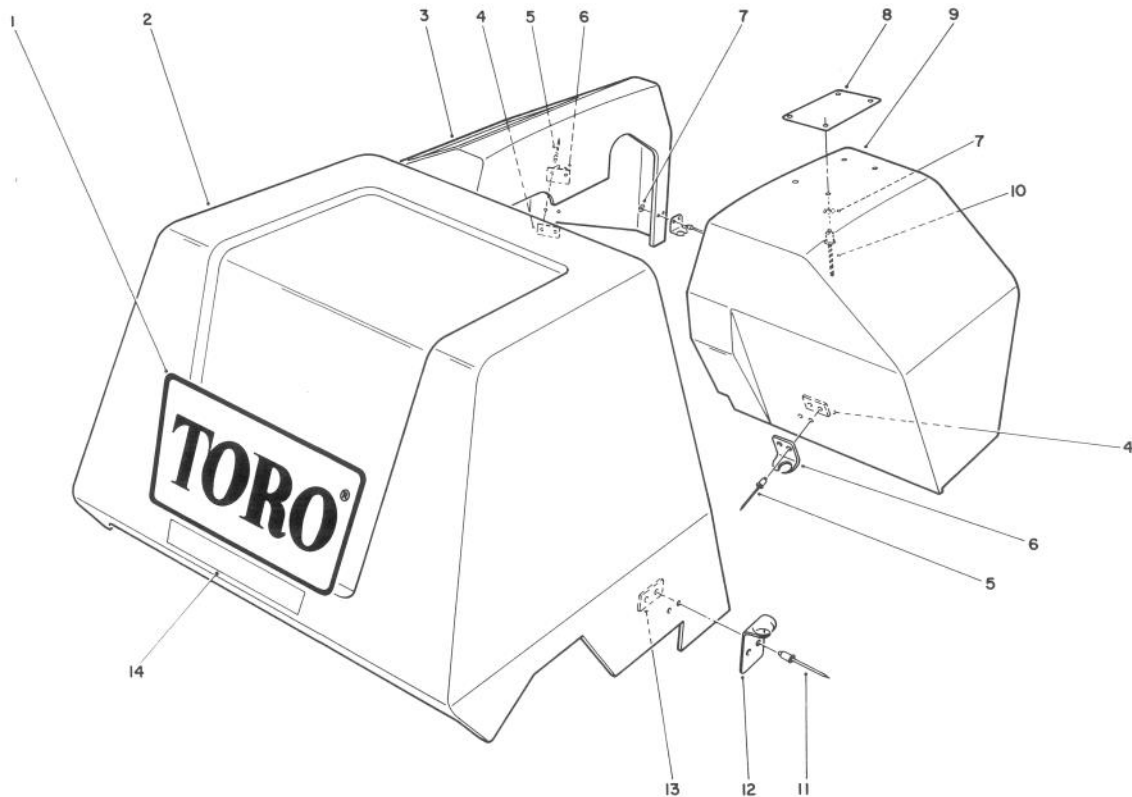


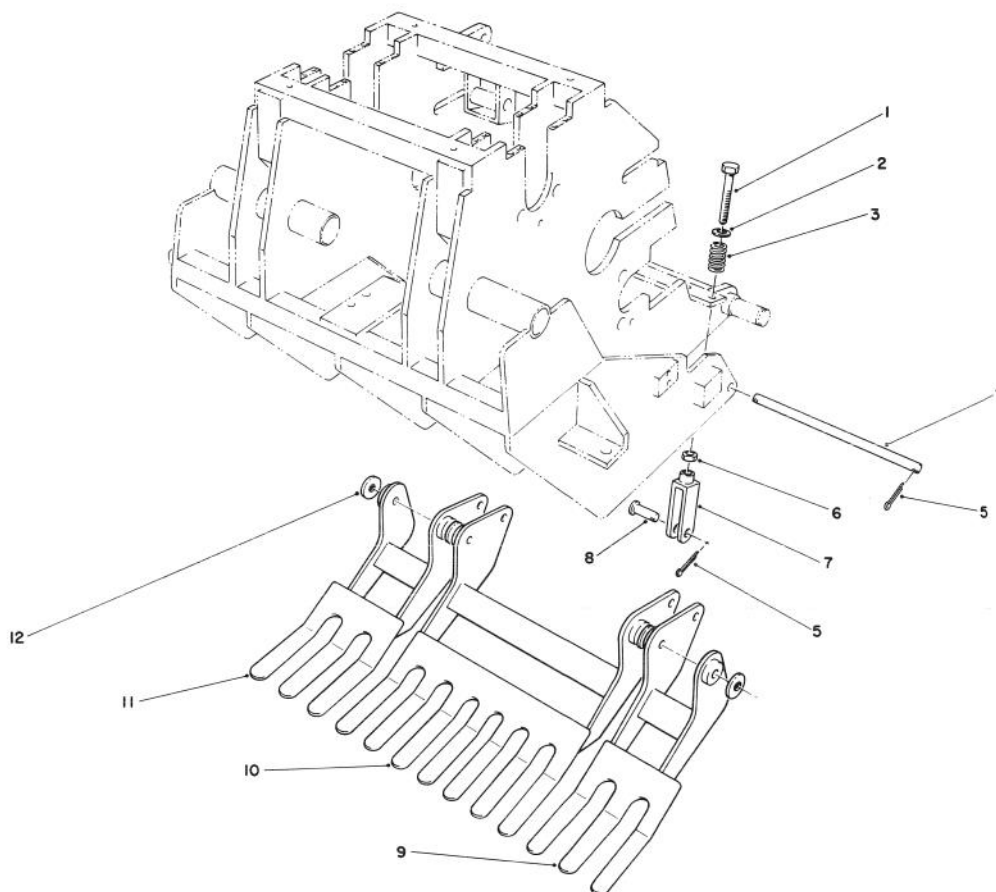
TORO®

MODEL NO. 09100-70874 & UP

**PARTS
CATALOG****GREENS AERATOR****COVERS ASSEMBLY**

Ref. No.	Part No.	Description	No. Used
1	59-4350	Decal — Toro	1
2	59-3350	Cover — Coring Head	1
3	61-9170	Cover — Controls	1
4	59-9610	Plate — Backup	5
5	3269-8	Rivet — Pop	12
6	249-40	Keeper — Reverse	6
7	5-1254	Washer — Plain	6

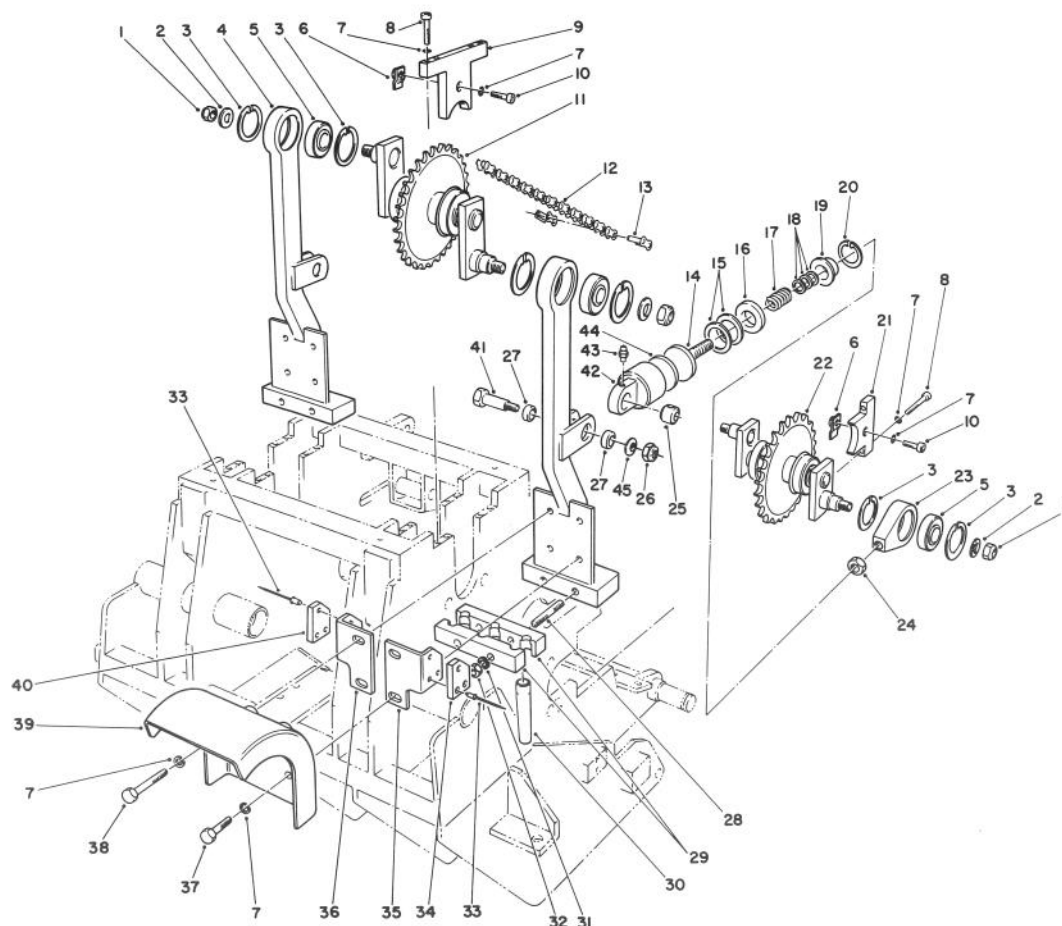
Ref. No.	Part No.	Description	No. Used
8	61-9090	Shield — Heat	1
9	59-3390	Cover — Clutch	1
10	3269-17	Rivet — Pop	4
11	3269-4	Rivet — Pop	4
12	249-38	Keeper	2
13	59-9611	Plate — Backup	2
14	59-9930	Decal — Danger	1



TURF GUARD ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3211-11	Screw — Cap Hex Hd.	4
2	3256-4	Washer — Plain	4
3	59-3490	Spring — Compression	4
4	59-2770	Rod — Pivot	2
5	3272-6	Pin — Cotter	8
6	3220-3	Nut — Jam	4

Ref. No.	Part No.	Description	No. Used
7	282-1	Clevis	4
8	283-2	Pin — Clevis	4
9	59-2250	Turf Guard — R.H.	1
10	59-2240	Turf Guard — Center	1
11	59-2260	Turf Guard — L.H.	1
12	3256-26	Washer — Flat	6



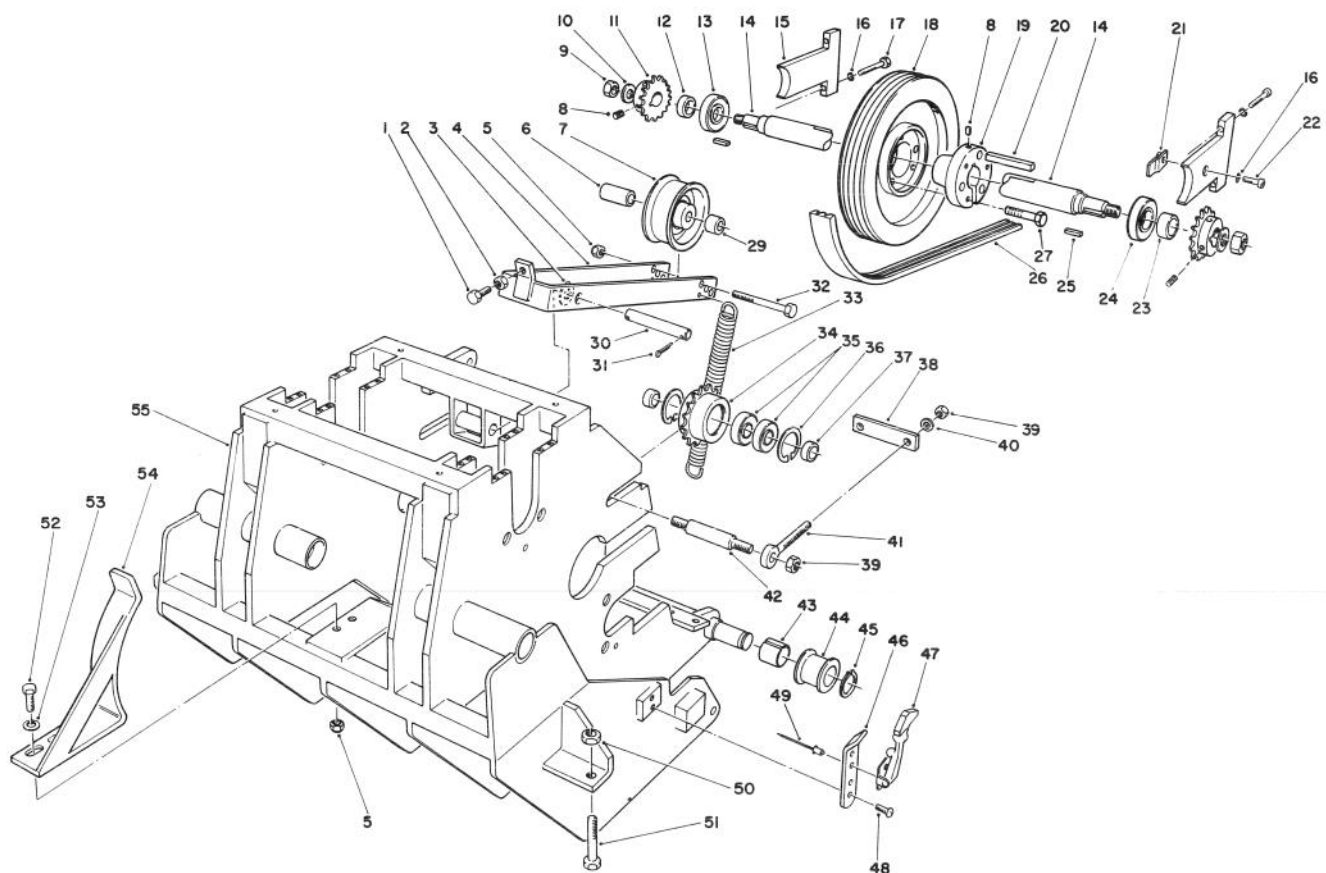
TINE ARM & CRANK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3296-50	Nut — Hex	8
2	3256-44	Washer — Plain	8
3	32120-22	Ring — Retaining	16
4	12-6139	Arm — Tine (Incl. Ref. #27 & 28)	4
5	251-312	Bearing	8
6	59-2710	Clip — Retaining	15
7	3253-21	Washer — Lock	52
8	3274-50	Screw — Hex Socket Hd.	24
9†		Cap — Bearing	4
10	3274-7	Screw — Hex Socket Hd.	15
11	59-1770	Crank Assembly — Long	2
12	59-2080	Chain — Roller	2
13	287-13	Link — Connecting	2
14	59-3460	Rod — Ram	4
15	59-9600	Spacer — Damper (Large)	8
16	59-3480	Cushion	4
17	59-3490	Spring — Compression	4
18	59-9590	Spacer — Damper (Small)	12
19	59-3450	Retainer	4
20	32151-75	Ring — Retaining	4
21†		Cap — Bearing	4
22	59-1820	Crank Assembly — Short	2
23	59-3410	Retainer — Bearing	4
24	3218-6	Nut — Jam	4
25	59-3520	Bushing — Long	4
26	32152-10	Nut — Lock	4

Ref. No.	Part No.	Description	No. Used
27	59-3510	Bushing — Short	8
28	61-9160	Stud	8
29	59-2500	Block	8
*	62-4610	Block (For 3/4" Tines)	8
30	59-3670	Tine — 5/8"	12
*	59-3680	Tine — 1/2"	12
*	59-3690	Tine — 3/8"	12
*	62-4600	Tine — 3/4"	12
*	59-9770	Tine — 5/8", Long Wear	12
*	59-9760	Tine — 1/2", Long Wear	12
31	3253-7	Washer — Lock	8
32	3217-9	Nut — Hex	8
33	3269-3	Rivet — Pop	24
34	59-2520	Plate — Wear R.H.	4
35	59-2510	Wear Plate Assembly R.H. (Incl. Ref. #33 & 34)	4
36	59-2540	Wear Plate Assembly L.H. (Incl. Ref. #33 & 40)	4
37	323-6	Screw — Cap Hex Hd.	8
38	323-11	Screw — Cap Hex Hd.	8
39	59-4220	Deflector — Kickout	4
40	59-2550	Plate — Wear L.H.	4
41	59-3500	Bolt — Shoulder	4
42	59-3420	Housing	4
43	302-2	Fitting — Grease	4
44	59-3470	Cushion	4
45	21-0640	Washer — Belleville	4

† Included with Coring Head Frame Assembly #59-1730.

