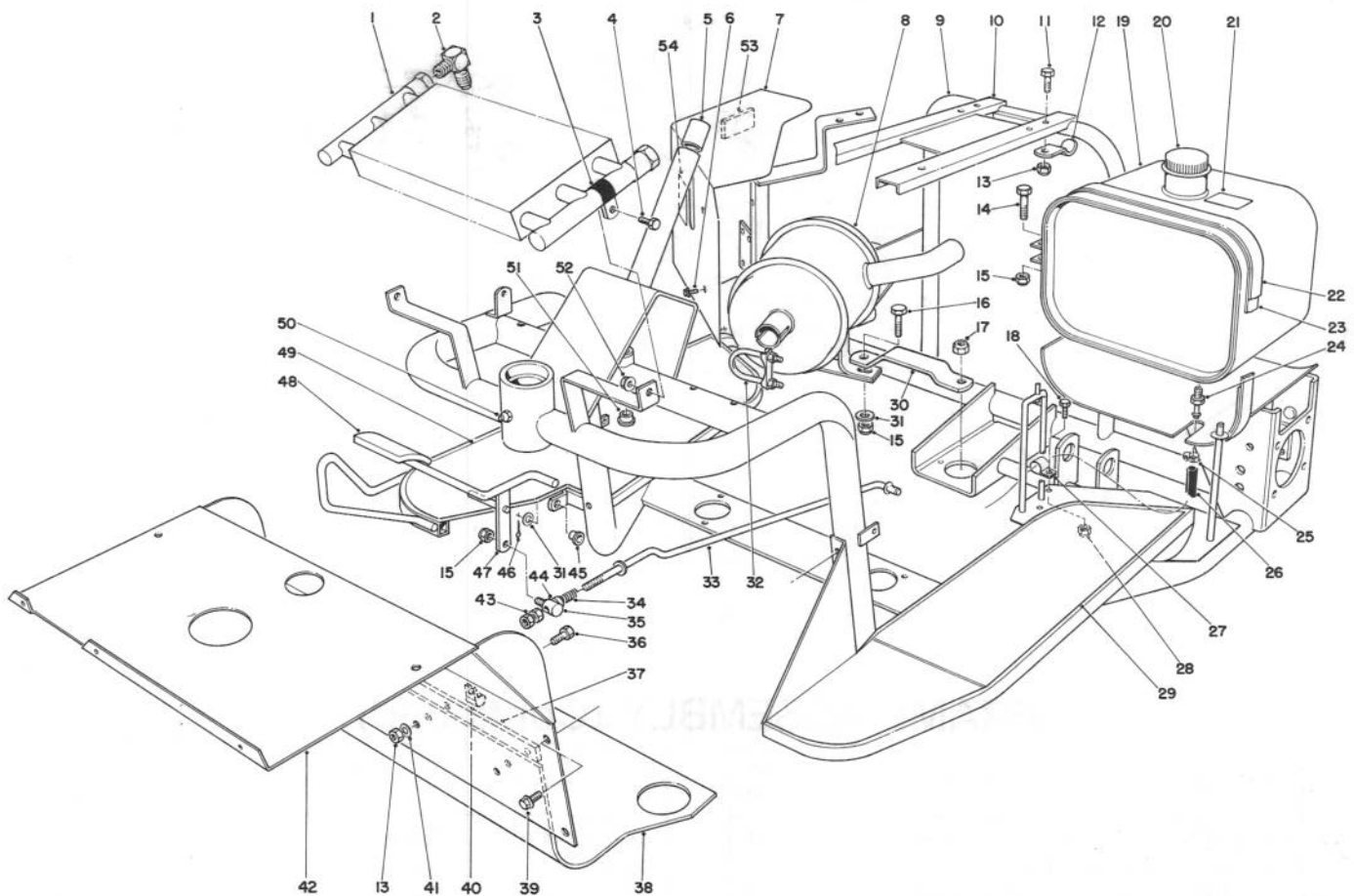


TORO®

MODEL NO. 08880-10001 & UP

PARTS CATALOG

SAND PRO® 14



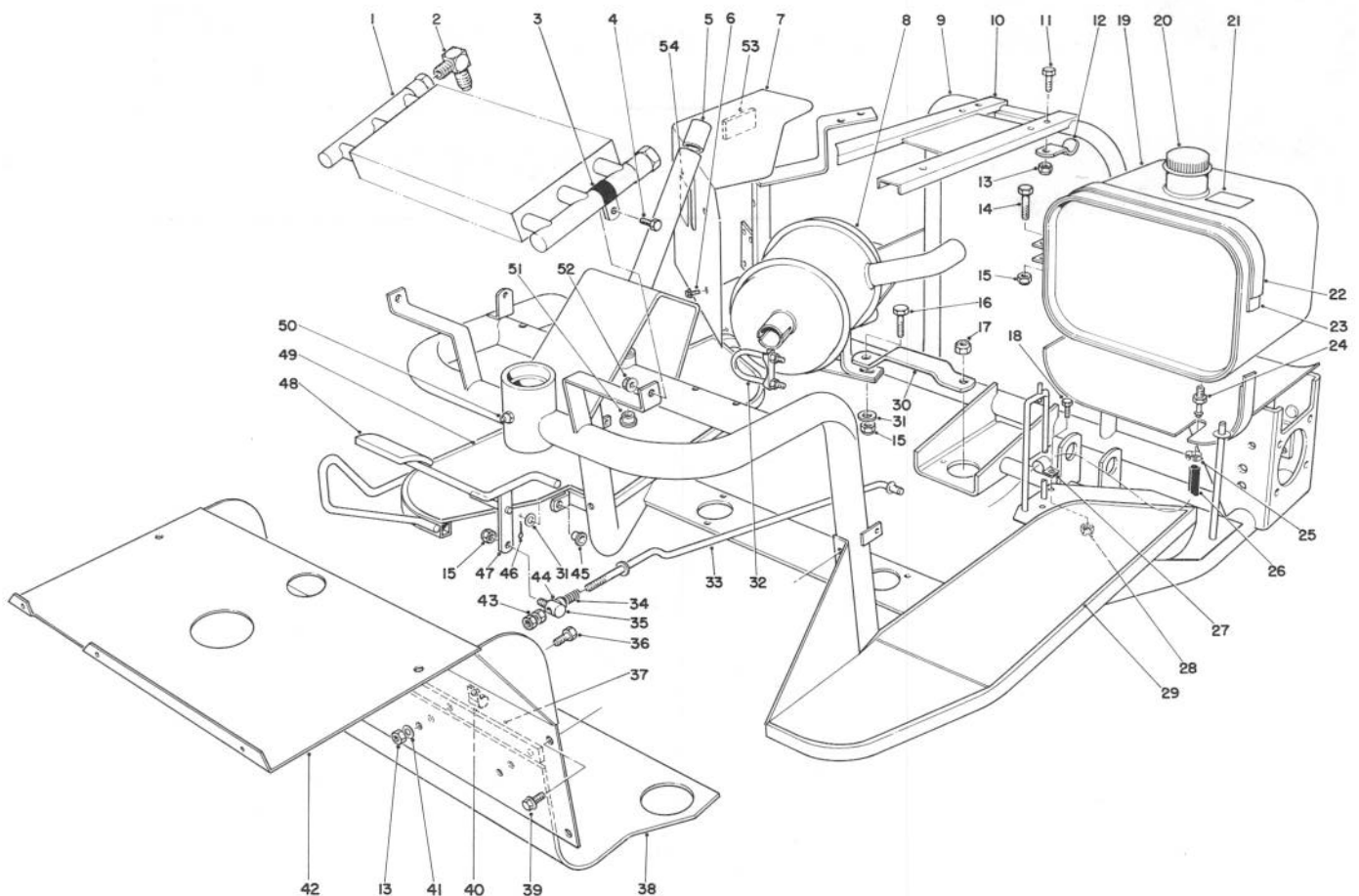
T-0243

FRAME ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	24-0760	Cooler - Oil	1
2	353-372	Fitting - 90°	2
3	2412-39	R-Clamp	2
4	323-6	Screw - Cap, Hex. Hd.	2
5	256-185	Bushing	1
6	32104-76	Screw - Self Tapping	2
7	49-9930	Shroud - Valve	1
8	51-0700	Muffler	1
*	51-0990	Spark Arrestor - Muffler	1
9	80-1500	Frame	1
		(Incl. Ref. #5, 45 & 51)	
10	51-0760	Channel - Seat	1
11	322-3	Screw - Cap, Hex Hd.	2
12	10-9240	Clamp - Seat	2
13	3296-29	Nut - Lock	5
14	323-13	Screw - Cap, Hex Hd.	2
15	3296-44	Nut - Lock	4

Ref. No.	Part No.	Description	No. Used
16	323-7	Screw - Cap, Hex Hd.	1
17	3296-5	Nut - Lock	1
18	321-4	Screw - Cap, Hex Hd.	1
19	49-9790	Tank - Gas	1
		(Incl. Ref. #20)	
20	222-8	Cap - Gas	1
21	53-4420	Decal - Gas	1
22	49-9650	Strap - Tank	2
23	49-9780	Strip - Felt	2
24	353-711	Fitting - Straight	1
25	2412-108	Clamp - Worm Drive	1
26	44-2670	Hose - Gas	1
27	2412-73	R-Clamp	1
28	3296-42	Nut - Lock	1
29	51-0580	Pad - Foot Rest, L.H.	1
30	49-9580	Bracket - Muffler	1
31	3256-24	Washer - Flat	2

*Not Illustrated

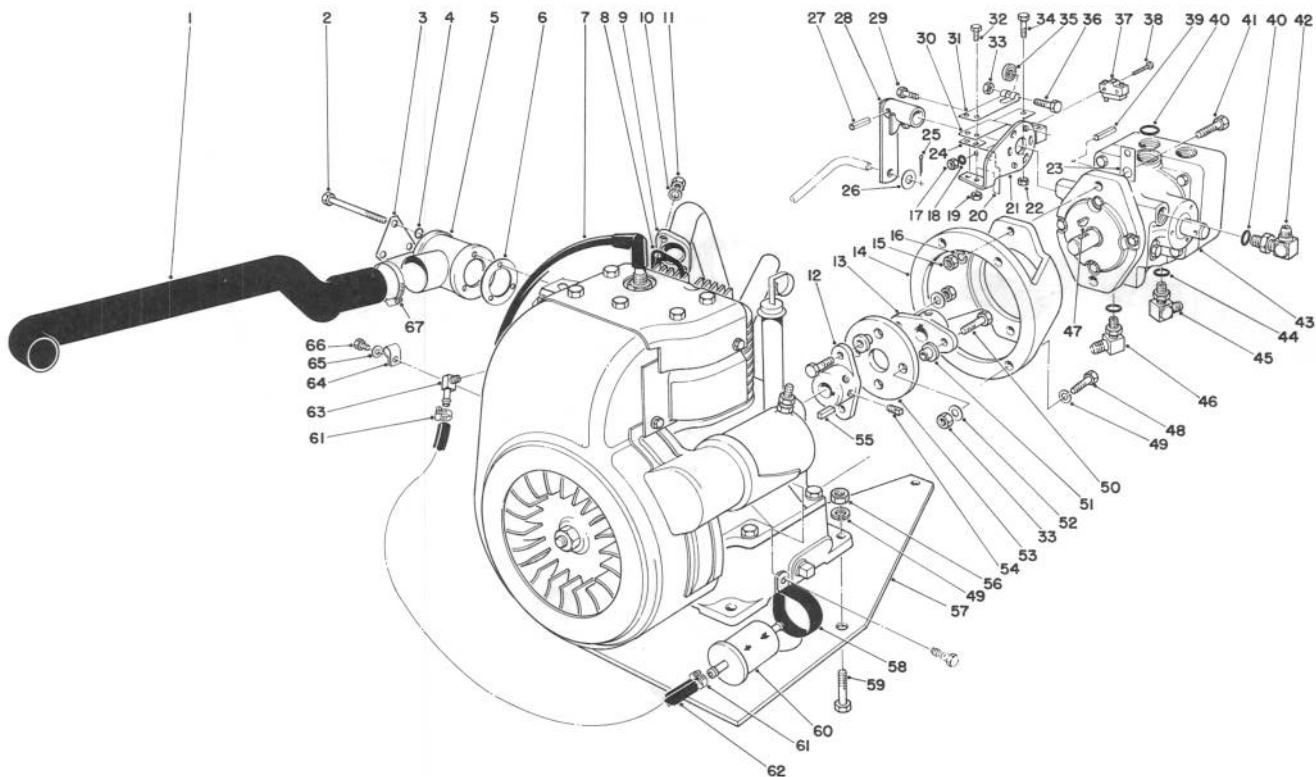


T-0243

FRAME ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
32	2412-37	Assembly - Clamp, Muffler	1
33	49-9570	Rod - Pump	1
34	46-9130	Spring - Compression	1
35	18-6650	Nut - Adjuster	1
36	322-5	Screw - Cap, Hex. Hd.	3
37	49-9980	Retainer - Shield, Rubber	1
38	49-9590	Shield - Rubber	1
39	46-8560	Screw - Flange, Hex. Hd.	6
40	2412-41	Clamp	1
41	3256-23	Washer - Flat	3
42	49-9760	Shield	1
43	3218-4	Nut - Jam	2

Ref. No.	Part No.	Description	No. Used
44	37-4700	Spacer	1
45	256-116	Bushing	2
46	3272-4	Pin - Cotter	1
47	49-9990	Pedal	1
48	49-6470	Pad - Pedal, Forward	1
49	51-0570	Pad - Foot Rest, R.H.	1
50	302-11	Fitting - Grease	1
51	256-155	Bushing	2
52	3290-357	Nut - Flange	2
53	55-4450	Sponge - Self Adhesive	1
54	80-1910	Decal - Lift	1



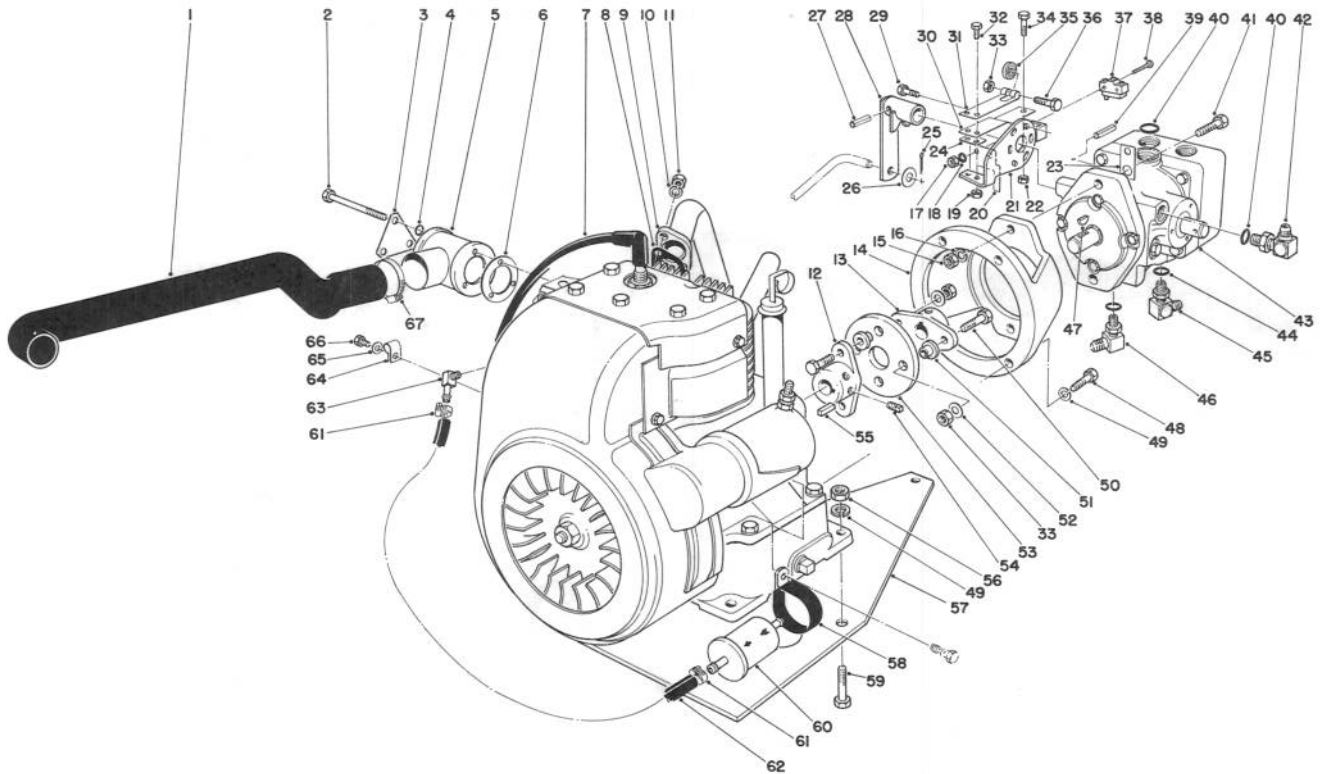
T-0244

ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	49-9850	Hose - Air Intake	1
2	55-4190	Screw - Mach. Hex Hd.	3
3	51-1030	Tab - Lock	1
4	237-137	O-Ring	3
5	51-1020	Assembly - Adaptor	1
†6		Gasket - Air Intake	1
7	11-9949	Engine - Kohler (K-321S Type 60434)	1
8	2210-118	Gasket - Exhaust	1
9	49-9550	Pipe - Exhaust	1
10	3253-4	Washer - Lock	2
11	3217-6	Nut - Hex	2
12	27-1960	Coupling - Engine	1
13	49-9600	Hub - Pump	1
14	37-8030	Mount - Pump	1
15	3217-9	Nut - Hex	2
16	3253-7	Washer - Lock	2
17	3217-16	Nut - Hex	2
18	3254-9	Washer - Lock, Int. Tooth	2
19	3296-42	Nut - Lock	2
20	46-8810	Stop - Leaf Spring	1
21	29-6120	Plate - Pump	1
22	3219-2	Nut - Hex	1
23	26-2950	Stand Off - Wire	1
24	51-3150	Shim - Spring Arm	1
25	3272-16	Pin - Cotter	1

