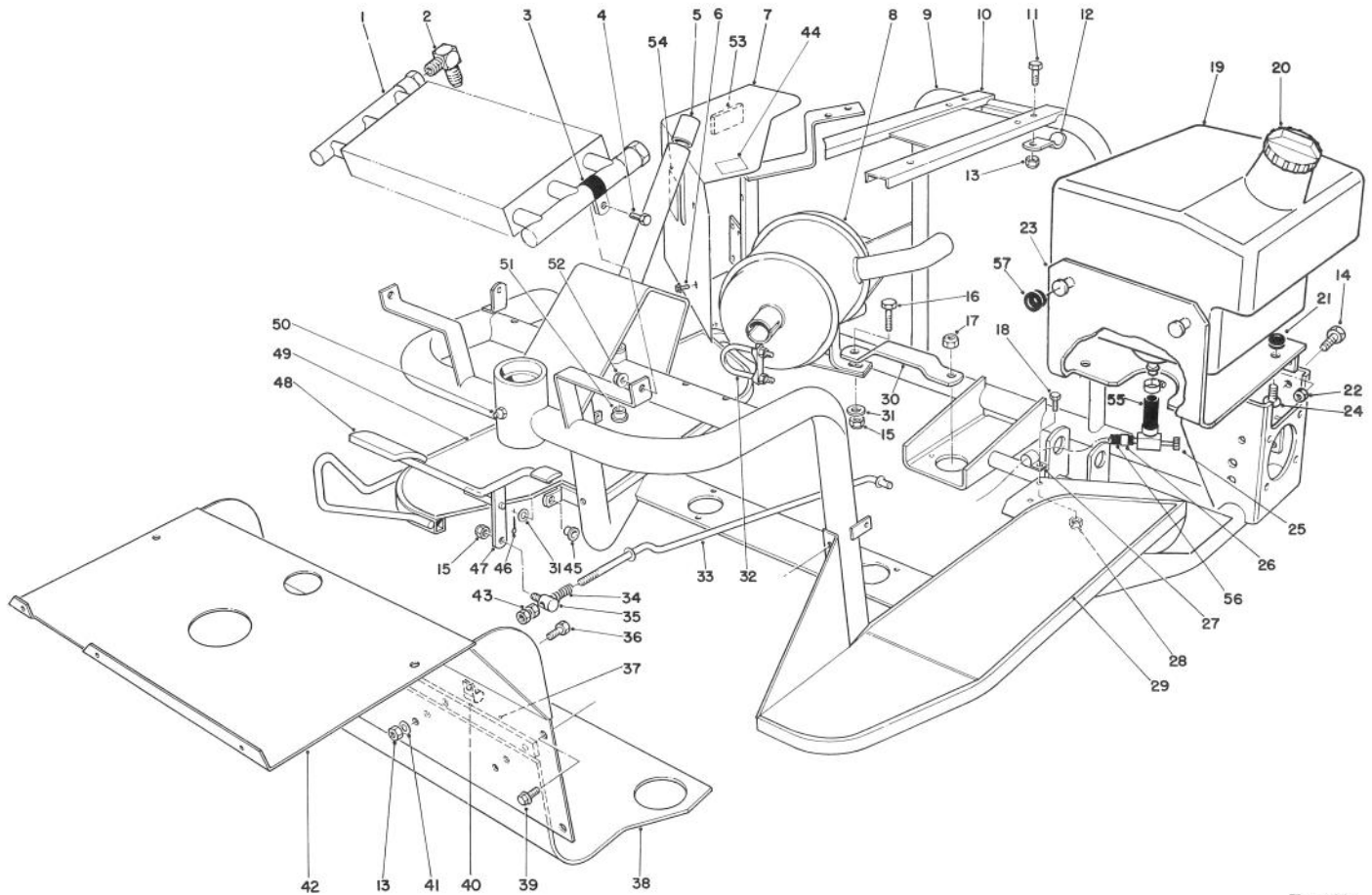


TORO®

MODEL NO. 08882-20001 & UP

PARTS CATALOG

SAND PRO® 2000



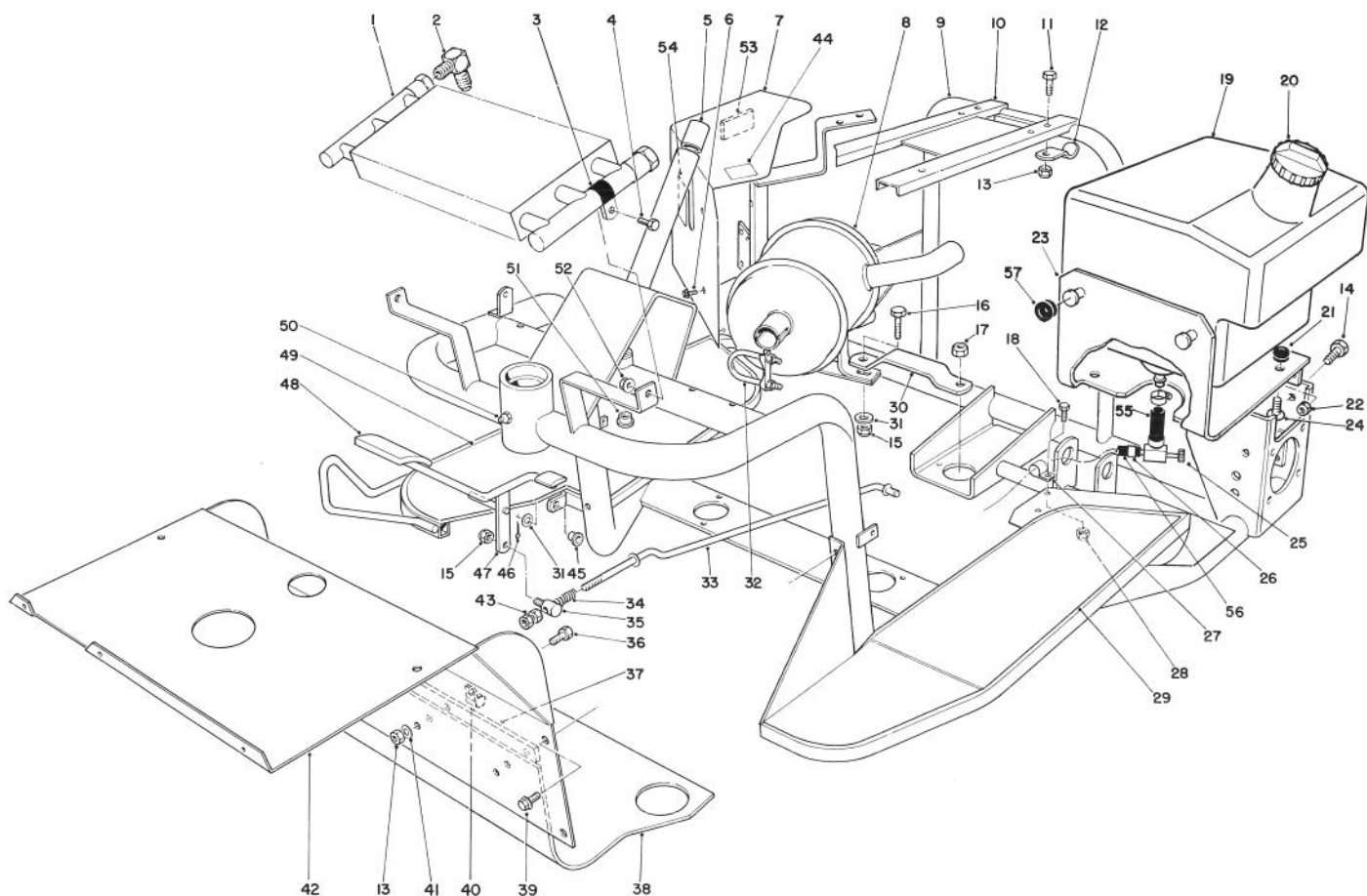
T-1422

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	84-8170	Shroud - Valve	1
8	51-0700	Muffler	1
*	51-0990	Spark Arrestor - Muffler	1
9	84-7840	Frame (Incl. Ref. #5, 45 & 51)	1
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	4
14	323-6	Screw - Cap, Hex Hd.	3
15	3296-44	Nut - Lock	4

Ref. No.	Part No.	Description	No. Used
16	323-7	Screw - Cap, Hex Hd.	1
17	3296-59	Nut - Lock	1
18	321-4	Screw - Cap, Hex Hd.	1
19	77-0990	Tank - Gas	1
20	70-8631	Cap - Gas	1
21	237-136	Grommet	4
22	3296-39	Nut - Lock	3
23	84-8110	Base - Tank, Fuel	1
24	3250-36	Screw	4
25	56-2520	Fitting	1
26	2412-36	Clamp	3
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
32	2412-37	Assembly - Clamp, Muffler	1

*Not Illustrated

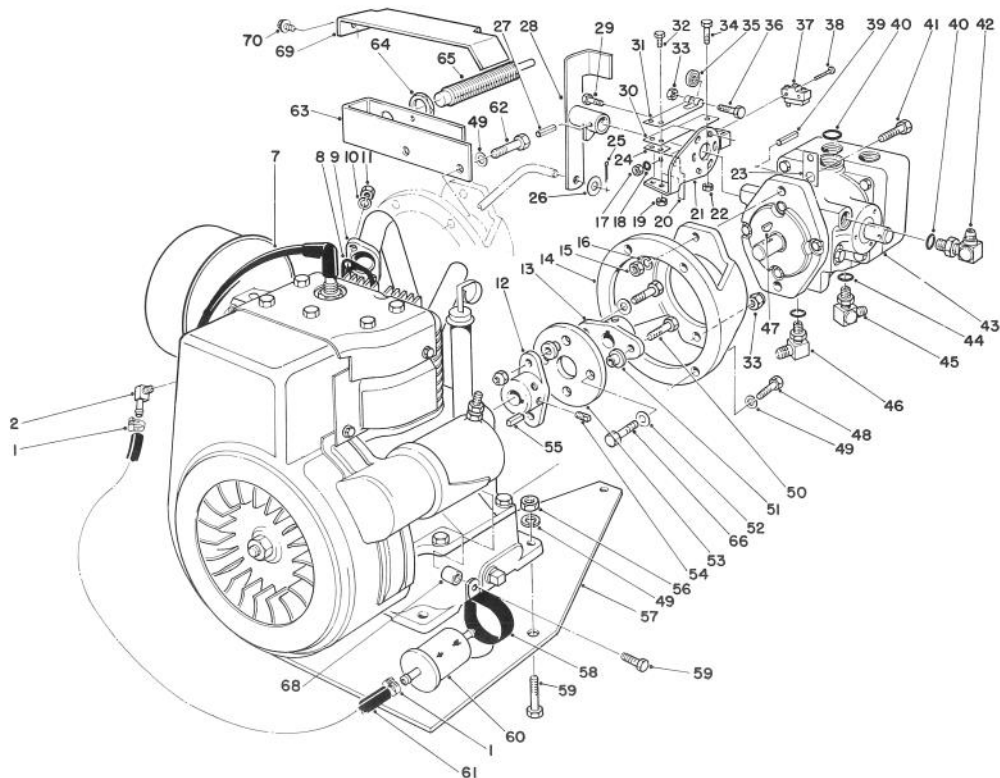


T-1422

FRAME ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
33	86-4930	Rod - Pump	1
34	38-0860	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	3220-4	Nut - Jam	2
44	63-8440	Decal - Hot Surface	1
45	256-116	Bushing	2

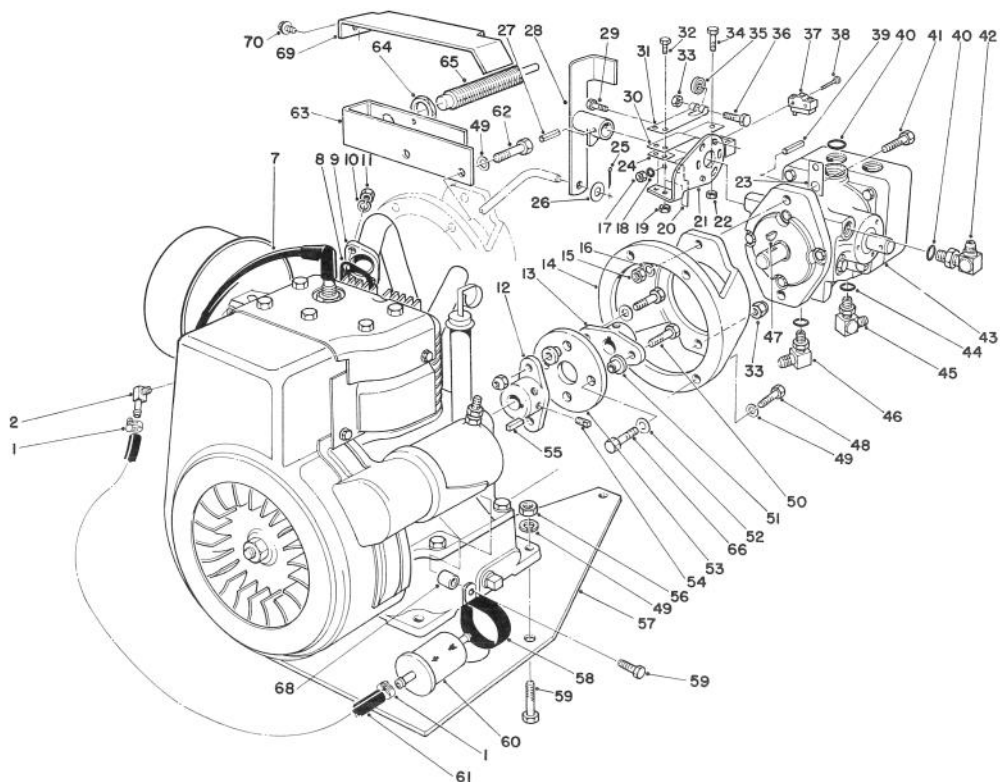
Ref. No.	Part No.	Description	No. Used
46	3272-4	Pin - Cotter	1
47	85-6500	Pedal	1
48	74-9100	Pad - Pedal, Forward	1
49	51-0570	Pad - Foot Rest, R.H.	1
50	302-11	Fitting - Grease	1
51	256-155	Bushing	2
52	3290-357	Nut - Flange	2
53	55-4450	Sponge - Self Adhesive	1
54	80-1910	Decal - Lift	1
55	86-5020	Hose - Gas	1
56	84-8050	Hose - Gas	1
57	240-9	Grommet	3



T-1423

ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	2412-108	Clamp - Hose	3	29	11-9760	Screw - Self Tapping Hex. Head	3
2	46-3710	Fitting		30	29-6170	Assembly - Extended Leaf Spring	1
6	51-0670	Hose - Fuel Line	1	31	29-6150	Leaf - Spring	1
7	84-8060	Engine - Kohler (M12S Type 55709)	1	32	321-4	Screw - Cap, Hex. Hd.	2
8	2210-118	Gasket - Exhaust	1	33	3296-29	Nut - Lock	5
9	49-9550	Pipe - Exhaust	1	34	3210-7	Screw - Cap, Hex. Hd.	1
10	3253-4	Washer - Lock	2	35	251-259	Bearing	1
11	3217-6	Nut - Hex	2	36	322-17	Screw - Cap, Hex. Hd.	1
12	27-1960	Coupling - Engine	1	37	29-6162	Switch - Micro	1
13	49-9600	Hub - Pump	1	38	3249-11	Screw - Mach. Rd. Hd.	2
14	37-8030	Mount - Pump	1	39	32121-16	Pin - Roll	1
15	3217-9	Nut - Hex	2	40	237-79	O-Ring	3
16	3253-7	Washer - Lock	2	41	325-8	Screw - Cap, Hex. Hd.	1
17	3217-16	Nut - Hex	2	42	353-370	Elbow - 90° Adj.	1
18	3254-9	Washer - Lock, Int. Tooth	2	43	53-9360	Pump	1
19	3296-42	Nut - Lock	2	44	237-42	O-Ring	2
20	46-8810	Stop - Leaf Spring	1	45	353-374	Elbow - 90° Adj.	1
21	29-6120	Plate - Pump	1	46	353-511	Elbow - 90° Adj.	1
22	3219-2	Nut - Hex	1	47	3257-32	Key - Woodruff	1
23	26-2950	Stand Off - Wire	1	48	323-6	Screw - Cap, Hex. Hd.	2
24	51-3150	Shim - Spring Arm	1	49	3253-5	Washer - Lock	6
25	3272-16	Pin - Cotter	1	50	322-16	Screw - Cap, Hex. Hd.	4
26	3256-25	Washer - Flat	1	51	27-6600	Spacer - Coupling, Rubber	4
27	32121-24	Pin - Roll	1	52	3256-23	Washer - Flat	4
28	86-5000	Pump - Lever, W.A.	1				

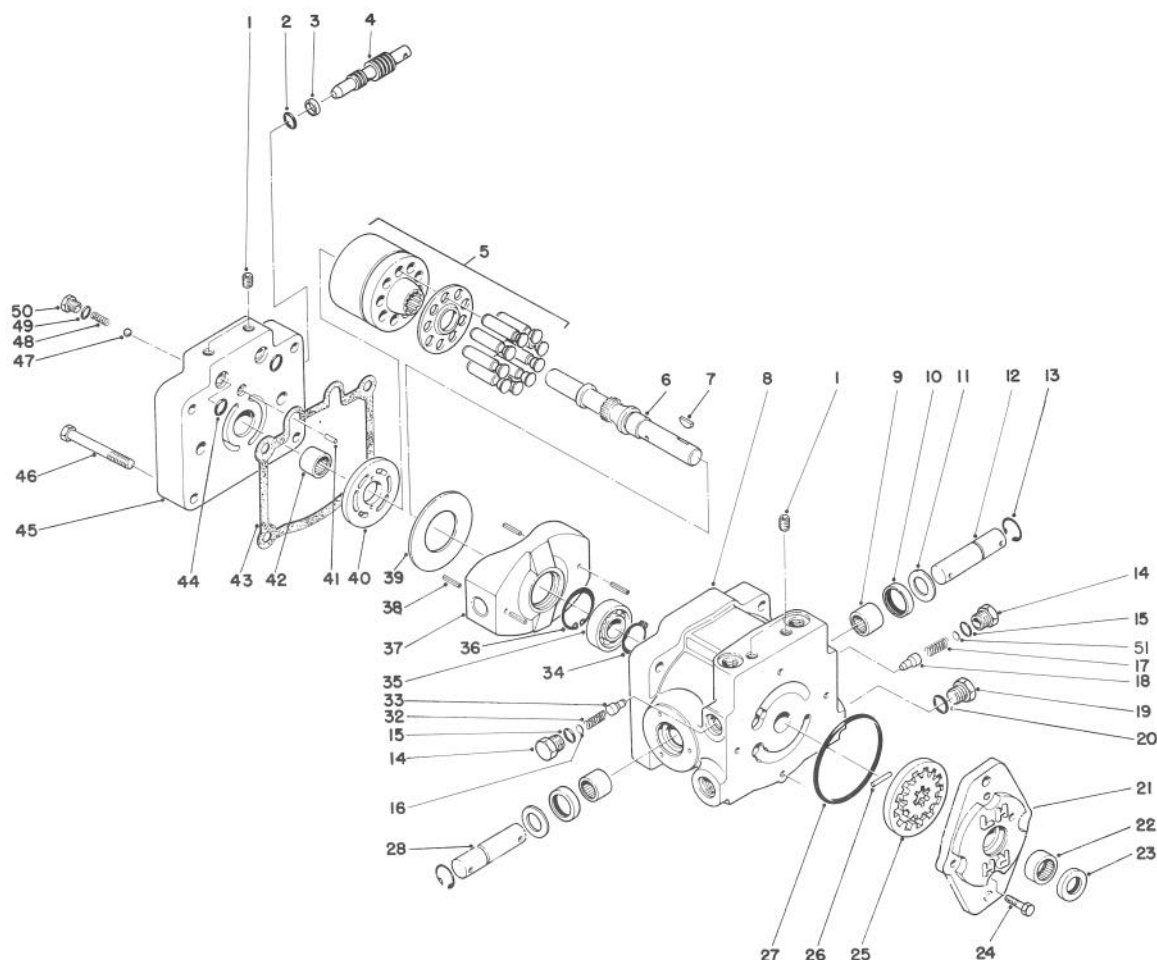


ENGINE ASSEMBLY (Continued)

T-1423

Ref. No.	Part No.	Description	No. Used
53	44-2230	Coupling - Rubber	1
54	3241-5	Screw - Set, Sq. Hd.	4
55	10-7070	Key - Square	1
56	3217-7	Nut - Hex	2
57	49-9500	Base - Engine	1
58	2412-44	R-Clamp	1
59	323-8	Screw - Cap, Hex. Hd.	2
60	18-1520	Assembly - Filter, Gas	1
61	51-0670	Hose - Fuel	1

Ref. No.	Part No.	Description	No. Used
62	323-7	Screw - Cap Hex. Hd.	2
63	86-4920	Bracket - Dampener	1
64	86-4980	Nut - Jam	1
65	86-4970	Dampener	1
66	325-7	Screw - Cap Hex. Hd.	1
68	61-3230	Spacer	1
69	86-5070	Shield - Dampener	1
70	46-8560	Screw - Hex. Washer Hd.	3



