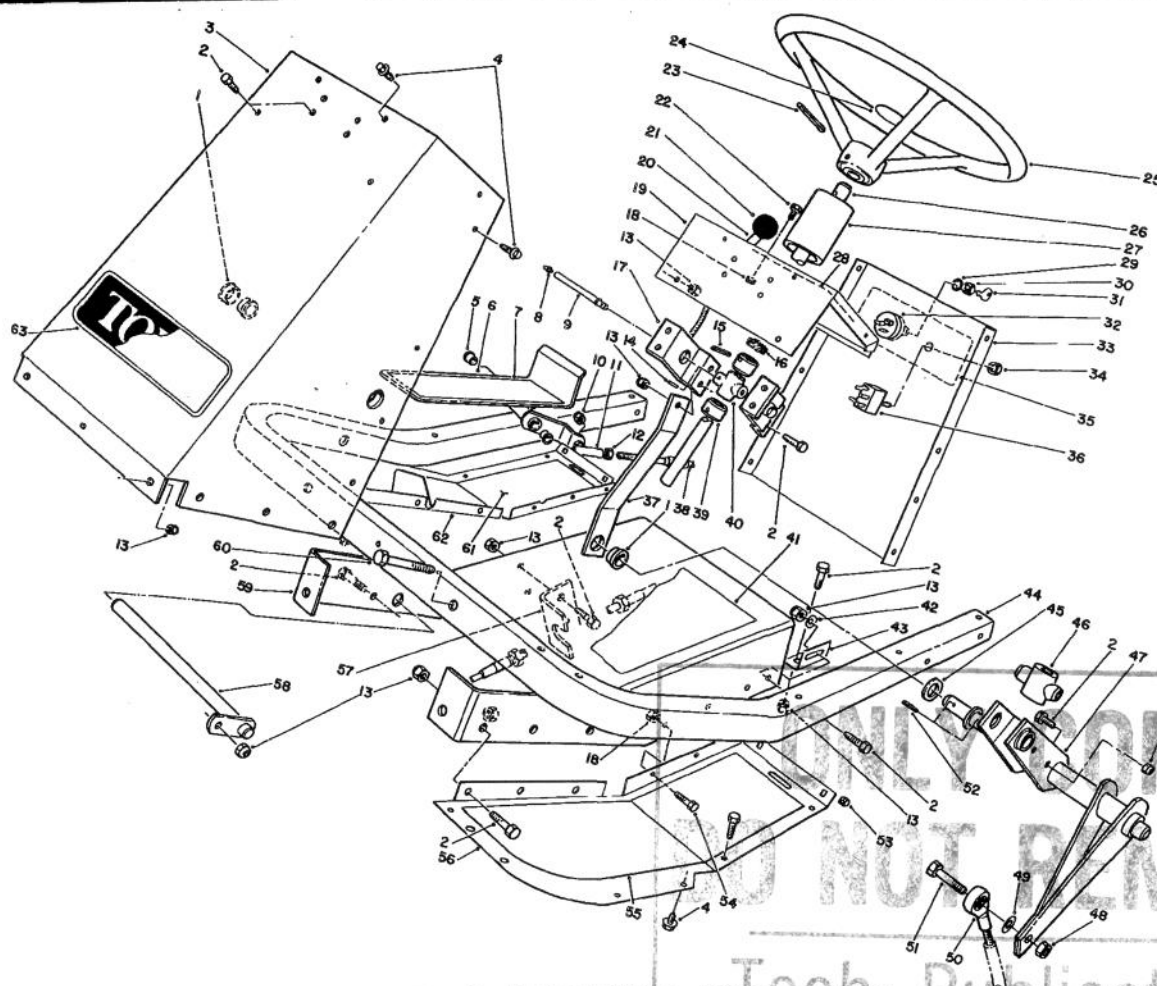


TORO®

MODEL NO. 30754-60402 & UP
 MODEL NO. 30544-60001 & UP
 MODEL NO. 30753-60001 & UP

**PARTS
 CATALOG**

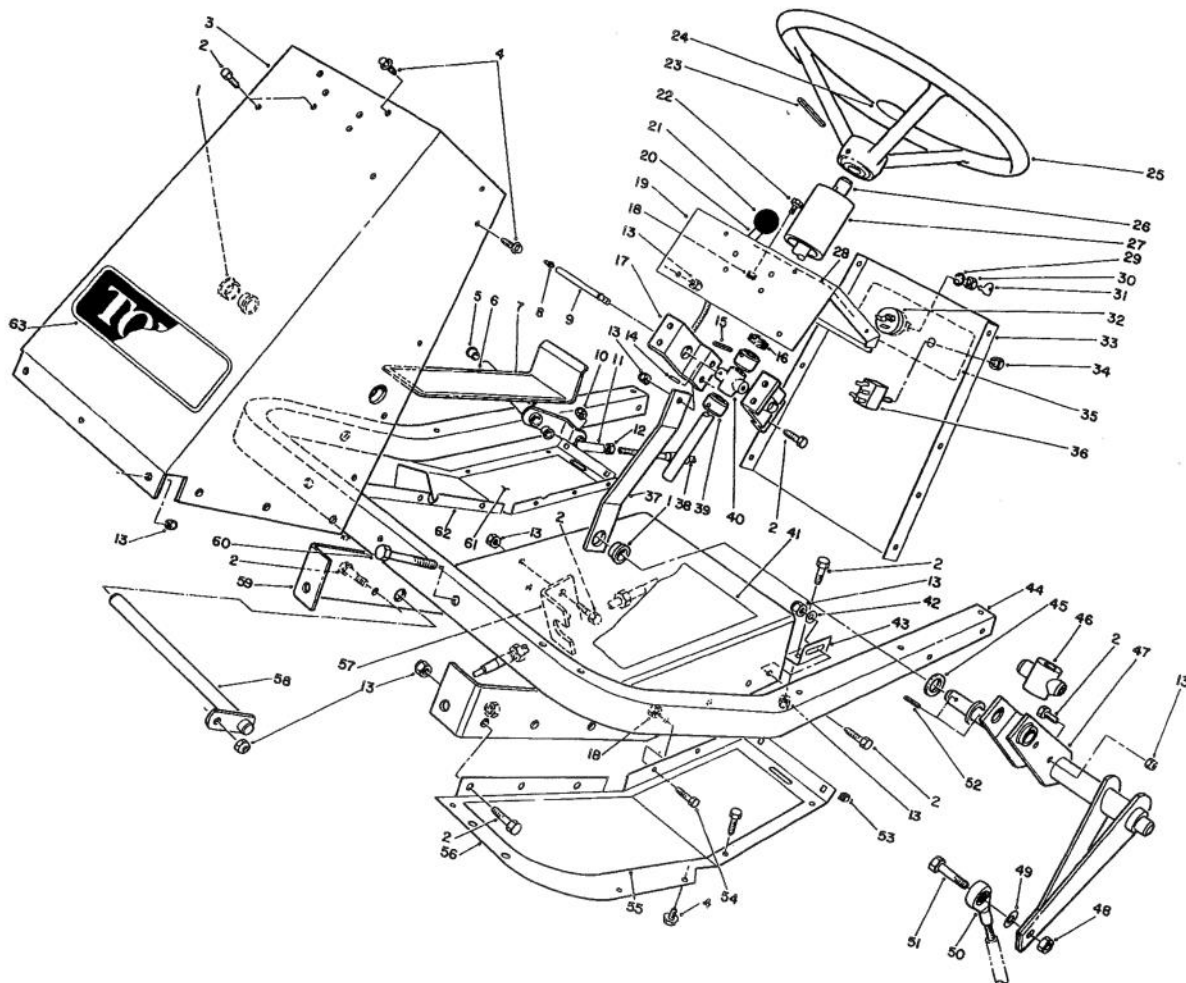
GROUNDMASTER 117



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

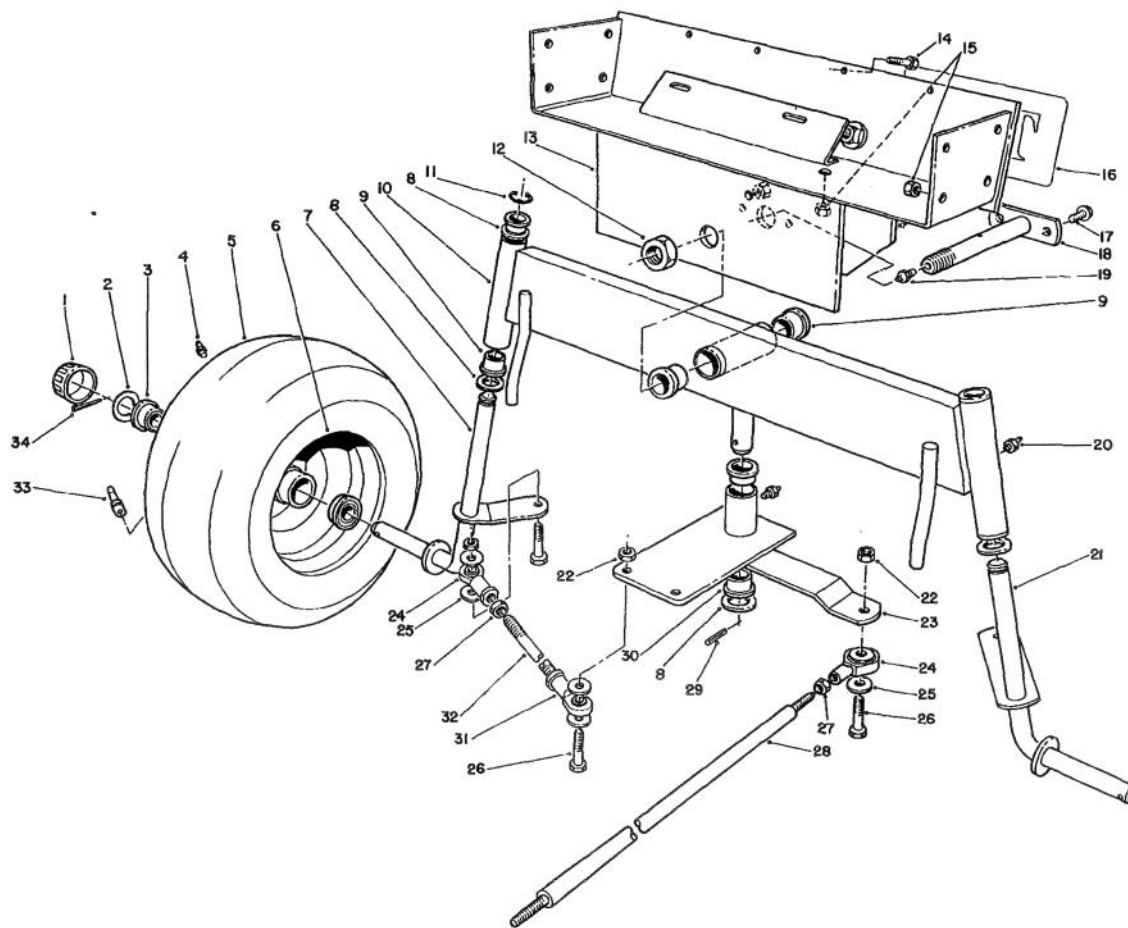
Ref. No.	Part No.	Description	No. Used
15	32121-31	Pin — Roll	2
16	21-9260	Dust Cover	1
17	54-1950	Bracket — Support Bearing	2
18	3296-42	Nut — Lock	14
19	54-1000	Tower — Top	1
20	54-1450	Control — Throttle, Choke	2
21	233-35	Knob	2
22	321-2	Screw — Hex Head	4
23	32121-10	Pin — Roll	1
24	24-2090	Cap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



FRAME & STEERING ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
29	218-447	Washer — Lock	1
30	218-446	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

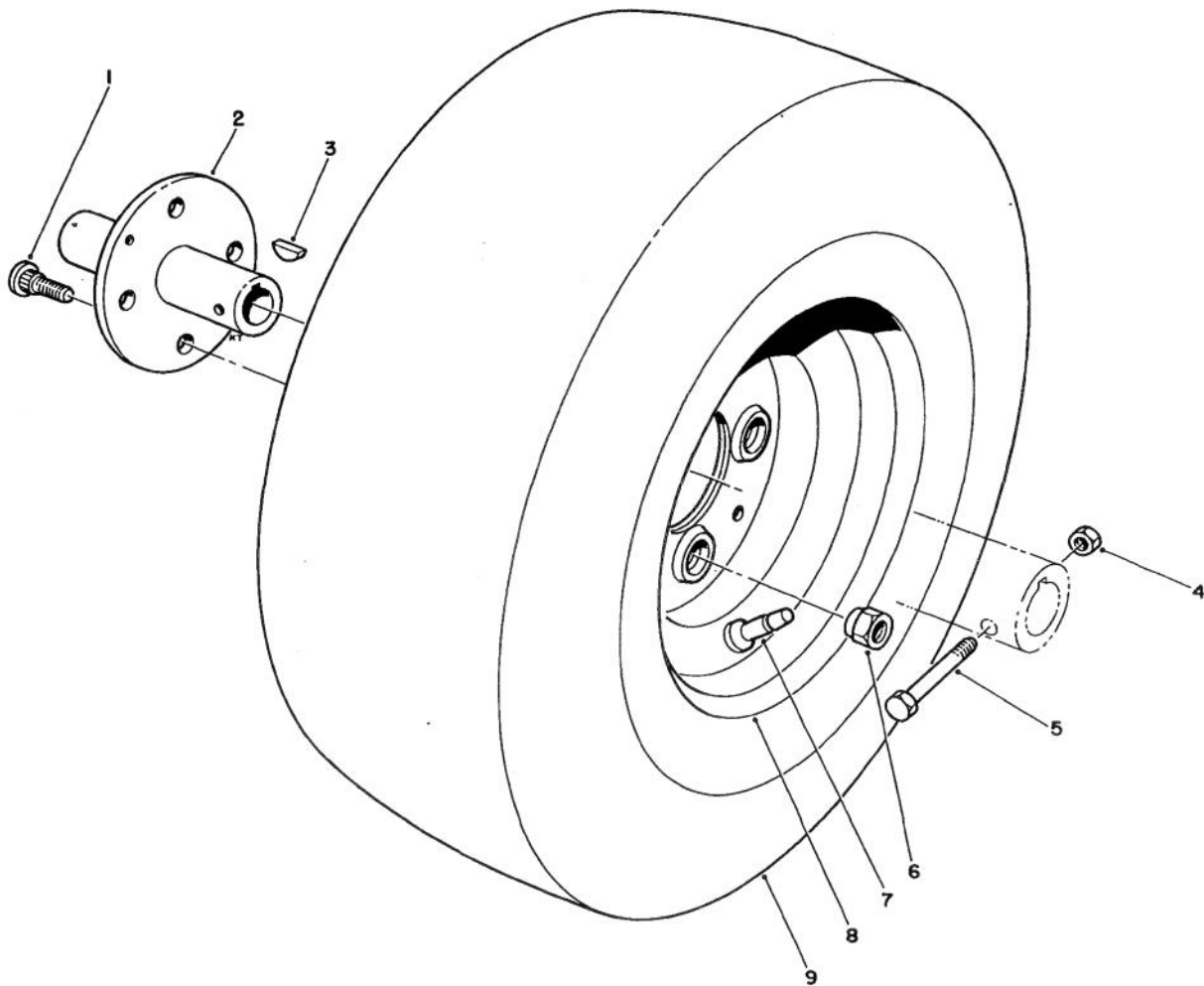
Ref. No.	Part No.	Description	No. Used
46	54-2630	Follower — Steering Shaft	1
47	54-2040	Follower Lever	1
48	32152-9	Nut — Lock	1
49	3256-4	Washer — Flat	1
50	251-304	Rod End	1
51	324-7	Screw — Hex Hd.	1
52	32121-77	Pin — Roll	2
53	32115-5	Nut — Square	4
54	321-4	Screw — Hex Hd.	10
55	54-2260	Pad — Footrest 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	4
14	321-4	Capscrew	8
15	3296-29	Nut — Hex	1
16	43-5110	Decal — Toro	2
17	32144-15	Screw	2

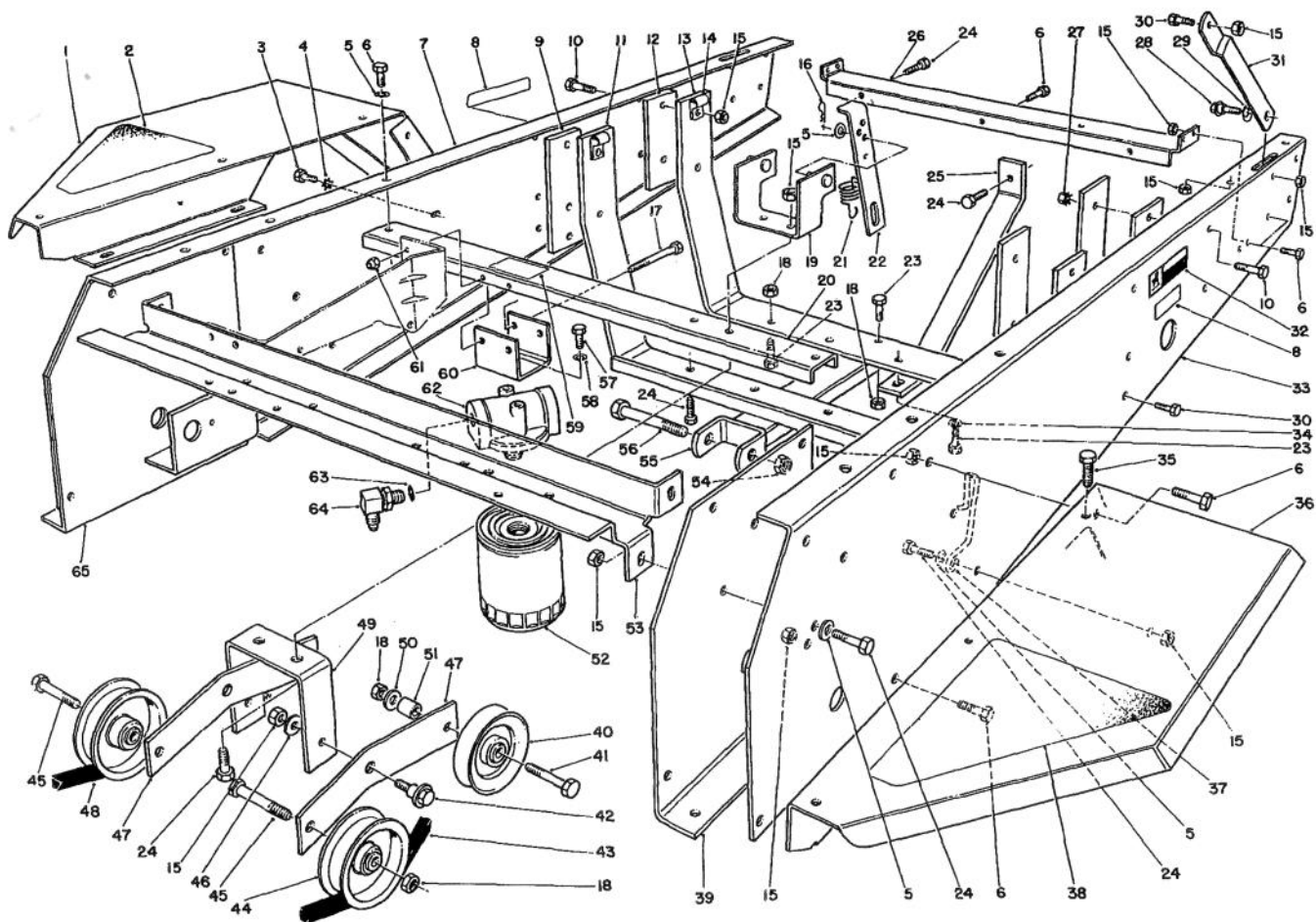
Ref. No.	Part No.	Description	No. Used
18	59-1500	Axle — Pivot	1
19	302-5	Grease Fitting	1
20	302-49	Fitting — Grease	3
21	54-0560	Spindle L.H.	1
22	32152-9	Nut — Hex	5
23	54-0600	Pivot Plate (Incl. Ref. #20 & 30)	1
24	251-305	Rod End	3
25	3256-4	Washer — Flat	9
26	324-7	Screw — Hex	5
27	3220-4	Jam — Nut	3
28	54-1491	Rod — Steering	1
29	32121-45	Pin — Roll	1
30	27-9080	Bushing	2
31	251-304	Rod End	2
32	57-3100	Tie Rod — Steering	2
33	232-27	Valve Stem w/Cap	2
34	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

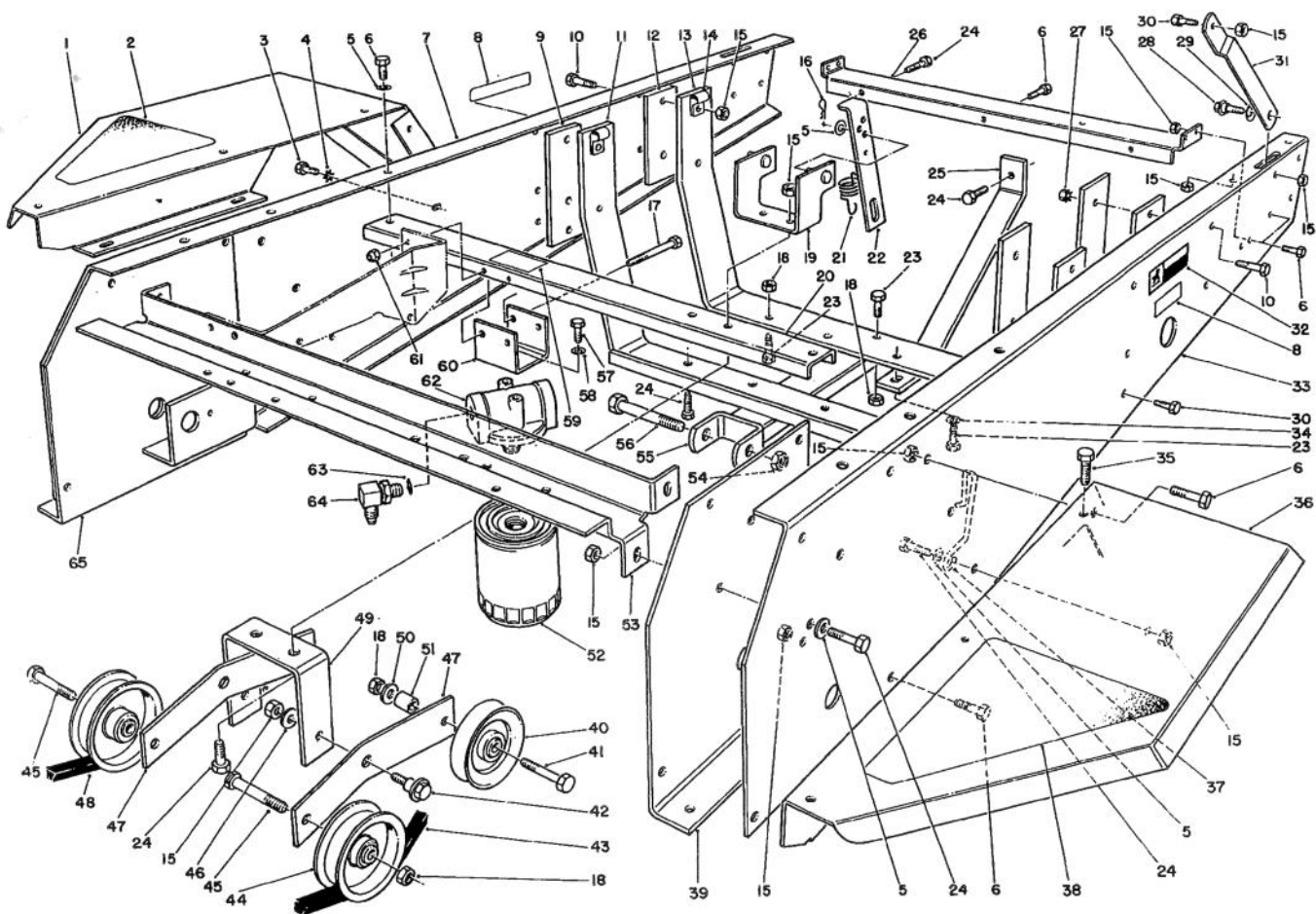
Ref. No.	Part No.	Description	No. Used
6	242-50	Nut — Hex Wheel	8
7	232-27	Valve Stem w/cap	2
8	242-76	Rim	2
9	231-114	Tire	2