Ref. No.	Part No.	Description	No. Used
26	3256-25	Washer - Flat	1
27	32121-24	Pin - Roll	1
28	26-2810	Pump - Lever	1
29	46-8560	Screw - Self Tapping Hex. Head	3
30	29-6170	Assembly - Extended Leaf Spring	1
31	29-6150	Leaf - Spring	1
32	321-4	Screw - Cap, Hex. Hd.	2
33	3296-29	Nut - Lock	5
34	3210-7	Screw - Cap, Hex. Hd.	1
35	251-259	Bearing	1
36	322-17	Screw - Cap, Hex. Hd.	1
37	29-6162	Switch - Micro	1
38	3249-11	Screw - Mach. Rd. Hd.	2
39	32121-16	Pin - Roll	1
40	237-79	O-Ring	3
41	325-7	Screw - Cap, Hex. Hd.	2
42	353-370	Elbow - 90° Adj.	1
43	53-9360	Pump	1
44	237-42	O-Ring	2
45	353-374	Elbow - 90° Adj.	1
46	353-511	Elbow - 90° Adj.	1
47	3257-32	Key - Woodruff	1
48	323-6	Screw - Cap, Hex. Hd.	4
49	3253-5	Washer - Lock	6

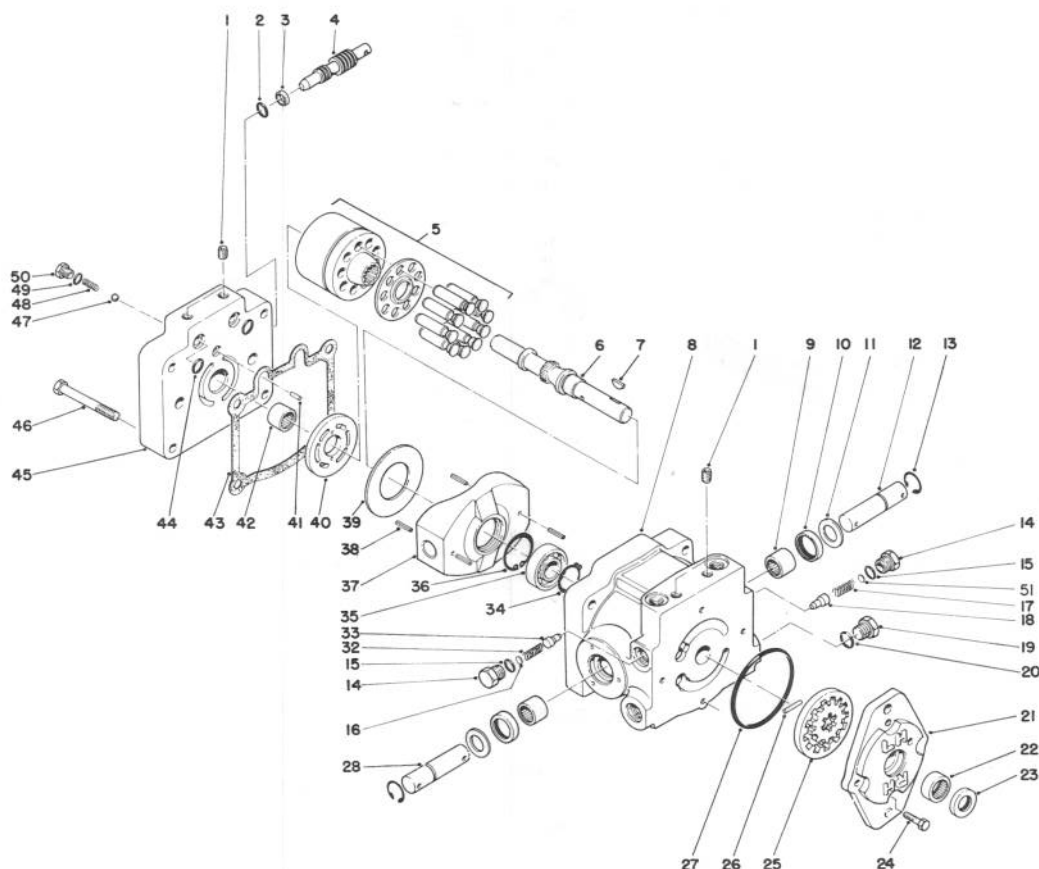
†Obtain from your local Kohler Dealer



T-0244

ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
50	322-16	Screw - Cap, Hex. Hd.	4	59	323-8	Screw - Cap, Hex. Hd.	2
51	27-6600	Spacer - Coupling, Rubber	4	60	18-1520	Assembly - Filter, Gas	1
52	3256-23	Washer - Flat	4	61	2412-108	Clamp - Hose	3
53	44-2230	Coupling - Rubber	1	62	51-0670	Hose - Fuel Line	1
54	3241-5	Screw - Set, Sq. Hd.	4	63	46-3710	Fitting	1
55	10-7070	Key - Square	1	64	2412-31	Clip - Wire, Throttle	1
56	3217-7	Nut - Hex	2	65	3256-22	Washer - Flat	1
57	49-9500	Base - Engine	1	66	32104-42	Screw - Hex Hd. Self Tap.	1
58	2412-44	R-Clamp	1	67	2412-92	Clamp - Hose	1



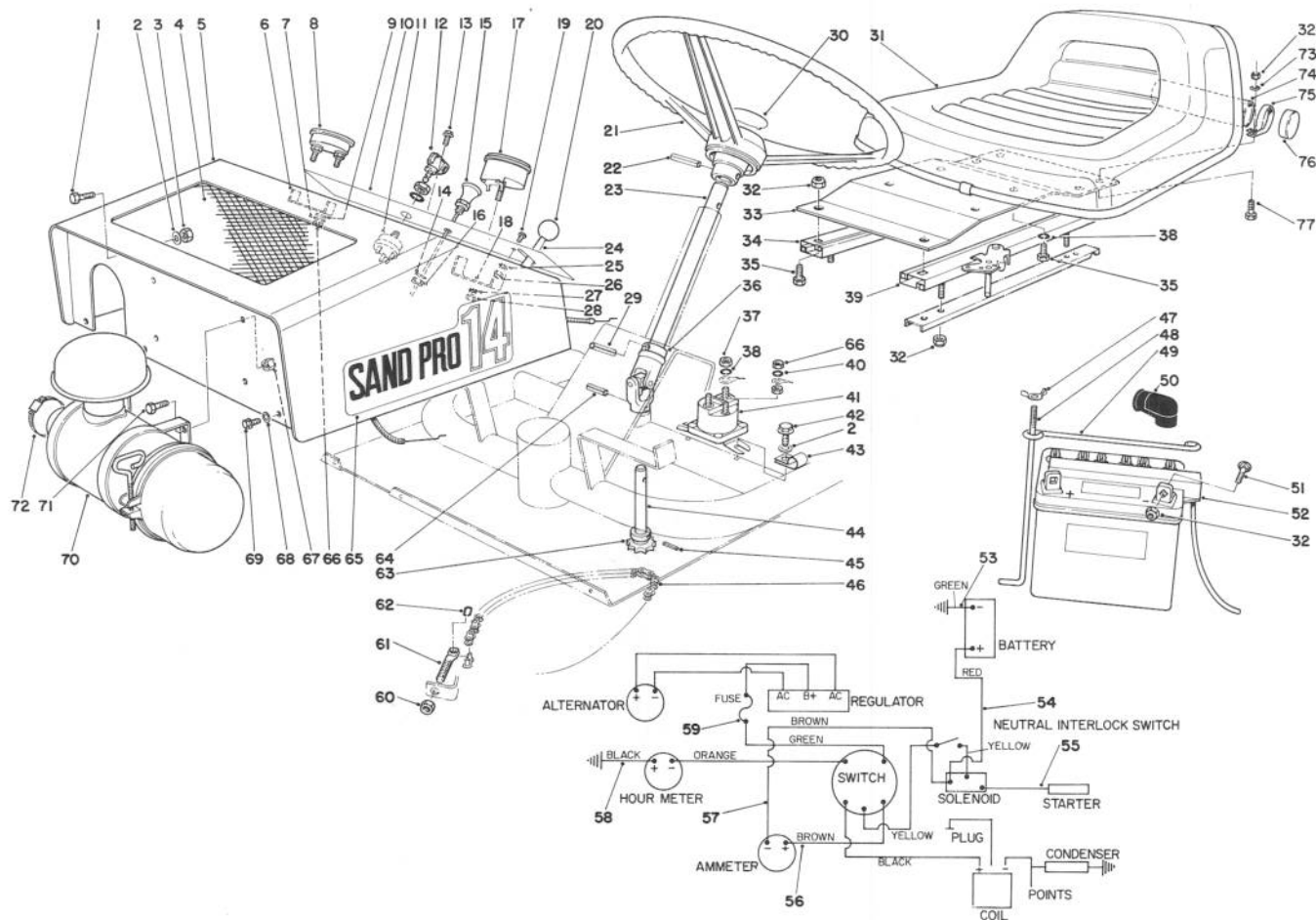
T-0245

PUMP ASSEMBLY NO. 53-9360

Ref. No.	Part No.	Description	No. Used
1	285-17	Plug - Pipe	4
2	237-22	O-Ring	1
3	25-2630	Ring	1
4	25-2620	Valve - By-Pass	1
5	48-1800	Kit - Cylinder Block	1
6	36-5370	Shaft - Pump	1
7	3257-32	Key - Woodruff	1
8	53-9360	Kit - Housing (Incl. Ref. #1, 8-10)	1
9	252-82	Bearing - Needle	2
10	25-3210	Seal - Lip	2
11	25-2510	Washer	2
12	25-2580	Shaft - Trunion	1
13	32151-46	Ring - Retaining	2
14	25-2460	Plug	2
15	237-86	O-Ring	2
16	25-2470	Kit - Shim Pack	2
17	25-2570	Spring - Valve, Relief	1
18	25-2560	Cone - Valve, Relief	1
19	49-8490	Plug - Standard Thread	1
20		O-Ring	1
21	25-2690	Housing - Pump, Charge	1
22	252-87	Bearing - Needle	1
23	253-44	Seal - Lip	1
24	322-4	Screw - Cap, Hex. Hd.	4
25	25-2680	Assembly - Gerator	1
26	25-2530	Pin - Straight, Headless	1
27	237-95	O-Ring	1
28	49-8480	Shaft - Trunion	1

Ref. No.	Part No.	Description	No. Used
32	25-2480	Spring - Relief, Charge	1
33	25-2560	Cone - Valve, Relief	1
34	32120-15	Ring - Retaining	1
35	251-8	Bearing - Ball	1
36	32120-11	Ring - Retaining	1
37	25-2450	Plate - Swash	1
38	32121-91	Pin - Spring, Coiled	3
39	25-2380	Plate - Thrust	1
40	25-2390	Plate - Valve	1
41	25-2430	Pin - Straight, Headless	1
42	25-3300	Bearing - Needle	1
43	25-2400	Gasket	1
44	237-30	O-Ring	2
45		Cap - End, Pump	1
46	323-11	Screw - Cap, Hex Hd.	4
47	25-2490	Valve - Check, Ball	2
48	25-2640	Spring - Valve, Check	2
49	237-86	O-Ring	2
50	25-2650	Plug - Valve, Check	2
51	49-8470	Kit - Shim-Pack	2
*	25-3180	Kit - Valve, Check (Incl. Ref. #47-50)	1
*	49-8510	Kit - Valve, Charge Relief (Incl. Ref. #14-16 & 32-33)	1
*	49-8520	Kit - Implement Relief (Incl. Ref. #14-18)	1
*	25-3220	Kit - Pump, Charge (Incl. Ref. #21-27)	1

*Not Illustrated

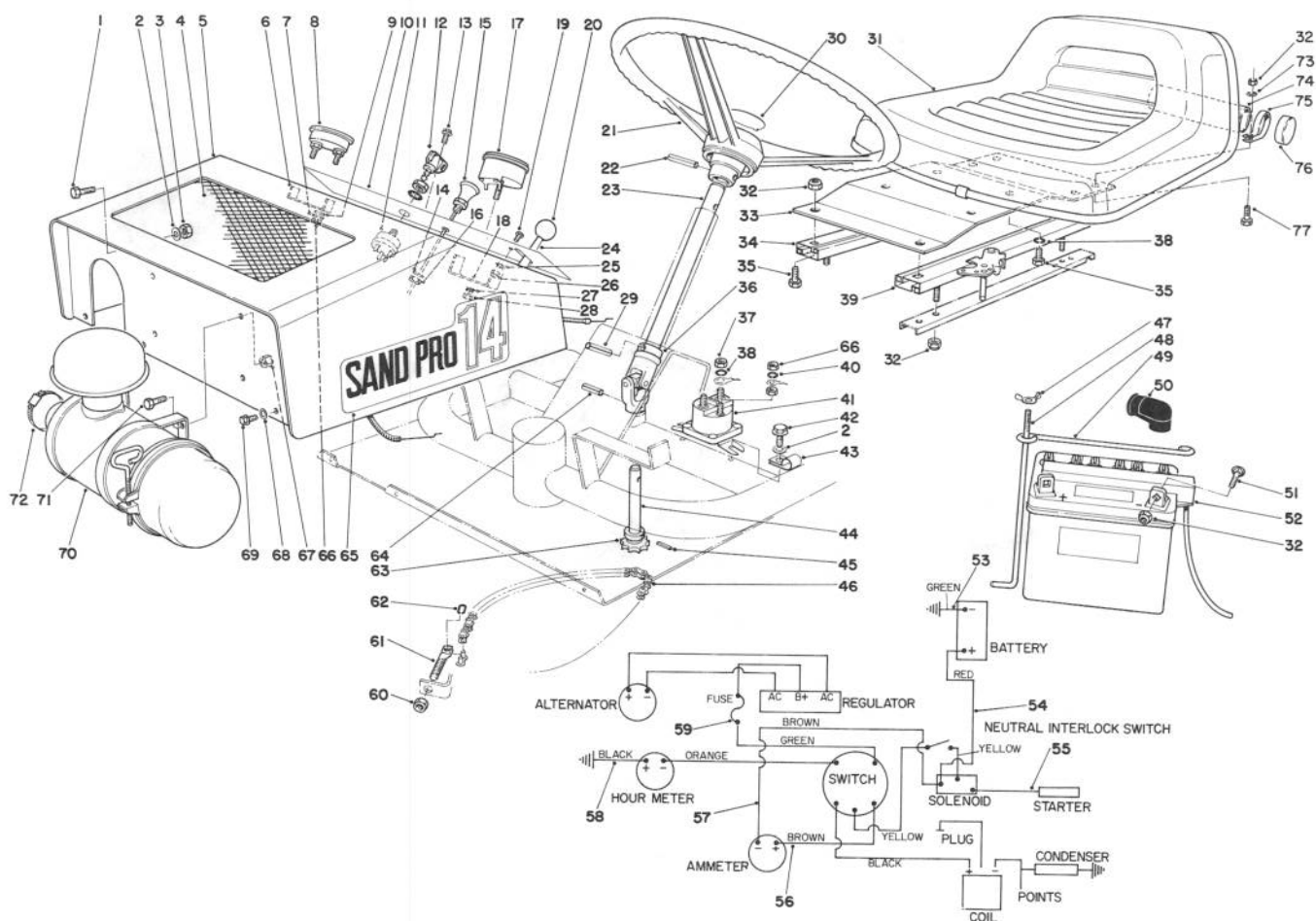


T-0247

INSTRUMENT PANEL ASSEMBLY AND WIRING DIAGRAM

Ref. No.	Part No.	Description	No. Used
1	321-3	Screw - Cap, Hex. Hd.	4
2	3256-22	Washer - Flat	6
3	3296-16	Nut - Lock	4
4	49-9730	Screen - Panel, Dash	1
5	49-9620	Dash	1
6	39-9600	Clamp - Mounting	1
7	3254-1	Washer - Lock	2
8	33-0990	Ammeter (Incl. Ref. #6-7, 9 & 66)	1
9	3256-21	Washer - Flat	2
10	51-0730	Decal - Dash	1
11	12-8140	Switch (Incl. Ref. #12)	1
12	218-412	Key	2
13	32144-11	Screw - Self Tapping	2
14	3254-6	Washer - Lock	1
15	19-2090	Control - Choke (Incl. Ref. #14 & 16)	1
16	3219-3	Nut - Hex	1
17	12-9990	Hour Meter	1
18	218-515	Bracket - Mounting	1
19	3251-2	Screw - Mach. Rd. Hd.	2
20	233-25	Knob	1
21	25-6260	Wheel - Steering	1
22	32121-10	Pin - Roll, Slotted	1
23	25-8140	Shaft - Steering	1

