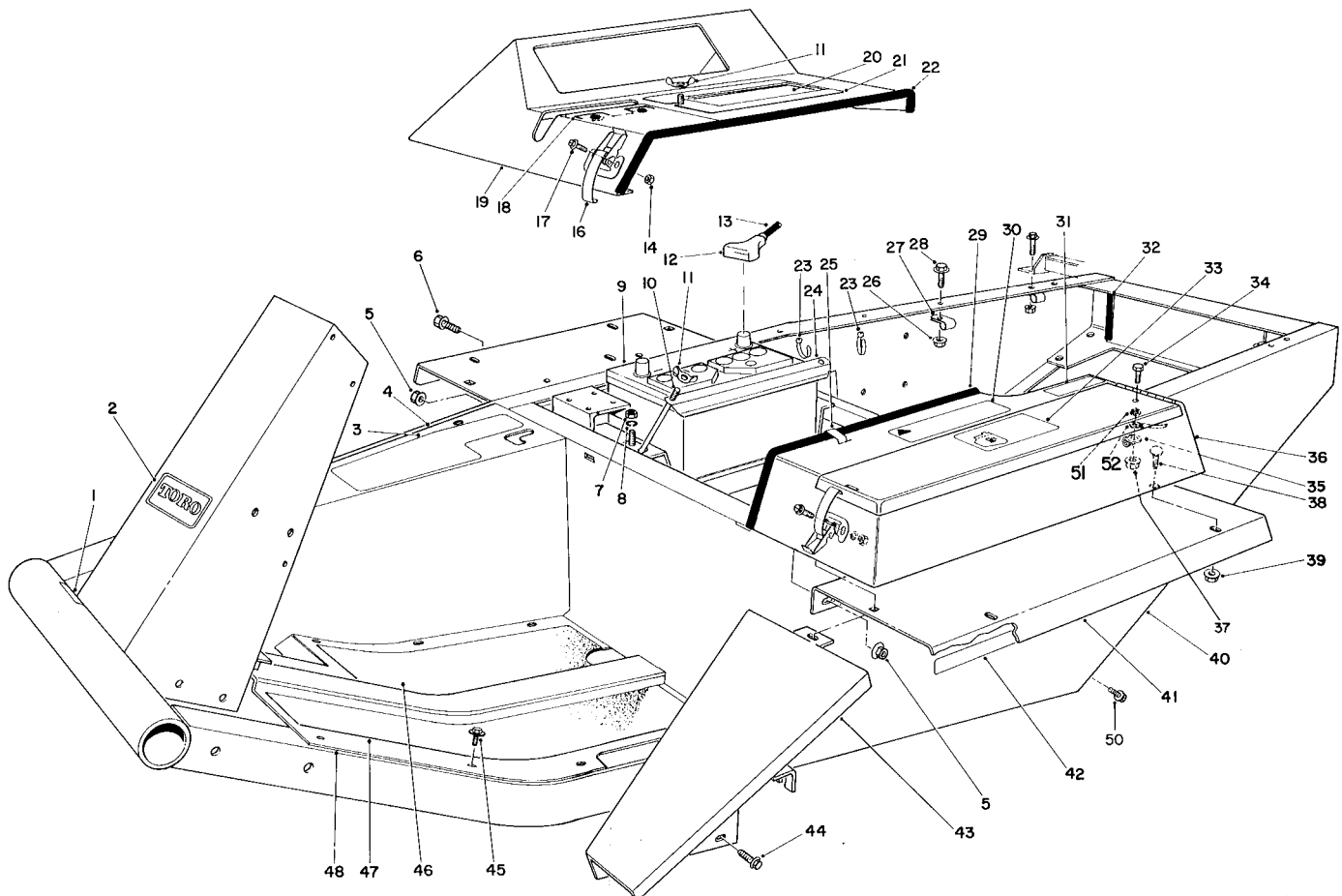




MODEL NO. 30788-30001 &amp; UP

**PARTS  
CATALOG**
**GROUNDMASTER® 325D  
TRACTION UNIT & ACCESSORIES**


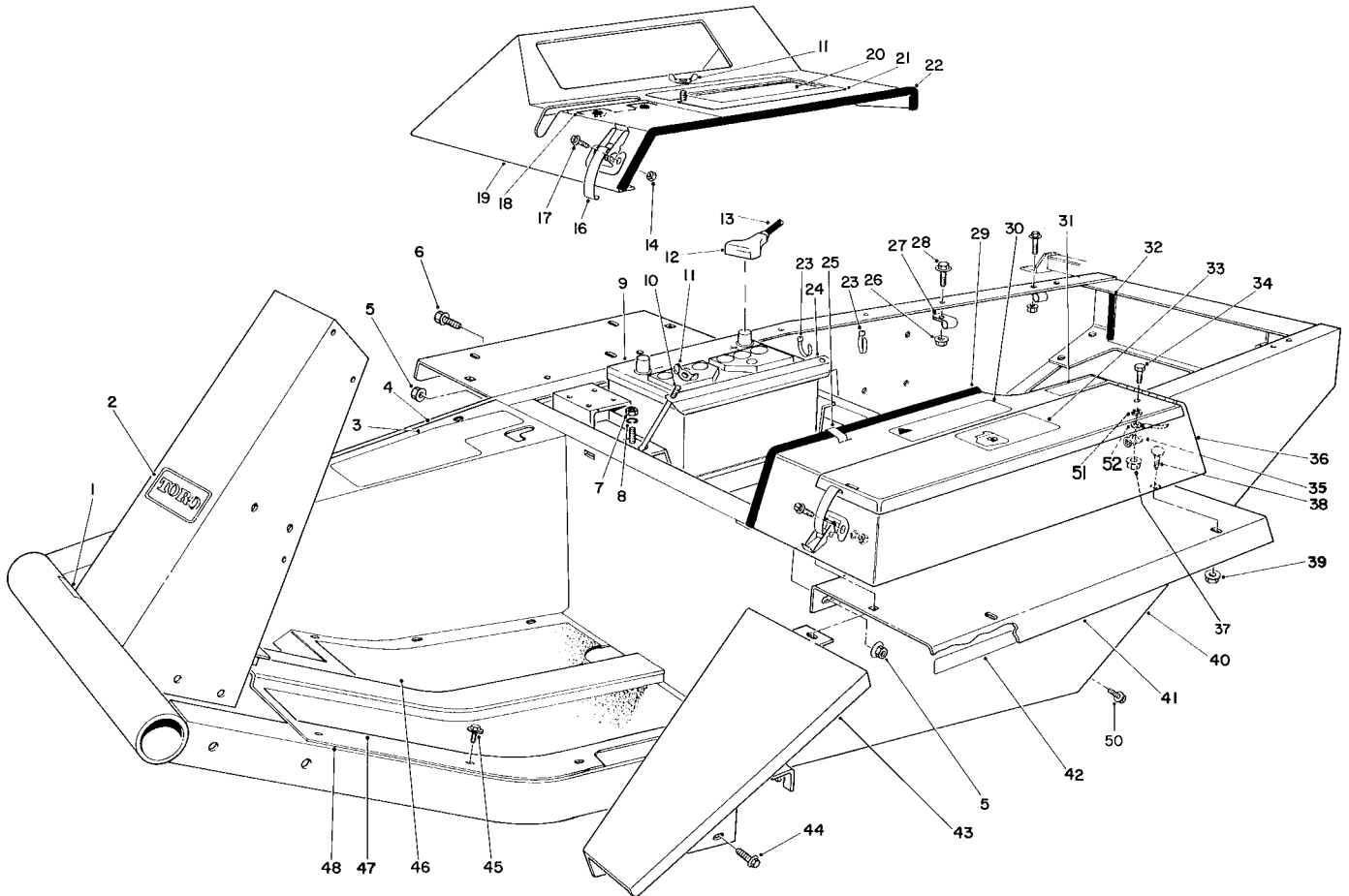
T-0407

**MAIN FRAME ASSEMBLY**

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

†Obtain Locally

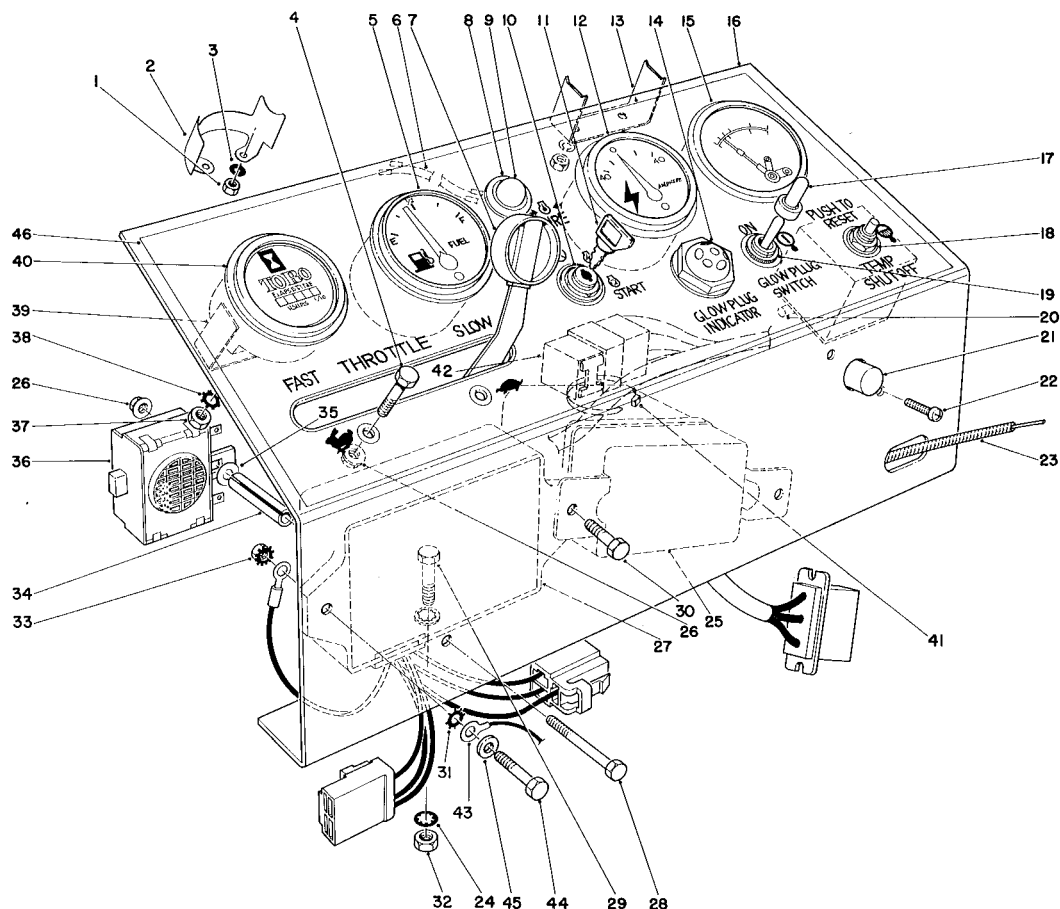
TPS



T-0407

## MAIN FRAME ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
33	27-7310	Decal - Refueling	1	42	67-1720	Decal - Torque	2
34	322-5	Screw - Cap, Hex. Hd.	1	43	68-8610	Fender - Extension	1
35	2412-74	Clamp	1	44	3234-14	Screw - Cap, Hex. Hd.	2
36	38-4530	Tool Box	1	45	32144-10	Screw, Self-Tapping	11
37	32128-20	Nut - Lock, Flange	1	46	21-2770	Pad - Foot Rest R.H.	1
38	3229-1	Bolt - Carriage	5	47	21-2760	Pad - Foot Rest L.H.	1
39	32128-33	Nut - Lock, Flange	5	48	88-0070	Floor Plate	1
40	82-9970	Frame (Inc. Ref. #5 & 50)	1	50	3234-25	Screw - Cap, Flange Hd.	4
41	72-3690	Fender	2	51	3254-2	Washer - Lock Internal	1
				52	18-2770	Cable - Ground	1

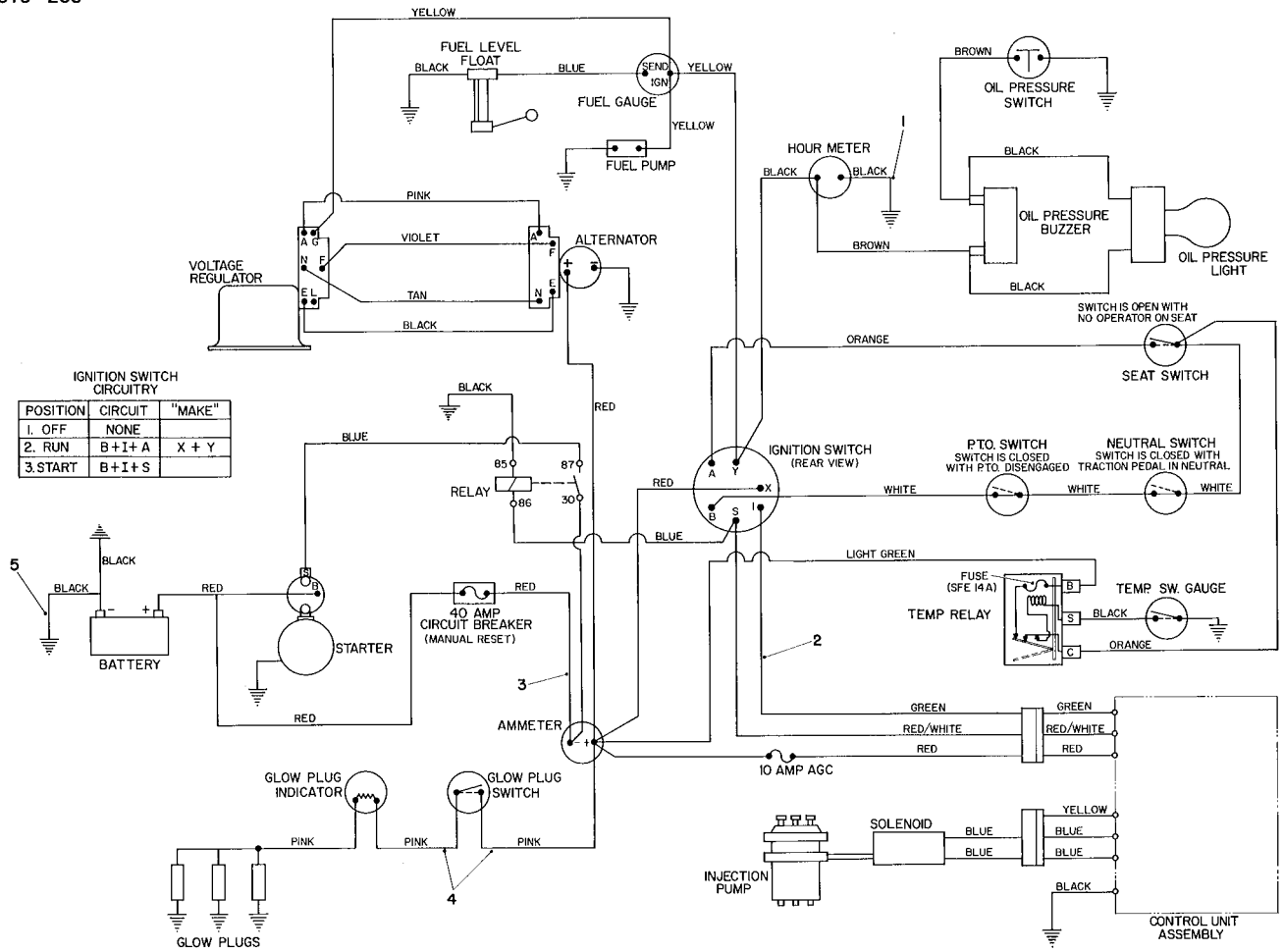


T-0408

## 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, Int. Tooth	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		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, Ext. Tooth	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 - Panel, Instrument	1

†Obtain Locally

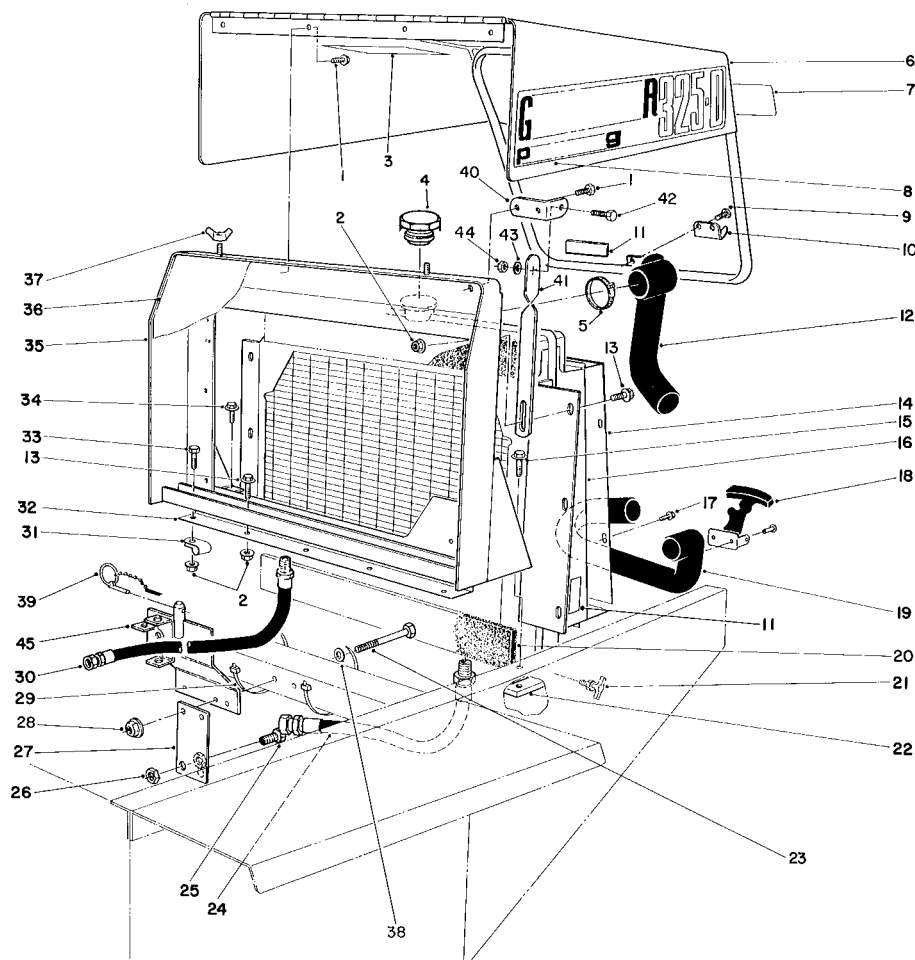


T-0409

## 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

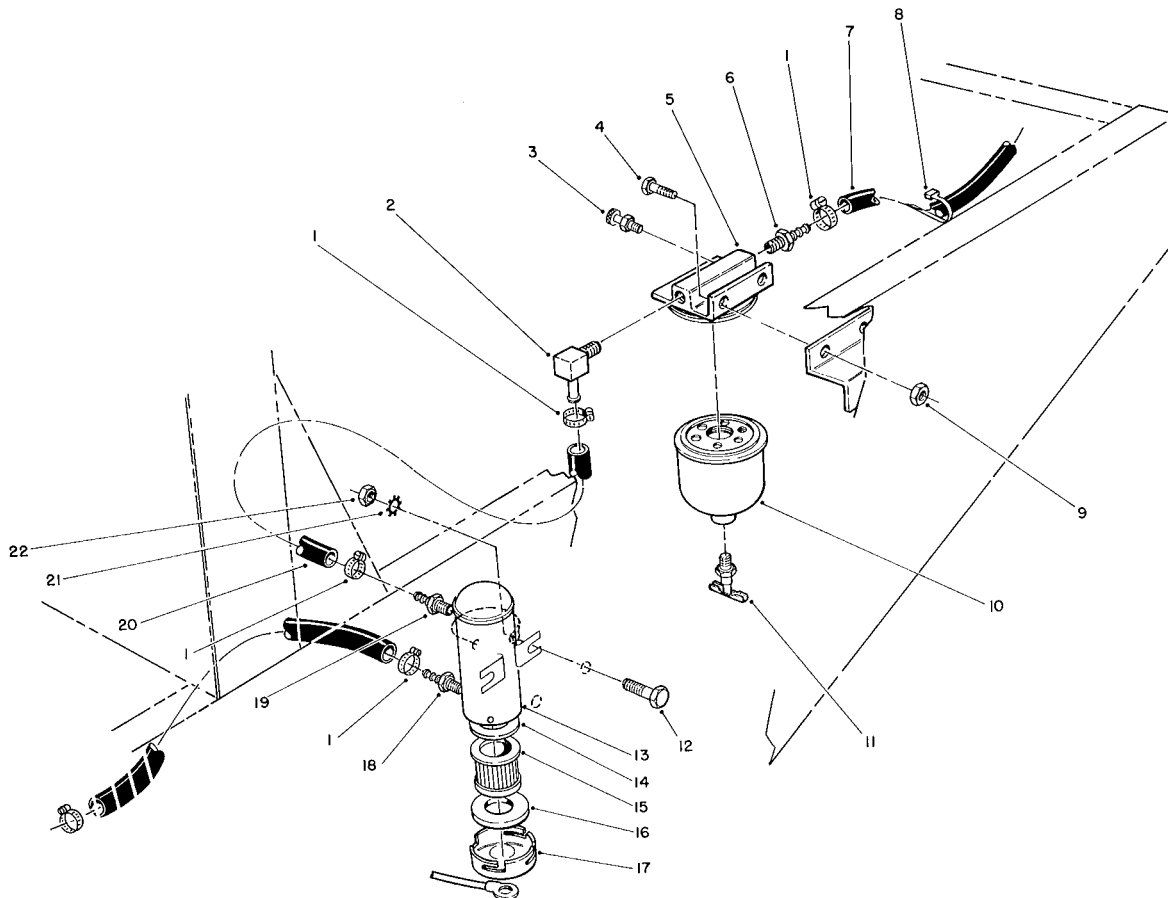


T-0410

## RADIATOR & HOOD ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	32144-10	Screw - Self-Tapping	5
2	32128-20	Nut - Hex. Hd. Flange	11
3	82-8970	Decal - Engine Coolant	1
4	66-3240	Radiator Cap Assy.	1
5	2412-3	Hose Clamp	4
6	14-8459	Hood	1
7	66-6140	Decal - Toro	1
8	84-8610	Decal - 325D	2
9	3290-271	Rivet	4
10	249-40	Keeper	1
11	77-3100	Decal - Warning	3
12	43-3350	Hose - Upper, Radiator	1
13	3234-14	Screw - Hex, Flange Hd.	11
14	43-3330	Radiator Shroud	1
15	3234-1	Screw - Cap, Locking Hex. Flange Hd.	2
16	33-2570	Radiator Assembly	1
17	32104-116	Screw - Self Tapping	8
18	59-9740	Flexible Draw Latch (Incl. Ref. #10)	1
19	43-7020	Hose - Lower, Radiator	1
20	43-3320	Foam - Radiator	2
21	304-46	Drain Cock	1
22	38-4600	Bar - Frame L.H.	1
23	323-14	Screw - Cap, Hex. Hd.	3

Ref. No.	Part No.	Description	No. Used
24	63-9010	Hose Assembly (Cooler to Pump)	1
25	340-71	Union - Bulkhead	2
26	340-70	Nut - Lock, Bulkhead	2
27	68-9160	Bracket	1
28	32128-21	Nut - Flange Hd.	3
29	3290-379	Cable Tie	4
30	63-8960	Hose Assembly (Valve to Cooler)	1
31	2412-39	Clamp	1
32	43-3340	Grille - Sealing Plate	1
33	322-6	Screw - Cap, Hex. Hd.	1
34	11-0590	Screw - Cap, Self Tapping	2
35	88-1820	Radiator Support	1
36	67-9030	Grille	1
37	32103-2	Nut - Wing	2
38	5-0838	Washer - Flat	3
39	283-76	Pin - Lynch	1
40	84-5330	Bracket - Hood Prop	1
41	84-5380	Strap - Hood Prop	1
42	321-6	Screw - Cap Hex. Hd.	1
43	3256-22	Washer - Flat	1
44	3296-16	Nut - Lock	1
45	86-9410	Bracket - Seat Support	1

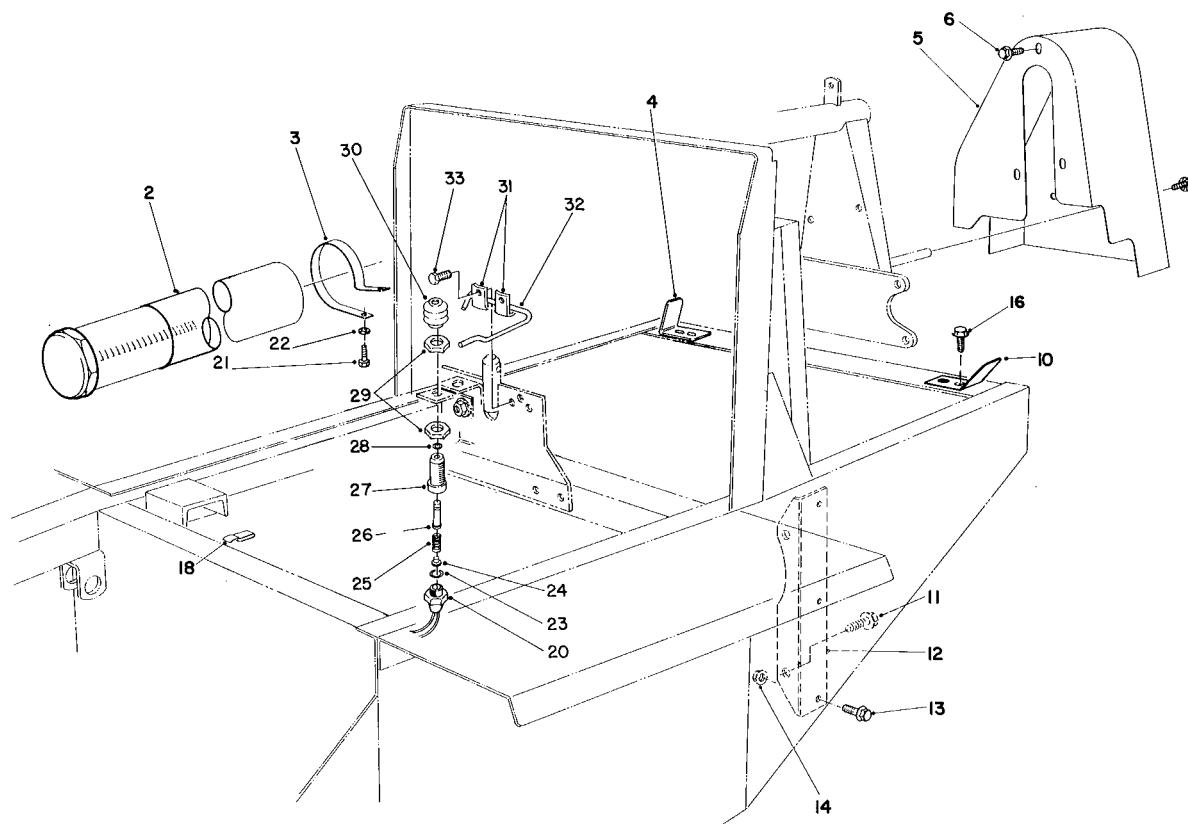


T-0411

## 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

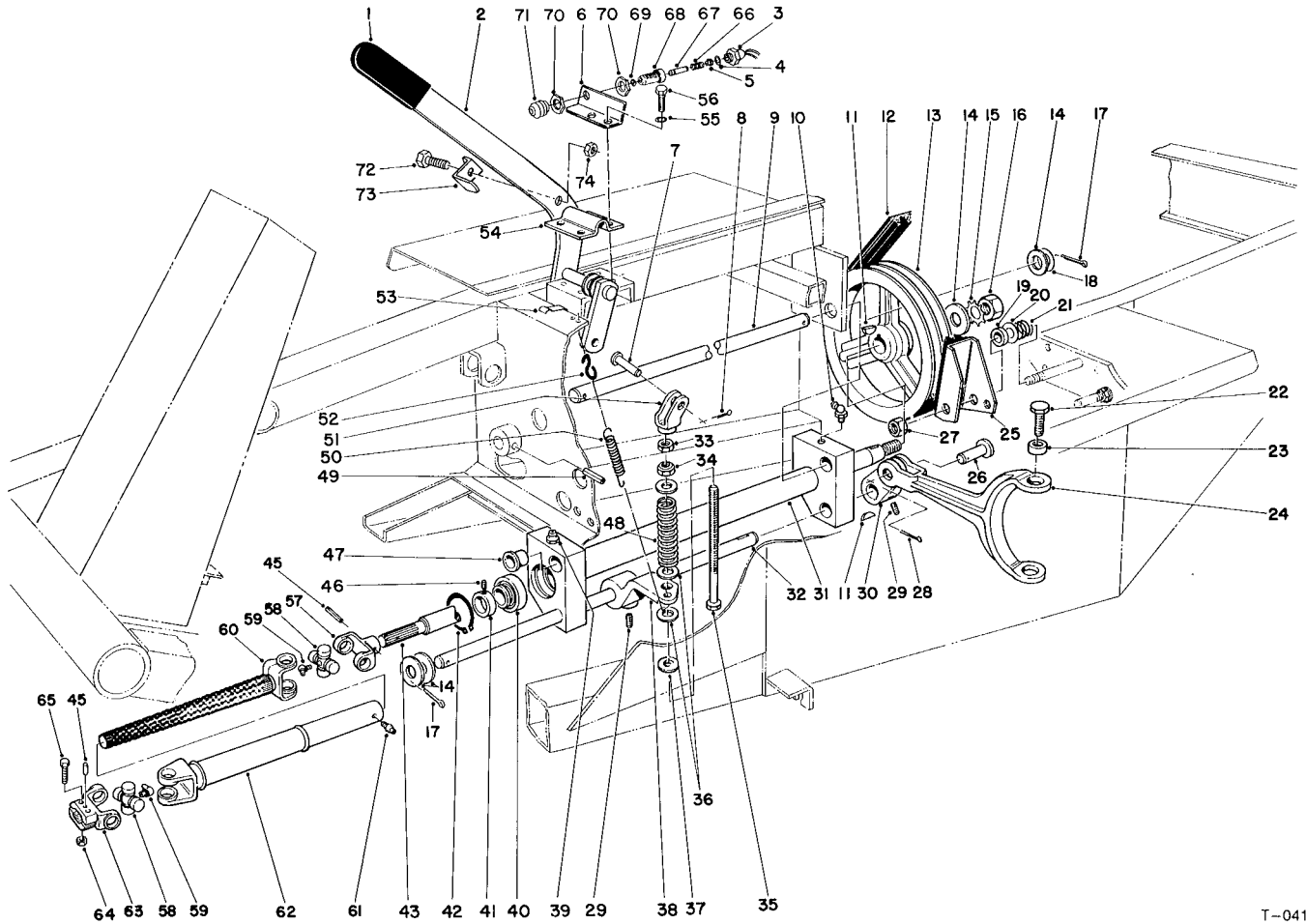


T-0412

## INTERLOCK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
2	74-0720	Tube - Manual	1
3	2412-133	R-Clamp	2
4	62-3010	Bracket, 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	62-3020	Bracket 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	2
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



