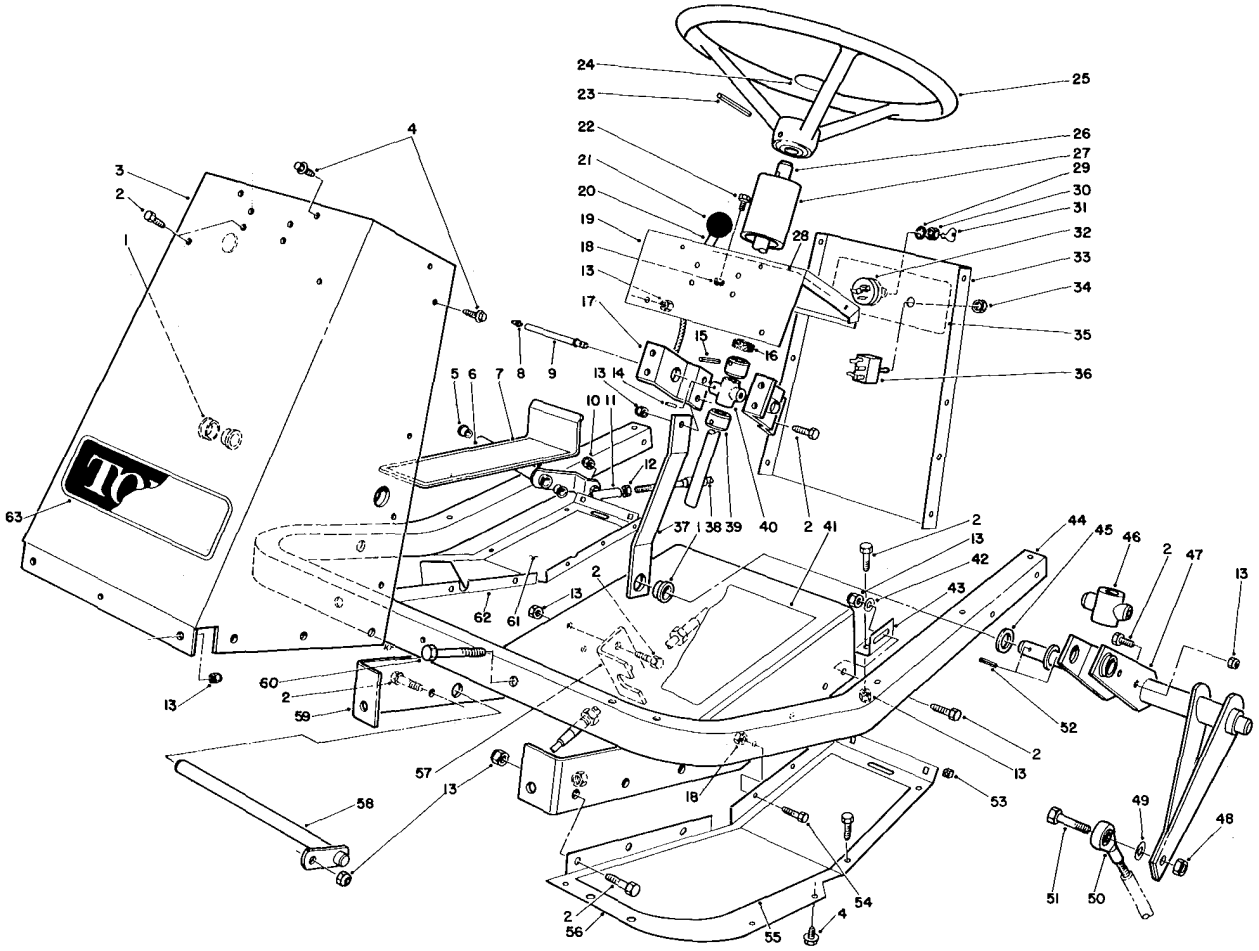
FORM NO. 3313-124

TORO®

MODEL NO. 30754-70001 & UP
MODEL NO. 30544-70001 & UP
MODEL NO. 30753-70001 & UP
MODEL NO. 30768-70001 & UP

PARTS CATALOG

GROUNDSMASTER 117

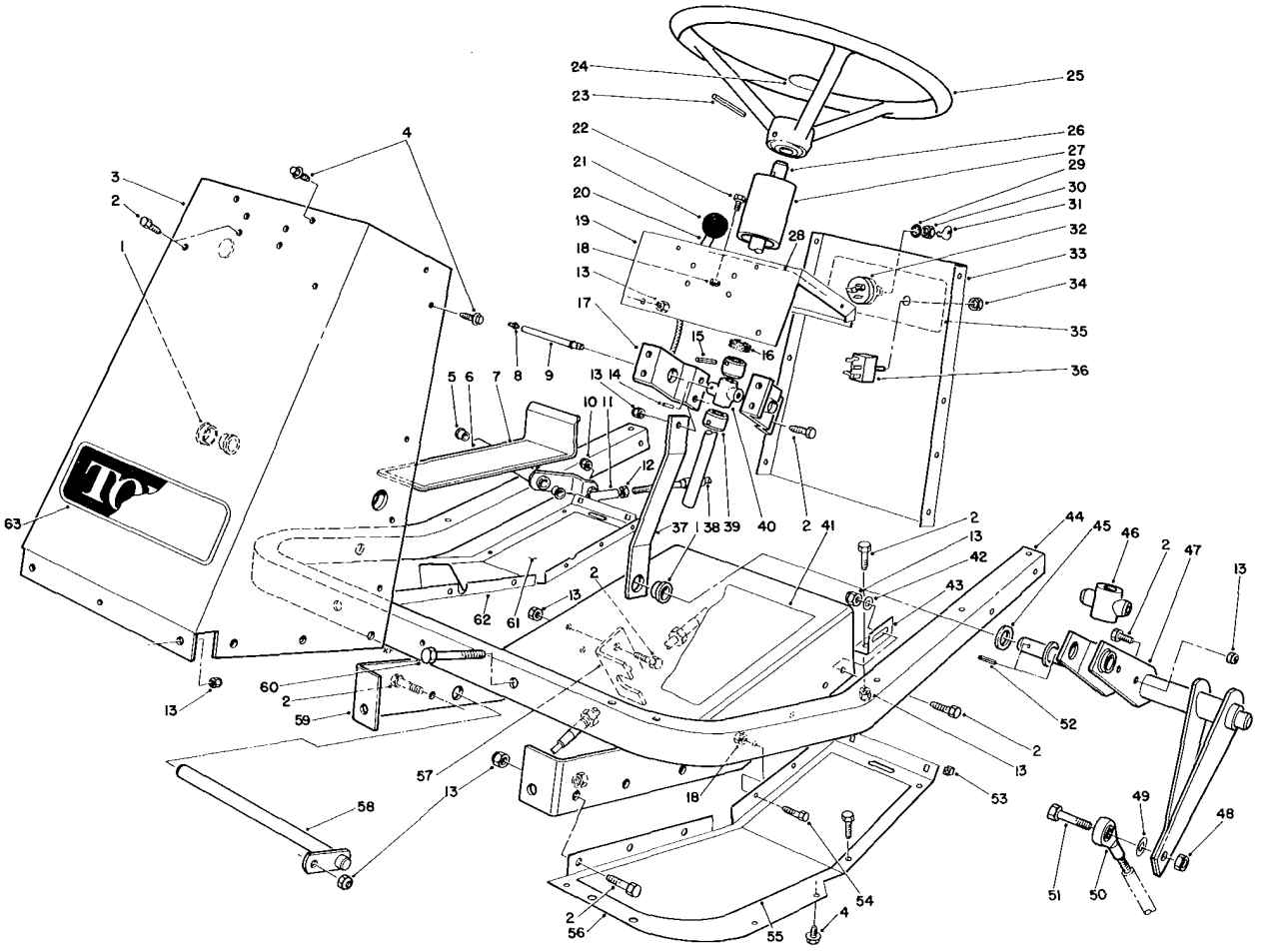


FRAME & STEERING ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	27-9080	Bushing	3
2	322-4	Screw — Hex Hd.	23
3	54-1900	Tower — Front	1
4	46-8560	Screw — Hex Thread Forming	25
5	256-156	Bushing	2
6	59-1580	Traction Pedal (Incl. Ref. #5)	1
7	54-2280	Pad — Pedal Traction	1
8	302-22	Grease — Fitting	1
9	59-1610	Tube — Grease Fitting	1
10	3296-3	Nut — Hex	1
11	2411-34	Ball Joint	1
12	3220-1	Nut — Hex Jam	1
13	3296-29	Nut — Lock	26
14	32121-20	Pin — Roll	1

Ref. No.	Part No.	Description	No. Used
15	32121-31	Pin — Roll	2
16	21-9260	Dust Cover	1
17	54-1950	Bracket — Support Bearing	2
18	3296-42	Nut — Lock	14
19	54-1000	Tower — Top	1
20	54-1450	Control — Throttle, Choke	2
21	233-35	Knob	2
22	321-2	Screw — Hex Head	4
23	32121-10	Pin — Roll	1
24	24-2090	Cap	1
25	25-6260	Wheel — Steering	1
26	54-1420	Shaft — Steering	1
27	47-1980	Cover — Steering Shaft	1
28	54-0860	Decal — Throttle Choke	1

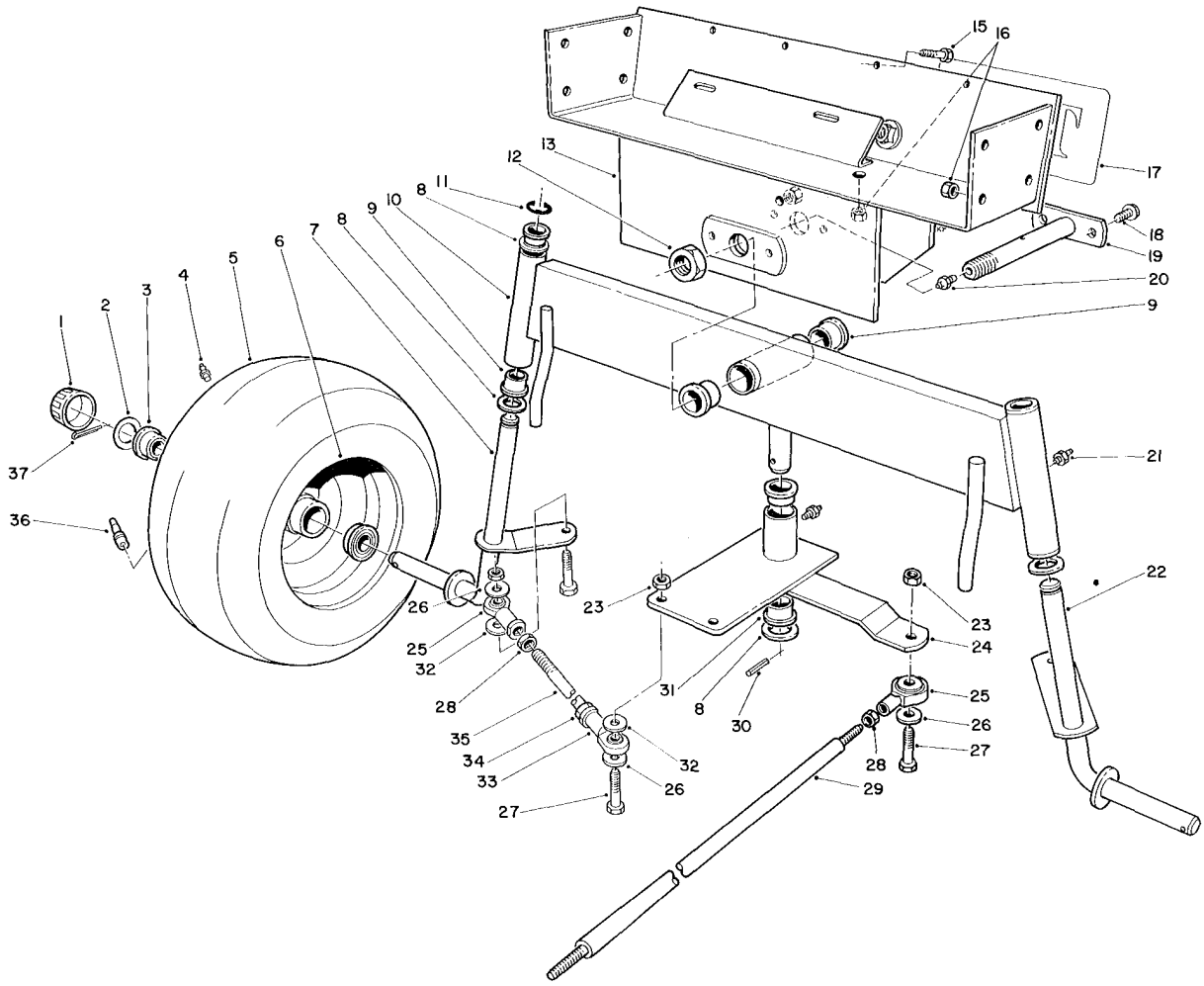
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FRAME & STEERING ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
29		Washer — Lock	1
30		Nut — Hex	1
31	218-412	Key	2
32	27-2360	Switch — Ignition (Incl. Ref. #29-31)	1
33	54-1960	Panel — Tower Rear	1
34	218-500	Nut	1
35	54-0870	Decal — Switch	1
36	37-2610	Switch — Clutch & Brake	1
37	54-1340	Link — Steering	1
38	54-2640	Cable — Control Traction	1
39	28-3940	Collar — Steering Shaft	2
40	60-9050	Bearing — Steering Shaft	1
41	54-0880	Decal — Tunnel	1
42	3256-23	Washer — Flat	2
43	54-1440	Bracket — Tunnel	2
44	60-9140	Frame — Footrest	1
45	3-6498	Washer — Thrust	2

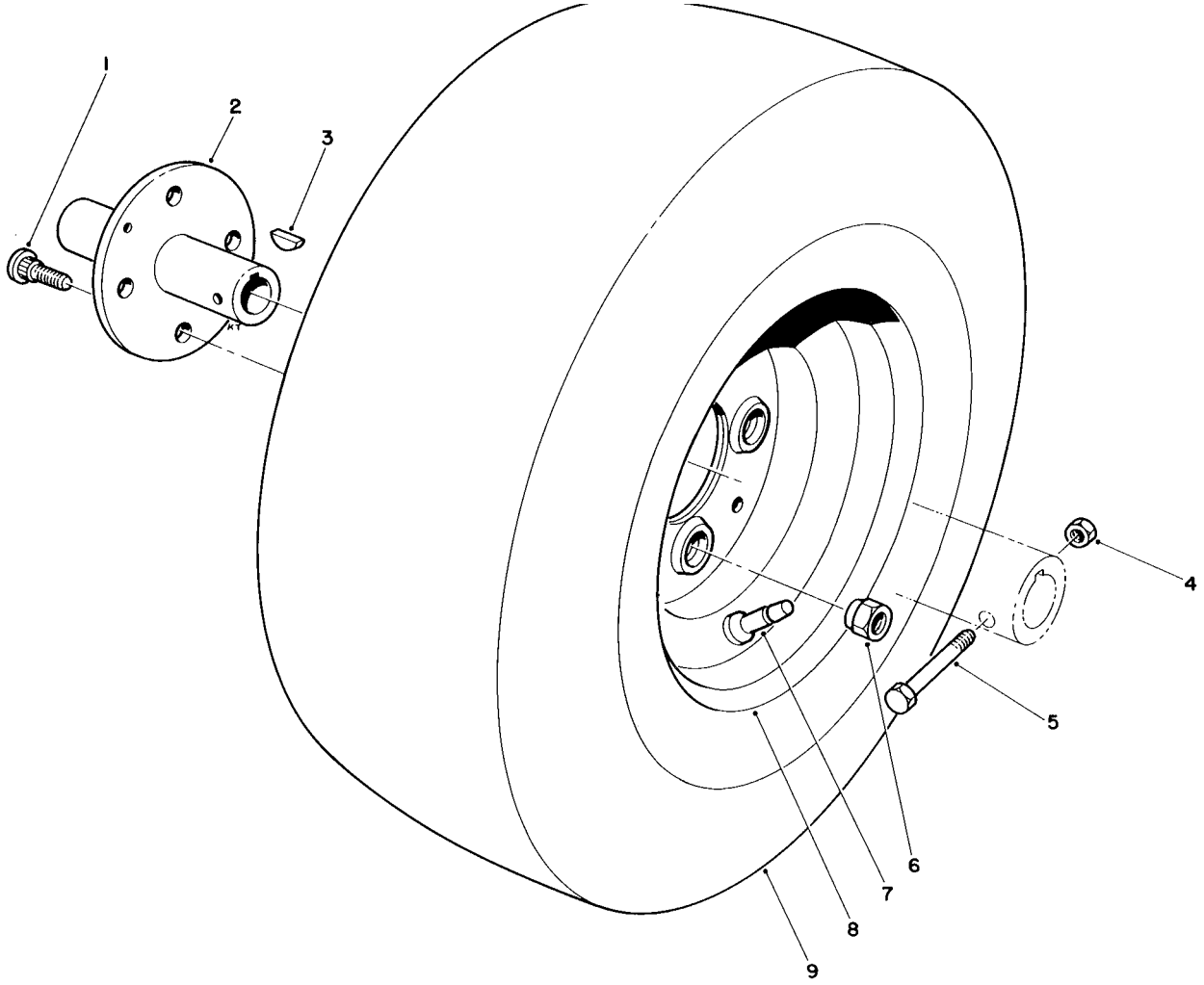
Ref. No.	Part No.	Description	No. Used
46	54-2630	Follower — Steering Shaft	1
47	54-2040	Follower Lever	1
48	32152-9	Nut — Lock	1
49	3256-4	Washer — Flat	1
50	251-304	Rod End	1
51	324-7	Screw — Hex Hd.	1
52	32121-77	Pin — Roll	2
53	32115-5	Nut — Square	4
54	321-4	Screw — Hex Hd.	10
55	54-2260	Pad — Footrest L.H.	1
56	54-1470	Footrest — L.H.	1
57	54-1770	Bracket — Cable Traction	1
58	59-1550	Pedal Shaft	1
59	60-9150	Tunnel	1
60	322-10	Screw — Hex Hd.	2
61	54-2270	Pad — Footrest R.H.	1
62	60-9160	Footrest — R.H.	1
63	43-5120	Decal — Toro	1



FRONT AXLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	28-0060	Hub Cap	2
2	28-2480	Washer — Flat	2
3	251-210	Ball Bearing	4
4	302-5	Grease Fitting	2
5	231-86	Tire	2
6	242-60	Rim	2
7	54-0570	Spindle R.H.	1
8	3-6498	Washer — Thrust	5
9	46-6680	Bushing	6
10	54-0510	Rear Axle (Incl. Ref. #9 & 20)	1
11	32151-48	Ring — Retaining	2
12	3296-41	Nut — Hex	1
13	54-0330	Rear Frame	1
15	321-4	Capscrew	4
16	3296-29	Nut — Hex	8
17	43-5110	Decal — Toro	1
18	32144-15	Screw	2
19	59-1500	Axle — Pivot	1

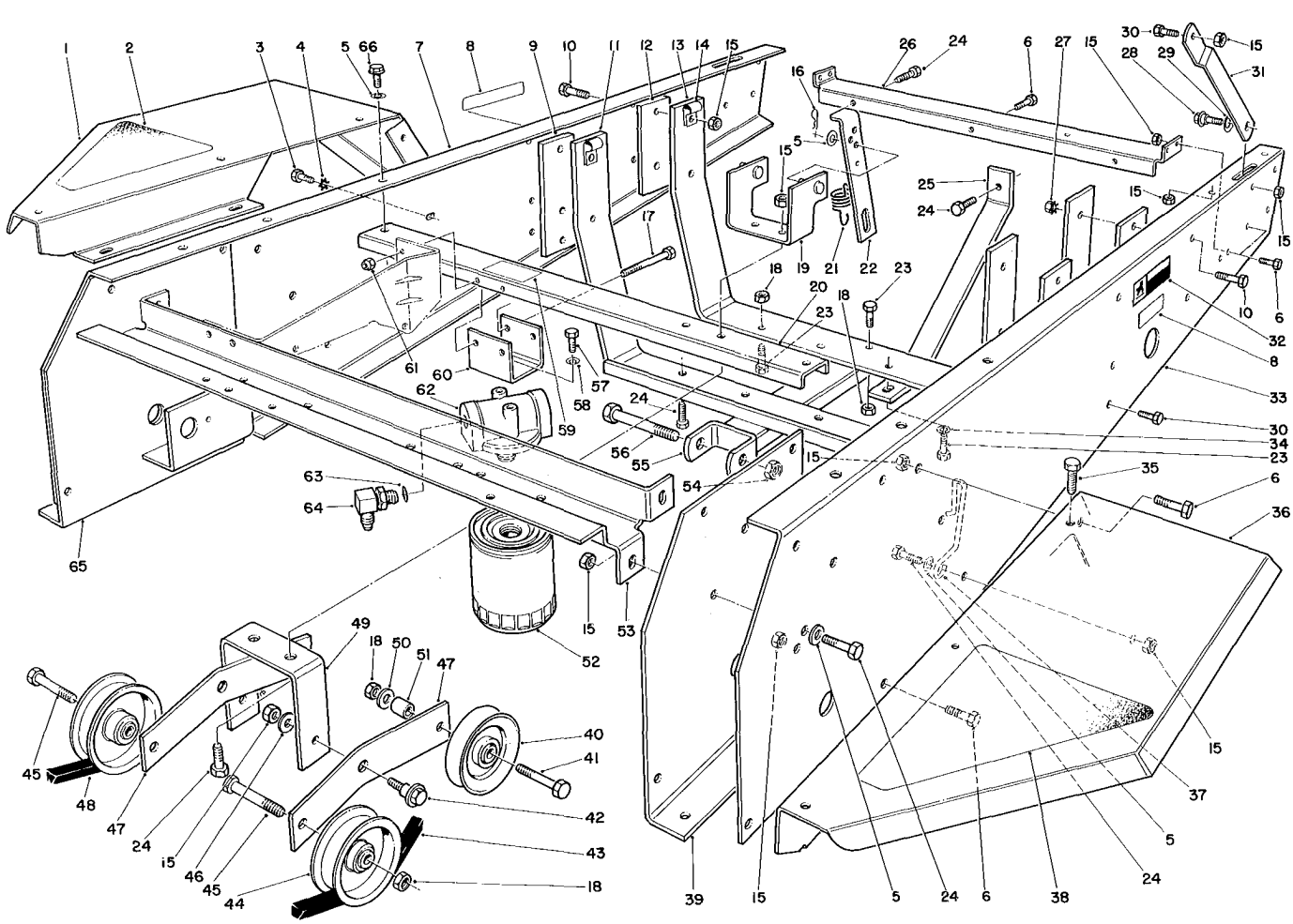
Ref. No.	Part No.	Description	No. Used
20	302-5	Grease Fitting	1
21	302-49	Fitting — Grease	3
22	54-0560	Spindle L.H.	1
23	32152-9	Nut — Hex	5
24	54-0600	Pivot Plate (Incl. Ref. #20 & 30)	1
25	251-305	Rod End	3
26	3256-4	Washer — Flat	5
27	324-7	Screw — Hex	5
28	3220-4	Jam — Nut	3
29	54-1491	Rod — Steering	1
30	32121-45	Pin — Roll	1
31	27-9080	Bushing	2
32	62-4420	Spacer	4
33	251-304	Rod End	2
34	3220-19	Hex Jam Nut L.H.	2
35	57-3100	Tie Rod — Steering	2
36	232-27	Valve Stem w/Cap	2
37	3272-12	Pin — Cotter	2



FRONT WHEEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	242-71	Bolt — Wheel	8
2	54-0140	Hub — Wheel	2
3	3257-10	Key — Woodruff	2
4	3296-29	Nut — Lock	2
5	322-11	Screw — Hex Head	2

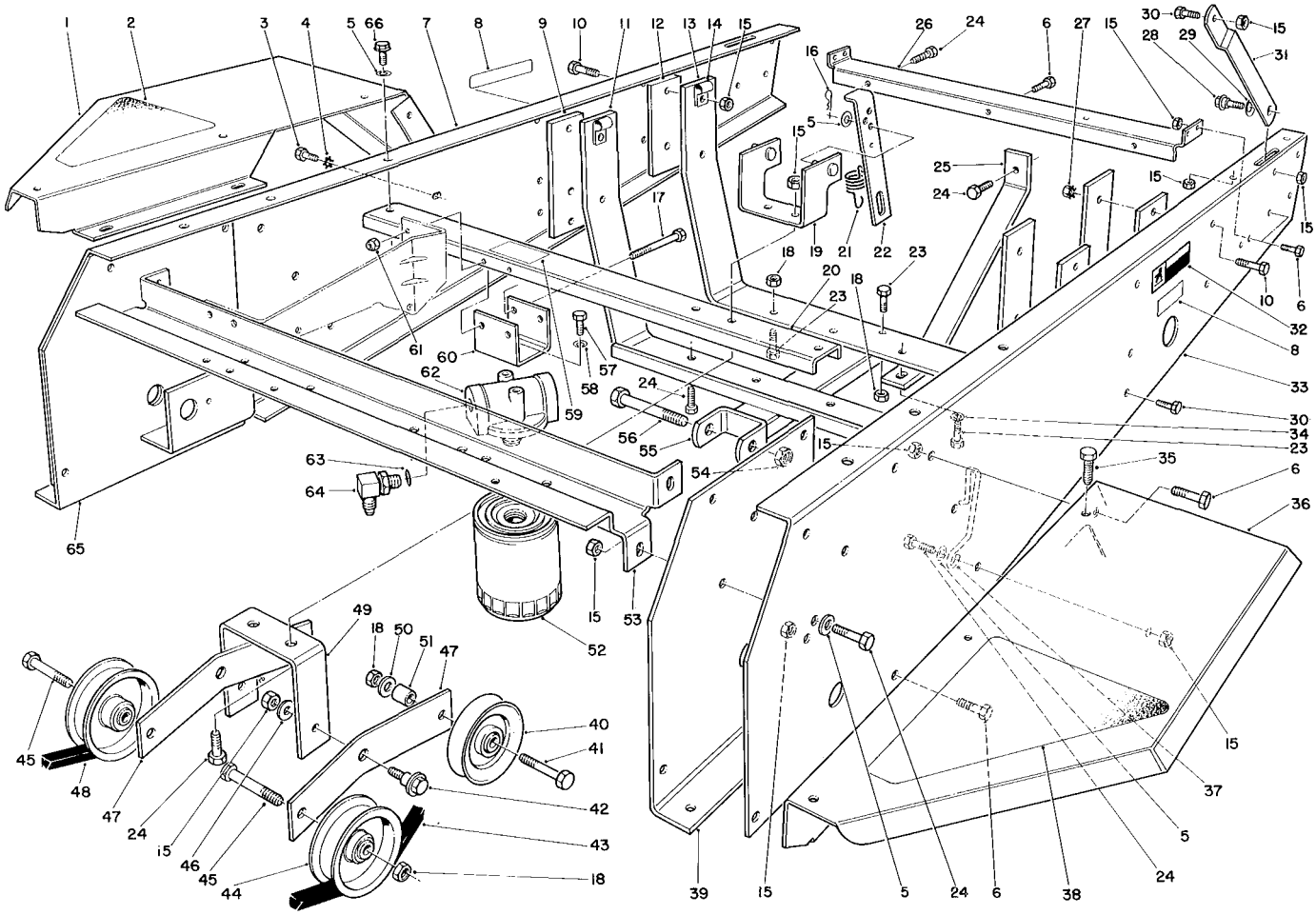
Ref. No.	Part No.	Description	No. Used
6	242-50	Nut — Hex Wheel	8
7	232-27	Valve Stem w/cap	2
8	242-76	Rim	2
9	231-114	Tire	2



FRAME & JACKSHAFT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	54-1930	Fender — R.H.	1
2	54-8990	Pad — Fender R.H.	1
3	322-2	Screw — Hex Head	4
4	3255-8	Washer — Lock External Tooth	4
5	3256-23	Washer — Flat	9
6	322-4	Screw — Hex Head	13
7	54-1910	Channel — Side R.H.	1
8	54-0890	Decal — Caution	2
9	54-1800	Plate — Engine Front	2
10	322-6	Screw — Hex Head	8
11	54-2420	Engine Mount	1
12	54-1810	Plate — Engine Rear	2
13	54-1210	Engine Mount	1
14	2412-41	R-Clamp	2
15	3296-29	Nut — Lock	33
16	3290-250	Hair Pin — Cotter	2
17	321-14	Screw — Hex Head	2
18	3296-44	Nut — Lock	7
19	54-2070	Anchor — Spring	1
20	54-2500	Channel — Middle	1
21	54-1410	Spring — Idler	2
22	54-1130	Link — Idler Anchor	2

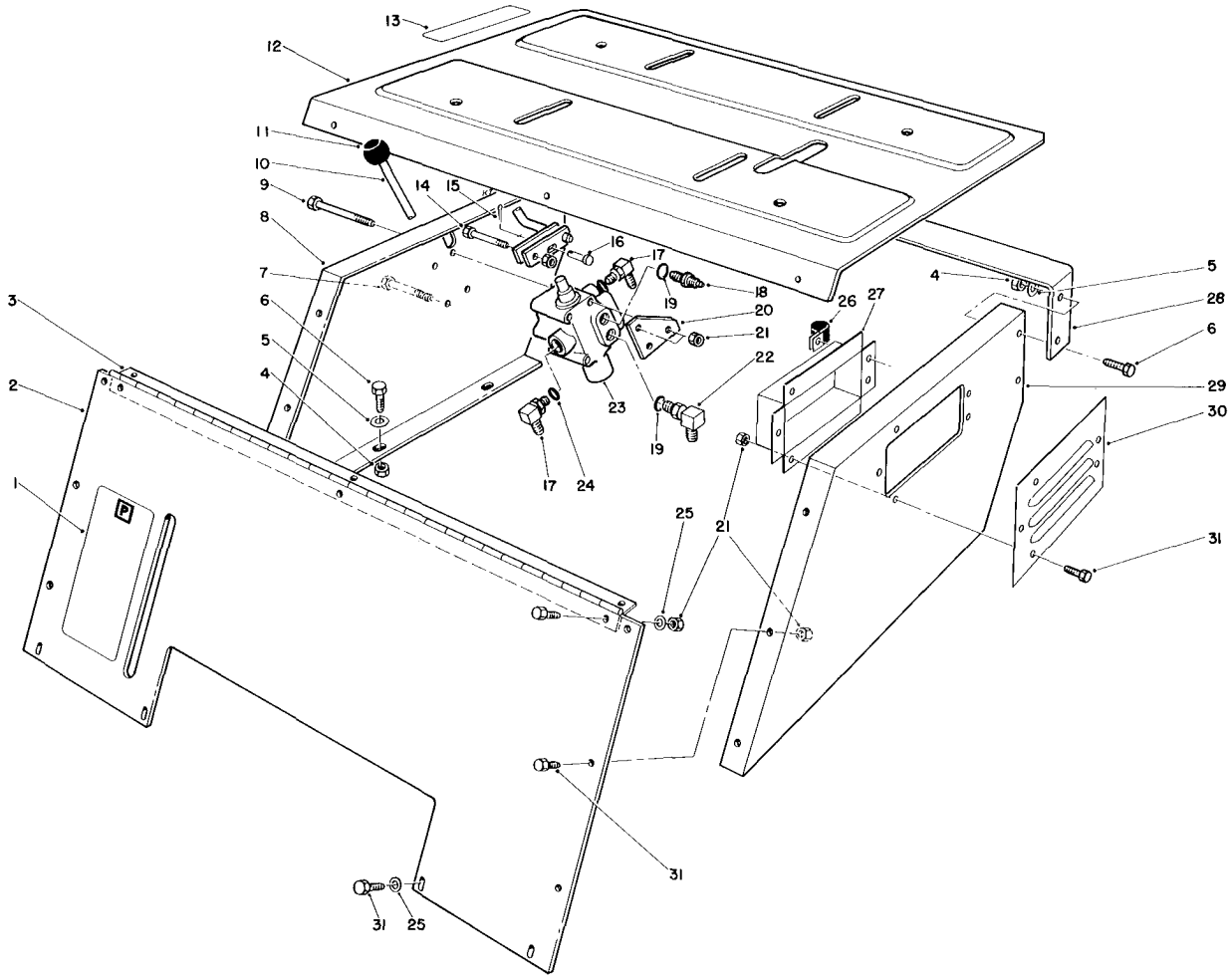
Ref. No.	Part No.	Description	No. Used
23	323-7	Screw — Hex Head	4
24	322-5	Screw — Hex Head	10
25	54-1820	Bar — Tension	1
26	54-1830	Support — Shield	1
27	32149-1	Nut	1
28	27-0410	Bolt — Shoulder	2
29	3290-211	Washer — Spring	2
30	322-3	Screw — Hex Head	4
31	54-1870	Stop — Hood Lower	2
32	54-0910	Decal — Warning	1
33	54-1920	Channel — Side L.H.	1
34	3253-5	Washer — Lock	1
35	46-8560	Hex Thread Form. Screw	6
36	54-1940	Fender — L.H.	1
37	55-4860	Guide — Belt	1
38	54-8980	Pad — Fender L.H.	1
39	54-0460	Axle Stand — L.H.	1
40	62-4530	Idler — V	2
41	323-11	Screw — Hex Head	2
42	19-1470	Bolt — Shoulder	2
43	54-1380	V-Belt Jackshaft	1
44	62-4540	Idler — Flat	2



FRAME & JACKSHAFT ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
45	323-9	Screw — Hex Head	2
46	23-1120	Washer — Flat	2
47	54-9200	Lever — Idler	2
48	54-1390	V-Belt — Traction	1
49	54-1060	Bracket — Idler Mount	1
50	3256-3	Washer — Flat	2
51	37-7250	Spacer	2
52	54-0110	Filter — Oil, Transmission	1
53	54-1010	Channel — Front	1
54	3296-61	Nut — Lock	1
55	54-1730	Cylinder Mount	1

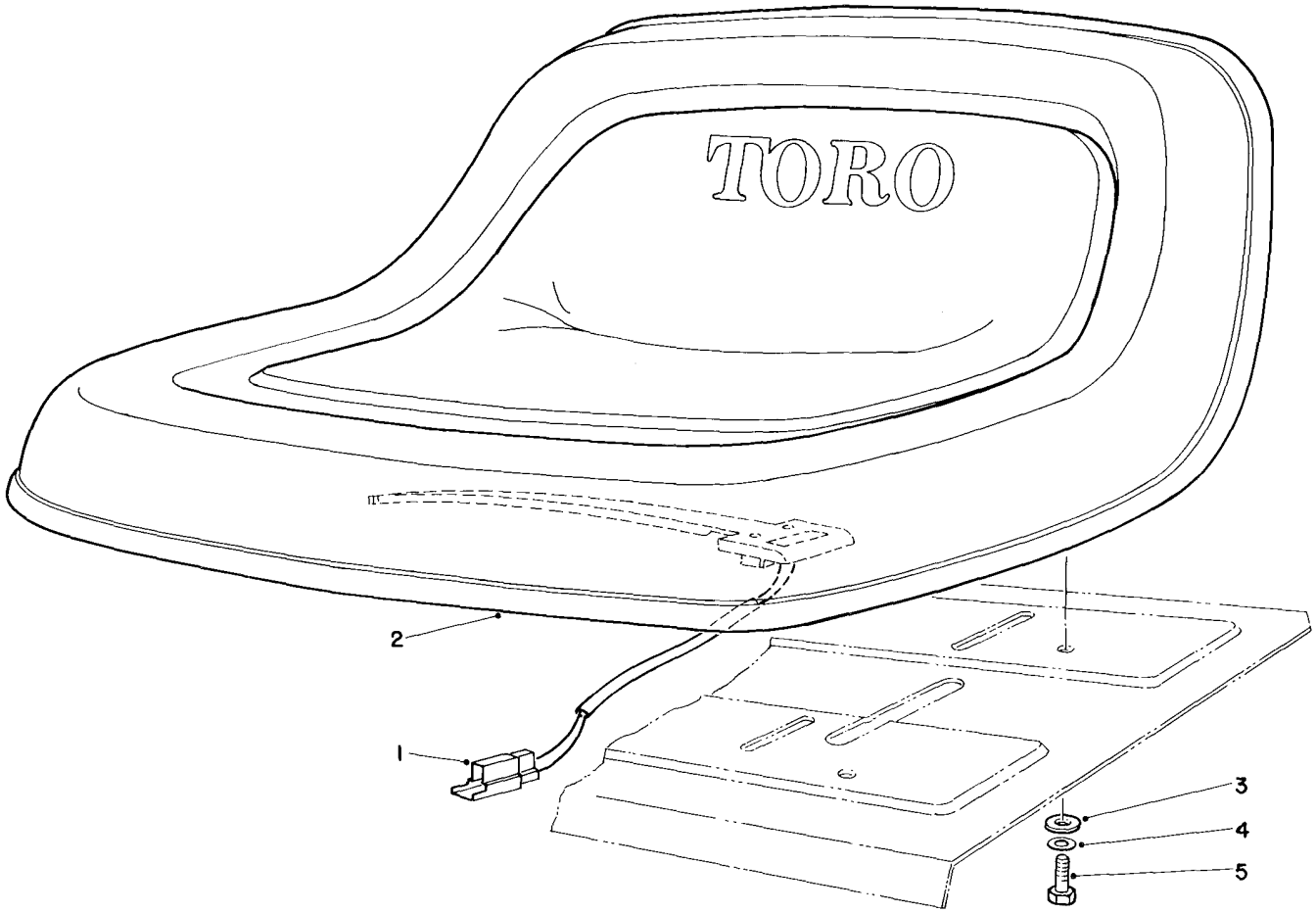
Ref. No.	Part No.	Description	No. Used
56	327-24	Screw — Hex Head	1
57	321-3	Screw — Hex Head	2
58	3253-3	Washer — Lock	2
59	53-4430	Decal — Oil	1
60	54-1120	Bracket — Filter Head	1
61	3296-42	Nut — Lock	2
62	54-0100	Filter Head Assembly	1
63	237-79	"O" Ring	1
64	353-371	Fitting	2
65	54-0450	Axle Stand R.H.	1
66	32144-11	Screw — Thread Forming	2