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	15
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	2412-93	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

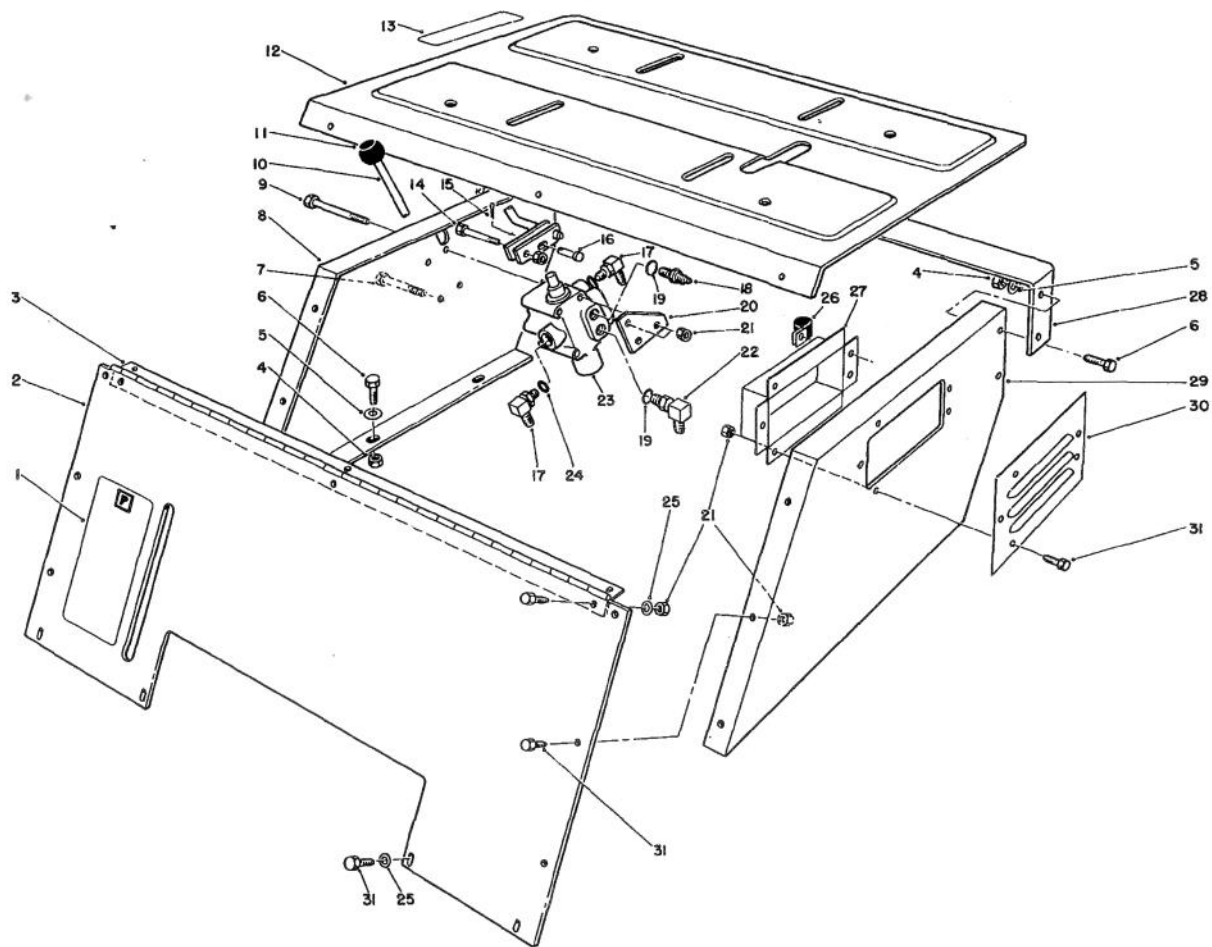
Ref. No.	Part No.	Description	No. Used
23	323-7	Screw — Hex Head	4
24	322-5	Screw — Hex Head	10
25	54-1820	Bar — Tension	1
26	54-1830	Support — Shield	1
27	32149-1	Nut	1
28	27-0410	Bolt — Shoulder	2
29	3290-211	Washer — Spring	2
30	322-3	Screw — Hex Head	4
31	54-1870	Stop — Hood Lower	2
32	54-0910	Decal — 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	7-0823	Idler — V	2
41	323-11	Screw — Hex Head	2
42	19-1470	Bolt — Shoulder	2
43	54-1380	V-Belt Jackshaft	1
44	7-4660	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

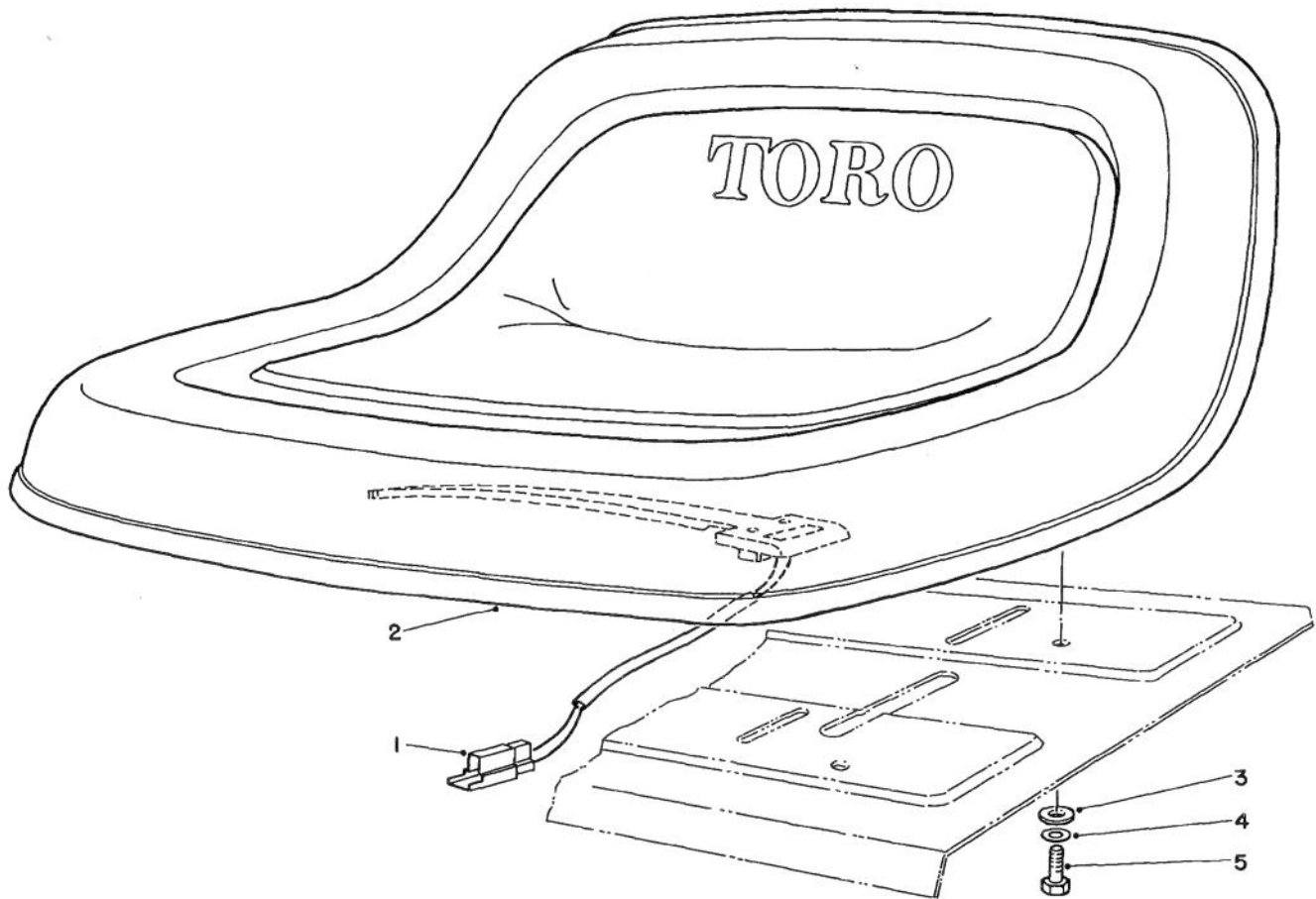
Ref. No.	Part No.	Description	No. Used
56	327-24	Screw — Hex Head	1
57	321-3	Screw — Hex Head	2
58	3253-3	Washer — Lock	2
59	53-4430	Decal — Oil	1
60	54-1120	Bracket — Filter Head	1
61	3296-42	Nut — Lock	2
62	54-0100	Filter Head Assembly	1
63	237-79	“O” Ring	1
64	353-371	Fitting	2
65	54-0450	Axle Stand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



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

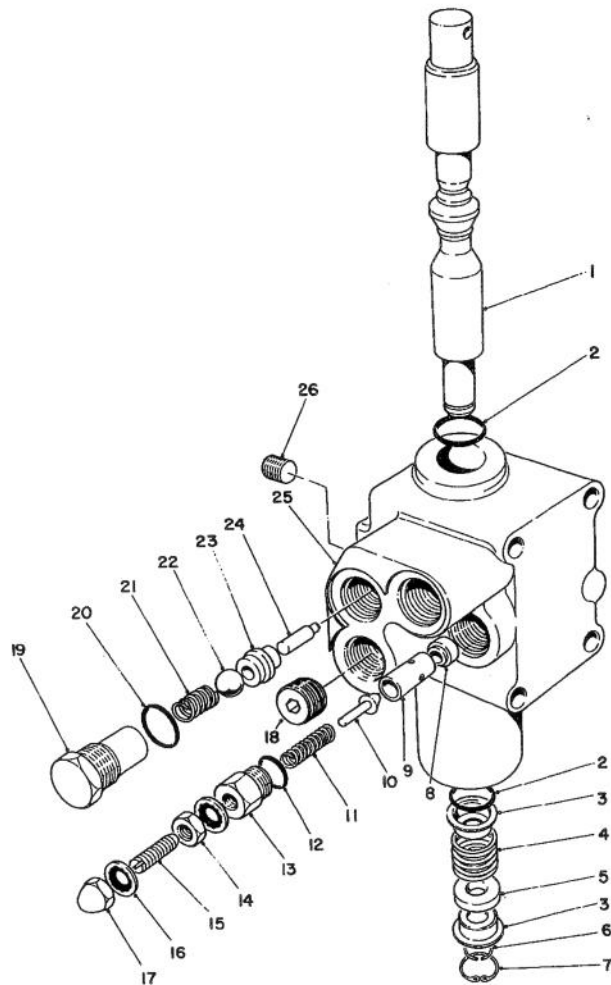
Ref. No.	Part No.	Description	No. Used
17	353-511	Fitting	2
18	353-545	Fitting	1
19	237-78	"O" Ring	2
20	54-2540	Bracket — Lever, Valve	1
21	3296-42	Nut — Lock	19
22	353-375	Fitting — 90°	1
23	54-0090	Valve Assembly	1
24	237-42	"O" Ring	2
25	3256-1	Washer — Flat	10
26	2412-94	Clamp — R	1
27	54-1700	Air 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

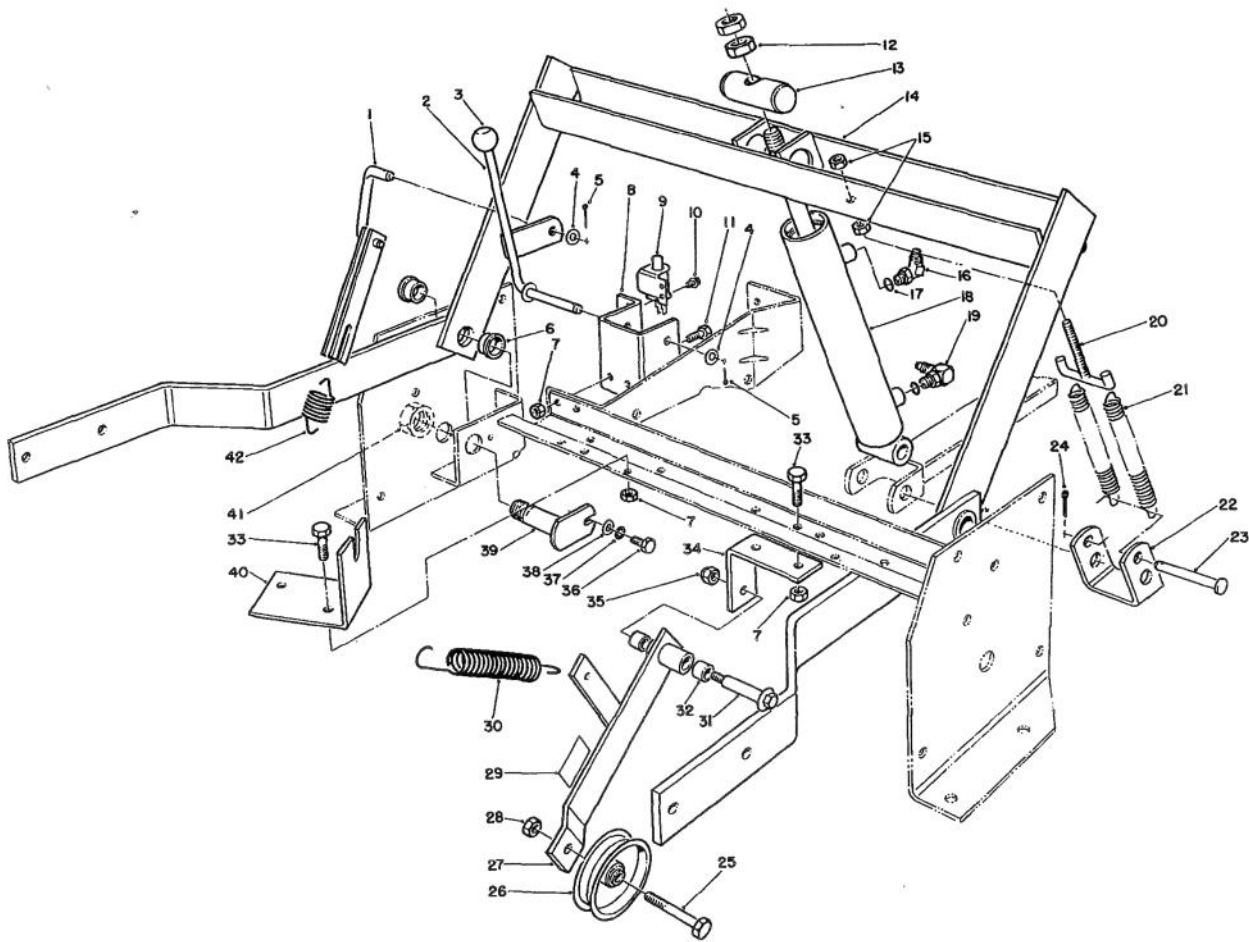


VALVE ASSEMBLY NO. 54-0090

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

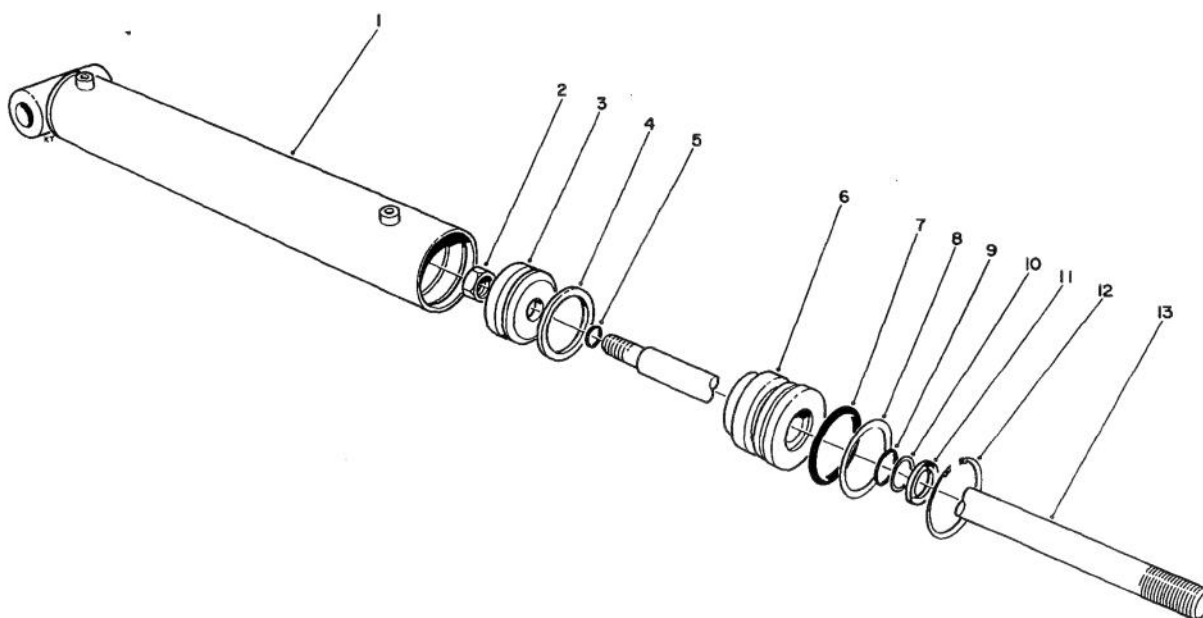
*Not Illustrated



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	55-8260	Pulley — Idler	1
27	12-1109	Idler Lever (Incl. Ref. #23 & 26)	1
28	3296-44	Nut — Lock	1
29	55-4300	Decal — Warning	1
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

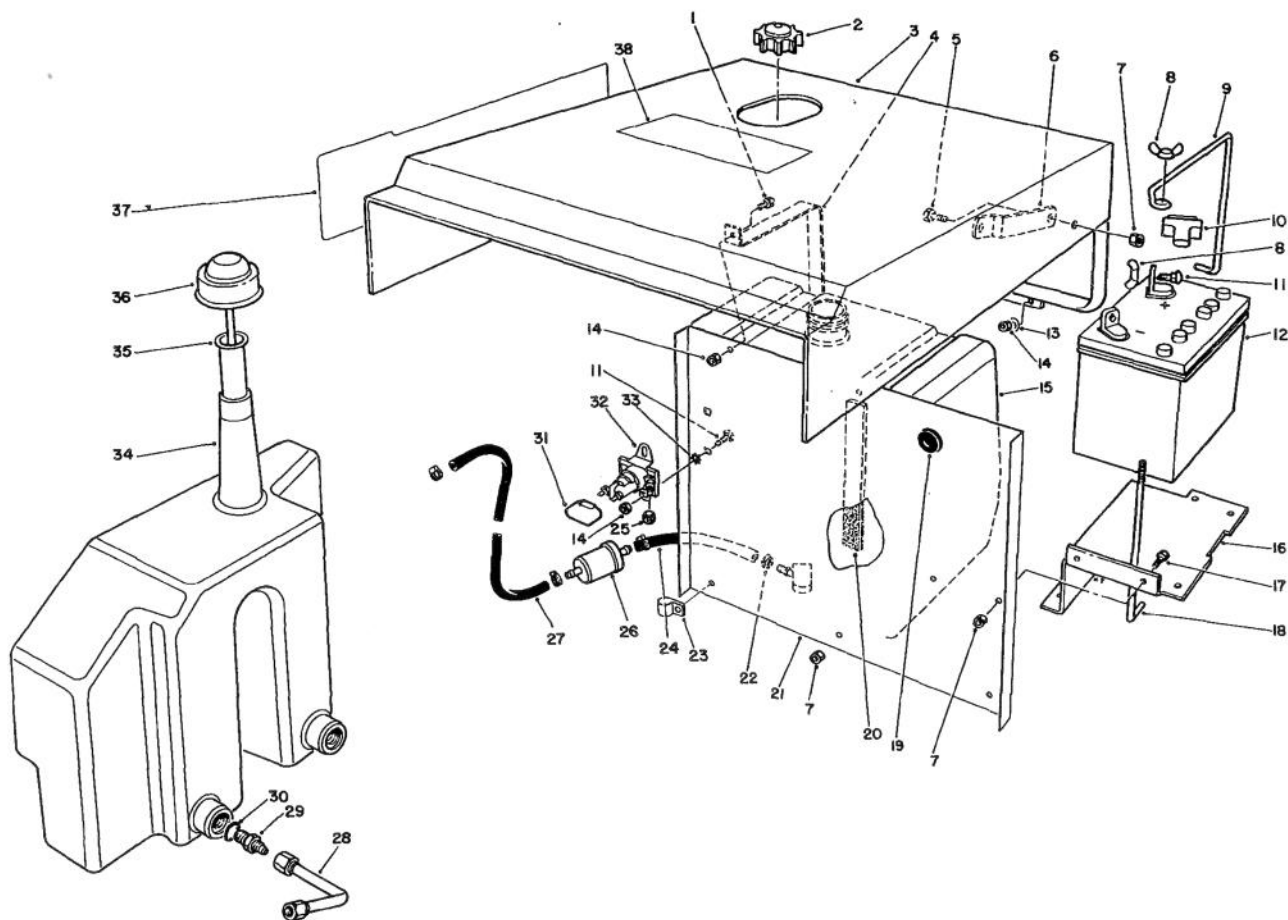


HYDRAULIC LIFT CYLINDER NO. 54-0150

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

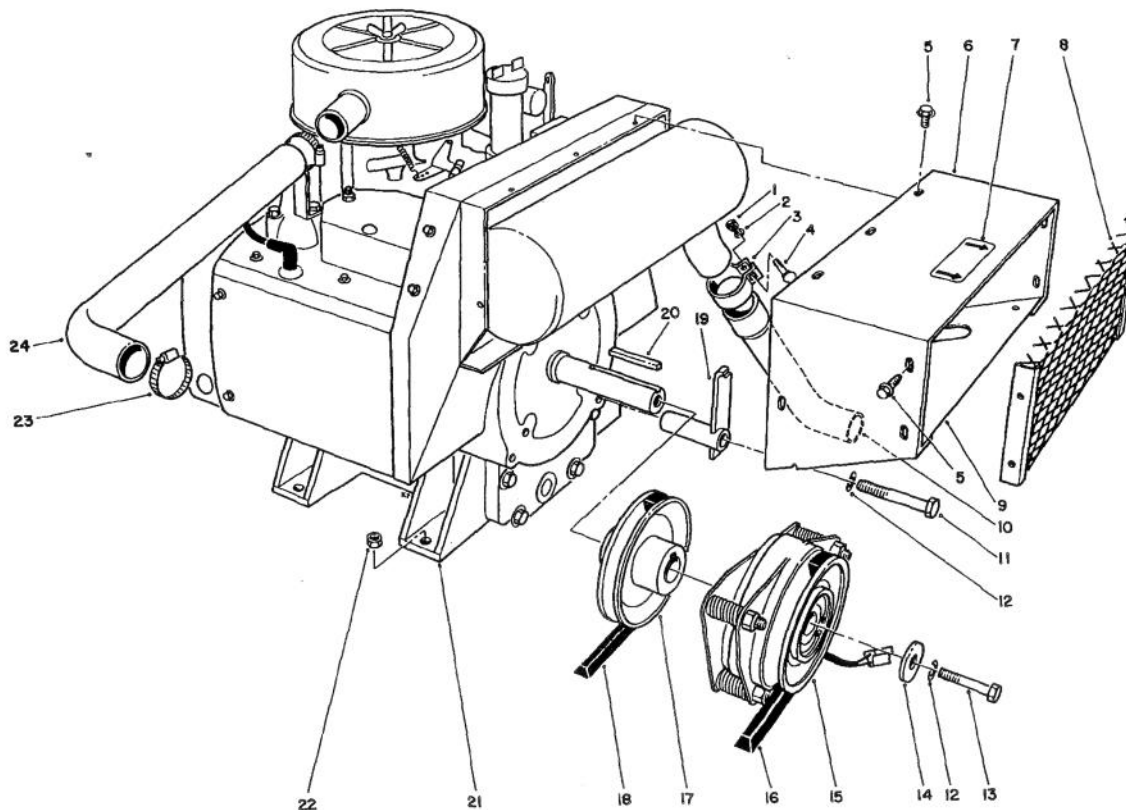
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HOOD—GAS & HYDRAULIC TANK ASSEMBLY

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	54-2010	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

