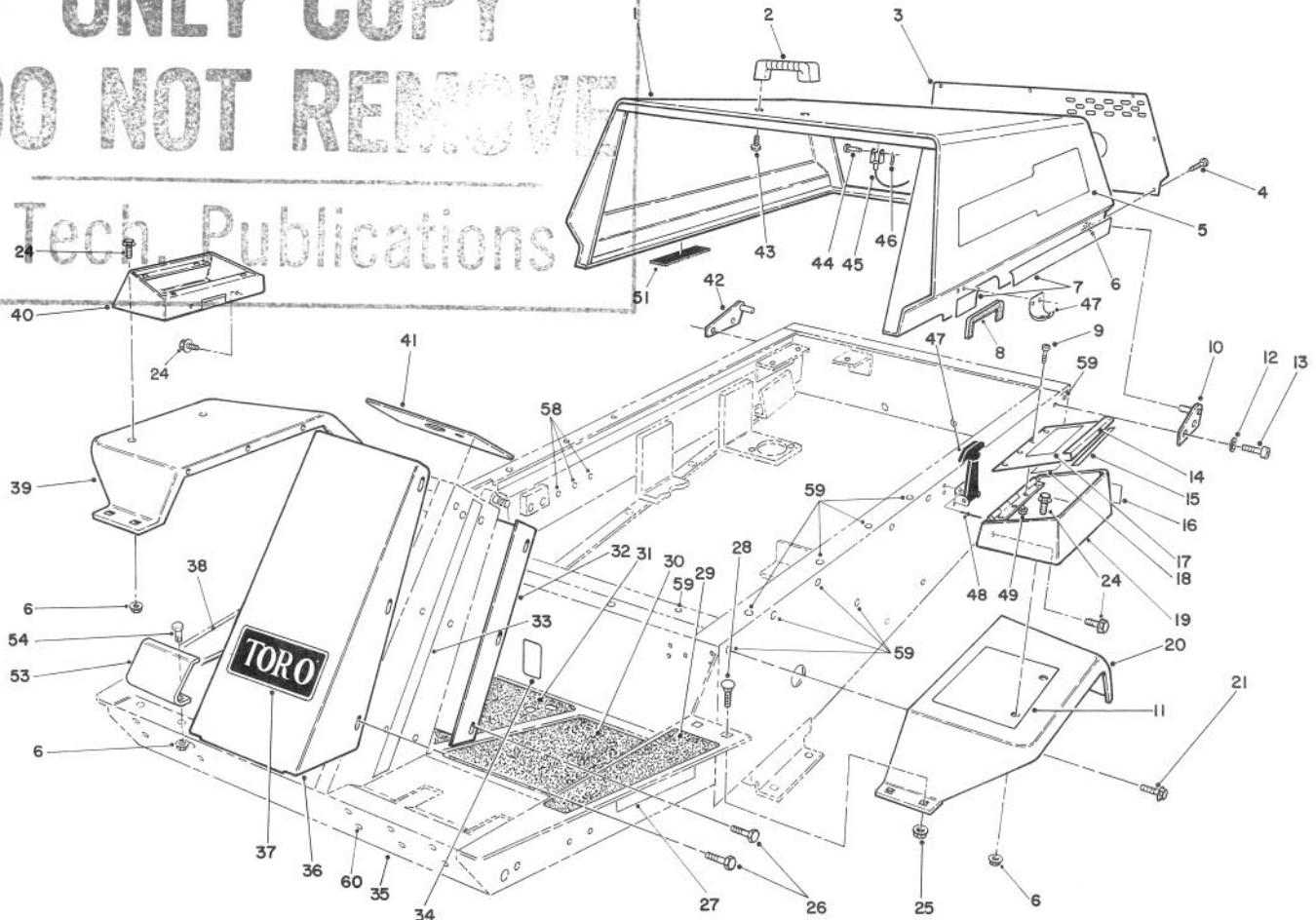


TORO®

MODEL NO. 30224-40001 & UP

**PARTS
CATALOG****GROUNDMASTER® 224
TRACTION UNIT****ONLY COPY
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Tech. Publications



T-0524B

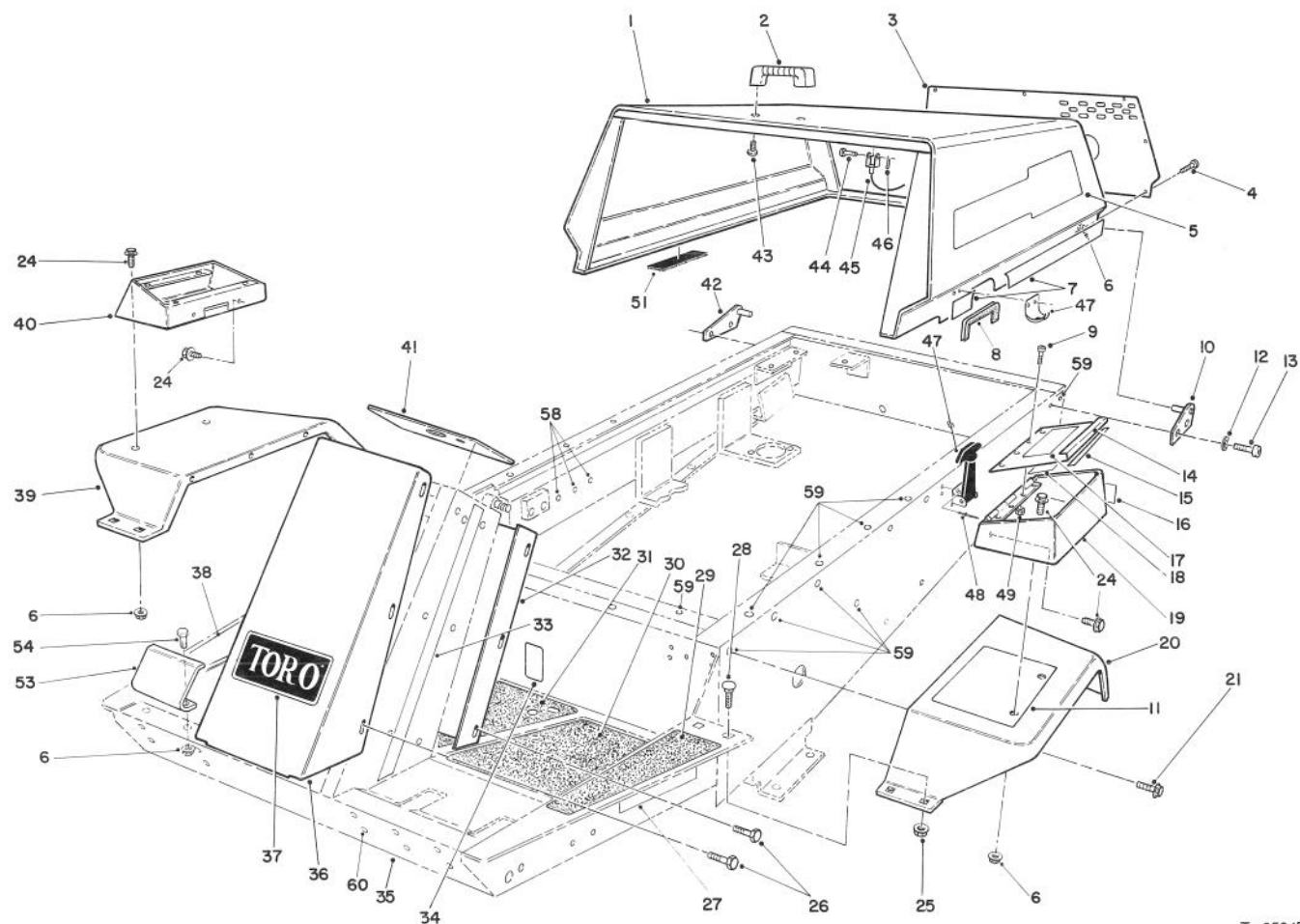
BODY ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	14-7149	Hood Assembly	1	16	27-7310	Decal - Over Fill Caution	1
2	65-5100	Handle - Hood	1	17	92-8798	Decal - Warning	1
3	63-7030	Screen - Hood	1	18	71-3520	Decal - Service	1
4	321-3	Screw - Cap Hex. Hd.	7	19	92-6501	Tool Box Assembly (Incl. Ref. #16)	1
5	71-3390	Decal - GM 224	2	20	63-7310	Fender L.H.	1
6	32128-33	Nut - Flange Hd.	13	21	3234-14	Screw - Flange Hd.	8
7	66-8680	Decal - Hood L.H.	1	24	3234-13	Screw - Flange Hd.	8
*	66-8670	Decal - Hood R.H.	1	25	32128-20	Nut - Flange	4
8	66-8110	Trim - Hood	1	26	46-6810	Screw - Cap Hex. Hd.	13
9	3290-359	Screw - Machine	4	27	67-1720	Decal - Caution	2
10	63-6900	Plate Hinge - L.H.	1	28	3230-23	Bolt - Carriage	4
11	76-4790	Pad - Rubber	1	29	66-3200	Tread - Foot Rest L.H.	1
12	3255-8	Washer - Lock	4	30	66-3210	Tread - Foot L.H.	1
13	3274-32	Screw - Hex. Hd. Socket	4	31	92-5540	Tread - Foot R.H.	1
14	66-3040	Cover - Tool Box	1	32	63-7320	Cover - Tower Rear	1
15	66-3050	Strip - Magnetic	1				

*Not Illustrated

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TPS

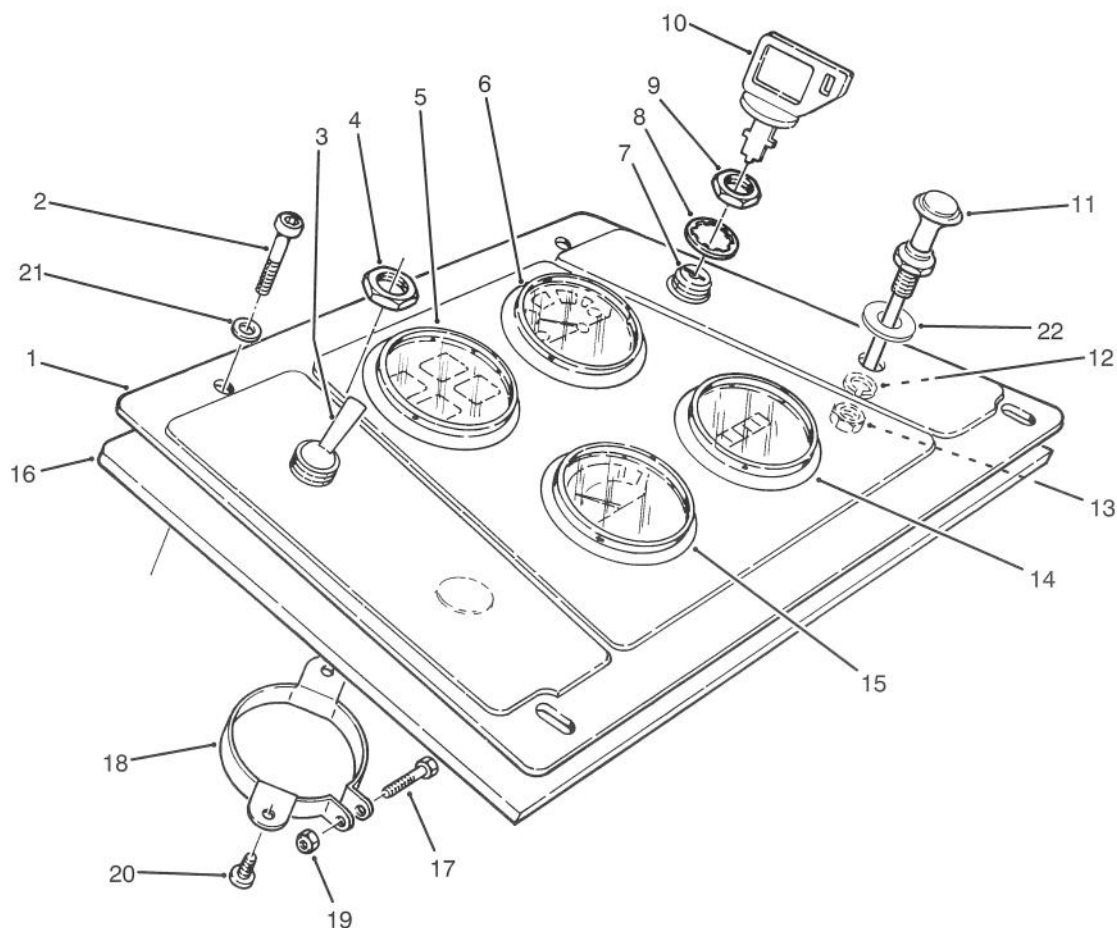


T-0524B

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	Assembly - Frame (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	Assy. - Latch, Flex. Draw	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

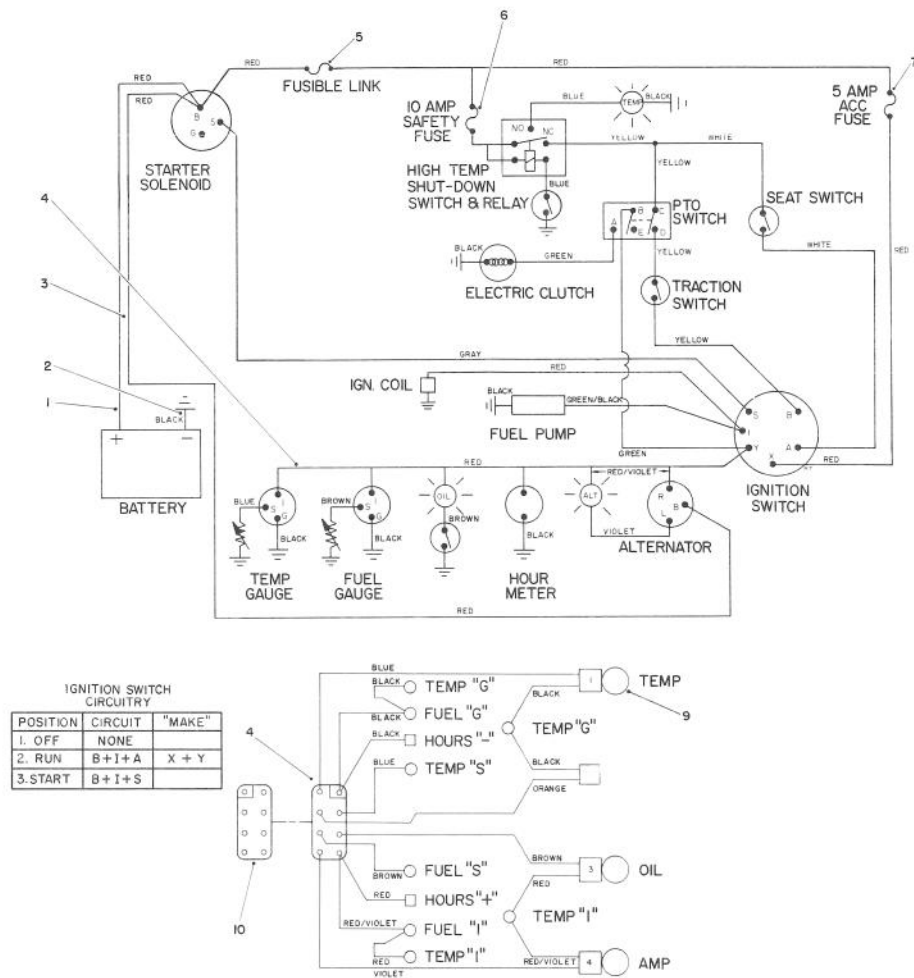


T-0841

CONTROL PANEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	71-3490	Panel - Control	1
2	3274-64	Screw - Socket Hd.	4
3	85-4980	PTO Switch Assembly (Incl. Ref. #4)	1
4	218-576	Nut - Hex.	1
5	66-2960	Cluster - Warning Light	1
6	66-2940	Gage - Fuel	1
7	27-2360	Ignition Switch Assembly (Incl. Ref. #8-10)	1
8	218-447	Washer - Lock	1
9	218-446	Nut - Hex.	1
10	63-8360	Key - Ignition	1

Ref. No.	Part No.	Description	No. Used
11	71-2890	Control - Choke	1
12	3253-21	Washer - Lock	1
13	3220-3	Nut - Jam	1
14	66-2950	Meter - Hour	1
15	63-7430	Gage - Temperature	1
16	85-7560	Plate - Control Panel	1
17	32105-1	Screw	1
18	69-4780	Clamp - Gauge	1
19	3296-12	Nut - Lock	1
20	32144-1	Screw - Hex. Hd.	2
21	3256-1	Washer - Flat	4
22	3256-24	Washer - Flat	1

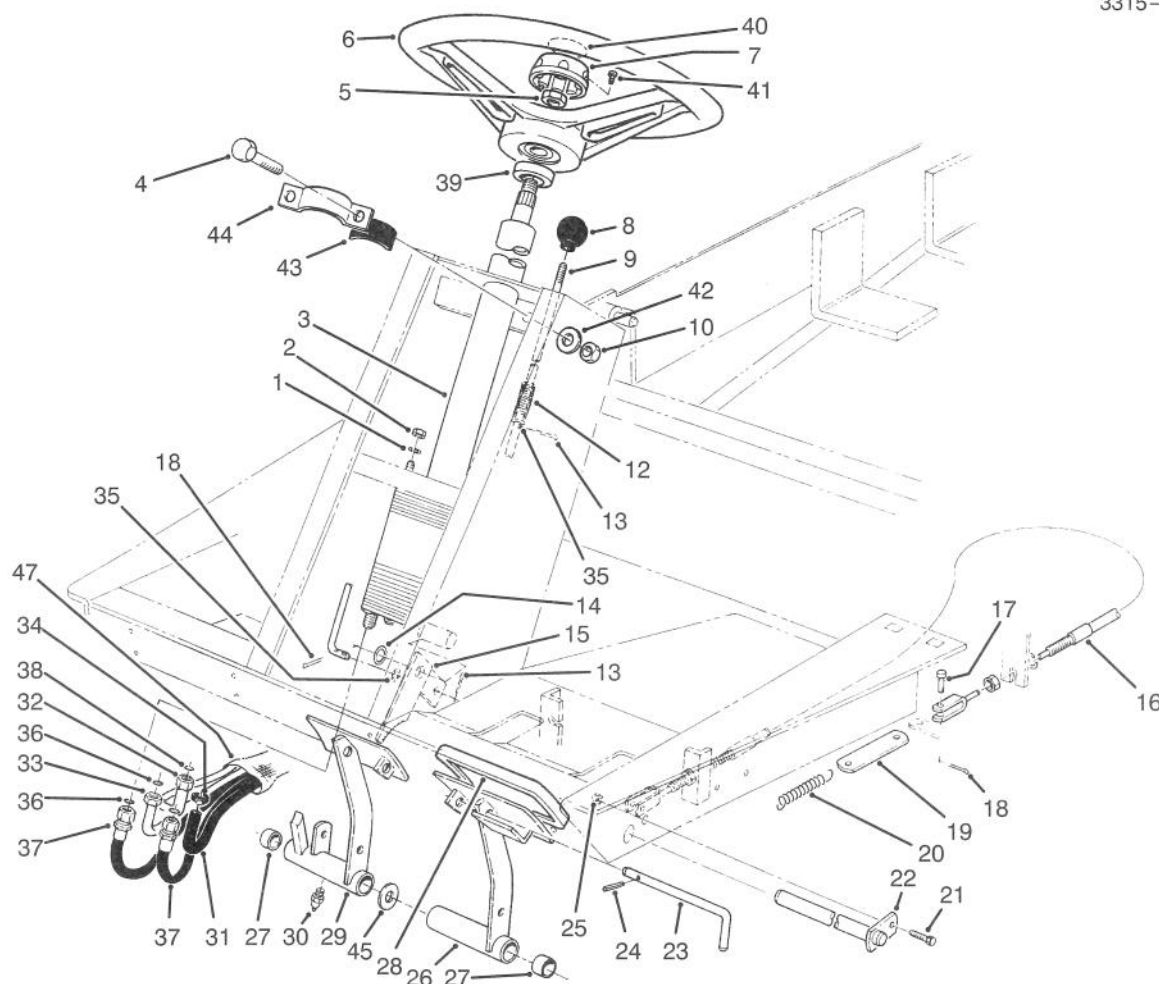


T-0843

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 (Incl. Ref. #5, 6 & 9)	1
4	66-8690	Lamp Harness (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	Assembly - Connector	1

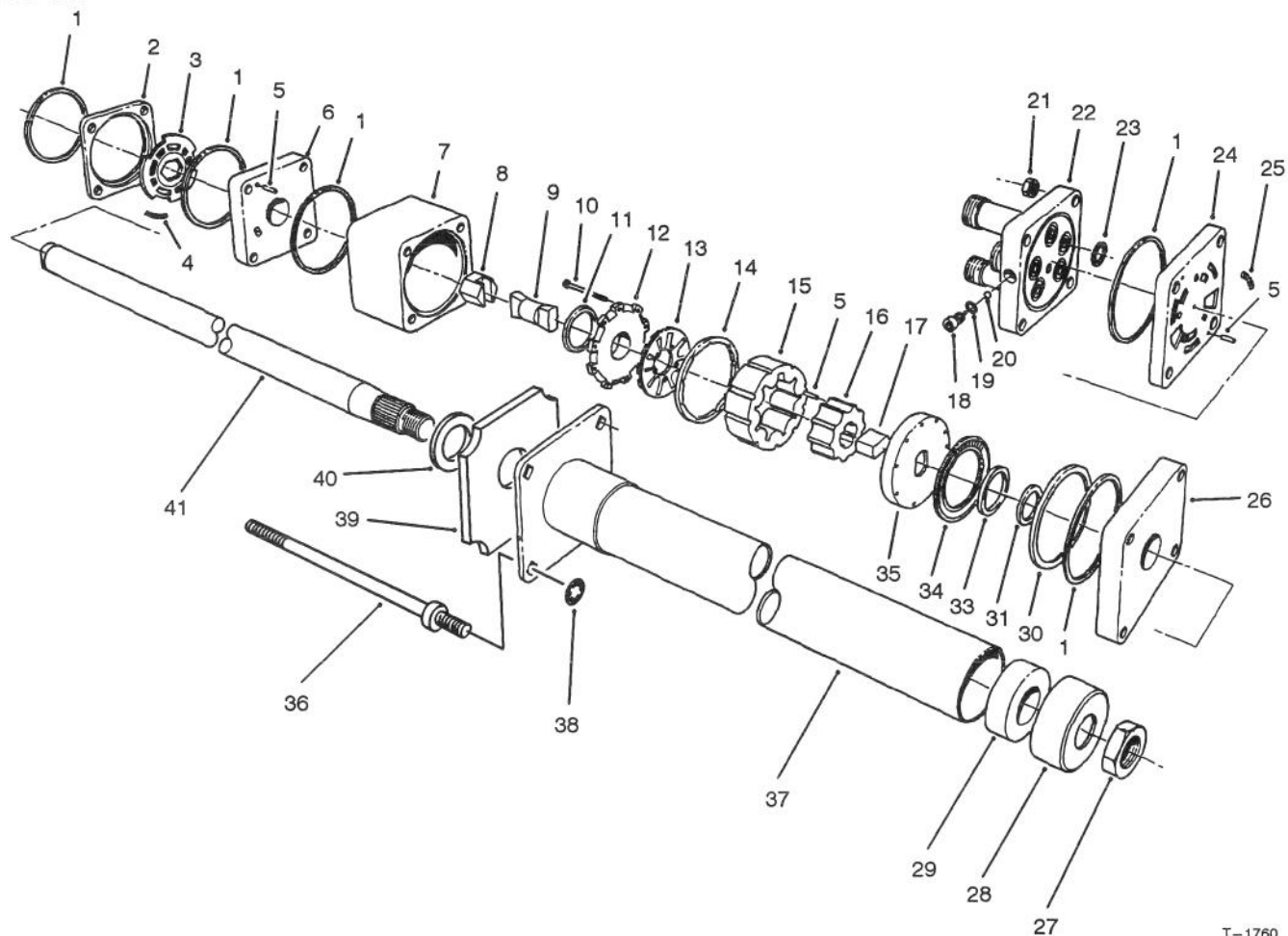


T-1247A

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



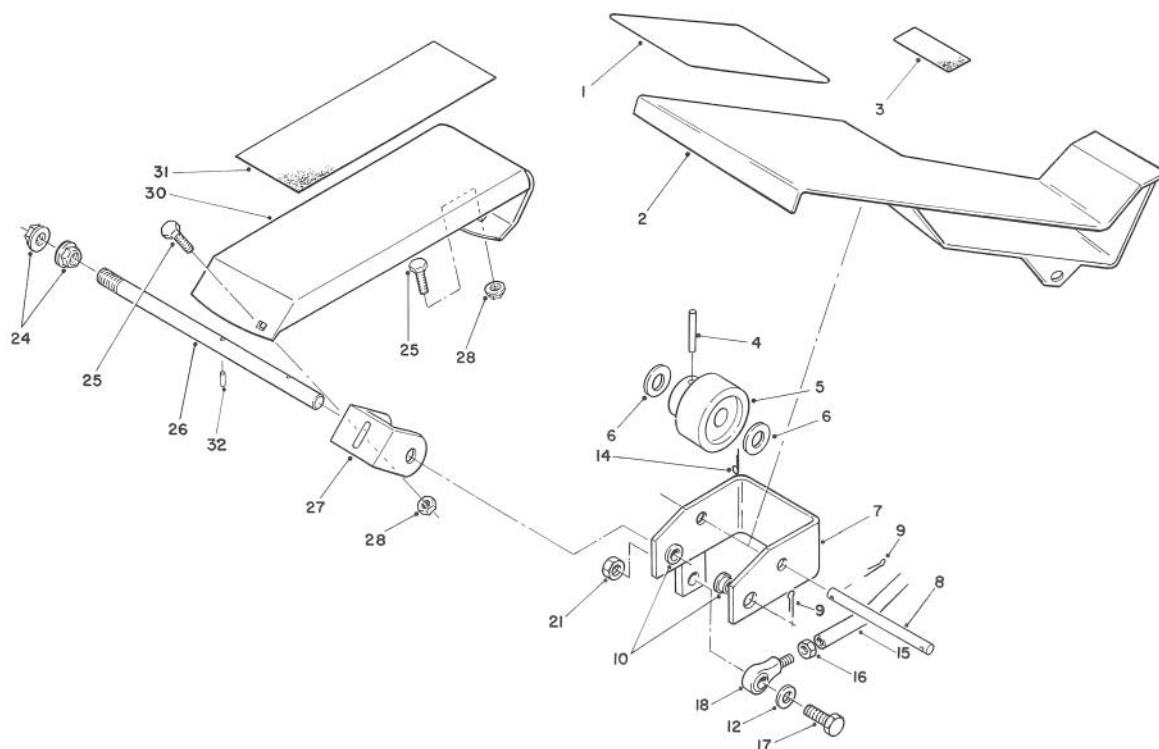
T-1760

STEERING VALVE ASSEMBLY NO. 92-7308

Ref. No.	Part No.	Description	No. Used
1		Ring - Seal	5
2		Ring - Valve	11
3		Plate - Valve	
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 - Bearing, Thrust	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	Kit - Spring (Incl. Ref. #4 & 25)	1
*	66-9980	Kit - Seal (Incl. Ref. #1, 11, 19, 23 & 33)	1
*	66-9990	Kit - Needle Roller (Incl. Ref. #5)	1
*	92-7314	Assembly - Column (Incl. Ref. #27-29 & 37-41)	1