SEAT SUPPORT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	54-0920	Decal — Parking Brake	1
2	54-1430	Support — Seat, Front	1
3	54-1310	Hinge — Seat	1
4	3296-29	Nut — Lock	8
5	3256-23	Washer — Flat	6
6	322-4	Screw — Hex Head	8
7	321-14	Capscrew	2
8	54-1220	Support — Seat R.H.	1
9	321-23	Screw — Hex Head	2
10	54-2510	Valve Lever	1
11	233-37	Knob	1
12	54-1280	Plate — Seat	1
13	54-0900	Decal — Lift Control	1
14	321-10	Screw — Hex Head	1
15	3272-6	Pin — Cotter	1
16	283-17	Pin — Clevis	1

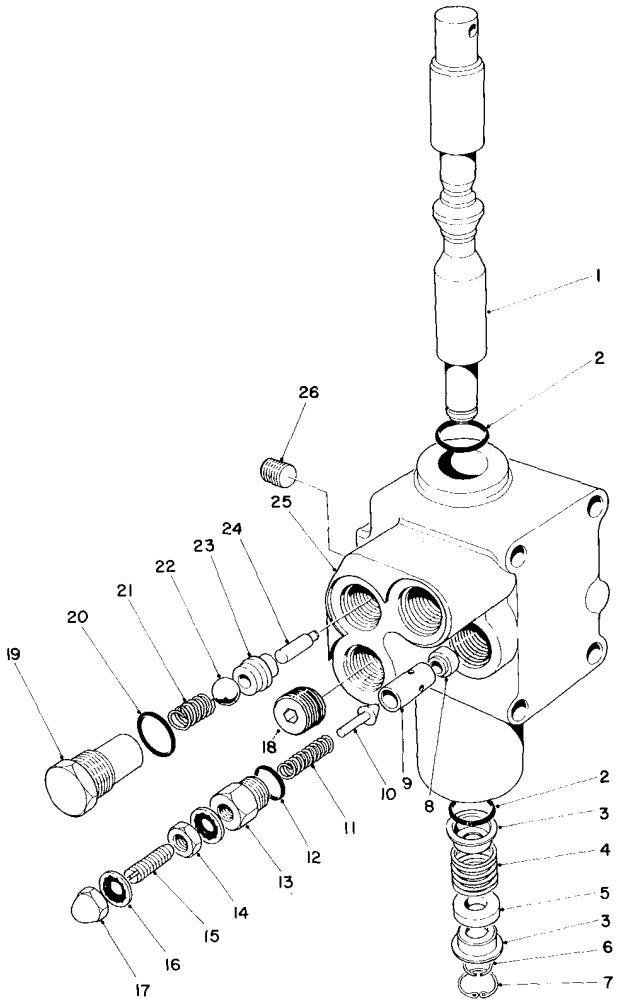
Ref. No.	Part No.	Description	No. Used
17	353-511	Fitting	2
18	353-545	Fitting	1
19	237-78	"O" Ring	2
20	54-2540	Bracket — Lever, Valve	1
21	3296-42	Nut — Lock	19
22	353-375	Fitting — 90°	1
23	54-0090	Valve Assembly	1
24	237-42	"O" Ring	2
25	3256-1	Washer — Flat	10
26	2412-94	Clamp — R	1
27	54-1700	Air Chamber	1
28	54-1550	Support — Hood	1
29	54-1230	Support — Seat L.H.	1
30	54-1790	Cover — Chamber, Air	1
31	321-4	Screw — Hex Head	5



SEAT ASSEMBLY NO. 55-8690 (Optional)

Ref. No.	Part No.	Description	No. Used
1	38-1420	Switch — Seat	1
2		Seat	1
3	3256-23	Washer	4

Ref. No.	Part No.	Description	No. Used
4	3253-4	Lockwasher	4
5	322-3	Capscrew	4

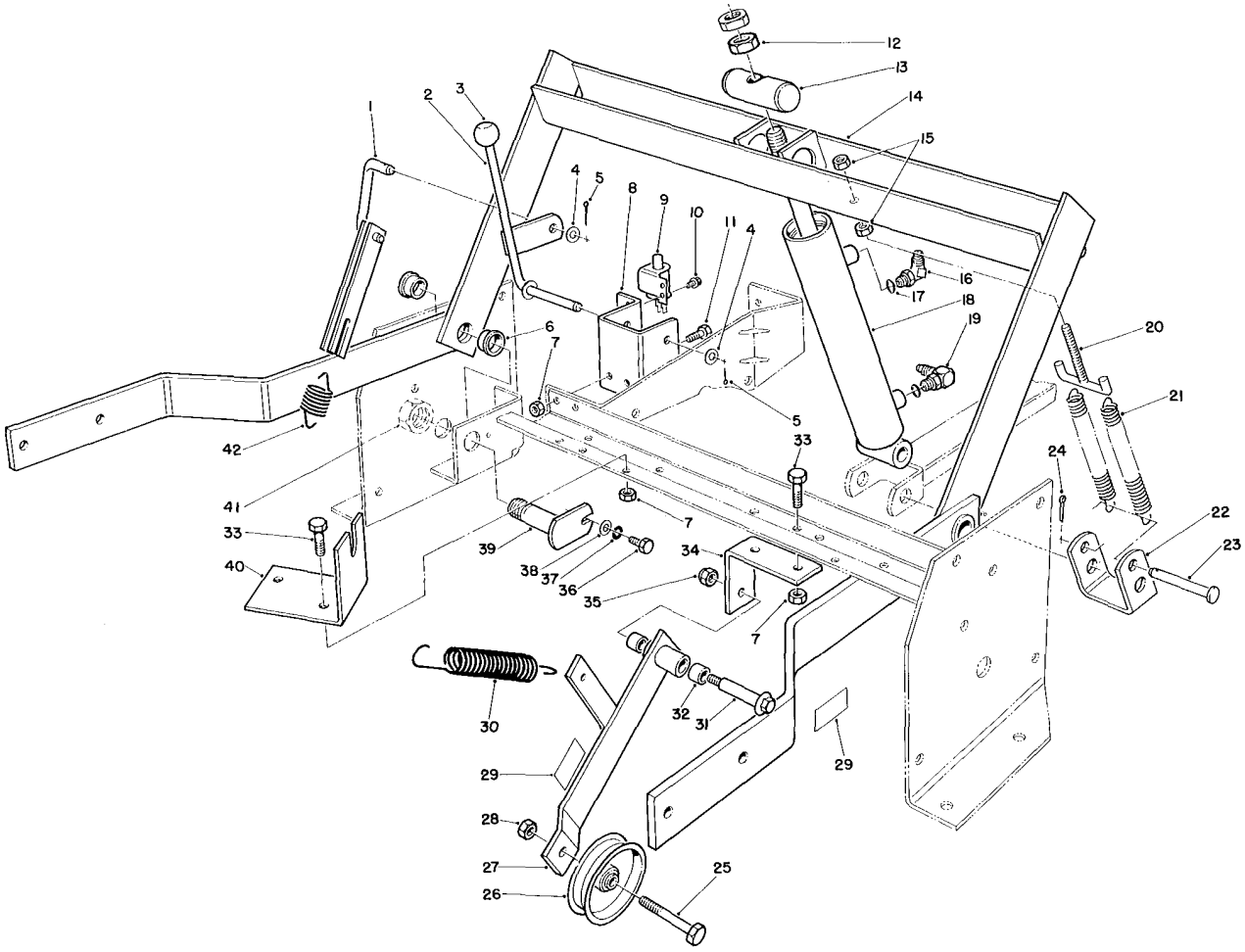


VALVE ASSEMBLY NO. 54-0090

Ref. No.	Part No.	Description	No. Used
1	54-0260	Spool	1
2	22-8500	"O" Ring	2
3	22-8380	Retainer — Spring	2
4	22-8410	Spring	1
5	27-5200	Spacer	1
6	22-8480	Snap Ring — Spool	1
7	22-8490	Snap Ring	1
8	55-3640	Seat Relief	1
9		Guide	1
10		Plunger	1
11		Spring	1
12		"O" Ring	1
13		Cap — PV Adjustment	1
14		Jam Nut	1

Ref. No.	Part No.	Description	No. Used
15		Set Screw	1
16		Stat O-Seal	1
17		Nut — Acorn	1
18	28-1120	Plug	1
19	22-8330	Plug	1
20	237-42	"O" Ring	2
21	22-8340	Spring	1
22	22-8350	Ball	1
23	22-8370	Seat — Check Valve	1
24	22-8360	Pin — Cam	1
25		Body	1
26	55-3650	Plug	1
*	55-3630	Adjustable Relief Valve (Incl. Ref. #9-17)	1

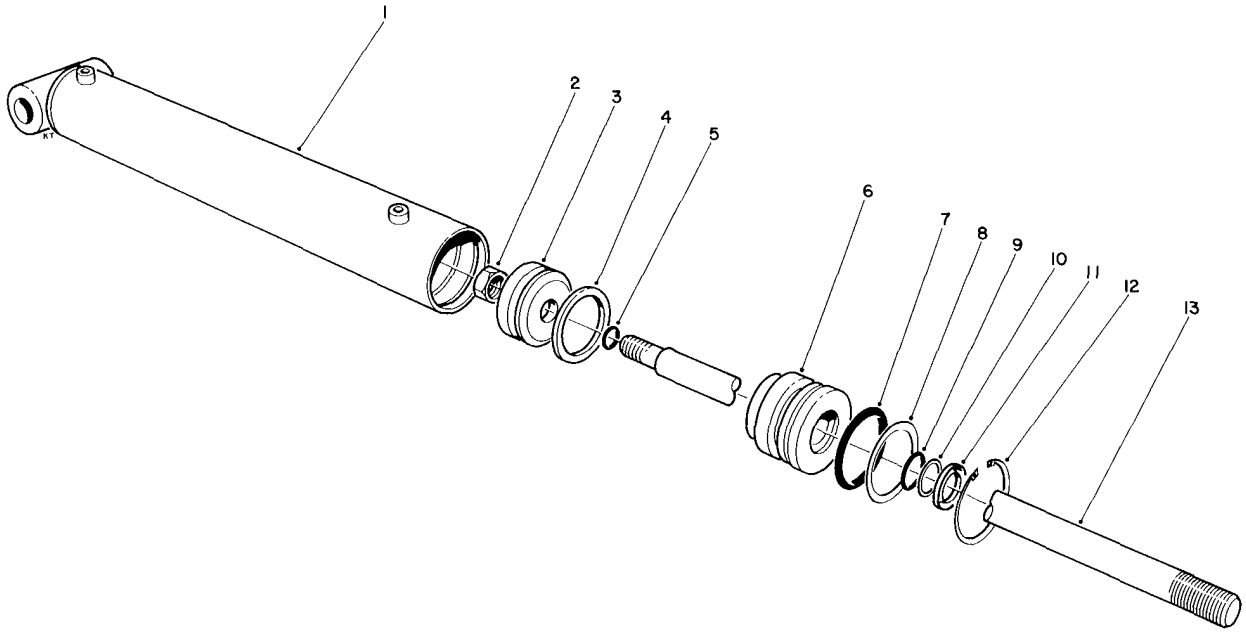
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PARKING BRAKE & LIFT FRAME ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	54-2120	Parking Brake Link	1
2	54-2110	Brake Lever	1
3	233-37	Knob	1
4	3256-3	Washer — Flat	2
5	3272-10	Pin — Cotter	2
6	27-9080	Bushing	4
7	3296-29	Nut — Hex	6
8	54-1270	Bracket — Parking Brake	1
9	55-7120	Switch — Brake	1
10	32144-1	Screw — Hex Thread Forming	2
11	322-5	Screw — Hex Head	2
12	3220-6	Nut — Jam	2
13	54-2000	Pin — Pivot Cylinder	1
14	54-0380	Lift Frame (Incl. Ref. #6)	1
15	3217-6	Nut	2
16	353-431	Fitting 45°	1
17	237-78	"O" Ring	2
18	54-0150	Cylinder — Lift	1
19	353-375	Fitting 90°	1
20	56-3320	T-Hook	1
21	56-2760	Spring Extension	2

Ref. No.	Part No.	Description	No. Used
22	56-3370	Bracket — Spring	1
23	283-55	Clevis Pin	1
24	3290-355	Pin — Hair	1
25	323-10	Screw — Hex Head	1
26	62-4520	Pulley — Idler	1
27	12-1109	Idler Lever (Incl. Ref. #23 & 26)	1
28	3296-44	Nut — Lock	1
29	55-4300	Decal — Warning	3
30	54-1170	Spring — Extension Idler	1
31	27-6230	Bolt — Shoulder	1
32	256-154	Bushing	2
33	322-4	Screw — Hex Hd.	4
34	55-7310	Bracket — Idler Mounting	1
35	3296-6	Nut — Lock	1
36	321-2	Screw — Hex Head	2
37	3253-3	Washer — Lock	2
38	3256-1	Washer — Flat	2
39	54-2100	Pivot Pin	2
40	56-6920	Bracket — Cable Extension	1
41	3296-15	Nut Lock	2
42	54-0960	Spring — Parking Brake	1

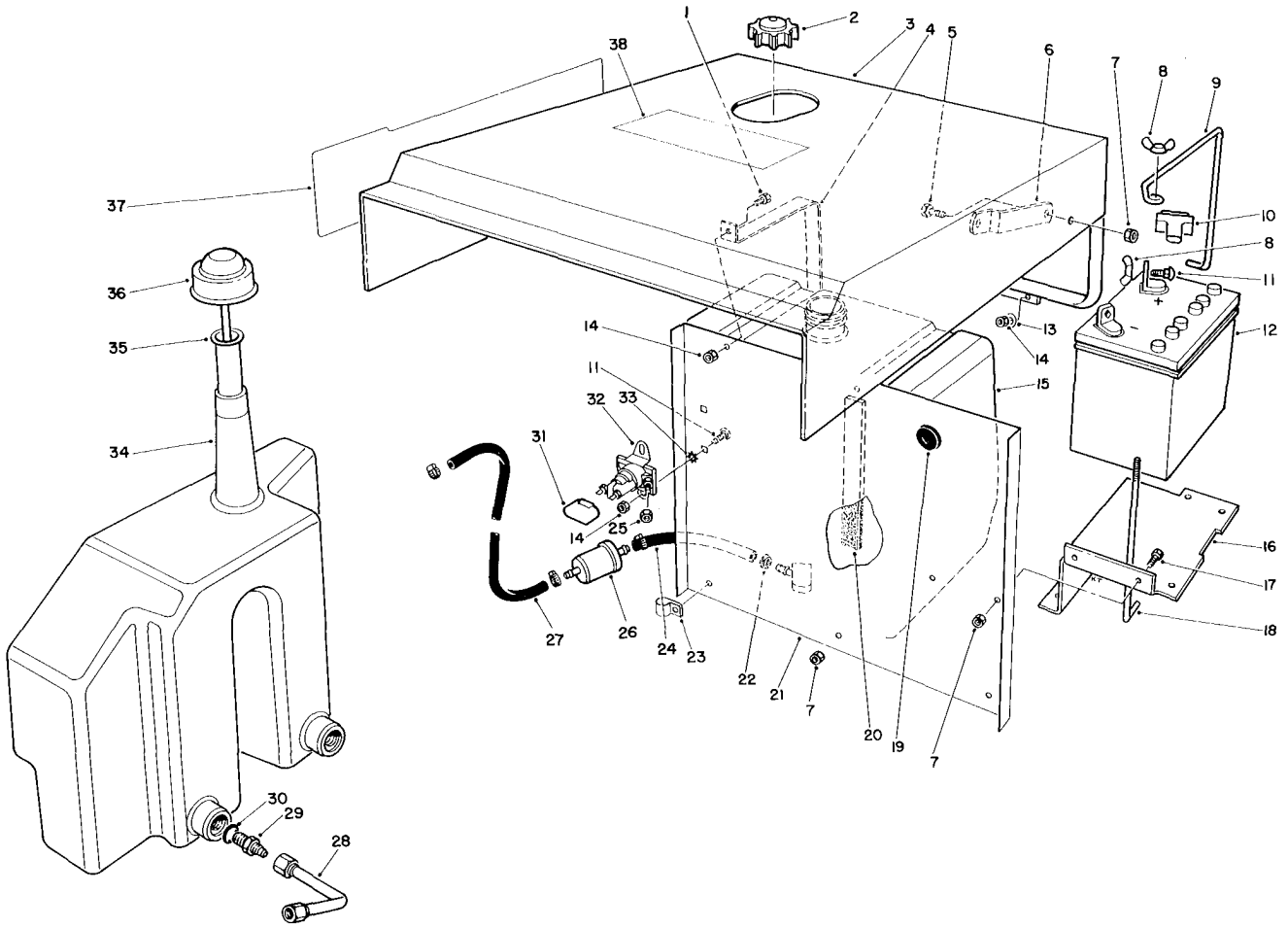


HYDRAULIC LIFT CYLINDER NO. 54-0150

Ref. No.	Part No.	Description	No. Used
1	54-0270	Barrel	1
2	32152-10	Nut — Lock	1
3	54-0300	Piston	1
4	353-888	Uniring	1
5	43-5170	"O" Ring	1
6	54-0310	Head	1
7	43-5160	"O" Ring	1
8	43-5190	Washer — Backup	1

Ref. No.	Part No.	Description	No. Used
9	353-792	"O" Ring	1
10	353-797	Washer — Backup	1
11	353-796	Dust Seal	1
12	43-5220	Ring — Retaining	1
13	54-0280	Shaft	1
*	54-0290	Seal Repair Kit (Incl. Ref. #4-5 & 7-11)	1

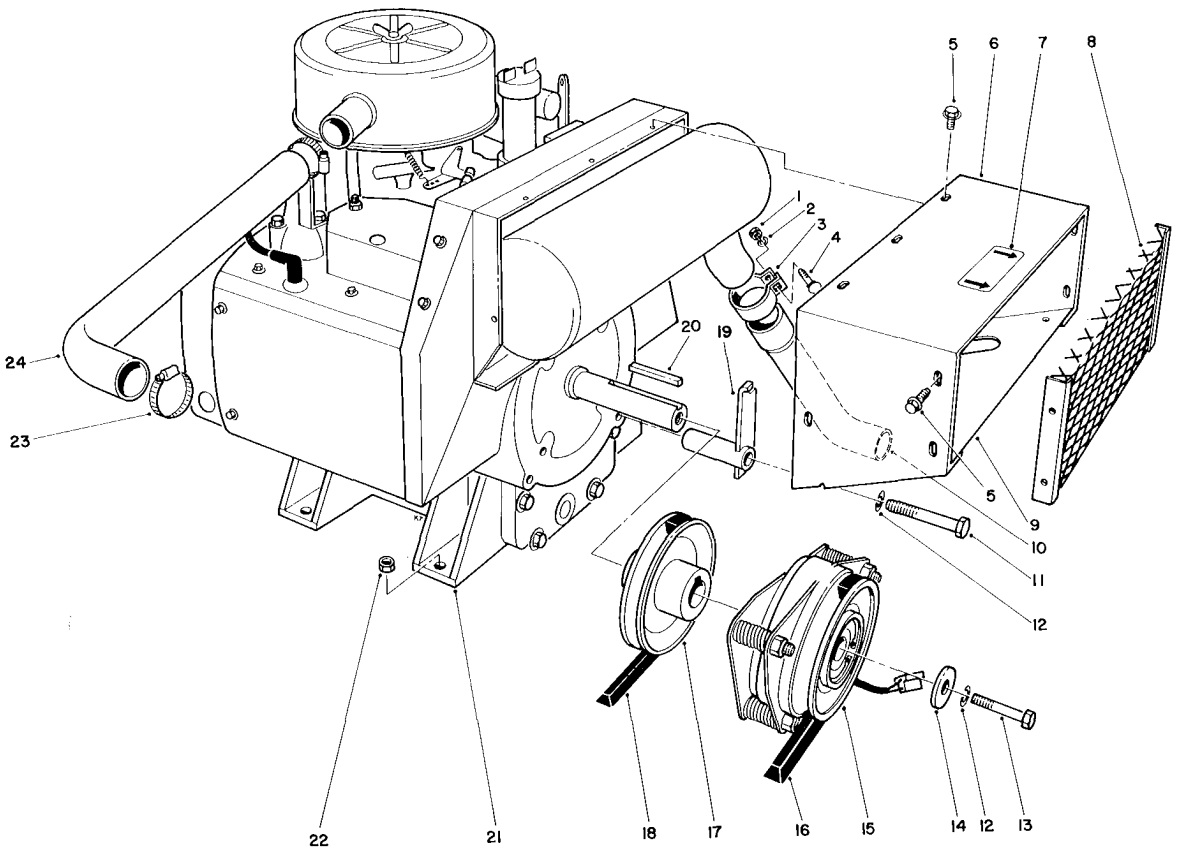
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HOOD—GAS & HYDRAULIC TANK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	321-2	Capscrew	2
2	55-3570	Cap — Fuel	1
3	54-2400	Hood	1
4	54-1880	Strap — Tank Fuel	2
5	322-3	Capscrew	2
6	54-1860	Stop — Hood Upper	2
7	3296-29	Nut — Hex	9
8	32103-22	Nut — Wing	3
9	54-1260	Clamp — Battery	1
10	28-8080	Boot — Terminal	1
11	3229-1	Bolt — Carriage	4
12	49-7030	Battery	1
13	3256-1	Washer	4
14	3296-42	Nut — Hex	8
15	62-4040	Tank — Fuel	1
16	54-1850	Support — Battery	1
17	322-4	Screw — Hex Head	2
18	12-5950	Rod — Support Battery	1
19	237-100	Grommet	1
20	54-1890	Sponge Tank	2

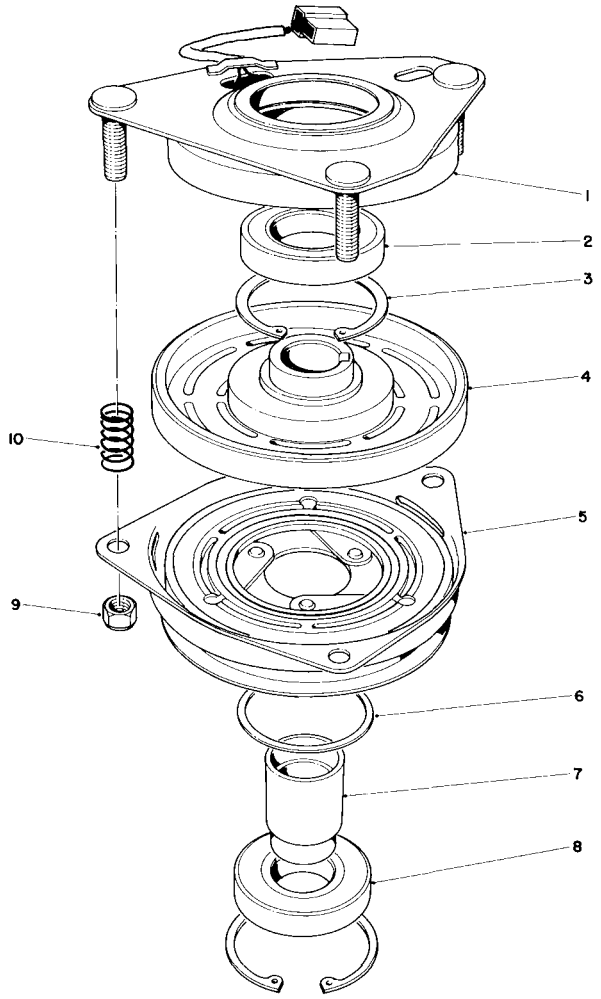
Ref. No.	Part No.	Description	No. Used
21	54-1840	Shield — Heat	1
22	2412-36	Clamp — Hose	4
23	2412-41	R-Clamp	1
24	36-8930	Hose — Fuel	1
25	3219-14	Nut	1
26	38-8000	Filter — Fuel	1
27	21-2480	Hose — Fuel	1
28	54-2310	Tube Assembly — Transmission to Reservoir	1
29	353-385	Fitting	2
30	237-42	"O" Ring	2
31	54-2300	Cover — Solenoid	1
32	44-9380	Solenoid	1
33	3255-7	Washer — External Tooth	4
34	54-2470	Reservoir — Oil	1
35	29-0590	Screen	1
36	36-4950	Cap — Oil	1
37	54-7870	Decal — Groundsmaster 117	2
38	27-7310	Decal — Refueling	1



ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3217-6	Nut	1
2	3253-4	Washer — Lock	1
3	55-8660	Clamp (Incl. Ref. #1-2 & 4)	1
4	3230-3	Carriage Bolt	1
5	46-8560	Screw — Hex Thread Forming	11
6	54-2480	Engine Duct	1
7	28-1530	Decal — Hot	1
8	54-0950	Screen	1
9	54-0990	Duct — Bottom	1
10	54-2290	Pipe — Exhaust	1
11	324-11	Screw — Hex Head	1
12	3253-6	Washer — Lock	2

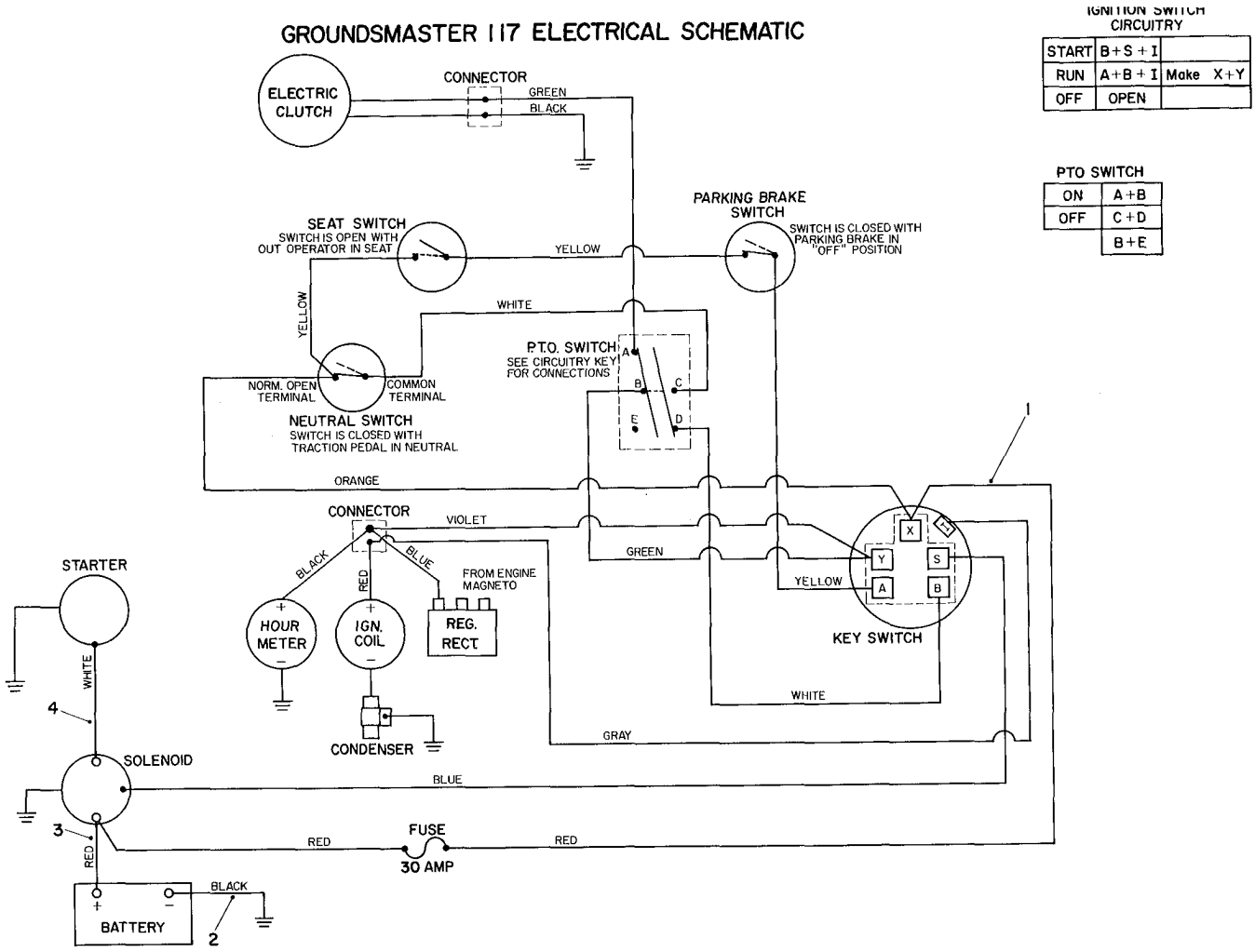
Ref. No.	Part No.	Description	No. Used
13	3212-24	Screw — Hex Head Locking	1
14	44-8160	Washer — Flat	1
15	54-0220	Clutch — Brake Assembly	1
16	54-1380	V-Belt — Jackshaft	1
17	54-2330	Pulley — Engine	1
18	54-1390	V-Belt — Traction	1
19	54-2160	Anchor Bracket	1
20	5-0930	Key — Square	1
21	54-0060	Engine	1
22	3296-44	Nut — Hex	3
23	2412-3	Clamp — Hose	2
24	54-1780	Hose — Air Cleaner	1



CLUTCH ASSEMBLY NO. 54-0220

Ref. No.	Part No.	Description	No. Used
1	54-0230	Field Assy. (Incl. Ref. #2 & 3)	1
2	251-292	Bearing — Field	1
3	44-8310	Retaining Ring	2
4	44-8360	Field Coil, Rotor & Bearing Assembly (Incl. Ref. #1)	1
5	44-8370	Armature & Pulley Assembly (Incl. Ref. #3, 6, 7 & 8)	1

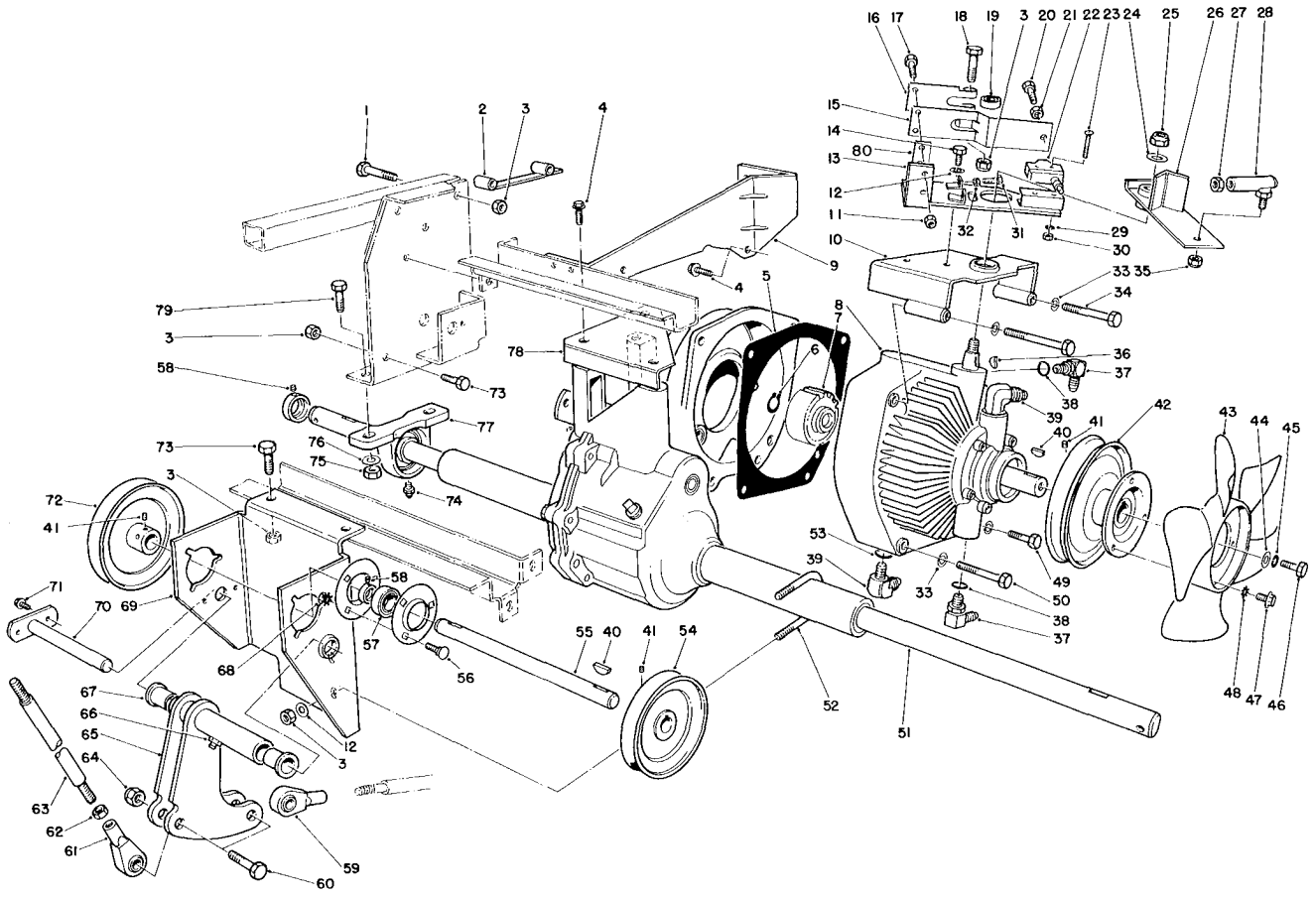
Ref. No.	Part No.	Description	No. Used
6	44-8330	Spacer — Pulley Bearing	1
7	44-8340	Bearing Collar	1
8	251-291	Bearing — Pulley	1
9	3296-6	Locknut	3
10	44-8320	Spring	3



ELECTRICAL SCHEMATIC

Ref. No.	Part No.	Description	No. Used
1	54-2560	Wire Harness	1
2	28-3892	Wire Assembly (Ground)	1

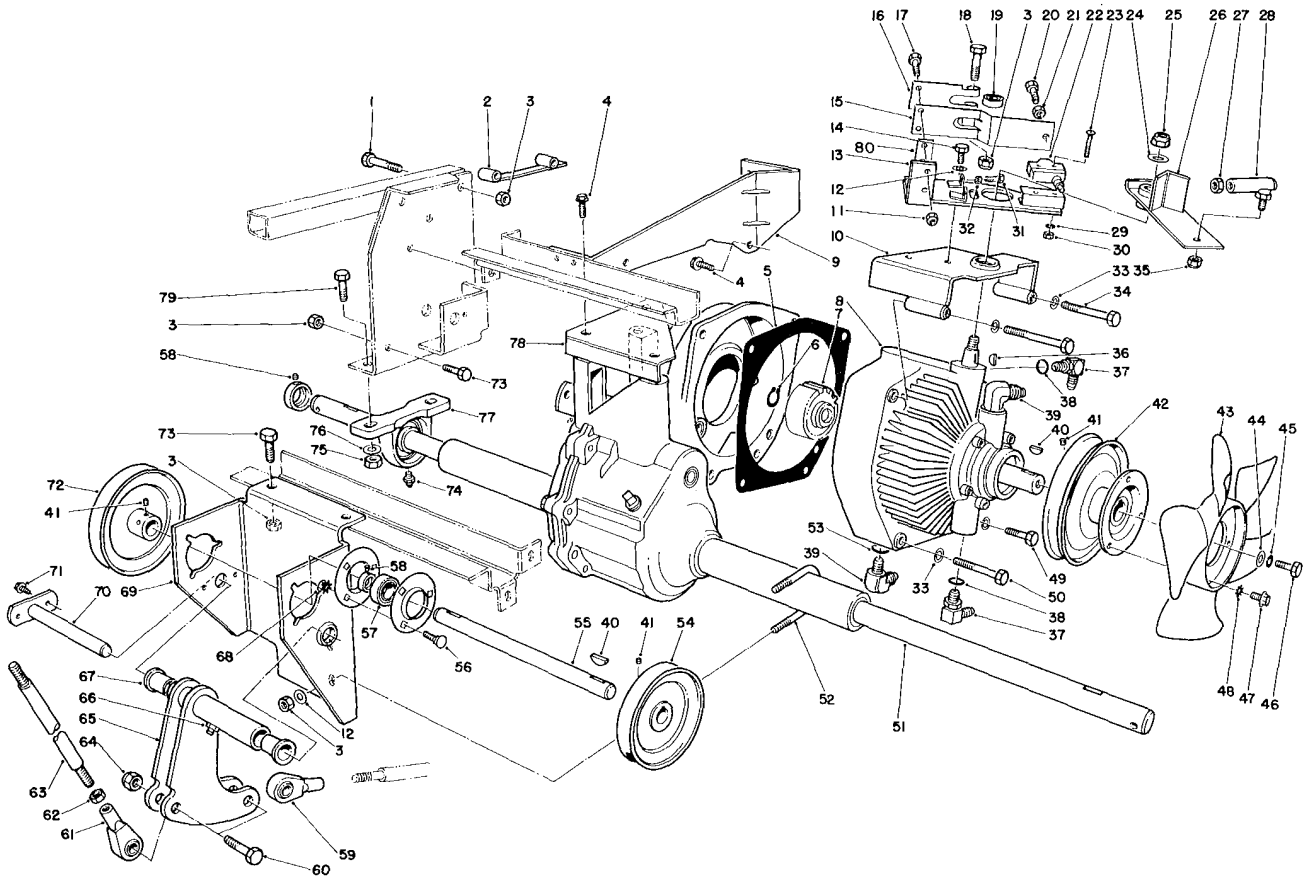
Ref. No.	Part No.	Description	No. Used
3	54-2030	Wire Assembly	1
4	54-2031	Wire Assembly	1



TRANSMISSION & DIFFERENTIAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	322-11	Capscrew	4
2	55-7250	Spacer	2
3	3296-29	Nut — Lock	13
4	3234-1	Screw	5
5	55-4320	Gasket	1
6	32120-64	Snap Ring	1
7	54-0320	Gear	1
8	54-0080	Transmission — Hydrostatic	1
9	59-1620	Bracket — Transaxle	1
10	54-2550	Traction Control	1
11	3296-42	Nut — Lock	2
12	3256-23	Washer — Flat	4
13	56-6910	Traction Plate	1
14	322-3	Screw — Hex Hd.	2
15	29-6170	Spring — Extension	1
16	29-6150	Spring — Leaf	1
17	321-4	Screw — Hex Hd.	2
18	322-7	Screw — Hex Hd.	1
19	251-259	Bearing	1
20	3210-5	Screw — Hex Hd.	1
21	3220-2	Nut — Hex Jam	1
22	29-6161	Switch	1

