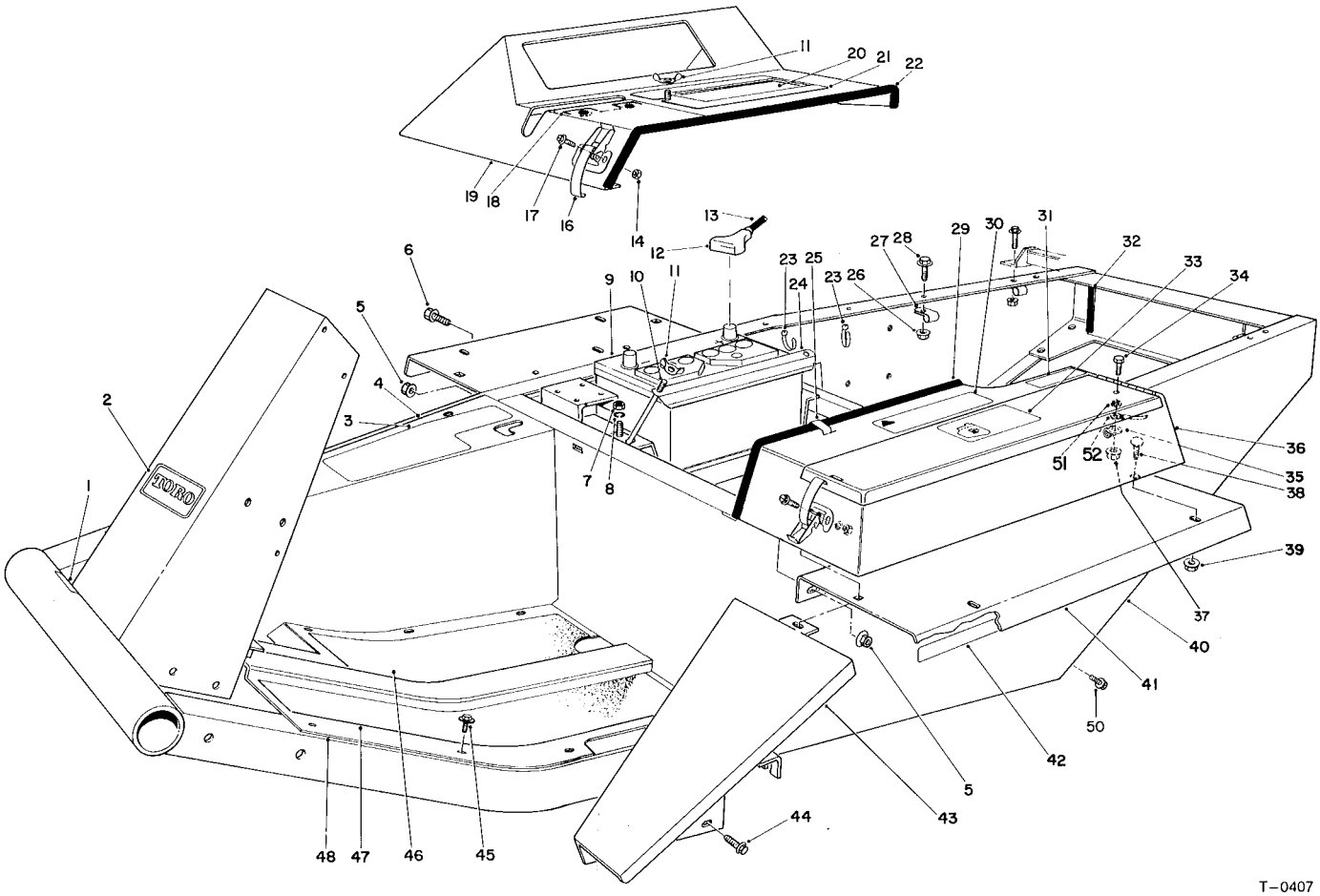
FORM NO. 3315–263

TORO®

MODEL NO. 30788–30001 & UP

PARTS CATALOG

GROUNDSMASTER® 325D
TRACTION UNIT & ACCESSORIES



T–0407

MAIN FRAME ASSEMBLY

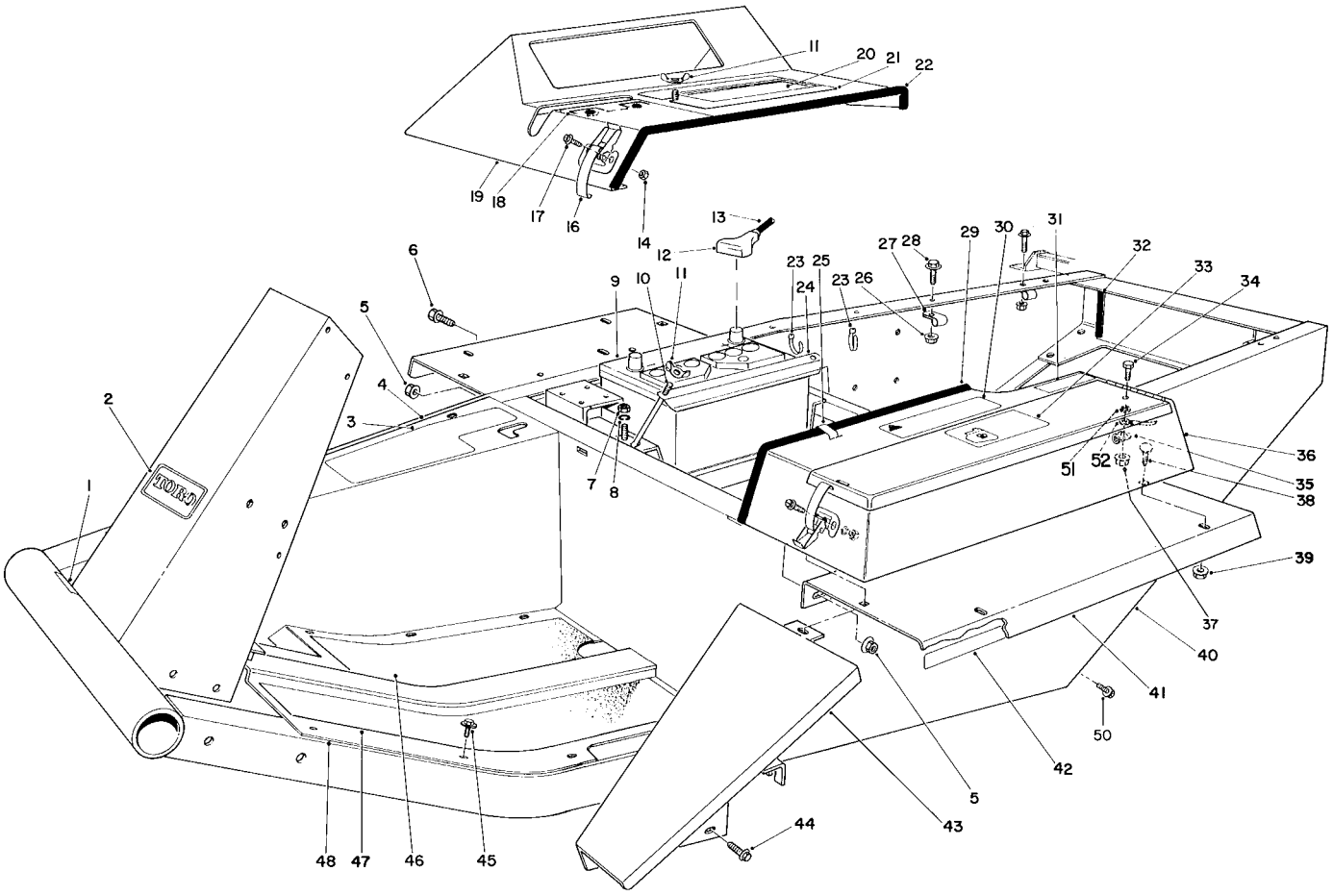
Ref. No.	Part No.	Description	No. Used
1	27–7320	Decal – Traction Pedal	1
2	70–2200	Decal – Toro	1
3	66–6390	Decal – Caution	1
4	21–2660	Footrest	1
5	32128–21	Nut – Lock, Flange	10
6	3234–12	Screw – Hex. Hd. Flange	4
7	3217–6	Nut – Hex.	2
8	3253–4	Washer – Lock	2
†9		Battery Type MF24–78	1
10	24–6390	Stud – Battery Hold Down	2
11	32103–2	Nut – Wing	3
12	28–1280	Boot – Cable	1
13	70–1180	Cable – Battery Positive (Inc. Ref. #12)	1
14	3296–2	Nut	6
16	249–21	Hook Clamp	3

Ref. No.	Part No.	Description	No. Used
17	3290–144	Screw – Machine	6
18	27–7290	Decal – Power Take off	1
19	38–4550	Instrument Cover	1
20	43–4290	Decal – Starting Instructions	1
21	24–9740	Cover – Battery Access	1
22	39–8020	Trim – Instrument Cover	1
23	3290–378	Cable Tie	2
24	24–6420	Hold Down – Battery	1
25	2412–61	Clip – Tinnerman	2
26	3290–357	Nut – Lock, Flange	5
27	2412–4	Clamp	3
28	3234–11	Screw – w/Locking Flange	5
29	37–9650	Trim	1
30	67–1710	Decal – Caution	1
31	49–2280	Decal – Diesel Fuel	1
32	43–4300	Trim – Rear Frame	2

†Obtain Locally

TPS

© The TORO Company –1992

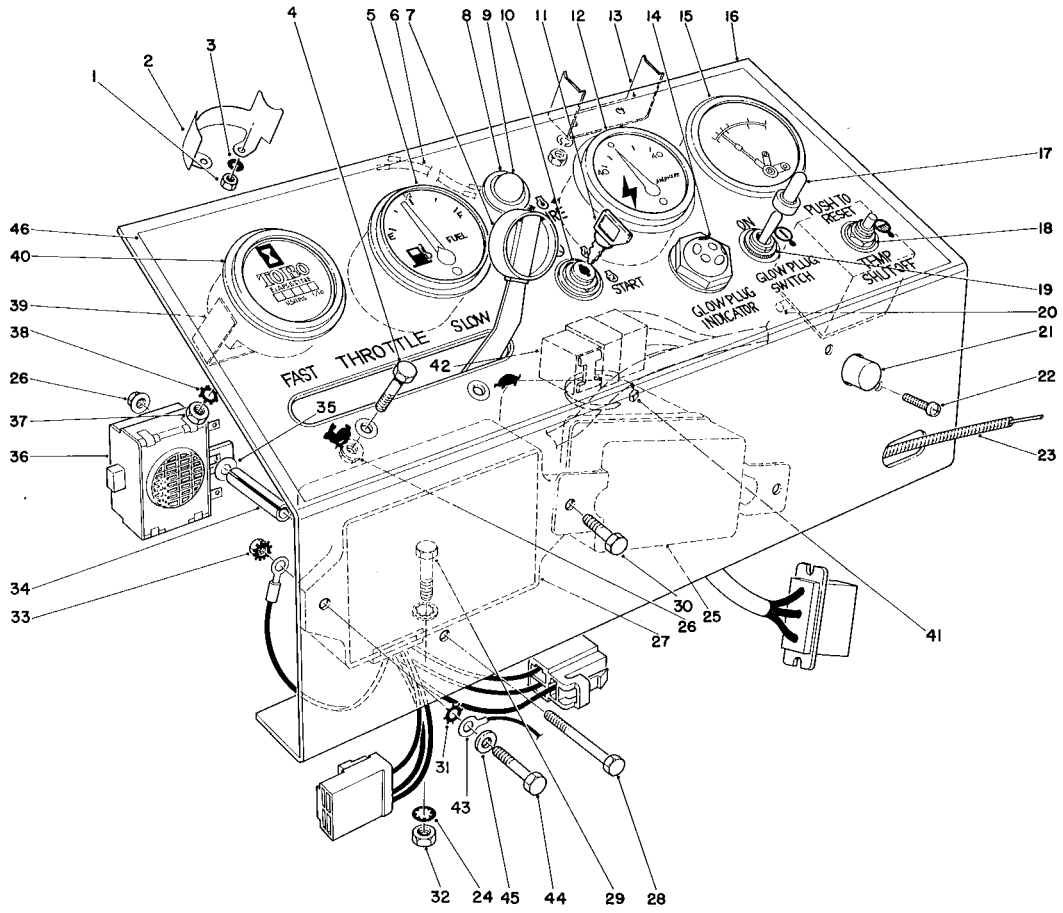


T–0407

MAIN FRAME ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
33	27–7310	Decal – Refueling	1
34	322–5	Screw – Cap, Hex. Hd.	1
35	2412–74	Clamp	1
36	38–4530	Tool Box	1
37	32128–20	Nut – Lock, Flange	1
38	3229–1	Bolt – Carriage	5
39	32128–33	Nut – Lock, Flange	5
40	82–9970	Frame (Inc. Ref. #5 & 50)	1
41	72–3690	Fender	2

Ref. No.	Part No.	Description	No. Used
42	67–1720	Decal – Torque	2
43	68–8610	Fender – Extension	1
44	3234–14	Screw – Cap, Hex. Hd.	2
45	32144–10	Screw, Self–Tapping	11
46	21–2770	Pad – Foot Rest R.H.	1
47	21–2760	Pad – Foot Rest L.H.	1
48	88–0070	Floor Plate	1
50	3234–25	Screw – Cap, Flange Hd.	4
51	3254–2	Washer – Lock Internal	1
52	18–2770	Cable – Ground	1

