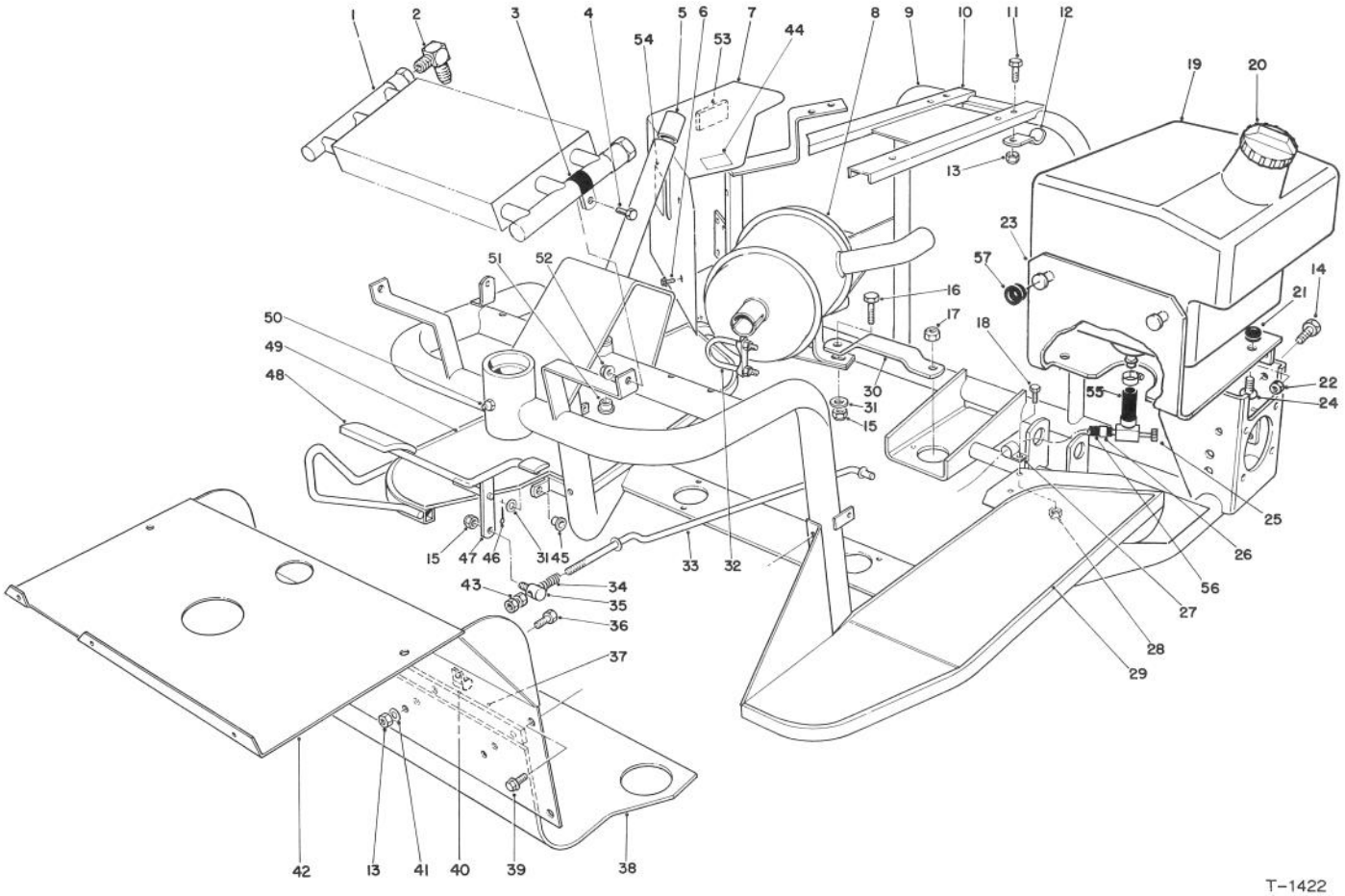
FORM NO. 3314-836

TORO®

MODEL NO. 08882-20001 & UP

PARTS CATALOG

SAND PRO® 2000



T-1422

FRAME ASSEMBLY

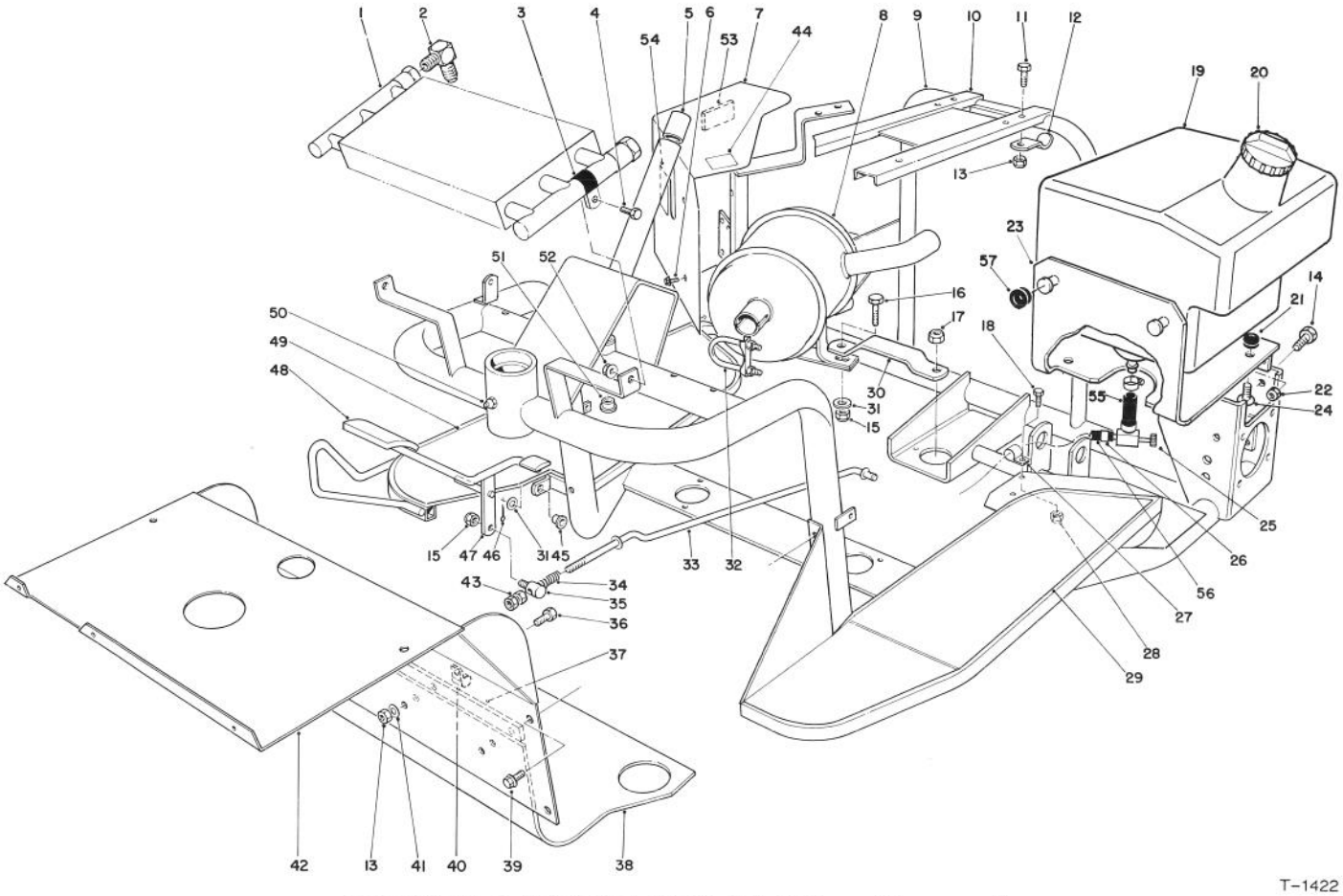
Ref. No.	Part No.	Description	No. Used
1	24-0760	Cooler - Oil	1
2	353-372	Fitting - 90°	2
3	2412-39	R-Clamp	2
4	323-6	Screw - Cap, Hex. Hd.	2
5	256-185	Bushing	1
6	32104-76	Screw - Self Tapping	2
7	84-8170	Shroud - Valve	1
8	51-0700	Muffler	1
*	51-0990	Spark Arrestor - Muffler	1
9	84-7840	Frame (Incl. 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

TPS

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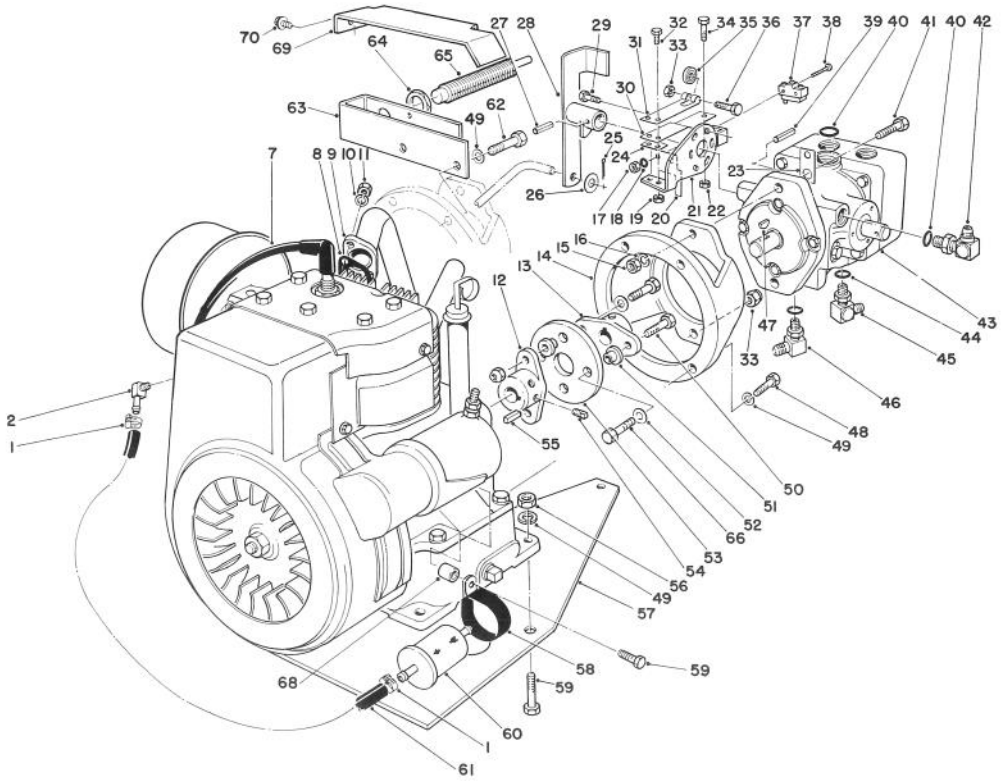


T-1422

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

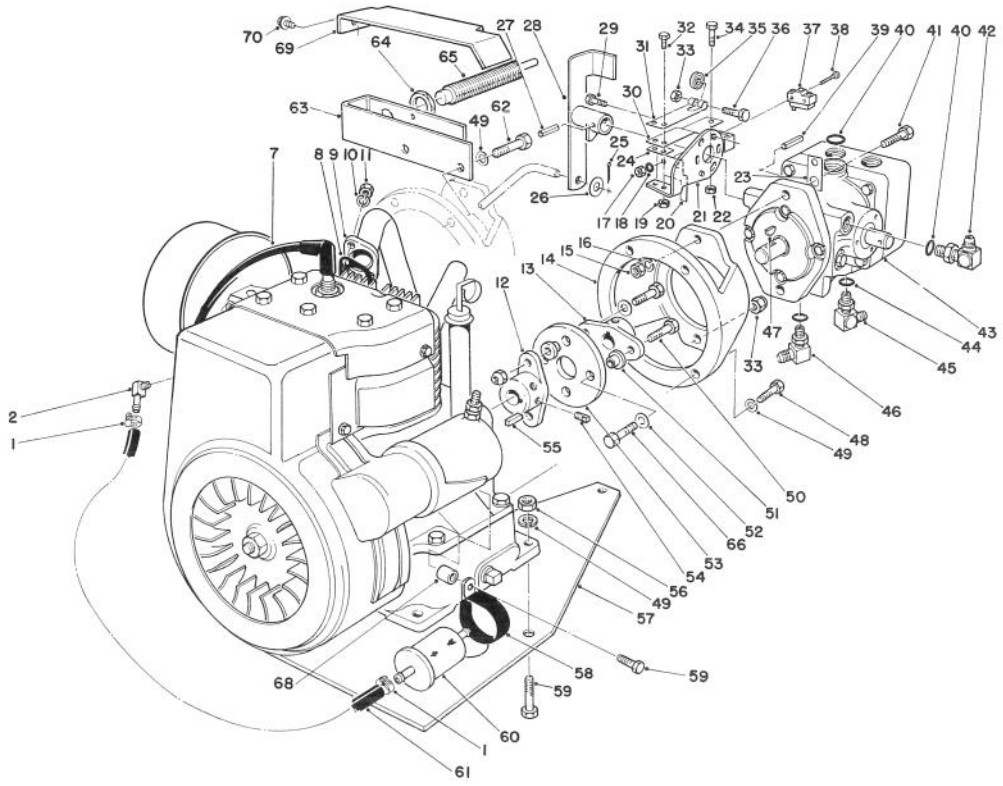


T-1423

ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	2412-108	Clamp - Hose	3
2	46-3710	Fitting	
6	51-0670	Hose - Fuel Line	1
7	84-8060	Engine - Kohler (M12S Type 55709)	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
26	3256-25	Washer - Flat	1
27	32121-24	Pin - Roll	1
28	86-5000	Pump - Lever, W.A.	1

Ref. No.	Part No.	Description	No. Used
29	11-9760	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	325-8	Screw - Cap, Hex. Hd.	1
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.	2
49	3253-5	Washer - Lock	6
50	322-16	Screw - Cap, Hex. Hd.	4
51	27-6600	Spacer - Coupling, Rubber	4
52	3256-23	Washer - Flat	4

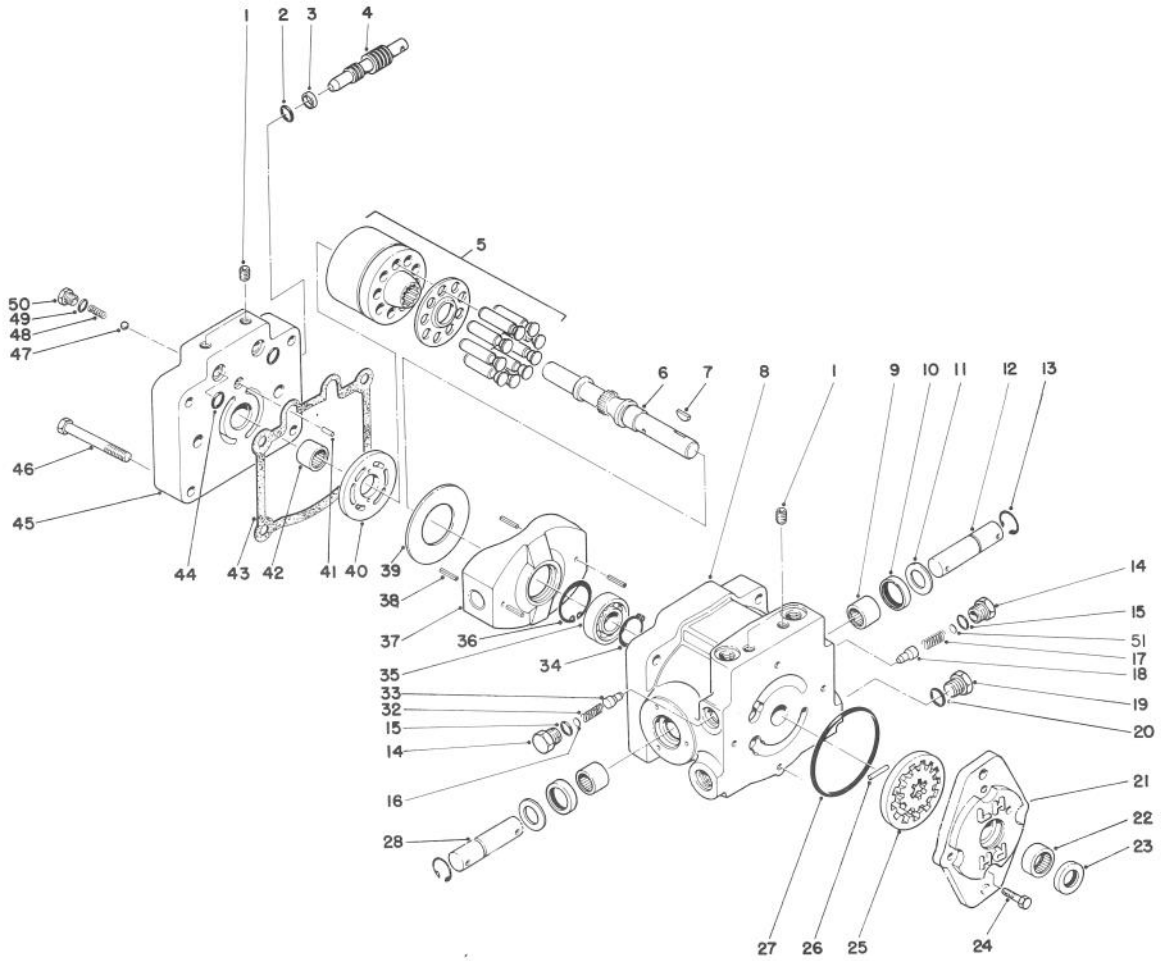


T-1423

ENGINE ASSEMBLY (Continued)

