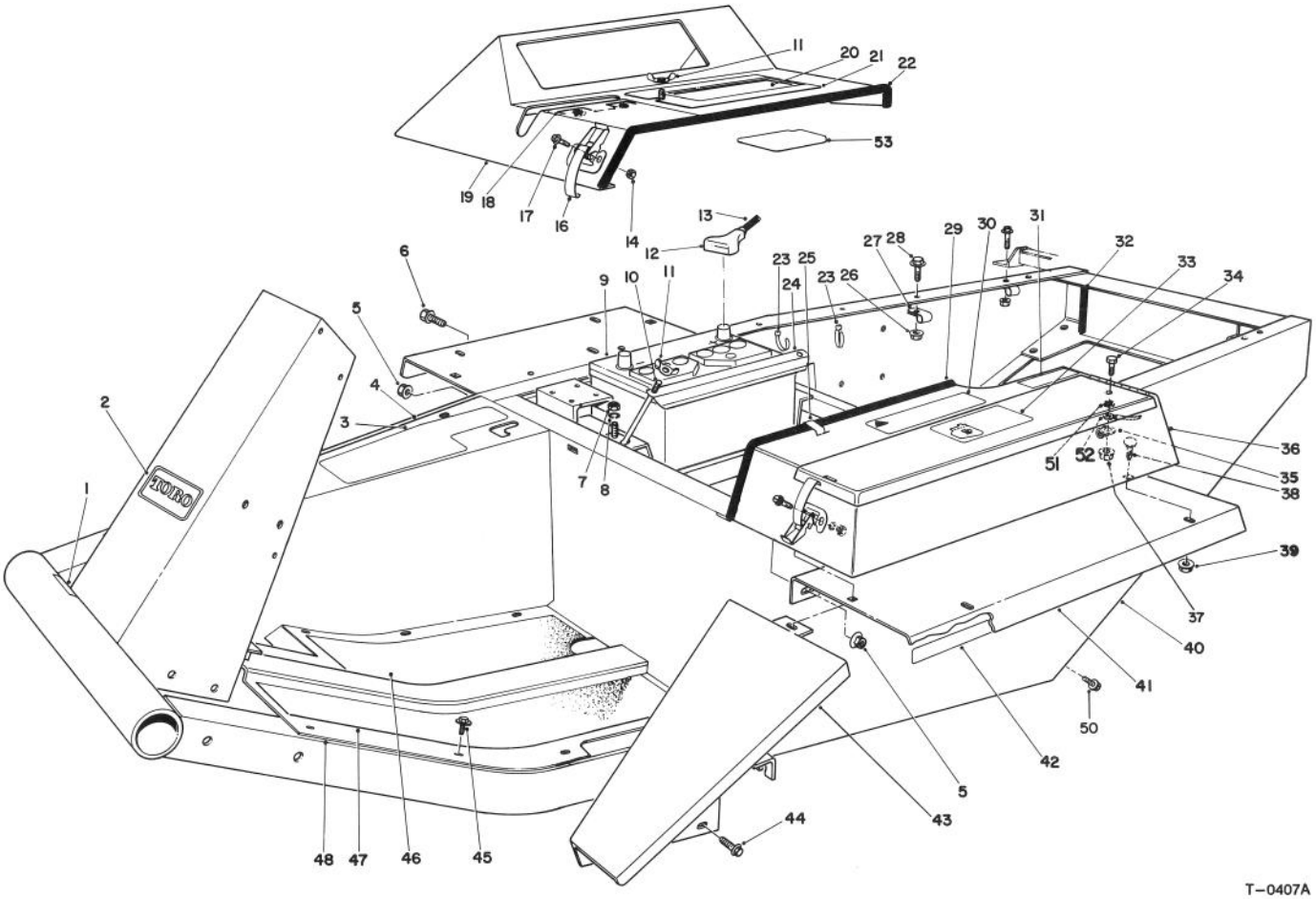
FORM NO. 3316–256

TORO®

MODEL NO. 30739–40001 & UP

PARTS CATALOG

GROUNDSMASTER® 325D Intl. 2WD
TRACTION UNIT



T–0407A

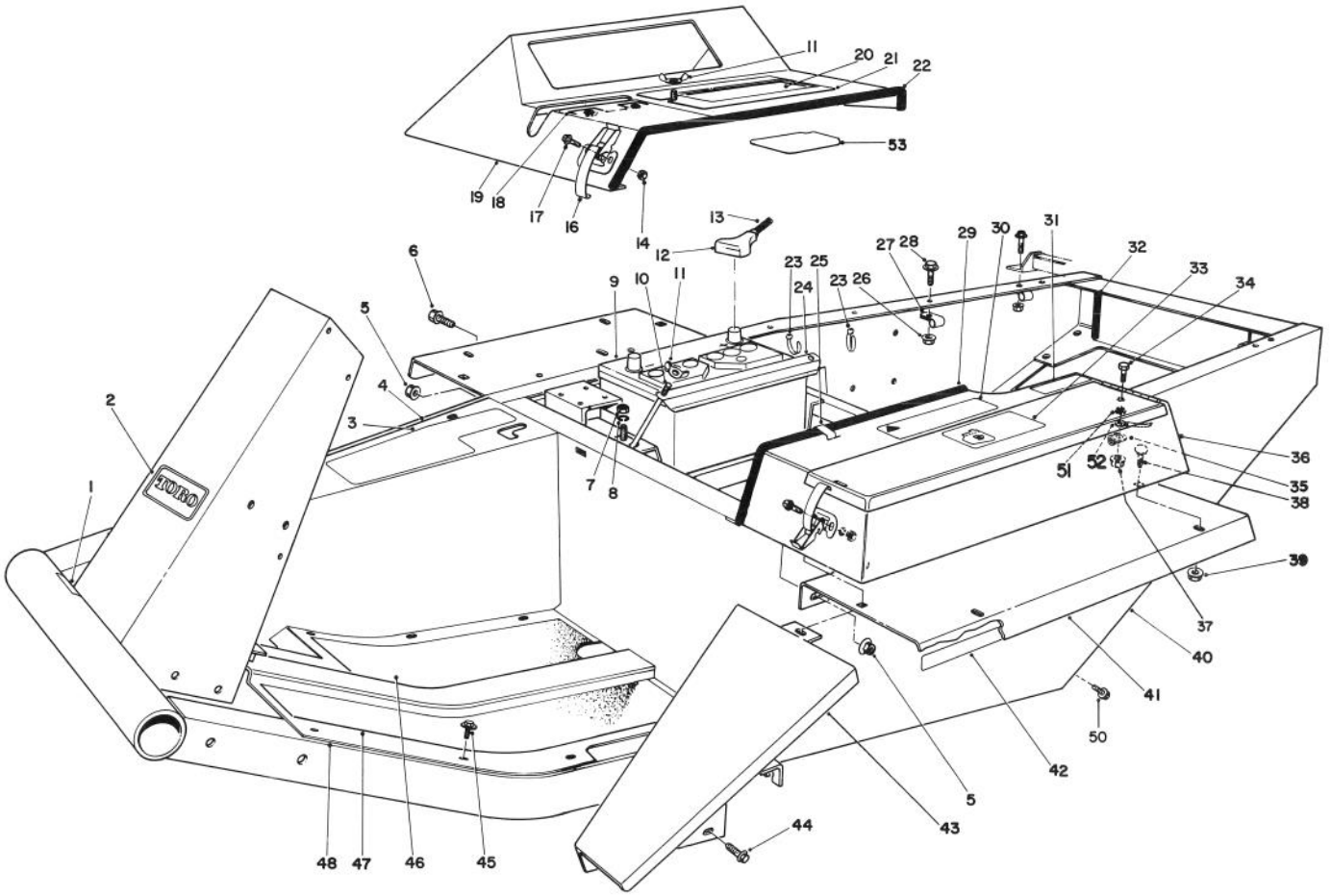
MAIN FRAME ASSEMBLY

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 – Flange Lock	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 (Incl. Ref. #12)	1
14	3296–2	Nut	6
16	249–21	Hook Clamp	3
17	3290–144	Screw – Machine	6
18	27–7290	Decal – Power Take off	1
19	38–4550	Instrument Cover	1
20	92–7802	Decal – Starting Instructions	1
21	92–7800	Cover – Battery Access (Incl. Ref. #20 & 53)	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 – Flange Lock	5
27	2412–4	Clamp	3
28	3234–11	Screw – Flange Lock	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
33	27–7310	Decal – Refueling	1

†Obtain Locally

© The TORO Company –1993
All Rights Reserved

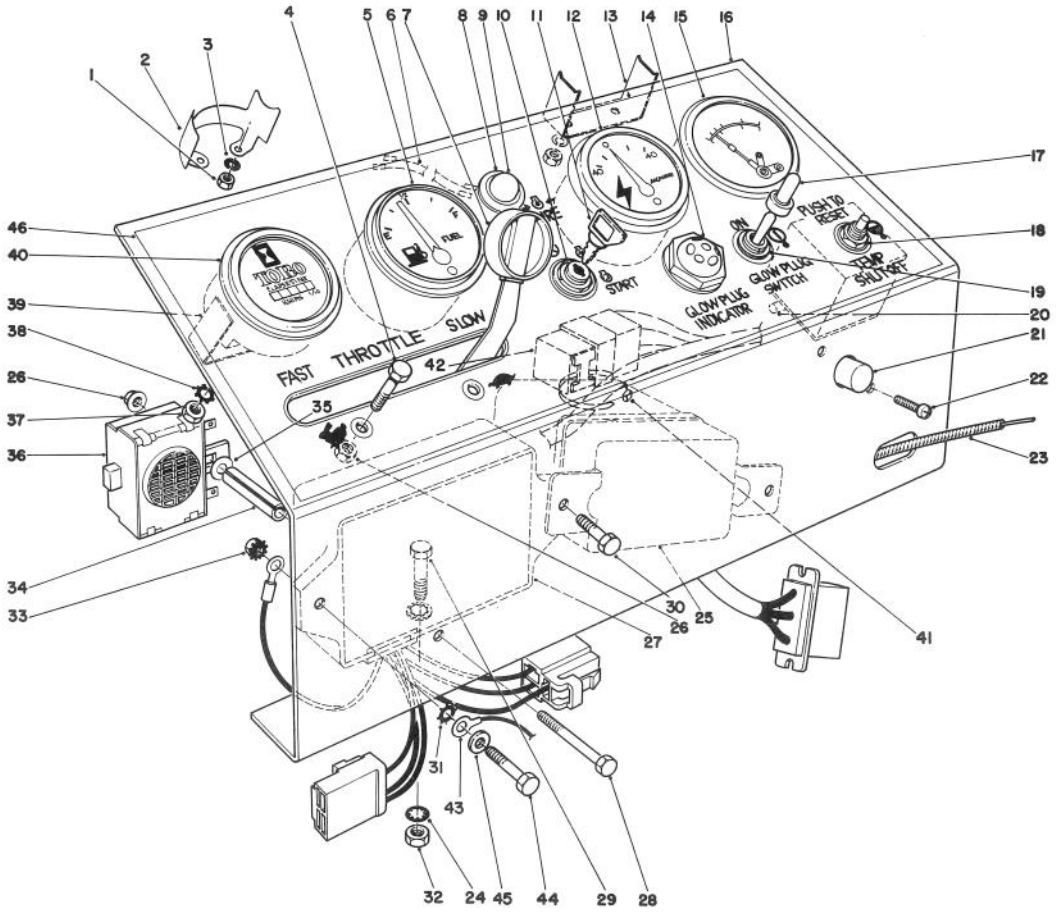
TPS



MAIN FRAME ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
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	82–8980	Frame (Incl. Ref. #5 & 50)	1
41	72–3690	Fender	2
42	67–1720	Decal – Torque	2

Ref. No.	Part No.	Description	No. Used
43	68–8610	Fender – Extension	1
44	3234–14	Screw – Cap Hex. Hd.	2
45	32144–10	Screw – Self–Tapping	11
46	21–2770	Pad – Foot Rest R.H.	1
47	21–2760	Pad – Foot Rest L.H.	1
48	88–0070	Floor Plate	1
50	3234–25	Screw – Cap Flange Hd.	4
51	3254–2	Washer – Lock I.T.L.W.	1
52	18–2770	Cable – Ground	1
53	92–7801	Shield – Battery Cover	1



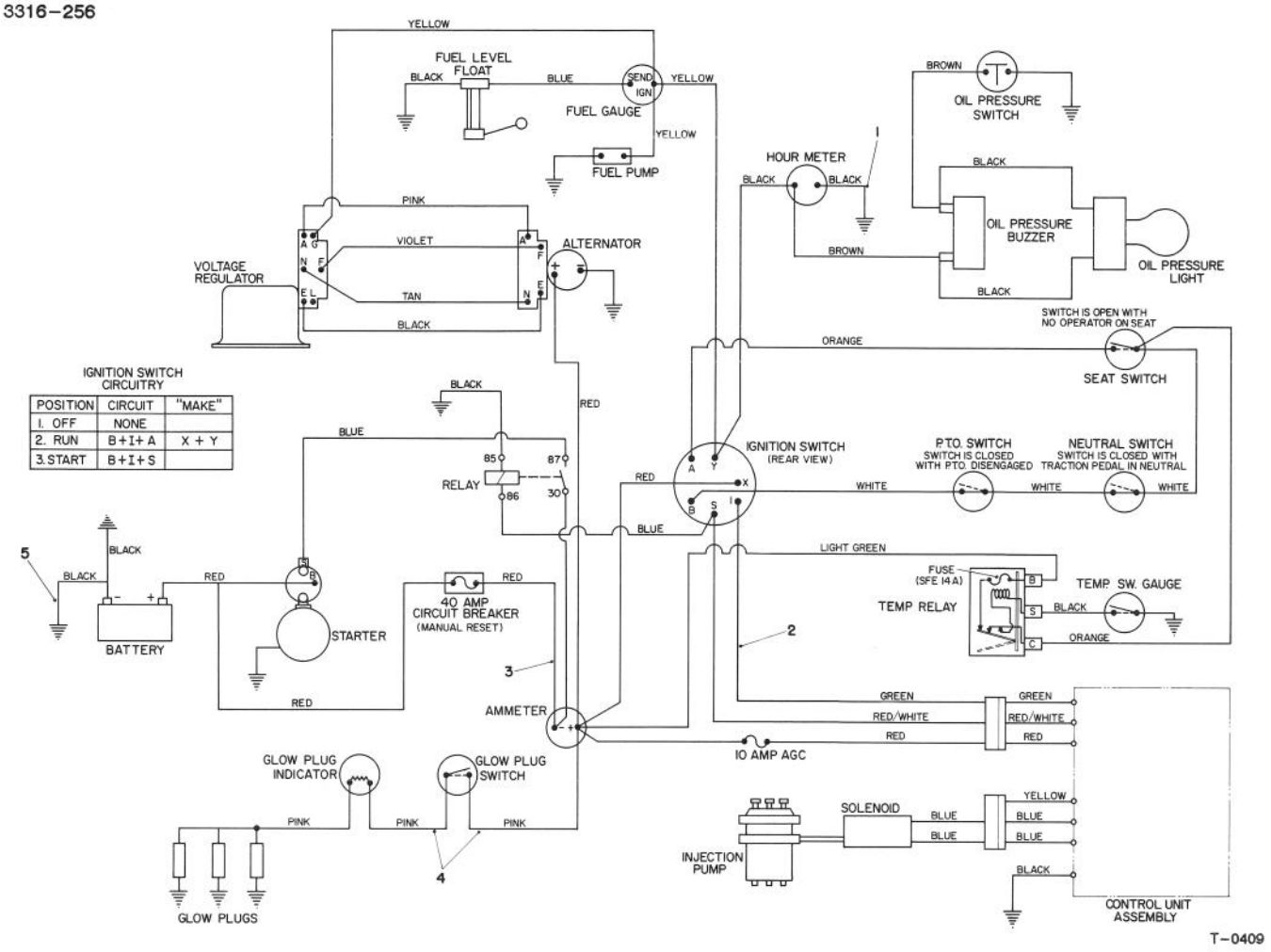
T–0408A

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	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

Ref. No.	Part No.	Description	No. Used
23	43–3990	Throttle Control (Incl. Ref. #7)	1
24	3254–2	Washer – Lock I.T.L.W.	6
25	43–0410	Regulator Assembly	1
26	3296–12	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 E.T.L.W.	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 – Instrument Panel	1

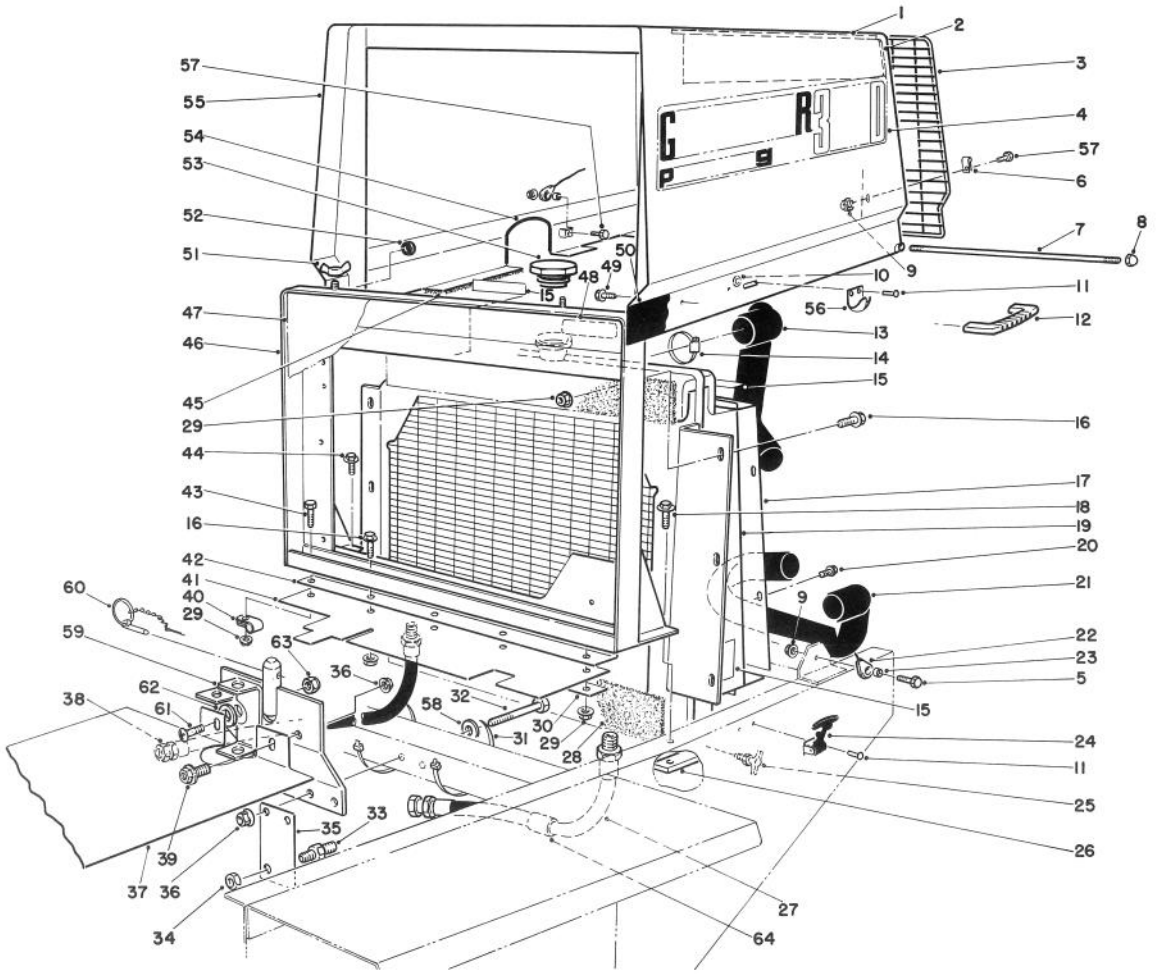
†Obtain Locally



T-0409

ELECTRICAL SCHEMATIC

Ref. No.	Part No.	Description	No. Used
1	92-7827	Wire - Hour Meter Ground	1
2	88-1790	Wire Harness Assembly	1
3	43-4040	Wire Assembly	1
4	43-4010	Wire Assembly	2
5	70-1190	Ground Cable	1

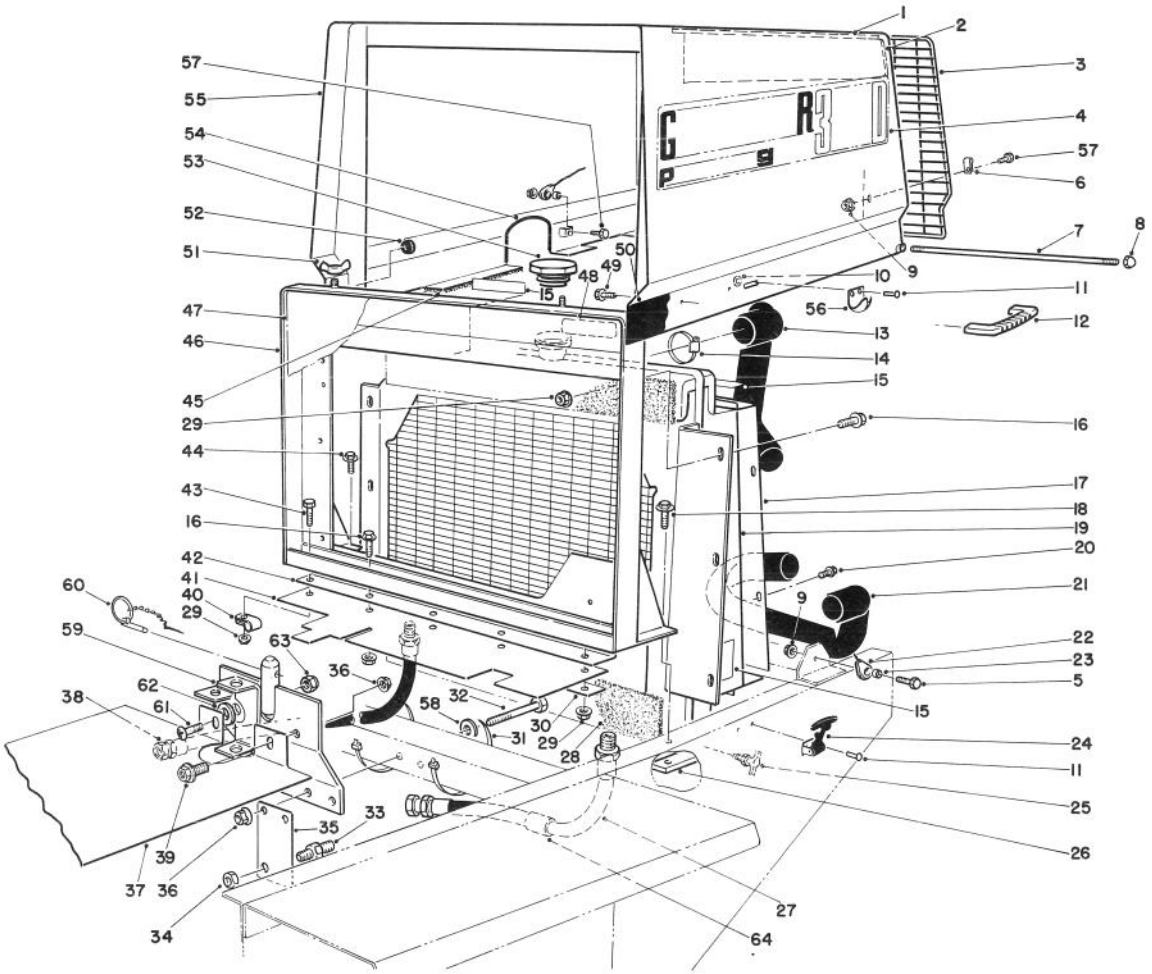


T–1185B

RADIATOR & HOOD ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	77–5170	Foam – Top	1
2	77–5160	Foam – Side	1
3	67–9000	Screen – Rear	1
4	84–8610	Decal – Groundsmaster	2
5	321–4	Screw – Cap Hex. Hd.	2
6	2412–127	Clamp	4
7	67–8840	Pin – Hinge	1
8	32111–8	Nut – Acorn	2
9	32128–32	Nut – Flange	8
10	3269–10	Washer – Backup	2
11	3290–271	Rivet	4
12	65–5100	Handle – Hood	1
13	43–3350	Hose – Upper Radiator	1
14	2412–3	Clamp – Hose	4
15	77–3100	Decal – Warning	3
16	3234–14	Screw – Flange Hex. Hd.	11
17	43–3330	Shroud – Radiator	1
18	3234–1	Screw – Flange Hex. Hd.	2
19	33–2570	Radiator Assembly	1
20	32104–116	Screw – Self Tapping	8
21	43–7020	Hose – Lower Radiator	1
22	77–3170	Stop – Hood Cable	2
23	77–5250	Spacer – Hood Cable	4
24	249–39	Latch – Flexible Draw	1
25	304–46	Drain Cock	1
26	38–4600	Bar – Frame LH	1

Ref. No.	Part No.	Description	No. Used
27	63–9010	Hose Assy. – Cooler/Pump	1
28	43–3320	Foam – Radiator	2
29	32128–20	Screw – Flange Hex. Hd.	11
30	67–8470	Strip – Retainer	1
31	3290–379	Tie – Cable	4
32	323–14	Screw – Cap Hex. Hd.	3
33	340–71	Union – Bulkhead	2
34	340–70	Nut – Lock Bulkhead	2
35	68–9160	Bracket	1
36	32128–21	Nut – Flange	5
37	88–3390	Plate – Sealing	1
38	63–8960	Hose Assy. – Valve/Cooler	1
39	3234–11	Screw – Flange	1
40	2412–39	Clamp	1
41	67–8570	Strip – Sealing	1
42	43–3340	Plate – Sealing, Grille	1
43	322–6	Screw – Cap Hex. Hd.	1
44	11–0590	Screw – Self Tapping	2
45	82–8950	Foam – Flange Hood	2
46	67–8870	Support – Radiator	1
47	67–9030	Grille	1
48	82–8970	Decal – Radiator Coolant	1
49	46–8091	Screw – Flange	2
50	77–5141	Decal – Hood LH	1
*	77–5151	Decal – Hood RH	1
51	32103–2	Nut – Wing	2



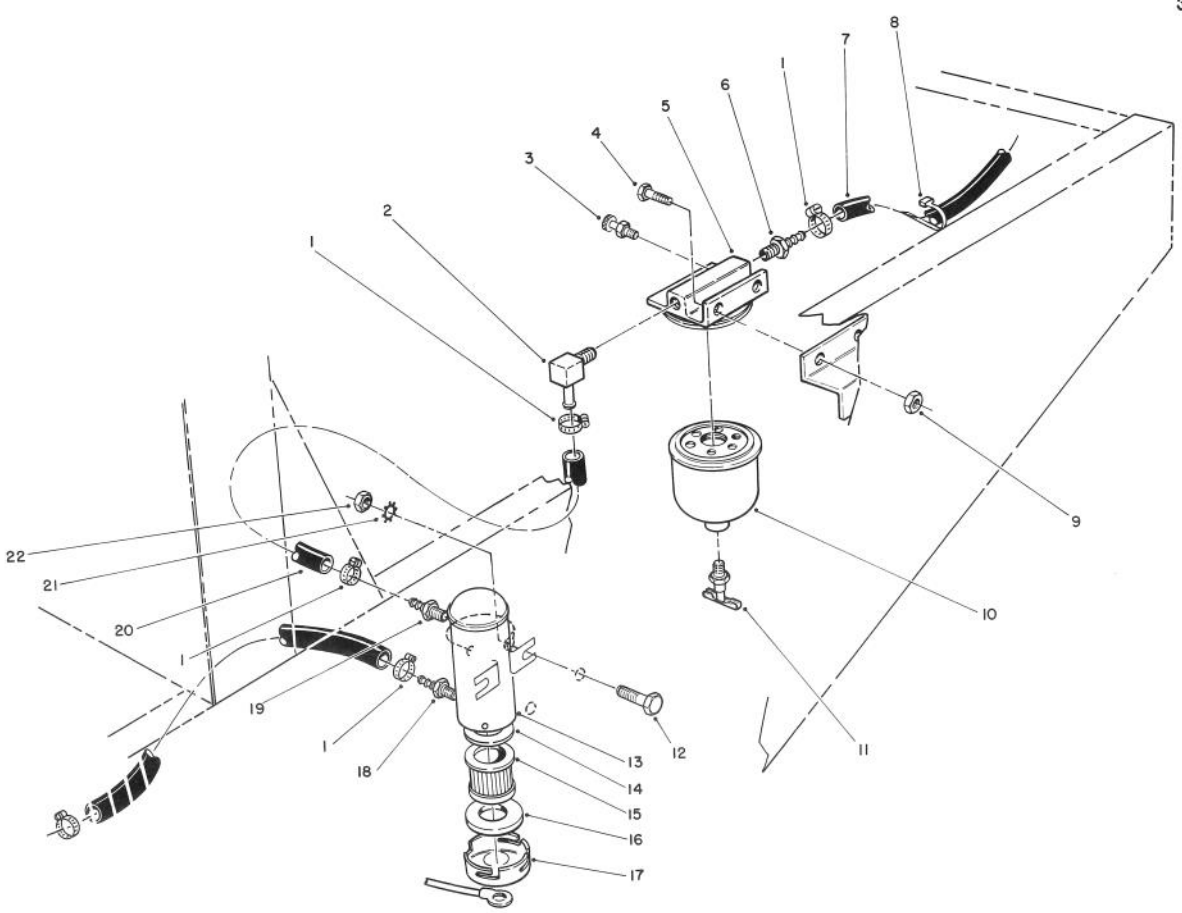
T–1185B

RADIATOR & HOOD ASSEMBLY

Ref. No.	Part No.	Description	No. Used
52	237–141	Bumper – Radiator	2
53	66–3240	Cap – Radiator	1
54	66–8111	Trim – Hood Cutout	1
55	14–4149	Hood	1
56	249–40	Keeper	1
57	3274–69	Screw – Socket Hd.	6
58	5–0838	Washer – Flat	3

Ref. No.	Part No.	Description	No. Used
59	86–9410	Bracket – Seat Support	1
60	283–76	Pin – Lynch	1
61	32122–16	Screw – Truss Hd.	1
62	88–3370	Spacer – Sealing Plate	1
63	3296–59	Nut – Lock	1
64	38–3400	Guard – Rubber	1