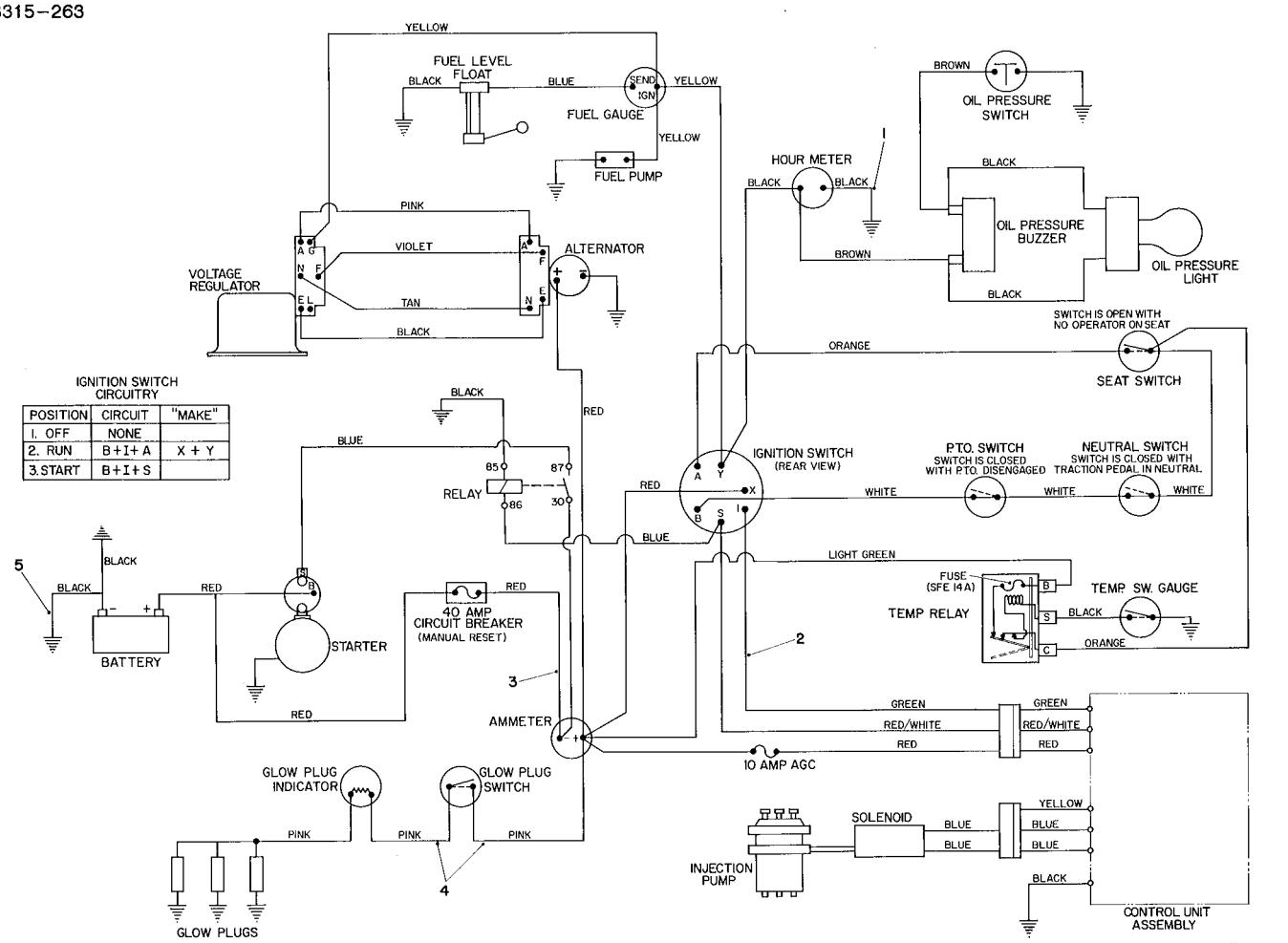


T-0408

INSTRUMENT PANEL ASSEMBLY

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

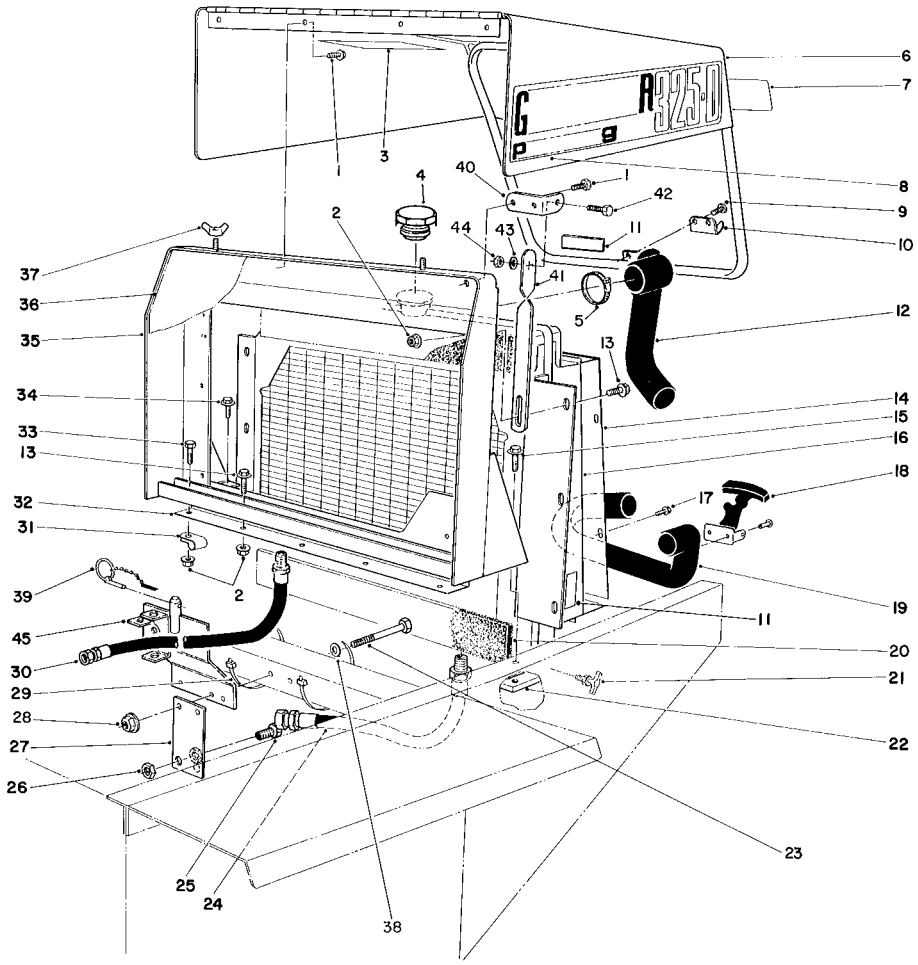


T–0409

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

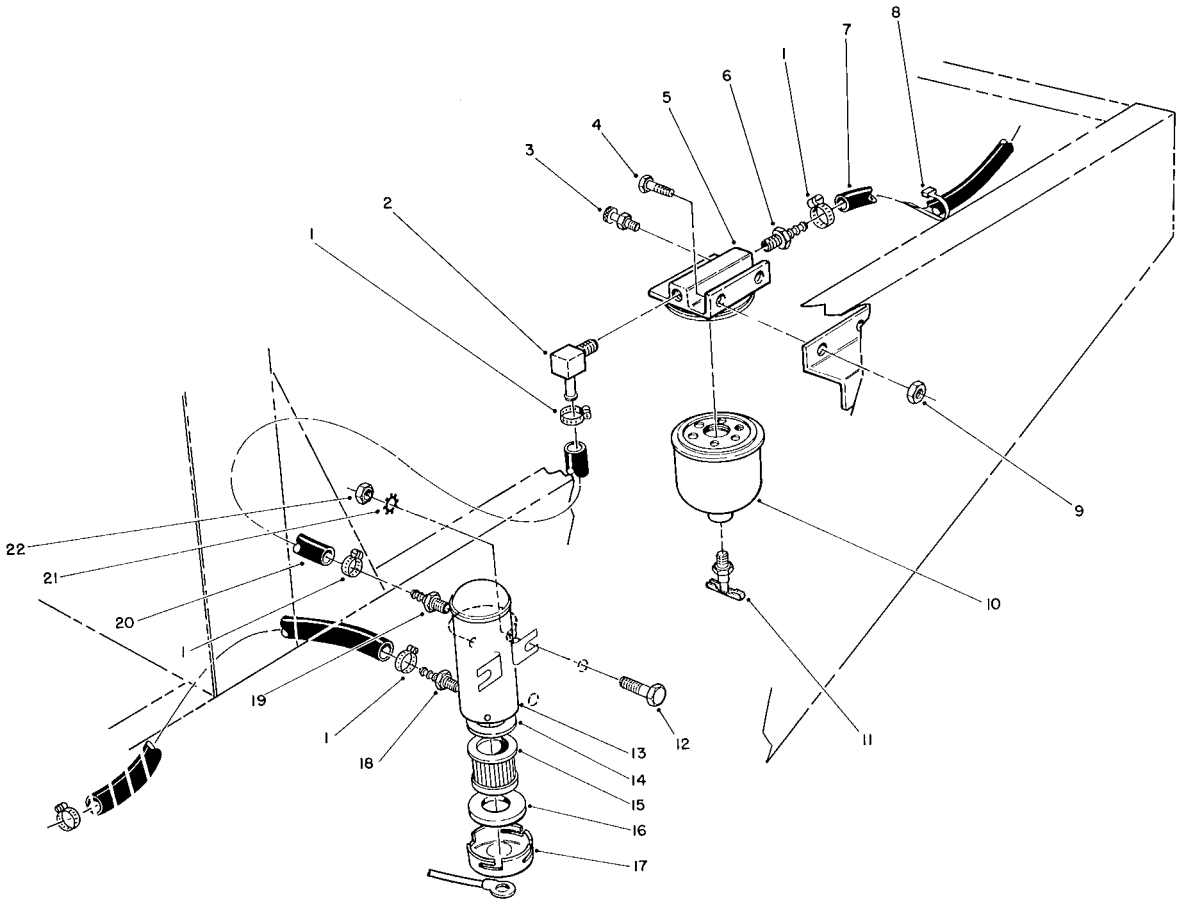


T-0410

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

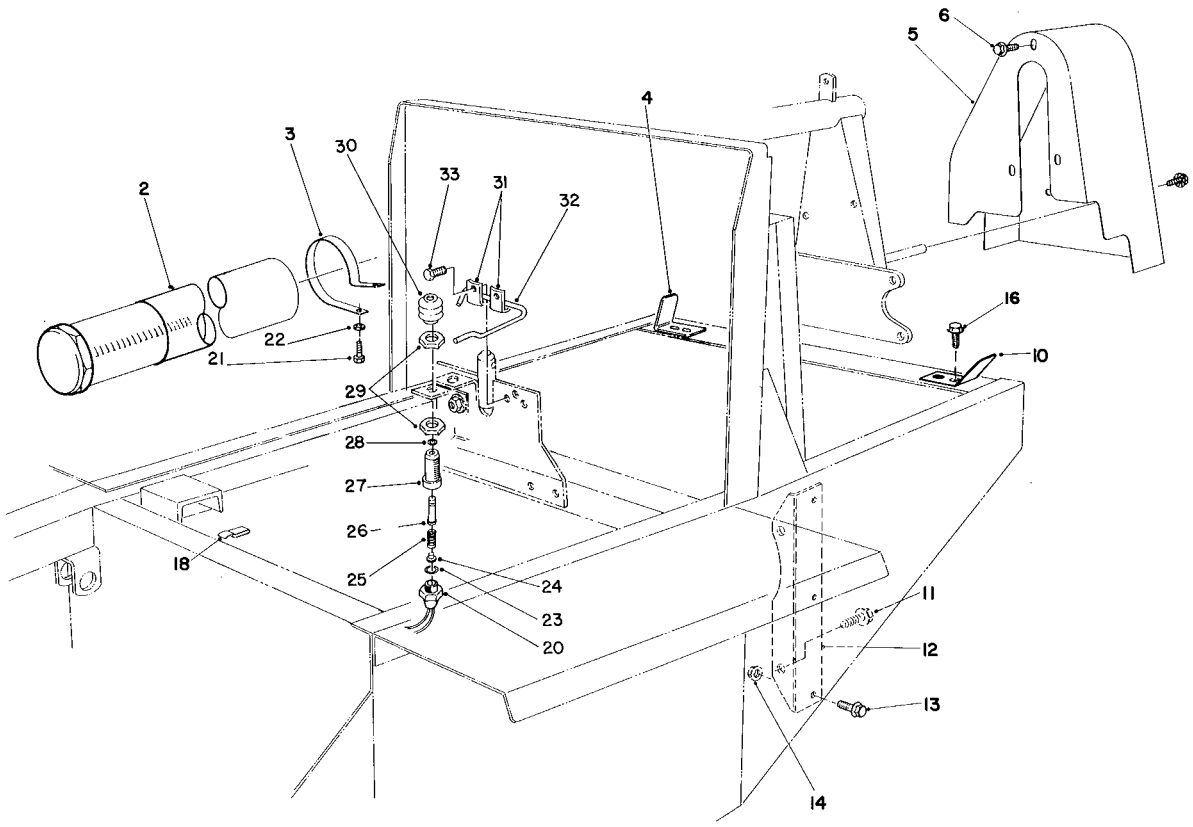


T–0411

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

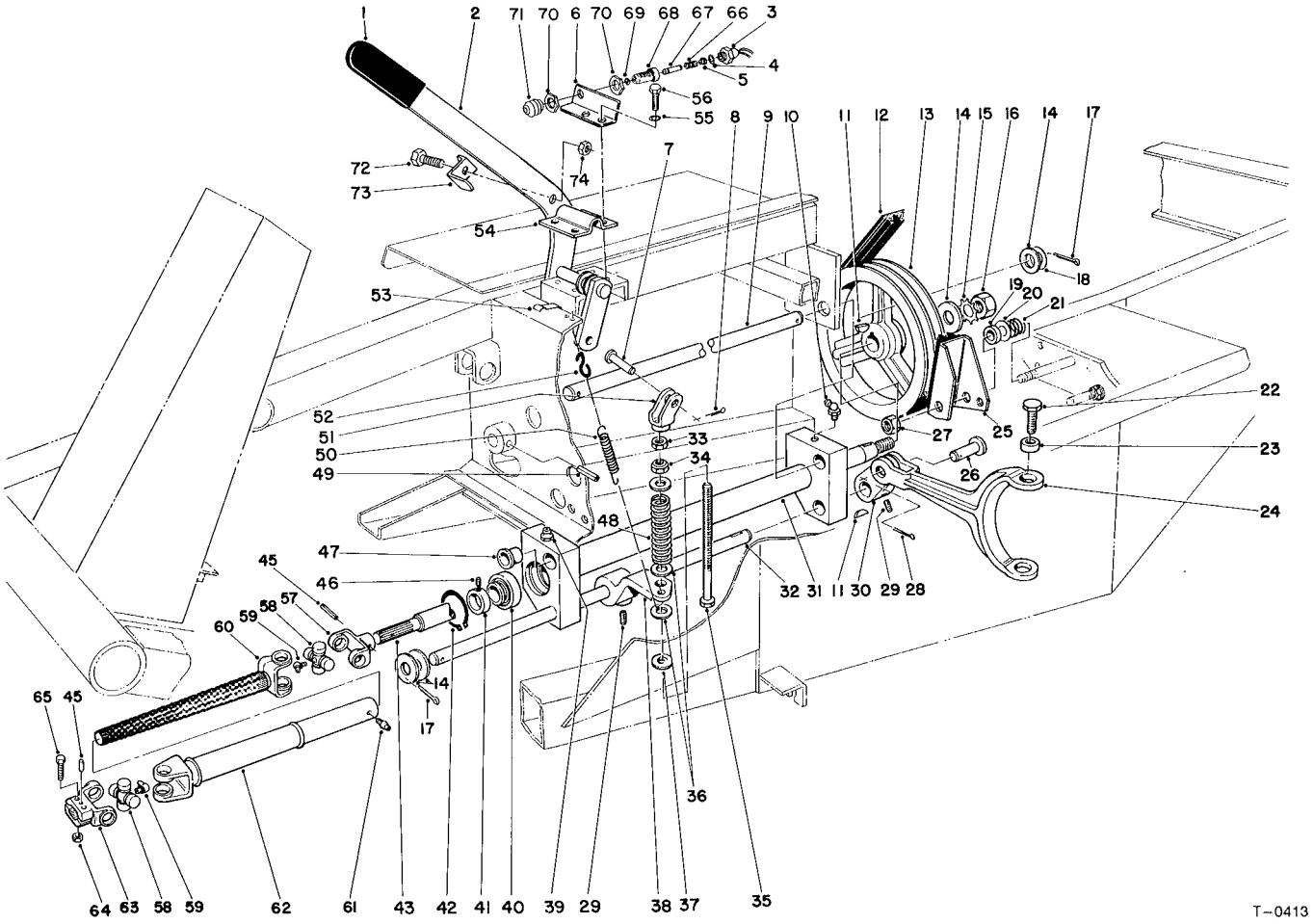


T-0412

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

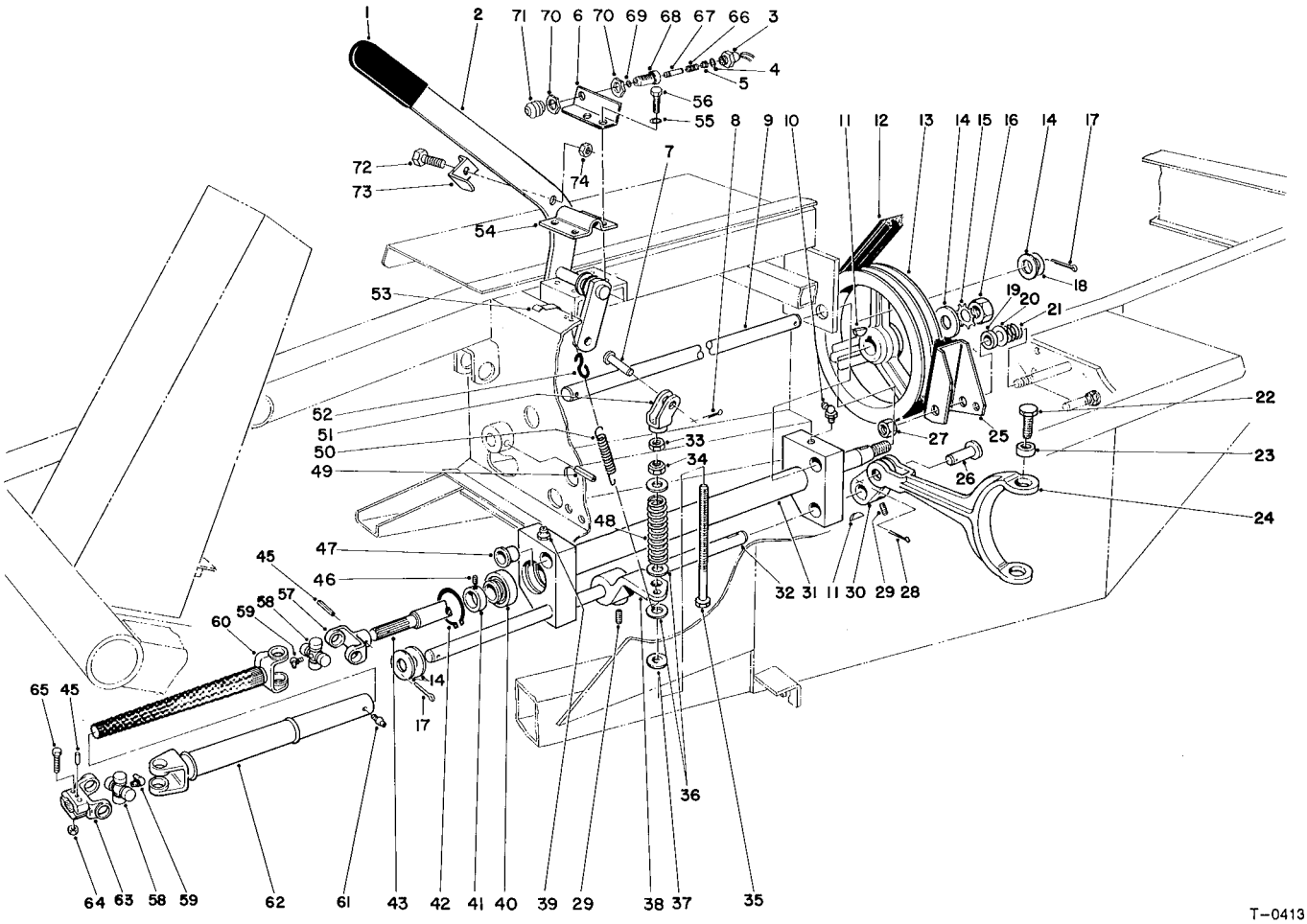
Ref. No.	Part No.	Description	No. Used
21	322-2	Screw - Cap, Hex. Hd.	2
22	3256-23	Washer - Flat	2
23	237-30	Seal - O-Ring	1
24	43-8610	Guide - Spring & Ball Seat	1
25	43-8600	Spring - Compression	1
26	43-8860	Plunger - Switch	1
27	43-8620	Guide - Switch Pin	1
28	237-7	Seal - O-Ring	1
29	218-461	Nut - 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



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

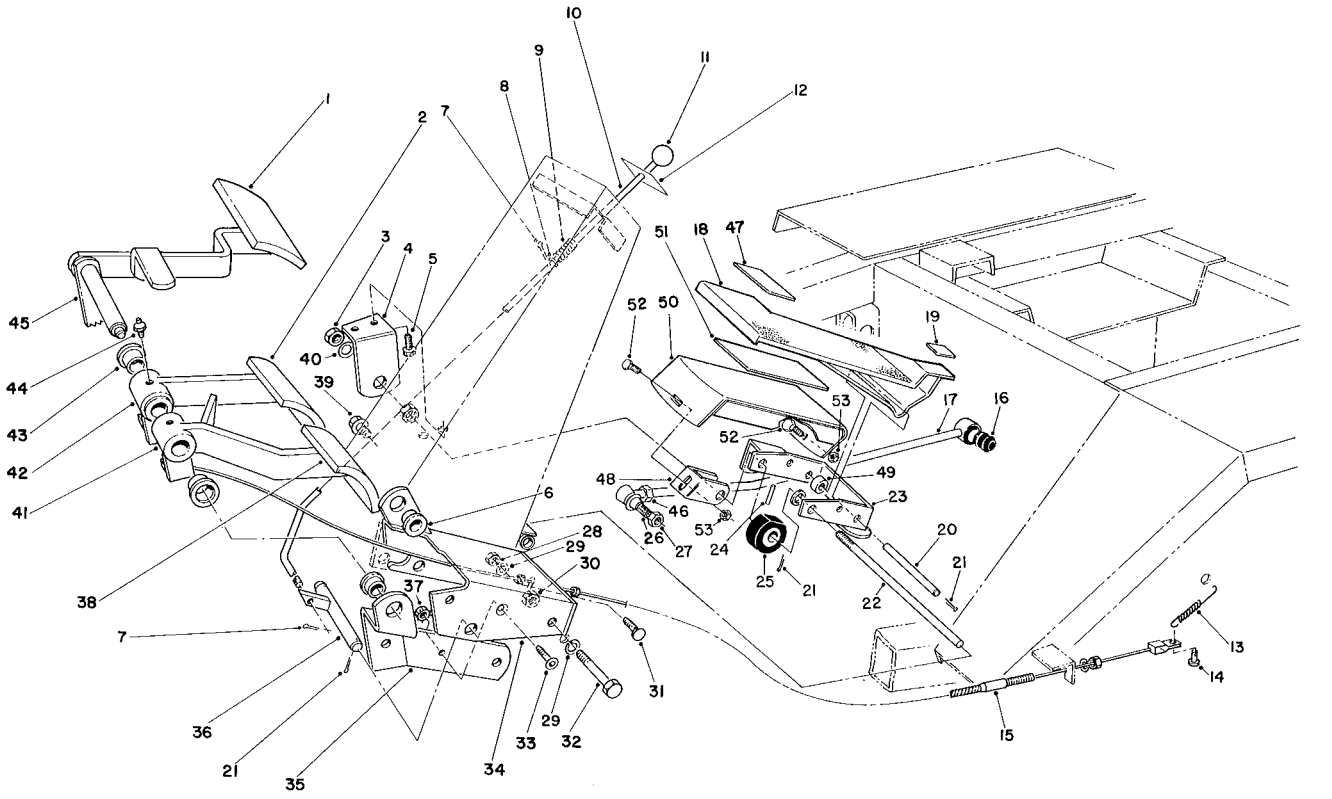


POWER TAKE OFF ASSEMBLY (Continued)

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

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

*Not Illustrated



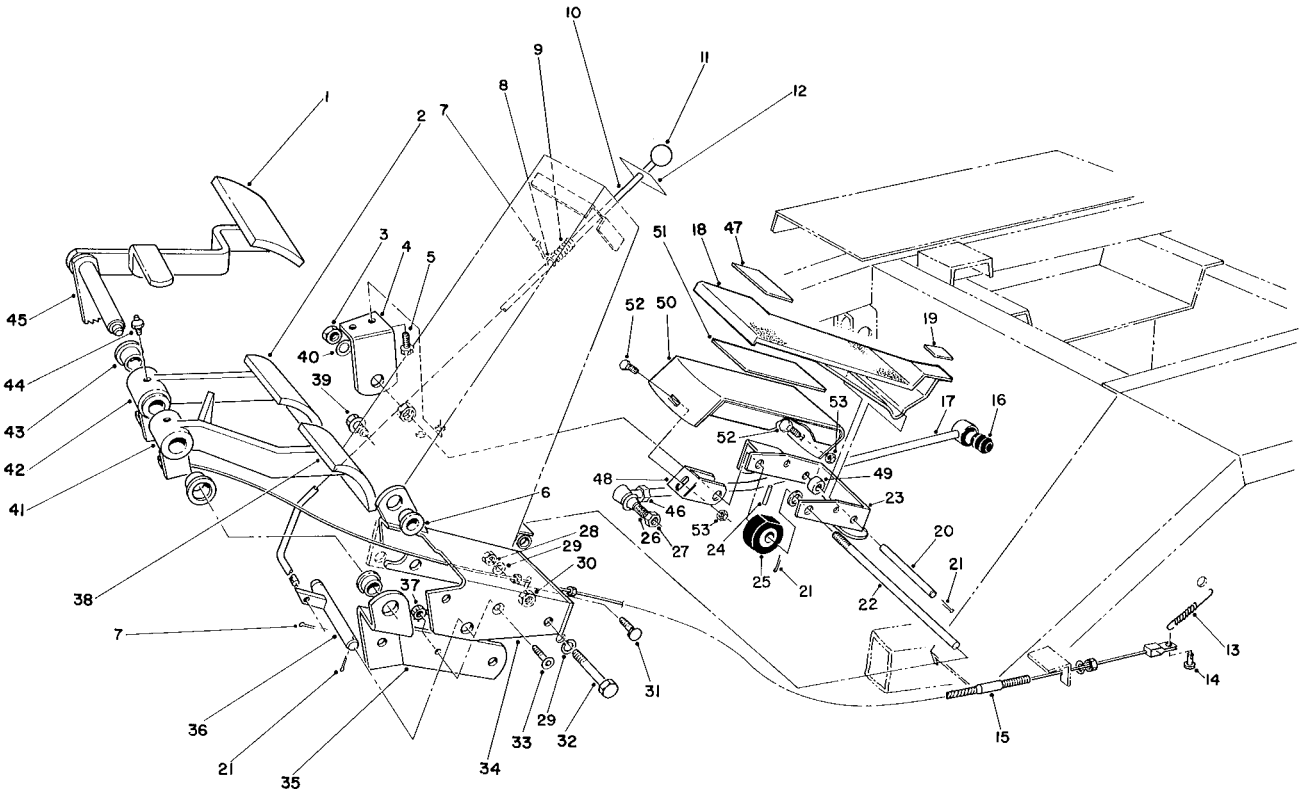
T-0415

BRAKE PEDAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
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 Bake	1
46	3220-5	Nut - Jam	1
47	88-1730	Pad - Front Pedal	1
48	88-1680	Bracket - Footrest	1

*Not Illustrated



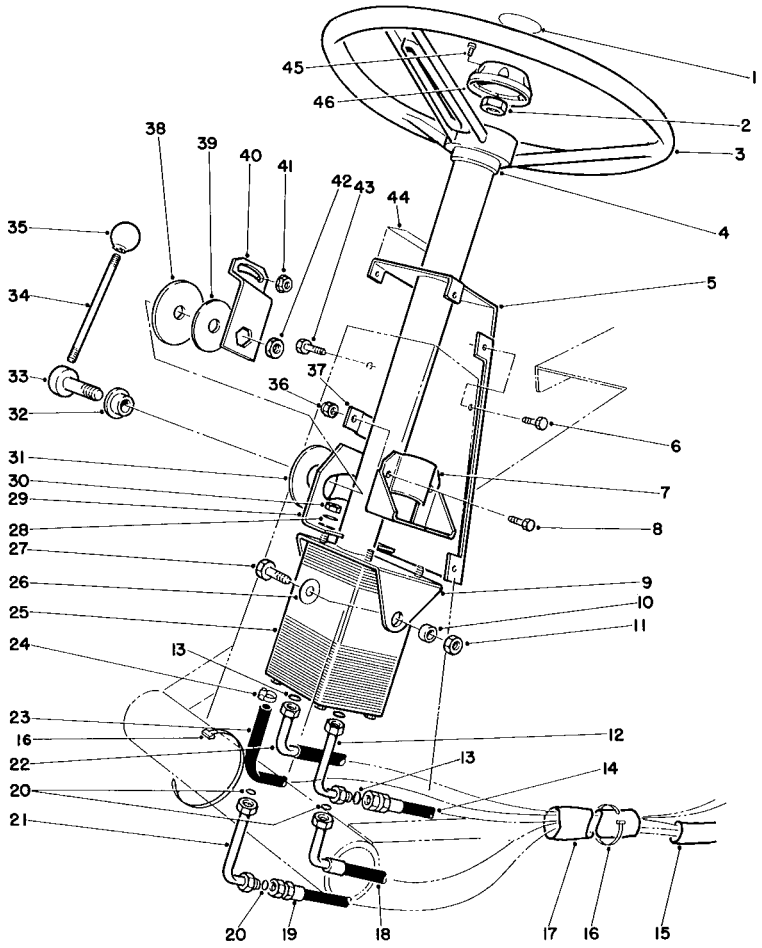
T-0415

BRAKE PEDAL ASSEMBLY (Continued)

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

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

*Not Illustrated

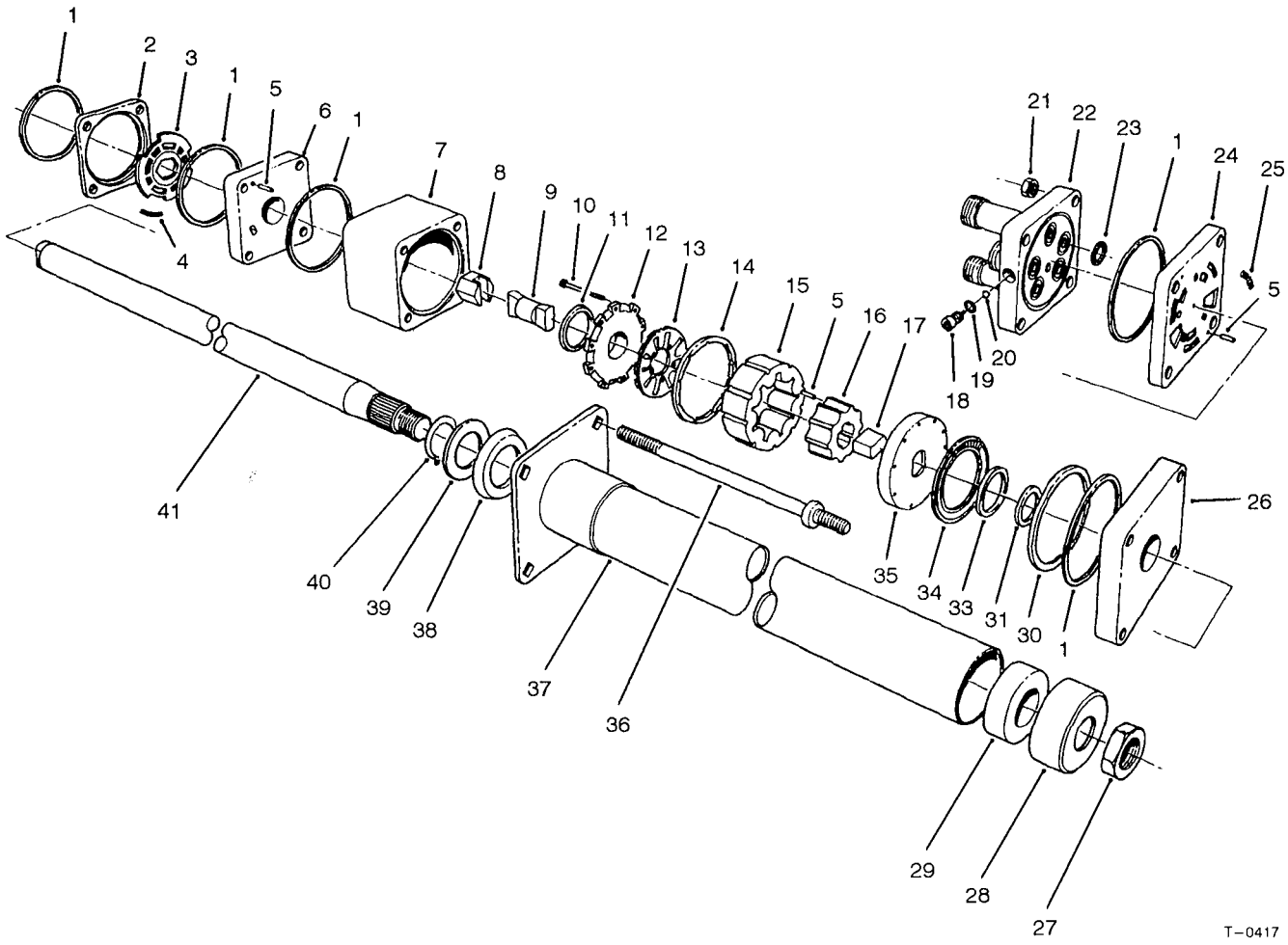


T-1187

POWER STEERING ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	68-5370	Decal – Toro	1
2	66-9760	Nut – Hex.	1
3	75-0560	Steering Wheel Assembly (Incl. Ref. #45 & 46)	1
4	21-9260	Cover – Dust	1
5	82-8660	Cover – Tower	1
6	32144-10	Screw – Hex. Hd. Self Tap	6
7	67-8690	Support – Column	1
8	3234-17	Screw – Cap, Hex. Hd.	2
9	77-3120	Bracket – Mount, Column	1
10	80-2960	Spacer – Tower	2
11	32153-2	Nut – Hex.	2
12	82-8760	Elbow	1
13	237-30	O-Ring	3
14	63-8970	Hose – Trans. to Steering	1
15	70-1390	Sleeve – Protective	1
16	3290-379	Tie – Cable	3
17	70-1380	Sleeve – Protective	1
18	68-9730	Hose – Steering to Cylinder	1
19	68-9720	Hose – Cylinder to Steering	1
20	237-22	O-Ring	3
21	82-8770	Elbow	1
22	63-8980	Hose – Aux. to Valve	1
23	63-8990	Hose	1

