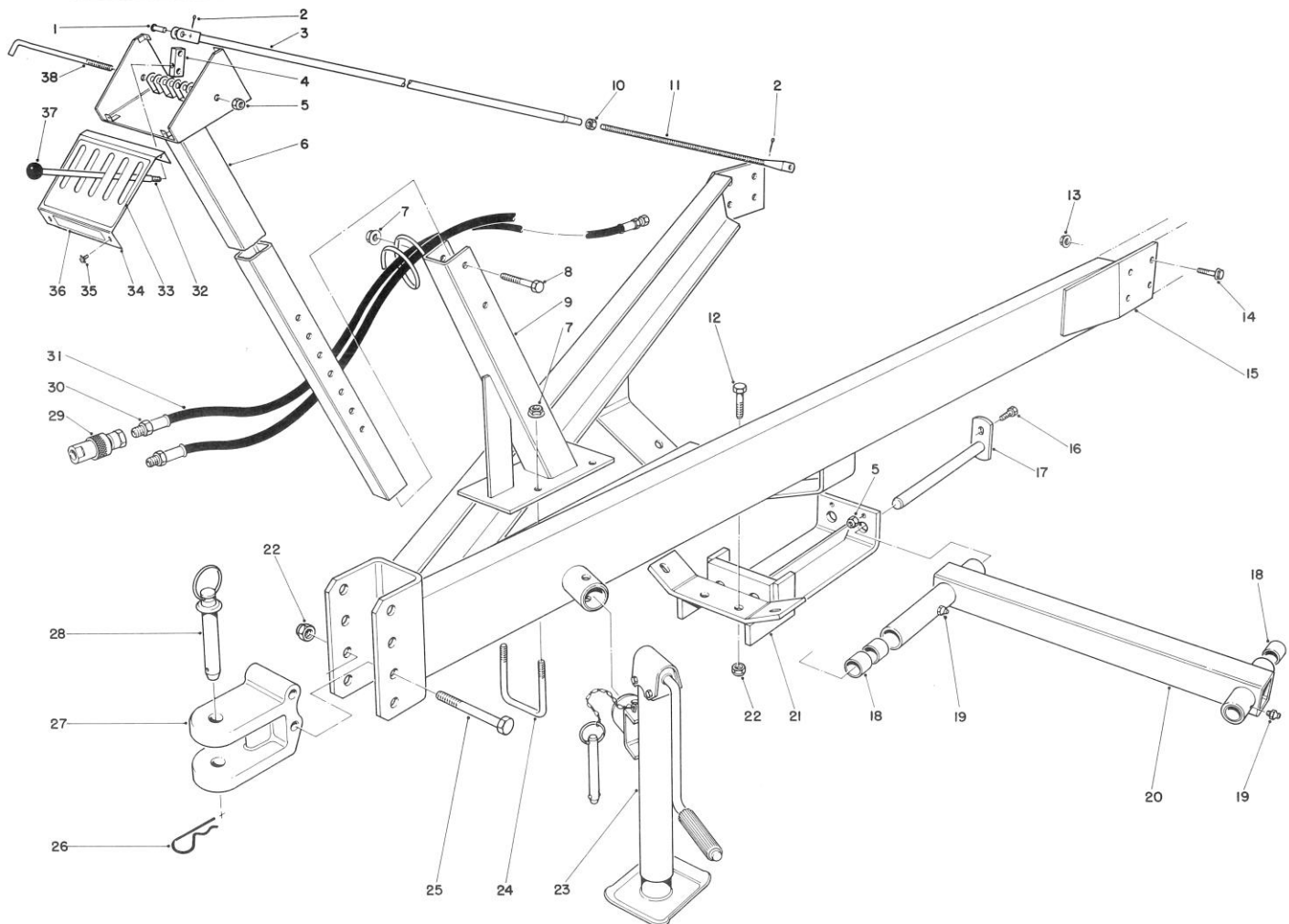


TORO®

MODEL NO. 33457-30001 & UP

PARTS CATALOG

REELMASTER TRANSPORT FRAME



CONTROL TOWER & LINKAGE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	283-6	Pin — Clevis	5
2	3272-31	Pin — Cotter	10
3	47-3880	Control Linkage	5
4	47-3620	Lever — Pivot Block	5
5	3296-29	Nut — Lock	3
6	47-3680	Upper Control Tower	1
7	3290-357	Nut — Flanged	6
8	323-13	Screw — Cap Hex Hd.	2
9	47-3380	Control Tower — Lower	1
10	3217-8	Nut — Hex	5
11	47-3630	Rod — Control Linkage	5
12	327-6	Screw — Cap Hex Hd.	4
13	32128-24	Nut — Flange	8
14	3234-22	Screw — Cap Hex Hd.	8
15	47-3130	Tongue	1
16	322-6	Screw — Cap Hex Hd.	2
17	26-8250	Pin — Lift Arm	2
18	3-0348	Bushing	12
19	302-5	Grease Fitting	4
20	47-3250	Lift Arm #2 & 3 Cutting Unit (Incl. Ref. #18)	2

