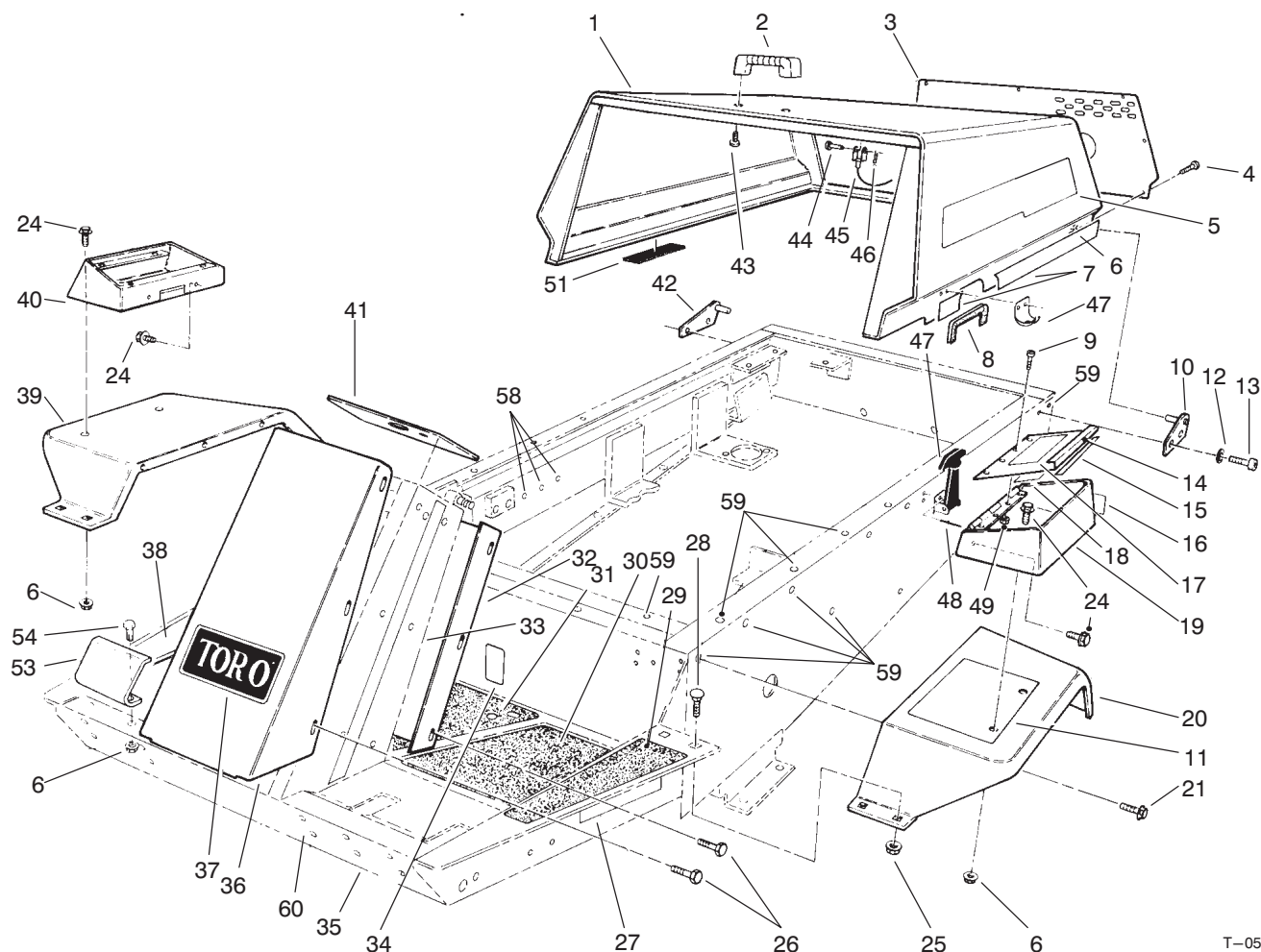


TORO®

MODEL NO. 30224-50001 & UP

PARTS CATALOG

GROUNDMASTER® 224 TRACTION UNIT



T-0524-1

BODY ASSEMBLY

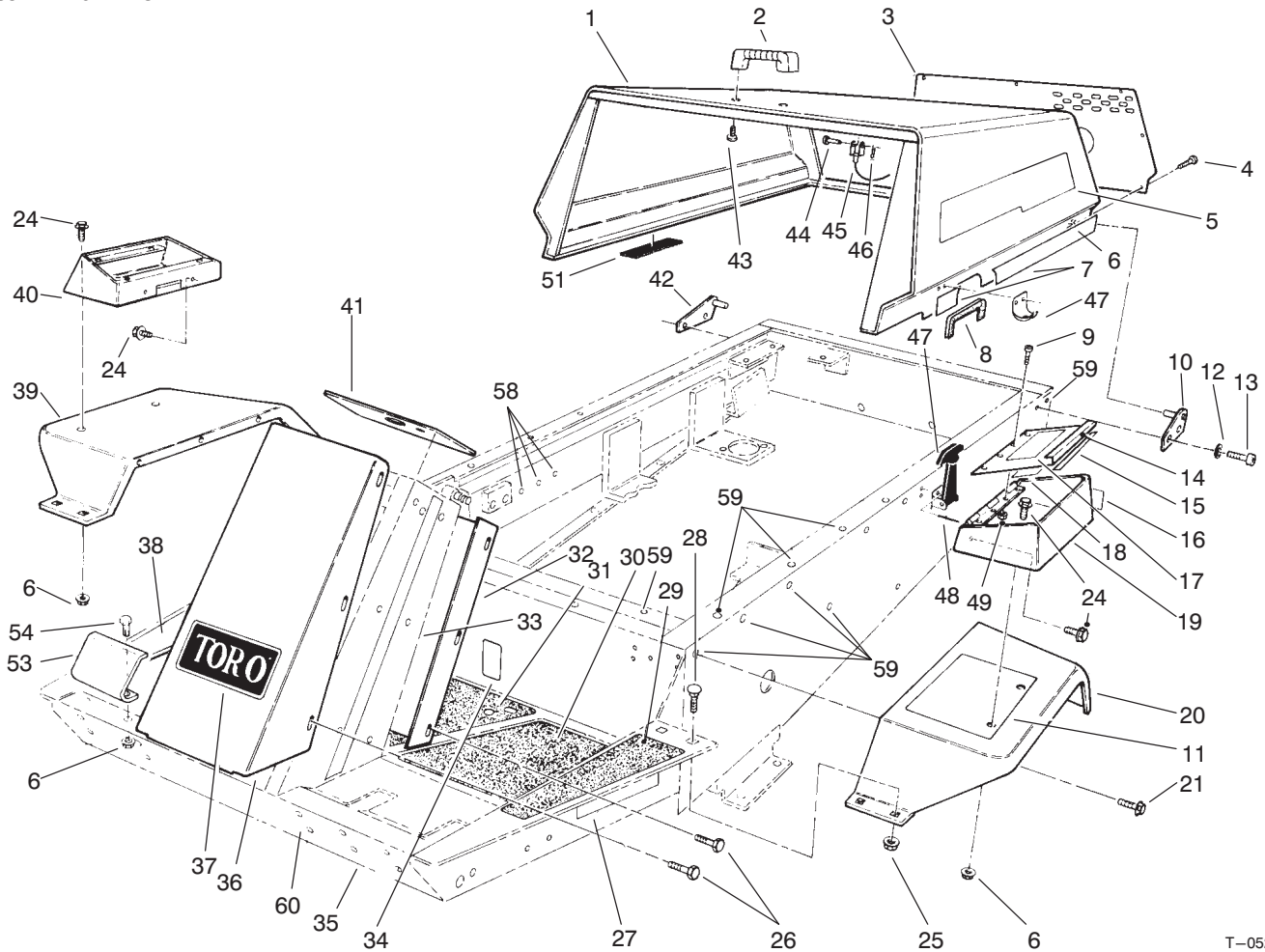
Ref. No.	Part No.	Description	No. Used
1	14-7149	Hood Assembly	1
2	65-5100	Handle - Hood	1
3	63-7030	Screen - Hood	1
4	321-3	Screw - Cap Hex. Hd.	7
5	93-3187	Decal - GM 224	2
6	32128-33	Nut - Flange Hd.	13
7	93-3193	Decal - Hood L.H.	1
*	93-3192	Decal - Hood R.H.	1
8	66-8110	Trim - Hood	1
9	3290-359	Screw - Machine	4
10	63-6900	Plate Hinge - L.H.	1
11	76-4790	Pad - Rubber	1
12	3255-8	Washer - Lock	4
13	3274-32	Screw - Hex. Hd. Socket	4
14	66-3040	Cover - Tool Box	1
15	66-3050	Strip - Magnetic	1

Ref. No.	Part No.	Description	No. Used
16	27-7310	Decal - Over Fill Caution	1
17	92-8798	Decal - Warning	1
18	71-3520	Decal - Service	1
19	92-6501	Tool Box Assembly (Incl. Ref. #16)	1
20	63-7310	Fender L.H.	1
21	3234-14	Screw - Flange Hd.	8
24	3234-13	Screw - Flange Hd.	8
25	32128-20	Nut - Flange	4
26	46-6810	Screw - Cap Hex. Hd.	13
27	67-1720	Decal - Caution	2
28	3230-23	Bolt - Carriage	4
29	66-3200	Tread - Foot Rest L.H.	1
30	66-3210	Tread - Foot L.H.	1
31	92-5540	Tread - Foot R.H.	1
32	63-7320	Cover - Tower Rear	1

*Not Illustrated

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TPS

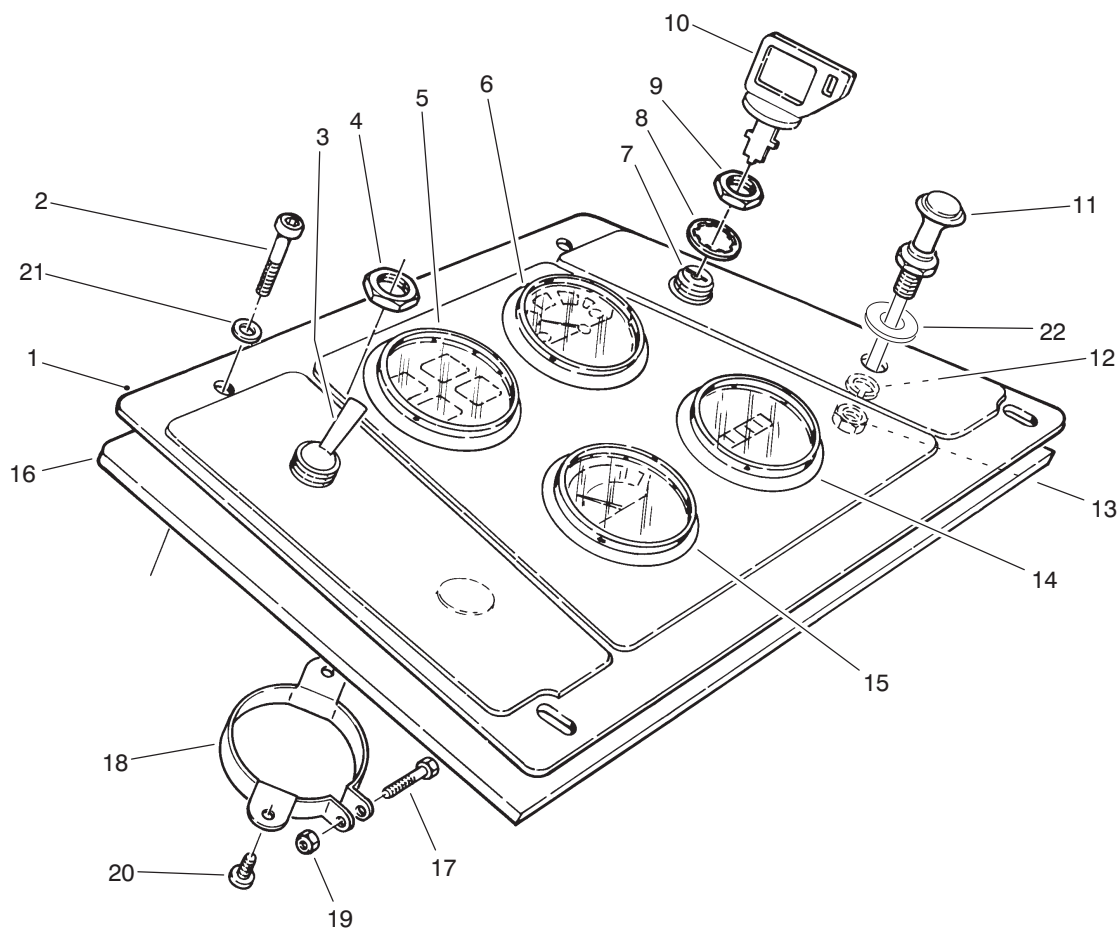


T-0524-1

BODY ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
33	66-8760	Decal - Tower L.H.	1	43	46-8091	Screw - Cap Hex. Hd.	2
*	66-8770	Decal - Tower R.H.	1	44	283-58	Pin - Clevis	1
34	53-4430	Decal - Oil	1	45	66-2870	Cable - Hood Stop	1
35	92-6500	Frame Assembly (Incl. Ref. #27, 29-31, 34, 38 & 58-60)	1	46	3272-10	Pin - Cotter	1
36	92-5545	Cover - Tower Front	1	47	59-9740	Flex. Draw Latch Assembly	1
37	62-5550	Decal - TORO	1	48	3290-271	Rivet	4
38	92-5772	Decal - Traction Pedal	1	49	3296-12	Nut - Hex.	4
39	63-7300	Fender - R.H.	1	51	82-8950	Foam	2
40	63-8050	Box - Control	1	53	92-5548	Shield - Pedal Stop	1
41	66-2470	Plate - Tower	1	54	321-4	Screw - Cap Hex. Hd.	2
42	63-6890	Plate - Hinge R.H.	1	58	32148-9	Nut - Clinch	3
				59	32148-7	Nut - Clinch	22
				60	32148-10	Nut - Clinch	10

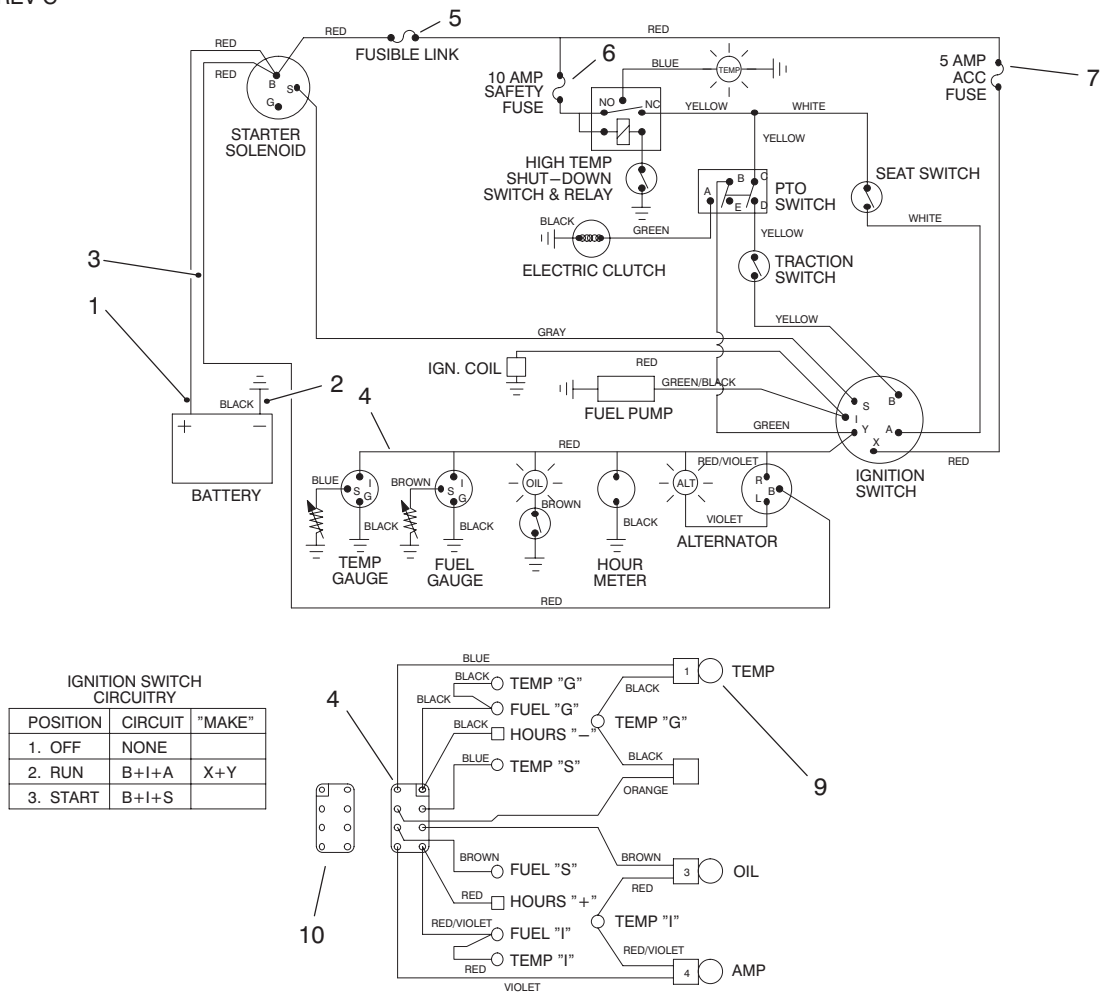
*Not Illustrated



T-0841-1

CONTROL PANEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	71-3490	Panel - Control	1	11	71-2890	Control - Choke	1
2	3274-64	Screw - Socket Hd.	4	12	3253-21	Washer - Lock	1
3	85-4980	PTO Switch Assembly (Incl. Ref. #4)	1	13	3220-3	Nut - Jam	1
4	218-576	Nut - Hex.	1	14	66-2950	Meter - Hour	1
5	66-2960	Cluster - Warning Light	1	15	63-7430	Gage - Temperature	1
6	66-2940	Gage - Fuel	1	16	85-7560	Plate - Control Panel	1
7	27-2360	Ignition Switch Assembly (Incl. Ref. #8-10)	1	17	32105-1	Screw	1
8	218-447	Washer - Lock	1	18	69-4780	Clamp - Gauge	1
9	218-446	Nut - Hex.	1	19	3296-12	Nut - Lock	1
10	63-8360	Key - Ignition	1	20	32144-1	Screw - Hex. Hd.	2
				21	3256-1	Washer - Flat	4
				22	3256-24	Washer - Flat	1

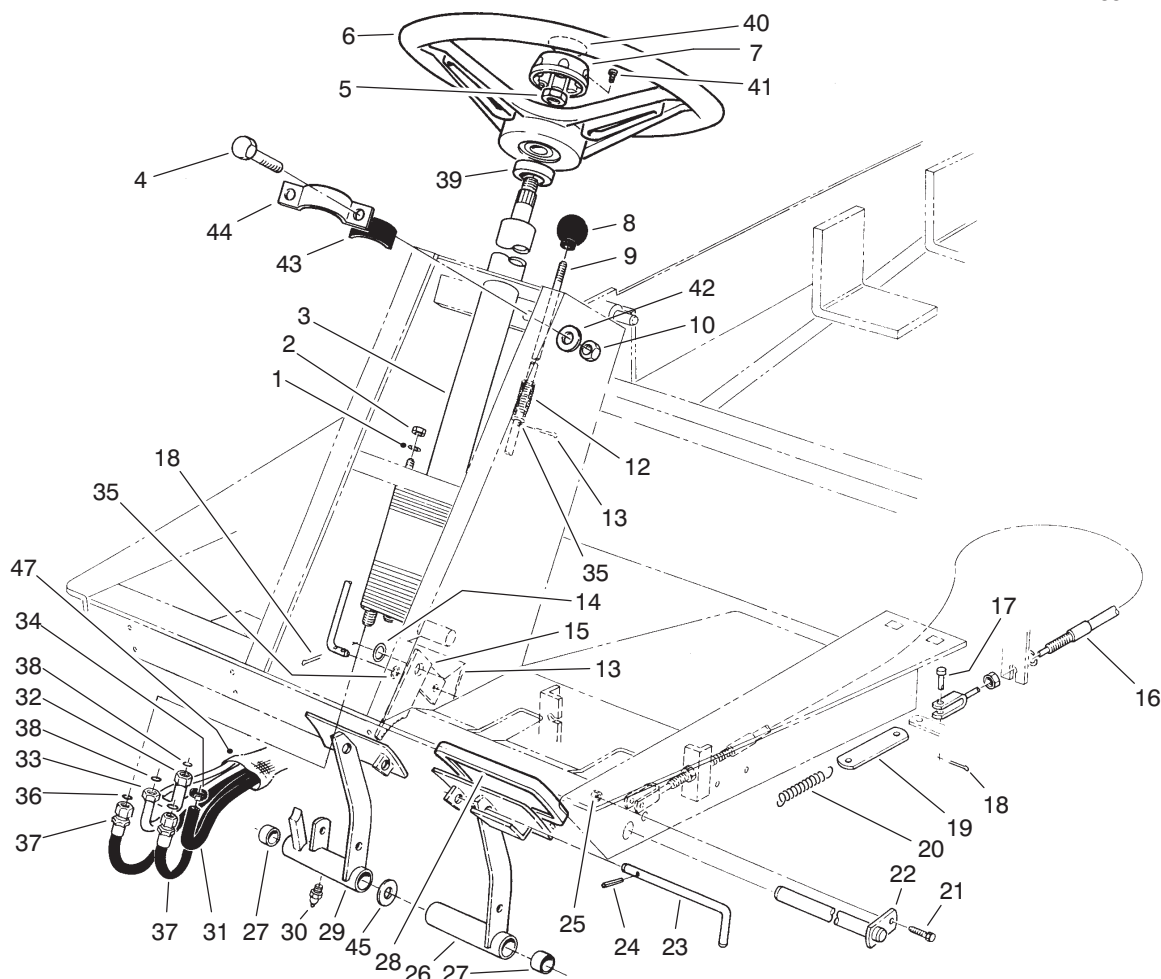


T-0843-2

ELECTRICAL SCHEMATIC

Ref. No.	Part No.	Description	No. Used
1	43-4031	Wire - Positive	1
2	63-7340	Wire - Ground	1
3	85-7550	Wire Harness Assembly (Incl. Ref. #5, 6 & 9)	1
4	66-8690	Lamp Harness Assembly (Incl. Ref. #10)	1

Ref. No.	Part No.	Description	No. Used
5	67-7120	Link - Fusible	1
6	218-578	Fuse 10.0 Amp	1
7	218-573	Fuse 5.0 Amp	1
9	219-17	Bulb - Light	3
10	68-7380	Connector Assembly	1

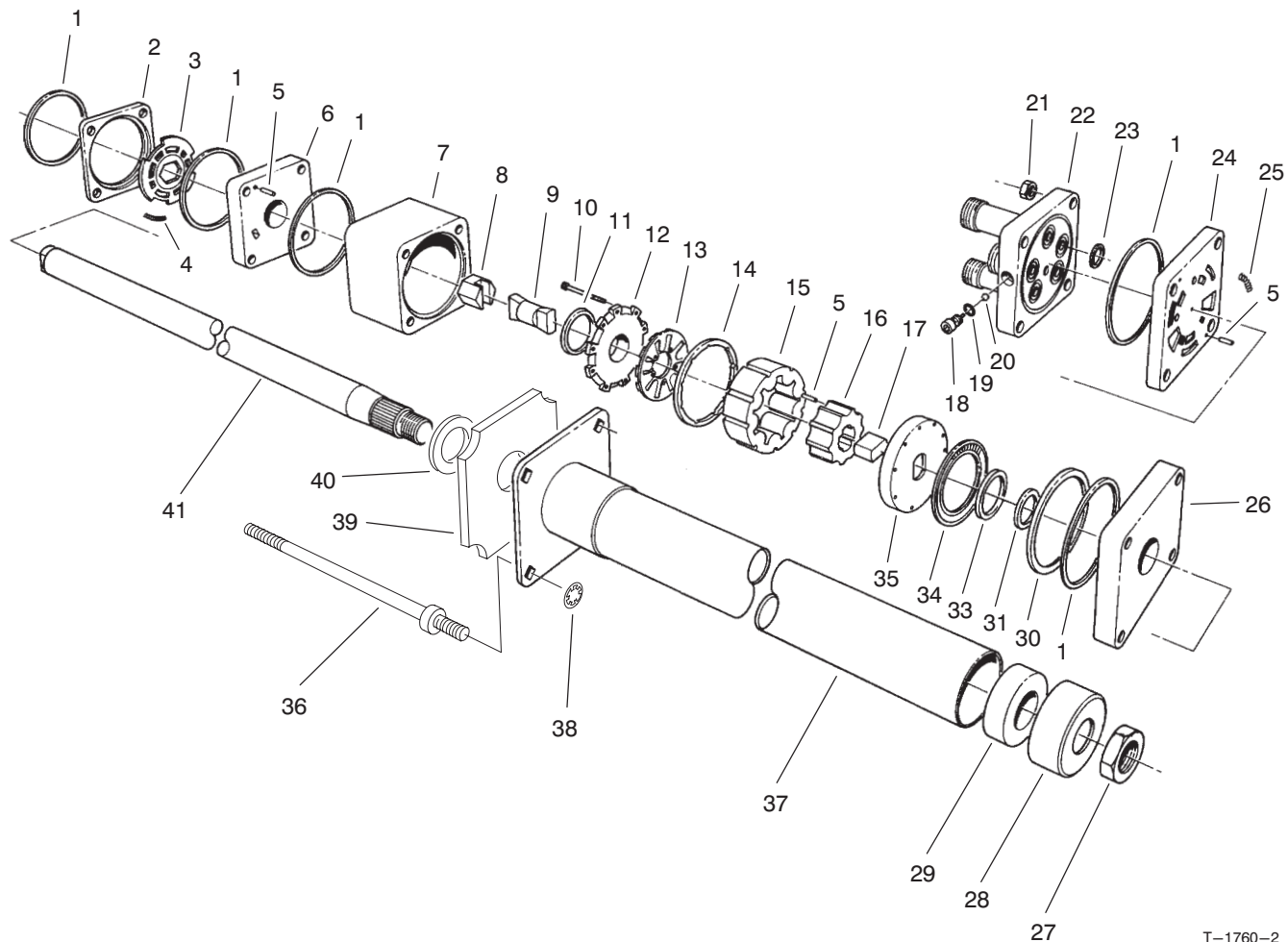


T-1247-1

POWER STEERING & BRAKE PEDAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3256-23	Washer - Flat	4	24	32121-50	Pin - Roll	1
2	3296-20	Nut - Lock	4	25	3296-42	Nut - Lock	1
3	92-7308	Power Steering Valve Assy. (Incl. Ref. #7)	1	26	63-6180	Brake Pedal Assy. L.H. (Incl. Ref. #27 & 30)	1
4	322-5	Screw - Cap Hex. Hd.	2	27	256-42	Bushing	4
5	3220-6	Nut - Hex.	1	28	7-3900	Foot Pad - Brake	2
6	75-0560	Steering Wheel Assembly (Incl. Ref. #7 & 41)	1	29	63-6190	Brake Pedal Assy. R.H. (Incl. Ref. #27 & 30)	1
7	68-5140	Steering Wheel Cap Assy. (Incl. Ref. #41)	1	30	302-5	Fitting - Grease	2
8	233-17	Knob	1	31	66-8140	Hose	1
9	63-7910	Rod - Brake Latch	1	32	66-8630	Tube - Hydraulic (Str.-Lift)	1
10	3296-29	Nut - Lock	2	33	66-8620	Tube Hydraulic (Pump-Str.)	1
12	3-3251	Spring	1	34	2412-36	Clamp	2
13	3272-5	Pin - Cotter	3	35	3256-22	Washer - Flat	3
14	3256-26	Washer - Flat	1	36	237-30	O-Ring	2
15	63-7900	Rack - Brake	1	37	66-8170	Hose - Hydraulic	2
16	63-7730	Cable - Brake R.H.	1	38	237-22	O-Ring	2
*	63-7731	Cable - Brake L.H.	1	39	21-9260	Cover - Dust	1
17	283-58	Pin - Clevis	4	40	68-5370	Decal - Toro	1
18	3272-10	Pin - Cotter	5	41	32144-21	Screw - Pan Hd. Phillips	1
19	63-6750	Link - Brake Cable	2	42	3256-23	Washer - Flat	2
20	3-7243	Spring - Return	2	43	84-7670	Foam - Column Support	2
21	321-3	Screw - Cap Hex. Hd.	1	44	84-7660	Clamp - Column	1
22	63-6210	Pin - Brake	1	45	3256-69	Washer - Flat	A/R
23	63-7880	Pin - Brake Latch	1	47	44-8530	Sock - Hose	1

*Not Illustrated



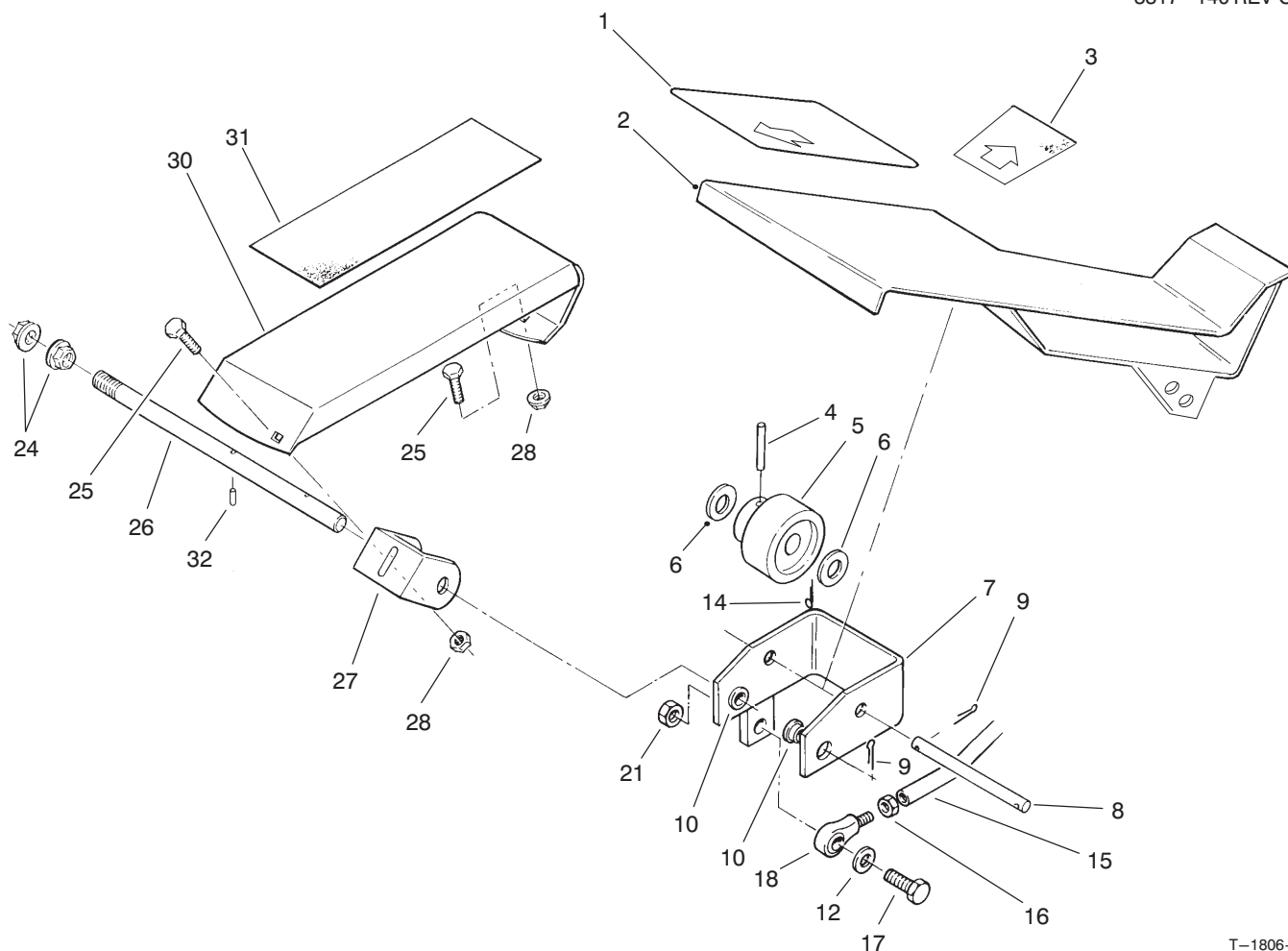
T-1760-2

STEERING VALVE ASSEMBLY NO. 92-7308

Ref. No.	Part No.	Description	No. Used
1		Ring - Seal	5
2		Ring - Valve	11
3		Plate - Valve	1
4		Spring	3
5		Pin - Alignment	9
6		Manifold - Isolation	1
7		Ring - Metering	1
8		Assembly - Hex. Drive	1
9		Link - Drive	1
10		Screw - Hex. Socket Hd.	11
11		Seal - Commutator	1
12		Cover - Commutator	1
13		Commutator	1
14		Ring - Commutator	1
15		Stator	1
16		Rotor	1
17		Spacer - Drive Link	1
18		Plug	1
19		O-Ring	1
20		Ball	1
21		Nut - Hex.	4
22		Cover - Port	1
23		O-Ring	5
24		Manifold - Port	1
25		Spring	3