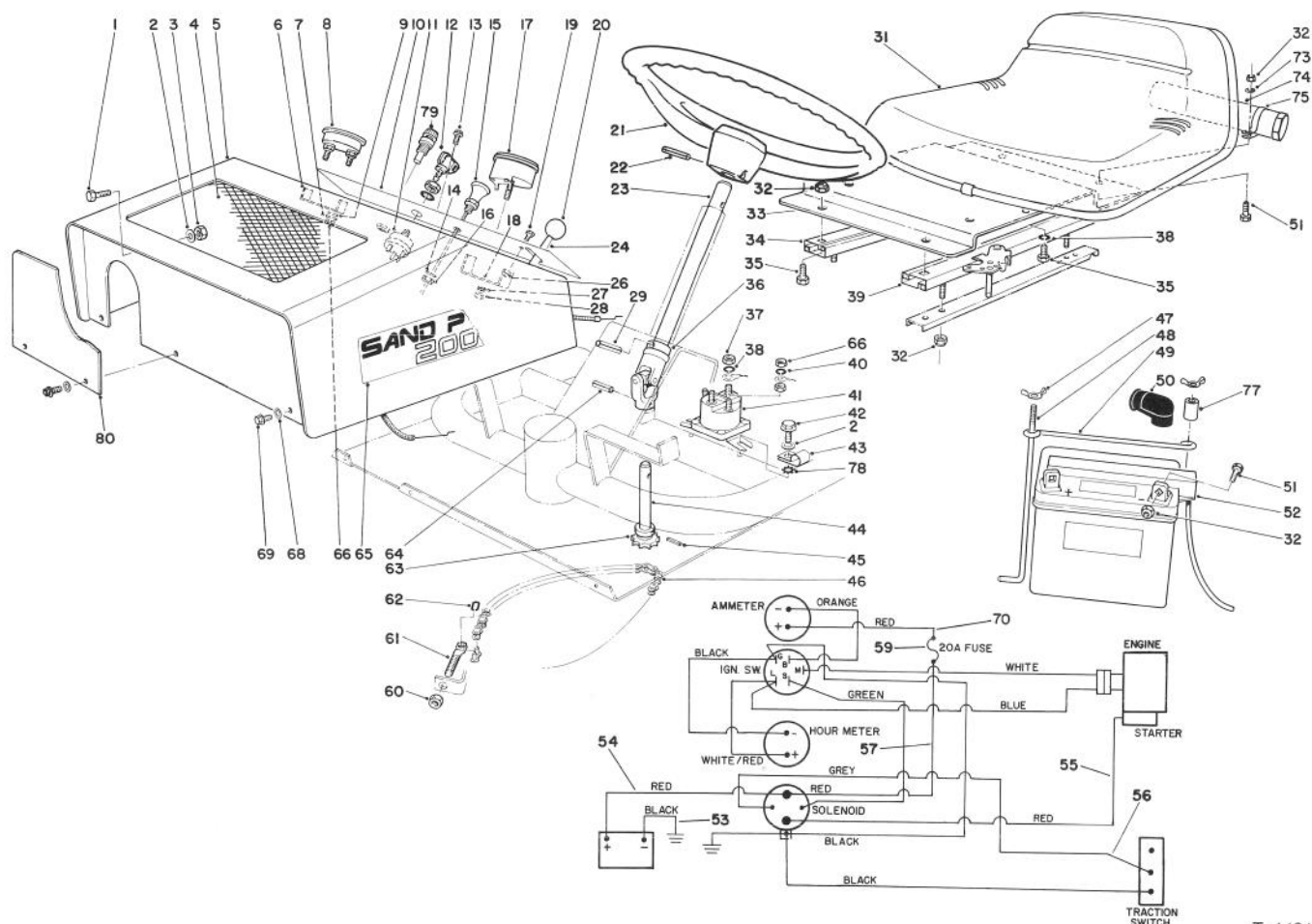
T-0245

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

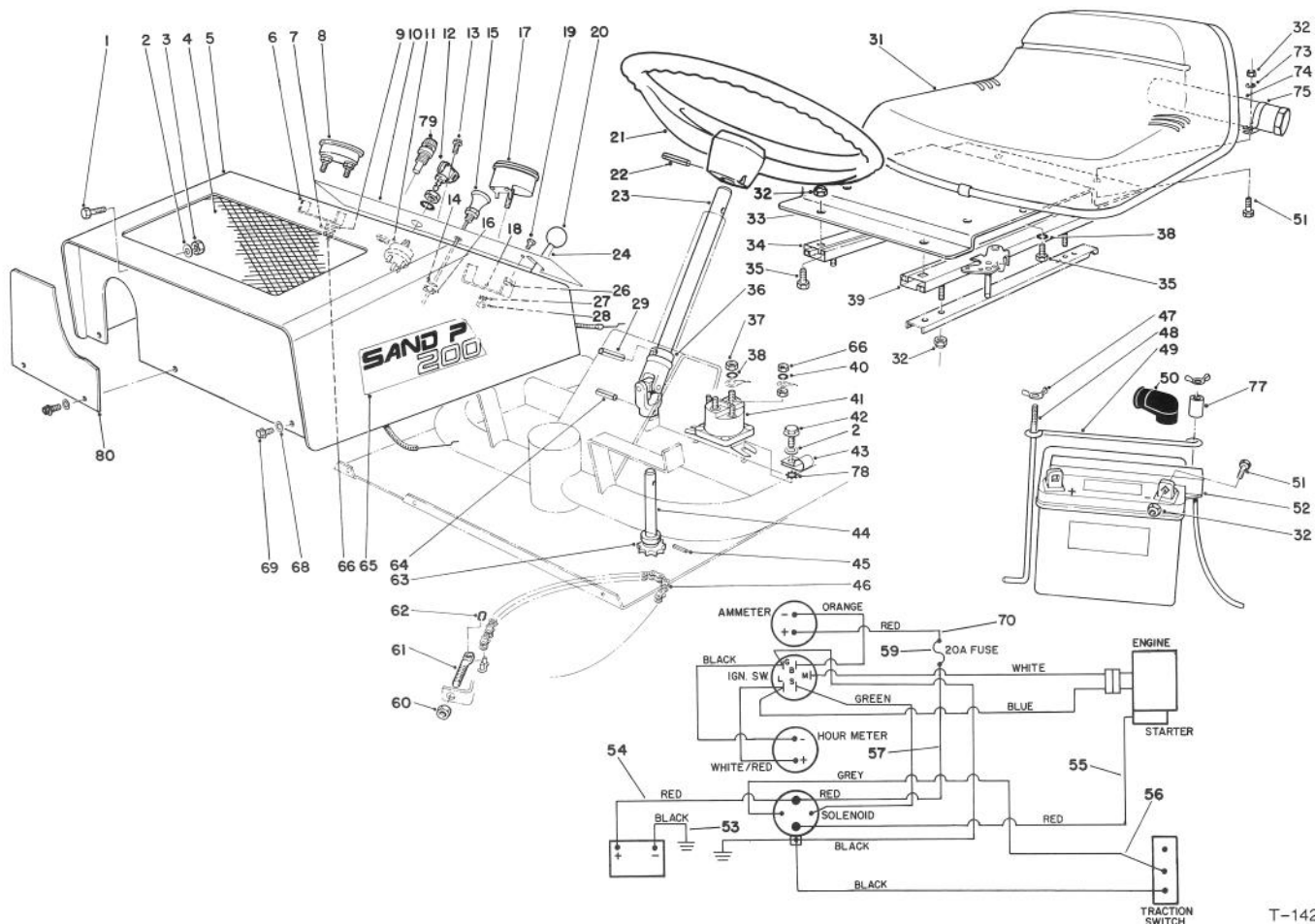


T-1424

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	85-6590	Dash - Assy.	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	85-6600	Decal - Dash	1
11	23-0660	Switch (Incl. Ref. #12)	1
12	218-412	Key	2
13	32144-11	Screw - Self Tapping	2
14	3254-6	Washer - Lock	1
15	84-8030	Control - Choke (Incl. Ref. #14 & 16)	1
16	3219-3	Nut - Hex	1
17	12-8130	Hour Meter	1
18	218-515	Bracket - Mounting	1
19	32105-2	Screw - Mach. Hex. Hd.	2
20	233-25	Knob	1
21	76-1420	Wheel - Steering	1
22	32121-10	Pin - Roll, Slotted	1
23	85-6610	Shaft - Steering	1

Ref. No.	Part No.	Description	No. Used
24	84-8020	Control - Throttle	1
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
31	66-6681	Seat	1
32	3296-29	Nut - Lock	10
33	86-7610	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	28-4210	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	12-5950	Bolt - Battery	2
49	84-8100	Battery Clamp	1
50	28-8080	Boot - Battery	1
51	322-3	Screw - Cap Hex. Hd.	2



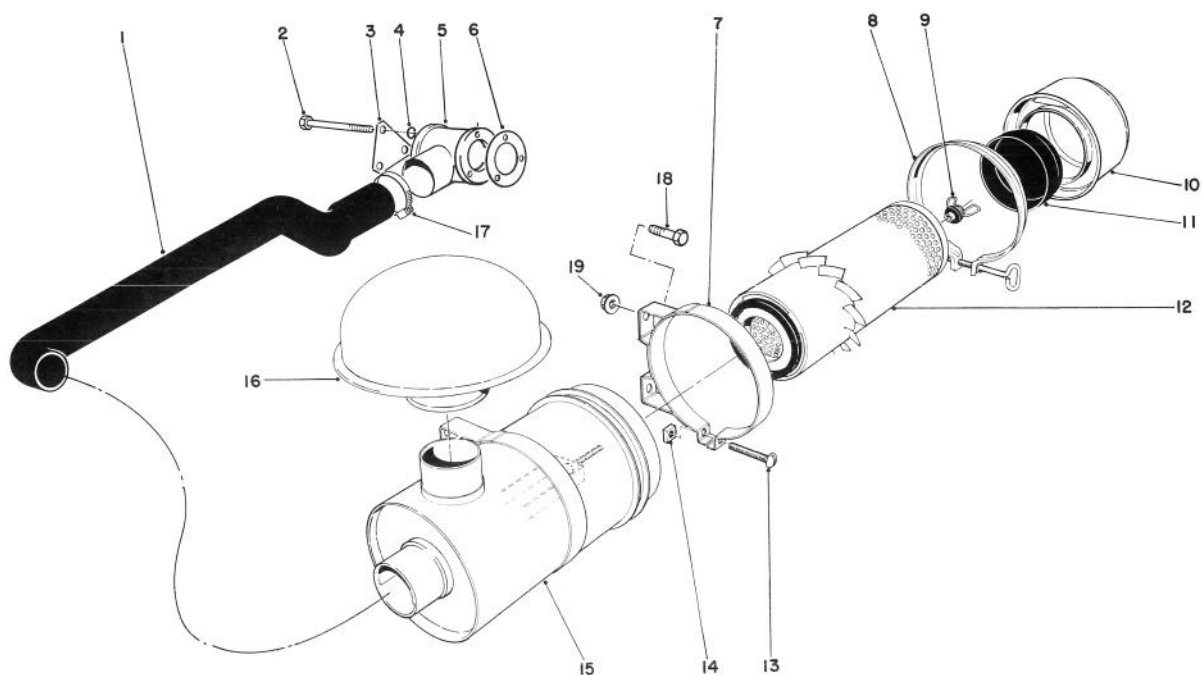
T-1424

INSTRUMENT PANEL & WIRING DIAGRAM (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
52	82-4640	Battery - 12 Volt	1	66	3219-14	Nut - Hex	10
53	86-7460	Wire (Battery to Ground)	1	68	3256-14	Washer - Flat	3
54	84-7870	Wire (Solenoid to Battery)	1	69	32104-76	Screw - Self Tapping	3
55	86-7440	Wire (Solenoid to Starter)	1	73	3256-23	Washer - Flat	2
56	86-5090	Wire Harness	1	74	74-0720	Tube - Manual	1
†59	218-598	Fuse 20 AMP.	1	75	2412-102	R-Clamp	2
60	3296-4	Nut - Lock	2	77	80-2030	Spacer	1
61	18-6380	Pin - Steering, Adjustment	2	78	3255-7	Washer - Lock	1
62	2710-31	Chain - Link, Connecting	2	79	218-489	Holder - Fuse	1
63	17-2490	Sprocket	1	80	84-7980	Panel - Dash	1
64	32121-6	Pin - Roll, Slotted	1	*	3290-378	Cable Tie	3
65	84-8010	Decal - Sand Pro 2000	2				
*	86-1500	Decal - Infield Pro 2000 (For Service Only)	2				

*Not Illustrated

†Obtain Locally



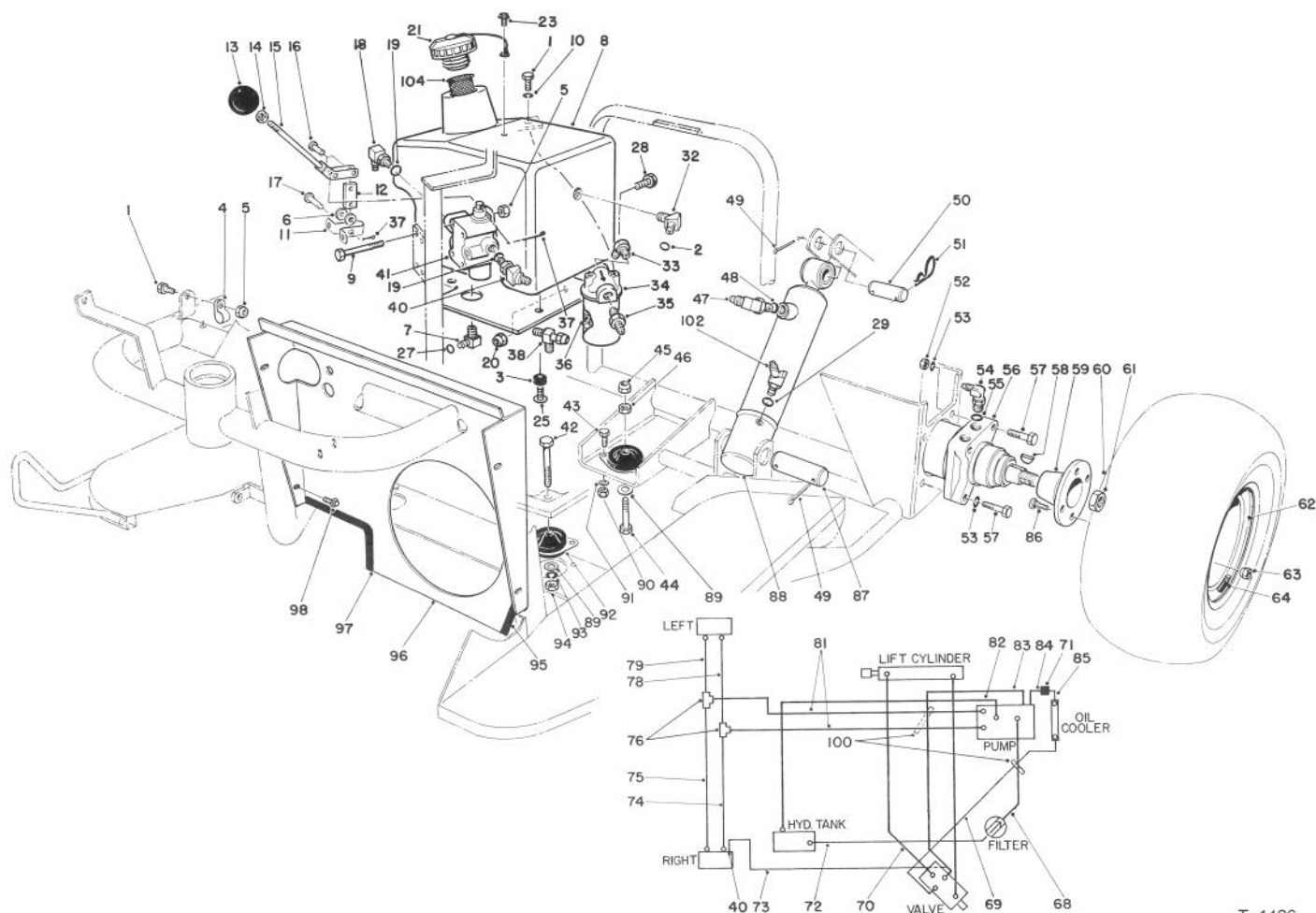
KIT - AIR CLEANER 86-4900

T-1425

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	33-1350	Assembly - Band, Mounting	2
8	33-1340	Assembly - Clamp	1
9	33-1330	Assembly - Nut	1
10	33-1320	Assembly - Cup	1

Ref. No.	Part No.	Description	No. Used
11	33-1310	Baffle	1
12	33-1300	Assembly - Element	1
13	3258-19	Screw - Mach. Rd. Hd.	2
14	32107-11	Nut - Square	2
15		Assembly - Body	1
16	46-7510	Hood - Inlet, Air	1
17	2412-92	Clamp - Worm	2
18	322-1	Screw - Cap Hex. Hd.	4
19	32128-20	Nut - Lock, Flange Hd.	4

†Obtain from your local Kohler Dealer

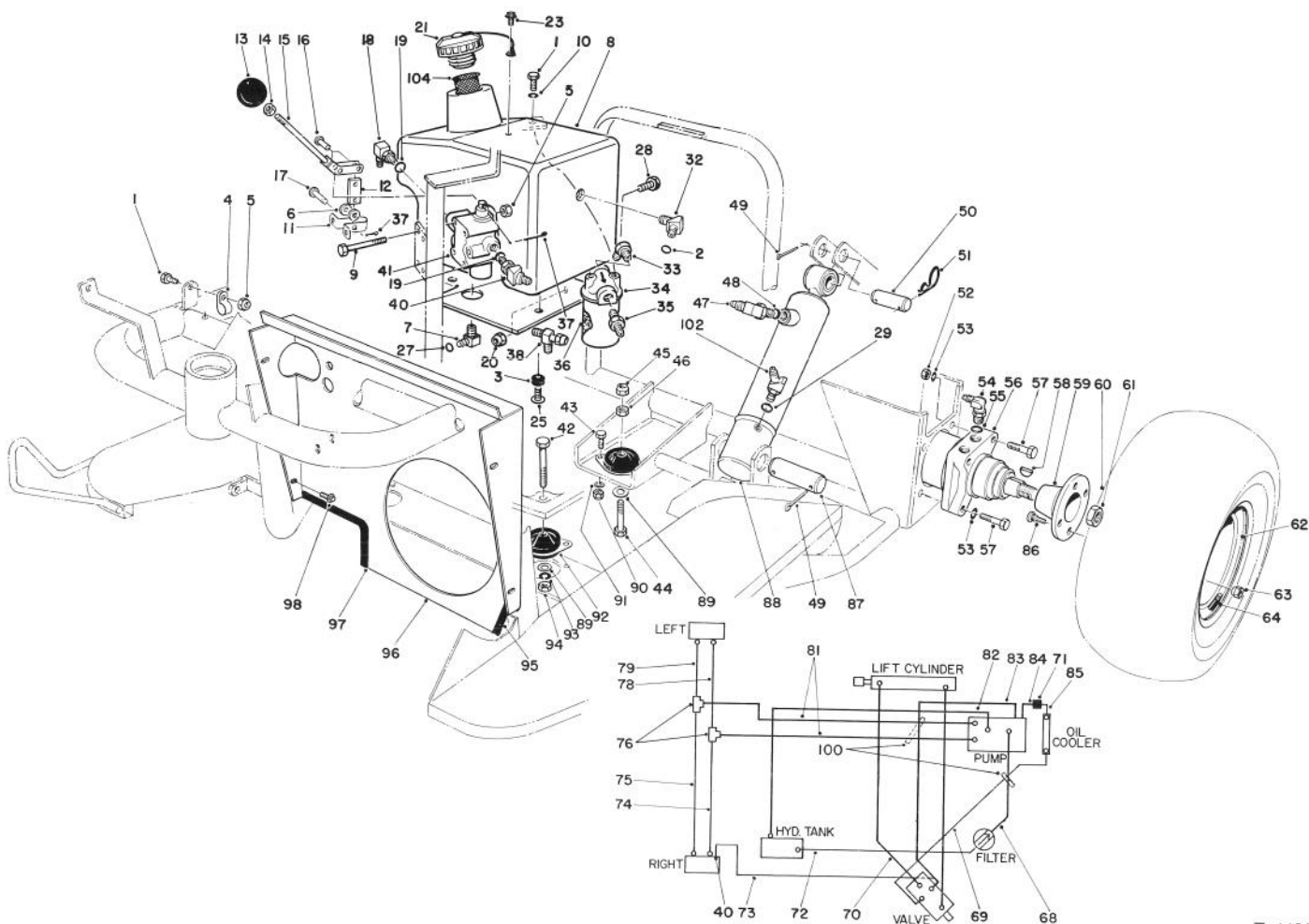


T-1426

HYDRAULIC TANK AND SYSTEMS DIAGRAM

Ref. No.	Part No.	Description	No. Used
1	321-4	Screw - Cap Hex. Hd.	3
2	237-79	O-Ring	1
3	237-136	Grommet	4
4	2412-73	R-Clamp	1
5	3296-42	Nut - Lock	6
6	86-5060	Spacer	2
7	353-370	Fitting - 90°	1
8	77-0590	Tank - Hydraulic	1
9	321-14	Screw - Cap, Hex. Hd.	4
10	3253-3	Washer - Lock	2
11	86-5040	Bracket - Pivot	1
12	86-5050	Link	1
13	233-33	Knob	1
14	3218-2	Nut - Jam	1
15	22-4560	Rod - Control	1
16	283-17	Pin - Clevis	2
17	283-16	Pin - Clevis	1
18	353-511	Fitting - 90°	1
19	237-42	O-Ring	2
20	3296-39	Nut - Lock	3
21	86-4870	Cap - Hydraulic Tank	1
23	57-5420	Screw	1
25	3250-36	Screw	4
27	237-40	O-Ring	1
28	323-6	Screw	3
29	237-78	O-Ring	1
32	353-379	Fitting - 45°	1
33	353-535	Fitting - 45°	1

Ref. No.	Part No.	Description	No. Used
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	3
38	353-877	Fitting - Swivel	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	323-11	Screw - Cap Hex. Hd.	1
45	3296-59	Nut - Lock	1
46	3217-7	Nut - Hex	1
47	354-132	Fitting - 90°	1
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
55	237-80	O-Ring	4
56	75-9831	Motor - Wheel, Left Rear	1
57	75-9840	Motor - Wheel, Right Rear	1
58	325-10	Screw - Cap, Hex. Hd.	8
59	3257-42	Key - Woodruff	2
60	17-4710	Hub - Wheel	2
61	28-1070	Tire	2
61	26-3790	Nut - Lock	2



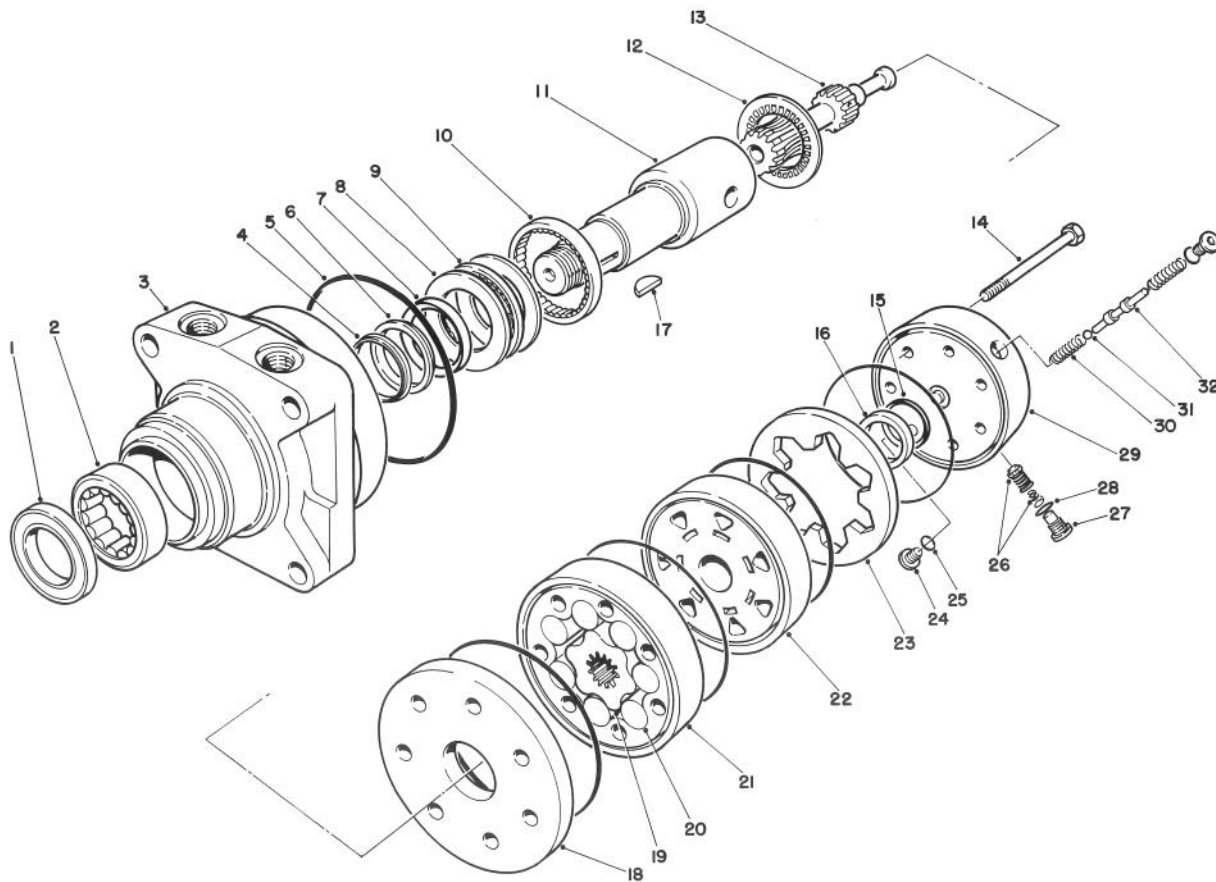
T-1426

HYDRAULIC TANK AND SYSTEMS DIAGRAM (Continued)

Ref. No.	Part No.	Description	No. Used
62	46-4810	Rim	2
63	242-50	Nut - Wheel	8
64	232-35	Stem - Valve	2
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	1
72	85-6570	Tube (Filter to Tank)	1
73	51-0620	Tube - Shuttle Valve	1
74	84-7850	Tube - Front (R.H. Rear Motor)	1
75	84-7860	Tube - Rear (R.H. Rear Motor)	1
76	353-424	"T" Fitting	2
78	18-6710	Tube - Front (L.H. Rear Motor)	1
79	18-6720	Tube - Rear (L.H. Rear Motor)	1
81	21-5370	Hose (Pump to "T")	2
82	21-5360	Hose (Pump to Reservoir)	1

Ref. No.	Part No.	Description	No. Used
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	3256-25	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	1
95	51-3160	Trim - Jiffy	1
96	85-6640	Shield - Blower	1
97	51-3161	Trim - Jiffy	1
98	46-8560	Screw - Self Tapping	4
100	3290-378	Tie - Cable	2
102	353-431	Fitting - 45° JIC	1
104	61-2790	Screen - Filter	1
*	232-37	Tube - Inner, Tire	2

