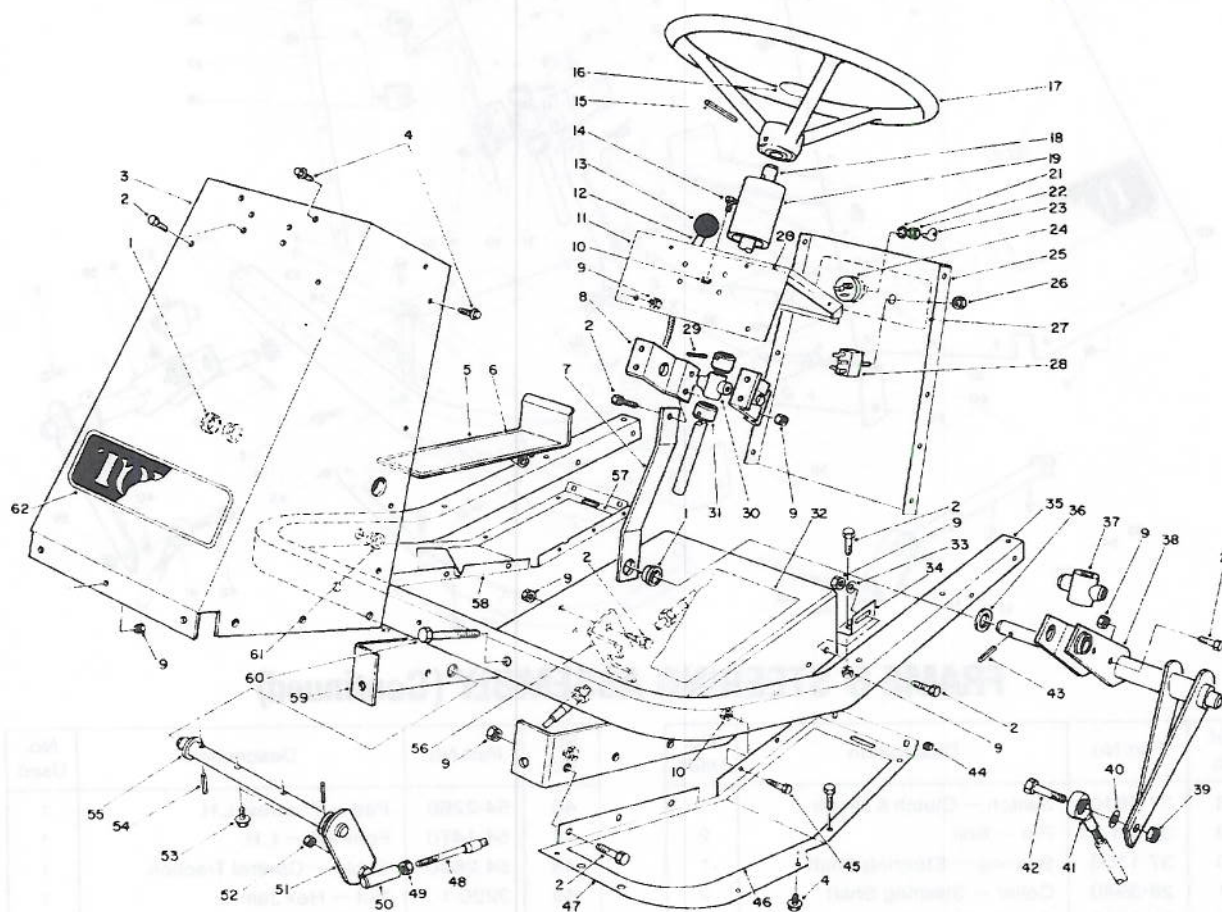


TORO

MODEL NO. 30754-50001 & UP
MODEL NO. 30544-50001 & UP

PARTS CATALOG

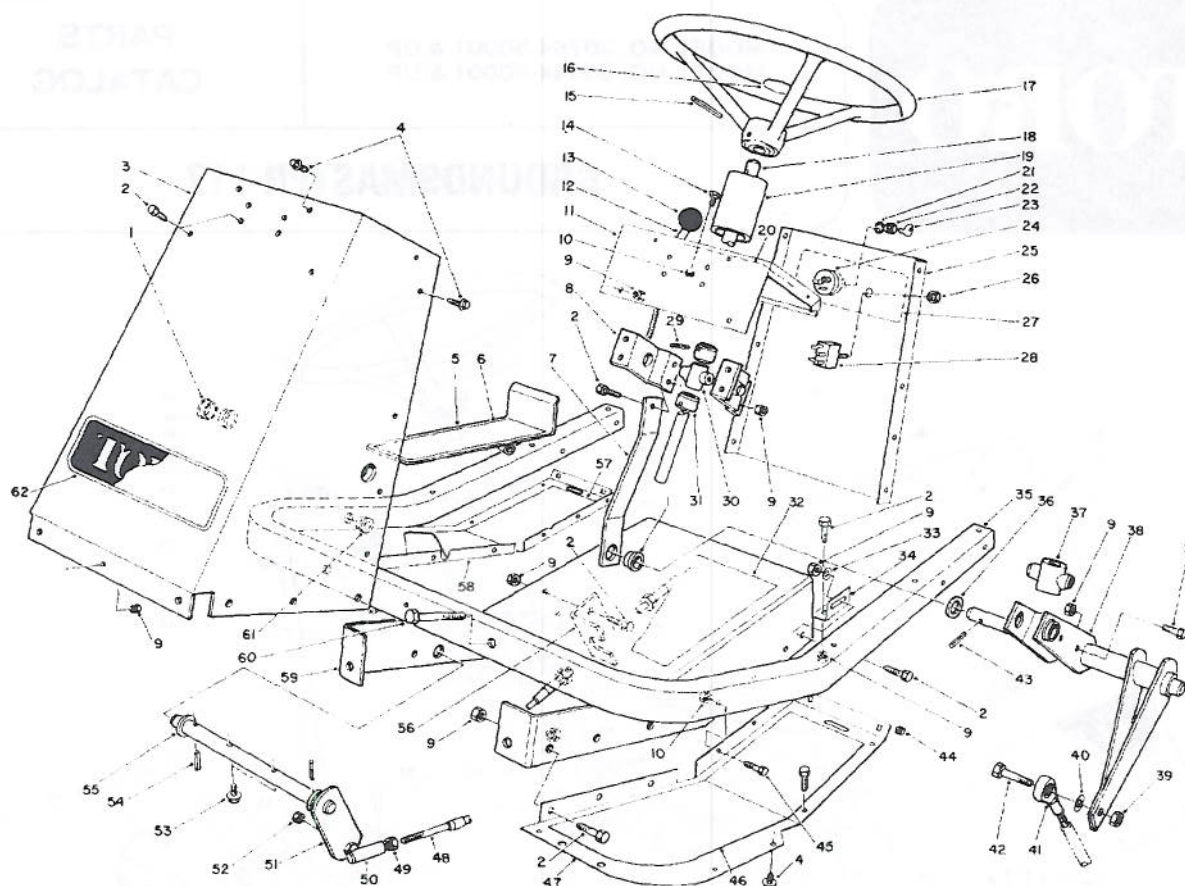
GROUNDMASTER 117



FRAME & STEERING ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	27-9080	Bushing	3
2	322-4	Screw — Hex Head	23
3	54-1900	Tower — Front	1
4	46-8560	Screw — Hex Thread Forming	25
5	54-2190	Traction Pedal	1
6	54-2280	Pad — Pedal Traction	1
7	54-1340	Link — Steering	1
8	54-1950	Bracket — Support Bearing	2
9	3296-29	Nut — Lock	26
10	3296-16	Nut — Lock	14
11	54-1000	Tower — Top	1
12	54-1450	Control — Throttle, Choke	2
13	233-35	Knob	2
14	321-2	Screw — Hex Head	4

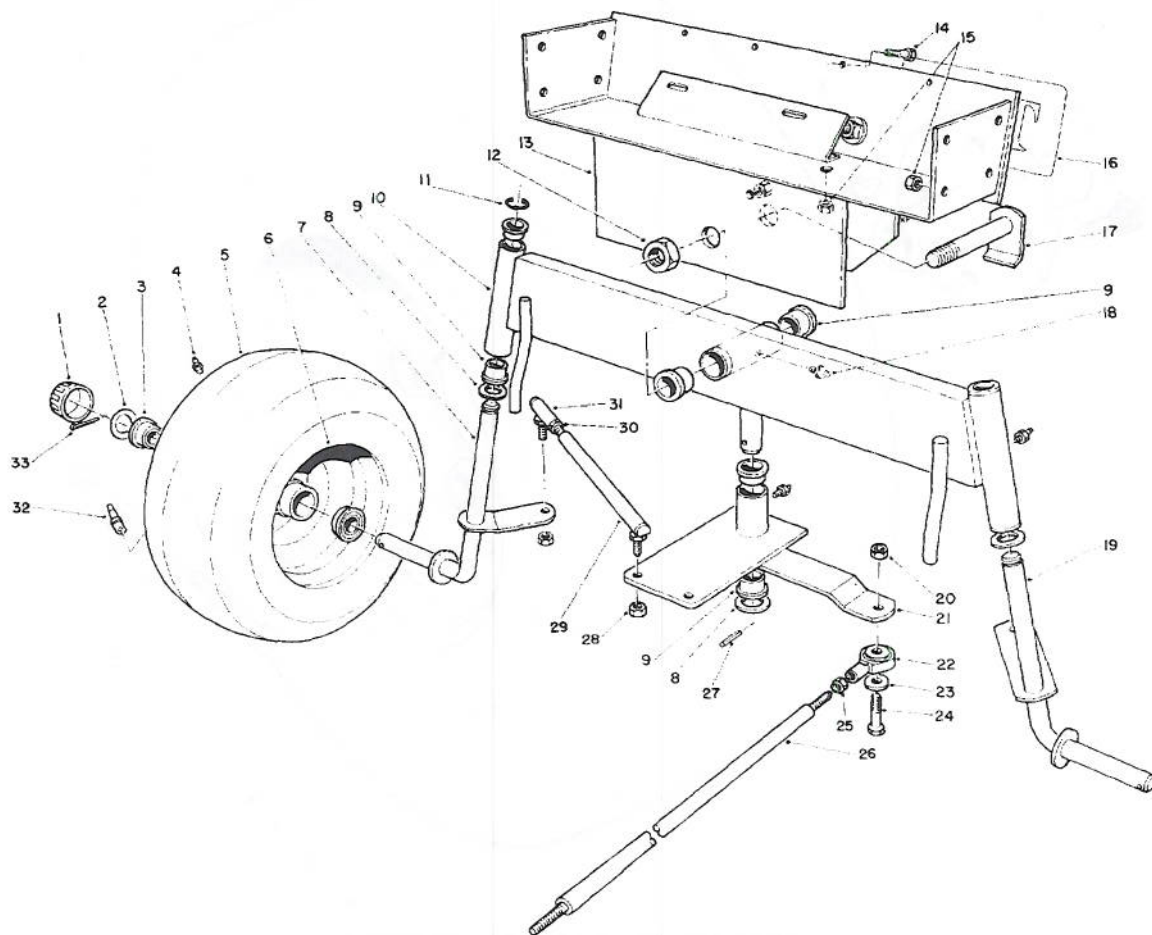
Ref. No.	Part No.	Description	No. Used
15	32121-10	Pin — Roll	1
16	24-2090	Cap	1
17	25-6260	Wheel — Steering	1
18	54-1420	Shaft — Steering	1
19	47-1980	Cover — Steering Shaft	1
20	54-0860	Decal — Throttle Choke	1
21	218-447	Washer — Lock	1
22	218-446	Nut — Hex	1
23	218-412	Key	2
24	27-2360	Switch — Ignition (Incl. Ref. #21-23)	1
25	54-1960	Panel — Tower Rear	1
26	218-500	Nut	1
27	54-0870	Decal — Switch	1



FRAME & STEERING ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
28	37-2610	Switch — Clutch & Brake	1
29	32121-31	Pin — Roll	2
30	37-1100	Bearing — Steering Shaft	1
31	28-3940	Collar — Steering Shaft	2
32	54-0880	Decal — Tunnel	1
33	3256-23	Washer — Flat	2
34	54-1440	Bracket — Tunnel	2
35	54-1460	Frame — Footrest	1
36	3-6498	Washer — Thrust	1
37	54-2630	Follower — Steering Shaft	1
38	54-2040	Follower Lever	1
39	32152-9	Nut — Lock	1
40	3256-4	Washer — Flat	1
41	251-304	Rod End	1
42	324-7	Screw — Hex Head	1
43	32121-77	Pin — Roll	1
44	32113-5	Nut — Square	4
45	321-4	Screw — Hex Head	10

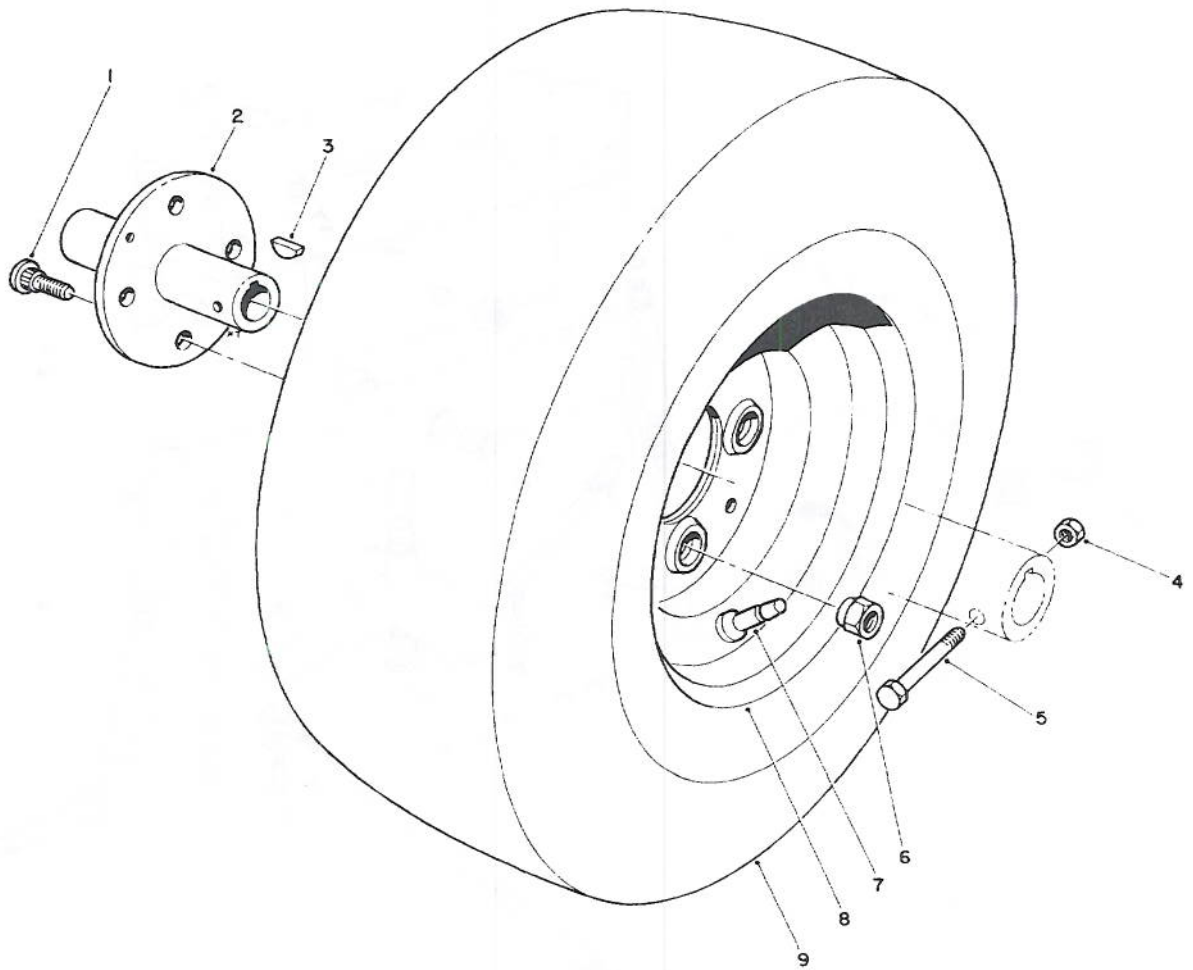
Ref. No.	Part No.	Description	No. Used
46	54-2260	Pad — Footrest L.H.	1
47	54-1470	Footrest — L.H.	1
48	54-2640	Cable — Control Traction	1
49	3220-1	Nut — Hex Jam	1
50	2411-34	Ball Joint	1
51	54-2460	Traction Shaft	1
52	3296-3	Nut — Hex	1
53	32144-10	Screw	2
54	32121-50	Pin — Roll	2
55	3256-26	Washer — Flat	2
56	54-1770	Bracket — Cable Traction	1
57	54-2270	Pad — Footrest R.H.	1
58	54-1480	Footrest — R.H.	1
59	54-1510	Tunnel	1
60	322-10	Screw — Hex Head	2
61	256-156	Bushing	2
62	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	3
9	27-9080	Bushing	8
10	54-0510	Rear Axle (Incl. Ref. #9 & 18)	1
11	32151-48	Ring — Retaining	2
12	32146-20	Nut — Hex	1
13	54-0330	Rear Frame	1
14	321-4	Capscrew	4
15	3296-29	Nut — Hex	8
16	43-5110	Decal — Toro	1
17	54-1680	Pivot Pin	1
18	302-49	Fitting — Grease	4