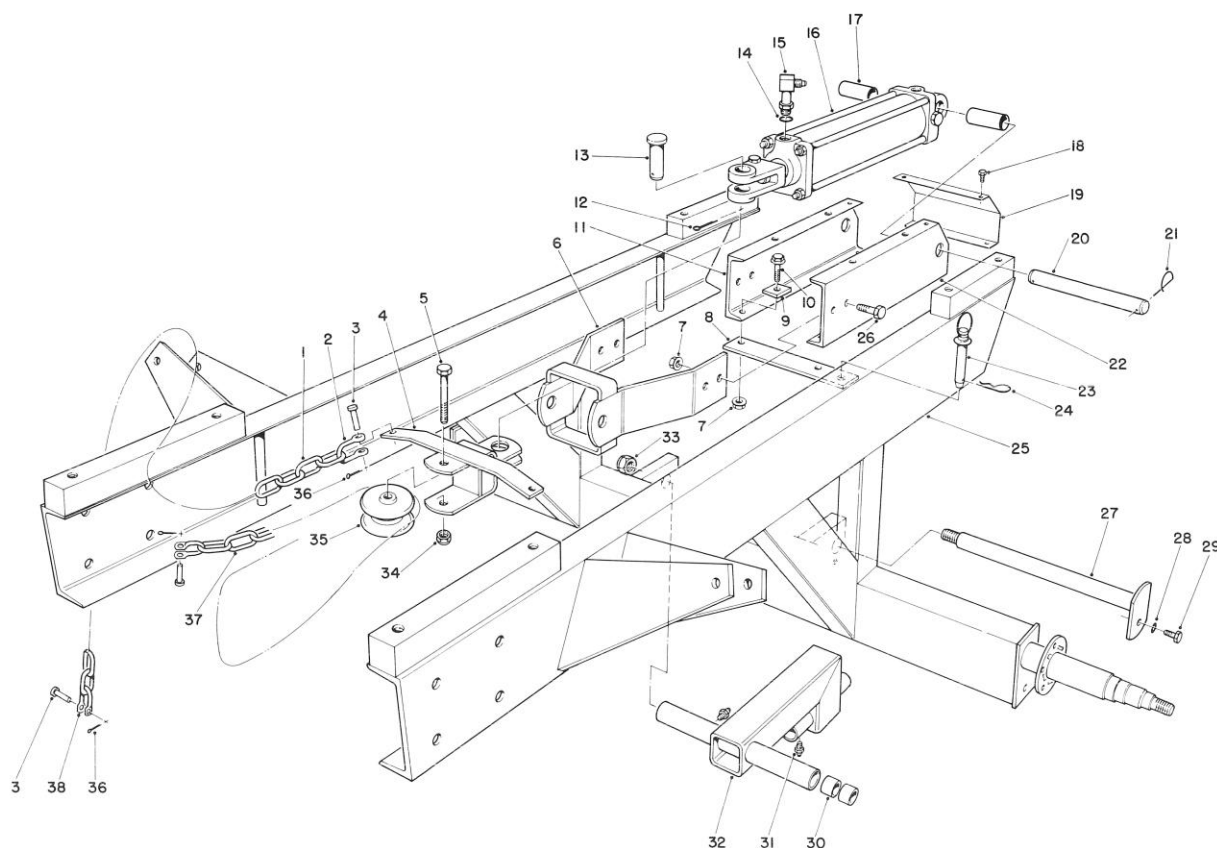
Ref. No.	Part No.	Description	No. Used
21	26-8160	Lift Arm Support	1
22	3296-24	Nut — Lock	6
23	47-3670	Jack Assembly	1
24	47-3460	U-Bolt	2
25	327-23	Screw — Cap Hex Hd.	2
26	3290-343	Hair Pin Cotter	1
27	47-3550	Clevis Hitch	1
28	13-6200	Pin — Pointed (Incl. Ref. #26)	1
29	353-819	Body — Hydraulic Quick Coupler	2
30	353-820	Tip — Hydraulic Quick Coupler	2
31	36-2480	Hose — Hydraulic	2
32	47-3810	Lever — Valve	5
33	47-5600	Decal — Operation	1
34	47-3820	Cover — Control Column	1
35	3234-13	Screw — Cap, Hex Hd.	4
36	47-3770	Decal — Operator's Manual	1
37	3-0631	Knob	5
38	47-3450	Pin — Pivot	1

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MINNEAPOLIS, MN 55420 — U.S.A.

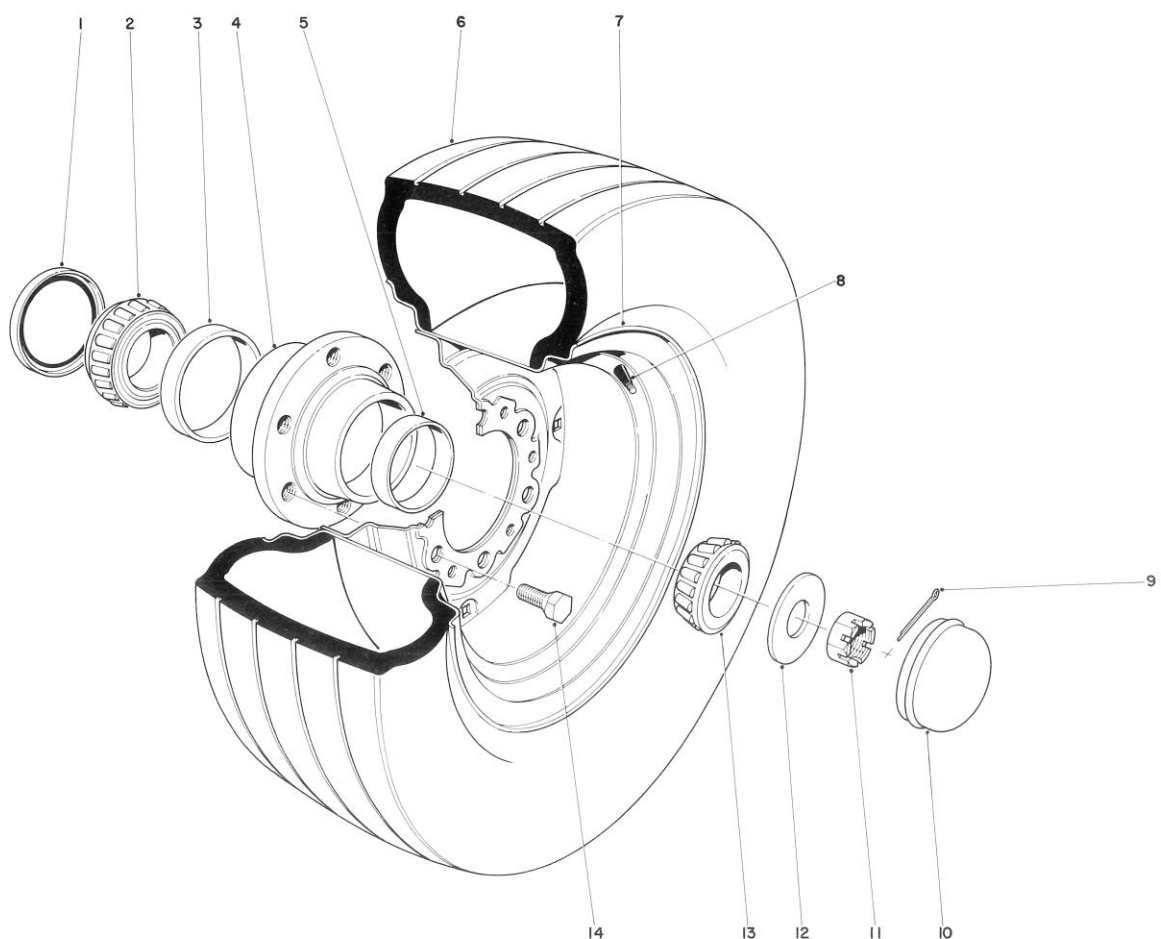
PRICE \$1.00



MAIN FRAME ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	47-3650	Chain – Lift No. 2 & 3 Cutting Units	2
2	8-0280	Shackle	2
3	283-10	Pin – Clevis	5
4	47-3940	Pulley Support	1
5	325-17	Screw – Cap Hex. Hd.	1
6	47-3930	Lockup Bracket	1
7	32128-24	Nut – Flange	6
8	47-3640	Rest – Cylinder	1
9	3290-216	Washer – Taper	2
10	3234-22	Screw – Cap Hex Hd.	2
11	47-3870	Channel R.H.	1
12	3272-13	Pin – Cotter	1
13	26-8590	Pin – Cylinder	1
14	237-79	O-Ring	2
15	353-537	Elbow – Male (Incl. Ref. #14)	2
16	47-3720	Hydraulic Cylinder	1
17	20-4390	Tube – Spacer	2
18	32104-17	Screw – Self Tapping Hex Hd.	4
19	42-3550	Cover – Cylinder Mounts	1