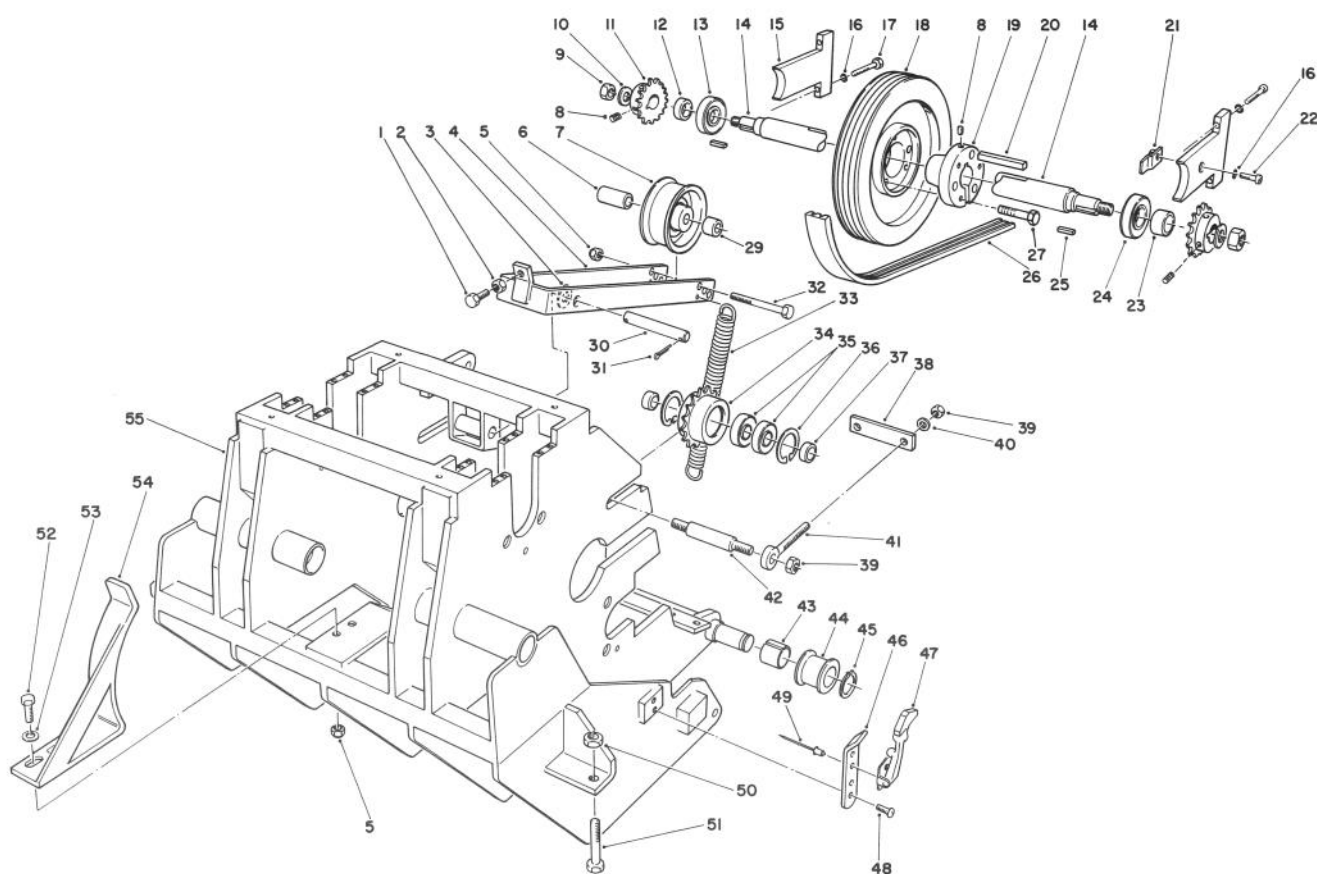
* Not Illustrated



CORING HEAD DRIVE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3211-5	Screw — Cap Hex Hd.	1
2	3220-3	Nut — Jam	1
3	3256-27	Washer — Plain	2
4	59-2590	Bracket — Idler	1
5	3296-59	Nut — Lock	3
6	59-2580	Spacer — Long	1
7	37-5760	Pulley — Idler	1
8	3245-9	Screw — Set	4
9	3296-50	Nut — Lock	2
10	3256-44	Washer — Plain	2
11	59-2680	Sprocket	2
12	59-2670	Spacer — Short	1
13	251-312	Bearing	1
14	59-2650	Shaft — Power	1
15		Cap — Bearing	2
16	3253-21	Washer — Lock	7
17	3274-50	Screw — Cap Socket Hd.	4
18	59-2130	Pulley — Drive	1
19	59-3790	Bushing (Incl. Ref. #8, 27 & 28)	1
20	59-4210	Key	1
21	59-2710	Clip — Retaining	15
22	3274-7	Screw — Cap Socket Hd.	3

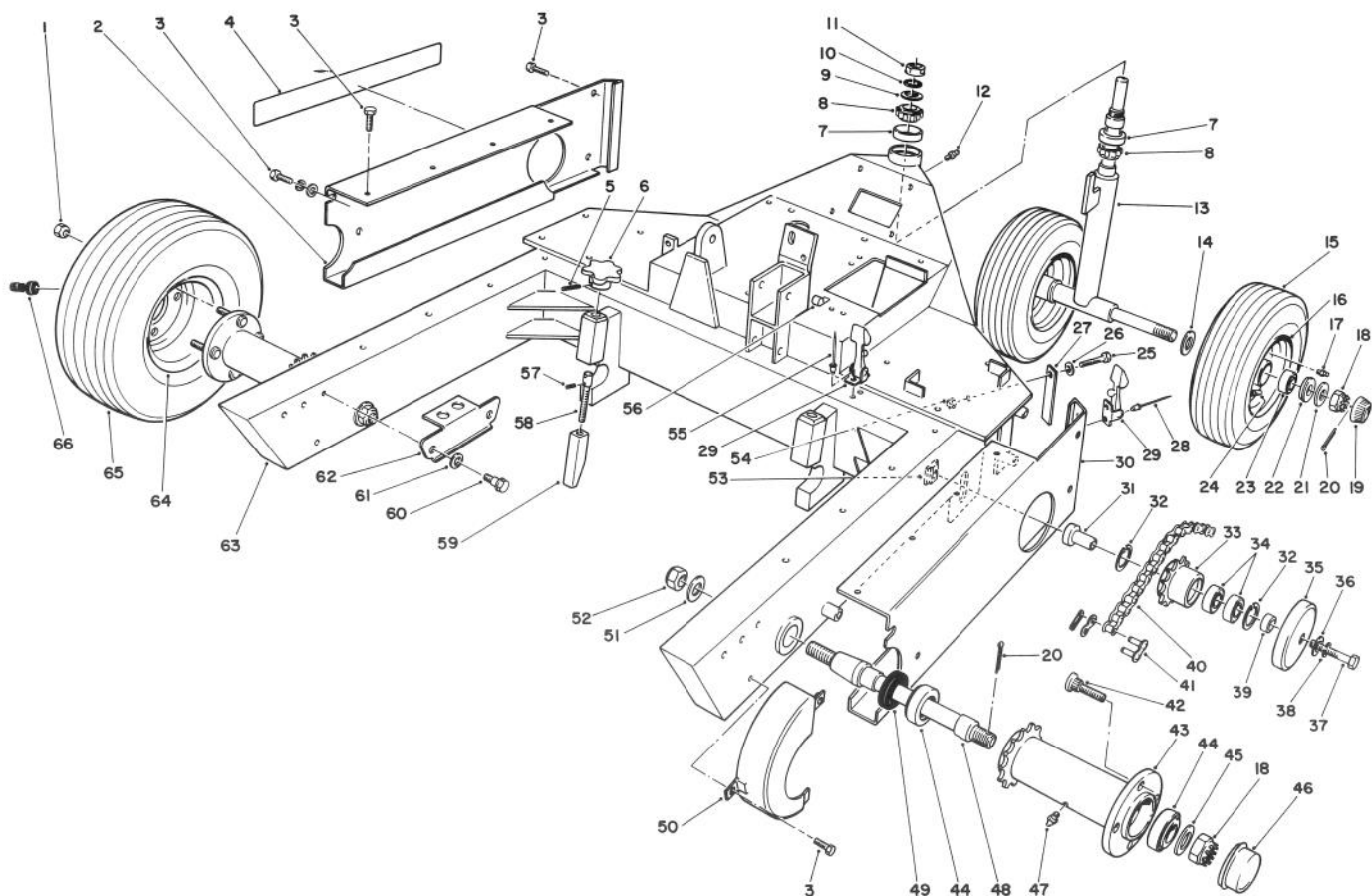
Ref. No.	Part No.	Description	No. Used
23	59-2660	Spacer — Long	1
24	251-313	Bearing	1
25	5-4916	Key	2
26	59-4180	Belt — Drive	1
27	322-7	Screw — Cap Hex Hd.	3
29	59-2570	Spacer — Short	1
30	59-2760	Rod — Pivot	1
31	3272-6	Pin — Cotter	2
32	323-42	Screw — Cap Hex Hd.	1
33	63-9350	Spring — Extension	2
34	59-2390	Sprocket	2
35	251-53	Bearing	4
36	32120-11	Ring — Retaining	4
37	59-2600	Bushing	4
38	59-2070	Bar — Keeper	2
39	3296-23	Nut — Lock	8
40	3256-26	Washer — Plain	4
41	59-2620	Bolt — Eye	2
42	59-2610	Shaft	2
43	59-2360	Bushing — Split	2
44	59-2370	Sleeve	2
45	32151-77	Ring — Retaining	2



CORING HEAD DRIVE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
46	59-9640	Plate — Handle	2	53	3256-3	Washer — Plain	2
47	59-9750	Latch Assembly	2	54	59-9660	Guide — Belt	1
48	32140-29	Screw — Round Hd.	4	55	59-1730	Coring Head Frame Assembly (Incl. Ref. #15)	1
49	3269-4	Rivet — Pop	4				
50	3218-5	Nut — Jam	2				
51	60-9870	Screw — Cap Hex Hd.	2	*		Coring Head Stand Model No. 09152 (Optional)	1
52	323-4	Screw — Cap Hex Hd.	2				

* Not Illustrated

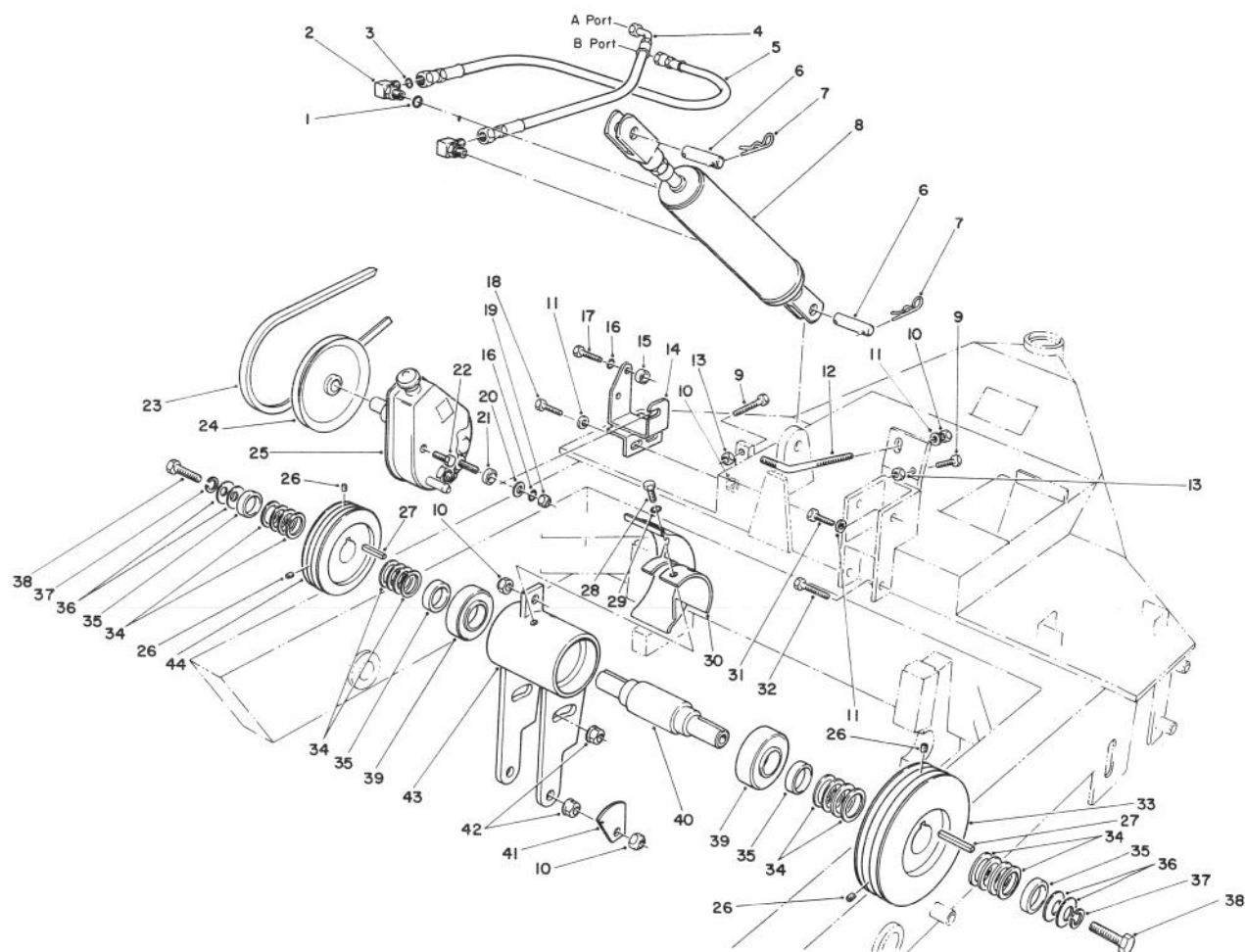


CHASSIS ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
45	7-4150	Washer	2
46	59-2380	Cap — Dust	2
47	302-10	Grease Fitting	2
48	59-2700	Shaft	2
49	253-148	Seal — Shaft	2
50	59-3280	Guard — Sprocket R.H.	1
*	59-3270	Guard — Sprocket L.H.	1
51	3256-44	Washer — Flat	2
52	3296-15	Nut — Lock	2
53	59-2430	Nut — Special	2
54	3296-42	Nut — Lock	2
55	3269-8	Rivet — Pop	6

Ref. No.	Part No.	Description	No. Used
56	2412-16	Clamp — Cable	1
57	32121-4	Pin — Roll	2
58	59-2740	Shaft — Threaded	2
59	59-2750	Block	2
60	5-2490	Bolt — Shoulder	2
61	3-3287	Spacer	2
62	59-9450	Bracket — Lockup	2
63	59-1740	Chassis Assembly	1
64	217-60	Rim	2
65	231-119	Tire	2
66	232-24	Stem — Valve	2
*	60-9930	Frame Gauge	1