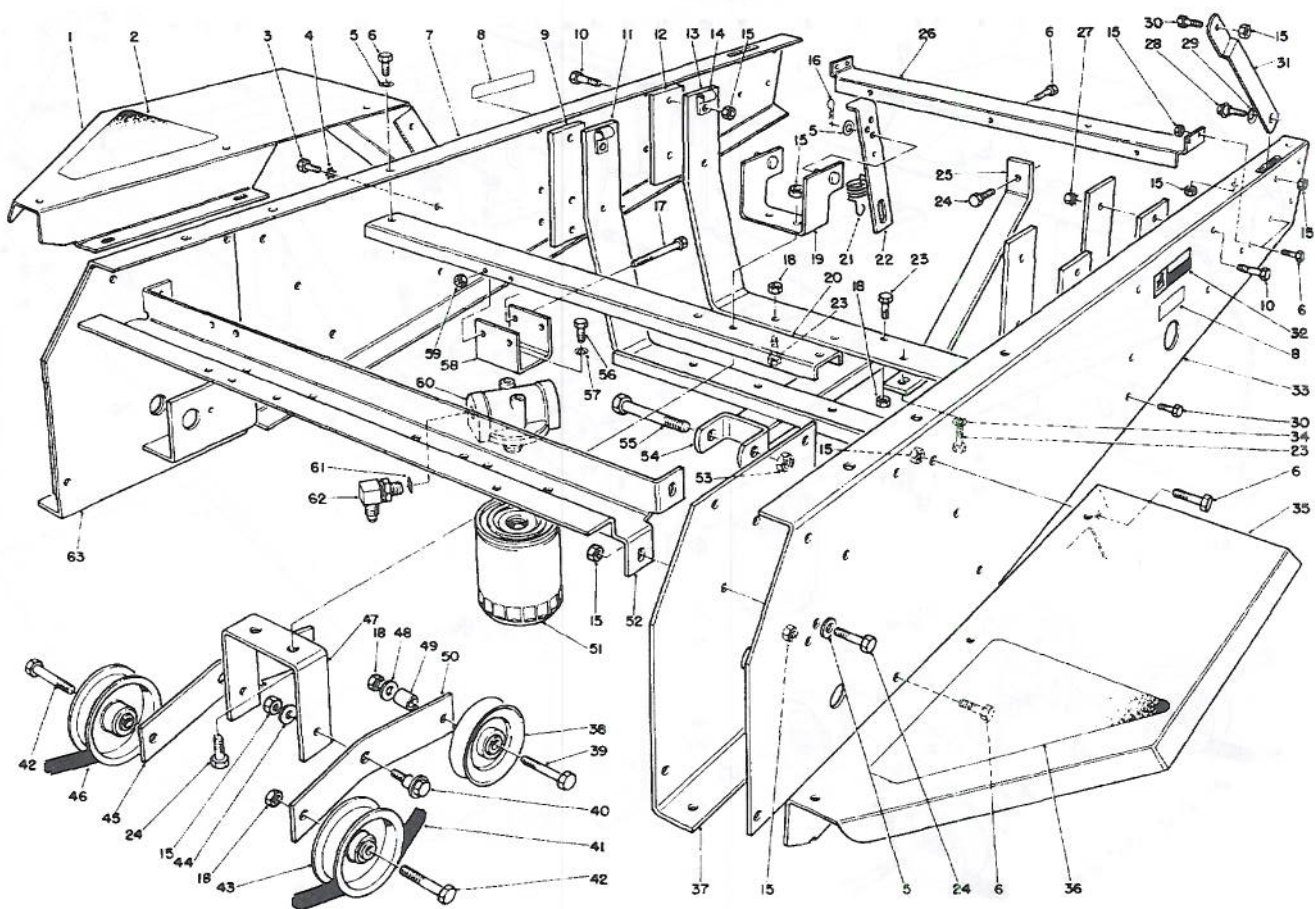
Ref. No.	Part No.	Description	No. Used
19	54-0560	Spindle L.H.	1
20	32152-9	Nut — Hex	1
21	54-0600	Pivot Plate (Incl. Ref. #9 & 18)	1
22	251-305	Rod End	1
23	3256-4	Washer — Flat	1
24	324-7	Screw — Hex	1
25	3220-4	Jam — Nut	1
26	54-1491	Rod — Steering	1
27	32121-45	Pin — Roll	1
28	3296-4	Nut — Hex	4
29	54-1400	Tie Rod — Steering (Incl. Ref. #30 & 31)	2
30	3220-2	Jam Nut	2
31	2411-33	Ball Joint Assembly	2
32	232-27	Valve Stem w/cap	2
33	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

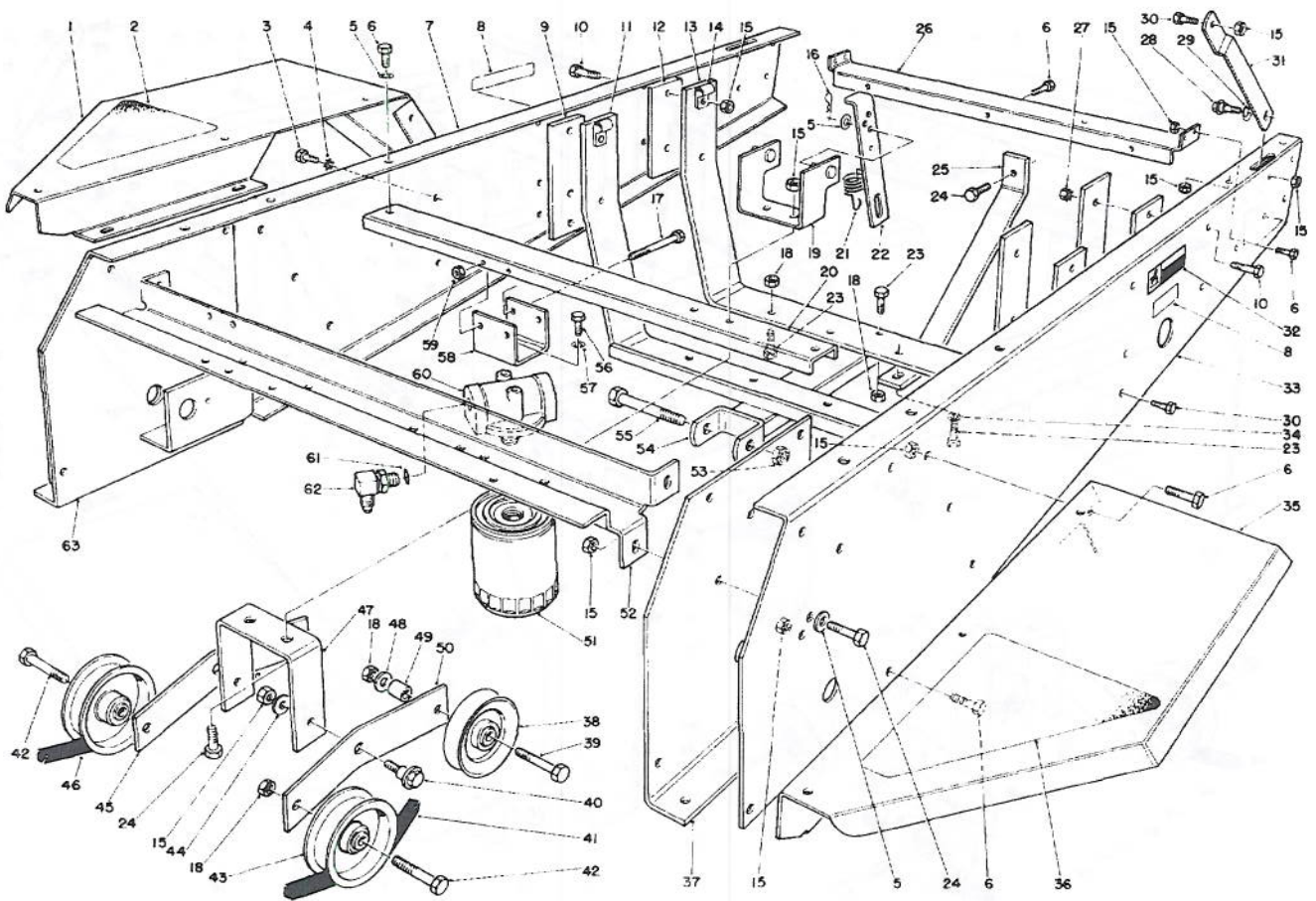
Ref. No.	Part No.	Description	No. Used
6	242-50	Nut — Hex Wheel	8
7	232-27	Valve Stem w/cap	2
8	242-76	Rim	2
9	231-114	Tire	2



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

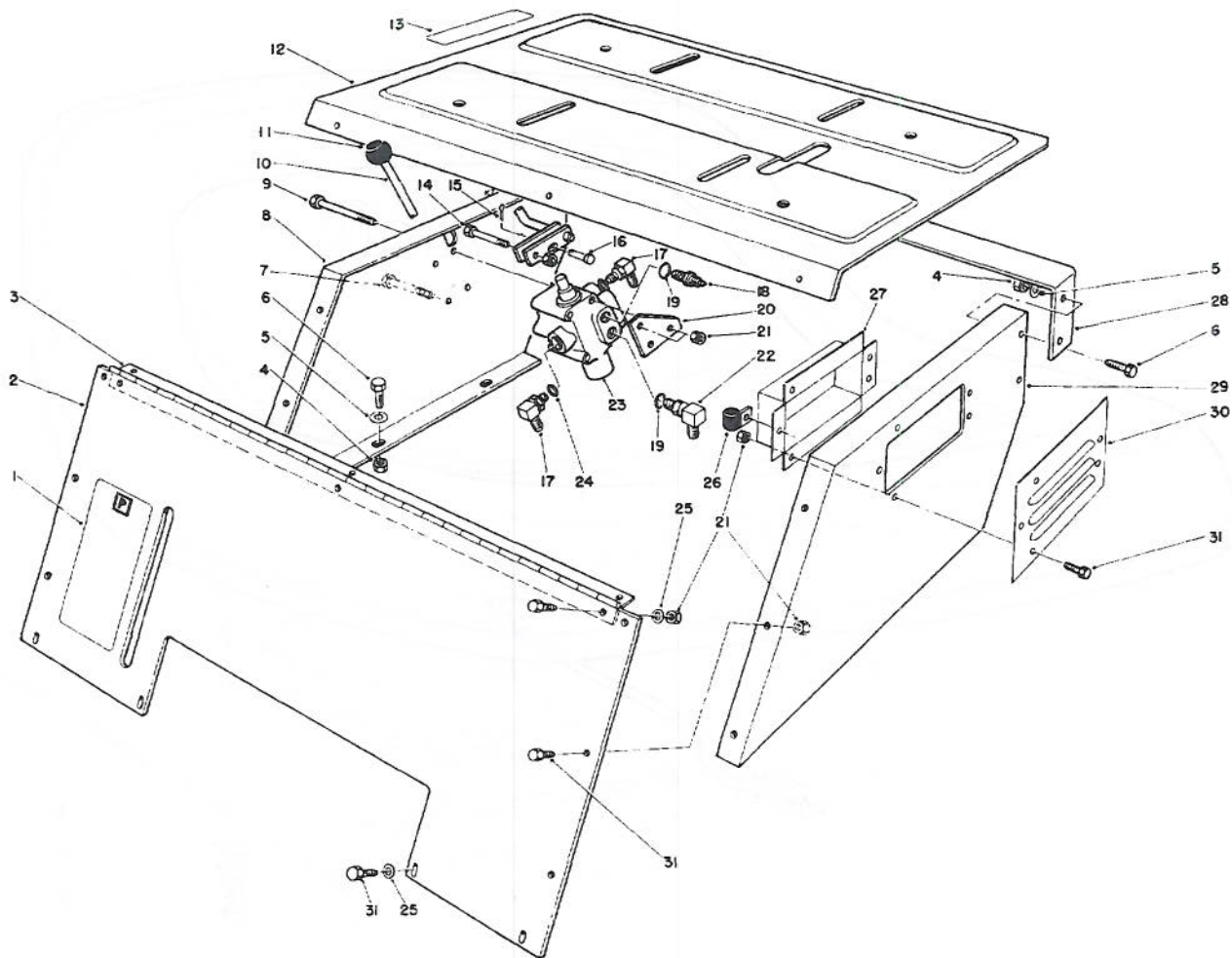
Ref. No.	Part No.	Description	No. Used
23	323-7	Screw — Hex Head	4
24	322-5	Screw — Hex Head	7
25	54-1820	Bar — Tension	1
26	54-1830	Support — Shield	1
27	32149-1	Nut	1
28	27-0410	Bolt — Shoulder	2
29	3290-211	Washer — Spring	2
30	322-3	Screw — Hex Head	4
31	54-1870	Stop — Hood Lower	2
32	54-0910	Decal — Warning	1
33	54-1920	Channel — Side L.H.	1
34	3253-5	Washer — Lock	1
35	54-1940	Fender — L.H.	1
36	54-8980	Pad — Fender L.H.	1
37	54-0460	Axle Stand — L.H.	1
38	7-0823	Idler — V	1
39	323-11	Screw — Hex Head	2
40	19-1470	Bolt — Shoulder	2
41	54-1380	V-Belt Jackshaft	1
42	323-9	Screw — Hex Head	2
43	7-4660	Idler — Flat	2
44	23-1120	Washer — Flat	2



FRAME & JACKSHAFT ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
45	54-9200	Lever — Idler	1
46	54-1390	V-Belt — Traction	1
47	54-1060	Bracket — Idler Mount	1
48	3256-3	Washer — Flat	2
49	37-7250	Spacer	2
50	54-1070	Lever — Idler	1
51	54-0110	Filter — Oil, Transmission	1
52	54-1010	Channel — Front	1
53	3296-24	Nut — Lock	1
54	54-1730	Cylinder Mount	1

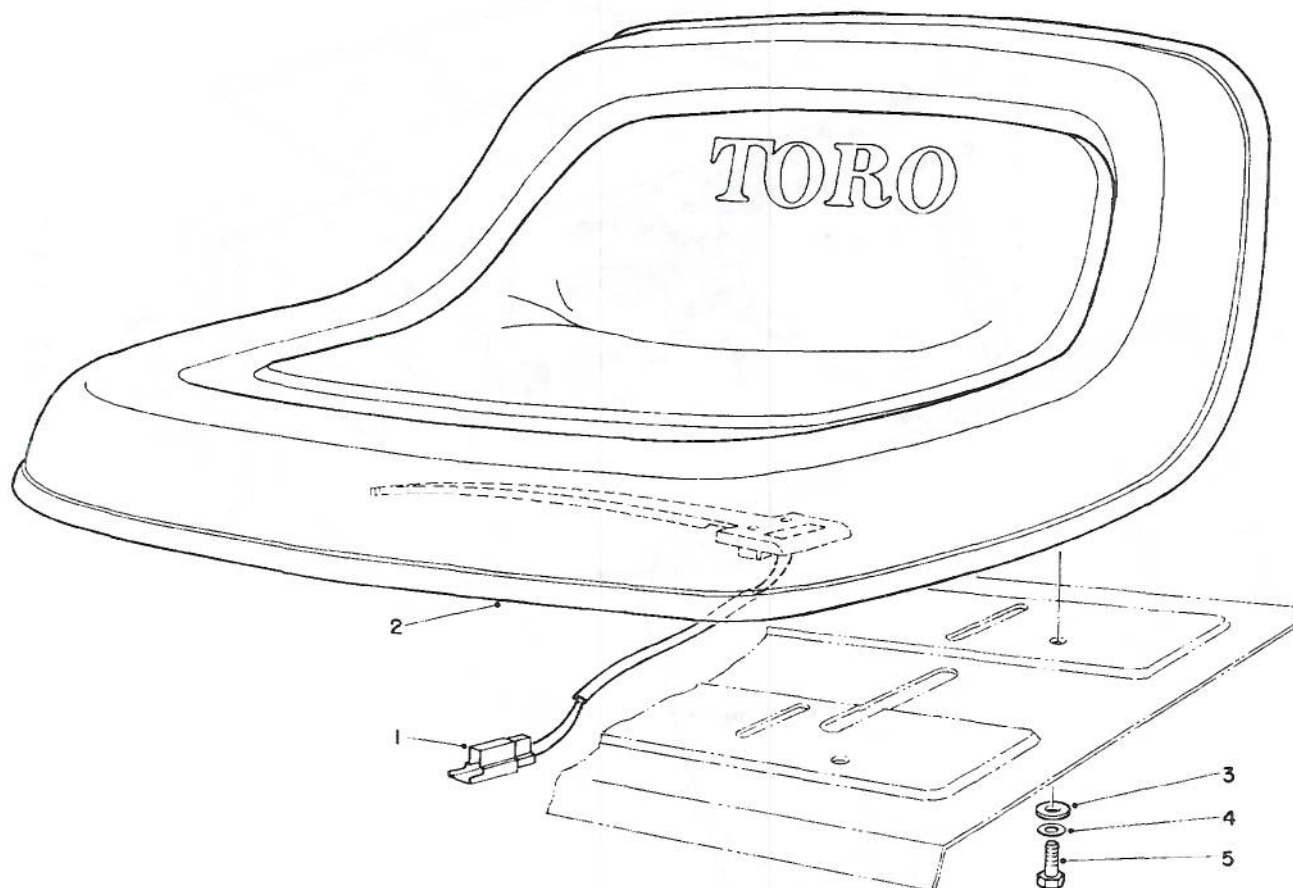
Ref. No.	Part No.	Description	No. Used
55	327-10	Screw — Hex Head	1
56	321-4	Screw — Hex Head	2
57	3253-3	Washer — Lock	2
58	54-1120	Bracket — Filter Head	1
59	3296-16	Nut — Lock	2
60	54-0100	Filter Head Assembly	1
61	237-79	"O" Ring	1
62	353-371	Fitting	1
63	54-0450	Axle Stand R.H.	1