Ref. No.	Part No.	Description	No. Used
26		Plate - Upper Cover	1
27	3220-6	Nut	1
28	92-7315	Seal	1
29		Bearing	1
30		Spacer - Thrust Bearing	1
31		Spacer - Seal	1
33		Seal - Face	1
34		Bearing - Thrust	1
35		Plate - Drive	1
36	92-7310	Bolt - Special	4
37		Upper Cover & Jacket	1
38	92-7316	Nut - Push On	1
39	92-7317	Foam	1
40		Washer - Retaining	1
41		Shaft - Input	1
*	66-9970	Spring Kit (Incl. Ref. #4 & 25)	1
*	66-9980	Seal Kit (Incl. Ref. #1, 11, 19, 23 & 33)	1
*	66-9990	Needle Roller Kit (Incl. Ref. #5)	1
*	92-7314	Column Assembly (Incl. Ref. #27-29 & 37-41)	1

*Not Illustrated

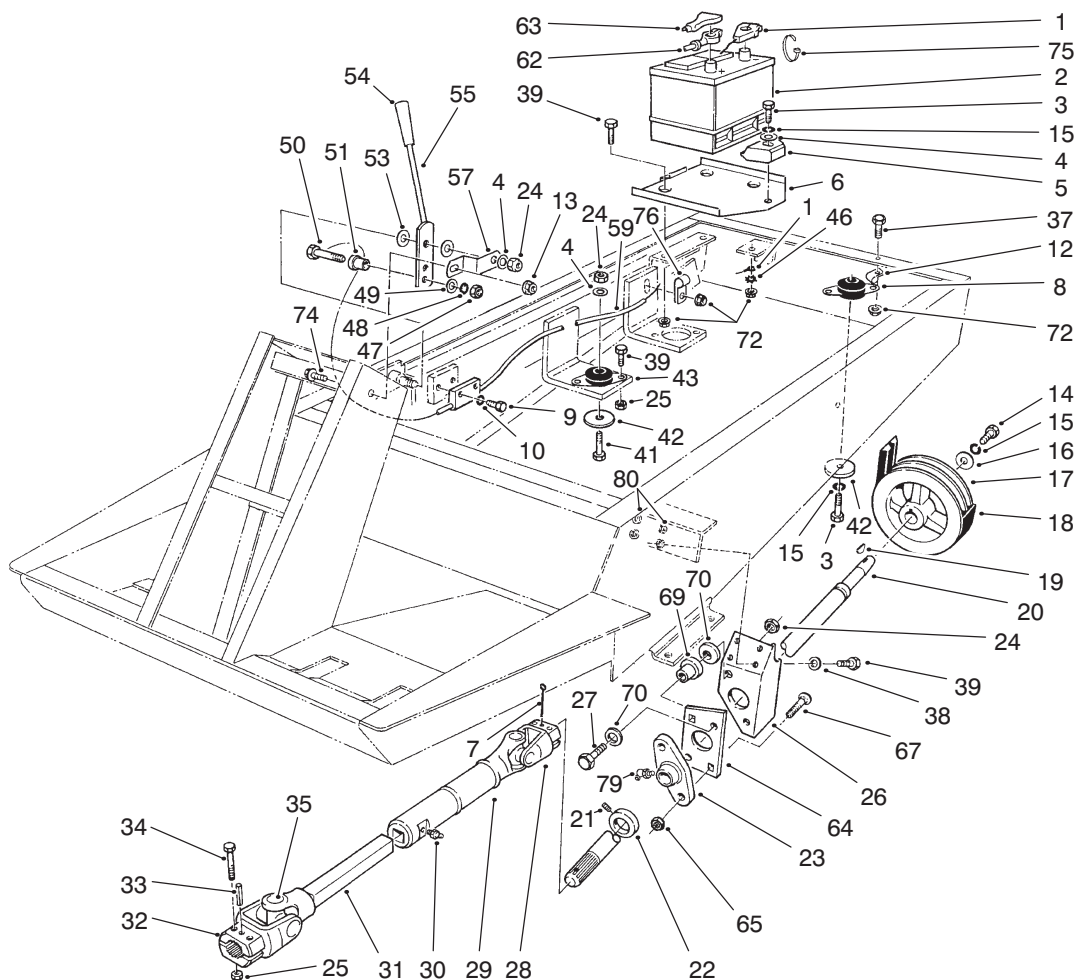


T-1806-1

TRACTION PEDAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	94-3307	Pad - Traction Pedal Front	1
2	94-3591	Pedal - Traction	1
3	94-3308	Pad - Traction Pedal Rear	1
4	32121-6	Pin - Roll	1
5	28-5220	Wheel - Friction	1
6	5-7570	Washer	2
7	92-8854	Bracket - Pivot	1
8	92-5537	Pin - Pedal, Pivot	1
9	3272-10	Pin - Cotter	2
10	256-156	Bushing - Flange	2
12	3256-24	Washer - Flat	1
14	3272-6	Pin - Cotter	1
15	63-6410	Rod - Pump Control	1

Ref. No.	Part No.	Description	No. Used
16	3220-3	Nut - Jam	1
17	323-29	Screw - Cap Hex. Hd.	1
18	2411-36	End - Rod	1
21	3296-39	Nut - Lock	1
24	32128-56	Nut - Flange	2
25	3230-2	Bolt - Carriage	2
26	92-5534	Shaft - Traction Pedal	1
27	92-5077	Bracket - Footrest	1
28	32128-44	Nut - Flange, Lock	2
30	92-5514	Footrest	1
31	92-5750	Pad - Footrest	1
32	32121-50	Pin - Roll	1



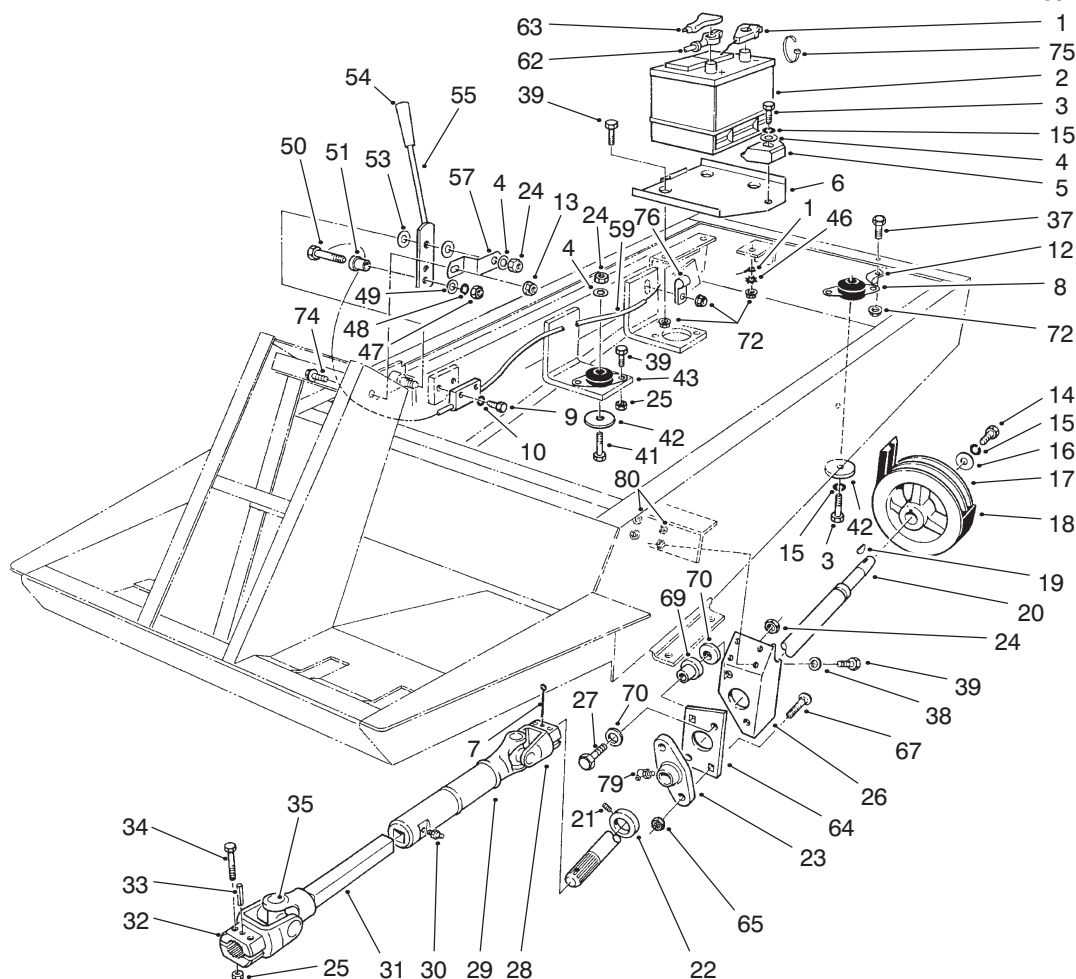
T-1072-2

POWER TAKE OFF, BATTERY, AND ENGINE MOUNT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	63-7340	Wire - Ground	1
†2		Battery	
		Type 26 SMF-5	1
3	323-9	Screw - Cap Hex. Hd.	2
4	3256-24	Washer - Flat	4
5	66-2490	Clamp - Battery Retainer	1
6	66-2330	Base - Battery	1
7	3272-15	Pin - Cotter	1
8	63-7141	Mount - Shock (Red)	1
9	321-4	Screw - Cap Hex. Hd.	2
10	3253-3	Washer - Lock	2
12	2412-104	R-Clamp	1
13	32128-33	Nut - Flange	1
14	323-18	Screw - Cap Hex. Hd.	1
15	3253-21	Washer - Lock	3
16	29-4730	Washer - PTO	1
17	43-5320	Pulley - PTO	1
18	63-6240	Belt - PTO	1
19	3257-5	Key - Woodruff	1
20	92-8855	Shaft - PTO	1
21	3246-1	Screw - Set	1
22	251-77	Collar - Locking	1
23	92-8799	PTO Shaft Bearing Assy. (Incl. Ref. #21 & 22)	1

Ref. No.	Part No.	Description	No. Used
24	3296-39	Nut - Lock	7
25	3296-29	Nut - Lock	12
26	92-8751	Bracket - PTO Bearing	1
27	323-10	Screw - Cap Hex. Hd.	2
28	54-9090	Yoke - End	1
29	54-9170	Tube - Slip Yoke	1
30	302-58	Fitting - Grease	1
31	54-9050	Shaft - Slip Yoke	1
32	54-9040	Yoke - End	1
33	32121-34	Pin - Roll	1
34	322-9	Screw - Cap Hex. Hd.	4
35	54-9180	Kit - Universal Joint	2
37	322-3	Screw - Cap Hex. Hd.	1
38	3253-4	Washer - Lock	4
39	322-5	Screw - Cap Hex. Hd.	15
41	323-11	Screw - Cap Hex. Hd.	3
42	63-7400	Washer - Rebound	4
43	63-7140	Mount - Shock (Blue)	3
46	3255-8	Washer - Lock, Ext. Tooth	1
47		Nut - Hex.	1
48		Washer - Lock, Int. Tooth	1
49		Washer - Flat	1
50		Screw - Special	1
51		Sleeve - Connector	1

†Obtain Locally



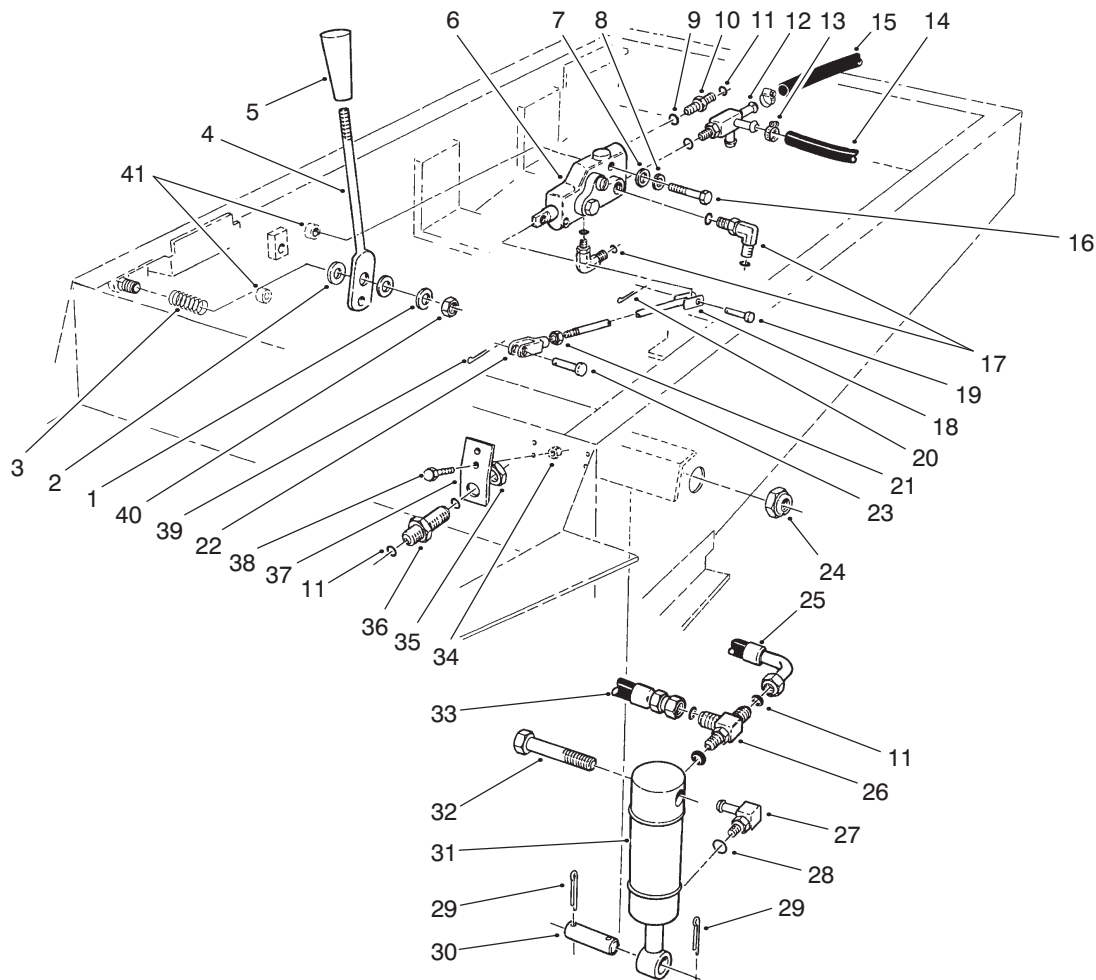
T-1072-2

POWER TAKE OFF, BATTERY, AND ENGINE MOUNT ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
53	66-2920	Washer - Friction	2
54	233-39	Knob	1
55	71-3500	Lever - Throttle	1
57	66-2670	Bracket - Throttle	1
59	76-1000	Cable - Throttle	1
62	43-4031	Cable - Battery Pos.	1
63	28-1280	Boot - Pos. Cable	1
64	84-7580	Plate - Bushing Support	1
65	32149-1	Nut - Lock	2
67	3230-4	Bolt - Carriage	2
69	63-9750	Mount	2

Ref. No.	Part No.	Description	No. Used
70	63-8410	Washer - Flat	4
72	32128-20	Nut - Flange	5
74	3234-13	Screw - Flange	2
75	3290-378	Tie - Cable	1
76	92-5753	Clamp - R	1
79	302-40	Fitting - Grease	1
80	32148-8	Nut - Clinch	4
*	63-6760	Throttle Cable Swivel Assy. (Incl. Ref. #47-51)	1
*	54-7950	Drive Shaft Assembly (Incl. Ref. #28-32 & 35)	1

*Not Illustrated

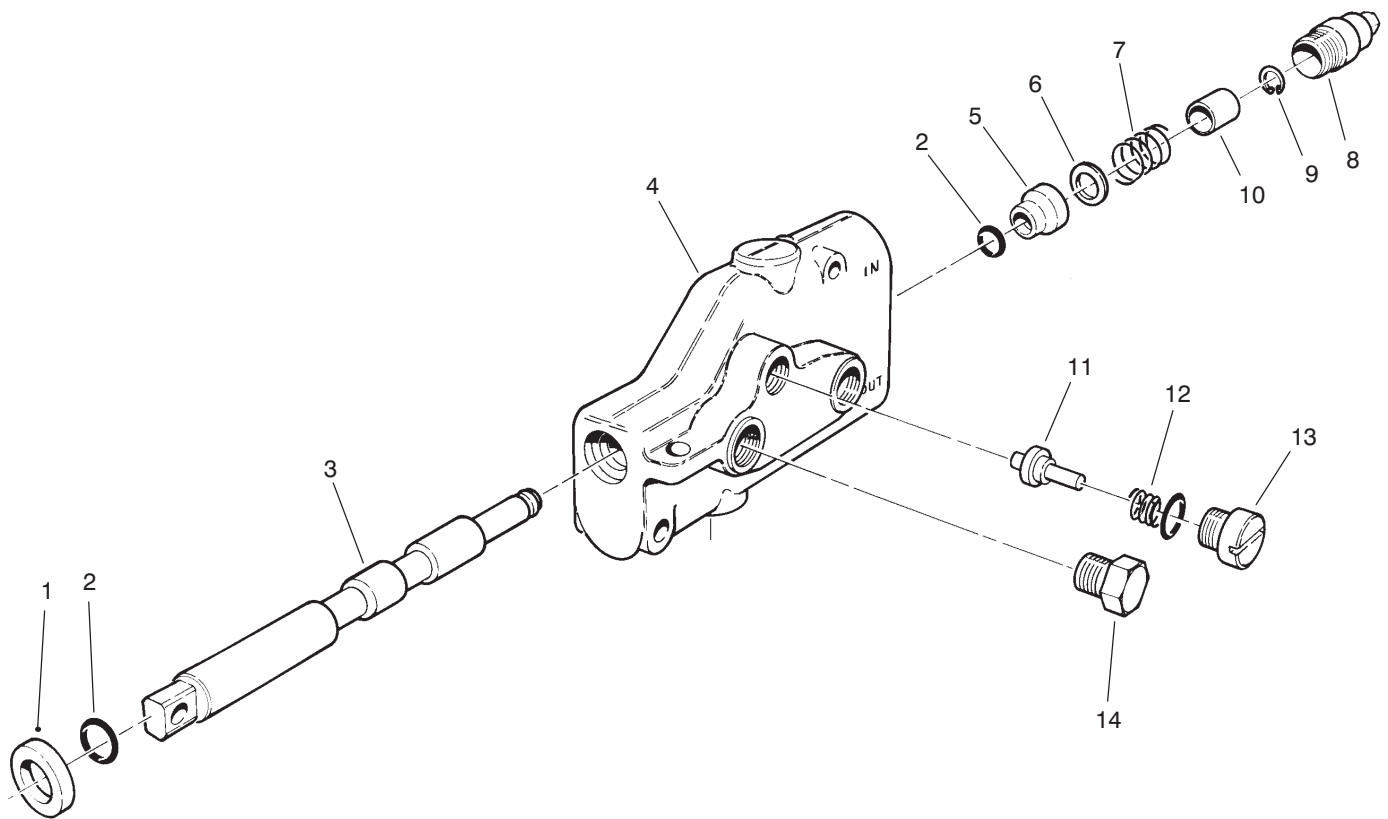


T-0531-3

HYDRAULIC LIFT SYSTEM ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3256-23	Washer - Flat	1	24	3296-15	Nut - Lock	2
2	3256-26	Washer - Flat	2	25	66-8190	Hydraulic Hose Assembly	1
3	70-7530	Spring - Compression	1	26	340-86	Fitting - Hydraulic Tee (Incl. Ref. #9 & 11)(Used On Cap End Left Cylinder)	1
4	66-2720	Lever - Lift	1	*	340-77	Fitting - Hydraulic 90° (Incl. Ref. #9 & 11)(Used On Cap End Right Cylinder)	1
5	233-39	Knob	1	27	304-99	Fitting - Hydraulic 90° (Incl. Ref. #28)	2
6	63-7960	Valve - Lift	1	28	237-22	Seal - O-Ring	2
7	3256-22	Washer - Flat	2	29	3272-23	Pin - Cotter	4
8	3253-3	Washer - Lock	2	30	27-4240	Pin - Cylinder	2
9	237-65	Seal - O-Ring	5	31	63-6630	Cylinder - Lift	2
10	340-2	Fitting - Hydraulic Straight (Incl. Ref. #9 & 11)	1	32	3216-3	Screw - Cap Hex. Hd.	2
11	237-22	Seal - O-Ring	7	33	66-8640	Hydraulic Hose Assembly	1
12	66-3130	Fitting - Hydraulic Tee (Incl. Ref. #9)	1	34	3296-42	Nut - Lock	2
13	2412-36	Clamp - Hose	3	35	340-70	Nut - Fitting	1
14	66-8150	Hose - Hydraulic	1	36	340-71	Fitting - Hydraulic Bulkhead (Incl. Ref. #11 & 35)	1
15	66-8500	Hose	1	37	63-7410	Bracket - Bulkhead	1
16	321-11	Screw - Cap Hex. Hd.	2	38	321-4	Screw - Cap Hex. Hd.	2
17	340-77	Fitting - Hydraulic 90° (Incl. Ref. #9 & 11)	2	39	3272-10	Pin - Cotter	1
18	76-4830	Rod - Tie	1	40	3296-29	Nut - Lock	1
19	283-16	Pin - Clevis	1	41	32148-11	Nut - Clinch	2
20	3272-5	Pin - Cotter	1				
21	3220-2	Nut - Jam R.H.	1				
22	282-27	Clevis	1				
23	283-58	Pin - Clevis	1				

*Not Illustrated

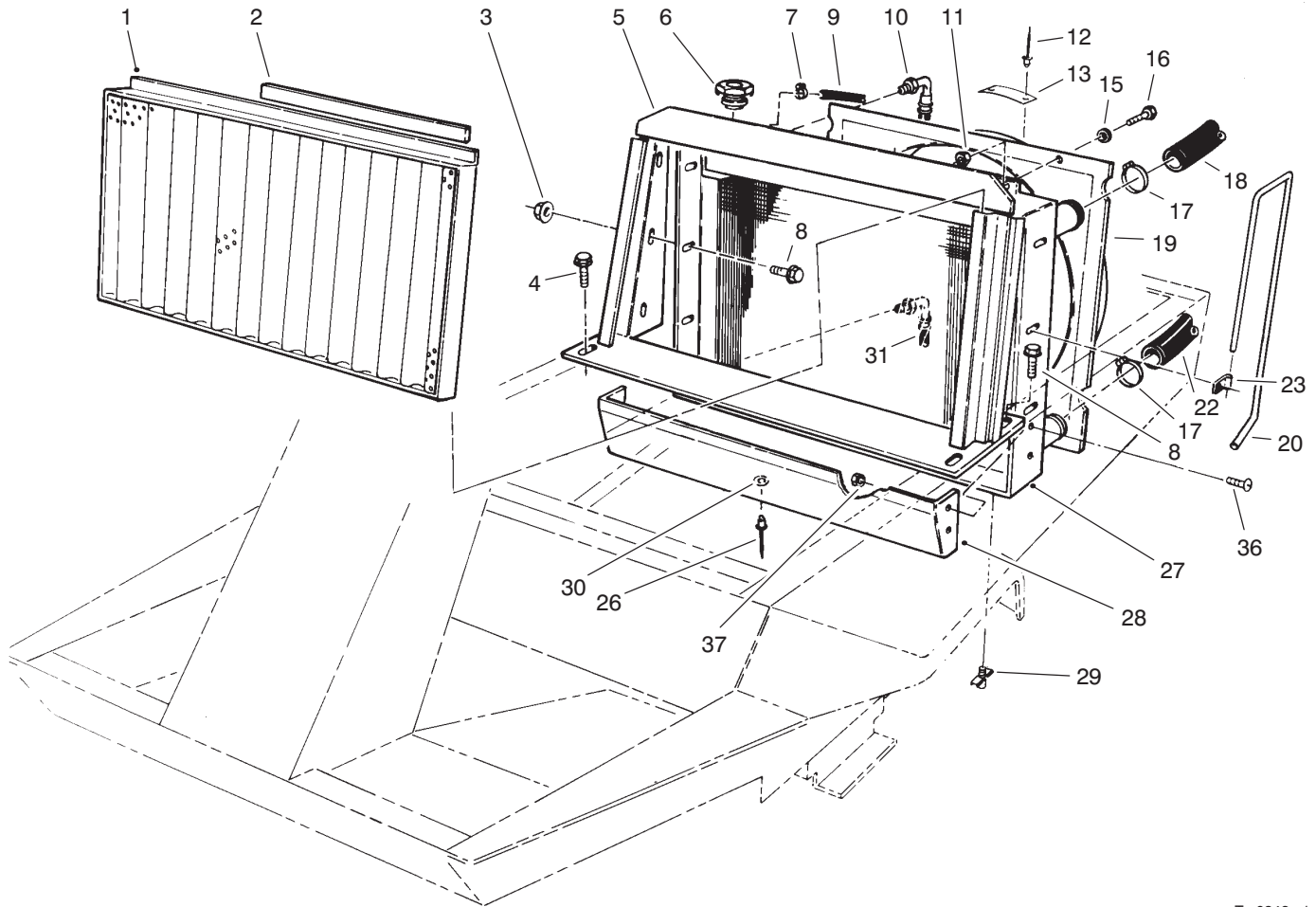


T-0532-1

LIFT VALVE ASSEMBLY NO. 63-7960

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	58-6320	Wiper - Seal	1	9	58-6460	Ring - Retaining	1
2	58-6450	O-Ring	2	10	65-2740	Spacer	1
3		Spool	1	11	65-2750	Plunger	1
4		Body	1	12	65-2760	Spring	1
5	58-6400	Bushing	1	13	65-2930	Plug Assembly	1
6	65-2770	Washer	1	14	353-508	Plug Assembly	1
7	65-2950	Spring	1	*	63-7960	Lift Valve Assembly (Incl. Ref. #3 & 4)	1
8	58-6420	Cap Assembly	1				

*Not Illustrated

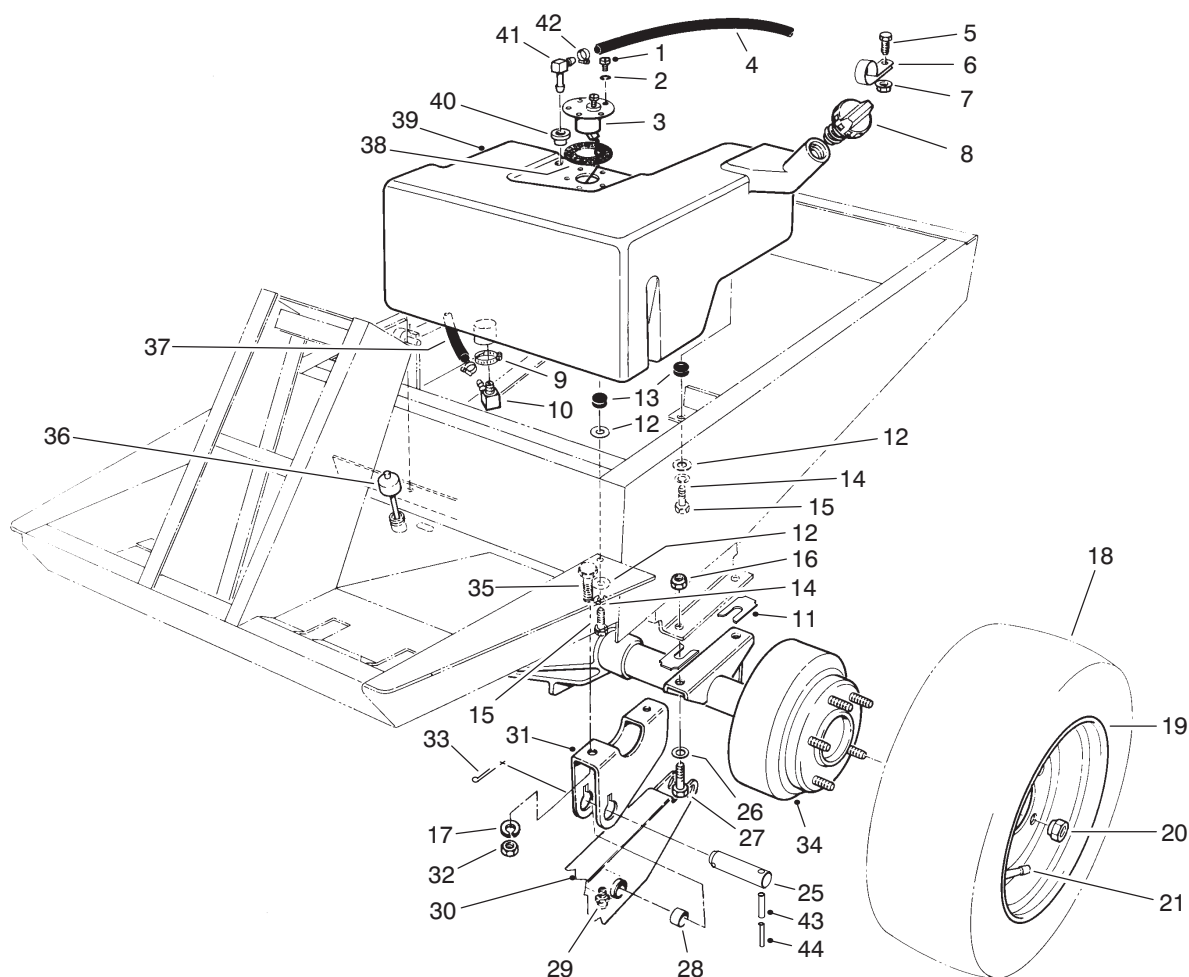


T-0842-1

RADIATOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	63-7700	Screen Frame Assembly	1
2	63-7710	Magnetic Strip	1
3	32128-20	Nut - Lock, Whiz	6
4	3234-17	Screw - Flange	2
5	92-5757	Radiator Support Assembly	1
6	66-3240	Cap - Radiator	1
7	2412-108	Clamp - Hose	2
8	3234-5	Screw - Flange	8
9	71-3384	Hose	1
10	66-8180	Hose Assembly	1
11	3296-42	Nut - Lock	4
12	76-8750	Plate - Warning	1
13	3290-271	Rivet	2
14	3256-22	Washer - Flat	4
15	321-4	Screw - Cap Hex. Hd.	4

Ref. No.	Part No.	Description	No. Used
17	2412-34	Clamp - Hose	4
18	63-6010	Hose - Upper	1
19	63-6510	Shroud - Fan	1
20	71-1540	Tube - Vent	1
22	63-6020	Hose - Lower	1
23	2412-103	R-Clamp	2
26	3269-13	Rivet	3
27	63-6150	Radiator Assembly	1
28	63-6440	Shield - Radiator	1
29	304-46	Drain Cock	1
30	3269-10	Washer - Flat	3
31	66-8500	Hose Assembly	1
36	3249-3	Screw - Round Hd.	2
37	3217-29	Nut - Hex.	2

