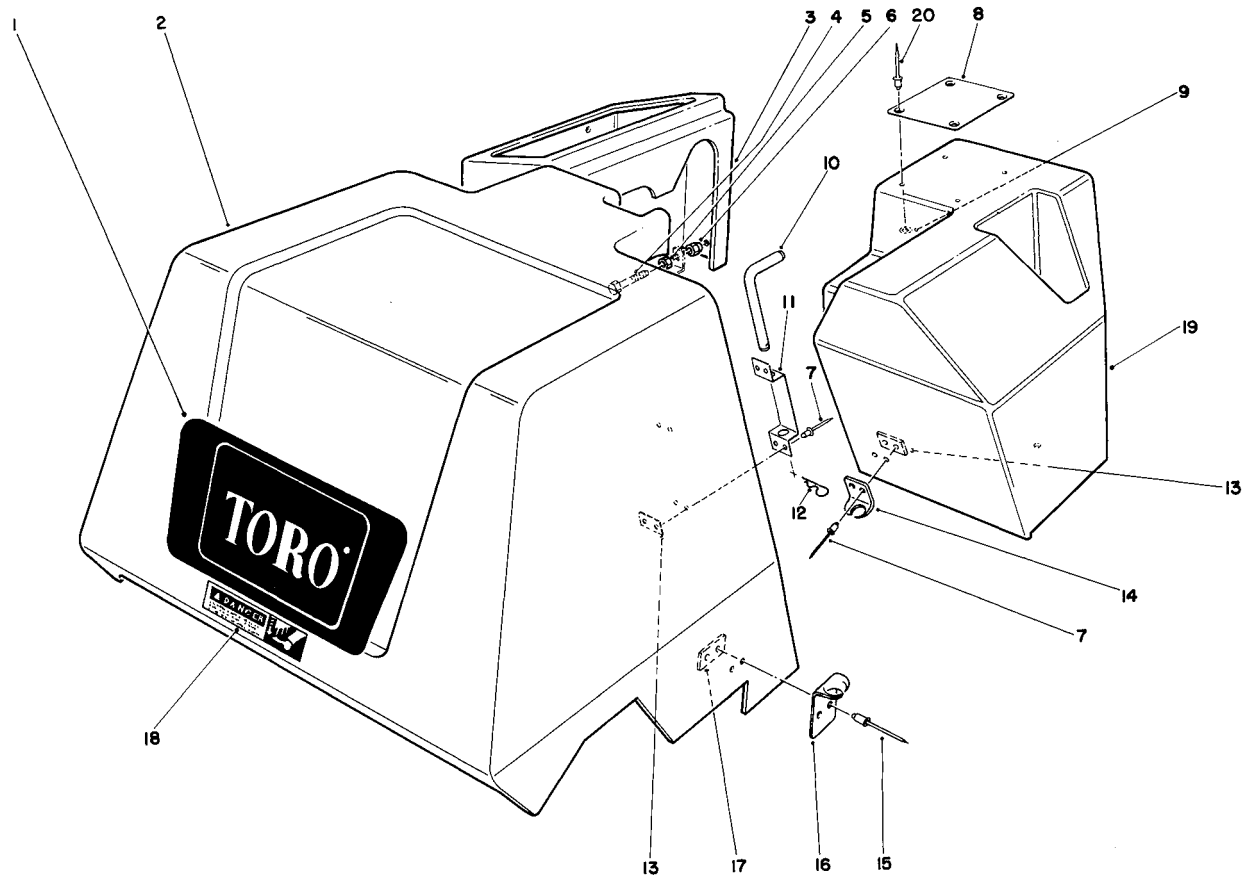




MODEL NO. 09110-10001 thru 20001 & UP

PARTS CATALOG

GREENS AERATOR

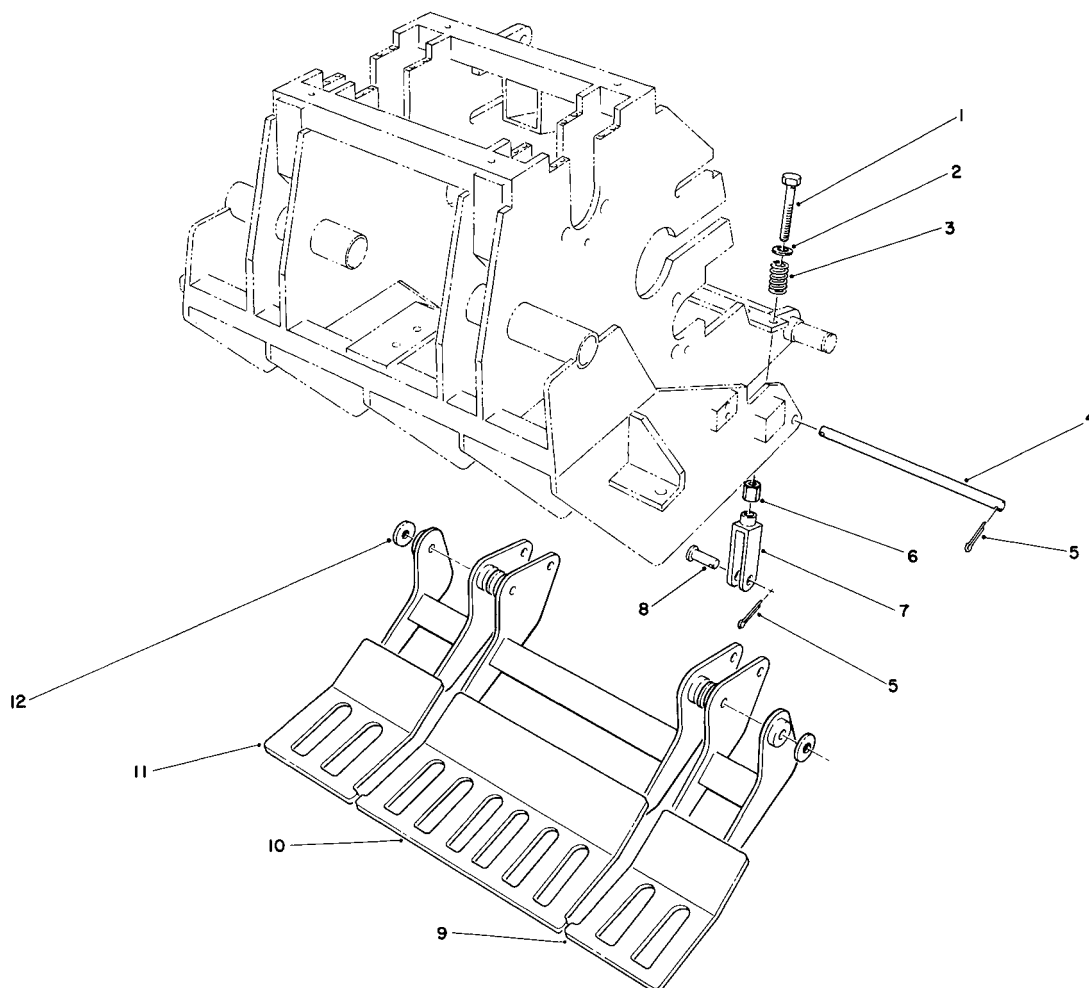


T-0223

COVER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	59-4350	Decal - Toro	1
2	66-4130	Cover - Coring Head	1
3	66-4110	Cover - Controls	1
4	322-2	Screw - Cap Hex Hd.	1
5	3218-2	Nut - Jam	1
6	32111-8	Cap & Locknut	1
7	3269-8	Rivet - Pop	10
8	66-4840	Shield - Heat	1
9	5-1254	Washer	4
10	66-4060	Pin - Idler	1

Ref. No.	Part No.	Description	No. Used
11	66-4440	Holder - Idler Pin	1
12	3290-355	Pin - Hair, Cotter	1
13	59-9610	Plate - Backup	5
14	249-40	Keeper	3
15	3269-4	Rivet - Pop	4
16	249-38	Keeper	2
17	59-9611	Plate - Backup	2
18	59-9930	Decal - Danger	1
19	66-4120	Cover - Clutch	1
20	3269-17	Rivet-Pop	4

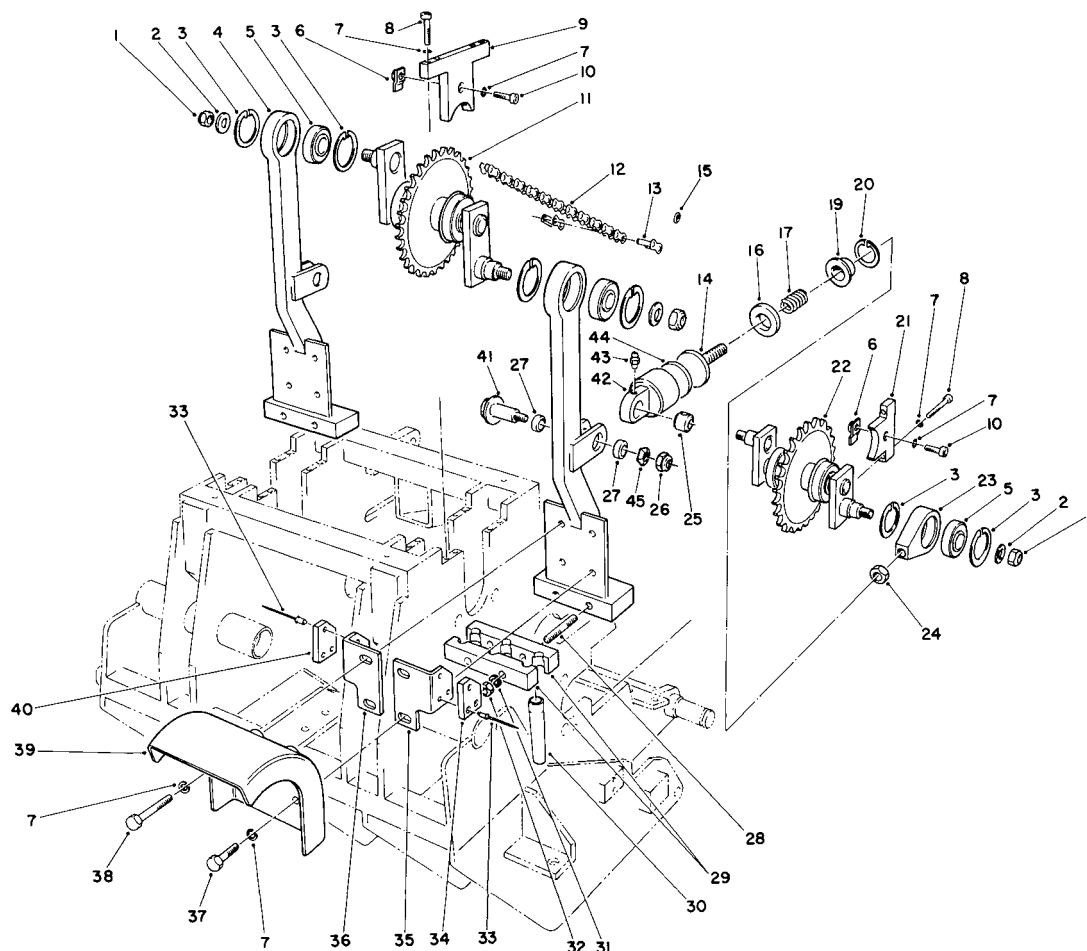


T-0224

TURF GUARD ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3211-12	Screw—Cap Hex Hd.	4
2	3256-4	Washer — Flat	4
3	59-3490	Spring — Compression	4
4	59-2770	Rod — Pivot	2
5	3272-6	Pin — Cotter	8
6	3219-3	Nut	4

Ref. No.	Part No.	Description	No. Used
7	282-1	Clevis	4
8	283-2	Pin — Clevis	4
9	72-4660	Turf Guard — R.H.	1
10	72-4680	Turf Guard — Center	1
11	72-4640	Turf Guard — L.H.	1
12	3256-26	Washer — Flat	6



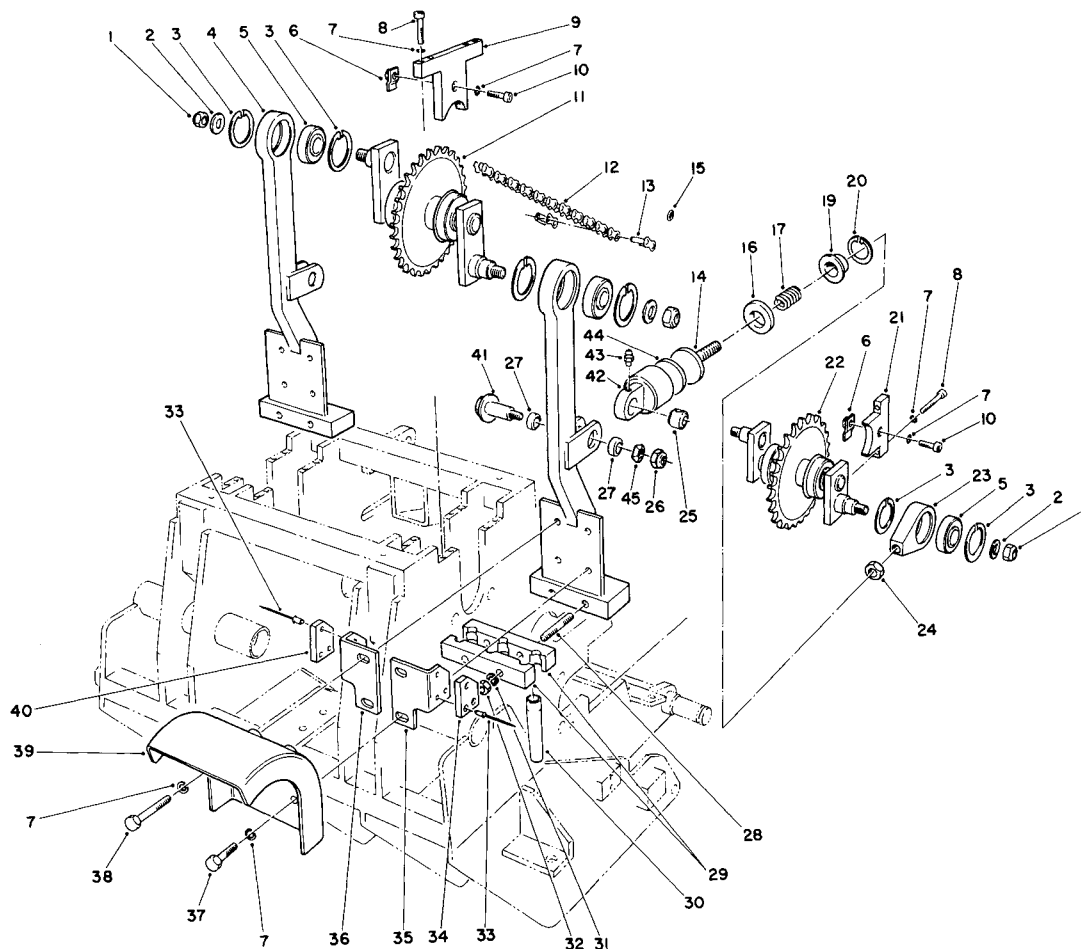
T-0225

TINE ARM & CRANK ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3296-67	Nut - Hex	8	28	61-9160	Stud	8
2	3256-44	Washer - Flat	8	29	59-2500	Block	8
3	32120-22	Ring - Retaining	16	*	62-4610	Block (For 3/4" Tines)	8
4	13-1509	Arm-Tine (Incl. Ref. #1, 27 & 28)	4	30	59-3670	Tine - Coring, 5/8"	12
5	251-312	Bearing	8	*	66-9140	Tine - Coring, 1/2"	12
6	59-2710	Clip - Retaining	12	*	59-3690	Tine - Coring, 3/8"	12
7	3253-21	Washer - Lock	52	*	62-4600	Tine - Coring, 3/4"	12
8	3274-50	Screw - Hex Socket Hd.	24	*	59-9770	Tine - Coring, 5/8" Long Wear	12
†9		Cap-Bearing	4	*	77-5320	Tine - Spiker, 5/16"	12
10	3274-7	Screw - Hex Socket Hd.	12	31	3253-7	Washer - Lock	8
11	66-4030	Assembly - Crank, Long	2	32	3217-9	Nut-Hex	8
12	59-2080	Chain - Roller	2	33	3269-3	Rivet - Pop	24
13	287-13	Link - Connecting	2	34	59-2520	Plate - Wear R.H.	4
14	70-9770	Rod-Ram	4	35	66-8980	Assy. - Wear Plate, R.H. (Incl. Ref. #33 & 34)	4
15	72-4760	O-Ring Seal, Chain	A/R	36	66-8990	Assy. - Wear Plate, L.H. (Incl. Ref. #33 & 40)	4
16	59-3480	Cushion	4	37	323-6	Screw - Cap Hex Hd.	8
17	66-9010	Spring - Compression	4	38	323-11	Screw - Cap Hex Hd.	8
19	59-3450	Retainer	4	39	59-4220	Deflector - Kickout	4
20	32151-75	Ring - Retaining	4	40	59-2550	Plate - Wear L.H.	4
†21		Cap - Bearing	4	41	80-3830	Bolt - Shoulder	4
22	66-4040	Assembly - Crank, Short	2	42	59-3420	Housing	4
23	59-3410	Head - Bearing	4	43	302-5	Fitting - Grease	4
24	3218-6	Nut - Jam	4	44	59-3470	Cushion	4
25	59-3520	Bushing - Long	4				
26	3296-44	Nut-Lock	4				
27	59-3510	Bushing - Short	8				

*Not Illustrated

†Included with Coring Head Frame Assembly #72-9100.

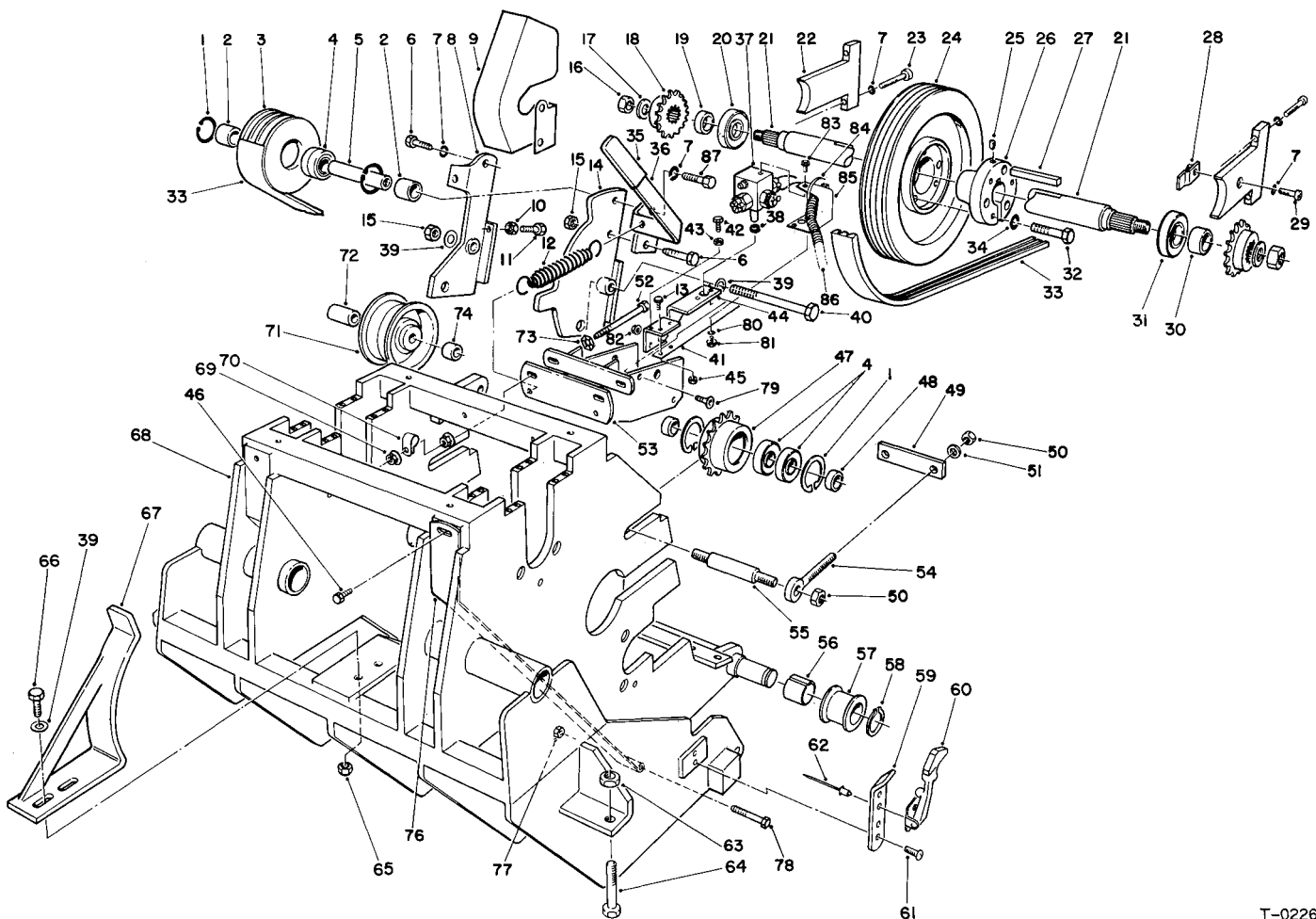


T-0225

TINE ARM & CRANK ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
45 *	3290-224 62-4740	Washer — Pyramidal Timing Rod	4 4	*	12-3819	Assembly — Damper (Incl. Ref.#14, 16,17, 19-20, 25 & 42-44)	1