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	8
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

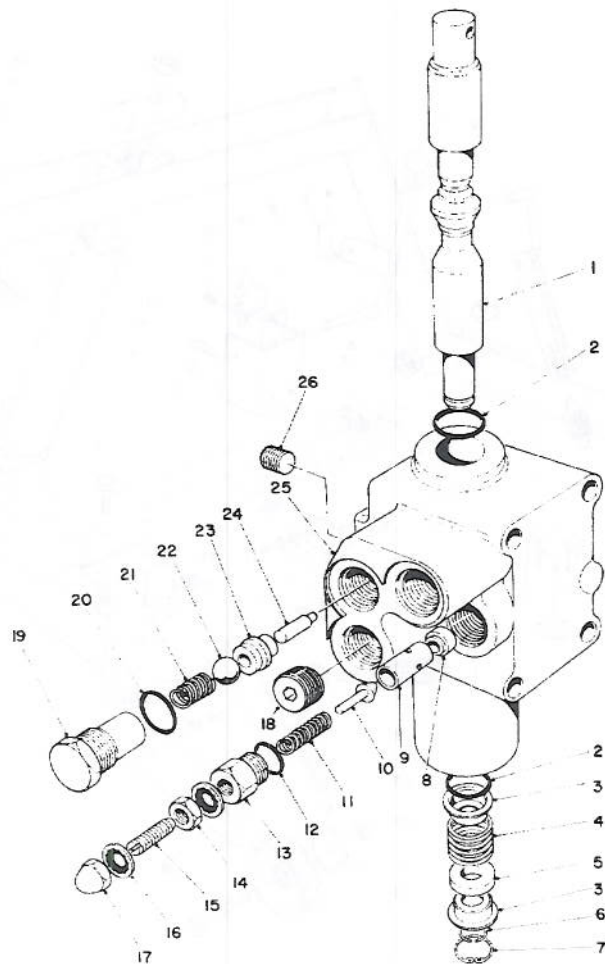
Ref. No.	Part No.	Description	No. Used
17	353-511	Fitting	2
18	353-545	Fitting	1
19	237-78	"O" Ring	2
20	54-2540	Bracket — Lever, Valve	1
21	3296-16	Nut — Lock	19
22	353-375	Fitting — 90°	1
23	54-0090	Valve Assembly	1
24	237-42	"O" Ring	2
25	3256-1	Washer — Flat	10
26	2412-66	Clamp — R	1
27	54-1700	Air 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

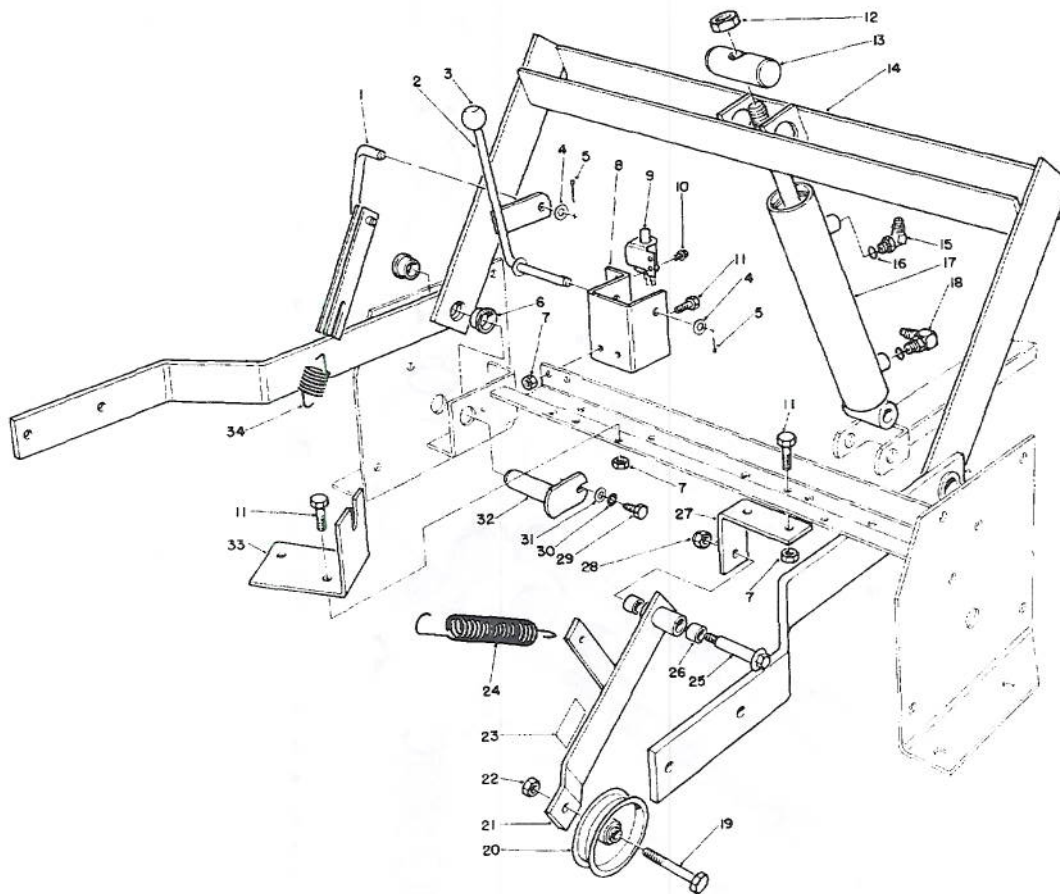


VALVE ASSEMBLY NO. 54-0090

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	22-8430	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	55-3590	Plug	1
*	22-8440	Adjustable Relief Valve (Incl. Ref. #9-17)	1

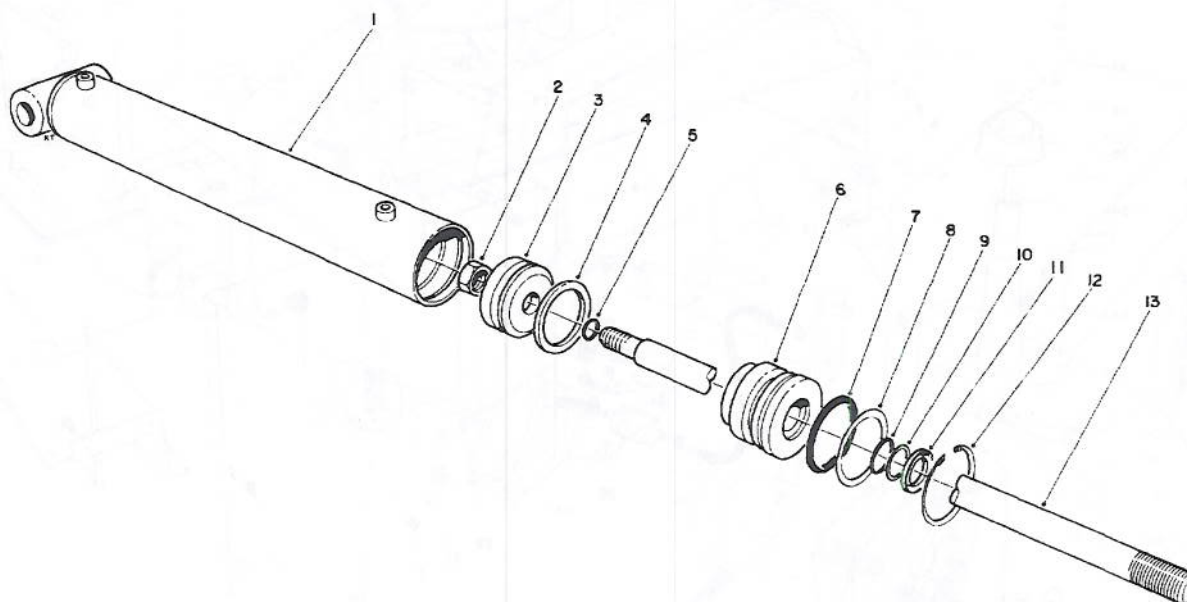
*Not Illustrated



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	322-4	Screw — Hex Head	6
12	3220-6	Nut — Jam	1
13	54-2000	Pin — Pivot Cylinder	1
14	54-0380	Lift Frame (Incl. Ref. #6)	1
15	353-431	Fitting 45°	1
16	237-78	"O" Ring	2
17	54-0150	Cylinder — Lift	1

Ref. No.	Part No.	Description	No. Used
18	353-375	Fitting 90°	1
19	323-10	Screw — Hex Head	1
20	55-8260	Pulley — Idler	1
21	12-1109	Idler Lever (Incl. Ref. #23 & 26)	1
22	3296-44	Nut — Lock	1
23	55-4300	Decal — Warning	1
24	54-1170	Spring — Extension Idler	1
25	27-6230	Bolt — Shoulder	1
26	256-154	Bushing	2
27	55-7310	Bracket — Idler Mounting	1
28	3296-6	Nut — Lock	1
29	321-2	Screw — Hex Head	2
30	3253-3	Washer — Lock	2
31	3256-1	Washer — Flat	2
32	54-2100	Pivot Pin	2
33	54-1760	Bracket — Cable Extension	1
34	54-0960	Spring — Parking Brake	1

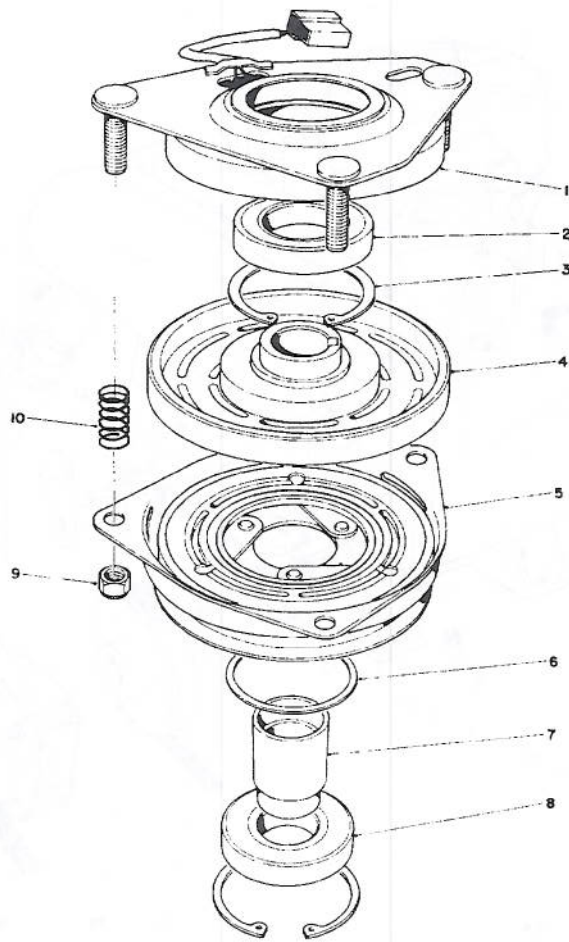


HYDRAULIC LIFT CYLINDER NO. 54-0150

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

*Not Illustrated



CLUTCH ASSEMBLY NO. 54-0220

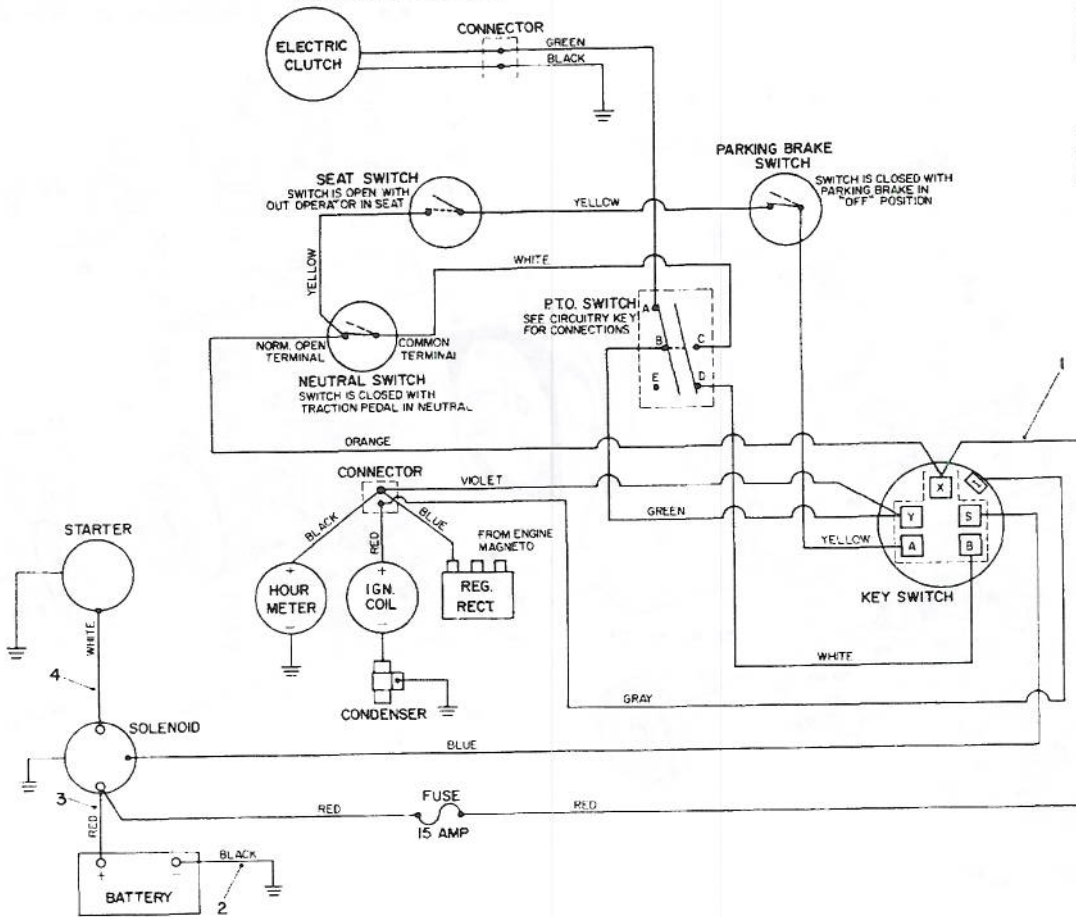
Ref. No.	Part No.	Description	No. Used
1	54-0230	Field Assy. (Incl. Ref. #2 & 3)	1
2	251-292	Bearing — Field	1
3	44-8310	Retaining Ring	2
4	44-8360	Field Coil, Rotor & Bearing Assembly (Incl. Ref. #1)	1
5	44-8370	Armature & Pulley Assembly (Incl. Ref. #3, 6, 7 & 8)	1

