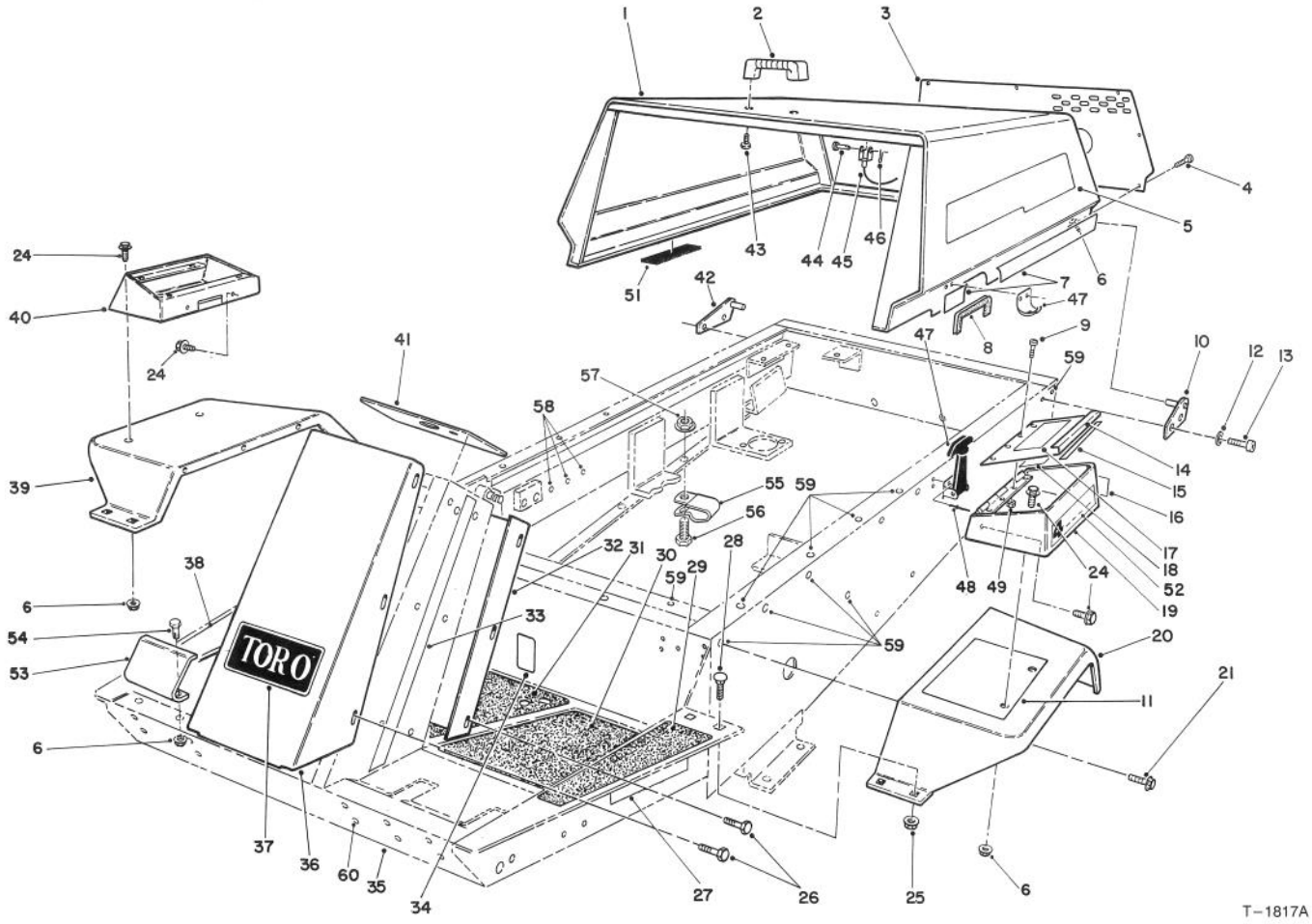
FORM NO. 3317–142

TORO®

MODEL NO. 30243–50001 & UP

PARTS CATALOG

GROUNDSMASTER® 223–D 4wd
TRACTION UNIT



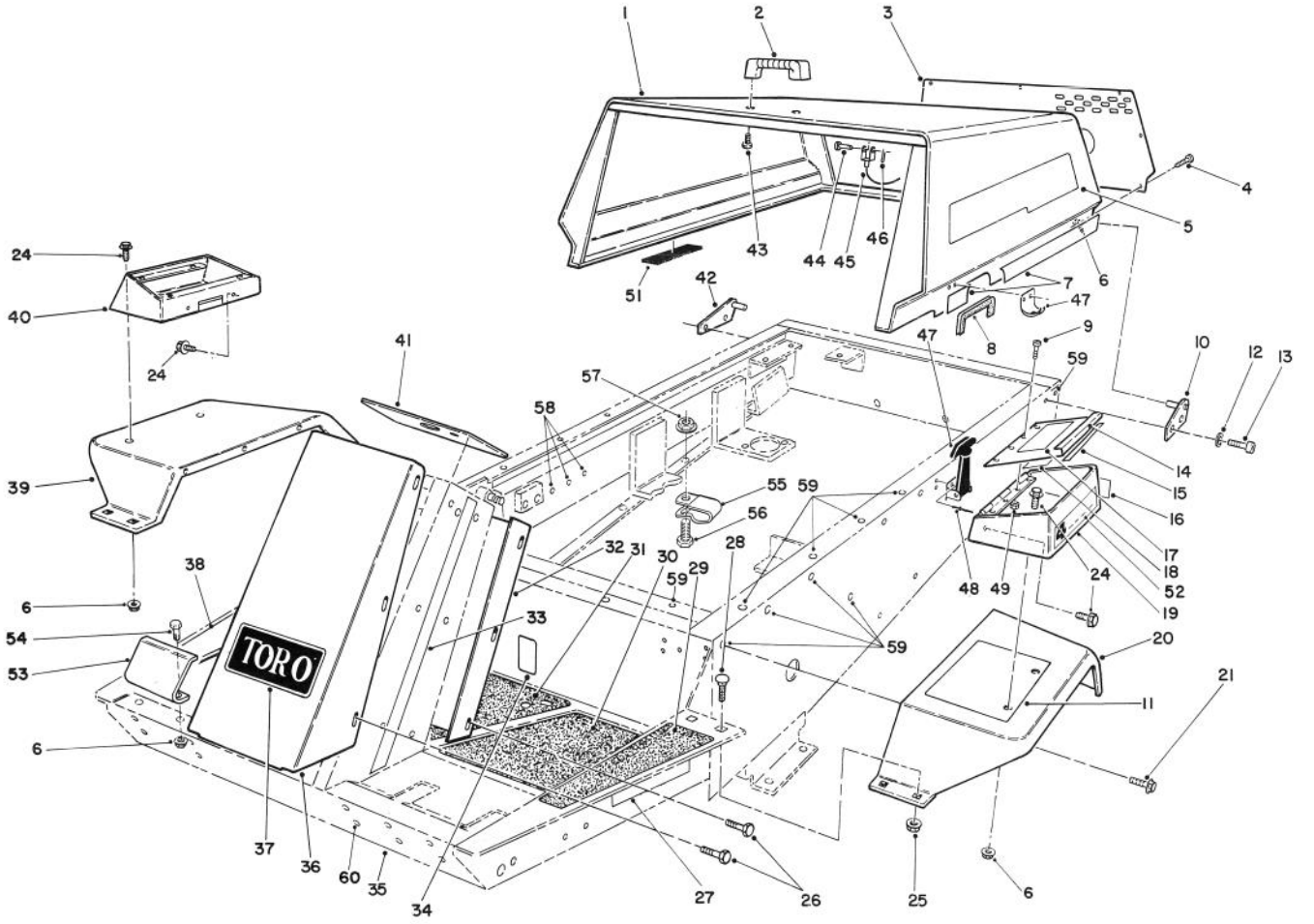
BODY ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	14–7149	Hood Assembly	1
2	65–5100	Handle – Hood	1
3	63–7030	Screen – Hood	1
4	321–3	Screw – Cap Hex. Hd.	7
5	93–3186	Decal – GM 223–D	2
6	32128–33	Nut – Flange	13
7	93–3193	Decal – Hood LH	1
*	93–3192	Decal – Hood RH	1
8	66–8110	Trim – Hood	1
9	3290–359	Screw – Machine	4
10	63–6900	Plate Hinge LH	1
11	76–4790	Pad – Rubber	1
12	3255–8	Washer – Lock	4
13	3274–32	Screw – Hex. Hd. Socket	4
14	92–6502	Tool Box Cover Assembly (Incl. Ref. #17 & 18)	1
15	66–3050	Strip – Magnetic	1
16	27–7310	Decal (Caution Over Fill)	1
17	92–5774	Decal – Warning	1
18	84–1960	Decal – Service	1
19	92–6501	Tool Box Assembly (Incl. Ref. #16)	1
20	63–7310	Fender LH	1
21	3234–14	Screw – Flange Hd.	8
24	3234–13	Screw – Flange Hd.	8
25	32128–20	Nut – Flange	4
26	46–6810	Screw – Cap Hex. Hd.	13
27	67–1720	Decal – Caution	2
28	3230–23	Bolt – Carriage	4
29	66–3200	Tread – Foot Rest LH	1
30	66–3210	Tread – Foot LH	1
31	92–5540	Tread – Foot RH	1

*Not Illustrated

© The TORO Company –1994
All Rights Reserved

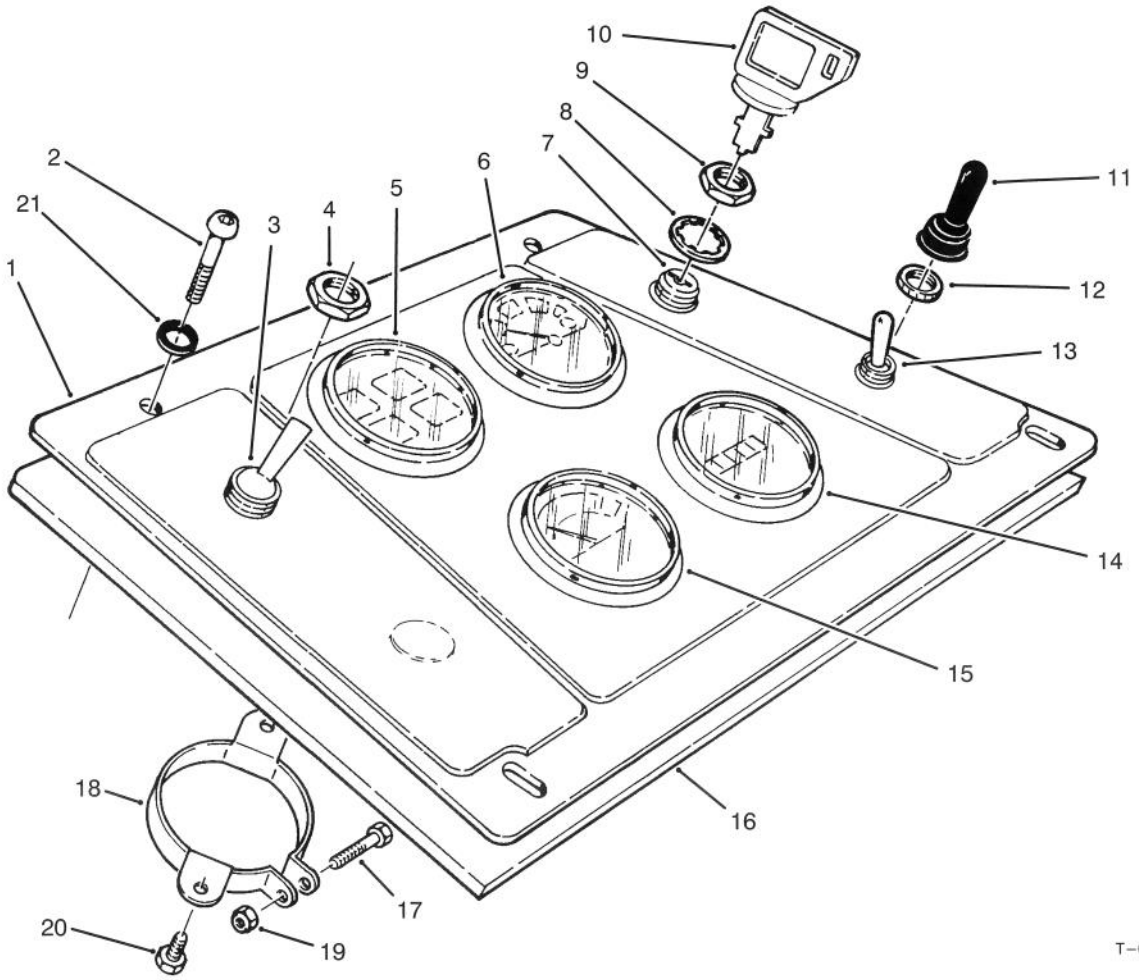
TPS



BODY ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
32	63–7320	Cover – Tower Rear	1
33	66–8760	Decal – Tower LH	1
*	66–8770	Decal – Tower RH	1
34	53–4430	Decal – Oil	1
35	92–6500	Frame Assembly (Incl. Ref. #27, 29–31, 34, 38, & 58–60)	1
36	92–5545	Cover – Tower Front	1
37	62–5550	Decal – TORO	1
38	92–5772	Decal Traction Pedal	1
39	63–7300	Fender – RH	1
40	63–8050	Box – Control	1
41	66–2470	Plate – Tower	1
42	63–6890	Plate – Hinge RH	1
43	46–8091	Screw – Cap Hex. Hd.	2
44	283–58	Pin – Clevis	1

Ref. No.	Part No.	Description	No. Used
45	66–2870	Cable – Hood Stop	1
46	3272–10	Pin – Cotter	1
47	59–9740	Latch Assembly	1
48	3290–271	Rivet	4
49	3296–12	Nut – Hex.	4
51	82–8950	Foam	2
52	72–3560	Decal – 4wd	2
53	92–5548	Shield – Pedal Stop	1
54	321–4	Screw – Cap Hex. Hd.	2
55	92–5753	Clamp – Hose	3
56	322–5	Screw – Cap Hex. Hd.	3
57	32128–44	Nut – Flange Lock	3
58	32148–9	Nut – Clinch	3
59	32148–7	Nut – Clinch	22
60	32148–10	Nut – Clinch	10

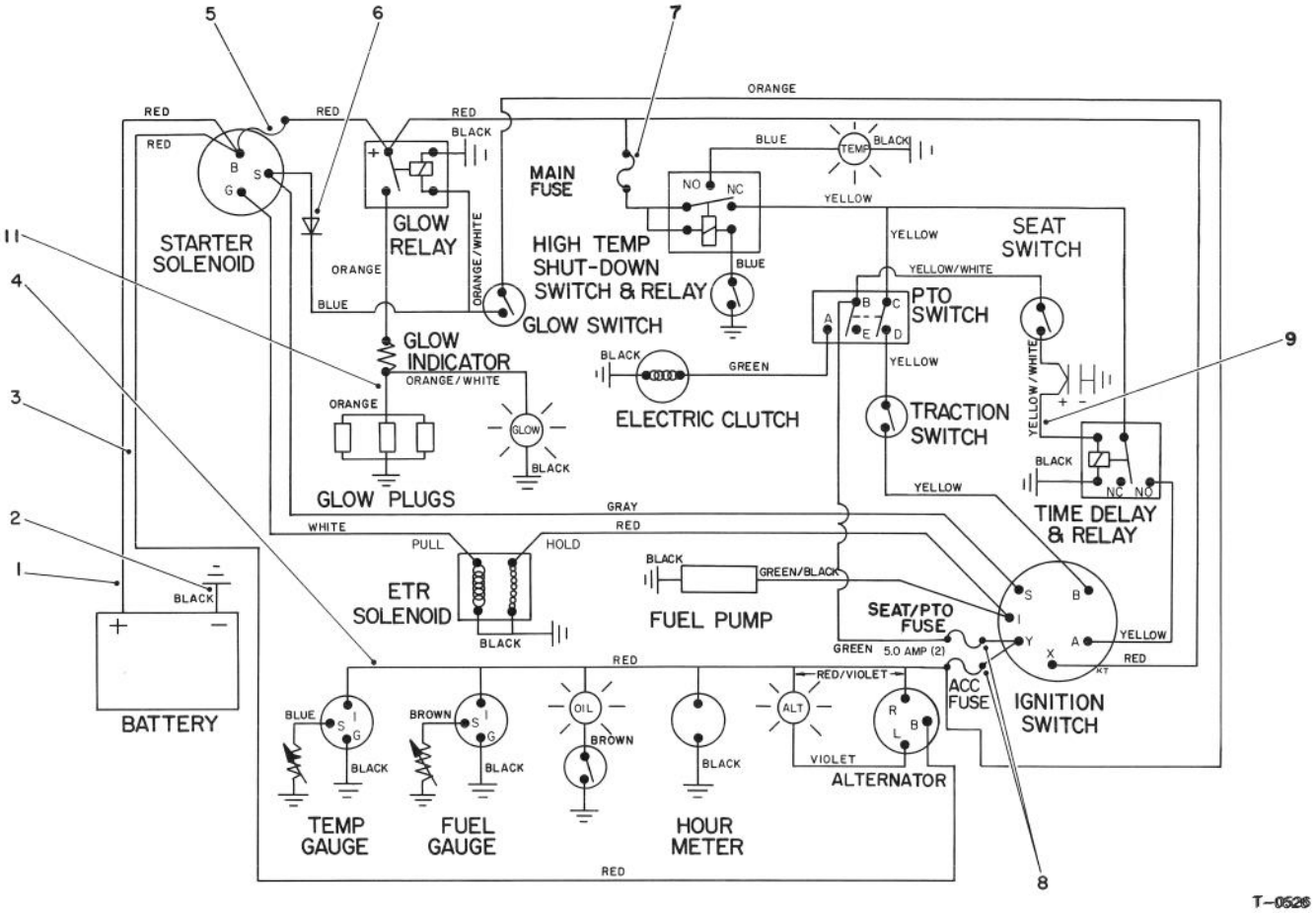


T–0525A

CONTROL PANEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	66–2460	Panel – Control	1
2	3274–65	Screw – Socket Hd.	4
3	85–4980	PTO Switch Assembly (Incl. Ref. #4)	1
4	218–576	Nut – Hex.	1
5	66–2960	Cluster – Warning Light	1
6	66–2940	Gage – Fuel	1
7	27–2360	Ignition Switch Assembly (Incl. Ref. #8–10)	1
8	218–447	Washer – Lock	1
9	218–446	Nut – Hex.	1
10	63–8360	Key – Ignition	1

Ref. No.	Part No.	Description	No. Used
11	218–473	Boot – Switch	1
12	218–497	Nut – Face	1
13	6–1659	Glow Plug Switch Assembly (Incl. Ref. #11 & 12)	1
14	66–2950	Meter – Hour	1
15	63–7430	Gage – Temperature	1
16	85–7560	Plate – Control Panel	1
17	32105–1	Screw	1
18	69–4780	Clamp – Gauge	1
19	3296–12	Nut – Lock	1
20	32144–1	Screw – Hex. Hd.	2
21	3256–1	Washer – Flat	4

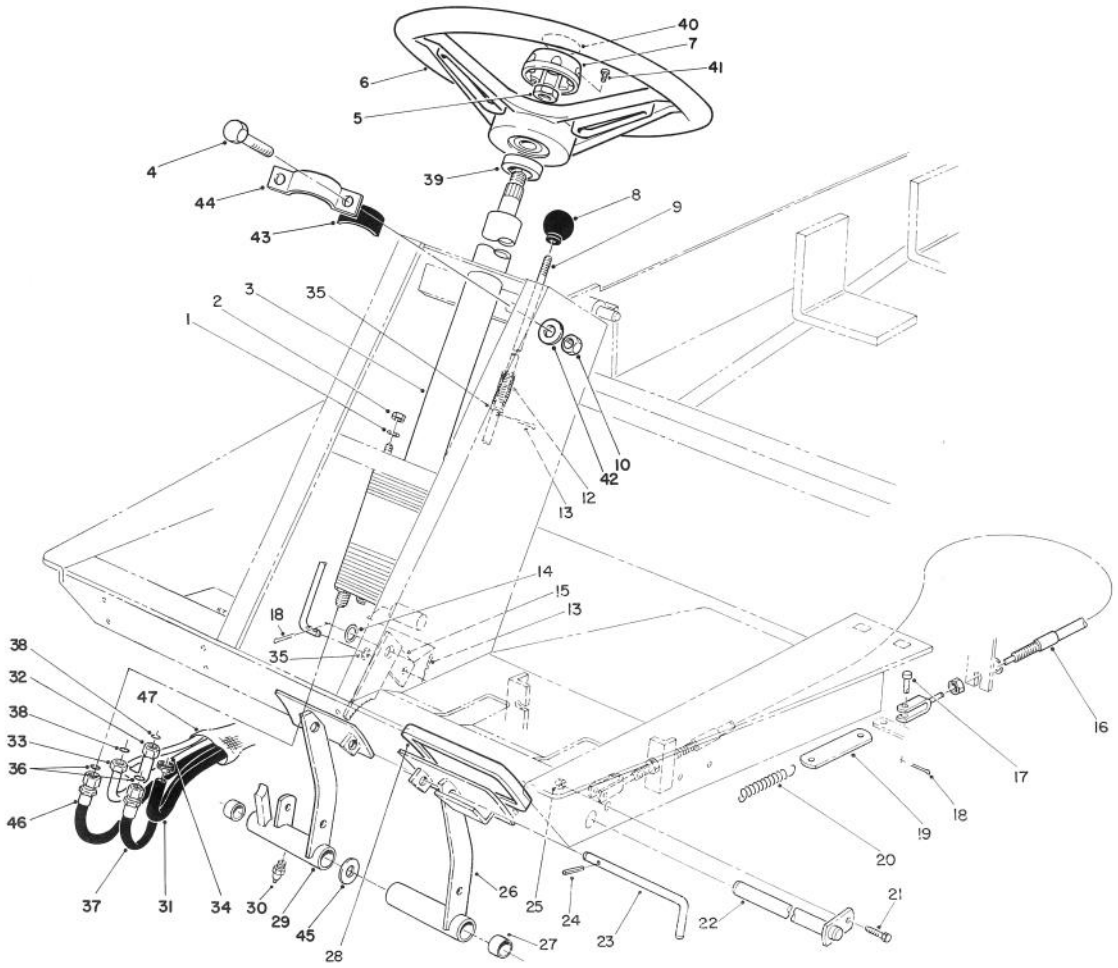


T-0526

ELECTRICAL SCHEMATIC

Ref. No.	Part No.	Description	No. Used
1	43–4031	Wire – Positive	1
2	63–7340	Wire – Ground	1
3	85–7540	Wire Harness (Incl. Ref. #5 & 6)	1
4	66–8690	Lamp Harness (Incl. Ref. #10)	1
5	67–7120	Fusible Link	1