Ref. No.	Part No.	Description	No. Used
24	2412-36	Clamp	2
25	63-9250	Valve – Steering, Power	1
26	3256-46	Washer – Flat	2
27	323-6	Screw – Cap, Hex. Hd.	2
28	3256-3	Washer – Flat	4
29	80-2940	Plate – Pivot	1
30	3296-4	Nut – Lock	4
31	31-0390	Disc – Friction	1
32	80-2980	Boss – Pin	1
33	80-2970	Pin – Steering, Tilt	1
34	80-2890	Handle – Steering, Tilt	1
35	233-21	Knob – Handle	1
36	3296-29	Nut – Lock	2
37	82-8650	Clamp – Half	1
38	82-9010	Disc – Friction	1
39	80-2930	Washer	1
40	80-2880	Bracket – Steering, Tilt	1
41	32128-20	Nut – Flange	1
42	3218-7	Nut – Jam	1
43	322-4	Screw – Cap, Hex. Hd.	1
44	82-8940	Decal – Steering, Tilt	1
45	32144-21	Screw	1
46	68-5140	Cap – Wheel, Steering	1



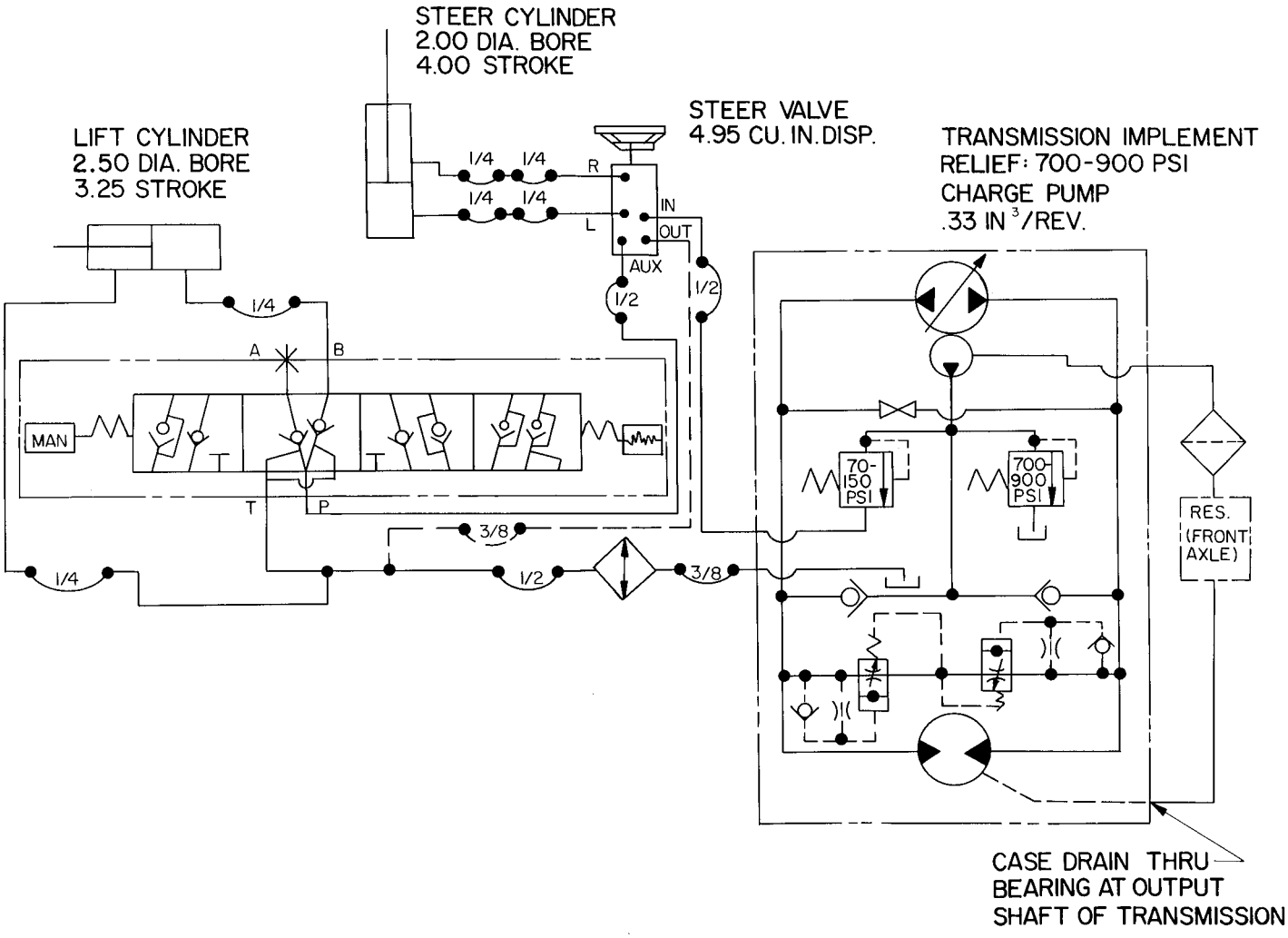
POWER STEERING VALVE ASSEMBLY NO. 63–9250

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

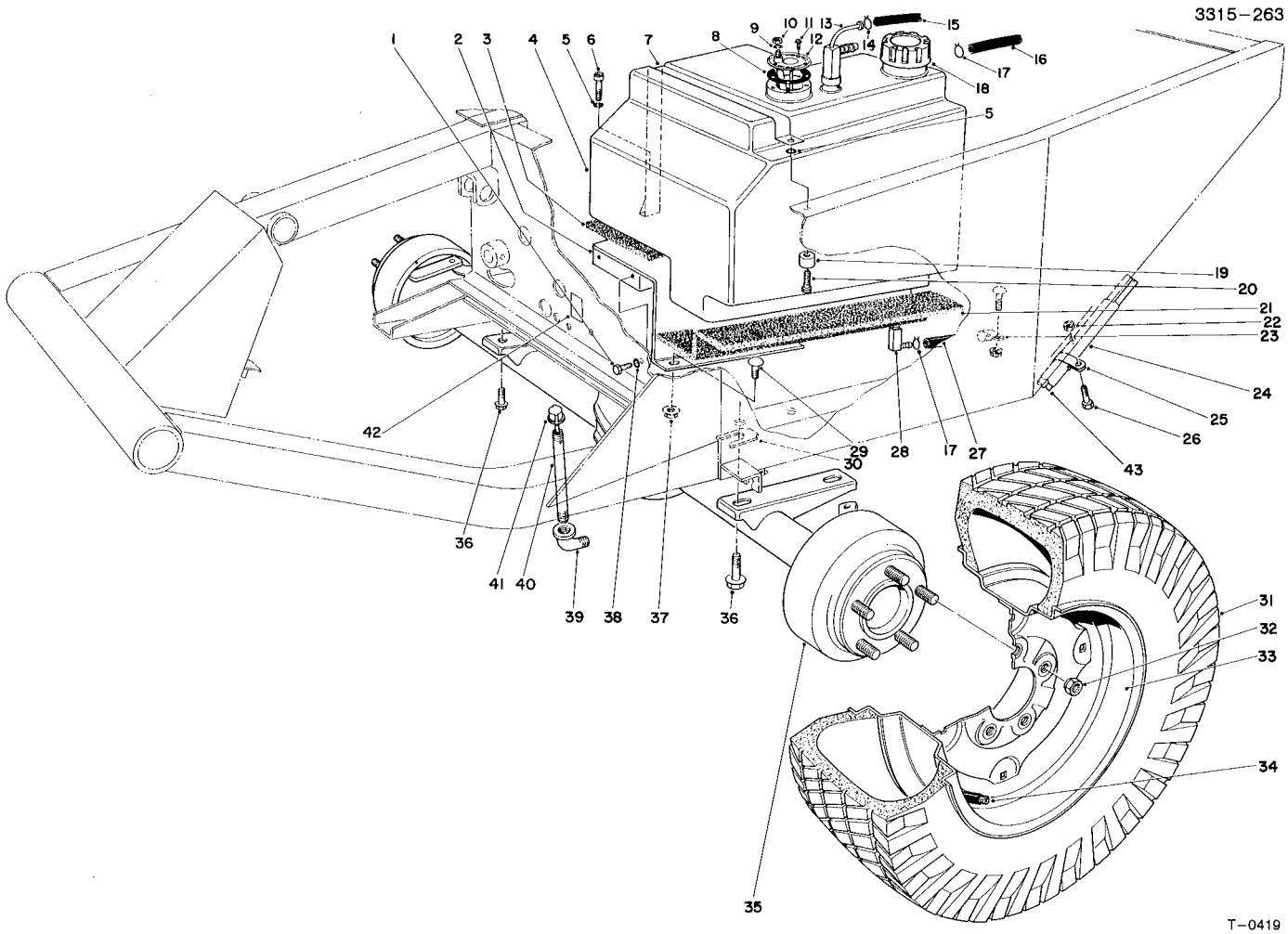
Ref. No.	Part No.	Description	No. Used
25		Spring	3
26		Plate – Upper Cover	1
27	3220–6	Nut	1
28	66–9770	Seal	1
29	66–9780	Bushing	1
30		Spacer – Thrust Bearing	1
31		Spacer – Seal	1
33		Seal—Face	1
34		Bearing – Thrust	1
35		Plate – Drive	1
36	66–9850	Bolt – Special	4
37	66–9860	Upper Cover & Jacket	1
38	66–9870	Plate – Retaining	1
39	66–9880	Washer – Retaining Plate	1
40	66–9890	Ring – Retaining	1
41	66–9900	Shaft – Input	1
*	66–9970	Spring Kit (Incl. Ref. #4 & 25)	1
*	66–9980	Seal Kit (Incl. Ref. #1, 11, 19, 23 & 33)	1
*	66–9990	Needle Roller Kit (Incl. Ref. #5)	1

*Not Illustrated

HYDRAULIC SCHEMATIC



T-0418

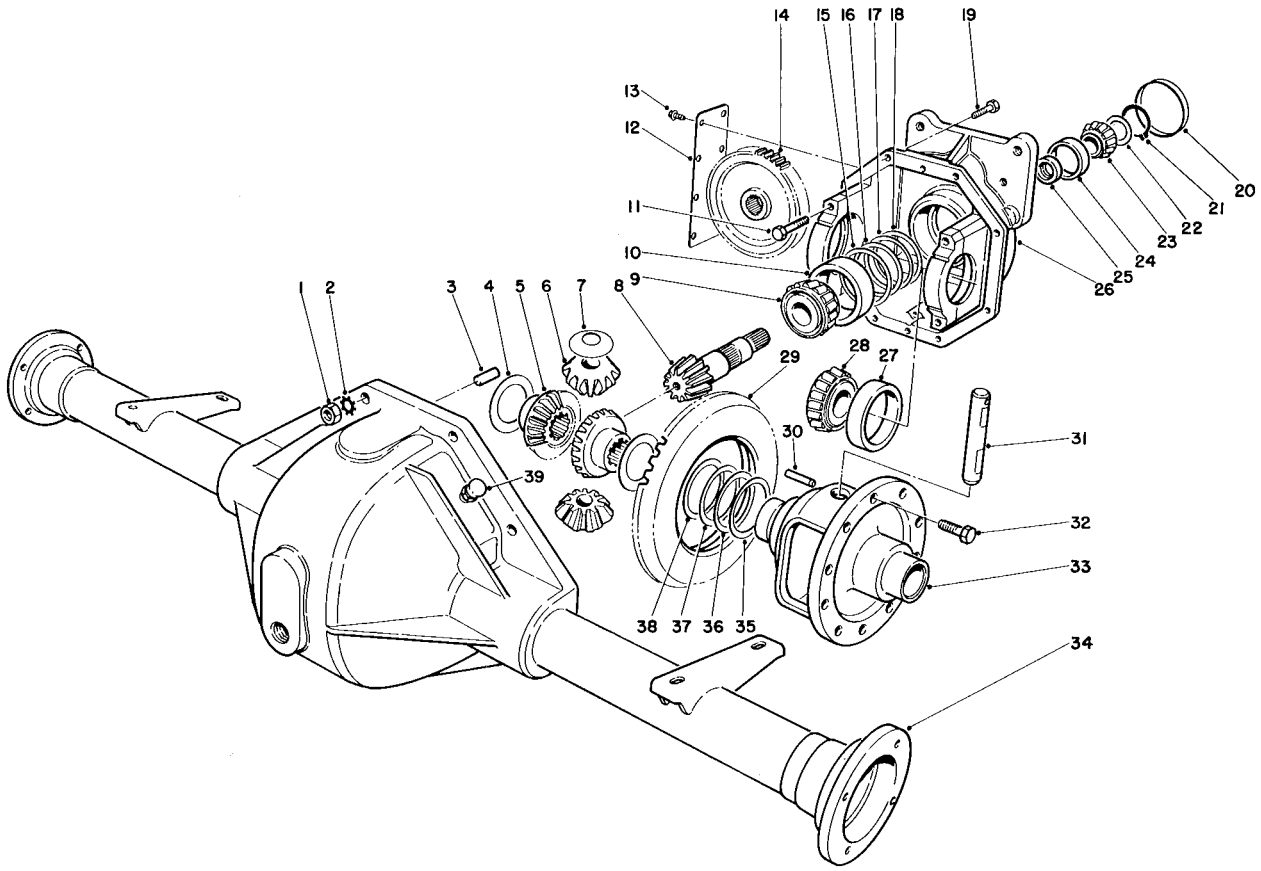


FRONT AXLE & FUEL TANK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	32104-6	Screw - Self Tapping	2
2	68-9760	Fuel Tank Base	1
3	21-3600	Foam - Tank Support	1
4	43-4150	Fuel Tank (Incl. Ref. #13 & 14)	1
5	3253-3	Washer - Lock	2
6	32104-96	Screw - Cap, Hex. Hd.	1
7	37-9550	Strap - Fuel Tank	1
8	62-7650	Gasket	1
9	3253-17	Washer - Lock	1
10	3219-14	Nut	1
11	32144-53	Screw - Thread Forming	5
12	62-6840	Sender - Fuel Level	1
13	43-4160	Fitting - Return & Vent	1
14	2412-79	Clamp	1
15	43-4230	Hose Return	1
16	43-5690	Hose - Vent, Fuel Tank	1
17	2412-6	Clamp	2
18	55-3572	Fuel Cap	1
19	22-7810	Spacer	1
20	321-6	Screw - Cap, Hex. Hd.	1
21	21-3610	Foam - Tank Support	1
22	3296-20	Nut - Lock	2
23	2412-4	Clamp	1
24	56-7980	Sleeve - Protective	1
25	2412-39	R-Clamp	2
26	322-3	Screw - Cap, Hex. Hd.	2

Ref. No.	Part No.	Description	No. Used
27	63-9640	Hose Fuel	1
28	43-4190	Fitting Assembly	1
29	3230-2	Bolt - Carriage	3
30	42-6080	Shim - Axle	A/R
31	231-101	Tire	2
*	231-95	Tire - 23x10.5x12 (Optional)	2
32	23-7270	Nut - Wheel	10
33	217-117	Rim	2
*	217-116	Rim - 23x10.5x12 (Optional)	2
34	232-31	Valve Stem w/Cap	2
*	232-27	Valve Stem (For 23x10.5x12 Rim Opt.)	1
35	86-9600	Differential Assembly	1
36	32144-67	Screw - Hex. Hd. Self Tap	4
37	32128-20	Nut - Flange	3
38	3253-21	Washer - Lock	2
39	2811-9	Street Elbow	1
40	289-37	Pipe Nipple	1
41	23-5180	Dipstick	1
42	53-4430	Decal - Oil	1
43	68-9710	Hose - Steering Cylinder	2
*	231-90	Tube - Inner	2
*	62-7020	23x10.5x12 Tire Assembly (Optional)	2

*Not Illustrated

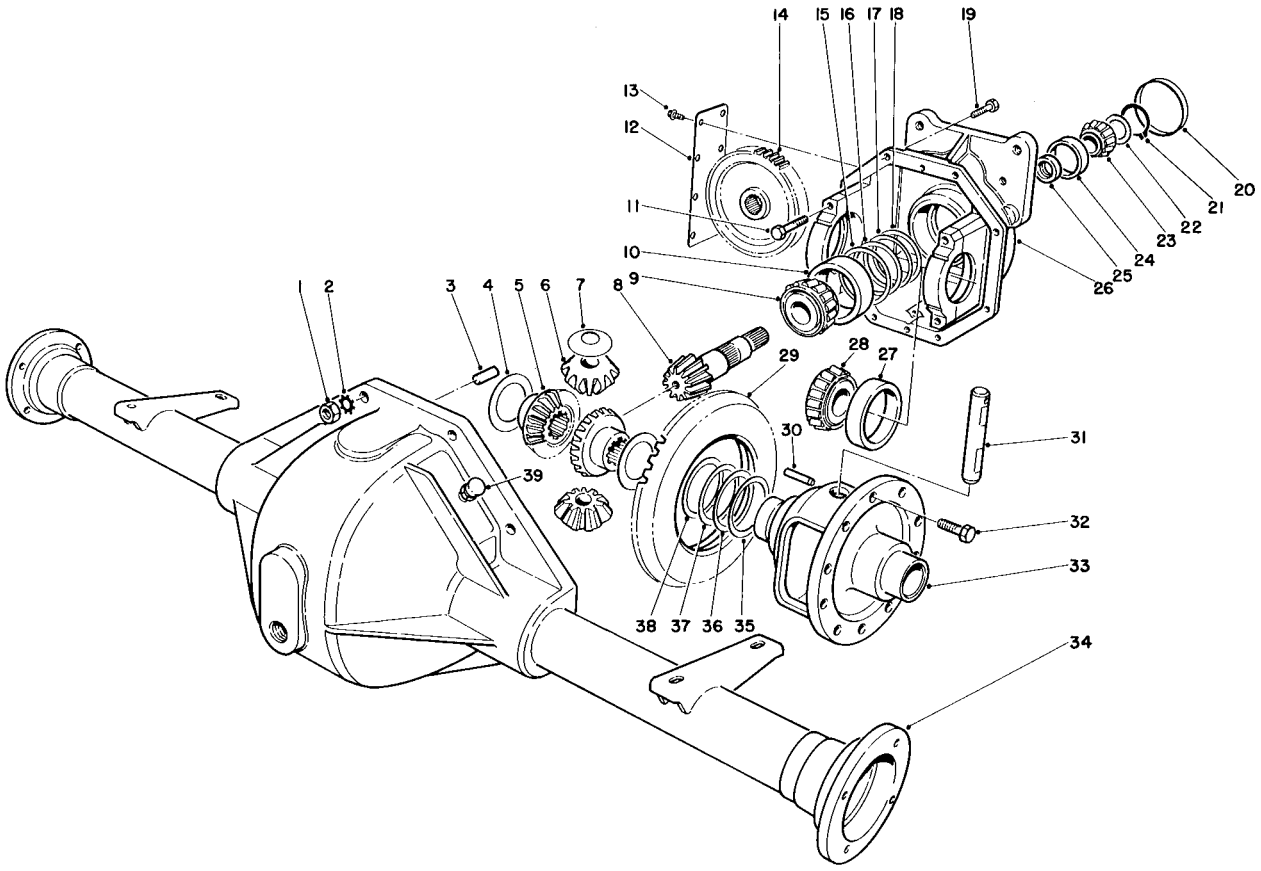


T–0919

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
*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