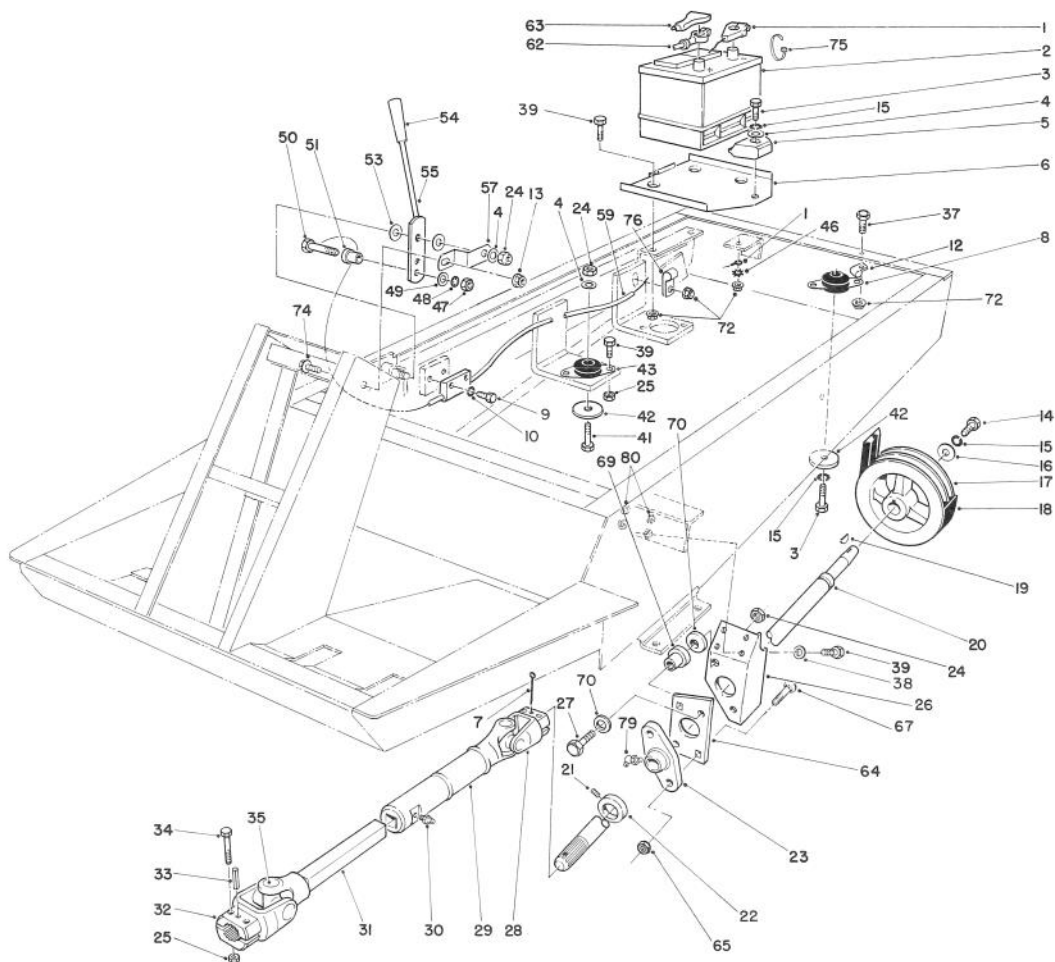
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T-1806

TRACTION PEDAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	92-5538	Pad - Traction Pedal Front	1	16	3220-3	Nut - Jam	1
2	92-5092	Pedal - Traction	1	17	323-29	Screw - Cap Hex. Hd.	1
3	92-5539	Pad - Traction Pedal Rear	1	18	2411-36	End - Rod	1
4	32121-6	Pin - Roll	1	21	3296-39	Nut - Lock	1
5	28-5220	Wheel - Friction	1	24	32128-56	Nut - Flange	2
6	5-7570	Washer	2	25	3230-2	Bolt - Carriage	2
7	92-8854	Bracket - Pivot	1	26	92-5534	Shaft - Traction Pedal	1
8	92-5537	Pin - Pedal, Pivot	1	27	92-5077	Bracket - Footrest	1
9	3272-10	Pin - Cotter	2	28	32128-44	Nut - Flange, Lock	2
10	256-156	Bushing - Flange	2	30	92-5514	Footrest	1
12	3256-24	Washer - Flat	1	31	92-5750	Pad - Footrest	1
14	3272-6	Pin - Cotter	1	32	32121-50	Pin - Roll	1
15	63-6410	Rod - Pump Control	1				

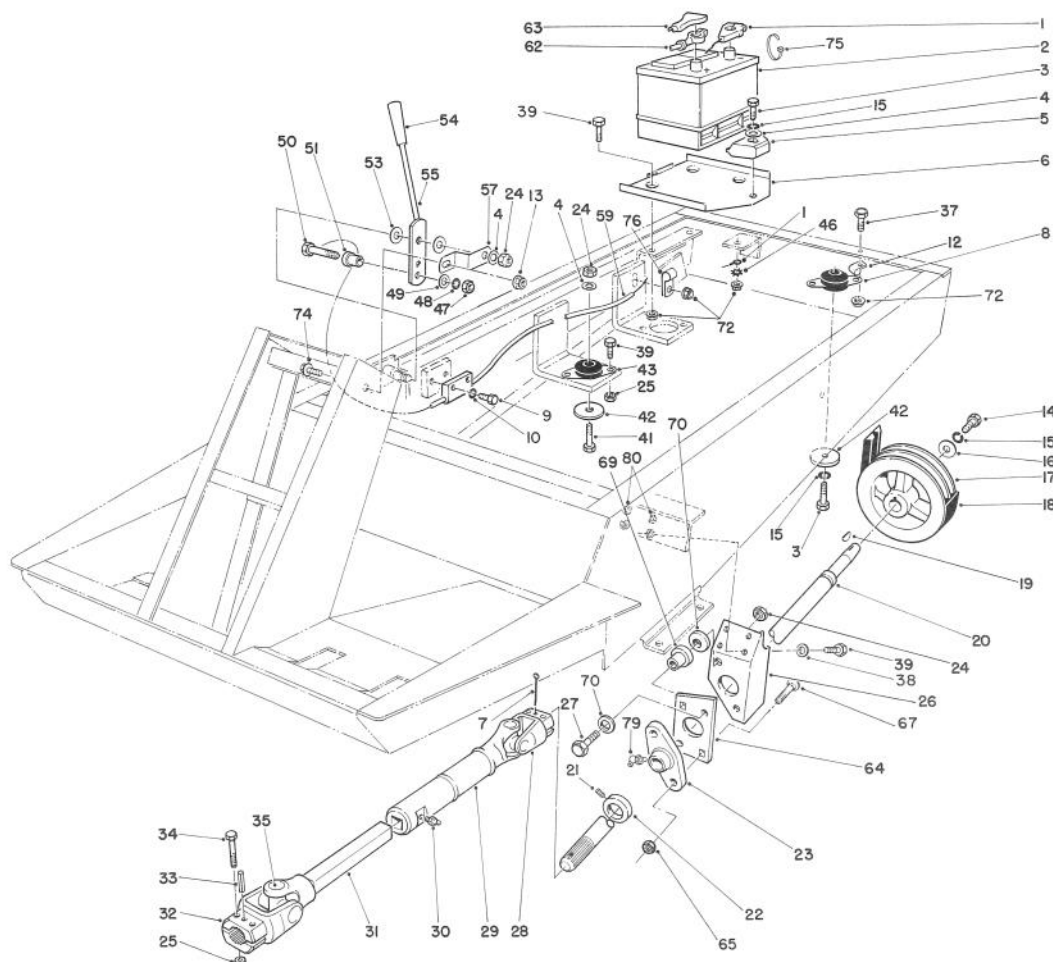


T-1072B

POWER TAKE OFF, BATTERY, AND ENGINE MOUNT ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	63-7340	Wire - Ground	1	24	3296-39	Nut - Lock	7
†2		Battery		25	3296-29	Nut - Lock	12
		Type 26 SMF-5	1	26	92-8751	Bracket - PTO Bearing	1
3	323-9	Screw - Cap Hex. Hd.	2	27	323-10	Screw - Cap Hex. Hd.	2
4	3256-24	Washer - Flat	4	28	54-9090	Yoke - End	1
5	66-2490	Clamp - Battery Retainer	1	29	54-9170	Tube - Slip Yoke	1
6	66-2330	Base - Battery	1	30	302-58	Fitting - Grease	1
7	3272-15	Pin - Cotter	1	31	54-9050	Shaft - Slip Yoke	1
8	63-7141	Mount - Shock (Red)	1	32	54-9040	Yoke - End	1
9	321-4	Screw - Cap Hex. Hd.	2	33	32121-34	Pin - Roll	1
10	3253-3	Washer - Lock	2	34	322-9	Screw - Cap Hex. Hd.	4
12	2412-104	R-Clamp	1	35	54-9180	Kit - Universal Joint	2
13	32128-33	Nut - Flange	1	37	322-3	Screw - Cap Hex. Hd.	1
14	323-18	Screw - Cap Hex. Hd.	1	38	3253-4	Washer - Lock	4
15	3253-21	Washer - Lock	3	39	322-5	Screw - Cap Hex. Hd.	15
16	29-4730	Washer - PTO	1	41	323-11	Screw - Cap Hex. Hd.	3
17	43-5320	Pulley - PTO	1	42	63-7400	Washer - Rebound	4
18	63-6240	Belt - PTO	1	43	63-7140	Mount - Shock (Blue)	3
19	3257-5	Key - Woodruff	1	46	3255-8	Washer - Lock, Ext. Tooth	1
20	92-8855	Shaft - PTO	1	47		Nut - Hex.	1
21	3246-1	Screw - Set	1	48		Washer - Lock, Int. Tooth	1
22	251-77	Collar - Locking	1	49		Washer - Flat	1
23	92-8799	Bearing - PTO Shaft (Incl. Ref. #21 & 22)	1	50		Screw - Special	1
				51		Sleeve - Connector	1

†Obtain Locally

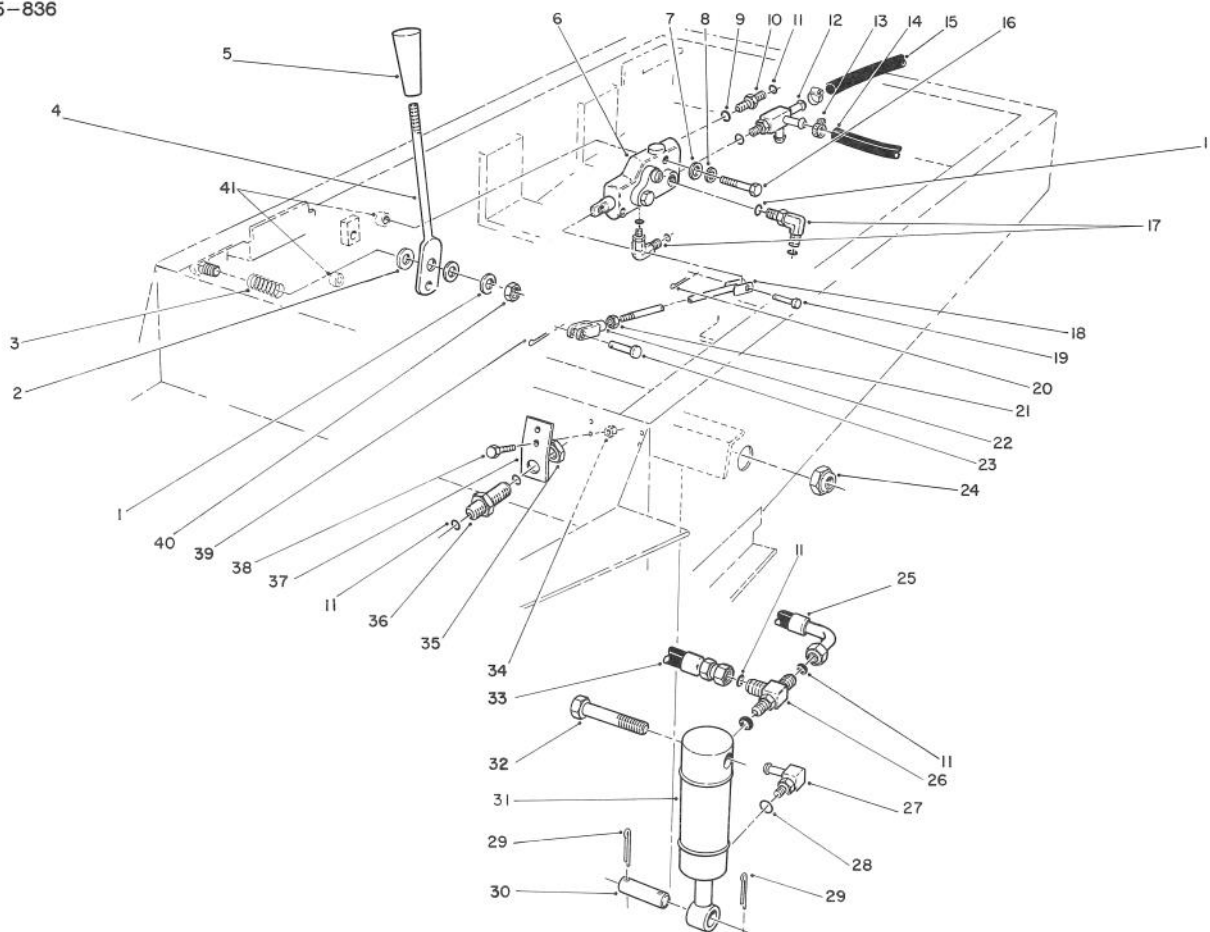


T-1072B

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

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
53	66-2920	Washer - Friction	2	70	63-8410	Washer - Flat	4
54	233-39	Knob	1	72	32128-20	Nut - Flange	5
55	71-3500	Lever - Throttle	1	74	3234-13	Screw - Flange	2
57	66-2670	Bracket - Throttle	1	75	3290-378	Tie - Cable	1
59	76-1000	Cable - Throttle	1	76	92-5753	R-Clamp	1
62	43-4031	Cable - Battery Pos.	1	79	302-40	Fitting - Grease	1
63	28-1280	Boot - Pos. Cable	1	80	32148-8	Nut - Clinch	4
64	84-7580	Plate - Bushing Support	1	*	63-6760	Swivel - Throttle Cable (Incl. Ref. #47-51)	1
65	32149-1	Nut - Lock	2	*	54-7950	Drive Shaft Assembly (Incl. Ref. #28-32 & 35)	1
67	3230-4	Bolt - Carriage	2				
69	63-9750	Mount	2				

*Not Illustrated

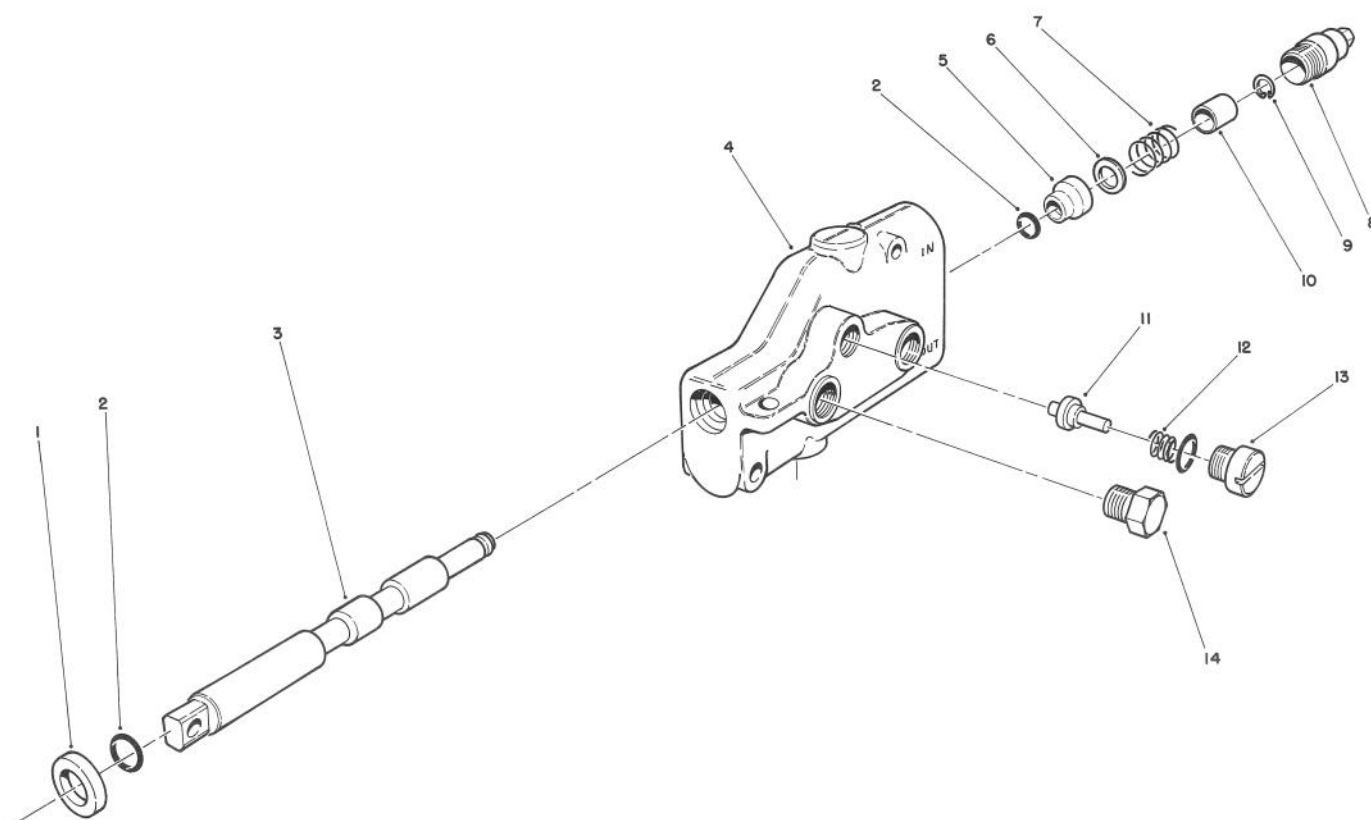


T-0531

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	Assembly - Hose, Hydraulic	1
3	70-7530	Spring - Compression	1	26	340-86	Fitting - Tee (Incl. Ref. #9 & 11)(Used On Cap End of Left Cylind.)	1
4	66-2720	Lever - Lift	1	*	340-77	Fitting - 90° Elbow (Incl. Ref. #9 & 11)(Used On Cap End of Right Cyl.)	1
5	233-39	Knob	1	27	304-99	Fitting - 90° Elbow (Incl. Ref. #28)	2
6	63-7960	Valve - Lift	1	28	237-22	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 - Straight (Incl. Ref. #9 & 11)	1	32	3216-3	Screw - Cap Hex. Hd.	2
11	237-22	Seal - O-Ring	7	33	66-8640	Assembly - Hose, Hydraulic	1
12	66-3130	Fitting - 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 - 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 - 90° Elbow (Incl. Ref. #9 & 11)	2	39	3272-31	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



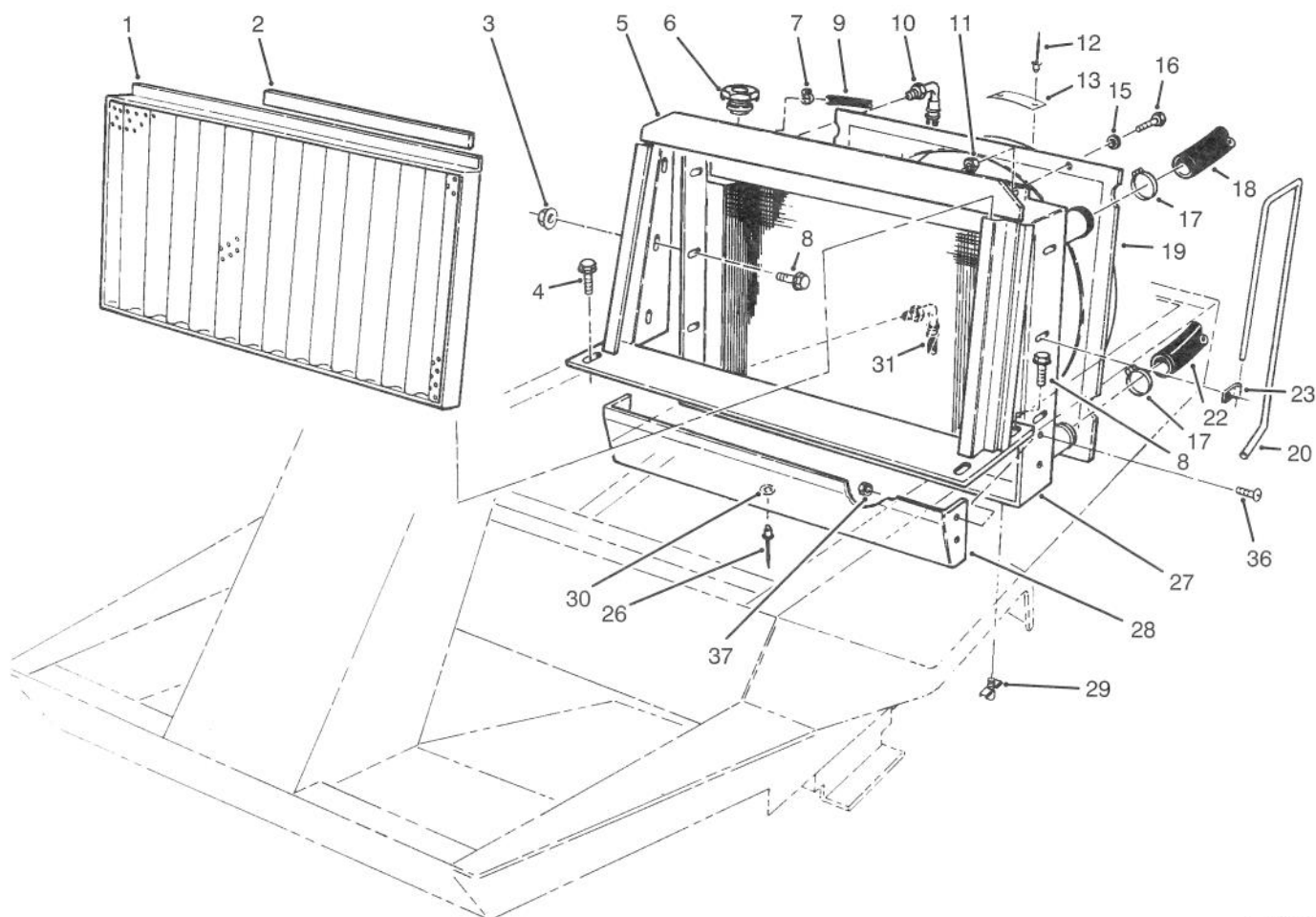
T-0532

LIFT VALVE ASSEMBLY NO. 63-7960

Ref. No.	Part No.	Description	No. Used
1	58-6320	Wiper - Seal	1
2	58-6450	O-Ring	2
3		Spool	1
4		Body	1
5	58-6400	Bushing	1
6	65-2770	Washer	1
7	65-2950	Spring	1
8	58-6420	Assembly - Cap	1

Ref. No.	Part No.	Description	No. Used
9	58-6460	Ring - Retaining	1
10	65-2740	Spacer	1
11	65-2750	Plunger	1
12	65-2760	Spring	1
13	65-2930	Assembly - Plug	1
14	353-508	Assembly - Plug	1
*	63-7960	Assembly - Lift Valve (Incl. Ref. #3 & 4)	1

*Not Illustrated

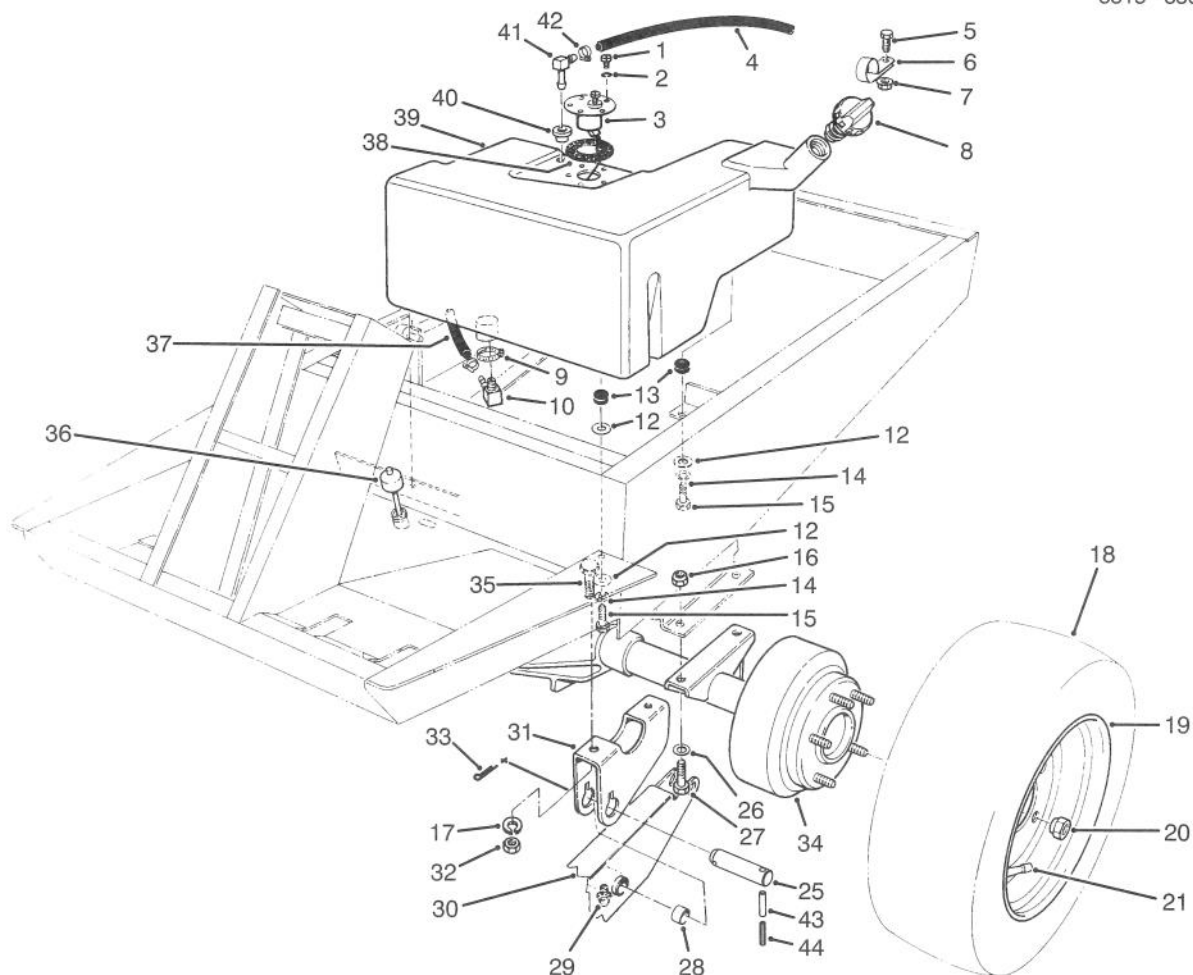


T-0842B

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
16	2412-34	Clamp - Hose	4
17	63-6010	Hose - Upper	1
18	63-6510	Shroud - Fan	1
19	71-1540	Tube - Vent	1
20	63-6020	Hose - Lower	1
21	2412-103	R-Clamp	2
22	3269-13	Rivet	3
23	63-6150	Radiator Assembly	1
24	63-6440	Shield - Radiator	1
25	304-46	Drain Cock	1
26	3269-10	Washer - Flat	3
27	66-8500	Hose Assembly	1
28	3249-3	Screw - Round Hd.	2
29	3217-29	Nut - Hex.	2