*Not Illustrated

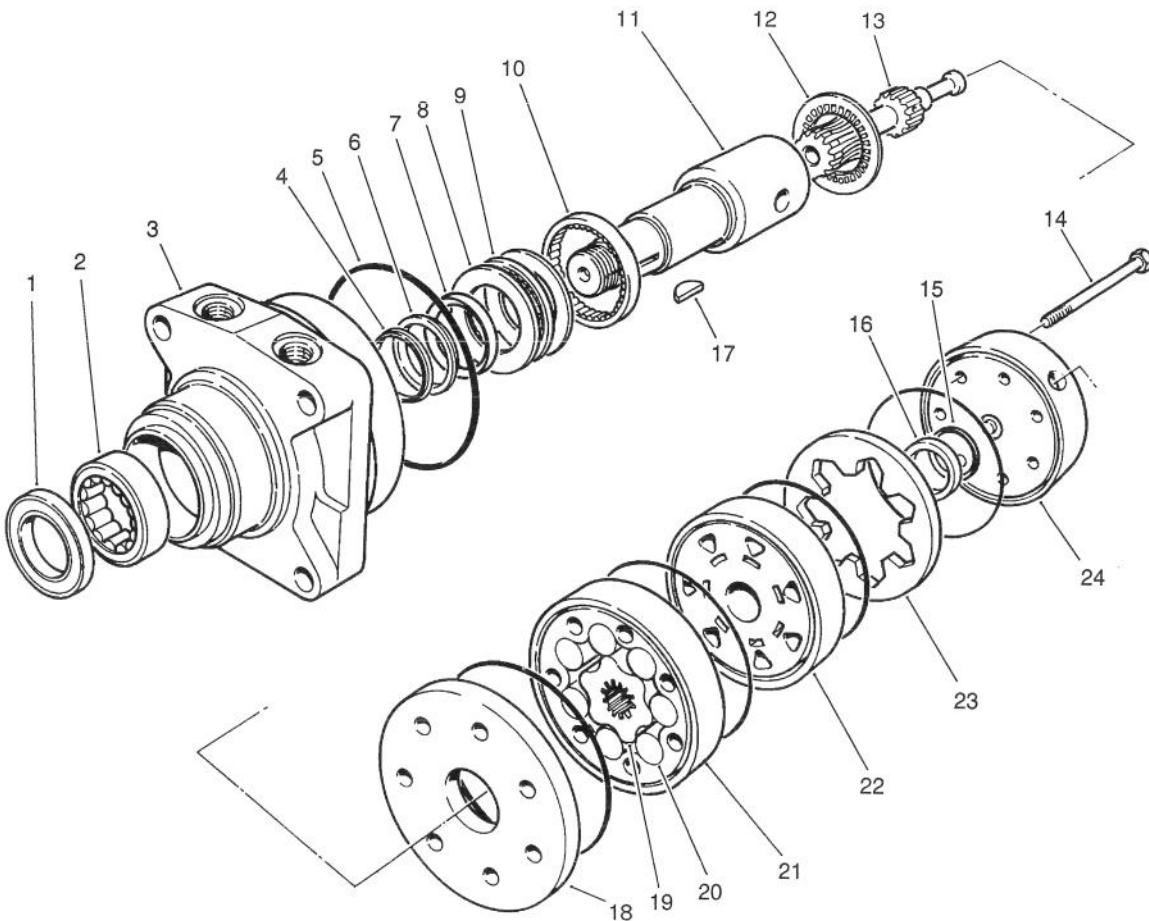


T-0982

HYDRAULIC DRIVE MOTOR RIGHT REAR NO. 75-9840

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1		Seal - Dirt & Water	1	22	76-0840	Manifold	1
2		Bearing	1	23		Ring - Commutator	1
3		Housing	1	24		Plug	2
4		Washer - Backup	1	25		O-Ring	2
5		Seal - Rings	5	26		Valve - Relief	1
6		Washer - Backup	1	27		Plug	1
7		Seal - Inner	1	28		O-Ring	1
8		Washer - Thrust	2	29	76-0890	Assembly	1
9		Bearing - Thrust	1			(Incl. Ref. #24-25 & 30-32)	1
10		Bearing	1	30		Spring	2
11	76-0860	Shaft - Coupling	1	31		Ball	1
12	76-0850	Bearing - Thrust	1	32		Valve - Shuttle	1
13	76-0820	Link - Drive	1	*	76-0830	Rotor Set	1
14	76-1040	Screw - Cap, Hex. Hd.	7			(Incl. Ref. #19-21)	1
15		Seal - Commutator	1	*	76-0880	Assembly - Commutator	1
16		Commutator	1			(Incl. Ref. #15, 16 & 23)	1
17	3257-42	Key -Woodruff	1	*	76-0800	Kit - Seal	1
18	76-0870	Plate - Wear	1			(Incl. Ref. #1, 4-7 & 15)	1
19		Rotor	1	*	76-0810	Assembly - Housing	1
20		Vane	7			(Incl. Ref. #2, 3 & 8-10)	1
21		Stator	1				

*Not Illustrated



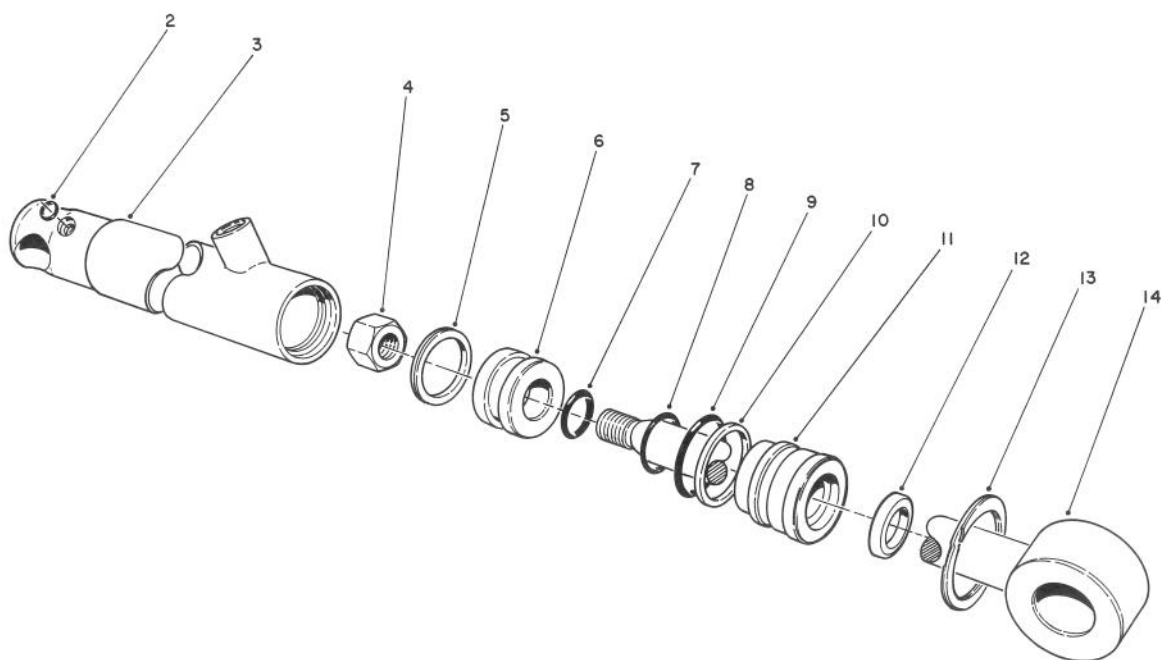
T-0983

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



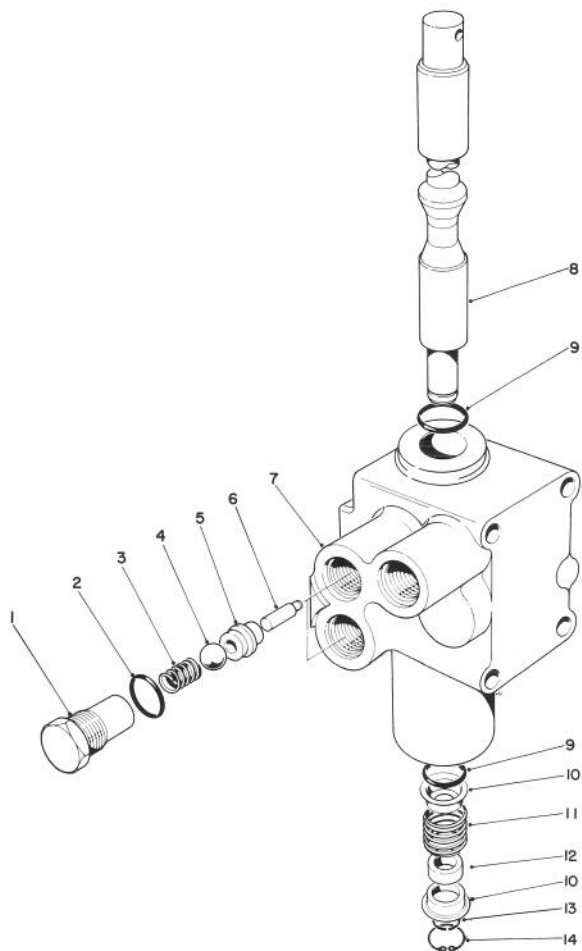
T-0217

HYDRAULIC CYLINDER NO. 68-9700

Ref. No.	Part No.	Description	No. Used
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

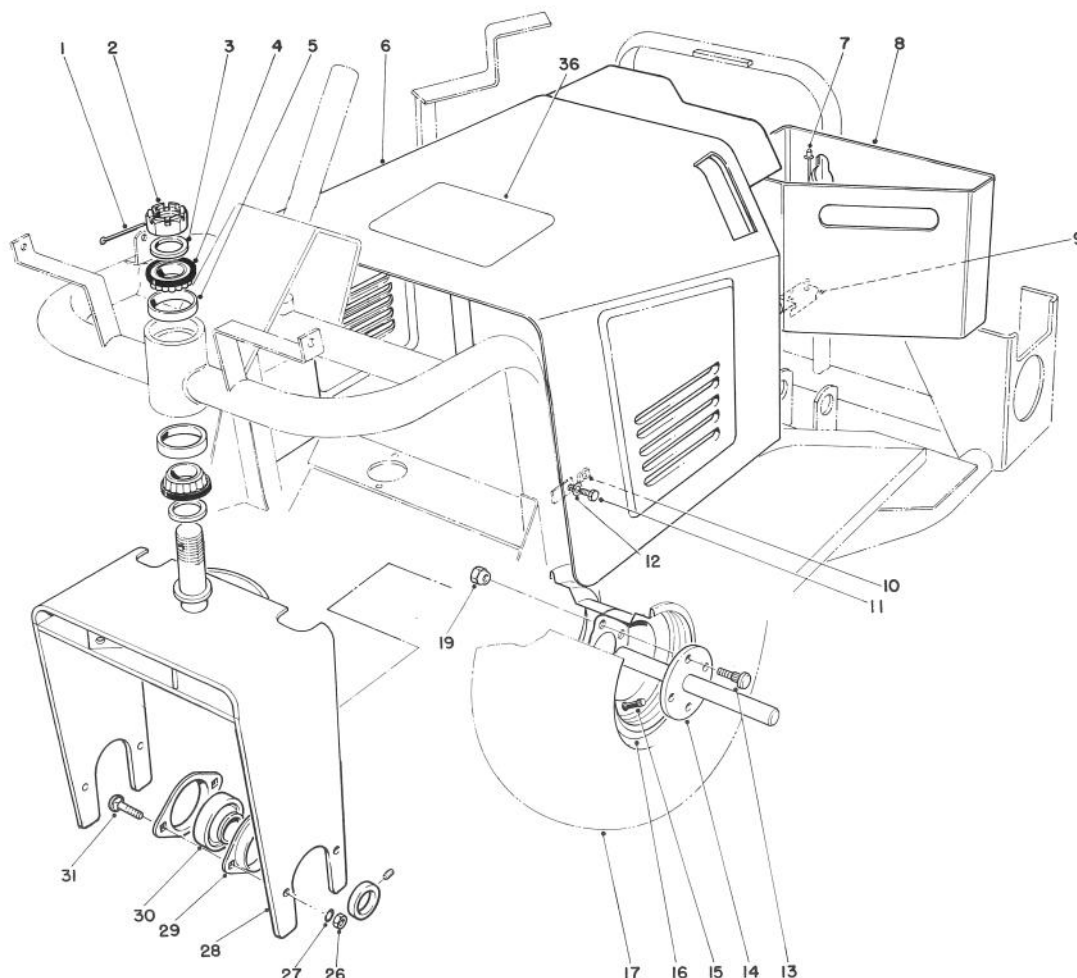


CONTROL VALVE NO. 43-1950

T-0236

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

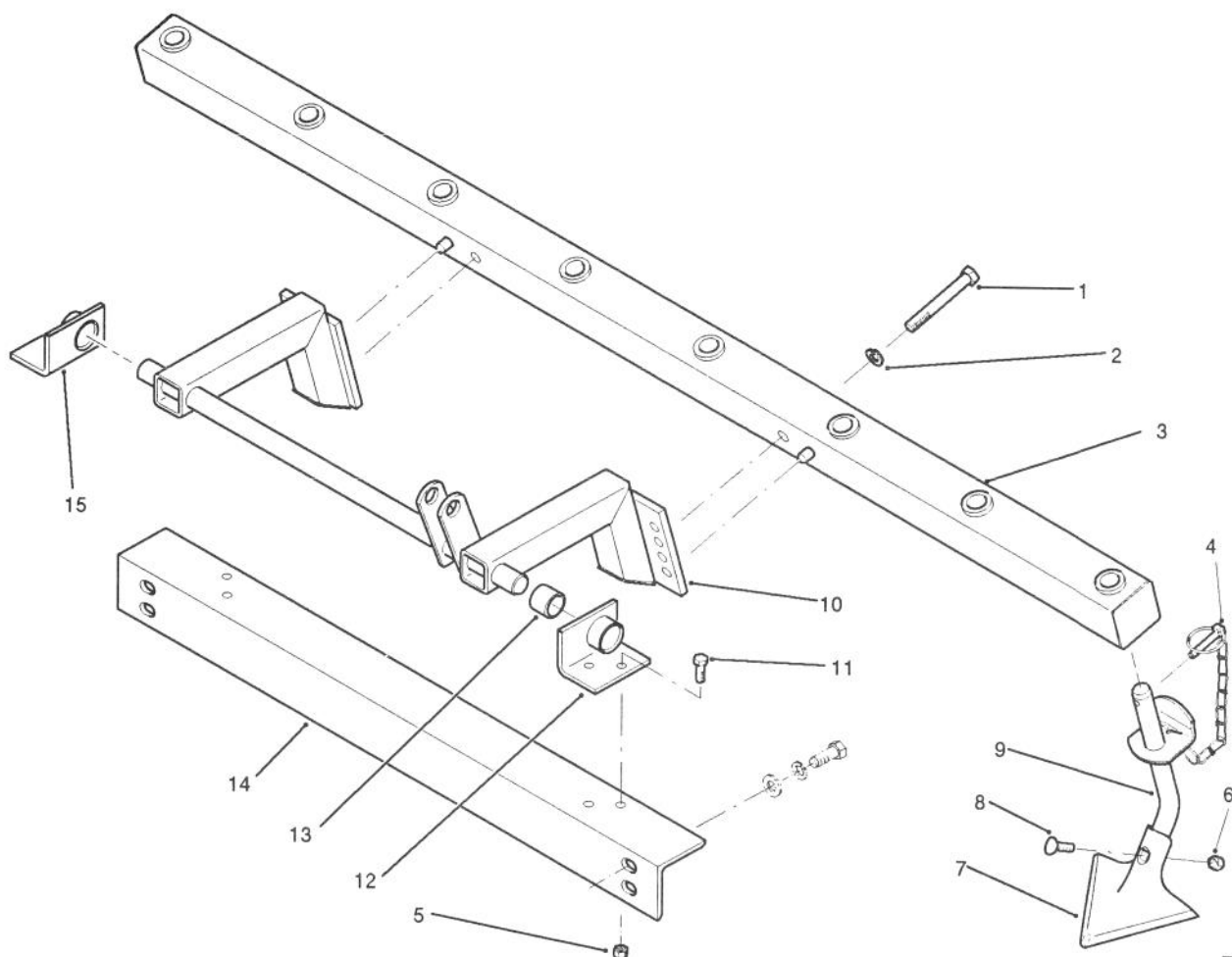


T-1427

FRONT STEERING FORK ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3272-37	Pin - Cotter	1	14	84-7940	Shaft - Axle	1
2	32136-9	Nut - Hex., Slotted	1	15	232-35	Stem - Valve	1
3	18-6320	Washer - Steering	2	16	46-4810	Rim	1
4	254-70	Bearing - Cone & Seal	2	17	28-1070	Tire	1
5	254-61	Cup - Bearing	2	19	242-50	Nut - Lug	4
6	85-6680	Shield - Engine	1	26	3217-7	Nut - Hex	4
7	3290-54	Rivet - Pop	2	27	3253-21	Washer - Lock	4
8	86-7640	Box - Litter (Incl. Ref. #7 & 9)	1	28	84-7910	Fork	1
9	44-2520	Clip - Spring	1	29	251-166	Flange - Bearing	4
10	32115-11	Retainer - Nut, Tinnerman	2	30	251-165	Bearing - w/Collar	2
11	321-5	Screw - Cap, Hex. Hd.	2	31	3231-2	Bolt - Carriage	4
12	3256-22	Washer - Flat	2	36	86-4940	Decal - Operating	1
13	10-6830	Stud - Drive Type	4	*	232-37	Tube - Inner, Tire	1

*Not Illustrated



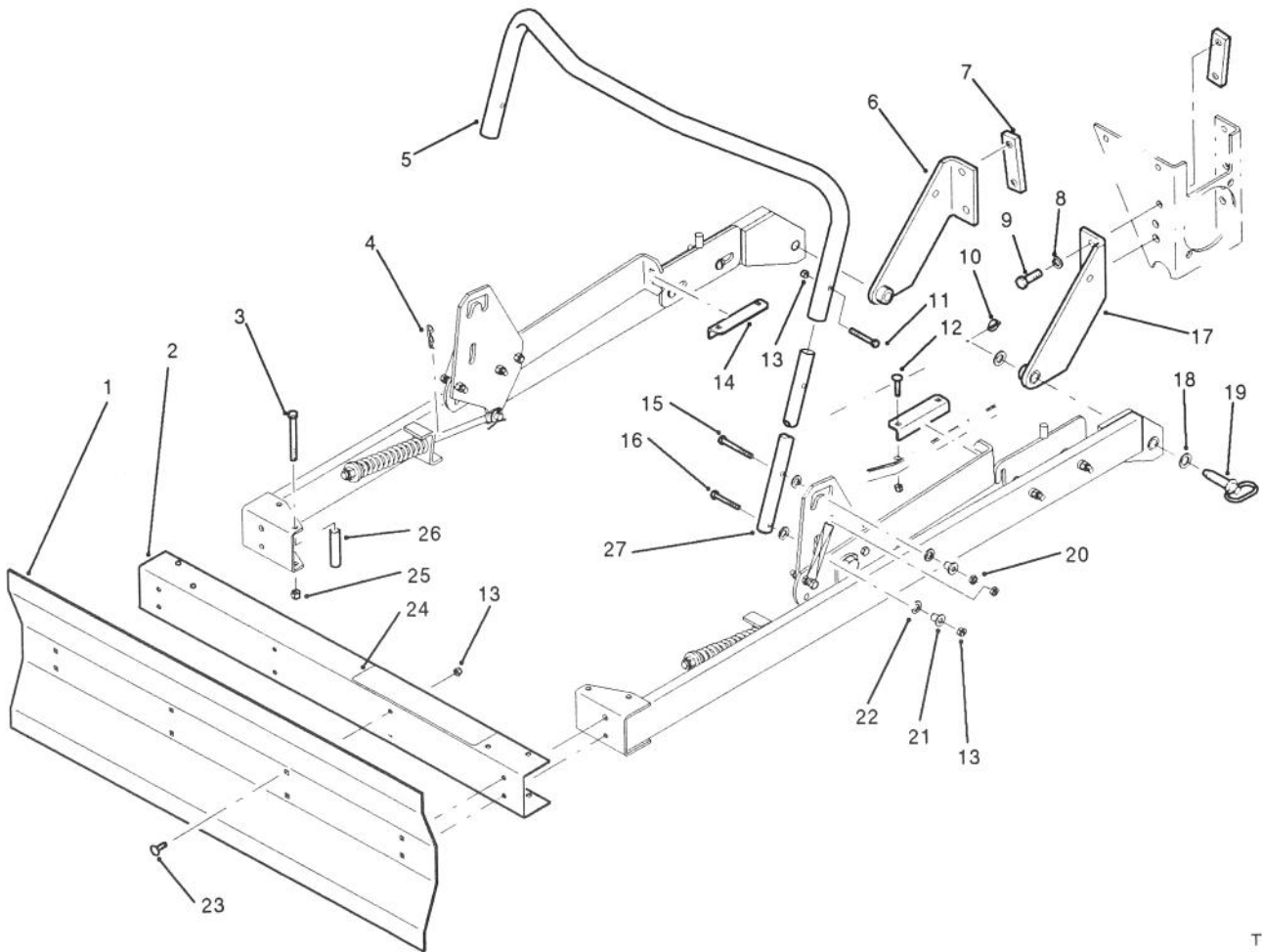
T-1231A

CULTIVATOR ASSEMBLY* MODEL NO. 08818 (Optional)

Ref. No.	Part No.	Description	No. Used
1	325-15	Screw - Cap Hex. Hd.	2
2	3253-7	Washer - Lock	2
3	80-1340	Beam W.A.	1
4	283-80	Assembly - Lynch Pin	8
5	3296-39	Nut - Lock	4
6	32152-2	Nut - Lock	8
7	80-1640	Sweep	8
8	323-51	Bolt - Plow	8
9	80-1350	Bar W.A.	8
10	80-1330	Frame W.A.	1

Ref. No.	Part No.	Description	No. Used
11	323-6	Screw - Cap Hex. Hd.	4
12	80-1680	Bracket - Pivot, L.H. (Incl. Ref. #13)	1
13	256-234	Bushing	2
14	80-1710	Angle - Support	1
15	80-1690	Bracket - Pivot, R.H. (Incl. Ref. #13)	1
16	80-1700	Assembly - Sweep (Incl. Ref. #4, 6-9)	8

*Frame reinforcement kit (80-1940) is required if used on Sand Pro Model No. 08880-01226 and prior.