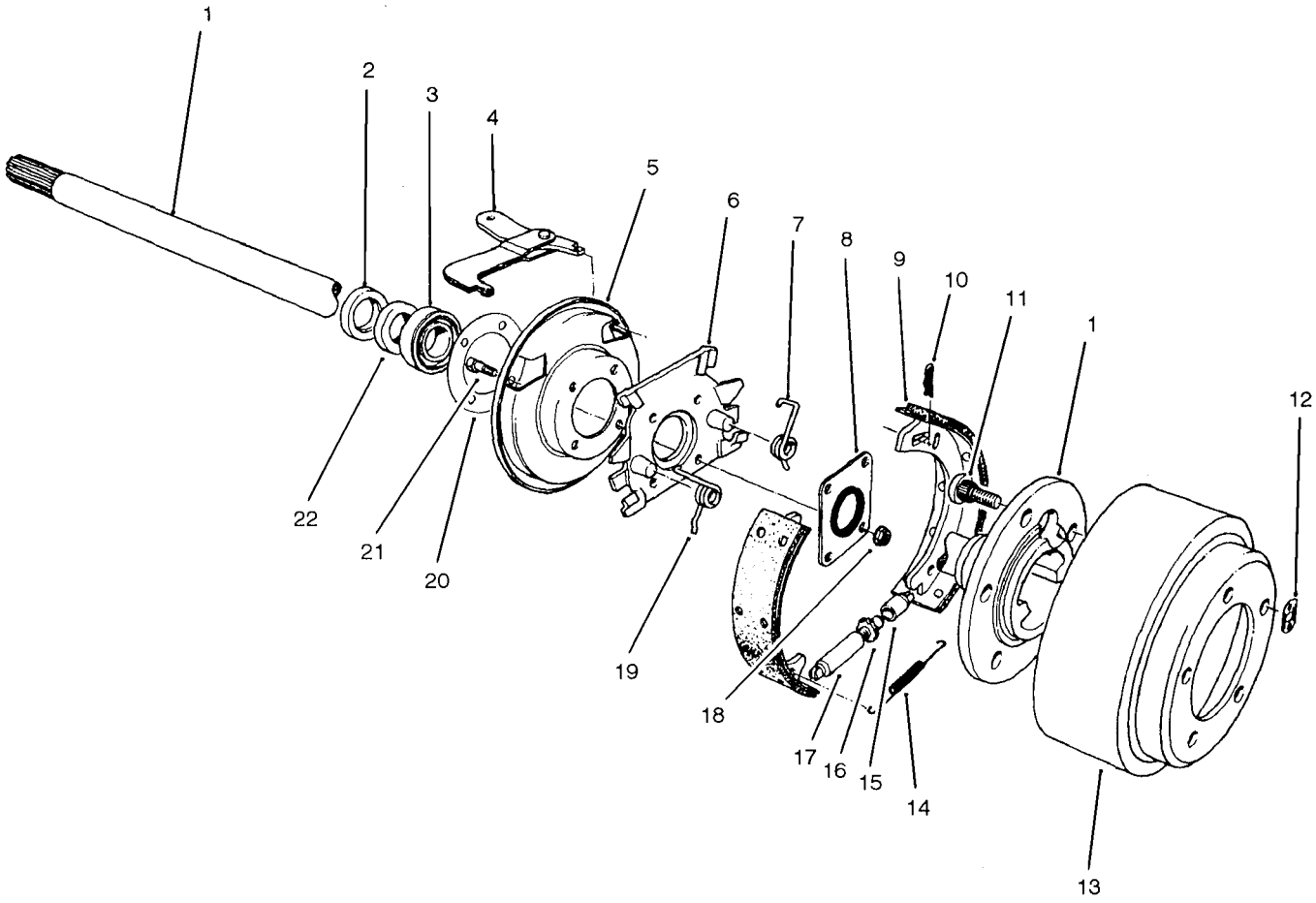
T-0919

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

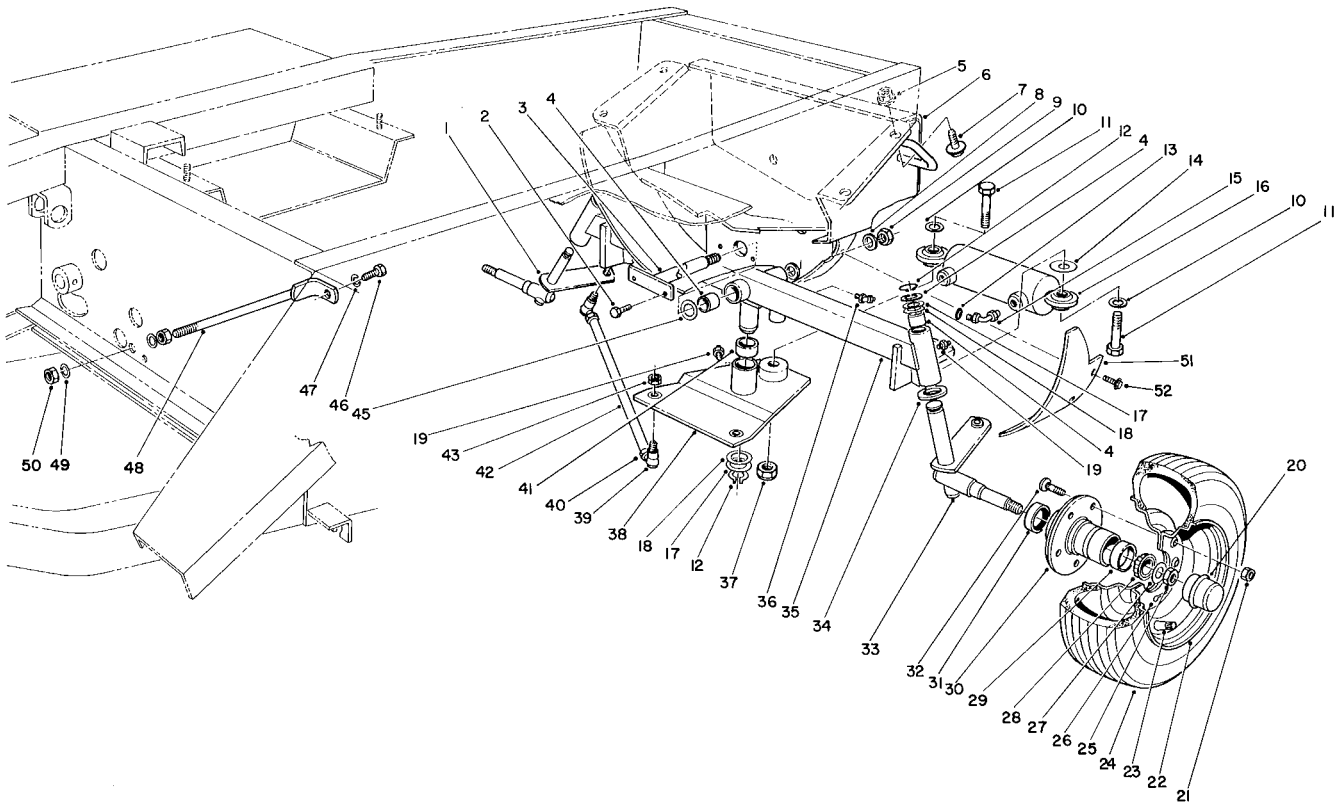


T–0421

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



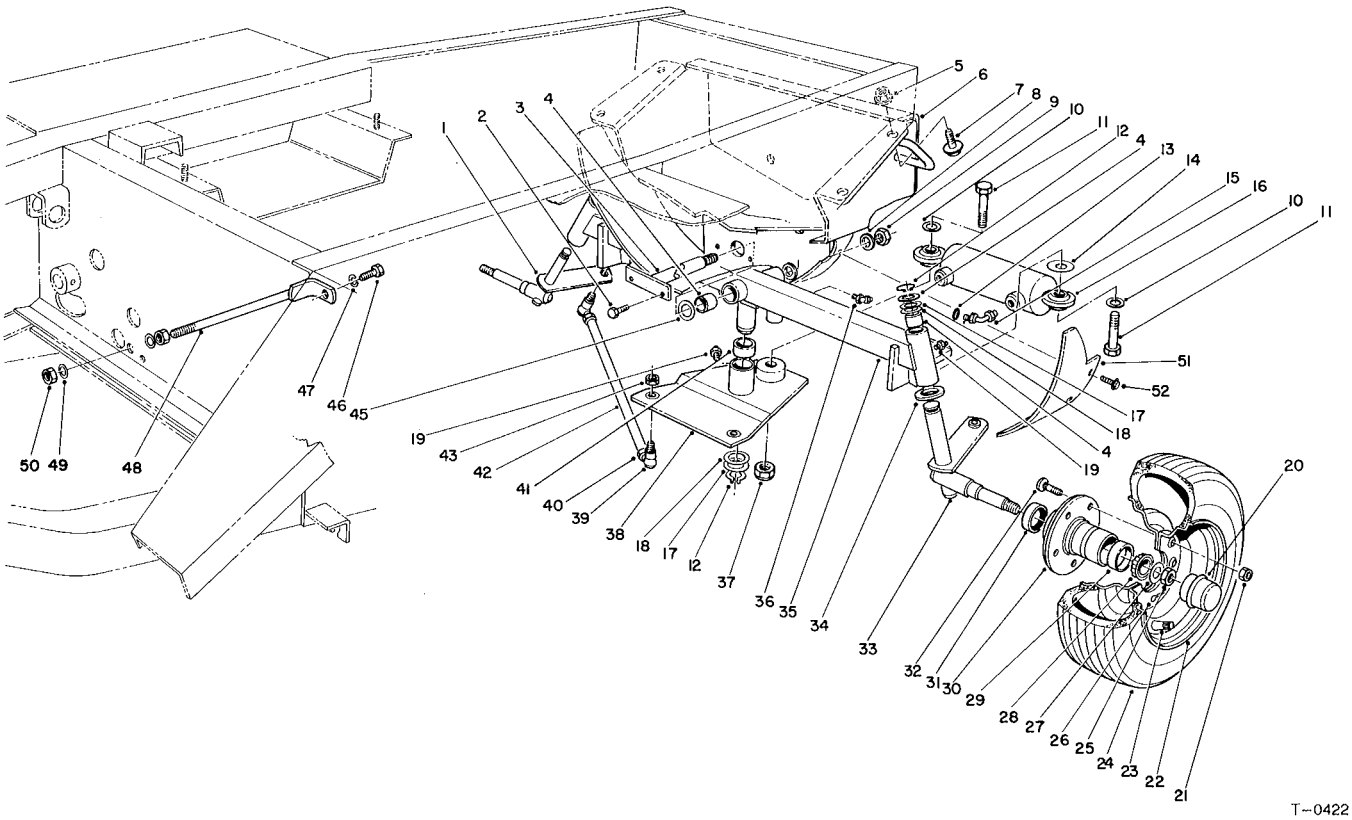
T-0422

REAR AXLE & WHEEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	63-9180	Spindle Assembly R.H.	1
2	3234-14	Screw - Cap, Hex Hd.	2
3	67-8170	Pin - Rear Axle	1
4	67-1750	Bushing	6
5	32128-23	Nut - Lock, Flange	4
6	67-8130	Support -Axle	1
7	3234-32	Screw - Cap, Hex Flange	4
8	71-4540	Washer - Thrust	A/R
9	32146-20	Nut - Lock	1
10	67-9410	Washer - Flat	2
11	328-25	Screw - Cap, Hex Hd.	2
12	32151-36	Ring - Retaining	3
13	237-22	O-Ring	2
14	67-7250	Spacer - Ring	1
15	340-54	Fitting 45°	2
16	63-9240	Cylinder - Hydraulic	1
17	5-1226	Washer	3
18	10-8110	Washer - Thrust	A/R
19	302-5	Fitting - Grease	3
20	241-119	Dust Cap	2
21	242-50	Nut - Wheel	10
22	217-106	Wheel	2
23	232-31	Valve Stem w/Cap	2
24	231-105	Tire	2
25	32136-5	Nut - Slotted	2
26	3272-13	Pin - Cotter	2

Ref. No.	Part No.	Description	No. Used
27	3256-28	Washer - Flat	2
28	254-94	Cone - Bearing	4
29	254-72	Cup - Bearing	4
30	21-2820	Hub Wheel (Incl. Ref. #29 & 32)	2
31	253-129	Closure	2
32	10-6830	Stud - Drive	10
33	63-9170	Spindle Assembly L.H.	1
34	256-121	Bushing - Thrust	2
35	67-9160	Axle - Rear (Incl. Ref. #4)	1
36	302-11	Fitting - Grease	1
37	32128-45	Nut - Lock	2
38	63-9220	Steering Pivot (Incl. Ref. #41)	1
39	21-0141	Socket Assembly R.H. Thd.	2
*	21-0151	Socket Assembly L.H. Thd.	2
40	3220-5	Nut - Jam, R.H. Thd.	2
*	3220-12	Nut - Jam, L.H. Thd.	2
41	256-242	Bushing	2
42	21-2000	Tie Rod	2
43	3220-3	Nut - Jam	8
45	56-2460	Washer	A/R
46	323-6	Screw - Cap, Hex Hd.	1
47	3253-21	Washer - Lock	1
48	24-9830	Support Axle	1

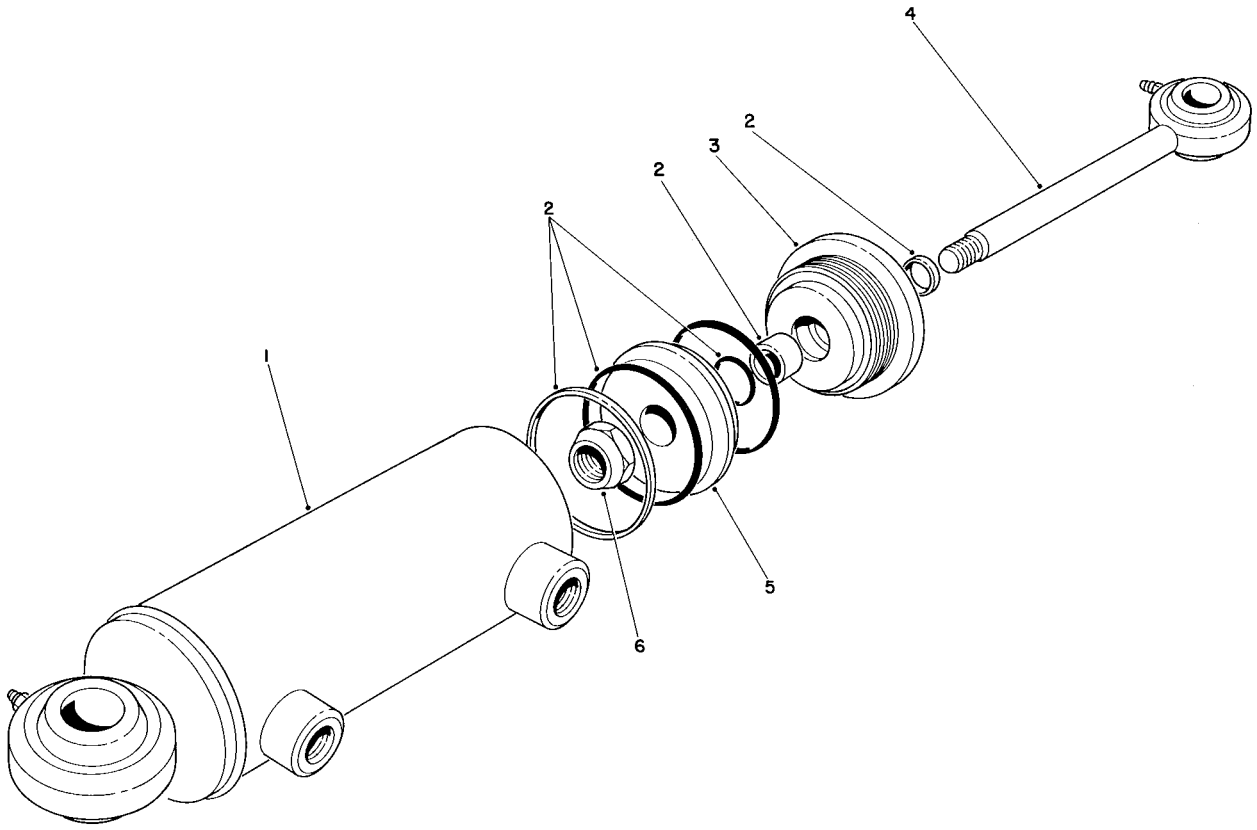
*Not Illustrated



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

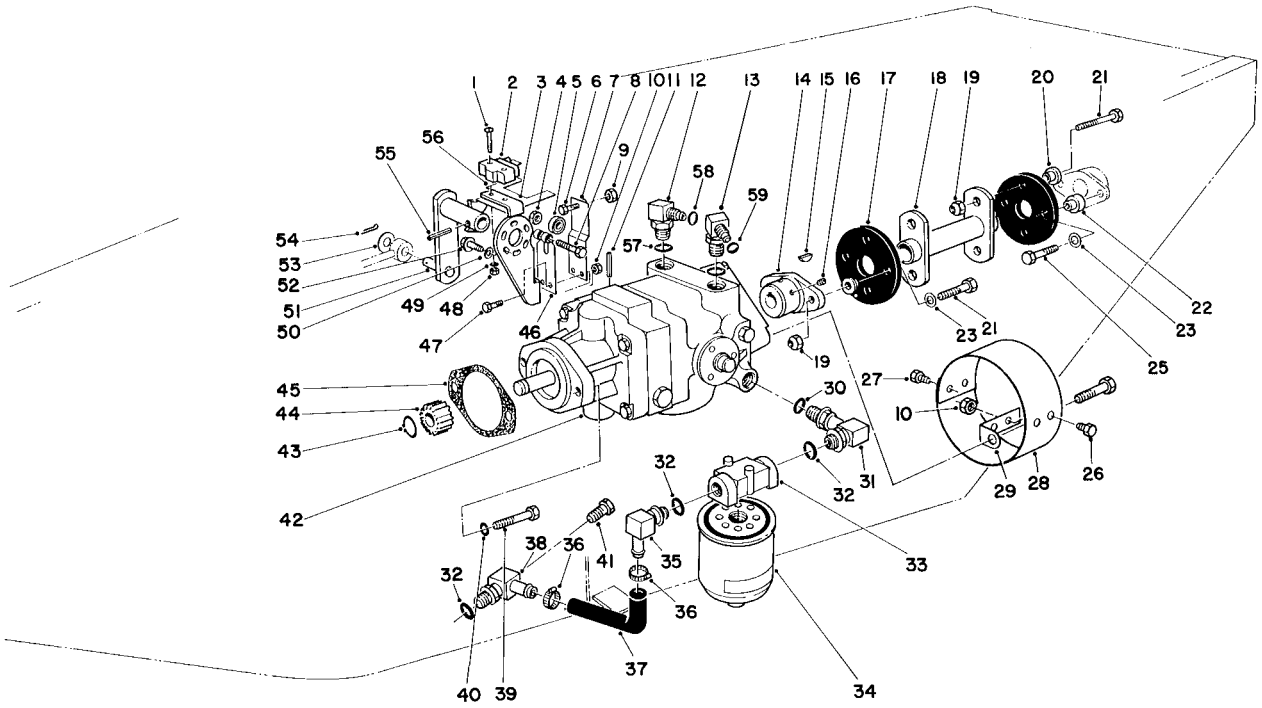


T–0423

HYDRAULIC STEERING CYLINDER ASSEMBLY NO. 63–9240

Ref. No.	Part No.	Description	No. Used
1		Tube Assembly	1
2	66–1960	Seal Kit	1
3	66–1950	Gland	1
4	66–1910	Piston Rod Assembly	1

Ref. No.	Part No.	Description	No. Used
5	66–1940	Piston	1
6	66–1930	Nut – Lock	1

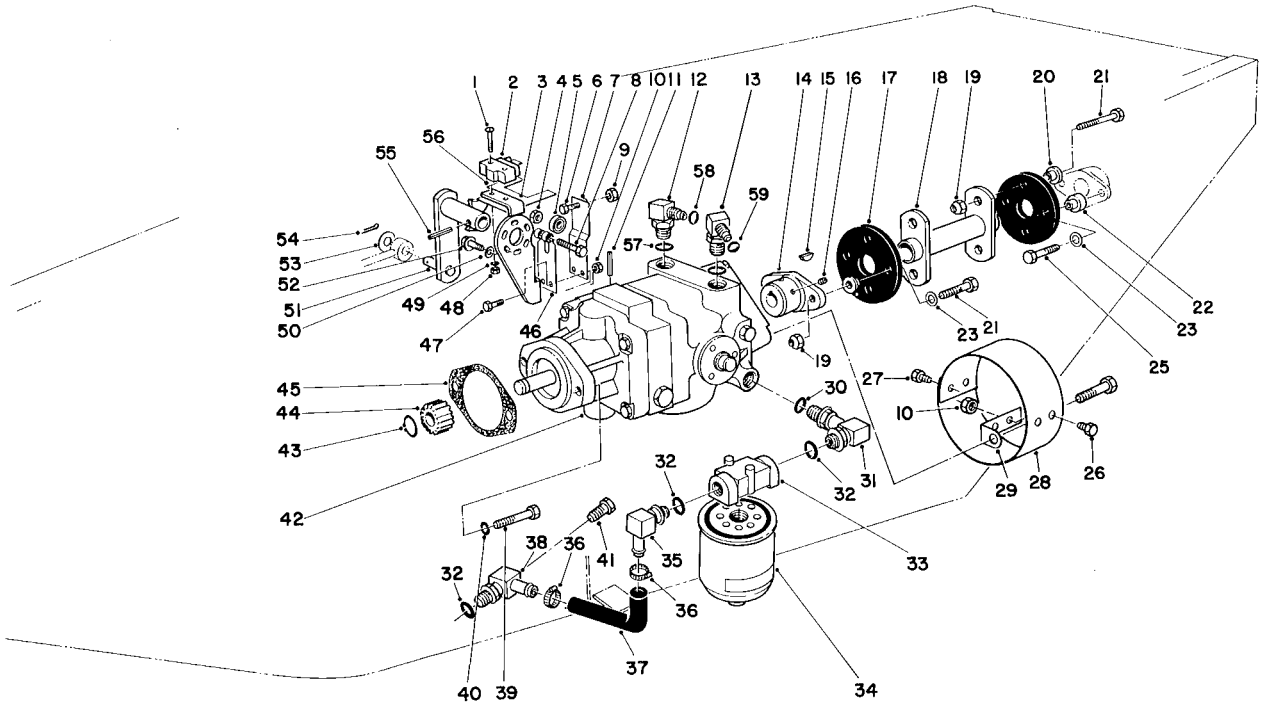


T–0424

HYDROSTATIC TRANSMISSION

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

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

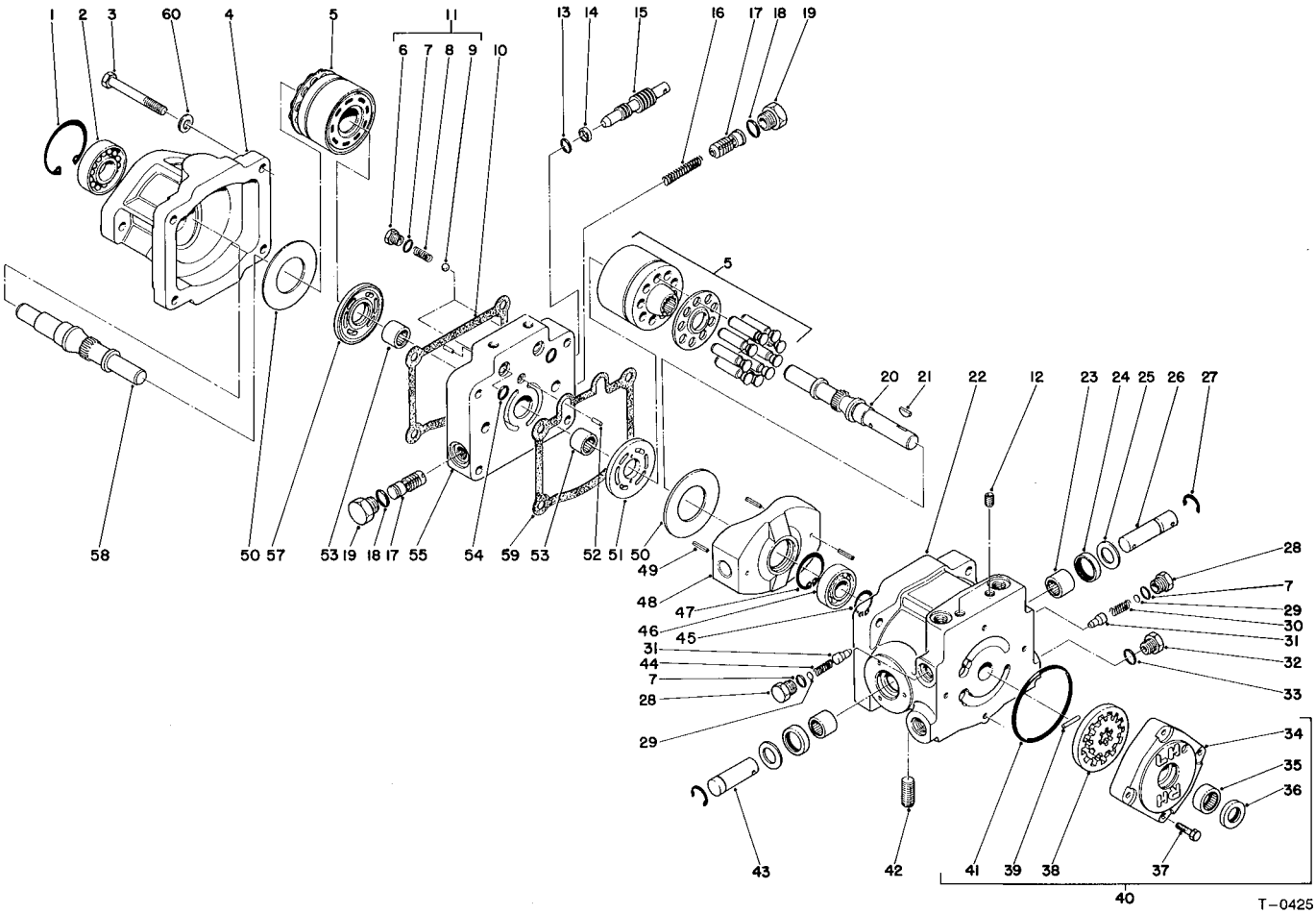


T-0424

HYDROSTATIC TRANSMISSION (Continued)