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

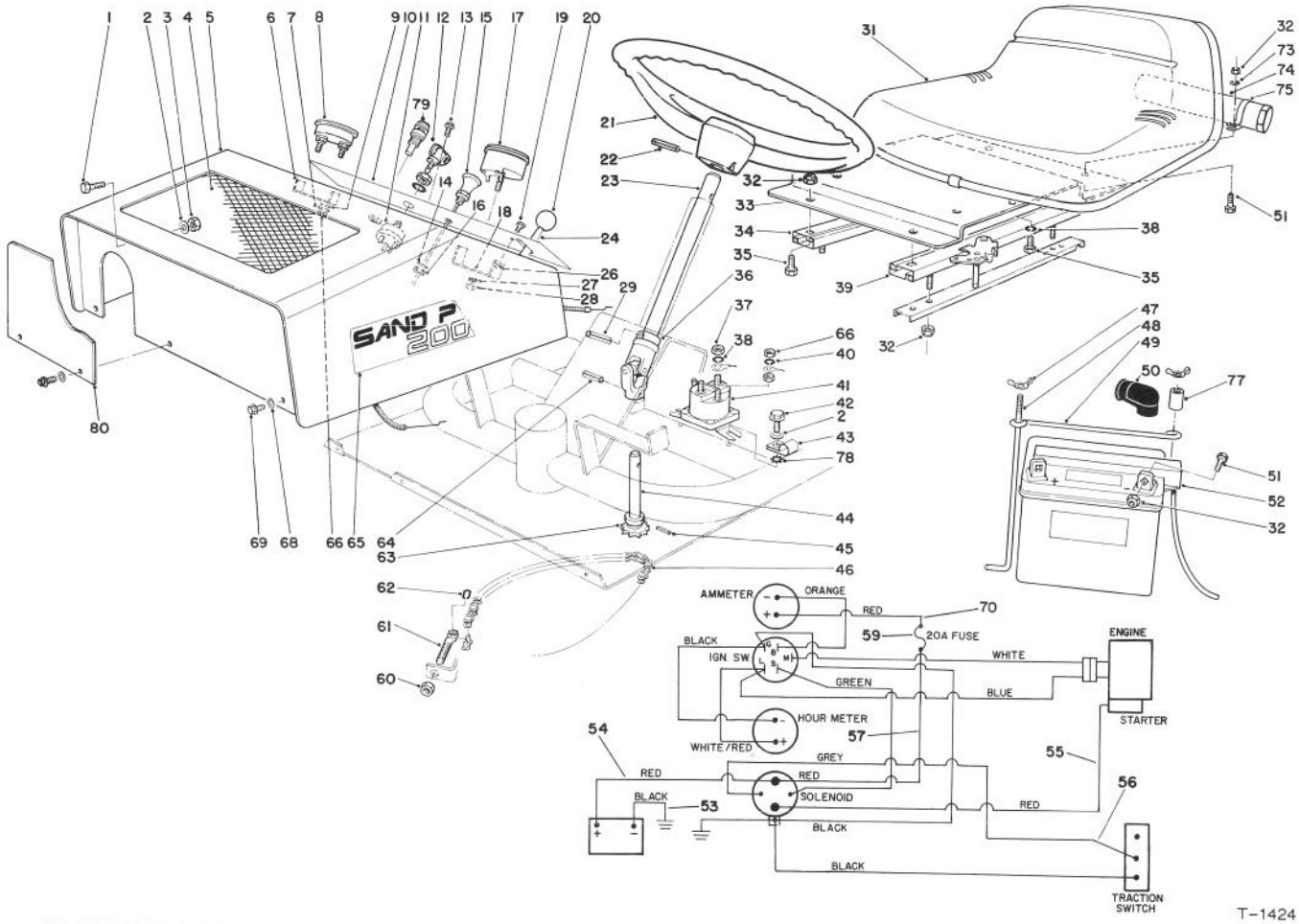


PUMP ASSEMBLY NO. 53-9360

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

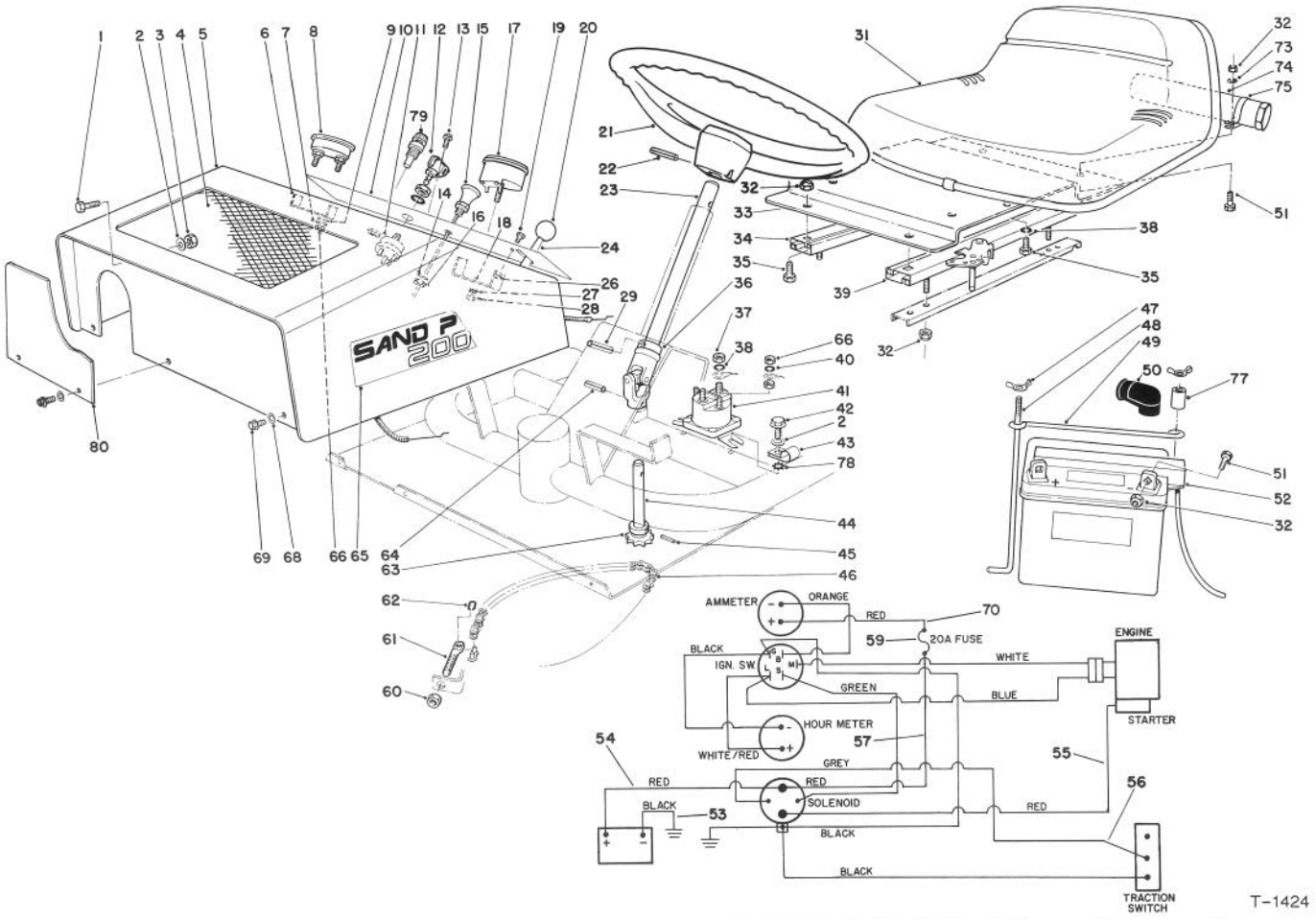
*Not Illustrated



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

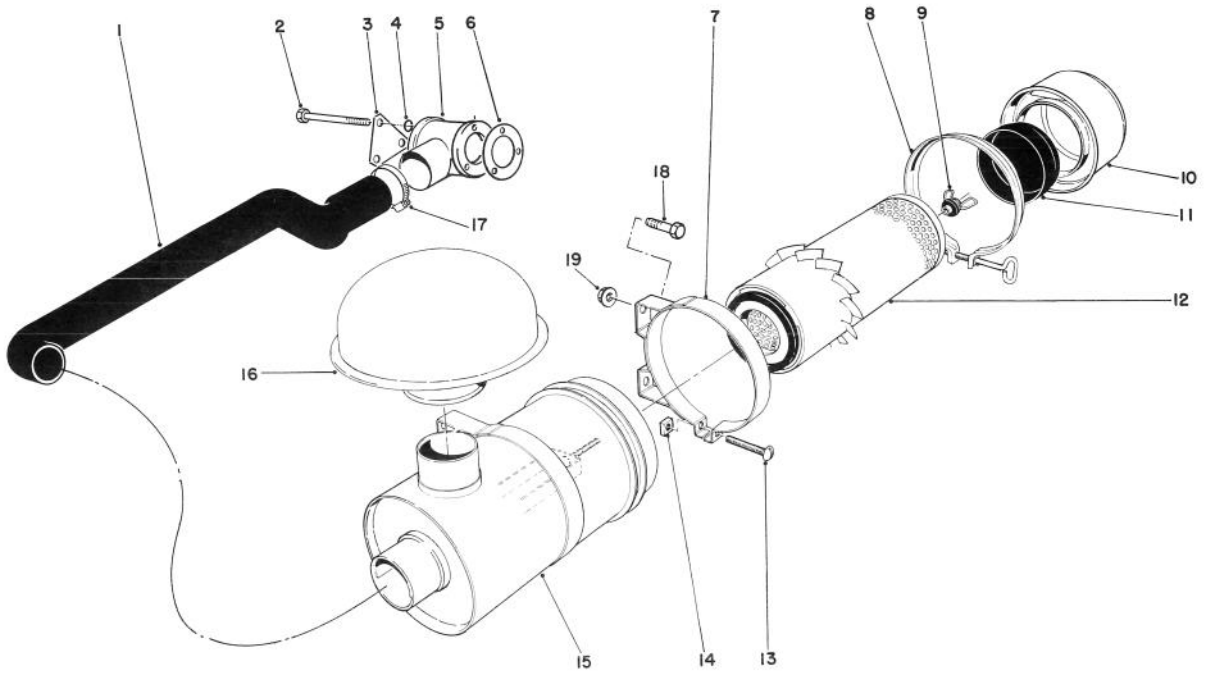


INSTRUMENT PANEL & WIRING DIAGRAM (Continued)

Ref. No.	Part No.	Description	No. Used
52	82-4640	Battery - 12 Volt	1
53	86-7460	Wire (Battery to Ground)	1
54	84-7870	Wire (Solenoid to Battery)	1
55	86-7440	Wire (Solenoid to Starter)	1
56	86-5090	Wire Harness	1
†59	218-598	Fuse 20 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
64	32121-6	Pin - Roll, Slotted	1
65	84-8010	Decal - Sand Pro 2000	2
*	86-1500	Decal - Infield Pro 2000 (For Service Only)	2

Ref. No.	Part No.	Description	No. Used
66	3219-14	Nut - Hex	10
68	3256-14	Washer - Flat	3
69	32104-76	Screw - Self Tapping	3
73	3256-23	Washer - Flat	2
74	74-0720	Tube - Manual	1
75	2412-102	R-Clamp	2
77	80-2030	Spacer	1
78	3255-7	Washer - Lock	1
79	218-489	Holder - Fuse	1
80	84-7980	Panel - Dash	1
*	3290-378	Cable Tie	3