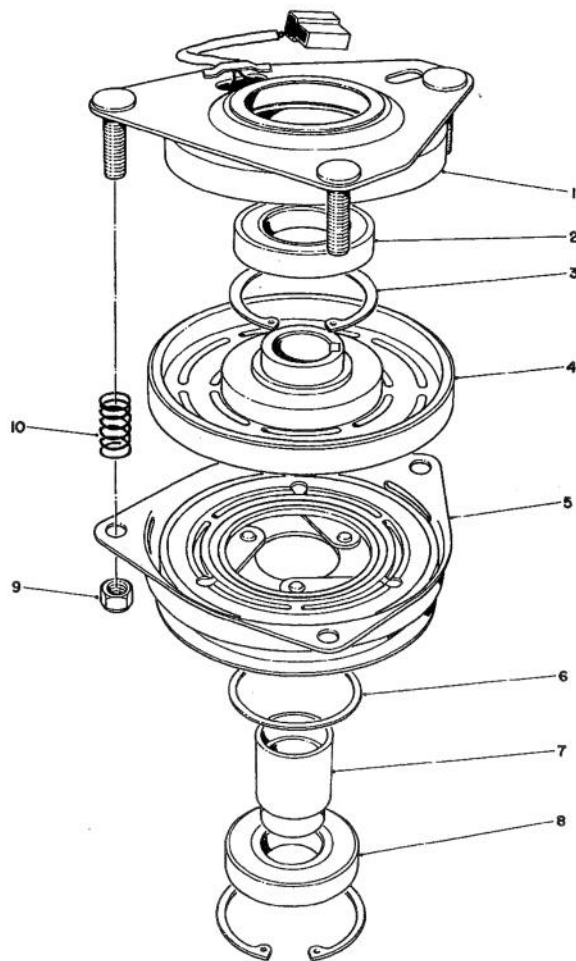
Ref. No.	Part No.	Description	No. Used
21	54-1840	Shield — Heat	1
22	2412-36	Clamp — Hose	4
23	2412-93	R-Clamp	1
24	36-8930	Hose — Fuel	1
25	42-5240	Nut	1
26	42-5240	Filter — Fuel	1
27	21-2480	Hose — Fuel	1
28	54-2310	Tube Assembly — Transmission to Reservoir	1
29	353-385	Fitting	2
30	237-42	"O" Ring	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

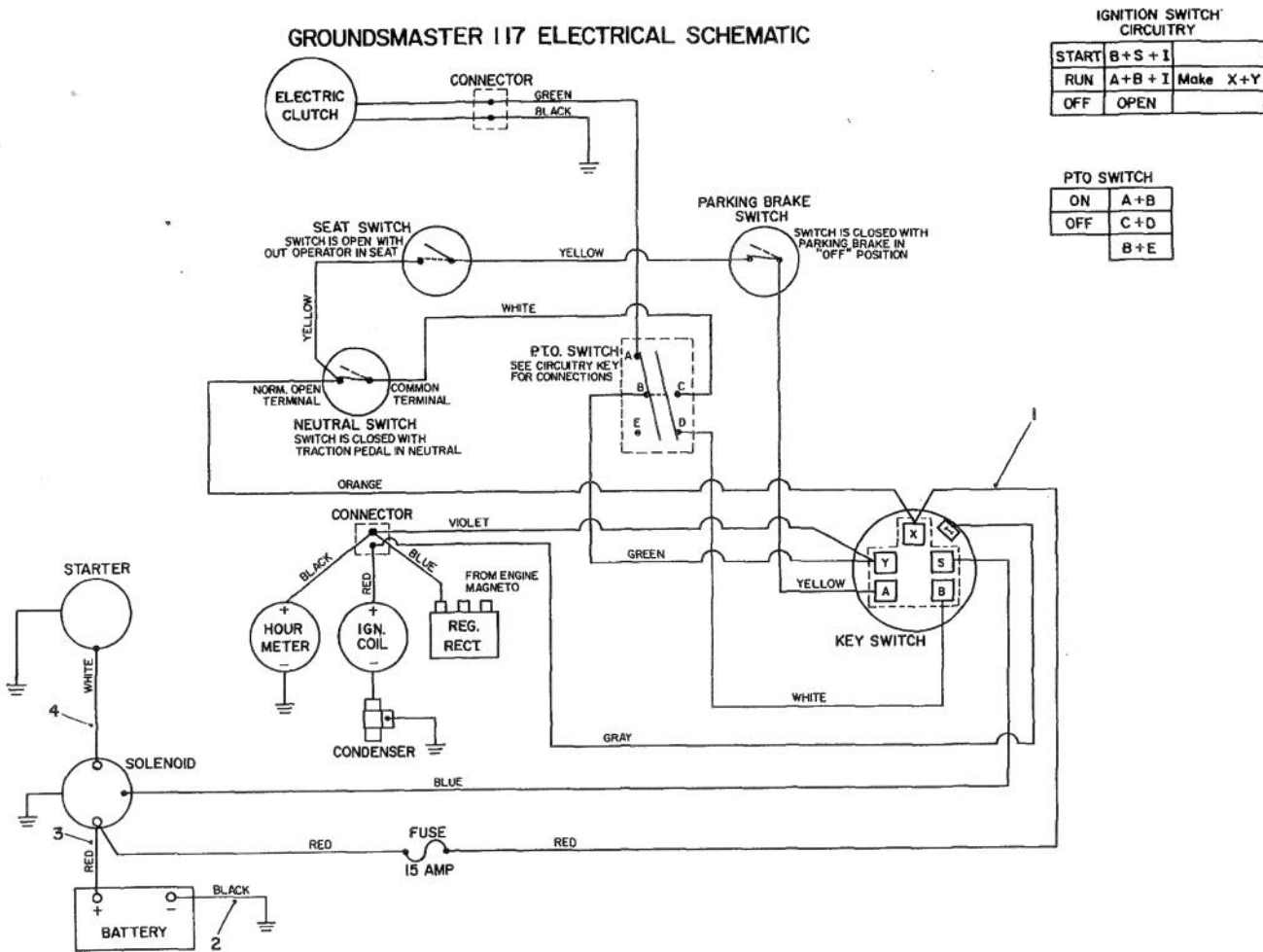


CLUTCH ASSEMBLY NO. 54-0220

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

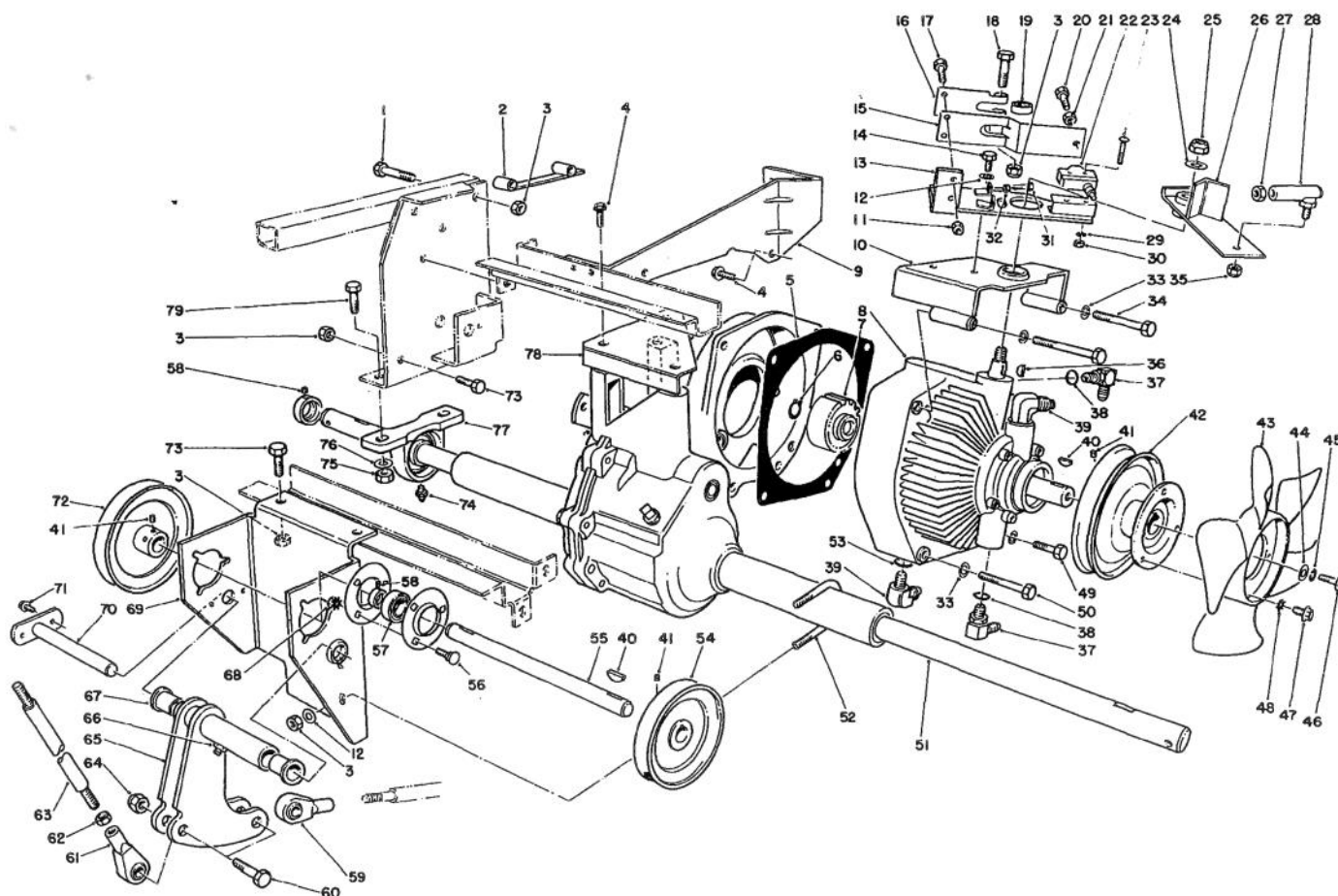
GROUNDMASTER 117 ELECTRICAL SCHEMATIC



ELECTRICAL SCHEMATIC

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

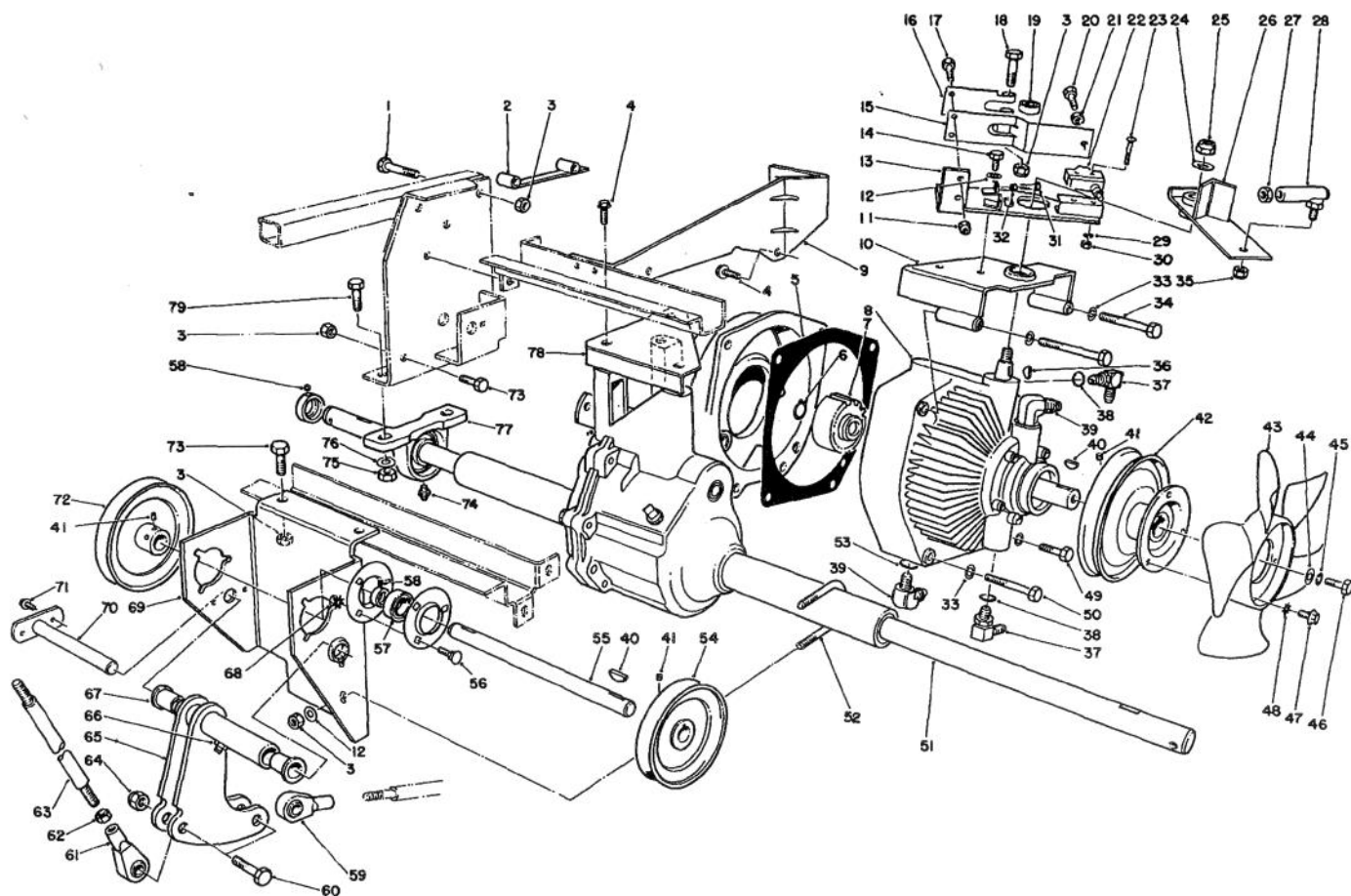
Ref. No.	Part No.	Description	No. Used
3	54-2030	Wire Assembly	1
4	54-2031	Wire Assembly	1



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

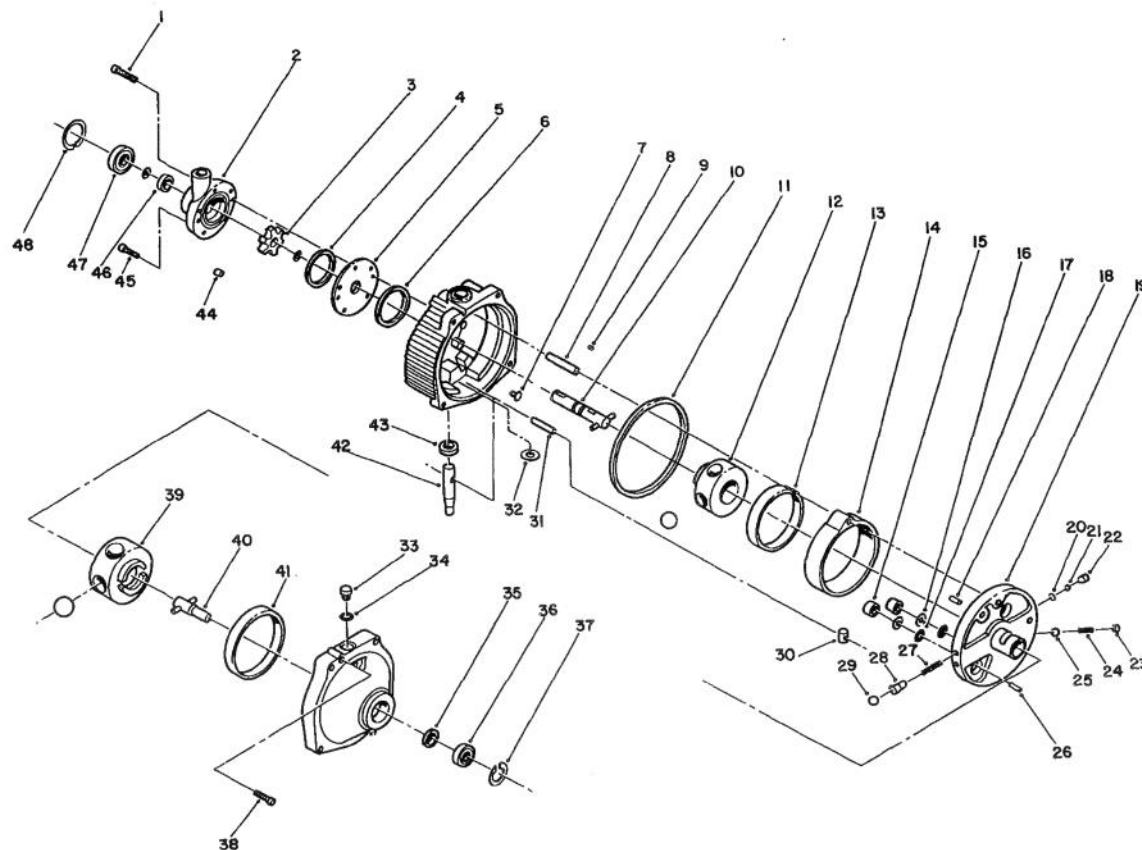
Ref. No.	Part No.	Description	No. Used
23	3249-11	Screw — Rd. Hd.	2
24	3256-26	Washer — Flat	1
25	3296-23	Nut — Lock	1
26	56-6930	Traction Lever	1
27	3220-1	Nut — Hex Jam	1
28	2411-34	Ball Joint	1
29	3254-9	Washer — Lock	2
30	3217-16	Nut — Hex Brass	2
31	322-6	Capscrew — Hex Hd.	2
32	3218-2	Nut — Jam	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	350-370	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

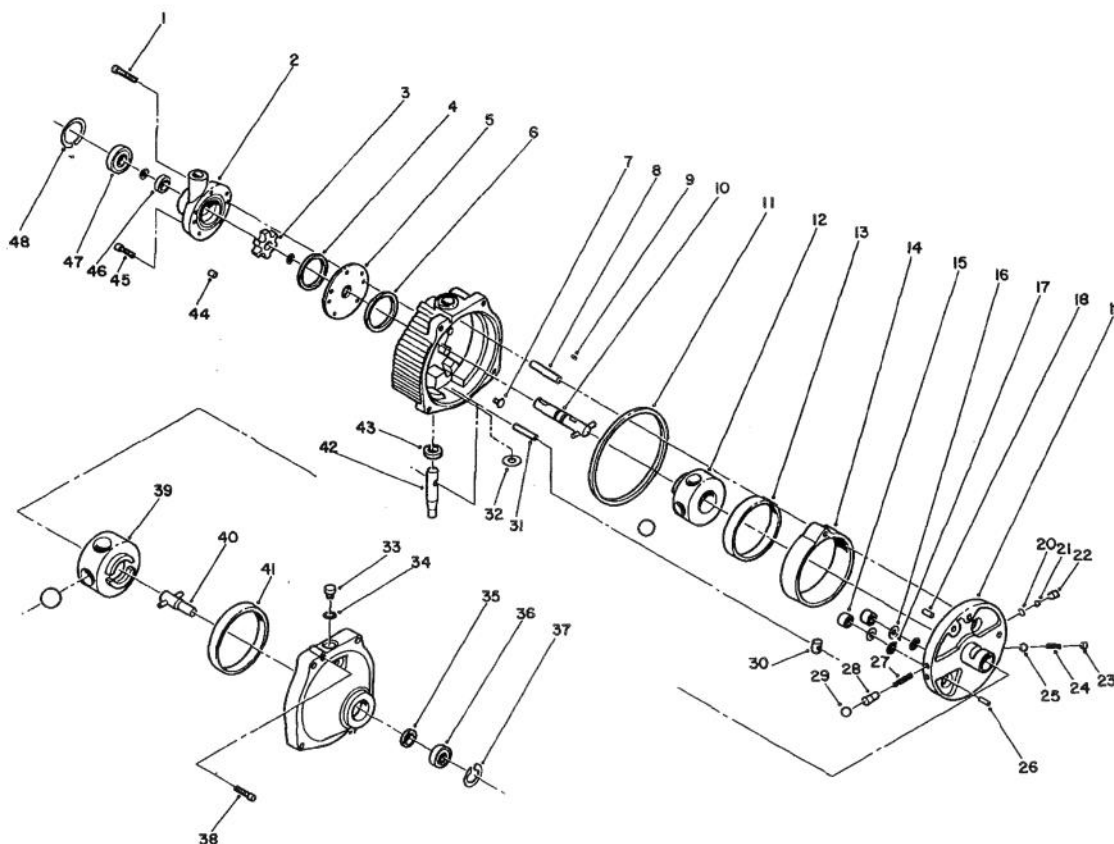
Ref. No.	Part No.	Description	No. Used
63	54-1490	Rod — Steering	1
64	32152-9	Nut — Lock	2
65	54-2060	Bellcrank (Incl. Ref. #66 & 67)	1
66	302-49	Fitting — Grease	1
67	46-6680	Bushing — Flanged	2
68	32149-1	Nut — Lock	6
69	60-9130	Bracket — Jackshaft	1
70	59-1470	Shaft — Bellcrank	1
71	46-8560	Screw — 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



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	56-3160	Dowel	1
32	56-3150	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



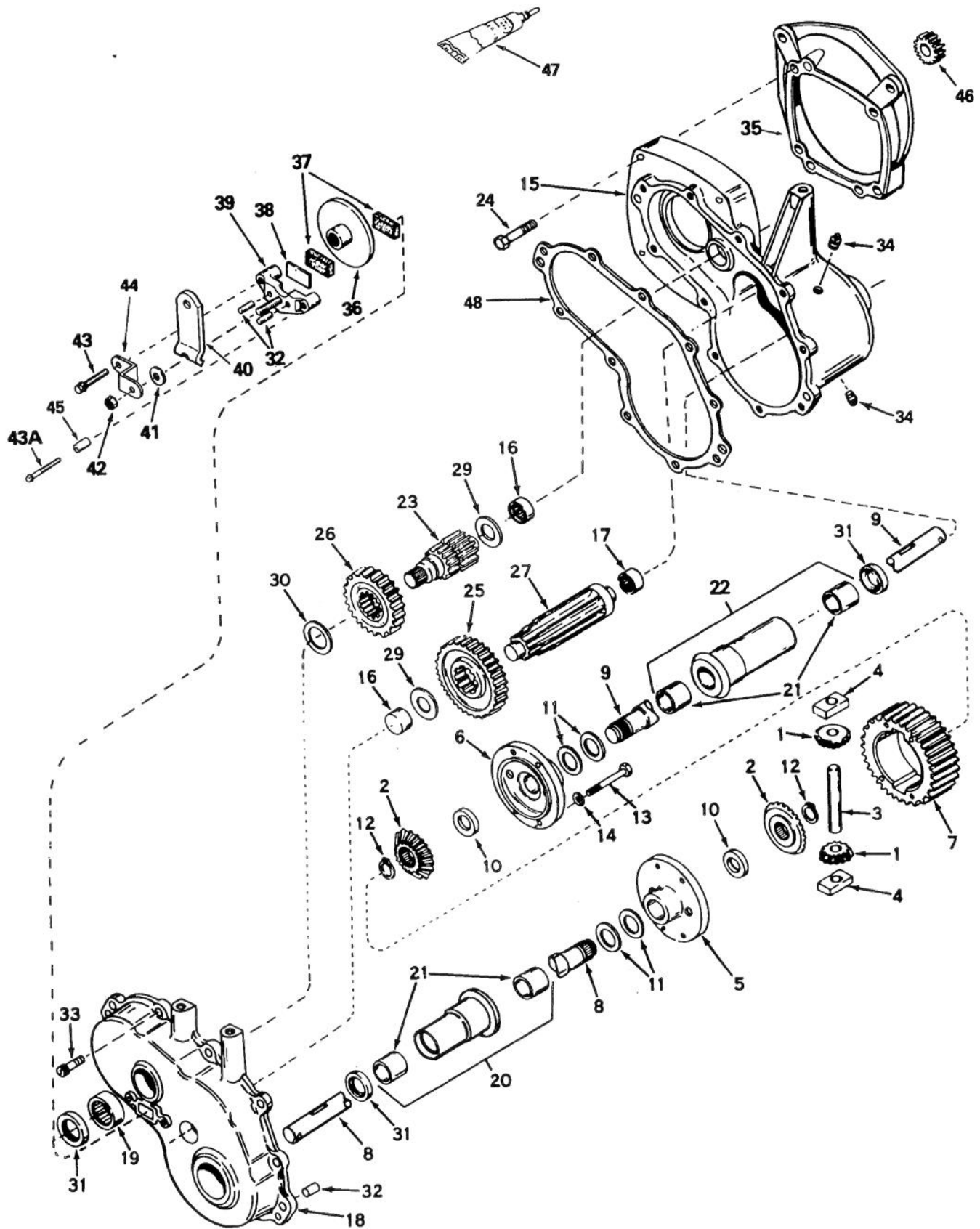
HYDROSTATIC TRANSMISSION (Continued)