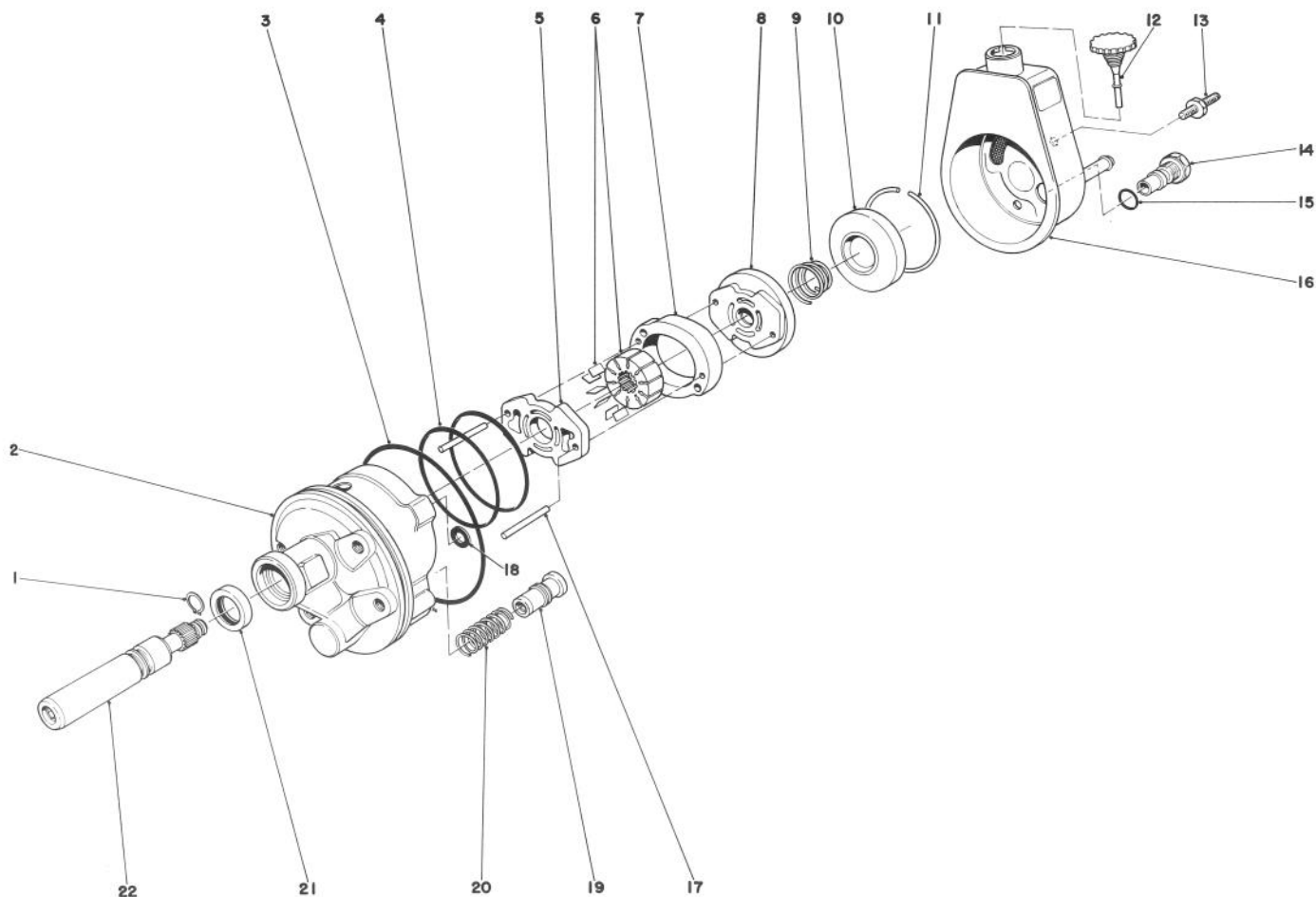
* Not Illustrated



HYDRAULIC SYSTEM ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	237-42	O-Ring	2
2	340-82	Fitting — 90° Elbow (Incl. Ref. #1 & 3)	2
3	237-21	O-Ring	2
4	59-4160	Hydraulic Hose Assembly	1
5	59-4170	Hydraulic Hose Assembly	1
6	59-3200	Pin — Lift Cylinder	2
7	3290-355	Pin — Hair	4
8	62-4660	Lift Cylinder Assembly	1
9	60-9880	Screw — Cap Hex Hd.	2
10	3296-39	Nut — Lock	5
11	3256-24	Washer — Flat	4
12	59-3780	Rod — Adjustment	1
13	3218-3	Nut — Jam	2
14	59-4280	Bracket — Pump Support	1
15	59-4320	Spacer	2
16	3253-6	Washer — Lock	3
17	48-9470	Screw — Cap Hex Hd. (Metric)	2
18	323-7	Screw — Cap Hex Hd.	2
19	21-0360	Nut — Hex. (Metric)	1
20	3256-25	Washer — Flat	1
21	59-4310	Spacer	1
22	60-9920	Screw — Cap Hex Hd.	1

Ref. No.	Part No.	Description	No. Used
23	59-4200	V-Belt	1
24	38-1830	Pulley — Pump	1
25	44-7800	Pump Assembly	1
26	3246-6	Screw — Set	4
27	5-7280	Key	2
28	323-4	Screw — Cap Hex Hd.	2
29	3253-21	Washer — Lock	2
30	59-9700	Guide — Belt	1
31	323-6	Screw — Cap Hex Hd.	3
32	323-8	Screw — Cap Hex Hd.	1
33	59-3810	Pulley	1
34	59-3830	Spacer — Thin	16
35	59-3820	Spacer — Thick	4
36	21-0640	Washer — Belleville	4
37	3253-7	Washer — Lock	2
38	3213-2	Screw — Cap Hex Hd.	2
39	251-312	Bearing — Ball	2
40	59-3770	Shaft — Transfer	1
41	59-9850	Retainer — Cover	1
42	32128-36	Nut — Flange Lock	4
43	59-3730	Housing — Transfer Shaft	1
44	59-3800	Pulley	1



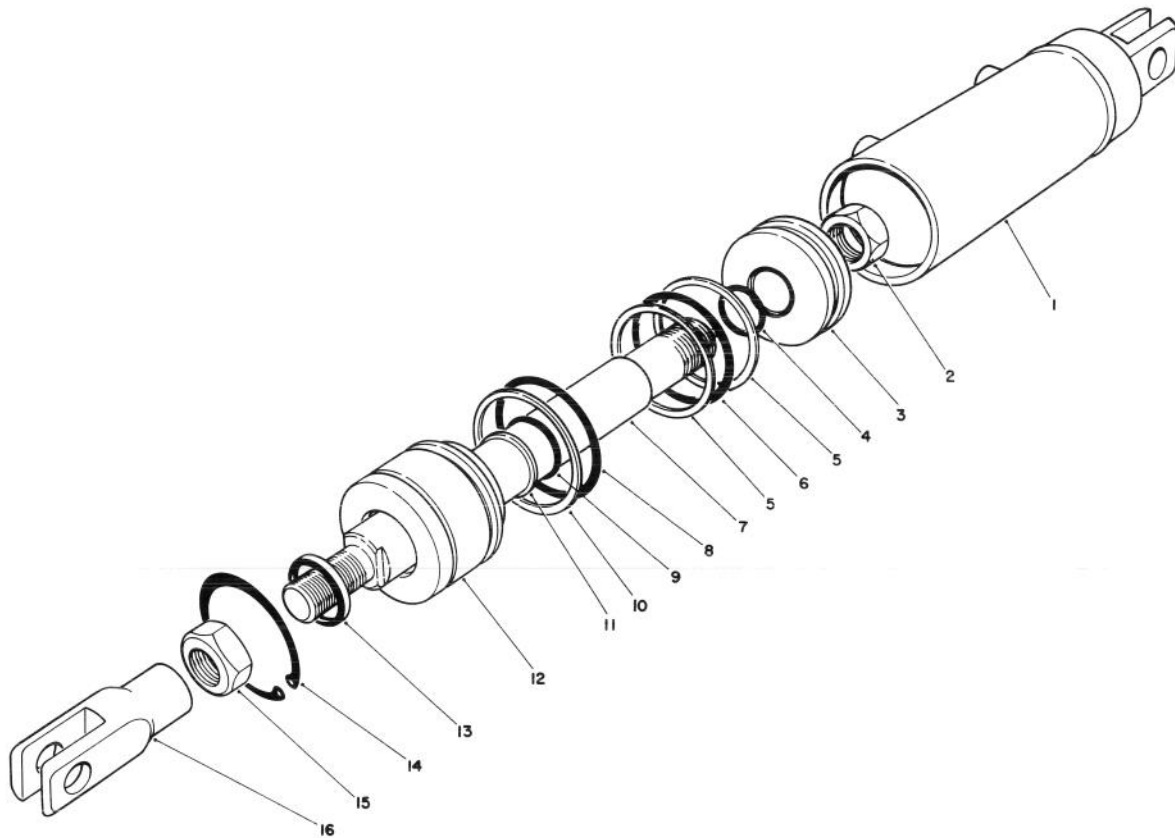
PUMP ASSEMBLY NO. 44-7800

Ref. No.	Part No.	Description	No. Used
1	44-7850	Ring — Shaft Retaining	1
2†		Housing — Hydraulic Pump (Incl. Ref. #21)	1
3	37-8360	Seal — O-Ring	1
4		Seal — O-Ring	2
5	44-7840	Thrust Plate	1
6	44-7810	Ring Service Kit Rotor Vane (Incl. Ref. #1 & 7)	1
7	37-8350	Pump Ring	1
8	44-7830	Pressure Plate	1
9	44-7820	Spring Pressure Plate	1
10	37-8380	End Plate	1
11	37-8440	Ring — Retaining	1
12	37-8420	Cap Assembly Reservoir	1
13	39-8700	Stud Pump Mounting	2

Ref. No.	Part No.	Description	No. Used
14	39-8680	Fitting Assy. (Incl. Ref. #15)	1
15	39-8710	Seal — O-Ring	1
16	37-8400	Reservoir Service Kit Hyd. Pump (Incl. Ref. #3 & 18)	1
17	37-8300	Pin Pump Ring Dowel	2
18		Seal	2
19	37-8410	Valve Assembly Control	1
20	37-8450	Spring Flow Control	1
21	37-8340	Seal — Drive Shaft	1
22	44-2680	Shaft Service Retaining Ring & Drive Kit (Incl. Ref. #1)	1
*	37-8460	Seal Service Kit (Incl. Ref. #3, 4, 15, 18 & 21)	1
*	44-7860	Retaining Ring Service Kit (Incl. Ref. #1)	1

* Not Illustrated

† Part only available by ordering 44-7800 Pump Assembly.



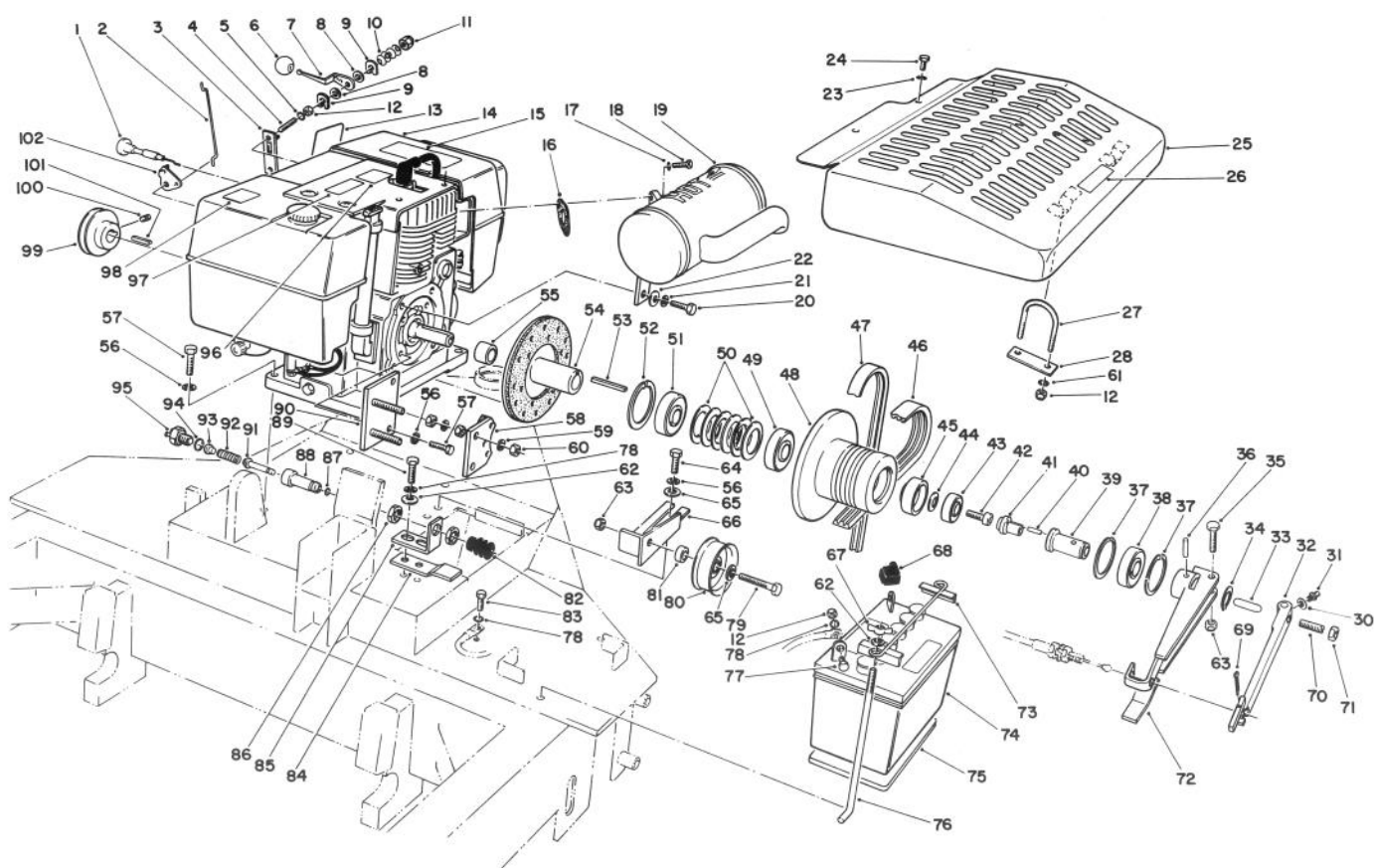
HYDRAULIC CYLINDER ASSEMBLY NO. 62-4660

Ref. No.	Part No.	Description	No. Used
1†		Barrel Assembly	1
2	60-9760	Nut — Lock	1
3	62-4690	Piston	1
4		O-Ring	1
5		Ring — Back-Up	2
6		O-Ring	1
7	62-4700	Rod	1
8		O-Ring	1
9		O-Ring	1

Ref. No.	Part No.	Description	No. Used
10		Ring — Back-Up	1
11		Ring — Back-Up	1
12	62-4680	Head	1
13		Dust Seal	1
14	32120-65	Ring — Retaining	1
15	3220-7	Nut — Jam	1
16	62-4670	Clevis — Rod	1
*	62-4720	Seal Repair Kit (Incl. Ref. #4-6, 8-11, 13 & 14)	1