*Not Illustrated
†Obtain Locally



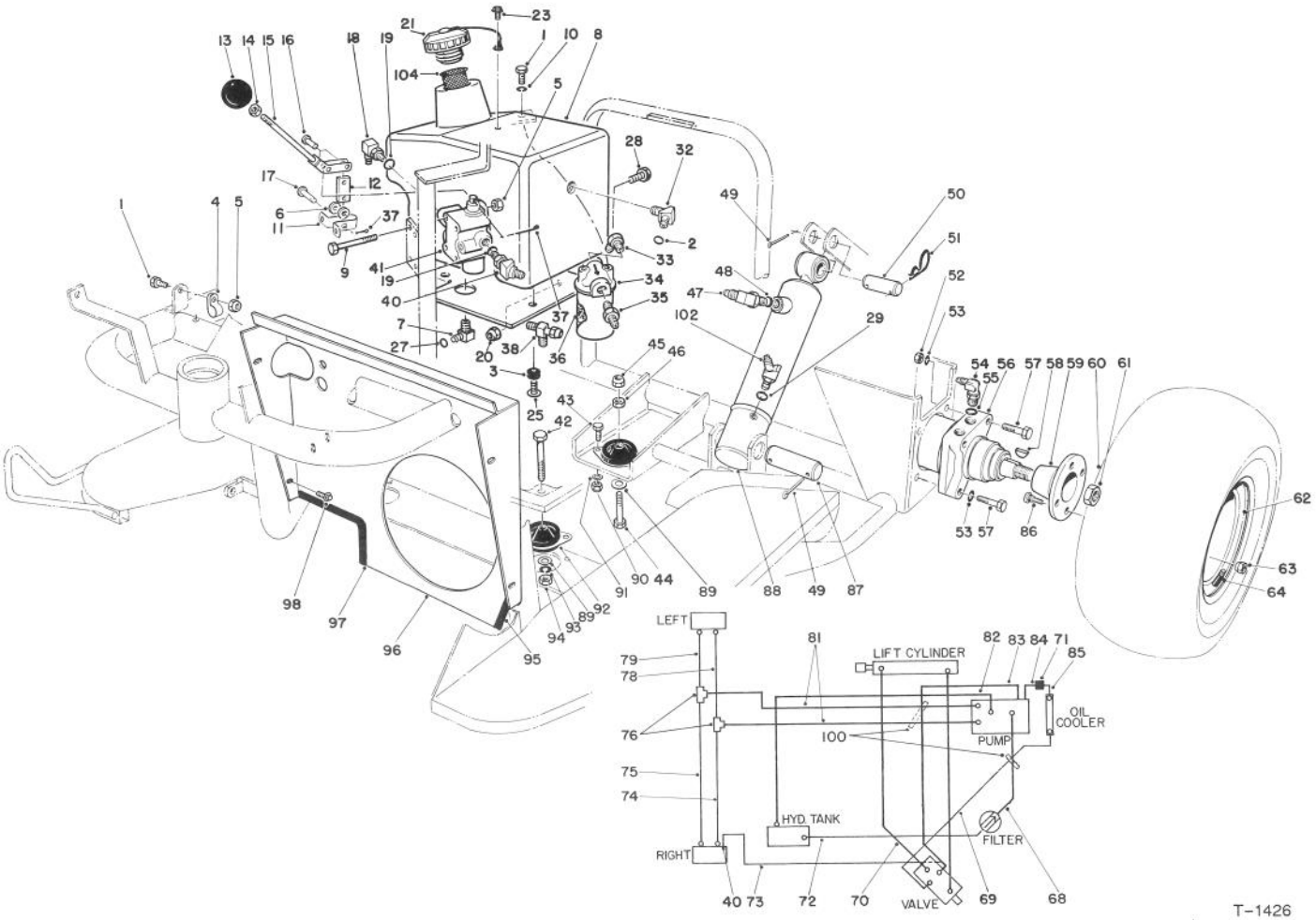
T-1425

KIT – AIR CLEANER 86–4900

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

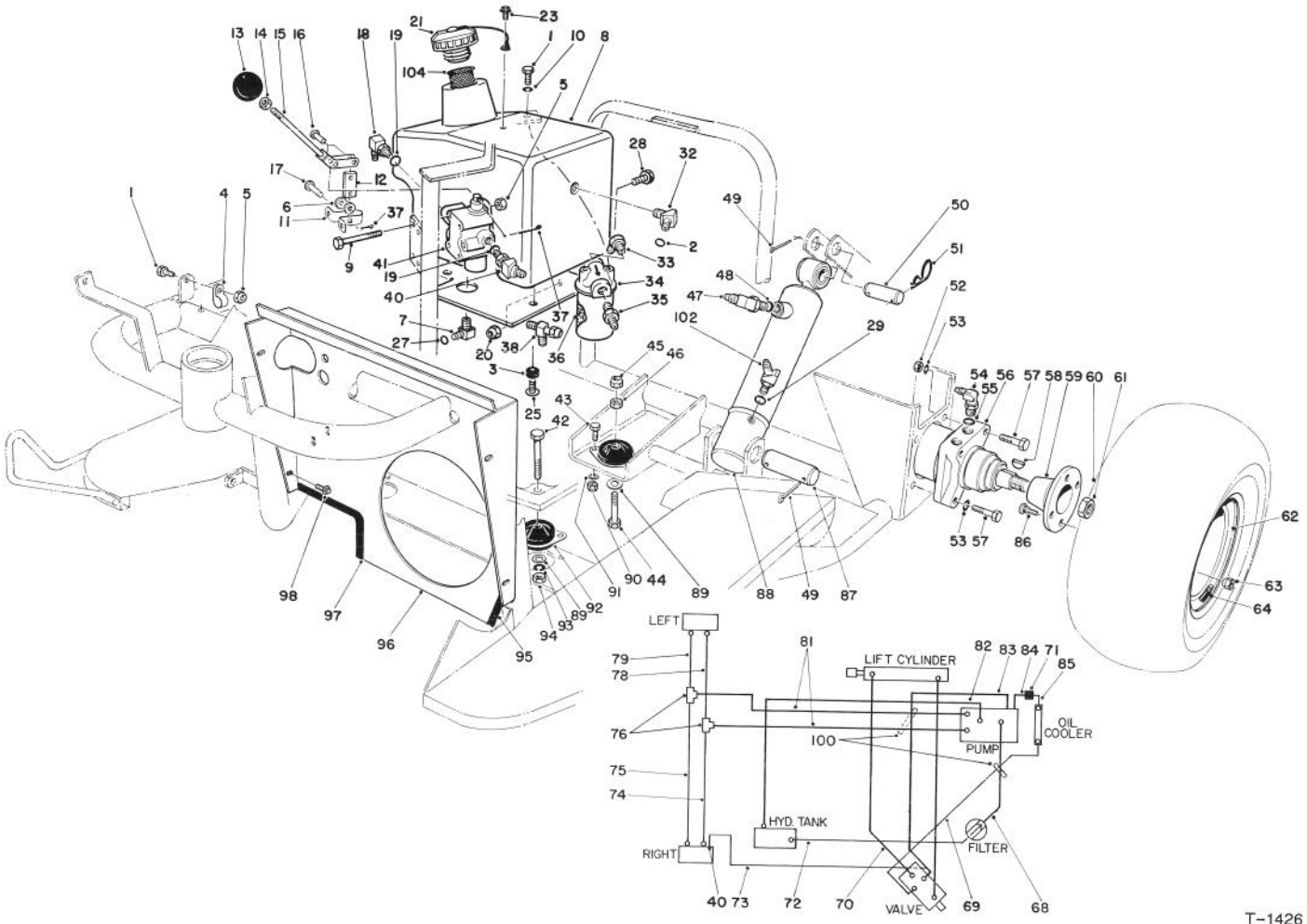
†Obtain from your local Kohler Dealer



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
*	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

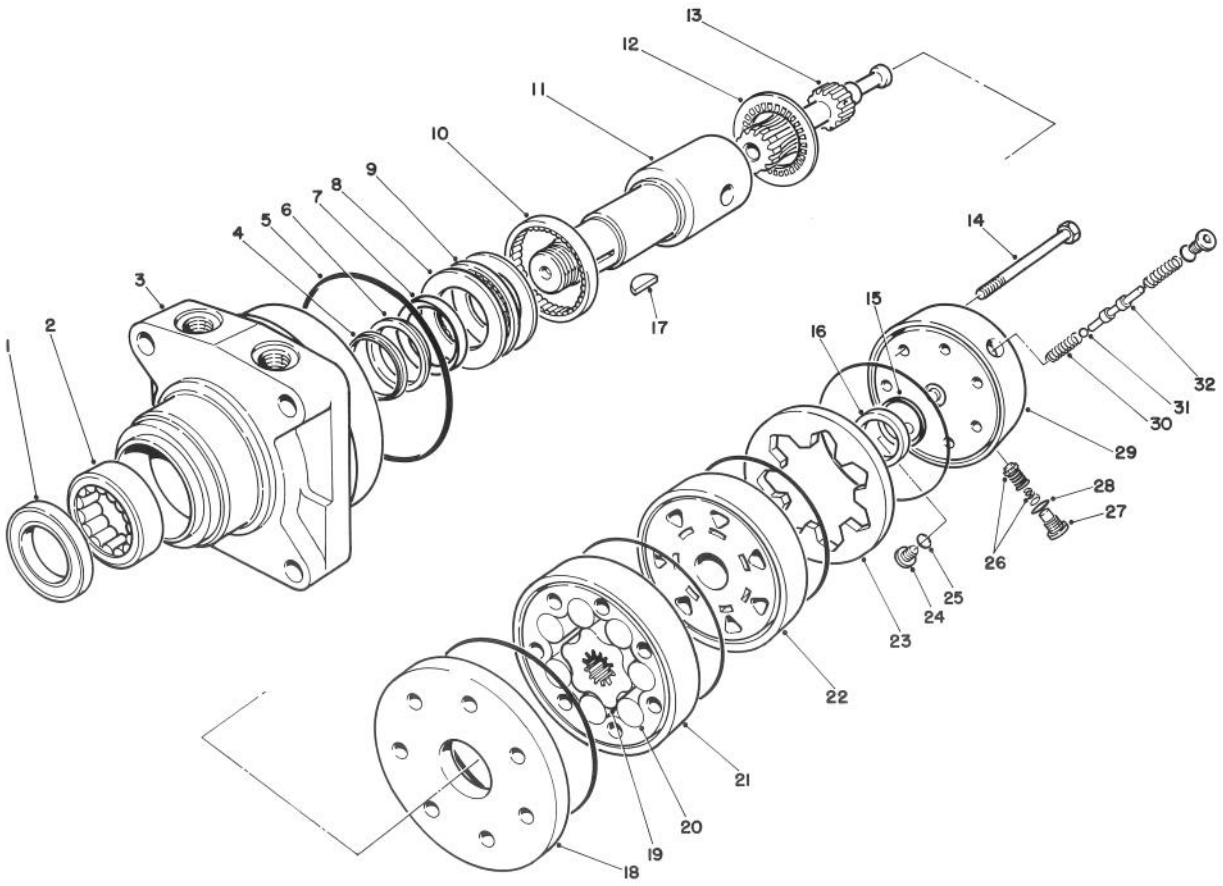


HYDRAULIC TANK AND SYSTEMS DIAGRAM (Continued)

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



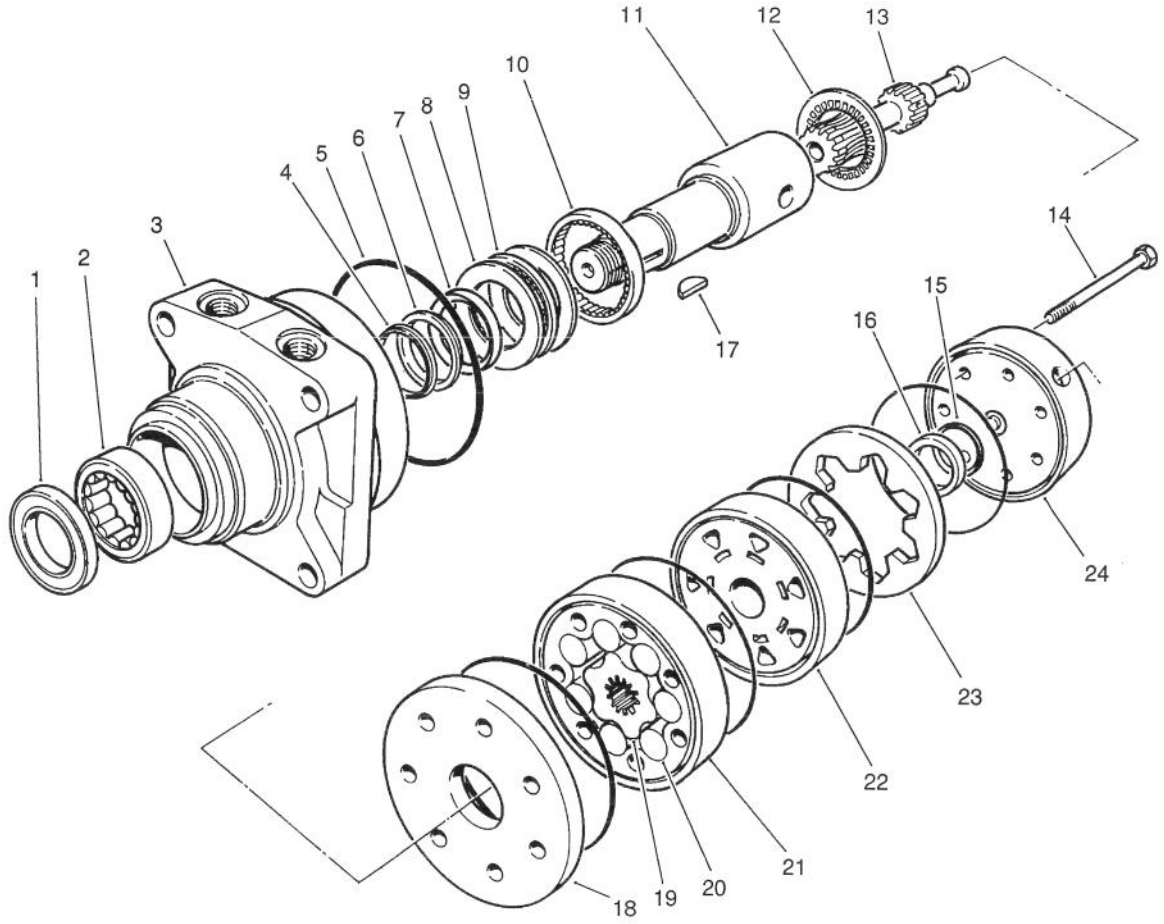
T-0982

HYDRAULIC DRIVE MOTOR RIGHT REAR NO. 75-9840

Ref. No.	Part No.	Description	No. Used
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

Ref. No.	Part No.	Description	No. Used
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



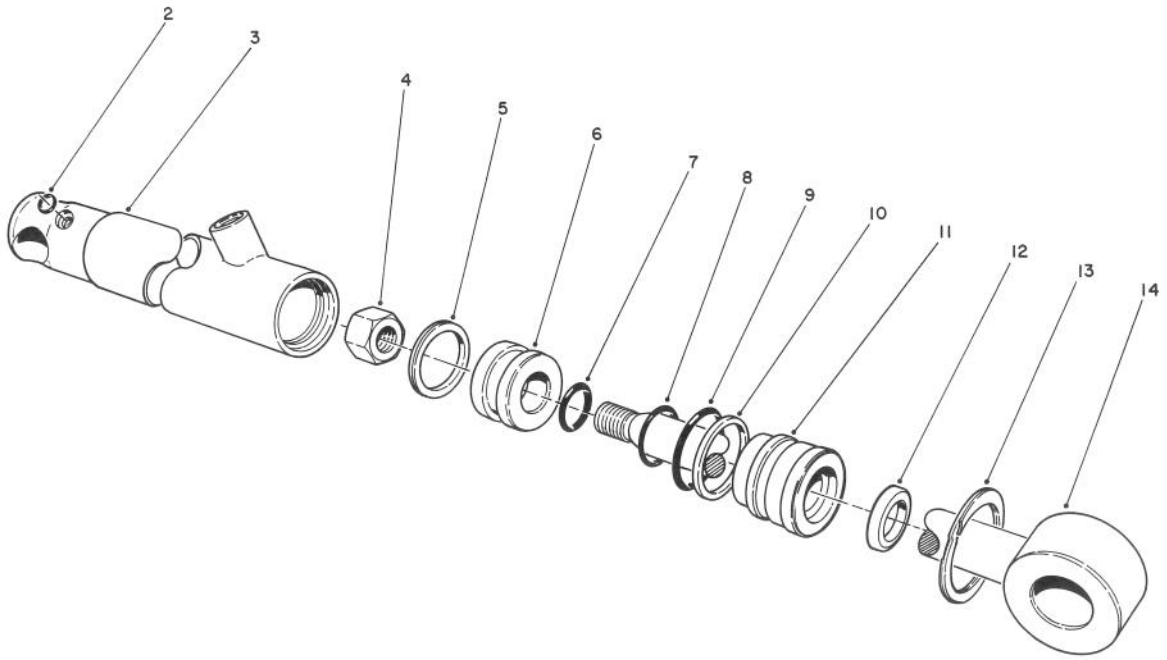
T-0983

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

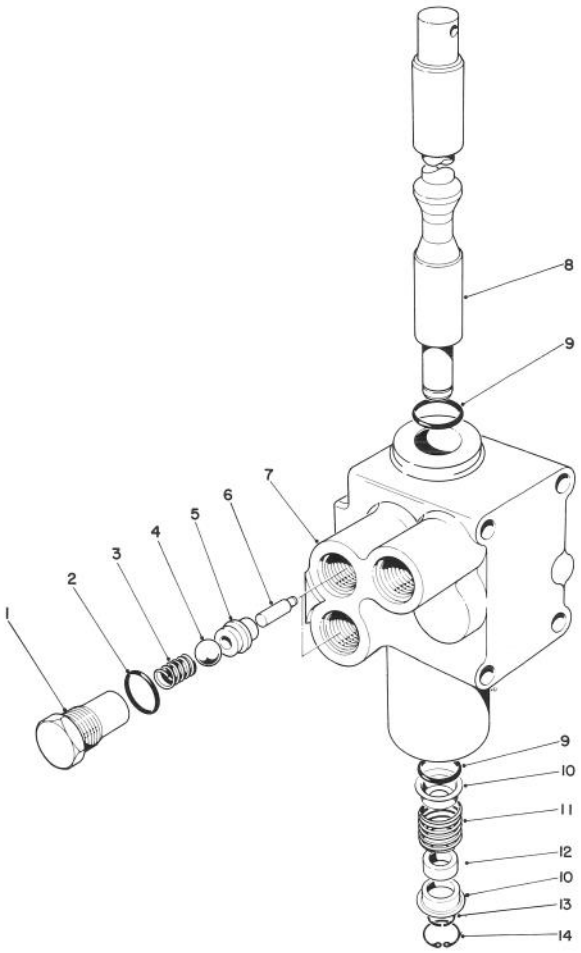


T-0217

HYDRAULIC CYLINDER NO. 68-9700

Ref. No.	Part No.	Description	No. Used
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
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

