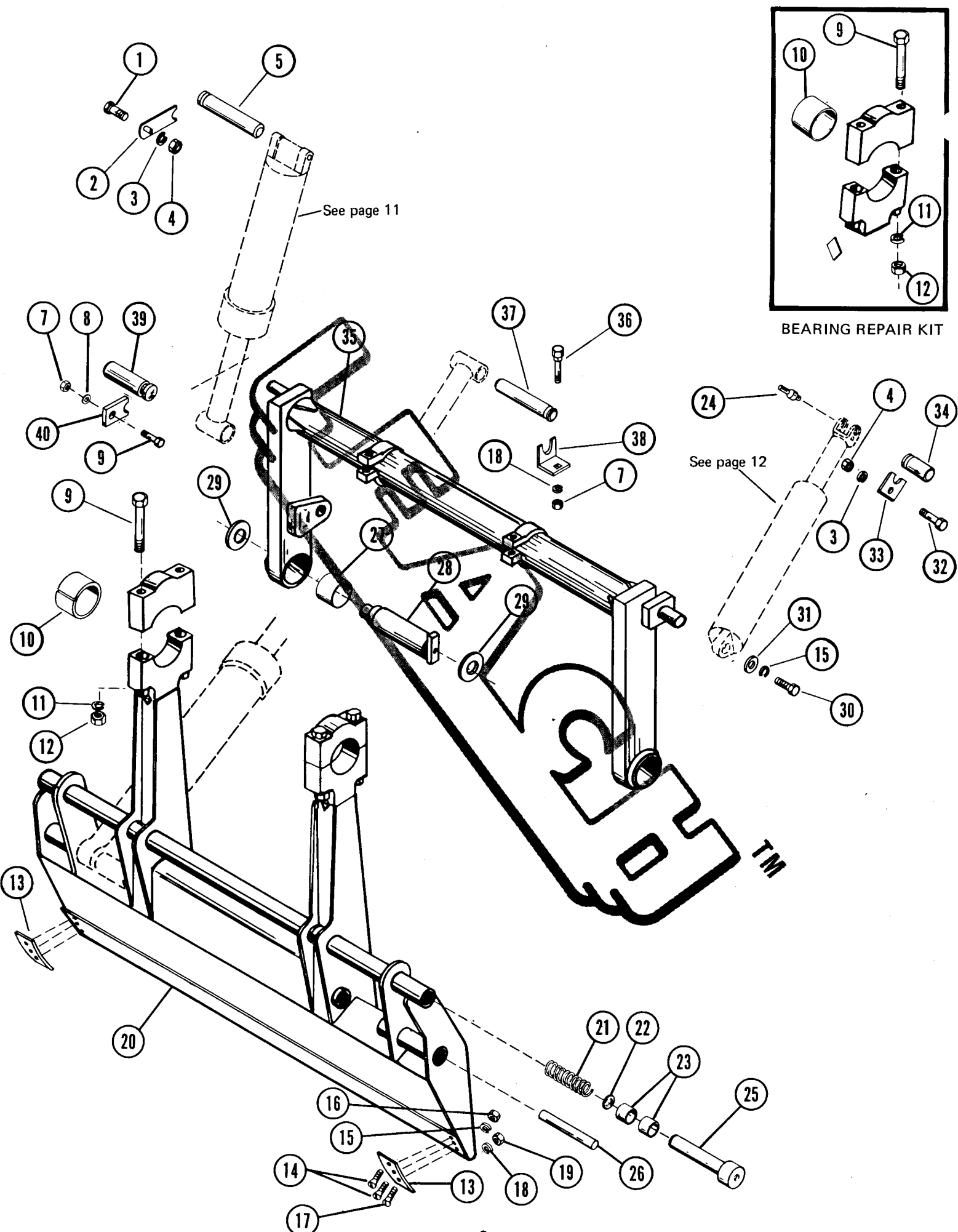
TAILGATE TUBING

CAUTION

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Ref. No.	Part No.	Description	Qty.
1	1309	CONNECTOR, Male 3/8 tube x 1/4 pt.	3
2	P-16-477	TUBE, Pushout cylinder	1
3	P-16-1169	TUBE, Automatic clamp 3/8	1
4	1308	ELBOW, 90 1/4 pt. x 3/8 tube	1
5		BOLT, Hex. hd. 3/8-16 th x 1-1/4 lg.	2
6	20388	CLAMP, Pipe 2-5/8	2
7		LOCKWASHER, 3/8 med. split	2
8		NUT, Hex. hd. 3/8-16 th	2
9	SR-6489	PIPE, outside	1
10	SR-6490	PIPE, inside	1
11	1372	UNION, Female 3/4	1
12	D-21381	NIPPLE, Pipe 3/4 x 3-1/4 lg.	1
13		BUSHING, 3/4 to 1	2
14	D-21292	NIPPLE, Pipe 3/4 x 5-1/2 lg.	1
15	1371	ELBOW, Union, female 3/4 x 45°	1
16	D-21351	NIPPLE	1
17	1368	ELBOW, 1/2" x 90°	1
18	1367	ELBOW, 90°	1
19	1362	UNION	1
20	SK-1191	HOSE, flexible	3
21	SK-1818	NIPPLE	1
22	P-16-1168-3	NIPPLE, close	1
23		REDUCER COUPLING, 3/4 - 1-1/4	1
24	16123	UNION, Pipe 1-1/4	1
25	16122	CONNECTOR, Male 1-1/4 tube	1
26	P-16-1133	TUBE, Tailgate pressure 1-1/4	2
27		TEE	1
28	P-16-553	SUPPORT, Pipe nipple	1
29	1363	UNION, female	4
30	P-16-1168-4	REDUCER	1
31		BUSHING, Pipe hex. 3/4 to 1	2
32	D-21295	NIPPLE, Pipe 3/4 x 4-1/4 lg.	1
33	P-16-387	BLOCK, Side outlet 1/2 x 3/4 x 1-1/4	1
34	SK-5366	HOSE	4
35		REDUCER BUSHING, 3/4 x 1-1/4	1
36		NIPPLE, Pipe 3/4 x 8-1/2	1
37		ELBOW, Pipe 1/2 x 90°	2
38	D-21304	NIPPLE, Pipe 3/4 x 7 lg.	1
39		ELBOW, Pipe reducing 1-1/4 x 3/4	1
40	D-21351	NIPPLE, Pipe 1/2 x 4-3/4 lg.	1
41	1373	UNION, Pipe 1/2 x 1/2	1
42	21269	NIPPLE	2

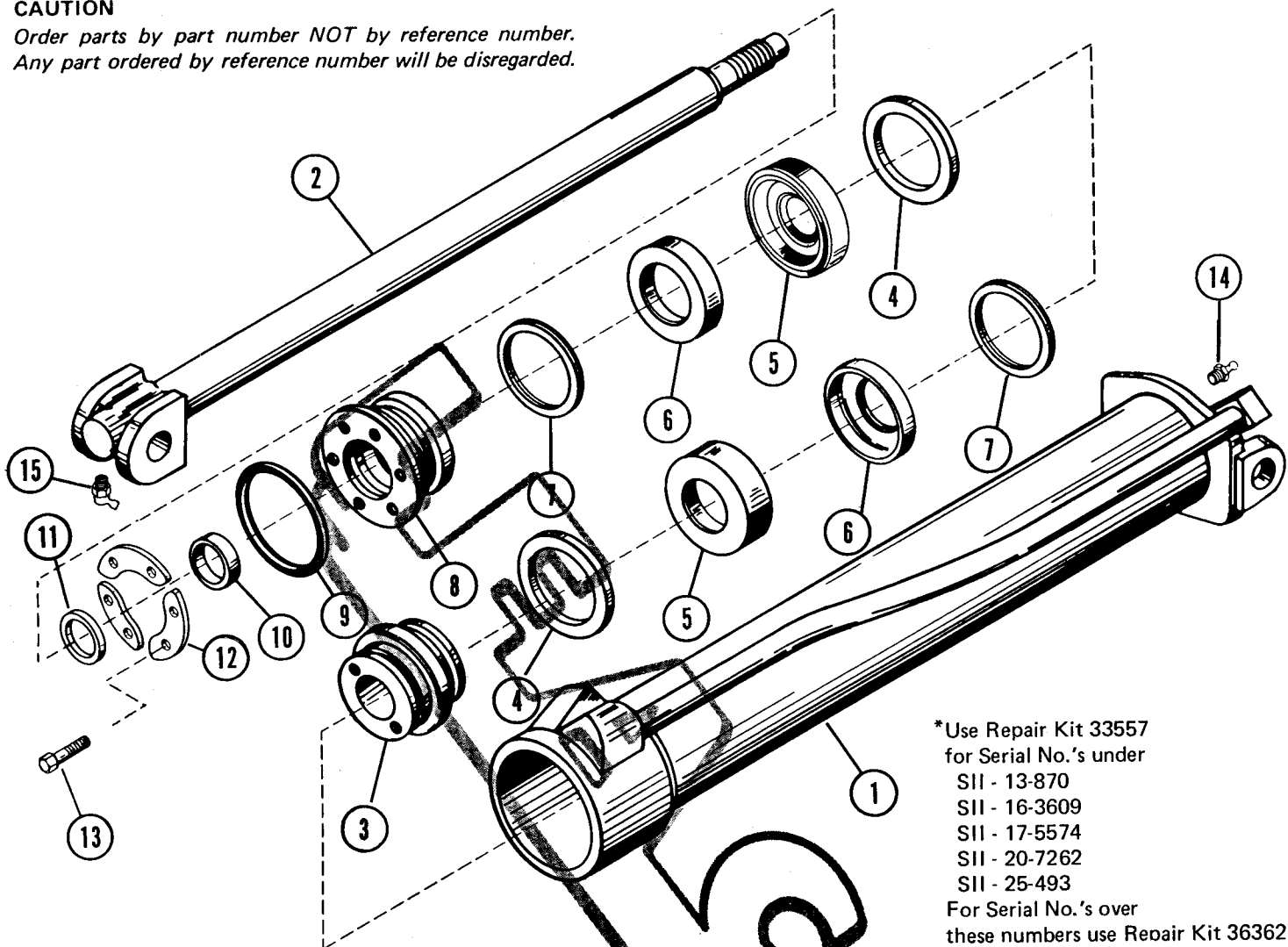
BE SURE TO SPECIFY MODEL AND SERIAL NUMBER WHEN ORDERING PARTS



31791 OPERATING CYLINDER

CAUTION

Order parts by part number NOT by reference number.
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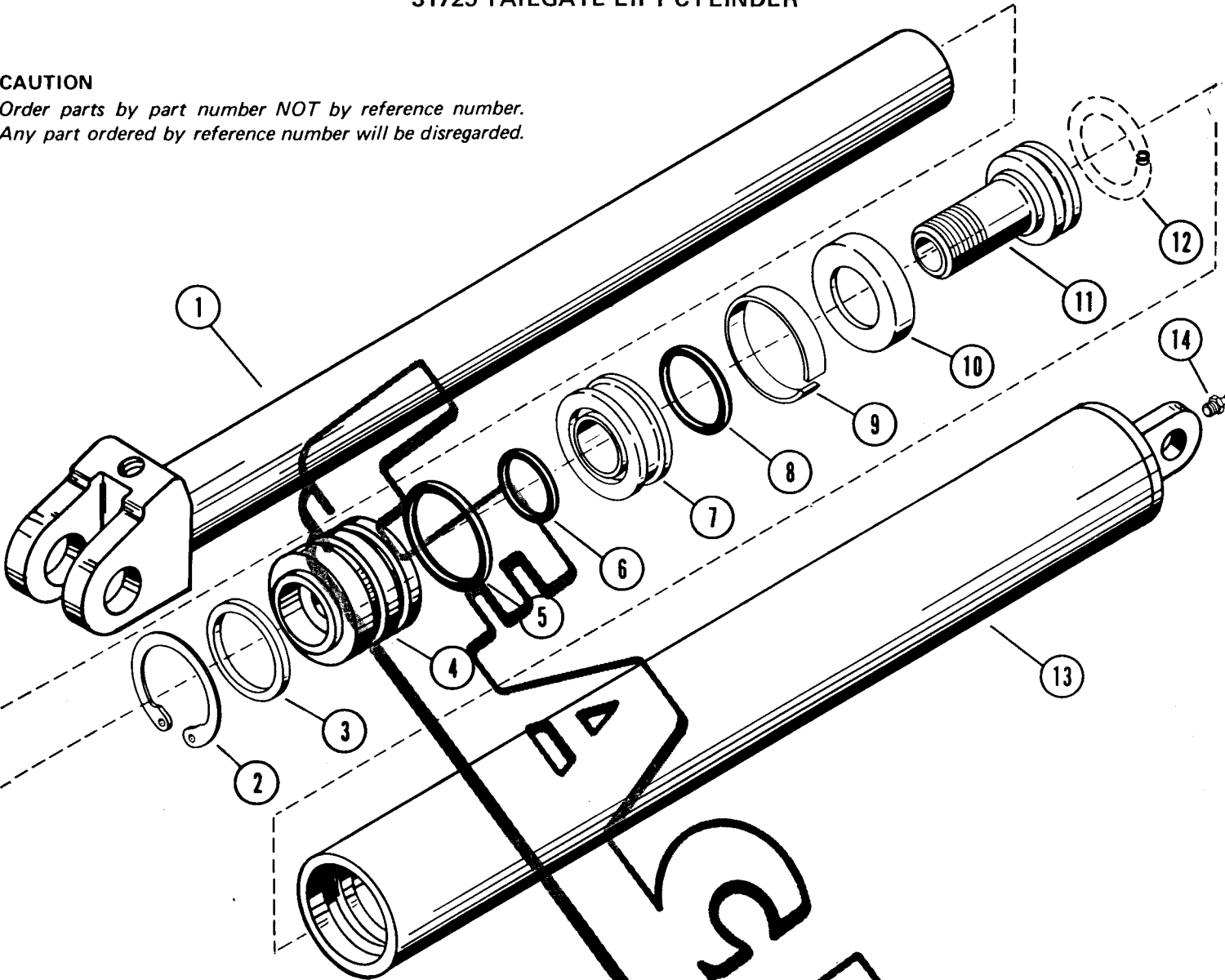
*Use Repair Kit 33557
for Serial No.'s under
SII - 13-870
SII - 16-3609
SII - 17-5574
SII - 20-7262
SII - 25-493
For Serial No.'s over
these numbers use Repair Kit 36362

Ref. No.	Part No.	Description	Qty.
1	31792	WELDMENT, Cylinder	1
2	31804	ROD, Piston	1
3	31805	PISTON	1
4	*17535	RING, Back Up	2
5	*17538	"U" CUP	2
6	30373	RING, Pedestal	2
7	31806	RING, Retaining	2
8	31807	HEAD, Cylinder	1
9	*17533	"O" RING	1
10	*16318	SEAL, Oil - Use in Repair Kit 33557	1
	35030	SEAL, Oil - Use in Repair Kit 36362	1
11	*31808	RING, Wiper	1
12	17190	SEGMENT, Cylinder Lock	3
13		SOCKET Hd., Nylock Cap Screw 7/16 - 14 x 7/8 lg.	6
14	18907	FITTING, Grease	1
15	30596	FITTING, Grease, 65°	1

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31725 TAILGATE LIFT CYLINDER

CAUTION
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*Included in 15453 Repair Kit

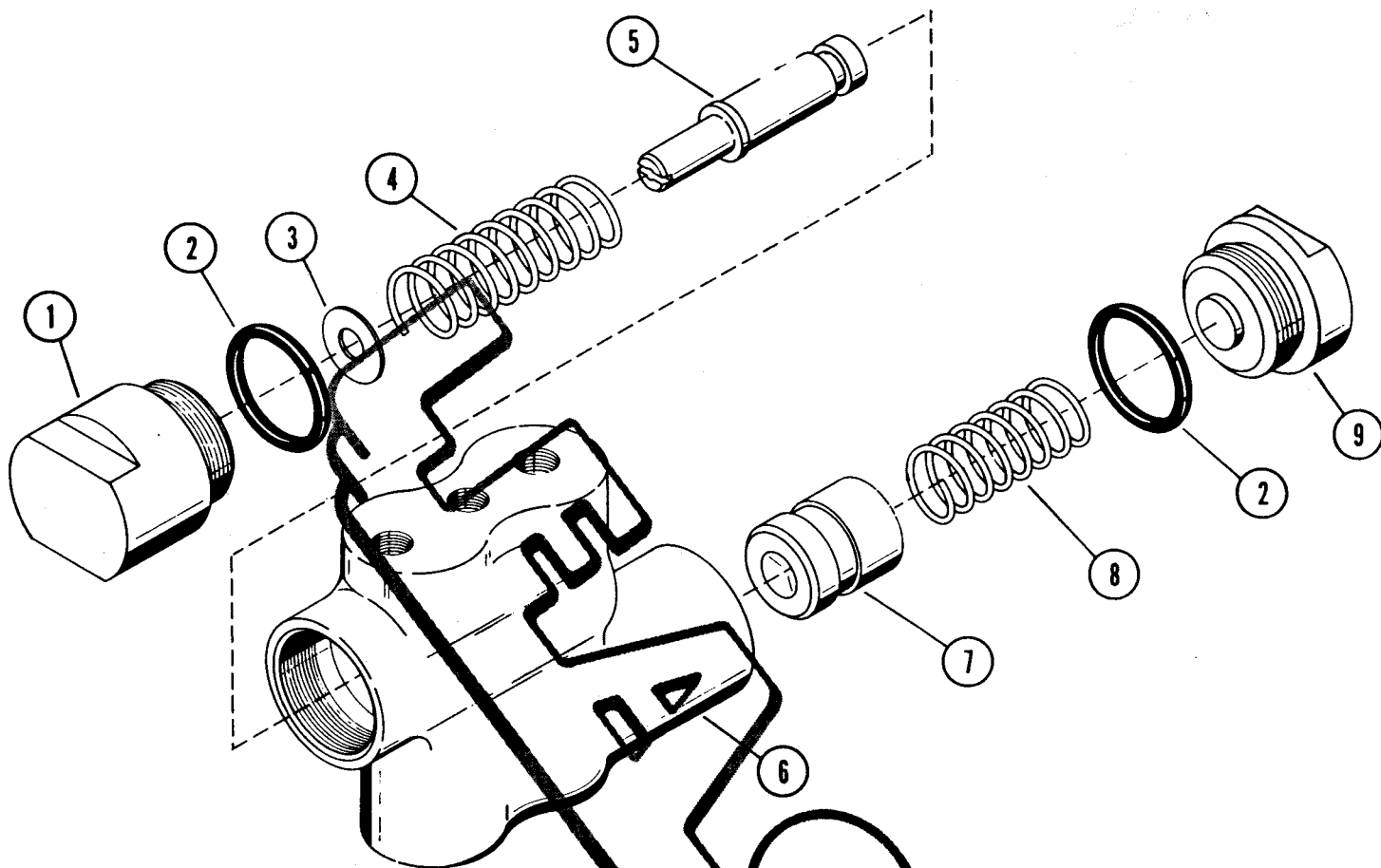
Ref. No.	Part No.	Description	Qty.
1	31726	WELDMENT, Piston Rod	1
2	16243	RING, Snap, Internal, 3 1/16 OD	1
3	*15748	SEAL, Oil	1
4	15400	HEAD, Cylinder	1
5	*16238	"O" RING	1
6	*16096	GASKET, "O" RING	1
7	PO-271	DISC, Piston	1
8	*16237	"O" RING	1
9	*SK-327	STRIP, Piston	1
10	*PO-270	CUP, Piston	1
11	PO-269	HOLDER, Piston Cup	1
12	P-16-415	SPRING, 3 Inch Piston Cup Expander	1
13	31721	WELDMENT, Lift Cylinder	1
14	17235	FITTING, Grease	1