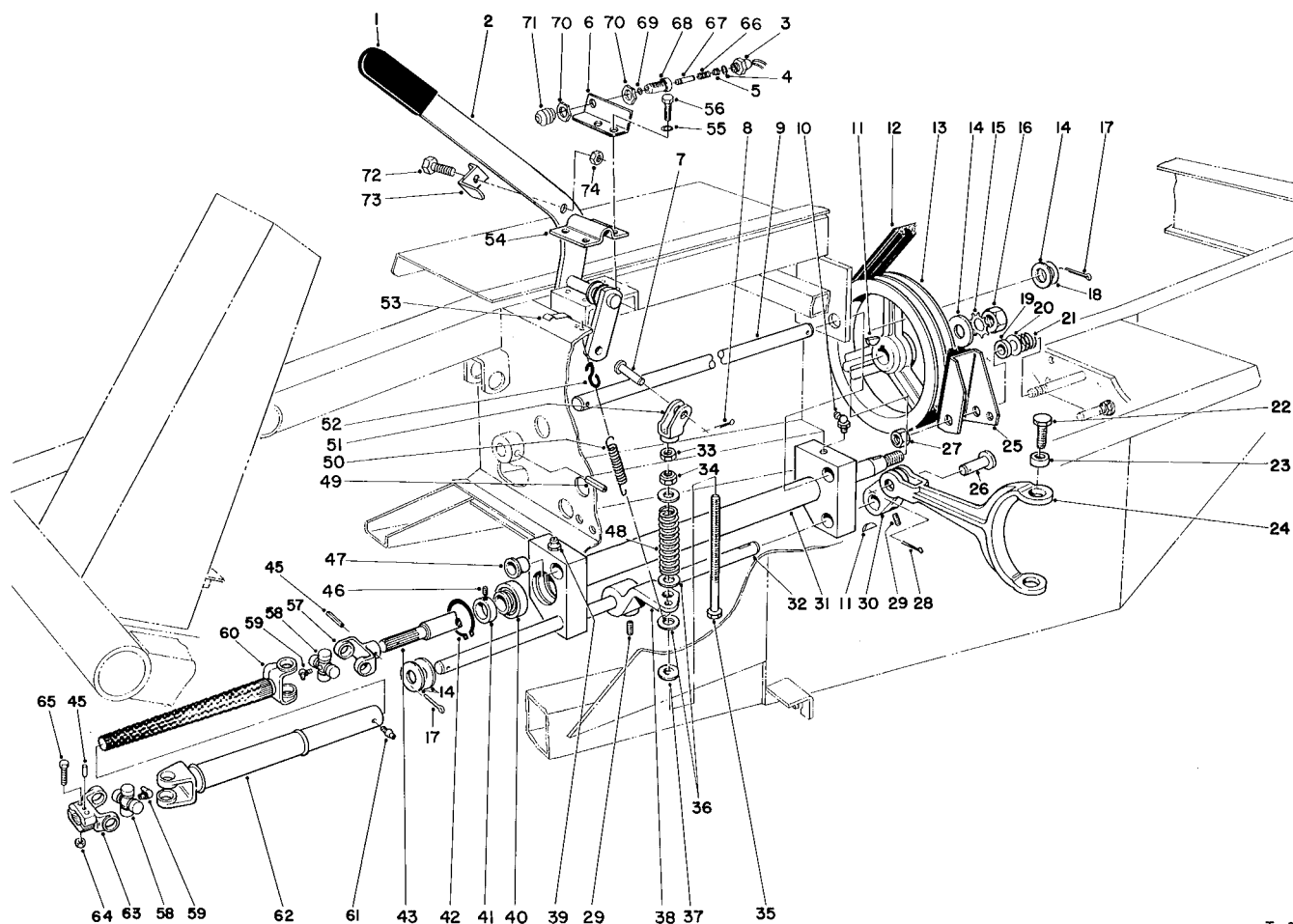
T-0413

## 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



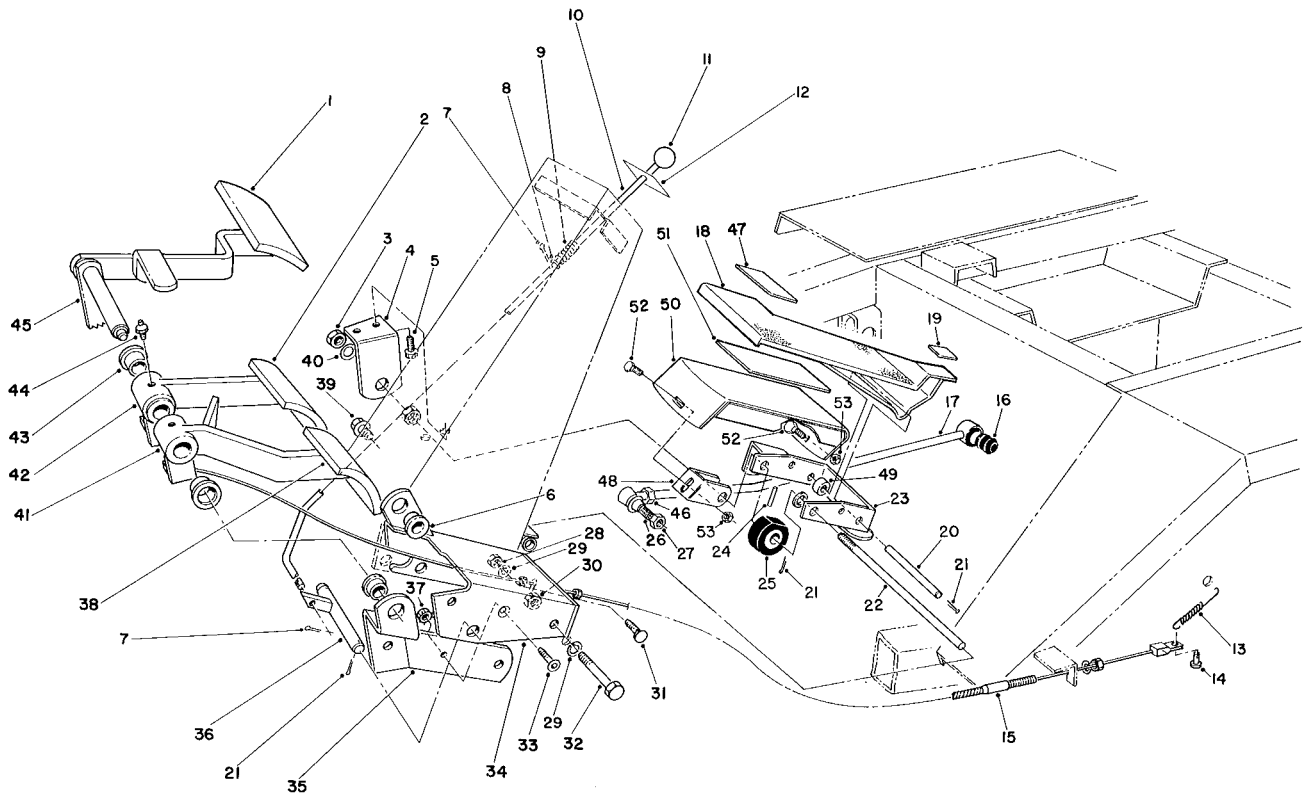


T-0413

## POWER TAKE OFF ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
52	5-0701	Spring Anchor	1	65	322-9	Screw - Cap Hex. Hd.	2
53	212-93	Wire Clip	1	66	43-8600	Spring - Compression	1
54	21-1600	Clamp P.T.O. Lever	1	67	43-8860	Plunger - Switch	1
55	3253-21	Washer - Lock	4	68	43-8620	Guide - Switch Pin	1
56	32104-6	Screw - Hex. Hd. Tapping	4	69	237-7	Seal - O-Ring	1
57	62-3800	Yoke - End	1	70	218-461	Nut - Jam	2
58	54-9180	Kit - U-Joint	2	71	43-8870	Boot - Switch	1
59	62-3820	Fitting - Grease	2	72	321-4	Screw - Cap Hex. Hd.	1
60	62-3290	Shaft - Slip Yoke	1	73	86-7050	Bracket - Switch Actuator	1
61	302-58	Fitting - Grease	1	74	3296-16	Nut - Lock	1
62	62-3790	Tube - Slip Yoke	1	*	84-4890	Drive Shaft Assembly (Incl. Ref. #57-63)	1
63	54-9040	Yoke - End (Split)	1				
64	3296-29	Nut - Lock	2				

\*Not Illustrated



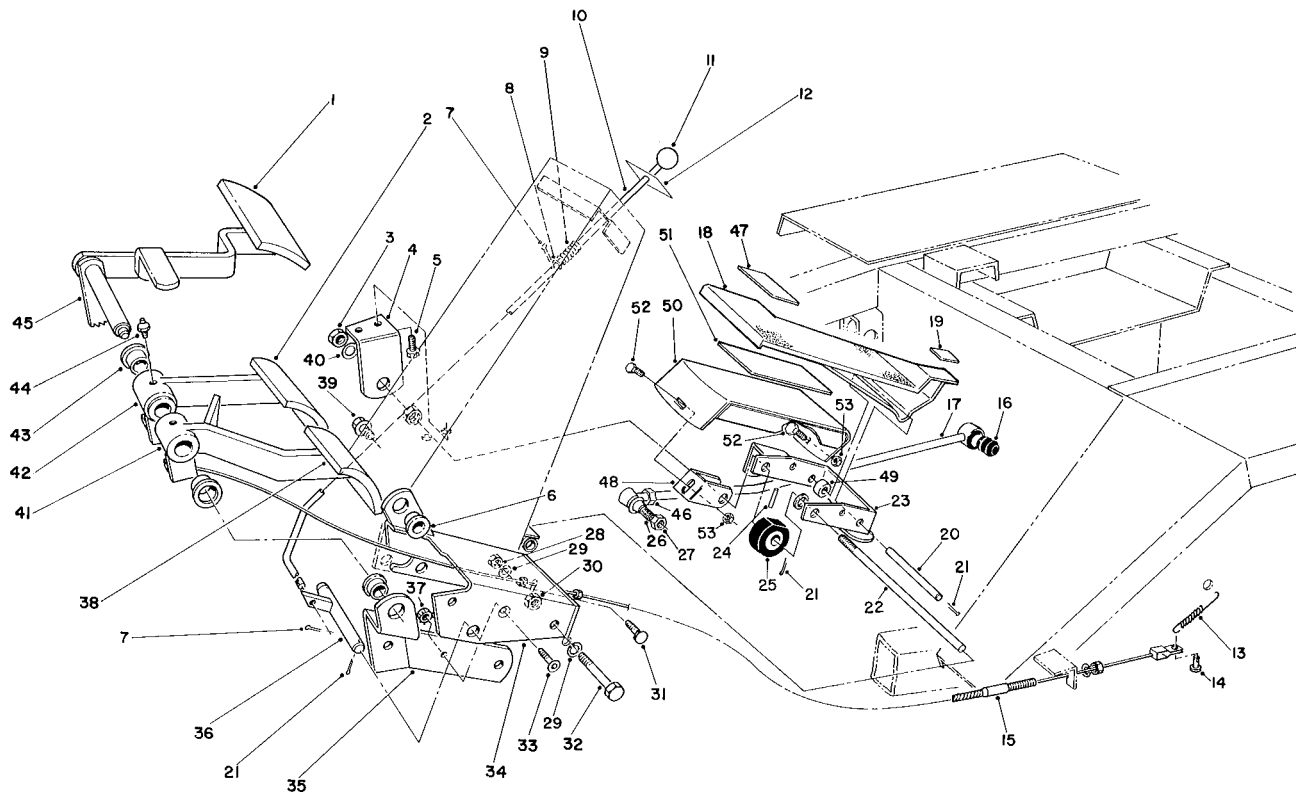
T-0415

## BRAKE PEDAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	7-3900	Pad - Brake	1
2	27-7580	Pad - Right Turn	1
3	3218-5	Nut - Jam	2
4	21-2850	Mount - R.H. Pedal	1
5	11-0590	Screw - Hex. Hd. Tapping	2
6	256-156	Bushing	5
7	3272-5	Cotter Pin	3
8	3256-22	Washer - Flat	1
9	3-3251	Spring - Compression	1
10	82-8670	Rod - Brake Latch	1
11	233-17	Knob	1
12	82-8930	Decal - Parking Brake	1
13	3-7243	Spring - Extension	2
14	283-58	Clevis Pin	2
15	21-3380	Cable - L.H. Brake	1
*	21-3370	Cable - R.H. Brake	1
16	23-2270	Bushing - Rubber	1
17	23-2240	Rod - Pump Control	1
18	88-0530	Pedal - Traction	1
19	88-1740	Pad - Pedal	1
20	88-1640	Pin - Traction Pedal	1
21	3272-6	Cotter Pin	6
22	88-1650	Shaft - Traction Pedal	1
23	88-1670	Bracket - Pivot (Inc. Ref. #6)	1
24	32121-16	Pin - Roll	1

Ref. No.	Part No.	Description	No. Used
25	28-5220	Wheel - Friction	1
26	21-0141	Socket Assembly R.H.	1
27	3220-3	Nut - Jam	1
28	3217-7	Nut - Hex	2
29	3253-21	Washer - Lock	4
30	32153-2	Nut - Lock	2
31	3231-21	Bolt - Carriage	2
32	323-13	Screw - Cap, Hex. Hd.	2
33	3274-47	Screw - Flat Hd. Socket	1
34	27-7590	Mount - Brake	1
35	27-9270	Mount - Brake Pivot Shaft	1
36	27-7640	Shaft - Brake Latch	1
37	32149-2	Nut	1
38	27-7570	Pad - Left Turn	1
39	3234-11	Screw - Cap, Hex. Hd.	3
40	3256-26	Washer - Flat	1
41	27-7490	Pedal - L.H. Brake (Incl. Ref. #43)	1
42	27-7510	Pedal - R.H. Brake (Incl. Ref. #43)	1
43	256-10	Bushing	4
44	302-5	Fitting - Grease	2
45	27-8550	Pedal - Parking Brake	1
46	3220-5	Nut - Jam	1
47	88-1730	Pad - Front Pedal	1
48	88-1680	Bracket - Footrest	1

\*Not Illustrated

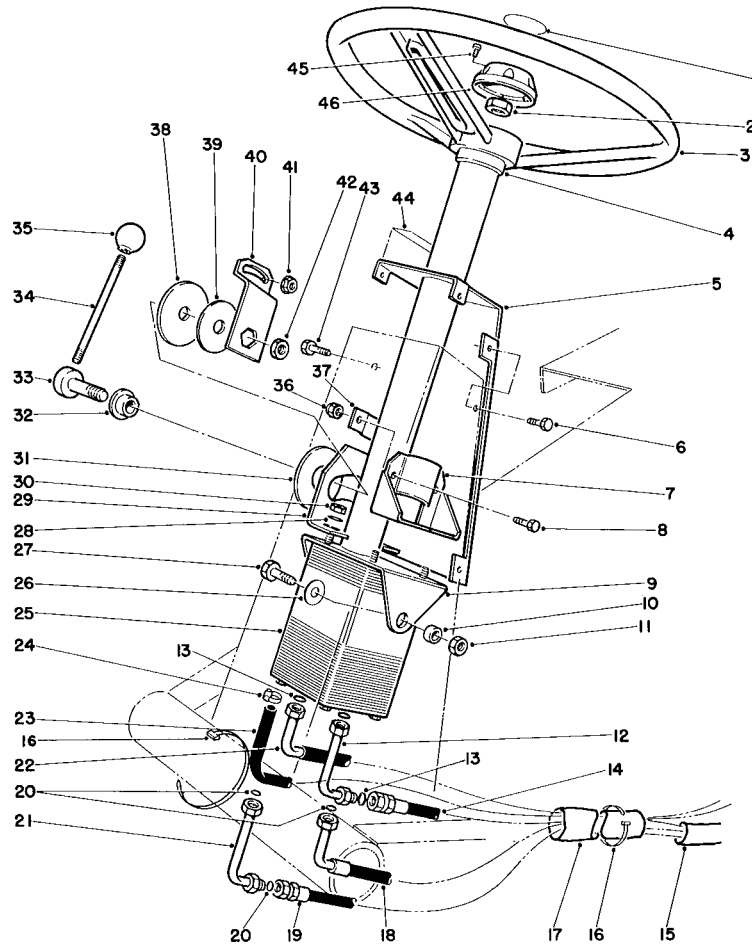


T-0415

### BRAKE PEDAL ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
49	88-0470	Tube - Pedal Spacer	1	52	3230-1	Bolt - Carriage	2
50	88-1710	Footrest	1	53	32128-25	Nut - Flange Lock	2
51	88-1720	Pad - Footrest	1				

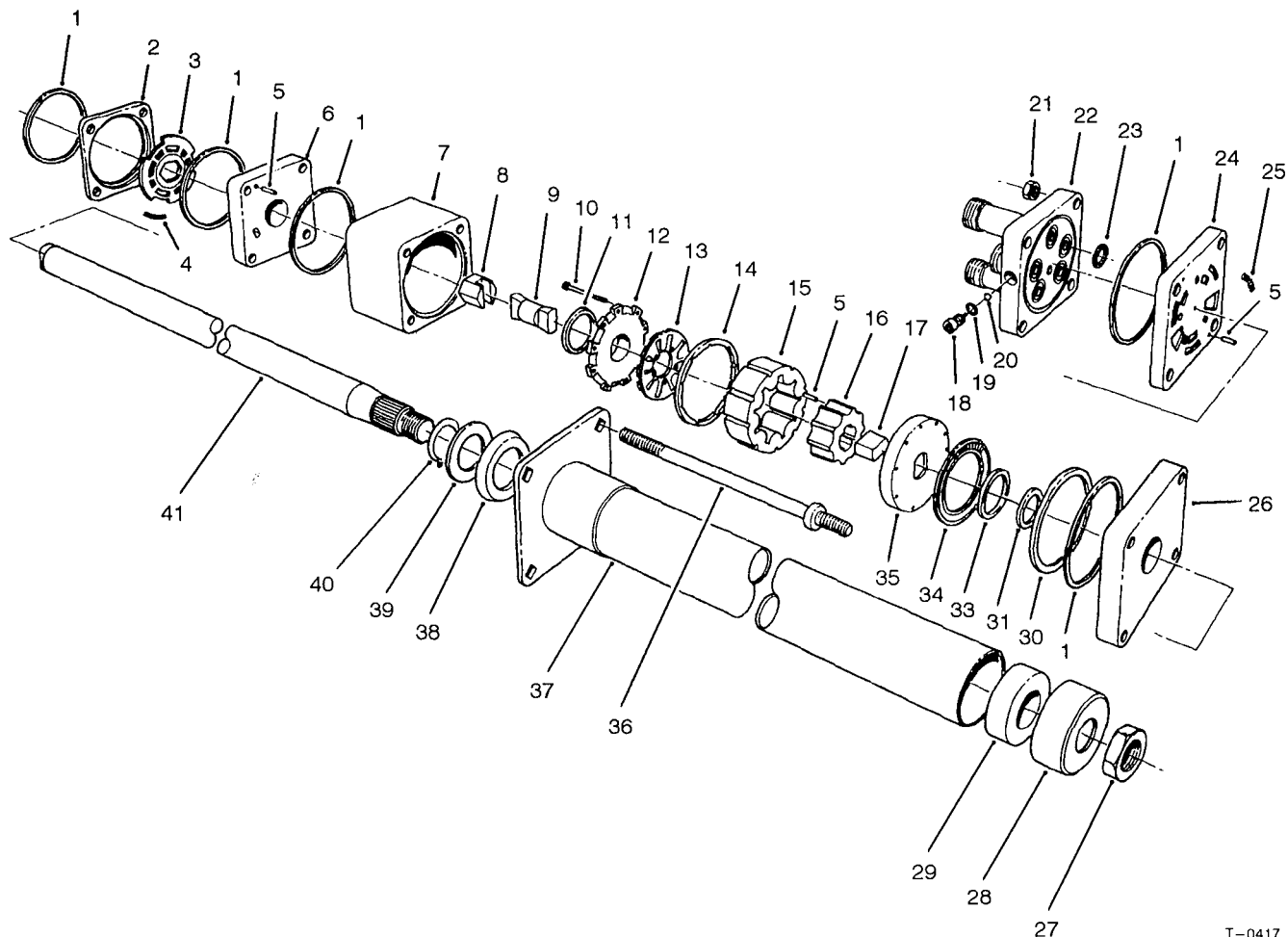
\*Not Illustrated



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 - Steering, Power	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. Hd. Self Tap	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 - Wheel, Steering	1



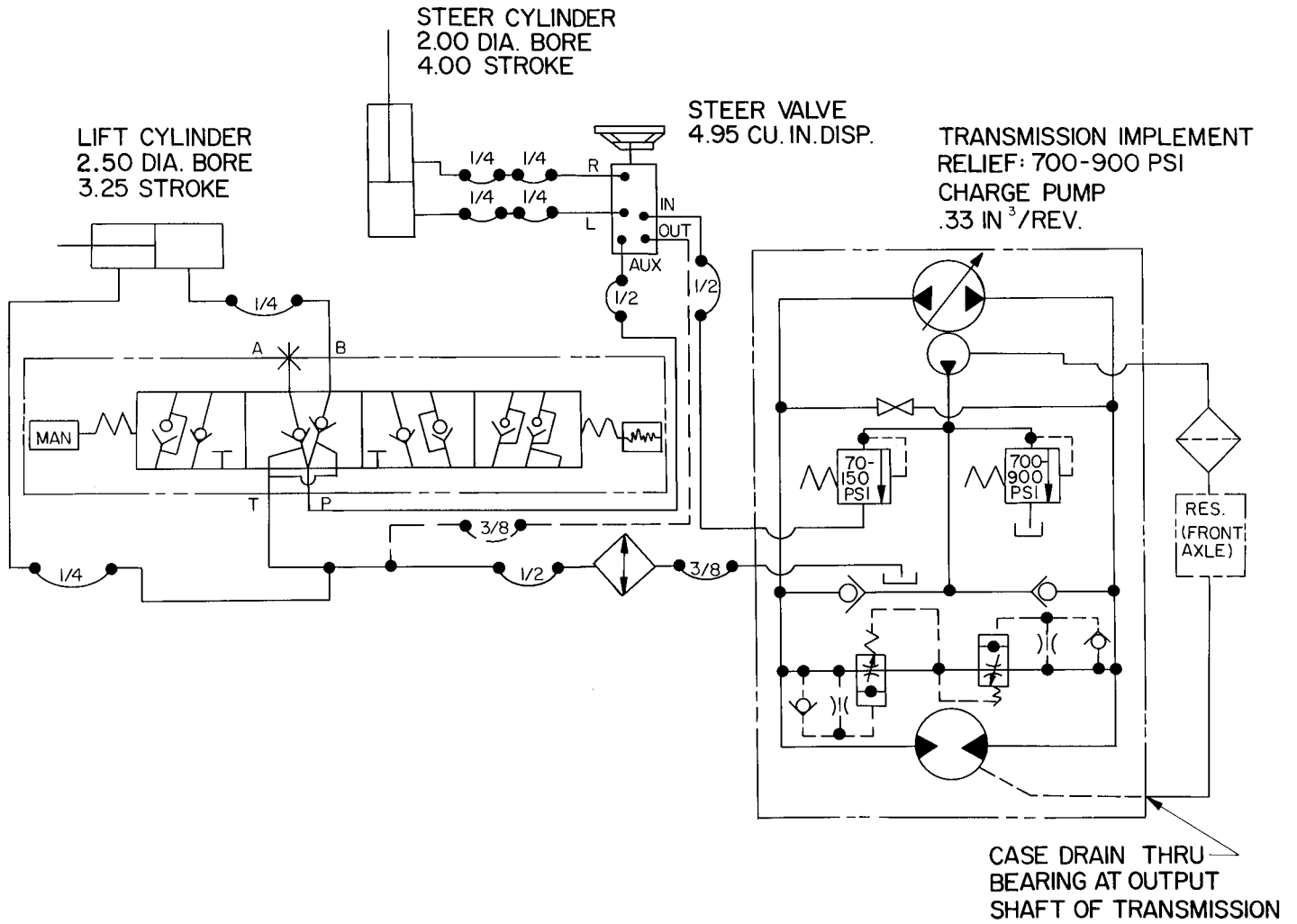
T-0417

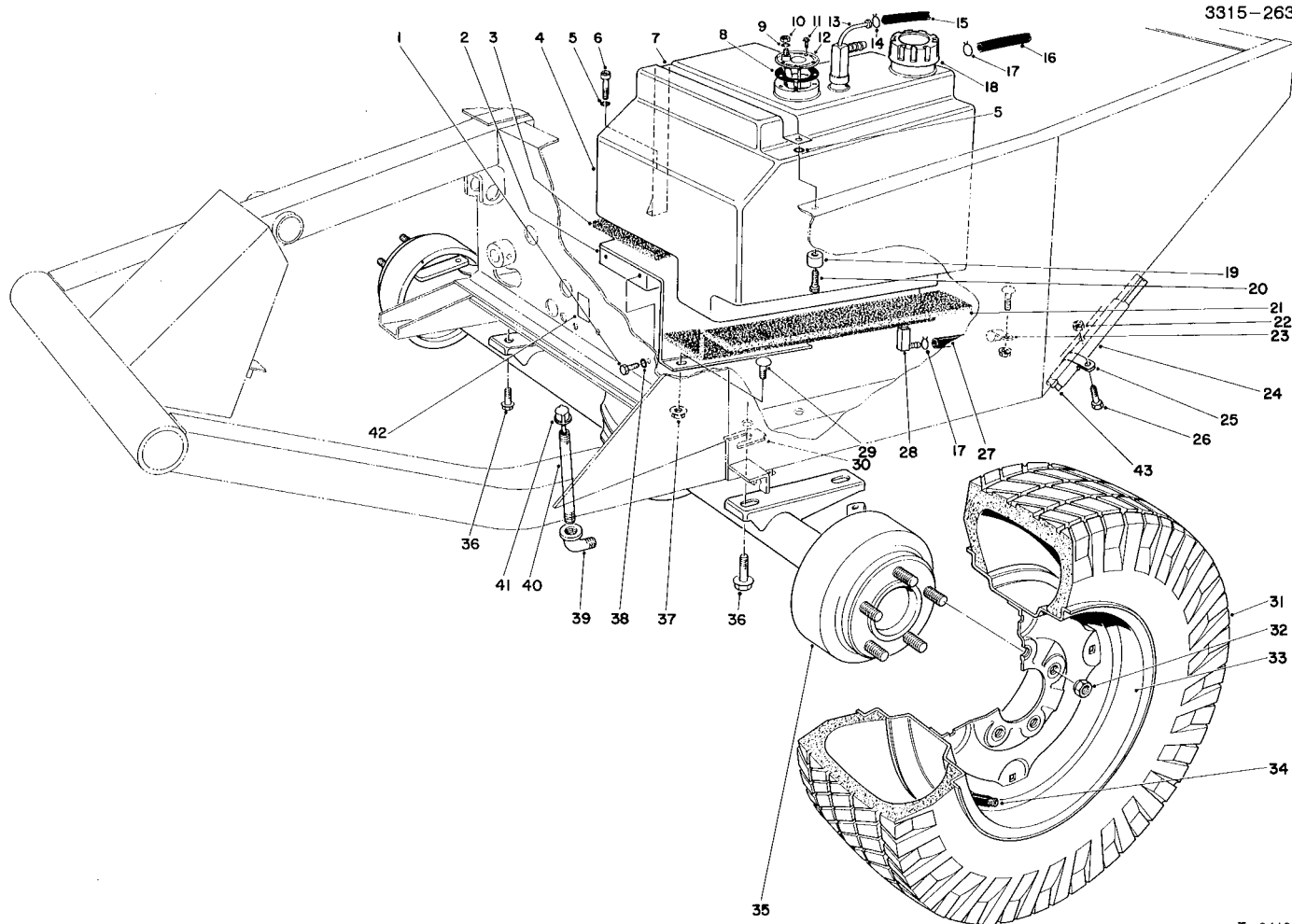
## POWER STEERING VALVE ASSEMBLY NO. 63-9250

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1		Ring - Seal	5	25		Spring	3
2		Ring - Valve	1	26		Plate - Upper Cover	1
3		Plate - Valve	1	27	3220-6	Nut	1
4		Spring	3	28	66-9770	Seal	1
5		Pin - Alignment	9	29	66-9780	Bushing	1
6		Manifold - Isolation	1	30		Spacer - Thrust Bearing	1
7		Ring - Metering	1	31		Spacer - Seal	1
8		Hex Drive Assy.	1	33		Seal-Face	1
9		Link - Drive	1	34		Bearing - Thrust	1
10		Screw - Hex. Hd. Socket	11	35		Plate - Drive	1
11		Seal - Commutator	1	36	66-9850	Bolt - Special	4
12		Cover - Commutator	1	37	66-9860	Upper Cover & Jacket	1
13		Commutator	1	38	66-9870	Plate - Retaining	1
14		Ring - Commutator	1	39	66-9880	Washer - Retaining Plate	1
15		Stator	1	40	66-9890	Ring - Retaining	1
16		Rotor	1	41	66-9900	Shaft - Input	1
17		Spacer - Drive Link	1	*	66-9970	Spring Kit (Incl. Ref. #4 & 25)	1
18		Plug	1	*	66-9980	Seal Kit (Incl. Ref. #1, 11, 19, 23 & 33)	1
19		O-Ring	1	*	66-9990	Needle Roller Kit (Incl. Ref. #5)	1
20		Ball	1				
21		Nut - Hex	4				
22		Cover - Port	1				
23		O-Ring	5				
24		Manifold - Port	1				