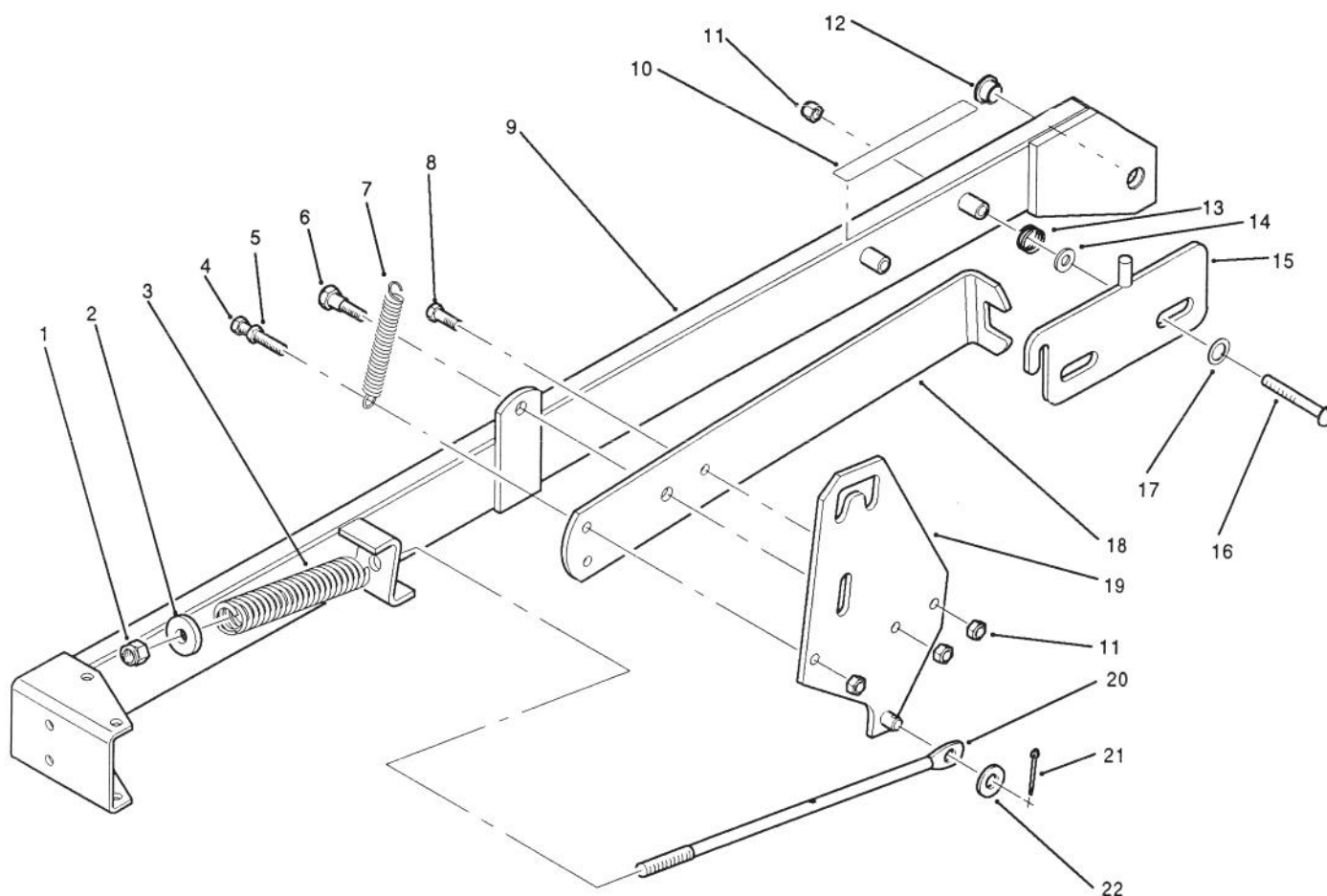


T-1234

FRONT BLADE KIT MODEL NO. 08820 (Optional) BLADE, ARMS & HANDLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	80-1190	Blade	1
2	80-1820	Channel	1
3	323-16	Screw - Cap Hex. Hd.	4
4	3290-355	Pin - Hair, Cotter	2
5	80-1850	Handle	1
6	80-1420	Bracket - W.A., R.H.	1
7	80-1210	Block - Mounting	2
8	3253-7	Washer - Lock	4
9	325-6	Screw - Cap Hex. Hd.	4
10	3290-495	Pin - Klix	2
11	322-9	Screw - Cap Hex. Hd.	2
12	3230-4	Bolt - Carriage	4
13	3296-29	Nut - Lock	18
14	80-1830	Plate - Wear	2

Ref. No.	Part No.	Description	No. Used
15	322-13	Screw - Cap Hex. Hd.	2
16	322-11	Screw - Cap Hex. Hd.	2
17	80-1430	Bracket - W.A., L.H.	1
18	257-11	Washer - Thrust	4
19	80-1840	Pin	2
20	3218-2	Nut - Hex. Jam	2
21	27-6602	Spacer	4
22	77-0350	Washer - Thrust, Nylon	8
23	3230-2	Bolt - Carriage	8
24	80-1920	Decal - Warning	1
25	3296-44	Nut - Lock	4
26	80-1890	Spacer	4
27	80-1860	Handle - Upright	2



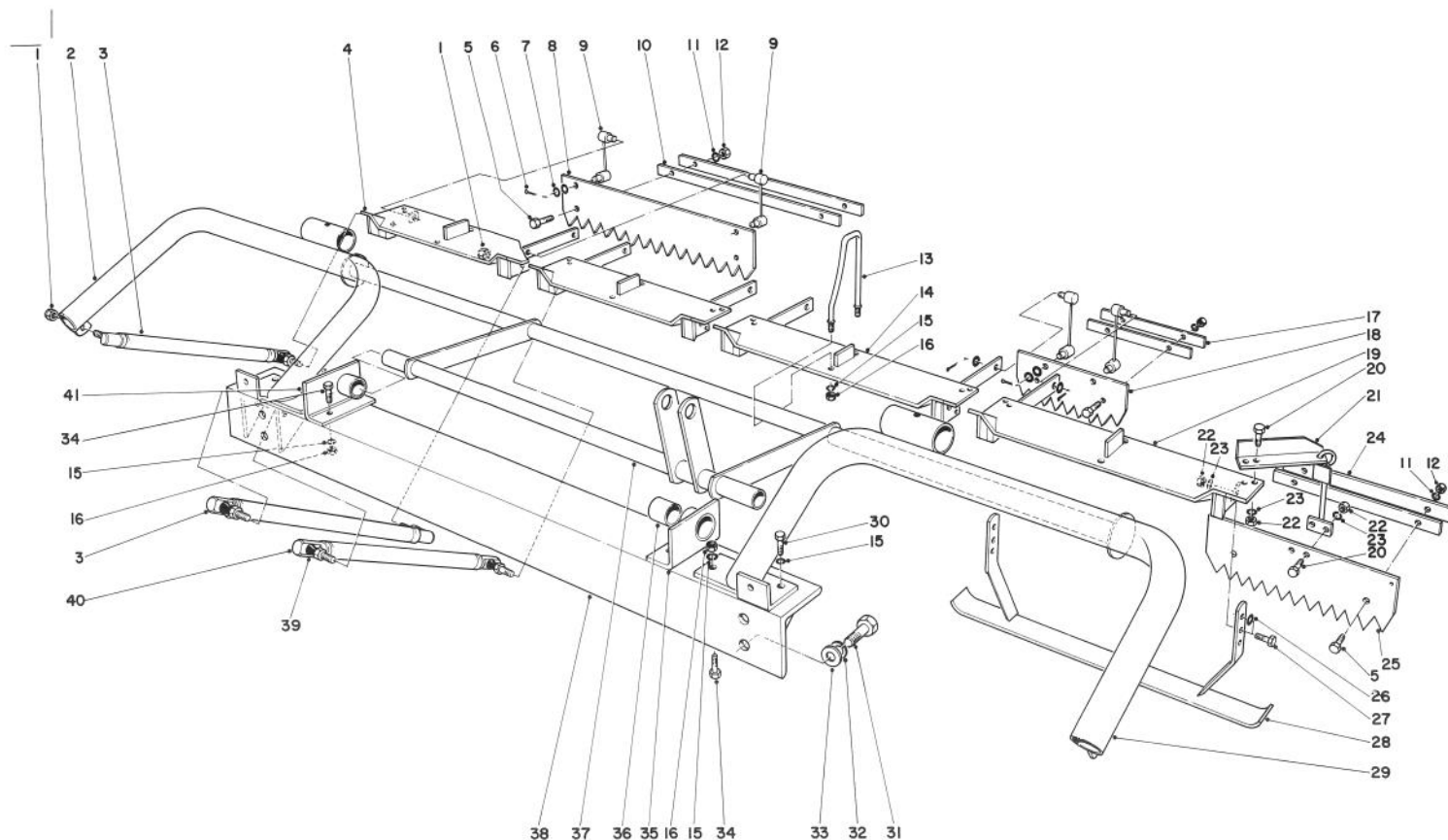
T-1235

FRONT BLADE KIT MODEL NO. 08820 (Optional) (Continued) ARM ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3296-23	Nut - Lock	1
2	70-8040	Washer	1
3	80-1470	Spring	1
4	323-10	Screw - Cap Hex. Hd.	1
5	3218-3	Nut - Hex. Jam	1
6	80-1300	Bolt - Shoulder	1
7	76-4660	Spring - Extension	1
8	323-6	Screw - Cap Hex. Hd.	1
9	80-1370	Arm - Extension, R.H.	1
*	80-1400	Arm - Extension, L.H.	1
10	80-1930	Decal - Latch	1
11	3296-39	Nut - Lock	5

Ref. No.	Part No.	Description	No. Used
12	256-317	Bushing	1
13	80-1800	Spring - Compression	2
14	3256-69	Washer - Flat	2
15	80-1760	Plate - W.A.	1
16	32122-54	Screw - Truss Head	2
17	67-9480	Washer	2
18	80-1750	Arm - Lift	1
19	80-1380	Plate - W.A., R.H.	1
*	80-1410	Plate - W.A., L.H.	1
20	80-1460	Rod	1
21	3272-12	Pin - Cotter	1
22	3256-26	Washer - Flat	1

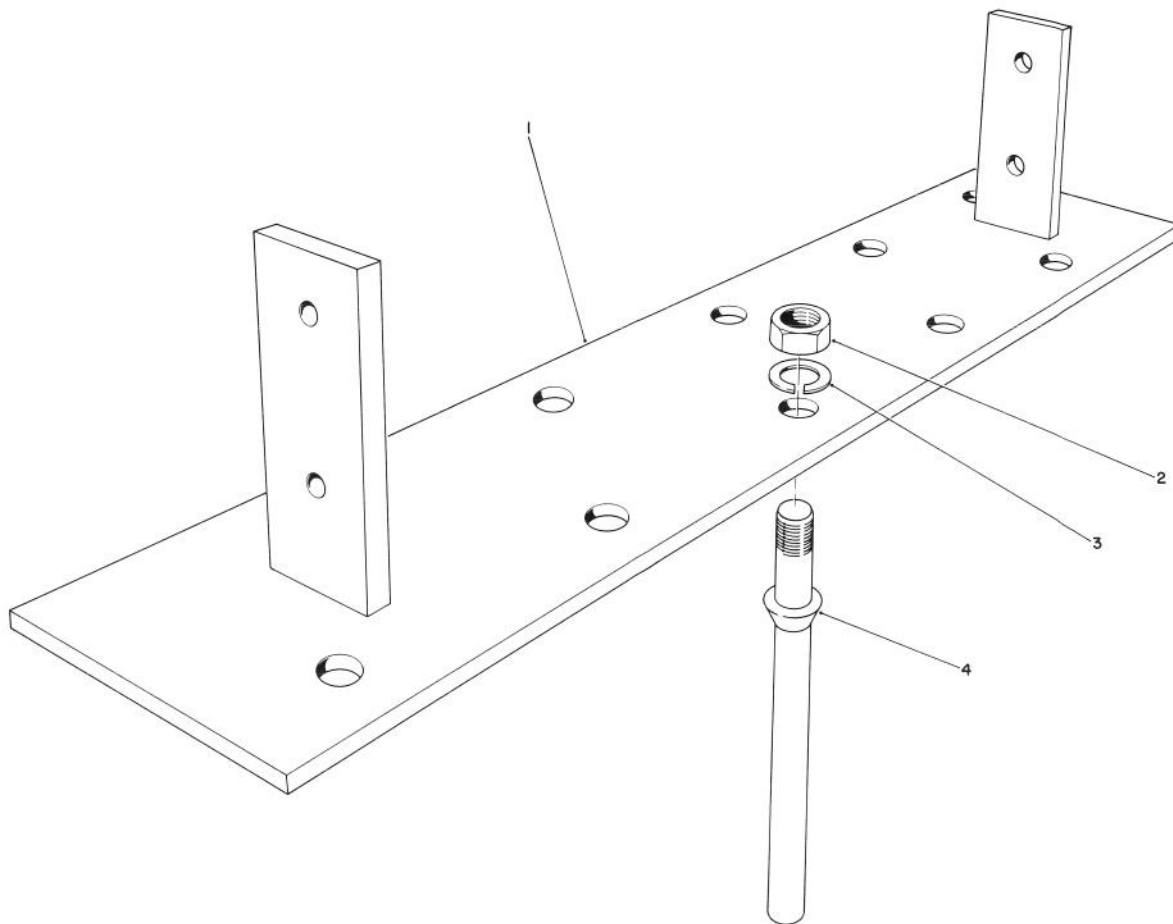
*Not Illustrated



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				



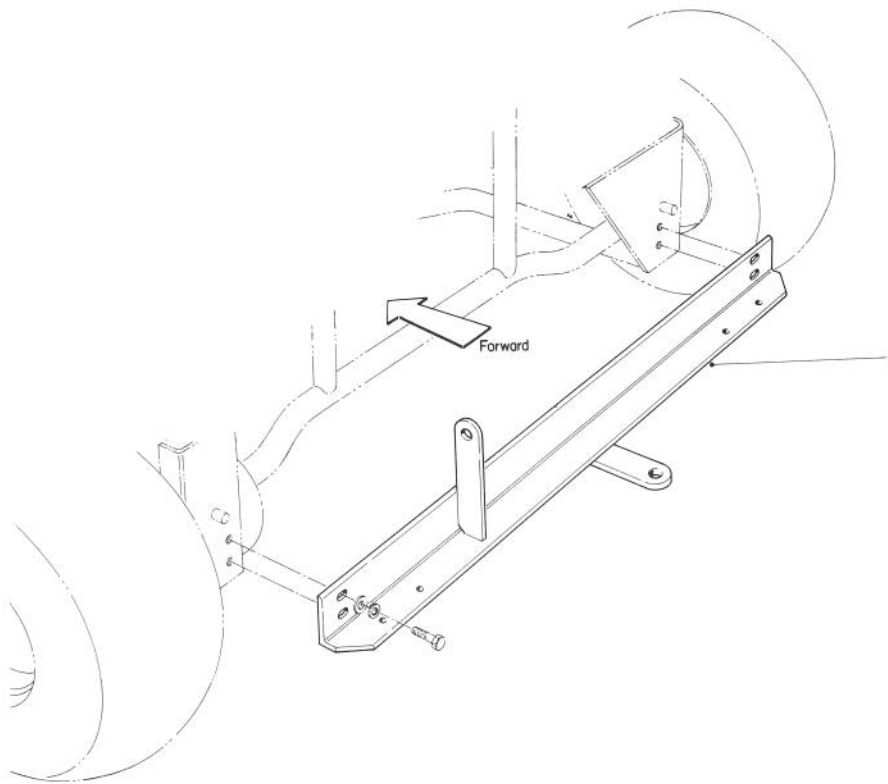
T-0254

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

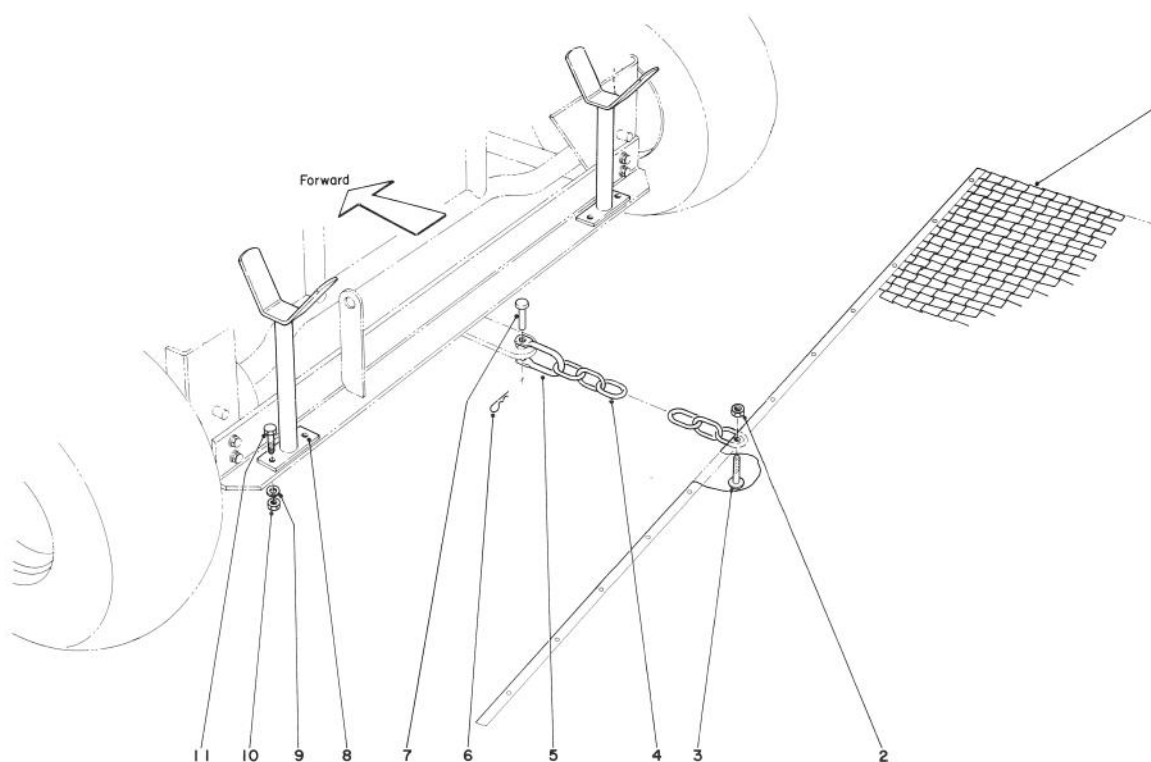


T-0255A

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

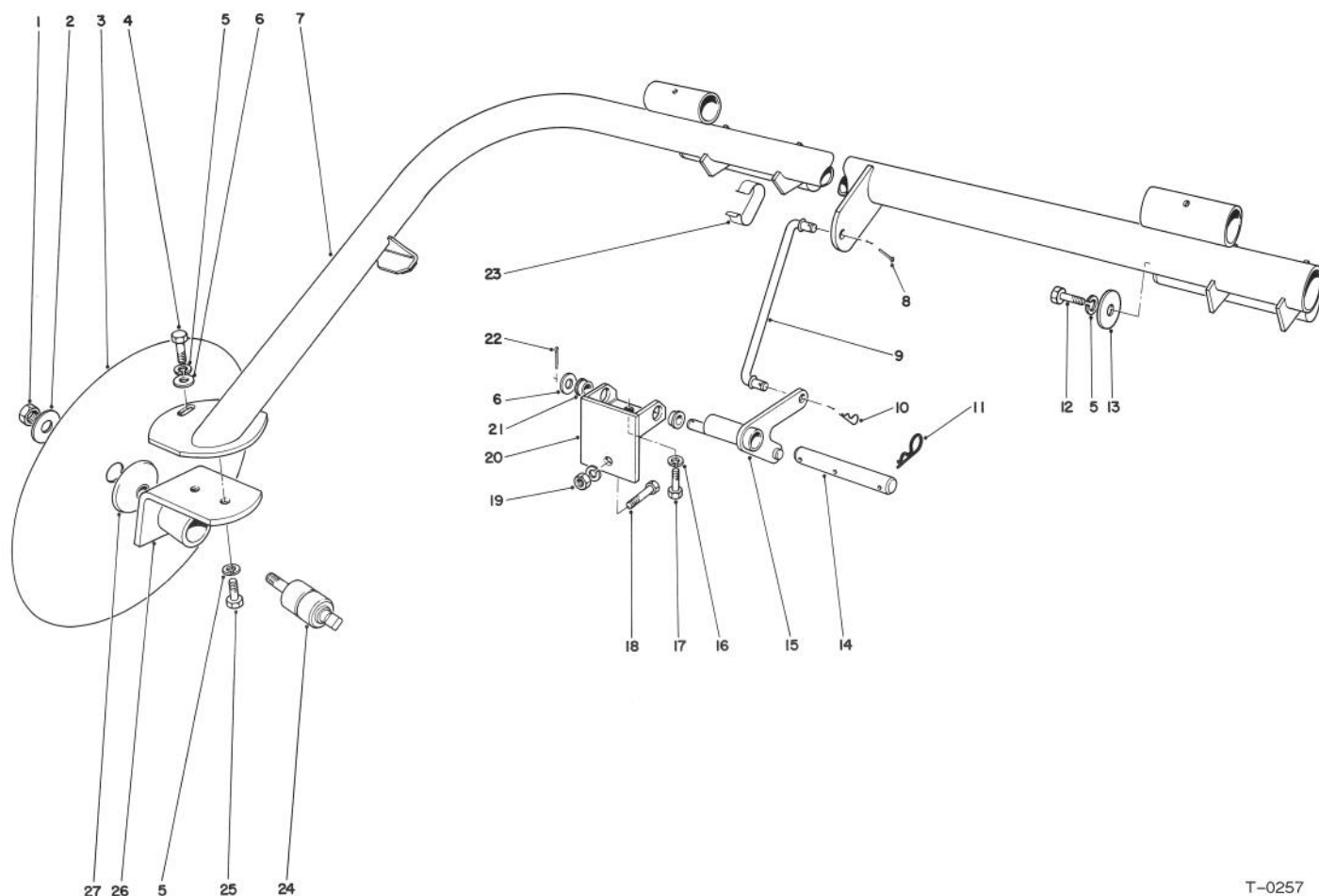


T-0256A

DRAG MAT KIT MODEL NO. 08844 (Optional)

Ref. No.	Part No.	Description	No. Used
1	20-4290	Mat - Drag	1
2	3296-29	Nut - Lock	1
3	32122-35	Screw - Machine Screw	1
4	2820-2	Chain	1
5	5-2942	Shackle	1
6	3290-250	Pin - Hair, Cotter	1

Ref. No.	Part No.	Description	No. Used
7	283-10	Pin	1
8	28-0830	Holder - Mat, Drag	2
9	3253-21	Washer - Lock	4
10	3217-7	Nut - Hex.	4
11	323-29	Screw - Cap, Hex. Hd.	4