* Not Illustrated

† Order Complete Assembly

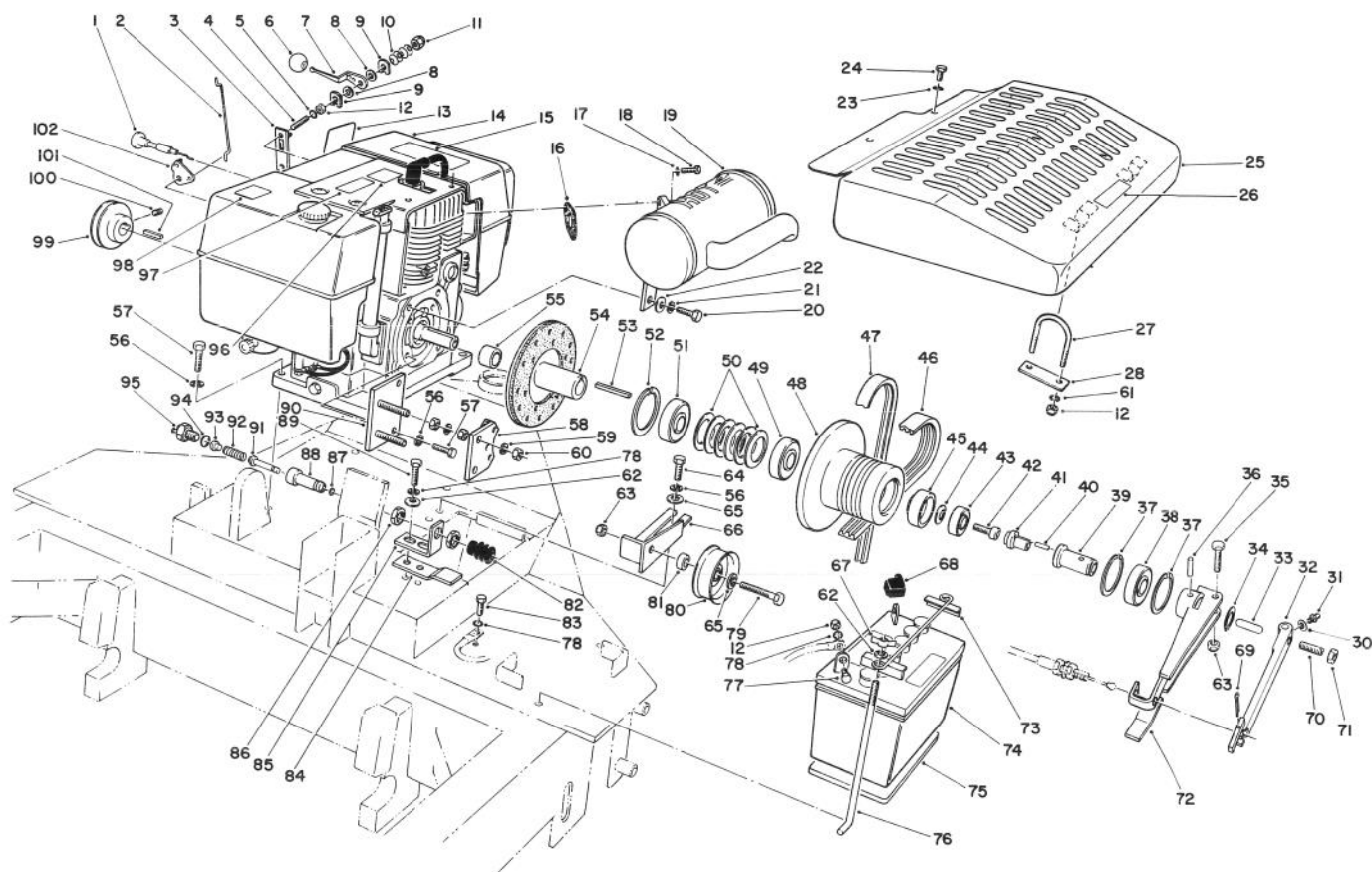


ENGINE & CLUTCH ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	59-4400	Control — Choke	1
2	59-4730	Wire — Linkage	1
3	59-4720	Bracket — Stop	1
4	60-9890	Stud — Throttle Linkage	1
5	3254-8	Washer — Lock	1
6	233-25	Knob	1
7	59-4700	Handle — Throttle	1
8	3290-388	Washer — Friction	2
9	59-4710	Washer — Stop	2
10	3290-436	Washer — Belleville	4
11	3296-42	Nut — Lock	1
12	3217-5	Nut — Hex	7
13	59-9530	Decal — Throttle	1
14	59-4130	Engine — 16 hp (Kohler Model No. M16S-711512)	1
15	59-4330	Decal — Shift	1
16†		Gasket — Exhaust	1
17	3253-4	Washer — Lock	2
18	322-3	Screw — Cap Hex Hd.	2
19	59-4080	Muffler	1
20	324-5	Screw — Cap Hex Hd.	1
21	3253-6	Washer — Lock	1
22	3256-25	Washer — Flat	1
23	3254-1	Washer — Lock	1
24	32144-64	Screw — Cap Hex Hd.	1
25	60-9950	Guard — Muffler	1

Ref. No.	Part No.	Description	No. Used
26	54-0910	Decal — Warning	1
27	60-9940	Bolt — U	2
28	60-9980	Bar	2
30	3256-42	Washer — Plain	1
31	302-2	Fitting — Grease	1
32	62-4790	Lever	1
33	59-2920	Shaft	1
34	32151-36	Ring — Retaining	1
35	323-32	Screw — Cap Hex Hd.	1
36	32121-7	Pin — Roll	1
37	32120-22	Ring — Retaining	2
38	251-308	Bearing — Ball	1
39	59-2910	Shaft	1
40	32121-73	Pin — Roll	1
41	59-2900	Plunger	1
42	3273-36	Screw — Socket Hd.	1
43	251-311	Bearing — Ball	1
44	3290-465	Washer — Belleville	1
45	59-2890	Retainer	1
46	59-4190	V-Belt — Transfer Shaft	1
47	59-9480	V-Belt — Transaxle	1
48	59-2110	Housing — Clutch	1
49	251-310	Bearing — Ball	1
50	59-2880	Washer — Spring	6
51	251-316	Bearing — Ball	1
52	32151-76	Ring — Retaining	1

† Note: See page 26 for part no.

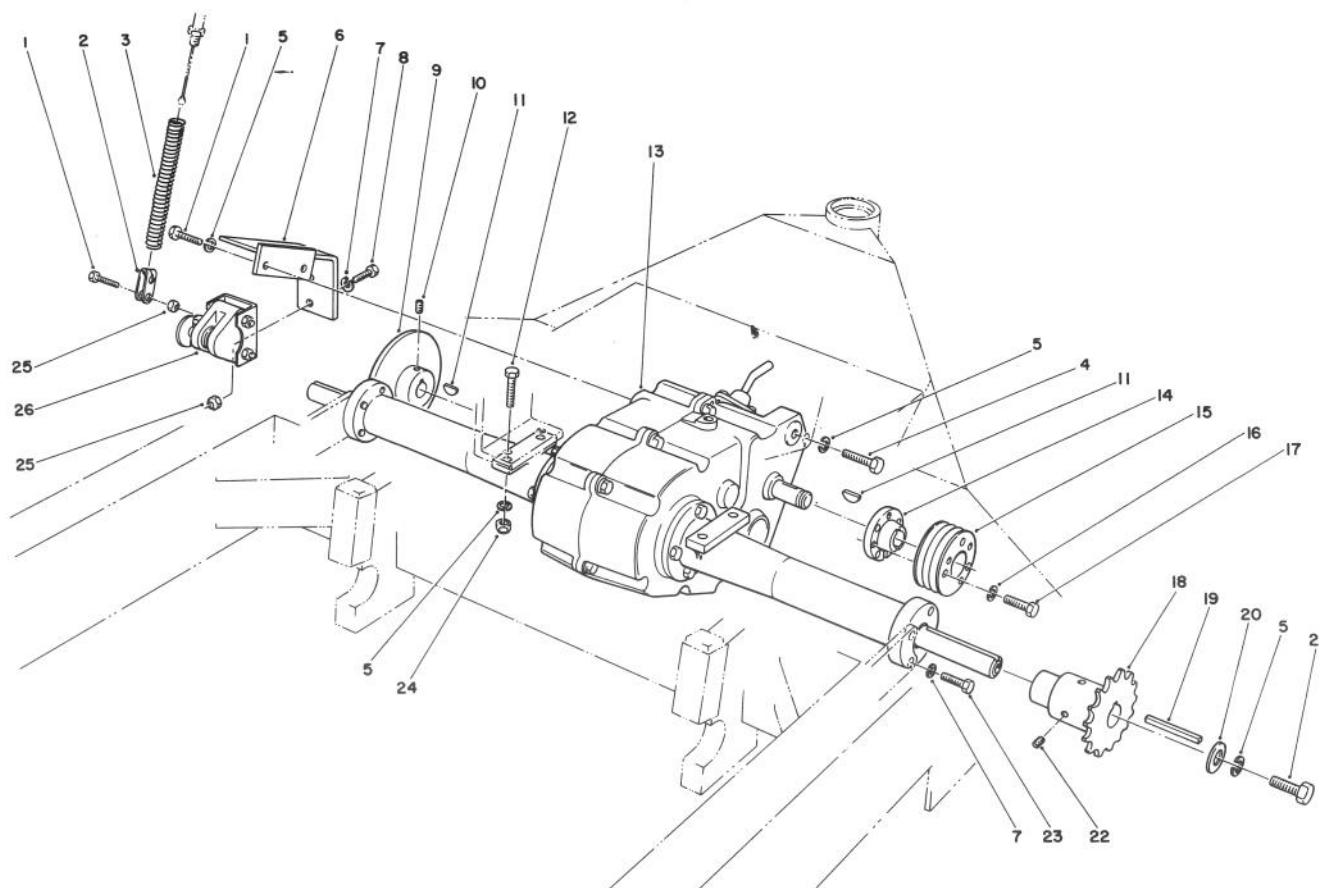


ENGINE & CLUTCH ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
53	13-6330	Key	1
54	59-2830	Clutch Face Assembly	1
55	59-2820	Spacer	1
56	3253-21	Washer — Lock	8
57	323-7	Screw — Cap Hex Hd.	6
58	59-3080	Pad — Clutch Brake	1
59	3253-7	Washer — Lock	4
60	3219-5	Nut — Hex	6
61	3253-3	Washer — Lock	4
62	3256-1	Washer — Flat	4
63	3296-39	Nut — Lock	2
64	323-6	Screw — Cap Hex Hd.	2
65	3256-24	Washer — Flat	3
66	59-2790	Bracket — Idler	1
67	32103-12	Nut — Wing	2
68	218-331	Boot — Battery Terminal	1
*	44-1070	Limit Switch Assembly (Incl. Ref. #82, 86 & 87-95)	1
69	3272-14	Pin — Cotter	1
70	59-2930	Rod — Threaded	1
71	3217-7	Nut — Hex	1
72	62-4650	Lever — Assembly	1
73	7-0534	Clamp — Battery	1
74	28-1400	Battery — 12V	1
75	59-9470	Pad — Battery	1
76	7-3328	Bolt — Battery	2

Ref. No.	Part No.	Description	No. Used
77	321-3	Screw — Cap Hex Hd.	2
78	3254-8	Washer — Lock	5
79	323-11	Screw — Cap Hex Hd.	1
80	49-6970	Pulley — Idler	1
81	5-0652	Spacer	1
82	43-8870	Boot — Switch	1
83	32104-17	Screw — Cap Hex Hd.	1
84	61-9080	Plate	1
85	59-3030	Angle	1
86	218-461	Nut — Jam	2
87	237-7	O-Ring	1
88	43-8620	Guide — Switch Pin	1
89	32144-22	Screw — Cap Hex Hd.	2
90	63-9370	Plate — Clutch Brake	1
91	43-8860	Plunger — Switch	1
92	43-8600	Spring — Compression	1
93	43-8610	Guide	1
94	237-30	O-Ring	1
95	38-0430	Switch	1
96	61-9110	Label — Break In	1
97	61-9100	Decal — Refueling	1
98	53-4420	Decal — Gas	1
99	61-9150	Pulley	1
100	3245-1	Screw — Set	2
101	13-2840	Key	1
102	59-4740	Bell Crank	1

* Not Illustrated

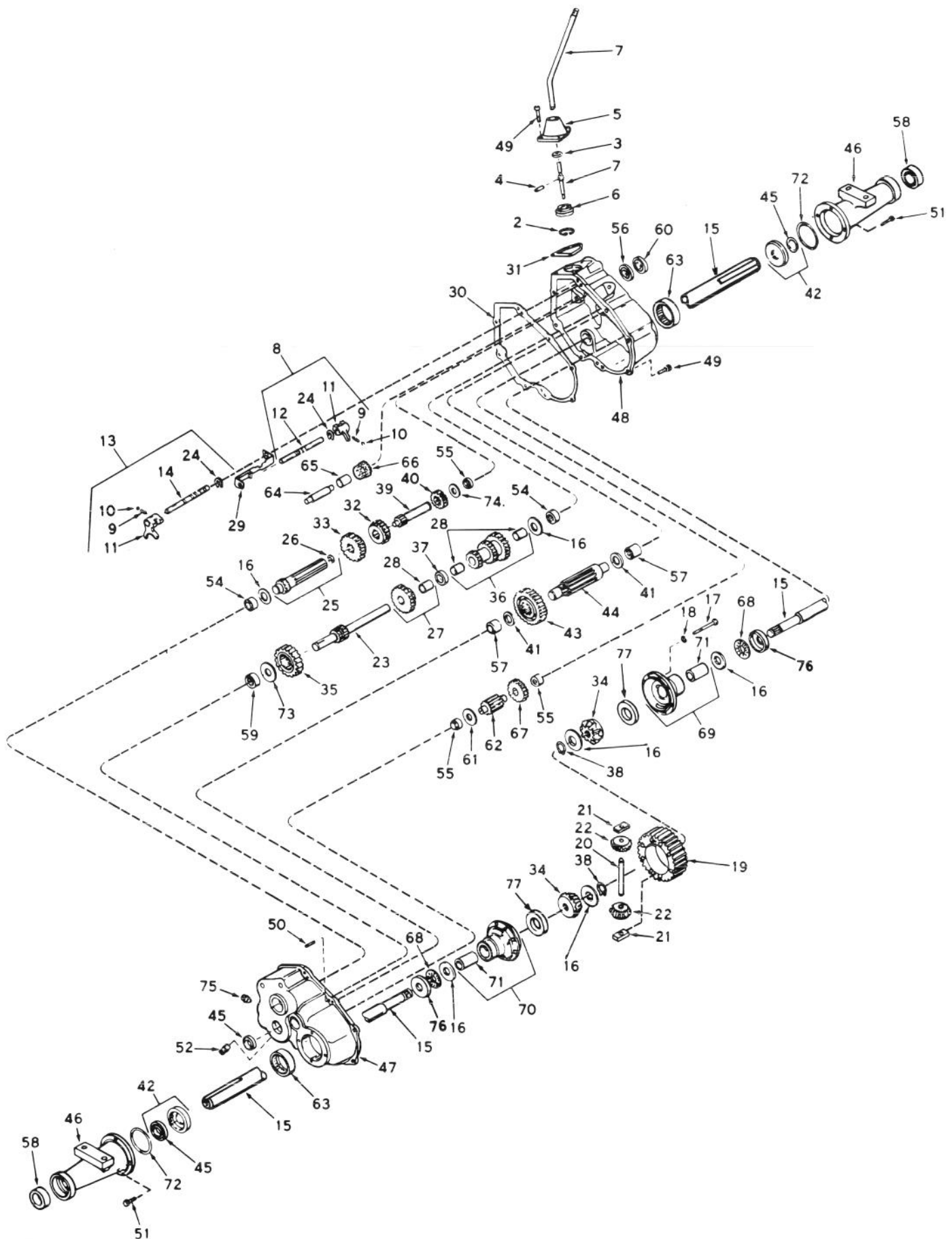


TRANSAXLE & BRAKE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	323-6	Screw — Cap Hex Hd.	4
2	282-25	Clevis	1
3	36-4170	Spring — Compression	1
5	3253-21	Washer — Lock	9
6	59-3170	Bracket — Brake	1
7	3253-4	Washer — Lock	6
8	322-3	Screw — Cap Hex Hd.	2
9	59-4100	Disc — Brake	1
10	3245-33	Screw — Set	2
11	3257-5	Key — Woodruff	2
12	323-9	Screw — Cap Hex Hd.	4
13	59-1760	Transaxle Assembly	1
14	59-2150	Bushing (Incl. Ref. #15 & 16)	1