*Not Illustrated

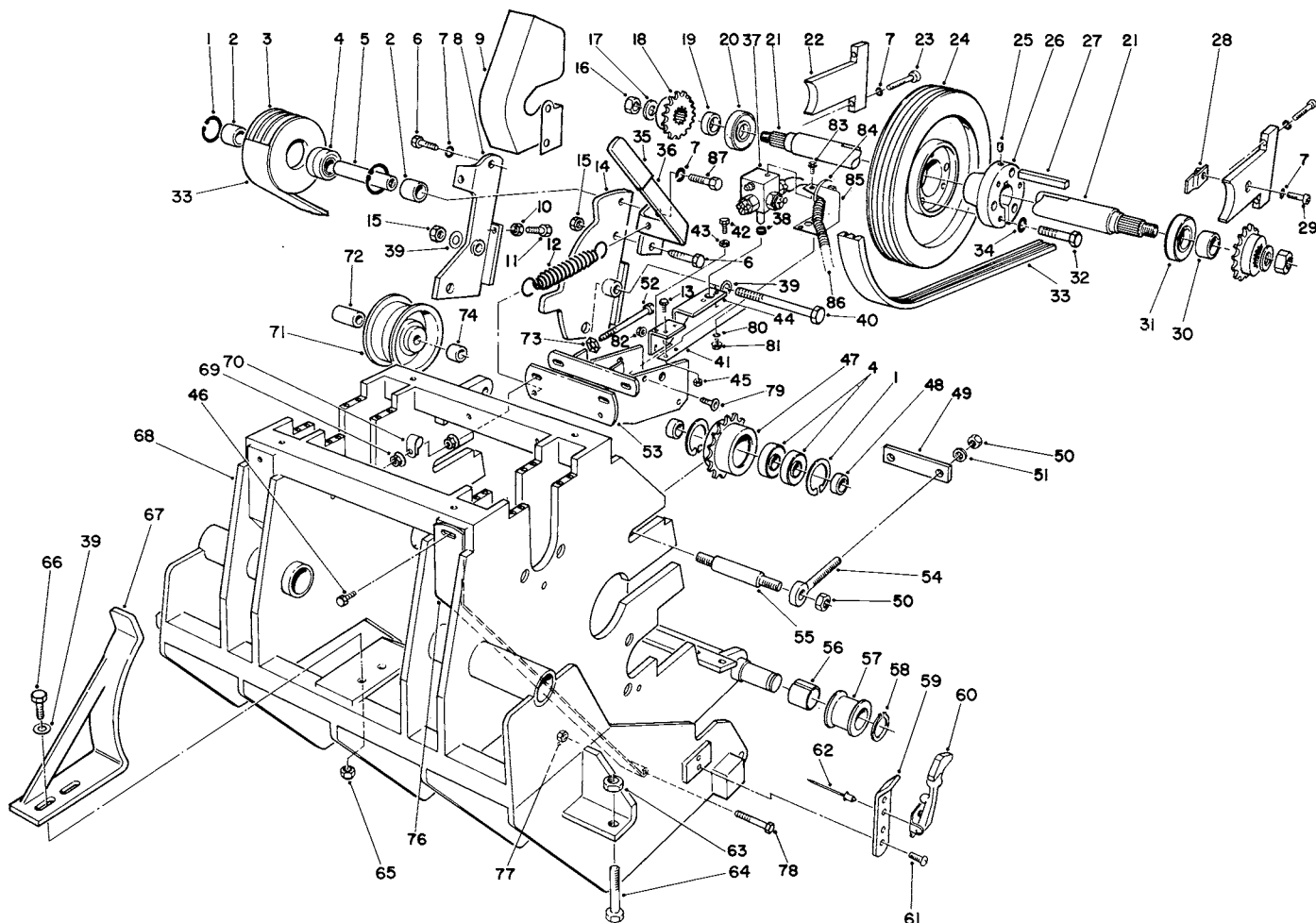


T-0226

CORING HEAD DRIVE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	32120-11	Ring - Retaining	6
2	66-4380	Spacer	2
3	66-3470	Pulley - Idler	1
4	251-297	Bearing	6
5	66-3480	Shaft - Idler	1
6	323-6	Screw - Cap, Hex. Hd.	2
7	3253-21	Washer - Lock	9
8	66-4320	Bracket W.A. - Idler L.H.	1
9	66-8910	Guard - Pulley	1
10	3218-1	Nut - Jam	2
11	321-43	Screw - Cap, Hex. Hd.	2
12	66-4270	Spring - Extension	2
13	3290-359	Screw - Machine, Hex. Hd.	2
14	66-4280	Bracket W.A. - Idler R.H.	1
15	32153-2	Nut - Lock	2
16	3296-67	Nut - Lock	2
17	3256-44	Washer - Flat	2
18	66-3790	Sprocket	2
19	66-4690	Spacer	1
20	251-312	Bearing	1
21	66-3840	Shaft - Power	1
22		Cap - Bearing	2
23	3274-50	Screw - Cap, Socket Hd.	4
24	59-2130	Pulley	1
25	3245-2	Screw - Set	1
26	59-3790	Bushing Assembly (Incl. Ref. #25, 32 & 34)	1

Ref. No.	Part No.	Description	No. Used
27	59-4210	Key	1
28	59-2710	Clip - Retaining	3
29	3274-7	Screw - Cap, Socket Hd.	3
30	66-4680	Spacer	1
31	251-313	Bearing	1
32	322-7	Screw - Cap, Hex. Hd.	3
33	66-4070	V-Belt	1
34	3253-4	Washer - Lock	3
35	3-7877	Grip - Handle	1
36	66-4560	Handle	1
37		Assembly - Switch	1
38	253-166	Seal	1
39	3256-24	Washer - Flat	4
40	323-25	Screw - Cap, Hex. Hd.	1
41	66-4480	Actuator - Switch	1
42	3290-360	Screw - Hex. Head	1
43	3217-26	Nut - Jam	1
44	80-3820	Bracket - Switch	1
45	3296-12	Nut - Lock	2
46	46-8560	Screw - Thread Forming	2
47	59-2390	Sprocket	2
48	59-2600	Bushing	4
49	59-2070	Bar - Keeper	2
50	3296-23	Nut - Lock	8
51	3256-26	Washer - Flat	4
52	323-20	Screw - Cap, Hex. Hd.	2
53	80-4020	Bracket - Idler Pulley Pivot	1



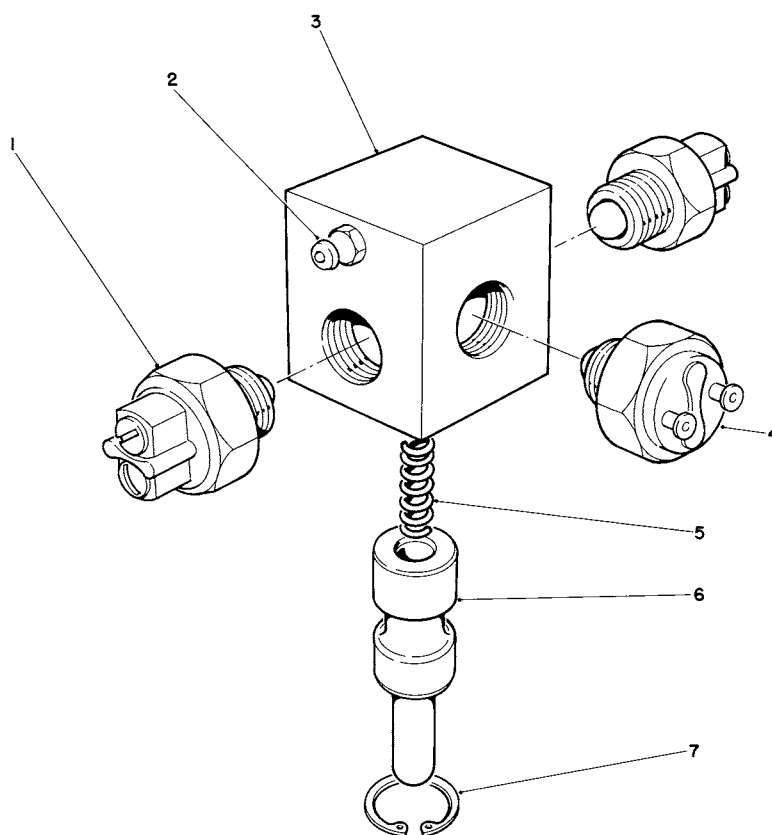
T-0226

CORING HEAD DRIVE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
54	59-2620	Eye Bolt	4
55	59-2610	Shaft	2
56	256-319	Bushing - Split	2
57	84-8480	Sleeve	2
58	32151-77	Ring - Retaining	2
59	59-9640	Plate - Handle	2
60	59-9750	Assembly - Latch	2
61	32140-29	Screw - Washer Hd.	4
62	3269-4	Rivet - Pop	4
63	3218-5	Nut - Jam	2
64	60-9870	Screw - Adjustment	2
65	3296-59	Nut - Lock	2
66	323-4	Screw - Cap, Hex. Hd.	2
67	66-3810	Guide W.A. - Belt	1
68	72-9100	Coring Head W.A.	1
69	32128-19	Nut - Lock, Flange Hd.	3
70	2412-68	R-Clamp	1
71	37-5760	Pulley - Idler	1
72	59-2580	Spacer - Long	1

Ref. No.	Part No.	Description	No. Used
73	3290-224	Washer - Lock, Pyramidal	2
74	59-2570	Spacer - Short	1
76	76-2370	Guard - Chairn	2
77	3296-42	Nut - Lock	2
78	321-33	Screw - Cap, Hex. Hd.	2
79	3289-4	Screw - Flat Hd. Hex. Soc.	2
80	3253-12	Washer - Lock	2
81	32105-8	Screw - Washer Head	2
82	32128-33	Nut - Flange	2
83	32144-73	Screw - Hex. Washer Head Thread Forming	1
84	3290-378	Tie - Cable	1
85	80-3930	Guard - Switch	1
86	80-3810	Wiring Harness - Coring Head Switch	1
87	323-7	Screw - Cap Hex. Hd.	1
*		Coring Head Stand Model No. 09152 (Optional)	1

*Not Illustrated

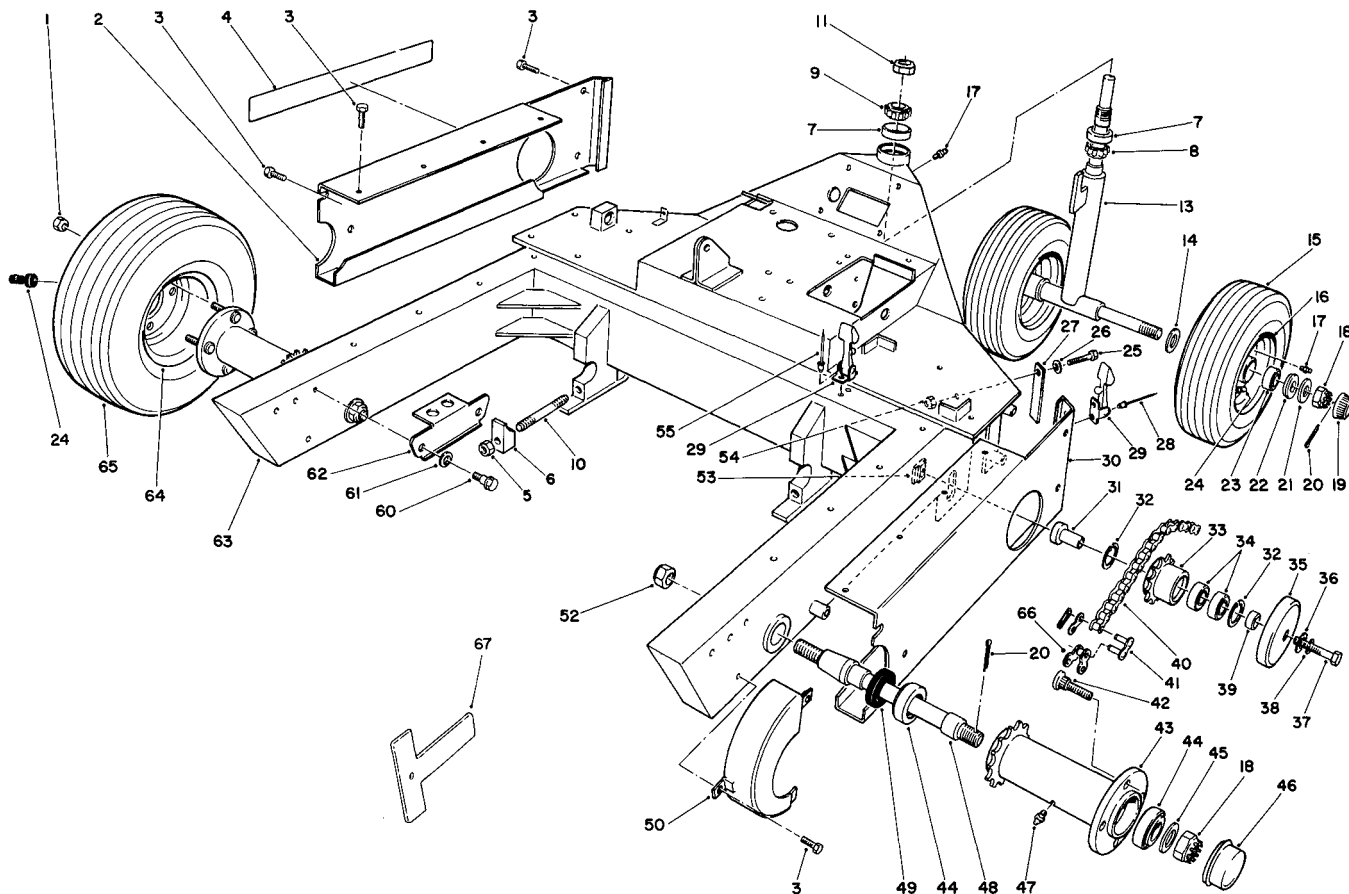


T-1173

SWITCH ASSEMBLY – CORING HEAD

Ref. No.	Part No.	Description	No. Used
1	19-2530	Switch – Start. Safety N.O.	2
2	302-22	Fitting – Grease	1
3	80-2830	Housing Switch	1
4	28-4250	Switch – Neutral N. C.	1

Ref. No.	Part No.	Description	No. Used
5	10-4850	Spring – Compression	1
6	80-2840	Plunger – Switch	1
7	32151-54	Ring – Retaining	1



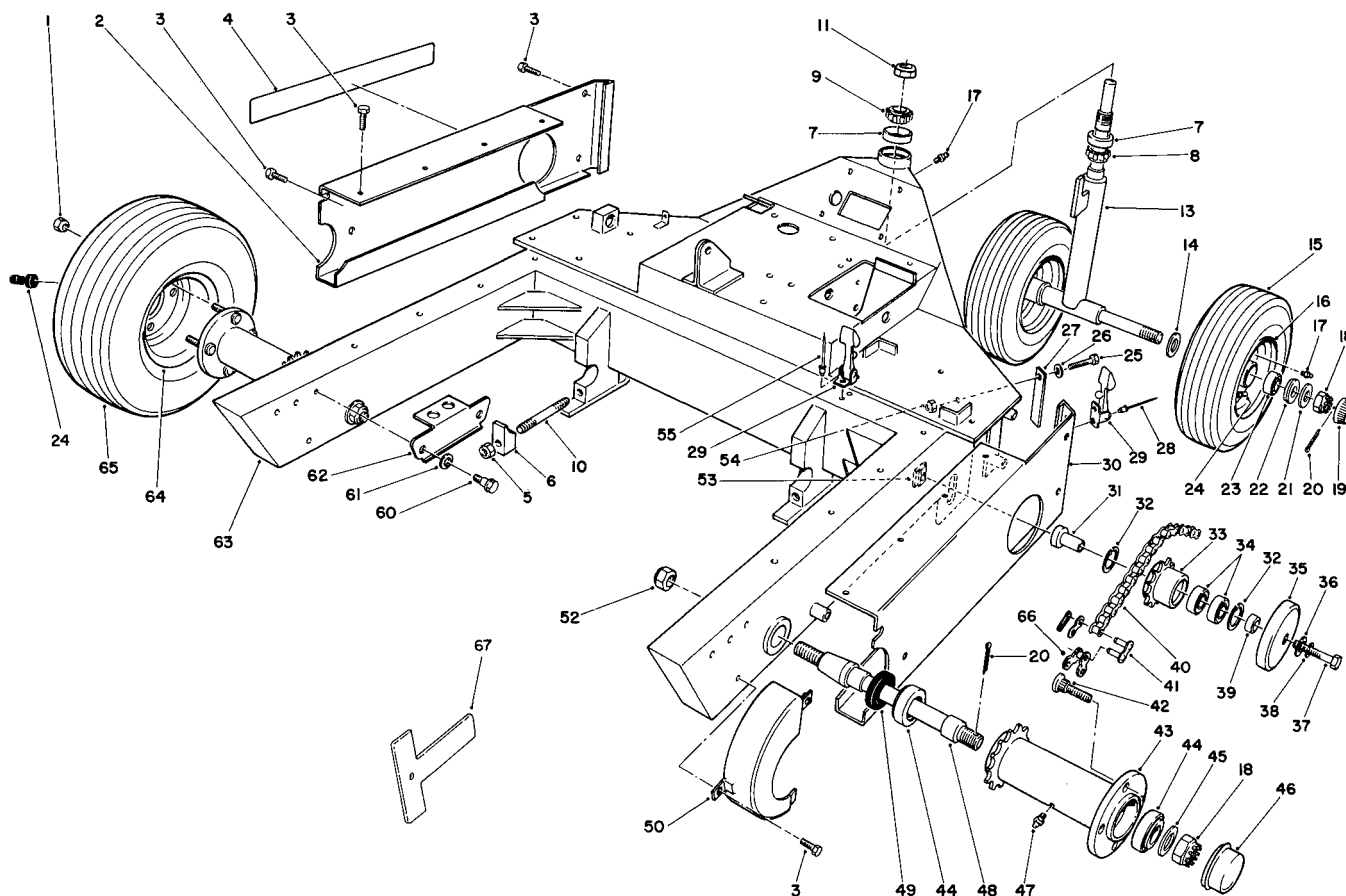
T-0227

CHASSIS ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	242-50	Nut - Lug	8
2	66-9070	Guard - Chassis L.H.	1
3	46-8560	Screw- Cap Hex. Hd.	18
4	59-4440	Decal - Greens Aerator	2
5	3296-45	Nut - Lock	2
6	82-8020	Clamp	2
7	254-61	Cup - Bearing	2
8	254-70	Cone - Bearing	1
9	254-62	Cone - Bearing	1
10	61-9160	Stud	2
11	3296-68	Nut - Lock	1
13	80-2710	Assembly - Front Axle	1
14	22-6090	Washer - Thrust	2
15	231-126	Tire	2
16	241-123	Rim	2
17	302-5	Fitting - Grease	3
18	32136-5	Nut - Hex Slotted	4
19	61-9780	Cap-Hub	2
20	3272-13	Pin - Cotter	4
21	28-2480	Washer	2
22	59-9650	Retainer - Bearing	4
23	252-105	Bearing - Roller	4
24	232-35	Stem - Valve w/Cap	4
25	321-6	Screw - Cap, Hex Hd.	2
26	3256-22	Washer - Flat	2
27	59-9460	Guide	2

Ref. No.	Part No.	Description	No. Used
28	3296-8	Rivet - Pop	4
29	59-9740	Assembly - Latch	3
30	59-3240	Guard - Chassis R.H.	1
31	59-2420	Bushing	2
32	32120-11	Ring - Retaining	4
33	59-2390	Sprocket - Idler	2
34	251-297	Bearing - Ball	4
35	59-9620	Cover - Idler	2
36	3256-26	Washer - Flat	2
37	325-13	Screw- Cap Hex. Hd.	2
38	3253-7	Washer - Lock	2
39	59-9630	Spacer	2
40	59-2090	Chain - Roller	2
41	2710-16	Link - Connecting	2
42	10-6830	Stud - Drive	8
43	59-4040	Assembly - Hub (Incl. Ref. #42)	2
44	254-105	Bearing - Roller	4
45	7-4150	Washer	2
46	59-2380	Cap - Dust	2
47	302-10	Grease Fitting	2
48	59-2700	Shaft	2
49	253-158	Seal - Shaft	2
50	59-3280	Guard - Sprocket R.H.	1
*	59-3270	Guard - Sprocket L.H.	1