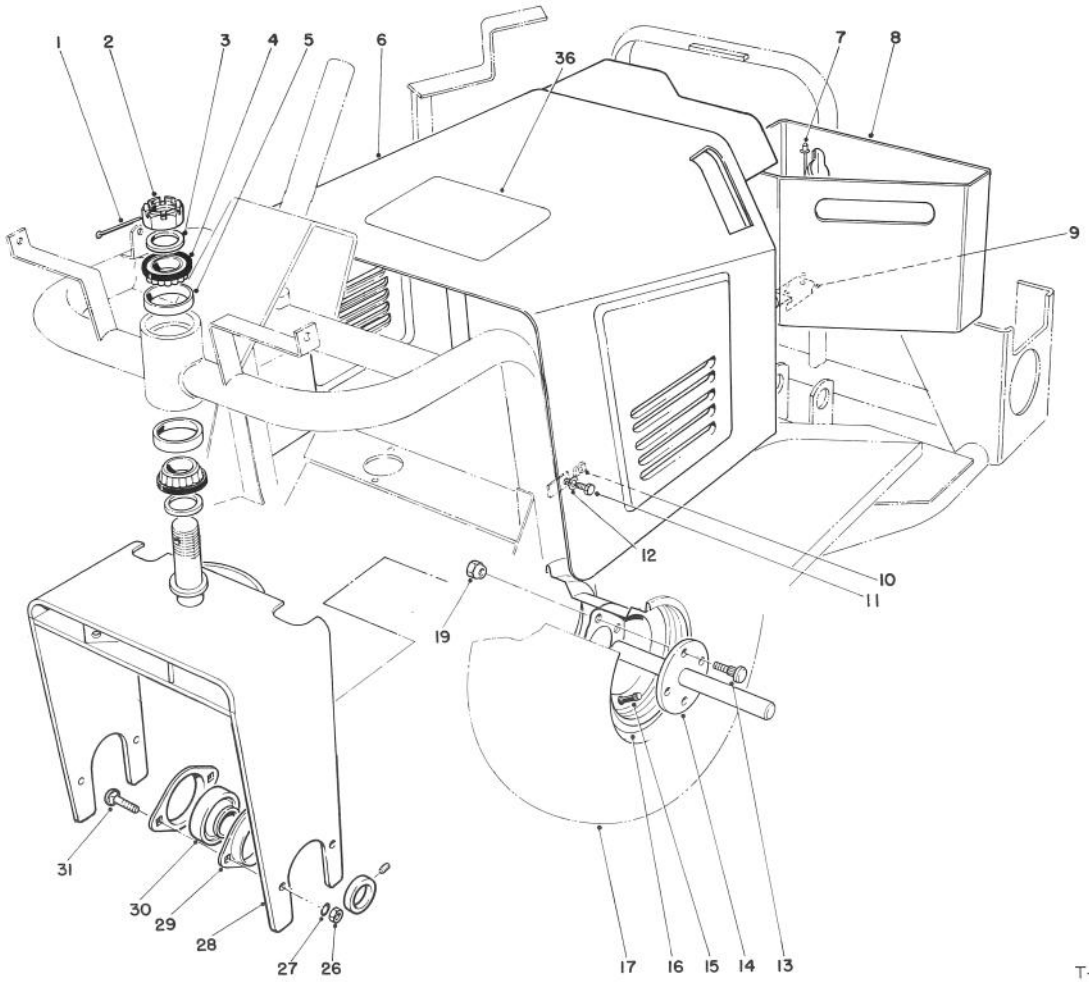


T-0236

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



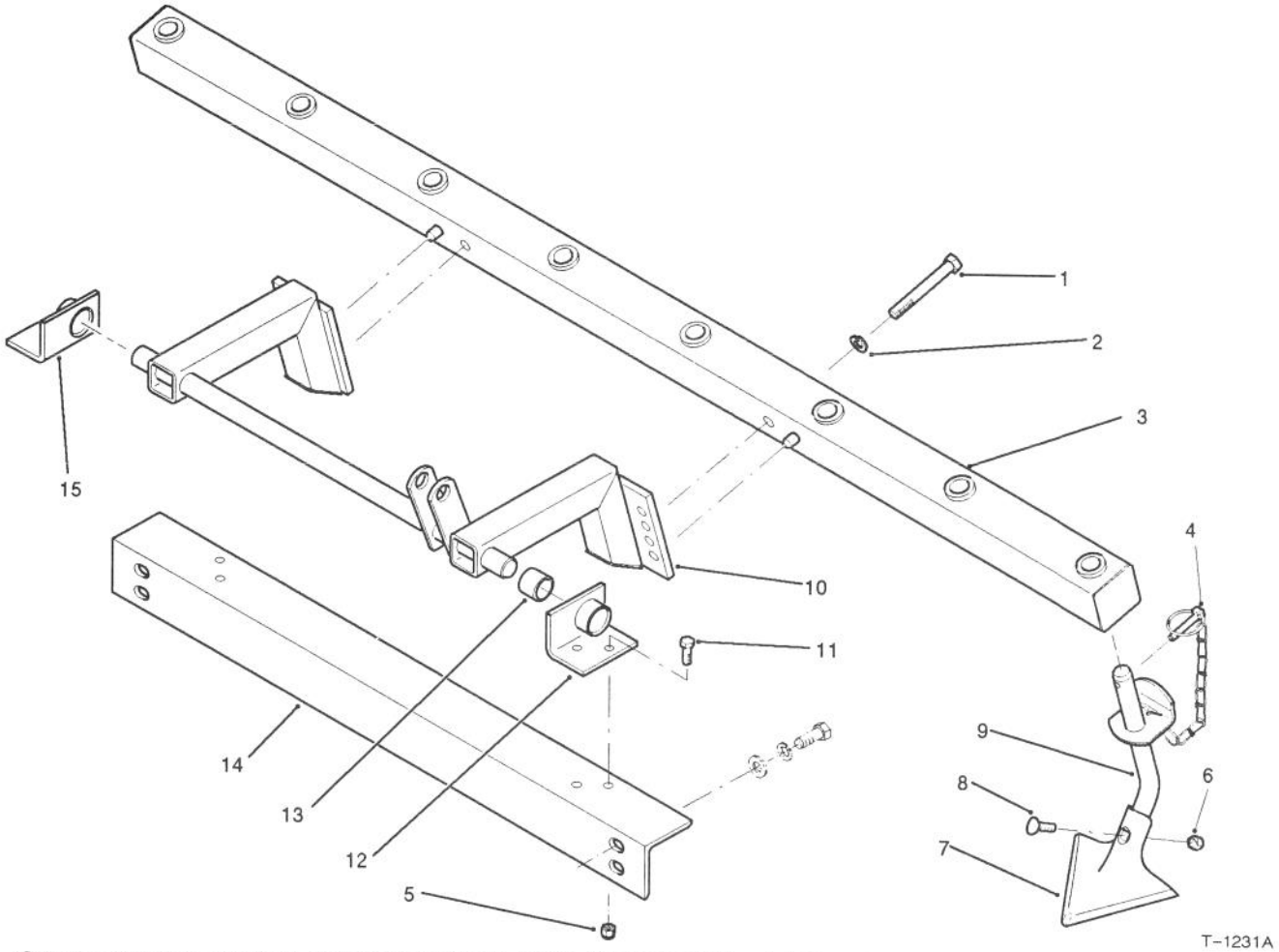
T-1427

FRONT STEERING FORK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3272-37	Pin - Cotter	1
2	32136-9	Nut - Hex., Slotted	1
3	18-6320	Washer - Steering	2
4	254-70	Bearing - Cone & Seal	2
5	254-61	Cup - Bearing	2
6	85-6680	Shield - Engine	1
7	3290-54	Rivet - Pop	2
8	86-7640	Box - Litter (Incl. Ref. #7 & 9)	1
9	44-2520	Clip - Spring	1
10	32115-11	Retainer - Nut, Tinnerman	2
11	321-5	Screw - Cap, Hex. Hd.	2
12	3256-22	Washer - Flat	2
13	10-6830	Stud - Drive Type	4

Ref. No.	Part No.	Description	No. Used
14	84-7940	Shaft - Axle	1
15	232-35	Stem - Valve	1
16	46-4810	Rim	1
17	28-1070	Tire	1
19	242-50	Nut - Lug	4
26	3217-7	Nut - Hex	4
27	3253-21	Washer - Lock	4
28	84-7910	Fork	1
29	251-166	Flange - Bearing	4
30	251-165	Bearing - w/Collar	2
31	3231-2	Bolt - Carriage	4
36	86-4940	Decal - Operating	1
*	232-37	Tube - Inner, Tire	1

*Not Illustrated



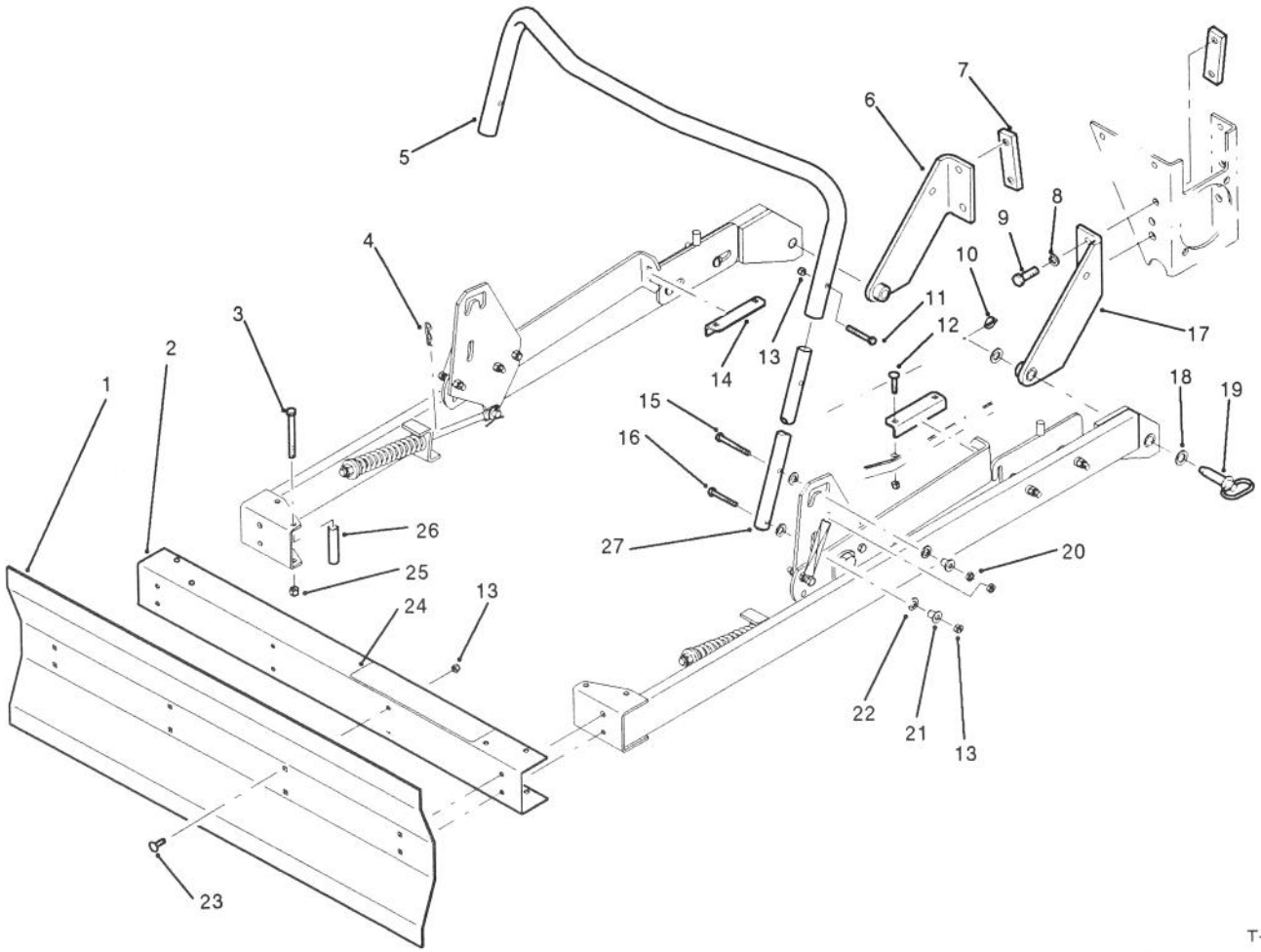
T-1231A

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

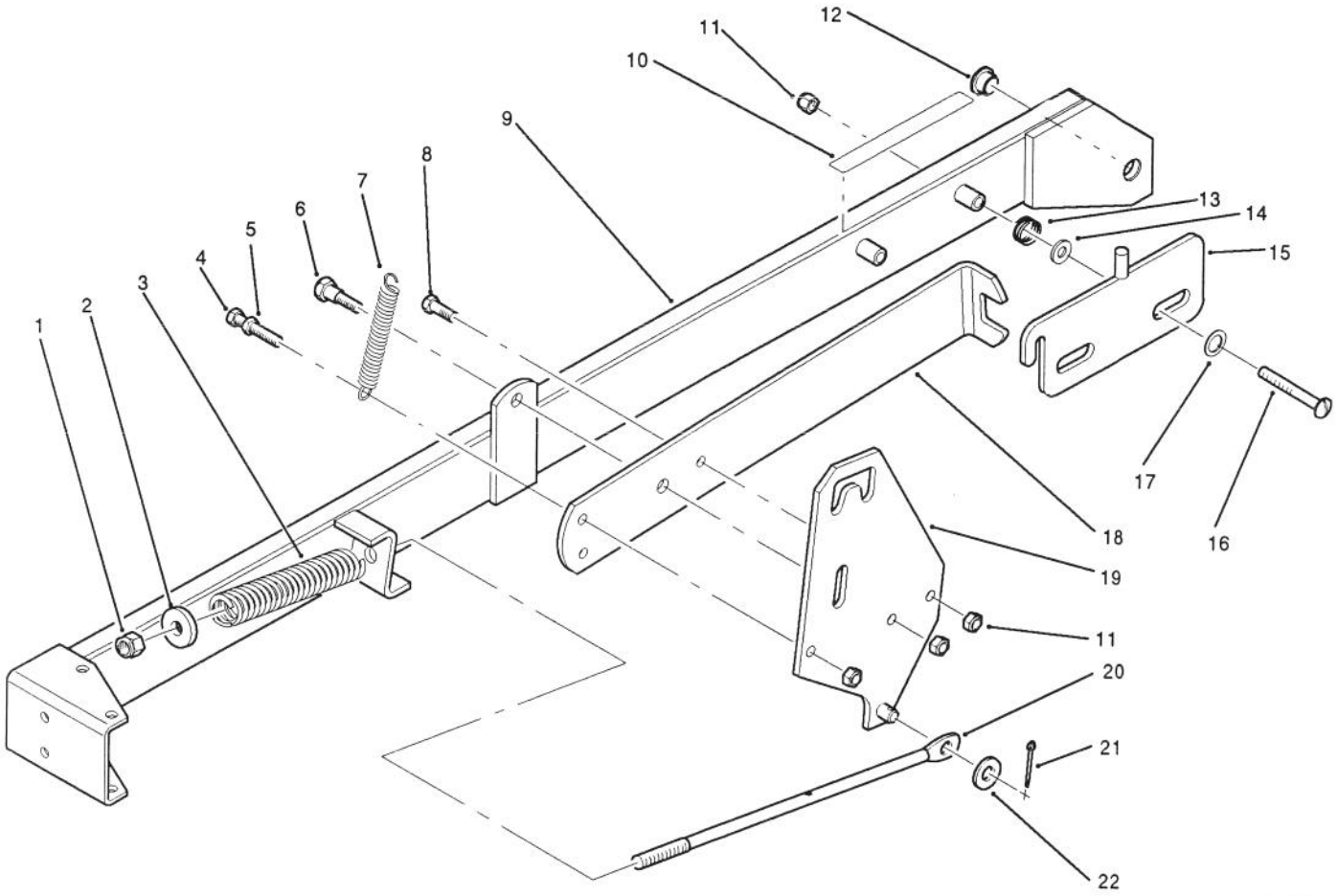
*Frame reinforcement kit (80-1940) is required if used on Sand Pro Model No. 08880-01226 and prior.