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SR-7573 HOLDING VALVE

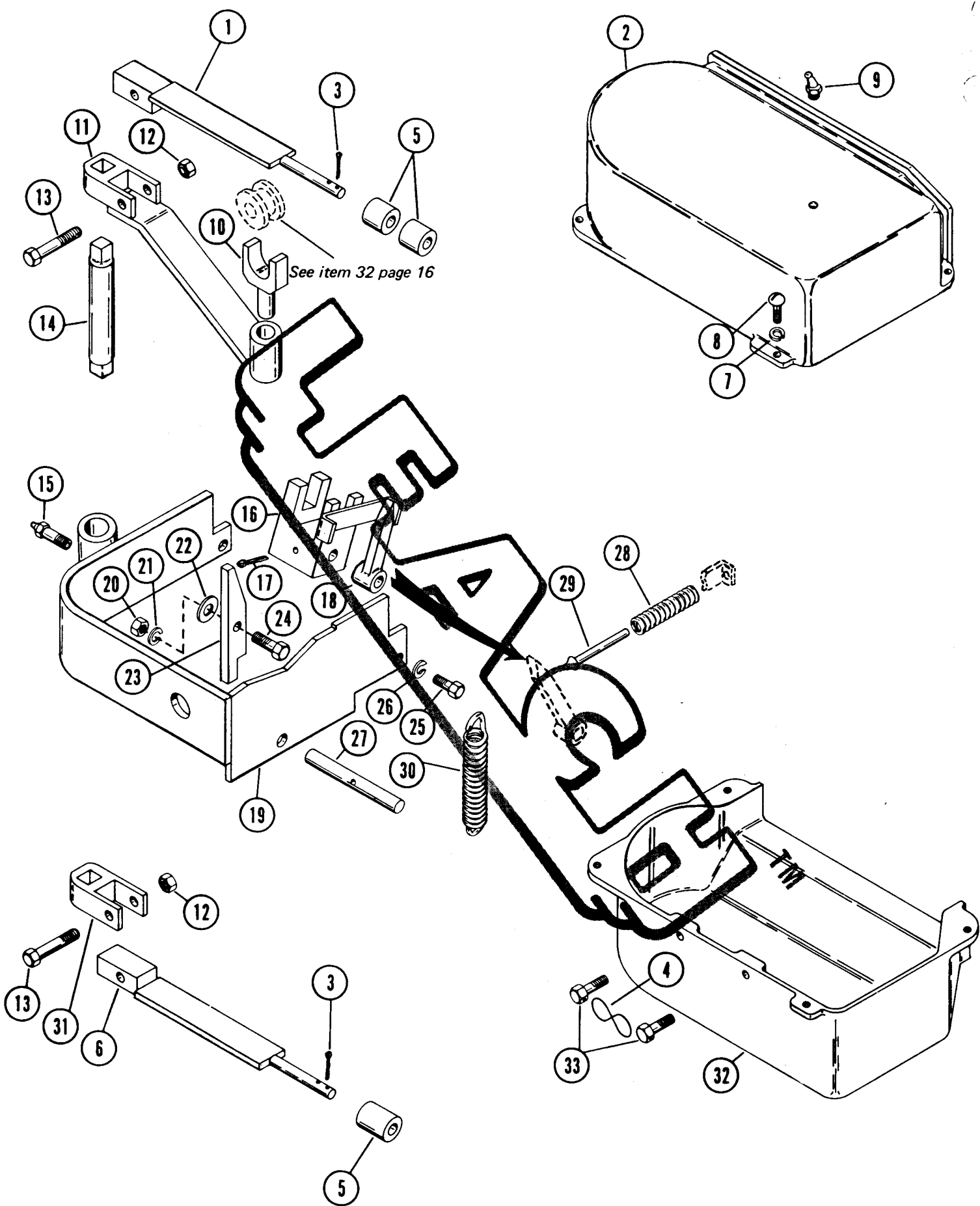
CAUTION

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Ref. No.	Part No.	Description	Qty.
1	SK-1804	PLUG, Screw	1
2	16101	"O" RING	2
3		WASHER, 3/8 Medium	Req.
4	16191	SPRING	1
5	SR-7584	PLUNGER	1
6	SR-7585	BODY, Valve	1
7	20603V	PLUNGER	1
8	197-3	SPRING, Light	1
9	19231	CAP, Valve	1

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2R - 1696
MAIN OPERATING VALVE
FR-100 BRIDGE ASSEMBLY

CAUTION

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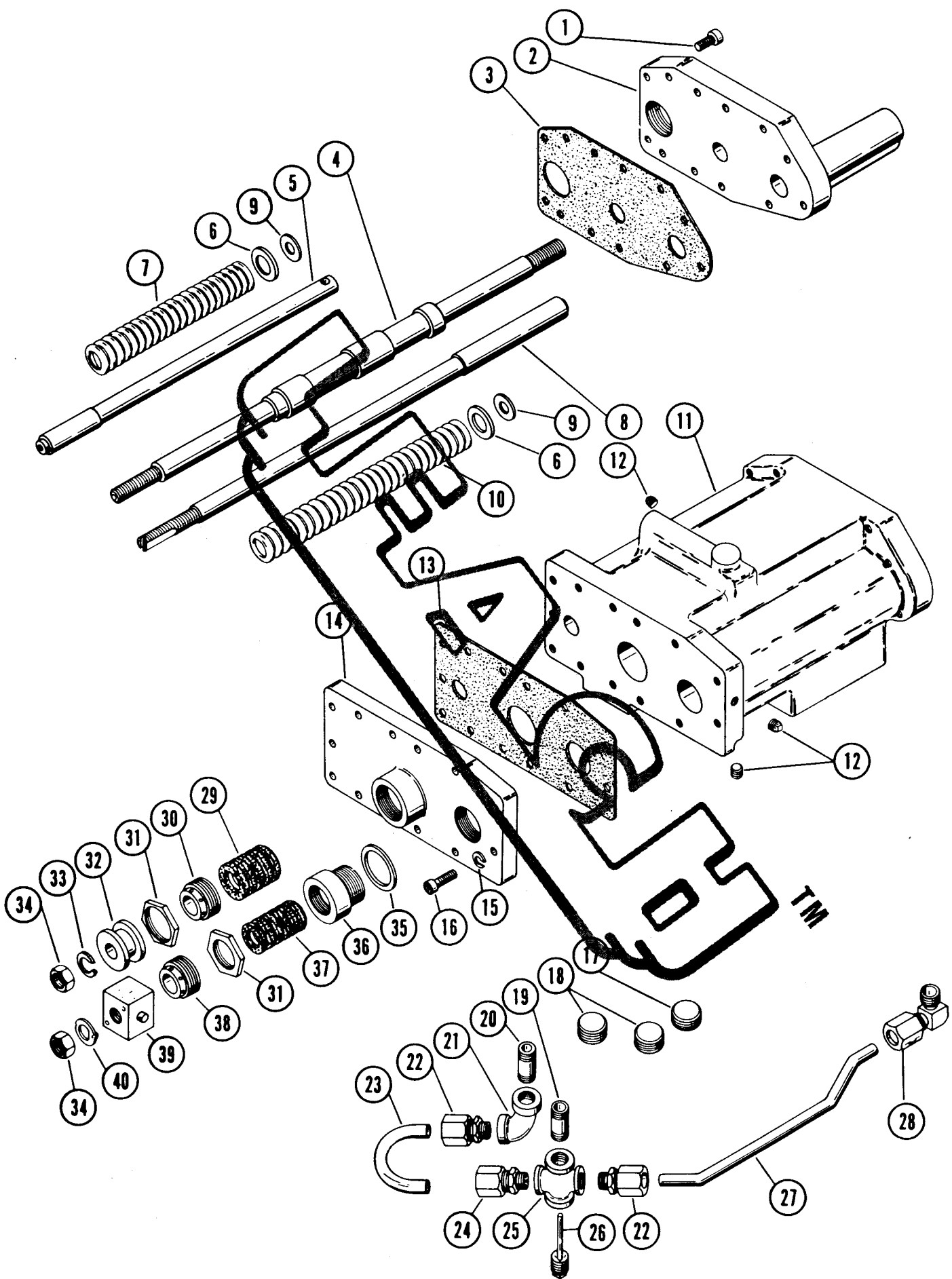
Any part ordered by reference number will be disregarded.

Ref. No.	Part No.	Description	Qty.
1	19714	TOP ROLLER ARM	1
2	17942	TOP HOOD	1
3		PIN, Cotter, 1/8 x 3/4	4
4	*19516-40	WIRE, 1/32 x 10" Lg.	1
5	19309	ROLLER	3
6	19713	BOTTOM ROLLER ARM	1
7	*	LOCKWASHER, Med. spring 1/4	4
8	*	STOVE BOLT, Rd. hd. 1/4-20 thread x 3/4 Lg.	4
9	* 1612	FITTING, Grease, 1/8 NPT x 3/4 Lg. x 67-1/2	1
10	19315	FORK	1
11	19279	ROLLER ARM FORK	1
12		STOP NUT, Hex. hd. 3/8-14 thread	2
13		CAP SCREW, Hex. hd. 3/8-24 thread x 1-3/4 Lg.	2
14	19278	YOKE PIN, Roller arm	1
15	1606	ZERK FITTING, Str. 1/8 NPT x 90 x 1-13/16	1
16	19532	YOKE, Reversing	1
17		PIN, Cotter, 3/16 x 1-1/2 Lg.	1
18	19311	FINGER	1
19	19531	CAM, Valve control	1
20		NUT, Hex. hd. 1/2 height, 3/8-16 thread	1
21		LOCKWASHER, Med. spring 3/8	1
22		WASHER, Std. 3/8	1
23	19317	FINGER, Knockoff	1
24		CAP SCREW, Hex. hd. 3/8-16 thread x 1-1/4 Lg.	1
25		CAP SCREW, Hex. hd. 3/8-16 thread x 3/4 Lg.	4
26		LOCKWASHER, Shake proof internal 3/8	4
27	19313	PIN, Yoke	1
28	**196	SPRING	1
29	19312	PIN, Spring	1
30	**193	SPRING	1
31	19277	ROLLER ARM FORK, Bottom	1
32	17950	REVERSING END, Lower hood	1
33	*1121-4	CAP SCREW, Dr. Hd. 5/16-18 thread x 7/8 Lg.	2

* Not included in FR-100 Bridge Assembly.

** Included in SR-7145 Repair Kit (see page 17)

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2R — 1696
MAIN OPERATING VALVE

CAUTION

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Ref. No.	Part No.	Description	Qty.
1		CAP SCREW, Soc. hd. 5/16-18 thread x 1 Lg.	12
2	†19678	COVER	1
3	**991	GASKET, Valve	1
4	*19621	PLUNGER, Knockout	1
5	*19639	PLUNGER, Main	1
6	977-6	WASHER, 1/16" thick (or 977-3)	1
7	**190	SPRING, Knockout	1
8	†19640	PLUNGER, Reversing	1
9	977-3	WASHER, 1/8" thick (or 977-6)	1
10	**191-3	SPRING, Reversing	1
11	*2R-1653	VALVE BODY	1
12		PLUG, Pipe soc. hd. 1/8	3
13	**990	GASKET, Valve	1
14	19530	COVER	1
15		LOCKWASHER, Med. spring 5/16	13
16		CAP SCREW, Soc. hd. 5/16-24 thread x 1-1/4 Lg.	13
17		PLUG, Pipe 2 NPT	1
18		PLUG, Pipe 3/4 NPT	2
19	**19363	JET, Oil	1
20	20628	NIPPLE, Special 1/4 NPT x 1-1/4 Lg.	1
21		ELBOW, 90°	1
22	1309	CONNECTION, Std. weatherhead 8205 x 6s	2
23	20494	TUBING, Short	1
24	**20496	VALVE, Check weatherhead	1
25		CROSS, Pipe 1/4 NPT	1
26	**19362	ASSY. OIL JET PLUG	1
27	20495	TUBING, Long	1
28	1308	ELBOW, Weatherhead 90° 8405 x 6s	1
29	**1159-3	PACKING, Main	1
30	19418	NUT, Gland	1
31	19304	LOCKNUT, Main	1
32	19316	COLLAR	1
33		LOCKWASHER, Med. spring 1/2	1
34		NUT, Hex. hd. 1/2-20 thread	2
35	1006-9	GASKET, Copper ring	1
36	19300	NUT, Adaptor	1
37	**1159-2	PACKING	1
38	19303	NUT, Gland	1
39	19314	BLOCK, Pivot	1
40	978	WASHER	1

* Note: Parts marked with an asterisk should be replaced as one unit, Order 102-2R-1696 valve body

**Included in SR-7145 Repair Kit (see page 18)

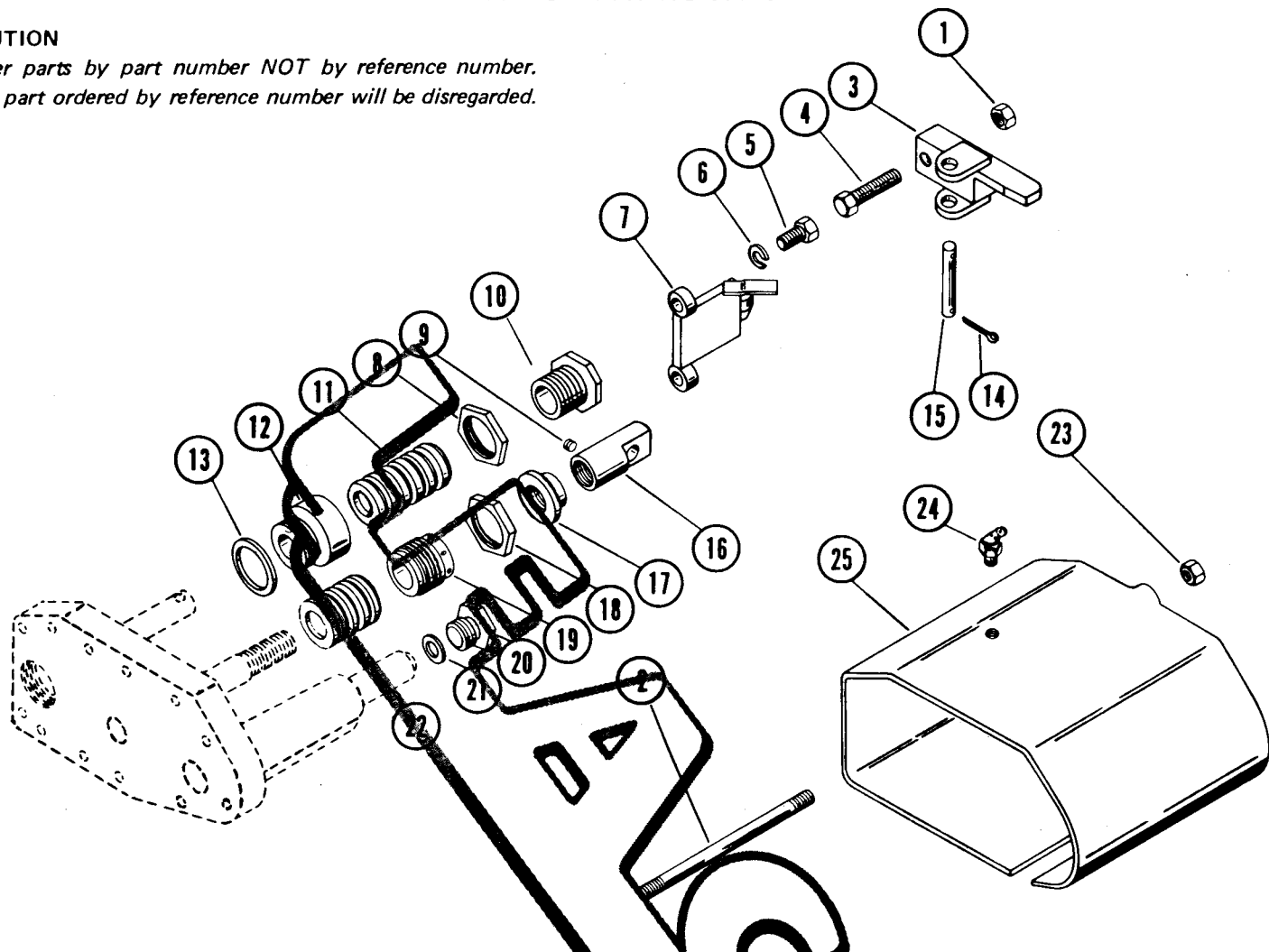
†Note: Parts marked with † should be replaced as one unit, order 101-19678 Cover Assembly.