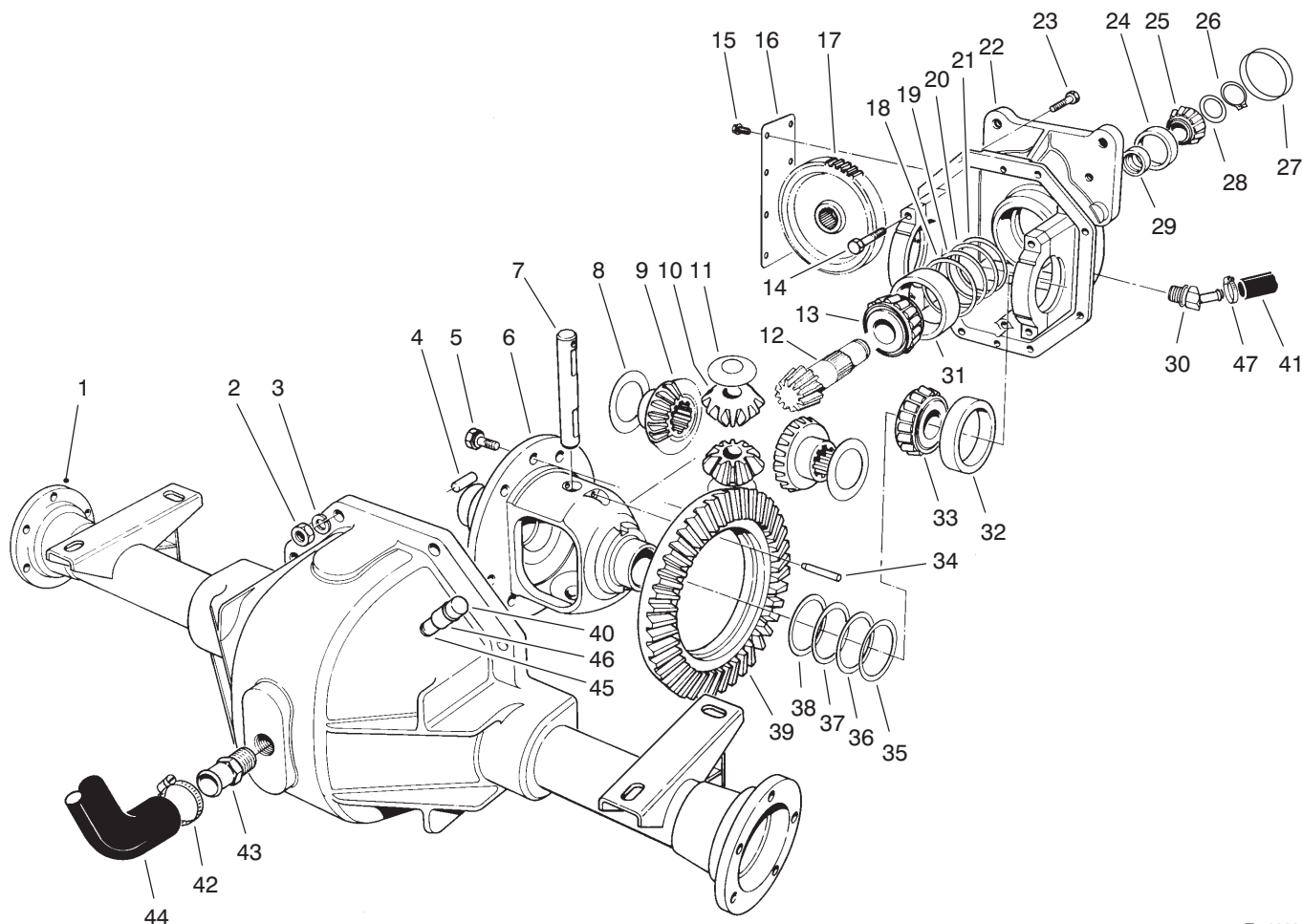


T-0840-1

FUEL TANK AND AXLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	32122-24	Screw – Machine	5	25	92-9788	Pivot Pin Assembly (Incl. Ref. #43 & 44)	2
2	3253-15	Washer – Lock	5	26	3256-25	Washer – Flat	4
3	63-7640	Sender – Fuel	1	27	324-5	Screw – Cap Hex. Hd.	4
4	63-7630	Hose	1	28	256-101	Bushing	4
5	322-5	Screw – Cap Hex. Hd.	1	29	302-62	Fitting – Grease	2
6	2412-96	R-Clamp	1	30	76-3090	Lift Arm – L.H. (Incl. Ref. #28 & 29)	1
7	32128-20	Nut – Lock	1	*	76-3080	Lift Arm – R.H. (Incl. Ref. #28 & 29)	1
8	93-3101	Cap – Fuel	1	31	92-9786	Carrier Bracket	2
9	2412-36	Clamp	1	32	3219-6	Nut – Hex.	4
10	353-536	Fitting – 90°	1	33	3272-17	Pin – Cotter	2
11	42-6080	Shim – Axle	A/R	34	86-9640	Axle Assembly	1
12	3256-67	Washer – Flat	3	35	3273-38	Screw – Socket Hd.	4
13	237-136	Grommet	3	36	66-3060	Dipstick – Differential	1
14	3253-3	Washer – Lock	3	37	71-3380	Hose – Fuel	1
15	321-5	Screw – Cap Hex. Hd.	3	38	62-7650	Gasket	1
16	3296-48	Nut – Lock	4	39	92-8874	Tank – Fuel	1
17	3253-8	Washer – Lock	4	40	46-6560	Bushing	1
18	231-101	Tire	2	41	46-6550	Connector – 90°	1
*	231-95	Tire – 23" x 10.5" x 12" (Optional)	2	42	2412-108	Clamp	4
19	217-117	Rim	2	43	32121-49	Pin – Spring	2
*	217-116	Rim – 23" x 10.5" x 12" (Optional)	2	44	32121-71	Pin – Spring	2
20	23-7270	Nut – Lug	10	*	62-7020	Wheel & Tire Assembly (23" x 10.5" x 12") (Optional)	2
21	232-27	Valve Stem w/Cap	2				

*Not Illustrated



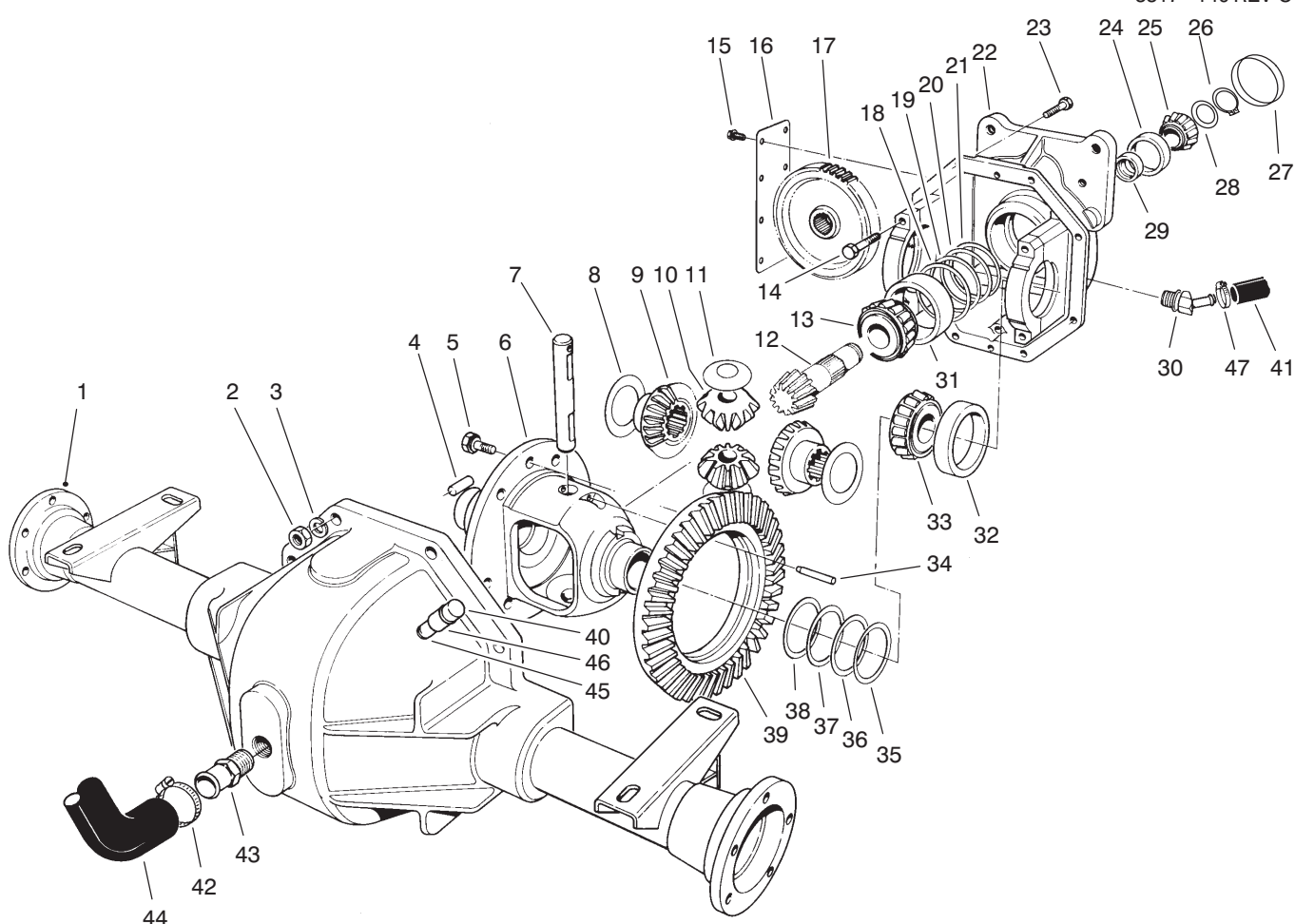
T-1969-1

DIFFERENTIAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	63-8090	Assembly - Lower Housing	1
2	3219-2	Nut	8
3	3255-8	Washer - Lock	8
4	21-8270	Pin - Dowel	2
5	21-7770	Screw - Drive Gear	5
6	21-7670	Differential Case	1
7	21-7700	Shaft - Pinion Mate	1
8	21-7720	Washer - Thrust	2
9	24-8790	Gear - Bevel, Differential	2
10	21-7690	Gear - Pinion	2
11	21-7730	Washer - Thrust	2
12		Drive Pinion	1
13	43-6760	Cone - Bearing, Tapered	1
14	92-1773	Screw - Cap Hex. Hd.	4
15	12-5450	Screw - Thread Forming	8
16	21-7830	Cover - Gear	1
17	86-7230	Gear - Spur	1
18	43-6710	Shim Adjusting Differential Bearing .003	A/R
19	43-6711	Shim Adjusting Differential Bearing .005	A/R
20	43-6712	Shim Adjusting Differential Bearing .010	A/R
21	43-6713	Shim Adjusting Differential Bearing .030	A/R
22	86-7930	Upper Housing Assembly (Incl. Ref. #14)	1
23	3210-7	Screw - Cap Hex. Hd.	8

Ref. No.	Part No.	Description	No. Used
24	254-90	Cup - Bearing	1
25	254-91	Cone - Bearing	1
26	43-6550	Ring - Retaining	1
27	21-7850	Cap Plug	1
28	46-2210	Shim Front Pinion Bearing (.031)	A/R
*	46-2211	Shim Front Pinion Bearing (.033)	A/R
*	46-2212	Shim Front Pinion Bearing (.035)	A/R
*	46-2213	Shim Front Pinion Bearing (.037)	A/R
*	46-2214	Shim Front Pinion Bearing (.039)	A/R
*	46-2215	Shim Front Pinion Bearing (.041)	A/R
*	46-2216	Shim Front Pinion Bearing (.043)	A/R
*	46-2220	Shim Front Pinion Bearing (.045)	A/R
*	46-2221	Shim Front Pinion Bearing (.047)	A/R
*	46-2222	Shim Front Pinion Bearing (.049)	A/R
*	46-2223	Shim Front Pinion Bearing (.051)	A/R
*	46-2224	Shim Front Pinion Bearing (.053)	A/R

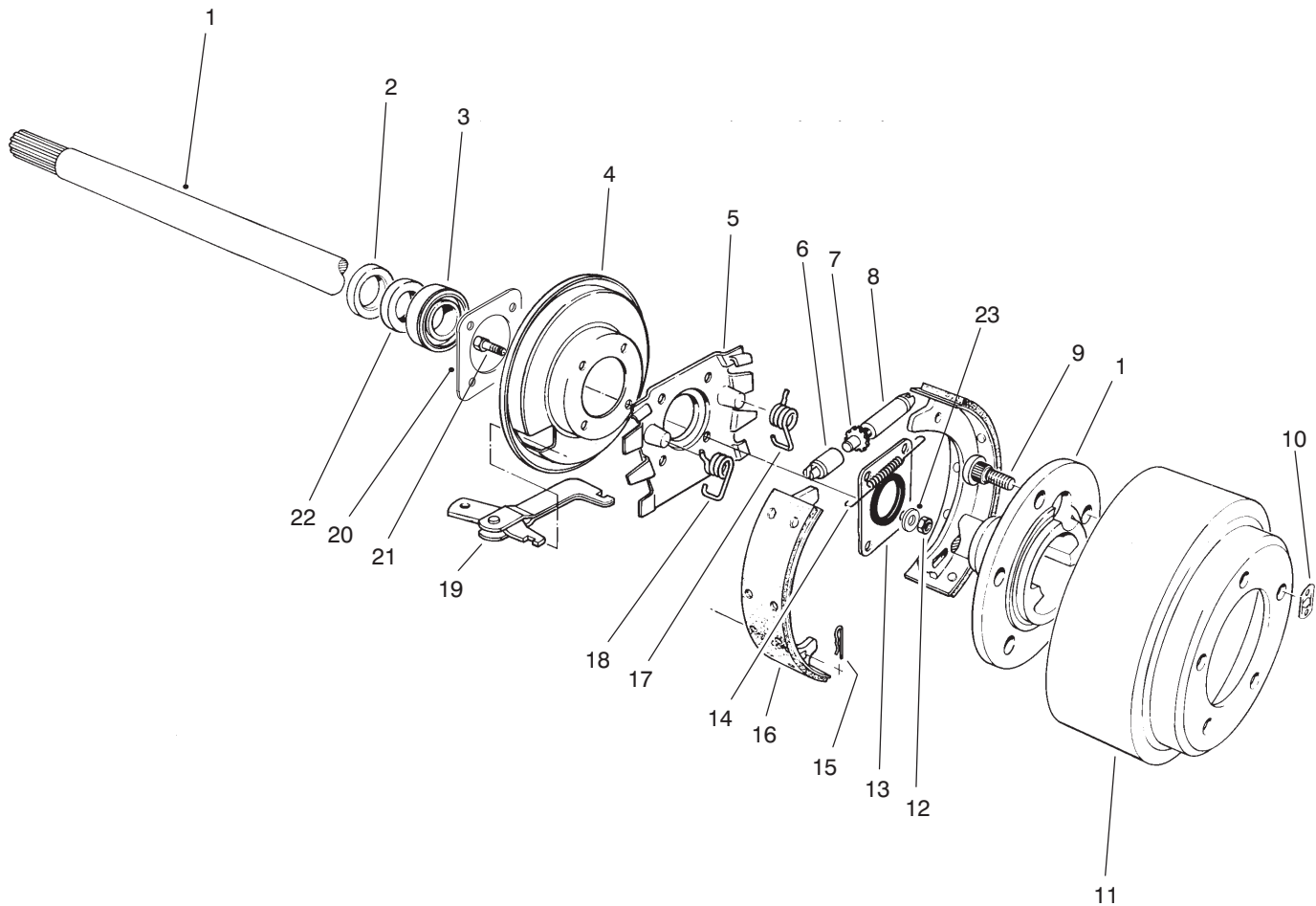
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T-1969-1

DIFFERENTIAL ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
*28	46-2225	Shim Front Pinion Bearing (.055)	A/R	*	46-2425	Shim Front Pinion Bearing (.086)	A/R
*	46-2226	Shim Front Pinion Bearing (.057)	A/R	*	46-2426	Shim Front Pinion Bearing (.088)	A/R
*	46-2410	Shim Front Pinion Bearing (.062)	A/R	29	21-8020	Spacer - Frt. Pinion Bearing	1
	46-2411	Shim Front Pinion Bearing (.064)	A/R	30	92-5088	Fitting - 45°	1
*	46-2412	Shim Front Pinion Bearing (.066)	A/R	31	43-6750	Cup - Tapered, Bearing	1
*	46-2413	Shim Front Pinion Bearing (.068)	A/R	32	254-66	Cup - Tapered, Bearing	2
*	46-2414	Shim Front Pinion Bearing (.070)	A/R	33	254-65	Cone - Tapered, Bearing	2
*	46-2415	Shim Front Pinion Bearing (.072)	A/R	34	32121-15	Pin - Roll	1
*	46-2416	Shim Front Pinion Bearing (.074)	A/R	35	21-8090	Diff. Adjust. Shim. .003	A/R
*	46-2420	Shim Front Pinion Bearing (.076)	A/R	36	21-8100	Diff. Adjust. Shim. .005	A/R
	46-2421	Shim Front Pinion Bearing (.078)	A/R	37	21-8110	Diff. Adjust. Shim. .010	A/R
*	46-2422	Shim Front Pinion Bearing (.080)	A/R	38	21-8120	Diff. Adjust. Shim. .030	A/R
*	46-2423	Shim Front Pinion Bearing (.082)	A/R	39		Gear - Ring	1
*28	46-2424	Shim Front Pinion Bearing (.084)	A/R	40	72-9420	Assembly - Vent	1
				41	92-5083	Hose - Hydraulic	1
				42	2412-34	Clamp - Hose	2
				43	354-71	Pipe Nipple	1
				44	77-0550	Tube - Fill	1
				45	289-6	Nipple - Pipe	1
				46	2810-1	Coupler	1
				*	92-4848	Assembly - Gear & Pinion (Incl. Ref. #12 & 39)	1
				47	2412-119	Clamp - Hose	1
				*	92-4909	Differential Carrier Assembly (Incl. Ref. #5-22, 24-29 & 31-39)	1



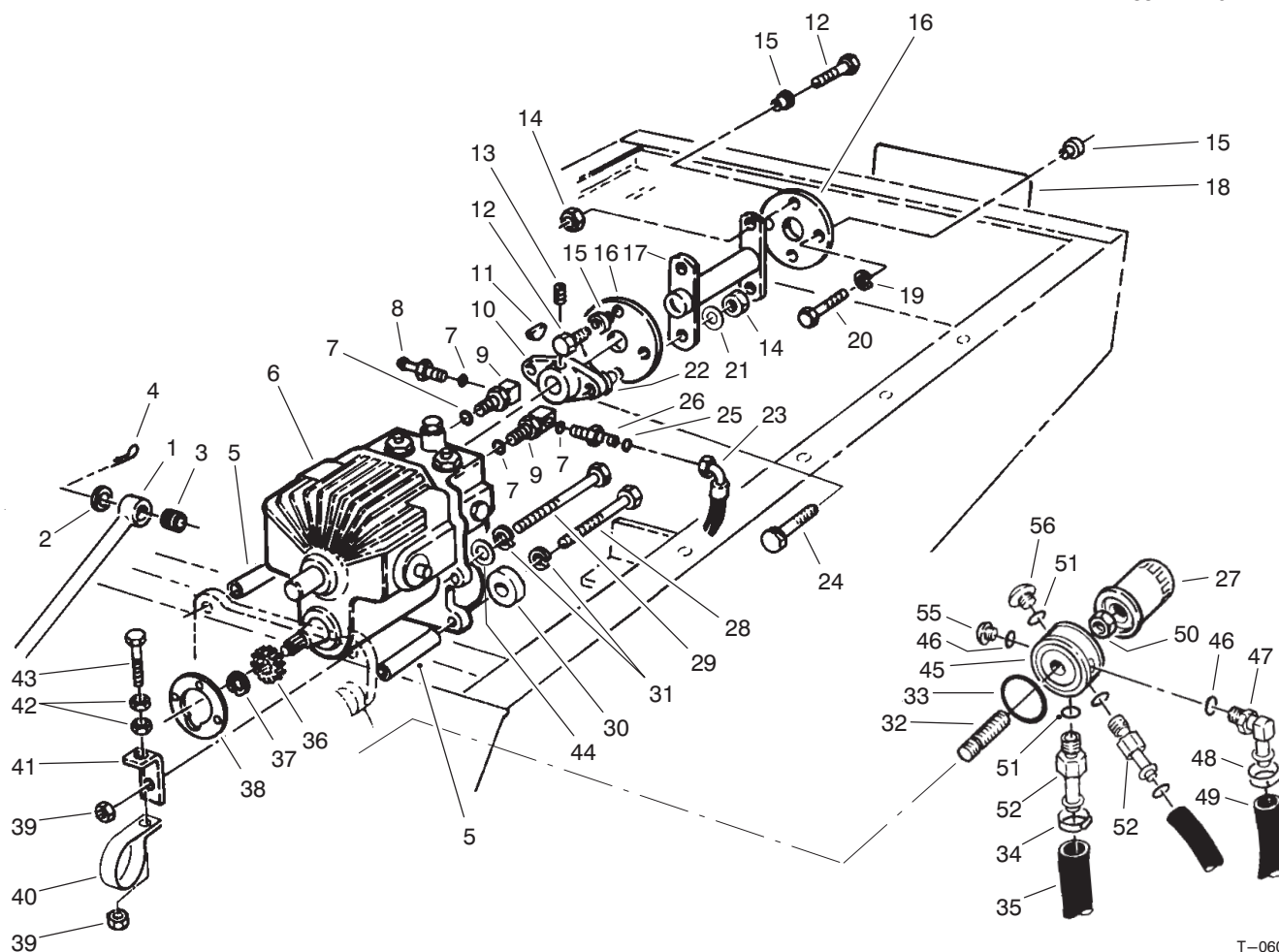
T-0535-2

BRAKE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	27-6861	Shaft - Flanged Axle L.H.	1
*	27-6851	Shaft - Flanged Axle R.H.	1
2	92-1774	Oil Seal	2
3	21-8180	Bearing - Tapered Roller	2
4	21-9450	Dust Shield	2
5	43-6810	Torque Spider	2
6	21-9390	Socket - Adjusting Screw	2
7	21-9370	Adjusting Screw	2
8	21-9380	Nut - Pivot	2
9	242-34	Stud - Axle Flange	10
10	21-8360	Clip - Retaining	2
11	28-0680	Brake Drum	2
12	94-6935	Nut - Lock, Flange Hd.	8

Ref. No.	Part No.	Description	No. Used
13	28-0670	Oil Seal	2
14	21-9440	Screw - Spring Adjusting	2
15	21-9460	Retainer - Parking Brake	4
16	84-8600	Brake Shoe Set (Incl. 4 Shoes)	1
17	21-9420	Spring - Shoe Return L.H.	2
18	21-9430	Spring - Shoe Return R.H.	2
19	24-9180	Strut/Lever - Parking Brake	2
20	93-7416	Insert - Shield, Dust	2
21	94-6934	Screw - Cap Hex. Hd.	8
22	24-8840	Ring - Wheel Bearing	2
23	94-6936	Washer - Flat	8
*	92-8775	Kit - Liquid Gasket	1

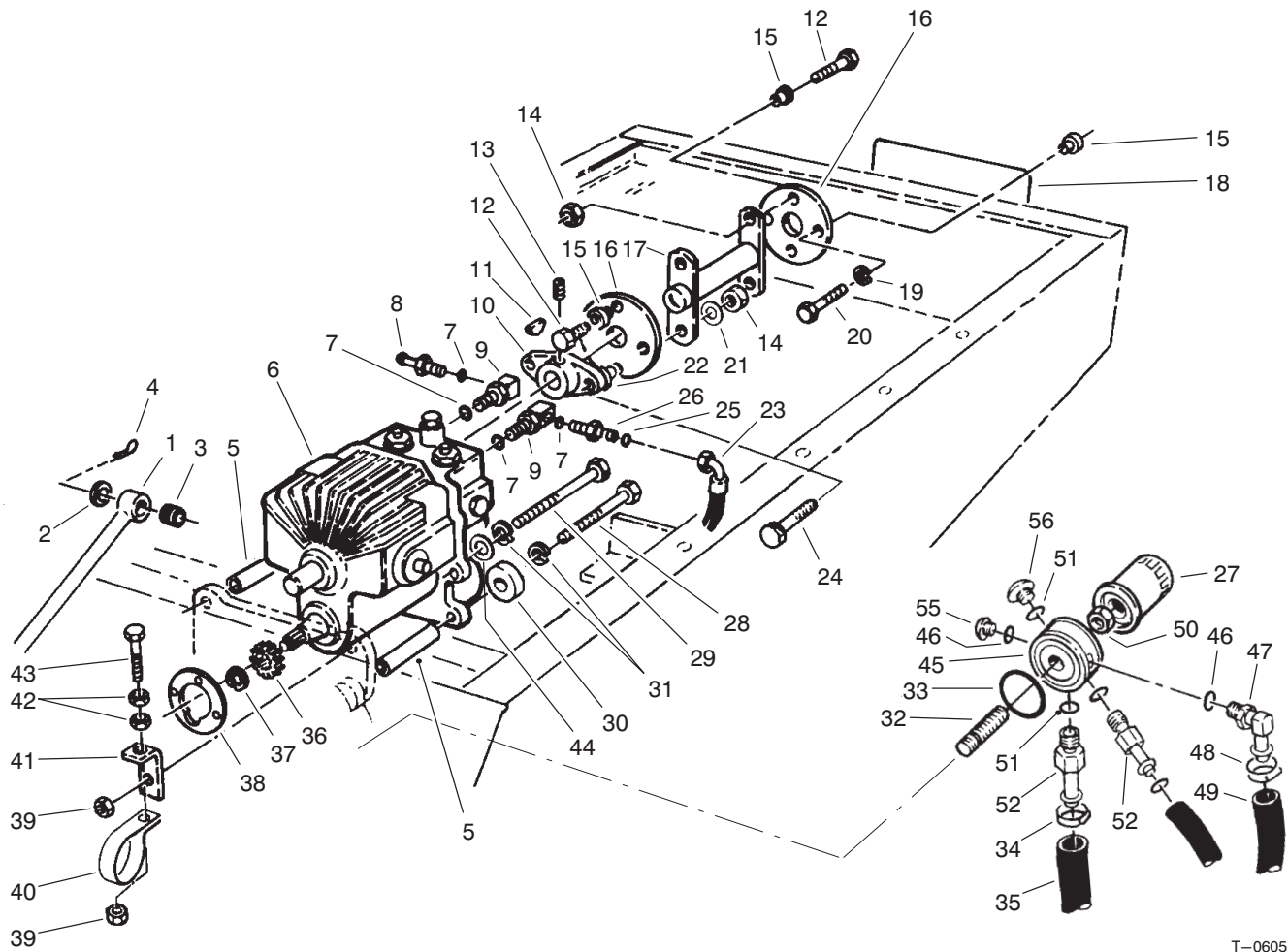
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T-0605-1

TRANSMISSION & DRIVE COUPLING ASSEMBLY

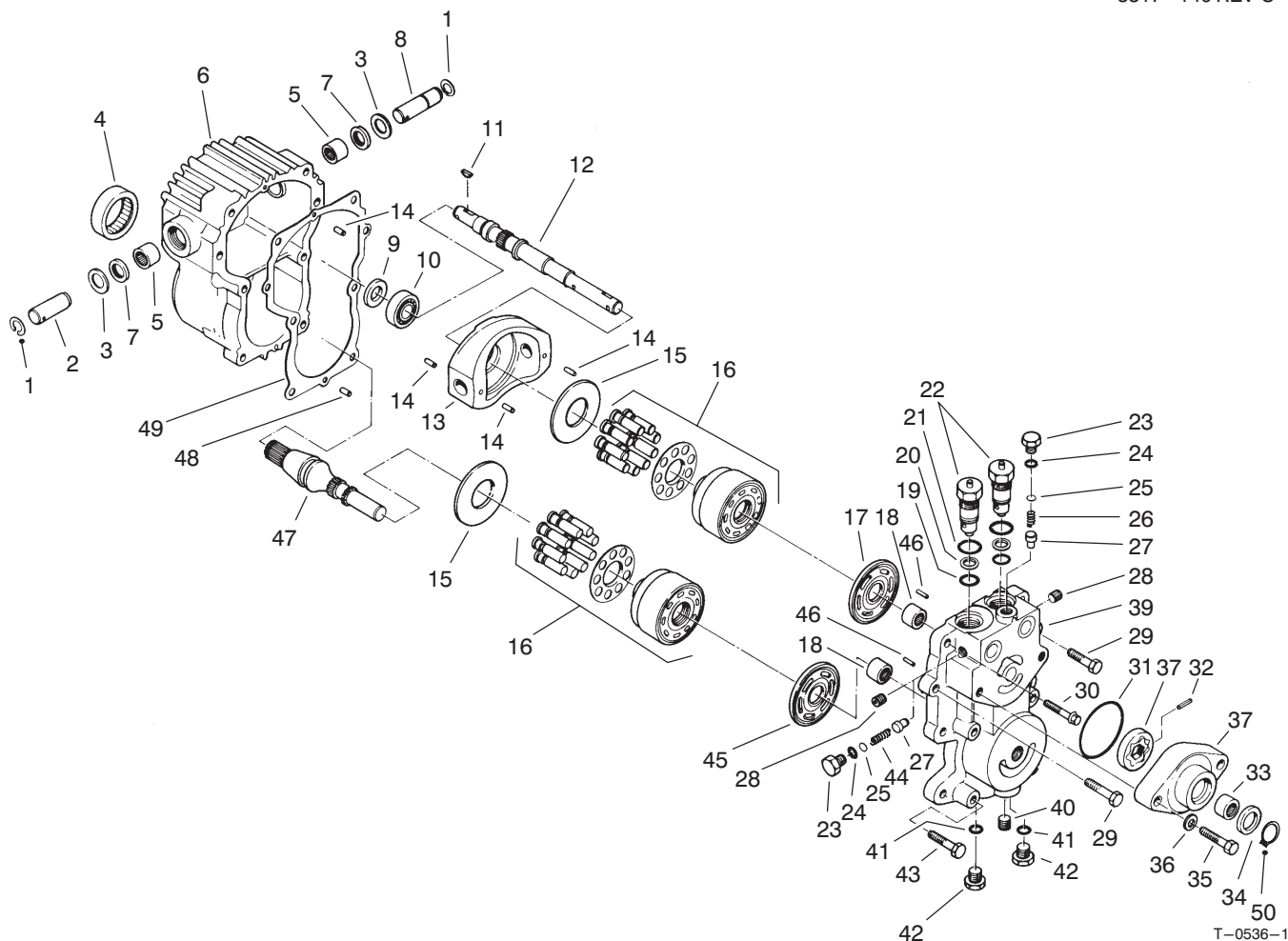
Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	63-6410	Tube - Traction Control	1	26	82-8530	Fitting	1
2	3256-26	Washer - Flat	1	27	23-2300	Oil Filter	1
3	23-2270	Bushing - Rubber	1	28	323-39	Screw - Cap Hex. Hd.	3
4	3272-10	Pin - Cotter	1	29	27-9620	Screw - Cap Hex. Hd.	1
5	27-3680	Spacer - Mounting	4	30	5-0652	Spacer	1
6	92-5513	Transmission	1	31	3253-21	Washer - Lock	4
7	237-42	O-Ring	4	32	92-5085	Union Filter	1
8	353-979	Hose Barb	1	33	92-5087	Seal - Adapter, Filter	1
9	66-3110	Hyd. Fitting	2	34	2412-108	Hose Clamp	4
10	27-4370	Hub - Pump	1	35	92-5082	Hose	2
11	3257-5	Key - Woodruff	1	36	86-7220	Gear - Spur	1
12	3210-5	Screw - Cap Hex. Hd.	4	37	32120-72	Ring - Retaining	1
13	3241-6	Screw - Set	2	38	27-3690	Gasket - Transmission	1
14	32152-5	Nut - Lock	6	39	3296-39	Nut - Lock	2
15	27-6600	Spacer - Rubber	6	40	2412-4	R-Clamp	1
16	44-2230	Coupling - Rubber	2	41	63-7170	Anchor - Transmission	1
17	63-6610	Drive Shaft	1	42	3218-3	Nut - Jam	2
18	62-7400	Decal - Toro	1	43	67-1900	Screw - Cap Hex. Hd.	1
19	42-9850	Washer - Lock	2	44	3256-24	Washer - Flat	1
20	48-9460	Screw - Cap Hex. Hd.	2	45	92-5076	Adapter - Filter	1
21	3256-71	Washer - Flat	2	46	237-79	O-Ring	2
22	27-6590	Spacer	2	47	92-5086	Fitting - Hydraulic 45° (Incl. Ref. #46)	1
23	66-8490	Hose Assembly	1	48	2412-119	Clamp - Hose	1
24	3210-8	Screw - Cap Hex. Hd.	2	49	92-5083	Hose - Hydraulic	1
25	237-22	O-Ring	1				