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



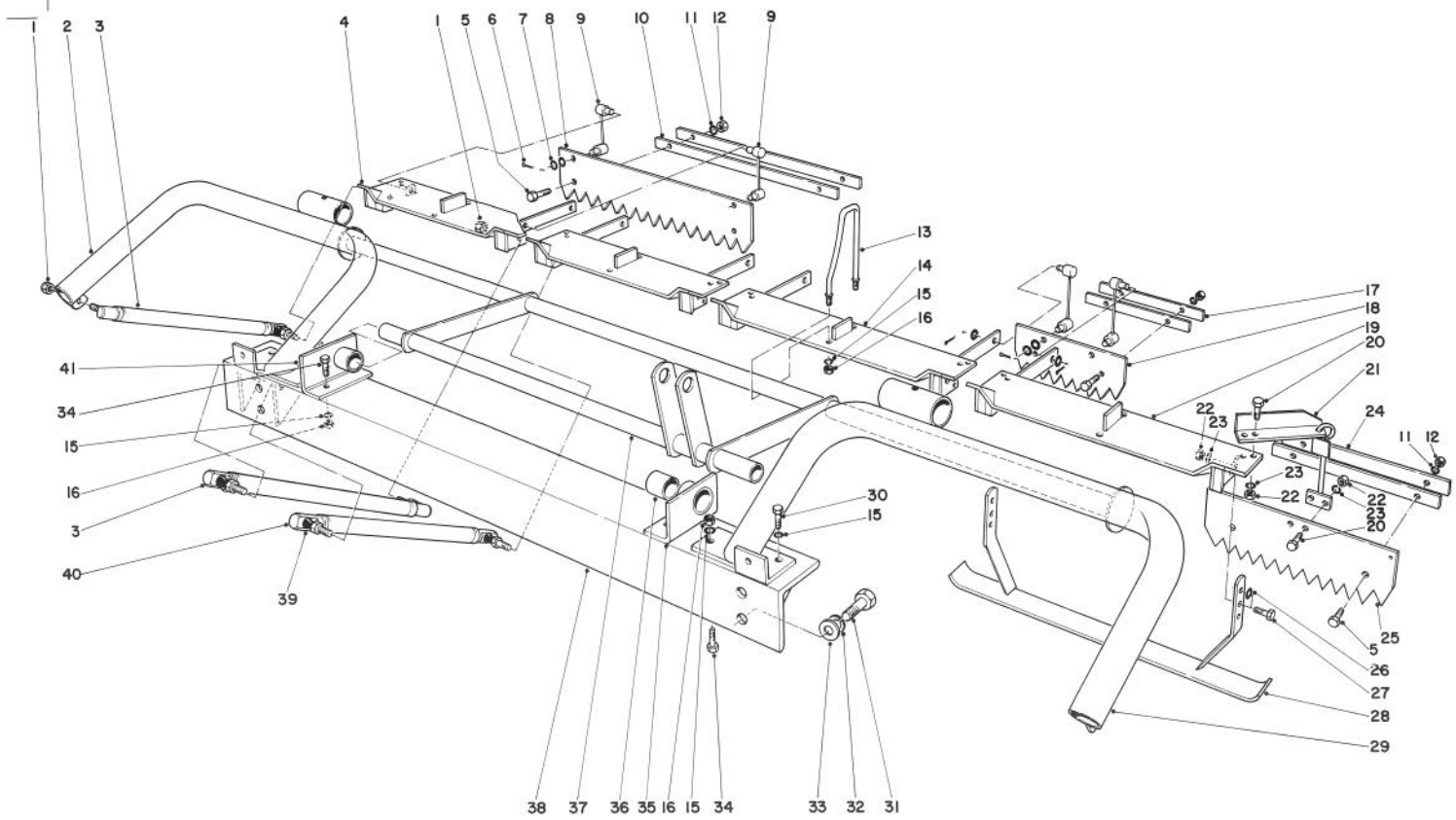
T-1235

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

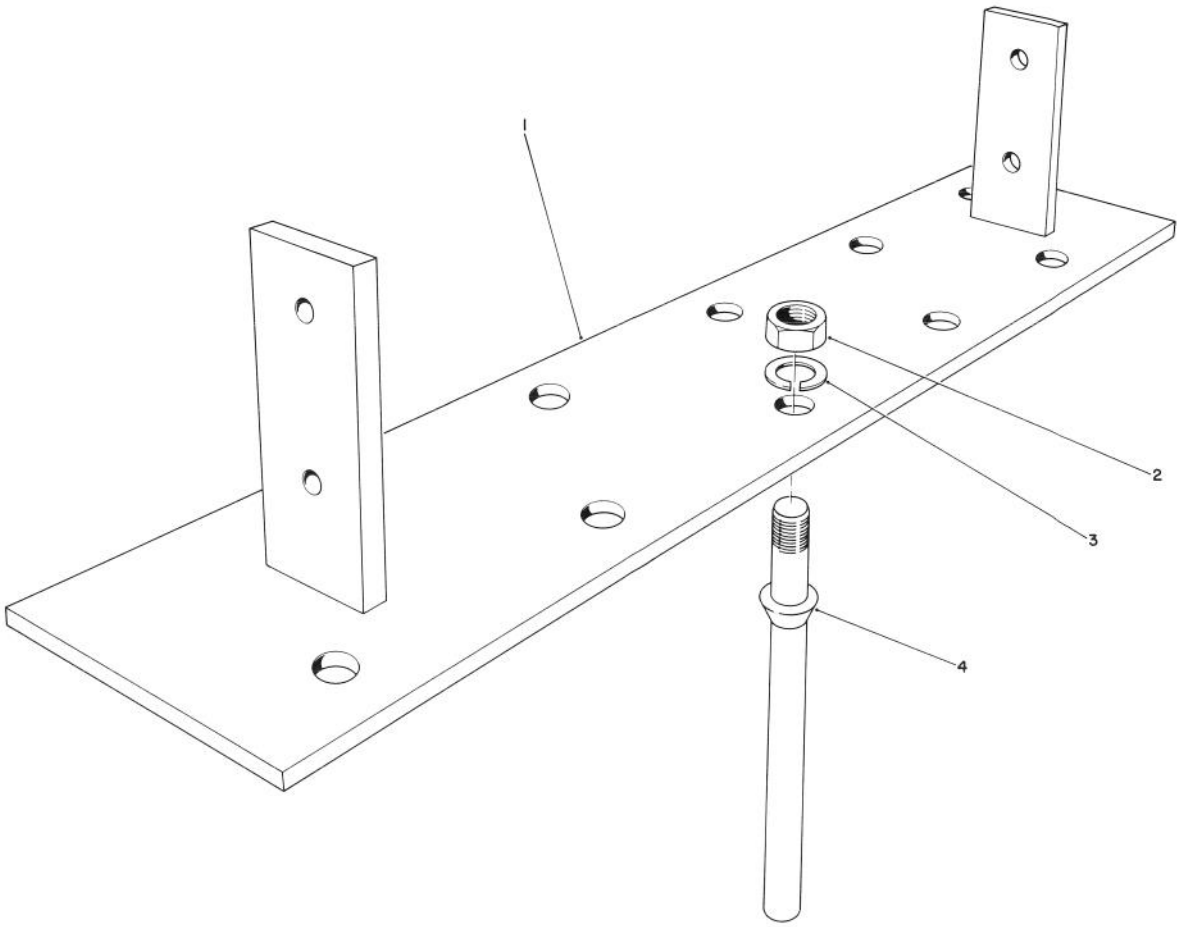


T-0253

RAKE ASSEMBLY MODEL NO. 08811 (Optional)

Ref. No.	Part No.	Description	No. Used
1	3296-5	Nut - Lock	16
2	18-7260	Hoop - Wheel, R.H.	1
3	18-7550	Assembly - Ball Joint (Incl. Ref. #39)	4
4	18-7450	Rake - Upper	1
5	322-5	Screw - Cap, Hex. Hd.	18
6	3272-10	Pin - Cotter	28
7	3256-23	Washer - Flat	42
8	77-5100	Plate - Drag, Main	4
9	20-4670	Assembly - Cable, Drag	14
10	18-7570	Weight - Drag	8
11	3253-4	Washer - Lock	18
12	3217-6	Nut - Hex	18
13	18-7520	Hoop - Lift	4
14	18-7380	Rake - Upper, (Center)	2
15	3253-21	Washer - Lock	14
16	3217-7	Nut - Hex.	12
17	18-7590	Weight - Drag (Secondary)	6
18	77-5090	Plate - Drag (Secondary)	3
19	18-7420	Rake - Upper, L.H.	1
20	321-4	Screw - Cap, Hex. Hd.	8
21	18-7660	Bracket - Swivel	2
22	3217-5	Nut - Hex.	24

Ref. No.	Part No.	Description	No. Used
23	3253-3	Washer - Lock	24
24	18-7650	Weight	4
25	77-5080	Swivel - Drag	2
26	3256-22	Washer - Flat	8
27	321-31	Screw - Cap, Hex. Hd.	16
28	18-7460	Rake - Bar	4
29	18-7360	Hoop - Wheel, L.H.	1
30	323-3	Screw - Cap, Hex. Hd.	2
31	325-5	Screw - Cap, Hex. Hd.	4
32	3253-7	Washer - Lock	4
33	3256-26	Washer - Flat	4
34	323-6	Screw - Cap, Hex. Hd.	4
35	18-7220	Bracket - Pivot , L.H. (Incl. Ref. #36)	1
36	256-234	Bushing	2
37	18-7170	Bar - Lift	1
38	18-7280	Mount - Rake	1
39	2411-31	Boot - Rubber	16
40	18-7530	Asssembly - Ball Joint (Ctr.) (Incl. Ref. #39)	4
41	18-7250	Bracket - Pivot, R.H. (Incl. Ref. #36)	1

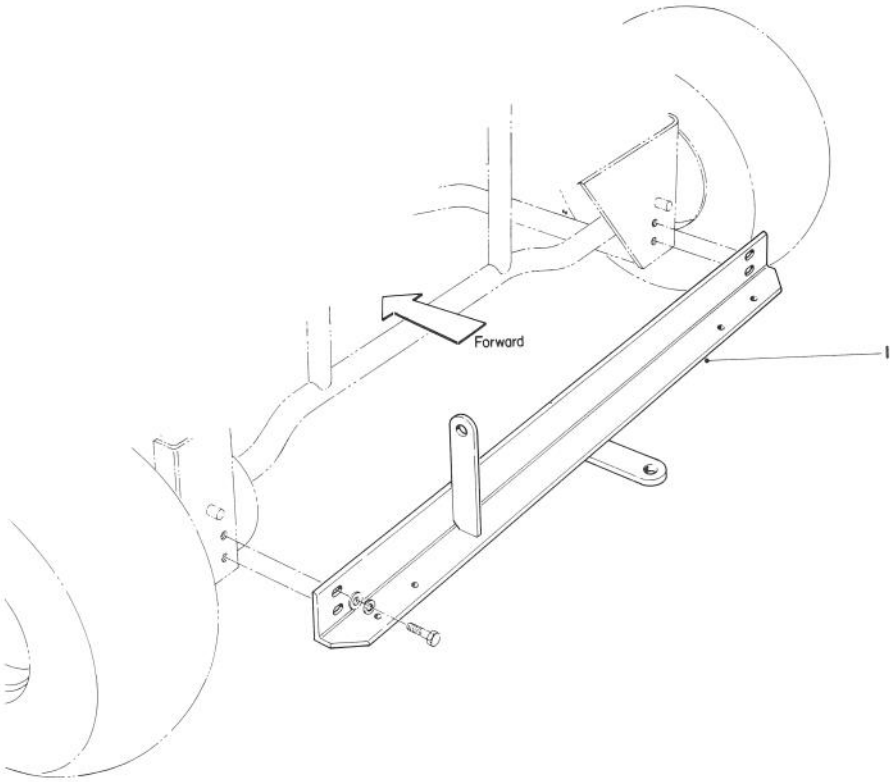


T-0254

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
3	3253-29	Washer - Lock	40
4	42-1940	Prong - Rake	40