Ref. No.	Part No.	Description	No. Used
6	86–7470	Diode	1
7	218–574	Fuse 7.5A	1
8	218–573	Fuse 5.0A	2
9	67–7180	Wire – Seat	1
10	219–17	Bulb – Light	4
11	68–7370	Wire – Glow	1
12	68–7380	Connector Assembly	1



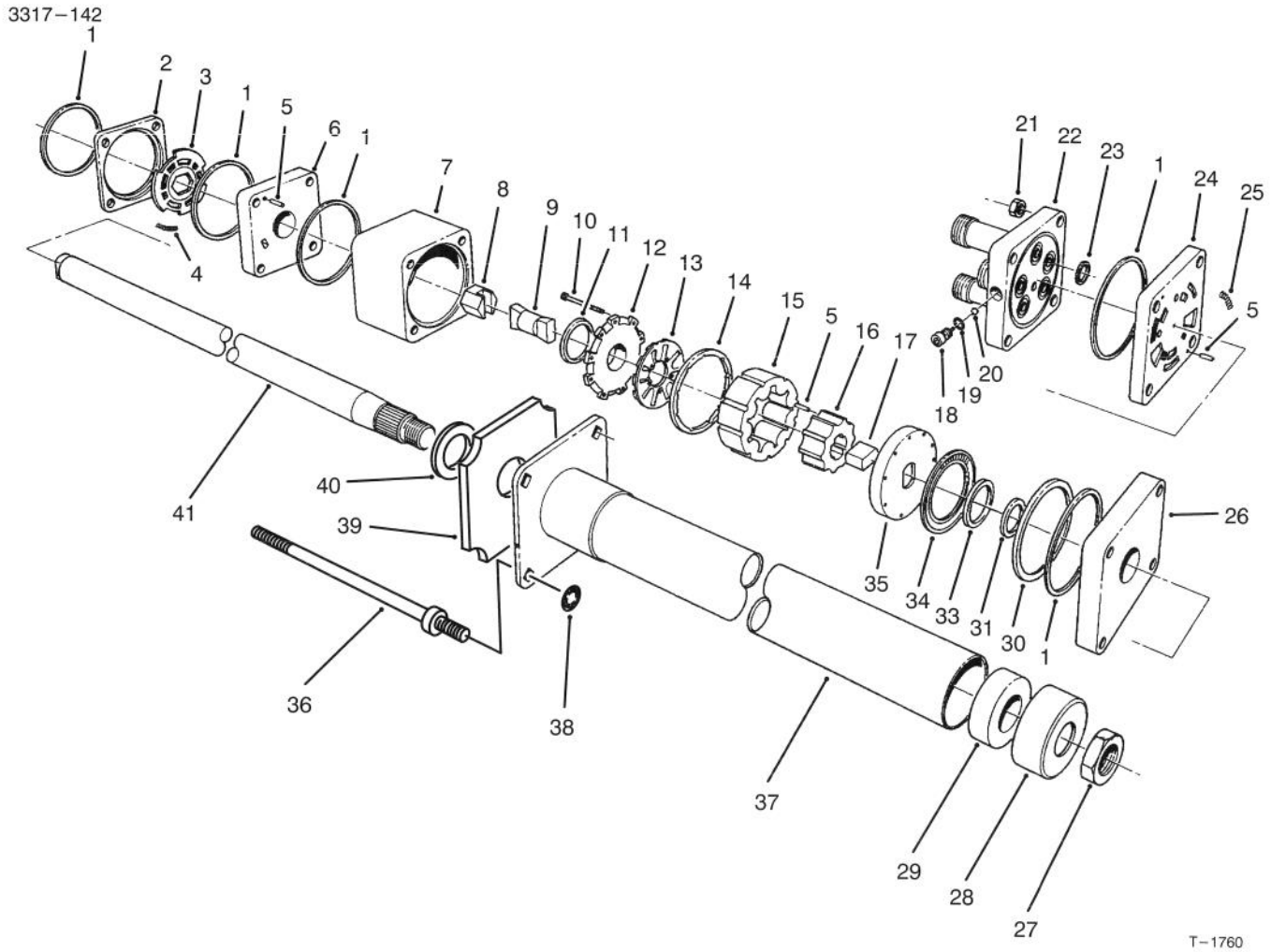
T–1247

POWER STEERING & BRAKE PEDAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3256–23	Washer – Flat	4
2	3296–20	Nut – Lock	4
3	92–7308	Power Steering Valve Assy. (Incl. Ref. #7)	1
4	322–5	Screw – Cap Hex. Hd.	2
5	3220–6	Nut –Hex.	1
6	75–0560	Wheel – Steering (Incl. Ref. #7 & 41)	1
7	68–5140	Steering Wheel Cap Assy. (Incl. Ref. #41)	1
8	233–17	Knob	1
9	63–7910	Rod – Brake Latch	1
10	3296–29	Nut – Lock	2
12	3–3251	Spring	1
13	3272–5	Pin – Cotter	3
14	3256–26	Washer – Flat	1
15	63–7900	Rack – Brake	1
16	63–7730	Cable – Brake RH	1
*	63–7731	Cable – Brake LH	1
17	283–58	Pin – Clevis	4
18	3272–10	Pin – Cotter	5
19	63–6750	Link – Brake Cable	2
20	3–7243	Spring – Return	2
21	321–3	Screw – Cap Hex. Hd.	1
22	63–6210	Pin – Brake	1
23	63–7880	Pin – Brake Latch	1

Ref. No.	Part No.	Description	No. Used
24	32121–50	Pin – Roll	1
25	3296–42	Nut – Lock	1
26	63–6180	Brake Pedal Assembly LH (Incl. Ref. #27 & 30)	1
27	256–42	Bushing	4
28	7–3900	Foot Pad – Brake	2
29	63–6190	Brake Pedal Assembly RH (Incl. Ref. #27 & 30)	1
30	302–5	Fitting – Grease	2
31	66–8140	Hose	1
32	66–8630	Tube – Hydraulic	1
33	66–8620	Tube – Hydraulic	1
34	2412–36	Clamp	2
35	3256–22	Washer – Flat	3
36	237–30	O–Ring	2
37	92–5080	Hose – Hydraulic	1
38	237–22	O–Ring	2
39	21–9260	Cover – Dust	1
40	68–5370	Decal – Toro	1
41	32144–21	Screw – Pan Hd. Phillips	1
42	3256–23	Washer – Flat	2
43	84–7670	Foam – Column Support	2
44	84–7660	Clamp – Column	1
45	3256–69	Washer – Flat	A/R
46	92–5081	Hose – Hydraulic	1
47	44–8530	Sock – Hose	1

*Not Illustrated

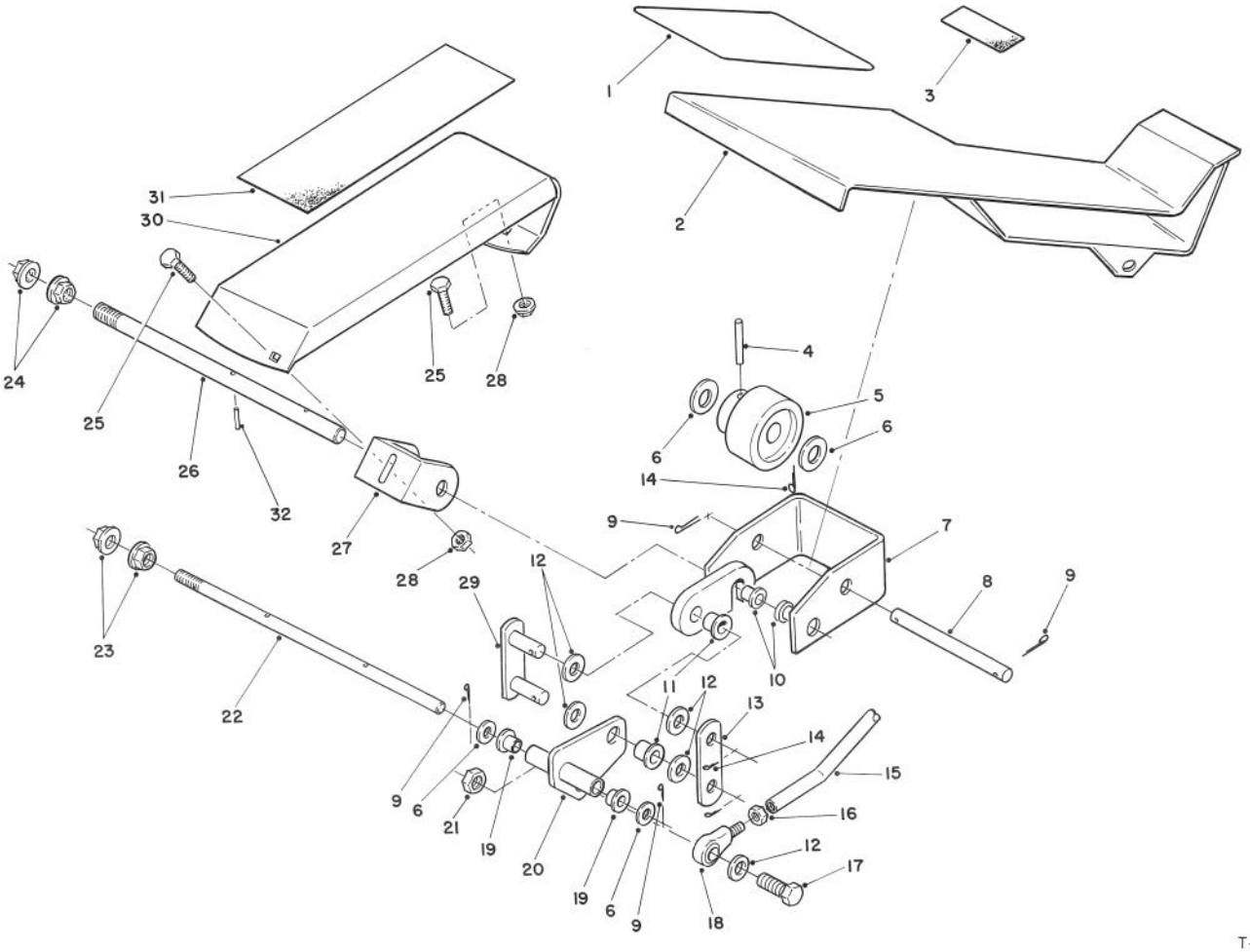


STEERING VALVE ASSEMBLY NO. 92–7308

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

Ref. No.	Part No.	Description	No. Used
26		Plate – Upper Cover	1
27	3220–6	Nut	1
28	92–7315	Seal	1
29		Bearing	1
30		Spacer – Bearing, Thrust	1
31		Spacer– Seal	1
33		Seal – Face	1
34		Bearing – Thrust	1
35		Plate – Drive	1
36	92–7310	Bolt – Special	4
37		Upper Cover & Jacket	1
38	92–7316	Nut – Pus On	4
39	92–7317	Foam	1
40		Washer – Retaining	1
41		Shaft – Input	1
*	66–9970	Kit – Spring (Incl. Ref. #4 & 25)	1
*	66–9980	Kit – Seal (Incl. Ref. #1, 11, 19, 23 & 33)	1
*	66–9990	Kit – Needle Roller (Incl. Ref. #5)	1
*	92–7314	Assembly – Column (Incl. Ref. #27–29 & 37–41)	1

*Not Illustrated

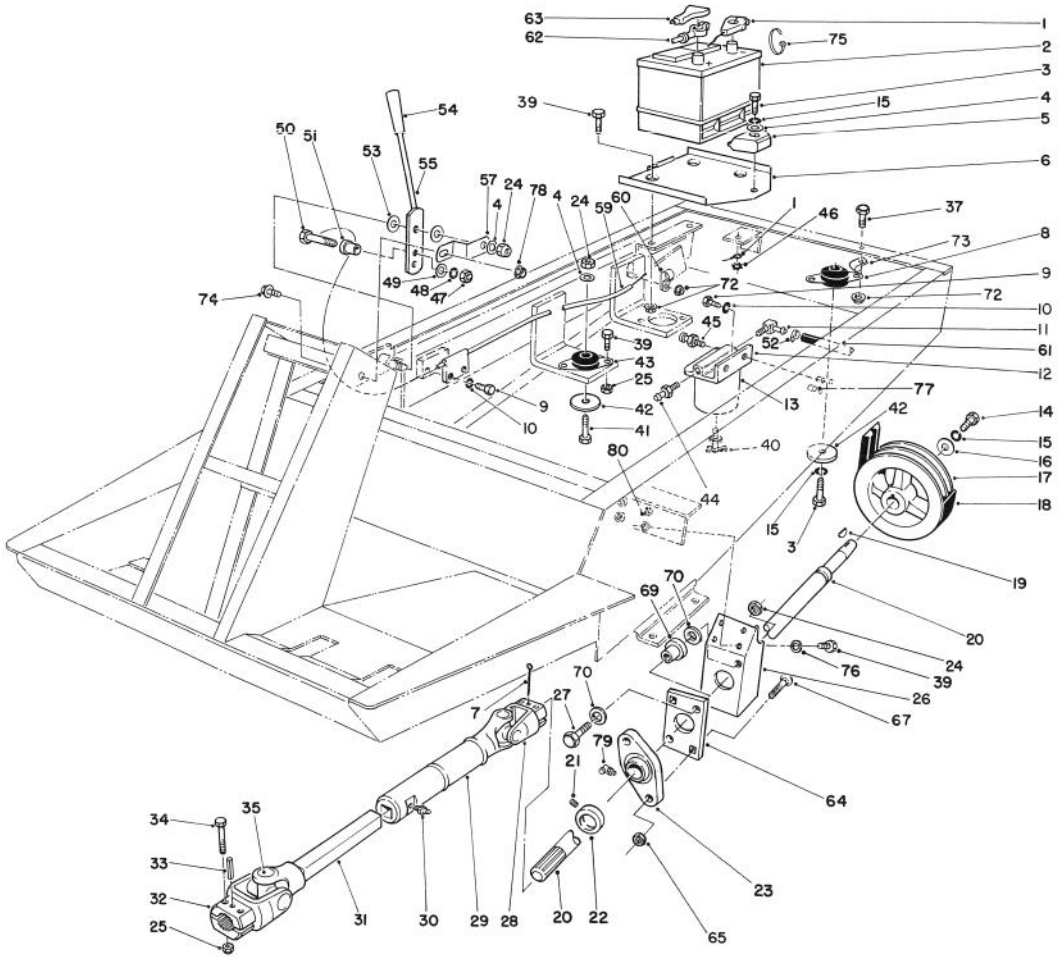


T–1688A

TRACTION PEDAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	92–5538	Pad – Traction Pedal Front	1
2	92–5092	Pedal – Traction	1
3	92–5539	Pad – Traction Pedal Rear	1
4	32121–6	Pin – Roll	1
5	28–5220	Wheel – Friction	1
6	5–7570	Washer	4
7	92–5093	Bracket – Pivot	1
8	92–5537	Pin – Pedal Pivot	1
9	3272–10	Pin – Cotter	4
10	256–156	Bushing – Flange	2
11	256–116	Bushing	2
12	3256–24	Washer – Flat	5
13	92–5721	Plate – Link	1
14	3272–6	Pin – Cotter	3
15	92–5536	Tube – Traction Control	1
16	3220–3	Nut – Jam	1

Ref. No.	Part No.	Description	No. Used
17	323–9	Screw – Cap Hex. Hd.	1
18	2411–36	End – Rod	1
19	256–219	Bushing	2
20	92–5094	Arm – Traction	1
21	3296–39	Nut – Lock	1
22	92–5075	Shaft – Traction Pedal	1
23	32128–49	Nut – Flange	2
24	32128–56	Nut – Flange	2
25	3230–2	Bolt – Carriage	2
26	92–5534	Shaft – Traction Pedal	1
27	92–5077	Bracket – Footrest	1
28	32128–44	Nut – Flange Lock	2
29	92–5532	Link	1
30	92–5514	Footrest	1
31	92–5750	Pad – Footrest	1
32	32128–50	Pin – Roll	1



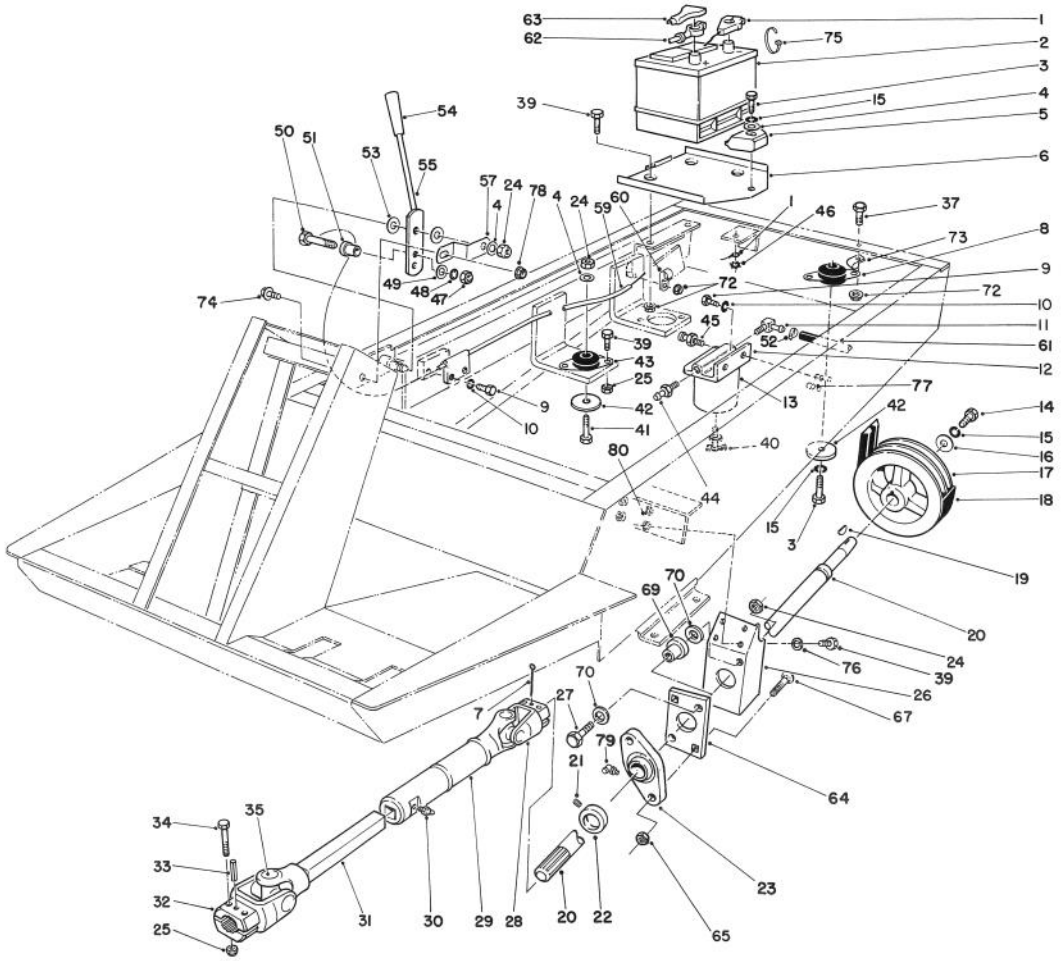
T–0530A

POWER TAKE OFF, BATTERY, AND ENGINE MOUNT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	63–7340	Wire – Ground	1
†2		Battery	
		Type 26 SMF–5	1
3	323–9	Screw – Cap Hex. Hd.	2
4	3256–24	Washer – Flat	4
5	66–2490	Clamp – Battery Retainer	1
6	66–2330	Base – Battery	1
7	3272–15	Pin – Cotter	1
8	63–7141	Mount – Shock (Red)	1
9	321–4	Screw – Cap Hex. Hd.	4
10	3253–3	Washer – Lock	4
11	353–781	Fitting 90°	1
12	63–8280	Head Assembly	1
13	63–8300	Element – Spin–On	1
14	323–18	Screw – Cap Hex. Hd.	1
15	3253–21	Washer – Lock	3
16	29–4730	Washer – PTO	1
17	43–5320	Pulley – PTO	1
18	63–6240	Belt – PTO	1
19	3257–5	Key – Woodruff	1
20	92–8855	Shaft – PTO	1
21	3246–1	Screw – Set	1
22	251–77	Collar – Locking	1

Ref. No.	Part No.	Description	No. Used
23	92–8799	PTO Shaft Bearing Assembly (Incl. Ref. #21 & 22)	1
24	3296–39	Nut – Lock	7
25	3296–29	Nut – Lock	12
26	92–8751	Bracket – PTO Bearing	1
27	323–10	Screw – Cap Hex. Hd.	2
28	54–9090	Yoke – End	1
29	54–9170	Tube – Slip Yoke	1
30	302–58	Fitting – Grease	1
31	54–9050	Shaft – Slip Yoke	1
32	54–9040	Yoke – End	1
33	32121–34	Pin – Roll	1
34	322–9	Screw – Cap Hex. Hd.	4
35	54–9180	Kit – Universal Joint	2
37	322–3	Screw – Cap Hex. Hd.	1
39	322–5	Screw – Cap Hex. Hd.	15
40	63–8310	Valve – Drain	1
41	323–11	Screw – Cap Hex. Hd.	3
42	63–7400	Washer – Rebound	4
43	63–7142	Mount – Shock (Yellow)	3
44	353–783	Fitting – Straight	1
45	63–8290	Vent – Air	1
46	3255–8	Washer – Lock ETLW	1