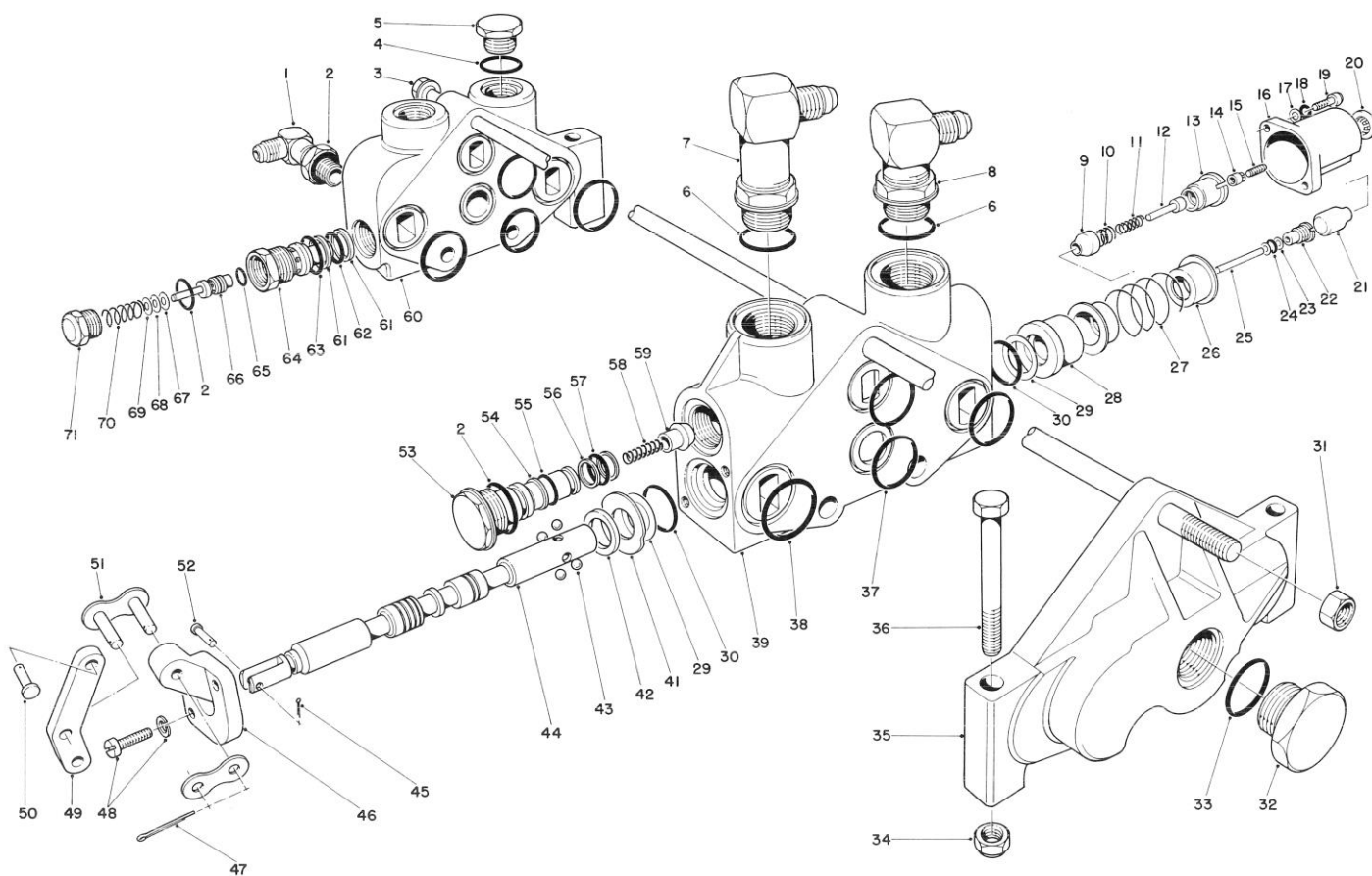
Ref. No.	Part No.	Description	No. Used
20	3-0144	Shaft	1
21	5-3126	Pin – Spring	2
22	47-3860	Channel L.H.	1
23	13-6200	Pin – Pointed (Incl. Ref. #24)	1
24	3290-343	Hair Pin Cotter	1
25	47-3010	Trailer	1
26	325-6	Screw – Hex Hd.	4
27	37-2760	Bail – Lift Pin	1
28	3253-4	Washer – Lock	1
29	322-3	Screw – Cap Hex Hd.	1
30	3-0348	Bushing	6
31	302-5	Grease Fitting	2
32	47-3230	Lift Arm (Incl. Ref. #30)	1
33	3296-50	Nut – Lock	1
34	3296-45	Nut – Lock	1
35	3-2196	Sheave	1
36	3272-10	Pin – Cotter	5
37	47-3660	Chain – Lift No. 1 Cutting Unit	1
38	5-2942	Shackle Long	3



WHEEL & TIRE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	253-144	Seal — Grease	2
2	254-103	Bearing — Cone, Inner	2
3	254-104	Bearing — Cup	2
4	217-110	Hub (Incl. Ref. #3 & 5)	2
5	254-61	Bearing Cup	2
6	231-72	Tire	2
7	217-109	Wheel	2

Ref. No.	Part No.	Description	No. Used
8	232-27	Valve Stem	2
9	3272-17	Cotter Key	2
10	217-111	Cap — Hub	2
11	32136-1	Nut — Slotted	2
12	47-2540	Washer	2
13	254-62	Bearing — Cone Outer	2
14	217-103	Bolt — Wheel	12



