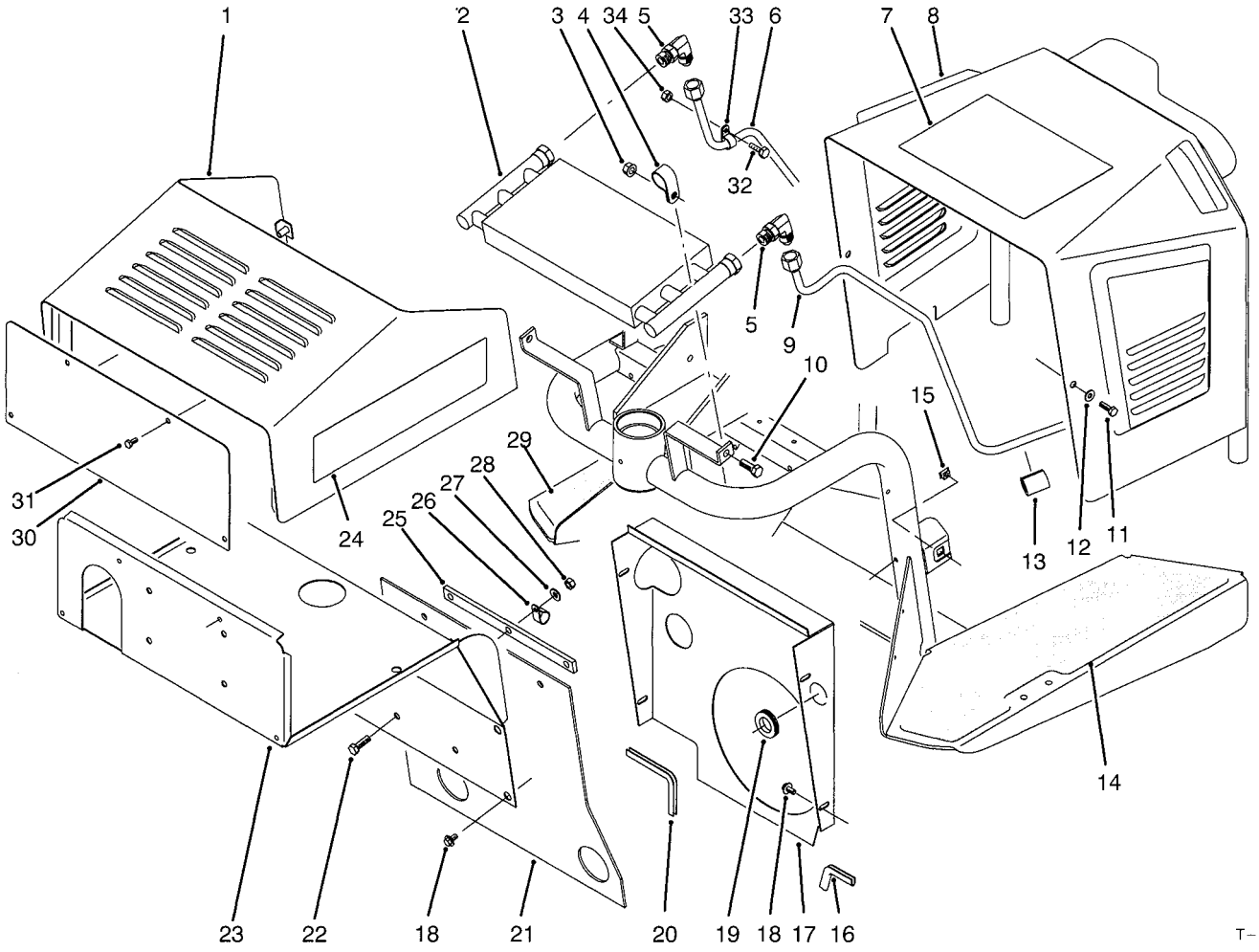
FORM NO. 3316–227

TORO®

MODEL NO. 08882–40001 & UP

PARTS CATALOG

SAND PRO 2000



T–1745

SHROUDING & OIL COOLER ASSEMBLY

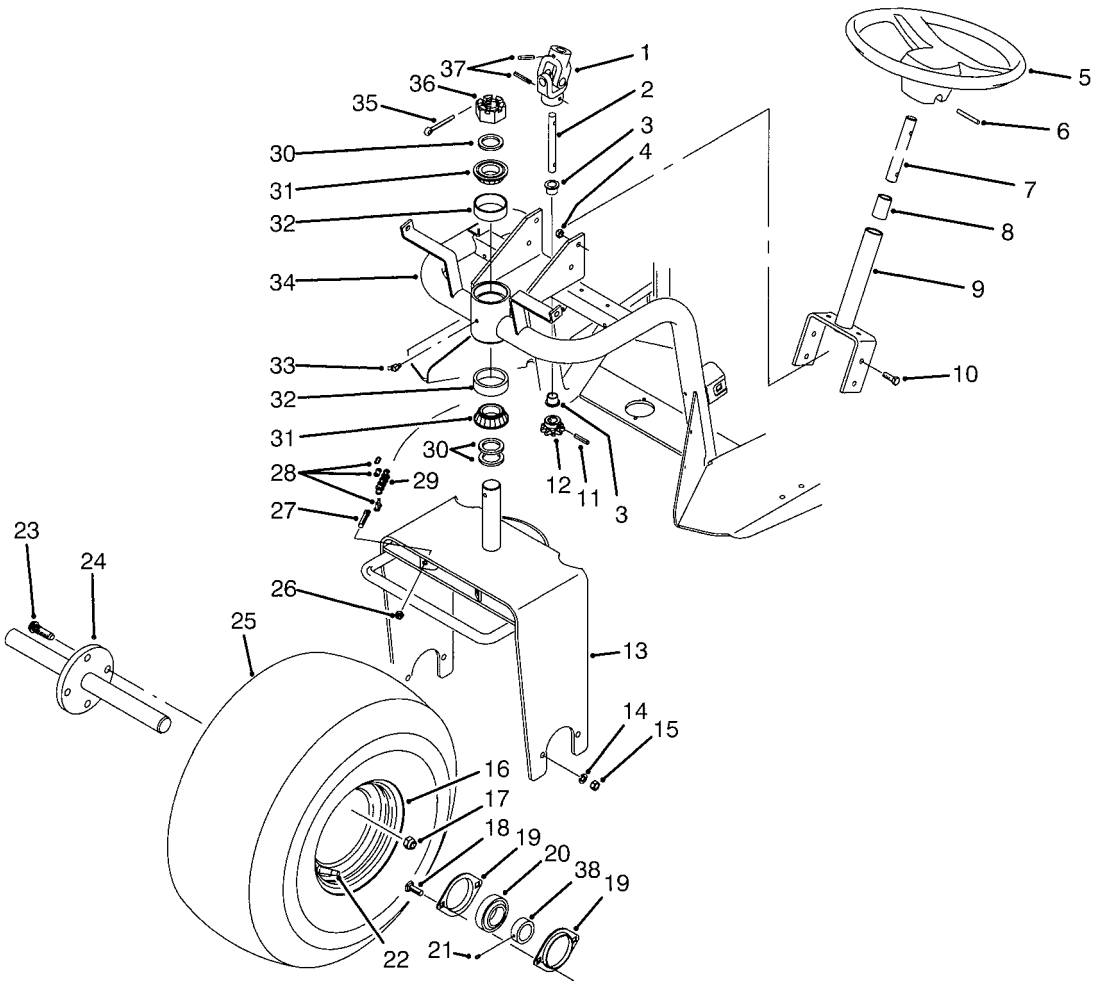
Ref. No.	Part No.	Description	No. Used
1	92–5037	Shroud – Dash	1
2	24–0760	Cooler – Oil	1
3	3290–357	Nut – Flange Lock	2
4	2412–39	Clamp – R	2
5	353–372	Fitting – Hydraulic 90°	2
6	92–7151	Tube – Hydraulic	1
7	92–1706	Decal – Operating	1
8	85–6680	Shield – Engine	1
9	92–7150	Tube – Hydraulic	1
10	323–6	Screw – Cap Hex. Hd.	2
11	322–4	Screw – Cap Hex. Hd.	2
12	3256–35	Washer – Flat	2
13	38–3400	Guard – Rubber	1
14	92–7159	Tread – Foot LH	1
15	3290–496	Nut – Tinnerman	2
16	51–3160	Trim	1
17	92–5029	Shield – Blower	1
18	46–8560	Screw – Hex. Flange Hd.	10

Ref. No.	Part No.	Description	No. Used
19	237–100	Grommet	1
20	51–3161	Trim	1
21	49–9590	Shield – Rubber	1
22	322–5	Screw – Cap Hex. Hd.	3
23	92–5048	Shield – Cooler	1
24	84–8010	Decal – SANDPRO 2000	2
25	49–9980	Retainer – Rubber Shield	1
26	2412–41	Clamp – R	1
27	3256–23	Washer – Flat	3
28	3296–29	Nut – Lock	3
29	92–7158	Tread – Foot RH	1
30	92–5023	Panel – Front	1
31	3234–33	Screw – Hex. Flange Hd.	4
32	321–4	Screw – Cap Hex. Hd.	1
33	2412–73	Clamp – R	1
34	3296–42	Nut – Lock	1
*	3290–378	Tie – Cable	1

*Not Illustrated

TPS

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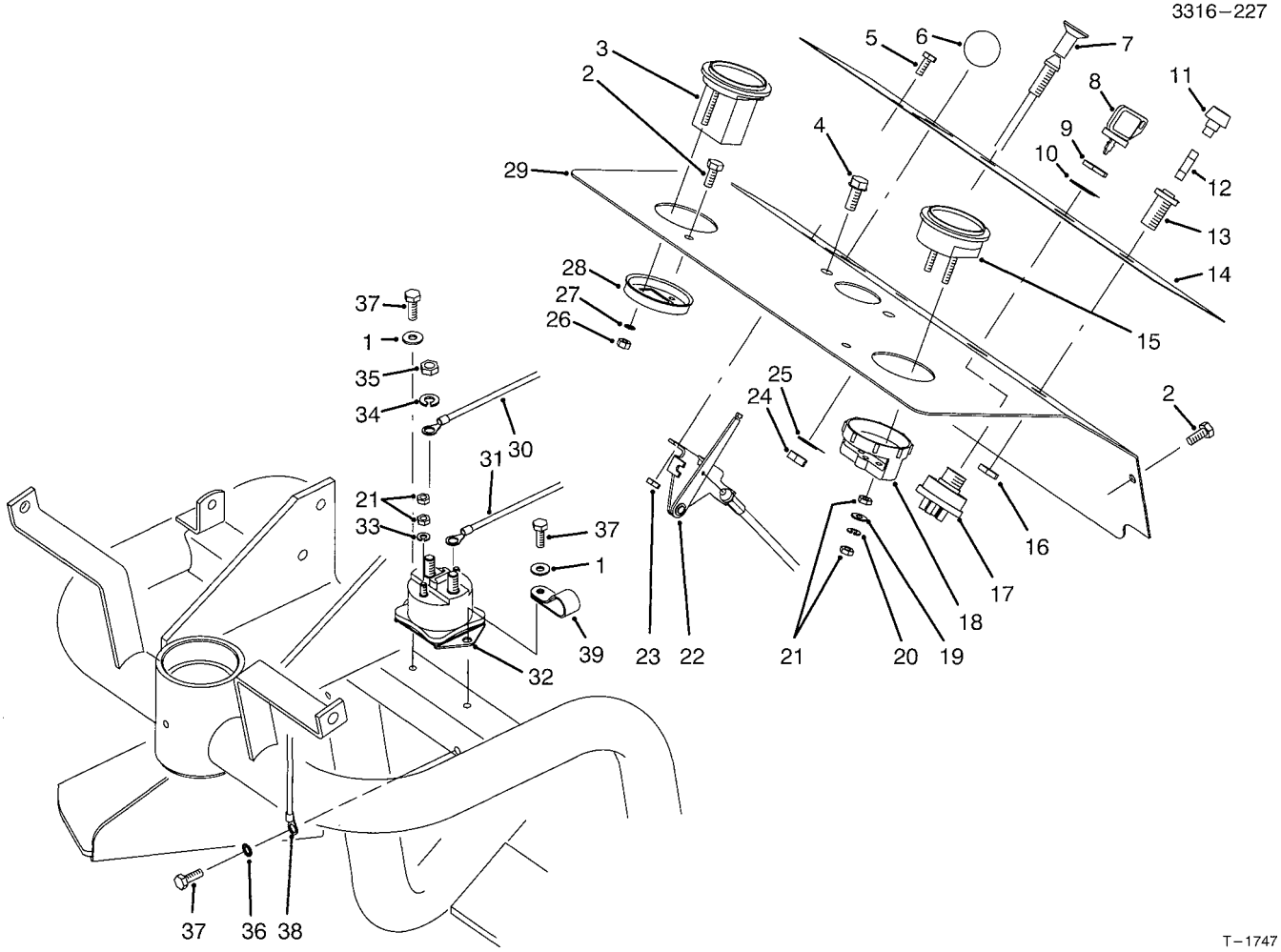


T–1746

FRONT WHEEL & STEERING ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	85–9200	Knuckle – Steering	1
2	85–9210	Shaft – Steering Lower	1
3	256–287	Bushing – Flange	2
4	3296–29	Nut – Lock	4
5	76–1420	Wheel – Steering	1
6	32121–111	Pin – Spiral	1
7	85–6610	Shaft – Steering Upper	1
8	256–185	Bushing – Sleeve	2
9	92–5035	Steering Shaft Assembly (Incl. Ref. #8)	1
10	322–5	Screw – Cap Hex. Hd.	4
11	32121–112	Pin – Spiral	1
12	85–9180	Sprocket	1
13	92–5030	Fork – Steering	1
14	3253–21	Washer – Lock	4
15	3217–7	Nut – Hex.	4
16	46–4810	Rim – Wheel	1
17	242–50	Nut – Lug	4
18	3231–2	Bolt – Carriage	4
19	251–166	Flange – Bearing	4

Ref. No.	Part No.	Description	No. Used
20	251–165	Bearing Assembly (Incl. Ref. #21 & 38)	2
21		Screw – Set	2
22	232–35	Valve – Stem	1
23	10–6830	Stud – Drive	4
24	84–7940	Axle – Front	1
25	28–1070	Tire	1
26	3296–4	Nut – Lock	2
27	18–6380	Pin – Steering Adjustment	2
28	2710–11	Link – Connecting	2
29	92–5039	Chain – Steering	1
30	18–6320	Washer – Steering	3
31	254–70	Cone – Bearing	2
32	254–61	Cup – Bearing	2
33	302–11	Fitting – Grease	1
34	92–5000	Frame Assembly (Incl. Ref. #3 & 33)	1
35	3272–37	Pin – Cotter	1
36	32136–9	Nut – Slotted	1
37	32121–15	Pin – Spiral	2
38		Collar – Locking	1

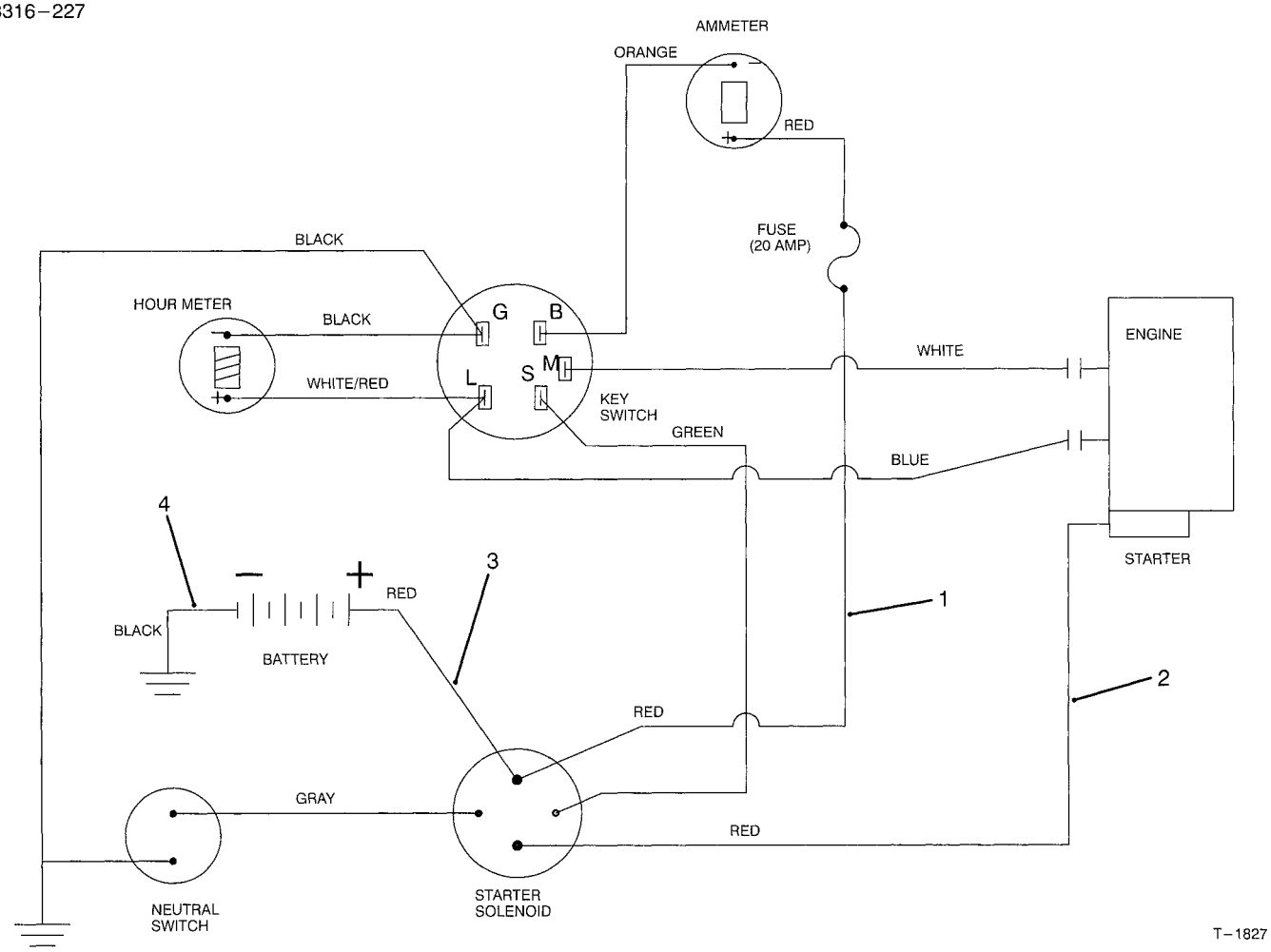


T–1747

DASH PANEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3256–22	Washer – Flat	2
2	3234–33	Screw – Cap Hex. Hd.	4
3	66–2950	Hourmeter Assembly (Incl. Ref. #26–28)	1
4	32144–11	Screw – Hex. Flange Hd.	2
5	32105–2	Screw – Cap Hex. Hd.	2
6	233–25	Knob – Throttle	1
7	92–7155	Choke Control Assembly	1
8	63–8360	Key – Ignition	2
9	218–461	Nut – Hex.	1
10	3254–5	Washer – Lock ITLW	1
11		Cap – Fuse Holder	1
12	218–598	Fuse – 20 Amp.	1
13	218–489	Fuse Holder Assembly (Incl. Ref. #11 & 16)	1
14	92–7157	Decal – Dash	1
15	83–0820	Ammeter Assembly (Incl. Ref. #18–21)	1
16		Nut – Hex.	1
17	23–0660	Ignition Switch Assembly (Incl. Ref. #9 & 10)	1
18	39–9600	Clamp – Mounting	1