†Obtain Locally



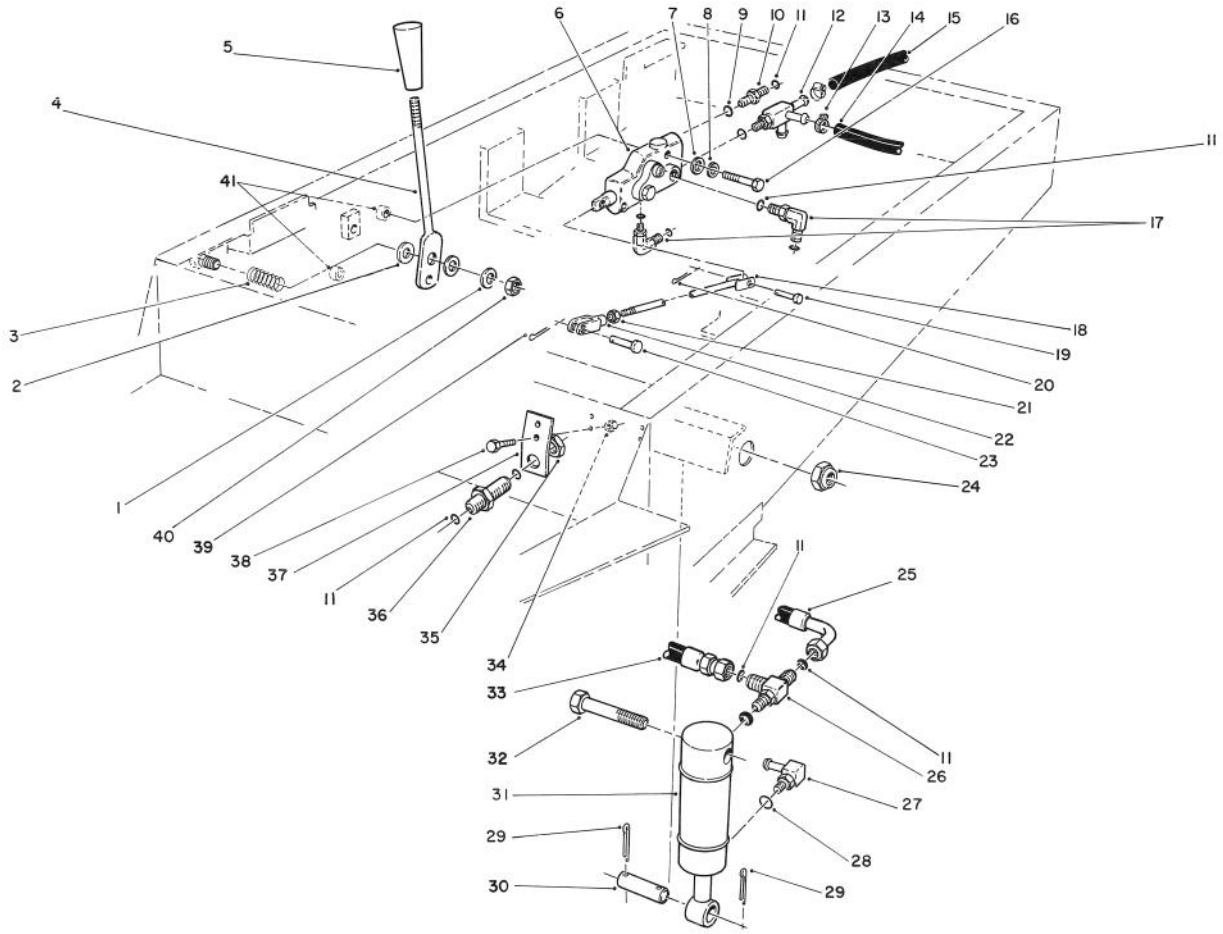
T–0530A

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

Ref. No.	Part No.	Description	No. Used
47		Nut – Hex.	1
48		Washer – Lock ITLW	1
49		Washer – Flat	1
50		Screw – Special	1
51		Sleeve – Connector	1
52	2412–108	Clamp	2
53	66–2920	Washer – Friction	2
54	233–39	Knob	1
55	71–3500	Lever – Throttle	1
57	66–2670	Bracket – Throttle	1
59	76–1000	Cable – Throttle	1
61	63–7610	Hose	1
62	43–4031	Cable – Battery Positive	1
63	28–1280	Boot – Positive Cable	1
64	84–7580	Plate – Bushing Support	1
65	32149–1	Nut – Lock	2

Ref. No.	Part No.	Description	No. Used
67	3230–4	Bolt – Carriage	2
69	63–9750	Mount	2
70	63–8410	Washer – Flat	4
72	32128–20	Nut – Flange	4
73	2412–104	R–Clamp	1
74	3234–13	Screw – Flange Hd.	1
75	3290–378	Tie – Cable	1
76	3253–4	Washer – Lock	4
77	32148–11	Nut – Clinch	2
78	32128–33	Nut – Flange Hd.	1
79	302–40	Fitting – Grease	1
80	32148–8	Nut – Clinch	4
*	63–6760	Throttle Cable Swivel Assy. (Incl. Ref. #47–51)	1
*	54–7950	Drive Shaft Assembly (Incl. Ref. #28–32 & 35)	1

*Not Illustrated



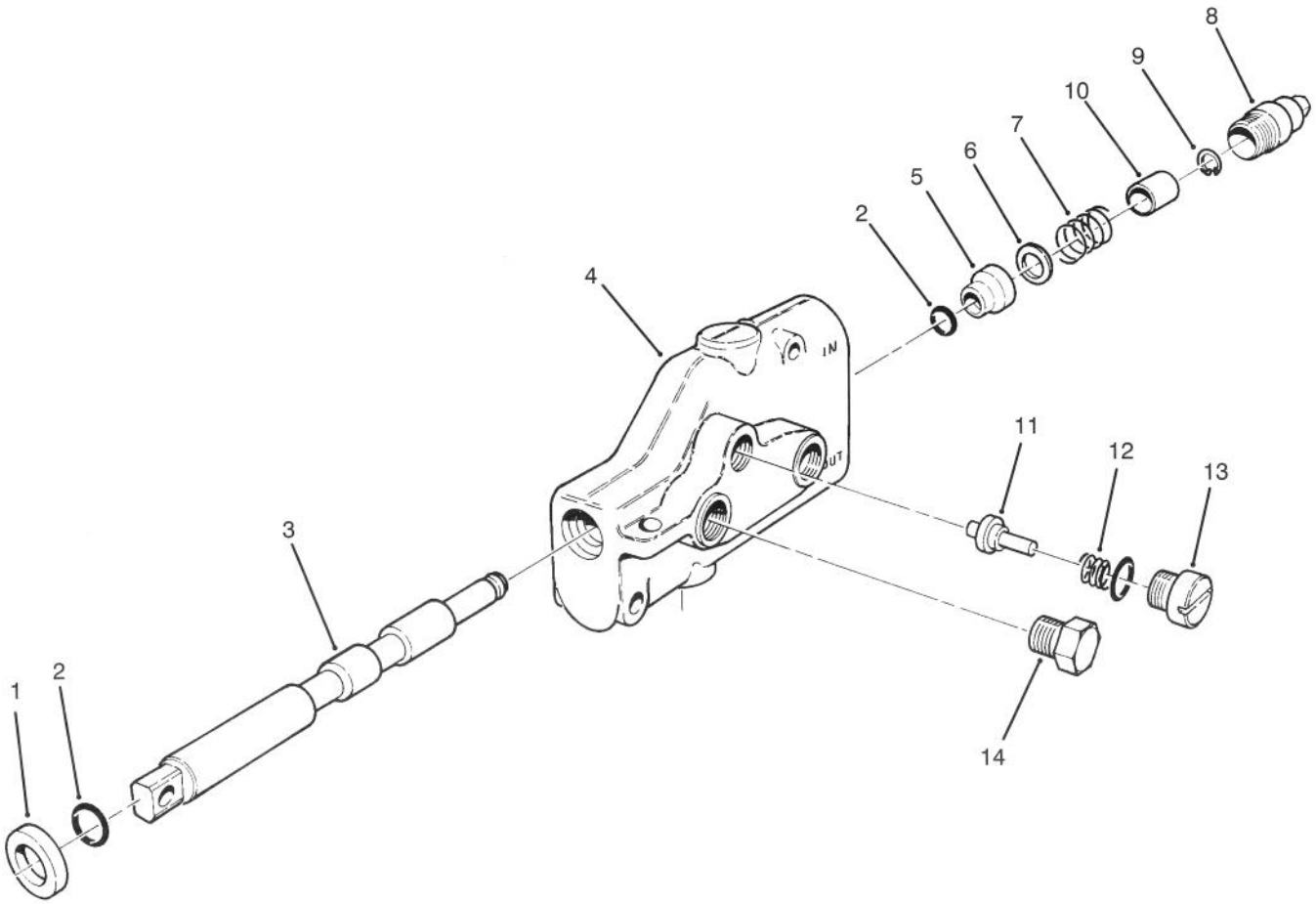
T–0531

HYDRAULIC LIFT SYSTEM ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3256–23	Washer – Flat	1
2	3256–26	Washer – Flat	2
3	70–7530	Spring – Compression	1
4	66–2720	Lever – Lift	1
5	233–39	Knob	1
6	63–7960	Valve – Lift	1
7	3256–22	Washer – Flat	2
8	3253–3	Washer – Lock	2
9	237–65	Seal – O–Ring	5
10	340–2	Fitting – Hydraulic Straight (Incl. Ref. #9 & 11)	1
11	237–22	Seal – O–Ring	7
12	66–3130	Fitting – Hydraulic Tee (Incl. Ref. #9)	1
13	2412–36	Clamp – Hose	3
14	66–8150	Hose – Hydraulic	1
15	66–8500	Hose	1
16	321–11	Screw – Cap Hex. Hd.	2
17	340–77	Fitting – Hydraulic 90° (Incl. Ref. #9 & 11)	2
18	76–4830	Rod – Tie	1
19	283–16	Pin – Clevis	1
20	3272–5	Pin – Cotter	1
21	3220–2	Nut – Jam RH	1
22	282–27	Clevis	1
23	283–58	Pin – Clevis	1
24	3296–15	Nut – Lock	2

Ref. No.	Part No.	Description	No. Used
25	66–8190	Hose – Hydraulic	1
26	340–86	Fitting – Hydraulic Tee (Incl. Ref. #9 & 11) (Used On Cap End of Left Cylinder)	1
*	340–77	Fitting – Hydraulic 90° (Incl. Ref. #9 & 11) (Used On Cap End of Right Cylinder)	1
27	304–99	Fitting – Hydraulic 90° (Incl. Ref. #28)	2
28	237–22	O–Ring	2
29	3272–23	Pin – Cotter	4
30	27–4240	Pin – Cylinder	2
31	63–6630	Cylinder – Lift	2
32	3216–3	Screw – Cap Hex. Hd.	2
33	66–8640	Hose – Hydraulic	1
34	3296–42	Nut – Lock	2
35	340–70	Nut – Fitting	1
36	340–71	Fitting – Hydraulic Bulkhead (Incl. Ref. #11 & 35)	1
37	63–7410	Bracket – Bulkhead	1
38	321–4	Screw – Cap Hex. Hd.	2
39	3272–31	Pin – Cotter	1
40	3296–29	Nut – Lock	1
41	32148–11	Nut – Clinch	2

*Not Illustrated



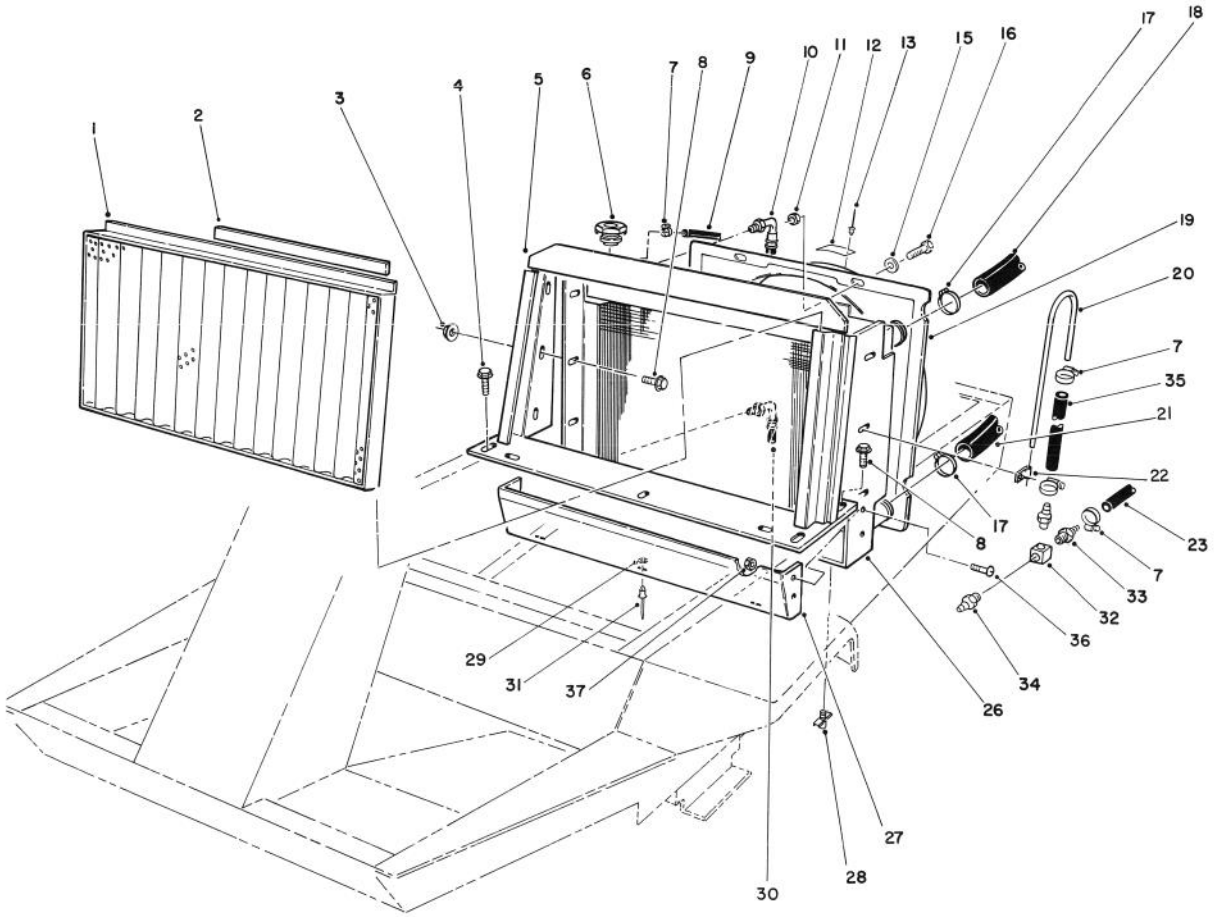
T–0532

LIFT VALVE ASSEMBLY NO. 63–7960

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

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

*Not Illustrated

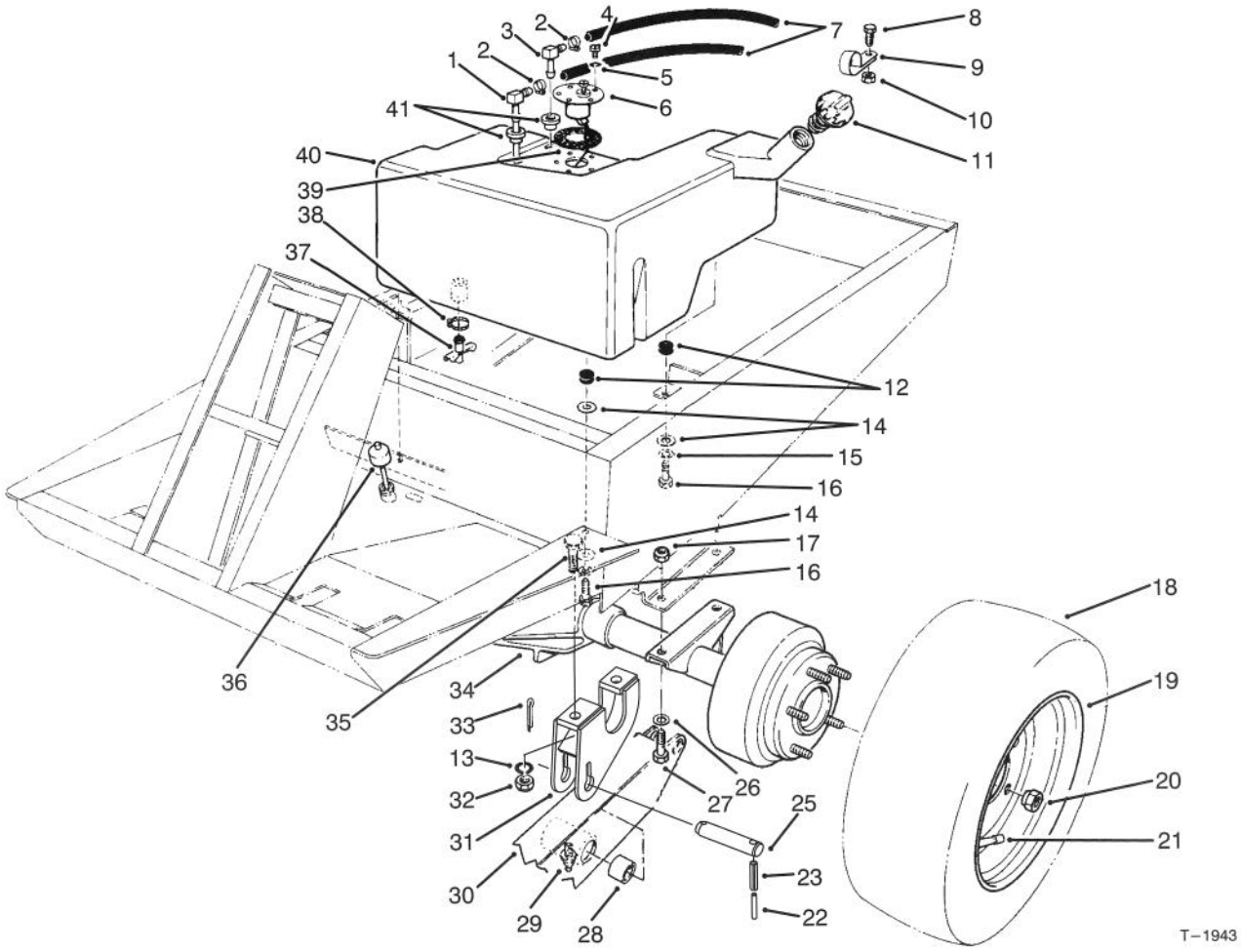


T–0533C

RADIATOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	63–7700	Screen Assembly	1
2	63–7710	Magnetic Strip	1
3	32128–20	Nut – Lock	6
4	3234–17	Screw – Flange Hd.	2
5	92–5757	Radiator Support Assembly	1
6	66–3240	Cap – Radiator	1
7	2412–108	Clamp – Hose	8
8	3234–5	Screw – Flange Hd.	8
9	71–3384	Hose	1
10	66–8180	Hose Assembly	1
11	3296–42	Nut – Lock	4
12	76–8750	Plate – Warning	1
13	3290–55	Rivet	2
15	3256–22	Washer – Flat	4
16	321–4	Screw – Cap Hex. Hd.	4
17	2412–34	Clamp – Hose	4
18	63–6010	Hose – Upper	1
19	92–6503	Fan Shroud Assembly (Incl. Ref. #12 & 13)	1

Ref. No.	Part No.	Description	No. Used
20	66–3180	Tube – Vent	1
21	63–6020	Hose – Lower	1
22	2412–103	Clamp – R	2
23	63–7600	Hose – Fuel	1
26	82–2310	Radiator Assembly	1
27	63–6440	Shield – Radiator	1
28	304–46	Drain Cock	1
29	3269–10	Washer – Flat	3
30	66–8500	Hose Assembly	1
31	3269–13	Rivet	3
32	354–20	Block	1
33	354–22	Fitting – Fuel	2
34	354–21	Fitting – Fuel	1
35	66–3170	Hose	1
36	3249–3	Screw – Round Hd.	2
37	3217–29	Nut – Hex.	2

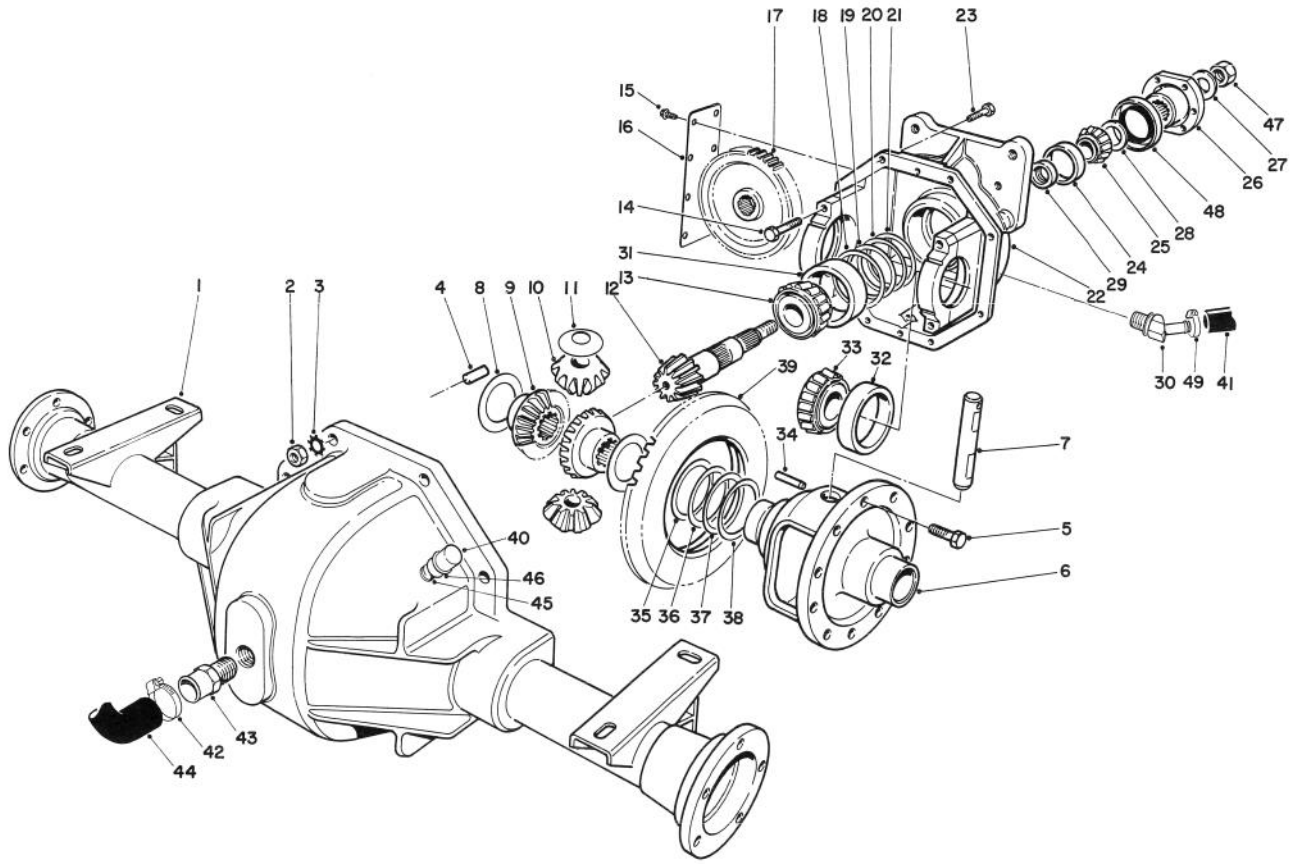


FUEL TANK AND AXLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	66–8120	Standpipe	1
2	2412–108	Clamp	4
3	46–6550	Fitting – Fuel 90°	1
4	32122–24	Screw – Machine	5
5	3253–15	Washer – Lock	5
6	63–7640	Sender – Fuel	1
7	63–7630	Hose	2
8	322–5	Screw – Cap Hex. Hd.	1
9	2412–96	R–Clamp	1
10	32128–20	Nut – Lock	1
11	93–3102	Cap – Fuel	1
12	237–136	Grommet	3
13	3253–8	Washer – Lock	4
14	3256–67	Washer – Flat	3
15	3253–3	Washer – Lock	5
16	321–5	Screw – Cap Hex. Hd.	3
17	3296–48	Nut – Lock	4
18	231–101	Tire – 23" x 8.5" x 12"	2
*	231–95	Tire – 23" x 10.5" x 12" (Optional)	2
19	217–117	Rim – 23" x 8.5" x 12"	2
*	217–116	Rim – 23" x 10.5" x 12" (Optional)	1
20	23–7270	Nut – Lug	10
21	232–27	Valve Stem w/Cap (For Standard 8.5" Rim)	2
*	232–27	Valve Stem w Cap (For Optional 10.5" Rim)	2