*Not Illustrated

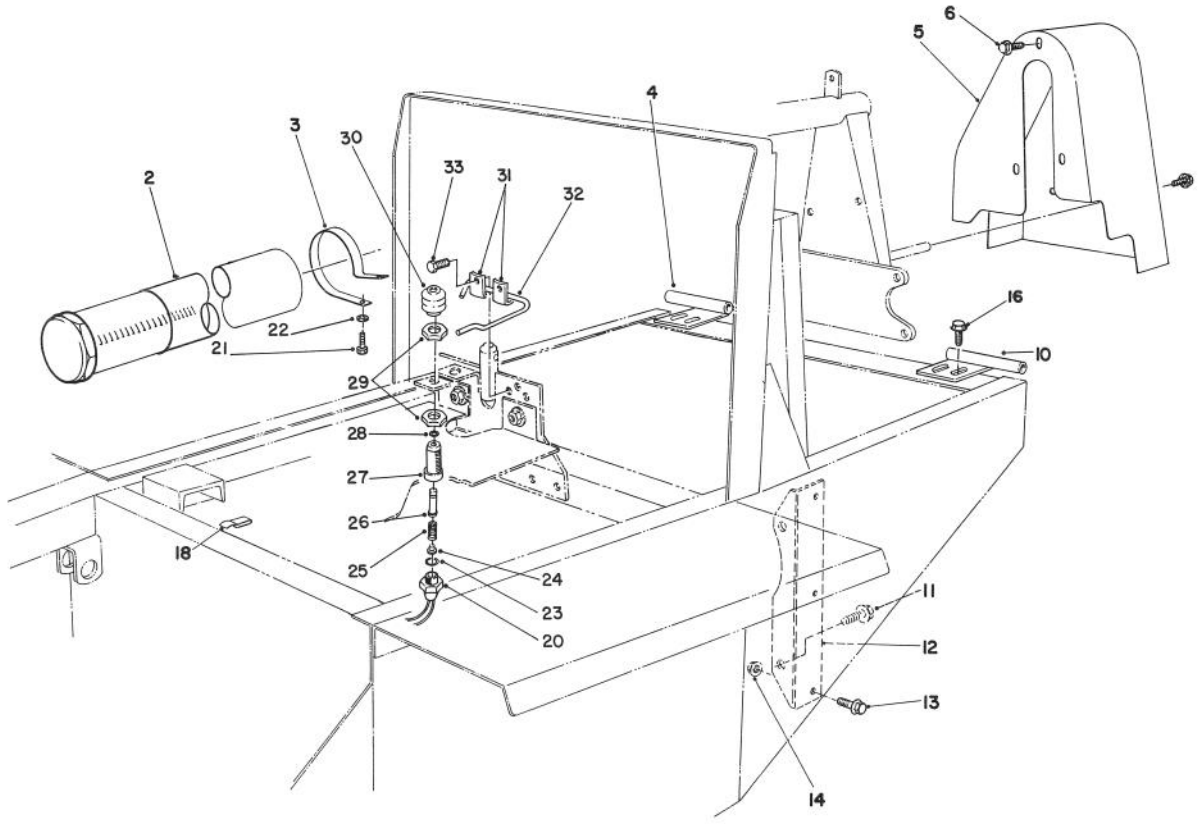


T–0411

FUEL FILTER ASSEMBLY

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

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



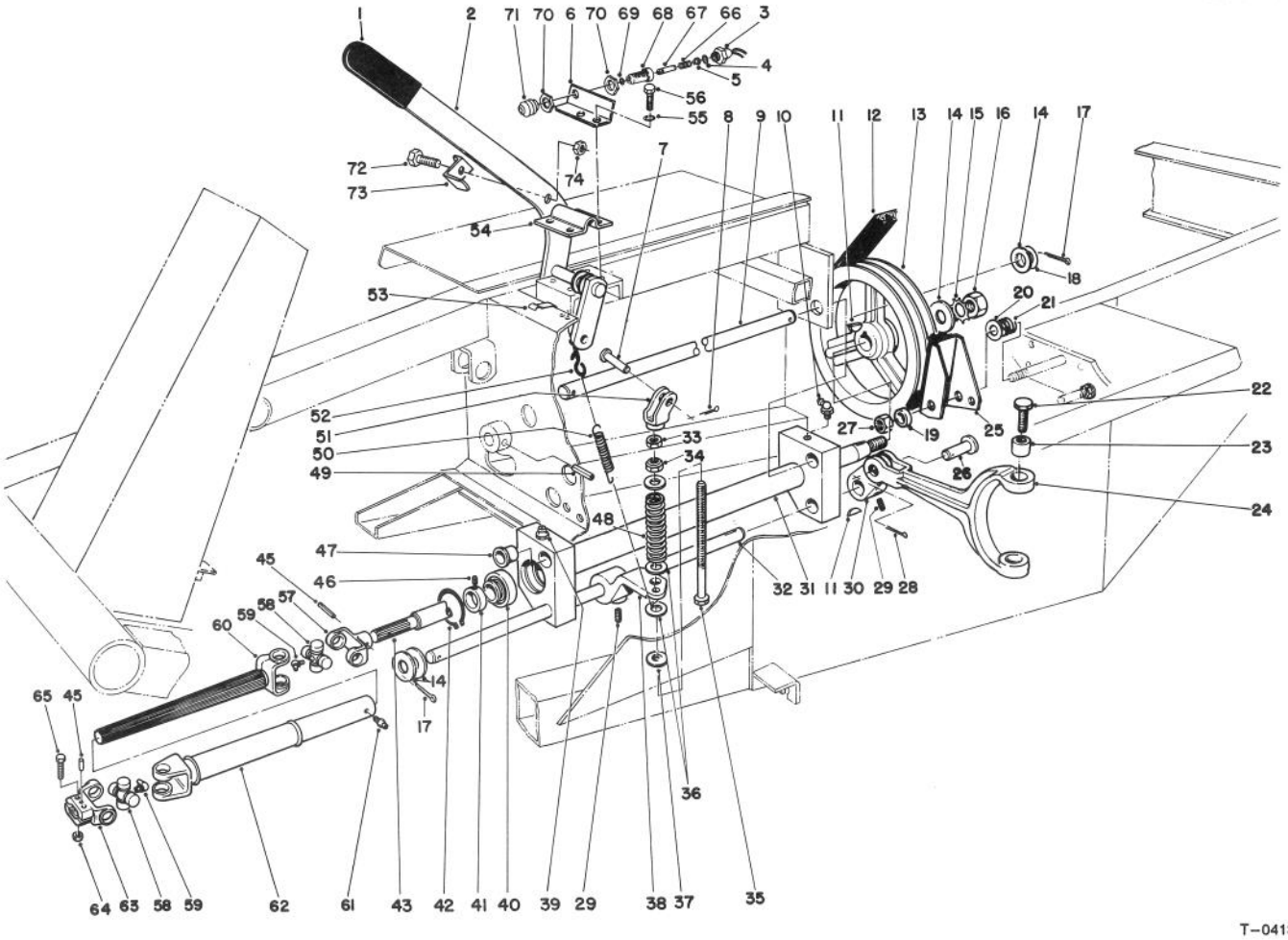
T–1186A

INTERLOCK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
2	74–0720	Tube – Manual	1
3	2412–133	R–Clamp	2
4	67–8820	Hinge, R.H.	1
5	43–3900	Guard – Fan Belt	1
6	3234–14	Screw – Cap Hex. Hd.	5
9	3256–23	Washer – Flat	1
10	67–8810	Hinge L.H.	1
11	3234–32	Screw – w/Locking Flange	2
12	67–8190	Bracket – Engine Support	2
13	3234–11	Screw w/Locking Flange	6
14	3290–357	Nut – Lock Flange	6
16	3234–17	Screw – Cap Hex. Hd.	4
18	212–93	Wire Clip	2
20	72–4320	Switch – Ball	1
21	322–2	Screw – Cap Hex. Hd.	2

Ref. No.	Part No.	Description	No. Used
22	3256–23	Washer – Flat	2
23	237–30	Seal – O–Ring	1
24	43–8610	Guide – Spring & Ball Seat	1
25	43–8600	Spring – Compression	1
26	43–8860	Plunger – Switch	1
27	43–8620	Guide – Switch Pin	1
28	237–7	Seal – O–Ring	1
29	218–461	Nut – Jam	1
30	43–8870	Boot – Switch	1
31	3–6657	Clip	2
32	86–7040	Rod – Seat Prop	1
33	32144–10	Screw – Hex. Hd. Self Tap	2
*	43–9701	Assembly – Switch (Incl. Ref. #20, 23–30; Qty. 1 of #29)	1

*Not Illustrated

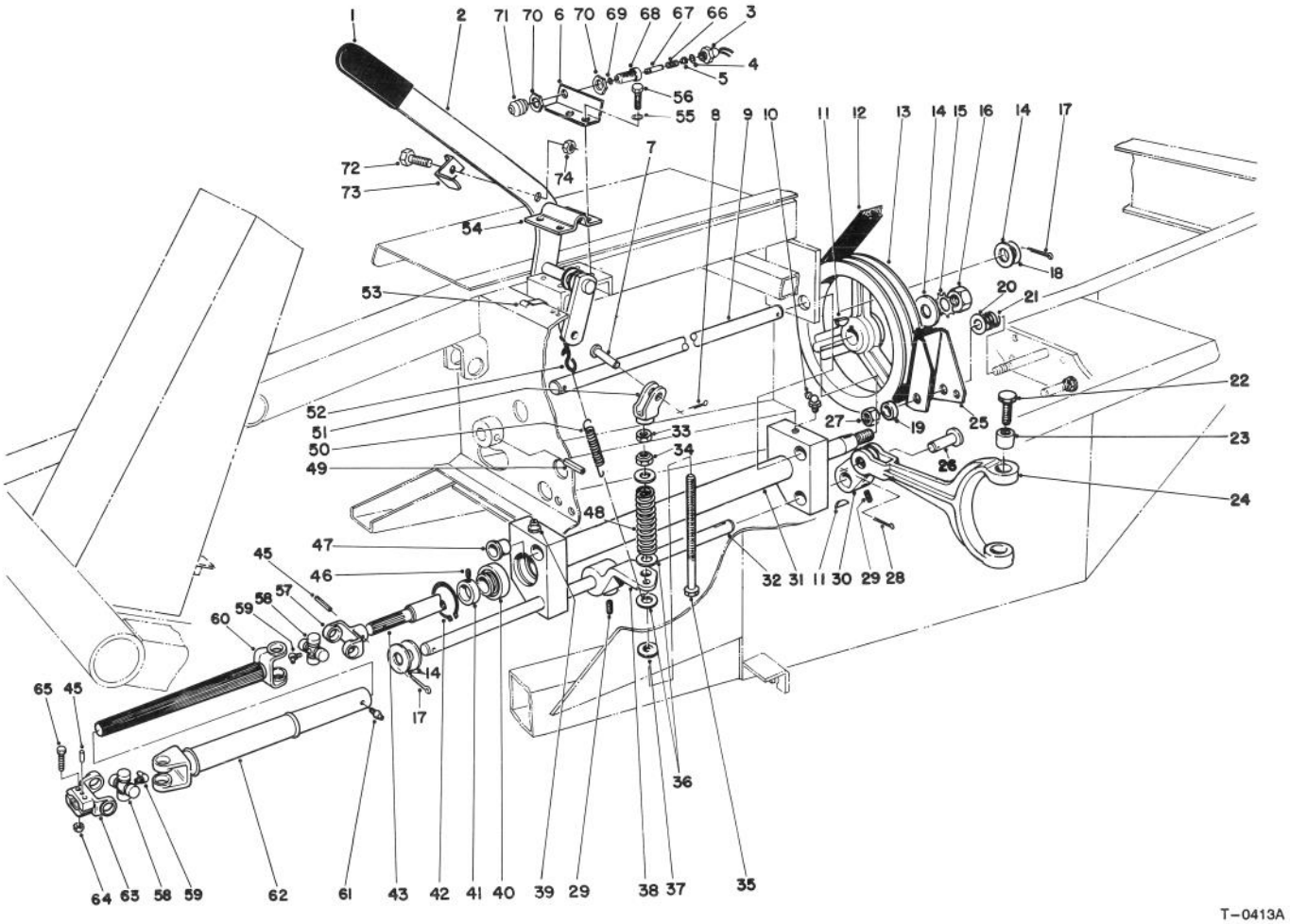


T–0413A

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	92–5727	Screw – Cap Hex. Hd.	2
23	92–5723	Bushing – P.T.O. Fork	2
24	92–4060	Fork P.T.O.	1
25	27–7370	Brake Assembly P.T.O.	1
26	283–74	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	92–4058	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	4
37	5–0652	Spacer	1
38	43–5570	Arm, Actuator – P.T.O.	1
39	302–2	Grease Fitting	1
40	251–252	Ball Bearing (Incl. Ref. #41)	2
41	251–234	Lock Collar (Incl. Ref. #46)	2
42	32120–22	Ring – Retaining	2
43	43–5540	Shaft P.T.O.	1
45	32121–34	Pin – Roll	2
46	3245–1	Set Screw	2
47	256–113	Bushing – Flange	4
48	21–0400	Spring – Compression	1
49	32121–9	Pin – Roll	1
50	21–1830	Spring – Tension	1
51	43–5630	Yoke – P.T.O.	1



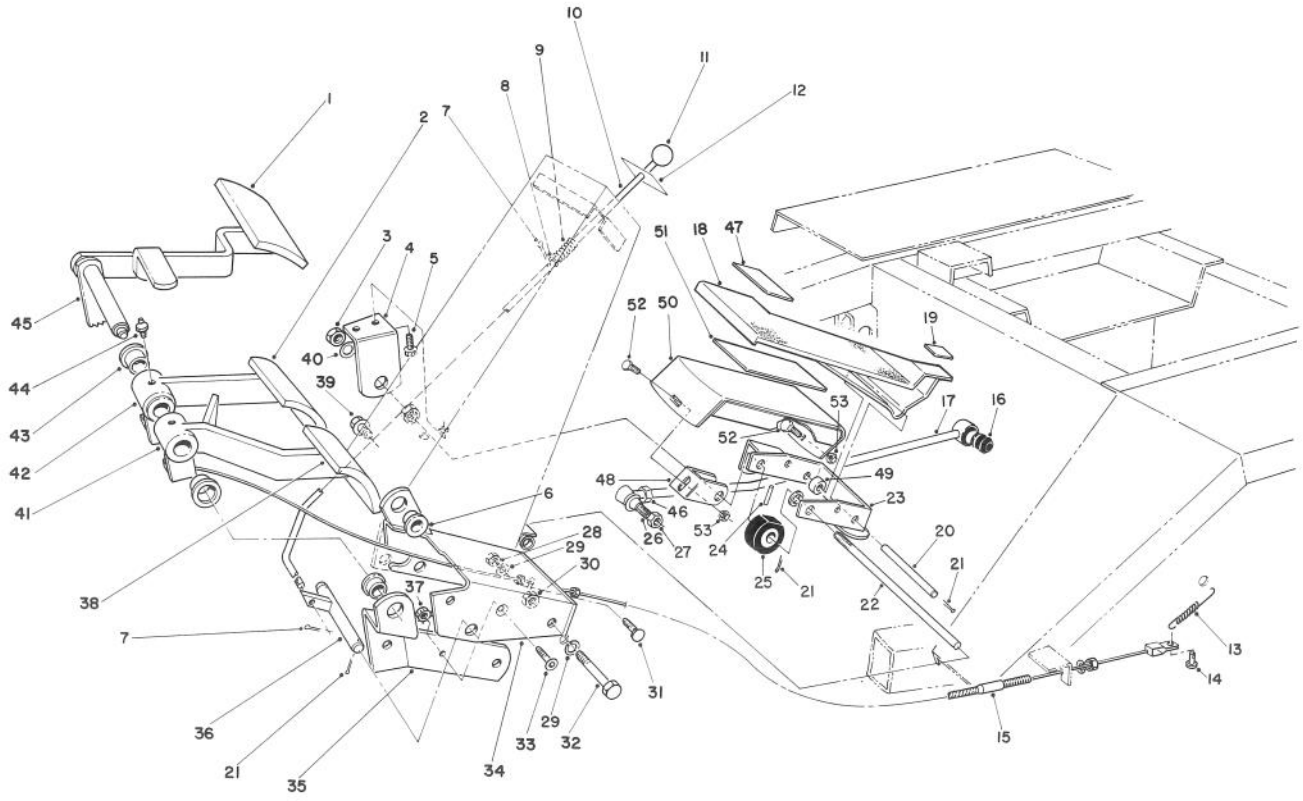
T–0413A

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
65	322–9	Screw – Cap Hex. Hd.	2

Ref. No.	Part No.	Description	No. Used
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
*	43–9071	Assembly – Switch (Incl. Ref. #3–5, & 66–71; Qty. 1 of #70)	1
*	84–4890	Drive Shaft Assembly (Incl. Ref. #57–63)	1

*Not Illustrated



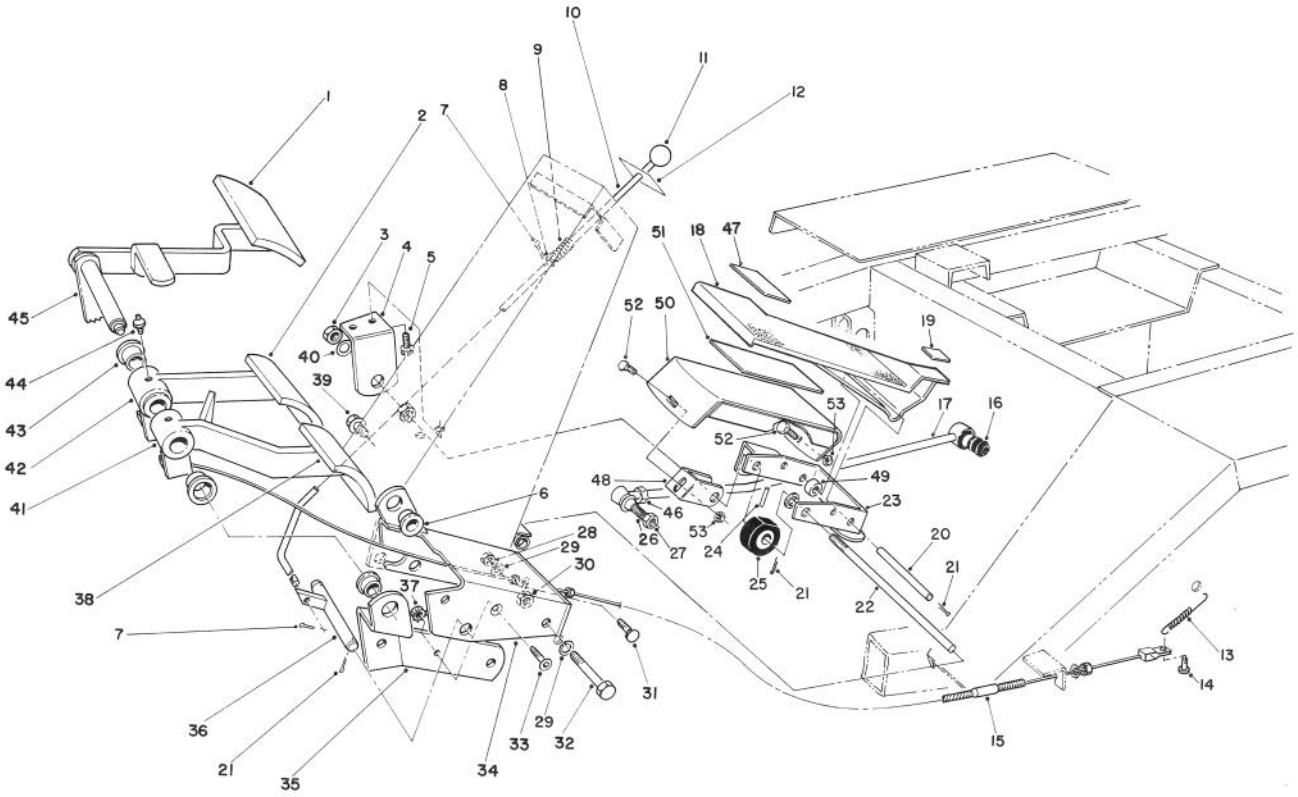
T–0415

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 Rear	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



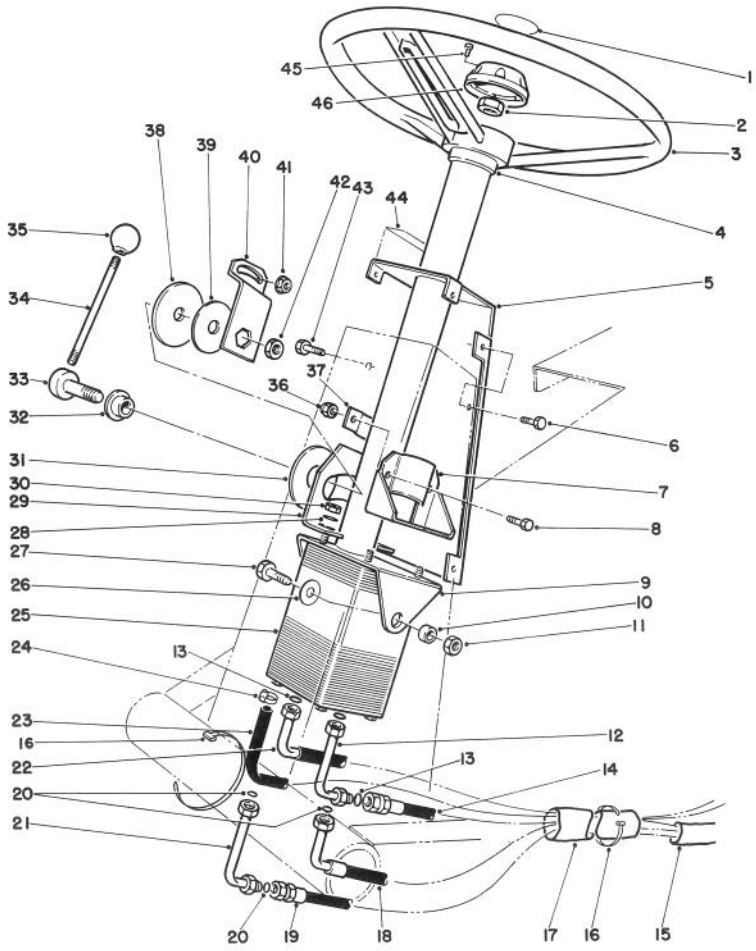
T–0415

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



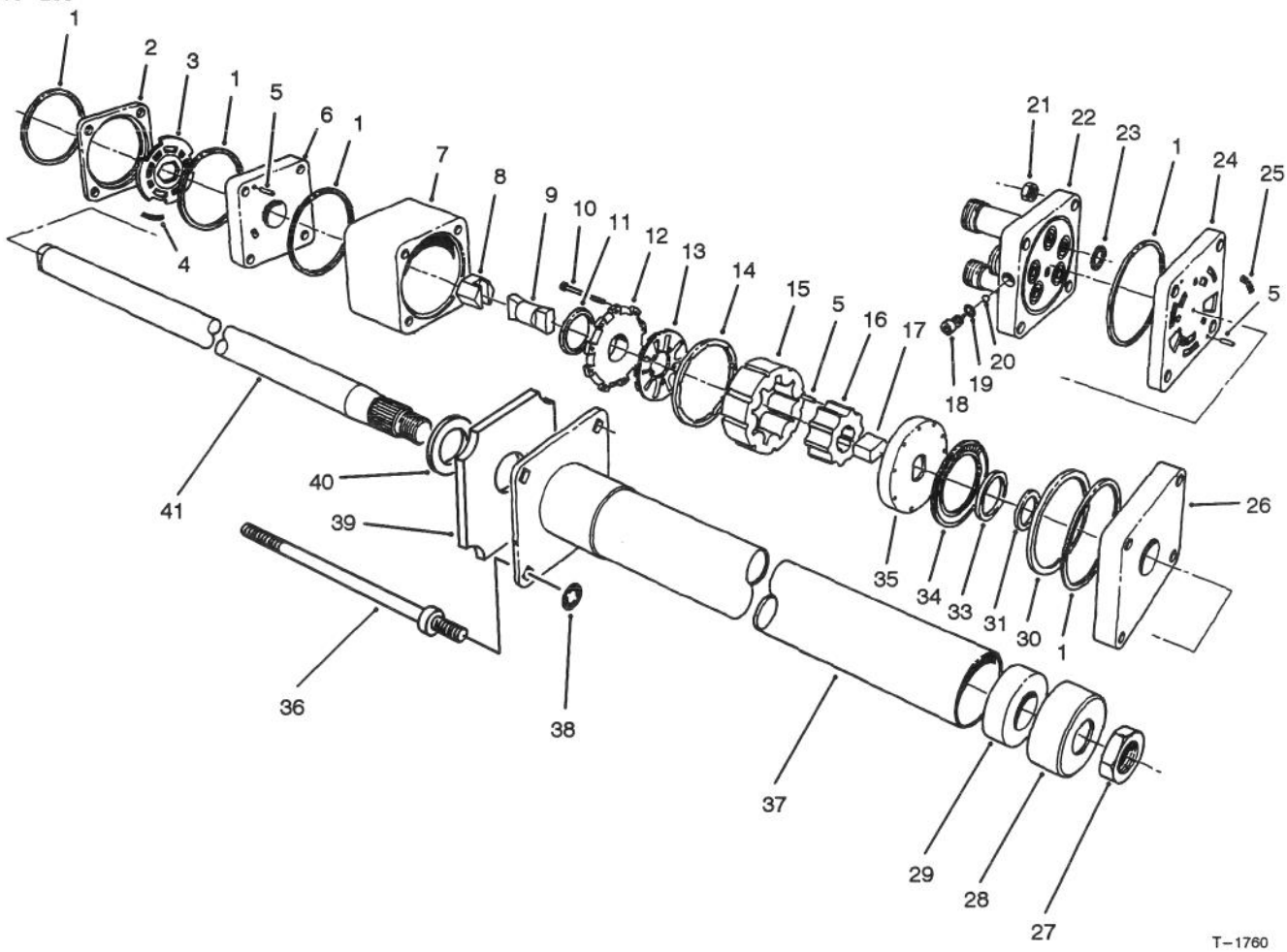
T–1187

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. Thd. Form	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	92–7308	Valve – Power Steering	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	3296–20	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 – Steering Wheel	1

3316–256



T–1760

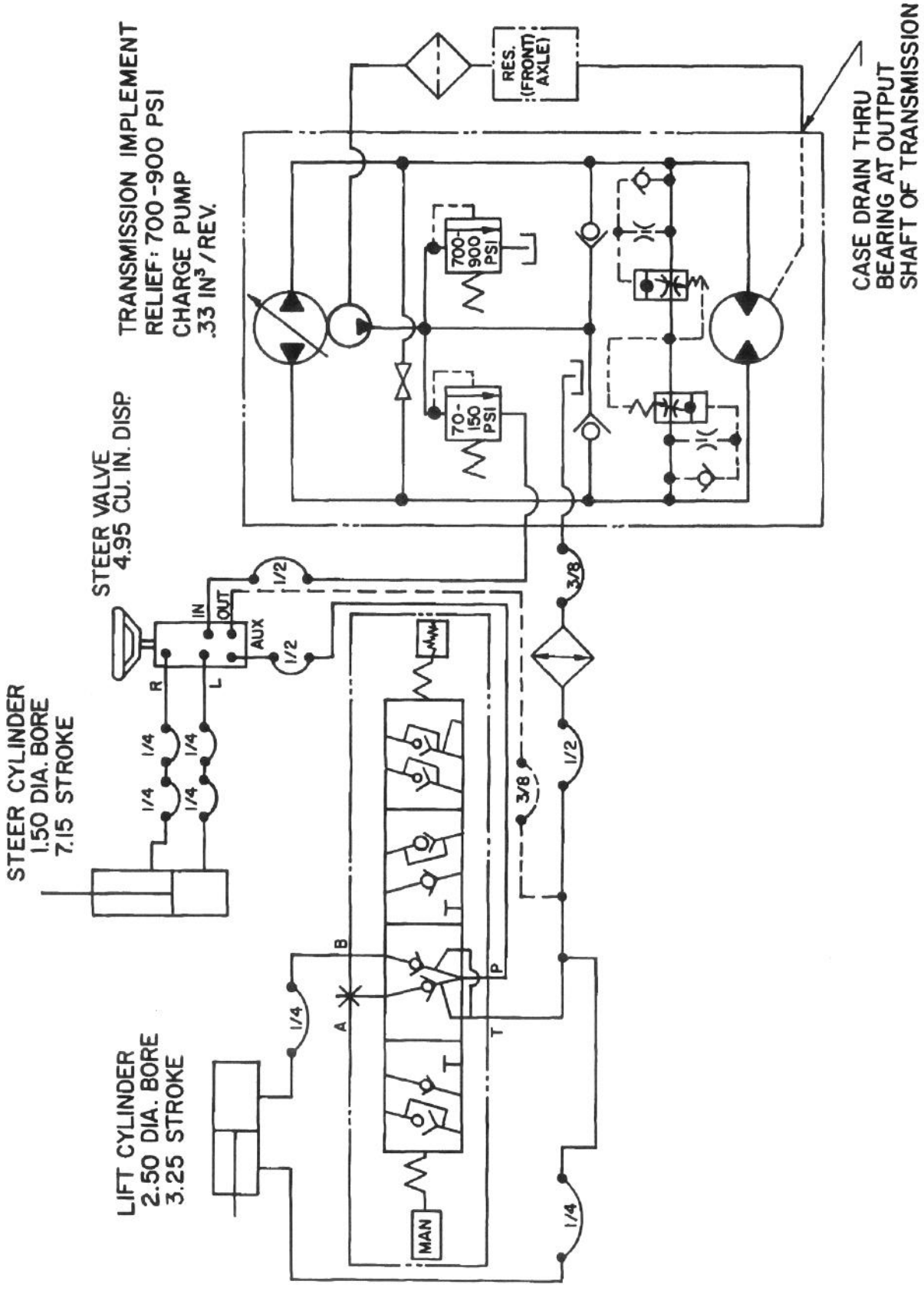
POWER STEERING VALVE ASSEMBLY NO. 92–7308

