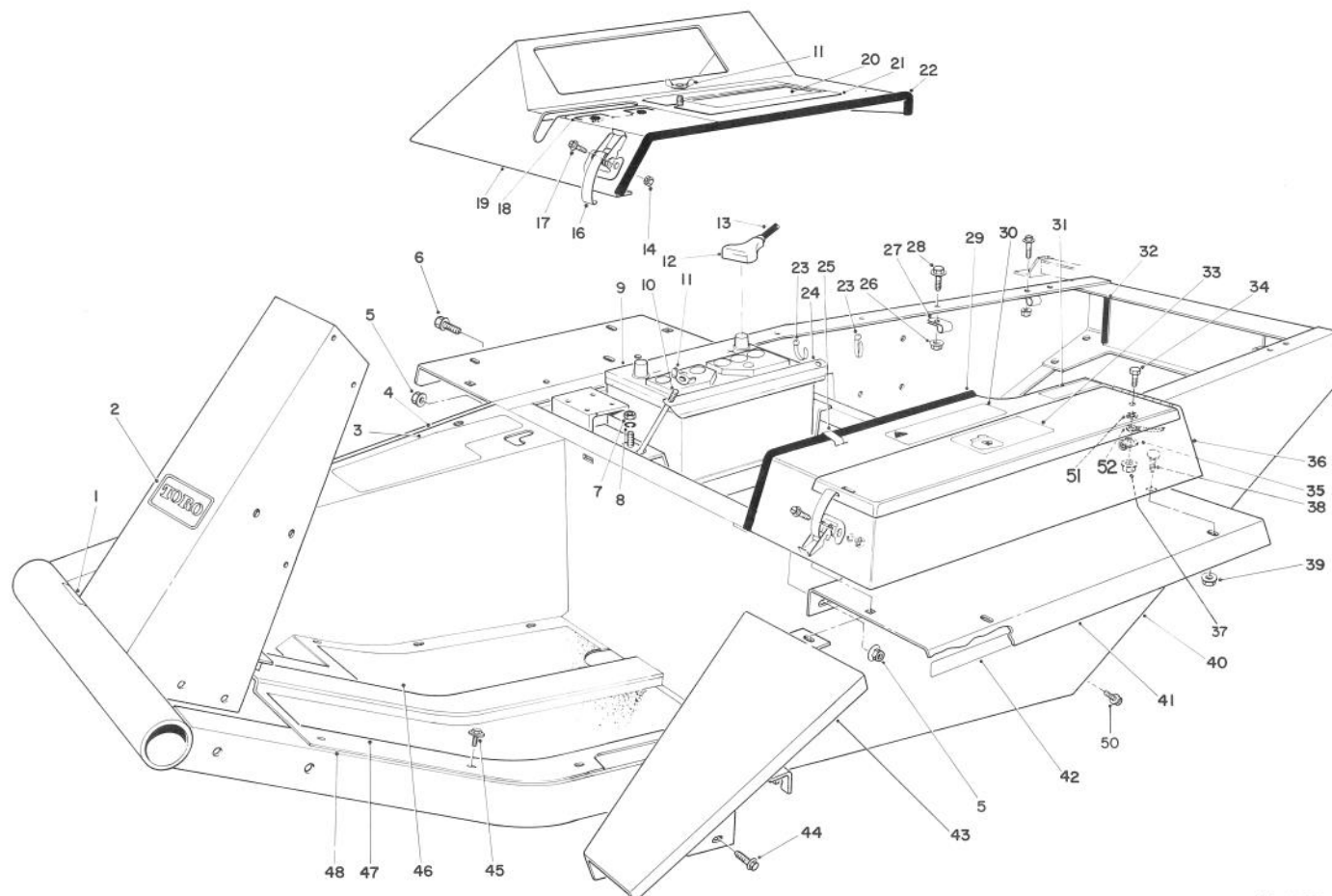




MODEL NO. 30739-30001 & UP

PARTS CATALOG

GROUNDMASTER® 325D Intl. 2WD TRACTION UNIT



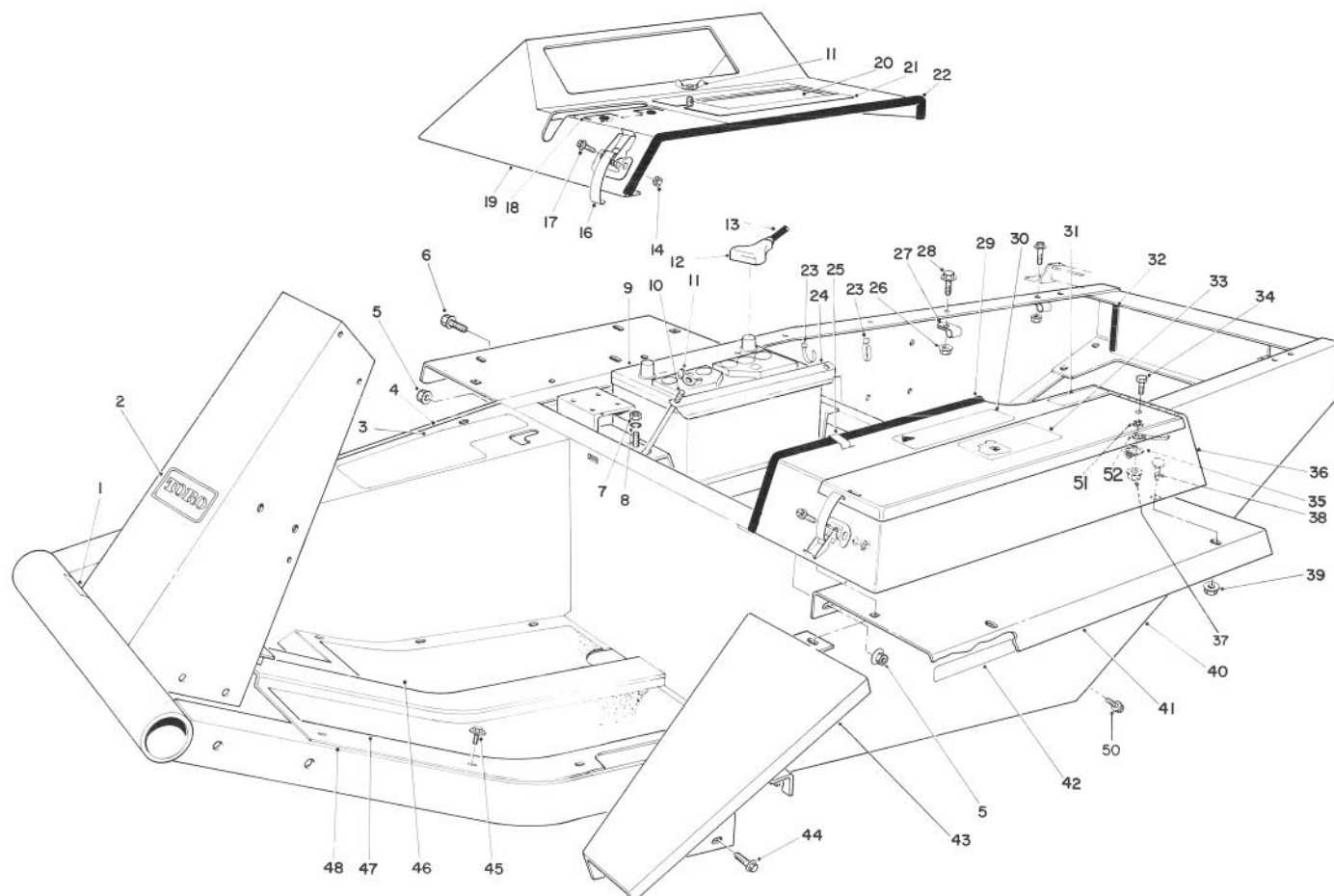
T-0407

MAIN FRAME ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	27-7320	Decal - Traction Pedal	1	18	27-7290	Decal - Power Take off	1
2	70-2200	Decal - Toro	1	19	38-4550	Instrument Cover	1
3	66-6390	Decal - Caution	1	20	43-4290	Decal - Starting Instructions	1
4	21-2660	Footrest	1	21	24-9740	Cover - Battery Access	1
5	32128-21	Nut - Flange Lock	10	22	39-8020	Trim - Instrument Cover	1
6	3234-12	Screw - Hex. Hd. Flange	4	23	3290-378	Cable Tie	2
7	3217-6	Nut - Hex.	2	24	24-6420	Hold Down - Battery	1
8	3253-4	Washer - Lock	2	25	2412-61	Clip - Tinnerman	2
†9		Battery Type MF24-78	1	26	3290-357	Nut - Flange Lock	5
10	24-6390	Stud - Battery Hold Down	2	27	2412-4	Clamp	3
11	32103-2	Nut - Wing	3	28	3234-11	Screw - Flange Lock	5
12	28-1280	Boot - Cable	1	29	37-9650	Trim	1
13	70-1180	Cable - Battery Positive (Incl. Ref. #12)	1	30	67-1710	Decal - Caution	1
14	3296-2	Nut	6	31	49-2280	Decal - Diesel Fuel	1
16	249-21	Hook Clamp	3	32	43-4300	Trim - Rear Frame	2
17	3290-144	Screw - Machine	6	33	27-7310	Decal - Refueling	1
				34	322-5	Screw - Cap Hex. Hd.	1

†Obtain Locally

TPS

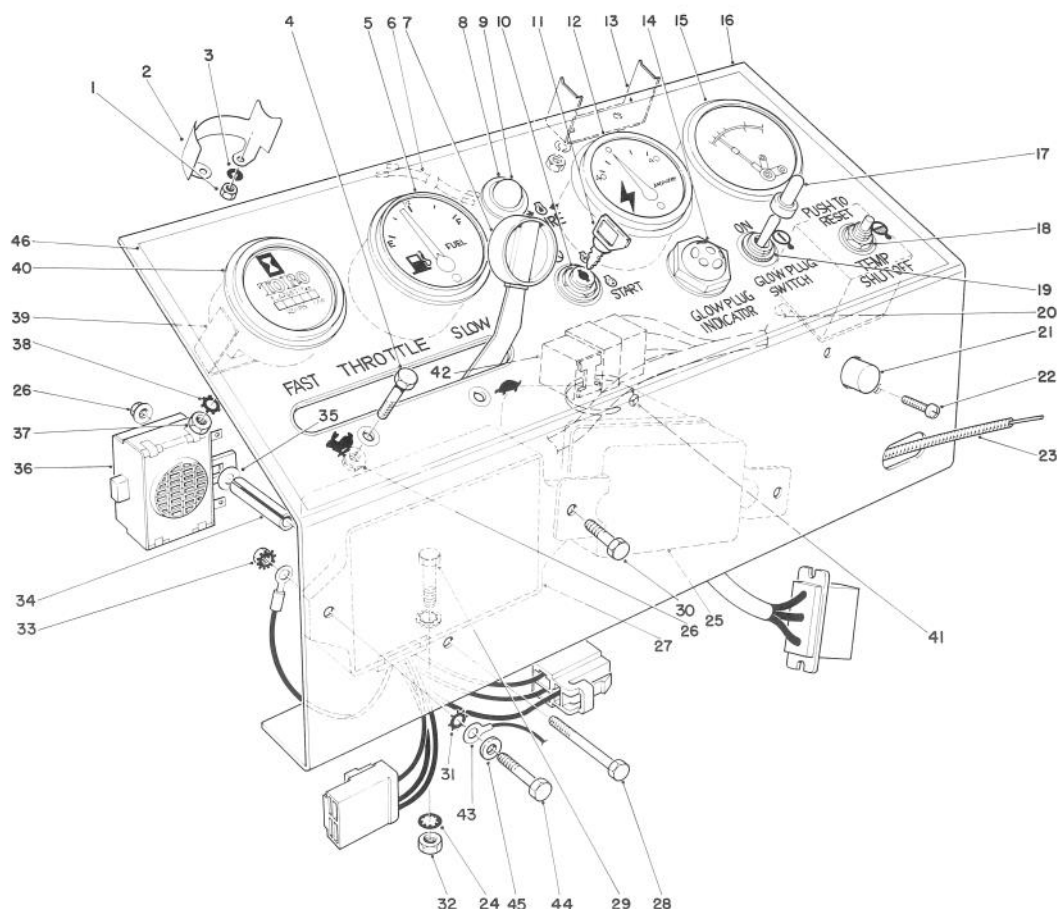


T-0407

MAIN FRAME ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
35	2412-74	Clamp	1
36	38-4530	Tool Box	1
37	32128-20	Nut - Lock Flange	1
38	3229-1	Bolt - Carriage	5
39	32128-33	Nut - Lock Flange	5
40	82-8980	Frame (Incl. Ref. #5 & 50)	1
41	72-3690	Fender	2
42	67-1720	Decal - Torque	2

Ref. No.	Part No.	Description	No. Used
43	68-8610	Fender - Extension	1
44	3234-14	Screw - Cap Hex. Hd.	2
45	32144-10	Screw - Self-Tapping	11
46	21-2770	Pad - Foot Rest R.H.	1
47	21-2760	Pad - Foot Rest L.H.	1
48	88-0070	Floor Plate	1
50	3234-25	Screw - Cap Flange Hd.	4
51	3254-2	Washer - Lock I.T.L.W.	1
52	18-2770	Cable - Ground	1

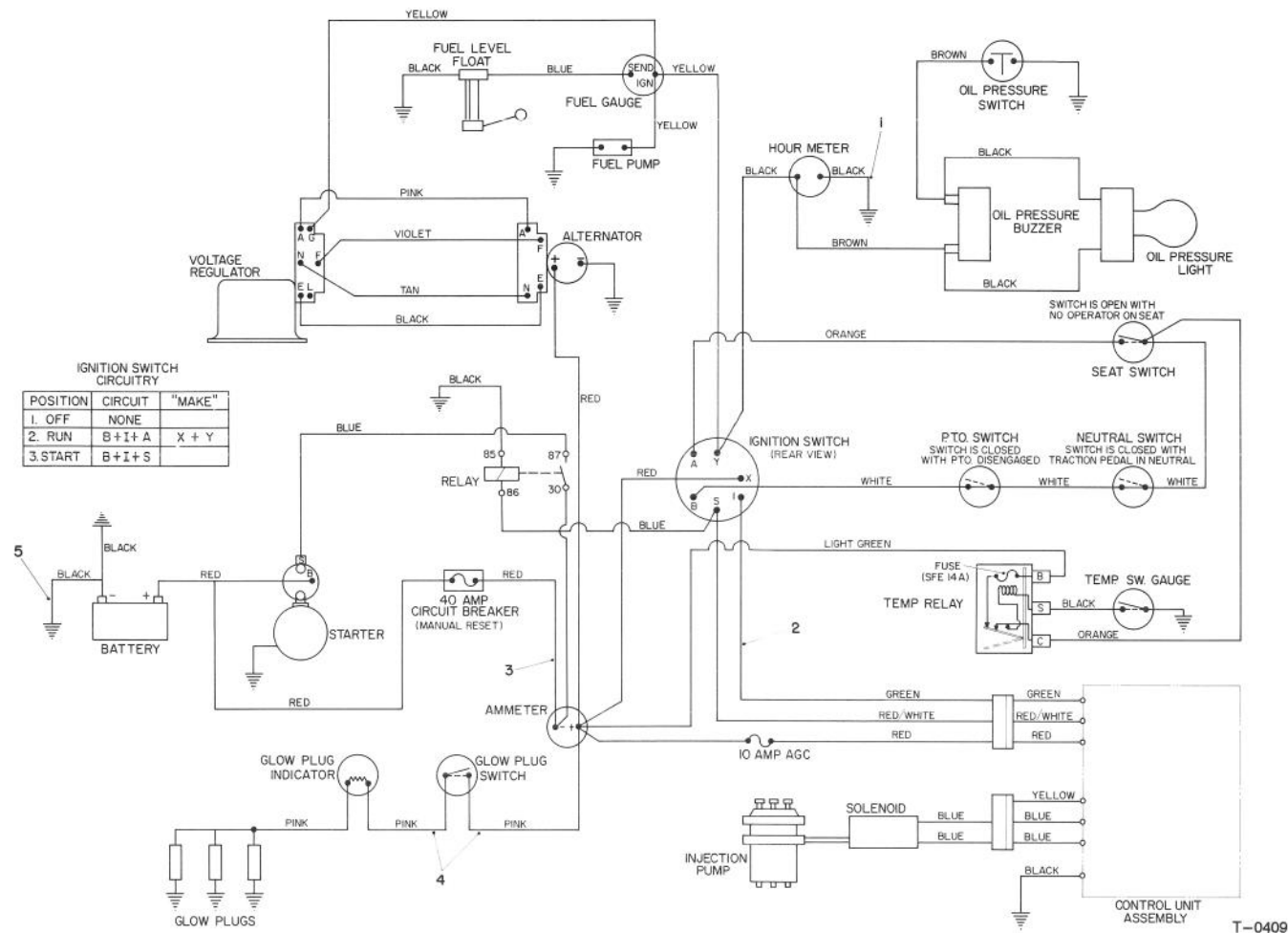


T-0408

INSTRUMENT PANEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3219-14	Nut	6	22	3250-17	Screw - Pan Hd.	2
2	38-1670	Clamp Mounting	2	23	43-3990	Throttle Control (Incl. Ref. #7)	1
3	3253-17	Washer - Lock	6	24	3254-2	Washer - Lock I.T.L.W.	6
4	3290-134	Screw - Hex. Hd. Mach.	2	25	43-0410	Regulator Assembly	1
5	38-1650	Fuel Gauge (Incl. Ref. #1-3)	1	26	32128-17	Nut - Lock Flange Hd.	3
6	44-2220	Wire Lead	1	27	43-1880	Control Unit Assembly	1
7	233-35	Knob	2	28	3290-424	Screw - Hex. Hd. Mach.	1
8	44-2210	Warning Light (Incl. Ref. #9)	1	29	322-5	Screw - Cap Hex. Hd.	2
9	218-533	Lens	1	30	321-4	Screw - Cap Hex. Hd.	2
10	27-2360	Key Switch (Incl. Ref. #11)	1	31	3255-7	Washer - Lock E.T.L.W.	3
11	63-8360	Key	1	32	3217-6	Nut - Hex	2
12	38-1660	Ammeter (Incl. Ref. #1-3)	1	33	32149-2	Nut - Lock	3
13	218-539	Clamp	1	34	43-3820	Spacer	1
14	42-9190	Glow Lamp	1	35	3256-14	Washer - Flat	1
15	26-6750	Engine Temperature Gauge (Incl. Ref. #1, 3, & 13)	1	36	22-7820	Buzzer Assembly	1
16	43-3970	Panel - Instrument	1	37	3217-26	Nut	1
17	218-473	Toggle Switch Boot	1	38	3255-5	Washer - Lock	1
18	26-6740	Temperature Reset Relay	1	39	218-515	Mounting Bracket	1
19	6-1659	Toggle Switch (Incl. Ref. #17)	1	40	12-9990	Hour Meter (Incl. Ref. #37-39)	1
†20		Fuse - Temp. Relay 14 Amp. SFE	1	41	3290-379	Cable Tie	1
21	43-4000	Circuit Breaker	1	42	63-7590	Relay	1
				43	70-1190	Cable - Ground	1
				44	321-6	Screw - Cap Hex. Hd.	1
				45	3256-1	Washer - Flat	1
				46	43-3980	Decal - Instrument Panel	1

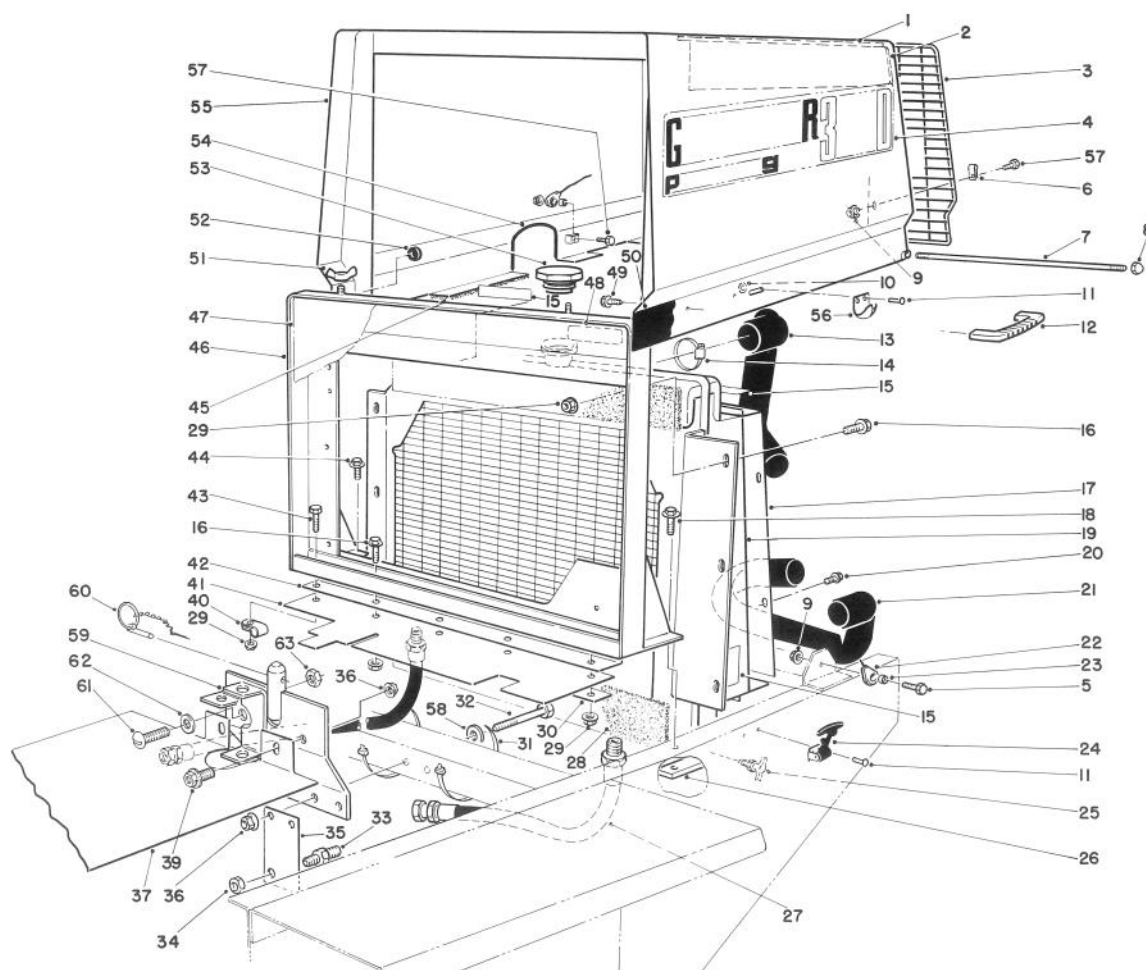
†Obtain Locally



ELECTRICAL SCHEMATIC

Ref. No.	Part No.	Description	No. Used
1	21-2370	Wire - Hour Meter Ground	1
2	88-1790	Wire Harness Assembly	1
3	43-4040	Wire Assembly	1

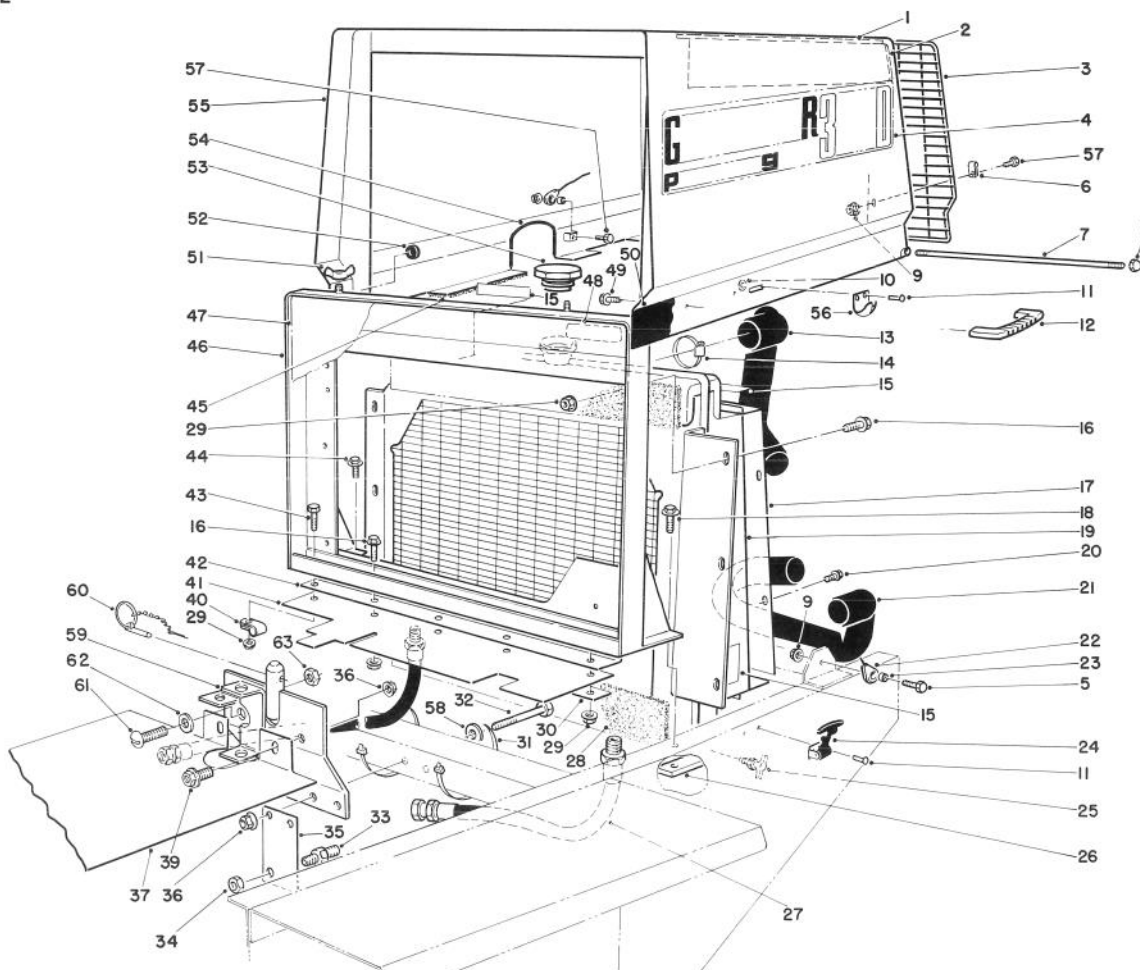
Ref. No.	Part No.	Description	No. Used
4	43-4010	Wire Assembly	2
5	70-1190	Ground Cable	1



T-1185

RADIATOR & HOOD ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	77-5170	Foam - Top	1	27	63-9010	Hose Assy. - Cooler/Pump	1
2	77-5160	Foam - Side	1	28	43-3320	Foam - Radiator	2
3	67-9000	Screen - Rear	1	29	32128-20	Screw - Flange Hex. Hd.	11
4	84-8610	Decal - Groundsmeister	2	30	67-8470	Strip - Retainer	1
5	321-4	Screw - Cap Hex. Hd.	2	31	3290-379	Tie - Cable	4
6	2412-127	Clamp	4	32	323-14	Screw - Cap Hex. Hd.	3
7	67-8840	Pin - Hinge	1	33	340-71	Union - Bulkhead	2
8	32111-8	Nut - Acorn	2	34	340-70	Nut - Lock Bulkhead	2
9	32128-32	Nut - Flange	8	35	68-9160	Bracket	1
10	3269-10	Washer - Backup	2	36	32128-21	Nut - Flange	5
11	3290-271	Rivet	4	37	88-3390	Plate - Sealing	1
12	65-5100	Handle - Hood	1	38	63-8960	Hose Assy. - Valve/Cooler	1
13	43-3350	Hose - Upper Radiator	1	39	3234-11	Screw - Flange	2
14	2412-3	Clamp - Hose	4	40	2412-39	Clamp	1
15	77-3100	Decal - Warning	3	41	67-8570	Strip - Sealing	1
16	3234-14	Screw - Flange Hex. Hd.	11	42	43-3340	Plate - Sealing, Grille	1
17	43-3330	Shroud - Radiator	1	43	322-6	Screw - Cap Hex. Hd.	1
18	3234-1	Screw - Flange Hex. Hd.	2	44	11-0590	Screw - Self Tapping	2
19	33-2570	Radiator Assembly	1	45	82-8950	Foam - Flange Hood	2
20	32104-116	Screw - Self Tapping	8	46	67-8870	Support - Radiator	1
21	43-7020	Hose - Lower Radiator	1	47	67-9030	Grille	1
22	77-3170	Stop - Hood Cable	2	48	82-8970	Decal - Radiator Coolant	1
23	77-5250	Spacer - Hood Cable	4	49	46-8091	Screw - Flange	2
24	249-39	Latch - Flexible Draw	1	50	77-5141	Decal - Hood LH	1
25	304-46	Drain Cock	1	*	77-5151	Decal - Hood RH	1
26	38-4600	Bar - Frame LH	1	51	32103-2	Nut - Wing	2



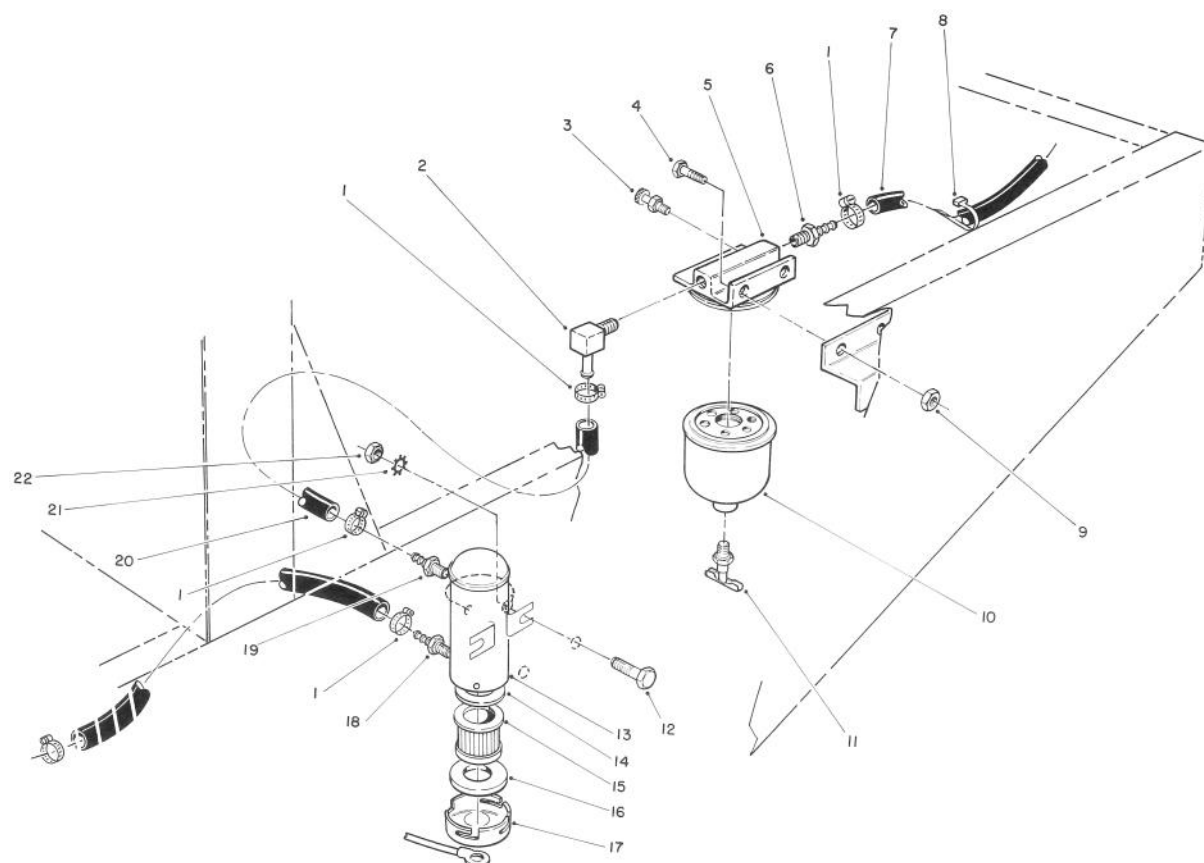
T-1185

RADIATOR & HOOD ASSEMBLY

Ref. No.	Part No.	Description	No. Used
52	237-141	Bumper - Radiator	2
53	66-3240	Cap - Radiator	1
54	66-8111	Trim - Hood Cutout	1
55	14-4149	Hood	1
56	249-40	Keeper	1
57	3274-69	Screw - Socket Hd.	6

Ref. No.	Part No.	Description	No. Used
58	5-0838	Washer - Flat	3
59	86-9410	Bracket - Seat Support	1
60	283-76	Pin - Lynch	1
61	32122-16	Screw - Truss Hd.	1
62	88-3370	Spacer - Sealing Plate	1
63	3296-59	Nut - Lock	1

*Not Illustrated

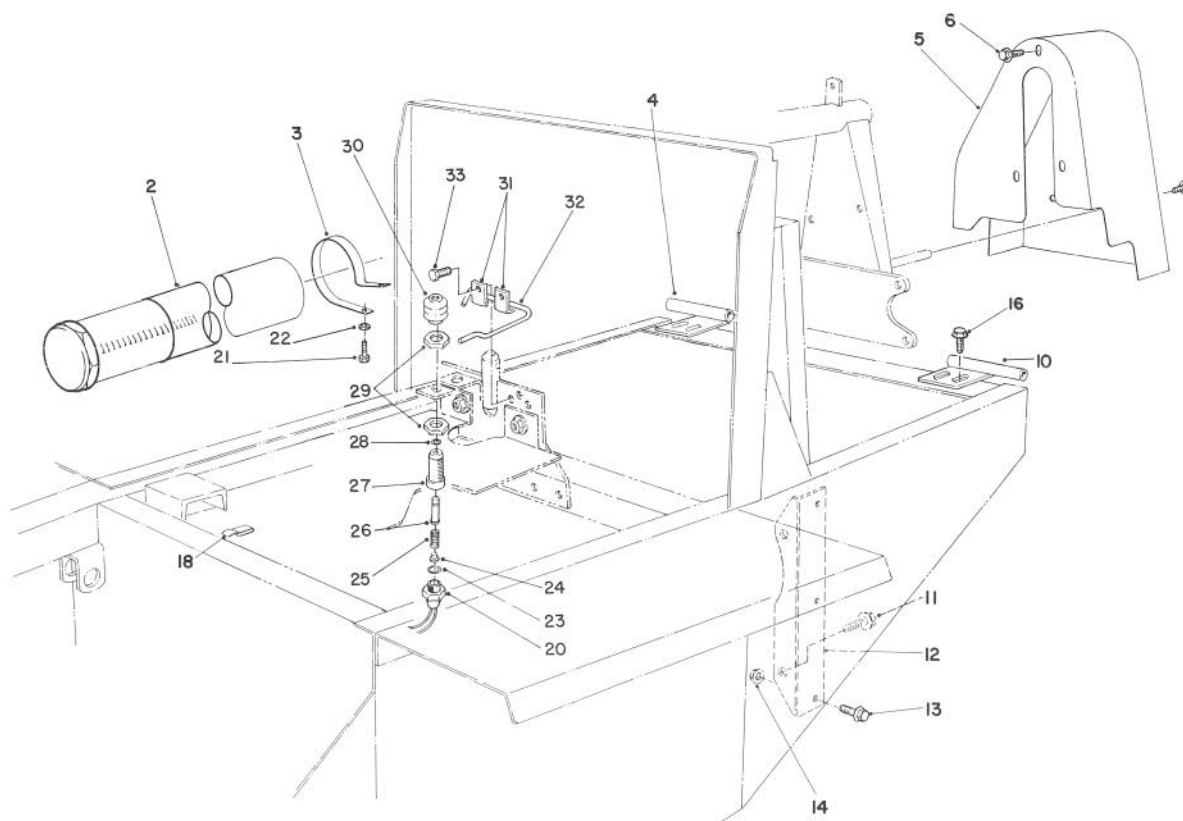


T-0411

FUEL FILTER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	2412-108	Hose Clamp	5
2	304-96	90° Hose Barb	1
3	63-8290	Vent	1
4	321-4	Screw - Cap Hex. Hd.	2
5	63-8280	Head Assembly	1
6	353-975	Hose Barb	1
7	63-9720	Hose	1
8	3290-378	Cable Tie	A/R
9	32149-2	Nut	2
10	63-8300	Element - Fuel Filter (Incl. Ref. #11)	1
11	63-8310	Drain Valve	1