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MAIN OPERATING VALVE

CAUTION

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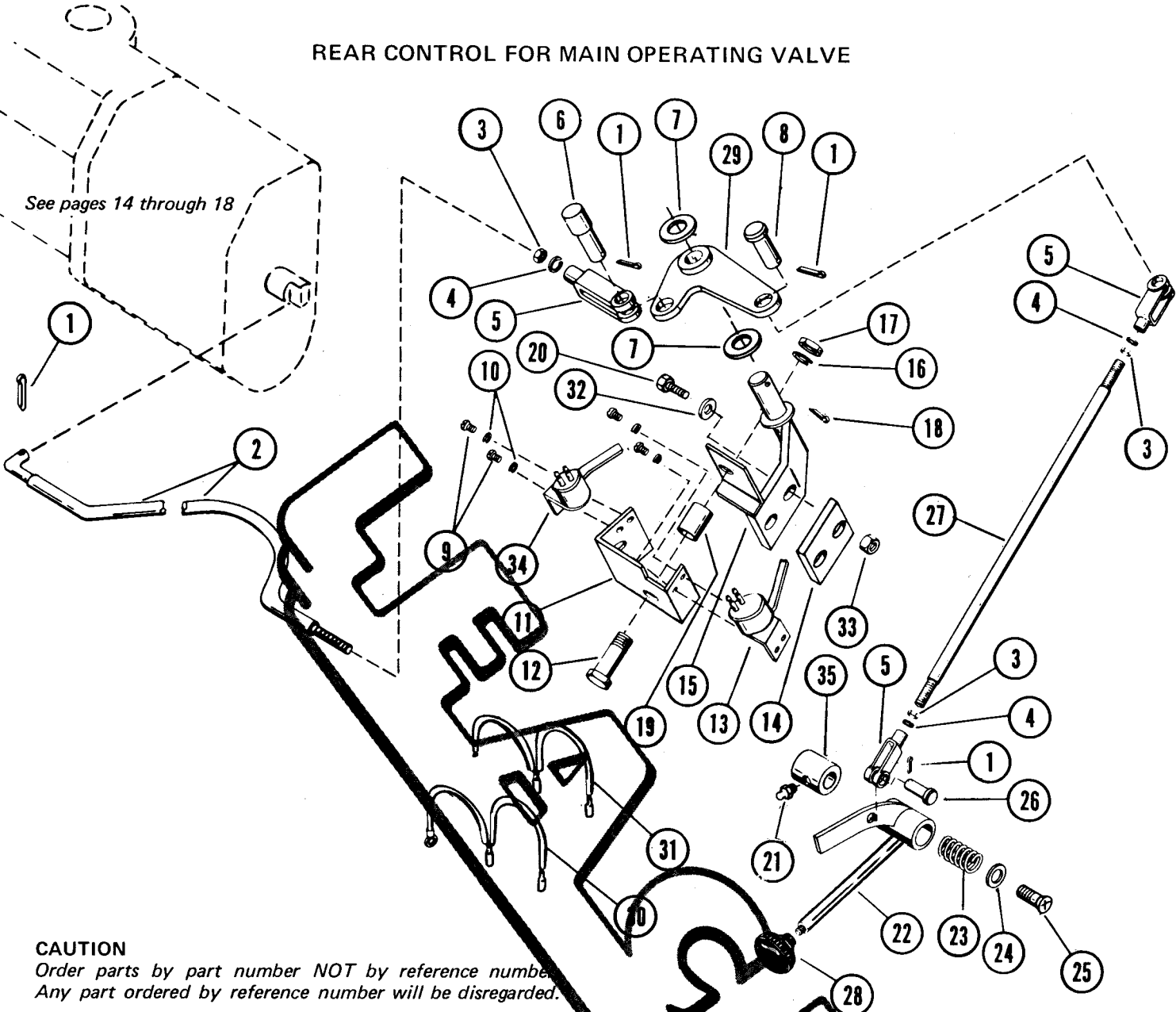


**SR-7145 Repair Kit.

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1		NUT, Hex. hd. 3/8-16 thread	1	14		PIN, Corner 1/8 x 3/4	2
2	1169	STUD	2	15	16-20	PIN	1
3	19675	LEVER, Knockout	1	16	SK-1775	NUT, Plunger	1
4	1180	BOLT, Hex. hd.	1	17	19482	COLLAR	1
5		CAP SCREW, Hex. hd. 5/16-18 thread x 7/8 lg.	2	18	19304	LOCKNUT, Main	1
6		LOCKWASHER, Med. spring 5/16	2	19	19418	NUT, Gland	1
7	19692	SUPPORT FOR KNOCKOUT LEVER	1	20	19306	PLUG, Screw	1
8	19305	LOCKNUT	1	21	16100	"O" Ring	1
9		SCREW, Set soc. hd. 1/4-20 thread x 1/4 lg.	1	22	**1159-3	PACKING, Main	1
10	19302	NUT, gland knockout	1	23		NUT, Hex. 5/16-18 thread	2
11	**1159-2	PACKING	1	24	1612	FITTING, Grease 1/8 NPT x 3/4 lg. x 67-1/2	1
12	19300	NUT, Adaptor	1	25	SK-1523	HOOD, Knockout end	1
13	1006-9	GASKET, Copper ring	1				

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REAR CONTROL FOR MAIN OPERATING VALVE



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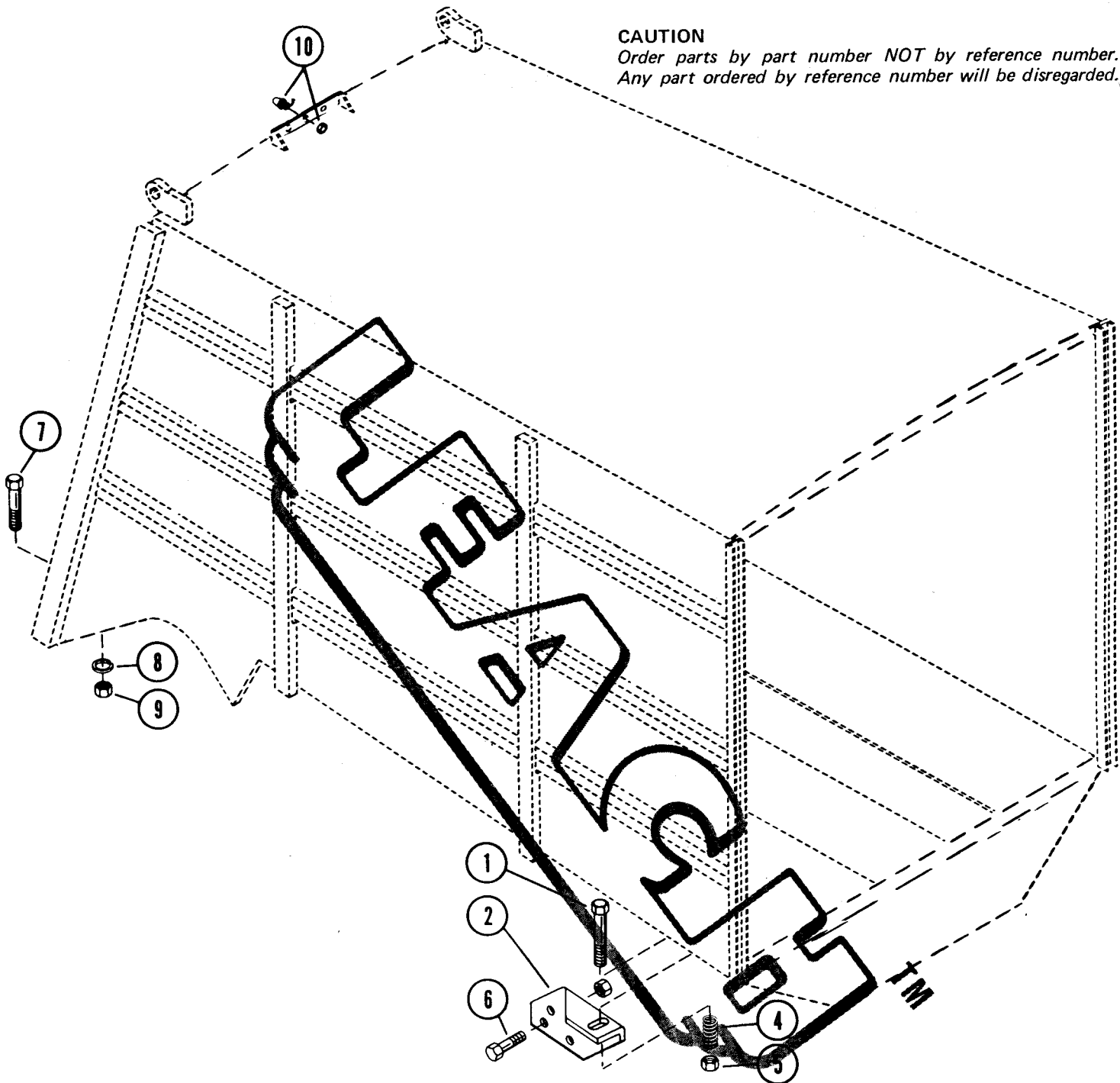
Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	SR-6358	PIN, Cotter, 1/8 dia. x 1 lg.	1	18		PIN, Cotter, 3/16 dia. x 1-1/4 lg.	1
2		ROD, Offset, valve central	1	19	P-16-1125	SPACER, Switch bracket	1
3		NUT, Hex. 1/2-20 th	3	20		BOLT, Hex hd. 1/2-13 th x 1-1/4 lg.	2
4		LOCKWASHER, 1/2 split, med.	3	21	16170	FITTING, Grease	1
5	P-16-1127 970-5	YOKE, Adjustable	3	22	SR-7251	VALVE CONTROL WELDMENT	1
6		PIN, Yoke	1	23	SR-7257	SPRING, Compression	1
7		WASHER	2	24	SR-7252	WASHER, Guide	1
8		PIN	1	25		CAPSCREW, Flat hd. socket 1/2-13 th x 1 lg.	1
9	P-16-1124	SCREW, Rd. hd. slotted mach. 10-32 th x 3/8 lg	4	26	SK-478	PIN, Yoke 1/2	1
10		LOCKWASHER, 10 med. split	4	27	SR-7169	ROD, Control	1
11		BRACKET, Switch	1	28	1151	KNOB, Lever	1
12		CAPSCREW, Hex. 3/8 med.	1	29	SK-472	QUADRANT	1
13	16156	SWITCH, Stoplight	1	30	36700	HARNESS, Wiring	1
14	P-16-1126	SHIM, Lever mount	1	31	36701	HARNESS, Wiring	1
15	SK-469	BEARING, Quadrant support	1	32		WASHER, 1/2 med.	2
16		LOCKWASHER, 3/8 med.	1	33		NUT, Hex. hd. 1/2-3 th	2
17		NUT, Hex, 3/8-16 th	1	34	16157	SWITCH, Stoplight	1
				35	15958	SPACER	1

BE SURE TO SPECIFY MODEL AND SERIAL NUMBER WHEN ORDERING PARTS

BODY TO FRAME MOUNTING

CAUTION

Order parts by part number NOT by reference number.
Any part ordered by reference number will be disregarded.

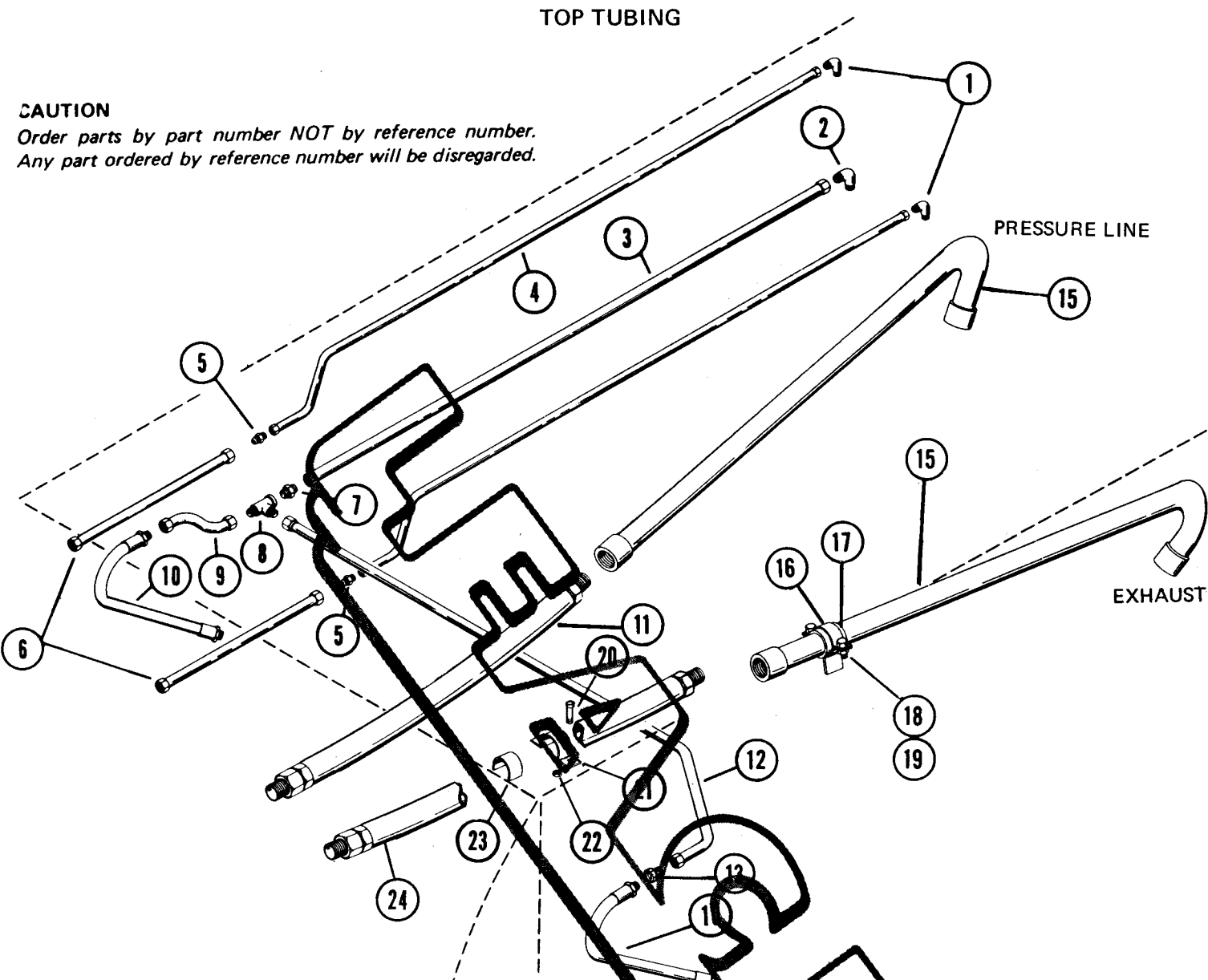


Ref. No.	Part No.	Description	Qty.
1		CAP SCREW, Hex. hd. 1-14 thread x 6-1/2 Lg.	2
2	PO-542	SHOE, Front right	1
3	PO-543	SHOE, Front left (not shown)	1
4	9-3216-31	SPRING, Compression	2
5		NUT, Hex. stop 1-14 thread	6
6		CAP SCREW, Hex. hd. 1-14 thread x 3 Lg.	4
7	SR-8326	BOLT, Rear mounting	2
8		LOCKWASHER, Med. split 7/8	2
9		NUT, Hex. 7/8-14 thread	2
10	16165	THREE LIGHT CLUSTER	1

BE SURE TO SPECIFY MODEL AND SERIAL NUMBER WHEN ORDERING PARTS

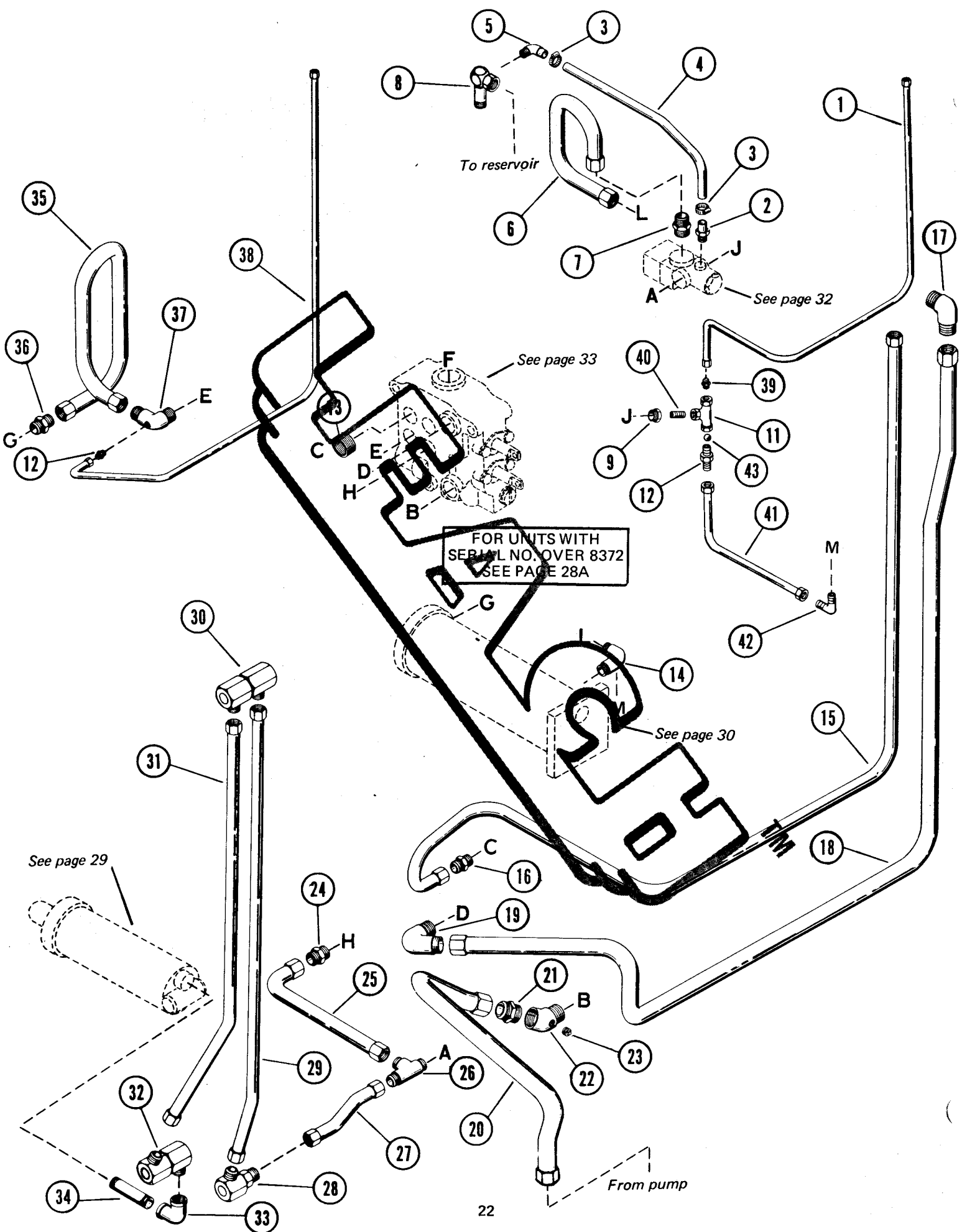
CAUTION

Order parts by part number NOT by reference number.
Any part ordered by reference number will be disregarded.



Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	16179	ELBOW, Union 90 x 3/8	2	10	55-1191	HOSE, Med. 1/2 pt x 28 lg.	2
2	16110	ELBOW, Union 3/4 tube	1	11	P-16-539	HOSE, Pressure 1-1/4	2
	P-13-24	TUBE, Top lift - 13 yd.	1	12	P-16-81	TUBE, Top rear cross	1
3	P-16-539	TUBE, Top lift 3/4 - 16 yd.	1	13	16108	ADAPTER	2
	P-18-22	TUBE, Top lift 3/4 - 17 yd.	1		18661	PIPE, Body top - 13 yd.	2
	P-20-104	TUBE, Top lift 3/4 - 20 yd.	1		16653	PIPE, Body top 1-1/4 - 16 yd.	2
	P-25-28	TUBE, Top lift 3/4 - 25 yd.	1	14	16655	PIPE, Body top 1-1/4 - 17 yd.	2
	P-13-9	TUBE, Back pressure 3/8 - 13 yd.	2		16657	PIPE, Body top 1-1/4 - 20 yd.	2
4	P-16-474	TUBE, Back pressure 3/8 - 16 yd.	2		16659	PIPE, Body top 1-1/4 - 25 yd.	2
	P-18-18	TUBE, Back pressure 3/8 - 17 yd.	2	15	16263	CLAMP, Pipe top	6
	P-20-90	TUBE, Back pressure 3/8 - 20 yd.	2	16	16665	BUSHING, Split	6
	P-25-20	TUBE, Back pressure 3/8 - 25 yd.	2	17		NUT, Hex 3/8" - 16 STD	12
5	1309	CONNECTOR, 1/4 pt x 3/8 tube	2	18		BOLT, Hex 3/8" - 16 x 1-3/4" lg.	12
6	SR-8478	HOSE, 3/8	2	19		BOLT, Hex hd. 5/16-18 thd x 1 lg.	4
7	16113	CONNECTOR, Male 1/2 pt x 3/4	1	20	15700	STRAP, Pipe 2	2
8	16109	TEE, Female run 1/2 pt x 5/8 tube	1	21		NUT, Elastic stop 5/16-18 thd	4
9	P-16-815	TUBE, Top left rear	1	22	P-16-1173	FILLER, Hose clamp	2
				23	PO-1928	HOSE	1

BE SURE TO SPECIFY MODEL AND SERIAL NUMBER WHEN ORDERING PARTS



To reservoir

See page 32

See page 33

FOR UNITS WITH
SERIAL NO. OVER 8372
SEE PAGE 28A

See page 30

See page 29

From pump

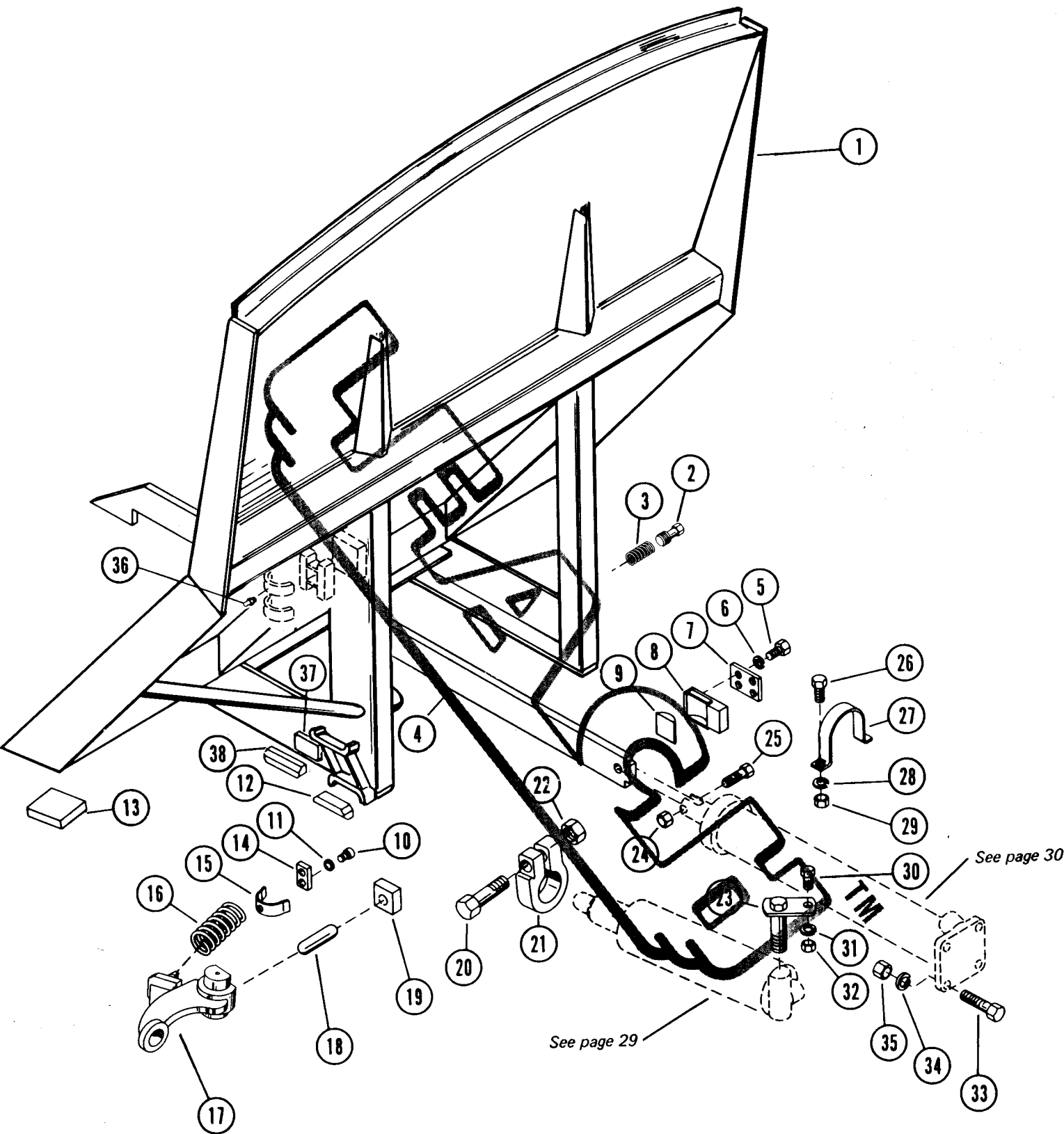
FRONT TUBING

CAUTION

Order parts by part number NOT by reference number.
Any part ordered by reference number will be disregarded.

* Use 59SK-12 Repair Kit

Ref. No.	Part No.	Description	Qty.
1	16475	TUBE, Body front clamp cy. 3/8	1
2	15725	INSERT, Barbed 1/4	1
3	16163	CLAMP, Hose	1
4	18147	HOSE, Drain 1/4 I.D. x 19 Lg.	2
5	15726	ELBOW, Barbed 1/4	1
6	P-20-10	TUBE, Pushout 1 (For 16, 17, & 20 yd.)	1
	P-25-51	TUBE, Pushbug 1 (For 25 yd.)	1
7	16117	CONNECTOR, Male	1
8	PO-494	ELBOW	1
9	16112	BUSHING	1
10	21793	NIPPLE	1
11	P-16-1168-10	TEE, Pipe 1/4 300 lb.	1
12	1309	CONNECTOR, Straight	1
13		BUSHING, 1 x 1/4	1
14	16195	ELBOW, 45°	1
15	P-16-538	TUBE, Tailgate cut 3/4	1
16	16111	CONNECTOR, Male	1
17	16119	ELBOW	1
18	P-16-504	TUBE, Carryover (for serial no. under 73-1335)	1
	17646	TUBE, Carryover (for serial no. over 73-1334)	1
	16670	HOSE, Carryover (for serial no. over 73-1334)	1
19	16125	ELBOW	1
20	P-20-256	TUBE, Pressure 1-1/4	1
21	16126	CONNECTOR, Male	1
22	PO-20-115	ELBOW, 1 x 45°	1
23		PLUG, Pipe square hd.	1
24	15697	CONNECTOR, Male	1
25	P-16-330	TUBE, First clamp cyl.	1
26	16114	TEE, Male run	1
27	P-16-331	TUBE, Second clamp cyl. (for 16, 17, & 20 yd.)	1
	P-25-21	TUBE, Second clamp cyl. (for 25 yd.)	1
28	*16134	ELBOW, Male swivel	1
29	P-16-332	TUBE, First folding (for 16 yd.)	1
	P-20-8	TUBE, First folding (for 17 & 20 yd.)	1
	P-25-22	TUBE, First folding (for 25 yd.)	1
30	*PO-479-1	SWIVEL, Tube male parallel	1
	P-16-333	TUBE, Second folding (for 16 yd.)	1
31	P-20-9	TUBE, Second folding (for 17 & 20 yd.)	1
	P-25-23	TUBE, Second folding (for 25 yd.)	1



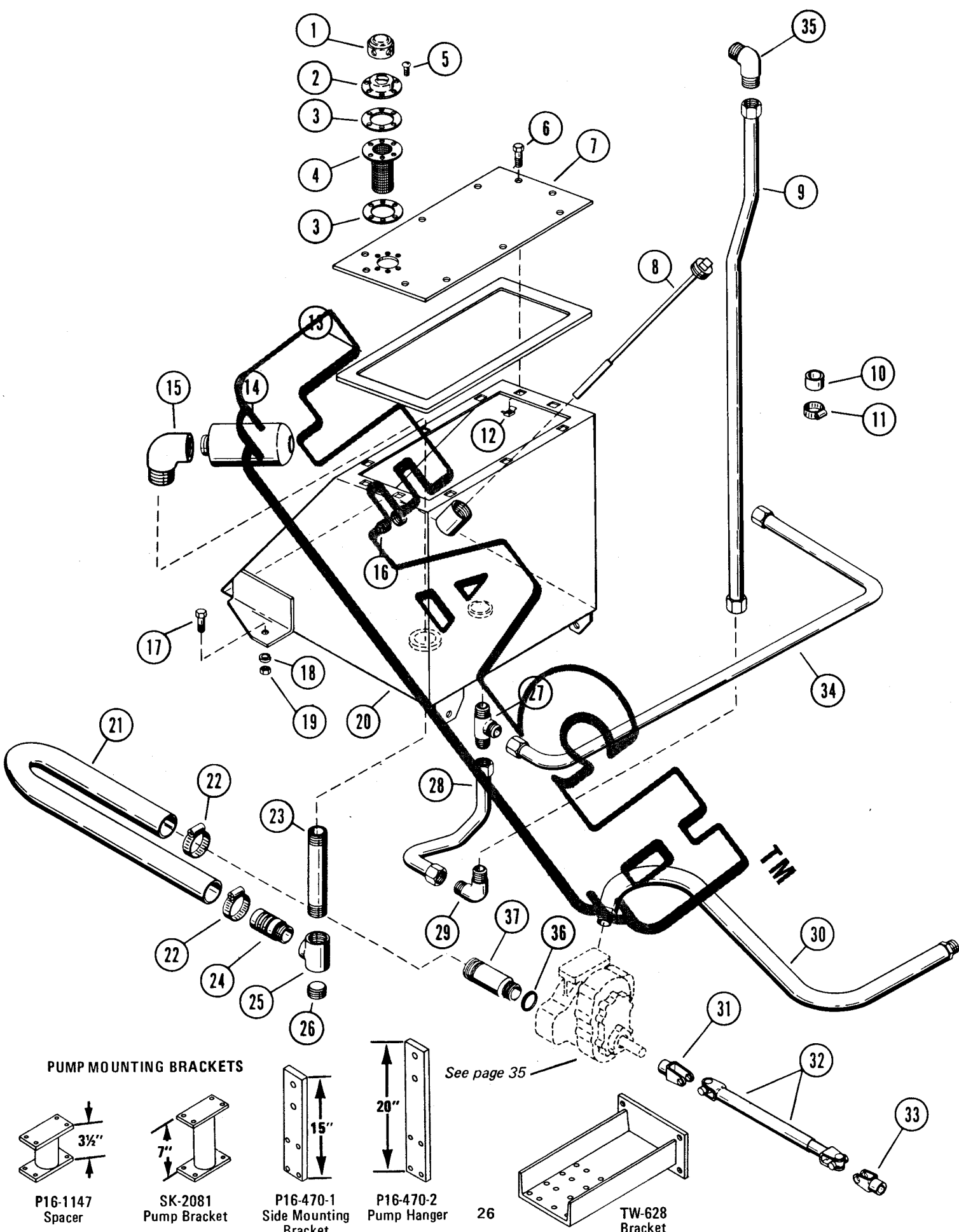
PUSHOUT PLATE AND CLAMP ASSEMBLY

CAUTION

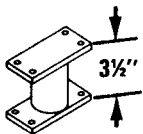
*Order parts by part number NOT by reference number.
Any part ordered by reference number will be disregarded.*

Ref. No.	Part No.	Description	Qty.
1	31577	PUSHOUT PLATE WELDMENT, for 16 & 17 yd. bodies	1
	33549	PUSHOUT PLATE WELDMENT, for 20 yd. body	1
	33552	PUSHOUT PLATE WELDMENT, for 25 yd. body	1
2	P-16-1262	BOLT, Adjusting	1
3	16106	SPRING, Pushout shoe	1
	P-13-6	PUSHOUT BAR WELDMENT, for 13 yd. body	1
	P-20-6	PUSHOUT BAR WELDMENT, for 20 yd. body	1
4	P-16-6	PUSHOUT BAR WELDMENT, for 16 yd. body	1
	P-18-6	PUSHOUT BAR WELDMENT, for 17 & 18 yd. bodies	1
	P-25-48	PUSHOUT BAR WELDMENT, 1-1/4" for 25 yd. body	1
	P-25-46	PUSHOUT BAR WELDMENT, 2" for 25 yd. body	1
5		CAPSCREW, Hex. hd. 3/4-16 thread x 2-1/2 lg.	4
6		LOCKWASHER, Med. split 3/4	4
7	P-16-15	SHIM (when necessary) A/R	
8	P-16-14	BLOCK, Clamp bolted	1
9	P-16-14	BLOCK, Clamp stationary	1
10		CAPSCREW, Soc. Hd. 1/2-13 thread x 1 lg.	8
11		LOCKWASHER, Med. split 1/2	8
12	P-16-4	SHOE, Pushout plate trough	4
13	P-16-16	SHOE, Pushout plate trough	2
14	P-16-11	RETAINER, Clamp lever bearing	4
15	P-16-1054	BEARING, Clamp lever	2
16	P-16-514	SPRING, Clamp release	1
17	P-16-8	WELDMENT, Clamp lever	1
18	P-16-12	BAR, Clamp for 16, 17, 18 & 25 yd. bodies	1
	P-25-49	BAR, Clamp for 1-1/4" bar on 25 yd. bodies	1
19	P-16-13	BLOCK, Clamp moving	1
20		CAPSCREW, Hex. hd. 1-8 thread x 3-3/4 lg.	1
21	PO-464	STOP, Clamp cylinder travel	1
22		NUT, Hex stop 1-8 thread	1
23	35412	PIN, Clamp cylinder pivot	1
24		NUT, Hex. heavy stop 7/8-9 thread	1
25		CAPSCREW, Hex. hd. 7/8-9 thread x 3-1/2 lg.	1
26		CAPSCREW, Hex. hd. 5/8-11 thread x 1-1/4 lg.	2
27	P-16-373	STRAP, Hold down for 16, 17 & 20 yd. bodies	1
	P-25-45	STRAP, Hold down for 25 yd. body	1
28		LOCKWASHER, Med. Split 5/8	2
29		NUT, Hex 5/8-11 thread	2
30		CAPSCREW, Hex. hd. 3/8-16 thread x 1-1/2 lg.	1
31		LOCKWASHER, Med. Split 3/8	1
32		NUT, Hex. 3/8-16 thread	1
33		CAPSCREW, Hex. hd., 5/8-11 thread x 2-1/2 lg.	4
34		LOCKWASHER, Med. split 5/8	4
35		NUT, Hex. 5/8-11 thread	4
36	16169	FITTING, Grease	2
37	P-16-518	SHIM	Req.
38	P-16-4B	SHOE	4

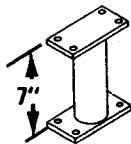
BE SURE TO SPECIFY MODEL AND SERIAL NUMBER WHEN ORDERING PARTS



PUMP MOUNTING BRACKETS



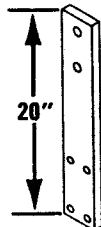
P16-1147
Spacer



SK-2081
Pump Bracket

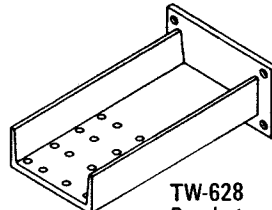


P16-470-1
Side Mounting
Bracket



P16-470-2
Pump Hanger

26



TW-628
Bracket

See page 35

PTO, TANK, FILTER AND PUMP TUBING

CAUTION

Order parts by part number NOT by reference number.
Any parts ordered by reference number will be disregarded.