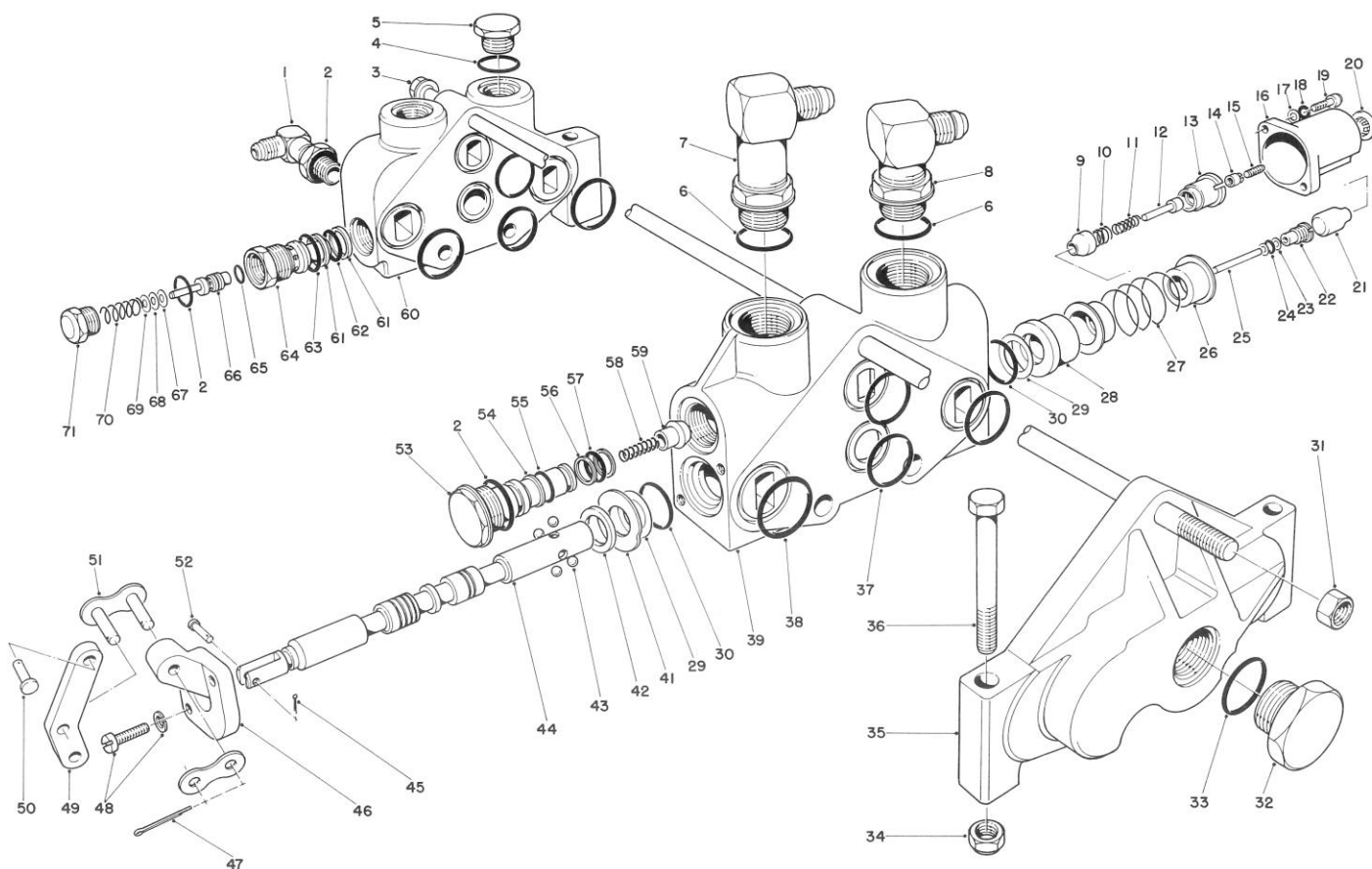
HYDRAULIC VALVE ASSEMBLY NO. 47-3980

Ref. No.	Part No.	Description	No. Used
1	353-426	Elbow — 90° (Incl. Ref. #2)	2
2	237-80	"O"-Ring	5
3	44-7612	Bolt — Hex Washer Hd.	3
4	237-80	Seal — "O"-Ring	3
5	353-721	Plug Assembly (Incl. Ref. #4)	2
6	237-79	O-Ring	10
7	38-5540	Elbow—Male 90° (Incl. Ref. #6)	3
8	353-537	Elbow — Male (Incl. Ref. #6)	7
9	353-816	Follower — Ball	1
10	353-815	Spring — Compression	1
11	353-814	Spring — Compression	1
12	353-807	Guide — Spring	1
13	353-809	Collar — Spool	1
14	353-810	Nut — Lock Special	1
15	353-811	Screw — Set Hex	1
16	353-813	Bonnet	1
17	353-805	Plate — Bearing	2
18	3253-3	Washer — Lock	2
19	353-806	Screw	2
20	353-812	Plug — Button, Flush Hd.	1
21	353-818	Plunger — Knockout	1
22	353-804	Guide — Piston	1
23	353-803	Ring — Back Up	2

Ref. No.	Part No.	Description	No. Used
24	353-802	Seal — "O" Ring	1
25	353-801	Roller — Needle	1
26	353-808	Collar — Spring	2
27	47-5800	Spring — Compression	1
28	353-817	Sleeve — Detent	1
29		Washer — Backup	2
30	353-570	Seal — "O" Ring Spool	2
31	3219-3	Nut — Hex	3
32	353-799	Conversion Plug Assembly (Incl. Ref. #33)	1
33	353-800	Seal — "O" Ring	1
34	3296-29	Nut — Lock	3
35	353-798	Plate — Cover, Right	1
36	322-13	Screw — Cap Hex Hd.	3
37		O-Ring Valve Body	16
38		O-Ring Valve Body	16
39		Housing — Valve	1
*	47-3970	Section — Valve, 1 Spool (Incl. Ref. #2, 9-30, 39, 41-44, 46, 48, 53-59)	5
41		Retainer — Seal	1
42	353-318	Seal — Wiper	1
43	353-418	Ball — Steel	4

*Not Illustrated

Note: Quantities indicated are for one valve section.



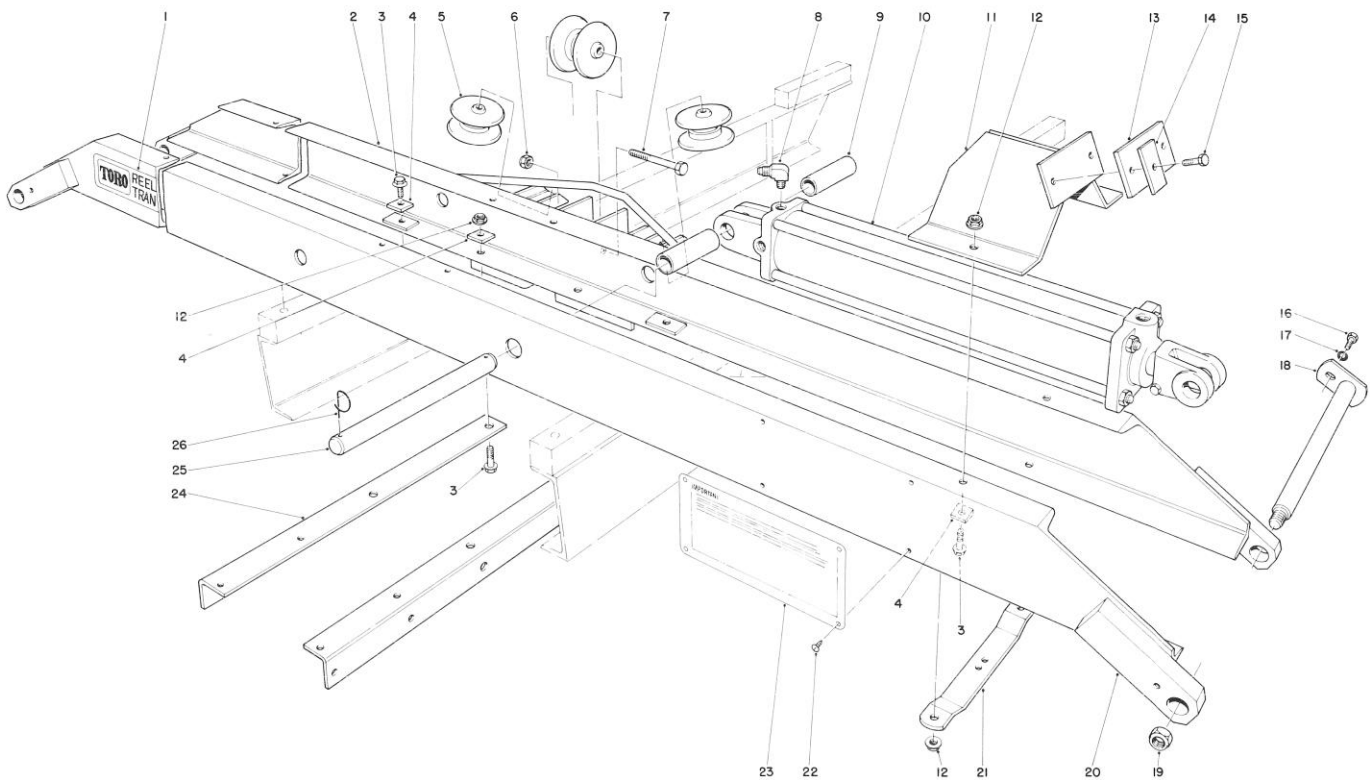
HYDRAULIC VALVE ASSEMBLY NO. 47-3980 (Continued)