Ref. No.	Part No.	Description	No. Used
22	32121–71	Pin – Spring.	2
23	32121–49	pin – Spring	2
25	92–9788	Pin – Pivot (Incl. Ref. #22 & 23)	2
26	3256–25	Washer – Flat	4
27	324–5	Screw – Cap Hex. Hd.	4
28	256–101	Bushing	4
29	302–62	Fitting – Grease	2
30	76–3090	Lift Arm Assembly LH (Incl. Ref. #28 & 29)	1
*	76–3080	Lift Arm Assembly RH (Incl. Ref. #28 & 29)	1
31	92–9786	W.A. Brkt. – Carrier	2
32	3219–6	Nut – Hex.	4
33	3272–17	Pin – Cotter	2
34	92–2377	Axle Assembly	1
35	3273–38	Screw – Hex Socket Hd.	4
36	66–3060	Dipstick – Differential	1
37	304–46	Fitting – Drain	1
38	2412–36	Clamp	1
39	62–7650	Gasket	1
40	92–8873	Tank – Fuel	1
41	46–6560	Bushing	2
*	62–7020	Wheel & Tire Assy. (Opt.) (23" x 10.5" x 12")	2

*Not Illustrated



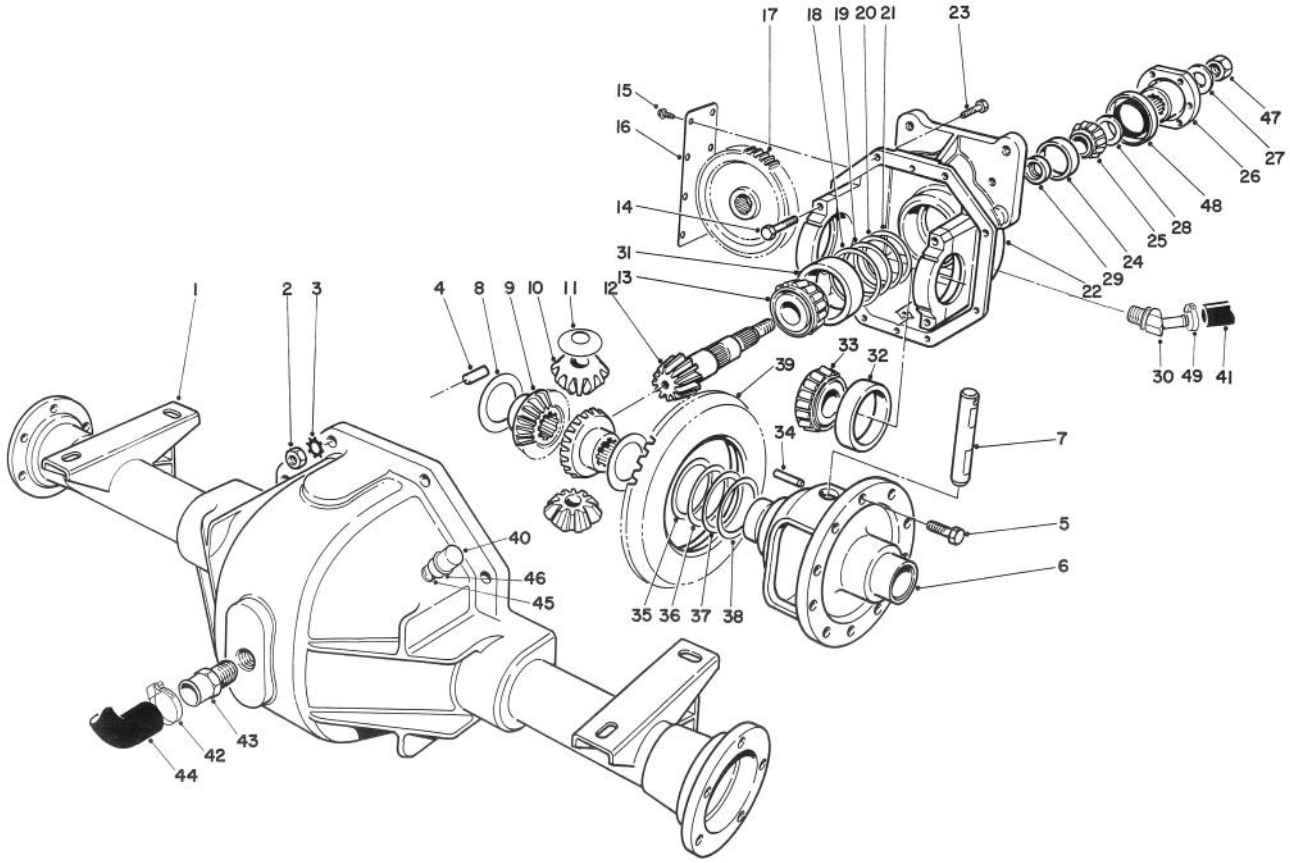
T–1691A

FRONT AXLE ASSEMBLY NO. 92–2377

Ref. No.	Part No.	Description	No. Used
1	63–8090	Lower Housing Assembly	1
2	3219–2	Nut	8
3	3255–8	Washer – Lock	8
4	21–8270	Pin – Dowel	2
5	21–7770	Screw – Drive Gear	5
6	21–7670	Differential Case	1
7	21–7700	Shaft – Pinion Mate	1
8	21–7720	Washer – Thrust	2
9	24–8790	Gear – Bevel, Differential	2
10	21–7690	Gear – Pinion	2
11	21–7730	Washer – Thrust	2
12		Drive Pinion	1
13	43–6760	Cone – Bearing, Tapered	1
14	92–1773	Screw – Cap Hex. Hd.	4
15	12–5450	Screw – Thread Forming	8
16	21–7830	Cover – Gear	1
17	86–7230	Gear – Spur	1
18	43–6710	Shim Adjusting Differential Bearing .003	A/R
19	43–6711	Shim Adjusting Differential Bearing .005	A/R
20	43–6712	Shim Adjusting Differential Bearing .010	A/R
21	43–6713	Shim Adjusting Differential Bearing .030	A/R

Ref. No.	Part No.	Description	No. Used
22	86–7190	Upper Housing Assembly (Incl. Ref. #14)	1
23	3210–7	Screw – Cap Hex. Hd.	8
24	254–90	Cup – Bearing	1
25	254–91	Cone – Bearing	1
26	68–7010	Flange	1
27	71–4340	Washer	1
28	72–3570	Shim .094 – Diff. Adjust.	A/R
*	72–3571	Shim .096 – Diff. Adjust.	A/R
*	72–3572	Shim .098 – Diff. Adjust.	A/R
*	72–3573	Shim .100 – Diff. Adjust.	A/R
*	72–3574	Shim .102 – Diff. Adjust.	A/R
*	72–3575	Shim .104 – Diff. Adjust.	A/R
*	72–3576	Shim .106 – Diff. Adjust.	A/R
*	72–3577	Shim .108 – Diff. Adjust.	A/R
*	72–3578	Shim .110 – Diff. Adjust.	A/R
*	72–3580	Shim .112 – Diff. Adjust.	A/R
*	72–3581	Shim .114 – Diff. Adjust.	A/R
*	72–3582	Shim .116 – Diff. Adjust.	A/R
*	72–3583	Shim .118 – Diff. Adjust.	A/R
*	72–3584	Shim .120 – Diff. Adjust.	A/R
*	72–3585	Shim .125 – Diff. Adjust.	A/R
*	72–3586	Shim .127 – Diff. Adjust.	A/R
*	72–3587	Shim .129 – Diff. Adjust.	A/R
*	72–3588	Shim .131 – Diff. Adjust.	A/R

*Not Illustrated

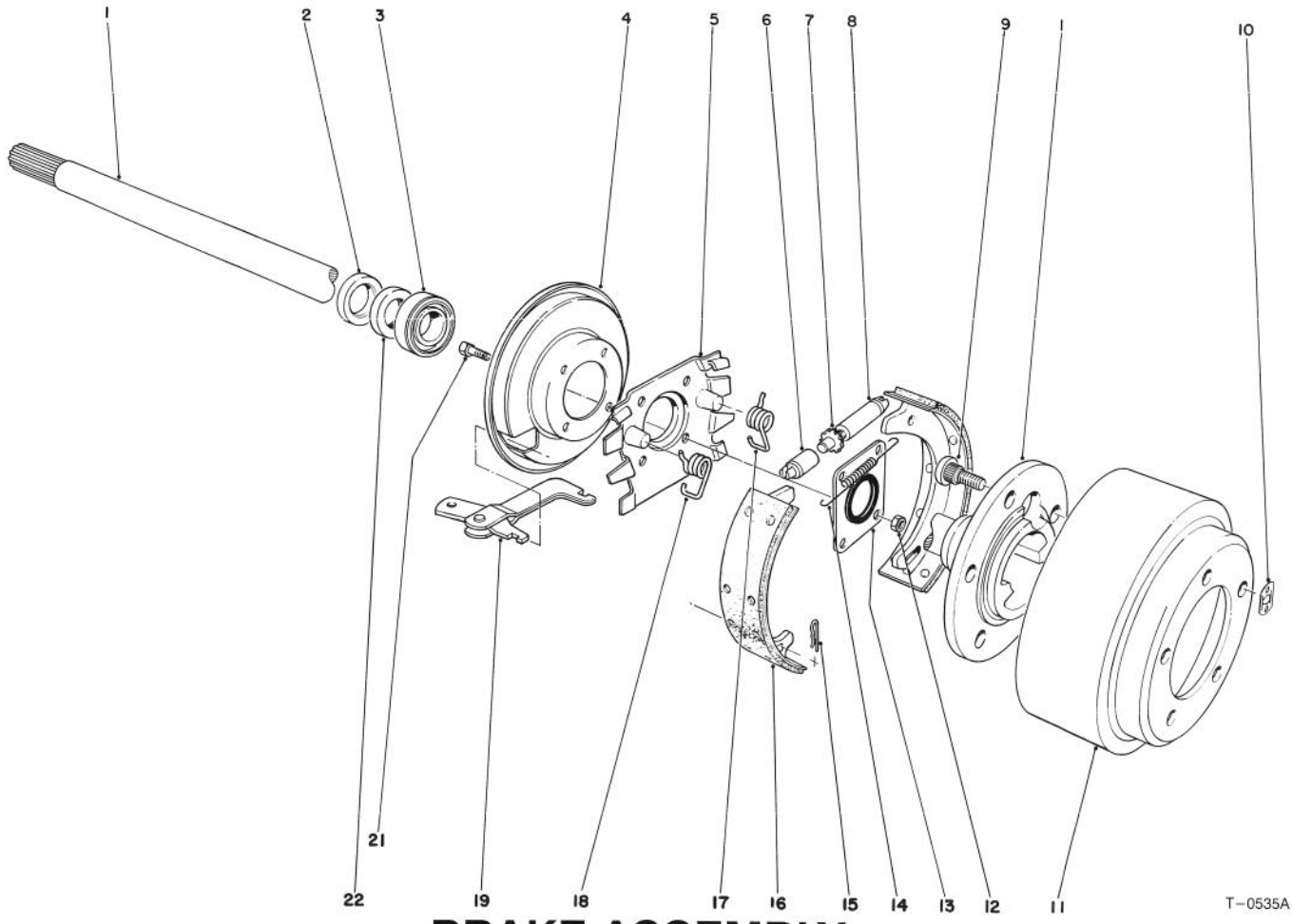


T–1691A

FRONT AXLE ASSEMBLY NO. 92–2377 (Continued)

Ref. No.	Part No.	Description	No. Used
28	72–3590	Shim .133 – Diff. Adjust.	A/R
*	72–3591	Shim .135 – Diff. Adjust.	A/R
*	72–3592	Shim .137 – Diff. Adjust.	A/R
*	72–3593	Shim .139 – Diff. Adjust.	A/R
*	72–3594	Shim .141 – Diff. Adjust.	A/R
*	72–3595	Shim .143 – Diff. Adjust.	A/R
*	72–3596	Shim .145 – Diff. Adjust.	A/R
*	72–3597	Shim .147 – Diff. Adjust.	A/R
*	72–3598	Shim .149 – Diff. Adjust.	A/R
*	72–3600	Shim .151 – Diff. Adjust.	A/R
29	21–8020	Spacer – Frt. Pinion Bearing	1
30	92–5088	Fitting – 45°	1
31	43–6750	Cup – Bearing	1
32	254–66	Cup – Bearing	2
33	254–65	Cone – Bearing	2
34	32121–15	Pin – Roll	1
35	21–8090	Differential Adjust. Shim. .003	A/R
36	21–8100	Differential Adjust. Shim. .005	A/R
37	21–8110	Differential Adjust. Shim. .010	A/R
38	21–8120	Differential Adjust. Shim. .030	A/R
39		Gear – Ring	1
40	72–9420	Vent Assembly	1
41	92–5083	Hose – Hydraulic	1
42	2412–34	Clamp – Hose	2
43	354–71	Pipe Nipple	1
44	77–0550	Tube – Fill	1
45	289–6	Nipple – Pipe	1
46	2810–1	Coupler	1
47	71–4350	Nut	1
48	71–4330	Seal	1
49	2412–119	Clamp – Hose	1
*	92–1676	Gear & Pinion Assembly (Incl. Ref. #12 & 39)	1
*	92–4907	Assembly – Diff. Carrier (Incl. Ref. #5–22, 24–29, 31–39 & 47–48)	1

*Not Illustrated

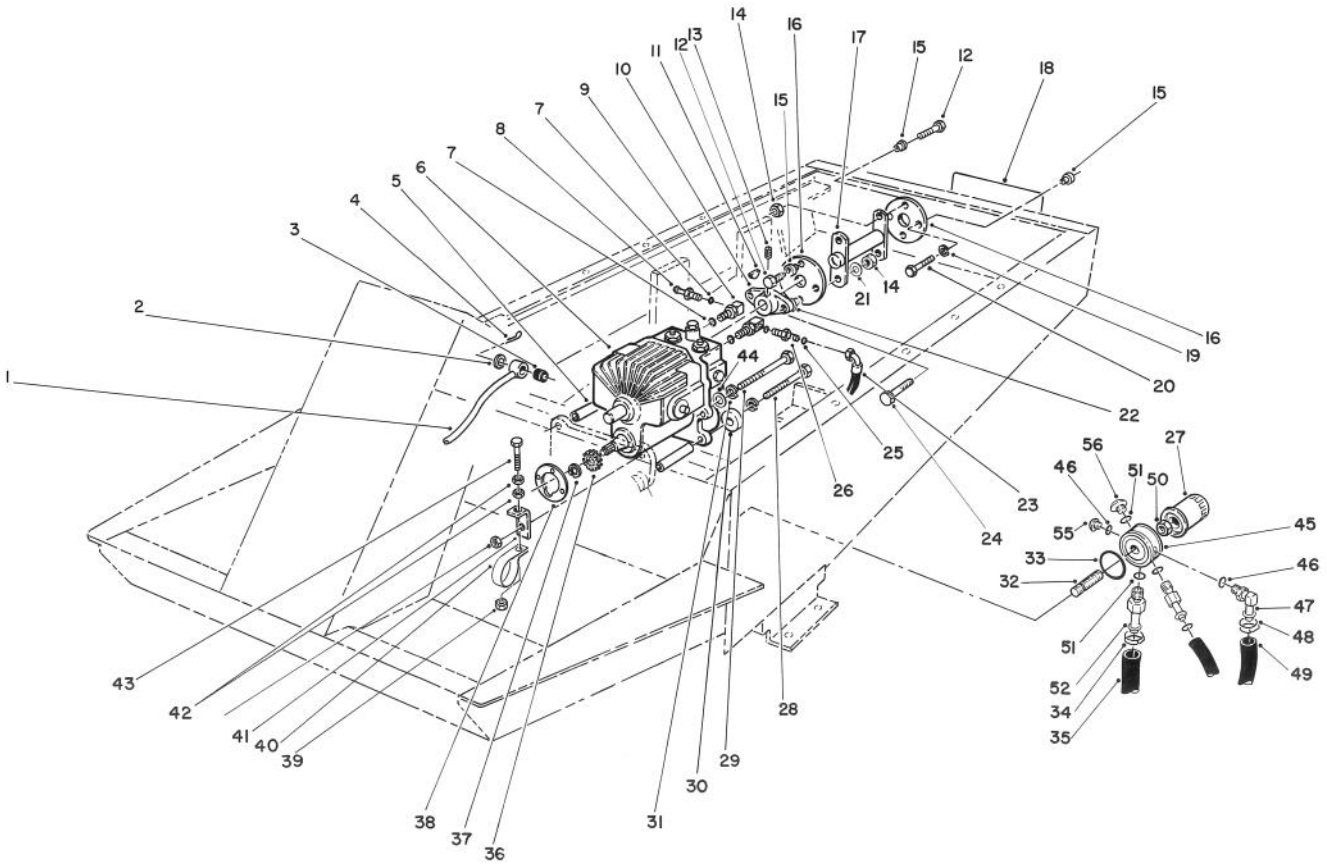


BRAKE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	27–6861	Shaft – Axle, Flanged LH	1
*	27–6851	Shaft – Axle, Flanged RH	1
2	92–1774	Oil Seal	2
3	21–8180	Bearing – Tapered Roller	2
4	21–9450	Dust Shield	2
5	43–6810	Torque Spider	2
6	21–9390	Socket – Adjusting Screw	2
7	21–9370	Adjusting Screw	2
8	21–9380	Nut – Pivot	2
9	242–34	Stud – Axle Flange	10
10	21–8360	Clip – Retaining	2
11	28–0680	Brake Drum	2

Ref. No.	Part No.	Description	No. Used
12	43–6800	Nut – Lock, Flange Hd.	8
13	28–0670	Oil Seal	2
14	21–9440	Screw – Spring Adjusting	2
15	21–9460	Retainer – Parking Brake	4
16	84–8600	Brake Shoe Set (Incl. 4 Shoes)	1
17	21–9420	Spring – Shoe Return RH	2
18	21–9430	Spring – Shoe Return LH	2
19	24–9180	Strut/Lever – Parking Brake	2
21	28–0660	Screw – Cap Hex. Hd.	8
22	24–8840	Ring – Wheel Bearing	2
*	92–8775	Kit – Gasket, Liquid	

*Not Illustrated

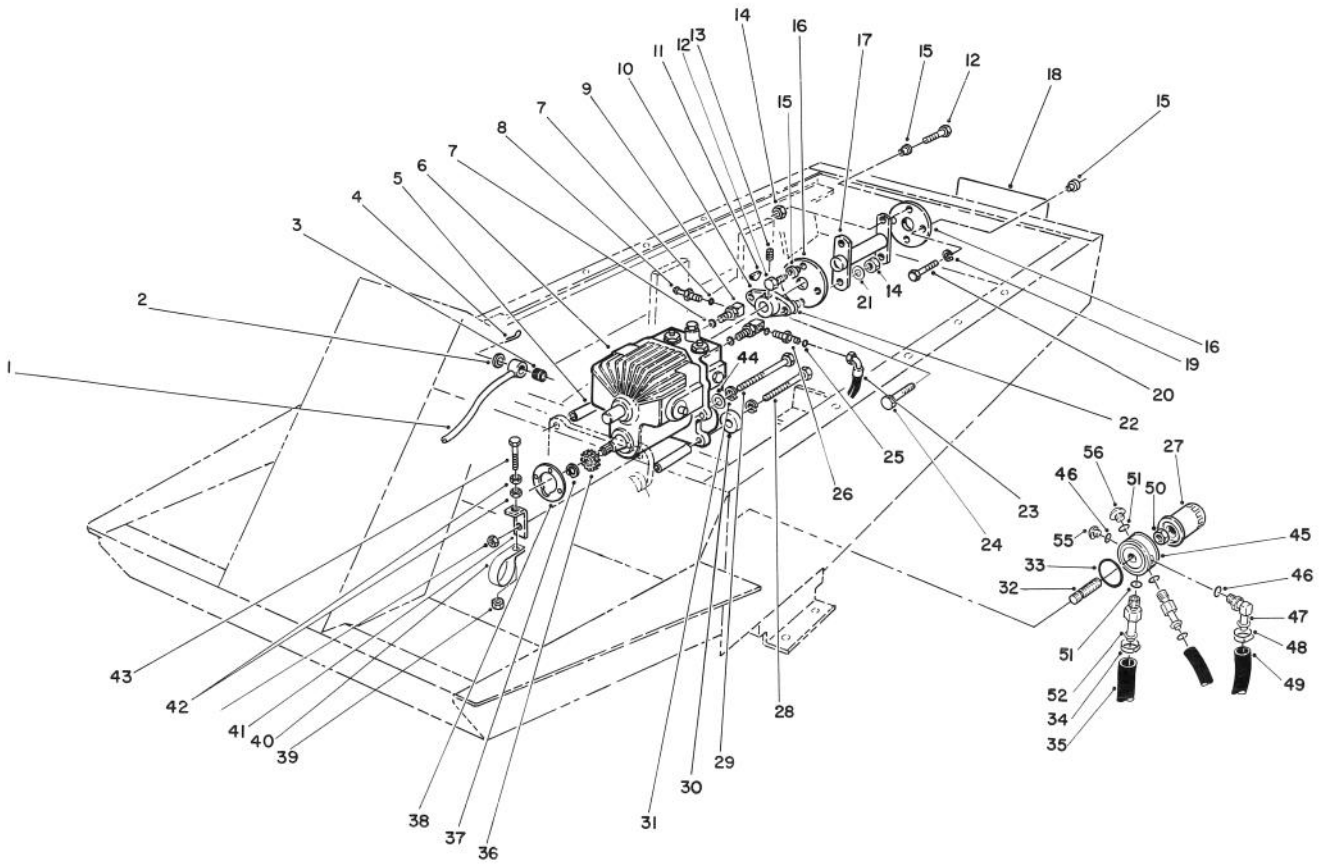


T–0605

TRANSMISSION & DRIVE COUPLING ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	92–5536	Tube – Traction Control	1
2	3256–26	Washer – Flat	1
3	23–2270	Bushing – Rubber	1
4	3272–10	Pin – Cotter	1
5	27–3680	Spacer – Mounting	4
6	92–5513	Transmission	1
7	237–42	O–Ring	4
8	353–979	Hose Barb	1
9	66–3110	Hyd. Fitting	2
10	27–4370	Hub – Pump	1
11	3257–5	Key – Woodruff	1
12	3210–5	Screw – Cap Hex. Hd.	4
13	3241–6	Screw – Set	2
14	32152–5	Nut – Lock	6
15	27–6600	Spacer – Rubber	6
16	44–2230	Coupling – Rubber	2
17	63–6610	Drive Shaft	1
18	62–7400	Decal – Toro	1
19	42–9850	Washer – Lock	2
20	48–9460	Screw – Cap Hex. Hd.	2
21	3256–71	Washer – Flat	2
22	27–6590	Spacer	2
23	66–8490	Hose Assembly	1
24	3210–8	Screw – Cap Hex. Hd.	2
25	237–22	O–Ring	1