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
25		Spring	3

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

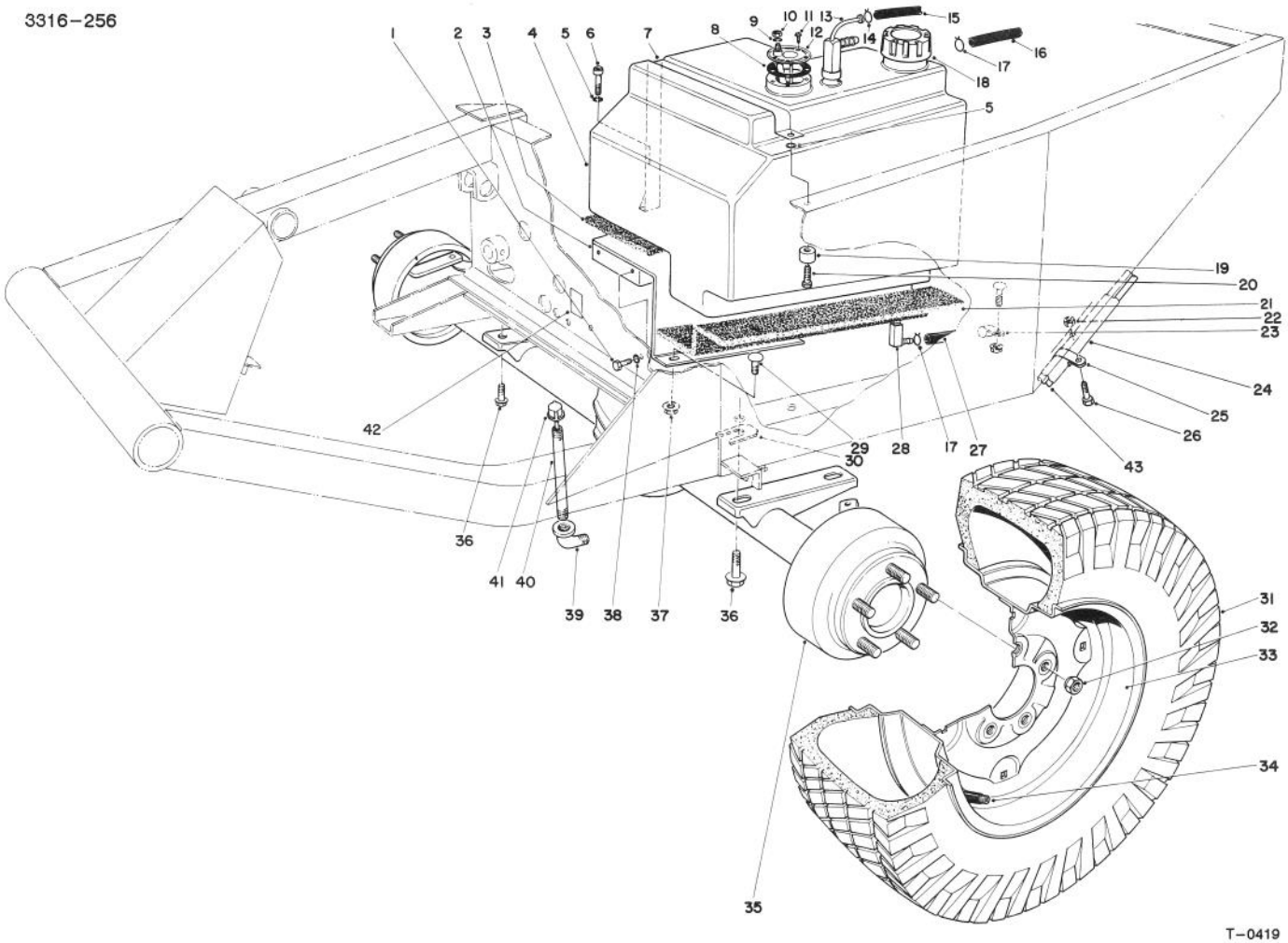
*Not Illustrated

HYDRAULIC SCHEMATIC



T–0418

3316–256



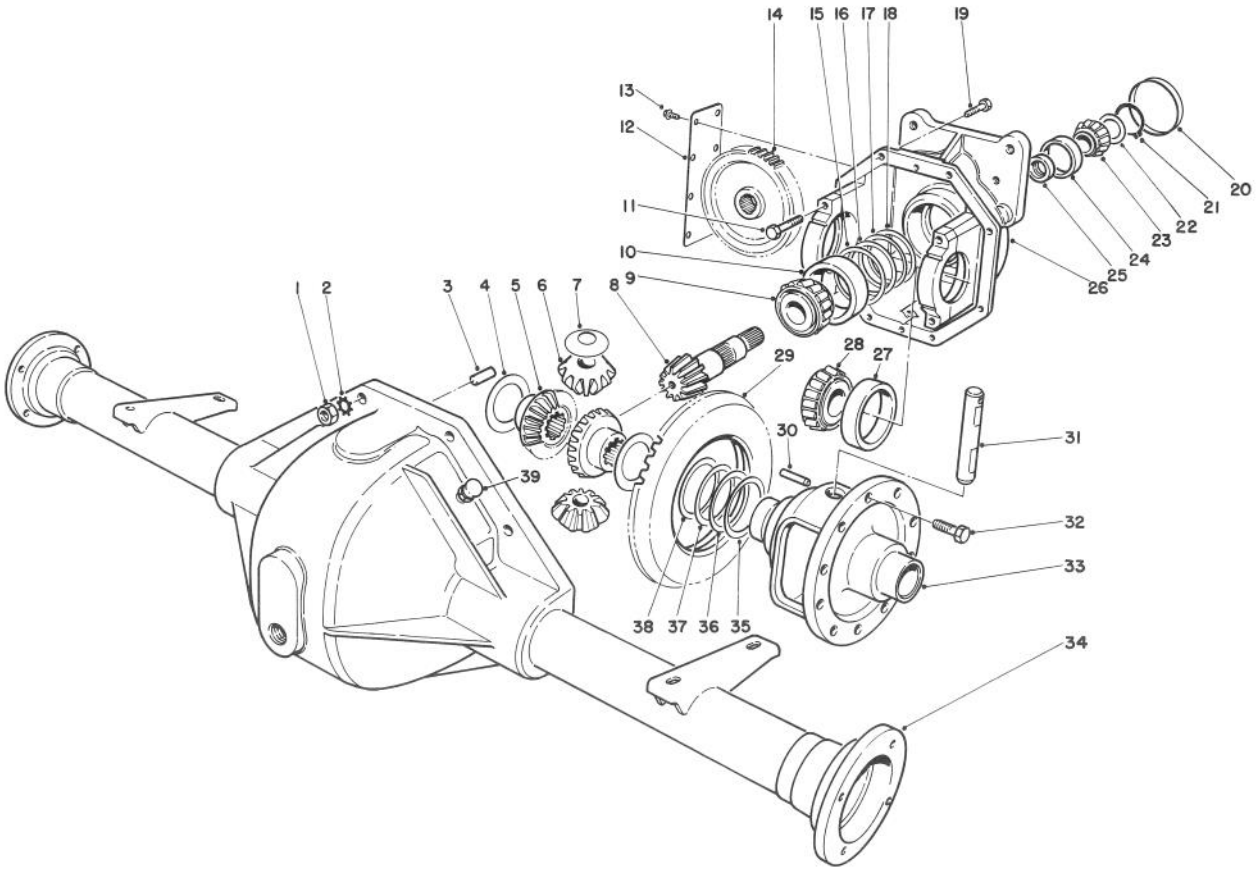
T–0419

FRONT AXLE & FUEL TANK ASSEMBLY

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

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

*Not Illustrated

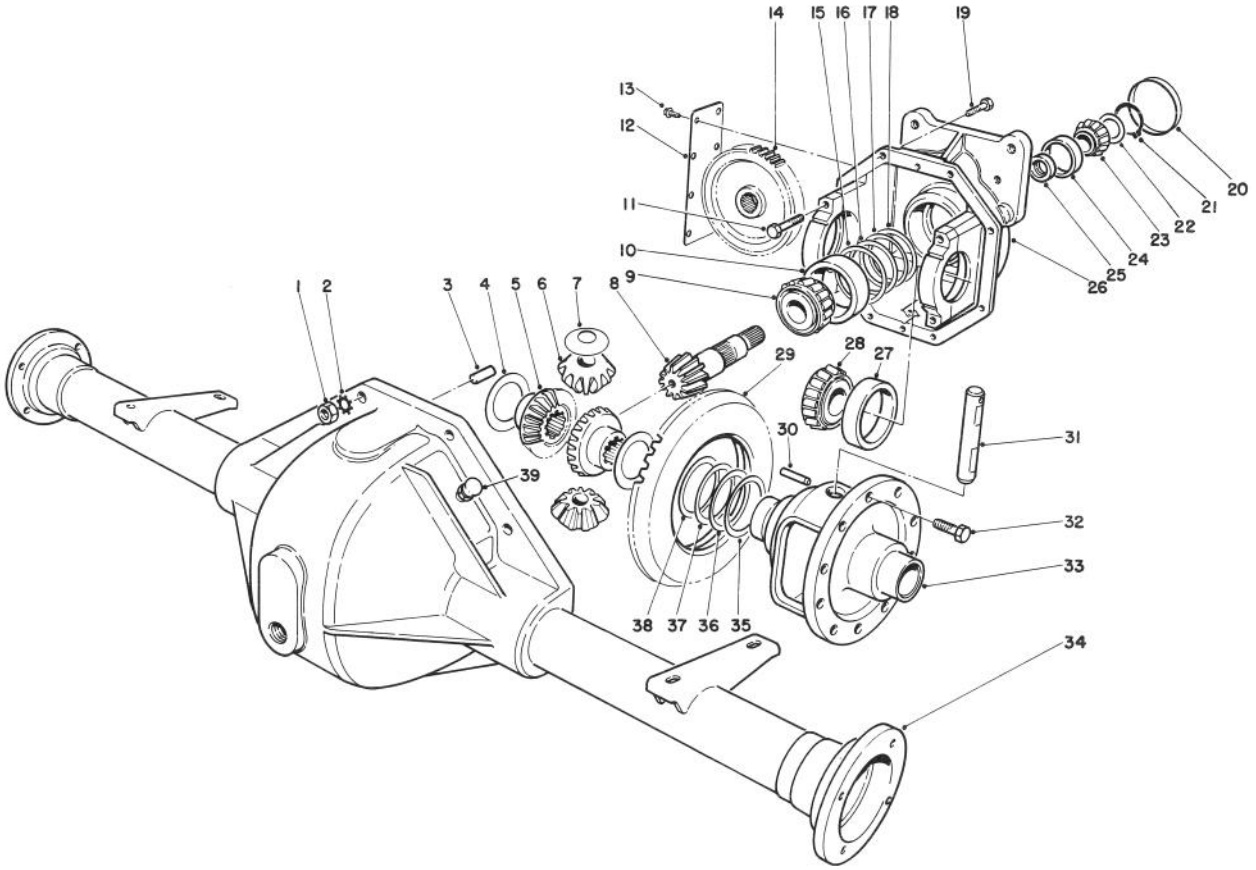


T–0919

DIFFERENTIAL ASSEMBLY NO. 86–9600

Ref. No.	Part No.	Description	No. Used
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	92–1773	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



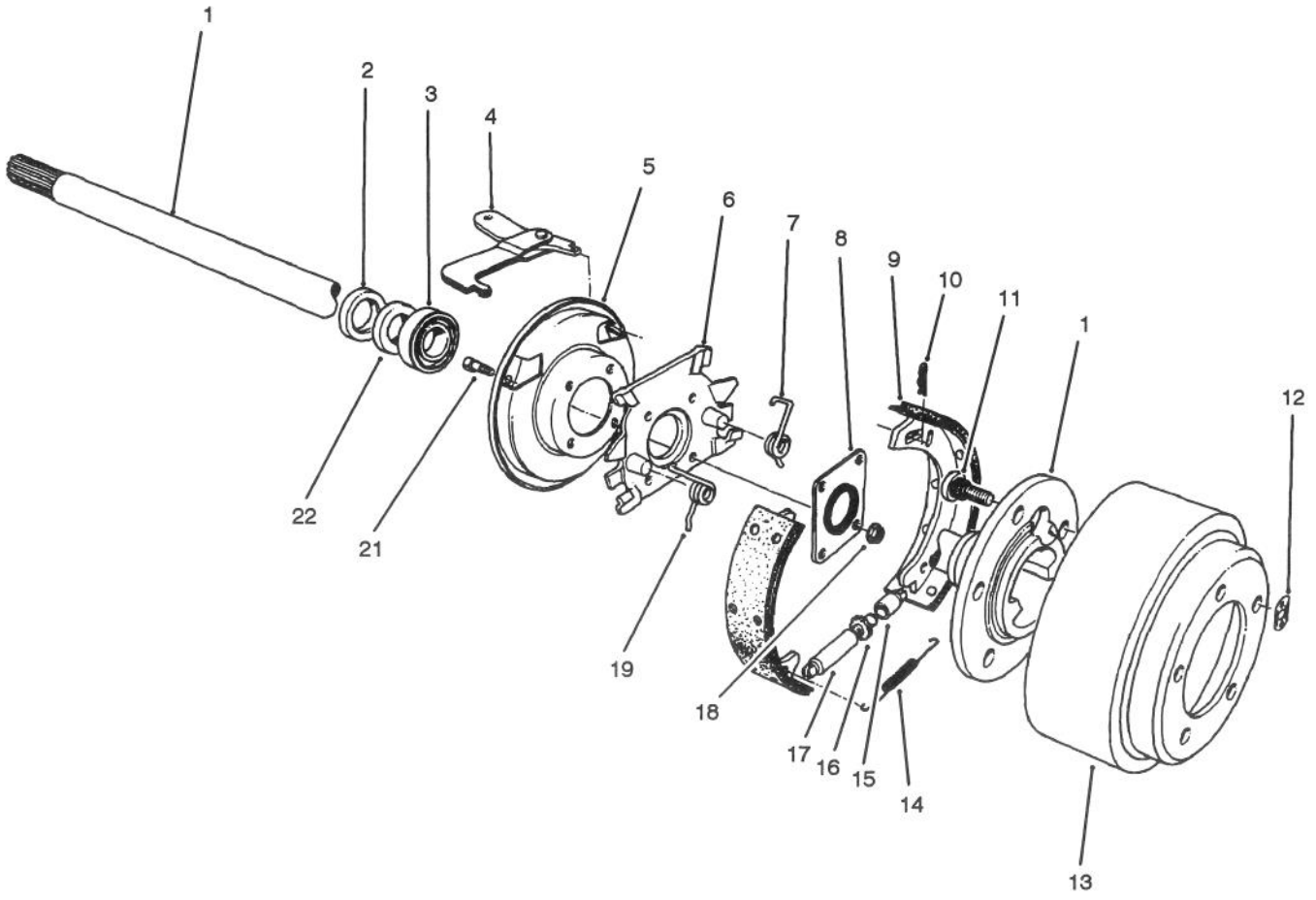
T–0919

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
*22	46–2425	Shim – Front Pinion Bearing (.086)	A/R
*	46–2426	Shim – Front PInion Bearing (.088)	A/R

Ref. No.	Part No.	Description	No. Used
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
*	92–4903	Assy. – Upper Hsg. 2WD (Incl. Ref. #4–33 & 35–38)	1
*	92–4848	Gear & Pinion Assembly (Incl. Ref. #8 & 29)	1

*Not Illustrated



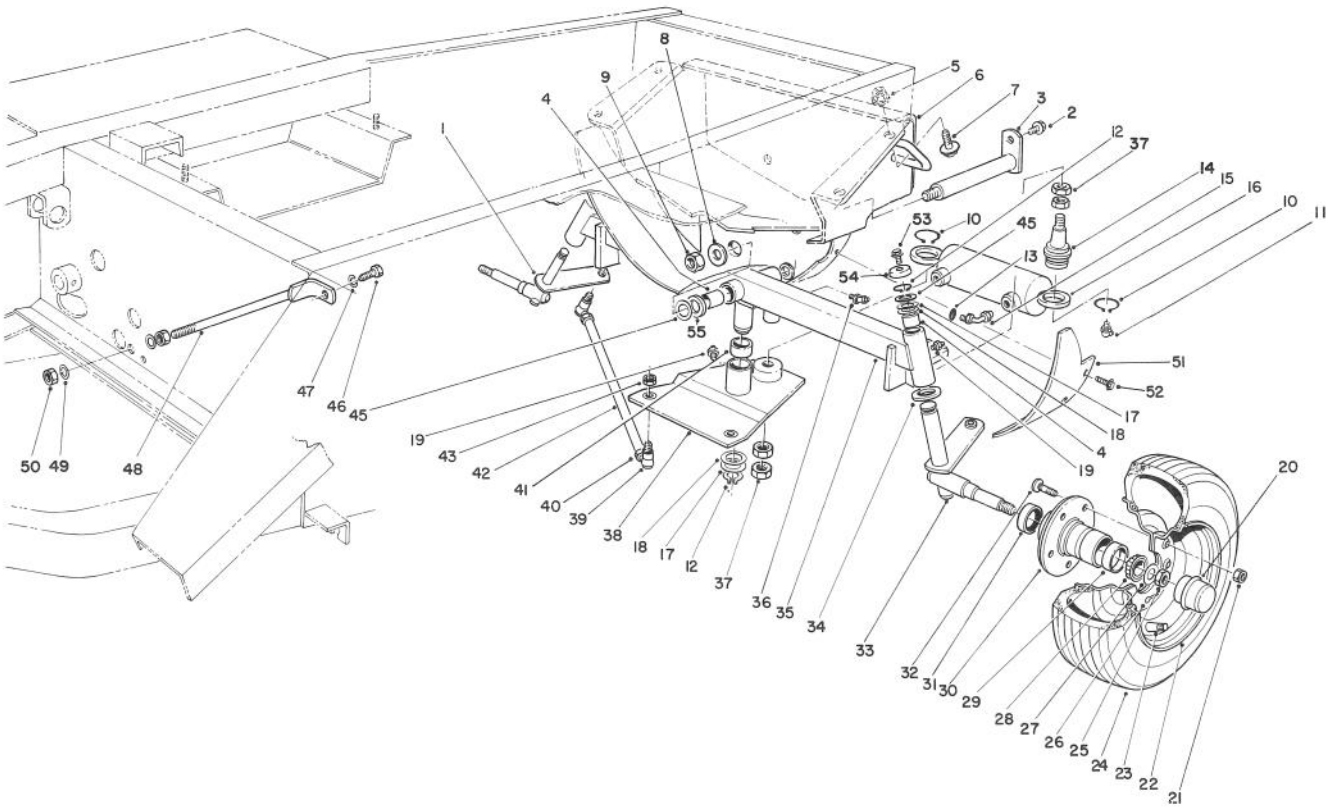
T–0421A

BRAKE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	28–0650	Flanged Axle Shaft	2
2	92–1774	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
21	28–0660	Screw – Cap Hex. Hd.	8
22	24–8840	Ring – Wheel Bearing	2
*	92–8775	Kit – Gasket, Liquid	2

*Not Illustrated



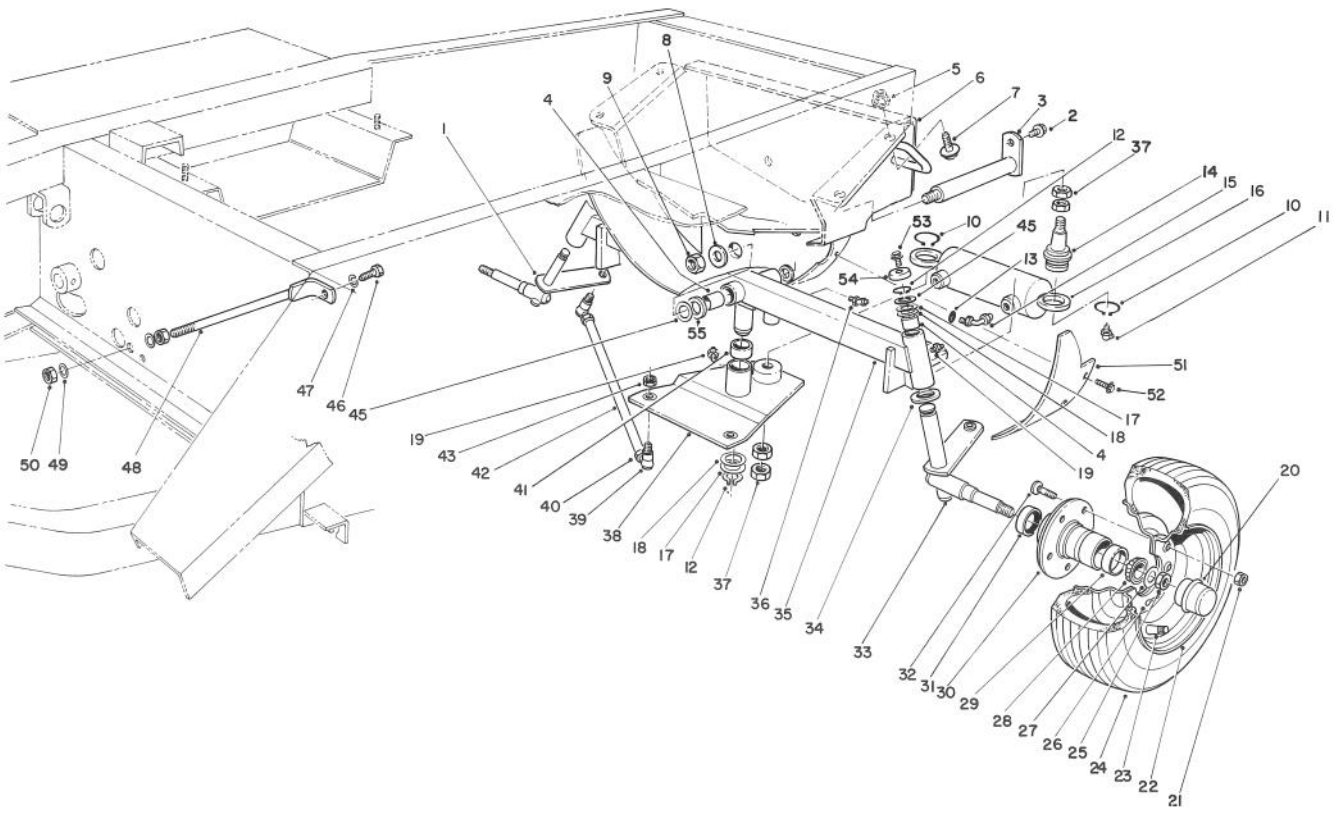
T–0422A

REAR AXLE & WHEEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	92–7825	Spindle Assembly R.H.	1
2	3234–14	Screw – Hex. Washer Hd.	1
3	92–7807	Pin – Rear Axle	1
4	67–1750	Bushing	6
5	32128–23	Nut – Lock Flange	4
6	92–7803	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	32151–104	Ring – Retaining	2
11	302–40	Fitting – Grease	2
12	32151–36	Ring – Retaining	3
13	237–22	O–Ring	1
14	92–5938	Ball Joint	2
15	340–54	Fitting 45°	2
16	92–7828	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	92–7823	Spindle Assembly L.H.	1
34	256–121	Bushing – Thrust	2
35	92–7816	Axle – Rear (Incl. Ref. #4)	1
36	302–11	Fitting – Grease	1
37	3220–6	Nut – Jam	4
38	92–7821	Steering Pivot (Incl. Ref. #41)	1
39	21–0141	Socket Assembly R.H. Thd.	2
*	21–0151	Socket Assembly L.H. Thd.	2
40	3220–5	Nut – Jam R.H. Thd.	2
*	3220–12	Nut – Jam L.H. Thd.	2
41	256–242	Bushing	2
42	21–1990	Tie Rod Assembly	2
43	3220–3	Nut – Jam	8
45	56–2460	Washer	A/R
46	323–6	Screw – Cap Hex Hd.	1
47	3253–21	Washer – Lock	1
48	24–9830	Support Axle	1

*Not Illustrated

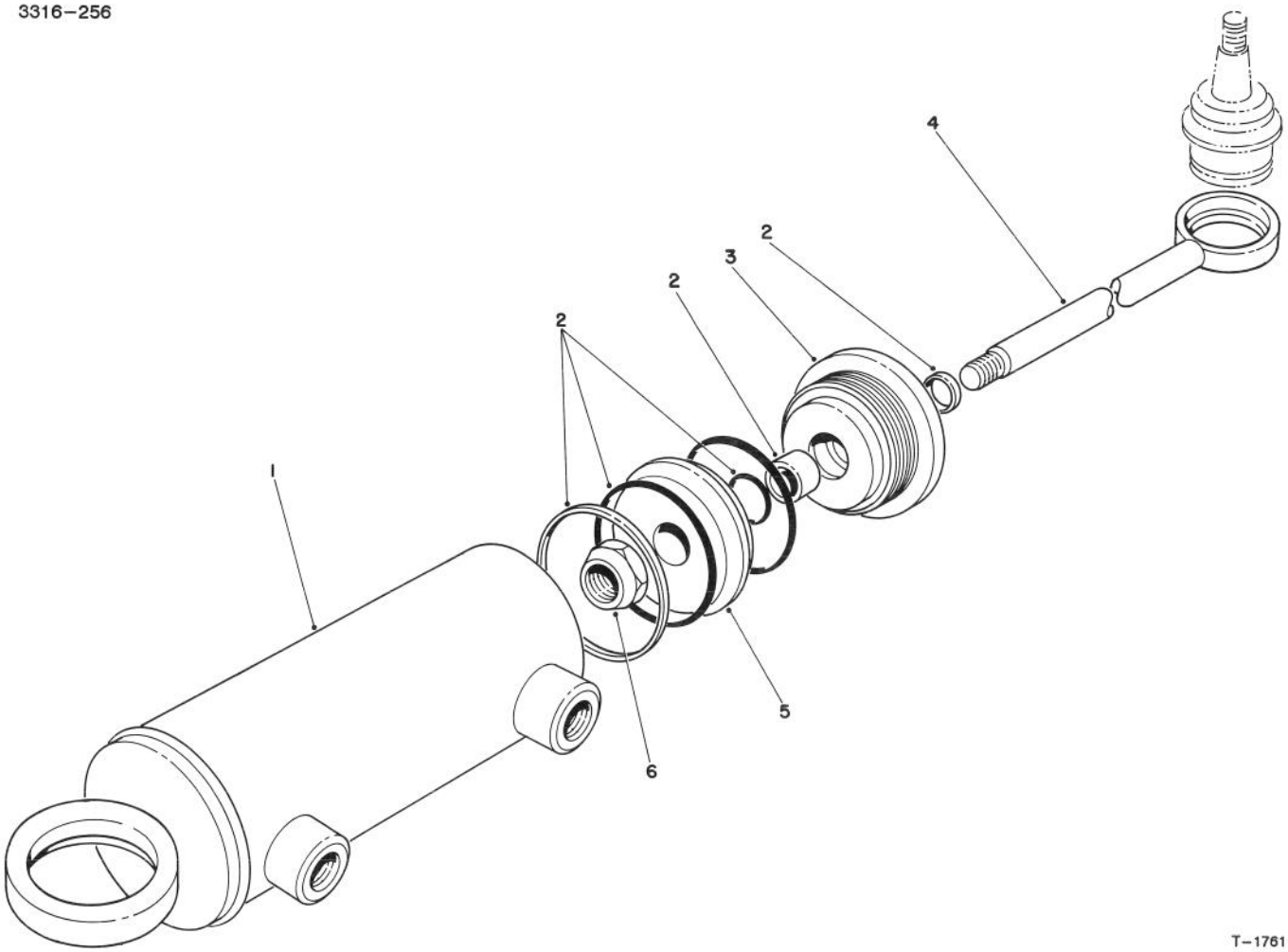


T–0422A

REAR AXLE & WHEEL ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
49	3256–6	Washer – Flat	2
50	3217–9	Nut	2
51	71–4850	Cover Flywheel Guard	1
52	32144–10	Screw – Thd. Forming	2

Ref. No.	Part No.	Description	No. Used
53	3234–13	Screw	2
54	66–2990	Cap – Spindle	2
55	92–7845	Spacer – Hardened	1

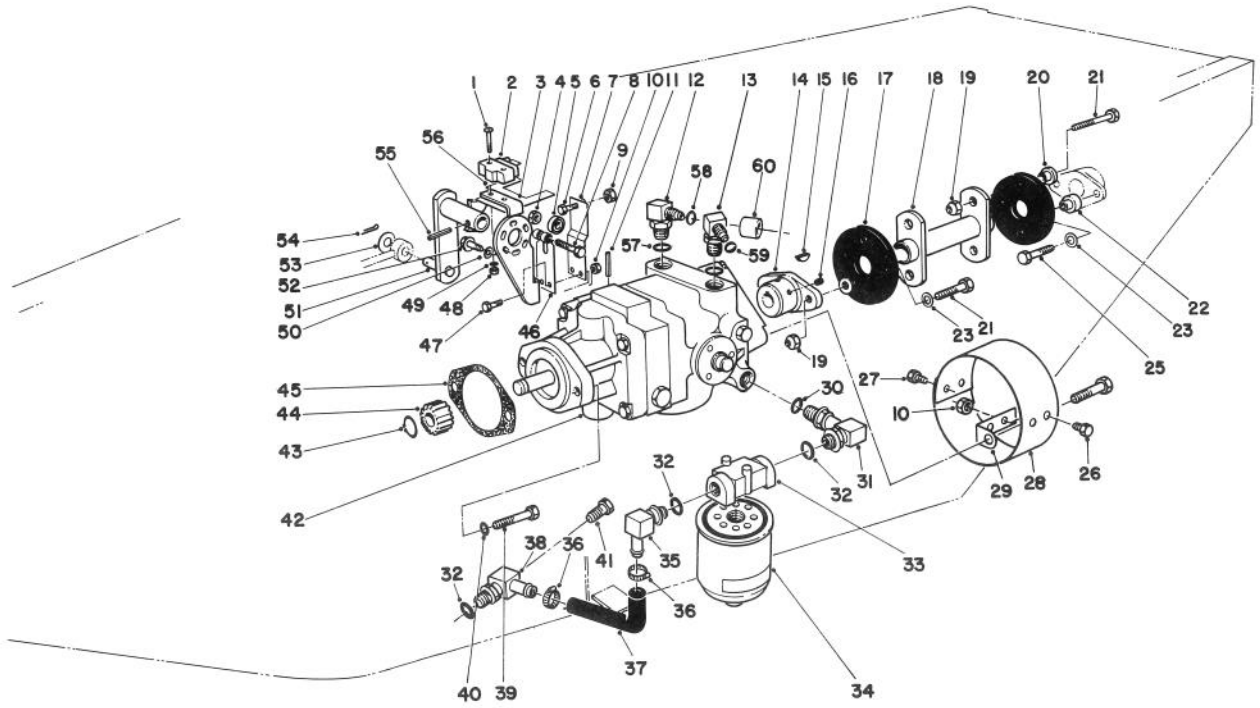


T–1761

HYDRAULIC STEERING CYLINDER

Ref. No.	Part No.	Description	No. Used
1		Tube Assembly	1
2	92–6593	Seal Kit	1
3	92–6588	Gland	1
4		Piston Rod Assembly	1