*Not Illustrated

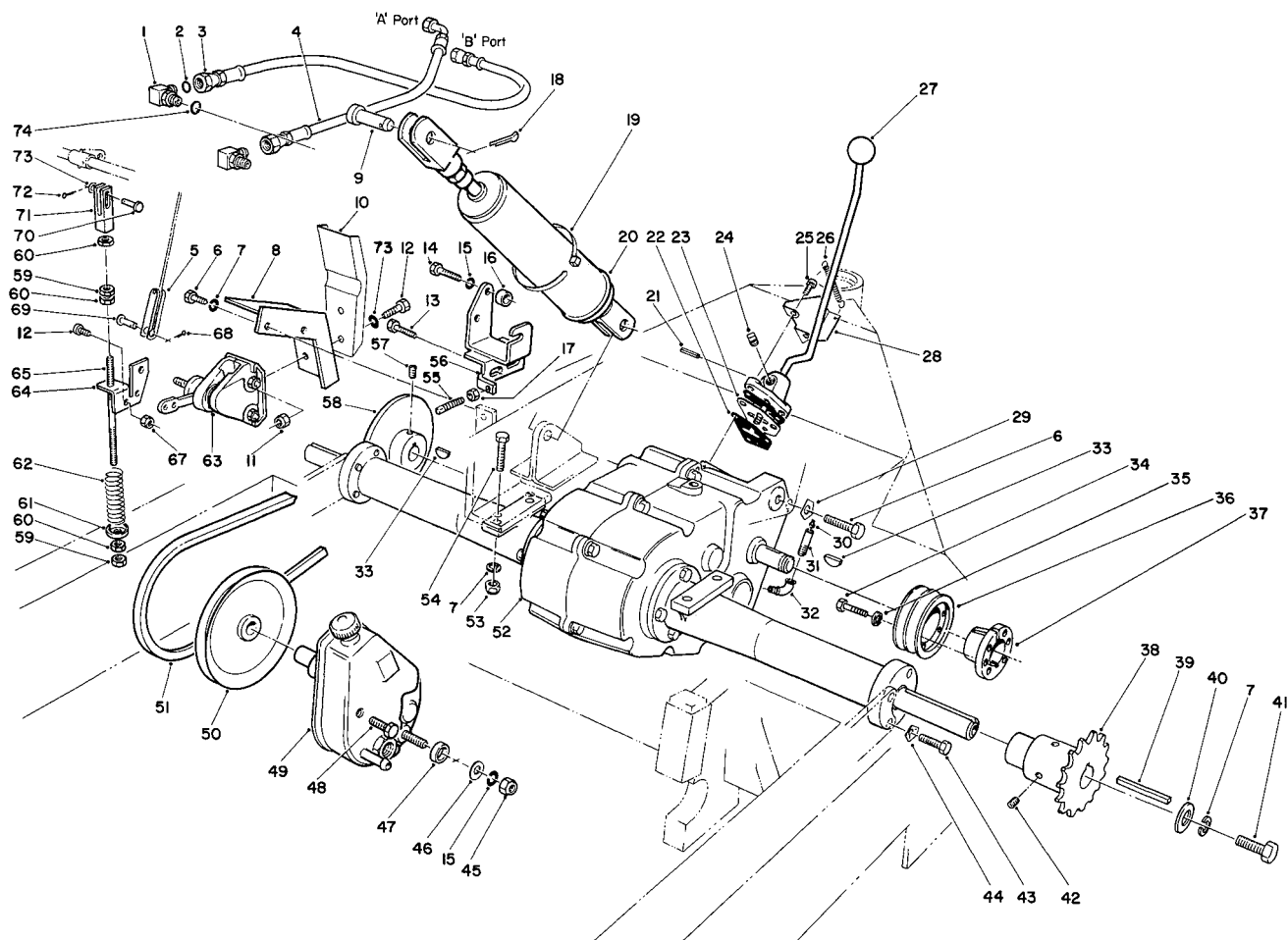


T-0227

CHASSIS ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
52	3296-15	Nut - Lock	2
53	59-2430	Nut - Special	2
54	3296-42	Nut - Lock	2
55	3290-271	Rivet - Pop	2
60	5-2490	Bolt - Shoulder	2
61	3-3287	Spacer	2

Ref. No.	Part No.	Description	No. Used
62	66-4530	Bracket - Lockup	2
63	72-9000	Frame	1
64	217-60	Rim	2
65	231-119	Tire	2
66	2710-20	Link - Single Pitch	2
67	60-9930	Frame Gauge	1

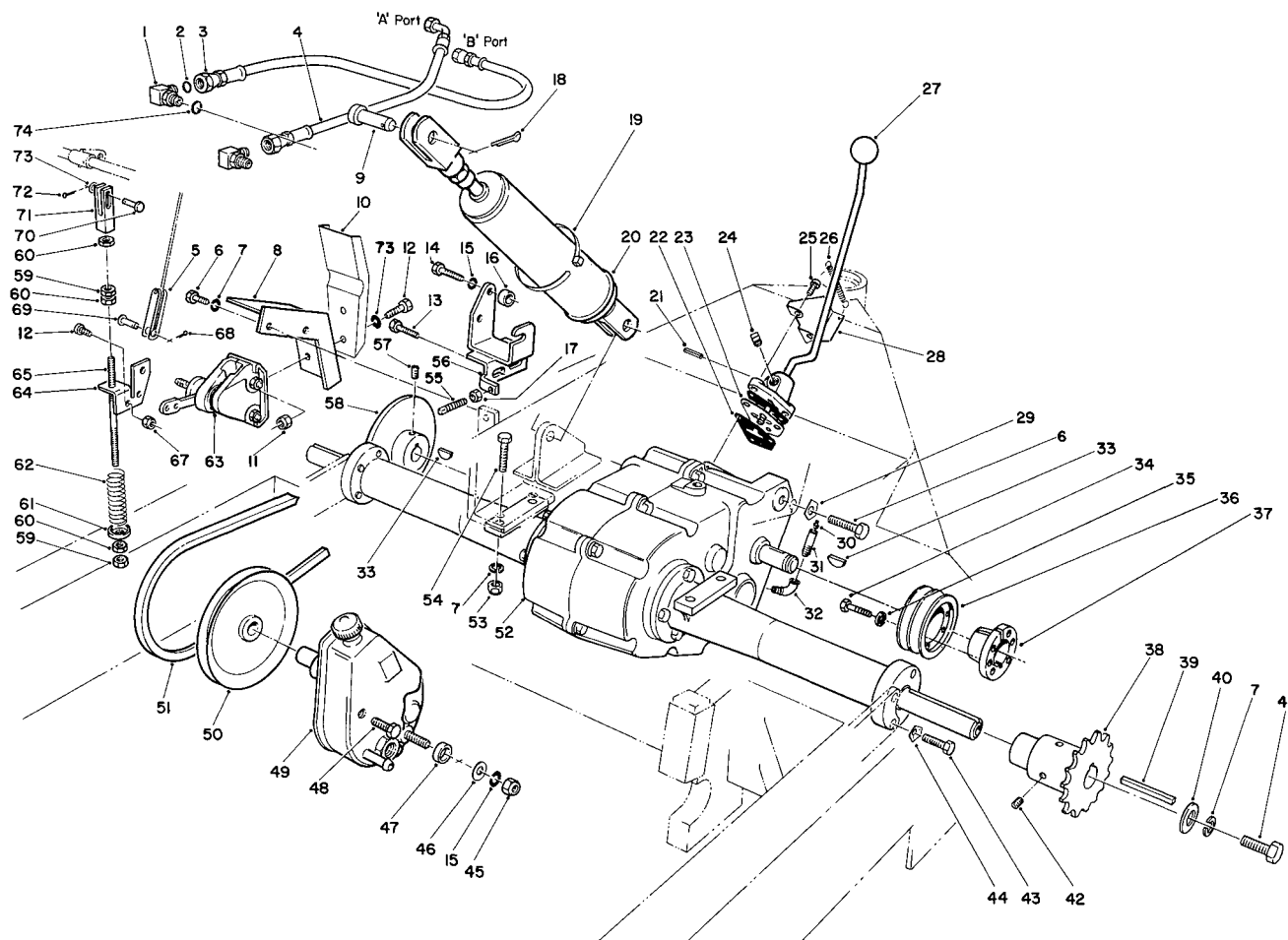


T-0228

TRANSAXLE, BRAKE & PUMP ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	340-82	Fitting (Inc. Ref. #2 & 74)	2
2	237-21	O-Ring	2
3	76-2300	Hose - Cylinder	1
4	59-4160	Hose - Cylinder	1
5	66-3930	Clevis	1
6	323-6	Screw - Cap, Hex. Hd.	3
7	3253-21	Washer - Lock	8
8	76-2620	Bracket W.A.	1
9	283-74	Pin - Clevis	2
10	72-9120	Pan - Engine Oil Drain	1
11	3296-42	Nut - Lock	2
12	321-4	Screw - Cap, Hex. Hd.	4
13	11-0590	Screw - Thread Forming Hex. Washer Hd.	2
14	48-9470	Screw - Cap Hex Hd.	2
15	3253-6	Washer - Lock	3
16	59-4320	Spacer	2
17	3218-3	Nut - Jam	1
18	3272-12	Pin-Cotter	2
19	3290-379	Tie - Cable	1
20	62-4660	Assembly - Cylinder	1
21	32121-20	Pin - Roll	1
22	27-6390	Gasket	2
23	66-3290	Plate - Guide Shift	1
24	281-2	Plug - Pipe	1
25	3274-26	Screw - Socket Hd.	3
26	66-4460	Spring	1

Ref. No.	Part No.	Description	No. Used
27	233-13	Knob	1
28	66-3920	Bracket - Spring	1
29	3290-224	Washer - Pyramidal	1
30	281-1	Plug - Oil	1
31	68-3110	Tube-Oil	1
32	2811-10	Elbow - Street	1
33	3257-5	Key	2
34	321-13	Screw - Cap, Hex. Hd.	3
35	3253-3	Washer - Lock	3
36	59-2140	Pulley	1
37	59-2150	Bushing (Inc. Ref. #34 & 35)	1
38	59-3110	Sprocket	2
39	5-0786	Key	2
40	3-4685	Washer - Thrust	2
41	323-5	Screw - Cap, Hex. Hd.	2
42	3247-2	Screw - Set	4
43	322-5	Screw - Cap, Hex. Hd.	4
44	3290-238	Washer - Pyramidal	4
45	21-0360	Hex Nut (Metric)	1
46	3256-25	Washer - Flat	1
47	59-4310	Spacer	1
48	60-9920	Screw (Metric)	1
49	44-7800	Pump - Steering	1
50	38-1830	Pulley - Steering Pump	1
51	59-4200	V-Belt	1
52	66-4590	Transaxle	1
53	3217-7	Nut	4



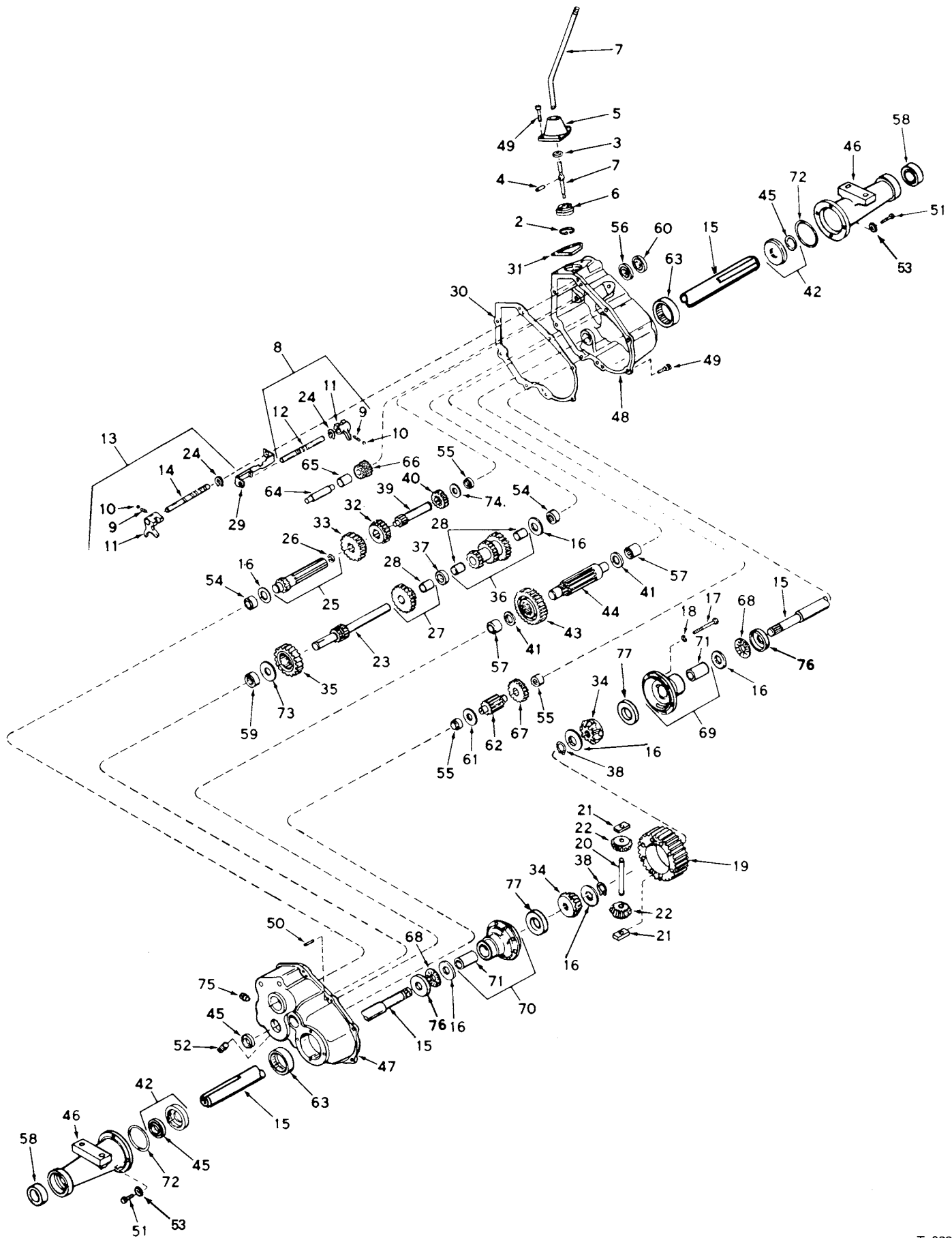
T-0228

TRANSAXLE, BRAKE & PUMP ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
54	323-10	Screw - Cap, Hex. Hd.	4
55	3243-9	Screw - Set, Sq. Hd.	1
56	72-4860	Bracket - Pump Support	1
57	3245-33	Screw - Set	2
58	59-4100	Brake W.A. - Disc	1
59	3220-1	Nut - Jam	2
60	3219-1	Nut - Hex.	3
61	66-3390	Retainer - Brake Spring	1
62	66-4150	Spring	1
63	76-2590	Brake - Caliper	1

Ref. No.	Part No.	Description	No. Used
64	80-3890	Arm - Brake	1
65	66-3400	Rod - Brake Take-up	1
67	3296-16	Nut - Lock	2
68	3272-4	Pin - Cotter	1
69	283-2	Pin - Clevis	1
70	283-67	Pin - Clevis	1
71	66-4600	Clevis - Brake	1
72	3272-4	Pin - Cotter	1
73	3296-22	Washer - Flat	3
74	237-42	O-Ring	2

TRANSAXLE ASSEMBLY MODEL NO. 2361A

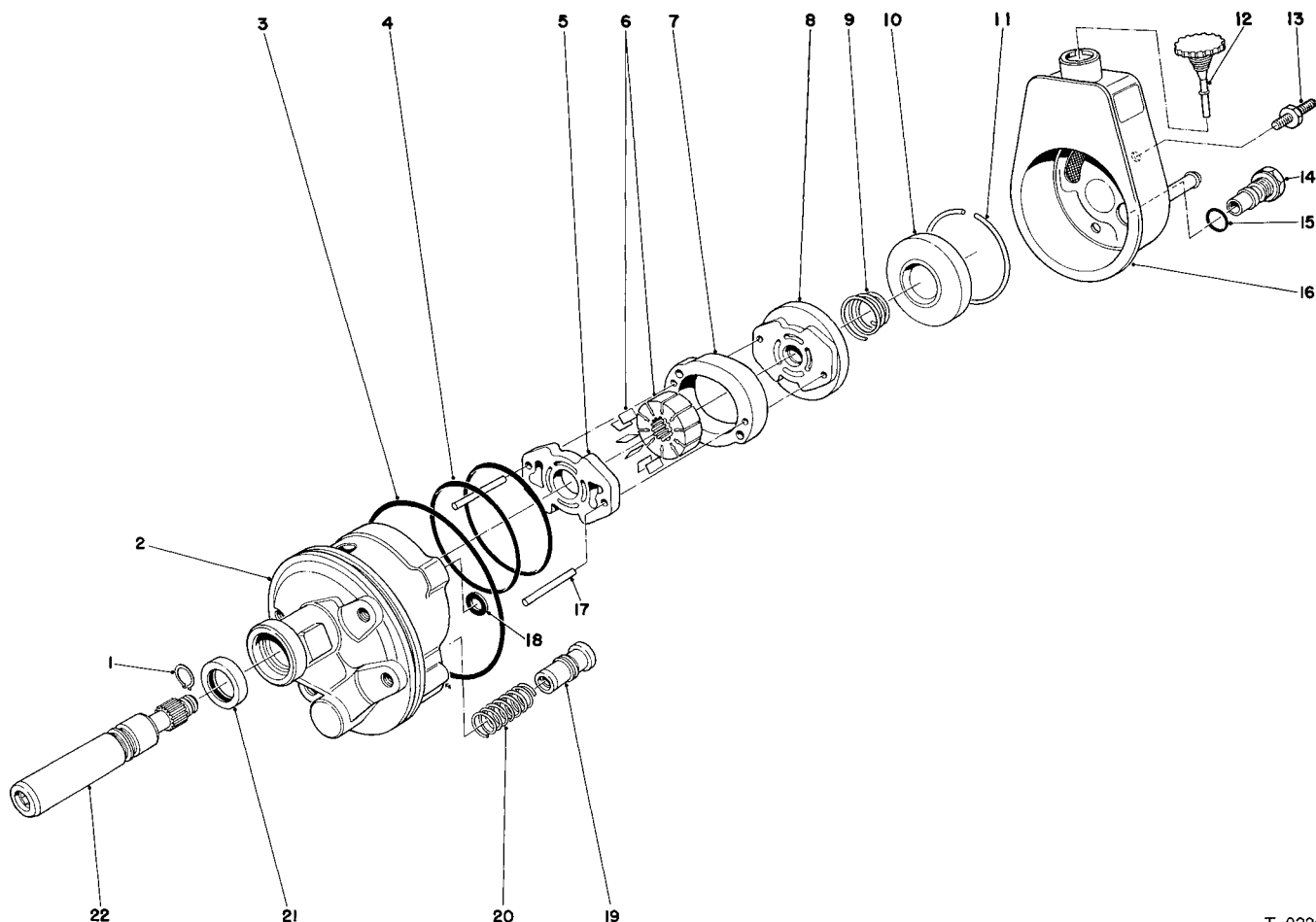


TRANSAXLE ASSEMBLY MODEL NO. 2361A (Continued)

Ref. No.	Part No.	Description	No. Used
2	792016	Ring — Snap	1
3	792001	Ring — Quad	1
4	792049	Pin — Roll	1
5	784344	Housing — Shift Lever	1
†6	66-9080	Keeper — Shift Lever	1
7	784343A	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	Pinion Shaft & Bearing (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 — 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
40	778024A	Spur Gear — Input Shaft	1

Ref. No.	Part No.	Description	No. Used
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	1
76	780075	Race — Thrust	2
77	780107	Washer	2
†78	3274-26	Screw — Socket Hd.	3

†Obtain from your local Toro dealer.



T-0230

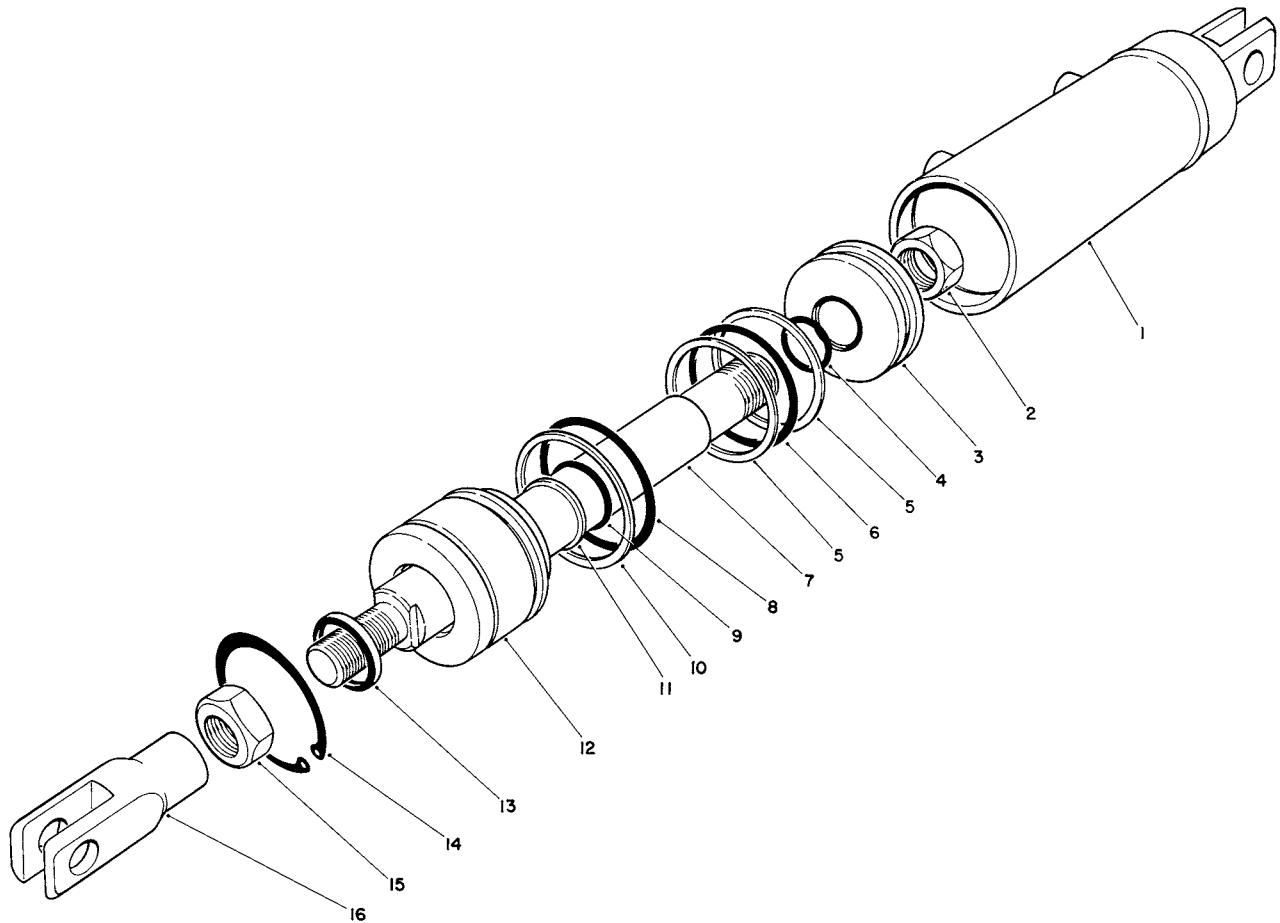
PUMP ASSEMBLY NO. 44-7800

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	Assy. — Cap, Reservoir	1
13	39-8700	Stud Pump Mounting	2
14	39-8680	Assembly — Fitting (Incl. Ref. #15)	1