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

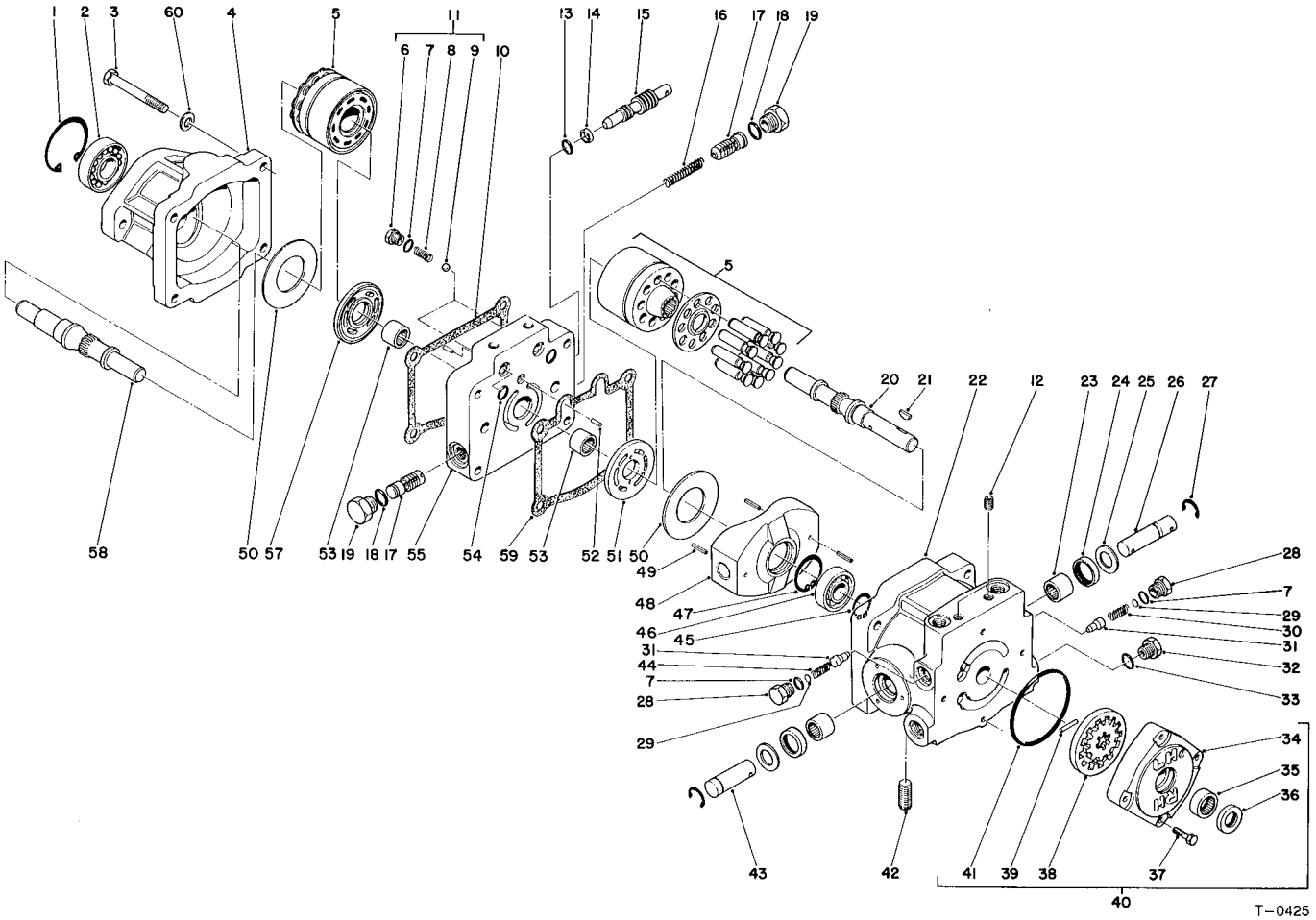
Ref. No.	Part No.	Description	No. Used
57	237-42	O-Ring	2
58	237-22	O-Ring	1
59	237-30	O-Ring	1



TRANSMISSION ASSEMBLY NO. 71-4370

Ref. No.	Part No.	Description	No. Used
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

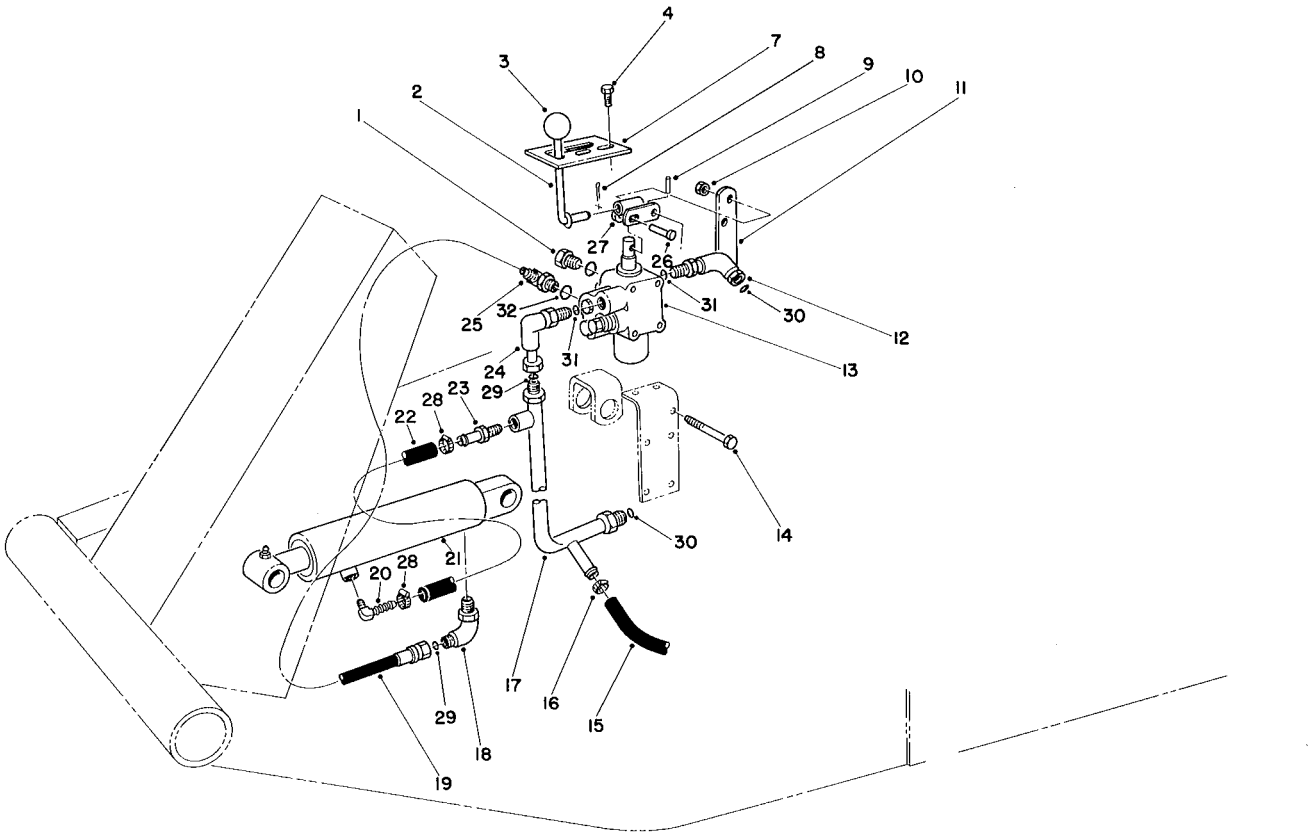
Ref. No.	Part No.	Description	No. Used
25	25-2510	Washer - Flat	2
26	25-2580	Trunion Shaft	1
27	32151-46	Retaining Ring	2
28	25-2460	Plug - Hex. Hd.	2
29	25-2470	Shim Pack	2
30	25-2570	Valve Spring	1
31	83-7260	Relief Valve Cone	2
32	353-551	Plug - Hex. Hd.	1
33	237-80	O-Ring	1
34	25-2550	Charge Pump 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



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



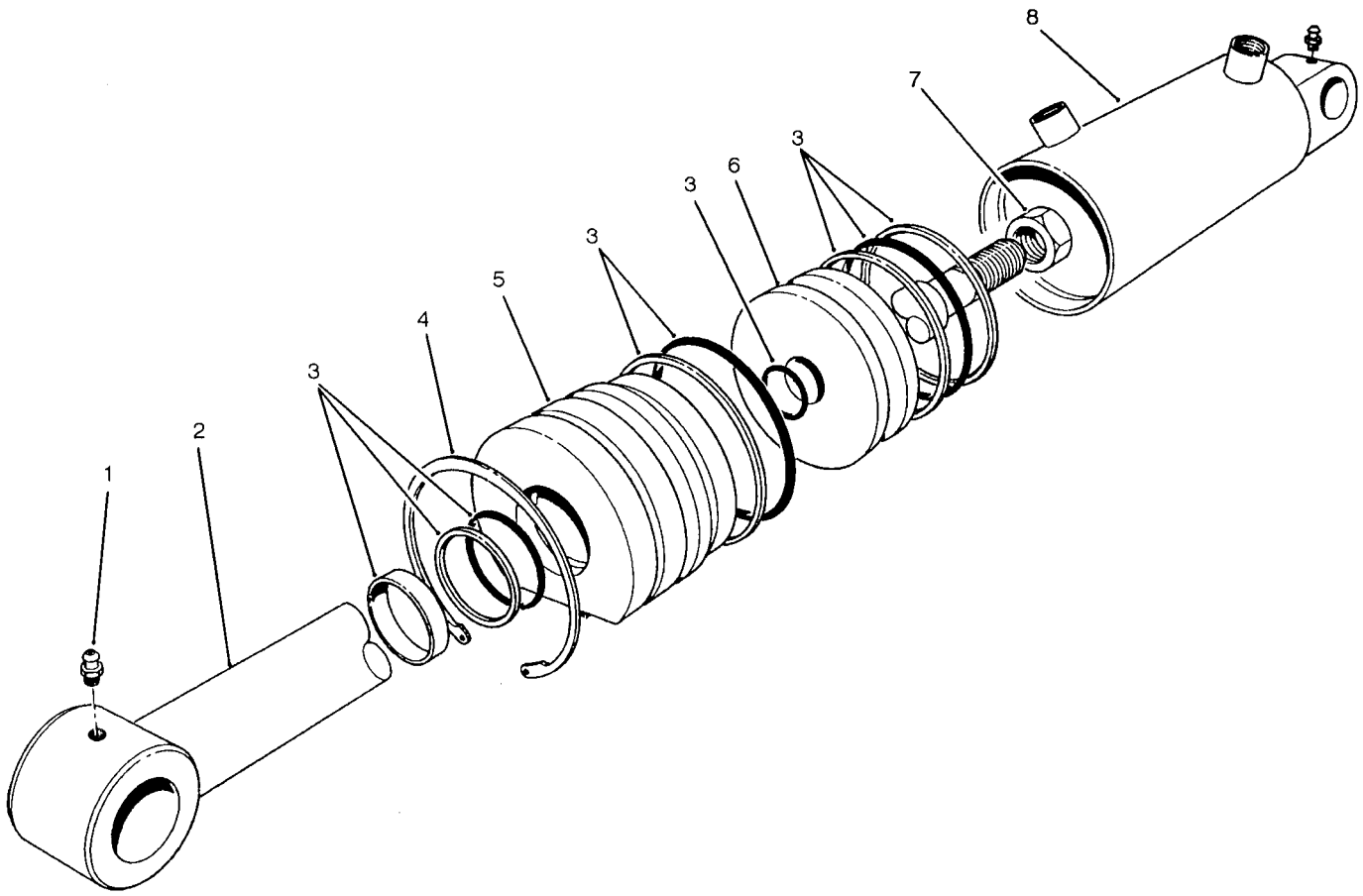
T–0426

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



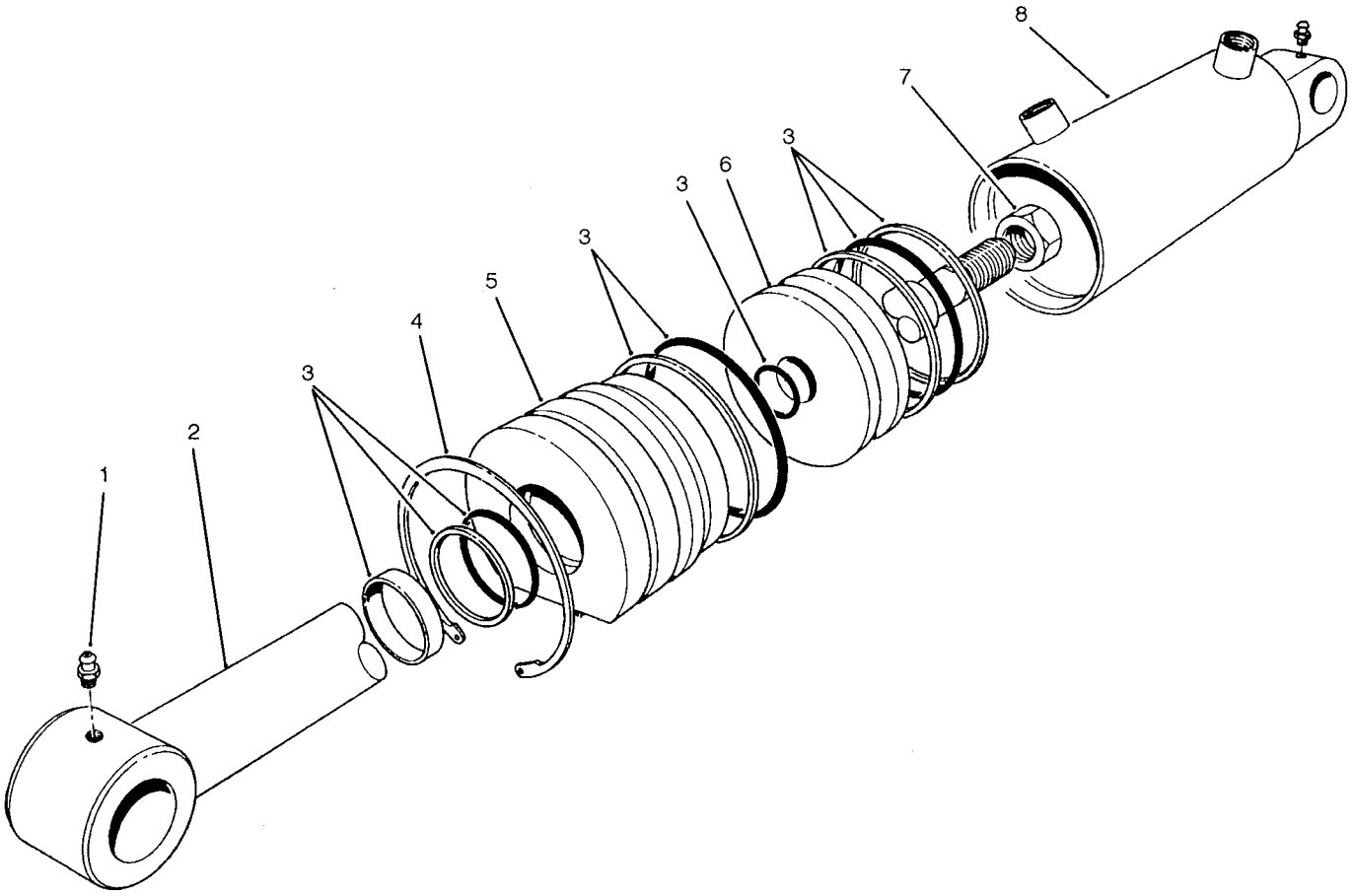
T–0527

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

Ref. No.	Part No.	Description	No. Used
1	302–55	Fitting – Grease	2
2	61–4980	Shaft – w/Clevis	1
3	61–4960	Repair Kit	1
4	61–4990	Ring – Retaining	1

Ref. No.	Part No.	Description	No. Used
5	60–9780	Head	1
6	60–9770	Piston	1
7	60–9760	Nut	1
*8		Barrel	1

*Not available separately.



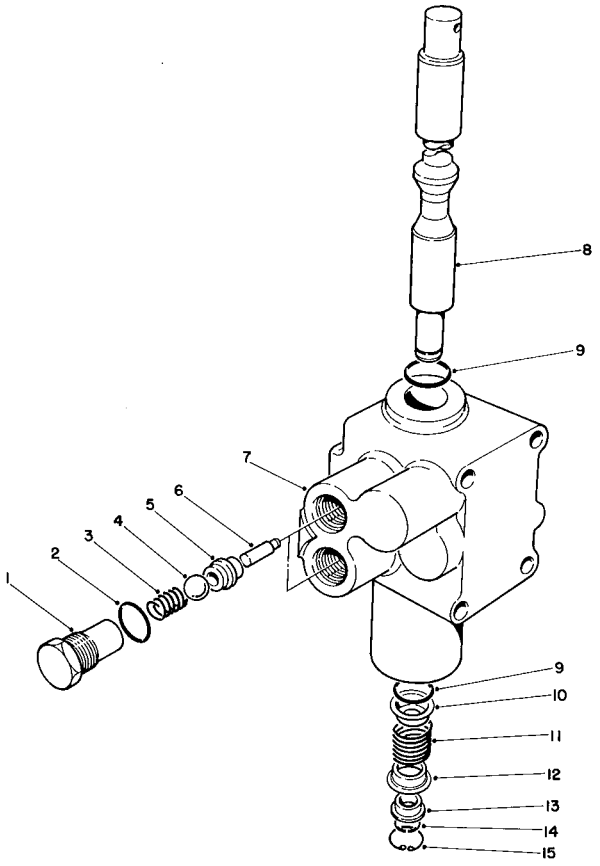
T–0527

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.

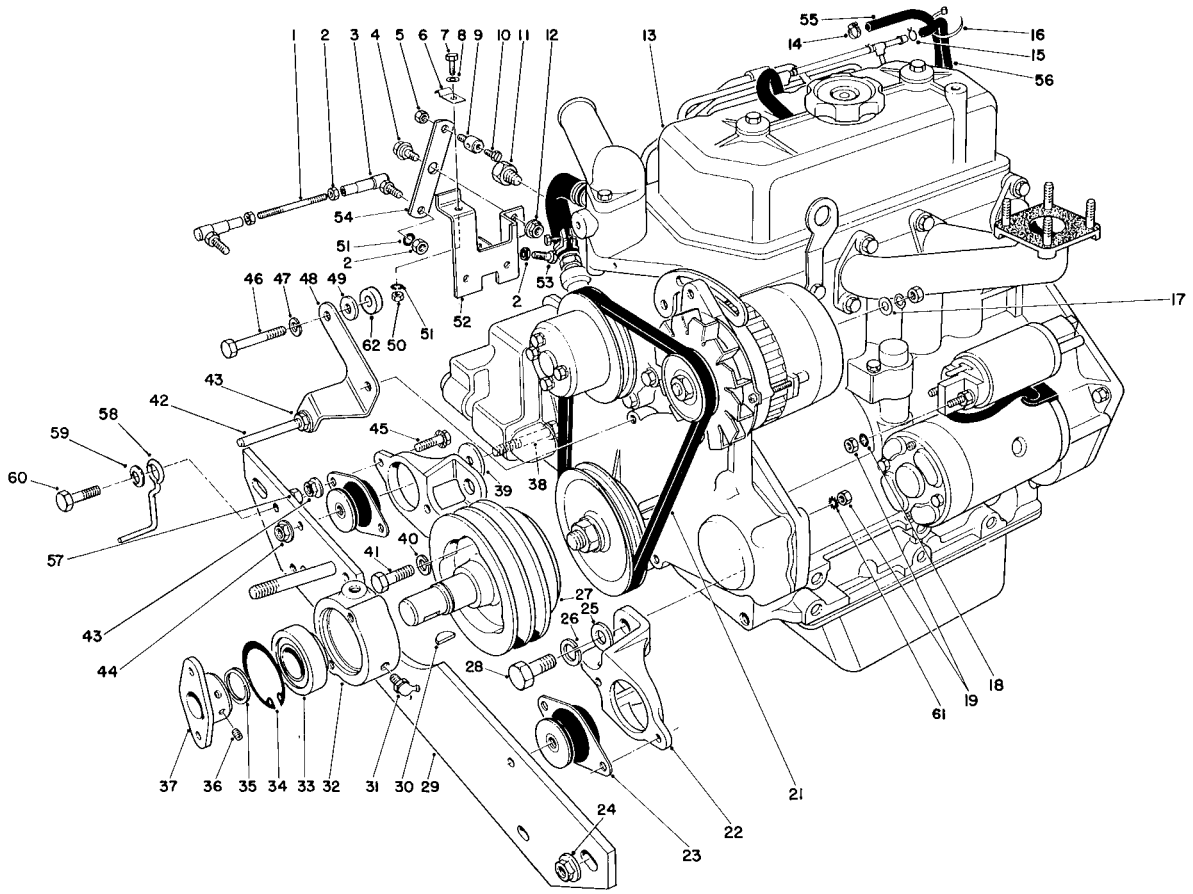


T–0428

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

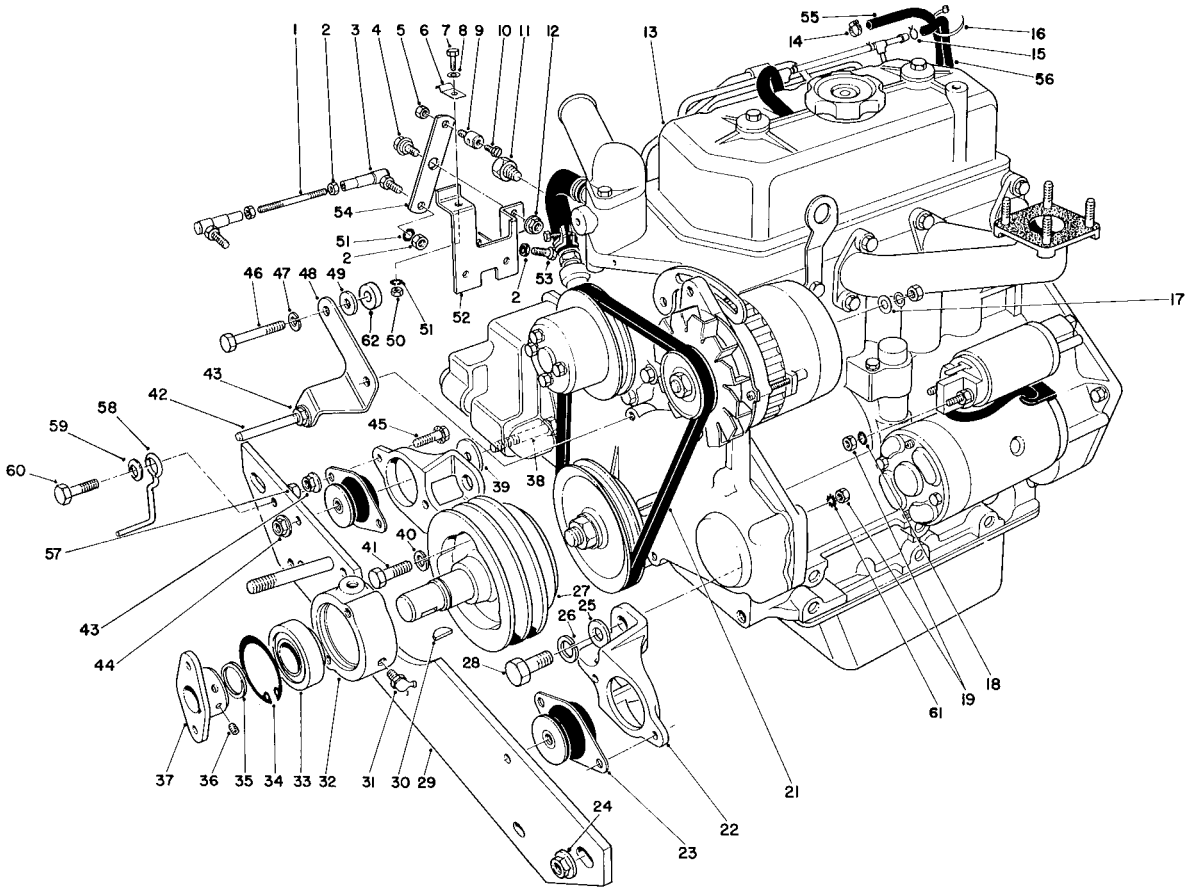


T–0429

ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	43–3770	Link – Throttle	1
2	3219–1	Nut	5
3	18–1720	Ball Joint Assembly	2
4	37–8770	Bolt – Shoulder	1
5	3296–20	Nut – Lock	1
6	2412–31	Clamp – Bodine	1
7	321–4	Screw – Cap, Hex. Hd.	1
8	3256–22	Washer – Flat	1
9	43–3780	Swivel – Throttle Control	1
10	25–8640	Screw – Machine	1
11	43–1940	Adapter – Temp. Gauge	1
12	32152–1	Nut – Lock, Flange	1
13	43–1440	Engine	1
14	2412–108	Clamp – Worm Drive	1
15	2412–79	Clamp	1
16	3290–379	Cable Tie	1
17	5–3637	Washer	1
18	3254–2	Washer – Lock, Int. Tooth	2
19	42–9580	Nut	2
21	42–9100	Belt Fan	1
22	53–9710	Engine Mount	2
23	53–9680	Engine Mount – Rubber	2
24	32128–23	Nut – Lock, Flange	2
25	3256–64	Washer – Flat	4
26	43–5950	Washer – Lock	4
27	43–3510	Pulley – Engine	1