Ref. No.	Part No.	Description	No. Used
5	66–1940	Piston	1
6	66–1930	Nut – Lock	1
*	92–7828	Cylinder – Hyd. Steering (Incl. Ref. #1–6)	1

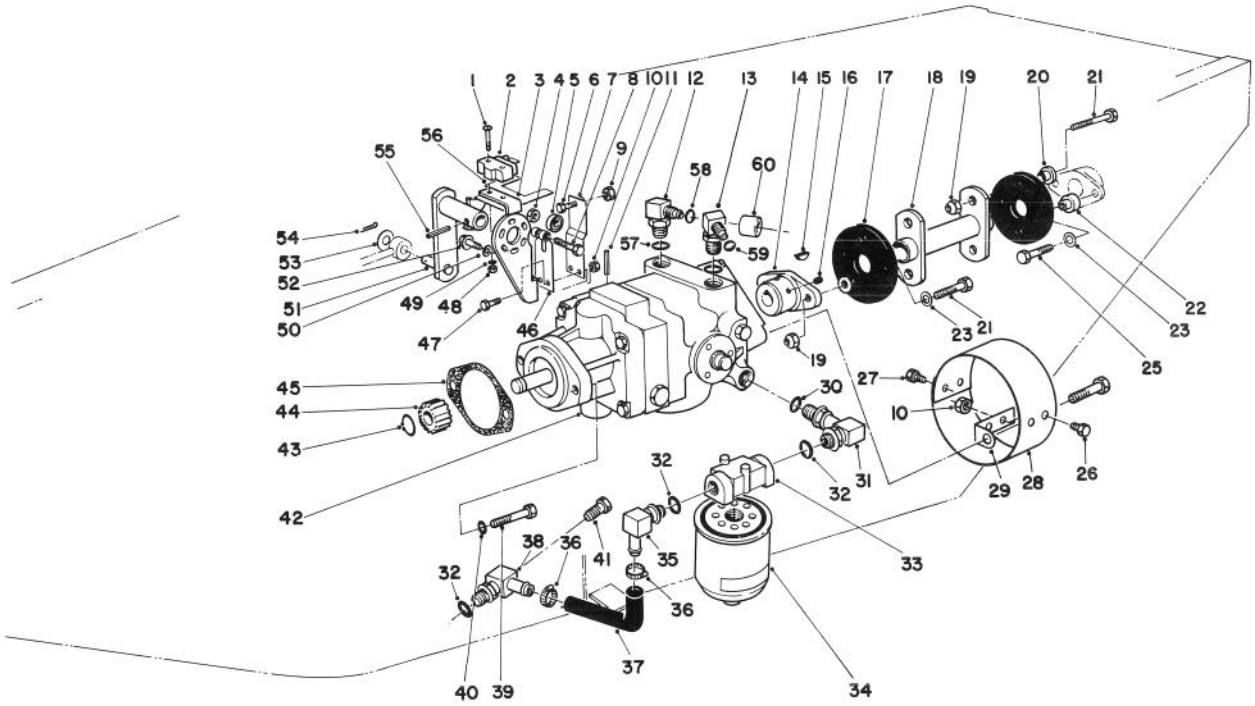


T–0424A

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	23–9740	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	92–8947	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

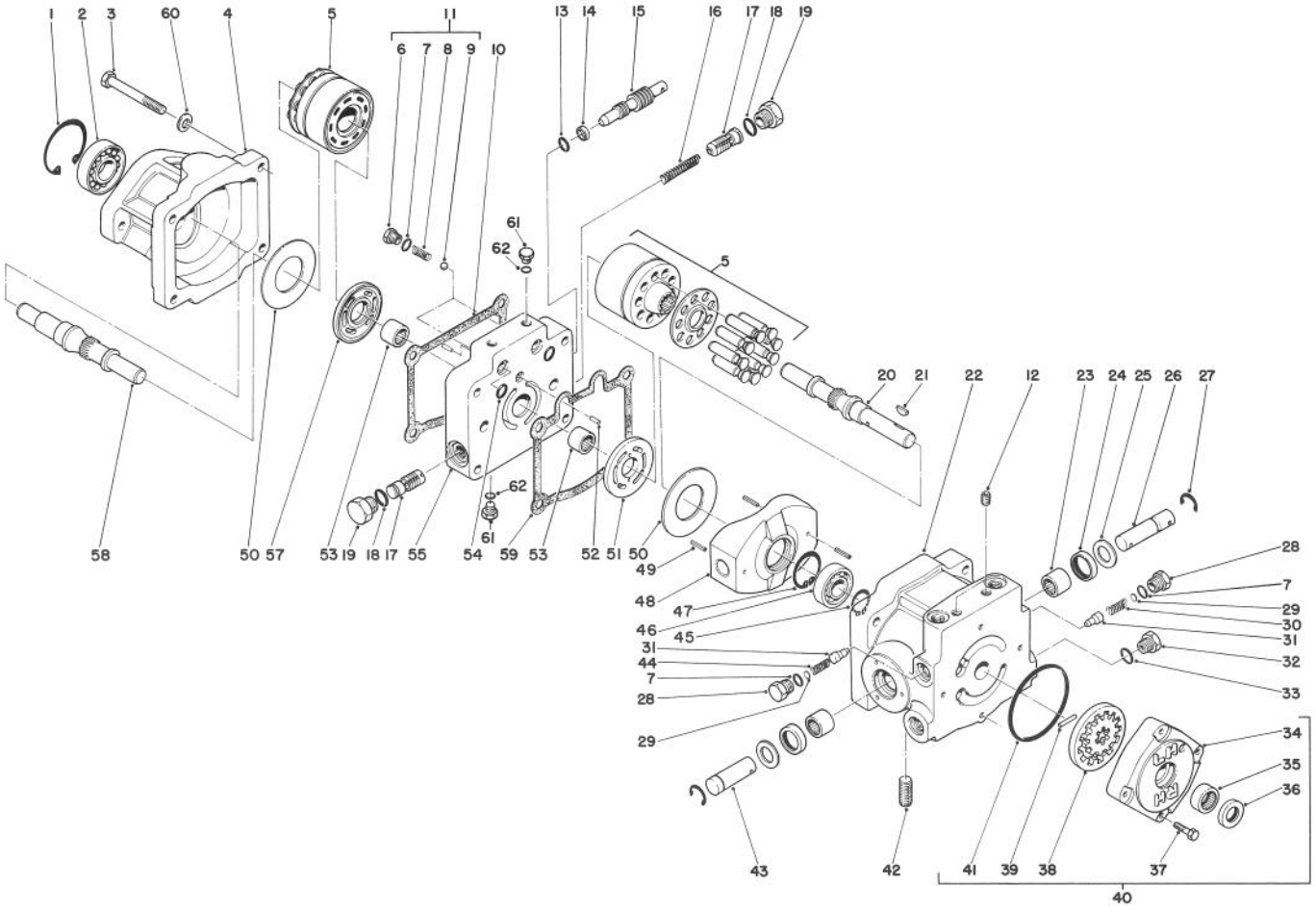


T–0424A

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
60	38–3400	Guard – Rubber	1



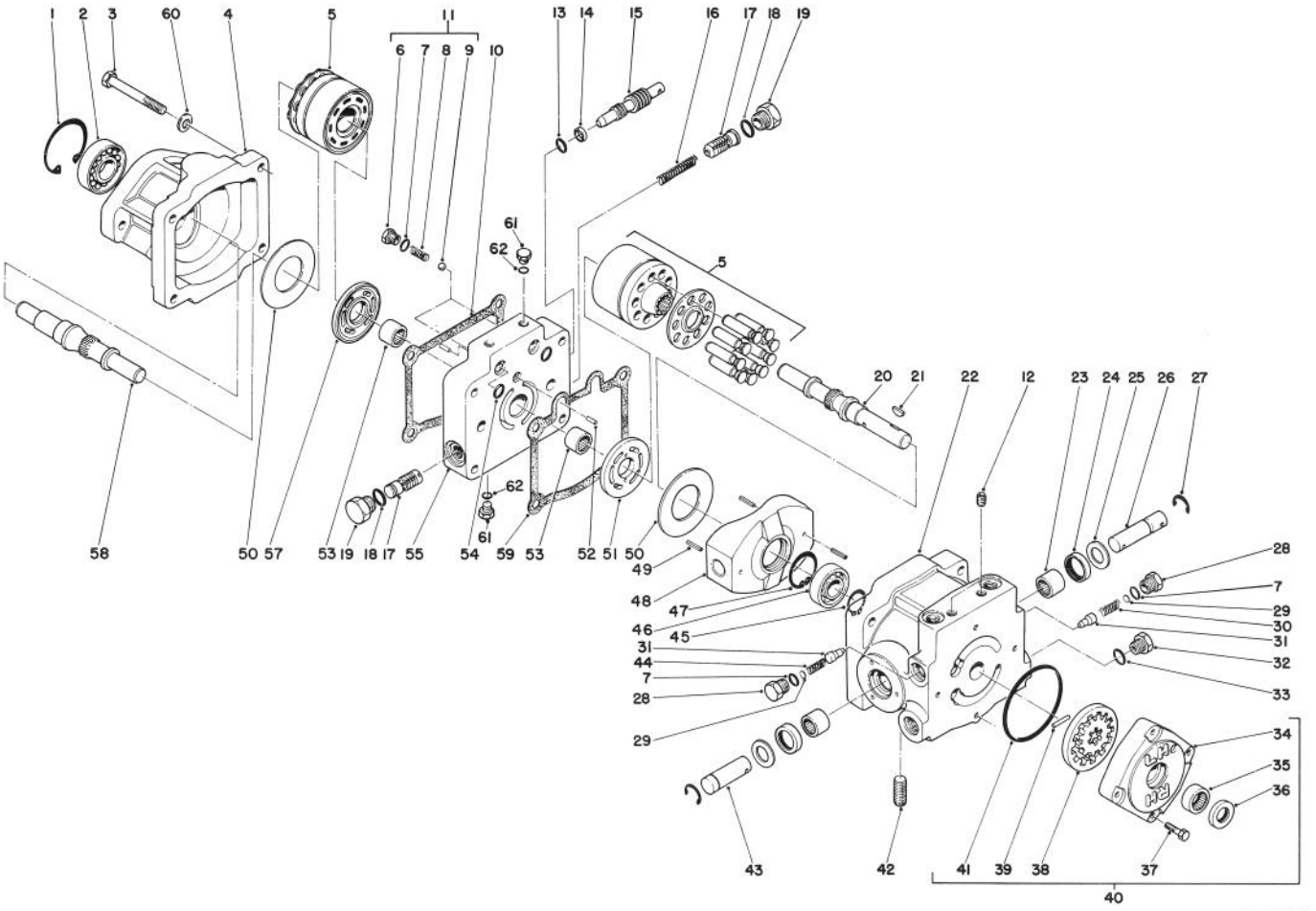
T–0425B

TRANSMISSION ASSEMBLY NO. 92–8947

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	2
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	67–8020	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	Trunnion 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	25–2560	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	Trunnion 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

3316–256

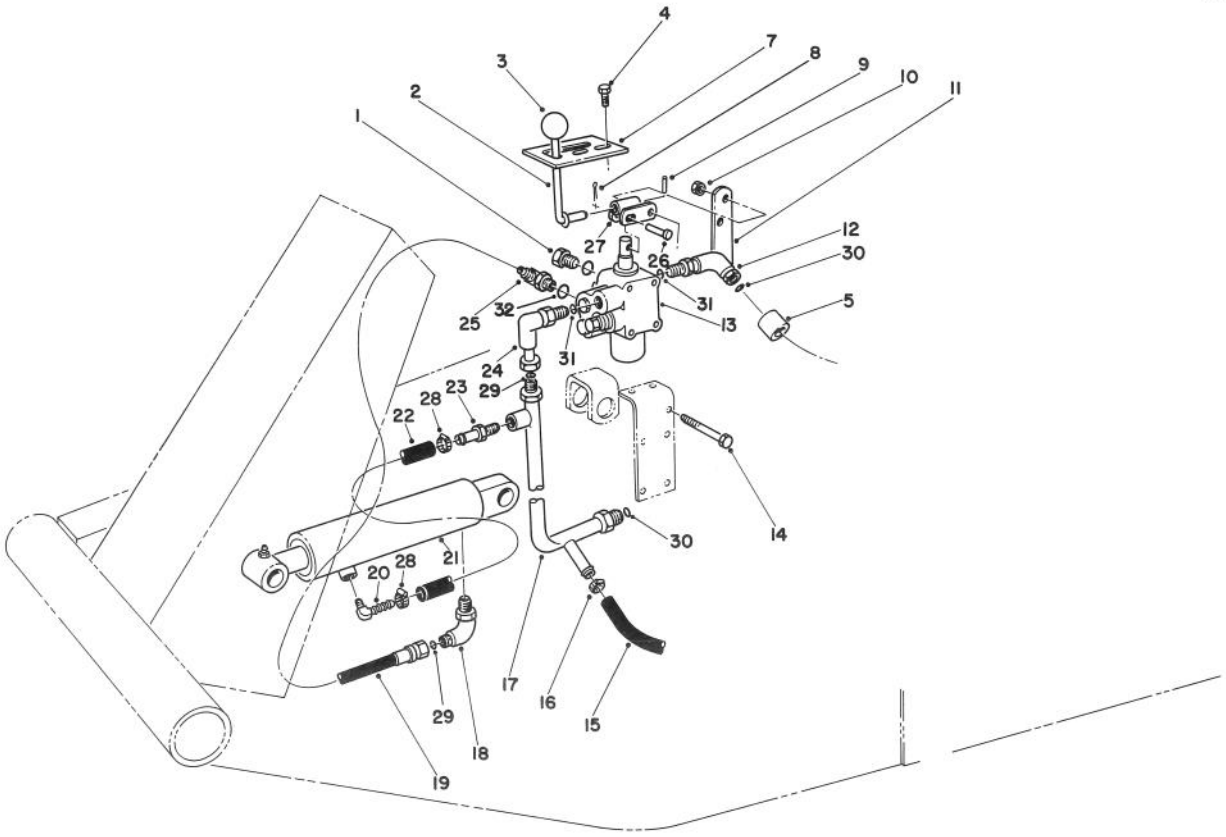


T–0425B

TRANSMISSION ASSEMBLY NO. 92–8947 (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
55	92–8918	Center Section	1
57	25–2390	Motor Valve Plate	1

Ref. No.	Part No.	Description	No. Used
58	46–8410	Motor Shaft	1
59	25–2400	Gasket	1
60	74–9510	Washer	4
61	92–8776	Plug (Incl. Ref. #62)	4
62	92–8777	O–Ring	4



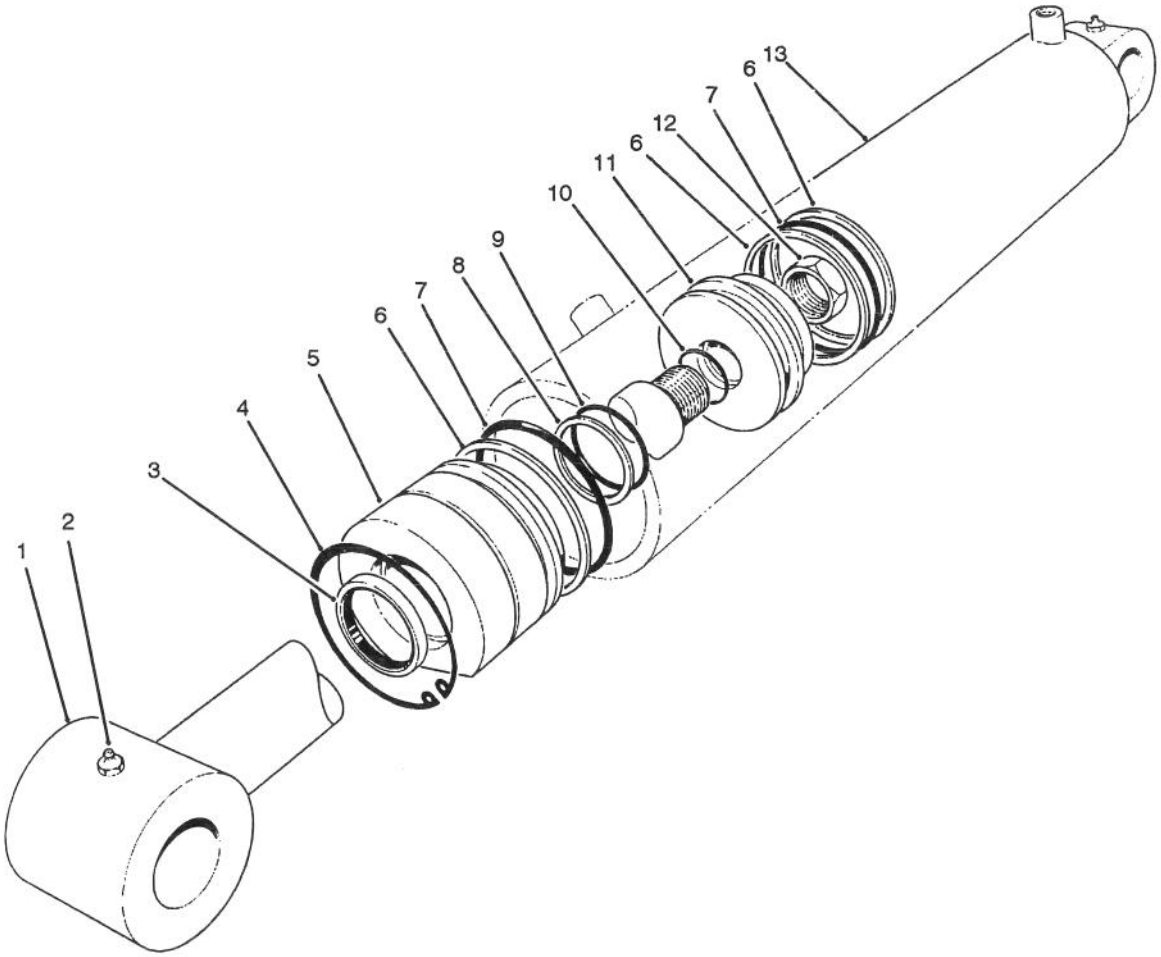
T–0426A

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
5	38–3400	Guard – Rubber	1
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	92–7833	Hose – Hydraulic (Valve to Cylinder)	1
20	304–75	Fitting – 90° Barb	1
21	62–4250	Cylinder – Hydraulic	1
*	66–1250	Cylinder – Hydraulic (Optional)	1
22	92–7834	Hose	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



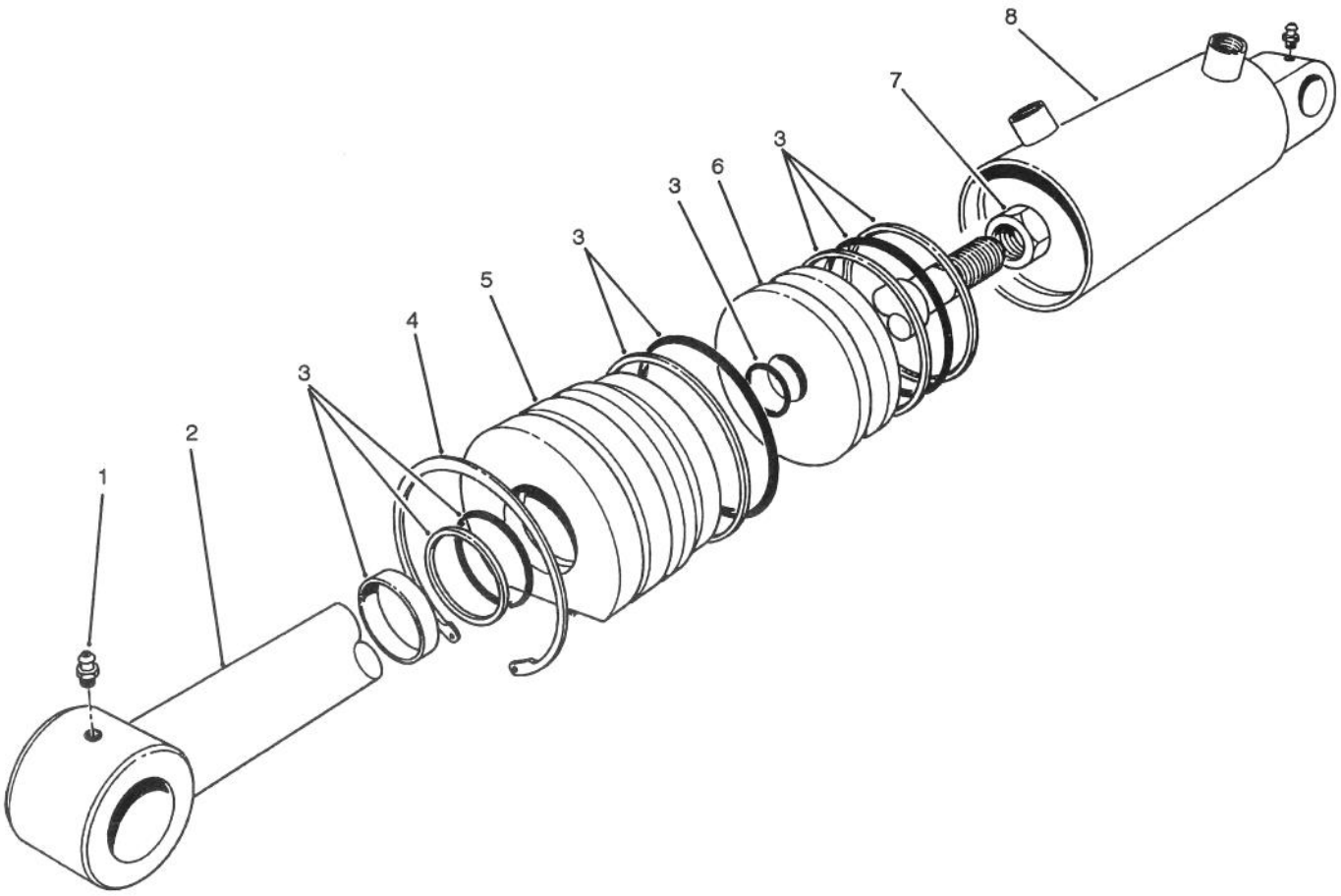
T–0859

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

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

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

†Not available separately..



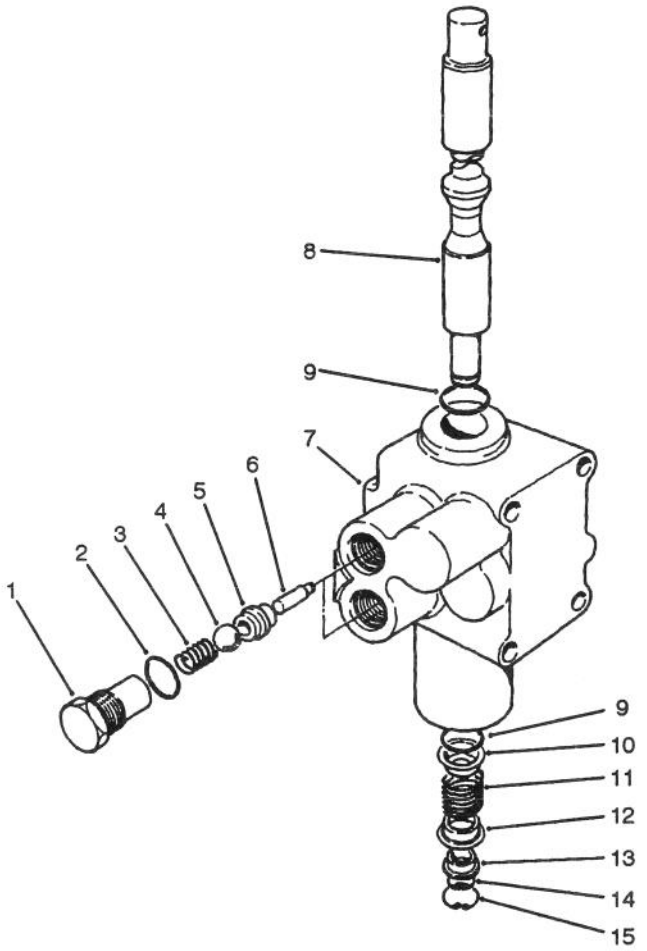
T–0527

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

Ref. No.	Part No.	Description	No. Used
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	I
7	60–9760	Nut – Hex	1
*8		Barrel	1

*Not available separately.

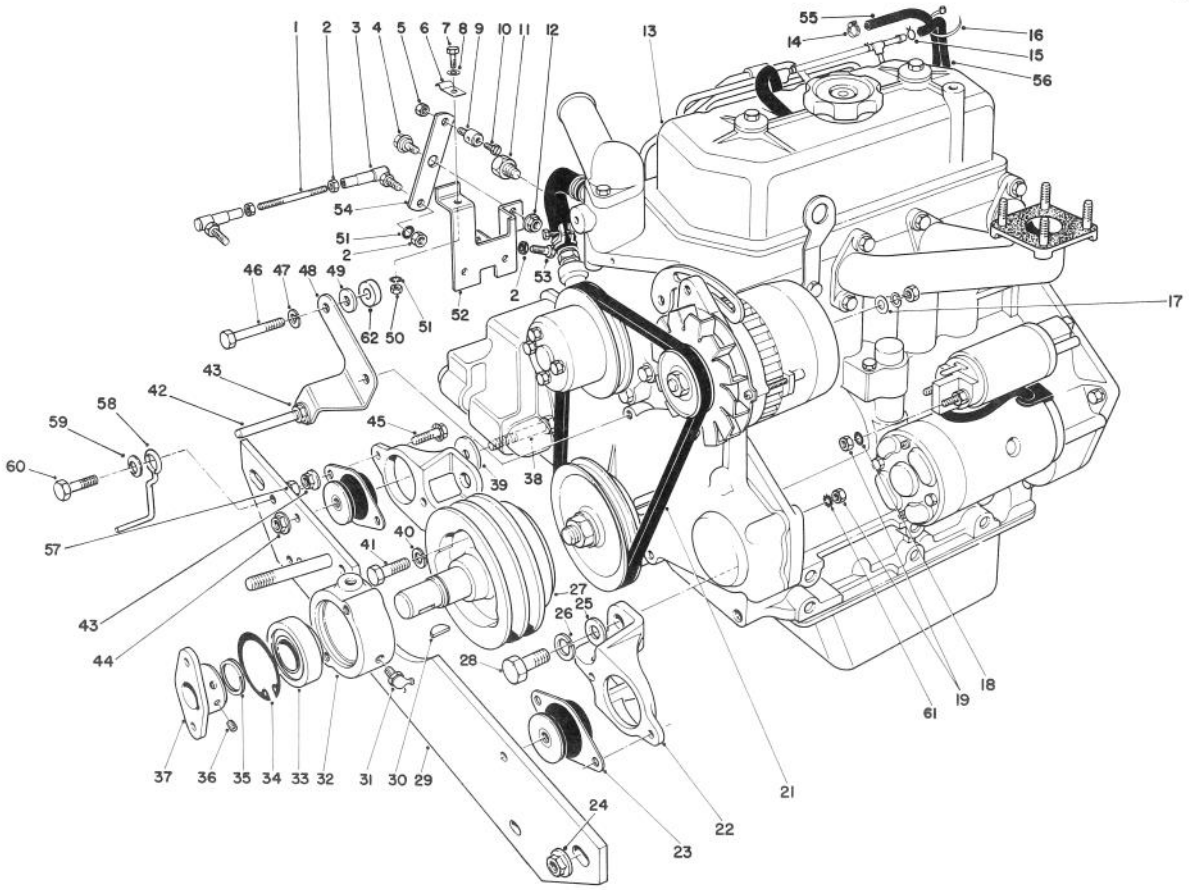


T–0428

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
8	22–8420	Spool	1

Ref. No.	Part No.	Description	No. Used
9	22–8500	O–Ring	2
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

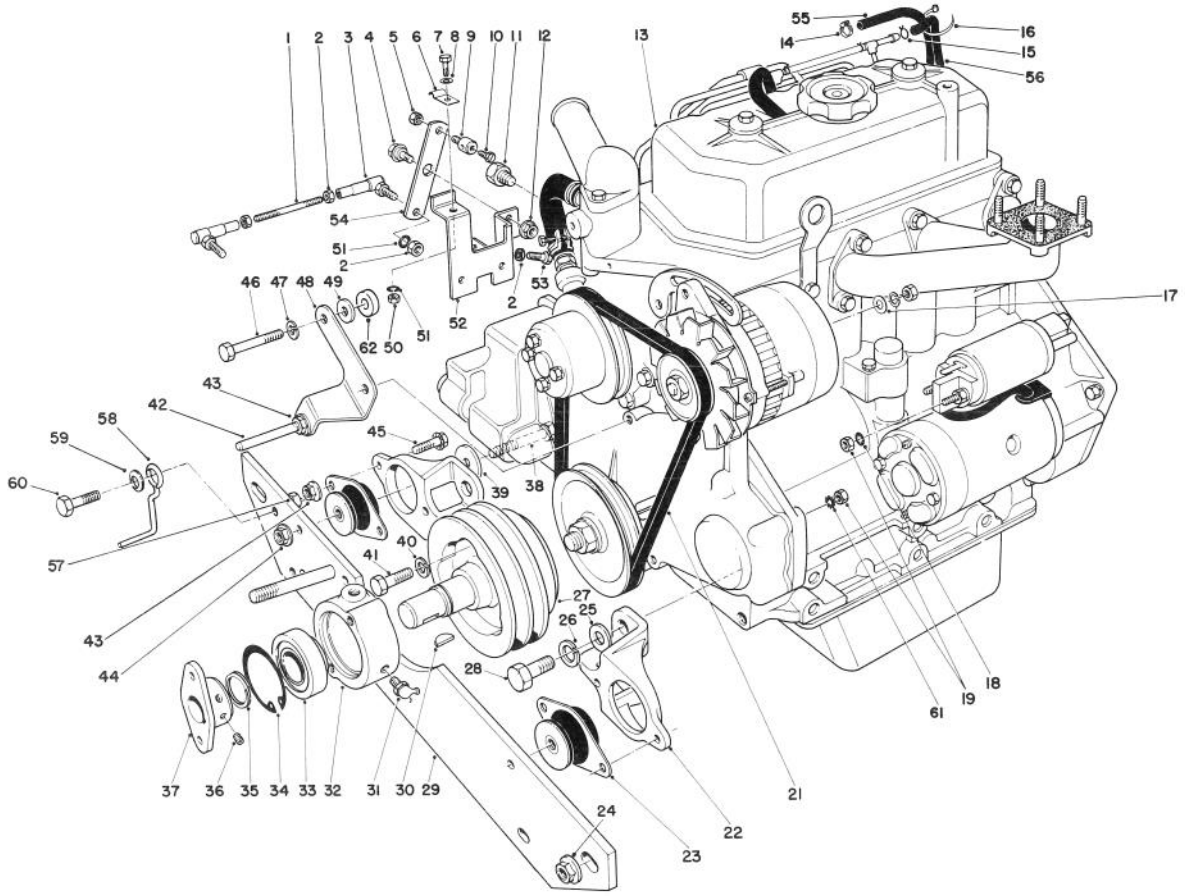


T–0429

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	3241–5	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