\*Not Illustrated

# HYDRAULIC SCHEMATIC



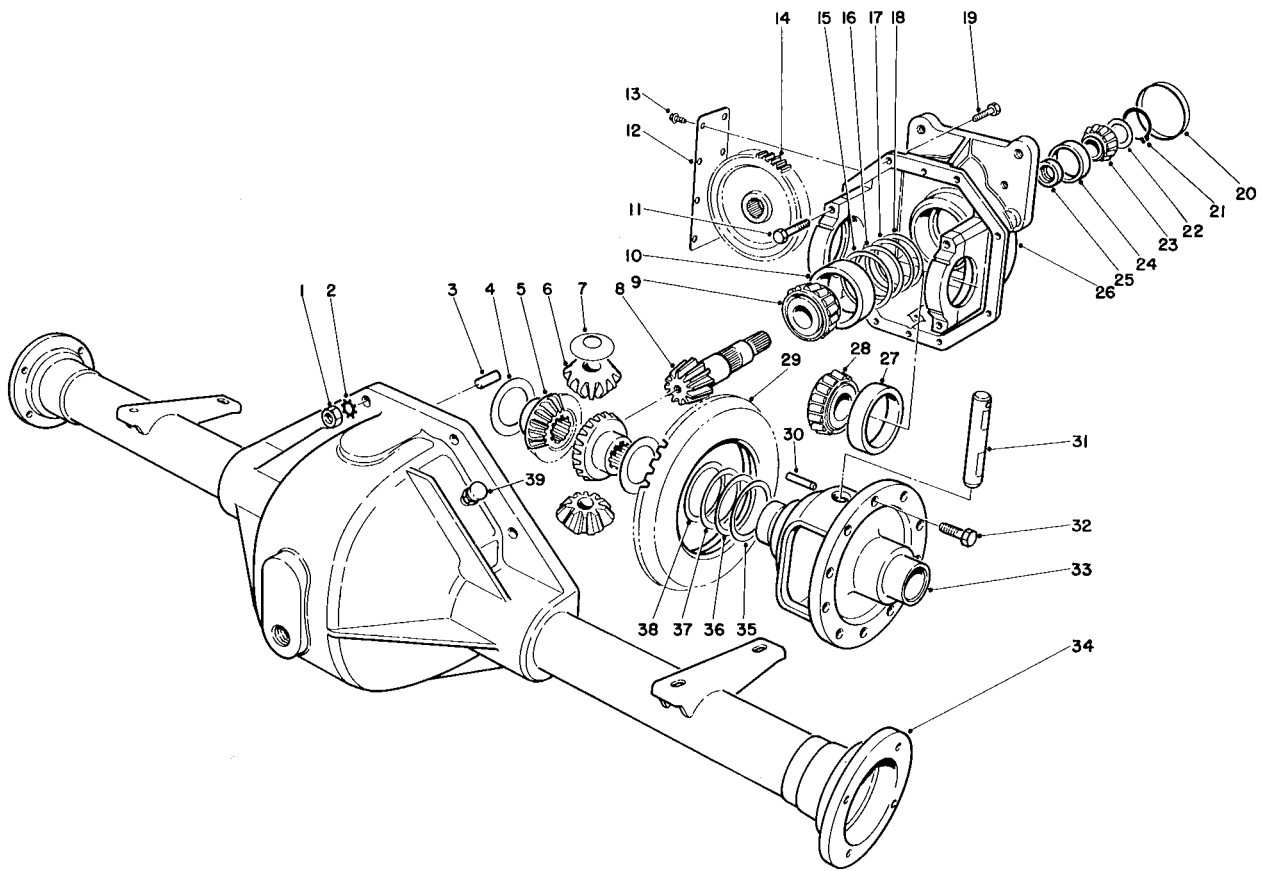


T-0419

## FRONT AXLE & FUEL TANK ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	32104-6	Screw - Self Tapping	2	27	63-9640	Hose Fuel	1
2	68-9760	Fuel Tank Base	1	28	43-4190	Fitting Assembly	1
3	21-3600	Foam - Tank Support	1	29	3230-2	Bolt - Carriage	3
4	43-4150	Fuel Tank (Incl. Ref. #13 & 14)	1	30	42-6080	Shim - Axle	A/R
5	3253-3	Washer - Lock	2	31	231-101	Tire	2
6	32104-96	Screw - Cap, Hex. Hd.	1	*	231-95	Tire - 23x10.5x12 (Optional)	2
7	37-9550	Strap - Fuel Tank	1	32	23-7270	Nut - Wheel	10
8	62-7650	Gasket	1	33	217-117	Rim	2
9	3253-17	Washer - Lock	1	*	217-116	Rim - 23x10.5x12 (Optional)	2
10	3219-14	Nut	1	34	232-31	Valve Stem w/Cap	2
11	32144-53	Screw - Thread Forming	5	*	232-27	Valve Stem (For 23x10.5x12 Rim Opt.)	1
12	62-6840	Sender - Fuel Level	1	35	86-9600	Differential Assembly	1
13	43-4160	Fitting - Return & Vent	1	36	32144-67	Screw - Hex. Hd. Self Tap	4
14	2412-79	Clamp	1	37	32128-20	Nut - Flange	3
15	43-4230	Hose Return	1	38	3253-21	Washer - Lock	2
16	43-5690	Hose - Vent, Fuel Tank	1	39	2811-9	Street Elbow	1
17	2412-6	Clamp	2	40	289-37	Pipe Nipple	1
18	55-3572	Fuel Cap	1	41	23-5180	Dipstick	1
19	22-7810	Spacer	1	42	53-4430	Decal - Oil	1
20	321-6	Screw - Cap, Hex. Hd.	1	43	68-9710	Hose - Steering Cylinder	2
21	21-3610	Foam - Tank Support	1	*	231-90	Tube - Inner	2
22	3296-20	Nut - Lock	2	*	62-7020	23x10.5x12 Tire Assembly (Optional)	2
23	2412-4	Clamp	1				
24	56-7980	Sleeve - Protective	1				
25	2412-39	R-Clamp	2				
26	322-3	Screw - Cap, Hex. Hd.	2				

\*Not Illustrated



T-0919

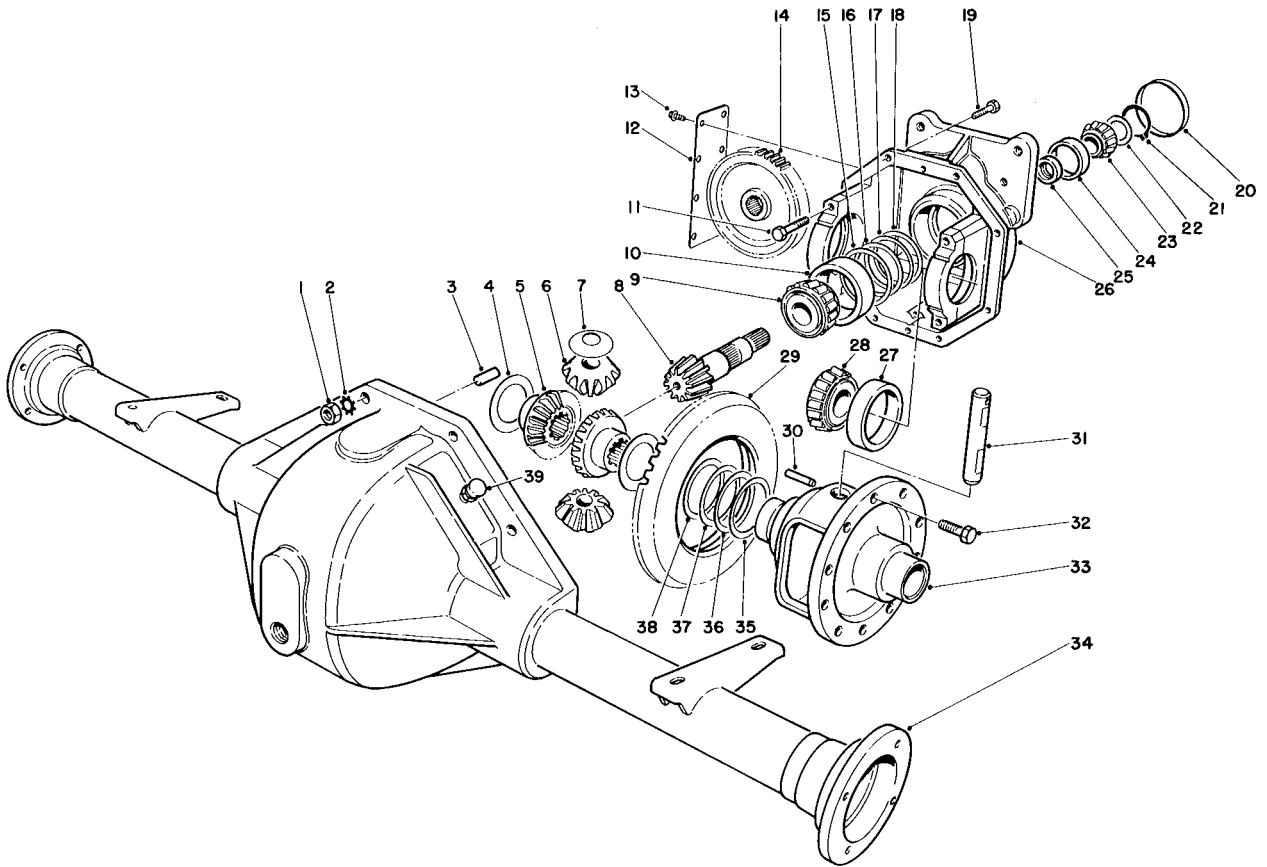
## DIFFERENTIAL ASSEMBLY NO. 86-9600

Ref. No.	Part No.	Description	No. Used
1	3219-2	Nut	8
2	3255-8	Washer - Lock	8
3	21-8270	Dowel Pin	2
4	21-7720	Thrust Washer	2
5	24-8790	Differential Bevel Gear Side	2
6	21-7690	Pinion Gear	2
7	21-7730	Thrust Washer	2
8		Drive Pinion (Incl. Ref. #29)	1
9	43-6760	Roller Bearing Cone	1
10	43-6750	Roller Bearing Cup	1
11	324-23	Screw - Cap, Hex. Hd.	4
12	21-7830	Gear Cover	1
13	12-5450	Thread Forming Screw	8
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

Ref. No.	Part No.	Description	No. Used
*22	46-2212	Shim - Front Pinion Bearing (.035)	A/R
*	46-2213	Shim - Front Pinion Bearing (.037)	A/R
*	46-2214	Shim - Front Pinion Bearing (.039)	A/R
*	46-2215	Shim - Front Pinion Bearing (.041)	A/R/
*	46-2216	Shim - Front Pinion Bearing (.043)	A/R
*	46-2220	Shim - Front Pinion Bearing (.045)	A/R
*	46-2221	Shim - Front Pinion Bearing (.047)	A/R
*	46-2222	Shim - Front Pinion Bearing (.049)	A/R
*	46-2223	Shim - Front Pinion Bearing (.051)	A/R
*	46-2224	Shim - Front Pinion Bearing (.053)	A/R
*	46-2225	Shim - Front Pinion Bearing (.055)	A/R
*	46-2226	Shim - Front Pinion Bearing (.057)	A/R
*	46-2410	Shim - Front Pinion Bearing (.062)	A/R

\*Not Illustrated





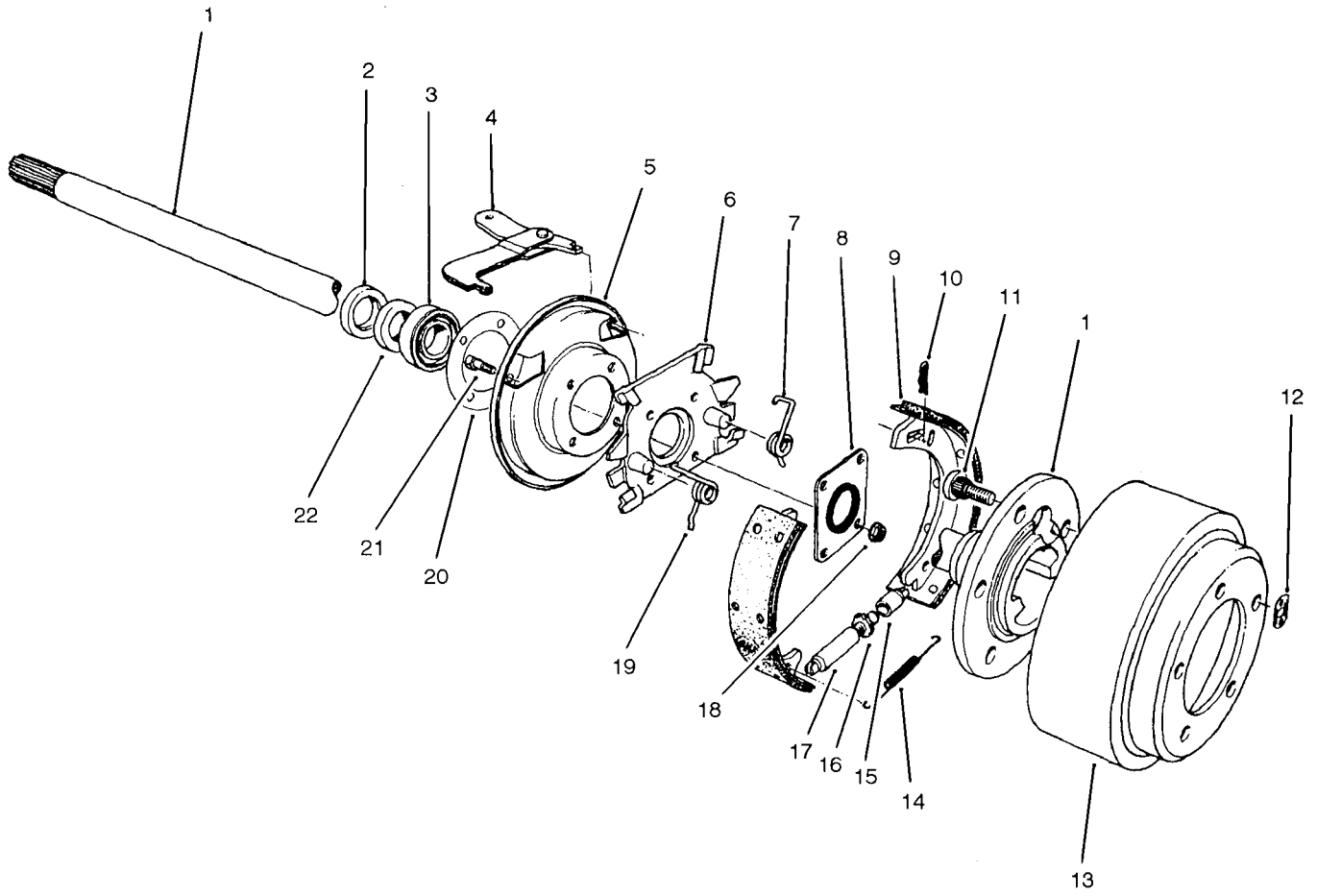
T-0919

## 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

\*Not Illustrated

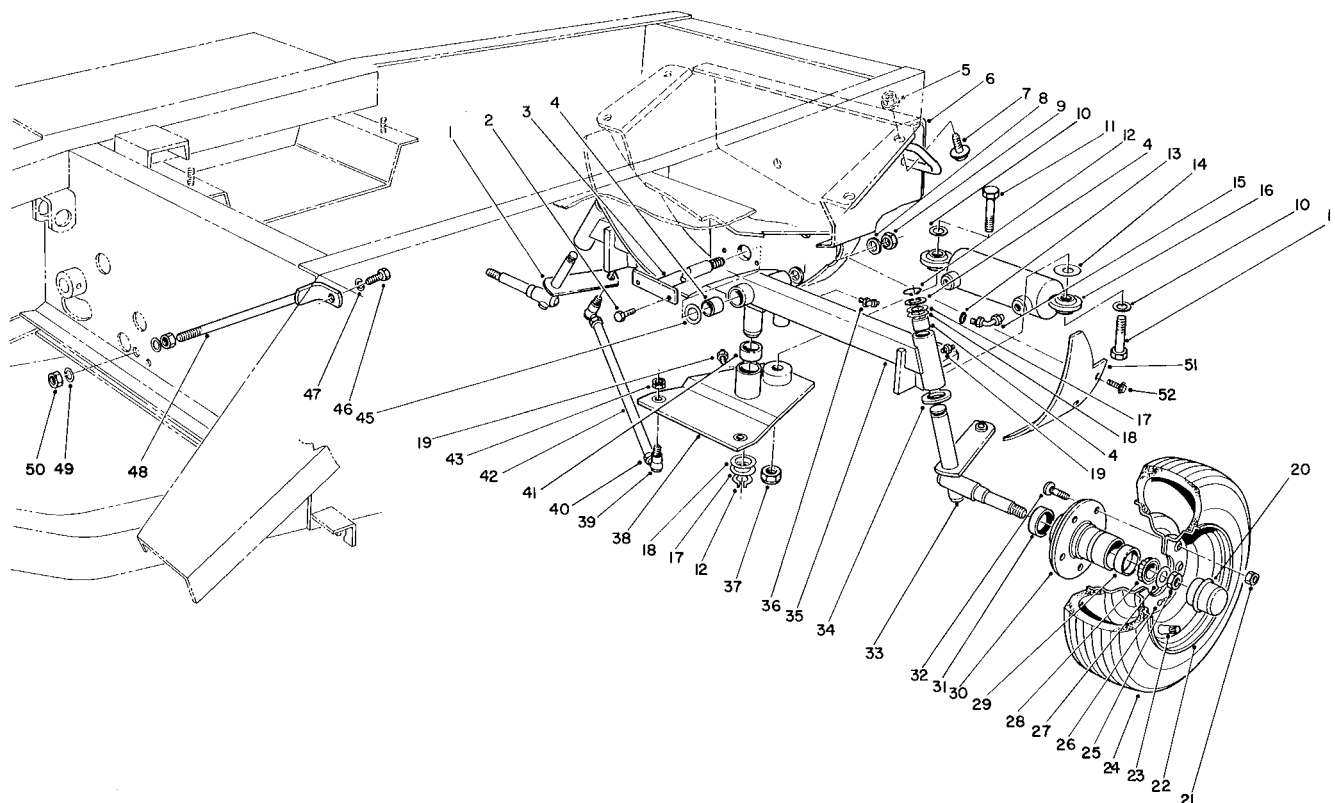


T-0421

## BRAKE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	28-0650	Flanged Axle Shaft	2
2	21-8330	Oil Seal	2
3	21-8180	Bearing	2
4	24-9180	Strut & Lever Parking Brake	2
5	21-9450	Dust Shield	2
6	43-6810	Torque - Spider	2
7	21-9430	Spring - Shoe Return R.H.	2
8	28-0670	Oil Seal	2
9	84-8600	Shoe & Lining Assembly (Set of 4)	1
10	21-9460	Retainer - Brake Lever	4
11	242-34	Axle Flange Stud	10

Ref. No.	Part No.	Description	No. Used
12	21-8360	Clip - Retaining	2
13	28-0680	Brake Drum	2
14	21-9440	Spring - Adjusting Screw	2
15	21-9390	Socket - Adjusting Screw	2
16	21-9370	Screw - Adjusting	2
17	21-9380	Nut - Pivot	2
18	43-6800	Nut - Lock	8
19	21-9420	Spring - Shoe Return L.H.	2
20	21-8320	Gasket - Wheel Bearing	2
21	24-8840	Ring - Wheel Bearing	2
22	28-0660	Screw - Cap, Hex. Hd.	8

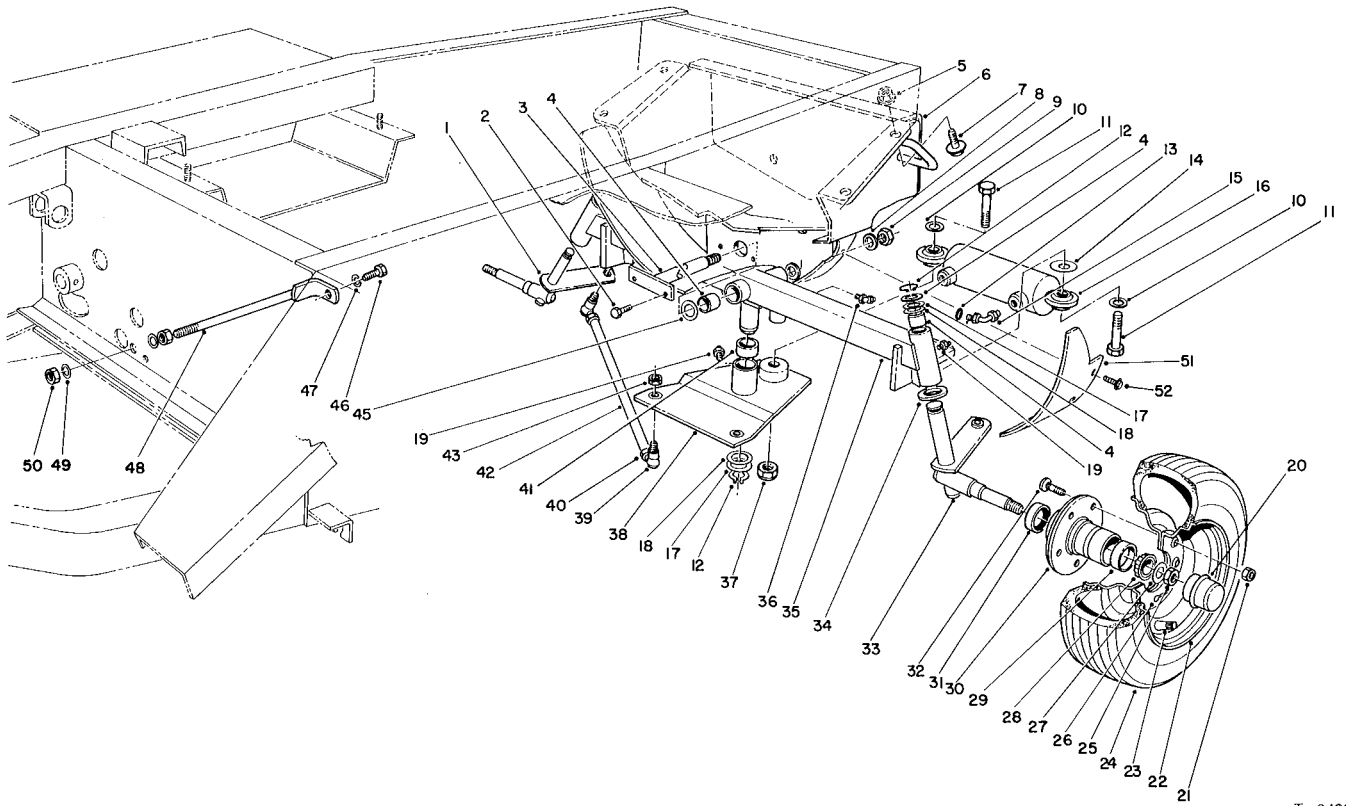


T-0422

## REAR AXLE & WHEEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	63-9180	Spindle Assembly R.H.	1	27	3256-28	Washer - Flat	2
2	3234-14	Screw - Cap, Hex Hd.	2	28	254-94	Cone - Bearing	4
3	67-8170	Pin - Rear Axle	1	29	254-72	Cup - Bearing	4
4	67-1750	Bushing	6	30	21-2820	Hub Wheel (Incl. Ref. #29 & 32)	2
5	32128-23	Nut - Lock, Flange	4	31	253-129	Closure	2
6	67-8130	Support - Axle	1	32	10-6830	Stud - Drive	10
7	3234-32	Screw - Cap, Hex Flange	4	33	63-9170	Spindle Assembly L.H.	1
8	71-4540	Washer - Thrust	A/R	34	256-121	Bushing - Thrust	2
9	32146-20	Nut - Lock	1	35	67-9160	Axle - Rear (Incl. Ref. #4)	1
10	67-9410	Washer - Flat	2	36	302-11	Fitting - Grease	1
11	328-25	Screw - Cap, Hex Hd.	2	37	32128-45	Nut - Lock	2
12	32151-36	Ring - Retaining	3	38	63-9220	Steering Pivot (Incl. Ref. #41)	1
13	237-22	O-Ring	2	39	21-0141	Socket Assembly R.H. Thd.	2
14	67-7250	Spacer - Ring	1	*	21-0151	Socket Assembly L.H. Thd.	2
15	340-54	Fitting 45°	2	40	3220-5	Nut - Jam, R.H. Thd.	2
16	63-9240	Cylinder - Hydraulic	1	*	3220-12	Nut - Jam, L.H. Thd.	2
17	5-1226	Washer	3	41	256-242	Bushing	2
18	10-8110	Washer - Thrust	A/R	42	21-2000	Tie Rod	2
19	302-5	Fitting - Grease	3	43	3220-3	Nut - Jam	8
20	241-119	Dust Cap	2	45	56-2460	Washer	A/R
21	242-50	Nut - Wheel	10	46	323-6	Screw - Cap, Hex Hd.	1
22	217-106	Wheel	2	47	3253-21	Washer - Lock	1
23	232-31	Valve Stem w/Cap	2	48	24-9830	Support Axle	1
24	231-105	Tire	2				
25	32136-5	Nut - Slotted	2				
26	3272-13	Pin - Cotter	2				

\*Not Illustrated

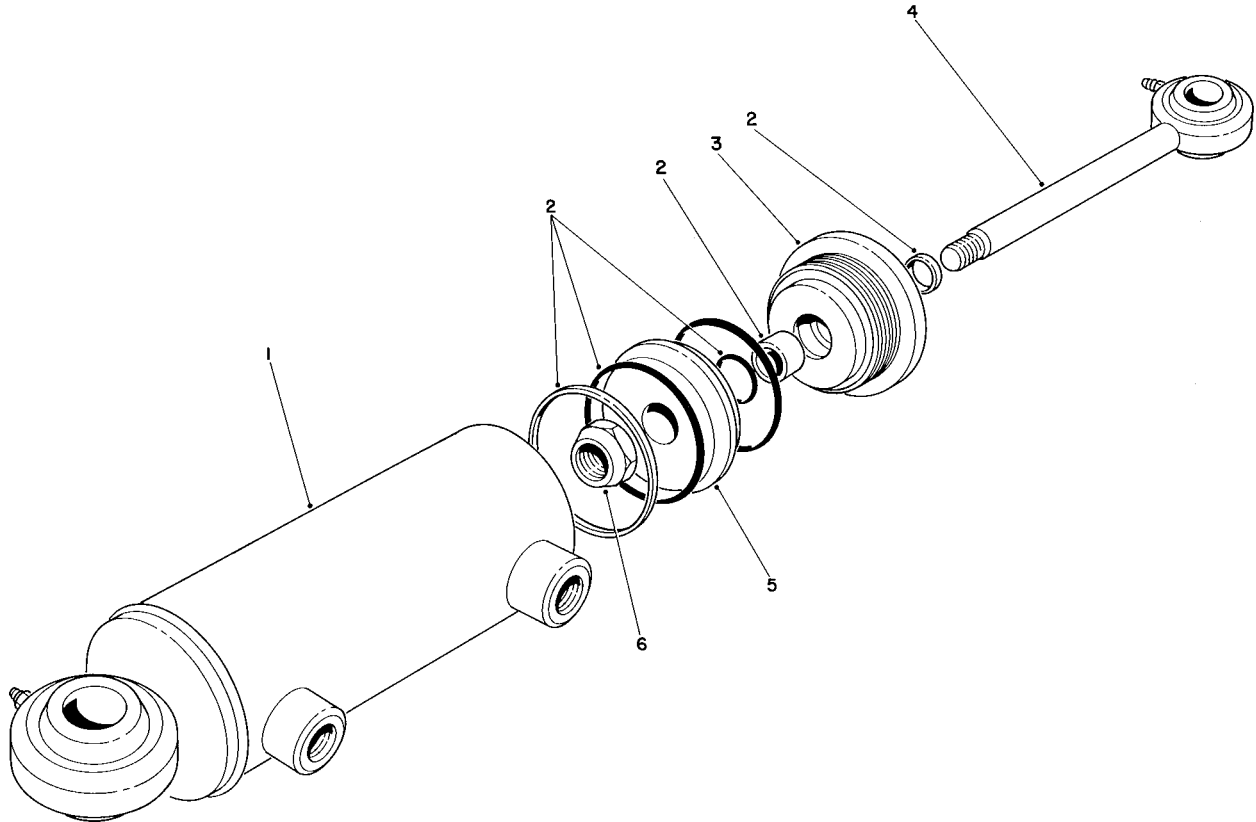


T-0422

## REAR AXLE & WHEEL ASSEMBLY (Continued)

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

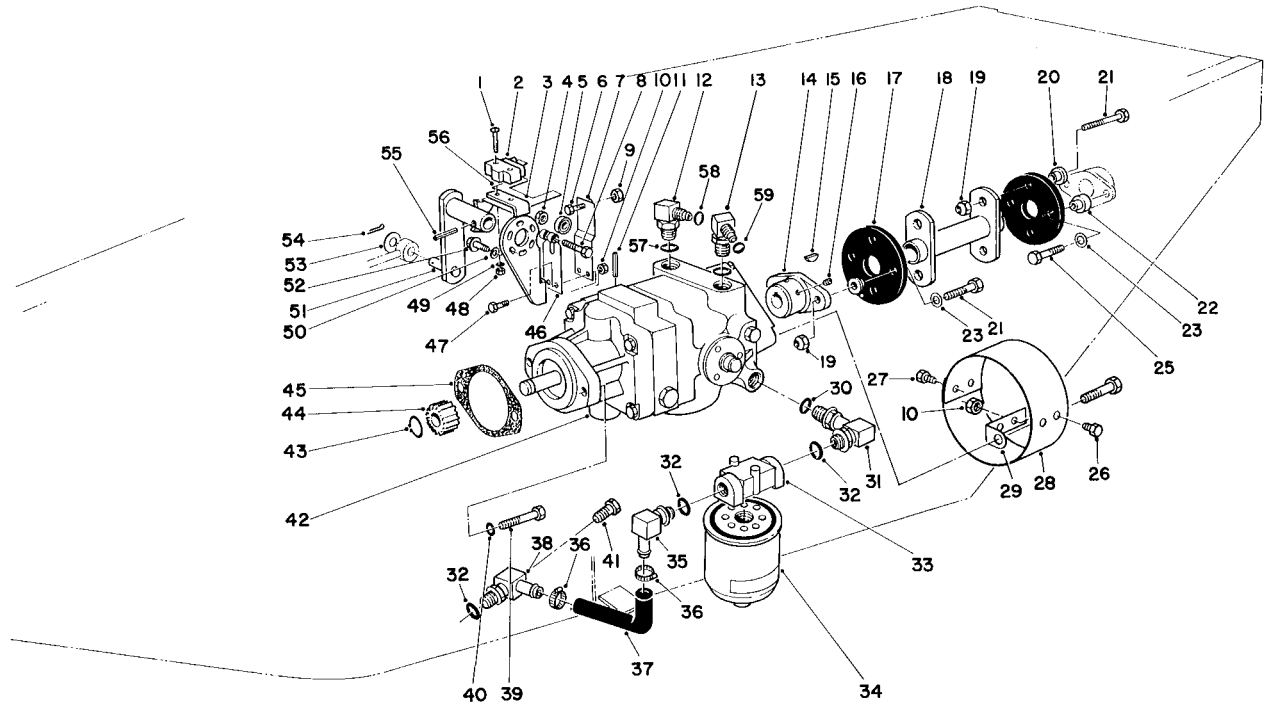
Ref. No.	Part No.	Description	No. Used
51	71-4850	Cover Flywheel Guard	1
52	32144-10	Screw - Cap,Thd. Forming	2



T-0423

## HYDRAULIC STEERING CYLINDER ASSEMBLY NO. 63-9240

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1		Tube Assembly	1	5	66-1940	Piston	1
2	66-1960	Seal Kit	1	6	66-1930	Nut - Lock	1
3	66-1950	Gland	1				
4	66-1910	Piston Rod Assembly	1				