Ref. No.	Part No.	Description	No. Used
26	82–8530	Fitting	1
27	23–2300	Oil Filter	1
28	323–39	Screw – Cap Hex. Hd.	3
29	27–9620	Screw – Cap Hex. Hd.	1
30	5–0652	Spacer	1
31	3253–21	Washer – Lock	4
32	92–5085	Union – Filter	1
33	92–5087	Seal – Filter Adapter	1
34	2412–108	Hose Clamp	4
35	92–5082	Hose	2
36	86–7220	Gear – Spur	1
37	936125	Ring – Retaining	1
38	27–3690	Gasket – Transmission	1
39	3296–39	Nut – Lock	2
40	2412–4	R–Clamp	1
41	63–7170	Anchor – Transmission	1
42	3218–3	Nut – Jam	2
43	67–1900	Screw – Cap Hex. Hd.	1
44	3256–24	Washer – Flat	1
45	92–5076	Adapter – Filter	1
46	237–79	Seal – O–Ring	2
47	92–5086	Fitting – Hydraulic 90° (Incl. Ref. #46)	1
48	2412–119	Clamp – Hose	1
49	92–5083	Hose – Hydraulic	1

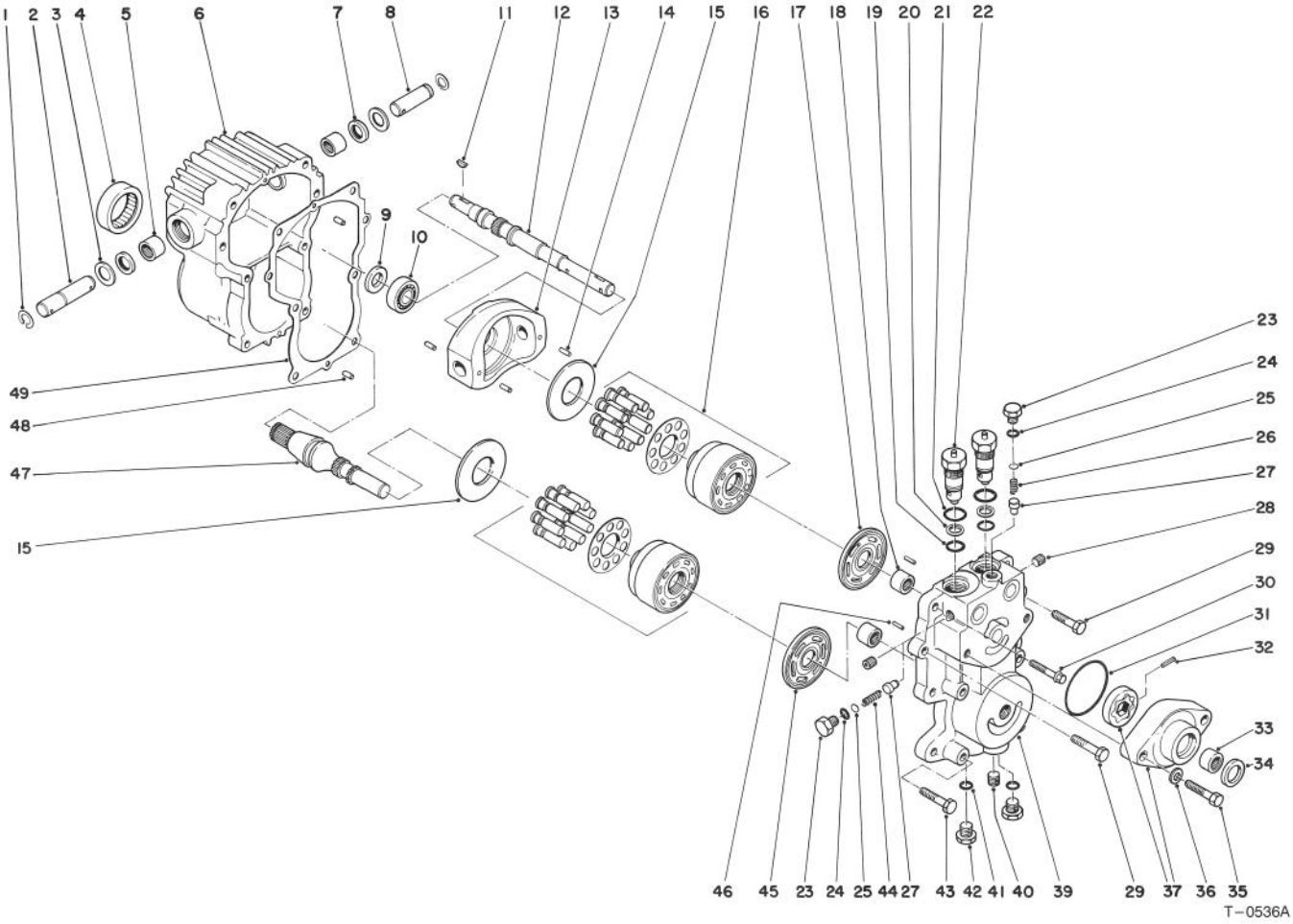


T–0605

TRANSMISSION & DRIVE COUPLING ASSEMBLY (Continued)

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

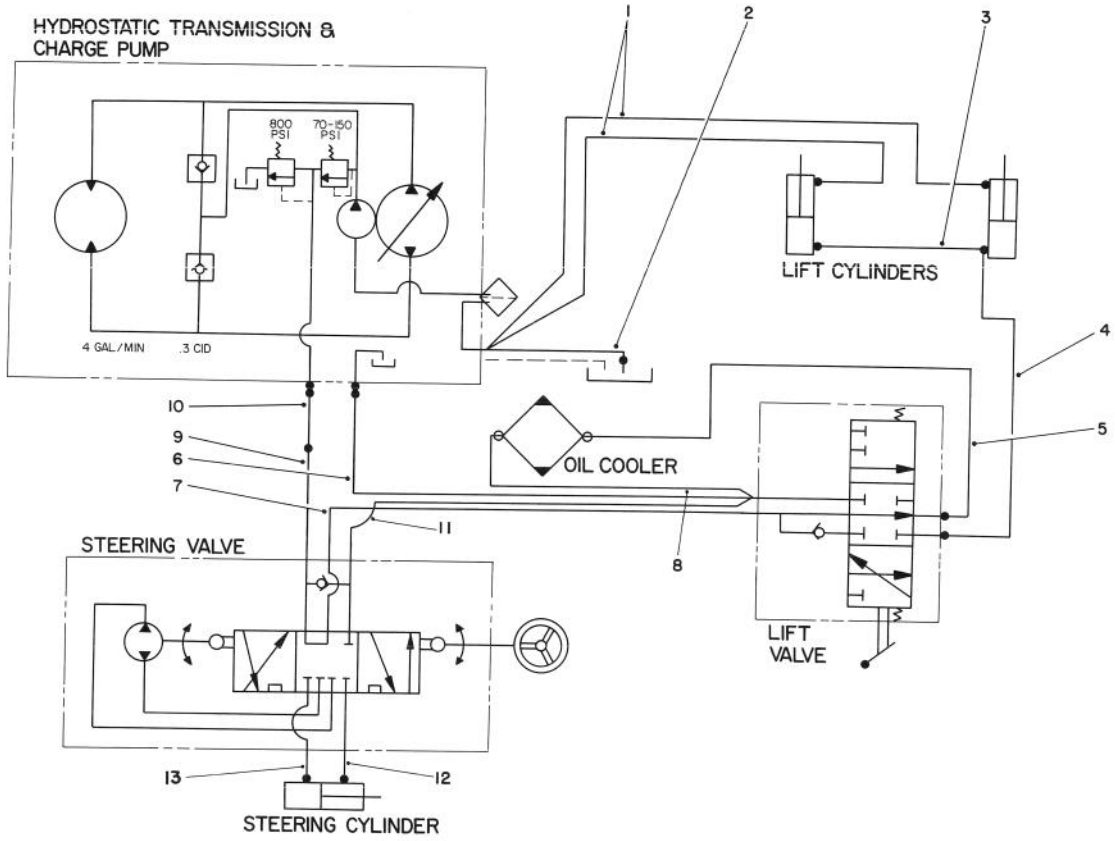
Ref. No.	Part No.	Description	No. Used
55	353–988	Plug – Hydraulic (Incl. Ref. #46)	1
56	353–990	Plug – Hydraulic (Incl. Ref. #51)	1



TRANSMISSION ASSEMBLY NO. 92–5513

Ref. No.	Part No.	Description	No. Used
1	32151–46	Ring – Retaining	2
2	25–2500	Shaft – Trunnion	1
3	25–2510	Washer	2
4	28–3300	Bearing – Roller	1
5	28–3310	Bearing – Needle	2
6	92–5709	Housing	1
7	25–3210	Lip Seal	2
8	28–3670	Shaft – Trunnion	1
9	93–4133	Lip Seal	1
10	28–3650	Bearing – Ball	1
11	3257–5	Key – Woodruff	2
12	28–3640	Shaft – Pump	1
13	49–7820	Variable Swashplate	1
14	32121–91	Pin	3
15	25–2380	Plate – Thrust	2
16	48–1800	Kit – Cylinder Block	2
17	46–7320	Plate – Pump Valve	1
18	25–3300	Bearing – Needle	2
19	28–3590	O–Ring	2
20	28–3580	Ring – Backup	2
21	28–3570	O–Ring	2
22	49–7830	Check Valve Assembly (Incl. Ref. #19–21)	2
23	25–2460	Hex Hd. Plug	2
24	28–3400	O–Ring	2
25	25–2470	Shim Pack	A/R

Ref. No.	Part No.	Description	No. Used
26	46–7310	Relief Valve Spring Imp.	1
27	28–3420	Relief Valve Cone Charge	2
28	285–17	Plug – Pipe	4
29	323–8	Screw – Cap Hex. Hd.	2
30	28–3530	Screw – Cap Hex. Hd.	2
31	28–3520	O–Ring	1
32	38–2680	Pin	1
33	28–3480	Bearing – Needle	1
34	28–3470	Lip Seal	1
35	324–23	Screw – Cap Hex. Hd.	2
36	28–3450	Washer – Flat	2
37	38–2670	Kit – Charge Pump (Incl. Ref. #31–34)	1
39	92–5716	Center Section	1
40	92–5717	Plug – Pipe	1
41		O–Ring	2
42	28–3440	Threaded Plug (Incl. Ref. #41)	2
43	323–10	Screw – Cap Hex. Hd.	4
44	25–2480	Relief Valve Spring Charge	1
45	28–3380	Plate – Motor Valve	1
46	25–2430	Pin	2
47	49–8200	Shaft – Motor	1
48	28–3350	Pin	2
49	28–3340	Gasket	1

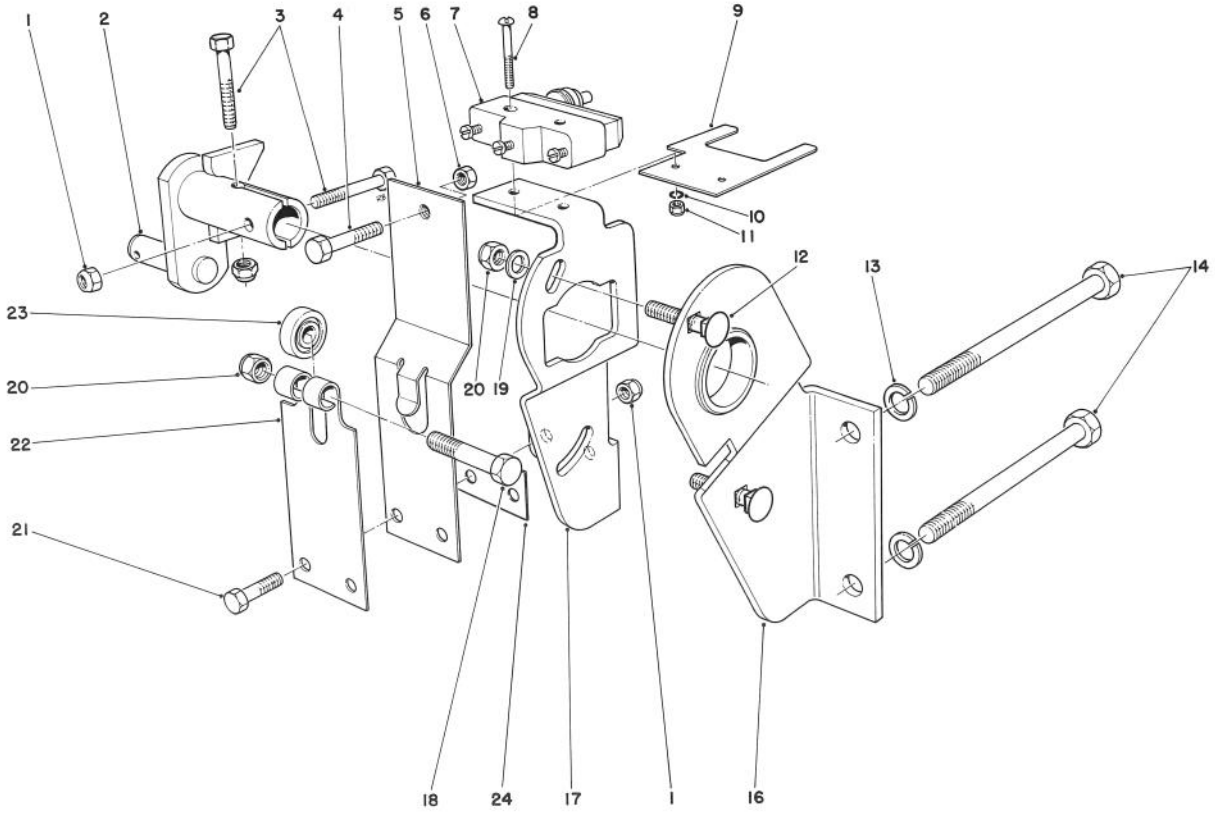


T–0537

HYDRAULIC SCHEMATIC

Ref. No.	Part No.	Description	No. Used
1	92–5082	Hose – Hydraulic	2
2	92–5083	Hose – Hydraulic	1
3	66–8190	Hose – Hydraulic	1
4	66–8640	Hose – Hydraulic	1
5	66–8180	Hose – Hydraulic	1
6	66–8150	Hose – Hydraulic	1
7	66–8630	Tube – Hydraulic	1

Ref. No.	Part No.	Description	No. Used
8	66–8500	Hose – Hydraulic	1
9	66–8620	Tube – Hydraulic	1
10	66–8490	Hose – Hydraulic	1
11	66–8140	Hose – Hydraulic	1
12	92–5080	Hose – Hydraulic	1
13	92–5081	Hose – Hydraulic	1

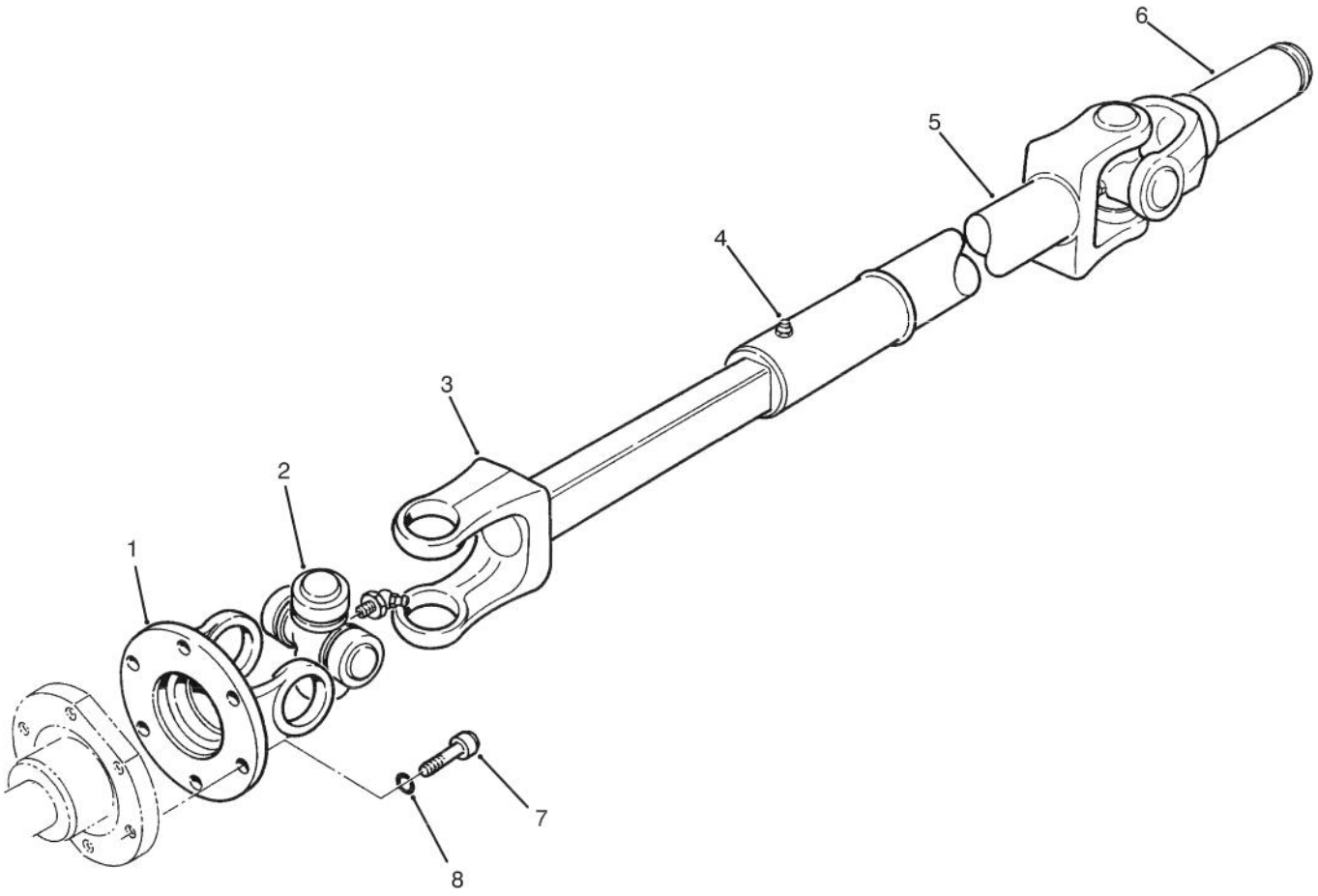


T–0538

TRANSMISSION INTERLOCK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3296–42	Nut – Lock	4
2	29–9790	Pump – Lever	1
3	321–9	Screw – Cap Hex. Hd.	2
4	3210–7	Screw – Cap Hex. Hd.	1
5	29–6170	Spring – Extended Leaf	1
6	3219–2	Nut – Hex.	1
7	29–6162	Micro Switch	1
8	3249–11	Screw – Round Hd.	2
9	46–8810	Stop – Leaf Spring	1
10	3254–9	Washer – Lock I.T.L.W.	2
11	3217–16	Nut – Hex.	2
12	3230–2	Carriage – Bolt	2

Ref. No.	Part No.	Description	No. Used
13	3253–21	Washer – Lock	2
14	323–39	Screw – Cap Hex. Hd.	2
16	52–8890	Bracket – Mounting	2
17	52–9070	Plate – Pump	1
18	322–17	Screw – Cap Hex. Hd.	1
19	3256–23	Washer – Flat	2
20	3296–29	Nut – Lock	3
21	321–4	Screw – Cap Hex. Hd.	2
22	29–6150	Spring – Leaf	1
23	251–259	Bearing – Ball	1
24	51–3150	Shim	1