Ref. No.	Part No.	Description	No. Used
24	51-0680	Control - Throttle	1
25	3255-17	Washer - Lock	2
26	3296-12	Nut - Lock	2
27	3254-1	Washer - Lock, Ext. Tooth	1
28	3217-26	Nut - Hex	1
29	32121-84	Pin - Roll, Slotted	1
30	24-2090	Cap - Wheel, Steering	1
31	27-5170	Seat	1
32	3296-29	Nut - Lock	10
33	72-9520	Plate - Seat	1
34	51-0780	Slider - Seat	1
35	322-2	Screw - Cap, Hex. Hd.	8
36	25-8160	U-Joint	1
37	3218-13	Nut - Hex	4
38	3253-4	Washer - Lock	6
39	51-0790	Adjuster - Seat	1
40	3253-17	Washer - Lock	1
41	6-1600	Solenoid	1
42	32104-42	Screw - Self Tapping	2
43	2412-73	Clamp	1
44	18-6340	Shaft - Steering	1
45	32121-16	Pin - Roll, Slotted	1
46	18-6370	Chain	1
47	32103-12	Wing - Nut	2
48	7-3328	Bolt - Battery	2
49	47-1680	Battery Clamp	1



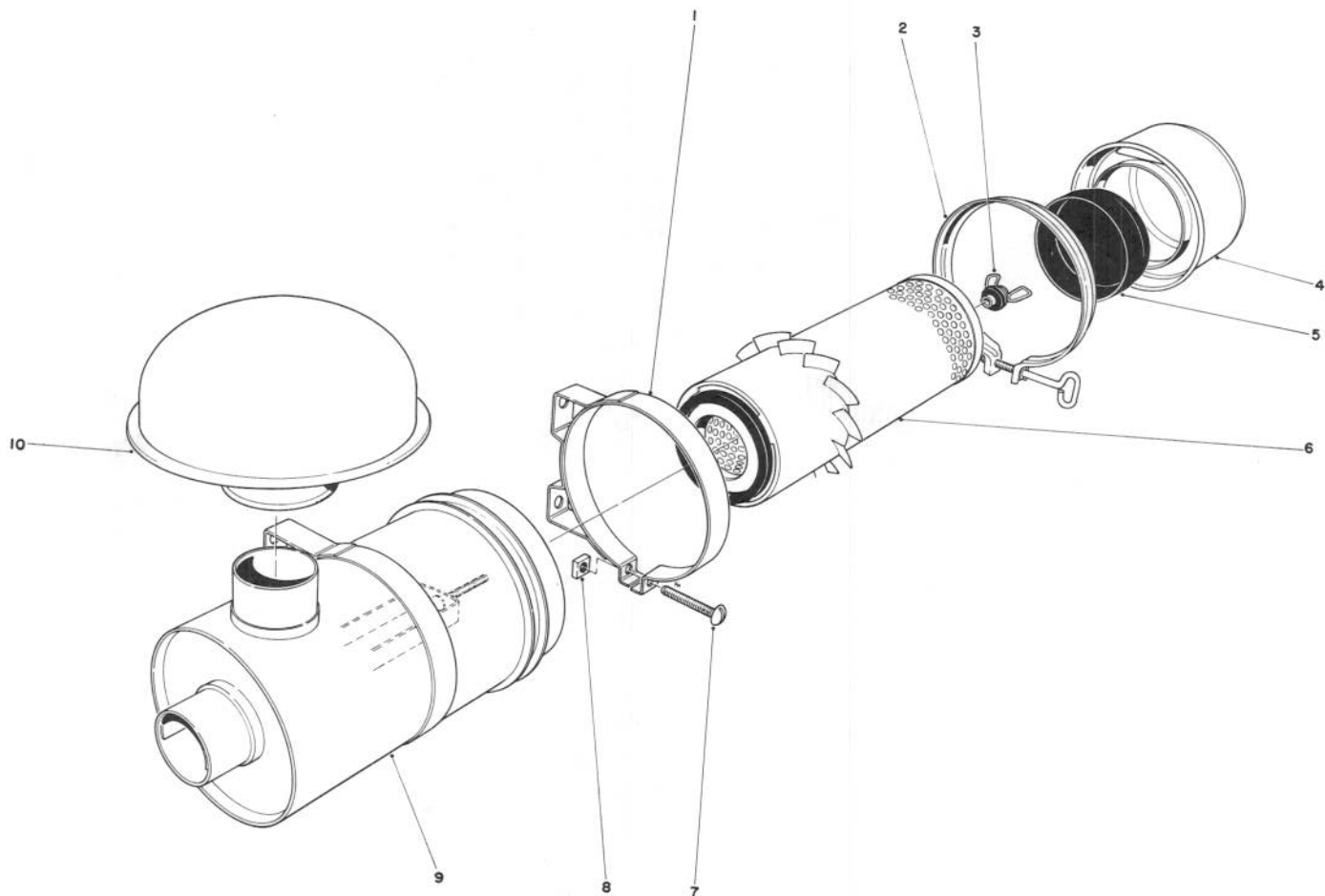
T-0247

INSTRUMENT PANEL & WIRING DIAGRAM (Continued)

Ref. No.	Part No.	Description	No. Used
50	218-331	Boot - Battery	1
51	3230-15	Bolt - Carriage	2
52	49-7030	Battery - 12 Volt	1
53	52-1460	Wire (Battery to Ground)	1
54	18-7840	Wire (Solenoid to Battery)	1
55	18-6560	Wire (Solenoid to Starter)	1
56	51-0710	Wire Harness	1
57	18-7830	Wire (Solenoid - neg. ammeter)	1
58	18-6580	Wire (Hour Meter Ground)	1
†59		Fuse 30 AMP.	1
60	3296-4	Nut - Lock	2
61	18-6380	Pin - Steering, Adjustment	2
62	2710-31	Chain - Link, Connecting	2
63	17-2490	Sprocket	1

Ref. No.	Part No.	Description	No. Used
64	32121-6	Pin - Roll, Slotted	1
65	51-0720	Decal - Sand Pro 14	2
66	3219-14	Nut - Hex	10
67	32128-20	Nut - Lock	4
68	3256-14	Washer - Flat	3
69	32104-76	Screw - Self Tapping	3
70	11-4659	Assembly - Cleaner, Air	1
71	322-1	Screw - Cap, Hex. Hd.	4
72	2412-92	Clamp - Hose	1
73	3256-23	Washer - Flat	2
74	65-5871	Tube - Manual	1
75	2412-102	R-Clamp	2
76	65-5890	Cap - Manual	2
77	322-3	Screw - Cap, Hex. Hd.	2
*	3290-378	Cable Tie	3

*Not Illustrated
†Obtain Locally

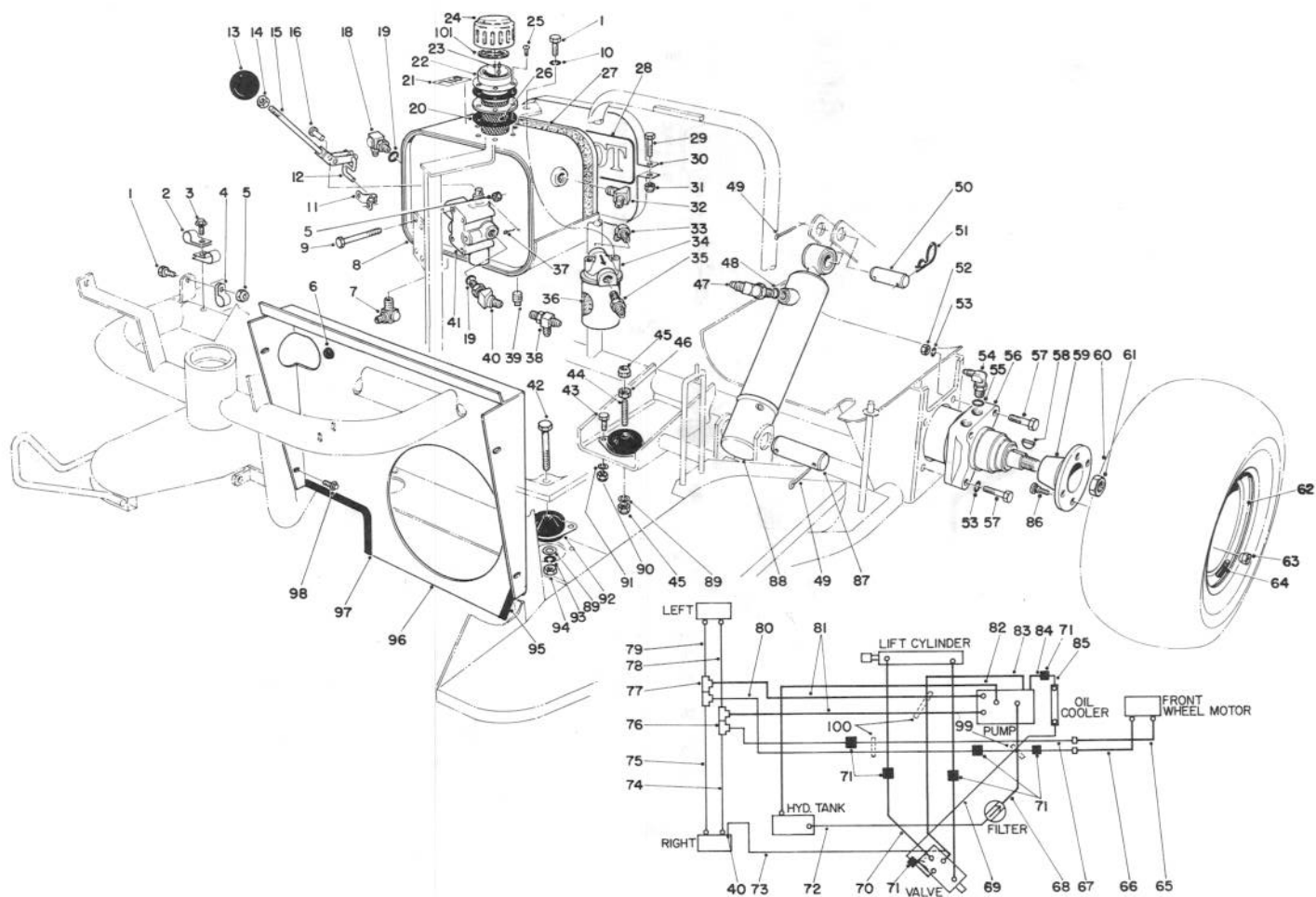


T-0248

AIR CLEANER ASSEMBLY NO. 11-4659

Ref. No.	Part No.	Description	No. Used
1	33-1350	Assembly - Band, Mounting	2
2	33-1340	Assembly - Clamp	1
3	33-1330	Assembly - Nut	1
4	33-1320	Assembly - Cup	1
5	33-1310	Baffle	1

Ref. No.	Part No.	Description	No. Used
6	33-1300	Assembly - Element	
7	3258-19	Screw - Mach. Rd. Hd.	
8	32107-11	Nut - Square	
9		Assembly - Body	1
10	46-7510	Hood - Inlet, Air	1

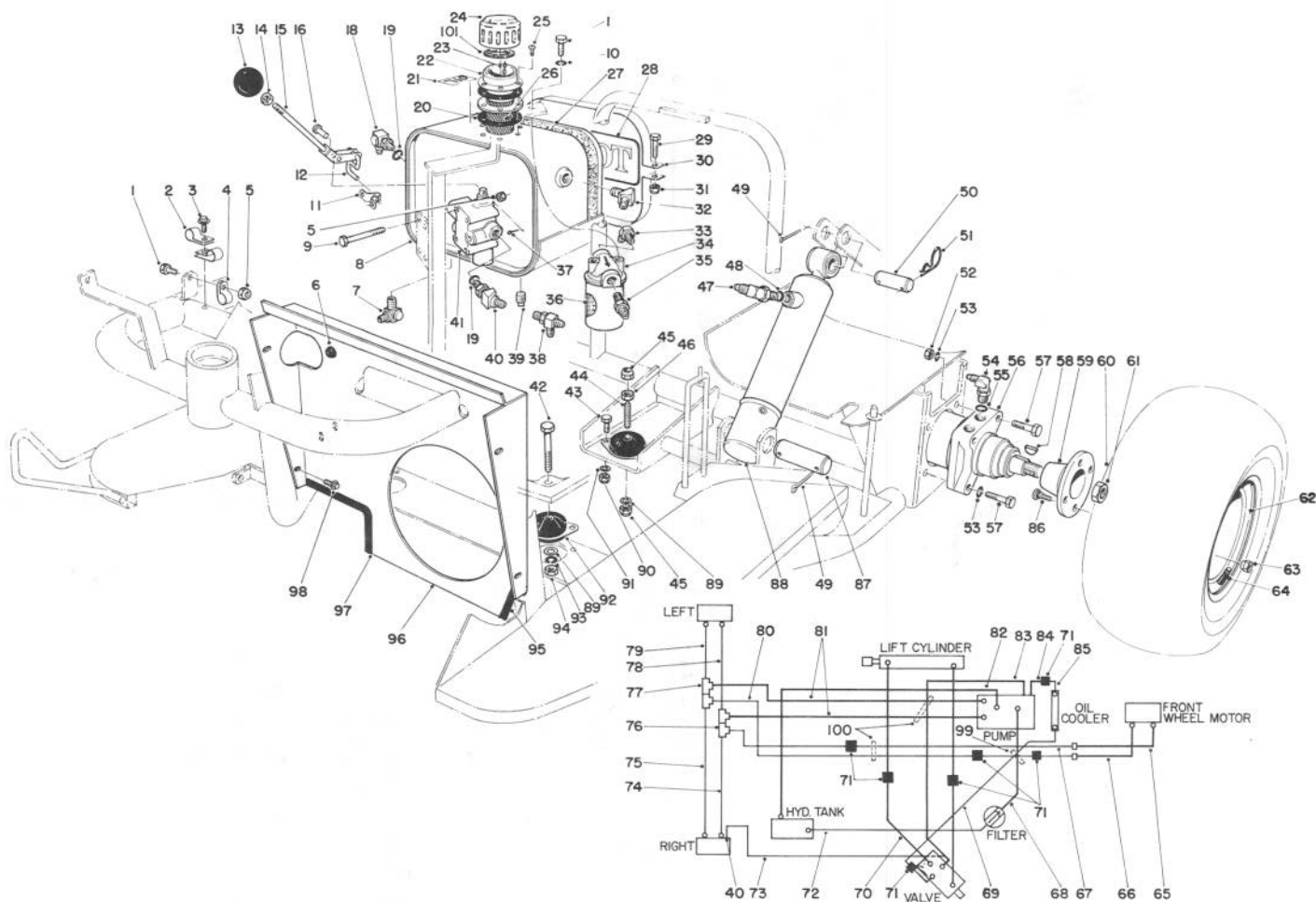


T-0249

HYDRAULIC TANK AND SYSTEMS DIAGRAM

Ref. No.	Part No.	Description	No. Used
1	321-4	Screw - Cap, Hex. Hd.	4
2	2412-70	Clamp	2
3	32144-11	Screw - Self Tap. Hex. Hd.	1
4	2412-73	R-Clamp	1
5	3296-42	Nut - Lock	6
6	237-88	Grommet	1
7	353-533	Fitting - 90°	1
8	51-0690	Tank - Hydraulic	1
9	321-14	Screw - Cap, Hex. Hd.	4
10	3253-3	Washer - Lock	2
11	22-4600	Bracket - Pivot	1
12	36-4630	S-Link	1
13	233-33	Knob	1
14	3218-2	Nut - Jam	1
15	22-4560	Rod - Control	1
16	283-17	Pin - Clevis	1
18	353-511	Fitting - 90°	1
19	237-42	O-Ring	2
20	353-963	Gasket	2
21	53-4430	Decal - Oil	1
22	353-961	Adapter - Flange	1
23	353-962	Spring & Chain Assembly	1
24	62-2570	Cap - Breather (Incl. Ref. #23)	1
25	32104-111	Screw - Pan Hd.	6
26	62-2610	Assembly - Screen	1
27	49-9780	Strip - Felt	1

Ref. No.	Part No.	Description	No. Used
28	62-7400	Decal - Toro	1
29	323-12	Screw - Cap, Hex. Hd.	1
30	49-9650	Strap - Tank	1
31	3296-44	Nut - Lock	1
32	353-510	Fitting - 45°	1
33	353-535	Fitting - 45°	1
34	43-8590	Assembly - Head, Filter	1
35	353-506	Fitting - Adapter, Male	1
36	23-9740	Filter - Oil	1
37	3272-4	Pin - Cotter	1
38	353-877	Fitting - Swivel	1
39	281-3	Plug	1
40	353-212	Fitting - 45°	2
41	43-1950	Valve - Control, Hydraulic	1
42	323-12	Screw - Cap, Hex. Hd.	2
43	3290-134	Screw - Mach. Hex. Hd.	6
44	44-1790	Stud - Adjustment	1
45	3296-5	Nut - Lock	2
46	3219-3	Nut - Hex	1
47	353-431	Fitting - 45°	2
48	237-78	O-Ring	2
49	3272-23	Pin - Cotter	3
50	18-7310	Pin - Rake	1
51	3290-256	Pin - Hair, Cotter	1
52	3217-9	Nut - Hex	4
53	3253-7	Washer - Lock	8
54	353-426	Fitting 90°	4