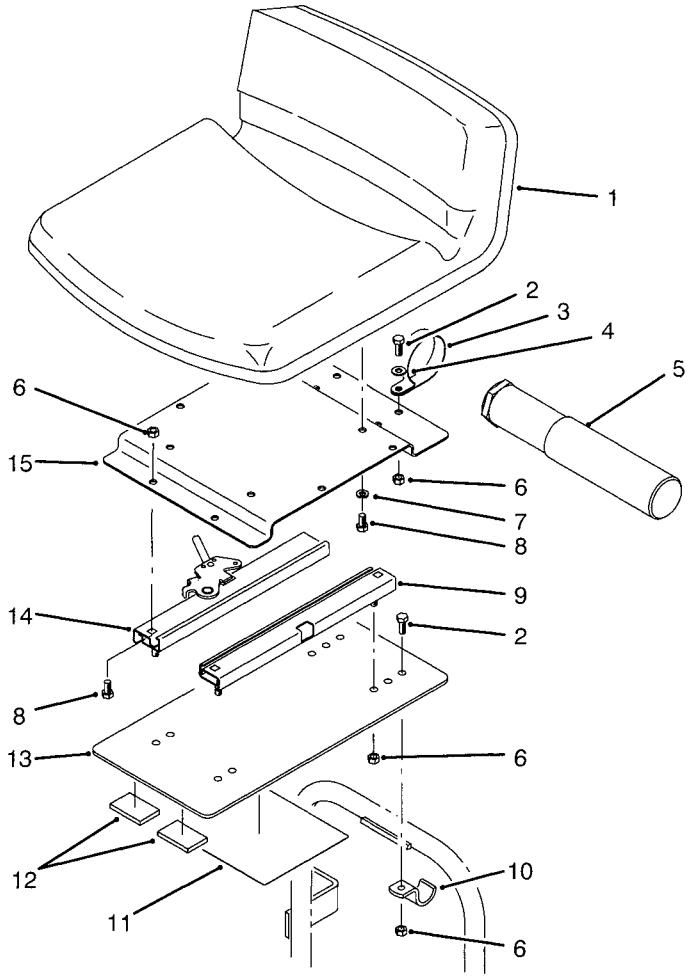
Ref. No.	Part No.	Description	No. Used
19	3256–21	Washer – Flat	2
20	3254–1	Washer – Lock	2
21	3219–14	Nut – Hex.	8
22	92–7156	Control – Throttle	1
23	3296–12	Nut – Lock	2
24	3219–3	Nut – Hex.	1
25	3254–6	Washer – Lock ITLW	1
26	3217–25	Nut – Hex.	2
27	3255–20	Washer – Lock ITLW	2
28		Clamp – Mounting	1
29	92–5024	Panel – Dash	1
30	86–7570	Wire – Battery–Solenoid	1
31	86–7440	Wire – Solenoid–Starter	1
32	28–4210	Solenoid	1
33	3253–17	Washer – Lock	2
34	3253–4	Washer – Lock	2
35	3218–13	Nut – Jam	2
36	3255–7	Washer – Lock	1
37	32104–42	Screw – Cap Hex. Hd.	3
38	92–5046	Wire Harness Assembly	1
39	2412–73	Clamp – R	1



ELECTRICAL SCHEMATIC

Ref. No.	Part No.	Description	No. Used
1	92–5046	Harness – Wire	1
2	86–7440	Wire Assembly (Solenoid – Starter)	1

Ref. No.	Part No.	Description	No. Used
3	86–7570	Cable – Battery Pos.	1
4	86–7450	Wire Assembly (Engine Ground)	1

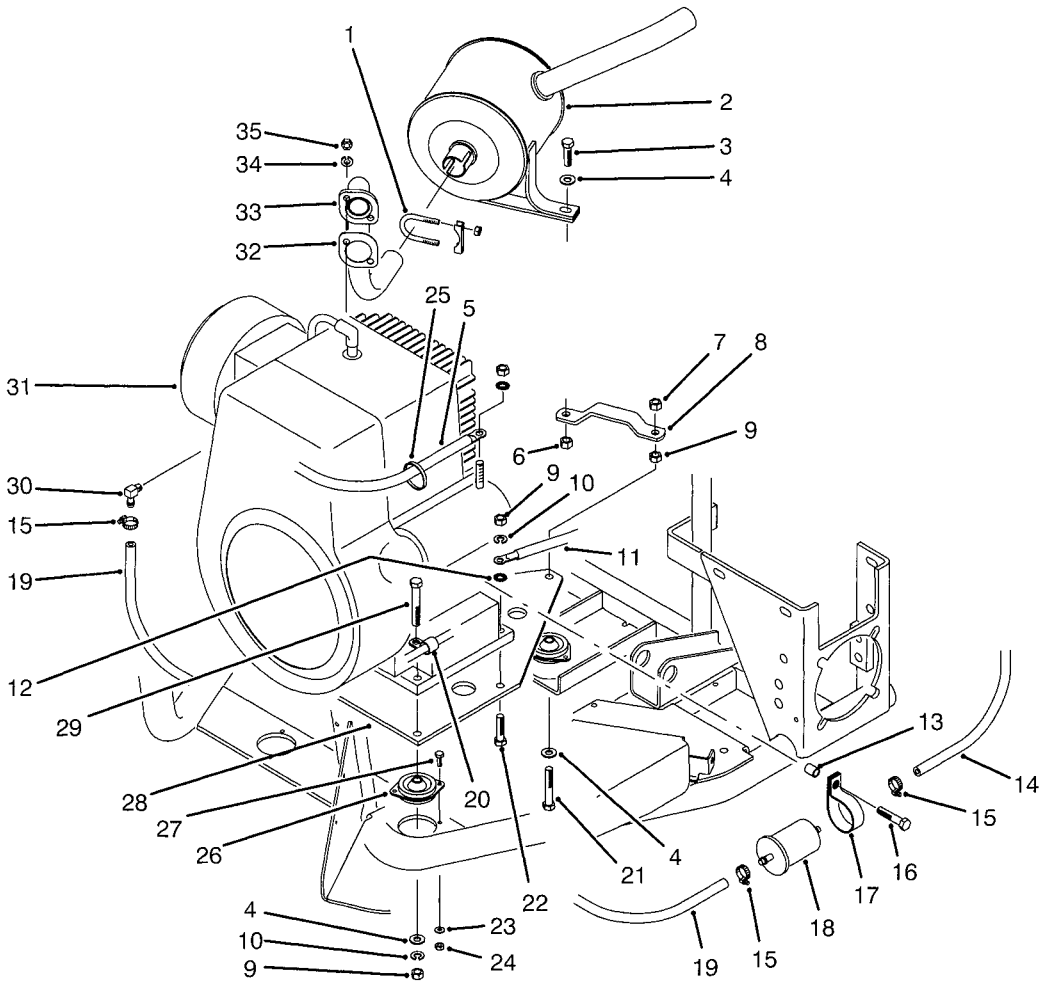


T–1748

SEAT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	27–5170	Seat Assembly	1
2	322–3	Screw – Cap Hex. Hd.	4
3	2412–133	Clamp – R	2
4	3256–3	Washer – Flat	2
5	74–0720	Tube – Manual	1
6	3296–29	Nut – Lock	12
7	3253–4	Washer – Lock	4
8	322–2	Screw – Cap Hex. Hd.	8

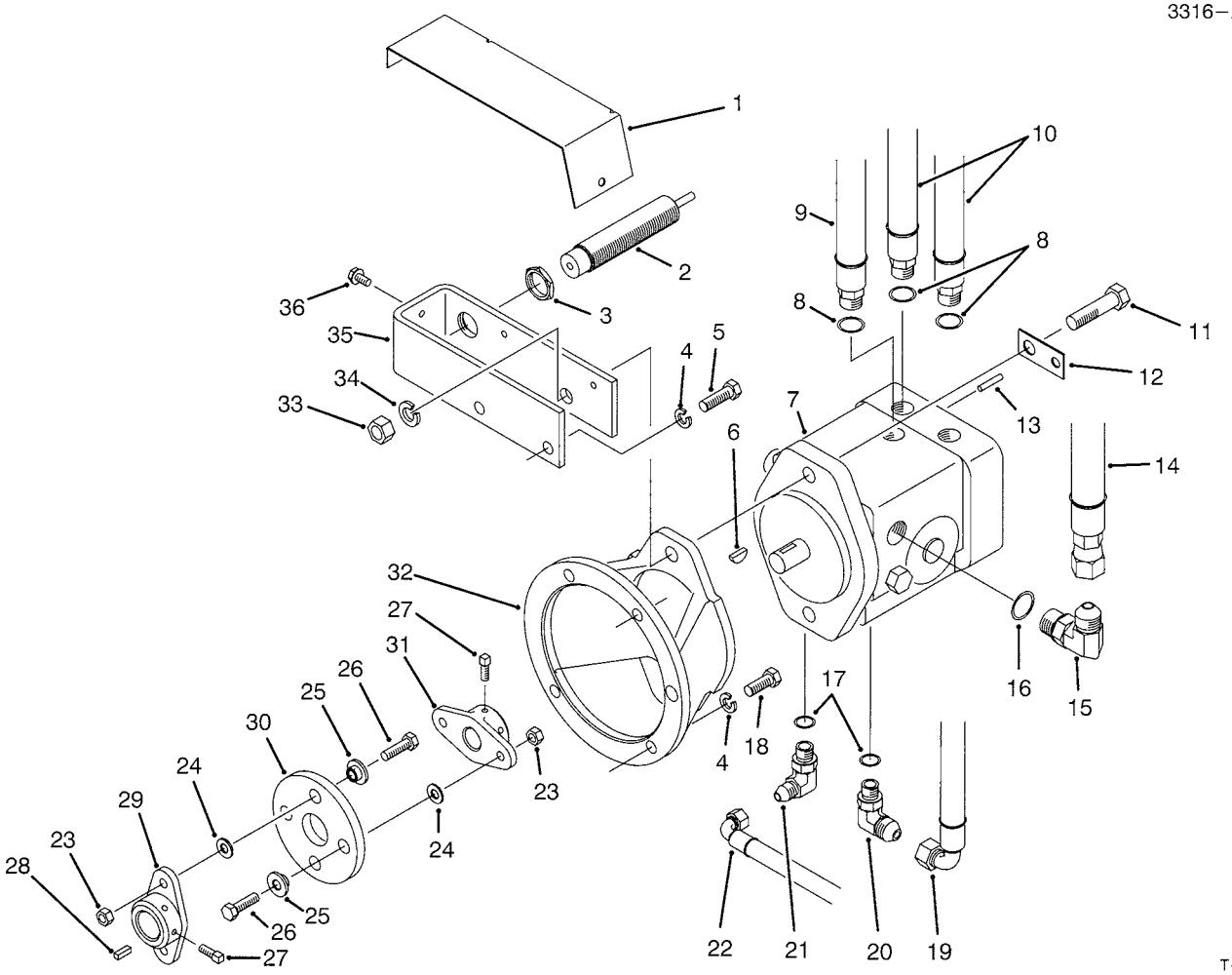
Ref. No.	Part No.	Description	No. Used
9	51–0780	Slider – Seat	1
10	10–9240	Clamp – Seat	2
11	92–1197	Decal – Service	1
12	54–2700	Cushion – Rubber	2
13	92–7170	Base – Seat	1
14	51–0790	Adjuster – Seat	1
15	86–7610	Plate – Seat	1



ENGINE INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	2412–37	Muffler Clamp Assembly	1
2	51–0700	Muffler	1
3	323–7	Screw – Cap Hex. Hd.	1
4	3256–24	Washer – Flat	3
5	86–7440	Wire – Solenoid–Starter	1
6	3296–44	Nut – Lock	1
7	3296–59	Nut – Lock	1
8	49–9580	Bracket – Muffler	1
9	3217–7	Nut – Hex.	5
10	3253–5	Washer – Lock	4
11	86–7450	Wire – Battery–Ground	1
12	3255–9	Washer – Lock ETLW	1
13	61–3230	Spacer – Fuel Filter	1
14	84–8050	Hose – Fuel	1
15	2412–108	Clamp – Hose	3
16	323–9	Screw – Cap Hex. Hd.	1
17	2412–44	Clamp – R	1
18	18–1520	Filter – Fuel	1

Ref. No.	Part No.	Description	No. Used
19	51–0670	Hose – Fuel	1
20	2412–81	Clamp – R	1
21	323–11	Screw – Cap Hex. Hd.	1
22	323–8	Screw – Cap Hex. Hd.	2
23	3256–14	Washer – Flat	6
24	3296–12	Nut – Lock	6
25	3290–378	Tie – Cable	1
26	18–8000	Mount – Rubber	3
27	3290–134	Screw – Cap Hex. Hd.	6
28	49–9500	Base – Engine	1
29	323–12	Screw – Cap Hex. Hd.	2
30	67–1690	Fitting – Fuel 90°	1
31	84–8060	Engine Assembly (Incl. Ref. #32)	1
32	2210–118	Gasket – Exhaust	1
33	49–9550	Pipe – Exhaust	1
34	3253–4	Washer – Lock	2
35	3217–6	Nut – Hex.	2

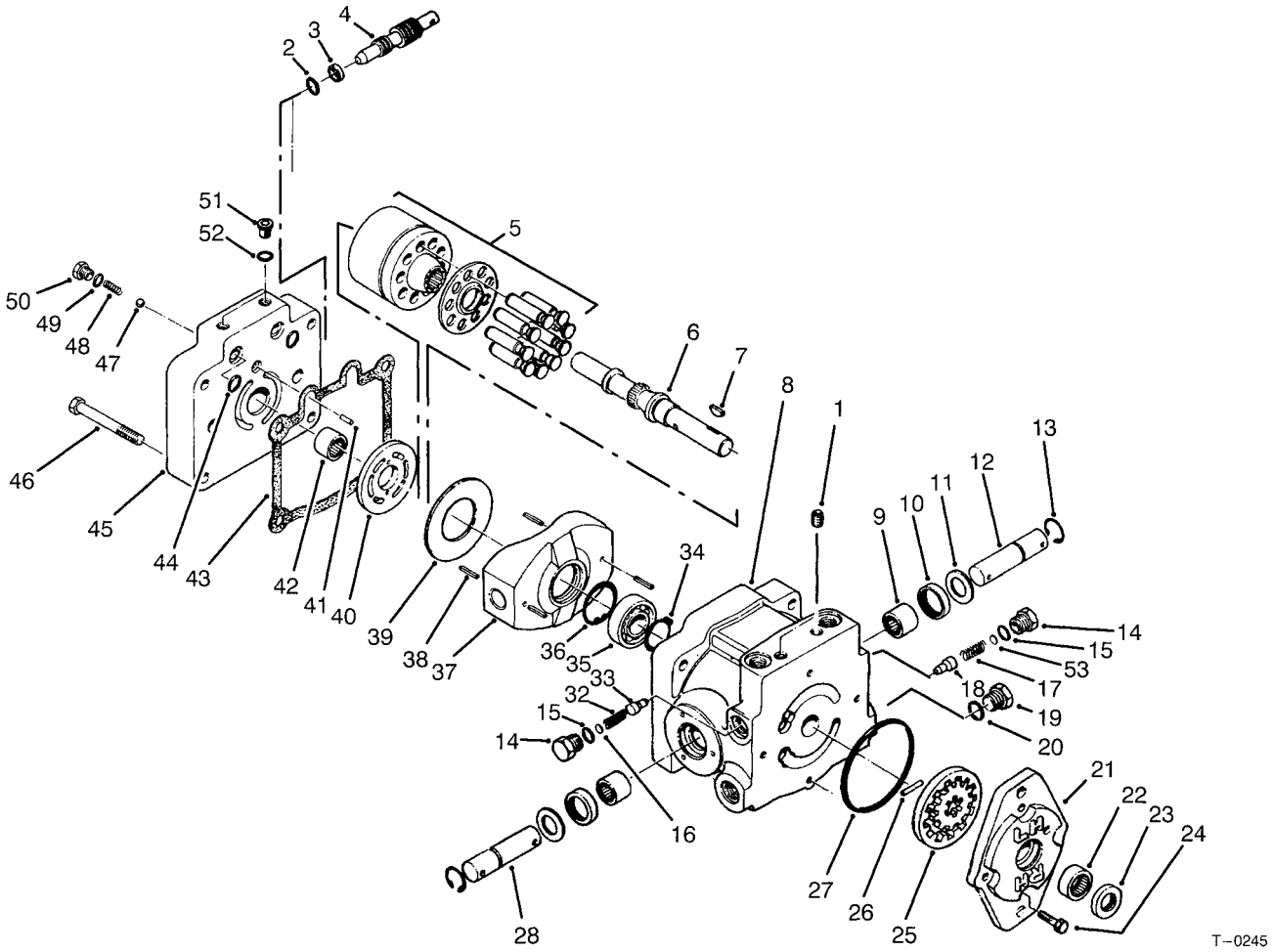


T–1750

HYDRAULIC PUMP INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	86–5070	Shield – Dampener	1
2	86–4970	Dampener – Hydraulic	1
3	86–4980	Nut – Jam	1
4	3253–5	Washer – Lock	4
5	323–7	Screw – Cap Hex. Hd.	2
6	3257–32	Key – Woodruff	1
7	92–8790	Hydraulic Pump Assembly (Incl. Ref. #6)	1
8	237–79	Seal – O–Ring	3
9	21–5360	Hydraulic Hose Assembly (Incl. Ref. #8)	1
10	21–5370	Hydraulic Hose Assembly (Incl. Ref. #8)	2
11	325–8	Screw – Cap Hex. Hd.	2
12	26–2950	Standoff – Wire	1
13	32121–16	Pin – Roll	1
14	53–9470	Hose – Hydraulic	1
15	353–370	Fitting – Hydraulic 90° (Incl. Ref. #16)	1
16	237–80	Seal – O–Ring	1
17	237–42	Seal – O–Ring	2