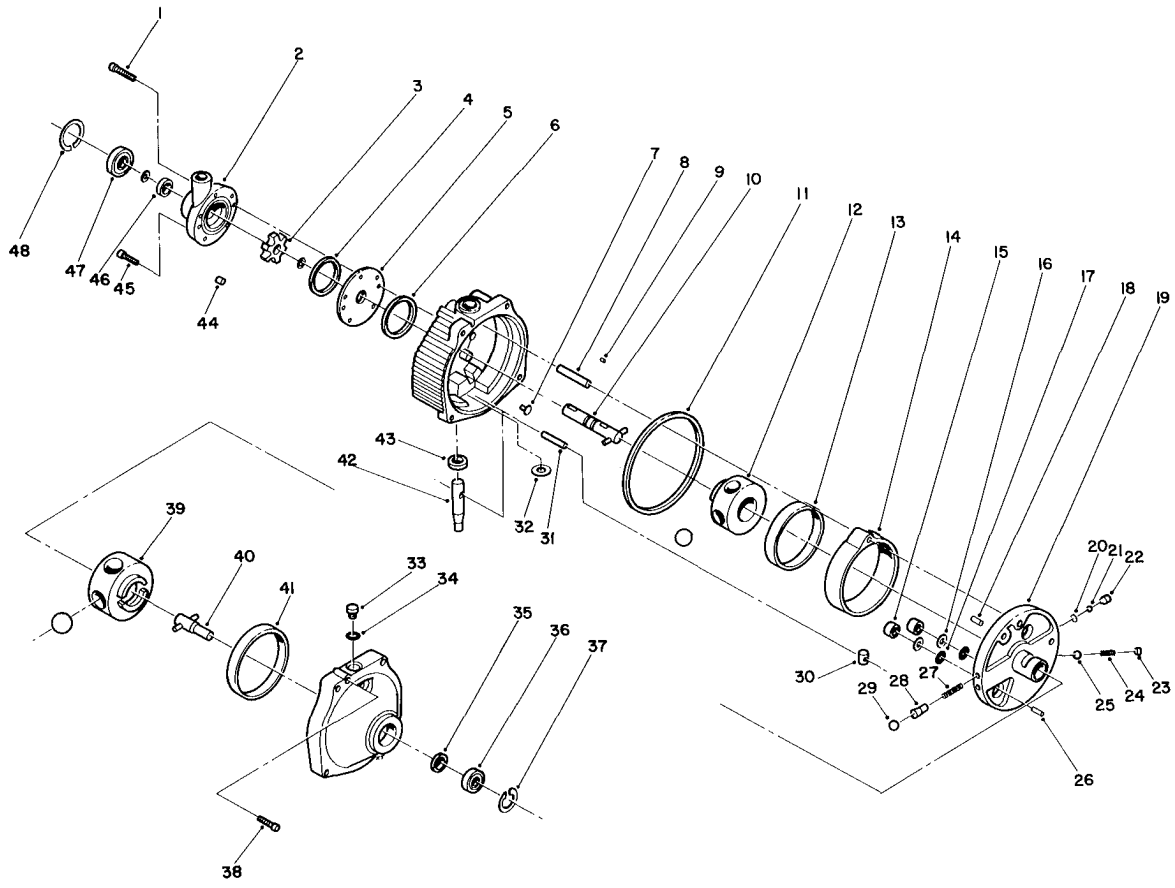
Ref. No.	Part No.	Description	No. Used
23	3249-11	Screw — Rd. Hd.	2
24	3256-26	Washer — Flat	1
25	3296-23	Nut — Lock	1
26	56-6930	Traction Lever	1
27	3220-1	Nut — Hex Jam	1
28	2411-34	Ball Joint	1
29	3254-9	Washer — Lock	2
30	3217-16	Nut — Hex Brass	2
31	322-6	Capscrew — Hex Hd.	2
32	3218-2	Nut — Jam	2
33	3253-5	Washer — Lock	4
34	323-23	Screw — Hex	2
35	3296-3	Nut — Lock	1
36	3257-24	Key — Woodruff	1
37	353-511	Fittig — 90°	2
38	237-79	"O" Ring	2
39	353-370	Fitting	2
40	3257-5	Key — Woodruff	3
41	3241-1	Screw — Set	6
42	54-0930	Pulley — Transmission	1
43	54-0240	Fan	1
44	3256-55	Washer	1



TRANSMISSION & DIFFERENTIAL ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
45	3253-3	Washer — Lock	1
46	321-2	Screw — Hex Hd.	1
47	3291-1	Screw — Rd. Hd.	3
48	3255-5	Washer — Lock External Tooth	3
49	323-13	Screw — Hex Hd.	1
50	323-16	Screw — Hex Hd.	1
51	54-0070	Gear Reduction & Differential Assembly	1
52	54-8970	Bolt — U	1
53	237-80	"O" Ring	2
54	54-2380	Pulley — Jackshaft Input	1
55	54-1600	Jackshaft	1
56	3230-1	Bolt — Carriage	6
57	251-301	Bearing w/Collar & Flange	2
58	3245-35	Screw — Set	4
59	251-304	Rod — End	1
60	324-7	Capscrew	2
61	251-305	Rod End	1
62	3220-4	Nut — Hex Jam	2

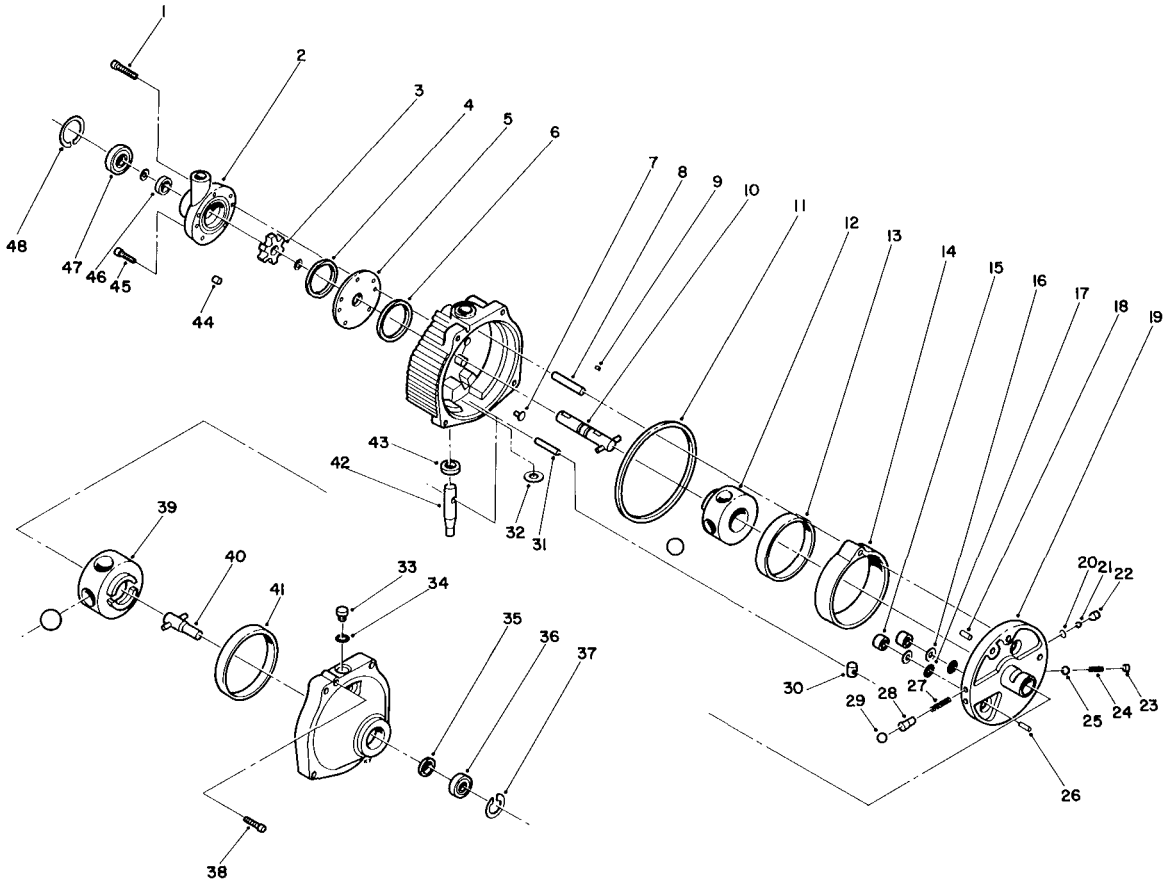
Ref. No.	Part No.	Description	No. Used
63	54-1490	Rod — Steering	1
64	32152-9	Nut — Lock	2
65	54-2060	Bellcrank (Incl. Ref. #66 & 67)	1
66	302-49	Fitting — Grease	1
67	46-6680	Bushing — Flanged	2
68	32149-1	Nut — Lock	6
69	60-9130	Bracket — Jackshaft	1
70	59-1470	Shaft — Bellcrank	1
71	46-8560	Screw — Hex Thread Forming	2
72	54-2390	Pulley — Jackshaft, Output	1
73	322-4	Screw — Hex Hd.	6
74	302-2	Fitting — Grease	2
75	3296-44	Nut — Lock	4
76	3256-3	Washer — Flat	4
77	251-302	Bearing — Pillow Block w/Collar	2
78	60-8990	Plate — Transaxle	1
79	323-8	Screw — Hex Hd.	4
80	51-3150	Shim — Spring Arm	1



HYDROSTATIC TRANSMISSION

Ref. No.	Part No.	Description	No. Used
1	56-2800	Capscrew — Socket Head	1
2	56-2830	Charge Pump (Incl. Ref. #1)	1
3	56-3120	Carrier	1
4	56-2850	Square Cut Seal Ring	1
5	56-2860	Pump Plate	1
6	56-2870	Square Cut Seal Ring	1
7	56-2880	Button	2
8	56-2890	Pivot Pin Dowel	1
9	56-2900	Drive Pin	1
10	56-2910	Input Shaft Sub-Assembly	1
11	56-2920	Square Cut Seal Ring	1
12	56-2930	Pump Rotor — Ball Sub-Assembly	1
13		Pump Race	1
14	56-2940	Cam Ring Assy. (Incl. Ref. #13)	1
15	56-2950	Piston	2
16	56-2960	Backup Ring	2
17	56-2970	"O" Ring	2
18	56-2980	Coil Pin	1
19	56-2990	Pintle Assembly (Incl. Ref. #15-18, 20, 22-26, 27-29)	1
20	56-3000	Retaining Ring	2

Ref. No.	Part No.	Description	No. Used
21	56-3010	Grade 200 Ball	2
22	56-3020	Check Valve Body	2
23	56-3050	Relief Valve Plug	1
24	56-3040	Relief Valve Spring	1
25	56-3030	Grade 200 Ball	1
26	56-3060	Dowel Pin	1
27	56-3180	Acc. Valve Spring	2
28	56-3200	Acc. Valve Body	2
29	56-3210	Grade 200 Ball	2
30	56-3170	Cam Ring Insert	1
31		Dowel	1
32		Control Shaft Washer	1
33	56-3250	"O" Ring Plug Sub-Assembly (Incl. Ref. #34)	1
34	56-3260	"O" Ring — Tube Fitting	1
35	56-3270	Oil Seal	1
36	56-3280	Ball Bearing (Output)	1
37	56-3290	Retaining Ring	1
38	56-3300	Socket Head Capscrew	2
39	56-3220	Motor Rotor — Ball Sub-Assy.	1
40	56-3230	Output Shaft Sub-Assembly	1
41	56-3240	Motor Race	1



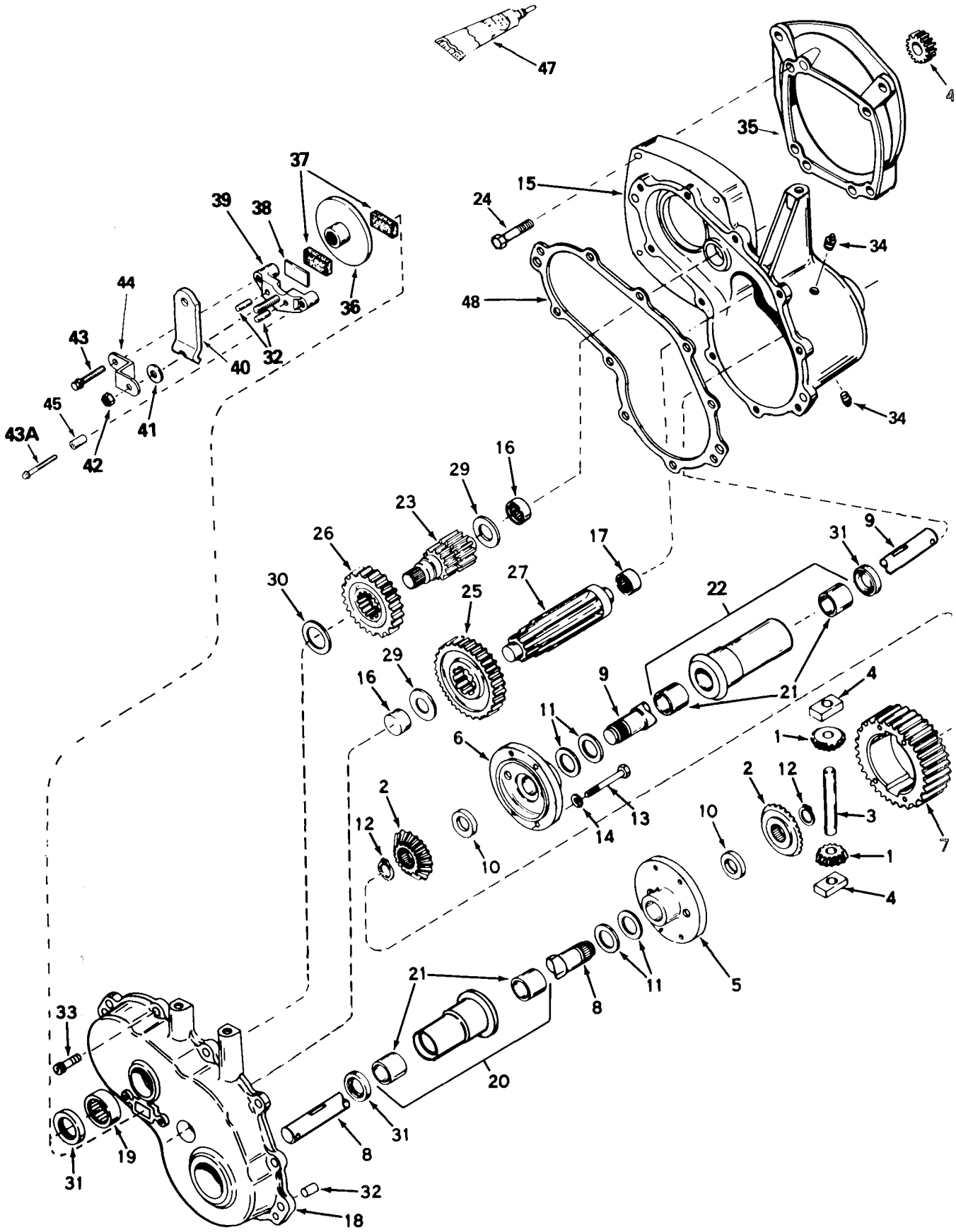
HYDROSTATIC TRANSMISSION (Continued)

Ref. No.	Part No.	Description	No. Used
42	56-3140	Control Shaft Kit Incl. Ref. #31 & 32)	1
43	56-3130	Oil Seal	1
44	56-3110	Roll	6
45	56-3100	Capscrew — Socket Head	4
46	56-2820	Oil Seal	1

Ref. No.	Part No.	Description	No. Used
47	56-2810	Ball Bearing (Input)	1
48	56-3080	Retaining Ring	1
*	56-3310	Overhaul Sealing Kit (Incl. Ref. #4, 6, 11, 16, 17, 34, 35, 43 & 46)	1

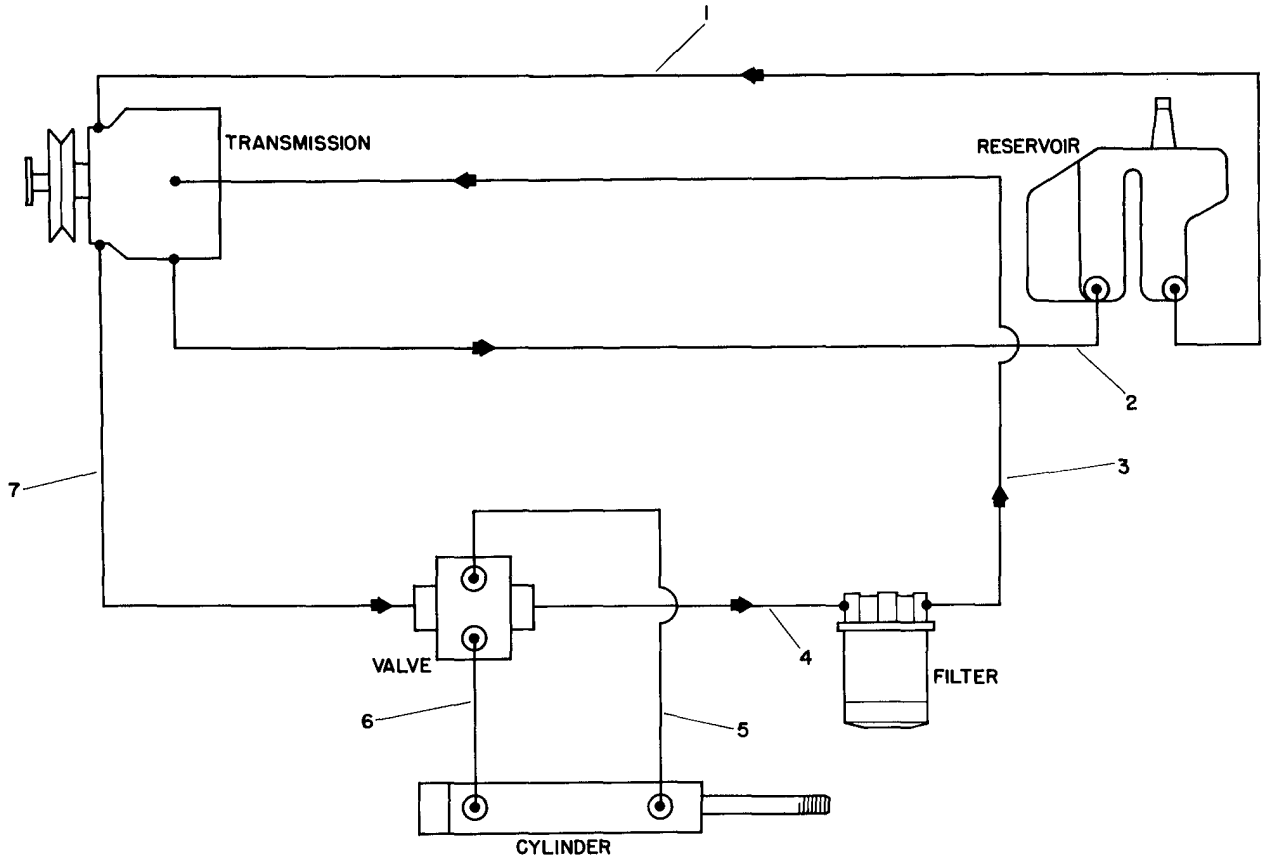
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GEAR REDUCTION & DIFFERENTIAL NO. 1310-001A



GEAR REDUCTION & DIFFERENTIAL NO. 1310-001A

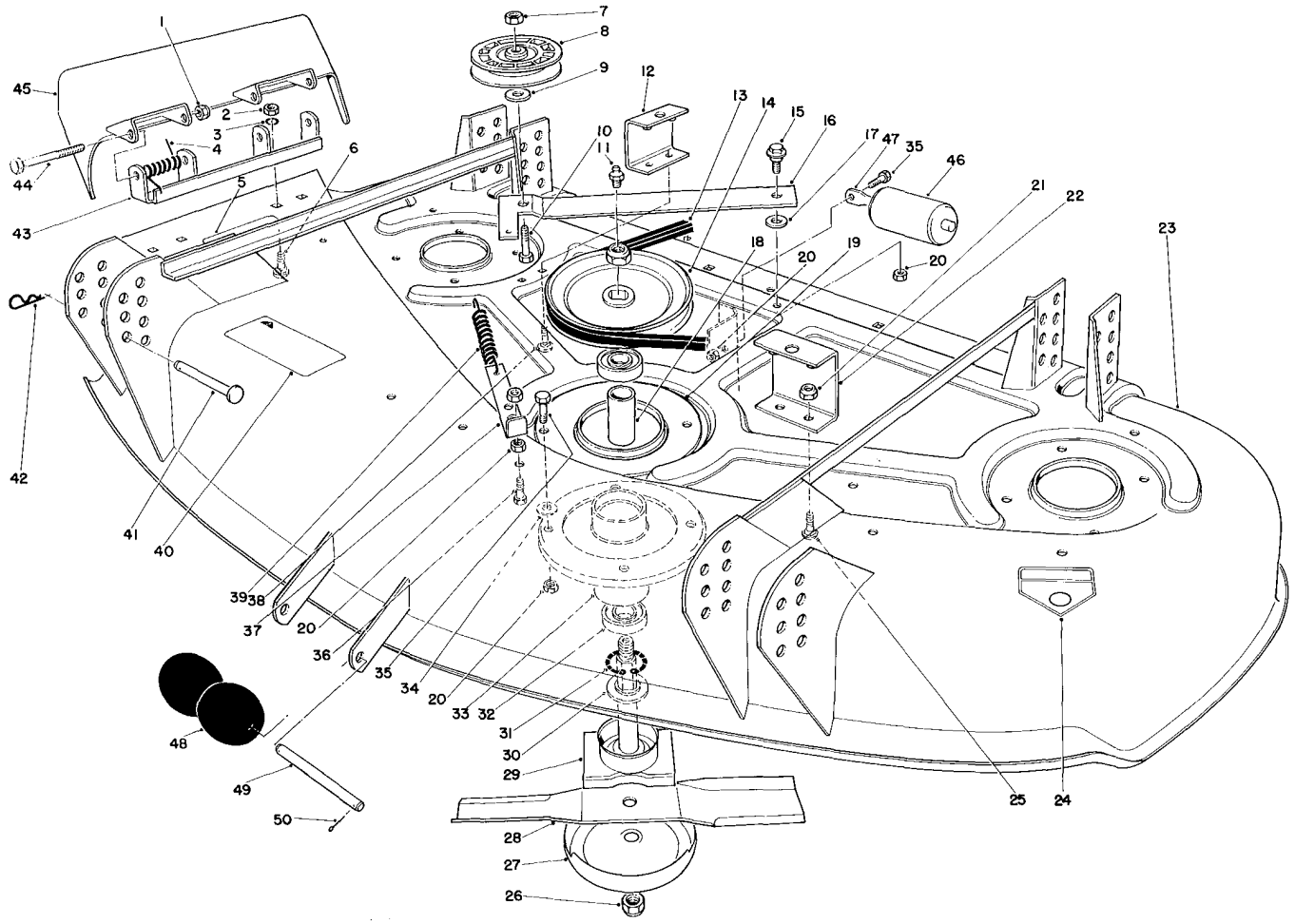
Ref. No.	Part No.	Description	No. Used
1	778197	Pinion — Bevel	1
2	778198	Gear — Bevel	1
3	786019	Pin — Drive	1
4	786027	Block — Drive	1
5	774028A	Carrier — Differential	1
6	774029A	Carrier — Differential	1
7	778033A	Gear — Ring	1
8	774607	Axle (16-5/8" long)	1
9	774608	Axle (21-57/64" long)	1
10	780107	Washer	1
11	780042	Washer — Thrust	1
12	792018	Ring — Snap	1
13	792020	Screw — Hex Hd.	1
14	792006	Lockwasher	1
15	770080	Case Assembly (Incl. Ref. #16 & 17)	1
16	780013	Bearing — Needle	1
17	780088	Bearing — Needle	1
18	772085	Cover Assembly (Incl. Ref. #16 & 19)	1
19	780089	Bearing — Needle	1
20	782041A	Housing & Bushing Assembly (6-5/8" long) (Incl. No. 21)	1
21	780054	Bushing	1
22	782042A	Housing & Bushing Assembly (8-5/8" long) (Incl. No. 21)	1
23	776245	Shaft — Brake	1
24	792120	Screw — Hex Hd.	1
25	778036	Gear — Output	1
26	778037	Gear — Idler	1
27	776244	Shaft — Output	1
29	780001	Washer	1
30	780090	Washer	1
31	788008	Seal — Oil	1
32	786026	Pin — Dowel	1
33	792046	Screw — Hex Washer Hd. Thread Forming	1
34	792010	Plug — Pipe	1
35	786112	Plate — Adapter	1
36	790027	Disk — Brake	1
37	790006	Pad — Brake	1
38	790007	Plate — Brake Pad	1
39	790025	Holder — Brake Pad	1
40	790010	Lever — Brake	1
41	792076	Washer — Flat	1
42	792075	Locknut	1
43	792073	Screw — Flanged Hex Hd. Thread Forming	1
43A	792085	Screw — Flanged Hex Hd. Thread Forming	1
44	786086	Bracket	1
45	786066	Spacer	1
46	778194	Gear — Spur (22 Teeth)	1
47	510334	Gasket Eliminator	1
48	788044	Gasket	1



HYDRAULIC SCHEMATIC

Ref. No.	Part No.	Description	No. Used
1	56-3390	Hose Assembly — Reservoir to Transmission	1
2	54-2310	Tube Assembly — Hydraulic	1
3	54-2580	Hose Assembly — Filter to Transmission	1
4	54-2570	Hose Assembly — Valve to Filter	1

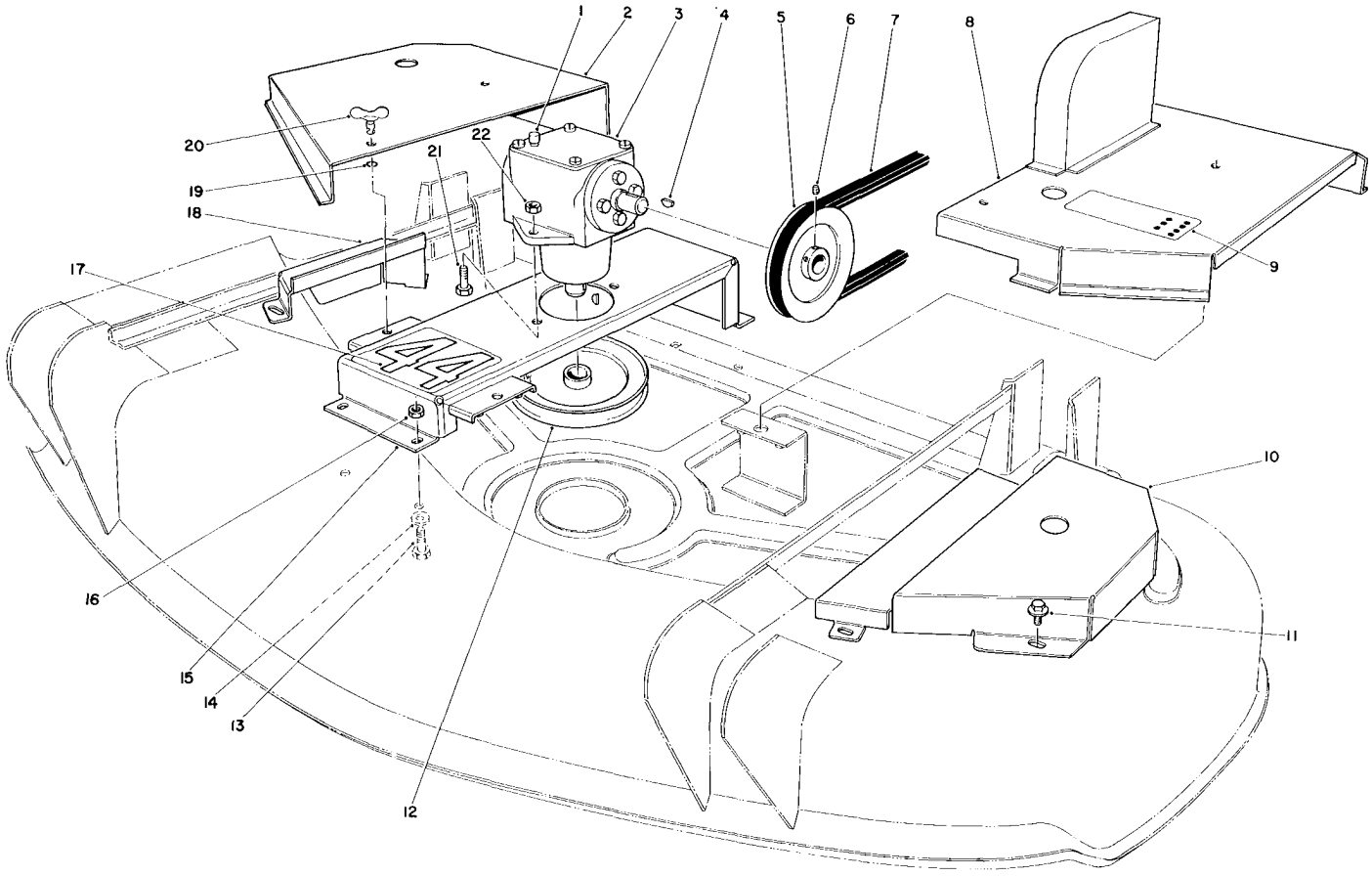
Ref. No.	Part No.	Description	No. Used
5	54-2610	Hose Assembly — Cylinder to Valve	1
6	54-2620	Hose Assembly — Cylinder to Valve	1
7	54-2590	Hose Assembly — Transmission to Valve	1



CUTTING UNIT MODEL NO. 30544

Ref. No.	Part No.	Description	No. Used
1	3296-5	Nut — Lock	2
2	3217-6	Nut — Lock	4
3	3253-4	Washer — Lock	4
4	40-6230	Spring — Deflector	2
5	26-7980	Decal — Caution	1
6	3230-2	Bolt — Carriage	4
7	32152-2	Nut — Hex	1
8	52-4580	Pulley — Idler	1
9	3256-4	Washer — Flat	A/R
10	323-10	Screw — Cap Hex Hd.	1
11	302-5	Grease Fitting	3
12	55-7050	Bracket — Cover R.H.	1
13	54-1370	V-Belt	1
14	55-7690	Pulley — Spindle	3
15	19-1470	Bolt — Shoulder	1
16	55-7430	Lever — Deck	1
17	23-1120	Washer	1
18	55-7680	Spacer — Bearing	3
19	55-8280	Deck Support Ring	3
20	32152-1	Nut — Hex	16
21	3296-16	Nut — Lock	4
22	55-7060	Bracket — Cover (L.H.)	1
23	54-0700	44" Deck Assembly	1
24	43-8480	Decal — Danger	1
25	3229-3	Carriage Bolt	2

Ref. No.	Part No.	Description	No. Used
26	3296-41	Nut — Special	6
27	7-3522	Cup — Anti Scalp	3
28	54-0010	Blade	3
29	47-0094	Shaft — Spindle	3
30	47-0110	Spacer — Spindle	3
31	32120-11	Ring — Retaining	3
32	251-318	Bearing	6
33	60-9670	Tube — Spindle	3
34	3256-24	Washer — Flat	A/R
35	322-4	Screw — Cap Hex Head	13
36	322-5	Screw — Cap Hex Head	1
37	54-1180	Anchor — Deck Spring	1
38	3229-11	Bolt — Carriage	2
39	54-1160	Spring — Extension	1
40	42-6430	Decal — Warning	1
41	283-55	Pin — Clevis	4
42	3290-355	Pin — Hair	4
43	55-8320	Bracket — Deflector Pivot	1
44	3211-15	Screw — Cap Hex Head	2
45	57-6970	Deflector — Grass	1
46	36-1740	Roller — Deck	1
47	62-4480	Rod — Roller	1
48	29-4820	Roller	2
49	40-6400	Shaft — Roller	1
50	3211-72	Pin — Cotter	2

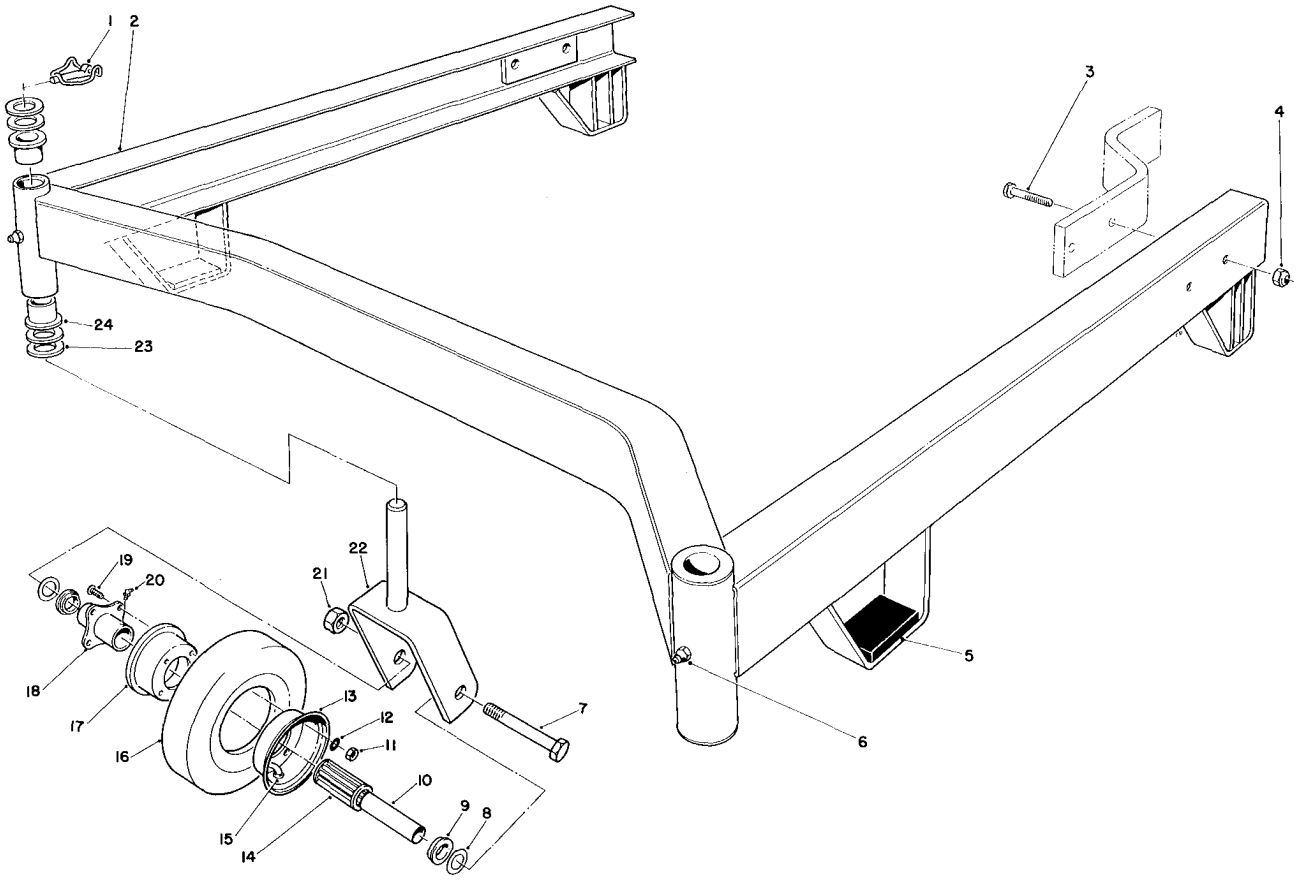


CUTTING UNIT MODEL NO. 30544 (Continued)

Ref. No.	Part No.	Description	No. Used
1	302-14	Vent/Cap	1
2	54-2240	Cover — Deck	1
3	54-2320	Gearbox — Deck Drive	1
4	3257-32	Key — Woodruff	2
5	54-2360	Pulley — Input (Incl. Ref. #6)	1
6	3241-1	Screw — Set	4
7	54-1360	V-Belt	1
8	55-7040	Cover — Deck	1
9	42-6860	Decal — Height of Cut	1
10	54-2220	Cover — Deck (L.H.)	1
11	46-8560	Screw — Self Tapping	4

Ref. No.	Part No.	Description	No. Used
12	54-2350	Pulley — Output (Incl. Ref. #6)	1
13	322-4	Screw — Cap Hex Head	4
14	3256-23	Washer — Flat	2
15	55-7030	Bracket — Gearbox	1
16	32152-1	Nut — Hex	4
17	54-2760	Decal — 44"	1
18	54-2250	Cover — Deck (R.H.)	1
19	249-35	Ring — Retaining	4
20	249-36	Stud — Wing Head	4
21	323-6	Screw — Cap Hex Head	2
22	32152-2	Nut — Hex	2