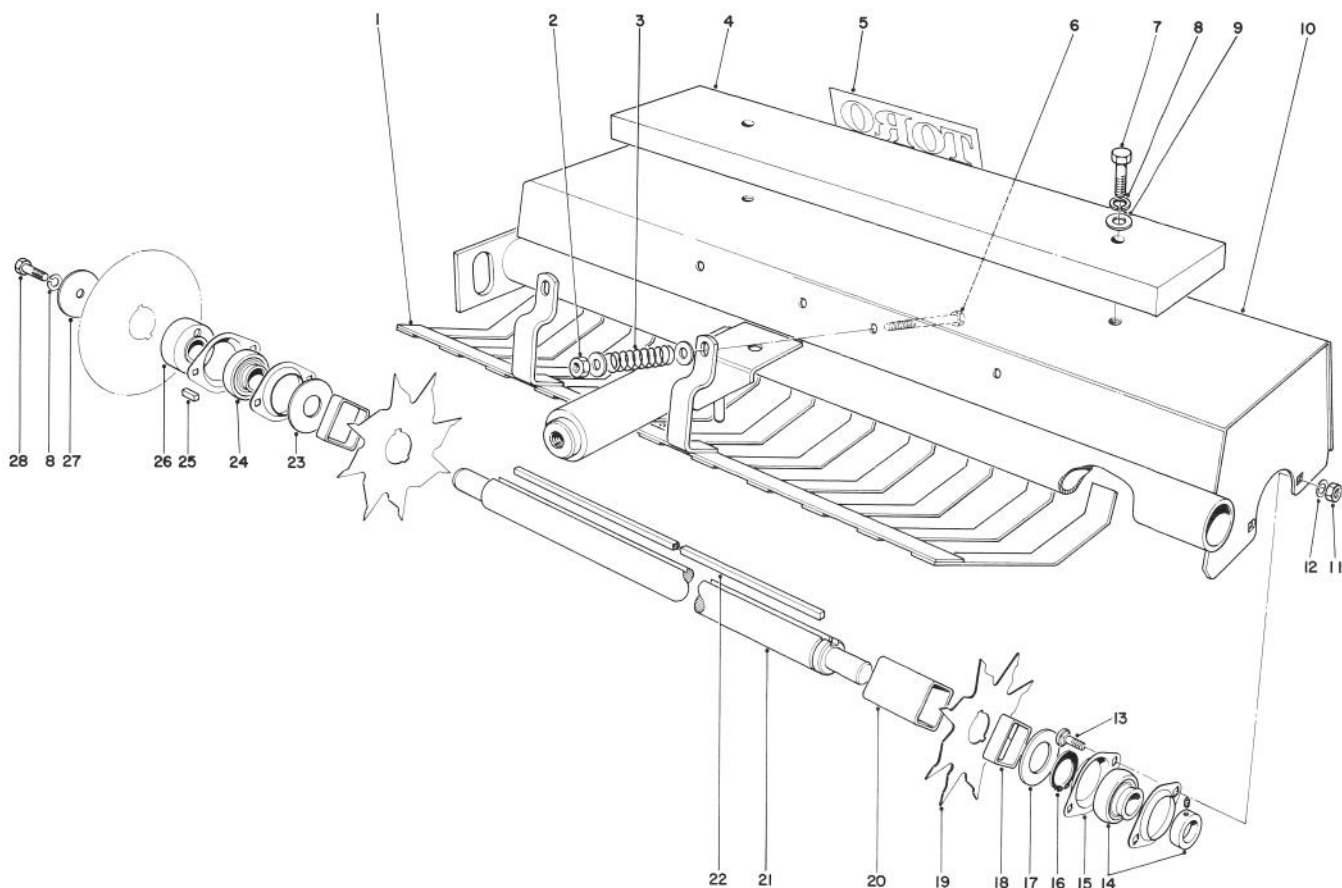


T-0257

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



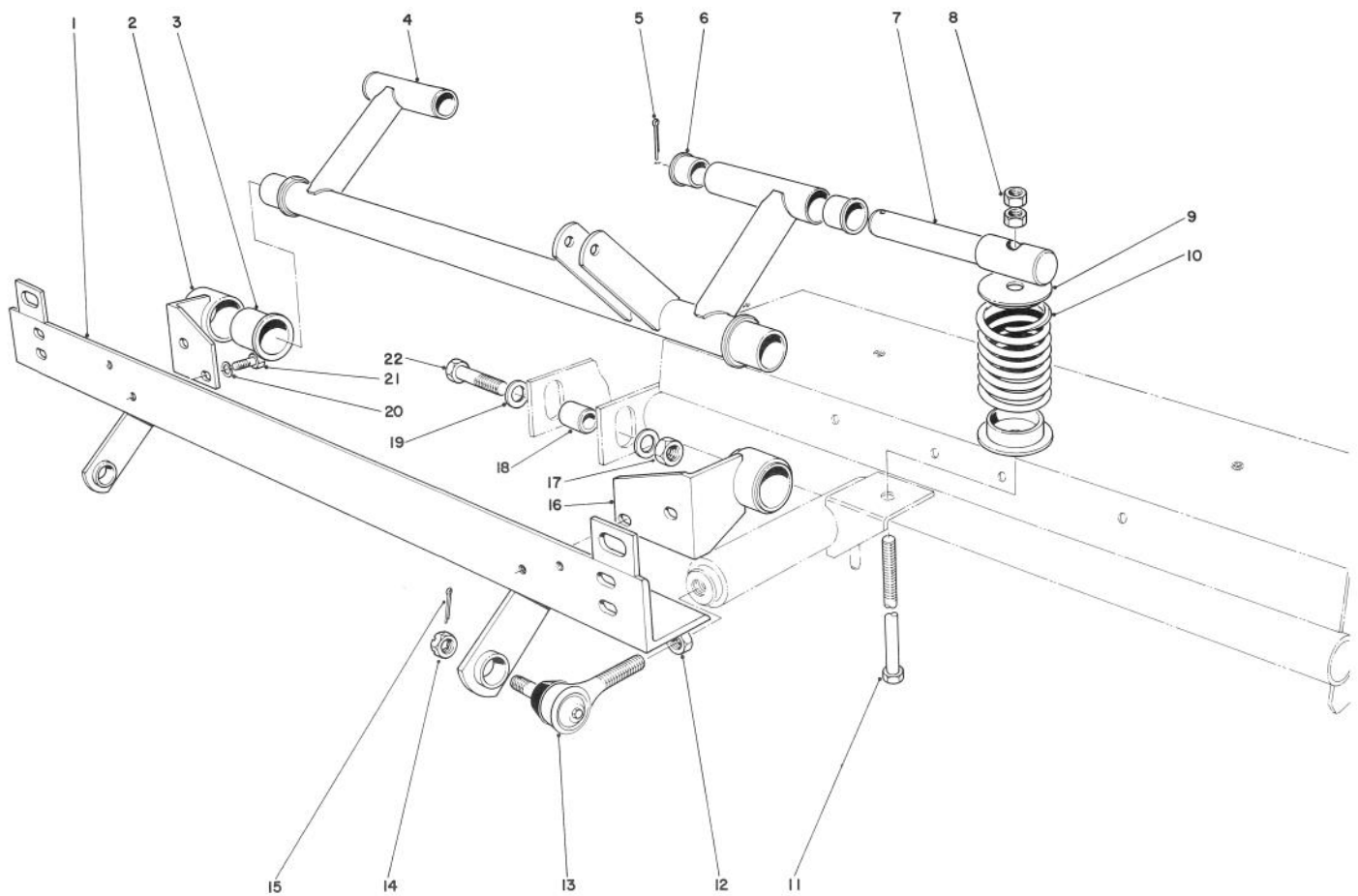
T-0258

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

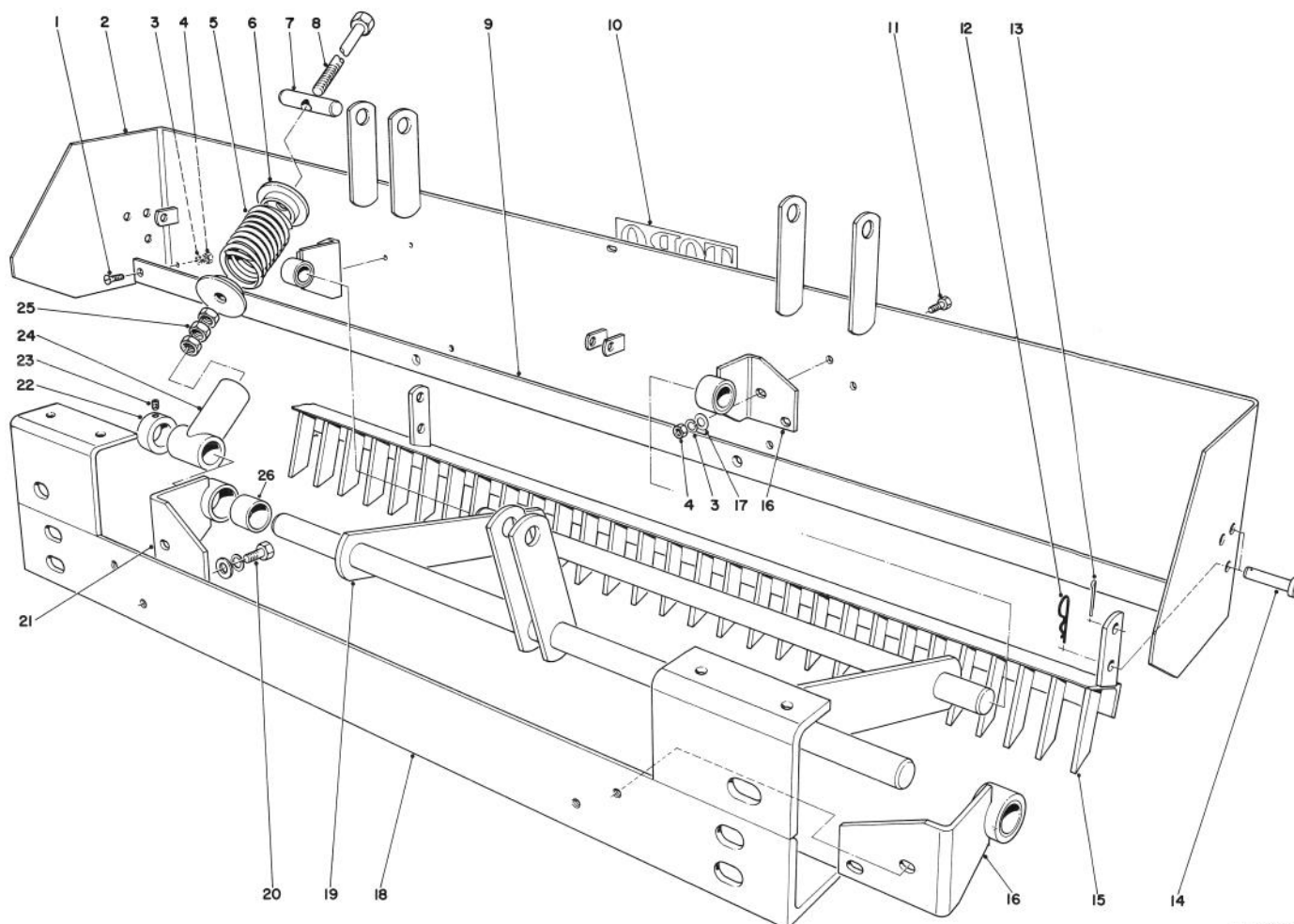
*Not Illustrated



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



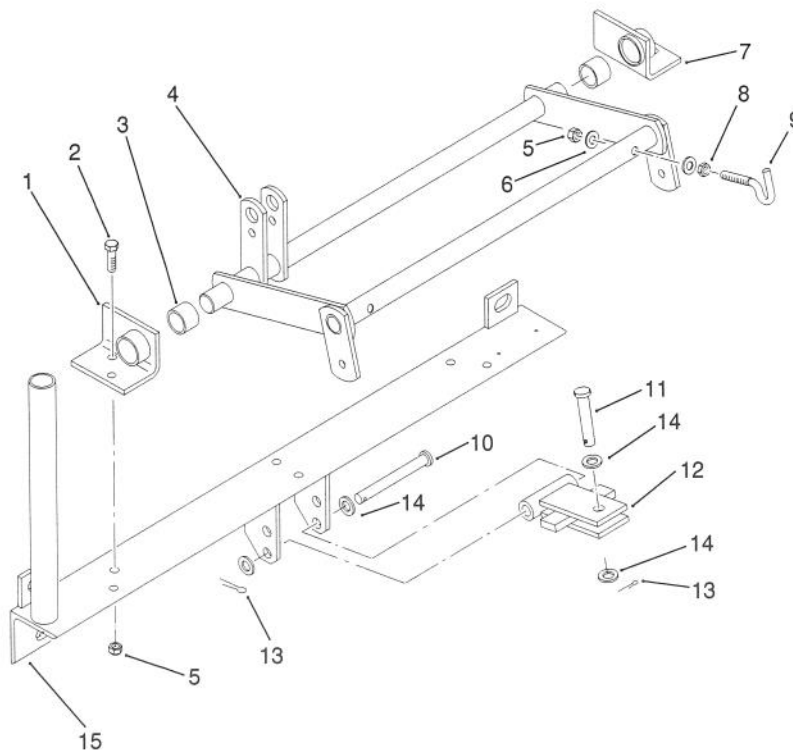
T-0260

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

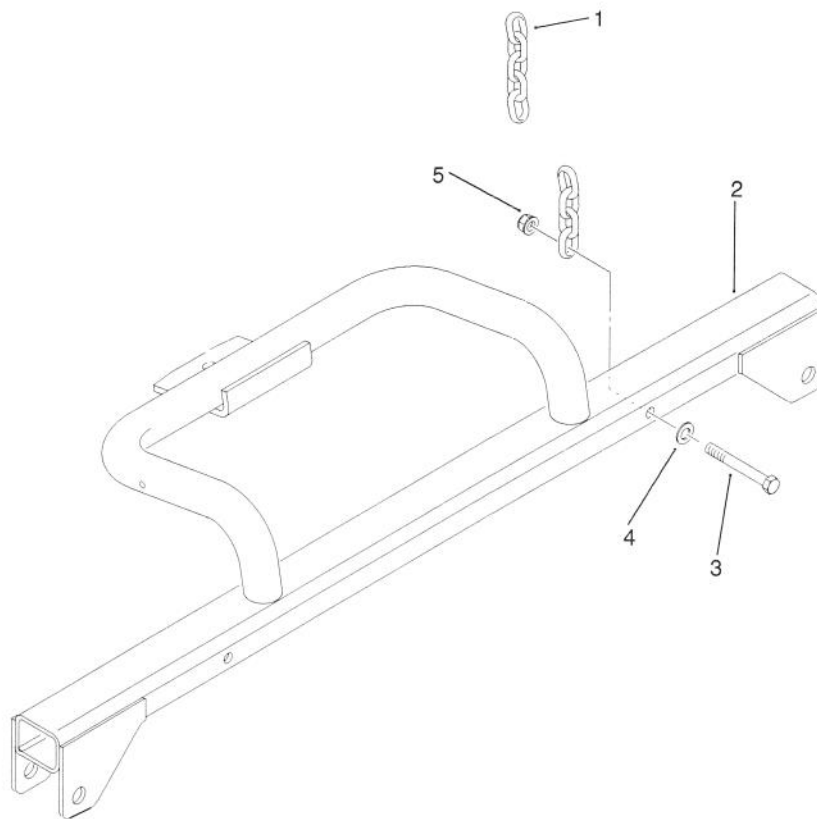


T-1346

RAKE MOUNTING KIT – MODEL NO. 08814

Ref. No.	Part No.	Description	No. Used
1	80-1680	Bracket – Pivot, W.A. LH	1
2	323-7	Screw – Cap Hex. Hd.	4
3	256-234	Bushing	2
4	84-2420	Arm – Lift, W.A.	1
5	3296-39	Nut – Lock	6
6	3256-3	Washer – Flat	4
7	80-1690	Bracket – Pivot, W.A. RH	1
8	3217-7	Nut	2

Ref. No.	Part No.	Description	No. Used
9	84-2630	Hook	2
10	283-83	Pin – Clevis	1
11	283-68	Pin – Clevis	1
12	84-2230	Pivot – W.A.	1
13	3272-12	Pin – Cotter	2
14	3256-26	Washer – Flat	4
15	84-2620	Angle – W.A.	1

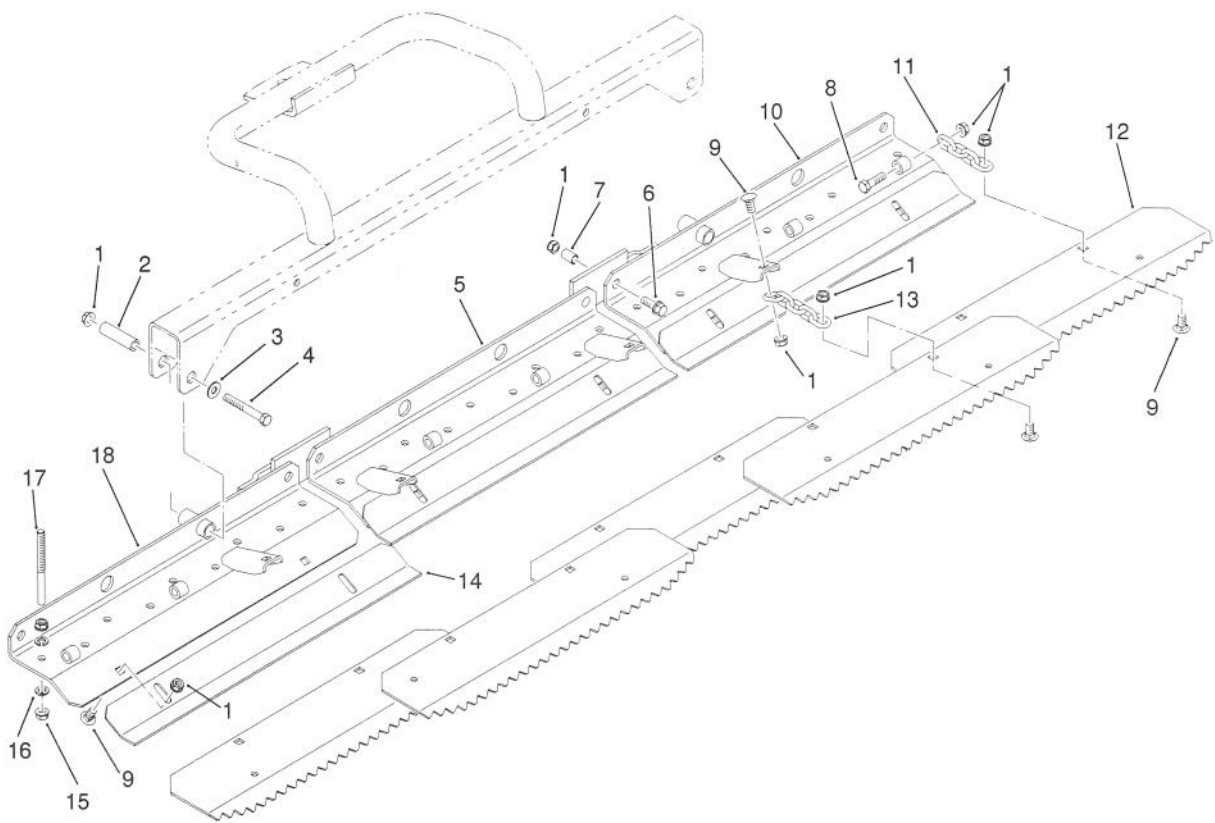


T-1343

TOOTH RAKE KIT – MODEL NO. 08812

Ref. No.	Part No.	Description	No. Used
1	84-2452	Chain – 14 Links	2
2	84-2680	Hanger W.A.	1
3	323-14	Screw – Cap Hex. Hd.	2

Ref. No.	Part No.	Description	No. Used
4	3256-3	Washer – Flat	2
5	32128-21	Nut – Flange Head	2

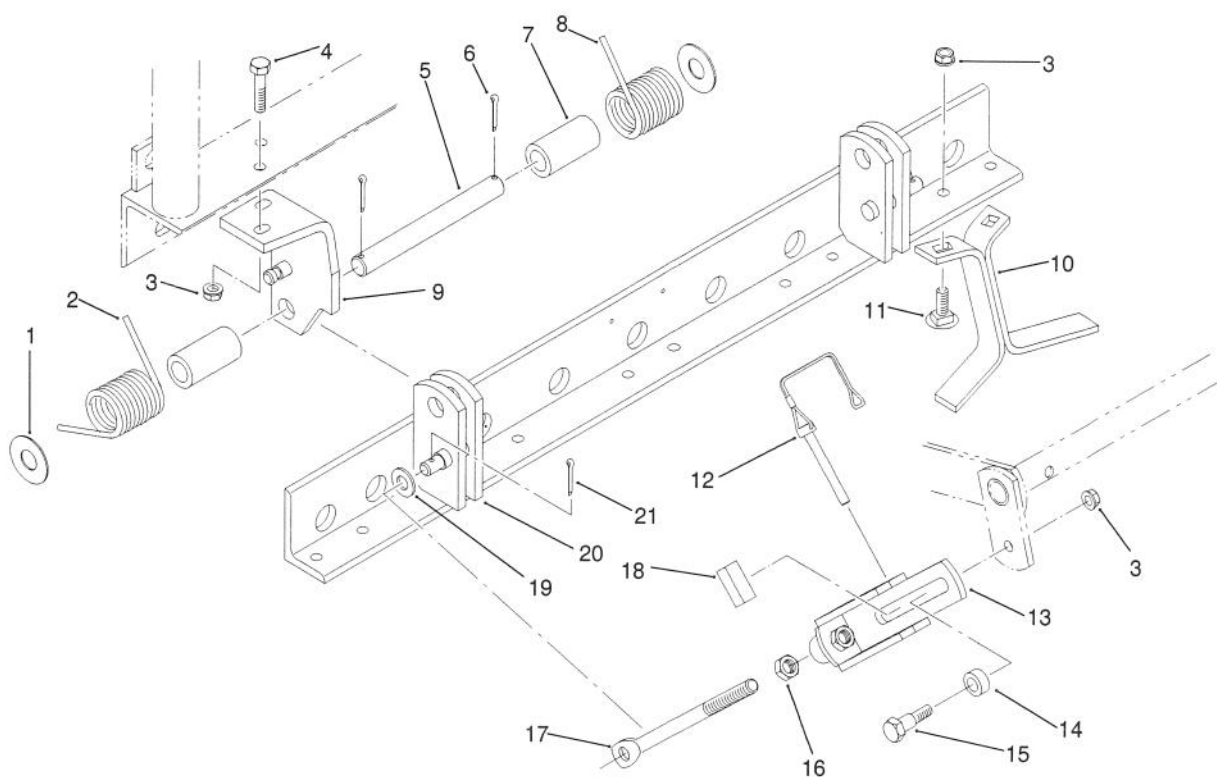


T-1344

TOOTH RAKE KIT – MODEL NO. 08812 (Continued)

Ref. No.	Part No.	Description	No. Used
1	32128-21	Nut – Flange Head	30
2	84-2350	Spacer – Long	2
3	3256-3	Washer – Flat	2
4	323-15	Screw – Cap Hex. Hd.	2
5	84-2390	Plate – Center, Trowel W.A.	1
6	3234-8	Screw – Flange Head	2
7	84-2410	Spacer – Short	2
8	323-7	Screw – Cap Hex. Hd.	6
9	3231-21	Bolt – Carriage	20

Ref. No.	Part No.	Description	No. Used
10	84-2400	Plate – R.H. Trowel W.A.	1
11	84-2450	Chain – 4 Links	6
12	84-2280	Rake – Finishing	5
13	84-2451	Chain – 5 Links	4
14	84-2550	Trowel – Smooth	3
15	3217-7	Nut	54
16	3253-29	Washer – Lock	54
17	84-2590	Rake – Prong	27
18	84-2360	Plate – L.H. Trowel W.A.	1



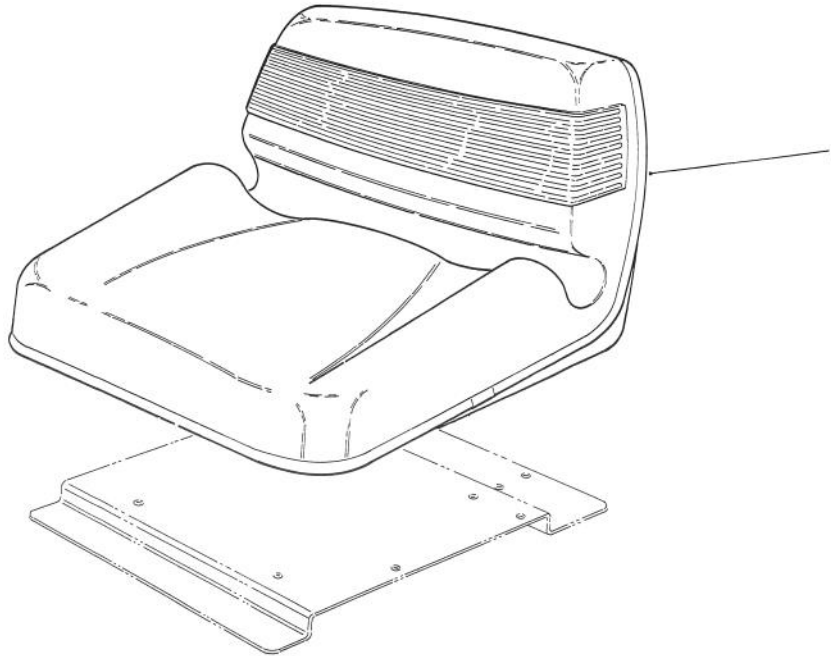
T-1420

WEEDER – MODEL NO. 08815

Ref. No.	Part No.	Description	No. Used
1	67-0860	Washer – Flat	4
2	85-0140	Spring – Torsion, L.H.	2
3	3296-39	Nut – Lock	16
4	323-9	Screw – Cap Hex. Hd.	4
5	85-0120	Pin	2
6	3272-18	Pin – Cotter	4
7	85-0130	Spacer – Spring	4
8	85-0150	Spring – Torsion, R.H.	2
9	85-0100	Bracket – W.A. – L.H.	1
*	85-0070	Bracket – W.A. – R.H.	1
10	85-0160	Sweep W.A.	5

Ref. No.	Part No.	Description	No. Used
11	3231-2	Bolt – Carriage	10
12	85-0270	Pin – Lock	2
13	85-0190	Lift Arm W.A.	2
14	85-0250	Spacer	2
15	85-0240	Bolt – Shoulder	2
16	3217-9	Nut – Hex.	2
17	85-0230	Rod – Adjustment	2
18	85-0260	Block	2
19	3256-26	Washer	2
20	85-0020	Angle W.A.	1
21	3272-12	Pin – Cotter	2