Ref. No.	Part No.	Description	No. Used
12	321-6	Screw - Cap Hex. Hd.	2
13	53-8150	Pump Assy. Fuel, Electric (Incl. Ref. #14-17)	1
14	43-2570	Gasket	1
15	43-2550	Filter	1
16	43-2560	Gasket	1
17	43-2580	Magnet	1
18	353-702	Hose Barb	1
19	304-73	Hose Barb	1
20	63-9650	Hose	1
21	3255-7	Washer - Lock Ext. Tooth	2
22	32149-2	Nut	2

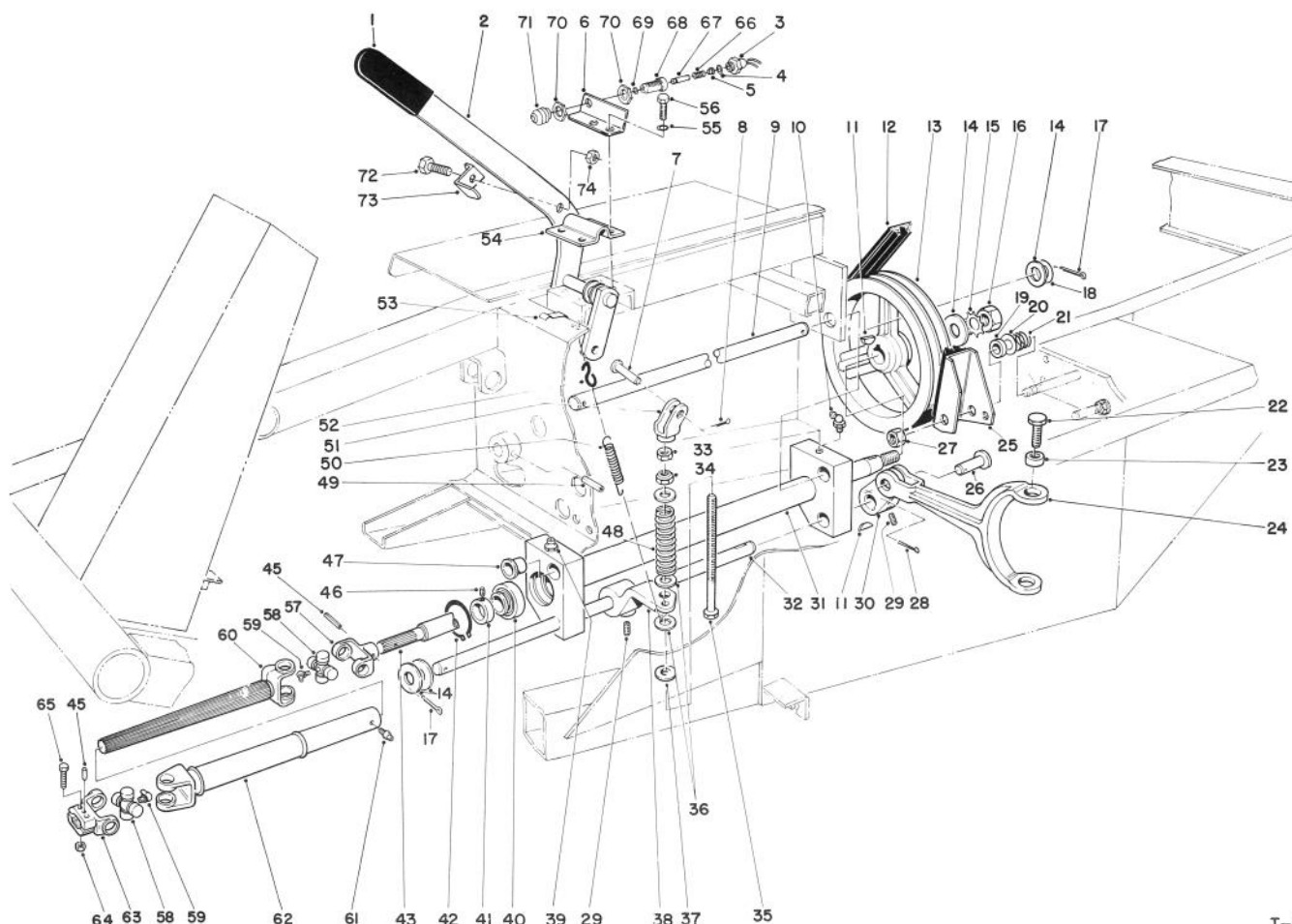


T-1186A

INTERLOCK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
2	74-0720	Tube - Manual	1
3	2412-133	R-Clamp	2
4	67-8820	Hinge, R.H.	1
5	43-3900	Guard - Fan Belt	1
6	3234-14	Screw - Cap Hex. Hd.	5
9	3256-23	Washer - Flat	1
10	67-8810	Hinge L.H.	1
11	3234-32	Screw - w/Locking Flange	2
12	67-8190	Bracket - Engine Support	2
13	3234-11	Screw w/Locking Flange	6
14	3290-357	Nut - Lock Flange	6
16	3234-17	Screw - Cap Hex. Hd.	4
18	212-93	Wire Clip	2
20	72-4320	Switch - Ball	1

Ref. No.	Part No.	Description	No. Used
21	322-2	Screw - Cap Hex. Hd.	2
22	3256-23	Washer - Flat	2
23	237-30	Seal - O-Ring	1
24	43-8610	Guide - Spring & Ball Seat	1
25	43-8600	Spring - Compression	1
26	43-8860	Plunger - Switch	1
27	43-8620	Guide - Switch Pin	1
28	237-7	Seal - O-Ring	1
29	218-461	Nut - Jam	1
30	43-8870	Boot - Switch	1
31	3-6657	Clip	2
32	86-7040	Rod - Seat Prop	1
33	32144-10	Screw - Hex. Hd. Self Tap	2

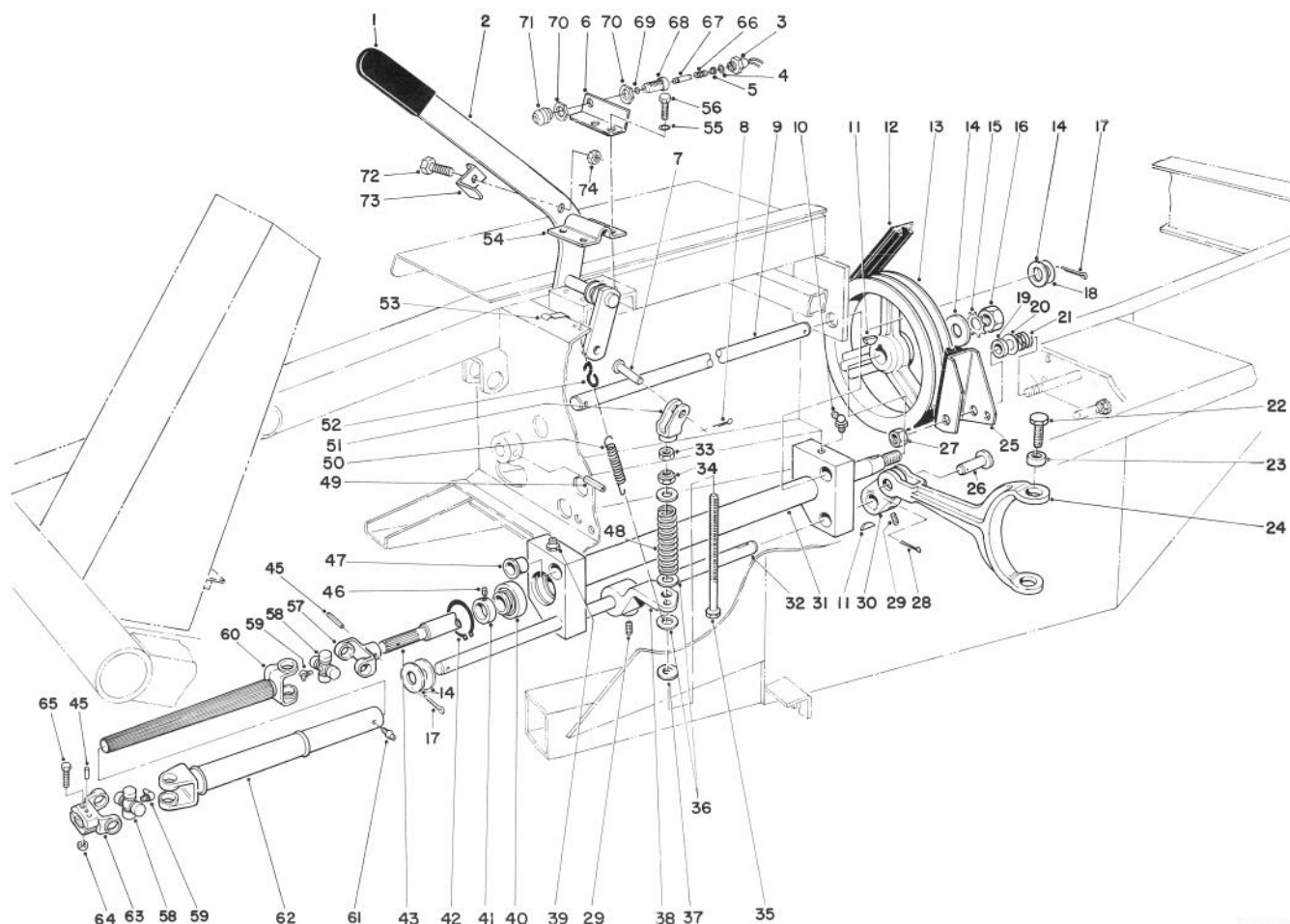


T-0413

POWER TAKE OFF ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	21-1880	Grip Handle	1
2	84-8500	Lever - P.T.O.	1
3	72-4320	Switch - Ball	1
4	237-30	Seal - O-Ring	1
5	43-8610	Guide - Spring & Ball Seat	1
6	84-8520	Bracket - P.T.O. Switch	1
7	283-42	Clevis Pin	1
8	3272-10	Cotter Pin	1
9	43-3860	Shaft - Pivot P.T.O.	1
10	302-10	Grease Fitting	1
11	3257-5	Woodruff Key	3
12	53-9660	V-Belt Torque Team	1
13	21-0230	Pulley P.T.O.	1
14	3256-28	Washer - Flat	4
15	3254-7	Washer - Lock	1
16	3219-7	Nut	1
17	3272-22	Cotter Pin	2
18	3-6498	Washer	A/R
19	3-8812	Spacer	1
20	3256-6	Washer - Flat	1
21	5-1747	Spring	1
22	30-2120	Screw - Cap Hex. Hd.	2
23	43-3800	Bushing - P.T.O. Fork	2
24	43-5610	Fork P.T.O.	1
25	27-7370	Brake Assembly P.T.O.	1
26	283-8	Clevis Pin	1

Ref. No.	Part No.	Description	No. Used
27	3296-28	Nut - Lock	1
28	3272-11	Cotter Pin	1
29	3246-3	Set Screw	4
30	43-5590	Arm - P.T.O.	1
31	43-5500	Pivot P.T.O.	1
32	43-5550	Shaft - Actuator P.T.O.	1
33	3219-3	Nut	1
34	3296-6	Nut - Lock	1
35	27-7900	Screw - Adjusting	1
36	3256-41	Washer - Flat	3
37	5-0652	Spacer	1
38	43-5570	Arm, Actuator - P.T.O.	1
39	302-2	Grease Fitting	1
40	251-252	Ball Bearing (Incl. Ref. #41)	2
41	251-234	Lock Collar (Incl. Ref. #46)	2
42	32120-22	Ring - Retaining	2
43	43-5540	Shaft P.T.O.	1
45	32121-34	Pin - Roll	2
46	3245-1	Set Screw	2
47	256-113	Bushing - Flange	4
48	21-0400	Spring - Compression	1
49	32121-9	Pin - Roll	1
50	21-1830	Spring - Tension	1
51	43-5630	Yoke - P.T.O.	1



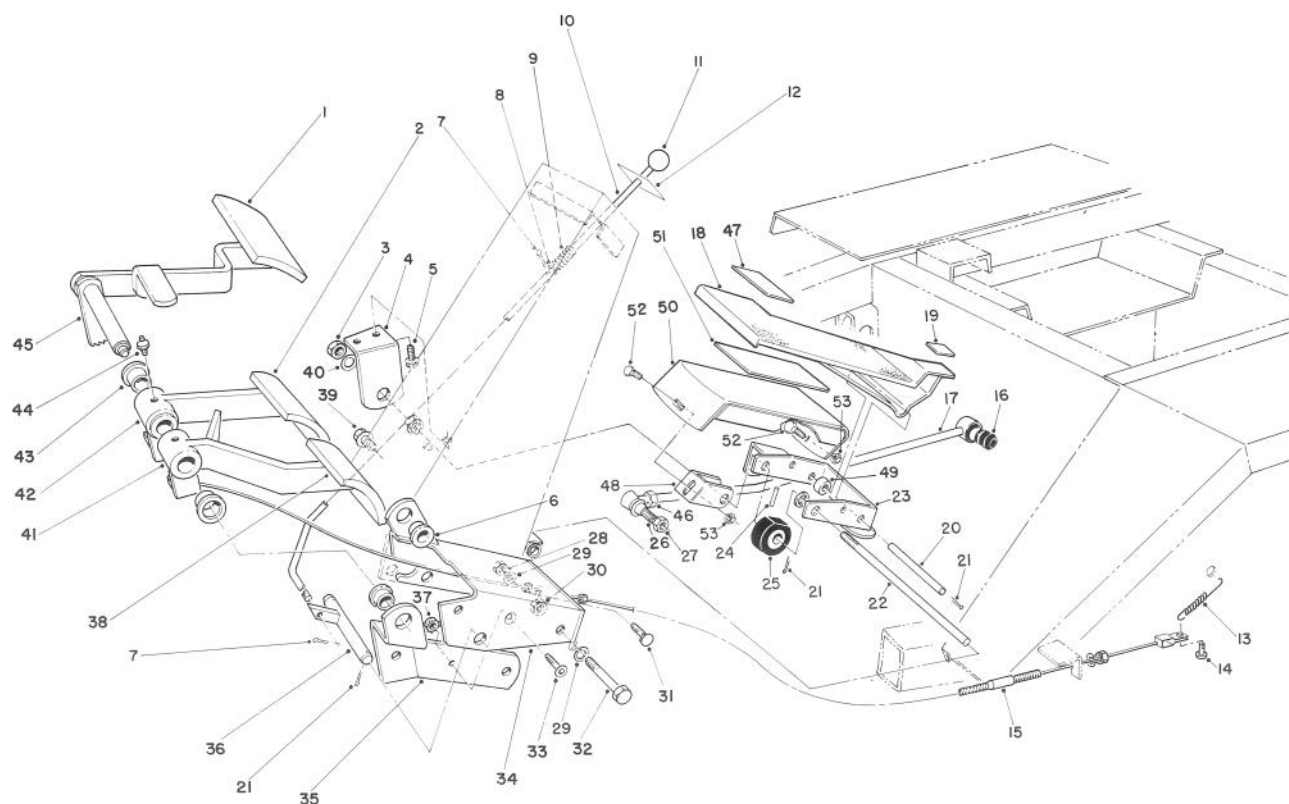
T-0413

POWER TAKE OFF ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
52	5-0701	Spring Anchor	1
53	212-93	Wire Clip	1
54	21-1600	Clamp P.T.O. Lever	1
55	3253-21	Washer - Lock	4
56	32104-6	Screw - Hex. Hd. Tapping	4
57	62-3800	Yoke - End	1
58	54-9180	Kit - U-Joint	2
59	62-3820	Fitting - Grease	2
60	62-3290	Shaft - Slip Yoke	1
61	302-58	Fitting - Grease	1
62	62-3790	Tube - Slip Yoke	1
63	54-9040	Yoke - End (Split)	1
64	3296-29	Nut - Lock	2

Ref. No.	Part No.	Description	No. Used
65	322-9	Screw - Cap Hex. Hd.	2
66	43-8600	Spring - Compression	1
67	43-8860	Plunger - Switch	1
68	43-8620	Guide - Switch Pin	1
69	237-7	Seal - O-Ring	1
70	218-461	Nut - Jam	2
71	43-8870	Boot - Switch	1
72	321-4	Screw - Cap Hex. Hd.	1
73	86-7050	Bracket - Switch Actuator	1
74	3296-16	Nut - Lock	1
*	84-4890	Drive Shaft Assembly (Incl. Ref. #57-63)	1

*Not Illustrated

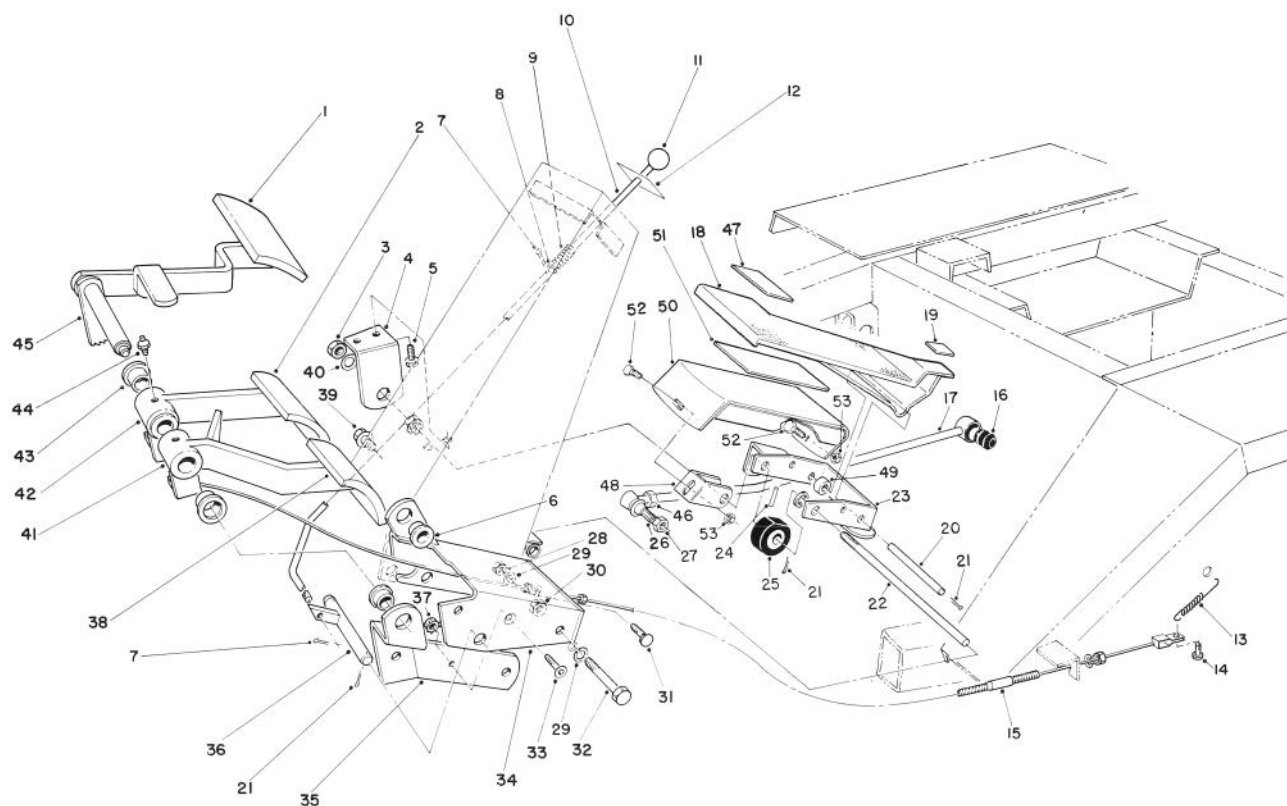


T-0415

BRAKE PEDAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	7-3900	Pad - Brake	1	25	28-5220	Wheel - Friction	1
2	27-7580	Pad - Right Turn	1	26	21-0141	Socket Assembly R.H.	1
3	3218-5	Nut - Jam	2	27	3220-3	Nut - Jam	1
4	21-2850	Mount - R.H. Pedal	1	28	3217-7	Nut - Hex	2
5	11-0590	Screw - Hex. Hd. Tapping	2	29	3253-21	Washer - Lock	4
6	256-156	Bushing	5	30	32153-2	Nut - Lock	2
7	3272-5	Cotter Pin	3	31	3231-21	Bolt - Carriage	2
8	3256-22	Washer - Flat	1	32	323-13	Screw - Cap Hex. Hd.	2
9	3-3251	Spring - Compression	1	33	3274-47	Screw - Flat Hd. Socket	1
10	82-8670	Rod - Brake Latch	1	34	27-7590	Mount - Brake	1
11	233-17	Knob	1	35	27-9270	Mount - Brake Pivot Shaft	1
12	82-8930	Decal - Parking Brake	1	36	27-7640	Shaft - Brake Latch	1
13	3-7243	Spring - Extension	2	37	32149-2	Nut	1
14	283-58	Clevis Pin	2	38	27-7570	Pad - Left Turn	1
15	21-3380	Cable - L.H. Brake	1	39	3234-11	Screw - Cap Hex. Hd.	3
*	21-3370	Cable - R.H. Brake	1	40	3256-26	Washer - Flat	1
16	23-2270	Bushing - Rubber	1	41	27-7490	Pedal - L.H. Brake (Incl. Ref. #43)	1
17	23-2240	Rod - Pump Control	1	42	27-7510	Pedal - R.H. Brake (Incl. Ref. #43)	1
18	88-0530	Pedal Traction	1	43	256-10	Bushing	4
19	88-1740	Pad - Pedal Rear	1	44	302-5	Fitting - Grease	2
20	88-1640	Pin - Traction Pedal	1	45	27-8550	Pedal - Parking Brake	1
21	3272-6	Cotter Pin	6	46	3220-5	Nut - Jam	1
22	88-1650	Shaft - Traction Pedal	1	47	88-1730	Pad - Front Pedal	1
23	88-1670	Bracket - Pivot (Incl. Ref. #6)	1	48	88-1680	Bracket - Footrest	1
24	32121-16	Pin - Roll	1				

*Not Illustrated



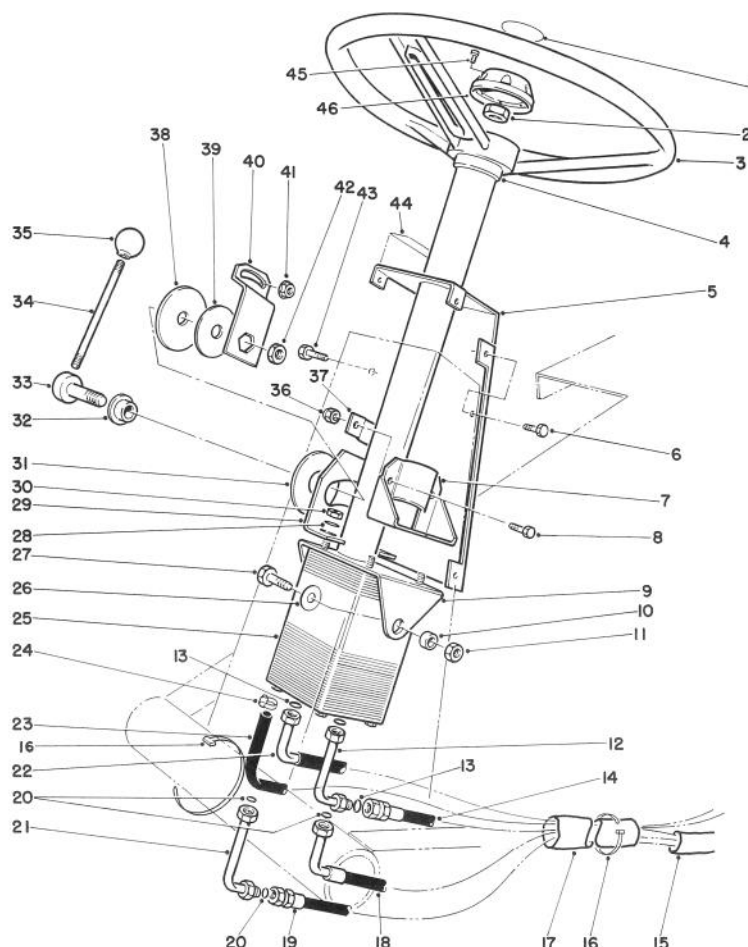
T-0415

BRAKE PEDAL ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
49	88-0470	Tube - Pedal Spacer	1
50	88-1710	Footrest	1
51	88-1720	Pad - Footrest	1

Ref. No.	Part No.	Description	No. Used
52	3230-1	Bolt - Carriage	2
53	32128-25	Nut - Flange Lock	2

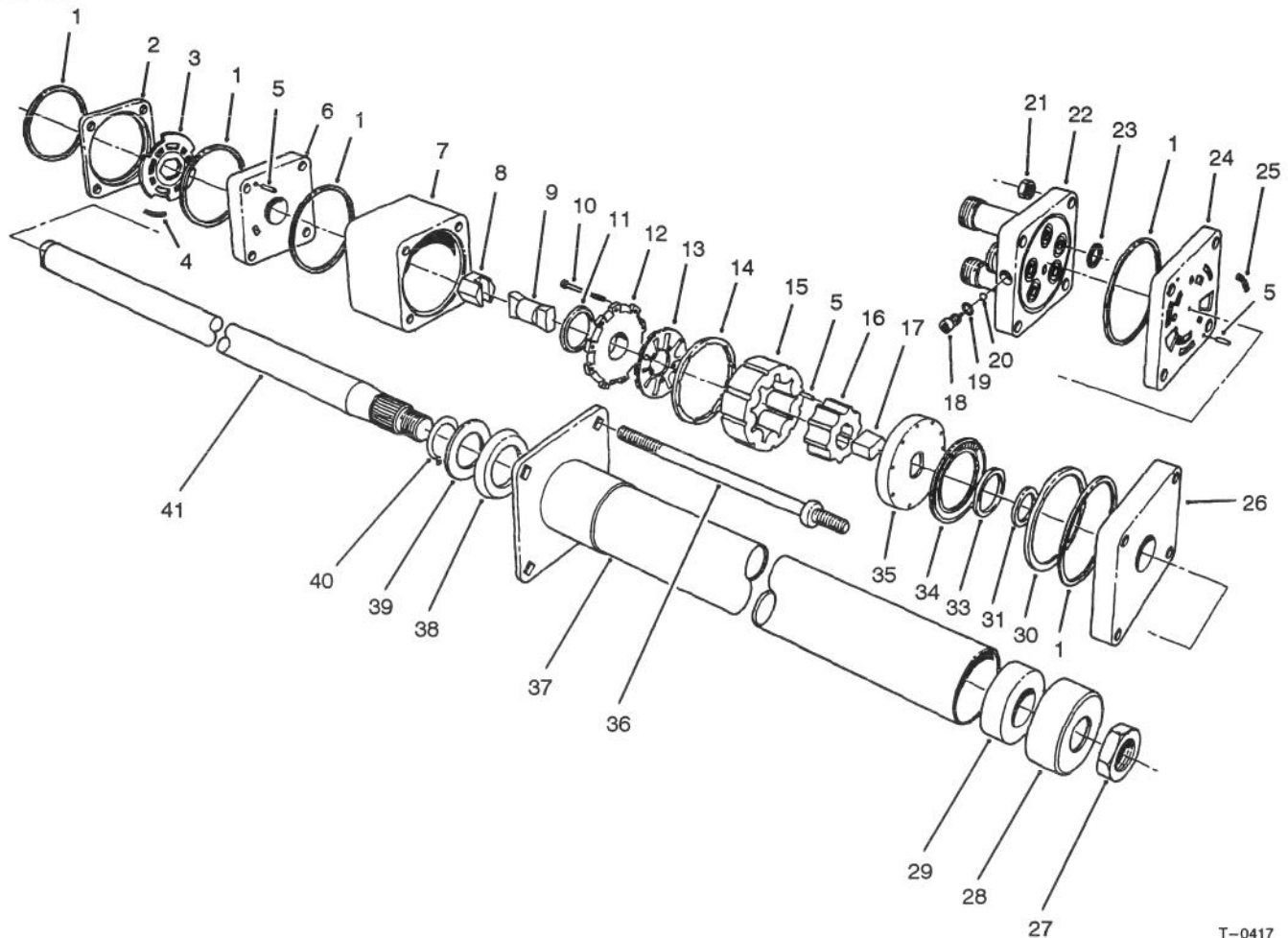
*Not Illustrated



T-1187

POWER STEERING ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	68-5370	Decal - Toro	1	24	2412-36	Clamp	2
2	66-9760	Nut - Hex.	1	25	63-9250	Valve - Power Steering	1
3	75-0560	Steering Wheel Assembly (Incl. Ref. #45 & 46)	1	26	3256-46	Washer - Flat	2
4	21-9260	Cover - Dust	1	27	323-6	Screw - Cap Hex. Hd.	2
5	82-8660	Cover - Tower	1	28	3256-3	Washer - Flat	4
6	32144-10	Screw - Hex. Thd. Form	6	29	80-2940	Plate - Pivot	1
7	67-8690	Support - Column	1	30	3296-4	Nut - Lock	4
8	3234-17	Screw - Cap Hex. Hd.	2	31	31-0390	Disc - Friction	1
9	77-3120	Bracket - Mount, Column	1	32	80-2980	Boss - Pin	1
10	80-2960	Spacer - Tower	2	33	80-2970	Pin - Steering Tilt	1
11	32153-2	Nut - Hex.	2	34	80-2890	Handle - Steering Tilt	1
12	82-8760	Elbow	1	35	233-21	Knob - Handle	1
13	237-30	O-Ring	3	36	3296-29	Nut - Lock	2
14	63-8970	Hose - Trans. to Steering	1	37	82-8650	Clamp - Half	1
15	70-1390	Sleeve - Protective	1	38	82-9010	Disc - Friction	1
16	3290-379	Tie - Cable	3	39	80-2930	Washer	1
17	70-1380	Sleeve - Protective	1	40	80-2880	Bracket - Steering, Tilt	1
18	68-9730	Hose - Steering to Cylinder	1	41	32128-20	Nut - Flange	1
19	68-9720	Hose - Cylinder to Steering	1	42	3218-7	Nut - Jam	1
20	237-22	O-Ring	3	43	322-4	Screw - Cap Hex. Hd.	1
21	82-8770	Elbow	1	44	82-8940	Decal - Steering, Tilt	1
22	63-8980	Hose - Aux. to Valve	1	45	32144-21	Screw	1
23	63-8990	Hose	1	46	68-5140	Cap - Steering Wheel	1



T-0417

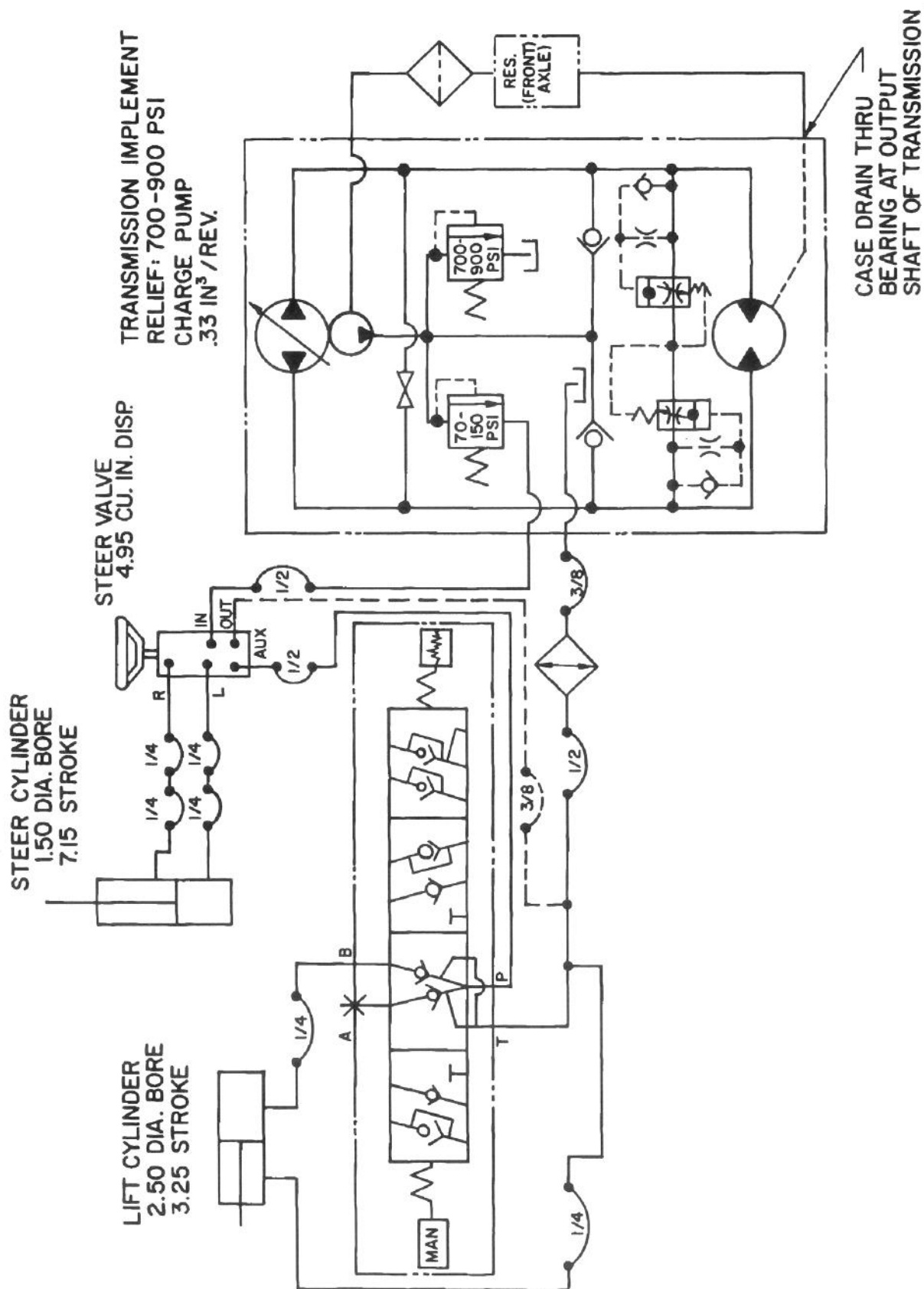
POWER STEERING VALVE ASSEMBLY NO. 63-9250