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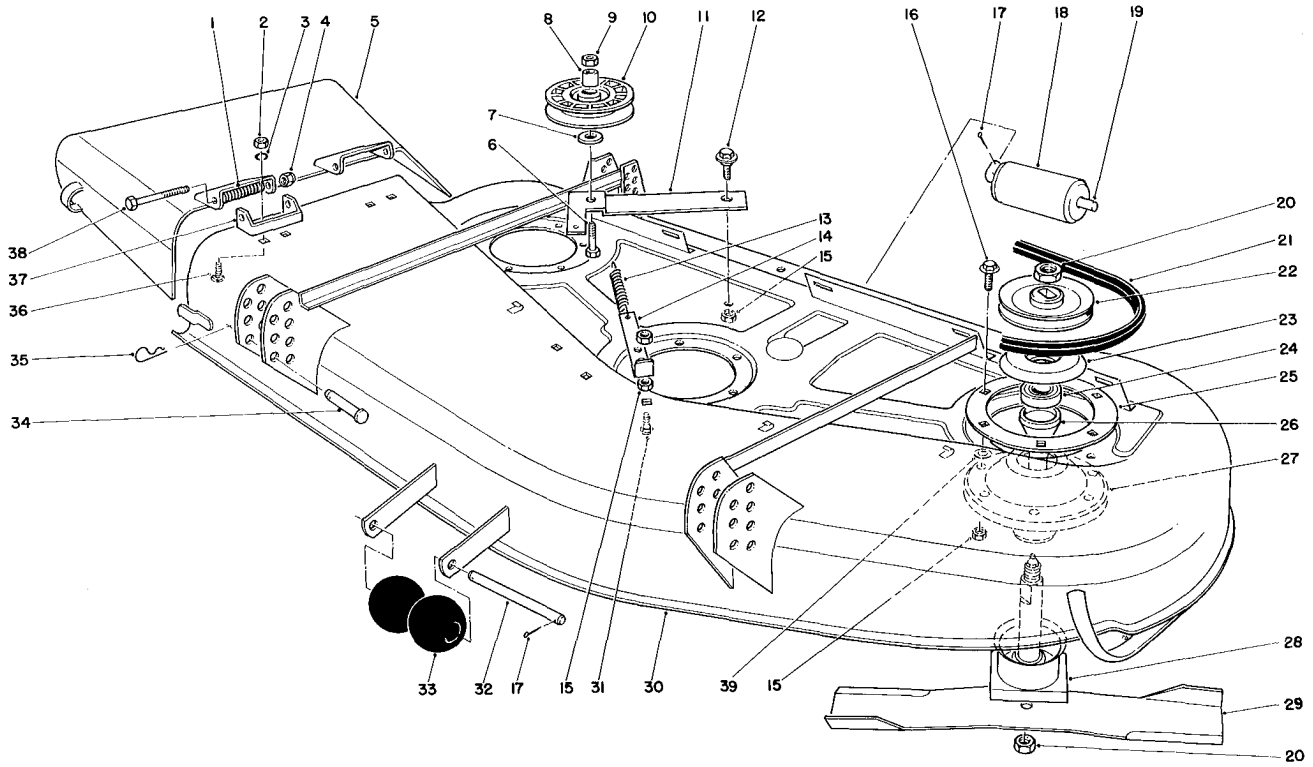


CUTTING UNIT MODEL NO. 30544 (Continued)

Ref. No.	Part No.	Description	No. Used
1	3290-384	Pin — Lynch	2
2	54-0800	44" Suspension Assembly (Incl. Ref. #23 & 24)	1
3	323-9	Screw — Cap Hex Head	4
4	32152-2	Nut — Hex	4
5	54-2700	Cushion — Rubber	2
6	302-5	Fitting — Grease	2
7	328-9	Capscrew — Hex Head	2
8	54-4250	Washer — Thrust	4
9	54-8840	Retainer — Bearing	4
10	54-8860	Bushing — Spanner	2
11	3217-6	Nut — Hex	8
12	3253-4	Washer — Lock	8
13	54-8900	Wheel Half — Male	2

Ref. No.	Part No.	Description	No. Used
14	54-8850	Bearing — Roller	2
15	54-5880	Tube w/Valve	2
16	54-8870	Tire	2
17	54-8910	Wheel Half — Female	2
18	54-8830	Hub — Centered	2
19	54-8890	Bolt — Wheel	8
20	302-10	Fitting — Grease	2
21	32153-6	Nut — Lock	2
22	40-0370	Fork — Caster	2
23	3-6781	Washer — Thrust	8
24	28-9290	Bushing	4
*	54-8820	Castor Wheel Complete (Incl. Ref. #8-19)	2

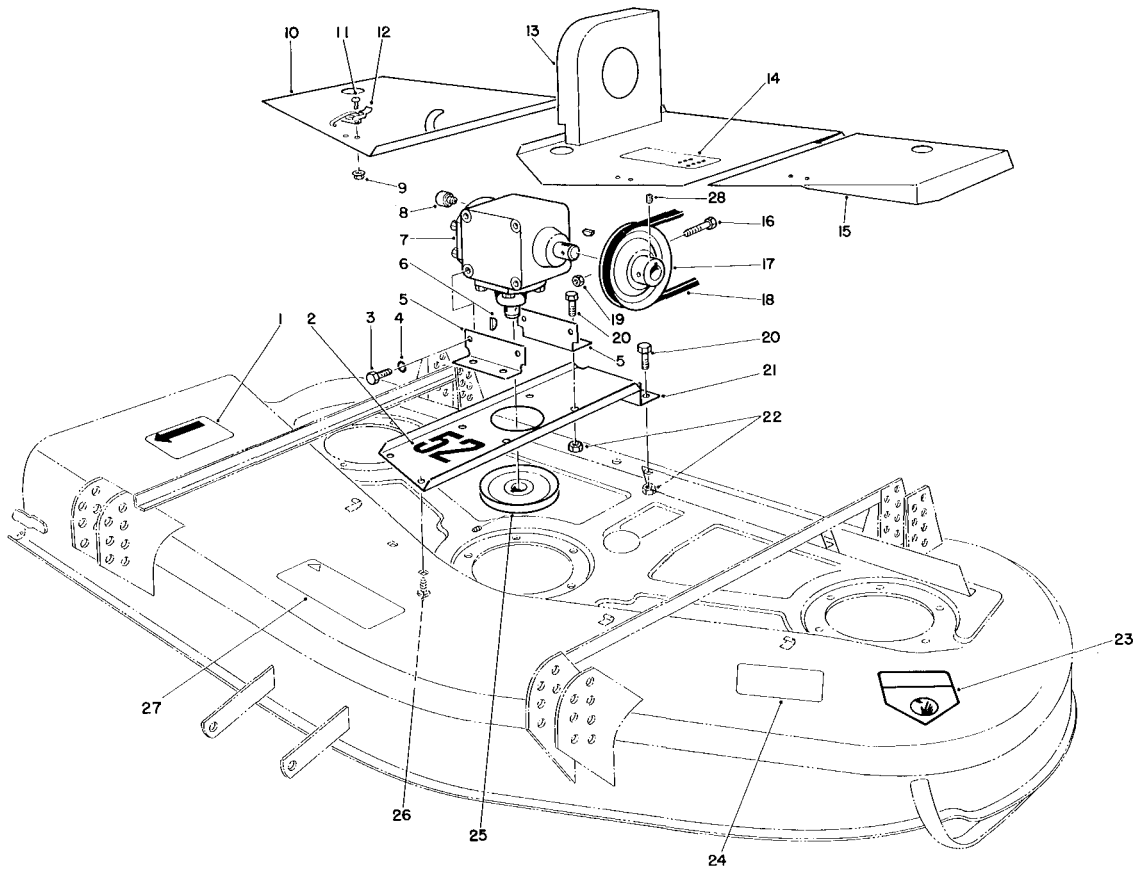
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CUTTING UNIT MODEL NO. 30753

Ref. No.	Part No.	Description	No. Used
1	40-6230	Spring	2
2	3217-6	Nut	4
3	3253-4	Washer — Lock	4
4	3296-5	Nut — Lock	2
5	40-6200	Deflector — Grass	1
6	323-10	Capscrew — Hex Head	1
7		Washer	1
8		Bushing	1
9	3296-44	Nut — Lock	1
10	52-4580	Pulley — Idler (Incl. Ref. #7 & 8)	1
11	56-5520	Lever — Deck	1
12	19-1470	Bolt — Shoulder	1
13	54-1160	Spring — Extension	1
14	56-5540	Anchor — Deck Spring	1
15	3296-29	Nut — Lock	21
16	3234-17	Screw — Hex Head Flange	18
17	3272-11	Cotter Pin	4
18	36-1740	Roller — Deck	2
19	40-0340	Shaft — Rear Roller	2
20	32146-19	Nut — Lock	6

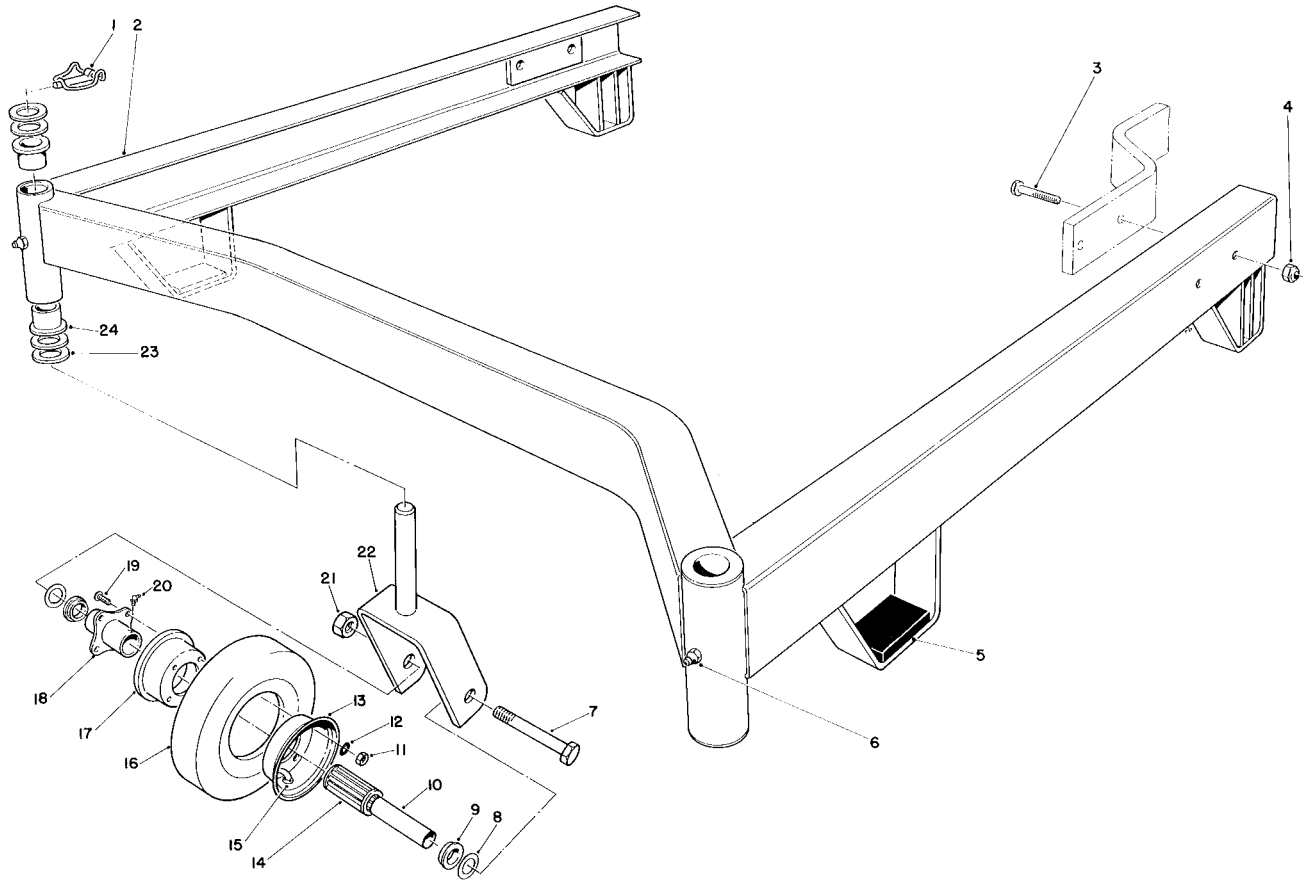
Ref. No.	Part No.	Description	No. Used
21	56-5560	Belt — Deck	1
22	51-3520	Pulley	3
23	39-7690	Dust Cover	3
24	40-6340	Bearing	3
25	27-7680	Ring Deck Support	3
26	40-6320	Spacer w/Grease Shield	3
27	40-6330	Housing Assembly	3
28	40-6310	Shaft & Saddle Assembly	3
29	40-3760	Blade	3
30	12-1659	Housing	1
31	3230-22	Bolt — Carriage	1
32	40-6400	Shaft — Roller	1
33	29-4820	Roller	1
34	283-55	Pin — Clevis	4
35	3290-355	Pin — Hair	4
36	3230-20	Carriage Bolt	4
37	29-5590	Bracket — Deflector Pivot	2
38	3211-15	Capscrew — Hex Head	2
39	3256-24	Washer	A/R



CUTTING UNIT MODEL NO. 30753 (Continued)

Ref. No.	Part No.	Description	No. Used
1	40-5730	Decal — Caution	1
2	51-3960	Decal — 52"	1
3	323-4	Capscrew — Hex Hd.	4
4	3253-21	Washer — Lock	4
5	56-5440	Bracket — Mounting	2
6	3257-14	Key — Woodruff	2
7	53-4600	Gear Box Deck Drive	1
8	302-34	Vent	1
9	32128-17	Nut — Flange	6
10	56-5610	Cover — Deck R.H.	1
11	3290-321	Screw	6
12	249-21	Latch	3
13	56-5590	Cover — Center	1
14	42-6860	Decal — Height of Cut	1

Ref. No.	Part No.	Description	No. Used
15	56-5580	Cover — Deck L.H.	1
16	321-18	Screw — Hex Hd.	2
17	62-5940	Pulley — Gear box	1
18	56-5570	Belt — Deck Drive	1
19	3296-16	Nut — Lock	2
20	322-4	Capscrew — Hex Hd.	6
21	56-5430	Base — Gear Box Mounting	1
22	3296-29	Nut — Lock	8
23	43-8480	Decal — Danger	1
24	42-6430	Decal — Warning	1
25	62-5410	Pulley	1
26	3230-10	Carriage Bolt	2
27	56-5670	Decal — Warning	1
28	3241-1	Set Screw	2



CUTTING UNIT MODEL NO. 30753

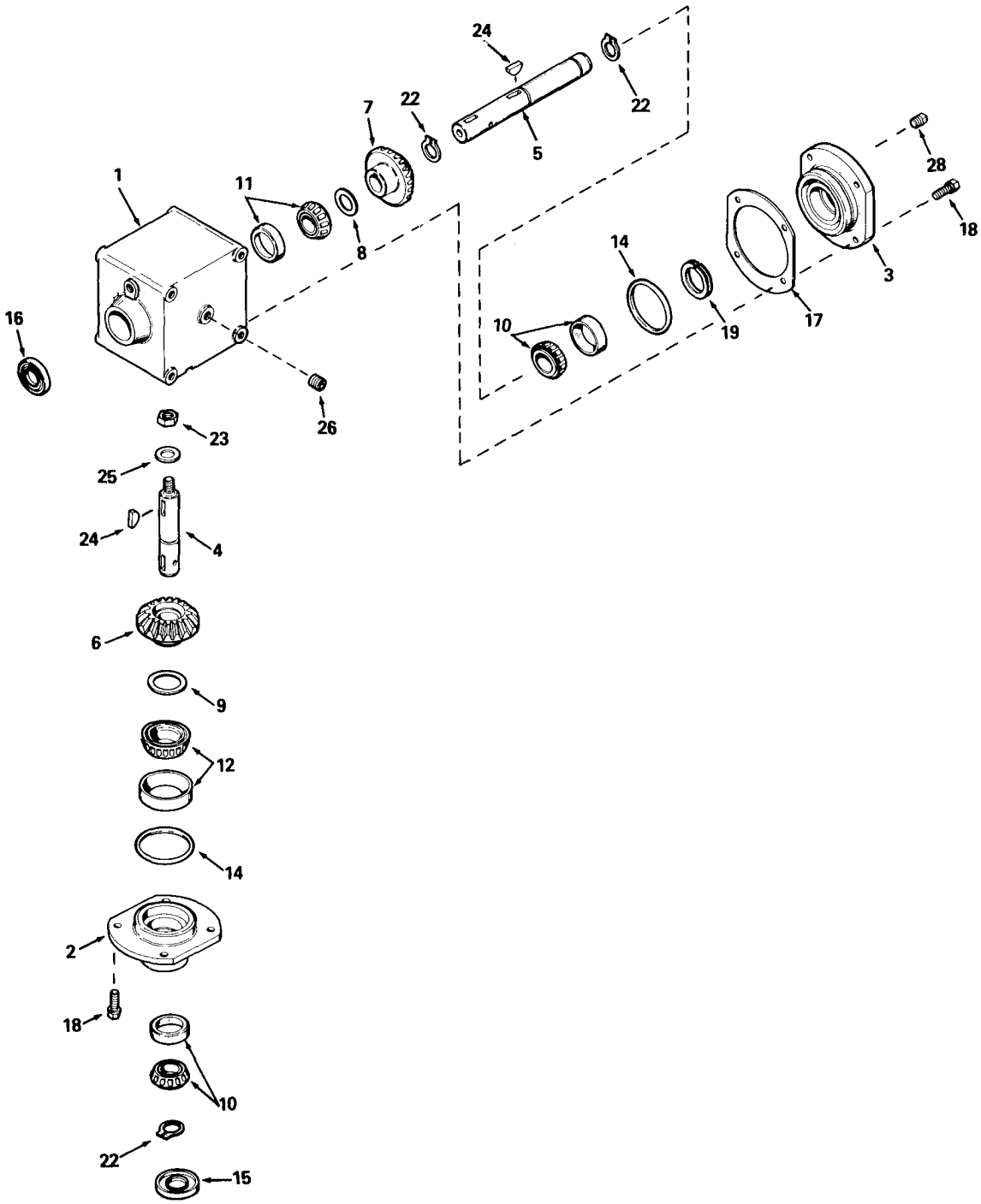
Ref. No.	Part No.	Description	No. Used
1	3290-384	Pin — Lynch	2
2	55-4630	52" Suspension Assembly (Incl. Ref. #23 & 24)	1
3	323-9	Screw — Cap Hex Head	4
4	32152-2	Nut — Hex	4
5	54-2700	Cushion — Rubber	2
6	302-5	Fitting — Grease	2
7	328-9	Capscrew — Hex Head	2
8	54-4250	Washer — Thrust	4
9	54-8840	Retainer — Bearing	4
10	54-8860	Bushing — Spanner	2
11	3217-6	Nut — Hex	8
12	3253-4	Washer — Lock	8
13	54-8900	Wheel Half — Male	2
14	54-8850	Bearing — Roller	2

Ref. No.	Part No.	Description	No. Used
15	54-5880	Tube w/Valve	2
16	54-8870	Tire	2
17	54-8910	Wheel Half — Female	2
18	54-8830	Hub — Centered	2
19	54-8890	Bolt — Wheel	8
20	302-10	Fitting — Grease	2
21	32153-6	Nut — Lock	2
22	40-0370	Fork — Caster	2
23	3-6781	Washer — Thrust	8
24	28-9290	Bushing	4
*	54-8820	Castor Wheel Complete (Incl. Ref. #8-19)	2
*	24-5790	Rear Weight (Optional)	1
*†	325-6	Capscrew	2
*†	3253-7	Washer — Lock	2

*Not Illustrated

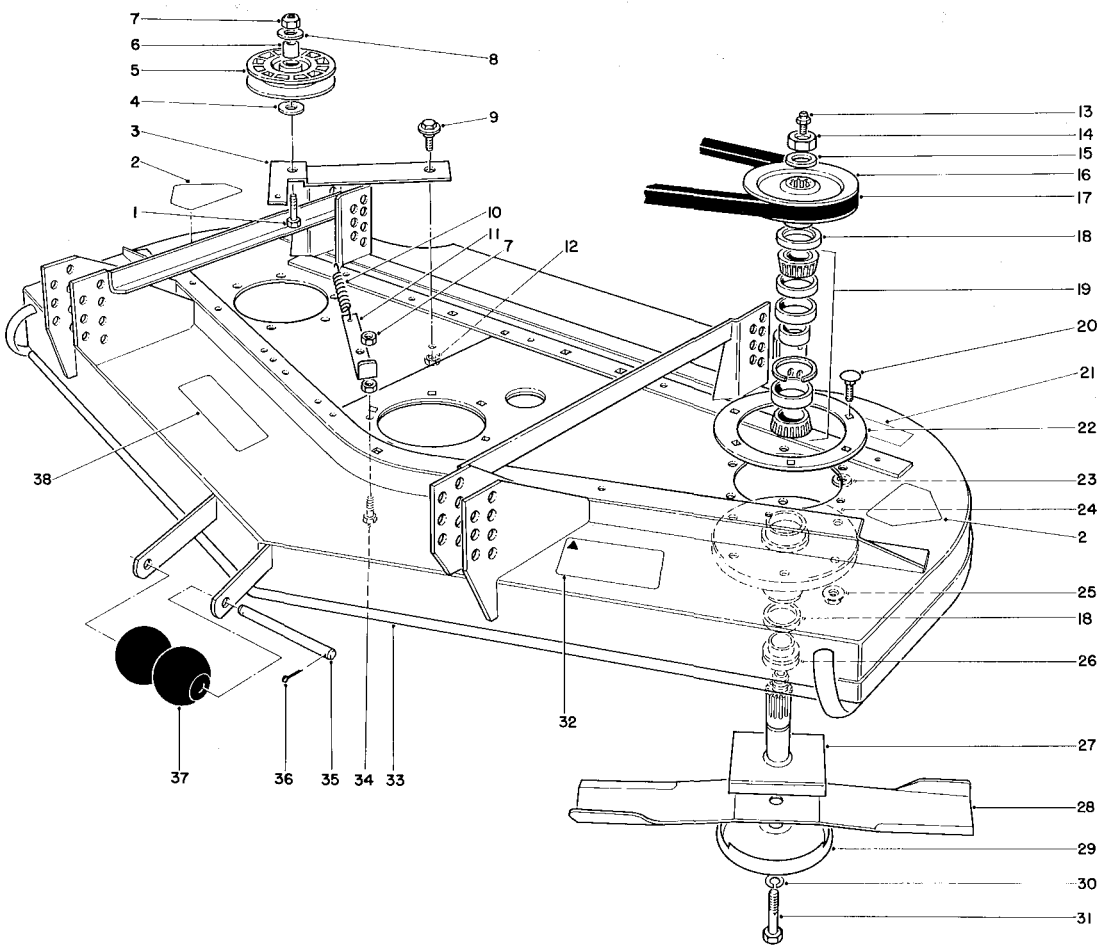
†Required for mounting 24-5790 Rear Weight.

GEAR BOX ASSEMBLY MODEL NO. 1100-010
(FOR CUTTING UNITS MODEL NO. 30753 & 30768)



GEAR BOX ASSEMBLY MODEL NO. 1100-010
(FOR CUTTING UNITS MODEL NO. 30753 & 30768)

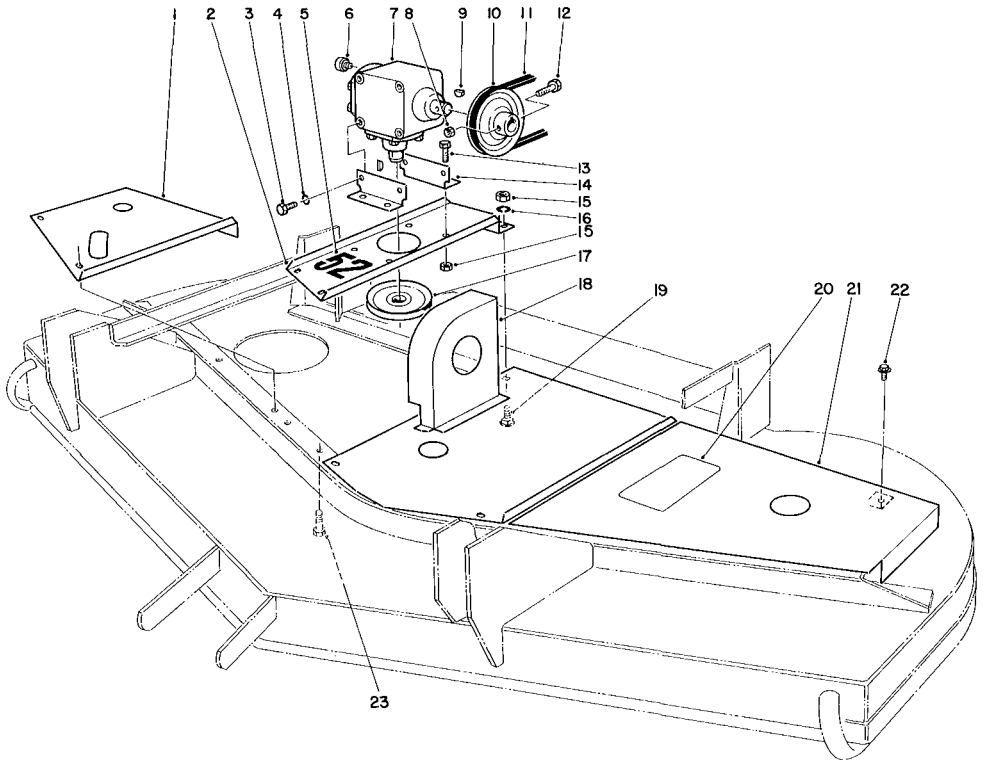
Ref. No.	Part No.	Description	No. Used
1	770076	Housing — Right Angle Drive	1
2	786104A	*Cap — Retainer*	1
3	786106	Cap — Retainer	1
4	776224	Shaft — Input	1
5	776223	Shaft — Output	1
6	778167	Gear — Bevel (25 teeth)	1
7	778171	Gear — Bevel (26 teeth)	1
8	780131	Shim (1-1/2" O.D. x 1-1/64" I.D. x .002 thick) (Use as required)	1
9	780138	Shim (2.000" O.D. x 1.531" I.D. x .002 thick) (Use as required)	1
10	780132	Bearing & Cup Assembly (This assembly may have a shim washer included. The shim washer is not required at this location.)	1
11	780132	Bearing & Cup Assembly (This is a factory sized assembly and may or may not include Ref. #8 shim washer. If Ref. #8 shim washer is supplied, it *must* be used in this location. All old shim washers *must* be discarded.)	1
12	780134	Bearing & Cup Assembly (This is a factory sized assembly and may or may not include Ref. #9 shim washer. If Ref. #9 shim washer is included, it *must* be used in this location. All old shim washers *must* be discarded.)	1
14	788063	"o" Ring	1
15	788064	Seal — Oil	1
16	788065	Seal — Oil	1
17	780136	Shim — Cap Retainer	1
18	792037	Screw — Hex Hd.	1
19	780137	Ring — Load	1
22	792113	Ring — Retaining	1
23	792110	Jam Nut	1
24	792114	Key — Woodruff	1
25	792115	Washer — Flat	1
26	792116	Plug — Pipe	1
28	792039	Plug — Pipe	1



CUTTING UNIT MODEL NO. 30768

Ref. No.	Part No.	Description	No. Used
1	323-10	Screw — Cap, Hex. Hd.	1
2	43-8480	Decal — Danger	2
3	56-5520	Lever — Deck	1
4	31-3220	Washer	1
5	52-4580	Pulley (Incl. Ref. #4 & 5)	1
6	52-8860	Bushing	1
7	3296-26	Nut — Lock	3
8	52-8850	Washer	1
9	19-1470	Bolt — Shoulder	1
10	54-1160	Spring — Extension	1
11	56-5540	Anchor — Deck Spring	1
12	3296-29	Nut — Lock	1
13	302-2	Grease Fitting	3
14	32146-20	Nut — Jam	3
15	7-4150	Washer	3
16	56-2510	Pulley	3
17	56-5560	Belt — Deck	1
18	253-139	Seal Wave	6
19	46-8530	Bearing Assembly	3

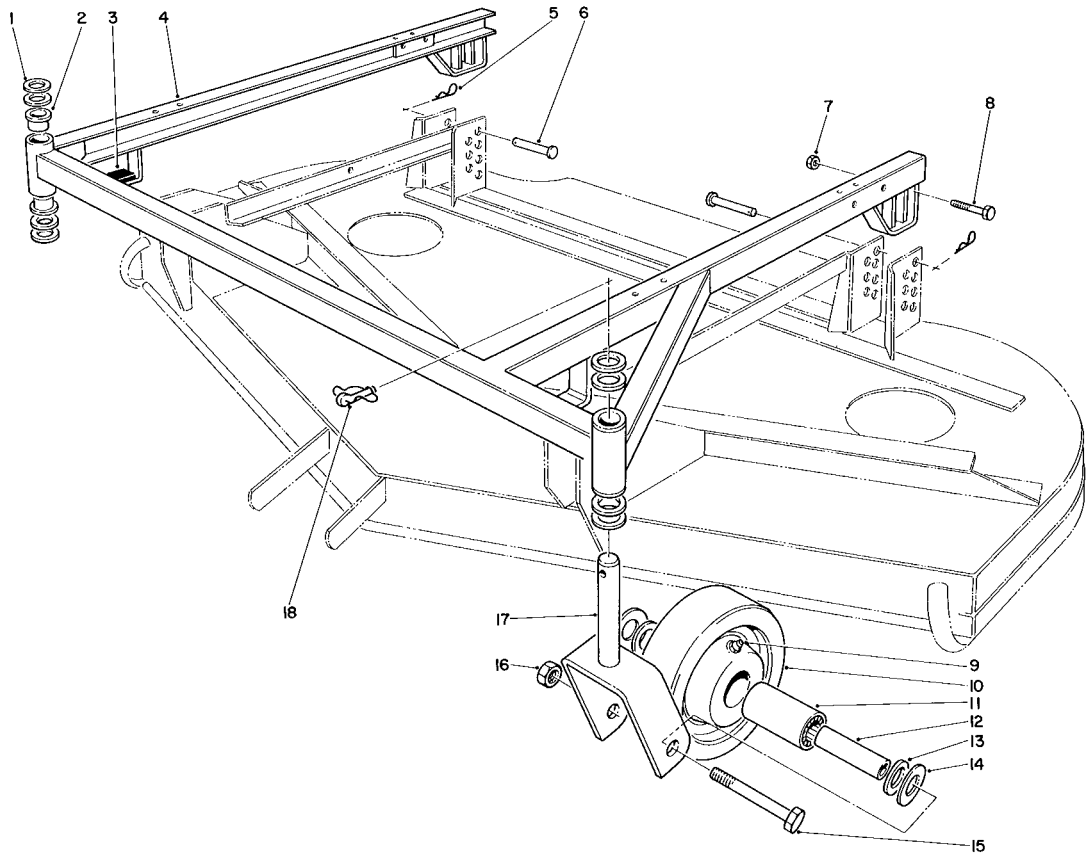
Ref. No.	Part No.	Description	No. Used
20	3231-22	Bolt — Carriage	18
21	26-7970	Decal — Caution	1
22	27-7680	Ring — Deck Support	2
23	3256-24	Washer	A/R
24	27-0880	Spindle Housing	3
25	32128-21	Nut — Locking	18
26	27-0950	Spacer — Spindle Bearing	3
27	27-0920	Spindle Shaft	3
28	27-0990	Blade	3
29	27-1000	Cap — Anti Scalp	3
30	3253-27	Washer — Lock	3
31	44-2200	Screw — Blade	3
32	56-5670	Decal — Warning	1
33	56-5700	Cutting Deck	1
34	323-29	Screw — Cap, Hex. Hd.	1
35	40-6400	Shaft — Roller	1
36	3272-11	Pin — Cotter	2
37	29-4820	Roller	2
38	26-7960	Decal — Caution	1



CUTTING UNIT MODEL NO. 30768 (Continued)

Ref. No.	Part No.	Description	No. Used
1	56-5870	Cover R.H.	1
2	56-5880	Base — Gear Box Mounting	1
3	323-4	Screw — Cap, Hex Hd.	4
4	3253-2	Washer — Lock	4
5	51-3960	Decal — 52"	1
6	302-34	Vent w/Cap	1
7	53-4600	Gear Box — Deck Drive	1
8	3296-56	Nut — Hex Locking	2
9	3257-14	Key — Woodruff	2
10	56-5410	Pulley — Gear Box Input	1
11	56-5570	V-Belt — Deck Drive	1
12	321-11	Screw — Cap, Hex. Hd.	2

Ref. No.	Part No.	Description	No. Used
13	322-4	Screw — Cap, Hex. Hd.	4
14	56-5440	Bracket — Mounting	2
15	3296-29	Nut — Hex	8
16	3253-21	Washer — Lock	4
17	56-5420	Pulley — Gear Box, Output	1
18	56-5840	Center Cover	1
19	3230-2	Bolt — Carriage	2
20	42-6860	Decal — Height of Cut	1
21	56-5860	Cover L.H.	1
22	46-8560	Screw — Self Tapping Locking Flange, Hex. Hd.	12
23	322-4	Capscrew — Hex. Hd.	2

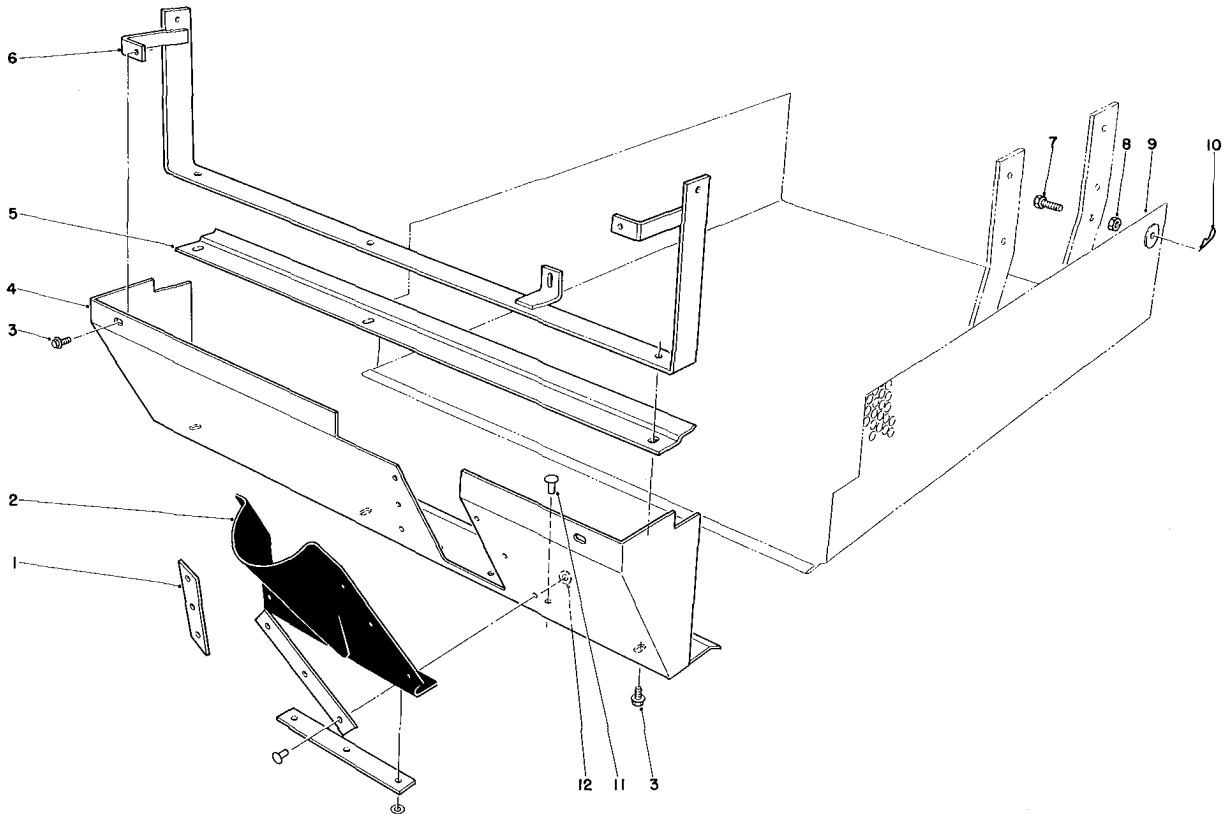


CUTTING UNIT MODEL NO. 30768 (Continued)

Ref. No.	Part No.	Description	No. Used
1	3-6781	Washer — Thrust	8
2	28-9290	Bushing	4
3	54-2700	Cushion — Rubber	2
4	56-5710	Suspension Frame (Incl. Ref. #2)	1
5	3290-355	Pin — Hair Cotter	4
6	283-55	Pin — Clevis	4
7	32152-2	Nut — Hex.	4
8	323-9	Screw — Hex. Hd.	4
9	302-55	Grease Fitting	2
10	27-1190	Wheel	2

Ref. No.	Part No.	Description	No. Used
11	27-1210	Roller Bearing	2
12	27-1200	Spanner Bushing	2
13	27-1180	Bearing — Retainer	4
14	27-1170	Thrust — Washer	4
15	3216-15	Screw — Cap, Hex. Hd.	2
16	32146-20	Nut — Jam	2
17	40-0370	Front Castor Fork	2
18	3290-384	Lynch Pin — Safety	2
*	27-1050	Wheel Assembly (Incl. Ref. #9-14)	2
*	12-1519	Wheel Assembly (Optional)	2

*Not Illustrated

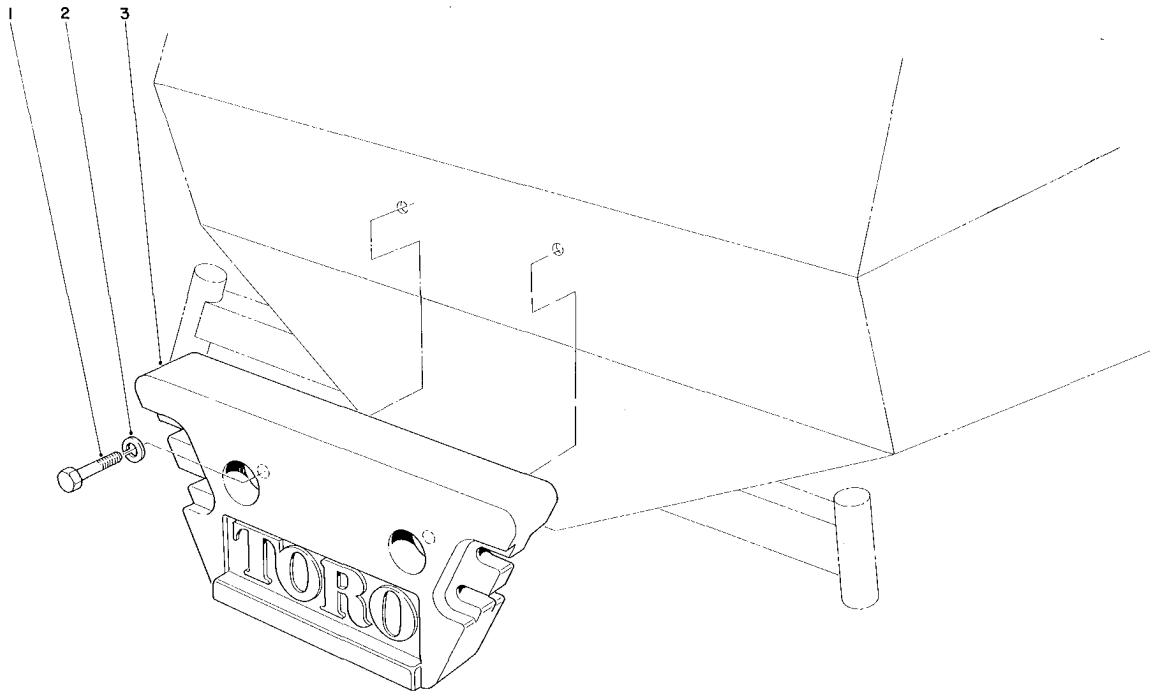


CUTTING UNIT MODEL NO. 30768 (Continued)