*Not Illustrated



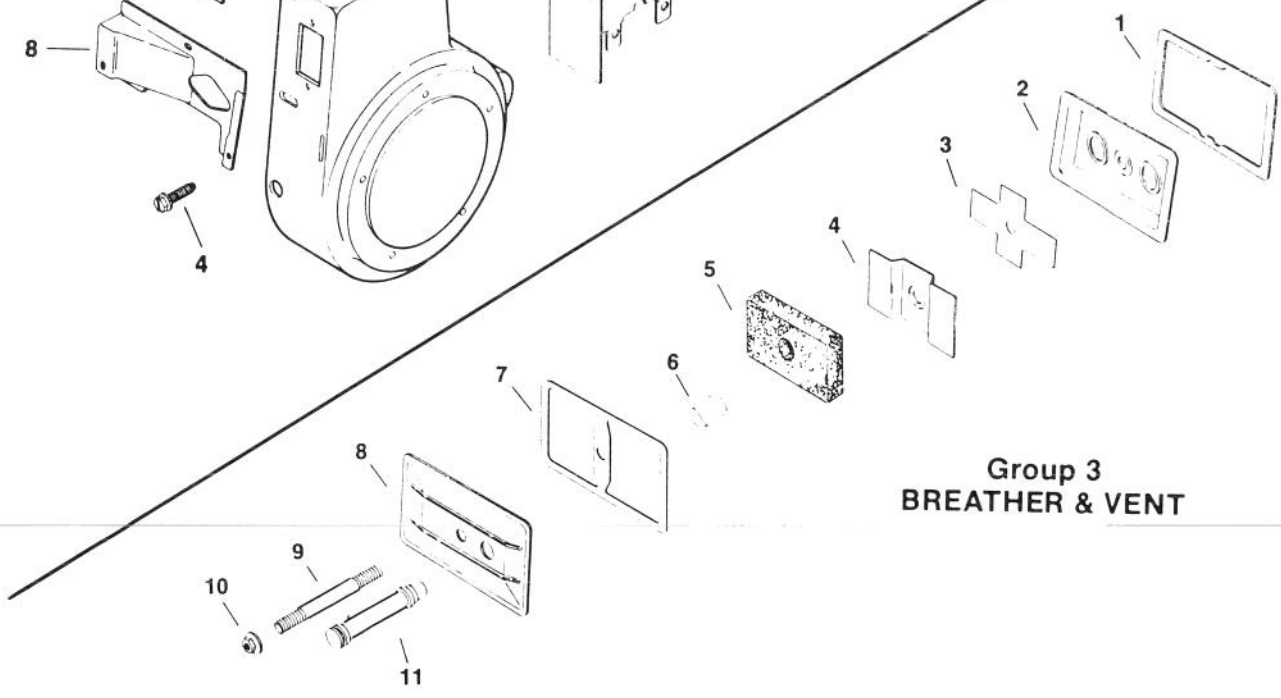
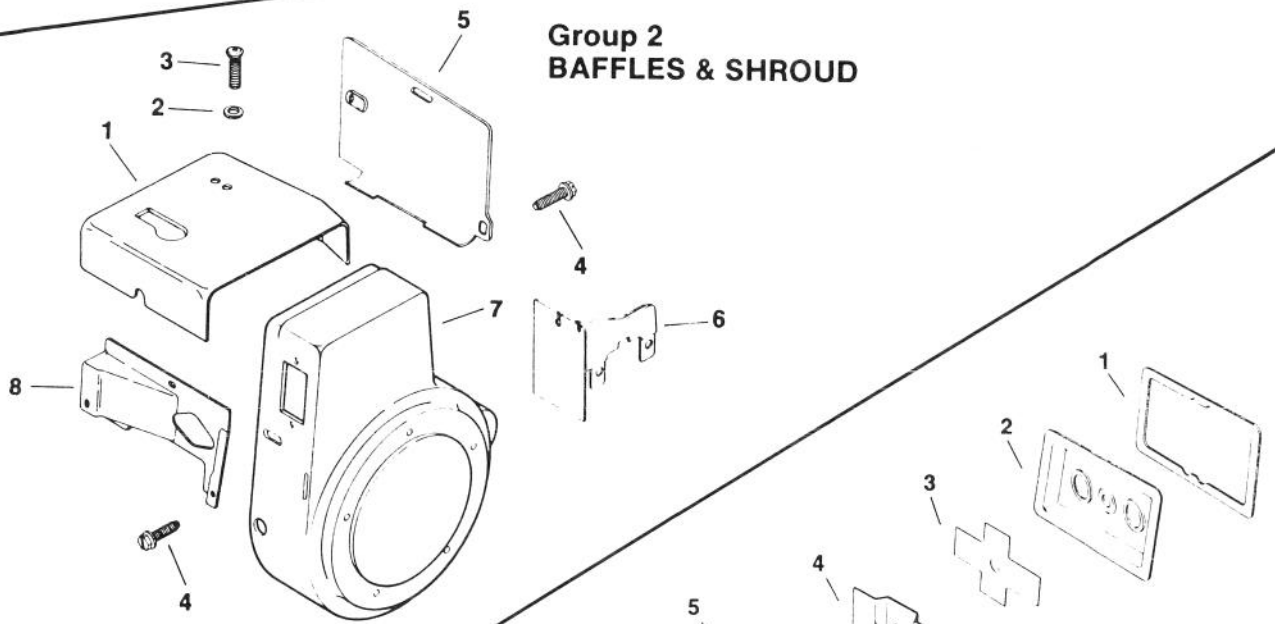
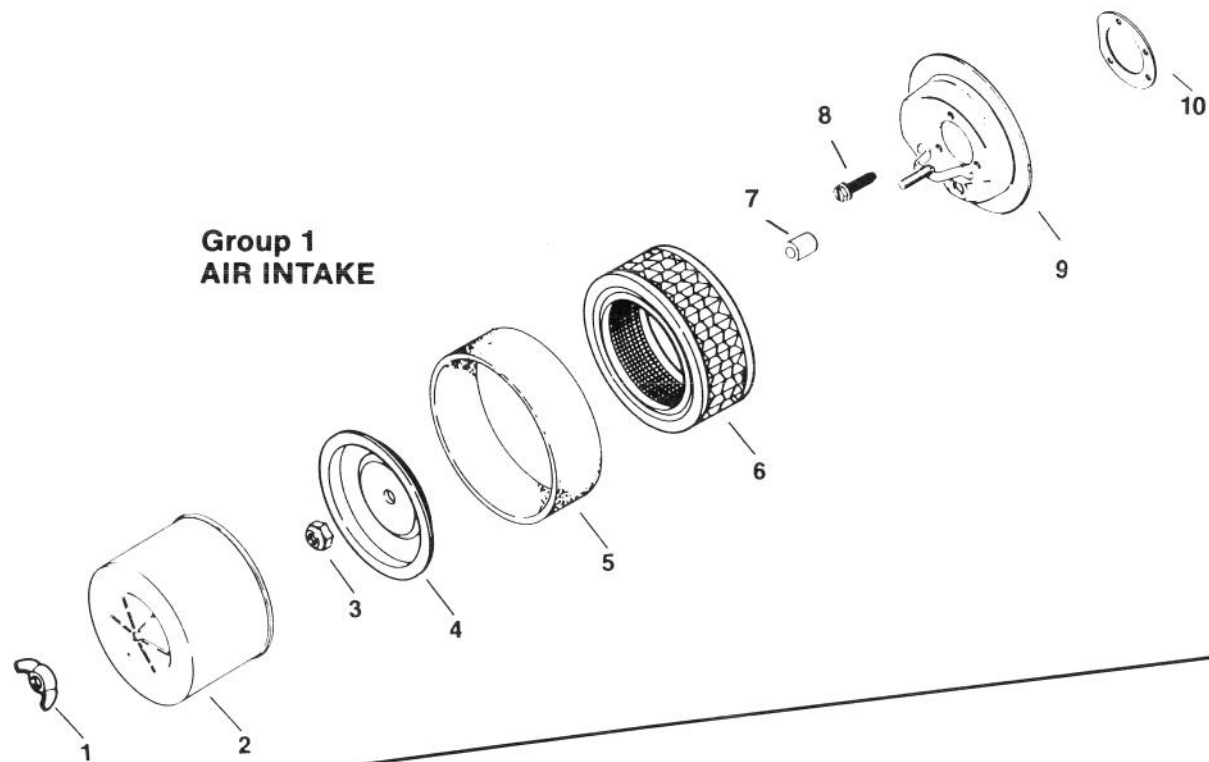
T-1447

DELUXE SEAT KIT NO. 76-1401 (OPTIONAL)

Ref. No.	Part No.	Description	No. Used
1	76-1401	Seat - Deluxe	1

Ref. No.	Part No.	Description	No. Used

ENGINE KOHLER MODEL NO. M12S SPEC. NO. 471580



ENGINE KOHLER MODEL NO. M12S SPEC. NO. 471580

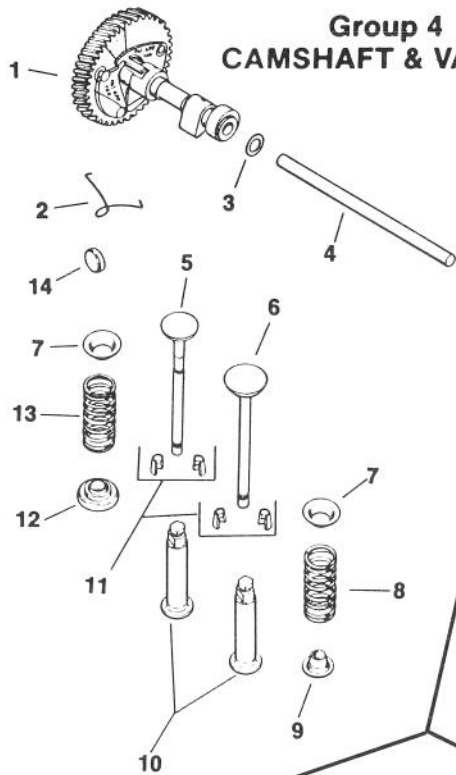
Ref. No.	Part No.	Description	No. Used
		AIR INTAKE - GROUP 1	
1	X-276-7	Nut - Wing	1
2	4508201	Cover - Air Cleaner	1
3	4110004	Nut - Jam	1
4	5208204	Cover - Element	1
5	4508301	Element - Precleaner	1
6	4508302	Element	1
7	231032	Seal	1
8	X-67-65	Screw - Hex. Washer Hd.	3
9	4709420	Base - Air Cleaner	1
10	4504107	Gasket - Air Cleaner	1
*	2511307	Decal - Air Cleaner	1
		BAFFLES & SHROUD GROUP 2	
1	4506308	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	Housing - Blower	1
8	4706311	Baffle - Side Air	1
*	4711320	Decal - Horsepower	1

Ref. No.	Part No.	Description	No. Used
		BREATHER & VENT GROUP 3	
1	235048	Gasket - Breather Plate	1
2	235631	Plate - Breather	1
3	235047	Reed - Breather	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 - Breather Plate	1
9	275220	Stud	1
10	X-799-1	Palnut	1
11	4732603	Hose - Breather	1

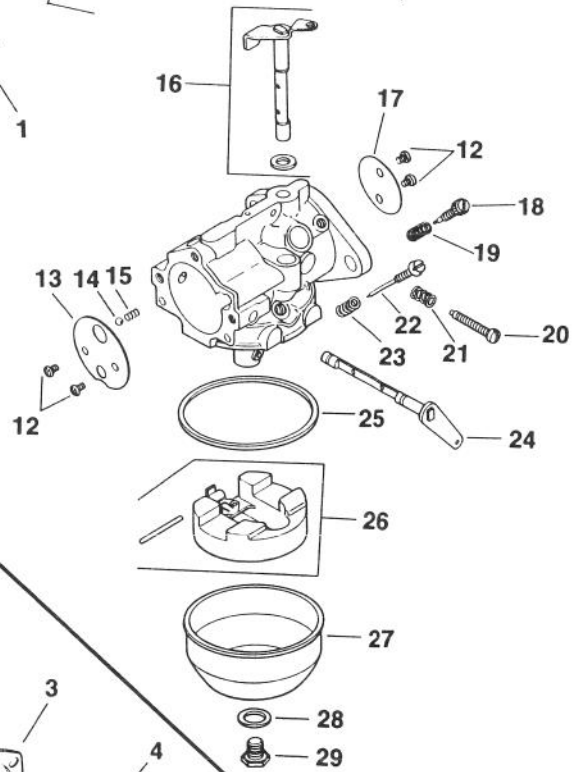
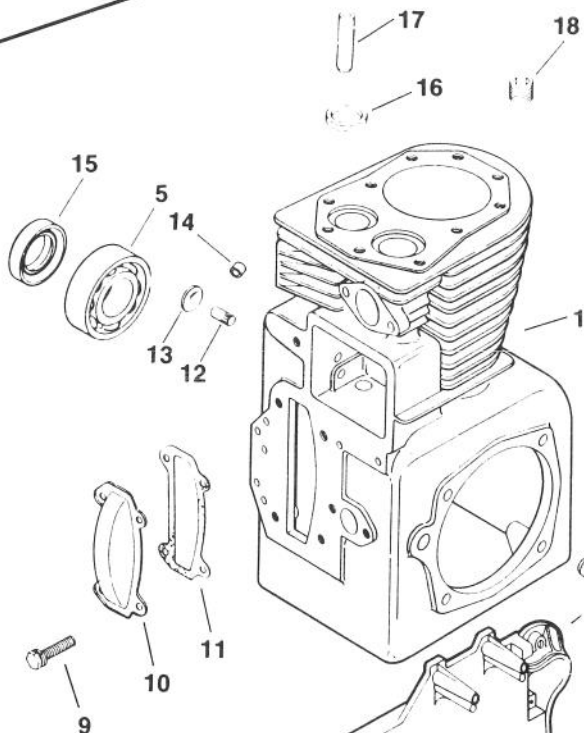
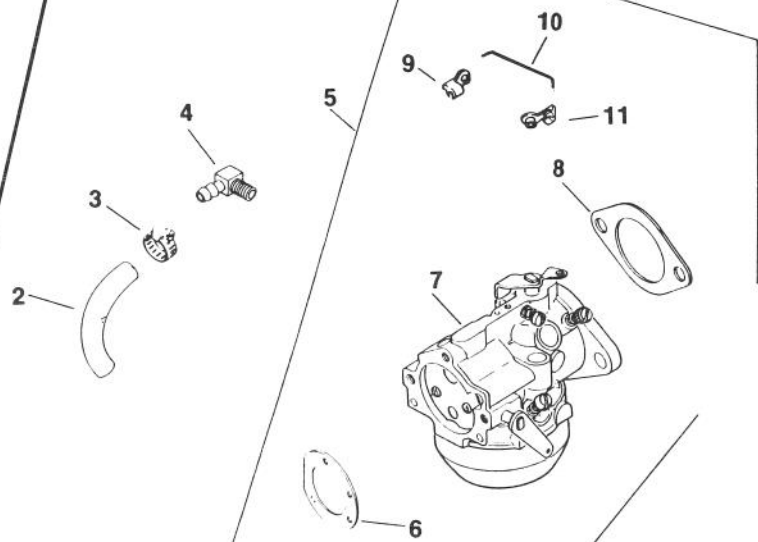
*Not Illustrated

ENGINE KOHLER MODEL NO. M12S SPEC. NO. 471580

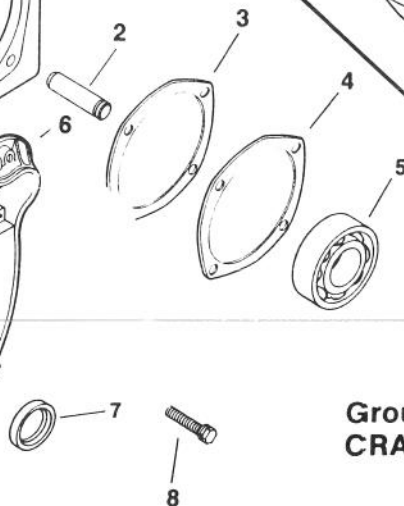
Group 4 CAMSHAFT & VALVES



Group 5 CARBURETOR



Group 7 CRANKCASE



ENGINE KOHLER MODEL NO. M12S SPEC. NO. 471580

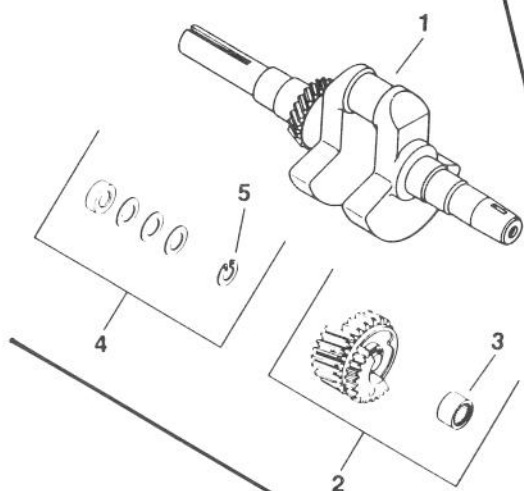
Ref. No.	Part No.	Description	No. Used
		CAMSHAFT & VALVES GROUP 4	
1	4701011	Assembly - Camshaft (Incl. Ref. #2)	1
2	4708901	Spring - Actuating	1
3	275066	Spacer .005	A/R
	270567	Spacer .010	A/R
4	4738009	Pin - Camshaft	1
5	235838	Valve - Exhaust	1
6	235008	Valve - Intake	1
7	235011	Retainer - Spring, Upper	2
8	235010	Spring - Intake Valve	1
9	230011	Retainer - Spring	1
10	D235327	Tappet	2
11	4175510	Kit - Retainer	2
12	5241301	Rotator - Valve	1
13	235168	Spring - Exhaust Valve	1
14	X-702-3	Plug - Cup	1
		CARBURETOR GROUP 5	
1	X-770-1	Screw - Slotted Hd.	2
2	2535308	Line - Fule	1
3	X-426-9	Clamp - Hose	2
4	2515502	Connector - Hose, 90°	1
5	4785320	Kit - Adj. Jet W/linkage (Incl. Ref. #6-11)	1
6	4504107	Gasket - Air Cleaner	1
†7	4705386	Carburetor (Incl. Ref. #12-29)	1
8	4704901	Gasket - Carburetor	1
9	2515809	Bushing - Linkage Retain.	1
10	4707910	Linkage - Carburetor	1
11	4715807	Bushing - Linkage Retain.	1
12	2508627	Screw - Throttle & Choke	4
13	2514602	Plate - Throttle	1
14	2519401	Ball - Choke Friction	1
15	2508903	Spring - Choke Friction	1
16	4714421	Shaft - W/Seal	1
17	4714608	Plate - Choke	1

Ref. No.	Part No.	Description	No. Used
18	2536801	Needle - Idle Fuel Adj.	1
19	2508902	Spring - Idle Fuel	1
20	2508626	Screw - Idle Speed Adj.	1
21	2508904	Spring - Idle Speed	1
22	2536803	Needle - Main Fuel	1
23	2508902	Spring - Main Fuel	1
24	4709038	Lever - Choke	1
25	2504104	Gasket - Bowl	1
26	2575709	Kit - Float	1
27	2510401	Bowl - Fuel	1
28	2504103	Gasket - Bowl Ret. Screw	1
29	2510005	Screw - Bowl Retainer	1
*	2575711	Kit - Repair, Carburetor	1
		CRANKCASE GROUP 7	
1		Assembly - Block, Cylinder (Use Mininblock 4778271)	1
2	236559	Shaft - Balanced Gear Stub	2
3	4742205	Gasket - Shim	A/R
4	4704109	Gasket - Plate, Bearing	1
5	235376	Bearing - Ball	2
6	4714611	Plate - Bearing	1
7	4703206	Seal - Front, Oil	1
8	X-159-2	Screw - Hex. Cap, Sems	4
9	X-231-6	Screw - Hex. Cap, Sems	4
10	235026	Cover - Camshaft	1
11	235025	Gasket - Cover, Camshaft	1
12	235125-S	Shaft - Gear, Governor	1
13	X-230-11	Plug - Expansion	1
14	238466	Bearing - Shaft, Governor	1
15	4703207	Seal - Rear, Oil	1
16	230170	Insert - Valve, Exhaust	1
17	235007-S	Guide - Valve	2
18	4713901	Plug - Hex. Countersunk	2

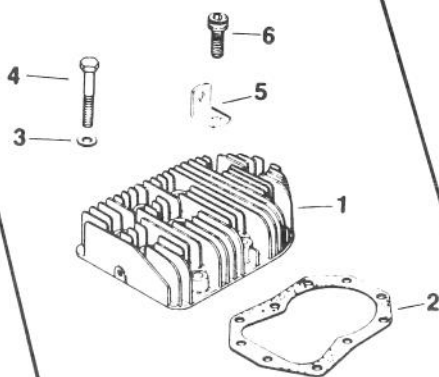
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ENGINE KOHLER MODEL NO. M12S SPEC. NO. 471580

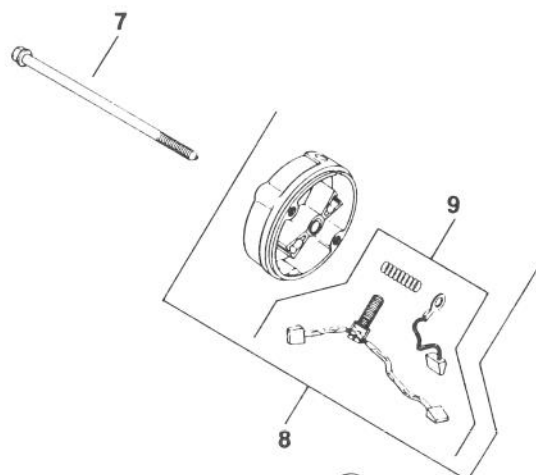
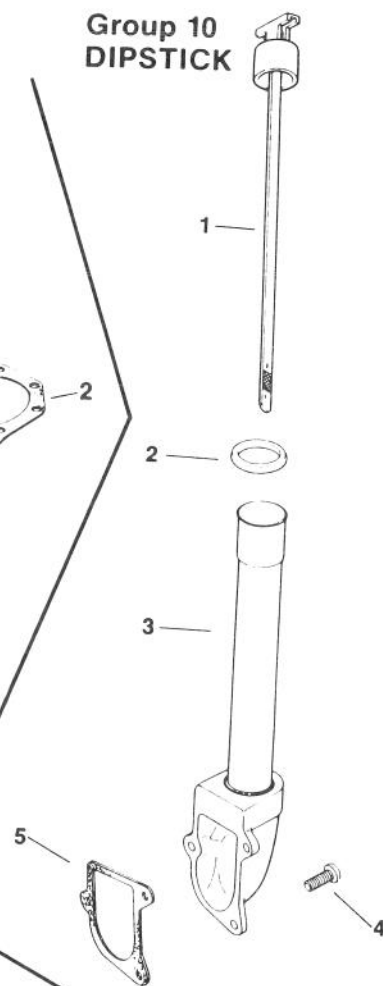
Group 8 CRANKSHAFT



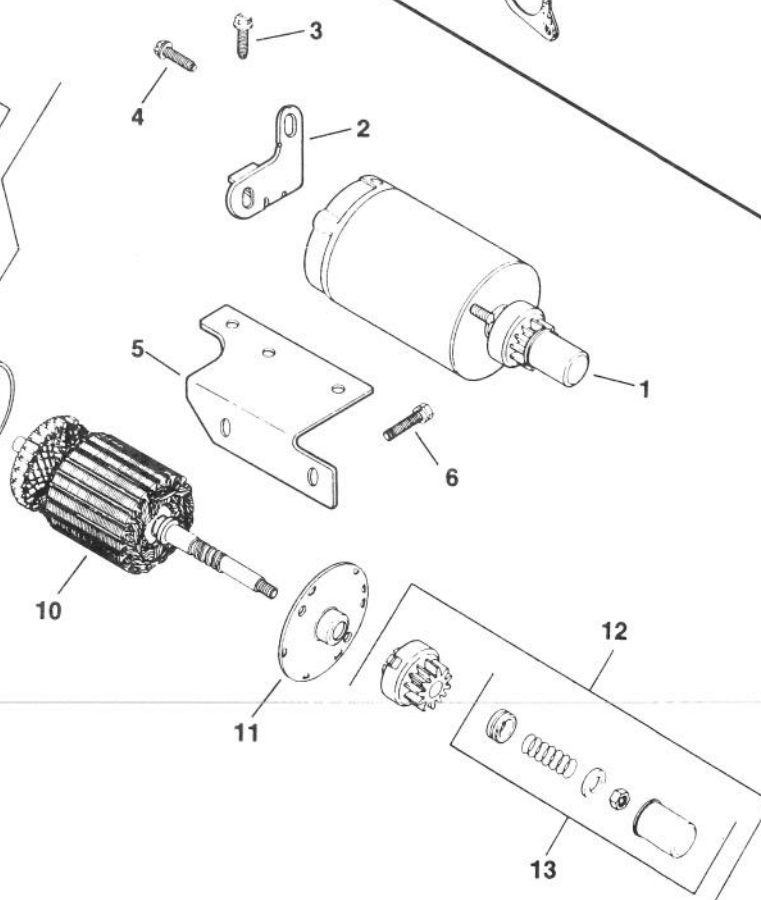
Group 9 CYLINDER HEAD



Group 10 DIPSTICK



Group 11 ELECTRIC START



ENGINE KOHLER MODEL NO. M12S SPEC. NO. 471580

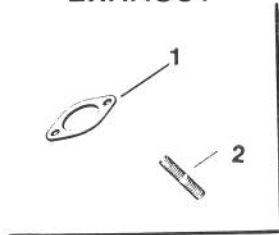
Ref. No.	Part No.	Description	No. Used
		CRANKSHAFT GROUP 8	
1	4714222	Kit - Crankshaft	1
2	4504303	Assembly - Gear (Incl. Ref. #3)	2
3	4703001	Bearing - Needle	2
4	4775501	Kit - Spacer (Incl. Ref. #5)	1
5	X-269-34	Retainer	2
		CYLINDER HEAD GROUP 9	
1	4701506	Head - Cylinder	1
2	4704115	Gasket - Head	1
3	270889	Washer - Plain	9
4	270158	Screw - Hex. Cap	8
5	4744502	Strap - Lifting	1
6	4708617	Screw - Hex. Soc. Hd.	1
		DIPSTICK GROUP 10	
1	4703826	Dipstick	1
2	4715301	O-Ring	1
3	4702906	Adapter - Oil Fill	1
4	X-131-2	Screw - Flat Hd. Sems	3

Ref. No.	Part No.	Description	No. Used
5	237064	Gasket - Oil Fill	1
		ELECTRIC START GROUP 11	
1	4109804	Assembly - Starter (Incl. Ref. #7-13)	1
2	4512617	Brace - Tail	1
3	X-67-83	Screw - Hex. Washer Hd.	1
4	X-67-62	Screw - Hex. Washer Hd.	1
5	4712629	Bracket - Solenoid	1
6	X-159-2	Screw - Hex. Cap, Sems	2
7	4108619	Bolt	2
8	5222703	Assy. - Cap/Commutator (Incl. Ref. #9)	1
9	5275515	Kit - Brush	1
10	4517002	Armature	1
11	4122703	Cap - End, Drive	1
12	4775507	Kit - Drive (Incl. Ref. #13)	1
13	4775513	Kit - Drive Parts	1
*	2545003	Tag - Caution	1
*	5235701	Lubricant - Starter	1