Ref. No.	Part No.	Description	No. Used
44		Spool – 4 Way, KO	1
45	353-321	Pin – Cotter	5
46	353-324	Bracket – Handle	1
47	353-320	Pin – Cotter	5
48	353-315	Screw & Washer Assembly	2
49	47-3610	Lever – Control	5
50	283-30	Pin – Clevis	5
51	353-319	Link – Connecting	5
52	353-322	Pin	5
53	44-7660	Plug – Check	2
54	353-306	Washer – Back Up	2
55	353-305	Seal – “O” Ring	2
56	353-303	Seal – Back Up	4
57	353-302	Seal – “O” Ring	2
58	353-304	Spring – Poppet	2
59	353-301	Lift Check Poppet	2
60	44-7621	Plate V20 L.E. Cover	1
61	353-759	Seal – Back Up	2
62	353-758	Seal – “O” Ring	1

Ref. No.	Part No.	Description	No. Used
63	353-331	Seal – “O” Ring	1
64	353-760	Body “WH” Relief	1
65	353-392	Seal – Relief Poppet	1
66	353-531	Poppet – Relief Assy. (Incl. Ref. #65)	1
67	353-328	Washer – Shim .040	A/R
68	353-329	Washer – Shim .020	A/R
69	353-330	Washer – Shim .010	A/R
70	46-2380	Spring – Relief	1
71	353-334	Cap – Relief	1
*	353-528	Sectional Seal Kit (Incl. Ref. #37 & 38)	1
*	353-481	Plug – Load Check Assy. (Incl. Ref. #53-57)	2
*	353-515	Spool Seal Kit (Incl. Ref. #29-30 & 41)	2
*	47-3980	Control Valve Assy. (Incl. Ref. #2-5, 9-32, 35, 37-39, 41-49, 46, 48, 53-64, 66-71)	1

*Not Illustrated

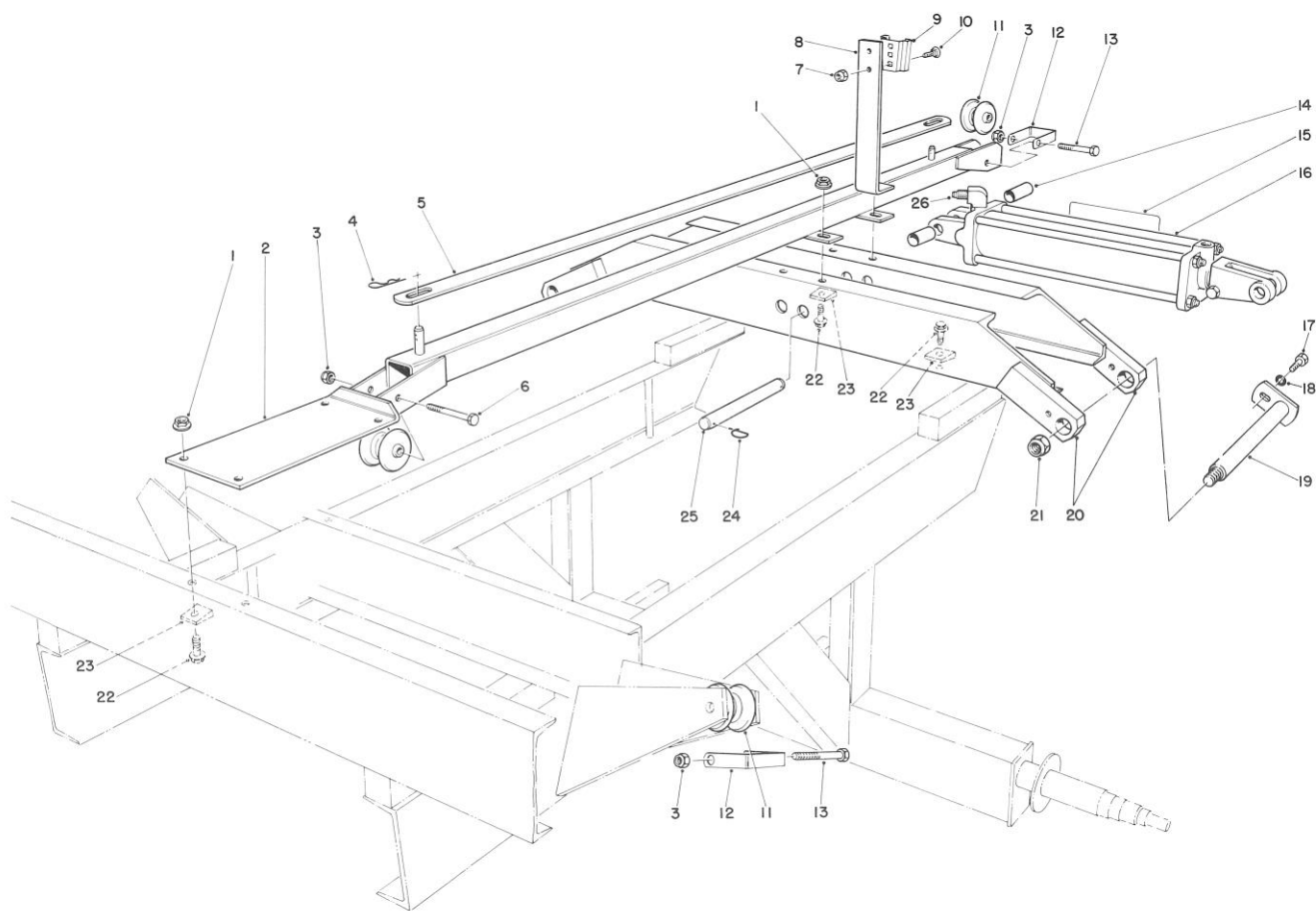
Note: Quantities indicated are for one valve section.