T-0605-1

TRANSMISSION & DRIVE COUPLING ASSEMBLY (Cont.)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
50	3220-7	Nut- Jam	1	55	353-988	Plug - Hydraulic (Incl. Ref. #46)	1
51	237-78	O-Ring	3	56	353-990	Plug - Hydraulic (Incl. Ref. #51)	1
52	92-5512	Fitting - Hydraulic, Straight (Incl. Ref. #51)	2				

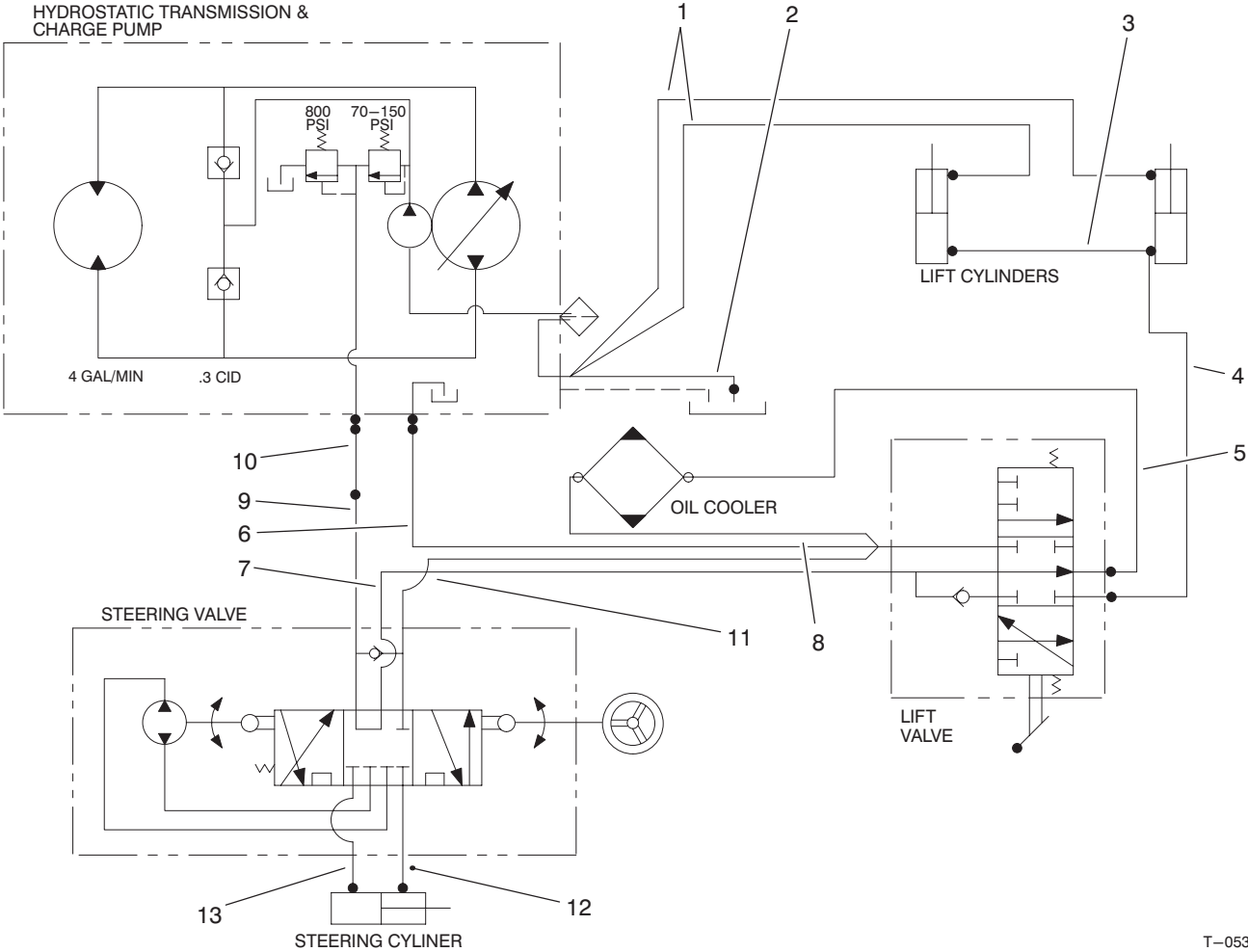


TRANSMISSION ASSEMBLY NO. 92-5513

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	32151-46	Ring - Retaining	2	27	28-3420	Relief Valve Cone Chg.	2
2	25-2500	Shaft - Trunnion	1	28	285-17	Plug - Pipe	4
3	25-2510	Washer	2	29	323-8	Screw - Cap Hex. Hd.	2
4	28-3300	Bearing - Roller	1	30	28-3530	Screw - Cap Hex. Hd.	2
5	28-3310	Bearing - Needle	2	31	28-3520	O-Ring	1
6	92-5709	Housing	1	32	38-2680	Pin	1
7	25-3210	Lip Seal	2	33	28-3480	Bearing - Needle	1
8	28-3670	Shaft - Trunnion	1	†34	28-3470	Lip Seal	1
9	93-4133	Lip Seal	1	‡34	94-2975	Shaft - Seal	1
10	28-3650	Bearing - Ball	1	35	324-23	Screw - Cap Hex. Hd.	2
11	3257-5	Key - Woodruff	2	36	28-3450	Washer - Flat	2
12	28-3640	Shaft - Pump	1	37	38-2670	Kit - Charge Pump (Incl. Ref. #31-34 & 50)	1
13	49-7820	Variable Swashplate	1	39	92-5716	Center Section	1
14	32121-91	Pin	3	40	92-5717	Plug - Pipe	1
15	25-2380	Plate - Thrust	2	41		O-Ring	2
16	48-1800	Kit - Cylinder Block	2	42	28-3440	Threaded Plug (Incl. Ref. #41)	2
17	46-7320	Plate - Pump Valve	1	43	323-10	Screw - Cap Hex. Hd.	4
18	25-3300	Bearing - Needle	2	44	25-2480	Relief Valve Spring Chg.	1
19	28-3590	O-Ring	2	45	28-3380	Plate - Motor Valve	1
20	28-3580	Ring - Backup	2	46	25-2430	Pin	2
21	28-3570	O-Ring	2	47	49-8200	Shaft - Motor	1
22	49-7830	Check Valve Assembly (Incl. Ref. #19-21)	2	48	28-3350	Pin	2
23	25-2460	Hex Hd. Plug	2	49	28-3340	Gasket	1
24	28-3400	O-Ring	2	‡50	94-2976	Ring - Retaining	1
25	25-2470	Shim Pack	A/R				
26	46-7310	Relief Valve Spring Imp.	1				

†Used on transmission serial no. 94-39999 and before

‡Used on transmission serial no. 94-40000 and up

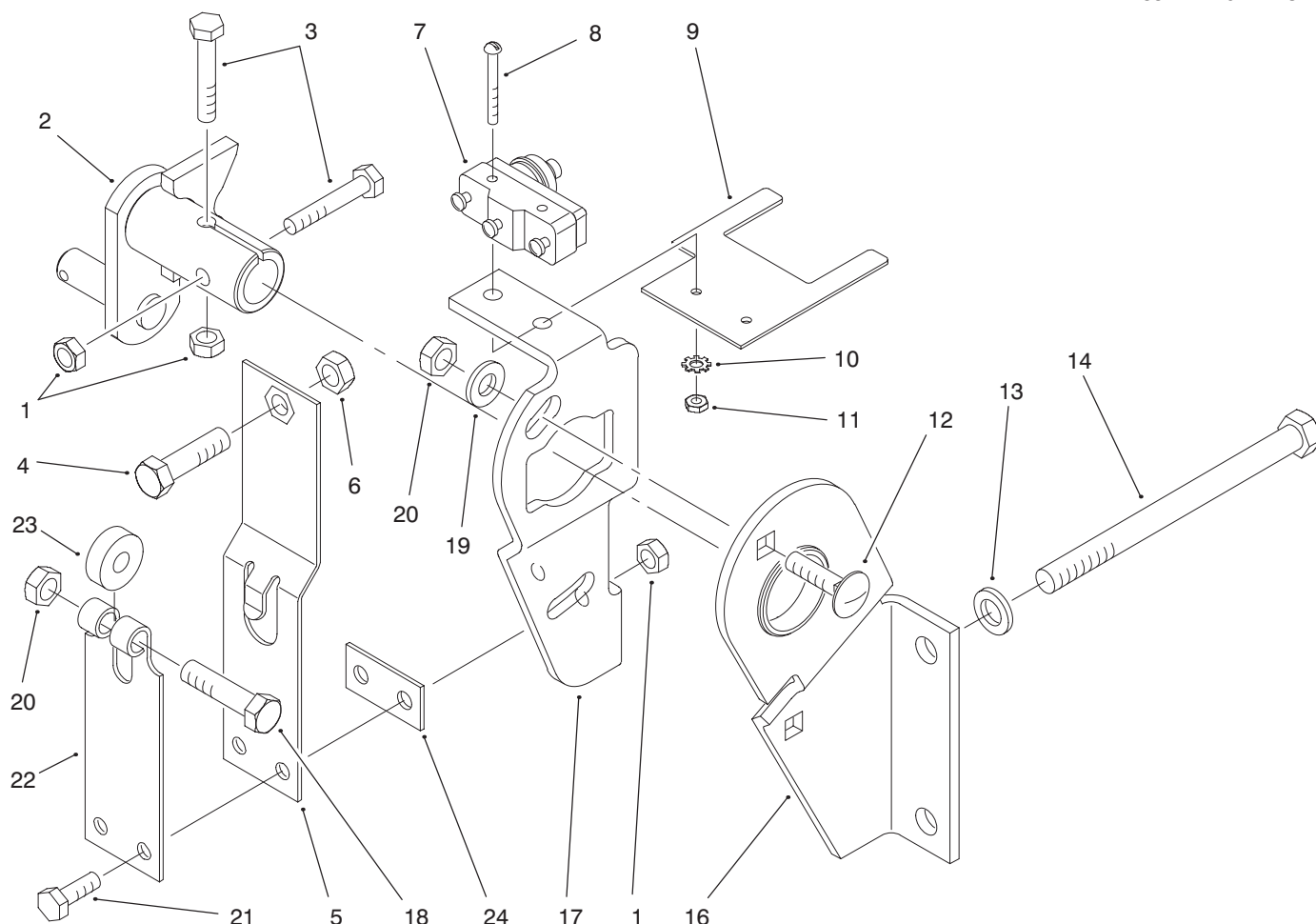


T-0537-4

HYDRAULIC SCHEMATIC

Ref. No.	Part No.	Description	No. Used
1	92-5082	Hose	2
2	92-5083	Hose	1
3	66-8190	Hose	1
4	66-8640	Hose	1
5	66-8180	Hose	1
6	66-8150	Hose	1

Ref. No.	Part No.	Description	No. Used
7	66-8630	Tube	1
8	66-8500	Hose	1
9	66-8620	Tube	1
10	66-8490	Hose	1
11	66-8140	Hose	1
12	66-8170	Hose	2

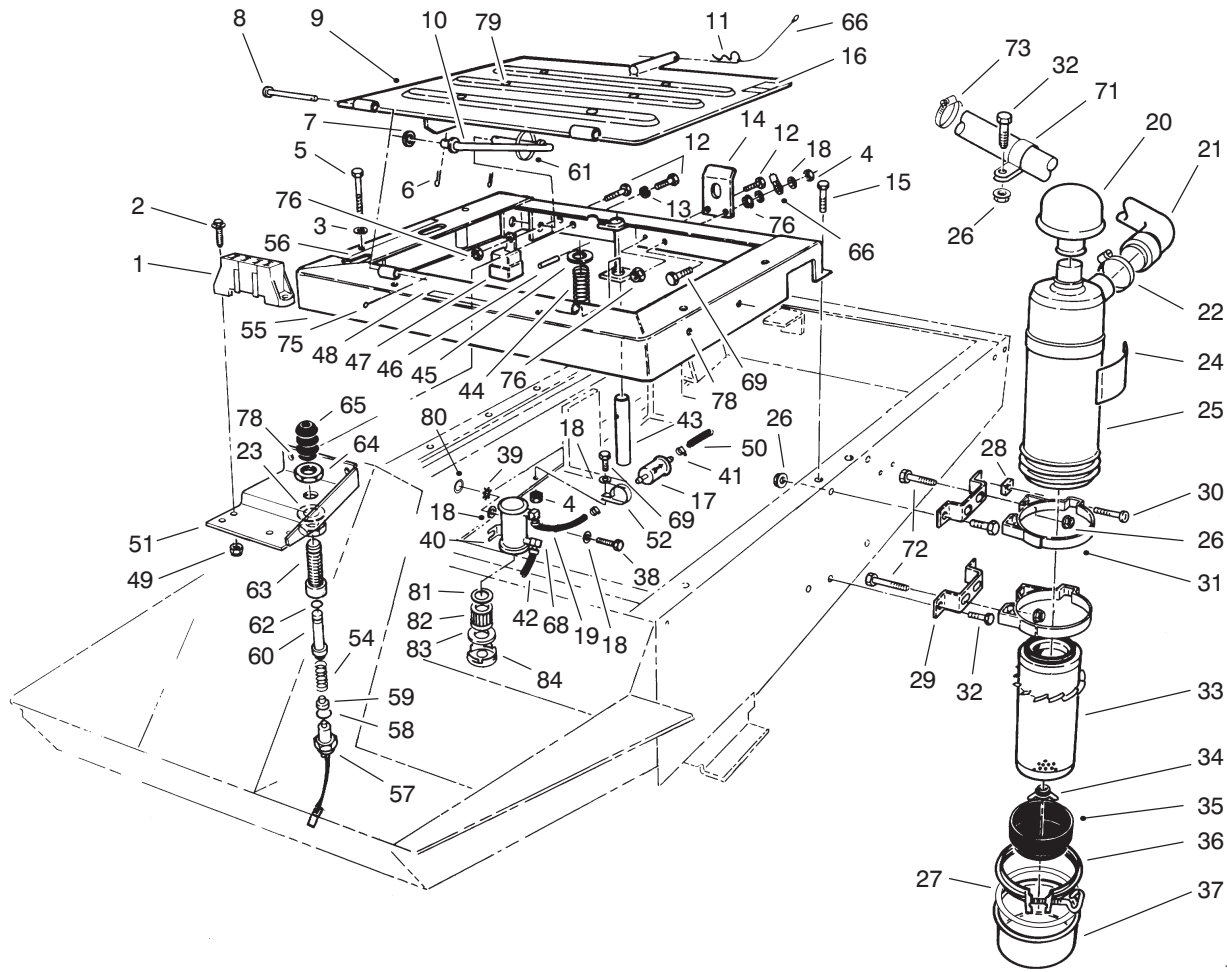


T-0538-2

TRANSMISSION INTERLOCK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3296-42	Nut - Lock	4
2	29-9790	Pump - Lever	1
3	321-9	Screw - Cap Hex. Hd.	2
4	3210-7	Screw - Cap Hex. Hd.	1
5	29-6170	Spring - Extended Leaf	1
6	3219-2	Nut - Hex.	1
7	29-6162	Micro Switch	1
8	3249-11	Screw - Round Hd.	2
9	46-8810	Stop - Leaf Spring	1
10	3254-9	Washer - Lock, Int. Tooth	2
11	3217-16	Nut - Hex.	2
12	3230-2	Carriage - Bolt	2

Ref. No.	Part No.	Description	No. Used
13	3253-21	Washer - Lock	2
14	323-39	Screw - Cap Hex. Hd.	2
16	52-8890	Bracket - Mounting	2
17	52-9070	Plate - Pump	1
18	322-17	Screw - Cap Hex. Hd.	1
19	3256-23	Washer - Flat	2
20	3296-29	Nut - Lock	3
21	321-4	Screw - Cap Hex. Hd.	2
22	29-6150	Spring - Leaf	1
23	251-259	Bearing - Ball	1
24	51-3150	Shim	1

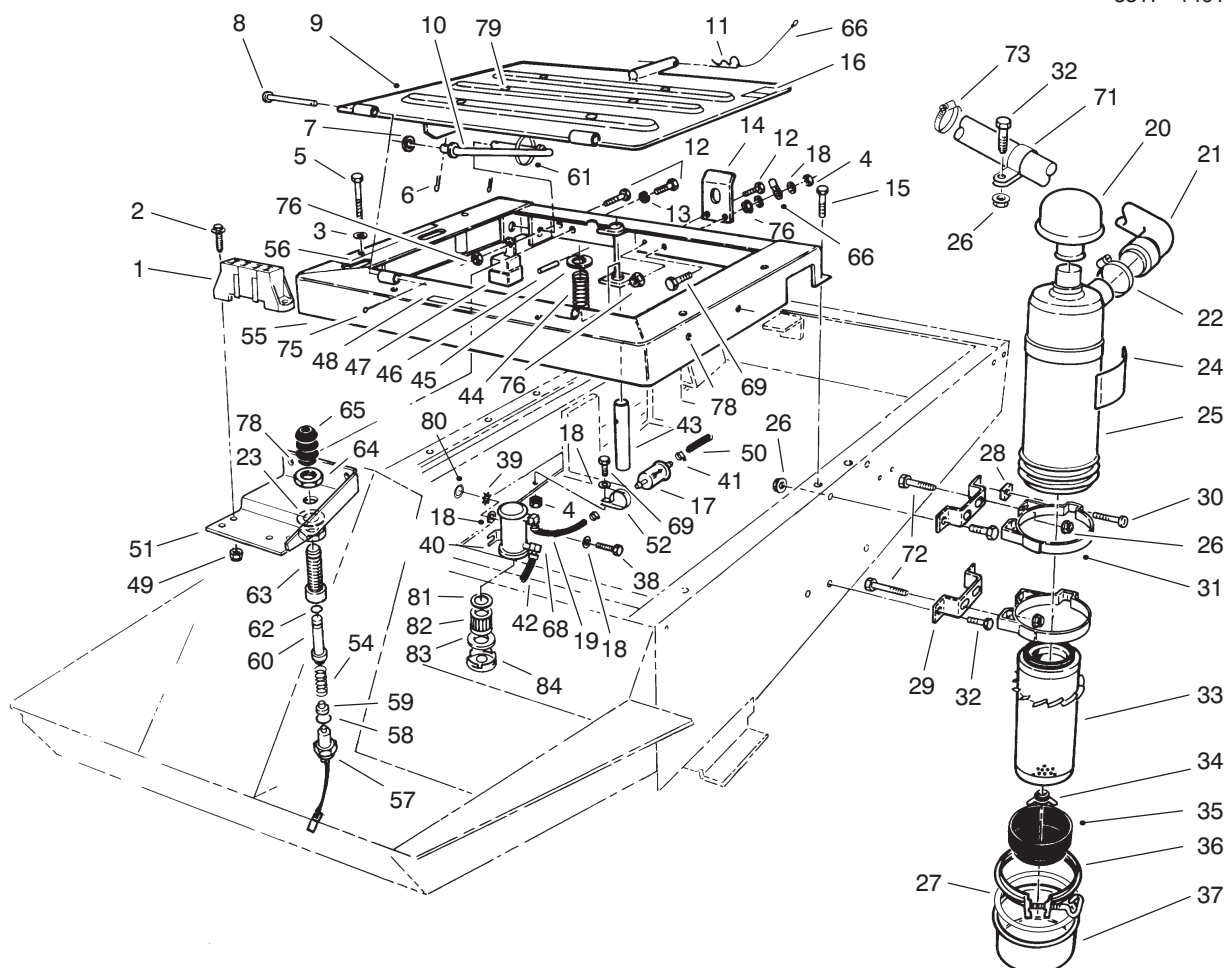


T-0839-1

SEAT FRAME & AIR CLEANER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67-7160	Fuse Block	1
2	32105-13	Screw - Cap Hex. Hd.	2
3	3256-23	Washer - Flat	6
4	3296-42	Nut - Lock	5
5	322-13	Screw - Cap Hex. Hd.	6
6	3272-11	Pin - Cotter	2
7	3256-24	Washer - Flat	1
8	283-49	Pin - Clevis	2
9	92-5759	Plate - Seat (Incl. Ref. #79)	1
10	66-2800	Rod - Seat Support	1
11	3290-255	Pin - Hair, Cotter	1
12	321-4	Screw - Cap Hex. Hd.	3
13	3253-3	Washer - Lock	2
14	66-2630	Latch - Seat	1
15	3234-17	Screw - Flange	2
16	71-3730	Decal - Gas	1
17	18-1520	Filter - Fuel	1
18	3256-22	Washer - Flat	7
19	71-3381	Hose	1
20	27-7180	Cap Assembly	1
21	71-3470	Hose - Air Cleaner Inlet	1
22	2412-42	Clamp - Hose	1
23	3256-69	Washer - Flat	1
24	27-7160	Decal - Instructions	1
25	27-7100	Air Cleaner Assembly (Incl. Ref. #24,27 & 33-37)	1

Ref. No.	Part No.	Description	No. Used
26	32128-20	Nut - Flange	9
27	80-3330	Gasket	1
28	32107-11	Nut - Square	2
29	66-2451	Bracket - Air Cleaner	2
30	3258-19	Screw - Cap Hex. Hd.	2
31	27-7170	Mounting Band Assembly (Incl. Ref. #28 & 30)	2
32	322-5	Screw - Cap Hex. Hd.	5
33	27-7110	Element Assembly	1
34	27-7120	Nut & Gasket Assembly	1
35	27-7140	Skirt - Baffle	1
36	27-7130	Clamp Assembly	1
37	27-7150	Cup Assembly	1
38	321-8	Screw - Cap Hex. Hd.	2
39	3255-8	Washer - Lock, Ext. Tooth	1
40	53-8150	Pump - Fuel (Incl. Ref. #81-84)	1
41	2412-108	Clamp - Hose	4
42	71-3380	Hose	1
43	66-2590	Pin - Seat Spring	1
44	37-9590	Spring - Compression	1
45	3256-27	Washer - Flat	1
46	32121-6	Pin - Roll	1
47	63-7590	Relay	1
48	67-1710	Decal - Interlock	1
49	3296-12	Nut - Lock	2
50	71-3382	Hose - Fuel	1

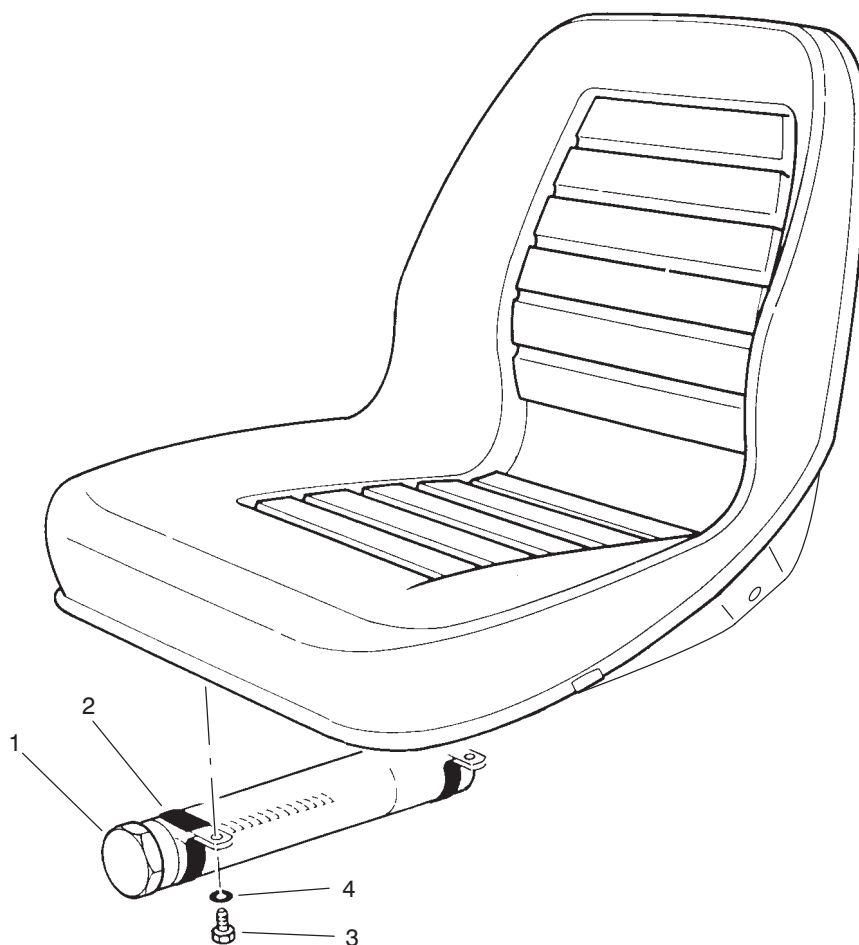


T-0839-1

SEAT FRAME & AIR CLEANER ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
51	92-7892	Bracket – Seat Switch	1	69	321-6	Screw – Cap Hex. Hd.	2
52	2412-96	R-Clamp	1	71	2412-107	R-Clamp	1
54	43-8600	Spring – Compression	1	72	322-3	Screw – Cap Hex. Hd.	4
55	92-7895	Frame – Seat	1	73	2412-92	Clamp – Hose	1
56	66-8750	Decal – Control Levers	1	75	3272-4	Pin – Cotter	2
57	72-4320	Switch	1	76	32128-33	Nut – Flange	3
58	237-30	O-Ring	1	78	32148-6	Nut – Clinch	6
59	43-8610	Guide – Spring & Ball Seat	1	79	32148-9	Nut – Clinch	2
60	43-8860	Plunger – Switch	1	80	32148-11	Nut – Clinch	2
61	3290-378	Tie – Cable	1	81	43-2570	Gasket	1
62	237-7	O-Ring	1	82	43-2550	Filter	1
63	43-8620	Guide – Switch Pin	1	83	43-2560	Gasket	1
64	218-461	Nut – Jam	2	84	43-2580	Magnet	1
65	43-8870	Boot – Switch	1	*	43-9071	Seat Switch Assembly (Incl. Ref. #54, 57-60 & 62-65)	1
66	28-8070	Lanyard	1				
68	67-1690	Fitting	2				

*Not Illustrated

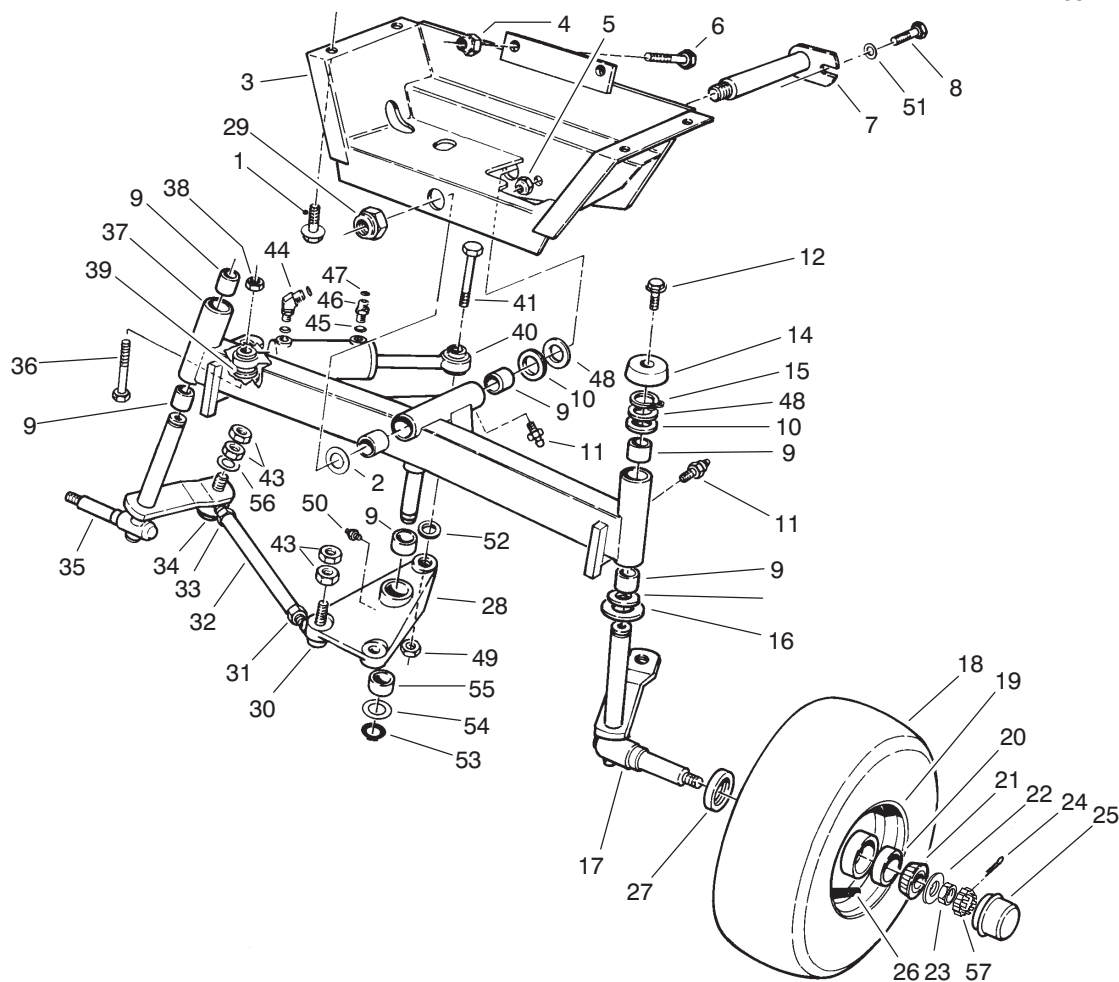


T-1692-1

MANUAL STORAGE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	74-0720	Tube - Manual	1
2	2412-133	R-Clamp	2

Ref. No.	Part No.	Description	No. Used
3	322-5	Screw - Cap Hex. Hd.	2
4	3256-23	Nut - Lock	2