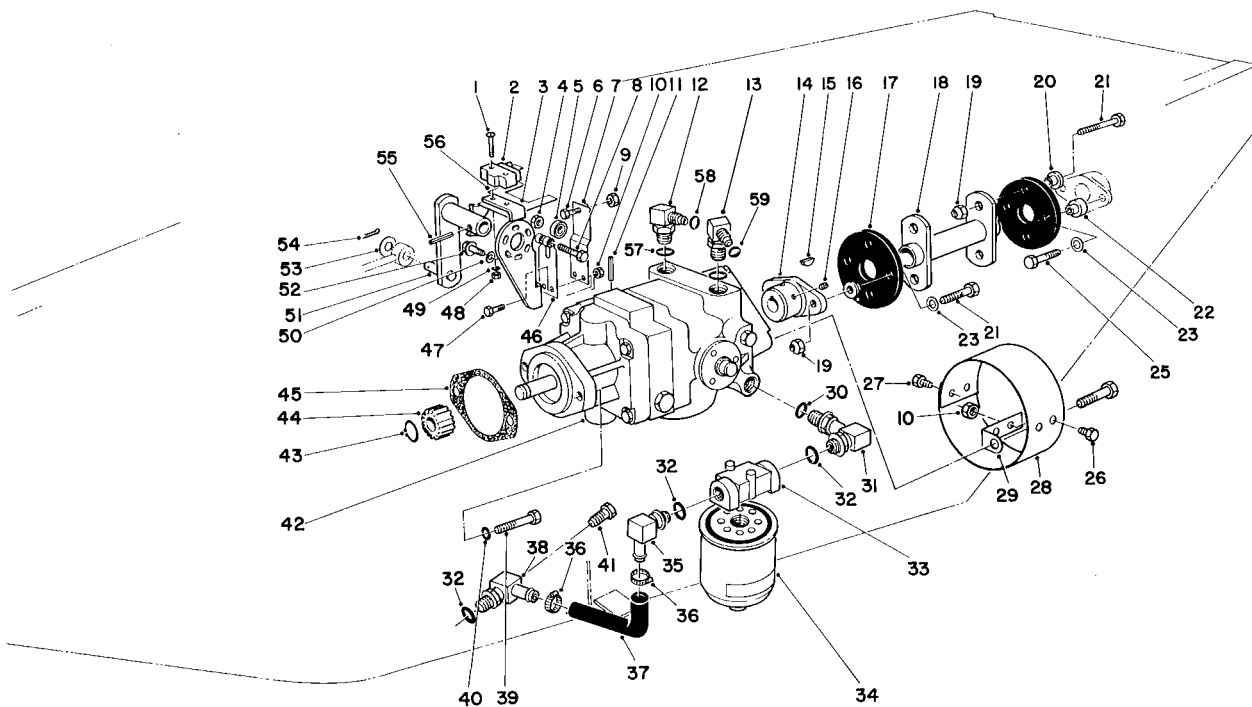


T-0424

## 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	1
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

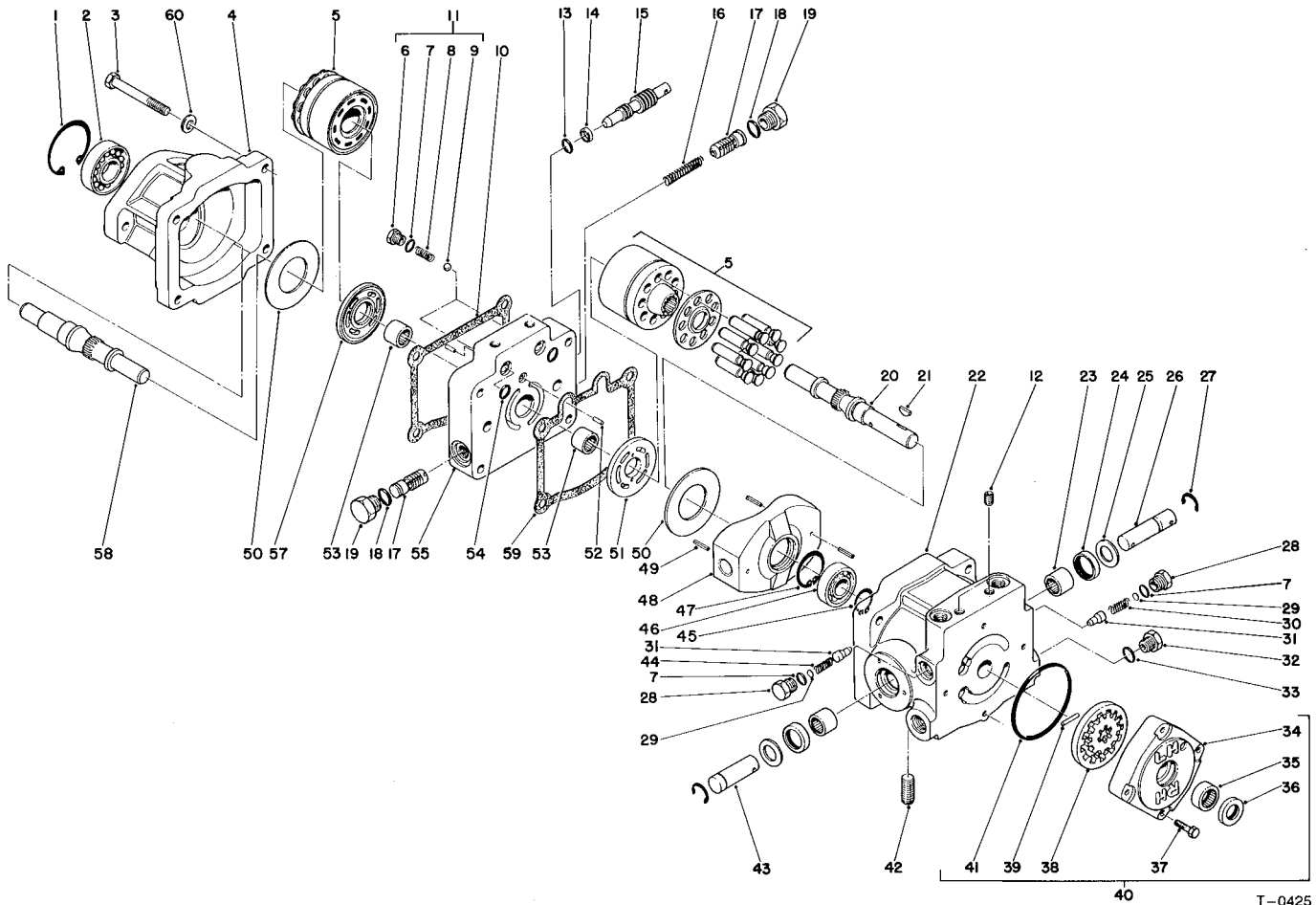


T-0424

## 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



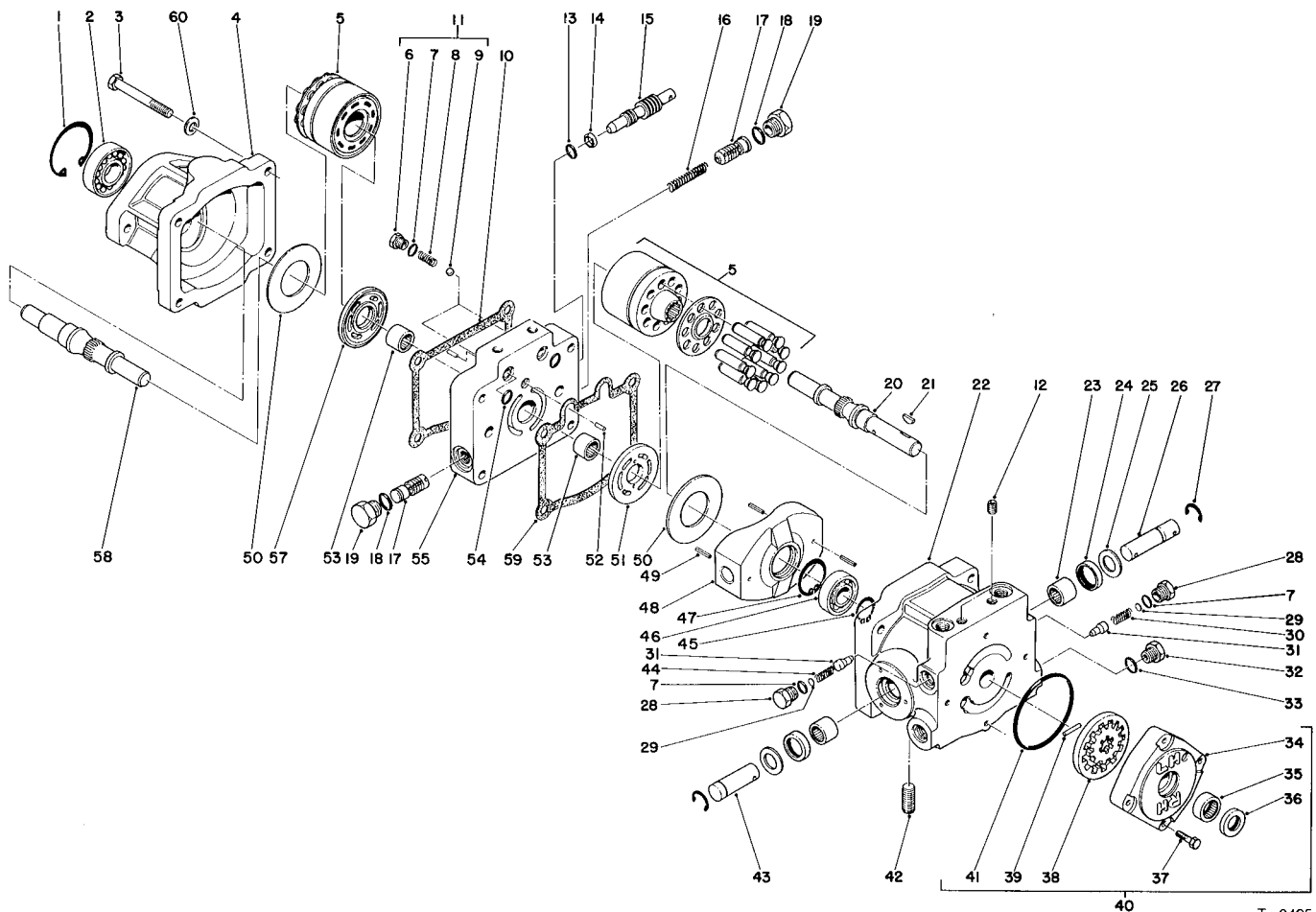
T-0425

## TRANSMISSION ASSEMBLY NO. 71-4370

Ref. No.	Part No.	Description	No. Used
1	32120-8	Retaining Ring	1
2	72-3750	Ball Bearing	1
3	323-13	Screw - Cap, Hex. Hd.	4
4	67-9080	Motor Housing	1
5	48-1800	Cylinder Block Kit	2
6	25-2650	Check Valve Plug	2
7	237-86	O-Ring	4
8	25-2640	Valve Spring	2
9	25-2490	Ball	2
10	67-9100	Gasket	1
11	25-3180	Check Valve Kit (Incl. Ref. #6-9)	2
12	285-17	Pipe Plug	6
13	237-22	O-Ring	1
14	25-2630	Back-Up Ring	1
15	25-2620	By-Pass Valve	1
16	25-2610	Accel. Valve Spring	1
17	25-2410	Accel. Valve Assembly	2
18	76-1900	O-Ring	2
19	353-550	Plug - Hex. Hd.	2
20	75-9560	Pump Shaft	1
21	3257-32	Woodruff Key	1
22	54-7890	Pump Housing (Incl. Ref. #12 & 23-25)	1
23	252-82	Needle Bearing	2
24	25-3210	Lip Seal	2

Ref. No.	Part No.	Description	No. Used
25	25-2510	Washer - Flat	2
26	25-2580	Trunion Shaft	1
27	32151-46	Retaining Ring	2
28	25-2460	Plug - Hex. Hd.	2
29	25-2470	Shim Pack	2
30	25-2570	Valve Spring	1
31	83-7260	Relief Valve Cone	2
32	353-551	Plug - Hex. Hd.	1
33	237-80	O-Ring	1
34	25-2550	Charge Pump Housing	1
35	67-8050	Needle Bearing	1
36	67-8060	Lip Seal	1
37	322-4	Screw - Cap, Hex. Hd.	4
38	25-2680	Gerotor Assembly	1
39	25-2530	Headless Straight Pin	1
40	25-3190	Charge Pump (Incl. Ref. #34-39 & 41)	1
41	237-95	O-Ring	1
42	67-9090	Plug	1
43	25-2500	Trunion Shaft	1
44	25-2480	Valve Spring	1
45	32120-15	Retaining Ring	1
46	251-8	Ball Bearing	1
47	32120-11	Retaining Ring	1
48	25-2450	Variable Swashplate	1
49	32121-91	Pin - Coil Spring	3



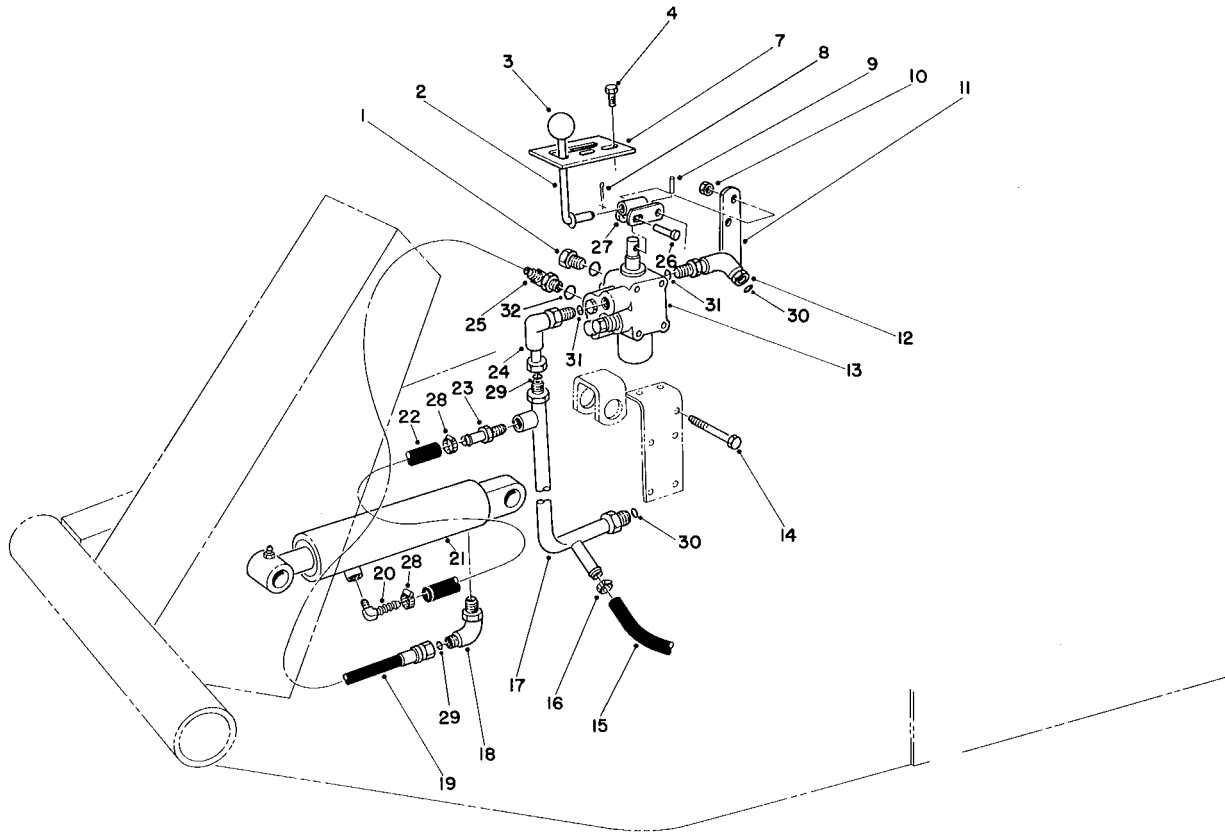


T-0425

### 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



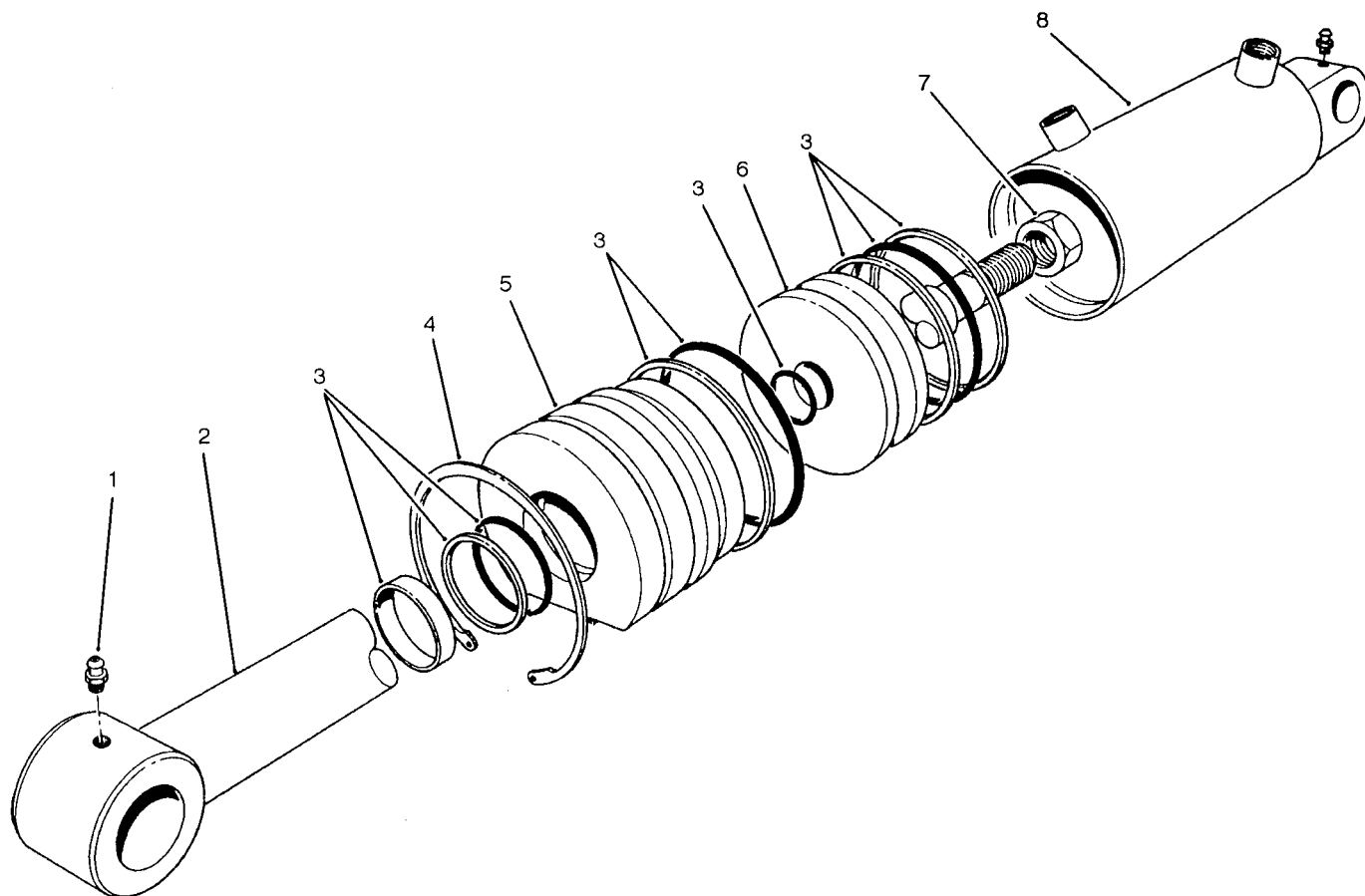
T-0426

## VALVE & CYLINDER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	353-512	Plug	1
2	21-8620	Lever Valve	1
3	233-21	Knob	1
4	32144-10	Screw - Self Tapping	2
7	21-8640	Latch Valve Lever	1
8	3272-6	Cotter Pin	1
9	32121-73	Pin - Slotted Spring	1
10	3296-42	Nut - Lock	5
11	21-9010	Pivot Mount - Valve Lever	1
12	340-99	Fitting - 90° Elbow	1
13	43-1710	Valve Assembly	1
14	321-23	Screw - Cap, Hex. Hd.	5
15	63-8990	Hose	1
16	2412-36	Clamp Hose	1
17	63-9260	Manifold - Valve	1
18	340-112	Elbow - 90°	1

Ref. No.	Part No.	Description	No. Used
19	71-3580	Hose - (Valve to Cylinder)	1
20	304-75	Fitting - 90° Barb	1
21	62-4250	Cylinder - Hydraulic	1
*	66-1250	Cylinder - Hydraulic (Optional)	1
22	65-2970	Line - Gas	1
23	304-73	Fitting - Straight Barb	1
24	340-110	Elbow - 90°	1
25	340-97	Fitting - 90°	1
26	283-17	Pin	1
27	21-8590	Link - Valve Lever	1
28	2412-108	Clamp - Hose	2
29	237-22	O-Ring	2
30	237-30	O-Ring	2
31	237-42	O-Ring	2
32	237-78	O-Ring	2

\*Not Illustrated

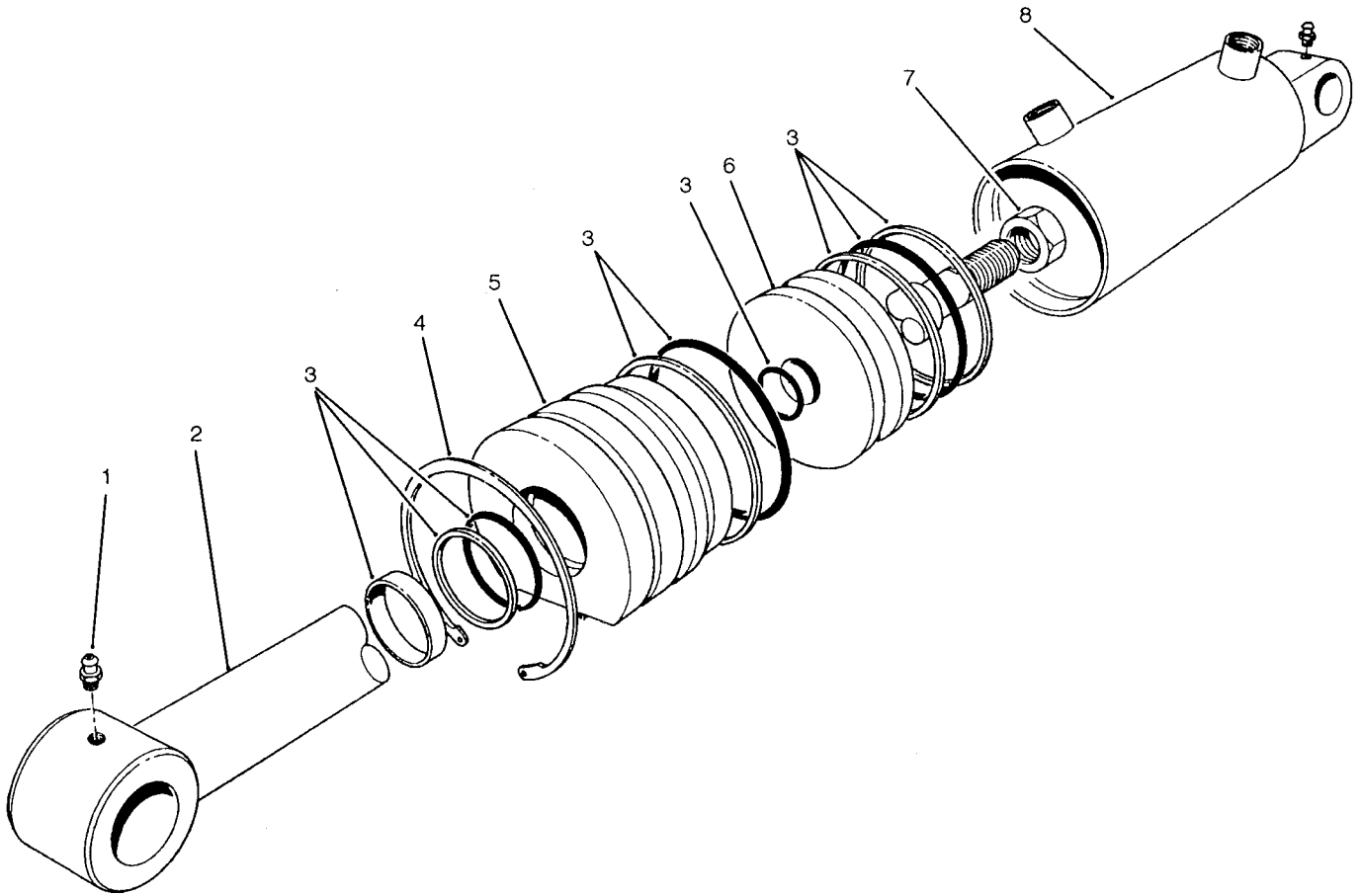


T-0527

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

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	302-55	Fitting - Grease	2	5	60-9780	Head	1
2	61-4980	Shaft - w/Clevis	1	6	60-9770	Piston	1
3	61-4960	Repair Kit	1	7	60-9760	Nut	1
4	61-4990	Ring - Retaining	1	*8		Barrel	1

\*Not available separately.



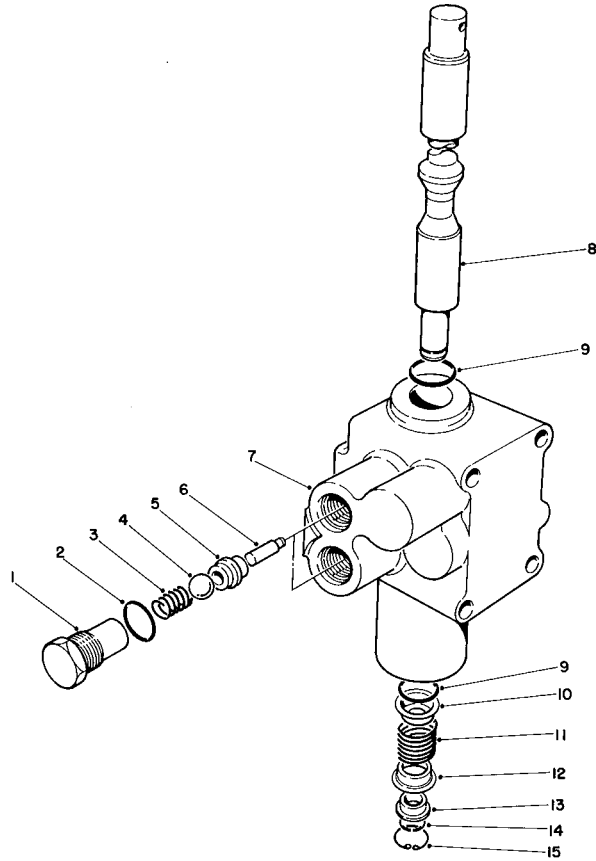
T-0527

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

Ref. No.	Part No.	Description	No. Used
1	302-55	Grease Fitting	2
2	67-5480	Shaft	1
3	67-5500	Repair Kit	1
4	67-5470	Ring - Retaining	1

Ref. No.	Part No.	Description	No. Used
5	67-5460	Head	1
6	67-5450	Piston	1
7	60-9760	Nut - Hex	1
*8		Barrel	1

\*Not available separately.