Ref. No.	Part No.	Description	No. Used
15	59-2140	Pulley	1
16	3253-3	Washer — Lock	3
17	321-13	Screw — Cap Hex Hd.	3
18	59-3110	Sprocket Assembly	2
19	5-0786	Key	2
20	3-4685	Washer — Thrust	2
21	323-5	Screw — Cap Hex Hd.	2
22	3247-2	Screw — Set	4
23	322-5	Screw — Cap Hex Hd.	4
24	3217-7	Nut — Lock	4
25	3296-39	Nut — Lock	3
26	62-4750	Brake Caliper Assembly	1

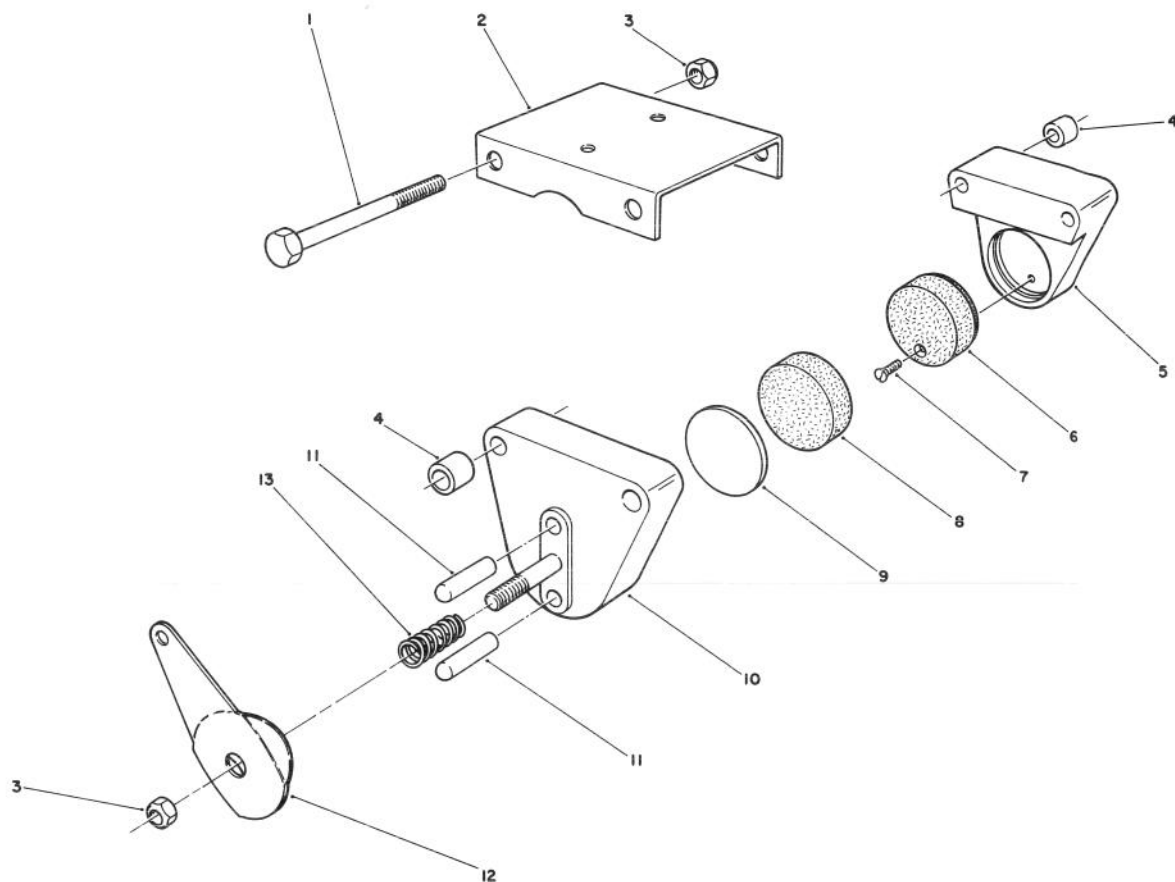
TRANSAXLE ASSEMBLY MODEL NO. 2360A



TRANSAXLE ASSEMBLY MODEL NO. 2360A

Ref. No.	Part No.	Description	No. Used
2	792016	Ring — Snap	1
3	792001	Ring — Quad	1
4	792049	Pin — Roll	1
5	784093	Housing — Shift Lever	1
6	784094	Keeper — Shift Lever	1
7	784287	Lever — Shift	1
8	784054	Rod Assy. — Shift (Incl. Ref. #9-12 & 24)	1
9	792003	Spring	2
10	792004	Ball — Steel	2
11	784004	Fork — Shifter	2
12	784055	Rod — Shifter (3rd & 4th)	1
13	784056	Rod Assy. — Shift (Incl. Ref. #9, 10, 11, 14 & 24)	1
14	784057	Rod — Shift (Low)	1
15	774694	Axle (17-7/8" Long)	2
16	780042	Washer — Thrust	6
17	792005	Screw — Hex Hd.	8
18	792006	Lockwasher	8
19	778033A	Gear — Ring	1
20	786019	Pin — Drive	1
21	786027	Block — Drive	2
22	778197	Pinion — Bevel	2
23	776029A	Shaft & Gear — Brake	1
24	792017	Ring — Snap	2
25	776189A	Shaft & Bearing Assy. — Pinion (Incl. Ref. #26)	1
26	780018	Bearing — Needle	1
27	778034	Gear Cluster Assembly (Incl. Ref. #28)	1
28	780053	Bushing	3
29	784074	Stop — Shifter	1
30	788023	Gasket — Case & Cover	1
31	788022	Gasket — Shift Lever Housing	1
32	778217	Gear — Shifting (3rd & 4th)	1
33	778020	Gear — Shifting (1st, 2nd & Rev.)	1
34	778231	Gear — Bevel	2
35	778037	Gear — Idler	1
36	778218	Gear Cluster Assembly (Incl. Ref. #28)	1
37	786024	Spacer	1
38	792018	Ring — Snap	2
39	776067	Shaft — Input	1

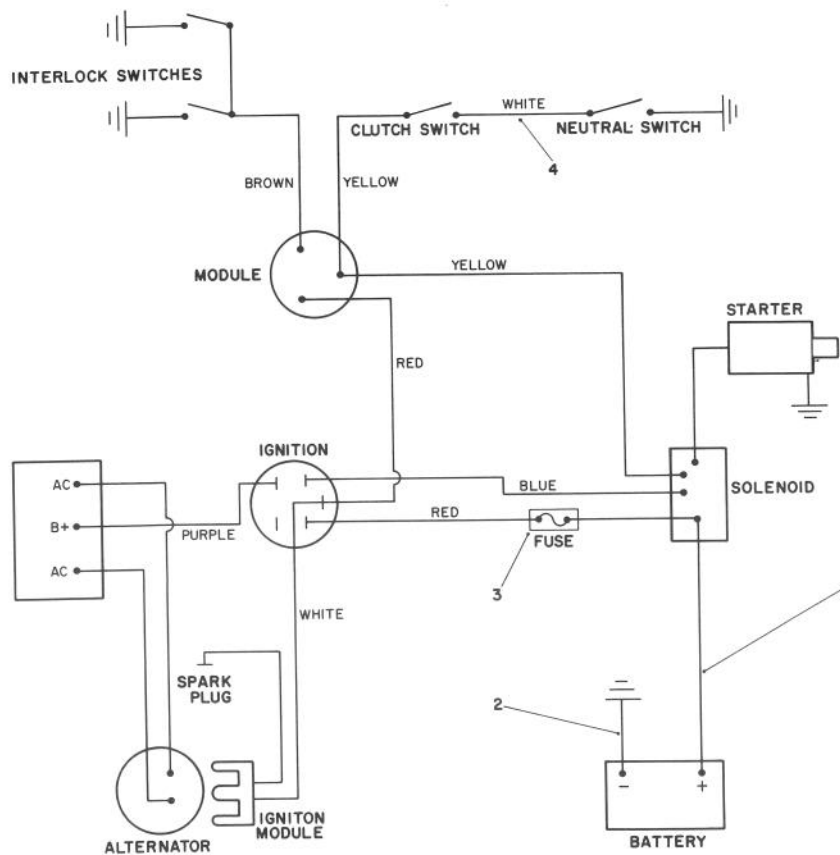
Ref. No.	Part No.	Description	No. Used
40	778024A	Spur Gear — Input Shaft	1
41	780052	Washer — Thrust	2
42	788021	Seal & Retainer Assy. — Oil (Incl. Ref. #45)	2
43	778036	Gear — Output	1
44	776028	Pinion — Output	1
45	788008	Seal — Oil	3
46	782058	Housing — Axle (10.906" long)	2
47	772016A	Cover Assy. — Transaxle (Incl. Ref. #54, 55, 57, 59 & 63)	1
48	770012	Case Assy. — Transaxle (Incl. Ref. #54, 55, 57 & 63)	1
49	792007	Screw — Flanged Hex Hd.	11
50	786026	Pin — Dowel	2
51	792037	Screw — Hex Hd.	8
52	792019	Plug — Magnetic Drain	1
54	780049	Bearing — Needle	2
55	780140	Bearing — Needle	3
56	780024	Bearing — Ball	1
57	780047	Bearing — Needle	2
58	780050	Bearing — Ball	2
59	780046	Bearing — Needle	1
60	788025	Seal — Oil	1
61	780001	Washer	1
62	776031	Shaft & Pinion	1
63	780048	Bearing — Needle	2
64	776030	Shaft — Reverse Idler	1
65	786025	Spacer — Reverse Idler	1
66	778051	Idler — Reverse	1
67	778038	Gear — Spur (22 Teeth)	1
68	780039	Bearing — Thrust	2
69	774072A	Carrier Assy. — Differential (Incl. Ref. #71)	1
70	774071A	Carrier Assy. — Differential (Incl. Ref. #71)	1
71	780041	Bushing	2
72	788024	"O" Ring	2
73	780007	Washer — Thrust	1
74	780051	Washer — Thrust	1
75	792122	Plug — Pipe (Hex countersunk headless)	1
76	780075	Race — Thrust	2
77	780107	Washer	2



BRAKE CALIPER ASSEMBLY NO. 62-4750

Ref. No.	Part No.	Description	No. Used
1	3210-13	Screw — Cap Hex Hd.	2
2	62-4770	Bracket — Floating Mount	1
3	3296-4	Nut — Lock	3
4	61-9060	Sleeve	4
5	61-8960	Housing — Dead	1
6	61-8970	Puck — Dead	1
7	61-9070	Screw — Flat Hd. Mach.	1

Ref. No.	Part No.	Description	No. Used
8	61-8980	Puck — Live	1
9	61-8990	Plate — Backing	1
10	61-9000	Housing — Live	1
11	62-6920	Pin — Actuating	2
12	62-4760	Lever — Actuating	1
13	62-6910	Spring — Compression	1

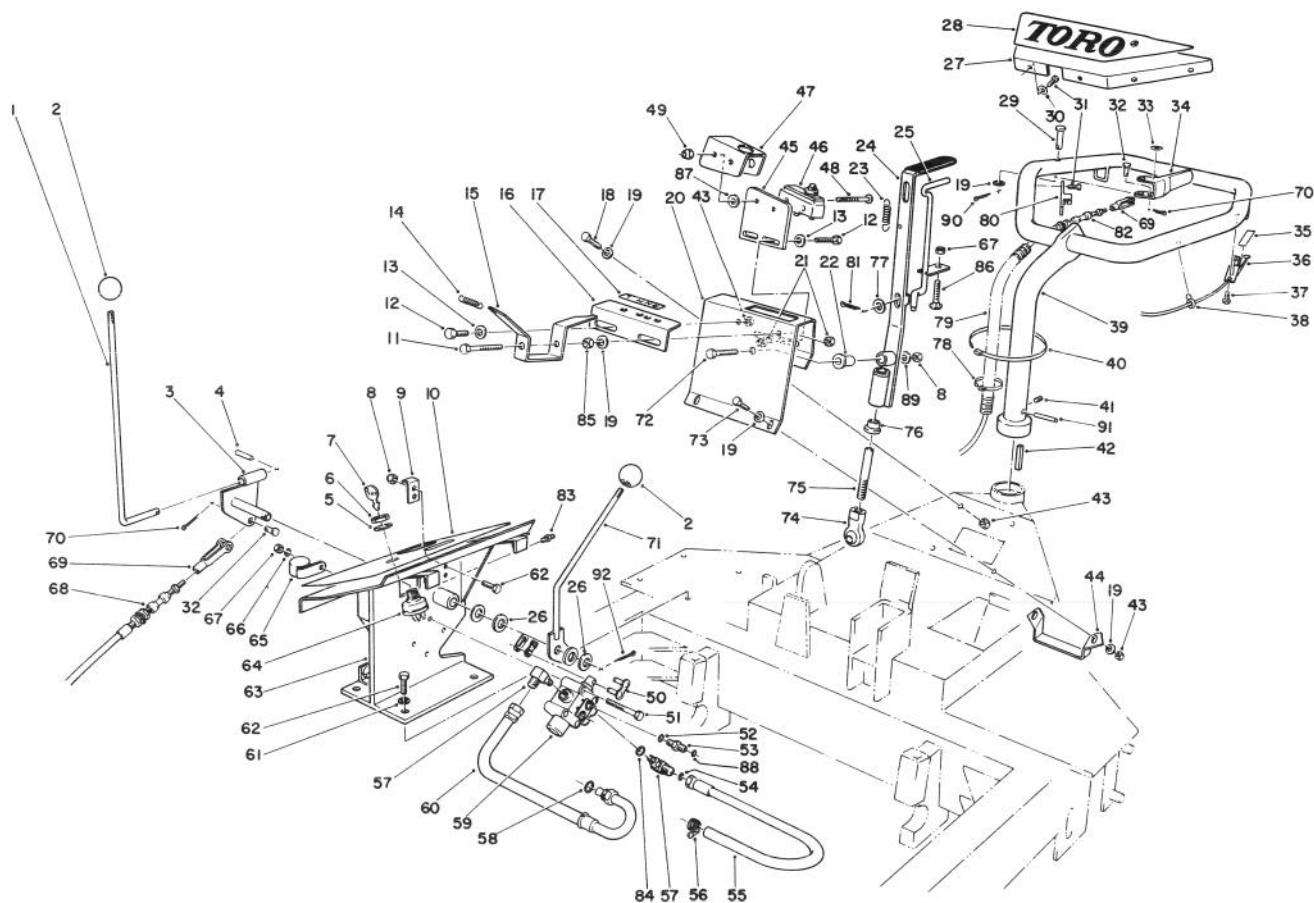


ELECTRICAL SCHEMATIC

Ref. No.	Part No.	Description	No. Used
1	59-4750	Wire Harness — Main	1
2	28-3860	Wire — Ground	1