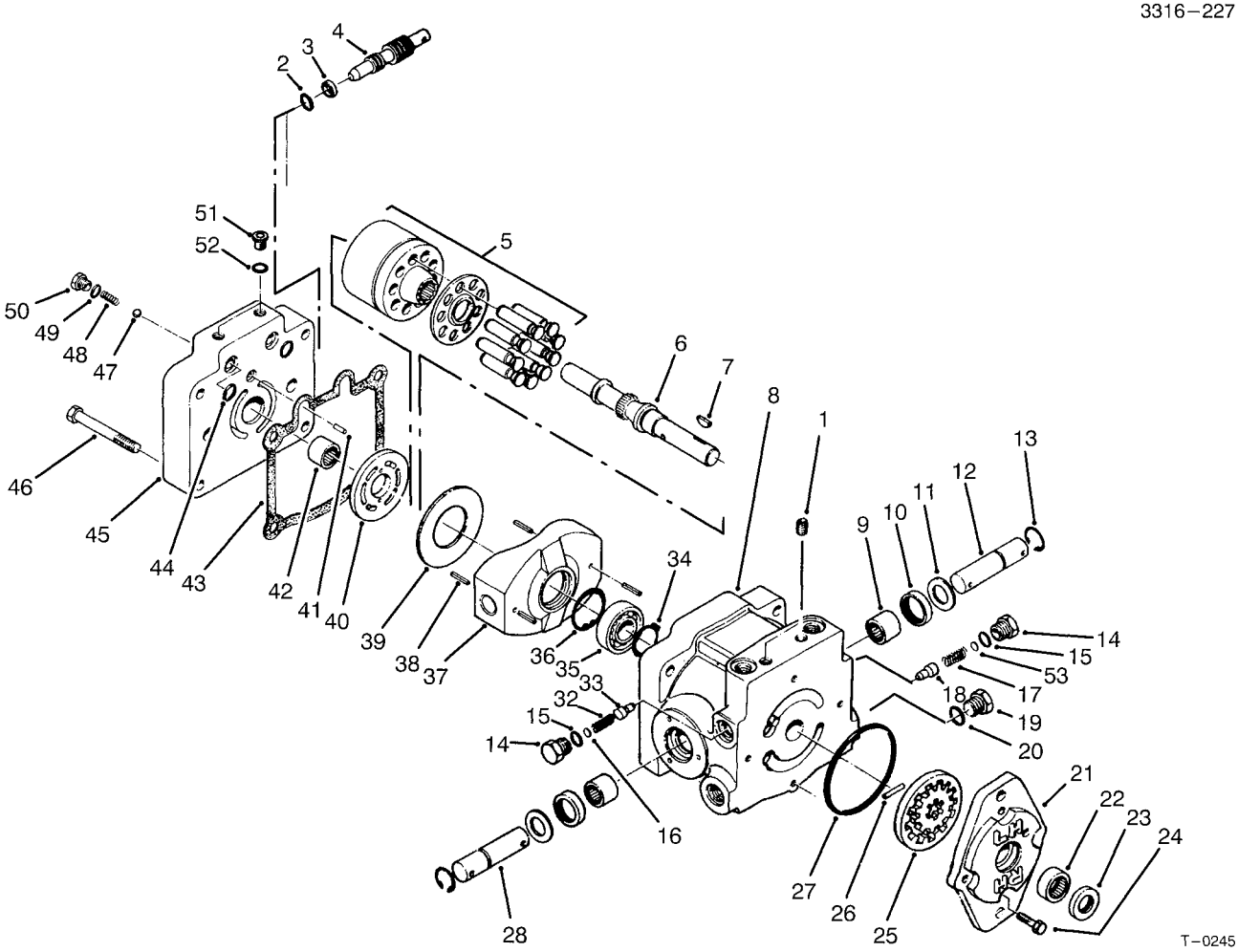
Ref. No.	Part No.	Description	No. Used
18	323–6	Screw – Cap Hex. Hd.	2
19	51–0590	Hose – Hydraulic	1
20	353–511	Fitting – Hydraulic 90° (Incl. Ref. #17)	1
21	353–374	Fitting – Hydraulic 90° (Incl. Ref. #17)	1
22	49–9970	Hose – Hydraulic	1
23	3296–29	Nut – Lock	4
24	3256–23	Washer – Flat	4
25	27–6600	Spacer – Coupler	4
26	322–16	Screw – Cap Hex. Hd.	4
27	3241–5	Screw – Square Hd. Set	4
28	10–7070	Key – Square	1
29	27–1960	Hub – Engine	1
30	44–2230	Coupling – Rubber	1
31	49–9600	Hub – Pump	1
32	37–8030	Mount – Pump	1
33	3217–9	Nut – Lock	2
34	3253–7	Washer – Lock	2
35	86–4920	Bracket – Dampener	1
36	46–8560	Screw – Hex. Flange Hd.	3



HYDRAULIC PUMP ASSEMBLY NO. 92–8790

Ref. No.	Part No.	Description	No. Used
1	285–17	Plug – Pipe	2
2	237–22	O–Ring	1
3	25–2630	Ring	1
4	88–8220	Valve – By–Pass	1
5	25–2600	Kit – Cylinder Block	1
6	67–8020	Shaft – Pump	1
7	3257–32	Key – Woodruff	1
8	54–7890	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	28–3670	Shaft – Trunion	1
13	32151–46	Ring – Retaining	2
14	25–2460	Plug	2
15	237–86	O–Ring	2
16	49–7840	Kit – Shim Pack	2
17	25–2570	Spring – Relief Valve	1
18	83–7260	Cone – Relief Valve	1
19	88–8210	Plug – Standard Thread	1
20		O–Ring	1
21	25–2690	Housing – Charge Pump	1
22	67–8050	Bearing – Needle	1
23	67–8060	Seal – Lip	1
24	322–4	Screw – Cap, Hex. Hd.	4
25	25–2680	Assembly – Gerator	1

Ref. No.	Part No.	Description	No. Used
26	25–2530	Pin – Straight	1
27	237–95	O–Ring	1
28	49–8480	Shaft – Trunion	1
32	25–2480	Spring – Charge Relief	1
33	83–7260	Cone – Relief Valve	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	3
39	25–2380	Plate – Thrust	1
40	25–2390	Plate – Valve	1
41	25–2430	Pin – Straight	1
42	46–8400	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	Ball – Check Valve	2
48	25–2640	Spring – Valve Check	2
49	237–86	O–Ring	2
50	25–2650	Plug – Check Valve	2
51	92–8776	Plug Assembly (Incl. Ref. #52)	2
52	92–8777	Seal – O–Ring	2



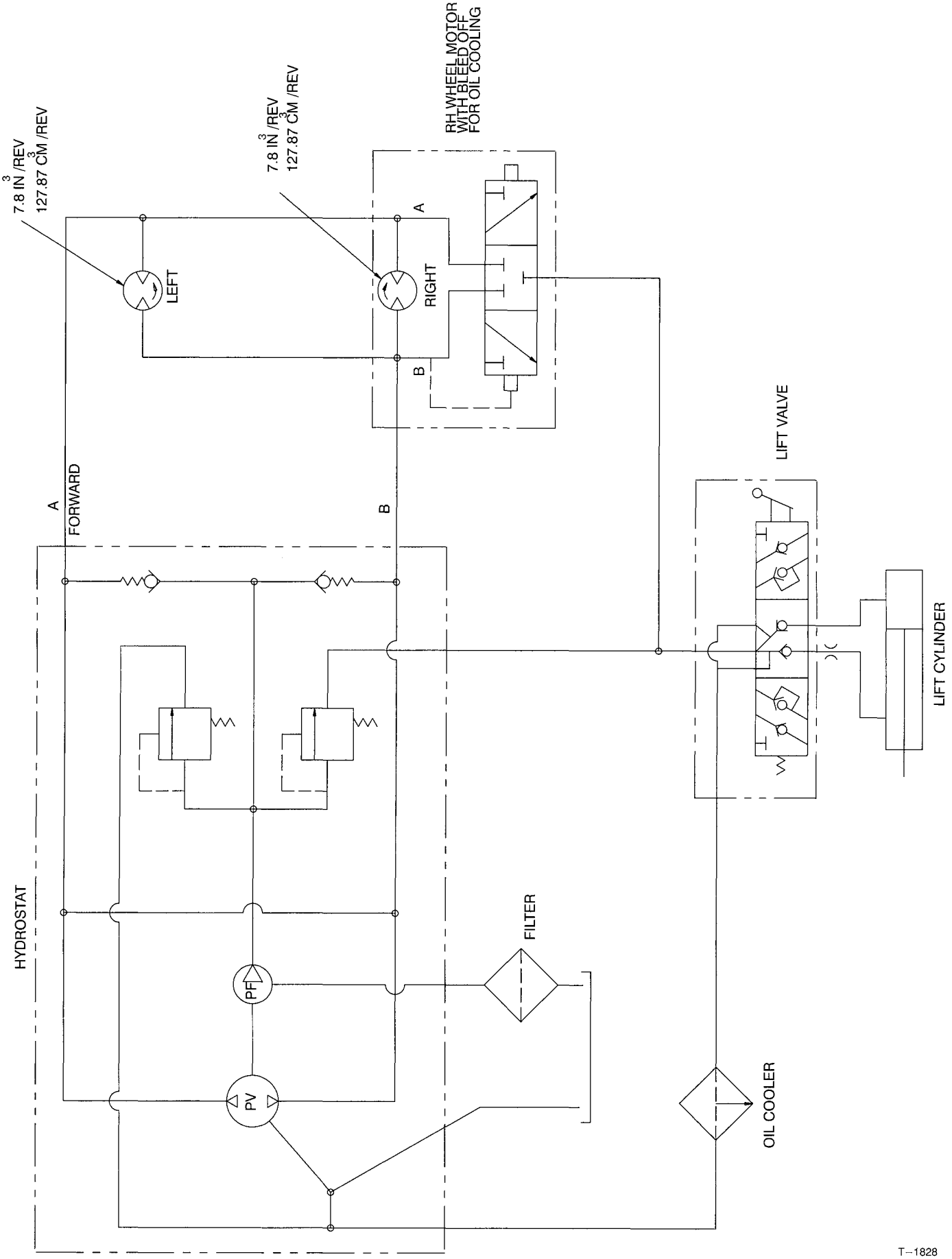
HYDRAULIC PUMP ASSEMBLY NO. 92–8790 (Continued)

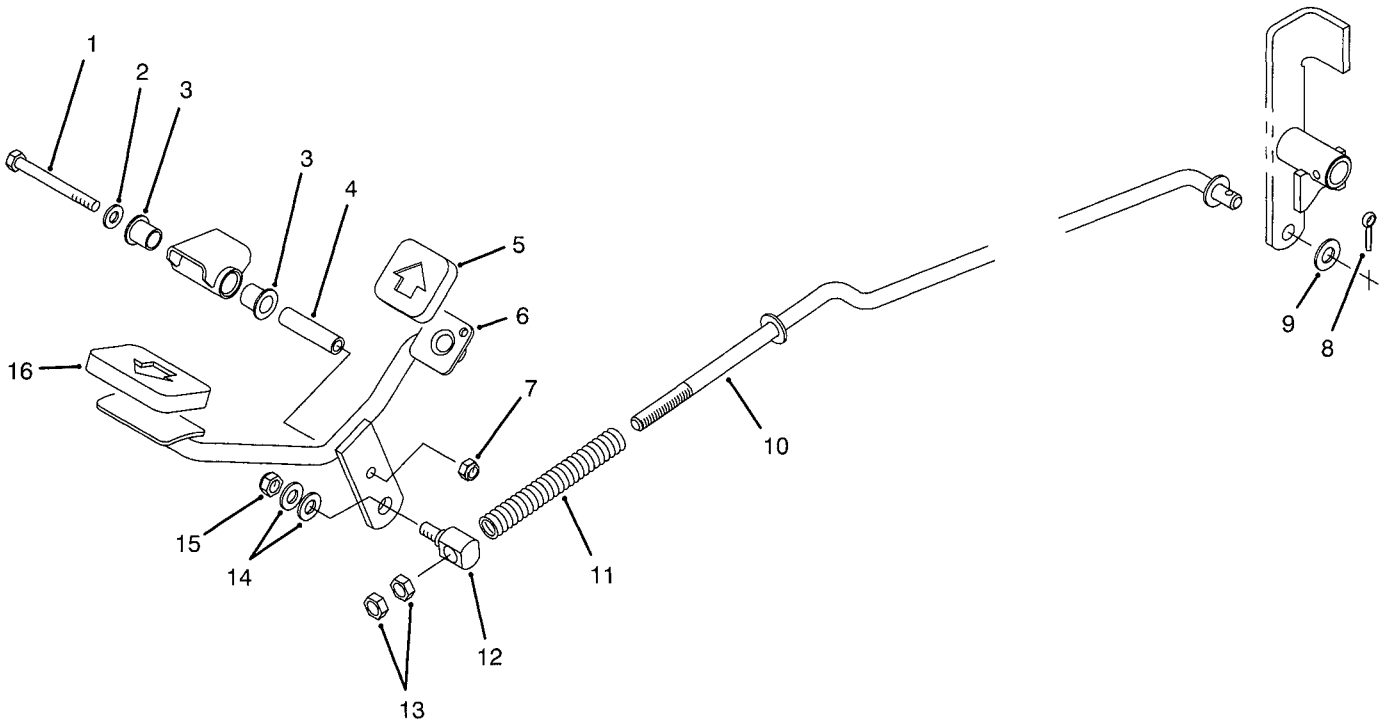
Ref. No.	Part No.	Description	No. Used
53	49–8470	Kit – Shim–Pack	2
*	25–3180	Kit – Check Valve (Incl. Ref. #47–50)	1
*	49–8510	Kit – Charge Relief Valve (Incl. Ref. #14–16 & 32–33)	1

Ref. No.	Part No.	Description	No. Used
*	49–8520	Kit – Implement Relief (Incl. Ref. #14–18)	1
*	25–3220	Kit – Charge Pump (Incl. Ref. #21–27)	1

*Not Illustrated

HYDRAULIC SCHEMATIC



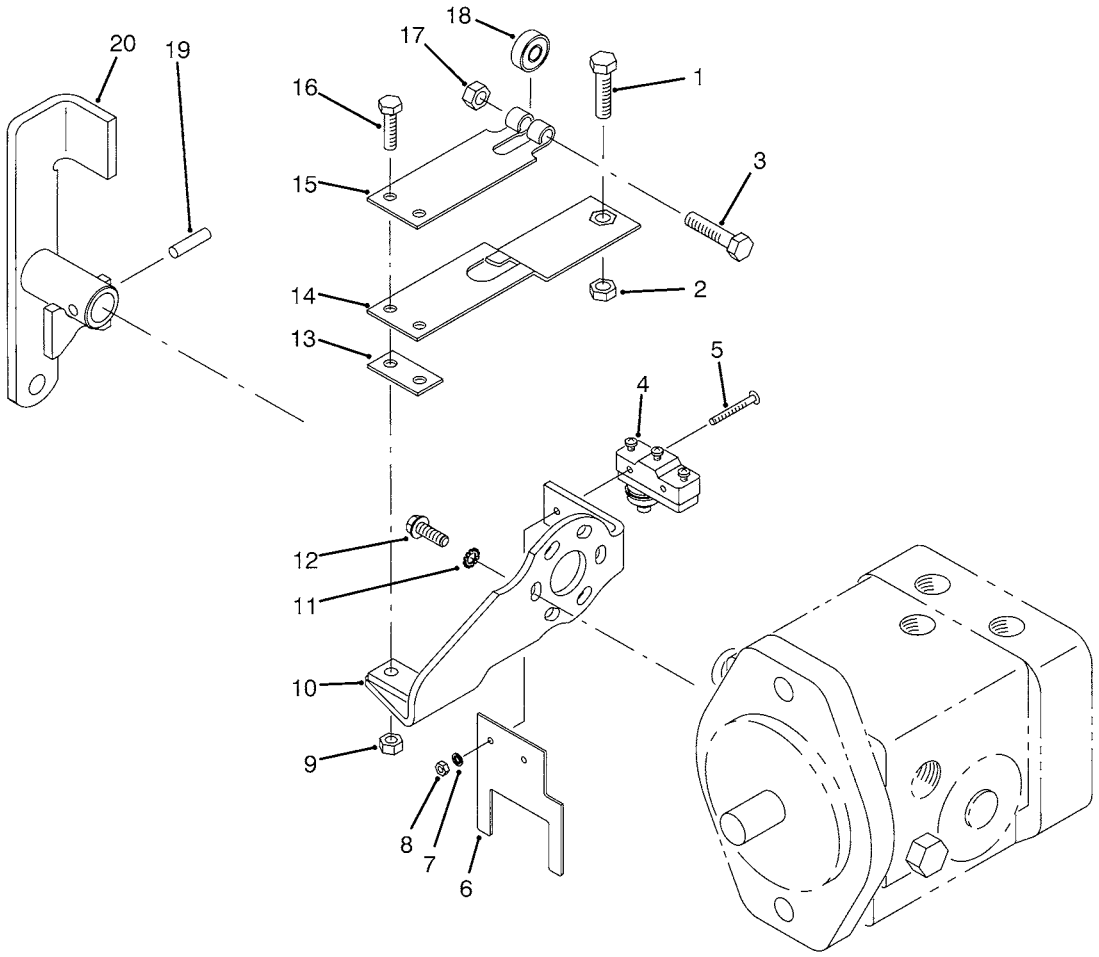


T–1751

TRACTION PEDAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	322–14	Screw – Cap Hex. Hd.	1
2	3256–23	Washer – Flat	1
3	256–219	Bushing – Flange	2
4	85–8960	Spacer	1
5	74–9110	Pad – Reverse Pedal	1
6	92–2343	Pedal – Traction	1
7	3296–29	Nut – Lock	1
8	3272–16	Pin – Cotter	1

Ref. No.	Part No.	Description	No. Used
9	3256–25	Washer – Flat	1
10	92–7153	Rod – Traction	1
11	38–0860	Spring – Compression	1
12	92–2344	Stud – Adjuster	1
13	3220–4	Nut – Jam	2
14	3256–24	Washer – Flat	2
15	3296–39	Nut – Lock	1
16	74–9100	Pad – Forward Pedal	1