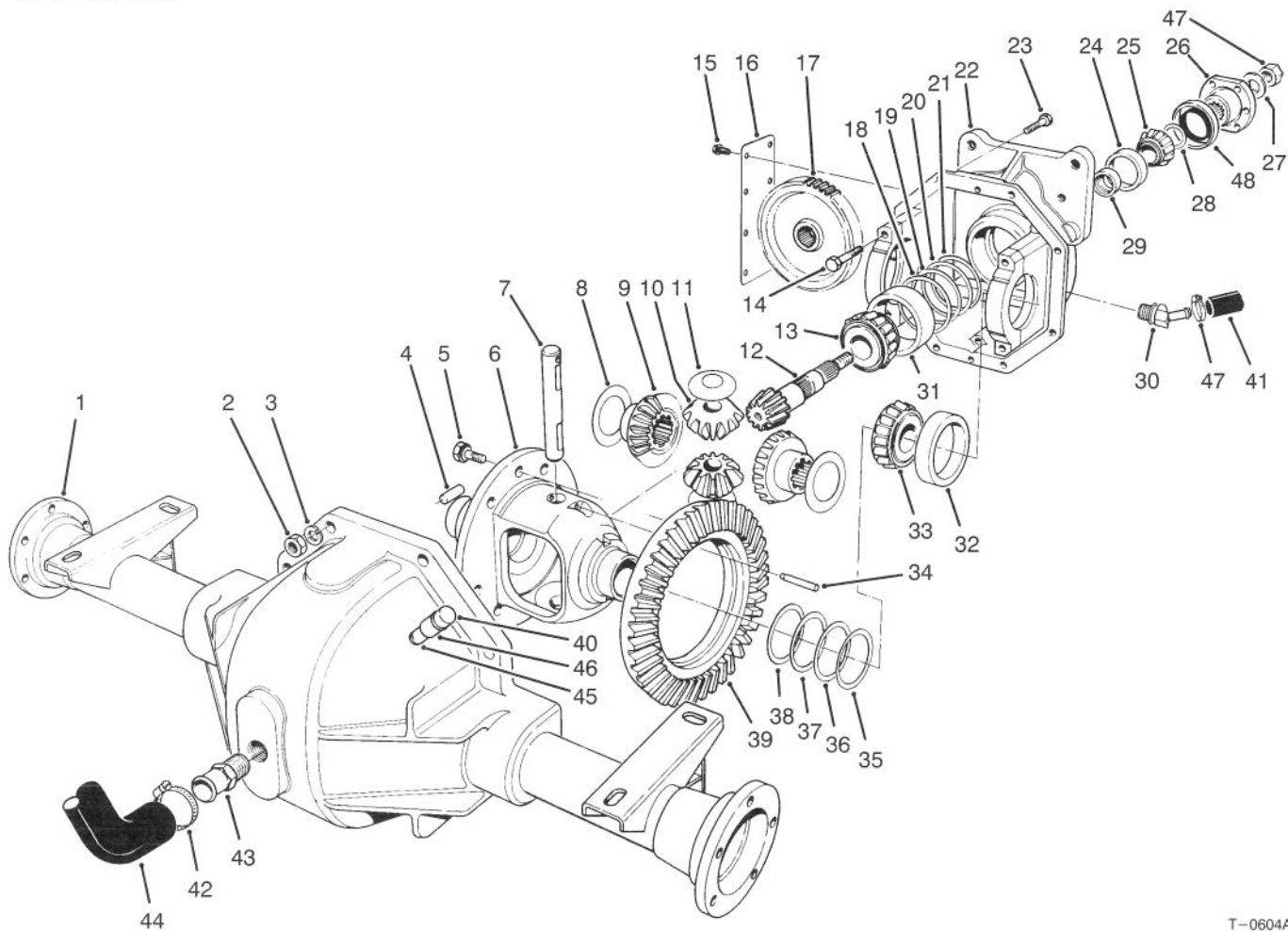


T-0840A

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	26	324-5	Screw - Cap Hex. Hd.	4
2	3253-15	Washer - Lock	5	27	3256-25	Washer - Flat	4
3	63-7640	Sender - Fuel	1	28	256-101	Bushing	4
4	63-7630	Hose	1	29	302-62	Fitting - Grease	2
5	322-5	Screw - Cap Hex. Hd.	1	30	76-3090	Lift Arm - L.H.	1
6	2412-96	R-Clamp	1	*	76-3080	Lift Arm - R.H.	
7	32128-20	Nut - Lock	1			(Incl. Ref. #28 & 29)	1
8	70-8630	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
12	3256-67	Washer - Flat	3	34	86-9640	Axle Assembly	1
13	237-136	Grommet	3	35	3273-38	Screw - Socket Hd.	4
14	3253-3	Washer - Lock	3	36	66-3060	Dipstick - Differential	1
15	321-5	Screw - Cap Hex. Hd.	3	37	71-3380	Hose - Fuel	1
16	3296-48	Nut - Lock	4	38	62-7650	Gasket	1
17	3253-8	Washer - Lock	4	39	92-8874	Tank - Fuel	1
18	231-101	Tire	2	40	46-6560	Bushing	1
*	231-95	Tire - 23" x 10.5" x 12" (Optional)	2	41	46-6550	Connector - 90°	1
19	217-117	Rim	2	42	2412-108	Clamp	4
*	217-116	Rim - 23" x 10.5" x 12" (Optional)	2	43	32121-49	Pin - Spring	2
20	23-7270	Nut - Lug	10	44	32121-71	Pin - Spring	2
21	232-27	Valve Stem w/Cap	2	*	62-7020	Wheel & Tire Assembly (23" x 10.5" x 12") (Optional)	2
25	92-9788	Pivot Pin Assembly (Incl. Ref. #43 & 44)	2				

*Not Illustrated



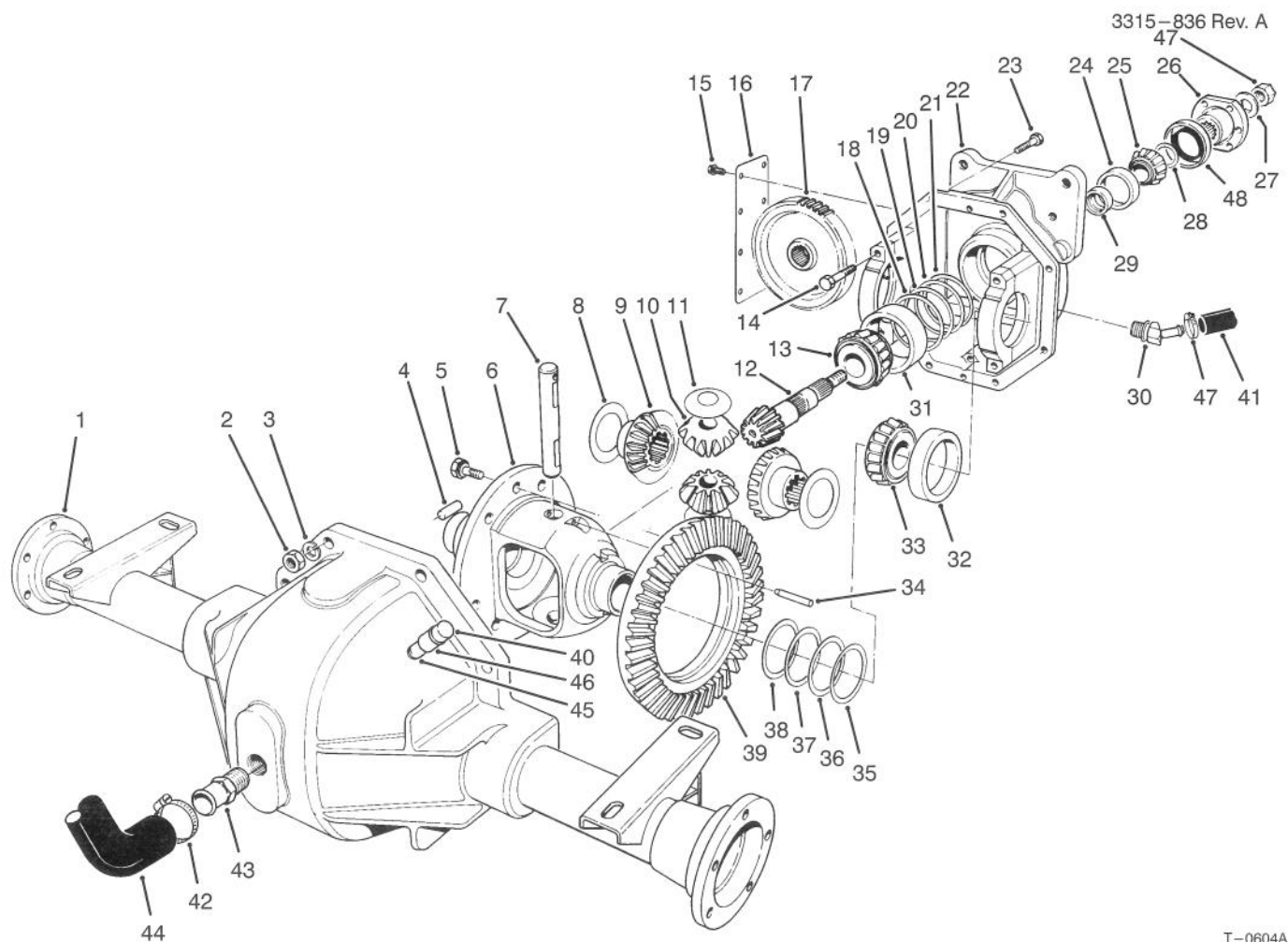
T-0604A

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

*Not Illustrated

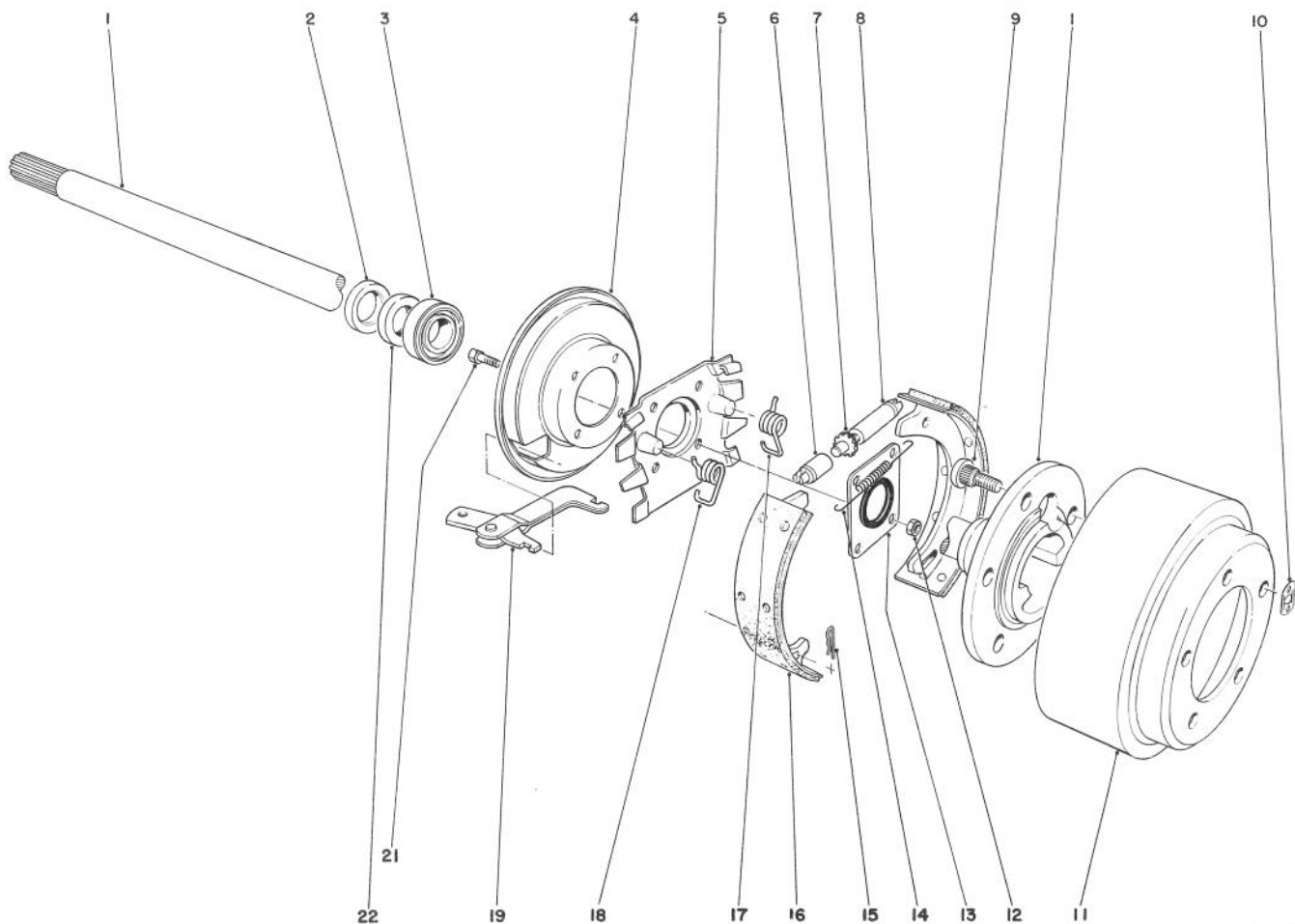


T-0604A

DIFFERENTIAL ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
*28	46-2225	Shim Front Pinion Bearing (.055)	A/R
*	46-2226	Shim Front Pinion Bearing (.057)	A/R
*	46-2410	Shim Front Pinion Bearing (.062)	A/R
	46-2411	Shim Front Pinion Bearing (.064)	A/R
*	46-2412	Shim Front Pinion Bearing (.066)	A/R
*	46-2413	Shim Front Pinion Bearing (.068)	A/R
*	46-2414	Shim Front Pinion Bearing (.070)	A/R
*	46-2415	Shim Front Pinion Bearing (.072)	A/R
*	46-2416	Shim Front Pinion Bearing (.074)	A/R
*	46-2420	Shim Front Pinion Bearing (.076)	A/R
	46-2421	Shim Front Pinion Bearing (.078)	A/R
*	46-2422	Shim Front Pinion Bearing (.080)	A/R
*	46-2423	Shim Front Pinion Bearing (.082)	A/R
*28	46-2424	Shim Front Pinion Bearing (.084)	A/R

Ref. No.	Part No.	Description	No. Used
*	46-2425	Shim Front Pinion Bearing (.086)	A/R
*	46-2426	Shim Front Pinion Bearing (.088)	A/R
29	21-8020	Spacer - Frt. Pinion Bearing	1
30	92-5088	Fitting - 45°	1
31	43-6750	Cup - Tapered, Bearing	1
32	254-66	Cup - Tapered, Bearing	2
33	254-65	Cone - Tapered, Bearing	2
34	32121-15	Pin - Roll	1
35	21-8090	Diff. Adjust. Shim. .003	A/R
36	21-8100	Diff. Adjust. Shim. .005	A/R
37	21-8110	Diff. Adjust. Shim. .010	A/R
38	21-8120	Diff. Adjust. Shim. .030	A/R
39		Gear - Ring	1
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



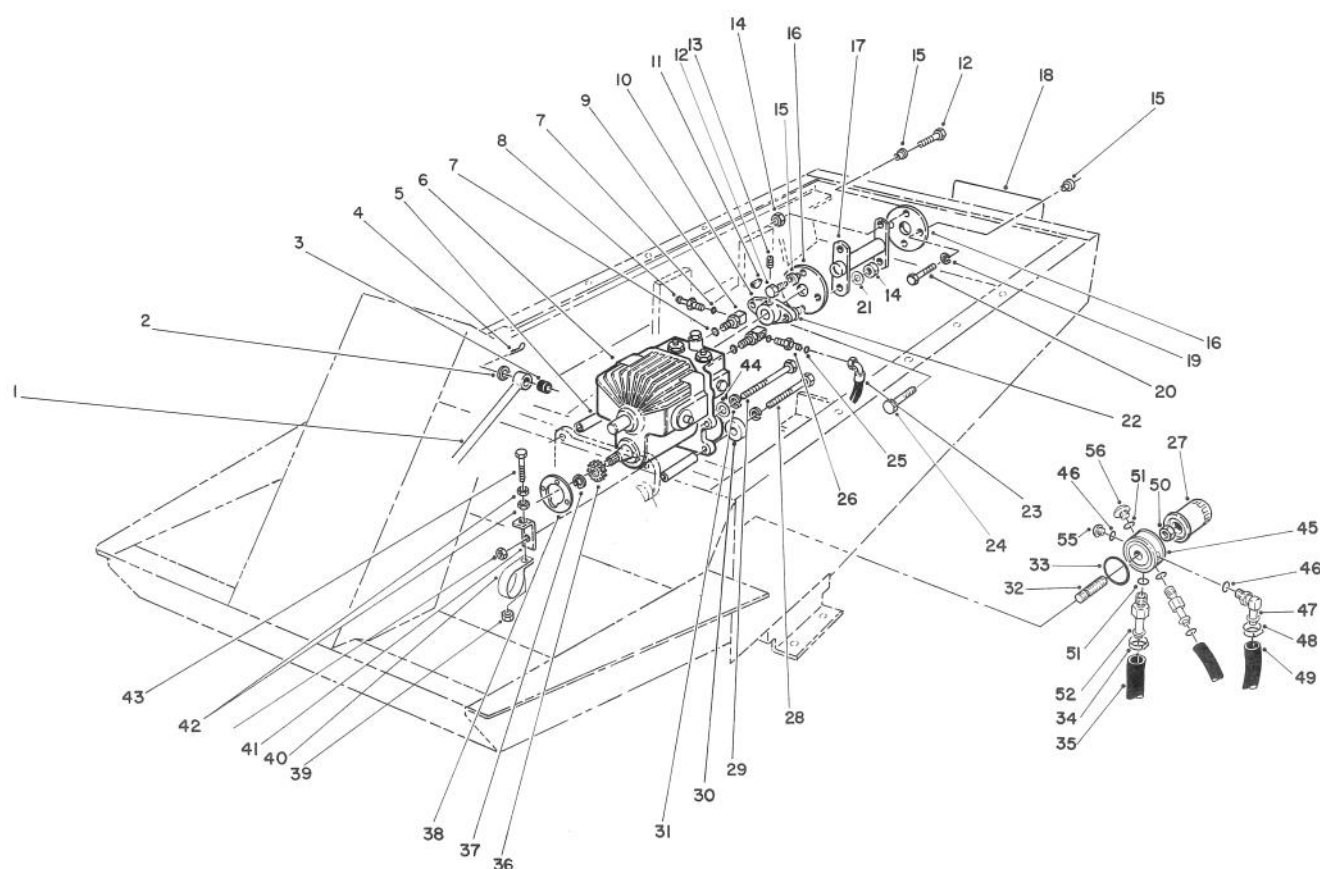
T-0535A

BRAKE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	27-6861	Shaft - Axle, Flanged L.H.	1
*	27-6851	Shaft - Axle, Flanged 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

Ref. No.	Part No.	Description	No. Used
12	43-6800	Nut - Lock, Flange Hd.	8
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
21	28-0660	Screw - Cap Hex. Hd.	8
22	24-8840	Ring - Wheel Bearing	2
*	92-8775	Kit - Gasket, Liquid	1

*Not Illustrated

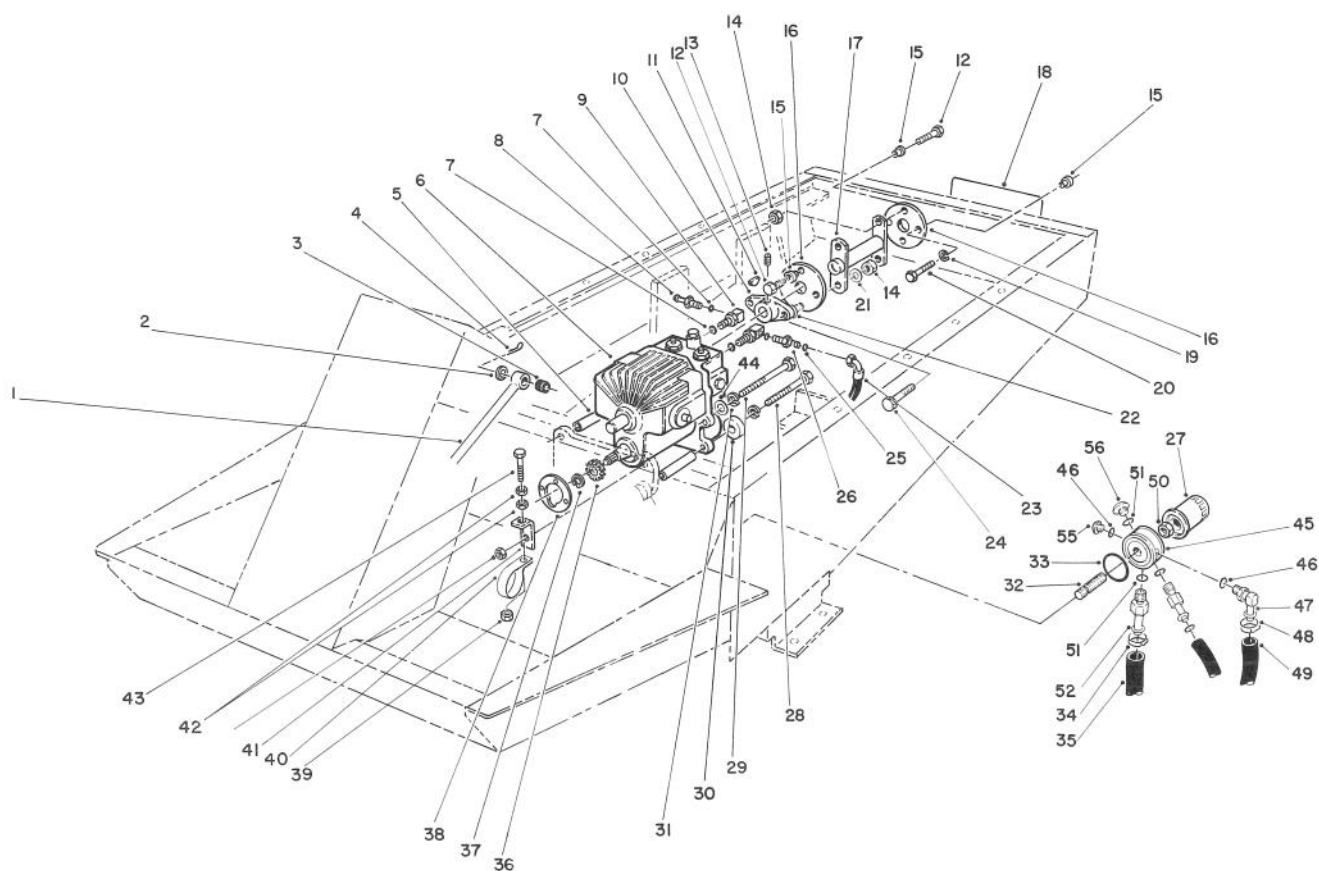


T-0605B

TRANSMISSION & DRIVE COUPLING ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	63-6410	Tube - Traction Control	1
2	3256-26	Washer - Flat	1
3	23-2270	Bushing - Rubber	1
4	3272-10	Pin - Cotter	1
5	27-3680	Spacer - Mounting	4
6	92-5513	Transmission	1
7	237-42	O-Ring	4
8	353-979	Hose Barb	1
9	66-3110	Hyd. Fitting	2
10	27-4370	Hub - Pump	1
11	3257-5	Key - Woodruff	1
12	3210-5	Screw - Cap Hex. Hd.	4
13	3241-6	Screw - Set	2
14	32152-5	Nut - Lock	6
15	27-6600	Spacer - Rubber	6
16	44-2230	Coupling - Rubber	2
17	63-6610	Drive Shaft	1
18	62-7400	Decal - Toro	1
19	42-9850	Washer - Lock	2
20	48-9460	Screw - Cap Hex. Hd.	2
21	3256-71	Washer - Flat	2
22	27-6590	Spacer	2
23	66-8490	Hose Assembly	1
24	3210-8	Screw - Cap Hex. Hd.	2
25	237-22	O-Ring	1

Ref. No.	Part No.	Description	No. Used
26	82-8530	Fitting	1
27	23-2300	Oil Filter	1
28	323-39	Screw - Cap Hex. Hd.	3
29	27-9620	Screw - Cap Hex. Hd.	1
30	5-0652	Spacer	1
31	3253-21	Washer - Lock	4
32	92-5085	Union Filter	1
33	92-5087	Seal - Adapter, Filter	1
34	2412-108	Hose Clamp	4
35	92-5082	Hose	2
36	86-7220	Gear - Spur	1
37	32120-72	Ring - Retaining	1
38	27-3690	Gasket - Transmission	1
39	3296-39	Nut - Lock	2
40	2412-4	R-Clamp	1
41	63-7170	Anchor - Transmission	1
42	3218-3	Nut - Jam	2
43	67-1900	Screw - Cap Hex. Hd.	1
44	3256-24	Washer - Flat	1
45	92-5076	Adapter - Filter	1
46	237-79	O-Ring	2
47	92-5086	Fitting - Hydraulic 45° (Incl. Ref. #46)	1
48	2412-119	Clamp - Hose	1
49	92-5083	Hose - Hydraulic	1

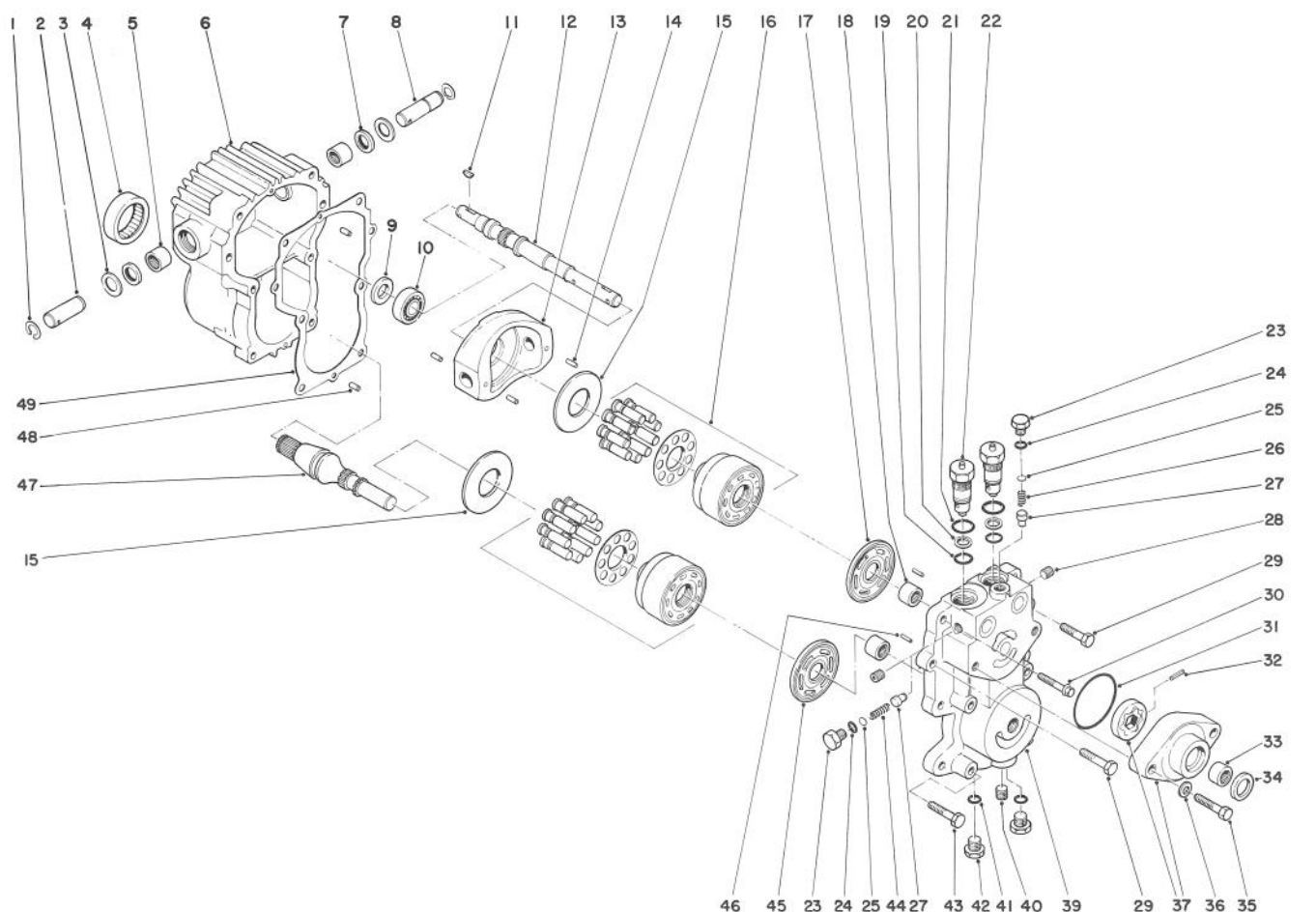


T-0605B

TRANSMISSION & DRIVE COUPLING ASSEMBLY (Cont.)