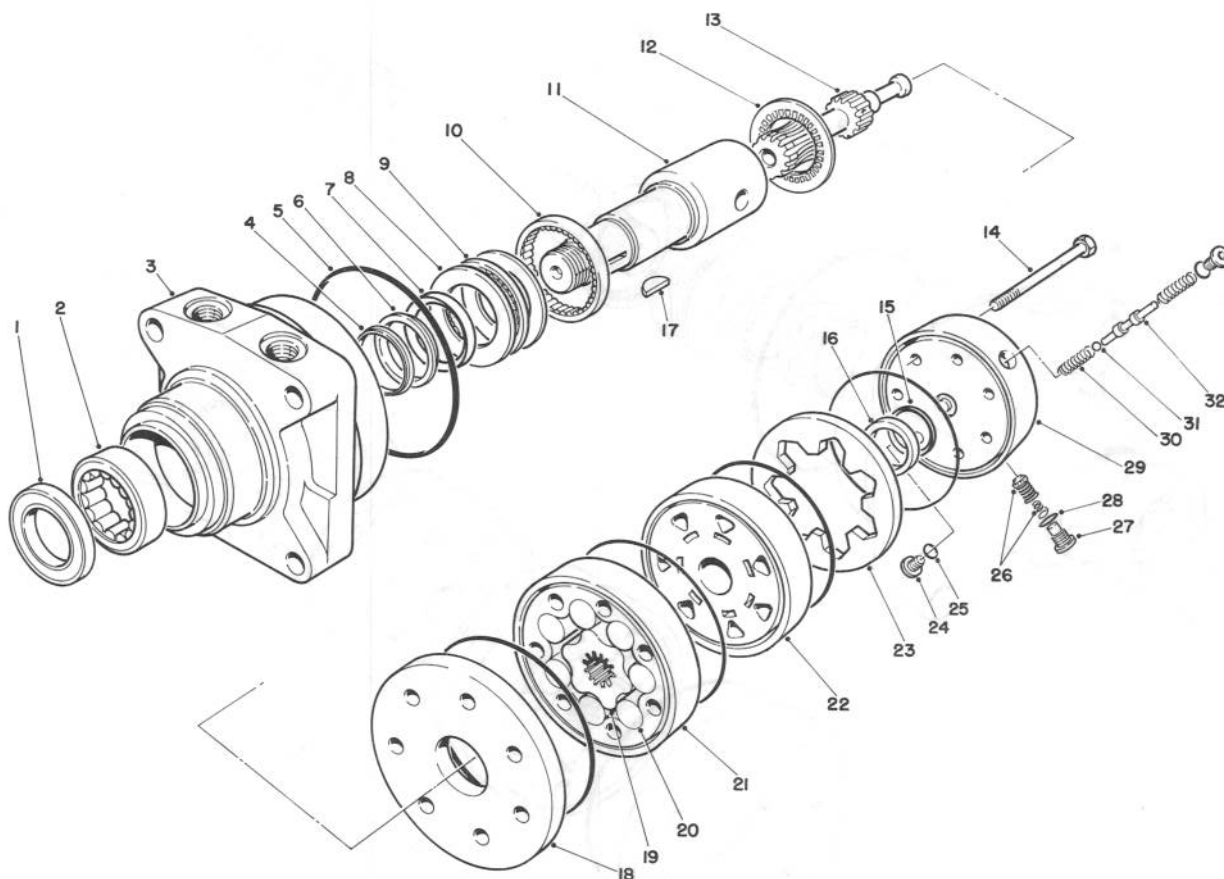
T-0249

HYDRAULIC TANK AND SYSTEMS DIAGRAM (Continued)

Ref. No.	Part No.	Description	No. Used
55	237-80	O-Ring	4
56	75-9831	Motor - Wheel, Left Rear	1
*	75-9840	Motor - Wheel, Right Rear	1
57	325-10	Screw - Cap, Hex. Hd.	8
58	3257-42	Key - Woodruff	2
59	17-4710	Hub - Wheel	2
60	28-1070	Tire	2
61	26-3790	Nut - Lock	2
62	46-4810	Rim	2
63	242-50	Nut - Wheel	8
64	232-35	Stem - Valve	2
65	51-0600	Hose (Front Motor)	1
66	51-0610	Hose (Front Motor)	1
67	51-0660	Tube (Front Motor L.H.)	1
68	53-9470	Hose (Filter to Pump)	1
69	51-0650	Tube (Valve to Cooler)	1
70	22-4670	Hose (Valve to Cylinder)	2
71	38-3400	Guard - Rubber	7
72	51-0770	Tube (Filter to Tank)	1
73	51-0620	Tube - Shuttle Valve	1
74	18-6700	Tube - Front (R.H. Rear Motor)	1
75	18-6730	Tube - Rear (R.H. Rear Motor)	1
76	353-424	"T" Fitting	2
77	353A25	"T" Fitting	2
78	18-6710	Tube - Front	

Ref. No.	Part No.	Description	No. Used
		(L.H. Rear Motor)	1
79	18-6720	Tube - Rear (L.H. Rear Motor)	1
80	51-0640	Tube (Front Motor R.H.)	1
81	21-5370	Hose (Pump to "T")	2
82	21-5360	Hose (Pump to Reservoir)	1
83	51-0590	Hose (Pump to Valve)	1
84	49-9970	Hose (Pump to Cooler)	1
85	51-0630	Tube (Cooler to Pump)	1
86	10-6830	Stud - Wheel	8
87	18-7160	Pin	1
88	68-9700	Cylinder - Hydraulic	1
89	3256-24	Washer - Flat	3
90	3296-12	Nut - Lock	6
91	3256-14	Washer - Flat	6
92	18-8000	Mount - Rubber	3
93	3253-21	Washer - Lock	2
94	3217-7	Nut - Hex	2
95	51-3160	Trim - Jiffy	1
96	49-9770	Shield - Blower	1
97	51-3161	Trim - Jiffy	1
98	46-8560	Screw - Self Tapping	4
99	3290-378	Tie - Cable	1
100	3290-379	Tie - Cable	2
101	76-1720	Gasket - Cap, Filler	1
*	232-37	Tube - Inner, Tire	2

*Not Illustrated



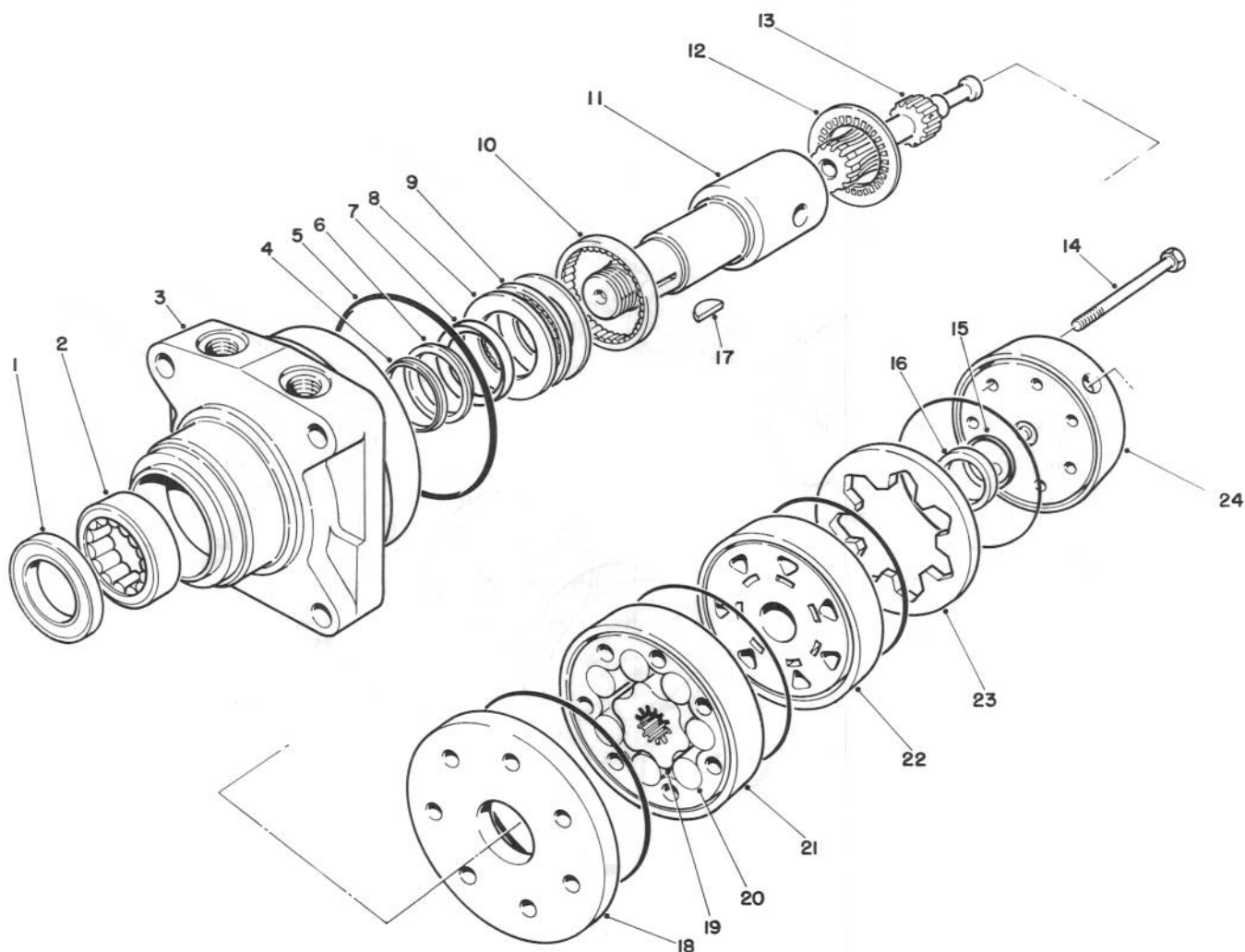
T-0982

HYDRAULIC DRIVE MOTOR RIGHT REAR NO. 75-9840

Ref. No.	Part No.	Description	No. Used
1		Seal - Dirt & Water	1
2		Bearing	1
3		Housing	1
4		Washer - Backup	1
5		Seal - Rings	5
6		Washer - Backup	1
7		Seal - Inner	1
8		Washer - Thrust	2
9		Bearing - Thrust	1
10		Bearing	1
11	76-0860	Shaft - Coupling	1
12	76-0850	Bearing - Thrust	1
13	76-0820	Link - Drive	1
14	76-1040	Screw - Cap, Hex. Hd.	7
15		Seal - Commutator	1
16		Commutator	1
17	3257-42	Key - Woodruff	1
18	76-0870	Plate - Wear	1
19		Rotor	1
20		Vane	7
21		Stator	1

22	76-0840	Manifold	1
23		Ring - Commutator	1
24		Plug	2
25		O-Ring	2
26		Valve - Relief	1
27		Plug	1
28		O-Ring	1
29	76-0890	Assembly (Incl. Ref. #24-25 & 30-32)	1
30		Spring	2
31		Ball	1
32		Valve - Shuttle	1
*	76-0830	Rotor Set (Incl. Ref. #19-21)	1
*	76-0880	Assembly - Commutator (Incl. Ref. #15, 16 & 23)	1
*	76-0800	Kit - Seal (Incl. Ref. #1, 4-7 & 15)	1
*	76-0810	Assembly - Housing (Incl. Ref. #2, 3 & 8-10)	1

*Not Illustrated



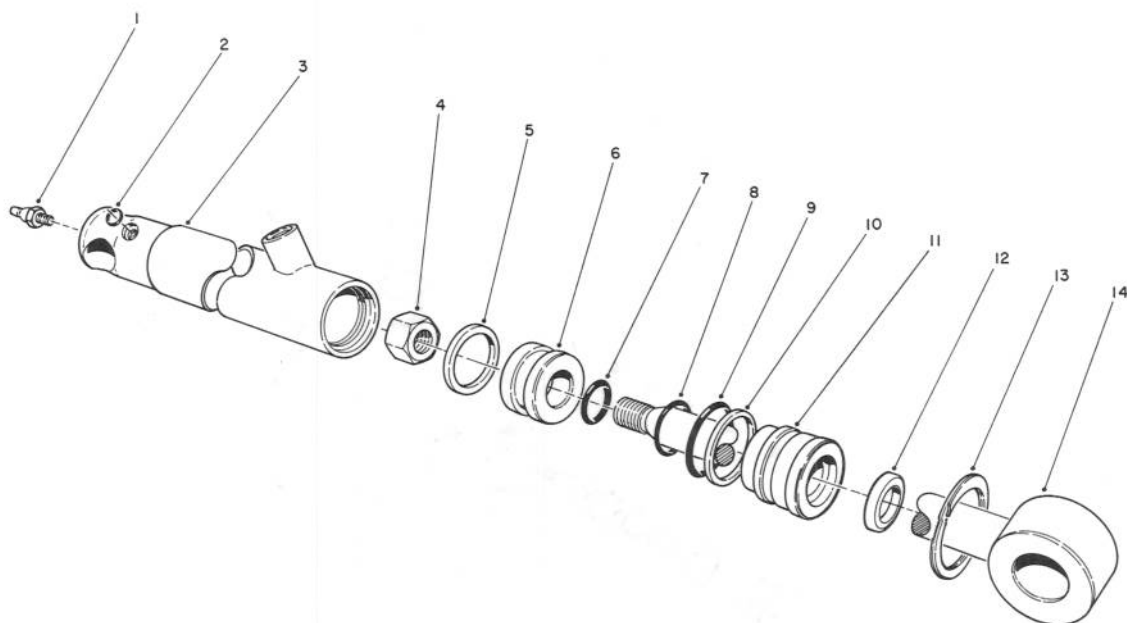
T-0983

HYDRAULIC DRIVE MOTOR LEFT REAR NO. 75-9831

Ref. No.	Part No.	Description	No. Used
1		Seal - Dirt & Water	1
2		Bearing	1
3		Housing	1
4		Washer - Backup	1
5		Seal - Rings	5
6		Washer - Backup	1
7		Seal - Inner	1
8		Washer - Thrust	2
9		Bearing - Thrust	1
10		Bearing	1
11	76-0860	Shaft - Coupling	1
12	76-0850	Bearing - Thrust	1
13	76-0820	Link - Drive	7
14	76-1020	Screw - Cap, Hex. Hd.	1
15		Seal - Commutator	1
16		Commutator	1

Ref. No.	Part No.	Description	No. Used
17	3257-42	Key - Woodruff	1
18	76-0870	Plate - Wear	1
19		Rotor	1
20		Vane	7
21		Stator	1
22	76-0840	Manifold	1
23		Ring - Commutator	1
24	76-0940	Assembly - Cover, End	1
	76-0830	Rotor Set (Incl. Ref. #19-21)	1
*	76-0880	Assembly - Commutator (Incl. Ref. #15, 16 & 23)	1
*	76-0800	Kit - Seal (Incl. Ref. #1, 4-7 & 15)	1
*	76-0810	Assembly - Housing (Incl. Ref. #2, 3 & 8-10)	1

*Not Illustrated



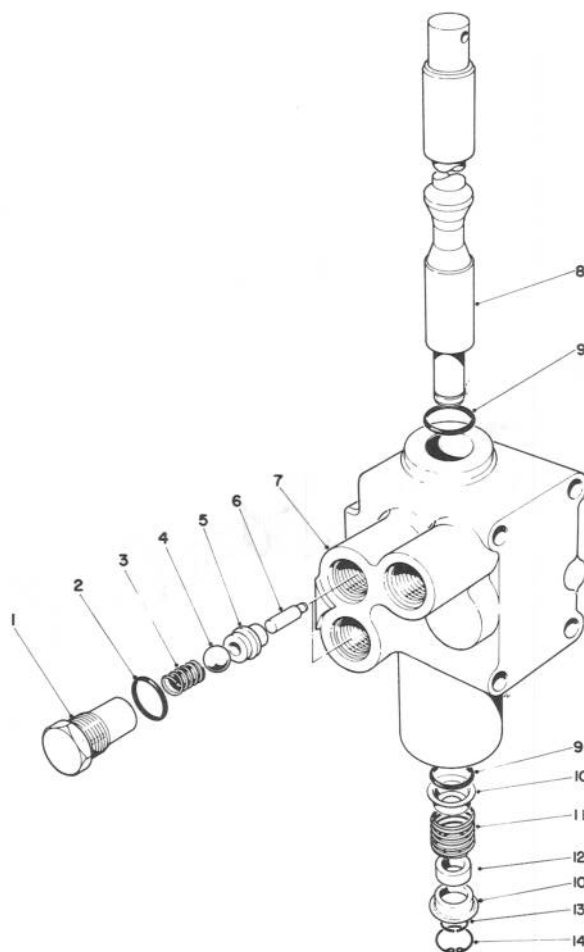
T-0217

HYDRAULIC CYLINDER NO. 68-9700

Ref. No.	Part No.	Description	No. Used
1	302-2	Fitting - Grease	1
2	237-78	O-Ring	2
3	43-5260	Barrel - w/Clevis & Ports	1
4	32152-10	Nut	1
5		Uniring	1
6	70-2780	Piston	1
7		O-Ring	1
8		Poly-Pack	1
9		O-Ring	1