Ref. No.	Part No.	Description	No. Used
1	56-9660	Support Rubber	3
2	56-9640	Shield — Rubber	1
3	12-3270	Screw — Self Tapping Washer Face	5
4	56-2210	Deflector	1
5	56-9650	Support — Screen	1
6	56-9670	Mount — Deflector	1
7	59-1430	Screw — Special	2

Ref. No.	Part No.	Description	No. Used
8	3296-16	Nut	2
9	56-9710	Grass Screen	1
10	3290-255	Cotter — Hair Pin	2
11	3269-4	Pop Rivet	9
12	3256-51	Washer	9
*	56-2220	Deflector Assembly (Incl. Ref. #1-2, 4 & 11-12)	1

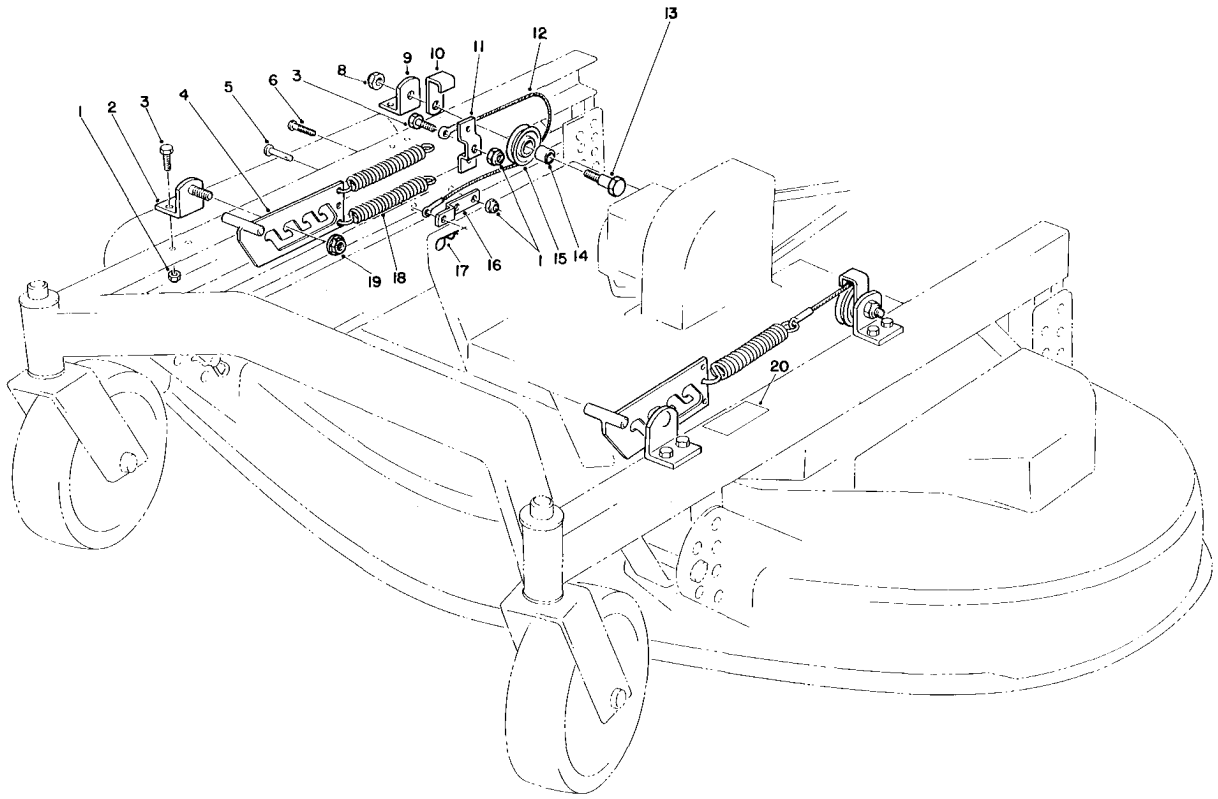
*Not Illustrated



CUTTING UNIT MODEL NO. 30768 (Continued)
REAR WEIGHT (Optional)

Ref. No.	Part No.	Description	No. Used
1	24-5790	Rear Weight	1
2	325-6	Capscrew	2

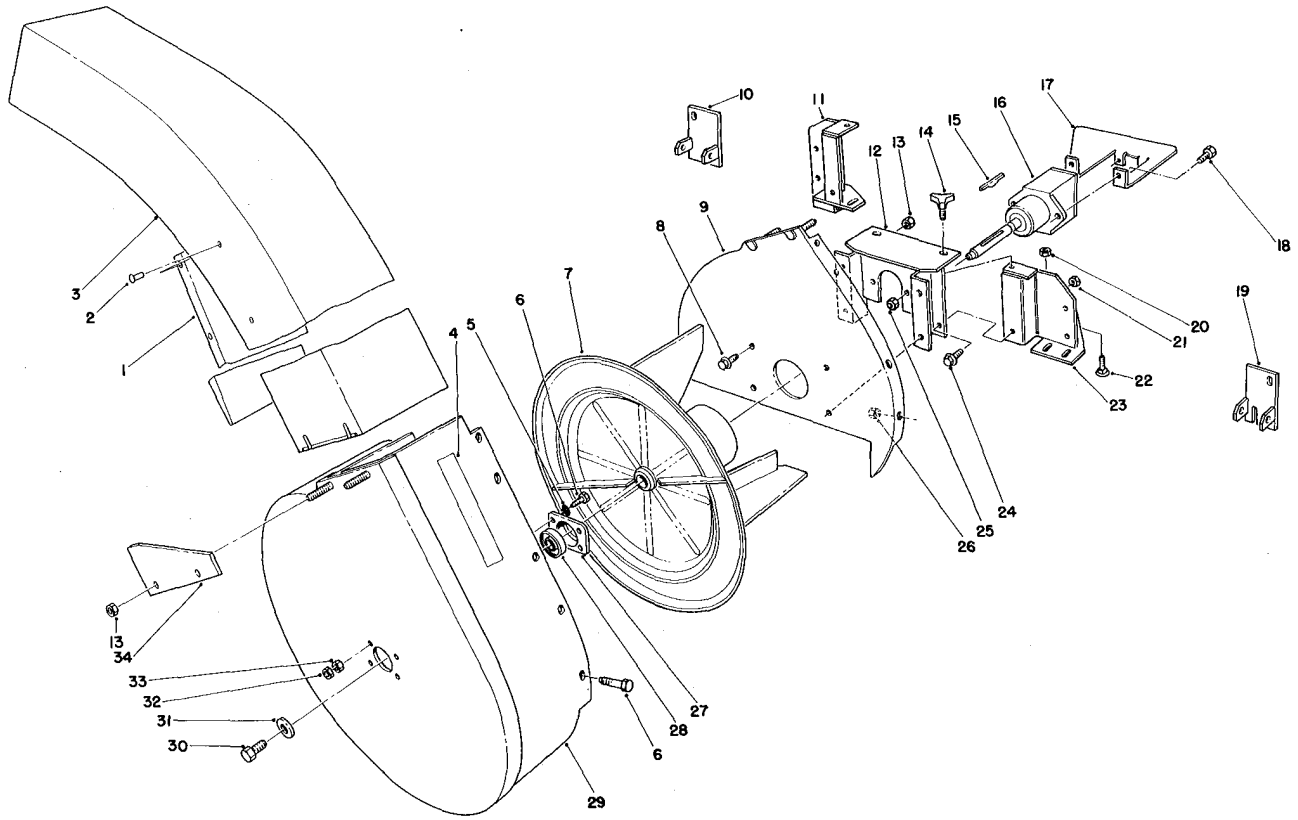
Ref. No.	Part No.	Description	No. Used
3	3253-7	Washer — Lock	2



FLOTATION KIT MODEL NO. 30759 (Optional)
(For Cutting Units Model NO. 30544 & 30753)

Ref. No.	Part No.	Description	No. Used
1	3296-42	Nut — Lock	13
2	56-3340	Bracket — Control Adjustment	2
3	321-4	Screw — Cap Hex Hd.	9
4	56-3330	Control — Tension Adjustment	2
5	283-26	Pin — Clevis	2
6	3258-11	Screw — Round Hd.	4
8	3296-47	Nut — Lock	2
9	56-3360	Bracket — Pulley	2
10	56-2780	Retainer — Cable	2
11	59-5390	Bracket — Spring	1

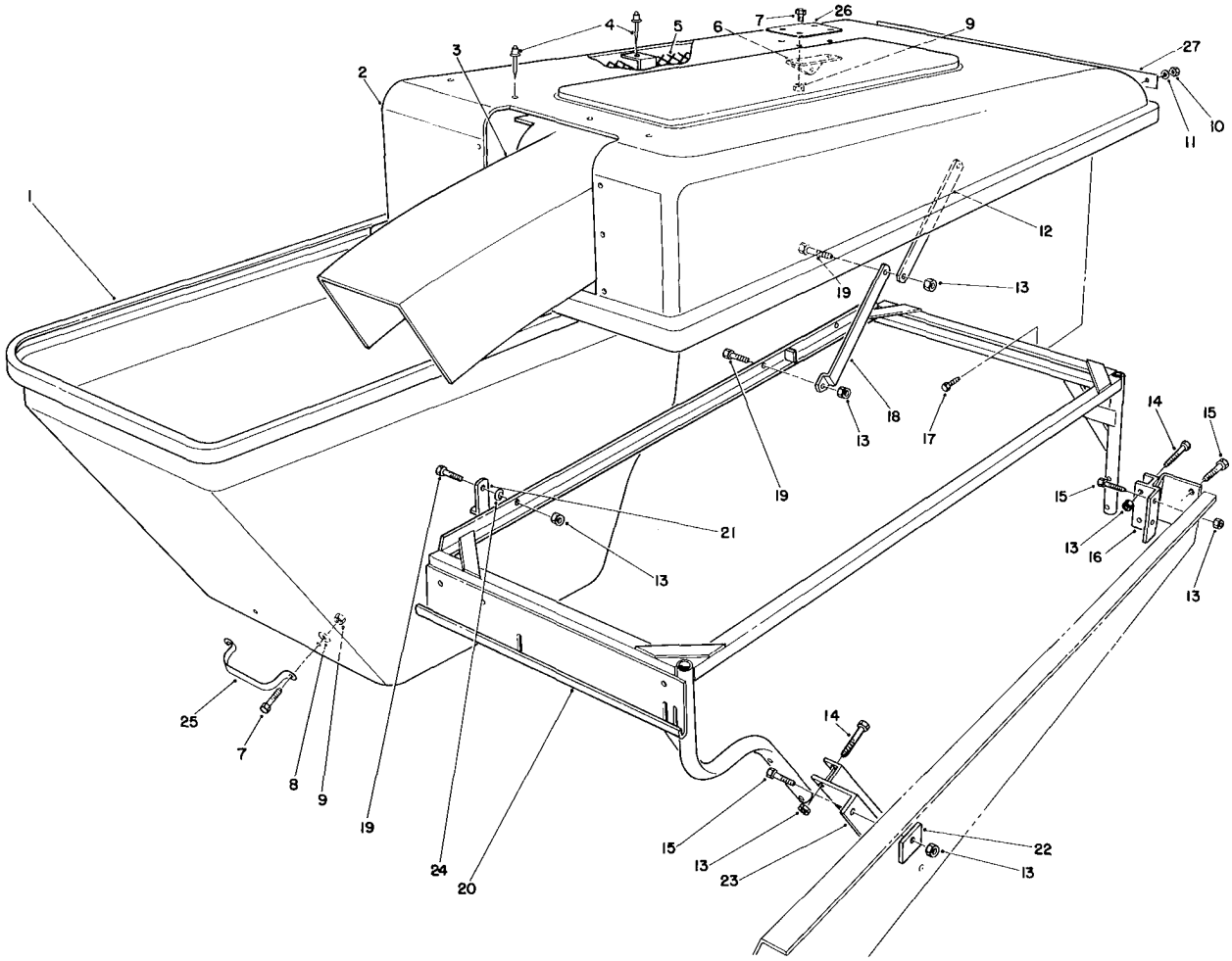
Ref. No.	Part No.	Description	No. Used
12	56-3350	Cable	2
13	59-5400	Bolt — Shoulder	2
14	256-159	Bushing	2
15	3-8775	Pulley Assembly (Incl. Ref. #14)	2
16	56-3380	Bracket — Anchor	2
17	3290-307	Pin — Hair	2
18	56-2770	Spring — Extension	3
19	32128-13	Nut — Lock	2
20	55-4300	Decal — Warning	2



GRASS COLLECTION SYSTEM MODEL NO. 30751 (Optional)

Ref. No.	Part No.	Description	No. Used
1	56-4630	Deflector	1
2	3290-409	Pop Rivet	6
3	56-5220	Chute Assy. (Incl. Ref. #1 & 2)	1
4	43-1110	Decal — Warning	1
5	3254-8	Lockwasher — Int. Tooth	4
6	321-3	Capscrew — Hex Hd.	13
7	56-4780	Impeller	1
8	3234-14	Capscrew — Flange Hd.	4
9	56-4760	Plate — Mounting	1
10	59-4980	Pivot Bracket — Deflector L.H.	1
11	62-4360	Blower Mount — L.H.	1
12	62-4430	Blower Mount	1
13	3296-29	Nut — Hex Hd.	8
14	62-6520	Knob	2
15	3257-40	Key	1
16	53-4530	Gear Box Assembly	1
17	56-5260	Cover — Gear Box	1

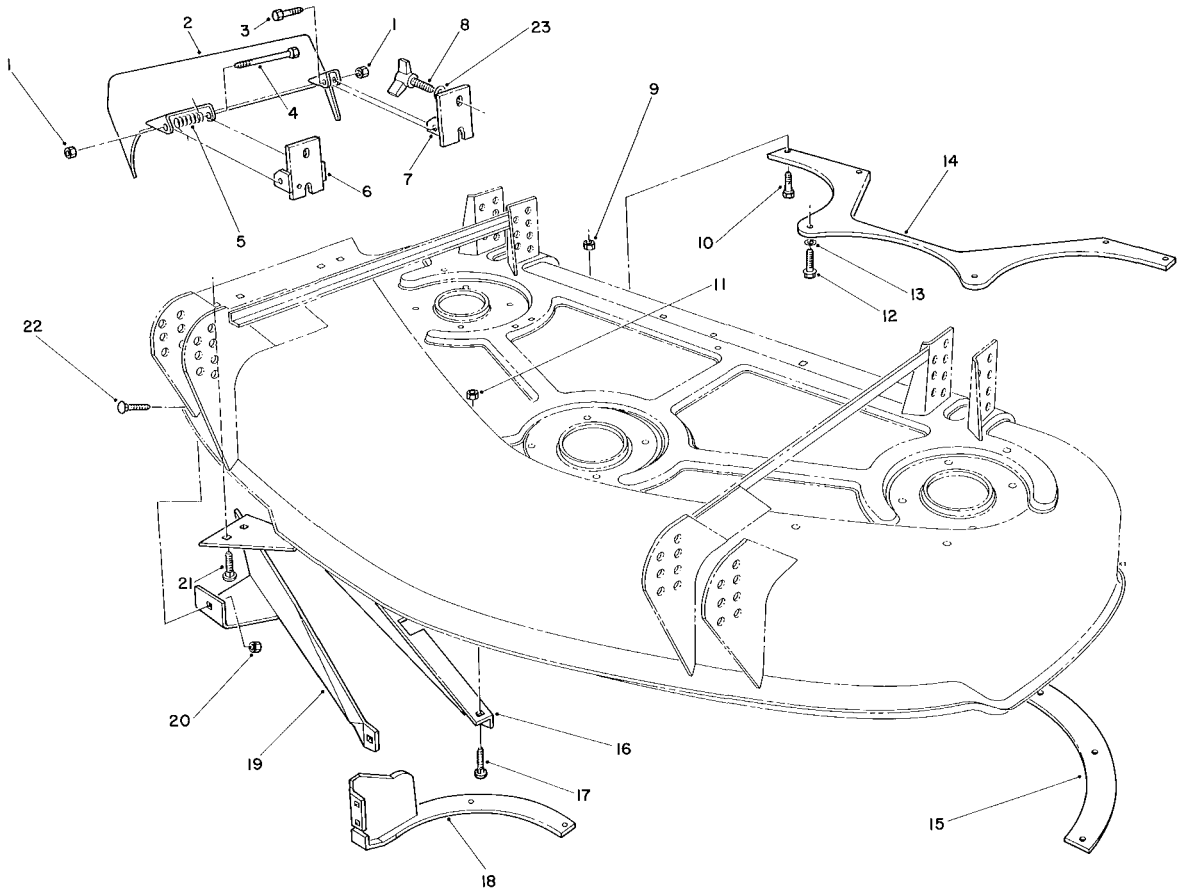
Ref. No.	Part No.	Description	No. Used
18	323-6	Capscrew — Hex Hd.	2
19	59-5000	Pivot Bracket — Deflector R.H.	1
20	32149-1	Nut — Hex Hd.	5
21	3218-3	Nut — Jam	4
22	3230-18	Bolt — Carriage	2
23	56-5040	Blower Mount — R.H.	1
24	3234-11	Screw — Flange Hd.	4
25	3296-44	Nut — Hex Hd.	2
26	3296-42	Nut — Hex Hd.	9
27	37-6730	Cup — Bearing	1
28	38-7820	Ball Bearing	1
29	12-1649	Blower Housing	1
30	36-4030	Capscrew — Hex Hd.	1
31	43-0940	Spacer	1
32	3218-1	Nut — Jam	4
33	3217-5	Nut — Hex Hd.	4
34	43-0960	Bracket	2



GRASS COLLECTION SYSTEM MODEL NO. 30751 (Optional) (Continued)

Ref. No.	Part No.	Description	No. Used
1	56-4650	Hopper — Bagger	1
2	56-4560	Hood — Bagger	1
3	56-4570	Snout — Bagger	1
4	3290-409	Pop Rivet	14
5	56-4580	Bagger Screen	1
6	56-4610	Pivot — Bagger	2
7	321-3	Hex Hd. Capscrew	6
8	3256-55	Washer — Flat	2
9	3296-16	Hex Nut	6
10	3296-2	Hex Nut	7
11	3256-14	Flat Washer	9
12	56-4670	Link — Bag	1
13	3296-29	Hex Nut	16
14	322-10	Hex Hd. Capscrew	5

Ref. No.	Part No.	Description	No. Used
15	322-5	Hex Hd. Capscrew	6
16	56-4500	Rear Mtg. Bracket	1
17	3290-134	Hex Hd. Capscrew	7
18	56-4680	Link — Bag	1
19	322-3	Hex Hd. Capscrew	5
20	56-4400	Hopper Frame	1
21	56-4660	Latch — Hopper	2
22	56-5350	Plate — Reinforcing	1
23	56-4530	Front Mtg. Bracket	1
24	3290-211	Spring Washer	2
25	3-3468	Handle — Basket	1
26	62-6510	Plate — Hood	1
27	62-6500	Plate — Hinge	1

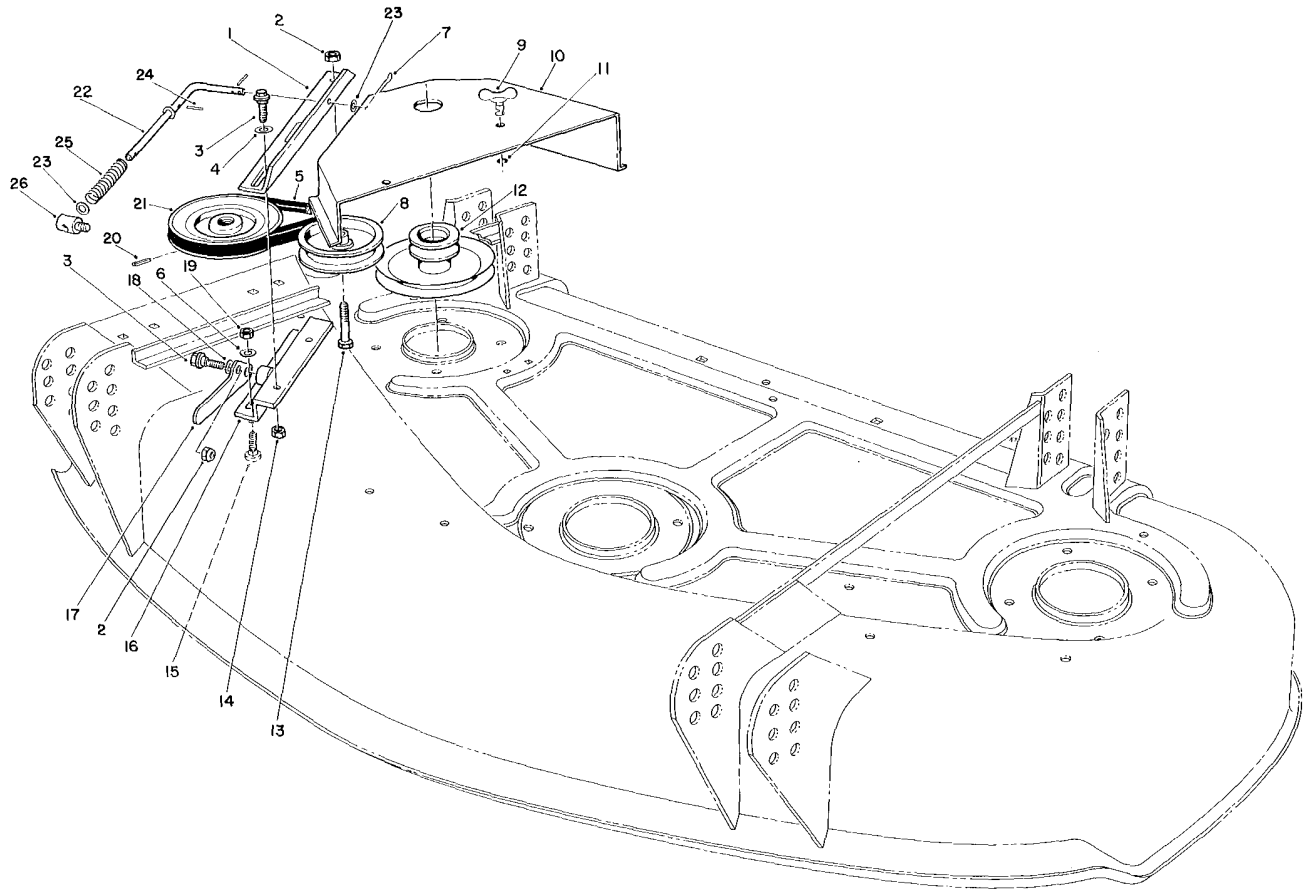


GRASS COLLECTION SYSTEM MODEL NO. 30751 (Optional) (Continued)

Ref. No.	Part No.	Description	No. Used
1	3296-5	Hex Nut	2
2	56-4960	Grass Deflector	1
3	3211-5	Hex Hd. Capscrew	1
4	3211-15	Hex Hd. Capscrew	1
5	40-6230	Spring — Torsion	1
6	56-4980	Pivot Bracket R.H.	1
7	56-5010	Pivot Bracket L.H.	1
8	27-4571	Knob	2
9	3296-42	Hex Nut	9
10	321-4	Hex Hd. Capscrew	9
11	32149-1	Hex Nut	5
12	46-8560	Hex Flange Screw	2

Ref. No.	Part No.	Description	No. Used
13	3256-22	Flat Washer	2
14	56-5190	Baffle — Bagging	1
15	56-5180	Ring — Bagging L.H.	1
16	56-5170	Baffle — Rear	1
17	3230-18	Carriage Bolt	5
18	56-5140	Ring — Bagging R.H.	1
19	56-5110	Baffle — Front	1
20	32149-2	Hex Nut	1
21	3230-10	Carriage Bolt	3
22	3229-22	Carriage Bolt	1
23	3256-24	Washer — Flat	2
*	55-4940	Blade — High Sail (Optional)	3

*Not Illustrated



GRASS COLLECTION SYSTEM MODEL NO. 30571 (Optional) (Continued)

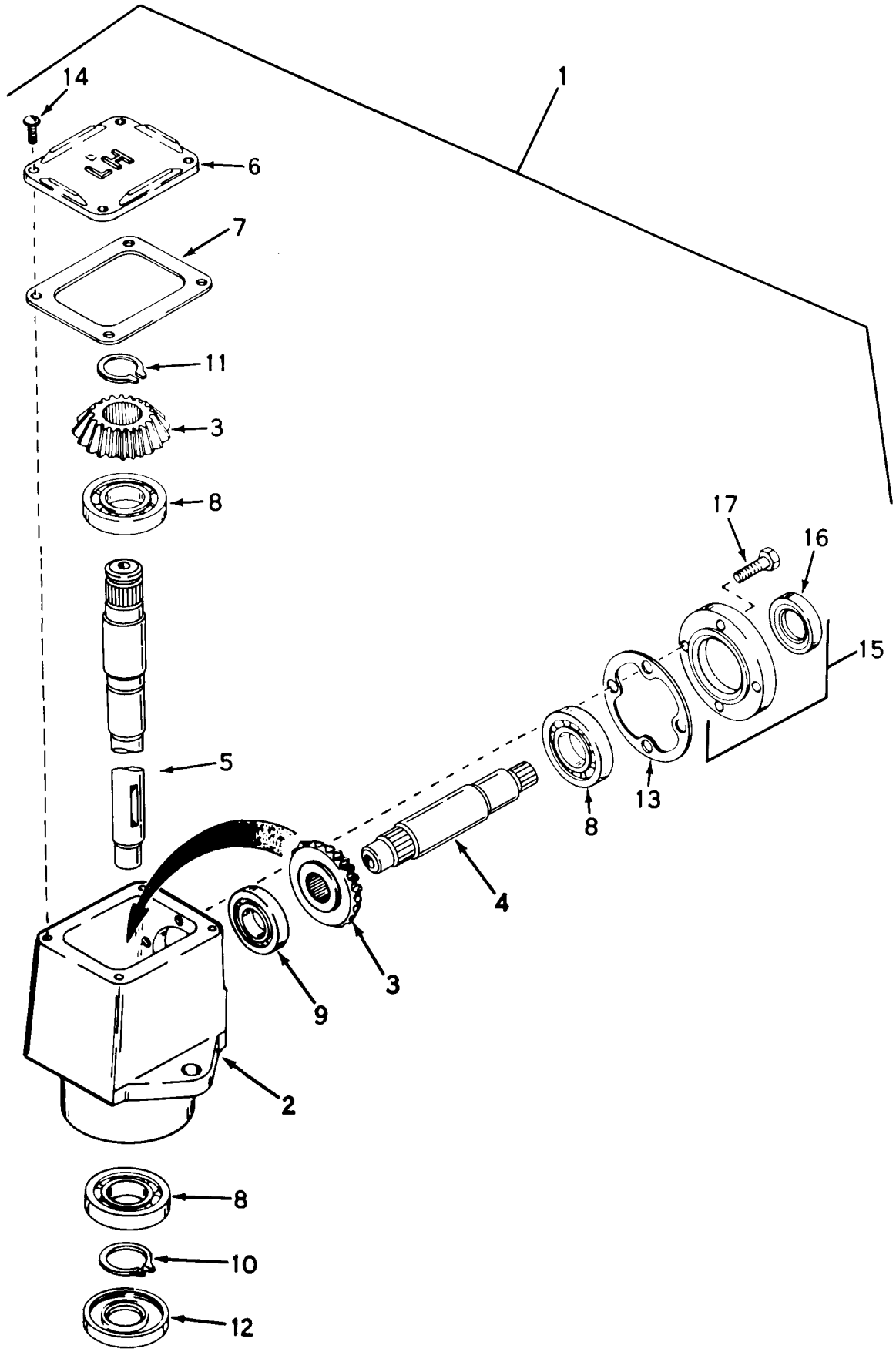
Ref. No.	Part No.	Description	No. Used
1	56-4910	Slide — Idler	1
2	3296-44	Hex Nut	2
3	19-1470	Bolt — Shoulder	3
4	36-4791	Washer — Flat	2
5	53-4650	V-Belt	1
6†	3256-23	Washer	4
7	3272-6	Cotter Pin	2
8	56-4920	Pulley — Idler	1
9	249-36	Stud — Wing Head	2
10	56-5280	Cover — Deck	1
11	249-35	Ring — Retaining	2
12	56-4840	Pulley	1
13	323-7	Hex Hd. Capscrew	1
14	3296-29	Hex Nut	2
15	3230-18	Carriage Bolt	2

Ref. No.	Part No.	Description	No. Used
16	62-6550	Bracket — Idler Mount	1
17	56-4900	Lever — Idler	1
18	3290-211	Spring Washer	1
19	32149-1	Keps Nut	2
20	32121-8	Roll Pin	1
21	56-4810	Pulley — Gear Box	1
22	62-4450	Rod — Idler	1
23	3256-24	Washer	3
24	32121-73	Roll Pin	2
25	62-5930	Spring — Compression	1
26	62-4440	Trunnion	1
*	56-5310	Wheel Weight	1
*†	232-45	Valve Stem Extension	1
*†	322-19	Capscrew	2

*Not Illustrated

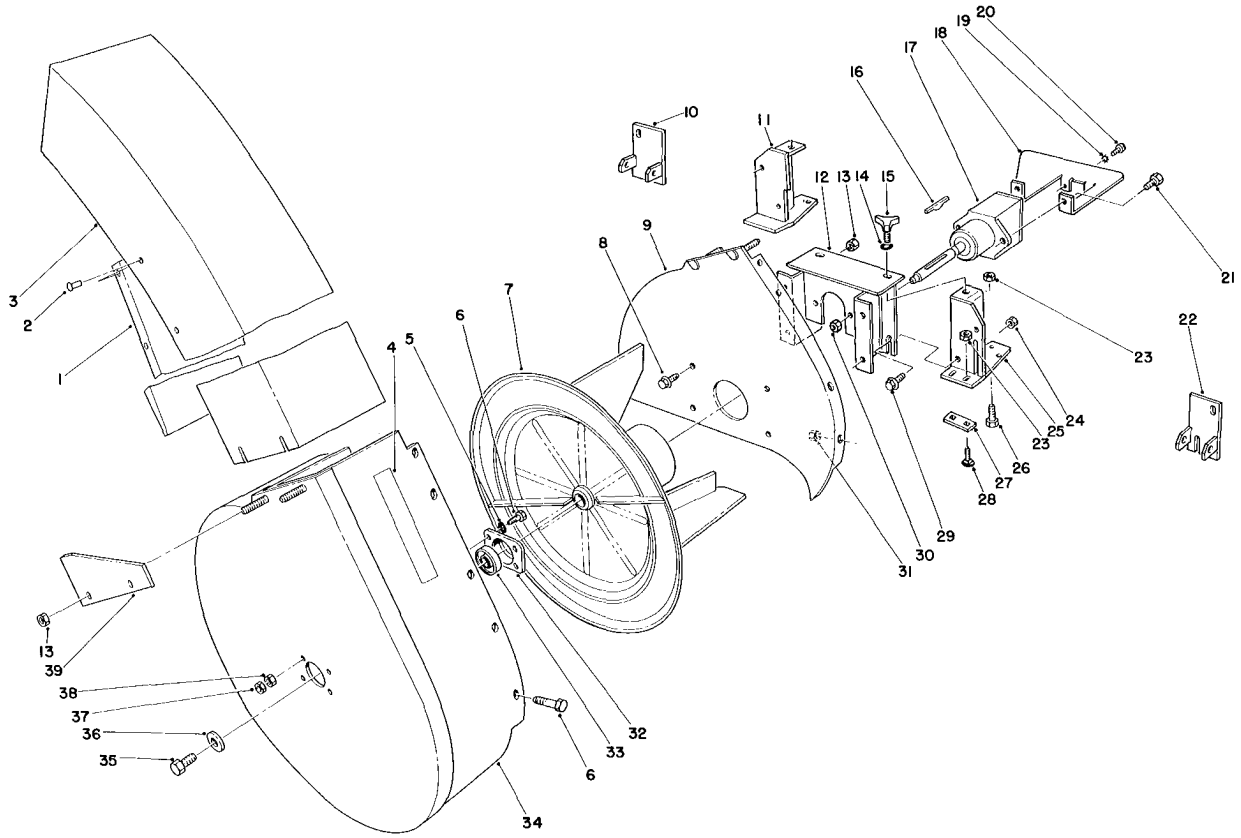
†Parts required when mounting wheel weight 56-5310.