Ref. No.	Part No.	Description	No. Used
42	56-3140	Control Shaft Kit (Incl. Ref. #33 & 34)	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

*Not Illustrated

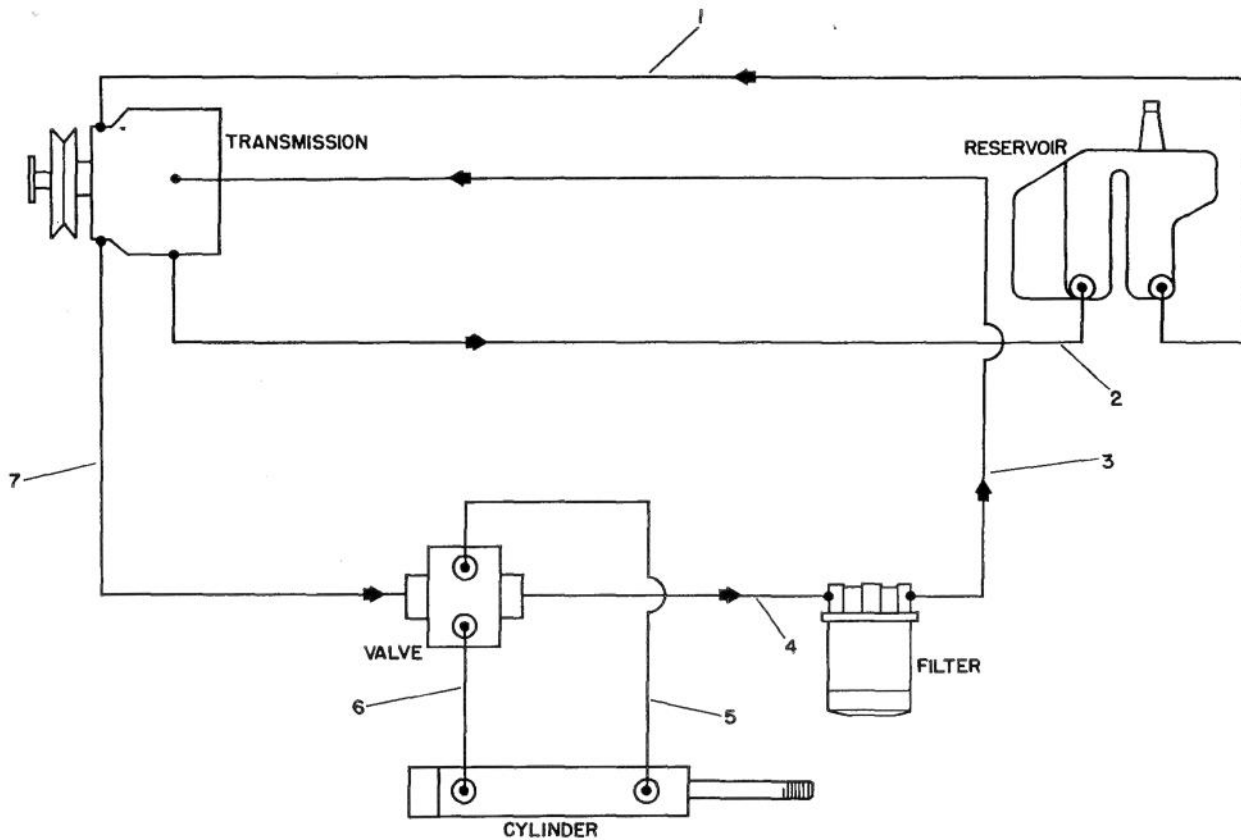
GEAR REDUCTION & DIFFERENTIAL NO. 1310-001



GEAR REDUCTION & DIFFERENTIAL NO. 1310-001

Ref. No.	Part No.	Description	No. Used
1	778014	Pinion — Bevel	1
2	778039	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. 2 of No. 21)	1
21	780054	Bushing	1
22	782042A	Housing & Bushing Assembly (8-5/8" long) (Incl. 2 of No. 21)	1
23	776245	Shaft — Brake	1
24	792120	Screw — Hex Hd.	1

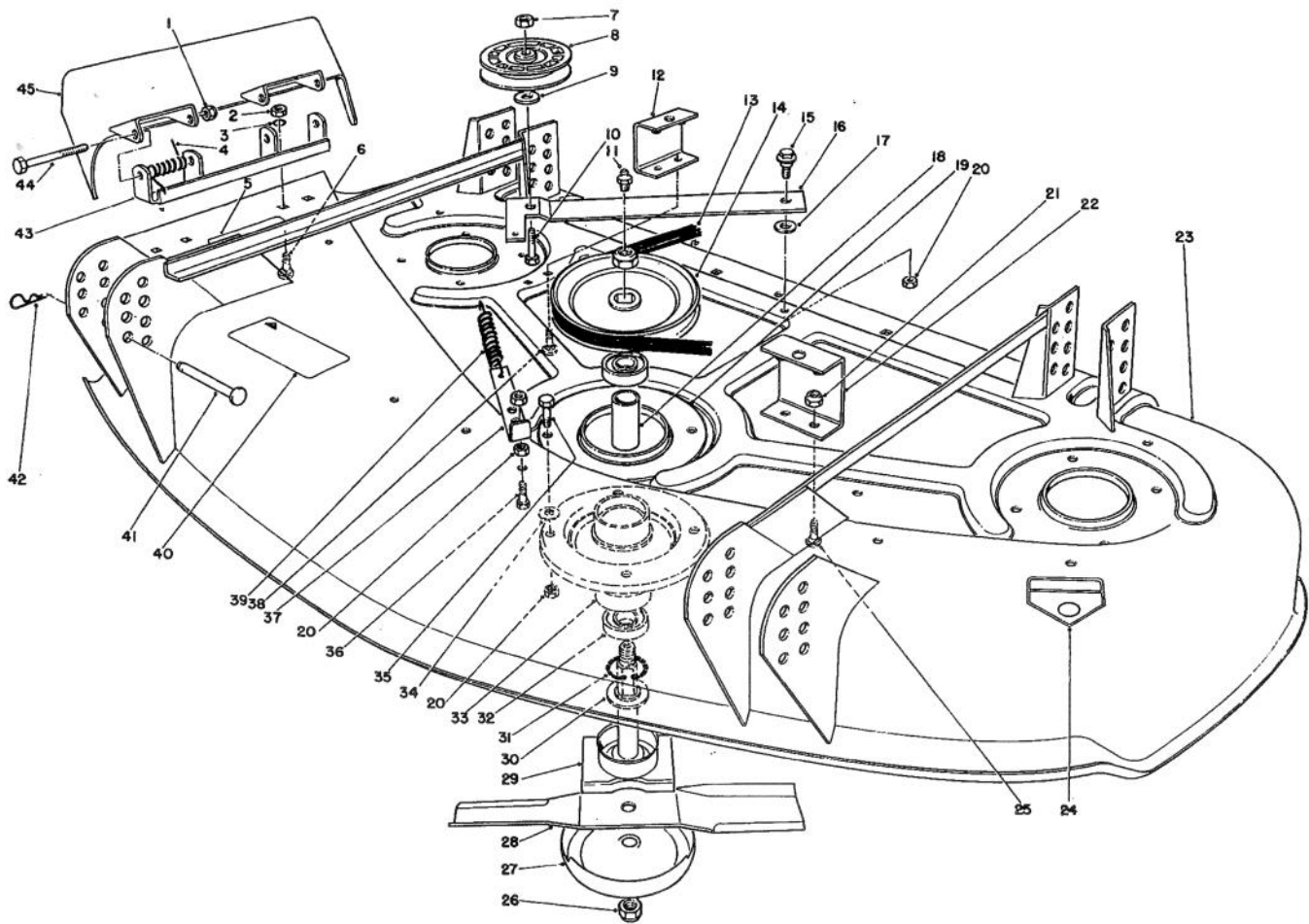
Ref. No.	Part No.	Description	No. Used
25	778036	Gear — Output	1
26	778037	Gear — Idler	1
27	776244	Shaft — Output	1
29	780001	Washer	1
30	780090	Washer	1
31	788008	Seal — Oil	1
32	786026	Pin — Dowel	1
33	792046	Screw — Hex Washer Hd. Thread Forming	1
34	792010	Plug — Pipe	1
35	786112	Plate — Adapter	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

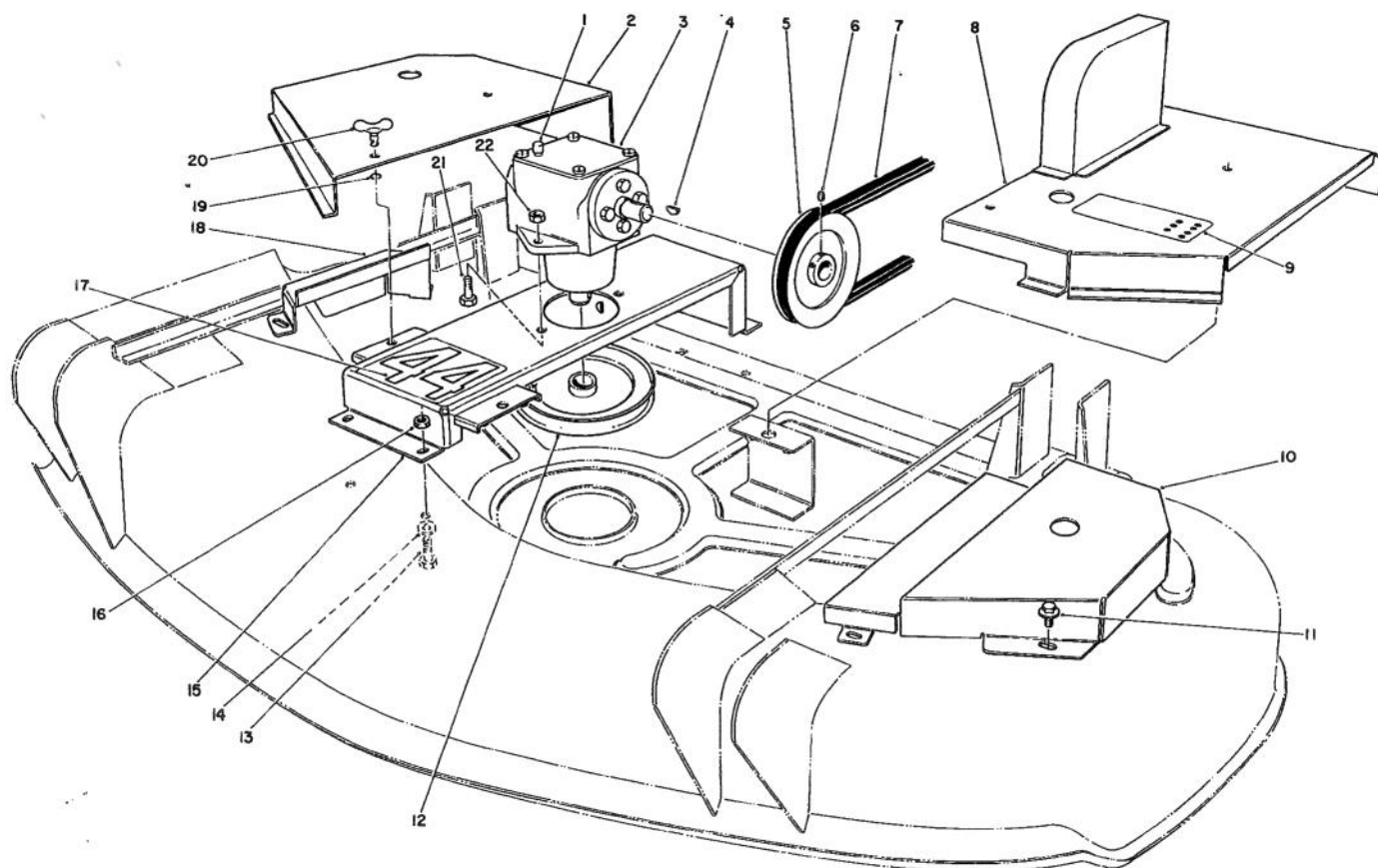
Ref. No.	Part No.	Description	No. Used
5	54-2610	Hose Assembly — Cylinder to Valve	1
6	54-2620	Hose Assembly — Cylinder to Valve	1
7	54-2590	Hose Assembly — Transmission to Valve	1



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	3230-20	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 Head	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	15
21	3296-16	Nut — Lock	4
22	55-7060	Bracket — Cover (L.H.)	1
23	54-0700	44" Deck Assembly	1

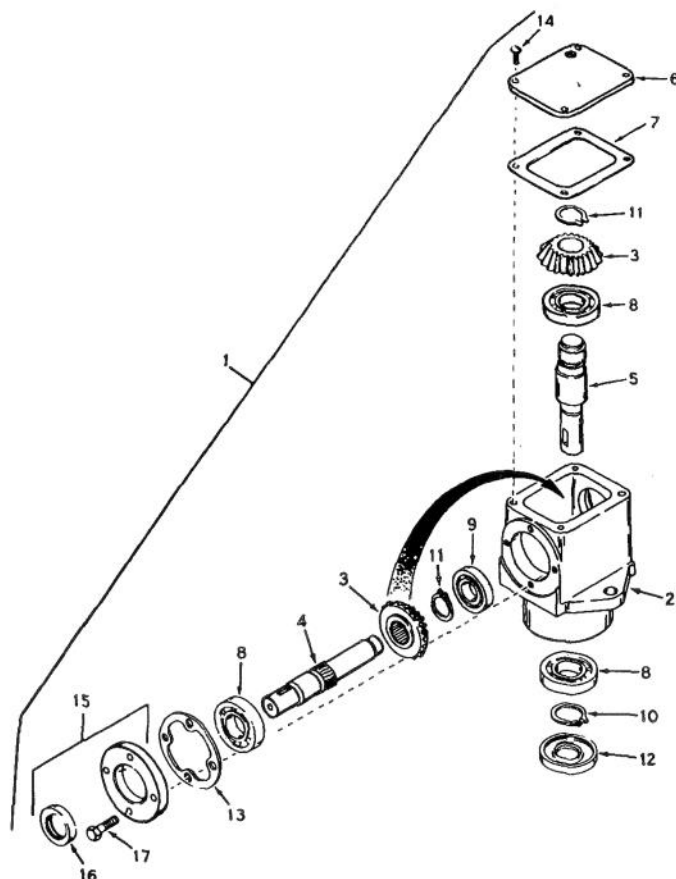
Ref. No.	Part No.	Description	No. Used
24	43-8480	Decal — Danger	1
25	3229-3	Carriage Bolt	2
26	3296-41	Nut — Special	6
27	7-3522	Cup — Anti Scalp	3
28	54-0010	Blade	3
29	47-0094	Shaft — Spindle	3
30	47-0110	Spacer — Spindle	3
31	32120-11	Ring — Retaining	3
32	251-318	Bearing	6
33	54-0160	Tube — Spindle	3
34	3256-24	Washer — Flat	A/R
35	322-4	Screw — Cap Hex Head	12
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	54-2660	Deflector — Grass	1



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

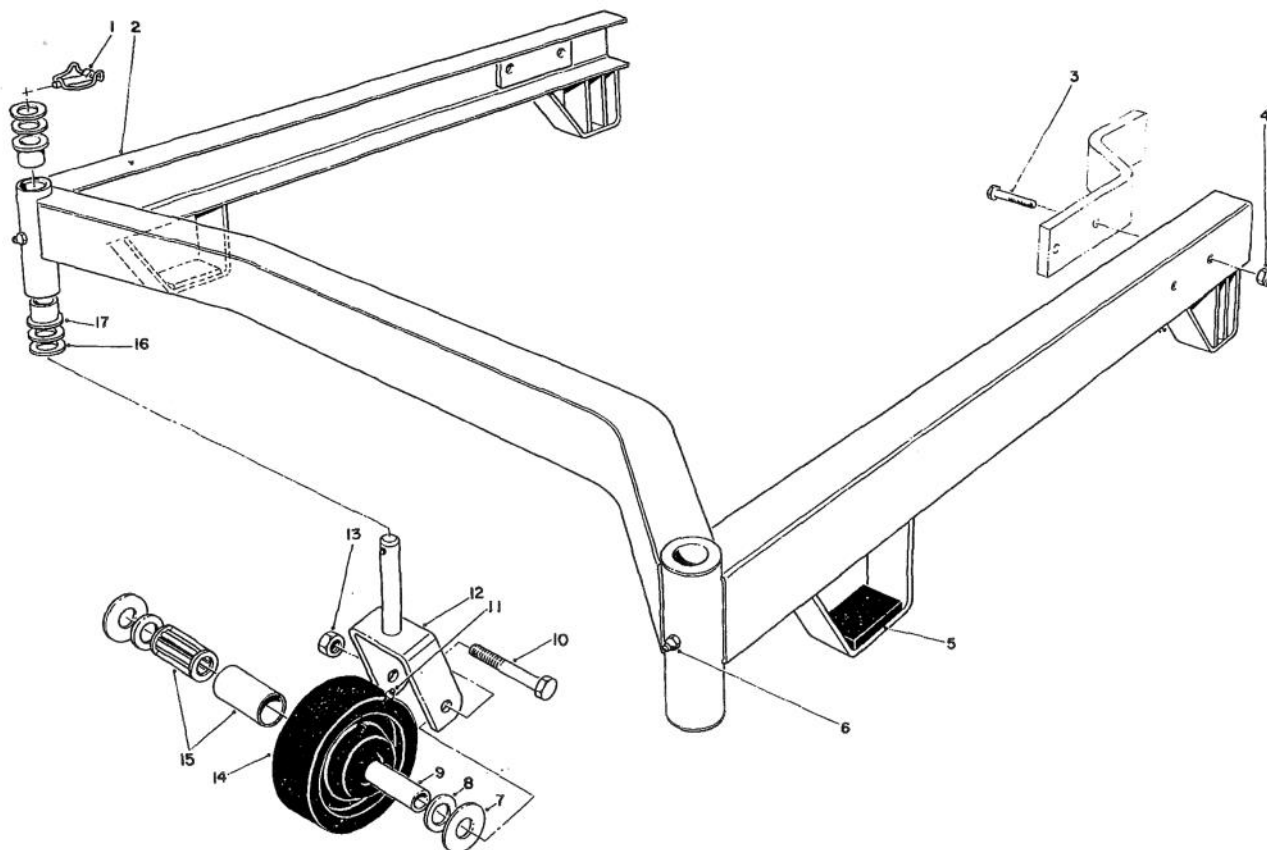


CUTTING UNIT MODEL NO. 30544 (Continued)

Right Angle Drive Head No. 54-2320

Ref. No.	Part No.	Description	No. Used
1	794375	Head Assembly — R.H. (Incl. Ref. # 2-15 & 18)	1
2	770026A	Housing — Right Angle Drive	1
3	778101	Gear — Miter	1
4	776196	Shaft — Input	1
5	776153	Shaft — Output	1
6	772093	Cover — R.H.	1
7	788028	Gasket — Cover	1
8	780034	Bearing — Ball	1
9	780024	Bearing — Ball	1

Ref. No.	Part No.	Description	No. Used
10	788019	Ring — Snap	1
11	788018	Ring — Snap	1
12	788029	Seal — Oil	1
13	788030	Gasket — Cap	1
14	792025	Screw — Rd. Head Self-Tap	1
15	786029	Cap & Seal Assembly — Retainer (Incl. Ref. #16 & 17)	1
16	788031	Seal — Oil	1
17	792026	Screw — Hex Head	1

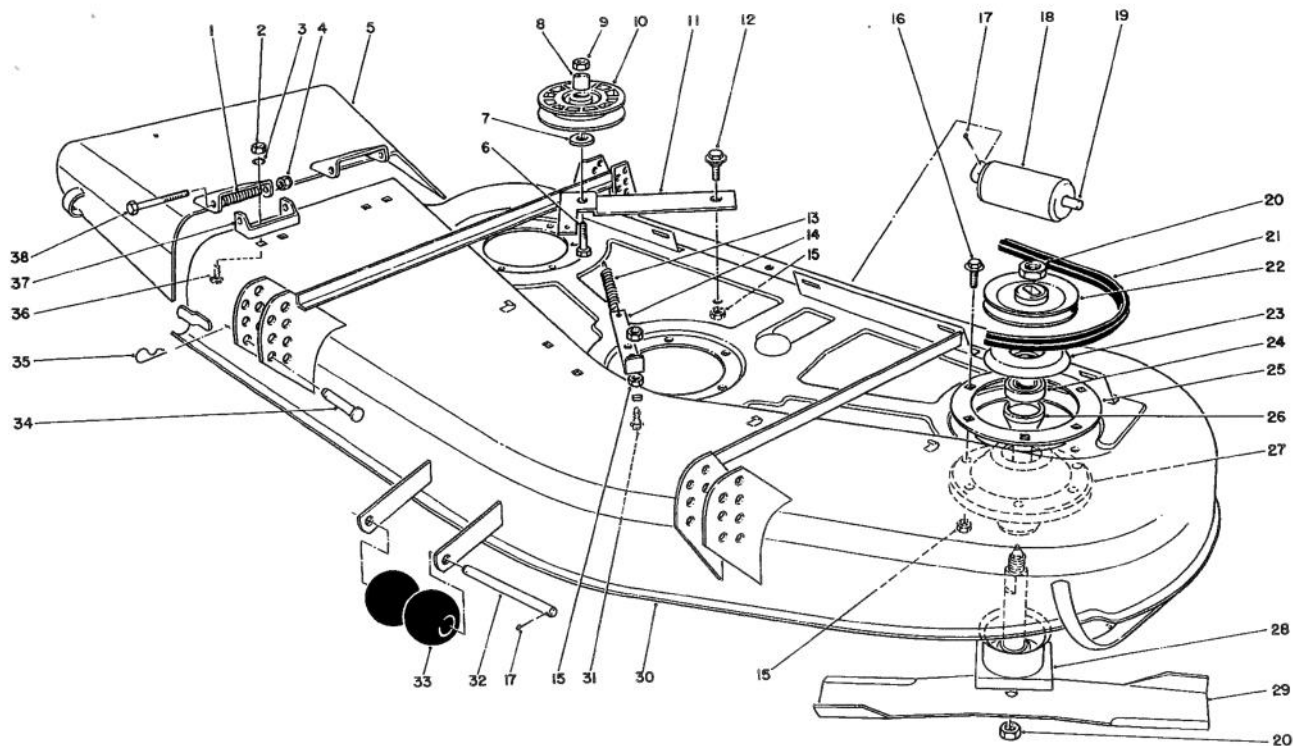


CUTTING UNIT MODEL NO. 30544 (Continued)

Ref. No.	Part No.	Description	No. Used
1	3290-384	Pin — Lunch	2
2	54-0800	44" Suspension Assembly (Incl. Ref. #6 & 17)	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	27-1170	Washer — Thrust	4
8	27-1180	Retainer — Bearing	4
9	27-1200	Bushing — Spanner	2

Ref. No.	Part No.	Description	No. Used
10	328-9	Capscrew — Hex Hd.	2
11	302-55	Fitting — Grease	2
12	40-0370	Fork — Caster	2
13	32153-6	Nut — Lock	2
14	27-1190	Wheel	2
15	27-1210	Bearing — Roller	2
16	3-6781	Washer — Thrust	8
17	28-9290	Bushing	4
*	27-1050	Castor Wheel Assembly (Incl. Ref. #7-9, 11, 14 & 15)	2