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

IGNITION SWITCH CIRCUITRY		
START	B + S + I	
RUN	A + B + I	Make X + Y
OFF	OPEN	

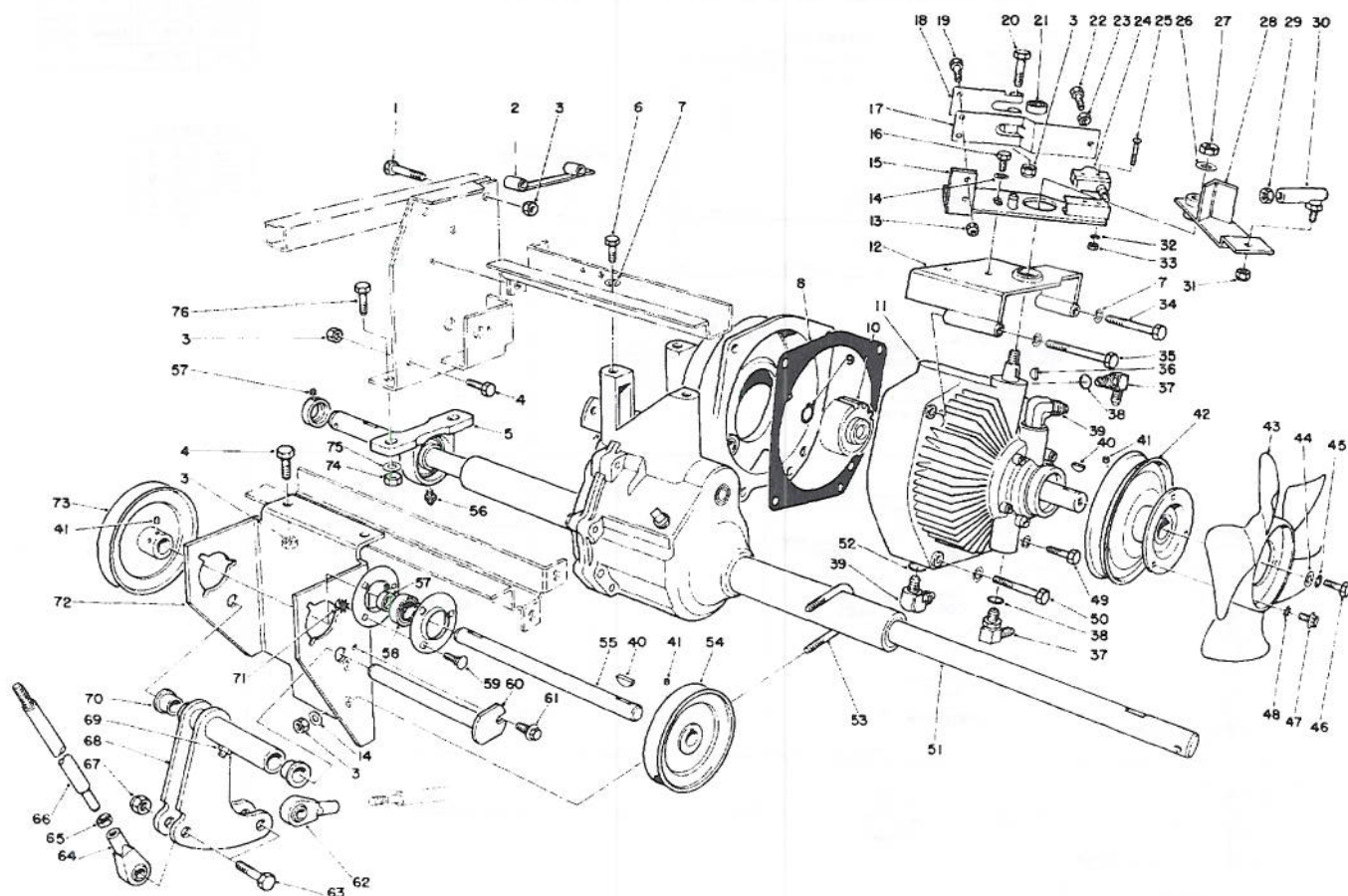
PTO SWITCH		
ON	A + B	
OFF	C + D	
	B + E	



ELECTRICAL SCHEMATIC

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

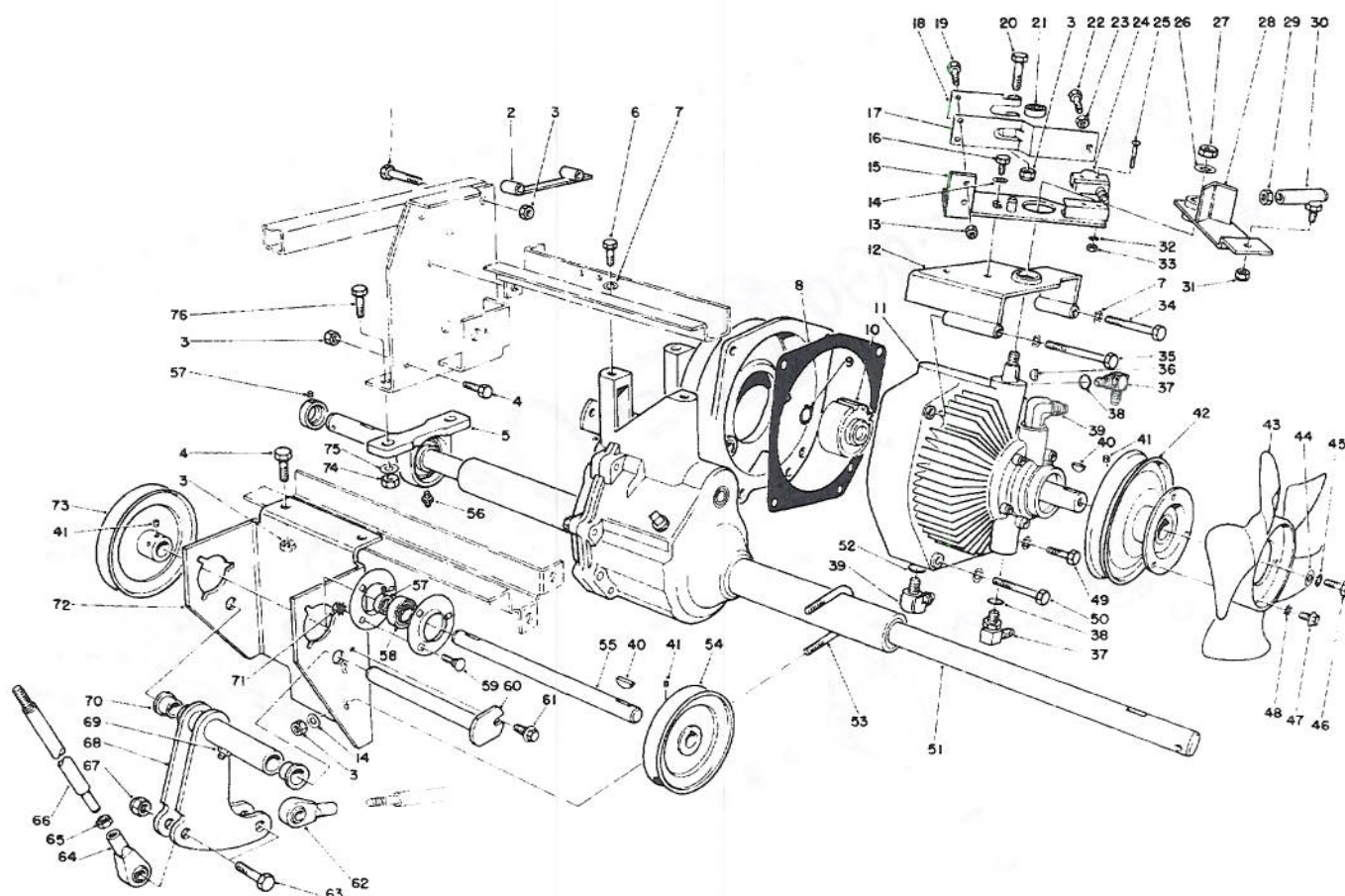
Ref. No.	Part No.	Description	No. Used
3	54-2030	Wire Assembly	1
4	54-2031	Wire Assembly	1



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	322-4	Screw — Hex Head	6
5	251-302	Bearing — Pillow Block w/Collar	2
6	323-4	Screw — Hex Head	2
7	3253-5	Washer — Lock	6
8	55-4320	Gasket	1
9	32120-64	Snap Ring	1
10	54-0320	Gear	1
11	54-0080	Transmission — Hydrostatic	1
12	54-2550	Traction Control	1
13	3296-16	Nut — Lock	2
14	3256-23	Washer — Flat	4
15	54-2130	Traction Plate	1
16	322-3	Screw — Hex Head	2
17	29-6170	Spring — Extension	1
18	29-6150	Spring — Leaf	1
19	321-4	Screw — Hex Head	2
20	322-7	Screw — Hex Head	1
21	251-259	Bearing	1

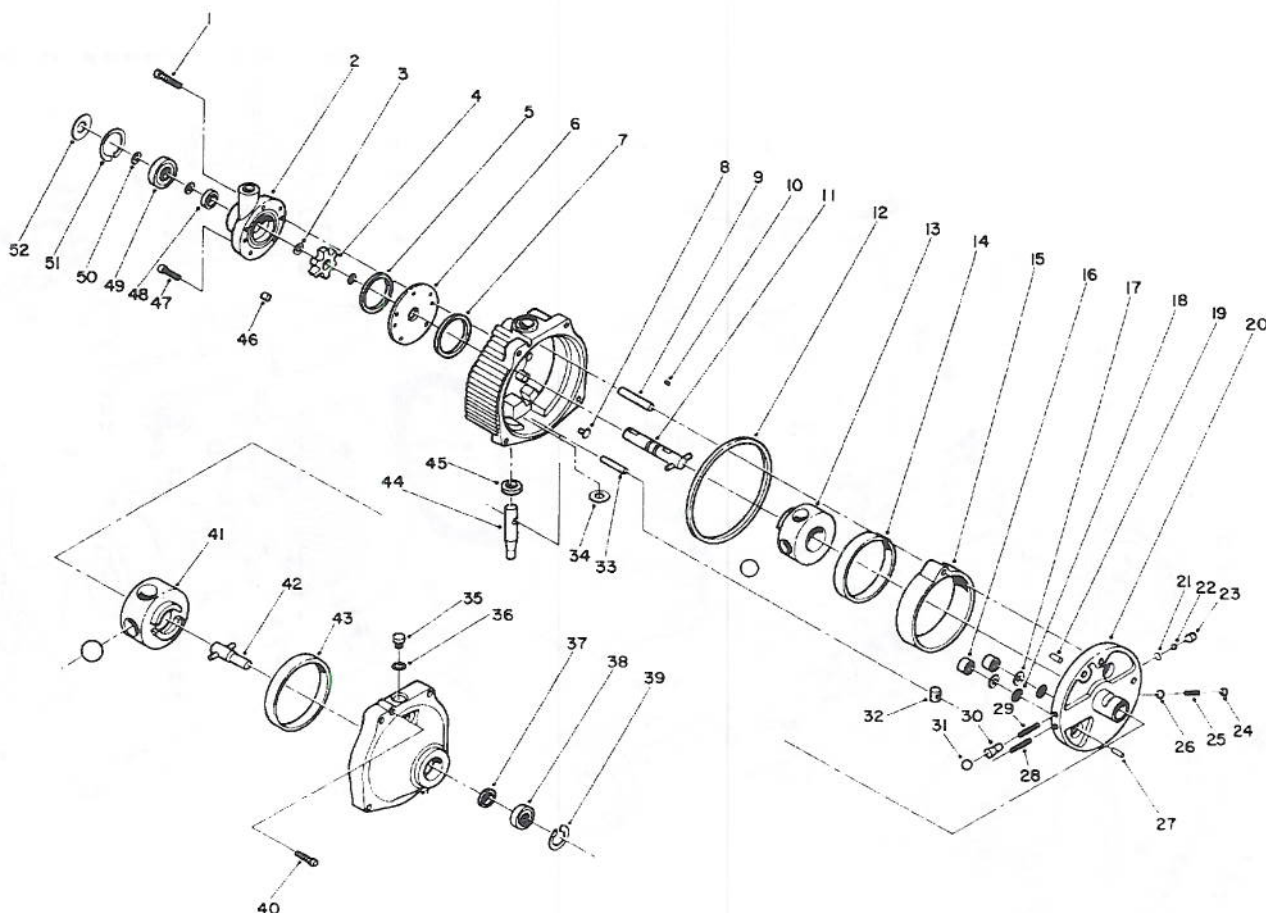
Ref. No.	Part No.	Description	No. Used
22	3210-5	Screw — Hex Head	1
23	3220-2	Nut — Hex Jam	1
24	29-6161	Switch	1
25	3249-11	Screw — Round Head	2
26	3256-26	Washer — Flat	1
27	32146-13	Nut — Lock	1
28	54-2150	Traction Lever	1
29	3220-1	Nut — Hex Jam	1
30	2411-34	Ball Joint	1
31	3296-3	Nut — Lock	1
32	3254-9	Washer — Lock	2
33	3217-16	Nut — Hex Brass	2
34	323-23	Screw — Hex	1
35	323-40	Screw — Hex	1
36	3257-24	Key — Woodruff	1
37	353-511	Fitting — 90°	2
38	237-79	"O" Ring	2
39	350-370	Fitting	2
40	3257-5	Key — Woodruff	3
41	3241-2	Screw — Set	6
42	54-0930	Pulley — Transmission	1
43	54-0240	Fan	1



TRANSMISSION & DIFFERENTIAL ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
44	3256-55	Washer	1
45	3253-3	Washer — Lock	1
46	321-2	Screw — Hex Head	1
47	3290-144	Screw — Hex Head	3
48	3255-5	Washer — Lock External Tooth	3
49	323-13	Screw — Hex Head	1
50	323-16	Screw — Hex Head	1
51	54-0070	Gear Reduction & Differential Assembly	1
52	237-80	"O" Ring	2
53	54-8970	Bolt — U	1
54	54-2380	Pulley — Jackshaft Input	1
55	54-1600	Jackshaft	1
56	302-2	Grease Fitting	2
57	3245-35	Screw — Set	4
58	251-301	Bearing w/Collar & Flange	2
59	3230-1	Bolt — Carriage	6

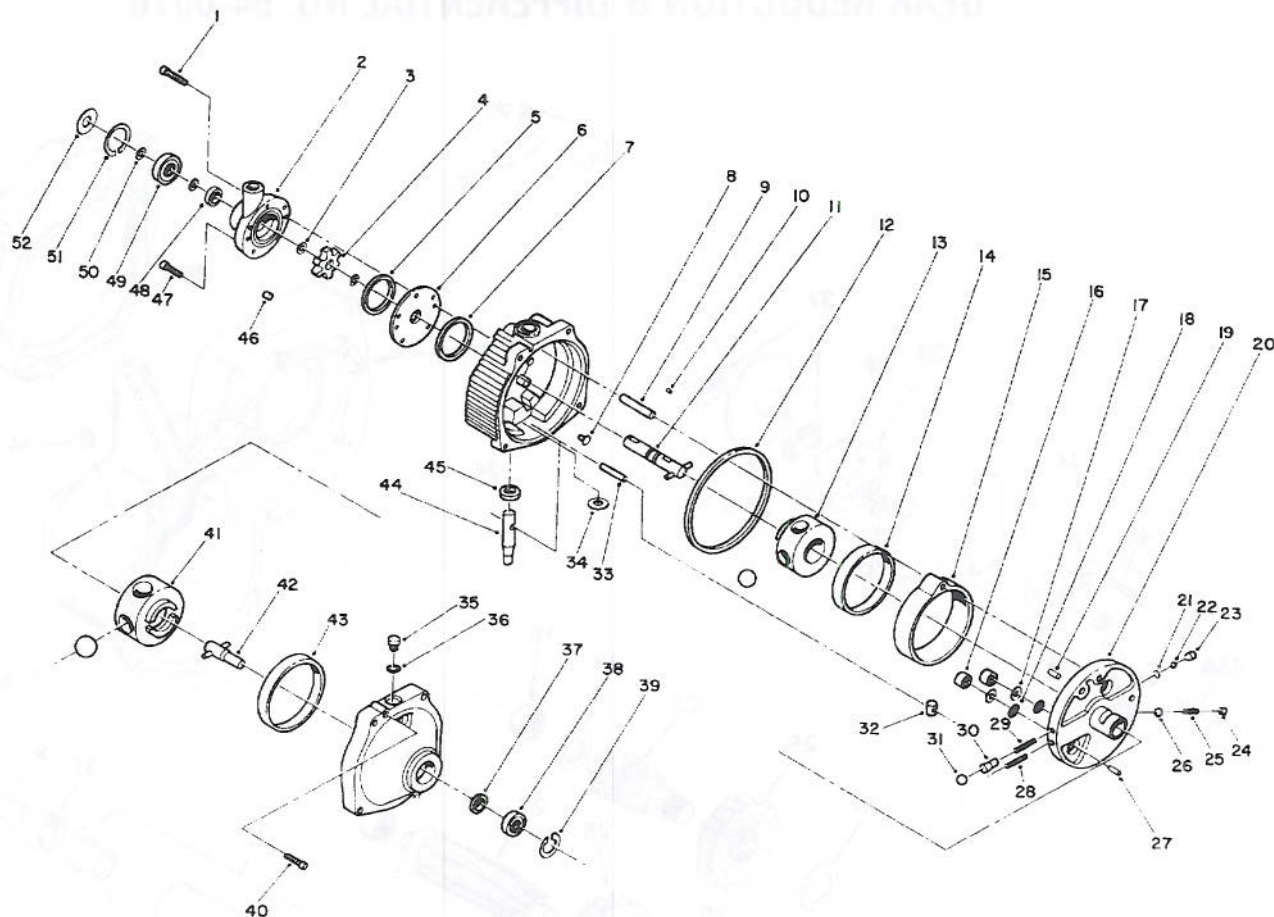
Ref. No.	Part No.	Description	No. Used
60	54-2090	Shaft — Bellcrank	1
61	46-8560	Screw — Hex Thread Forming	1
62	251-304	Rod — End	1
63	324-7	Capscrew	2
64	251-305	Rod End	1
65	3220-4	Nut — Hex Jam	1
66	54-1490	Rod — Steering	1
67	32152-9	Nut — Lock	2
68	54-2060	Bellcrank (Incl. Ref. #69 & 70)	1
69	302-49	Fitting — Grease	1
70	27-9080	Bushing — Flanged	2
71	32149-1	Nut — Lock	6
72	54-1110	Bracket — Jackshaft	1
73	54-2390	Pulley — Jackshaft, Output	1
74	3296-44	Nut — Lock	4
75	3256-3	Washer — Flat	4
76	323-8	Screw — Hex Head	4