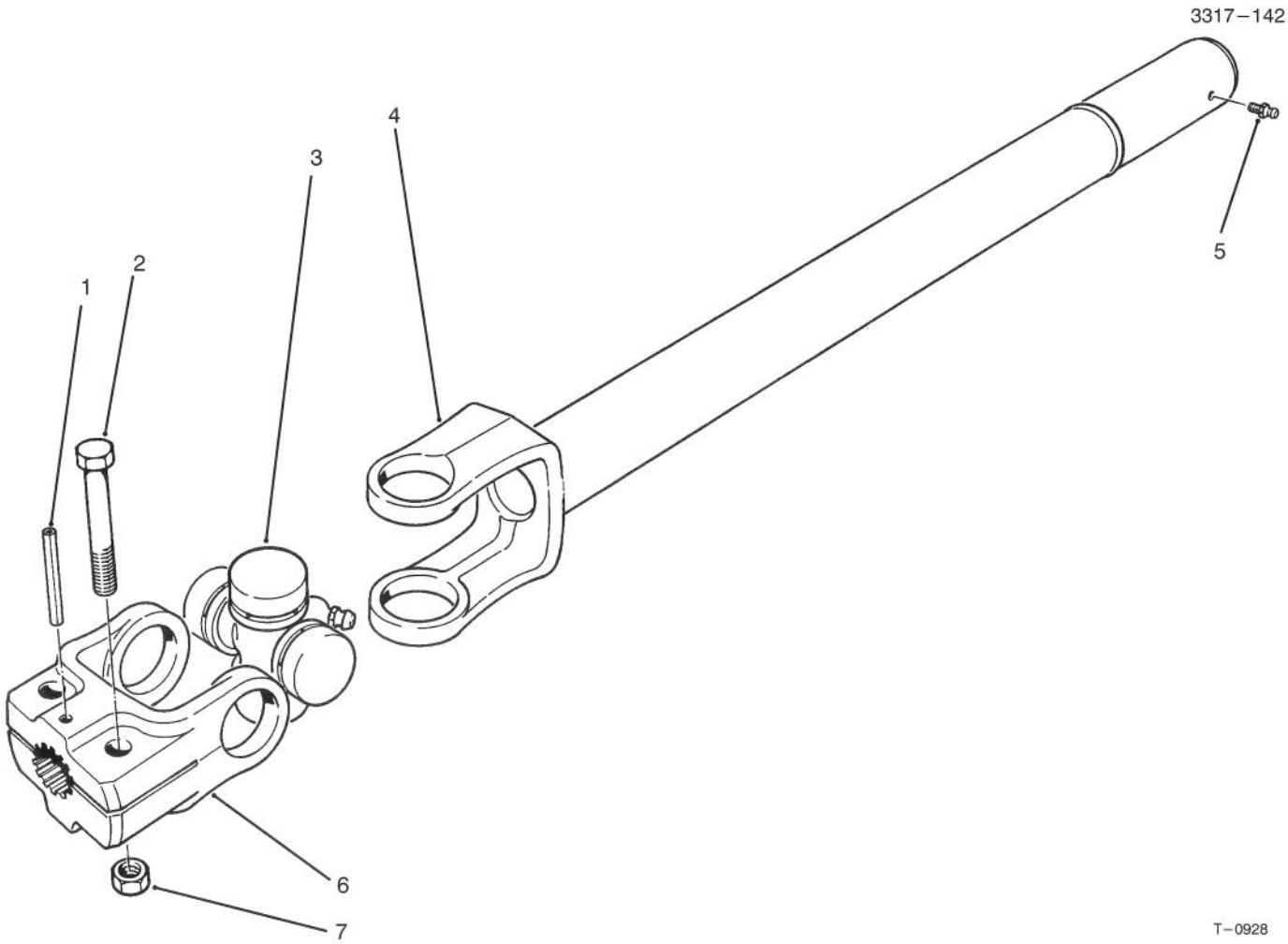
T–0906

DRIVE SHAFT ASSEMBLY NO. 92–5084

Ref. No.	Part No.	Description	No. Used
1	72–3410	Yoke – Flange	1
2	54–9180	Kit – Universal Joint	2
3	72–3420	Shaft – Yoke, Slip	1
4	302–58	Fitting – Grease	1
5	92–5784	Tube – Yoke, Slip	1

Ref. No.	Part No.	Description	No. Used
6	72–3440	Yoke – Shaft	1
7	3274–64	Screw – Cap, Soc. Hd.	6
8	3253–3	Washer – Lock	6
*	92–5084	Driveshaft (Complete)	1

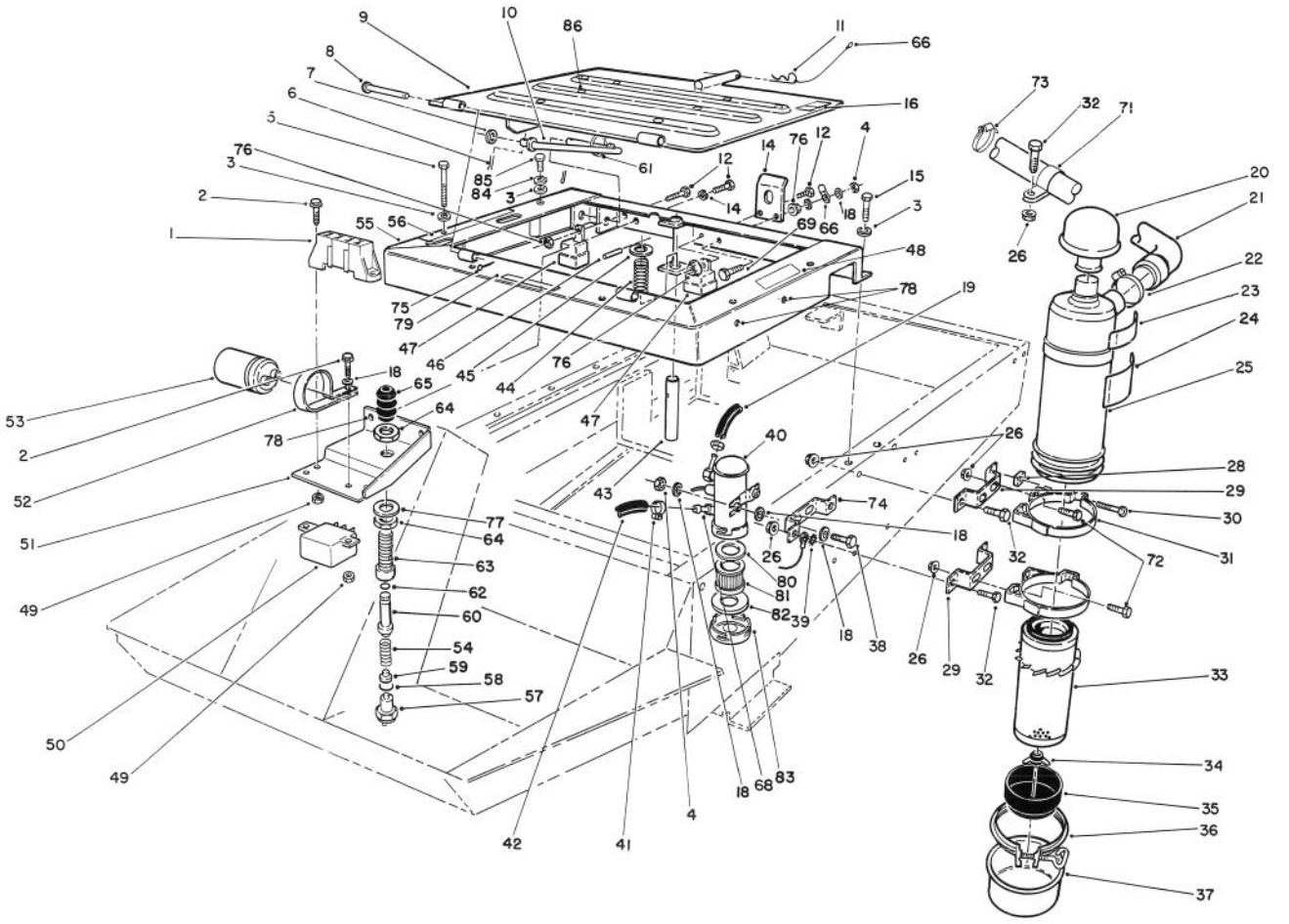
*Not Illustrated



FULL TIME 4WD DRIVE SHAFT ASSY. NO. 92–9075 (Opt.)

Ref. No.	Part No.	Description	No. Used
1	32121–34	Pin – Roll	1
2	323–9	Screw – Cap Hex. Hd.	2
3	54–9180	Kit – Joint, Universal	1
4	92–8938	Tube – Yoke, Half–Slip	1

Ref. No.	Part No.	Description	No. Used
5	302–58	Fitting – Grease	
6	72–3450	Yoke – Flange, Split	1
7	32153–2	Nut – Lock	2

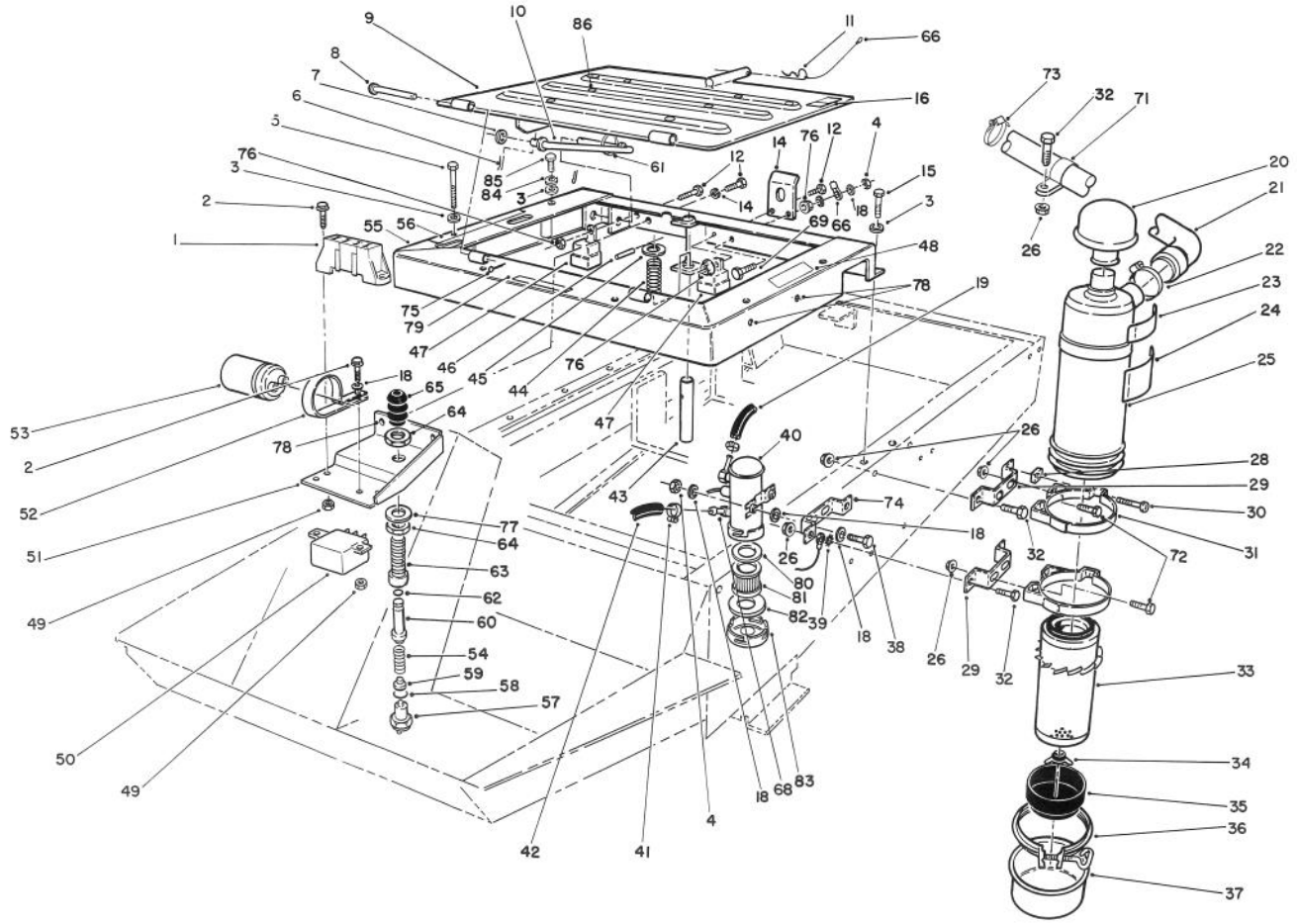


T–1818

SEAT FRAME & AIR CLEANER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67–7160	Fuse Block	1
2	32105–13	Screw – Cap Hex. Hd.	4
3	3256–23	Washer – Flat	6
4	3296–42	Nut – Lock	3
5	322–13	Screw – Cap Hex. Hd.	4
6	3272–11	Pin – Cotter	2
7	3256–24	Washer – Flat	1
8	283–49	Pin – Clevis	2
9	92–5759	Plate – Seat (Incl. Ref. #86)	1
10	66–2800	Rod – Seat Support	1
11	3290–255	Pin – Hair, Cotter	1
12	321–4	Screw – Cap Hex. Hd.	4
13	3253–3	Washer – Lock	2
14	66–2630	Latch – Seat	1
15	3234–17	Screw – Flange Hd.	2
16	52–1321	Decal – Diesel Fuel Only	1
18	3256–22	Washer – Flat	9
19	63–7620	Hose	1
20	27–7180	Cap Assembly	1
21	63–6040	Hose – Air Cleaner Inlet	1
22	2412–42	Clamp – Hose	1
23	83–9150	Decal – Starting Fluid	1
24	27–7160	Decal – Instructions	1
25	27–7100	Air Cleaner Assembly (Incl. Ref. #24 & 32–36)	1

Ref. No.	Part No.	Description	No. Used
26	32128–20	Nut – Flange	9
28	32107–11	Nut – Square	2
29	66–2451	Bracket – Air Cleaner	2
30	3258–19	Screw – Cap Hex. Hd.	2
31	27–7170	Mounting Band Assembly (Incl. Ref. #28 & 30)	2
32	322–5	Screw – Cap Hex. Hd.	5
33	27–7110	Element Assembly	1
34	27–7120	Nut & Gasket Assembly	1
35	27–7140	Skirt – Baffle	1
36	27–7130	Clamp Assembly	1
37	27–7150	Cup Assembly	1
38	321–8	Screw – Cap Hex. Hd.	2
39	3255–8	Washer – Lock, Ext. Tooth	1
40	53–8150	Pump – Fuel	1
41	2412–108	Clamp – Hose	4
42	63–7630	Hose	1
43	66–2590	Pin – Seat Spring	1
44	37–9590	Spring – Compression	1
45	3256–27	Washer – Flat	1
46	32121–6	Pin – Roll	1
47	63–7590	Relay	2
48	67–1710	Decal – Interlock	1
49	3296–12	Nut – Lock	4
50	66–8800	Relay	1
51	92–7892	Bracket – Switch, Seat	1



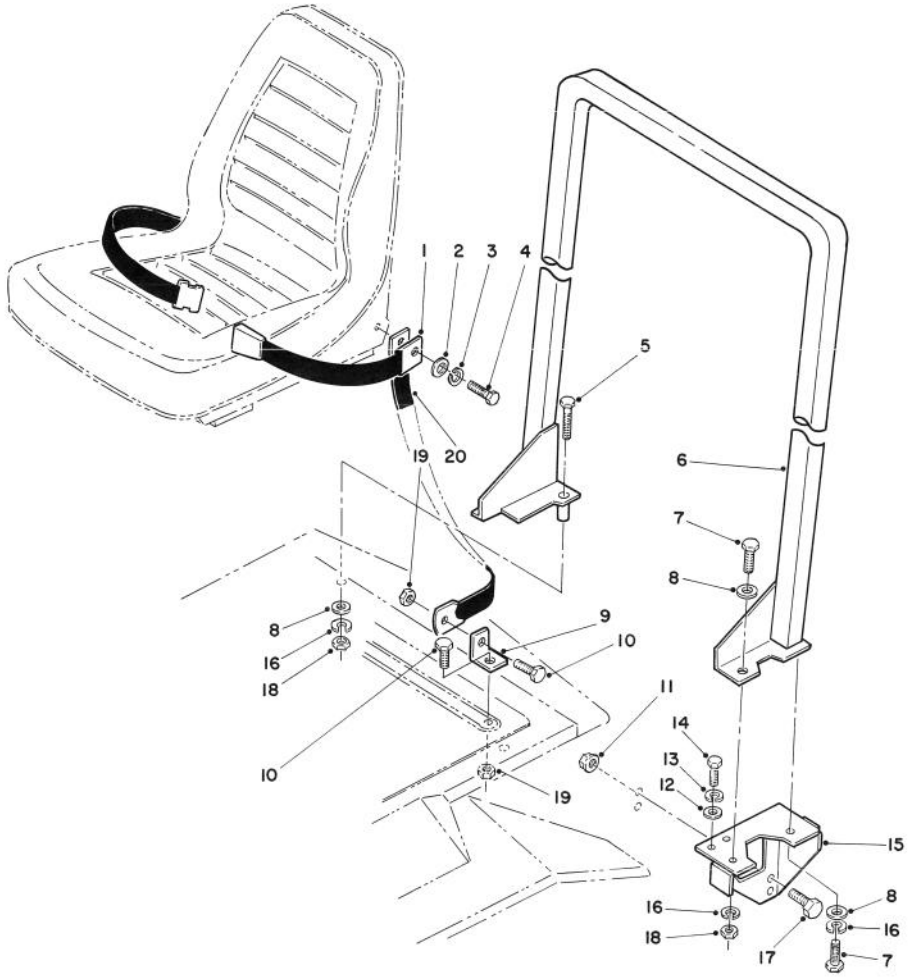
T–1818

SEAT FRAME & AIR CLEANER ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
52	2412–74	R–Clamp	1
53	37–2690	Capacitor	1
54	43–8600	Spring – Compression	1
55	92–8877	Seat Frame Assembly (Incl. Ref. #48, 56, 78 & 79)	1
56	66–8750	Decal – Control Levers	1
57	72–4320	Switch	1
58	237–30	O–Ring	1
59	43–8610	Guide – Spring & Ball Seat	1
60	43–8860	Plunger – Switch	1
61	3290–378	Tie – Cable	1
62	237–7	O–Ring	1
63	43–8620	Guide – Switch Pin	1
64	218–461	Nut – Jam	2
65	43–8870	Boot – Switch	1
66	28–8070	Lanyard	1
68	67–1690	Fitting	2
69	321–6	Screw – Cap Hex. Hd.	1
71	2412–107	R–Clamp	1

Ref. No.	Part No.	Description	No. Used
72	322–3	Screw – Cap Hex. Hd.	4
73	2412–92	Clamp – Hose	1
74	66–2450	Bracket – Air Cleaner	1
75	3272–4	Pin – Cotter	2
76	32128–33	Nut – Hex. Flange	3
77	3256–69	Washer – Flat	1
78	32148–6	Nut – Clinch	6
79	92–5773	Decal – Starting Instructions	1
80	43–2570	Gasket	1
81	43–2550	Filter	1
82	43–2560	Gasket	1
83	43–2580	Magnet	1
84	3253–4	Washer – Lock	2
85	322–14	Screw – Cap Hex. Hd.	2
86	32148–9	Nut – Clinch	2
*	43–9071	Switch – Seat (Incl. Ref. #54, 57–60 & 62–65)	1

*Not Illustrated



R.O.P.S. ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	72–9390	Seat Belt Assembly	1
2	3256–25	Washer – Flat	2
3	3253–6	Washer – Lock	2
4	3212–4	Screw – Cap Hex. Hd.	2
5	325–14	Screw – Cap Hex. Hd.	2
6	92–5518	Frame – R.O.P.S.	1
7	325–5	Screw – Cap Hex. Hd.	4
8	3256–26	Washer – Flat	6
9	92–5515	Bracket – Tie Down	2
10	324–4	Screw – Cap Hex. Hd.	4
11	32128–23	Nut – Flange Lock	4

Ref. No.	Part No.	Description	No. Used
12	3256–23	Washer – Flat	2
13	3253–4	Washer – Lock	2
14	322–14	Screw – Cap Hex. Hd.	2
15	92–5517	Bracket – R.O.P.S. LH	1
*	92–5516	Bracket – R.O.P.S. RH	1
16	3253–7	Washer – Lock	6
17	325–9	Screw – Cap Hex. Hd.	4
18	3217–9	Nut – Lock	4
19	3296–48	Nut – Lock	4
20	92–5521	Strap – Tie Down	2

*Not Illustrated

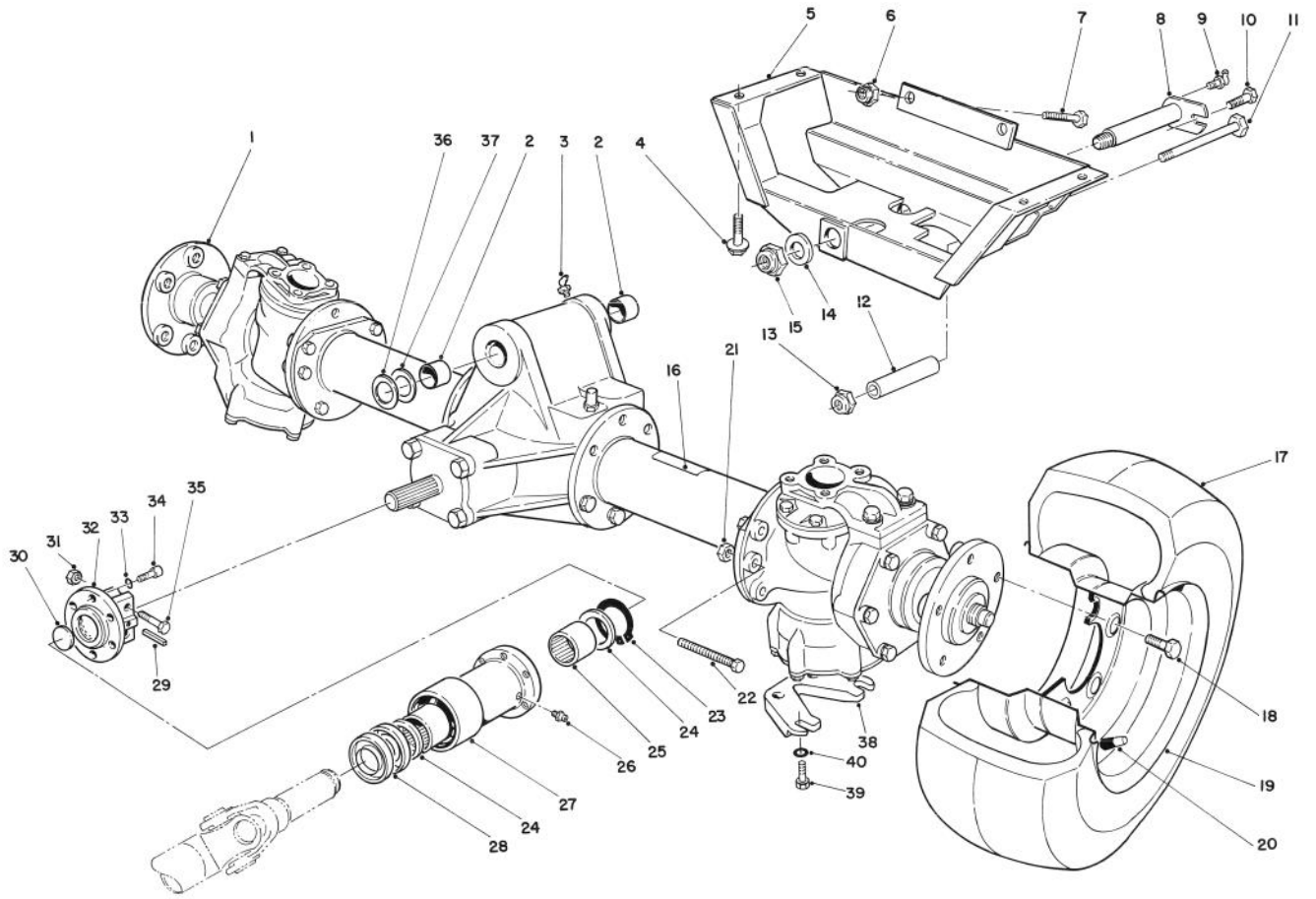


T–1692

MANUAL STORAGE ASSEMBLY

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

Ref. No.	Part No.	Description	No. Used
3	322–5	Screw – Cap Hex. Hd.	2
4	3256–23	Washer – Flat	2