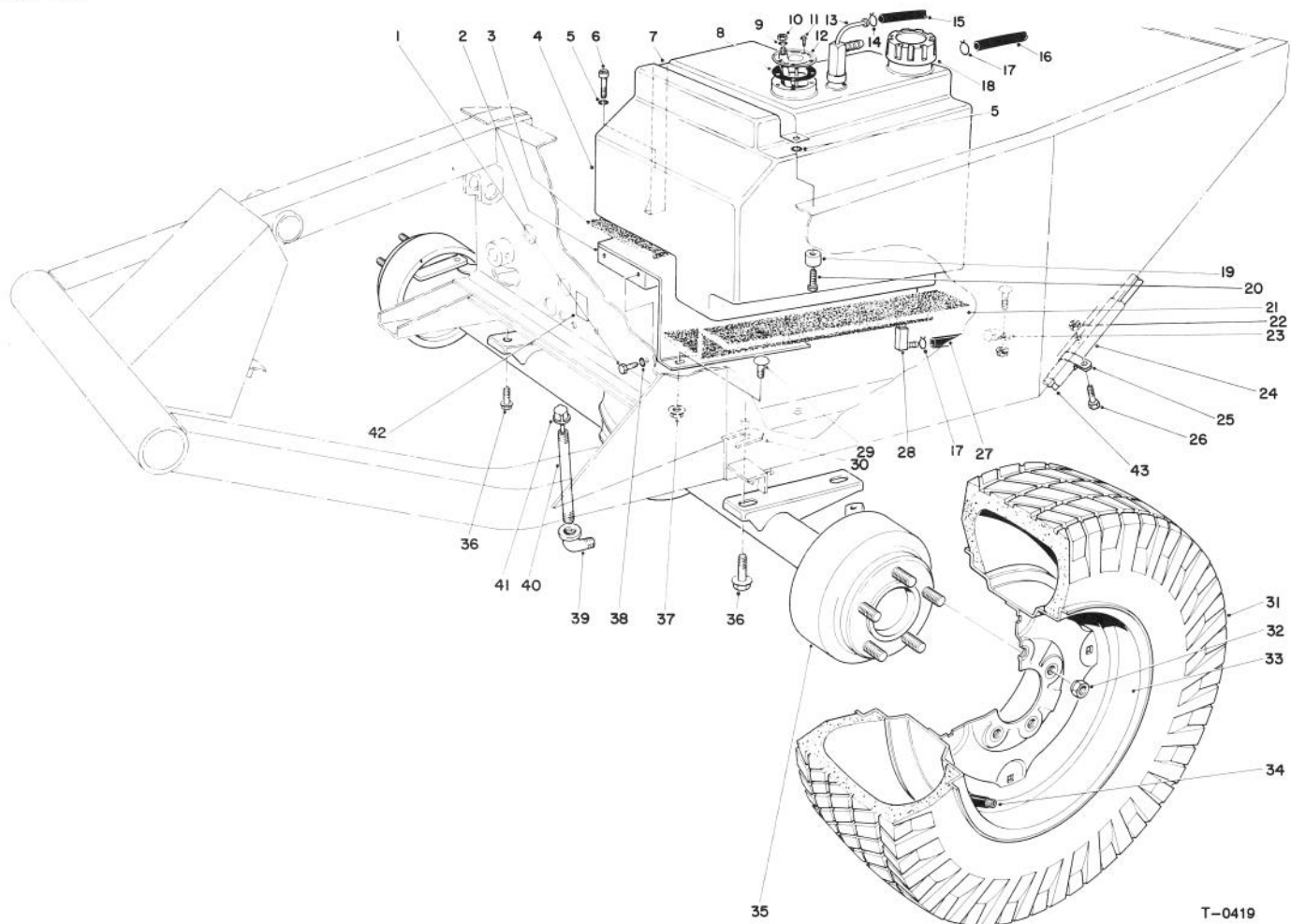
Ref. No.	Part No.	Description	No. Used
1		Ring - Seal	5
2		Ring - Valve	1
3		Plate - Valve	1
4		Spring	3
5		Pin - Alignment	9
6		Manifold - Isolation	1
7		Ring - Metering	1
8		Hex Drive Assy.	1
9		Link - Drive	1
10		Screw - Hex. Hd. Socket	11
11		Seal - Commutator	1
12		Cover - Commutator	1
13		Commutator	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

Ref. No.	Part No.	Description	No. Used
25		Spring	3
26		Plate - Upper Cover	1
27	3220-6	Nut	1
28	66-9770	Seal	1
29	66-9780	Bushing	1
30		Spacer - Thrust Bearing	1
31		Spacer - Seal	1
33		Seal - Face	1
34		Bearing - Thrust	1
35		Plate - Drive	1
36	66-9850	Bolt - Special	4
37	66-9860	Upper Cover & Jacket	1
38	66-9870	Plate - Retaining	1
39	66-9880	Washer - Retaining Plate	1
40	66-9890	Ring - Retaining	1
41	66-9900	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

*Not Illustrated

HYDRAULIC SCHEMATIC





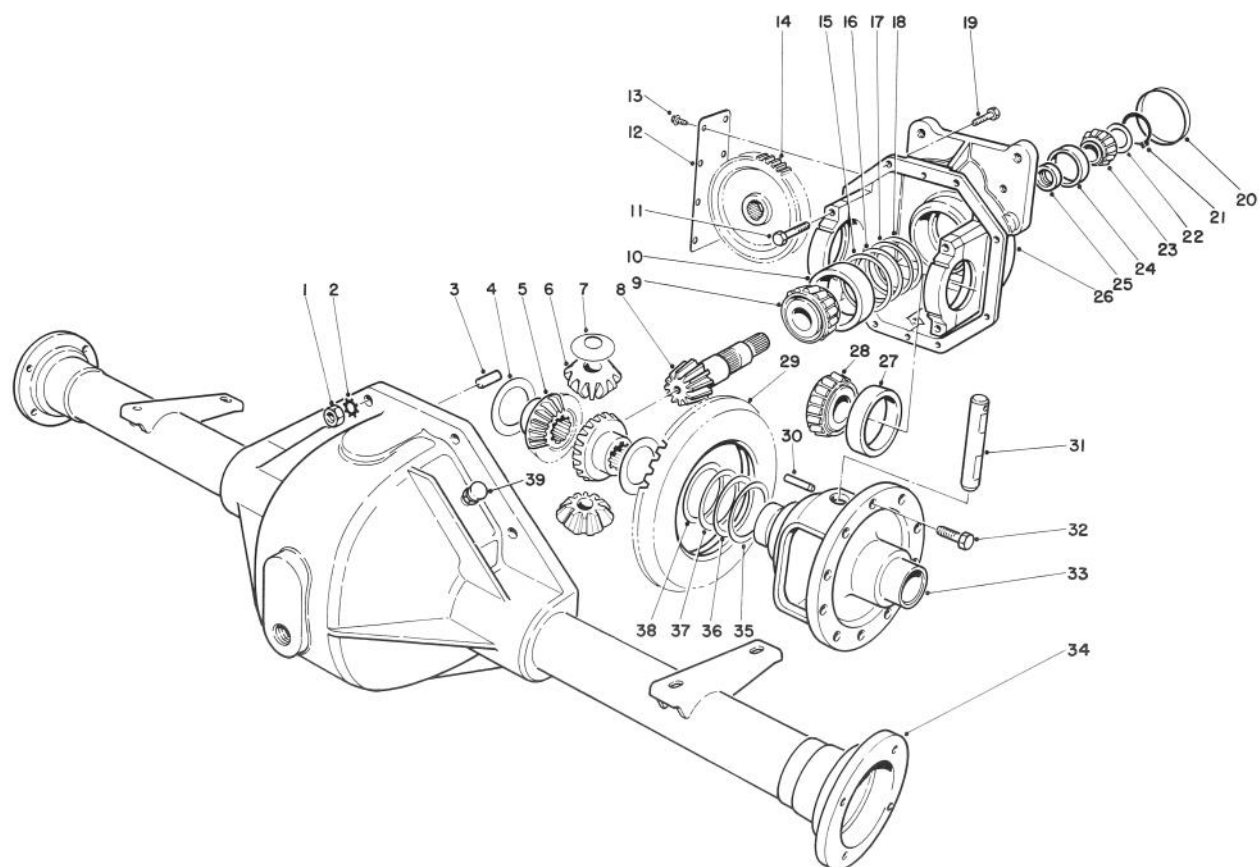
T-0419

FRONT AXLE & FUEL TANK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	32104-6	Screw - Self Tapping	2
2	68-9760	Fuel Tank Base	1
3	21-3600	Foam - Tank Support	1
4	43-4150	Fuel Tank (Incl. Ref. #13 & 14)	1
5	3253-3	Washer - Lock	2
6	321 04-96	Screw - Cap Hex. Hd.	1
7	37-9550	Strap - Fuel Tank	1
8	62-7650	Gasket	1
9	3253-17	Washer - Lock	1
10	3219-14	Nut	1
11	32144-53	Screw - Thread Forming	5
12	62-6840	Sender - Fuel Level	1
13	43-4160	Fitting - Return & Vent	1
14	2412-79	Clamp	1
15	43-4230	Hose Return	1
16	43-5690	Hose - Vent, Fuel Tank	1
17	2412-6	Clamp	2
18	55-3572	Fuel Cap	1
19	22-7810	Spacer	1
20	321-6	Screw - Cap Hex. Hd.	1
21	21-3610	Foam - Tank Support	1
22	3296-20	Nut - Lock	2
23	2412-4	Clamp	1
24	56-7980	Sleeve - Protective	1
25	2412-39	R-Clamp	2

Ref. No.	Part No.	Description	No. Used
26	322-3	Screw - Cap Hex. Hd.	2
27	63-9640	Hose Fuel	1
28	43-4190	Fitting Assembly	1
29	3230-2	Bolt - Carriage	3
30	42-6080	Shim - Axle	A/R
31	231-138	Tire - 6 Ply	2
*	231-95	Tire - 23x10.5x12 (Optional)	2
32	23-7270	Nut - Wheel	10
33	217-117	Rim	2
*	217-116	Rim - 23x10.5x12 (Optional)	2
34	232-31	Valve Stem w/Cap	2
*	232-27	Valve Stem (For 23x10.5x12 Rim Opt.)	1
35	86-9600	Differential Assembly	1
36	32144-67	Screw - Cap Thd. Forming	4
37	32128-20	Nut - Flange	3
38	3253-21	Washer - Lock	2
39	2811-9	Street Elbow	1
40	289-37	Pipe Nipple	1
41	23-5180	Dipstick	1
42	53-4430	Decal - Oil	1
43	68-9710	Hose - Steering Cylinder	2
*	231-90	Tube - Inner	2

*Not Illustrated

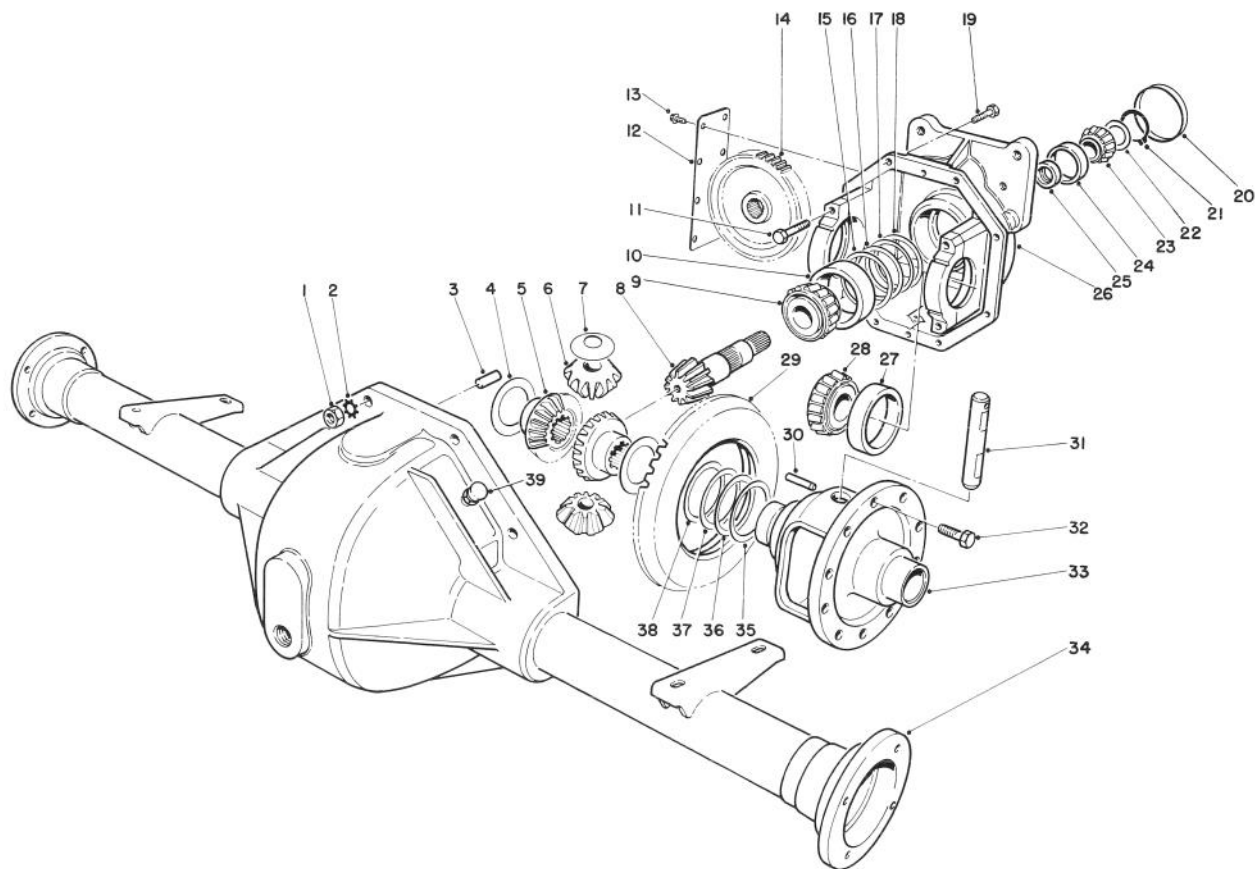


T-0919

DIFFERENTIAL ASSEMBLY NO. 86-9600

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3219-2	Nut	8	*22	46-2212	Shim - Front Pinion Bearing (.035)	A/R
2	3255-8	Washer - Lock	8	*	46-2213	Shim - Front Pinion Bearing (.037)	A/R
3	21-8270	Dowel Pin	2	*	46-2214	Shim - Front Pinion Bearing (.039)	A/R
4	21-7720	Thrust Washer	2	*	46-2215	Shim - Front Pinion Bearing (.041)	A/R
5	24-8790	Differential Bevel Gear Side	2	*	46-2216	Shim - Front Pinion Bearing (.043)	A/R
6	21-7690	Pinion Gear	2	*	46-2220	Shim - Front Pinion Bearing (.045)	A/R
7	21-7730	Thrust Washer	2	*	46-2221	Shim - Front Pinion Bearing (.047)	A/R
8		Drive Pinion (Incl. Ref. #29)	1	*	46-2222	Shim - Front Pinion Bearing (.049)	A/R
9	43-6760	Roller Bearing Cone	1	*	46-2223	Shim - Front Pinion Bearing (.051)	A/R
10	43-6750	Roller Bearing Cup	1	*	46-2224	Shim - Front Pinion Bearing (.053)	A/R
11	92-1773	Screw - Cap Hex. Hd.	4	*	46-2225	Shim - Front Pinion Bearing (.055)	A/R
12	21-7830	Gear Cover	1	*	46-2226	Shim - Front Pinion Bearing (.057)	A/R
13	12-5450	Thread Forming Screw	8	*	46-2410	Shim - Front Pinion Bearing (.062)	A/R
14	86-7230	Spur-Gear	1				
15	43-6710	Adjustment Shim .003	A/R				
16	43-6711	Adjustment Shim .005	A/R				
17	43-6712	Adjustment Shim .010	A/R				
18	43-6713	Adjustment Shim .030	A/R				
19	3210-7	Screw - Cap Hex. Hd.	8				
20	21-7850	Cup - Plug	1				
21	43-6550	Snap Ring	1				
22	46-2210	Shim - Front Pinion Bearing (.031)	A/R				
*	46-2211	Shim - Front Pinion Bearing (.033)	A/R				

*Not Illustrated



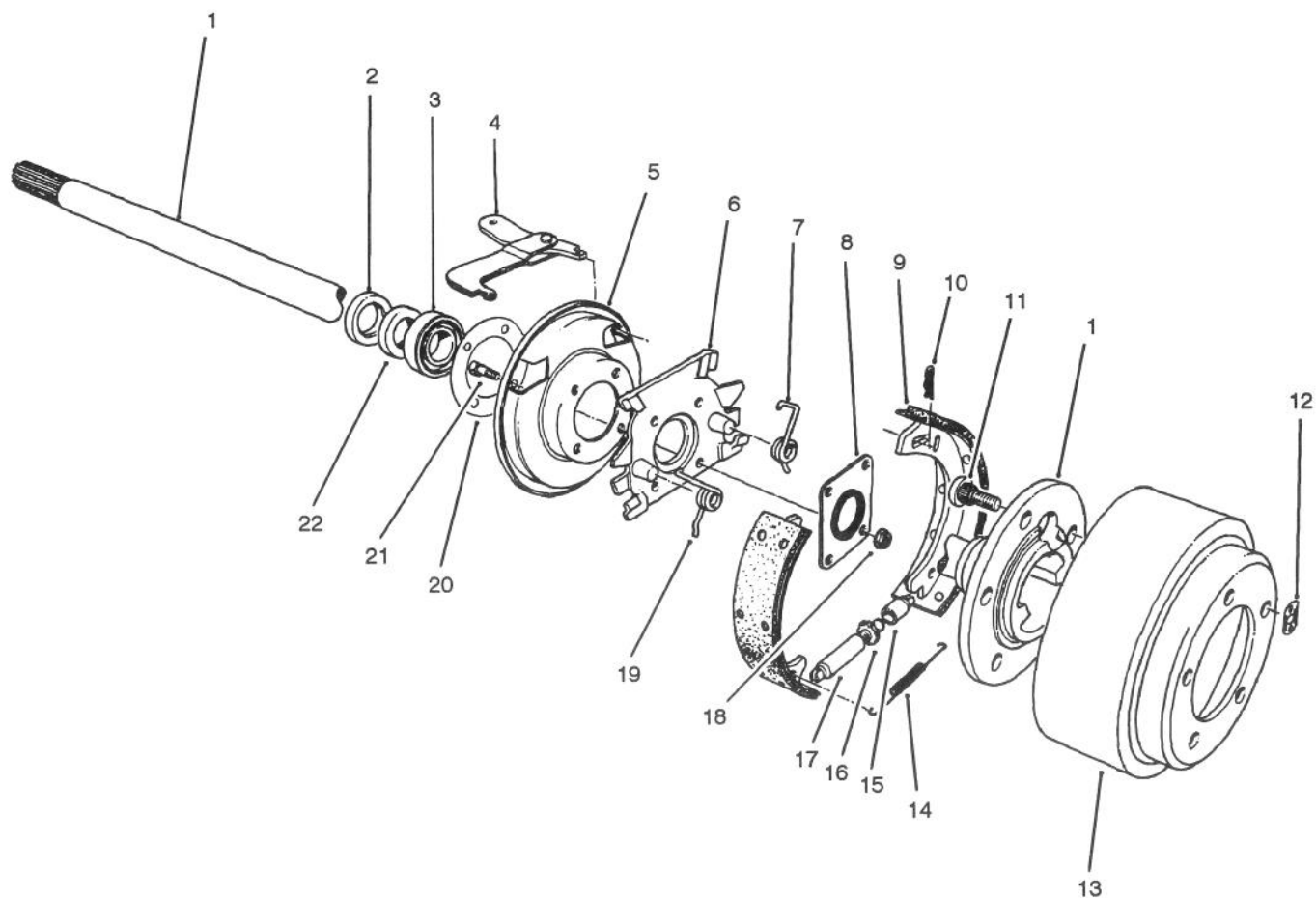
T-0919

DIFFERENTIAL ASSEMBLY NO. 86-9600 (Continued)

Ref. No.	Part No.	Description	No. Used
*22	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
*	46-2424	Shim - Front Pinion Bearing (.084)	A/R

Ref. No.	Part No.	Description	No. Used
*22	46-2425	Shim - Front Pinion Bearing (.086)	A/R
*	46-2426	Shim - Front Pinion Bearing (.088)	A/R
23	254-91	Bearing Cone	1
24	254-90	Bearing Cup	1
25	21-8020	Spacer - Pinion Bearing	1
26	86-9580	Upper Housing (Incl. Ref. #11)	1
27	254-66	Cup - Tapered Bearing	2
28	254-65	Cone - Tapered Bearing	2
29		Ring Gear	1
30	32121-15	Roll Pin	1
31	21-7700	Pinion Mate Shaft	1
32	21-7770	Drive Gear Screw	5
33	21-7670	Differential Case	1
34	43-6840	Lower Housing	1
35	21-8120	Adjustment Shim .030	A/R
36	21-8110	Adjustment Shim .010	A/R
37	21-8100	Adjustment Shim .005	A/R
38	21-8090	Adjustment Shim .003	A/R
39	72-9420	Vent Tube Assembly	1
*	43-6510	Gear & Pinion Assembly (Incl. Ref. #8 & 29)	1

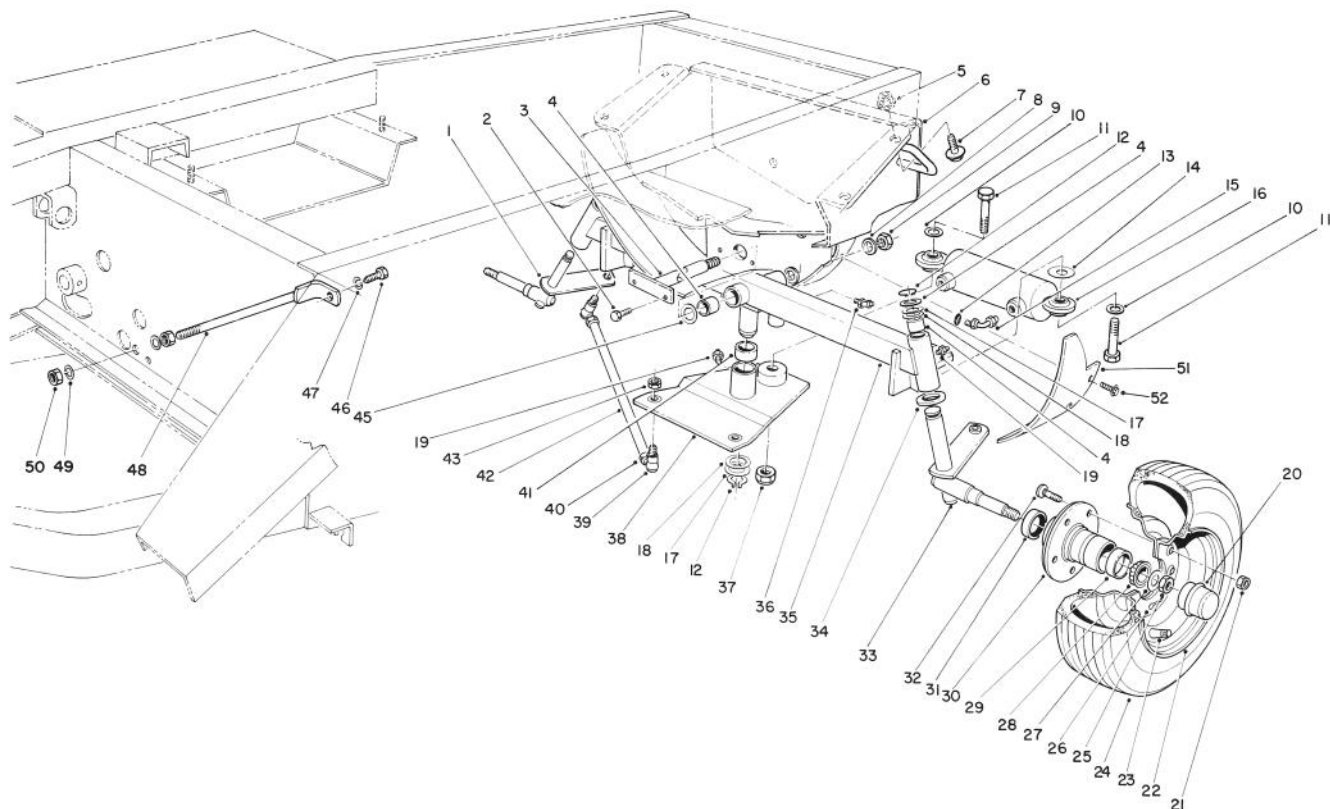
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T-0421

BRAKE ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	28-0650	Flanged Axle Shaft	2	12	21-8360	Clip - Retaining	2
2	92-1774	Oil Seal	2	13	28-0680	Brake Drum	2
3	21-8180	Bearing	2	14	21-9440	Spring - Adjusting Screw	2
4	24-9180	Strut & Lever Parking Brake	2	15	21-9390	Socket - Adjusting Screw	2
5	21-9450	Dust Shield	2	16	21-9370	Screw - Adjusting	2
6	43-6810	Torque - Spider	2	17	21-9380	Nut - Pivot	2
7	21-9430	Spring - Shoe Return R.H.	2	18	43-6800	Nut - Lock	8
8	28-0670	Oil Seal	2	19	21-9420	Spring - Shoe Return L.H.	2
9	84-8600	Shoe & Lining Assembly (Set of 4)	1	20	21-8320	Gasket - Wheel Bearing	2
10	21-9460	Retainer - Brake Lever	4	21	24-8840	Ring - Wheel Bearing	2
11	242-34	Axle Flange Stud	10	22	28-0660	Screw - Cap Hex. Hd.	8



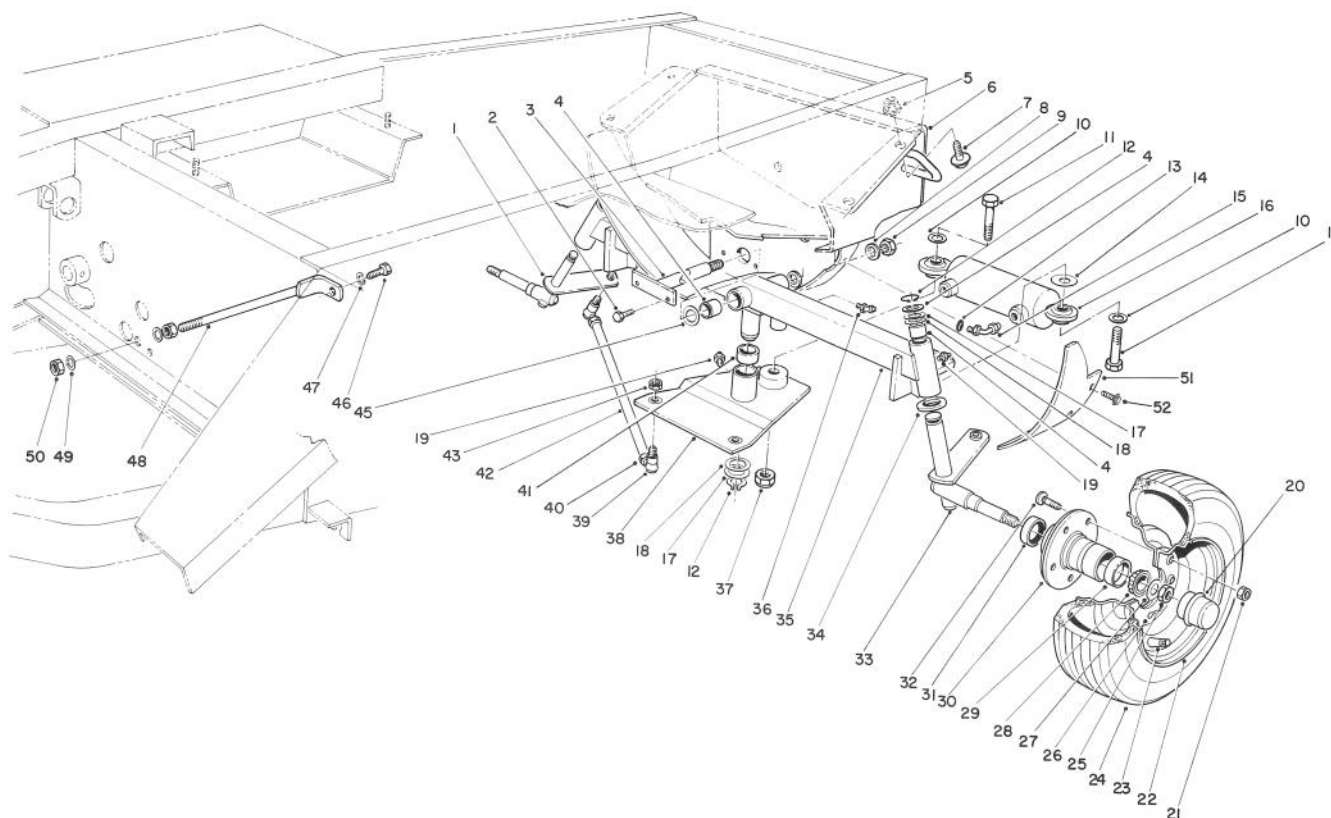
T-0422

REAR AXLE & WHEEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	63-9180	Spindle Assembly R.H.	1
2	3234-14	Screw - Cap Hex Hd.	2
3	67-8170	Pin - Rear Axle	1
4	67-1750	Bushing	6
5	32128-23	Nut - Lock Flange	4
6	67-8130	Support - Axle	1
7	3234-32	Screw - Cap Hex Flange	4
8	71-4540	Washer - Thrust	A/R
9	32146-20	Nut - Lock	1
10	67-9410	Washer - Flat	2
11	328-25	Screw - Cap Hex Hd.	2
12	32151-36	Ring - Retaining	3
13		O-Ring	1
14	67-7250	Spacer - Ring	1
15	340-54	Fitting 45°	2
16	63-9240	Cylinder - Hydraulic	1
17	5-1226	Washer	3
18	10-8110	Washer - Thrust	A/R
19	302-5	Fitting - Grease	3
20	241-119	Dust Cap	2
21	242-50	Nut - Wheel	10
22	217-106	Wheel	2
23	232-31	Valve Stem w/Cap	2
24	231-105	Tire	2
25	32136-5	Nut - Slotted	2
26	3272-13	Pin - Cotter	2

Ref. No.	Part No.	Description	No. Used
27	3256-28	Washer - Flat	2
28	254-94	Cone - Bearing	4
29	254-72	Cup - Bearing	4
30	21-2820	Hub Wheel (Incl. Ref. #29 & 32)	2
31	253-129	Closure	2
32	10-6830	Stud - Drive	10
33	63-9170	Spindle Assembly L.H.	1
34	256-121	Bushing - Thrust	2
35	67-9160	Axle - Rear (Incl. Ref. #4)	1
36	302-11	Fitting - Grease	1
37	32128-45	Nut - Lock	2
38	63-9220	Steering Pivot (Incl. Ref. #41)	1
39	21-0141	Socket Assembly R.H. Thd.	2
*	21-0151	Socket Assembly L.H. Thd.	2
40	3220-5	Nut - Jam R.H. Thd.	2
*	3220-12	Nut - Jam L.H. Thd.	2
41	256-242	Bushing	2
42	21-1990	Tie Rod Assembly	2
43	3220-3	Nut - Jam	8
45	56-2460	Washer	A/R
46	323-6	Screw - Cap Hex Hd.	1
47	3253-21	Washer - Lock	1
48	24-9830	Support Axle	1

*Not Illustrated

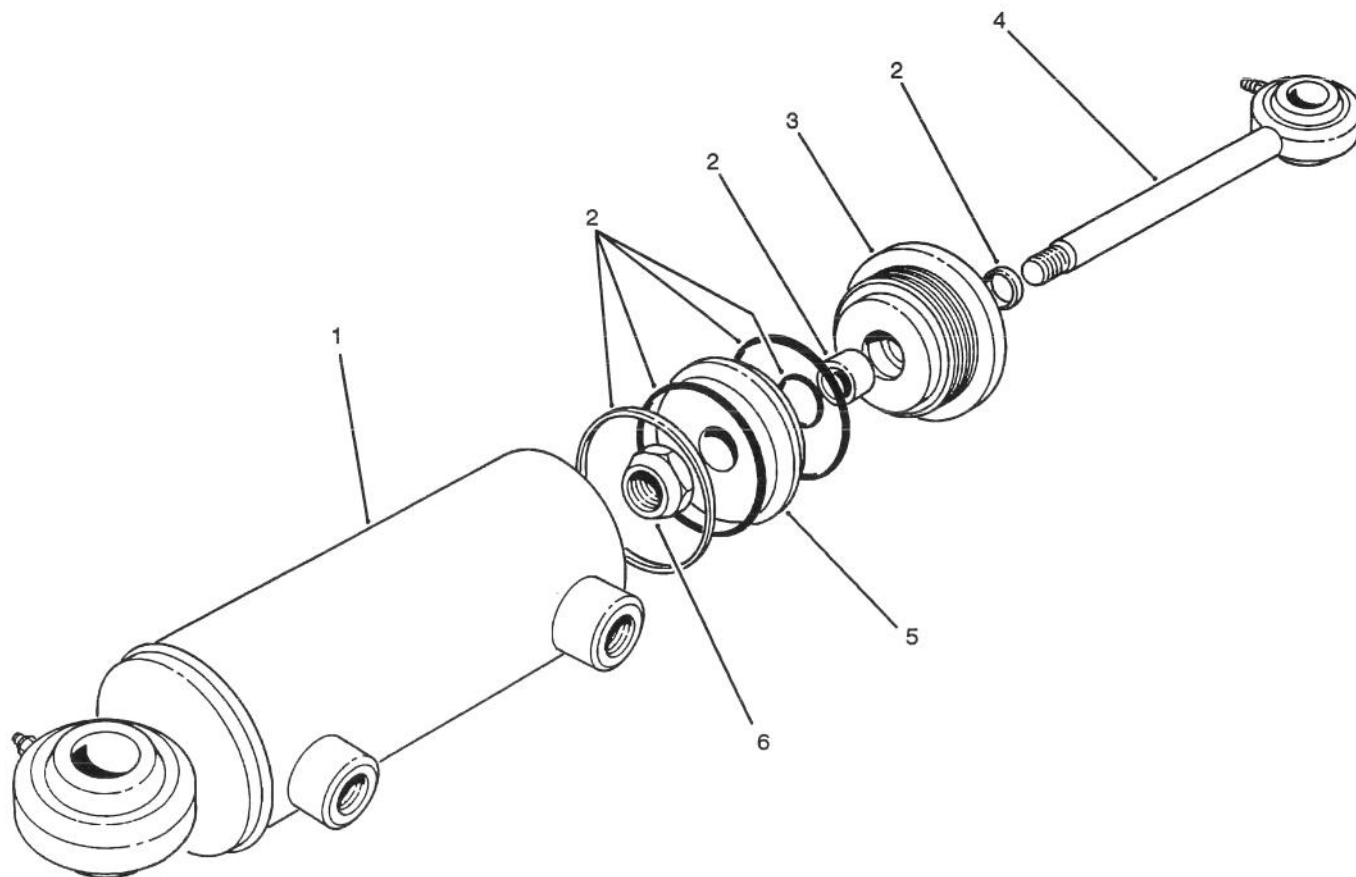


T-0422

REAR AXLE & WHEEL ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
49	3256-6	Washer - Flat	2
50	3217-9	Nut	2

Ref. No.	Part No.	Description	No. Used
51	71-4850	Cover Flywheel Guard	1
52	32144-10	Screw - Thd. Forming	2

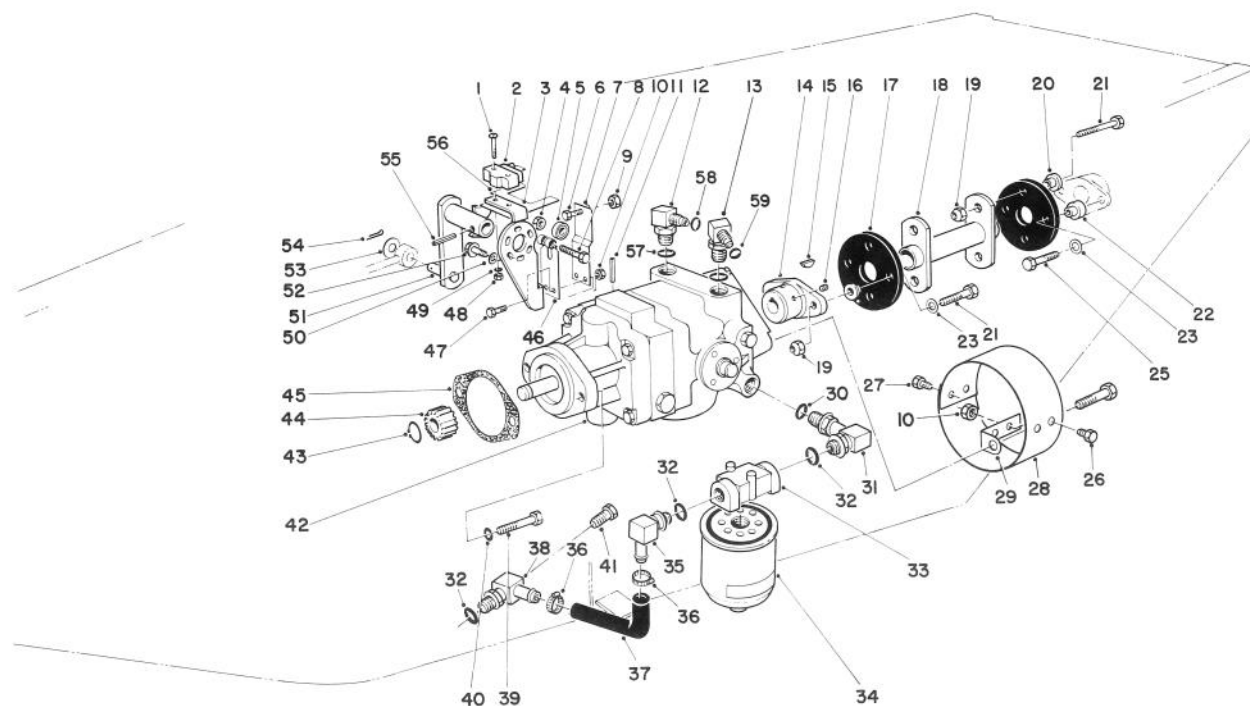


T-0423

HYDRAULIC STEERING CYLINDER ASSEMBLY NO. 63-9240

Ref. No.	Part No.	Description	No. Used
1		Tube Assembly	1
2	66-1960	Seal Kit	1
3	66-1950	Gland	1