Ref. No.	Part No.	Description	No. Used
28	43–3210	Screw – Cap, Hex. Hd.	4
29	75–9900	Engine Support – Front	1
30	3257–33	Key Woodruff	1
31	302–10	Grease Fitting	1
32	43–3720	Collar – Bearing	1
33	251–252	Ball Bearing	1
34	32120–22	Ring – Retaining, Internal	1
35	32120–69	Ring – Retaining, External	1
36	3245–1	Screw – Set, Socket Head	2
37	27–1960	Hub – Engine	1
38	324–12	Screw – Cap, Hex. Hd.	2
39	53–9480	Washer	2
40	42–9600	Washer – Lock	3
41	43–3190	Screw – Cap, Hex. Hd.	3
42	21–1820	Stud – Belt Retainer	2
43	3290–357	Nut – Lock, Flange	7
44	32128–37	Nut – Lock, Flange	2
45	3234–11	Screw – Cap, Hex. Hd.	4
46	42–9510	Screw – Cap, Hex. Hd.	2
47	3253–4	Washer – Lock	2
48	43–3790	Bracket Belt Guide	1
49	4–2390	Washer	2
50	3217–5	Nut	1
51	3253–3	Washer – Lock	3
52	43–3730	Bracket Throttle Control	1
53	329–7	Screw – Cap, Hex. Hd.	1

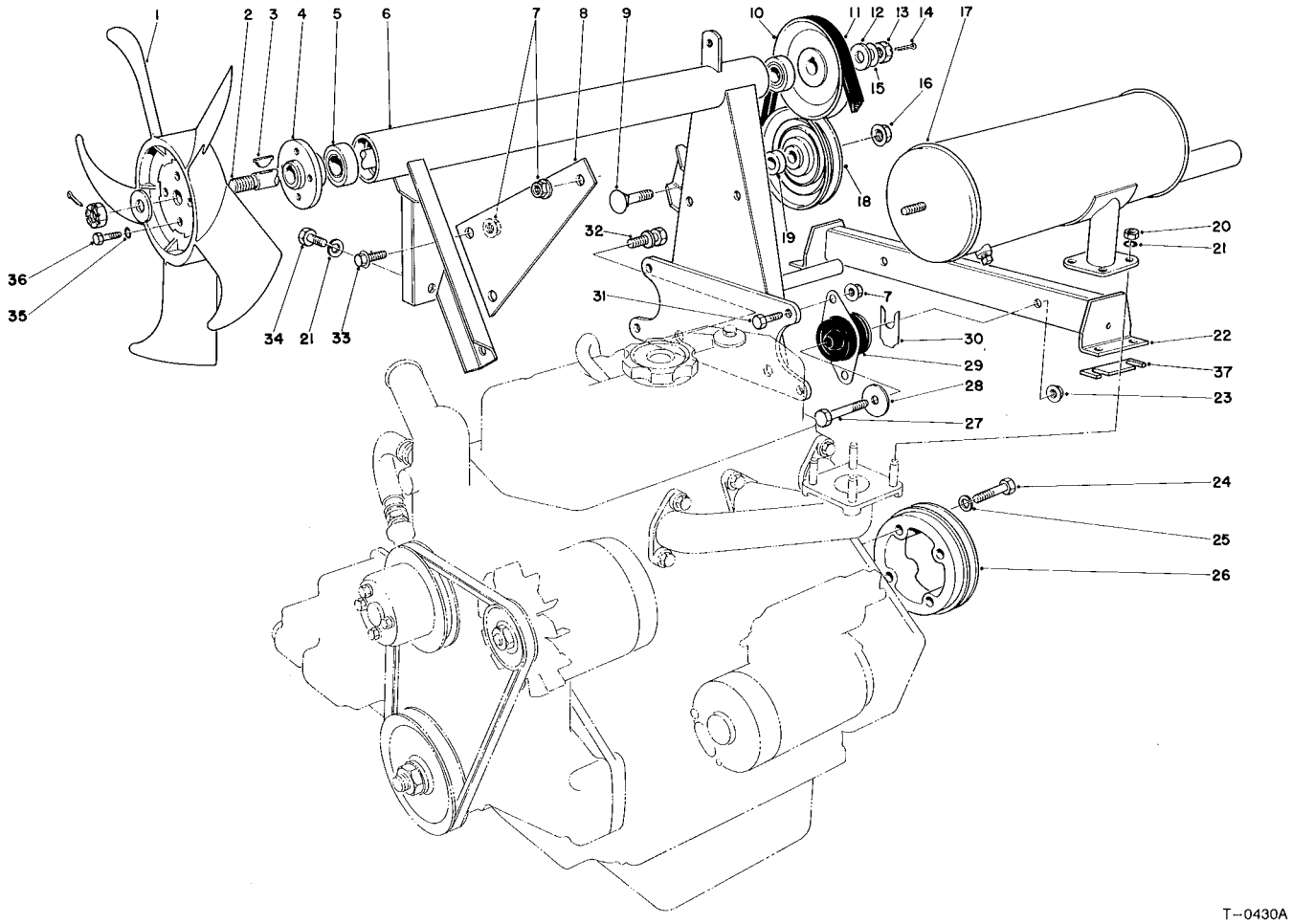


T-0429

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



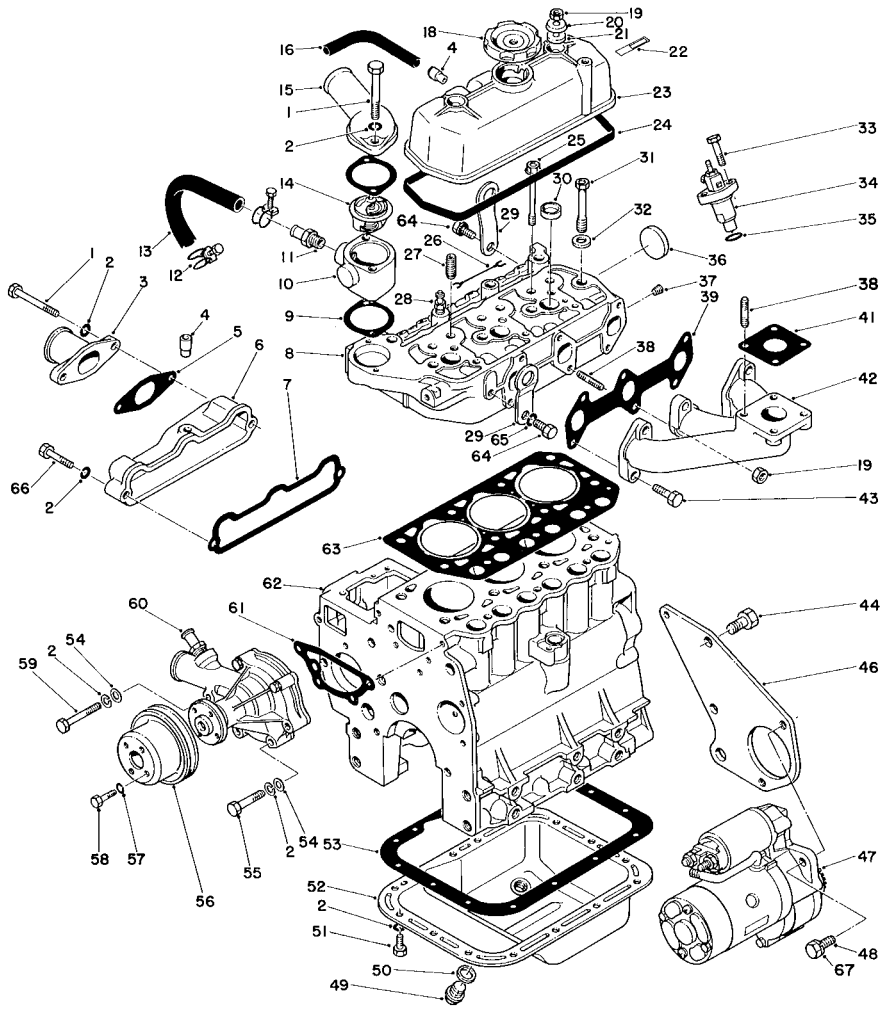
T-0430A

ENGINE ASSEMBLY (Continued)

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

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

*Not Illustrated

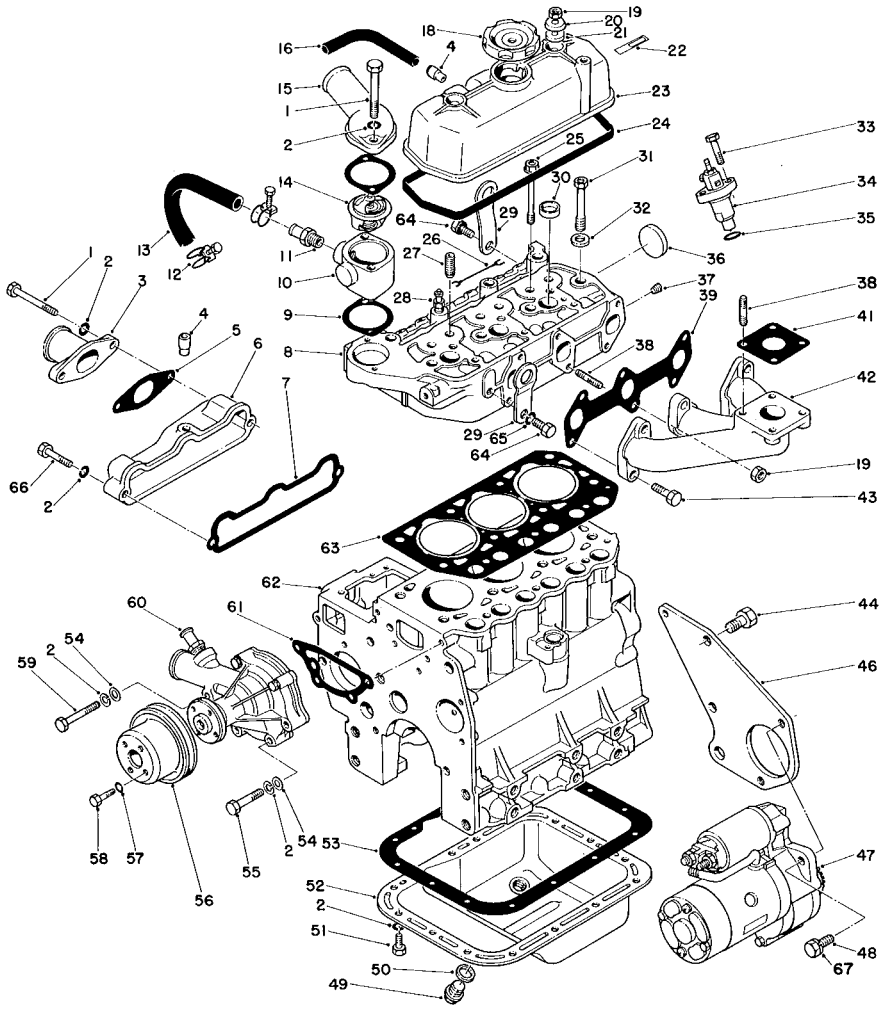


T-0431

ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
1	42-9310	Screw – Cap Hex. Hd.	4
2	42-9850	Washer – Lock	24
3	42-9150	Pipe Inlet	1
4	42-7510	Pipe	2
5	42-9160	Gasket – Inlet Pipe	1
6	42-9120	Assembly – Intake Manifold	1
7	42-9140	Gasket – Intake Manifold	1
8	72-4290	Assemby – 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



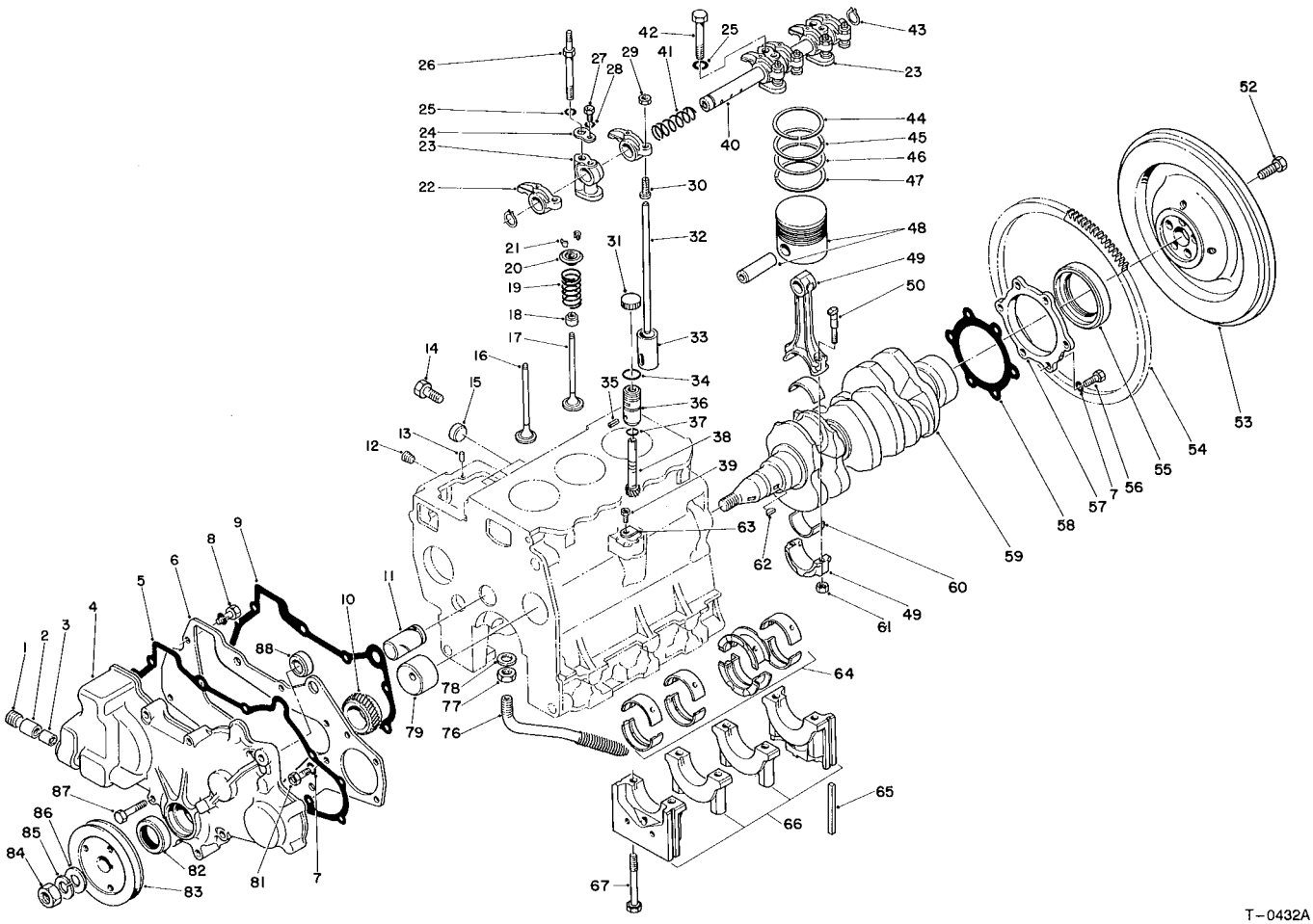
T–0431

ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
52	42–7280	Oil Pan Assembly (Inc. Ref. #49 & 50)	1
53	42–7300	Gasket – Oil Pan	1
54	42–9660	Washer – Plain (8)	4
55	42–9500	Screw – Cap (8 x 45)	3
56	42–9070	Pulley – Water Pump	1
57	43–5930	Washer – Lock	4
58	42–9490	Screw – Cap (6 x 12)	4
59	42–9510	Screw – Cap (8 x 60)	1

Ref. No.	Part No.	Description	No. Used
60	42–9080	Water Pump Assembly	1
61	42–9090	Gasket – Water Pump	1
62	48–2020	Cylinder Block Sub Assy.	1
63	42–7470	Gasket – Cylinder Head	1
64	42–9300	Screw –Cap (10 x 20)	2
65	42–9600	Washer – Lock	2
66	42–9530	Screw – Cap (8 x 40)	1
67	42–9600	Washer – Lock	2
*	42–9200	Complete Gasket Set	1

*Not Illustrated

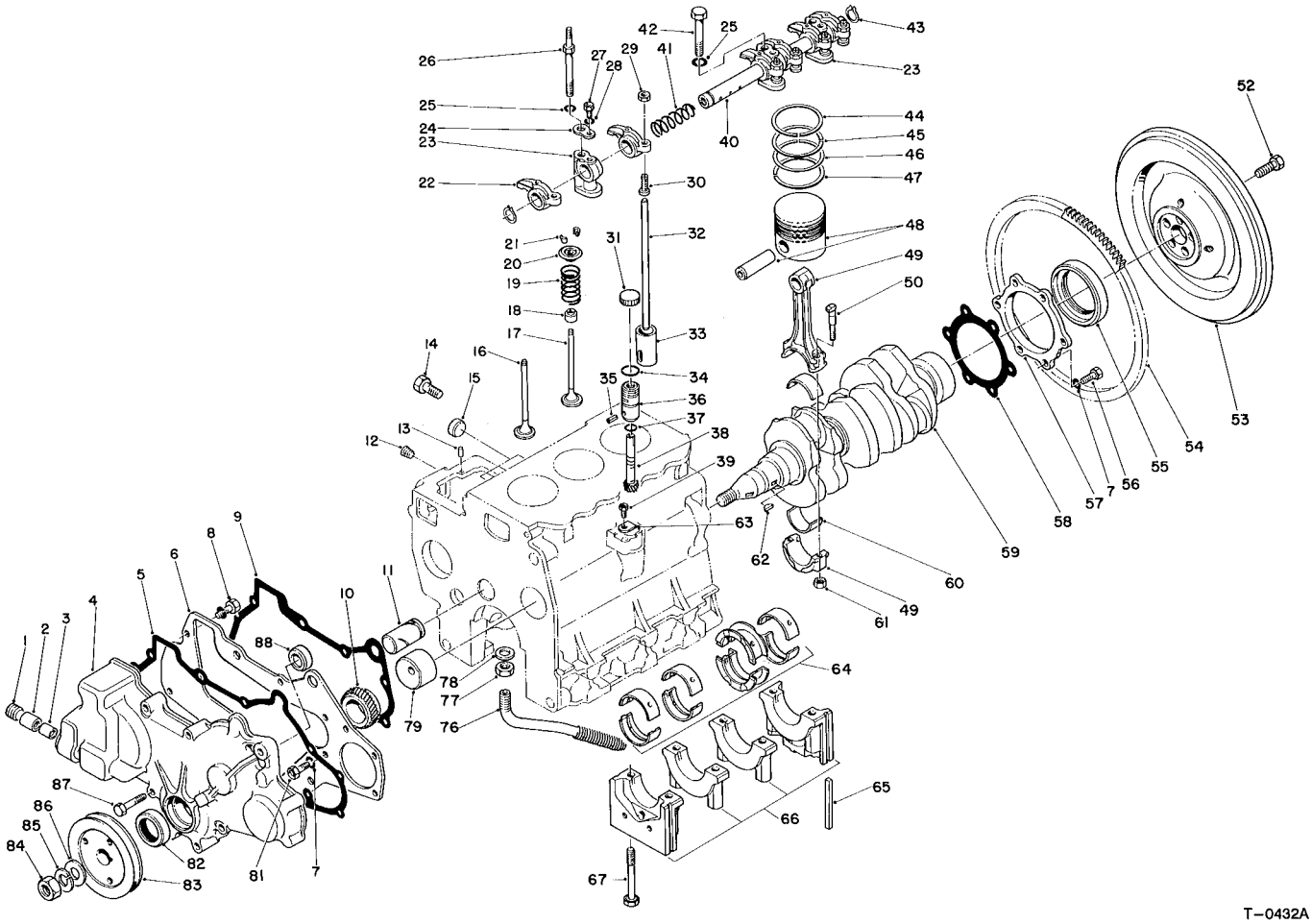


ENGINE ASSEMBLY (Continued)