HYDROSTATIC TRANSMISSION

Ref. No.	Part No.	Description	No. Used
1	56-2800	Capscrew — Socket Head	1
2	56-2830	Charge Pump (Incl. Ref. #48)	1
3	56-2840	Snap Ring	2
4	56-3120	Carrier	1
5	56-2850	Square Cut Seal Ring	1
6	56-2860	Pump Plate	1
7	56-2870	Square Cut Seal Ring	1
8	56-2880	Button	2
9	56-2890	Pivot Pin Dowel	1
10	56-2900	Drive Pin	1
11	56-2910	Input Shaft Sub-Assembly	1
12	56-2920	Square Cut Seal Ring	1
13	56-2930	Pump Rotor — Ball Sub-Assembly	1
14		Pump Race	1
15	56-2940	Cam Ring Assy. (Incl. Ref. #14)	1
16	56-2950	Piston	2
17	56-2960	Backup Ring	2
18	56-2970	"O" Ring	2
19	56-2980	Coil Pin	1
20	56-2990	Pintle Assembly (Incl. Ref. #16-19 & 21-31)	1

Ref. No.	Part No.	Description	No. Used
21	56-3000	Retaining Ring	2
22	56-3010	Grade 200 Ball	2
23	56-3020	Check Valve Body	2
24	56-3050	Relief Valve Plug	1
25	56-3040	Relief Valve Spring	1
26	56-3030	Grade 200 Ball	1
27	56-3060	Dowel Pin	1
28	56-3190	Acc. Valve Spring (Lower)	1
29	56-3180	Acc. Valve Spring (Upper)	1
30	56-3200	Acc. Valve Body	2
31	56-3210	Grade 200 Ball	2
32	56-3170	Cam Ring Insert	1
33	56-3160	Dowel	1
34	56-3150	Control Shaft Washer	1
35	56-3250	"O" Ring Plug Sub-Assembly (Incl. Ref. #36)	1
36	56-3260	"O" Ring — Tube Fitting	1
37	56-3270	Oil Seal	1
38	56-3280	Ball Bearing (Output)	1
39	56-3290	Retaining Ring	1
40	56-3300	Socket Head Capscrew	2
41	56-3220	Motor Rotor — Ball Sub-Assy.	1



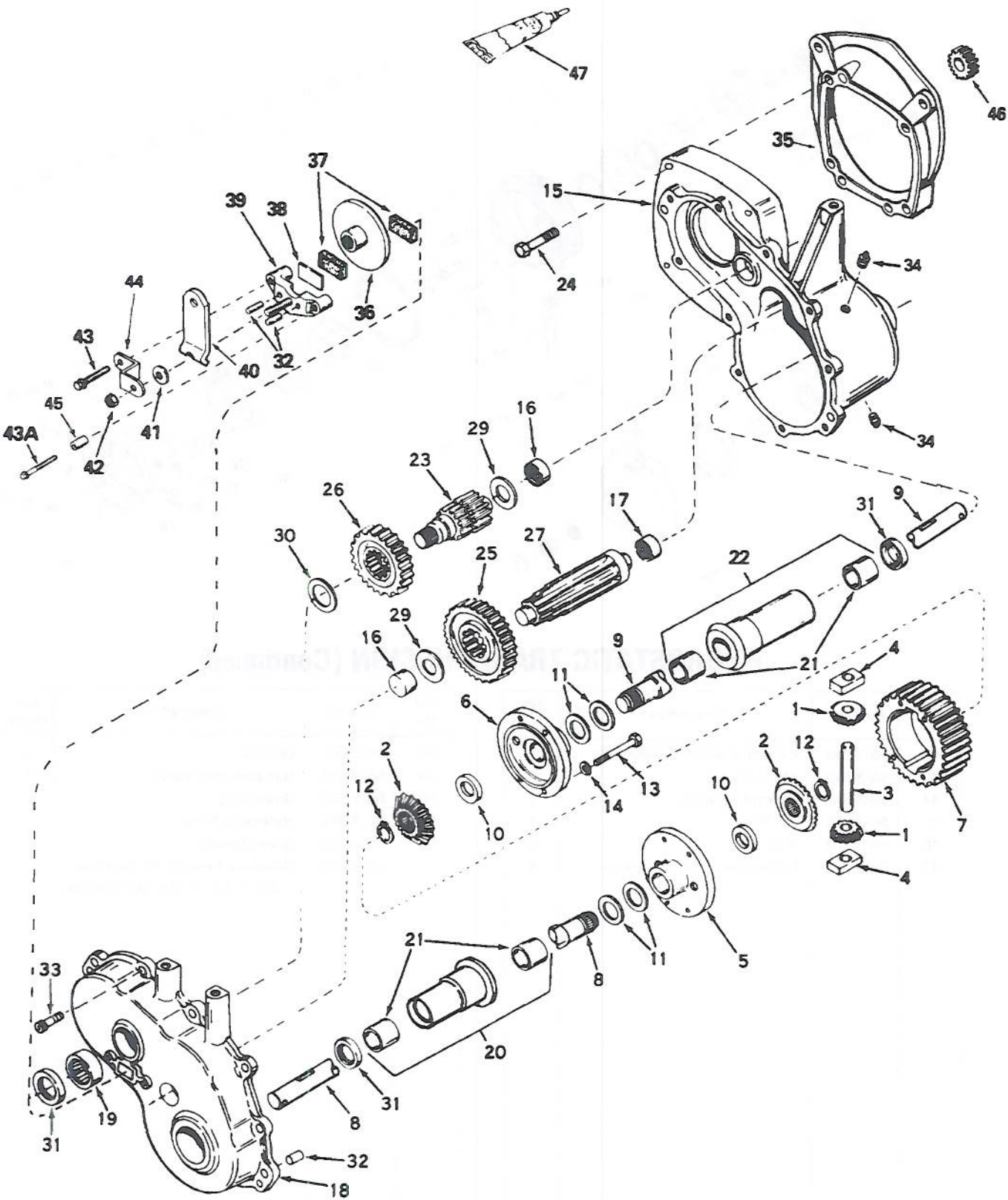
HYDROSTATIC TRANSMISSION (Continued)

Ref. No.	Part No.	Description	No. Used
42	56-3230	Output Shaft Sub-Assembly	1
43	56-3240	Motor Race	1
44	56-3140	Control Shaft Kit	1
45	56-3130	Oil Seal	1
46	56-3110	Roll	6
47	56-3100	Capscrew — Socket Head	4

Ref. No.	Part No.	Description	No. Used
48	56-2820	Oil Seal	1
49	56-2810	Ball Bearing (Input)	1
50	56-3090	Snap Ring	2
51	56-3080	Retaining Ring	1
52	56-3070	Grass Shield	1
*	56-3310	Overhaul Sealing Kit (Incl. Ref. #5, 7, 12, 17, 18, 36, 45 & 48)	1

*Not Illustrated

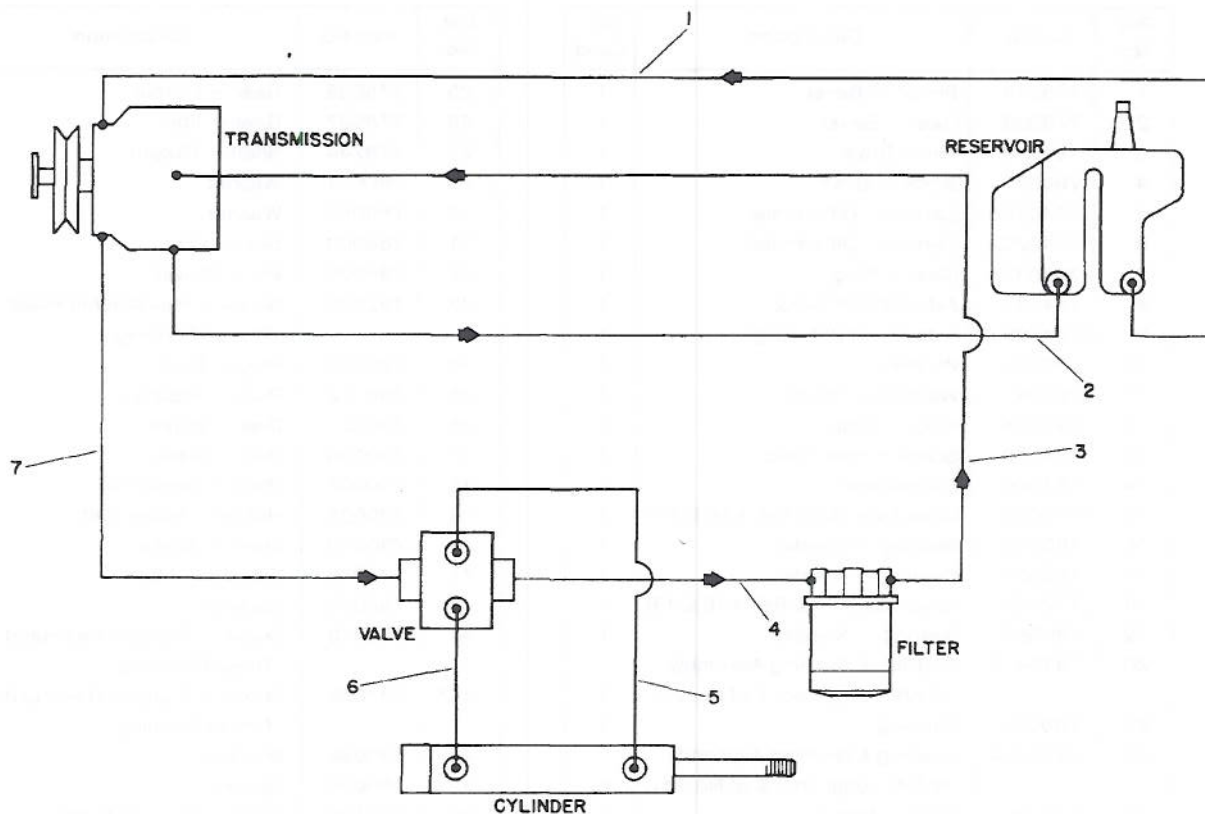
GEAR REDUCTION & DIFFERENTIAL NO. 54-0070



GEAR REDUCTION & DIFFERENTIAL NO. 54-0070

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 Head	1
14	792006	Lockwasher	1
15	770080	Case Assy. (Incl. Ref. #16 & 17)	1
16	780013	Bearing — Needle	1
17	780088	Bearing — Needle	1
18	772085	Cover Assy. (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 Head	1

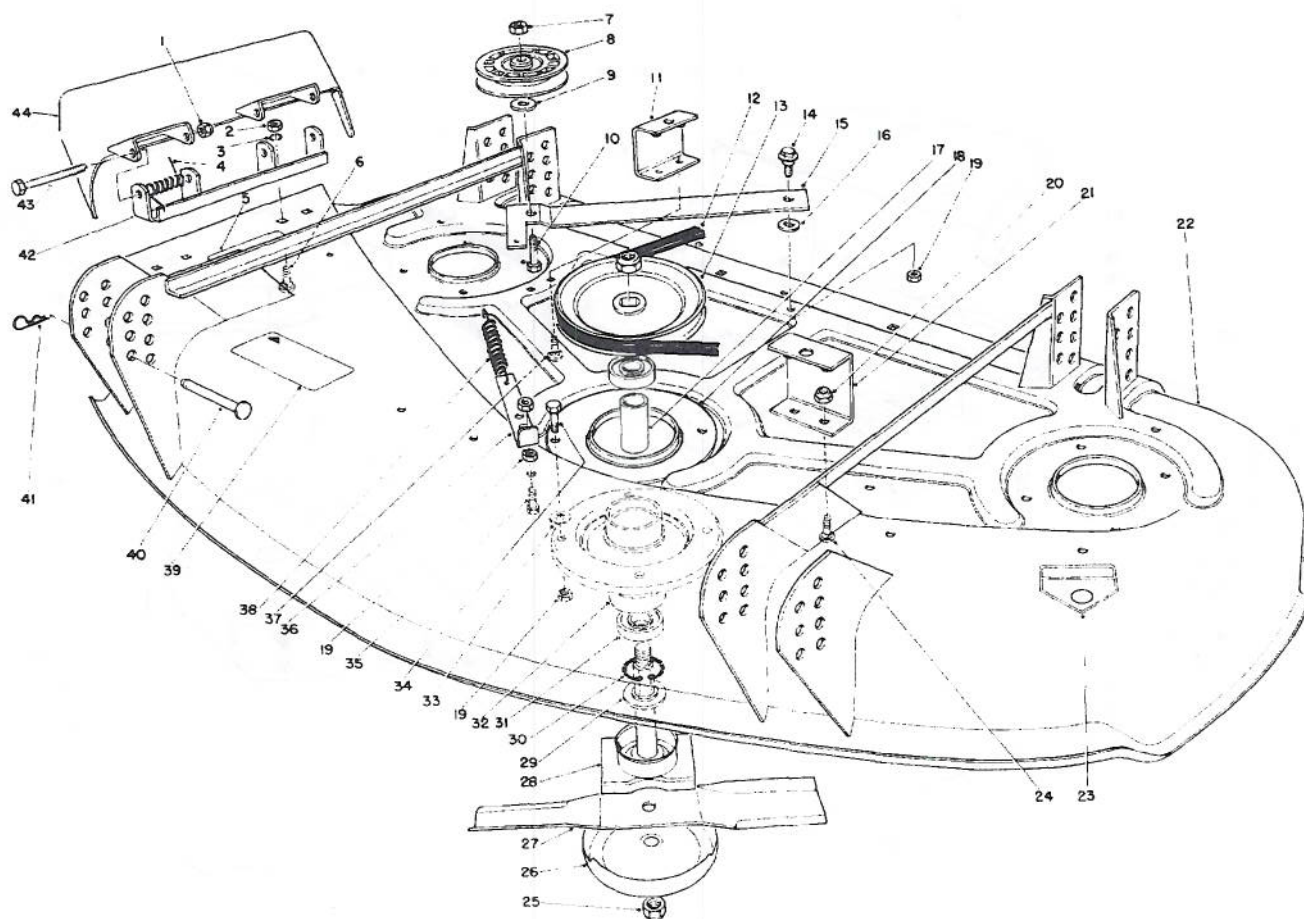
Ref. No.	Part No.	Description	No. Used
25	778036	Gear — Output	1
26	778037	Gear — Idler	1
27	776244	Shaft — Output	1
29	780001	Washer	1
30	780090	Washer	1
31	788008	Seal — Oil	1
32	786026	Pin — Dowel	1
33	792046	Screw — Hex Washer Head Thread Forming	1
34	792010	Plug — Pipe	1
35	786112	Plate — Adapter	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 Head Thread Forming	1
43A	792085	Screw — Flanged Hex Head Thread Forming	1
44	786086	Bracket	1
45	786066	Spacer	1
46	778194	Gear — Spur (22 teeth)	1
47	510334	Gasket Eliminator	1



HYDRAULIC SCHEMATIC

Ref. No.	Part No.	Description	No. Used
1	54-2600	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