Ref. No.	Part No.	Description	No. Used
10		Back-Up	1
11	70-2770	Head	1
12		Seal - Dust	1
13	43-5220	Ring - Retaining	1
14	43-5230	Shaft with Clevis	1
*	70-2790	Kit - Repair, Seal (Incl. Ref. #5, 7, 8, 9-10 & 12)	1

*Not Illustrated

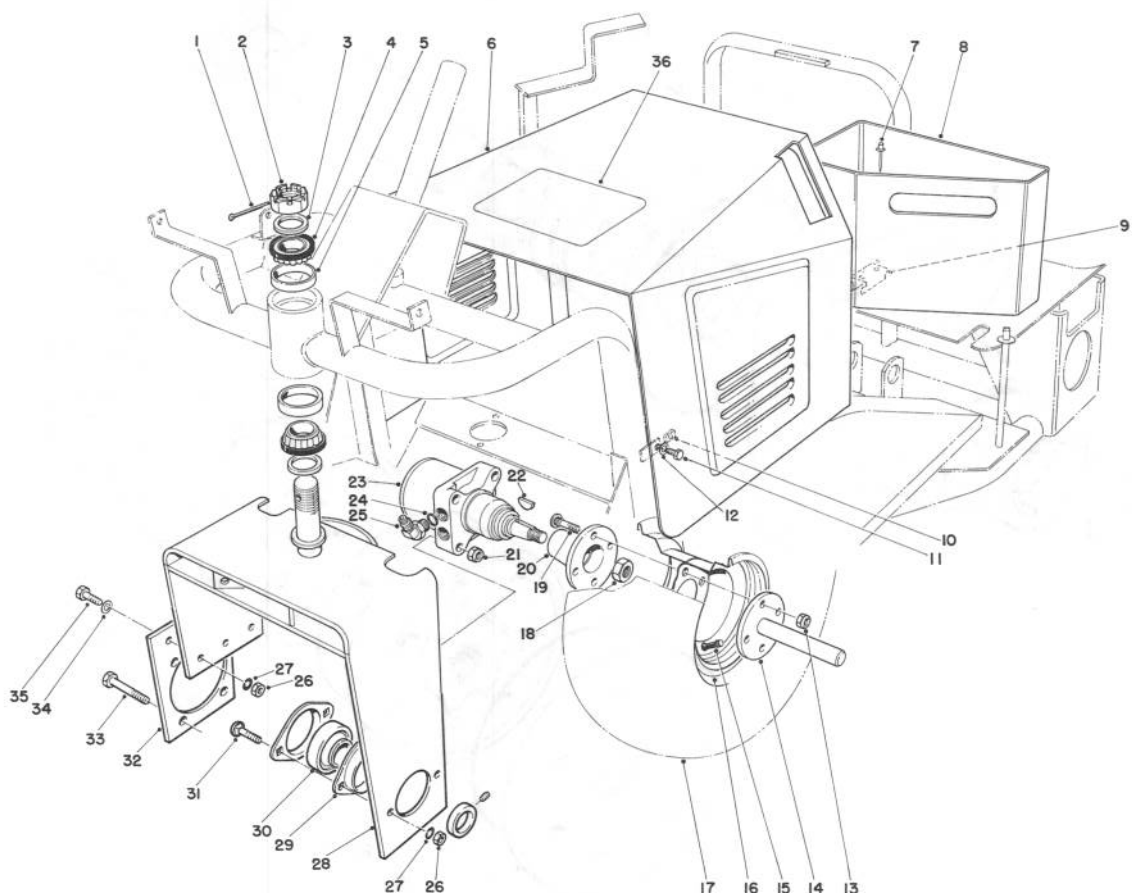


T-0236

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	43-1730	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	Ring - Retaining, Spool	1
14	22-8490	Ring - Retaining	1

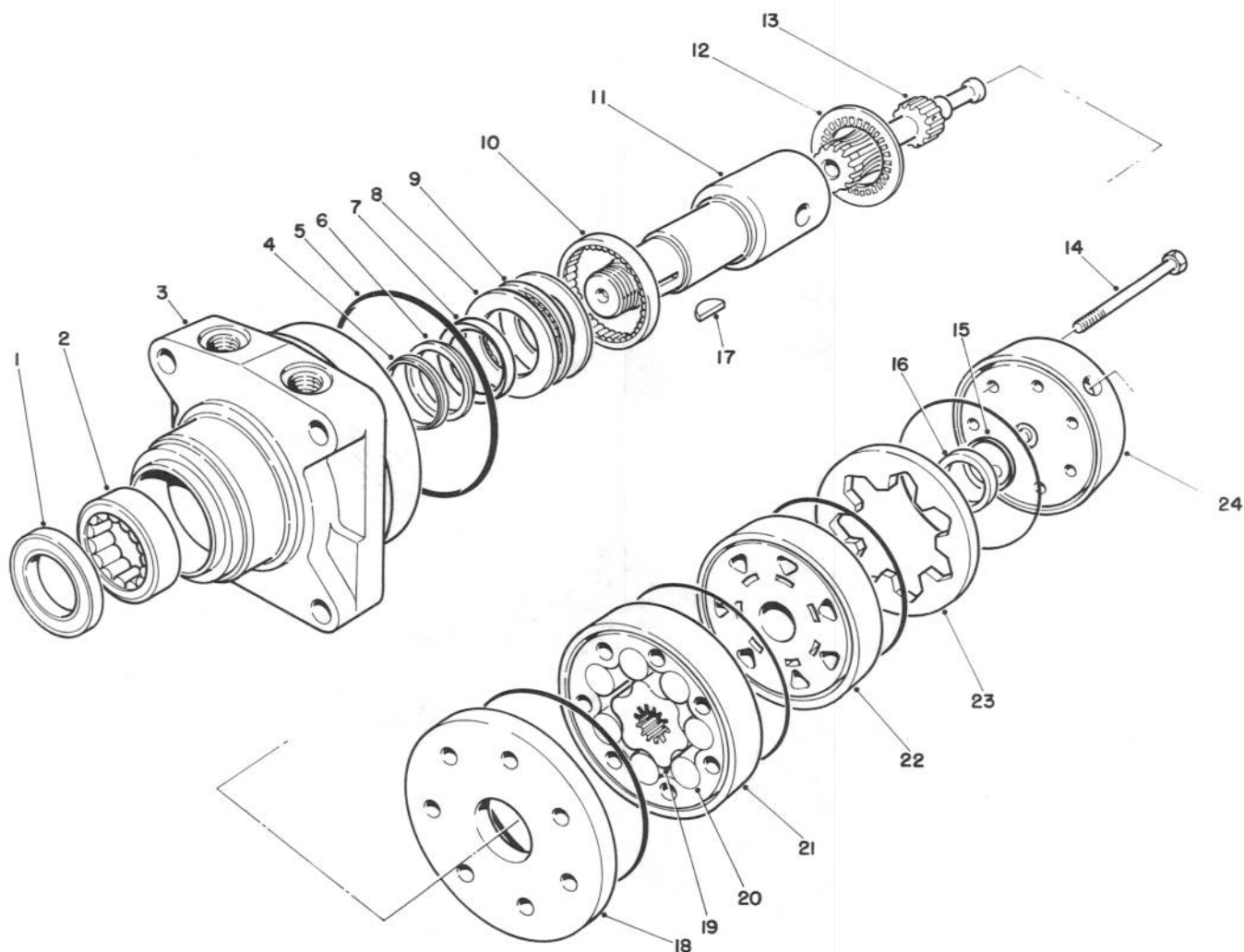


T-0252

FRONT STEERING FORK AND MOTOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3272-37	Pin - Cotter	1	19	10-6830	Stud - Drive Type	4
2	32136-9	Nut - Hex., Slotted	1	20	17-4710	Hub - Wheel	1
3	18-6320	Washer - Steering		21	3296-25	Nut - Lock	4
4	254-70	Bearing - Cone & Seal	2	22	3257-42	Key - Woodruff	1
5	254-61	Cup - Bearing	2	23	75-9830	Motor - Hydraulic	1
6	49-9530	Shield - Engine	1	24	237-80	O-Ring	2
7	3290-54	Rivet - Pop	2	25	353-427	Fitting - 45°	2
8	51-0900	Box - Litter (Incl. Ref. #7 & 9)	1	26	3217-7	Nut - Hex	5
9	44-2520	Clip - Spring	1	27	3253-21	Washer - Lock	5
10	32115-11	Retainer - Nut, Tinnerman	2	28	18-6210	Fork	1
11	321-5	Screw - Cap, Hex. Hd.	2	29	251-166	Flange - Bearing	2
12	3256-22	Washer - Flat	2	30	251-165	Bearing - w/Collar	1
13	242-50	Nut - Lug	4	31	3231-2	Bolt - Carriage	2
14	18-6290	Shaft - Axle	1	32	18-6270	Mount - Motor, Wheel	1
15	232-35	Stem - Valve	1	33	325-10	Screw - Cap, Hex. Hd.	4
16	46-4810	Rim	1	34	3256-24	Washer - Flat	3
17	28-1070	Tire	1	35	323-7	Screw - Cap, Hex. Hd.	3
18	26-3790	Nut - Lock	1	36	80-1900	Decal - Operating	1
				*	232-37	Tube - Inner, Tire	1

*Not Illustrated



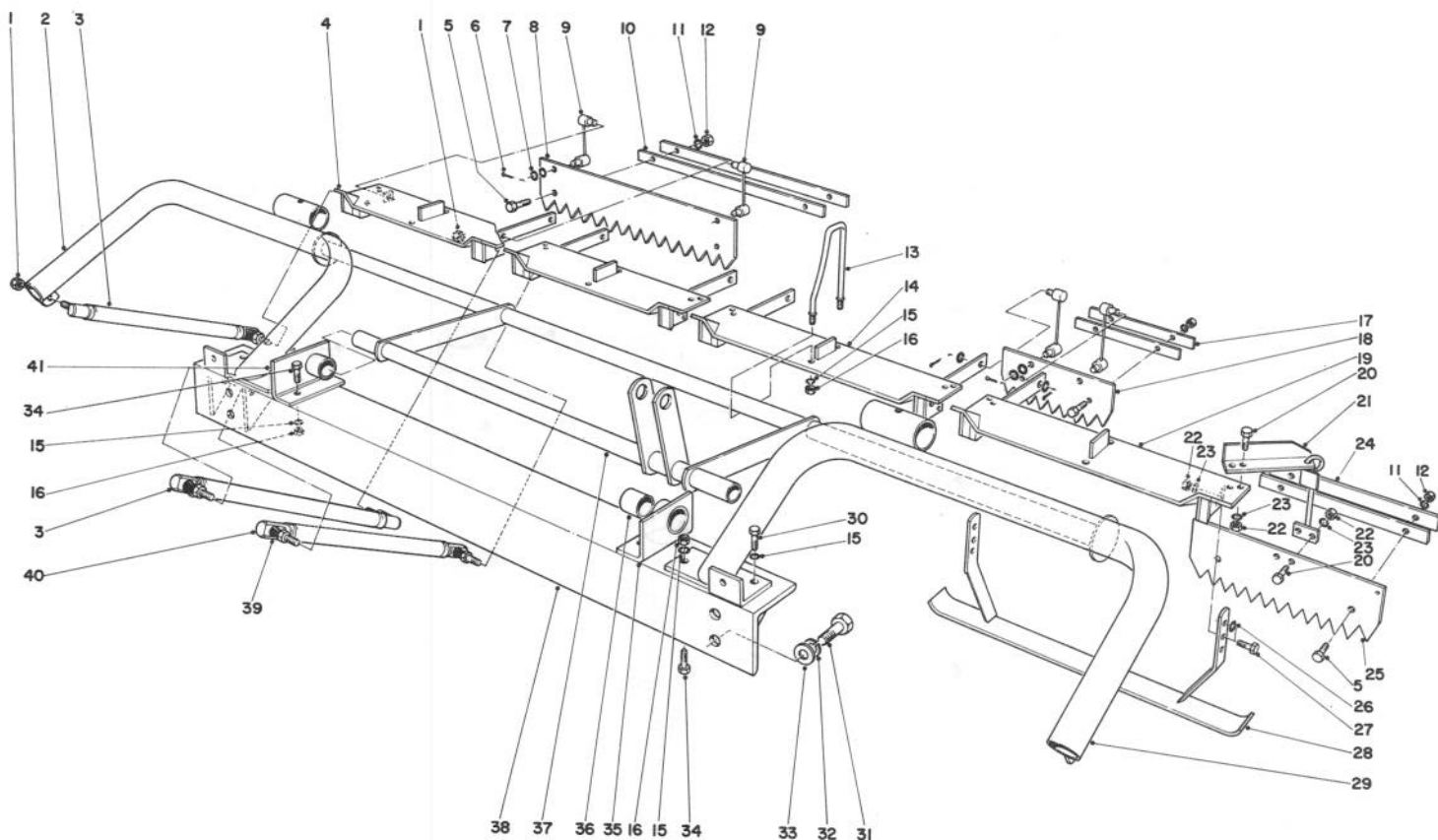
T-0983

HYDRAULIC DRIVE MOTOR (FRONT) NO. 75-9830

Ref. No.	Part No.	Description	No. Used
1		Seal - Dirt & Water	1
2		Bearing	1
3		Housing	1
4		Washer - Backup	1
5		Seal - Rings	5
6		Washer - Backup	1
7		Seal - Inner	1
8		Washer - Thrust	2
9		Bearing - Thrust	1
10		Bearing	1
11	76-0860	Shaft - Coupling	1
12	76-0850	Bearing - Thrust	1
13	76-0930	Link - Drive	7
14	76-1030	Screw - Cap, Hex. Hd.	1
15		Seal - Commutator	1
16		Commutator	1

Ref. No.	Part No.	Description	No. Used
17	3257-42	Key - Woodruff	1
18	76-0870	Plate - Wear	1
19		Rotor	1
20		Vane	7
21		Stator	1
22	76-0840	Manifold	1
23		Ring - Commutator	1
24	76-0940	Assembly - Cover, End	1
*	76-0950	Rotor Set (Incl. Ref. #19-21)	1
*	76-0880	Assembly - Commutator (Incl. Ref. #15, 16 & 23)	1
*	76-0800	Kit - Seal (Incl. Ref. #1, 4-7 & 15)	1
*	76-0810	Assembly - Housing (Incl. Ref. #2, 3 & 8-10)	1

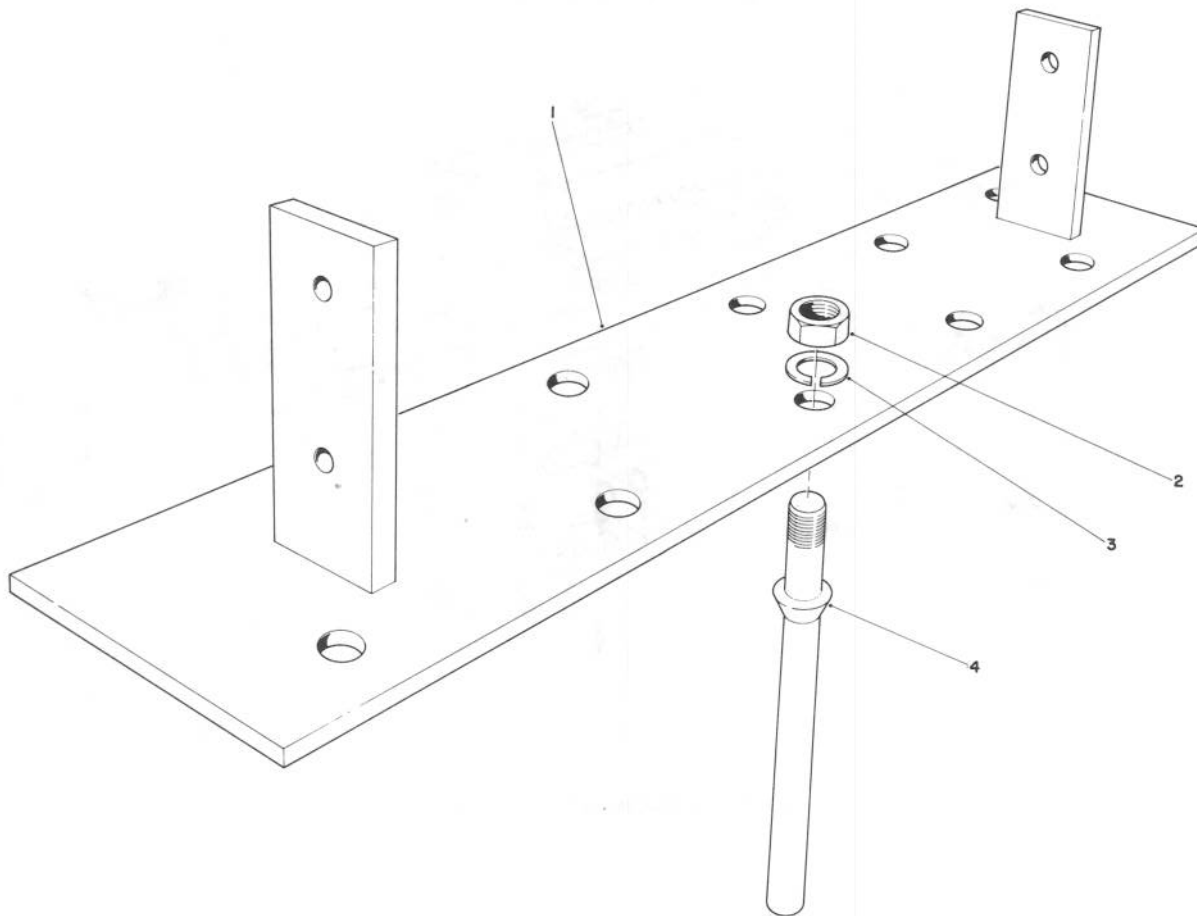
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T-0253