Ref. No.	Part No.	Description	Qty.
1	† *4	CAP, Filler	1
2	† *5	FLANGE	1
3	† *8	GASKET	2
4	† *7	FILTER, Strainer screen	1
5	† *9	SCREW, Round hd. 1/64 thread	6
6	†	CAPSCREW, Hex. hd. 3/8-16 thread x 1	10
7	† P-20-145	COVER, Tank	1
8	† P-16-634	PROBE, Oil	1
9	P-16-409	TUBE, Right front 1-1/4 (under serial no. T3-1335)	1
10	16666	TUBE, Right front 1-1/4 (over serial no. T3-1334)	1
11	P-20-119	HOSE, Large clamp	1
12	16182	CLAMP, Hose 1-1/4	1
13	†7957-38-16-27	NUT, Speed grip	10
14	† P-20-144	GASKET, Cover	1
15	† P-16-307-2	FILTER, Oil	1
16	†	ELBOW, Street 1-1/2 x 90	1
17	†	PLUG, Pipe sq. hd. 1/4	1
18		CAP SCREW, Hex. 1/2-13 thread x 1-1/4	3
19		LOCKWASHER, Metal split 1/2	3
20		NUT, Hex. 1/2-13 thread	3
21	† P-20-159	TANK, Oil	1
22		HOSE, Suction 2 I.D. (specify length)	1
23	16249	CLAMP, Hose 2-3/8	2
24	21789	NIPPLE, Pipe	1
25	SR-8579	ADAPTOR, Suction	1
26		TEE, Pipe 1-1/2	1
27		PLUG, Pipe sq. hd. magnetic 1-1/2	1
28	16124	TEE, Tube male run	1
29	P-16-408	TUBE, Under floor	1
30	16121	ELBOW, Union	1
31	P-20-257	HOSE, Flexible	1
32	**10-4-93	YOKE, End 1	1
33	**10270-1	SHAFT, P.T.O. (specify shaft size)	1
34	**LF1270	YOKE, End 1-1/4	1
35	P-16-328	TUBE, Exhaust 1-1/4	1
36	16119	ELBOW	1
37	16223	CONNECTOR	1
	16101	O' RING	2
	P-16-1114	ADAPTER	2

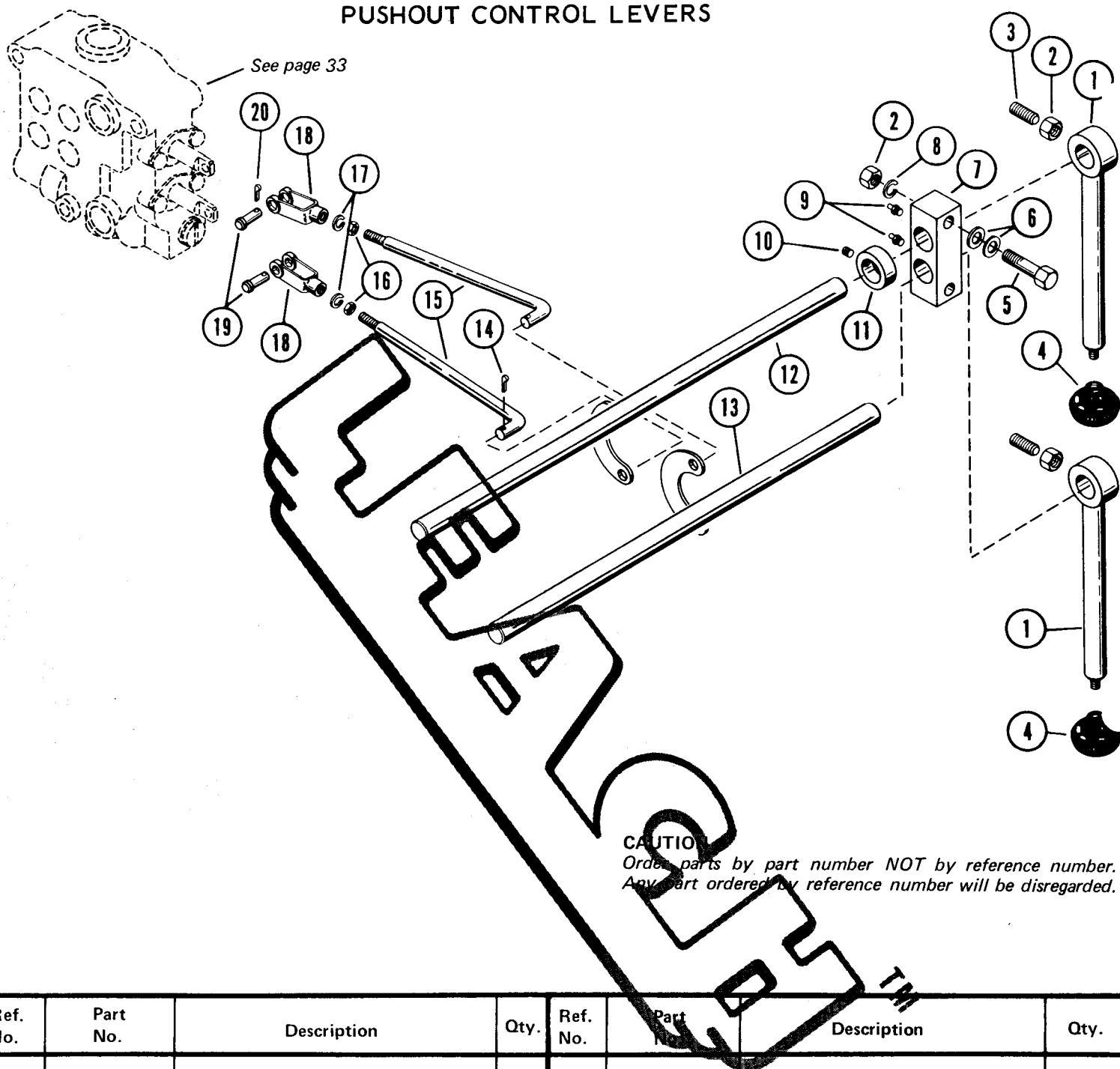
† Included in P20-158 Oil Tank Assembly

* Included in FCS-547 Filter Assembly

** Included in P - 16 - 798 Drive Shaft Assy.

BE SURE TO SPECIFY MODEL AND SERIAL NUMBER WHEN ORDERING PARTS

PUSHOUT CONTROL LEVERS



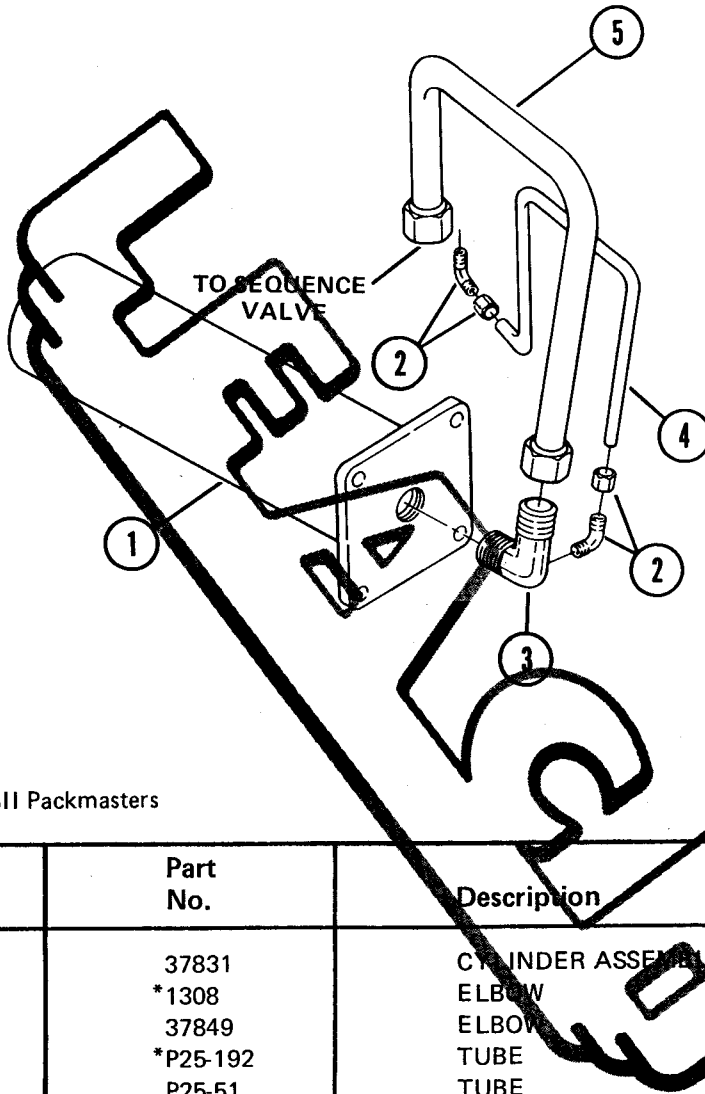
Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	P-16-340	LEVER, Control	4	11	P-16-339	COLLAR, Lock	3
2		NUT, Hex. 1/2-13 thread	8	12	16641	SHAFT	1
3		SETSCREW, 1/2-13 thread x 1-1/4 lg. soc. hd.	4	13	16639	SHAFT	1
4	1152	KNOB	4	14		PIN, Cotter 1/8 dia. x 7/8 lg.	2
5		CAP SCREW, 1/2-13 thread x 3-1/4 lg. hex. hd.	4	15	P-16-341	ROD, Two spool valve	2
6		WASHER, 1/2 Med. plain	28	16		NUT, Hex. half 3/8-24 thread	2
7	P-16-320	BLOCK, Control shaft bearing	2	17		LOCKWASHER, 3/8 Med. split	2
8		LOCKWASHER, 1/2 Med. spring	4	18	16103	END, Adjustable yoke 3/8	2
9	16171	FITTING, Grease	4	19	16257	SET, Yoke pin 3/8	2
10		SETSCREW, 3/8-16 thread x 3/8 lg. soc. hd.	3	20		PIN, Cotter 3/32 x 3/4 Lg.	2

BE SURE TO SPECIFY MODEL AND SERIAL NUMBER WHEN ORDERING PARTS

PUSHOUT CYLINDER AND TUBING

CAUTION

Order parts by part number NOT by reference number.
Any part ordered by reference number will be disregarded.



*Used Only on SII Packmasters

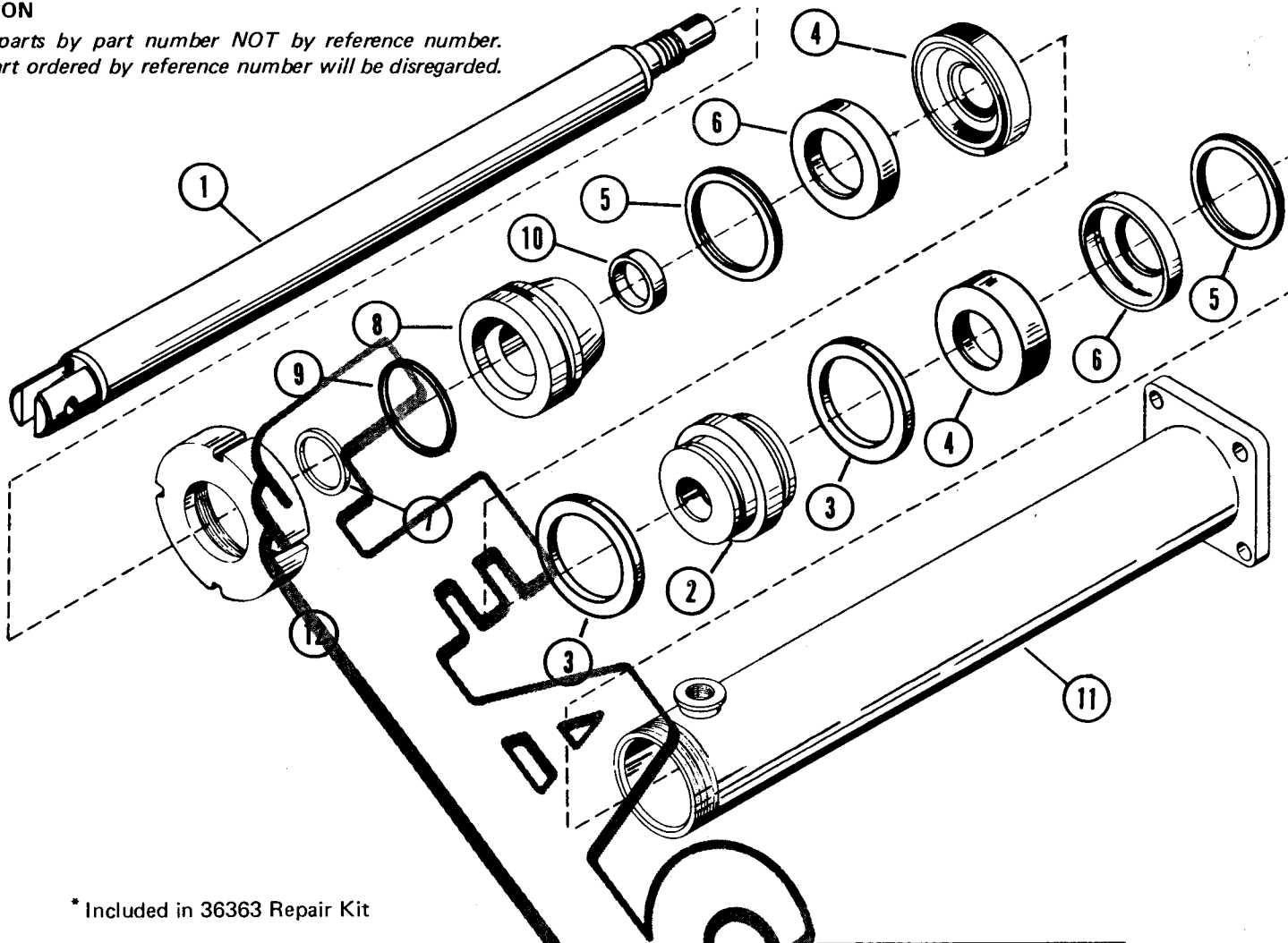
Ref. No.	Part No.	Description	Qty.
1	37831	CYLINDER ASSEMBLY	1
2	*1308	ELBOW	2
3	37849	ELBOW	1
4	*P25-192	TUBE	1
5	P25-51	TUBE	1

BE SURE TO SPECIFY MODEL AND SERIAL NUMBER WHEN ORDERING PARTS

37831 PUSH-OUT CYLINDER
(For 13, 16, 18 and 20 yd. Bodies)

CAUTION

Order parts by part number *NOT* by reference number.
Any part ordered by reference number will be disregarded.



* Included in 36363 Repair Kit

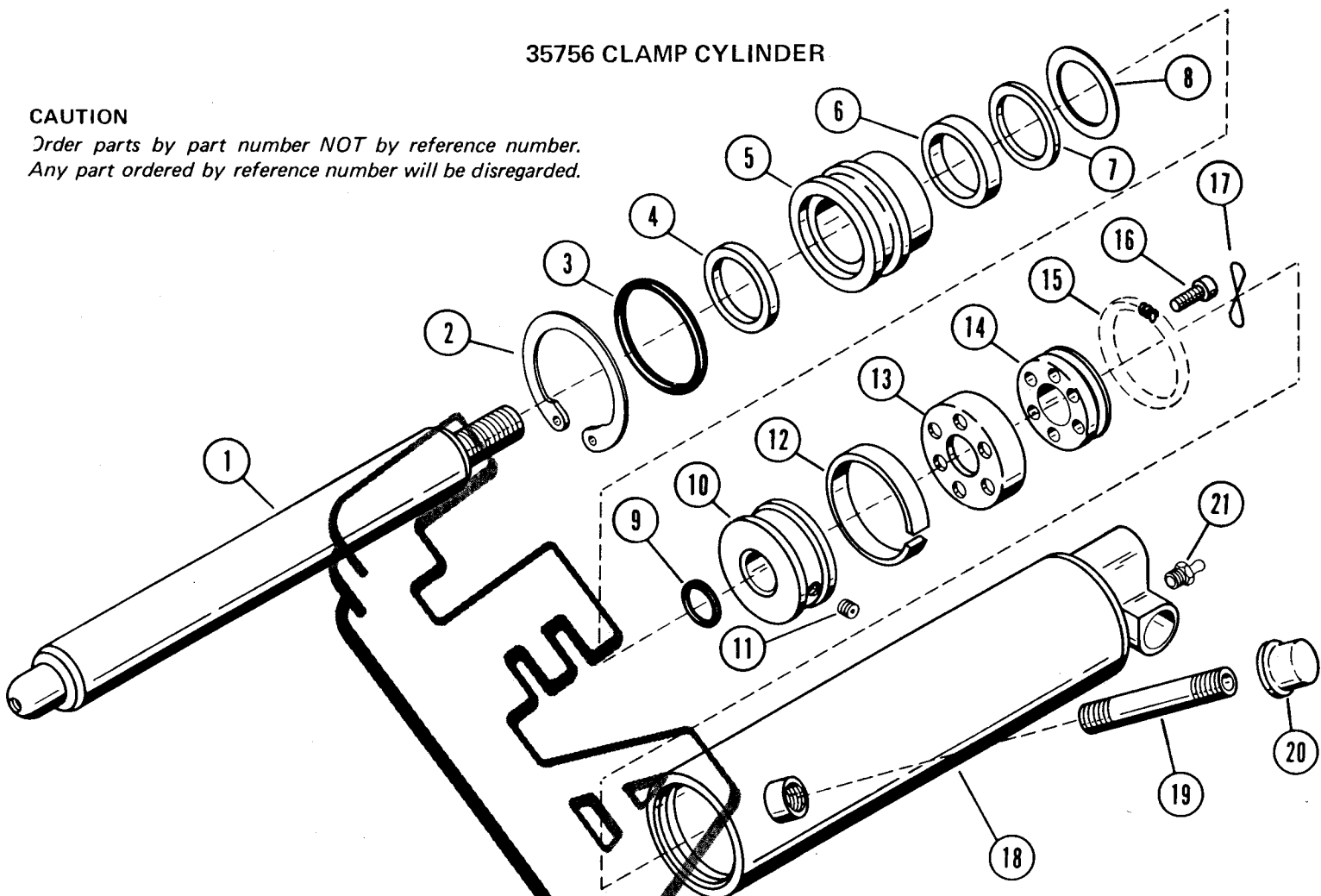
Ref. No.	Part No.	Description	Qty.
1	31780	PISTON ROD, Pushout	1
2	31781	PISTON	1
3	*17358	RING, Back Up	2
4	*15758	"U" CUP	2
5	16199	RING, Retaining	2
6	31782	RING, Pedestal	2
7	*16150	SEAL, Oil	1
8	31783	HEAD, Cylinder	1
9	*16152	"O" RING	1
10	*16318	SEAL, Rod	1
11	31784	WELDMENT, Pushout Cylinder	1
12	P-16-57	CYLINDER CAP, Pushout	1

BE SURE TO SPECIFY MODEL AND SERIAL NUMBER WHEN ORDERING PARTS

35756 CLAMP CYLINDER

CAUTION

Order parts by part number NOT by reference number.
Any part ordered by reference number will be disregarded.