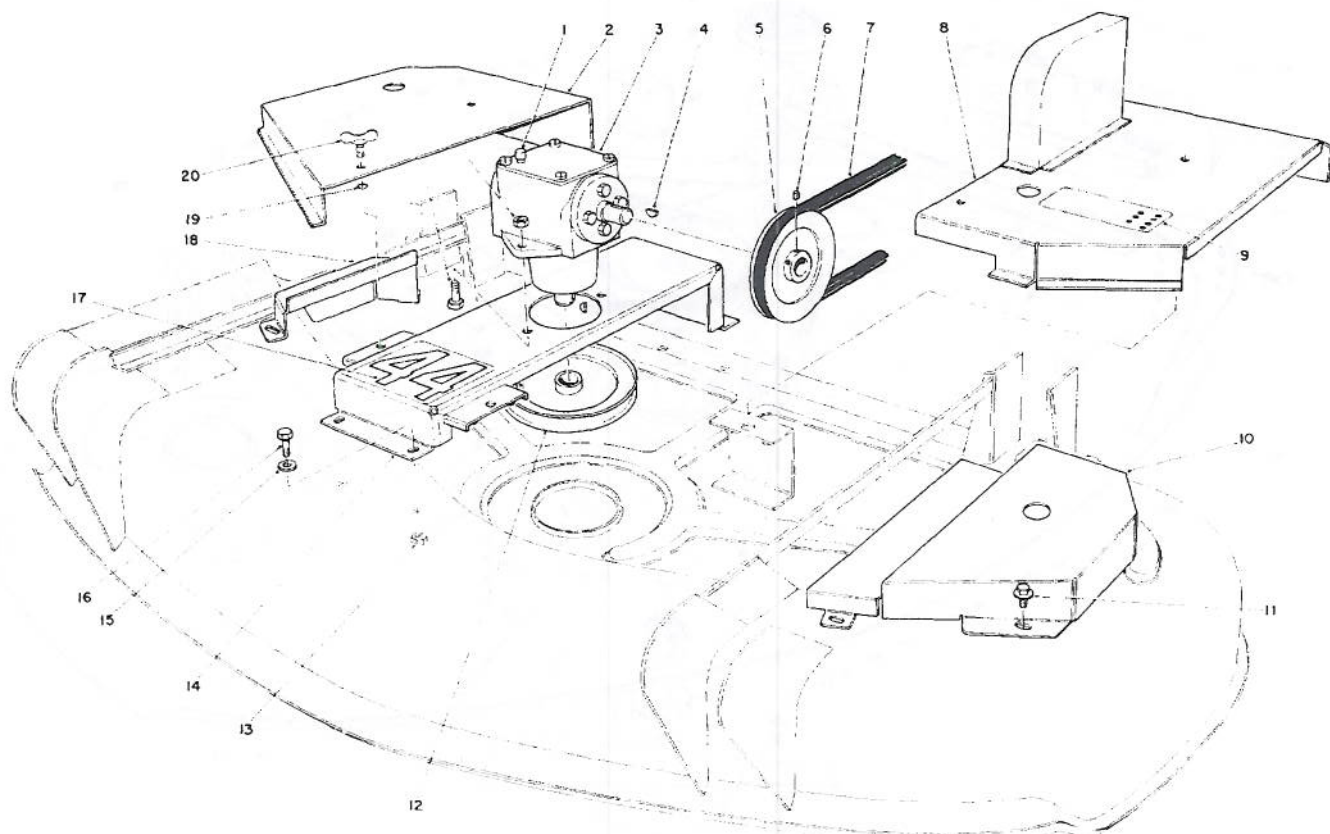
Ref. No.	Part No.	Description	No. Used
5	54-2610	Hose Assembly — Cylinder to Valve	1
6	54-2620	Hose Assembly — Cylinder to Valve	1
7	54-2590	Hose Assembly — Transmission to Valve	1



CUTTING UNIT MODEL NO. 30544

Ref. No.	Part No.	Description	No. Used
1	3296-5	Nut — Lock	2
2	3217-6	Nut — Hex	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	55-7050	Bracket — Cover (R.H.)	1
12	54-1370	V-Belt	1
13	54-2370	Pulley — Spindle	3
14	19-1470	Bolt — Shoulder	1
15	55-7430	Lever — Deck	1
16	23-1120	Washer	1
17	54-0210	Spacer — Bearing	3
18	55-8280	Deck Support Ring	3
19	32152-1	Nut — Hex	15
20	3296-16	Nut — Lock	4
21	55-7060	Bracket — Cover (L.H.)	1
22	54-0700	44" Deck Assembly	1

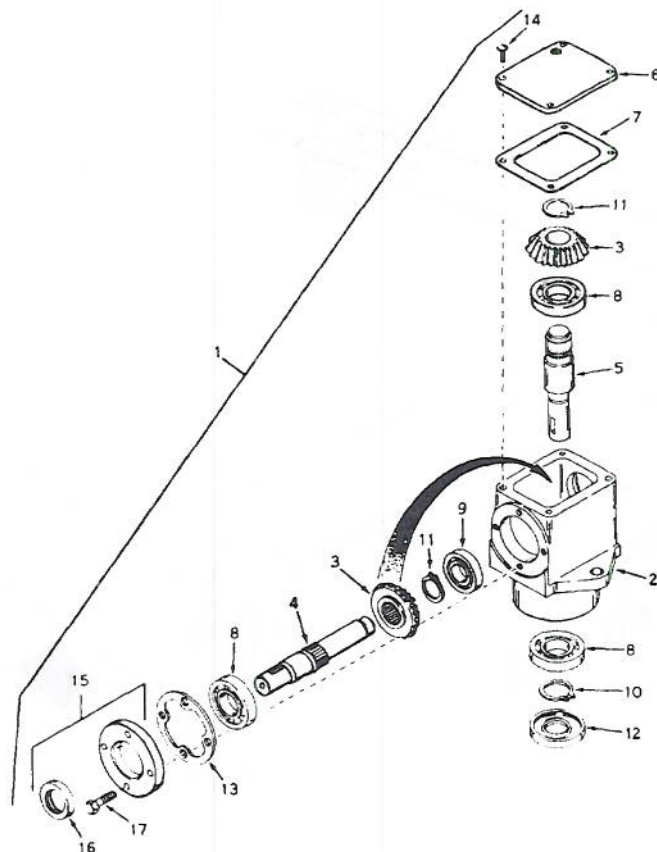
Ref. No.	Part No.	Description	No. Used
23	43-8480	Decal — Danger	1
24	3229-3	Carriage Bolt	2
25	17-0980	Nut — Special	6
26	7-3522	Cup — Anti Scalp	3
27	54-0010	Blade	3
28	47-0091	Shaft — Spindle	3
29	47-0110	Spacer — Spindle	3
30	32120-11	Ring — Retaining	3
31	251-297	Bearing	6
32	54-0160	Tube — Spindle	3
33	3256-24	Washer — Flat	A/R
34	322-4	Screw — Cap Hex Head	12
35	322-5	Screw — Cap Hex Head	1
36	54-1180	Anchor — Deck Spring	1
37	3229-11	Bolt — Carriage	2
38	54-1160	Spring — Extension	1
39	42-6430	Decal — Warning	1
40	283-55	Pin — Clevis	4
41	3290-355	Pin — Hair	4
42	55-8320	Bracket — Deflector Pivot	1
43	3211-15	Screw — Cap Hex Head	2
44	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	3245-7	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	32152-1	Nut — Hex	4
14	55-7030	Bracket — Gearbox	1
15	3256-23	Washer — Flat	2
16	322-4	Screw — Cap Hex Head	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

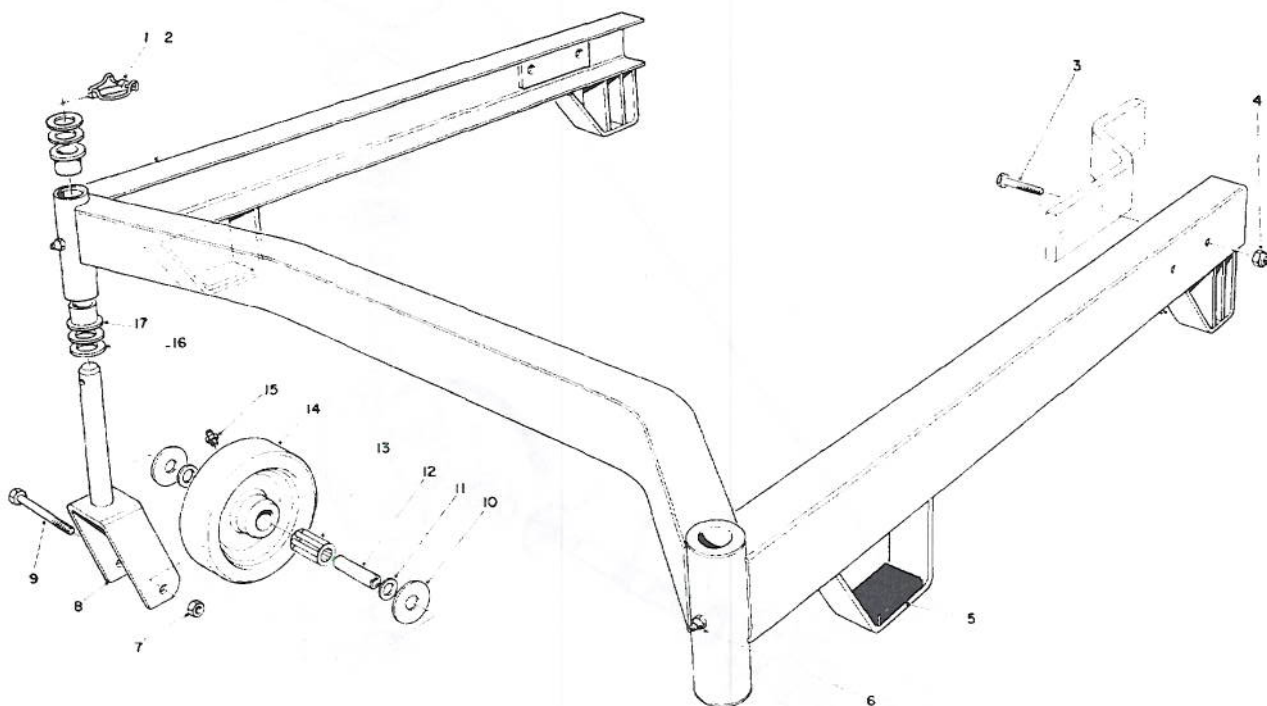


CUTTING UNIT MODEL NO. 30544 (Continued)

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

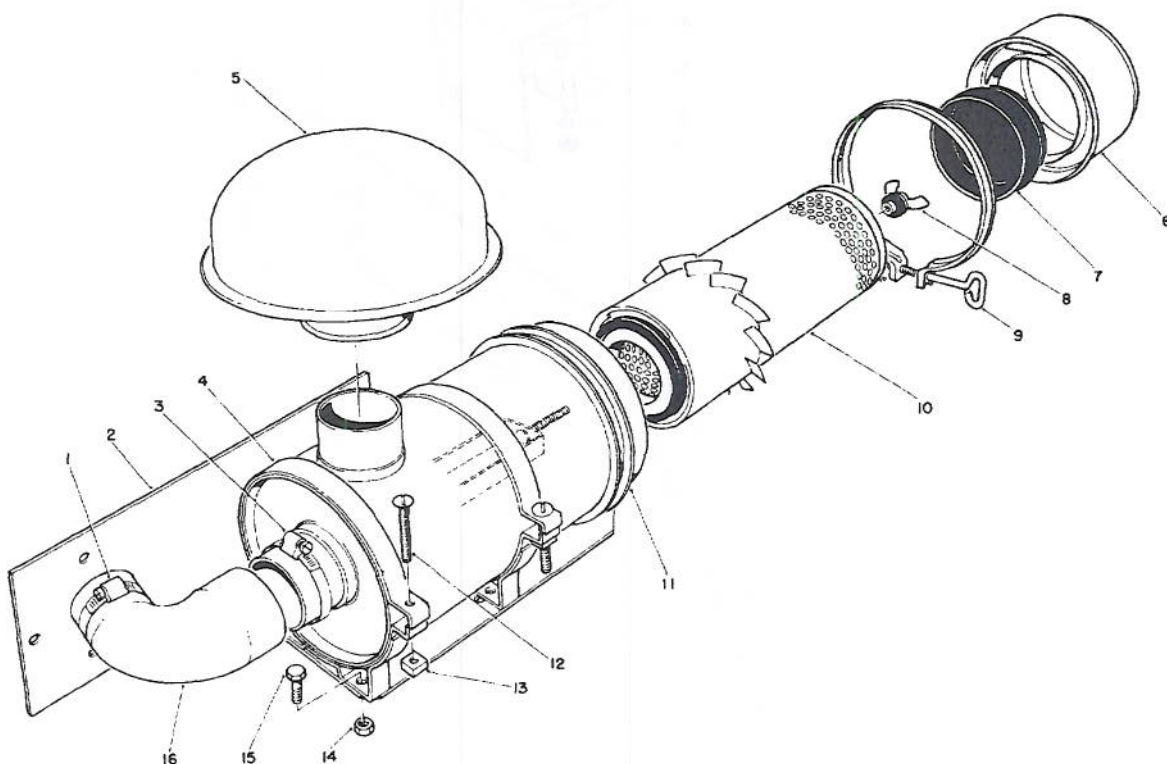


CUTTING UNIT MODEL NO. 30544 (Continued)

Ref. No.	Part No.	Description	No. Used
1	3290-384	Pin — Lynch	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	32152-3	Nut — Hex	2
8	54-2680	Fork — Caster	2
9	325-17	Screw — Cap Hex Head	2

Ref. No.	Part No.	Description	No. Used
10	46-8970	Retainer — Bearing	4
11	46-9030	Retainer — Bearing	4
12	54-9310	Bushing — Spanner	2
13	54-9330	Bearing — Roller	2
14	54-9320	Wheel & Tire	2
15	302-55	Fitting — Grease	2
16	3-6781	Washer — Thrust	8
17	28-9290	Bushing	4
*	54-2690	Castor Wheel Assembly (Incl. Ref. #11-15)	2

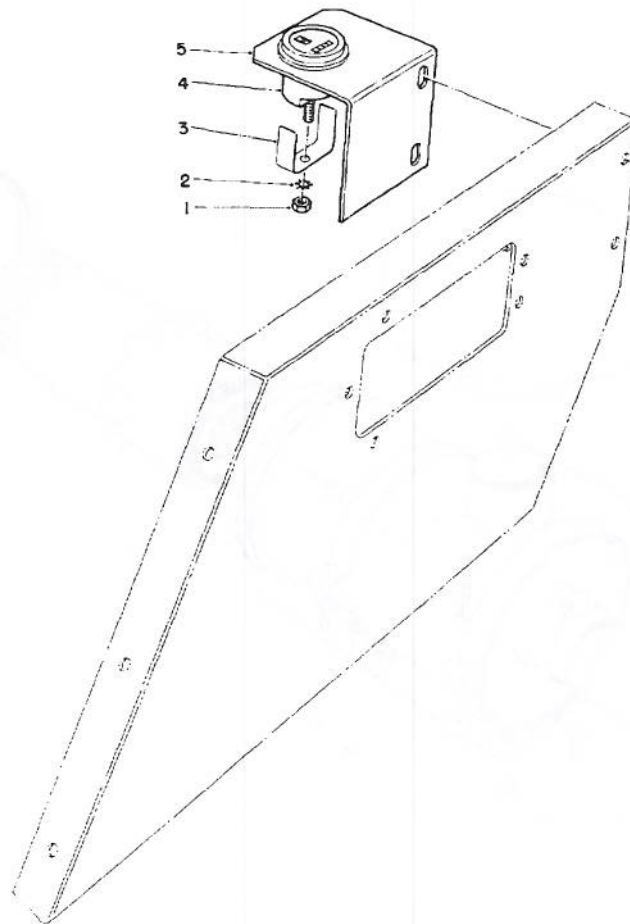
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REMOTE AIR CLEANER KIT NO. 55-8460 (Optional)