Ref. No.	Part No.	Description	No. Used
15	39-8710	Seal — O-Ring	1
16	37-8400	Pump Reservoir Service Kit (Incl. Ref. #3 & 18)	1
17	37-8300	Pin — Pump, Ring Dowel	2
18		Seal	2
19	37-8410	Assembly — Valve, 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

†Not Serviced Separately



T-0231

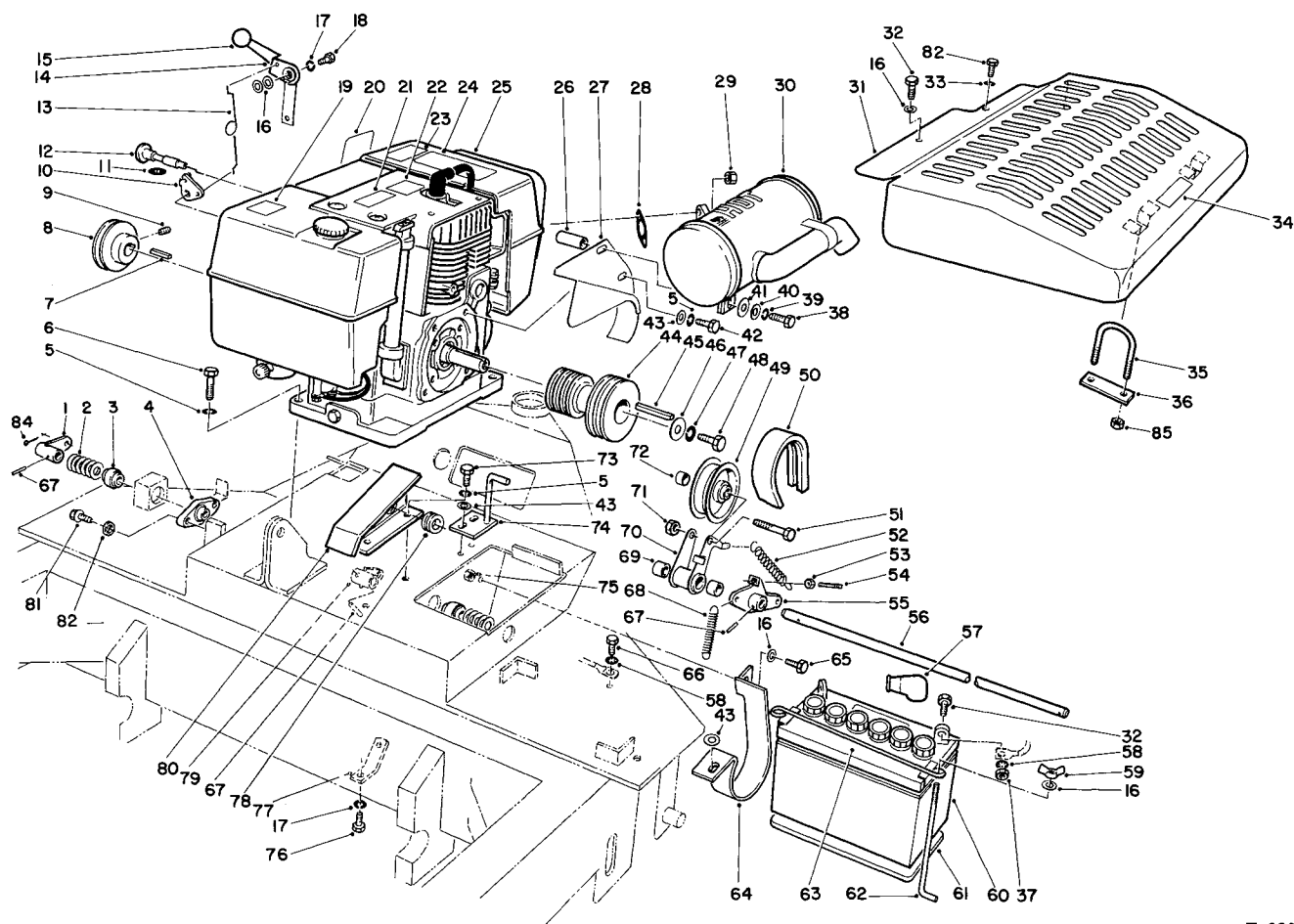
HYDRAULIC CYLINDER ASSEMBLY NO. 62-4660

Ref. No.	Part No.	Description	No. Used
†1		Assembly – Barrel	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
†10		Ring – Back-Up	1

Ref. No.	Part No.	Description	No. Used
†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 (Inc. Ref. #4-6, 8-11, 13 & 14)	1

*Not Illustrated

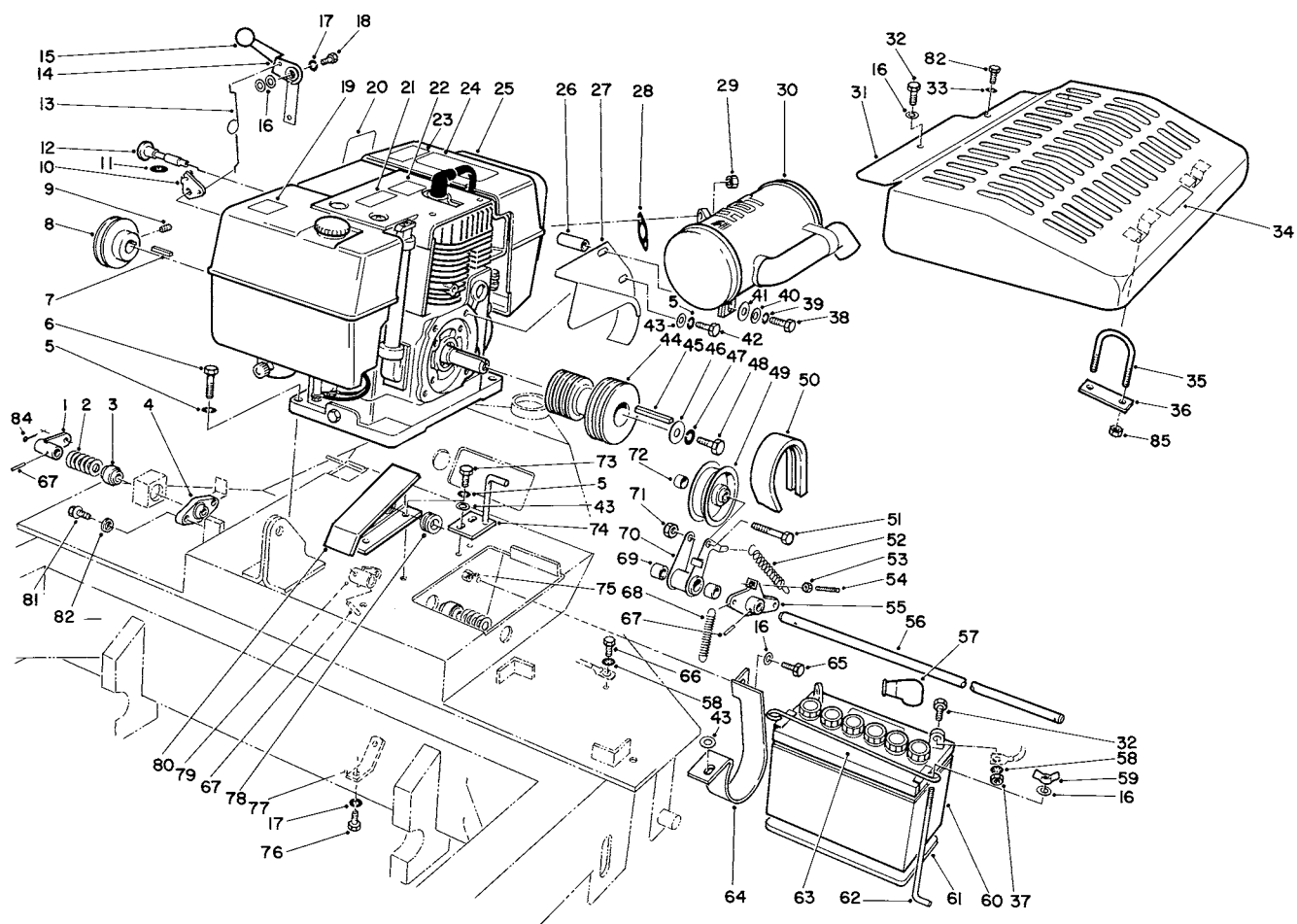
†Not Serviced Separately



T-0232

CLUTCH & ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	72-8650	Arm - Cross Shaft	1	25	12-7499	Engine - 16 hp (Kohler Model #M16S-711559)	1
2	3256-69	Washer - Flat	11	26	36-3920	Spacer	1
3	66-4730	Bearing	3	27	66-4650	Guide - Belt	1
4	66-4520	Housing - Bearing	1	28	2210-275	Gasket	1
5	3253-21	Washer - Lock	10	29	32153-3	Nut - Lock	2
6	323-7	Screw - Cap Hex Hd.	4	30	66-4630	Muffler	1
7	13-2840	Key	1	31	60-9950	Guard - Muffler	1
8	61-9150	Pulley	1	32	321-3	Screw - Cap Hex Hd.	3
9	3245-2	Screw - Set	2	33	3254-1	Washer - Lock	1
10	59-4740	Bell Crank	1	34	54-0910	Decal - Hot Surface	1
11	3255-5	Washer - Lock, Int. Tooth	1	35	60-9940	Bolt - U	2
12	59-4400	Control - Choke	1	36	60-9980	Bar	2
13	72-9040	Wire - Linkage	1	37	3217-5	Nut - Hex	2
14	62-4800	Handle - Throttle (Incl. Ref. #15)	1	38	322-12	Screw - Cap Hex Hd.	1
15	233-25	Knob	1	39	3253-4	Washer - Lock	1
16	3256-22	Washer - Flat	6	40	3256-23	Washer - Flat	1
17	3253-3	Washer - Lock	2	41	3256-25	Washer - Flat	1
18	321-9	Screw - Cap Hex Hd.	1	42	323-5	Screw - Cap Hex Hd.	2
19	53-4420	Decal - Gas	1	43	3256-24	Washer - Flat	5
20	59-9530	Decal - Throttle	1	44	66-3910	Pulley - Engine	1
21	61-9100	Decal - Refueling	1	45	13-6330	Key	1
22	66-9000	Label - Break-In	1	46	3256-6	Washer - Flat	1
23	66-9110	Decal - Start	1	47	3253-6	Washer - Lock	1
24	66-9050	Decal - Shift	1	48	3212-8	Screw - Cap Hex Hd.	1

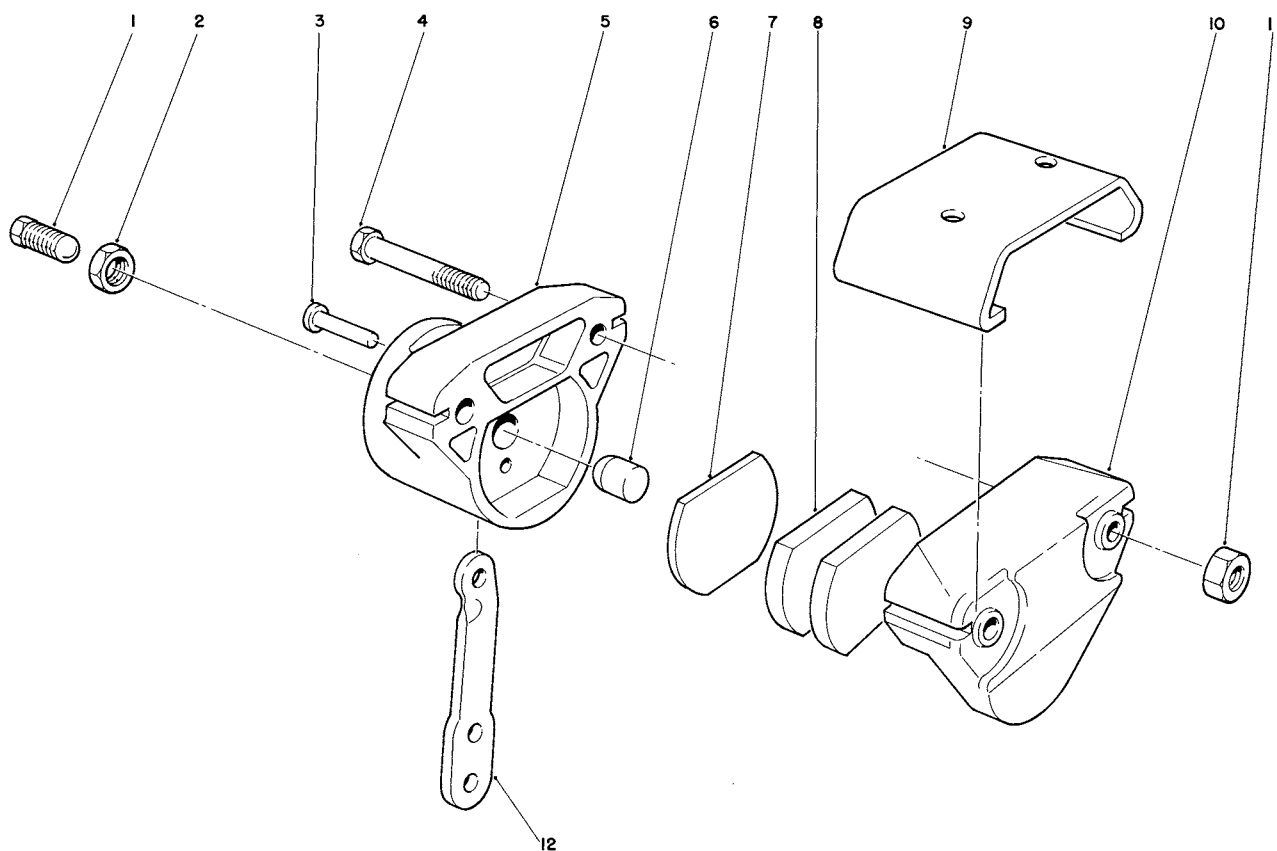


T-0232

CLUTCH & ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
49	66-4210	Pulley — Idler	1
50	66-4340	V-Belt	1
51	323-12	Screw — Cap Hex Hd.	1
52	5-7290	Spring	1
53	3218-2	Nut — Jam	1
54	3242-9	Screw — Set, Sq. Hd.	1
55	66-3360	Arm W.A. — Brake Clutch	1
56	66-3440	Cross Shaft — Clutch	1
57	218-331	Boot—Battery	1
58	3254-8	Washer — Lock, Int. Tooth	3
59	32103-12	Nut—Wing	2
60	28-1400	Battery — 12 Volt	1
61	59-9470	Pad — Battery	1
62	7-3328	Bolt — Battery	2
63	72-4790	Clamp — Battery	1
64	72-8920	Guide — Traction Belt	1
65	321-5	Screw— Cap Hex Hd.	1
66	32104-17	Screw — Hex Hd. Self-Tap	1
67	32121-16	Pin — Roll	3
68	66-4180	Spring	1

Ref. No.	Part No.	Description	No. Used
69	256-216	Bushing	2
70	66-3590	Bracket — Drive Take-up (Inc. Ref. #69)	1
71	3296-39	Nut — Lock	1
72	59-4320	Spacer	1
73	323-4	Screw — Cap Hex Hd.	4
74	66-3560	Guide — Belt	1
75	3296-42	Nut — Lock	1
76	321-2	Screw — Cap Hex Hd.	1
77	66-3420	Bracket — Spring Brake	1
78	237-125	Grommet	1
79	76-2610	Arm W.A. — Brake	1
80	66-4400	Guide — Belt	1
81	32144-57	Screw — Hex Hd. Thread Forming	2
82	32144-64	Screw — Hex Hd. Self-Tap	1
83	3256-2	Washer — Flat	6
84	3272-6	Pin — Cotter	1
85	32153-4	Nut — Hex. Lock	4

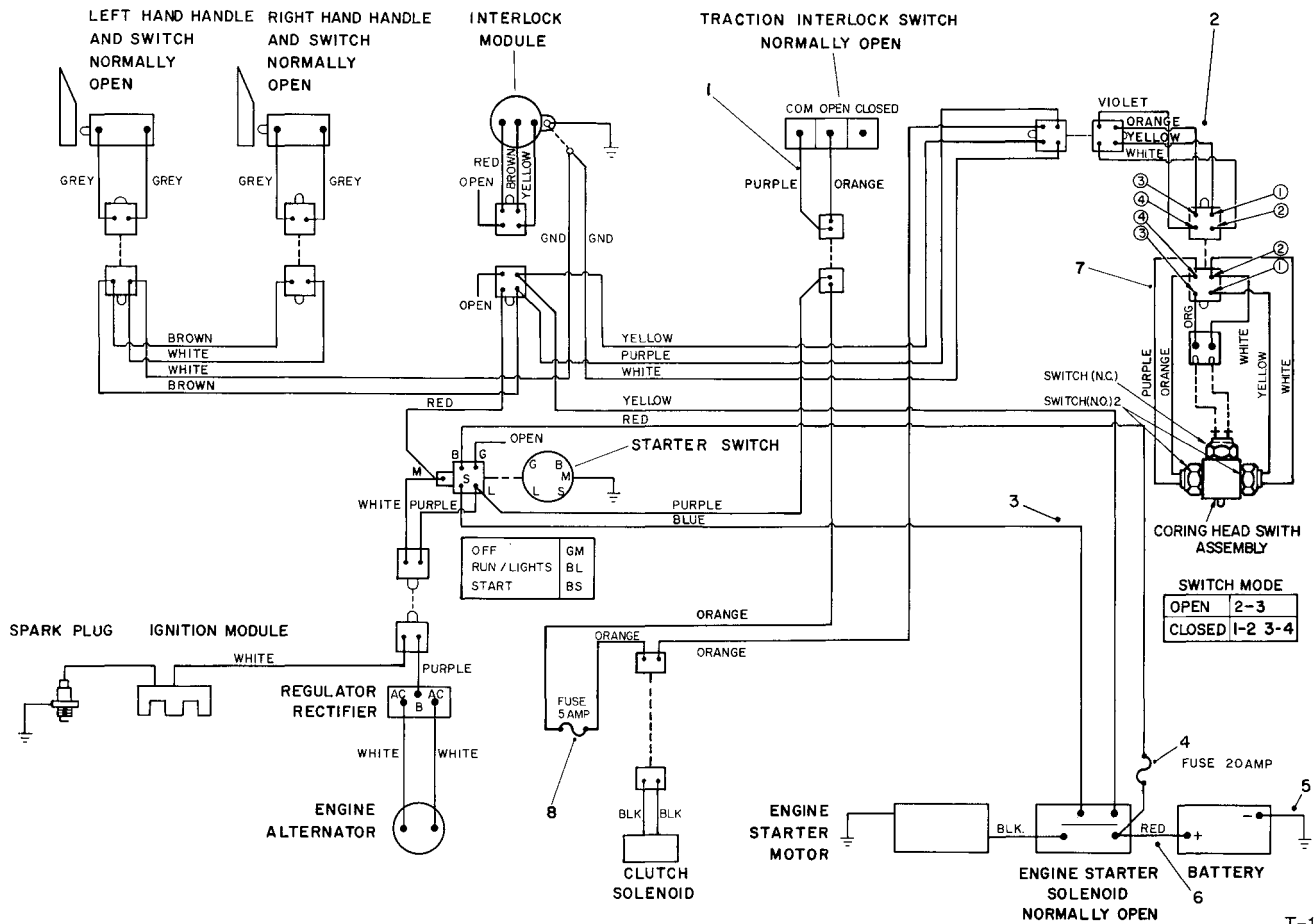


T-1243

BRAKE CALIPER ASSEMBLY NO. 76-2590

Ref. No.	Part No.	Description	No. Used
1	80-0210	Pin - Adjustment	1
2	3220-4	Nut - Jam	1
3	80-0090	Pin - Groove	1
4	3211-10	Screw - Cap Hex. Hd.	2
5	80-0240	Housing - Live Side	1
6	80-0230	Pin - Actuator	1

Ref. No.	Part No.	Description	No. Used
7	80-0260	Plate - Backing	1
8	80-0270	Lining	2
9	80-0190	Bracket - Floating	1
10	80-0280	Sub-Assy. - Anvil	1
11	32153-11	Nut - Lock	2
12	80-0180	Lever - Cam	1