Ref. No.	Part No.	Description	No. Used
4	66-1910	Piston Rod Assembly	1
5	66-1940	Piston	1
6	66-1930	Nut - Lock	1

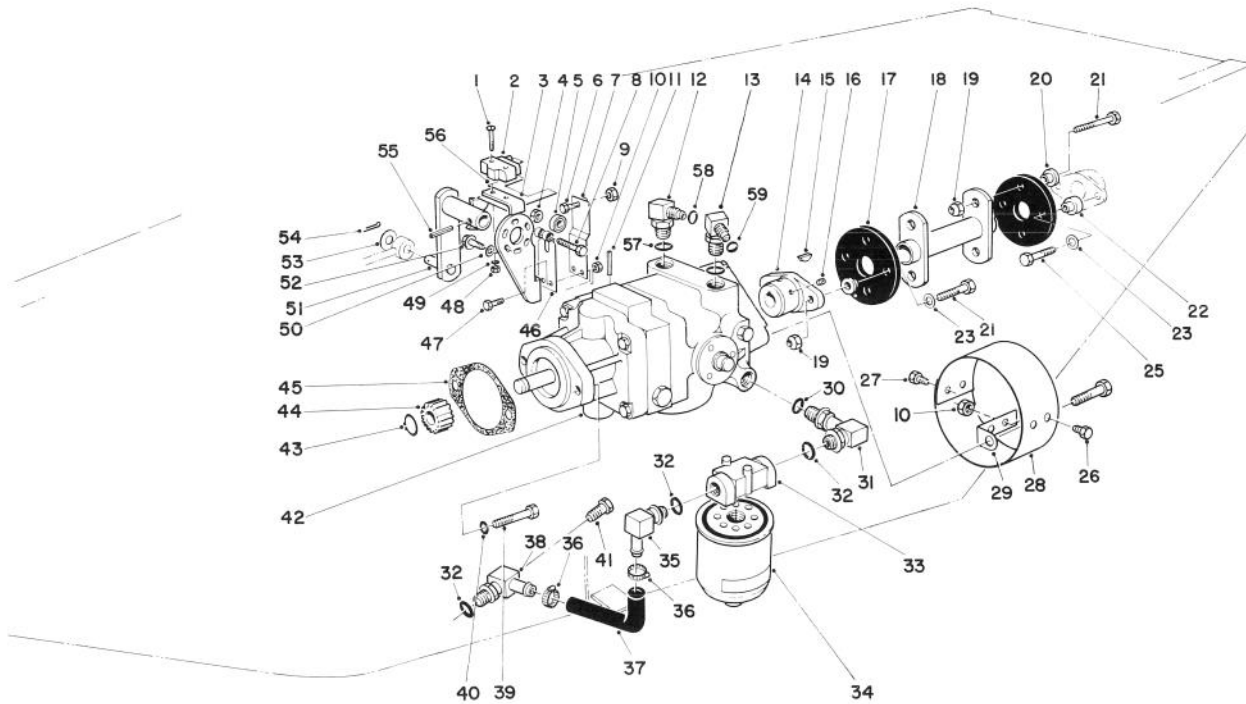


T-0424

HYDROSTATIC TRANSMISSION

Ref. No.	Part No.	Description	No. Used
1	3249-11	Screw - Mach. Rd. Hd.	2
2	29-6163	Micro Switch	1
3	29-6120	Pump Plate	1
4	3296-29	Nut - Lock	1
5	251-259	Ball Bearing	1
6	3210-7	Screw - Cap Hex. Hd.	1
7	29-6170	Extended Leaf Spring	1
8	322-17	Screw - Cap Hex. Hd.	1
9	3219-2	Nut - Hex	1
10	3296-42	Nut - Lock	6
11	32121-6	Pin - Roll	1
12	340-77	Elbow	1
13	340-99	Elbow	1
14	33-4380	Pump Hub	1
15	3257-32	Woodruff Key	1
16	3241-5	Screw - Set Sq. Hd.	2
17	44-2230	Rubber Coupling	
18	46-6390	Drive Coupling	1
19	32152-1	Nut - Lock	8
20	27-6600	Spacer - Rubber Coupling	6
21	322-6	Screw - Cap Hex. Hd.	6
22	27-6590	Spacer - Rubber Coupling	2
23	3256-3	Washer - Flat	4
24	3253-4	Washer - Lock	2
25	322-8	Screw - Cap Hex. Hd.	2
26	321-2	Screw - Cap Hex. Hd.	2

Ref. No.	Part No.	Description	No. Used
27	321-4	Screw - Cap Hex. Hd.	2
28	54-9300	Cover	1
29	54-9290	Bracket	2
30	237-80	O-Ring	1
31	68-8660	Elbow	1
32	237-81	O-Ring	3
33	68-8990	Head - Filter	1
34	67-8110	Oil Filter	1
35	353-987	Elbow	1
36	2412-34	Clamp - Hose	2
37	68-9650	Hose - Axle	1
38	70-2620	Elbow - 90°	1
39	323-7	Capscrew	2
40	3253-21	Washer - Lock	2
41	353-508	Plug - Drain	1
42	71-4370	Transmission - Inline	1
43	32120-72	Ring - Retaining External	1
44	86-7220	Gear Transmission Output	1
45	41-8760	Gasket Transmission	1
46	29-6150	Leaf Spring	1
47	321-6	Screw - Cap Hex. Hd.	2
48	3217-16	Nut - Hex.	2
49	3254-9	Washer - Lock	2
50	3255-7	Washer - Lock	3
51	28-9570	Pump Lever	1
52	11-9760	Screw - Self Tapping	3

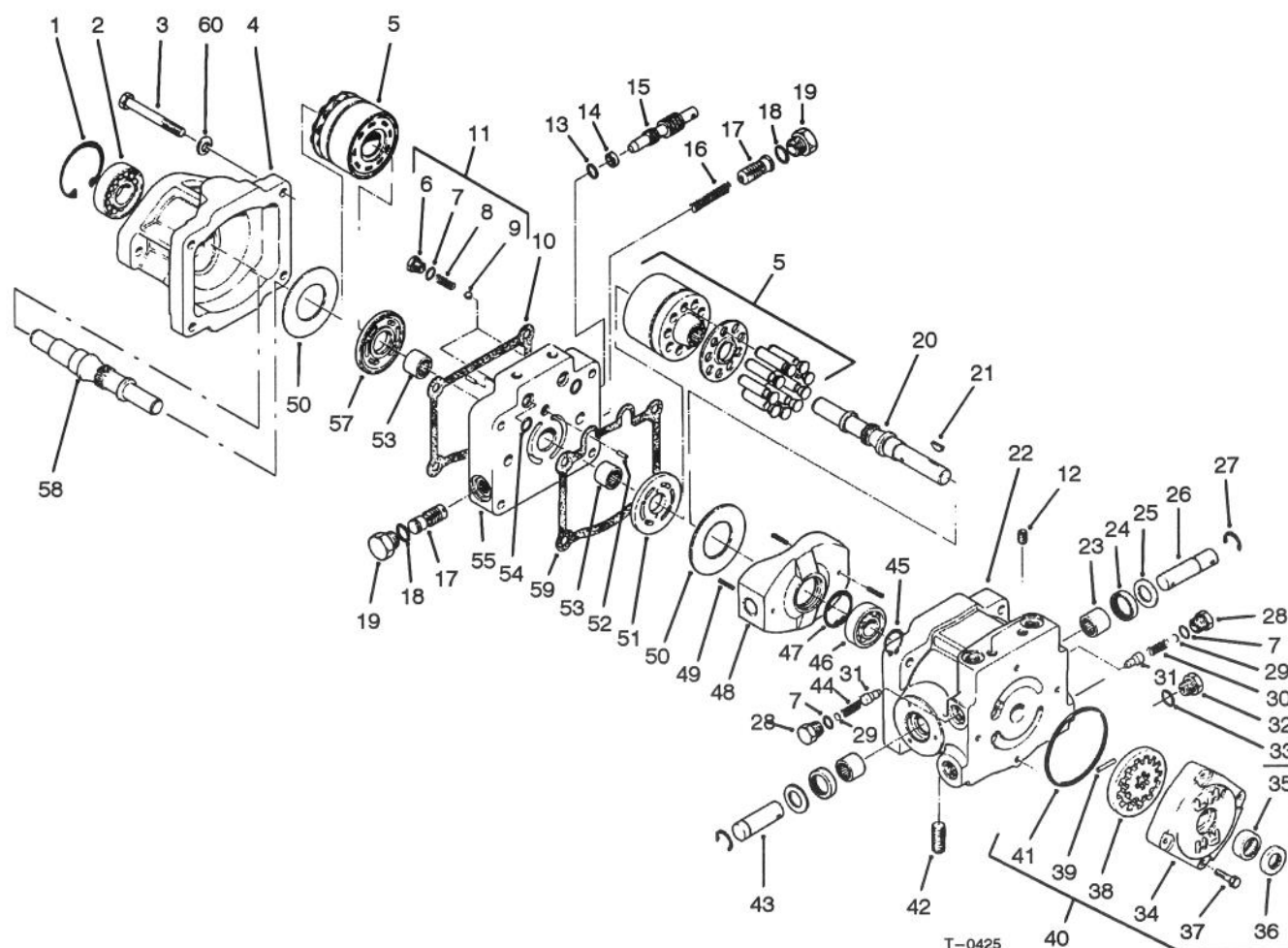


T-0424

HYDROSTATIC TRANSMISSION (Continued)

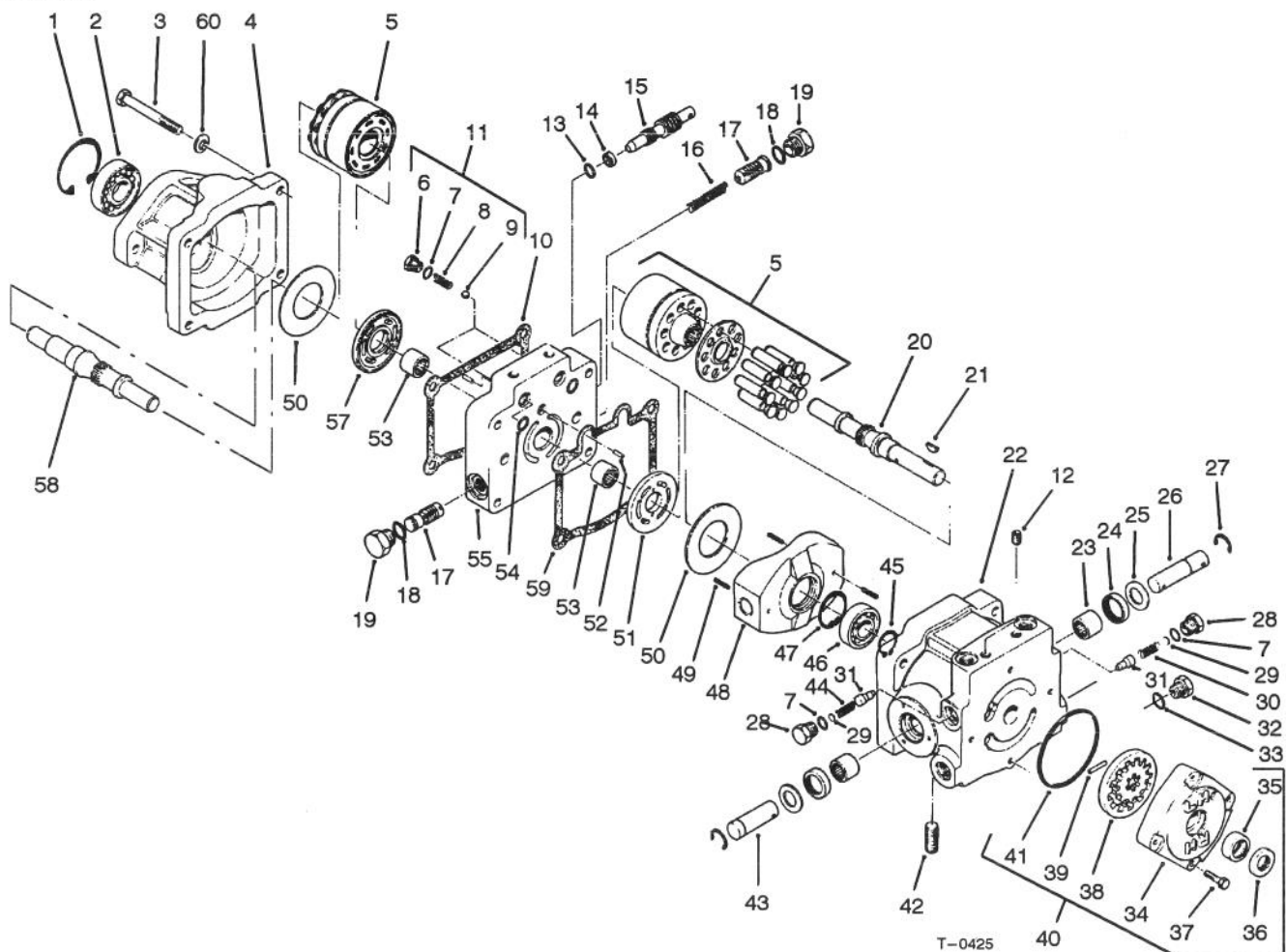
Ref. No.	Part No.	Description	No. Used
53	3256-6	Washer - Flat	1
54	3272-10	Cotter Pin	1
55	32121-24	Pin - Roll	1
56	46-8810	Stop - Leaf Spring	1

Ref. No.	Part No.	Description	No. Used
57	237-42	O-Ring	2
58	237-22	O-Ring	1
59	237-30	O-Ring	1



TRANSMISSION ASSEMBLY NO. 71-4370

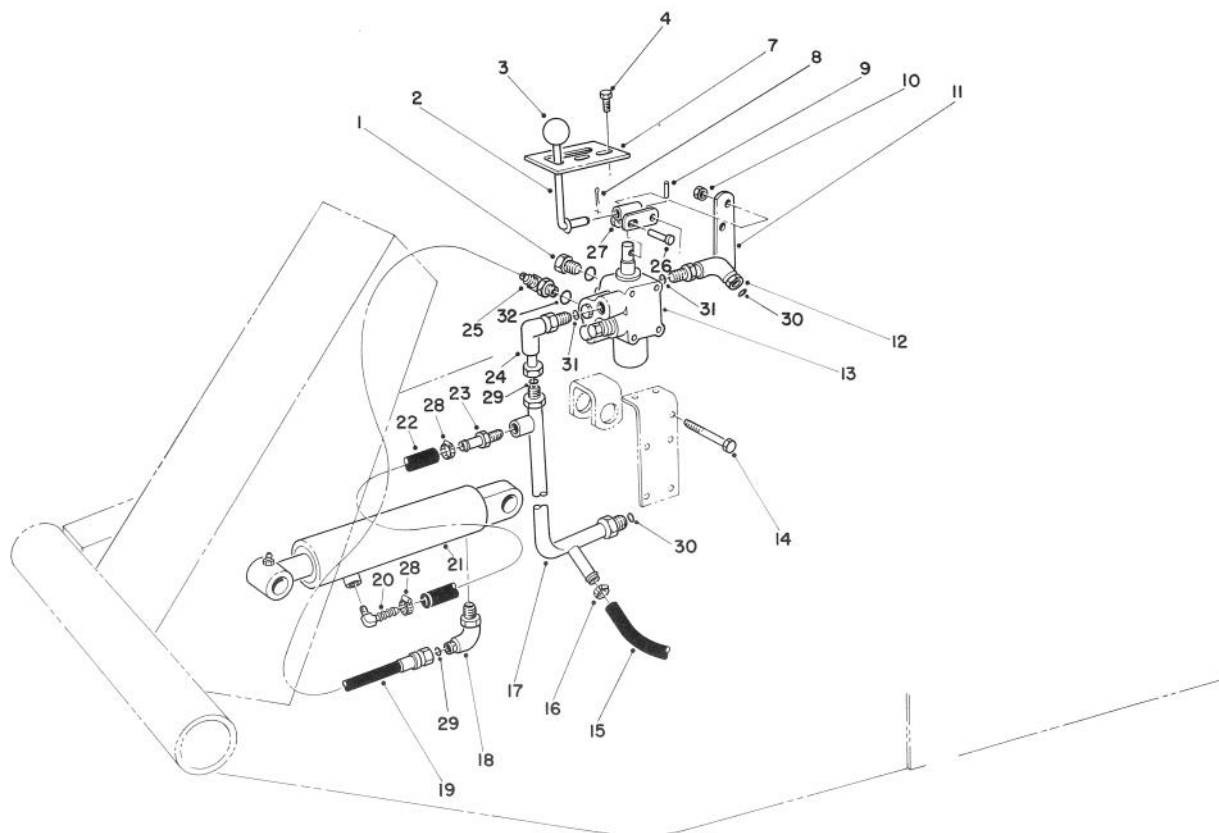
Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	32120-8	Retaining Ring	1	25	25-2510	Washer - Flat	2
2	72-3750	Ball Bearing	1	26	25-2580	Trunion Shaft	1
3	323-13	Screw - Cap Hex. Hd.	4	27	32151-46	Retaining Ring	2
4	67-9080	Motor Housing	1	28	25-2460	Plug - Hex. Hd.	2
5	48-1800	Cylinder Block Kit	2	29	25-2470	Shim Pack	2
6	25-2650	Check Valve Plug	2	30	25-2570	Valve Spring	1
7	237-86	O-Ring	4	31	25-2560	Relief Valve Cone	2
8	25-2640	Valve Spring	2	32	353-551	Plug - Hex. Hd.	1
9	25-2490	Ball	2	33	237-80	O-Ring	1
10	67-9100	Gasket	1	34	25-2550	Charge Pump Housing	1
11	25-3180	Check Valve Kit (Incl. Ref. #6-9)	2	35	67-8050	Needle Bearing	1
12	285-17	Pipe Plug	6	36	67-8060	Lip Seal	1
13	237-22	O-Ring	1	37	322-4	Screw - Cap Hex. Hd.	4
14	25-2630	Back-Up Ring	1	38	25-2680	Gerotor Assembly	1
15	25-2620	By-Pass Valve	1	39	25-2530	Headless Straight Pin	1
16	25-2610	Accel. Valve Spring	1	40	25-3190	Charge Pump (Incl. Ref. #34-39 & 41)	1
17	25-2410	Accel. Valve Assembly	2	41	237-95	O-Ring	1
18	76-1900	O-Ring	2	42	67-9090	Plug	1
19	353-550	Plug - Hex. Hd.	2	43	25-2500	Trunion Shaft	1
20	67-8020	Pump Shaft	1	44	25-2480	Valve Spring	1
21	3257-32	Woodruff Key	1	45	32120-15	Retaining Ring	1
22	54-7890	Pump Housing (Incl. Ref. #12 & 23-25)	1	46	251-8	Ball Bearing	1
23	252-82	Needle Bearing	2	47	32120-11	Retaining Ring	1
24	25-3210	Lip Seal	2	48	25-2450	Variable Swashplate	1
				49	32121-91	Pin - Coil Spring	3



TRANSMISSION ASSEMBLY NO. 71-4370 (Continued)

Ref. No.	Part No.	Description	No. Used
50	25-2380	Thrust Plate	2
51	25-2440	Pump Valve Plate	1
52	25-2430	Dowel Pin	2
53	46-8400	Needle Bearing	2
54	62-4290	O-Ring	2

Ref. No.	Part No.	Description	No. Used
55	25-2420	Center Section	1
57	25-2390	Motor Valve Plate	1
58	46-8410	Motor Shaft	1
59	25-2400	Gasket	1
60	74-9510	Washer	4

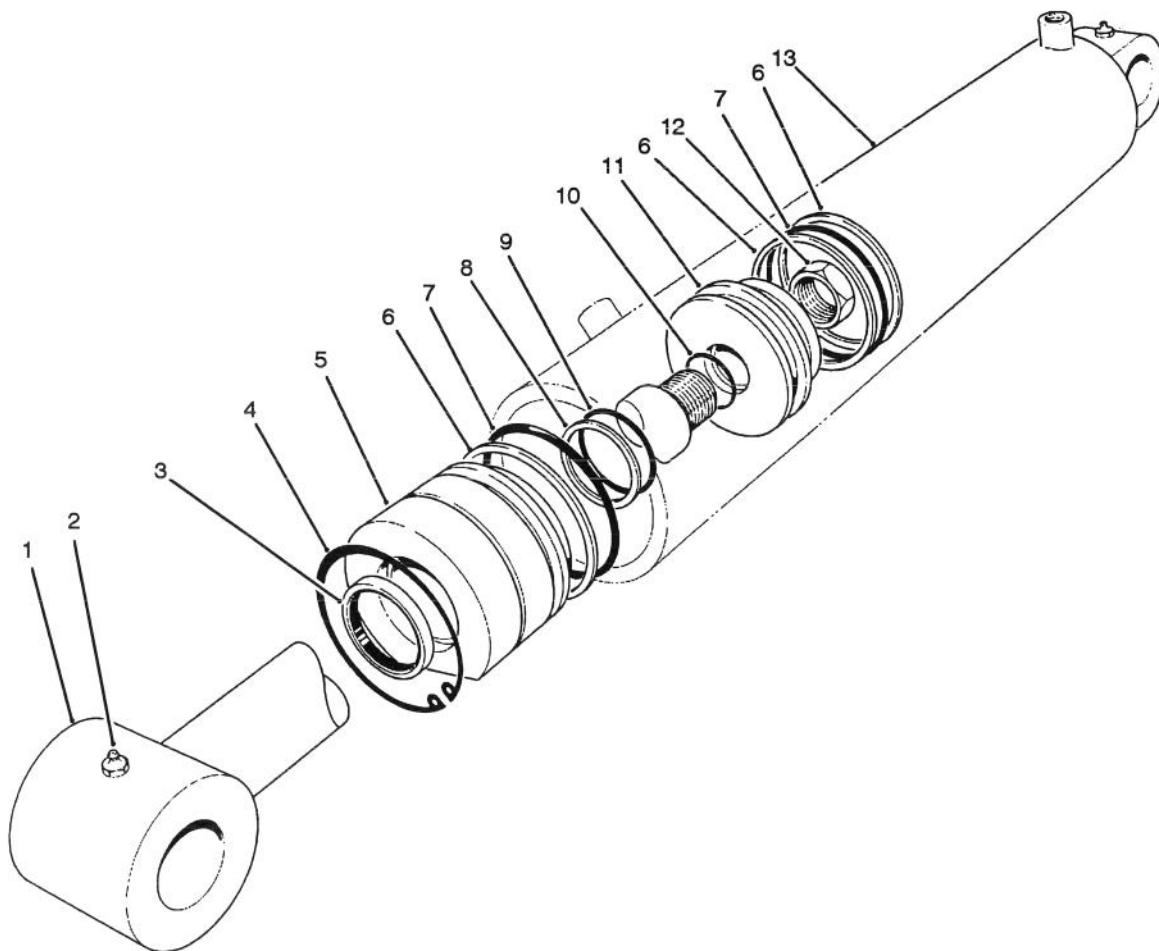


T-0426

VALVE & CYLINDER ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	353-512	Plug	1	20	304-75	Fitting - 90° Barb	1
2	21-8620	Lever Valve	1	21	62-4250	Cylinder - Hydraulic	1
3	233-21	Knob	1	*	66-1250	Cylinder - Hydraulic (Optional)	1
4	32144-10	Screw - Self Tapping	2	22	65-2970	Line - Gas	1
7	21-8640	Latch Valve Lever	1	23	304-73	Fitting - Straight Barb	1
8	3272-6	Cotter Pin	1	24	340-110	Elbow - 90°	1
9	32121-73	Pin - Slotted Spring	1	25	340-97	Fitting - 90°	1
10	3296-42	Nut - Lock	5	26	283-17	Pin	1
11	21-9010	Pivot Mount - Valve Lever	1	27	21-8590	Link - Valve Lever	1
12	340-99	Fitting - 90° Elbow	1	28	2412-108	Clamp - Hose	2
13	43-1710	Valve Assembly	1	29	237-22	O-Ring	2
14	321-23	Screw - Cap Hex. Hd.	5	30	237-30	O-Ring	2
15	63-8990	Hose	1	31	237-42	O-Ring	2
16	2412-36	Clamp Hose	1	32	237-78	O-Ring	2
17	63-9260	Manifold - Valve	1				
18	340-112	Elbow - 90°	1				
19	71-3580	Hose - Hydraulic (Valve to Cylinder)	1				

*Not Illustrated



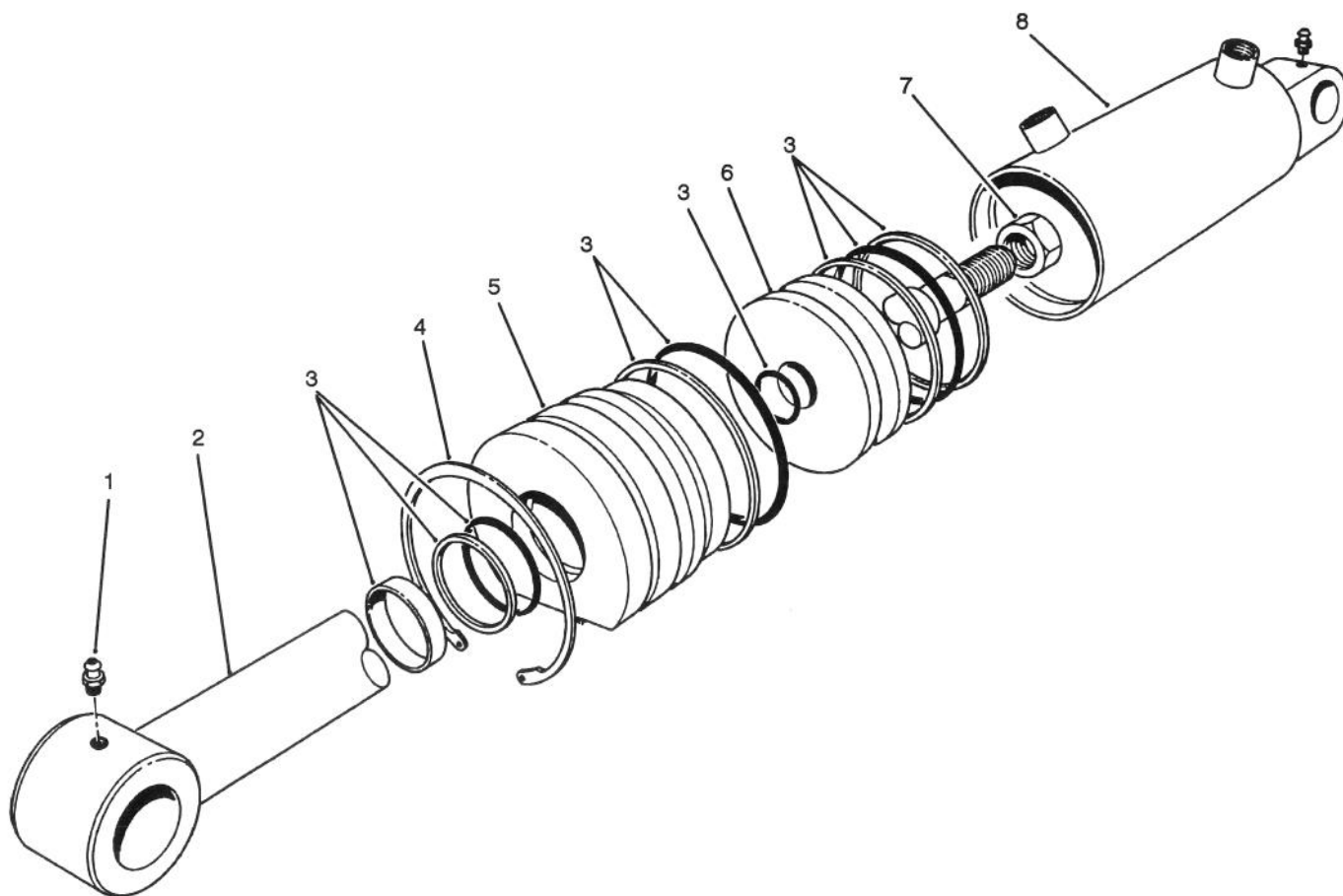
T-0859

HYDRAULIC LIFT CYLINDER ASSEMBLY NO. 62-4250 (2-1/2" Bore)

Ref. No.	Part No.	Description	No. Used
1	61-4980	Shaft - w/Clevis	1
2	302-55	Fitting - Grease	2
3		Seal - Dust	1
4	61-4990	Ring - Retaining	1
5	60-9780	Head	1
6		Ring - Back-up	3
7		O-Ring	2
8		Ring - Backup	1

Ref. No.	Part No.	Description	No. Used
9		O-Ring	1
10		O-Ring	1
11	60-9770	Piston	1
12	60-9760	Nut	1
†13		Barrel	1
*	61-4960	Seal Repair Kit (Incl. Ref. #3, 6-10)	1

†Not available separately..

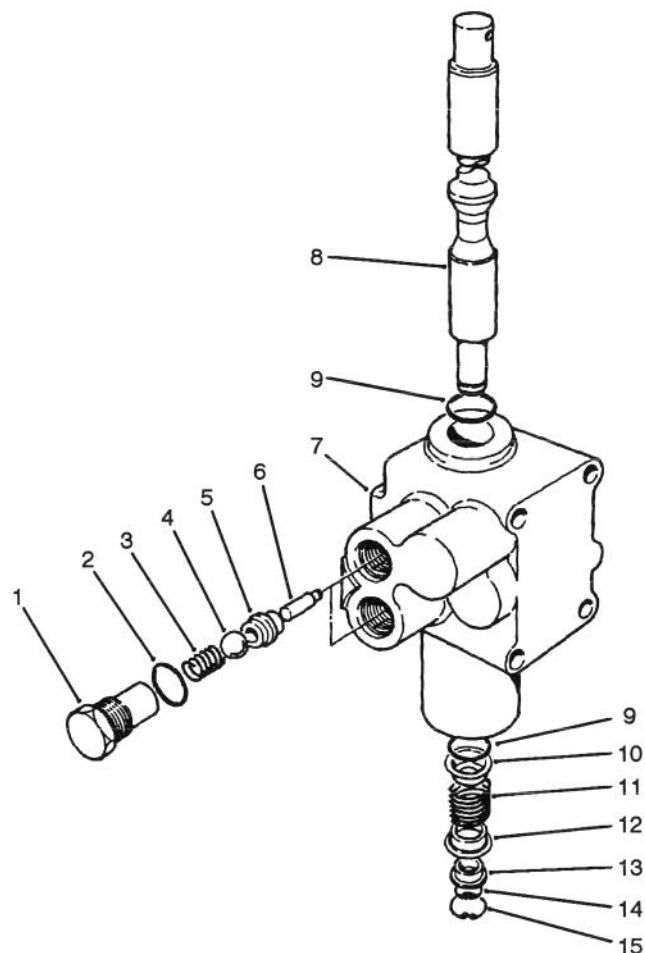


T-0527

HYDRAULIC LIFT CYLINDER ASSEMBLY NO. 66-1250 (3" Bore)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	302-55	Grease Fitting	2	5	67-5460	Head	1
2	67-5480	Shaft	1	6	67-5450	Piston	1
3	67-5500	Repair Kit	1	7	60-9760	Nut - Hex	1
4	67-5470	Ring - Retaining	1	*8		Barrel	1

*Not available separately.