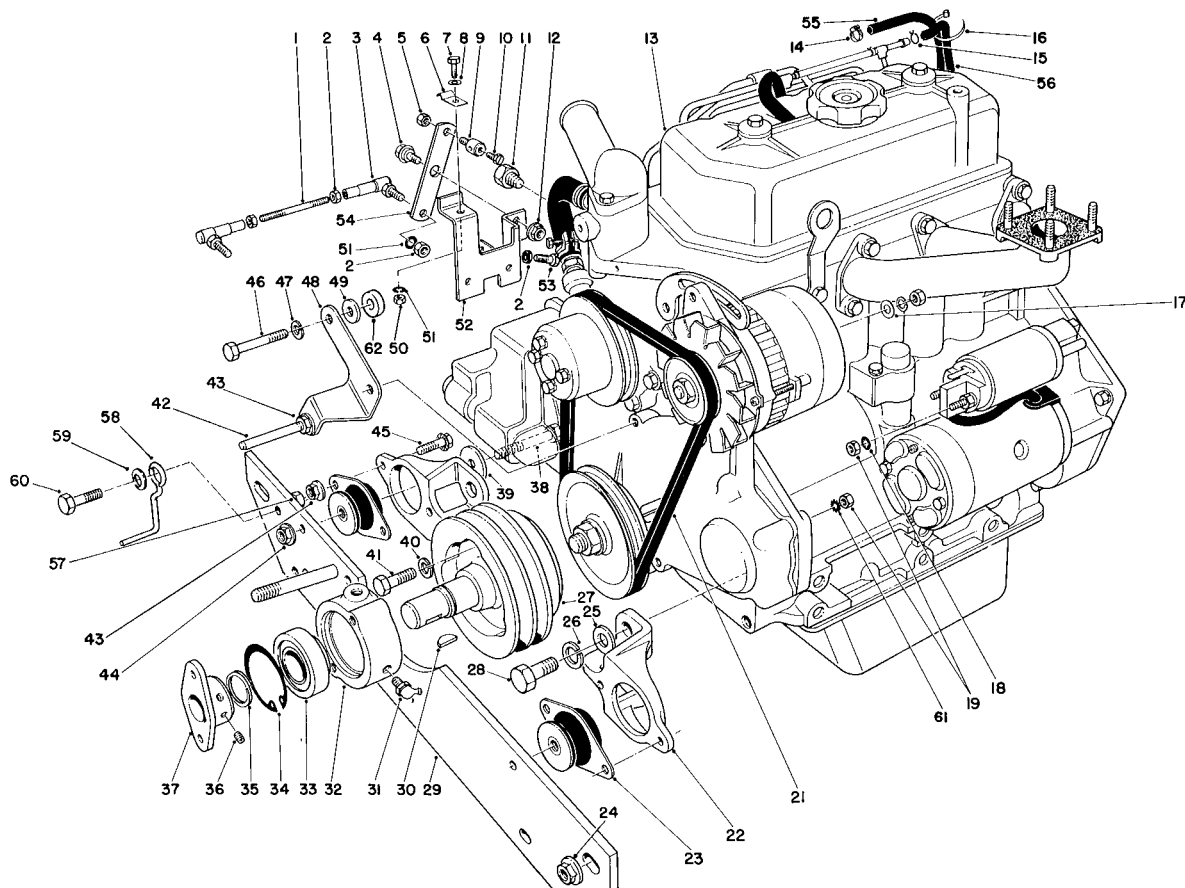


T-0428

## 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

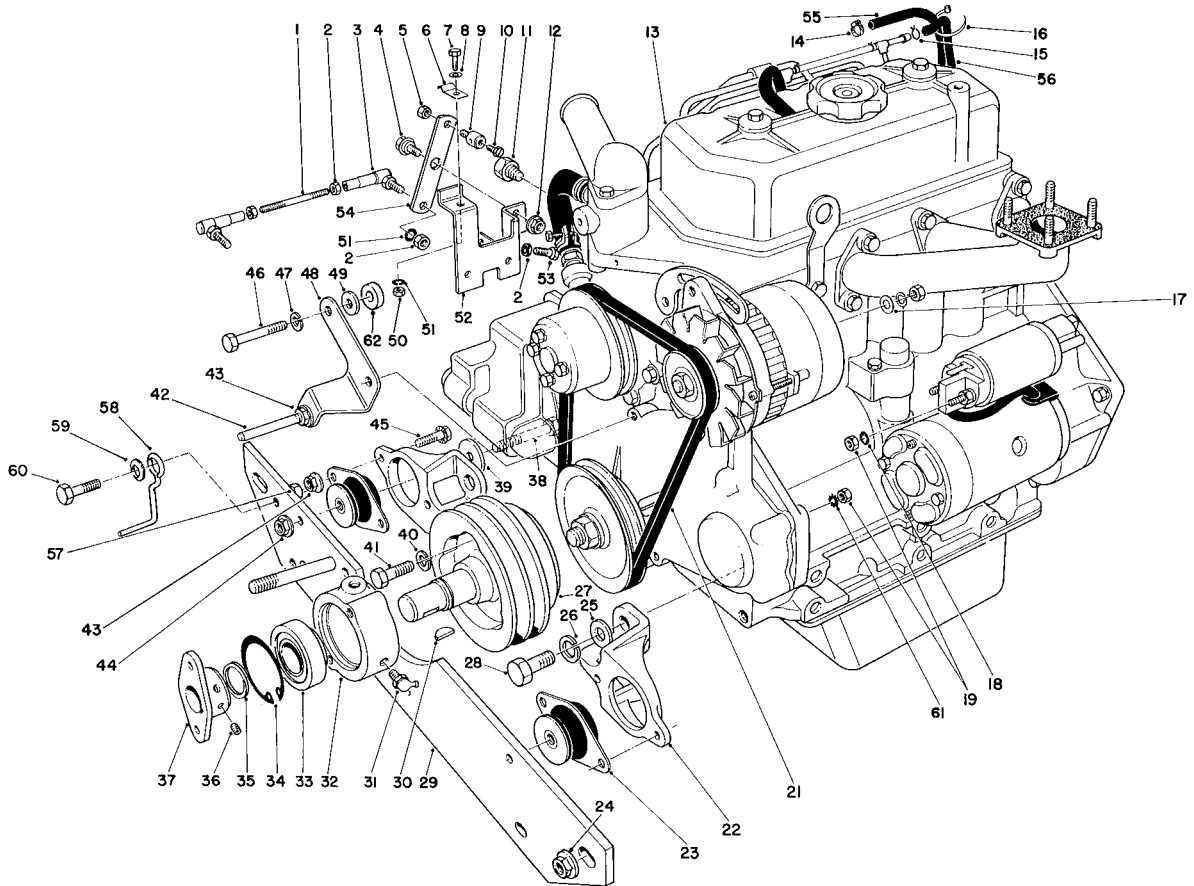
Ref. No.	Part No.	Description	No. Used
8	22-8420	Spool	1
10	22-8380	Spring Retainer	1
11	22-8410	Spring	1
12	22-8390	Spring Retainer	1
13	22-8400	Spacer Float	1
14	22-8480	Spring Ring Spool	1
15	22-8490	Snap Ring	1



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

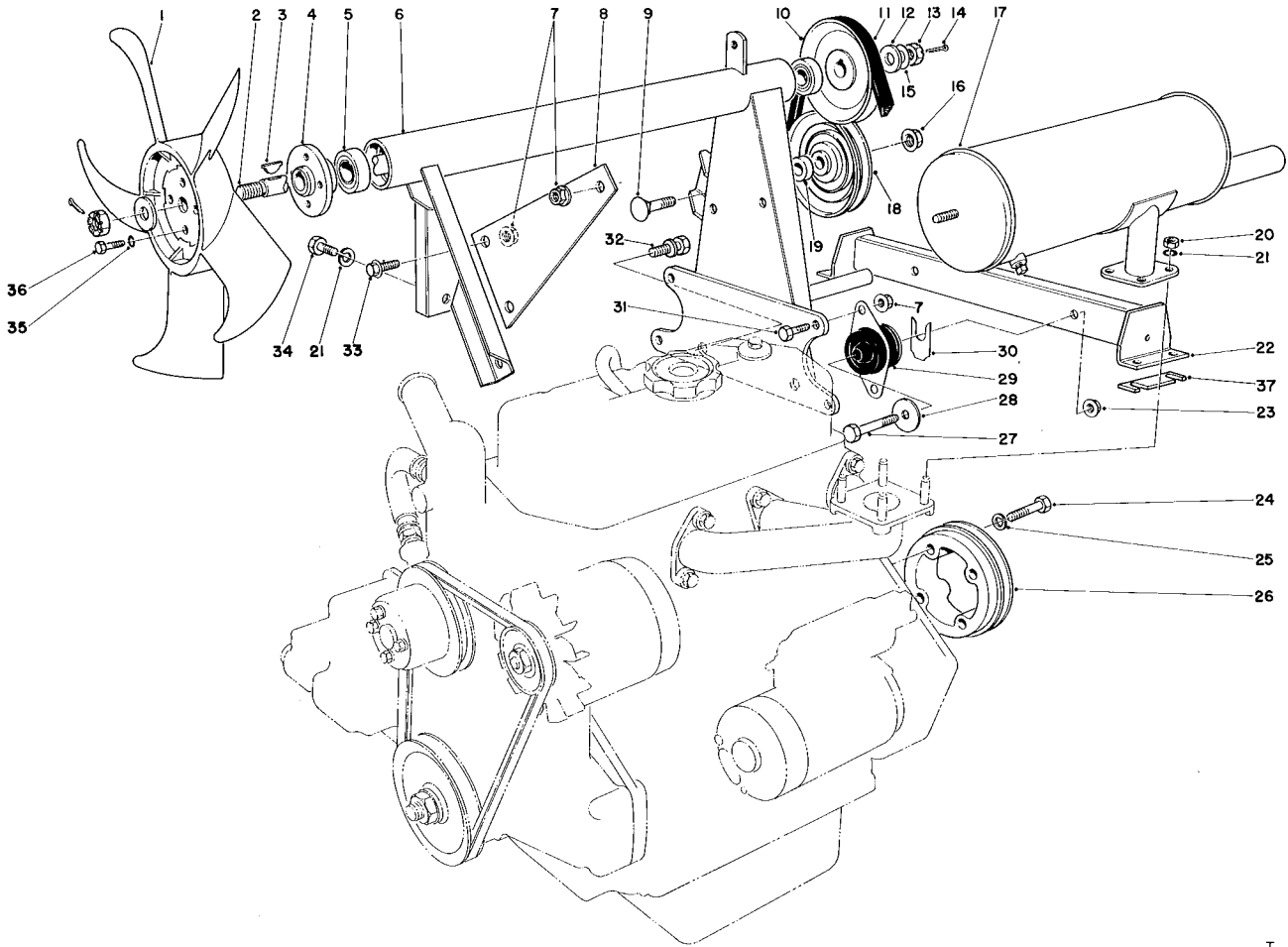


T-0429

## 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 External	1
62	5-0652	Spacer	2



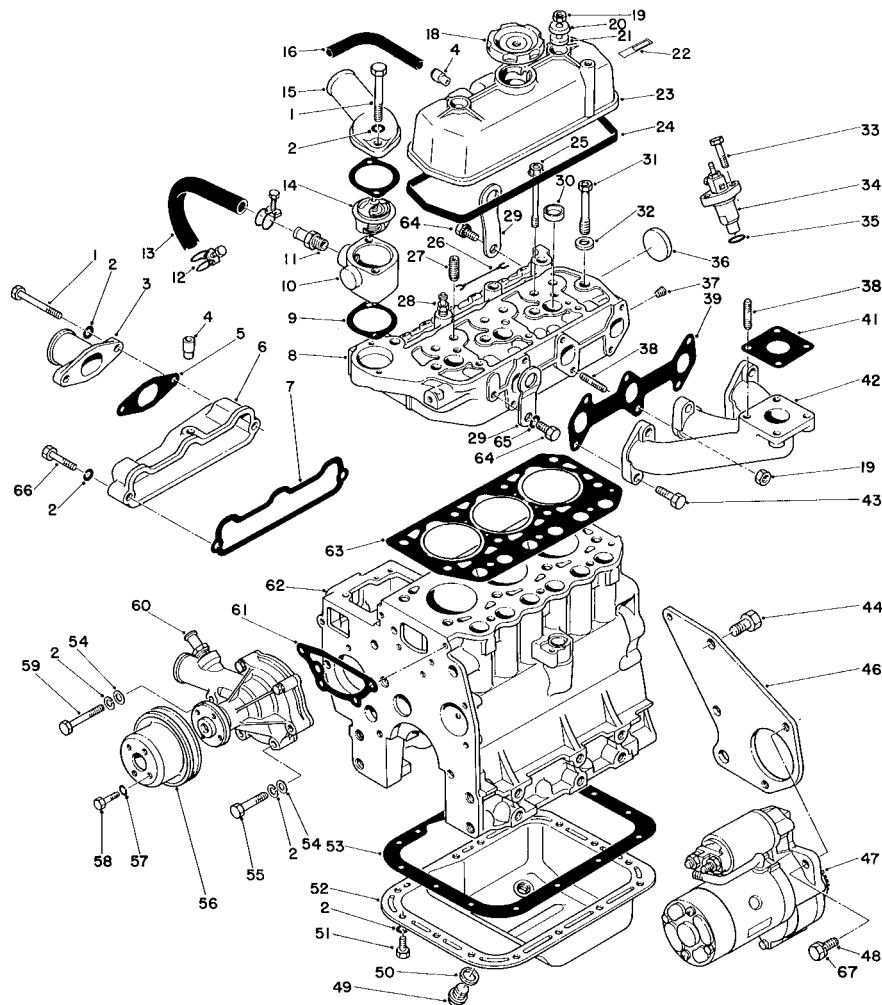
T--0430A

## ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	43-1910	Fan - Cooling	1	21	3253-4	Washer - Lock	5
2	43-3690	Fan - Shaft	1	22	77-3140	Engine Mount	1
3	3257-30	Key - Woodruff	2	23	32128-37	Nut - Lock, Flange	2
4	43-3700	Hub-Fan	1	24	43-3200	Screw - Cap, Hex. Hd.	4
5	38-7820	Bearing	2	25	42-9600	Washer - Lock	4
6	53-9750	Fan Mount	1	26	43-3530	Pulley Flywheel	1
7	3290-357	Nut - Lock, Flange	8	27	324-11	Screw - Cap, Hex. Hd.	2
8	43-3870	Support - Muffler	1	28	53-9480	Washer	2
9	3233-14	Bolt - Carriage	1	29	53-9680	Engine Mount - Rubber	2
10	43-3880	Pulley	1	30	42-6080	Shim	A/R
11	43-5910	V-Belt	1	31	3234-11	Screw - Cap, Hex. Hd.	4
12	29-8910	Washer	2	32	66-7030	Screw - Cap, w/Washer	2
13	32136-3	Nut - Hex. Slotted	2	33	3234-12	Screw - Lock, Flange	2
14	3272-16	Cotter Pin	2	34	42-9230	Screw - Cap, Hex. Hd.	1
15	3-6803	Washer	A/R	35	3253-3	Washer - Lock	4
16	32128-23	Nut - Lock, Flange	1	36	321-3	Screw - Cap, Hex. Hd.	4
17	43-3850	Muffler	1	37	68-9110	Shim	A/R
18	66-5310	Idler Pulley	1	*	68-9111	Shim	A/R
19	66-5320	Spacer	1	*	68-9112	Shim	A/R
20	42-9580	Nut	4				

\*Not Illustrated



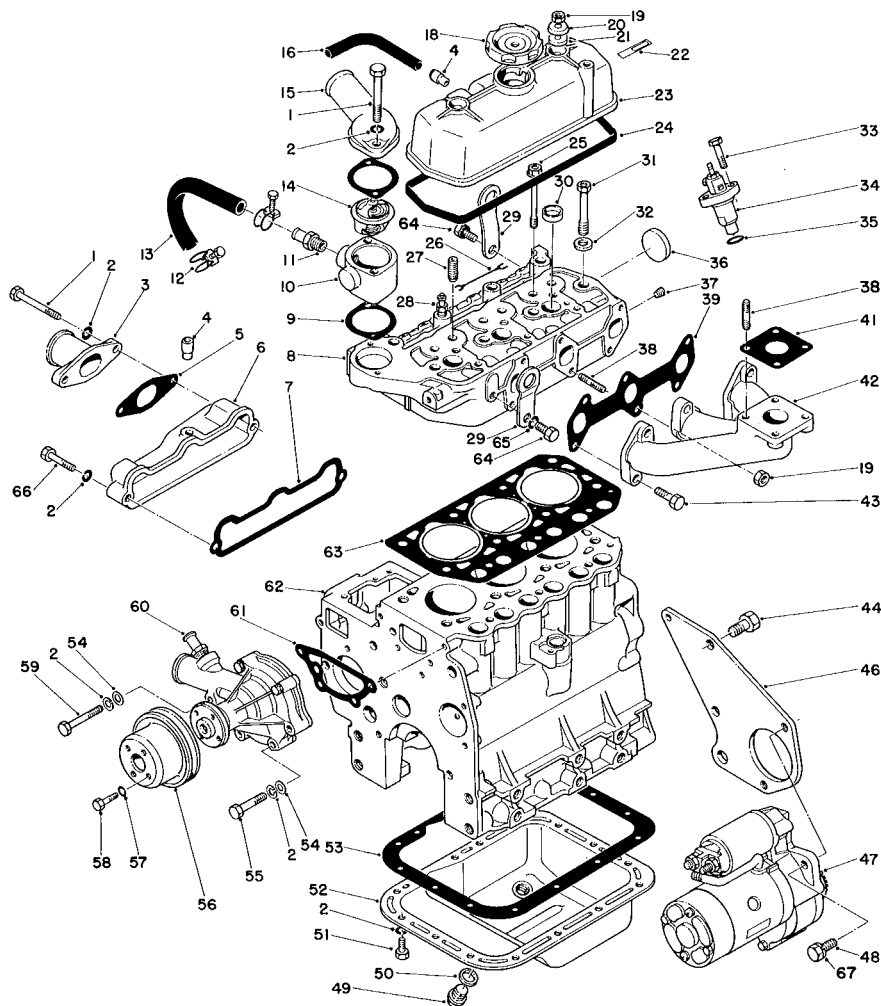


T-0431

## ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
1	42-9310	Screw - Cap Hex. Hd.	4
2	42-9850	Washer - Lock	24
3	42-9150	Pipe Inlet	1
4	42-7510	Gasket - Inlet Pipe	1
5	42-9160	Gasket - Inlet Pipe	1
6	42-9120	Assembly - Intake Manifold	1
7	42-9140	Gasket - Intake Manifold	1
8	72-4290	Assembly - Head, 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		Label - Engine No.	1
23	42-7500	Assembly - Cover, 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	Assembly - Starter	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

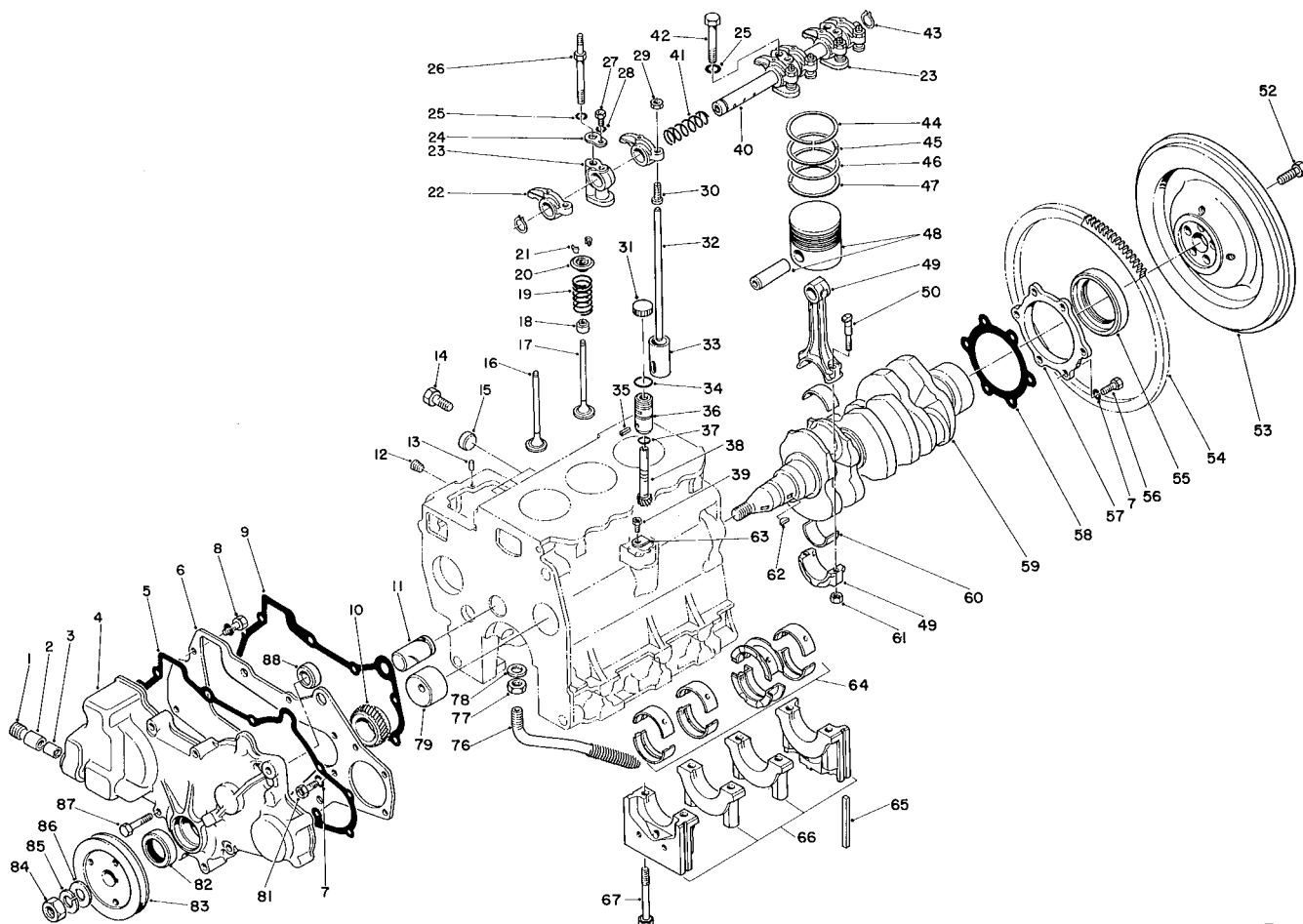


T-0431

## 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

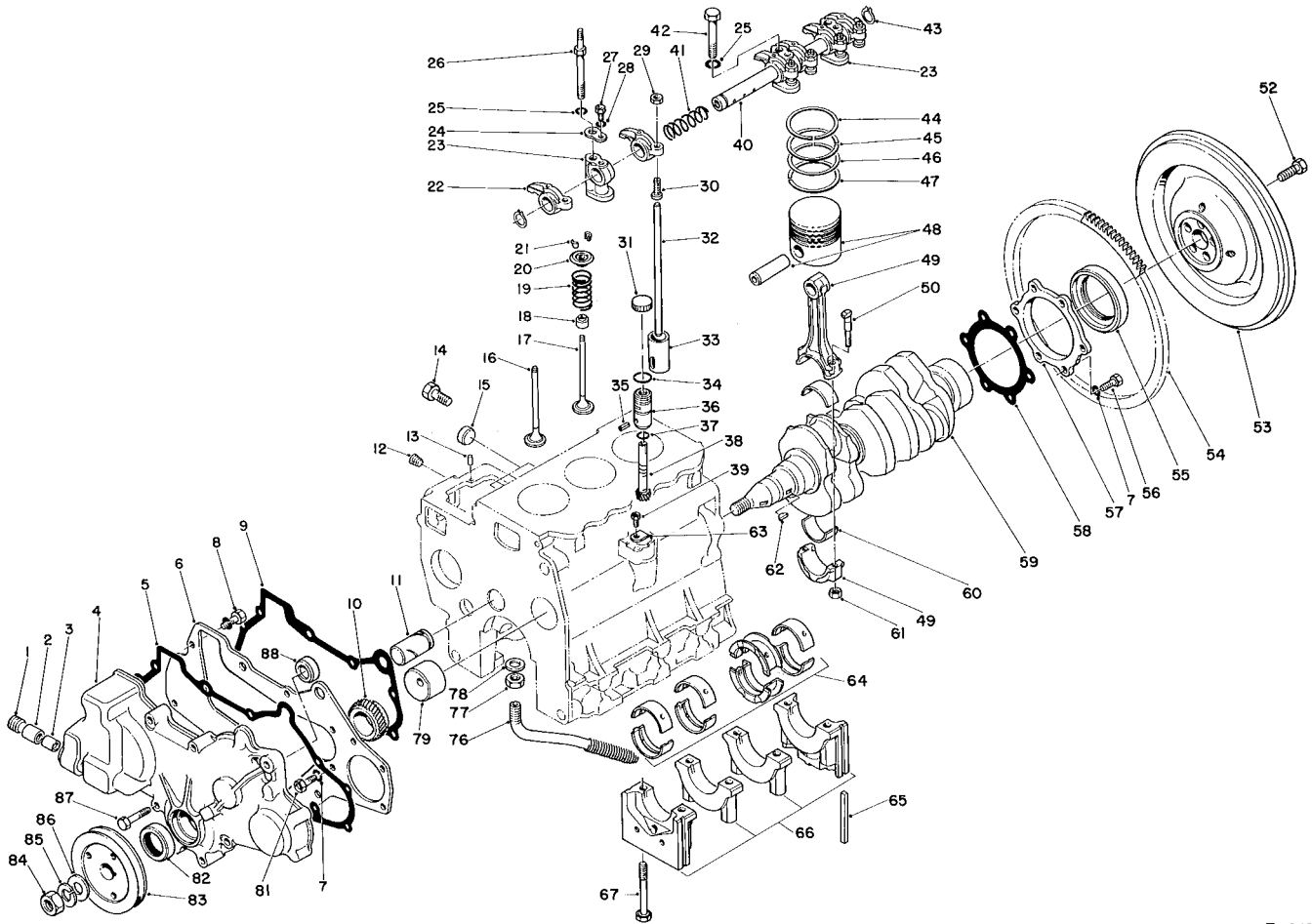
## ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
1	42-7400	Plug - Taper	1
2	42-7320	Bearing - Needle	1
3	42-7310	Bearing - Needle	1
4	42-7330	Case - Gear	1
5	42-7340	Gasket - Gear Case	1
6	62-3740	Plate - Front	1
7	42-9850	Washer - Lock	11
8	62-3730	Screw - Cap, w/Washer	2
9	42-7150	Gasket - Front Plate	1
10	42-7700	Gear - Crankshaft	1
11	42-7110	Shaft - Idler	1
12	42-7210	Plug - Taper	3
13	42-7030	Pin - Dowel	2
14	42-9250	Screw - Cap, Hex. Hd.	4
15	42-7080	Cap - Sealing	2
16	42-7900	Valve - Intake	3
17	42-7910	Valve - Exhaust	3
18	42-7870	Seal - Valve Stem	6
19	42-7880	Spring - Valve	6
20	42-7850	Retainer - Valve Spring	6
21	42-7860	Lock - Spring Retainer	12
22	42-7940	Arm - Rocker	6
23	42-7970	Stay - Rocker	3
24	42-7950	Washer - Seat	2
25	42-9600	Washer - Spring	3

Ref. No.	Part No.	Description	No. Used
26	42-9360	Bolt	2
27	42-9350	Screw - Cap, Hex. Hd.	2
28	43-5930	Washer - Lock	2
29	42-9620	Nut - Jam	6
30	42-7980	Screw - Adjusting	6
31	49-7990	Cap - Shipping	1
32	42-7920	Rod - Push	6
33	42-7890	Tappet	6
34	42-9010	O-Ring	1
35	42-8970	Pin - Spring	1
36	42-8980	Sleeve - Gear	1
37	42-8990	O-Ring	1
†38		Gear - Driven	1
39	42-9440	Screw - Cap, Hex. Hd.	1
40	42-7960	Shaft Assembly - Rocker	1
41	42-7930	Spring - Rocker Shaft L.H.	1
42	42-9370	Screw - Cap, Hex. Hd.	1
43	42-7990	Ring - Snap	2
44	72-4200	Ring - Set - Piston Std.	3
45	72-4210	Ring Set - Piston 0.25 (.010 in.) 0.5.	3
46	72-4220	Ring Set - Piston 0.50 (.020 in.) 0.5.	3
47	72-4230	Ring Set - Piston 075 (.030 in.) 0.5.	3

\*Not Illustrated

†Not Serviced Separately



T-0432A

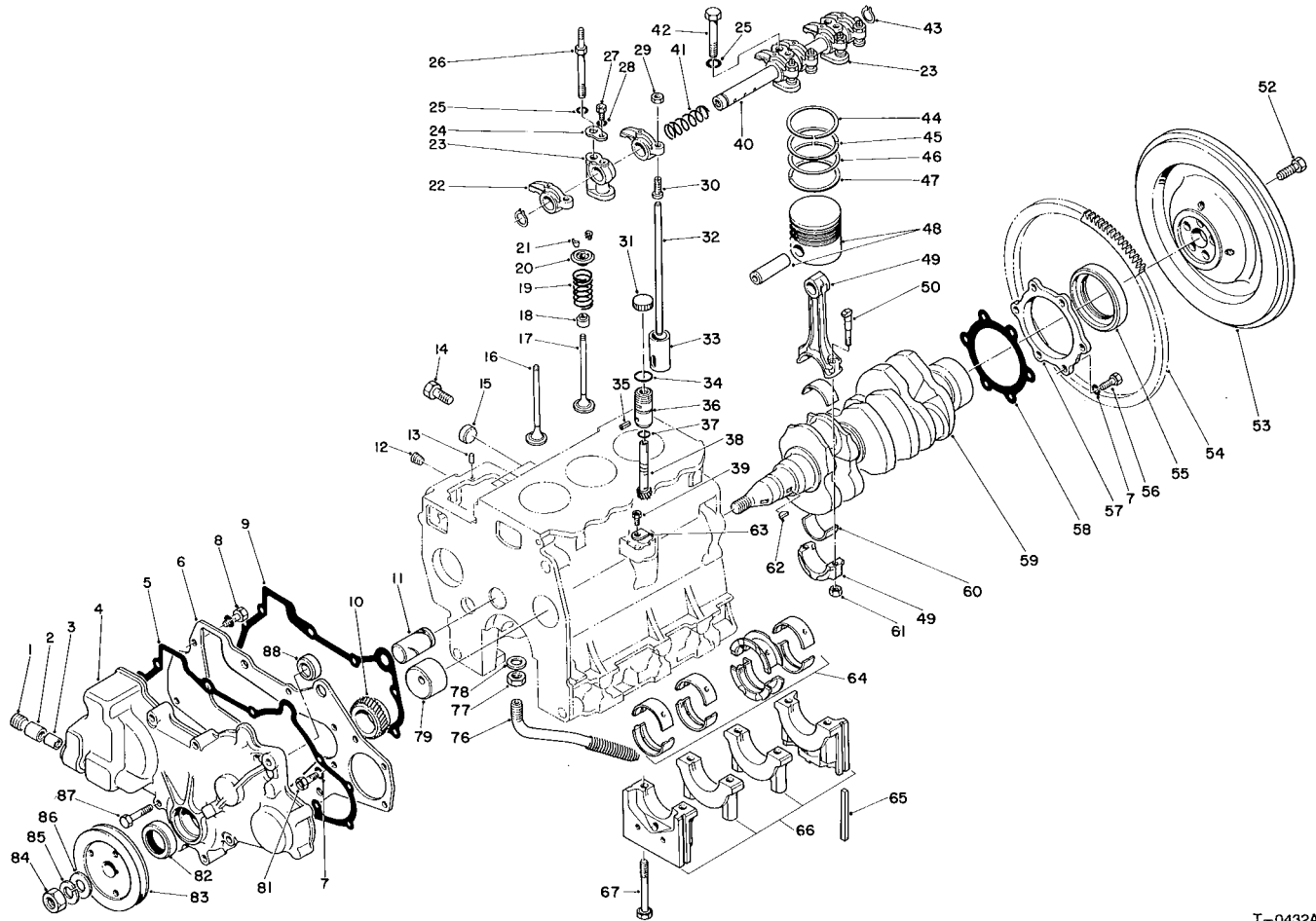
## ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
48	72-4240	Piston & Piston Pin Std.	3
*	72-4250	Piston & Piston Pin 0.25 (.010 in.) 0.5.	3
*48	72-4260	Piston & Piston Pin 0.50 (.020 in.) 0.5.	3
*	72-4270	Piston & Piston Pin 0.75 (.030 in.) 0.5.	3
49	42-7650	Connecting Rod Assembly	3
50	42-9470	Bolt - Connecting Rod	6
52	54-8670	Bolt - Flywheel	5
53	43-1800	Flywheel (Incl. Ref. #54)	1
54	43-1810	Gear - Ring	1
55	42-7060	Seal - Oil	1
56	42-9220	Screw - Cap, Hex. Hd.	6
57	42-7120	Case - Oil Seal	1
58	42-7130	Gasket - Oil Seal	1
59	42-7710	Crankshaft	1
60	42-7660	Bearing Set Connecting Rod Std.	3
*	42-7670	Bearing Set Connecting Rod 0.25 (.010 in.) U.S.	3
*	42-7680	Bearing Set Connecting Rod 0.50 (.020 in.) U.S.	3

Ref. No.	Part No.	Description	No. Used
*	42-7690	Bearing Set Connecting Rod 0.75 (.030 in.) U.S.	3
61	42-9590	Nut - Connecting Rod	6
62	42-7730	Key - Woodruff	2
63	42-9020	Plate - Locking	1
64	42-7230	Bearing Set Crankshaft Std.	1
*	42-7240	Bearing Set - Crankshaft 0.25 (.010 in.) U.S.	1
*	42-7250	Bearing Set - Crankshaft 0.50 (.020 in.) U.S.	1
*	42-7260	Bearing Set - Crankshaft 0.75 (.030 in.) U.S.	1
65	42-7040	Seal - Side	4
†66		Bearing Cap Assembly	1
67	42-9210	Bolt - Bearing Cap	8
76	48-2010	Screen - Assembly Oil	1
77	48-1990	Nut - Jam	1
78	48-1980	Gasket	1
79	42-7100	Bushing - Camshaft	1
81	42-9230	Screw - Cap, Hex. Hd.	3
82	42-7390	Seal - Oil	1
83	42-7720	Pulley - Crankshaft	1
84	43-6470	Nut	1
85	42-9860	Washer - Spring	1