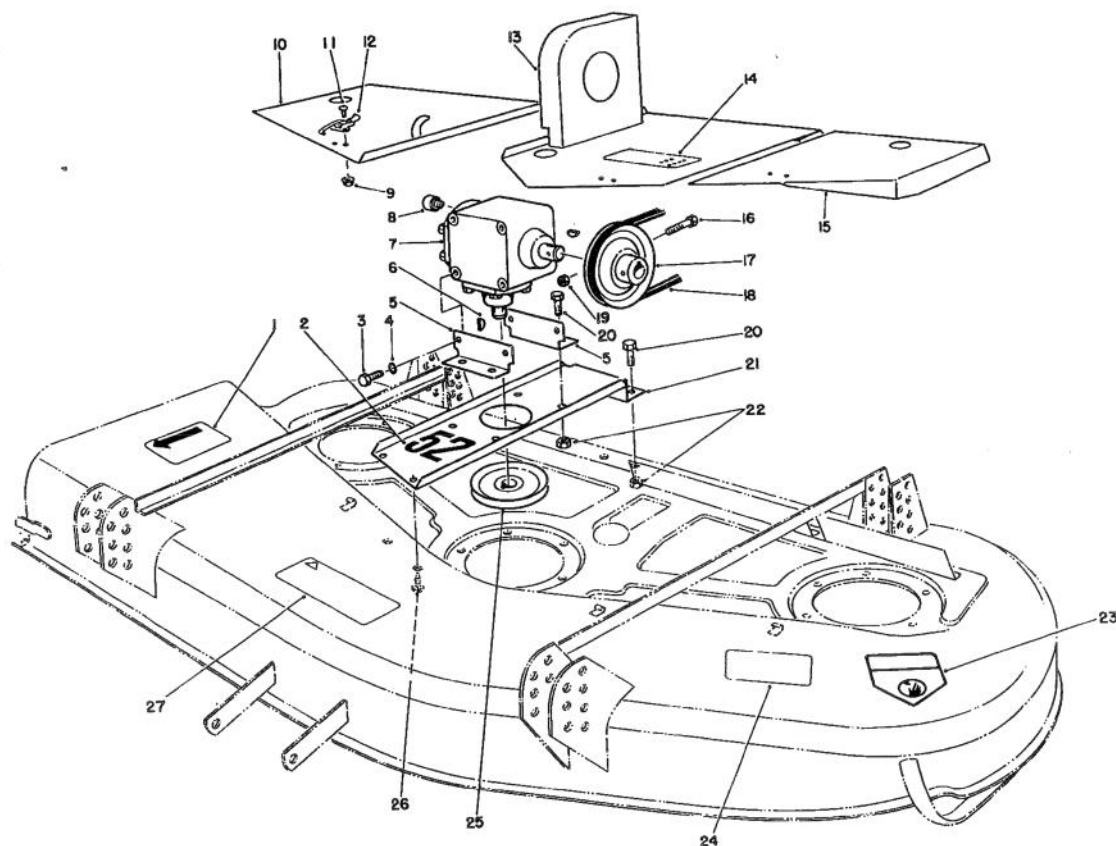
*Not Illustrated



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 Hd.	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 Hd. Flange	18
17	3272-11	Cotter Pin	4
18	36-1740	Roller — Deck	2
19	40-0340	Shaft — Rear Roller	2

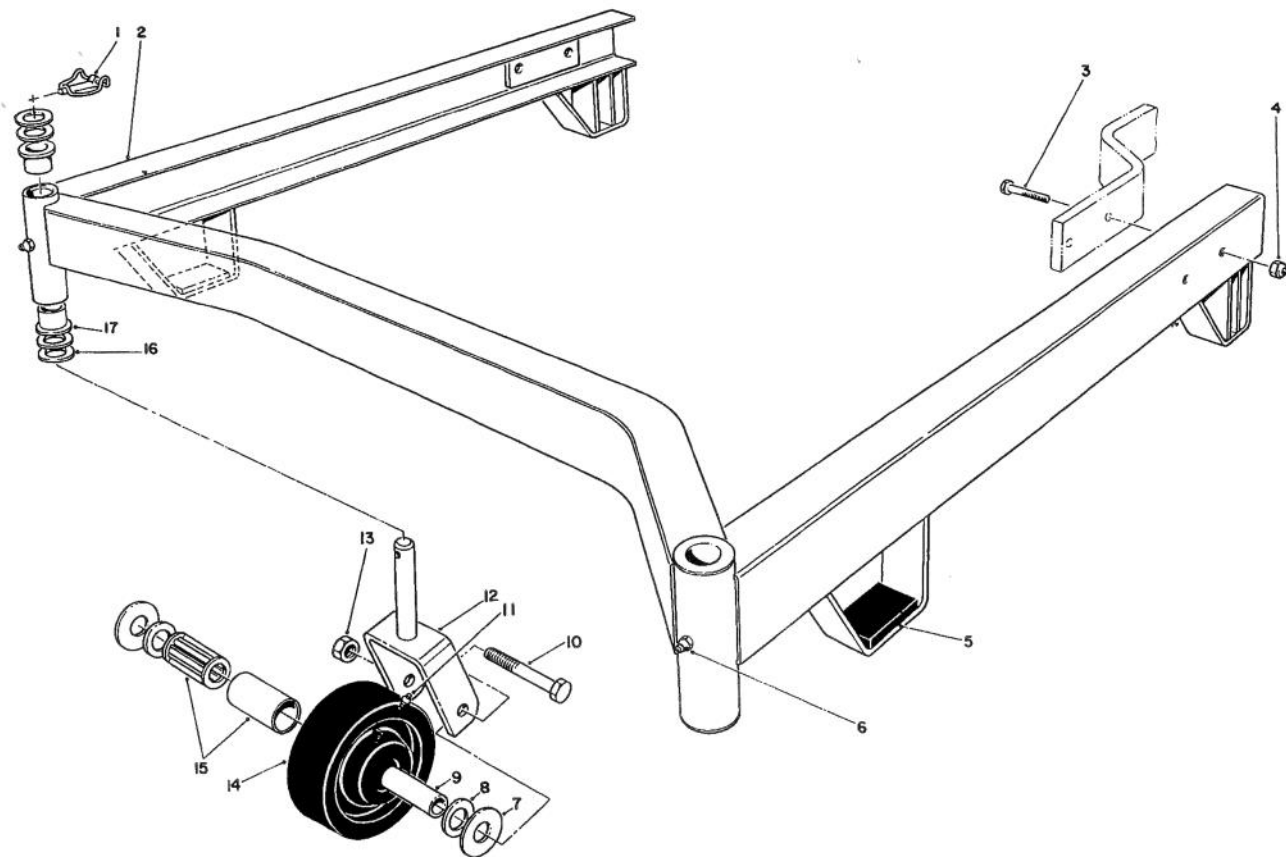
Ref. No.	Part No.	Description	No. Used
20	32146-19	Nut — Lock	6
21	56-5560	Belt — Deck	1
22	51-3520	Pulley	3
23	39-7690	Dust Cover	3
24	40-6340	Bearing	3
25	27-7680	Ring Deck Support	3
26	40-6320	Spacer w/Grease Shield	3
27	40-6330	Housing Assembly	3
28	40-6310	Shaft & Saddle Assembly	3
29	40-3760	Blade	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 Hd.	2



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	56-5410	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	56-5420	Pulley	1
26	26-0430	Carriage Bolt	2
27	56-5670	Decal — Warning	1



CUTTING UNIT MODEL NO. 30753 (Continued)

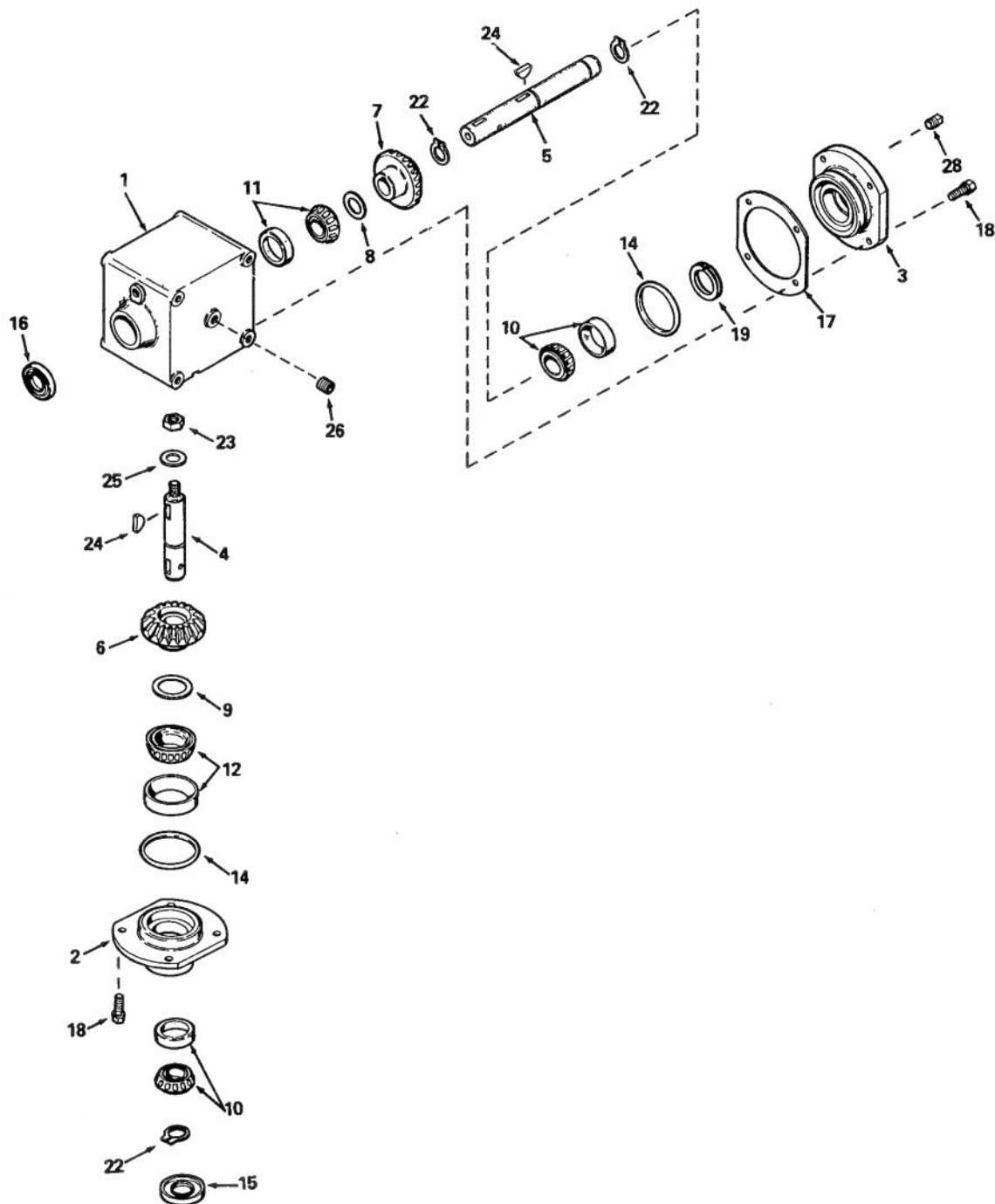
Ref. No.	Part No.	Description	No. Used
1	3290-384	Pin — Lynch	2
2	55-4630	52" Suspension Assembly (Incl. Ref. #6 & 17)	1
3	323-9	Screw — Cap Hex Head	4
4	32152-2	Nut — Hex	4
5	54-2700	Cushion — Rubber	2
6	302-5	Fitting — Grease	2
7	27-1170	Washer — Thrust	4
8	27-1180	Retainer — Bearing	4
9	27-1200	Bushing Spanner	2
10	328-9	Hex Hd. Capscrew	2
11	302-55	Fitting — Grease	2
12	40-0370	Fork — Caster	2

Ref. No.	Part No.	Description	No. Used
13	32153-6	Hex Nut	2
14	27-1190	Wheel	2
15	27-1210	Bearing Roller	2
16	3-6781	Washer — Thrust	8
17	28-9290	Bushing	4
*	27-1050	Castor Wheel Assembly (Incl. Ref. #7-9, 11, 14 & 15)	2
*	54-8820	Pneumatic Castor Wheel Assembly (Optional)	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.

CUTTING UNIT MODEL NO. 30753 (Continued) **GEAR BOX ASSEMBLY MODEL NO. 1100-010**

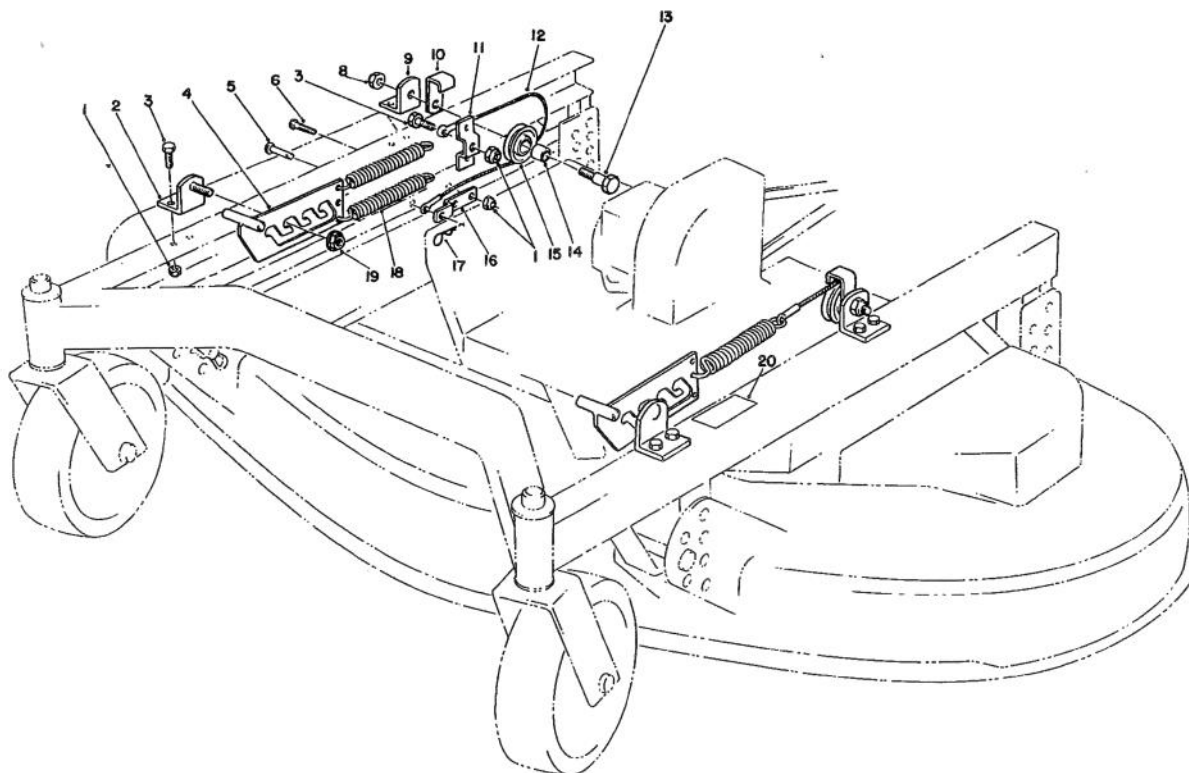


CUTTING UNIT MODEL NO. 30753 (Continued)

GEAR BOX ASSEMBLY MODEL NO. 1100-010

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 <i>must</i> be used in this location. All old shim washers <i>must</i> be discarded.)	1

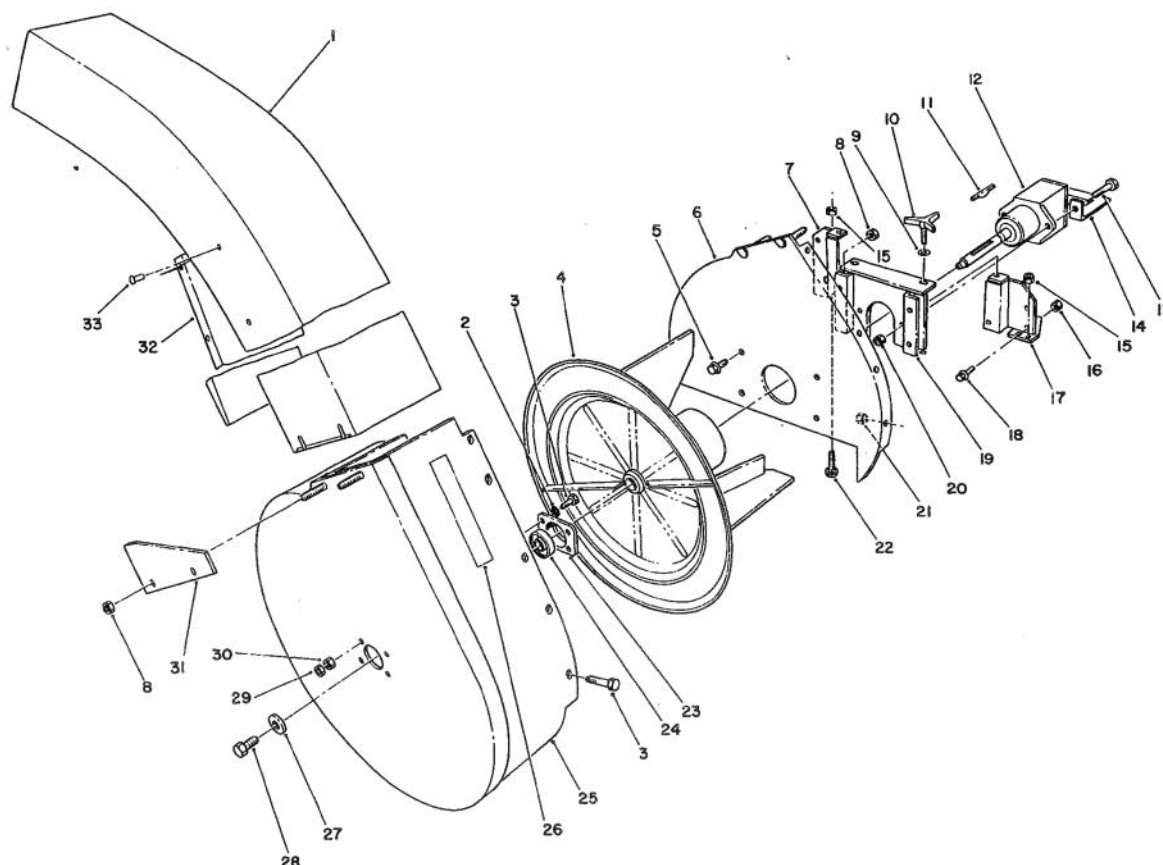
Ref. No.	Part No.	Description	No. Used
12	780134	Bearing & Cup Assembly (This is a factory sized assembly and may or may not include Ref. #9 shim washer. If Ref. #9 shim washer is included, it <i>must</i> be used in this location. All old shim washers <i>must</i> be discarded.)	1
14	788063	"o" Ring	1
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



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

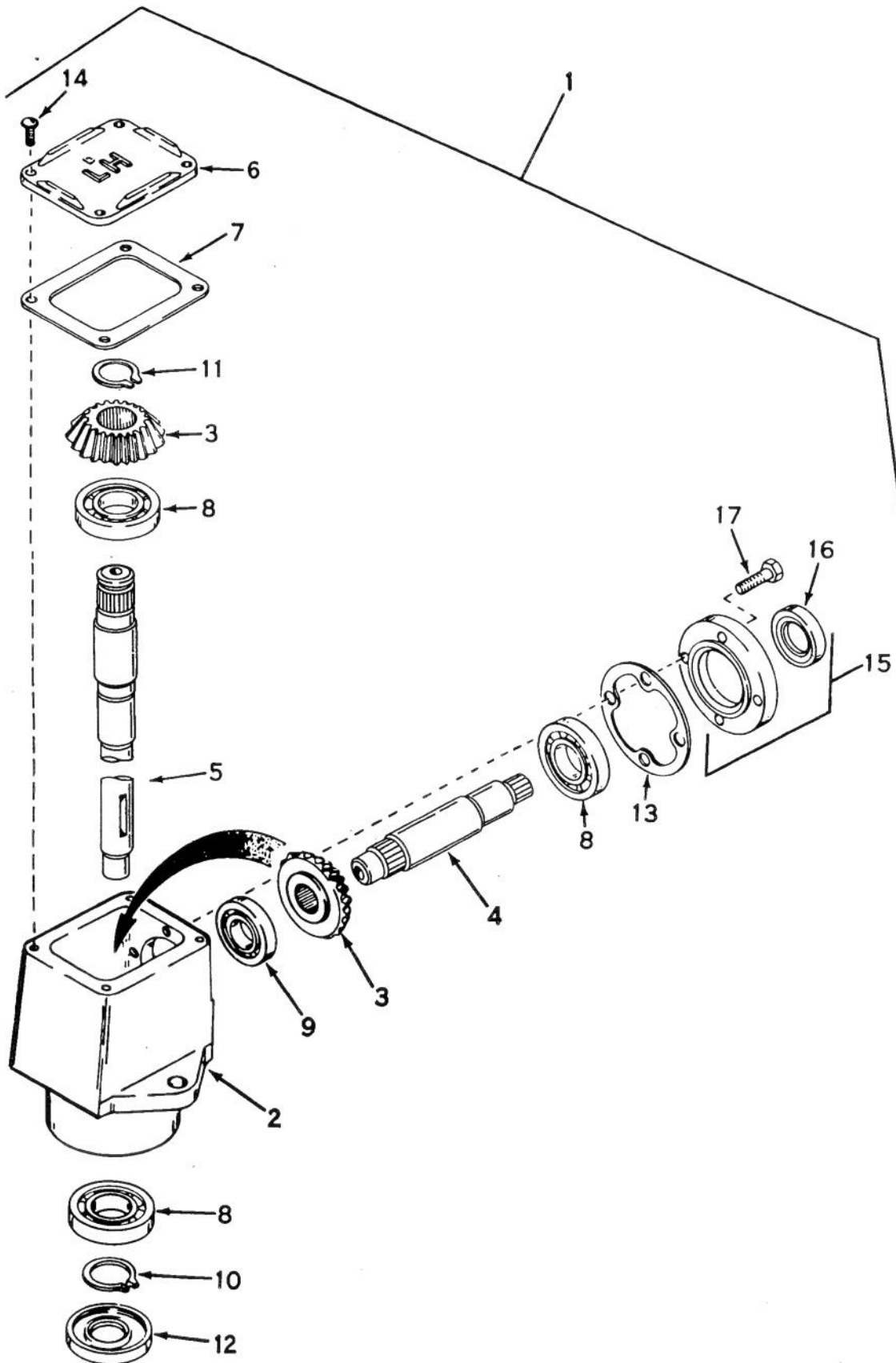


GRASS COLLECTION SYSTEM MODEL NO. 30751 (Optional)

Ref. No.	Part No.	Description	No. Used
1	56-5220	Chute Assembly (Incl. Ref. #32 & 33)	1
2	3254-8	Int. Tooth Lockwasher	4
3	321-3	Hex Hd. Capscrew	13
4	56-4780	Impeller	1
5	3234-5	Washer Hd. Capscrew	4
6	56-4760	Mounting Plate	1
7	56-5080	Blower Mount L.H.	1
8	3296-29	Hex Nut	8
9	3256-24	Flat Washer	2
10	27-4571	Knob	2
11	3257-40	Key	1
12	53-4530	Gear Box Assembly	1
13	323-6	Hex Hd. Capscrew	2
14	56-5260	Cover — Gear Box	1
15	32149-1	Nut	5
16	3218-3	Jam Nut	4

Ref. No.	Part No.	Description	No. Used
17	56-5040	Blower Mount R.H.	1
18	3234-11	Flange Screw	4
19	56-4710	Blower Mount	1
20	3296-44	Hex Nut	2
21	3296-42	Hex Nut	9
22	3230-18	Bolt Carriage	2
23	37-6730	Cup — Bearing	1
24	38-7820	Ball Bearing	1
25	12-1649	Blower Housing	1
26	43-1110	Decal — Warning	1
27	43-0940	Spacer	1
28	36-4030	Hex Hd. Capscrew	1
29	3218-1	Jam Nut	4
30	3217-5	Hex Nut	4
31	43-0960	Bracket	2
32	56-4630	Deflector	1
33	3290-409	Pop Rivet	6