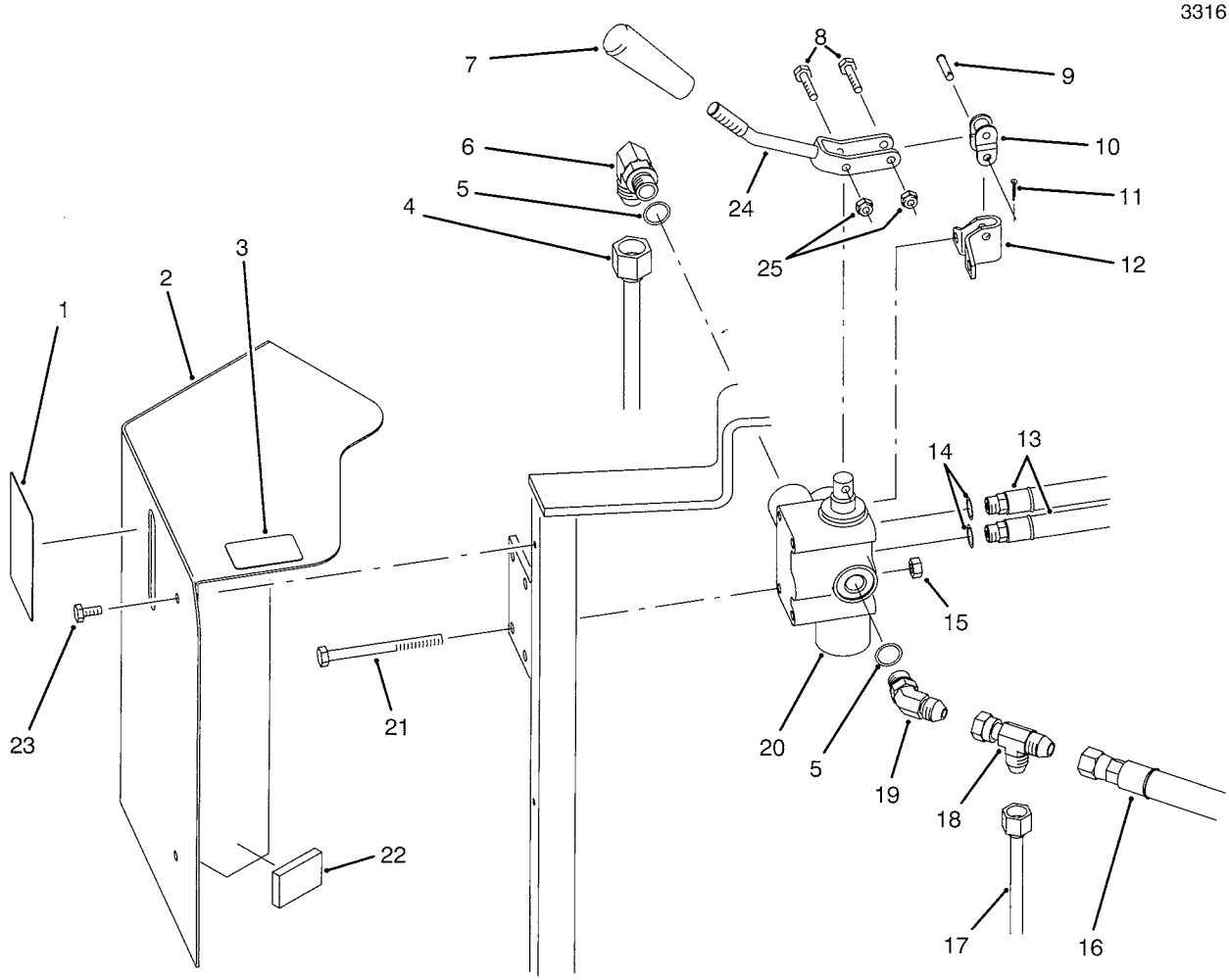


T–1752

NEUTRAL SYSTEM ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3210–7	Screw – Cap Hex. Hd.	1
2	3219–2	Nut – Hex.	1
3	322–17	Screw – Cap Hex. Hd.	1
4	29–6162	Switch – Neutral	1
5	3249–11	Screw – Round Hd.	2
6	46–8810	Stop – Leaf Spring	1
7	3254–9	Washer – Lock ITLW	2
8	3217–16	Nut – Hex.	2
9	3296–42	Nut – Lock	2
10	29–6120	PLate – Pump	1

Ref. No.	Part No.	Description	No. Used
11	3255–7	Washer – Lock ETLW	3
12	49–2040	Screw – Self Tapping	3
13	51–3150	Shim – Spring	1
14	29–6170	Leaf Spring Assembly	1
15	29–6150	Spring – Leaf	1
16	321–6	Screw – Cap Hex. Hd.	2
17	3296–29	Nut – Lock	1
18	251–259	Bearing – Ball	1
19	32121–24	Pin – Roll	1
20	86–5000	Lever – Pump	1

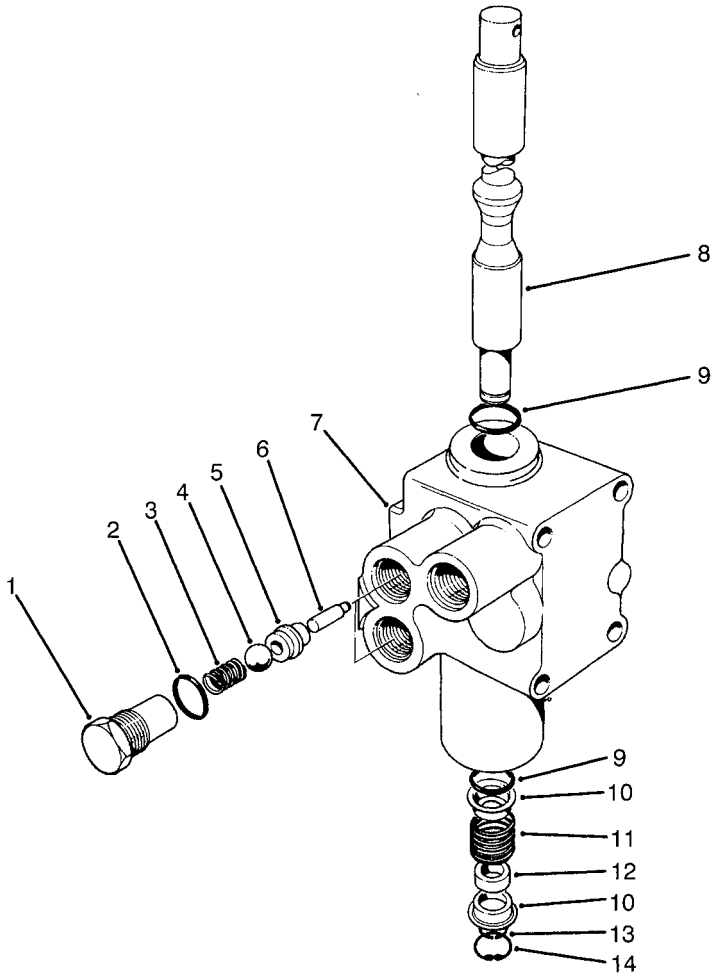


T–1753

LIFT VALVE INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	80–1910	Decal – Lift	1
2	84–8170	Shroud – Lift Valve	1
3	63–8440	Decal – Hot Surface	1
4	92–7151	Tube – Hydraulic	1
5	237–42	Seal – O–Ring	2
6	353–511	Fitting – Hydraulic 90° (Incl. Ref. #5)	1
7	233–39	Knob – Lift Valve	1
8	3290–360	Screw – Cap Hex. Hd.	2
9		Pin – Clevis	1
10	2710–20	Offset Link Assembly (Incl. Ref. #9 & 11)	1
11		Pin – Cotter	1
12	88–8480	Bracket – Pivot	1

Ref. No.	Part No.	Description	No. Used
13	22–4670	Hydraulic Hose Assembly (Incl. Ref. #14)	2
14	237–78	Seal – O–Ring	2
15	3296–42	Nut – Lock	4
16	51–0590	Hose – Hydraulic	1
17	51–0620	Tube – Hydraulic	1
18	353–877	Fitting – Hydraulic Tee	1
19	353–212	Fitting – Hydraulic 90° (Incl. Ref. #5)	1
20	43–1950	Lift Valve Assembly	1
21	321–23	Screw – Cap Hex. Hd.	4
22	55–4450	Bumper – Rubber	1
23	32104–76	Screw – Cap Hex. Hd.	2
24	85–8900	Lever – Lift	1
25	3296–2	Nut – Lock	2

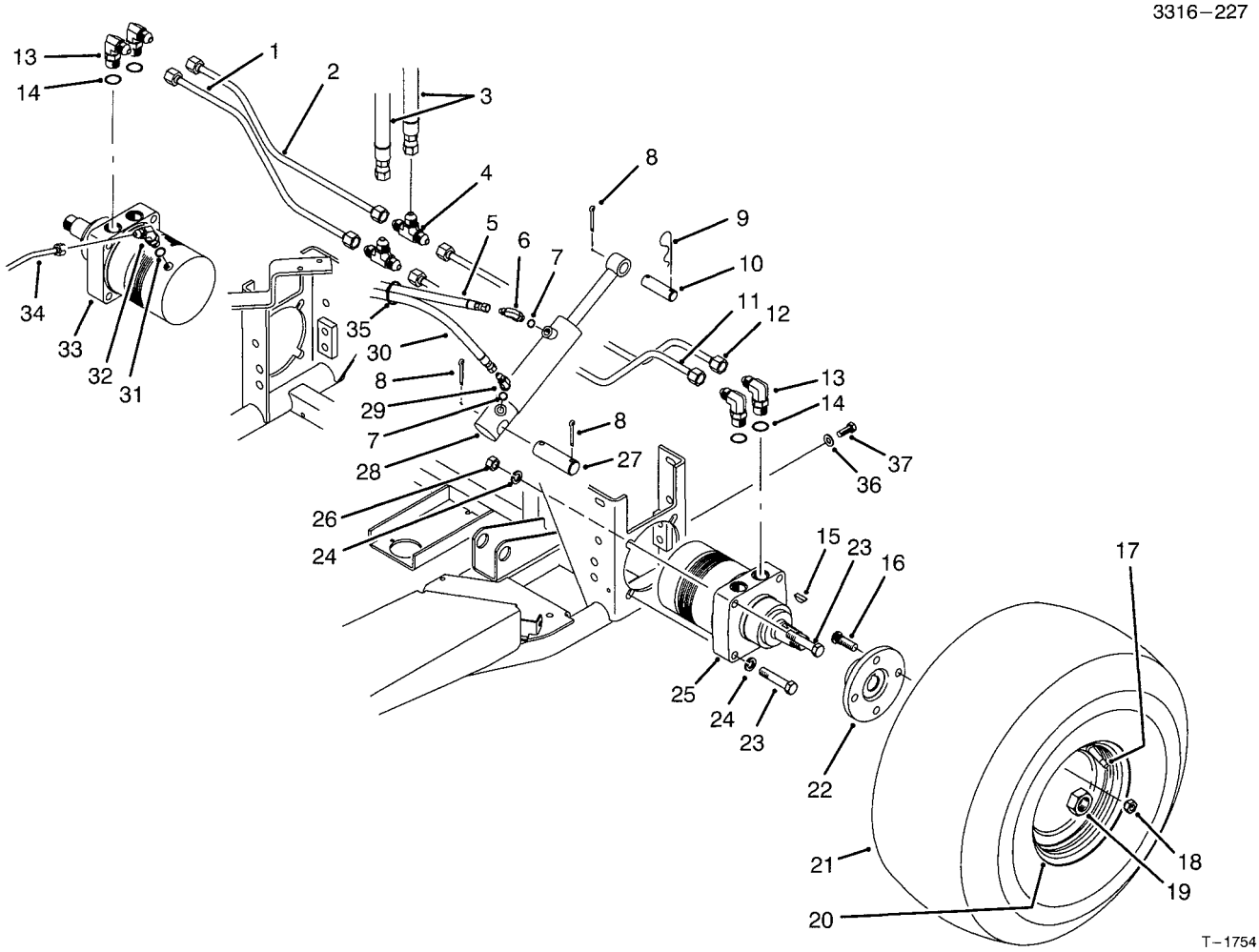


T–0236

HYDRAULIC LIFT VALVE ASSEMBLY 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

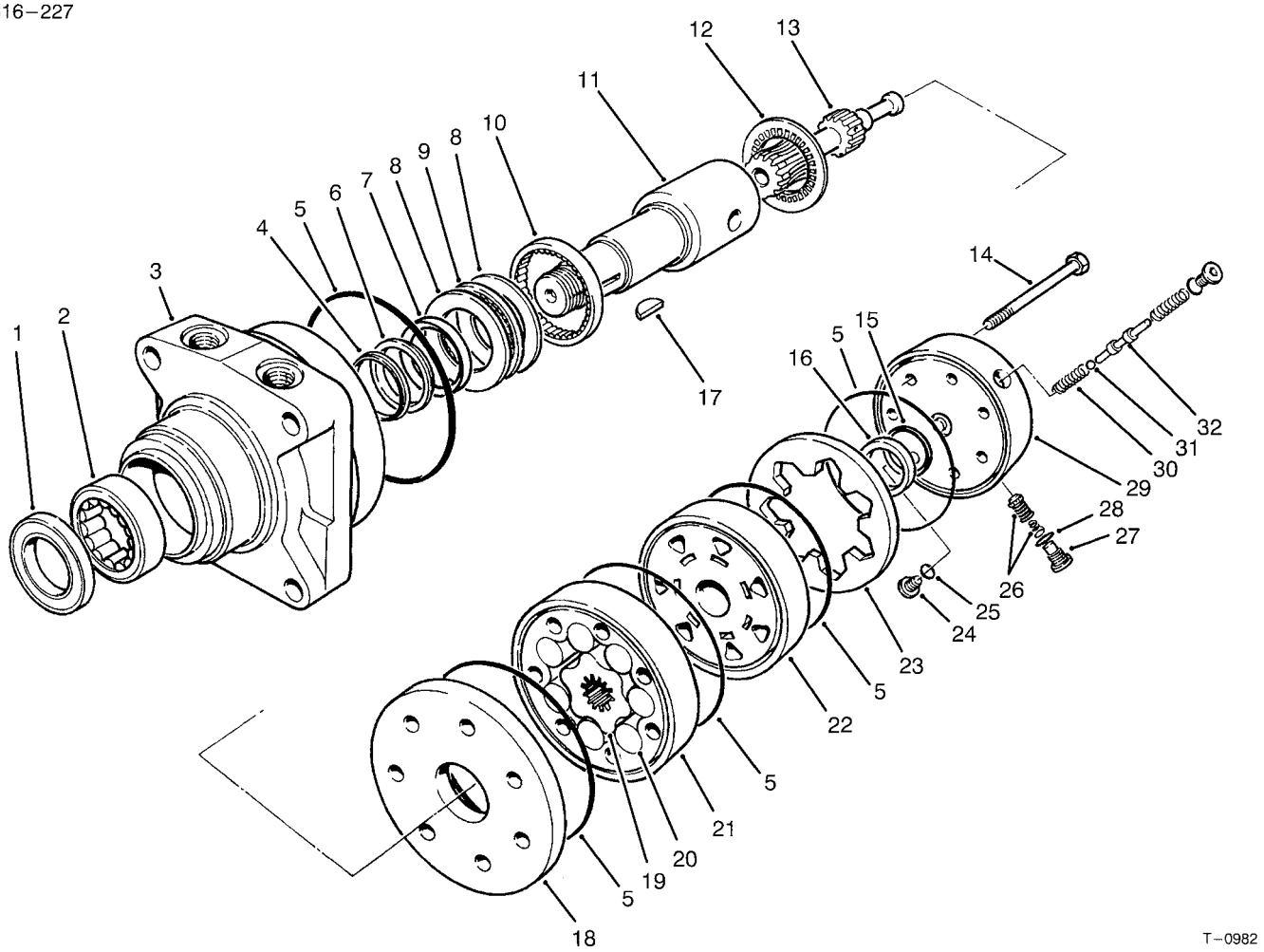
Ref. No.	Part No.	Description	No. Used
8	22–8420	Spool	1
9	22–8500	O–Ring	2
10	22–8380	Retainer – Spring	2
11	22–8410	Spring	1
12	23–3030	Spacer	1
13	22–8480	Ring – Spool Retaining	1
14	22–8490	Ring – Retaining	1



REAR WHEEL DRIVE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	84–7850	Tube – Hydraulic	1
2	84–7860	Tube – Hydraulic	1
3	21–5370	Hose – Hydraulic	2
4	353–424	Fitting – Hydraulic Tee	2
5	22–4670	Hose – Hydraulic	1
6	354–132	Fitting Hydraulic 90° (Incl. Ref. #7)	1
7	237–78	Seal – O–Ring	2
8	3272–23	Pin – Cotter	3
9	3290–256	Pin – Hair	1
10	18–7310	Pin – Cylinder	1
11	18–6710	Tube – Hydraulic	1
12	18–6720	Tube – Hydraulic	1
13	353–426	Fitting Hydraulic 90° (Incl. Ref. #14)	4
14	237–79	Seal – O–Ring	4
15	3257–42	Key – Woodruff	2
16	10–6830	Stud – Drive	8
17	232–35	Valve – Stem	2
18	242–50	Nut – Lug	8
19	26–3790	Nut – Lock	2
20	46–4810	Rim – Wheel	2

Ref. No.	Part No.	Description	No. Used
21	28–1070	Tire	2
22	17–4710	Hub – Wheel	2
23	325–10	Screw – Cap Hex. Hd.	8
24	3253–7	Washer – Lock	8
25	75–9831	Hydraulic Motor Assembly (Incl. Ref. #15)	1
26	3217–9	Nut – Hex.	8
27	18–7160	Pin – Cylinder	1
28	83–7000	Hydraulic Cylinder Assembly	1
29	353–431	Fitting – Hydraulic 45° (Incl. Ref. #7)	1
30	22–4670	Hose – Hydraulic	1
31	237–42	Seal – O–Ring	1
32	353–212	Fitting – Hydraulic 45° (Incl. Ref. #31)	1
33	75–9840	Hydraulic Motor Assembly (Incl. Ref. #15)	1
34	51–0620	Tube – Hydraulic	1
35	3290–378	Tie – Cable	1
36	325–5	Screw – Cap Hex. Hd.	4
37	3256–26	Washer – Flat	4