FRONT CROSS CHANNEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	47-3990	Decal — Toro	1
2	47-3570	Cross Channel Front — Rear	1
3	3234-22	Screw — Cap Hex Hd.	16
4	3290-216	Washer — Taper	16
5	3-2196	Sheave	3
6	3296-45	Nut — Lock	3
7	325-17	Capscrew	3
8	47-3840	Elbow .094 Orifice	4
9	20-4390	Tube Spacer	4
10	22-7530	Hydraulic Cylinder — 12"	2
11	11-5630	Stop Arm	2
12	32128-24	Nut — Flange	12
13	11-4590	Pad — Bumper	2

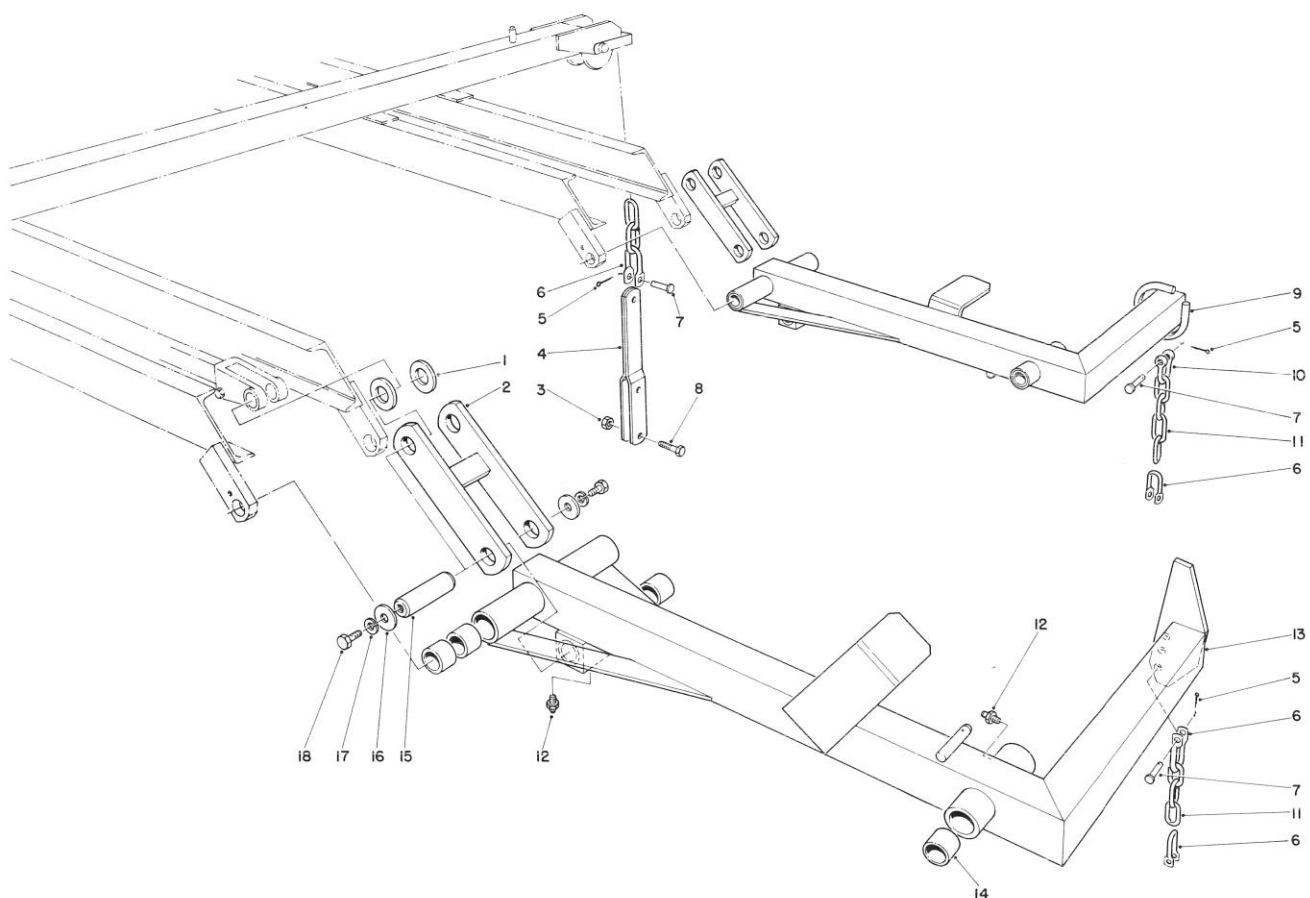
Ref. No.	Part No.	Description	No. Used
14	11-5270	Washer — Bumper	4
15	322-6	Screw — Cap Hex Hd.	4
16	322-3	Screw — Cap Hex Hd.	2
17	3253-4	Washer — Lock	2
18	37-2760	Bail — Lift Pin	2
19	3296-50	Nut — Lock	2
20	47-3560	Cross Channel Front	1
21	37-2910	Rest — Cylinder	2
22	3259-2	Screw — Rd. Hd.	4
23	47-3900	Plate — Information	1
24	47-3470	Support — Valve	2
25	3-0144	Shaft	2
26	5-3126	Pin Spring	4



REAR CROSS CHANNEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	32128-24	Nut — Flange	8
2	47-3500	Channel Brace	1
3	3296-45	Nut — Lock	4
4	3290-355	Hairpin — Cotter	4
5	47-3800	Strap — Locking	2
6	325-17	Capscrew	1
7	3296-29	Nut — Lock	2
8	47-3480	Bracket — Slow Moving Vehicle	1
9	38-6200	Socket — Slow Moving Vehicle Emblem	1
10	3230-20	Bolt — Carriage	2
11	3-2196	Sheave	4
12	3-0136	Keeper — Chain	3
13	325-18	Screw — Cap Hex Hd.	3

Ref. No.	Part No.	Description	No. Used
14	20-4390	Tube — Spacer	4
15	47-3990	Decal — Toro	1
16	22-7520	Hydraulic Cylinder 10"	2
17	322-3	Screw — Cap Hex Hd.	2
18	3253-4	Washer — Lock	2
19	37-2760	Bail — Lift Pin	2
20	8-1280	Rear Cross Channel	2
21	3296-50	Nut — Lock	2
22	3234-22	Screw — Cap Hex Hd.	12
23	3290-216	Washer — Taper	12
24	5-3126	Pin — Spring	4
25	3-0144	Shaft	2
26	47-3840	Elbow .094 Orifice	4