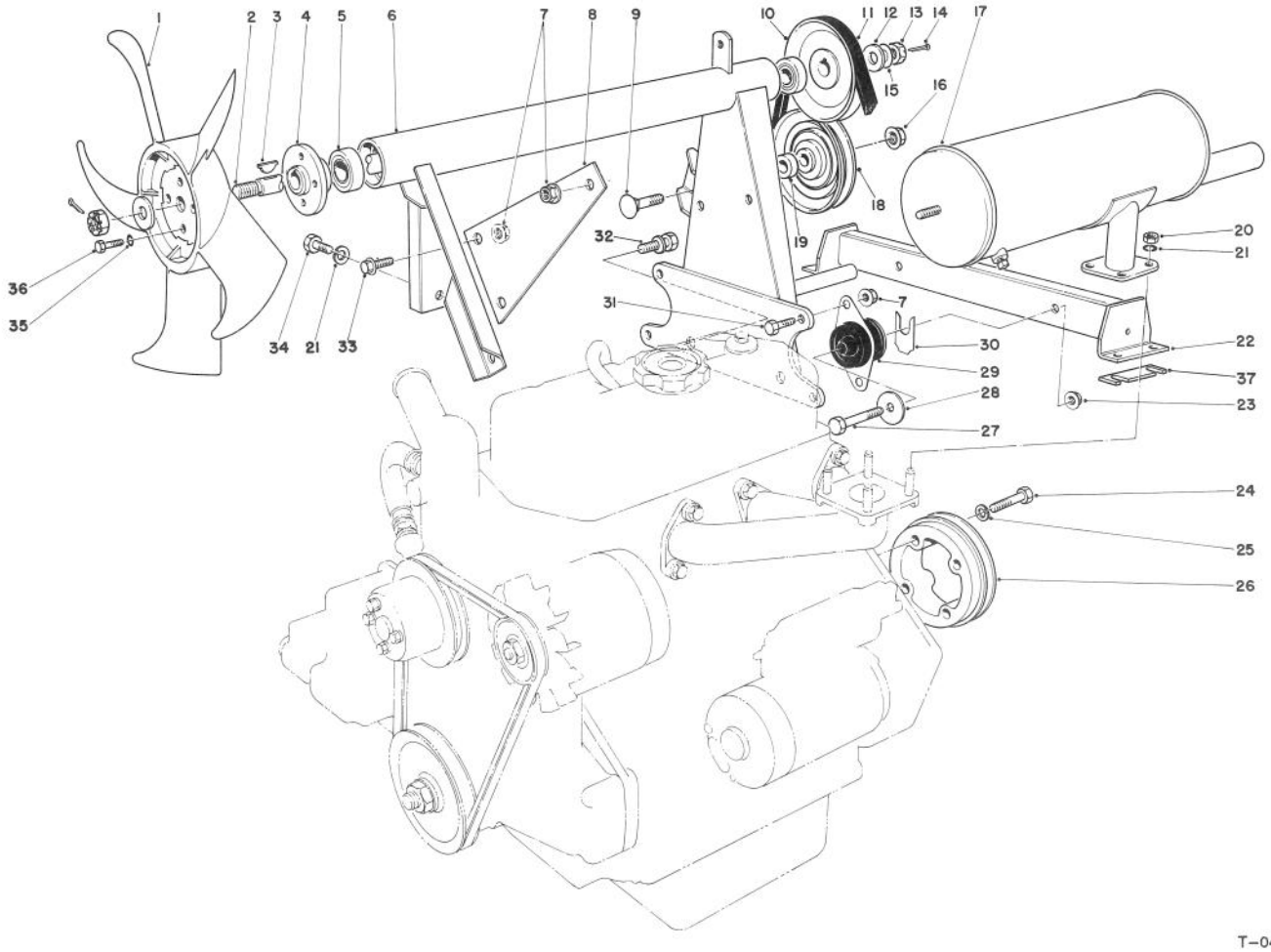


T–0429

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 E.T.L.W.	1
62	5–0652	Spacer	2



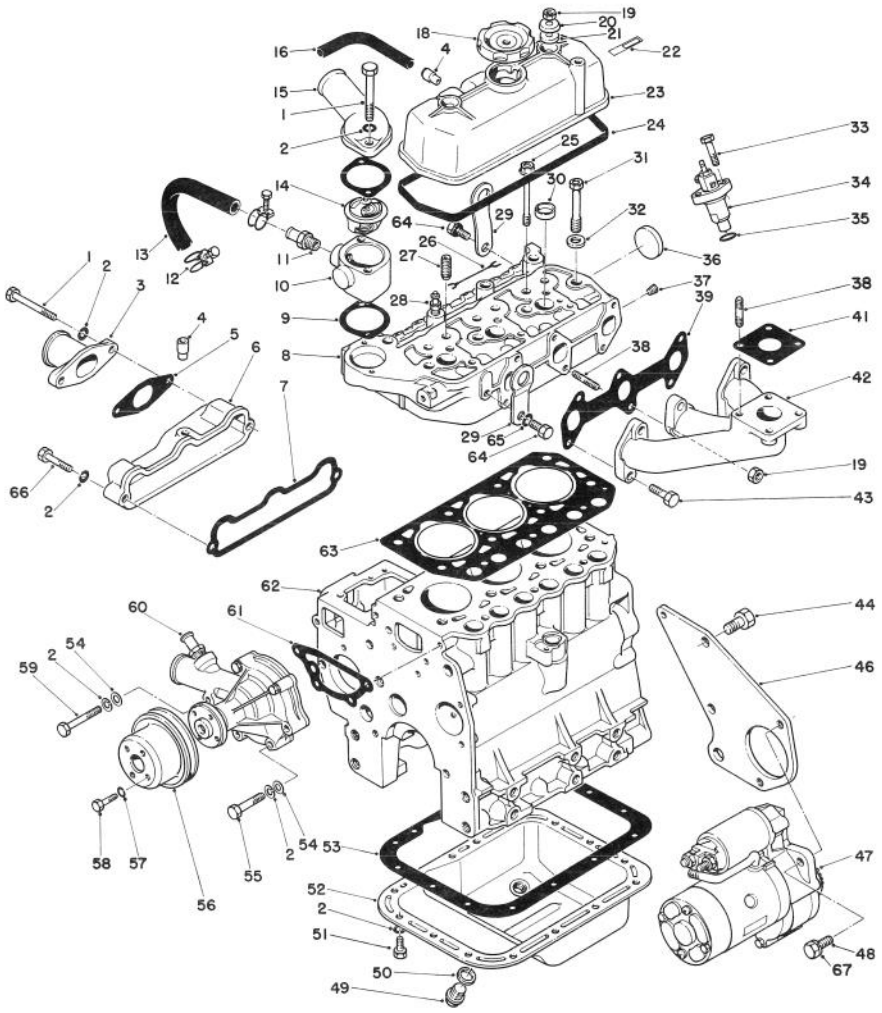
T-0430A

ENGINE ASSEMBLY (Continued)

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

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

*Not Illustrated

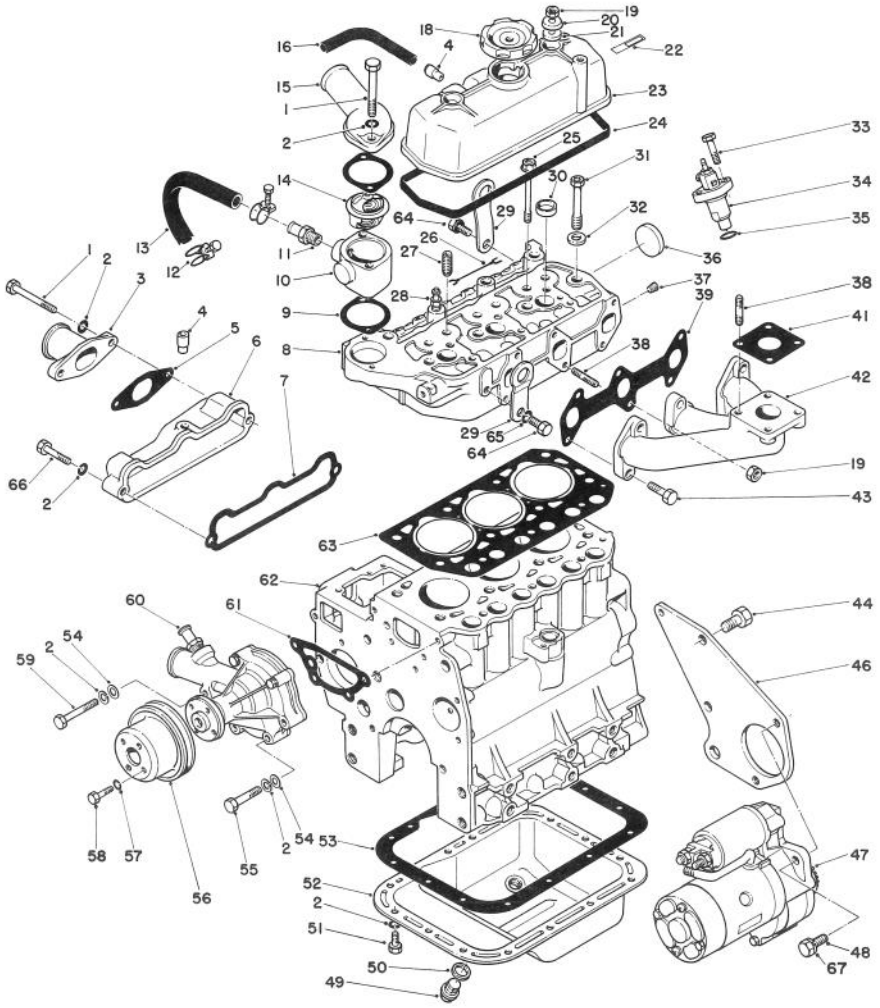


T-0431

ENGINE ASSEMBLY (Continued)

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

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



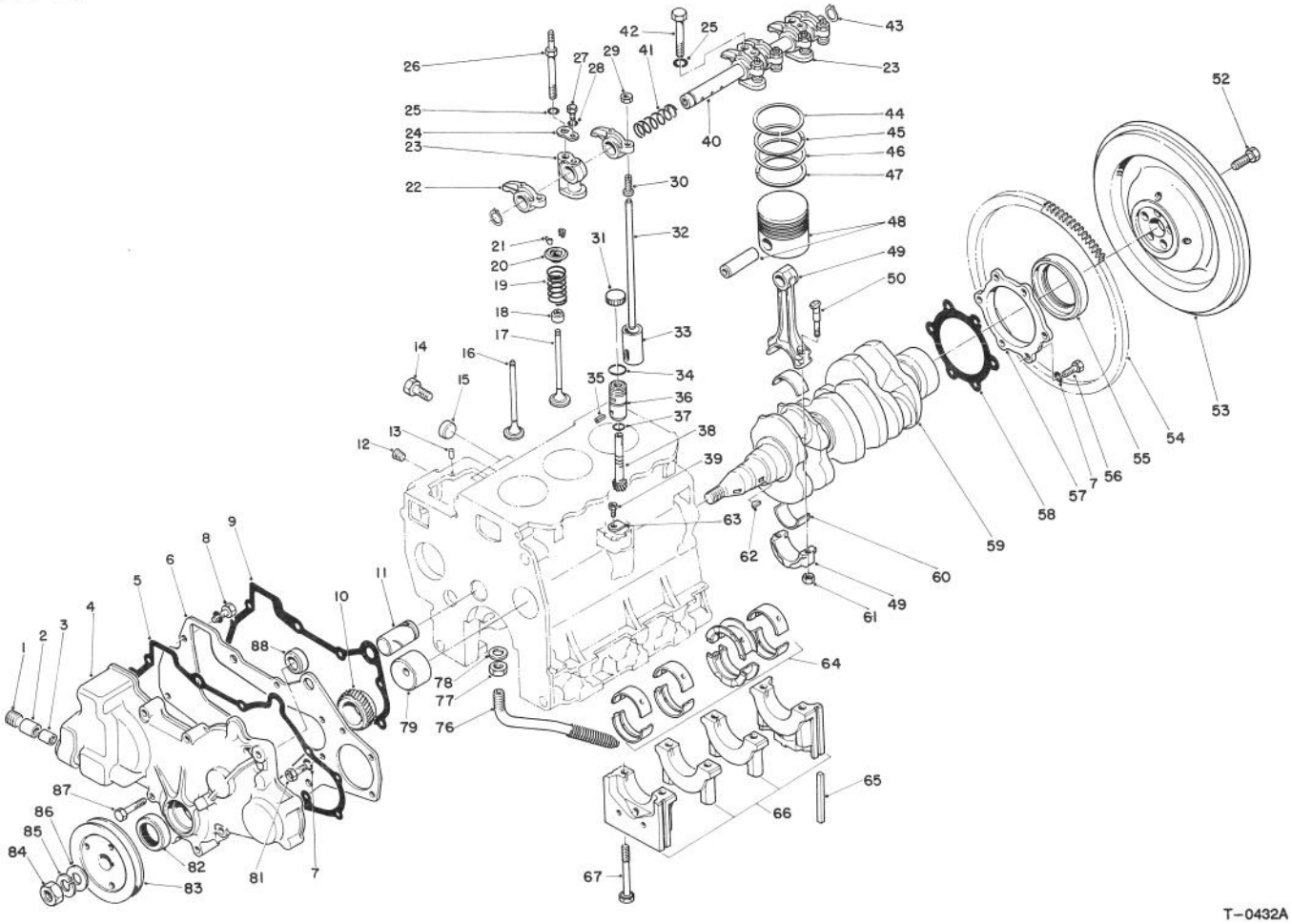
T–0431

ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
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



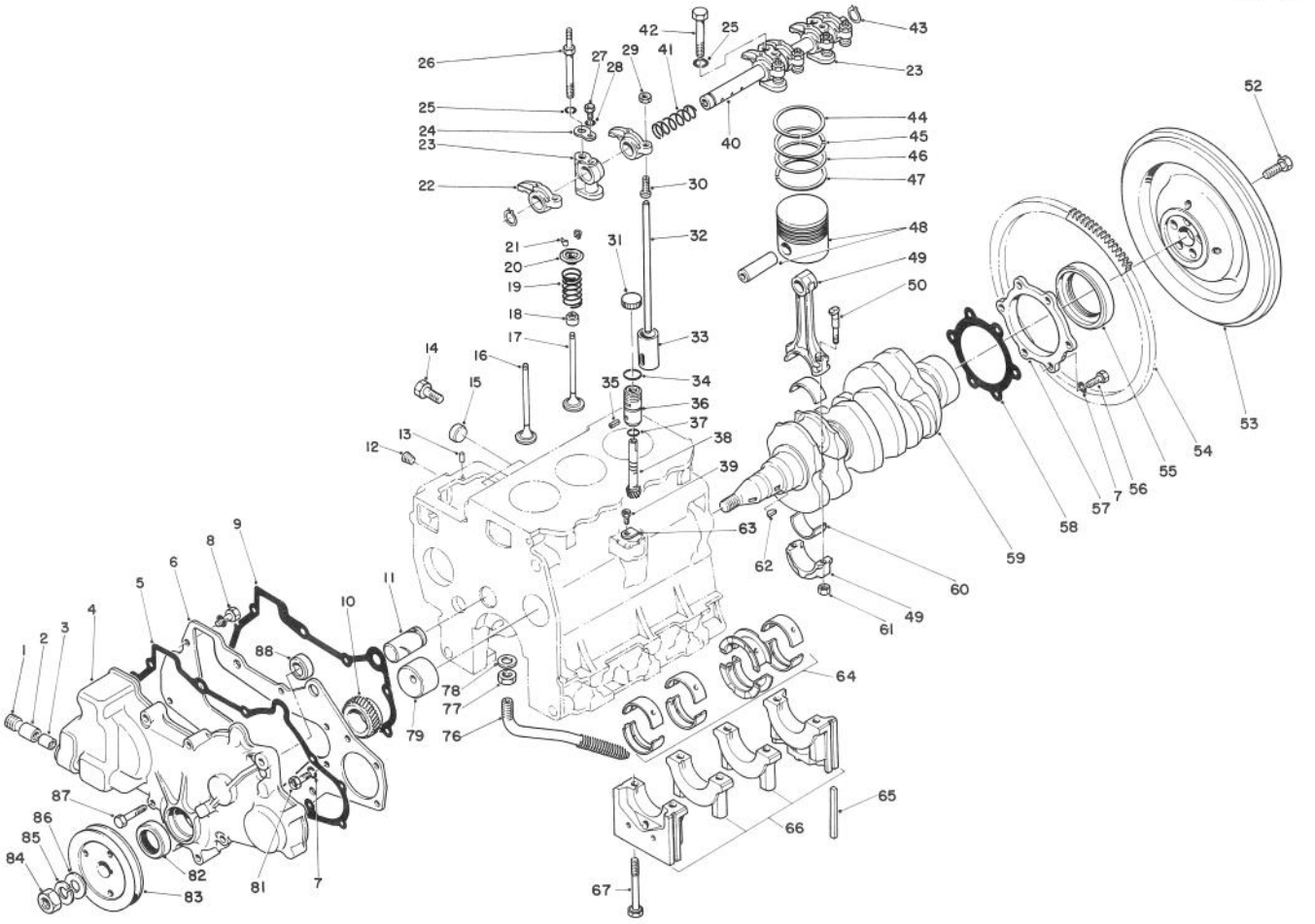
T–0432A

ENGINE ASSEMBLY (Continued)

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

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

*Not Illustrated
†Not Serviced Separately



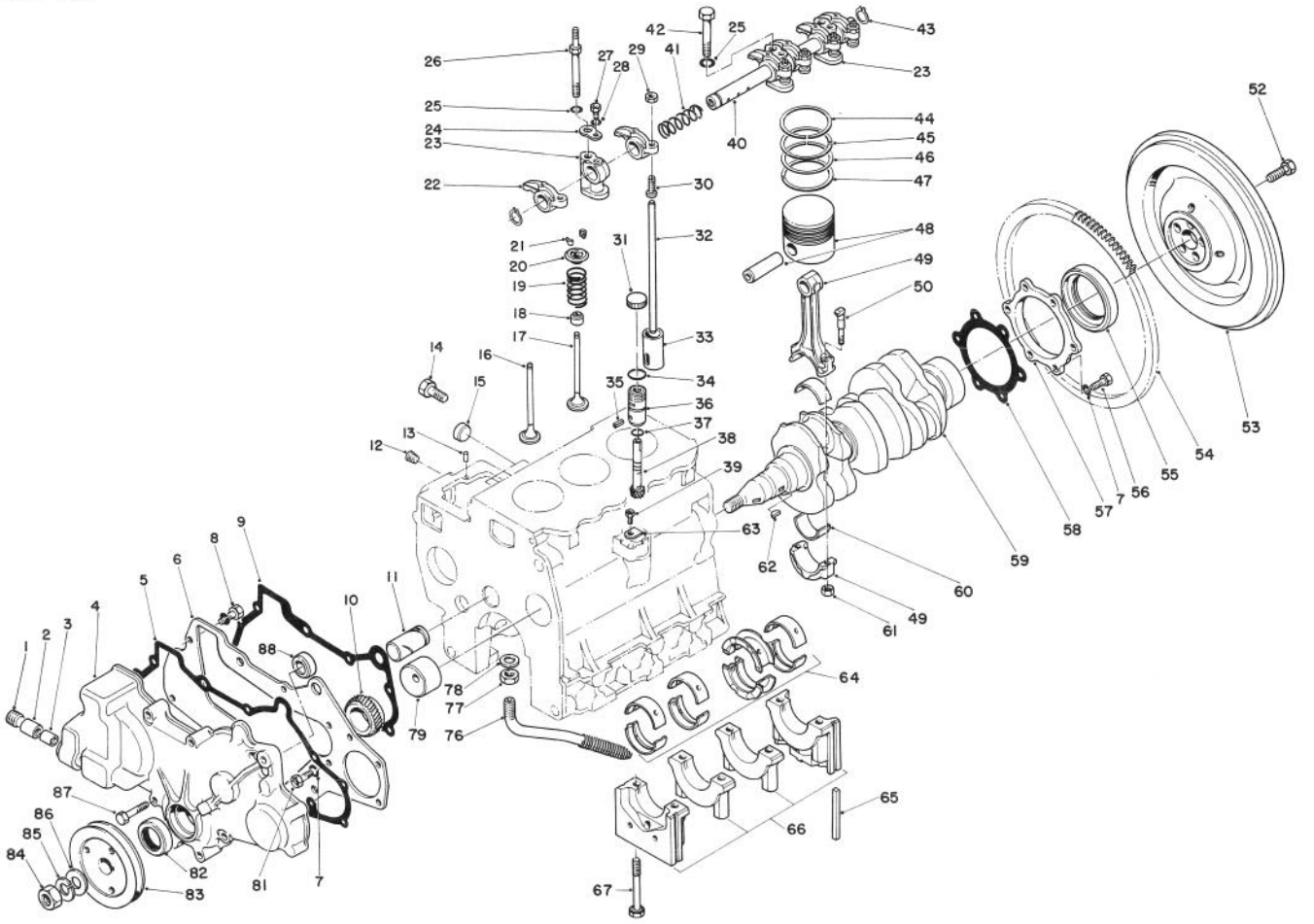
T–0432A

ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
48	72–4240	Piston & Piston Pin Std.	3
*	72–4250	Piston & Piston Pin 0.25 (.010 in.) 0.5.	3
*	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
*60	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 Available

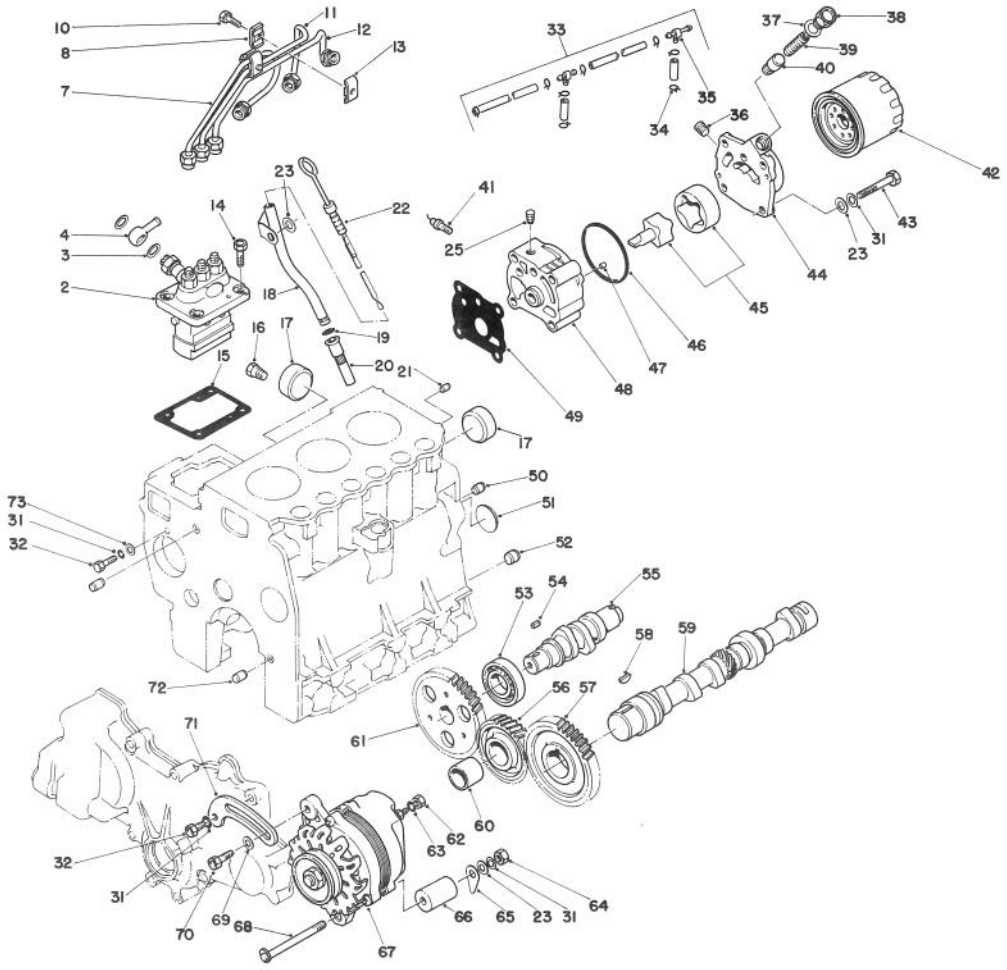


ENGINE ASSEMBLY (Continued)

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

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

*Not Illustrated
†Not Available



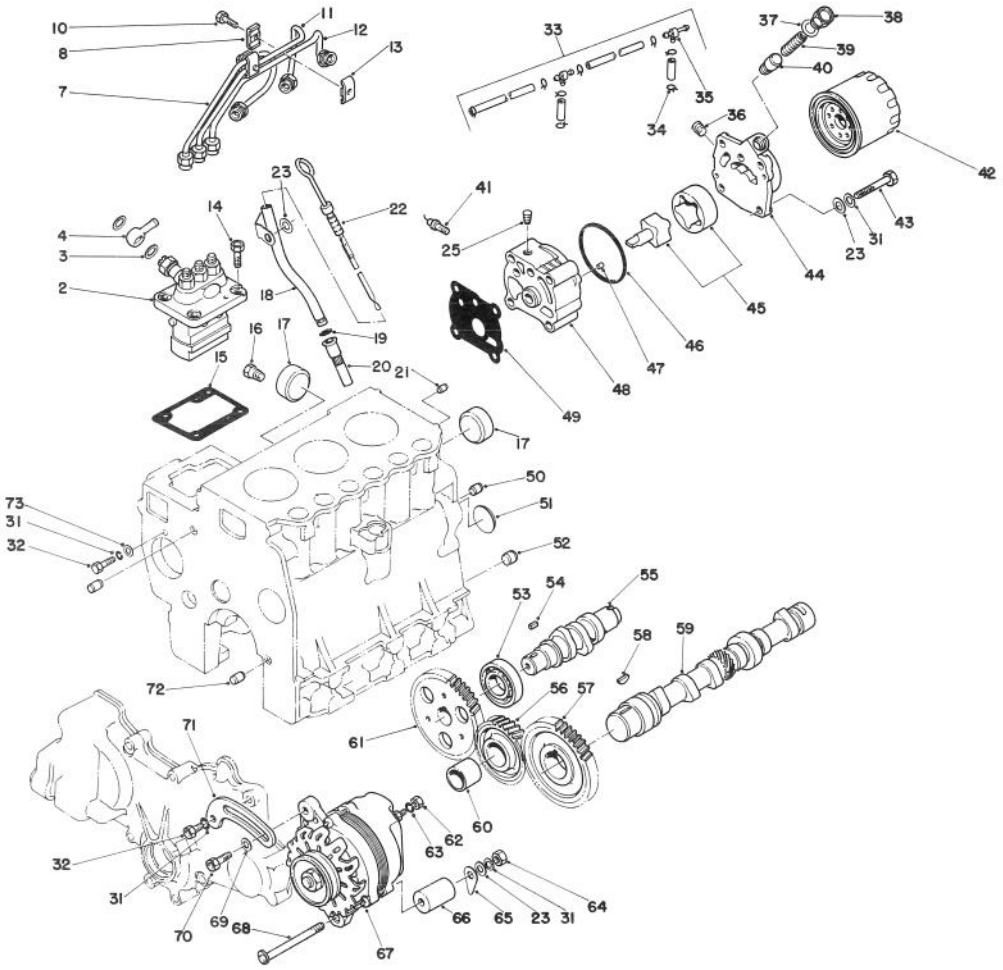
T–0433

ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
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	Gauge Assy. – Oil Level	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