Ref. No.	Part No.	Description	No. Used
3†		Fuse — 20 Amp	1
4	60-9910	Wire Harness — Safety Switches	1

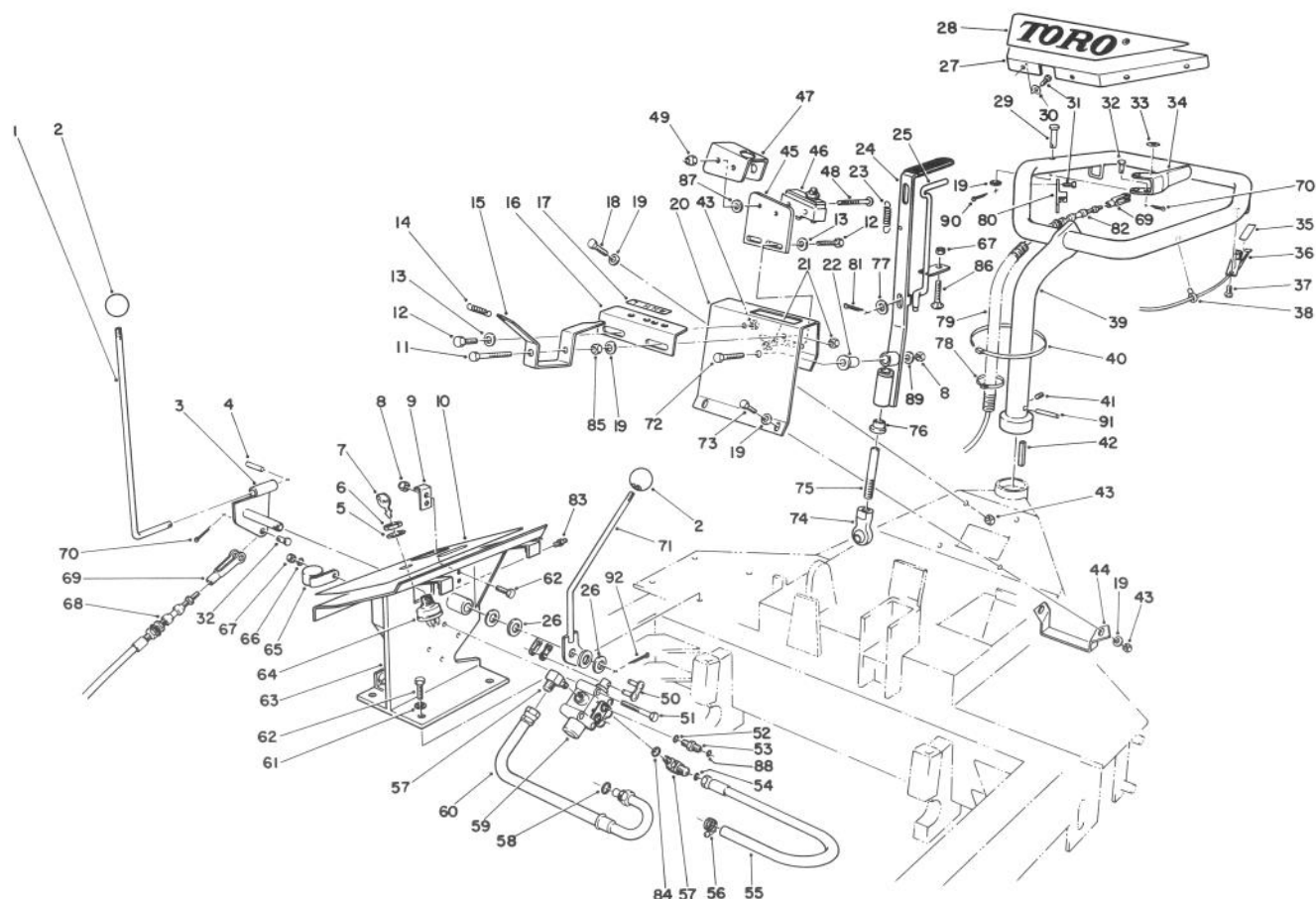
† Obtain Locally



OPERATOR CONTROLS ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	63-9450	Handle — Clutch	1
2	233-42	Knob	2
3	59-4640	Lever — Clutch	1
4	32121-18	Roll Pin	1
5	3254-5	Washer — Lock	1
6	218-461	Nut — Hex	1
7	218-412	Key (Set of 2)	1
8	3296-39	Nut — Lock	3
9	59-9800	Bracket — Clutch	1
10	59-9550	Decal — Control Panel	1
11	322-20	Screw — Cap Hex Hd.	1
12	321-4	Screw — Cap Hex Hd.	3
13	3256-1	Washer — Flat	3
14	59-3660	Spring — Extension	1
15	59-3650	Bracket — Throttle Control	1
16	59-3570	Retainer — Shift Lever	1
17	59-4430	Decal — Shift Pattern	1
18	322-4	Screw — Cap Hex Hd.	2
19	3256-23	Washer — Flat	8
20	59-3560	Plate — Shift	1
21	3296-42	Nut — Lock	3
22	59-3620	Spacer	1
23	59-9680	Spring — Extension	1
24	60-9900	Shift Lever Assy. (Incl. Ref. #76)	1

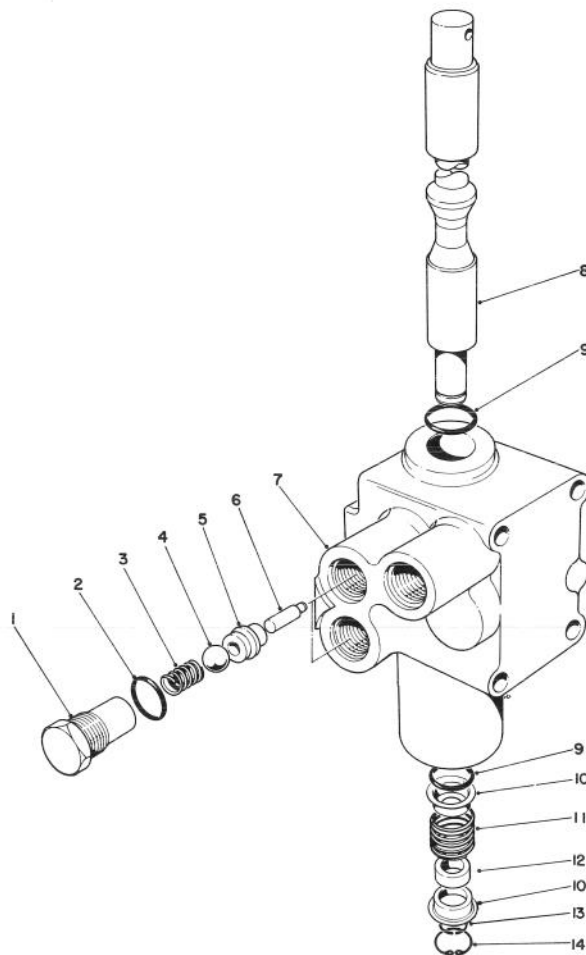
Ref. No.	Part No.	Description	No. Used
25	60-9800	Rod — Lockup	1
26	3256-6	Washer — Flat	4
27	59-4530	Panel — Handle	1
28	59-4420	Decal — Toro	1
29	283-11	Pin — Clevis	1
30	3256-14	Washer — Flat	4
31	32144-64	Screw — Cap Hex Hd.	6
32	283-29	Pin — Clevis	2
33	59-9860	Decal — Brake	1
34	59-9560	Handle — Brake	1
35	59-9870	Decal — Interlock	2
36	40-9690	Interlock Switch Assembly (Incl. Ref. #38)	2
37	32104-17	Screw — Cap Hex Hd.	2
38	17-9120	Mount — Wire	6
39	59-4490	Handle Assembly	1
40	3290-379	Tie — Cable	3
41	3247-2	Screw — Set	1
42	3-3267	Key	1
43	3296-29	Nut — Lock	5
44	59-3640	Bracket — Transaxle	1
45	60-9820	Plate — Switch	1
46	29-6161	Switch — Neutral	1
47	60-9830	Cover — Switch	1



OPERATOR CONTROLS ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
48	32105-17	Screw — Machine Pan Hd.	2
49	3296-9	Nut — Lock	2
50	2710-16	Link — Connecting	1
51	321-23	Screw — Cap Hex Hd.	4
52	237-78	O-Ring	2
53	340-92	Fitting — Straight (Incl. Ref. #52 & 88)	2
54	237-22	O-Ring	2
55	59-4150	Hose — Return	1
56	2412-36	Clamp — Hose	1
57	340-77	Fitting — 90° Elbow (Incl. Ref. #84 & 54)	2
58	39-7310	O-Ring	1
59	43-1950	Valve — Hydraulic Control	1
60	59-4140	Hose — Pressure	1
61	3253-21	Washer — Lock	4
62	323-6	Screw — Cap Hex Hd.	6
63	59-4540	Panel — Control	1
64	23-0660	Switch — Ignition (Incl. Ref. #6-8)	1
65	59-9810	Module — Interlock	1
66	3253-3	Washer — Lock	4
67	3217-5	Nut — Hex	5
68	59-4411	Cable — Clutch	1

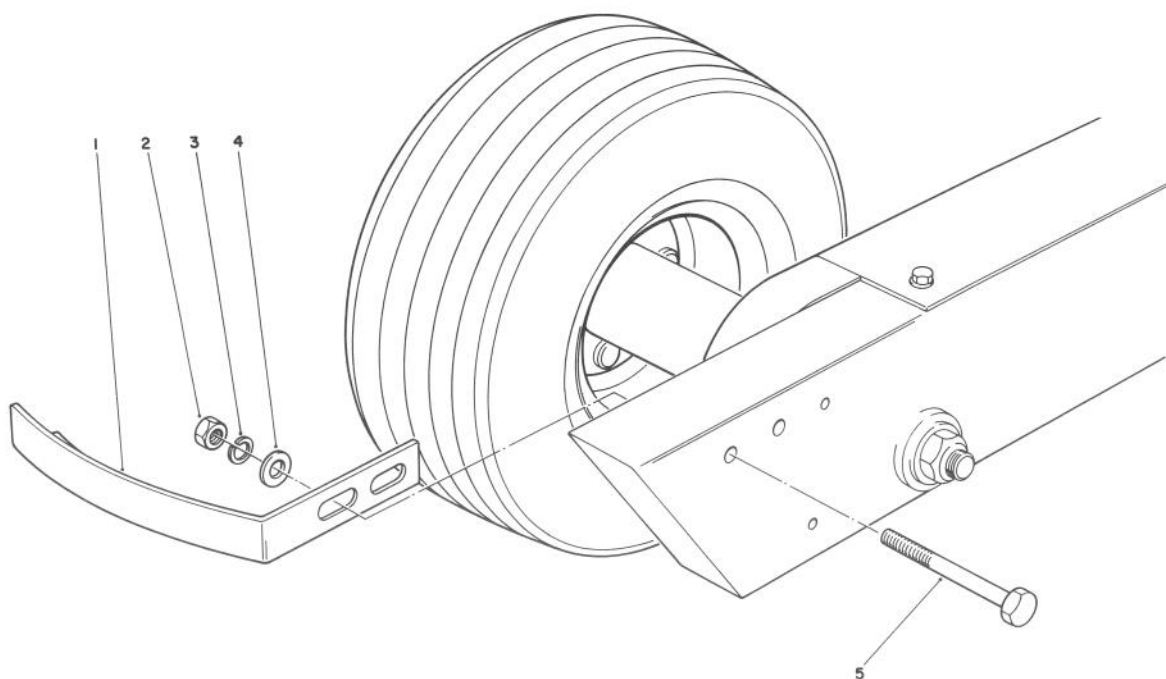
Ref. No.	Part No.	Description	No. Used
69	282-26	Clevis — Cable	2
70	3272-2	Pin — Cotter	2
71	59-4610	Handle — Lift	1
72	323-45	Screw — Cap Hex Hd.	1
73	322-6	Screw — Cap Hex Hd.	2
74	251-305	End — Rod	1
75	59-3630	Rod	1
76	256-284	Bushing — Flanged	2
77	3256-46	Washer — Flat	1
78	3290-381	Tie — Cable	4
79	24-7923	Conduit — Convuluted	1
80	59-9730	Bracket — Brake Cable	1
81	3272-6	Pin — Cotter	1
82	59-4410	Cable — Brake	1
83	302-2	Fitting — Grease	1
84	237-42	O-Ring	2
85	3217-6	Nut — Hex	1
86	3229-4	Bolt — Carriage	1
87	3256-53	Washer — Flat	2
88	237-21	O-Ring	2
89	3256-24	Washer	1
90	3272-10	Pin — Cotter	1
91	32121-49	Roll Pin	1
92	3272-4	Pin — Cotter	1



CONTROL VALVE NO. 43-1950

Ref. No.	Part No.	Description	No. Used
1	22-8330	Plug	2
2	237-42	O-Ring	2
3	22-8340	Spring	2
4	22-8350	Ball	2
5	22-8370	Seat-Check Valve	2
6	22-8360	Pin Cam	2
7		Body	1

Ref. No.	Part No.	Description	No. Used
8	22-8420	Spool	1
9	22-8500	O-Ring	2
10	22-8380	Retainer Spring	2
11	22-8410	Spring	1
12	23-3030	Spacer	1
13	22-8480	Snap Ring Spool	1
14	22-8490	Snap Ring	1

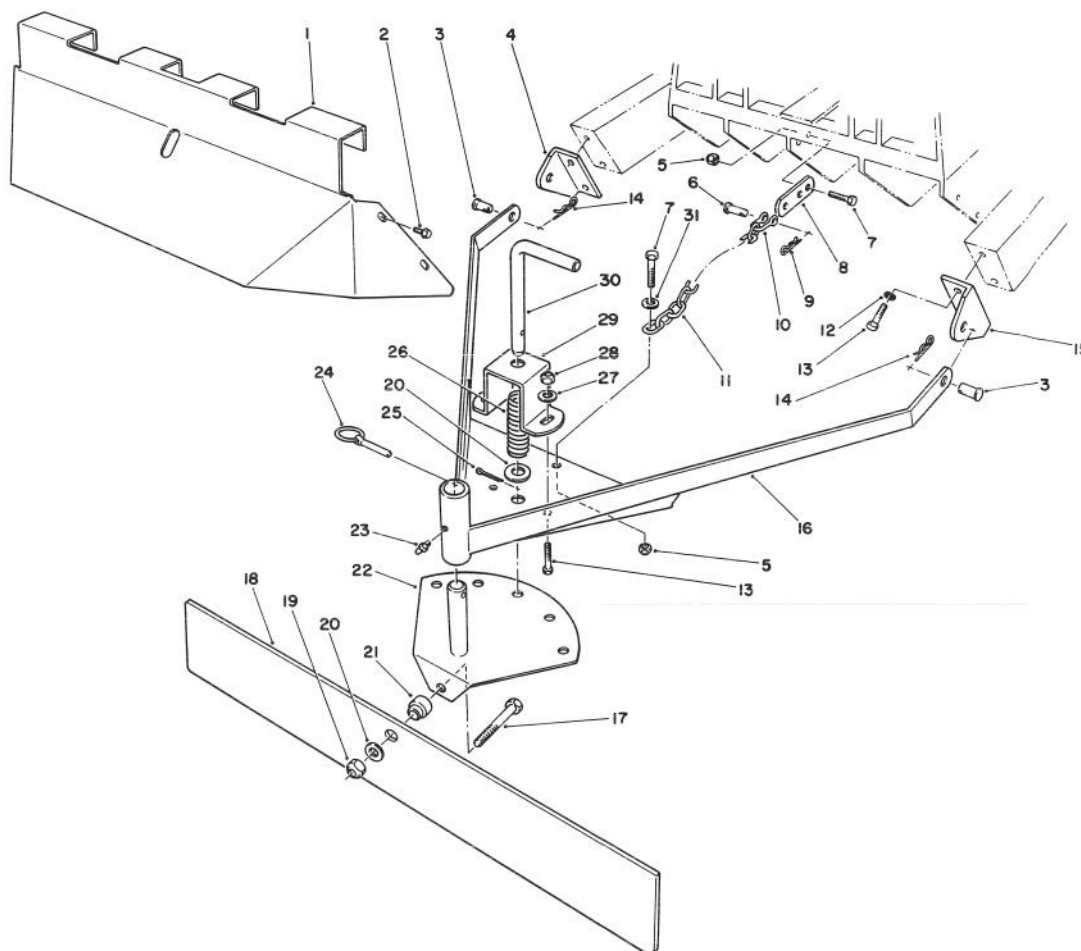


TIRE SCRAPER KIT MODEL NO. 09151 (Optional)