GRASS COLLECTION SYSTEM MODEL NO. 30751 & 30576 (Optional) (Continued)
GEAR BOX ASSEMBLY MODEL NO. 4398-P91



GRASS COLLECTION SYSTEM MODEL NO. 30751 & 30576 (Optional) (Continued)
GEAR BOX ASSEMBLY MODEL NO. 4398-P91

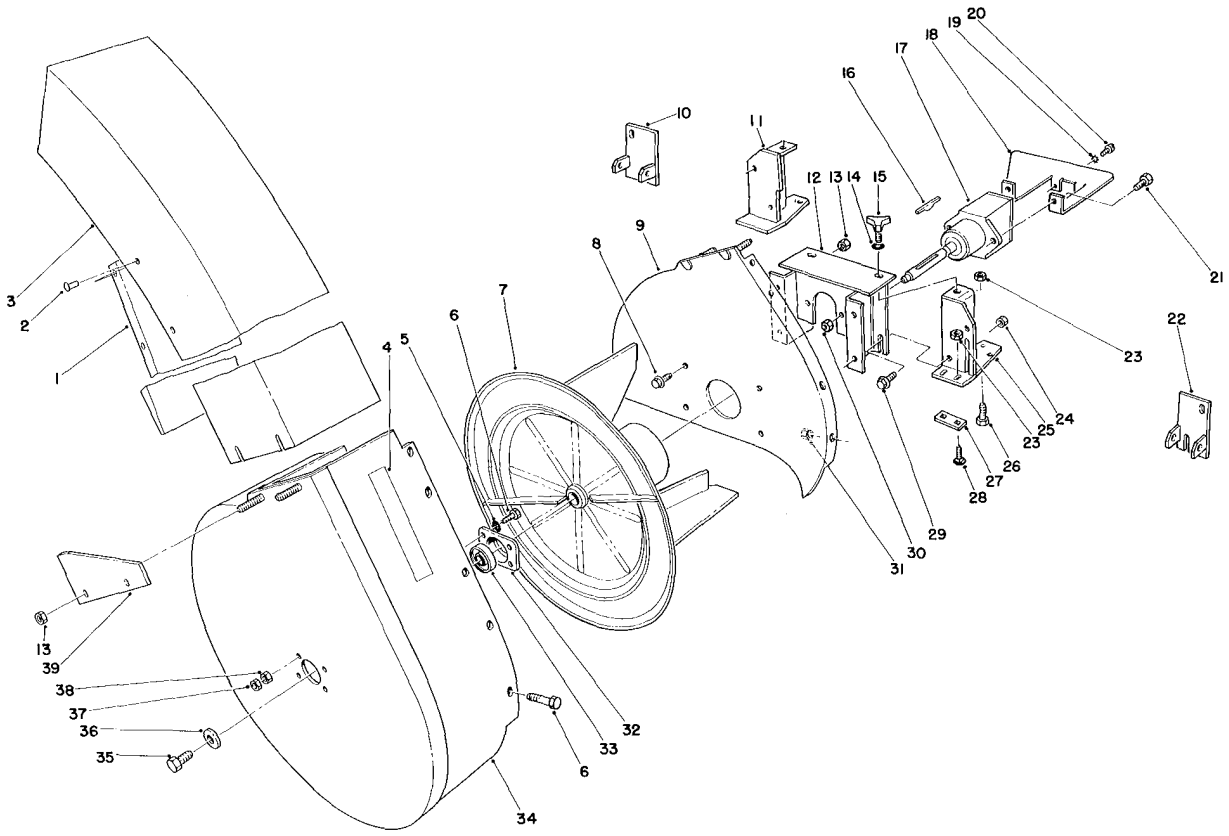
Ref. No.	Part No.	Description	No. Used
1	794402	Head Assembly — Left Hand (Incl. Ref. #2-15)	1
2	770026A	Housing — Right Angle Drive	1
3	778046	Gear — Miter	2
4	776250	Shaft — Input	1
5	776249	Shaft — Output	1
6	772035	Cover	1
7	788028	Gasket — Cover	1
8	780034	Bearing — Ball	3
9	780024	Bearing — Ball	1
10	788019	Ring — Snap	1
11	788018	Ring — Snap	1
12	788029	Seal — Oil	1
13	788030	Gasket — Cap	1
14	792025	Screw — Rd. Hd. Self-Tap	4
15	786029	Cap & Seal Assy. — Retainer (Incl. Ref. #16 & 17)	1
16	788031	Seal — Oil	1
17	792026	Screw — Hex Hd.	4



GRASS COLLECTION SYSTEM MODEL NO. 30576 (Optional)

Ref. No.	Part No.	Description	No. Used
1	56-4630	Deflector — Chute	1
2	3290-409	Rivet	6
3	59-5230	Chute Assembly (Incl. Ref. #1 & 2)	1
4	43-1110	Decal — Warning	1
5	3254-8	Washer — Lock	4
6	321-3	Screw — Hex. Hd.	13
7	56-4780	Impeller	1
8	3234-5	Screw — Flange	4
9	59-5070	Mounting Plate	1
10	59-4980	Pivot Bracket — Deflector L.H.	1
11	59-5050	Bracket L.H.	1
12	59-5140	Blower Mount	1

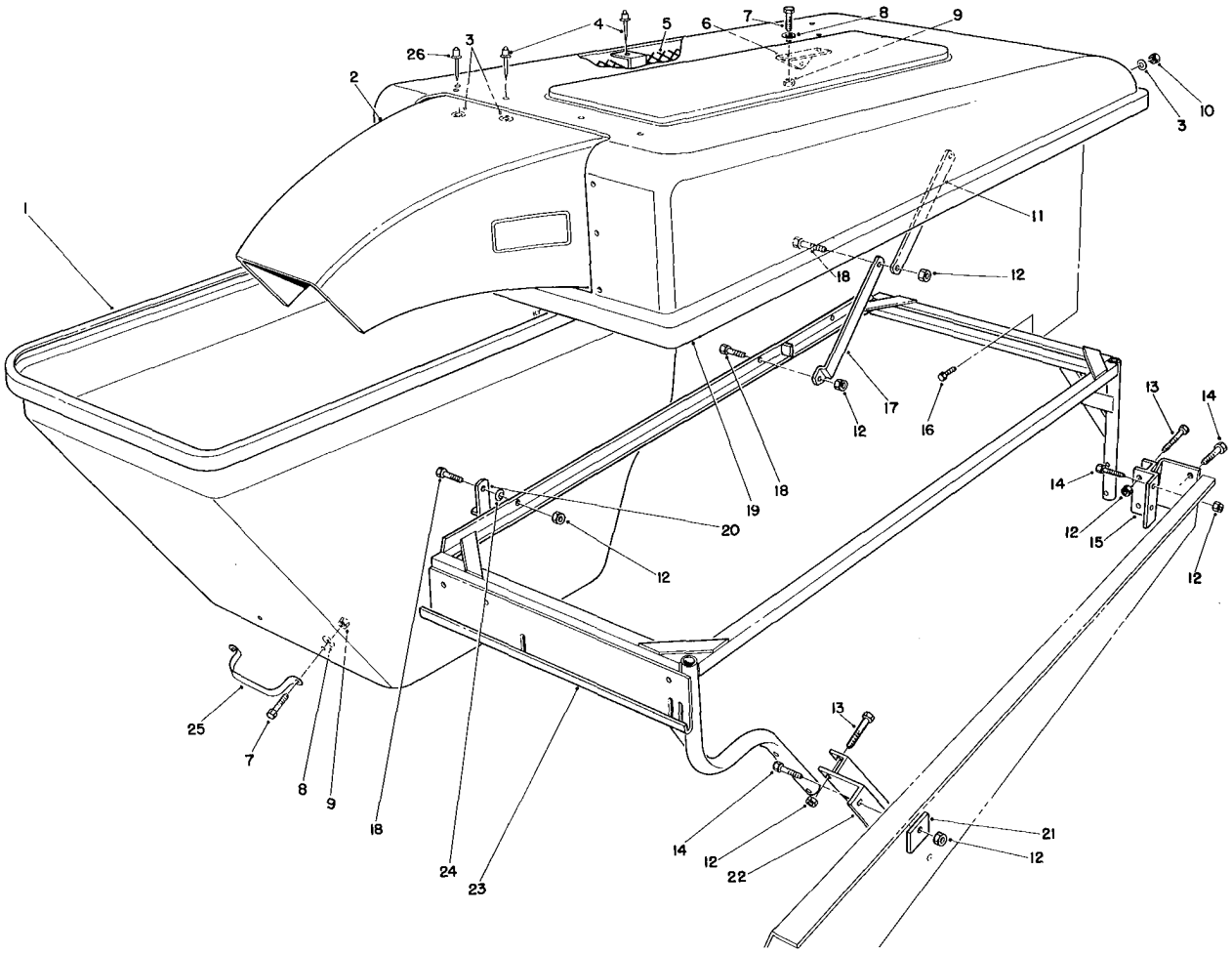
Ref. No.	Part No.	Description	No. Used
13	3296-29	Nut	8
14	3256-24	Washer	2
15	62-6520	Knob	2
16	3257-40	Key — Hi Pro	1
17	53-4530	Gear Box Assembly	1
18	59-5150	Cover — Gear Box	1
19	3255-17	Washer — Lock	2
20	3290-134	Screw — Machine	2
21	323-7	Screw — Hex. Hd.	2
22	59-5000	Pivot Bracket — Deflector R.H.	1
23	32152-1	Nut — Lock	6
24	3218-3	Nut — Jam	2
25	59-5090	Bracket R.H.	1



GRASS COLLECTION SYSTEM MODEL NO. 30576 (Optional) (Continued)

Ref. No.	Part No.	Description	No. Used
26	322-3	Capscrew	2
27	44-5460	Plate — Bracket L.H.	2
28	3230-1	Bolt — Carriage	4
29	3234-11	Screw — Flange	2
30	3296-44	Nut — Hex	2
31	3296-42	Nut — Hex	9
32	37-6730	Cup — Bearing	1

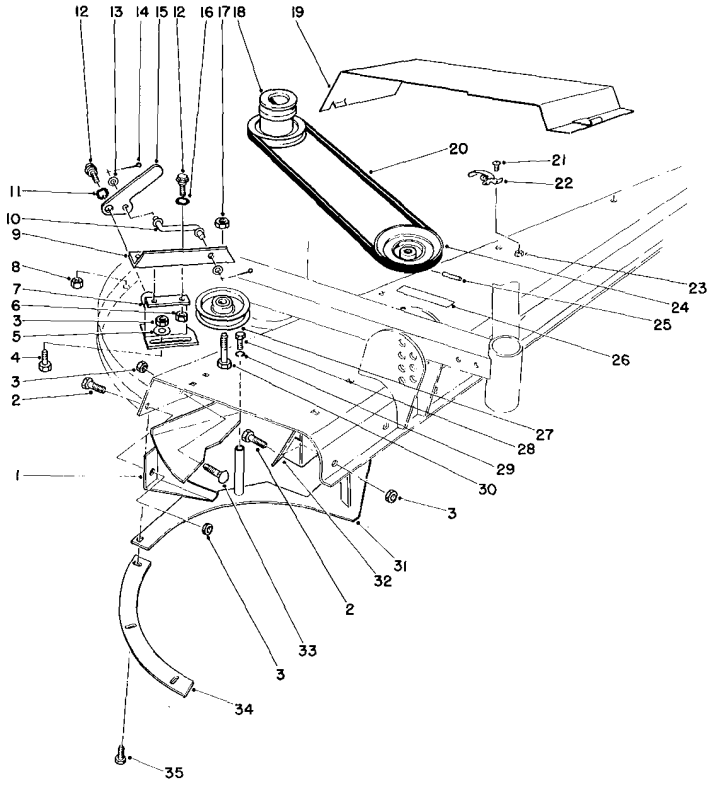
Ref. No.	Part No.	Description	No. Used
33	38-7820	Ball Bearing	1
34	56-4690	Blower Housing	1
35	36-4030	Screw — Hex. Hd.	1
36	43-0940	Spacer — Blower Hub	1
37	3218-1	Nut — Jam	1
38	3217-5	Nut — Hex	4
39	43-0960	Bracket — Chute	2



GRASS COLLECTION SYSTEM MODEL NO. 30576 (Optional) (Continued)

Ref. No.	Part No.	Description	No. Used
1	56-4650	Hopper — Bagger	1
2	59-5210	Snout Bagger	1
3	3256-14	Washer	16
4	3290-409	Rivet	13
5	56-4581	Bagger Screen	1
6	56-4610	Pivot	1
7	321-3	Screw — Hex. Hd.	4
8	3256-55	Washer — Flat	4
9	3296-16	Nut — Lock	4
10	3296-2	Nut — Lock	6
11	56-4670	Link	1
12	3296-29	Nut — Lock	16
13	322-10	Capscrew	5

Ref. No.	Part No.	Description	No. Used
14	322-4	Capscrew	6
15	56-4500	Rear Mounting Bracket	1
16	3290-134	Screw — Hex. Hd.	6
17	56-4680	Link — Bag	1
18	322-3	Screw — Hex. Hd.	5
19	59-5240	Hood — Bagger	1
20	56-4660	Latch — Hopper	2
21	56-5350	Plate — Reinforcing	1
22	56-4530	Front Mounting Bracket	1
23	56-4400	Hopper Frame	1
24	3290-211	Washer — Spring	2
25	3-3468	Handle — Basket	1
26	3269-4	Rivet	2

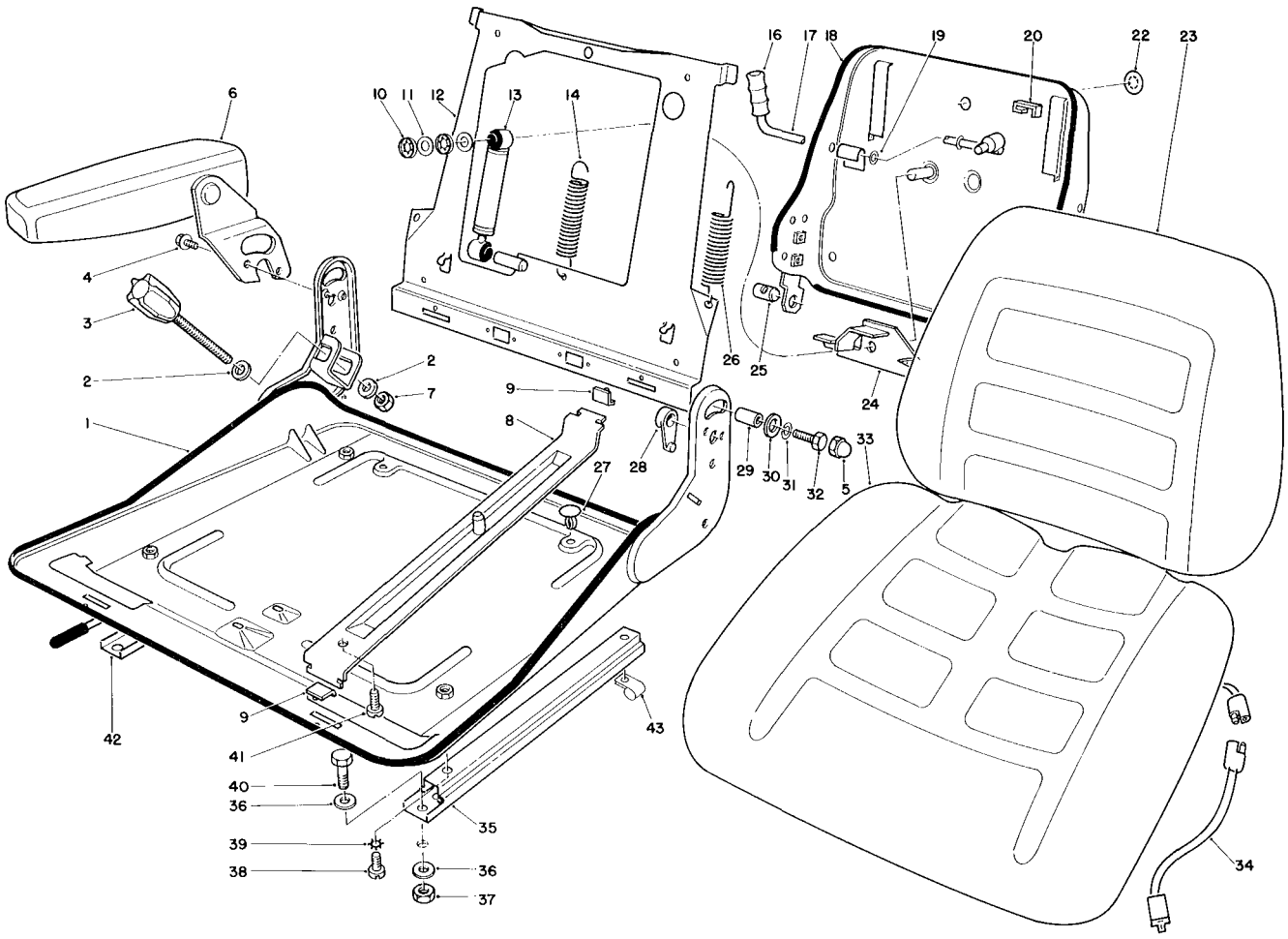


GRASS COLLECTION SYSTEM MODEL NO. 30576 (Optional) (Continued)

Ref. No.	Part No.	Description	No. Used
1	59-5350	Deflector — Rear	1
2	322-4	Screw — Hex. Hd.	3
3	32152-1	Nut — Lock	9
4	322-3	Screw — Hex. Hd.	3
5	3256-56	Washer — Plain	3
6	3296-29	Nut — Hex	2
7	59-4920	Bracket — Idler Mounting	1
8	32152-4	Nut — Lock	4
9	59-4930	Slide — Idler	1
10	59-4940	Idler Rod	1
11	3290-211	Washer — Spring	1
12	19-1470	Bolt — Shoulder	3
13	3256-23	Washer — Plain	2
14	3272-6	Pin — Cotter	2
15	56-4900	Lever — Idler	1
16	23-1120	Washer — Flat	2
17	3296-44	Nut — Hex	1
18	59-5200	Pulley	1
19	59-5260	Cover — Right	1

Ref. No.	Part No.	Description	No. Used
20	59-5270	V-Belt	1
21	3290-321	Machine Screw	2
22	249-21	Latch	1
23	32128-17	Nut — Flange	2
24	56-4810	Pulley — Gear Box	1
25	32121-8	Pin — Roll	1
26	43-1120	Decal — Warning	1
27	56-4920	Pulley — Idler	1
28	323-6	Capscrew	4
29	3253-21	Washer — Lock	4
30	323-7	Screw — Hex. Hd.	1
31	44-7770	Rear Shelf	1
32	46-2350	Front — Deflector	1
33	3230-1	Carriage Bolt	2
34	44-7780	Shelf R.H.	1
35	321-4	Capscrew	4
*	232-45	Extension — Valve	1
*	56-5310	Wheel Weight	1
*	322-19	Capscrew — Hex. Hd.	2

*Not Illustrated

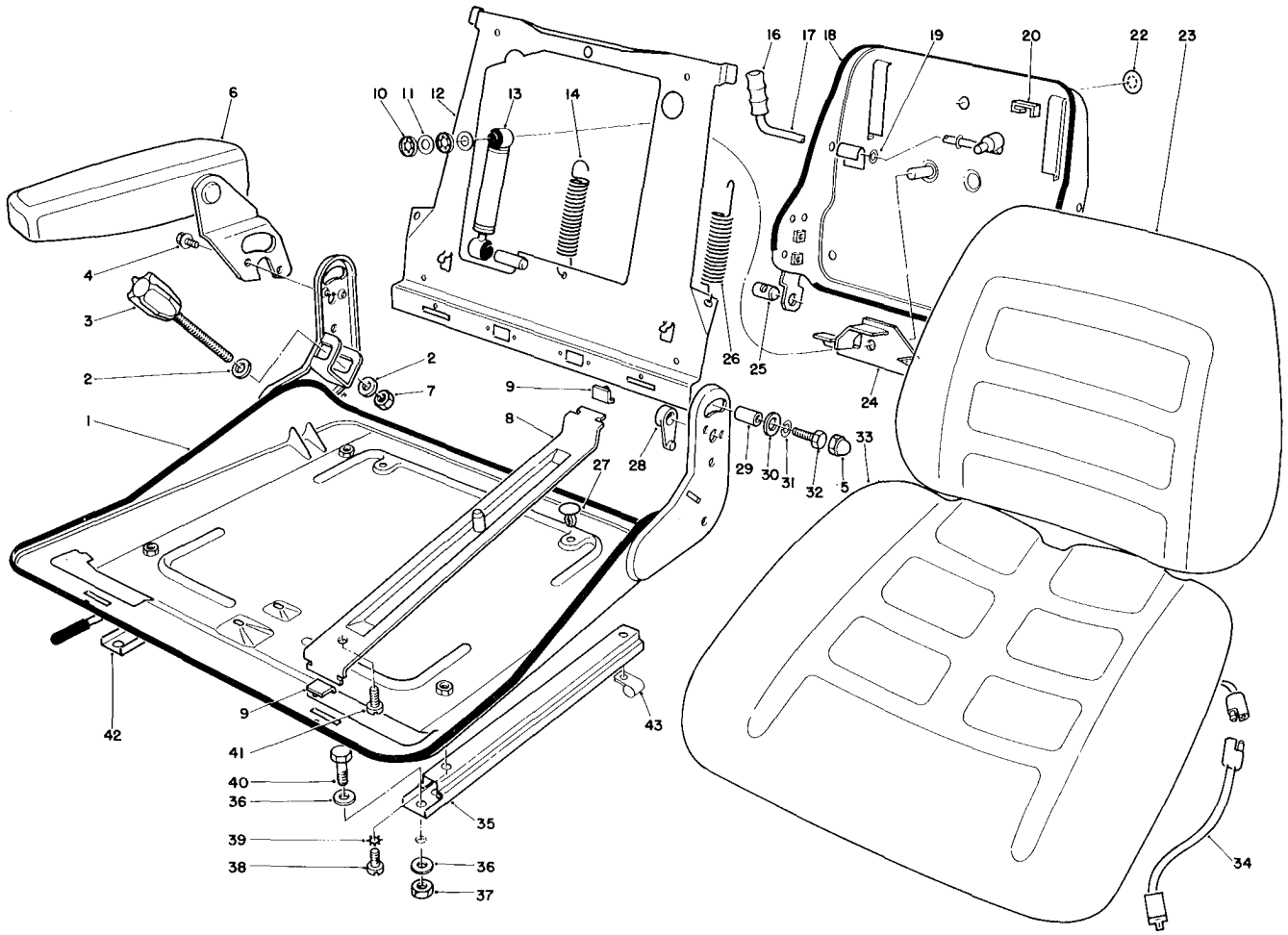


DELUXE SUSPENSION SEAT KIT MODEL NO. 30756 (Optional)

Ref. No.	Part No.	Description	No. Used
1	56-3810	Seat Platform	1
2	56-3880	Washer Flat	2
3	56-3870	Adjustment Knob	1
4	56-3850	Screw — Hex. Hd. Machine	2
5	56-3960	Cover — Screw Hex. Hd. Machine	4
6	55-4331	Arm Rest Assembly R.H.	1
*	55-4330	Arm Rest Assembly L.H.	1
7	56-3890	Nut — Hex	1
8	56-3970	Seat — Carrier	2
9	56-3980	Clip — Rail	4
10	56-4080	Axle Clamp	2
11	56-4090	Washer — Flat 13mm I.D.	2
12	56-4040	Back Plate	1
13	40-4320	Seat Shock Absorber	1
14	56-4050	Extension Spring	1
16	56-4140	Grip — Cover	1
17	56-4150	Lever — Handle	1
18	56-3820	Seat Platform Back	1
19	56-4160	Washer — Flat 10.5mm I.D.	2
20	56-4130	Bumper	2
22	56-4120	Cover	1

Ref. No.	Part No.	Description	No. Used
23	56-3800	Seat Cushion — Back	1
24	56-4100	Lever — Bracket	1
25	56-4170	Clevis — Pin	1
26	56-4060	Extension — Spring	1
27	56-4190	Seat Cap	2
28	56-3900	Spacer Arm Left	1
*	56-3910	Spacer Arm Right	1
29	56-3920	Bushing	4
30	56-3930	Washer — Flat	4
31	56-3940	Washer — Lock 8.4mm	4
32	56-3950	Capscrew — Hex. Hd. 12mm x 25mm Lg.	4
33	56-3790	Seat Cushion — Bottom	1
34	55-8380	Jumper Wire Assembly	1
35	56-4000	Bottom Rail Assembly L.H.	1
36	3256-23	Washer — Flat	8
37	3296-29	Nut — Lock	4
38	56-4020	Machine Screw 8mm x 12mm Lg.	4
39	56-4030	Washer — Lock 8.2mm I.D.	4
40	322-5	Capscrew	4

*Not Illustrated

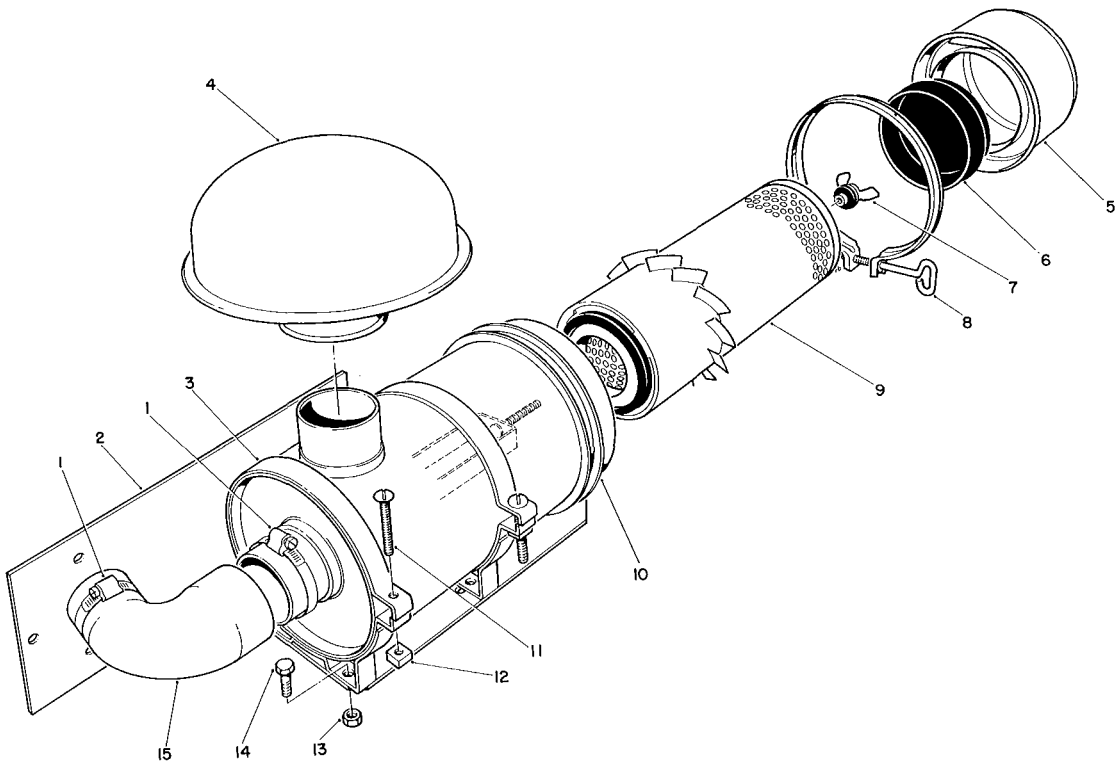


DELUXE SUSPENSION SEAT KIT MODEL NO. 30756 (Optional) (Cont.)

Ref. No.	Part No.	Description	No. Used
41	56-3990	Machine Screw 8mm x 16mm Lg.	2
42	56-4010	Bottom Rail Assembly R.H.	1

Ref. No.	Part No.	Description	No. Used
43	2412-67	R-Clamp	1
*	55-8420	Seat Assembly (Incl. Ref. #1-3, 5, 7-33, 35, 38-39 & 41-42)	1

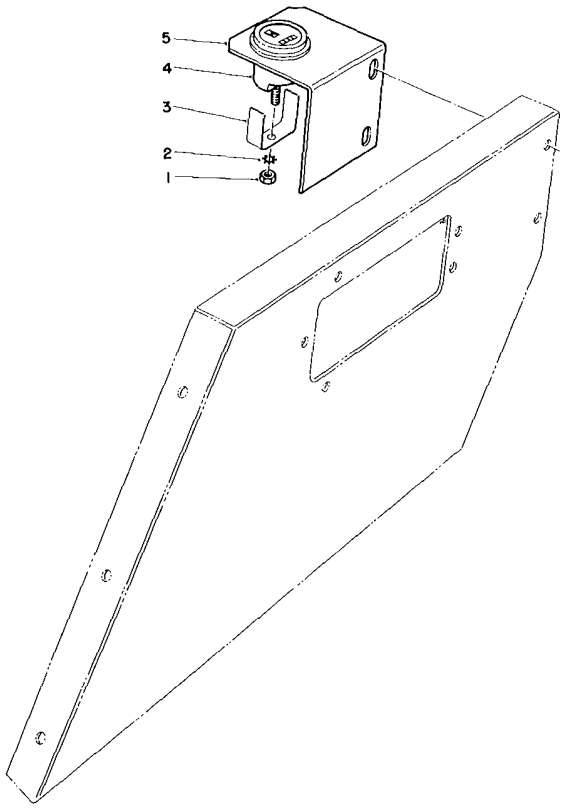
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REMOTE AIR CLEANER KIT NO. 55-8460 (Optional)

Ref. No.	Part No.	Description	No. Used
1	2412-92	Hose Clamp	2
2	55-4280	Bracket — Mounting — Remote Air Cleaner	1
3	33-1350	Band Assembly Mounting	2
4	46-7510	Hood — Air Inlet	1
5	33-1320	Cup Assembly	1
6	33-1310	Baffle	1
7	33-1330	Nut Assembly	1
8	33-1340	Clamp Assembly	1

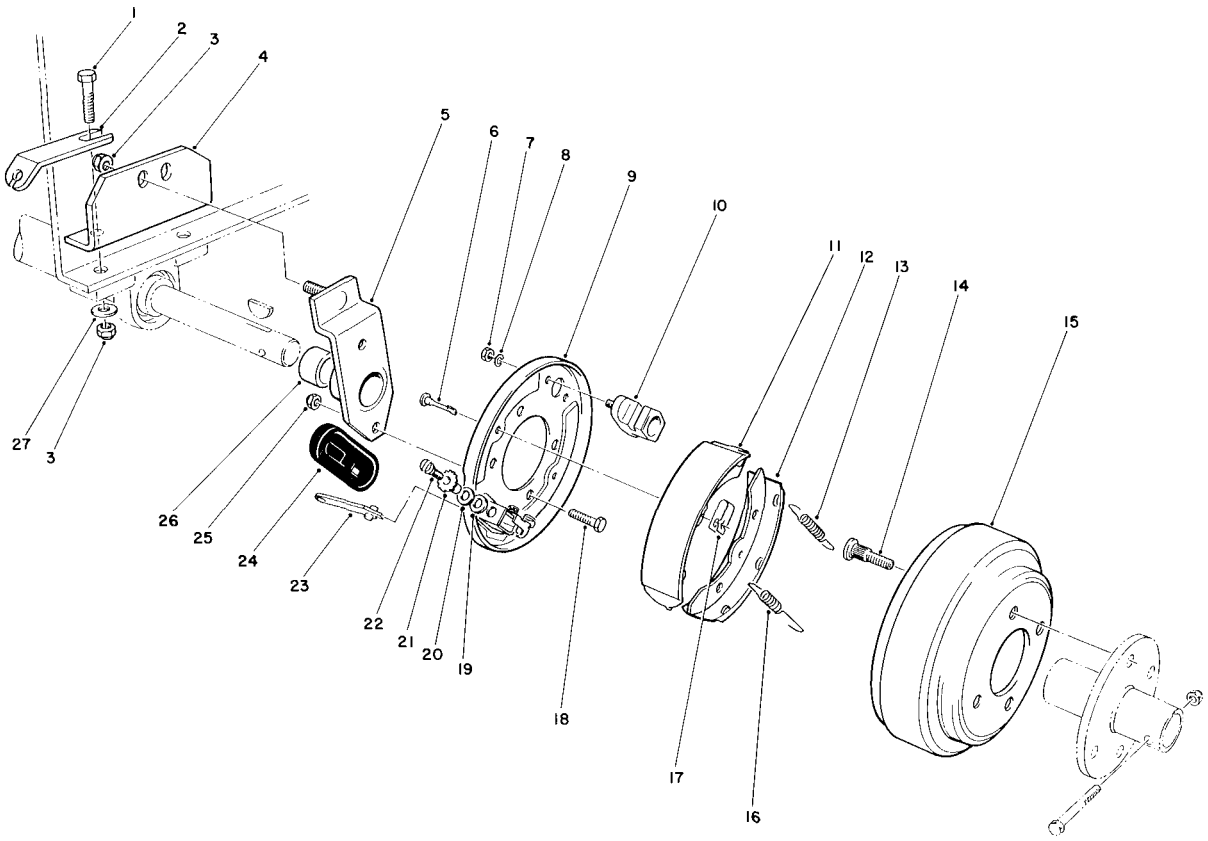
Ref. No.	Part No.	Description	No. Used
9	33-1300	Element Assembly	1
10		Body Assembly	1
11	3258-19	Screw — Machine	2
12	32107-11	Nut — Square	2
13	3296-29	Nut	4
14	322-2	Capscrew	4
15	55-4240	Hose	1
	11-4659	Air Cleaner Assembly (Incl. Ref. #3-12)	1



HOUR METER KIT NO. 55-8450 (Optional)

Ref. No.	Part No.	Description	No. Used
1	3217-26	Nut — Hex	1
2	3254-1	Washer — Lock External Tooth	1
3	218-515	Bracket — Mounting	1

Ref. No.	Part No.	Description	No. Used
4	12-9990	Hour Meter (Inc. Ref. #1-3)	1
5	54-1190	Bracket — Hour Meter	1

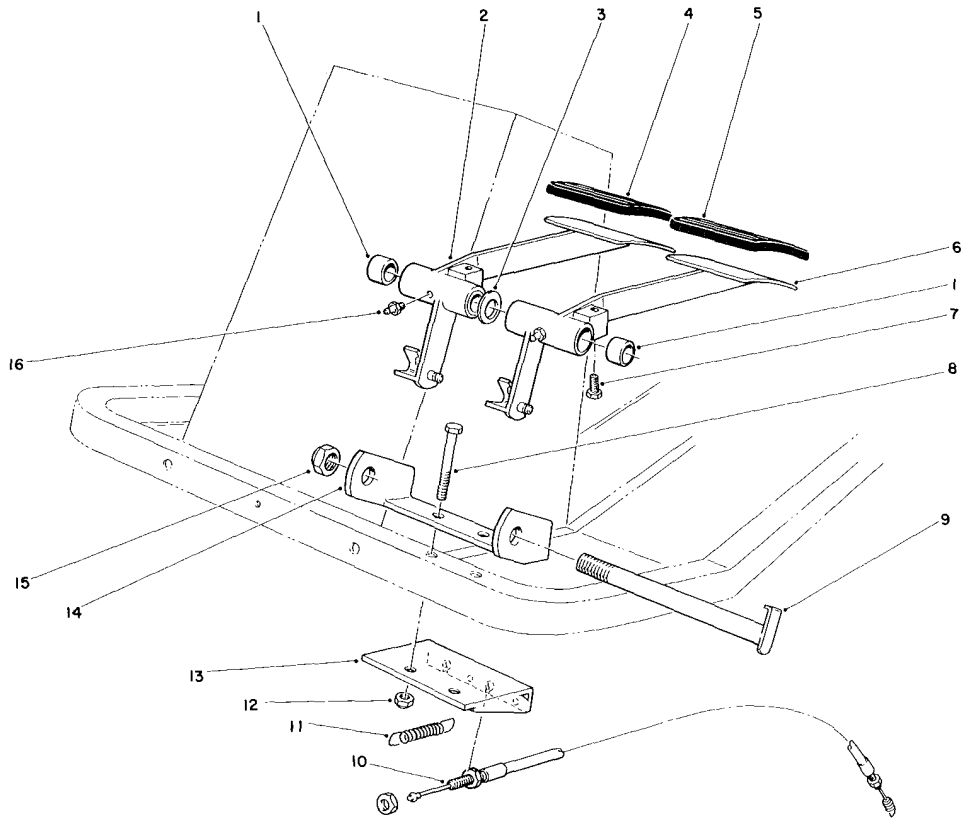


BRAKE KIT MODEL NO. 30758 (Optional)

Ref. No.	Part No.	Description	No. Used
1	323-9	Screw — Cap Hex. Hd.	4
2	56-3650	Bracket — Cable Lower	2
3	3296-44	Nut — Lock	6
4	56-3660	Bracket — Brake Mounting	2
5	56-3680	Brake Bracket Assembly (Incl. Ref. #26)	2
6	56-3480	Pin — Tension	4
7	56-3520	Nut — Hex	4
8	56-3510	Washer — Lock	4
9	56-3420	Plate Assembly — L.H.	1
*	56-3410	Plate Assembly — R.H.	1
10	56-3460	Body — Anchor	2
11	56-3440	Shoe — Leading	2
12	57-0830	Shoe — Trailing	2
13	56-3450	Spring — Brake Upper	2
14	242-77	Stud — Wheel	8

Ref. No.	Part No.	Description	No. Used
15	53-4640	Drum — Brake	2
16	57-0820	Spring — Brake Lower	2
17	56-3470	Spring — Shoe Clamp	4
18	322-4	Screw — Cap Hex. Hd.	4
19	57-0880	Washer	2
20	57-0890	Washer — Thrust	2
21	57-0850	Nut — Adjuster L.H.	1
*	57-0840	Nut — Adjuster R.H.	1
22	57-0870	Bolt — Adjuster L.H.	1
*	57-0860	Bolt — Adjuster R.H.	1
23	57-0810	Lever — L.H.	1
*	56-3430	Lever — R.H.	1
24	56-3490	Cover — Dust	2
25	3296-29	Nut — Lock	4
26	256-278	Bushing	2
27	3256-3	Washer — Flat	4

*Not Illustrated

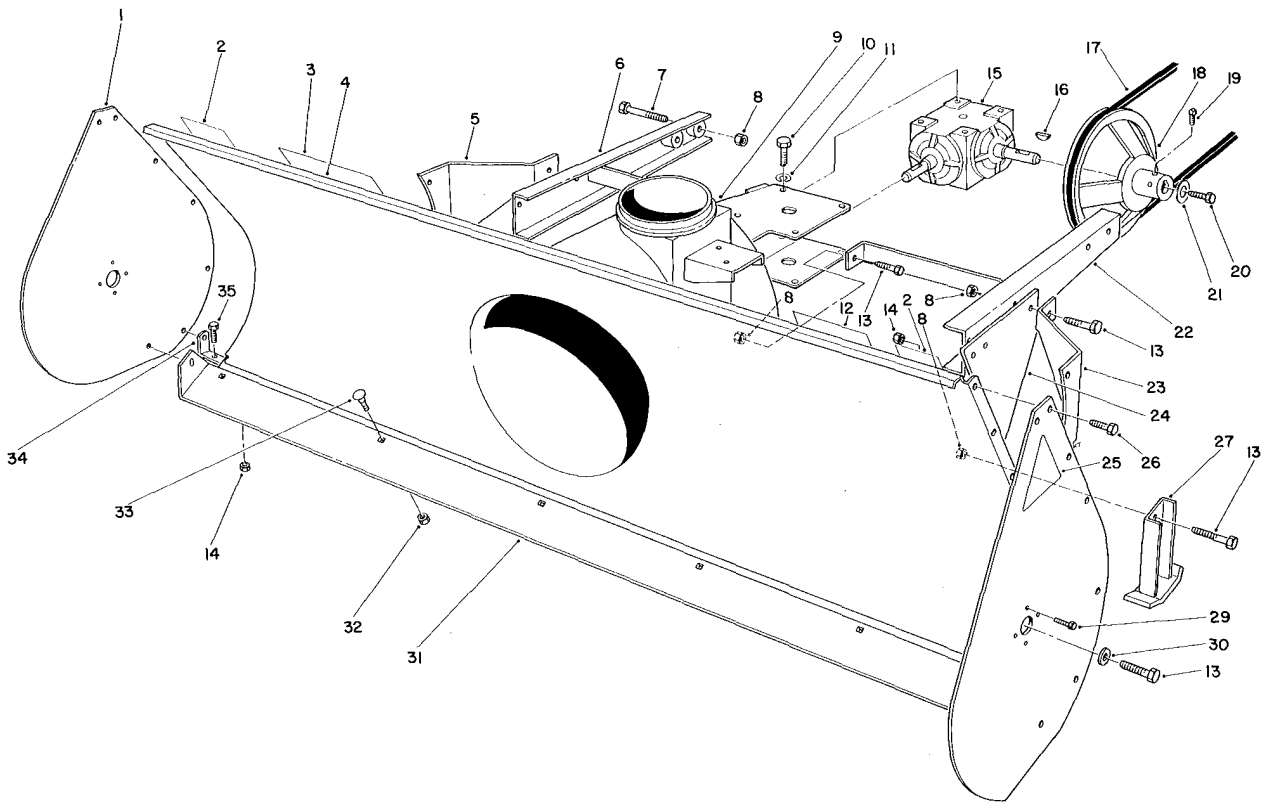


BRAKE KIT MODEL NO. 30758 (Optional) (Continued)

Ref. No.	Part No.	Description	No. Used
1	256-42	Bushing	4
2	56-3540	Brake Pedal Assembly — R.H. (Incl. Ref. #1 & 16)	1
3	3256-69	Washer — Flat	1
4	27-7580	Pad — Right	1
5	27-7570	Pad — Left	1
6	56-3530	Brake Pedal Assembly — L.H. (Incl. Ref. #1 & 16)	1
7	30-1070	Screw — Cap Hex. Hd.	2
8	323-11	Screw — Cap Hex. Hd.	2

Ref. No.	Part No.	Description	No. Used
9	56-3590	Pin — Brake	1
10	56-3641	Cable Assembly — L.H.	1
*	56-3640	Cable Assembly — R.H.	1
11	56-3670	Spring — Tension	2
12	3296-44	Nut — Lock	2
13	56-3610	Bracket — Cable Upper	1
14	56-3580	Bracket — Brake Pedal	1
15	3296-33	Nut — Lock	1
16	302-5	Fitting — Grease	2