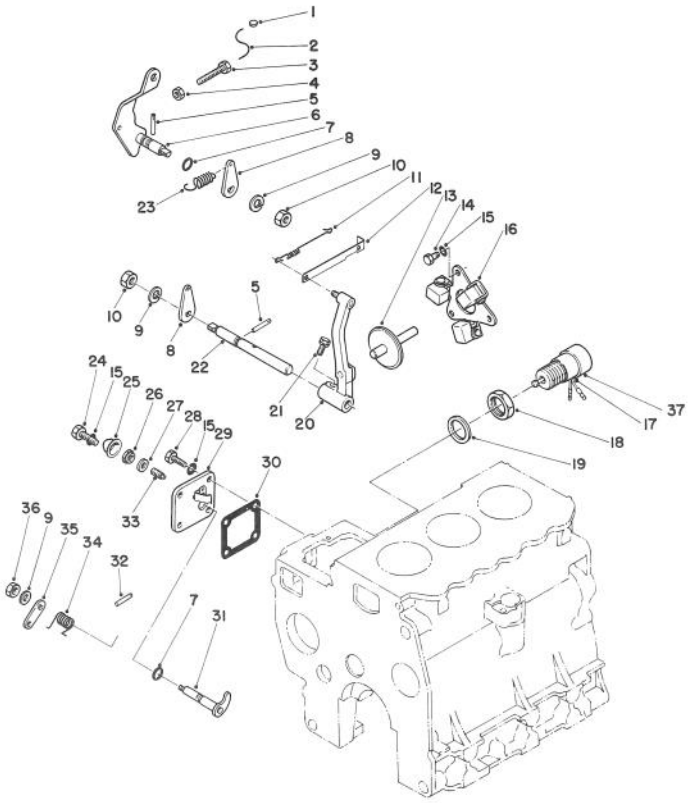
T-0433

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



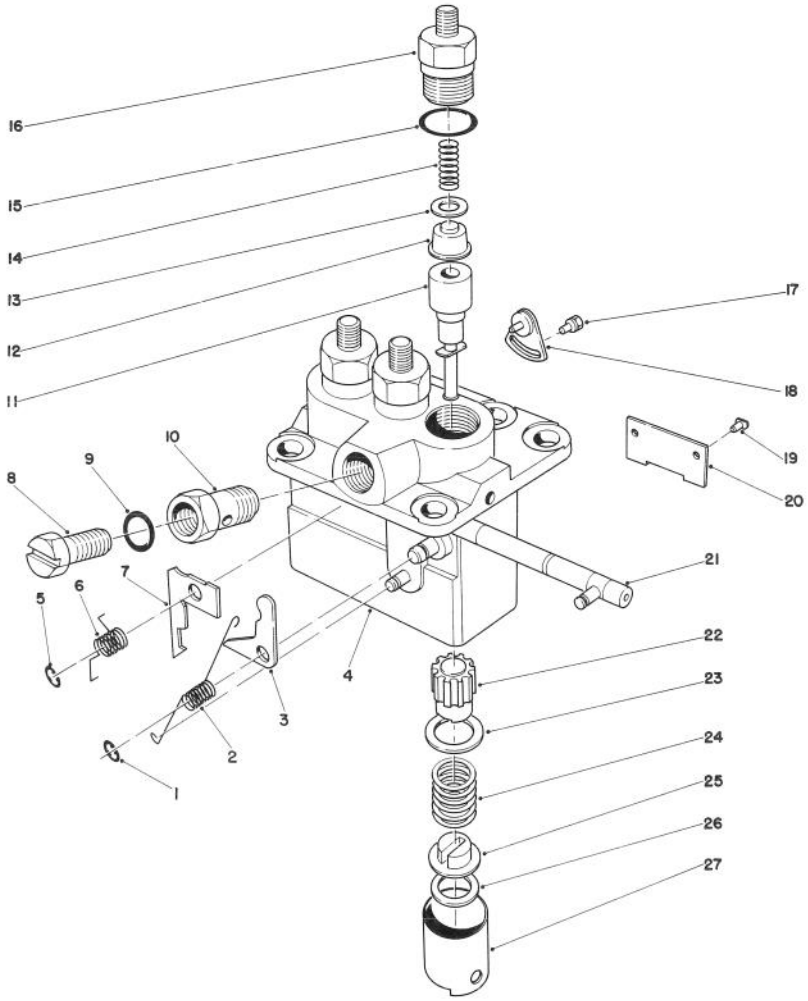
T–0434

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 Assembly – 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

3316–256



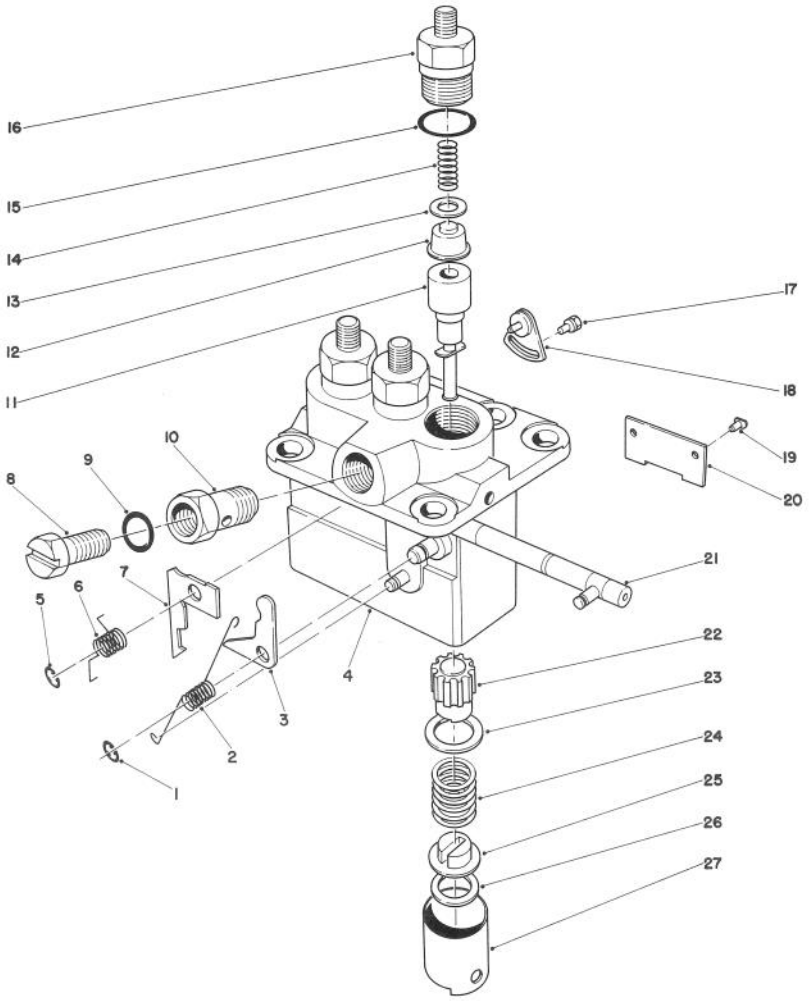
T–0435

FUEL INJECTION PUMP ASSEMBLY NO. 42–8000

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

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

*Not Illustrated



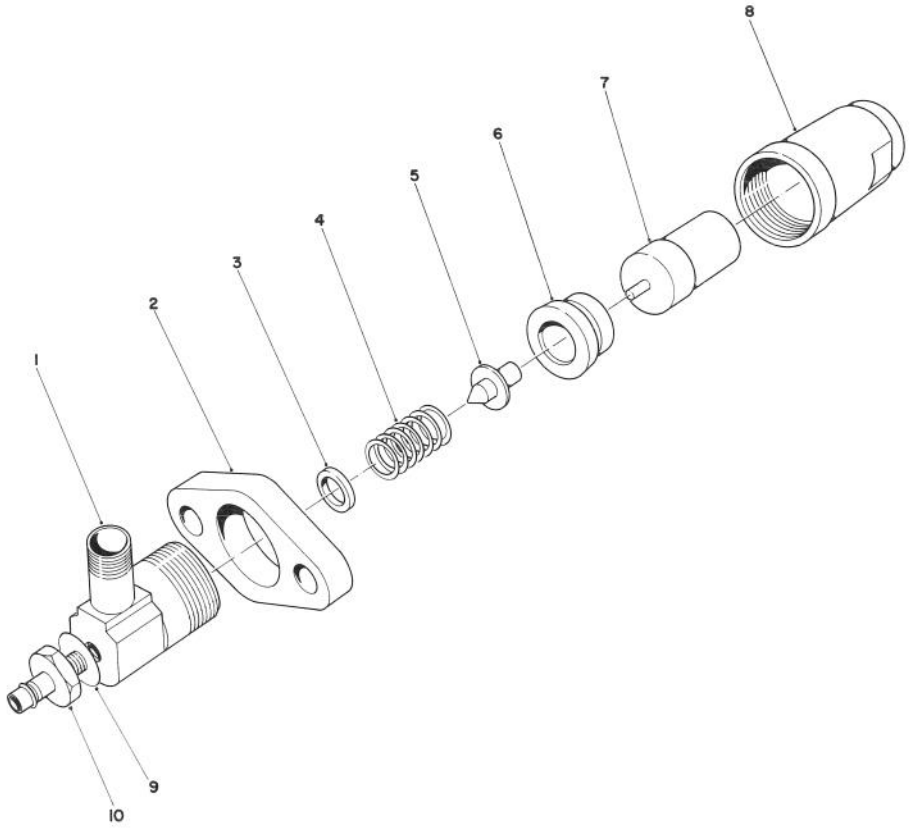
T–0435

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

Ref. No.	Part No.	Description	No. Used
8	42–8370	Screw – Air Breather	1
9	42–9770	Washer	1
10	42–8380	Screw – Hollow	1
11	42–8260	Element Sub Assembly	3
12	42–8250	Delivery Valve Sub Assy.	3
13	42–8240	Gasket – Delivery Valve	3
14	42–8230	Spring – Delivery Valve	3
15	42–8330	O–Ring	3
16	42–8220	Holder – Delivery Valve	3
17	43–3150	Bolt/Washer Assembled	2
18	42–8360	Plate Assembly – Adjusting	2
19	42–8340	Pin – Tappet Guide	3
20	42–8350	Plate	1
21	42–8310	Rack Assembly – Control	1
22	42–8270	Sleeve – Plunger Control	3
23	42–8280	Seat – Spring, Upper	3
24	42–8290	Spring – Pump Plunger	3
25	42–8320	Seat – Spring, Lower	3

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

*Not Illustrated

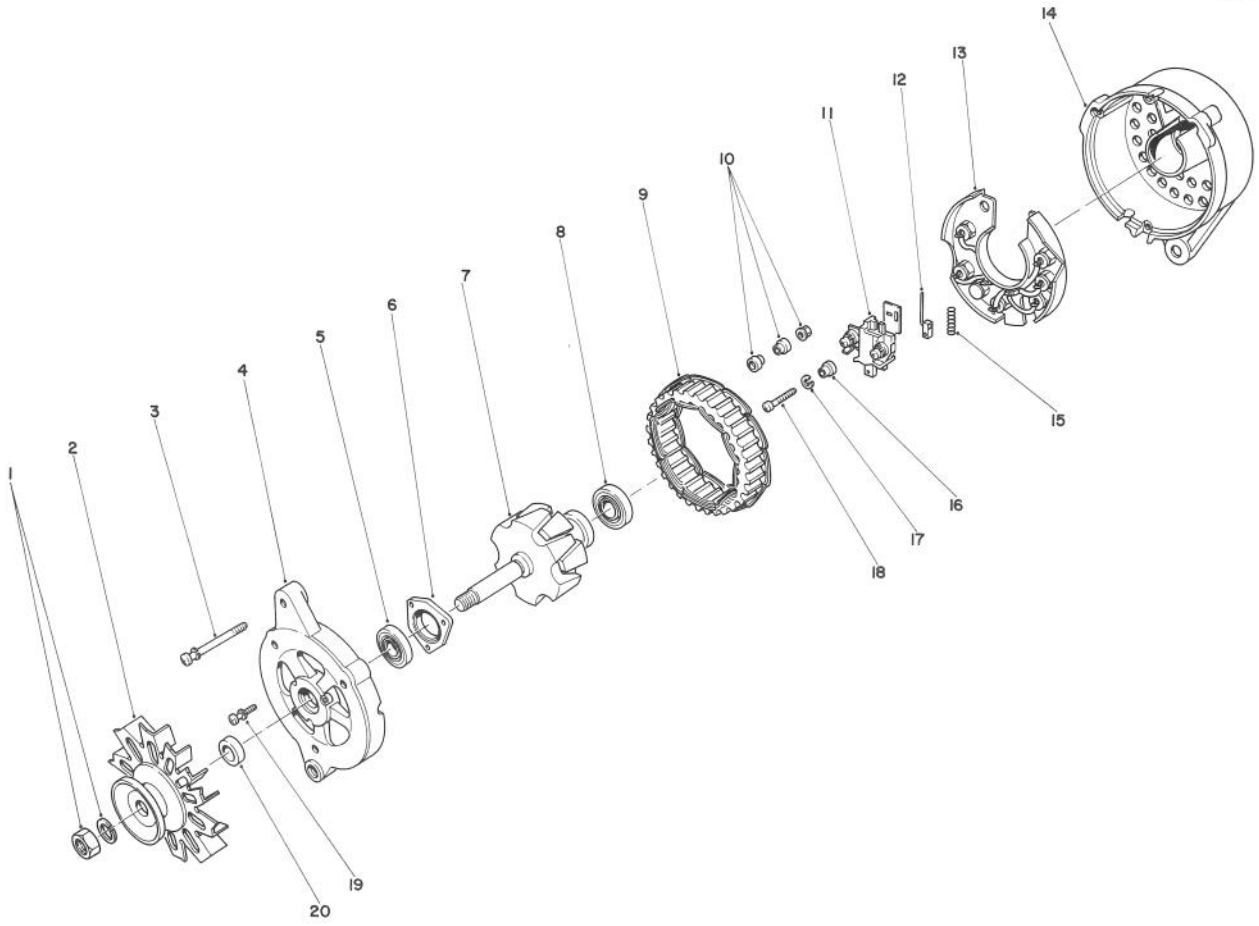


T–0436

NOZZLE & HOLDER ASSEMBLY NO. 44–8070

Ref. No.	Part No.	Description	No. Used
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

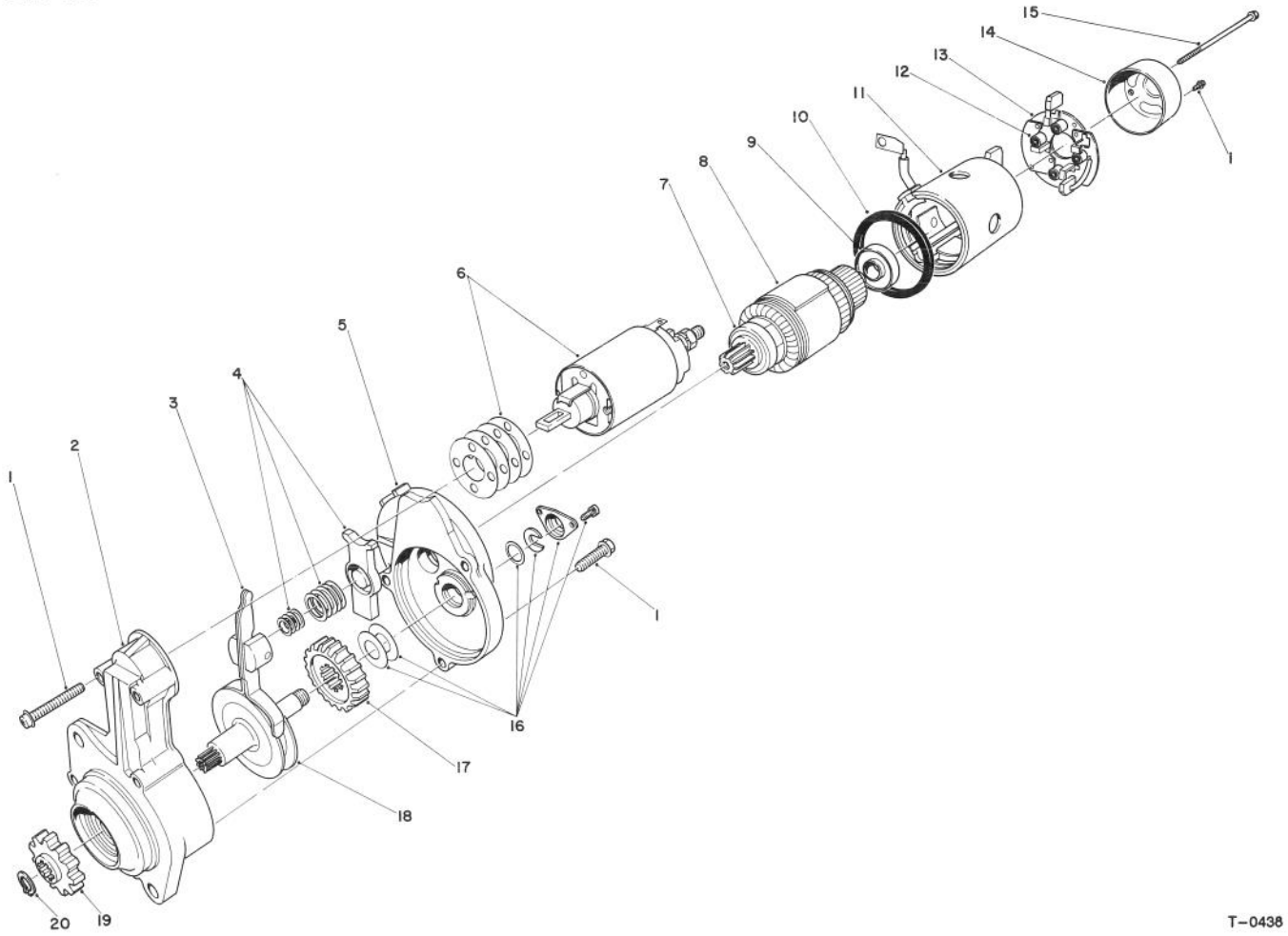
*Not Illustrated



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
11	43–0490	Holder Assembly Brush (Incl. Ref. #12 & 15)	1
12	43–0500	Brush	2
13	43–0520	Rectifier Assembly	1
14	43–0480	Rear Bracket Assembly (Incl. Ref. #10–13 & 15–18)	1
15	43–0510	Spring – Brush	1
16	43–2720	Mold	1
17	43–5920	Washer – Lock	1
18	43–1890	Screw	1
19	43–0130	Screw – Set	1
20		Collar – Shaft	1



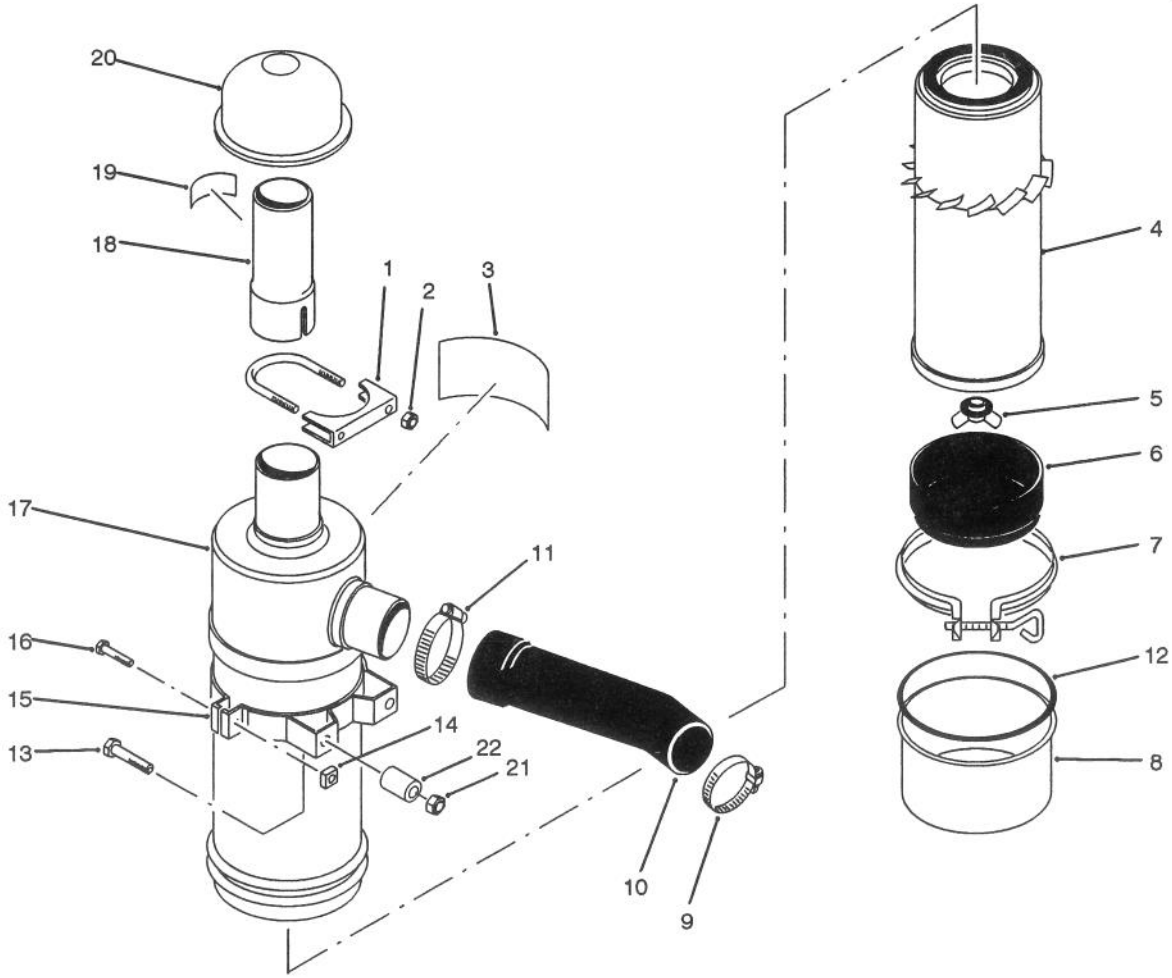
T–0438

STARTER ASSEMBLY NO. 46–7610

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

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

*Not Illustrated

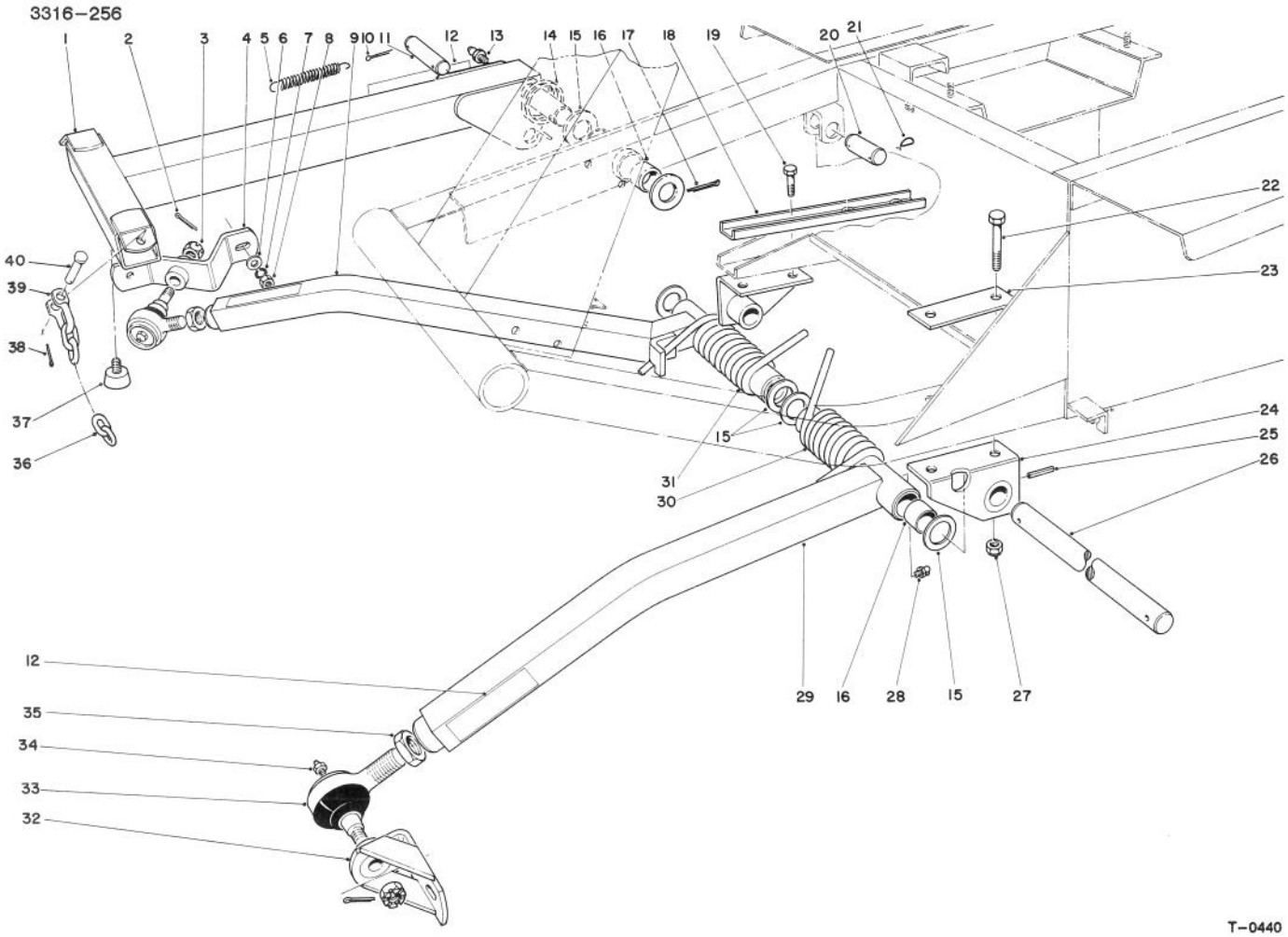


T–1188

AIR CLEANER ASSEMBLY

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

Ref. No.	Part No.	Description	No. Used
13	322–10	Screw – Cap Hex. Hd.	4
14	32107–11	Nut	2
15	27–7170	Band Assy. (Incl. Ref. #14 & 16)	2
16	3258–19	Screw – Mach. Rd. Hd.	2
17	27–7100	Air Cleaner Assembly (Incl. Ref. #3–8)	1
18	44–8950	Tube – Air Cleaner	1
19	83–9150	Decal – Starting Fluid	1
20	27–7180	Cap Assembly – Air Inlet	1
21	32128–20	Nut – Flange	4
22	77–3180	Spacer	4