RAKE ASSEMBLY MODEL NO. 08811 (Optional)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3296-5	Nut - Lock	16	23	3253-3	Washer - Lock	24
2	18-7260	Hoop - Wheel, R.H.	1	24	18-7650	Weight	4
3	18-7550	Assembly - Ball Joint (Incl. Ref. #39)	4	25	77-5080	Swivel - Drag	2
4	18-7450	Rake - Upper	1	26	3256-22	Washer - Flat	8
5	322-5	Screw - Cap, Hex. Hd.	18	27	321-31	Screw - Cap, Hex. Hd.	16
6	3272-10	Pin - Cotter	28	28	18-7460	Rake - Bar	4
7	3256-23	Washer - Flat	42	29	18-7360	Hoop - Wheel, L.H.	1
8	77-5100	Plate - Drag, Main	4	30	323-3	Screw - Cap, Hex. Hd.	2
9	20-4670	Assembly - Cable, Drag	14	31	325-5	Screw - Cap, Hex. Hd.	4
10	18-7570	Weight - Drag	8	32	3253-7	Washer - Lock	4
11	3253-4	Washer - Lock	18	33	3256-26	Washer - Flat	4
12	3217-6	Nut - Hex	18	34	323-6	Screw - Cap, Hex. Hd.	4
13	18-7520	Hoop - Lift	4	35	18-7220	Bracket - Pivot, L.H. (Incl. Ref. #36)	1
14	18-7380	Rake - Upper, (Center)	2	36	256-234	Bushing	2
15	3253-21	Washer - Lock	14	37	18-7170	Bar - Lift	1
16	3217-7	Nut - Hex.	12	38	18-7280	Mount - Rake	1
17	18-7590	Weight - Drag (Secondary)	6	39	2411-31	Boot - Rubber	16
18	77-5090	Plate - Drag (Secondary)	3	40	18-7530	Assembly - Ball Joint (Ctr.) (Incl. Ref. #39)	4
19	18-7420	Rake - Upper, L.H.	1	41	18-7250	Bracket - Pivot, R.H. (Incl. Ref. #36)	1
20	321-4	Screw - Cap, Hex. Hd.	8				
21	18-7660	Bracket - Swivel	2				
22	3217-5	Nut - Hex.	24				



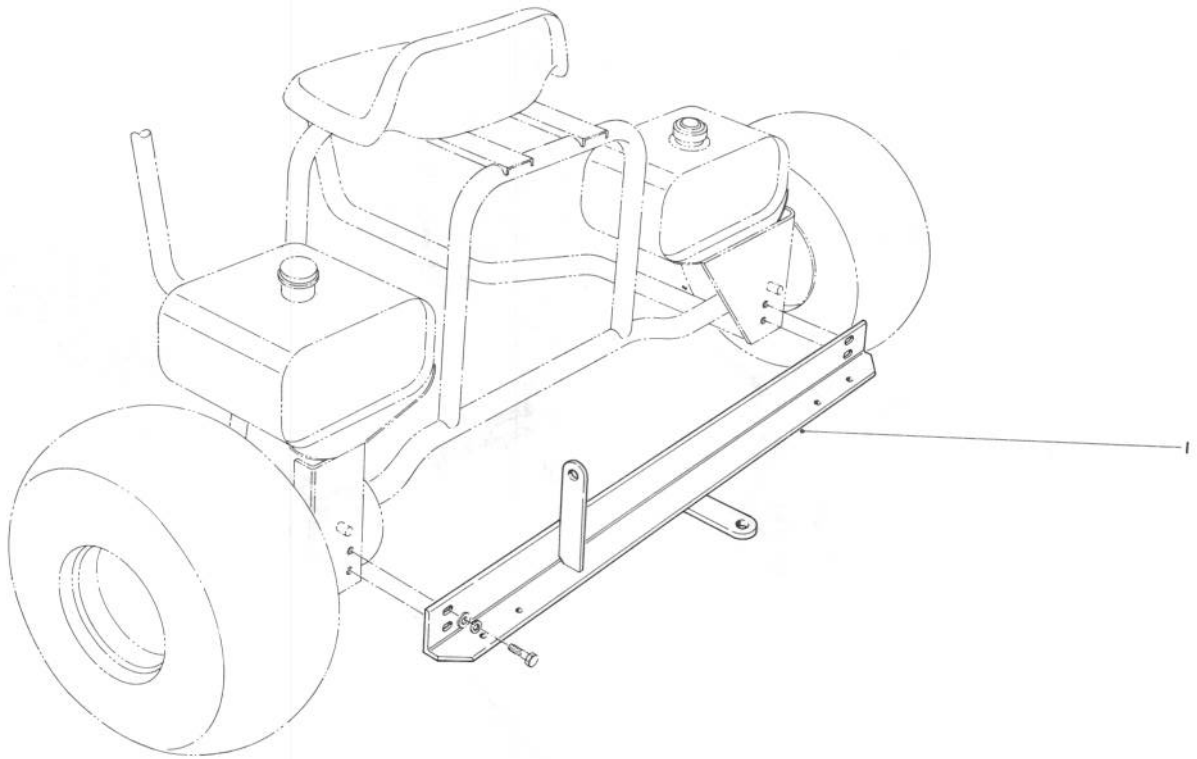
T-0254

PRONG RAKE KIT NO. 42-3960 (Optional)

Ref. No.	Part No.	Description	No. Used
1	42-1910	Plate	4
2	3217-7	Nut - Hex.	40

Ref. No.	Part No.	Description	No. Used
3	3253-29	Washer - Lock	40
4	42-1940	Prong - Rake	40

Note: Used with Rake Attachment Model No. 08811

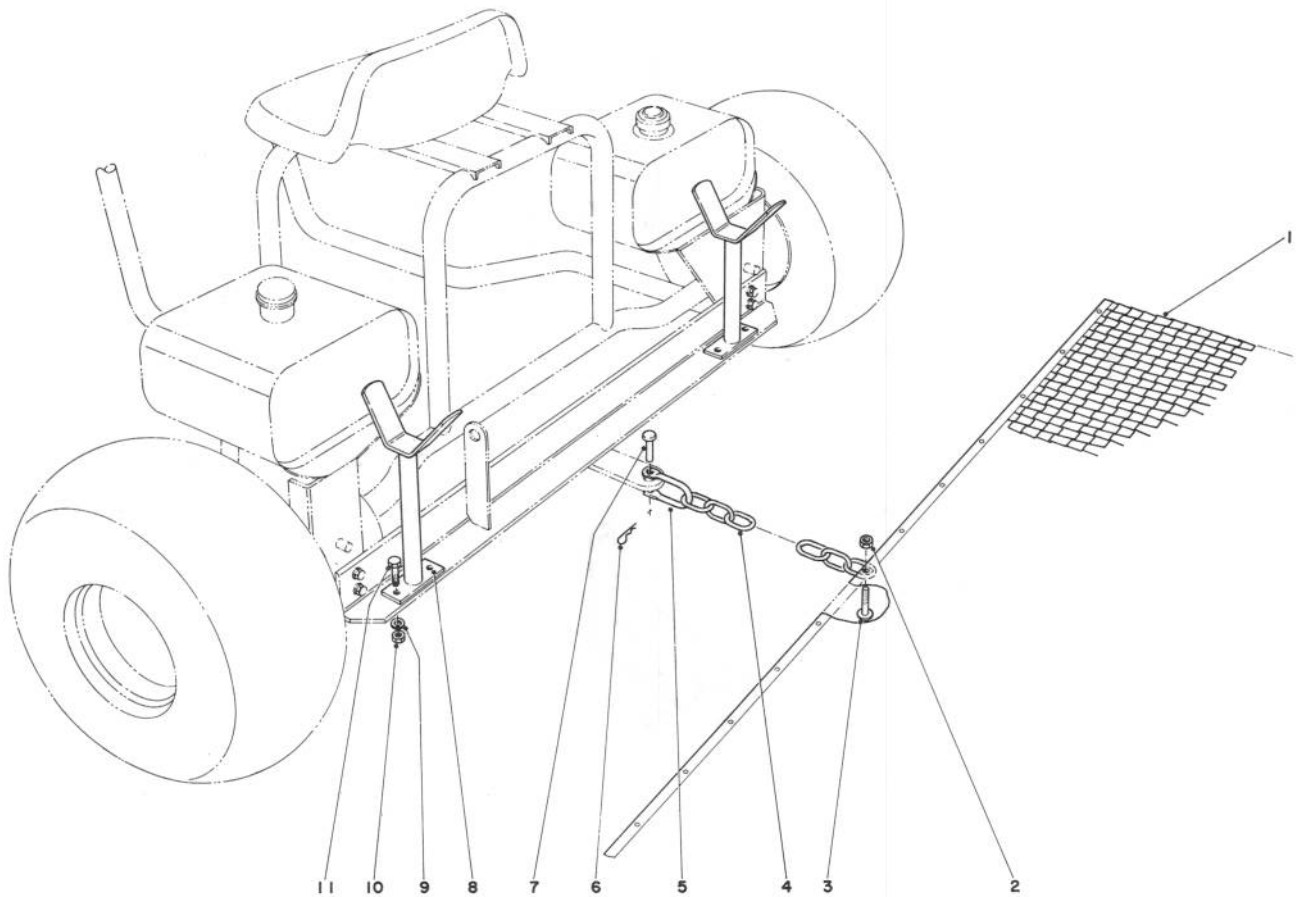


T-0255

HITCH KIT MODEL NO. 08833 (Optional)

Ref. No.	Part No.	Description	No. Used
1	20-3910	Hitch	1

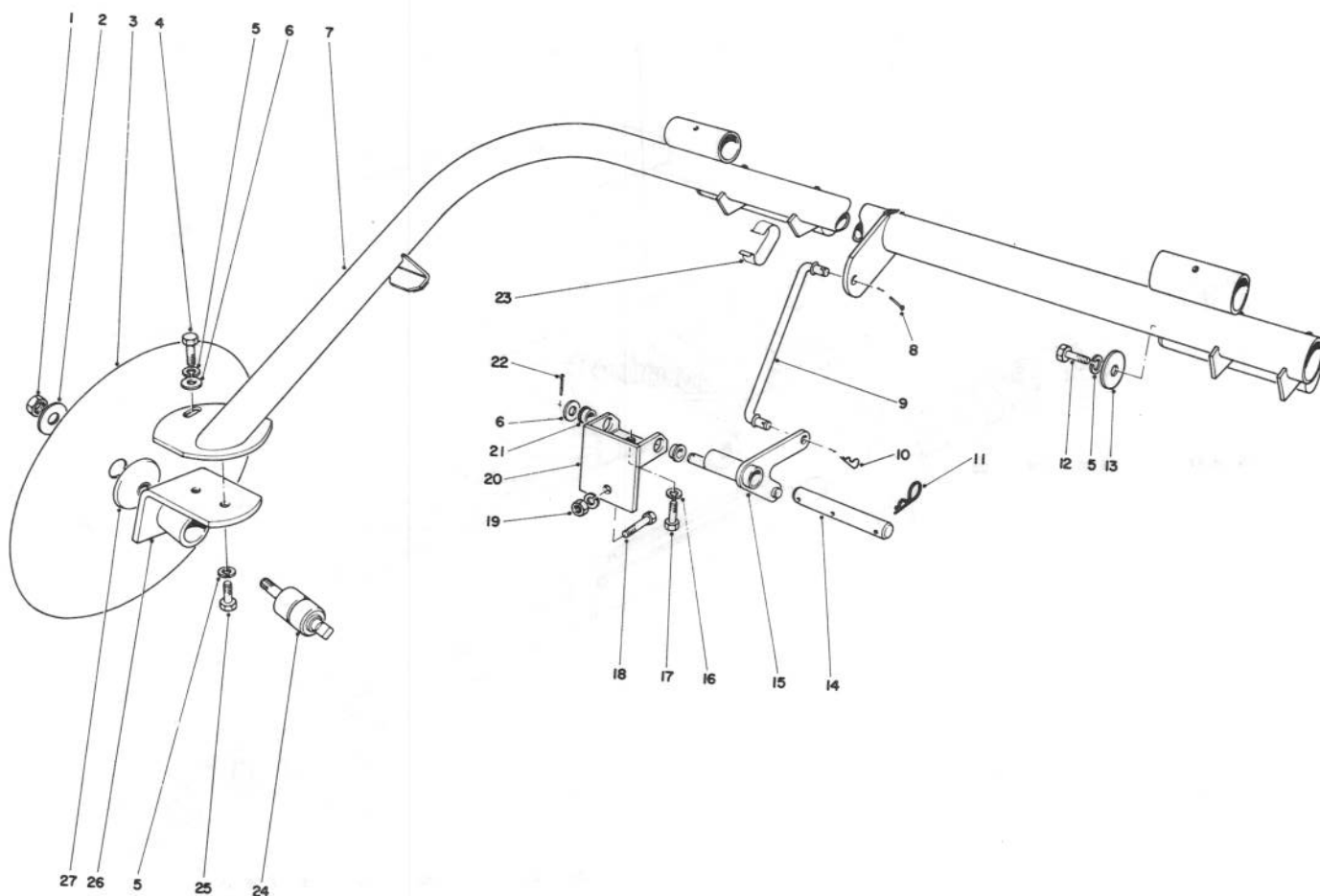
Ref. No.	Part No.	Description	No. Used



T-0256

DRAG MAT KIT MODEL NO. 08844 (Optional)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	20-4290	Mat - Drag	1	7	283-10	Pin	1
2	3296-29	Nut - Lock	1	8	28-0830	Holder - Mat, Drag	2
3	32122-35	Screw - Machine Screw	1	9	3253-21	Washer - Lock	4
4	2820-2	Chain	1	10	3217-7	Nut - Hex.	4
5	5-2942	Shackle	1	11	323-29	Screw - Cap, Hex. Hd.	4
6	3290-250	Pin - Hair, Cotter	1				

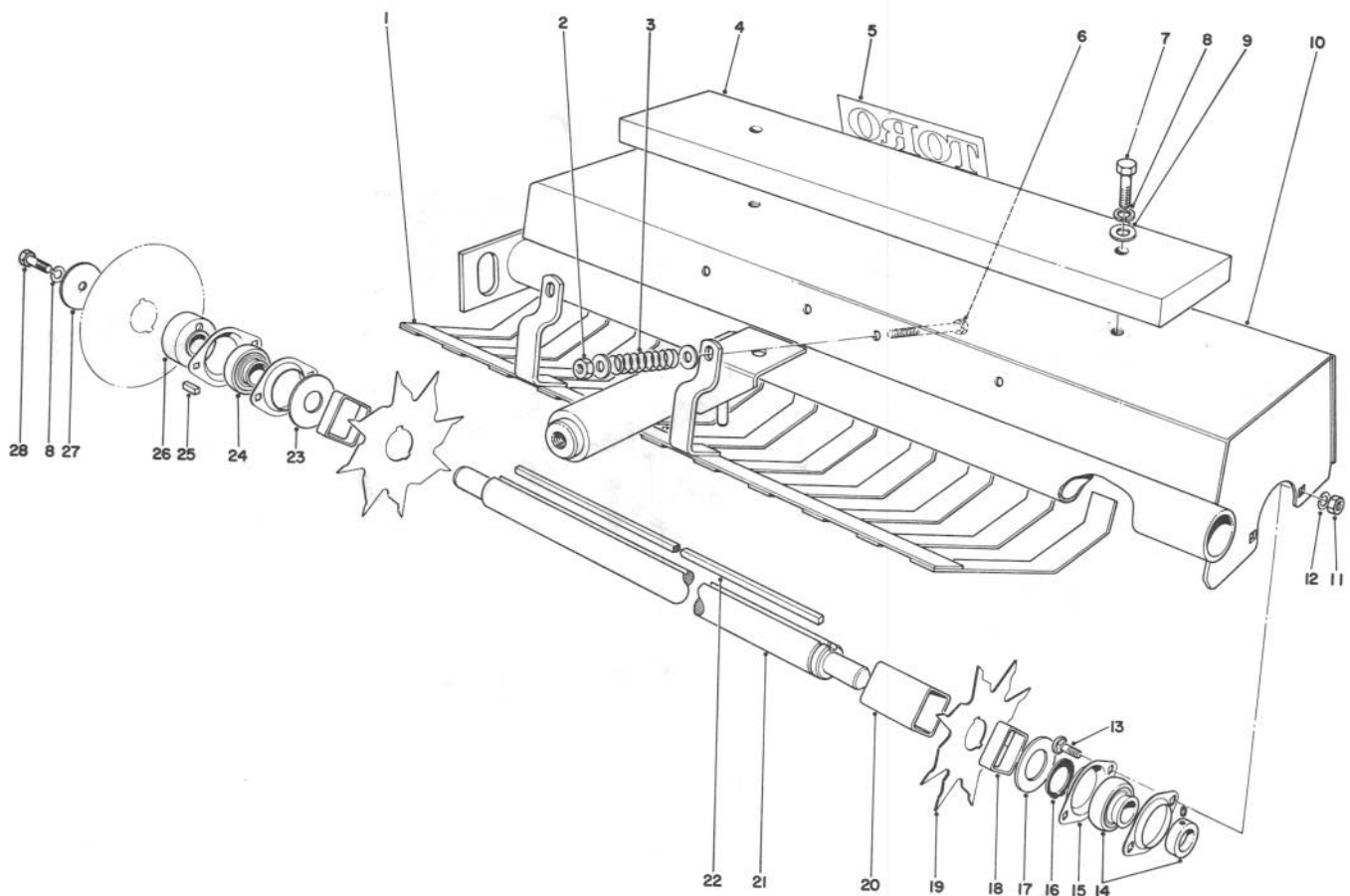


T-0257

EDGER KIT MODEL NO. 08822 (Optional)