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



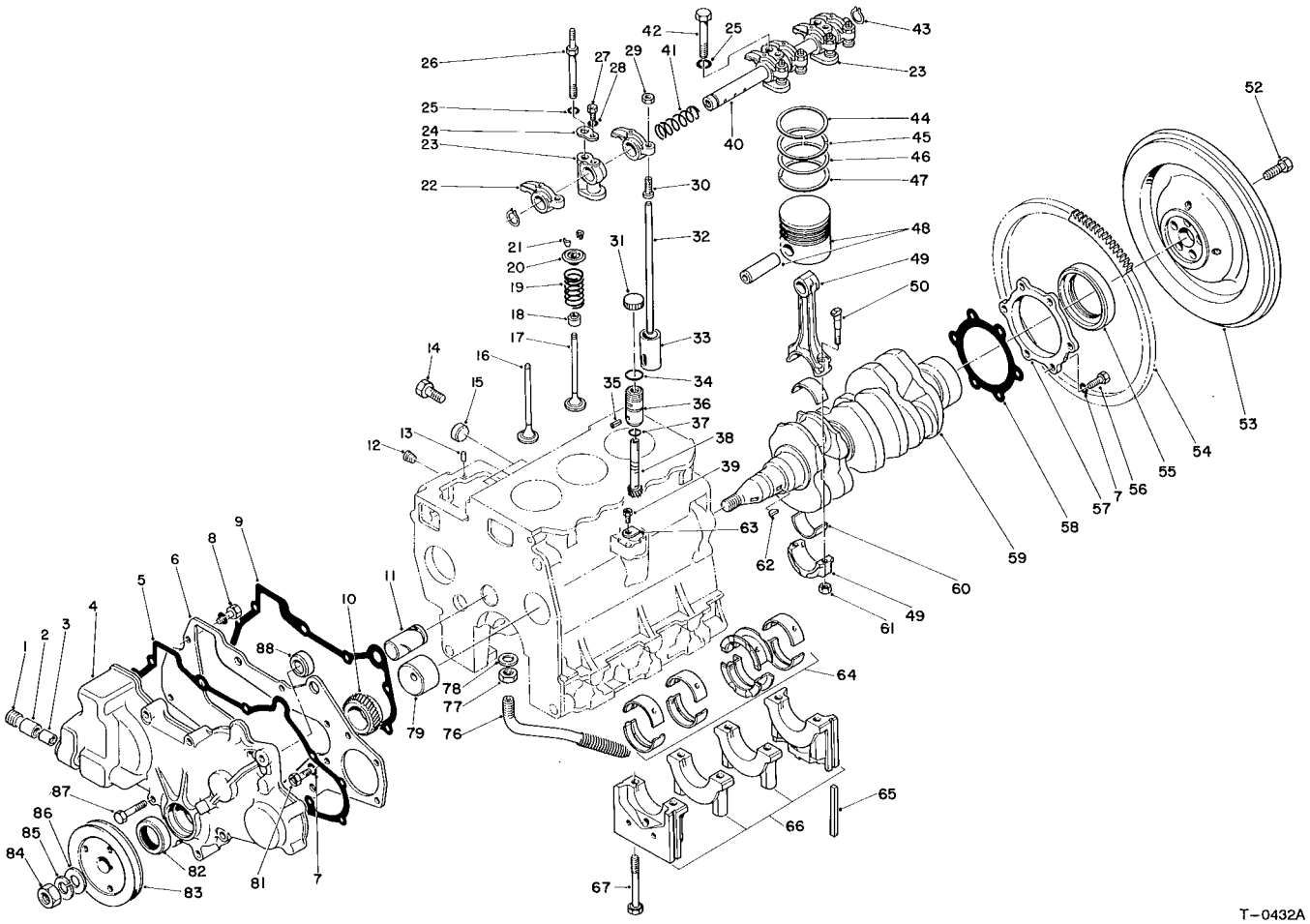
T-0432A

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



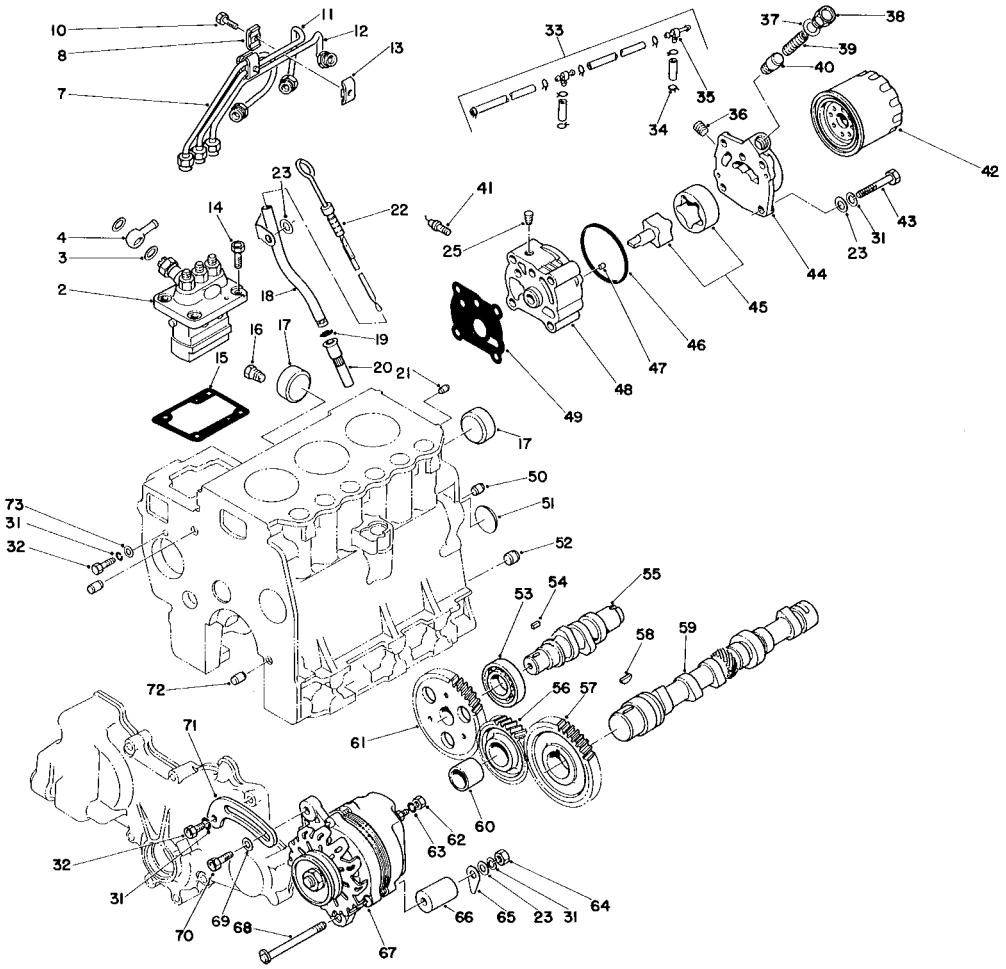
ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
86	42–9810	Washer – Flat	1
87	42–9500	Screw – Cap, Hex. Hd.	8
88	82–2590	Plug – Thrust	1

Ref. No.	Part No.	Description	No. Used
*	42–8960	Driven Unit – Speedometer (Incl. Ref. #34–38)	1

*Not Illustrated
†Not Available

3315–263



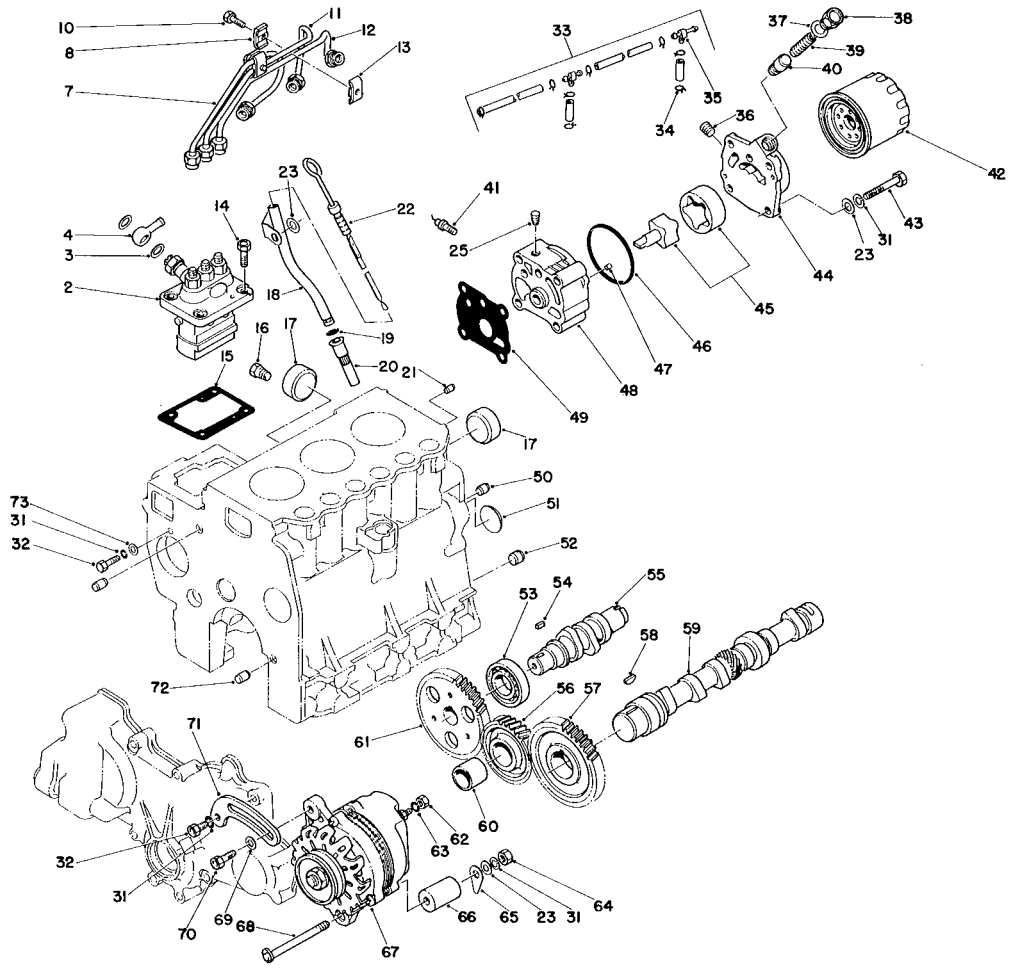
T–0433

ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
2	42–8000	Pump Assy. – Fuel Injection	1
3	42–9830	Washer – Seal	2
4	42–8100	Collar – Union	1
7	42–8130	Pipe Assy. – Fuel Injection (No. 1)	1
8	42–8160	Clamp	2
10	43–2600	Capscrew	2
11	42–8140	Pipe Assy. – Fuel Injection (No. 2)	1
12	42–8150	Pipe Assy. – Fuel Injection (No.3)	1
13	42–8170	Clamp	2
14	43–0110	Screw – Cap, Hex. Hd.	4
15	42–8010	Shim – 0.2 (.008 in.)	A/R
*	42–8020	Shim – 0.3 (.012 in.)	A/R
*	42–8030	Shim – 0.4 (.016 in.)	A/R
*	42–8040	Shim – 0.5 (.020 in.)	A/R
*	42–8050	Shim – 0.6 (.024 in.)	A/R
*	42–8060	Shim – 0.7 (.028 in.)	A/R
*	42–8070	Shim – 0.8 (.032 in.)	A/R
*	42–8080	Shim – 0.9 (.036 in.)	A/R
*	42–8090	Shim – 1.0 (.039 in.)	A/R
16	281–1	Plug – Taper	1
17	42–7090	Cap – Sealing	2
18	42–7050	Guide – Oil Level Gauge	1
19	43–2710	O–Ring	1

Ref. No.	Part No.	Description	No. Used
20	43–2900	Retainer – Oil Level Guide	1
21	42–7160	Pin – Dowel	1
22	42–7270	Oil Level Gauge Assembly	1
23	42–9660	Washer – Flat	6
25	42–7410	Plug – Taper	1
31	42–9850	Washer – Lock	7
32	42–9230	Screw – Cap, Hex. Hd.	2
33	42–8180	Fuel Return Pipe Assembly	1
34	2412–79	Clamp – Hose	8
35	42–8190	Joint	2
36	42–7210	Plug – Taper	1
37	42–8880	Gasket	1
38	42–8870	Plug	1
39	42–8930	Spring – Relief	1
40	42–8860	Plunger – Relief	1
41	42–9060	Oil Pressure Switch Assy.	1
42	42–9030	Filter Assembly – Oil	1
43	42–9480	Screw – Cap, Hex. Hd.	4
44	42–8920	Cover – Oil Pump	1
45	42–8910	Rotor Assembly – Oil Pump	1
46	42–8940	O–Ring	1
47	42–7030	Pin – Dowel	2
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



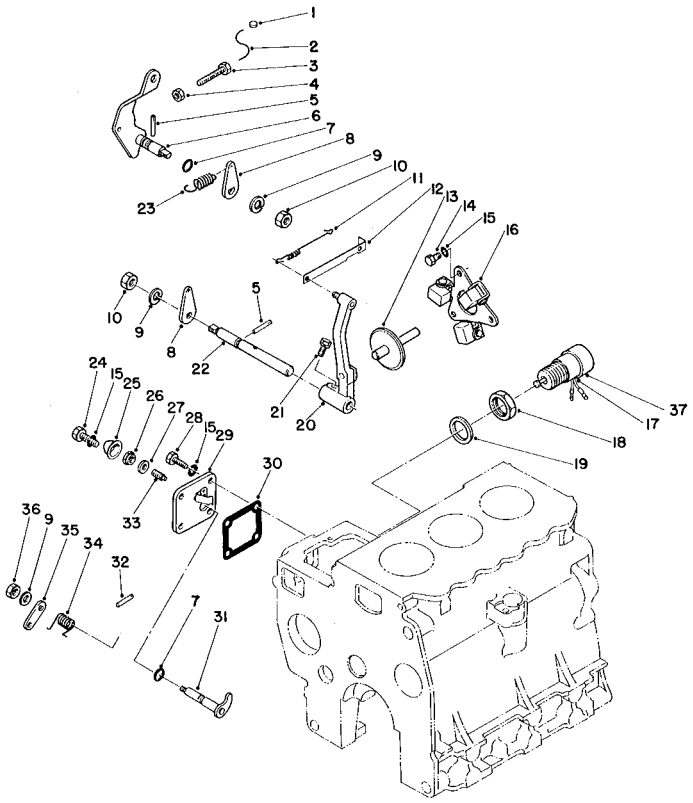
T-0433

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

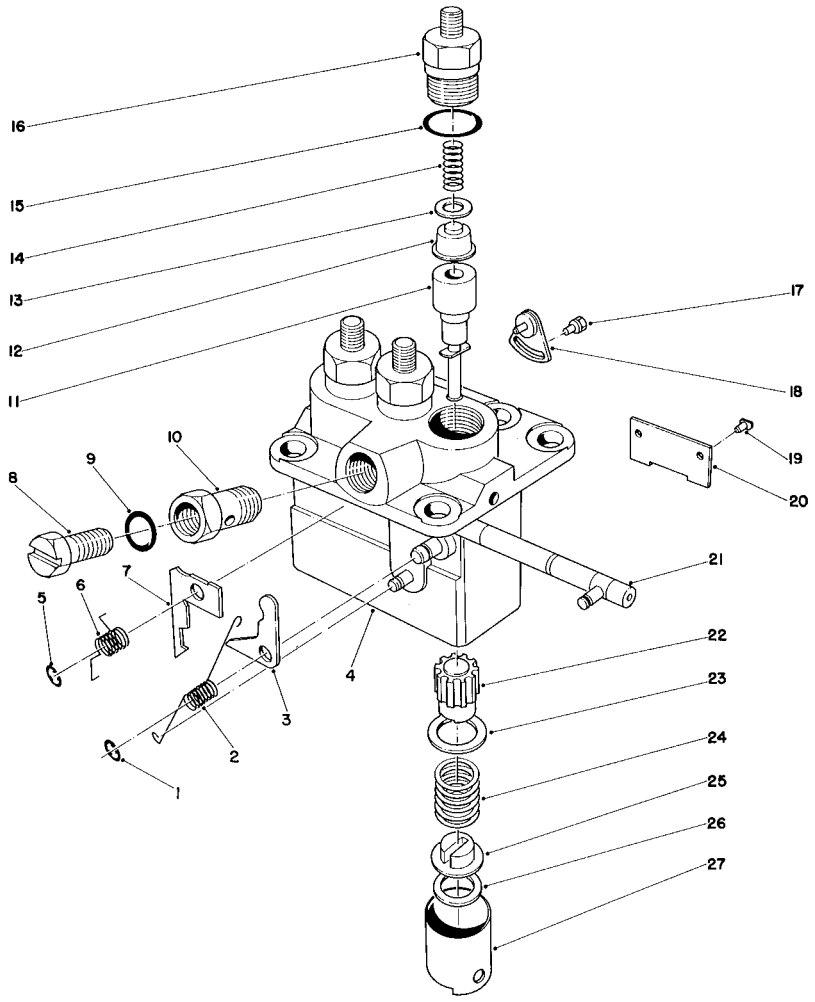


T–0434

ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
1	42–8690	Metal – Sealing	1
2	42–8700	Wire	1
3	42–9420	Bolt – High Speed Set	1
4	43–2830	Nut	1
5	42–8810	Pin – Grooved	2
6	42–8780	Speed Control Lever Assy.	1
7	42–8830	O–Ring	2
8	42–8770	Lever – Governor Spring	2
9	42–9850	Washer – Lock	2
10	42–9580	Nut – Jam	2
11	42–8740	Spring – Tie Rod	1
12	42–8750	Tie Rod	1
13	42–8720	Sliding Shaft Assembly	1
14	42–9430	Screw – Cap, Hex. Hd.	3
15	43–5930	Washer – Lock	7
16	42–8710	Weight Assy. – Governor	1
17	43–2730	Solenoid – Tubular	1
18	43–2750	Nut	1
19	43–2740	Gasket	1

Ref. No.	Part No.	Description	No. Used
20	42–8730	Governor Lever Assembly	1
21	42–9450	Bolt/Washer – Assembled	1
22	42–8760	Governor Shaft	1
23	42–8820	Governor Spring	1
24	43–2800	Screw – Cap, Hex. Hd.	1
25	43–2820	Sealing Cap	1
26	43–5960	Nut – Special	1
27	43–3120	Washer – Seal	1
28	42–9400	Screw – Cap, Hex. Hd.	3
29	42–8790	Cover Assembly (Incl. Ref. #25, 27 & 33)	1
30	42–8800	Gasket Cover	1
31	44–8090	Lever Assembly Stop	1
32	42–8810	Pin – Grooved	1
33	43–3160	Screw – Adjusting	1
34	44–8100	Spring Return	1
35	43–2770	Lever – Stop	1
36	42–9640	Nut – Jam	1
37	62–6940	Cap	1



T-0435

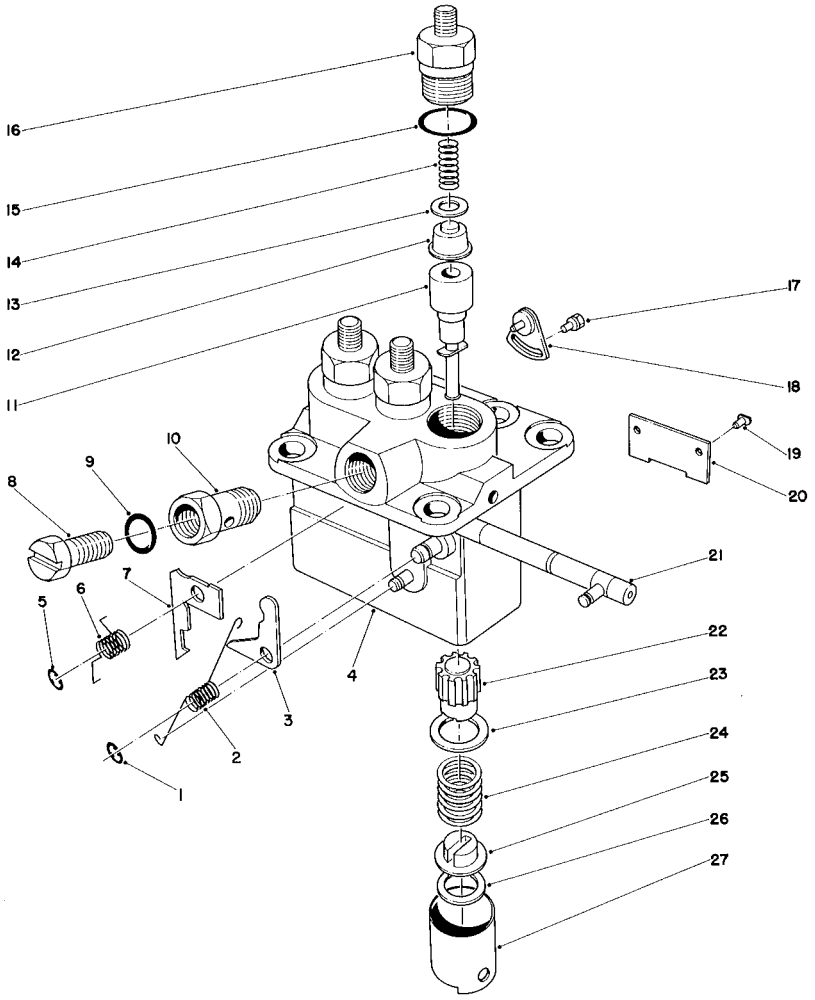
FUEL INJECTION PUMP ASSEMBLY NO. 42-8000