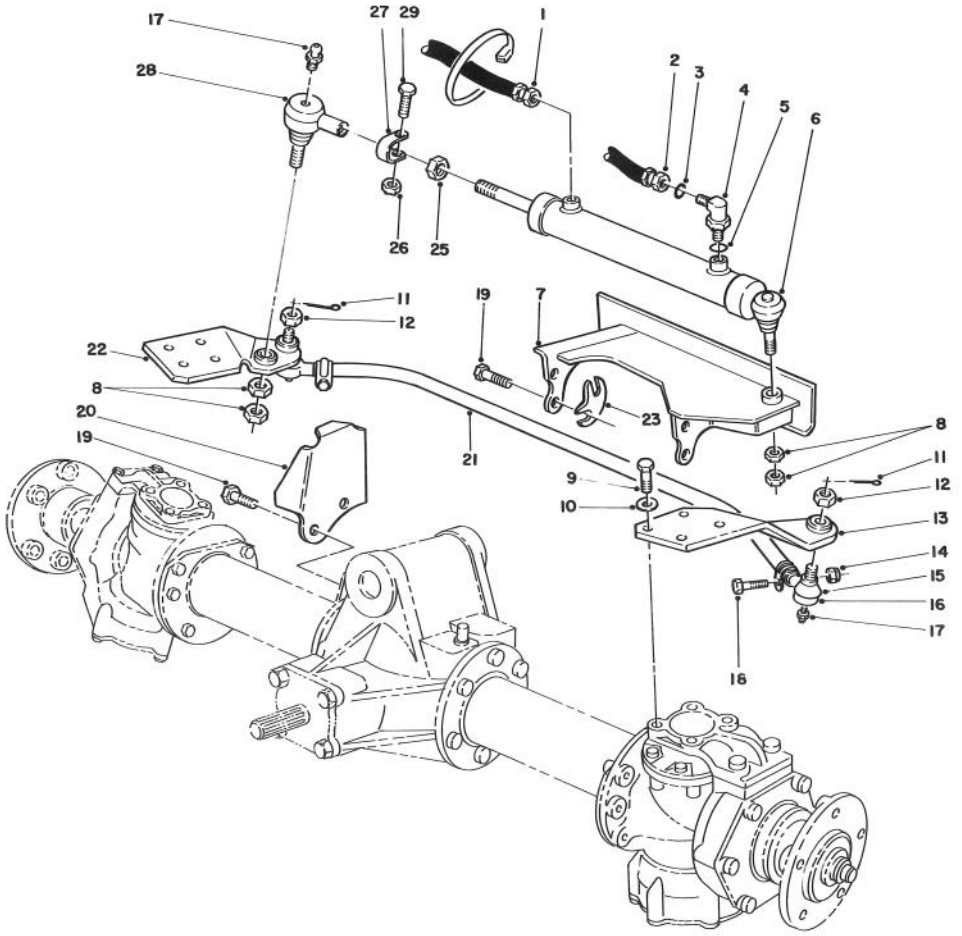


T–1689B

REAR AXLE INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	68–6824	Rear Axle Assembly	1
2	67–1750	Bushing	2
3	302–59	Plug – Grease	1
4	3234–25	Screw – Flange	4
5	92–5053	Frame – Rear	1
6	3296–25	Nut – Lock	2
7	325–5	Screw – Cap Hex. Hd.	2
8	92–5050	Pin – Rear Axle	1
9	302–33	Fitting – Grease 90°	1
10	32144–14	Screw – Cap Hex. Hd.	1
11	325–23	Screw – Cap Hex. Hd.	1
12	92–5090	Stop – Rear Axle	1
13	3296–45	Nut – Lock	1
14	71–4540	Washer	1
15	3296–51	Nut – Lock	1
16	70–2560	Decal – Lube	1
17	231–122	Tire	2
18	71–4450	Bolt – Wheel	10
19	217–106	Wheel	2
20	232–27	Stem – Valve	2

Ref. No.	Part No.	Description	No. Used
21	48–7960	Nut	2
22	71–4690	Screw – Cap Hex. Hd.	2
23	32151–87	Ring – Retaining	1
24	71–4590	Washer – Thrust	2
25	71–4580	Clutch – Roller	2
26	302–5	Fitting – Grease	1
27	71–4570	Housing – Clutch	1
28	253–155	Seal	2
29	32121–34	Pin – Roll	1
30	284–3	Plug – Welch	1
31	3296–29	Nut – Lock	2
32	76–4690	Coupling – Axle	1
33	3253–3	Washer – Lock	6
34	3274–64	Screw – Cap Hex. Hd.	6
35	322–8	Screw – Cap Hex. Hd.	2
36	56–2460	Washer – Flat	A/R
37	5–1226	Washer	A/R
38	93–1395	Plate – Skid	2
39	48–7730	Screw – Cap Hex. Hd.	4
40	3256–23	Washer – Flat	4



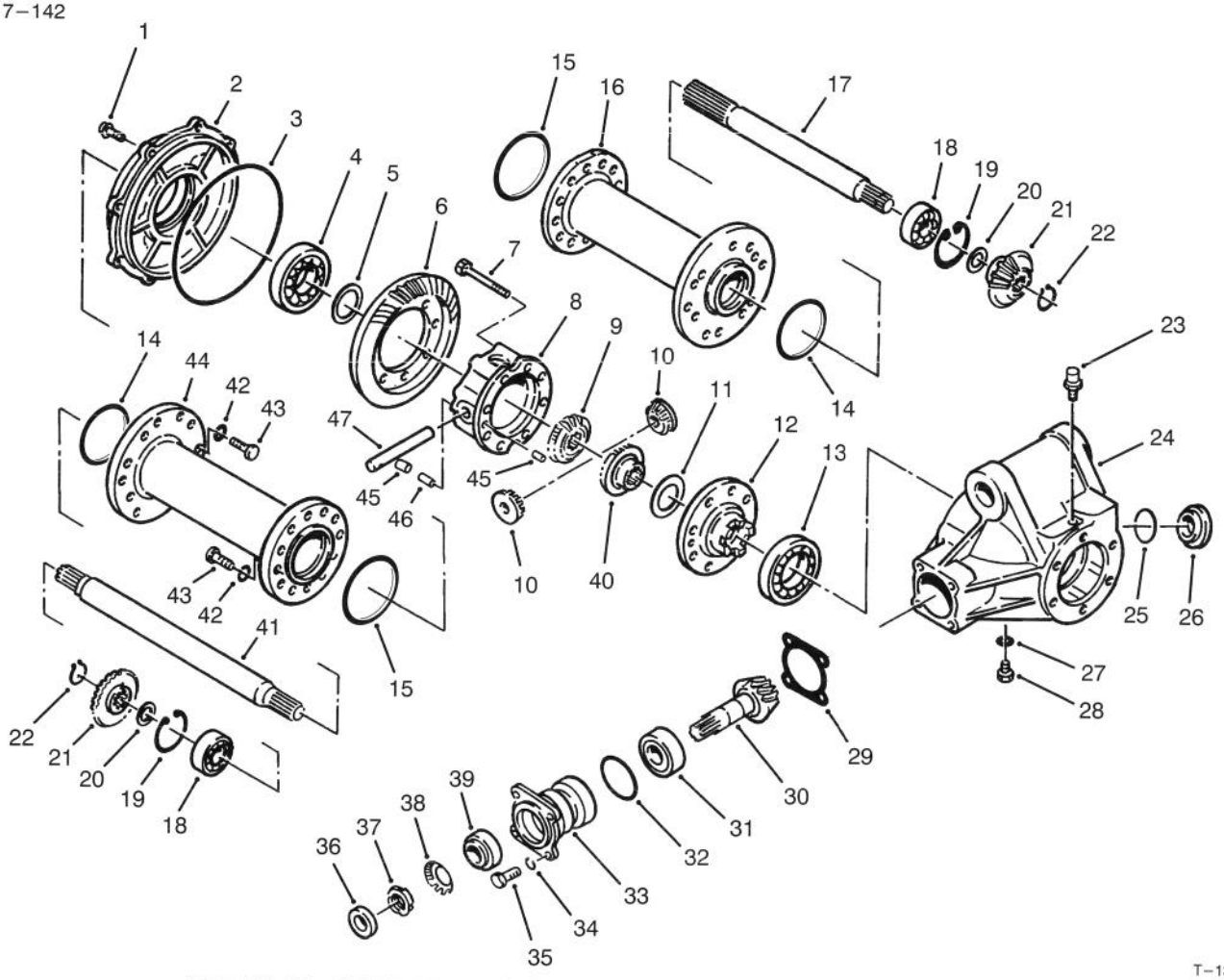
T–1693A

STEERING LINKAGE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	92–5080	Hose – Hydraulic	1
2	92–5081	Hose – Hydraulic	1
3	237–21	Seal – O–Ring	2
4	340–132	Fitting – Hydraulic 90° (Incl. Ref. #3 & 5)	2
5	237–78	Seal – O–Ring	2
6	92–5529	Hydraulic Cylinder Assembly	1
7	92–5061	Support – Cylinder	1
8	3220–11	Nut – Jam	4
9	48–7780	Screw – Cap Hex. Hd.	8
10	48–9220	Washer – Flat	8
11	3272–11	Pin – Cotter	2
12	32136–13	Nut – Slotted	2
13	92–5067	Arm – Steering LH	1
14	3296–39	Nut – Lock	2
15	71–4760	Seal – Rod	2
16	2411–45	Rod End (Incl. Ref. #12, 15 & 17)	2

Ref. No.	Part No.	Description	No. Used
17	302–55	Fitting – Grease	3
18	323–9	Screw – Cap, Hex. Hd.	2
19	3215–3	Screw	6
20	92–5511	Stop – Oscillation	2
21	71–4750	Tube & Clamp Assembly	1
*	71–4530	Tie Rod Assembly (Incl. Ref.#12, 14, 15, 16, 17, 18 & 21)	1
22	92–5070	Arm – Steering RH	1
23	83–5180	Shim – Axle	A/R
25	3220–5	Nut – Jam	1
26	3296–4	Nut – Lock	1
27		Clamp – Rod End	1
28	92–5072	Rod End Assembly (Incl. Ref.#17, 26 & 29)	1
29	3210–7	Screw – Cap Hex. Hd.	1

3317–142

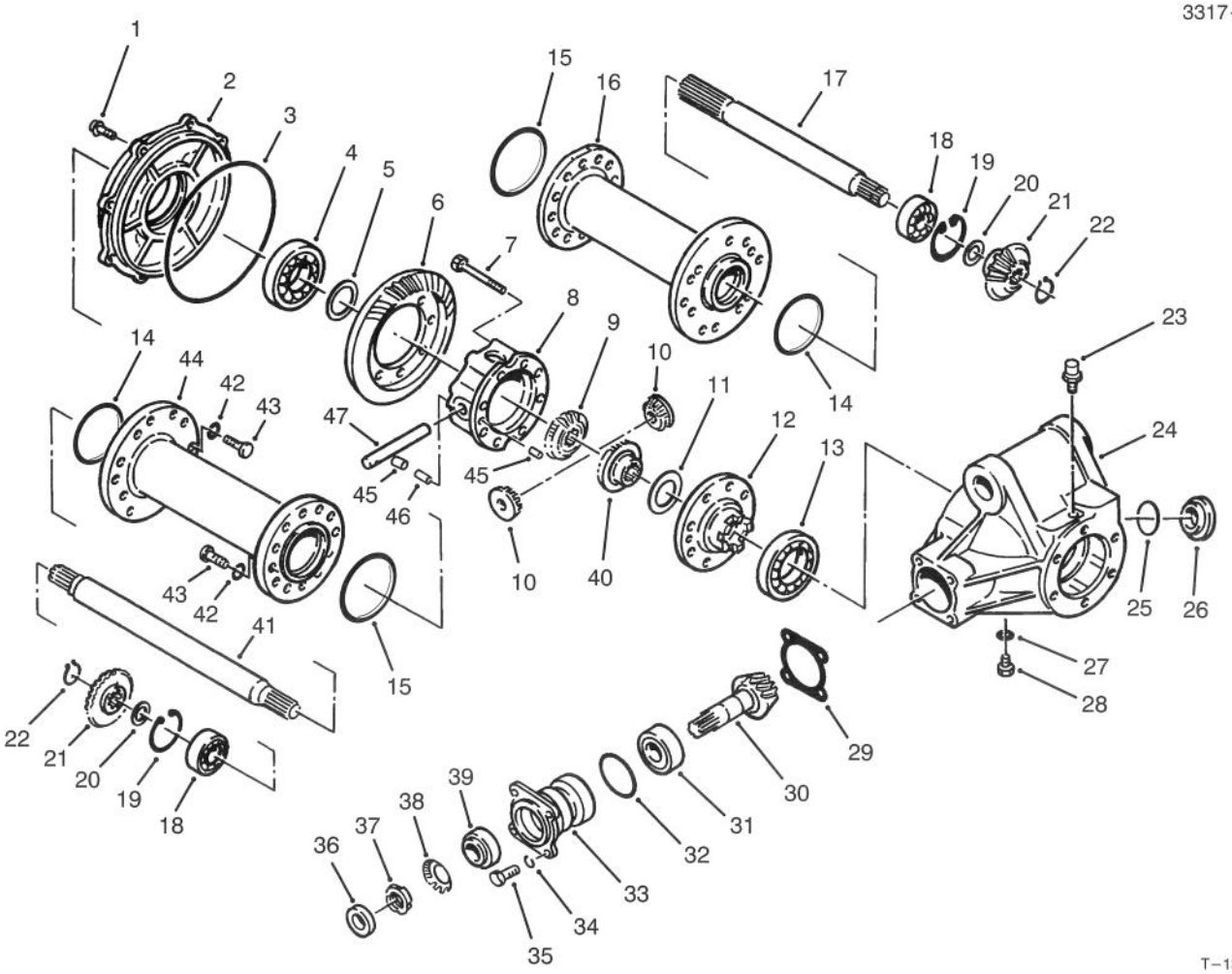


T–1305A

REAR AXLE ASSEMBLY NO. 68–6824

Ref. No.	Part No.	Description	No. Used
1	72–5800	Bolt	8
2	72–4880	Cover	1
3	72–4890	O–Ring	1
4	251–344	Bearing – Ball	1
5	72–4960	Shim .1 mm	1
*	72–4970	Shim .15 mm	1
*	72–4980	Shim .5 mm	1
*	72–4990	Shim .8 mm	1
*	72–5000	Shim 1.0 mm	1
*	72–5010	Shim 1.2 mm	1
6		Gear – Bevel	1
7	72–5810	Bolt	8
8	72–4900	Case – Differential	1
9	72–4930	Gear – Side	1
10	72–4950	Gear – Pinion	2
11	72–5040	Washer – Gear	1
12	72–4910	Flange – Case	1
13	251–345	Bearing – Ball	1
14	93–3664	Seal – O–Ring	2
15	93–3665	Seal – O–Ring	2
16	72–5050	Tube – Axle RH	1
17	72–5060	Axle – RH	1
18	251–350	Bearing – Ball	2
19	72–5360	Ring – Retaining	2
20	72–5100	Spacer	2

Ref. No.	Part No.	Description	No. Used
21	72–5090	Gear – Bevel	2
22	72–5370	Ring – Retaining	2
23	72–5130	Vent	1
24	72–4870	Case – Differential	1
25	72–5140	O–Ring	1
26	72–5150	Plug	1
27	72–5840	Gasket	1
28	72–5820	Plug	1
29	72–5160	Shim .1mm	1
*	72–5170	Shim .15 mm	1
*	72–5180	Shim .5 mm	1
*	72–5190	Shim .8 mm	1
*	72–5200	Shim 1.0 mm	1
*	72–5210	Shim 1.2 mm	1
30		Gear – Pinion	1
31	254–108	Bearing – Tapered Roller	1
32	72–5460	O–Ring	1
33	83–5350	Case – Bearing	1
34	42–9850	Washer – Lock M8	8
35	48–9460	Bolt – Hex. Hd.	4
36	83–5360	Seal – Oil	1
37	83–5340	Nut – Bearing	1
38	83–5330	Washer – Bearing	1
39	254–109	Bearing – Tapered Roller	1
40	72–4940	Gear – Side	1



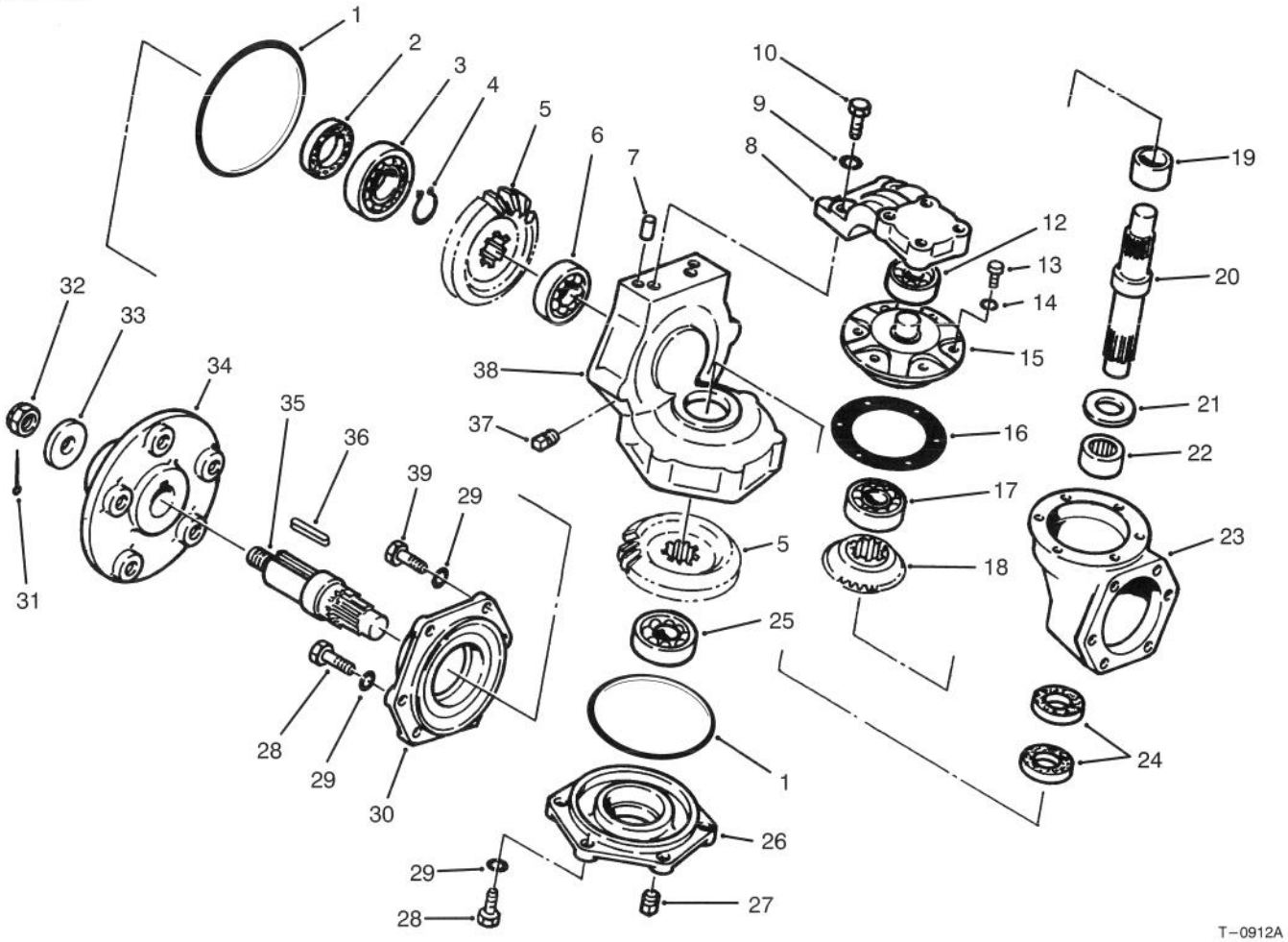
T–1305A

REAR AXLE ASSEMBLY NO. 68–6824 (Continued)

Ref. No.	Part No.	Description	No. Used
41	72–5120	Axle – LH	1
42	42–9600	Washer – Lock M10	24
43	48–9470	Bolt – M10 x 30	24
44	72–5110	Tube – Axle LH	1
45	72–5030	Pin – Dowel	2

Ref. No.	Part No.	Description	No. Used
46	72–5440	Pin –Spring	1
47	72–5020	Shaft – Pinion	1
*	77–2970	Ring & Pinion Assembly (Incl. Ref.#6 & 30)	1