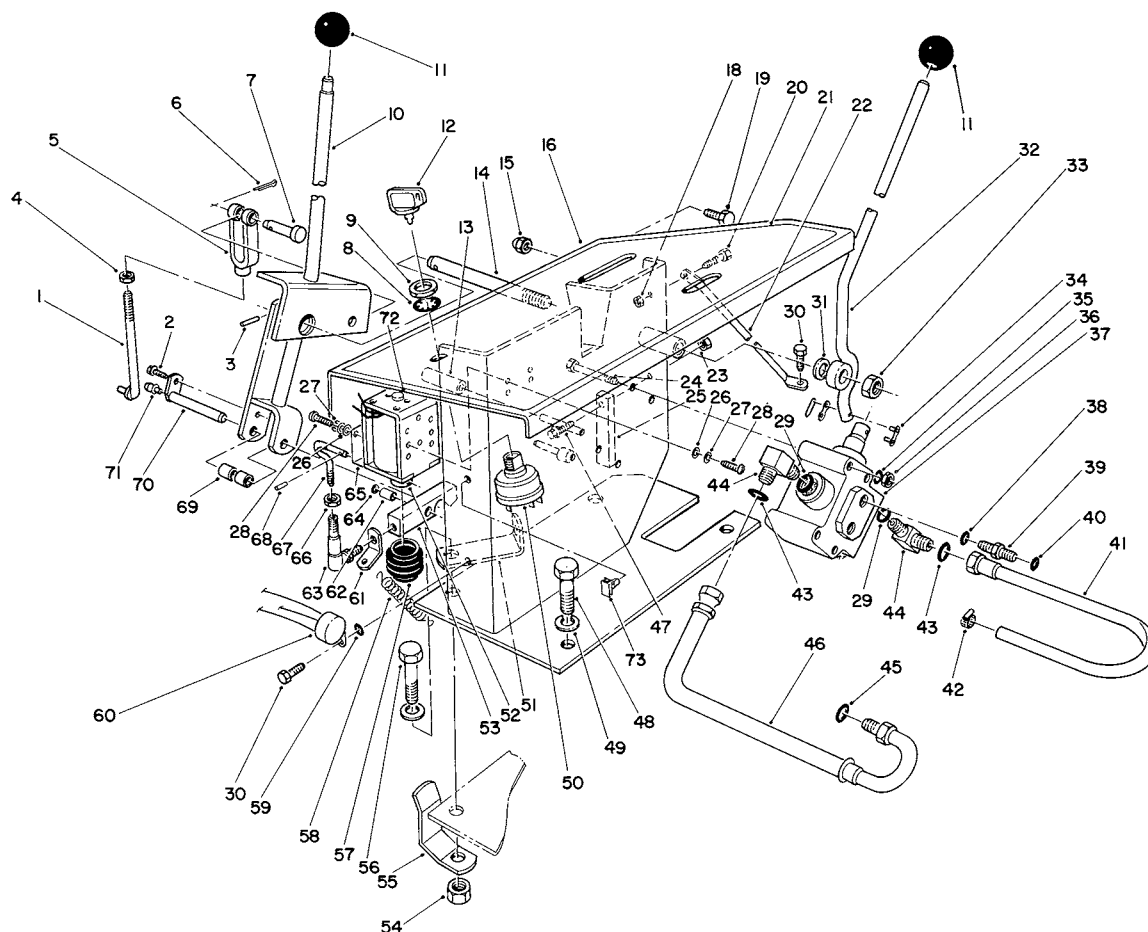
T-1204

ELECTRICAL SCHEMATIC

Ref. No.	Part No.	Description	No. Used
1	66-4660	Wire Harness — Traction	1
2	66-4670	Wire Harness — Head, Coring	1
3	80-3950	Wire Harness — Main	1
†4		Fuse — 20 Amp	1

Ref. No.	Part No.	Description	No. Used
5	28-3860	Battery Cable — Ground	1
6	66-4260	Battery Cable — Positive	1
7	80-3810	Wire Harness — Coring Head Switch	1
8	218-573	Fuse — 5 Amp	1

†Obtain Locally

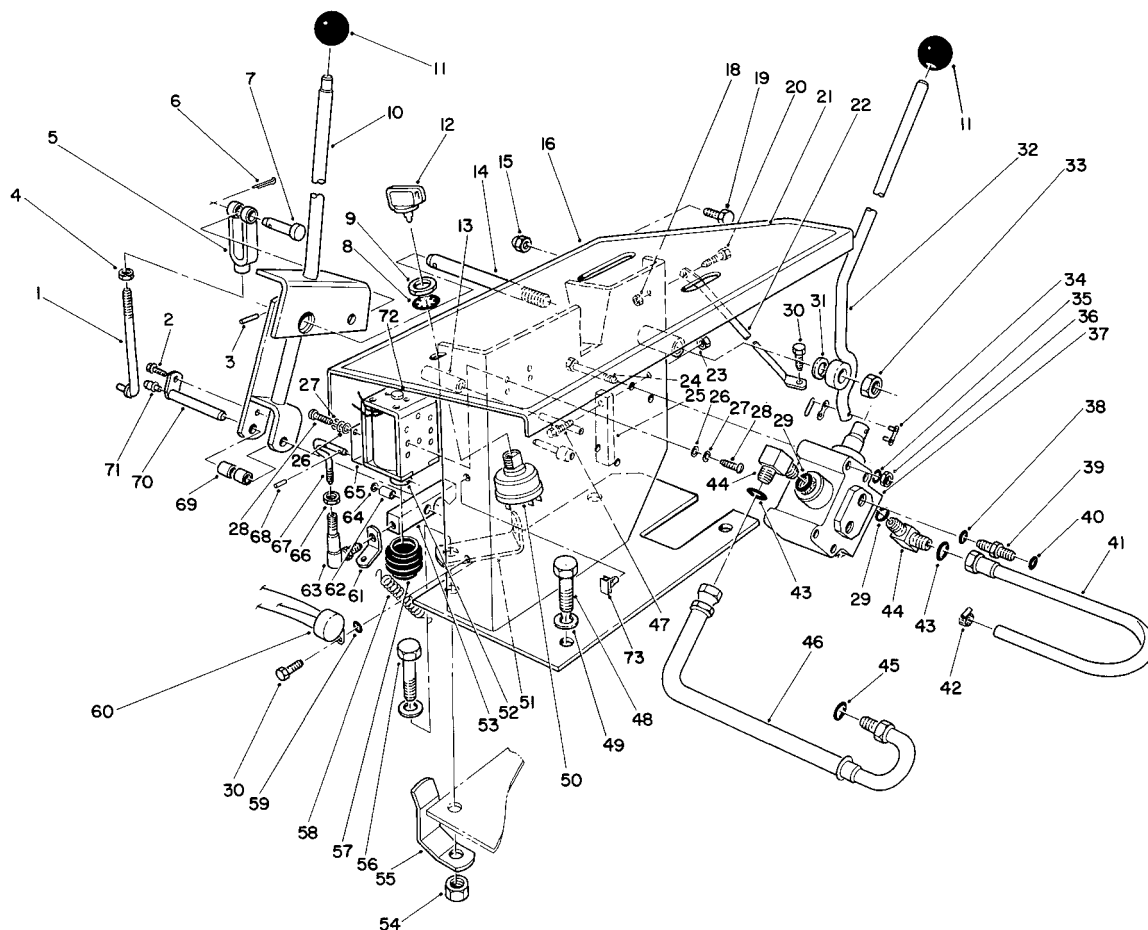


T-0958

CONTROL PANEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	5-1686	Rod - Adjusting	1
2	45-0710	Screw - Backing Plate	1
3	32121-23	Pin - Roll	1
4	3220-3	Nut - Jam	1
5	282-1	Yoke	1
6	3272-6	Pin - Cotter	1
7	283-2	Pin - Clevis	1
8	3254-5	Washer - Lock, Int. Tooth	1
9	218-461	Nut - Hex	1
10	72-8710	Handle & Latch	1
11	233-13	Knob - With Ring	2
12	63-8360	Key	2
13	72-9060	Cushion - Solenoid Stop Latch Pin	1
14	72-8690	Shaft - Traction Clutch	1
15	32111-8	Nut - Lock, Cap	2
16	80-4030	Panel - Control	1
18	32128-33	Nut - Lock	1
19	322-26	Screw - Cap, Hex. Hd.	2
20	321-3	Screw - Cap, Hex. Hd.	1
21	80-3910	Decal - Control	1
22	72-9110	Brace - Control Panel	1
23	3296-12	Nut - Lock	1
24	321-14	Screw - Cap Hex. Hd.	4
25	72-9070	Pad - Bumper	1
26	3256-21	Washer - Flat	8

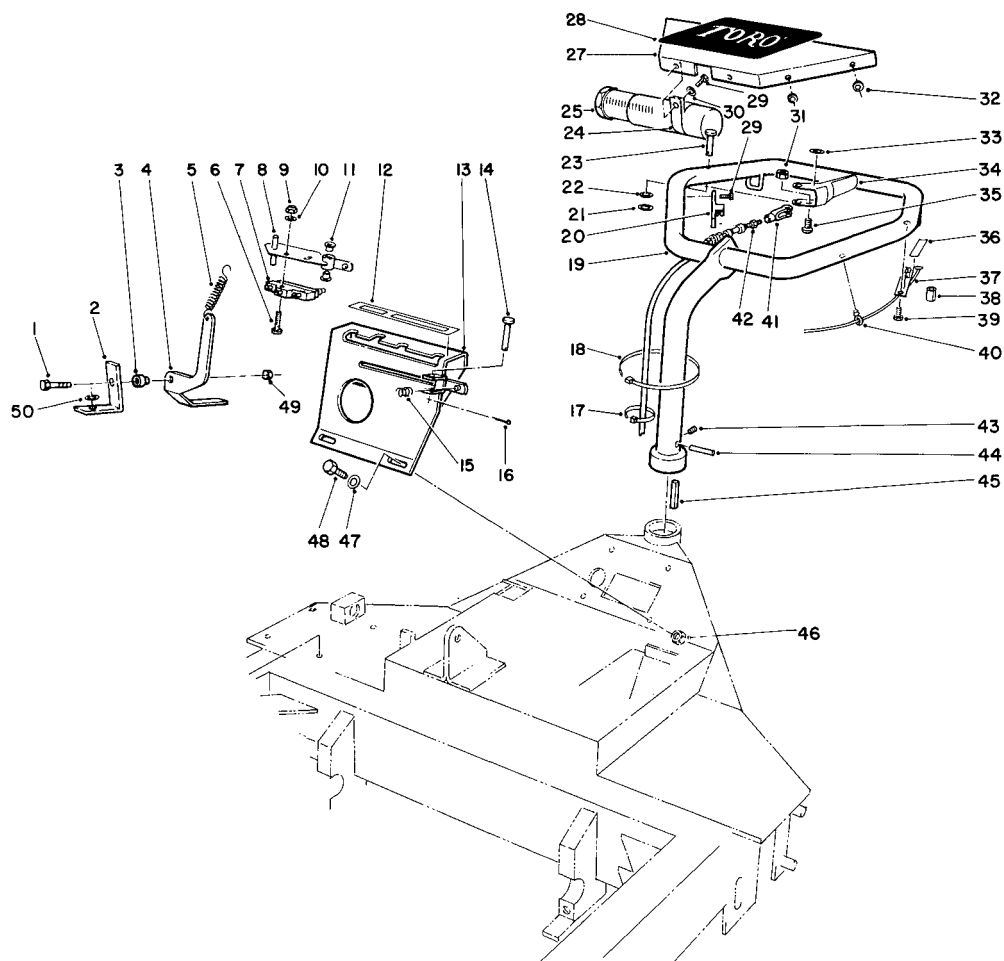
Ref. No.	Part No.	Description	No. Used
27	3253-15	Washer - Lock	6
28	218-462	Screw - Machine	6
29	237-42	Seal - O-Ring	2
30	46-8560	Screw - Hex Hd. Thd. Form	2
31	3256-26	Washer - Flat	1
32	72-8810	Assy. - Handle, Valve	1
33	32153-5	Nut - Lock	1
34	2710-16	Chain - Connecting Link	1
35	3253-3	Washer - Lock	4
36	3217-5	Nut - Hex	4
37	43-1950	Valve - Hydraulic Control	1
38	237-78	O-Ring	2
39	340-92	Fitting - Straight (Incl. Ref. #38 & 40)	2
40	237-21	Seal - O-Ring	2
41	59-4150	Hose - Return	1
42	2412-36	Clamp - Hose	1
43	237-22	O-Ring	2
44	340-77	Fitting - 90° (Inc. Ref. #29 & 43)	2
45	39-7310	O-Ring (Metric)	1
46	59-4140	Hose - Pressure	1
47	3290-126	Screw - Hex Washer Hd.	1
48	323-6	Screw - Cap, Hex. Hd.	3
49	3253-21	Washer - Lock	4



T-0958

CONTROL PANEL ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
50	23-0660	Switch - Starter (Incl. Ref. #8 & 9)	1	62	256-312	Bushing	1
51	72-9080	Bracket - Spring	1	63	18-1720	Ball Joint	1
52	72-4620	Plunger - Solenoid	1	64	3290-418	Nut - Push On	1
53	72-8780	Latch - Clutch Solenoid	1	65	80-3920	Clamp - Boot Solenoid	1
54	32153-2	Nut - Lock	1	66	3296-13	Nut - Lock	1
55	72-9050	Clip - Control Cover	1	67	72-8790	Rod - Solenoid Adjusting	1
56	323-7	Screw - Cap, Hex. Hd.	1	68	32121-90	Pin - Roll	2
57	67-9510	Seal - Dust	1	69	72-9140	Roller - Latch	2
58	66-4160	Spring	1	70	72-9130	Pin - Roller Latch	1
59	3254-8	Washer - Lock, Int. Tooth	1	71	302-18	Fitting - Grease	1
60	66-4500	Module - Interlock	1	72	80-3960	Solenoid Assembly (Incl. Ref. #52)	1
61	72-9090	Bracket - Spring Latch	1	73	80-3940	Clip - Rosebud	1

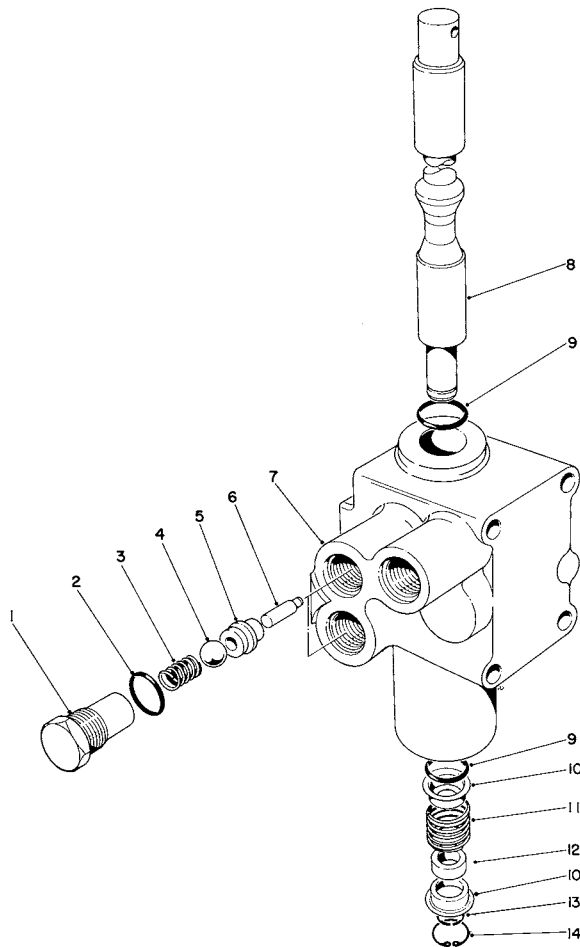


T-0235

HANDLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	329-7	Screw - Cap, Hex. Hd.	1
2	66-9130	Bracket - Throttle	1
3	66-9120	Spacer	1
4	66-3280	Bracket - Throttle Control	1
5	59-3660	Spring - Extension	1
6	32105-17	Screw - Pan Hd. Machine	2
7	29-6162	Switch	1
8	66-4780	Hub & Plate (Incl. Ref. #11)	1
9	3296-9	Nut - Lock	2
10	3256-53	Washer - Flat	2
11	256-301	Bushing	2
12	66-4710	Decal - Shift Pattern	1
13	66-4750	Plate - Shift	1
14	283-66	Pin - Clevis	1
15	66-4850	Spring	1
16	3272-6	Pin - Cotter	1
17	3290-381	Tie - Cable	5
18	3290-379	Tie - Cable	3
19	80-0530	Handle W.A.	1
20	59-9730	Bracket - Cable	1
21	3290-418	Nut - Push On	1
22	3-3287	Spacer - Rubber	1
23	283-11	Pin - Clevis	1
24	2412-133	R-Clamp	2
25	74-0720	Tube	1

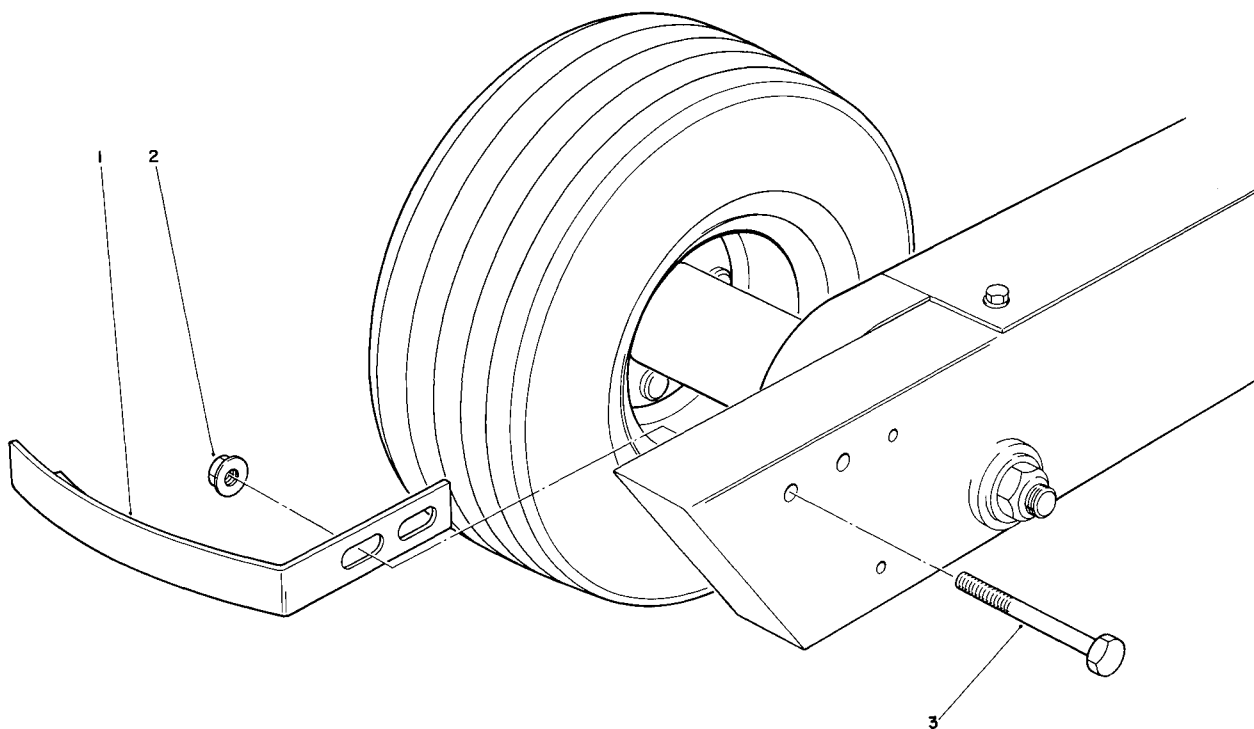
Ref. No.	Part No.	Description	No. Used
27	59-4530	Panel - Handle	1
28	67-7320	Decal - Toro	1
29	32144-64	Screw - Hex. Hd. Self Tap	6
30	3256-61	Washer - Flat	2
31	3296-12	Nut - Hex.	1
32	3256-14	Washer - Flat	2
33	59-9860	Decal - Brake	1
34	59-9560	Handle - Control	1
35	3252-3	Screw - Machine	1
36	59-9870	Decal - Interlock	2
37	40-9690	Interlock Handle & Switch (Incl. Ref. #40)	2
38	72-9030	Cushion - Guard	2
39	32104-17	Screw - Hex Hd. Self Tap.	2
40	17-9120	Mount-Wire	6
41	282-26	Clevis	1
42	59-4410	Cable - Brake	1
43	3247-2	Screw - Set	1
44	32121-49	Pin - Roll	1
45	13-2840	Key	1
46	3296-29	Nut - Lock	4
47	3256-23	Washer - Flat	4
48	322-4	Screw - Cap Hex. Hd	4
49	3296-3	Nut - Lock	1
50	3256-24	Washer - Flat	1



T-0236

CONTROL VALVE NO. 43-1950

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	22-8330	Plug	2	8	22-8420	Spool	1
2	237-42	O-Ring	2	9	22-8500	O-Ring	2
3	22-8340	Spring	2	10	22-8380	Retainer - Spring	2
4	22-8350	Ball	2	11	22-8410	Spring	1
5	22-8370	Seat-Check Valve	2	12	23-3030	Spacer	1
6	22-8360	Pin - Cam	2	13	22-8480	Snap Ring Spool	1
7		Body	1	14	22-8490	Snap Ring	1