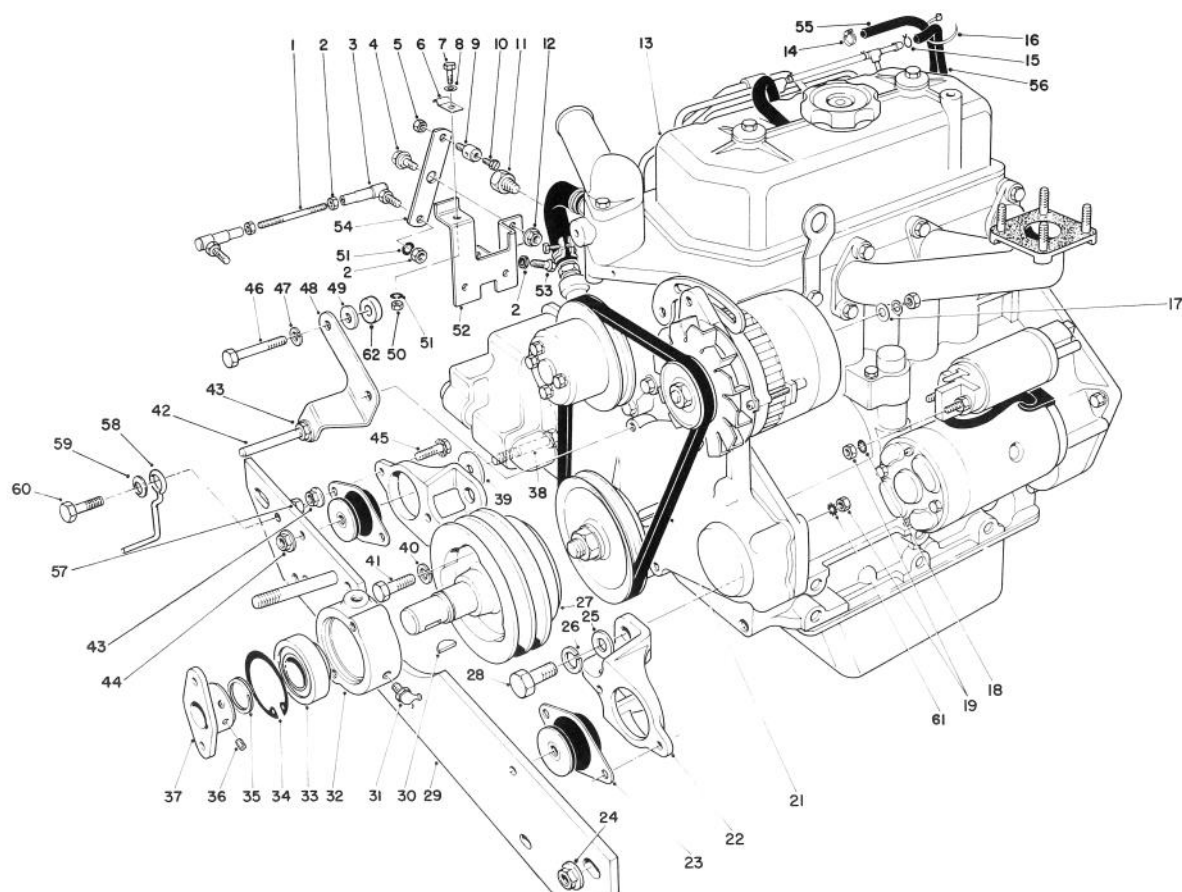


T-0428

CONTROL VALVE ASSEMBLY NO. 43-1710

Ref. No.	Part No.	Description	No. Used
1	22-8330	Plug	2
2	237-42	O-Ring	2
3	22-8340	Spring	2
4	22-8350	Ball	2
5	22-8370	Seat - Check Valve	2
6	22-8360	Pin - Cam	2
7	43-1730	Body	1

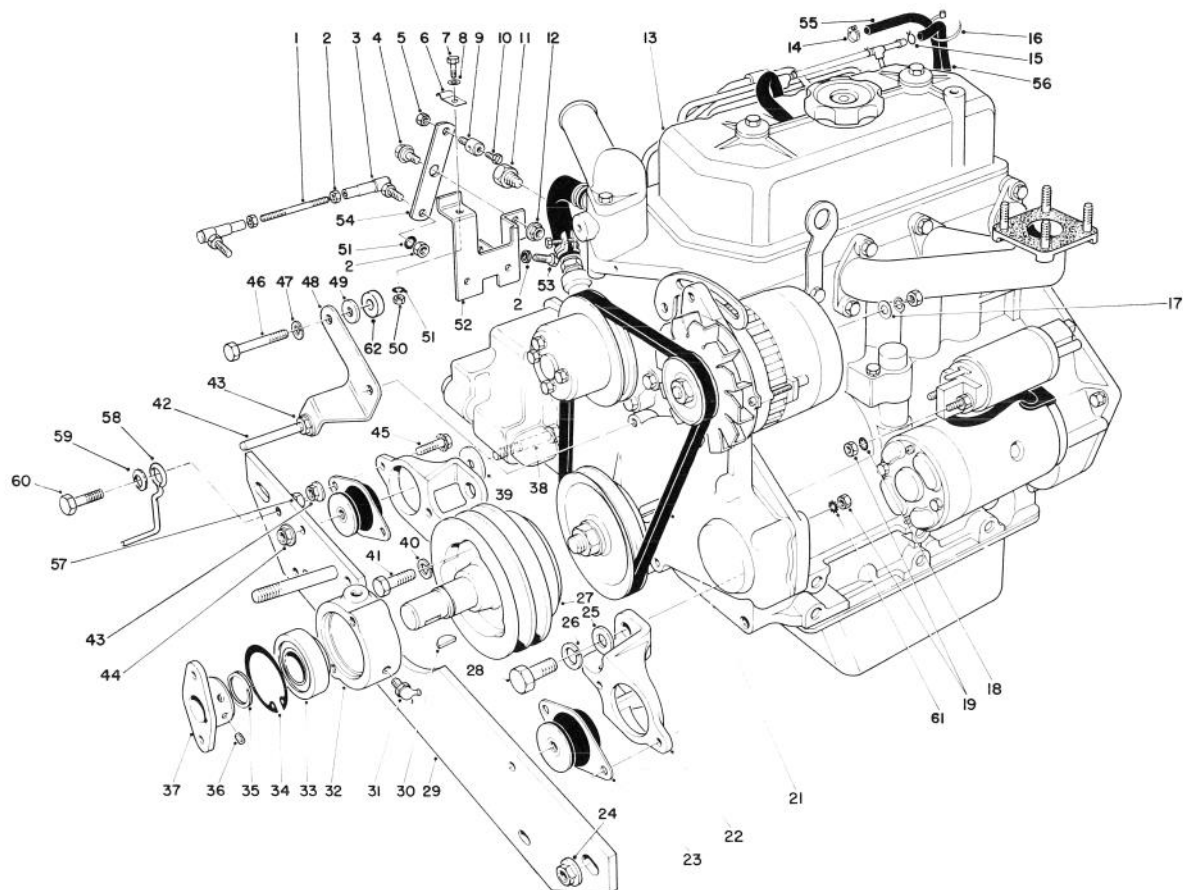
Ref. No.	Part No.	Description	No. Used
8	22-8420	Spool	1
10	22-8380	Spring Retainer	1
11	22-8410	Spring	1
12	22-8390	Spring Retainer	1
13	22-8400	Spacer Float	1
14	22-8480	Spring Ring Spool	1
15	22-8490	Snap Ring	1



T-0429

ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	43-3770	Link - Throttle	1	28	43-3210	Screw - Cap Hex. Hd.	4
2	3219-1	Nut	5	29	75-9900	Engine Support - Front	1
3	18-1720	Ball Joint Assembly	2	30	3257-33	Key Woodruff	1
4	37-8770	Bolt - Shoulder	1	31	302-10	Grease Fitting	1
5	3296-20	Nut - Lock	1	32	43-3720	Collar - Bearing	1
6	2412-31	Clamp - Bodine	1	33	251-252	Ball Bearing	1
7	321-4	Screw - Cap Hex. Hd.	1	34	32120-22	Ring - Retaining Internal	1
8	3256-22	Washer - Flat	1	35	32120-69	Ring - Retaining External	1
9	43-3780	Swivel - Throttle Control	1	36	3245-1	Screw - Set Socket Head	2
10	25-8640	Screw - Machine	1	37	27-1960	Hub - Engine	1
11	43-1940	Adapter - Temp. Gauge	1	38	324-12	Screw - Cap Hex. Hd.	2
12	32152-1	Nut - Lock Flange	1	39	53-9480	Washer	2
13	43-1440	Engine	1	40	42-9600	Washer - Lock	3
14	2412-108	Clamp - Worm Drive	1	41	43-3190	Screw - Cap Hex. Hd.	3
15	2412-79	Clamp	1	42	21-1820	Stud - Belt Retainer	2
16	3290-379	Cable Tie	1	43	3290-357	Nut - Lock Flange	7
17	5-3637	Washer	1	44	32128-37	Nut - Lock Flange	2
18	3254-2	Washer - Lock Int. Tooth	2	45	3234-11	Screw - Cap Hex. Hd.	4
19	42-9580	Nut	2	46	42-9510	Screw - Cap Hex. Hd.	2
21	42-9100	Belt Fan	1	47	3253-4	Washer - Lock	2
22	53-9710	Engine Mount	2	48	43-3790	Bracket Belt Guide	1
23	53-9680	Engine Mount - Rubber	2	49	4-2390	Washer	2
24	32128-23	Nut - Lock Flange	2	50	3217-5	Nut	1
25	3256-64	Washer - Flat	4	51	3253-3	Washer - Lock	3
26	43-5950	Washer - Lock	4	52	43-3730	Bracket Throttle Control	1
27	43-3510	Pulley - Engine	1	53	329-7	Screw - Cap Hex. Hd.	1

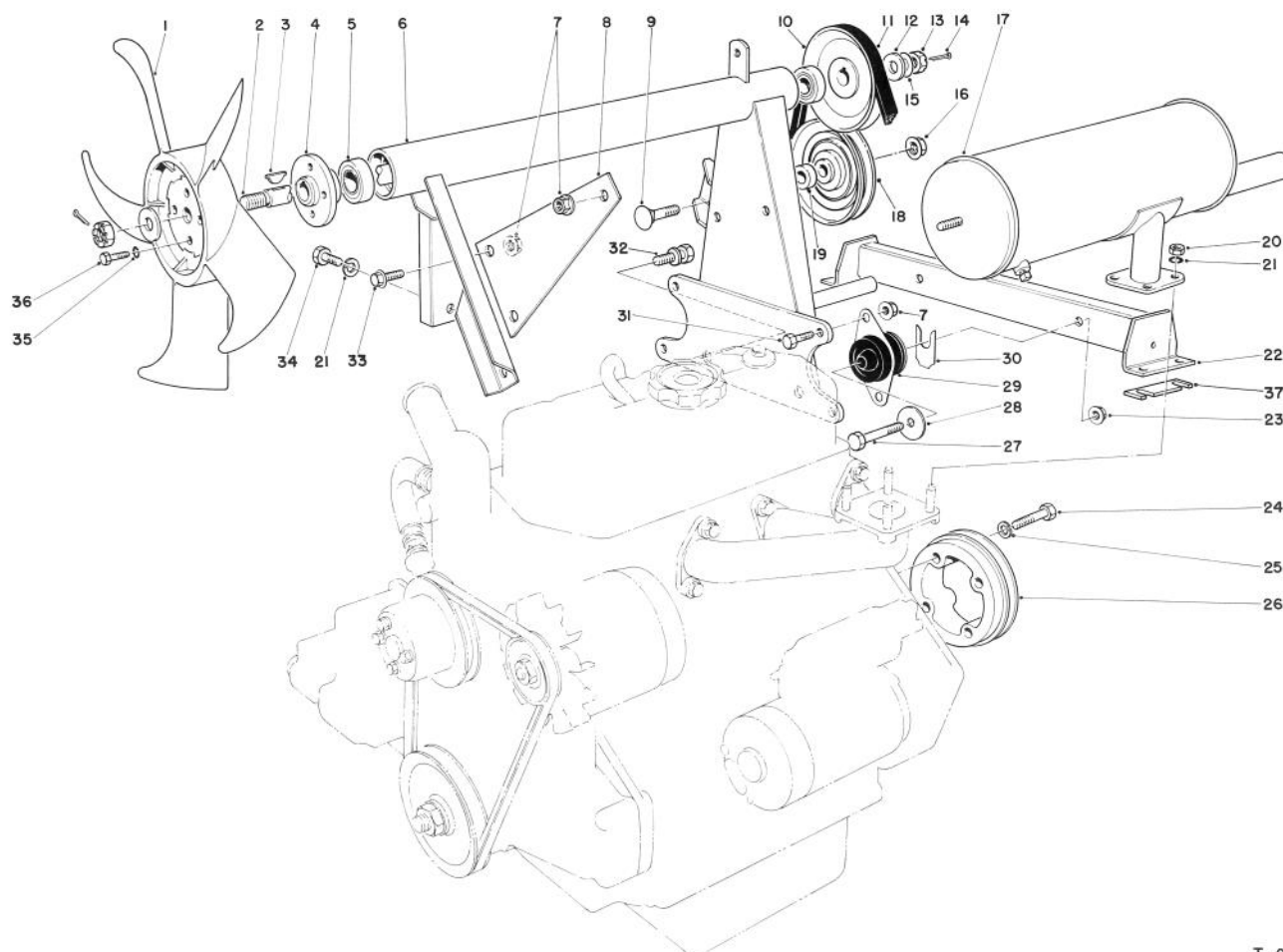


T-0429

ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
54	43-3760	Lever Throttle	1
55	47-7420	Hose	1
56	43-4230	Hose	1
57	32153-2	Nut - Lock	1
58	63-1400	Belt Guide	1

Ref. No.	Part No.	Description	No. Used
59	3290-224	Washer - Lock	1
60	3234-18	Screw - Cap Hex. Hd.	1
61	3255-9	Washer - Lock E.T.L.W.	1
62	5-0652	Spacer	2



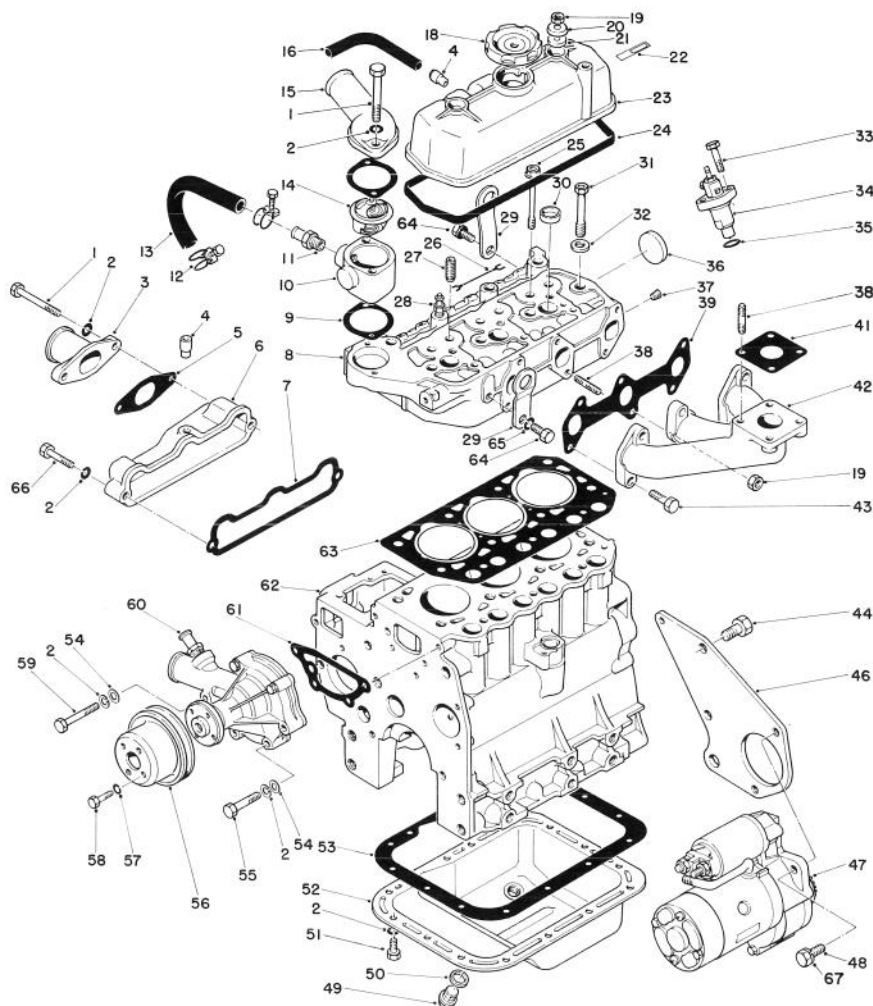
T-0430A

ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
1	43-1910	Fan - Cooling	1
2	43-3690	Fan - Shaft	1
3	3257-30	Key - Woodruff	2
4	43-3700	Hub-Fan	1
5	38-7820	Bearing	2
6	53-9750	Fan Mount	1
7	3290-357	Nut - Lock Flange	8
8	43-3870	Support - Muffler	1
9	3233-14	Bolt - Carriage	1
10	43-3880	Pulley	1
11	43-5910	V-Belt	1
12	29-8910	Washer	2
13	32136-3	Nut - Hex. Slotted	2
14	3272-16	Cotter Pin	2
15	3-6803	Washer	A/R
16	32128-23	Nut - Lock Flange	1
17	43-3850	Muffler	1
18	66-5310	Idler Pulley	1
19	66-5320	Spacer	1
20	42-9580	Nut	4

Ref. No.	Part No.	Description	No. Used
21	3253-4	Washer - Lock	5
22	77-3140	Engine Mount	1
23	32128-37	Nut - Lock Flange	2
24	43-3200	Screw - Cap Hex. Hd.	4
25	42-9600	Washer - Lock	4
26	43-3530	Pulley Flywheel	1
27	324-11	Screw - Cap Hex. Hd.	2
28	53-9480	Washer	2
29	53-9680	Engine Mount - Rubber	2
30	42-6080	Shim	A/R
31	3234-11	Screw - Cap Hex. Hd.	4
32	66-7030	Screw - Cap w/Washer	2
33	3234-12	Screw - Lock Flange	2
34	42-9230	Screw - Cap Hex. Hd.	1
35	3253-3	Washer - Lock	4
36	321-3	Screw - Cap Hex. Hd.	4
37	68-9110	Shim	A/R
*	68-9111	Shim	A/R
*	68-9112	Shim	A/R

*Not Illustrated

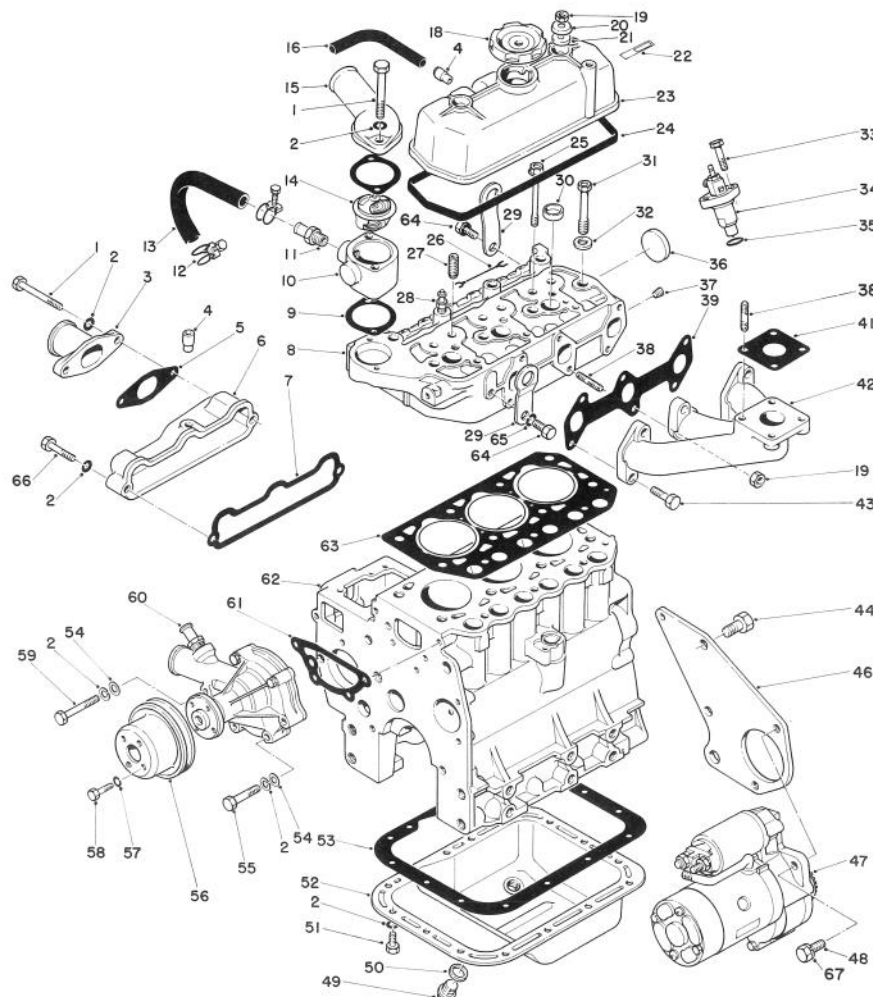


T-0431

ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
1	42-9310	Screw - Cp, Hex. Hd.	4
2	42-9850	Washer - Lock	24
3	42-9150	Pipe Inlet	1
4	42-7510	Pipe	2
5	42-9160	Gasket - Inlet Pipe	1
6	42-9120	Intake Manifold Assembly	1
7	42-9140	Gasket - Intake Manifold	1
8	72-4290	Head Assembl - Cylinder	1
9	42-7550	Gasket	2
10	43-1790	Fitting - Thermostat	1
11	42-7740	Nipple - Hose	1
12	43-3140	Clamp - Hose	2
13	43-3130	Hose - Water (Incl. Ref. #12)	1
14	43-1780	Thermostat	1
15	42-7540	Fitting - Water Outlet	1
16	42-7430	Pipe - Air Breather	1
18	42-7420	Cap - Oil Filter	1
19	42-9580	Nut (8)	3
20	42-9800	Washer	2
21	42-7490	Seal - Oil	2
22	42-7530	Label - Engine No.	1
23	42-7500	Cover Assembly - Rocker	1
24	42-7520	Gasket - Rocker Cover	1
25	42-9330	Bolt - Cylinder Head (10 x 90)	3

Ref. No.	Part No.	Description	No. Used
26	42-9180	Wire - Glow Plug Lead	2
27	42-7460	Guide - Valve	6
28	42-7480	Glow Plug	3
29	42-7440	Hanger - Engine	2
30	42-7080	Cap - Sealing (25)	3
31	42-9320	Bolt - Cylinder Head (12 x 98)	8
32	42-9790	Washer - Head Bolt	8
33	42-9390	Bolt (8 x 32)	6
34	44-8070	Nozzle & Holder Assembly	3
35	42-8120	Gasket - Nozzle Holder	3
36	42-7090	Cap - Sealing (45)	1
37	42-7410	Plug - Taper 1/8	1
38	42-9570	Stud (8 x 25)	5
39	42-9170	Gasket - Exhaust Manifold	1
41	42-9110	Gasket	1
42	43-1870	Manifold - Exhaust	1
43	42-9520	Screw - Cap (8 x 30)	5
44	42-9240	Screw - Cap (12 x 28)	3
46	43-1770	Plate - Rear	1
47	46-7610	Starter Assembly	1
48	43-0090	Screw - Cap (10 x 25)	2
49	42-9260	Plug - Oil Drain	1
50	42-7290	Gasket - Oil Drain Plug (18)	1
51	42-9230	Screw - Cap (8 x 16)	15

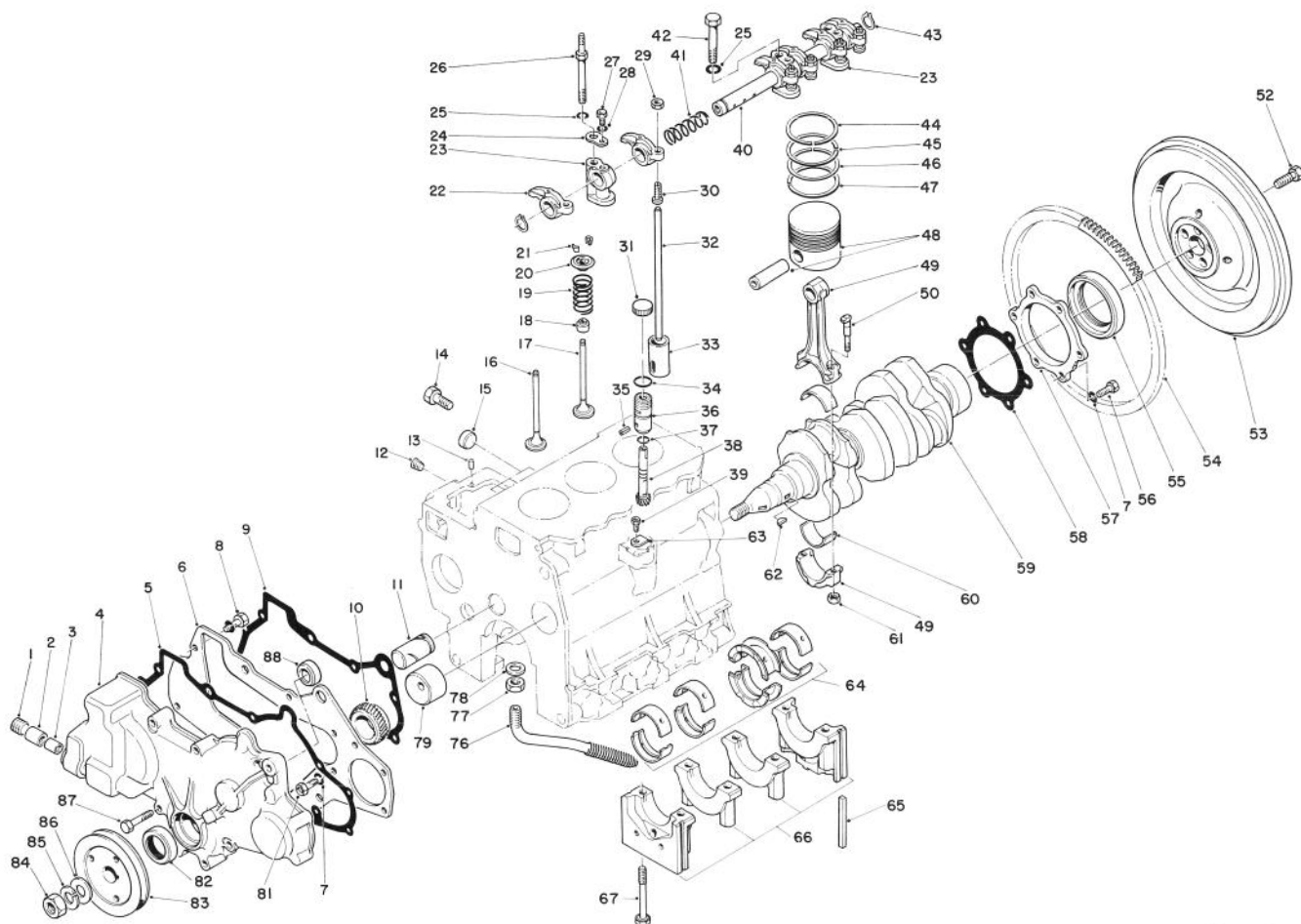


T-0431

ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
52	42-7280	Oil Pan Assembly (Inc. Ref. #49 & 50)	1	60	42-9080	Water Pump Assembly	1
53	42-7300	Gasket - Oil Pan	1	61	42-9090	Gasket - Water Pump	1
54	42-9660	Washer - Plain (8)	4	62	48-2020	Cylinder Block Sub Assy.	1
55	42-9500	Screw - Cap (8 x 45)	3	63	42-7470	Gasket - Cylinder Head	1
56	42-9070	Pulley - Water Pump	1	64	42-9300	Screw - Cap (10 x 20)	2
57	43-5930	Washer - Lock	4	65	42-9600	Washer - Lock	2
58	42-9490	Screw - Cap (6 x 12)	4	66	42-9530	Screw - Cap (8 x 40)	1
59	42-9510	Screw - Cap (8 x 60)	1	67	42-9600	Washer - Lock	2
				*	42-9200	Complete Gasket Set	1

*Not Illustrated



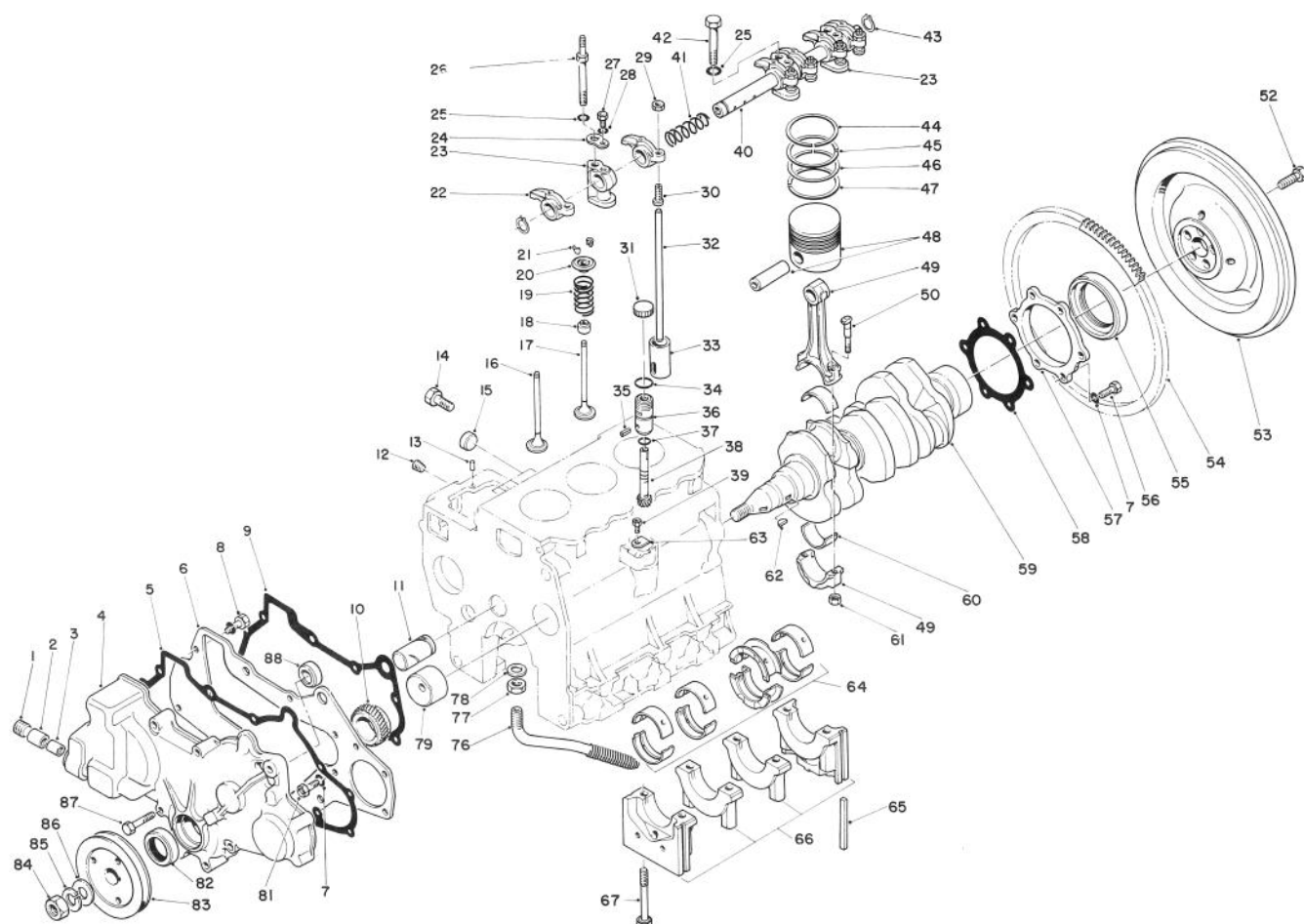
T-0432A

ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	42-7400	Plug - Taper	1	26	42-9360	Bolt	2
2	42-7320	Bearing - Needle	1	27	42-9350	Screw - Cap Hex. Hd.	2
3	42-7310	Bearing - Needle	1	28	43-5930	Washer - Lock	2
4	42-7330	Case - Gear	1	29	42-9620	Nut - Jam	6
5	42-7340	Gasket - Gear Case	1	30	42-7980	Screw - Adjusting	6
6	62-3740	Plate - Front	1	31	49-7990	Cap - Shipping	1
7	42-9850	Washer - Lock	11	32	42-7920	Rod - Push	6
8	62-3730	Screw - Cap w/Washer	2	33	42-7890	Tappet	6
9	42-7150	Gasket - Front Plate	1	34	42-9010	O-Ring	1
10	42-7700	Gear - Crankshaft	1	35	42-8970	Pin - Spring	1
11	42-7110	Shaft - Idler	1	36	42-8980	Sleeve - Gear	1
12	42-7210	Plug - Taper	3	37	42-8990	O-Ring	1
13	42-7030	Pin - Dowel	2	38	42-9440	Gear - Driven	1
14	42-9250	Screw - Cap Hex. Hd.	4	39	42-9440	Screw - Cap Hex. Hd.	1
15	42-7080	Cap - Sealing	2	40	42-7960	Shaft Assembly - Rocker	1
16	42-7900	Valve - Intake	3	41	42-7930	Spring - Rocker Shaft L.H.	1
17	42-7910	Valve - Exhaust	3	42	42-9370	Screw - Cap Hex. Hd.	1
18	42-7870	Seal - Valve Stem	6	43	42-7990	Ring - Snap	2
19	42-7880	Spring - Valve	6	44	72-4200	Ring - Set - Piston Std.	3
20	42-7850	Retainer - Valve Spring	6	45	72-4210	Ring Set - Piston 0.25 (.010 in.) 0.5.	3
21	42-7860	Lock - Spring Retainer	12	46	72-4220	Ring Set - Piston 0.50 (.020 in.) 0.5.	3
22	42-7940	Arm - Rocker	6	47	72-4230	Ring Set - Piston 0.75 (.030 in.) 0.5.	3
23	42-7970	Stay - Rocker	3				
24	42-7950	Washer - Seat	2				
25	42-9600	Washer - Spring	3				

*Not Illustrated

†Not Serviced Separately



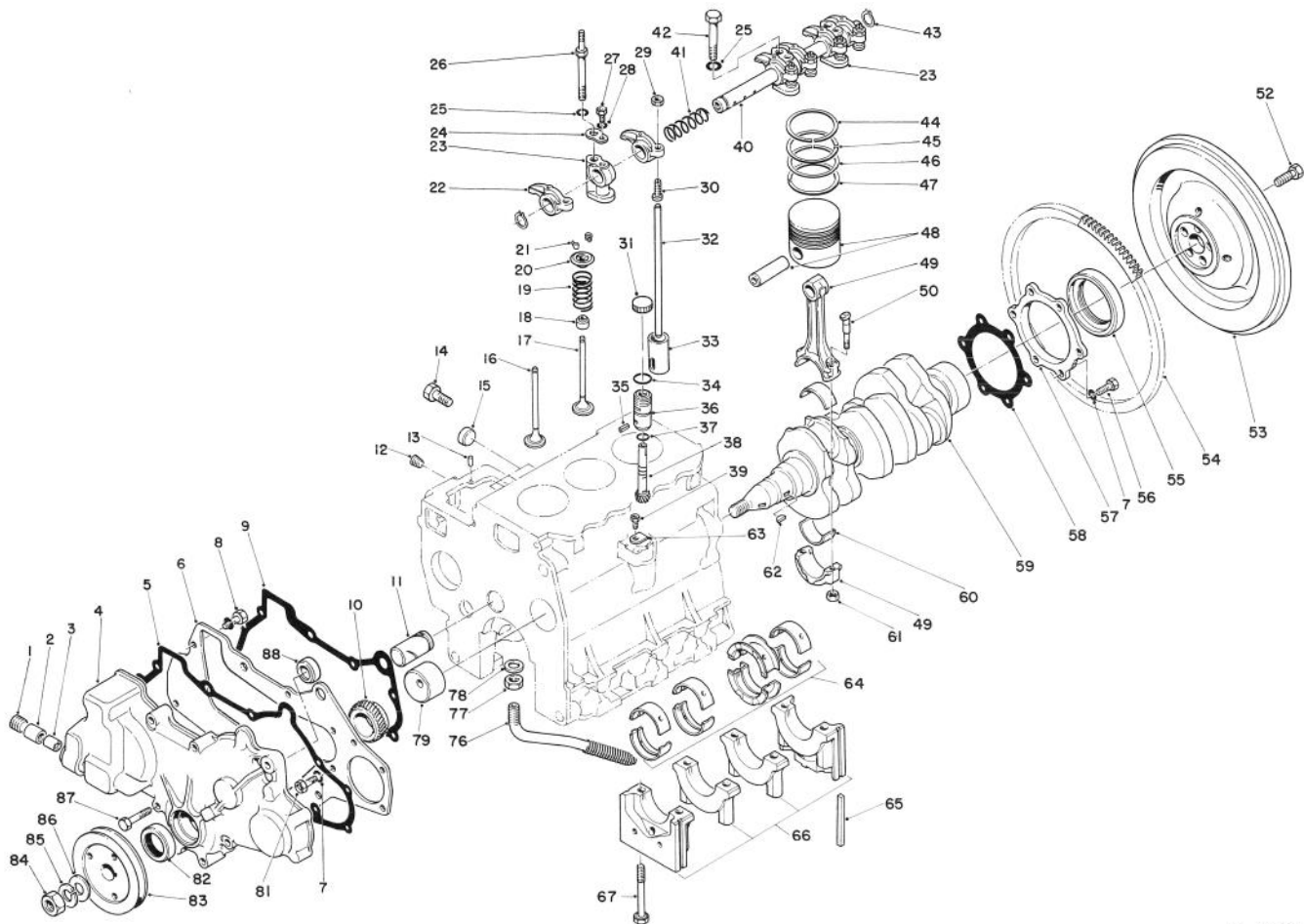
T-0432A

ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
48	72-4240	Piston & Piston Pin Std.	3	*60	42-7690	Bearing Set	
*	72-4250	Piston & Piston Pin	3			Connecting Rod	
		0.25 (.010 in.) 0.5.				0.75 (.030 in.) U.S.	3
*	72-4260	Piston & Piston Pin	3	61	42-9590	Nut - Connecting Rod	6
		0.50 (.020 in.) 0.5.		62	42-7730	Key - Woodruff	2
*	72-4270	Piston & Piston Pin	3	63	42-9020	Plate - Locking	1
		0.75 (.030 in.) 0.5.		64	42-7230	Bearing Set	
49	42-7650	Connecting Rod Assembly	3			Crankshaft Std.	1
50	42-9470	Bolt - Connecting Rod	6	*	42-7240	Bearing Set - Crankshaft	
52	54-8670	Bolt - Flywheel	5			0.25 (.010 in.) U.S.	1
53	43-1800	Flywheel	1	*	42-7250	Bearing Set - Crankshaft	
		(Incl. Ref. #54)				0.50 (.020 in.) U.S.	1
54	43-1810	Gear - Ring	1	*	42-7260	Bearing Set - Crankshaft	
55	42-7060	Seal - Oil	1			0.75 (.030 in.) U.S.	1
56	42-9220	Screw - Cap Hex. Hd.	6	65	42-7040	Seal - Side	4
57	42-7120	Case - Oil Seal	1	†66		Bearing Cap Assembly	1
58	42-7130	Gasket - Oil Seal	1	67	42-9210	Bolt - Bearing Cap	8
59	42-7710	Crankshaft	1	76	48-2010	Screen - Assembly Oil	1
60	42-7660	Bearing Set		77	48-1990	Nut - Jam	1
		Connecting Rod Std.	3	78	48-1980	Gasket	1
*	42-7670	Bearing Set		79	42-7100	Bushing - Camshaft	1
		Connecting Rod		81	42-9230	Screw - Cap Hex. Hd.	3
		0.25 (.010 in.) U.S.	3	82	42-7390	Seal - Oil	1
*	42-7680	Bearing Set		83	42-7720	Pulley - Crankshaft	1
		Connecting Rod		84	43-6470	Nut	1
		0.50 (.020 in.) U.S.	3	85	42-9860	Washer - Spring	1