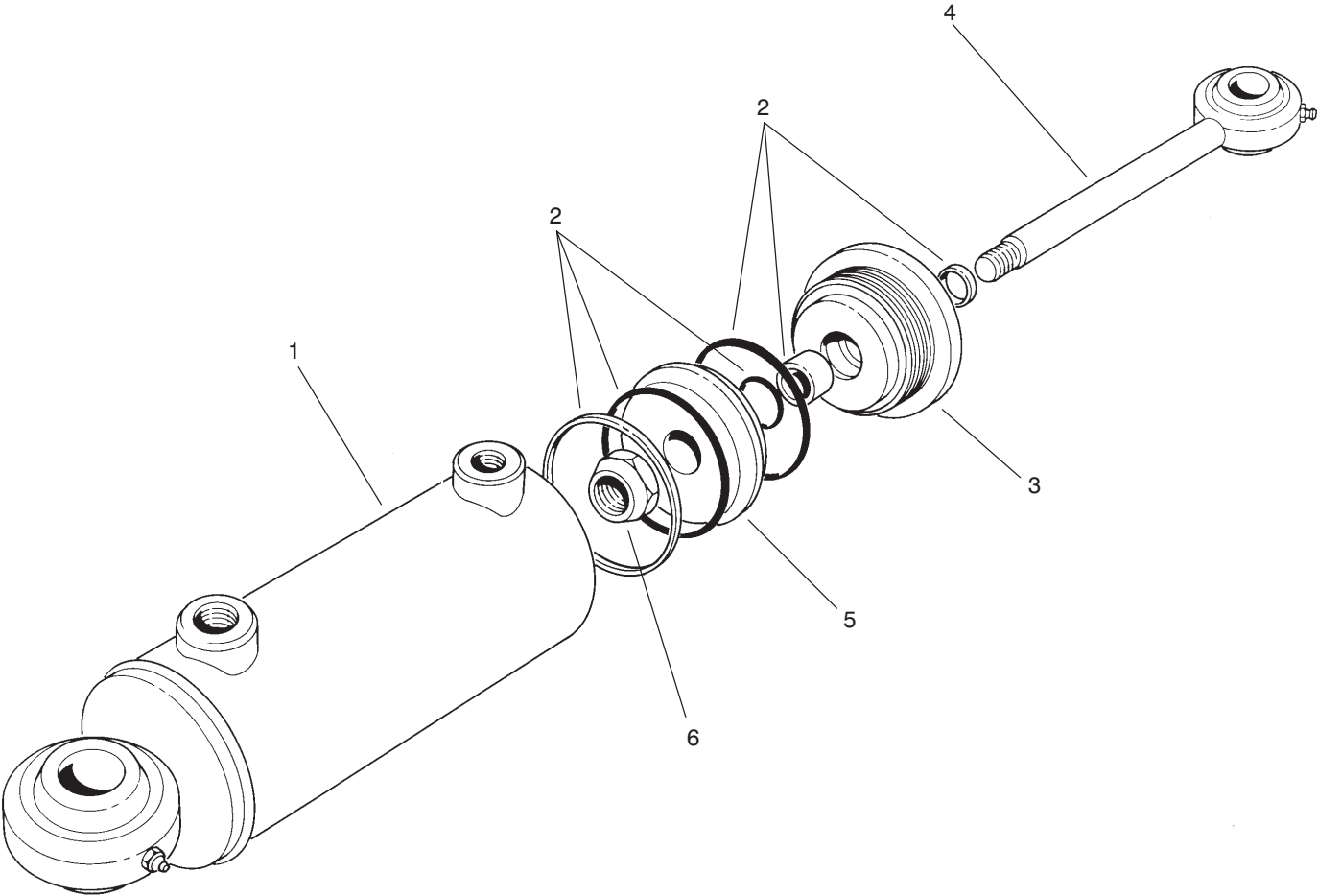


T-0540-1

REAR AXLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3234-25	Screw - Flange	4
2	71-4540	Washer - Thrust	1
3	63-6430	Frame - Rear	1
4	3296-25	Nut - Lock	2
5	3296-42	Nut - Lock	1
6	325-5	Screw - Cap Hex. Hd.	2
7	63-6770	Pin - Rear Axle	1
8	321-4	Screw - Cap Hex. Hd.	1
9	67-1750	Bushing	6
10	10-8110	Washer	5
11	302-5	Fitting - Grease	3
12	3234-13	Screw - Flange Hd.	2
14	66-2990	Cap - Spindle	2
15	32151-36	Ring - Retaining	2
16	256-121	Washer - Thrust	2
17	93-3195	Spindle - Wheel L.H.	1
18	231-105	Tire	2
19	217-118	Rim	2
20	254-72	Cup - Bearing	4
21	254-94	Cone - Bearing	4
22	93-0309	Washer - Tab	2
23	3220-7	Nut - Jam	2
24	3272-13	Pin - Cotter	2
25	241-119	Cap - Hub	2
26	232-35	Stem - Valve	2
27	253-129	Seal - Hub	2
28	76-4810	Steering Pivot Assembly (Incl. Ref. #50 & 55)	1
29	3296-51	Nut - Lock	1

Ref. No.	Part No.	Description	No. Used
30	21-0151	Joint - Ball L.H.	2
31	3220-12	Nut - Jam L.H.	2
32	63-6880	Rod - Tie	2
33	3220-5	Nut - Jam R.H.	2
34	21-0141	Joint - Ball R.H.	2
35	93-3196	Spindle - Wheel R.H.	1
36	67-7300	Screw Hex Hd.	1
37	76-3000	Axle Assembly (Incl. Ref. #9 & 11)	1
38	32153-6	Nut - Hex Lock	1
39	67-7250	Spacer Cyl.	1
40	76-2070	Cylinder - Steering	1
41	328-25	Screw - Cap Hex. Hd.	1
43	3220-3	Nut - Jam	8
44	340-103	Fitting - Hydraulic 45° (Incl. Ref. #45 & 47)	1
45	237-78	Seal - O-Ring	2
46	340-92	Fitting - Straight	1
47	237-21	Seal - O-Ring	2
48	56-2460	Washer - Flat	A/R
49	32128-45	Nut - Lock, Flange	1
50	302-62	Fitting - Grease	1
51	3256-22	Washer - Flat	1
52	67-9410	Washer - Flat	1
53	32121-77	Ring - Retaining	1
54	76-2980	Washer - Thrust	1
55	76-2970	Bushing	2
56	3256-24	Washer - Flat	2
57	93-0307	Nut - Lock, Retainer	2

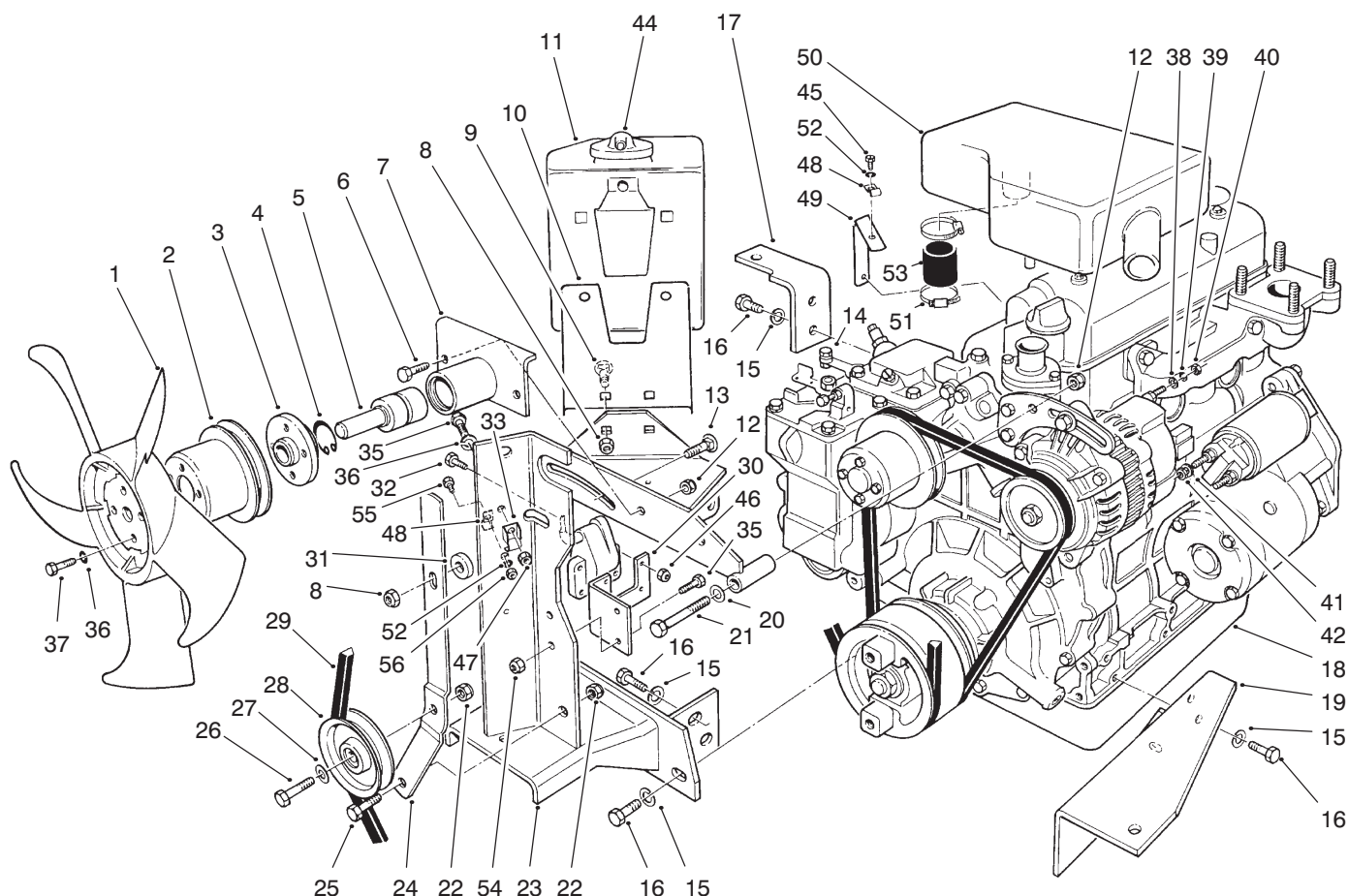


T-0541-1

HYDRAULIC CYLINDER NO. 76-2070

Ref. No.	Part No.	Description	No. Used
1	66-2770	Tube – Cylinder	1
2	76-2090	Kit – Seal	1
3	76-2790	Gland	1

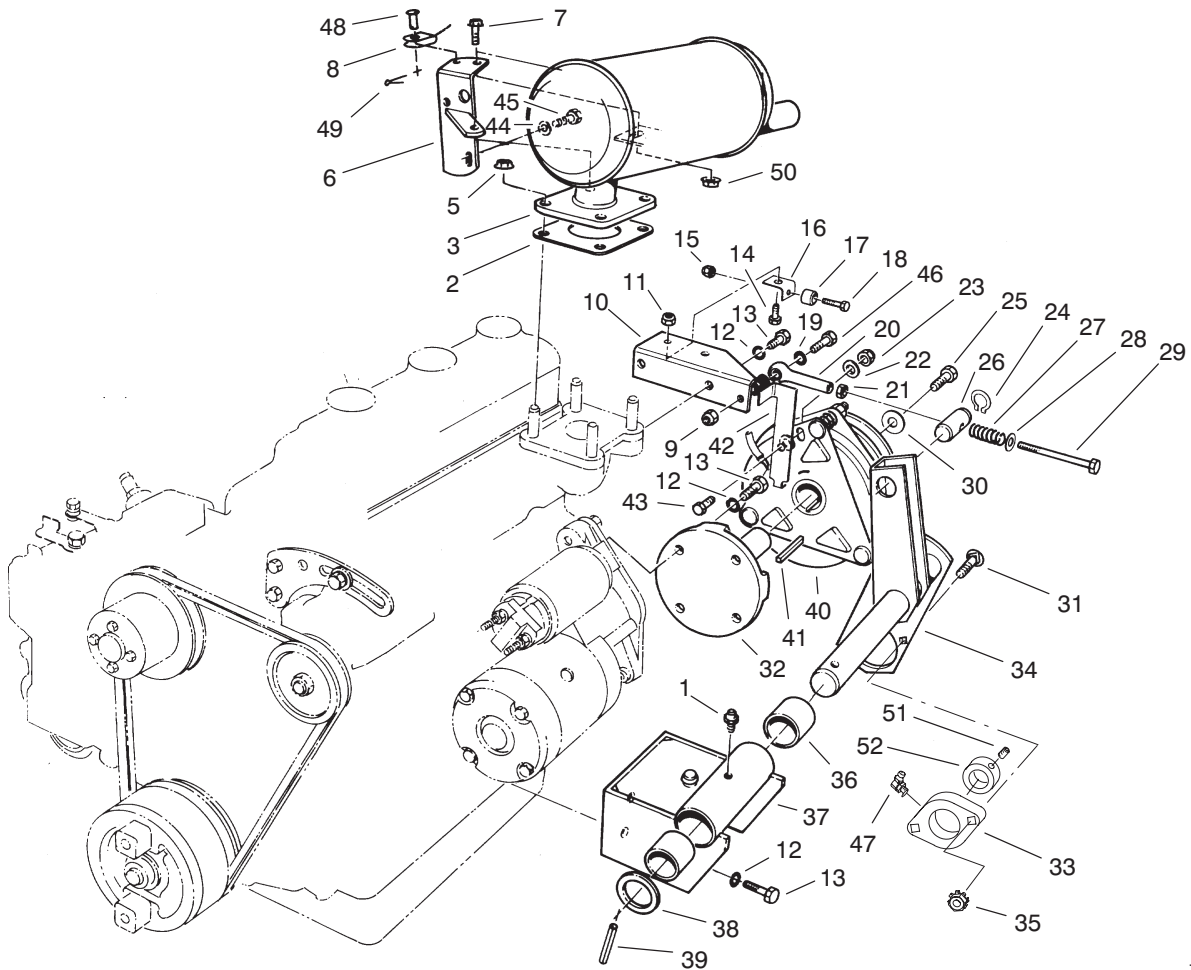
Ref. No.	Part No.	Description	No. Used
4	76-2080	Assembly – Piston Rod	1
5	66-1940	Piston	1
6	66-1930	Nut – Lock	1



T-0838-2

ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	43-1910	Fan - Cooling	1	28	63-8140	Pulley	1
2	42-9070	Pulley - Fan	1	29	92-8879	Belt - Fan	1
3	53-8680	Hub - Fan	1	30	71-2980	Bracket - Coil	1
4	32120-10	Ring - Retaining	1	31	52-2340	Spacer	1
5	36-7290	Shaft w/Bearing	1	32	3290-360	Screw - Cap Hex. Hd.	4
6	322-4	Screw - Cap Hex. Hd.	2	33	3-6657	Clip - Skid	1
7	84-1940	Hub	1	35	321-4	Screw - Cap Hex. Hd.	3
8	32128-20	Nut - Flange	3	36	3253-3	Washer - Lock	5
9	3230-23	Bolt - Carriage	2	37	321-3	Screw - Cap Hex. Hd.	4
10	66-2440	Plate - Reservoir	1	38	5-3637	Washer - Flat	1
11	63-7380	Tank - Expansion (Incl. Ref. #44)	1	39	43-5920	Washer - Lock	1
12	3296-29	Nut - Lock	3	40	43-5970	Nut - Hex.	1
13	3230-2	Bolt - Carriage	1	41	42-9850	Washer - Lock	2
14	63-6760	Swivel - Cable, Throttle	1	42	57-6390	Nut - Hex.	2
15	48-9590	Washer - Lock	8	44	71-1520	Cap - Reservoir	1
16	63-7790	Screw	8	45	32105-8	Screw	2
17	71-2910	Angle - Mount, Engine	1	46	3296-2	Nut - Lock	4
18	68-9960	Engine	1	47	3217-5	Nut - Hex.	1
19	66-2320	Mount - Engine	1	48	2412-58	Clamp	2
20	3256-23	Washer - Flat	1	49	71-1460	Bracket - Clamp	1
21	322-11	Screw - Cap Hex. Hd.	1	50	71-2901	Chamber - Induction	1
22	3296-39	Nut - Lock	2	51	2412-92	Clamp	2
23	84-1870	Bracket	1	52	3253-2	Washer - Lock	2
24	63-6720	Lever - Idler	1	53	71-3530	Hose - Carburetor	1
25	323-6	Screw - Cap Hex. Hd.	1	54	3296-42	Nut - Lock	2
26	323-8	Screw - Cap Hex. Hd.	1	55	32105-13	Screw - Cap Hex. Hd.	1
27	3256-24	Washer - Flat	1	56	3217-26	Nut - Hex.	1

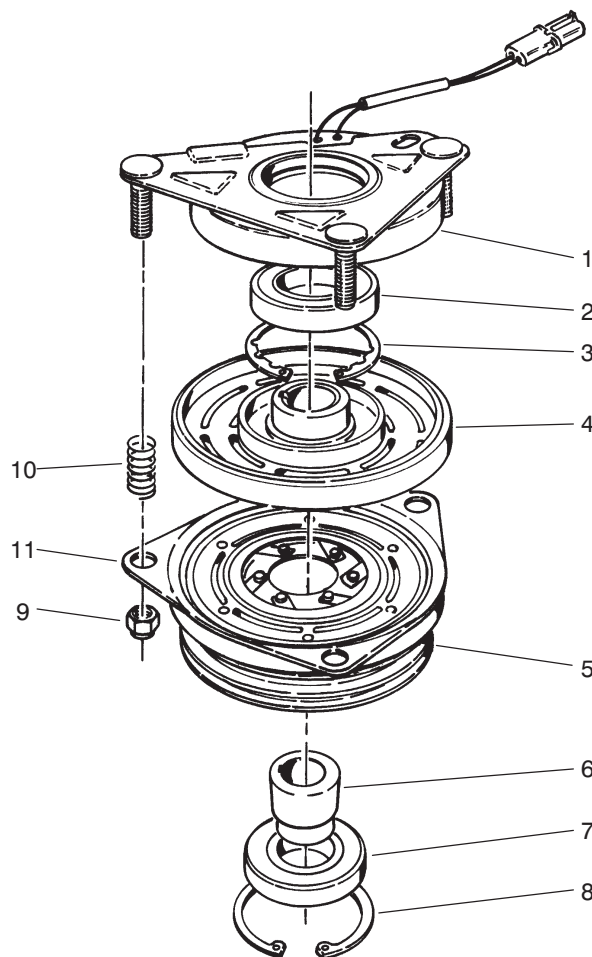


T-0837-1

POWER TAKE-OFF ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	302-5	Fitting - Grease	1
2	53-8130	Gasket - Exhaust	1
3	76-4860	Muffler	1
*	75-6880	Screen - Spark Arrester	1
5	68-9400	Nut - Hex	4
6	66-2360	Support - Muffler	1
7	3234-29	Screw - Cap Hex. Flange	1
8	66-2870	Cable - Stop, Hood	1
9	3296-39	Nut - Lock	1
10	93-9991	Bracket	1
11	3296-42	Nut - Lock	2
12	48-9590	Washer - Lock	10
13	63-7790	Screw	10
14	321-3	Screw - Cap Hex. Hd.	2
15	3296-9	Nut - Lock	2
16	63-8230	Angle - Anchor, Clutch	2
17	66-2910	Bumper - Rubber	2
18	3250-39	Screw - Pan Head	2
19	3256-23	Washer - Flat	4
20	66-2900	End - Tie Rod	1
21	3220-2	Nut - Jam	1
22	3256-24	Washer - Flat	2
23	3296-59	Nut - Lock	1
24	32151-83	Ring - Retaining	2
25	3212-5	Screw	1
26	63-6290	Pin - Tension	1
27	3-6624	Spring	1

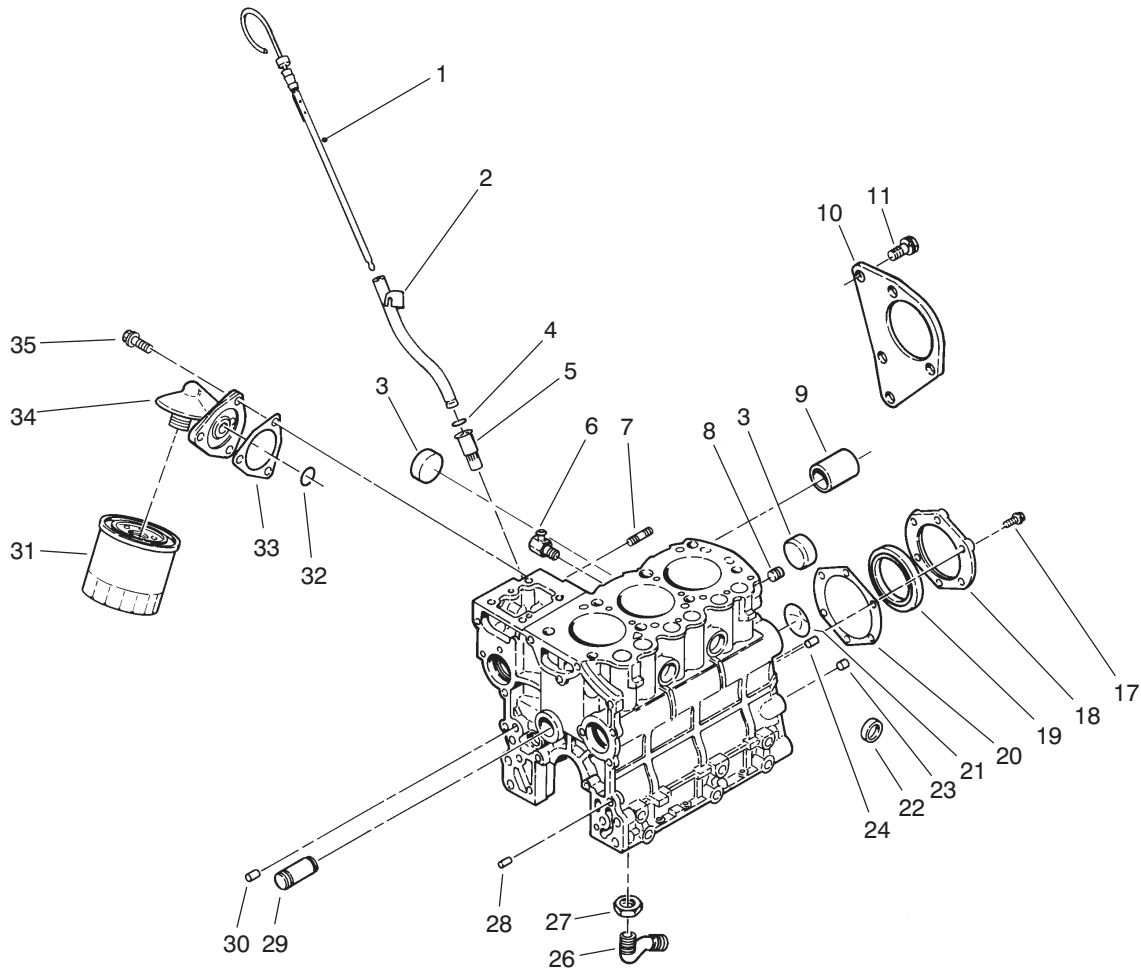
Ref. No.	Part No.	Description	No. Used
28	4-2390	Washer	1
29	66-3100	Screw	1
30	67-1631	Spacer	1
31	3230-4	Bolt - Carriage	2
32	63-6030	Hub - Clutch	1
33	92-8799	Bearing	1
34	63-6250	Shaft - Tension, PTO	1
35	32149-1	Nut - Keps	2
36	256-299	Bushing	2
37	67-1800	Plate - Pivot (Incl. Ref. #1 & 36)	1
38	3-4324	Washer	1
39	32121-32	Pin - Roll	1
40	63-6050	Clutch - Electric	1
41	63-8150	Key	1
42	63-6690	Lever - Anchor, Clutch	1
43	323-34	Screw - Cap Hex. Hd.	1
44	48-8030	Washer - Flat	1
45	48-9460	Screw	1
46	322-6	Screw - Cap Hex. Hd.	1
47	302-40	Fitting - Grease	1
48	283-58	Pin - Clevis	1
49	3272-10	Pin - Cotter	1
50	32128-25	Nut - Lock, Flange Hd.	1
51	3246-2	Screw - Set	1
52	251-77	Collar - Locking	1



T-0544-1

CLUTCH ASSEMBLY NO. 63-6050

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	67-7050	Field Rotor Assembly (Incl. Ref. #2-4)	1	6	67-7080	Collar - Bearing	1
2		Bearing - Field	1	7	67-7090	Bearing - Pulley	1
3		Ring - Retaining	1	8	67-7060	Ring - Retaining	1
4		Field Coil Assembly		9	3296-6	Nut - Lock	3
		Rotor & Bearing	1	10	44-8320	Spring	3
5	67-7070	Arm. & Pulley Assembly (Incl. Ref. #6-8)	1	11	67-7100	Plate - Brake	1



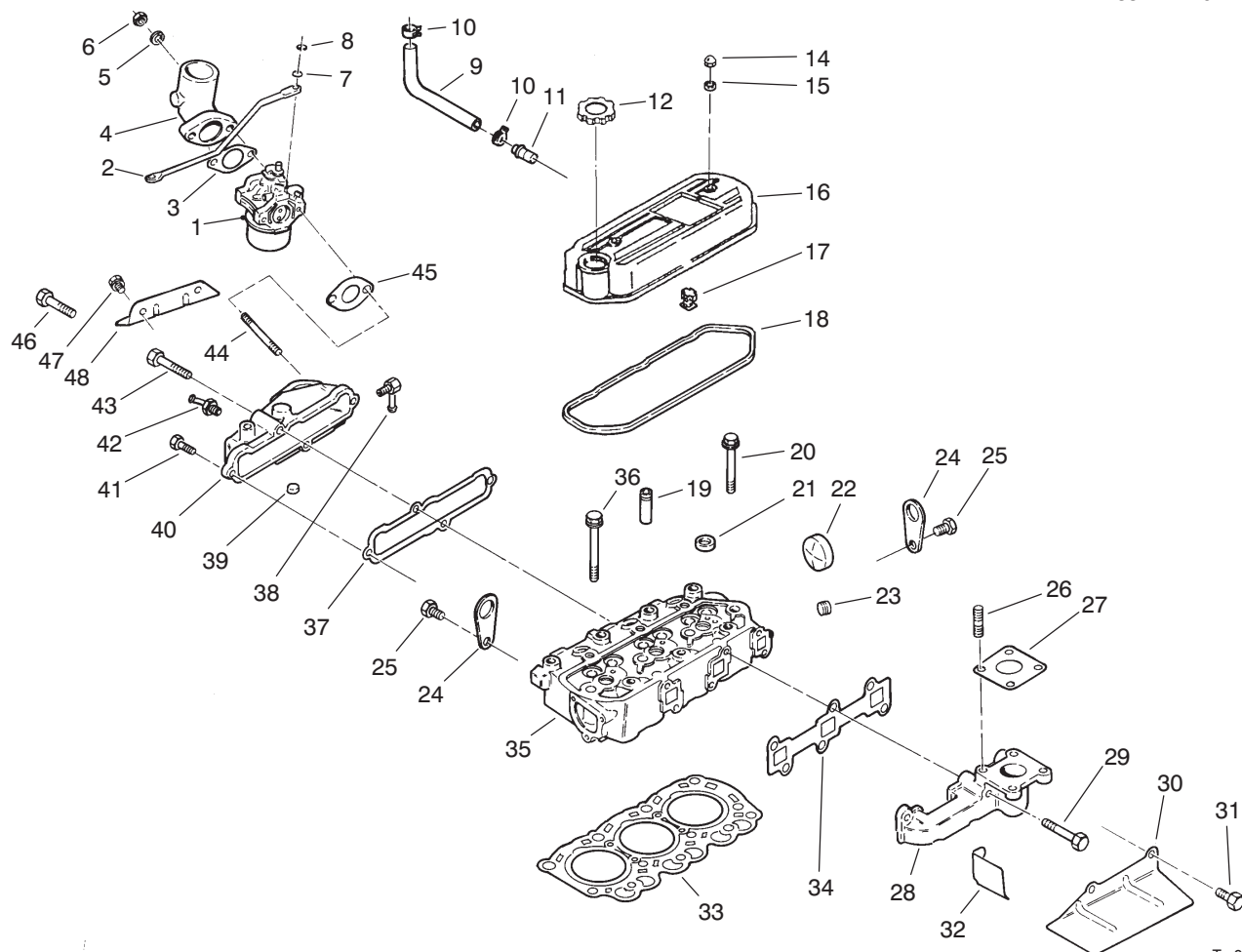
T-0829-1

ENGINE BLOCK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	72-6970	Gauge - Oil Level	1
2	70-8880	Guide - Oil Level Gauge	1
3	56-0020	Cap - Expansion	3
4	43-2710	O-Ring	1
5	72-6950	Retainer - Gauge Guide	1
6	72-6940	Joint - Water Drain	1
7	42-9560	Stud	1
8	67-2390	Plug - Taper	1
9	72-6010	Sleeve	1
10	67-2430	Bracket - Starter	1
11	67-2440	Bolt w/Washer	3
17	67-2330	Bolt	6
18	67-2270	Case - Oil Seal	1
19	67-2230	Seal - Oil	1
20	67-2280	Gasket - Case	1
21	67-2350	Plug - Expansion	1

Ref. No.	Part No.	Description	No. Used
22	42-7080	Cap - Sealing	2
23	67-2380	Bushing - Knock	3
24	67-2360	Bushing - Knock	2
26	67-4340	Oil Screen Assembly (Incl. Ref. #27)	1
27	42-9650	Nut - Jam	1
28	67-2370	Bushing - Knock	1
29	67-2260	Shaft - Idler	1
30	42-7190	Bushing - Knock	2
31	67-4330	Oil Filter Assembly	1
32	72-6990	O-Ring	1
33	72-6040	Gasket - Oil Filter Bracket	1
34	72-6030	Bracket - Oil Filter	1
35	72-6980	Bolt	3
*	72-6920	Kit - Gasket	1
*	72-6000	Cylinder Block Assembly	1

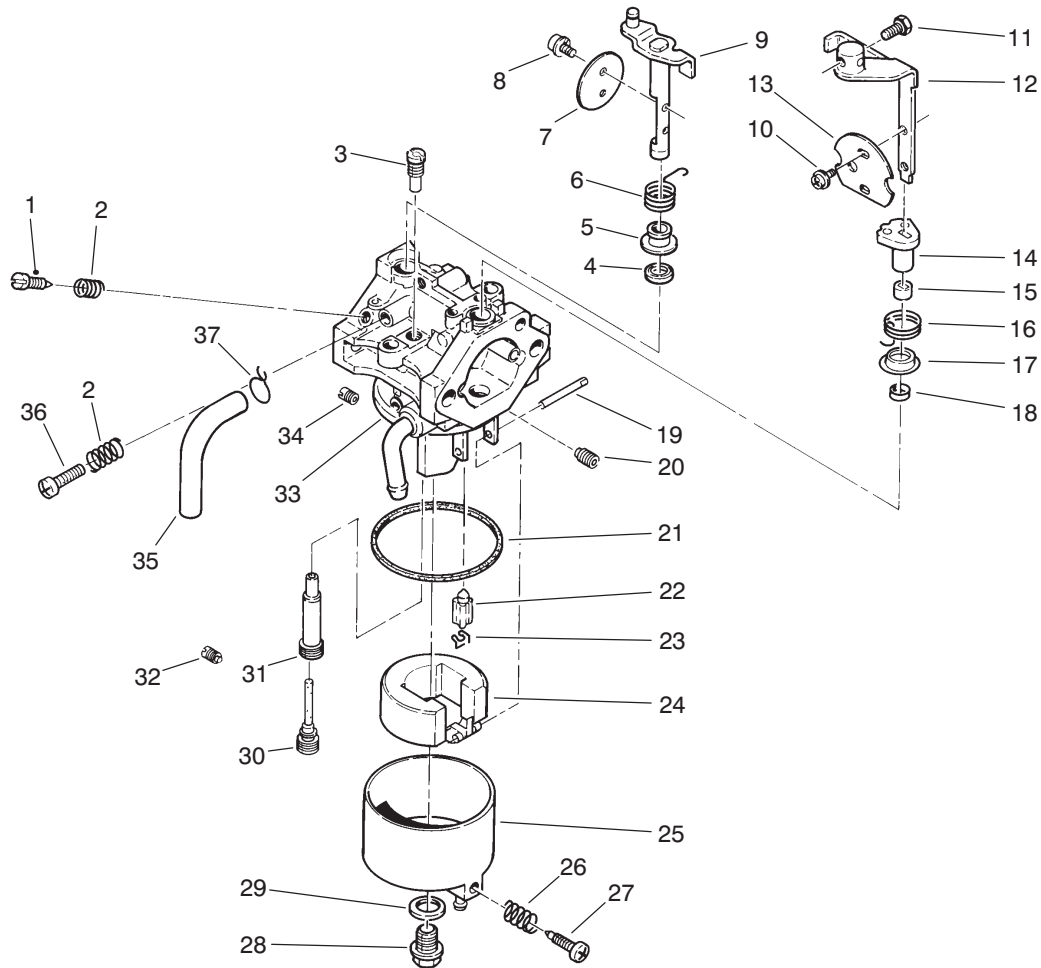
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T-0827-1