Note: Used with Rake Attachment Model No. 08811

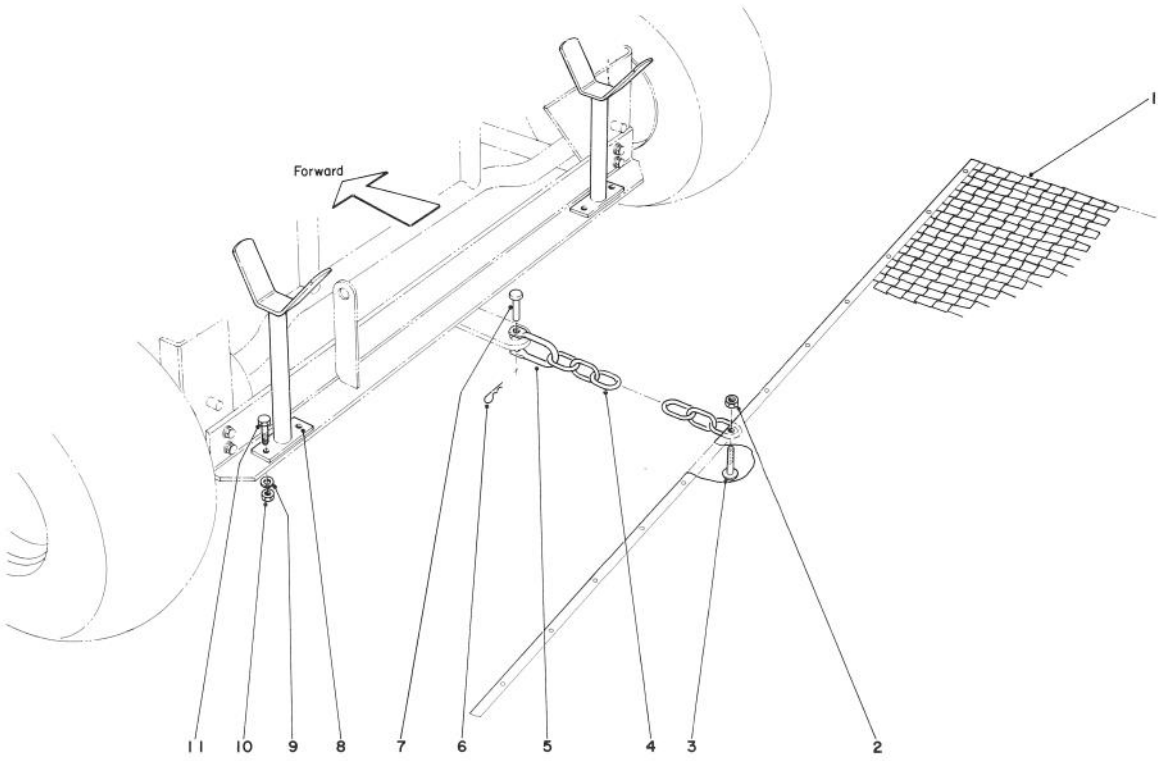


T-0255A

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

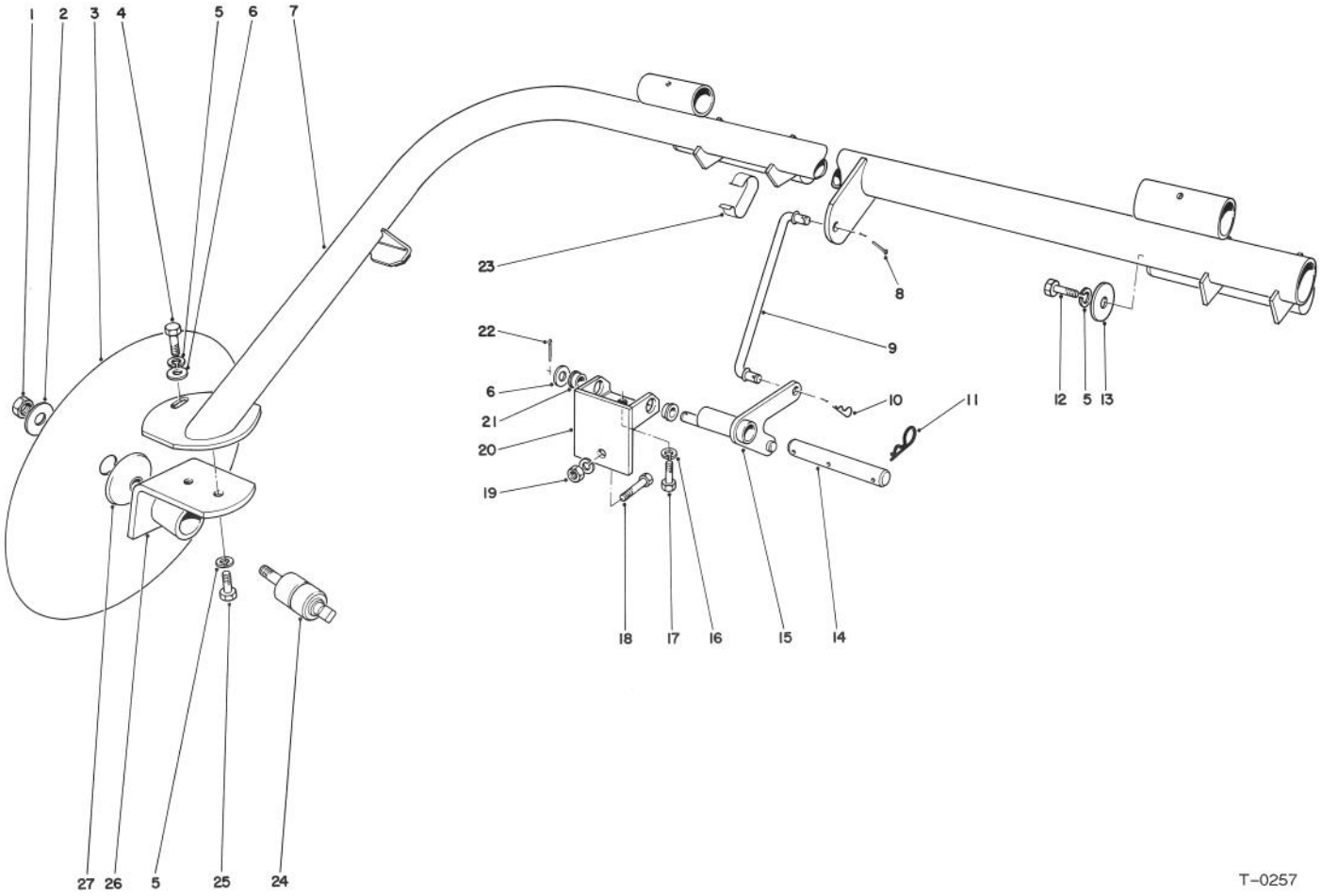


T-0256A

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

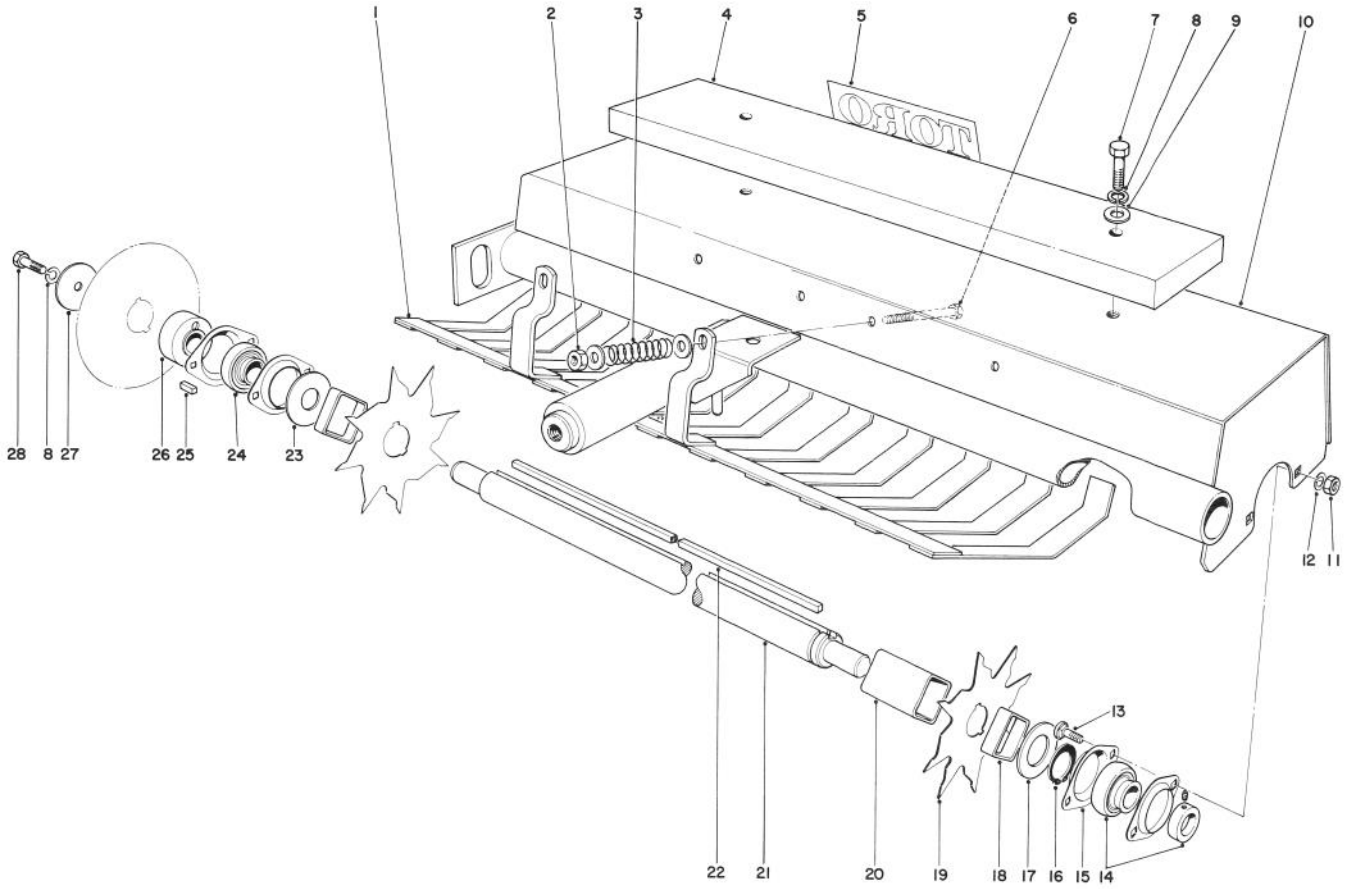


T-0257

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



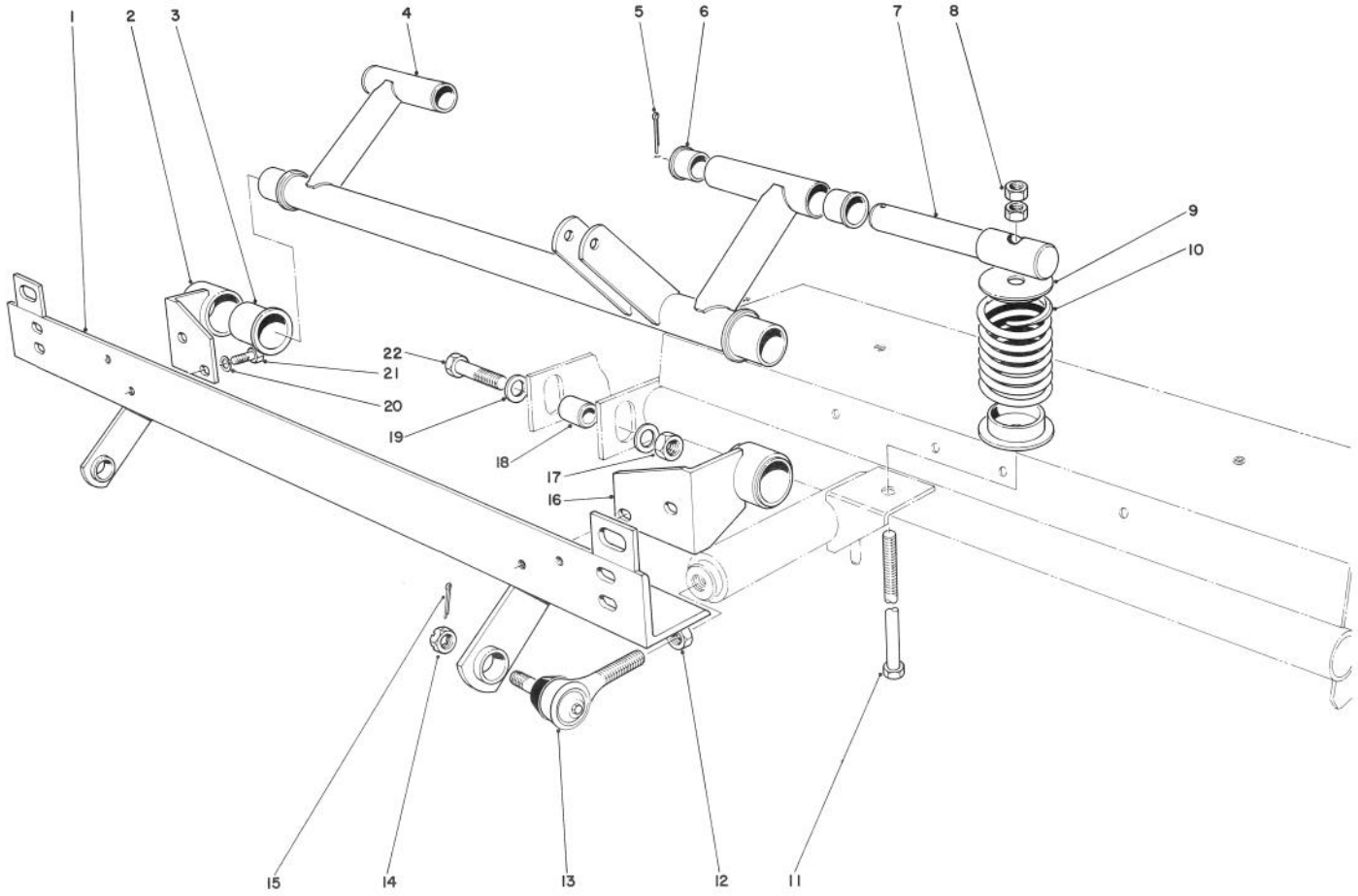
T-0258

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	Retaing - 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

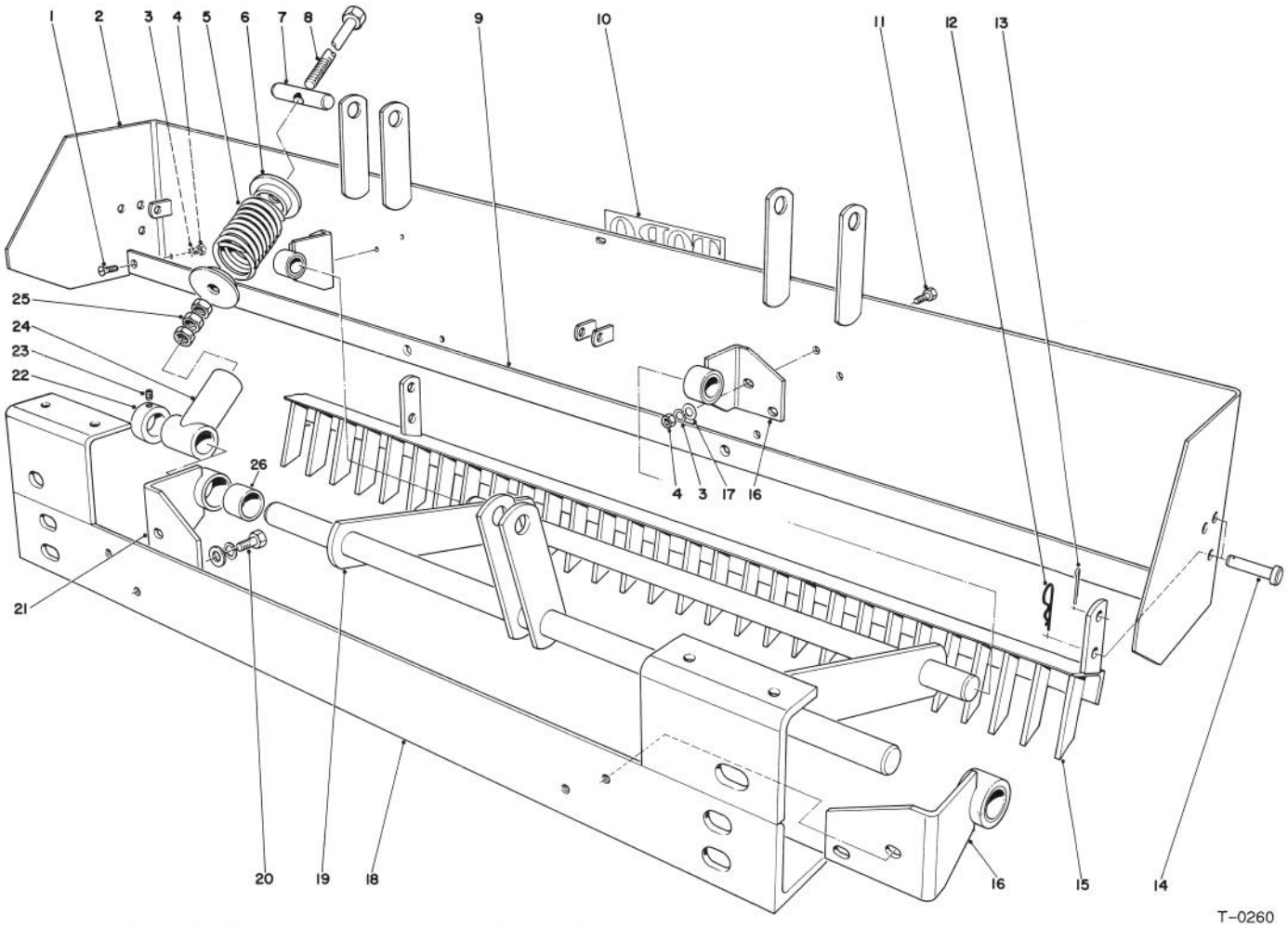


T-0259

SPIKER MODEL NO. 08855 (Optional) (Continued)

Ref. No.	Part No.	Description	No. Used
1	20-9310	Mount	1
2	20-9270	Anchor R.H. (Incl. Ref. #3)	1
3	256-245	Bushing	2
4	20-9190	Arm - Lift (Incl. Ref. #6)	1
5	3272-13	Pin - Cotter	2
6	256-10	Bushing	2
7	20-9400	Pin - Actuating	2
8	3217-9	Nut - Hex.	4
9	20-9350	Mount - Spring	4
10	20-9420	Spring	2
11	20-9390	Rod - Actuating	2

Ref. No.	Part No.	Description	No. Used
12	20-9990	Nut	2
13	21-4010	Ball Joint (Incl. Ref. #14)	2
14	32136-3	Nut - Slotted	2
15	3272-7	Pin - Cotter	2
16	20-9260	Anchor - L.H. (Incl. Ref. #3)	1
17	3296-25	Nut - Lock	1
18	20-9410	Tube - Support, Center	1
19	3256-26	Washer - Flat	2
20	3253-21	Washer - Lock	4
21	323-5	Screw - Cap, Hex. Hd.	4
22	325-8	Screw - Cap, Hex. Hd.	1