*Not Illustrated

†Not Available



T-0432A

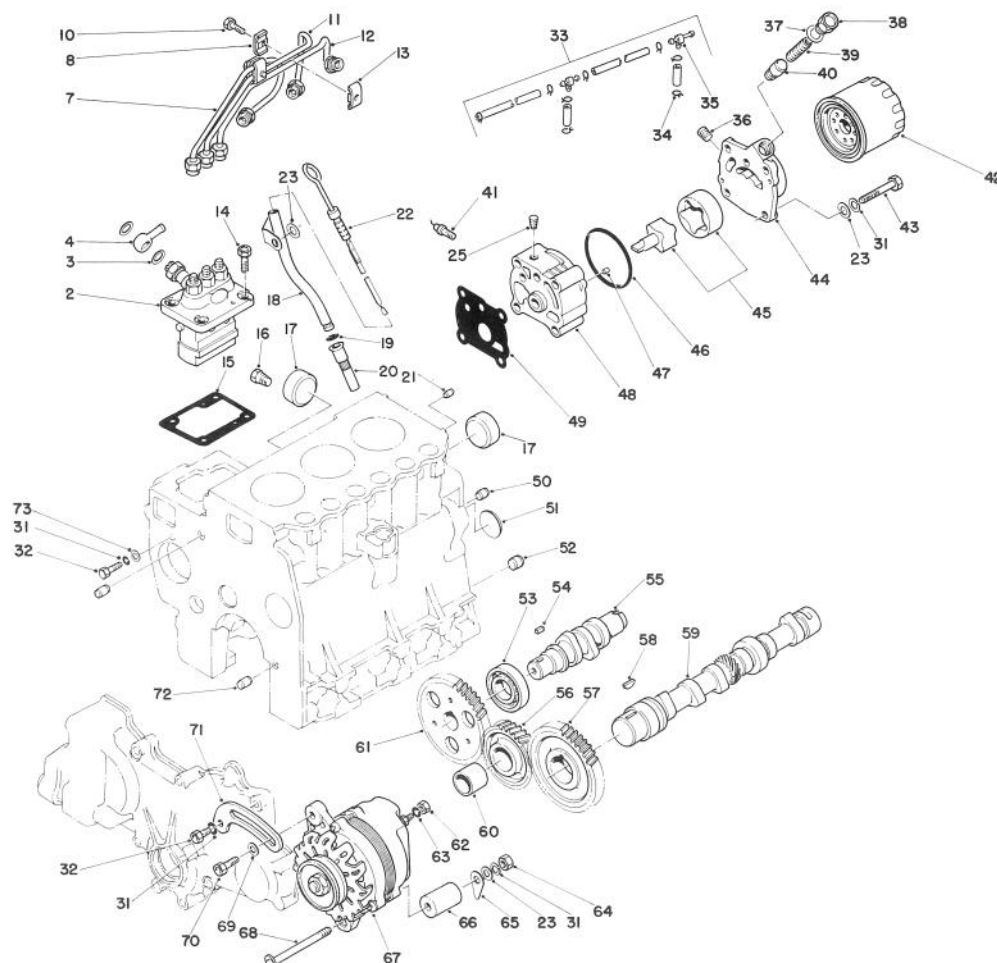
ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
86	42-9810	Washer - Flat	1
87	42-9500	Screw - Cap Hex. Hd.	8

Ref. No.	Part No.	Description	No. Used
88	82-2590	Plug - Thrust	1
*	42-8960	Driven Unit - Speedometer (Incl. Ref. #34-38)	1

*Not Illustrated

†Not Available

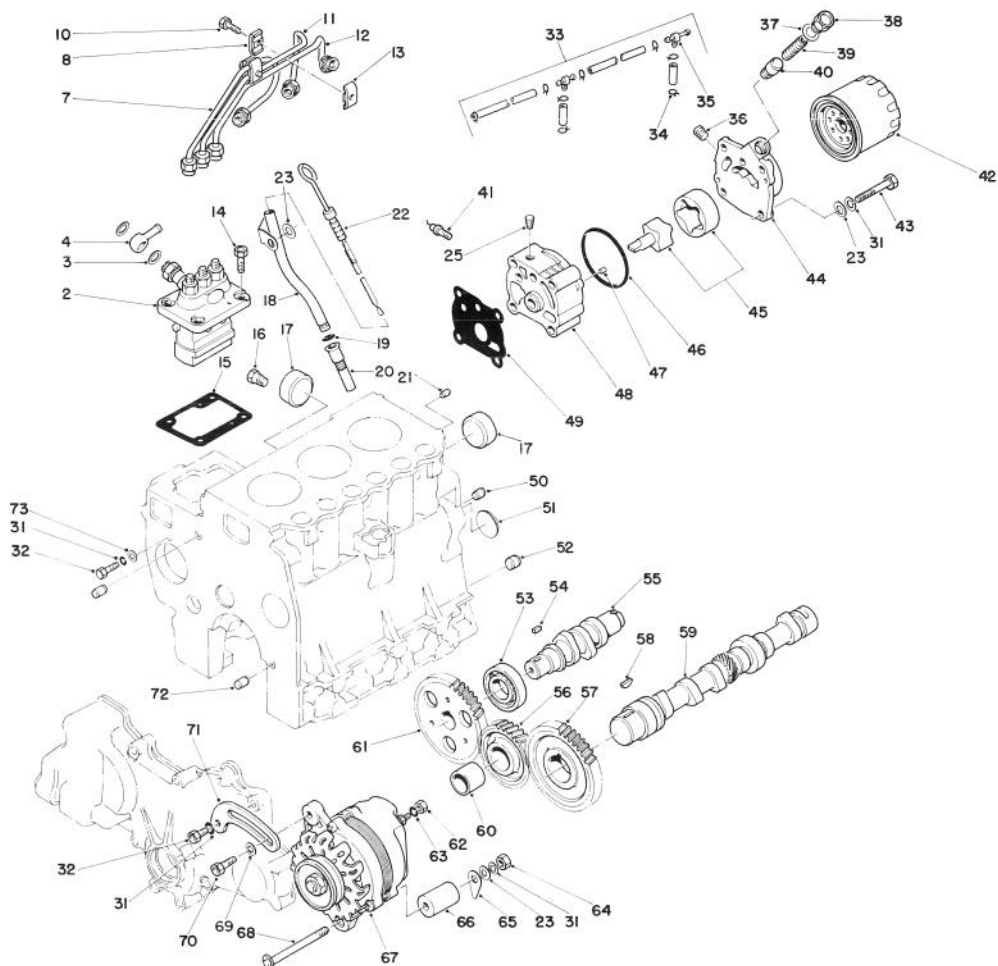


T-0433

ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
2	42-8000	Pump Assy. - Fuel Injection	1	20	43-2900	Retainer - Oil Level Guide	1
3	42-9830	Washer - Seal	2	21	42-71 60	Pin - Dowel	1
4	42-8100	Collar - Union	1	22	42-7270	Gauge Assy. - Oil Level	1
7	42-8130	Pipe Assy. - Fuel Injection (No. 1)	1	23	42-9660	Washer - Flat	6
8	42-8160	Clamp	2	25	42-7410	Plug - Taper	1
10	43-2600	Capscrew	2	31	42-9850	Washer - Lock	7
11	42-8140	Pipe Assy. - Fuel Injection (No. 2)	1	32	42-9230	Screw - Cap Hex. Hd.	2
12	42-8150	Pipe Assy. - Fuel Injection (No.3)	1	33	42-8180	Fuel Return Pipe Assembly	1
13	42-8170	Clamp	2	34	2412-79	Clamp - Hose	8
14	43-0110	Screw - Cap Hex. Hd.	4	35	42-8190	Joint	2
15	42-8010	Shim - 0.2 (.008 in.)	A/R	36	42-7210	Plug - Taper	1
*	42-8020	Shim - 0.3 (.012 in.)	A/R	37	42-8880	Gasket	1
*	42-8030	Shim - 0.4 (.016 in.)	A/R	38	42-8870	Plug	1
*	42-8040	Shim - 0.5 (.020 in.)	A/R	39	42-8930	Spring - Relief	1
*	42-8050	Shim - 0.6 (.024 in.)	A/R	40	42-8860	Plunger - Relief	1
*	42-8060	Shim - 0.7 (.028 in.)	A/R	41	42-9060	Oil Pressure Switch Assy.	1
*	42-8070	Shim - 0.8 (.032 in.)	A/R	42	42-9030	Filter Assembly - Oil	1
*	42-8080	Shim - 0.9 (.036 in.)	A/R	43	42-9480	Screw - Cap Hex. Hd.	4
*	42-8090	Shim - 1.0 (.039 in.)	A/R	44	42-8920	Cover - Oil Pump	1
16	281-1	Plug - Taper	1	45	42-8910	Rotor Assembly - Oil Pump	1
17	42-7090	Cap - Sealing	2	46	42-8940	O-Ring	1
18	42-7050	Guide - Oil Level Gauge	1	47	42-7030	Pin - Dowel	2
19	43-2710	O-Ring	1	48	42-8900	Body - Oil Pump	1
				49	42-8950	Gasket - Oil Pump Body	1
				50	42-7180	Bushing - Knock	2
				51	42-7170	Plug - Expansion	1

*Not Illustrated



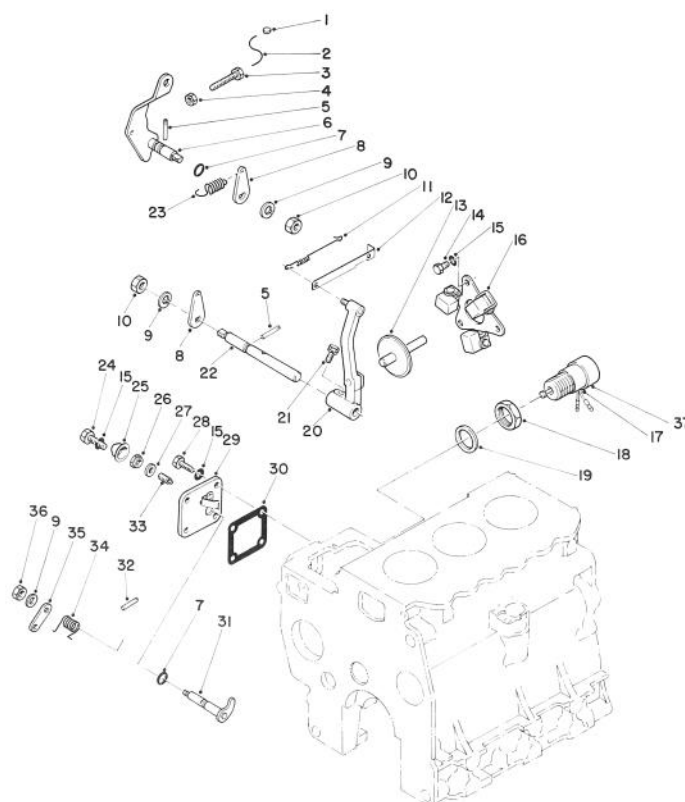
T-0433

ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
52	42-7200	Bushing - Knock	1
53	42-7820	Bearing - Ball	1
54	42-7840	Key - Sunk	1
55	42-7810	Shaft - Injection Pump Cam	1
56	42-7790	Idle Gear Assembly (Incl. Ref. #60)	1
57	42-7780	Gear - Camshaft	1
58	42-7730	Key - Woodruff	1
59	72-4280	Camshaft	1
60		Bushing - Idler Gear	1
61	42-7830	Gear - Injection Pump Cam	1
62	43-5970	Nut	1
63	43-5920	Washer - Lock	1

Ref. No.	Part No.	Description	No. Used
64	42-9580	Nut	1
65	43-0370	Shim	AIR
66	43-0380	Spacer	1
67	43-0390	Alternator (Model AH2035M4)	1
68	43-1900	Screw - Cap Hex. Hd.	1
69	54-8660	Washer	1
70	54-8650	Screw - Cap Flange Hd.	1
71	43-0400	Brace - Alternator	1
72	42-7190	Bushing - Knock	2
73	42-9820	Washer	1
*	42-8850	Oil Pump Assembly (Incl. Ref. 36-40 & 44-48)	1

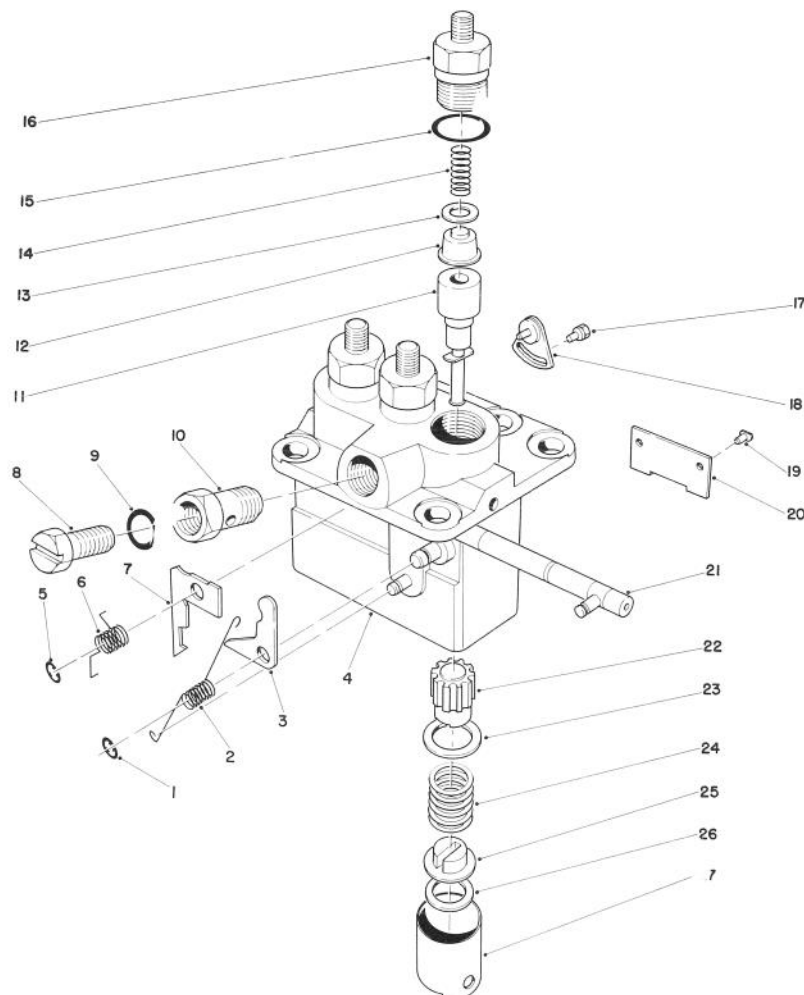
*Not Illustrated



T-0434

ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	42-8690	Metal - Sealing	1	20	42-8730	Governor Lever Assembly	1
2	42-8700	Wire	1	21	42-9450	Bolt/Washer - Assembled	1
3	42-9420	Bolt - High Speed Set	1	22	42-8760	Governor Shaft	1
4	43-2830	Nut	1	23	42-8820	Governor Spring	1
5	42-8810	Pin - Grooved	2	24	43-2800	Screw - Cap Hex. Hd.	1
6	42-8780	Speed Control Lever Assy.	1	25	43-2820	Sealing Cap	1
7	42-8830	O-Ring	2	26	43-5960	Nut - Special	1
8	42-8770	Lever - Governor Spring	2	27	43-3120	Washer - Seal	1
9	42-9850	Washer - Lock	2	28	42-9400	Screw - Cap Hex. Hd.	3
10	42-9580	Nut - Jam	2	29	42-8790	Cover Assembly (Incl. Ref. #25, 27 & 33)	1
11	42-8740	Spring - Tie Rod	1	30	42-8800	Gasket Cover	1
12	42-8750	Tie Rod	1	31	44-8090	Lever Assembly Stop	1
13	42-8720	Sliding Shaft Assembly	1	32	42-8810	Pin - Grooved	1
14	42-9430	Screw - Cap Hex. Hd.	3	33	43-3160	Screw - Adjusting	1
15	43-5930	Washer - Lock	7	34	44-8100	Spring Return	1
16	42-8710	Weight Assembly - Governor	1	35	43-2770	Lever - Stop	1
17	43-2730	Solenoid - Tubular	1	36	42-9640	Nut - Jam	1
18	43-2750	Nut	1	37	62-6940	Cap	1
19	43-2740	Gasket	1				



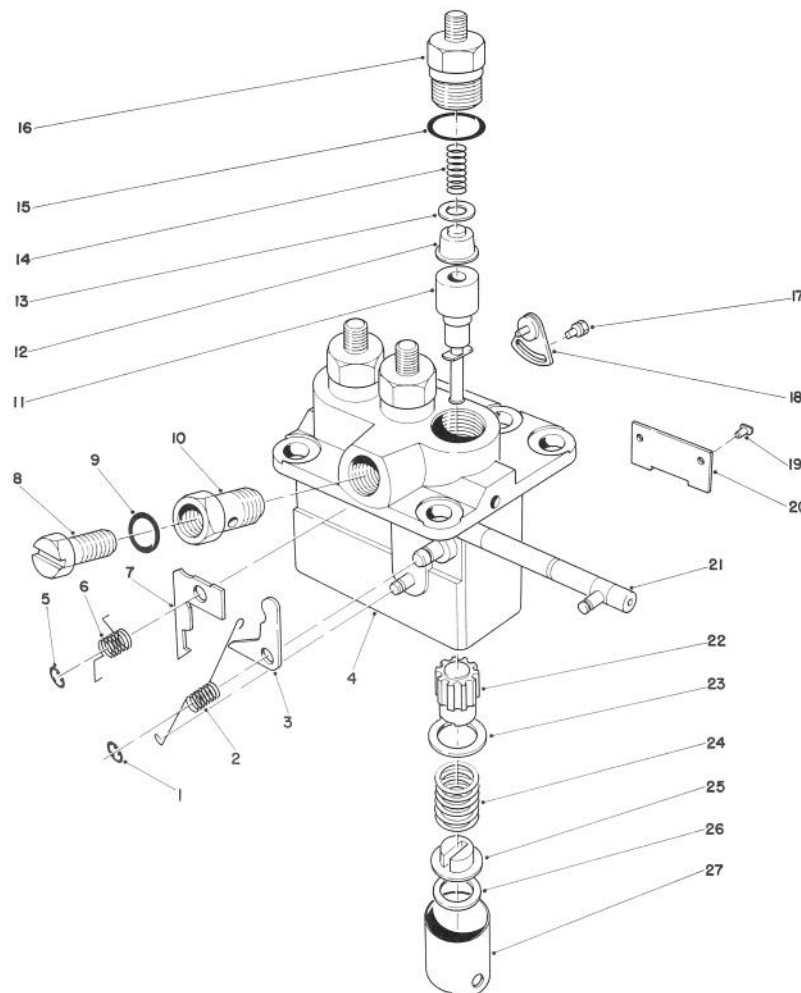
T-0435

FUEL INJECTION PUMP ASSEMBLY NO. 42-8000

Ref. No.	Part No.	Description	No. Used
1	43-3100	E-Ring	1
2	43-3110	Spring - Ungleich Set	1
3	43-2910	Plate - Ungleich Set 16.9 (.665 in.)	A/R
*	43-2920	Plate - Ungleich Set 16.8 (.661 in.)	A/R
*	43-2930	Plate - Ungleich Set 16.7 (.657 in.)	A/R
*	43-2940	Plate - Ungleich Set 16.6 (.654 in.)	A/R
*	43-2950	Plate - Ungleich Set 16.5 (.650 in.)	A/R
4		Pump Housing Sub Assy.	1
5	54-8780	E-Ring	1
6	42-8460	Spring Return	1
7	43-3000	Plate - Smoke Set 2.2 (.087 in.)	A/R
*	54-8700	Plate - Smoke Set 2.3 (.091 in.)	A/R
*	43-3010	Plate - Smoke Set 2.4 (.095 in.)	A/R
*	54-8710	Plate - Smoke Set 2.5 (.098 in.)	A/R
*	43-3020	Plate - Smoke Set 2.6 (.102 in.)	A/R

Ref. No.	Part No.	Description	No. Used
*7	56-0960	Plate - Smoke Set 2.7 (.106 in.)	A/R
*	43-3030	Plate - Smoke Set 2.8 (.110 in.)	A/R
*	54-8730	Plate - Smoke Set 2.9 (.114 in.)	A/R
*	43-3040	Plate - Smoke Set 3.0 (.118 in.)	A/R
*	54-8740	Plate - Smoke Set 3.1 (.122 in.)	A/R
*	43-3050	Plate - Smoke Set 3.2 (.126 in.)	A/R
*	54-8750	Plate - Smoke Set 3.3 (.130 in.)	A/R
*	43-3060	Plate - Smoke Set 3.4 (.134 in.)	A/R
*	54-8760	Plate - Smoke Set 3.5 (.138 in.)	A/R
*	43-3070	Plate - Smoke Set 3.6 (.142 in.)	A/R
*	54-8770	Plate - Smoke Set 3.7 (.146 in.)	A/R
*	43-3080	Plate - Smoke Set 3.8 (.150 in.)	A/R
*	43-3090	Plate - Smoke Set 4.0 (.157 in.)	A/R

*Not Illustrated

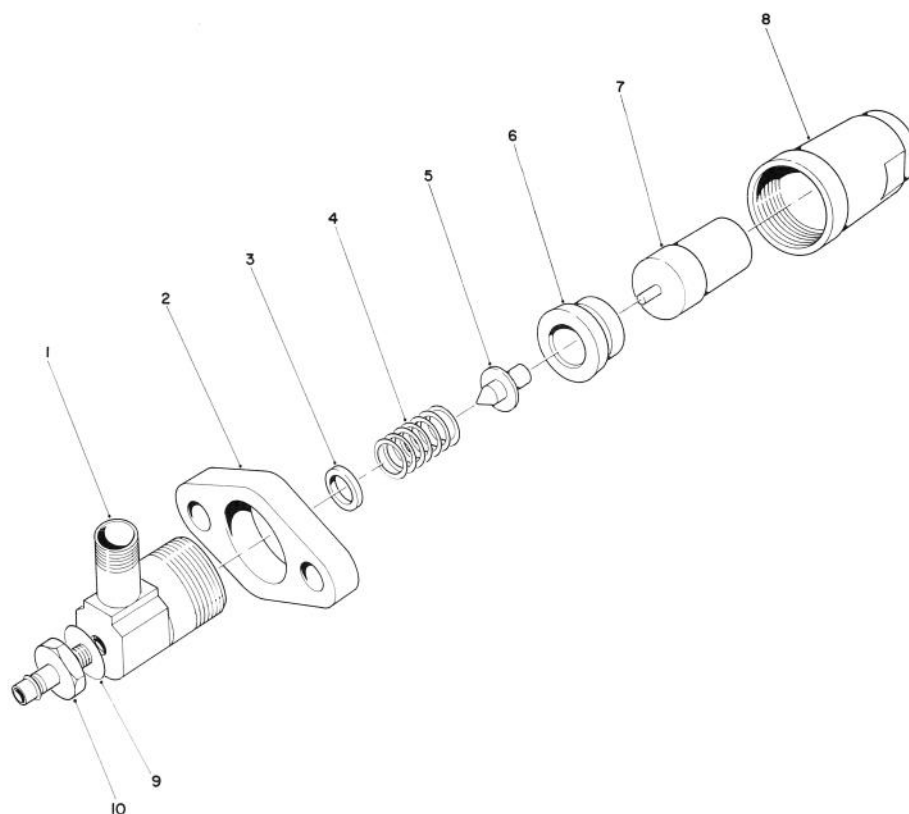


T-0435

FUEL INJECTION PUMP ASSEMBLY NO. 42-8000 (Cont.)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
8	42-8370	Screw - Air Breather	1	26	42-8390	Shim - Plate 0.6 (.0241 in.)	A/R
9	42-9770	Washer	1	*	42-8400	Shim - Plate 0.2 (.008 in.)	A/R
10	42-8380	Screw - Hollow	1	*	42-8410	Shim - Plate 0.3 (.0121 in.)	A/R
11	42-8260	Element Sub Assembly	3	*	42-8420	Shim - Plate 0.4 (.016 in.)	A/R
12	42-8250	Delivery Valve Sub Assy.	3	*	42-8430	Shim - Plate 0.5 (.020 in.)	A/R
13	42-8240	Gasket - Delivery Valve	3	*	42-8440	Shim - Plate 0.25 (.010 in.)	A/R
14	42-8230	Spring - Delivery Valve	3	*	42-8450	Shim - Plate 0.35 (.014 in.)	A/R
15	42-8330	O-Ring	3	*	43-6240	Shim - Plate 0.45 (.018 in.)	A/R
16	42-8220	Holder - Delivery Valve	3	*	54-8680	Shim - Plate 0.55 (.022 in.)	A/R
17	43-3150	Bolt/Washer Assembled	2	*	54-8690	Shim - Plate 0.65 (.026 in.)	A/R
18	42-8360	Plate Assembly - Adjusting	2	27	42-8300	Tappet Sub Assembly	3
19	42-8340	Pin - Tappet Guide	3				
20	42-8350	Plate	1				
21	42-8310	Rack Assembly - Control	1				
22	42-8270	Sleeve - Plunger Control	3				
23	42-8280	Seat - Spring, Upper	3				
24	42-8290	Spring - Pump Plunger	3				
25	42-8320	Seat - Spring, Lower	3				

*Not Illustrated



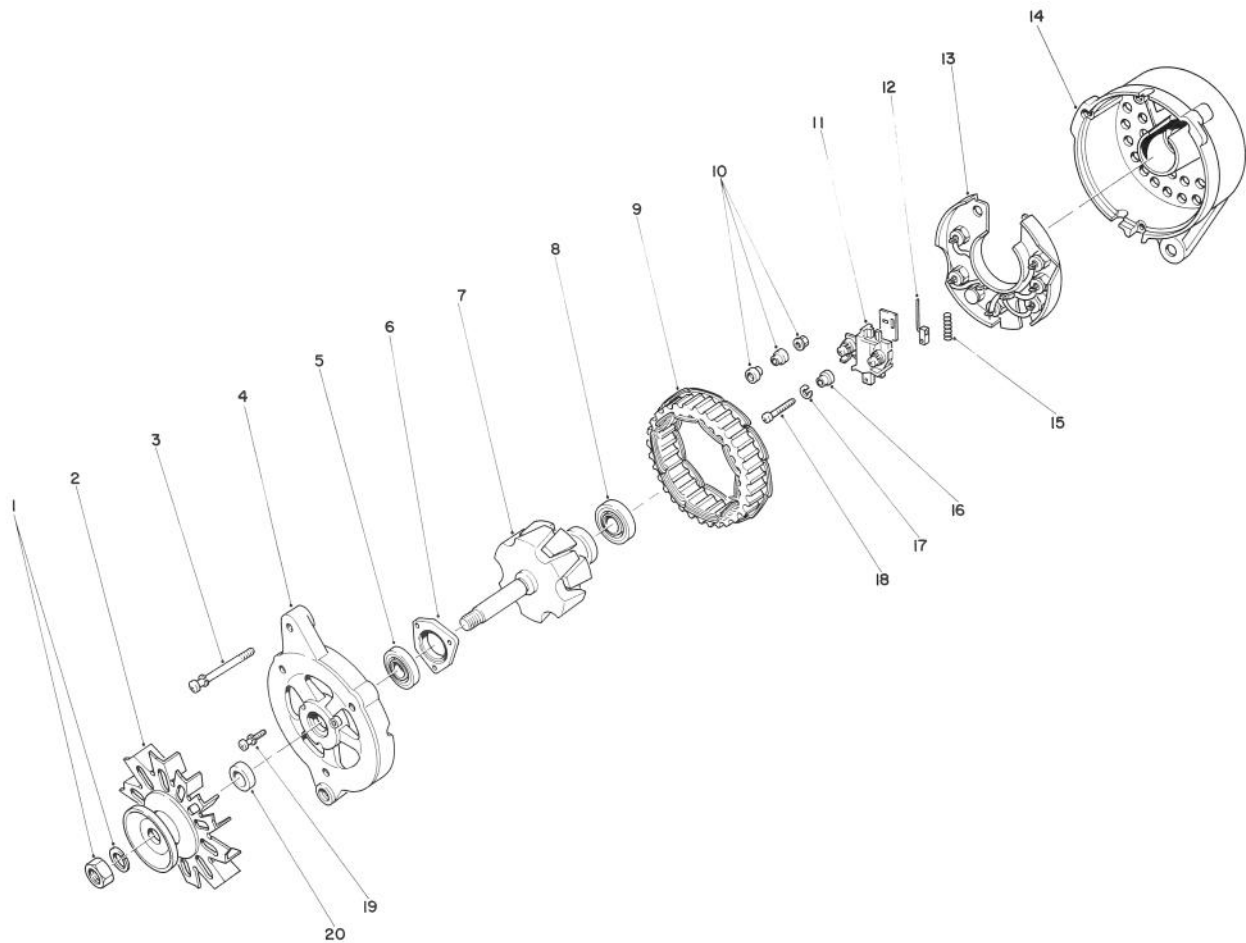
T-0436

NOZZLE & HOLDER ASSEMBLY NO. 44-8070

Ref. No.	Part No.	Description	No. Used
1	44-8080	Body	3
2	42-8670	Flange	3
3	42-9680	Washer 1.3 (.051 in.)	A/R
*	42-9690	Washer 1.35 (.053 in.)	A/R
*	42-9700	Washer 1.4 (.055 in.)	A/R
*	42-9710	Washer 0.9 (.035 in.)	A/R
*	42-9720	Washer 1.0 (.039 in.)	A/R

Ref. No.	Part No.	Description	No. Used
*3	42-9730	Washer 1.1 (.043 in.)	A/R
*	42-9740	Washer 1.2 (.047 in.)	A/R
*	42-9750	Washer 0.1 (.004 in.)	A/R
4	42-8630	Spring - Pressure	3
5	42-8620	Pin - Pressure	3
6	42-8660	Piece - Distance	3
7	42-8680	Nozzle Assembly	3
8	42-8650	Nut - Retaining	3
9	42-9670	Washer	3
10	42-8640	Nipple	3

*Not Illustrated

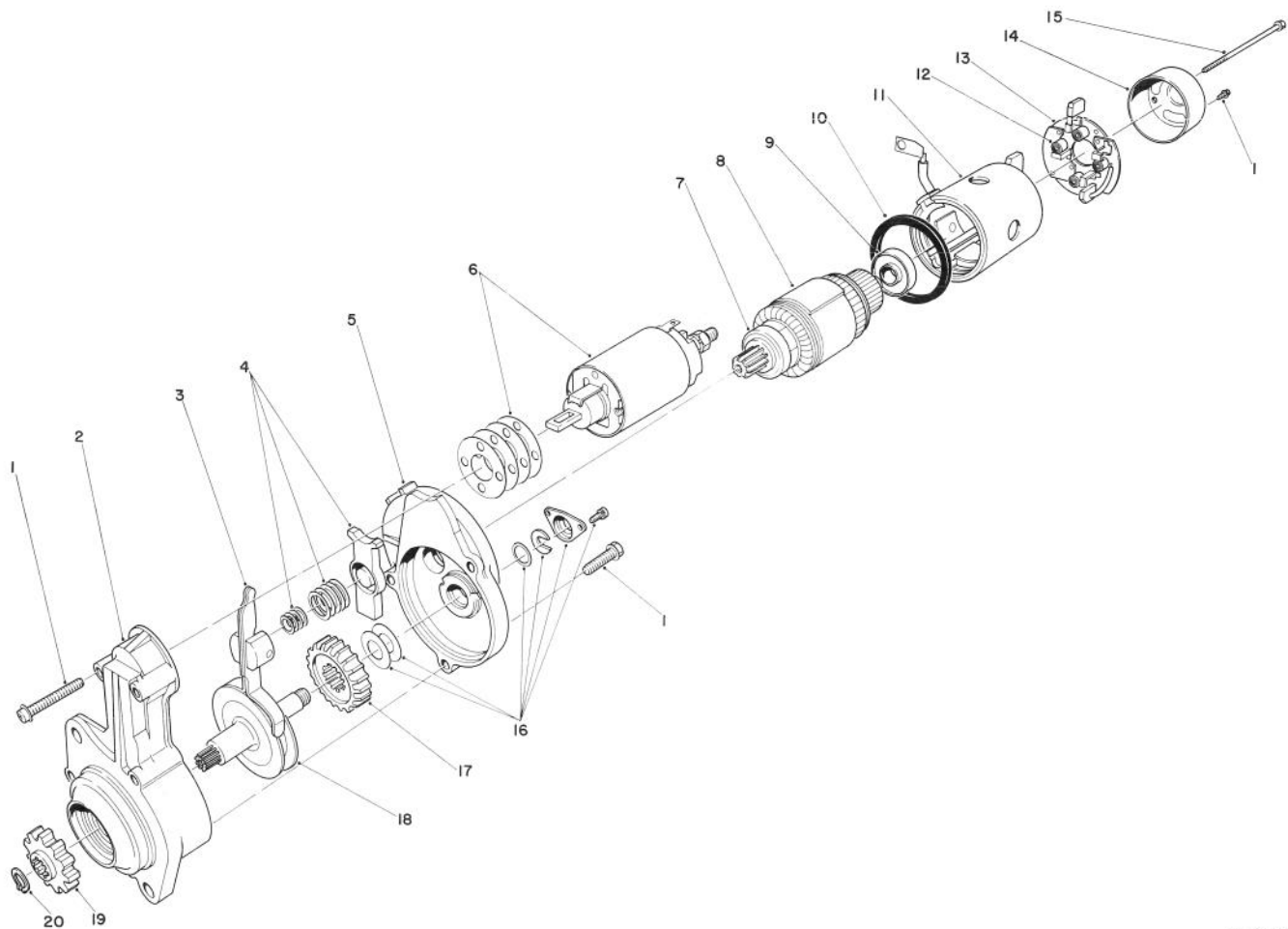


T-0437

ALTERNATOR ASSEMBLY NO. 43-0390

Ref. No.	Part No.	Description	No. Used
1	43-1920	Nut Set	1
2	43-0420	Pulley Assembly (Incl. Ref. #20)	1
3	43-0120	Screw - Set	1
4	43-0430	Bracket Assembly Front (Incl. Ref. #5-6 & 19)	1
5	43-0440	Bearing - Front	1
6	43-0450	Plate - Bearing Retainer	1
7	43-0450	Rotor Assembly (Incl. Ref. #8)	1
8	43-0460	Bearing - Rear	1
9	43-0470	Stator	1
10	43-0080	Nut - Set	1

Ref. No.	Part No.	Description	No. Used
11	43-0490	Holder Assembly Brush (Incl. Ref. #12 & 15)	1
12	43-0500	Brush	2
13	43-0520	Rectifier Assembly	1
14	43-0480	Rear Bracket Assembly (Incl. Ref. #10-13 & 15-18)	1
15	43-0510	Spring - Brush	1
16	43-2720	Mold	1
17	43-5920	Washer - Lock	1
18	43-1890	Screw	1
19	43-0130	Screw - Set	1
20		Collar - Shaft	1