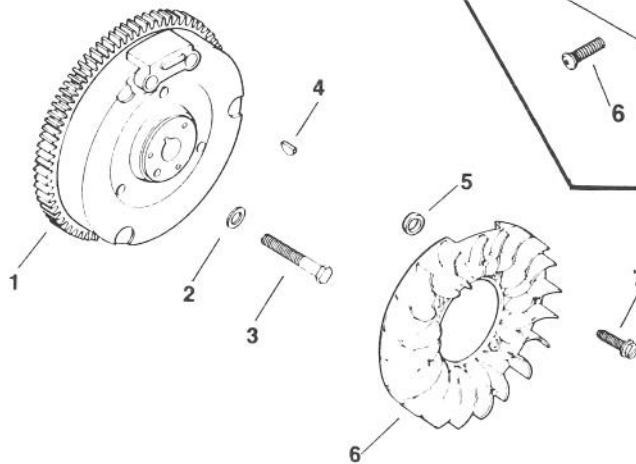
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ENGINE KOHLER MODEL NO. M12S SPEC. NO. 471580

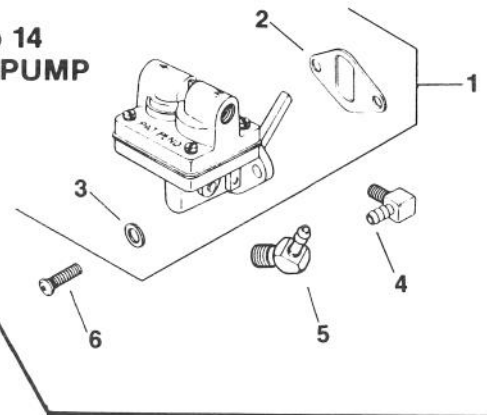
Group 12 EXHAUST



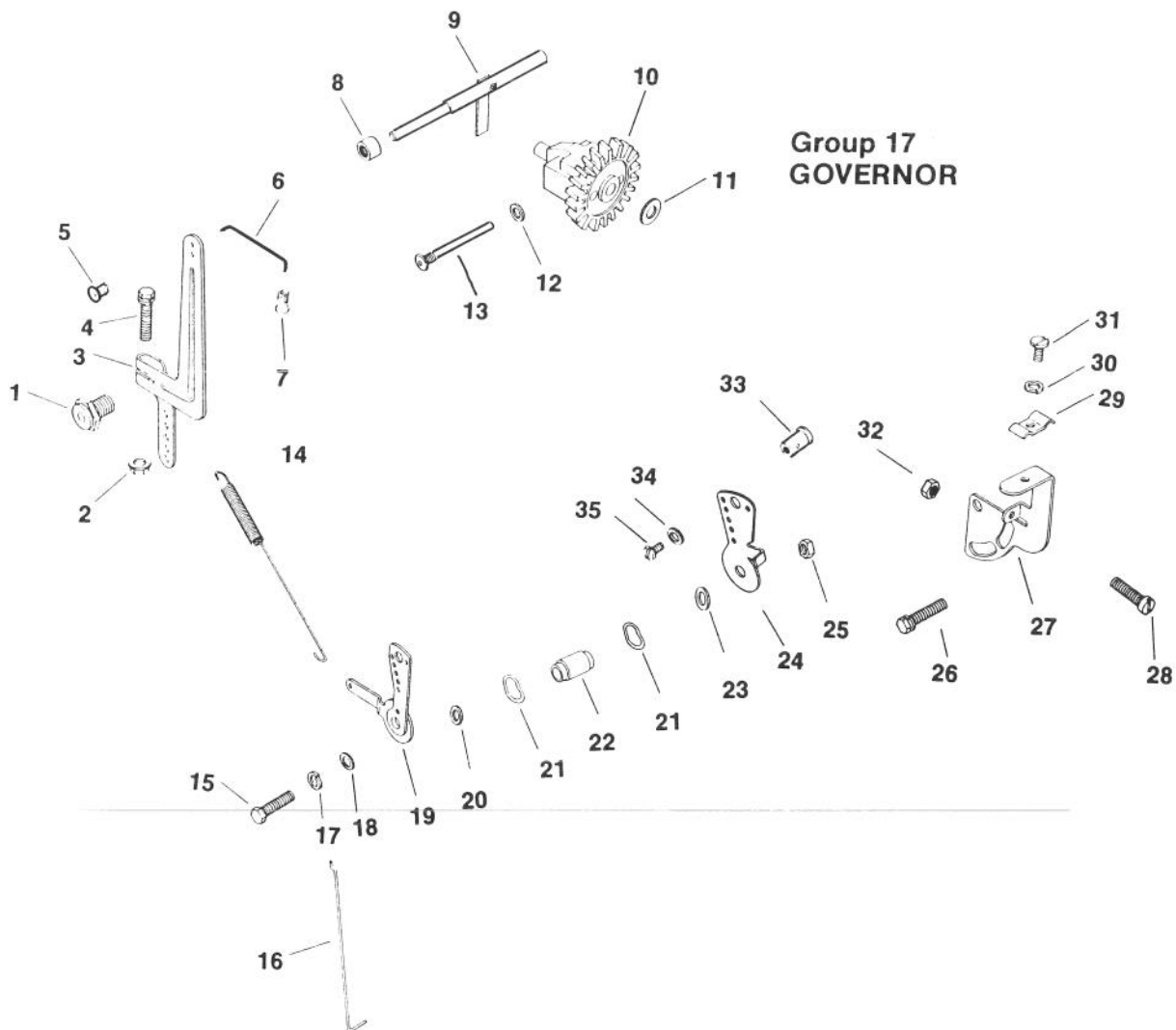
Group 13 FLYWHEEL



Group 14 FUEL PUMP



Group 17 GOVERNOR



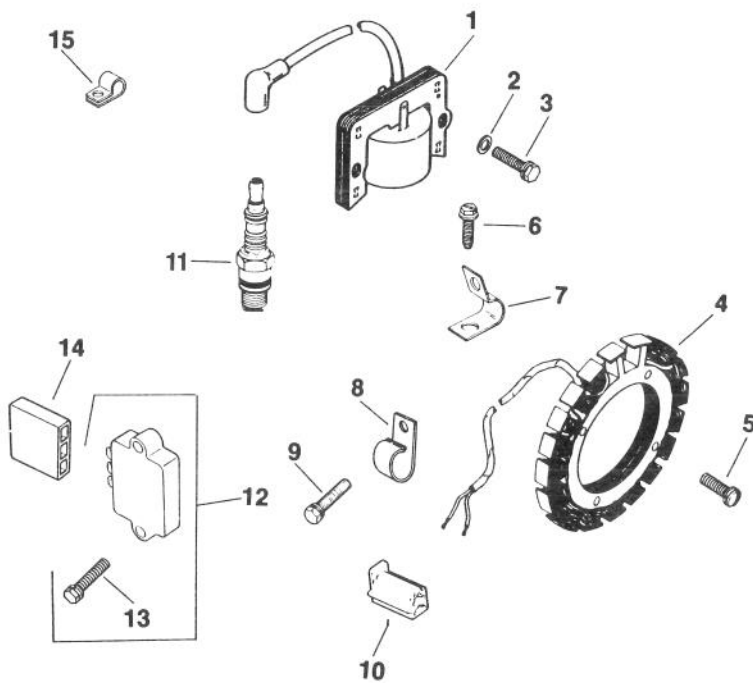
ENGINE KOHLER MODEL NO. M12S SPEC. NO. 471580

Ref. No.	Part No.	Description	No. Used
		EXHAUST GROUP 12	
1	235122	Gasket - Flange, 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. Washer Hd.	4
		FUEL PUMP GROUP 14	
1	4755904	Assembly - Fuel Pump (Incl. Ref. #2-3)	1
2	2504109	Gasket - Pump, Fuel	1
3	X-25-63	Washer - Plain	1
4	2515502	Connector - 90°	2
5	4715512	Connector - Hose	1
6	X-174-2	Screw - F.H.M.	2
		GOVERNOR GROUP 17	
1	235476	Bushing - Governor	1
2	X-799-1	Palnut	1
3	4709020	Lever - Governor	1
4	X-766-1	Screw - Hex. Hd. Sems	1
5	4715807	Bushing - Linkage, Retain.	1

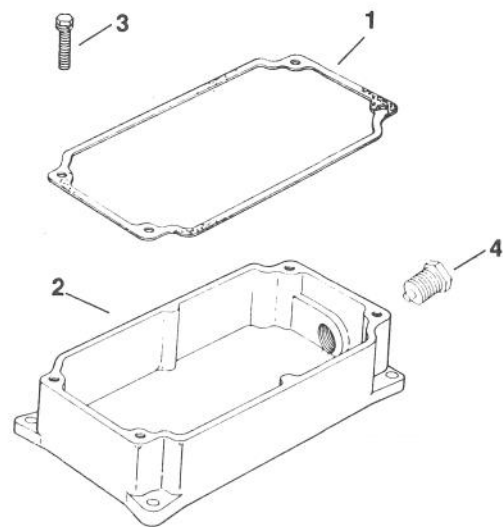
Ref. No.	Part No.	Description	No. Used
6	4707910	Linkage - Governor	1
7	2515809	Bushing - Linkage, Retain.	1
8	X-400-80	Spacer	1
9	A235256-S	Kit - Governor Shaft	1
10	A235743-S	Kit - Governor Gear	1
11	237022	Washer - Thrust	1
12	2546801	Washer - Plain	1
13	231355	Pin - Governor Stop	1
14	4709101	Spring - Governor	1
15	X-5-26	Screw - Hex. Cap	1
16	4707901	Linkage - Choke	1
17	X-20-1	Washer - Lock	1
18	X-25-63	Washer - Plain	1
19	4709006	Lever - Control, Choke	1
20	X-25-82	Washer - Plain	1
21	275690	Washer - Tension	2
22	4711202	Spacer	1
23	X-25-72	Washer - Plain	1
24	4709010	Lever - Control, Throttle	1
25	X-76-2	Nut - Hex.	1
26	X-132-6	Screw - Hex. Hd. Sems	1
27	4712609	Bracket	1
28	232556	Screw - Lever, Throttle	1
29	4723702	Clamp	1
30	2546804	Washer - Plain	1
31	X-67-51	Screw - Hex. Washer Hd.	1
32	X-72-4	Nut - Hex.	1
33	4875510	Kit - Clamp	1
34	X-25102	Washer - Plain	1
35	X-51-8	Screw - Slotted Pan Hd.	1

ENGINE KOHLER MODEL NO. M12S SPEC. NO. 471580

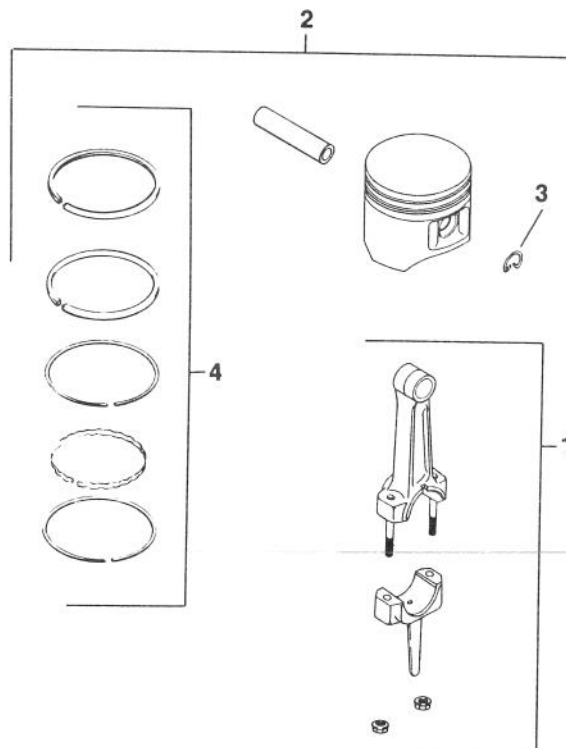
Group 18 IGNITION



Group 21 OIL PAN



Group 22 PISTON & ROD



ENGINE KOHLER MODEL NO. M12S SPEC. NO. 471580

Ref. No.	Part No.	Description	No. Used
		IGNITION GROUP 18	
1	4758402	Module - Ignition	1
2	X-25-79	Washer - Plain	2
3	X-156-1	Screw - Hex. Cap, Sems	2
4	237878	Kit - Stator (Incl. Ref. #5)	1
5	X-67-51	Screw - Hex. Washer Hd.	4
6	X-67-59	Screw - Hex. Washer Hd.	1
7	X-728-1	Clip - Lead	1
8	235173	Clip	1
9	X-132-6	Screw - Hex. Hd. Sems	1
10	4115503	Connector - Male	1
11	2313202	Plug - Spark	1
12	2575503	Kit - Rectifier (Incl. Ref. #13)	1
13	X-132-5	Screw - Hex. Hd. Sems	2
14	236602	Connector - Female	1
15	210281	Clip - Lead, Hi-Tension	1
*	4751843	Lead - White w/Diode	1
*	4751846	Lead - Violet, Rectifier	1
		OIL PAN GROUP 21	
1	235057	Gasket - Oil Pan	1
2	235147	Pan - Oil	1
3	X-159-3	Screw - Hex. Cap, Sems	4
4	X-305-4	Plug - Hex. Hd.	1

Ref. No.	Part No.	Description	No. Used
		PISTON & ROD GROUP 22	
1	4506724	Rod - Connecting (Std).	1
	4506725	Rod - Connecting (.010)	1
2	4787416	Piston w/Ring Set (Std.)	1
	4787417	Piston w/Ring Set (.003)	1
	4787418	Piston w/Ring Set (.010)	1
	4787419	Piston w/Ring Set (.020)	1
	4787420	Piston w/Ring Set (.030)	1
3	4701801	Retainer - Piston Pin	2
4	4710801	Ring Set - (Std. & .003)	1
	4710802	Ring Set - (.010)	1
	4710803	Ring Set - (.020)	1
	4710804	Ring Set - (.030)	1
*	4778271	Miniblock	1
*	4775527	Gasket Set w/Seals	1
*	4700402	Gasket Set w/o Seals	1

*Not Illustrated

PART NUMBER INDEX

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
5-1720	Washer	23 13 1	20-9350	Mount - Spring	25 9 4
5-2942	Shackle	22 5 1	20-9390	Rod - Actuating	25 11 2
10-6830	Stud - Drive Type	15 13 4	20-9400	Pin - Actuating	25 7 2
10-6830	Stud - Wheel	10 86 8	20-9410	Tube - Support, Center	25 18 1
10-7070	Key - Square	4 55 1	20-9420	Spring	25 10 2
10-9240	Clamp - Seat	1 12 2	20-9420	Spring - Compression	26 5 2
11-9760	Screw - Self Tapping	3 29 3	20-9430	Weight	24 4 2
12-5950	Bolt - Battery	6 48 2	20-9460	Key	24 22 2
12-8130	Hour Meter	6 17 1	20-9470	Shaft	24 21 2
17-2490	Sprocket	7 63 1	20-9480	Spacer	24 20 20
17-4710	Hub - Wheel	9 59 2	20-9490	Washer	24 17 2
18-1520	Assembly - Filter, Gas	4 60 1	20-9500	Washer	24 23 2
18-6320	Washer - Steering	15 3 2	20-9530	Washer - End	24 27 2
18-6340	Shaft - Steering	6 44 1	20-9540	Key	24 25 2
18-6370	Chain	6 46 1	20-9550	Spring - Compression	24 3 4
18-6380	Pin - Steering, Adjustment	7 61 2	20-9980	Hub	24 26 2
18-6650	Nut - Adjuster	2 35 1	20-9990	Nut	25 12 2
18-6710	Tube - Front	10 78 1	21-4010	Ball Joint	25 13 2
18-6720	Tube - Rear	10 79 1	21-5360	Hose (Pump to Reservoir)	10 82 1
18-6900	Decal - Toro	24 5 1	21-5370	Hose (Pump to "T")	10 81 2
18-6900	Decal - Toro	26 10 1	21-6000	Spiker - Depth Gauge	24 * 1
18-7160	Pin	10 87 1	22-4560	Rod - Control	9 15 1
18-7170	Bar - Lift	19 37 1	22-4670	Hose (Valve to Cylinder)	10 70 2
18-7220	Bracket - Pivot, L.H.	19 35 1	22-8330	Plug	14 1 2
18-7250	Bracket - Pivot, R.H.	19 41 1	22-8340	Spring	14 3 2
18-7260	Hoop - Wheel, R.H.	19 2 1	22-8350	Ball	14 4 2
18-7280	Mount - Rake	19 38 1	22-8360	Pin - Cam	14 6 2
18-7310	Pin - Rake	9 50 1	22-8370	Seat-Check Valve	14 5 2
18-7360	Hoop - Wheel, L.H.	19 29 1	22-8380	Retainer - Spring	14 10 2
18-7380	Rake - Upper, (Center)	19 14 2	22-8410	Spring	14 11 1
18-7420	Rake - Upper, L.H.	19 19 1	22-8420	Spool	14 8 1
18-7450	Rake - Upper	19 4 1	22-8480	Ring - Retaining, Spool	14 13 1
18-7460	Rake - Bar	19 28 4	22-8490	Ring - Retaining	14 14 1
18-7520	Hoop - Lift	19 13 4	22-8500	O-Ring	14 9 2
18-7530	Assembly - Ball Joint (Ctr.)	19 40 4	23-0660	Switch	6 11 1
18-7550	Assembly - Ball Joint	19 3 4	23-2680	Arm - Lift	26 19 1
18-7570	Weight - Drag	19 10 8	23-2690	Anchor R.H.	26 21 2
18-7590	Weight - Drag (Secondary)	19 17 6	23-2710	Mount	26 18 1
18-7650	Weight	19 24 4	23-2720	Sleeve - Adjusting	26 24 2
18-7660	Bracket - Swivel	19 21 2	23-2730	Collar - Lock	26 22 2
18-8000	Mount - Rubber	10 92 3	23-2740	Pin - Actuating	26 7 2
20-3910	Hitch	21 1 1	23-2750	Scarifier (43 Fingers)	26 15 1
20-3970	Mount - Pivot	23 20 1	23-2760	Mount - Spring	26 6 4
20-3980	Crank - Bell	23 15 1	23-2770	Rod - Actuating	26 8 2
20-4020	Plate - Support, Disk	23 26 1	23-2780	Plow	26 2 1
20-4030	Arm - Edger	23 7 1	23-2790	Blade - Scraper	26 9 1
20-4050	Support - Disk	23 27 1	23-2810	Anchor L.H.	26 16 2
20-4070	Disk - Edger	23 3 1	23-3010	Scarifier (22 Fingers)	26 * 1
20-4090	Bearing - Disk	23 24 1	23-3030	Spacer	14 12 1
20-4190	Link - Actuator	23 9 1	23-9740	Filter - Oil	9 36 1
20-4200	Clip - Spring	23 23 2	24-0760	Cooler - Oil	1 1 1
20-4230	Pin - Cylinder	23 14 1	25-2380	Plate - Thrust	5 39 1
20-4290	Mat - Drag	22 1 1	25-2390	Plate - Valve	5 40 1
20-4670	Assembly - Cable, Drag	19 9 14	25-2400	Gasket	5 43 1
20-7380	Spike - Blade	24 19 24	25-2430	Pin - Straight, Headless	5 41 1
20-7400	Spacer - End	24 18 4	25-2450	Plate - Swash	5 37 1
20-9040	Assembly - Frame, L.H.	24 10 1	25-2460	Plug	5 14 2
20-9050	Assembly - Frame, R.H.	24 * 1	25-2470	Kit - Shim Pack	5 16 2
20-9140	Assembly - Fork, L.H.	24 1 1	25-2480	Spring - Relief, Charge	5 32 1
20-9150	Assembly - Fork, R.H.	24 * 1	25-2490	Valve - Check, Ball	5 47 2
20-9190	Arm - Lift	25 4 1	25-2510	Washer	5 11 2
20-9260	Anchor - L.H.	25 16 1	25-2530	Pin - Straight, Headless	5 26 1
20-9270	Anchor R.H.	25 2 1	25-2560	Cone - Valve, Relief	5 18 1
20-9310	Mount	25 1 1	25-2560	Cone - Valve, Relief	5 33 1

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Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
25-2570	Spring - Valve, Relief	5 17 1	49-9550	Pipe - Exhaust	3 9 1
25-2580	Shaft - Trunion	5 12 1	49-9580	Bracket - Muffler	1 30 1
25-2620	Valve - By-Pass	5 4 1	49-9590	Shield - Rubber	2 38 1
25-2630	Ring	5 3 1	49-9600	Hub - Pump	3 13 1
25-2640	Spring - Valve, Check	5 48 2	49-9730	Screen - Panel, Dash	6 4 1
25-2650	Plug - Valve, Check	5 50 2	49-9760	Shield	2 42 1
25-2680	Assembly - Gerator	5 25 1	49-9850	Hose - Air Intake	8 1 1
25-2690	Housing - Pump, Charge	5 21 1	49-9970	Hose (Pump to Cooler)	10 84 1
25-3180	Kit - Valve, Check	5 * 1	49-9980	Retainer - Shield, Rubber	2 37 1
25-3210	Seal - Lip	5 10 2	51-0570	Pad - Foot Rest, R.H.	2 49 1
25-3220	Kit - Pump, Charge	5 * 1	51-0580	Pad - Foot Rest, L.H.	1 29 1
25-3300	Bearing - Needle	5 42 1	51-0590	Hose (Pump to Valve)	10 83 1
25-8160	U-Joint	6 36 1	51-0620	Tube - Shuttle Valve	10 73 1
26-2950	Stand Off - Wire	3 23 1	51-0630	Tube (Cooler to Pump)	10 85 1
26-3790	Nut - Lock	9 61 2	51-0650	Tube (Valve to Cooler)	10 69 1
27-1960	Coupling - Engine	3 12 1	51-0670	Hose - Fuel	4 61 1
27-6600	Spacer - Coupling, Rubber	3 51 4	51-0670	Hose - Fuel Line	3 6 1
27-6602	Spacer	17 21 4	51-0700	Muffler	1 8 1
28-0830	Holder - Mat, Drag	22 8 2	51-0760	Channel - Seat	1 10 1
28-1070	Tire	9 60 2	51-0780	Slider - Seat	6 34 1
28-1070	Tire	15 17 1	51-0790	Adjuster - Seat	6 39 1
28-4210	Solenoid	6 41 1	51-0990	Spark Arrestor - Muffler	1 * 1
28-8080	Boot - Battery	6 50 1	51-1020	Assembly - Adaptor	8 5 1
29-6120	Plate - Pump	3 21 1	51-1030	Tab - Lock	8 3 1
29-6150	Leaf - Spring	3 31 1	51-3150	Shim - Spring Arm	3 24 1
29-6162	Switch - Micro	3 37 1	51-3160	Trim - Jiffy	10 95 1
29-6170	Assembly - Extended Leaf	3 30 1	51-3161	Trim - Jiffy	10 97 1
33-0990	Ammeter	6 8 1	53-9360	Kit - Housing	5 8 1
33-1300	Assembly - Element	8 12 1	53-9360	Pump	3 43 1
33-1310	Baffle	8 11 1	53-9470	Hose (Filter to Pump)	10 68 1
33-1320	Assembly - Cup	8 10 1	55-4190	Screw - Mach. Hex Hd.	8 2 3
33-1330	Assembly - Nut	8 9 1	55-4450	Sponge - Self Adhesive	2 53 1
33-1340	Assembly - Clamp	8 8 1	56-2520	Fitting	1 25 1
33-1350	Assembly - Band, Mounting	8 7 2	57-5420	Screw	9 23 1
36-5370	Shaft - Pump	5 6 1	61-2790	Screen - Filter	10 104 1
37-8030	Mount - Pump	3 14 1	61-3230	Spacer	4 68 1
38-0860	Spring - Compression	2 34 1	63-8440	Decal - Hot Surface	2 44 1
38-3400	Guard - Rubber	10 71 1	66-6681	Seat	6 31 1
39-9600	Clamp - Mounting	6 6 1	67-0860	Washer - Flat	31 1 4
42-1910	Plate	20 1 4	67-9480	Washer	18 17 2
42-1940	Prong - Rake	20 4 40	68-9700	Cylinder - Hydraulic	10 88 1
43-1730	Body	14 7 1	70-2770	Head	13 11 1
43-1950	Valve - Control, Hydraulic	9 41 1	70-2780	Piston	13 6 1
43-5220	Ring - Retaining	13 13 1	70-2790	Kit - Repair, Seal	13 * 1
43-5230	Shaft with Clevis	13 14 1	70-8040	Washer	18 2 1
43-5260	Barrel - w/Clevis & Ports	13 3 1	70-8631	Cap - Gas	1 20 1
43-8590	Assembly - Head, Filter	9 34 1	74-0720	Tube - Manual	7 74 1
44-2230	Coupling - Rubber	4 53 1	74-9100	Pad - Pedal, Forward	2 48 1
44-2520	Clip - Spring	15 9 1	75-9831	Motor - Wheel, Left Rear	9 56 1
46-3710	Fitting	3 2 1	75-9840	Motor - Wheel, Right Rear	9 * 1
46-4810	Rim	10 62 2	76-0800	Kit - Seal	11 * 1
46-4810	Rim	15 16 1	76-0800	Kit - Seal	12 * 1
46-7510	Hood - Inlet, Air	8 16 1	76-0810	Assembly - Housing	11 * 1
46-8560	Screw - Flange, Hex. Hd.	2 39 6	76-0810	Assembly - Housing	12 * 1
46-8560	Screw - Hex. Washer Hd.	4 70 3	76-0820	Link - Drive	11 13 1
46-8560	Screw - Self Tapping	10 98 4	76-0820	Link - Drive	12 13 7
46-8810	Stop - Leaf Spring	3 20 1	76-0830	Rotor Set	11 * 1
48-1800	Kit - Cylinder Block	5 5 1	76-0830	Rotor Set	12 * 1
49-8470	Kit - Shim-Pack	5 51 2	76-0840	Manifold	11 22 1
49-8480	Shaft - Trunion	5 28 1	76-0840	Manifold	12 22 1
49-8490	Plug - Standard Thread	5 19 1	76-0850	Bearing - Thrust	11 12 1
49-8510	Kit - Valve, Charge Relief	5 * 1	76-0850	Bearing - Thrust	12 12 1
49-8520	Kit - Implement Relief	5 * 1	76-0860	Shaft - Coupling	11 11 1
49-9500	Base - Engine	4 57 1	76-0860	Shaft - Coupling	12 11 1