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

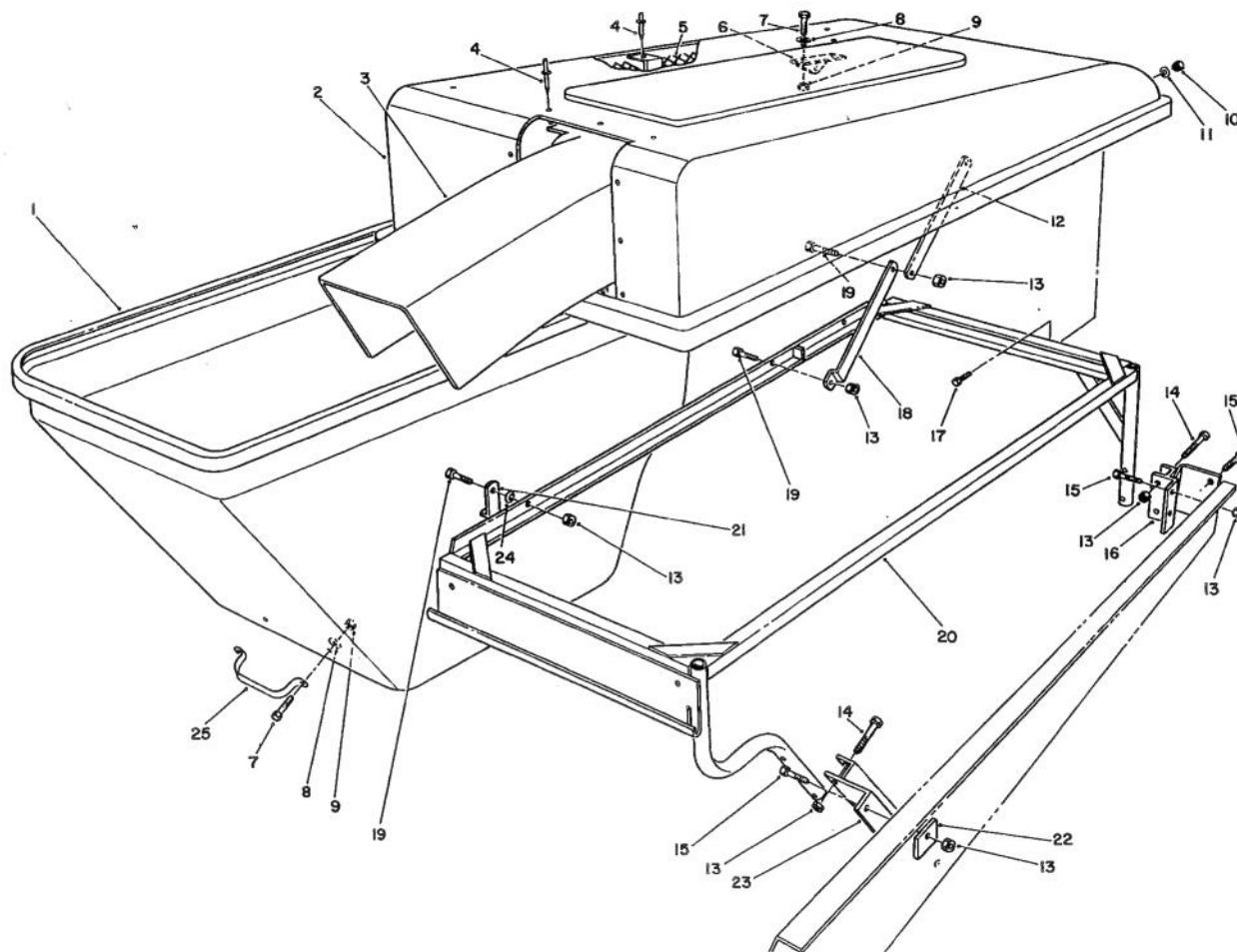


GRASS COLLECTION SYSTEM MODEL NO. 30751 (Optional) (Continued)

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

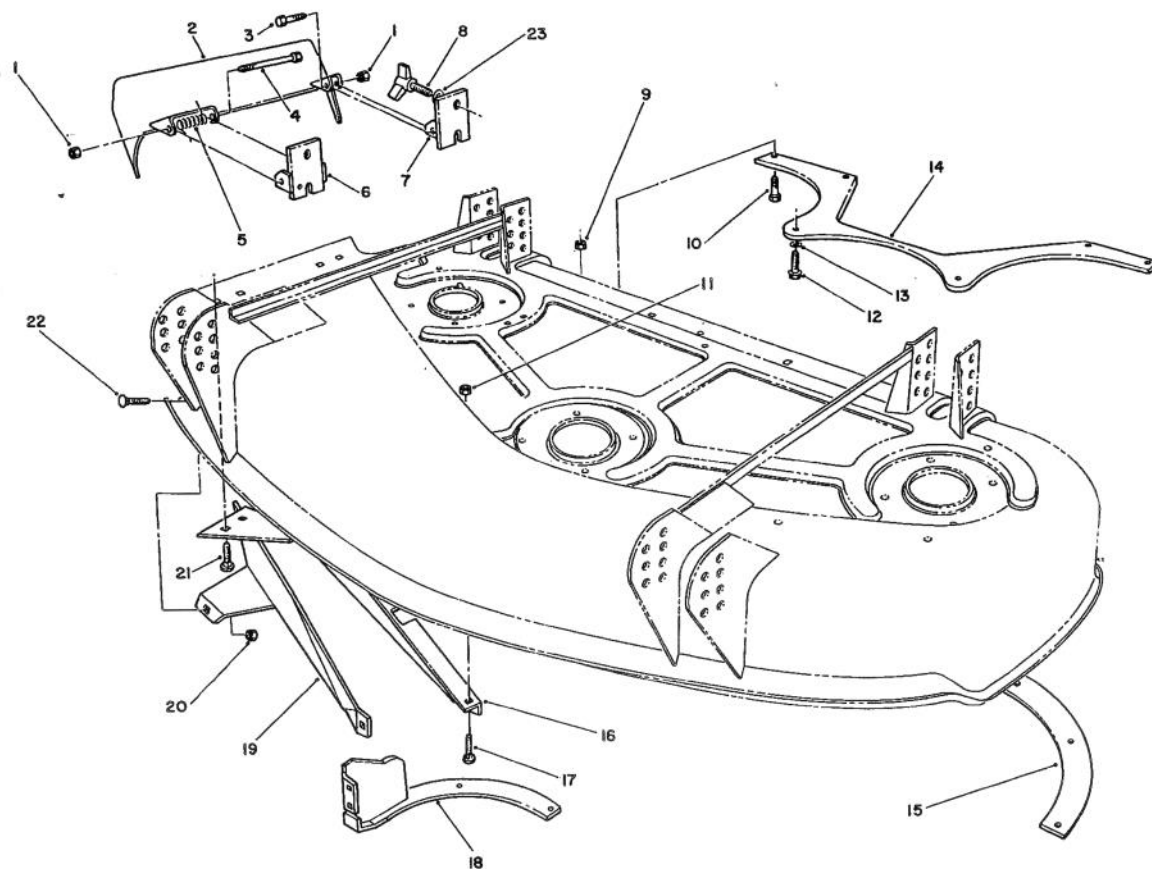
Ref. No.	Part No.	Description	No. Used
10	788019	Ring — Snap	1
11	788018	Ring — Snap	1
12	788029	Seal — Oil	1
13	788030	Gasket — Cap	1
14	792025	Screw — Rd. Hd. Self-Tap	4
15	786029	Cap & Seal Assy. — Retainer (Incl. Ref. #16 & 17)	1
16	788031	Seal — Oil	1
17	792026	Screw — Hex Hd.	4



GRASS COLLECTION SYSTEM MODEL NO. 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	1
7	321-3	Hex Hd. Capscrew	4
8	3256-55	Washer — Flat	4
9	3296-16	Hex Nut	4
10	3296-2	Hex Nut	5
11	3256-14	Flat Washer	14
12	56-4670	Link — Bag	1
13	3296-29	Hex Nut	16

Ref. No.	Part No.	Description	No. Used
14	322-10	Hex Hd. Capscrew	5
15	322-5	Hex Hd. Capscrew	6
16	56-4500	Rear Mtg. Bracket	1
17	3290-134	Hex Hd. Capscrew	5
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

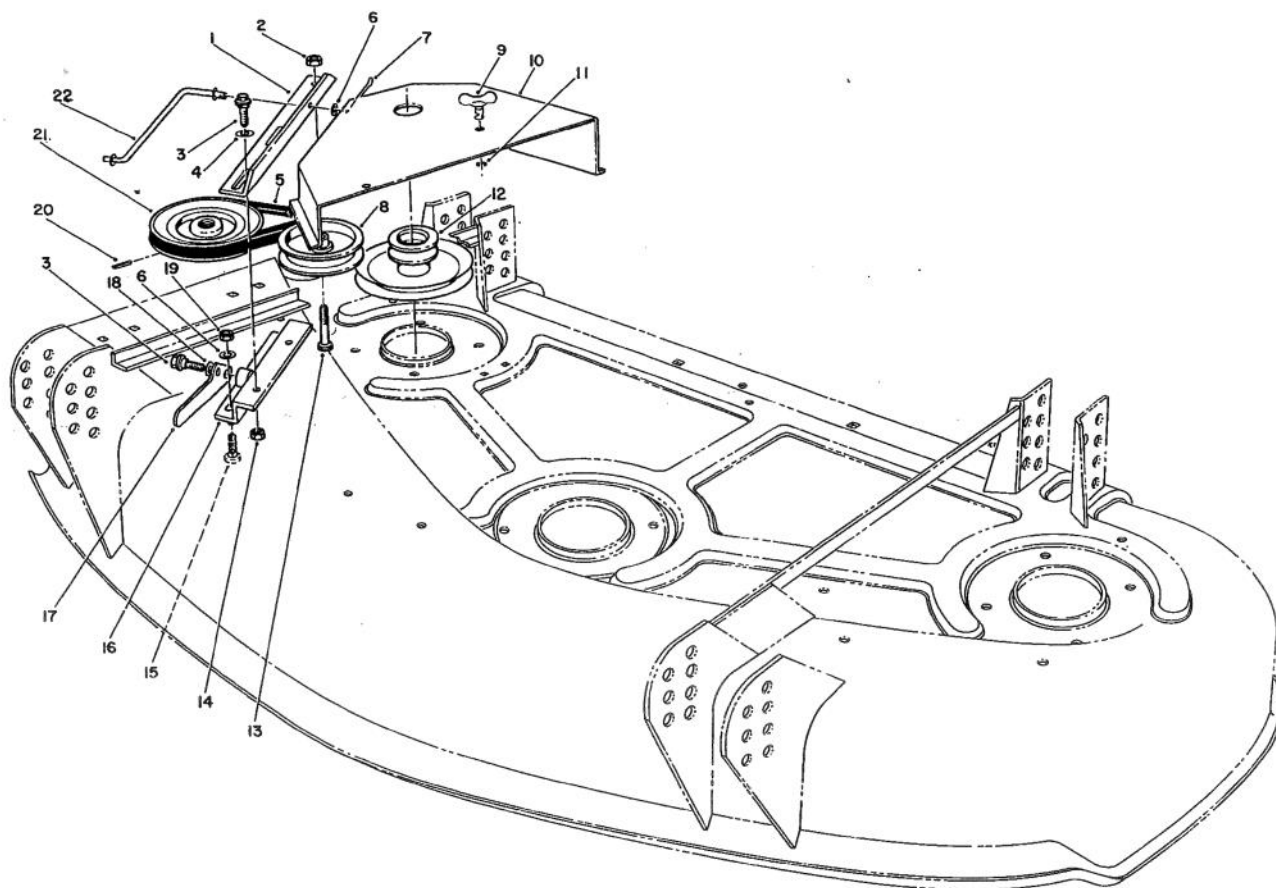


GRASS COLLECTION SYSTEM MODEL NO. 30751 (Optional) (Continued)

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



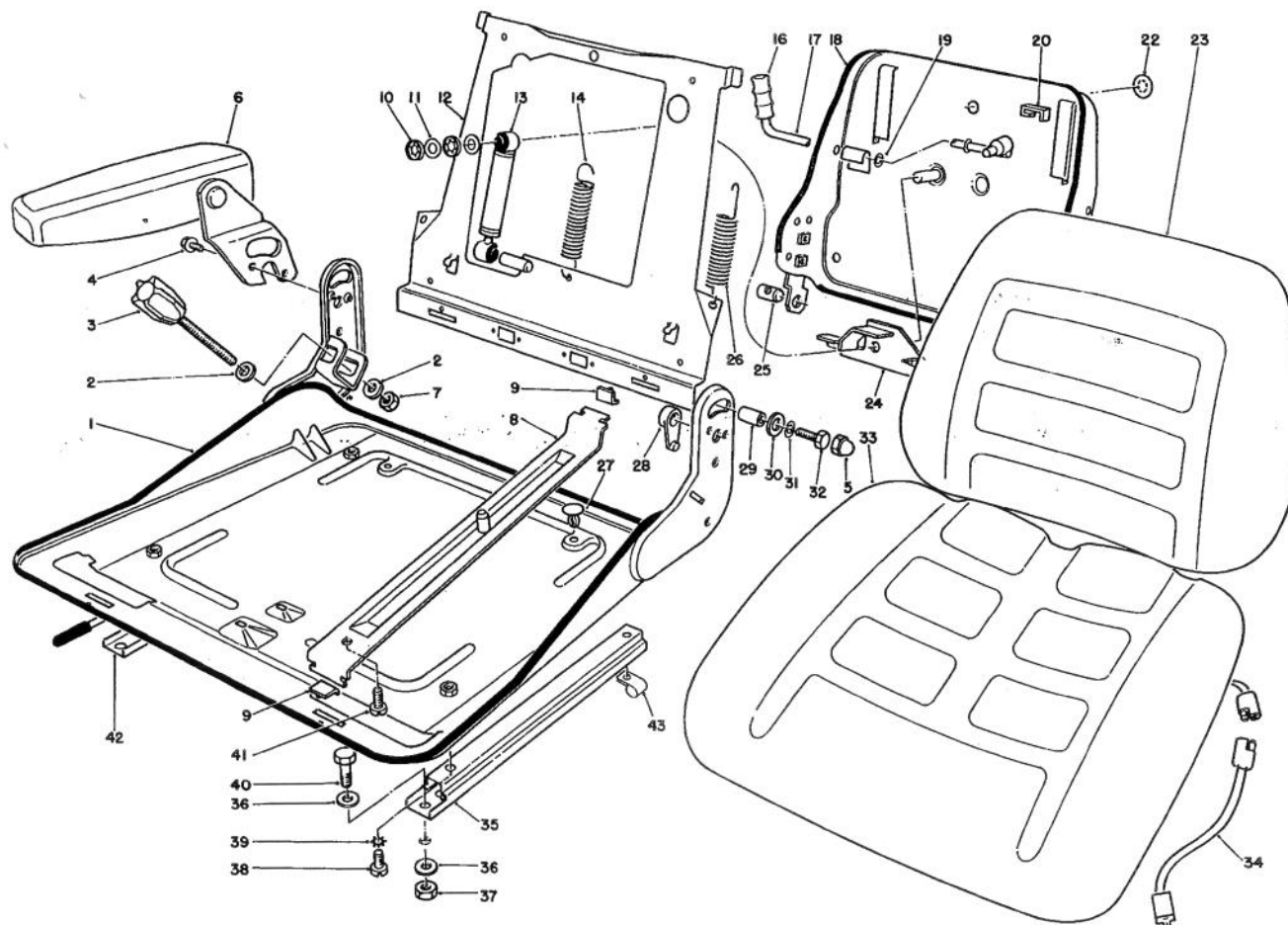
GRASS COLLECTION SYSTEM MODEL NO. 30751 (Optional) (Continued)

Ref. No.	Part No.	Description	No. Used
1	56-4910	Slide — Idler	1
2	3296-44	Hex Nut	1
3	19-1470	Bolt — Shoulder	3
4	36-4791	Washer — Flat	2
5	53-4650	V-Belt	1
6†	3256-23	Washer	6
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

Ref. No.	Part No.	Description	No. Used
14	3296-29	Hex Nut	2
15	3230-18	Carriage Bolt	2
16	56-4870	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	56-4930	Rod — Idler	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.

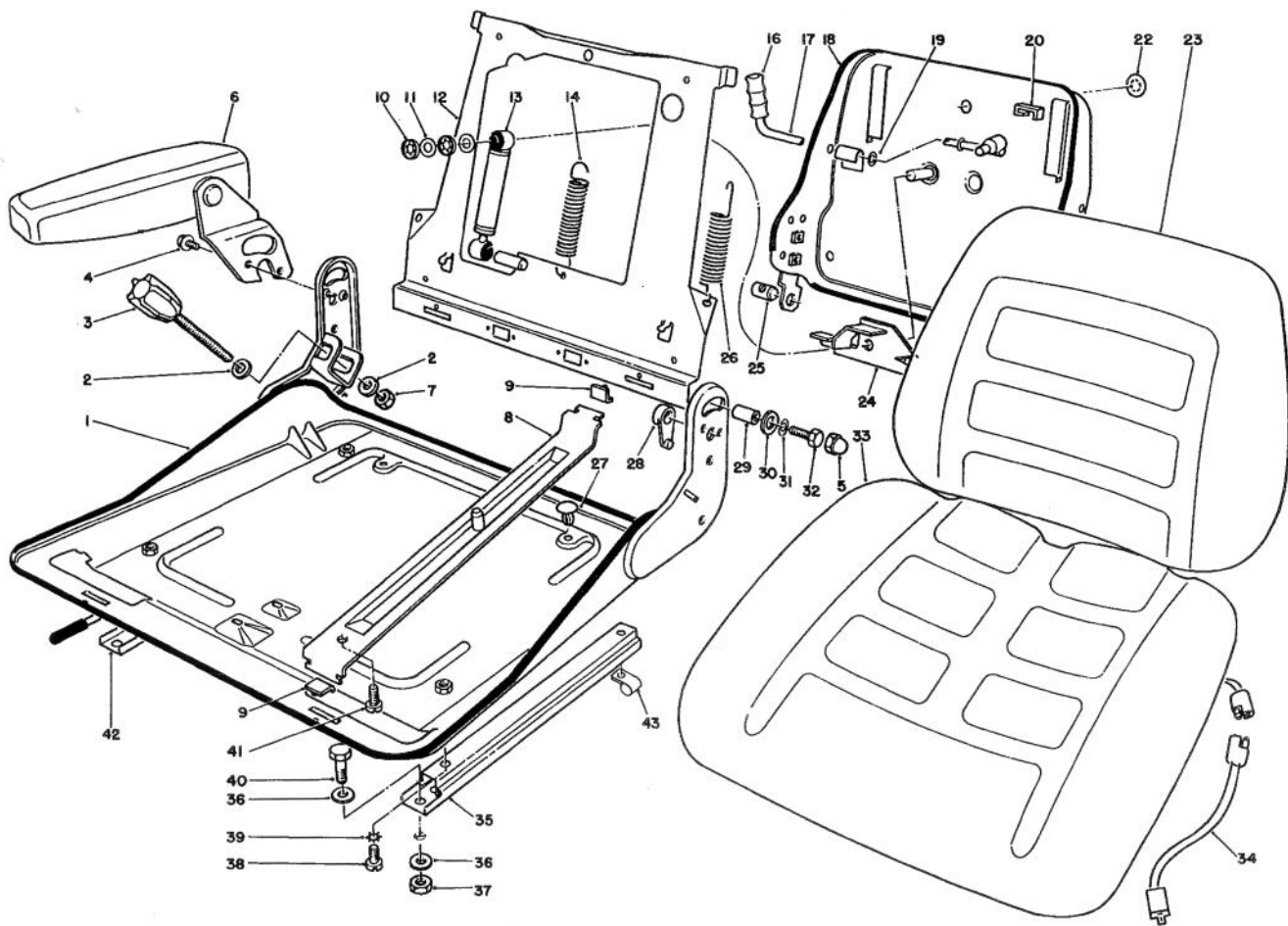


DELUXE SUSPENSION SEAT KIT MODEL NO. 30756 (Optional)

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

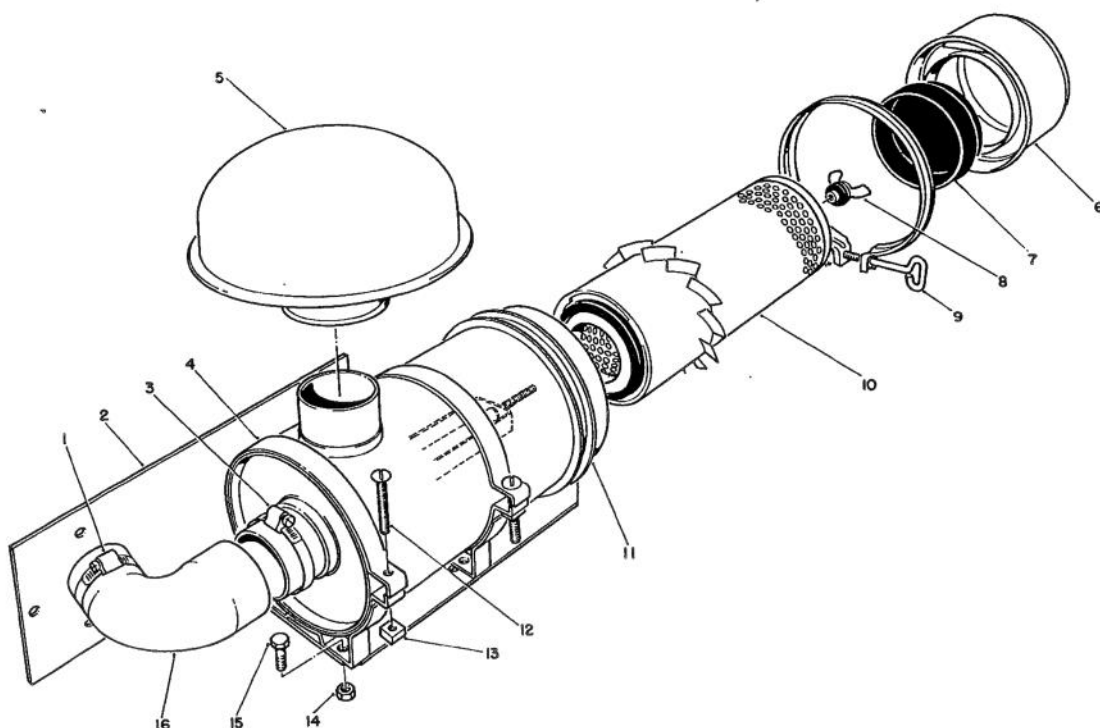


DELUXE SUSPENSION SEAT KIT MODEL NO. 30756 (Optional) (Cont.)