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

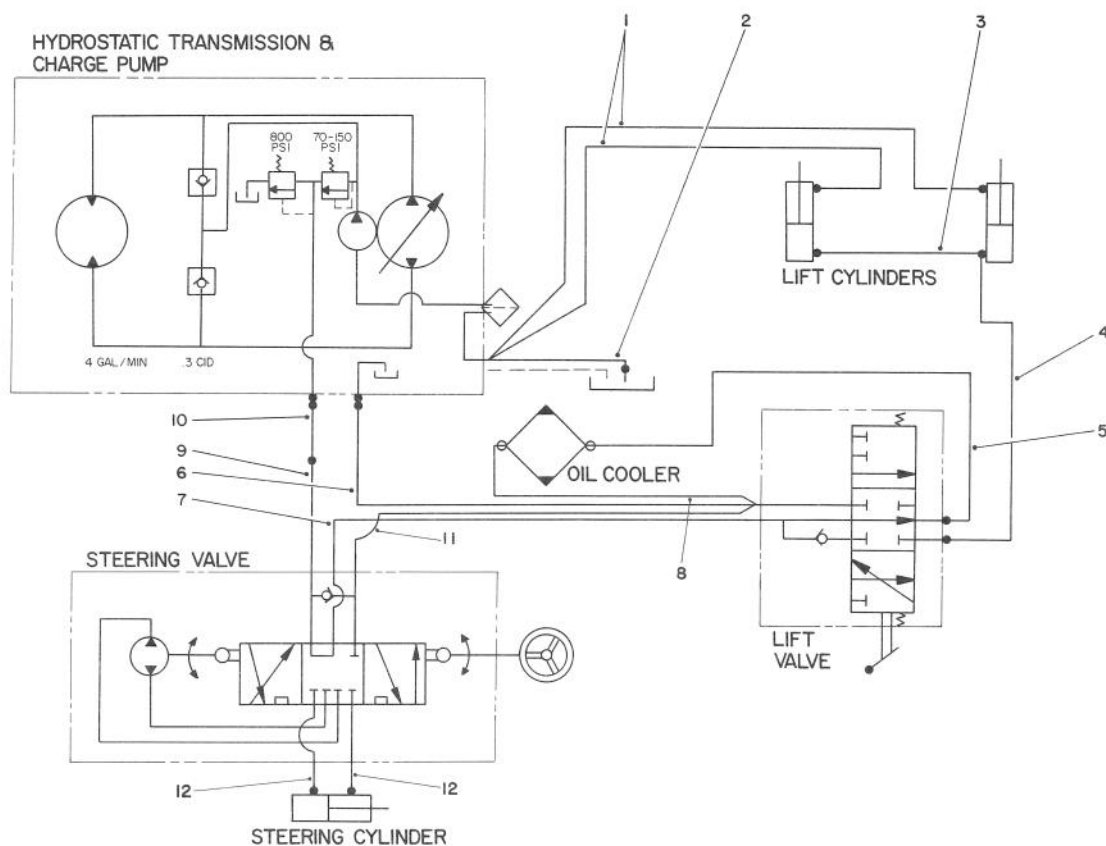
Ref. No.	Part No.	Description	No. Used
55	353-988	Plug - Hydraulic (Incl. Ref. #46)	1
56	353-990	Plug - Hydraulic (Incl. Ref. #51)	1



T-0536A

TRANSMISSION ASSEMBLY NO. 92-5513

Ref. No.	Part No.	Description	No. Used
1	32151-46	Ring - Retaining	2
2	25-2500	Shaft - Trunnion	1
3	25-2510	Washer	2
4	28-3300	Bearing - Roller	1
5	28-3310	Bearing - Needle	2
6	92-5709	Housing	1
7	25-3210	Lip Seal	2
8	28-3670	Shaft - Trunnion	1
9	28-3660	Lip Seal	1
10	28-3650	Bearing - Ball	1
11	3257-5	Key - Woodruff	2
12	28-3640	Shaft - Pump	1
13	49-7820	Variable Swashplate	1
14	32121-91	Pin	3
15	25-2380	Plate - Thrust	2
16	48-1800	Kit - Cylinder Block	2
17	46-7320	Plate - Pump Valve	1
18	25-3300	Bearing - Needle	2
19	28-3590	O-Ring	2
20	28-3580	Ring - Backup	2
21	28-3570	O-Ring	2
22	49-7830	Assembly - Check Valve (Incl. Ref. #19-21)	2
23	25-2460	Hex Hd. Plug	2
24	28-3400	O-Ring	2
25	25-2470	Shim Pack	A/R
26	46-7310	Relief Valve Spring Imp.	1
27	28-3420	Relief Valve Cone Chg.	2
28	285-17	Plug - Pipe	4
29	323-8	Screw - Cap Hex. Hd.	2
30	28-3530	Screw - Cap Hex. Hd.	2
31	28-3520	O-Ring	1
32	38-2680	Pin	1
33	28-3480	Bearing - Needle	1
34	28-3470	Lip Seal	1
35	324-23	Screw - Cap Hex. Hd.	2
36	28-3450	Washer - Flat	2
37	38-2670	Kit - Charge Pump (Incl. Ref. #31-34)	1
39	92-5716	Center Section	1
40	92-5717	Plug - Pipe	1
41		O-Ring	2
42	28-3440	Threaded Plug (Incl. Ref. #41)	2
43	323-10	Screw - Cap Hex. Hd.	4
44	25-2480	Relief Valve Spring Chg.	1
45	28-3380	Plate - Motor Valve	1
46	25-2430	Pin	2
47	49-8200	Shaft - Motor	1
48	28-3350	Pin	2
49	28-3340	Gasket	1

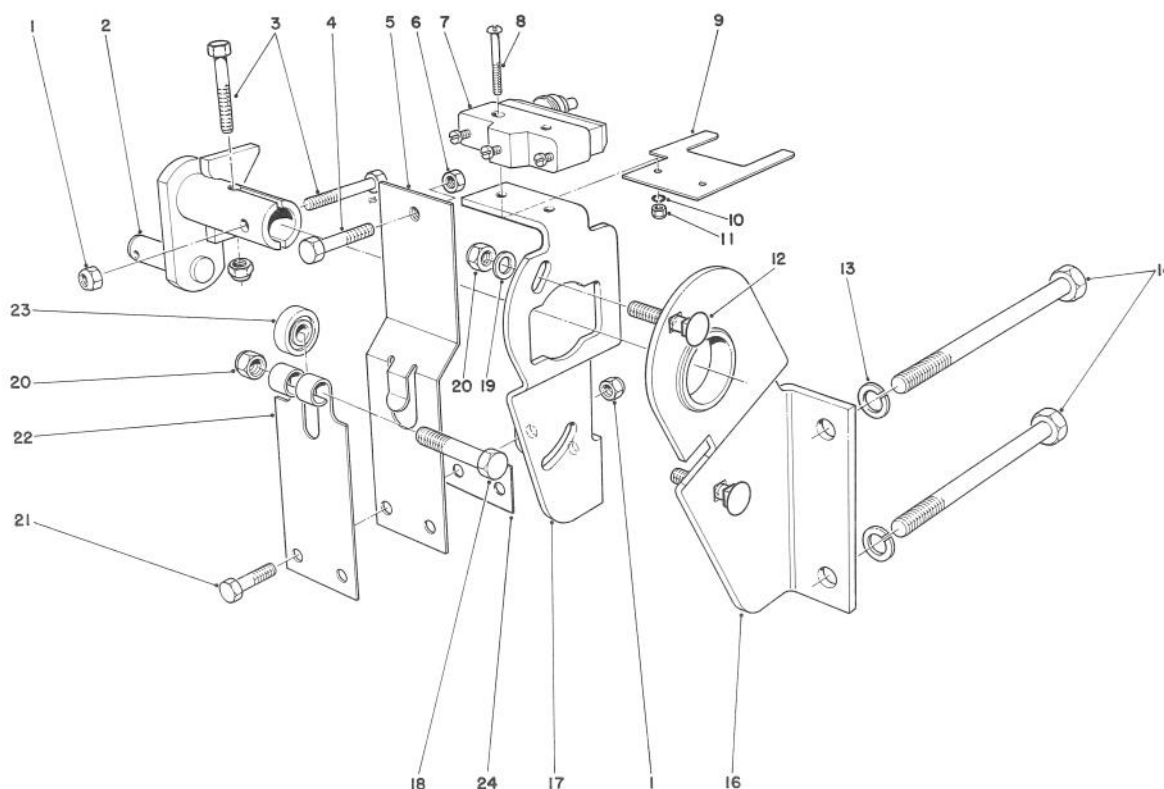


T-0537

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

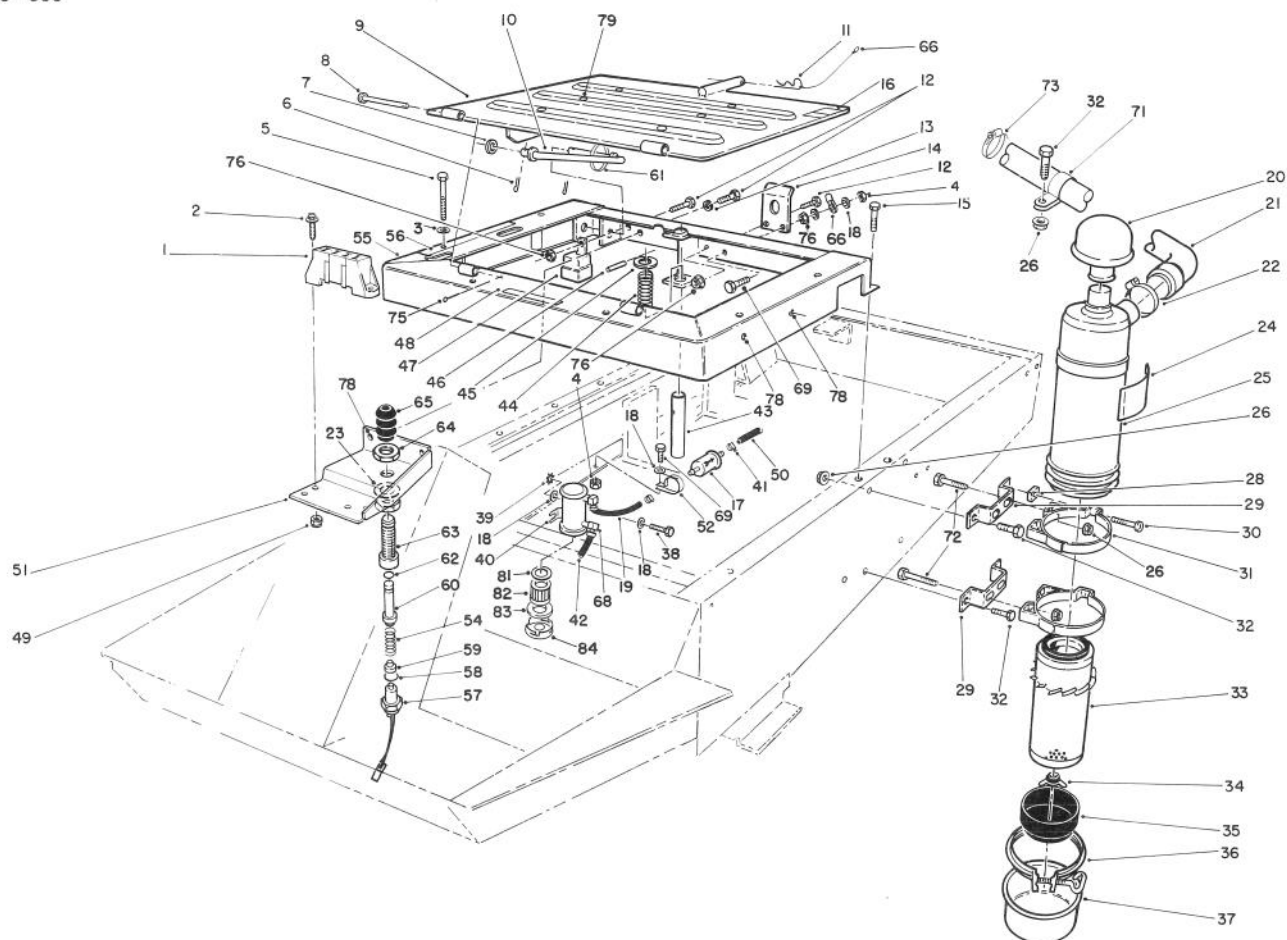
Ref. No.	Part No.	Description	No. Used
7	66-8630	Tube	1
8	66-8500	Hose	1
9	66-8620	Tube	1
10	66-8490	Hose	1
11	66-8140	Hose	1
12	66-8170	Hose	2



T-0538A

TRANSMISSION INTERLOCK ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3296-42	Nut - Lock	4	13	3253-21	Washer - Lock	2
2	29-9790	Pump - Lever	1	14	323-39	Screw - Cap Hex. Hd.	2
3	321-9	Screw - Cap Hex. Hd.	2	16	52-8890	Bracket - Mounting	2
4	3210-7	Screw - Cap Hex. Hd.	1	17	52-9070	Plate - Pump	1
5	29-6170	Spring - Extended Leaf	1	18	322-17	Screw - Cap Hex. Hd.	1
6	3219-2	Nut - Hex.	1	19	3256-23	Washer - Flat	2
7	29-6162	Micro Switch	1	20	3296-29	Nut - Lock	3
8	3249-11	Screw - Round Hd.	2	21	321-4	Screw - Cap Hex. Hd.	2
9	46-8810	Stop - Leaf Spring	1	22	29-6150	Spring - Leaf	1
10	3254-9	Washer - Lock, Int. Tooth	2	23	251-259	Bearing - Ball	1
11	3217-16	Nut - Hex.	2	24	51-3150	Shim	1
12	3230-2	Carriage - Bolt	2				

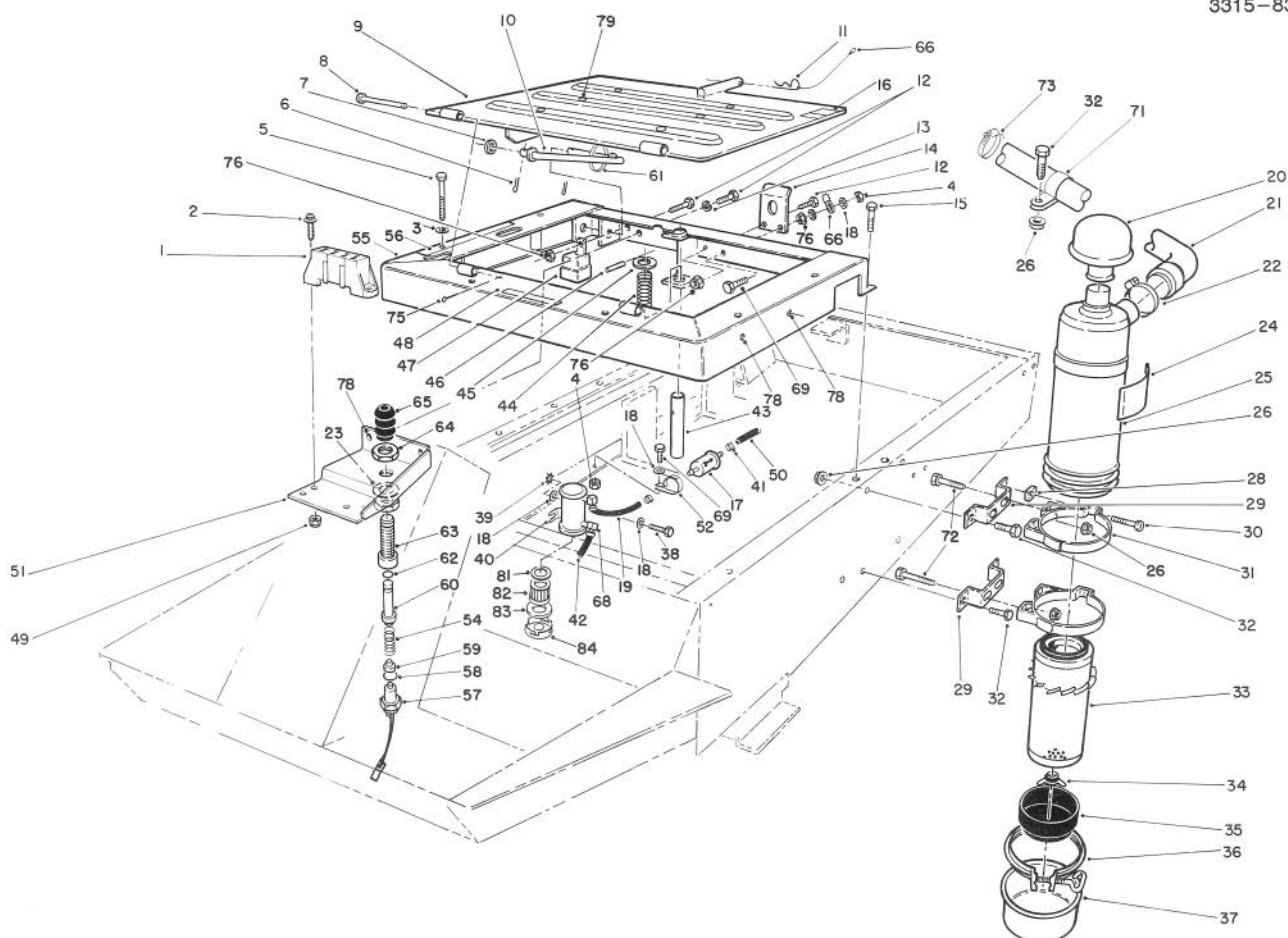


T-0839B

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	Assembly - Cap	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	Assembly - Air Cleaner (Incl. Ref. #24 & 32-36)	1

Ref. No.	Part No.	Description	No. Used
26	32128-20	Nut - Flange	9
28	32107-11	Nut - Square	2
29	66-2451	Bracket - Air Cleaner	2
30	3258-19	Screw - Cap Hex. Hd.	2
31	27-7170	Assembly - Mounting Band (Incl. Ref. #28 & 30)	2
32	322-5	Screw - Cap Hex. Hd.	5
33	27-7110	Assembly - Element	1
34	27-7120	Assembly - Nut & Gasket	1
35	27-7140	Skirt - Baffle	1
36	27-7130	Assembly - Clamp	1
37	27-7150	Assembly - Cup	1
38	321-8	Screw - Cap Hex. Hd.	2
39	3255-8	Washer - Lock, Ext. Tooth	1
40	53-8150	Pump - Fuel (Incl. Ref. #81-54)	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
51	92-7892	Bracket - Switch, Seat	1



T-0839B

SEAT FRAME & AIR CLEANER ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
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	Switch - Seat (Incl. Ref. #54, 57-60 & 62-65)	1
66	28-8070	Lanyard	1				
68	67-1690	Fitting	2				
69	321-6	Screw - Cap Hex. Hd.	2				

*Not Illustrated

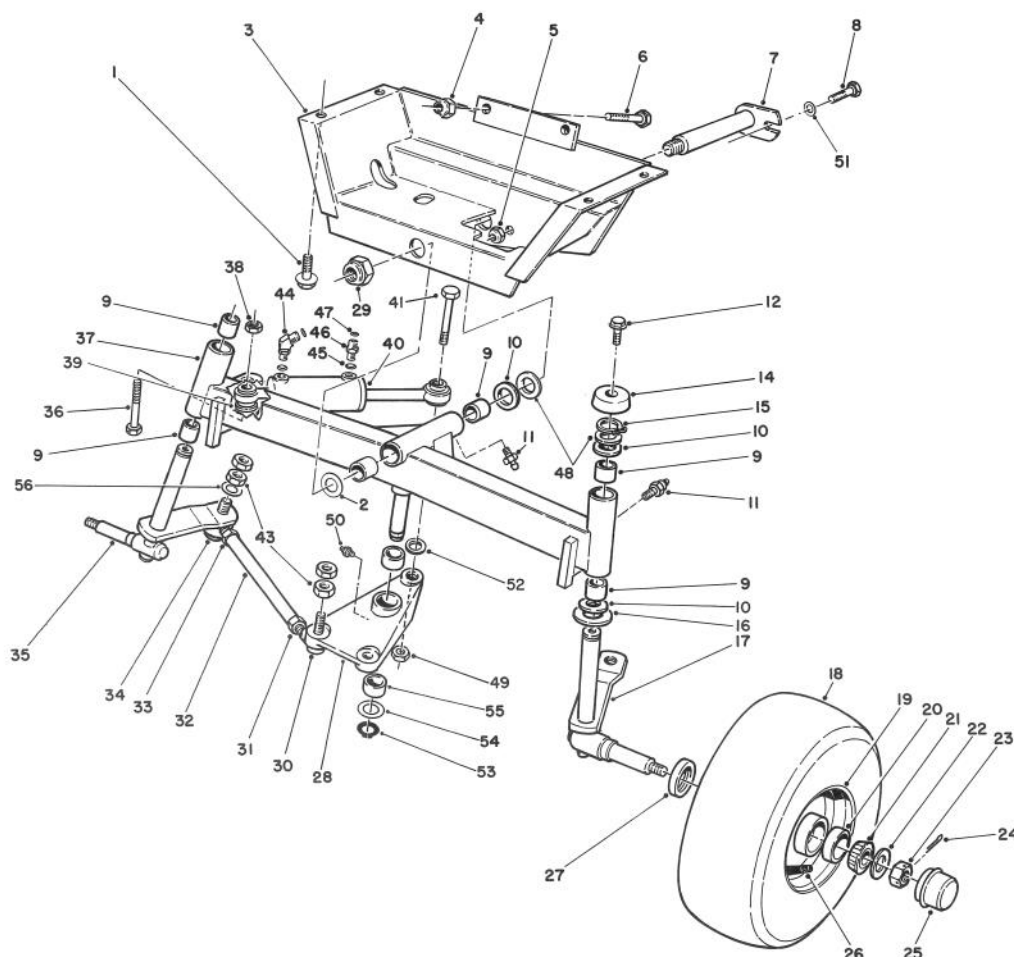


T-1692

MANUAL STORAGE ASSEMBLY

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

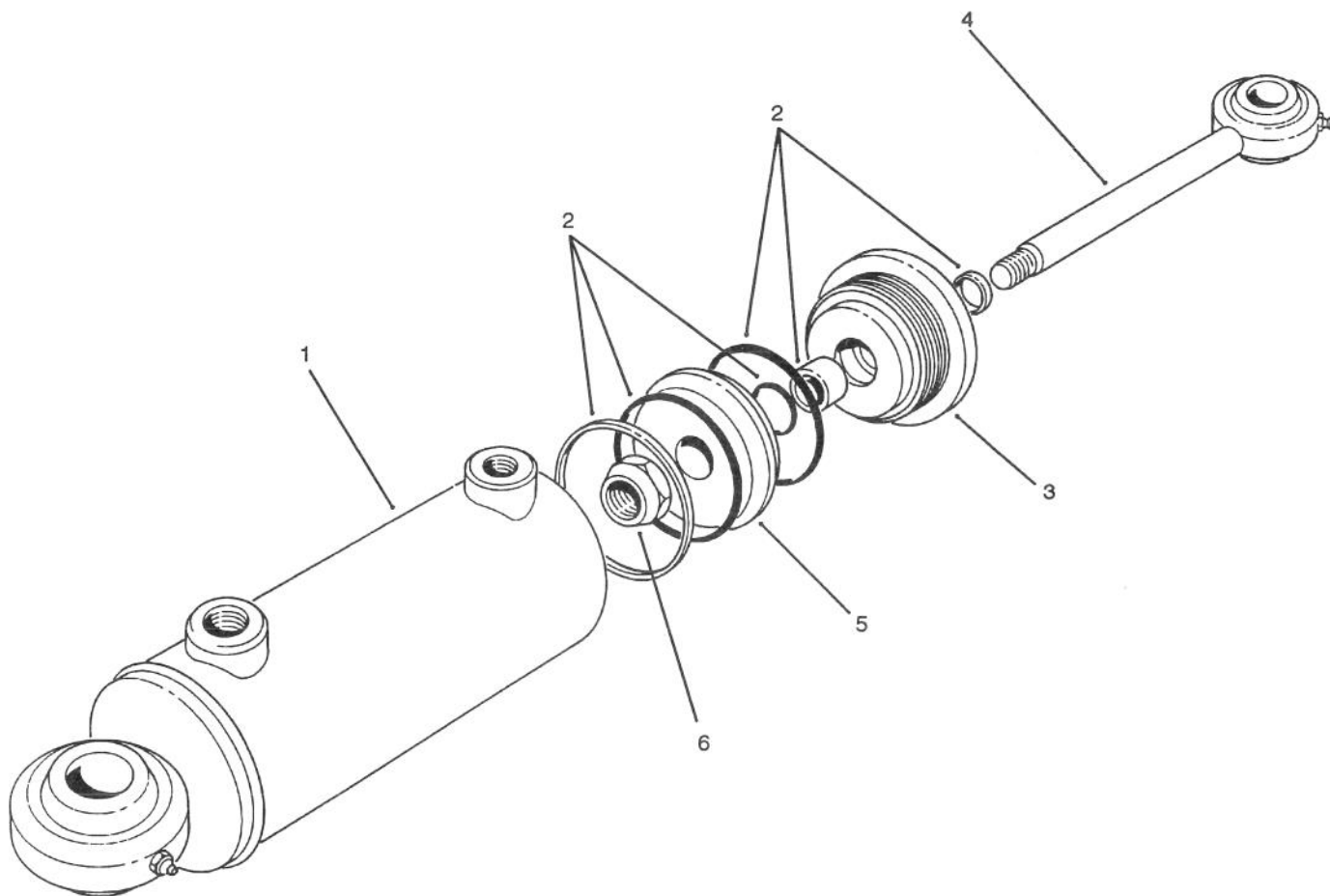
Ref. No.	Part No.	Description	No. Used
3	322-2	Screw - Cap Hex. Hd.	2
4	3256-23	Nut - Lock	2