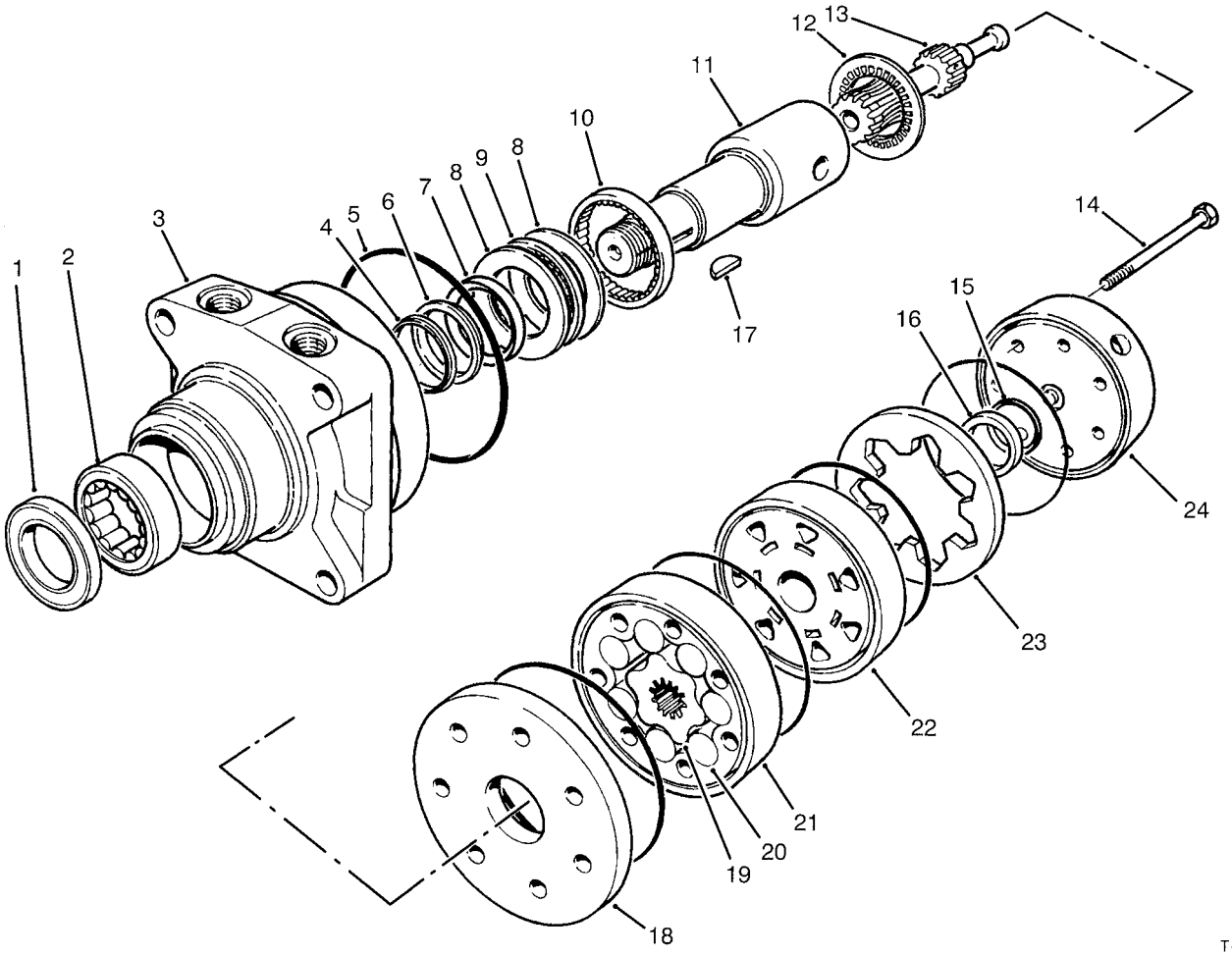


HYDRAULIC DRIVE MOTOR RIGHT REAR NO. 75–9840

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



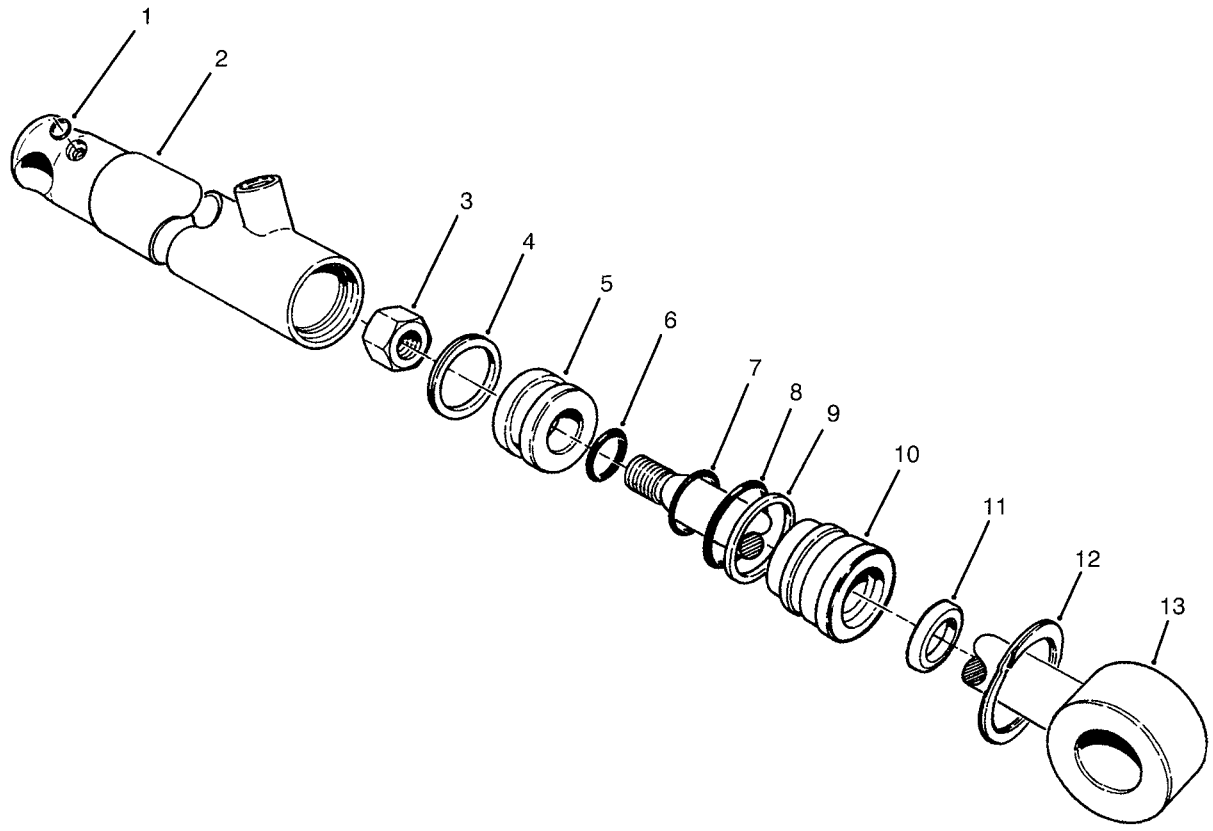
T–0983

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



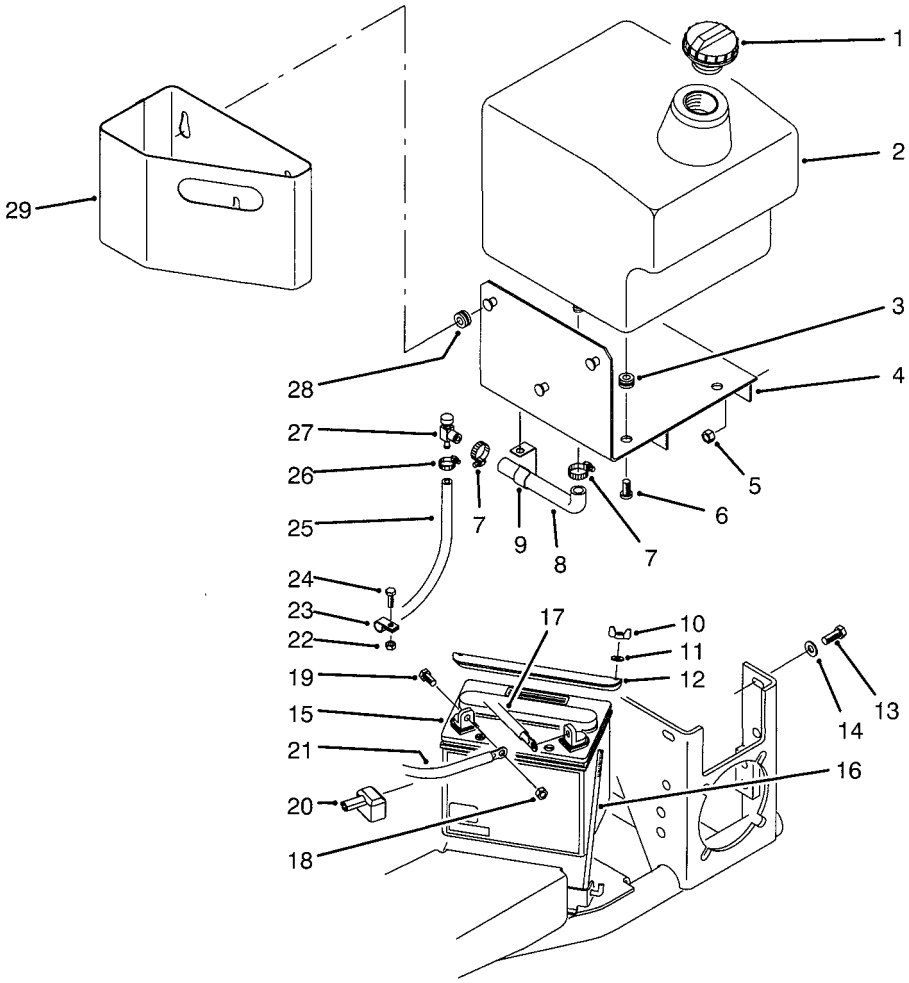
T–0217

HYDRAULIC CYLINDER ASSEMBLY NO. 83–7000

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

Ref. No.	Part No.	Description	No. Used
9		Back–Up	1
10	70–2770	Head	1
11		Seal – Dust	1
12	43–5220	Ring – Retaining	1
13	43–5230	Shaft with Clevis	1
*	83–7250	Kit – Seal Repair (Incl. Ref. #4, 6–9 & 11)	1

*Not Illustrated

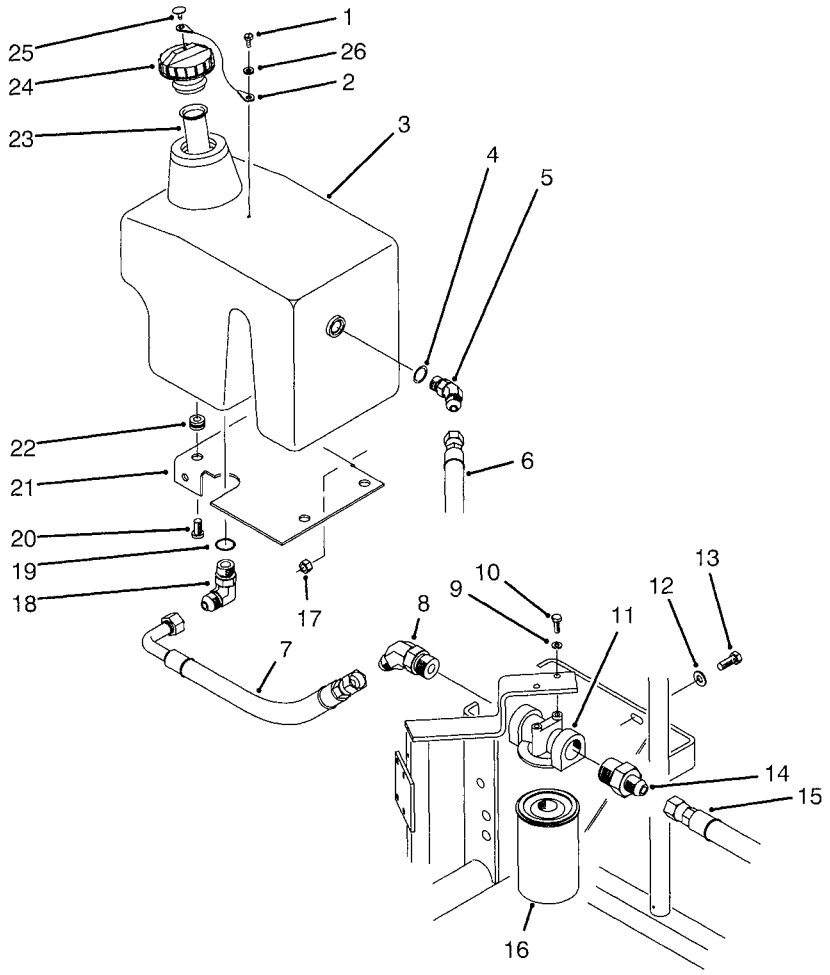


T–1755

FUEL TANK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	70–8631	Cap – Fuel	1
2	92–7186	Tank – Fuel	1
3	237–136	Grommet	4
4	84–8110	Base – Fuel Tank	1
5	3296–39	Nut – Lock	3
6	3250–36	Screw – Phillips Hd.	4
7	2412–36	Clamp – Hose	2
8	92–7152	Hose – Fuel	1
9	92–7160	Clip – Fuel Hose	1
10	32103–12	Nut – Wing	2
11	3256–22	Washer – Flat	2
12	92–5018	Clamp – Battery	1
13	323–6	Screw – Cap Hex. Hd.	3
14	3256–24	Washer – Flat	3
15	92–1678	Battery	1

Ref. No.	Part No.	Description	No. Used
16	56–7720	Bolt – Battery	2
17	86–7450	Wire – Battery–Ground	1
18	3296–29	Nut – Lock	2
19	322–3	Screw – Cap Hex. Hd.	2
20	28–8080	Boot – Terminal	1
21	86–7570	Wire – Battery–Solenoid	1
22	3296–42	Nut – Lock	1
23	2412–73	Clamp – R	1
24	3274–69	Screw – Hex. Button Hd.	1
25	84–8050	Hose – Fuel	1
26	2412–108	Clamp – Hose	1
27	56–2520	Fitting – Fuel Shut–Off	1
28	240–9	Grommet	3
29	86–7640	Box – Litter	1

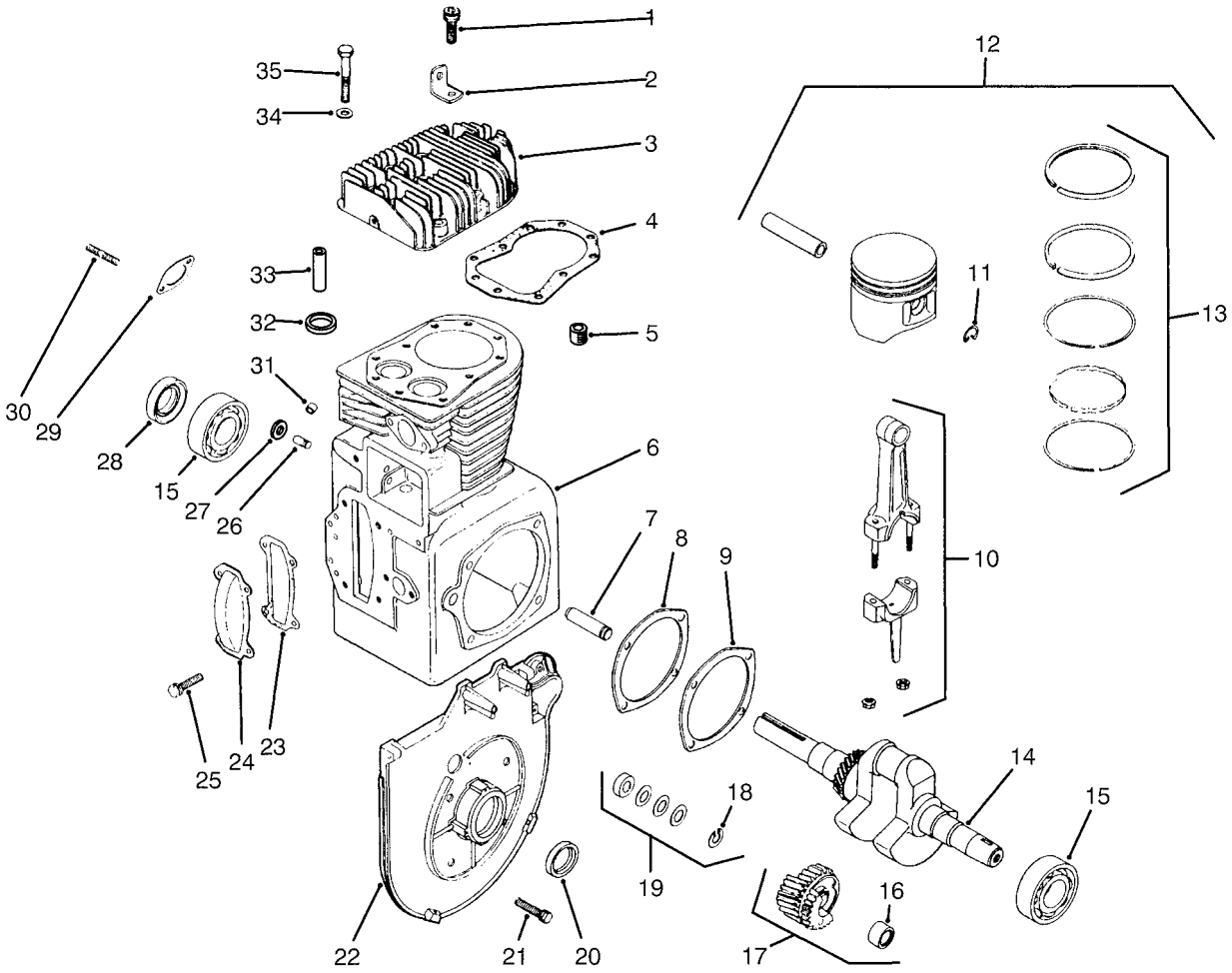


T–1756

HYDRAULIC OIL RESERVOIR & FILTER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	32105–13	Screw – Hex. Hd.	1
2	75–0540	Tether – Oil Cap	1
3	92–7187	Reservoir – Hydraulic Oil	1
4	237–79	Seal – O–Ring	1
5	353–379	Fitting – Hydraulic 45° (Incl. Ref. #4)	1
6	21–5360	Hose – Hydraulic	1
7	85–6570	Hose – Hydraulic	1
8	353–535	Fitting – Hydraulic 45°	1
9	3253–3	Washer – Lock	2
10	321–4	Screw – Cap Hex. Hd.	2
11	43–8590	Head – Hydraulic Filter	1
12	3256–24	Washer – Flat	3
13	323–6	Screw – Cap Hex. Hd.	3
14	353–506	Fitting – Hydraulic Straight	1

Ref. No.	Part No.	Description	No. Used
15	53–9470	Hose – Hydraulic	1
16	23–9740	Element – Hydraulic Filter	1
17	3296–39	Nut – Lock	3
18	353–370	Fitting – Hydraulic 90° (Incl. Ref. #19)	1
19	237–80	Seal – O–Ring	1
20	3250–36	Screw – Phillips Hd.	4
21	84–8160	Base – Hydraulic Tank	1
22	237–136	Grommet	4
23	92–1705	Screen – Filter	1
24	86–4870	Oil Cap Assembly (Incl. Ref. #2 & 25)	1
25	2410–73	Retainer – Tether	1
26	3256–22	Washer – Flat	1