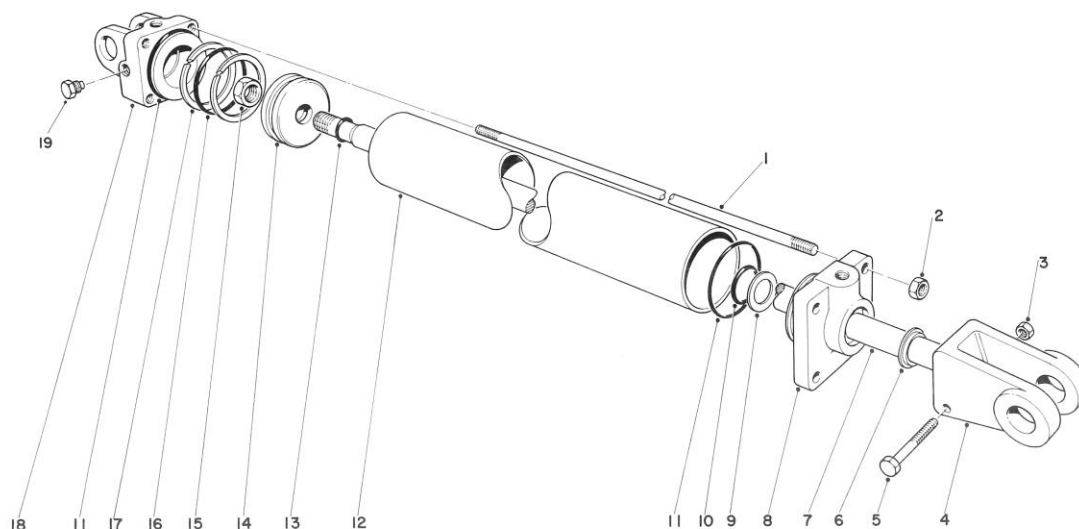


LIFTARM ASSEMBLIES NO. 4-7

Ref. No.	Part No.	Description	No. Used
1	3256-30	Washer — Plain	8
2	23-2610	Link	4
3	32146-2	Nut — Lock	1
4	47-3430	Lift Bracket	1
5	3272-10	Cotter Pin	9
6	5-2942	Shackle — Long	7
7	283-10	Pin Clevis	9
8	323-8	Capscrew	1
9	47-3280	Short Arm No. 4 Cutting Unit (Incl. Ref. #14)	1
*	47-3270	Short Arm No. 5 Cutting Unit (Incl. Ref. #14)	1

Ref. No.	Part No.	Description	No. Used
10	8-0280	Shackle	2
11	3-4636	Chain — Lift Bail	4
12	302-5	Grease Fitting	12
13	47-3590	Long Arm No. 6 Cutting Unit (Incl. Ref. #14)	1
*	47-3600	Long Arm No. 7 Cutting Unit (Incl. Ref. #14)	1
14	3-0348	Bushing	32
15	3-0128	Shaft	8
16	5-1720	Washer	16
17	3253-5	Washer — Lock	16
18	3211-4	Screw — Cap Hex Hd.	16

*Not Illustrated



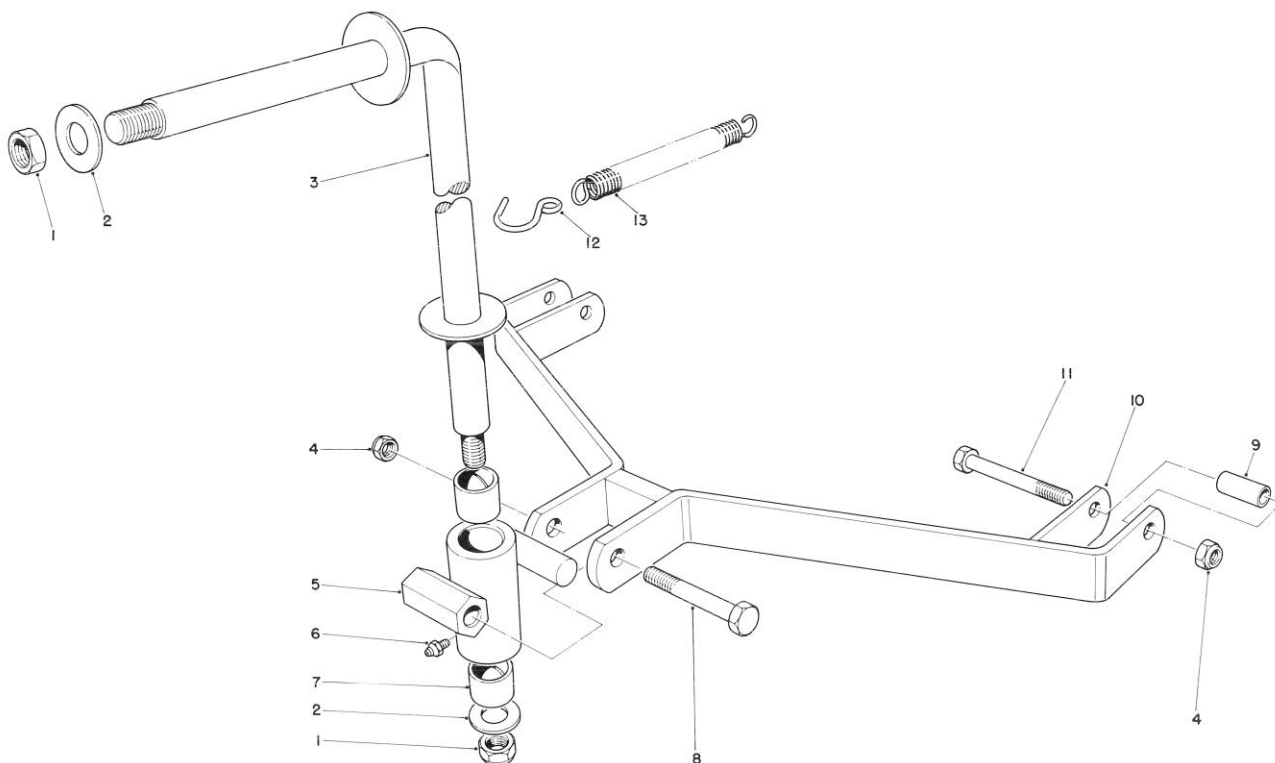
10" (22-7520) AND 12" (22-7530) AND 14" (47-3720) — CYLINDERS

Ref. No.	Part No.	Description	No. Used
1	22-8670	Tie Rod 10" (Incl. Ref. #2)	4
*	22-8710	Tie Rod 12" (Incl. Ref. #2)	4
*	47-2660	Tie Rod 14" (Incl. Ref. #2)	4
2	3217-9	Nut	4
3	32146-5	Locknut	1
4	22-8680	Clevis Assembly	1
5	322-11	Capscrew	1
6	22-8660	Wiper Ring Seal 10" & 12"	1
*	47-5630	Wiper Ring Seal 14"	1
7	22-8610	Piston Rod 10"	1
*	22-8690	Piston Rod 12"	1
*	47-2690	Piston Rod 14"	1
8	22-8630	Head 10" & 12"	1
*	47-2670	Head 14"	1
9	22-8650	Back-Up Washer 10" & 12"	1
*	47-2290	Back-Up Washer 14"	1
10	22-8640	"O" Ring Seal	1
*	47-2280	U-Cup Seal 14"	1

Ref. No.	Part No.	Description	No. Used
11	22-8550	O-Ring Seal	2
*	47-2270	O-Ring Seal	2
12	22-8620	Barrel 10"	1
*	22-8700	Barrel 12"	1
*	47-2680	Barrel 14"	1
13	22-8600	O-ring Seal	1
14	22-8590	Piston	1
15	22-8560	Locknut	1
16	22-8570	"O" Ring Seal	1
17	22-8580	Back Up Washer	2
18	22-8540	Butt — End Cap 10" & 12"	1
*	47-2700	Butt — End Cap 14"	1
*	22-8720	Seal Kit (Incl. Ref. #6, 9-11, 13 & 16-17) 10" & 12"	1
*	47-3730	Seal Kit (Incl. Ref. #6, 9-11, 13 & 16-17) 14"	1
19	281-2	Plug 10" & 12"	1
*	353-497	Plug 14"	1

*Not Illustrated

Note: Quantities indicated are for one cylinder.