Ref. No.	Part No.	Description	No. Used
1	59-4270	Tire Scraper — L.H.	1
*	59-4260	Tire Scraper — R.H.	1
2	3217-7	Nut — Hex	4

Ref. No.	Part No.	Description	No. Used
3	3253-21	Washer — Lock	4
4	3256-3	Washer — Flat	4
5	323-13	Screw — Cap Hex Hd.	4

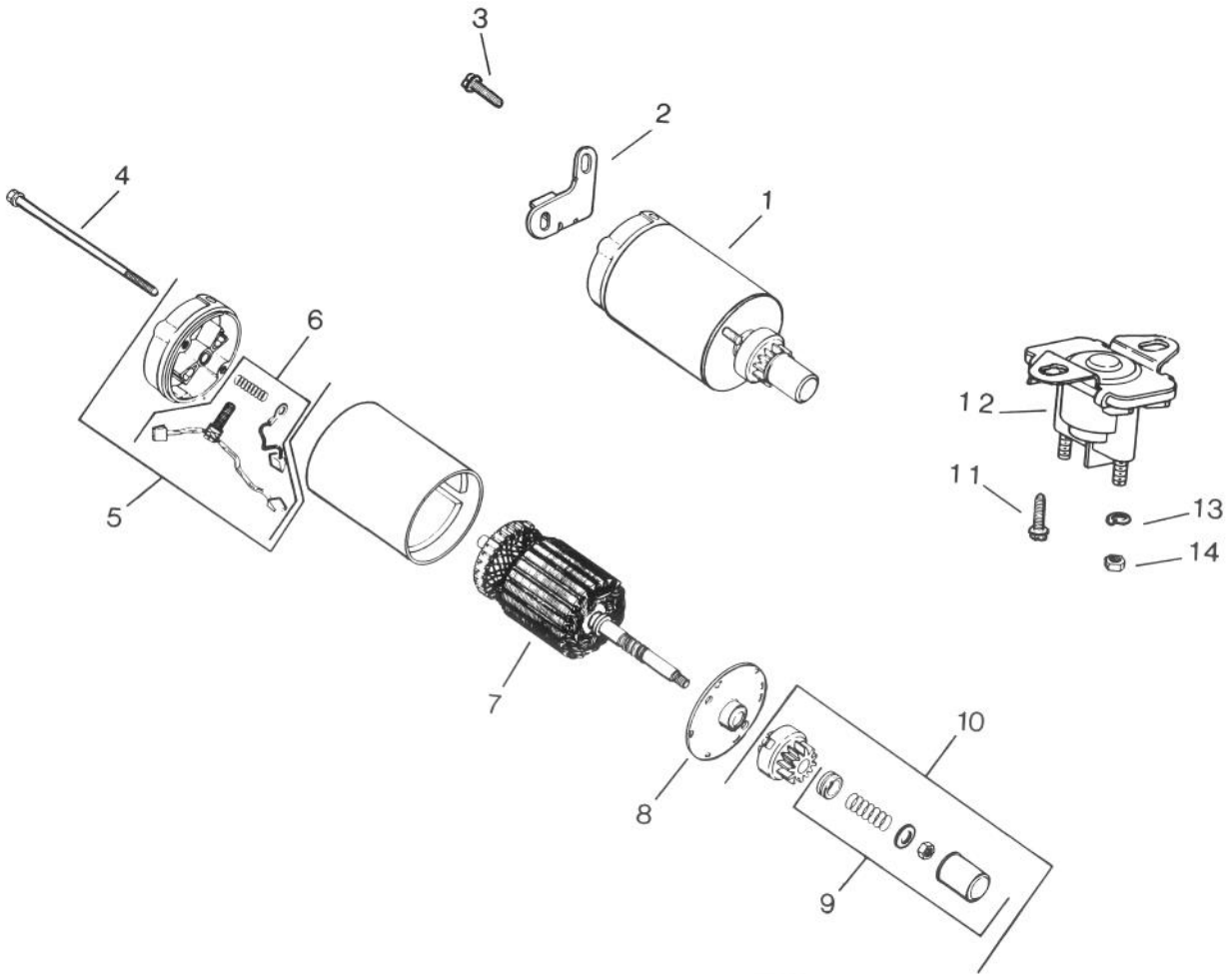
* Not Illustrated



WINDROWER KIT MODEL 09150 (Optional)

Ref. No.	Part No.	Description	No. Used
1	60-9840	Deflector — Core	1
2	32144-4	Screw — Self Tap Hex Hd.	4
3	283-60	Pin — Clevis	2
4	59-4850	Plate — Hook-Up	1
5	3296-29	Nut — Lock	3
6	283-10	Pin — Clevis	1
7	322-5	Screw — Cap Hex Hd.	3
8	60-9240	Support	1
9	3290-250	Pin — Hair	1
10	5-2942	Shackle	1
11	2820-3	Chain	1
12	3253-5	Washer — Lock	4
13	323-6	Screw — Cap Hex Hd.	6
14	3290-355	Pin — Hair	2
15	59-4840	Plate — Hook-Up	1
16	59-4760	Frame Assembly	1

Ref. No.	Part No.	Description	No. Used
17	325-8	Screw — Cap Hex Hd.	1
18	59-9430	Blade — Windrower	1
19	3296-23	Nut — Lock	1
20	3256-26	Washer — Flat	2
21	59-4860	Spacer	1
22	59-4810	Plate — Pivot	1
23	302-2	Fitting — Grease	1
24	3290-243	Pin — Klik	1
25	3272-11	Pin — Cotter	1
26	46-0740	Spring — Compression	1
27	3256-24	Washer — Flat	2
28	3296-26	Nut — Lock	2
29	59-9410	Bracket — Lock-Up	1
30	59-9420	Pin — Lock-Up	1
31	3256-23	Washer — Flat	1



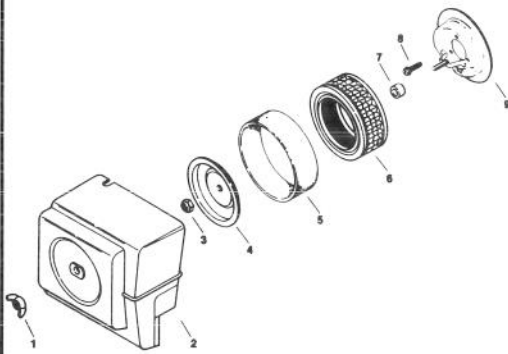
ELECTRIC STARTER ENGINE KOHLER MODEL NO. M16S SPEC NO. 711512

Ref. No.	Part No.	Description	No. Used
1	41 098 04	Starter Assembly (Incl. Ref. #5-11)	1
2	45 126 17	Brace — Tail	1
3	X-67-62	Screw — Hex Wash. Hd.	2
4	41 086 19	Bolt — Thru	2
5	41 227 04	Cap — Commutator Assembly	1
6	52 755 15	Kit — Brush	1
7	45 170 02	Armature	1
8	41 227 03	Cap — Drive End	1

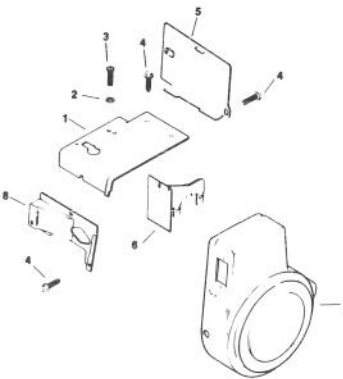
Ref. No.	Part No.	Description	No. Used
9	47 755 07	Kit — Drive	1
10	47 755 13	Kit — Drive Parts	1
11	X-67-83	Screw — Hex Wash. Hd.	2
12	45 435 07	Solenoid	1
13	X-20-1	Washer — Lock	2
14	X-81-1	Nut — Hex	2
	25 450 03	Tag — Caution	1
	52 518 03	Lead — Black, Starter to Solenoid	1

ENGINE KOHLER MODEL NO. M16S SPEC NO. 711512 (Continued)

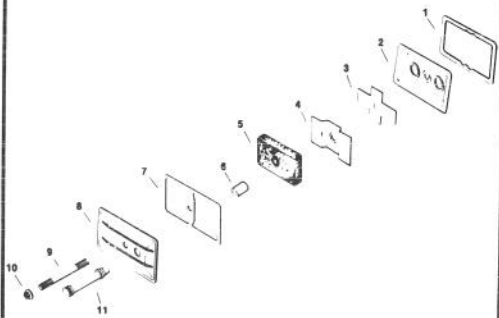
Group no. 1



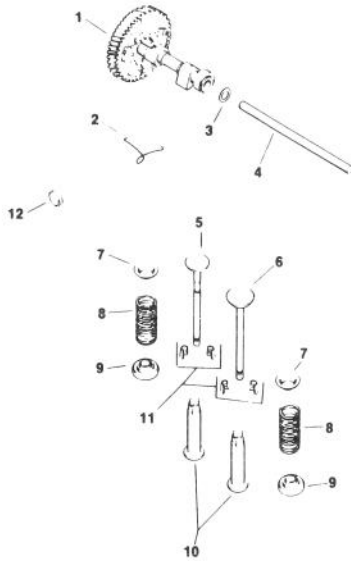
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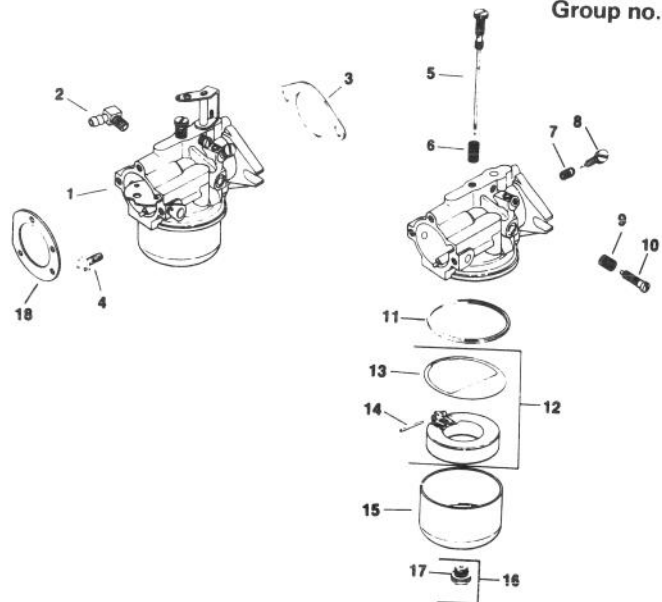
Group no. 3



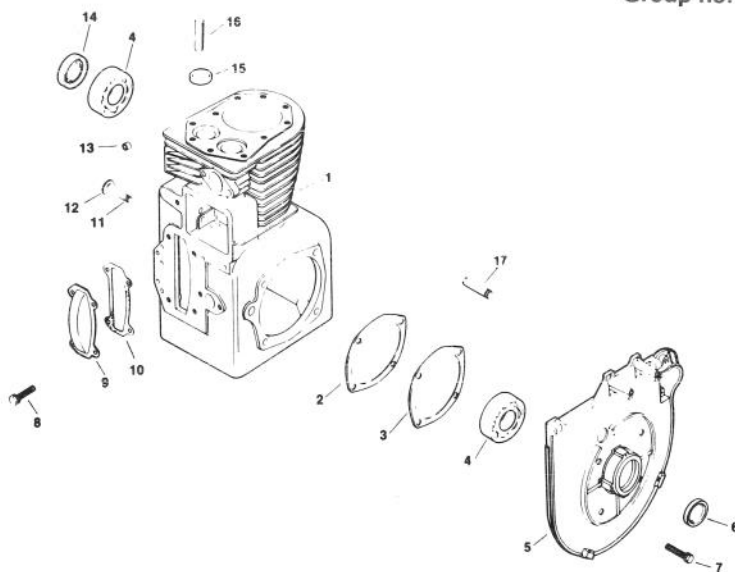
Group no. 4



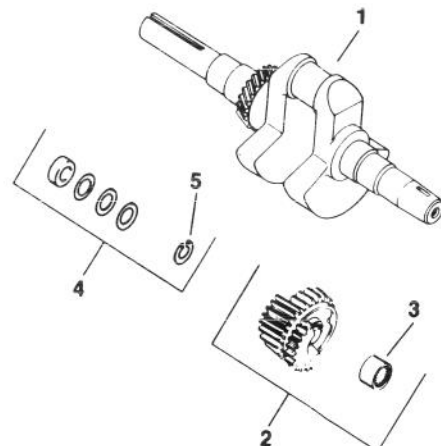
Group no. 5



Group no. 7



Group no. 8



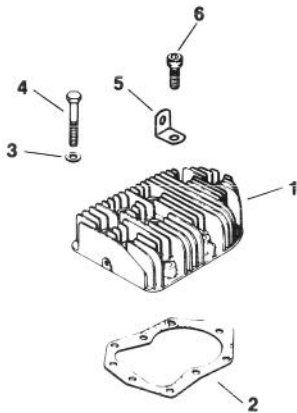
ENGINE KOHLER MODEL NO. M16S SPEC NO. 711512 (Continued)

Ref. No.	Part No.	Description	No. Used
Air Intake — Group 1			
1	X-276-7	Wing Nut	1
2	47 096 05	Cover — Air Cleaner	1
3	41 100 04	Nut — Jam	1
4	52 082 04	Cover — Inner	1
5	45 083 01	Precleaner — Element	1
6	45 083 02	Element	1
7	231032	Seal	1
8	X-67-65	Screw — Hex. Washer Hd.	3
9	47 094 20	Base — Air Cleaner	1
	41 113 02	Decal — Air Cleaner	1
Baffles & Shroud — Group 2			
1	45 063 07	Baffle — Head	1
2	X-25-53	Washer — Plain	1
3	47 086 08	Screw — Pozidriv T.H.	1
4	52 086 11	Screw — Hex. Washer Hd.	6
5	47 063 10	Baffle — Cylinder	1
6	47 063 07	Baffle — Inner	1
7	47 027 42	Blower Housing	1
8	47 063 06	Baffle — Side Air	1
Breather & Vent — Group 3			
1	235048	Gasket — Breather Plate	1
2	235631	Plate — Breather	1
3	235047	Reed	1
4	270146	Baffle — Breather	1
5	47 050 01	Filter — Breather	1
6	231032	Seal — Breather	1
7	275144	Gasket — Valve Cover	1
8	47 096 01	Cover — Valve	1
9	275220	Stud	1
10	X-799-1	Palnut	1
11	47 326 03	Hose — Breather 3-11/32" Lg.	1
Camshaft & Valves — Group 4			
1	47 010 11	Camshaft Assembly	1
2	47 089 01	Spring — Actuating	1
3	275066	Spacer .005	A/R
3	275067	Spacer .010	A/R
4	47 380 09	Pin — Camshaft	1
5	237672	Valve — Exhaust	1
6	235582	Valve — Intake	1
7	235011	Retainer — Upper Spring	2
8	235168	Spring — Valve	2
9	230020	Rotator	2
10	D-235327	Tappet	2
11	41 755 10	Kit — Retainer	1
12	X-702-3	Plug — Cup	1