*Included in P-16-934K Repair Kit

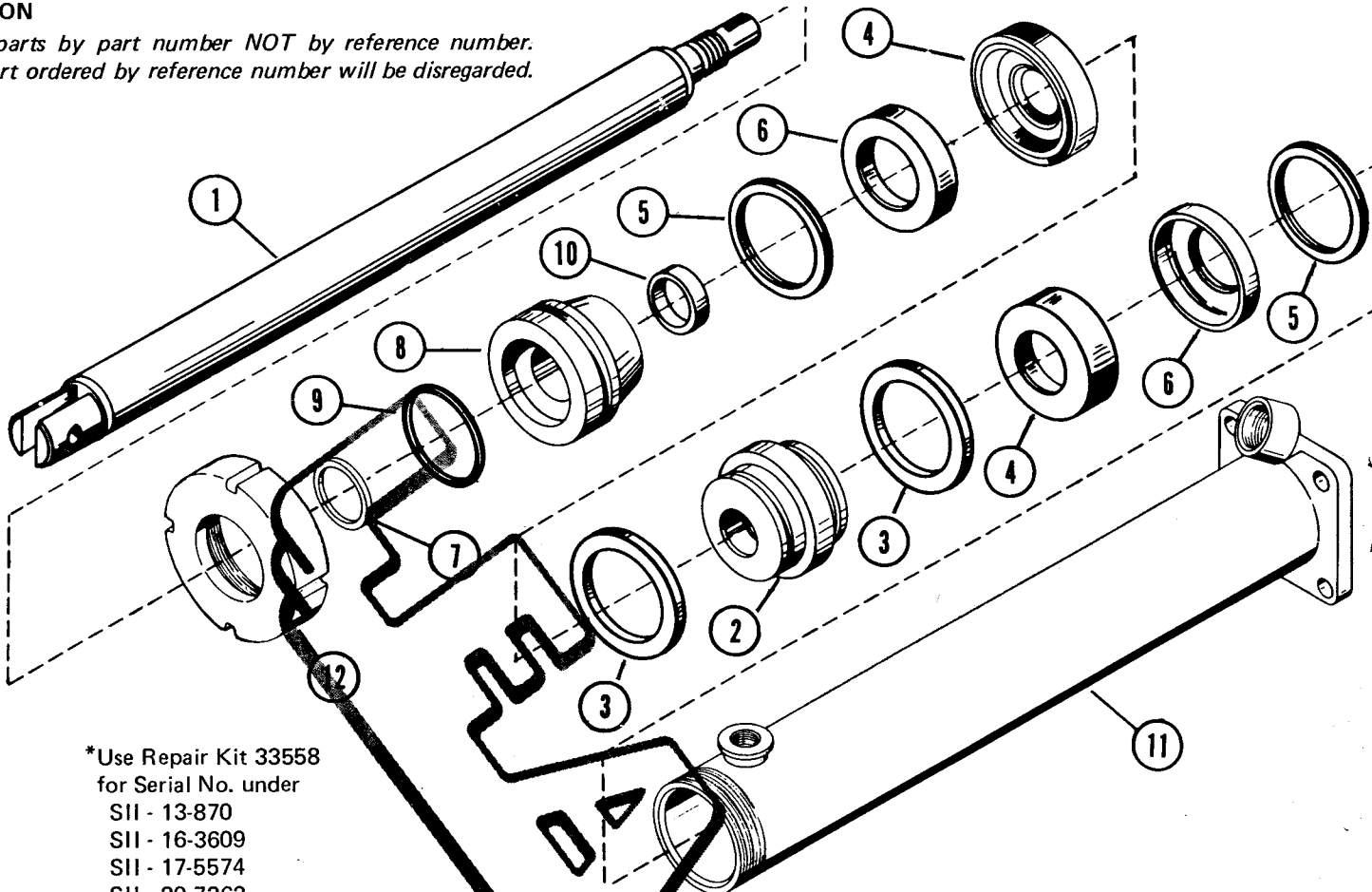
Ref. No.	Part No.	Description	Qty.
1	P-16-58	ROD, Piston Clamp	1
2	*16167	RING, Snap, 4-1/8 Dia. Bore	1
3	*16152	"O" RING, 4-1/8 OD x 3/4 ID	1
4	*16150	SEAL, Oil, 3 OD x 2-1/4 ID x 1/4 THK	1
5	P-16-933	HEAD, Clamp Cylinder	1
6	*1393	"U" CUP, 3 OD x 2-1/4 ID x 3/8 THK	1
7	SR-9423	WASHER, Rod Seal	1
8	*16151	RING, Retaining, intern	1
9	*16095	"O" RING, 1-1/2 OD x 1/8 Dia.	1
10	P-16-59	DISC, Piston	1
11		SET SCREW, 1/2-13 x 1/2 Lg.	2
12	*P-16-522	STRIP, Piston	1
13	*SR-7961	CUP, Piston	1
14	P-16-60	DISC, Cup	1
15	P-16-415	SPRING, Cup Expander	1
16	2R-2012	CAP SCREW, Piston	6
17		WIRE, 1/16 Dia. x 10 Lg.	1
18	35757	CLAMP CYLINDER, Weld'+	1
19	P-16-930	NIPPLE, Air Chamber	1
20		CAP, Standard Pipe, 1/2 Inch	1
21	16170	FITTING, Grease	1

BE SURE TO SPECIFY MODEL AND SERIAL NUMBER WHEN ORDERING PARTS

31778 PUSH-OUT CYLINDER (For 13, 16, 18 and 20 yd. Bodies)

CAUTION

Order parts by part number NOT by reference number.
Any part ordered by reference number will be disregarded.



*Use Repair Kit 33558
for Serial No. under
SII - 13-870
SII - 16-3609
SII - 17-5574
SII - 20-7262
SII - 25-493
For Serial No.'s over these
numbers use Repair Kit 36363

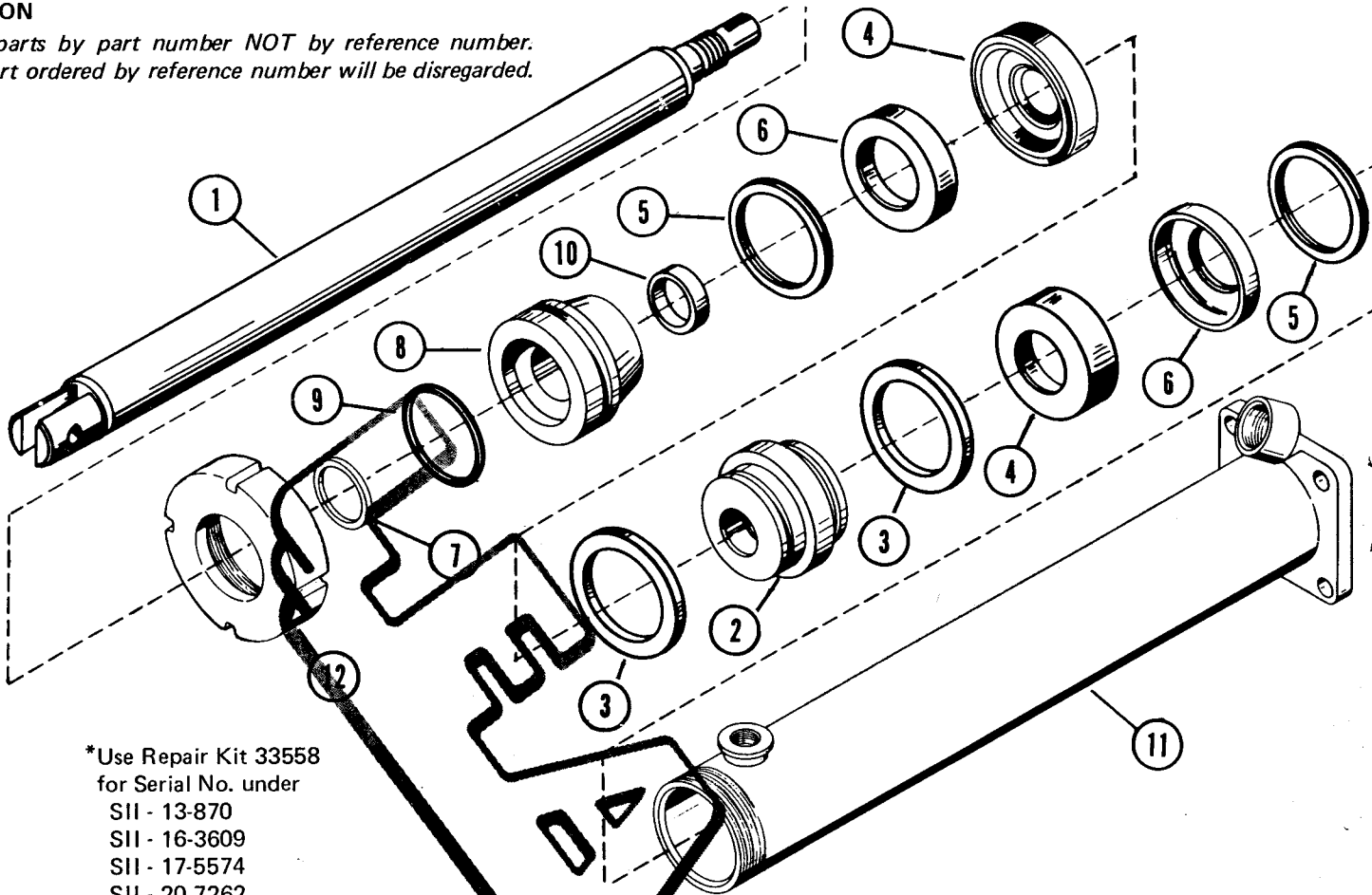
Ref. No.	Part No.	Description	Qty.
1	31780	PISTON ROD, Pushout	1
2	31781	PISTON	1
3	*17358	RING, Back Up	2
4	*15758	"U" CUP	2
5	16199	RING, Retaining	2
6	31782	RING, Pedestal	2
7	16150	SEAL, Oil	1
8	31783	HEAD, Cylinder	1
9	*16152	"O" RING	1
10	*16318	SEAL, Rod	1
	*35030	SEAL, Rod	1
11	31784	WELDMENT, Pushout Cylinder	1
12	P-16-57	CYLINDER CAP, Pushout	1

BE SURE TO SPECIFY MODEL AND SERIAL NUMBER WHEN ORDERING PARTS

31778 PUSH-OUT CYLINDER (For 13, 16, 18 and 20 yd. Bodies)

CAUTION

Order parts by part number NOT by reference number.
Any part ordered by reference number will be disregarded.



*Use Repair Kit 33558
for Serial No. under
SII - 13-870
SII - 16-3609
SII - 17-5574
SII - 20-7262
SII - 25-493
For Serial No.'s over these
numbers use Repair Kit 36363

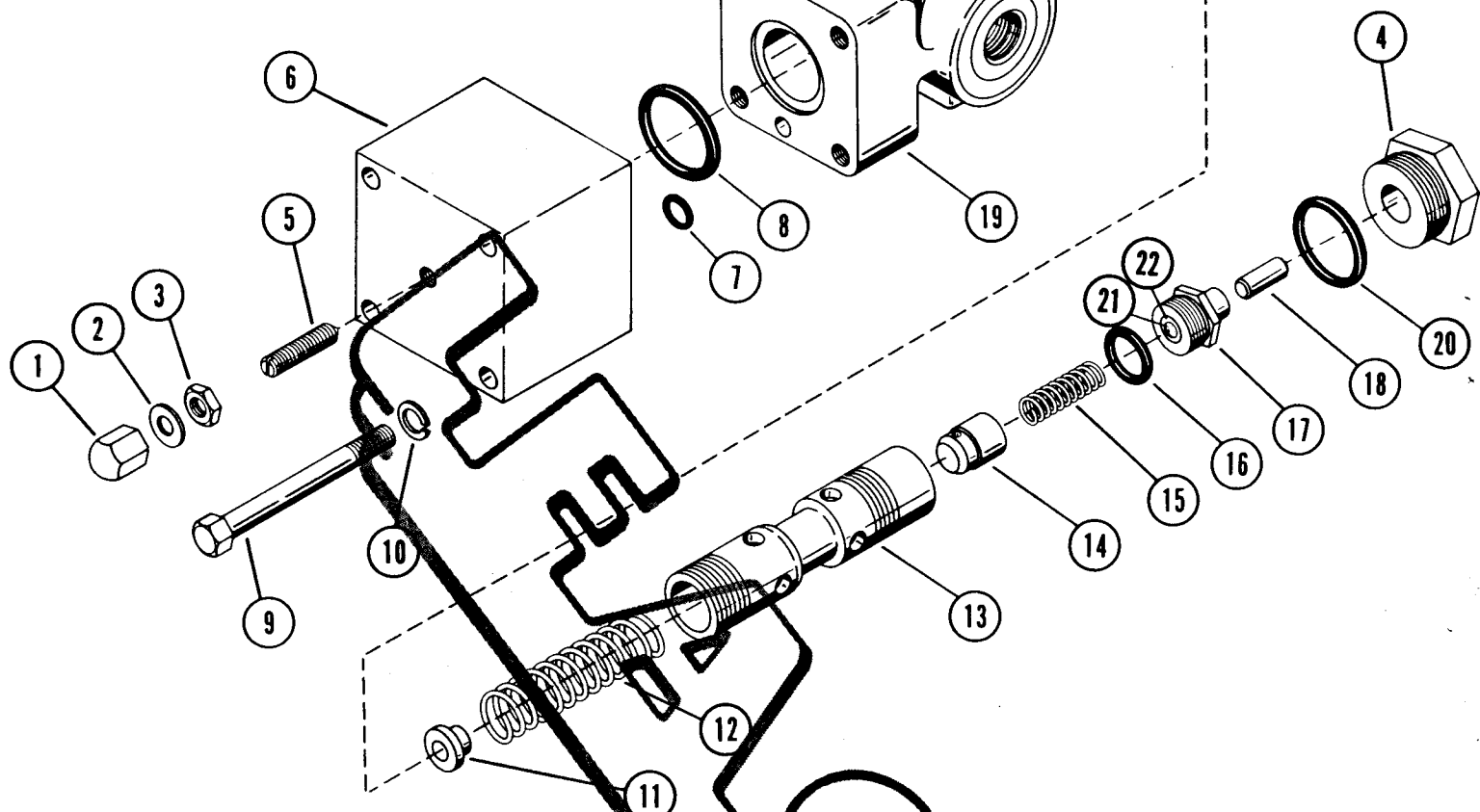
Ref. No.	Part No.	Description	Qty.
1	31780	PISTON ROD, Pushout	1
2	31781	PISTON	1
3	*17358	RING, Back Up	2
4	*15758	"U" CUP	2
5	16199	RING, Retaining	2
6	31782	RING, Pedestal	2
7	16150	SEAL, Oil	1
8	31783	HEAD, Cylinder	1
9	*16152	"O" RING	1
10	*16318	SEAL, Rod	1
	*35030	SEAL, Rod	1
11	31784	WELDMENT, Pushout Cylinder	1
12	P-16-57	CYLINDER CAP, Pushout	1

BE SURE TO SPECIFY MODEL AND SERIAL NUMBER WHEN ORDERING PARTS

15834 SEQUENCE VALVE

CAUTION

Order parts by part number NOT by reference number.
Any part ordered by reference number will be disregarded.