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
$	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	55–4300	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	48	36	3
3–3251	Spring – Compression	11	9	1
3–6498	Washer	9	18	A/R
3–6657	Clip	8	31	2
3–6803	Washer	33	15	A/R
3–7243	Spring – Extension	11	13	2
3–7292	Pin	48	20	1
3–8812	Spacer	9	19	1
4–2390	Washer	31	49	2
5–0652	Spacer	9	37	1
5–0652	Spacer	32	62	2
5–0701	Spring Anchor	10	52	1
5–0838	Washer – Flat	6	58	3
5–1226	Washer	20	17	3
5–1747	Spring	9	21	1
5–1754	Washer	48	15	6
5–2942	Shackle	48	39	3
5–3126	Spring Pin	48	21	3
5–3637	Washer	31	17	1
6–1659	Toggle Switch	3	19	1
7–3900	Pad – Brake	11	1	1
10–6830	Stud – Drive	20	32	10
10–8110	Washer – Thrust	20	18	A/R
11–0590	Screw – Hex. Hd. Tapping	11	5	2
11–0590	Screw – Self Tapping	5	44	2
11–9760	Screw – Self Tapping	23	52	3
12–5450	Thread Forming Screw	17	13	8
12–9990	Hour Meter	3	40	1
14–4149	Hood	6	55	1
18–1720	Ball Joint Assembly	31	3	2
18–2770	Cable – Ground	2	52	1
20–4840	Muffler Clamp	47	1	1
21–0141	Socket Assembly R.H.	11	26	1
21–0141	Socket Assembly R.H. Thd.	20	39	2
21–0151	Socket Assembly L.H. Thd.	20	*	2
21–0230	Pulley P.T.O.	9	13	1
21–0400	Spring – Compression	9	48	1
21–1600	Clamp P.T.O. Lever	10	54	1
21–1820	Stud – Belt Retainer	31	42	2
21–1830	Spring – Tension	9	50	1
21–1830	Spring Tension	48	$	1
21–1880	Grip Handle	9	1	1
21–1990	Tie Rod Assembly	20	42	2
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	20	30	2
21–2850	Mount – R.H. Pedal	11	4	1
21–2860	Push Arm Bracket	48	24	2
21–2890	Spring – Torsion R.H.	48	31	1
21–2900	Spring – Torsion L.H.	48	30	1
21–2960	Push Arm L.H.	48	29	1
21–2990	Shaft – Pivot	48	26	1
21–3000	Nut – Jam	48	35	2
21–3020	Ball Joint Mount R.H.	48	4	1
21–3050	Ball Joint Mount L.H.	48	32	1
21–3370	Cable – R.H. Brake	11	*	1
21–3380	Cable – L.H. Brake	11	15	1
21–3600	Foam – Tank Support	16	3	1
21–3610	Foam – Tank Support	16	21	1
21–3750	Support Plate	48	23	1
21–7670	Differential Case	18	33	1
21–7690	Pinion Gear	17	6	2
21–7700	Pinion Mate Shaft	18	31	1
21–7720	Thrust Washer	17	4	2
21–7730	Thrust Washer	17	7	2
21–7770	Drive Gear Screw	18	32	5
21–7830	Gear Cover	17	12	1
21–7850	Cup – Plug	17	20	1
21–8020	Spacer – Pinion Bearing	18	25	1
21–8090	Adjustment Shim .003	18	38	A/R
21–8100	Adjustment Shim .005	18	37	A/R
21–8110	Adjustment Shim .010	18	36	A/R
21–8120	Adjustment Shim .030	18	35	A/R
21–8180	Bearing	19	3	2
21–8270	Dowel Pin	17	3	2
21–8360	Clip – Retaining	19	12	2
21–8590	Link – Valve Lever	27	27	1
21–8620	Lever Valve	27	2	1
21–8640	Latch Valve Lever	27	7	1
21–9010	Pivot Mount – Valve Lever	27	11	1
21–9260	Cover – Dust	13	4	1
21–9370	Screw – Adjusting	19	16	2
21–9380	Nut – Pivot	19	17	2
21–9390	Socket – Adjusting Screw	19	15	2
21–9420	Spring – Shoe Return L.H.	19	19	2
21–9430	Spring – Shoe Return R.H.	19	7	2
21–9440	Spring – Adjusting Screw	19	14	2
21–9450	Dust Shield	19	5	2
21–9460	Retainer – Brake Lever	19	10	4
22–7810	Spacer	16	19	1
22–7820	Buzzer Assembly	3	36	1
22–8330	Plug	30	1	2
22–8340	Spring	30	3	2
22–8350	Ball	30	4	2
22–8360	Pin – Cam	30	6	2
22–8370	Seat – Check Valve	30	5	2
22–8380	Spring Retainer	30	10	1
22–8390	Spring Retainer	30	12	1
22–8400	Spacer Float	30	13	1
22–8410	Spring	30	11	1
22–8420	Spool	30	8	1
22–8480	Spring Ring Spool	30	14	1
22–8490	Snap Ring	30	15	1
22–8500	O–Ring	30	9	2
23–1950	Support Reinforcement	48	18	1
23–2240	Rod – Pump Control	11	17	1
23–2270	Bushing – Rubber	11	16	1
23–5180	Dipstick	16	41	1
23–7270	Nut – Wheel	16	32	10
23–9740	Oil Filter	23	34	1
24–6390	Stud – Battery Hold Down	1	10	2
24–6420	Hold Down – Battery	1	24	1
24–8790	Differential Bevel Gear Side	17	5	2
24–8840	Ring – Wheel Bearing	19	22	2
24–9180	Strut & Lever Parking Brake	19	4	2
24–9510	Pin	48	11	1
24–9830	Support Axle	20	48	1
25–2380	Thrust Plate	26	50	2
25–2390	Motor Valve Plate	26	57	1
25–2400	Gasket	26	59	1
25–2410	Accel. Valve Assembly	25	17	2
25–2430	Dowel Pin	26	52	2
25–2440	Pump Valve Plate	26	51	1
25–2450	Variable Swashplate	25	48	1
25–2460	Plug – Hex. Hd.	25	28	2
25–2470	Shim Pack	25	29	2
25–2480	Valve Spring	25	44	1
25–2490	Ball	25	9	2
25–2500	Trunnion Shaft	25	43	1
25–2510	Washer – Flat	25	25	2
25–2530	Headless Straight Pin	25	39	1
25–2550	Charge Pump Housing	25	34	1
25–2560	Relief Valve Cone	25	31	2
25–2570	Valve Spring	25	30	1
25–2580	Trunnion Shaft	25	26	1
25–2610	Accel. Valve Spring	25	16	1
25–2620	By–Pass Valve	25	15	1
25–2630	Back–Up Ring	25	14	1
25–2640	Valve Spring	25	8	2
25–2650	Check Valve Plug	25	6	2
25–2680	Gerotor Assembly	25	38	1
25–3180	Check Valve Kit	25	11	2
25–3190	Charge Pump	25	40	1
25–3210	Lip Seal	25	24	2
25–8640	Screw – Machine	31	10	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
26-6740	Temperature Reset Relay	3	18	1
26-6750	Engine Temperature Gauge	3	15	1
27-1960	Hub - Engine	31	37	1
27-2360	Key Switch	3	10	1
27-6590	Spacer - Rubber Coupling	23	22	2
27-6600	Spacer - Rubber Coupling	23	20	6
27-7100	Air Cleaner Assembly	47	17	1
27-7110	Element Assembly	47	4	1
27-7120	Nut & Gasket Assembly	47	5	1
27-7130	Clamp Assembly	47	7	1
27-7140	Skirt - Baffle	47	6	1
27-7150	Cup Assembly	47	8	1
27-7160	Decal - Instructions	47	3	1
27-7170	Band Assy.	47	15	2
27-7180	Cap Assembly - Air Inlet	47	20	1
27-7290	Decal - Power Take off	1	18	1
27-7310	Decal - Refueling	1	33	1
27-7320	Decal - Traction Pedal	1	1	1
27-7370	Brake Assembly P.T.O.	9	25	1
27-7490	Pedal - L.H. Brake	11	41	1
27-7510	Pedal - R.H. Brake	11	42	1
27-7570	Pad - Left Turn	11	38	1
27-7580	Pad - Right Turn	11	2	1
27-7590	Mount - Brake	11	34	1
27-7640	Shaft - Brake Latch	11	36	1
27-7900	Screw - Adjusting	9	35	1
27-8550	Pedal - Parking Bake	11	45	1
27-9270	Mount - Brake Pivot Shaft	11	35	1
28-0650	Flanged Axle Shaft	19	1	2
28-0660	Screw - Cap Hex. Hd.	19	21	8
28-0670	Oil Seal	19	8	2
28-0680	Brake Drum	19	13	2
28-1280	Boot - Cable	1	12	1
28-5220	Wheel - Friction	11	25	1
28-9570	Pump Lever	23	51	1
29-6120	Pump Plate	23	3	1
29-6150	Leaf Spring	23	46	1
29-6163	Micro Switch	23	2	1
29-6170	Extended Leaf Spring	23	7	1
29-8910	Washer	33	12	2
31-0390	Disc - Friction	13	31	1
33-2570	Radiator Assembly	5	19	1
33-4380	Pump Hub	23	14	1
37-8770	Bolt - Shoulder	31	4	1
37-9550	Strap - Fuel Tank	16	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
38-3400	Guard - Rubber	6	64	1
38-3400	Guard - Rubber	24	60	1
38-3400	Guard - Rubber	27	5	1
38-4530	Tool Box	2	36	1
38-4550	Instrument Cover	1	19	1
38-4600	Bar - Frame LH	5	26	1
38-7820	Bearing	33	5	2
39-8020	Trim - Instrument Cover	1	22	1
41-8760	Gasket Transmission	23	45	1
42-7160	Pin - Dowel	39	21	1
42-6080	Shim	33	30	A/R
42-6080	Shim - Axle	16	30	A/R
42-7030	Pin - Dowel	36	13	2
42-7030	Pin - Dowel	39	47	2
42-7040	Seal - Side	37	65	4
42-7050	Guide - Oil Level Gauge	39	18	1
42-7060	Seal - Oil	37	55	1
42-7080	Cap - Sealing	36	15	2
42-7080	Cap - Sealing (25)	34	30	3
42-7090	Cap - Sealing	39	17	2
42-7090	Cap - Sealing (45)	34	36	1
42-7100	Bushing - Camshaft	37	79	1
42-7110	Shaft - Idler	36	11	1
42-7120	Case - Oil Seal	37	57	1
42-7130	Gasket - Oil Seal	37	58	1
42-7150	Gasket - Front Plate	36	9	1
42-7170	Plug - Expansion	39	51	1
42-7180	Bushing - Knock	39	50	2
42-7190	Bushing - Knock	40	72	2
42-7200	Bushing - Knock	40	52	1
42-7210	Plug - Taper	36	12	3
42-7210	Plug - Taper	39	36	1
42-7230	Bearing Set	37	64	1
42-7240	Bearing Set - Crankshaft	37	*	1
42-7250	Bearing Set - Crankshaft	37	*	1
42-7260	Bearing Set - Crankshaft	37	*	1
42-7270	Gauge Assy. - Oil Level	39	22	1
42-7280	Oil Pan Assembly	35	52	1
42-7290	Gasket - Oil Drain Plug (18)	34	50	1
42-7300	Gasket - Oil Pan	35	53	1
42-7310	Bearing - Needle	36	3	1
42-7320	Bearing - Needle	36	2	1
42-7330	Case - Gear	36	4	1
42-7340	Gasket - Gear Case	36	5	1
42-7390	Seal - Oil	37	82	1
42-7400	Plug - Taper	36	1	1
42-7410	Plug - Taper	39	25	1
42-7410	Plug - Taper 1/8	34	37	1
42-7420	Cap - Oil Filter	34	18	1
42-7430	Pipe - Air Breather	34	16	1
42-7440	Hanger - Engine	34	29	2
42-7460	Guide - Valve	34	27	6
42-7470	Gasket - Cylinder Head	35	63	1
42-7480	Glow Plug	34	28	3
42-7490	Seal - Oil	34	21	2
42-7500	Cover Assembly - Rocker	34	23	1
42-7510	Pipe	34	4	2
42-7520	Gasket - Rocker Cover	34	24	1
42-7530	Label - Engine No.	34	22	1
42-7540	Fitting - Water Outlet	34	15	1
42-7550	Gasket	34	9	2
42-7650	Connecting Rod Assembly	37	49	3
42-7660	Bearing Set	37	60	3
42-7670	Bearing Set	37	*	3
42-7680	Bearing Set	37	*	3
42-7690	Bearing Set	37	*60	3
42-7700	Gear - Crankshaft	36	10	1
42-7710	Crankshaft	37	59	1
42-7720	Pulley - Crankshaft	37	83	1
42-7730	Key - Woodruff	40	58	1
42-7730	Key - Woodruff	37	62	2
42-7740	Nipple - Hose	34	11	1
42-7780	Gear - Camshaft	40	57	1
42-7790	Idler Gear Assembly	40	56	1
42-7810	Shaft - Injection Pump Cam	40	55	1
42-7820	Bearing - Ball	40	53	1
42-7830	Gear - Injection Pump Cam	40	61	1
42-7840	Key - Sunk	40	54	1
42-7850	Retainer - Valve Spring	36	20	6
42-7860	Lock - Spring Retainer	36	21	12
42-7870	Seal - Valve Stem	36	18	6
42-7880	Spring - Valve	36	19	6
42-7890	Tappet	36	33	6
42-7900	Valve - Intake	36	16	3
42-7910	Valve - Exhaust	36	17	3
42-7920	Rod - Push	36	32	6
42-7930	Spring - Rocker Shaft L.H.	36	41	1
42-7940	Arm - Rocker	36	22	6
42-7950	Washer - Seat	36	24	2
42-7960	Shaft Assembly - Rocker	36	40	1
42-7970	Stay - Rocker	36	23	3
42-7980	Screw - Adjusting	36	30	6
42-7990	Ring - Snap	36	43	2
42-8000	Pump Assy. - Fuel Injection	39	2	1
42-8010	Shim - 0.2 (.008 in.)	39	15	A/R
42-8020	Shim - 0.3 (.012 in.)	39	*	A/R
42-8030	Shim - 0.4 (.016 in.)	39	*	A/R

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
42–8040	Shim – 0.5 (.020 in.)	39	*	A/R
42–8050	Shim – 0.6 (.024 in.)	39	*	A/R
42–8060	Shim – 0.7 (.028 in.)	39	*	A/R
42–8070	Shim – 0.8 (.032 in.)	39	*	A/R
42–8080	Shim – 0.9 (.036 in.)	39	*	A/R
42–8090	Shim – 1.0 (.039 in.)	39	*	A/R
42–8100	Collar – Union	39	4	1
42–8120	Gasket – Nozzle Holder	34	35	3
42–8130	Pipe Assy. – Fuel Injection	39	7	1
42–8140	Pipe Assy. – Fuel Injection	39	11	1
42–8150	Pipe Assy. – Fuel Injection	39	12	1
42–8160	Clamp	39	8	2
42–8170	Clamp	39	13	2
42–8180	Fuel Return Pipe Assembly	39	33	1
42–8190	Joint	39	35	2
42–8220	Holder – Delivery Valve	43	16	3
42–8230	Spring – Delivery Valve	43	14	3
42–8240	Gasket – Delivery Valve	43	13	3
42–8250	Delivery Valve Sub Assy.	43	12	3
42–8260	Element Sub Assembly	43	11	3
42–8270	Sleeve – Plunger Control	43	22	3
42–8280	Seat – Spring, Upper	43	23	3
42–8290	Spring – Pump Plunger	43	24	3
42–8300	Tappet Sub Assembly	43	27	3
42–8310	Rack Assembly – Control	43	21	1
42–8320	Seat – Spring, Lower	43	25	3
42–8330	O–Ring	43	15	3
42–8340	Pin – Tappet Guide	43	19	3
42–8350	Plate	43	20	1
42–8360	Plate Assembly – Adjusting	43	18	2
42–8370	Screw – Air Breather	43	8	1
42–8380	Screw – Hollow	43	10	1
42–8390	Shim – Plate	43	26	A/R
42–8400	Shim – Plate	43	*	A/R
42–8410	Shim – Plate	43	*	A/R
42–8420	Shim – Plate	43	*	A/R
42–8430	Shim – Plate	43	*	A/R
42–8440	Shim – Plate	43	*	A/R
42–8450	Shim – Plate	43	*	A/R
42–8460	Spring Return	42	6	1
42–8620	Pin – Pressure	44	5	3
42–8630	Spring – Pressure	44	4	3
42–8640	Nipple	44	10	3
42–8650	Nut – Retaining	44	8	3
42–8660	Piece – Distance	44	6	3
42–8670	Flange	44	2	3
42–8680	Nozzle Assembly	44	7	3
42–8690	Metal – Sealing	41	1	1
42–8700	Wire	41	2	1
42–8710	Weight Assembly – Governor	41	16	1
42–8720	Sliding Shaft Assembly	41	13	1
42–8730	Governor Lever Assembly	41	20	1
42–8740	Spring – Tie Rod	41	11	1
42–8750	Tie Rod	41	12	1
42–8760	Governor Shaft	41	22	1
42–8770	Lever – Governor Spring	41	8	2
42–8780	Speed Control Lever Assy.	41	6	1
42–8790	Cover Assembly	41	29	1
42–8800	Gasket Cover	41	30	1
42–8810	Pin – Grooved	41	5	2
42–8810	Pin – Grooved	41	32	1
42–8820	Governor Spring	41	23	1
42–8830	O–Ring	41	7	2
42–8850	Oil Pump Assembly	40	*	1
42–8860	Plunger – Relief	39	40	1
42–8870	Plug	39	38	1
42–8880	Gasket	39	37	1
42–8900	Body – Oil Pump	39	48	1
42–8910	Rotor Assembly – Oil Pump	39	45	1
42–8920	Cover – Oil Pump	39	44	1
42–8930	Spring – Relief	39	39	1
42–8940	O–Ring	39	46	1
42–8950	Gasket – Oil Pump Body	39	49	1
42–8960	Driven Unit – Speedometer	38	*	1
42–8970	Pin – Spring	36	35	1
42–8980	Sleeve – Gear	36	36	1
42–8990	O–Ring	36	37	1
42–9010	O–Ring	36	34	1
42–9020	Plate – Locking	37	63	1
42–9030	Filter Assembly – Oil	39	42	1
42–9060	Oil Pressure Switch Assy.	39	41	1
42–9070	Pulley – Water Pump	35	56	1
42–9080	Water Pump Assembly	35	60	1
42–9090	Gasket – Water Pump	35	61	1
42–9100	Belt Fan	31	21	1
42–9110	Gasket	34	41	1
42–9120	Intake Manifold Assembly	34	6	1
42–9140	Gasket – Intake Manifold	34	7	1
42–9150	Pipe Inlet	34	3	1
42–9160	Gasket – Inlet Pipe	34	5	1
42–9170	Gasket – Exhaust Manifold	34	39	1
42–9180	Wire – Glow Plug Lead	34	26	2
42–9190	Glow Lamp	3	14	1
42–9200	Complete Gasket Set	35	*	1
42–9210	Bolt – Bearing Cap	37	67	8
42–9220	Screw – Cap Hex. Hd.	37	56	6
42–9230	Screw – Cap (8 x 16)	34	51	15
42–9230	Screw – Cap Hex. Hd.	39	32	2
42–9230	Screw – Cap Hex. Hd.	33	34	1
42–9230	Screw – Cap Hex. Hd.	37	81	3
42–9240	Screw – Cap (12 x 28)	34	44	3
42–9250	Screw – Cap Hex. Hd.	36	14	4
42–9260	Plug – Oil Drain	34	49	1
42–9300	Screw –Cap (10 x 20)	35	64	2
42–9310	Screw – Cp, Hex. Hd.	34	1	4
42–9320	Bolt – Cylinder Head	34	31	8
42–9330	Bolt – Cylinder Head	34	25	3
42–9350	Screw – Cap Hex. Hd.	36	27	2
42–9360	Bolt	36	26	2
42–9370	Screw – Cap Hex. Hd.	36	42	1
42–9390	Bolt (8 x 32)	34	33	6
42–9400	Screw – Cap Hex. Hd.	41	28	3
42–9420	Bolt – High Speed Set	41	3	1
42–9430	Screw – Cap Hex. Hd.	41	14	3
42–9440	Screw – Cap Hex. Hd.	36	39	1
42–9450	Bolt/Washer – Assembled	41	21	1
42–9470	Bolt – Connecting Rod	37	50	6
42–9480	Screw – Cap Hex. Hd.	39	43	4
42–9490	Screw – Cap (6 x 12)	35	58	4
42–9500	Screw – Cap (8 x 45)	35	55	3
42–9500	Screw – Cap Hex. Hd.	38	87	8
42–9510	Screw – Cap (8 x 60)	35	59	1
42–9510	Screw – Cap Hex. Hd.	31	46	2
42–9520	Screw – Cap (8 x 30)	34	43	5
42–9530	Screw – Cap (8 x 40)	35	66	1
42–9570	Stud (8 x 25)	34	38	5
42–9580	Nut	31	19	2
42–9580	Nut	33	20	4
42–9580	Nut	40	64	1
42–9580	Nut (8)	34	19	3
42–9580	Nut – Jam	41	10	2
42–9590	Nut – Connecting Rod	37	61	6
42–9600	Washer – Lock	33	25	4
42–9600	Washer – Lock	31	40	3
42–9600	Washer – Lock	35	65	2
42–9600	Washer – Lock	35	67	2
42–9600	Washer – Spring	36	25	3
42–9620	Nut – Jam	36	29	6
42–9640	Nut – Jam	41	36	1
42–9660	Washer – Flat	39	23	6
42–9660	Washer – Plain (8)	35	54	4
42–9670	Washer	44	9	3
42–9680	Washer	44	3	A/R
42–9690	Washer	44	*	A/R
42–9700	Washer	44	*	A/R
42–9710	Washer	44	*	A/R

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
42-9720	Washer	44	*	A/R
42-9730	Washer	44	*3	A/R
42-9740	Washer	44	*	A/R
42-9750	Washer	44	*	A/R
42-9770	Washer	43	9	1
42-9790	Washer - Head Bolt	34	32	8
42-9800	Washer	34	20	2
42-9810	Washer - Flat	38	86	1
42-9820	Washer	40	73	1
42-9830	Washer - Seal	39	3	2
42-9850	Washer - Lock	34	2	24
42-9850	Washer - Lock	36	7	11
42-9850	Washer - Lock	41	9	2
42-9850	Washer - Lock	39	31	7
42-9860	Washer -Spring	37	85	1
43-0080	Nut - Set	45	10	1
43-0090	Screw - Cap (10 x 25)	34	48	2
43-0110	Screw - Cap Hex. Hd.	39	14	4
43-0120	Screw - Set	45	3	1
43-0130	Screw - Set	45	19	1
43-0190	Spring Set	46	4	1
43-0370	Shim	40	65	AIR
43-0380	Spacer	40	66	1
43-0390	Alternator	40	67	1
43-0400	Brace - Alternator	40	71	1
43-0410	Regulator Assembly	3	25	1
43-0420	Pulley Assembly	45	2	1
43-0430	Bracket Assembly Front	45	4	1
43-0440	Bearing - Front	45	5	1
43-0450	Rotor Assembly	45	7	1
43-0460	Bearing - Rear	45	8	1
43-0470	Stator	45	9	1
43-0480	Rear Bracket Assembly	45	14	1
43-0490	Holder Assembly Brush	45	11	1
43-0500	Brush	45	12	2
43-0510	Spring - Brush	45	15	1
43-0520	Rectifier Assembly	45	13	1
43-1440	Engine	31	13	1
43-1710	Valve Assembly	27	13	1
43-1730	Body	30	7	1
43-1770	Plate - Rear	34	46	1
43-1780	Thermostat	34	14	1
43-1790	Fitting - Thermostat	34	10	1
43-1800	Flywheel	37	53	1
43-1810	Gear - Ring	37	54	1
43-1870	Manifold - Exhaust	34	42	1
43-1880	Control Unit Assembly	3	27	1
43-1890	Screw	45	18	1
43-1900	Screw - Cap Hex. Hd.	40	68	1
43-1910	Fan - Cooling	33	1	1
43-1920	Nut Set	45	1	1
43-1940	Adapter - Temp. Gauge	31	11	1
43-2550	Filter	7	15	1
43-2560	Gasket	7	16	1
43-2570	Gasket	7	14	1
43-2580	Magnet	7	17	1
43-2600	Capscrew	39	10	2
43-2710	O-Ring	39	19	1
43-2720	Mold	45	16	1
43-2730	Solenoid - Tubular	41	17	1
43-2740	Gasket	41	19	1
43-2750	Nut	41	18	1
43-2770	Lever - Stop	41	35	1
43-2800	Screw - Cap Hex. Hd.	41	24	1
43-2820	Sealing Cap	41	25	1
43-2830	Nut	41	4	1
43-2900	Retainer - Oil Level Guide	39	20	1
43-2910	Plate - Ungleich Set	42	3	A/R
43-2920	Plate - Ungleich Set	42	*	A/R
43-2930	Plate - Ungleich Set	42	*	A/R
43-2940	Plate - Ungleich Set	42	*	A/R
43-2950	Plate - Ungleich Set	42	*	A/R
43-3000	Plate - Smoke Set	42	7	A/R
43-3010	Plate - Smoke Set	42	*	A/R
43-3020	Plate - Smoke Set	42	*	A/R
43-3030	Plate - Smoke Set	42	*	A/R
43-3040	Plate - Smoke Set	42	*	A/R
43-3050	Plate - Smoke Set	42	*	A/R
43-3060	Plate - Smoke Set	42	*	A/R
43-3070	Plate - Smoke Set	42	*	A/R
43-3080	Plate - Smoke Set	42	*	A/R
43-3090	Plate - Smoke Set	42	*	A/R
43-3100	E-Ring	42	1	1
43-3110	Spring - Ungleich Set	42	2	1
43-3120	Washer - Seal	41	27	1
43-3130	Hose - Water	34	13	1
43-3140	Clamp - Hose	34	12	2
43-3150	Bolt/Washer Assembled	43	17	2
43-3160	Screw - Adjusting	41	33	1
43-3190	Screw - Cap Hex. Hd.	31	41	3
43-3200	Screw - Cap Hex. Hd.	33	24	4
43-3210	Screw - Cap Hex. Hd.	31	28	4
43-3320	Foam - Radiator	5	28	2
43-3330	Shroud - Radiator	5	17	1
43-3340	Plate - Sealing, Grille	5	42	1
43-3350	Hose - Upper Radiator	5	13	1
43-3510	Pulley - Engine	31	27	1
43-3530	Pulley Flywheel	33	26	1
43-3690	Fan - Shaft	33	2	1
43-3700	Hub-Fan	33	4	1
43-3720	Collar - Bearing	31	32	1
43-3730	Bracket Throttle Control	31	52	1
43-3760	Lever Throttle	32	54	1
43-3770	Link - Throttle	31	1	1
43-3780	Swivel - Throttle Control	31	9	1
43-3790	Bracket Belt Guide	31	48	1
43-3820	Spacer	3	34	1
43-3850	Muffler	33	17	1
43-3860	Shaft - Pivot P.T.O.	9	9	1
43-3870	Support - Muffler	33	8	1
43-3880	Pulley	33	10	1
43-3900	Guard - Fan Belt	8	5	1
43-3970	Panel - Instrument	3	16	1
43-3980	Decal - Instrument Panel	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	16	4	1
43-4160	Fitting - Return & Vent	16	13	1
43-4190	Fitting Assembly	16	28	1
43-4230	Hose	32	56	1
43-4230	Hose Return	16	15	1
43-4300	Trim - Rear Frame	1	32	2
43-5500	Pivot P.T.O.	9	31	1
43-5540	Shaft P.T.O.	9	43	1
43-5550	Shaft - Actuator P.T.O.	9	32	1
43-5570	Arm, Actuator - P.T.O.	9	38	1
43-5630	Yoke - P.T.O.	9	51	1
43-5690	Hose - Vent, Fuel Tank	16	16	1
43-5910	V-Belt	33	11	1
43-5920	Washer - Lock	45	17	1
43-5920	Washer - Lock	40	63	1
43-5930	Washer - Lock	41	15	7
43-5930	Washer - Lock	36	28	2
43-5930	Washer - Lock	35	57	4
43-5950	Washer - Lock	31	26	4
43-5960	Nut - Special	41	26	1
43-5970	Nut	40	62	1
43-6240	Shim - Plate	43	*	A/R
43-6470	Nut	37	84	1
43-6550	Snap Ring	17	21	1
43-6710	Adjustment Shim .003	17	15	A/R
43-6711	Adjustment Shim .005	17	16	A/R
43-6712	Adjustment Shim .010	17	17	A/R
43-6713	Adjustment Shim .030	17	18	A/R