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

3315-263



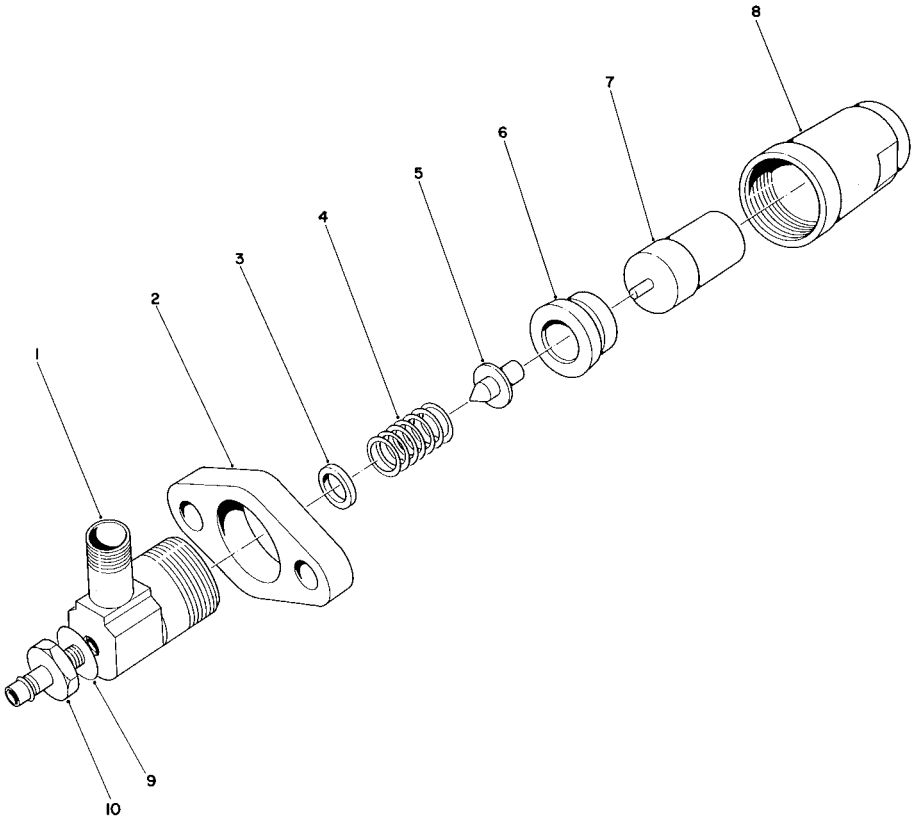
T-0435

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

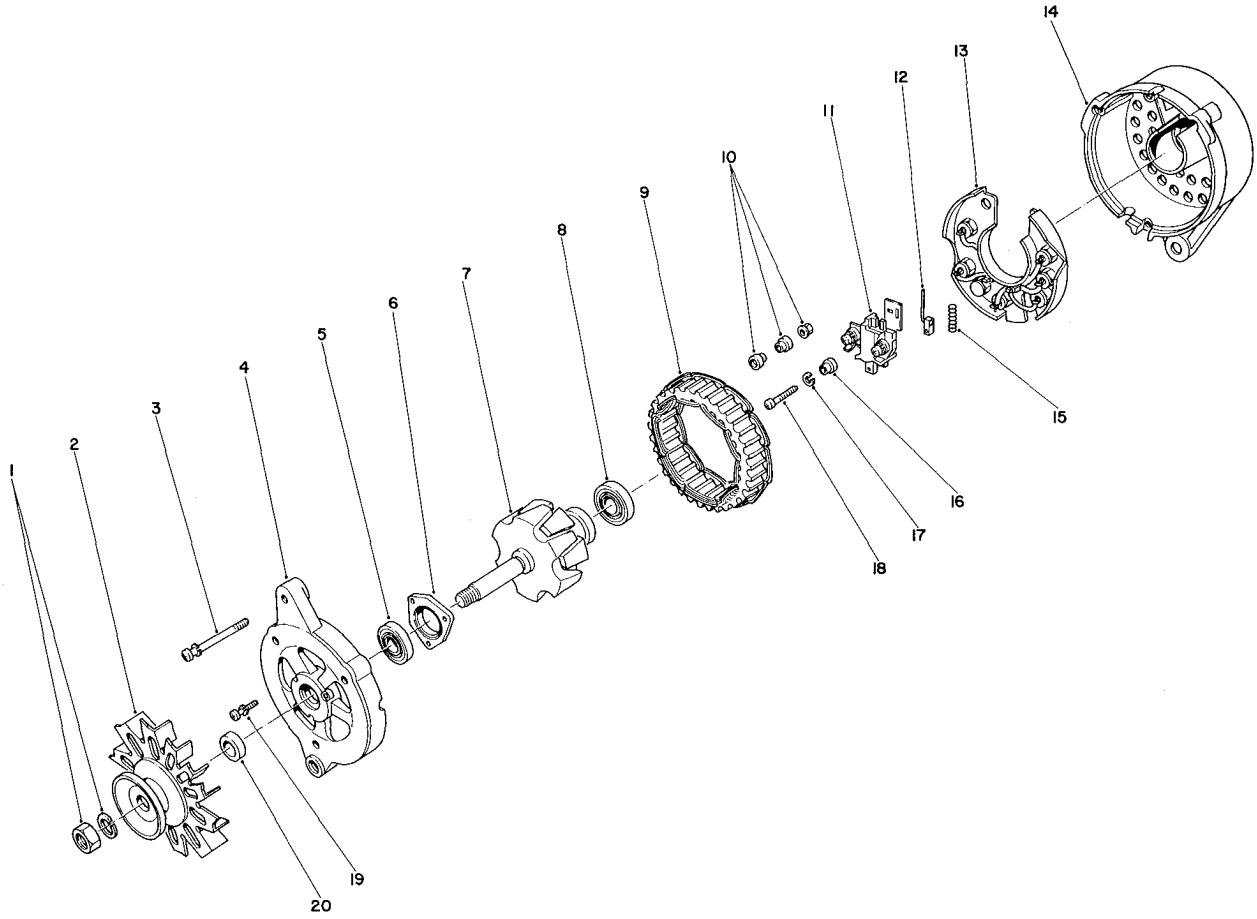


T-0436

NOZZLE & HOLDER ASSEMBLY NO. 44-8070

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

*Not Illustrated

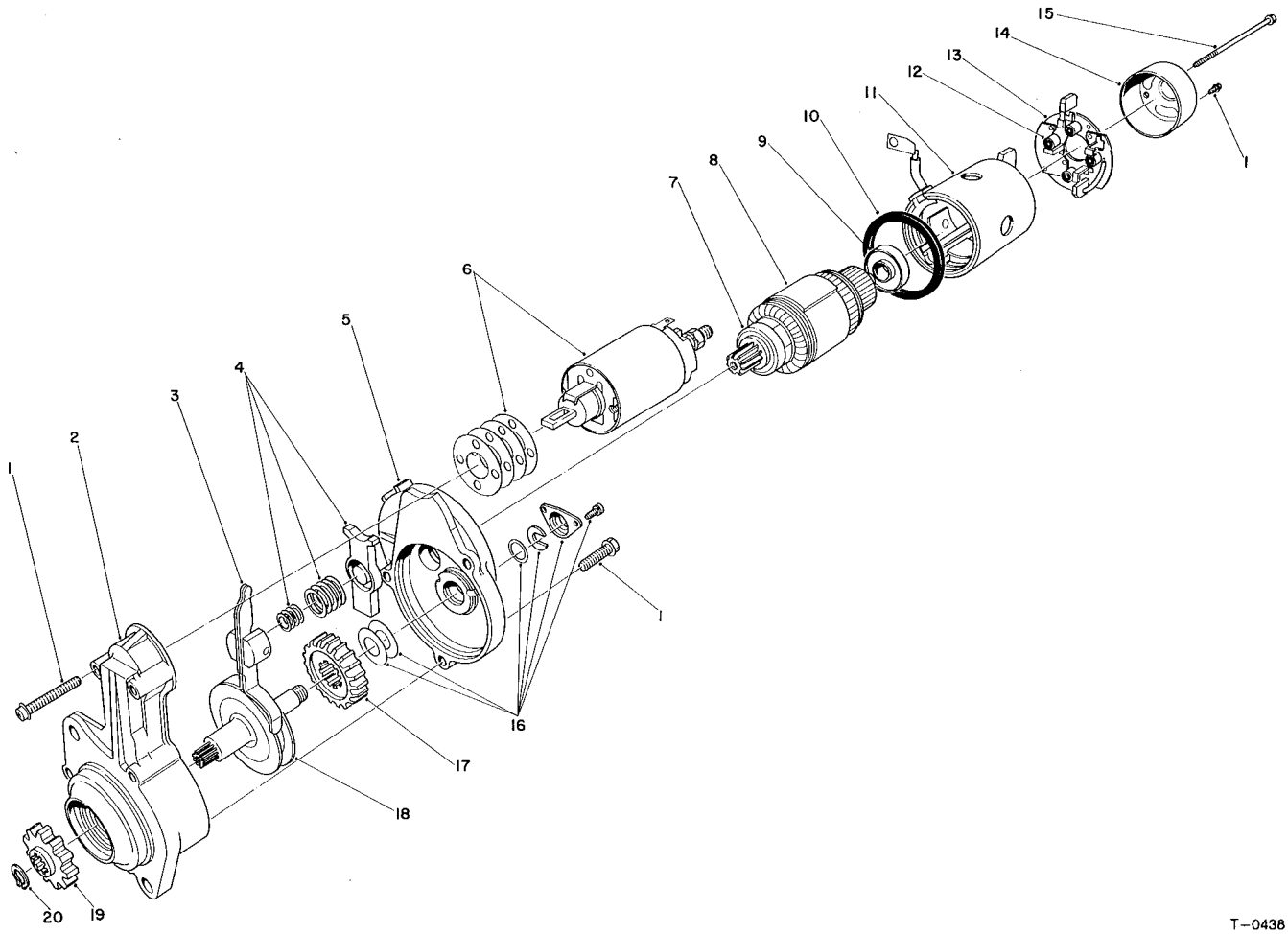


T-0437

ALTERNATOR ASSEMBLY NO. 43-0390

Ref. No.	Part No.	Description	No. Used
1	43-1920	Nut Set	1
2	43-0420	Pulley Assembly (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



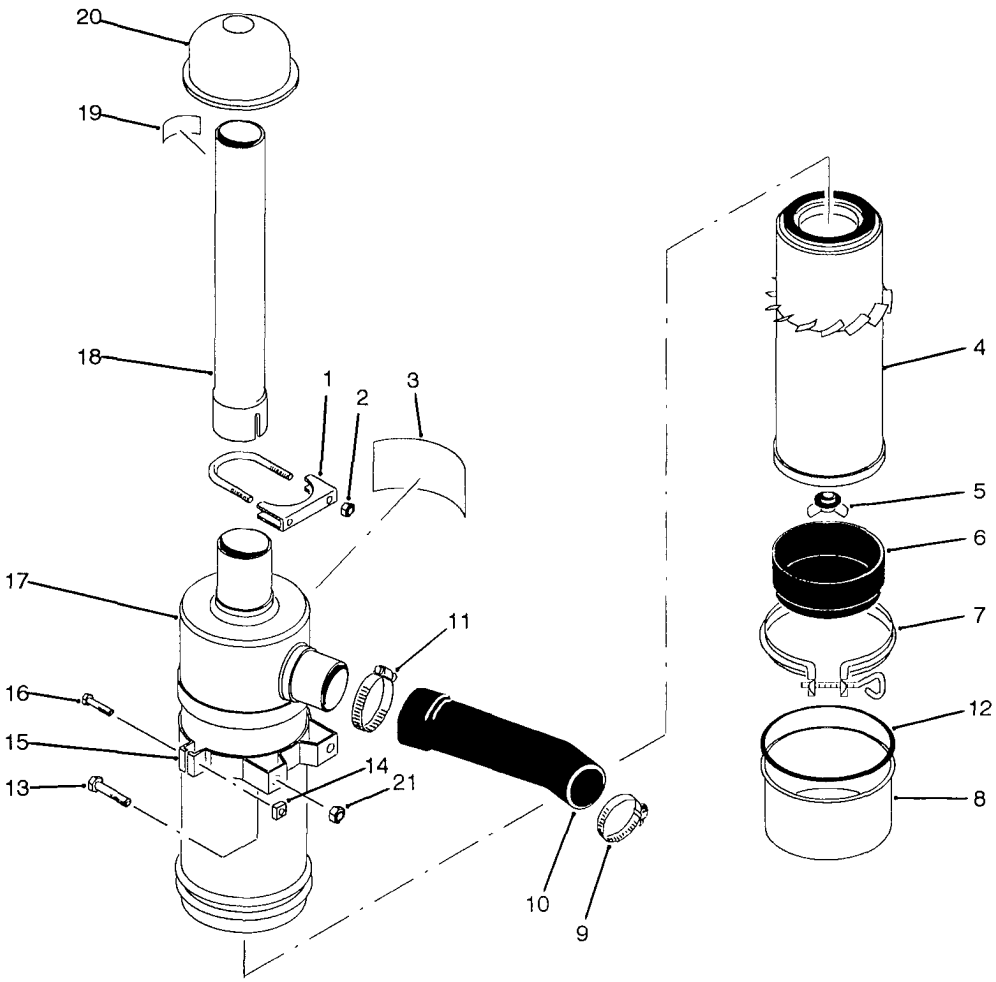
T-0438

STARTER ASSEMBLY NO. 46-7610

Ref. No.	Part No.	Description	No. Used
1	46-7620	Screw - Set	1
2	46-7630	Bracket Assembly - Front	1
3	46-7640	Lever Assembly	1
4	43-0190	Spring Set	1
5	46-7650	Bracket Assembly - Center	1
6	46-7660	Switch Assembly	1
7	46-7680	Bearing - Front	1
8	46-7670	Armature Set (Incl. Ref. #7 & 9)	1
9	46-7690	Bearing - Rear	1
10	46-8050	Packing	1
11	46-7780	Yoke Assembly	1
12	46-8030	Spring - Brush	4

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

*Not Illustrated

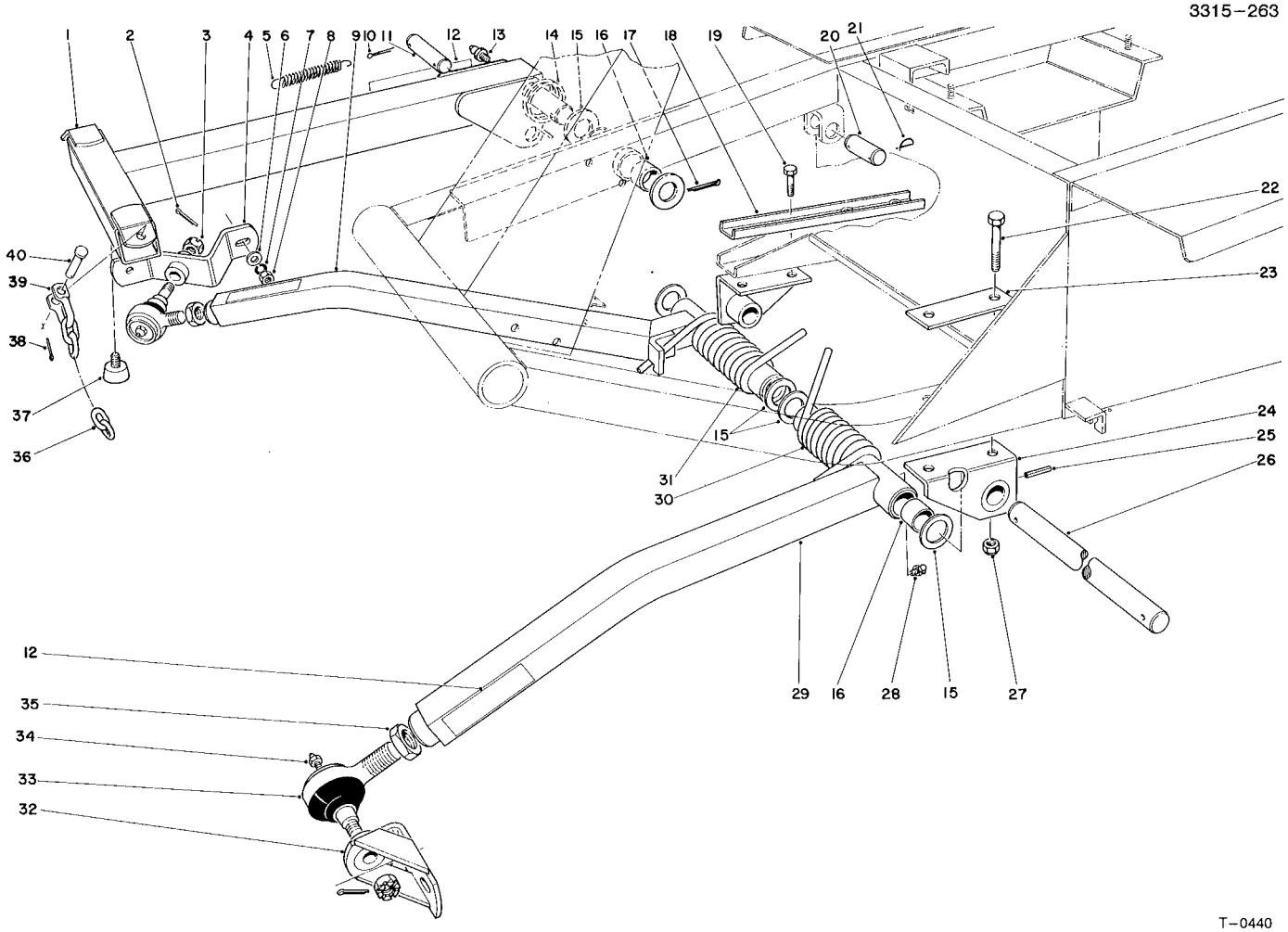


T-0439

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
1	66–6370	Lift Arm	1
2	3272–11	Cotter Pin	2
3	32136–2	Nut	2
4	21–3020	Ball Joint Mount R.H.	1
5	21–1830	Spring Tension	1
6	3256–25	Washer – Flat	1
7	3253–6	Washer – Lock	2
8	3217–8	Nut –Full	2
9	66–7150	Push Arm R.H. (Incl. Ref. #16 & 28)	1
10	3272–24	Cotter Pin	1
11	24–9510	Pin	1
12	61–3610	Warning Decal	3
13	302–5	Grease Fitting	1
14	46–8840	Spring – Lift Arm	1
15	5–1754	Washer	6
16	256–126	Bushing	6
17	3272–33	Cotter Pin	1
18	23–1950	Support Reinforcement	1
19	324–4	Screw – Cap, Hex. Hd.	2
20	3–7292	Pin	1

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

TORO PART NUMBER INDEX

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

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

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

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

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

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

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

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

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

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

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

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

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

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

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

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
3256-64	Washer – Flat	30	25	4
3257-5	Woodruff Key	8	11	3
3257-30	Key – Woodruff	32	3	2
3257-32	Woodruff Key	22	15	1
3257-32	Woodruff Key	24	21	1
3257-33	Key Woodruff	30	30	1
3258-19	Screw – Mach. Rd. Hd.	46	16	2
3272-5	Cotter Pin	10	7	3
3272-6	Cotter Pin	26	8	1
3272-6	Cotter Pin	10	21	6
3272-10	Cotter Pin	8	8	1
3272-10	Cotter Pin	47	38	3
3272-10	Cotter Pin	23	54	1
3272-11	Cotter Pin	47	2	2
3272-11	Cotter Pin	8	28	1
3272-13	Pin – Cotter	19	26	2
3272-16	Cotter Pin	32	14	2
3272-22	Cotter Pin	8	17	2
3272-24	Cotter Pin	47	10	1
3272-33	Cotter Pin	47	17	1
3274-47	Screw – Flat Hd. Socket	10	33	1
3290-134	Screw – Hex. Hd. Mach.	3	4	2
3290-144	Screw – Machine	1	17	6
3290-224	Washer – Lock	31	59	1
3290-271	Rivet	5	9	4
3290-357	Nut – Lock, Flange	32	7	8
3290-357	Nut – Lock, Flange	7	14	6
3290-357	Nut – Lock, Flange	1	26	5
3290-357	Nut – Lock, Flange	30	43	7
3290-378	Cable Tie	6	8	A/R
3290-378	Cable Tie	1	23	2
3290-379	Cable Tie	30	16	1
3290-379	Cable Tie	5	29	4
3290-379	Cable Tie	3	41	1
3290-379	Tie – Cable	12	16	3
3290-424	Screw – Hex. Hd. Mach.	3	28	1
3296-2	Nut	1	14	6
3296-4	Nut – Lock	12	30	4
3296-6	Nut – Lock	8	34	1
3296-16	Nut – Lock	5	44	1
3296-16	Nut – Lock	9	74	1
3296-20	Nut – Lock	30	5	1
3296-20	Nut – Lock	15	22	2
3296-28	Nut – Lock	8	27	1
3296-29	Nut – Lock	22	4	1
3296-29	Nut – Lock	12	36	2
3296-29	Nut – Lock	9	64	2
3296-42	Nut – Lock	22	10	6
3296-42	Nut – Lock	26	10	5
32103-2	Nut – Wing	1	11	3
32103-2	Nut – Wing	5	37	2
32104-6	Screw – Hex. Hd. Tapping	9	56	4
32104-6	Screw – Self Tapping	15	1	2
32104-96	Screw – Cap, Hex. Hd.	15	6	1
32104-116	Screw –Self Tapping	5	17	8
32107-11	Nut	46	14	2
32120-8	Retaining Ring	24	1	1
32120-11	Retaining Ring	24	47	1
32120-15	Retaining Ring	24	45	1
32120-22	Ring – Retaining	8	42	2
32120-22	Ring – Retaining, Internal	30	34	1
32120-69	Ring – Retaining, External	30	35	1
32120-72	Ring – Retaining External	22	43	1
32121-6	Pin – Roll	22	11	1
32121-9	Pin – Roll	8	49	1
32121-15	Roll Pin	17	30	1
32121-16	Pin – Roll	10	24	1
32121-24	Pin – Roll	23	55	1
32121-34	Pin – Roll	8	45	2
32121-73	Pin – Slotted Spring	26	9	1
32121-84	Roll Pin	47	25	2
32121-91	Pin – Coil ,Spring	24	49	3
32128-17	Nut – Lock, Flange Hd.	3	26	3
32128-20	Nut – Flange	46	21	4
32128-20	Nut – Flange	15	37	3
32128-20	Nut – Flange	12	41	1
32128-20	Nut – Hex. Hd. Flange	5	2	11
32128-20	Nut – Lock, Flange	2	37	1
32128-21	Nut – Flange Hd.	5	28	3
32128-21	Nut – Lock, Flange	1	5	10
32128-23	Nut – Lock, Flange	19	5	4
32128-23	Nut – Lock, Flange	32	16	1
32128-23	Nut – Lock, Flange	30	24	2
32128-25	Nut – Flange Lock	11	53	2
32128-33	Nut – Lock, Flange	2	39	5
32128-37	Nut – Lock, Flange	32	23	2
32128-37	Nut – Lock, Flange	30	44	2
32128-42	Nut – Flange Lock	47	27	4
32128-45	Nut – Lock	19	37	2
32136-2	Nut	47	3	2
32136-3	Nut – Hex. Slotted	32	13	2
32136-5	Nut – Slotted	19	25	2
32144-10	Screw – Cap,Thd. Forming	20	52	2
32144-10	Screw – Hex. Hd. Self Tap	12	6	6
32144-10	Screw – Hex. Hd. Self Tap	7	33	2
32144-10	Screw – Self Tapping	26	4	2
32144-10	Screw – Self-Tapping	5	1	5
32144-10	Screw, Self-Tapping	2	45	11
32144-21	Screw	12	45	1
32144-53	Screw – Thread Forming	15	11	5
32144-67	Screw – Hex. Hd. Self Tap	15	36	4
32146-20	Nut – Lock	19	9	1
32149-2	Nut	6	9	2
32149-2	Nut	6	22	2
32149-2	Nut	10	37	1
32149-2	Nut – Lock	3	33	3
32151-36	Ring – Retaining	19	12	3
32151-46	Retaining Ring	24	27	2
32152-1	Nut – Lock	22	19	8
32152-1	Nut – Lock, Flange	30	12	1
32153-2	Nut – Hex.	12	11	2
32153-2	Nut – Lock	10	30	2
32153-2	Nut – Lock	31	57	1
340-54	Fitting 45°	19	15	2
340-70	Nut – Lock, Bulkhead	5	26	2
340-71	Union – Bulkhead	5	25	2
340-77	Elbow	22	12	1
340-97	Fitting – 90°	26	25	1
340-99	Elbow	22	13	1
340-99	Fitting – 90° Elbow	26	12	1
340-110	Elbow – 90°	26	24	1
340-112	Elbow— 90°	26	18	1
353-508	Plug – Drain	22	41	1
353-512	Plug	26	1	1
353-550	Plug – Hex. Hd.	24	19	2
353-551	Plug – Hex. Hd.	24	32	1
353-702	Hose Barb	6	18	1
353-975	Hose Barb	6	6	1
353-987	Elbow	22	35	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
Main Frame	1–2
Instrument Panel Assembly	3
Electrical Schematic	4
Radiator & Hood Assembly	5
Fuel Filter Assembly	6
Interlock Assembly	7
Power Take Off Assembly	8–9
Brake Pedal Assembly	10–11
Power Steering Assembly	12
Power Steering Valve Assembly No. 63–9250	13
Hydraulic Schematic	14
Front Axle and Fuel Tank Assembly	15
Differential Assembly No. 86–9600	16–17
Brake Assembly	18
Rear Axle and Wheel Assembly	19–20
Hydraulic Steering Cylinder Assembly No. 63–9240	21
Hydrostatic Transmission	22–23
Transmission Assembly No. 48–1790	24–25
Valve and Cylinder Assembly	26
Hydraulic Lift Cylinder Assembly No. 62–4250 (2–1/2" Bore)	27
Hydraulic Lift Cylinder Assembly No. 66–1250 (3" Bore) (Opt.)	28
Control Valve Assembly No. 43–1710	29
Engine Assembly	30–40
Fuel Injection Pump Assembly No. 42–8000	41–42
Nozzle and Holder Assembly No. 44–8070	43
Alternator Assembly No. 43–0390	44
Starter Assembly No. 46–7610	45
Air Cleaner Assembly	46
Push Arm Assembly	47
TORO Part Number Index	48–56

MAINTENANCE RECORD

Date								