\*Not Illustrated

†Not Serviced Separately



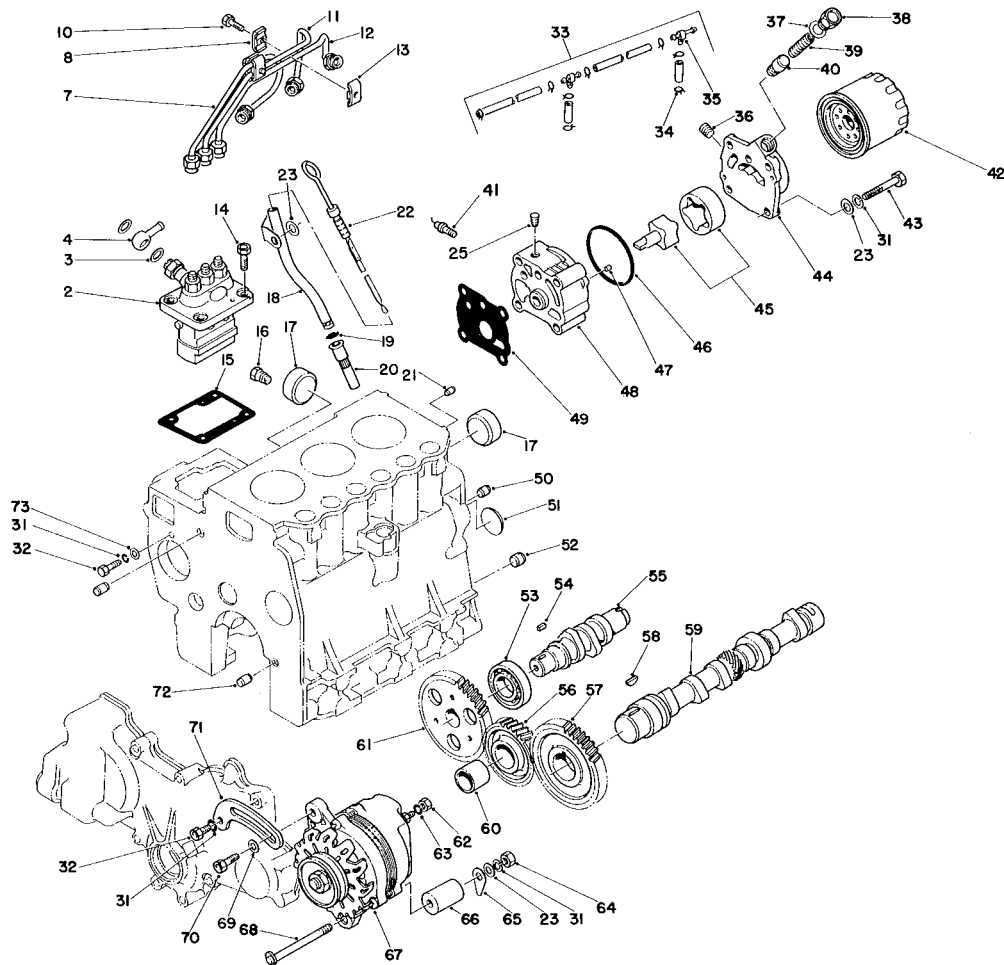
T-0432A

## ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
86	42-9810	Washer - Flat	1	*	42-8960	Driven Unit - Speedometer (Incl. Ref. #34-38)	1
87	42-9500	Screw - Cap, Hex. Hd.	8				
88	82-2590	Plug - Thrust	1				

\*Not Illustrated

†Not Available

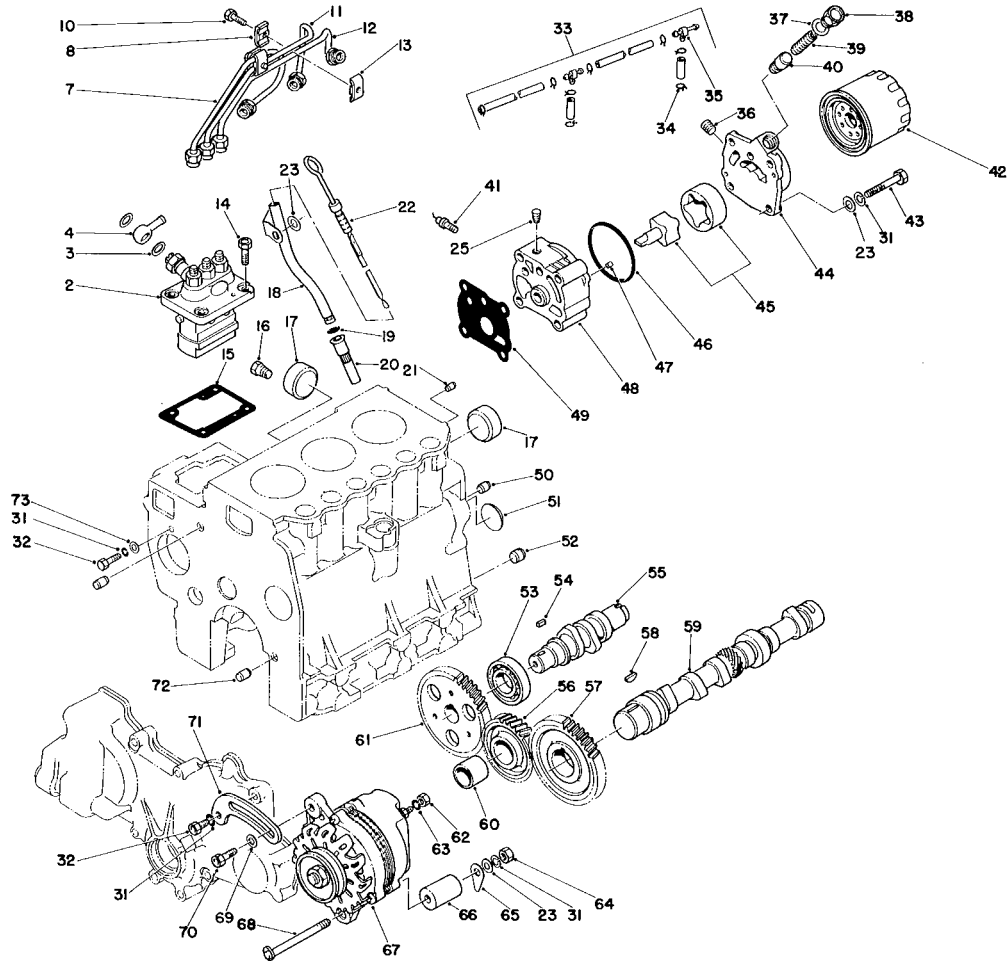


T-0433

## 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	42-7160	Pin - Dowel	1
4	42-8100	Collar - Union	1	22	42-7270	Oil Level Gauge Assembly	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



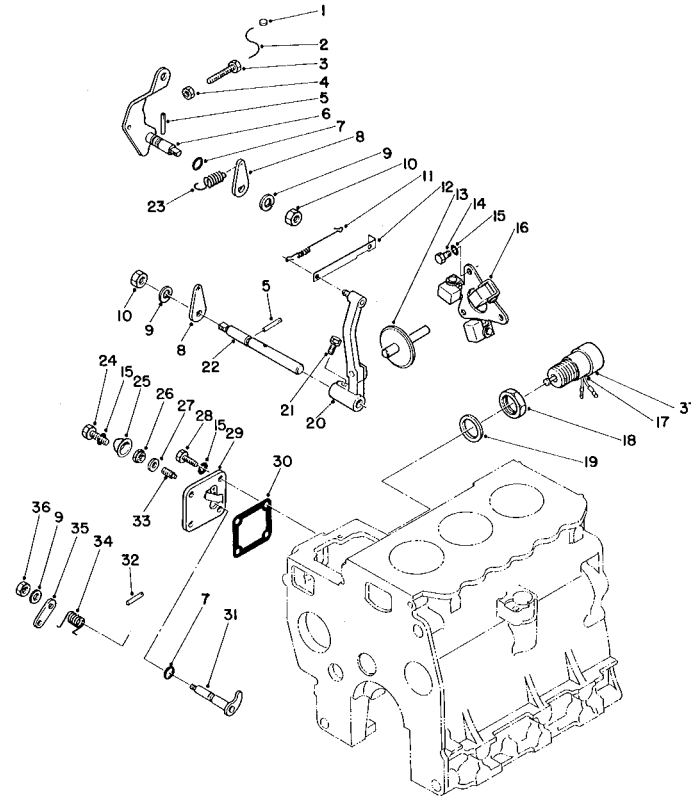
T-0433

## 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	Idler 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

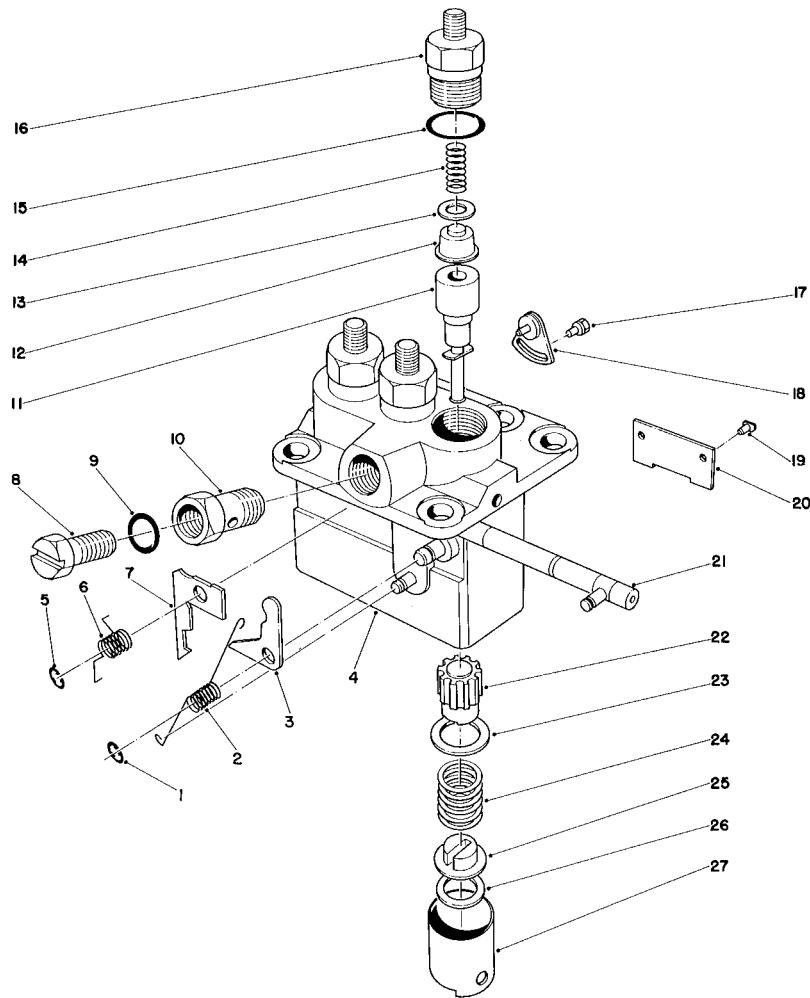


T-0434

## 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 Assy. - 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				





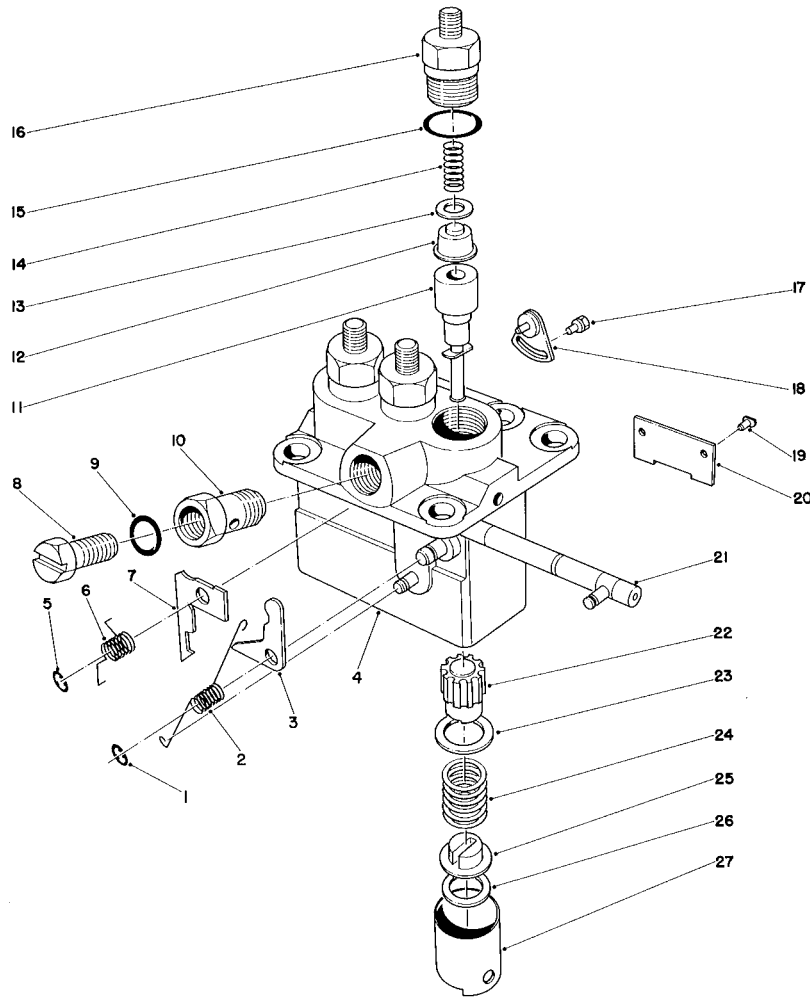
T-0435

## 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



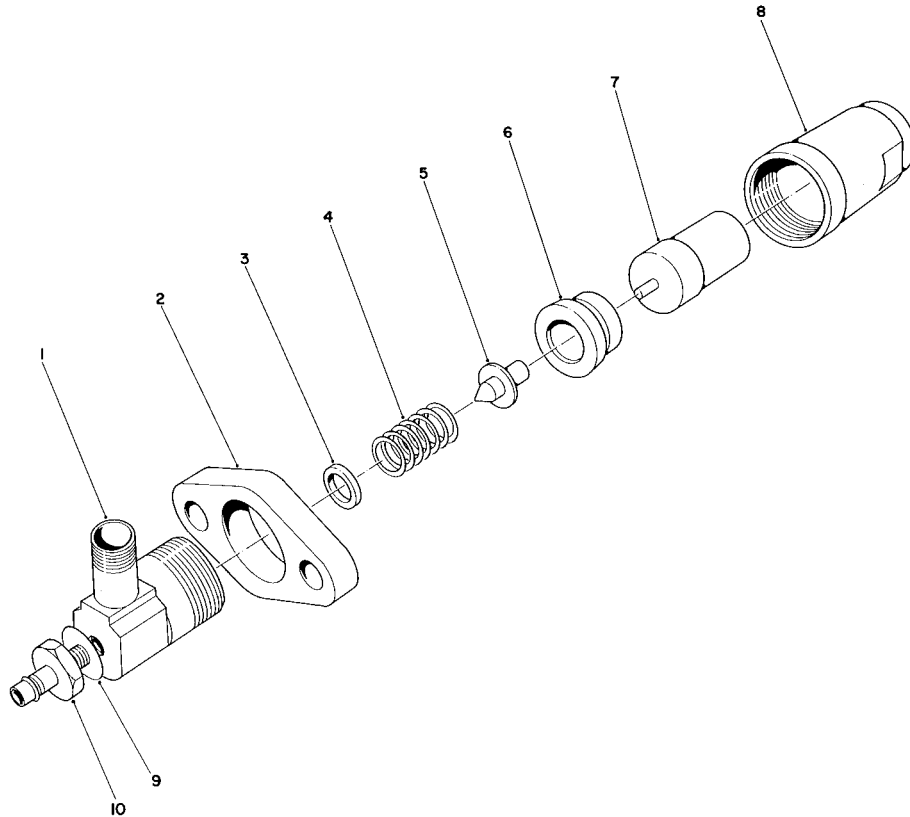
T-0435

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

Ref. No.	Part No.	Description	No. Used
8	42-8370	Screw - Air Breather	1
9	42-9770	Washer	1
10	42-8380	Screw - Hollow	1
11	42-8260	Element Sub Assembly	3
12	42-8250	Delivery Valve Sub Assy.	3
13	42-8240	Gasket - Delivery Valve	3
14	42-8230	Spring - Delivery Valve	3
15	42-8330	O-Ring	3
16	42-8220	Holder - Delivery Valve	3
17	43-3150	Bolt/Washer Assembled	2
18	42-8360	Plate Assembly - Adjusting	2
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

Ref. No.	Part No.	Description	No. Used
26	42-8390	Shim - Plate 0.6 (.0241 in.)	A/R
*	42-8400	Shim - Plate 0.2 (.008 in.)	A/R
*	42-8410	Shim - Plate 0.3 (.0121 in.)	A/R
*	42-8420	Shim - Plate 0.4 (.016 in.)	A/R
*	42-8430	Shim - Plate 0.5 (.020 in.)	A/R
*	42-8440	Shim - Plate 0.25 (.010 in.)	A/R
*	42-8450	Shim - Plate 0.35 (.014 in.)	A/R
*	43-6240	Shim - Plate 0.45 (.018 in.)	A/R
*	54-8680	Shim - Plate 0.55 (.022 in.)	A/R
*	54-8690	Shim - Plate 0.65 (.026 in.)	A/R
27	42-8300	Tappet Sub Assembly	3

\*Not Illustrated

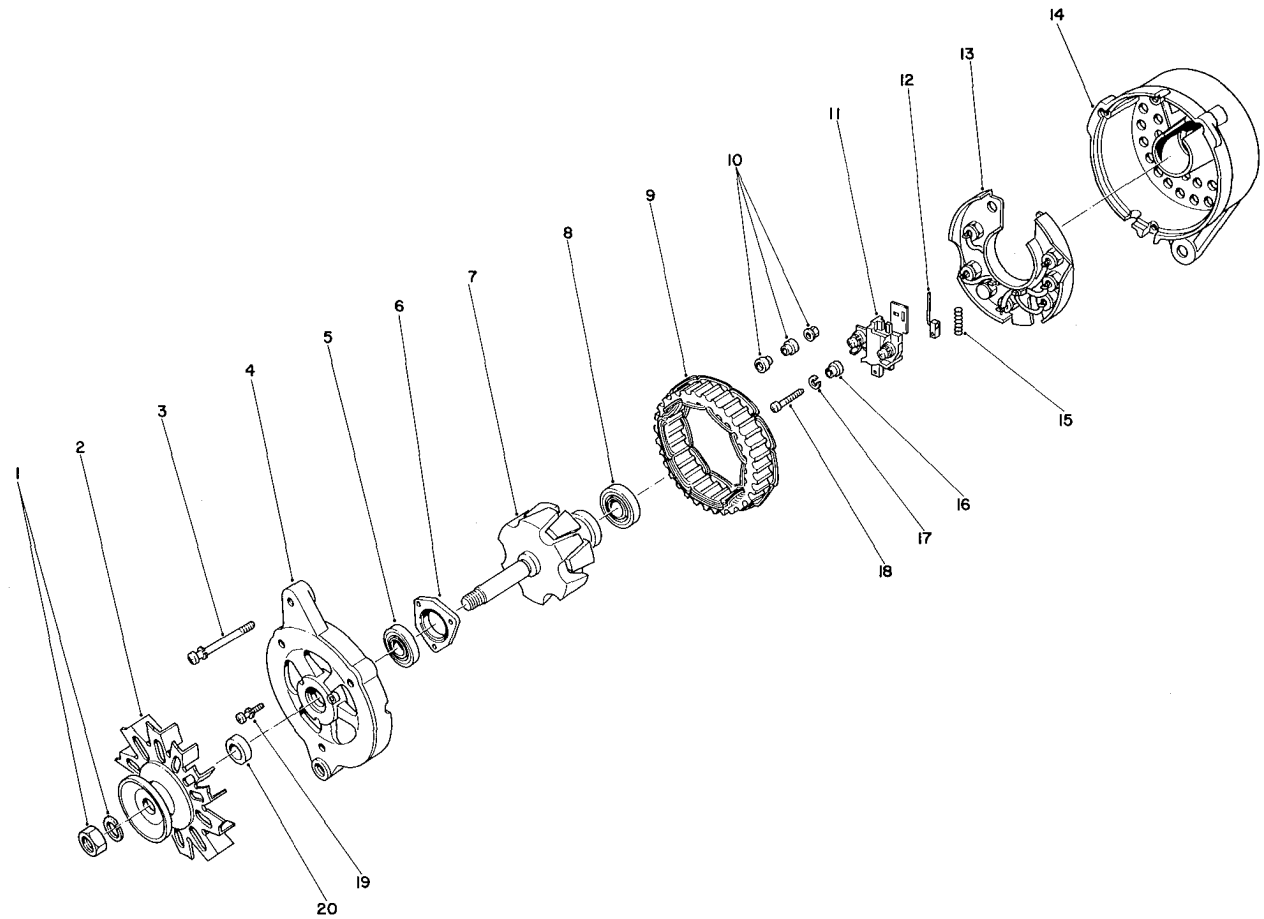


T-0436

## NOZZLE & HOLDER ASSEMBLY NO. 44-8070

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	44-8080	Body	3	*3	42-9730	Washer 1.1 (.043 in.)	A/R
2	42-8670	Flange	3	*	42-9740	Washer 1.2 (.047 in.)	A/R
3	42-9680	Washer 1.3 (.051 in.)	A/R	*	42-9750	Washer 0.1 (.004 in.)	A/R
*	42-9690	Washer 1.35 (.053 in.)	A/R	4	42-8630	Spring - Pressure	3
*	42-9700	Washer 1.4 (.055 in.)	A/R	5	42-8620	Pin - Pressure	3
*	42-9710	Washer 0.9 (.035 in.)	A/R	6	42-8660	Piece - Distance	3
*	42-9720	Washer 1.0 (.039 in.)	A/R	7	42-8680	Nozzle Assembly	3
				8	42-8650	Nut - Retaining	3
				9	42-9670	Washer	3
				10	42-8640	Nipple	3

\*Not Illustrated

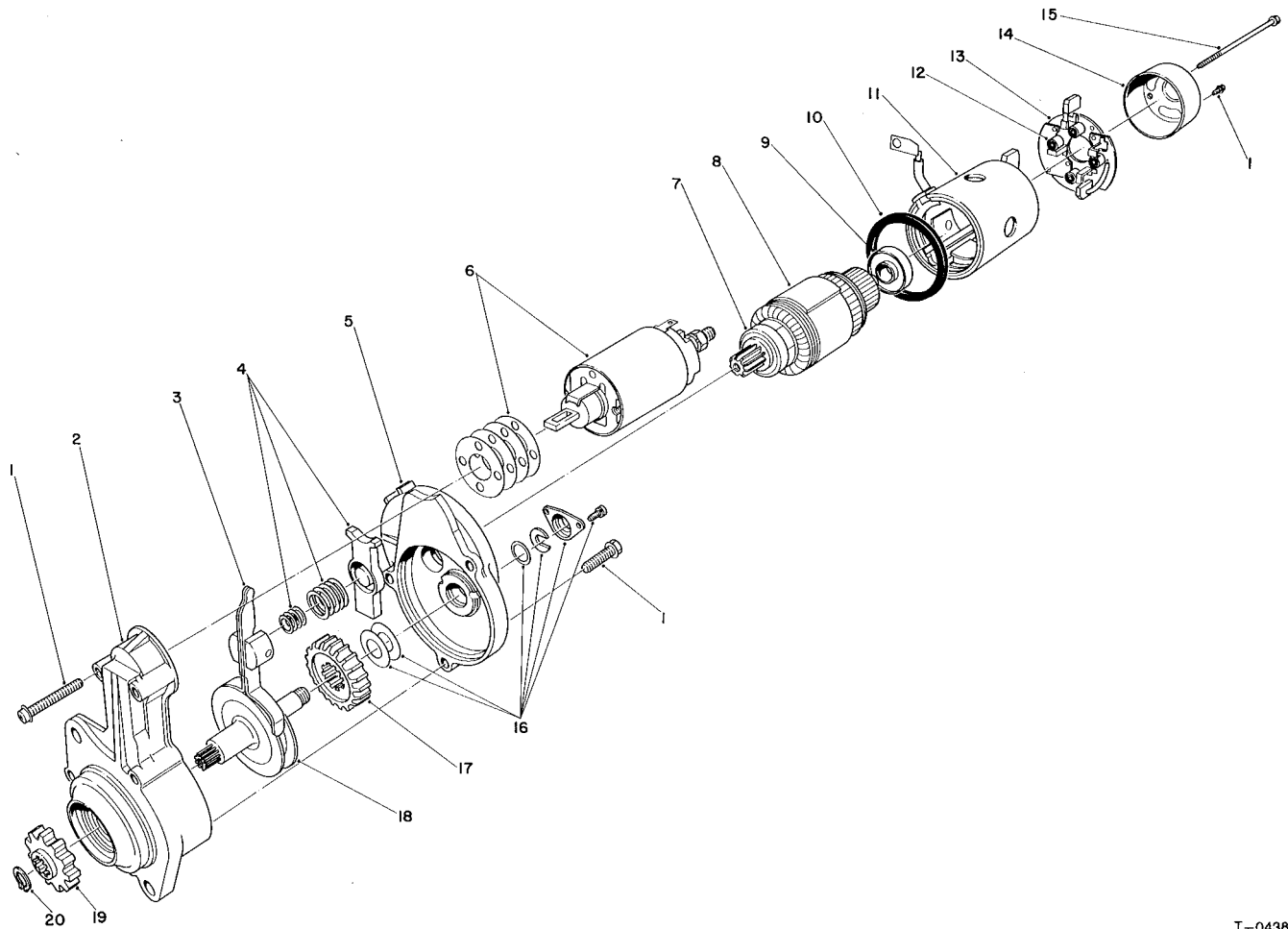


T-0437

## ALTERNATOR ASSEMBLY NO. 43-0390

Ref. No.	Part No.	Description	No. Used
1	43-1920	Nut Set	1
2	43-0420	Pulley Assembly (Inc. 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		Plate - Bearing Retainer	1
7	43-0450	Rotor Assembly (Inc. 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

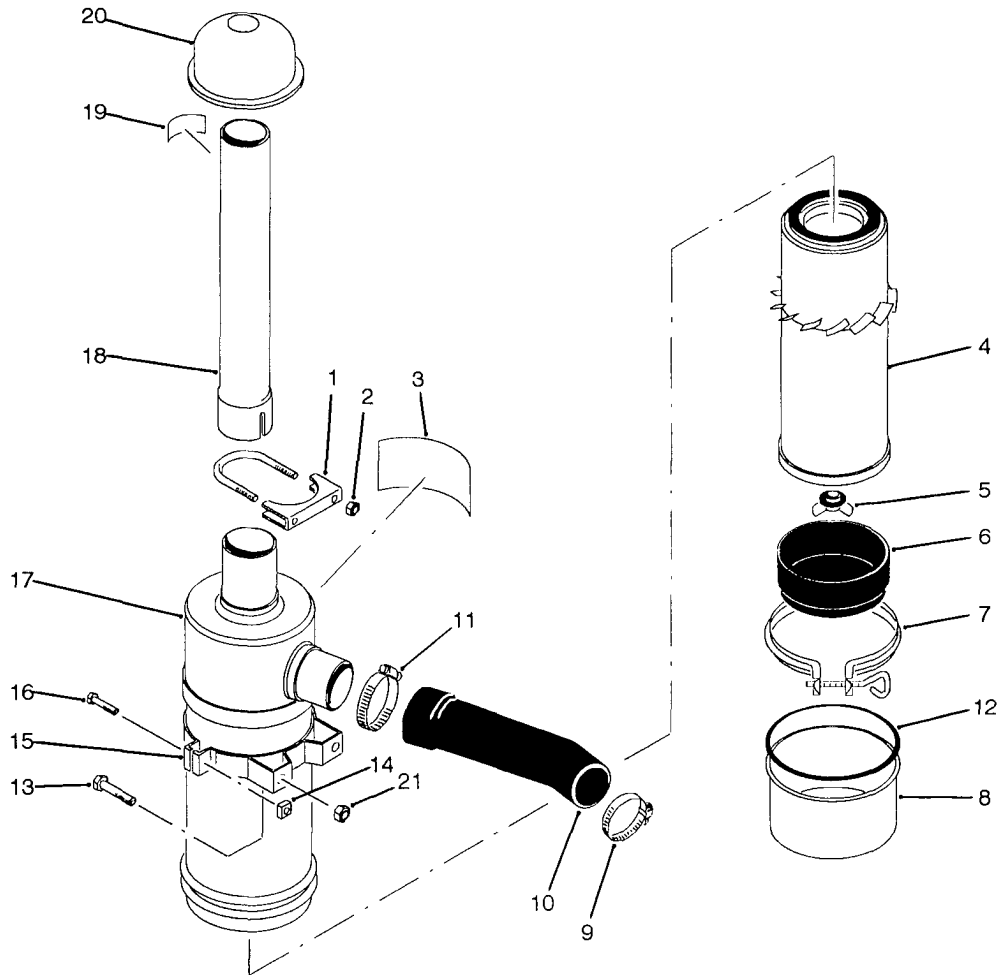


T-0438

## STARTER ASSEMBLY NO. 46-7610

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	46-7620	Screw - Set	1	13	46-7790	Brush Holder Assembly (Incl. Ref. #12)	1
2	46-7630	Bracket Assembly - Front	1	14	46-8040	Bracket - Rear	1
3	46-7640	Lever Assembly	1	15	46-7700	Bolt Set	1
4	43-0190	Spring Set	1	16	46-7770	Cover Set	1
5	46-7650	Bracket Assembly - Center	1	17	46-7760	Gear	1
6	46-7660	Switch Assembly	1	18	46-7750	Shaft Assembly Pinion	1
7	46-7680	Bearing - Front	1	19	46-7720	Pinion Set (Incl. Ref. #20)	1
8	46-7670	Armature Set (Incl. Ref. #7 & 9)	1	20	46-7730	Snap Ring	1
9	46-7690	Bearing - Rear	1	*	46-7740	Gear Set (Incl. Ref. #17 & 18)	1
10	46-8050	Packing	1	*	46-7710	Shaft Assembly - Clutch (Incl. Ref. #16-20)	1
11	46-7780	Yoke Assembly	1				
12	46-8030	Spring - Brush	4				