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
43–6750	Roller Bearing Cup	17	10	1
43–6760	Roller Bearing Cone	17	9	1
43–6800	Nut – Lock	19	18	8
43–6810	Torque – Spider	19	6	2
43–6840	Lower Housing	18	34	1
43–7020	Hose – Lower Radiator	5	21	1
43–8600	Spring – Compression	8	25	1
43–8600	Spring – Compression	10	66	1
43–8610	Guide – Spring & Ball Seat	9	5	1
43–8610	Guide – Spring & Ball Seat	8	24	1
43–8620	Guide – Switch Pin	8	27	1
43–8620	Guide – Switch Pin	10	68	1
43–8860	Plunger – Switch	8	26	1
43–8860	Plunger – Switch	10	67	1
43–8870	Boot – Switch	8	30	1
43–8870	Boot – Switch	10	71	1
43–9071	Assembly – Switch	10	*	1
43–9701	Assembly – Switch	8	*	1
44–2210	Warning Light	3	8	1
44–2220	Wire Lead	3	6	
44–2230	Rubber Coupling	23	17	
44–8070	Nozzle & Holder Assembly	34	34	3
44–8080	Body	44	1	3
44–8090	Lever Assembly Stop	41	31	1
44–8100	Spring Return	41	34	1
44–8950	Tube – Air Cleaner	47	18	1
46–2210	Shim – Front Pinion Bearing	17	22	A/R
46–2211	Shim – Front Pinion Bearing	17	*	A/R
46–2212	Shim – Front Pinion Bearing	17	*22	A/R
46–2213	Shim – Front Pinion Bearing	17	*	A/R
46–2214	Shim – Front Pinion Bearing	17	*	A/R
46–2215	Shim – Front Pinion Bearing	17	*	A/R
46–2216	Shim – Front Pinion Bearing	17	*	A/R
46–2220	Shim – Front Pinion Bearing	17	*	A/R
46–2221	Shim – Front Pinion Bearing	17	*	A/R
46–2222	Shim – Front Pinion Bearing	17	*	A/R
46–2223	Shim – Front Pinion Bearing	17	*	A/R
46–2224	Shim – Front Pinion Bearing	17	*	A/R
46–2225	Shim – Front Pinion Bearing	17	*	A/R
46–2226	Shim – Front Pinion Bearing	17	*	A/R
46–2410	Shim – Front Pinion Bearing	17	*	A/R
46–2411	Shim – Front Pinion Bearing	18	*22	A/R
46–2412	Shim – Front Pinion Bearing	18	*	A/R
46–2413	Shim – Front Pinion Bearing	18	*	A/R
46–2414	Shim – Front Pinion Bearing	18	*	A/R
46–2415	Shim – Front Pinion Bearing	18	*	A/R
46–2416	Shim – Front Pinion Bearing	18	*	A/R
46–2420	Shim – Front Pinion Bearing	18	*	A/R
46–2421	Shim – Front Pinion Bearing	18	*	A/R
46–2422	Shim – Front Pinion Bearing	18	*	A/R
46–2423	Shim – Front Pinion Bearing	18	*	A/R
46–2424	Shim – Front Pinion Bearing	18	*	A/R
46–2425	Shim – Front Pinion Bearing	18	*22	A/R
46–2426	Shim – Front PInion Bearing	18	*	A/R
46–6390	Drive Coupling	23	18	1
46–7540	Lever Assembly	46	3	1
46–7610	Starter Assembly	34	47	1
46–7620	Screw – Set	46	1	1
46–7630	Bracket Assembly – Front	46	2	1
46–7650	Bracket Assembly – Center	46	5	1
46–7660	Switch Assembly	46	6	1
46–7670	Armature Set	46	8	1
46–7680	Bearing – Front	46	7	1
46–7690	Bearing – Rear	46	9	1
46–7700	Bolt Set	46	15	1
46–7710	Shaft Assembly – Clutch	46	*	1
46–7720	Pinion Set	46	19	1
46–7730	Snap Ring	46	20	1
46–7740	Gear Set	46	*	1
46–7750	Shaft Assembly Pinion	46	18	1
46–7760	Gear	46	17	1
46–7770	Cover Set	46	16	1
46–7780	Yoke Assembly	46	11	1
46–7790	Brush Holder Assembly	46	13	1
46–8030	Spring – Brush	46	12	4
46–8040	Bracket – Rear	46	14	1
46–8050	Packing	46	10	1
46–8091	Screw – Flange	5	49	2
46–8400	Needle Bearing	26	53	2
46–8410	Motor Shaft	26	58	1
46–8810	Stop – Leaf Spring	24	56	1
46–8840	Spring – Lift Arm	48	14	1
47–7420	Hose	32	55	1
48–1800	Cylinder Block Kit	25	5	2
48–1980	Gasket	37	78	1
48–1990	Nut – Jam	37	77	1
48–2010	Screen – Assembly Oil	37	76	1
48–2020	Cylinder Block Sub Assy.	35	62	1
49–2280	Decal – Diesel Fuel	1	31	1
49–7990	Cap – Shipping	36	31	1
53–4430	Decal – Oil	16	42	1
53–8150	Pump Assy. Fuel, Electric	7	13	1
53–9480	Washer	33	28	2
53–9480	Washer	31	39	2
53–9660	V–Belt Torque Team	9	12	1
53–9680	Engine Mount – Rubber	31	23	2
53–9680	Engine Mount – Rubber	33	29	2
53–9710	Engine Mount	31	22	2
53–9750	Fan Mount	33	6	1
54–7890	Pump Housing	25	22	1
54–8650	Screw – Cap Flange Hd.	40	70	1
54–8660	Washer	40	69	1
54–8670	Bolt – Flywheel	37	52	5
54–8680	Shim – Plate	43	*	A/R
54–8690	Shim – Plate	43	*	A/R
54–8700	Plate – Smoke Set	42	*	A/R
54–8710	Plate – Smoke Set	42	*	A/R
54–8730	Plate – Smoke Set	42	*	A/R
54–8740	Plate – Smoke Set	42	*	A/R
54–8750	Plate – Smoke Set	42	*	A/R
54–8760	Plate – Smoke Set	42	*	A/R
54–8770	Plate – Smoke Set	42	*	A/R
54–8780	E–Ring	42	5	1
54–9040	Yoke – End (Split)	10	63	1
54–9180	Kit – U–Joint	10	58	2
54–9290	Bracket	23	29	2
54–9300	Cover	23	28	1
55–3572	Fuel Cap	16	18	1
55–4300	Warning Decal	48	12	3
56–0960	Plate – Smoke Set	42	*7	A/R
56–2460	Washer	20	45	A/R
56–7980	Sleeve – Protective	16	24	1
60–9760	Nut	28	12	1
60–9760	Nut – Hex	29	7	1
60–9770	Piston	28	11	1
60–9780	Head	28	5	1
61–4960	Seal Repair Kit	28	*	1
61–4980	Shaft – w/Clevis	28	1	1
61–4990	Ring – Retaining	28	4	1
62–3290	Shaft – Slip Yoke	10	60	1
62–3730	Screw – Cap w/Washer	36	8	2
62–3740	Plate – Front	36	6	1
62–3790	Tube – Slip Yoke	10	62	1
62–3800	Yoke – End	10	57	1
62–3820	Fitting – Grease	10	59	2
62–4250	Cylinder – Hydraulic	27	21	1
62–4290	O–Ring	26	54	2
62–6840	Sender – Fuel Level	16	12	1
62–6940	Cap	41	37	1
62–7650	Gasket	16	8	1
63–1400	Belt Guide	32	58	1
63–7590	Relay	3	42	1
63–8280	Head Assembly	7	5	1
63–8290	Vent	7	3	1
63–8300	Element – Fuel Filter	7	10	1
63–8310	Drain Valve	7	11	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
63-8360	Key	3	11	1
63-8960	Hose Assy. – Valve/Cooler	5	38	1
63-8970	Hose – Trans. to Steering	13	14	1
63-8980	Hose – Aux. to Valve	13	22	1
63-8990	Hose	27	15	1
63-8990	Hose	13	23	1
63-9010	Hose Assy. – Cooler/Pump	5	27	1
63-9260	Manifold – Valve	27	17	1
63-9640	Hose Fuel	16	27	1
63-9650	Hose	7	20	1
63-9720	Hose	7	7	1
65-5100	Handle – Hood	5	12	1
66-1250	Cylinder – Hydraulic	27	*	1
66-1930	Nut – Lock	22	6	1
66-1940	Piston	22	5	1
66-2990	Cap – Spindle	21	54	2
66-3240	Cap – Radiator	6	53	1
66-5310	Idler Pulley	33	18	1
66-5320	Spacer	33	19	1
66-6370	Lift Arm	48	1	1
66-6390	Decal – Caution	1	3	1
66-7030	Screw – Cap w/Washer	33	32	2
66-7150	Push Arm R.H.	48	9	1
66-8111	Trim – Hood Cutout	6	54	1
66-9760	Nut – Hex.	13	2	1
66-9780	Bushing	14	29	1
66-9970	Spring Kit	14	*G	1
66-9980	Seal Kit	14	*G	1
66-9990	Needle Roller Kit	14	*G	1
67-1710	Decal – Caution	1	30	1
67-1720	Decal – Torque	2	42	2
67-1750	Bushing	20	4	6
67-5450	Piston	29	6	I
67-5460	Head	29	5	1
67-5470	Ring – Retaining	29	4	1
67-5480	Shaft	29	2	1
67-5500	Repair Kit	29	3	1
67-8020	Pump Shaft	25	20	1
67-8050	Needle Bearing	25	35	1
67-8060	Lip Seal	25	36	1
67-8190	Bracket – Engine Support	8	12	2
67-8470	Strip – Retainer	5	30	1
67-8570	Strip – Sealing	5	41	1
67-8690	Support – Column	13	7	1
67-8810	Hinge L.H.	8	10	1
67-8820	Hinge, R.H.	8	4	1
67-8840	Pin – Hinge	5	7	1
67-8870	Support – Radiator	5	46	1
67-9000	Screen – Rear	5	3	1
67-9030	Grille	5	47	1
67-9080	Motor Housing	25	4	1
67-9090	Plug	25	42	1
67-9100	Gasket	25	10	1
67-9800	Bumper	48	37	1
68-5140	Cap – Steering Wheel	13	46	1
68-5370	Decal – Toro	13	1	1
68-8610	Fender – Extension	2	43	1
68-8660	Elbow	23	31	1
68-8990	Head – Filter	23	33	1
68-9110	Shim	33	37	A/R
68-9111	Shim	33	*	A/R
68-9112	Shim	33	*	A/R
68-9160	Bracket	5	35	1
68-9650	Hose – Axle	23	37	1
68-9710	Hose – Steering Cylinder	16	43	2
68-9720	Hose – Cylinder to Steering	13	19	1
68-9730	Hose – Steering to Cylinder	13	18	1
68-9760	Fuel Tank Base	16	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	13	17	1
70-1390	Sleeve – Protective	13	15	1
70-2200	Decal – Toro	1	2	1
70-2620	Elbow – 90°	23	38	1
71-4540	Washer – Thrust	20	8	A/R
71-4850	Cover Flywheel Guard	21	51	1
72-3690	Fender	2	41	2
72-3750	Ball Bearing	25	2	1
72-4200	Ring – Set – Piston Std.	36	44	3
72-4210	Ring Set – Piston	36	45	3
72-4220	Ring Set – Piston	36	46	3
72-4230	Ring Set – Piston	36	47	3
72-4240	Piston & Piston Pin Std.	37	48	3
72-4250	Piston & Piston Pin	37	*	3
72-4260	Piston & Piston Pin	37	*	3
72-4270	Piston & Piston Pin	37	*	3
72-4280	Camshaft	40	59	1
72-4290	Head Assembly – Cylinder	34	8	1
72-4320	Switch – Ball	9	3	1
72-4320	Switch – Ball	8	20	1
72-9420	Vent Tube Assembly	18	39	1
74-0720	Tube – Manual	8	2	1
74-9510	Washer	26	60	4
75-0560	Steering Wheel Assembly	13	3	1
75-9900	Engine Support – Front	31	29	1
76-1900	O-Ring	25	18	2
77-3100	Decal – Warning	5	15	3
77-3120	Bracket – Mount, Column	13	9	1
77-3140	Engine Mount	33	22	1
77-3170	Stop – Hood Cable	5	22	2
77-3180	Spacer	47	22	4
77-5141	Decal – Hood LH	5	50	1
77-5151	Decal – Hood RH	5	*	1
77-5160	Foam – Side	5	2	1
77-5170	Foam – Top	5	1	1
77-5250	Spacer – Hood Cable	5	23	4
80-0060	Hose – Air Cleaner	47	10	1
80-2880	Bracket – Steering, Tilt	13	40	1
80-2890	Handle – Steering Tilt	13	34	1
80-2930	Washer	13	39	1
80-2940	Plate – Pivot	13	29	1
80-2960	Spacer – Tower	13	10	2
80-2970	Pin – Steering Tilt	13	33	1
80-2980	Boss – Pin	13	32	1
80-3330	Gasket	47	12	1
82-2590	Plug – Thrust	38	88	1
82-8650	Clamp – Half	13	37	1
82-8660	Cover – Tower	13	5	1
82-8670	Rod – Brake Latch	11	10	1
82-8760	Elbow	13	12	1
82-8770	Elbow	13	21	1
82-8930	Decal – Parking Brake	11	12	1
82-8940	Decal – Steering, Tilt	13	44	1
82-8950	Foam – Flange Hood	5	45	2
82-8970	Decal – Radiator Coolant	5	48	1
82-8980	Frame	2	40	1
82-9010	Disc – Friction	13	38	1
83-9150	Decal – Starting Fluid	47	19	1
84-4890	Drive Shaft Assembly	10	*	1
84-8500	Lever – P.T.O.	9	2	1
84-8520	Bracket – P.T.O. Switch	9	6	1
84-8600	Shoe & Lining Assembly	19	9	1
84-8610	Decal – Groundsmaster	5	4	2
86-7040	Rod – Seat Prop	8	32	1
86-7050	Bracket – Switch Actuator	10	73	1
86-7220	Gear Transmission Output	23	44	1
86-7230	Spur-Gear	17	14	1
86-8100	Ball Joint Assembly	48	33	2
86-9410	Bracket – Seat Support	6	59	1
86-9580	Upper Housing	18	26	1
86-9600	Differential Assembly	16	35	1
88-0070	Floor Plate	2	48	1
88-0470	Tube – Pedal Spacer	12	49	1
88-0530	Pedal Traction	11	18	1
88-1640	Pin – Traction Pedal	11	20	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
88–1650	Shaft – Traction Pedal	11	22	1
88–1670	Bracket – Pivot	11	23	1
88–1680	Bracket – Footrest	11	48	1
88–1710	Footrest	12	50	1
88–1720	Pad – Footrest	12	51	1
88–1730	Pad – Front Pedal	11	47	1
88–1740	Pad – Pedal Rear	11	19	1
88–1790	Wire Harness Assembly	4	2	1
88–3370	Spacer – Sealing Plate	6	62	1
88–3390	Plate – Sealing	5	37	1
92–1773	Screw – Cap Hex. Hd.	17	11	4
92–1774	Oil Seal	19	2	2
92–4058	Arm – P.T.O.	9	30	1
92–4060	Fork P.T.O.	9	24	1
92–4848	Gear & Pinion Assembly	18	*	1
92–4903	Assy. – Upper Hsg. 2WD	18	*	1
92–5723	Bushing – P.T.O. Fork	9	23	2
92–5727	Screw – Cap Hex. Hd.	9	22	2
92–5938	Ball Joint	20	14	2
92–6588	Gland	22	3	1
92–6593	Seal Kit	22	2	1
92–7308	Valve – Power Steering	13	25	1
92–7310	Bolt – Special	14	36	4
92–7314	Assembly – Column	14	*	1
92–7315	Seal	14	28	1
92–7316	Nut – Push On	14	38	4
92–7317	Foam	14	39	1
92–7800	Cover – Battery Access	1	21	1
92–7801	Shield – Battery Cover	2	53	1
92–7802	Decal – Starting Instructions	1	20	1
92–7803	Support – Axle	20	6	1
92–7807	Pin – Rear Axle	20	3	1
92–7816	Axle – Rear	20	35	1
92–7821	Steering Pivot	20	38	1
92–7823	Spindle Assembly L.H.	20	33	1
92–7825	Spindle Assembly R.H.	20	1	1
92–7827	Wire – Hour Meter Ground	4	1	1
92–7828	Cylinder – Hyd. Steering	22	*	1
92–7828	Cylinder – Hydraulic	20	16	1
92–7833	Hose – Hydraulic	27	19	1
92–7834	Hose	27	22	1
92–7845	Spacer – Hardened	21	55	1
92–8775	Kit – Gasket, Liquid	19	*	2
92–8776	Plug	26	61	2
92–8777	O–Ring	26	62	2
92–8918	Center Section	26	55	1
92–8947	Transmission – Inline	23	42	1
321 04–96	Screw – Cap Hex. Hd.	16	6	1
212–93	Wire Clip	8	18	2
212–93	Wire Clip	10	53	1
217–106	Wheel	20	22	2
217–116	Rim – 23x10.5x12	16	*	2
217–117	Rim	16	33	2
218–461	Nut – Jam	8	29	1
218–461	Nut – Jam	10	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	16	*	2
231–95	Tire – 23x10.5x12	16	*	2
231–105	Tire	20	24	2
231–138	Tire – 6 Ply	16	31	2
232–27	Valve Stem	16	*	1
232–31	Valve Stem w/Cap	20	23	2
232–31	Valve Stem w/Cap	16	34	2
233–17	Knob	11	11	1
233–21	Knob	27	3	1
233–21	Knob – Handle	13	35	1
233–35	Knob	3	7	2
237–7	Seal – O–Ring	8	28	1
237–7	Seal – O–Ring	10	69	1
237–22	O–Ring	20	13	1
237–22	O–Ring	25	13	1
237–22	O–Ring	13	20	3
237–22	O–Ring	27	29	2
237–22	O–Ring	24	58	1
237–30	O–Ring	13	13	3
237–30	O–Ring	27	30	2
237–30	O–Ring	24	59	1
237–30	Seal – O–Ring	9	4	1
237–30	Seal – O–Ring	8	23	1
237–42	O–Ring	30	2	2
237–42	O–Ring	27	31	2
237–42	O–Ring	24	57	2
237–78	O–Ring	27	32	2
237–80	O–Ring	23	30	1
237–80	O–Ring	25	33	1
237–81	O–Ring	23	32	3
237–86	O–Ring	25	7	4
237–95	O–Ring	25	41	1
237–141	Bumper – Radiator	6	52	2
241–119	Dust Cap	20	20	2
242–34	Axle Flange Stud	19	11	10
242–50	Nut – Wheel	20	21	10
249–21	Hook Clamp	1	16	3
249–39	Latch – Flexible Draw	5	24	1
249–40	Keeper	6	56	1
2412–3	Clamp – Hose	5	14	4
2412–3	Hose – Clamp	47	9	1
2412–4	Clamp	16	23	1
2412–4	Clamp	1	27	3
2412–6	Clamp	16	17	2
2412–31	Clamp – Bodine	31	6	1
2412–34	Clamp – Hose	23	36	2
2412–36	Clamp	13	24	2
2412–36	Clamp Hose	27	16	1
2412–39	Clamp	5	40	1
2412–39	R–Clamp	16	25	2
2412–42	Hose Clamp	47	11	1
2412–61	Clip – Tinnerman	1	25	2
2412–74	Clamp	2	35	1
2412–79	Clamp	16	14	1
2412–79	Clamp	31	15	1
2412–79	Clamp – Hose	39	34	8
2412–108	Clamp – Hose	27	28	2
2412–108	Clamp – Worm Drive	31	14	1
2412–108	Hose Clamp	7	1	5
2412–127	Clamp	5	6	4
2412–133	R–Clamp	8	3	2
251–8	Ball Bearing	25	46	1
251–234	Lock Collar	9	41	2
251–252	Ball Bearing	31	33	1
251–252	Ball Bearing	9	40	2
251–259	Ball Bearing	23	5	1
252–82	Needle Bearing	25	23	2
253–129	Closure	20	31	2
254–65	Cone – Tapered Bearing	18	28	2
254–66	Cup – Tapered Bearing	18	27	2
254–72	Cup – Bearing	20	29	4
254–90	Bearing Cup	18	24	1
254–91	Bearing Cone	18	23	1
254–94	Cone – Bearing	20	28	4
256–10	Bushing	11	43	4
256–113	Bushing – Flange	9	47	4
256–121	Bushing – Thrust	20	34	2
256–126	Bushing	48	16	6
256–156	Bushing	11	6	5
256–242	Bushing	20	41	2
281–1	Plug – Taper	39	16	1
283–10	Pin	48	40	3
283–17	Pin	27	26	1
283–42	Clevis Pin	9	7	1
283–58	Clevis Pin	11	14	2
283–74	Clevis Pin	9	26	1
283–76	Pin – Lynch	6	60	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
285-17	Pipe Plug	25	12	2
289-37	Pipe Nipple	16	40	1
2811-9	Street Elbow	16	39	1
302-2	Grease Fitting	9	39	1
302-5	Fitting - Grease	20	19	3
302-5	Fitting - Grease	11	44	2
302-5	Grease Fitting	48	13	1
302-5	Grease Fitting	48	34	2
302-10	Grease Fitting	9	10	1
302-10	Grease Fitting	31	31	1
302-11	Fitting - Grease	20	36	1
302-33	Grease Fitting	48	28	2
302-40	Fitting - Grease	20	11	2
302-55	Fitting - Grease	28	2	2
302-55	Grease Fitting	29	1	2
302-58	Fitting - Grease	10	61	1
304-46	Drain Cock	5	25	1
304-73	Fitting - Straight Barb	27	23	1
304-73	Hose Barb	7	19	1
304-75	Fitting - 90° Barb	27	20	1
304-96	90° Hose Barb	7	2	1
321-2	Screw - Cap Hex. Hd.	23	26	2
321-3	Screw - Cap Hex. Hd.	33	36	4
321-4	Screw - Cap Hex. Hd.	7	4	2
321-4	Screw - Cap Hex. Hd.	5	5	2
321-4	Screw - Cap Hex. Hd.	31	7	1
321-4	Screw - Cap Hex. Hd.	23	27	2
321-4	Screw - Cap Hex. Hd.	3	30	2
321-4	Screw - Cap Hex. Hd.	10	72	1
321-6	Screw - Cap Hex. Hd,	23	47	2
321-6	Screw - Cap Hex. Hd.	7	12	2
321-6	Screw - Cap Hex. Hd.	16	20	1
321-6	Screw - Cap Hex. Hd.	3	44	1
321-23	Screw - Cap Hex. Hd.	27	14	5
322-2	Screw - Cap Hex. Hd.	8	21	2
322-3	Screw - Cap Hex. Hd.	16	26	2
322-4	Screw - Cap Hex. Hd.	25	37	4
322-4	Screw - Cap Hex. Hd.	13	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.	23	21	6
322-6	Screw - Cap Hex. Hd.	5	43	1
322-8	Screw - Cap Hex. Hd.	23	25	2
322-9	Screw - Cap Hex. Hd.	10	65	2
322-10	Screw - Cap Hex. Hd.	47	13	4
322-17	Screw - Cap Hex. Hd.	23	8	1
323-6	Screw - Cap Hex Hd.	20	46	1
323-6	Screw - Cap Hex. Hd.	13	27	2
323-7	Capscrew	23	39	2
323-13	Screw - Cap Hex. Hd.	25	3	4
323-13	Screw - Cap Hex. Hd.	11	32	2
323-14	Screw - Cap Hex. Hd.	5	32	3
324-4	Screw - Cap Hex. Hd.	48	19	2
324-11	Screw - Cap Hex. Hd.	33	27	2
324-12	Screw - Cap Hex. Hd.	48	22	2
324-12	Screw - Cap Hex. Hd.	31	38	2
329-7	Screw - Cap Hex. Hd.	31	53	1
3210-7	Screw - Cap Hex. Hd.	23	6	1
3210-7	Screw - Cap Hex. Hd.	17	19	8
3217-5	Nut	31	50	1
3217-6	Nut	47	2	2
3217-6	Nut - Hex	3	32	2
3217-6	Nut - Hex.	1	7	2
3217-7	Nut - Hex	11	28	2
3217-8	Nut - Full	48	8	2
3217-9	Nut	21	50	2
3217-16	Nut - Hex.	23	48	2
3217-26	Nut	3	37	1
3218-5	Nut - Jam	11	3	2
3218-7	Nut - Jam	13	42	1
3219-1	Nut	31	2	5
3219-2	Nut	17	1	8
3219-2	Nut - Hex	23	9	1
3219-3	Nut	9	33	1
3219-7	Nut	9	16	1
3219-14	Nut	3	1	6
3219-14	Nut	16	10	1
3220-3	Nut - Jam	11	27	1
3220-3	Nut - Jam	20	43	8
3220-5	Nut - Jam	11	46	1
3220-5	Nut - Jam R.H. Thd.	20	40	2
3220-6	Nut	14	27	1
3220-6	Nut - Jam	20	37	4
3220-12	Nut - Jam L.H. Thd.	20	*	2
3229-1	Bolt - Carriage	2	38	5
3230-1	Bolt - Carriage	12	52	2
3230-2	Bolt - Carriage	16	29	3
3231-21	Bolt - Carriage	11	31	2
3233-14	Bolt - Carriage	33	9	1
3234-1	Screw - Flange Hex. Hd.	5	18	2
3234-11	Screw - Cap Hex. Hd .	11	39	3
3234-11	Screw - Cap Hex. Hd.	33	31	4
3234-11	Screw - Cap Hex. Hd.	31	45	4
3234-11	Screw - Flange	5	39	1
3234-11	Screw - Flange Lock	1	28	5
3234-11	Screw w/Locking Flange	8	13	6
3234-12	Screw - Hex. Hd. Flange	1	6	4
3234-12	Screw - Lock Flange	33	33	2
3234-13	Screw	21	53	2
3234-14	Screw - Hex. Washer Hd.	20	2	1
3234-14	Screw - Cap Hex. Hd.	8	6	5
3234-14	Screw - Cap Hex. Hd.	2	44	2
3234-14	Screw - Flange Hex. Hd.	5	16	11
3234-17	Screw - Cap Hex. Hd.	13	8	2
3234-17	Screw - Cap Hex. Hd.	8	16	4
3234-18	Screw - Cap Hex. Hd.	32	60	1
3234-25	Screw - Cap Flange Hd.	2	50	4
3234-32	Screw - Cap Hex Flange	20	7	4
3234-32	Screw - w/Locking Flange	8	11	2
3241-5	Screw - Set Sq. Hd.	23	16	2
3241-5	Screw - Set Socket Head	31	36	2
3245-1	Set Screw	9	46	2
3246-3	Set Screw	9	29	4
3249-11	Screw - Mach. Rd. Hd.	23	1	2
3250-17	Screw - Pan Hd.	3	22	2
3253-3	Washer - Lock	16	5	2
3253-3	Washer - Lock	33	35	4
3253-3	Washer - Lock	31	51	3
3253-4	Washer - Lock	1	8	2
3253-4	Washer - Lock	33	21	5
3253-4	Washer - Lock	23	24	2
3253-4	Washer - Lock	31	47	2
3253-6	Washer - Lock	48	7	2
3253-17	Washer - Lock	3	3	6
3253-17	Washer - Lock	16	9	1
3253-21	Washer - Lock	11	29	4
3253-21	Washer - Lock	16	38	2
3253-21	Washer - Lock	23	40	2
3253-21	Washer - Lock	20	47	1
3253-21	Washer - Lock	10	55	4
3254-2	Washer - Lock I.T.L.W.	2	51	1
3254-2	Washer - Lock Int. Tooth	31	18	2
3254-2	Washer - Lock I.T.L.W.	3	24	6
3254-7	Washer - Lock	9	15	1
3254-9	Washer - Lock	23	49	2
3255-5	Washer - Lock	3	38	1
3255-7	Washer - Lock E.T.L.W.	3	31	3
3255-7	Washer - Lock	23	50	3
3255-7	Washer - Lock Ext. Tooth	7	21	2
3255-8	Washer - Lock	17	2	8
3255-9	Washer - Lock E.T.L.W.	32	61	1
3256-1	Washer - Flat	3	45	1
3256-3	Washer - Flat	23	23	4
3256-3	Washer - Flat	13	28	4
3256-6	Washer - Flat	9	20	1
3256-6	Washer - Flat	21	49	2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
3256–6	Washer – Flat	24	53	1
3256–14	Washer – Flat	3	35	1
3256–22	Washer – Flat	11	8	1
3256–22	Washer – Flat	31	8	1
3256–23	Washer – Flat	8	9	1
3256–23	Washer – Flat	8	22	2
3256–25	Washer – Flat	48	6	1
3256–26	Washer – Flat	11	40	1
3256–28	Washer – Flat	9	14	4
3256–28	Washer – Flat	20	27	2
3256–41	Washer – Flat	9	36	4
3256–46	Washer – Flat	13	26	2
3256–64	Washer – Flat	31	25	4
3257–5	Woodruff Key	9	11	3
3257–30	Key – Woodruff	33	3	2
3257–32	Woodruff Key	23	15	1
3257–32	Woodruff Key	25	21	1
3257–33	Key Woodruff	31	30	1
3258–19	Screw – Mach. Rd. Hd.	47	16	2
3269–10	Washer – Backup	5	10	2
3272–5	Cotter Pin	11	7	3
3272–6	Cotter Pin	27	8	1
3272–6	Cotter Pin	11	21	6
3272–10	Cotter Pin	9	8	1
3272–10	Cotter Pin	48	38	3
3272–10	Cotter Pin	24	54	1
3272–11	Cotter Pin	48	2	2
3272–11	Cotter Pin	9	28	1
3272–13	Pin – Cotter	20	26	2
3272–16	Cotter Pin	33	14	2
3272–22	Cotter Pin	9	17	2
3272–24	Cotter Pin	48	10	1
3272–33	Cotter Pin	48	17	1
3274–47	Screw – Flat Hd. Socket	11	33	1
3274–69	Screw – Socket Hd.	6	57	6
3290–134	Screw – Hex. Hd. Mach.	3	4	2
3290–144	Screw – Machine	1	17	6
3290–224	Washer – Lock	32	59	1
3290–271	Rivet	5	11	4
3290–357	Nut – Flange Lock	1	26	5
3290–357	Nut – Lock Flange	33	7	8
3290–357	Nut – Lock Flange	8	14	6
3290–357	Nut – Lock Flange	31	43	7
3290–378	Cable Tie	7	8	A/R
3290–378	Cable Tie	1	23	2
3290–379	Cable Tie	31	16	1
3290–379	Cable Tie	3	41	1
3290–379	Tie – Cable	13	16	3
3290–379	Tie – Cable	5	31	4
3290–424	Screw – Hex. Hd. Mach.	3	28	1
3296–2	Nut	1	14	6
3296–6	Nut – Lock	9	34	1
3296–12	Nut – Lock Flange Hd.	3	26	3
3296–16	Nut – Lock	10	74	1
3296–20	Nut – Lock	31	5	1
3296–20	Nut – Lock	16	22	2
3296–20	Nut – Lock	13	30	4
3296–28	Nut – Lock	9	27	1
3296–29	Nut – Lock	23	4	1
3296–29	Nut – Lock	13	36	2
3296–29	Nut – Lock	10	64	2
3296–42	Nut – Lock	23	10	6
3296–42	Nut – Lock	27	10	5
3296–59	Nut – Lock	6	63	1
32103–2	Nut – Wing	1	11	3
32103–2	Nut – Wing	5	51	2
32104–6	Screw – Hex. Hd. Tapping	10	56	4
32104–6	Screw – Self Tapping	16	1	2
32104–116	Screw – Self Tapping	5	20	8
32107–11	Nut	47	14	2
32111–8	Nut – Acorn	5	8	2
32120–8	Retaining Ring	25	1	1
32120–11	Retaining Ring	25	47	1
32120–15	Retaining Ring	25	45	1
32120–22	Ring – Retaining	9	42	2
32120–22	Ring – Retaining Internal	31	34	1
32120–69	Ring – Retaining External	31	35	1
32120–72	Ring – Retaining External	23	43	1
32121–6	Pin – Roll	23	11	1
32121–9	Pin – Roll	9	49	1
32121–15	Roll Pin	18	30	1
32121–16	Pin – Roll	11	24	1
32121–24	Pin – Roll	24	55	1
32121–34	Pin – Roll	9	45	2
32121–73	Pin – Slotted Spring	27	9	1
32121–84	Roll Pin	48	25	2
32121–91	Pin – Coil ,Spring	25	49	3
32122–16	Screw – Truss Hd.	6	61	1
32128–20	Nut – Flange	47	21	4
32128–20	Nut – Flange	16	37	3
32128–20	Nut – Flange	13	41	1
32128–20	Nut – Lock Flange	2	37	1
32128–20	Screw – Flange Hex. Hd.	5	29	11
32128–21	Nut – Flange	5	36	5
32128–21	Nut – Flange Lock	1	5	10
32128–23	Nut – Lock Flange	20	5	4
32128–23	Nut – Lock Flange	33	16	1
32128–23	Nut – Lock Flange	31	24	2
32128–25	Nut – Flange Lock	12	53	2
32128–32	Nut – Flange	5	9	8
32128–33	Nut – Lock Flange	2	39	5
32128–37	Nut – Lock Flange	33	23	2
32128–37	Nut – Lock Flange	31	44	2
32128–42	Nut – Flange Lock	48	27	4
32136–2	Nut	48	3	2
32136–3	Nut – Hex. Slotted	33	13	2
32136–5	Nut – Slotted	20	25	2
32144–10	Screw – Hex. Hd. Self Tap	8	33	2
32144–10	Screw – Hex. Thd. Form	13	6	6
32144–10	Screw – Self Tapping	27	4	2
32144–10	Screw – Self–Tapping	2	45	11
32144–10	Screw – Thd. Forming	21	52	2
32144–21	Screw	13	45	1
32144–53	Screw – Thread Forming	16	11	5
32144–67	Screw – Cap Thd. Forming	16	36	4
32146–20	Nut – Lock	20	9	1
32149–2	Nut	7	9	2
32149–2	Nut	7	22	2
32149–2	Nut	11	37	1
32149–2	Nut – Lock	3	33	3
32151–36	Ring – Retaining	20	12	3
32151–46	Retaining Ring	25	27	2
32151–104	Ring – Retaining	20	10	2
32152–1	Nut – Lock	23	19	8
32152–1	Nut – Lock Flange	31	12	1
32153–2	Nut – Hex.	13	11	2
32153–2	Nut – Lock	11	30	2
32153–2	Nut – Lock	32	57	1
340–54	Fitting 45°	20	15	2
340–70	Nut – Lock Bulkhead	5	34	2
340–71	Union – Bulkhead	5	33	2
340–77	Elbow	23	12	1
340–97	Fitting – 90°	27	25	1
340–99	Elbow	23	13	1
340–99	Fitting – 90° Elbow	27	12	1
340–110	Elbow – 90°	27	24	1
340–112	Elbow – 90°	27	18	1
353–508	Plug – Drain	23	41	1
353–512	Plug	27	1	1
353–550	Plug – Hex. Hd.	25	19	2
353–551	Plug – Hex. Hd.	25	32	1
353–702	Hose Barb	7	18	1
353–975	Hose Barb	7	6	1
353–987	Elbow	23	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	5–6
Fuel Filter Assembly	7
Interlock Assembly	8
Power Take Off Assembly	9–10
Brake Pedal Assembly	11–12
Power Steering Assembly	13
Power Steering Valve Assembly No. 92–7308	14
Hydraulic Schematic	15
Front Axle and Fuel Tank Assembly	16
Differential Assembly No. 86–9600	17–18
Brake Assembly	19
Rear Axle and Wheel Assembly	20–21
Hydraulic Steering Cylinder	22
Hydrostatic Transmission	23–24
Transmission Assembly No. 92–8947	25–26
Valve and Cylinder Assembly	27
Hydraulic Lift Cylinder Assembly No. 62–4250 (2–1/2" Bore)	28
Hydraulic Lift Cylinder Assembly No. 66–1250 (3" Bore) (Opt.)	29
Control Valve Assembly No. 43–1710	30
Engine Assembly	31–41
Fuel Injection Pump Assembly No. 42–8000	42–43
Nozzle and Holder Assembly No. 44–8070	44
Alternator Assembly No. 43–0390	45
Starter Assembly No. 46–7610	46
Air Cleaner Assembly	47
Push Arm Assembly	48
TORO Part Number Index	49–57

MAINTENANCE RECORD

Date								

MAINTENANCE RECORD

Date								