CARBURETOR, CYLINDER HEAD & MANIFOLD ASSEMBLY

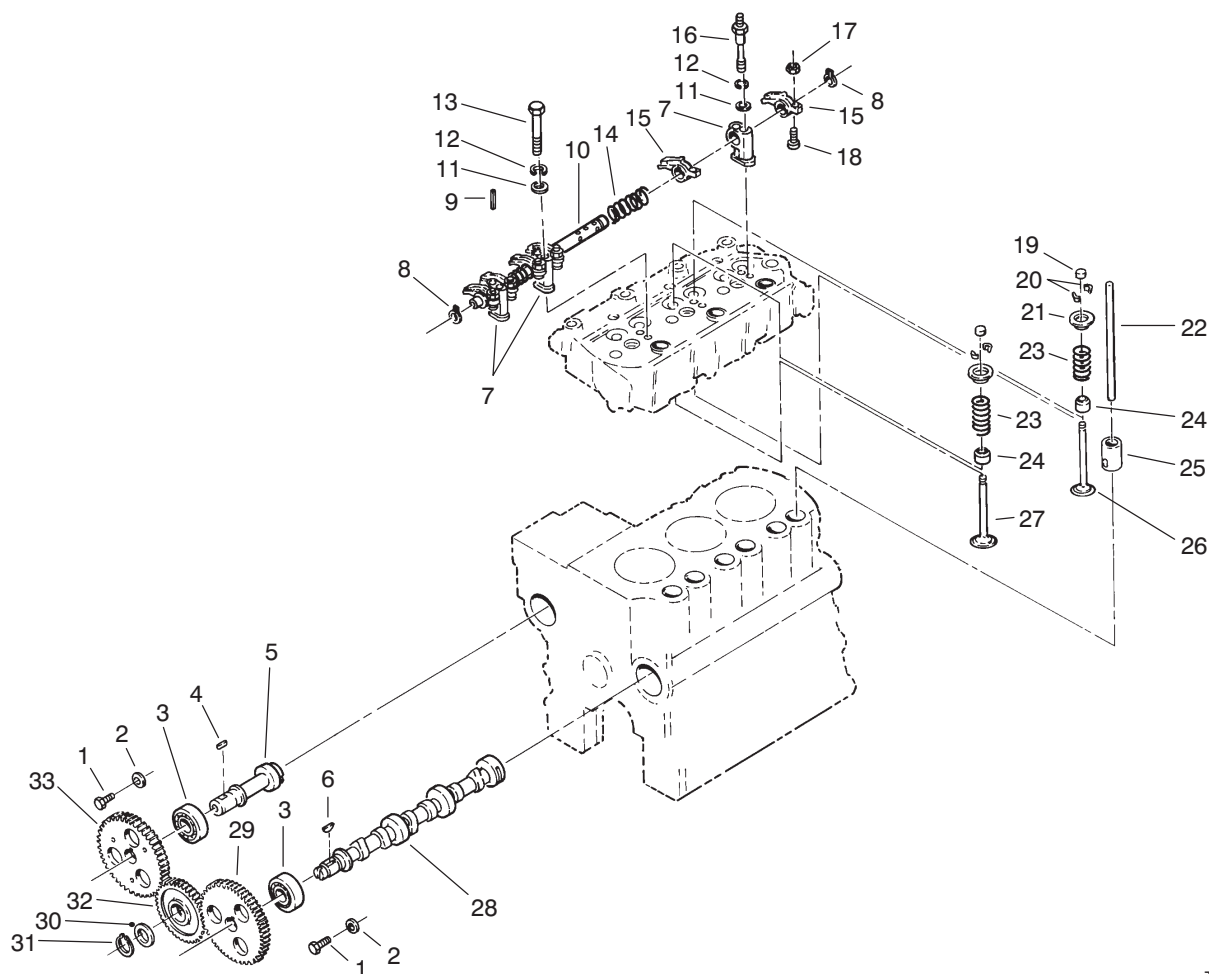
Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	72-6260	Carburetor Assembly	1	26	42-9570	Stud	4
2	72-6220	Rod - Link	1	27	42-9110	Gasket	1
3	72-6230	Gasket - Intake Pipe	1	28	67-4560	Manifold - Exhaust	1
4	72-6250	Pipe - Intake	1	29	67-4580	Bolt	2
5	72-7000	Washer - Lock	2	30	72-7020	Cover - Starter	1
6	67-4290	Nut	2	31	67-4590	Bolt	4
7	72-6210	Washer	2	32	72-6140	Cover - Alternator	1
8	67-4300	Ring - Retaining	2	33	67-2720	Gasket - Cylinder Head	1
9	72-7170	Pipe - Air Breather	1	34	67-4570	Gasket - Exhaust Manifold	1
10	72-7160	Clip - Hose	2	35	72-6050	Cylinder Head Assembly (Incl. Ref. #19, & 21-23)	1
11	42-7510	Pipe	1	36	67-2730	Bolt - Cylinder Head	8
12	92-0847	Oil Fill Cap Assembly	1	37	67-4550	Gasket - Intake Manifold	1
14	67-2770	Nut - Cap	2	38	72-6110	Joint	1
15	67-2780	Washer - Flat	2	39	67-2710	Cap - Sealing	1
16	92-0846	Rocker Arm Cover Assy. (Incl. Ref. #11)	1	40	72-6090	Intake Cover Assembly (Incl. Ref. #38, 39 & 42)	1
17	72-6070	Separator - Oil	1	41	67-2330	Bolt	2
18	67-2760	Gasket - Rocker Arm Cover	1	42	72-6120	Joint	1
19	67-2700	Guide - Valve	6	43	67-2620	Bolt	1
20	67-2740	Bolt - Flange	3	44	72-6150	Stud	2
21	67-2710	Cap - Sealing	3	45	72-6240	Gasket - Carburetor	1
22	56-0020	Plug - Expansion	1	46	67-4400	Bolt	1
23	67-2570	Plug - Taper	1	47	72-7100	Bolt	2
24	67-2680	Hanger - Engine	2	48	72-6130	Cover - Distributor	1
25	67-2340	Bolt w/Washer	2				



T-0833-1

CARBURETOR ASSEMBLY

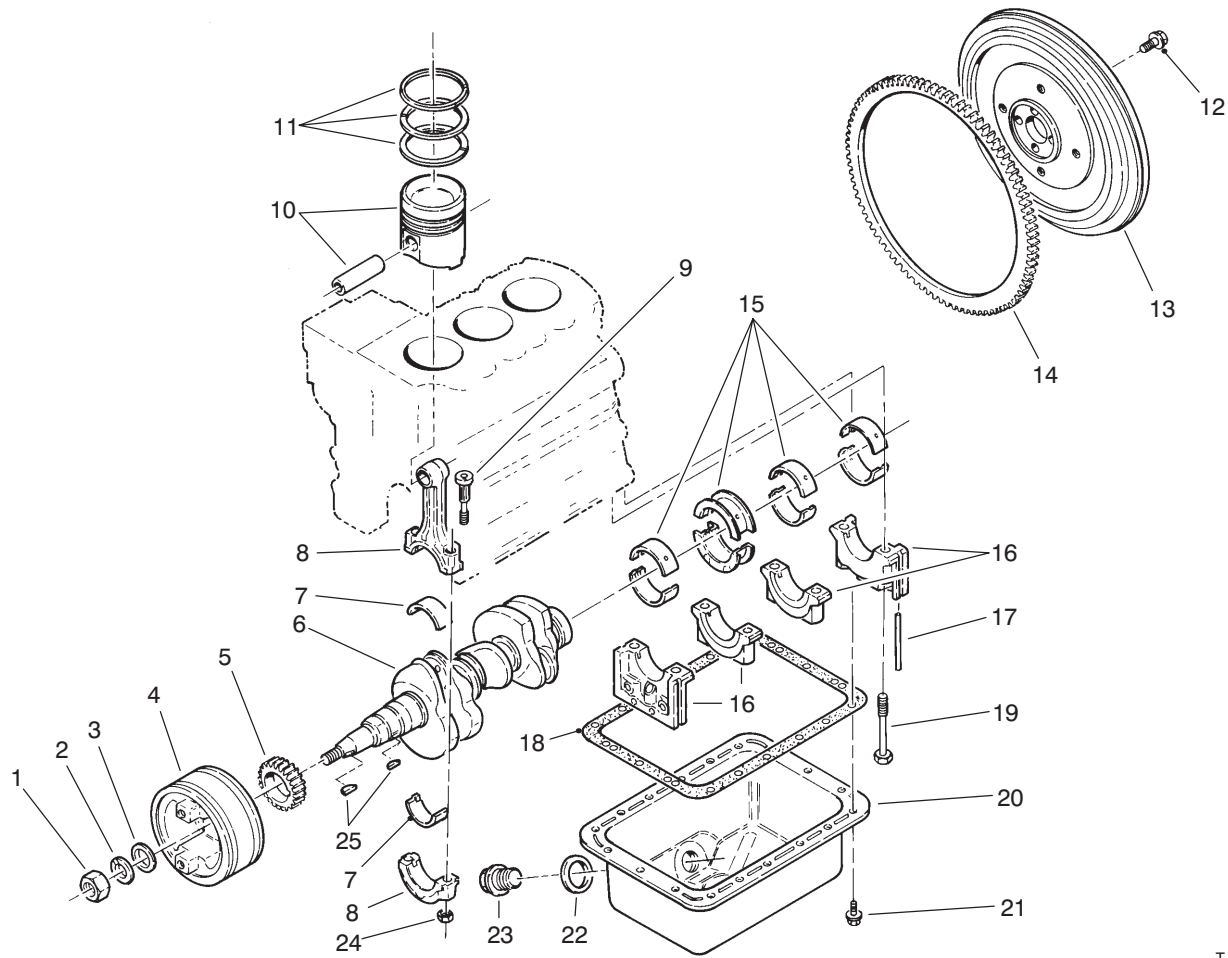
Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	72-6580	Adjuster Assembly	1	20	72-6490	Jet - Main Air (2.0)	1
2	72-6570	Spring	2	21	72-6510	Gasket	1
3	72-6420	Jet - Pilot (40)	1	22	72-6450	Needle Assembly	1
4	72-6320	Seal	1	23	72-6460	Clip	1
5	72-6310	Ring	1	24	72-6470	Float Assembly	1
6	72-6300	Spring	1	25	72-6520	Float Body Assembly	1
7	72-6280	Valve - Throttle	1	26	72-6550	Stop - Spring	1
8	72-6270	Screw	2	27	72-6560	Screw	1
9	72-6290	Throttle Shaft Assembly	1	28	72-6540	Bolt	1
10	72-6330	Screw	2	29	72-6530	Gasket	1
11	72-6360	Bolt	1	30	72-6440	Nozzle	1
12	72-6350	Choke Lever Assembly	1	31	72-6430	Nozzle - Main	1
13	72-6340	Valve - Choke	1	32	72-6650	Jet - Main	1
14	72-6370	Ring	1	33	72-6260	Carburetor Assembly (Incl. Ref. #1-31 & 33-37)	1
15	72-6380	Ring	1	34	72-6500	Jet - Pilot Air (1.2)	1
16	72-6390	Spring	1	35	72-6600	Hose	1
17	72-6400	Cap	1	36	72-6610	Screw	1
18	72-6410	Seal	1	37	72-6590	Clip - Spring	1
19	72-6480	Pin	1				



T-0828-1

CAMSHAFT & VALVE ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	42-9490	Bolt w/Washer	1	18	67-3210	Screw - Adjusting	6
2	67-3000	Washer - Camshaft Stopper	1	19	67-3180	Cap - Valve Stem	6
3	67-3030	Bearing - Ball	2	20	42-7860	Lock - Retainer	12
4	42-7840	Key - Sunk	1	21	67-3100	Retainer - Valve Spring	6
5	72-6200	Shaft - Distributor	1	22	67-3150	Rod - Push	6
6	56-0480	Key - Woodruff	1	23	67-3110	Spring - Valve	6
7	67-3200	Stay - Rocker	3	24	42-7870	Seal - Valve Stem	6
8	67-3240	Ring - Retaining	2	25	67-3120	Tappet	6
9	67-3220	Pin - Grooved	1	26	67-3140	Valve - Exhaust	3
10	67-3190	Rocker Shaft Assembly	1	27	67-3130	Valve - Intake	3
11	42-9660	Washer - Flat	3	28	67-3010	Camshaft	1
12	67-3260	Washer - Spring	3	29	67-3020	Gear - Camshaft	1
13	42-9510	Bolt	1	30	67-3040	Spacer	1
14	67-3170	Spring - Rocker Shaft	2	31	56-1060	Ring - Retaining	1
15	67-3160	Arm - Rocker	6	32	67-3090	Idle Gear Assembly	1
16	67-3250	Bolt - Rocker Stay	2	33	67-3070	Gear - Fuel Injection Pump	1
17	67-3230	Nut - Jam	6				

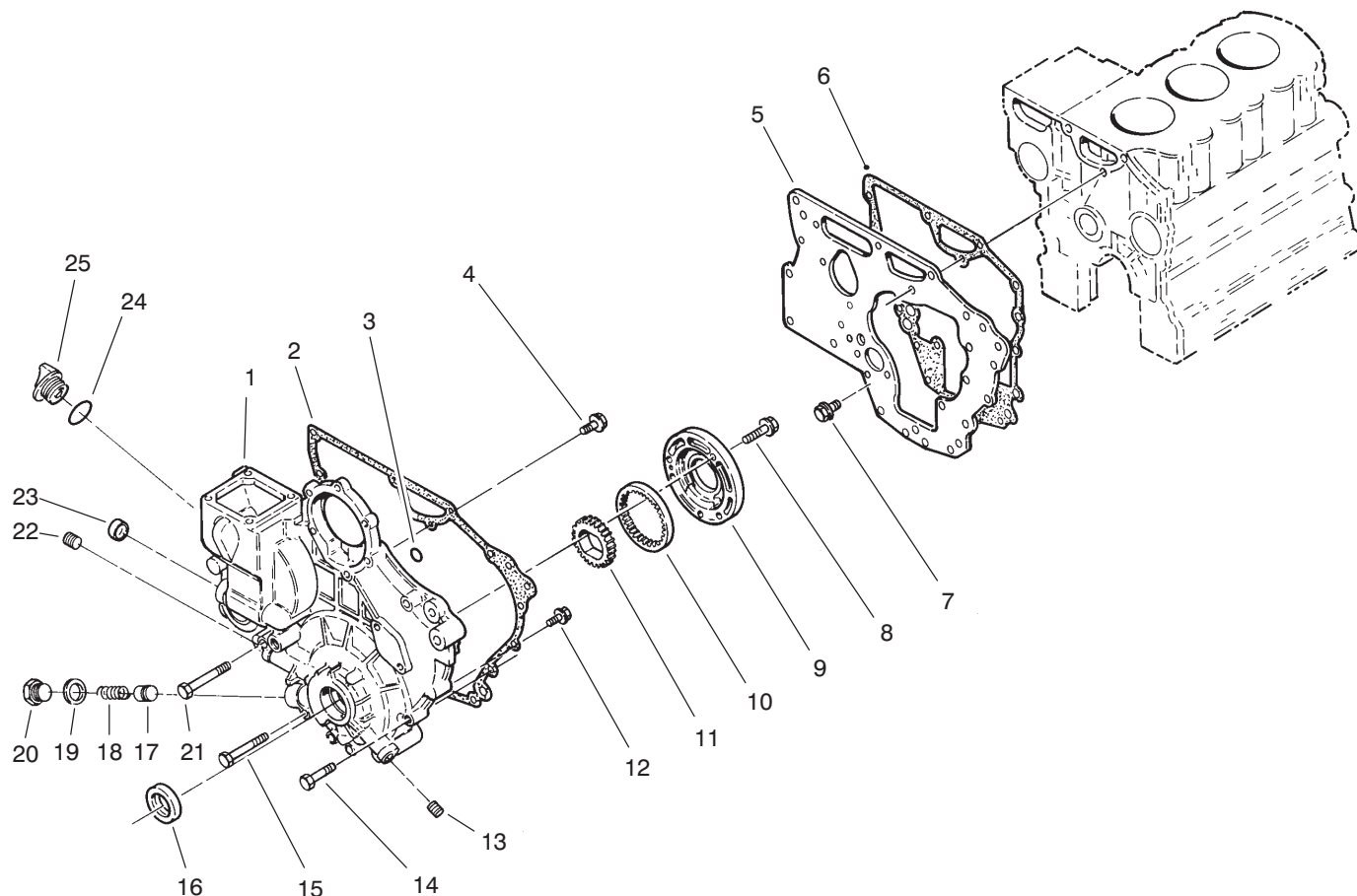


T-0830-1

PISTON, CRANKSHAFT & FLYWHEEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	67-2940	Nut - Jam	1	*	67-2810	Ring Set - Piston, 0.50 OS	3
2	67-2960	Washer - Spring	1	12	67-2990	Bolt - Flywheel	4
3	67-2950	Washer - Flat	1	13	67-2970	Flywheel Assembly (Incl. Ref. #14)	1
4	67-2930	Pulley - Crankshaft	1	14	67-2980	Gear - Ring	1
5	67-2910	Gear - Crankshaft	1	15	67-2400	Bearing Set Crankshaft Std.	1
6	92-0845	Crankshaft	1	*	67-2410	Bearing Set Crankshaft 0.25	1
7	67-2880	Bearing Set		*	67-2420	Bearing Set Crankshaft 0.50	1
		Connecting Rod - Std.	3	16		Bearing Cap Assembly	1
*	67-2890	Bearing Set		17	67-2200	Slide - Seal	4
		Connection Rod - 0.25 US	3	18	67-2200	Gasket - Oil Pan	1
*	67-2900	Bearing Set		19	67-2250	Bolt - Bearing Cap	1
		Connection Rod - 0.50 US	3	20	67-2470	Oil Pan Assembly (Incl. Ref. #22 & 23)	1
8	67-2850	Connecting Rod Assembly (Incl. Ref. #9 & 24)	34	21	42-9490	Bolt w/Washer	18
9	67-2860	Bolt - Connecting Rod	6	22	42-7290	Gasket - Oil Drain Plug	1
10	72-6160	Piston & Pin Set. Std.	3	23	42-9260	Plug - Oil Drain	1
*	72-6170	Piston & Pin Set 0.25 OS	3	24	42-9590	Nut - Connecting Rod	6
*	72-6180	Piston & Pin Set 0.50 OS	3	25	56-0480	Key - Woodruff	2
11	67-2790	Ring Set - Piston, Std.	3				
*	67-2800	Ring Set - Piston, 0.25 OS	3				

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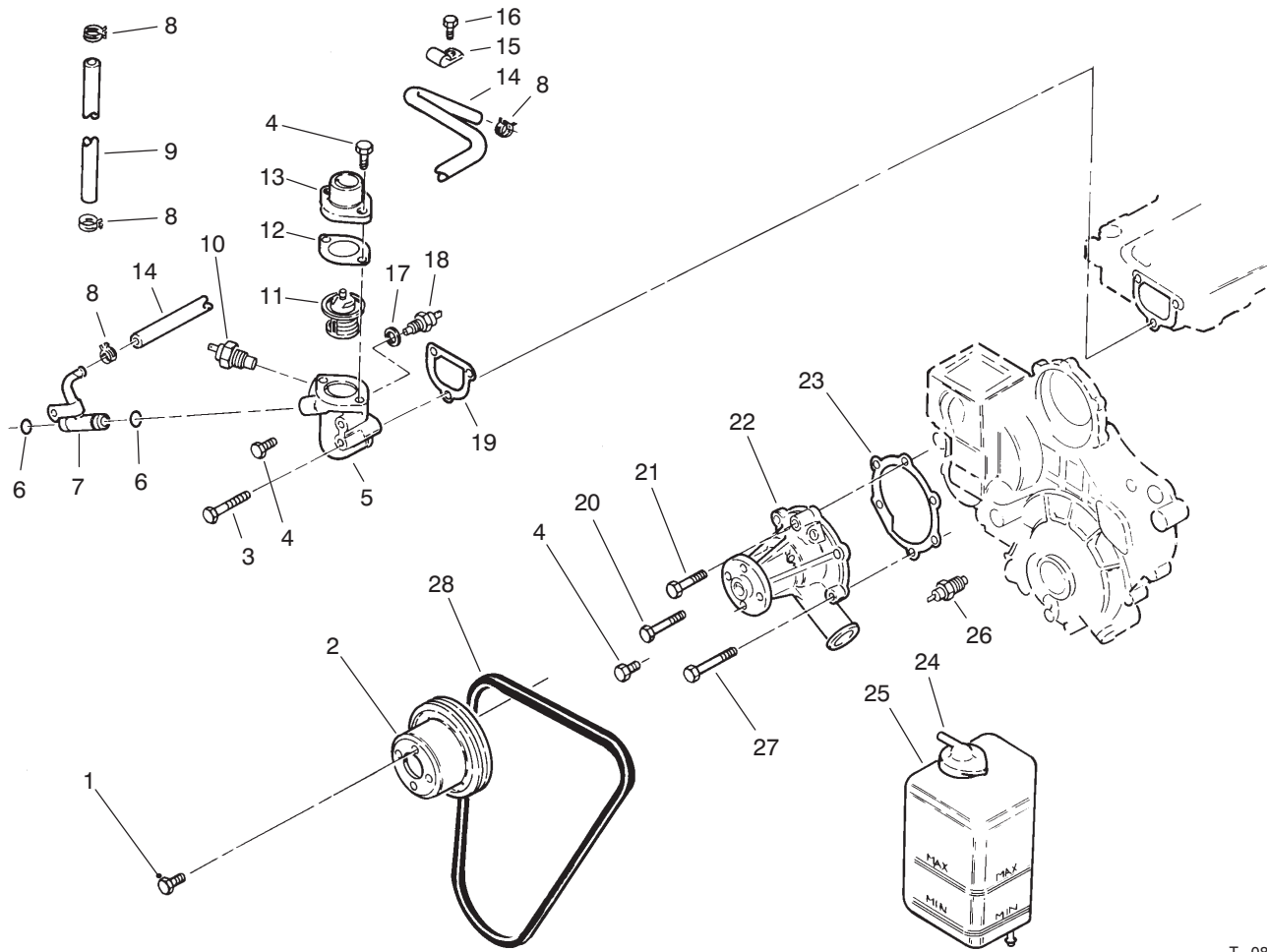


T-0836-1

GEAR CASE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	75-4920	Gear Case Sub Assembly	1
2	67-2580	Gasket - Gear Case	1
3	67-2630	O-Ring	2
4	67-2340	Bolt w/Washer	3
5	67-2310	Plate - Front	1
6	67-2320	Gasket - Front Plate	1
7	42-9440	Bolt w/Washer	7
8	67-2560	Bolt w/Washer	3
9	67-2550	Housing - Oil Pump	1
10	67-2540	Gear - Outer, Oil Pump	1
11	67-2530	Gear - Inner, Oil Pump	1
12	42-9440	Bolt w/Washer	4
13	42-7210	Plug - Taper	1

Ref. No.	Part No.	Description	No. Used
14	67-2600	Bolt	3
15	67-2610	Bolt	4
16	67-2590	Seal - Oil	1
17	67-2500	Plunger - Relief	1
18	67-2510	Spring - Relief	1
19	42-7290	Gasket - Drain Plug	1
20	67-2520	Plug	1
21	67-2620	Bolt	1
22	67-2570	Plug - Taper	1
23	67-2640	Cap - Sealing	1
24	67-2660	O-Ring	1
25	67-2650	Oil Filter Cap Assembly (Incl. Ref. #24)	1

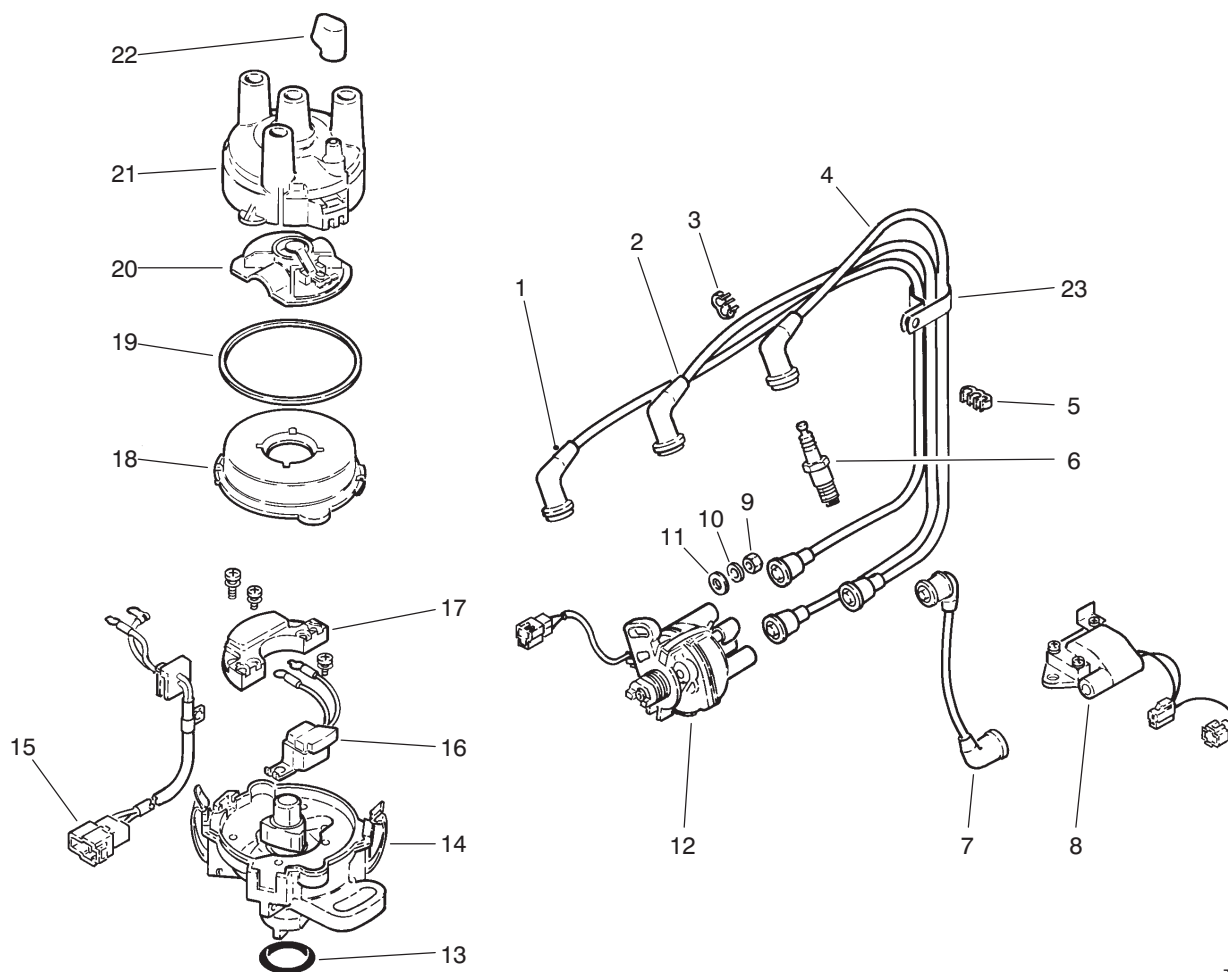


T-0826-1

WATER PUMP ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	42-9490	Bolt w/Washer	4
2	67-4360	Pulley - Water Pump	1
3	67-4470	Bolt	1
4	67-2330	Bolt	6
5	67-4450	Fitting - Thermostat	1
6	43-2710	O-Ring	2
7	72-6740	Pipe - Bypass	1
8	72-7080	Clip - Hose	4
9	72-7090	Hose - Fuel	1
10	67-4510	Gauge - Water Temperature	1
11	67-4440	Thermostat	1
12	67-4430	Gasket - Fitting, Water Out.	1
13	67-4420	Fitting - Water Outlet	1
14	72-7120	Hose - Fuel	1
15	72-7110	Clip	1

Ref. No.	Part No.	Description	No. Used
16	72-7100	Bolt	1
17	67-4490	Gasket - Switch	1
18	67-4500	Switch - Temp. Shut-Down	1
19	67-4460	Gasket - Fitting, Thermostat	1
20	67-4400	Bolt	1
21	67-2600	Bolt	1
22	67-4380	Water Pump Assembly	1
23	67-4390	Gasket - Water Pump	1
24	71-1520	Reservoir Cap Assembly	1
25	67-7380	Reservoir Tank Assembly (Incl. Ref. #24)	1
26	67-4350	Switch - Oil Pressure	1
27	67-2610	Bolt	2
28	67-4410	V-Belt	1

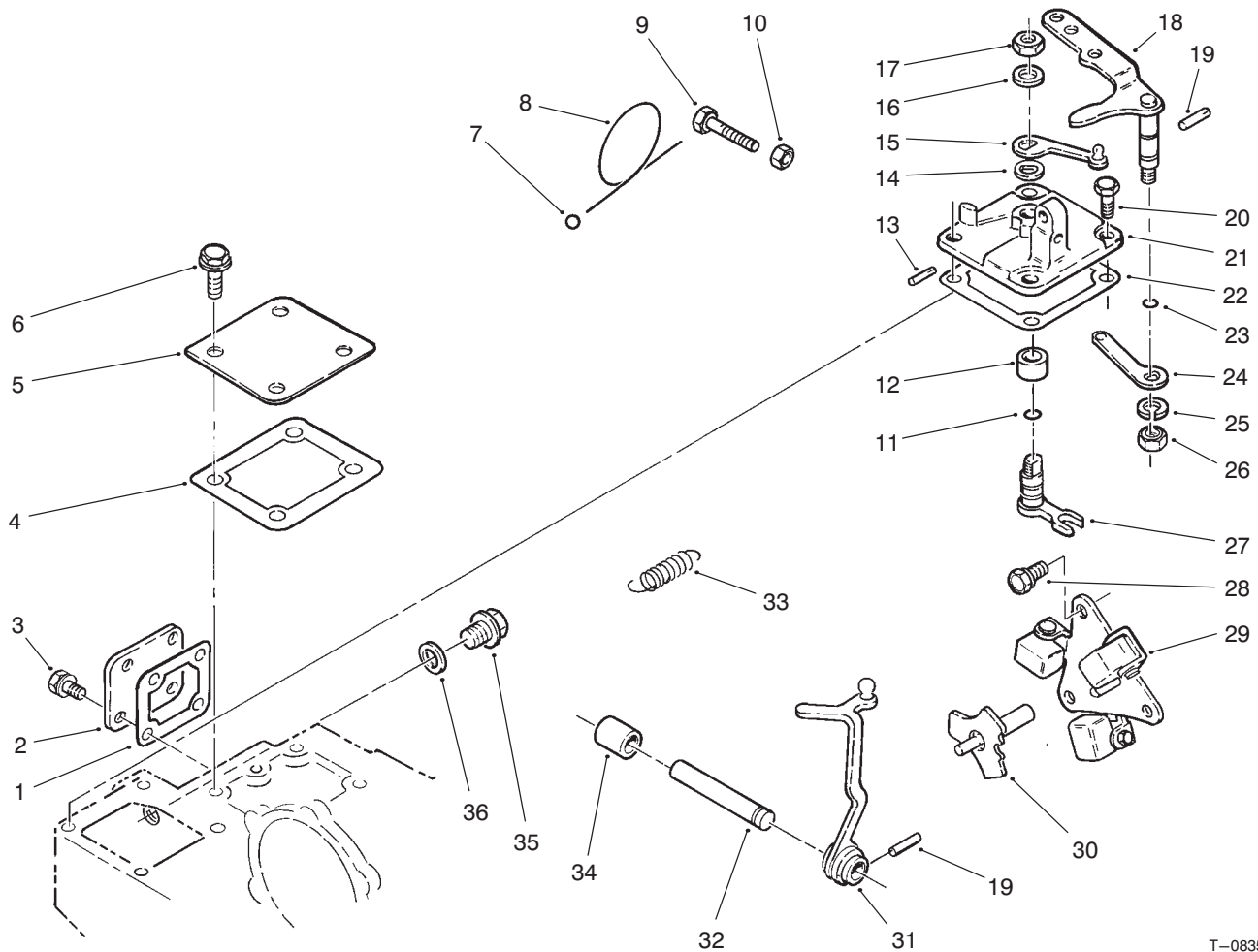


T-0834-1

DISTRIBUTOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	72-6890	Cable Assembly		12	72-6750	Distributor Assembly	1
		Spark Plug No. 1	1	13	72-6830	O-Ring	1
2	72-6900	Cable Assembly		14	72-6820	Housing Set	1
		Spark Plug No. 2	1	15	72-6850	Lead Wire Set w/Screws	1
3	72-7150	Clamp - Emission Hose	1	16	72-6810	Pick Up Set w/Screws	1
4	72-6910	Cable Assembly		17	72-6800	Igniter Set w/Screws	1
		Spark Plug No. 3	1	18	72-6790	Cover	1
5	72-7140	Clip - Hose	1	19	72-6780	Gasket	1
6	72-7130	Spark Plug Assy. (BP4ES)	3	20	72-6770	Rotor Assembly	1
7	72-6190	High Tension Cable Assy.	1	21	72-6760	Cap Assembly	
8	72-6880	Ignition Coil Assembly	1			(Incl. Ref. #22)	1
9	67-4180	Nut	1	22		Cap Assembly	3
10	67-3260	Washer - Spring	1	23	2412-106	R-Clamp	1
11	42-9660	Washer - Flat	1	*	72-6840	Screw Set - Distributor	1