Ref. No.	Part No.	Description	No. Used
1	3296-33	Nut - Lock	1
2	3256-7	Washer - Flat	1
3	20-4070	Disk - Edger	1
4	325-5	Screw - Cap, Hex. Hd.	1
5	3253-7	Washer - Lock	3
6	3256-26	Washer - Flat	2
7	20-4030	Arm - Edger	1
8	3272-2	Pin - Cotter	1
9	20-4190	Link - Actuator	1
10	3290-250	Pin - Hair, Cotter	1
11	3290-256	Pin - Hair, Cotter	2
12	323-4	Screw - Cap, Hex. Hd.	1
13	5-1720	Washer	1
14	20-4230	Pin - Cylinder	1
15	20-3980	Crank - Bell	1

Ref. No.	Part No.	Description	No. Used
16	3253-21	Washer - Lock	2
17	325-2	Screw - Cap, Hex. Hd.	1
18	323-7	Screw - Cap, Hex. Hd.	1
19	3217-7	Nut - Hex.	1
20	20-3970	Mount - Pivot (Incl. Ref. #21)	1
21	256-156	Bushing	2
22	3272-7	Pin - Cotter	1
23	20-4200	Clip - Spring	2
24	20-4090	Bearing - Disk	1
25	325-4	Screw - Cap, Hex. Hd.	1
26	20-4020	Plate - Support, Disk (Incl. Ref. #24)	1
27	20-4050	Support - Disk	1



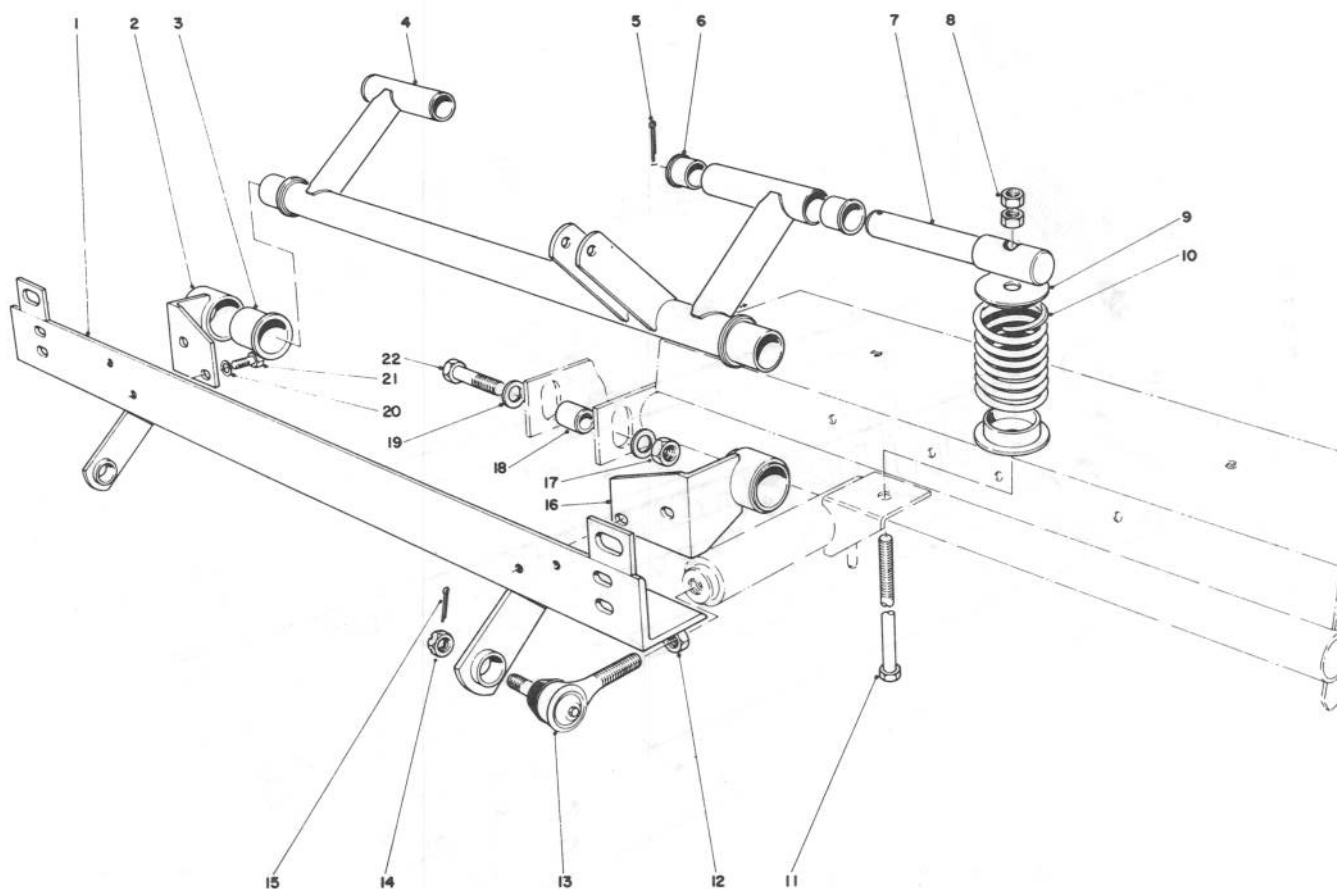
T-0258

SPIKER MODEL NO. 08855 (Optional)

Ref. No.	Part No.	Description	No. Used
1	20-9140	Assembly - Fork, L.H.	1
*	20-9150	Assembly - Fork, R.H.	1
2	3296-39	Nut - Lock	4
3	20-9550	Spring - Compression	4
4	20-9430	Weight	2
5	18-6900	Decal - Toro	1
6	323-14	Screw - Cap, Hex. Hd.	4
7	323-10	Screw - Cap, Hex. Hd.	4
8	3253-21	Washer - Lock	6
9	3256-24	Washer - Flat	12
10	20-9040	Assembly - Frame, L.H.	1
*	20-9050	Assembly - Frame, R.H.	1
11	3217-6	Nut - Hex.	8
12	3253-4	Washer - Lock	8
13	3230-1	Bolt - Carriage	8
14	251-253	Bearing - w/Collar	2

Ref. No.	Part No.	Description	No. Used
15	251-255	Flange	8
16	32151-44	Retaining - Ring	2
17	20-9490	Washer	2
18	20-7400	Spacer - End	4
19	20-7380	Spike - Blade	24
20	20-9480	Spacer	20
21	20-9470	Shaft	2
22	20-9460	Key	2
23	20-9500	Washer	2
24	251-254	Bearing	2
25	20-9540	Key	2
26	20-9980	Hub	2
27	20-9530	Washer - End	2
28	323-7	Screw - Cap, Hex. Hd.	2
*	21-6000	Spiker - Depth Gauge	1

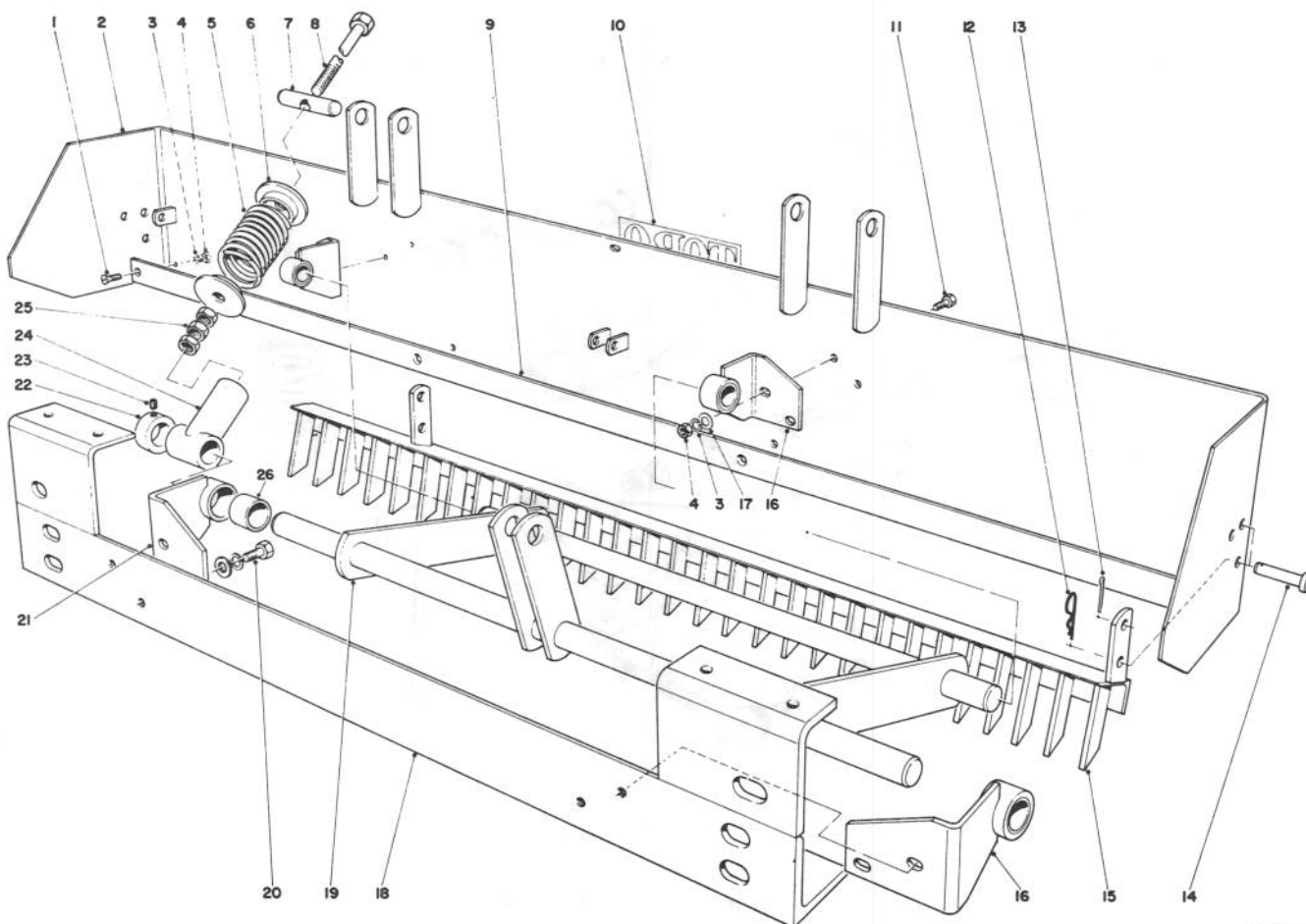
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T-0259

SPIKER MODEL NO. 08855 (Optional) (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	20-9310	Mount	1	12	20-9990	Nut	2
2	20-9270	Anchor R.H. (Incl. Ref. #3)	1	13	21-4010	Ball Joint (Incl. Ref. #14)	2
3	256-245	Bushing	2	14	32136-3	Nut - Slotted	2
4	20-9190	Arm - Lift (Incl. Ref. #6)	1	15	3272-7	Pin - Cotter	2
5	3272-13	Pin - Cotter	2	16	20-9260	Anchor - L.H. (Incl. Ref. #3)	1
6	256-10	Bushing	2	17	3296-25	Nut - Lock	1
7	20-9400	Pin - Actuating	2	18	20-9410	Tube - Support, Center	1
8	3217-9	Nut - Hex.	4	19	3256-26	Washer - Flat	2
9	20-9350	Mount - Spring	4	20	3253-21	Washer - Lock	4
10	20-9420	Spring	2	21	323-5	Screw - Cap, Hex. Hd.	4
11	20-9390	Rod - Actuating	2	22	325-8	Screw - Cap, Hex. Hd.	1



T-0260

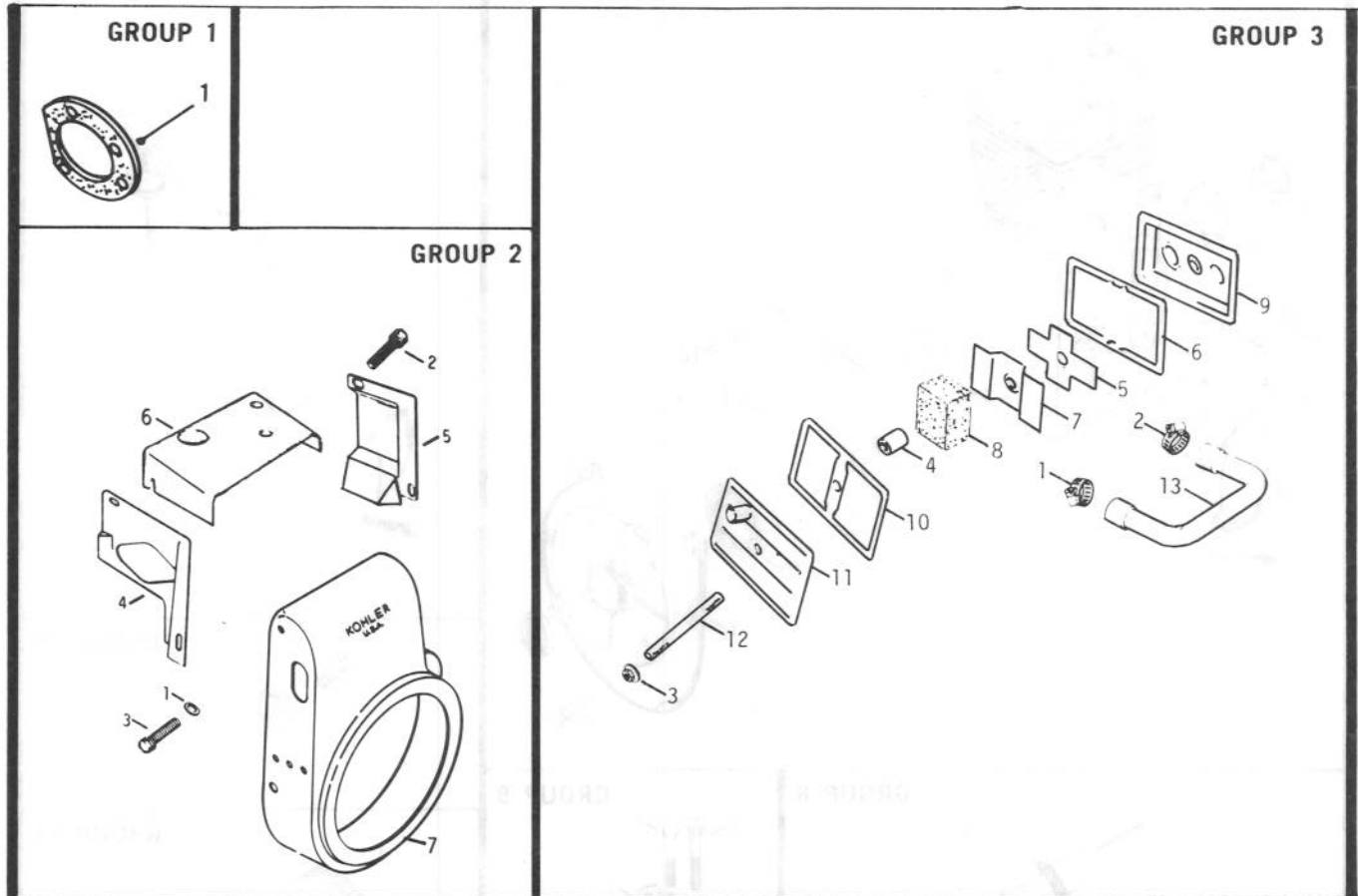
FINISH GRADER KIT MODEL NO. 08867 (Optional)

Ref. No.	Part No.	Description	No. Used
1	32108-39	Screw - Flat Hd.	4
2	23-2780	Plow	1
3	3253-21	Washer - Lock	12
4	3217-7	Nut - Hex.	12
5	20-9420	Spring - Compression	2
6	23-2760	Mount - Spring	4
7	23-2740	Pin - Actuating	2
8	23-2770	Rod - Actuating	2
9	23-2790	Blade - Scraper	1
10	18-6900	Decal - Toro	1
11	323-7	Screw - Cap, Hex. Hd.	4
12	3290-355	Pin - Hair, Cotter	2
13	3272-11	Pin - Cotter	3
14	283-40	Pin - Clevis	5
15	23-2750	Scarifier (43 Fingers)	1