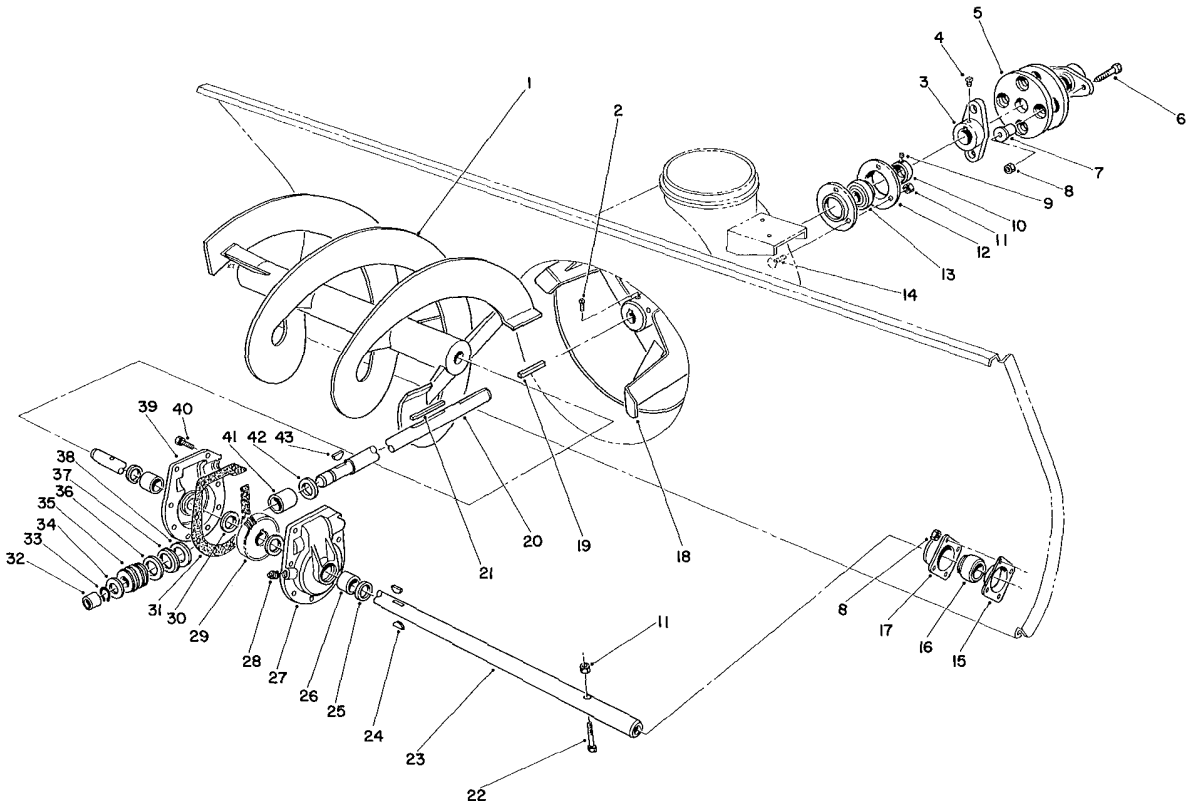
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44" SNOW THROWER MODEL NO. 30761 (Optional)

Ref. No.	Part No.	Description	No. Used
1	57-3510	Plate — Side	2
2	53-7670	Decal — Auger Danger	2
3	61-8510	Decal — Warning	1
4	57-3390	Housing — Auger	1
5	57-3570	Plate — Extension R.H.	1
6	57-3710	Extension Bar	1
7	323-12	Capscrew — Hex. Hd.	4
8	3296-39	Locknut	16
19	25-5170	Ring — Chute	1
10	323-4	Capscrew — Hex. Hd.	8
11	3254-6	Lockwasher	8
12	61-8490	Decal — Rear Weight	1
13	323-6	Capscrew — Hex. Hd.	10
14	3296-29	Locknut	20
15	61-8650	Gear Box	1
16	3257-5	Key — Woodruff	2
17	57-3650	Belt	1

Ref. No.	Part No.	Description	No. Used
18	57-3640	Pulley — Drive	1
19	3242-4	Set Screw	2
20	30-1070	Capscrew — Hex. Hd.	1
21	3256-57	Washer	1
22	57-3520	Extension Bar	1
23	57-3560	Plate — Extension L.H.	1
24	57-3550	Plate — Skid Mount	2
25	17-6500	Decal — Auger Sideplate	2
26	322-5	Capscrew — Hex. Hd.	18
27	57-3580	Skid	2
29	321-3	Capscrew — Hex. Hd.	8
30	3-0750	Washer — Flat	2
31	57-3470	Blade — Scraper	1
32	3296-16	Locknut	6
33	3229-25	Bolt — Carriage	6
34	57-9890	Bracket — Blade Support	2
35	322-3	Capscrew — Hex. Hd.	2

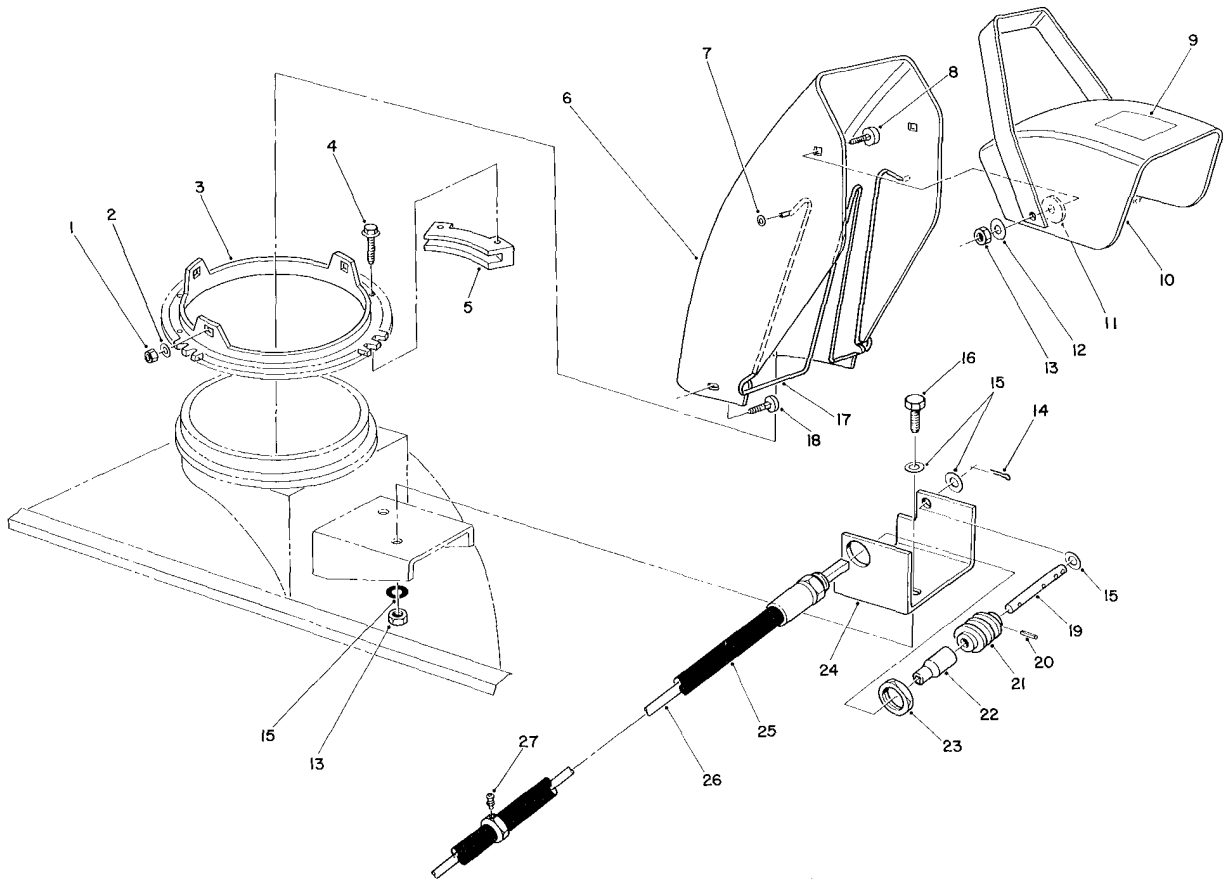


44" SNOW THROWER MODEL NO. 30761 (Optional) (Continued)

Ref. No.	Part No.	Description	No. Used
1	57-3300	Auger — R.H.	1
*	57-3370	Auger — L.H.	1
2	3242-4	Screw — Set	2
3	61-4000	Hub	2
4	3241-5	Screw — Set	4
5	44-2230	Coupling — Rubber	2
6	321-9	Capscrew — Hex. Hd.	4
7	27-6601	Spacer — Coupling	4
8	3296-16	Locknut	12
9	3245-32	Screw — Set	2
10	251-231	Collar — Locking	1
11	3296-29	Locknut	5
12	251-229	Flange — Bearing	2
13	251-224	Bearing — Impeller	1
14	3230-1	Bolt — Carriage	3
15	20-1000	Flange — Bearing Rear	2
16	20-0980	Bearing	2
17	20-0990	Flange — Bearing Front	2
18	19-8890	Impeller	1
19	21-5070	Key — Square	1
20	57-3490	Shaft — Impeller	1
21	6-8590	Key — Impeller	1
22	322-14	Bolt — Auger	2
23	57-3500	Shaft — Auger	1

Ref. No.	Part No.	Description	No. Used
24	3257-33	Key — Woodruff	2
25	7-0045	Seal — Oil	2
26	256-237	Bushing	2
27	37-8860	Gear Case & Bushing Assy. (Incl. Ref. #25 & 26)	1
28	281-1	Pipe Plug	1
29	5-7180	Gear — Worm	1
30	252-71	Bear — Thrust	2
31	51-0460	Gasket	1
32	256-32	Bushing	1
33	32120-72	Ring — Retaining	1
34	3-8664	Washer — Thrust	1
35	5-7170	Worm	1
36	252-77	Washer — Thrust	1
37	252-76	Bearing — Thrust	1
38	252-78	Washer — Thrust	1
39	37-8850	Gear Case & Bushing Assy. (Incl. Ref. #25 & 26)	1
40	32144-41	Screw — Thread Forming	8
41	20-3210	Bushing	1
42	237-87	Seal	1
43	3257-23	Key — Woodruff	1
*	57-3480	Gear Box Complete	1

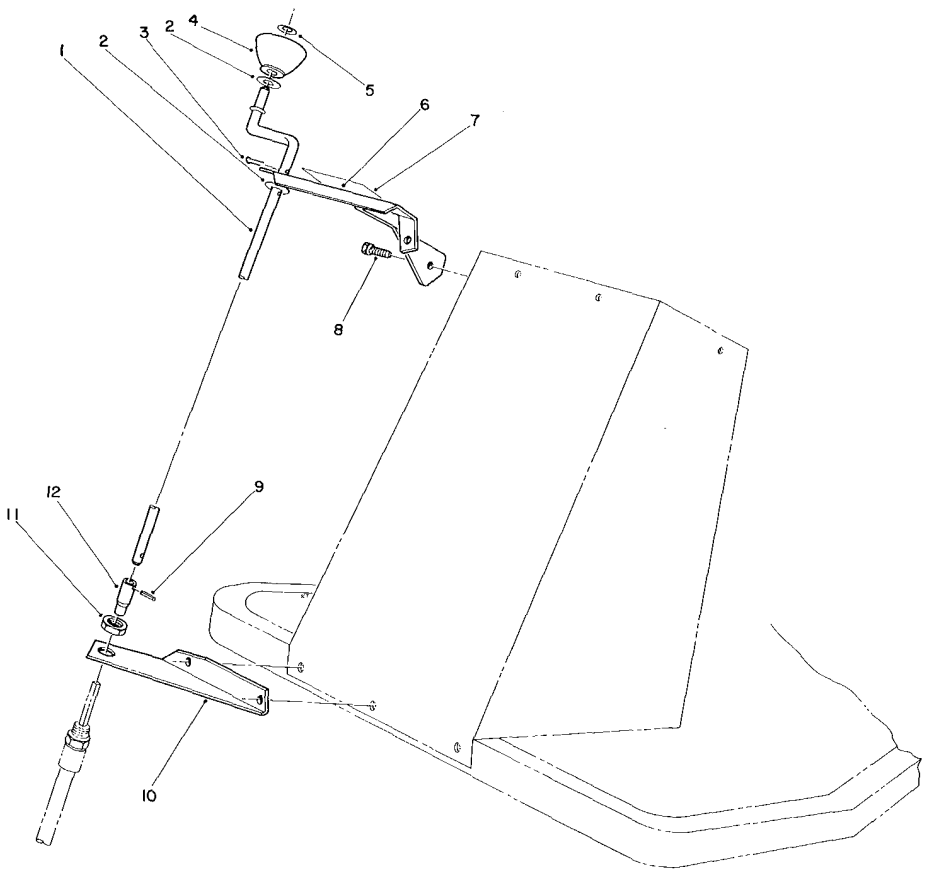
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44" SNOW THROWER MODEL NO. 30761 (Optional) (Continued)

Ref. No.	Part No.	Description	No. Used
1	3296-29	Locknut	3
2	3256-23	Washer	3
3	25-5290	Ring — Chute Swivel	1
4	27-0220	Screw — Special	6
5	25-5450	Chute — Retainer	3
6	56-2600	Chute — Upper	1
7	3290-326	Nut — Push	2
8	3231-27	Bolt — Carriage	2
9	55-9650	Decal — Discharge Danger	1
10	11-7120	Deflector	1
11	20-4320	Washer — Rubber	2
12	3290-340	Washer — Belleville	2
13	3296-34	Locknut	4
14	3272-10	Pin — Cotter	2

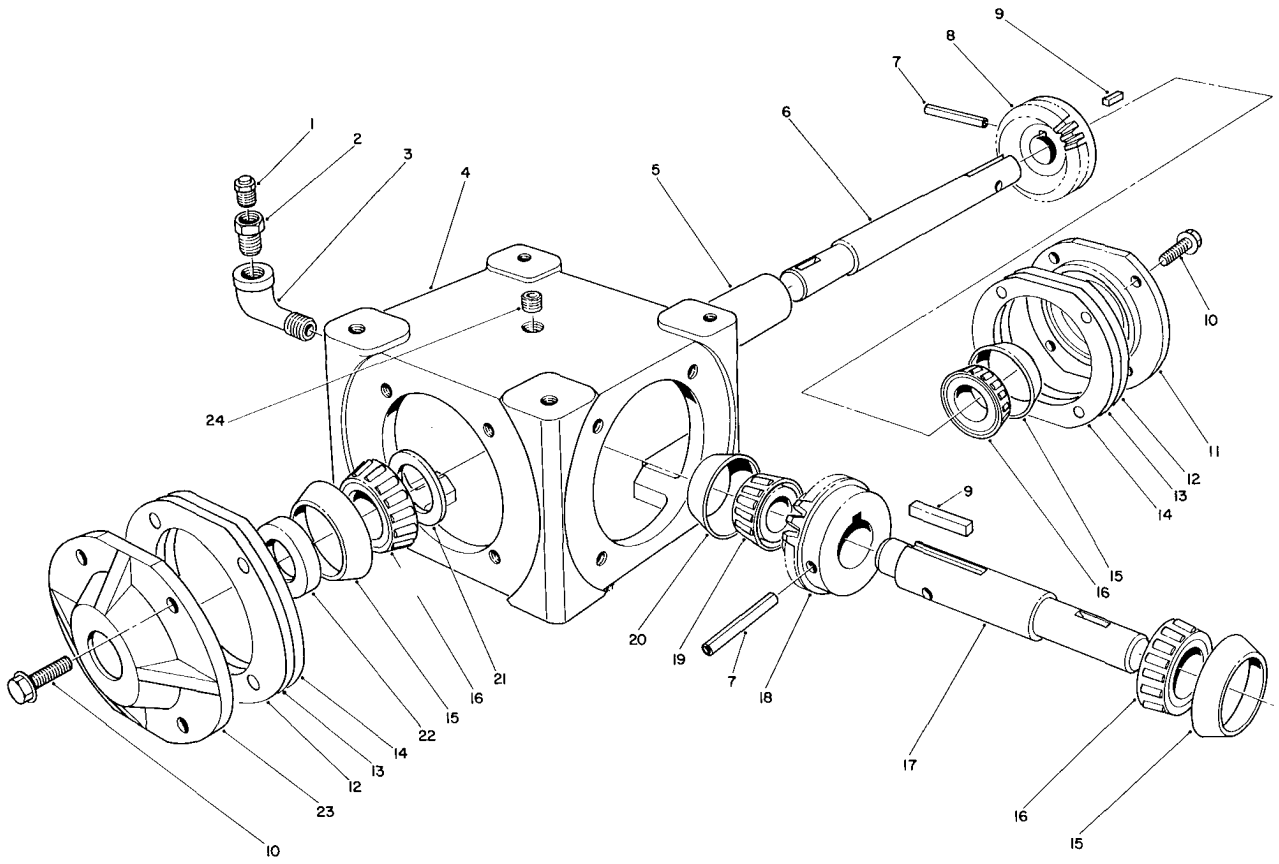
Ref. No.	Part No.	Description	No. Used
15	3256-24	Washer — Flat	6
16	323-6	Screw — Cap	2
17	54-9770	Wire — Chute	1
18	3230-18	Bolt — Carriage	3
19	61-4950	Shaft — Worm Gear	1
20	32121-50	Pin — Roll	2
21	8-8600	Gear — Worm	1
22	61-4940	Coupler	1
23	353-955	Locknut	1
24	61-4930	Bracket — Worm Gear	1
25	61-4870	Hose Assembly	1
26	61-8520	Shaft — Flexible	1
27	302-52	Fitting — Grease	1



44" SNOW THROWER MODEL NO. 30761 (Optional) (Continued)

Ref. No.	Part No.	Description	No. Used
1	61-4900	Rod — Chute Control	1
2	3256-24	Washer — Flat	3
3	3272-10	Pin — Cotter	2
4	61-4890	Knob	1
5	3290-320	Cap — Push	1
6	61-4920	Bracket — Top	1

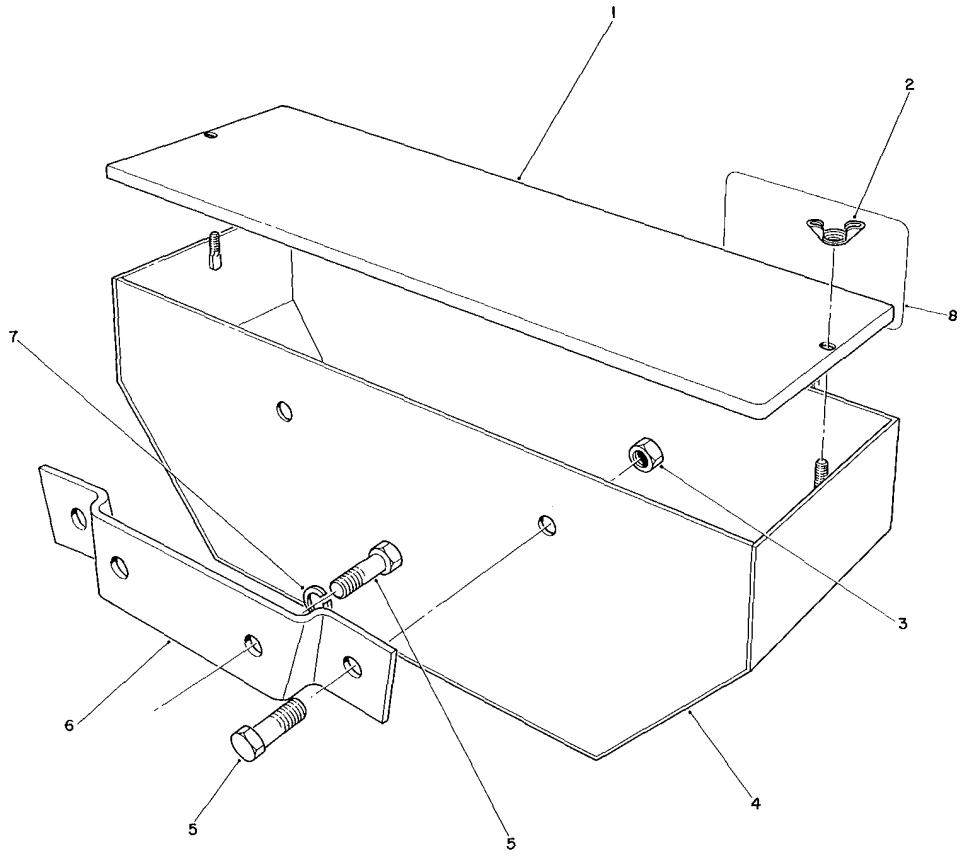
Ref. No.	Part No.	Description	No. Used
7	61-8500	Decal — Chute Rotation	1
8	321-4	Capscrew — Hex. Hd.	2
9	32121-50	Pin — Roll	1
10	61-4910	Bracket — Bottom	1
11	353-955	Locknut	1
12	61-4940	Coupler	1



44" SNOW THROWER MODEL NO. 30761 (Optional) (Continued)

Ref. No.	Part No.	Description	No. Used
1	62-3520	Valve — Pressure Relief	1
2	62-3550	Bushing — Reducer	1
3	62-3540	Elbow — Street	1
4	62-3300	Housing	1
5	62-3480	Spacer	1
6	62-3460	Shaft	1
7	62-3510	Pin — Roll	2
8	62-3500	Gear	1
9	62-3380	Key	2
10	62-3310	Capscrew — Sems	12
11	62-3320	Cap	1
12	62-3420	Gasket (.015)	A/R

Ref. No.	Part No.	Description	No. Used
13	62-3430	Gasket (.005)	A/R
14	62-3440	Gasket (.003)	A/R
15	62-3340	Cup — Bearing	3
16	62-3330	Cone — Bearing	3
17	62-3390	Shaft	1
18	62-3350	Gear	1
19	62-3370	Cone — Bearing	1
20	62-3360	Cup — Bearing	1
21	62-3470	Washer	1
22	62-3400	Seal	2
23	62-3410	Cap	2
24	62-3490	Plug — Pipe	1

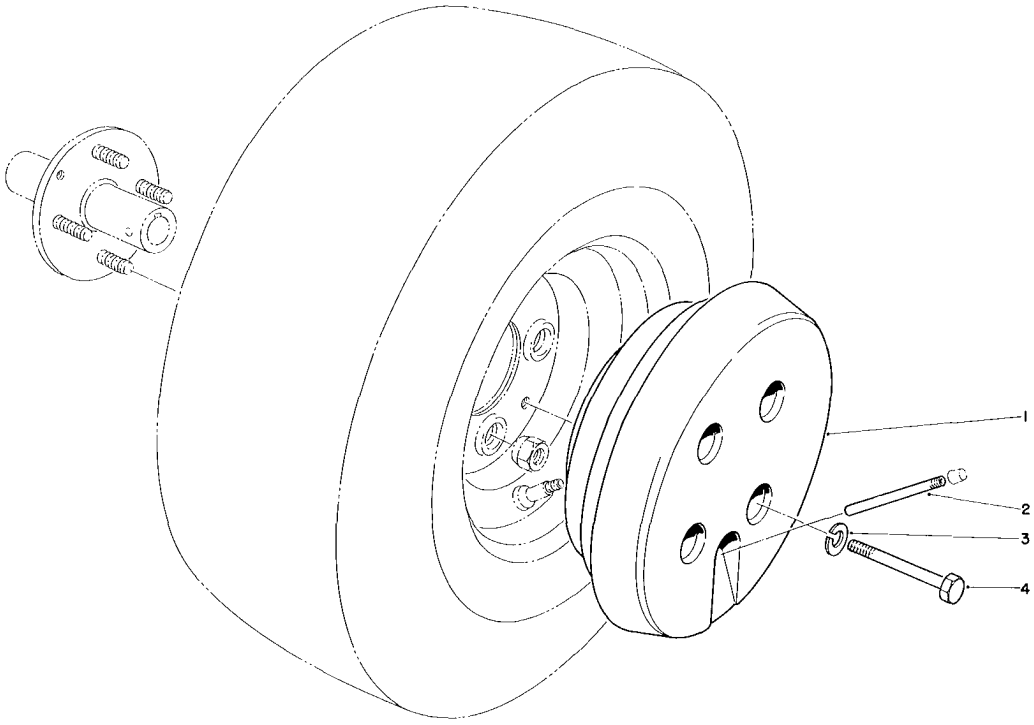


44" SNOW THROWER MODEL NO. 30761 (Optional) (Continued)

Ref. No.	Part No.	Description	No. Used
1	61-4130	Cover — Weight Box	1
2	32103-2	Nut — Wing	2
3	3296-25	Locknut	2
4	61-4090	Box — Weight	1
5	325-5	Capscrew — Hex. Hd.	4

Ref. No.	Part No.	Description	No. Used
6	61-4140	Bracket — Mount	1
7	3253-7	Lockwasher	2
8	43-5110	Decal	1
*	40-0590	Reflector	2
*	56-6630	Kit — Tire Chain (Optional)	1

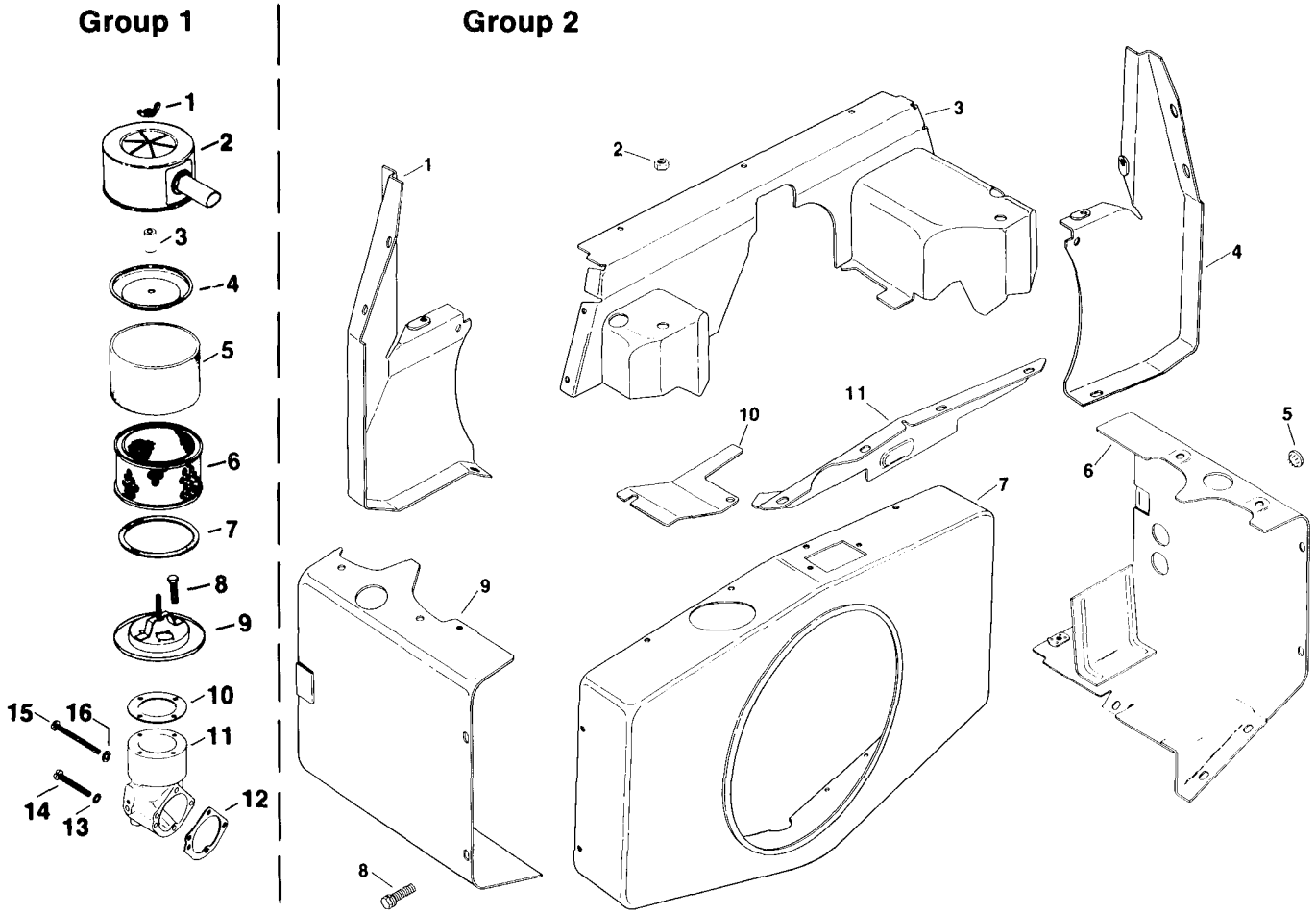
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WHEEL WEIGHT KIT MODEL NO. 56-6620 (Optional)
(For 44" SNOW THROWER MODEL NO. 30761)

Ref. No.	Part No.	Description	No. Used
1	56-5310	Weight — Wheel	2
2	232-45	Extension — Valve	2

Ref. No.	Part No.	Description	No. Used
3	3253-4	Lockwasher	4
4	322-19	Capscrew — Hex. Hd.	4

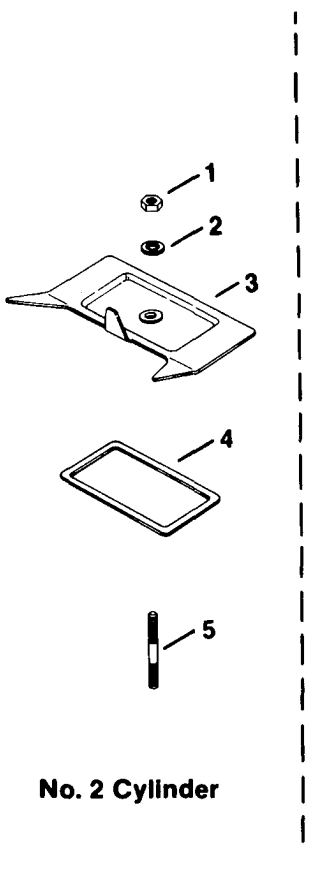


ENGINE KOHLER MODEL NO. KT17QS TYPE NO. 24324

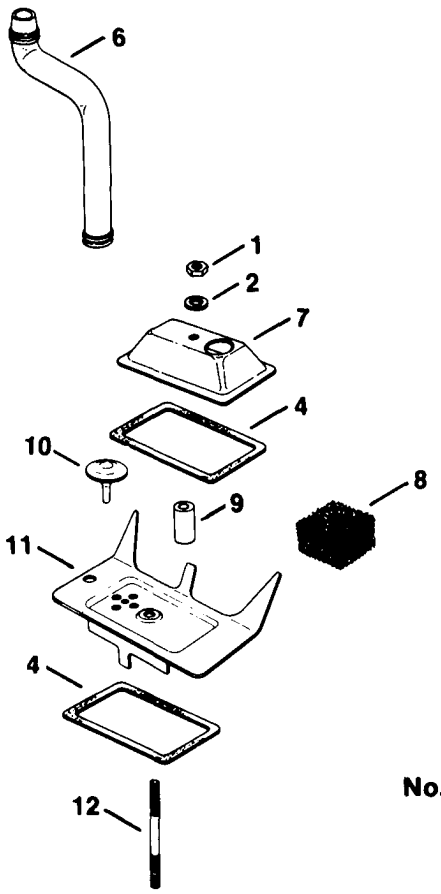
Ref. No.	Part No.	Description	No. Used
		AIR INTAKE — Group 1	
1	X-276-7	Nut — Wing	1
2	52 096 26	Cover — Air Cleaner	1
3	231032	Seal — Element Cover	1
4	52 082 04	Cover — Air Cleaner Element	1
5	45 083 01	Precleaner	1
6	45 083 02	Element	1
7	237423	Seal — Air Cleaner Cover	1
8	X-67-98	Screw — H.C.	4
9	52 201 06	Base — Air Cleaner	1
10	277093	Gasket — Air Cleaner	1
11	52 054 15	Elbow — Air Intake	1
12	277069	Gasket — Elbow	1
13	X-22-9	Washer — Lock	2
14	X-50-57	Screw — R.H.M.	2
15	X-50-37	Screw — R.H.M.	1

Ref. No.	Part No.	Description	No. Used
16	X-25-79	Washer — Plain	1
	25 113 01	Decal — Air Cleaner	1
		BAFFLES & SHROUD — Group 2	
1	52 281 09	Duct — #2 Side, Air	1
2	X-82-2	Nut — Hex	2
3	52 282 01	Cover — Air Duct	1
4	52 281 14	#1 Side — Air Duct	1
5	X-301-8	Plug — Button	2
6	52 063 24	Baffle — #1 Cylinder Head	1
7	52 027 09	Housing Blower	1
8	X-67-83	Screw — Hex Washer Head	28
9	52 124 30	Baffle — #2 Cylinder Head w/Rear Cylinder Baffle	1
10	52 063 01	Baffle — #2 Cylinder Top	1
11	52 217 01	Support — Upper Housing	1

Group 3



No. 2 Cylinder



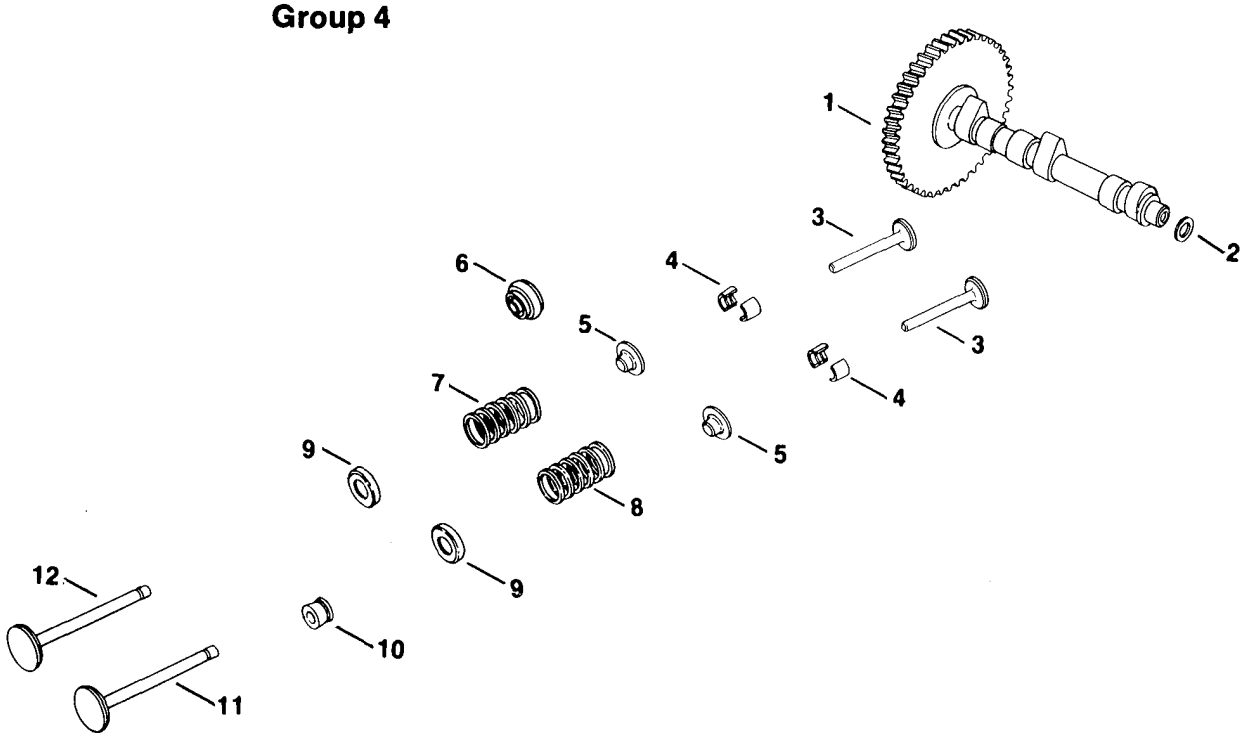
No. 1 Cylinder

ENGINE KOHLER MODEL NO. KT17QS TYPE NO. 24324 (Continued)

Ref. No.	Part No.	Description	No. Used
		BREATHER & VENT — Group 3	
1	X-81-1	Nut — Hex	2
2	X-25-12	Washer — Plain	2
3	52 096 18	Cover — #2 Cylinder Valve	1
4	52 055 01	Gasket — Valve Cover	3
5	X-352-39	Stud — #2 Cyl. Valve Cover	1
6	52 326 05	Hose — Breather	1

Ref. No.	Part No.	Description	No. Used
7	52 096 08	Cover — #1 Upper Cyl. Valve	1
8	231419	Filter — Breather	1
9	52 032 04	Seal — Breather	1
10	52 462 01	Valve — Umbrella	1
11	52 096 22	Cover — #1 Lower Cyl. Valve	1
12	275220	Stud — #1 Cyl. Valve Cover	1

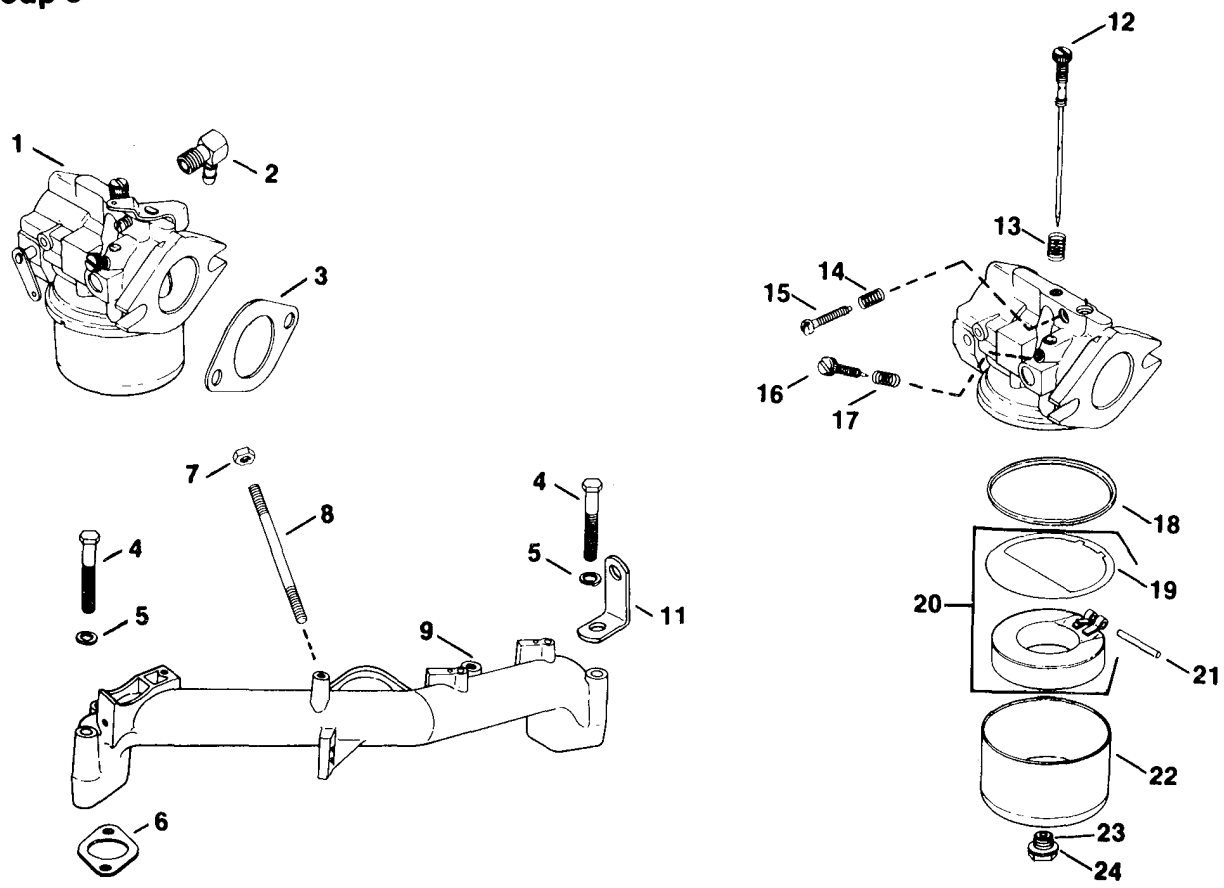
Group 4



ENGINE KOHLER MODEL NO. KT17QS TYPE NO. 24324 (Continued)