T-0540A

REAR AXLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3234-25	Screw - Flange	4	29	3296-51	Nut - Lock	1
2	71-4540	Washer - Thrust	1	30	21-0151	Joint - Ball L.H.	2
3	63-6430	Frame - Rear	1	31	3220-12	Nut - Jam L.H.	2
4	3296-25	Nut - Lock	2	32	63-6880	Rod - Tie	2
5	3296-42	Nut - Lock	1	33	3220-5	Nut - Jam R.H.	2
6	325-5	Screw - Cap Hex. Hd.	2	34	21-0141	Joint - Ball R.H.	2
7	63-6770	Pin - Rear Axle	1	35	76-4520	Spindle - Wheel R.H.	1
8	321-4	Screw - Cap Hex. Hd.	1	36	67-7300	Screw Hex Hd.	1
9	67-1750	Bushing	6	37	76-3000	Axle (Incl. Ref. #9 & 11)	1
10	10-8110	Washer	5	38	32153-6	Nut - Hex Lock	1
11	302-5	Fitting - Grease	3	39	67-7250	Spacer Cyl.	1
12	3234-13	Screw - Flange Hd.	2	40	76-2070	Cylinder - Steering	1
14	66-2990	Cap - Spindle	2	41	328-25	Screw - Cap Hex. Hd.	1
15	32151-36	Ring - Retaining	2	43	3220-3	Nut - Jam	8
16	256-121	Washer - Thrust	2	44	340-103	Fitting - 45° Elbow (Incl. Ref. #45 & 47)	1
17	76-4510	Spindle - Wheel L.H.	1	45	237-78	Seal - O-Ring	2
18	231-105	Tire	2	46	340-92	Fitting - Straight	1
19	217-118	Rim	2	47	237-21	Seal - O-Ring	2
20	254-72	Cup - Bearing	4	48	56-2460	Washer - Flat	A/R
21	254-94	Cone - Bearing	4	49	32128-45	Nut - Lock, Flange	1
22	3256-28	Washer - Flat	2	50	302-62	Fitting - Grease	1
23	32136-5	Nut - Castle	2	51	3256-22	Washer - Flat	1
24	3272-13	Pin - Cotter	2	52	67-9410	Washer - Flat	1
25	241-119	Cap - Hub	2	53	32121-77	Ring - Retaining	1
26	232-35	Stem - Valve	2	54	76-2980	Washer - Thrust	1
27	253-129	Seal - Hub	2	55	76-2970	Bushing	2
28	76-4810	Pivot - Steering (Incl. Ref. #50 & 55)	1	56	3256-24	Washer - Flat	2

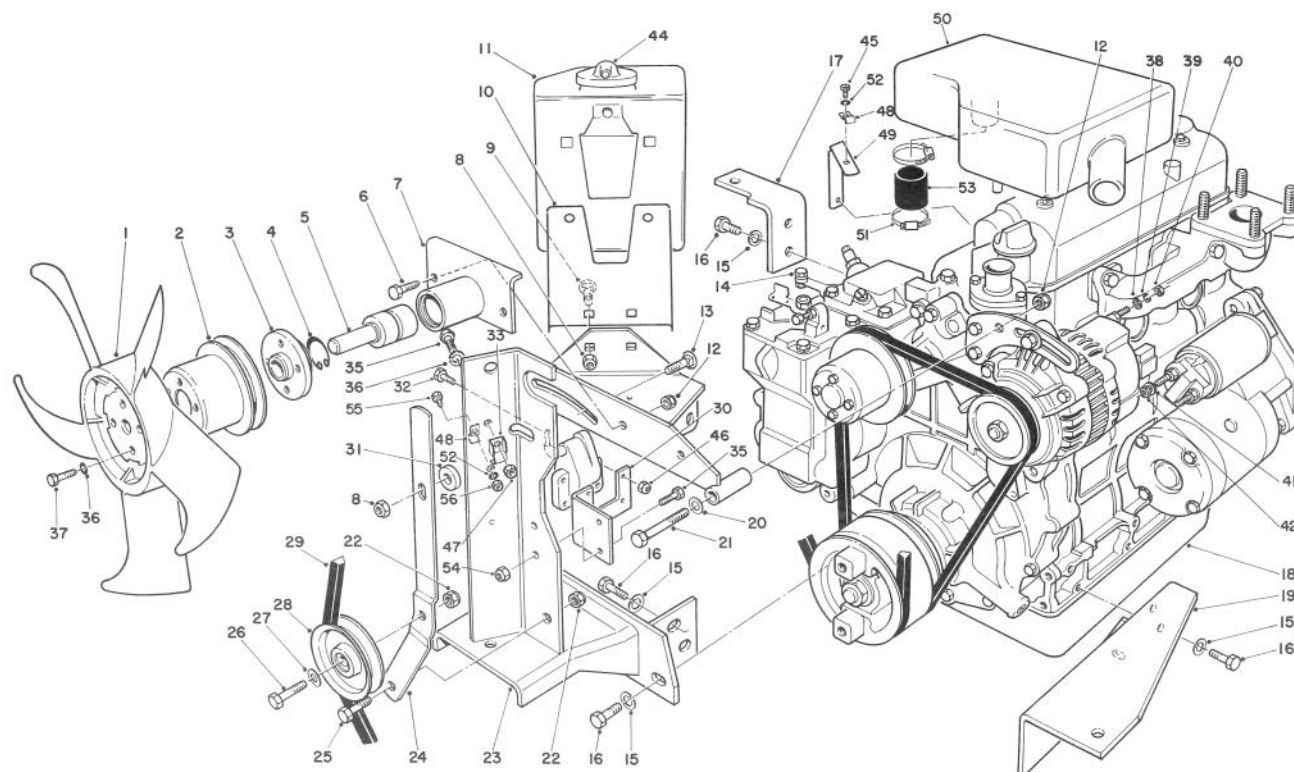


T-0541

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

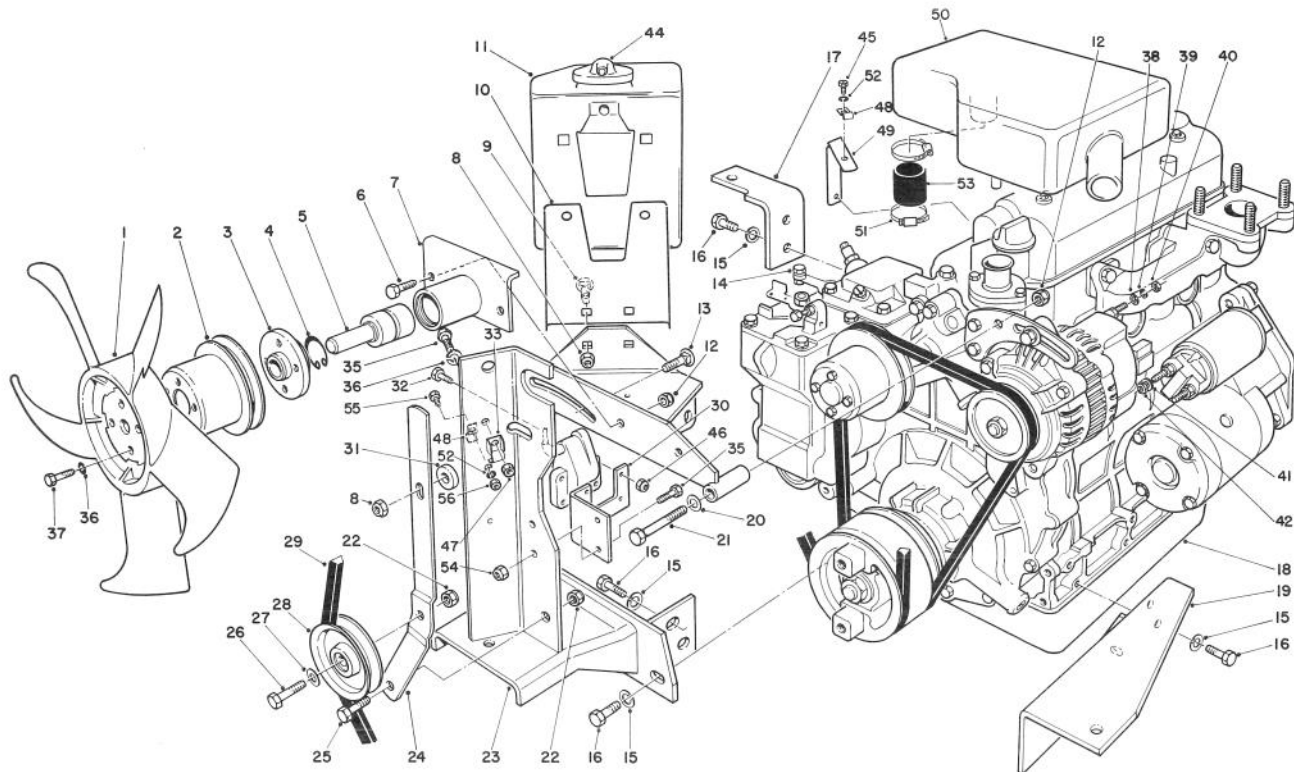


T-0838A

ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	43-1910	Fan - Cooling	1
2	42-9070	Pulley - Fan	1
3	53-8680	Hub - Fan	1
4	32120-10	Ring - Retaining	1
5	36-7290	Shaft w/Bearing	1
6	322-4	Screw - Cap Hex. Hd.	2
7	84-1940	Hub	1
8	32128-20	Nut - Flange	3
9	3230-23	Bolt - Carriage	2
10	66-2440	Plate - Reservoir	1
11	63-7380	Tank - Expansion (Incl. Ref. #44)	1
12	3296-29	Nut - Lock	3
13	3230-2	Bolt - Carriage	1
14	63-6760	Swivel - Cable, Throttle	1
15	48-9590	Washer - Lock	8
16	63-7790	Screw	8
17	71-2910	Angle - Mount, Engine	1
18	68-9960	Engine	1
19	66-2320	Mount - Engine	1
20	3256-23	Washer - Flat	1
21	322-11	Screw - Cap Hex. Hd.	1
22	3296-39	Nut - Lock	2
23	71-1450	Bracket	1
24	63-6720	Lever - Idler	1
25	323-6	Screw - Cap Hex. Hd.	1
26	323-8	Screw - Cap Hex. Hd.	1
27	3256-24	Washer - Flat	1

Ref. No.	Part No.	Description	No. Used
28	63-8140	Pulley	1
29	92-8879	Belt - Fan	1
30	71-2980	Bracket - Coil	1
31	52-2340	Spacer	1
32	3290-360	Screw - Cap Hex. Hd.	4
33	3-6657	Clip - Skid	1
35	321-4	Screw - Cap Hex. Hd.	3
36	3253-3	Washer - Lock	5
37	321-3	Screw - Cap Hex. Hd.	4
38	5-3637	Washer - Flat	1
39	43-5920	Washer - Lock	1
40	43-5970	Nut - Hex.	1
41	42-9850	Washer - Lock	2
42	57-6390	Nut - Hex.	2
44	71-1520	Cap - Reservoir	1
45	32105-8	Screw	2
46	3296-2	Nut - Lock	4
47	3217-5	Nut - Hex.	1
48	2412-92	Clamp	2
49	71-1460	Bracket - Clamp	1
50	71-2901	Chamber - Induction	1
51	2412-92	Clamp	2
52	3253-2	Washer - Lock	2
53	71-3530	Hose - Carburetor	1
54	3296-42	Nut - Lock	2
55	32105-13	Screw - Cap Hex. Hd.	1
56	3217-26	Nut - Hex.	1

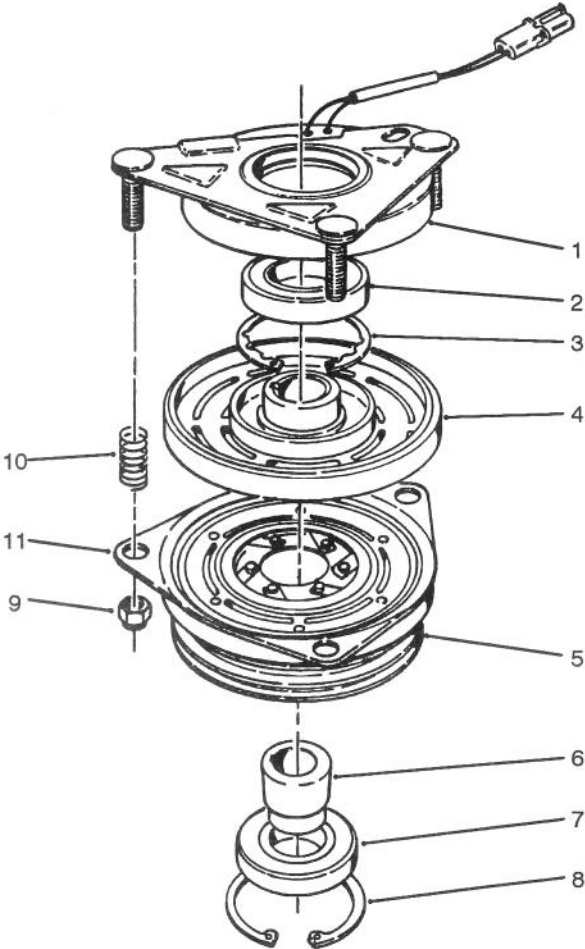


T-0838A

ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	43-1910	Fan - Cooling	1
2	42-9070	Pulley - Fan	1
3	53-8680	Hub - Fan	1
4	32120-10	Ring - Retaining	1
5	36-7290	Shaft w/Bearing	1
6	322-4	Screw - Cap Hex. Hd.	2
7	84-1940	Hub	1
8	32128-20	Nut - Flange	3
9	3230-23	Bolt - Carriage	2
10	66-2440	Plate - Reservoir	1
11	63-7380	Tank - Expansion (Incl. Ref. #44)	1
12	3296-29	Nut - Lock	3
13	3230-2	Bolt - Carriage	1
14	63-6760	Swivel - Cable, Throttle	1
15	48-9590	Washer - Lock	8
16	63-7790	Screw	8
17	71-2910	Angle - Mount, Engine	1
18	68-9960	Engine	1
19	66-2320	Mount - Engine	1
20	3256-23	Washer - Flat	1
21	322-11	Screw - Cap Hex. Hd.	1
22	3296-39	Nut - Lock	2
23	71-1450	Bracket	1
24	63-6720	Lever - Idler	1
25	323-6	Screw - Cap Hex. Hd.	1
26	323-8	Screw - Cap Hex. Hd.	1
27	3256-24	Washer - Flat	1

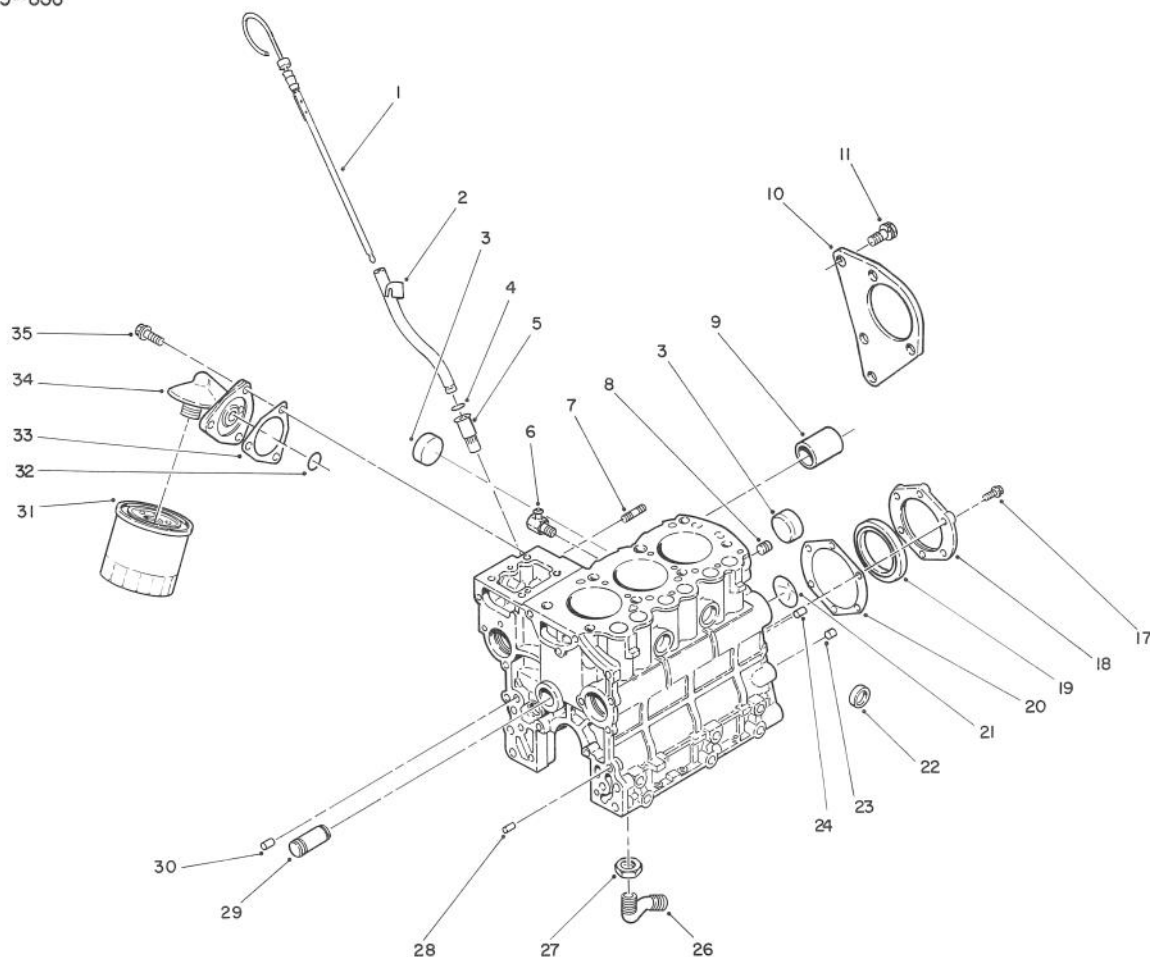
Ref. No.	Part No.	Description	No. Used
28	63-8140	Pulley	1
29	92-8879	Belt - Fan	1
30	71-2980	Bracket - Coil	1
31	52-2340	Spacer	1
32	3290-360	Screw - Cap Hex. Hd.	4
33	3-6657	Clip - Skid	1
35	321-4	Screw - Cap Hex. Hd.	3
36	3253-3	Washer - Lock	5
37	321-3	Screw - Cap Hex. Hd.	4
38	5-3637	Washer - Flat	1
39	43-5920	Washer - Lock	1
40	43-5970	Nut - Hex.	1
41	42-9850	Washer - Lock	2
42	57-6390	Nut - Hex.	2
44	71-1520	Cap - Reservoir	1
45	32105-8	Screw	2
46	3296-2	Nut - Lock	4
47	3217-5	Nut - Hex.	1
48	2412-58	Clamp	2
49	71-1460	Bracket - Clamp	1
50	71-2901	Chamber - Induction	1
51	2412-92	Clamp	2
52	3253-2	Washer - Lock	2
53	71-3530	Hose - Carburetor	1
54	3296-42	Nut - Lock	2
55	32105-13	Screw - Cap Hex. Hd.	1
56	3217-26	Nut - Hex.	1



T-0544

CLUTCH ASSEMBLY NO. 63-6050

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	67-7050	Assembly - Field Rotor (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		Assembly - Field Coil, Rotor & Bearing	1	9	3296-6	Nut - Lock	3
5	67-7070	Assembly - Arm. & Pulley (Incl. Ref. #6-8)	1	10	44-8320	Spring	3
				11	67-7100	Plate - Brake	1



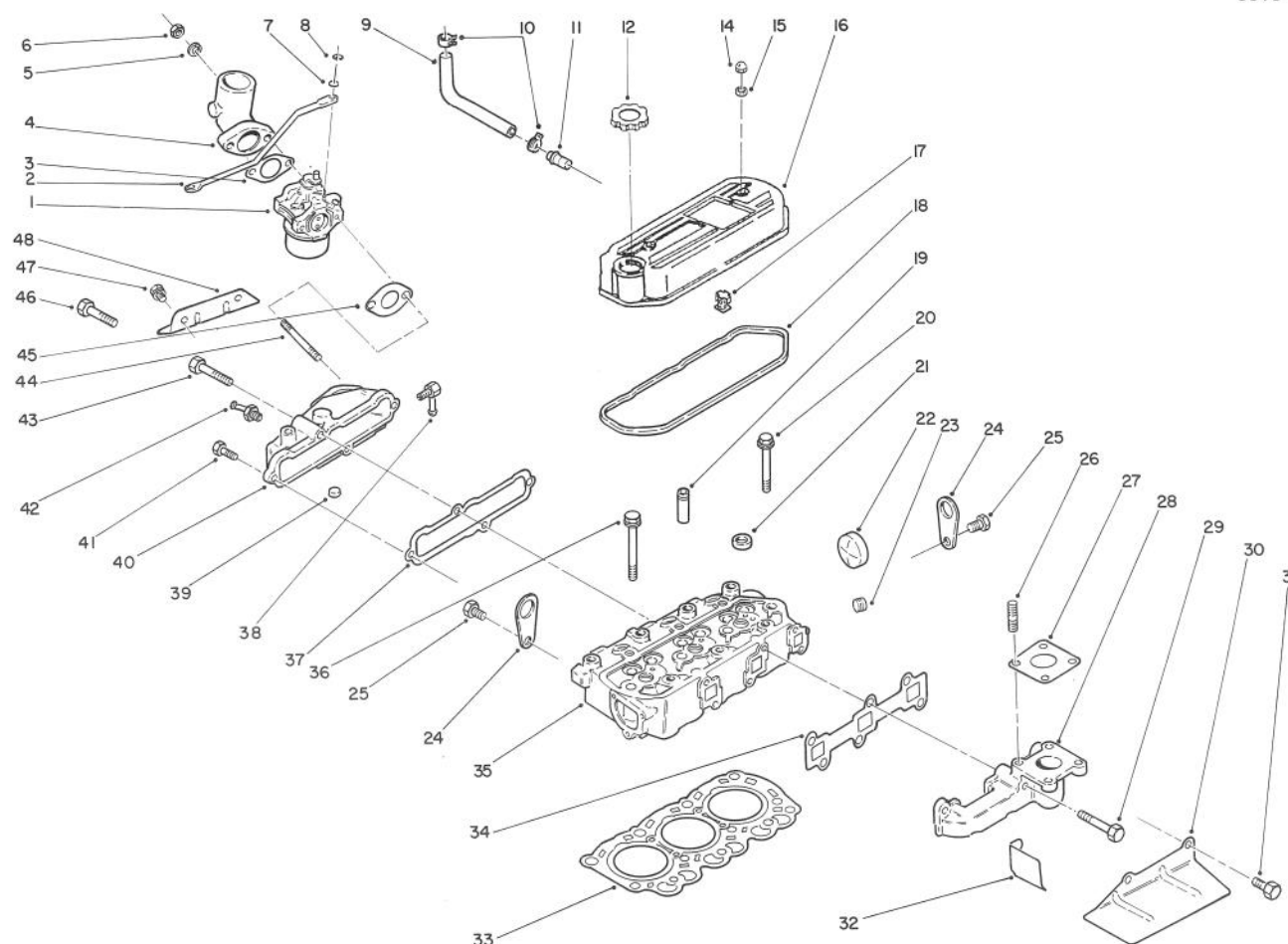
T-0829A

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, Oil Seal	1
21	67-2350	Plug - Expansion	1
22	42-7080	Cap - Sealing	2

Ref. No.	Part No.	Description	No. Used
23	67-2380	Bushing - Knock	3
24	67-2360	Bushing - Knock	2
26	67-4340	Assembly - Screen, Oil (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	Assembly - Filter, Oil	1
32	72-6990	O-Ring	1
33	72-6040	Gasket - Bracket, Oil Filter	1
34	72-6030	Bracket - Oil Filter	1
35	72-6980	Bolt	3
*	72-6920	Kit - Gasket	1
*	72-6000	Assembly - Cylinder Block	1

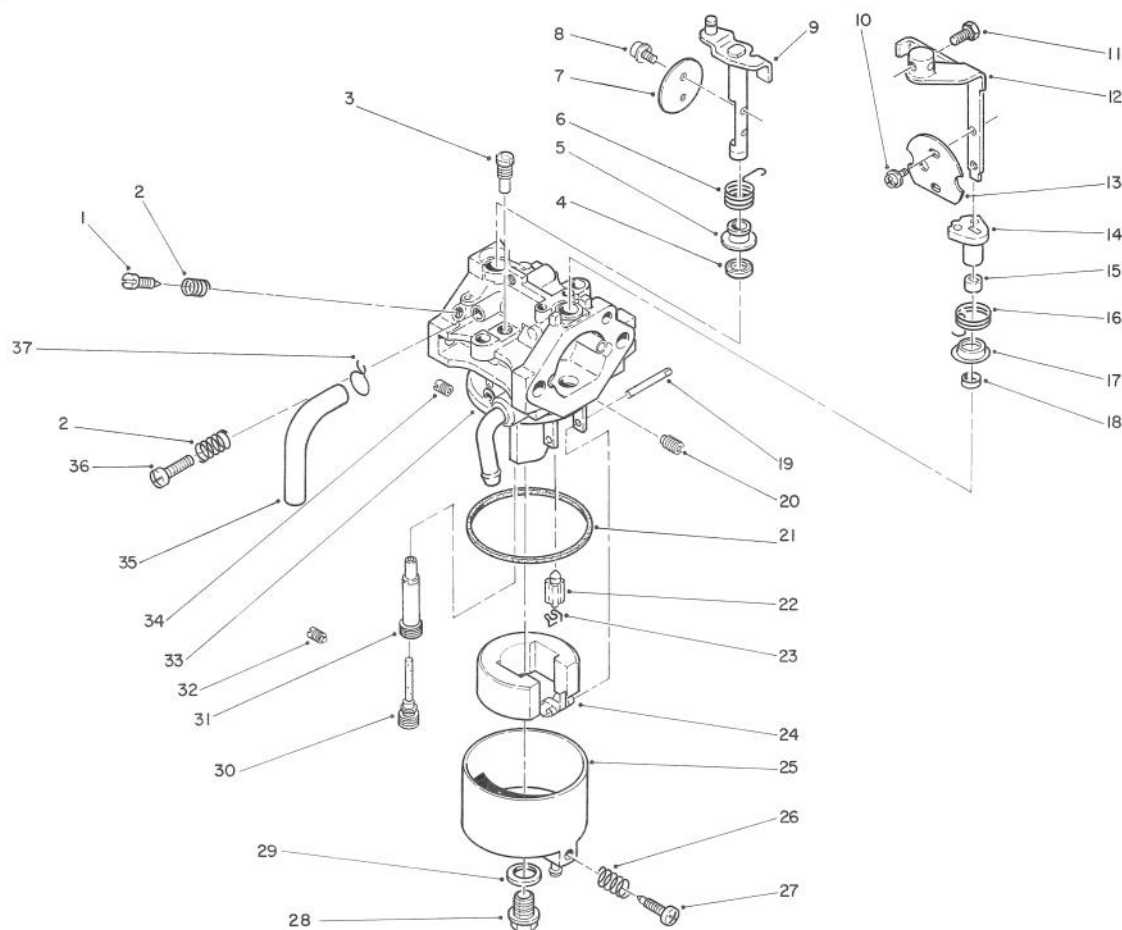
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T-0827A