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

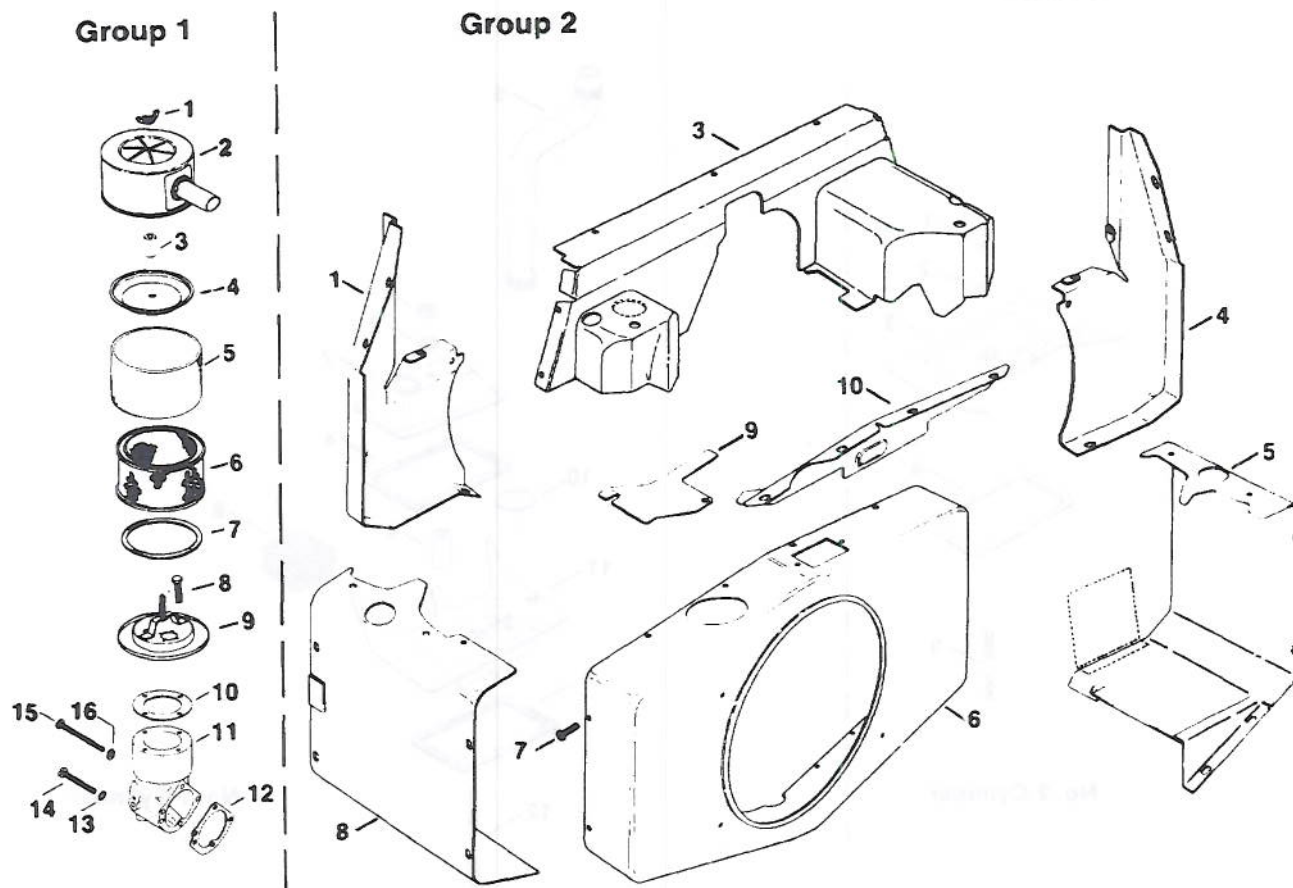
Ref. No.	Part No.	Description	No. Used
10	33-1300	Element Assembly	1
11		Body Assembly	1
12	3258-19	Screw — Machine	2
13	32107-11	Nut — Square	2
14	3296-29	Nut	4
15	322-2	Capscrew	4
16	55-4240	Hose	1
	11-4659	Air Cleaner Assembly (Incl. Ref. #4-5 & 6-13)	1



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

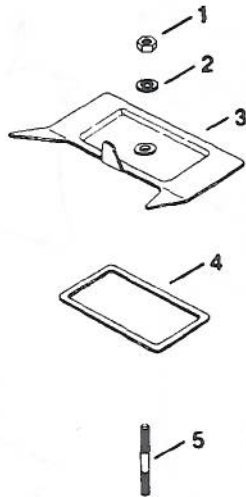


ENGINE KOHLER MODEL NO. KT17QS TYPE NO. 24324

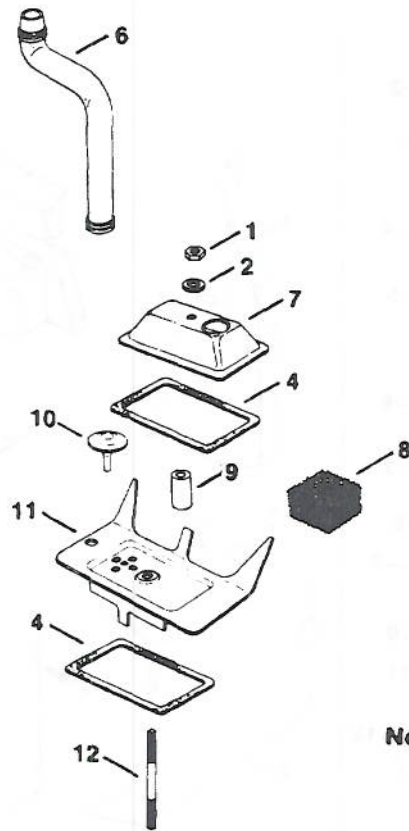
Ref. No.	Part No.	Description	No. Used
AIR INTAKE — Group 1			
1	X-276-7	Nut — Wing	1
2	52 096 26	Cover — Air Cleaner	1
3	231032	Seal — Element Cover	1
4	52 082 04	Cover — Air Cleaner Element	1
5	45 083 01	Precleaner	1
6	45 083 02	Element	1
7	237423	Seal — Air Cleaner Cover	1
8	X-67-98	Screw — H.C.	4
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 08	#1 Side — Air Duct	1
5	52 124 24	Baffle — #1 Cylinder Head	1
6	52 027 09	Housing Blower	1
7	X-67-83	Screw — Hex Wash Head	21
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



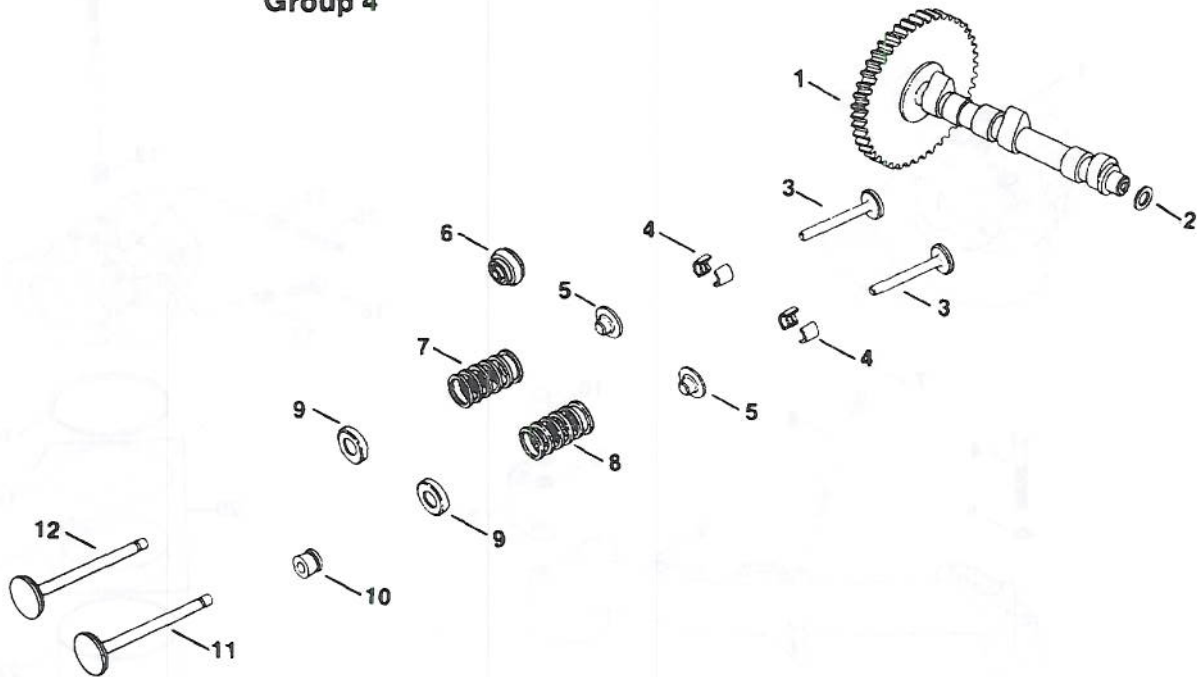
No. 1 Cylinder

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

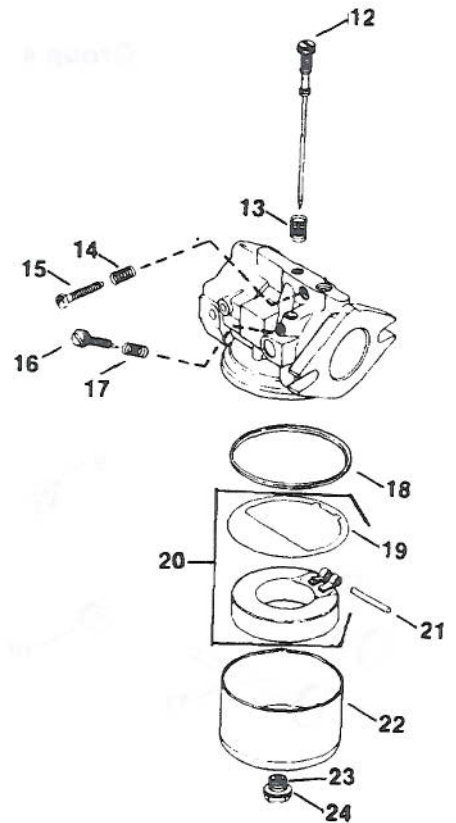
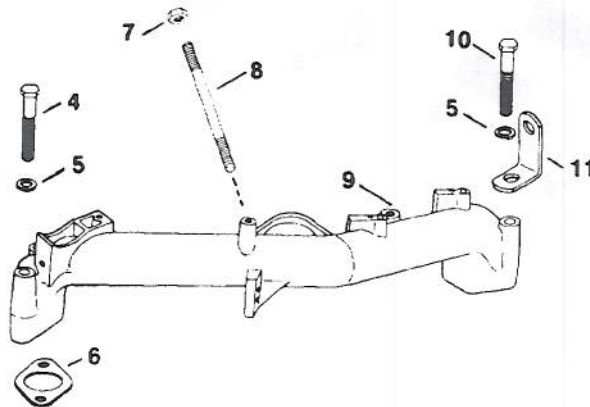
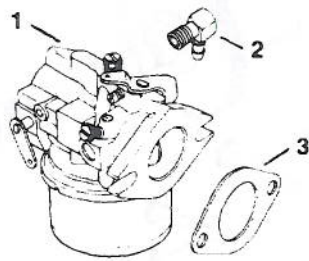


ENGINE KOHLER MODEL NO. KT17QS TYPE NO. 24324 (Continued)

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	8
5	230011	Retainer — Spring	2
6	230020	Rotator — Valve	1

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	52 032 05	Seal — Valve Stem	2
11	52 017 01	Valve — Intake	2
12	52 016 02	Valve — Exhaust	2

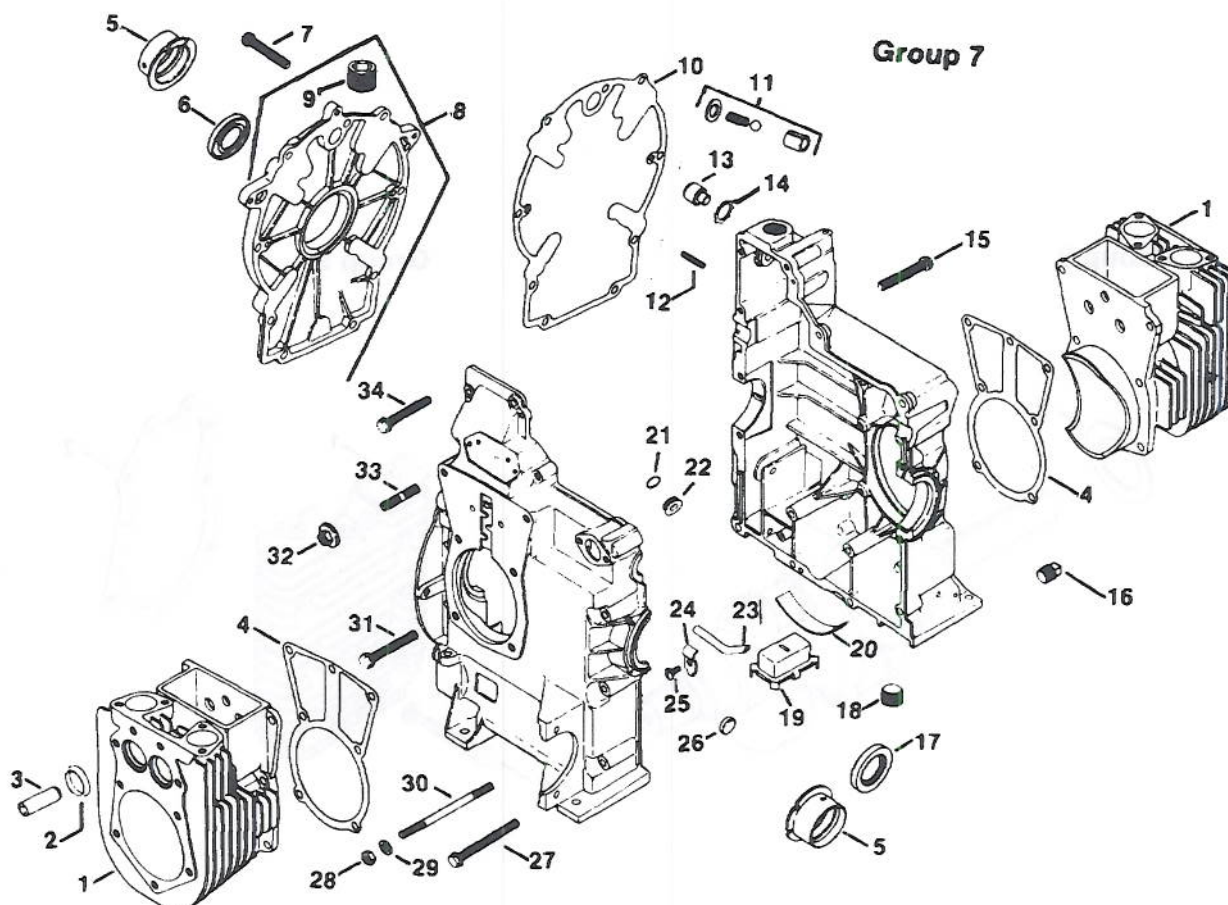
Group 5



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.	2
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
10	X-6-54	Screw — H.C.	2
11	52 445 02	Strap — Lifting	2
12	52 103 01	Needle — Main Fuel Adj.	1

Ref. No.	Part No.	Description	No. Used
13	200383	Spring — Main Fuel	1
14	232555	Spring — Idle Speed	1
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

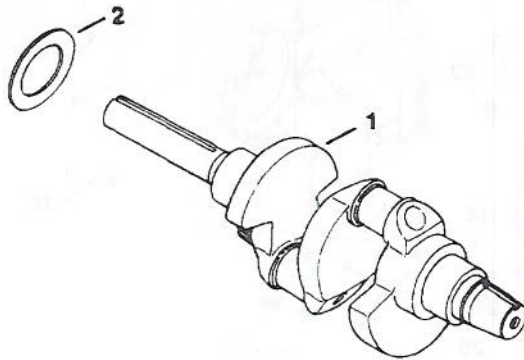


ENGINE KOHLER MODEL NO. KT17QS TYPE NO. 24324 (Continued)

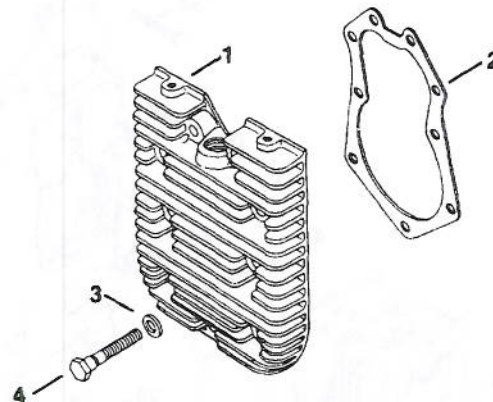
Ref. No.	Part No.	Description	No. Used
		CRANKCASE — Group 7	
1	52 565 27	Barrel — Cylinder	2
2	230265	Insert — Valve Seat	4
3	52 316 06	Guide — Valve	4
4	52 041 04	Gasket — Cyl. Barrel	2
5	52 030 10	Bearing — Sleeve	2
	52 030 11	Bearing — Sleeve .010 U.S.	1
	52 030 12	Bearing — Sleeve .020 U.S.	1
6	X-583-5	Seal — Rear Oil	1
7	X-802-9	Screw — Wash Head	9
8	52 755 43	Kit — Rear Closure Plate	1
9	52 139 07	Plug — Pip Hex Ctsk	1
10	52 041 08	Gasket — Rear Closure Plate	1
11	52 755 33	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	X-802-8	Screw — Hex Flange	2
16	X-75-10	Plug — Pipe Solid Sq. Head	1