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

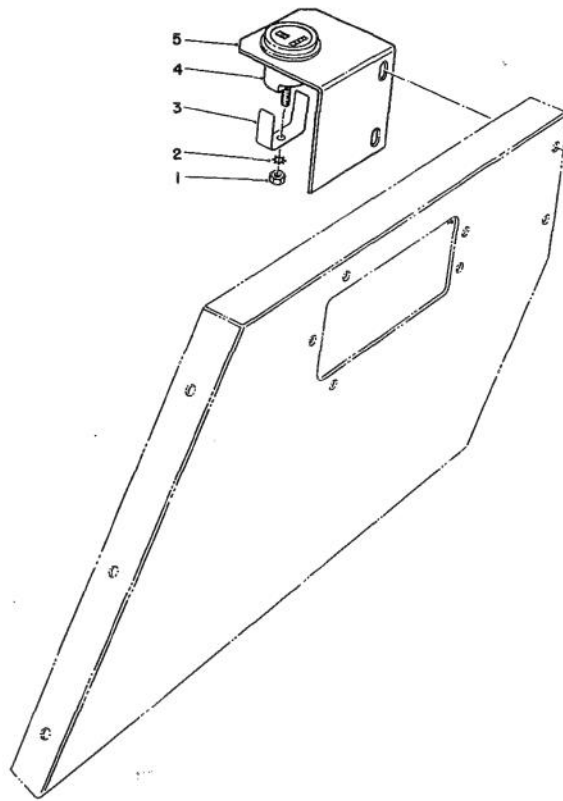
*Not Illustrated



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

Ref. No.	Part No.	Description	No. Used
1	2412-34	Hose Clamp	1
2	55-4280	Bracket — Mounting — Remote Air Cleaner	1
3	2412-42	Hose Clamp	1
4	33-1350	Band Assembly Mounting	2
5	46-7510	Hood — Air Inlet	1
6	33-1320	Cup Assembly	1
7	33-1310	Baffle	1
8	33-1330	Nut Assembly	1
9	33-1340	Clamp Assembly	1

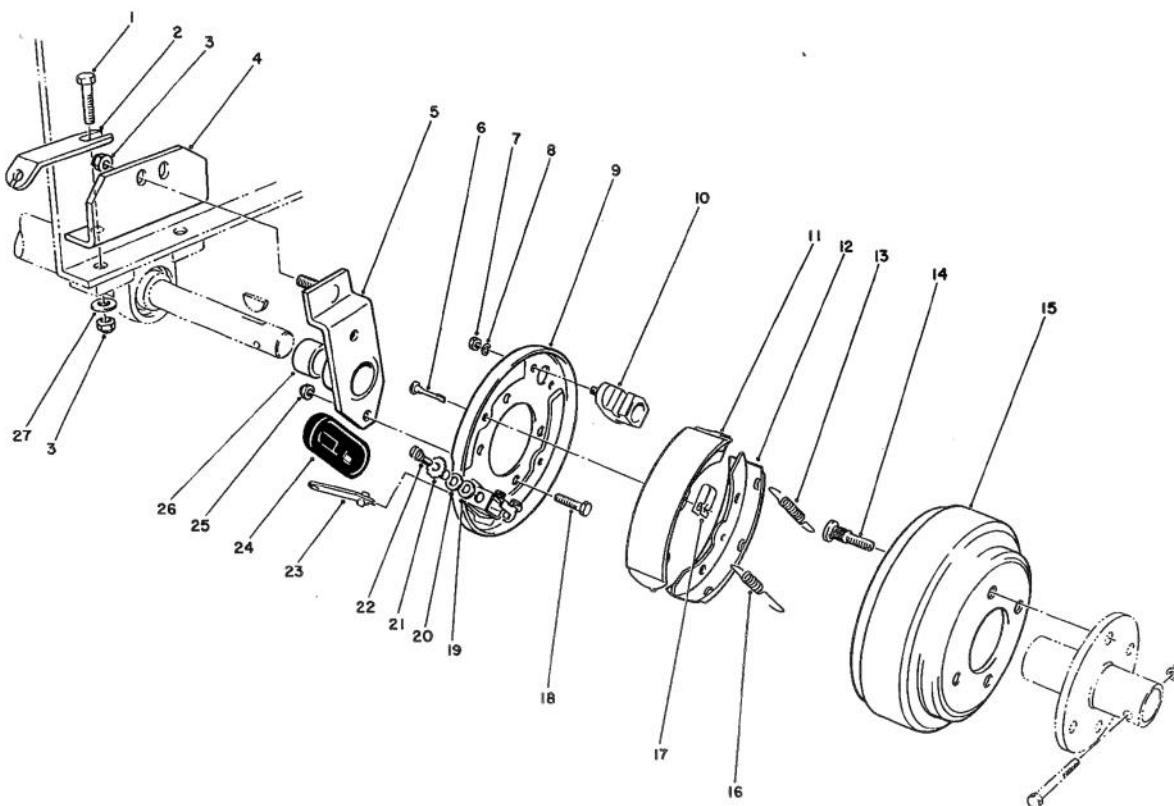
Ref. No.	Part No.	Description	No. Used
10	33-1300	Element Assembly	1
11		Body Assembly	1
12	3258-19	Screw — Machine	2
13	32107-11	Nut — Square	2
14	3296-29	Nut	4
15	322-2	Capscrew	4
16	55-4240	Hose	1
	11-4659	Air Cleaner Assembly (Incl. Ref. #4-13) 1	1



HRUR 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

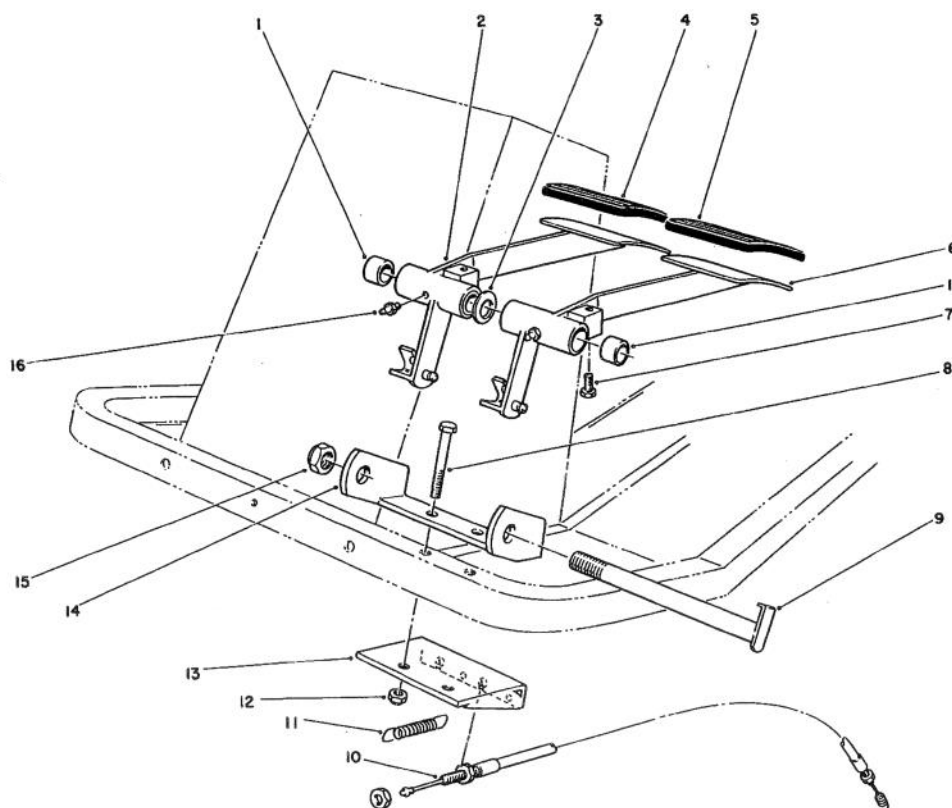


BRAKE KIT MODEL NO. 30758 (Optional)

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



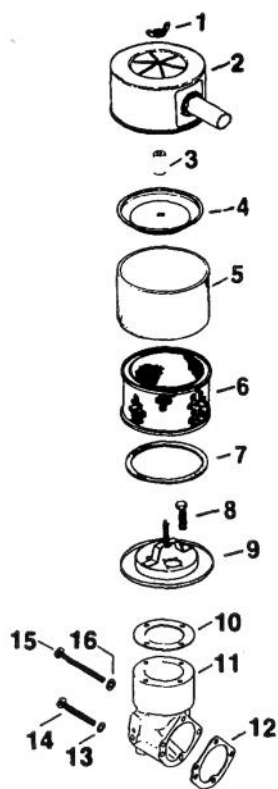
BRAKE KIT MODEL NO. 30758 (Optional) (Continued)

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

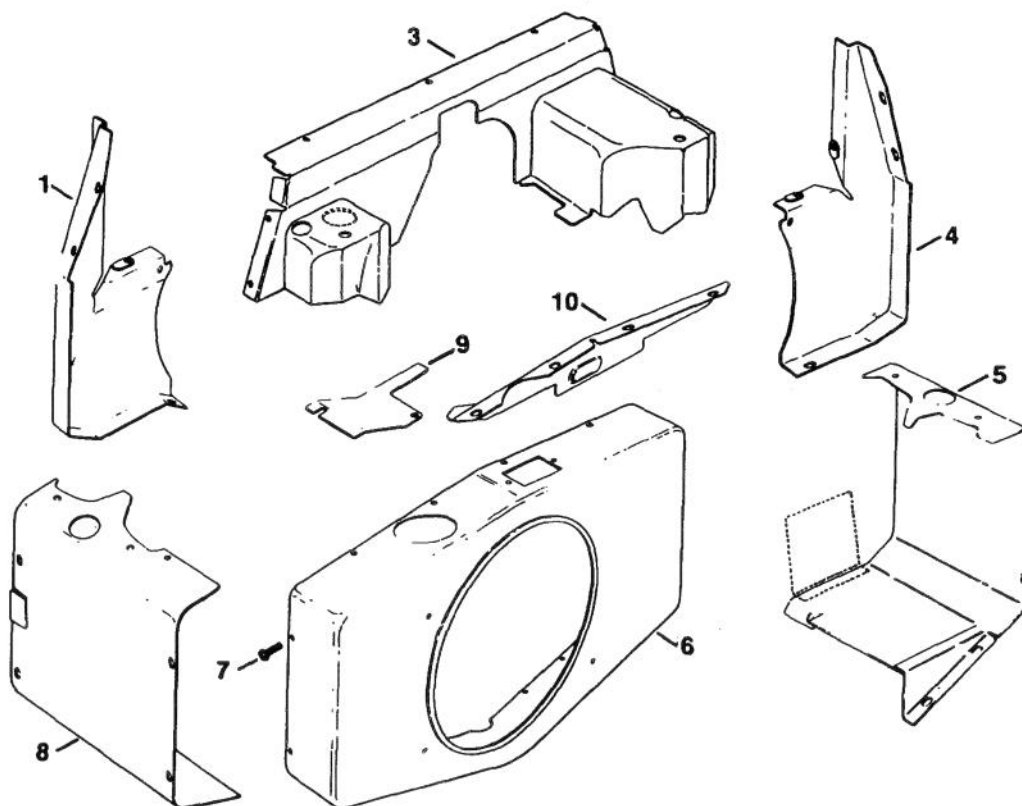
Ref. No.	Part No.	Description	No. Used
9	56-3590	Pin — Brake	1
10	56-3641	Cable Assembly — L.H.	1
*	56-3640	Cable Assembly — R.H.	1
11	56-3670	Spring — Tension	2
12	3296-44	Nut — Lock	2
13	56-3610	Bracket — Cable Upper	1
14	56-3580	Bracket — Brake Pedal	1
15	3296-33	Nut — Lock	1
16	302-5	Fitting — Grease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

*Not Illustrated

Group 1



Group 2

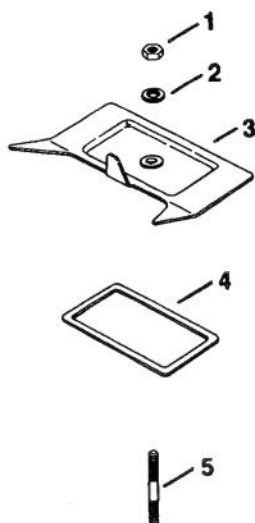


ENGINE KOHLER MODEL NO. KT17QS TYPE NO. 24324

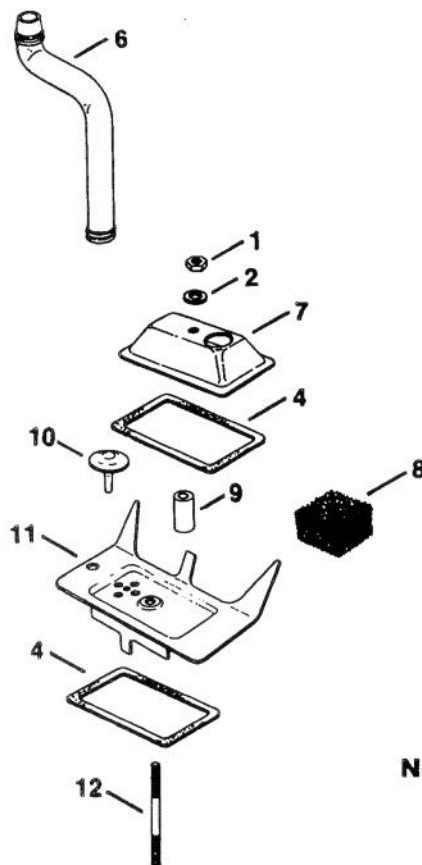
Ref. No.	Part No.	Description	No. Used
AIR INTAKE — Group 1			
1	X-276-7	Nut — Wing	1
2	52 096 26	Cover — Air Cleaner	1
3	231032	Seal — Element Cover	1
4	52 082 04	Cover — Air Cleaner Element	1
5	45 083 01	Precleaner	1
6	45 083 02	Element	1
7	237423	Seal — Air Cleaner Cover	1
8	X-67-98	Screw — H.C.	4
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

Ref. No.	Part No.	Description	No. Used
14	X-50-57	Screw — R.H.M.	2
15	X-50-37	Screw — R.H.M.	1
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
3	52 282 01	Cover — Air Duct	1
4	52 281 14	#1 Side — Air Duct	1
5	52 063 12	Baffle — #1 Cylinder Head	1
6	52 027 09	Housing Blower	1
7	X-67-83	Screw — Hex Wash Head	28
8	52 124 30	Baffle — #2 Cylinder Head w/Rear Cylinder Baffle	1
9	52 063 01	Baffle — #2 Cylinder Top	1
10	52 217 01	Support — Upper Housing	1

Group 3



No. 2 Cylinder



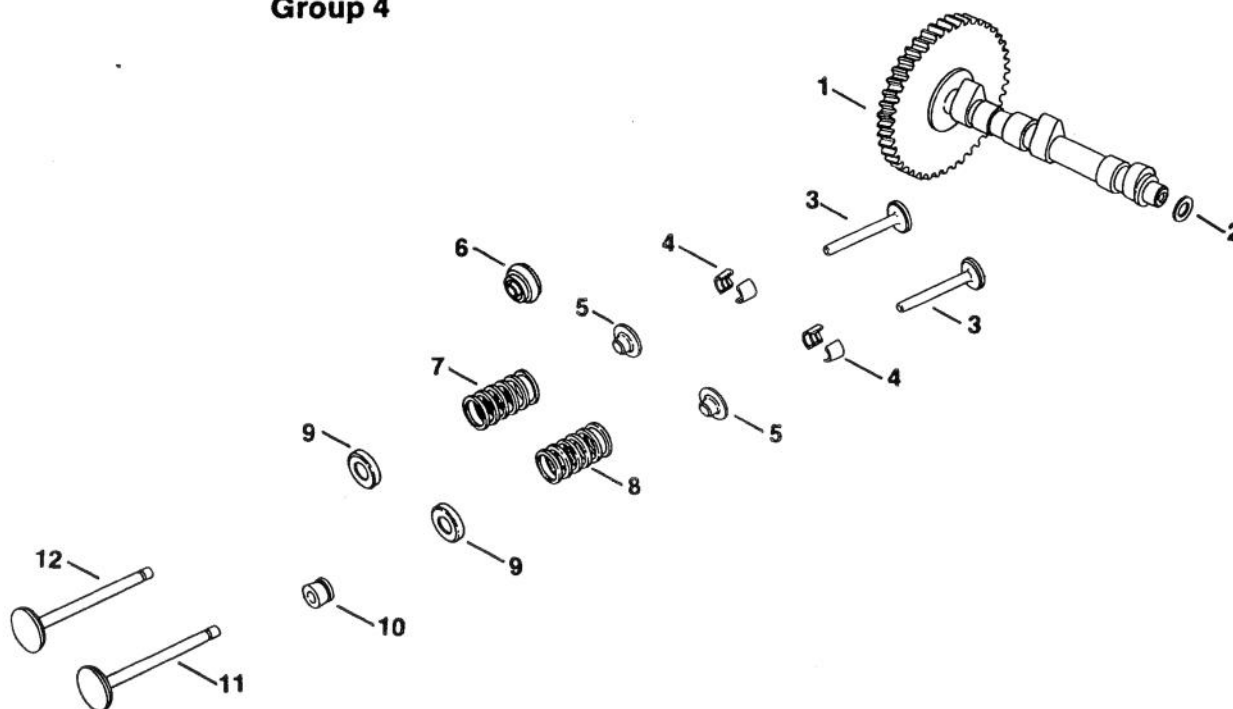
No. 1 Cylinder

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

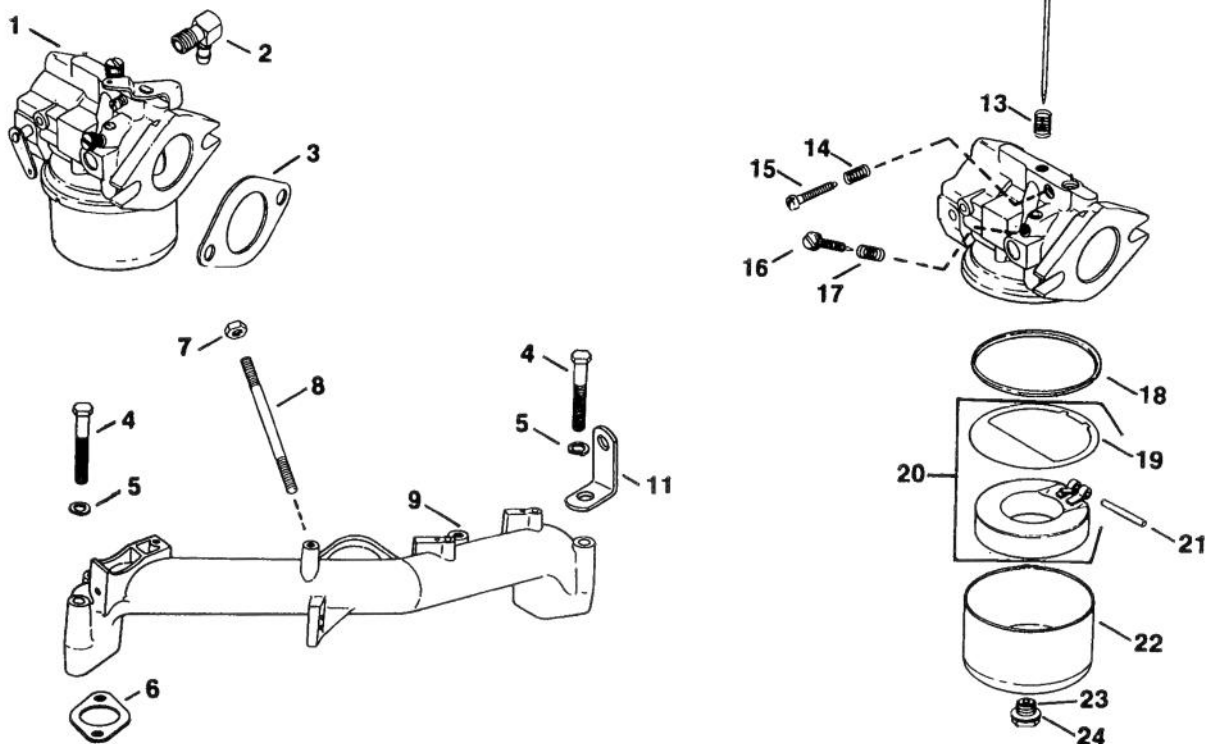


ENGINE KOHLER MODEL NO. KT17QS TYPE NO. 24324 (Continued)

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	230020	Rotator — Valve	2

Ref. No.	Part No.	Description	No. Used
7	230168	Spring — Exhaust Valve	2
8	230010	Spring — Intake Valve	2
9	52 018 01	Retainer — Spring	4
10	45 032 01	Seal — Valve Stem	2
11	52 017 01	Valve — Intake	2
12	52 016 02	Valve — Exhaust	2

Group 5

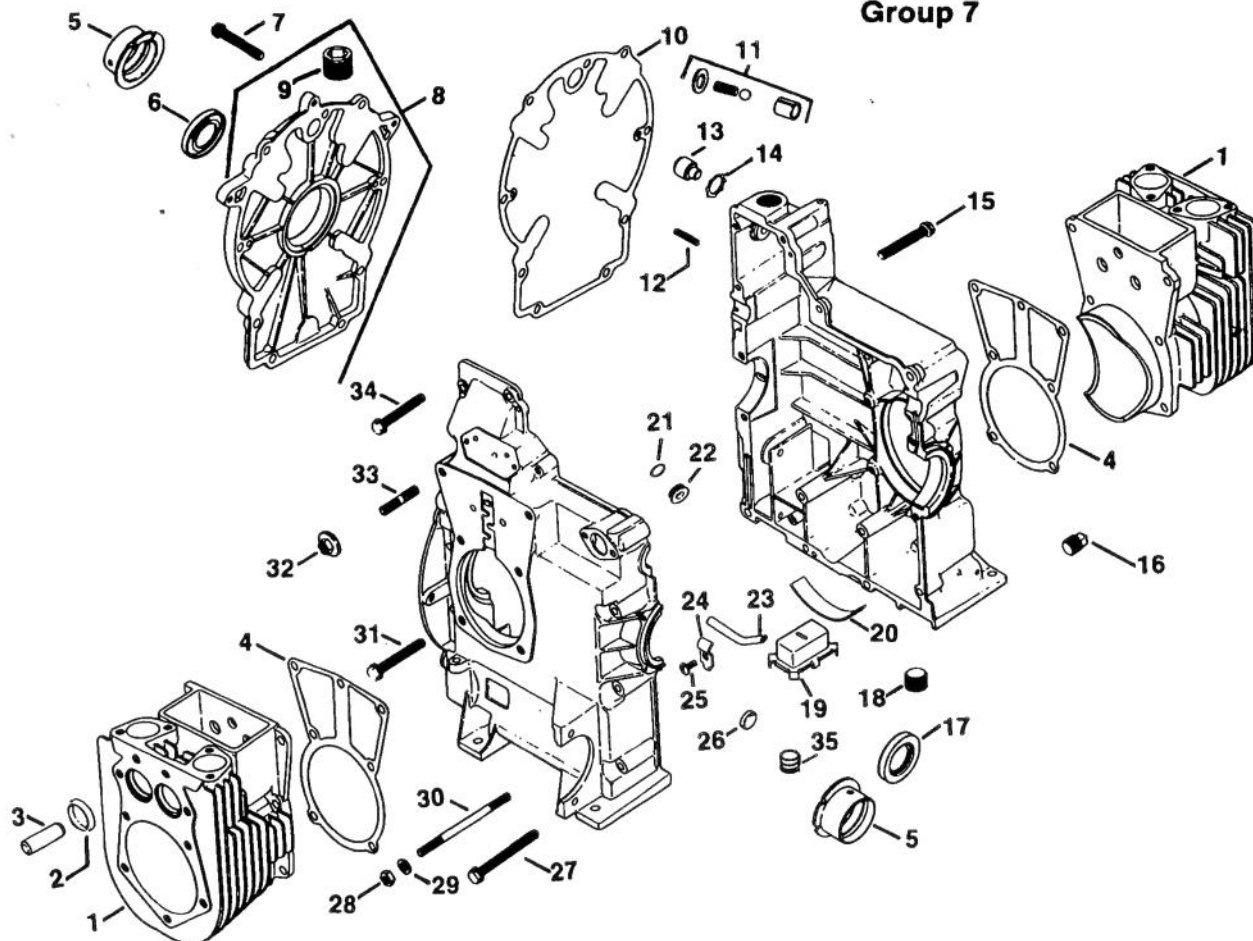


ENGINE KOHLER MODEL NO. KT17QS TYPE NO. 24324 (Continued)

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 06	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

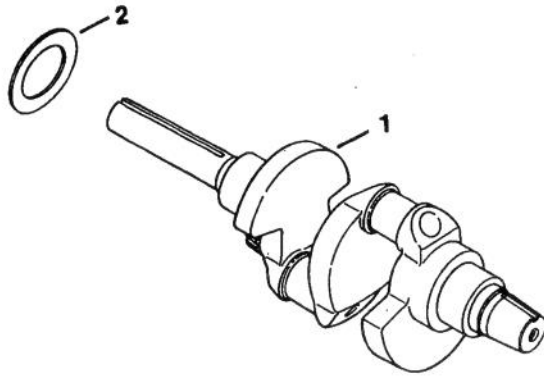


ENGINE KOHLER MODEL NO. KT170S TYPE NO. 24324 (Continued)

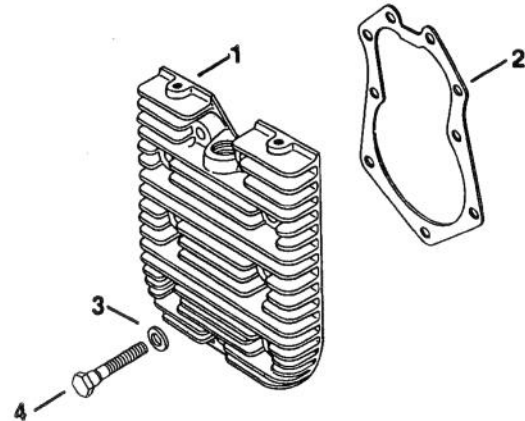
Ref. No.	Part No.	Description	No. Used
		CRANKCASE — Group 7	
1	52 565 27	Barrel — Cylinder	2
2	230265	Insert — Valve Seat	4
3	52 316 06	Guide — Valve	4
4	52 041 04	Gasket — Cyl. Barrel	2
5	52 030 10	Bearing — Sleeve	2
	52 030 11	Bearing — Sleeve .010 U.S.	2
	52 030 12	Bearing — Sleeve .020 U.S.	2
6	X-583-5	Seal — Rear Oil	1
7	X-802-9	Screw — Wash Head	9
8	52 755 57	Kit — Rear Closure Plate	1
9	X-75-23	Plug — Pipe Hex Ctsk.	1
10	52 041 08	Gasket — Rear Closure Plate	1
11	52 755 50	Kit — Oil Relief	1
12	X-280-10	Pin — Roll	1
13	52 078 02	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
18	X-75-32	Plug — Pipe Hex Ctsk.	1
19	52 095 03	Housing — Oil	1