CARBURETOR, CYLINDER HEAD & MANIFOLD ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	72-6260	Assembly - Carburetor	1	26	42-9570	Stud	4
2	72-6220	Rod - Link	1	27	42-9110	Gasket	1
3	72-6230	Gasket - Pipe, Intake	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 - Breather, Air	1	34	67-4570	Gasket - Manifold, Exhaust	1
10	72-7160	Clip - Hose	2	35	72-6050	Assembly - Head, Cylinder (Incl. Ref. #19, & 21-23)	1
11	42-7510	Pipe	1	36	67-2730	Bolt - Head, Cylinder	8
12	92-0847	Assembly - Cap, Oil Fill	1	37	67-4550	Gasket - Manifold, Intake	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	Assy. - Cover, Rocker Arm (Incl. Ref. #11)	1	40	72-6090	Assembly - Cover, Intake (Incl. Ref. #38, 39 & 42)	1
17	72-6070	Separator - Oil	1	41	67-2330	Bolt	2
18	67-2760	Gasket - Cover, Rocker Arm	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				

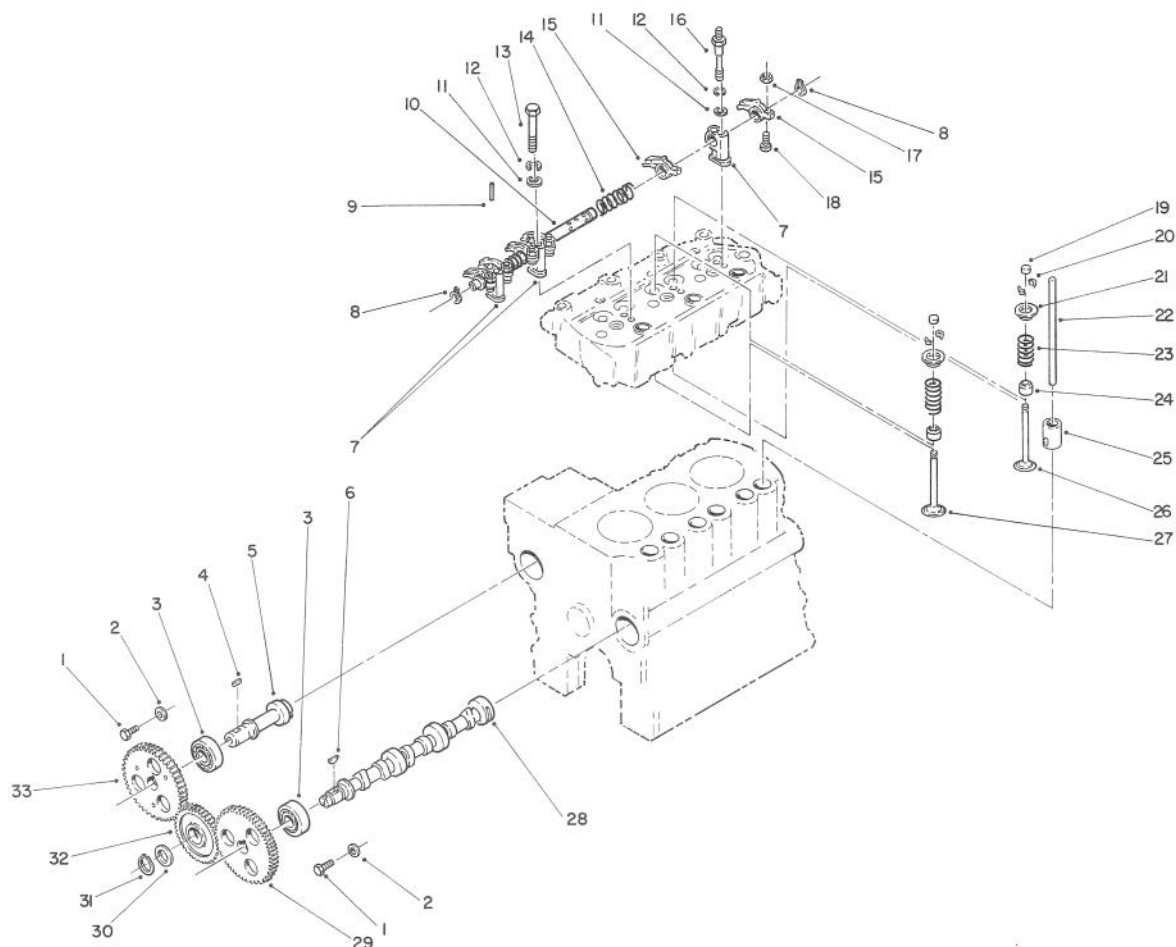


T-0833

CARBURETOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	72-6580	Assembly - Adjuster	1
2	72-6570	Spring	2
3	72-6420	Jet - Pilot (40)	1
4	72-6320	Seal	1
5	72-6310	Ring	1
6	72-6300	Spring	1
7	72-6280	Valve - Throttle	1
8	72-6270	Screw	2
9	72-6290	Assembly - Shaft, Throttle	1
10	72-6330	Screw	2
11	72-6360	Bolt	1
12	72-6350	Assembly - Lever, Choke	1
13	72-6340	Valve - Choke	1
14	72-6370	Ring	1
15	72-6380	Ring	1
16	72-6390	Spring	1
17	72-6400	Cap	1
18	72-6410	Seal	1
19	72-6480	Pin	1

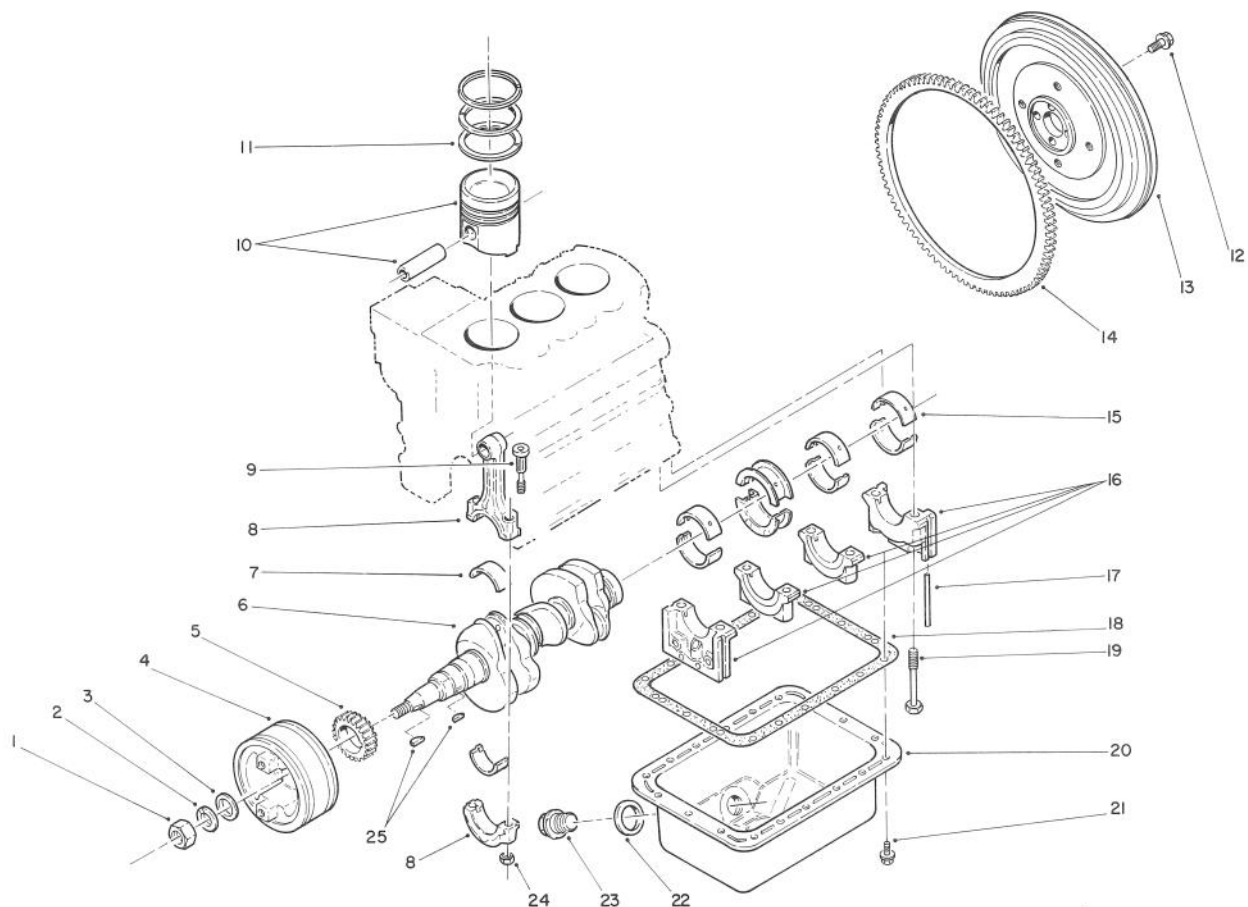
Ref. No.	Part No.	Description	No. Used
20	72-6490	Jet - Main Air (2.0)	1
21	72-6510	Gasket	1
22	72-6450	Assembly - Needle	1
23	72-6460	Clip	1
24	72-6470	Assembly - Float	1
25	72-6520	Assembly - Body, Float	1
26	72-6550	Stop - Spring	1
27	72-6560	Screw	1
28	72-6540	Bolt	1
29	72-6530	Gasket	1
30	72-6440	Nozzle	1
31	72-6430	Nozzle - Main	1
32	72-6650	Jet - Main	1
33	72-6260	Assembly - Carburetor (Incl. Ref. #1-31 & 33-37)	1
34	72-6500	Jet - Pilot Air (1.2)	1
35	72-6600	Hose	1
36	72-6610	Screw	1
37	72-6590	Clip - Spring	1



T-0828

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 - Stem, Valve	6
3	67-3030	Bearing - Ball	2	20	42-7860	Lock - Retainer	12
4	42-7840	Key - Sunk	1	21	67-3100	Retainer - Spring, Valve	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	Assembly - Shaft, Rocker	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 - Shaft, Rocker	2	31	56-1060	Ring - Retaining	1
15	67-3160	Arm - Rocker	6	32	67-3090	Assembly - Gear, Idler	1
16	67-3250	Bolt - Stay, Rocker	2	33	67-3070	Gear - Pump Cam, Fuel Injection	1
17	67-3230	Nut - Jam	6				



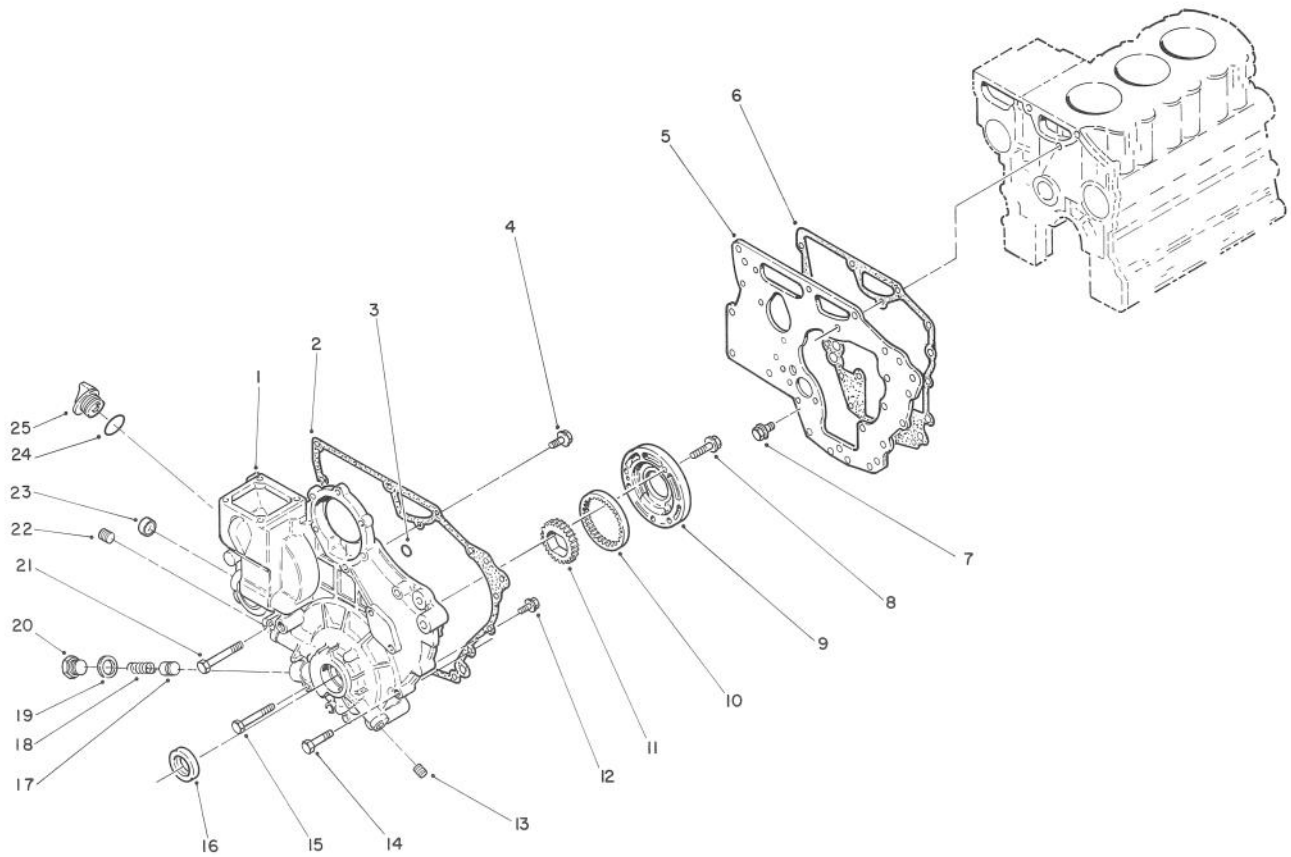
T-0830

PISTON, CAMSHAFT & FLYWHEEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67-2940	Nut - Jam	1
2	67-2960	Washer - Spring	1
3	67-2950	Washer - Flat	1
4	67-2930	Pulley - Crankshaft	1
5	67-2910	Gear - Crankshaft	1
6	92-0845	Crankshaft	1
7	67-2880	Bearing Set	
		Connecting Rod - Std.	3
*	67-2890	Bearing Set	
		Connection Rod - 0.25 US	3
*	67-2900	Bearing Set	
		Connection Rod - 0.50 US	3
8	67-2850	Assembly - Connecting Rod (Incl. Ref. #9 & 24)	34
9	67-2860	Bolt - Connecting Rod	6
10	72-6160	Piston & Pin Set. Std.	3
*	72-6170	Piston & Pin Set 0.25 OS	3
*	72-6180	Piston & Pin Set 0.50 OS	3
11	67-2790	Ring Set - Piston, Std.	3
*	67-2800	Ring Set - Piston, 0.25 OS	3

Ref. No.	Part No.	Description	No. Used
*	67-2810	Ring Set - Piston, 0.50 OS	3
12	67-2990	Bolt - Flywheel	4
13	67-2970	Assembly - Flywheel (Incl. Ref. #14)	1
14	67-2980	Gear - Ring	1
15	67-2400	Bearing Set Crankshaft Std.	1
*	67-2410	Bearing Set Crankshaft 0.25	1
*	67-2420	Bearing Set Crankshaft 0.50	1
16		Assembly - Bearing, Cap	1
17	67-2200	Slide - Seal	4
18	67-2200	Gasket - Oil Pan	1
19	67-2250	Bolt - Bearing Cap	1
20	67-2470	Assembly - Oil Pan (Incl. Ref. #22 & 23)	1
21	42-9490	Bolt w/Washer	18
22	42-7290	Gasket - Plug, Oil Drain	1
23	42-9260	Plug - Drain, Oil	1
24	42-9590	Nut - Rod, Connecting	6
25	56-0480	Key - Woodruff	2

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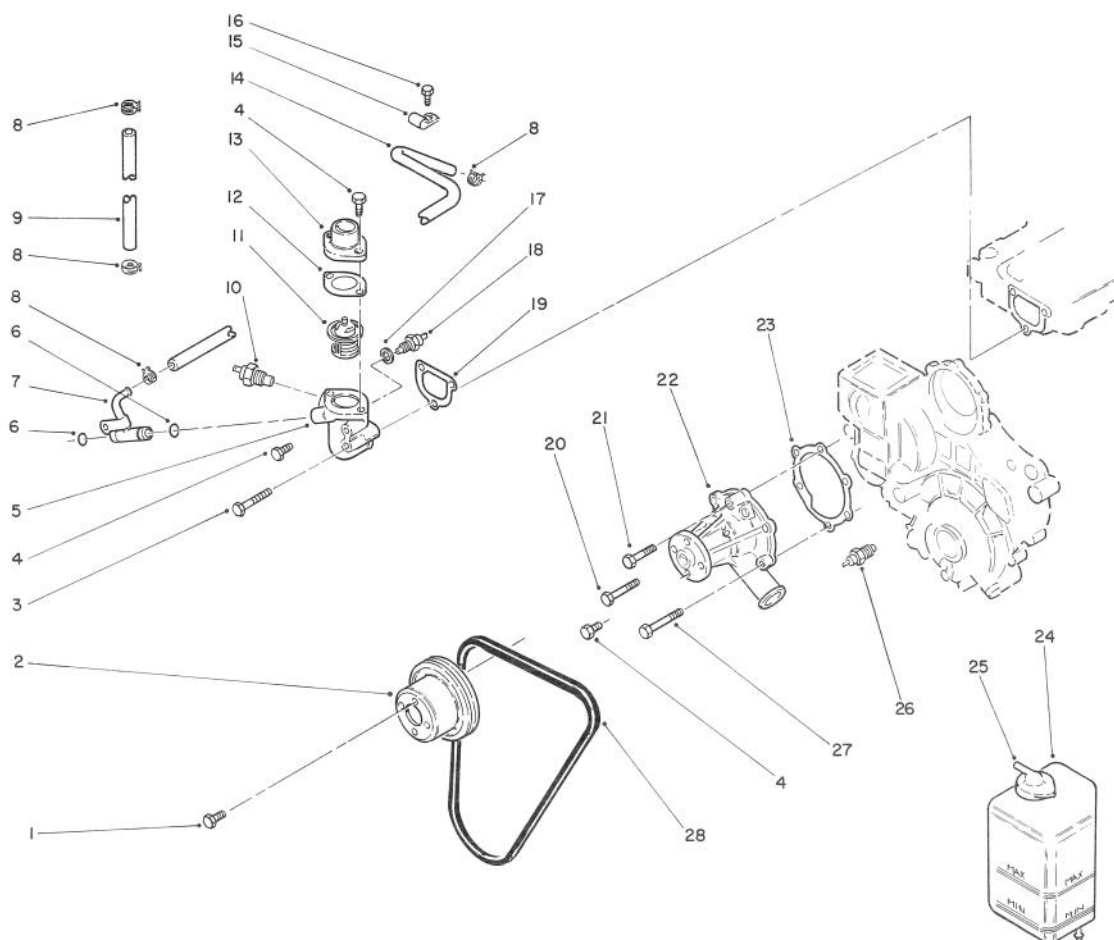


T-0836

GEAR CASE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	75-4920	Assembly - Sub, Gear Case	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 - Plate, Front	1
7	42-9440	Bolt w/Washer	7
8	67-2560	Bolt w/Washer	3
9	67-2550	Housing - Pump, Oil	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 - Plug, Drain	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	Assembly - Cap, Oil Filter (Incl. Ref. #24)	1

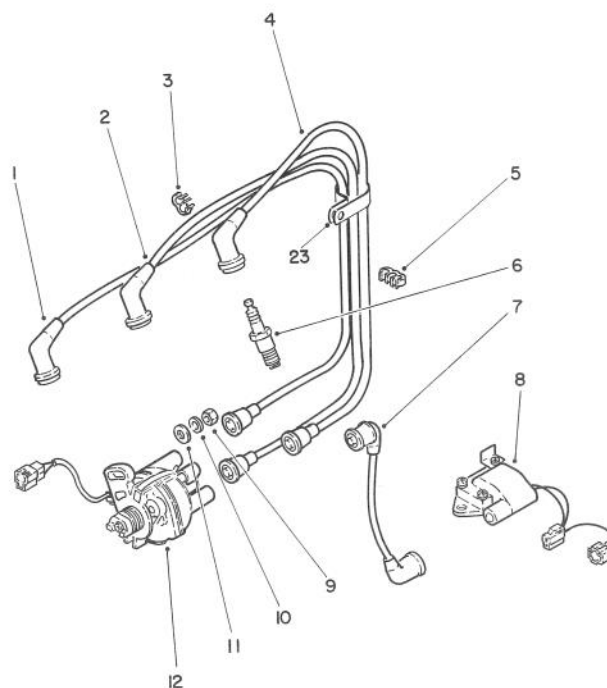
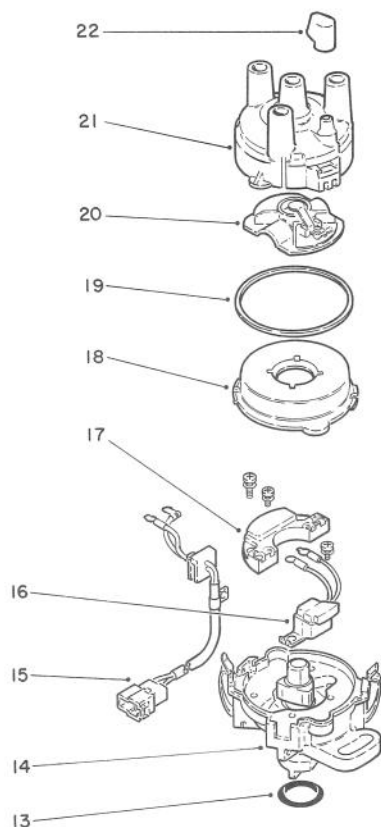


T-0826

WATER PUMP ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	42-9490	Bolt w/Washer	4
2	67-4360	Pulley - Pump, Water	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	Assembly - Pump, Water	1
23	67-4390	Gasket - Pump, Water	1
24	67-7380	Assembly - Tank, Reservoir (Incl. Ref. #23)	1
25	71-1520	Assembly - Cap, Reservoir	1
26	67-4350	Switch - Oil Pressure	1
27	67-2610	Bolt	2
28	67-4410	V-Belt	1



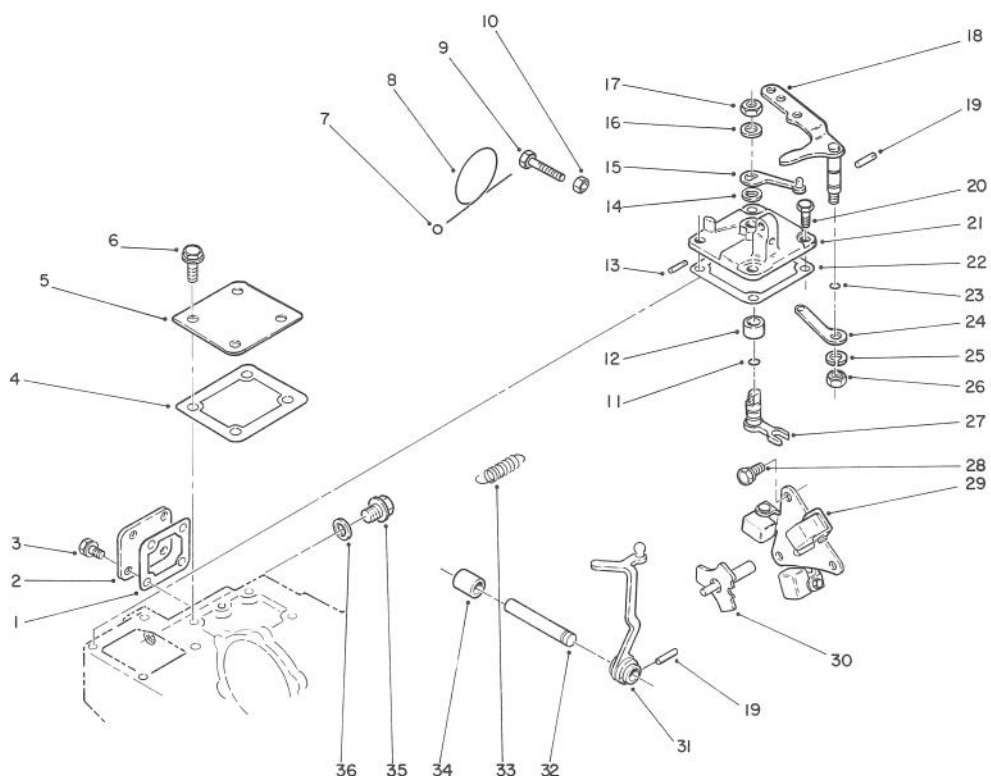
T-0834

DISTRIBUTOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	72-6890	Assembly - Cable Spark Plug No. 1	1
2	72-6900	Assembly - Cable Spark Plug No. 2	1
3	72-7150	Clamp - Hose, Emission	1
4	72-6910	Assembly - Cable Spark Plug No. 3	1
5	72-7140	Clip - Hose	1
6	72-7130	Assy. - Spark Plug (BP4ES)	3
7	72-6190	Assy. - Cable, High Tension	1
8	72-6880	Assembly - Coil, Ignition	1
9	67-4180	Nut	1
10	67-3260	Washer - Spring	1
11	42-9660	Washer - Flat	1

Ref. No.	Part No.	Description	No. Used
12	72-6750	Assembly - Distributor	1
13	72-6830	O-Ring	1
14	72-6820	Housing Set	1
15	72-6850	Lead Wire Set w/Screws	1
16	72-6810	Pick Up Set w/Screws	1
17	72-6800	Igniter Set w/Screws	1
18	72-6790	Cover	1
19	72-6780	Gasket	1
20	72-6770	Assembly - Rotor	1
21	72-6760	Assembly - Cap (Incl. Ref. #22)	1
22		Assembly - Cap	3
23	2412-106	R-Clamp	1
*	72-6840	Screw Set - Distributor	1