\*Not Illustrated

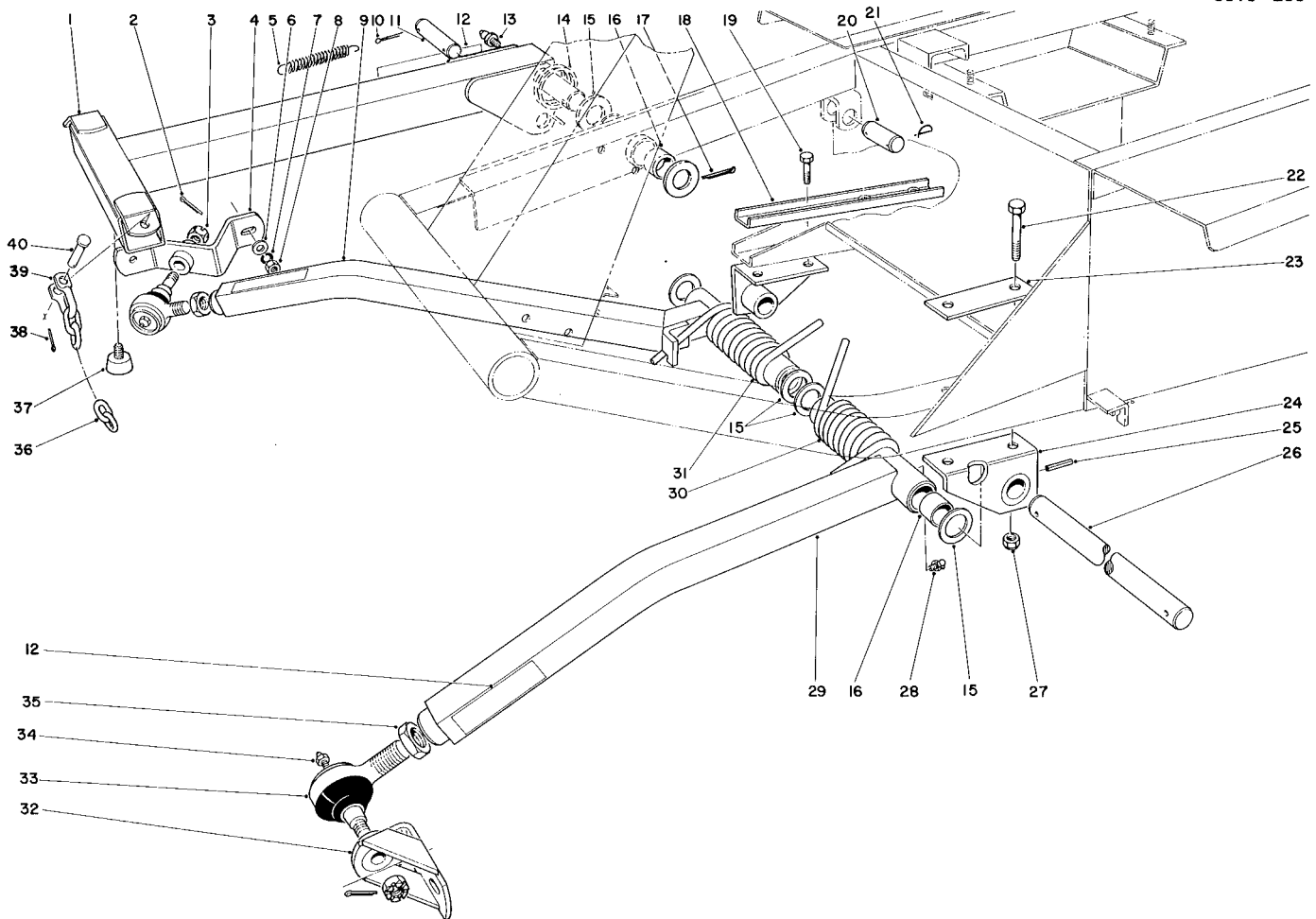


T-0439

## 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	43-3830	Hose - Air Cleaner	1
11	2412-42	Hose Clamp	1

Ref. No.	Part No.	Description	No. Used
12	80-3330	Gasket	1
13	322-3	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	43-3810	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



T-0440

## PUSH ARM ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	66-6370	Lift Arm	1	21	5-3126	Spring Pin	3
2	3272-11	Cotter Pin	2	22	324-12	Screw - Cap, Hex. Hd.	2
3	32136-2	Nut	2	23	21-3750	Support Plate	1
4	21-3020	Ball Joint Mount R.H.	1	24	21-2860	Push Arm Bracket	2
5	21-1830	Spring Tension	1	25	32121-84	Roll Pin	2
6	3256-25	Washer - Flat	1	26	21-2990	Shaft - Pivot	1
7	3253-6	Washer - Lock	2	27	32128-42	Nut - Flange Lock	4
8	3217-8	Nut - Full	2	28	302-33	Grease Fitting	2
9	66-7150	Push Arm R.H. (Incl. Ref. #16 & 28)	1	29	21-2960	Push Arm L.H. (Incl. Ref. #16 & 28)	1
10	3272-24	Cotter Pin	1	30	21-2900	Spring - Torsion L.H.	1
11	24-9510	Pin	1	31	21-2890	Spring - Torsion R.H.	1
12	61-3610	Warning Decal	3	32	21-3050	Ball Joint Mount L.H.	1
13	302-5	Grease Fitting	1	33	86-8100	Ball Joint Assembly	2
14	46-8840	Spring - Lift Arm	1	34	302-5	Grease Fitting	2
15	5-1754	Washer	6	35	21-3000	Nut - Jam	2
16	256-126	Bushing	6	36	3-1365	Chain - Lift	3
17	3272-33	Cotter Pin	1	37	67-9800	Bumper	1
18	23-1950	Support Reinforcement	1	38	3272-10	Cotter Pin	3
19	324-4	Screw - Cap, Hex. Hd.	2	39	5-2942	Shackle	3
20	3-7292	Pin	1	40	283-10	Pin	3

# TORO PART NUMBER INDEX

Part No.	Description	Pg. Ref.		Part No.	Description	Pg. Ref.	
		No.	Qty.			No.	Qty.
3-1365	Chain - Lift	47	36 3	21-8100	Adjustment Shim .005	17	37 A/R
3-3251	Spring - Compression	10	9 1	21-8110	Adjustment Shim .010	17	36 A/R
3-6498	Washer	8	18 A/R	21-8120	Adjustment Shim .030	17	35 A/R
3-6657	Clip	7	31 2	21-8180	Bearing	18	3 2
3-6803	Washer	32	15 A/R	21-8270	Dowel Pin	16	3 2
3-7243	Spring - Extension	10	13 2	21-8320	Gasket - Wheel Bearing	18	20 2
3-7292	Pin	47	20 1	21-8330	Oil Seal	18	2 2
3-8812	Spacer	8	19 1	21-8360	Clip - Retaining	18	12 2
4-2390	Washer	30	49 2	21-8590	Link - Valve Lever	26	27 1
5-0652	Spacer	8	37 1	21-8620	Lever Valve	26	2 1
5-0652	Spacer	31	62 2	21-8640	Latch Valve Lever	26	7 1
5-0701	Spring Anchor	9	52 1	21-9010	Pivot Mount - Valve Lever	26	11 1
5-0838	Washer - Flat	5	38 3	21-9260	Cover - Dust	12	4 1
5-1226	Washer	19	17 3	21-9370	Screw - Adjusting	18	16 2
5-1747	Spring	8	21 1	21-9380	Nut - Pivot	18	17 2
5-1754	Washer	47	15 6	21-9390	Socket - Adjusting Screw	18	15 2
5-2942	Shackle	47	39 3	21-9420	Spring - Shoe Return L.H.	18	19 2
5-3126	Spring Pin	47	21 3	21-9430	Spring - Shoe Return R.H.	18	7 2
5-3637	Washer	30	17 1	21-9440	Spring - Adjusting Screw	18	14 2
6-1659	Toggle Switch	3	19 1	21-9450	Dust Shield	18	5 2
7-3900	Pad - Brake	10	1 1	21-9460	Retainer - Brake Lever	18	10 4
10-6830	Stud - Drive	19	32 10	22-7810	Spacer	15	19 1
10-8110	Washer - Thrust	19	18 A/R	22-7820	Buzzer Assembly	3	36 1
11-0590	Screw - Cap, Self Tapping	5	34 2	22-8330	Plug	29	1 2
11-0590	Screw - Hex. Hd. Tapping	10	5 2	22-8340	Spring	29	3 2
11-9760	Screw - Self Tapping	22	52 3	22-8350	Ball	29	4 2
12-5450	Thread Forming Screw	16	13 8	22-8360	Pin - Cam	29	6 2
12-9990	Hour Meter	3	40 1	22-8370	Seat - Check Valve	29	5 2
14-8459	Hood	5	6 1	22-8380	Spring Retainer	29	10 1
18-1720	Ball Joint Assembly	30	3 2	22-8390	Spring Retainer	29	12 1
18-2770	Cable - Ground	2	52 1	22-8400	Spacer Float	29	13 1
20-4840	Muffler Clamp	46	1 1	22-8410	Spring	29	11 1
21-0141	Socket Assembly R.H.	10	26 1	22-8420	Spool	29	8 1
21-0141	Socket Assembly R.H. Thd.	19	39 2	22-8480	Spring Ring Spool	29	14 1
21-0151	Socket Assembly L.H. Thd.	19	* 2	22-8490	Snap Ring	29	15 1
21-0230	Pulley P.T.O.	8	13 1	23-1950	Support Reinforcement	47	18 1
21-0400	Spring - Compression	8	48 1	23-2240	Rod - Pump Control	10	17 1
21-1600	Clamp P.T.O. Lever	9	54 1	23-2270	Bushing - Rubber	10	16 1
21-1820	Stud - Belt Retainer	30	42 2	23-5180	Dipstick	15	41 1
21-1830	Spring - Tension	8	50 1	23-7270	Nut - Wheel	15	32 10
21-1830	Spring Tension	47	5 1	24-6390	Stud - Battery Hold Down	1	10 2
21-1880	Grip Handle	8	1 1	24-6420	Hold Down - Battery	1	24 1
21-2000	Tie Rod	19	42 2	24-8790	Differential Bevel Gear Side	16	5 2
21-2370	Wire - Hour Meter Ground	4	1 1	24-8840	Ring - Wheel Bearing	18	21 2
21-2660	Footrest	1	4 1	24-9180	Strut & Lever Parking Brake	18	4 2
21-2760	Pad - Foot Rest L.H.	2	47 1	24-9510	Pin	47	11 1
21-2770	Pad - Foot Rest R.H.	2	46 1	24-9740	Cover - Battery Access	1	21 1
21-2820	Hub Wheel	19	30 2	24-9830	Support Axle	19	48 1
21-2850	Mount - R.H. Pedal	10	4 1	25-2380	Thrust Plate	25	50 2
21-2860	Push Arm Bracket	47	24 2	25-2390	Motor Valve Plate	25	57 1
21-2890	Spring - Torsion R.H.	47	31 1	25-2400	Gasket	25	59 1
21-2900	Spring - Torsion L.H.	47	30 1	25-2410	Accel. Valve Assembly	24	17 2
21-2960	Push Arm L.H.	47	29 1	25-2420	Center Section	25	55 1
21-2990	Shaft - Pivot	47	26 1	25-2430	Dowel Pin	25	52 2
21-3000	Nut - Jam	47	35 2	25-2440	Pump Valve Plate	25	51 1
21-3020	Ball Joint Mount R.H.	47	4 1	25-2450	Variable Swashplate	24	48 1
21-3050	Ball Joint Mount L.H.	47	32 1	25-2460	Plug - Hex. Hd.	24	28 2
21-3370	Cable - R.H. Brake	10	* 1	25-2470	Shim Pack	24	29 2
21-3380	Cable - L.H. Brake	10	15 1	25-2480	Valve Spring	24	44 1
21-3600	Foam - Tank Support	15	3 1	25-2490	Ball	24	9 2
21-3610	Foam - Tank Support	15	21 1	25-2500	Trunion Shaft	24	43 1
21-3750	Support Plate	47	23 1	25-2510	Washer - Flat	24	25 2
21-7670	Differential Case	17	33 1	25-2530	Headless Straight Pin	24	39 1
21-7690	Pinion Gear	16	6 2	25-2550	Charge Pump Housing	24	34 1
21-7700	Pinion Mate Shaft	17	31 1	25-2570	Valve Spring	24	30 1
21-7720	Thrust Washer	16	4 2	25-2580	Trunion Shaft	24	26 1
21-7730	Thrust Washer	16	7 2	25-2610	Accel. Valve Spring	24	16 1
21-7770	Drive Gear Screw	17	32 5	25-2620	By-Pass Valve	24	15 1
21-7830	Gear Cover	16	12 1	25-2630	Back-Up Ring	24	14 1
21-7850	Cup - Plug	16	20 1	25-2640	Valve Spring	24	8 2
21-8020	Spacer - Pinion Bearing	17	25 1	25-2650	Check Valve Plug	24	6 2
21-8090	Adjustment Shim .003	17	38 A/R	25-2680	Gerotor Assembly	24	38 1

\*Not Illustrated



# TORO PART NUMBER INDEX (Cont.)

3315-263

Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
25-3180	Check Valve Kit	24	11	2	42-7110	Shaft - Idler	35	11	1
25-3190	Charge Pump	24	40	1	42-7120	Case - Oil Seal	36	57	1
25-3210	Lip Seal	24	24	2	42-7130	Gasket - Oil Seal	36	58	1
25-8640	Screw - Machine	30	10	1	42-7150	Gasket - Front Plate	35	9	1
26-6740	Temperature Reset Relay	3	18	1	42-7160	Pin - Dowel	38	21	1
26-6750	Engine Temperature Gauge	3	15	1	42-7170	Plug - Expansion	38	51	1
27-1960	Hub - Engine	30	37	1	42-7180	Bushing - Knock	38	50	2
27-2360	Key Switch	3	10	1	42-7190	Bushing - Knock	39	72	2
27-6590	Spacer - Rubber Coupling	22	22	2	42-7200	Bushing - Knock	39	52	1
27-6600	Spacer - Rubber Coupling	22	20	6	42-7210	Plug - Taper	35	12	3
27-7100	Air Cleaner Assembly	46	17	1	42-7210	Plug - Taper	38	36	1
27-7110	Element Assembly	46	4	1	42-7230	Bearing Set	36	64	1
27-7120	Nut & Gasket Assembly	46	5	1	42-7240	Bearing Set - Crankshaft	36	*	1
27-7130	Clamp Assembly	46	7	1	42-7250	Bearing Set - Crankshaft	36	*	1
27-7140	Skirt - Baffle	46	6	1	42-7260	Bearing Set - Crankshaft	36	*	1
27-7150	Cup Assembly	46	8	1	42-7270	Oil Level Gauge Assembly	38	22	1
27-7160	Decal - Instructions	46	3	1	42-7280	Oil Pan Assembly	34	52	1
27-7170	Band Assy.	46	15	2	42-7290	Gasket - Oil Drain Plug (18)	33	50	1
27-7180	Cap Assembly - Air Inlet	46	20	1	42-7300	Gasket - Oil Pan	34	53	1
27-7290	Decal - Power Take off	1	18	1	42-7310	Bearing - Needle	35	3	1
27-7310	Decal - Refueling	2	33	1	42-7320	Bearing - Needle	35	2	1
27-7320	Decal - Traction Pedal	1	1	1	42-7330	Case - Gear	35	4	1
27-7370	Brake Assembly P.T.O.	8	25	1	42-7340	Gasket - Gear Case	35	5	1
27-7490	Pedal - L.H. Brake	10	41	1	42-7390	Seal - Oil	36	82	1
27-7510	Pedal - R.H. Brake	10	42	1	42-7400	Plug - Taper	35	1	1
27-7570	Pad - Left Turn	10	38	1	42-7410	Plug - Taper	38	25	1
27-7580	Pad - Right Turn	10	2	1	42-7410	Plug - Taper 1/8	33	37	1
27-7590	Mount - Brake	10	34	1	42-7420	Cap - Oil Filter	33	18	1
27-7640	Shaft - Brake Latch	10	36	1	42-7430	Pipe - Air Breather	33	16	1
27-7900	Screw - Adjusting	8	35	1	42-7440	Hanger - Engine	33	29	2
27-8550	Pedal - Parking Brake	10	45	1	42-7460	Guide - Valve	33	27	6
27-9270	Mount - Brake Pivot Shaft	10	35	1	42-7470	Gasket - Cylinder Head	34	63	1
28-0650	Flanged Axle Shaft	18	1	2	42-7480	Glow Plug	33	28	3
28-0660	Screw - Cap, Hex. Hd.	18	22	8	42-7490	Seal - Oil	33	21	2
28-0670	Oil Seal	18	8	2	42-7500	Assembly - Cover, Rocker	33	23	1
28-0680	Brake Drum	18	13	2	42-7510	Pipe	33	4	2
28-1280	Boot - Cable	1	12	1	42-7520	Gasket - Rocker Cover	33	24	1
28-5220	Wheel - Friction	10	25	1	42-7540	Fitting - Water Outlet	33	15	1
28-9570	Pump Lever	22	51	1	42-7550	Gasket	33	9	2
29-6120	Pump Plate	22	3	1	42-7650	Connecting Rod Assembly	36	49	3
29-6150	Leaf Spring	22	46	1	42-7660	Bearing Set	36	60	3
29-6163	Micro Switch	22	2	1	42-7670	Bearing Set	36	*	3
29-6170	Extended Leaf Spring	22	7	1	42-7680	Bearing Set	36	*	3
29-8910	Washer	32	12	2	42-7690	Bearing Set	36	*	3
30-2120	Screw - Cap, Hex. Hd.	8	22	2	42-7700	Gear - Crankshaft	35	10	1
31-0390	Disc - Friction	12	31	1	42-7710	Crankshaft	36	59	1
33-2570	Radiator Assembly	5	16	1	42-7720	Pulley - Crankshaft	36	83	1
33-4380	Pump Hub	22	14	1	42-7730	Key - Woodruff	39	58	1
37-8770	Bolt - Shoulder	30	4	1	42-7730	Key - Woodruff	36	62	2
37-9550	Strap - Fuel Tank	15	7	1	42-7740	Nipple - Hose	33	11	1
37-9650	Trim	1	29	1	42-7780	Gear - Camshaft	39	57	1
38-1650	Fuel Gauge	3	5	1	42-7790	Idler Gear Assembly	39	56	1
38-1660	Ammeter	3	12	1	42-7810	Shaft - Injection Pump Cam	39	55	1
38-1670	Clamp Mounting	3	2	2	42-7820	Bearing - Ball	39	53	1
38-4530	Tool Box	2	36	1	42-7830	Gear - Injection Pump Cam	39	61	1
38-4550	Instrument Cover	1	19	1	42-7840	Key - Sunk	39	54	1
38-4600	Bar - Frame L.H.	5	22	1	42-7850	Retainer - Valve Spring	35	20	6
38-7820	Bearing	32	5	2	42-7860	Lock - Spring Retainer	35	21	12
39-8020	Trim - Instrument Cover	1	22	1	42-7870	Seal - Valve Stem	35	18	6
41-8760	Gasket Transmission	22	45	1	42-7880	Spring - Valve	35	19	6
42-6080	Shim	32	30	A/R	42-7890	Tappet	35	33	6
42-6080	Shim - Axle	15	30	A/R	42-7900	Valve - Intake	35	16	3
42-7030	Pin - Dowel	35	13	2	42-7910	Valve - Exhaust	35	17	3
42-7030	Pin - Dowel	38	47	2	42-7920	Rod - Push	35	32	6
42-7040	Seal - Side	36	65	4	42-7930	Spring - Rocker Shaft L.H.	35	41	1
42-7050	Guide - Oil Level Gauge	38	18	1	42-7940	Arm - Rocker	35	22	6
42-7060	Seal - Oil	36	55	1	42-7950	Washer - Seat	35	24	2
42-7080	Cap - Sealing	35	15	2	42-7960	Shaft Assembly - Rocker	35	40	1
42-7080	Cap - Sealing (25)	33	30	3	42-7970	Stay - Rocker	35	23	3
42-7090	Cap - Sealing	38	17	2	42-7980	Screw - Adjusting	35	30	6
42-7090	Cap - Sealing (45)	33	36	1	42-7990	Ring - Snap	35	43	2
42-7100	Bushing - Camshaft	36	79	1	42-8000	Pump Assy. - Fuel Injection	38	2	1

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
42-8010	Shim - 0.2 (.008 in.)	38 15 A/R	42-8920	Cover - Oil Pump	38 44 1
42-8020	Shim - 0.3 (.012 in.)	38 * A/R	42-8930	Spring - Relief	38 39 1
42-8030	Shim - 0.4 (.016 in.)	38 * A/R	42-8940	O-Ring	38 46 1
42-8040	Shim - 0.5 (.020 in.)	38 * A/R	42-8950	Gasket - Oil Pump Body	38 49 1
42-8050	Shim - 0.6 (.024 in.)	38 * A/R	42-8960	Driven Unit - Speedometer	37 * 1
42-8060	Shim - 0.7 (.028 in.)	38 * A/R	42-8970	Pin - Spring	35 35 1
42-8070	Shim - 0.8 (.032 in.)	38 * A/R	42-8980	Sleeve - Gear	35 36 1
42-8080	Shim - 0.9 (.036 in.)	38 * A/R	42-8990	O-Ring	35 37 1
42-8090	Shim - 1.0 (.039 in.)	38 * A/R	42-9010	O-Ring	35 34 1
42-8100	Collar - Union	38 4 1	42-9020	Plate - Locking	36 63 1
42-8120	Gasket - Nozzle Holder	33 35 3	42-9030	Filter Assembly - Oil	38 42 1
42-8130	Pipe Assy. - Fuel Injection	38 7 1	42-9060	Oil Pressure Switch Assy.	38 41 1
42-8140	Pipe Assy. - Fuel Injection	38 11 1	42-9070	Pulley - Water Pump	34 56 1
42-8150	Pipe Assy. - Fuel Injection	38 12 1	42-9080	Water Pump Assembly	34 60 1
42-8160	Clamp	38 8 2	42-9090	Gasket - Water Pump	34 61 1
42-8170	Clamp	38 13 2	42-9100	Belt Fan	30 21 1
42-8180	Fuel Return Pipe Assembly	38 33 1	42-9110	Gasket	33 41 1
42-8190	Joint	38 35 2	42-9120	Assembly - Intake Manifold	33 6 1
42-8220	Holder - Delivery Valve	42 16 3	42-9140	Gasket - Intake Manifold	33 7 1
42-8230	Spring - Delivery Valve	42 14 3	42-9150	Pipe Inlet	33 3 1
42-8240	Gasket - Delivery Valve	42 13 3	42-9160	Gasket - Inlet Pipe	33 5 1
42-8250	Delivery Valve Sub Assy.	42 12 3	42-9170	Gasket - Exhaust Manifold	33 39 1
42-8260	Element Sub Assembly	42 11 3	42-9180	Wire - Glow Plug Lead	33 26 2
42-8270	Sleeve - Plunger Control	42 22 3	42-9190	Glow Lamp	3 14 1
42-8280	Seat - Spring, Upper	42 23 3	42-9200	Complete Gasket Set	34 * 1
42-8290	Spring - Pump Plunger	42 24 3	42-9210	Bolt - Bearing Cap	36 67 8
42-8300	Tappet Sub Assembly	42 27 3	42-9220	Screw - Cap, Hex. Hd.	36 56 6
42-8310	Rack Assembly - Control	42 21 1	42-9230	Screw - Cap (8 x 16)	33 51 15
42-8320	Seat - Spring, Lower	42 25 3	42-9230	Screw - Cap, Hex. Hd.	38 32 2
42-8330	O-Ring	42 15 3	42-9230	Screw - Cap, Hex. Hd.	32 34 1
42-8340	Pin - Tappet Guide	42 19 3	42-9230	Screw - Cap, Hex. Hd.	36 81 3
42-8350	Plate	42 20 1	42-9240	Screw - Cap (12 x 28)	33 44 3
42-8360	Plate Assembly - Adjusting	42 18 2	42-9250	Screw - Cap, Hex. Hd.	35 14 4
42-8370	Screw - Air Breather	42 8 1	42-9260	Plug - Oil Drain	33 49 1
42-8380	Screw - Hollow	42 10 1	42-9300	Screw - Cap (10 x 20)	34 64 2
42-8390	Shim - Plate	42 26 A/R	42-9310	Screw - Cap Hex. Hd.	33 1 4
42-8400	Shim - Plate	42 * A/R	42-9320	Bolt - Cylinder Head	33 31 8
42-8410	Shim - Plate	42 * A/R	42-9330	Bolt - Cylinder Head	33 25 3
42-8420	Shim - Plate	42 * A/R	42-9350	Screw - Cap, Hex. Hd.	35 27 2
42-8430	Shim - Plate	42 * A/R	42-9360	Bolt	35 26 2
42-8440	Shim - Plate	42 * A/R	42-9370	Screw - Cap, Hex. Hd.	35 42 1
42-8450	Shim - Plate	42 * A/R	42-9390	Bolt (8 x 32)	33 33 6
42-8460	Spring Return	41 6 1	42-9400	Screw - Cap, Hex. Hd.	40 28 3
42-8620	Pin - Pressure	43 5 3	42-9420	Bolt - High Speed Set	40 3 1
42-8630	Spring - Pressure	43 4 3	42-9430	Screw - Cap, Hex. Hd.	40 14 3
42-8640	Nipple	43 10 3	42-9440	Screw - Cap, Hex. Hd.	35 39 1
42-8650	Nut - Retaining	43 8 3	42-9450	Bolt/Washer - Assembled	40 21 1
42-8660	Piece - Distance	43 6 3	42-9470	Bolt - Connecting Rod	36 50 6
42-8670	Flange	43 2 3	42-9480	Screw - Cap, Hex. Hd.	38 43 4
42-8680	Nozzle Assembly	43 7 3	42-9490	Screw - Cap (6 x 12)	34 58 4
42-8690	Metal - Sealing	40 1 1	42-9500	Screw - Cap (8 x 45)	34 55 3
42-8700	Wire	40 2 1	42-9500	Screw - Cap, Hex. Hd.	37 87 8
42-8710	Weight Assy. - Governor	40 16 1	42-9510	Screw - Cap (8 x 60)	34 59 1
42-8720	Sliding Shaft Assembly	40 13 1	42-9510	Screw - Cap, Hex. Hd.	30 46 2
42-8730	Governor Lever Assembly	40 20 1	42-9520	Screw - Cap (8 x 30)	33 43 5
42-8740	Spring - Tie Rod	40 11 1	42-9530	Screw - Cap (8 x 40)	34 66 1
42-8750	Tie Rod	40 12 1	42-9570	Stud (8 x 25)	33 38 5
42-8760	Governor Shaft	40 22 1	42-9580	Nut	30 19 2
42-8770	Lever - Governor Spring	40 8 2	42-9580	Nut	32 20 4
42-8780	Speed Control Lever Assy.	40 6 1	42-9580	Nut	39 64 1
42-8790	Cover Assembly	40 29 1	42-9580	Nut (8)	33 19 3
42-8800	Gasket Cover	40 30 1	42-9580	Nut - Jam	40 10 2
42-8810	Pin - Grooved	40 5 2	42-9590	Nut - Connecting Rod	36 61 6
42-8810	Pin - Grooved	40 32 1	42-9600	Washer - Lock	32 25 4
42-8820	Governor Spring	40 23 1	42-9600	Washer - Lock	30 40 3
42-8830	O-Ring	40 7 2	42-9600	Washer - Lock	34 65 2
42-8850	Oil Pump Assembly	39 * 1	42-9600	Washer - Lock	34 67 2
42-8860	Plunger - Relief	38 40 1	42-9600	Washer - Spring	35 25 3
42-8870	Plug	38 38 1	42-9620	Nut - Jam	35 29 6
42-8880	Gasket	38 37 1	42-9640	Nut - Jam	40 36 1
42-8900	Body - Oil Pump	38 48 1	42-9660	Washer - Flat	38 23 6
42-8910	Rotor Assembly - Oil Pump	38 45 1	42-9660	Washer - Plain (8)	34 54 4

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

3315-263

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
42-9670	Washer	43 9 3	43-2910	Plate - Ungleich Set	41 3 A/R
42-9680	Washer	43 3 A/R	43-2920	Plate - Ungleich Set	41 * A/R
42-9690	Washer	43 * A/R	43-2930	Plate - Ungleich Set	41 * A/R
42-9700	Washer	43 * A/R	43-2940	Plate - Ungleich Set	41 * A/R
42-9710	Washer	43 * A/R	43-2950	Plate - Ungleich Set	41 * A/R
42-9720	Washer	43 * A/R	43-3000	Plate - Smoke Set	41 7 A/R
42-9730	Washer	43 *3 A/R	43-3010	Plate - Smoke Set	41 * A/R
42-9740	Washer	43 * A/R	43-3020	Plate - Smoke Set	41 * A/R
42-9750	Washer	43 * A/R	43-3030	Plate - Smoke Set	41 * A/R
42-9770	Washer	42 9 1	43-3040	Plate - Smoke Set	41 * A/R
42-9790	Washer - Head Bolt	33 32 8	43-3050	Plate - Smoke Set	41 * A/R
42-9800	Washer	33 20 2	43-3060	Plate - Smoke Set	41 * A/R
42-9810	Washer - Flat	37 86 1	43-3070	Plate - Smoke Set	41 * A/R
42-9820	Washer	39 73 1	43-3080	Plate - Smoke Set	41 * A/R
42-9830	Washer - Seal	38 3 2	43-3090	Plate - Smoke Set	41 * A/R
42-9850	Washer - Lock	33 2 24	43-3100	E-Ring	41 1 1
42-9850	Washer - Lock	35 7 11	43-3110	Spring - Ungleich Set	41 2 1
42-9850	Washer - Lock	40 9 2	43-3120	Washer - Seal	40 27 1
42-9850	Washer - Lock	38 31 7	43-3130	Hose - Water	33 13 1
42-9860	Washer - Spring	36 85 1	43-3140	Clamp - Hose	33 12 2
43-0080	Nut - Set	44 10 1	43-3150	Bolt/Washer Assembled	42 17 2
43-0090	Screw - Cap (10 x 25)	33 48 2	43-3160	Screw - Adjusting	40 33 1
43-0110	Screw - Cap, Hex. Hd.	38 14 4	43-3190	Screw - Cap, Hex. Hd.	30 41 3
43-0120	Screw - Set	44 3 1	43-3200	Screw - Cap, Hex. Hd.	32 24 4
43-0130	Screw - Set	44 19 1	43-3210	Screw - Cap, Hex. Hd.	30 28 4
43-0190	Spring Set	45 4 1	43-3320	Foam - Radiator	5 20 2
43-0370	Shim	39 65 AIR	43-3330	Radiator Shroud	5 14 1
43-0380	Spacer	39 66 1	43-3340	Grille - Sealing Plate	5 32 1
43-0390	Alternator	39 67 1	43-3350	Hose - Upper, Radiator	5 12 1
43-0400	Brace - Alternator	39 71 1	43-3510	Pulley - Engine	30 27 1
43-0410	Regulator Assembly	3 25 1	43-3530	Pulley Flywheel	32 26 1
43-0420	Pulley Assembly	44 2 1	43-3690	Fan - Shaft	32 2 1
43-0430	Bracket Assembly Front	44 4 1	43-3700	Hub-Fan	32 4 1
43-0440	Bearing - Front	44 5 1	43-3720	Collar - Bearing	30 32 1
43-0450	Rotor Assembly	44 7 1	43-3730	Bracket Throttle Control	30 52 1
43-0460	Bearing - Rear	44 8 1	43-3760	Lever Throttle	31 54 1
43-0470	Stator	44 9 1	43-3770	Link - Throttle	30 1 1
43-0480	Rear Bracket Assembly	44 14 1	43-3780	Swivel - Throttle Control	30 9 1
43-0490	Holder Assembly Brush	44 11 1	43-3790	Bracket Belt Guide	30 48 1
43-0500	Brush	44 12 2	43-3800	Bushing - P.T.O. Fork	8 23 2
43-0510	Spring - Brush	44 15 1	43-3810	Tube - Air Cleaner	46 18 1
43-0520	Rectifier Assembly	44 13 1	43-3820	Spacer	3 34 1
43-1440	Engine	30 13 1	43-3830	Hose - Air Cleaner	46 10 1
43-1710	Valve Assembly	26 13 1	43-3850	Muffler	32 17 1
43-1730	Body	29 7 1	43-3860	Shaft - Pivot P.T.O.	8 9 1
43-1770	Plate - Rear	33 46 1	43-3870	Support - Muffler	32 8 1
43-1780	Thermostat	33 14 1	43-3880	Pulley	32 10 1
43-1790	Fitting - Thermostat	33 10 1	43-3900	Guard - Fan Belt	7 5 1
43-1800	Flywheel	36 53 1	43-3970	Panel - Instrument	3 16 1
43-1810	Gear - Ring	36 54 1	43-3980	Decal - Panel, Instrument	3 46 1
43-1870	Manifold - Exhaust	33 42 1	43-3990	Throttle Control	3 23 1
43-1880	Control Unit Assembly	3 27 1	43-4000	Circuit Breaker	3 21 1
43-1890	Screw	44 18 1	43-4010	Wire Assembly	4 4 2
43-1900	Screw - Cap, Hex. Hd.	39 68 1	43-4040	Wire Assembly	4 3 1
43-1910	Fan - Cooling	32 1 1	43-4150	Fuel Tank	15 4 1
43-1920	Nut Set	44 1 1	43-4160	Fitting - Return & Vent	15 13 1
43-1940	Adapter - Temp. Gauge	30 11 1	43-4190	Fitting Assembly	15 28 1
43-2550	Filter	6 15 1	43-4230	Hose	31 56 1
43-2560	Gasket	6 16 1	43-4230	Hose Return	15 15 1
43-2570	Gasket	6 14 1	43-4290	Decal - Starting Instructions	1 20 1
43-2580	Magnet	6 17 1	43-4300	Trim - Rear Frame	1 32 2
43-2600	Capscrew	38 10 2	43-5500	Pivot P.T.O.	8 31 1
43-2710	O-Ring	38 19 1	43-5540	Shaft P.T.O.	8 43 1
43-2720	Mold	44 16 1	43-5550	Shaft - Actuator P.T.O.	8 32 1
43-2730	Solenoid - Tubular	40 17 1	43-5570	Arm, Actuator - P.T.O.	8 38 1
43-2740	Gasket	40 19 1	43-5590	Arm - P.T.O.	8 30 1
43-2750	Nut	40 18 1	43-5610	Fork P.T.O.	8 24 1
43-2770	Lever - Stop	40 35 1	43-5630	Yoke - P.T.O.	8 51 1
43-2800	Screw - Cap, Hex. Hd.	40 24 1	43-5690	Hose - Vent, Fuel Tank	15 16 1
43-2820	Sealing Cap	40 25 1	43-5910	V-Belt	32 11 1
43-2830	Nut	40 4 1	43-5920	Washer - Lock	44 17 1
43-2900	Retainer - Oil Level Guide	38 20 1	43-5920	Washer - Lock	39 63 1