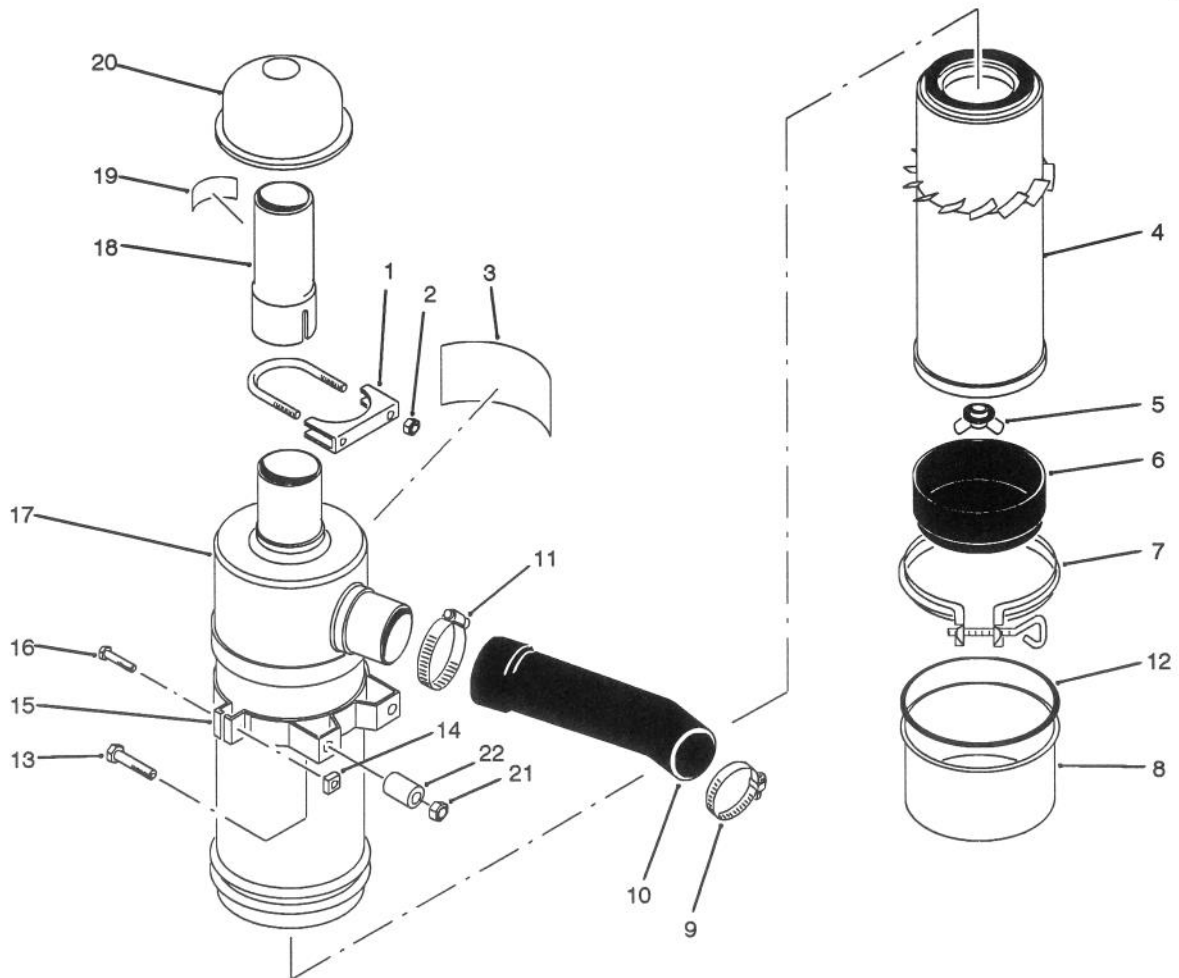
T-0438

STARTER ASSEMBLY NO. 46-7610

Ref. No.	Part No.	Description	No. Used
1	46-7620	Screw - Set	1
2	46-7630	Bracket Assembly - Front	1
3	46-7540	Lever Assembly	1
4	43-0190	Spring Set	1
5	46-7650	Bracket Assembly - Center	1
6	46-7660	Switch Assembly	1
7	46-7680	Bearing - Front	1
8	46-7670	Armature Set (Incl. Ref. #7 & 9)	1
9	46-7690	Bearing - Rear	1
10	46-8050	Packing	1
11	46-7780	Yoke Assembly	1
12	46-8030	Spring - Brush	4

Ref. No.	Part No.	Description	No. Used
13	46-7790	Brush Holder Assembly (Incl. Ref. #12)	1
14	46-8040	Bracket - Rear	1
15	46-7700	Bolt Set	1
16	46-7770	Cover Set	1
17	46-7760	Gear	1
18	46-7750	Shaft Assembly Pinion	1
19	46-7720	Pinion Set (Incl. Ref. #20)	1
20	46-7730	Snap Ring	1
*	46-7740	Gear Set (Incl. Ref. #17 & 18)	1
*	46-7710	Shaft Assembly - Clutch (Incl. Ref. #16-20)	1

*Not Illustrated

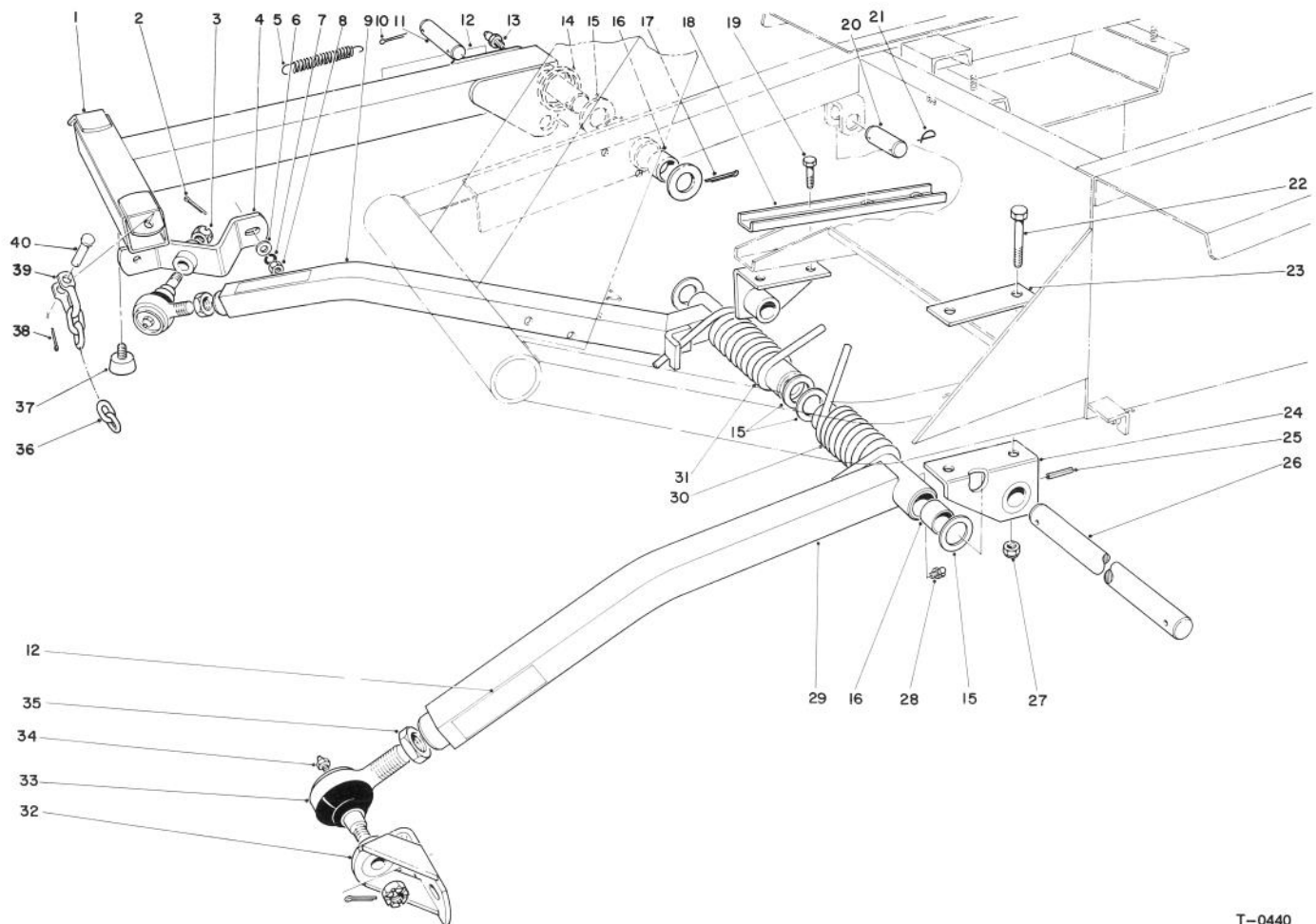


T-1188

AIR CLEANER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	20-4840	Muffler Clamp (Incl. Ref. #2)	1
2	3217-6	Nut	2
3	27-7160	Decal - Instructions	1
4	27-7110	Element Assembly	1
5	27-7120	Nut & Gasket Assembly	1
6	27-7140	Skirt - Baffle	1
7	27-7130	Clamp Assembly	1
8	27-7150	Cup Assembly	1
9	2412-3	Hose - Clamp	1
10	80-0060	Hose - Air Cleaner	1
11	2412-42	Hose Clamp	1
12	80-3330	Gasket	1

Ref. No.	Part No.	Description	No. Used
13	322-10	Screw - Cap Hex. Hd.	4
14	32107-11	Nut	2
15	27-7170	Band Assy. (Incl. Ref. #14 & 16)	2
16	3258-19	Screw - Mach. Rd. Hd.	2
17	27-7100	Air Cleaner Assembly (Incl. Ref. #3-8)	1
18	44-8950	Tube - Air Cleaner	1
19	67-1700	Decal - Starting Fluid	1
20	27-7180	Cap Assembly - Air Inlet	1
21	32128-20	Nut - Flange	4
22	77-3180	Spacer	4



T-0440

PUSH ARM ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	66-6370	Lift Arm	1
2	3272-11	Cotter Pin	2
3	32136-2	Nut	2
4	21-3020	Ball Joint Mount R.H.	1
5	21-1830	Spring Tension	1
6	3256-25	Washer - Flat	1
7	3253-6	Washer - Lock	2
8	3217-8	Nut - Full	2
9	66-7150	Push Arm R.H. (Incl. Ref. #16 & 28)	1
10	3272-24	Cotter Pin	1
11	24-9510	Pin	1
12	61-3610	Warning Decal	3
13	302-5	Grease Fitting	1
14	46-8840	Spring - Lift Arm	1
15	5-1754	Washer	6
16	256-126	Bushing	6
17	3272-33	Cotter Pin	1
18	23-1950	Support Reinforcement	1
19	324-4	Screw - Cap Hex. Hd.	2
20	3-7292	Pin	1

Ref. No.	Part No.	Description	No. Used
21	5-3126	Spring Pin	3
22	324-12	Screw - Cap Hex. Hd.	2
23	21-3750	Support Plate	1
24	21-2860	Push Arm Bracket	2
25	32121-84	Roll Pin	2
26	21-2990	Shaft - Pivot	1
27	32128-42	Nut - Flange Lock	4
28	302-33	Grease Fitting	2
29	21-2960	Push Arm L.H. (Incl. Ref. #16 & 28)	1
30	21-2900	Spring - Torsion L.H.	1
31	21-2890	Spring - Torsion R.H.	1
32	21-3050	Ball Joint Mount L.H.	1
33	86-8100	Ball Joint Assembly	2
34	302-5	Grease Fitting	2
35	21-3000	Nut - Jam	2
36	3-1365	Chain - Lift	3
37	67-9800	Bumper	1
38	3272-10	Cotter Pin	3
39	5-2942	Shackle	3
40	283-10	Pin	3

TORO PART NUMBER INDEX

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
3-1365	Chain - Lift	48 36 3	21-8110	Adjustment Shim .010	18 36 A/R
3-3251	Spring - Compression	11 9 1	21-8120	Adjustment Shim .030	18 35 A/R
3-6498	Washer	9 18 A/R	21-8180	Bearing	19 3 2
3-6657	Clip	8 31 2	21-8270	Dowel Pin	17 3 2
3-6803	Washer	33 15 A/R	21-8320	Gasket - Wheel Bearing	19 20 2
3-7243	Spring - Extension	11 13 2	21-8360	Clip - Retaining	19 12 2
3-7292	Pin	48 20 1	21-8590	Link - Valve Lever	27 27 1
3-8812	Spacer	9 19 1	21-8620	Lever Valve	27 2 1
4-2390	Washer	31 49 2	21-8640	Latch Valve Lever	27 7 1
5-0652	Spacer	9 37 1	21-9010	Pivot Mount - Valve Lever	27 11 1
5-0652	Spacer	32 62 2	21-9260	Cover - Dust	13 4 1
5-0701	Spring Anchor	10 52 1	21-9370	Screw - Adjusting	19 16 2
5-0838	Washer - Flat	6 58 3	21-9380	Nut - Pivot	19 17 2
5-1226	Washer	20 17 3	21-9390	Socket - Adjusting Screw	19 15 2
5-1747	Spring	9 21 1	21-9420	Spring - Shoe Return L.H.	19 19 2
5-1754	Washer	48 15 6	21-9430	Spring - Shoe Return R.H.	19 7 2
5-2942	Shackle	48 39 3	21-9440	Spring - Adjusting Screw	19 14 2
5-3126	Spring Pin	48 21 3	21-9450	Dust Shield	19 5 2
5-3637	Washer	31 17 1	21-9460	Retainer - Brake Lever	19 10 4
6-1659	Toggle Switch	3 19 1	22-7810	Spacer	16 19 1
7-3900	Pad - Brake	11 1 1	22-7820	Buzzer Assembly	3 36 1
10-6830	Stud - Drive	20 32 10	22-8330	Plug	30 1 2
10-8110	Washer - Thrust	20 18 A/R	22-8340	Spring	30 3 2
11-0590	Screw - Hex. Hd. Tapping	11 5 2	22-8350	Ball	30 4 2
11-0590	Screw - Self Tapping	5 44 2	22-8360	Pin - Cam	30 6 2
11-9760	Screw - Self Tapping	23 52 3	22-8370	Seat - Check Valve	30 5 2
12-5450	Thread Forming Screw	17 13 8	22-8380	Spring Retainer	30 10 1
12-9990	Hour Meter	3 40 1	22-8390	Spring Retainer	30 12 1
14-4149	Hood	6 55 1	22-8400	Spacer Float	30 13 1
18-1720	Ball Joint Assembly	31 3 2	22-8410	Spring	30 11 1
18-2770	Cable - Ground	2 52 1	22-8420	Spool	30 8 1
20-4840	Muffler Clamp	47 1 1	22-8480	Spring Ring Spool	30 14 1
21-0141	Socket Assembly R.H.	11 26 1	22-8490	Snap Ring	30 15 1
21-0141	Socket Assembly R.H. Thd.	20 39 2	23-1950	Support Reinforcement	48 18 1
21-0151	Socket Assembly L.H. Thd.	20 * 2	23-2240	Rod - Pump Control	11 17 1
21-0230	Pulley P.T.O.	9 13 1	23-2270	Bushing - Rubber	11 16 1
21-0400	Spring - Compression	9 48 1	23-5180	Dipstick	16 41 1
21-1600	Clamp P.T.O. Lever	10 54 1	23-7270	Nut - Wheel	16 32 10
21-1820	Stud - Belt Retainer	31 42 2	24-6390	Stud - Battery Hold Down	1 10 2
21-1830	Spring - Tension	9 50 1	24-6420	Hold Down - Battery	1 24 1
21-1830	Spring Tension	48 \$ 1	24-8790	Differential Bevel Gear Side	17 5 2
21-1880	Grip Handle	9 1 1	24-8840	Ring - Wheel Bearing	19 21 2
21-1990	Tie Rod Assembly	20 42 2	24-9180	Strut & Lever Parking Brake	19 4 2
21-2370	Wire - Hour Meter Ground	4 1 1	24-9510	Pin	48 11 1
21-2660	Footrest	1 4 1	24-9740	Cover - Battery Access	1 21 1
21-2760	Pad - Foot Rest L.H.	2 47 1	24-9830	Support Axle	20 48 1
21-2770	Pad - Foot Rest R.H.	2 46 1	25-2380	Thrust Plate	26 50 2
21-2820	Hub Wheel	20 30 2	25-2390	Motor Valve Plate	26 57 1
21-2850	Mount - R.H. Pedal	11 4 1	25-2400	Gasket	26 59 1
21-2860	Push Arm Bracket	48 24 2	25-2410	Accel. Valve Assembly	25 17 2
21-2890	Spring - Torsion R.H.	48 31 1	25-2420	Center Section	26 55 1
21-2900	Spring - Torsion L.H.	48 30 1	25-2430	Dowel Pin	26 52 2
21-2960	Push Arm L.H.	48 29 1	25-2440	Pump Valve Plate	26 51 1
21-2990	Shaft - Pivot	48 26 1	25-2450	Variable Swashplate	25 48 1
21-3000	Nut - Jam	48 35 2	25-2460	Plug - Hex. Hd.	25 28 2
21-3020	Ball Joint Mount R.H.	48 4 1	25-2470	Shim Pack	25 29 2
21-3050	Ball Joint Mount L.H.	48 32 1	25-2480	Valve Spring	25 44 1
21-3370	Cable - R.H. Brake	11 * 1	25-2490	Ball	25 9 2
21-3380	Cable - L.H. Brake	11 15 1	25-2500	Trunion Shaft	25 43 1
21-3600	Foam - Tank Support	16 3 1	25-2510	Washer - Flat	25 25 2
21-3610	Foam - Tank Support	16 21 1	25-2530	Headless Straight Pin	25 39 1
21-3750	Support Plate	48 23 1	25-2550	Charge Pump Housing	25 34 1
21-7670	Differential Case	18 33 1	25-2560	Relief Valve Cone	25 31 2
21-7690	Pinion Gear	17 6 2	25-2570	Valve Spring	25 30 1
21-7700	Pinion Mate Shaft	18 31 1	25-2580	Trunion Shaft	25 26 1
21-7720	Thrust Washer	17 4 2	25-2610	Accel. Valve Spring	25 16 1
21-7730	Thrust Washer	17 7 2	25-2620	By-Pass Valve	25 15 1
21-7770	Drive Gear Screw	18 32 5	25-2630	Back-Up Ring	25 14 1
21-7830	Gear Cover	17 12 1	25-2640	Valve Spring	25 8 2
21-7850	Cup - Plug	17 20 1	25-2650	Check Valve Plug	25 6 2
21-8020	Spacer - Pinion Bearing	18 25 1	25-2680	Gerotor Assembly	25 38 1
21-8090	Adjustment Shim .003	18 38 A/R	25-3180	Check Valve Kit	25 11 2
21-8100	Adjustment Shim .005	18 37 A/R	25-3190	Charge Pump	25 40 1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
25-3210	Lip Seal	25 24 2	42-7130	Gasket - Oil Seal	37 58 1
25-8640	Screw - Machine	31 10 1	42-7150	Gasket - Front Plate	36 9 1
26-6740	Temperature Reset Relay	3 18 1	42-7170	Plug - Expansion	39 51 1
26-6750	Engine Temperature Gauge	3 15 1	42-7180	Bushing - Knock	39 50 2
27-1960	Hub - Engine	31 37 1	42-7190	Bushing - Knock	40 72 2
27-2360	Key Switch	3 10 1	42-7200	Bushing - Knock	40 52 1
27-6590	Spacer - Rubber Coupling	23 22 2	42-7210	Plug - Taper	36 12 3
27-6600	Spacer - Rubber Coupling	23 20 6	42-7210	Plug - Taper	39 36 1
27-7100	Air Cleaner Assembly	47 17 1	42-7230	Bearing Set	37 64 1
27-7110	Element Assembly	47 4 1	42-7240	Bearing Set - Crankshaft	37 * 1
27-7120	Nut & Gasket Assembly	47 5 1	42-7250	Bearing Set - Crankshaft	37 * 1
27-7130	Clamp Assembly	47 7 1	42-7260	Bearing Set - Crankshaft	37 * 1
27-7140	Skirt - Baffle	47 6 1	42-7270	Gauge Assy. - Oil Level	39 22 1
27-7150	Cup Assembly	47 8 1	42-7280	Oil Pan Assembly	35 52 1
27-7160	Decal - Instructions	47 3 1	42-7290	Gasket - Oil Drain Plug (18)	34 50 1
27-7170	Band Assy.	47 15 2	42-7300	Gasket - Oil Pan	35 53 1
27-7180	Cap Assembly - Air Inlet	47 20 1	42-7310	Bearing - Needle	36 3 1
27-7290	Decal - Power Take off	1 18 1	42-7320	Bearing - Needle	36 2 1
27-7310	Decal - Refueling	1 33 1	42-7330	Case - Gear	36 4 1
27-7320	Decal - Traction Pedal	1 1 1	42-7340	Gasket - Gear Case	36 5 1
27-7370	Brake Assembly P.T.O.	9 25 1	42-7390	Seal - Oil	37 82 1
27-7490	Pedal - L.H. Brake	11 41 1	42-7400	Plug - Taper	36 1 1
27-7510	Pedal - R.H. Brake	11 42 1	42-7410	Plug - Taper	39 25 1
27-7570	Pad - Left Turn	11 38 1	42-7410	Plug - Taper 1/8	34 37 1
27-7580	Pad - Right Turn	11 2 1	42-7420	Cap - Oil Filter	34 18 1
27-7590	Mount - Brake	11 34 1	42-7430	Pipe - Air Breather	34 16 1
27-7640	Shaft - Brake Latch	11 36 1	42-7440	Hanger - Engine	34 29 2
27-7900	Screw - Adjusting	9 35 1	42-7460	Guide - Valve	34 27 6
27-8550	Pedal - Parking Brake	11 45 1	42-7470	Gasket - Cylinder Head	35 63 1
27-9270	Mount - Brake Pivot Shaft	11 35 1	42-7480	Glow Plug	34 28 3
28-0650	Flanged Axle Shaft	19 1 2	42-7490	Seal - Oil	34 21 2
28-0660	Screw - Cap Hex. Hd.	19 22 8	42-7500	Cover Assembly - Rocker	34 23 1
28-0670	Oil Seal	19 8 2	42-7510	Pipe	34 4 2
28-0680	Brake Drum	19 13 2	42-7520	Gasket - Rocker Cover	34 24 1
28-1280	Boot - Cable	1 12 1	42-7530	Label - Engine No.	34 22 1
28-5220	Wheel - Friction	11 25 1	42-7540	Fitting - Water Outlet	34 15 1
28-9570	Pump Lever	23 51 1	42-7550	Gasket	34 9 2
29-6120	Pump Plate	23 3 1	42-7650	Connecting Rod Assembly	37 49 3
29-6150	Leaf Spring	23 46 1	42-7660	Bearing Set	37 60 3
29-6163	Micro Switch	23 2 1	42-7670	Bearing Set	37 * 3
29-6170	Extended Leaf Spring	23 7 1	42-7680	Bearing Set	37 * 3
29-8910	Washer	33 12 2	42-7690	Bearing Set	37 * 60 3
30-2120	Screw - Cap Hex. Hd.	9 22 2	42-7700	Gear - Crankshaft	36 10 1
31-0390	Disc - Friction	13 31 1	42-7710	Crankshaft	37 59 1
33-2570	Radiator Assembly	5 19 1	42-7720	Pulley - Crankshaft	37 83 1
33-4380	Pump Hub	23 14 1	42-7730	Key - Woodruff	40 58 1
37-8770	Bolt - Shoulder	31 4 1	42-7730	Key - Woodruff	37 62 2
37-9550	Strap - Fuel Tank	16 7 1	42-7740	Nipple - Hose	34 11 1
37-9650	Trim	1 29 1	42-7780	Gear - Camshaft	40 57 1
38-1650	Fuel Gauge	3 5 1	42-7790	Idle Gear Assembly	40 56 1
38-1660	Ammeter	3 12 1	42-7810	Shaft - Injection Pump Cam	40 55 1
38-1670	Clamp Mounting	3 2 2	42-7820	Bearing - Ball	40 53 1
38-4530	Tool Box	2 36 1	42-7830	Gear - Injection Pump Cam	40 61 1
38-4550	Instrument Cover	1 19 1	42-7840	Key - Sunk	40 54 1
38-4600	Bar - Frame LH	5 26 1	42-7850	Retainer - Valve Spring	36 20 6
38-7820	Bearing	33 5 2	42-7860	Lock - Spring Retainer	36 21 12
39-8020	Trim - Instrument Cover	1 22 1	42-7870	Seal - Valve Stem	36 18 6
41-8760	Gasket Transmission	23 45 1	42-7880	Spring - Valve	36 19 6
42-71 60	Pin - Dowel	39 21 1	42-7890	Tappet	36 33 6
42-6080	Shim	33 30 A/R	42-7900	Valve - Intake	36 16 3
42-6080	Shim - Axle	16 30 A/R	42-7910	Valve - Exhaust	36 17 3
42-7030	Pin - Dowel	36 13 2	42-7920	Rod - Push	36 32 6
42-7030	Pin - Dowel	39 47 2	42-7930	Spring - Rocker Shaft L.H.	36 41 1
42-7040	Seal - Side	37 65 4	42-7940	Arm - Rocker	36 22 6
42-7050	Guide - Oil Level Gauge	39 18 1	42-7950	Washer - Seat	36 24 2
42-7060	Seal - Oil	37 55 1	42-7960	Shaft Assembly - Rocker	36 40 1
42-7080	Cap - Sealing	36 15 2	42-7970	Stay - Rocker	36 23 3
42-7080	Cap - Sealing (25)	34 30 3	42-7980	Screw - Adjusting	36 30 6
42-7090	Cap - Sealing	39 17 2	42-7990	Ring - Snap	36 43 2
42-7090	Cap - Sealing (45)	34 36 1	42-8000	Pump Assy. - Fuel Injection	39 2 1
42-7100	Bushing - Camshaft	37 79 1	42-8010	Shim - 0.2 (.008 in.)	39 15 A/R
42-7110	Shaft - Idler	36 11 1	42-8020	Shim - 0.3 (.012 in.)	39 * A/R
42-7120	Case - Oil Seal	37 57 1	42-8030	Shim - 0.4 (.016 in.)	39 * A/R

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42-8040	Shim - 0.5 (.020 in.)	39	* A/R		42-8960	Driven Unit - Speedometer	38	*	1
42-8050	Shim - 0.6 (.024 in.)	39	* A/R		42-8970	Pin - Spring	36	35	1
42-8060	Shim - 0.7 (.028 in.)	39	* A/R		42-8980	Sleeve - Gear	36	36	1
42-8070	Shim - 0.8 (.032 in.)	39	* A/R		42-8990	O-Ring	36	37	1
42-8080	Shim - 0.9 (.036 in.)	39	* A/R		42-9010	O-Ring	36	34	1
42-8090	Shim - 1.0 (.039 in.)	39	* A/R		42-9020	Plate - Locking	37	63	1
42-8100	Collar - Union	39	4	1	42-9030	Filter Assembly - Oil	39	42	1
42-8120	Gasket - Nozzle Holder	34	35	3	42-9060	Oil Pressure Switch Assy.	39	41	1
42-8130	Pipe Assy. - Fuel Injection	39	7	1	42-9070	Pulley - Water Pump	35	56	1
42-8140	Pipe Assy. - Fuel Injection	39	11	1	42-9080	Water Pump Assembly	35	60	1
42-8150	Pipe Assy. - Fuel Injection	39	12	1	42-9090	Gasket - Water Pump	35	61	1
42-8160	Clamp	39	8	2	42-9100	Belt Fan	31	21	1
42-8170	Clamp	39	13	2	42-9110	Gasket	34	41	1
42-8180	Fuel Return Pipe Assembly	39	33	1	42-9120	Intake Manifold Assembly	34	6	1
42-8190	Joint	39	35	2	42-9140	Gasket - Intake Manifold	34	7	1
42-8220	Holder - Delivery Valve	43	16	3	42-9150	Pipe Inlet	34	3	1
42-8230	Spring - Delivery Valve	43	14	3	42-9160	Gasket - Inlet Pipe	34	5	1
42-8240	Gasket - Delivery Valve	43	13	3	42-9170	Gasket - Exhaust Manifold	34	39	1
42-8250	Delivery Valve Sub Assy.	43	12	3	42-9180	Wire - Glow Plug Lead	34	26	2
42-8260	Element Sub Assembly	43	11	3	42-9190	Glow Lamp	3	14	1
42-8270	Sleeve - Plunger Control	43	22	3	42-9200	Complete Gasket Set	35	*	1
42-8280	Seat - Spring, Upper	43	23	3	42-9210	Bolt - Bearing Cap	37	67	8
42-8290	Spring - Pump Plunger	43	24	3	42-9220	Screw - Cap Hex. Hd.	37	56	6
42-8300	Tappet Sub Assembly	43	27	3	42-9230	Screw - Cap (8 x 16)	34	51	15
42-8310	Rack Assembly - Control	43	21	1	42-9230	Screw - Cap Hex. Hd.	39	32	2
42-8320	Seat - Spring, Lower	43	25	3	42-9230	Screw - Cap Hex. Hd.	33	34	1
42-8330	O-Ring	43	15	3	42-9230	Screw - Cap Hex. Hd.	37	81	3
42-8340	Pin - Tappet Guide	43	19	3	42-9240	Screw - Cap (12 x 28)	34	44	3
42-8350	Plate	43	20	1	42-9250	Screw - Cap Hex. Hd.	36	14	4
42-8360	Plate Assembly - Adjusting	43	18	2	42-9260	Plug - Oil Drain	34	49	1
42-8370	Screw - Air Breather	43	8	1	42-9300	Screw - Cap (10 x 20)	35	64	2
42-8380	Screw - Hollow	43	10	1	42-9310	Screw - Cp, Hex. Hd.	34	1	4
42-8390	Shim - Plate	43	26	A/R	42-9320	Bolt - Cylinder Head	34	31	8
42-8400	Shim - Plate	43	*	A/R	42-9330	Bolt - Cylinder Head	34	25	3
42-8410	Shim - Plate	43	*	A/R	42-9350	Screw - Cap Hex. Hd.	36	27	2
42-8420	Shim - Plate	43	*	A/R	42-9360	Bolt	36	26	2
42-8430	Shim - Plate	43	*	A/R	42-9370	Screw - Cap Hex. Hd.	36	42	1
42-8440	Shim - Plate	43	*	A/R	42-9390	Bolt (8 x 32)	34	33	6
42-8450	Shim - Plate	43	*	A/R	42-9400	Screw - Cap Hex. Hd.	41	28	3
42-8460	Spring Return	42	6	1	42-9420	Bolt - High Speed Set	41	3	1
42-8620	Pin - Pressure	44	5	3	42-9430	Screw - Cap Hex. Hd.	41	14	3
42-8630	Spring - Pressure	44	4	3	42-9440	Screw - Cap Hex. Hd.	36	39	1
42-8640	Nipple	44	10	3	42-9450	Bolt/Washer - Assembled	41	21	1
42-8650	Nut - Retaining	44	8	3	42-9470	Bolt - Connecting Rod	37	50	6
42-8660	Piece - Distance	44	6	3	42-9480	Screw - Cap Hex. Hd.	39	43	4
42-8670	Flange	44	2	3	42-9490	Screw - Cap (6 x 12)	35	58	4
42-8680	Nozzle Assembly	44	7	3	42-9500	Screw - Cap (8 x 45)	35	55	3
42-8690	Metal - Sealing	41	1	1	42-9500	Screw - Cap Hex. Hd.	38	87	8
42-8700	Wire	41	2	1	42-9510	Screw - Cap (8 x 60)	35	59	1
42-8710	Weight Assembly - Governor	41	16	1	42-9510	Screw - Cap Hex. Hd.	31	46	2
42-8720	Sliding Shaft Assembly	41	13	1	42-9520	Screw - Cap (8 x 30)	34	43	5
42-8730	Governor Lever Assembly	41	20	1	42-9530	Screw - Cap (8 x 40)	35	66	1
42-8740	Spring - Tie Rod	41	11	1	42-9570	Stud (8 x 25)	34	38	5
42-8750	Tie Rod	41	12	1	42-9580	Nut	31	19	2
42-8760	Governor Shaft	41	22	1	42-9580	Nut	33	20	4
42-8770	Lever - Governor Spring	41	8	2	42-9580	Nut	40	64	1
42-8780	Speed Control Lever Assy.	41	6	1	42-9580	Nut (8)	34	19	3
42-8790	Cover Assembly	41	29	1	42-9580	Nut - Jam	41	10	2
42-8800	Gasket Cover	41	30	1	42-9590	Nut - Connecting Rod	37	61	6
42-8810	Pin - Grooved	41	5	2	42-9600	Washer - Lock	33	25	4
42-8810	Pin - Grooved	41	32	1	42-9600	Washer - Lock	31	40	3
42-8820	Governor Spring	41	23	1	42-9600	Washer - Lock	35	65	2
42-8830	O-Ring	41	7	2	42-9600	Washer - Lock	35	67	2
42-8850	Oil Pump Assembly	40	*	1	42-9600	Washer - Spring	36	25	3
42-8860	Plunger - Relief	39	40	1	42-9620	Nut - Jam	36	29	6
42-8870	Plug	39	38	1	42-9640	Nut - Jam	41	36	1
42-8880	Gasket	39	37	1	42-9660	Washer - Flat	39	23	6
42-8900	Body - Oil Pump	39	48	1	42-9660	Washer - Plain (8)	35	54	4
42-8910	Rotor Assembly - Oil Pump	39	45	1	42-9670	Washer	44	9	3
42-8920	Cover - Oil Pump	39	44	1	42-9680	Washer	44	3	A/R
42-8930	Spring - Relief	39	39	1	42-9690	Washer	44	*	A/R
42-8940	O-Ring	39	46	1	42-9700	Washer	44	*	A/R
42-8950	Gasket - Oil Pump Body	39	49	1	42-9710	Washer	44	*	A/R

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42-9730	Washer	44 *3 A/R	43-3020	Plate - Smoke Set	42 * A/R
42-9740	Washer	44 * A/R	43-3030	Plate - Smoke Set	42 * A/R
42-9750	Washer	44 * A/R	43-3040	Plate - Smoke Set	42 * A/R
42-9770	Washer	43 9 1	43-3050	Plate - Smoke Set	42 * A/R
42-9790	Washer - Head Bolt	34 32 8	43-3060	Plate - Smoke Set	42 * A/R
42-9800	Washer	34 20 2	43-3070	Plate - Smoke Set	42 * A/R
42-9810	Washer - Flat	38 86 1	43-3080	Plate - Smoke Set	42 * A/R
42-9820	Washer	40 73 1	43-3090	Plate - Smoke Set	42 * A/R
42-9830	Washer - Seal	39 3 2	43-3100	E-Ring	42 1 1
42-9850	Washer - Lock	34 2 24	43-3110	Spring - Ungleich Set	42 2 1
42-9850	Washer - Lock	36 7 11	43-3120	Washer - Seal	41 27 1
42-9850	Washer - Lock	41 9 2	43-3130	Hose - Water	34 13 1
42-9850	Washer - Lock	39 31 7	43-3140	Clamp - Hose	34 12 2
42-9860	Washer - Spring	37 85 1	43-3150	Bolt/Washer Assembled	43 17 2
43-0080	Nut - Set	45 10 1	43-3160	Screw - Adjusting	41 33 1
43-0090	Screw - Cap (10 x 25)	34 48 2	43-3190	Screw - Cap Hex. Hd.	31 41 3
43-0110	Screw - Cap Hex. Hd.	39 14 4	43-3200	Screw - Cap Hex. Hd.	33 24 4
43-0120	Screw - Set	45 3 1	43-3210	Screw - Cap Hex. Hd.	31 28 4
43-0130	Screw - Set	45 19 1	43-3320	Foam - Radiator	5 28 2
43-0190	Spring Set	46 4 1	43-3330	Shroud - Radiator	5 17 1
43-0370	Shim	40 65 A/R	43-3340	Plate - Sealing, Grille	5 42 1
43-0380	Spacer	40 66 1	43-3350	Hose - Upper Radiator	5 13 1
43-0390	Alternator	40 67 1	43-3510	Pulley - Engine	31 27 1
43-0400	Brace - Alternator	40 71 1	43-3530	Pulley Flywheel	33 26 1
43-0410	Regulator Assembly	3 25 1	43-3690	Fan - Shaft	33 2 1
43-0420	Pulley Assembly	45 2 1	43-3700	Hub-Fan	33 4 1
43-0430	Bracket Assembly Front	45 4 1	43-3720	Collar - Bearing	31 32 1
43-0440	Bearing - Front	45 5 1	43-3730	Bracket Throttle Control	31 52 1
43-0450	Rotor Assembly	45 7 1	43-3760	Lever Throttle	32 54 1
43-0460	Bearing - Rear	45 8 1	43-3770	Link - Throttle	31 1 1
43-0470	Stator	45 9 1	43-3780	Swivel - Throttle Control	31 9 1
43-0480	Rear Bracket Assembly	45 14 1	43-3790	Bracket Belt Guide	31 48 1
43-0490	Holder Assembly Brush	45 11 1	43-3800	Bushing - P.T.O. Fork	9 23 2
43-0500	Brush	45 12 2	43-3820	Spacer	3 34 1
43-0510	Spring - Brush	45 15 1	43-3850	Muffler	33 17 1
43-0520	Rectifier Assembly	45 13 1	43-3860	Shaft - Pivot P.T.O.	9 9 1
43-1440	Engine	31 13 1	43-3870	Support - Muffler	33 8 1
43-1710	Valve Assembly	27 13 1	43-3880	Pulley	33 10 1
43-1730	Body	30 7 1	43-3900	Guard - Fan Belt	8 5 1
43-1770	Plate - Rear	34 46 1	43-3970	Panel - Instrument	3 16 1
43-1780	Thermostat	34 14 1	43-3980	Decal - Instrument Panel	3 46 1
43-1790	Fitting - Thermostat	34 10 1	43-3990	Throttle Control	3 23 1
43-1800	Flywheel	37 53 1	43-4000	Circuit Breaker	3 21 1
43-1810	Gear - Ring	37 54 1	43-4010	Wire Assembly	4 4 2
43-1870	Manifold - Exhaust	34 42 1	43-4040	Wire Assembly	4 3 1
43-1880	Control Unit Assembly	3 27 1	43-4150	Fuel Tank	16 4 1
43-1890	Screw	45 18 1	43-4160	Fitting - Return & Vent	16 13 1
43-1900	Screw - Cap Hex. Hd.	40 68 1	43-4190	Fitting Assembly	16 28 1
43-1910	Fan - Cooling	33 1 1	43-4230	Hose	32 56 1
43-1920	Nut Set	45 1 1	43-4230	Hose Return	16 15 1
43-1940	Adapter - Temp. Gauge	31 11 1	43-4290	Decal - Starting Instructions	1 20 1
43-2550	Filter	7 15 1	43-4300	Trim - Rear Frame	1 32 2
43-2560	Gasket	7 16 1	43-5500	Pivot P.T.O.	9 31 1
43-2570	Gasket	7 14 1	43-5540	Shaft P.T.O.	9 43 1
43-2580	Magnet	7 17 1	43-5550	Shaft - Actuator P.T.O.	9 32 1
43-2600	Capscrew	39 10 2	43-5570	Arm, Actuator - P.T.O.	9 38 1
43-2710	O-Ring	39 19 1	43-5590	Arm - P.T.O.	9 30 1
43-2720	Mold	45 16 1	43-5610	Fork P.T.O.	9 24 1
43-2730	Solenoid - Tubular	41 17 1	43-5630	Yoke - P.T.O.	9 51 1
43-2740	Gasket	41 19 1	43-5690	Hose - Vent, Fuel Tank	16 16 1
43-2750	Nut	41 18 1	43-5910	V-Belt	33 11 1
43-2770	Lever - Stop	41 35 1	43-5920	Washer - Lock	45 17 1
43-2800	Screw - Cap Hex. Hd.	41 24 1	43-5920	Washer - Lock	40 63 1
43-2820	Sealing Cap	41 25 1	43-5930	Washer - Lock	41 15 7
43-2830	Nut	41 4 1	43-5930	Washer - Lock	36 28 2
43-2900	Retainer - Oil Level Guide	39 20 1	43-5930	Washer - Lock	35 57 4
43-2910	Plate - Ungleich Set	42 3 A/R	43-5950	Washer - Lock	31 26 4
43-2920	Plate - Ungleich Set	42 * A/R	43-5960	Nut - Special	41 26 1
43-2930	Plate - Ungleich Set	42 * A/R	43-5970	Nut	40 62 1
43-2940	Plate - Ungleich Set	42 * A/R	43-6240	Shim - Plate	43 * A/R
43-2950	Plate - Ungleich Set	42 * A/R	43-6470	Nut	37 84 1
43-3000	Plate - Smoke Set	42 7 A/R	43-6510	Gear & Pinion Assembly	18 * 1