*Not Illustrated

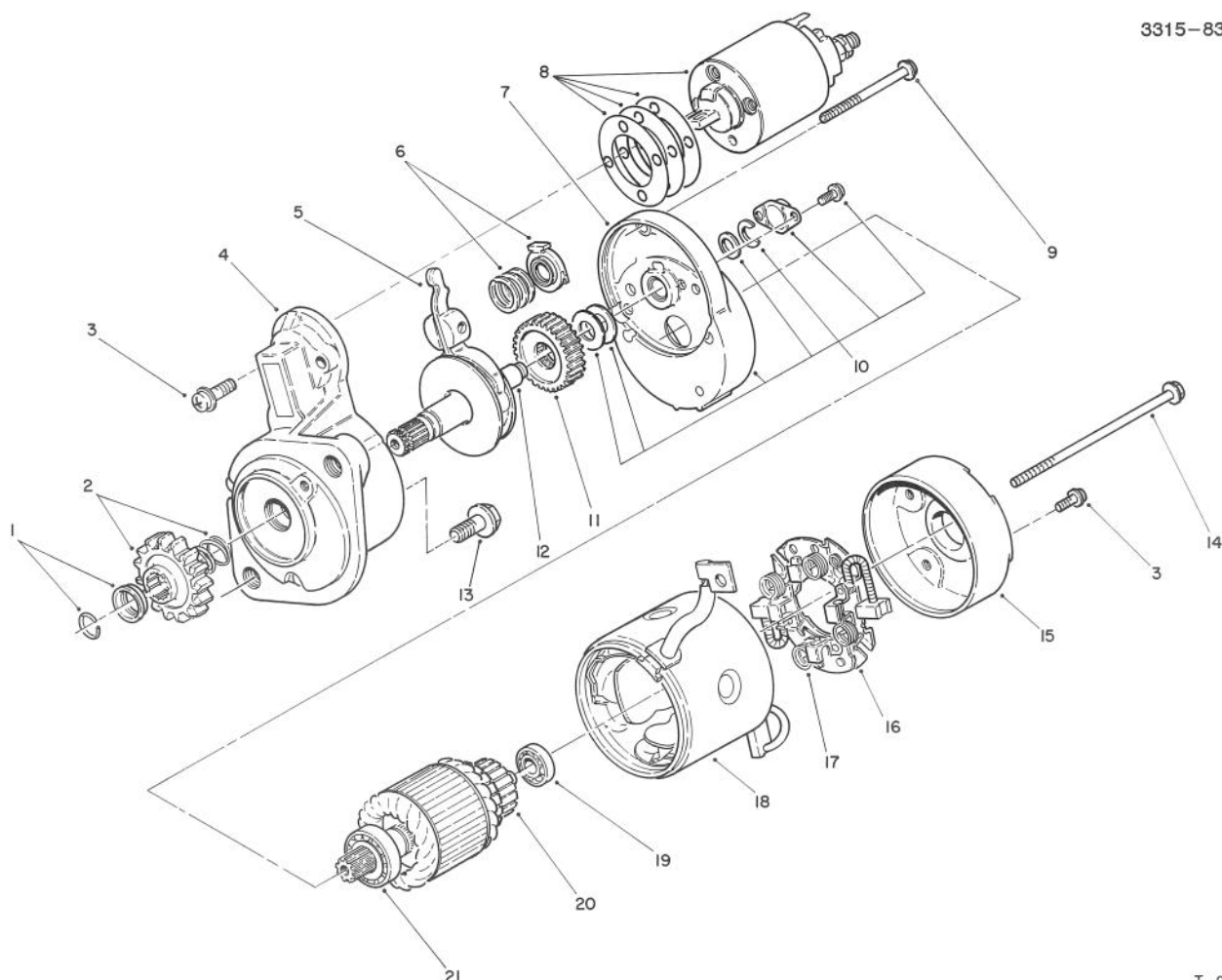


T-0835

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	Assy. - Lever, Speed Cont.	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	Assembly - Lever, Inner	1
28	42-9430	Bolt w/Washer	3
29	72-6720	Assy. - Weight, Governor	1
30	72-6730	Assembly - Shaft, Sliding	1
31	72-6640	Assembly - Lever, Governor	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



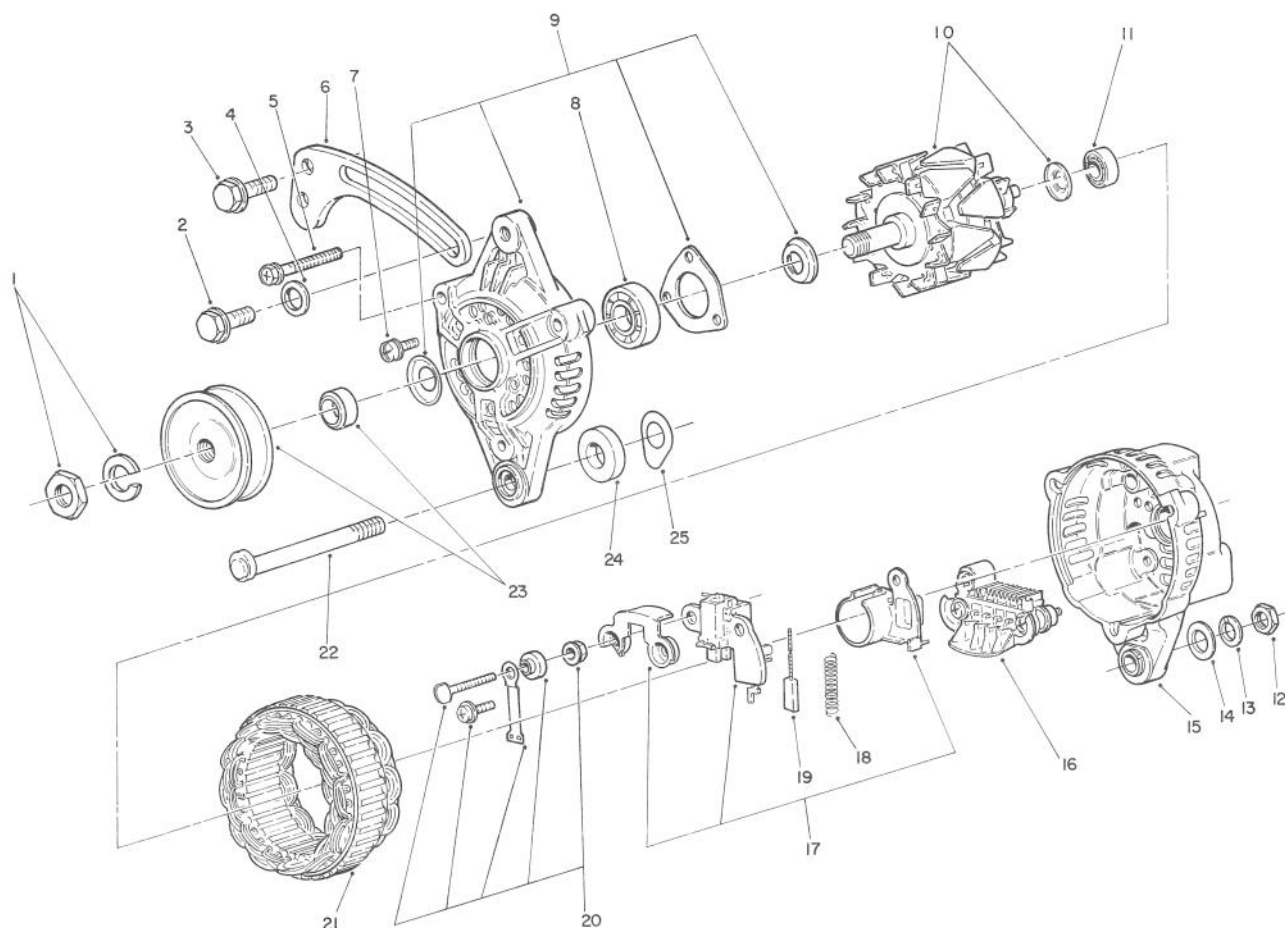
T-0831

STARTER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	56-1640	Stopper Set	1
2	67-4770	Pinion Set (Incl. Ref. #1)	1
3	56-1510	Screw - Set	2
4	67-4710	Assembly - Bracket, Front	1
5	67-4720	Assembly - Lever	1
6	67-4730	Spring Set	1
7	67-4740	Assembly - Bracket, Center	1
8	67-4750	Assembly - Switch	1
9	52-1570	Bolt Set	1
10	56-1680	Cover Set (Incl. Ref. #7)	1
11	56-1670	Gear	1
12	67-4790	Assembly - Shaft	1
*	67-4780	Gear Set (Incl. Ref. #11-12)	1

Ref. No.	Part No.	Description	No. Used
*	67-4760	Assembly - Shaft, Clutch (Incl. Ref. #1-12)	1
13		Bolt - Engine Mounting	2
14	56-5610	Bolt	2
15	56-1720	Assembly - Bracket, Rear	1
16	56-1700	Assembly - Holder (Incl. Ref. #17)	1
17	56-1710	Spring - Brush	4
18	67-4800	Assembly - Yoke	1
19	56-1600	Bearing - Rear	1
20	56-1580	Armature Set (Incl. Ref. #19 & 21)	1
21	56-1590	Bearing - Front	1
*	67-4600	Assembly - Starter, Compl. (12V-1.6 Kw) (Incl. Ref. #1-21)	1

*Not Illustrated



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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	Assembly - Bracket, Front (Incl. Ref. #7 & 8)	1
10	67-4860	Assembly - Rotor (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	Assembly - Bracket, Rear (Incl. Ref. #16-20)	1
16	67-4930	Assembly - Rectifier	1
17	67-4910	Assembly - Regulator (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	Assembly - Stator	1
22	67-4640	Bolt	1
23	67-4810	Pulley Set	1
24	67-4620	Spacer	1
25	43-0370	Shim	5
*	67-4630	Assembly - Alternator (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	27-6600	Spacer - Rubber	17 15 6
3-4324	Washer	28 38 1	27-6851	Shaft - Axle, Flanged R.H.	16 * 1
3-6624	Spring	28 27 1	27-6861	Shaft - Axle, Flanged L.H.	16 1 1
3-6657	Clip - Skid	27 33 1	27-7100	Assembly - Air Cleaner	22 25 1
3-7243	Spring - Return	5 20 2	27-7110	Assembly - Element	22 33 1
4-2390	Washer	28 28 1	27-7120	Assembly - Nut & Gasket	22 34 1
5-0652	Spacer	17 30 1	27-7130	Assembly - Clamp	22 36 1
5-3637	Washer - Flat	27 38 1	27-7140	Skirt - Baffle	22 35 1
5-7570	Washer	7 6 2	27-7150	Assembly - Cup	22 37 1
7-3900	Foot Pad - Brake	5 28 2	27-7160	Decal - Instructions	22 24 1
10-8110	Washer	25 10 5	27-7170	Assembly - Mounting Band	22 31 2
12-5450	Screw - Thread Forming	14 15 8	27-7180	Assembly - Cap	22 20 1
14-7149	Assembly - Hood	1 1 1	27-7310	Decal (Over Fill Caution)	1 16 1
18-1520	Filter - Fuel	22 17 1	27-9620	Screw - Cap Hex. Hd.	17 29 1
21-0141	Joint - Ball R.H.	25 34 2	28-0660	Screw - Cap Hex. Hd.	16 21 8
21-0151	Joint - Ball L.H.	25 30 2	28-0670	Oil Seal	16 13 2
21-7670	Differential Case	14 6 1	28-0680	Brake Drum	16 11 2
21-7690	Gear - Pinion	14 10 2	28-1280	Boot - Pos. Cable	9 63 1
21-7700	Shaft - Pinion Mate	14 7 1	28-3300	Bearing - Roller	19 4 1
21-7720	Washer - Thrust	14 8 2	28-3310	Bearing - Needle	19 5 2
21-7730	Washer - Thrust	14 11 2	28-3340	Gasket	19 49 1
21-7770	Screw - Drive Gear	14 5 5	28-3350	Pin	19 48 2
21-7830	Cover - Gear	14 16 1	28-3380	Plate - Motor Valve	19 45 1
21-7850	Cap Plug	14 27 1	28-3400	O-Ring	19 24 2
21-8020	Spacer - Frt. Pinion Bearing	15 29 1	28-3420	Relief Valve Cone Chg.	19 27 2
21-8090	Diff. Adjust. Shim. .003	15 35A/R	28-3440	Threaded Plug	19 42 2
21-8100	Diff. Adjust. Shim. .005	15 36A/R	28-3450	Washer - Flat	19 36 2
21-8110	Diff. Adjust. Shim. .010	15 37A/R	28-3470	Lip Seal	19 34 1
21-8120	Diff. Adjust. Shim. .030	15 38A/R	28-3480	Bearing - Needle	19 33 1
21-8180	Bearing - Tapered Roller	16 3 2	28-3520	O-Ring	19 31 1
21-8270	Pin - Dowel	14 4 2	28-3530	Screw - Cap Hex. Hd.	19 30 2
21-8360	Clip - Retaining	16 10 2	28-3570	O-Ring	19 21 2
21-9260	Cover - Dust	5 39 1	28-3580	Ring - Backup	19 20 2
21-9370	Adjusting Screw	16 7 2	28-3590	O-Ring	19 19 2
21-9380	Nut - Pivot	16 8 2	28-3640	Shaft - Pump	19 12 1
21-9390	Socket - Adjusting Screw	16 6 2	28-3650	Bearing - Ball	19 10 1
21-9420	Spring - Shoe Return L.H.	16 17 2	28-3660	Lip Seal	19 9 1
21-9430	Spring - Shoe Return R.H.	16 18 2	28-3670	Shaft - Trunnion	19 8 1
21-9440	Screw - Spring Adjusting	16 14 2	28-5220	Wheel - Friction	7 5 1
21-9450	Dust Shield	16 4 2	28-8070	Lanyard	23 66 1
21-9460	Retainer - Parking Brake	16 15 4	29-4730	Washer - PTO	8 16 1
23-2270	Bushing - Rubber	17 3 1	29-6150	Spring - Leaf	21 22 1
23-2300	Oil Filter	17 27 1	29-6162	Micro Switch	21 7 1
23-7270	Nut - Lug	13 20 10	29-6170	Spring - Extended Leaf	21 5 1
24-8790	Gear - Bevel, Differential	14 9 2	29-9790	Pump - Lever	21 2 1
24-8840	Ring - Wheel Bearing	16 22 2	36-7290	Shaft w/Bearing	27 5 1
24-9180	Strut/Lever - Parking Brake	16 19 2	37-9590	Spring - Compression	22 44 1
25-2380	Plate - Thrust	19 15 2	38-2670	Kit - Charge Pump	19 37 1
25-2430	Pin	19 46 2	38-2680	Pin	19 32 1
25-2460	Hex Hd. Plug	19 23 2	42-7080	Cap - Sealing	30 22 2
25-2470	Shim Pack	19 25A/R	42-7190	Bushing - Knock	30 30 2
25-2480	Relief Valve Spring Chg.	19 44 1	42-7210	Plug - Taper	35 13 1
25-2500	Shaft - Trunnion	19 2 1	42-7290	Gasket - Plug, Drain	35 19 1
25-2510	Washer	19 3 2	42-7290	Gasket - Plug, Oil Drain	34 22 1
25-3210	Lip Seal	19 7 2	42-7510	Pipe	31 11 1
25-3300	Bearing - Needle	19 18 2	42-7840	Key - Sunk	33 4 1
27-2360	Switch - Ignition	3 7 1	42-7860	Lock - Retainer	33 20 12
27-3680	Spacer - Mounting	17 5 4	42-7870	Seal - Valve Stem	33 24 6
27-3690	Gasket - Transmission	17 38 1	42-8690	Metal - Sealing	38 7 1
27-4240	Pin - Cylinder	10 30 2	42-8700	Wire	38 8 1
27-4310	Pin - Pivot	13 25 2	42-8830	O-Ring	38 23 1
27-4370	Hub - Pump	17 10 1	42-9070	Pulley - Fan	27 2 1
27-6590	Spacer	17 22 2	42-9110	Gasket	31 27 1

*Not Illustrated

TORO PART NUMBER INDEX

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
3-3251	Spring	5 12 1	27-7110	Element Assembly	22 33 1
3-4324	Washer	29 38 1	27-7120	Nut & Gasket Assembly	22 34 1
3-6624	Spring	29 27 1	27-7130	Clamp Assembly	22 36 1
3-6657	Clip - Skid	28 33 1	27-7140	Skirt - Baffle	22 35 1
3-7243	Spring - Return	5 20 2	27-7150	Cup Assembly	22 37 1
4-2390	Washer	29 28 1	27-7160	Decal - Instructions	22 24 1
5-0652	Spacer	17 30 1	27-7170	Mounting Band Assembly	22 31 2
5-3637	Washer - Flat	28 38 1	27-7180	Cap Assembly	22 20 1
5-7570	Washer	7 6 2	27-7310	Decal - Over Fill Caution	1 16 1
7-3900	Foot Pad - Brake	5 28 2	27-9620	Screw - Cap Hex. Hd.	17 29 1
10-8110	Washer	25 10 5	28-0660	Screw - Cap Hex. Hd.	16 21 8
12-5450	Screw - Thread Forming	14 15 8	28-0670	Oil Seal	16 13 2
14-7149	Hood Assembly	1 1 1	28-0680	Brake Drum	16 11 2
18-1520	Filter - Fuel	22 17 1	28-1280	Boot - Pos. Cable	9 63 1
21-0141	Joint - Ball R.H.	25 34 2	28-3300	Bearing - Roller	19 4 1
21-0151	Joint - Ball L.H.	25 30 2	28-3310	Bearing - Needle	19 5 2
21-7670	Differential Case	14 6 1	28-3340	Gasket	19 49 1
21-7690	Gear - Pinion	14 10 2	28-3350	Pin	19 48 2
21-7700	Shaft - Pinion Mate	14 7 1	28-3380	Plate - Motor Valve	19 45 1
21-7720	Washer - Thrust	14 8 2	28-3400	O-Ring	19 24 2
21-7730	Washer - Thrust	14 11 2	28-3420	Relief Valve Cone Chg.	19 27 2
21-7770	Screw - Drive Gear	14 5 5	28-3440	Threaded Plug	19 42 2
21-7830	Cover - Gear	14 16 1	28-3450	Washer - Flat	19 36 2
21-7850	Cap Plug	14 27 1	28-3470	Lip Seal	19 34 1
21-8020	Spacer - Frt. Pinion Bearing	15 29 1	28-3480	Bearing - Needle	19 33 1
21-8090	Diff. Adjust. Shim. .003	15 35 A/R	28-3520	O-Ring	19 31 1
21-8100	Diff. Adjust. Shim. .005	15 36 A/R	28-3530	Screw - Cap Hex. Hd.	19 30 2
21-8110	Diff. Adjust. Shim. .010	15 37 A/R	28-3570	O-Ring	19 21 2
21-8120	Diff. Adjust. Shim. .030	15 38 A/R	28-3580	Ring - Backup	19 20 2
21-8180	Bearing - Tapered Roller	16 3 2	28-3590	O-Ring	19 19 2
21-8270	Pin - Dowel	14 4 2	28-3640	Shaft - Pump	19 12 1
21-8360	Clip - Retaining	16 10 2	28-3650	Bearing - Ball	19 10 1
21-9260	Cover - Dust	5 39 1	28-3660	Lip Seal	19 9 1
21-9370	Adjusting Screw	16 7 2	28-3670	Shaft - Trunnion	19 8 1
21-9380	Nut - Pivot	16 8 2	28-5220	Wheel - Friction	7 5 1
21-9390	Socket - Adjusting Screw	16 6 2	28-8070	Lanyard	23 66 1
21-9420	Spring - Shoe Return L.H.	16 17 2	29-4730	Washer - PTO	8 16 1
21-9430	Spring - Shoe Return R.H.	16 18 2	29-6150	Spring - Leaf	21 22 1
21-9440	Screw - Spring Adjusting	16 14 2	29-6162	Micro Switch	21 7 1
21-9450	Dust Shield	16 4 2	29-6170	Spring - Extended Leaf	21 5 1
21-9460	Retainer - Parking Brake	16 15 4	29-9790	Pump - Lever	21 2 1
23-2270	Bushing - Rubber	17 3 1	36-7290	Shaft w/Bearing	28 5 1
23-2300	Oil Filter	17 27 1	37-9590	Spring - Compression	22 44 1
23-7270	Nut - Lug	13 20 10	38-2670	Kit - Charge Pump	19 37 1
24-8790	Gear - Bevel, Differential	14 9 2	38-2680	Pin	19 32 1
24-8840	Ring - Wheel Bearing	16 22 2	42-7080	Cap - Sealing	31 22 2
24-9180	Strut/Lever - Parking Brake	16 19 2	42-7190	Bushing - Knock	31 30 2
25-2380	Plate - Thrust	19 15 2	42-7210	Plug - Taper	36 13 1
25-2430	Pin	19 46 2	42-7290	Gasket - Drain Plug	36 19 1
25-2460	Hex Hd. Plug	19 23 2	42-7290	Gasket - Oil Drain Plug	35 22 1
25-2470	Shim Pack	19 25 A/R	42-7510	Pipe	32 11 1
25-2480	Relief Valve Spring Chg.	19 44 1	42-7840	Key - Sunk	34 4 1
25-2500	Shaft - Trunnion	19 2 1	42-7860	Lock - Retainer	34 20 12
25-2510	Washer	19 3 2	42-7870	Seal - Valve Stem	34 24 6
25-3210	Lip Seal	19 7 2	42-8690	Metal - Sealing	39 7 1
25-3300	Bearing - Needle	19 18 2	42-8700	Wire	39 8 1
27-2360	Ignition Switch Assembly	3 7 1	42-8830	O-Ring	39 23 1
27-3680	Spacer - Mounting	17 5 4	42-9070	Pulley - Fan	28 2 1
27-3690	Gasket - Transmission	17 38 1	42-9110	Gasket	32 27 1
27-4240	Pin - Cylinder	10 30 2	42-9260	Plug - Oil Drain	35 23 1
27-4370	Hub - Pump	17 10 1	42-9420	Bolt - Speed Set	39 9 1
27-6590	Spacer	17 22 2	42-9430	Bolt w/Washer	39 28 3
27-6600	Spacer - Rubber	17 15 6	42-9440	Bolt w/Washer	39 3 4
27-6851	Shaft - Flanged Axle R.H.	16 * 1	42-9440	Bolt w/Washer	41 3 1
27-6861	Shaft - Flanged Axle L.H.	16 1 1	42-9440	Bolt w/Washer	36 7 7
27-7100	Air Cleaner Assembly	22 25 1	42-9440	Bolt w/Washer	36 12 4

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Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
42-9490	Bolt w/Washer	34 1 1	46-2413	Shim Front Pinion Bearing	15 * A/R
42-9490	Bolt w/Washer	37 1 4	46-2414	Shim Front Pinion Bearing	15 * A/R
42-9490	Bolt w/Washer	35 21 18	46-2415	Shim Front Pinion Bearing	15 * A/R
42-9510	Bolt	34 13 1	46-2416	Shim Front Pinion Bearing	15 * A/R
42-9560	Stud	31 7 1	46-2420	Shim Front Pinion Bearing	15 * A/R
42-9570	Stud	32 26 4	46-2421	Shim Front Pinion Bearing	15 A/R
42-9590	Nut - Connecting Rod	35 24 6	46-2422	Shim Front Pinion Bearing	15 * A/R
42-9640	Nut - Jam	39 17 1	46-2423	Shim Front Pinion Bearing	15 * A/R
42-9640	Nut - Jam	39 26 1	46-2424	Shim Front Pinion Bearing	15 *28 A/R
42-9650	Nut - Jam	31 27 1	46-2425	Shim Front Pinion Bearing	15 * A/R
42-9660	Washer - Flat	34 11 3	46-2426	Shim Front Pinion Bearing	15 * A/R
42-9660	Washer - Flat	38 11 1	46-6550	Connector - 90°	13 41 1
42-9660	Washer - Flat	41 14 1	46-6560	Bushing	13 40 1
42-9850	Washer - Lock	29 4 4	46-6810	Screw - Cap Hex. Hd.	1 26 13
42-9850	Washer - Lock	17 19 2	46-7310	Relief Valve Spring Imp.	19 26 1
42-9850	Washer - Lock	28 41 2	46-7320	Plate - Pump Valve	19 17 1
43-0370	Shim	41 25 5	46-8091	Screw - Cap Hex. Hd.	2 43 2
43-0510	Spring - Brush	41 18 2	46-8810	Stop - Leaf Spring	21 9 1
43-1910	Fan - Cooling	28 1 1	48-1800	Kit - Cylinder Block	19 16 2
43-1920	Nut - Set	41 1 1	48-7930	Nut - Hex	29 5 4
43-2550	Filter	23 82 1	48-9460	Screw	29 45 1
43-2560	Gasket	23 83 1	48-9460	Screw - Cap Hex. Hd.	17 20 2
43-2570	Gasket	23 81 1	48-9590	Washer - Lock	29 12 10
43-2580	Magnet	23 84 1	48-9590	Washer - Lock	28 15 8
43-2710	O-Ring	31 4 1	49-7820	Variable Swashplate	19 13 1
43-2710	O-Ring	37 6 2	49-7830	Check Valve Assembly	19 22 2
43-4031	Cable - Battery Pos.	9 62 1	49-8200	Shaft - Motor	19 47 1
43-4031	Wire - Positive	4 1 1	51-3150	Shim	21 24 1
43-5320	Pulley - PTO	8 17 1	52-1570	Bolt Set	40 9 1
43-5920	Washer - Lock	28 39 1	52-2340	Spacer	28 31 1
43-5970	Nut - Hex.	28 40 1	52-8890	Bracket - Mounting	21 16 2
43-6550	Ring - Retaining	14 26 1	52-9070	Plate - Pump	21 17 1
43-6710	Shim Adjusting Differential	14 18 A/R	53-4430	Decal - Oil	2 34 1
43-6711	Shim Adjusting Differential	14 19 A/R	53-8130	Gasket - Exhaust	29 2 1
43-6712	Shim Adjusting Differential	14 20 A/R	53-8150	Pump - Fuel	22 40 1
43-6713	Shim Adjusting Differential	14 21 A/R	53-8680	Hub - Fan	28 3 1
43-6750	Cup - Tapered, Bearing	15 31 1	54-7950	Drive Shaft Assembly	9 * 1
43-6760	Cone - Bearing, Tapered	14 13 1	54-8660	Washer - Flat	41 4 1
43-6800	Nut - Lock, Flange Hd.	16 12 8	54-9040	Yoke - End	8 32 1
43-6810	Torque Spider	16 5 2	54-9050	Shaft - Slip Yoke	8 31 1
43-8600	Spring - Compression	23 54 1	54-9090	Yoke - End	8 28 1
43-8610	Guide - Spring & Ball Seat	23 59 1	54-9170	Tube - Slip Yoke	8 29 1
43-8620	Guide - Switch Pin	23 63 1	54-9180	Kit - Universal Joint	8 35 2
43-8860	Plunger - Switch	23 60 1	56-0020	Cap - Expansion	31 3 3
43-8870	Boot - Switch	23 65 1	56-0020	Plug - Expansion	32 22 1
43-9071	Seat Switch Assembly	23 * 1	56-0480	Key - Woodruff	34 6 1
44-2230	Coupling - Rubber	17 16 2	56-0480	Key - Woodruff	35 25 2
44-8320	Spring	30 10 3	56-1060	Ring - Retaining	34 31 1
44-8530	Sock - Hose	5 47 1	56-1510	Screw - Set	40 3 2
46-2210	Shim Front Pinion Bearing	14 28 A/R	56-1580	Armature Set	40 20 1
46-2211	Shim Front Pinion Bearing	14 * A/R	56-1590	Bearing - Front	40 21 1
46-2212	Shim Front Pinion Bearing	14 * A/R	56-1600	Bearing - Rear	40 19 1
46-2213	Shim Front Pinion Bearing	14 * A/R	56-1640	Stopper Set	40 1 1
46-2214	Shim Front Pinion Bearing	14 * A/R	56-1670	Gear	40 11 1
46-2215	Shim Front Pinion Bearing	14 * A/R	56-1680	Cover Set	40 10 1
46-2216	Shim Front Pinion Bearing	14 * A/R	56-1700	Holder Assembly	40 16 1
46-2220	Shim Front Pinion Bearing	14 * A/R	56-1710	Spring - Brush	40 17 4
46-2221	Shim Front Pinion Bearing	14 * A/R	56-1720	Rear Bracket Assembly	40 15 1
46-2222	Shim Front Pinion Bearing	14 * A/R	56-2460	Washer - Flat	25 48 A/R
46-2223	Shim Front Pinion Bearing	14 * A/R	56-5610	Bolt	40 14 2
46-2224	Shim Front Pinion Bearing	14 * A/R	57-6390	Nut - Hex.	28 42 2
46-2225	Shim Front Pinion Bearing	15 *28 A/R	58-6320	Wiper - Seal	11 1 1
46-2226	Shim Front Pinion Bearing	15 * A/R	58-6400	Bushing	11 5 1
46-2410	Shim Front Pinion Bearing	15 * A/R	58-6420	Cap Assembly	11 8 1
46-2411	Shim Front Pinion Bearing	15 A/R	58-6450	O-Ring	11 2 2
46-2412	Shim Front Pinion Bearing	15 * A/R	58-6460	Ring - Retaining	11 9 1