*Included in 1919244 Kit

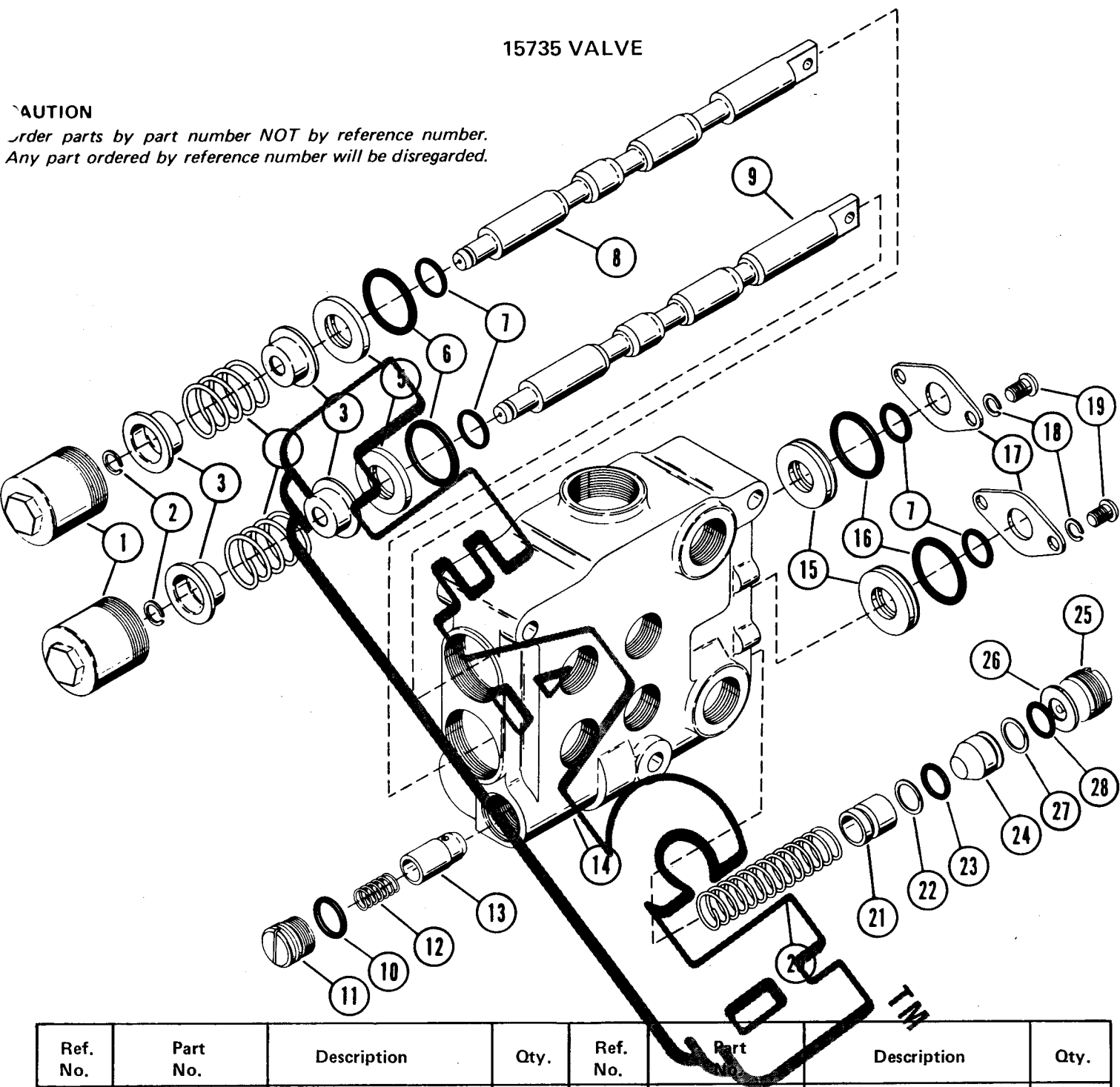
Ref. No.	Part No.	Description	Qty.
1	685635	NUT, Acorn	1
2	103X4	SEAL	2
3	17X36	NUT, Jam	1
4	685632	CAP	1
5	27X163	SCREW	1
6	685637	COVER	1
7	104X11A	"O" RING	1
8	104X216A	"O" RING	1
9		BOLT, 1/4-20 x 3 Lg. Hex. Hd.	4
10		LOCKWASHER, 1/4 Med. Split	4
11	685636	GUIDE, Spring	1
12	695699	SPRING, Compression	1
13	685633	SPOOL	1
14	636304	POPPET	1
15	552435	SPRING	1
16	105X8L	"O" RING	1
17	685630	CAP	1
18	23X195	PIN	1
19	636598	BODY	1
20	105X16L	"O" RING	1
21	602688	SCREEN	1
22	685631	PLUG, Orifice	1

BE SURE TO SPECIFY MODEL AND SERIAL NUMBER WHEN ORDERING PARTS

15735 VALVE

CAUTION

Order parts by part number NOT by reference number.
Any part ordered by reference number will be disregarded.



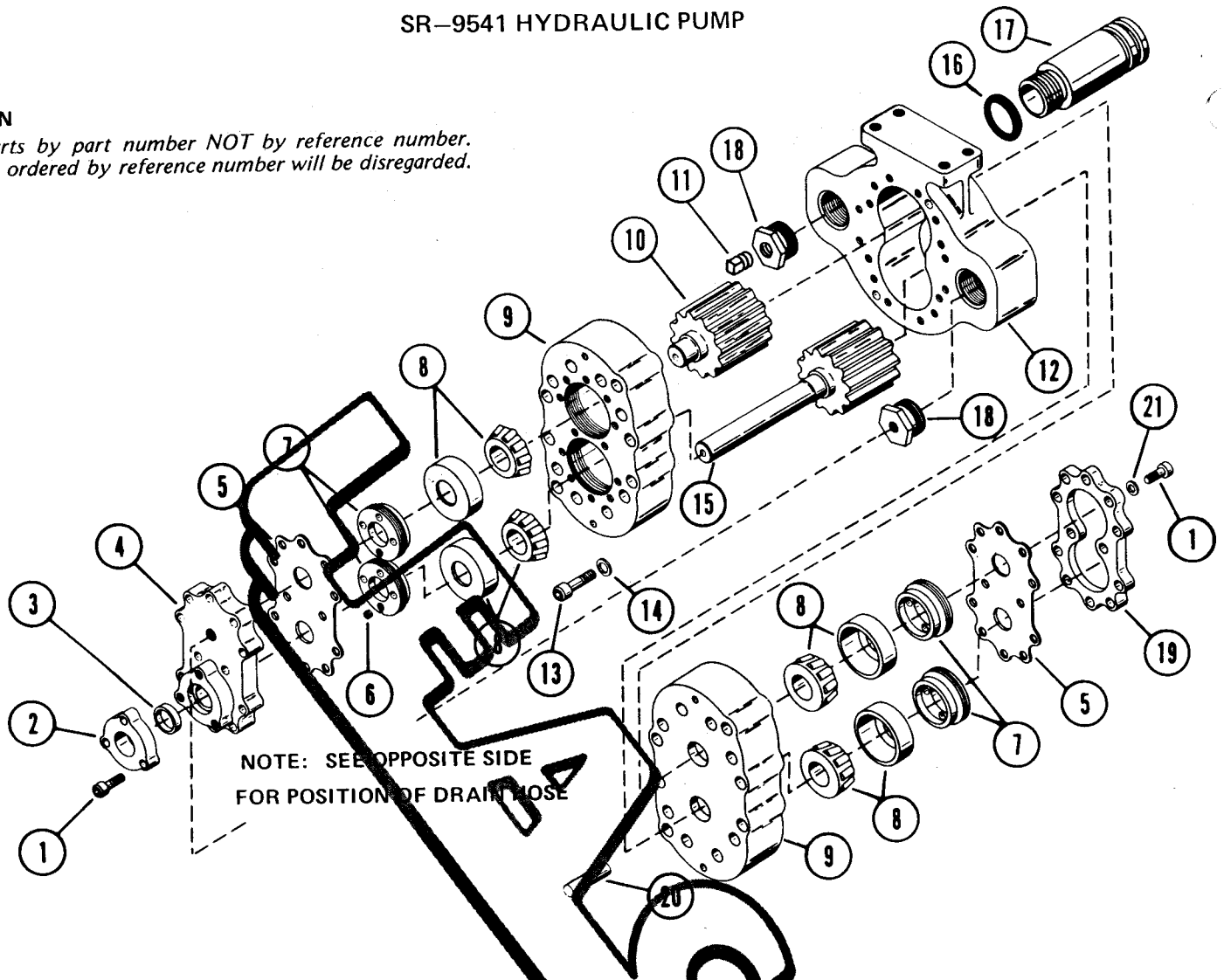
Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	36263	CAP, Spool	2	15	1659-592310	SEAL, Body	2
2	36098	RING, Snap	2	16	36268	"O" RING	1
3	1652-562064	SPACER	4	17	36274	PLATE	2
4	36288	SPRING	2	18	100X73	LOCKWASHER	4
5	1659-592203	RETAINER	2	19	100X73	SCREW	4
6	36270	"O" RING	2	20	36285	SPRING, Relief Valve	1
7	36266	"O" RING	4	21	1651-542123	PLUNGER	1
8	36279	"P" SPOOL	1	22	107X115A	RING, Backup	2
9	36278	"D" SPOOL	1	23	36265	"O" RING	2
10	36269	"O" RING	1	24	1651-542122	SEAT	1
11	1652-562077	CAP, Check Valve	1	25	1651-542124	CAP, Relief Valve	1
12	36284	SPRING	1	26	1651-542125	SHIM	Req.
13	1652-562075	POPPET, Check Valve	1	27	107X210	RING, Backup	1
14	1659-592312	BODY, Valve	1	28	104X210A	"O" RING	1

BE SURE TO SPECIFY MODEL AND SERIAL NUMBER WHEN ORDERING PARTS

SR-9541 HYDRAULIC PUMP

CAUTION

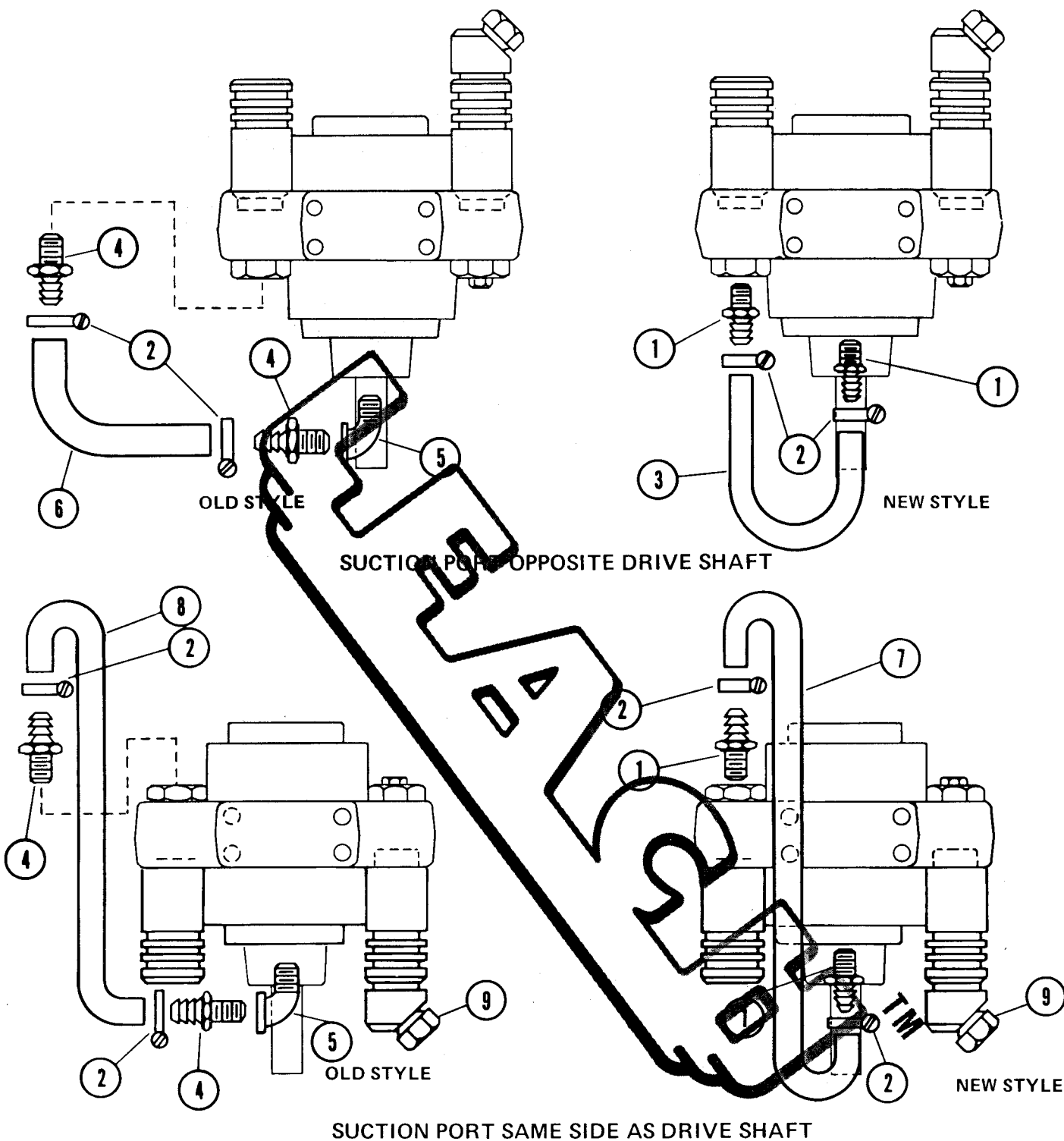
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Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1		CAP SCREW, 5/16-18 x 1-1/4 lg. soc. hd.	27	11		1/4" Pipe Plug	1
2	SR-9163	COVER, Oil seal	1	12	F-222-2	BODY, Pump	1
3	16184	SEAL, Oil	1	13		CAP SCREW, 3/8-16 x 2-3/4 lg. soc. hd.	24
4	SR-9162	COVER, Front	1	14	D21603	WASHER	24
5	SR-9160	GASKET	2	15	SR-8475-2	GEAR AND LONG SHAFT	1
6		PIPE PLUG, 1/8 NPT, Countersunk	4	16	16101	"O" RING	2
7	SR-9159	LOCKNUT, Bearing	4	17	P-16-1114	ADAPTOR, Hose	2
8	15106-15245-SP2	BEARING, Roller	4	18	SR-9554	PLUG, Special 1-1/4 SAE	2
9	SR-9514	COVER, Pump body	2	19	SR-9161	COVER, Rear	1
10	SR-8475-1	GEAR AND SHORT SHAFT	1	20	SR-9158	DOWEL	4
				21	D21602	WASHER	24

BE SURE TO SPECIFY MODEL AND SERIAL NUMBER WHEN ORDERING PARTS

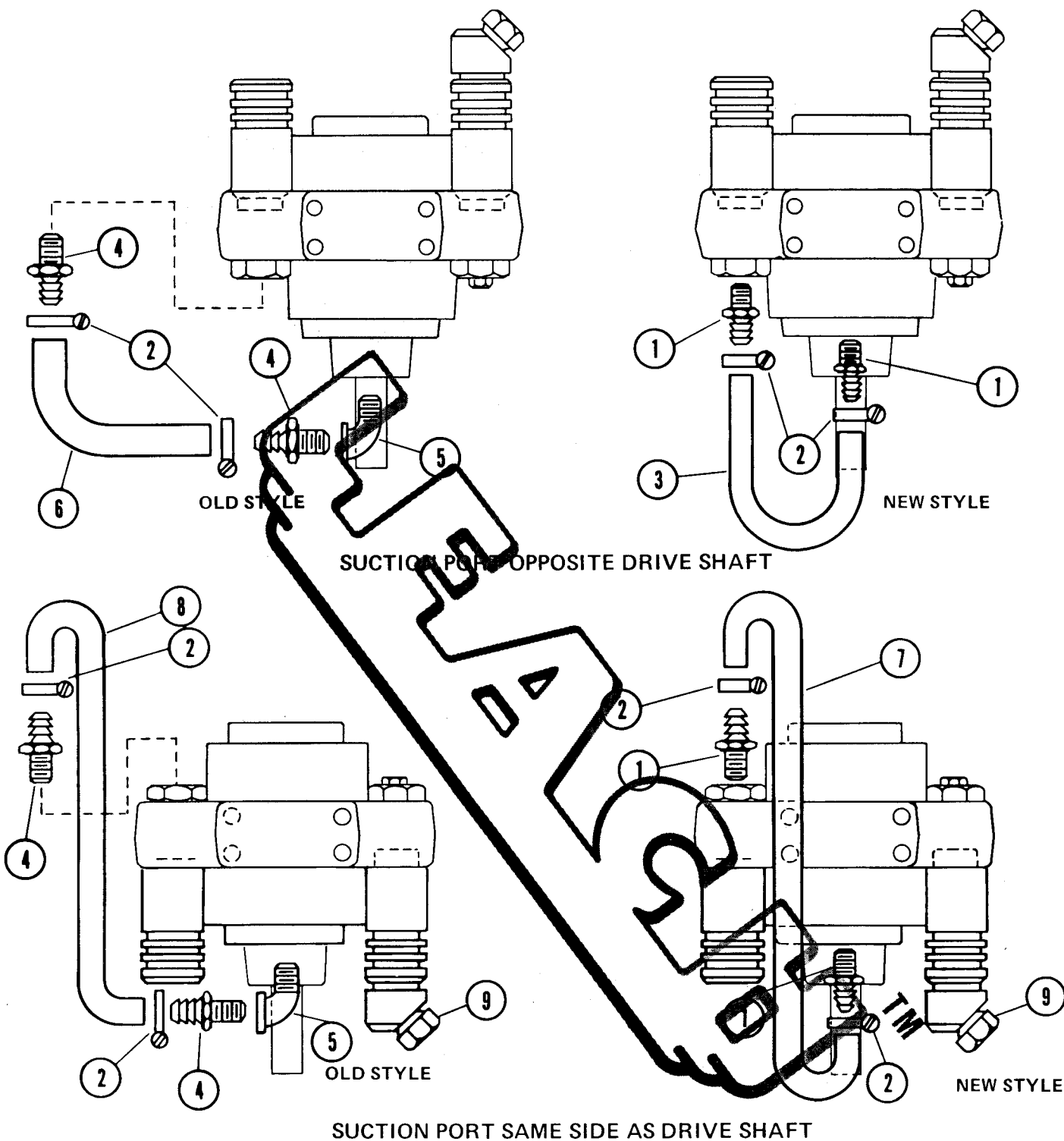
POSITION OF DRAIN HOSES FOR SR-9541 HYDRAULIC PUMP



Ref. No.	Part No.	Description	Qty.
1	16188	FITTING, Hose 3/8 Barbed	2
2	37654	CLAMP, Hose 1/4"	2
3	17883	HOSE, Hydraulic 3/8" x 12" lg. low pressure	1
4	16104	FITTING, Hose 1/4" str. low pressure	2
5	1/4CD-B	ELBOW, Street 1/4"	1
6		HOSE, Hydraulic 1/4" x 4-1/4" lg. low pressure	1
7	17889	HOSE, Hydraulic 3/8" x 18-1/2 lg. low pressure	1
8		HOSE, Hydraulic 1/4" x 16-15/16" lg, low pressure	1
9	17407	ELBOW	1