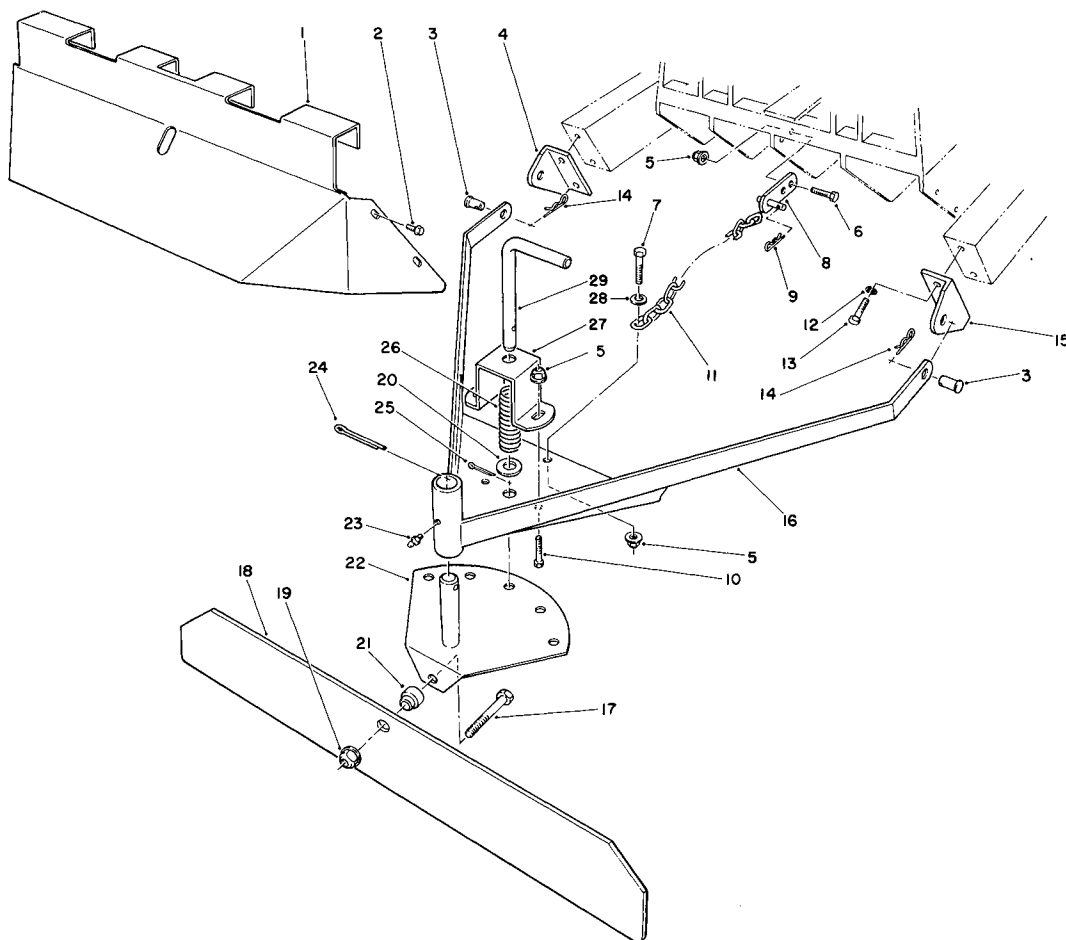
T-0237

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

Ref. No.	Part No.	Description	No. Used
2	32128-19	Nut — Flange	4
3	323-13	Screw — Cap Hex. Hd.	4

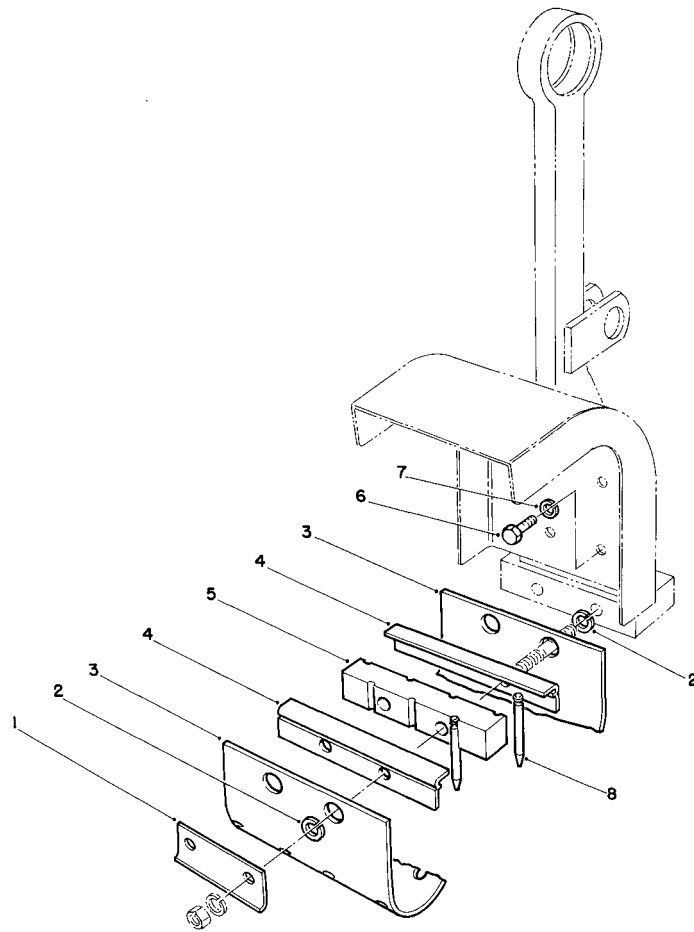
*Not Illustrated



T-0238

WINDROWER KIT MODEL NO. 09150 (Optional)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	60-9840	Deflector — Core	1	16	59-4760	Frame Assembly	1
2	32144-4	Screw — Self Tap Hex Hd.	4	17	325-7	Screw — Cap, Hex Hd.	1
3	283-60	Pin — Clevis	2	18	59-9430	Blade — Windrower	1
4	59-4850	Plate — Hook-Up, R.H.	1	19	32128-27	Nut — Lock, Flange	1
5	32128-25	Nut — Lock, Flange	5	20	3256-26	Washer — Flat	1
6	322-6	Screw — Cap, Hex Hd.	2	21	59-4860	Spacer	1
7	322-5	Screw — Cap, Hex Hd.	1	22	59-4810	Plate — Pivot	1
8	70-2180	Support	1	23	302-5	Fitting — Grease	1
9	3290-250	Pin — Hair	1	24	3272-30	Pin — Cotter	1
10	322-3	Screw — Cap, Hex Hd.	2	25	3272-11	Pin—Cotter	1
11	70-2170	Chain	1	26	46-0740	Spring — Compression	1
12	3253-5	Washer — Lock	4	27	59-9410	Bracket — Lock-Up	1
13	323-6	Screw — Cap, Hex. Hd.	4	28	3256-23	Washer — Flat	3
14	3290-355	Pin — Hair	2	29	59-9420	Pin — Lock-Up	1
15	59-4840	Plate — Hook-Up, L.H.	1				

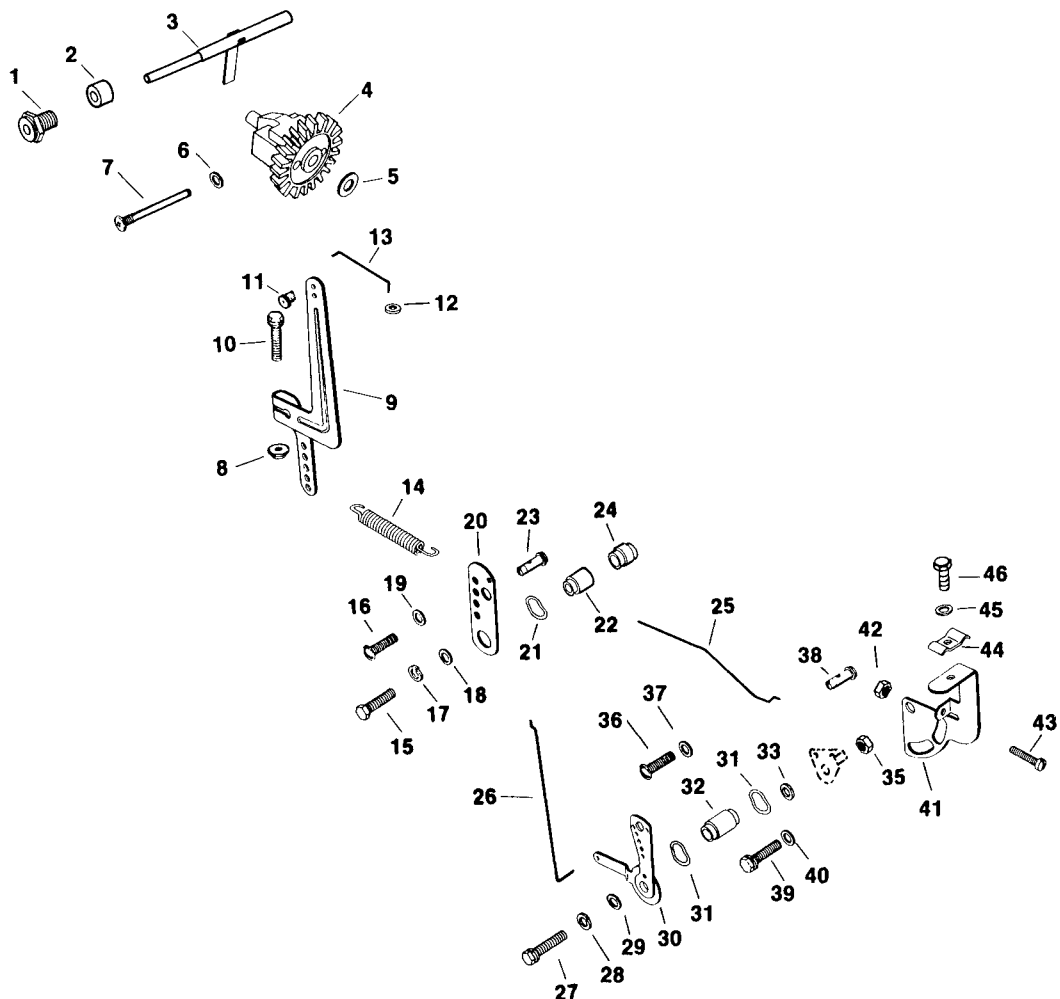


T-1242

SPIKER KIT – 1/4" MODEL NO. 09153 (Optional)

Ref. No.	Part No.	Description	No. Used
1	77-5360	Plate – Tine Holder	4
2	3253-7	Washer – Lock	16
3	77-5380	Guard – Turf (Spiker)	4
4	77-5350	Clamp – Tine	8

Ref. No.	Part No.	Description	No. Used
5	77-5370	Tine – Holder	4
6	323-4	Screw – Cap Hex. Hd.	16
7	3253-21	Washer – Lock	16
8	77-5340	Tine – Spiker	28



T-1174

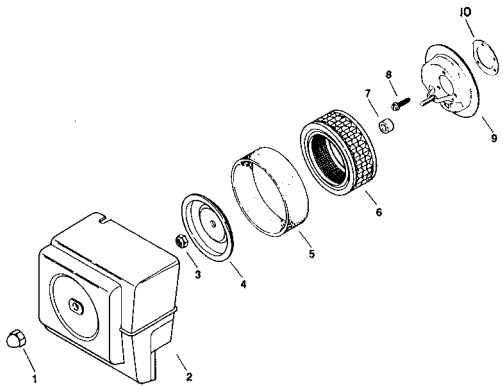
ENGINE KOHLER MODEL NO. M16S SPEC 711559

Ref. No.	Part No.	Description	No. Used
		Governor	
1	235476	Bushing — Governor Shaft	1
2	X-400-80	Spacer	1
3	A-235256-S	Kit Shaft — Governor Cross	
4	A-235743-S	Kit — Governor Gear	1
5	237022	Washer — Thrust	1
6	2546801	Washer — Plain	1
7	231355	Pin — Governor Stop	1
8	X-799-1	Palnut	1
9	4709020	Lever — Governor	1
10	X-776-1	Screw — H.C.	1
11	4715807	Bushing — Linkage Rtnng	1
12	2515809	Bushing — Linkage Rtnng	1
13	4707910	Linkage — Governor (Governor to Carburetor)	1
14	235496	Spring — Governor	1
15	X-5-26	Screw — H.C.	1
16	X-51-8	Screw — Slt'd. 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	4875510	Kit — Clamp	1
24	X-384-2	Spacer	1

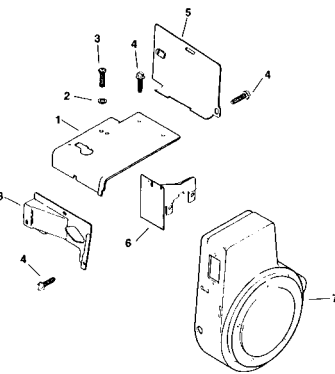
Ref. No.	Part No.	Description	No. Used
25	4707907	Linkage — Throttle (Swivel Clamp-Throttle Control Lever)	1
26	4707901	Linkage — Choke (Carburetor-Choke Shaft)	1
27	X-5-26	Screw — H.C.	1
28	X-20-1	Washer — Lock	1
29	X-25-63	Washer — Plain	1
30	4709006	Lever — Choke Control	1
31	275690	Washer — Wave	2
32	4711202	Spacer	1
33	X-25-82	Washer — Plain	1
34	4709010	Lever — Throttle Control	1
35	X-76-2	Nut — Hex.	1
36	X-51-8	Screw — Slt'd. Pan Hd.	1
37	X-25-102	Washer — Plain	1
38	4875510	Kit — Clamp	1
39	X-132-6	Screw — H.C.	1
40	X-25-72	Washer — Plain	1
41	4712609	Bracket — Choke	1
42	X-72-4	Nut — Hex	1
43	232556	Screw	1
44	210149	Clamp — Swivel	1
45	X-19-1	Washer — Lock	1
46	X-67-38	Screw — Hex. Hd.	1

ENGINE KOHLER MODEL NO. M16S SPEC 711559 (Cont.)

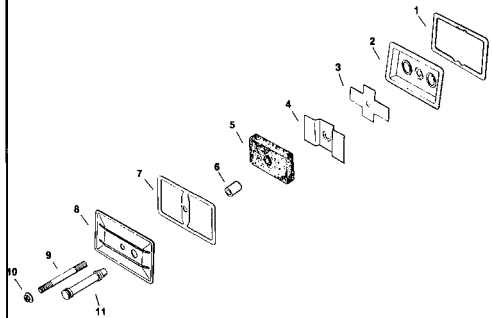
AIR INTAKE
Group - 1



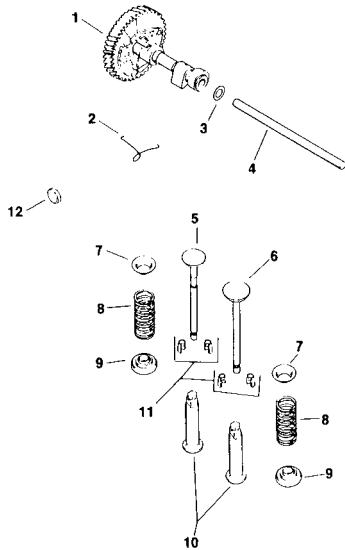
BAFFLES & SHROUD
Group - 2



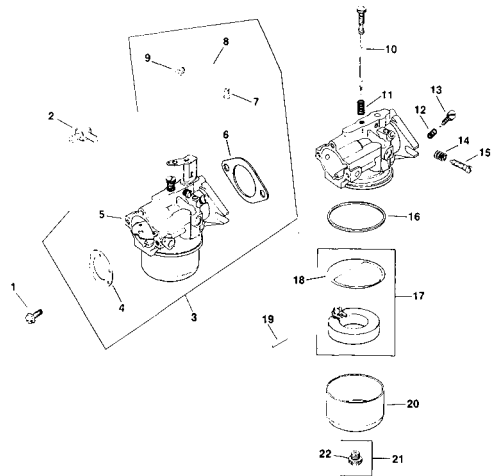
BREATHER VENT
Group - 3



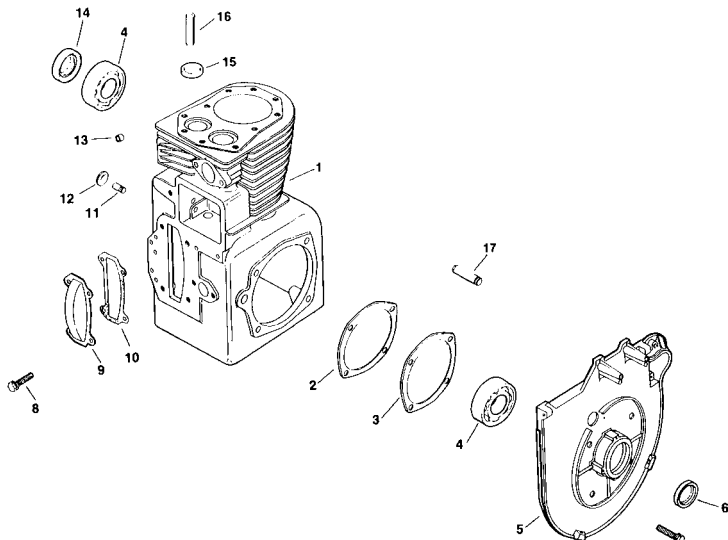
CAMSHAFT & VALVES
Group - 4



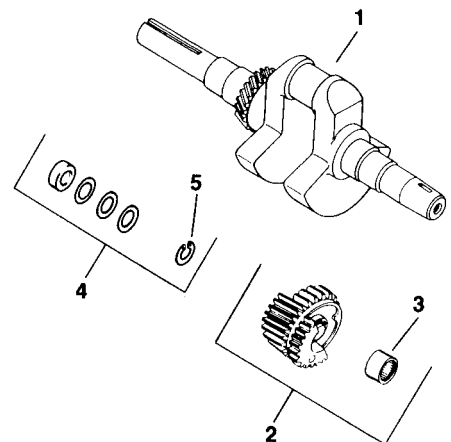
CARBURETOR
Group - 5



CRANKCASE
Group - 7



CRANKSHAFT
Group - 8



T-0240

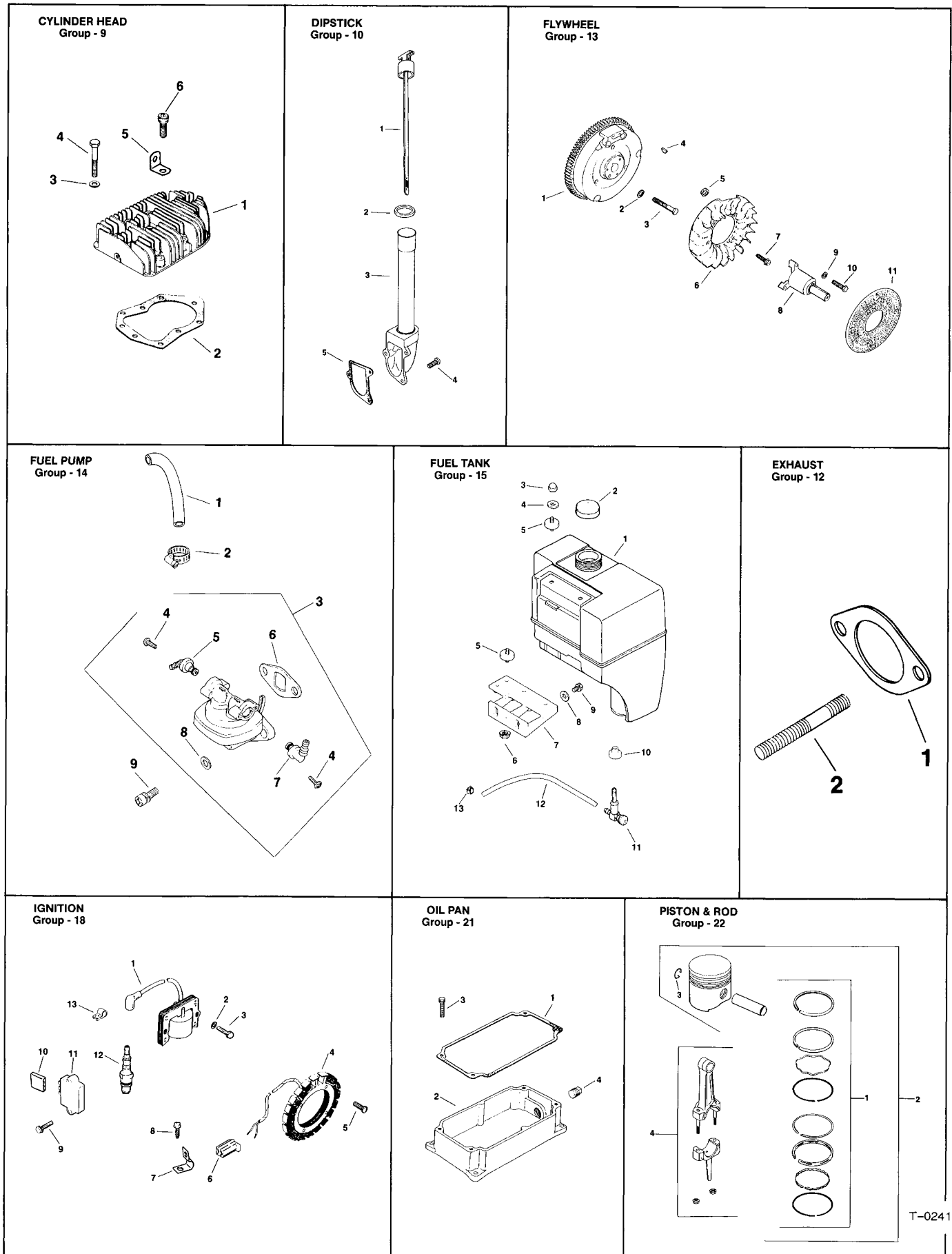
ENGINE KOHLER MODEL NO. M16S SPEC 711559 (Cont.)