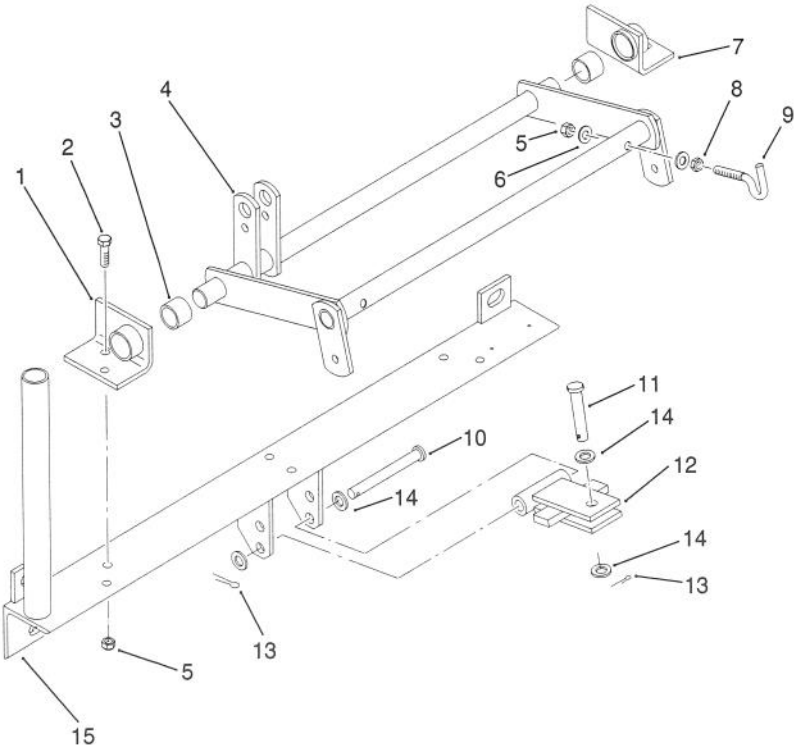
T-0260

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

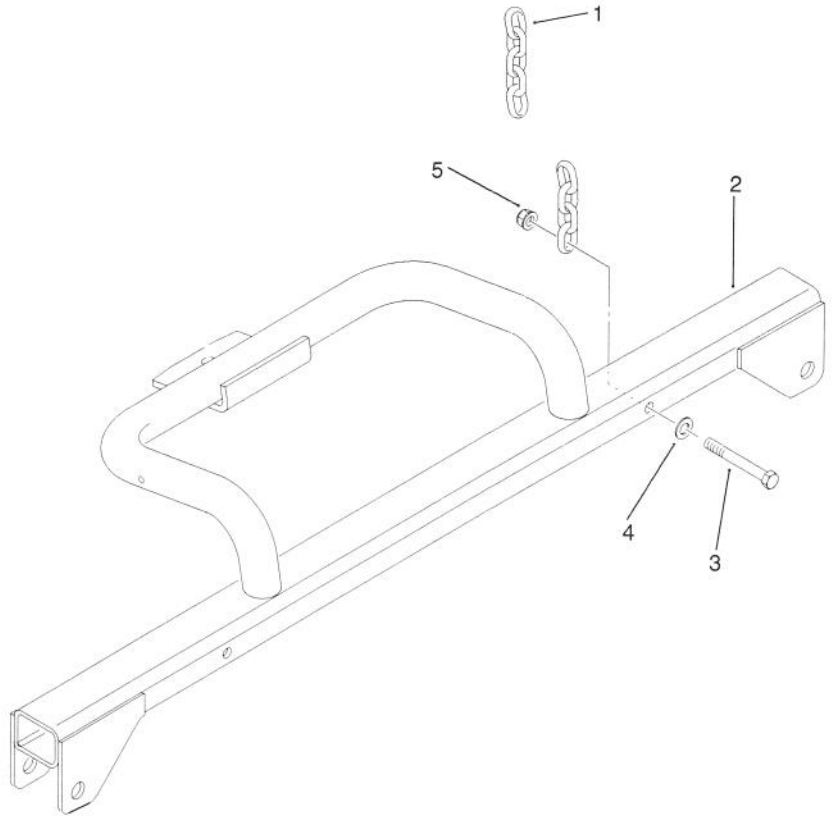


T-1346

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

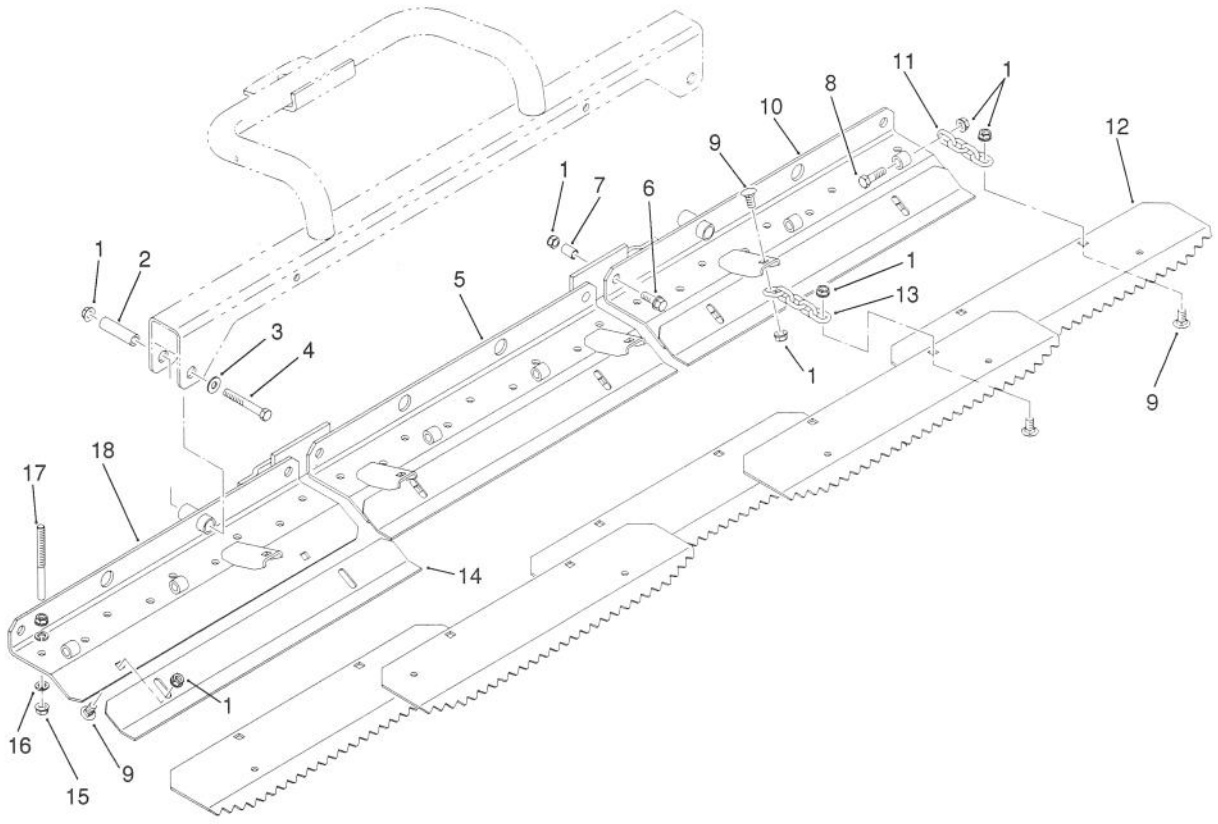


T-1343

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

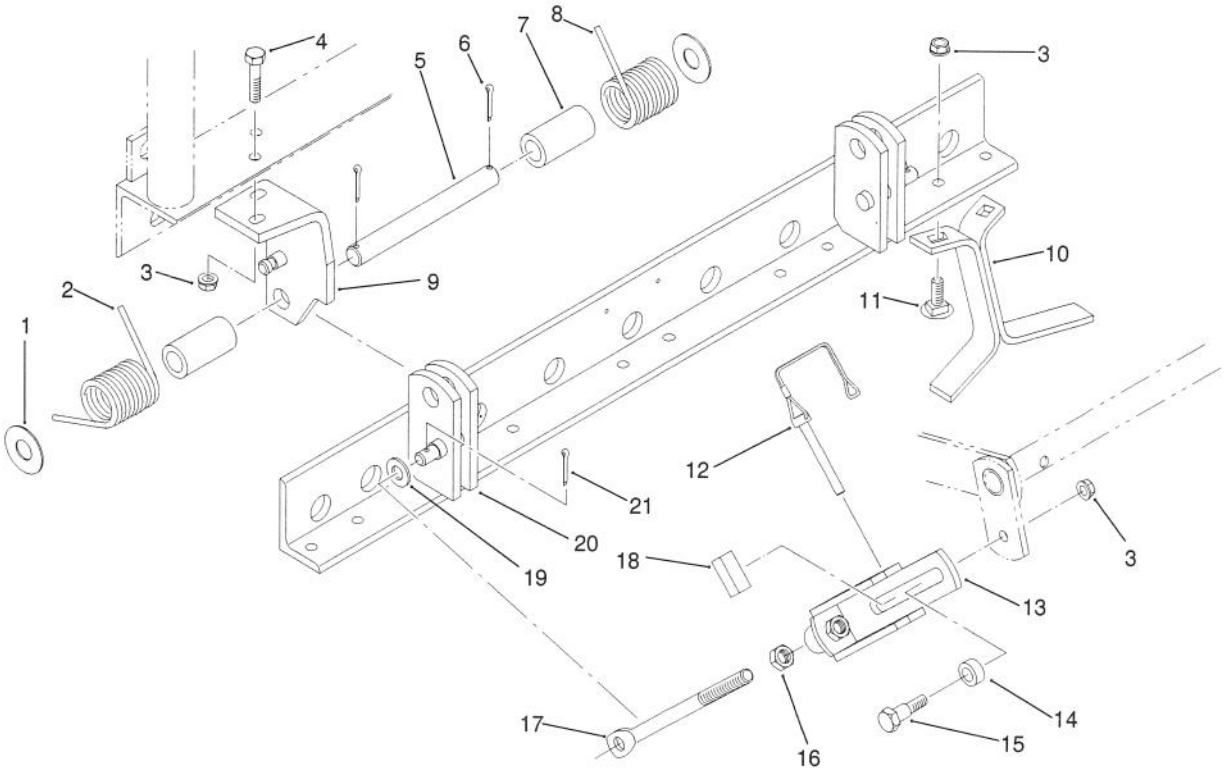


T-1344

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



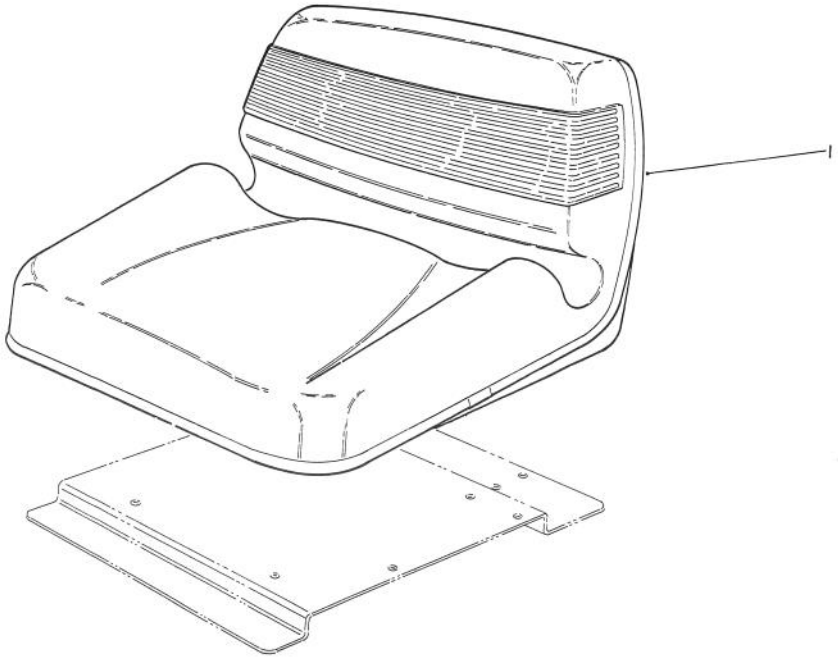
T-1420

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



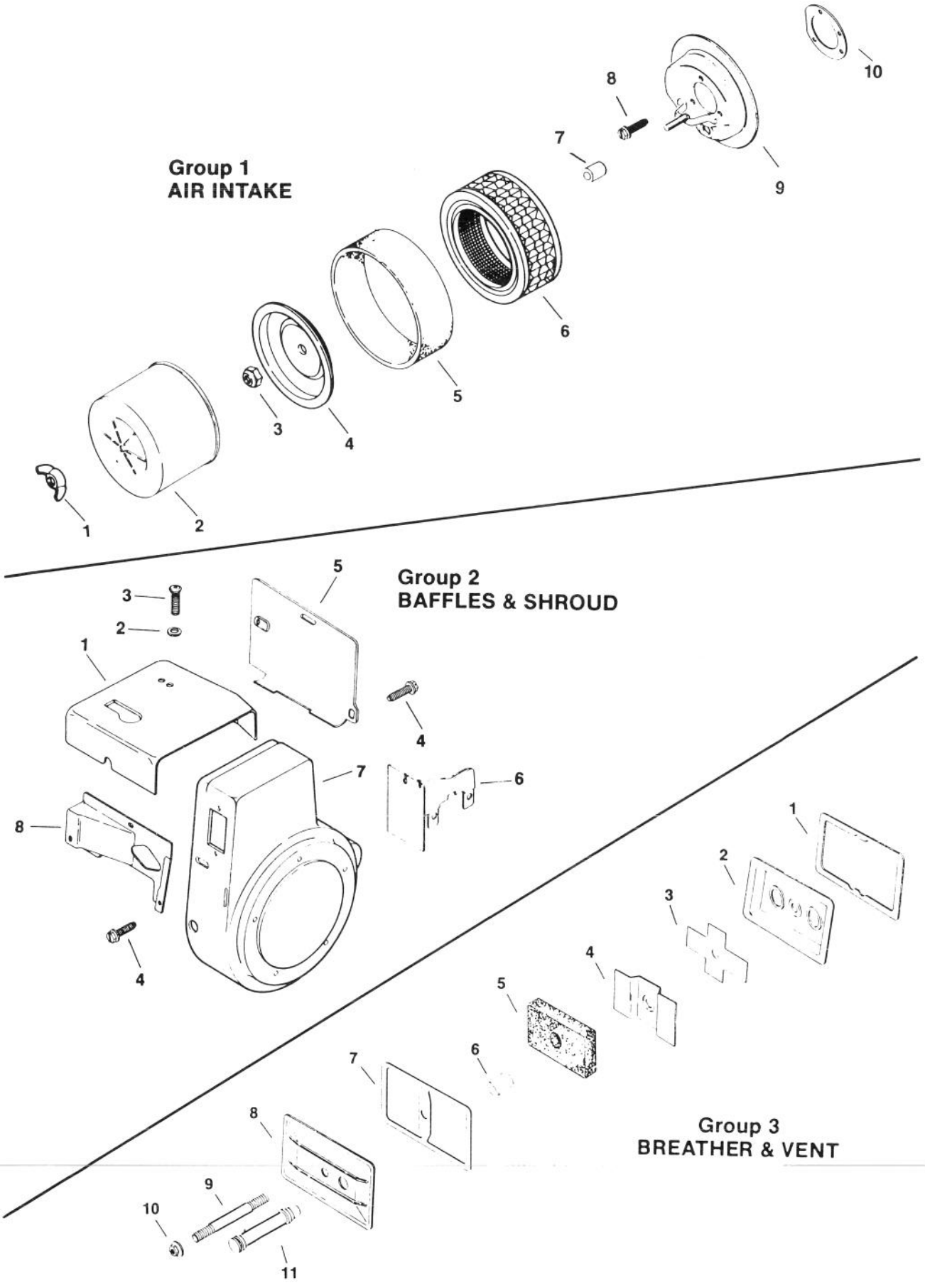
T-1447

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



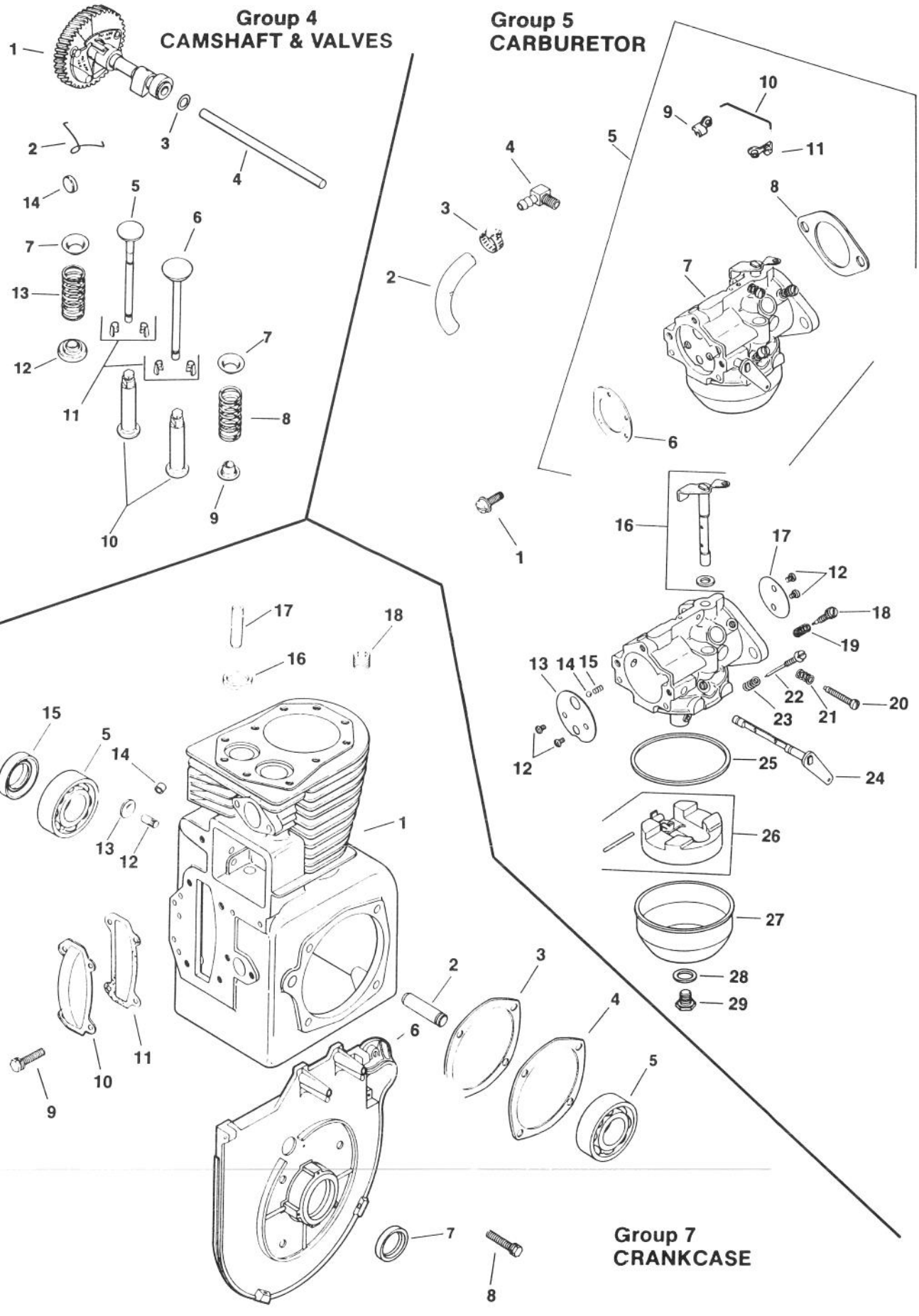
ENGINE KOHLER MODEL NO. M12S SPEC. NO. 471580

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

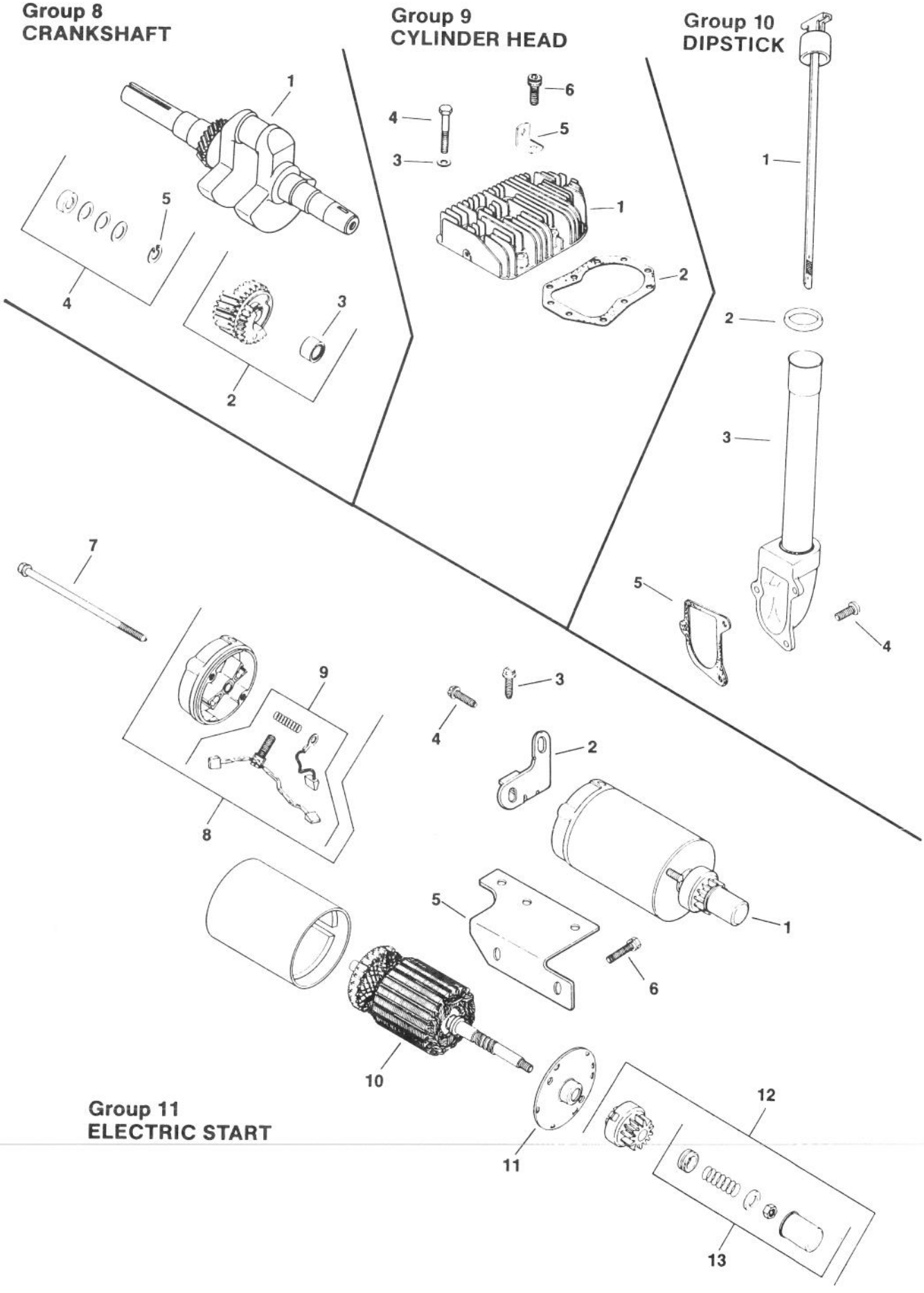


ENGINE KOHLER MODEL NO. M12S SPEC. NO. 471580

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
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