BE SURE TO SPECIFY MODEL AND SERIAL NUMBER WHEN ORDERING PARTS

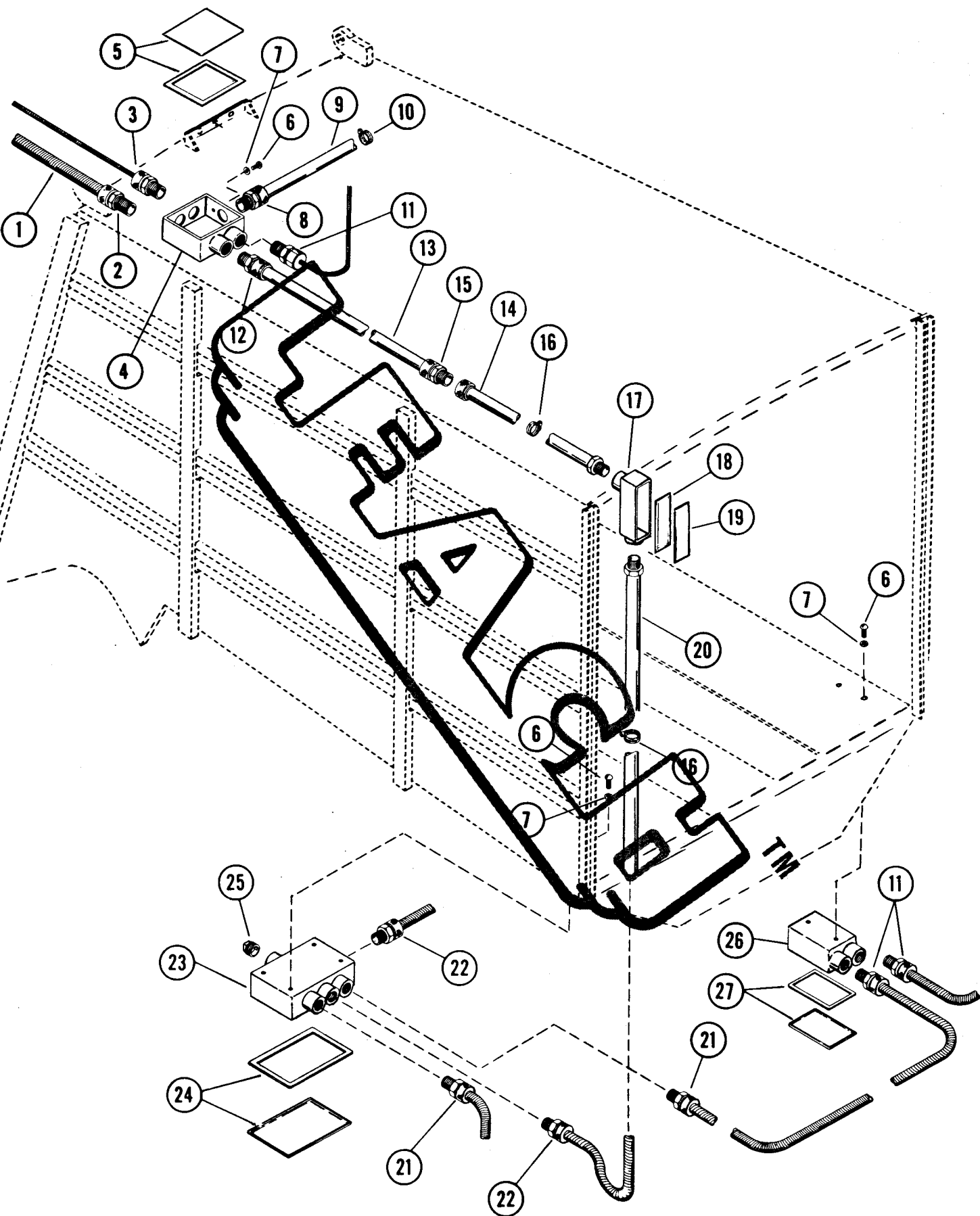
POSITION OF DRAIN HOSES FOR SR-9541 HYDRAULIC PUMP



Ref. No.	Part No.	Description	Qty.
1	16188	FITTING, Hose 3/8 Barbed	2
2	37654	CLAMP, Hose 1/4"	2
3	17883	HOSE, Hydraulic 3/8" x 12" lg. low pressure	1
4	16104	FITTING, Hose 1/4" str. low pressure	2
5	1/4CD-B	ELBOW, Street 1/4"	1
6		HOSE, Hydraulic 1/4" x 4-1/4" lg. low pressure	1
7	17889	HOSE, Hydraulic 3/8" x 18-1/2 lg. low pressure	1
8		HOSE, Hydraulic 1/4" x 16-15/16" lg, low pressure	1
9	17407	ELBOW	1

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ELECTRICAL WIRING CONDUIT TUBING AND RELATED PARTS



CAUTION

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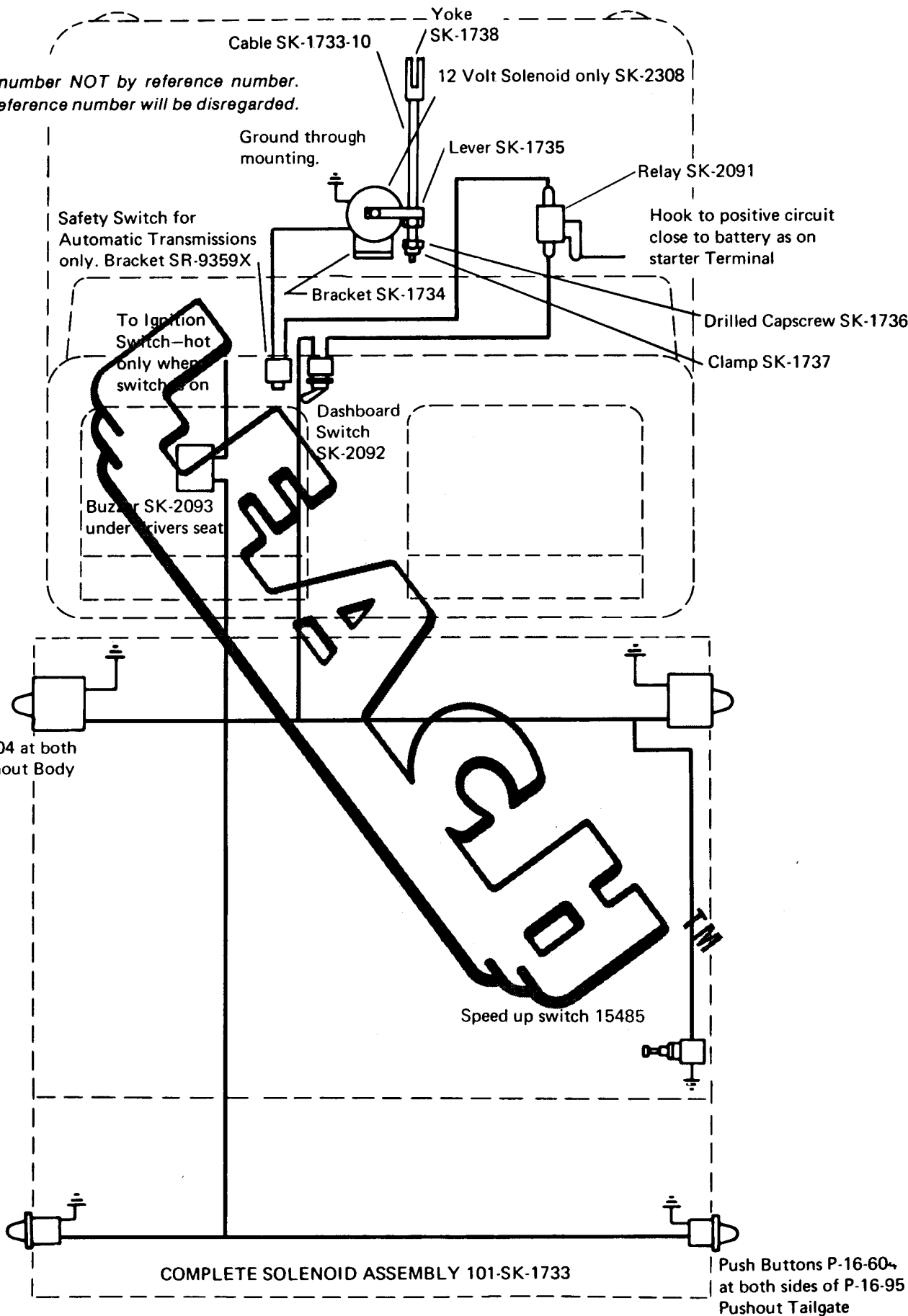
Ref. No.	Part No.	Description	Qty.
1	15496	CONDUIT, Flexible	1
2	16137	CONNECTOR, Straight 3/4" NPT	2
3	16144	CONNECTOR, Straight 5/16" x 1/2" NPT	1
4	P-16-977	JUNCTION BOX, Body top rear right	1
5	16092	COVER, Junction box w/gasket	1
6		SCREW, Round head machine 1/4" - 20 x 1/2" lg.	8
7	16176	STAT-O-SEAL, gasket #7100 1/4"	8
8	16139	CONNECTOR, Straight 1/2" EMT	1
9	P-16-978	TUBE, Body top rear cross	1
10	16142	CLAMP, Hose	1
11	16149	CONNECTOR, Straight, cable 5/16" x 3/4" NPT	1
12	16140	CONNECTOR, Straight 3/4" EMT	1
13	P-25-159	TUBE, Body top - 25 yd. (25 yd. only)	1
14	16858	TUBE, Body top - 20 yd. 25 yd.	1
	16857	TUBE, Body top - 17 yd.	1
	16856	TUBE, Body top - 16 yd.	1
	P-13-29	TUBE, Body top - 13 yd.	1
15	16229	COUPLING - 3/4" EMT (25 yd. only)	1
16	16143	CLAMP, Hose	2
17	16127	CONDULET, Obround 1/4" x 80"	1
18	16161	GASKET, Condulet 3/4"	1
19	16147	COVER, Condulet Obround	1
20	16855	TUBE, Body front	1
21	16145	CONNECTOR, Straight cable 1/2" x 1/2" NPT	4
22	16146	CONNECTOR, Straight cable 5/8" x 1/2" NPT	2
23	P-16-982	JUNCTION BOX, Body front underfloor right	1
24	16099	COVER, Junction box w/gasket	1
25		PLUG, Pipe 1/2" square head	1
26	P-16-983	JUNCTION BOX, Body front underfloor left	1
27	16141	COVER, Junction box w/gasket	1

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WIRING DIAGRAM

CAUTION

Order parts by part number NOT by reference number.
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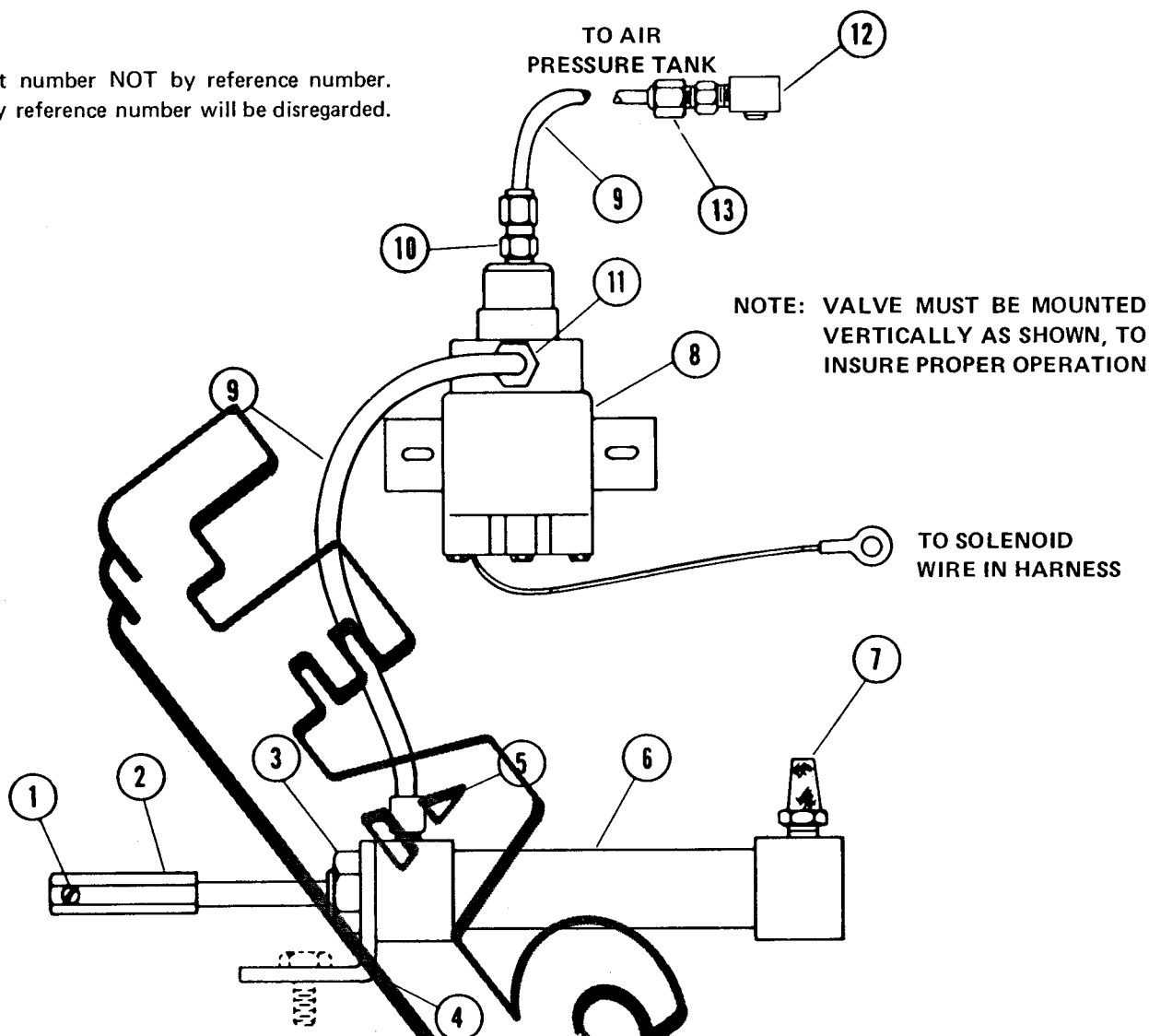
BE SURE TO SPECIFY MODEL AND SERIAL NUMBER WHEN ORDERING PARTS

P16-1292 AIR OPERATED SPEED UP KIT

CAUTION

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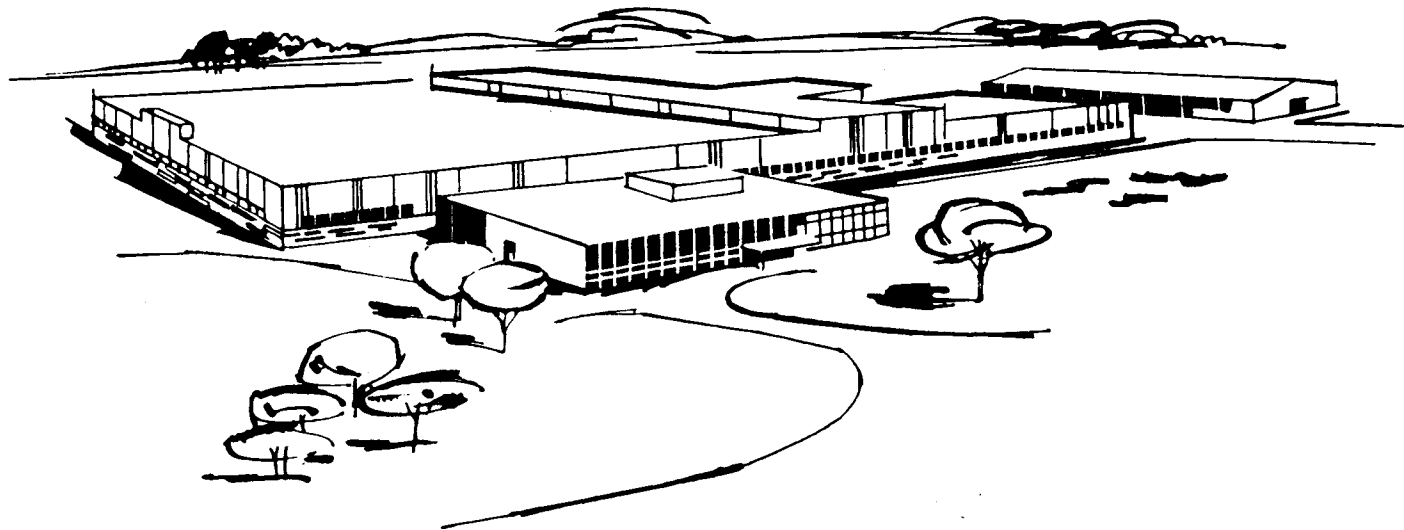
NOTE: 16667 SOLENOID VALVE W/(2) 3224 x 2 BUSHINGS REPLACES D-0005C SOLENOID VALVE (FIELD REPLACEMENT)

Ref. No.	Part No.	Description	Qty.
1	10-32 x 1/4	SOCKET, std set screw	1
2	P16-1060	COUPLER (Tiny Tim Cyl)	1
	18964	COUPLER (Sheffer Cyl)	1
3		CYLINDER NUT	1
4	P16-1064	BRACKET (Tiny Tim Cyl)	1
	18965	BRACKET (Sheffer Cyl)	1
5	169 PTD 4 x 4	ELBOW	1
6	15703	AIR CYLINDER (Tiny Tim)	1
	18963	AIR CYLINDER (Sheffer)	1
7	EM-1	MUFFLER	1
8	16667	SOLENOID VALVE	1
9	44-PP-1/4	NYLON TUBING, 15 ft.	1
10	68 PTD 4 x 4	CONNECTOR	1
11	169 PTD 4 x 4	ELBOW	2
12	3400 x 2	ELBOW	1
13	68 PTD 4 x 2	CONNECTOR	1

BE SURE TO SPECIFY MODEL AND SERIAL NUMBER WHEN ORDERING PARTS

LEACH COMPANY

OSHKOSH, WISCONSIN



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the manufacturing of refuse equipment!*