Ref. No.	Part No.	Description	No. Used
		Air Intake Group - 1	
1	4510002	Cap Nut	1
2	4709612	Cover — Air Cleaner	1
3	4110004	Nut—Jam	1
4	5208204	Cover—Inner	1
5	4508301	Precleaner — Element	1
6	4508302	Element	1
7	231032	Seal	1
8	X-67-65	Screw — Hex. Washer Hd.	3
9	4509404	Base — Air Cleaner	1
	4111302	Decal —Air Cleaner	1
10	45041 07	Gasket — Air Cleaner	1
		Baffles & Shroud Group - 2	
1	4506307	Baffle — Head	1
2	X-25-53	Washer — Plain	1
3	4708608	Screw — Pozidriv T.H.	1
4	5208611	Screw— Hex. Washer Hd.	6
5	4706310	Baffle — Cylinder	1
6	4706307	Baffle — Inner	1
7	4702742	Blower Housing	1
8	4706312	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	4705001	Filter — Breather	1
6	231032	Seal — Breather	1
7	275144	Gasket — Valve Cover	1
8	4709601	Cover—Valve	1
9	275220	Stud	1
10	X-799-1	Palnut	1
11	4732603	Hose — Breather (3-11/32" Lg.)	1
		Camshaft & Valves Group - 4	
1	4701011	Camshaft Assembly	1
2	4708901	Spring — Actuating	1
3	275066	Spacer.005	A/R
3	275067	Spacer.010	A/R
4	4738009	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	5241301	Rotator	2
10	D-235327	Tappet	2
11	41 75510	Kit — Retainer	1
12	X-702-3	Plug — Cup	1

Ref. No.	Part No.	Description	No. Used
		Carburetor Group - 5	
1	X-770-1	Screw — Slotted Hd.	2
2	2515502	Connector — Hose	1
3	4585312	Kit — Carb. w/Linkage	1
4	4504107	Gasket — Air Cleaner	1
5	4505388	Assembly — Carburetor	1
6	4704901	Gasket — Carburetor	1
7	2515809	Bushing — Gov. Linkage	1
8	4707905	Linkage — Carburetor	1
9	4715807	Bushing	1
10	4510301	Needle — Main Fuel Adj.	1
11	200383	Spring — Main Fuel	1
12	200380	Spring — Idle Fuel	1
13	275231	Needle — Idle Fuel Adj.	1
14	232555	Spring — Idle Speed	1
15	232556	Screw — Idle Speed Adj.	1
16	200375	Gasket — Bowl	1
17	2575703	Kit — Float	1
18	2504102	Gasket — Bowl Baffle	1
19	200376	Pin — Float Hinge	1
20	235448	Bowl — Fuel	1
21	4710006	Screw — Bowl Retainer	1
22	200372	Gasket — Bowl Ret. Screw	1
*	2575702	Kit — Carburetor Repair	1
*	2575705	Kit — Choke & Throttle Repair	1
		Crankcase Group - 7	
1	4578223	Block — Cylinder (Incl. Ref. #13, 15 & 16) (USE: Miniblock)	1
2	4742205	Gasket — Shim	A/R
3	47041 09	Gasket — Bearing Plate	1
4	235376	Bearing—Ball	2
5	4714611	Plate — Bearing	1
6	4703206	Seal — Front Oil	1
7	X-159-2	Screw— H.C.	4
8	X-132-6	Screw— H.C.	4
9	235026	Cover — Camshaft	1
10	235025	Gasket — Camshaft Cover	1
11	235125-5	Shaft — Governor Gear	1
12	X-230-11	Plug — Expansion	1
13	234866	Bearing — Cov. X Shaft	1
14	4703207	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	4514221	Kit — Crankshaft	1
2	4504303	Gear Assembly	2
3	4703001	Bearing — Needle	2
4	4775501	Kit — Spacer	1
5	X-269-34	Retainer	2

*Not Illustrated

ENGINE KOHLER MODEL NO. M16S SPEC 711559 (Cont.)



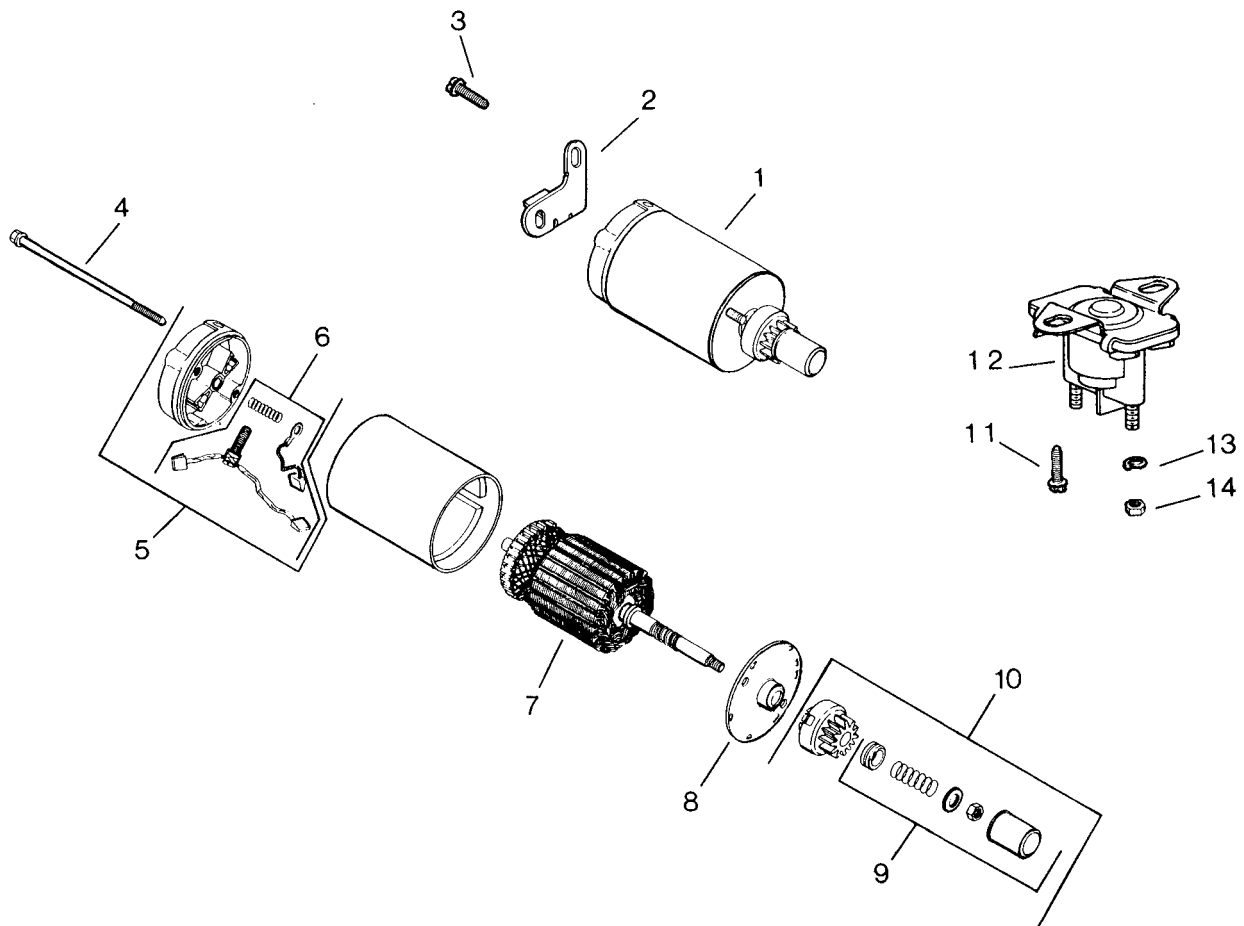
T-0241

ENGINE KOHLER MODEL NO. M16S SPEC 711559 (Cont.)

Ref. No.	Part No.	Description	No. Used
		Cylinder Head Group - 9	
1	4501509	Head — Cylinder	1
2	4504117	Gasket — Head	1
3	270889	Washer — Plain	10
4	270158	Screw— H.C.	9
5	4744502	Strap — Lifting	1
6	4708617	Screw— Hex. Hd.	1
		Dipstick Group - 10	
1	4703827	Dipstick	1
2	4115301	O-Ring	1
3	4702906	Adapter — Oil Fill	1
4	X-131-2	Screw—R.H.	3
5	237064	Gasket — Adapter	1
		Exhaust Group - 12	
1	4504115	Gasket — Exhaust	2
2	4107219	Stud	2
		Flywheel Group - 13	
1	4702553	Flywheel	1
2	5246815	Washer — Plain	1
3	2508624	Screw — Hex. Mach.	1
4	X-46-3	Key — Woodruff	1
5	2511204	Spacer	4
6	2515701	Fan	1
7	2508621	Screw — Hex. Wash. Hd.	4
8	5214419	Shaft — Front Drive	1
9	X-159-2	Screw— H.C.	4
10	2516203	Screen — Grass	1
		Fuel Pump Group - 14	
1	2535301	Hose — Fuel	1
2	X-426-9	Clamp — Hose	2
3	4755908	Assembly — Fuel Pump	1
4	2508635	Screw	2
5	2529402	Fitting & O-Ring 45°	1
6	2504105	Gasket — Fuel Pump	1
7	2529401	Fitting & O-Ring 90°	1
8	X-25-63	Washer — Plain	2
9	X-174-2	Screw — Fil. Hd. Mach. Scr	2
		Fuel Tank Group - 15	
1	4706507	Tank—Fuel	1
2	2517303	Cap—Fuel Tank	1
3	2510004	Nut—Acorn	2
4	X-25-78	Washer — Plain	2
5	4736601	Mount — Isolation	4

Ref. No.	Part No.	Description	No. Used
6	X-799-1	Palnut	2
7	4712630	Bracket—Lower Tank	1
8	X-25-28	Washer — Plain	2
9	X-159-3	Screw — H.C.	2
10	2531301	Bushing — Fuel Tank	1
11	2546203	Valve — Fuel Shut-Off	1
12	4735302	Line—Fuel 19"	1
13	2523701	Clamp	2
		Ignition Group - 18	
1	4758402	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-67-51	Screw — Stator Mounting	1
6	4115503	Connector — Male (2 Contacts)	1
7	X-728-1	Clip — Lead	1
8	X-67-59	Screw — Hex. Wash. Hd.	1
9	X-132-5	Screw — H.C.	2
10	236602	Connector — Female (3 Contacts)	1
11	2575503	Regulator/Rectifier Kit	1
12	235041-S	Spark Plug RH-10	1
13	210281	Clip — Hi-Tension Lead	1
*	4751846	Lead — Violet, Regulator to Connector	1
*	4751838	Lead — Module Connector	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	4510810	Ring Set (Std. & .003)	1
1	4510811	Ring Set (.010)	1
1	4510812	Ring Set (.020)	1
1	4510813	Ring Set (.030)	1
2	4587411	Piston w/Ring Set (Std.)	1
2	4587412	Piston w/Ring Set (.003)	1
2	4587413	Piston w/Ring Set (.010)	1
2	4587414	Piston w/Ring Set (.020)	1
2	4587415	Piston w/Ring Set (.030)	1
3	4701801	Retainer — Piston Pin	2
4	4506724	Connecting Rod (Std.)	1
4	4506725	Connecting Rod (.010)	1

*Not Illustrated



T-0239

ELECTRIC STARTER ENGINE KOHLER MODEL NO. M16S SPEC NO. 711559

Ref. No.	Part No.	Description	No. Used
1	4109804	Starter Assembly (Incl. Ref. #5-11)	1
2	4512617	Brace-Tail	1
3	X-67-62	Screw - Hex Wash. Hd.	2
4	4108619	Bolt - Thru	2
5	41 22704	Cap - Commutator Assy.	1
6	5275515	Kit - Brush	1
7	4517002	Armature	1
8	4122703	Cap-Drive End	1

Ref. No.	Part No.	Description	No. Used
9	4775507	Kit - Drive	1
10	4775513	Kit - Drive Parts	1
11	X-67-83	Screw - Hex Wash. Hd.	2
12	4543507	Solenoid	1
13	X-20-1	Washer - Lock	2
14	X-81-1	Nut-Hex	2
*	2545003	Tag - Caution	1
*	5251803	Lead - Black, Starter to Solenoid	1

*Not Illustrated

PART NUMBER INDEX

Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
3-3287	Spacer	9	61	2	40-9690	Interlock Handle & Switch	22	37	2
3-3287	Spacer - Rubber	22	22	1	43-1950	Valve - Hydraulic Control	20	37	1
3-4685	Washer - Thrust	10	40	2	44-2680	Shaft - Service Retaining	14	22	1
3-7877	Grip - Handle	5	35	1	44-7800	Pump - Steering	10	49	1
5-0786	Key	10	39	2	44-7810	Ring Service Kit Rotor Vane	14	6	1
5-1254	Washer	1	9	4	44-7820	Spring Pressure Plate	14	9	1
5-1686	Rod - Adjusting	20	1	1	44-7830	Pressure Plate	14	8	1
5-2490	Bolt - Shoulder	9	60	2	44-7840	Thrust Plate	14	5	1
5-7290	Spring	17	52	1	44-7850	Ring - Shaft Retaining	14	1	1
7-3328	Bolt - Battery	17	62	2	44-7860	Retaining Ring Service Kit	14	*	1
7-4150	Washer	8	45	2	45-0710	Screw - Backing Plate	20	2	1
10-4850	Spring - Compression	7	5	1	46-0740	Spring - Compression	25	26	1
10-6830	Stud - Drive	8	42	8	46-8560	Screw - Hex Hd. Thd. Form	20	30	2
11-0590	Screw - Thread Forming	10	13	2	46-8560	Screw - Thread Forming	5	46	2
12-3819	Assembly - Damper	4	*	1	46-8560	Screw - Cap Hex. Hd.	8	3	18
12-7499	Engine - 16 hp	16	25	1	48-9470	Screw - Cap Hex Hd.	10	14	2
13-1509	Arm-Tine	3	4	4	53-4420	Decal - Gas	16	19	1
13-2840	Key	16	7	1	54-0910	Decal - Hot Surface	16	34	1
13-2840	Key	22	45	1	59-2070	Bar - Keeper	5	49	2
13-6330	Key	16	45	1	59-2080	Chain - Roller	3	12	2
17-9120	Mount-Wire	22	40	6	59-2090	Chain - Roller	8	40	2
18-1720	Ball Joint	21	63	1	59-2130	Pulley	5	24	1
19-2530	Switch - Start. Safety N.O.	7	1	2	59-2140	Pulley	10	36	1
21-0360	Hex Nut (Metric)	10	45	1	59-2150	Bushing	10	37	1
22-6090	Washer - Thrust	8	14	2	59-2380	Cap - Dust	8	46	2
22-8330	Plug	23	1	2	59-2390	Sprocket	5	47	2
22-8340	Spring	23	3	2	59-2390	Sprocket - Idler	8	33	2
22-8350	Ball	23	4	2	59-2420	Bushing	8	31	2
22-8360	Pin - Cam	23	6	2	59-2430	Nut - Special	9	53	2
22-8370	Seat-Check Valve	23	5	2	59-2500	Block	3	29	8
22-8380	Retainer - Spring	23	10	2	59-2520	Plate - Wear R.H.	3	34	4
22-8410	Spring	23	11	1	59-2550	Plate - Wear L.H.	3	40	4
22-8420	Spool	23	8	1	59-2570	Spacer - Short	6	74	1
22-8480	Snap Ring Spool	23	13	1	59-2580	Spacer - Long	6	72	1
22-8490	Snap Ring	23	14	1	59-2600	Bushing	5	48	4
22-8500	O-Ring	23	9	2	59-2610	Shaft	6	55	2
23-0660	Switch - Starter	21	50	1	59-2620	Eye Bolt	6	54	4
23-3030	Spacer	23	12	1	59-2700	Shaft	8	48	2
27-6390	Gasket	10	22	2	59-2710	Clip - Retaining	3	6	12
28-1400	Battery - 12 Volt	17	60	1	59-2710	Clip - Retaining	5	28	3
28-2480	Washer	8	21	2	59-2770	Rod - Pivot	2	4	2
28-3860	Battery Cable - Ground	19	5	1	59-3110	Sprocket	10	38	2
28-4250	Switch - Neutral N. C.	7	4	1	59-3240	Guard - Chassis R.H.	8	30	1
29-6162	Switch	22	7	1	59-3270	Guard - Sprocket L.H.	8	*	1
36-3920	Spacer	16	26	1	59-3280	Guard - Sprocket R.H.	8	50	1
37-5760	Pulley - Idler	6	71	1	59-3410	Head - Bearing	3	23	4
37-8300	Pin - Pump, Ring Dowel	14	17	2	59-3420	Housing	3	42	4
37-8340	Seal - Drive Shaft	14	21	1	59-3450	Retainer	3	19	4
37-8350	Pump Ring	14	7	1	59-3470	Cushion	3	44	4
37-8360	Seal - O-Ring	14	3	1	59-3480	Cushion	3	16	4
37-8380	End Plate	14	10	1	59-3490	Spring - Compression	2	3	4
37-8400	Pump Reservoir Service Kit	14	16	1	59-3510	Bushing - Short	3	27	8
37-8410	Assembly - Valve, Control	14	19	1	59-3520	Bushing - Long	3	25	4
37-8420	Assy. - Cap, Reservoir	14	12	1	59-3660	Spring - Extension	22	5	1
37-8440	Ring - Retaining	14	11	1	59-3670	Tine - Coring, 5/8"	3	30	12
37-8450	Spring - Flow Control	14	20	1	59-3690	Tine - Coring, 3/8"	3	*	12
37-8460	Seal Service Kit	14	*	1	59-3790	Bushing Assembly	5	26	1
38-1830	Pulley - Steering Pump	10	50	1	59-4040	Assembly - Hub	8	43	2
39-7310	O-Ring (Metric)	20	45	1	59-4100	Brake W.A. - Disc	11	58	1
39-8680	Assembly - Fitting	14	14	1	59-4140	Hose - Pressure	20	46	1
39-8700	Stud Pump Mounting	14	13	2	59-4150	Hose - Return	20	41	1
39-8710	Seal - O-Ring	14	15	1	59-4160	Hose - Cylinder	10	4	1

*Not Illustrated

PART NUMBER INDEX (Continued)

Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
59-4200	V-Belt	10	51	1	63-8360	Key	20	12	2
59-4210	Key	5	27	1	66-3280	Bracket - Throttle Control	22	4	1
59-4220	Deflector - Kickout	3	39	4	66-3290	Plate - Guide Shift	10	23	1
59-4260	Tire Scraper - R.H.	24	*	1	66-3360	Arm W.A. - Brake Clutch	17	55	1
59-4270	Tire Scraper - L.H.	24	1	1	66-3390	Retainer - Brake Spring	11	61	1
59-4310	Spacer	10	47	1	66-3400	Rod - Brake Take-up	11	65	1
59-4320	Spacer	10	16	2	66-3420	Bracket - Spring Brake	17	77	1
59-4320	Spacer	17	72	1	66-3440	Cross Shaft - Clutch	17	56	1
59-4350	Decal - Toro	1	1	1	66-3470	Pulley - Idler	5	3	1
59-4400	Control - Choke	16	12	1	66-3480	Shaft - Idler	5	5	1
59-4410	Cable - Brake	22	42	1	66-3560	Guide - Belt	17	74	1
59-4440	Decal - Greens Aerator	8	4	2	66-3590	Bracket - Drive Take-up	17	70	1
59-4530	Panel - Handle	22	27	1	66-3790	Sprocket	5	18	2
59-4740	Bell Crank	16	10	1	66-3810	Guide W.A. - Belt	6	67	1
59-4760	Frame Assembly	25	16	1	66-3840	Shaft - Power	5	21	1
59-4810	Plate - Pivot	25	22	1	66-3910	Pulley - Engine	16	44	1
59-4840	Plate - Hook-Up, L.H.	25	15	1	66-3920	Bracket - Spring	10	28	1
59-4850	Plate - Hook-Up, R.H.	25	4	1	66-3930	Clevis	10	5	1
59-4860	Spacer	25	21	1	66-4030	Assembly - Crank, Long	3	11	2
59-9410	Bracket - Lock-Up	25	27	1	66-4040	Assembly - Crank, Short	3	22	2
59-9420	Pin - Lock-Up	25	29	1	66-4060	Pin - Idler	1	10	1
59-9430	Blade - Windrower	25	18	1	66-4070	V-Belt	5	33	1
59-9460	Guide	8	27	2	66-4110	Cover - Controls	1	3	1
59-9470	Pad - Battery	17	61	1	66-4120	Cover - Clutch	1	19	1
59-9530	Decal - Throttle	16	20	1	66-4130	Cover - Coring Head	1	2	1
59-9560	Handle - Control	22	34	1	66-4150	Spring	11	62	1
59-9610	Plate - Backup	1	13	5	66-4160	Spring	21	58	1
59-9611	Plate - Backup	1	17	2	66-4180	Spring	17	68	1
59-9620	Cover - Idler	8	35	2	66-4210	Pulley - Idler	17	49	1
59-9630	Spacer	8	39	2	66-4260	Battery Cable - Positive	19	6	1
59-9640	Plate - Handle	6	59	2	66-4270	Spring - Extension	5	12	2
59-9650	Retainer - Bearing	8	22	4	66-4280	Bracket W.A. - Idler R.H.	5	14	1
59-9730	Bracket - Cable	22	20	1	66-4320	Bracket W.A. - Idler L.H.	5	8	1
59-9740	Assembly - Latch	8	29	3	66-4340	V-Belt	17	50	1
59-9750	Assembly - Latch	6	60	2	66-4380	Spacer	5	2	2
59-9770	Tine - Coring, 5/8"	3	*		66-4400	Guide - Belt	17	80	1
59-9860	Decal - Brake	22	33	1	66-4440	Holder - Idler Pin	1	11	1
59-9870	Decal - Interlock	22	36	2	66-4460	Spring	10	26	1
59-9930	Decal - Danger	1	18	1	66-4480	Actuator - Switch	5	41	1
60-9760	Nut - Lock	15	2	1	66-4500	Module - Interlock	21	60	1
60-9840	Deflector - Core	25	1	1	66-4520	Housing - Bearing	16	4	1
60-9870	Screw - Adjustment	6	64	2	66-4530	Bracket - Lockup	9	62	2
60-9920	Screw (Metric)	10	48	1	66-4560	Handle	5	36	1
60-9930	Frame Gauge	9	67	1	66-4590	Transaxle	10	52	1
60-9940	Bolt - U	16	35	2	66-4600	Clevis - Brake	11	71	1
60-9950	Guard - Muffler	16	31	1	66-4630	Muffler	16	30	1
60-9980	Bar	16	36	2	66-4650	Guide - Belt	16	27	1
61-9100	Decal - Refueling	16	21	1	66-4660	Wire Harness - Traction	19	1	1
61-9150	Pulley	16	8	1	66-4670	Wire Harness - Head,	19	2	
61-9160	Stud	3	28	8	66-4680	Spacer	5	30	1
61-9160	Stud	8	10	2	66-4690	Spacer	5	19	1
61-9780	Cap-Hub	8	19	2	66-4710	Decal - Shift Pattern	22	12	1
62-4600	Tine - Coring, 3/4"	3	*	12	66-4730	Bearing	16	3	3
62-4610	Block (For 3/4" Tines)	3	*	8	66-4750	Plate - Shift	22	13	1
62-4660	Assembly - Cylinder	10	20	1	66-4780	Hub & Plate	22	8	1
62-4670	Clevis - Rod	15	16	1	66-4840	Shield - Heat	1	8	1
62-4680	Head	15	12	1	66-4850	Spring	22	15	1
62-4690	Piston	15	3	1	66-8910	Guard - Pulley	5	9	1
62-4700	Rod	15	7	1	66-8980	Assy. - Wear Plate, R.H.	3	35	4
62-4720	Seal Repair Kit	15	*	1	66-8990	Assy. - Wear Plate, L.H.	3	36	4
62-4740	Timing Rod	4	*	4	66-9000	Label - Break-In	16	22	1
62-4800	Handle - Throttle	16	14	1	66-9010	Spring - Compression	3	17	4