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Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
76-0870	Plate - Wear	11 18 1	84-2590	Rake - Prong	29 17 27
76-0870	Plate - Wear	12 18 1	84-2620	Angle - W.A.	27 15 1
76-0880	Assembly - Commutator	11 * 1	84-2630	Hook	27 9 2
76-0880	Assembly - Commutator	12 * 1	84-2680	Hanger W.A.	28 2 1
76-0890	Assembly	11 29 1	84-7840	Frame	1 9 1
76-0940	Assembly - Cover, End	12 24 1	84-7850	Tube - Front	10 74 1
76-1020	Screw - Cap, Hex. Hd.	12 14 1	84-7860	Tube - Rear	10 75 1
76-1040	Screw - Cap, Hex. Hd.	11 14 7	84-7870	Wire (Solenoid to Battery)	7 54 1
76-1401	Seat - Deluxe	31 1 1	84-7910	Fork	15 28 1
76-1420	Wheel - Steering	6 21 1	84-7940	Shaft - Axle	15 14 1
76-4660	Spring - Extension	18 7 1	84-7980	Panel - Dash	7 80 1
77-0350	Washer - Thrust, Nylon	17 22 8	84-8010	Decal - Sand Pro 2000	7 65 2
77-0590	Tank - Hydraulic	9 8 1	84-8020	Control - Throttle	6 24 1
77-0990	Tank - Gas	1 19 1	84-8030	Control - Choke	6 15 1
77-5080	Swivel - Drag	19 25 2	84-8050	Hose - Gas	2 56 1
77-5090	Plate - Drag (Secondary)	19 18 3	84-8060	Engine - Kohler	3 7 1
77-5100	Plate - Drag, Main	19 8 4	84-8100	Battery Clamp	6 49 1
80-1190	Blade	17 1 1	84-8120	Base - Tank, Fuel	1 23 1
80-1210	Block - Mounting	17 7 2	84-8170	Shroud - Valve	1 7 1
80-1300	Bolt - Shoulder	18 6 1	85-0020	Angle W.A.	30 20 1
80-1330	Frame W.A.	16 10 1	85-0070	Bracket - W.A. - R.H.	30 * 1
80-1340	Beam W.A.	16 3 1	85-0100	Bracket - W.A. - L.H.	30 9 1
80-1350	Bar W.A.	16 9 8	85-0120	Pin	30 5 2
80-1370	Arm - Extension, R.H.	18 9 1	85-0130	Spacer - Spring	30 7 4
80-1380	Plate - W.A., R.H.	18 19 1	85-0140	Spring - Torsion, L.H.	30 2 2
80-1400	Arm - Extension, L.H.	18 * 1	85-0150	Spring - Torsion, R.H.	30 8 2
80-1410	Plate - W.A., L.H.	18 * 1	85-0160	Sweep W.A.	30 10 5
80-1420	Bracket - W.A., R.H.	17 6 1	85-0190	Lift Arm W.A.	30 13 2
80-1430	Bracket - W.A., L.H.	17 17 1	85-0230	Rod - Adjustment	30 17 2
80-1460	Rod	18 20 1	85-0240	Bolt - Shoulder	30 15 2
80-1470	Spring	18 3 1	85-0250	Spacer	30 14 2
80-1640	Sweep	16 7 8	85-0260	Block	30 18 2
80-1680	Bracket - Pivot, L.H.	16 12 1	85-0270	Pin - Lock	30 12 2
80-1680	Bracket - Pivot, W.A. LH	27 1 1	85-6500	Pedal	2 47 1
80-1690	Bracket - Pivot, R.H.	16 15 1	85-6570	Tube (Filter to Tank)	10 72 1
80-1690	Bracket - Pivot, W.A. RH	27 7 1	85-6590	Dash - Assy.	6 5 1
80-1700	Assembly - Sweep	16 16 8	85-6600	Decal - Dash	6 10 1
80-1710	Angle - Support	16 14 1	85-6610	Shaft - Steering	6 23 1
80-1750	Arm - Lift	18 18 1	85-6640	Shield - Blower	10 96 1
80-1760	Plate - W.A.	18 15 1	85-6670	Wire (Traction Sw. Ground)	7 58 1
80-1800	Spring - Compression	18 13 2	85-6680	Shield - Engine	15 6 1
80-1820	Channel	17 2 1	86-1500	Decal - Infield Pro 2000	7 * 2
80-1830	Plate - Wear	17 14 2	86-4870	Cap - Hydraulic Tank	9 21 1
80-1840	Pin	17 19 2	86-4880	Wire	7 57 1
80-1850	Handle	17 5 1	86-4920	Bracket - Dampener	4 63 1
80-1860	Handle - Upright	17 27 2	86-4930	Rod - Pump	2 33 1
80-1890	Spacer	17 26 4	86-4940	Decal - Operating	15 36 1
80-1910	Decal - Lift	2 54 1	86-4970	Dampener	4 65 1
80-1920	Decal - Warning	17 24 1	86-4980	Nut - Jam	4 64 1
80-1930	Decal - Latch	18 10 1	86-5000	Pump - Lever, W.A.	3 28 1
80-2030	Spacer	7 77 1	86-5020	Hose - Gas	2 55 1
82-4640	Battery - 12 Volt	7 52 1	86-5040	Bracket - Pivot	9 11 1
84-2230	Pivot - W.A.	27 12 1	86-5050	Link	9 12 1
84-2280	Rake - Finishing	29 12 5	86-5060	Spacer	9 6 2
84-2350	Spacer - Long	29 2 2	86-5070	Shield - Dampener	4 69 1
84-2360	Plate - L.H. Trowel W.A.	29 18 1	86-5090	Wire Harness	7 56 1
84-2390	Plate - Center, Trowel W.A.	29 5 1	86-7440	Wire (Solenoid to Starter)	7 55 1
84-2400	Plate - R.H. Trowel W.A.	29 10 1	86-7460	Wire (Battery to Ground)	7 53 1
84-2410	Spacer - Short	29 7 2	86-7610	Plate - Seat	6 33 1
84-2420	Arm - Lift, W.A.	27 4 1	86-7640	Box - Litter	15 8 1
84-2450	Chain - 4 Links	29 11 6	218-412	Key	6 12 2
84-2451	Chain - 5 Links	29 13 4	281-489	Holder - Fuse	7 79 1
84-2452	Chain - 14 Links	28 1 2	218-515	Bracket - Mounting	6 18 1
84-2550	Trowel - Smooth	29 14 3	218-598	Fuse 20 AMP.	7 59 1

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Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
2210-118	Gasket - Exhaust	3 8 1	2710-31	Chain - Link, Connecting	7 62 2
232-35	Stem - Valve	10 64 2	283-10	Pin	22 7 1
232-35	Stem - Valve	15 15 1	283-16	Pin - Clevis	9 17 1
232-37	Tube - Inner, Tire	15 * 1	283-17	Pin - Clevis	9 16 2
232-37	Tube - Inner, Tire	10 * 2	283-40	Pin - Clevis	26 14 5
233-25	Knob	6 20 1	283-68	Pin - Clevis	27 11 1
233-33	Knob	9 13 1	283-80	Assembly - Lynch Pin	16 4 8
237-22	O-Ring	5 2 1	283-83	Pin - Clevis	27 10 1
237-30	O-Ring	5 44 2	285-17	Plug - Pipe	5 1 4
237-40	O-Ring	9 27 1	2820-2	Chain	22 4 1
237-42	O-Ring	3 44 2	302-11	Fitting - Grease	2 50 1
237-42	O-Ring	9 19 2	321-3	Screw - Cap, Hex. Hd.	6 1 4
237-42	O-Ring	14 2 2	321-4	Screw - Cap, Hex Hd.	1 18 1
237-78	O-Ring	9 29 1	321-4	Screw - Cap, Hex. Hd.	3 32 2
237-78	O-Ring	9 48 2	321-4	Screw - Cap Hex. Hd.	9 1 3
237-78	O-Ring	13 2 2	321-4	Screw - Cap, Hex. Hd.	19 20 8
237-79	O-Ring	3 40 3	321-5	Screw - Cap, Hex. Hd.	15 11 2
237-79	O-Ring	9 2 1	321-14	Screw - Cap, Hex. Hd.	9 9 4
237-80	O-Ring	9 55 4	321-31	Screw - Cap, Hex. Hd.	19 27 16
237-86	O-Ring	5 15 2	322-1	Screw - Cap, Hex. Hd.	8 18 4
237-86	O-Ring	5 49 2	322-2	Screw - Cap, Hex. Hd.	6 35 8
237-95	O-Ring	5 27 1	322-3	Screw - Cap Hex. Hd.	6 51 2
237-136	Grommet	1 21 4	322-3	Screw - Cap, Hex Hd.	1 11 2
237-136	Grommet	9 3 4	322-4	Screw - Cap, Hex. Hd.	5 24 4
237-137	O-Ring	8 4 3	322-5	Screw - Cap, Hex. Hd.	2 36 3
240-9	Grommet	2 57 3	322-5	Screw - Cap, Hex. Hd.	19 5 18
242-50	Nut - Lug	15 19 4	322-9	Screw - Cap Hex. Hd.	17 11 2
242-50	Nut - Wheel	10 63 8	322-11	Screw - Cap Hex. Hd.	17 16 2
2411-31	Boot - Rubber	19 39 16	322-13	Screw - Cap Hex. Hd.	17 15 2
2412-36	Clamp	1 26 3	322-16	Screw - Cap, Hex. Hd.	3 50 4
2412-37	Assembly - Clamp, Muffler	1 32 1	322-17	Screw - Cap, Hex. Hd.	3 36 1
2412-39	R-Clamp	1 3 2	323-3	Screw - Cap, Hex. Hd.	19 30 2
2412-41	Clamp	2 40 1	323-4	Screw - Cap, Hex. Hd.	23 12 1
2412-44	R-Clamp	4 58 1	323-5	Screw - Cap, Hex. Hd.	25 21 4
2412-73	Clamp	6 43 1	323-5	Screw - Cap, Hex. Hd.	26 20 4
2412-73	R-Clamp	9 4 1	323-6	Screw	9 28 3
2412-73	R-Clamp	1 27 1	323-6	Screw - Cap ,Hex. Hd.	3 48 2
2412-92	Clamp - Worm	8 17 2	323-6	Screw - Cap Hex. Hd.	16 11 4
2412-102	R-Clamp	7 75 2	323-6	Screw - Cap Hex. Hd.	18 8 1
2412-108	Clamp - Hose	3 1 3	323-6	Screw - Cap, Hex Hd.	1 14 3
251-8	Bearing - Ball	5 35 1	323-6	Screw - Cap, Hex. Hd.	1 4 2
251-165	Bearing - w/Collar	15 30 2	323-6	Screw - Cap, Hex. Hd.	19 34 4
251-166	Flange - Bearing	15 29 4	323-7	Screw - Cap Hex. Hd.	4 62 2
251-253	Bearing - w/Collar	24 14 2	323-7	Screw - Cap Hex. Hd.	27 2 4
251-254	Bearing	24 24 2	323-7	Screw - Cap Hex. Hd.	29 8 6
251-255	Flange	24 15 8	323-7	Screw - Cap, Hex Hd.	1 16 1
251-259	Bearing	3 35 1	323-7	Screw - Cap, Hex. Hd.	23 18 1
252-82	Bearing - Needle	5 9 2	323-7	Screw - Cap, Hex. Hd.	24 28 2
252-87	Bearing - Needle	5 22 1	323-7	Screw - Cap, Hex. Hd.	26 11 4
253-44	Seal - Lip	5 23 1	323-8	Screw - Cap, Hex. Hd.	4 59 2
254-61	Cup - Bearing	15 5 2	323-9	Screw - Cap Hex. Hd.	30 4 4
254-70	Bearing - Cone & Seal	15 4 2	323-10	Screw - Cap Hex. Hd.	18 4 1
256-10	Bushing	25 6 2	323-10	Screw - Cap, Hex. Hd.	24 7 4
256-116	Bushing	2 45 2	323-11	Screw - Cap Hex. Hd.	9 44 1
256-155	Bushing	2 51 2	323-11	Screw - Cap, Hex Hd.	5 46 4
256-156	Bushing	23 21 2	323-12	Screw - Cap ,Hex. Hd.	9 42 2
256-185	Bushing	1 5 1	323-14	Screw - Cap Hex. Hd.	28 3 2
256-234	Bushing	16 13 2	323-14	Screw - Cap, Hex. Hd.	24 6 4
256-234	Bushing	19 36 2	323-15	Screw - Cap Hex. Hd.	29 4 2
256-234	Bushing	27 3 2	323-16	Screw - Cap Hex. Hd.	17 3 4
256-237	Bushing	26 26 4	323-29	Screw - Cap, Hex. Hd.	22 11 4
256-245	Bushing	25 3 2	323-51	Bolt - Plow	16 8 8
256-317	Bushing	18 12 1	325-2	Screw - Cap, Hex. Hd.	23 17 1
257-11	Washer - Thrust	17 18 4	325-4	Screw - Cap, Hex. Hd.	23 25 1

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Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
325-5	Screw - Cap, Hex. Hd.	19 31 4	3253-17	Washer - Lock	6 40 1
325-5	Screw - Cap, Hex. Hd.	23 4 1	3253-21	Washer - Lock	10 93 2
325-6	Screw - Cap Hex. Hd.	17 9 4	3253-21	Washer - Lock	15 27 4
325-7	Screw - Cap Hex. Hd.	4 66 1	3253-21	Washer - Lock	19 15 14
325-8	Screw - Cap, Hex. Hd.	3 41 1	3253-21	Washer - Lock	22 9 4
325-8	Screw - Cap, Hex. Hd.	25 22 1	3253-21	Washer - Lock	23 16 2
325-10	Screw - Cap, Hex. Hd.	9 57 8	3253-21	Washer - Lock	24 8 6
325-15	Screw - Cap Hex. Hd.	16 1 2	3253-21	Washer - Lock	25 20 4
3210-7	Screw - Cap, Hex. Hd.	3 34 1	3253-21	Washer - Lock	26 3 12
3217-5	Nut - Hex.	19 22 24	3253-29	Washer - Lock	20 3 40
3217-6	Nut - Hex	3 11 2	3253-29	Washer - Lock	29 16 54
3217-6	Nut - Hex	19 12 18	3254-1	Washer - Lock	6 7 2
3217-6	Nut - Hex.	24 11 8	3254-1	Washer - Lock,	6 27 1
3217-7	Nut	29 15 54	3254-6	Washer - Lock	6 14 1
3217-7	Nut	27 8 2	3254-9	Washer - Lock, Int. Tooth	3 18 2
3217-7	Nut - Hex	4 56 2	3255-7	Washer - Lock	7 78 1
3217-7	Nut - Hex	9 46 1	3256-3	Washer - Flat	27 6 4
3217-7	Nut - Hex	10 94 1	3256-3	Washer - Flat	28 4 2
3217-7	Nut - Hex	15 26 4	3256-3	Washer - Flat	29 3 2
3217-7	Nut - Hex.	19 16 12	3256-7	Washer - Flat	23 2 1
3217-7	Nut - Hex.	20 2 40	3256-14	Washer - Flat	7 68 3
3217-7	Nut - Hex.	22 10 4	3256-14	Washer - Flat	10 91 6
3217-7	Nut - Hex.	23 19 1	3256-21	Washer - Flat	6 9 2
3217-7	Nut - Hex.	26 4 12	3256-22	Washer - Flat	6 2 6
3217-9	Nut - Hex	3 15 2	3256-22	Washer - Flat	15 12 2
3217-9	Nut - Hex	9 52 4	3256-22	Washer - Flat	19 26 8
3217-9	Nut - Hex.	25 8 4	3256-23	Washer - Flat	2 41 3
3217-9	Nut - Hex.	30 16 2	3256-23	Washer - Flat	3 52 4
3217-11	Nut - Hex.	26 25 6	3256-23	Washer - Flat	7 73 2
3217-16	Nut - Hex	3 17 2	3256-23	Washer - Flat	19 7 42
3217-26	Nut - Hex	6 28 1	3256-24	Washer - Flat	1 31 2
3218-2	Nut - Hex. Jam	17 20 2	3256-24	Washer - Flat	24 9 12
3218-2	Nut - Jam	9 14 1	3256-24	Washer - Flat	26 17 8
3218-3	Nut - Hex. Jam	18 5 1	3256-25	Washer - Flat	3 26 1
3218-13	Nut - Hex	6 37 4	3256-25	Washer - Flat	10 89 3
3219-2	Nut - Hex	3 22 1	3256-26	Washer	30 19 2
3219-3	Nut - Hex	6 16 1	3256-26	Washer - Flat	18 22 1
3219-14	Nut - Hex	7 66 10	3256-26	Washer - Flat	19 33 4
3220-4	Nut - Jam	2 43 2	3256-26	Washer - Flat	23 6 2
3230-1	Bolt - Carriage	24 13 8	3256-26	Washer - Flat	25 19 2
3230-2	Bolt - Carriage	17 23 8	3256-26	Washer - Flat	27 14 4
3230-4	Bolt - Carriage	17 12 4	3256-69	Washer - Flat	18 14 2
3231-2	Bolt - Carriage	15 31 4	3257-32	Key - Woodruff	3 47 1
3231-2	Bolt - Carriage	30 11 10	3257-32	Key - Woodruff	5 7 1
3231-21	Bolt - Carriage	29 9 20	3257-42	Key - Woodruff	9 58 2
3234-8	Screw - Flange Head	29 6 2	3257-42	Key - Woodruff	12 17 1
3241-5	Screw - Set, Sq. Hd.	4 54 4	3257-42	Key - Woodruff	11 17 1
3246-1	Screw - Set	26 23 2	3258-19	Screw - Mach. Rd. Hd.	8 13 2
3249-11	Screw - Mach. Rd. Hd.	3 38 2	3272-2	Pin - Cotter	23 8 1
3250-36	Screw	1 24 4	3272-4	Pin - Cotter	2 46 1
3250-36	Screw	9 25 4	3272-4	Pin - Cotter	9 37 3
3253-3	Washer - Lock	9 10 2	3272-7	Pin - Cotter	23 22 1
3253-3	Washer - Lock	19 23 24	3272-7	Pin - Cotter	25 15 2
3253-4	Washer - Lock	3 10 2	3272-10	Pin - Cotter	19 6 28
3253-4	Washer - Lock	6 38 6	3272-11	Pin - Cotter	26 13 3
3253-4	Washer - Lock	19 11 18	3272-12	Pin - Cotter	18 21 1
3253-4	Washer - Lock	24 12 8	3272-12	Pin - Cotter	27 13 2
3253-5	Washer - Lock	3 49 6	3272-12	Pin - Cotter	30 21 2
3253-7	Washer - Lock	3 16 2	3272-13	Pin - Cotter	25 5 2
3253-7	Washer - Lock	16 2 2	3272-16	Pin - Cotter	3 25 1
3253-7	Washer - Lock	17 8 4	3272-18	Pin - Cotter	30 6 4
3253-7	Washer - Lock	19 32 4	3272-23	Pin - Cotter	9 49 3
3253-7	Washer - Lock	23 5 3	3272-37	Pin - Cotter	15 1 1
3253-7	Washer - Lock	9 53 8	3290-54	Rivet - Pop	15 7 2

* Not Illustrated

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Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
3290-134	Screw - Mach. Hex. Hd.	9 43 6	32104-76	Screw - Self Tapping	7 69 3
3290-250	Pin - Hair, Cotter	22 6 1	32105-2	Screw - Mach. Hex. Hd.	6 19 2
3290-250	Pin - Hair, Cotter	23 10 1	32107-11	Nut - Square	8 14 2
3290-256	Pin - Hair, Cotter	9 51 1	32108-39	Screw - Flat Hd.	26 1 4
3290-256	Pin - Hair, Cotter	23 11 2	32115-11	Retainer - Nut, Tinnerman	15 10 2
3290-355	Pin - Hair, Cotter	17 4 2	32120-11	Ring - Retaining	5 36 1
3290-355	Pin - Hair, Cotter	26 12 2	32120-15	Ring - Retaining	5 34 1
3290-357	Nut - Flange	2 52 2	32121-6	Pin - Roll, Slotted	7 64 1
3290-378	Cable Tie	7 * 3	32121-10	Pin - Roll, Slotted	6 22 1
3290-378	Tie - Cable	10 100 2	32121-16	Pin - Roll	3 39 1
3290-495	Pin - Klix	17 10 2	32121-16	Pin - Roll, Slotted	6 45 1
3296-4	Nut - Lock	7 60 2	32121-24	Pin - Roll	3 27 1
3296-5	Nut - Lock	19 1 16	32121-84	Pin - Roll, Slotted	6 29 1
3296-12	Nut - Lock	6 26 2	32121-91	Pin - Spring, Coiled	5 38 3
3296-12	Nut - Lock	10 90 6	32122-35	Screw - Machine Screw	22 3 1
3296-16	Nut - Lock	6 3 4	32122-54	Screw - Truss Head	18 16 2
3296-23	Nut - Lock	18 1 1	32128-20	Nut - Lock, Flange Hd.	8 19 4
3296-25	Nut - Lock	25 17 1	32128-21	Nut - Flange Head	28 5 2
3296-29	Nut - Lock	1 13 4	32128-21	Nut - Flange Head	29 1 30
3296-29	Nut - Lock	3 33 5	32136-3	Nut - Slotted	25 14 2
3296-29	Nut - Lock	6 32 10	32136-9	Nut - Hex., Slotted	15 2 1
3296-29	Nut - Lock	17 13 18	32144-11	Screw - Self Tapping	6 13 2
3296-29	Nut - Lock	22 2 1	32151-44	Retaining - Ring	24 16 2
3296-33	Nut - Lock	23 1 1	32151-46	Ring - Retaining	5 13 2
3296-39	Nut - Lock	1 22 3	32152-2	Nut - Lock	16 6 8
3296-39	Nut - Lock	9 20 3	32152-10	Nut	13 4 1
3296-39	Nut - Lock	16 5 4	353-212	Fitting - 45°	9 40 2
3296-39	Nut - Lock	18 11 5	353-370	Elbow - 90° Adj.	3 42 1
3296-39	Nut - Lock	24 2 4	353-370	Fitting - 90°	9 7 1
3296-39	Nut - Lock	27 5 6	353-372	Fitting - 90°	1 2 2
3296-39	Nut - Lock	30 3 16	353-374	Elbow - 90° Adj.	3 45 1
3296-42	Nut - Lock	1 28 1	353-379	Fitting - 45°	9 32 1
3296-42	Nut - Lock	3 19 2	353-424	"T" Fitting	10 76 2
3296-42	Nut - Lock	9 5 6	353-426	Fitting 90°	9 54 4
3296-44	Nut - Lock	1 15 4	353-431	Fitting - 45° JIC	10 102 1
3296-44	Nut - Lock	17 25 4	353-506	Fitting - Adapter, Male	9 35 1
3296-59	Nut - Lock	1 17 1	353-511	Elbow - 90° Adj.	3 46 1
3296-59	Nut - Lock	9 45 1	353-511	Fitting - 90°	9 18 1
32103-12	Wing - Nut	6 47 2	353-535	Fitting - 45°	9 33 1
32104-42	Screw - Self Tapping	6 42 2	353-877	Fitting - Swivel	9 38 1
32104-76	Screw - Self Tapping	1 6 2	354-132	Fitting - 90°	9 47 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 2000 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 2000, 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 2000.
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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