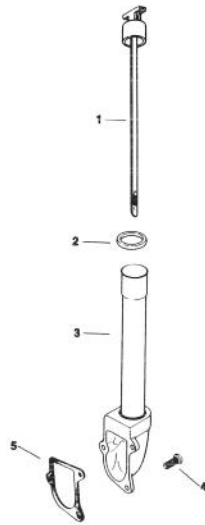
Ref. No.	Part No.	Description	No. Used
Carburetor — Group 5			
1	45 053 70	Carburetor Assembly (Incl. Ref. #5-17)	1
2	25 155 02	Connector — 90° (For 1/4" I.D. Rubber Hose)	1
3	47 049 01	Gasket — Carburetor	
4	X-770-1	Screw — Slted. Hd.	2
5	45 103 01	Needle — Main Fuel Adj.	1
6	200383	Spring — Main Fuel	1
7	200380	Spring — Idle Fuel	1
8	275231	Needle — Idle Fuel Adj.	1
9	232555	Spring — Idle Speed	1
10	232556	Screw — Idle Speed Adj.	1
11	200375	Gasket — Bowl	1
12	25 757 03	Kit — Float	
13	25 041 02	Gasket — Bowl Baffle	1
14	200376	Pin — Float Hinge	1
15	235448	Bowl — Fuel	1
16	47 100 06	Screw — Bowl Retainer	
17	200372	Gasket — Bowl Retainer Screw	1
18	47 041 05	Gasket — Air Cleaner	1
	25 757 02	Kit — Carburetor Repair	1
	25 757 05	Kit — Throttle & Choke Repair	1
Crankcase — Group 7			
1	45 782 14	Block — Cylinder (Incl. Ref. #13, 15 & 16) (USE: Miniblock)	1 A/R
2	47 422 05	Gasket — Shim	
3	47 041 09	Gasket — Bearing Plate	1
4	235376	Bearing — Ball	2
5	47 146 07	Plate — Bearing	1
6	47 032 06	Seal — Front Oil	1
7	X-159-2	Screw — H.C.	4
8	X-132-5	Screw — H.C.	4
9	235026	Cover — Camshaft	1
10	235025	Gasket — Camshaft Cover	1
11	235125-S	Shaft — Governor Gear	1
12	X-230-11	Plug — Expansion	1
13	234866	Bearing — Governor Cross Shaft	1
14	47 032 07	Seal — Rear Oil	1
15	230265	Insert — Intake Valve	1
16	235007-S	Guide — Valve	2
17	236559	Shaft — Balance Gear	2
Crankshaft — Group 8			
1	45 142 02	Kit — Crankshaft	1
2	45 043 03	Gear Assembly	2
3	47 030 01	Bearing — Needle	2
4	47 755 01	Kit — Spacer	1
5	X-269-34	Retainer	2

ENGINE KOHLER MODEL NO. M16S SPEC NO. 711512 (Continued)

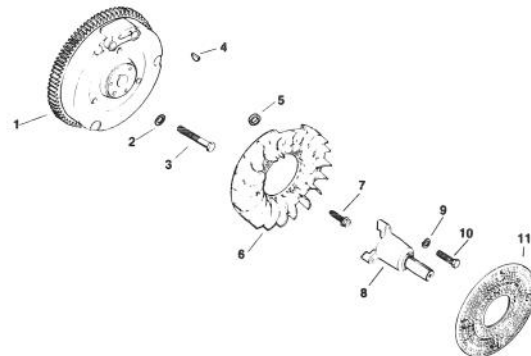
Group no. 9



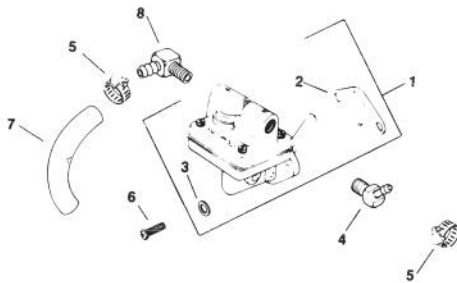
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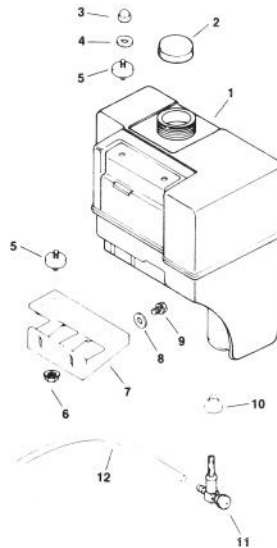
Group no. 13



Group no. 14



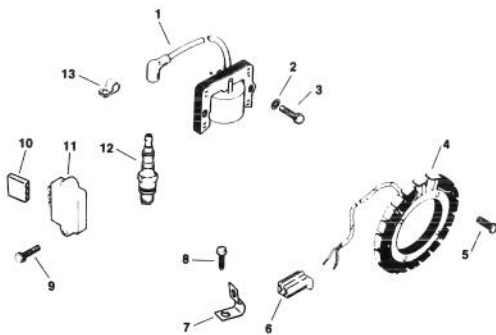
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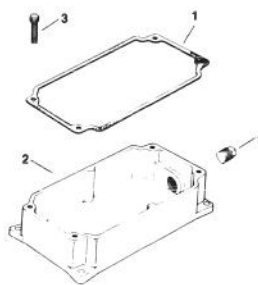
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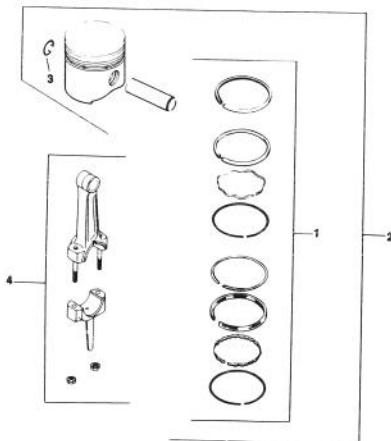
Group no. 18



Group no. 21



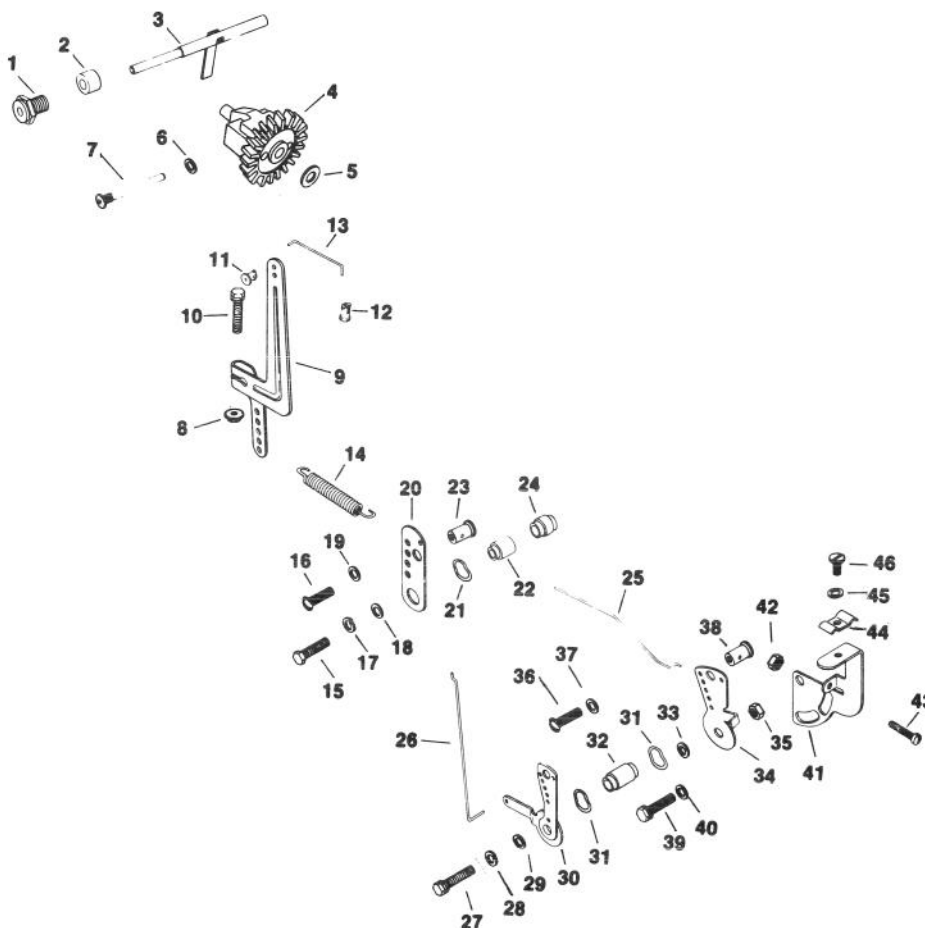
Group no. 22



ENGINE KOHLER MODEL NO. M16S SPEC NO. 711512 (Continued)

Ref. No.	Part No.	Description	No. Used
		Cylinder Head — Group 9	
1	45 015 09	Head — Cylinder	1
2	45 041 16	Gasket — Head	1
3	270889	Washer — Plain	10
4	270158	Screw — H.C.	9
5	47 445 02	Strap — Lifting	1
6	47 086 17	Screw — Hex. Hd.	1
		Dipstick — Group 10	
1	47 038 26	Dipstick	1
2	41 153 01	O-Ring	1
3	47 029 06	Adapter — Oil Fill	1
4	X-131-2	Screw — R.H.	3
5	237064	Gasket — Adapter	1
		Flywheel — Group 13	
1	47 025 53	Flywheel	1
2	52 114 02	Washer — Plain	1
3	25 086 04	Screw — Hex. Mach.	1
4	X-46-3	Key — Woodruff	1
5	25 112 04	Spacer	4
6	25 157 01	Fan	1
7	25 086 14	Screw — Hex. Wash. Hd.	4
8	235377	Shaft — Front Drive	1
9	X-22-1	Washer — Lock	4
10	X-7-6	Screw — H.C.	4
11	25 162 03	Screen — Grass	1
		Fuel Pump — Group 14	
1	47 559 04	Pump — Fuel Assembly	1
2	25 041 05	Gasket — Fuel Pump	1
3	X-25-63	Washer — Plain	2
4	47 155 12	Connector — 45° (For 1/4" I.D. Rubber Hose)	1
5	X-426-9	Clamp — Hose	2
6	X-174-2	Screw — Pozidriv F.H.	2
7	25 353 01	Line — Fuel 5-1/2"	1
8	25 155 02	Connector — 90° (For 1/4" I.D. Rubber Hose)	1
		Fuel Tank — Group 15	
1	47 065 04	Tank — Fuel	1
2	25 173 01	Cap — Fuel Tank	1
3	25 100 04	Nut — Acorn	2
4	X-25-78	Washer — Plain	2
5	47 366 01	Mount — Isolation	4
6	X-799-1	Palnut	2
7	47 126 30	Bracket — Lower Tank	1
8	X-25-28	Washer — Plain	2
9	X-159-3	Screw — H.C.	2
10	41 158 03	Bushing — Fuel Tank	1
11	25 462 01	Valve — Fuel Shut-Off	1
12	47 353 02	Line — Fuel 19"	1

Ref. No.	Part No.	Description	No. Used
		Exhaust — Group 16	
1	45 041 15	Gasket — Exhaust	1
		Ignition — Group 18	
1	47 584 01	Module — Ignition	1
2	X-25-79	Washer — Plain	2
3	X-156-1	Screw — H.C.	2
4	237878	Kit — Stator (15 Amp.)	1
5	X-778-1	Screw — Pozidriv Pan Hd.	4
6	41 155 03	Connector — Male (2 Contact)	1
7	X-728-1	Clip — Lead	1
8	X-67-59	Screw — Hex. Wash. Hd.	1
9	X-132-4	Screw — H.C.	2
10	236602	Connector — Female (3 Contact)	1
11	41 403 05	Regulator/Rectifier	1
12	235041-S	Spark Plug RH-10	1
13	210281	Clip — Hi-Tension Lead	1
	47 518 46	Lead — Violet, Regulator to Connector	1
	47 518 45	Lead — White, w/Diode, Module to Connector	1
	47 518 43	Lead — White, w/Diode, Module to Connector (Service Replacement Part)	1
		Oil Pan — Group 21	
1	235057	Gasket — Oil Pan	1
2	235147	Pan — Oil	1
3	X-159-3	Screw — H.C.	4
4	X-75-10	Plug — Sq. Hd.	1
		Piston & Rod — Group 22	
1	45 108 06	Ring Set (Std. & .003)	1
	45 108 07	Ring Set (.010)	1
	45 108 08	Ring Set (.020)	1
	45 108 09	Ring Set (.030)	1
2	45 874 01	Piston w/Ring Set (Std.)	1
	45 874 02	Piston w/Ring Set (.003)	1
	45 874 03	Piston w/Ring Set (.010)	1
	45 874 04	Piston w/Ring Set (.020)	1
	45 874 05	Piston w/Ring Set (.030)	1
3	47 018 01	Retainer — Piston Pin	2
4	45 067 22	Connecting Rod (Std.)	1
	45 067 23	Connecting Rod (.010)	1



ENGINE KOHLER MODEL NO. M16S SPEC NO. 711512 (Continued)

Ref. No.	Part No.	Description	No. Used
Governor — Group 17			
1	235476	Bushing — Governor Shaft	1
2	X-400-80	Spacer	1
3	237455	Shaft — Governor Cross	1
4	A-235743-S	Kit — Governor Gear	1
5	237022	Washer — Thrust	1
6	25 468 01	Washer — Plain	1
7	231355	Pin — Governor Stop	1
8	X-799-1	Palnut	1
9	47 090 20	Lever — Governor	1
10	X-776-1	Screw — H.C.	1
11	47 158 04	Bushing — Linkage Retaining	1
12	25 158 06	Bushing — Linkage Retaining	1
13	47 079 05	Linkage — Governor (Governor to Carburetor)	1
14	235496	Spring — Governor	1
15	X-5-26	Screw — H.C.	1
16	X-51-8	Screw — Slted. Pan Hd.	1
17	X-20-1	Washer — Lock	1
18	X-25-63	Washer — Plain	1
19	X-25-102	Washer — Plain	1
20	235086	Bracket — Speed Control	1
21	275690	Washer — Wave	1
22	235085	Spacer	1
23	48 755 10	Kit — Clamp	1
24	X-384-2	Spacer	1

Ref. No.	Part No.	Description	No. Used
25	47 079 07	Linkage — Throttle (Swivel Clamp to Throttle Control Lever)	1
26	47 079 01	Linkage — Choke (Carburetor to Choke Shaft)	1
27	X-5-26	Screw — H.C.	1
28	X-20-1	Washer — Lock	1
29	X-25-63	Washer — Plain	1
30	47 090 06	Lever — Choke Control	1
31	275690	Washer — Wave	2
32	47 112 02	Spacer	1
33	X-25-82	Washer — Plain	1
34	47 090 10	Lever — Throttle Control	1
35	X-76-2	Nut — Hex	1
36	X-51-8	Screw — Slted. Pan Hd.	1
37	X-25-102	Washer — Plain	1
38	48 755 10	Kit — Clamp	1
39	X-132-6	Screw — H.C.	1
40	X-25-72	Washer — Plain	1
41	47 126 09	Bracket — Choke	1
42	X-72-4	Nut — Hex	1
43	232556	Screw	1
44	47 237 02	Clamp — Swivel	1
45	X-19-1	Washer — Lock	1
46	X-15-5	Screw — F.H.M.	1