*Not Illustrated

PART NUMBER INDEX (Continued)

Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
66-9050	Decal - Shift	16	24	1	80-2830	Housing Switch	7	3	1
66-9070	Guard - Chassis L.H.	8	2	1	80-2840	Plunger - Switch	7	6	1
66-9110	Decal - Start	16	23	1	80-3810	Wire Harness - Coring	19	7	
66-9120	Spacer	22	3	1	80-3810	Wiring Harness - Coring	6	86	1
66-9130	Bracket - Throttle	22	2	1	80-3820	Bracket - Switch	5	44	1
66-9140	Tine - Coring, 1/2"	3	*	12	80-3830	Bolt - Shoulder	3	41	4
67-7320	Decal - Toro	22	28	1	80-3890	Arm - Brake	11	64	1
67-9510	Seal - Dust	21	57	1	80-3910	Decal - Control	20	21	1
68-3110	Tube-Oil	10	31	1	80-3920	Clamp - Boot Solenoid	21	65	1
70-2170	Chain	25	11	1	80-3930	Guard - Switch	6	85	1
70-2180	Support	25	8	1	80-3940	Clip - Rosebud	21	73	1
70-9770	Rod-Ram	3	14	4	80-3950	Wire Harness - Main	19	3	1
72-4620	Plunger - Solenoid	21	52	1	80-3960	Solenoid Assembly	21	72	1
72-4640	Turf Guard - L.H.	2	11	1	80-4020	Bracket - Idler Pulley Pivot	5	53	1
72-4660	Turf Guard - R.H.	2	9	1	80-4030	Panel - Control	20	16	1
72-4680	Turf Guard - Center	2	10	1	82-8020	Clamp	8	6	2
72-4760	O-Ring Seal, Chain	3	15 A/R		84-8480	Sleeve	6	57	2
72-4790	Clamp - Battery	17	63	1	217-60	Rim	9	64	2
72-4860	Bracket - Pump Support	11	56	1	218-331	Boot-Battery	17	57	1
72-8650	Arm - Cross Shaft	16	1	1	218-461	Nut - Hex	20	9	1
72-8690	Shaft - Traction Clutch	20	14	1	218-462	Screw - Machine	20	28	6
72-8710	Handle & Latch	20	10	1	218-573	Fuse - 5 Amp	19	8	1
72-8780	Latch - Clutch Solenoid	21	53	1	2210-275	Gasket	16	28	1
72-8790	Rod - Solenoid Adjusting	21	67	1	231-119	Tire	9	65	2
72-8810	Assy. - Handle, Valve	20	32	1	231-126	Tire	8	15	2
72-8920	Guide - Traction Belt	17	64	1	232-35	Stem - Valve w/Cap	8	24	4
72-9000	Frame	9	63	1	233-13	Knob	10	27	1
72-9030	Cushion - Guard	22	38	2	233-13	Knob - With Ring	20	11	2
72-9040	Wire - Linkage	16	13	1	233-25	Knob	16	15	1
72-9050	Clip - Control Cover	21	55	1	237-21	O-Ring	10	2	2
72-9060	Cushion - Solenoid Stop	20	13	1	237-21	Seal - O-Ring	20	40	2
72-9070	Pad - Bumper	20	25	1	237-22	O-Ring	20	43	2
72-9080	Bracket - Spring	21	51	1	237-42	O-Ring	11	74	2
72-9090	Bracket - Spring Latch	21	61	1	237-42	O-Ring	23	2	2
72-9100	Coring Head W.A.	6	68	1	237-42	Seal - O-Ring	20	29	2
72-9110	Brace - Control Panel	20	22	1	237-78	O-Ring	20	38	2
72-9120	Pan - Engine Oil Drain	10	10	1	237-125	Grommet	17	78	1
72-9130	Pin - Roller Latch	21	70	1	241-123	Rim	8	16	2
72-9140	Roller - Latch	21	69	2	242-50	Nut - Lug	8	1	8
74-0720	Tube	22	25	1	249-38	Keeper	1	16	2
76-2300	Hose - Cylinder	10	3	1	249-40	Keeper	1	14	3
76-2370	Guard - Chairn	6	76	2	2412-36	Clamp - Hose	20	42	1
76-2590	Brake - Caliper	11	63	1	2412-68	R-Clamp	6	70	1
76-2610	Arm W.A. - Brake	17	79	1	2412-133	R-Clamp	22	24	2
76-2620	Bracket W.A.	10	8	1	251-297	Bearing	5	4	6
77-5320	Tine - Spiker, 5/16"	3	*	12	251-297	Bearing - Ball	8	34	4
77-5340	Tine - Spiker	26	8	28	251-312	Bearing	3	5	8
77-5350	Clamp - Tine	26	4	8	251-312	Bearing	5	20	1
77-5360	Plate - Tine Holder	26	1	4	251-313	Bearing	5	31	1
77-5370	Tine - Holder	26	5	4	252-105	Bearing - Roller	8	23	4
77-5380	Guard - Turf (Spiker)	26	3	4	253-158	Seal - Shaft	8	49	2
80-0090	Pin - Groove	18	3	1	253-166	Seal	5	38	1
80-0180	Lever - Cam	18	12	1	254-61	Cup - Bearing	8	7	2
80-0190	Bracket - Floating	18	9	1	254-62	Cone - Bearing	8	9	1
80-0210	Pin - Adjustment	18	1	1	254-70	Cone - Bearing	8	8	1
80-0230	Pin - Actuator	18	6	1	254-105	Bearing - Roller	8	44	4
80-0240	Housing - Live Side	18	5	1	256-216	Bushing	17	69	2
80-0260	Plate - Backing	18	7	1	256-301	Bushing	22	11	2
80-0270	Lining	18	8	2	256-312	Bushing	21	62	1
80-0280	Sub-Assy. - Anvil	18	10	1	256-319	Bushing - Split	6	56	2
80-0530	Handle W.A.	22	19	1	2710-16	Chain - Connecting Link	20	34	1
80-2710	Assembly - Front Axle	8	13	1	2710-16	Link - Connecting	8	41	2

*Not Illustrated

PART NUMBER INDEX (Continued)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
2710-20	Link - Single Pitch	9 66 2	325-13	Screw- Cap Hex. Hd.	8 37 2
281-1	Plug - Oil	10 30 1	329-7	Screw - Cap, Hex. Hd.	22 1 1
281-2	Plug - Pipe	10 24 1	3211-10	Screw - Cap Hex. Hd.	18 4 2
282-1	Clevis	2 7 4	3211-12	Screw-Cap Hex Hd.	2 1 4
282-1	Yoke	20 5 1	3212-8	Screw - Cap Hex Hd.	16 48 1
282-26	Clevis	22 41 1	3217-5	Nut - Hex	16 37 2
283-2	Pin - Clevis	2 8 4	3217-5	Nut - Hex	20 36 4
283-2	Pin - Clevis	11 69 1	3217-7	Nut	10 53 4
283-2	Pin - Clevis	20 7 1	3217-9	Nut-Hex	3 32 8
283-11	Pin - Clevis	22 23 1	3217-26	Nut - Jam	5 43 1
283-60	Pin - Clevis	25 3 2	3218-1	Nut - Jam	5 10 2
283-66	Pin - Clevis	22 14 1	3218-2	Nut - Jam	1 5 1
283-67	Pin - Clevis	11 70 1	3218-2	Nut - Jam	17 53 1
283-74	Pin - Clevis	10 9 2	3218-3	Nut - Jam	10 17 1
287-13	Link - Connecting	3 13 2	3218-5	Nut - Jam	6 63 2
2811-10	Elbow - Street	10 32 1	3218-6	Nut - Jam	3 24 4
302-5	Fitting - Grease	3 43 4	3219-1	Nut - Hex.	11 60 3
302-5	Fitting - Grease	8 17 3	3219-3	Nut	2 6 4
302-5	Fitting - Grease	25 23 1	3220-1	Nut - Jam	11 59 2
302-10	Grease Fitting	8 47 2	3220-3	Nut - Jam	20 4 1
302-18	Fitting - Grease	21 71 1	3220-4	Nut - Jam	18 2 1
302-22	Fitting - Grease	7 2 1	3220-7	Nut - Jam	15 15 1
321-2	Screw - Cap Hex Hd.	17 76 1	3242-9	Screw - Set, Sq. Hd.	17 54 1
321-3	Screw - Cap, Hex. Hd.	20 20 1	3243-9	Screw - Set, Sq. Hd.	11 55 1
321-3	Screw- Cap Hex Hd.	16 32 3	3245-2	Screw - Set	5 25 1
321-4	Screw - Cap, Hex. Hd.	10 12 4	3245-2	Screw - Set	16 9 2
321-5	Screw- Cap Hex Hd.	17 65 1	3245-33	Screw - Set	11 57 2
321-6	Screw - Cap, Hex Hd.	8 25 2	3247-2	Screw - Set	10 42 4
321-9	Screw - Cap Hex Hd.	16 18 1	3247-2	Screw - Set	22 43 1
321-13	Screw - Cap, Hex. Hd.	10 34 3	3252-3	Screw - Machine	22 35 1
321-14	Screw - Cap Hex. Hd.	20 24 4	3253-3	Washer - Lock	10 35 3
321-33	Screw - Cap, Hex. Hd.	6 78 2	3253-3	Washer - Lock	16 17 2
321-43	Screw - Cap, Hex. Hd.	5 11 2	3253-3	Washer - Lock	20 35 4
322-2	Screw - Cap Hex Hd.	1 4 1	3253-4	Washer - Lock	5 34 3
322-3	Screw - Cap, Hex Hd.	25 10 2	3253-4	Washer - Lock	16 39 1
322-4	Screw - Cap Hex. Hd	22 48 4	3253-5	Washer - Lock	25 12 4
322-5	Screw - Cap, Hex Hd.	25 7 1	3253-6	Washer - Lock	10 15 3
322-5	Screw - Cap, Hex. Hd.	10 43 4	3253-6	Washer - Lock	16 47 1
322-6	Screw - Cap, Hex Hd.	25 6 2	3253-7	Washer - Lock	3 31 8
322-7	Screw - Cap, Hex. Hd.	5 32 3	3253-7	Washer - Lock	8 38 2
322-12	Screw - Cap Hex Hd.	16 38 1	3253-7	Washer - Lock	26 2 16
322-26	Screw - Cap, Hex. Hd.	20 19 2	3253-12	Washer - Lock	6 80 2
323-4	Screw - Cap Hex Hd.	17 73 4	3253-15	Washer - Lock	20 27 6
323-4	Screw - Cap Hex. Hd.	26 6 16	3253-21	Washer - Lock	3 7 52
323-4	Screw - Cap, Hex. Hd.	6 66 2	3253-21	Washer - Lock	5 7 9
323-5	Screw - Cap Hex Hd.	16 42 2	3253-21	Washer - Lock	10 7 8
323-5	Screw - Cap, Hex. Hd.	10 41 2	3253-21	Washer - Lock	16 5 10
323-6	Screw - Cap Hex Hd.	3 37 8	3253-21	Washer - Lock	20 49 4
323-6	Screw - Cap, Hex. Hd.	5 6 2	3253-21	Washer - Lock	26 7 16
323-6	Screw - Cap, Hex. Hd.	10 6 3	3254-1	Washer - Lock	16 33 1
323-6	Screw - Cap, Hex. Hd.	20 48 3	3254-5	Washer - Lock, Int. Tooth	20 8 1
323-6	Screw - Cap, Hex. Hd.	25 13 4	3254-8	Washer - Lock, Int. Tooth	21 59 1
323-7	Screw - Cap Hex. Hd.	6 87 1	3254-8	Washer - Lock, Int. Tooth	17 58 3
323-7	Screw - Cap Hex Hd.	16 6 4	3255-5	Washer - Lock, Int. Tooth	16 11 1
323-7	Screw - Cap, Hex. Hd.	21 56 1	3256-2	Washer - Flat	17 83 6
323-10	Screw - Cap, Hex. Hd.	11 54 4	3256-4	Washer - Flat	2 2 4
323-11	Screw - Cap Hex Hd.	3 38 8	3256-6	Washer - Flat	16 46 1
323-12	Screw - Cap Hex Hd.	17 51 1	3256-14	Washer - Flat	22 32 2
323-13	Screw - Cap Hex. Hd.	24 3 4	3256-21	Washer - Flat	20 26 8
323-20	Screw - Cap, Hex. Hd.	5 52 2	3256-22	Washer - Flat	8 26 2
323-25	Screw - Cap, Hex. Hd.	5 40 1	3256-22	Washer - Flat	16 16 6
325-7	Screw - Cap, Hex Hd.	25 17 1	3256-23	Washer - Flat	16 40 1

*Not Illustrated

PART NUMBER INDEX (Continued)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
3256-23	Washer - Flat	22 47 4	3296-12	Nut - Lock	5 45 2
3256-23	Washer - Flat	25 28 3	3296-12	Nut - Lock	20 23 1
3256-24	Washer - Flat	5 39 4	3296-13	Nut - Lock	21 66 1
3256-24	Washer - Flat	16 43 5	3296-15	Nut - Lock	9 52 2
3256-24	Washer - Flat	22 50 1	3296-16	Nut - Lock	11 67 2
3256-25	Washer - Flat	10 46 1	3296-22	Washer - Flat	11 73 3
3256-25	Washer - Flat	16 41 1	3296-23	Nut - Lock	5 50 8
3256-26	Washer - Flat	2 12 6	3296-29	Nut - Lock	22 46 4
3256-26	Washer - Flat	5 51 4	3296-39	Nut - Lock	17 71 1
3256-26	Washer - Flat	8 36 2	3296-42	Nut - Lock	6 77 2
3256-26	Washer - Flat	20 31 1	3296-42	Nut - Lock	9 54 2
3256-26	Washer - Flat	25 20 1	3296-42	Nut - Lock	10 11 2
3256-44	Washer - Flat	3 2 8	3296-42	Nut - Lock	17 75 1
3256-44	Washer - Flat	5 17 2	3296-44	Nut-Lock	3 26 4
3256-53	Washer - Flat	22 10 2	3296-45	Nut - Lock	8 5 2
3256-61	Washer - Flat	22 30 2	3296-59	Nut - Lock	6 65 2
3256-69	Washer - Flat	16 2 11	3296-67	Nut - Hex	3 1 8
3257-5	Key	10 33 2	3296-67	Nut - Lock	5 16 2
3269-3	Rivet - Pop	3 33 24	3296-68	Nut - Lock	8 11 1
3269-4	Rivet - Pop	1 15 4	32103-12	Nut-Wing	17 59 2
3269-4	Rivet - Pop	6 62 4	32104-17	Screw - Hex Hd. Self Tap.	22 39 2
3269-8	Rivet - Pop	1 7 10	32104-17	Screw - Hex Hd. Self-Tap	17 66 1
3269-17	Rivet-Pop	1 20 4	32105-8	Screw - Washer Head	6 81 2
3272-4	Pin - Cotter	11 68 1	32105-17	Screw - Pan Hd. Machine	22 6 2
3272-4	Pin - Cotter	11 72 1	32111-8	Cap & Locknut	1 6 1
3272-6	Pin - Cotter	2 5 8	32111-8	Nut - Lock, Cap	20 15 2
3272-6	Pin - Cotter	17 84 1	32120-11	Ring - Retaining	5 1 6
3272-6	Pin - Cotter	20 6 1	32120-11	Ring - Retaining	8 32 4
3272-6	Pin - Cotter	22 16 1	32120-22	Ring - Retaining	3 3 16
3272-11	Pin-Cotter	25 25 1	32120-65	Ring - Retaining	15 14 1
3272-12	Pin-Cotter	10 18 2	32121-16	Pin - Roll	17 67 3
3272-13	Pin - Cotter	8 20 4	32121-20	Pin - Roll	10 21 1
3272-30	Pin - Cotter	25 24 1	32121-23	Pin - Roll	20 3 1
3274-7	Screw - Cap, Socket Hd.	5 29 3	32121-49	Pin - Roll	22 44 1
3274-7	Screw - Hex Socket Hd.	3 10 12	32121-90	Pin - Roll	21 68 2
3274-26	Screw - Socket Hd.	10 25 3	32128-19	Nut - Flange	24 2 4
3274-50	Screw - Cap, Socket Hd.	5 23 4	32128-19	Nut - Lock, Flange Hd.	6 69 3
3274-50	Screw - Hex Socket Hd.	3 8 24	32128-25	Nut - Lock, Flange	25 5 5
3289-4	Screw - Flat Hd. Hex. Soc.	6 79 2	32128-27	Nut - Lock, Flange	25 19 1
3290-126	Screw - Hex Washer Hd.	20 47 1	32128-33	Nut - Flange	6 82 2
3290-224	Washer - Lock, Pyramidal	6 73 2	32128-33	Nut - Lock	20 18 1
3290-224	Washer - Pyramidal	4 45 4	32136-5	Nut - Hex Slotted	8 18 4
3290-224	Washer - Pyramidal	10 29 1	32140-29	Screw - Washer Hd.	6 61 4
3290-238	Washer - Pyramidal	10 44 4	32144-4	Screw - Self Tap Hex Hd.	25 2 4
3290-250	Pin - Hair	25 9 1	32144-57	Screw - Hex Hd. Thread	17 81 2
3290-271	Rivet - Pop	9 55 2	32144-64	Screw - Hex Hd. Self-Tap	17 82 1
3290-355	Pin - Hair	25 14 2	32144-64	Screw - Hex. Hd. Self Tap	22 29 6
3290-355	Pin - Hair, Cotter	1 12 1	32144-73	Screw - Hex. Washer Head	6 83 1
3290-359	Screw - Machine, Hex. Hd.	5 13 2	32151-54	Ring - Retaining	7 7 1
3290-360	Screw - Hex. Head	5 42 1	32151-75	Ring - Retaining	3 20 4
3290-378	Tie - Cable	6 84 1	32151-77	Ring - Retaining	6 58 2
3290-379	Tie - Cable	10 19 1	32153-2	Nut - Lock	5 15 2
3290-379	Tie - Cable	22 18 3	32153-2	Nut - Lock	21 54 1
3290-381	Tie - Cable	22 17 5	32153-3	Nut - Lock	16 29 2
3290-418	Nut - Push On	21 64 1	32153-4	Nut - Hex. Lock	17 85 4
3290-418	Nut - Push On	22 21 1	32153-5	Nut - Lock	20 33 1
3296-3	Nut - Lock	22 49 1	32153-11	Nut - Lock	18 11 2
3296-8	Rivet - Pop	8 28 4	340-77	Fitting - 90°	20 44 2
3296-9	Nut - Lock	22 9 2	340-82	Fitting	10 1
3296-12	Nut - Hex.	22 31 1	340-92	Fitting - Straight	20 39 2

*Not Illustrated

PRODUCT CHANGES

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

IDENTIFICATION AND ORDERING

MODEL AND SERIAL NUMBERS

The Greens Aerator traction unit and coring head each have two identification numbers: a model number and a serial number. The two numbers are stamped on a plate which is riveted to each frame member. In any correspondence concerning the Greens Aerator, supply model and serial numbers to assure that correct information and replacement parts are obtained.

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

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

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

COUNTRIES OTHER THAN THE UNITED STATES OR CANADA

Customers who have purchased TORO products exported from the United States or Canada should contact their Toro Distributor (Dealer) to obtain guarantee policies for your country, province or state. If for any

reason you are dissatisfied with your Distributor's service or have difficulty obtaining guarantee information, contact the TORO importer. If all other remedies fail, you may contact us at The Toro Company.

TABLE OF CONTENTS

Description	Page	Description	Page
Cover Assembly	1	Electrical Schematic	19
Turf Guard Assembly	2	Control Panel Assembly	20-21
Tine Arm & Crank Assembly	3-4	Handle Assembly	22
Coring Head Drive Assembly	5-6	Control Valve No. 43-1950	23
Switch Assembly - Coring Head	7	Tire Scraper Model No 09151 (Optional)	24
Chassis Assembly	8-9	Windrower Kit Model No. 09150 (Optional)	25
Transaxle, Brake & Pump Assembly	10-11	Spiker Kit	26
Transaxle Assembly Model No. 2361A	12-13	Engine Kohler Model No. M16S	
Pump Assembly No. 44-7800	14	Spec 711559	27-31
Hydraulic Cylinder Assembly No. 62-4660	15	Electric Starter Engine Kohler Model No. M16S	
Clutch & Engine Assembly	16-17	Spec 711559	32
Brake Caliper Assembly No. 76-2590	18	Part Number Index	33-37

MAINTENANCE RECORD

[illegible]

MAINTENANCE RECORD

[illegible]

Compliance with Radio Interference Regulations Certified.
Certifie Conforme au Reglement sur le Brouillage Radioelectrique.