*Not Illustrated

ENGINE KOHLER MODEL NO. M12S SPEC. NO. 471580

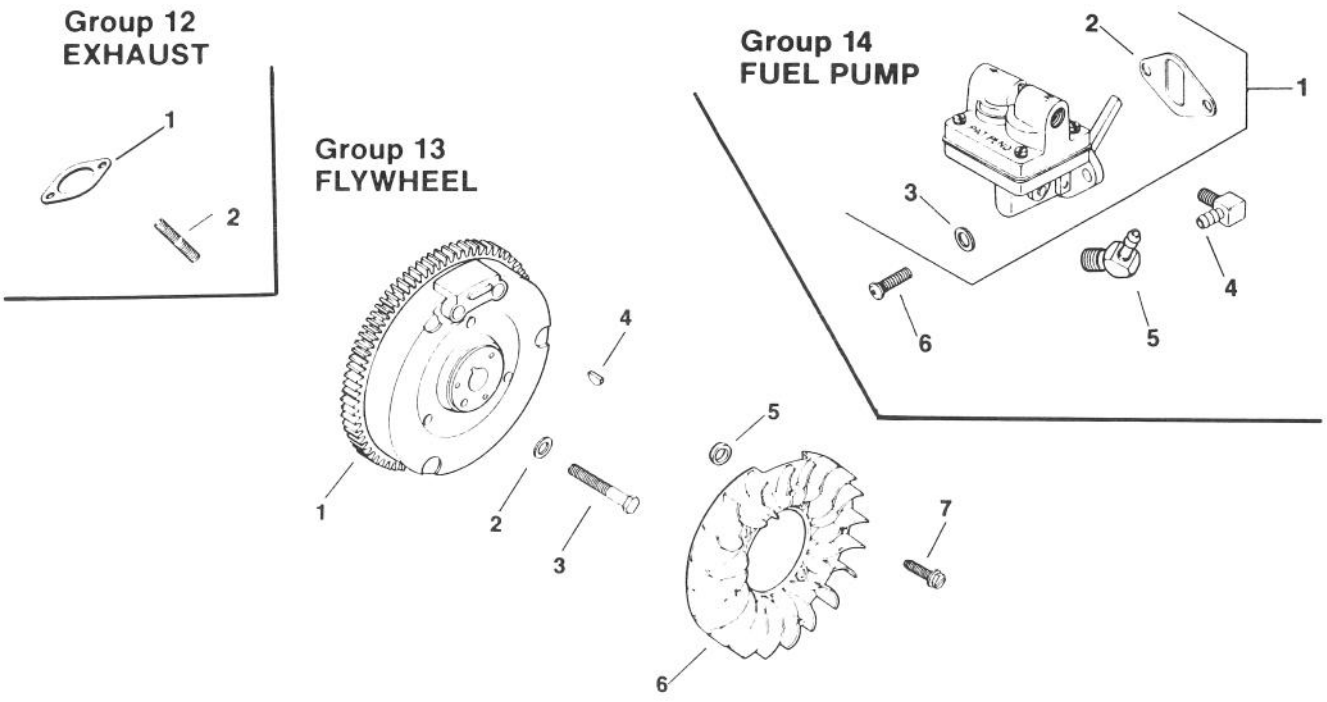


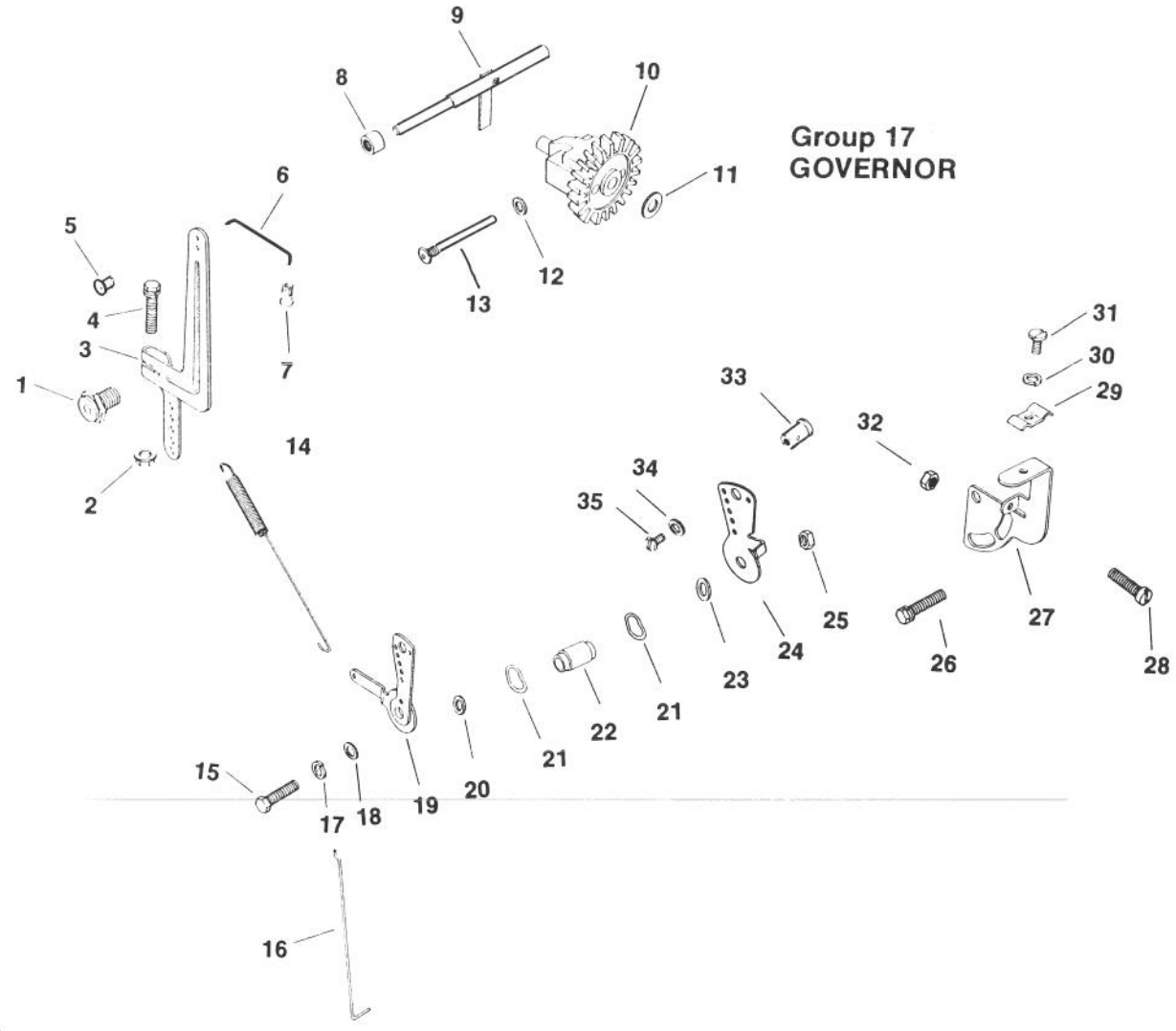
ENGINE KOHLER MODEL NO. M12S SPEC. NO. 471580

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
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

*Not Illustrated

ENGINE KOHLER MODEL NO. M12S SPEC. NO. 471580



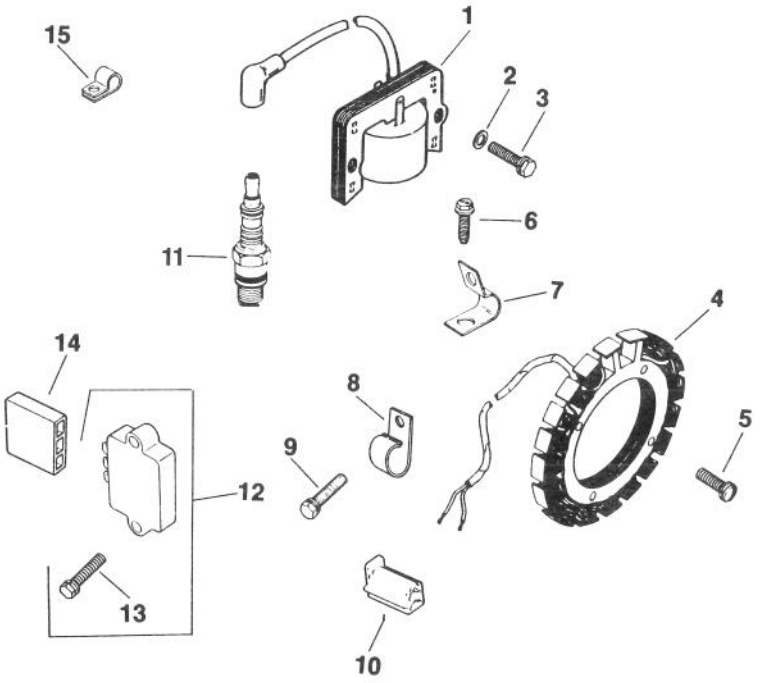


ENGINE KOHLER MODEL NO. M12S SPEC. NO. 471580

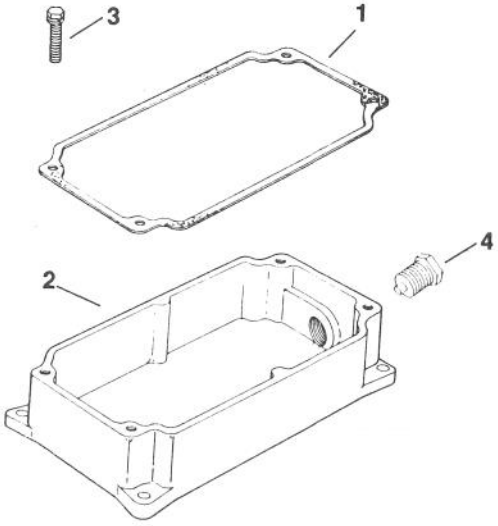
Ref. No.	Part No.	Description	No. Used
		EXHAUST GROUP 12	
1	235122	Gasket - Flange, Exhaust	2
2	4107219	Stud	2
		FLYWHEEL GROUP 13	
1	4702553	Flywheel	1
2	5246815	Washer - Plain	1
3	2508624	Screw - Hex. Mach.	1
4	X-46-3	Key - Woodruff	1
5	2511204	Spacer	4
6	2515701	Fan	1
7	2508621	Screw - Hex. Washer 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
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

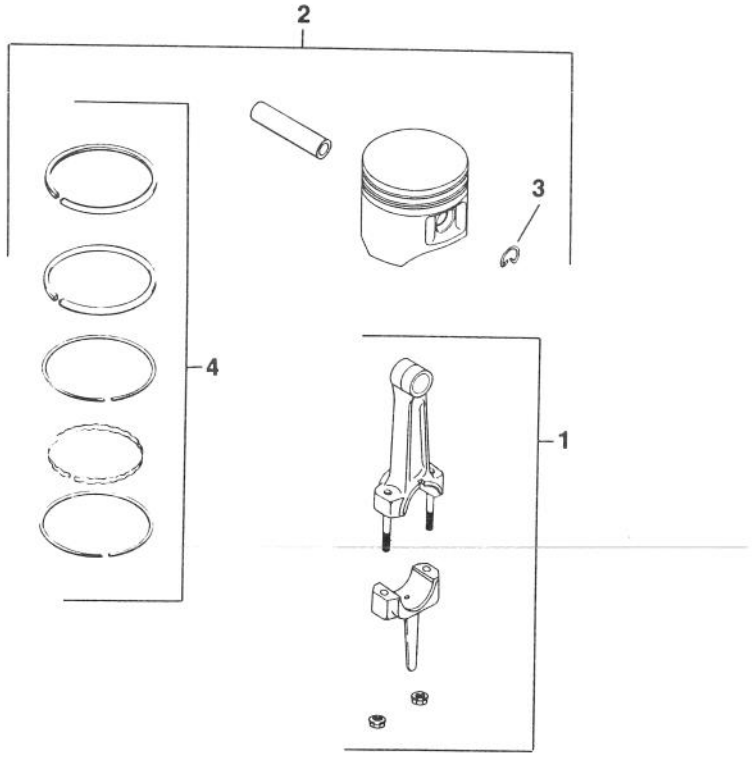
Group 18
IGNITION



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

*Not Illustrated

PART NUMBER INDEX (Continued)

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

*Not Illustrated

PART NUMBER INDEX (Continued)

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

*Not Illustrated

PART NUMBER INDEX (Continued)

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

*Not Illustrated

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

*Not Illustrated

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3290-134	Screw - Mach. Hex. Hd.	9	43	6
3290-250	Pin - Hair, Cotter	22	6	1
3290-250	Pin - Hair, Cotter	23	10	1
3290-256	Pin - Hair, Cotter	9	51	1
3290-256	Pin - Hair, Cotter	23	11	2
3290-355	Pin - Hair, Cotter	17	4	2
3290-355	Pin - Hair, Cotter	26	12	2
3290-357	Nut - Flange	2	52	2
3290-378	Cable Tie	7	*	3
3290-378	Tie - Cable	10	100	2
3290-495	Pin - Klix	17	10	2
3296-4	Nut - Lock	7	60	2
3296-5	Nut - Lock	19	1	16
3296-12	Nut - Lock	6	26	2
3296-12	Nut - Lock	10	90	6
3296-16	Nut - Lock	6	3	4
3296-23	Nut - Lock	18	1	1
3296-25	Nut - Lock	25	17	1
3296-29	Nut - Lock	1	13	4
3296-29	Nut - Lock	3	33	5
3296-29	Nut - Lock	6	32	10
3296-29	Nut - Lock	17	13	18
3296-29	Nut - Lock	22	2	1
3296-33	Nut - Lock	23	1	1
3296-39	Nut - Lock	1	22	3
3296-39	Nut - Lock	9	20	3
3296-39	Nut - Lock	16	5	4
3296-39	Nut - Lock	18	11	5
3296-39	Nut - Lock	24	2	4
3296-39	Nut - Lock	27	5	6
3296-39	Nut - Lock	30	3	16
3296-42	Nut - Lock	1	28	1
3296-42	Nut - Lock	3	19	2
3296-42	Nut - Lock	9	5	6
3296-44	Nut - Lock	1	15	4
3296-44	Nut - Lock	17	25	4
3296-59	Nut - Lock	1	17	1
3296-59	Nut - Lock	9	45	1
32103-12	Wing - Nut	6	47	2
32104-42	Screw - Self Tapping	6	42	2
32104-76	Screw - Self Tapping	1	6	2
32104-76	Screw - Self Tapping	7	69	3
32105-2	Screw - Mach. Hex. Hd.	6	19	2
32107-11	Nut - Square	8	14	2
32108-39	Screw - Flat Hd.	26	1	4
32115-11	Retainer - Nut, Tinnerman	15	10	2
32120-11	Ring - Retaining	5	36	1
32120-15	Ring - Retaining	5	34	1
32121-6	Pin - Roll, Slotted	7	64	1
32121-10	Pin - Roll, Slotted	6	22	1
32121-16	Pin - Roll	3	39	1
32121-16	Pin - Roll, Slotted	6	45	1
32121-24	Pin - Roll	3	27	1
32121-84	Pin - Roll, Slotted	6	29	1
32121-91	Pin - Spring , Coiled	5	38	3
32122-35	Screw - Machine Screw	22	3	1
32122-54	Screw - Truss Head	18	16	2
32128-20	Nut - Lock, Flange Hd.	8	19	4
32128-21	Nut - Flange Head	28	5	2
32128-21	Nut - Flange Head	29	1	30
32136-3	Nut - Slotted	25	14	2
32136-9	Nut - Hex., Slotted	15	2	1
32144-11	Screw - Self Tapping	6	13	2
32151-44	Retaing - Ring	24	16	2
32151-46	Ring - Retaining	5	13	2
32152-2	Nut - Lock	16	6	8
32152-10	Nut	13	4	1
353-212	Fitting - 45°	9	40	2
353-370	Elbow - 90° Adj.	3	42	1
353-370	Fitting - 90°	9	7	1
353-372	Fitting - 90°	1	2	2
353-374	Elbow - 90° Adj.	3	45	1
353-379	Fitting - 45°	9	32	1
353-424	"T" Fitting	10	76	2
353-426	Fitting 90°	9	54	4
353-431	Fitting - 45° JIC	10	102	1
353-506	Fitting - Adapter, Male	9	35	1
353-511	Elbow - 90° Adj.	3	46	1
353-511	Fitting - 90°	9	18	1
353-535	Fitting - 45°	9	33	1
353-877	Fitting - Swivel	9	38	1
354-132	Fitting - 90°	9	47	1

*Not Illustrated

PRODUCT CHANGES

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

IDENTIFICATION AND ORDERING

MODEL AND SERIAL NUMBERS

The 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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