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
43-5930	Washer - Lock	40 15 7	46-7670	Armature Set	45 8 1
43-5930	Washer - Lock	35 28 2	46-7680	Bearing - Front	45 7 1
43-5930	Washer - Lock	34 57 4	46-7690	Bearing - Rear	45 9 1
43-5950	Washer - Lock	30 26 4	46-7700	Bolt Set	45 15 1
43-5960	Nut - Special	40 26 1	46-7710	Shaft Assembly - Clutch	45 * 1
43-5970	Nut	39 62 1	46-7720	Pinion Set	45 19 1
43-6240	Shim - Plate	42 * A/R	46-7730	Snap Ring	45 20 1
43-6470	Nut	36 84 1	46-7740	Gear Set	45 * 1
43-6510	Gear & Pinion Assembly	17 * 1	46-7750	Shaft Assembly Pinion	45 18 1
43-6550	Snap Ring	16 21 1	46-7760	Gear	45 17 1
43-6710	Adjustment Shim .003	16 15 A/R	46-7770	Cover Set	45 16 1
43-6711	Adjustment Shim .005	16 16 A/R	46-7780	Yoke Assembly	45 11 1
43-6712	Adjustment Shim .010	16 17 A/R	46-7790	Brush Holder Assembly	45 13 1
43-6713	Adjustment Shim .030	16 18 A/R	46-8030	Spring - Brush	45 12 4
43-6750	Roller Bearing Cup	16 10 1	46-8040	Bracket - Rear	45 14 1
43-6760	Roller Bearing Cone	16 9 1	46-8050	Packing	45 10 1
43-6800	Nut - Lock	18 18 8	46-8400	Needle Bearing	25 53 2
43-6810	Torque - Spider	18 6 2	46-8410	Motor Shaft	25 58 1
43-6840	Lower Housing	17 34 1	46-8810	Stop - Leaf Spring	23 56 1
43-7020	Hose - Lower, Radiator	5 19 1	46-8840	Spring - Lift Arm	47 14 1
43-8600	Spring - Compression	7 25 1	47-7420	Hose	31 55 1
43-8600	Spring - Compression	9 66 1	48-1800	Cylinder Block Kit	24 5 2
43-8610	Guide - Spring & Ball Seat	8 5 1	48-1980	Gasket	36 78 1
43-8610	Guide - Spring & Ball Seat	7 24 1	48-1990	Nut - Jam	36 77 1
43-8620	Guide - Switch Pin	7 27 1	48-2010	Screen - Assembly Oil	36 76 1
43-8620	Guide - Switch Pin	9 68 1	48-2020	Cylinder Block Sub Assy.	34 62 1
43-8860	Plunger - Switch	7 26 1	49-2280	Decal - Diesel Fuel	1 31 1
43-8860	Plunger - Switch	9 67 1	49-7990	Cap - Shipping	35 31 1
43-8870	Boot - Switch	7 30 1	53-4430	Decal - Oil	15 42 1
43-8870	Boot - Switch	9 71 1	53-8150	Pump Assy. Fuel, Electric	6 13 1
44-2210	Warning Light	3 8 1	53-9480	Washer	32 28 2
44-2220	Wire Lead	3 6	53-9480	Washer	30 39 2
44-2230	Rubber Coupling	22 17	53-9660	V-Belt Torque Team	8 12 1
44-8070	Nozzle & Holder Assembly	33 34 3	53-9680	Engine Mount - Rubber	30 23 2
44-8080	Body	43 1 3	53-9680	Engine Mount - Rubber	32 29 2
44-8090	Lever Assembly Stop	40 31 1	53-9710	Engine Mount	30 22 2
44-8100	Spring Return	40 34 1	53-9750	Fan Mount	32 6 1
46-2210	Shim - Front Pinion Bearing	16 22 A/R	54-7890	Pump Housing	24 22 1
46-2211	Shim - Front Pinion Bearing	16 * A/R	54-8650	Screw - Cap, Flange Hd.	39 70 1
46-2212	Shim - Front Pinion Bearing	16 *22 A/R	54-8660	Washer	39 69 1
46-2213	Shim - Front Pinion Bearing	16 * A/R	54-8670	Bolt - Flywheel	36 52 5
46-2214	Shim - Front Pinion Bearing	16 * A/R	54-8680	Shim - Plate	42 * A/R
46-2215	Shim - Front Pinion Bearing	16 * A/R/	54-8690	Shim - Plate	42 * A/R
46-2216	Shim - Front Pinion Bearing	16 * A/R	54-8700	Plate - Smoke Set	41 * A/R
46-2220	Shim - Front Pinion Bearing	16 * A/R	54-8710	Plate - Smoke Set	41 * A/R
46-2221	Shim - Front Pinion Bearing	16 * A/R	54-8730	Plate - Smoke Set	41 * A/R
46-2222	Shim - Front Pinion Bearing	16 * A/R	54-8740	Plate - Smoke Set	41 * A/R
46-2223	Shim - Front Pinion Bearing	16 * A/R	54-8750	Plate - Smoke Set	41 * A/R
46-2224	Shim - Front Pinion Bearing	16 * A/R	54-8760	Plate - Smoke Set	41 * A/R
46-2225	Shim - Front Pinion Bearing	16 * A/R	54-8770	Plate - Smoke Set	41 * A/R
46-2226	Shim - Front Pinion Bearing	16 * A/R	54-8780	E-Ring	41 5 1
46-2410	Shim - Front Pinion Bearing	16 * A/R	54-9040	Yoke - End (Split)	9 63 1
46-2411	Shim - Front Pinion Bearing	17 *22 A/R	54-9180	Kit - U-Joint	9 58 2
46-2412	Shim - Front Pinion Bearing	17 * A/R	54-9290	Bracket	22 29 2
46-2413	Shim - Front Pinion Bearing	17 * A/R	54-9300	Cover	22 28 1
46-2414	Shim - Front Pinion Bearing	17 * A/R	55-3572	Fuel Cap	15 18 1
46-2415	Shim - Front Pinion Bearing	17 * A/R	56-0960	Plate - Smoke Set	41 *7 A/R
46-2416	Shim - Front Pinion Bearing	17 * A/R	56-2460	Washer	19 45 A/R
46-2420	Shim - Front Pinion Bearing	17 * A/R	56-7980	Sleeve - Protective	15 24 1
46-2421	Shim - Front Pinion Bearing	17 * A/R	59-9740	Flexible Draw Latch	5 18 1
46-2422	Shim - Front Pinion Bearing	17 * A/R	60-9760	Nut - Hex.	27 7 1
46-2423	Shim - Front Pinion Bearing	17 * A/R	60-9760	Nut - Hex	28 7 1
46-2424	Shim - Front Pinion Bearing	17 * A/R	60-9770	Piston	27 6 1
46-2425	Shim - Front Pinion Bearing	17 *22 A/R	60-9780	Head	27 5 1
46-2426	Shim - Front Pinion Bearing	17 * A/R	61-3610	Warning Decal	47 12 3
46-6390	Drive Coupling	22 18 1	61-4960	Seal Repair Kit	27 3 1
46-7610	Assembly - Starter	33 47 1	61-4980	Shaft - w/Clevis	27 2 1
46-7620	Screw - Set	45 1 1	61-4990	Ring - Retaining	27 4 1
46-7630	Bracket Assembly - Front	45 2 1	62-3010	Bracket, R.H.	7 4 1
46-7640	Lever Assembly	45 3 1	62-3020	Bracket L.H.	7 10 1
46-7650	Bracket Assembly - Center	45 5 1	62-3290	Shaft - Slip Yoke	9 60 1
46-7660	Switch Assembly	45 6 1	62-3730	Screw - Cap, w/Washer	35 8 2

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

3315-263

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
62-3740	Plate - Front	35 6 1	67-8130	Support - Axle	19 6 1
62-3790	Tube - Slip Yoke	9 62 1	67-8170	Pin - Rear Axle	19 3 1
62-3800	Yoke - End	9 57 1	67-8190	Bracket - Engine Support	7 12 2
62-3820	Fitting - Grease	9 59 2	67-8690	Support - Column	12 7 1
62-4250	Cylinder - Hydraulic	26 21 1	67-9030	Grille	5 36 1
62-4290	O-Ring	25 54 2	67-9080	Motor Housing	24 4 1
62-6840	Sender - Fuel Level	15 12 1	67-9090	Plug	24 42 1
62-6940	Cap	40 37 1	67-9100	Gasket	24 10 1
62-7020	23x10.5x12 Tire Assembly	15 * 2	67-9160	Axle - Rear	19 35 1
62-7650	Gasket	15 8 1	67-9410	Washer - Flat	19 10 2
63-1400	Belt Guide	31 58 1	67-9800	Bumper	47 37 1
63-7590	Relay	3 42 1	68-5140	Cap - Wheel, Steering	12 46 1
63-8280	Head Assembly	6 5 1	68-5370	Decal - Toro	12 1 1
63-8290	Vent	6 3 1	68-8610	Fender - Extension	2 43 1
63-8300	Element - Fuel Filter	6 10 1	68-8660	Elbow	22 31 1
63-8310	Drain Valve	6 11 1	68-8990	Head - Filter	22 33 1
63-8360	Key	3 11 1	68-9110	Shim	32 37 A/R
63-8960	Hose Assembly	5 30 1	68-9111	Shim	32 * A/R
63-8970	Hose - Trans. to Steering	12 14 1	68-9112	Shim	32 * A/R
63-8980	Hose - Aux. to Valve	12 22 1	68-9160	Bracket	5 27 1
63-8990	Hose	26 15 1	68-9650	Hose - Axle	22 37 1
63-8990	Hose	12 23 1	68-9710	Hose - Steering Cylinder	15 43 2
63-9010	Hose Assembly	5 24 1	68-9720	Hose - Cylinder to Steering	12 19 1
63-9170	Spindle Assembly L.H.	19 33 1	68-9730	Hose - Steering to Cylinder	12 18 1
63-9180	Spindle Assembly R.H.	19 1 1	68-9760	Fuel Tank Base	15 2 1
63-9220	Steering Pivot	19 38 1	70-1180	Cable - Battery Positive	1 13 1
63-9240	Cylinder - Hydraulic	19 16 1	70-1190	Cable-Ground	3 43 1
63-9250	Valve - Steering, Power	12 25 1	70-1190	Ground Cable	4 5 1
63-9260	Manifold - Valve	26 17 1	70-1380	Sleeve - Protective	12 17 1
63-9640	Hose Fuel	15 27 1	70-1390	Sleeve - Protective	12 15 1
63-9650	Hose	6 20 1	70-2200	Decal - Toro	1 2 1
63-9720	Hose	6 7 1	70-2620	Elbow - 90°	22 38 1
65-2970	Line - Gas	26 22 1	71-3580	Hose - (Valve to Cylinder)	26 19 1
66-1250	Cylinder - Hydraulic	26 * 1	71-4370	Transmission - Inline	22 42 1
66-1910	Piston Rod Assembly	21 4 1	71-4540	Washer - Thrust	19 8 A/R
66-1930	Nut - Lock	21 6 1	71-4850	Cover Flywheel Guard	20 51 1
66-1940	Piston	21 5 1	72-3690	Fender	2 41 2
66-1950	Gland	21 3 1	72-3750	Ball Bearing	24 2 1
66-1960	Seal Kit	21 2 1	72-4200	Ring - Set - Piston Std.	35 44 3
66-3240	Radiator Cap Assy.	5 4 1	72-4210	Ring Set - Piston	35 45 3
66-5310	Idler Pulley	32 18 1	72-4220	Ring Set - Piston	35 46 3
66-5320	Spacer	32 19 1	72-4230	Ring Set - Piston	35 47 3
66-6140	Decal - Toro	5 7 1	72-4240	Piston & Piston Pin Std.	36 48 3
66-6370	Lift Arm	47 1 1	72-4250	Piston & Piston Pin	36 * 3
66-6390	Decal - Caution	1 3 1	72-4260	Piston & Piston Pin	36 *48 3
66-7030	Screw - Cap, w/Washer	32 32 2	72-4270	Piston & Piston Pin	36 * 3
66-7150	Push Arm R.H.	47 9 1	72-4280	Camshaft	39 59 1
66-9760	Nut - Hex.	12 2 1	72-4290	Assembly - Head, Cylinder	33 8 1
66-9770	Seal	13 28 1	72-4320	Switch - Ball	8 3 1
66-9780	Bushing	13 29 1	72-4320	Switch - Ball	7 20 1
66-9850	Bolt - Special	13 36 4	72-9420	Vent Tube Assembly	17 39 1
66-9860	Upper Cover & Jacket	13 37 1	74-0720	Tube - Manual	7 2 1
66-9870	Plate - Retaining	13 38 1	74-9510	Washer	25 60 4
66-9880	Washer - Retaining Plate	13 39 1	75-0560	Steering Wheel Assembly	12 3 1
66-9890	Ring - Retaining	13 40 1	75-9560	Pump Shaft	24 20 1
66-9900	Shaft - Input	13 41 1	75-9900	Engine Support - Front	30 29 1
66-9970	Spring Kit	13 * 1	76-1900	O-Ring	24 18 2
66-9980	Seal Kit	13 * 1	77-3100	Decal - Warning	5 11 3
66-9990	Needle Roller Kit	13 * 1	77-3120	Bracket - Mount, Column	12 9 1
67-1700	Decal - Starting Fluid	46 19 1	77-3140	Engine Mount	32 22 1
67-1710	Decal - Caution	1 30 1	80-2880	Bracket - Steering, Tilt	12 40 1
67-1720	Decal - Torque	2 42 2	80-2890	Handle - Steering, Tilt	12 34 1
67-1750	Bushing	19 4 6	80-2930	Washer	12 39 1
67-5450	Piston	28 6 1	80-2940	Plate - Pivot	12 29 1
67-5460	Head	28 5 1	80-2960	Spacer - Tower	12 10 2
67-5470	Ring - Retaining	28 4 1	80-2970	Pin - Steering, Tilt	12 33 1
67-5480	Shaft	28 2 1	80-2980	Boss - Pin	12 32 1
67-5500	Repair Kit	28 3 1	80-3330	Gasket	46 12 1
67-7250	Spacer - Ring	19 14 1	82-2590	Plug - Thrust	37 88 1
67-8050	Needle Bearing	24 35 1	82-8650	Clamp - Half	12 37 1
67-8060	Lip Seal	24 36 1	82-8660	Cover - Tower	12 5 1
67-8110	Oil Filter	22 34 1	82-8670	Rod - Brake Latch	10 10 1

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
82-8760	Elbow	12	12	1	237-42	O-Ring	23	57	2
82-8770	Elbow	12	21	1	237-78	O-Ring	26	32	2
82-8930	Decal - Parking Brake	10	12	1	237-80	O-Ring	22	30	1
82-8940	Decal - Steering, Tilt	12	44	1	237-80	O-Ring	24	33	1
82-8970	Decal - Engine Coolant	5	3	1	237-81	O-Ring	22	32	3
82-9010	Disc - Friction	12	38	1	237-86	O-Ring	24	7	4
82-9970	Frame	2	40	1	237-95	O-Ring	24	41	1
83-7260	Relief Valve Cone	24	31	2	241-119	Dust Cap	19	20	2
84-4890	Drive Shaft Assembly	9	*	1	242-34	Axle Flange Stud	18	11	10
84-5330	Bracket - Hood Prop	5	40	1	242-50	Nut - Wheel	19	21	10
84-5380	Strap - Hood Prop	5	41	1	249-21	Hook Clamp	1	16	3
84-8500	Lever - P.T.O.	8	2	1	249-40	Keeper	5	10	1
84-8520	Bracket - P.T.O. Switch	8	6	1	2412-3	Hose - Clamp	46	9	1
84-8600	Shoe & Lining Assembly	18	9	1	2412-3	Hose Clamp	5	5	4
84-8610	Decal - 325D	5	8	2	2412-4	Clamp	15	23	1
86-7040	Rod - Seat Prop	7	32	1	2412-4	Clamp	1	27	3
86-7050	Bracket - Switch Actuator	9	73	1	2412-6	Clamp	15	17	2
86-7220	Gear Transmission Output	22	44	1	2412-31	Clamp - Bodine	30	6	1
86-7230	Spur-Gear	16	14	1	2412-34	Clamp - Hose	22	36	2
86-8100	Ball Joint Assembly	47	33	2	2412-36	Clamp	12	24	2
86-9410	Bracket - Seat Support	5	45	1	2412-36	Clamp Hose	26	16	1
86-9580	Upper Housing	17	26	1	2412-39	Clamp	5	31	1
86-9600	Differential Assembly	15	35	1	2412-39	R-Clamp	15	25	2
88-0070	Floor Plate	2	48	1	2412-42	Hose Clamp	46	11	1
88-0470	Tube - Pedal Spacer	11	49	1	2412-61	Clip - Tinnerman	1	25	2
88-0530	Pedal - Traction	10	18	1	2412-74	Clamp	2	35	1
88-1640	Pin - Traction Pedal	10	20	1	2412-79	Clamp	15	14	1
88-1650	Shaft - Traction Pedal	10	22	1	2412-79	Clamp	30	15	1
88-1670	Bracket - Pivot	10	23	1	2412-79	Clamp - Hose	38	34	8
88-1680	Bracket - Footrest	10	48	1	2412-108	Clamp - Hose	26	28	2
88-1710	Footrest	11	50	1	2412-108	Clamp - Worm Drive	30	14	1
88-1720	Pad - Footrest	11	51	1	2412-108	Hose Clamp	6	1	5
88-1730	Pad - Front Pedal	10	47	1	2412-133	R-Clamp	7	3	2
88-1740	Pad - Pedal	10	19	1	251-8	Ball Bearing	24	46	1
88-1790	Wire Harness Assembly	4	2	1	251-234	Lock Collar	8	41	2
88-1820	Radiator Support	5	35	1	251-252	Ball Bearing	30	33	1
212-93	Wire Clip	7	18	2	251-252	Ball Bearing	8	40	2
212-93	Wire Clip	9	53	1	251-259	Ball Bearing	22	5	1
217-106	Wheel	19	22	2	252-82	Needle Bearing	24	23	2
217-116	Rim - 23x10.5x12	15	*	2	253-129	Closure	19	31	2
217-117	Rim	15	33	2	254-65	Cone - Tapered Bearing	17	28	2
218-461	Nut - Jam	7	29	2	254-66	Cup - Tapered Bearing	17	27	2
218-461	Nut - Jam	9	70	2	254-72	Cup - Bearing	19	29	4
218-473	Toggle Switch Boot	3	17	1	254-90	Bearing Cup	17	24	1
218-515	Mounting Bracket	3	39	1	254-91	Bearing Cone	17	23	1
218-533	Lens	3	9	1	254-94	Cone - Bearing	19	28	4
218-539	Clamp	3	13	1	256-10	Bushing	10	43	4
231-90	Tube - Inner	15	*	2	256-113	Bushing - Flange	8	47	4
231-95	Tire - 23x10.5x12	15	*	2	256-121	Bushing - Thrust	19	34	2
231-101	Tire	15	31	2	256-126	Bushing	47	16	6
231-105	Tire	19	24	2	256-156	Bushing	10	6	5
232-27	Valve Stem	15	*	1	256-242	Bushing	19	41	2
232-31	Valve Stem w/Cap	19	23	2	281-1	Plug - Taper	38	16	1
232-31	Valve Stem w/Cap	15	34	2	283-8	Clevis Pin	8	26	1
233-17	Knob	10	11	1	283-10	Pin	47	40	3
233-21	Knob	26	3	1	283-17	Pin	26	26	1
233-21	Knob - Handle	12	35	1	283-42	Clevis Pin	8	7	1
233-35	Knob	3	7	2	283-58	Clevis Pin	10	14	2
237-7	Seal - O-Ring	7	28	1	283-76	Pin - Lynch	5	39	1
237-7	Seal - O-Ring	9	69	1	285-17	Pipe Plug	24	12	6
237-22	O-Ring	19	13	2	289-37	Pipe Nipple	15	40	1
237-22	O-Ring	24	13	1	2811-9	Street Elbow	15	39	1
237-22	O-Ring	12	20	3	302-2	Grease Fitting	8	39	1
237-22	O-Ring	26	29	2	302-5	Fitting - Grease	19	19	3
237-22	O-Ring	23	58	1	302-5	Fitting - Grease	10	44	2
237-30	O-Ring	12	13	3	302-5	Grease Fitting	47	13	1
237-30	O-Ring	26	30	2	302-5	Grease Fitting	47	34	2
237-30	O-Ring	23	59	1	302-10	Grease Fitting	8	10	1
237-30	Seal - O-Ring	8	4	1	302-10	Grease Fitting	30	31	1
237-30	Seal - O-Ring	7	23	1	302-11	Fitting - Grease	19	36	1
237-42	O-Ring	29	2	2	302-33	Grease Fitting	47	28	2
237-42	O-Ring	26	31	2	302-55	Fitting - Grease	27	1	2

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

3315-263

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

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. Ref.		Part No.	Description	Pg. Ref.			
		No.	Qty.			No.	Qty.		
3256-64	Washer - Flat	30	25	4	32121-15	Roll Pin	17 30	1	
3257-5	Woodruff Key	8	11	3	32121-16	Pin - Roll	10	24	1
3257-30	Key - Woodruff	32	3	2	32121-24	Pin - Roll	23	55	1
3257-32	Woodruff Key	22	15	1	32121-34	Pin - Roll	8	45	2
3257-32	Woodruff Key	24	21	1	32121-73	Pin - Slotted Spring	26	9	1
3257-33	Key Woodruff	30	30	1	32121-84	Roll Pin	47	25	2
3258-19	Screw - Mach. Rd. Hd.	46	16	2	32121-91	Pin - Coil Spring	24	49	3
3272-5	Cotter Pin	10	7	3	32128-17	Nut - Lock, Flange Hd.	3	26	3
3272-6	Cotter Pin	26	8	1	32128-20	Nut - Flange	46	21	4
3272-6	Cotter Pin	10	21	6	32128-20	Nut - Flange	15	37	3
3272-10	Cotter Pin	8	8	1	32128-20	Nut - Flange	12	41	1
3272-10	Cotter Pin	47	38	3	32128-20	Nut - Hex. Hd. Flange	5	2	11
3272-10	Cotter Pin	23	54	1	32128-20	Nut - Lock, Flange	2	37	1
3272-11	Cotter Pin	47	2	2	32128-21	Nut - Flange Hd.	5	28	3
3272-11	Cotter Pin	8	28	1	32128-21	Nut - Lock, Flange	1	5	10
3272-13	Pin - Cotter	19	26	2	32128-23	Nut - Lock, Flange	19	5	4
3272-16	Cotter Pin	32	14	2	32128-23	Nut - Lock, Flange	32	16	1
3272-22	Cotter Pin	8	17	2	32128-23	Nut - Lock, Flange	30	24	2
3272-24	Cotter Pin	47	10	1	32128-25	Nut - Flange Lock	11	53	2
3272-33	Cotter Pin	47	17	1	32128-33	Nut - Lock, Flange	2	39	5
3274-47	Screw - Flat Hd. Socket	10	33	1	32128-37	Nut - Lock, Flange	32	23	2
3290-134	Screw - Hex. Hd. Mach.	3	4	2	32128-37	Nut - Lock, Flange	30	44	2
3290-144	Screw - Machine	1	17	6	32128-42	Nut - Flange Lock	47	27	4
3290-224	Washer - Lock	31	59	1	32128-45	Nut - Lock	19	37	2
3290-271	Rivet	5	9	4	32136-2	Nut	47	3	2
3290-357	Nut - Lock, Flange	32	7	8	32136-3	Nut - Hex. Slotted	32	13	2
3290-357	Nut - Lock, Flange	7	14	6	32136-5	Nut - Slotted	19	25	2
3290-357	Nut - Lock, Flange	1	26	5	32144-10	Screw - Cap, Thd. Forming	20	52	2
3290-357	Nut - Lock, Flange	30	43	7	32144-10	Screw - Hex. Hd. Self Tap	12	6	6
3290-378	Cable Tie	6	8	A/R	32144-10	Screw - Hex. Hd. Self Tap	7	33	2
3290-378	Cable Tie	1	23	2	32144-10	Screw - Self Tapping	26	4	2
3290-379	Cable Tie	30	16	1	32144-10	Screw - Self-Tapping	5	1	5
3290-379	Cable Tie	5	29	4	32144-10	Screw, Self-Tapping	2	45	11
3290-379	Cable Tie	3	41	1	32144-21	Screw	12	45	1
3290-379	Tie - Cable	12	16	3	32144-53	Screw - Thread Forming	15	11	5
3290-424	Screw - Hex. Hd. Mach.	3	28	1	32144-67	Screw - Hex. Hd. Self Tap	15	36	4
3296-2	Nut	1	14	6	32146-20	Nut - Lock	19	9	1
3296-4	Nut - Lock	12	30	4	32149-2	Nut	6	9	2
3296-6	Nut - Lock	8	34	1	32149-2	Nut	6	22	2
3296-16	Nut - Lock	5	44	1	32149-2	Nut	10	37	1
3296-16	Nut - Lock	9	74	1	32149-2	Nut - Lock	3	33	3
3296-20	Nut - Lock	30	5	1	32151-36	Ring - Retaining	19	12	3
3296-20	Nut - Lock	15	22	2	32151-46	Retaining Ring	24	27	2
3296-28	Nut - Lock	8	27	1	32152-1	Nut - Lock	22	19	8
3296-29	Nut - Lock	22	4	1	32152-1	Nut - Lock, Flange	30	12	1
3296-29	Nut - Lock	12	36	2	32153-2	Nut - Hex.	12	11	2
3296-29	Nut - Lock	9	64	2	32153-2	Nut - Lock	10	30	2
3296-42	Nut - Lock	22	10	6	32153-2	Nut - Lock	31	57	1
3296-42	Nut - Lock	26	10	5	340-54	Fitting 45°	19	15	2
32103-2	Nut - Wing	1	11	3	340-70	Nut - Lock, Bulkhead	5	26	2
32103-2	Nut - Wing	5	37	2	340-71	Union - Bulkhead	5	25	2
32104-6	Screw - Hex. Hd. Tapping	9	56	4	340-77	Elbow	22	12	1
32104-6	Screw - Self Tapping	15	1	2	340-97	Fitting - 90°	26	25	1
32104-96	Screw - Cap, Hex. Hd.	15	6	1	340-99	Elbow	22	13	1
32104-116	Screw - Self Tapping	5	17	8	340-99	Fitting - 90° Elbow	26	12	1
32107-11	Nut	46	14	2	340-110	Elbow - 90°	26	24	1
32120-8	Retaining Ring	24	1	1	340-112	Elbow - 90°	26	18	1
32120-11	Retaining Ring	24	47	1	353-508	Plug - Drain	22	41	1
32120-15	Retaining Ring	24	45	1	353-512	Plug	26	1	1
32120-22	Ring - Retaining	8	42	2	353-550	Plug - Hex. Hd.	24	19	2
32120-22	Ring - Retaining, Internal	30	34	1	353-551	Plug - Hex. Hd.	24	32	1
32120-69	Ring - Retaining, External	30	35	1	353-702	Hose Barb	6	18	1
32120-72	Ring - Retaining External	22	43	1	353-975	Hose Barb	6	6	1
32121-6	Pin - Roll	22	11	1	353-987	Elbow	22	35	1
32121-9	Pin - Roll	8	49	1					

\*Not Illustrated



## PRODUCT CHANGES

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

## IDENTIFICATION AND ORDERING

### MODEL AND SERIAL NUMBERS

The 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.

# TABLE OF CONTENTS

Description	Page	Description	Page
Main Frame .....	1-2	Hydrostatic Transmission .....	22-23
Instrument Panel Assembly .....	3	Transmission Assembly No. 48-1790 .....	24-25
Electrical Schematic .....	4	Valve and Cylinder Assembly .....	26
Radiator & Hood Assembly .....	5	Hydraulic Lift Cylinder Assembly	
Fuel Filter Assembly .....	6	No. 62-4250 (2-1/2" Bore) .....	27
Interlock Assembly .....	7	Hydraulic Lift Cylinder Assembly	
Power Take Off Assembly .....	8-9	No. 66-1250 (3" Bore) (Opt.) .....	28
Brake Pedal Assembly .....	10-11	Control Valve Assembly No. 43-1710 .....	29
Power Steering Assembly .....	12	Engine Assembly .....	30-40
Power Steering Valve Assembly		Fuel Injection Pump Assembly	
No. 63-9250 .....	13	No. 42-8000 .....	41-42
Hydraulic Schematic .....	14	Nozzle and Holder Assembly	
Front Axle and Fuel Tank Assembly .....	15	No. 44-8070 .....	43
Differential Assembly No. 86-9600 .....	16-17	Alternator Assembly No. 43-0390 .....	44
Brake Assembly .....	18	Starter Assembly No. 46-7610 .....	45
Rear Axle and Wheel Assembly .....	19-20	Air Cleaner Assembly .....	46
Hydraulic Steering Cylinder Assembly		Push Arm Assembly .....	47
No. 63-9240 .....	21	TORO Part Number Index .....	48-56