Ref. No.	Part No.	Description	No. Used
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 04	Clamp	1
25	X-67-97	Screw	1
26	X-702-15	Plug — Cup	1
27	25 086 11	Screw — Hex Flange	6
28	X-82-2	Nut — Hex	2
29	41 468 01	Washer — Plain	2
30	X-352-33	Stud	2
31	25 086 13	Screw — Hex Wash Head	2
32	52 100 03	Nut — Whizlock	12
33	52 072 11	Stud	12
34	25 086 10	Screw — Hex Flange	2
35	52 139 07	Plug — Pipe Hex. Ctsk.	1
	52 522 32	Block — Short Before S/N 15089863	1
	52 522 61	Short Block After S/N 15089862	1
	52 755 12	Gasket — Set, w/Seals	1

Group 8



Group 9



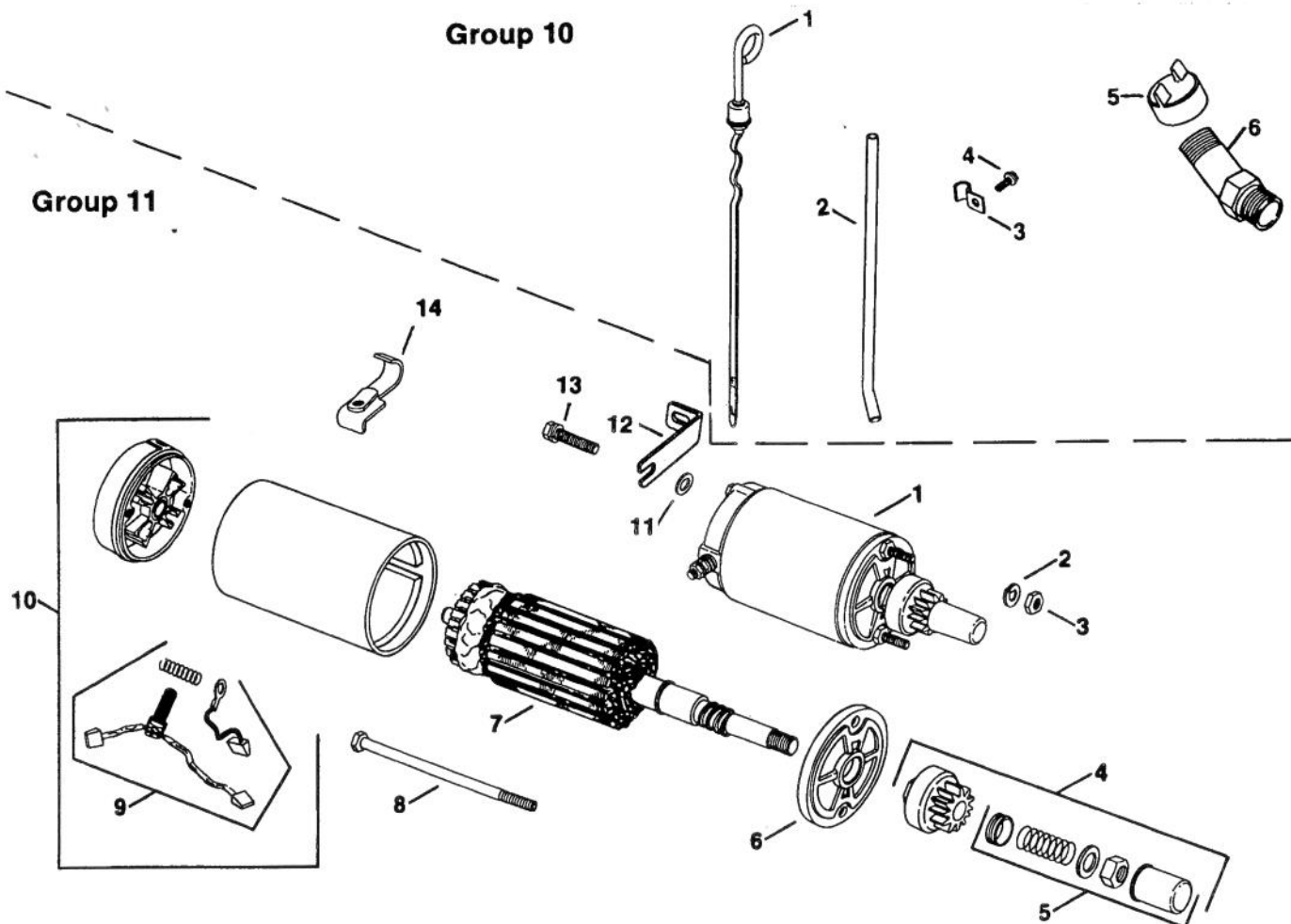
ENGINE KOHLER MODEL NO. KT17QS TYPE NO. 24324 (Continued)

Ref. No.	Part No.	Description	No. Used
1	52 014 64	CRANKSHAFT — Group 8 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
1	52 015 06	CYLINDER HEAD — Group 9 Head — Cylinder #1 & #2	1
2	52 052 03	Gasket — Cylinder Head	2
3	220534	Washer — Cylinder Head	18
4	41 086 02	Screw — Cylinder Head	18

Group 10

Group 11

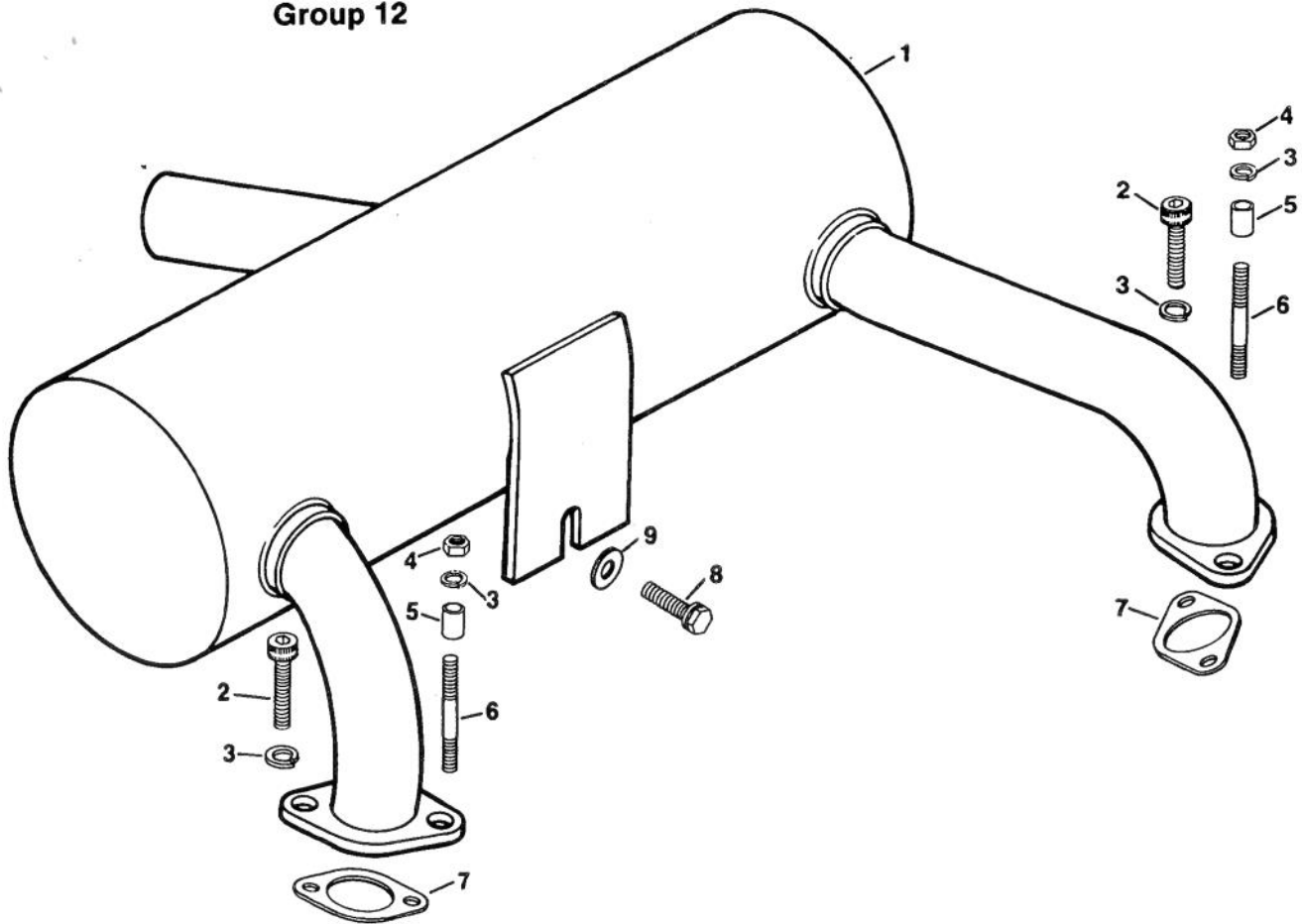


ENGINE KOHLER MODEL NO. KT17QS TYPE NO. 24324 (Continued)

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
11	X-25-53	Washer — Plain	1
12	52 126 03	Bracket — Starter Support	1
13	52 086 11	Screw — Hex Wash Hd Tap	1
14	52 126 09	Bracket — Mounting	1

Group 12

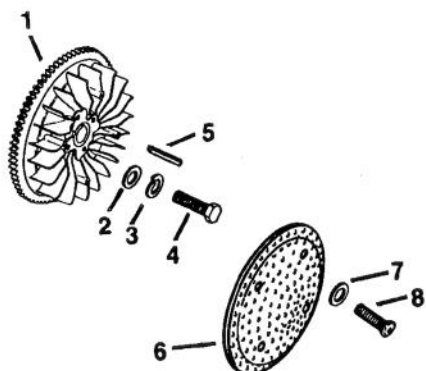


ENGINE KOHLER MODEL NO. KT17QS TYPE NO. 24324 (Continued)

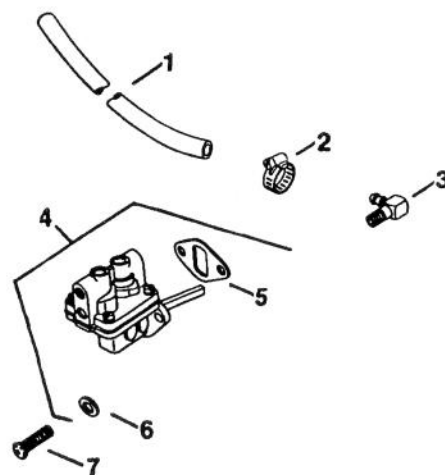
Ref. No.	Part No.	Description	No. Used
		EXHAUST — Group 12	
1	52 068 08	Muffler	1
2	X-55-6	Screw	2
3	X-21-1	Washer — Lock	4
4	X-82-2	Nut	2
5	52 112 08	Spacer	2

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



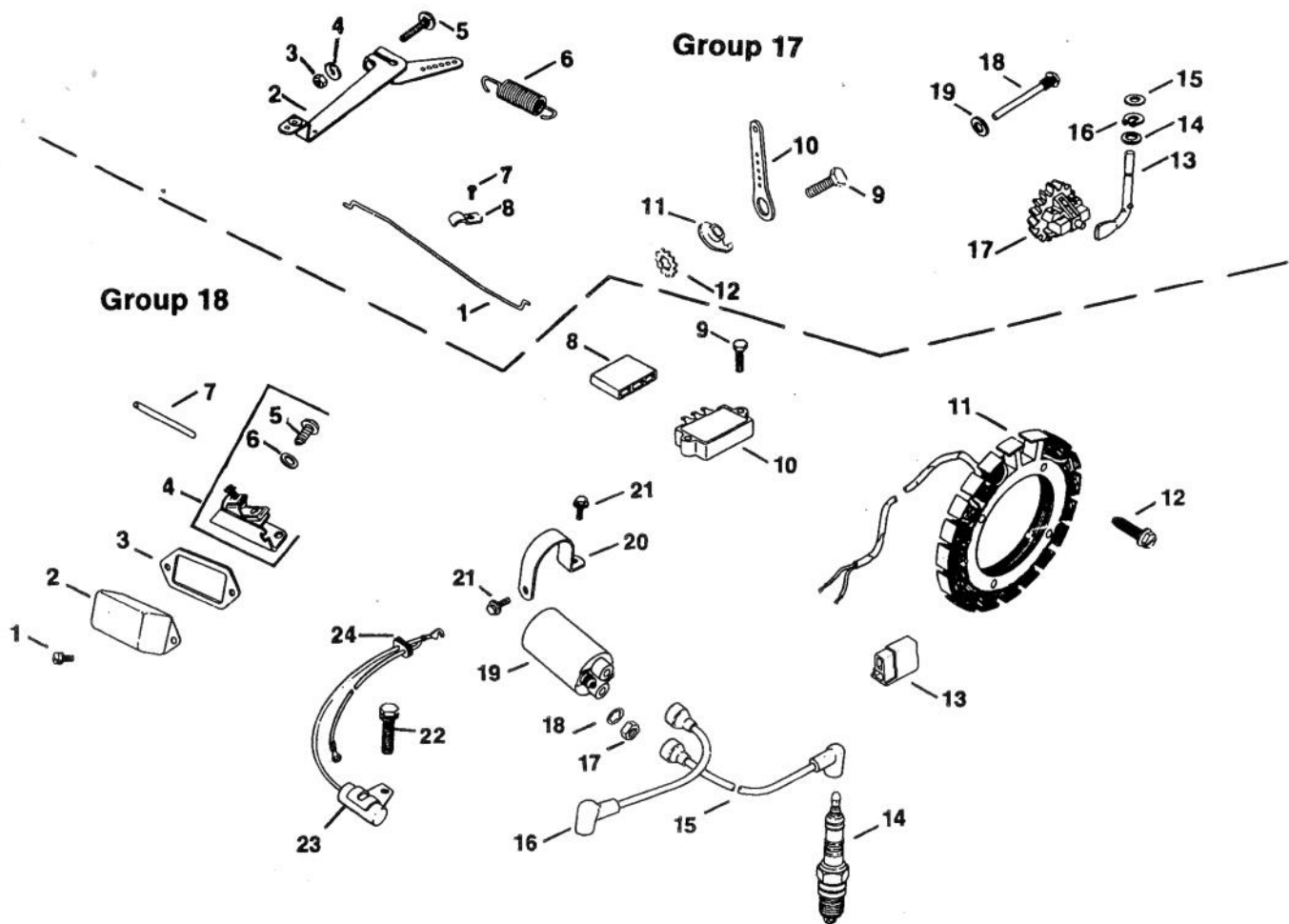
Group 14



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

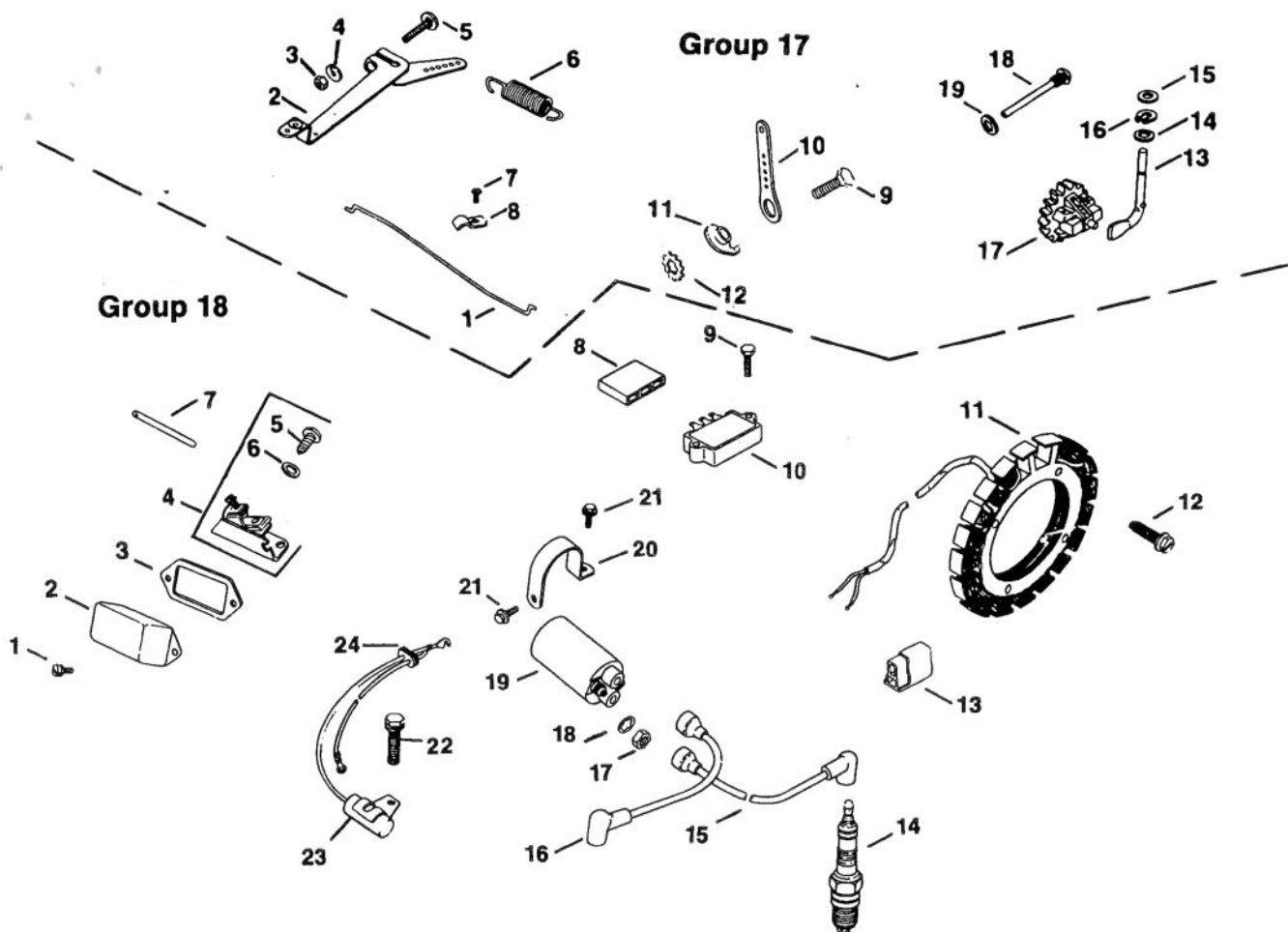
Ref. No.	Part No.	Description	No. Used
FUEL PUMP — Group 14			
1	52 353 04	Hose	1
2	X-426-9	Clamp — Hose	2
3	25 155 02	Connector — 90°	2
4	52 559 01	Pump — Fuel	1
5	47 041 04	Gasket — Fuel Pump	1
6	X-25-63	Washer — Plain	2
7	47 086 08	Screw — Truss Head	2



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

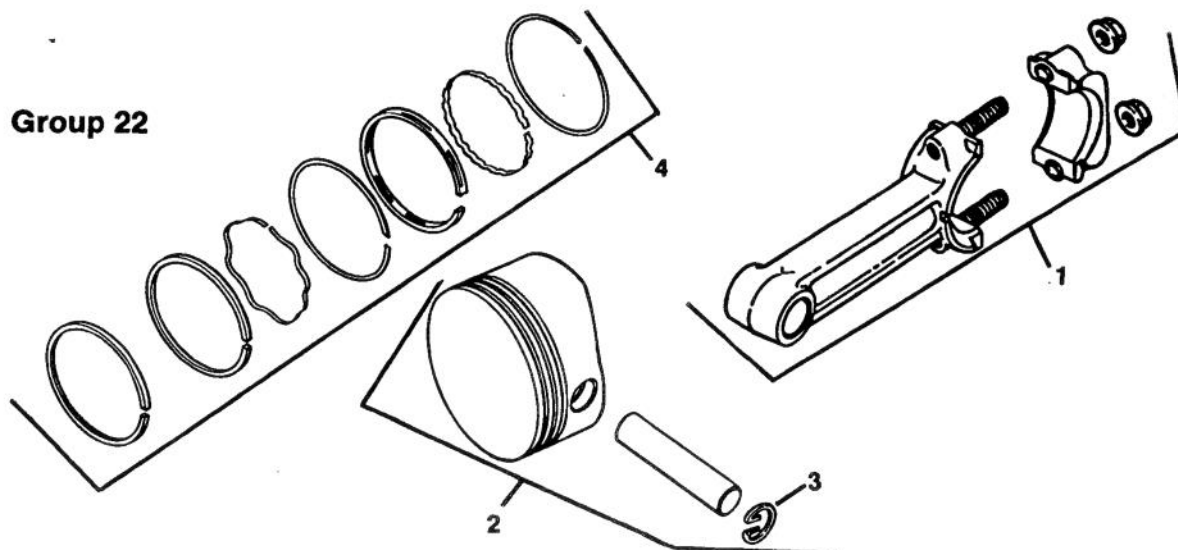


ENGINE KOHLER MODEL NO. KT17QS TYPE NO. 24324 (Continued)

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

Ref. No.	Part No.	Description	No. Used
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 Wash Head	1
23	52 147 01	Condenser	1
24	220297	Grommet	1

Group 22

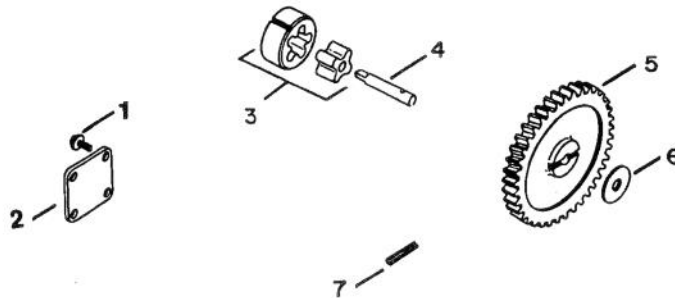


ENGINE KOHLER MODEL NO. KT170QS TYPE NO. 24324 (Continued)

Ref. No.	Part No.	Description	No. Used
1		PISTON & ROD — Group 22	
		Connecting Rod (Std.)	
		Before S/N 15089863	
		Use 52 067 61	
		After S/N 15089862	
		Use 52 067 67	2
1		Connecting Rod (.010)	
		Before S/N 15089863	
		Use 52 067 62	
		After S/N 15089862	
		Use 52 067 68	2
2		Piston w/Ring Set (Std.)	
		Before S/N 15089863	
		Use 52 874 01	
		After S/N 15089862	
		Use 52 874 11	2
2		Piston w/Ring Set (.003)	
		Before S/N 15089863	
		Use 52 874 02	
		After S/N 15089862	
		Use 52 874 12	2
2		Piston w/Ring Set (.010)	
		Before S/N 15089863	
		Use 52 874 03	
		After S/N 15089862	
		Use 52 874 13	2
2		Piston w/Ring Set (.020)	
		Before S/N 15089863	
		Use 52 874 04	
		After S/N 15089862	
		Use 52 874 14	2

Ref. No.	Part No.	Description	No. Used
2		Piston w/Ring Set (.030)	
		Before S/N 15089863	
		Use 52 874 05	
		After S/N 15089862	
		Use 52 874 15	2
3		Retainer — Piston Pin	
4	23004	Ring Set (Std. & .003)	4
		Before S/N 15089863	
		Use 52 108 01	
		After S/N 15089862	
		Use 52 108 09	2
4		Ring Set (.010)	
		Before S/N 15089863	
		Use 52 108 02	
		After S/N 15089862	
		Use 52 108 10	2
4		Ring Set (.020)	
		Before S/N 15089863	
		Use 52 108 03	
		After S/N 15089862	
		Use 52 108 11	2
4		Ring Set (.030)	
		Before S/N 15089863	
		Use 52 108 04	
		After S/N 15089862	
		Use 52 108 12	2

Group 25



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

Ref. No.	Part No.	Description	No. Used
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