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Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
59-9740	Flex. Draw Latch Assembly	2 47 1	63-8410	Washer - Flat	9 70 4
62-5550	Decal - TORO	2 37 1	63-9750	Mount	9 69 2
62-7020	Wheel & Tire Assembly	13 * 2	65-2740	Spacer	11 10 1
62-7400	Decal - Toro	17 18 1	65-2750	Plunger	11 11 1
62-7650	Gasket	13 38 1	65-2760	Spring	11 12 1
63-6010	Hose - Upper	12 18 1	65-2770	Washer	11 6 1
63-6020	Hose - Lower	12 22 1	65-2930	Plug Assembly	11 13 1
63-6030	Hub - Clutch	29 32 1	65-2950	Spring	11 7 1
63-6050	Clutch - Electric	29 40 1	65-5100	Handle - Hood	1 2 1
63-6150	Radiator Assembly	12 27 1	66-1930	Nut - Lock	27 6 1
63-6180	Brake Pedal Assy. L.H.	5 26 1	66-1940	Piston	27 5 1
63-6190	Brake Pedal Assy. R.H.	5 29 1	66-2320	Mount - Engine	28 19 1
63-6210	Pin - Brake	5 22 1	66-2330	Base - Battery	8 6 1
63-6240	Belt - PTO	8 18 1	66-2360	Support - Muffler	29 6 2
63-6250	Shaft - Tension, PTO	29 34 1	66-2440	Plate - Reservoir	28 10 1
63-6290	Pin - Tension	29 26 1	66-2451	Bracket - Air Cleaner	22 29 2
63-6410	Rod - Pump Control	7 15 1	66-2470	Plate - Tower	2 41 1
63-6410	Tube - Traction Control	17 1 1	66-2490	Clamp - Battery Retainer	8 5 1
63-6430	Frame - Rear	25 3 1	66-2590	Pin - Seat Spring	22 43 1
63-6440	Shield - Radiator	12 28 1	66-2630	Latch - Seat	22 14 1
63-6510	Shroud - Fan	12 19 1	66-2670	Bracket - Throttle	9 57 1
63-6610	Drive Shaft	17 17 1	66-2720	Lever - Lift	10 4 1
63-6630	Cylinder - Lift	10 31 2	66-2770	Tube - Cylinder	27 1 1
63-6690	Lever - Anchor, Clutch	29 42 1	66-2800	Rod - Seat Support	22 10 1
63-6700	Bracket	29 10 1	66-2870	Cable - Hood Stop	2 45 1
63-6720	Lever - Idler	28 24 1	66-2870	Cable - Stop, Hood	29 8 1
63-6750	Link - Brake Cable	5 19 2	66-2900	End - Tie Rod	29 20 1
63-6760	Swivel - Cable, Throttle	28 14 1	66-2910	Bumper - Rubber	29 17 2
63-6760	Throttle Cable Swivel Assy.	9 * 1	66-2920	Washer - Friction	9 53 2
63-6770	Pin - Rear Axle	25 7 1	66-2940	Gage - Fuel	3 6 1
63-6880	Rod - Tie	25 32 2	66-2950	Meter - Hour	3 14 1
63-6890	Plate - Hinge R.H.	2 42 1	66-2960	Cluster - Warning Light	3 5 1
63-6900	Plate Hinge - L.H.	1 10 1	66-2990	Cap - Spindle	25 14 2
63-7030	Screen - Hood	1 3 1	66-3040	Cover - Tool Box	1 14 1
63-7140	Mount - Shock (Blue)	8 43 3	66-3050	Strip - Magnetic	1 15 1
63-7141	Mount - Shock (Red)	8 8 1	66-3060	Dipstick - Differential	13 36 1
63-7170	Anchor - Transmission	17 41 1	66-3100	Screw	29 29 1
63-7300	Fender - R.H.	2 39 1	66-3110	Hyd. Fitting	17 9 2
63-7310	Fender L.H.	1 20 1	66-3130	Fitting - Hydraulic Tee	10 12 1
63-7320	Cover - Tower Rear	1 32 1	66-3200	Tread - Foot Rest L.H.	1 29 1
63-7340	Wire - Ground	8 1 1	66-3210	Tread - Foot L.H.	1 30 1
63-7340	Wire - Ground	4 2 1	66-3240	Cap - Radiator	12 6 1
63-7380	Tank - Expansion	28 11 1	66-8110	Trim - Hood	1 8 1
63-7400	Washer - Rebound	8 42 4	66-8140	Hose	20 11 1
63-7410	Bracket - Bulkhead	10 37 1	66-8140	Hose	5 31 1
63-7430	Gage - Temperature	3 15 1	66-8150	Hose	20 6 1
63-7590	Relay	22 47 1	66-8150	Hose - Hydraulic	10 14 1
63-7630	Hose	13 4 1	66-8170	Hose	20 12 2
63-7640	Sender - Fuel	13 3 1	66-8170	Hose - Hydraulic	5 37 2
63-7700	Screen Frame Assembly	12 1 1	66-8180	Hose	20 5 1
63-7710	Magnetic Strip	12 2 1	66-8180	Hose Assembly	12 10 1
63-7730	Cable - Brake R.H.	5 16 1	66-8190	Hose	20 3 1
63-7731	Cable - Brake L.H.	5 * 1	66-8190	Hydraulic Hose Assembly	10 25 1
63-7790	Screw	29 13 10	66-8490	Hose	20 10 1
63-7790	Screw	28 16 8	66-8490	Hose Assembly	17 23 1
63-7880	Pin - Brake Latch	5 23 1	66-8500	Hose	20 8 1
63-7900	Rack - Brake	5 15 1	66-8500	Hose	10 15 1
63-7910	Rod - Brake Latch	5 9 1	66-8500	Hose Assembly	12 31 1
63-7960	Lift Valve Assembly	11 * 1	66-8620	Tube	20 9 1
63-7960	Valve - Lift	10 6 1	66-8620	Tube Hydraulic (Pump-Str.)	5 33 1
63-8050	Box - Control	2 40 1	66-8630	Tube	20 7 1
63-8090	Assembly - Lower Housing	14 1 1	66-8630	Tube - Hydraulic (Str.-Lift)	5 32 1
63-8140	Pulley	28 28 1	66-8640	Hose	20 4 1
63-8150	Key	29 41 1	66-8640	Hydraulic Hose Assembly	10 33 1
63-8230	Angle - Anchor, Clutch	29 16 2	66-8670	Decal - Hood R.H.	1 * 1
63-8360	Key - Ignition	3 10 1	66-8680	Decal - Hood L.H.	1 7 1

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Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
66-8690	Lamp Harness Assembly	4	4	1	67-2760	Gasket - Rocker Arm Cover	32	18	1
66-8750	Decal - Control Levers	23	56	1	67-2770	Nut - Cap	32	14	2
66-8760	Decal - Tower L.H.	2	33	1	67-2780	Washer - Flat	32	15	2
66-9970	Spring Kit	6	*	1	67-2790	Ring Set - Piston, Std.	35	11	3
66-9980	Seal Kit	6	*	1	67-2800	Ring Set - Piston, 0.25 OS	35	*	3
66-9990	Needle Roller Kit	6	*	1	67-2810	Ring Set - Piston, 0.50 OS	35	*	3
67-1631	Spacer	29	30	1	67-2850	Connecting Rod Assembly	35	8	34
67-1690	Fitting	23	68	2	67-2860	Bolt - Connecting Rod	35	9	6
67-1710	Decal - Interlock	22	48	1	67-2880	Bearing Set	35	7	3
67-1720	Decal - Caution	1	27	2	67-2890	Bearing Set	35	*	3
67-1750	Bushing	25	9	6	67-2900	Bearing Set	35	*	3
67-1800	Plate - Pivot	29	37	1	67-2910	Gear - Crankshaft	35	5	1
67-1900	Screw - Cap Hex. Hd.	17	43	1	67-2930	Pulley - Crankshaft	35	4	1
67-2200	Gasket - Oil Pan	35	18	1	67-2940	Nut - Jam	35	1	1
67-2200	Slide - Seal	35	17	4	67-2950	Washer - Flat	35	3	1
67-2230	Seal - Oil	31	19	1	67-2960	Washer - Spring	35	2	1
67-2250	Bolt - Bearing Cap	35	19	1	67-2970	Flywheel Assembly	35	13	1
67-2260	Shaft - Idler	31	29	1	67-2980	Gear - Ring	35	14	1
67-2270	Case - Oil Seal	31	18	1	67-2990	Bolt - Flywheel	35	12	4
67-2280	Gasket - Case	31	20	1	67-3000	Washer - Camshaft Stopper	34	2	1
67-2310	Plate - Front	36	5	1	67-3010	Camshaft	34	28	1
67-2320	Gasket - Front Plate	36	6	1	67-3020	Gear - Camshaft	34	29	1
67-2330	Bolt	37	4	6	67-3030	Bearing - Ball	34	3	2
67-2330	Bolt	31	17	6	67-3040	Spacer	34	30	1
67-2330	Bolt	32	41	2	67-3070	Gear - Fuel Injection Pump	34	33	1
67-2340	Bolt w/Washer	36	4	3	67-3090	Idler Gear Assembly	34	32	1
67-2340	Bolt w/Washer	32	25	2	67-3100	Retainer - Valve Spring	34	21	6
67-2350	Plug - Expansion	31	21	1	67-3110	Spring - Valve	34	23	6
67-2360	Bushing - Knock	31	24	2	67-3120	Tappet	34	25	6
67-2370	Bushing - Knock	31	28	1	67-3130	Valve - Intake	34	27	3
67-2380	Bushing - Knock	31	23	3	67-3140	Valve - Exhaust	34	26	3
67-2390	Plug - Taper	31	8	1	67-3150	Rod - Push	34	22	6
67-2400	Bearing Set Crankshaft Std.	35	15	1	67-3160	Arm - Rocker	34	15	6
67-2410	Bearing Set Crankshaft 0.25	35	*	1	67-3170	Spring - Rocker Shaft	34	14	2
67-2420	Bearing Set Crankshaft 0.50	35	*	1	67-3180	Cap - Valve Stem	34	19	6
67-2430	Bracket - Starter	31	10	1	67-3190	Rocker Shaft Assembly	34	10	1
67-2440	Bolt w/Washer	31	11	3	67-3200	Stay - Rocker	34	7	3
67-2470	Oil Pan Assembly	35	20	1	67-3210	Screw - Adjusting	34	18	6
67-2500	Plunger - Relief	36	17	1	67-3220	Pin - Grooved	34	9	1
67-2510	Spring - Relief	36	18	1	67-3230	Nut - Jam	34	17	6
67-2520	Plug	36	20	1	67-3240	Ring - Retaining	34	8	2
67-2530	Gear - Inner, Oil Pump	36	11	1	67-3250	Bolt - Rocker Stay	34	16	2
67-2540	Gear - Outer, Oil Pump	36	10	1	67-3260	Washer - Lock	41	13	1
67-2550	Housing - Oil Pump	36	9	1	67-3260	Washer - Spring	38	10	1
67-2560	Bolt w/Washer	36	8	3	67-3260	Washer - Spring	34	12	3
67-2570	Plug - Taper	36	22	1	67-3260	Washer - Spring	39	16	1
67-2570	Plug - Taper	32	23	1	67-3260	Washer - Spring	39	25	1
67-2580	Gasket - Gear Case	36	2	1	67-3990	Speed Cont. Lever Assy.	39	18	1
67-2590	Seal - Oil	36	16	1	67-4000	Pin - Grooved	39	19	2
67-2600	Bolt	36	14	3	67-4050	Shaft - Governor	39	32	1
67-2600	Bolt	37	21	1	67-4120	Pin - Grooved	39	13	1
67-2610	Bolt	36	15	4	67-4160	Gasket - Cover, Governor	39	22	1
67-2610	Bolt	37	27	2	67-4180	Nut	38	9	1
67-2620	Bolt	36	21	1	67-4230	Cover - Governor	39	21	1
67-2620	Bolt	32	43	1	67-4250	Cover - Tie Rod	39	2	1
67-2630	O-Ring	36	3	2	67-4270	Bolt	39	20	4
67-2640	Cap - Sealing	36	23	1	67-4290	Nut	32	6	2
67-2650	Oil Filter Cap Assembly	36	25	1	67-4290	Nut	39	10	1
67-2660	O-Ring	36	24	1	67-4300	Ring - Retaining	32	8	2
67-2680	Hanger - Engine	32	24	2	67-4310	Gasket - Cover, Tie Rod	39	1	1
67-2700	Guide - Valve	32	19	6	67-4330	Oil Filter Assembly	31	31	1
67-2710	Cap - Sealing	32	21	3	67-4340	Oil Screen Assembly	31	26	1
67-2710	Cap - Sealing	32	39	1	67-4350	Switch - Oil Pressure	37	26	1
67-2720	Gasket - Cylinder Head	32	33	1	67-4360	Pulley - Water Pump	37	2	1
67-2730	Bolt - Cylinder Head	32	36	8	67-4380	Water Pump Assembly	37	22	1
67-2740	Bolt - Flange	32	20	3	67-4390	Gasket - Water Pump	37	23	1

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Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
67-4400	Bolt	37 20 1	71-1450	Bracket	28 23 1
67-4400	Bolt	32 46 1	71-1460	Bracket - Clamp	28 49 1
67-4410	V-Belt	37 28 1	71-1520	Cap - Reservoir	28 44 1
67-4420	Fitting - Water Outlet	37 13 1	71-1520	Reservoir Cap Assembly	37 25 1
67-4430	Gasket - Fitting, Water Out.	37 12 1	71-1540	Tube - Vent	12 20 1
67-4440	Thermostat	37 11 1	71-2890	Control - Choke	3 11 1
67-4450	Fitting - Thermostat	37 5 1	71-2901	Chamber - Induction	28 50 1
67-4460	Gasket - Fitting, Thermostat	37 19 1	71-2910	Angle - Mount, Engine	28 17 1
67-4470	Bolt	37 3 1	71-2980	Bracket - Coil	28 30 1
67-4490	Gasket - Switch	37 17 1	71-3380	Hose	22 42 1
67-4500	Switch - Temp. Shut-Down	37 18 1	71-3380	Hose - Fuel	13 37 1
67-4510	Gauge - Water Temperature	37 10 1	71-3381	Hose	22 19 1
67-4550	Gasket - Intake Manifold	32 37 1	71-3382	Hose - Fuel	22 50 1
67-4560	Manifold - Exhaust	32 28 1	71-3384	Hose	12 9 1
67-4570	Gasket - Exhaust Manifold	32 34 1	71-3390	Decal - GM 224	1 5 2
67-4580	Bolt	32 29 2	71-3470	Hose - Air Cleaner Inlet	22 21 1
67-4590	Bolt	32 31 4	71-3490	Panel - Control	3 1 1
67-4600	Starter Assembly	40 * 1	71-3500	Lever - Throttle	9 55 1
67-4620	Spacer	41 24 1	71-3520	Decal - Service	1 18 1
67-4630	Alternator Assembly	41 * 1	71-3530	Hose - Carburetor	28 53 1
67-4640	Bolt	41 22 1	71-3730	Decal - Gas	22 16 1
67-4660	Bolt - Flange	41 2 1	71-4540	Washer - Thrust	25 2 1
67-4670	Nut	41 12 1	72-4320	Switch	23 57 1
67-4710	Front Bracket Assembly	40 4 1	72-6000	Cylinder Block Assembly	31 * 1
67-4720	Lever Assembly	40 5 1	72-6010	Sleeve	31 9 1
67-4730	Spring Set	40 6 1	72-6030	Bracket - Oil Filter	31 34 1
67-4740	Center Bracket Assembly	40 7 1	72-6040	Gasket - Oil Filter Bracket	31 33 1
67-4750	Switch Assembly	40 8 1	72-6050	Cylinder Head Assembly	32 35 1
67-4760	Clutch Shaft Assembly	40 * 1	72-6070	Separator - Oil	32 17 1
67-4770	Pinion Set	40 2 1	72-6090	Intake Cover Assembly	32 40 1
67-4780	Gear Set	40 * 1	72-6110	Joint	32 38 1
67-4790	Shaft Assembly	40 12 1	72-6120	Joint	32 42 1
67-4800	Yoke Assembly	40 18 1	72-6130	Cover - Distributor	32 48 1
67-4810	Pulley Set	41 23 1	72-6140	Cover - Alternator	32 32 1
67-4820	Bolt Set	41 5 1	72-6150	Stud	32 44 2
67-4830	Front Bracket Assembly	41 9 1	72-6160	Piston & Pin Set. Std.	35 10 3
67-4840	Screw Set	41 7 1	72-6170	Piston & Pin Set 0.25 OS	35 * 3
67-4850	Bearing - Front	41 8 1	72-6180	Piston & Pin Set 0.50 OS	35 * 3
67-4860	Rotor Assembly	41 10 1	72-6190	High Tension Cable Assy.	38 7 1
67-4870	Bearing - Rear	41 11 1	72-6200	Shaft - Distributor	34 5 1
67-4880	Stator Assembly	41 21 1	72-6210	Washer	32 7 2
67-4890	Rear Bracket Assembly	41 15 1	72-6220	Rod - Link	32 2 1
67-4900	Terminal Set	41 20 1	72-6230	Gasket - Intake Pipe	32 3 1
67-4910	Regulator Assembly	41 17 1	72-6240	Gasket - Carburetor	32 45 1
67-4920	Brush	41 19 2	72-6250	Pipe - Intake	32 4 1
67-4930	Rectifier Assembly	41 16 1	72-6260	Carburetor Assembly	32 1 1
67-7050	Field Rotor Assembly	30 1 1	72-6260	Carburetor Assembly	33 33 1
67-7060	Ring - Retaining	30 8 1	72-6270	Screw	33 8 2
67-7070	Arm. & Pulley Assembly	30 5 1	72-6280	Valve - Throttle	33 7 1
67-7080	Collar - Bearing	30 6 1	72-6290	Throttle Shaft Assembly	33 9 1
67-7090	Bearing - Pulley	30 7 1	72-6300	Spring	33 6 1
67-7100	Plate - Brake	30 11 1	72-6310	Ring	33 5 1
67-7120	Link - Fusible	4 5 1	72-6320	Seal	33 4 1
67-7160	Fuse Block	22 1 1	72-6330	Screw	33 10 2
67-7250	Spacer Cyl.	25 39 1	72-6340	Valve - Choke	33 13 1
67-7300	Screw Hex Hd.	25 36 1	72-6350	Choke Lever Assembly	33 12 1
67-7380	Reservoir Tank Assembly	37 24 1	72-6360	Bolt	33 11 1
67-9410	Washer - Flat	25 52 1	72-6370	Ring	33 14 1
68-5140	Steering Wheel Cap Assy.	5 7 1	72-6380	Ring	33 15 1
68-5370	Decal - Toro	5 40 1	72-6390	Spring	33 16 1
68-7380	Connector Assembly	4 10 1	72-6400	Cap	33 17 1
68-9960	Engine	28 18 1	72-6410	Seal	33 18 1
69-4780	Clamp - Gauge	3 18 1	72-6420	Jet - Pilot (40)	33 3 1
70-7530	Spring - Compression	10 3 1	72-6430	Nozzle - Main	33 31 1
70-8630	Cap - Fuel	13 8 1	72-6440	Nozzle	33 30 1
70-8880	Guide - Oil Level Gauge	31 2 1	72-6450	Needle Assembly	33 22 1

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72-6460	Clip	33 23 1	72-7160	Clip - Hose	32 10 2
72-6470	Float Assembly	33 24 1	72-7170	Pipe - Air Breather	32 9 1
72-6480	Pin	33 19 1	72-9420	Assembly - Vent	15 40 1
72-6490	Jet - Main Air (2.0)	33 20 1	74-0720	Tube - Manual	24 1 1
72-6500	Jet - Pilot Air (1.2)	33 34 1	75-0560	Steering Wheel Assembly	5 6 1
72-6510	Gasket	33 21 1	75-4920	Gear Case Sub Assembly	36 1 1
72-6520	Float Body Assembly	33 25 1	75-4940	Brace	41 6 1
72-6530	Gasket	33 29 1	75-6880	Screen - Spark Arrester	29 * 1
72-6540	Bolt	33 28 1	76-1000	Cable - Throttle	9 59 1
72-6550	Stop - Spring	33 26 1	76-2070	Cylinder - Steering	25 40 1
72-6560	Screw	33 27 1	76-2080	Assembly - Piston Rod	27 4 1
72-6570	Spring	33 2 2	76-2090	Kit - Seal	27 2 1
72-6580	Adjuster Assembly	33 1 1	76-2790	Gland	27 3 1
72-6590	Clip - Spring	33 37 1	76-2970	Bushing	26 55 2
72-6600	Hose	33 35 1	76-2980	Washer - Thrust	26 54 1
72-6610	Screw	33 36 1	76-3000	Axle Assembly	25 37 1
72-6620	Plug	39 35 1	76-3080	Lift Arm - R.H.	13 * 1
72-6630	Lever - Spring, Governor	39 24 1	76-3090	Lift Arm - L.H.	13 30 1
72-6640	Governor Lever Assembly	39 31 1	76-4510	Spindle - Wheel L.H.	25 17 1
72-6650	Jet - Main	33 32 1	76-4520	Spindle - Wheel R.H.	25 35 1
72-6660	O-Ring	39 11 1	76-4790	Pad - Rubber	1 11 1
72-6670	Bushing	39 12 1	76-4810	Steering Pivot Assembly	25 28 1
72-6690	Inner Lever Assembly	39 27 1	76-4830	Rod - Tie	10 18 1
72-6700	Lever - Throttle	39 15 1	76-4860	Muffler	29 3 1
72-6710	Seal - Dust	39 14 1	76-8750	Plate - Warning	12 12 1
72-6720	Governor Weight Assembly	39 29 1	77-0550	Tube - Fill	15 44 1
72-6730	Sliding Shaft Assembly	39 30 1	82-8530	Fitting	17 26 1
72-6740	Pipe - Bypass	37 7 1	82-8950	Foam	2 51 2
72-6750	Distributor Assembly	38 12 1	84-1940	Hub	28 7 1
72-6760	Cap Assembly	38 21 1	84-7580	Plate - Bushing Support	9 64 1
72-6770	Rotor Assembly	38 20 1	84-7660	Clamp - Column	5 44 1
72-6780	Gasket	38 19 1	84-7670	Foam - Column Support	5 43 2
72-6790	Cover	38 18 1	84-8600	Brake Shoe Set	16 16 1
72-6800	Igniter Set w/Screws	38 17 1	85-4980	PTO Switch Assembly	3 3 1
72-6810	Pick Up Set w/Screws	38 16 1	85-7550	Wire Harness Assembly	4 3 1
72-6820	Housing Set	38 14 1	85-7560	Plate - Control Panel	3 16 1
72-6830	O-Ring	38 13 1	86-7220	Gear - Spur	17 36 1
72-6840	Screw Set - Distributor	38 * 1	86-7230	Gear - Spur	14 17 1
72-6850	Lead Wire Set w/Screws	38 15 1	86-7930	Upper Housing Assembly	14 22 1
72-6860	Cover	39 5 1	86-9640	Axle Assembly	13 34 1
72-6870	Gasket - Cover	39 4 1	92-0845	Crankshaft	35 6 1
72-6880	Ignition Coil Assembly	38 8 1	92-0846	Rocker Arm Cover Assy.	32 16 1
72-6890	Cable Assembly	38 1 1	92-0847	Oil Fill Cap Assembly	32 12 1
72-6900	Cable Assembly	38 2 1	92-1773	Screw - Cap Hex. Hd.	14 14 4
72-6910	Cable Assembly	38 4 1	92-1774	Oil Seal	16 2 2
72-6920	Kit - Gasket	31 * 1	92-4848	Assembly - Gear & Pinion	15 * 1
72-6940	Joint - Water Drain	31 6 1	92-4909	Differential Carrier Assembly	15 * 1
72-6950	Retainer - Gauge Guide	31 5 1	92-5076	Adapter - Filter	17 45 1
72-6970	Gauge - Oil Level	31 1 1	92-5077	Bracket - Footrest	7 27 1
72-6980	Bolt	31 35 3	92-5082	Hose	20 1 2
72-6990	O-Ring	31 32 1	92-5082	Hose	17 35 2
72-7000	Washer - Lock	32 5 2	92-5083	Hose	20 2 1
72-7020	Cover - Starter	32 30 1	92-5083	Hose - Hydraulic	15 41 1
72-7030	Gasket	39 36 1	92-5083	Hose - Hydraulic	17 49 1
72-7040	Bushing	39 34 1	92-5085	Union Filter	17 32 1
72-7050	Spring - Governor	39 33 1	92-5086	Fitting - Hydraulic 45°	17 47 1
72-7070	Bolt w/Washer	39 6 4	92-5087	Seal - Adapter, Filter	17 33 1
72-7080	Clip - Hose	37 8 4	92-5088	Fitting - 45°	15 30 1
72-7090	Hose - Fuel	37 9 1	92-5092	Pedal - Traction	7 2 1
72-7100	Bolt	37 16 1	92-5512	Fitting - Hydraulic, Straight	18 52 2
72-7100	Bolt	32 47 2	92-5513	Transmission	17 6 1
72-7110	Clip	37 15 1	92-5514	Footrest	7 30 1
72-7120	Hose - Fuel	37 14 1	92-5534	Shaft - Traction Pedal	7 26 1
72-7130	Spark Plug Assy. (BP4ES)	38 6 3	92-5537	Pin - Pedal, Pivot	7 8 1
72-7140	Clip - Hose	38 5 1	92-5538	Pad - Traction Pedal Front	7 1 1
72-7150	Clamp - Emission Hose	38 3 1	92-5539	Pad - Traction Pedal Rear	7 3 1

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Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
92-5540	Tread - Foot R.H.	1 31 1	2411-36	End - Rod	7 18 1
92-5545	Cover - Tower Front	2 36 1	2412-4	R-Clamp	17 40 1
92-5548	Shield - Pedal Stop	2 53 1	2412-34	Clamp - Hose	12 17 4
92-5709	Housing	19 6 1	2412-34	Clamp - Hose	15 42 2
92-5716	Center Section	19 39 1	2412-36	Clamp	5 34 2
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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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