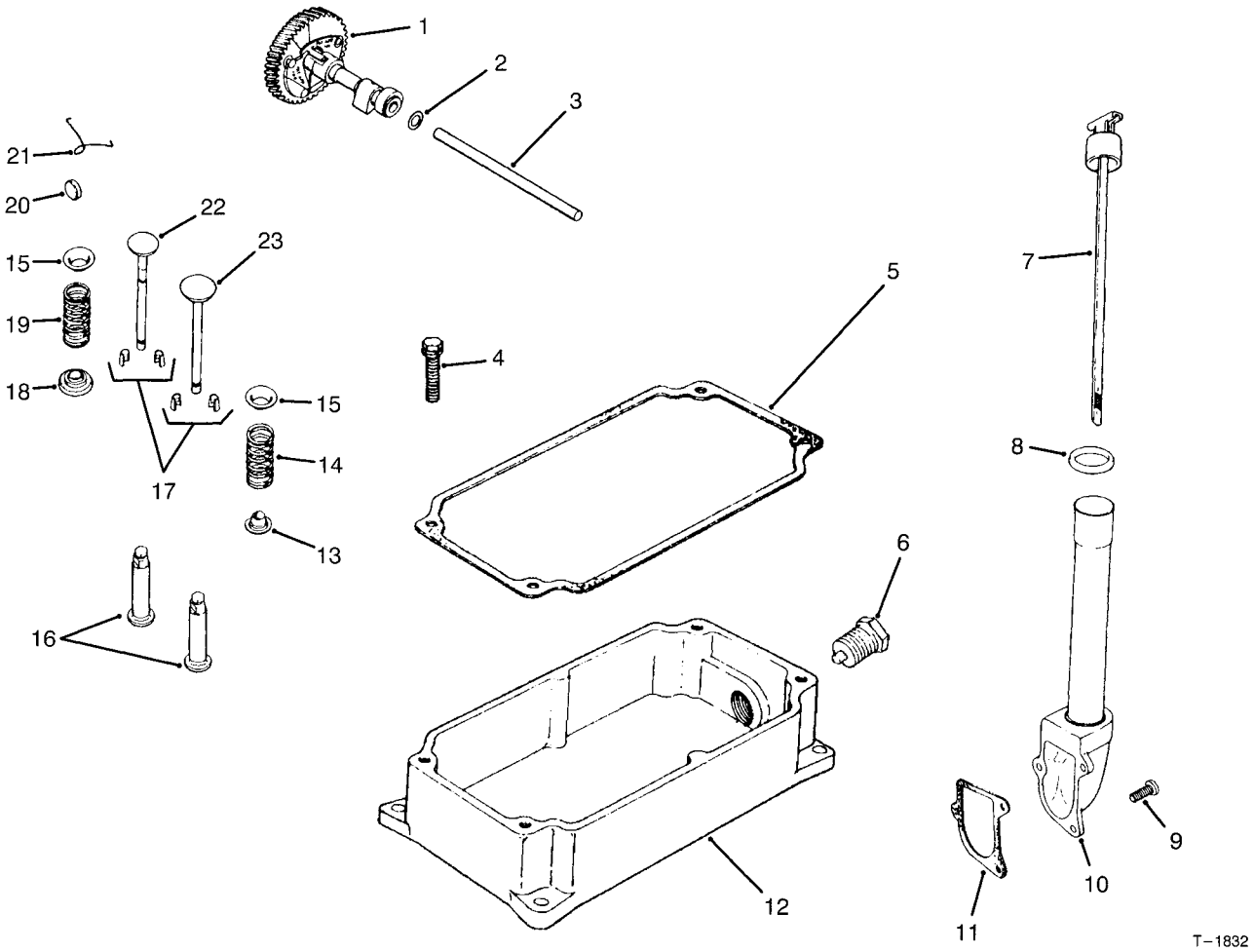
T-1831

ENGINE KOHLER MODEL M12S SPEC. NO. 471580

Ref. No.	Part No.	Description	No. Used
1	47 086 17	Screw – Hex. Soc. Hd.	1
2	47 445 02	Strap – Lifting	1
3	47 015 06	Head – Cylinder	1
4	47 041 15	Gasket – Head	1
5	47 139 01	Plug – Hex. Countersunk	2
6	47 782 71	Short Block Assembly	1
7	236559	Shaft – Gear Stub	2
8	47 422 05	Gasket – Shim	A/R
9	47 041 09	Gasket – Plate, Bearing	1
10	45 067 24	Rod – Connecting (Std).	1
	45 067 25	Rod – Connecting (.010)	1
11	47 018 01	Retainer – Piston Pin	2
12	47 874 16	Piston w/Ring Set (Std.)	1
	47 874 17	Piston w/Ring Set (.003)	1
	47 874 18	Piston w/Ring Set (.010)	1
	47 874 19	Piston w/Ring Set (.020)	1
	47 874 20	Piston w/Ring Set (.030)	1
13	47 108 01	Ring Set – (Std. & .003)	1
	47 108 02	Ring Set – (.010)	1
	47 108 03	Ring Set – (.020)	1
	47 108 04	Ring Set – (.030)	1
14	47 142 22	Crankshaft Kit	1
15	235376	Bearing – Ball	2
16	47 030 01	Bearing – Needle	2

Ref. No.	Part No.	Description	No. Used
17	45 043 03	Assembly – Gear (Incl. Ref. #16)	2
18	X–269–34	Retainer	2
19	47 755 01	Kit – Spacer (Incl. Ref. #18)	1
20	47 032 06	Seal – Front, Oil	1
21	X–159–2	Screw – Hex. Cap	4
22	47146 11	Plate – Bearing	1
23	235025	Gasket – Cover	1
24	235026	Cover – Camshaft	1
25	X–231–6	Screw – Hex. Cap	4
26	235125–S	Shaft – Gear, Governor	1
27	X–230–11	Plug – Expansion	1
28	47 032 07	Seal – Rear, Oil	1
29	235122	Gasket – Flange, Exhaust	2
30	41 072 19	Stud	2
31	238466	Bearing – Shaft, Governor	1
32	230170	Insert – Valve, Exhaust	1
33	235007–S	Guide – Valve	2
34	270889	Washer – Plain	9
35	270158	Screw – Hex. Cap	8
*	47 755 27	Gasket Set w/Seals	1
*	47 004 02	Gasket Set w/o Seals	1

*Not Illustrated

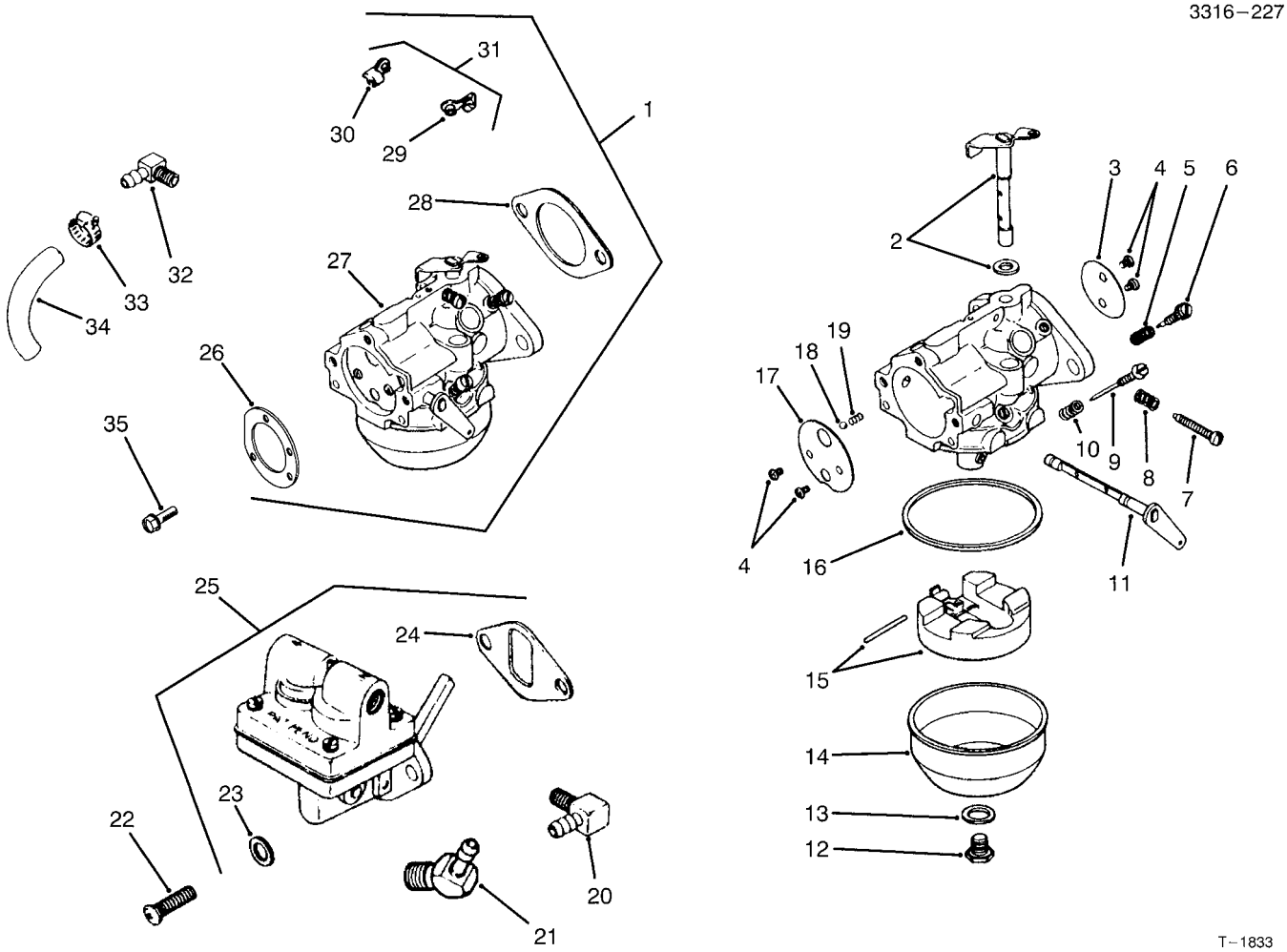


ENGINE KOHLER MODEL M12S SPEC. NO. 471580 (Cont.)

Ref. No.	Part No.	Description	No. Used
1	47 010 11	Camshaft Assembly (Incl. Ref. #21)	1
2	275066	Spacer .005	A/R
	270567	Spacer .010	A/R
3	47 380 09	Pin – Camshaft	1
4	X–159–3	Screw – Hex. Cap	4
5	235057	Gasket – Oil Pan	1
6	X–305–4	Plug – Hex. Hd.	1
7	47 038 26	Dipstick	1
8	41 153 01	O–Ring	1
9	X–131–2	Screw – Flat Hd.	3
10	47 029 06	Adapter – Oil Fill	1
11	237064	Gasket – Oil Fill	1

Ref. No.	Part No.	Description	No. Used
12	235147	Pan – Oil	1
13	230011	Retainer – Spring	1
14	235010	Spring – Intake Valve	1
15	235011	Retainer – Spring	2
16	D–235327	Tappet	2
17	41 755 10	Kit – Retainer	2
18	52 413 01	Rotator – Valve	1
19	235168	Spring – Exhaust Valve	1
20	X–702–3	Plug – Cup	1
21	47 089 01	Spring – Actuating	1
22	235838	Valve – Exhaust	1
23	235008	Valve – Intake	1

*Not Illustrated



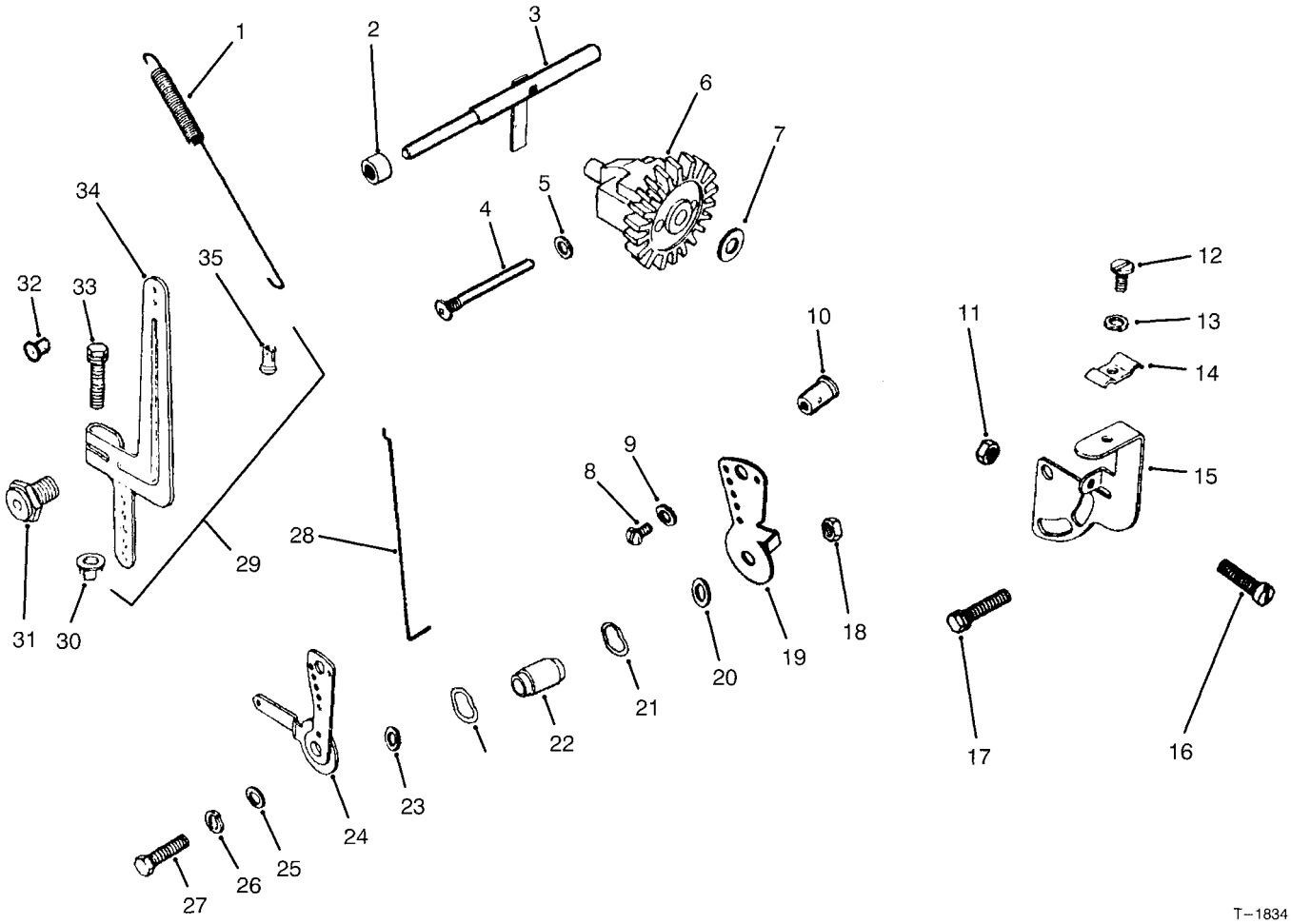
T–1833

ENGINE KOHLER MODEL M12S SPEC. NO. 471580 (Cont.)

Ref. No.	Part No.	Description	No. Used
1	47 853 20	Kit – Adj. Jet W/linkage (Incl. Ref. #26–31)	1
2	47 144 21	Shaft – W/Seal	1
3	47 146 08	Plate – Choke	1
4	25 086 27	Screw – Throttle & Choke	4
5	25 089 02	Spring – Idle Fuel	1
6	25 368 01	Needle – Idle Fuel Adj.	1
7	25 086 26	Screw – Idle Speed Adj.	1
8	25 089 04	Spring – Idle Speed	1
9	25 368 03	Needle – Main Fuel	1
10	25 089 02	Spring – Main Fuel	1
11	47 090 38	Lever – Choke	1
12	25 100 05	Screw – Bowl Retainer	1
13	25 041 03	Gasket – Bowl Ret. Screw	1
14	25 104 01	Bowl – Fuel	1
15	25 757 09	Kit – Float	1
16	25 041 04	Gasket – Bowl	1
17	25 146 02	Plate – Throttle	1
18	25 194 01	Ball – Choke Friction	1
19	25 089 03	Spring – Choke Friction	1

Ref. No.	Part No.	Description	No. Used
20	25 155 02	Connector – 90°	2
21	47 155 12	Connector – Hose	1
22	X–174–2	Screw – F.H.M.	2
23	X–25–63	Washer – Plain	1
24	25 041 09	Gasket – Pump, Fuel	1
25	47 559 04	Fuel Pump Assembly (Incl. Ref. #23–24)	1
26	45 041 07	Gasket – Air Cleaner	1
27	47 053 86	Carburetor (Incl. Ref. #3–19)	1
28	47 049 01	Gasket – Carburetor	1
29	47158 07	Bushing – Linkage Retain.	1
30	25 158 11	Bushing – Linkage Retain.	1
31	47 079 10	LInkage – Carburetor	1
32	25 155 02	Connector – Hose, 90°	1
33	X–426–9	Clamp – Hose	2
34	25 353 08	Line – Fuel	1
35	X–770–1	Screw – Slotted Hd.	2
*	25 757 11	Carburetor Repair Kit	1

*Not Illustrated

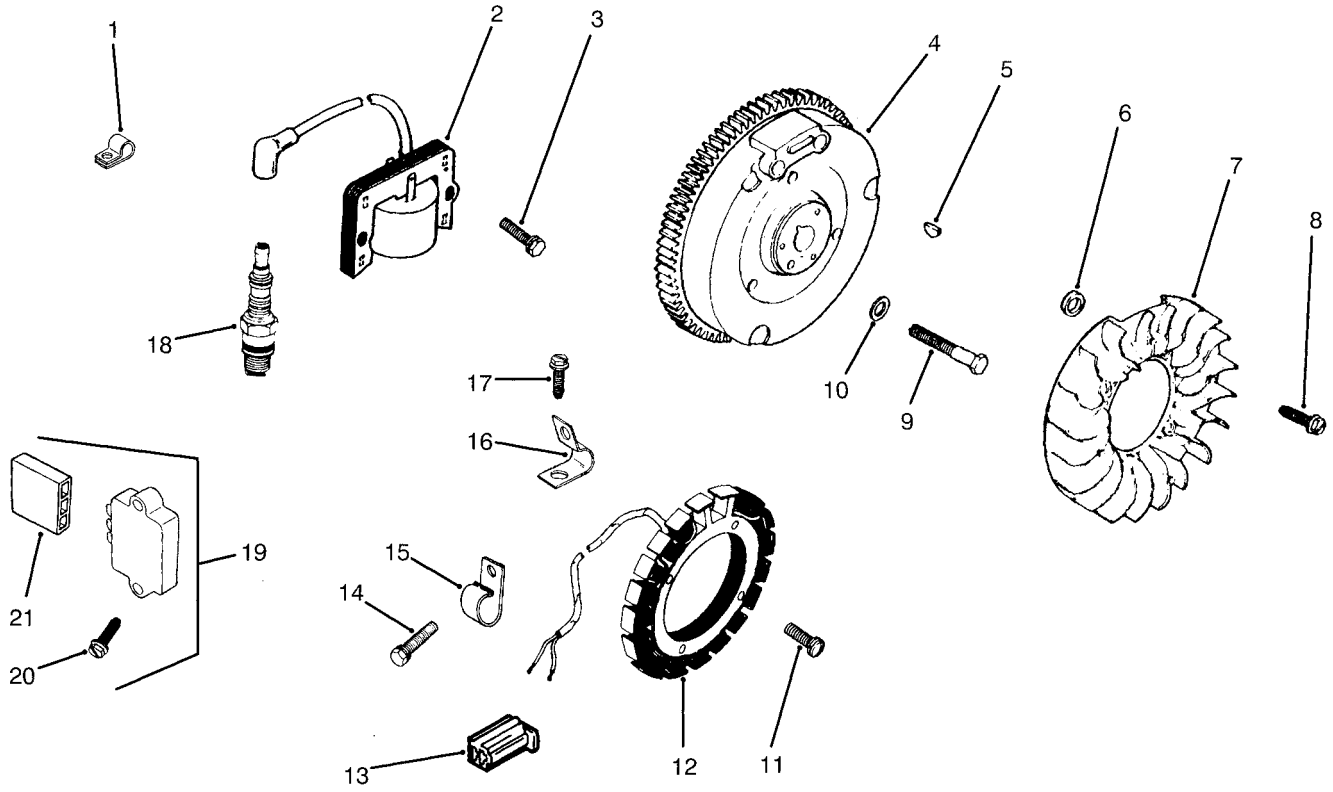


T–1834

ENGINE KOHLER MODEL M12S SPEC. NO. 471580 (Cont.)