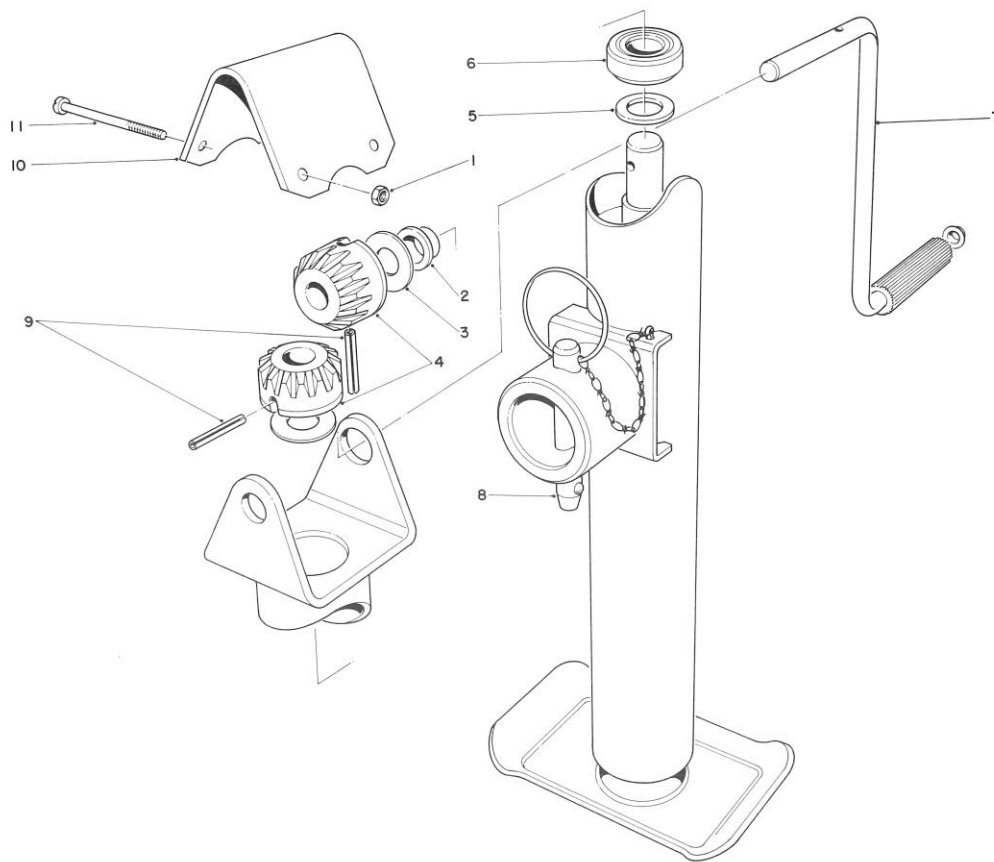


LIFT BAIL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3296-50	Nut — Lock	14
2	3-8448	Washer — Thrust	14
3	26-8310	Bail Lift No. 1, 2 & 3 Cutting Units	3
*	28-8720	Bail Lift No. 4, 5, 6 & 7 Cutting Units	4
4	3296-45	Nut Lock	21
5	6-1030	Housing Assy. (Incl. Ref. #6&7)	7

Ref. No.	Part No.	Description	No. Used
6	302-5	Grease Fitting	7
7	3-0348	Bushing	14
8	325-17	Screw — Cap Hex. Hd.	7
9	5-1091	Spacer	14
10	3-9280	Draw Bar	7
11	325-14	Screw — Cap Hex. Hd.	14
12	3-2198	S-Hook	7
13	5-1706	Spring	7

*Not Illustrated

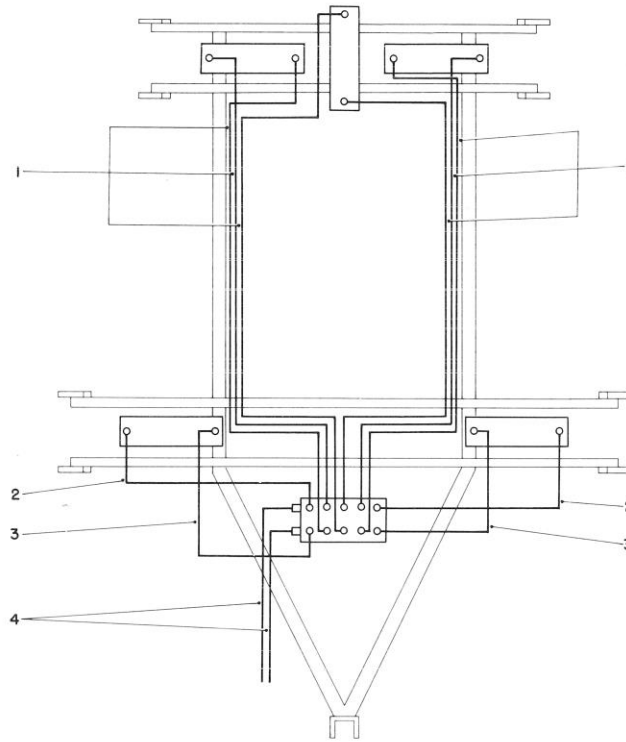


JACK ASSEMBLY NO. 47-3670

Ref. No.	Part No.	Description	No. Used
1	3217-26	Nut — Hex	2
2		Bushing	1
3		Washer — Thrust	2
4		Gear — Bevel	2
5		Washer — Flat	1
6		Bearing — Thrust	1
7	47-5650	Crank — Assembly Side Wind	1
8	47-5720	Pin & Chain Assembly	1

Ref. No.	Part No.	Description	No. Used
9	32121-51	Pin — Roll, Slotted	2
10	47-5690	Cover — Gear Box	1
11	3250-30	Screw — Machine, Pan Hd.	2
*	48-1700	Bevel Gear Kit (Incl. Ref. #2-4 & 9)	1
*	48-1710	Bearing Kit (Incl. Ref. #5 & 6)	1

*Not Illustrated



HYDRAULIC SCHEMATIC

Ref. No.	Part No.	Description	No. Used
1	47-3760	Hydraulic Hose Assembly	6
2	47-3750	Hydraulic Hose Assembly	2

Ref. No.	Part No.	Description	No. Used
3	47-3740	Hydraulic Hose Assembly	2
4	36-2480	Hose — Hydraulic	2