*Not Illustrated

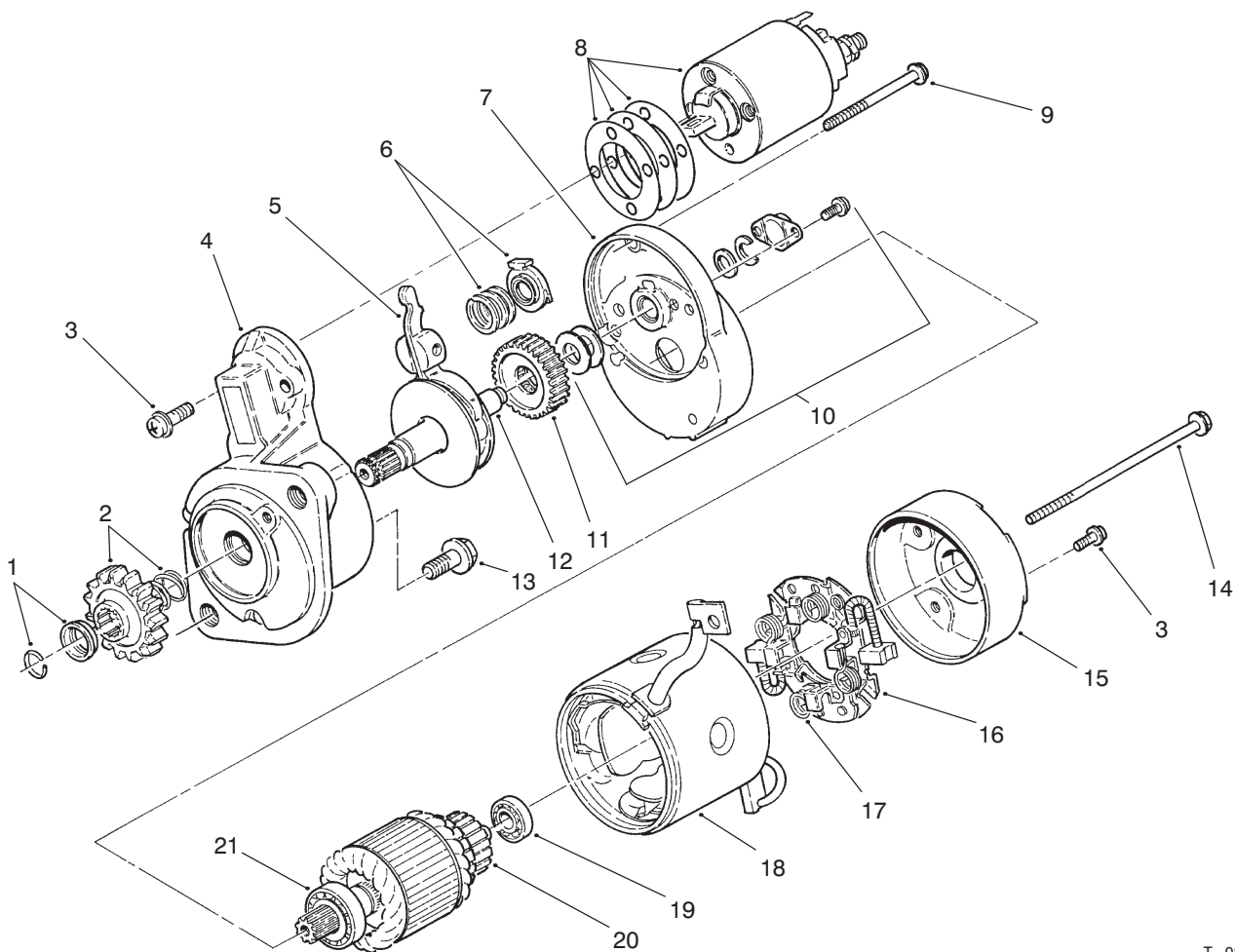


T-0835-1

GOVERNOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67-4310	Gasket - Cover, Tie Rod	1
2	67-4250	Cover - Tie Rod	1
3	42-9440	Bolt w/Washer	4
4	72-6870	Gasket - Cover	1
5	72-6860	Cover	1
6	72-7070	Bolt w/Washer	4
7	42-8690	Metal - Sealing	1
8	42-8700	Wire	1
9	42-9420	Bolt - Speed Set	1
10	67-4290	Nut	1
11	72-6660	O-Ring	1
12	72-6670	Bushing	1
13	67-4120	Pin - Grooved	1
14	72-6710	Seal - Dust	1
15	72-6700	Lever - Throttle	1
16	67-3260	Washer - Spring	1
17	42-9640	Nut - Jam	1
18	67-3990	Speed Cont. Lever Assy.	1

Ref. No.	Part No.	Description	No. Used
19	67-4000	Pin - Grooved	2
20	67-4270	Bolt	4
21	67-4230	Cover - Governor	1
22	67-4160	Gasket - Cover, Governor	1
23	42-8830	O-Ring	1
24	72-6630	Lever - Spring, Governor	1
25	67-3260	Washer - Spring	1
26	42-9640	Nut - Jam	1
27	72-6690	Inner Lever Assembly	1
28	42-9430	Bolt w/Washer	3
29	72-6720	Governor Weight Assembly	1
30	72-6730	Sliding Shaft Assembly	1
31	72-6640	Governor Lever Assembly	1
32	67-4050	Shaft - Governor	1
33	72-7050	Spring - Governor	1
34	72-7040	Bushing	1
35	72-6620	Plug	1
36	72-7030	Gasket	1

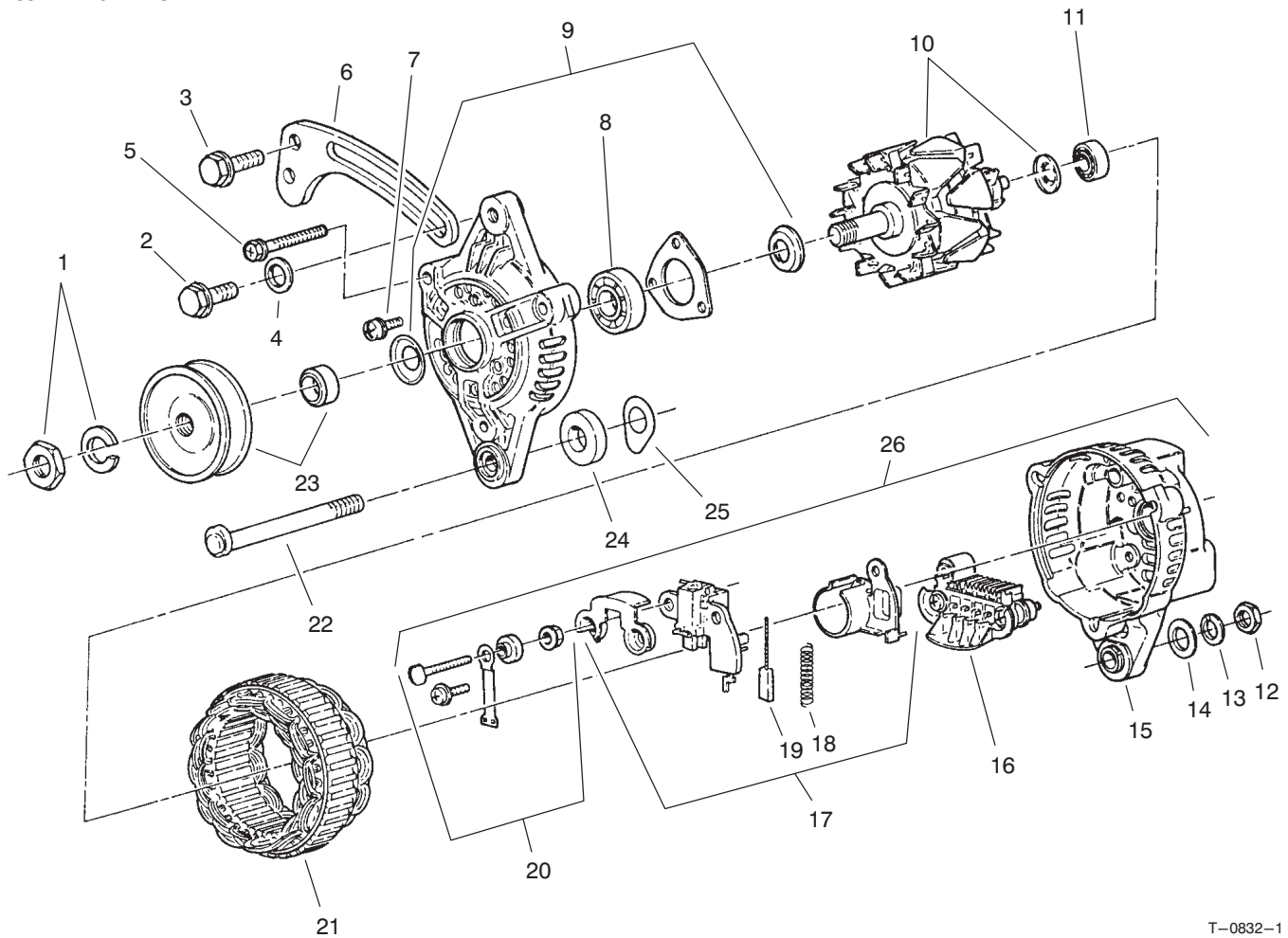


T-0831-2

STARTER ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	56-1640	Stopper Set	1	13		Bolt – Engine Mounting	2
2	67-4770	Pinion Set (Incl. Ref. #1)	1	14	56-5610	Bolt	2
3	56-1510	Screw – Set	2	15	56-1720	Rear Bracket Assembly	1
4	67-4710	Front Bracket Assembly	1	16	56-1700	Holder Assembly (Incl. Ref. #17)	1
5	67-4720	Lever Assembly	1	17	56-1710	Spring – Brush	4
6	67-4730	Spring Set	1	18	67-4800	Yoke Assembly	1
7	67-4740	Center Bracket Assembly	1	19	56-1600	Bearing – Rear	1
8	67-4750	Switch Assembly	1	20	56-1580	Armature Set (Incl. Ref. #19 & 21)	1
9	52-1570	Bolt Set	1	21	56-1590	Bearing – Front	1
10	56-1680	Cover Set (Incl. Ref. #7)	1	*	67-4600	Starter Assembly (12V-1.6 Kw) (Incl. Ref. #1-21)	1
11	56-1670	Gear	1				
12	67-4790	Shaft Assembly	1				
*	67-4780	Gear Set (Incl. Ref. #11-12)	1				
*	67-4760	Clutch Shaft Assembly (Incl. Ref. #1-12)	1				

*Not Illustrated



T-0832-1

ALTERNATOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	43-1920	Nut – Set	1
2	67-4660	Bolt – Flange	1
3	42-9440	Bolt w/Washer	1
4	54-8660	Washer – Flat	1
5	67-4820	Bolt Set	1
6	75-4940	Brace	1
7	67-4840	Screw Set	1
8	67-4850	Bearing – Front	1
9	67-4830	Front Bracket Assembly (Incl. Ref. #7 & 8)	1
10	67-4860	Rotor Assembly (Incl. Ref. #11)	1
11	67-4870	Bearing – Rear	1
12	67-4670	Nut	1
13	67-3260	Washer – Lock	1
14	42-9660	Washer – Flat	1

Ref. No.	Part No.	Description	No. Used
15	67-4890	Rear Bracket Assembly (Incl. Ref. #16-20)	1
16	67-4930	Rectifier Assembly	1
17	67-4910	Regulator Assembly (Incl. Ref. #18-19)	1
18	43-0510	Spring – Brush	2
19	67-4920	Brush	2
20	67-4900	Terminal Set	1
21	67-4880	Stator Assembly	1
22	67-4640	Bolt	1
23	67-4810	Pulley Set	1
24	67-4620	Spacer	1
25	43-0370	Shim	5
*	67-4630	Alternator Assembly (Incl. Ref. #1-25)	1

*Not Illustrated

TORO PART NUMBER INDEX

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Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
3-3251	Spring	5 12 1	27-7120	Nut & Gasket Assembly	22 34 1
3-4324	Washer	28 38 1	27-7130	Clamp Assembly	22 36 1
3-6624	Spring	28 27 1	27-7140	Skirt - Baffle	22 35 1
3-6657	Clip - Skid	27 33 1	27-7150	Cup Assembly	22 37 1
3-7243	Spring - Return	5 20 2	27-7160	Decal - Instructions	22 24 1
4-2390	Washer	28 28 1	27-7170	Mounting Band Assembly	22 31 2
5-0652	Spacer	17 30 1	27-7180	Cap Assembly	22 20 1
5-3637	Washer - Flat	27 38 1	27-7310	Decal - Over Fill Caution	1 16 1
5-7570	Washer	7 6 2	27-9620	Screw - Cap Hex. Hd.	17 29 1
7-3900	Foot Pad - Brake	5 28 2	28-0670	Oil Seal	16 13 2
10-8110	Washer	25 10 5	28-0680	Brake Drum	16 11 2
12-5450	Screw - Thread Forming	14 15 8	28-1280	Boot - Pos. Cable	9 63 1
14-7149	Hood Assembly	1 1 1	28-3300	Bearing - Roller	19 4 1
18-1520	Filter - Fuel	22 17 1	28-3310	Bearing - Needle	19 5 2
21-0141	Joint - Ball R.H.	25 34 2	28-3340	Gasket	19 49 1
21-0151	Joint - Ball L.H.	25 30 2	28-3350	Pin	19 48 2
21-7670	Differential Case	14 6 1	28-3380	Plate - Motor Valve	19 45 1
21-7690	Gear - Pinion	14 10 2	28-3400	O-Ring	19 24 2
21-7700	Shaft - Pinion Mate	14 7 1	28-3420	Relief Valve Cone Chg.	19 27 2
21-7720	Washer - Thrust	14 8 2	28-3440	Threaded Plug	19 42 2
21-7730	Washer - Thrust	14 11 2	28-3450	Washer - Flat	19 36 2
21-7770	Screw - Drive Gear	14 5 5	28-3470	Lip Seal	19 34 1
21-7830	Cover - Gear	14 16 1	28-3480	Bearing - Needle	19 33 1
21-7850	Cap Plug	14 27 1	28-3520	O-Ring	19 31 1
21-8020	Spacer - Frt. Pinion Bearing	15 29 1	28-3530	Screw - Cap Hex. Hd.	19 30 2
21-8090	Diff. Adjust. Shim. .003	15 35 A/R	28-3570	O-Ring	19 21 2
21-8100	Diff. Adjust. Shim. .005	15 36 A/R	28-3580	Ring - Backup	19 20 2
21-8110	Diff. Adjust. Shim. .010	15 37 A/R	28-3590	O-Ring	19 19 2
21-8120	Diff. Adjust. Shim. .030	15 38 A/R	28-3640	Shaft - Pump	19 12 1
21-8180	Bearing - Tapered Roller	16 3 2	28-3650	Bearing - Ball	19 10 1
21-8270	Pin - Dowel	14 4 2	28-3670	Shaft - Trunnion	19 8 1
21-8360	Clip - Retaining	16 10 2	28-5220	Wheel - Friction	7 5 1
21-9260	Cover - Dust	5 39 1	28-8070	Lanyard	23 66 1
21-9370	Adjusting Screw	16 7 2	29-4730	Washer - PTO	8 16 1
21-9380	Nut - Pivot	16 8 2	29-6150	Spring - Leaf	21 22 1
21-9390	Socket - Adjusting Screw	16 6 2	29-6162	Micro Switch	21 7 1
21-9420	Spring - Shoe Return L.H.	16 17 2	29-6170	Spring - Extended Leaf	21 5 1
21-9430	Spring - Shoe Return R.H.	16 18 2	29-9790	Pump - Lever	21 2 1
21-9440	Screw - Spring Adjusting	16 14 2	36-7290	Shaft w/Bearing	27 5 1
21-9450	Dust Shield	16 4 2	37-9590	Spring - Compression	22 44 1
21-9460	Retainer - Parking Brake	16 15 4	38-2670	Kit - Charge Pump	19 37 1
23-2270	Bushing - Rubber	17 3 1	38-2680	Pin	19 32 1
23-2300	Oil Filter	17 27 1	42-6080	Shim - Axle	13 11 A/R
23-7270	Nut - Lug	13 20 10	42-7080	Cap - Sealing	30 22 2
24-8790	Gear - Bevel, Differential	14 9 2	42-7190	Bushing - Knock	30 30 2
24-8840	Ring - Wheel Bearing	16 22 2	42-7210	Plug - Taper	35 13 1
24-9180	Strut/Lever - Parking Brake	16 19 2	42-7290	Gasket - Drain Plug	35 19 1
25-2380	Plate - Thrust	19 15 2	42-7290	Gasket - Oil Drain Plug	34 22 1
25-2430	Pin	19 46 2	42-7510	Pipe	31 11 1
25-2460	Hex Hd. Plug	19 23 2	42-7840	Key - Sunk	33 4 1
25-2470	Shim Pack	19 25 A/R	42-7860	Lock - Retainer	33 20 12
25-2480	Relief Valve Spring Chg.	19 44 1	42-7870	Seal - Valve Stem	33 24 6
25-2500	Shaft - Trunnion	19 2 1	42-8690	Metal - Sealing	38 7 1
25-2510	Washer	19 3 2	42-8700	Wire	38 8 1
25-3210	Lip Seal	19 7 2	42-8830	O-Ring	38 23 1
25-3300	Bearing - Needle	19 18 2	42-9070	Pulley - Fan	27 2 1
27-2360	Ignition Switch Assembly	3 7 1	42-9110	Gasket	31 27 1
27-3680	Spacer - Mounting	17 5 4	42-9260	Plug - Oil Drain	34 23 1
27-3690	Gasket - Transmission	17 38 1	42-9420	Bolt - Speed Set	38 9 1
27-4240	Pin - Cylinder	10 30 2	42-9430	Bolt w/Washer	38 28 3
27-4370	Hub - Pump	17 10 1	42-9440	Bolt w/Washer	38 3 4
27-6590	Spacer	17 22 2	42-9440	Bolt w/Washer	40 3 1
27-6600	Spacer - Rubber	17 15 6	42-9440	Bolt w/Washer	35 7 7
27-6851	Shaft - Flanged Axle R.H.	16 * 1	42-9440	Bolt w/Washer	35 12 4
27-6861	Shaft - Flanged Axle L.H.	16 1 1	42-9490	Bolt w/Washer	33 1 1
27-7100	Air Cleaner Assembly	22 25 1	42-9490	Bolt w/Washer	36 1 4
27-7110	Element Assembly	22 33 1	42-9490	Bolt w/Washer	34 21 18

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TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
42-9510	Bolt	33 13 1	46-2422	Shim Front Pinion Bearing	15 * A/R
42-9560	Stud	30 7 1	46-2423	Shim Front Pinion Bearing	15 * A/R
42-9570	Stud	31 26 4	46-2424	Shim Front Pinion Bearing	15 *28 A/R
42-9590	Nut - Connecting Rod	34 24 6	46-2425	Shim Front Pinion Bearing	15 * A/R
42-9640	Nut - Jam	38 17 1	46-2426	Shim Front Pinion Bearing	15 * A/R
42-9640	Nut - Jam	38 26 1	46-6550	Connector - 90°	13 41 1
42-9650	Nut - Jam	30 27 1	46-6560	Bushing	13 40 1
42-9660	Washer - Flat	33 11 3	46-6810	Screw - Cap Hex. Hd.	1 26 13
42-9660	Washer - Flat	37 11 1	46-7310	Relief Valve Spring Imp.	19 26 1
42-9660	Washer - Flat	40 14 1	46-7320	Plate - Pump Valve	19 17 1
42-9850	Washer - Lock	17 19 2	46-8091	Screw - Cap Hex. Hd.	2 43 2
42-9850	Washer - Lock	27 41 2	46-8810	Stop - Leaf Spring	21 9 1
43-0370	Shim	40 25 5	48-1800	Kit - Cylinder Block	19 16 2
43-0510	Spring - Brush	40 18 2	48-8030	Washer - Flat	28 44 1
43-1910	Fan - Cooling	27 1 1	48-9460	Screw	28 45 1
43-1920	Nut - Set	40 1 1	48-9460	Screw - Cap Hex. Hd.	17 20 2
43-2550	Filter	23 82 1	48-9590	Washer - Lock	28 12 10
43-2560	Gasket	23 83 1	48-9590	Washer - Lock	27 15 8
43-2570	Gasket	23 81 1	49-7820	Variable Swashplate	19 13 1
43-2580	Magnet	23 84 1	49-7830	Check Valve Assembly	19 22 2
43-2710	O-Ring	30 4 1	49-8200	Shaft - Motor	19 47 1
43-2710	O-Ring	36 6 2	51-3150	Shim	21 24 1
43-4031	Cable - Battery Pos.	9 62 1	52-1570	Bolt Set	39 9 1
43-4031	Wire - Positive	4 1 1	52-2340	Spacer	27 31 1
43-5320	Pulley - PTO	8 17 1	52-8890	Bracket - Mounting	21 16 2
43-5920	Washer - Lock	27 39 1	52-9070	Plate - Pump	21 17 1
43-5970	Nut - Hex.	27 40 1	53-4430	Decal - Oil	2 34 1
43-6550	Ring - Retaining	14 26 1	53-8130	Gasket - Exhaust	28 2 1
43-6710	Shim Adjusting Differential	14 18 A/R	53-8150	Pump - Fuel	22 40 1
43-6711	Shim Adjusting Differential	14 19 A/R	53-8680	Hub - Fan	27 3 1
43-6712	Shim Adjusting Differential	14 20 A/R	54-7950	Drive Shaft Assembly	9 * 1
43-6713	Shim Adjusting Differential	14 21 A/R	54-8660	Washer - Flat	40 4 1
43-6750	Cup - Tapered, Bearing	15 31 1	54-9040	Yoke - End	8 32 1
43-6760	Cone - Bearing, Tapered	14 13 1	54-9050	Shaft - Slip Yoke	8 31 1
43-6810	Torque Spider	16 5 2	54-9090	Yoke - End	8 28 1
43-8600	Spring - Compression	23 54 1	54-9170	Tube - Slip Yoke	8 29 1
43-8610	Guide - Spring & Ball Seat	23 59 1	54-9180	Kit - Universal Joint	8 35 2
43-8620	Guide - Switch Pin	23 63 1	56-0020	Cap - Expansion	30 3 3
43-8860	Plunger - Switch	23 60 1	56-0020	Plug - Expansion	31 22 1
43-8870	Boot - Switch	23 65 1	56-0480	Key - Woodruff	33 6 1
43-9071	Seat Switch Assembly	23 * 1	56-0480	Key - Woodruff	34 25 2
44-2230	Coupling - Rubber	17 16 2	56-1060	Ring - Retaining	33 31 1
44-8320	Spring	29 10 3	56-1510	Screw - Set	39 3 2
44-8530	Sock - Hose	5 47 1	56-1580	Armature Set	39 20 1
46-2210	Shim Front Pinion Bearing	14 28 A/R	56-1590	Bearing - Front	39 21 1
46-2211	Shim Front Pinion Bearing	14 * A/R	56-1600	Bearing - Rear	39 19 1
46-2212	Shim Front Pinion Bearing	14 * A/R	56-1640	Stopper Set	39 1 1
46-2213	Shim Front Pinion Bearing	14 * A/R	56-1670	Gear	39 11 1
46-2214	Shim Front Pinion Bearing	14 * A/R	56-1680	Cover Set	39 10 1
46-2215	Shim Front Pinion Bearing	14 * A/R	56-1700	Holder Assembly	39 16 1
46-2216	Shim Front Pinion Bearing	14 * A/R	56-1710	Spring - Brush	39 17 4
46-2220	Shim Front Pinion Bearing	14 * A/R	56-1720	Rear Bracket Assembly	39 15 1
46-2221	Shim Front Pinion Bearing	14 * A/R	56-2460	Washer - Flat	25 48 A/R
46-2222	Shim Front Pinion Bearing	14 * A/R	56-5610	Bolt	39 14 2
46-2223	Shim Front Pinion Bearing	14 * A/R	57-6390	Nut - Hex.	27 42 2
46-2224	Shim Front Pinion Bearing	14 * A/R	58-6320	Wiper - Seal	11 1 1
46-2225	Shim Front Pinion Bearing	15 *28 A/R	58-6400	Bushing	11 5 1
46-2226	Shim Front Pinion Bearing	15 * A/R	58-6420	Cap Assembly	11 8 1
46-2410	Shim Front Pinion Bearing	15 * A/R	58-6450	O-Ring	11 2 2
46-2411	Shim Front Pinion Bearing	15 A/R	58-6460	Ring - Retaining	11 9 1
46-2412	Shim Front Pinion Bearing	15 * A/R	59-9740	Flex. Draw Latch Assembly	2 47 1
46-2413	Shim Front Pinion Bearing	15 * A/R	62-5550	Decal - TORO	2 37 1
46-2414	Shim Front Pinion Bearing	15 * A/R	62-7020	Wheel & Tire Assembly	13 * 2
46-2415	Shim Front Pinion Bearing	15 * A/R	62-7400	Decal - Toro	17 18 1
46-2416	Shim Front Pinion Bearing	15 * A/R	62-7650	Gasket	13 38 1
46-2420	Shim Front Pinion Bearing	15 * A/R	63-6010	Hose - Upper	12 18 1
46-2421	Shim Front Pinion Bearing	15 A/R	63-6020	Hose - Lower	12 22 1

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TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
63-6030	Hub - Clutch	28 32 1	66-1930	Nut - Lock	26 6 1
63-6050	Clutch - Electric	28 40 1	66-1940	Piston	26 5 1
63-6150	Radiator Assembly	12 27 1	66-2320	Mount - Engine	27 19 1
63-6180	Brake Pedal Assy. L.H.	5 26 1	66-2330	Base - Battery	8 6 1
63-6190	Brake Pedal Assy. R.H.	5 29 1	66-2360	Support - Muffler	28 6 1
63-6210	Pin - Brake	5 22 1	66-2440	Plate - Reservoir	27 10 1
63-6240	Belt - PTO	8 18 1	66-2451	Bracket - Air Cleaner	22 29 2
63-6250	Shaft - Tension, PTO	28 34 1	66-2470	Plate - Tower	2 41 1
63-6290	Pin - Tension	28 26 1	66-2490	Clamp - Battery Retainer	8 5 1
63-6410	Rod - Pump Control	7 15 1	66-2590	Pin - Seat Spring	22 43 1
63-6410	Tube - Traction Control	17 1 1	66-2630	Latch - Seat	22 14 1
63-6430	Frame - Rear	25 3 1	66-2670	Bracket - Throttle	9 57 1
63-6440	Shield - Radiator	12 28 1	66-2720	Lever - Lift	10 4 1
63-6510	Shroud - Fan	12 19 1	66-2770	Tube - Cylinder	26 1 1
63-6610	Drive Shaft	17 17 1	66-2800	Rod - Seat Support	22 10 1
63-6630	Cylinder - Lift	10 31 2	66-2870	Cable - Hood Stop	2 45 1
63-6690	Lever - Anchor, Clutch	28 42 1	66-2870	Cable - Stop, Hood	28 8 1
63-6720	Lever - Idler	27 24 1	66-2900	End - Tie Rod	28 20 1
63-6750	Link - Brake Cable	5 19 2	66-2910	Bumper - Rubber	28 17 2
63-6760	Swivel - Cable, Throttle	27 14 1	66-2920	Washer - Friction	9 53 2
63-6760	Throttle Cable Swivel Assy.	9 * 1	66-2940	Gage - Fuel	3 6 1
63-6770	Pin - Rear Axle	25 7 1	66-2950	Meter - Hour	3 14 1
63-6880	Rod - Tie	25 32 2	66-2960	Cluster - Warning Light	3 5 1
63-6890	Plate - Hinge R.H.	2 42 1	66-2990	Cap - Spindle	25 14 2
63-6900	Plate Hinge - L.H.	1 10 1	66-3040	Cover - Tool Box	1 14 1
63-7030	Screen - Hood	1 3 1	66-3050	Strip - Magnetic	1 15 1
63-7140	Mount - Shock (Blue)	8 43 3	66-3060	Dipstick - Differential	13 36 1
63-7141	Mount - Shock (Red)	8 8 1	66-3100	Screw	28 29 1
63-7170	Anchor - Transmission	17 41 1	66-3110	Hyd. Fitting	17 9 2
63-7300	Fender - R.H.	2 39 1	66-3130	Fitting - Hydraulic Tee	10 12 1
63-7310	Fender L.H.	1 20 1	66-3200	Tread - Foot Rest L.H.	1 29 1
63-7320	Cover - Tower Rear	1 32 1	66-3210	Tread - Foot L.H.	1 30 1
63-7340	Wire - Ground	8 1 1	66-3240	Cap - Radiator	12 6 1
63-7340	Wire - Ground	4 2 1	66-8110	Trim - Hood	1 8 1
63-7380	Tank - Expansion	27 11 1	66-8140	Hose	20 11 1
63-7400	Washer - Rebound	8 42 4	66-8140	Hose	5 31 1
63-7410	Bracket - Bulkhead	10 37 1	66-8150	Hose	20 6 1
63-7430	Gage - Temperature	3 15 1	66-8150	Hose - Hydraulic	10 14 1
63-7590	Relay	22 47 1	66-8170	Hose	20 12 2
63-7630	Hose	13 4 1	66-8170	Hose - Hydraulic	5 37 2
63-7640	Sender - Fuel	13 3 1	66-8180	Hose	20 5 1
63-7700	Screen Frame Assembly	12 1 1	66-8180	Hose Assembly	12 10 1
63-7710	Magnetic Strip	12 2 1	66-8190	Hose	20 3 1
63-7730	Cable - Brake R.H.	5 16 1	66-8190	Hydraulic Hose Assembly	10 25 1
63-7731	Cable - Brake L.H.	5 * 1	66-8490	Hose	20 10 1
63-7790	Screw	28 13 10	66-8490	Hose Assembly	17 23 1
63-7790	Screw	27 16 8	66-8500	Hose	20 8 1
63-7880	Pin - Brake Latch	5 23 1	66-8500	Hose	10 15 1
63-7900	Rack - Brake	5 15 1	66-8500	Hose Assembly	12 31 1
63-7910	Rod - Brake Latch	5 9 1	66-8620	Tube	20 9 1
63-7960	Lift Valve Assembly	11 * 1	66-8620	Tube Hydraulic (Pump-Str.)	5 33 1
63-7960	Valve - Lift	10 6 1	66-8630	Tube	20 7 1
63-8050	Box - Control	2 40 1	66-8630	Tube - Hydraulic (Str.-Lift)	5 32 1
63-8090	Assembly - Lower Housing	14 1 1	66-8640	Hose	20 4 1
63-8140	Pulley	27 28 1	66-8640	Hydraulic Hose Assembly	10 33 1
63-8150	Key	28 41 1	66-8690	Lamp Harness Assembly	4 4 1
63-8230	Angle - Anchor, Clutch	28 16 2	66-8750	Decal - Control Levers	23 56 1
63-8360	Key - Ignition	3 10 1	66-8760	Decal - Tower L.H.	2 33 1
63-8410	Washer - Flat	9 70 4	66-8770	Decal - Tower R.H.	2 * 1
63-9750	Mount	9 69 2	66-9970	Spring Kit	6 * 1
65-2740	Spacer	11 10 1	66-9980	Seal Kit	6 * 1
65-2750	Plunger	11 11 1	66-9990	Needle Roller Kit	6 * 1
65-2760	Spring	11 12 1	67-1631	Spacer	28 30 1
65-2770	Washer	11 6 1	67-1690	Fitting	23 68 2
65-2930	Plug Assembly	11 13 1	67-1710	Decal - Interlock	22 48 1
65-2950	Spring	11 7 1	67-1720	Decal - Caution	1 27 2
65-5100	Handle - Hood	1 2 1	67-1750	Bushing	25 9 6