Ref. No.	Part No.	Description	No. Used
*	23-3010	Scarifier (22 Fingers)	1
16	23-2810	Anchor L.H. (Incl. Ref. #26)	2
17	3256-24	Washer - Flat	8
18	23-2710	Mount	1
19	23-2680	Arm - Lift	1
20	323-5	Screw - Cap, Hex. Hd.	4
21	23-2690	Anchor R.H. (Incl. Ref. #26)	2
22	23-2730	Collar - Lock	2
23	3246-1	Screw - Set	2
24	23-2720	Sleeve - Adjusting	2
25	3217-11	Nut - Hex.	6
26	256-237	Bushing	4

*Not Illustrated

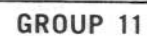
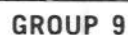
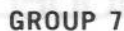
ENGINE KOHLER MODEL NO. K321S SPEC. NO. 60434



ENGINE KOHLER MODEL NO. K321S SPEC. NO. 60434

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	4504107	AIR INTAKE - GROUP 1 Gasket - Air Horn	1			BREATHER & VENT GROUP 3	
1	X-25-53	Washer - Plain	1	1	X-426-3	Clamp - Hose	1
2	X-132-2	Screw - H.C.	1	2	X-426-9	Clamp - Hose	1
3	X-132-6	Screw - HC.	3	3	X-799-1	Palnut	1
4	235652	Baffle - Side Air	1	4	231032	Seal - Breather	1
5	236676	Baffle - Cylinder	1	5	235047	Reed - Breather	1
6	237677	Baffle - Head	1	6	235048	Gasket - Breather Plate	1
7	4702718	Housing - Blower	1	7	235117	Baffle - Breather	1
				8	235118	Filter - Breather	1
				9	235631	Plate - Breather	1
				10	275144	Gasket - Valve Cover	1
				11	275839	Cover - Valve	1
				12	275220	Stud - Valve Cover	1
				13	4732602	Hose	1

15



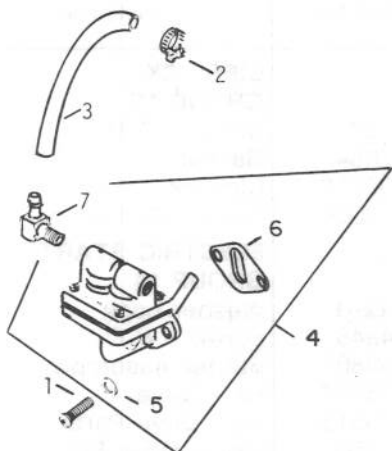
ENGINE KOHLER MODEL NO. K321S SPEC. NO. 60434

Ref. No.	Part No.	Description	No. Used
		CRANKCASE GROUP 7	
1	X-132-6	Screw - H.C.	4
2	X-159-2	Screw - H.C.	4
3	X-230-11	Plug	1
4	4703206	Seal - Front Oil	1
5	4703207	Seal - Rear Oil	1
6	235025	Gasket - Cover	1
7	235026	Cover - Camshaft	1
8	235070	Gasket (A.R.)	1
9	235125-S	Shaft - Governor	1
10	235376	Bearing - Ball	2
11	235757	Gasket - Bearing Plate	1
12	236559	Shaft - Balance Gear Stub	2
13	4515602	Plate - Bearing	
		Block - Cylinder Assembly	
	4778283	(Use: Miniblock)	1
14	230265	Insert - Intake	2
15	235007-S	Guide - Valve	2
16	234866	Bearing	1
		CRANKSHAFT GROUP 8	
1	4504303	Gear Assembly	2
2	4703001	Bearing - Needle	2
3	4775501	Kit - Spacer	1
4	X-269-34	Retainer	1
5	4514228	Kit - Crankshaft	
		Incl. Flywheel Hardware	1
		CYLINDER HEAD GROUP 9	
1	4744502	Strap - Lifting	1
2	4704115	Gasket - Head	1
3	237670	Head - Cylinder	1
4	270158	Screw - H.C.	8
5	270721	Screw - H.C.	1
6	270889	Washer	10

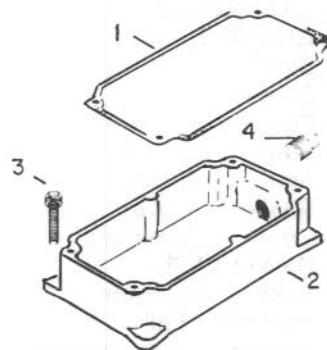
Ref. No.	Part No.	Description	No. Used
		DIPSTICK GROUP 10	
1	X-131-2	Screw - R.H.	3
2	237064	Gasket	1
3	4703816	Dipstick	1
4	4718004	Tube - Oil Fill	1
		ELECTRIC START GROUP 11	
1	X-22-1	Washer Lock	2
2	234948	Screw - H.C.	2
3	4509807	Starter Assembly	1
4	4775507	Kit - Drive	1
5	4775513	Kit - Drive Parts	1
6	237650	Cap - Drive End	1
7	4517002	Armature	1
8	4822704	Cap - Commutator End	1
9	4875515	Kit - Brush	1
10	237649	Thru Bolt w/Washer	2
	5235701	Lubricant Starter	1
		EXHAUST GROUP 12	
1	4107219	Stud	2
2	235122	Gasket - Exhaust	1
		FLYWHEEL GROUP 13	
1	4702528	Flywheel	1
5	X-46-3	Key - Woodruff	1
6	5246815	Washer - Plain	1
7	2508624	Screw - Hex. Machine	1

ENGINE KOHLER MODEL NO. K321S SPEC. NO. 60434

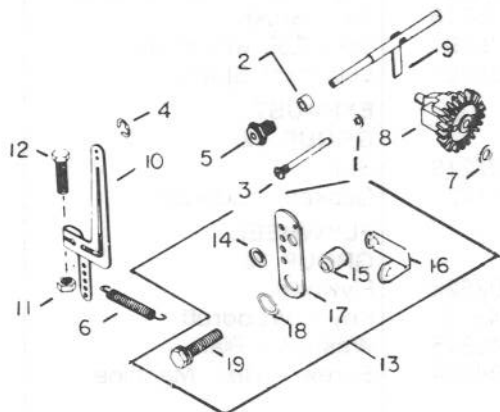
GROUP 14



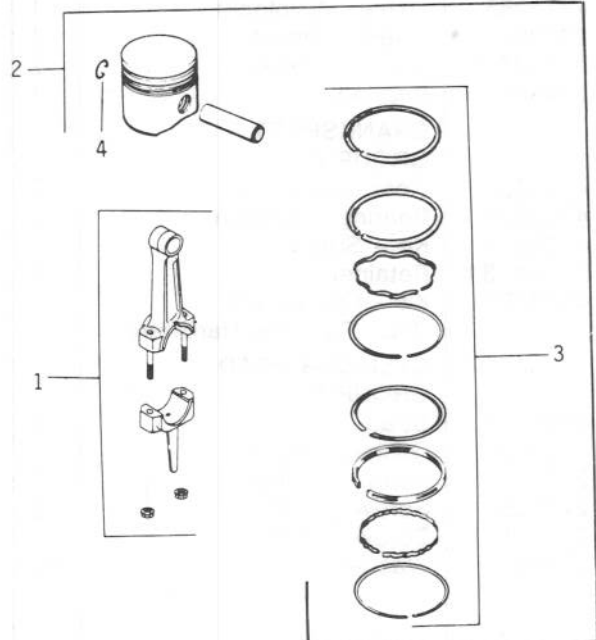
GROUP 21



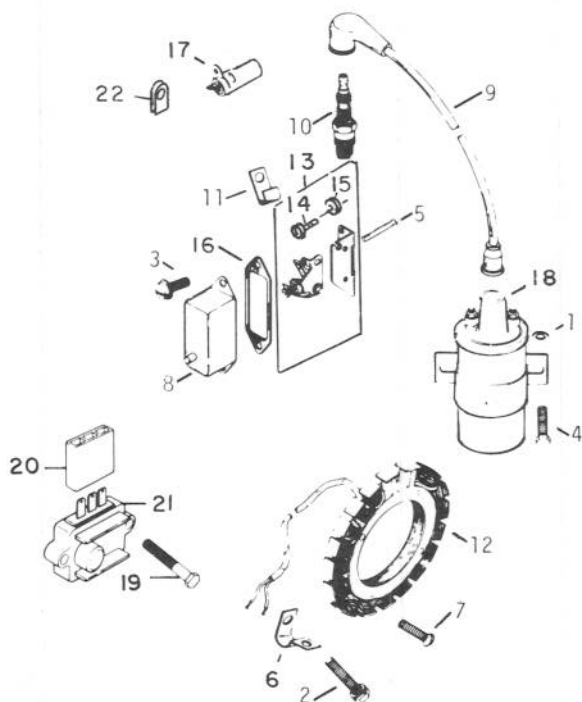
GROUP 17



GROUP 22



GROUP 18



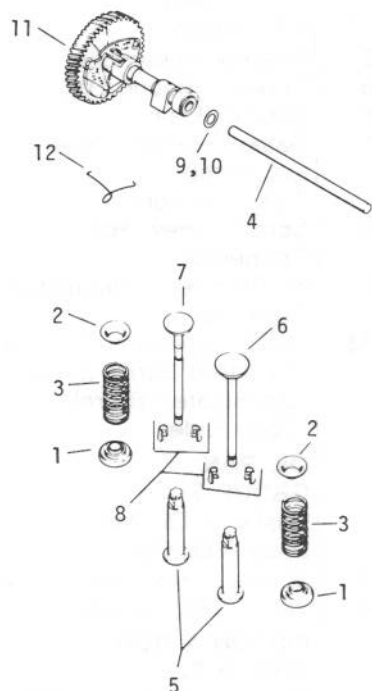
ENGINE KOHLER MODEL NO. K321S SPEC. NO. 60434

Ref. No.	Part No.	Description	No. Used
		FUEL PUMP GROUP 14	
1	X-174-2	Screw - Flat Hd.	2
2	X-426-9	Clamp - Hose	2
3	2535301	Line - Fuel	1
4	4755904	Pump - Fuel Assembly	1
5	X-25-63	Washer - Plain	2
6	2504105	Gasket - Fuel Pump	1
7	2515502	Connector - 90° Hose	2
		GOVERNOR GROUP 17	
1	2546801	Washer - Plain	1
2	X-400-80	Spacer	1
3	231355	Pin - Governor Stop	1
4	235278	Retainer - Rod	1
5	235476	Bushing	1
6	235496	Spring - Governor	1
7	237022	Washer - Thrust	1
8	A-235743S	Gear - Governor	1
9	A-235256S	Kit - Governor Cross Shaft	1
10	A-237653	Lever - Governor Assy.	1
11	X-799-1	Palnut	1
12	X-776-1	Screw	1
13	A-236895	Bracket - Control Assy.	1
14	X-25-63	Washer - Plain	1
15	235085	Spacer	1
16	235084	Bracket	1
17	235086	Bracket	1
18	275690	Washer - Wave	1
19	X-132-9	Screw - Hex. Hd.	1
		IGNITION GROUP 18	
1	X-25-52	Washer - Plain	1
2	X-67-59	Screw - Tapping	1
3	X-131-1	Screw - Flat Hd.	4
4	X-132-2	Screw - Hex. Hd.	2
5	4741104	Rod - Breaker Push	1
6	X-728-1	Clip - Hi-Tension	1
7	X-67-51	Screw - Stator Mounting (After Serial No. 1728100005)	4
8	232535	Cover	1
9	238057	Kit - Hi-Tension Lead	1

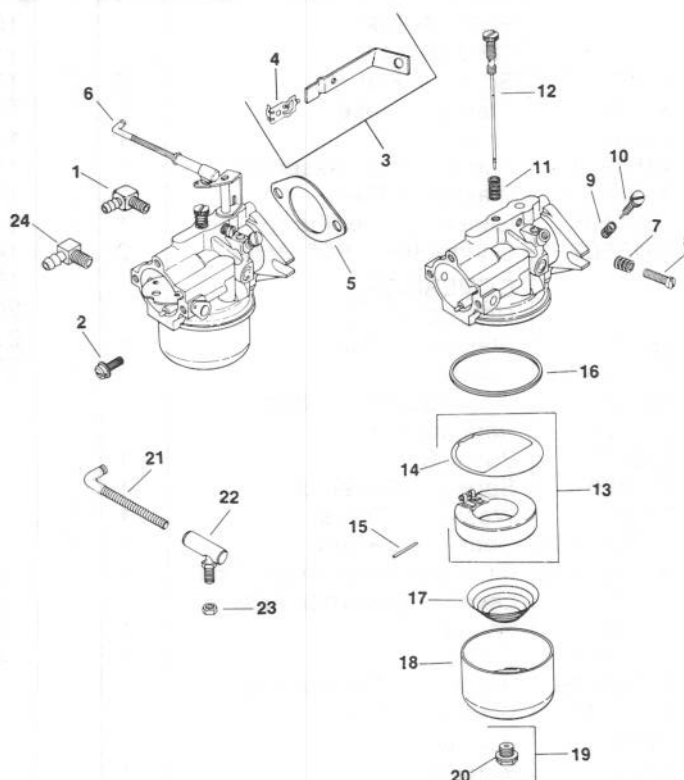
Ref. No.	Part No.	Description	No. Used
10	2513202	Plug - Spark	1
11	275303	Clip - Lead	1
12	237878	Kit - Stator	1
13	4715003	Breaker Assembly	1
14	X-141-5	Screw - Round Hd.	2
15	X-25-65	Washer Plain	2
16	5204111	Gasket - Point Cover	1
17	230722	Condenser	1
18	231281	Coil - Ignition	1
19	X-132-5	Screw - Hex. Hd.	2
20	236602	Connector	1
21	2575503	Kit Rectifier - Regulator	2
22	220297	Grommet	1
	A-231533	Lead - Breaker (17"- Gag. Insulated Barrel Eyelet - Uninsulated Barrel Open Side)	1
		OIL PAN GROUP 21	
1	235057	Gasket - Oil Pan	1
2	235147	Base - Oil Pan	1
3	X-159-3	Screw - Hex. Hd.	4
4	X-305-4	Plug - Mag. Drain	1
		PISTON & ROD GROUP 22	
		Connecting Rod Assembly	
	4506724	Connecting Rod (Std.)	1
	4506725	Connecting Rod (.010)	1
	4787421	Piston w/Ring Set (Std.)	1
	4787422	Piston w/Ring Set (.003)	1
	4787423	Piston w/Ring Set (.010)	1
	4787424	Piston w/Ring Set (.020)	1
	4787425	Piston w/Ring Set (.030)	1
	4710805	Ring Set (Std. & .003)	1
	4710806	Ring Set (.010)	1
	4710807	Ring Set (.020)	1
	4710808	Ring Set (.030)	1
	4701801	Retainer, Piston Pin	2
	7752261	Short Block	1
	4778283	Miniblock	1
	4775508	Gasket Set w/Seals	1
	4700401	Gasket Set w/o Seals	1

ENGINE KOHLER MODEL NO. K321S SPEC. NO. 60434

GROUP 4



GROUP 5



Ref. No.	Part No.	Description	No. Used
CAMSHAFT & VALVES GROUP 4			
1	5241301	Rotator	2
2	235011	Retainer - Spring Upper	2
3	235168	Spring - Valve	2
4	4738009	Pin - Camshaft	1
5	D-235327	Tappet	2
6	235582	Valve - Intake	1
7	237672	Valve - Exhaust	1
8	4175510	Kit - Retainer	2
9	275066	Spacer .005 (A.R.)	1
10	275067	Spacer .010 (A.R.)	1
11	4701009	Camshaft Assembly	1
12	4708901	Spring - Actuating	1
CARBURETOR GROUP 5			
1	2515502	Connector - 90° Hose	1
2	X-770-1	Screw - Std. Hd.	2
3	A-236919	Bracket - Choke Assembly	1
4	235603	Clip	1
5	271030	Gasket - Carburetor	1

Ref. No.	Part No.	Description	No. Used
6	4705361	Carburetor Assembly	1
7	232555	Spring - Idle Speed	1
8	232556	Screw - Idle Speed Adj.	1
9	200380	Spring - Idle Fuel	1
10	275231	Needle - Idle Fuel Adj.	1
11	200383	Spring - Main Fuel	1
12	4510301	Needle - Main Fuel Adj.	1
13	2575703	Kit - Float	1
14	2504102	Gasket - Bowl Baffle	1
15	200376	Pin - Float Hinge	1
16	200375	Gasket - Bowl	1
17	237917	Spring - Float	1
18	235448	Bowl - Fuel	1
19	4710006	Screw - Bowl Retainer	1
20	200372	Gasket - Bowl Ret. Screw	1
21	235277	Rod - Ball Joint	1
22	4520803	Joint - Ball	1
23	X-70-3	Nut - Hex.	1
24	X-391-10	Connector - 90° Hose	1
	2575702	Kit - Carburetor Repair	1
	2575705	Kit - Throttle & Choke Shaft	1

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 Sand Pro 14 has two identification numbers; a model number and a serial number. The two numbers are stamped on a plate which is located on the left fender. In any correspondence concerning the Sand Pro 14, 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 Sand Pro 14.
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.

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