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43-6711	Adjustment Shim .005	17 16 A/R	46-7780	Yoke Assembly	46 11 1
43-6712	Adjustment Shim .010	17 17 A/R	46-7790	Brush Holder Assembly	46 13 1
43-6713	Adjustment Shim .030	17 18 A/R	46-8030	Spring - Brush	46 12 4
43-6750	Roller Bearing Cup	17 10 1	46-8040	Bracket - Rear	46 14 1
43-6760	Roller Bearing Cone	17 9 1	46-8050	Packing	46 10 1
43-6800	Nut - Lock	19 18 8	46-8091	Screw - Flange	5 49 2
43-6810	Torque - Spider	19 6 2	46-8400	Needle Bearing	26 53 2
43-6840	Lower Housing	18 34 1	46-8410	Motor Shaft	26 58 1
43-7020	Hose - Lower Radiator	5 21 1	46-8810	Stop - Leaf Spring	24 56 1
43-8600	Spring - Compression	8 25 1	46-8840	Spring - Lift Arm	48 14 1
43-8600	Spring - Compression	10 66 1	47-7420	Hose	32 55 1
43-8610	Guide - Spring & Ball Seat	9 5 1	48-1800	Cylinder Block Kit	25 5 2
43-8610	Guide - Spring & Ball Seat	8 24 1	48-1980	Gasket	37 78 1
43-8620	Guide - Switch Pin	8 27 1	48-1990	Nut - Jam	37 77 1
43-8620	Guide - Switch Pin	10 68 1	48-2010	Screen - Assembly Oil	37 76 1
43-8860	Plunger - Switch	8 26 1	48-2020	Cylinder Block Sub Assy.	35 62 1
43-8860	Plunger - Switch	10 67 1	49-2280	Decal - Diesel Fuel	1 31 1
43-8870	Boot - Switch	8 30 1	49-7990	Cap - Shipping	36 31 1
43-8870	Boot - Switch	10 71 1	53-4430	Decal - Oil	16 42 1
44-2210	Warning Light	3 8 1	53-8150	Pump Assy. Fuel, Electric	7 13 1
44-2220	Wire Lead	3 6	53-9480	Washer	33 28 2
44-2230	Rubber Coupling	23 17	53-9480	Washer	31 39 2
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44-8090	Lever Assembly Stop	41 31 1	53-9680	Engine Mount - Rubber	33 29 2
44-8100	Spring Return	41 34 1	53-9710	Engine Mount	31 22 2
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46-2211	Shim - Front Pinion Bearing	17 * A/R	54-8650	Screw - Cap Flange Hd.	40 70 1
46-2212	Shim - Front Pinion Bearing	17 *22 A/R	54-8660	Washer	40 69 1
46-2213	Shim - Front Pinion Bearing	17 * A/R	54-8670	Bolt - Flywheel	37 52 5
46-2214	Shim - Front Pinion Bearing	17 * A/R	54-8680	Shim - Plate	43 * A/R
46-2215	Shim - Front Pinion Bearing	17 * A/R/	54-8690	Shim - Plate	43 * A/R
46-2216	Shim - Front Pinion Bearing	17 * A/R	54-8700	Plate - Smoke Set	42 * A/R
46-2220	Shim - Front Pinion Bearing	17 * A/R	54-8710	Plate - Smoke Set	42 * A/R
46-2221	Shim - Front Pinion Bearing	17 * A/R	54-8730	Plate - Smoke Set	42 * A/R
46-2222	Shim - Front Pinion Bearing	17 * A/R	54-8740	Plate - Smoke Set	42 * A/R
46-2223	Shim - Front Pinion Bearing	17 * A/R	54-8750	Plate - Smoke Set	42 * A/R
46-2224	Shim - Front Pinion Bearing	17 * A/R	54-8760	Plate - Smoke Set	42 * A/R
46-2225	Shim - Front Pinion Bearing	17 * A/R	54-8770	Plate - Smoke Set	42 * A/R
46-2226	Shim - Front Pinion Bearing	17 * A/R	54-8780	E-Ring	42 5 1
46-2410	Shim - Front Pinion Bearing	17 * A/R	54-9040	Yoke - End (Split)	10 63 1
46-2411	Shim - Front Pinion Bearing	18 *22 A/R	54-9180	Kit - U-Joint	10 58 2
46-2412	Shim - Front Pinion Bearing	18 * A/R	54-9290	Bracket	23 29 2
46-2413	Shim - Front Pinion Bearing	18 * A/R	54-9300	Cover	23 28 1
46-2414	Shim - Front Pinion Bearing	18 * A/R	55-3572	Fuel Cap	16 18 1
46-2415	Shim - Front Pinion Bearing	18 * A/R	56-0960	Plate - Smoke Set	42 *7 A/R
46-2416	Shim - Front Pinion Bearing	18 * A/R	56-2460	Washer	20 45 A/R
46-2420	Shim - Front Pinion Bearing	18 * A/R	56-7980	Sleeve - Protective	16 24 1
46-2421	Shim - Front Pinion Bearing	18 * A/R	60-9760	Nut	28 12 1
46-2422	Shim - Front Pinion Bearing	18 * A/R	60-9760	Nut - Hex	29 7 1
46-2423	Shim - Front Pinion Bearing	18 * A/R	60-9770	Piston	28 11 1
46-2424	Shim - Front Pinion Bearing	18 * A/R	60-9780	Head	28 5 1
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46-7610	Starter Assembly	34 47 1	62-3290	Shaft - Slip Yoke	10 60 1
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46-7650	Bracket Assembly - Center	46 5 1	62-3790	Tube - Slip Yoke	10 62 1
46-7660	Switch Assembly	46 6 1	62-3800	Yoke - End	10 57 1
46-7670	Armature Set	46 8 1	62-3820	Fitting - Grease	10 59 2
46-7680	Bearing - Front	46 7 1	62-4250	Cylinder - Hydraulic	27 21 1
46-7690	Bearing - Rear	46 9 1	62-4290	O-Ring	26 54 2
46-7700	Bolt Set	46 15 1	62-6840	Sender - Fuel Level	16 12 1
46-7710	Shaft Assembly - Clutch	46 * 1	62-6940	Cap	41 37 1
46-7720	Pinion Set	46 19 1	62-7650	Gasket	16 8 1
46-7730	Snap Ring	46 20 1	63-1400	Belt Guide	32 58 1
46-7740	Gear Set	46 * 1	63-7590	Relay	3 42 1
46-7750	Shaft Assembly Pinion	46 18 1	63-8280	Head Assembly	7 5 1

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Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
63-8290	Vent	7 3 1	67-9080	Motor Housing	25 4 1
63-8300	Element - Fuel Filter	7 10 1	67-9090	Plug	25 42 1
63-8310	Drain Valve	7 11 1	67-9100	Gasket	25 10 1
63-8360	Key	3 11 1	67-9160	Axle - Rear	20 35 1
63-8960	Hose Assy. - Valve/Cooler	5 38 1	67-9410	Washer - Flat	20 10 2
63-8970	Hose - Trans. to Steering	13 14 1	67-9800	Bumper	48 37 1
63-8980	Hose - Aux. to Valve	13 22 1	68-5140	Cap - Steering Wheel	13 46 1
63-8990	Hose	27 15 1	68-5370	Decal - Toro	13 1 1
63-8990	Hose	13 23 1	68-8610	Fender - Extension	2 43 1
63-9010	Hose Assy. - Cooler/Pump	5 27 1	68-8660	Elbow	23 31 1
63-9170	Spindle Assembly L.H.	20 33 1	68-8990	Head - Filter	23 33 1
63-9180	Spindle Assembly R.H.	20 1 1	68-9110	Shim	33 37 A/R
63-9220	Steering Pivot	20 38 1	68-9111	Shim	33 * A/R
63-9240	Cylinder - Hydraulic	20 16 1	68-9112	Shim	33 * A/R
63-9250	Valve - Power Steering	13 25 1	68-9160	Bracket	5 35 1
63-9260	Manifold - Valve	27 17 1	68-9650	Hose - Axle	23 37 1
63-9640	Hose Fuel	16 27 1	68-9710	Hose - Steering Cylinder	16 43 2
63-9650	Hose	7 20 1	68-9720	Hose - Cylinder to Steering	13 19 1
63-9720	Hose	7 7 1	68-9730	Hose - Steering to Cylinder	13 18 1
65-2970	Line - Gas	27 22 1	68-9760	Fuel Tank Base	16 2 1
65-5100	Handle - Hood	5 12 1	70-1180	Cable - Battery Positive	1 13 1
66-1250	Cylinder - Hydraulic	27 * 1	70-1190	Cable - Ground	3 43 1
66-1910	Piston Rod Assembly	22 4 1	70-1190	Ground Cable	4 5 1
66-1930	Nut - Lock	22 6 1	70-1380	Sleeve - Protective	13 17 1
66-1940	Piston	22 5 1	70-1390	Sleeve - Protective	13 15 1
66-1950	Gland	22 3 1	70-2200	Decal - Toro	1 2 1
66-1960	Seal Kit	22 2 1	70-2620	Elbow - 90°	23 38 1
66-3240	Cap - Radiator	6 53 1	71-3580	Hose - Hydraulic	27 19 1
66-5310	Idler Pulley	33 18 1	71-4370	Transmission - Inline	23 42 1
66-5320	Spacer	33 19 1	71-4540	Washer - Thrust	20 8 A/R
66-6370	Lift Arm	48 1 1	71-4850	Cover Flywheel Guard	21 51 1
66-6390	Decal - Caution	1 3 1	72-3690	Fender	2 41 2
66-7030	Screw - Cap w/Washer	33 32 2	72-3750	Ball Bearing	25 2 1
66-7150	Push Arm R.H.	48 9 1	72-4200	Ring - Set - Piston Std.	36 44 3
66-8111	Trim - Hood Cutout	6 54 1	72-4210	Ring Set - Piston	36 45 3
66-9760	Nut - Hex.	13 2 1	72-4220	Ring Set - Piston	36 46 3
66-9770	Seal	14 28 1	72-4230	Ring Set - Piston	36 47 3
66-9780	Bushing	14 29 1	72-4240	Piston & Piston Pin Std.	37 48 3
66-9850	Bolt - Special	14 36 4	72-4250	Piston & Piston Pin	37 * 3
66-9860	Upper Cover & Jacket	14 37 1	72-4260	Piston & Piston Pin	37 * 3
66-9870	Plate - Retaining	14 38 1	72-4270	Piston & Piston Pin	37 * 3
66-9880	Washer - Retaining Plate	14 39 1	72-4280	Camshaft	40 59 1
66-9890	Ring - Retaining	14 40 1	72-4290	Head Assembl - Cylinder	34 8 1
66-9900	Shaft - Input	14 41 1	72-4320	Switch - Ball	9 3 1
66-9970	Spring Kit	14 * 1	72-4320	Switch - Ball	8 20 1
66-9980	Seal Kit	14 * 1	72-9420	Vent Tube Assembly	18 39 1
66-9990	Needle Roller Kit	14 * 1	74-0720	Tube - Manual	8 2 1
67-1700	Decal - Starting Fluid	47 19 1	74-9510	Washer	26 60 4
67-1710	Decal - Caution	1 30 1	75-0560	Steering Wheel Assembly	13 3 1
67-1720	Decal - Torque	2 42 2	75-9900	Engine Support - Front	31 29 1
67-1750	Bushing	20 4 6	76-1900	O-Ring	25 18 2
67-5450	Piston	29 6 1	77-3100	Decal - Warning	5 15 3
67-5460	Head	29 5 1	77-3120	Bracket - Mount, Column	13 9 1
67-5470	Ring - Retaining	29 4 1	77-3140	Engine Mount	33 22 1
67-5480	Shaft	29 2 1	77-3170	Stop - Hood Cable	5 22 2
67-5500	Repair Kit	29 3 1	77-3180	Spacer	47 22 4
67-7250	Spacer - Ring	20 14 1	77-5141	Decal - Hood LH	5 50 1
67-8020	Pump Shaft	25 20 1	77-5151	Decal - Hood RH	5 * 1
67-8050	Needle Bearing	25 35 1	77-5160	Foam - Side	5 2 1
67-8060	Lip Seal	25 36 1	77-5170	Foam - Top	5 1 1
67-8110	Oil Filter	23 34 1	77-5250	Spacer - Hood Cable	5 23 4
67-8130	Support - Axle	20 6 1	80-0060	Hose - Air Cleaner	47 10 1
67-8170	Pin - Rear Axle	20 3 1	80-2880	Bracket - Steering, Tilt	13 40 1
67-8190	Bracket - Engine Support	8 12 2	80-2890	Handle - Steering Tilt	13 34 1
67-8470	Strip - Retainer	5 30 1	80-2930	Washer	13 39 1
67-8570	Strip - Sealing	5 41 1	80-2940	Plate - Pivot	13 29 1
67-8690	Support - Column	13 7 1	80-2960	Spacer - Tower	13 10 2
67-8810	Hinge L.H.	8 10 1	80-2970	Pin - Steering Tilt	13 33 1
67-8820	Hinge, R.H.	8 4 1	80-2980	Boss - Pin	13 32 1
67-8840	Pin - Hinge	5 7 1	80-3330	Gasket	47 12 1
67-8870	Support - Radiator	5 46 1	82-2590	Plug - Thrust	38 88 1
67-9000	Screen - Rear	5 3 1	82-8650	Clamp - Half	13 37 1
67-9030	Grille	5 47 1	82-8660	Cover - Tower	13 5 1

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82-8670	Rod - Brake Latch	11 10 1	237-42	O-Ring	27 31 2
82-8760	Elbow	13 12 1	237-42	O-Ring	24 57 2
82-8770	Elbow	13 21 1	237-78	O-Ring	27 32 2
82-8930	Decal - Parking Brake	11 12 1	237-80	O-Ring	23 30 1
82-8940	Decal - Steering, Tilt	13 44 1	237-80	O-Ring	25 33 1
82-8950	Foam - Flange Hood	5 45 2	237-81	O-Ring	23 32 3
82-8970	Decal - Radiator Coolant	5 48 1	237-86	O-Ring	25 7 4
82-8980	Frame	2 40 1	237-95	O-Ring	25 41 1
82-9010	Disc - Friction	13 38 1	237-141	Bumper - Radiator	6 52 2
84-4890	Drive Shaft Assembly	10 * 1	241-119	Dust Cap	20 20 2
84-8500	Lever - P.T.O.	9 2 1	242-34	Axle Flange Stud	19 11 10
84-8520	Bracket - P.T.O. Switch	9 6 1	242-50	Nut - Wheel	20 21 10
84-8600	Shoe & Lining Assembly	19 9 1	249-21	Hook Clamp	1 16 3
84-8610	Decal - Groundsmaster	5 4 2	249-39	Latch - Flexible Draw	5 24 1
86-7040	Rod - Seat Prop	8 32 1	249-40	Keeper	6 56 1
86-7050	Bracket - Switch Actuator	10 73 1	2412-3	Clamp - Hose	5 14 4
86-7220	Gear Transmission Output	23 44 1	2412-3	Hose - Clamp	47 9 1
86-7230	Spur - Gear	17 14 1	2412-4	Clamp	16 23 1
86-8100	Ball Joint Assembly	48 33 2	2412-4	Clamp	1 27 3
86-9410	Bracket - Seat Support	6 59 1	2412-6	Clamp	16 17 2
86-9580	Upper Housing	18 26 1	2412-31	Clamp - Bodine	31 6 1
86-9600	Differential Assembly	16 35 1	2412-34	Clamp - Hose	23 36 2
88-0070	Floor Plate	2 48 1	2412-36	Clamp	13 24 2
88-0470	Tube - Pedal Spacer	12 49 1	2412-36	Clamp Hose	27 16 1
88-0530	Pedal Traction	11 18 1	2412-39	Clamp	5 40 1
88-1640	Pin - Traction Pedal	11 20 1	2412-39	R-Clamp	16 25 2
88-1650	Shaft - Traction Pedal	11 22 1	2412-42	Hose Clamp	47 11 1
88-1670	Bracket - Pivot	11 23 1	2412-61	Clip - Tinnerman	1 25 2
88-1680	Bracket - Footrest	11 48 1	2412-74	Clamp	2 35 1
88-1710	Footrest	12 50 1	2412-79	Clamp	16 14 1
88-1720	Pad - Footrest	12 51 1	2412-79	Clamp	31 15 1
88-1730	Pad - Front Pedal	11 47 1	2412-79	Clamp - Hose	39 34 8
88-1740	Pad - Pedal Rear	11 19 1	2412-108	Clamp - Hose	27 28 2
88-1790	Wire Harness Assembly	4 2 1	2412-108	Clamp - Worm Drive	31 14 1
88-3370	Spacer - Sealing Plate	6 62 1	2412-108	Hose Clamp	7 1 5
88-3390	Plate - Sealing	5 37 1	2412-127	Clamp	5 6 4
92-1773	Screw - Cap Hex. Hd.	17 11 4	2412-133	R-Clamp	8 3 2
92-1774	Oil Seal	19 2 2	251-8	Ball Bearing	25 46 1
32104-96	Screw - Cap Hex. Hd.	16 6 1	251-234	Lock Collar	9 41 2
212-93	Wire Clip	8 18 2	251-252	Ball Bearing	31 33 1
212-93	Wire Clip	10 53 1	251-252	Ball Bearing	9 40 2
217-106	Wheel	20 22 2	251-259	Ball Bearing	23 5 1
217-116	Rim - 23x10.5x12	16 * 2	252-82	Needle Bearing	25 23 2
217-117	Rim	16 33 2	253-129	Closure	20 31 2
218-461	Nut - Jam	8 29 1	254-65	Cone - Tapered Bearing	18 28 2
218-461	Nut - Jam	10 70 2	254-66	Cup - Tapered Bearing	18 27 2
218-473	Toggle Switch Boot	3 17 1	254-72	Cup - Bearing	20 29 4
218-515	Mounting Bracket	3 39 1	254-90	Bearing Cup	18 24 1
218-533	Lens	3 9 1	254-91	Bearing Cone	18 23 1
218-539	Clamp	3 13 1	254-94	Cone - Bearing	20 28 4
231-90	Tube - Inner	16 * 2	256-10	Bushing	11 43 4
231-95	Tire - 23x10.5x12	16 * 2	256-113	Bushing - Flange	9 47 4
231-105	Tire	20 24 2	256-121	Bushing - Thrust	20 34 2
231-138	Tire - 6 Ply	16 31 2	256-126	Bushing	48 16 6
232-27	Valve Stem	16 * 1	256-156	Bushing	11 6 5
232-31	Valve Stem w/Cap	20 23 2	256-242	Bushing	20 41 2
232-31	Valve Stem w/Cap	16 34 2	281-1	Plug - Taper	39 16 1
233-17	Knob	11 11 1	283-8	Clevis Pin	9 26 1
233-21	Knob	27 3 1	283-10	Pin	48 40 3
233-21	Knob - Handle	13 35 1	283-17	Pin	27 26 1
233-35	Knob	3 7 2	283-42	Clevis Pin	9 7 1
237-7	Seal - O-Ring	8 28 1	283-58	Clevis Pin	11 14 2
237-7	Seal - O-Ring	10 69 1	283-76	Pin - Lynch	6 60 1
237-22	O-Ring	25 13 1	285-17	Pipe Plug	25 12 6
237-22	O-Ring	13 20 3	289-37	Pipe Nipple	16 40 1
237-22	O-Ring	27 29 2	2811-9	Street Elbow	16 39 1
237-22	O-Ring	24 58 1	302-2	Grease Fitting	9 39 1
237-30	O-Ring	13 13 3	302-5	Fitting - Grease	20 19 3
237-30	O-Ring	27 30 2	302-5	Fitting - Grease	11 44 2
237-30	O-Ring	24 59 1	302-5	Grease Fitting	48 13 1
237-30	Seal - O-Ring	9 4 1	302-5	Grease Fitting	48 34 2
237-30	Seal - O-Ring	8 23 1	302-10	Grease Fitting	9 10 1
237-42	O-Ring	30 2 2	302-10	Grease Fitting	31 31 1

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Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
302-11	Fitting - Grease	20 36 1	3229-1	Bolt - Carriage	2 38 5
302-33	Grease Fitting	48 28 2	3230-1	Bolt - Carriage	12 52 2
302-55	Fitting - Grease	28 2 2	3230-2	Bolt - Carriage	16 29 3
302-55	Grease Fitting	29 1 2	3231-21	Bolt - Carriage	11 31 2
302-58	Fitting - Grease	10 61 1	3233-14	Bolt - Carriage	33 9 1
304-46	Drain Cock	5 25 1	3234-1	Screw - Flange Hex. Hd.	5 18 2
304-73	Fitting - Straight Barb	27 23 1	3234-11	Screw - Cap Hex. Hd.	11 39 3
304-73	Hose Barb	7 19 1	3234-11	Screw - Cap Hex. Hd.	33 31 4
304-75	Fitting - 90° Barb	27 20 1	3234-11	Screw - Cap Hex. Hd.	31 45 4
304-96	90° Hose Barb	7 2 1	3234-11	Screw - Flange	5 39 2
321-2	Screw - Cap Hex. Hd.	23 26 2	3234-11	Screw - Flange Lock	1 28 5
321-3	Screw - Cap Hex. Hd.	33 36 4	3234-11	Screw w/Locking Flange	8 13 6
321-4	Screw - Cap Hex. Hd.	7 4 2	3234-12	Screw - Hex. Hd. Flange	1 6 4
321-4	Screw - Cap Hex. Hd.	5 5 2	3234-12	Screw - Lock Flange	33 33 2
321-4	Screw - Cap Hex. Hd.	31 7 1	3234-14	Screw - Cap Hex. Hd.	20 2 2
321-4	Screw - Cap Hex. Hd.	23 27 2	3234-14	Screw - Cap Hex. Hd.	8 6 5
321-4	Screw - Cap Hex. Hd.	3 30 2	3234-14	Screw - Cap Hex. Hd.	2 44 2
321-4	Screw - Cap Hex. Hd.	10 72 1	3234-14	Screw - Flange Hex. Hd.	5 16 11
321-6	Screw - Cap Hex. Hd.	23 47 2	3234-17	Screw - Cap Hex. Hd.	13 8 2
321-6	Screw - Cap Hex. Hd.	7 12 2	3234-17	Screw - Cap Hex. Hd.	8 16 4
321-6	Screw - Cap Hex. Hd.	16 20 1	3234-18	Screw - Cap Hex. Hd.	32 60 1
321-6	Screw - Cap Hex. Hd.	3 44 1	3234-25	Screw - Cap Flange Hd.	2 50 4
321-23	Screw - Cap Hex. Hd.	27 14 5	3234-32	Screw - w/Locking Flange	8 11 2
322-2	Screw - Cap Hex. Hd.	8 21 2	3234-32	Screw - Cap Hex Flange	20 7 4
322-3	Screw - Cap Hex. Hd.	16 26 2	3241-5	Screw - Set Sq. Hd.	23 16 2
322-4	Screw - Cap Hex. Hd.	25 37 4	3245-1	Screw - Set Socket Head	31 36 2
322-4	Screw - Cap Hex. Hd.	13 43 1	3245-1	Set Screw	9 46 2
322-5	Screw - Cap Hex. Hd.	3 29 2	3246-3	Set Screw	9 29 4
322-5	Screw - Cap Hex. Hd.	1 34 1	3249-11	Screw - Mach. Rd. Hd.	23 1 2
322-6	Screw - Cap Hex. Hd.	23 21 6	3250-17	Screw - Pan Hd.	3 22 2
322-6	Screw - Cap Hex. Hd.	5 43 1	3253-3	Washer - Lock	16 5 2
322-8	Screw - Cap Hex. Hd.	23 25 2	3253-3	Washer - Lock	33 35 4
322-9	Screw - Cap Hex. Hd.	10 65 2	3253-3	Washer - Lock	31 51 3
322-10	Screw - Cap Hex. Hd.	47 13 4	3253-4	Washer - Lock	1 8 2
322-17	Screw - Cap Hex. Hd.	23 8 1	3253-4	Washer - Lock	33 21 5
323-6	Screw - Cap Hex. Hd.	20 46 1	3253-4	Washer - Lock	23 24 2
323-6	Screw - Cap Hex. Hd.	13 27 2	3253-4	Washer - Lock	31 47 2
323-7	Capscrew	23 39 2	3253-6	Washer - Lock	48 7 2
323-13	Screw - Cap Hex. Hd.	25 3 4	3253-17	Washer - Lock	3 3 6
323-13	Screw - Cap Hex. Hd.	11 32 2	3253-17	Washer - Lock	16 9 1
323-14	Screw - Cap Hex. Hd.	5 32 3	3253-21	Washer - Lock	11 29 4
324-4	Screw - Cap Hex. Hd.	48 19 2	3253-21	Washer - Lock	16 38 2
324-11	Screw - Cap Hex. Hd.	33 27 2	3253-21	Washer - Lock	23 40 2
324-12	Screw - Cap Hex. Hd.	48 22 2	3253-21	Washer - Lock	20 47 1
324-12	Screw - Cap Hex. Hd.	31 38 2	3253-21	Washer - Lock	10 55 4
328-25	Screw - Cap Hex. Hd.	20 11 2	3254-2	Washer - Lock I.T.L.W.	2 51 1
329-7	Screw - Cap Hex. Hd.	31 53 1	3254-2	Washer - Lock Int. Tooth	31 18 2
3210-7	Screw - Cap Hex. Hd.	23 6 1	3254-2	Washer - Lock I.T.L.W.	3 24 6
3210-7	Screw - Cap Hex. Hd.	17 19 8	3254-7	Washer - Lock	9 15 1
3217-5	Nut	31 50 1	3254-9	Washer - Lock	23 49 2
3217-6	Nut	47 2 2	3255-5	Washer - Lock	3 38 1
3217-6	Nut - Hex	3 32 2	3255-7	Washer - Lock E.T.L.W.	3 31 3
3217-6	Nut - Hex.	1 7 2	3255-7	Washer - Lock	23 50 3
3217-7	Nut - Hex	11 28 2	3255-7	Washer - Lock Ext. Tooth	7 21 2
3217-8	Nut - Full	48 8 2	3255-8	Washer - Lock	17 2 8
3217-9	Nut	21 50 2	3255-9	Washer - Lock E.T.L.W.	32 61 1
3217-16	Nut - Hex.	23 48 2	3256-1	Washer - Flat	3 45 1
3217-26	Nut	3 37 1	3256-3	Washer - Flat	23 23 4
3218-5	Nut - Jam	11 3 2	3256-3	Washer - Flat	13 28 4
3218-7	Nut - Jam	13 42 1	3256-6	Washer - Flat	9 20 1
3219-1	Nut	31 2 5	3256-6	Washer - Flat	21 49 2
3219-2	Nut	17 1 8	3256-6	Washer - Flat	24 53 1
3219-2	Nut - Hex	23 9 1	3256-14	Washer - Flat	3 35 1
3219-3	Nut	9 33 1	3256-22	Washer - Flat	11 8 1
3219-7	Nut	9 16 1	3256-22	Washer - Flat	31 8 1
3219-14	Nut	3 1 6	3256-23	Washer - Flat	8 9 1
3219-14	Nut	16 10 1	3256-23	Washer - Flat	8 22 2
3220-3	Nut - Jam	11 27 1	3256-25	Washer - Flat	48 6 1
3220-3	Nut - Jam	20 43 8	3256-26	Washer - Flat	11 40 1
3220-5	Nut - Jam	11 46 1	3256-28	Washer - Flat	9 14 4
3220-5	Nut - Jam R.H. Thd.	20 40 2	3256-28	Washer - Flat	20 27 2
3220-6	Nut	14 27 1	3256-41	Washer - Flat	9 36 3
3220-12	Nut - Jam L.H. Thd.	20 * 2	3256-46	Washer - Flat	13 26 2

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3256-64	Washer - Flat	31 25 4	32121-9	Pin - Roll	9 49 1
3257-5	Woodruff Key	9 11 3	32121-15	Roll Pin	18 30 1
3257-30	Key - Woodruff	33 3 2	32121-16	Pin - Roll	11 24 1
3257-32	Woodruff Key	23 15 1	32121-24	Pin - Roll	24 55 1
3257-32	Woodruff Key	25 21 1	32121-34	Pin - Roll	9 45 2
3257-33	Key Woodruff	31 30 1	32121-73	Pin - Slotted Spring	27 9 1
3258-19	Screw - Mach. Rd. Hd.	47 16 2	32121-84	Roll Pin	48 25 2
3269-10	Washer - Backup	5 10 2	32121-91	Pin - Coil Spring	25 49 3
3272-5	Cotter Pin	11 7 3	32122-16	Screw - Truss Hd.	6 61 1
3272-6	Cotter Pin	27 8 1	32128-17	Nut - Lock Flange Hd.	3 26 3
3272-6	Cotter Pin	11 21 6	32128-20	Nut - Flange	47 21 4
3272-10	Cotter Pin	9 8 1	32128-20	Nut - Flange	16 37 3
3272-10	Cotter Pin	48 38 3	32128-20	Nut - Flange	13 41 1
3272-10	Cotter Pin	24 54 1	32128-20	Nut - Lock Flange	2 37 1
3272-11	Cotter Pin	48 2 2	32128-20	Screw - Flange Hex. Hd.	5 29 11
3272-11	Cotter Pin	9 28 1	32128-21	Nut - Flange	5 36 5
3272-13	Pin - Cotter	20 26 2	32128-21	Nut - Flange Lock	1 5 10
3272-16	Cotter Pin	33 14 2	32128-23	Nut - Lock Flange	20 5 4
3272-22	Cotter Pin	9 17 2	32128-23	Nut - Lock Flange	33 16 1
3272-24	Cotter Pin	48 10 1	32128-23	Nut - Lock Flange	31 24 2
3272-33	Cotter Pin	48 17 1	32128-25	Nut - Flange Lock	12 53 2
3274-47	Screw - Flat Hd. Socket	11 33 1	32128-32	Nut - Flange	5 9 8
3274-69	Screw - Socket Hd.	6 57 6	32128-33	Nut - Lock Flange	2 39 5
3290-134	Screw - Hex. Hd. Mach.	3 4 2	32128-37	Nut - Lock Flange	33 23 2
3290-144	Screw - Machine	1 17 6	32128-37	Nut - Lock Flange	31 44 2
3290-224	Washer - Lock	32 59 1	32128-42	Nut - Flange Lock	48 27 4
3290-271	Rivet	5 11 4	32128-45	Nut - Lock	20 37 2
3290-357	Nut - Flange Lock	1 26 5	32136-2	Nut	48 3 2
3290-357	Nut - Lock Flange	33 7 8	32136-3	Nut - Hex. Slotted	33 13 2
3290-357	Nut - Lock Flange	8 14 6	32136-5	Nut - Slotted	20 25 2
3290-357	Nut - Lock Flange	31 43 7	32144-10	Screw - Hex. Hd. Self Tap	8 33 2
3290-378	Cable Tie	7 8 A/R	32144-10	Screw - Hex. Thd. Form	13 6 6
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3290-379	Cable Tie	31 16 1	32144-10	Screw - Self-Tapping	2 45 11
3290-379	Cable Tie	3 41 1	32144-10	Screw - Thd. Forming	21 52 2
3290-379	Tie - Cable	13 16 3	32144-21	Screw	13 45 1
3290-379	Tie - Cable	5 31 4	32144-53	Screw - Thread Forming	16 11 5
3290-424	Screw - Hex. Hd. Mach.	3 28 1	32144-67	Screw - Cap Thd. Forming	16 36 4
3296-2	Nut	1 14 6	32146-20	Nut - Lock	20 9 1
3296-4	Nut - Lock	13 30 4	32149-2	Nut	7 9 2
3296-6	Nut - Lock	9 34 1	32149-2	Nut	7 22 2
3296-16	Nut - Lock	10 74 1	32149-2	Nut	11 37 1
3296-20	Nut - Lock	31 5 1	32149-2	Nut - Lock	3 33 3
3296-20	Nut - Lock	16 22 2	32151-36	Ring - Retaining	20 12 3
3296-28	Nut - Lock	9 27 1	32151-46	Retaining Ring	25 27 2
3296-29	Nut - Lock	23 4 1	32152-1	Nut - Lock	23 19 8
3296-29	Nut - Lock	13 36 2	32152-1	Nut - Lock Flange	31 12 1
3296-29	Nut - Lock	10 64 2	32153-2	Nut - Hex.	13 11 2
3296-42	Nut - Lock	23 10 6	32153-2	Nut - Lock	11 30 2
3296-42	Nut - Lock	27 10 5	32153-2	Nut - Lock	32 57 1
3296-59	Nut - Lock	6 63 1	340-54	Fitting 45°	20 15 2
32103-2	Nut - Wing	1 11 3	340-70	Nut - Lock Bulkhead	5 34 2
32103-2	Nut - Wing	5 51 2	340-71	Union - Bulkhead	5 33 2
32104-6	Screw - Hex. Hd. Tapping	10 56 4	340-77	Elbow	23 12 1
32104-6	Screw - Self Tapping	16 1 2	340-97	Fitting - 90°	27 25 1
32104-116	Screw - Self Tapping	5 20 8	340-99	Elbow	23 13 1
32107-11	Nut	47 14 2	340-99	Fitting - 90° Elbow	27 12 1
32111-8	Nut - Acorn	5 8 2	340-110	Elbow - 90°	27 24 1
32120-8	Retaining Ring	25 1 1	340-112	Elbow - 90°	27 18 1
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32120-22	Ring - Retaining	9 42 2	353-550	Plug - Hex. Hd.	25 19 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 325D 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 325D – 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 325D.
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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