Ref. No.	Part No.	Description	No. Used
17	52 032 10	Seal — Front Oil	1
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 04	Clamp	1
25	X-67-64	Screw	1
26	X-702-15	Plug — Cup	1
27	X-802-7	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	X-802-10	Screw — Hex Wash Head	2
32	52 100 03	Nut — Whizlock	12
33	52 072 01	Stud	12
34	X-802-6	Screw — Hex Flange	2
	52 522 32	Block — Short	1
	52 755 12	Gasket — Set, w/Seals	1

Group 8



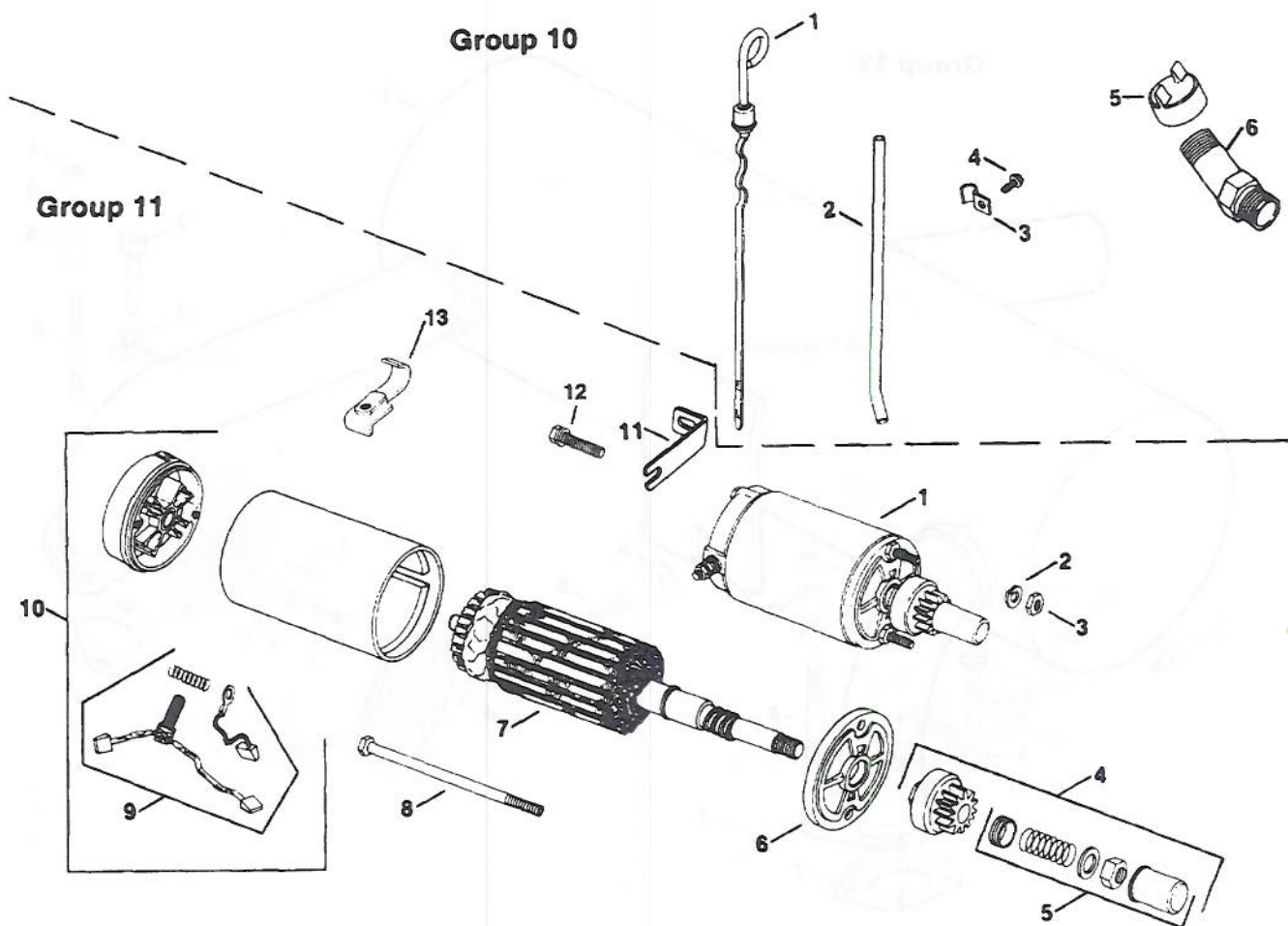
Group 9



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

Ref. No.	Part No.	Description	No. Used
		CRANKSHAFT — Group 8	
1	52 014 62	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.

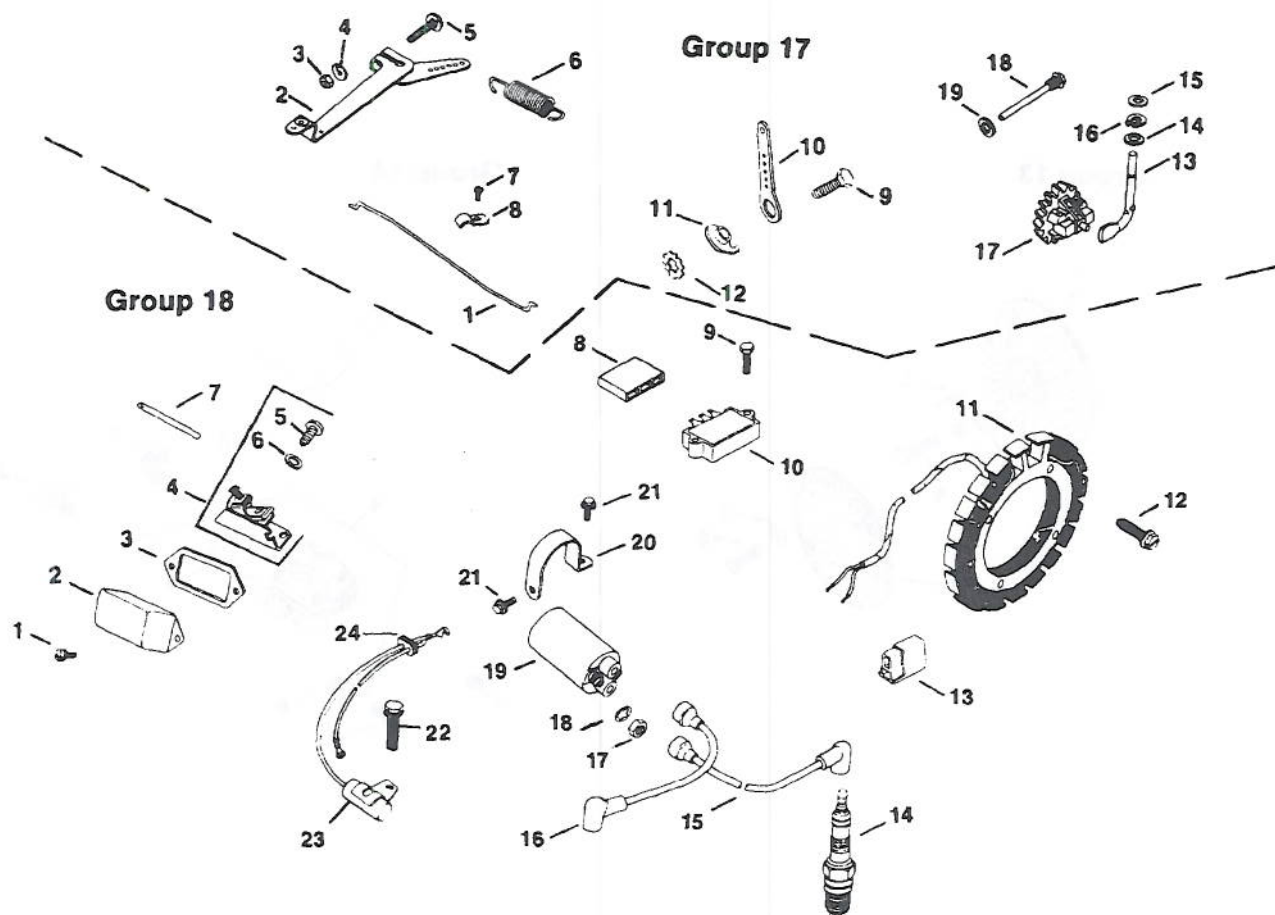
Ref. No.	Part No.	Description	No. Used
		CYLINDER HEAD — Group 9	
1	52 015 06	Head — Cylinder #1 & #2	1
2	52 052 03	Gasket — Cylinder Head	2
3	220534	Washer — Cylinder Head	18
4	41 086 02	Screw — Cylinder Head	18



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

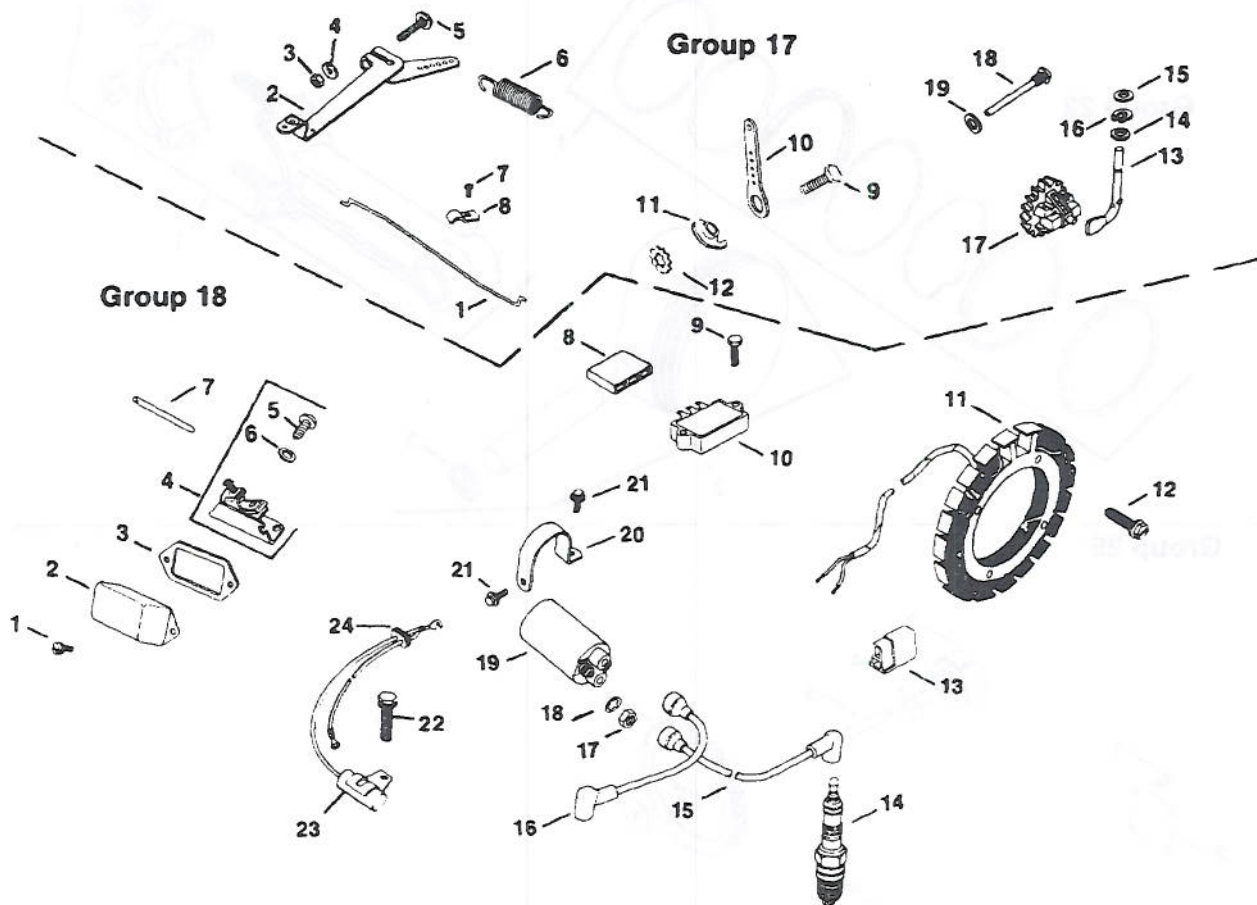
Ref. No.	Part No.	Description	No. Used
ELECTRIC START — Group 11			
1	52 098 06	Starter Assembly	1
2	X-20-1	Washer	2
3	X-81-1	Nut	2
4	52 755 05	Kit — Drive	1
5	52 755 08	Kit — Drive Parts	1
6	52 227 01	Cap — Drive End	1
7	52 170 03	Armature	1
8	52 211 03	Bolt — Thru	2
9	52 755 15	Kit — Brush and Spring	1
10	52 227 07	Kit — Commutator End Cap	1
11	52 126 03	Bracket — Starter Support	1
12	52 086 11	Screw — Hex Wash Hd Tap	1
13	52 126 07	Bracket — Mounting	1



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

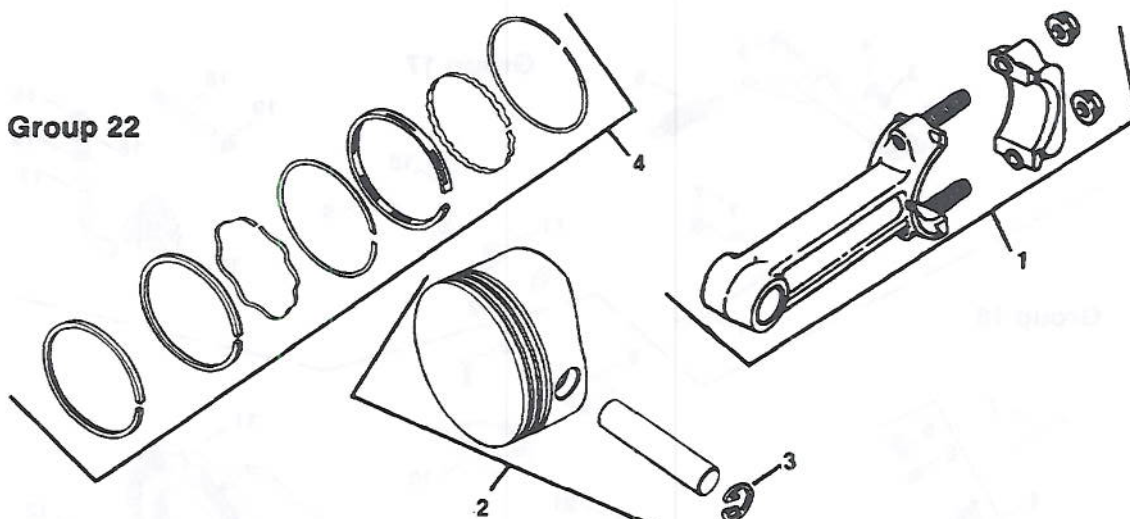


ENGINE KOHLER MODEL NO. KT17QS TYPE NO. 24324 (Continued)

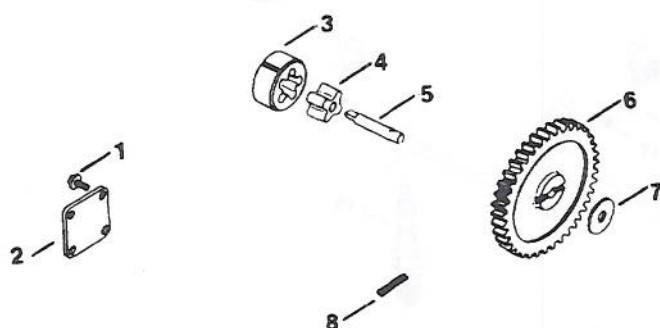
Ref. No.	Part No.	Description	No. Used
13	48 155 02	Connector — Male	1
14	51 132 02	Spark Plug	2
15	52 348 04	Lead — Hi-Tension 19"	1
16	52 348 03	Lead — Hi-Tension 11"	1
17	X-70-2	Nut — Hex	2
18	X-22-9	Washer — I.T.	2

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



Group 25



ENGINE KOHLER MODEL NO. KT17QS TYPE NO. 24324

Ref. No.	Part No.	Description	No. Used
PISTON & ROD — Group 22			
1	52 067 61	Connecting Rod Assy. (Std.)	2
1	52 067 62	Connecting Rod Assembly (.010 U.S.)	2
2	52 074 67	Piston Assembly (Std.)	2
	52 074 68	Piston Assembly (.003)	2
	52 074 69	Piston Assembly (.010)	2
	52 074 70	Piston Assembly (.020)	2
	52 074 71	Piston Assembly (.030)	2
3	23004	Retainer — Piston Pin	4
4	52 108 01	Ring Set (Std. & .003)	2
	52 108 02	Ring Set (.010)	2
	52 108 03	Ring Set (.020)	2
	52 108 04	Ring Set (.030)	2

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	51 414 02	Rotor — Outer	1
4	51 414 01	Rotor — Inner	1
5	52 144 05	Shaft — Oil Pump	1
6	52 043 05	Gear — Oil Pump	1
7	52 422 01	Spacer (A.R. max. 2)	1
8	X-280-25	Pin — Roll	1