Ref. No.	Part No.	Description	No. Used
1	47 091 01	Spring – Governor	1
2	X–400–80	Spacer	1
3	A–235256–S	Kit – Governor Shaft	1
4	231355	Pin – Governor Stop	1
5	25 468 01	Washer – Plain	1
6	A–235743–S	Kit – Governor Gear	1
7	237022	Washer – Thrust	1
8	X–51–8	Screw – Slotted Pan Hd.	1
9	X–251–02	Washer – Plain	1
10	48 755 10	Kit – Clamp	1
11	X–72–4	Nut – Hex.	1
12	X–67–51	Screw – Hex. Washer Hd.	1
13	25 468 04	Washer – Plain	1
14	47237 02	Clamp	1
15	47 126 09	Bracket	1
16	232556	Screw – Lever, Throttle	1
17	X–132–6	Screw – Hex. Hd.	1
18	X–76–2	Nut – Hex.	1

Ref. No.	Part No.	Description	No. Used
19	47 090 10	Lever – Control, Throttle	1
20	X–25–72	Washer – Plain	1
21	275690	Washer – Tension	2
22	47 112 02	Spacer	1
23	X–25–82	Washer – Plain	1
24	47 090 06	Lever – Control, Choke	1
25	X–25–63	Washer – Plain	1
26	X–20–1	Washer – Lock	1
27	X–5–26	Screw – Hex. Cap	1
28	47 079 01	LInkage – Choke	1
29	47 079 10	Linkage – Governor	1
30	X–799–1	Palnut	1
31	235476	Bushing – Governor	1
32	47 158 07	Bushing – Retaining	1
33	X–766–1	Screw – Hex. Hd.	1
34	47 090 20	Lever – Governor	1
35	25 158 11	Bushing – Retaining	1



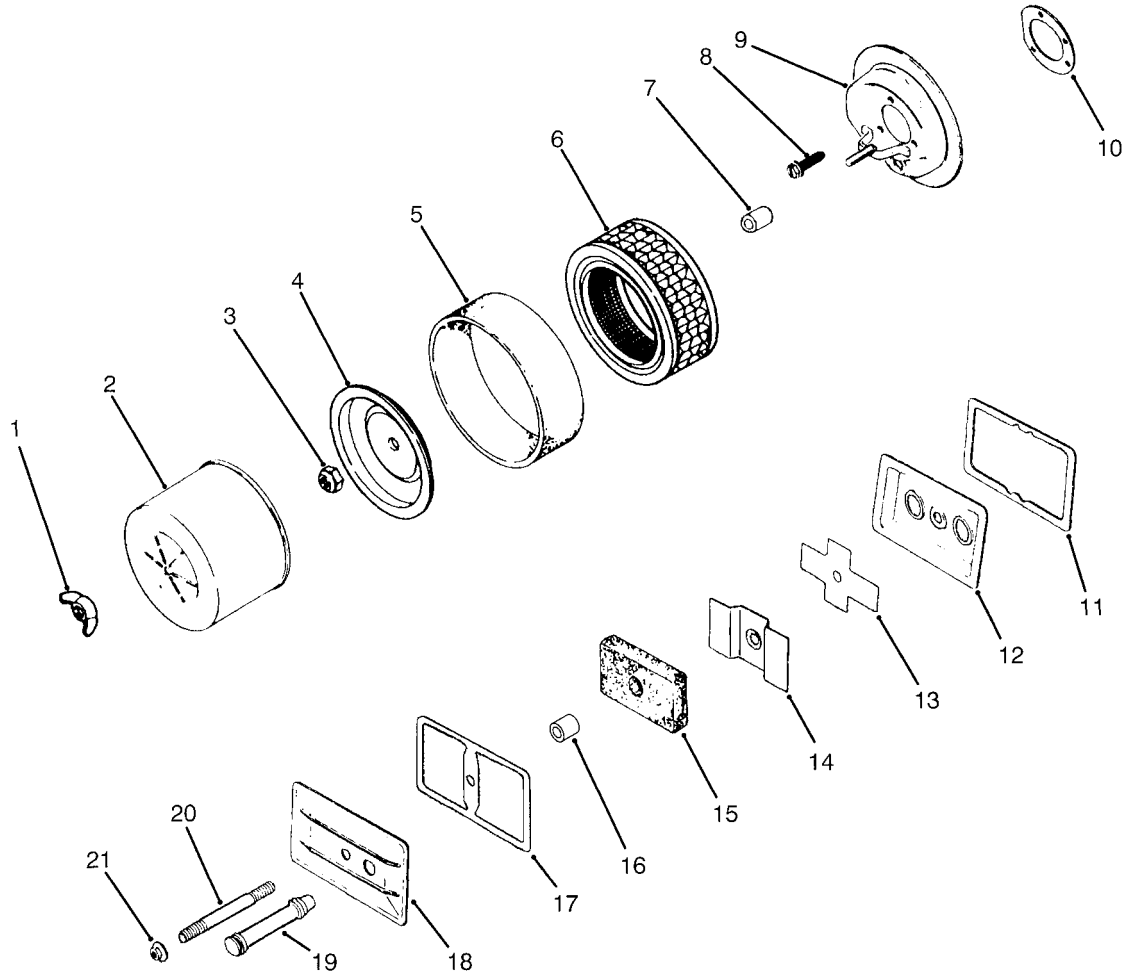
T–1835

ENGINE KOHLER MODEL M12S SPEC. NO. 471580 (Cont.)

Ref. No.	Part No.	Description	No. Used
1	210281	Clip – Lead, Hi–Tension	1
2	47 584 02	Module – Ignition	1
3	X–67–51	Screw – Hex.	2
4	47 025 53	Flywheel	1
5	X–46–3	Key – Woodruff	1
6	25 112 04	Spacer	4
7	25 157 01	Fan	1
8	25 086 21	Screw – Hex. Washer Hd.	4
9	25 086 24	Screw – Hex. Mach.	1
10	52 468 15	Washer – Plain	1
11	X–67–51	Screw – Hex. Washer Hd.	4
12	237878	Kit – Stator (Incl. Ref. #17)	1

Ref. No.	Part No.	Description	No. Used
13	41 155 03	Connector – Male	1
14	X–132–6	Screw – Hex. Hd.	1
15	235173	Clip	1
16	X–728–1	Clip – Lead	1
17	X–67–59	Screw – Hex. Washer Hd.	1
18	23 132 02	Plug – Spark	1
19	25 755 03	Kit – Rectifier (Incl. Ref. #20)	1
20	X–132–5	Screw – Hex. Hd.s	2
21	236602	Connector – Female	1
*	47 518 43	Lead – White w/Diode	1
*	47 518 46	Lead – Violet, Rectifier	1

*Not Illustrated



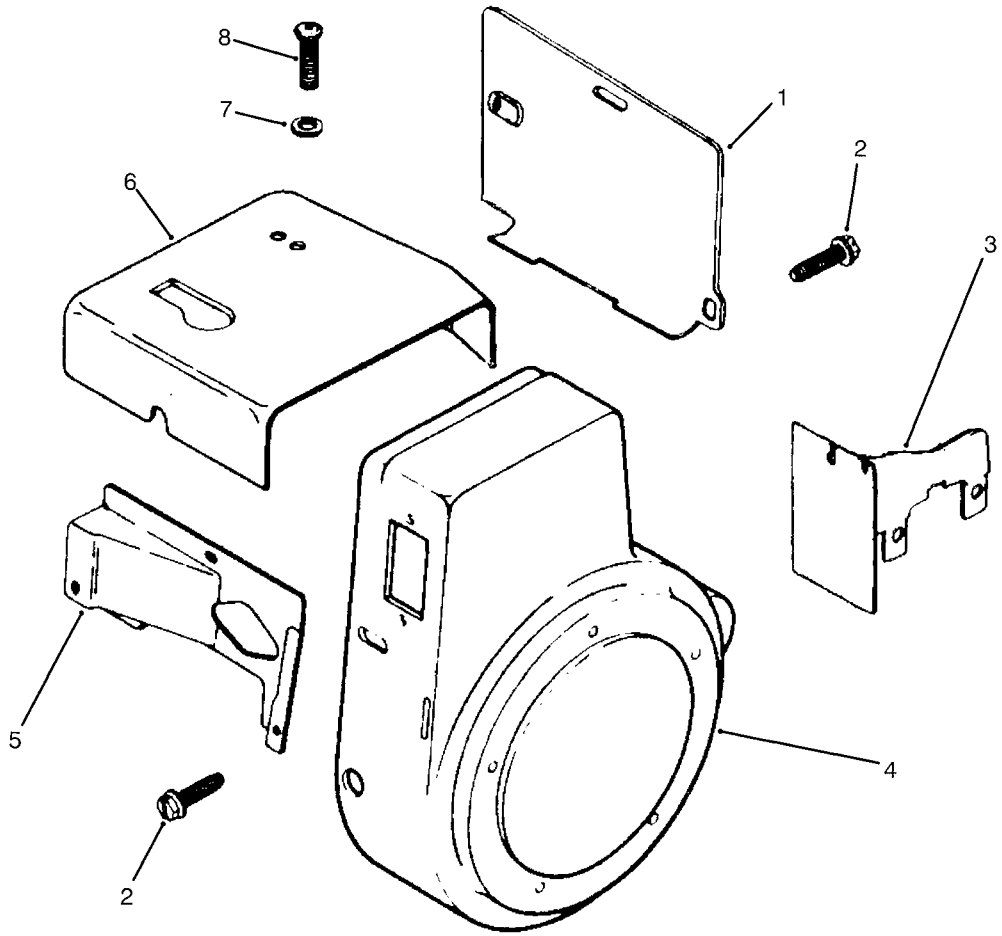
T-1836

ENGINE KOHLER MODEL M12S SPEC. NO. 471580 (Cont.)

Ref. No.	Part No.	Description	No. Used
1	X-276-7	Nut – Wing	1
2	45 082 01	Cover – Air Cleaner	1
3	41 100 04	Nut – Jam	1
4	52 082 04	Cover – Element	1
5	45 083 01	Element – Precleaner	1
6	45 083 02	Element	1
7	231032	Seal	1
8	X-67-65	Screw – Hex. Washer Hd.	3
9	47 094 20	Base – Air Cleaner	1
10	45 041 07	Gasket – Air Cleaner	1
11	235048	Gasket – Breather Plate	1

Ref. No.	Part No.	Description	No. Used
12	235631	Plate – Breather	1
13	235047	Reed – Breather	1
14	270146	Baffle – Breather	1
15	47 050 01	Filter – Breather	1
16	231032	Seal – Breather	1
17	275144	Gasket – Valve Cover	1
18	47 096 01	Cover – Breather Plate	1
19	47 326 03	Hose – Breather	1
20	275220	Stud	1
21	X-799-1	Palnut	1
*	25 113 07	Decal – Air Cleaner	1

*Not Illustrated



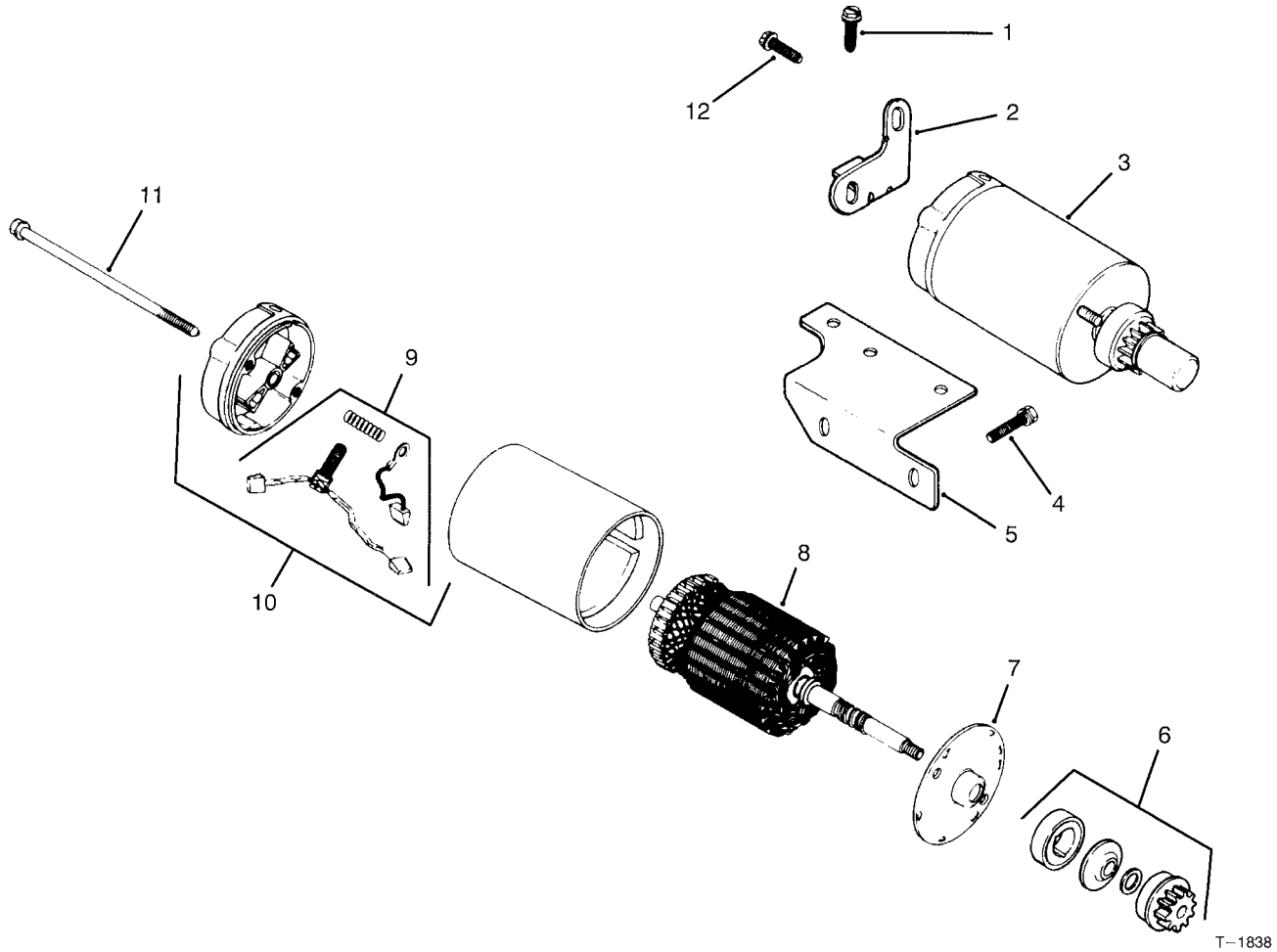
T–1837

ENGINE KOHLER MODEL M12S SPEC. NO. 471580 (Cont.)

Ref. No.	Part No.	Description	No. Used
1	47 063 10	Baffle – Cylinder	1
2	52 086 11	Screw – Hex. Washer Hd.	6
3	47 063 07	Baffle – Inner	1
4	47 027 42	Housing – Blower	1
5	47 063 11	Baffle – Side Air	1

Ref. No.	Part No.	Description	No. Used
6	45 063 08	Baffle – Head	1
7	X–25–53	Washer – Plain	1
8	47 086 08	Screw – Pozidriv T.H.	1
*	47 113 20	Decal – Horsepower	1

*Not Illustrated



ENGINE KOHLER MODEL M12S SPEC. NO. 471580 (Cont.)

Ref. No.	Part No.	Description	No. Used
1	X–67–83	Screw – Hex. Washer Hd.	1
2	45 126 17	Brace – Tail	1
3	41 098 04	Starter Assembly (Incl. Ref. #6–11)	1
4	X–159–2	Screw – Hex. Cap	2
5	47 126 29	Bracket – Solenoid	1
6	41 755 03	Kit – Drive	1
7	41 081 05	Cap – End, Drive	1

Ref. No.	Part No.	Description	No. Used
8	45 170 02	Armature	1
9	52 755 15	Kit – Brush	1
10	41 227 05	Cap/Commutator Assy. (Incl. Ref. #9)	1
11	41 086 19	Bolt	2
12	X–67–62	Screw – Hex. Washer Hd.	1
*	25 450 03	Tag – Caution	1