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Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
67-1800	Plate - Pivot	28 37 1	67-2930	Pulley - Crankshaft	34 4 1
67-1900	Screw - Cap Hex. Hd.	17 43 1	67-2940	Nut - Jam	34 1 1
67-2200	Gasket - Oil Pan	34 18 1	67-2950	Washer - Flat	34 3 1
67-2200	Slide - Seal	34 17 4	67-2960	Washer - Spring	34 2 1
67-2230	Seal - Oil	30 19 1	67-2970	Flywheel Assembly	34 13 1
67-2250	Bolt - Bearing Cap	34 19 1	67-2980	Gear - Ring	34 14 1
67-2260	Shaft - Idler	30 29 1	67-2990	Bolt - Flywheel	34 12 4
67-2270	Case - Oil Seal	30 18 1	67-3000	Washer - Camshaft Stopper	33 2 1
67-2280	Gasket - Case	30 20 1	67-3010	Camshaft	33 28 1
67-2310	Plate - Front	35 5 1	67-3020	Gear - Camshaft	33 29 1
67-2320	Gasket - Front Plate	35 6 1	67-3030	Bearing - Ball	33 3 2
67-2330	Bolt	36 4 6	67-3040	Spacer	33 30 1
67-2330	Bolt	30 17 6	67-3070	Gear - Fuel Injection Pump	33 33 1
67-2330	Bolt	31 41 2	67-3090	Idler Gear Assembly	33 32 1
67-2340	Bolt w/Washer	35 4 3	67-3100	Retainer - Valve Spring	33 21 6
67-2340	Bolt w/Washer	31 25 2	67-3110	Spring - Valve	33 23 6
67-2350	Plug - Expansion	30 21 1	67-3120	Tappet	33 25 6
67-2360	Bushing - Knock	30 24 2	67-3130	Valve - Intake	33 27 3
67-2370	Bushing - Knock	30 28 1	67-3140	Valve - Exhaust	33 26 3
67-2380	Bushing - Knock	30 23 3	67-3150	Rod - Push	33 22 6
67-2390	Plug - Taper	30 8 1	67-3160	Arm - Rocker	33 15 6
67-2400	Bearing Set Crankshaft Std.	34 15 1	67-3170	Spring - Rocker Shaft	33 14 2
67-2410	Bearing Set Crankshaft 0.25	34 * 1	67-3180	Cap - Valve Stem	33 19 6
67-2420	Bearing Set Crankshaft 0.50	34 * 1	67-3190	Rocker Shaft Assembly	33 10 1
67-2430	Bracket - Starter	30 10 1	67-3200	Stay - Rocker	33 7 3
67-2440	Bolt w/Washer	30 11 3	67-3210	Screw - Adjusting	33 18 6
67-2470	Oil Pan Assembly	34 20 1	67-3220	Pin - Grooved	33 9 1
67-2500	Plunger - Relief	35 17 1	67-3230	Nut - Jam	33 17 6
67-2510	Spring - Relief	35 18 1	67-3240	Ring - Retaining	33 8 2
67-2520	Plug	35 20 1	67-3250	Bolt - Rocker Stay	33 16 2
67-2530	Gear - Inner, Oil Pump	35 11 1	67-3260	Washer - Lock	40 13 1
67-2540	Gear - Outer, Oil Pump	35 10 1	67-3260	Washer - Spring	37 10 1
67-2550	Housing - Oil Pump	35 9 1	67-3260	Washer - Spring	33 12 3
67-2560	Bolt w/Washer	35 8 3	67-3260	Washer - Spring	38 16 1
67-2570	Plug - Taper	35 22 1	67-3260	Washer - Spring	38 25 1
67-2570	Plug - Taper	31 23 1	67-3990	Speed Cont. Lever Assy.	38 18 1
67-2580	Gasket - Gear Case	35 2 1	67-4000	Pin - Grooved	38 19 2
67-2590	Seal - Oil	35 16 1	67-4050	Shaft - Governor	38 32 1
67-2600	Bolt	35 14 3	67-4120	Pin - Grooved	38 13 1
67-2600	Bolt	36 21 1	67-4160	Gasket - Cover, Governor	38 22 1
67-2610	Bolt	35 15 4	67-4180	Nut	37 9 1
67-2610	Bolt	36 27 2	67-4230	Cover - Governor	38 21 1
67-2620	Bolt	35 21 1	67-4250	Cover - Tie Rod	38 2 1
67-2620	Bolt	31 43 1	67-4270	Bolt	38 20 4
67-2630	O-Ring	35 3 2	67-4290	Nut	31 6 2
67-2640	Cap - Sealing	35 23 1	67-4290	Nut	38 10 1
67-2650	Oil Filter Cap Assembly	35 25 1	67-4300	Ring - Retaining	31 8 2
67-2660	O-Ring	35 24 1	67-4310	Gasket - Cover, Tie Rod	38 1 1
67-2680	Hanger - Engine	31 24 2	67-4330	Oil Filter Assembly	30 31 1
67-2700	Guide - Valve	31 19 6	67-4340	Oil Screen Assembly	30 26 1
67-2710	Cap - Sealing	31 21 3	67-4350	Switch - Oil Pressure	36 26 1
67-2710	Cap - Sealing	31 39 1	67-4360	Pulley - Water Pump	36 2 1
67-2720	Gasket - Cylinder Head	31 33 1	67-4380	Water Pump Assembly	36 22 1
67-2730	Bolt - Cylinder Head	31 36 8	67-4390	Gasket - Water Pump	36 23 1
67-2740	Bolt - Flange	31 20 3	67-4400	Bolt	36 20 1
67-2760	Gasket - Rocker Arm Cover	31 18 1	67-4400	Bolt	31 46 1
67-2770	Nut - Cap	31 14 2	67-4410	V-Belt	36 28 1
67-2780	Washer - Flat	31 15 2	67-4420	Fitting - Water Outlet	36 13 1
67-2790	Ring Set - Piston, Std.	34 11 3	67-4430	Gasket - Fitting, Water Out.	36 12 1
67-2800	Ring Set - Piston, 0.25 OS	34 * 3	67-4440	Thermostat	36 11 1
67-2810	Ring Set - Piston, 0.50 OS	34 * 3	67-4450	Fitting - Thermostat	36 5 1
67-2850	Connecting Rod Assembly	34 8 34	67-4460	Gasket - Fitting, Thermostat	36 19 1
67-2860	Bolt - Connecting Rod	34 9 6	67-4470	Bolt	36 3 1
67-2880	Bearing Set	34 7 3	67-4490	Gasket - Switch	36 17 1
67-2890	Bearing Set	34 * 3	67-4500	Switch - Temp. Shut-Down	36 18 1
67-2900	Bearing Set	34 * 3	67-4510	Gauge - Water Temperature	36 10 1
67-2910	Gear - Crankshaft	34 5 1	67-4550	Gasket - Intake Manifold	31 37 1

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67-4570	Gasket - Exhaust Manifold	31 34 1	71-3500	Lever - Throttle	9 55 1
67-4580	Bolt	31 29 2	71-3520	Decal - Service	1 18 1
67-4590	Bolt	31 31 4	71-3530	Hose - Carburetor	27 53 1
67-4600	Starter Assembly	39 * 1	71-3730	Decal - Gas	22 16 1
67-4620	Spacer	40 24 1	71-4540	Washer - Thrust	25 2 1
67-4630	Alternator Assembly	40 * 1	72-4320	Switch	23 57 1
67-4640	Bolt	40 22 1	72-6000	Cylinder Block Assembly	30 * 1
67-4660	Bolt - Flange	40 2 1	72-6010	Sleeve	30 9 1
67-4670	Nut	40 12 1	72-6030	Bracket - Oil Filter	30 34 1
67-4710	Front Bracket Assembly	39 4 1	72-6040	Gasket - Oil Filter Bracket	30 33 1
67-4720	Lever Assembly	39 5 1	72-6050	Cylinder Head Assembly	31 35 1
67-4730	Spring Set	39 6 1	72-6070	Separator - Oil	31 17 1
67-4740	Center Bracket Assembly	39 7 1	72-6090	Intake Cover Assembly	31 40 1
67-4750	Switch Assembly	39 8 1	72-6110	Joint	31 38 1
67-4760	Clutch Shaft Assembly	39 * 1	72-6120	Joint	31 42 1
67-4770	Pinion Set	39 2 1	72-6130	Cover - Distributor	31 48 1
67-4780	Gear Set	39 * 1	72-6140	Cover - Alternator	31 32 1
67-4790	Shaft Assembly	39 12 1	72-6150	Stud	31 44 2
67-4800	Yoke Assembly	39 18 1	72-6160	Piston & Pin Set. Std.	34 10 3
67-4810	Pulley Set	40 23 1	72-6170	Piston & Pin Set 0.25 OS	34 * 3
67-4820	Bolt Set	40 5 1	72-6180	Piston & Pin Set 0.50 OS	34 * 3
67-4830	Front Bracket Assembly	40 9 1	72-6190	High Tension Cable Assy.	37 7 1
67-4840	Screw Set	40 7 1	72-6200	Shaft - Distributor	33 5 1
67-4850	Bearing - Front	40 8 1	72-6210	Washer	31 7 2
67-4860	Rotor Assembly	40 10 1	72-6220	Rod - Link	31 2 1
67-4870	Bearing - Rear	40 11 1	72-6230	Gasket - Intake Pipe	31 3 1
67-4880	Stator Assembly	40 21 1	72-6240	Gasket - Carburetor	31 45 1
67-4890	Rear Bracket Assembly	40 15 1	72-6250	Pipe - Intake	31 4 1
67-4900	Terminal Set	40 20 1	72-6260	Carburetor Assembly	31 1 1
67-4910	Regulator Assembly	40 17 1	72-6260	Carburetor Assembly	32 33 1
67-4920	Brush	40 19 2	72-6270	Screw	32 8 2
67-4930	Rectifier Assembly	40 16 1	72-6280	Valve - Throttle	32 7 1
67-7050	Field Rotor Assembly	29 1 1	72-6290	Throttle Shaft Assembly	32 9 1
67-7060	Ring - Retaining	29 8 1	72-6300	Spring	32 6 1
67-7070	Arm. & Pulley Assembly	29 5 1	72-6310	Ring	32 5 1
67-7080	Collar - Bearing	29 6 1	72-6320	Seal	32 4 1
67-7090	Bearing - Pulley	29 7 1	72-6330	Screw	32 10 2
67-7100	Plate - Brake	29 11 1	72-6340	Valve - Choke	32 13 1
67-7120	Link - Fusible	4 5 1	72-6350	Choke Lever Assembly	32 12 1
67-7160	Fuse Block	22 1 1	72-6360	Bolt	32 11 1
67-7250	Spacer Cyl.	25 39 1	72-6370	Ring	32 14 1
67-7300	Screw Hex Hd.	25 36 1	72-6380	Ring	32 15 1
67-7380	Reservoir Tank Assembly	36 25 1	72-6390	Spring	32 16 1
67-9410	Washer - Flat	25 52 1	72-6400	Cap	32 17 1
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68-5370	Decal - Toro	5 40 1	72-6420	Jet - Pilot (40)	32 3 1
68-7380	Connector Assembly	4 10 1	72-6430	Nozzle - Main	32 31 1
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70-8880	Guide - Oil Level Gauge	30 2 1	72-6480	Pin	32 19 1
71-1460	Bracket - Clamp	27 49 1	72-6490	Jet - Main Air (2.0)	32 20 1
71-1520	Cap - Reservoir	27 44 1	72-6500	Jet - Pilot Air (1.2)	32 34 1
71-1520	Reservoir Cap Assembly	36 24 1	72-6510	Gasket	32 21 1
71-1540	Tube - Vent	12 20 1	72-6520	Float Body Assembly	32 25 1
71-2890	Control - Choke	3 11 1	72-6530	Gasket	32 29 1
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71-2980	Bracket - Coil	27 30 1	72-6560	Screw	32 27 1
71-3380	Hose	22 42 1	72-6570	Spring	32 2 2
71-3380	Hose - Fuel	13 37 1	72-6580	Adjuster Assembly	32 1 1
71-3381	Hose	22 19 1	72-6590	Clip - Spring	32 37 1
71-3382	Hose - Fuel	22 50 1	72-6600	Hose	32 35 1
71-3384	Hose	12 9 1	72-6610	Screw	32 36 1
71-3470	Hose - Air Cleaner Inlet	22 21 1	72-6620	Plug	38 35 1

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72-6640	Governor Lever Assembly	38 31 1	76-4810	Steering Pivot Assembly	25 28 1
72-6650	Jet - Main	32 32 1	76-4830	Rod - Tie	10 18 1
72-6660	O-Ring	38 11 1	76-4860	Muffler	28 3 1
72-6670	Bushing	38 12 1	76-8750	Plate - Warning	12 12 1
72-6690	Inner Lever Assembly	38 27 1	77-0550	Tube - Fill	15 44 1
72-6700	Lever - Throttle	38 15 1	80-3330	Gasket	22 27 1
72-6710	Seal - Dust	38 14 1	82-8530	Fitting	17 26 1
72-6720	Governor Weight Assembly	38 29 1	82-8950	Foam	2 51 2
72-6730	Sliding Shaft Assembly	38 30 1	84-1870	Bracket	27 23 1
72-6740	Pipe - Bypass	36 7 1	84-1940	Hub	27 7 1
72-6750	Distributor Assembly	37 12 1	84-7580	Plate - Bushing Support	9 64 1
72-6760	Cap Assembly	37 21 1	84-7660	Clamp - Column	5 44 1
72-6770	Rotor Assembly	37 20 1	84-7670	Foam - Column Support	5 43 2
72-6780	Gasket	37 19 1	84-8600	Brake Shoe Set	16 16 1
72-6790	Cover	37 18 1	85-4980	PTO Switch Assembly	3 3 1
72-6800	Igniter Set w/Screws	37 17 1	85-7550	Wire Harness Assembly	4 3 1
72-6810	Pick Up Set w/Screws	37 16 1	85-7560	Plate - Control Panel	3 16 1
72-6820	Housing Set	37 14 1	86-7220	Gear - Spur	17 36 1
72-6830	O-Ring	37 13 1	86-7230	Gear - Spur	14 17 1
72-6840	Screw Set - Distributor	37 * 1	86-7930	Upper Housing Assembly	14 22 1
72-6850	Lead Wire Set w/Screws	37 15 1	86-9640	Axle Assembly	13 34 1
72-6860	Cover	38 5 1	92-0845	Crankshaft	34 6 1
72-6870	Gasket - Cover	38 4 1	92-0846	Rocker Arm Cover Assy.	31 16 1
72-6880	Ignition Coil Assembly	37 8 1	92-0847	Oil Fill Cap Assembly	31 12 1
72-6890	Cable Assembly	37 1 1	92-1773	Screw - Cap Hex. Hd.	14 14 4
72-6900	Cable Assembly	37 2 1	92-1774	Oil Seal	16 2 2
72-6910	Cable Assembly	37 4 1	92-4848	Assembly - Gear & Pinion	15 * 1
72-6920	Kit - Gasket	30 * 1	92-4909	Differential Carrier Assembly	15 * 1
72-6940	Joint - Water Drain	30 6 1	92-5076	Adapter - Filter	17 45 1
72-6950	Retainer - Gauge Guide	30 5 1	92-5077	Bracket - Footrest	7 27 1
72-6970	Gauge - Oil Level	30 1 1	92-5082	Hose	20 1 2
72-6980	Bolt	30 35 3	92-5082	Hose	17 35 2
72-6990	O-Ring	30 32 1	92-5083	Hose	20 2 1
72-7000	Washer - Lock	31 5 2	92-5083	Hose - Hydraulic	15 41 1
72-7020	Cover - Starter	31 30 1	92-5083	Hose - Hydraulic	17 49 1
72-7030	Gasket	38 36 1	92-5085	Union Filter	17 32 1
72-7040	Bushing	38 34 1	92-5086	Fitting - Hydraulic 45°	17 47 1
72-7050	Spring - Governor	38 33 1	92-5087	Seal - Adapter, Filter	17 33 1
72-7070	Bolt w/Washer	38 6 4	92-5088	Fitting - 45°	15 30 1
72-7080	Clip - Hose	36 8 4	92-5512	Fitting - Hydraulic, Straight	18 52 2
72-7090	Hose - Fuel	36 9 1	92-5513	Transmission	17 6 1
72-7100	Bolt	36 16 1	92-5514	Footrest	7 30 1
72-7100	Bolt	31 47 2	92-5534	Shaft - Traction Pedal	7 26 1
72-7110	Clip	36 15 1	92-5537	Pin - Pedal, Pivot	7 8 1
72-7120	Hose - Fuel	36 14 1	92-5540	Tread - Foot R.H.	1 31 1
72-7130	Spark Plug Assy. (BP4ES)	37 6 3	92-5545	Cover - Tower Front	2 36 1
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72-7150	Clamp - Emission Hose	37 3 1	92-5709	Housing	19 6 1
72-7160	Clip - Hose	31 10 2	92-5716	Center Section	19 39 1
72-7170	Pipe - Air Breather	31 9 1	92-5717	Plug - Pipe	19 40 1
72-9420	Assembly - Vent	15 40 1	92-5750	Pad - Footrest	7 31 1
74-0720	Tube - Manual	24 1 1	92-5753	Clamp - R	9 76 1
75-0560	Steering Wheel Assembly	5 6 1	92-5757	Radiator Support Assembly	12 5 1
75-4920	Gear Case Sub Assembly	35 1 1	92-5759	Plate - Seat	22 9 1
75-4940	Brace	40 6 1	92-5772	Decal - Traction Pedal	2 38 1
75-6880	Screen - Spark Arrester	28 * 1	92-6500	Frame Assembly	2 35 1
76-1000	Cable - Throttle	9 59 1	92-6501	Tool Box Assembly	1 19 1
76-2070	Cylinder - Steering	25 40 1	92-7308	Power Steering Valve Assy.	5 3 1
76-2080	Assembly - Piston Rod	26 4 1	92-7310	Bolt - Special	6 36 4
76-2090	Kit - Seal	26 2 1	92-7314	Column Assembly	6 * 1
76-2790	Gland	26 3 1	92-7315	Seal	6 28 1
76-2970	Bushing	25 55 2	92-7316	Nut - Push On	6 38 1
76-2980	Washer - Thrust	25 54 1	92-7317	Foam	6 39 1
76-3000	Axle Assembly	25 37 1	92-7892	Bracket - Seat Switch	23 51 1
76-3080	Lift Arm - R.H.	13 * 1	92-7895	Frame - Seat	23 55 1
76-3090	Lift Arm - L.H.	13 30 1	92-8751	Bracket - PTO Bearing	8 26 1

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92-8798	Decal - Warning	1 17 1	2412-36	Clamp	13 9 1
92-8799	Bearing	28 33 1	2412-36	Clamp - Hose	10 13 3
92-8799	PTO Shaft Bearing Assy.	8 23 1	2412-42	Clamp - Hose	22 22 1
92-8854	Bracket - Pivot	7 7 1	2412-58	Clamp	27 48 2
92-8855	Shaft - PTO	8 20 1	2412-92	Clamp	27 51 2
92-8874	Tank - Fuel	13 39 1	2412-92	Clamp - Hose	23 73 1
92-8879	Belt - Fan	27 29 1	2412-96	R-Clamp	13 6 1
92-9786	Carrier Bracket	13 31 2	2412-96	R-Clamp	23 52 1
92-9788	Pivot Pin Assembly	13 25 2	2412-103	R-Clamp	12 23 2
93-0307	Nut - Lock, Retainer	25 57 2	2412-104	R-Clamp	8 12 1
93-0309	Washer - Tab	25 22 2	2412-106	R-Clamp	37 23 1
93-3101	Cap - Fuel	13 8 1	2412-107	R-Clamp	23 71 1
93-3187	Decal - GM 224	1 5 2	2412-108	Clamp	13 42 4
93-3192	Decal - Hood R.H.	1 * 1	2412-108	Clamp - Hose	12 7 2
93-3193	Decal - Hood L.H.	1 7 1	2412-108	Clamp - Hose	22 41 4
93-3195	Spindle - Wheel L.H.	25 17 1	2412-108	Hose Clamp	17 34 4
93-3196	Spindle - Wheel R.H.	25 35 1	2412-119	Clamp - Hose	17 48 1
93-4133	Lip Seal	19 9 1	2412-119	Clamp - Hose	15 47 1
93-7416	Insert - Shield, Dust	16 20 2	2412-133	R-Clamp	24 2 2
93-9991	Bracket	28 10 1	251-77	Collar - Locking	8 22 1
94-2975	Shaft - Seal	19 34 1	251-77	Collar - Locking	28 52 1
94-2976	Ring - Retaining	19 50 1	251-259	Bearing - Ball	21 23 1
94-3307	Pad - Traction Pedal Front	7 1 1	253-129	Seal - Hub	25 27 2
94-3308	Pad - Traction Pedal Rear	7 3 1	254-65	Cone - Tapered, Bearing	15 33 2
94-3591	Pedal - Traction	7 2 1	254-66	Cup - Tapered, Bearing	15 32 2
94-6934	Screw - Cap Hex. Hd.	16 21 8	254-72	Cup - Bearing	25 20 4
94-6935	Nut - Lock, Flange Hd.	16 12 8	254-90	Cup - Bearing	14 24 1
94-6936	Washer - Flat	16 23 8	254-91	Cone - Bearing	14 25 1
217-116	Rim - 23 x 10.5 x 12	13 * 2	254-94	Cone - Bearing	25 21 4
217-117	Rim	13 19 2	256-42	Bushing	5 27 4
217-118	Rim	25 19 2	256-101	Bushing	13 28 4
218-446	Nut - Hex.	3 9 1	256-121	Washer - Thrust	25 16 2
218-447	Washer - Lock	3 8 1	256-156	Bushing - Flange	7 10 2
218-461	Nut - Jam	23 64 2	256-299	Bushing	28 36 2
218-573	Fuse 5.0 Amp	4 7 1	282-27	Clevis	10 22 1
218-576	Nut - Hex.	3 4 1	283-16	Pin - Clevis	10 19 1
218-578	Fuse 10.0 Amp	4 6 1	283-49	Pin - Clevis	22 8 2
219-17	Bulb - Light	4 9 3	283-58	Pin - Clevis	5 17 4
231-95	Tire - 23 x 10.5 x 12	13 * 2	283-58	Pin - Clevis	10 23 1
231-101	Tire	13 18 2	283-58	Pin - Clevis	2 44 1
231-105	Tire	25 18 2	283-58	Pin - Clevis	28 48 1
232-27	Valve Stem w/Cap	13 21 2	285-17	Plug - Pipe	19 28 4
232-35	Stem - Valve	25 26 2	289-6	Nipple - Pipe	15 45 1
233-17	Knob	5 8 1	2810-1	Coupler	15 46 1
233-39	Knob	10 5 1	302-5	Fitting - Grease	28 1 1
233-39	Knob	9 54 1	302-5	Fitting - Grease	25 11 3
237-7	O-Ring	23 62 1	302-5	Fitting - Grease	5 30 2
237-21	Seal - O-Ring	25 47 2	302-40	Fitting - Grease	28 47 1
237-22	O-Ring	17 25 1	302-40	Fitting - Grease	9 79 1
237-22	O-Ring	5 38 2	302-58	Fitting - Grease	8 30 1
237-22	Seal - O-Ring	10 11 7	302-62	Fitting - Grease	13 29 2
237-22	Seal - O-Ring	10 28 2	302-62	Fitting - Grease	25 50 1
237-30	O-Ring	5 36 2	304-46	Drain Cock	12 29 1
237-30	O-Ring	23 58 1	304-99	Fitting - Hydraulic 90°	10 27 2
237-42	O-Ring	17 7 4	321-3	Screw - Cap Hex. Hd.	1 4 7
237-65	Seal - O-Ring	10 9 5	321-3	Screw - Cap Hex. Hd.	28 14 2
237-78	O-Ring	18 51 3	321-3	Screw - Cap Hex. Hd.	5 21 1
237-78	Seal - O-Ring	25 45 2	321-3	Screw - Cap Hex. Hd.	27 37 4
237-79	O-Ring	17 46 2	321-4	Screw - Cap Hex. Hd.	25 8 1
237-136	Grommet	13 13 3	321-4	Screw - Cap Hex. Hd.	8 9 2
241-119	Cap - Hub	25 25 2	321-4	Screw - Cap Hex. Hd.	22 12 3
242-34	Stud - Axle Flange	16 9 10	321-4	Screw - Cap Hex. Hd.	12 16 4
2411-36	End - Rod	7 18 1	321-4	Screw - Cap Hex. Hd.	21 21 2
2412-4	R-Clamp	17 40 1	321-4	Screw - Cap Hex. Hd.	27 35 3
2412-34	Clamp - Hose	12 17 4	321-4	Screw - Cap Hex. Hd.	10 38 2
2412-34	Clamp - Hose	15 42 2	321-4	Screw - Cap Hex. Hd.	2 54 2

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321-6	Screw - Cap Hex. Hd.	23 69 2	3234-13	Screw - Flange Hd.	25 12 2
321-8	Screw - Cap Hex. Hd.	22 38 2	3234-13	Screw - Flange Hd.	1 24 8
321-9	Screw - Cap Hex. Hd.	21 3 2	3234-14	Screw - Flange Hd.	1 21 8
321-11	Screw - Cap Hex. Hd.	10 16 2	3234-17	Screw - Flange	12 4 2
322-3	Screw - Cap Hex. Hd.	8 37 1	3234-17	Screw - Flange	22 15 2
322-3	Screw - Cap Hex. Hd.	23 72 4	3234-25	Screw - Flange	25 1 4
322-4	Screw - Cap Hex. Hd.	27 6 2	3234-29	Screw - Cap Hex. Flange	28 7 1
322-5	Screw - Cap Hex. Hd.	24 3 2	3241-6	Screw - Set	17 13 2
322-5	Screw - Cap Hex. Hd.	5 4 2	3246-1	Screw - Set	8 21 1
322-5	Screw - Cap Hex. Hd.	13 5 1	3246-2	Screw - Set	28 51 1
322-5	Screw - Cap Hex. Hd.	22 32 5	3249-3	Screw - Round Hd.	12 36 2
322-5	Screw - Cap Hex. Hd.	8 39 15	3249-11	Screw - Round Hd.	21 8 2
322-6	Screw - Cap Hex. Hd.	28 46 1	3250-39	Screw - Pan Head	28 18 2
322-9	Screw - Cap Hex. Hd.	8 34 4	3253-2	Washer - Lock	27 52 2
322-11	Screw - Cap Hex. Hd.	27 21 1	3253-3	Washer - Lock	10 8 2
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322-17	Screw - Cap Hex. Hd.	21 18 1	3253-3	Washer - Lock	22 13 2
323-6	Screw - Cap Hex. Hd.	27 25 1	3253-3	Washer - Lock	13 14 3
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323-8	Screw - Cap Hex. Hd.	19 29 2	3253-4	Washer - Lock	8 38 4
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323-10	Screw - Cap Hex. Hd.	19 43 4	3253-21	Washer - Lock	3 12 1
323-11	Screw - Cap Hex. Hd.	8 41 3	3253-21	Washer - Lock	21 13 2
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323-29	Screw - Cap Hex. Hd.	7 17 1	3253-21	Washer - Lock	17 31 4
323-34	Screw - Cap Hex. Hd.	28 43 1	3254-9	Washer - Lock, Int. Tooth	21 10 2
323-39	Screw - Cap Hex. Hd.	21 14 2	3255-8	Washer - Lock	14 3 8
323-39	Screw - Cap Hex. Hd.	17 28 3	3255-8	Washer - Lock	1 12 4
324-5	Screw - Cap Hex. Hd.	13 27 4	3255-8	Washer - Lock, Ext. Tooth	22 39 1
324-23	Screw - Cap Hex. Hd.	19 35 2	3255-8	Washer - Lock, Ext. Tooth	8 46 1
325-5	Screw - Cap Hex. Hd.	25 6 2	3256-1	Washer - Flat	3 21 4
328-25	Screw - Cap Hex. Hd.	25 41 1	3256-22	Washer - Flat	10 7 2
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3210-7	Screw - Cap Hex. Hd.	21 4 1	3256-22	Washer - Flat	22 18 7
3210-7	Screw - Cap Hex. Hd.	14 23 8	3256-22	Washer - Flat	5 35 3
3210-8	Screw - Cap Hex. Hd.	17 24 2	3256-22	Washer - Flat	25 51 1
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3217-5	Nut - Hex.	27 47 1	3256-23	Washer - Flat	5 1 4
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3217-29	Nut - Hex.	12 37 2	3256-23	Washer - Flat	28 19 4
3218-3	Nut - Jam	17 42 2	3256-23	Washer - Flat	27 20 1
3219-2	Nut	14 2 8	3256-23	Washer - Flat	5 42 2
3219-2	Nut - Hex.	21 6 1	3256-24	Washer - Flat	8 4 4
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3220-2	Nut - Jam	28 21 1	3256-24	Washer - Flat	7 12 1
3220-2	Nut - Jam R.H.	10 21 1	3256-24	Washer - Flat	28 22 2
3220-3	Nut - Jam	3 13 1	3256-24	Washer - Flat	3 22 1
3220-3	Nut - Jam	7 16 1	3256-24	Washer - Flat	27 27 1
3220-3	Nut - Jam	25 43 8	3256-24	Washer - Flat	17 44 1
3220-5	Nut - Jam R.H.	25 33 2	3256-24	Washer - Flat	25 56 2
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3220-6	Nut - Hex.	5 5 1	3256-26	Washer - Flat	10 2 2
3220-7	Nut - Jam	25 23 2	3256-26	Washer - Flat	17 2 1
3220-7	Nut - Jam	18 50 1	3256-26	Washer - Flat	5 14 1
3220-12	Nut - Jam L.H.	25 31 2	3256-27	Washer - Flat	22 45 1
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3230-2	Bolt - Carriage	7 25 2	3256-69	Washer - Flat	22 23 1
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3272-6	Pin - Cotter	7 14 1	32121-6	Pin - Roll	22 46 1
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3272-10	Pin - Cotter	10 39 1	32121-49	Pin - Spring	13 43 2
3272-10	Pin - Cotter	2 46 1	32121-50	Pin - Roll	5 24 1
3272-10	Pin - Cotter	28 49 1	32121-50	Pin - Roll	7 32 1
3272-11	Pin - Cotter	22 6 2	32121-71	Pin - Spring	13 44 2
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*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 Groundsmaster 224 has two identification numbers; a model number and a serial number. The two numbers are stamped on a plate which is located on the main frame under the seat. In any correspondence concerning the Groundsmaster 224, 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 Groundsmaster 224.
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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MAINTENANCE RECORD

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

Litho in U.S.A.