Ref. No.	Part No.	Description	No. Used
		CAMSHAFT & VALVES — Group 4	
1	52 012 06	Camshaft	1
2	52 422 03	Spacer — Camshaft	A.R.
3	52 019 02	Tappet	4
4	41 755 10	Kit — Retainer	4
5	230011	Retainer — Spring	2
6	52 413 01	Rotator — Valve	2
7	230168	Spring — Exhaust Valve	2
8	230010	Spring — Intake Valve	2
9	52 018 01	Retainer — Spring	4
10	52 032 13	Seal — Valve Stem	2
11	52 017 01	Valve — Intake	2
12	52 016 02	Valve — Exhaust	2

Group 5

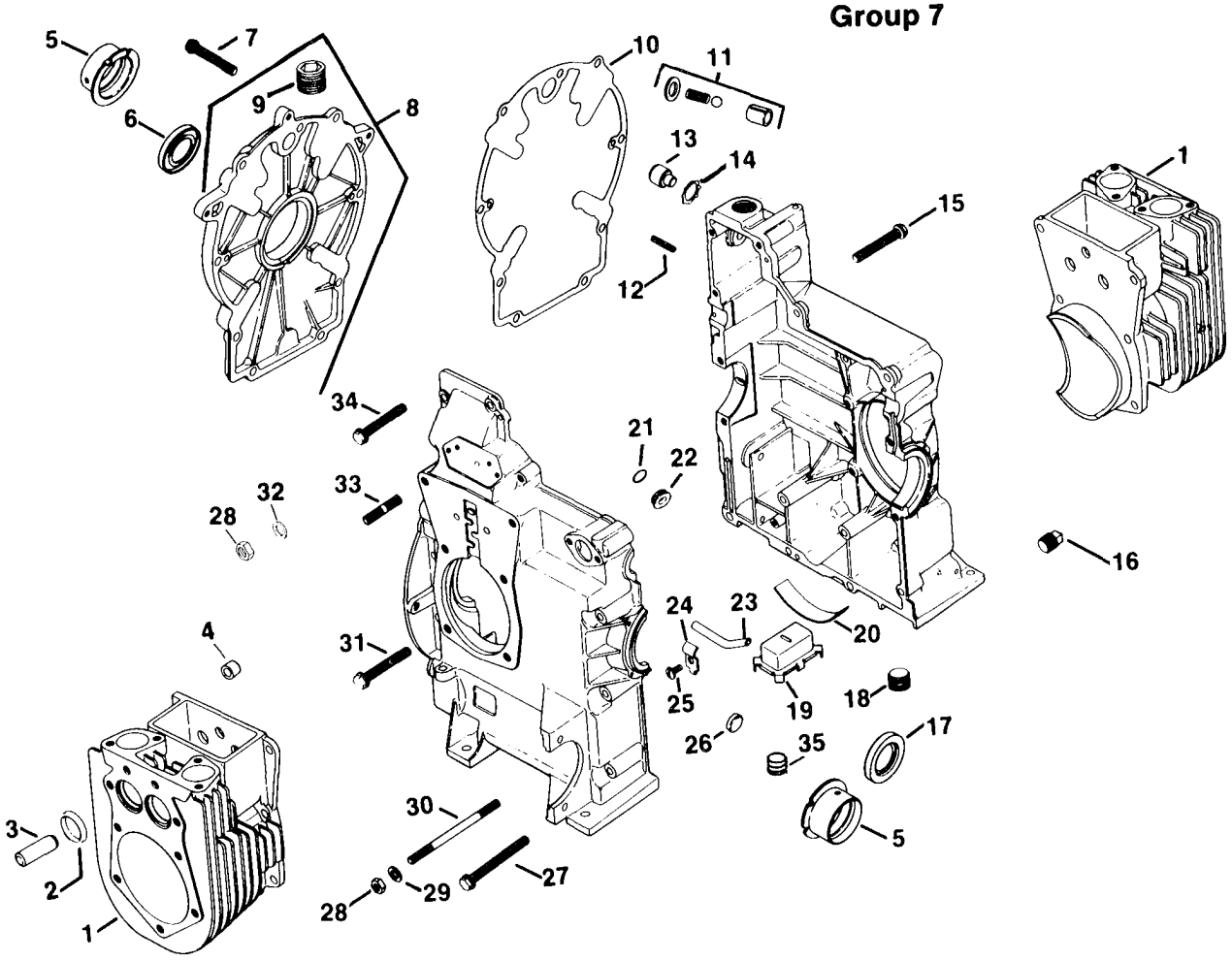


ENGINE KOHLER MODEL NO. KT17QS TYPE NO. 24324 (Continued)

Ref. No.	Part No.	Description	No. Used
		CARBURETOR — Group 5	
1	52 053 09	Carburetor Assembly	1
2	25 155 02	Connector — Hose	1
3	271030	Gasket — Carburetor	1
4	X-6-8	Screw — H.C.	4
5	X-21-1	Washer — Lock	4
6	52 041 09	Gasket — Manifold	2
7	X-77-2	Nut — Hex Jam	2
8	X-352-37	Stud	2
9	52 164 10	Manifold — Intake	1
11	52 445 02	Strap — Lifting	2
12	52 103 01	Needle — Main Fuel Adj.	1
13	200383	Spring — Main Fuel	1
14	232555	Spring — Idle Speed	1

Ref. No.	Part No.	Description	No. Used
15	232556	Screw — Idle Speed Adj.	1
16	277210	Needle — Idle Fuel Adj.	1
17	200380	Spring — Idle Fuel	1
18	200375	Gasket — Bowl	1
19	25 041 02	Gasket — Bowl Baffle	1
20	25 757 03	Kit — Float	1
21	200376	Pin — Float Hinge	1
22	235448	Bowl — Fuel	1
23	47 100 06	Screw — Bowl Retainer	1
24	200372	Gasket — Bowl Ret. Screw	1
	25 757 02	Kit — Carburetor Repair	1
	25 757 05	Kit — Throttle & Choke Shaft Repair	1

Group 7

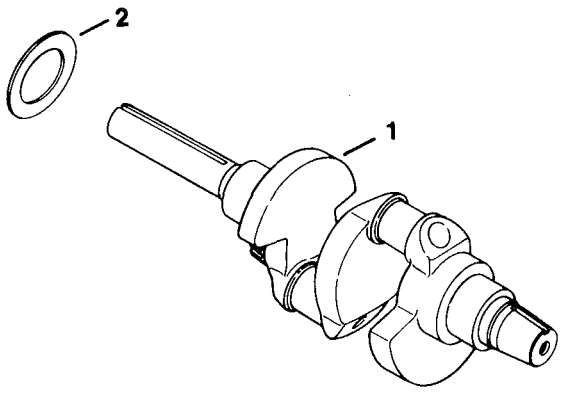


ENGINE KOHLER MODEL NO. KT17QS TYPE NO. 24324 (Continued)

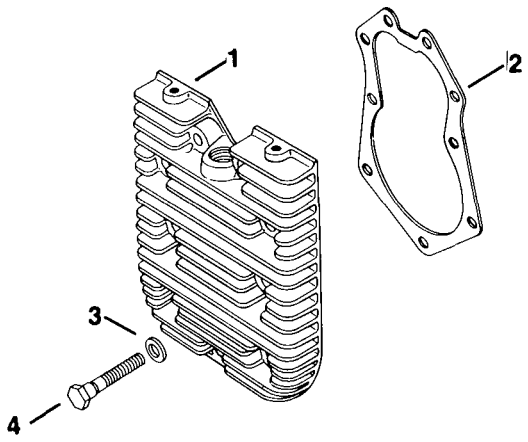
Ref. No.	Part No.	Description	No. Used
		CRANKCASE — Group 7	
1	52 755 51	Kit — Cylinder Barrel	2
2	230265	Insert — Valve Seat	4
3	52 316 06	Guide — Valve	4
4	52 158 04	Bushing, Locating	2
5	52 030 10	Bearing — Sleeve	2
	52 030 11	Bearing — Sleeve .010 U.S.	2
	52 030 12	Bearing — Sleeve .020 U.S.	2
6	X-583-5	Seal — Rear Oil	1
7	X-802-9	Screw — Washer Head	9
8	52 755 57	Kit — Rear Closure Plate	1
9	X-75-23	Plug — Pipe Hex Ctsk.	1
10	52 041 15	Gasket — Rear Closure Plate	1
11	52 755 50	Kit — Oil Relief	1
12	X-280-10	Pin — Roll	1
13	52 078 05	Shaft — Governor	1
14	X-269-43	Ring — Retaining	1
15	25 086 12	Screw — Hex Flange	2
16	X-75-10	Plug — Pipe Solid Sq. Head	1
17	52 032 10	Seal — Front Oil	1

Ref. No.	Part No.	Description	No. Used
18	X-75-32	Plug — Pipe Hex Ctsk.	1
19	52 095 03	Housing — Oil	1
20	52 237 02	Clip — Spring	1
21	52 141 02	"O" Ring	1
22	52 139 08	Plug 3/4 O.D.	1
23	52 123 10	Tube — Oil Pickup	1
24	52 237 05	Clamp	1
25	X-67-64	Screw	1
26	X-702-15	Plug — Cup	1
27	25 086 11	Screw — Hex Flange	6
28	X-82-2	Nut — Hex	14
29	41 468 01	Washer — Plain	4
30	X-352-33	Stud	2
31	25 086 13	Screw — Hex Washer Head	2
32	52 468 12	Washer — Plain	12
33	52 072 12	Stud	12
34	25 086 10	Screw — Hex Flange	2
35	52 139 07	Plug — Pipe Hex Ctsk.	1
	52 522 94	Block — Short	1
	52 755 12	Gasket — Set, w/Seals	1

Group 8



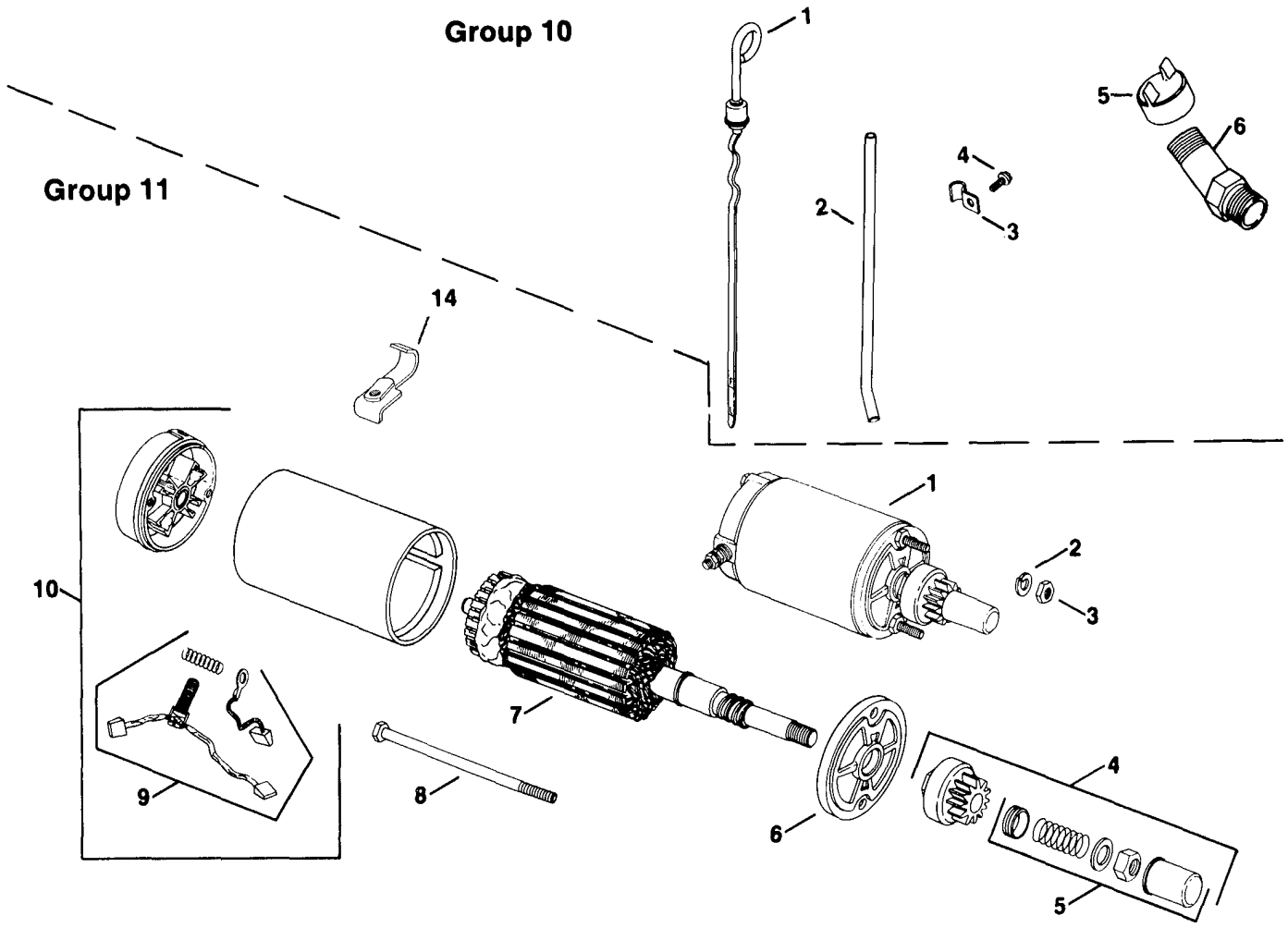
Group 9



ENGINE KOHLER MODEL NO. KT17QS TYPE NO. 24324 (Continued)

Ref. No.	Part No.	Description	No. Used
		CRANKSHAFT — Group 8	
1	52 014 64	Crankshaft	1
2	52 468 03	Washer — Thrust .119/.122	A.R.
	52 468 04	Washer — Thrust .128/.131	1
	52 468 05	Washer — Thrust .137/.140	A.R.

Ref. No.	Part No.	Description	No. Used
		CYLINDER HEAD — Group 9	
1	52 015 08	Head — Cylinder #1 & #2	1
2	52 041 18	Gasket — Cylinder Head	2
3	220534	Washer — Cylinder Head	18
4	41 086 02	Screw — Cylinder Head	18

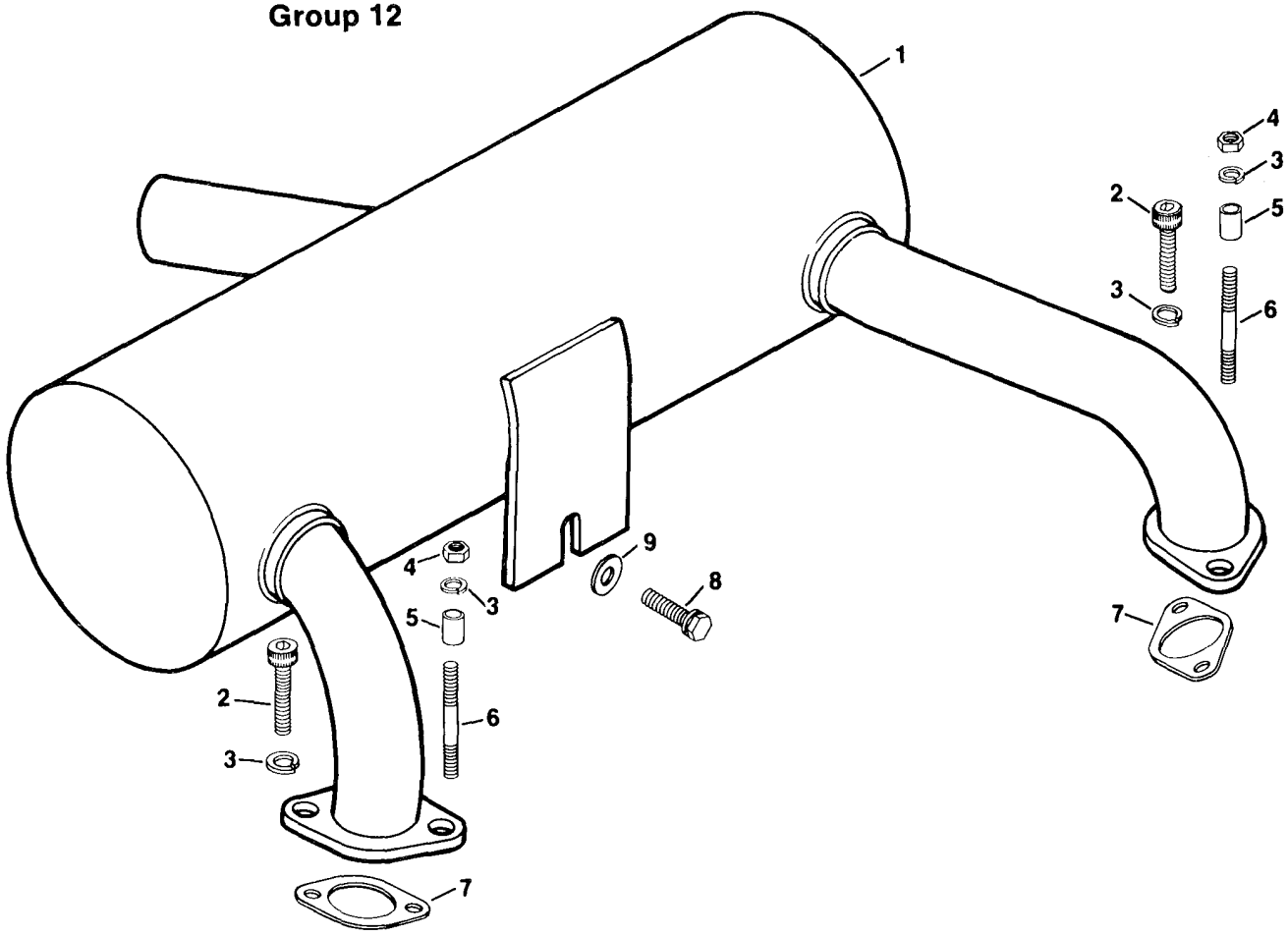


ENGINE KOHLER MODEL NO. KT17QS TYPE NO. 24324 (Continued)

Ref. No.	Part No.	Description	No. Used
		DIPSTICK — Group 10	
1	52 038 04	Dipstick — Oil Level	1
2	52 123 09	Tube — Oil Level	1
3	52 154 01	Clip — Tube	1
4	X-67-64	Screw — Tapping	1
5	52 173 01	Pipe — Cap	1
6	46 136 02	Pipe — Oil Fill	1

Ref. No.	Part No.	Description	No. Used
		ELECTRIC START — Group 11	
1	52 098 06	Starter Assembly	1
2	X-20-1	Washer	2
3	X-81-1	Nut	2
4	52 755 05	Kit — Drive	1
5	52 755 08	Kit — Drive Parts	1
6	52 227 01	Cap — Drive End	1
7	52 170 03	Armature	1
8	52 211 03	Bolt — Thru	2
9	52 755 15	Kit — Brush and Spring	1
10	52 227 07	Kit — Commutator End Cap	1
14	52 126 09	Bracket — Mounting	1

Group 12

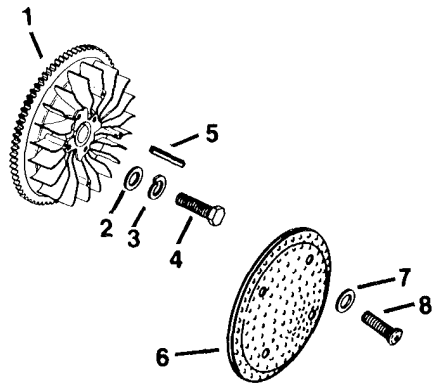


ENGINE KOHLER MODEL NO. KT17QS TYPE NO. 24324 (Continued)

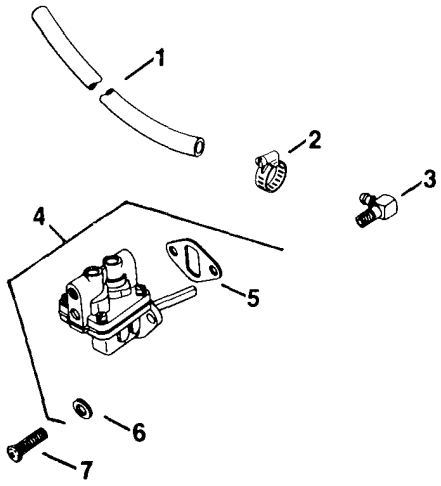
Ref. No.	Part No.	Description	No. Used
		EXHAUST — Group 12	
1	52 068 08	Muffler	1
2	X-55-6	Screw	2
3	X-21-1	Washer — Lock	4
4	X-82-2	Nut	2
5	52 112 08	Spacer	2

Ref. No.	Part No.	Description	No. Used
6	52 072 13	Stud	2
7	52 041 14	Gasket — Exhaust	2
8	X-132-5	Screw	1
9	X-25-73	Washer	1

Group 13



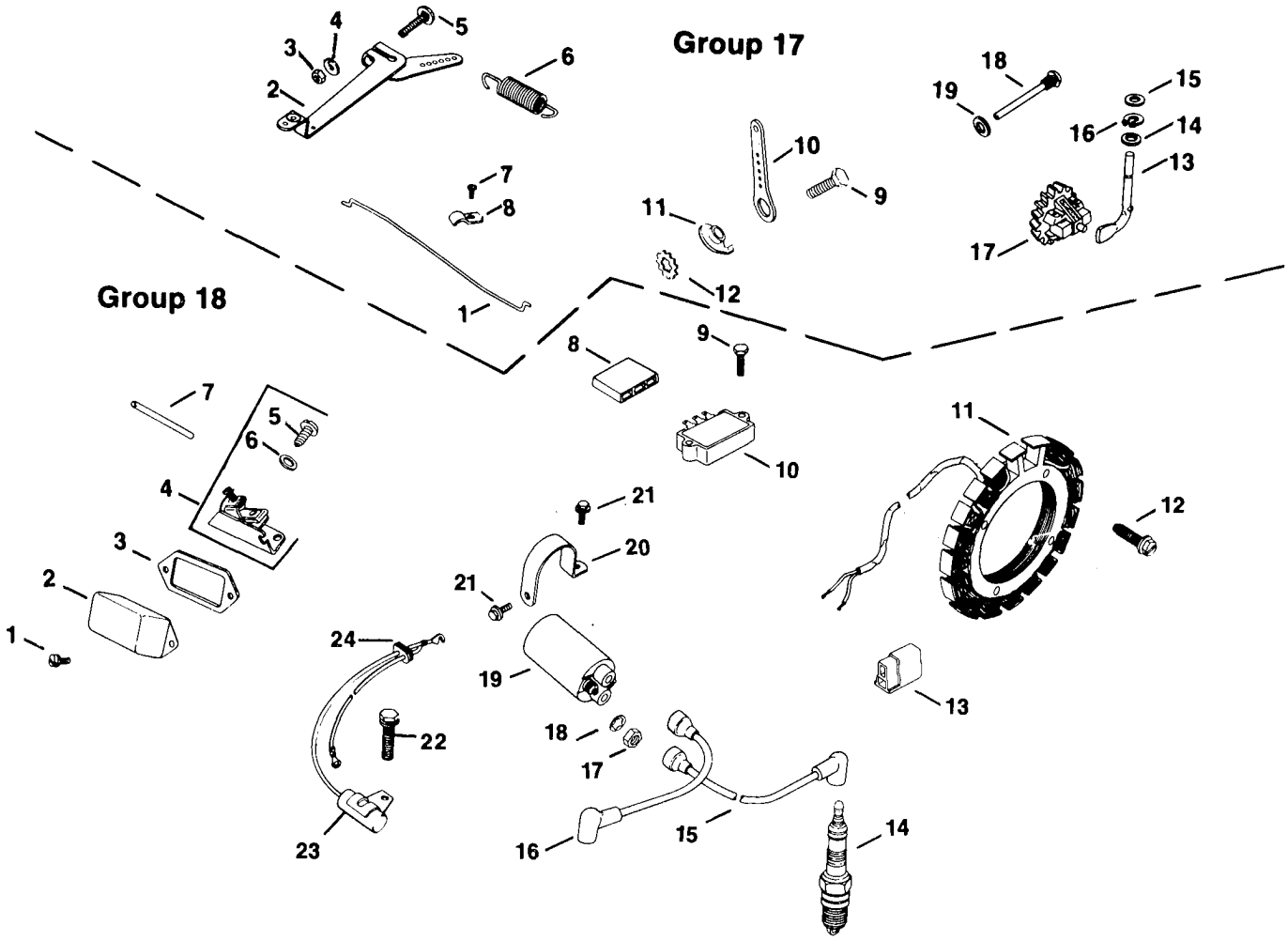
Group 14



ENGINE KOHLER MODEL NO. KT17QS TYPE NO. 24324 (Continued)

Ref. No.	Part No.	Description	No. Used
		FLYWHEEL — Group 13	
1	52 025 20	Flywheel	1
2	52 114 02	Washer	1
3	X-22-1	Washer — Lock	1
4	25 086 04	Screw — H.C.	1
5	X-286-17	Key — Square	1
6	52 162 15	Screen — Grass	1
7	X-25-52	Washer	4
8	47 086 08	Screw — T.H.	4

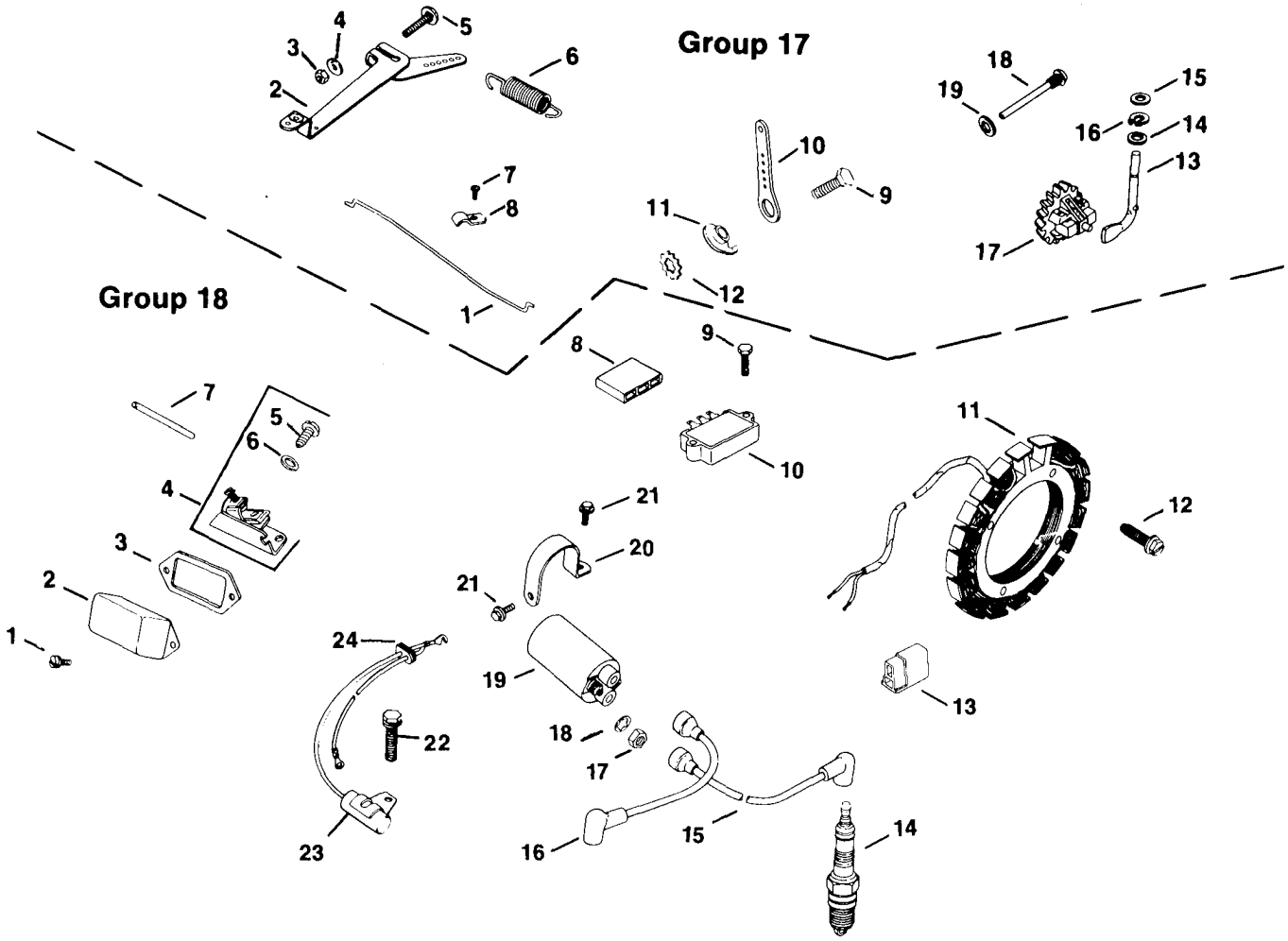
Ref. No.	Part No.	Description	No. Used
		FUEL PUMP — Group 14	
1	52 353 04	Hose	1
2	X-426-9	Clamp — Hose	2
3	25 155 02	Connector — 90°	2
4	52 559 01	Pump — Fuel	1
5	52 041 17	Gasket — Fuel Pump	1
6	X-25-63	Washer — Plain	2
7	47 086 08	Screw — Truss Head	2



ENGINE KOHLER MODEL NO. KT17QS TYPE NO. 24324 (Continued)

Ref. No.	Part No.	Description	No. Used
		GOVERNOR — Group 17	
1	52 354 03	Link — Governor	1
2	52 187 02	Arm — Governor	1
3	X-81-1	Nut — Hex	1
4	X-25-72	Washer — Plain	1
5	52 211 04	Screw — R.H. Sq. Neck	1
6	52 091 04	Spring — Governor	1
7	X-67-97	Screw — H.C.	2
8	235778	Clamps — Cable	2
9	X-5-1	Screw — H.C.	1
10	52 119 01	Lever — Speed Control	1
11	234614	Stop — Governor	1
12	X-22-12	Washer — Internal/External Tooth	1
13	52 078 04	Shaft — Governor	1
14	X-25-102	Washer — Plain	1
15	X-25-63	Washer — Plain	2

Ref. No.	Part No.	Description	No. Used
16	X-269-28	Retainer — Governor	1
17	A-235743-S	Kit — Governor Gear	1
18	231355	Pin — Governor Stop	1
19	X-25-12	Washer — Plain	1
		IGNITION — Group 18	
1	X-131-1	Screw — F.H.	4
2	51 096 02	Cover — Breaker	1
3	52 041 11	Gasket — Breaker	1
4	47 150 03	Breaker	1
5	X-141-5	Screw	1
6	X-25-65	Washer — Plain	1
7	52 411 05	Rod — Breaker Push	1
8	236602	Connector — Female, Three Contact	1
9	X-5-3	Screw — H.C.	2
10	41 403 05	Rectifier Regulator	1
11	237878	Kit — Stator	1
12	X-67-51	Screw — H.C.	4



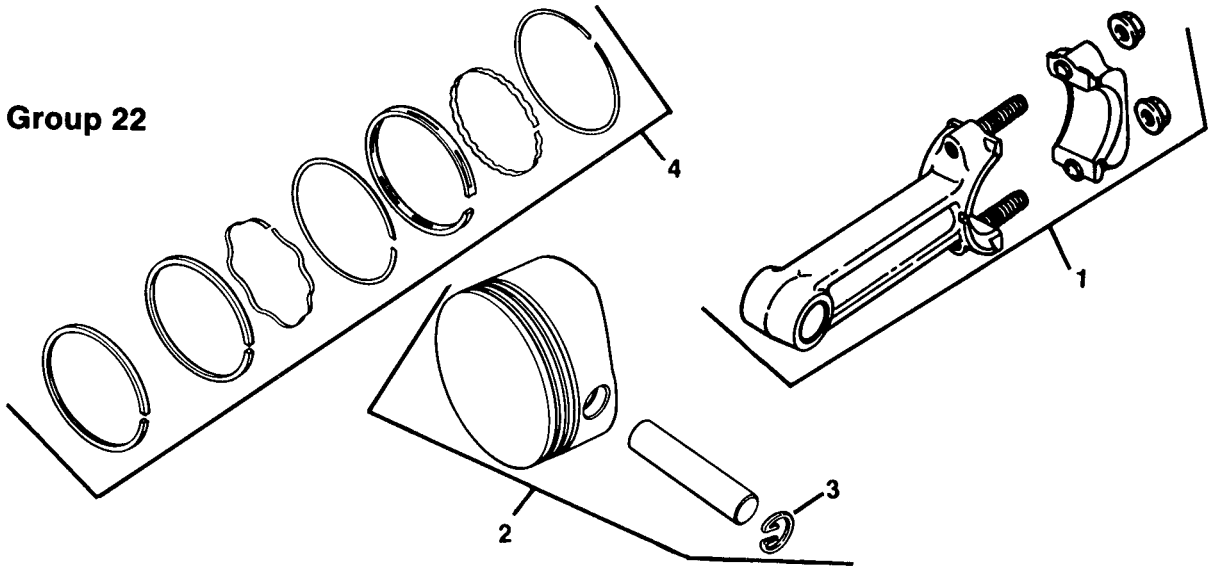
ENGINE KOHLER MODEL NO. KT17QS TYPE NO. 24324 (Continued)

Ref. No.	Part No.	Description	No. Used
13	48 155 02	Connector — Male	1
14	51 132 02	Spark Plug	2
15	52 348 04	Lead — Hi-Tension 19"	1
16	52 348 03	Lead — Hi-Tension 11"	1
17	X-70-8	Nut — Hex	2
18	X-22-9	Washer — I.T.	2
19	52 145 03	Coil — Ignition	1
20	52 445 03	Strap — Coil	1
21	X-67-83	Screw — Tapping	2
22	X-67-62	Screw — Hex Washer Head	1

Ref. No.	Part No.	Description	No. Used
23	52 147 01	Condenser	1
24	220297	Grommet	1
*	25 518 05	Lead, Rectifier — Regulator (5" - 14 Ga. Uninsulated push on tab terminals)	1
*	25 518 09	Lead, Coil (16" - 14 Ga. insulated barrel eyelet and uninsulated push on tab terminals)	1

*Not Illustrated

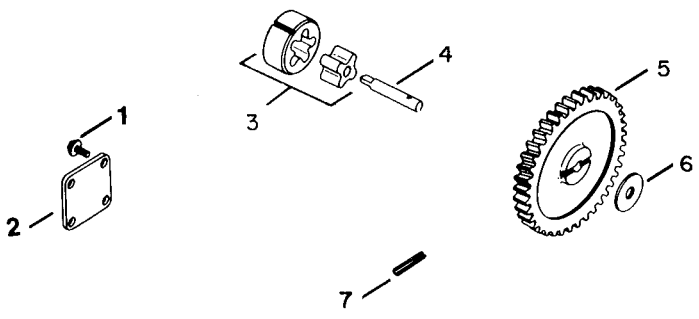
Group 22



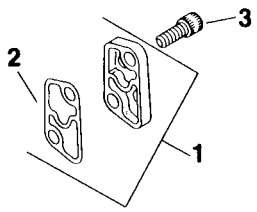
ENGINE KOHLER MODEL NO.KT17QS TYPE NO. 24324 (Continued)

Ref. No.	Part No.	Description	No. Used
		PISTON & ROD — Group 22	
1	52 067 67	Connecting Rod (Std.)	2
1	52 067 68	Connecting Rod (.010)	2
2	52 874 11	Piston w/Ring Set (Std.)	2
2	52 874 12	Piston w/Ring Set (.003)	2
2	52 874 13	Piston w/Ring Set (.010)	2
2	52 874 14	Piston w/Ring Set (.020)	2
2	52 874 15	Piston w/Ring Set (.030)	2
3	230004	Retainer — Piston Pin	4
4	52 108 09	Ring Set (Std. & .003)	2
4	52 108 10	Ring Set (.010)	2
4	52 108 11	Ring Set (.020)	2
4	52 108 12	Ring Set (.030)	2

Group 25



Group 29



ENGINE KOHLER MODEL NO. KT17QS TYPE NO. 24324 (Continued)

Ref. No.	Part No.	Description	No. Used
		OIL PUMP — Group 25	
1	X-67-64	Screw — Tapping	4
2	52 096 03	Cover — Oil Pump	1
3	52 393 09	Rotor Set	1
4	52 144 05	Shaft — Oil Pump	1
5	52 043 05	Gear — Oil Pump	1
6	52 422 01	Spacer (A.R. max. 2)	1
7	X-280-25	Pin — Roll	1
		OIL PORT — Group 29	
1	52 755 66	Kit — Cover	1
2	52 041 16	Gasket — Cover	1
3	X-55-15	Screw — Hex Socket Head	2

PRODUCT CHANGES

In an effort to make improvements available to TORO owners as quickly as possible, minor changes are incorporated into Toro's products from time to time that do not become immediately shown in the Parts Catalog. If such a change apparently has been made in your unit, which is not reflected in your manual, see your TORO Distributor for information and part numbers.

IDENTIFICATION AND ORDERING

MODEL AND SERIAL NUMBERS

The Groundsmaster 117 has two identification numbers: a model number and a serial number. The two numbers are stamped on a plate which is riveted on back side of Steering Tower. In any correspondence concerning the Groundsmaster 117, supply model and serial numbers to assure that correct information and replacement parts are obtained.

To order replacement parts from an Authorized TORO Distributor, supply the following information:

1. Model and serial number of the Groundsmaster 117.
2. Part number, description, and quantity of part(s) desired.

Note: Do not order by reference number if a parts catalog is being used; use the PART NUMBER.

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