*Not Illustrated

TORO PART NUMBER INDEX

Part No.	Description	Pg. No.	Ref. No.	Qty.
10–6830	Stud – Drive	15	16	8
10–6830	Stud – Drive	2	23	4
10–7070	Key – Square	7	28	1
10–9240	Clamp – Seat	5	10	2
17–4710	Hub – Wheel	15	22	2
18–1520	Filter – Fuel	6	18	1
18–6320	Washer – Steering	2	30	3
18–6380	Pin – Steering Adjustment	2	27	2
18–6710	Tube – Hydraulic	15	11	1
18–6720	Tube – Hydraulic	15	12	1
18–7160	Pin – Cylinder	15	27	1
18–7310	Pin – Cylinder	15	10	1
18–8000	Mount – Rubber	6	26	3
21–5360	Hose – Hydraulic	20	6	1
21–5360	Hydraulic Hose Assembly	7	9	1
21–5370	Hose – Hydraulic	15	3	2
21–5370	Hydraulic Hose Assembly	7	10	2
22–4670	Hose – Hydraulic	15	5	1
22–4670	Hose – Hydraulic	15	30	1
22–4670	Hydraulic Hose Assembly	13	13	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 – Spool Retaining	14	13	1
22–8490	Ring – Retaining	14	14	1
22–8500	O–Ring	14	9	2
23–0660	Ignition Switch Assembly	3	17	1
23–3030	Spacer	14	12	1
23–9740	Element – Hydraulic Filter	20	16	1
24–0760	Cooler – Oil	1	2	1
25–2380	Plate – Thrust	8	39	1
25–2390	Plate – Valve	8	40	1
25–2400	Gasket	8	43	1
25–2430	Pin – Straight	8	41	1
25–2450	Plate – Swash	8	37	1
25–2460	Plug	8	14	2
25–2480	Spring – Charge Relief	8	32	1
25–2490	Ball – Check Valve	8	47	2
25–2510	Washer	8	11	2
25–2530	Pin – Straight	8	26	1
25–2570	Spring – Relief Valve	8	17	1
25–2600	Kit – Cylinder Block	8	5	1
25–2630	Ring	8	3	1
25–2640	Spring – Valve Check	8	48	2
25–2650	Plug – Check Valve	8	50	2
25–2680	Assembly – Gerator	8	25	1
25–2690	Housing – Charge Pump	8	21	1
25–3180	Kit – Check Valve	9	*	1
25–3210	Seal – Lip	8	10	2
25–3220	Kit – Charge Pump	9	*	1
26–2950	Standoff – Wire	7	12	1
26–3790	Nut – Lock	15	19	2
27–1960	Hub – Engine	7	29	1
27–5170	Seat Assembly	5	1	1
27–6600	Spacer – Coupler	7	25	4
28–1070	Tire	15	21	2
28–1070	Tire	2	25	1
28–3670	Shaft – Trunion	8	12	1
28–4210	Solenoid	3	32	1
28–8080	Boot – Terminal	19	20	1
29–6120	PLate – Pump	12	10	1
29–6150	Spring – Leaf	12	15	1
29–6162	Switch – Neutral	12	4	1
29–6170	Leaf Spring Assembly	12	14	1
37–8030	Mount – Pump	7	32	1
38–0860	Spring – Compression	11	11	1
38–3400	Guard – Rubber	1	13	1
39–9600	Clamp – Mounting	3	18	1
43–1730	Body	14	7	1
43–1950	Lift Valve Assembly	13	20	1
43–5220	Ring – Retaining	18	12	1
43–5230	Shaft with Clevis	18	13	1
43–5260	Barrel – w/Clevis & Ports	18	2	1
43–8590	Head – Hydraulic Filter	20	11	1
44–2230	Coupling – Rubber	7	30	1
46–4810	Rim – Wheel	2	16	1
46–4810	Rim – Wheel	15	20	2
46–8400	Bearing – Needle	8	42	1
46–8560	Screw – Hex. Flange Hd.	1	18	10
46–8560	Screw – Hex. Flange Hd.	7	36	3
46–8810	Stop – Leaf Spring	12	6	1
49–2040	Screw – Self Tapping	12	12	3
49–7840	Kit – Shim Pack	8	16	2
49–8470	Kit – Shim–Pack	9	53	2
49–8480	Shaft – Trunion	8	28	1
49–8510	Kit – Charge Relief Valve	9	*	1
49–8520	Kit – Implement Relief	9	*	1
49–9500	Base – Engine	6	28	1
49–9550	Pipe – Exhaust	6	33	1
49–9580	Bracket – Muffler	6	8	1
49–9590	Shield – Rubber	1	21	1
49–9600	Hub – Pump	7	31	1
49–9970	Hose – Hydraulic	7	22	1
49–9980	Retainer – Rubber Shield	1	25	1
51–0590	Hose – Hydraulic	13	16	1
51–0590	Hose – Hydraulic	7	19	1
51–0620	Tube – Hydraulic	13	17	1
51–0620	Tube – Hydraulic	15	34	1
51–0670	Hose – Fuel	6	19	1
51–0700	Muffler	6	2	1
51–0780	Slider – Seat	5	9	1
51–0790	Adjuster – Seat	5	14	1
51–3150	Shim – Spring	12	13	1
51–3160	Trim	1	16	1
51–3161	Trim	1	20	1
53–9470	Hose – Hydraulic	7	14	1
53–9470	Hose – Hydraulic	20	15	1
54–2700	Cushion – Rubber	5	12	2
54–7890	Kit – Housing	8	8	1
55–4450	Bumper – Rubber	13	22	1
56–2520	Fitting – Fuel Shut–Off	19	27	1
56–7720	Bolt – Battery	19	16	2
61–3230	Spacer – Fuel Filter	6	13	1
63–8360	Key – Ignition	3	8	2
63–8440	Decal – Hot Surface	13	3	1
66–2950	Hourmeter Assembly	3	3	1
67–1690	Fitting – Fuel 90°	6	30	1
67–8020	Shaft – Pump	8	6	1
67–8050	Bearing – Needle	8	22	1
67–8060	Seal – Lip	8	23	1
70–2770	Head	18	10	1
70–2780	Piston	18	5	1
70–8631	Cap – Fuel	19	1	1
74–0720	Tube – Manual	5	5	1
74–9100	Pad – Forward Pedal	11	16	1
74–9110	Pad – Reverse Pedal	11	5	1
75–0540	Tether – Oil Cap	20	2	1
75–9831	Hydraulic Motor Assembly	15	25	1
75–9840	Hydraulic Motor Assembly	15	33	1
76–0800	Kit – Seal	16	*	1
76–0800	Kit – Seal	17	*	1
76–0810	Assembly – Housing	16	*	1
76–0810	Assembly – Housing	17	*	1
76–0820	Link – Drive	16	13	1
76–0820	Link – Drive	17	13	7
76–0830	Rotor Set	16	*	1
76–0830	Rotor Set	17	*	1
76–0840	Manifold	16	22	1
76–0840	Manifold	17	22	1
76–0850	Bearing – Thrust	16	12	1
76–0850	Bearing – Thrust	17	12	1
76–0860	Shaft – Coupling	16	11	1
76–0860	Shaft – Coupling	17	11	1
76–0870	Plate – Wear	16	18	1
76–0870	Plate – Wear	17	18	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
76-0880	Assembly – Commutator	16	*	1
76-0880	Assembly – Commutator	17	*	1
76-0890	Assembly	16	29	1
76-0940	Assembly – Cover, End	17	24	1
76-1020	Screw – Cap Hex. Hd.	17	14	1
76-1040	Screw – Cap Hex. Hd.	16	14	7
76-1420	Wheel – Steering	2	5	1
80-1910	Decal – Lift	13	1	1
83-0820	Ammeter Assembly	3	15	1
83-7000	Hydraulic Cylinder Assembly	15	28	1
83-7250	Kit – Seal Repair	18	*	1
83-7260	Cone – Relief Valve	8	18	1
83-7260	Cone – Relief Valve	8	33	1
84-7850	Tube – Hydraulic	15	1	1
84-7860	Tube – Hydraulic	15	2	1
84-7940	Axle – Front	2	24	1
84-8010	Decal – SANDPRO 2000	1	24	2
84-8050	Hose – Fuel	6	14	1
84-8050	Hose – Fuel	19	25	1
84-8060	Engine Assembly	6	31	1
84-8110	Base – Fuel Tank	19	4	1
84-8160	Base – Hydraulic Tank	20	21	1
84-8170	Shroud – Lift Valve	13	2	1
85-6570	Hose – Hydraulic	20	7	1
85-6610	Shaft – Steering Upper	2	7	1
85-6680	Shield – Engine	1	8	1
85-8900	Lever – Lift	13	24	1
85-8960	Spacer	11	4	1
85-9180	Sprocket	2	12	1
85-9200	Knuckle – Steering	2	1	1
85-9210	Shaft – Steering Lower	2	2	1
86-4870	Oil Cap Assembly	20	24	1
86-4920	Bracket – Dampener	7	35	1
86-4970	Dampener – Hydraulic	7	2	1
86-4980	Nut – Jam	7	3	1
86-5000	Lever – Pump	12	20	1
86-5070	Shield – Dampener	7	1	1
86-7440	Wire – Solenoid-Starter	6	5	1
86-7440	Wire – Solenoid-Starter	3	31	1
86-7440	Wire Assembly	4	2	1
86-7450	Wire – Battery-Ground	6	11	1
86-7450	Wire – Battery-Ground	19	17	1
86-7450	Wire Assembly	4	4	1
86-7570	Cable – Battery Pos.	4	3	1
86-7570	Wire – Battery-Solenoid	19	21	1
86-7570	Wire – Battery-Solenoid	3	30	1
86-7610	Plate – Seat	5	15	1
86-7640	Box – Litter	19	29	1
88-8210	Plug – Standard Thread	8	19	1
88-8220	Valve – By-Pass	8	4	1
88-8480	Bracket – Pivot	13	12	1
92-1197	Decal – Service	5	11	1
92-1678	Battery	19	15	1
92-1705	Screen – Filter	20	23	1
92-1706	Decal – Operating	1	7	1
92-2343	Pedal – Traction	11	6	1
92-2344	Stud – Adjuster	11	12	1
92-5000	Frame Assembly	2	34	1
92-5018	Clamp – Battery	19	12	1
92-5023	Panel – Front	1	30	1
92-5024	Panel – Dash	3	29	1
92-5029	Shield – Blower	1	17	1
92-5030	Fork – Steering	2	13	1
92-5035	Steering Shaft Assembly	2	9	1
92-5037	Shroud – Dash	1	1	1
92-5039	Chain – Steering	2	29	1
92-5046	Harness – Wire	4	1	1
92-5046	Wire Harness Assembly	3	38	1
92-5048	Shield – Cooler	1	23	1
92-7150	Tube – Hydraulic	1	9	1
92-7151	Tube – Hydraulic	13	4	1
92-7151	Tube – Hydraulic	1	6	1
92-7152	Hose – Fuel	19	8	1
92-7153	Rod – Traction	11	10	1
92-7155	Choke Control Assembly	3	7	1
92-7156	Control – Throttle	3	22	1
92-7157	Decal – Dash	3	14	1
92-7158	Tread – Foot RH	1	29	1
92-7159	Tread – Foot LH	1	14	1
92-7160	Clip – Fuel Hose	19	9	1
92-7170	Base – Seat	5	13	1
92-7186	Tank – Fuel	19	2	1
92-7187	Reservoir – Hydraulic Oil	20	3	1
92-8776	Plug Assembly	8	51	2
92-8777	Seal – O-Ring	8	52	2
92-8790	Hydraulic Pump Assembly	7	7	1
218-461	Nut – Hex.	3	9	1
218-489	Fuse Holder Assembly	3	13	1
218-598	Fuse – 20 Amp.	3	12	1
2210-118	Gasket – Exhaust	6	32	1
232-35	Valve – Stem	15	17	2
232-35	Valve – Stem	2	22	1
233-25	Knob – Throttle	3	6	1
233-39	Knob – Lift Valve	13	7	1
237-22	O-Ring	8	2	1
237-30	O-Ring	8	44	2
237-42	O-Ring	14	2	2
237-42	Seal – O-Ring	13	5	2
237-42	Seal – O-Ring	7	17	2
237-42	Seal – O-Ring	15	31	1
237-78	O-Ring	18	1	2
237-78	Seal – O-Ring	15	7	2
237-78	Seal – O-Ring	13	14	2
237-79	Seal – O-Ring	20	4	1
237-79	Seal – O-Ring	7	8	3
237-79	Seal – O-Ring	15	14	4
237-80	Seal – O-Ring	7	16	1
237-80	Seal – O-Ring	20	19	1
237-86	O-Ring	8	15	2
237-86	O-Ring	8	49	2
237-95	O-Ring	8	27	1
237-100	Grommet	1	19	1
237-136	Grommet	19	3	4
237-136	Grommet	20	22	4
240-9	Grommet	19	28	3
242-50	Nut – Lug	2	17	4
242-50	Nut – Lug	15	18	8
2410-73	Retainer – Tether	20	25	1
2412-36	Clamp – Hose	19	7	2
2412-37	Muffler Clamp Assembly	6	1	1
2412-39	Clamp – R	1	4	2
2412-41	Clamp – R	1	26	1
2412-44	Clamp – R	6	17	1
2412-73	Clamp – R	19	23	1
2412-73	Clamp – R	1	33	1
2412-73	Clamp – R	3	39	1
2412-81	Clamp – R	6	20	1
2412-108	Clamp – Hose	6	15	3
2412-108	Clamp – Hose	19	26	1
2412-133	Clamp – R	5	3	2
251-8	Bearing – Ball	8	35	1
251-165	Bearing Assembly	2	20	2
251-166	Flange – Bearing	2	19	4
251-259	Bearing – Ball	12	18	1
252-82	Bearing – Needle	8	9	2
254-61	Cup – Bearing	2	32	2
254-70	Cone – Bearing	2	31	2
256-185	Bushing – Sleeve	2	8	2
256-219	Bushing – Flange	11	3	2
256-287	Bushing – Flange	2	3	2
2710-11	Link – Connecting	2	28	2
2710-20	Offset Link Assembly	13	10	1
285-17	Plug – Pipe	8	1	2
302-11	Fitting – Grease	2	33	1
321-4	Screw – Cap Hex. Hd.	20	10	2
321-4	Screw – Cap Hex. Hd.	1	32	1
321-6	Screw – Cap Hex. Hd.	12	16	2
321-23	Screw – Cap Hex. Hd.	13	21	4
322-2	Screw – Cap Hex. Hd.	5	8	8
322-3	Screw – Cap Hex. Hd.	5	2	4

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
322–3	Screw – Cap Hex. Hd.	19	19	2
322–4	Screw – Cap Hex. Hd.	1	11	2
322–4	Screw – Cap, Hex. Hd.	8	24	4
322–5	Screw – Cap Hex. Hd.	2	10	4
322–5	Screw – Cap Hex. Hd.	1	22	3
322–14	Screw – Cap Hex. Hd.	11	1	1
322–16	Screw – Cap Hex. Hd.	7	26	4
322–17	Screw – Cap Hex. Hd.	12	3	1
323–6	Screw – Cap Hex. Hd.	1	10	2
323–6	Screw – Cap Hex. Hd.	19	13	3
323–6	Screw – Cap Hex. Hd.	20	13	3
323–6	Screw – Cap Hex. Hd.	7	18	2
323–7	Screw – Cap Hex. Hd.	6	3	1
323–7	Screw – Cap Hex. Hd.	7	5	2
323–8	Screw – Cap Hex. Hd.	6	22	2
323–9	Screw – Cap Hex. Hd.	6	16	1
323–11	Screw – Cap Hex Hd.	8	46	4
323–11	Screw – Cap Hex. Hd.	6	21	1
323–12	Screw – Cap Hex. Hd.	6	29	2
325–5	Screw – Cap Hex. Hd.	15	36	4
325–8	Screw – Cap Hex. Hd.	7	11	2
325–10	Screw – Cap Hex. Hd.	15	23	8
3210–7	Screw – Cap Hex. Hd.	12	1	1
3217–6	Nut – Hex.	6	35	2
3217–7	Nut – Hex.	6	9	5
3217–7	Nut – Hex.	2	15	4
3217–9	Nut – Hex.	15	26	8
3217–9	Nut – Lock	7	33	2
3217–16	Nut – Hex.	12	8	2
3217–25	Nut – Hex.	3	26	2
3218–13	Nut – Jam	3	35	2
3219–2	Nut – Hex.	12	2	1
3219–3	Nut – Hex.	3	24	1
3219–14	Nut – Hex.	3	21	8
3220–4	Nut – Jam	11	13	2
3231–2	Bolt – Carriage	2	18	4
3234–33	Screw – Cap Hex. Hd.	3	2	4
3234–33	Screw – Hex. Flange Hd.	1	31	4
3241–5	Screw – Square Hd. Set	7	27	4
3249–11	Screw – Round Hd.	12	5	2
3250–36	Screw – Phillips Hd.	19	6	4
3250–36	Screw – Phillips Hd.	20	20	4
3253–3	Washer – Lock	20	9	2
3253–4	Washer – Lock	5	7	4
3253–4	Washer – Lock	3	34	2
3253–4	Washer – Lock	6	34	2
3253–5	Washer – Lock	7	4	4
3253–5	Washer – Lock	6	10	4
3253–7	Washer – Lock	15	24	8
3253–7	Washer – Lock	7	34	2
3253–17	Washer – Lock	3	33	2
3253–21	Washer – Lock	2	14	4
3254–1	Washer – Lock	3	20	2
3254–5	Washer – Lock ITLW	3	10	1
3254–6	Washer – Lock ITLW	3	25	1
3254–9	Washer – Lock ITLW	12	7	2
3255–7	Washer – Lock	3	36	1
3255–7	Washer – Lock ETLW	12	11	3
3255–9	Washer – Lock ETLW	6	12	1
3255–20	Washer – Lock ITLW	3	27	2
3256–3	Washer – Flat	5	4	2
3256–14	Washer – Flat	6	23	6
3256–21	Washer – Flat	3	19	2
3256–22	Washer – Flat	3	1	2
3256–22	Washer – Flat	19	11	2
3256–22	Washer – Flat	20	26	1
3256–23	Washer – Flat	11	2	1
3256–23	Washer – Flat	7	24	4
3256–23	Washer – Flat	1	27	3
3256–24	Washer – Flat	6	4	3
3256–24	Washer – Flat	20	12	3
3256–24	Washer – Flat	11	14	2
3256–24	Washer – Flat	19	14	3

Part No.	Description	Pg. No.	Ref. No.	Qty.
3256–25	Washer – Flat	11	9	1
3256–26	Washer – Flat	15	37	4
3256–35	Washer – Flat	1	12	2
3257–32	Key – Woodruff	7	6	1
3257–32	Key – Woodruff	8	7	1
3257–42	Key – Woodruff	15	15	2
3257–42	Key – Woodruff	16	17	1
3257–42	Key – Woodruff	17	17	1
3272–16	Pin – Cotter	11	8	1
3272–23	Pin – Cotter	15	8	3
3272–37	Pin – Cotter	2	35	1
3274–69	Screw – Hex. Button Hd.	19	24	1
3290–134	Screw – Cap Hex. Hd.	6	27	6
3290–256	Pin – Hair	15	9	1
3290–357	Nut – Flange Lock	1	3	2
3290–360	Screw – Cap Hex. Hd.	13	8	2
3290–378	Tie – Cable	1	*	1
3290–378	Tie – Cable	6	25	1
3290–378	Tie – Cable	15	35	1
3290–496	Nut – Tinnerman	1	15	2
3296–2	Nut – Lock	13	25	2
3296–4	Nut – Lock	2	26	2
3296–12	Nut – Lock	3	23	2
3296–12	Nut – Lock	6	24	6
3296–29	Nut – Lock	2	4	4
3296–29	Nut – Lock	5	6	12
3296–29	Nut – Lock	11	7	1
3296–29	Nut – Lock	12	17	1
3296–29	Nut – Lock	19	18	2
3296–29	Nut – Lock	7	23	4
3296–29	Nut – Lock	1	28	3
3296–39	Nut – Lock	19	5	3
3296–39	Nut – Lock	11	15	1
3296–39	Nut – Lock	20	17	3
3296–42	Nut – Lock	12	9	2
3296–42	Nut – Lock	13	15	4
3296–42	Nut – Lock	19	22	1
3296–42	Nut – Lock	1	34	1
3296–44	Nut – Lock	6	6	1
3296–59	Nut – Lock	6	7	1
32103–12	Nut – Wing	19	10	2
32104–42	Screw – Cap Hex. Hd.	3	37	3
32104–76	Screw – Cap Hex. Hd.	13	23	2
32105–2	Screw – Cap Hex. Hd.	3	5	2
32105–13	Screw – Hex. Hd.	20	1	1
32120–11	Ring – Retaining	8	36	1
32120–15	Ring – Retaining	8	34	1
32121–15	Pin – Spiral	2	37	2
32121–16	Pin – Roll	7	13	1
32121–24	Pin – Roll	12	19	1
32121–91	Pin – Spring	8	38	3
32121–111	Pin – Spiral	2	6	1
32121–112	Pin – Spiral	2	11	1
32136–9	Nut – Slotted	2	36	1
32144–11	Screw – Hex. Flange Hd.	3	4	2
32151–46	Ring – Retaining	8	13	2
32152–10	Nut	18	3	1
353–212	Fitting – Hydraulic 45°	15	32	1
353–212	Fitting – Hydraulic 90°	13	19	1
353–370	Fitting – Hydraulic 90°	7	15	1
353–370	Fitting – Hydraulic 90°	20	18	1
353–372	Fitting – Hydraulic 90°	1	5	2
353–374	Fitting – Hydraulic 90°	7	21	1
353–379	Fitting – Hydraulic 45°	20	5	1
353–424	Fitting – Hydraulic Tee	15	4	2
353–426	Fitting Hydraulic 90°	15	13	4
353–431	Fitting – Hydraulic 45°	15	29	1
353–506	Fitting – Hydraulic Straight	20	14	1
353–511	Fitting – Hydraulic 90°	13	6	1
353–511	Fitting – Hydraulic 90°	7	20	1
353–535	Fitting – Hydraulic 45°	20	8	1
353–877	Fitting – Hydraulic Tee	13	18	1
354–132	Fitting Hydraulic 90°	15	6	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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