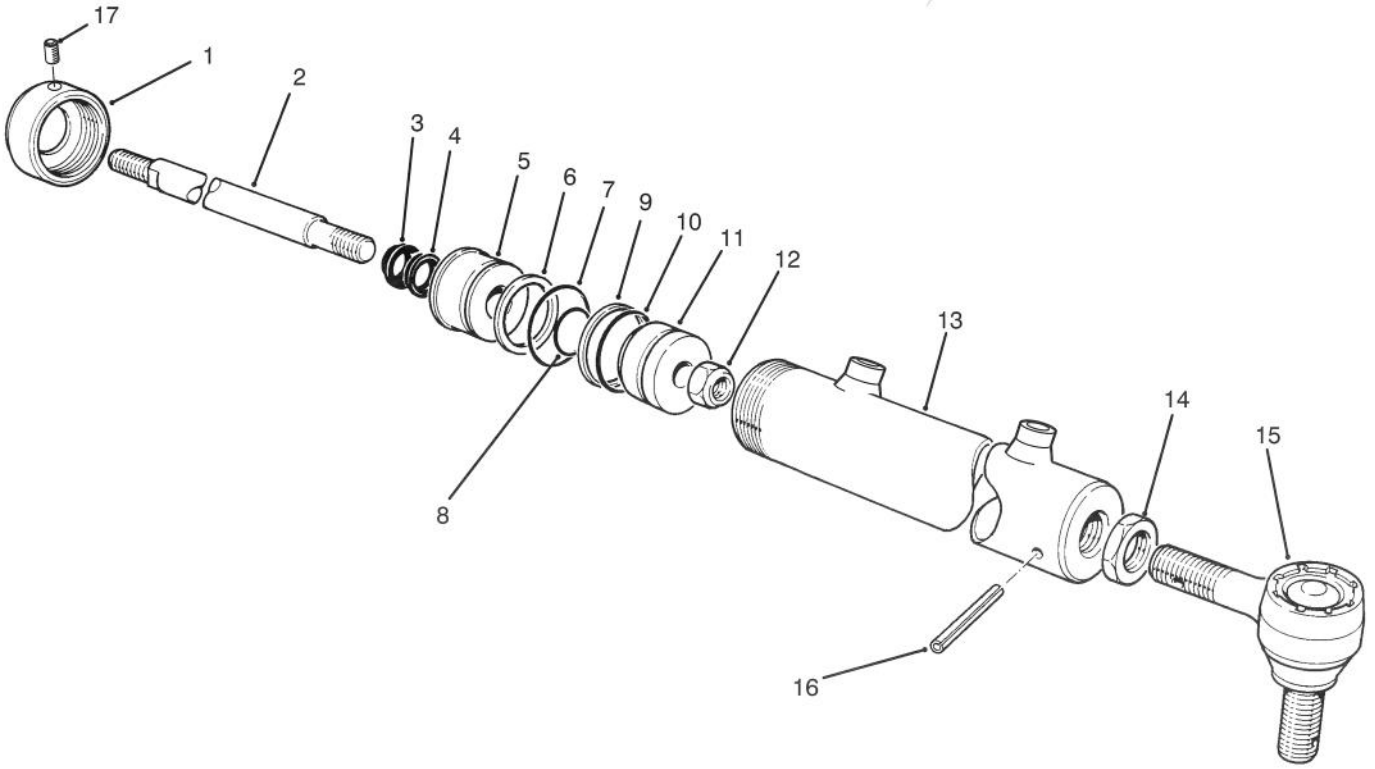
3317–142



REAR AXLE ASSEMBLY NO. 68–6824 (Continued)

Ref. No.	Part No.	Description	No. Used
1	93–3670	Seal -- O–Ring	4
2	72–5740	Seal – Oil	2
3	251–348	Bearing – Ball	2
4	72–5720	Ring – Retaining	2
5	72–5580	Gear – Bevel	4
6	251–8	Bearing – Ball	2
7	93–3671	Pin – Dowel	4
8	93–3672	Arm – Knuckle	2
9	42–9600	Washer – Lock	28
10	48–9470	Screw – Cap, M10 x 30	4
12	251-347	Bearing – Ball	2
13	72–5790	Screw – Cap, M6 x 18	12
14	43–5930	Washer – Lock	12
15	72–5590	Retainer – Bearing	2
16	72–5630	Gasket	2
17	251–349	Bearing – Ball	2
18	72–5090	Gear – Bevel	2
19	72–5680	Spacer	2
20	72–5560	Pin – King, Knuckle	2

Ref. No.	Part No.	Description	No. Used
21	93–3668	Washer – Thrust	2
22	93–3669	Bearing – Needle	2
23	93–3666	Gear Box – Axle	2
24	72–5730	Seal – Oil	4
25	251–263	Bearing – Ball	2
26	72–5550	Cover	2
27	281–10	Plug – Socket, Hex.	2
28	48–9460	Screw – Cap, M8 x 25	20
29	42–9850	Washer – Lock, M8	28
30	72–5540	Case – Knuckle	2
31	3272–17	Pin – Cotter	2
32	72–5770	Nut – Castle	2
33	72–5660	Washer – Shaft, Wheel	2
34	72–5650	Hub – Wheel	2
35	72–5570	Shaft – Axle, Outer	2
36	72–5780	Key	2
37	281–7	Plug – Pipe, Square Hd.	2
38	93–3667	Case – Knuckle	2
39	48–7710	Screw – Cap, M8 x 20	4



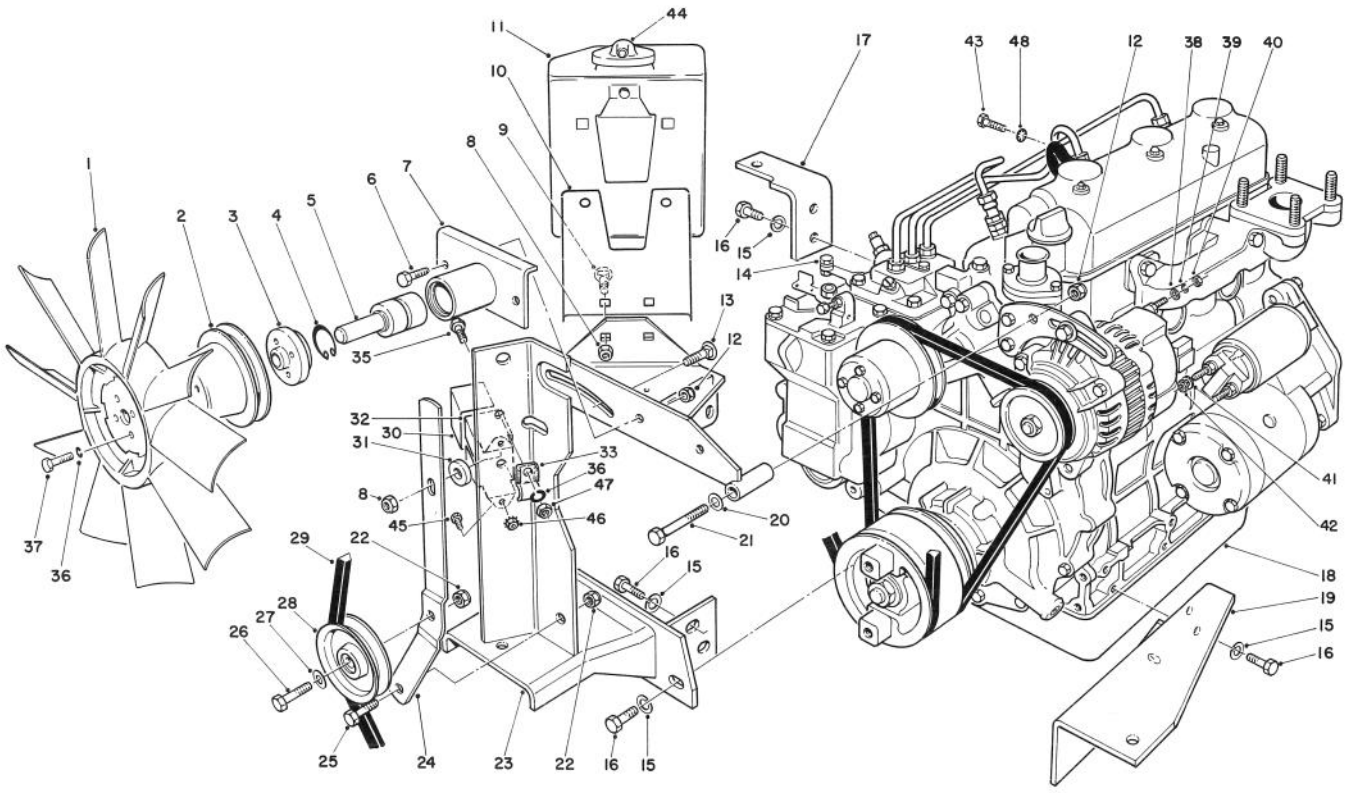
T–1694

HYDRAULIC CYLINDER NO. 92–5529

Ref. No.	Part No.	Description	No. Used
1	92–5705	Cap – Threaded	1
2	92–5704	Rod	1
†3		Wiper – Rod	1
†4		U–Cup	1
5	92–5706	Head – Cap	1
†6		Backup Washer	1
†7		O–Ring	1
†8		O–Ring	1
†9		Servon	1
†10		O–Ring	1

Ref. No.	Part No.	Description	No. Used
11	92–5703	Piston	1
12	88–3590	Nut – Lock	1
†13		Barrel Assembly	1
14	82–5740	Nut – Jam	1
15	82–5730	Rod End	1
16	32121–44	Pin – Roll	1
17	92–5708	Screw – Set	1
*	92–5707	Seal Repair Kit (Incl. Ref. #3, 4, & 6–10)	1

*Not Illustrated
†Not Serviceable Separately

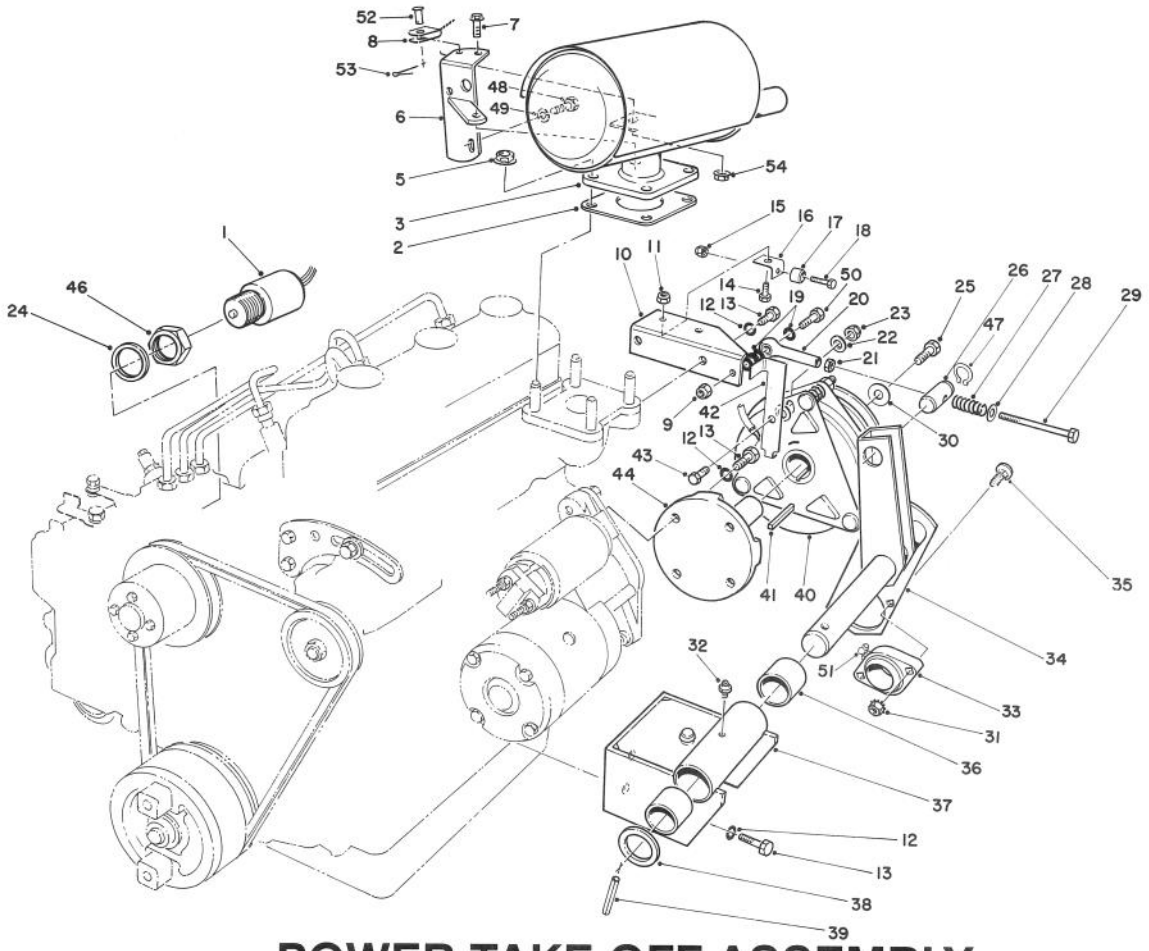


T–0542B

ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	84–1880	Fan – Cooling	1
2	84–1890	Pulley – Fan	1
3	84–1930	Hub – Fan	1
4	32120–10	Ring – Retaining	1
5	36–7290	Shaft & Bearing	1
6	322–4	Screw	2
7	84–1940	Hub	1
8	32128–20	Nut – Flange	3
9	3230–23	Bolt – Carriage	2
10	66–2440	Plate – Reservoir	1
11	63–7380	Expansion Tank Assembly (Incl Ref. #44)	1
12	3296–29	Nut – Lock	3
13	3230–2	Bolt – Carriage	1
14	63–6760	Swivel – Throttle Cable	1
15	48–9590	Washer – Lock	8
16	63–7790	Screw	8
17	71–2910	Angle – Engine Mount	1
18	75–0900	Engine	1
19	66–2320	Mount – Engine	1
20	3256–23	Washer – Flat	1
21	322–11	Screw – Cap Hex. Hd.	1
22	3296–39	Nut – Lock	2
23	84–1870	Bracket	1
24	63–6720	Lever – Idler	1

Ref. No.	Part No.	Description	No. Used
25	323–6	Screw – Cap Hex. Hd.	1
26	323–8	Screw – Cap Hex. Hd.	1
27	3256–24	Washer – Flat	1
28	63–8140	Pulley	1
29	92–8876	Belt – Fan	1
30	70–8560	Retainer – Glow Plug	1
31	5–0652	Spacer	1
32	66–8700	Indicator – Glow (Incl. Ref. #30)	1
33	3–6657	Clip – Skid	1
35	321–4	Screw – Cap Hex. Hd.	1
36	3253–3	Washer – Lock	5
37	321–3	Screw – Cap Hex. Hd.	4
38	5–3637	Washer – Flat	1
39	43–5920	Washer – Lock	1
40	43–5970	Nut – Hex.	1
41	42–9850	Washer – Lock	2
42	57–6390	Nut – Hex.	2
43	48–7700	Screw – Hex.	1
44	71–1520	Cap – Reservoir	1
45	32105–8	Screw	2
46	32149–7	Nut – Keps	2
47	3217–5	Nut – Hex.	1
48	3254–2	Washer – Lock ITLW	1
49	63–7340	Wire – Ground	1



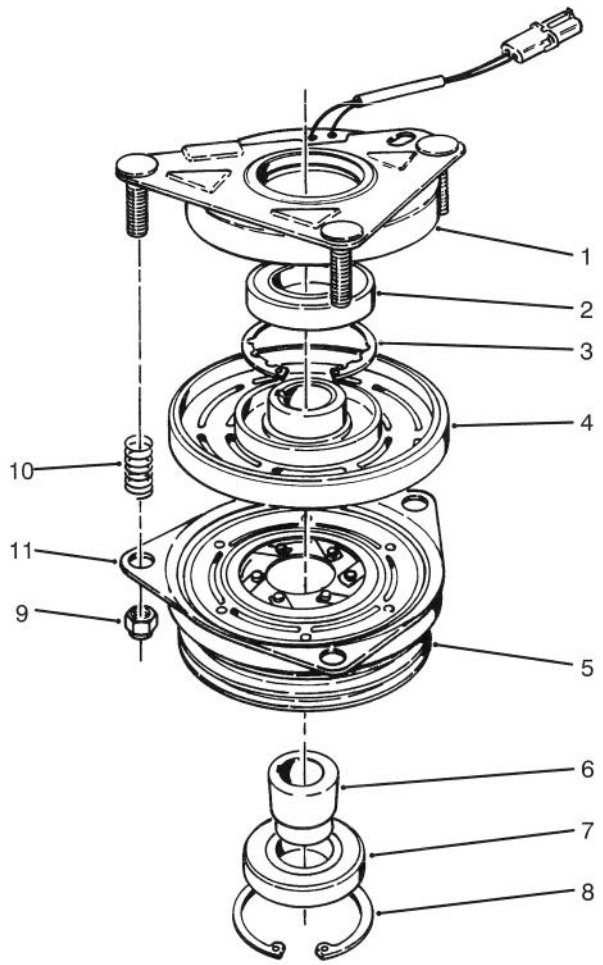
T–0543B

POWER TAKE OFF ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	63–7440	Solenoid – Stop	1
2	53–8130	Gasket – Exhaust	1
3	84–1910	Muffler	1
*	75–6880	Spark Arrester Screen (Optional)	1
5	68–9400	Nut – Hex.	4
6	66–2360	Support – Muffler	2
7	3234–29	Screw – Cap Hex. Flange Hd.	1
8	66–2870	Cable – Hood Stop	1
9	3296–29	Nut – Lock	1
10	63–6700	Bracket	1
11	3296–42	Nut – Lock	2
12	48–9590	Washer – Lock	10
13	63–7790	Screw	10
14	321–3	Screw – Cap Hex. Hd.	2
15	3296–9	Nut – Lock	2
16	63–8230	Angle – Clutch Anchor	2
17	66–2910	Bumper – Rubber	2
18	3250–39	Screw – Pan Head	2
19	3256–23	Washer – Flat	4
20	66–2900	Tie Rod End	1
21	3220–2	Nut – Jam	1
22	3256–24	Washer – Flat	2
23	3296–59	Nut – Lock	1
24	43–2740	Gasket	1
25	3212–5	Screw	1
26	63–6290	Pin – Tension	1
27	3–6624	Spring	1

Ref. No.	Part No.	Description	No. Used
28	4–2390	Washer	1
29	66–3100	Screw	1
30	67–1631	Spacer	1
31	32149–1	Nut – Keps	2
32	302–5	Fitting – Grease	1
33	92–8799	Bearing	1
34	63–6250	Shaft – PTO Tension	1
35	3230–4	Bolt – Carriage	2
36	256–299	Bushing	2
37	67–1800	Pivot Plate Assembly (Incl. Ref. #32 & 36)	1
38	3–4324	Washer	1
39	32121–32	Pin – Roll	1
40	63–6050	Clutch – Electric	1
41	63–8150	Key	1
42	63–6690	Lever – Clutch Anchor	1
43	323–34	Screw – Cap Hex. Hd.	1
44	63–6030	Hub – Clutch	1
46	43–2750	Nut – Jam	1
47	32151–83	Snap Ring	2
48	66–3160	Screw	1
49	48–8030	Washer – Flat	1
50	322–6	Screw – Cap Hex. Hd.	1
51	302–40	Fitting – Grease	1
52	283–58	Pin – Clevis	1
53	3272–10	Pin – Cotter	1
54	32128–25	Nut – Lock	1

*Not Illustrated

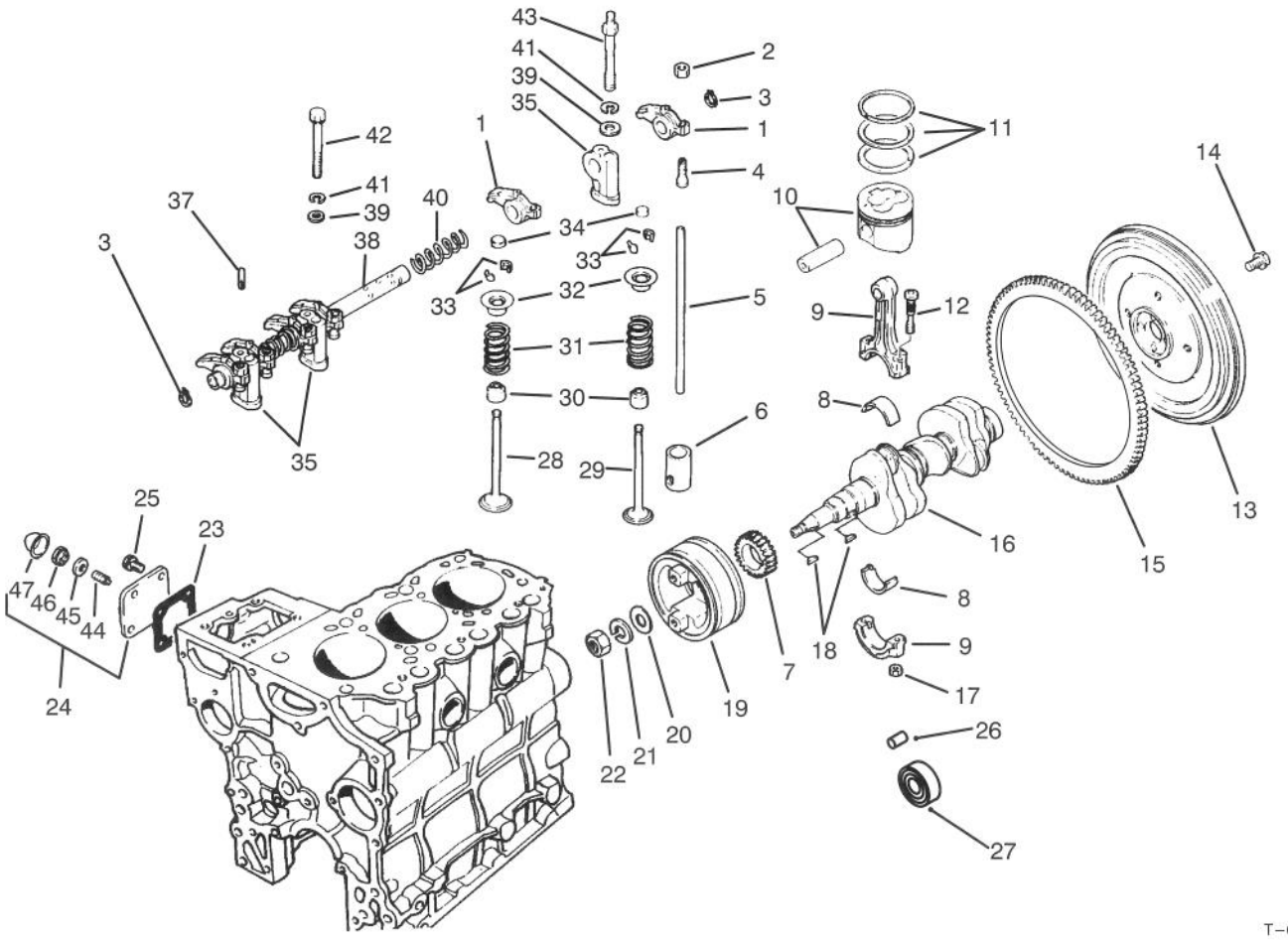


T–0544

CLUTCH ASSEMBLY NO. 63–6050

Ref. No.	Part No.	Description	No. Used
1	67–7050	Field Rotor Assembly (Incl. Ref. #2–4)	1
2		Bearing – Field	1
3		Ring – Retaining	1
4		Field Coil Assembly	1
5	67–7070	Armature & Pulley Assembly (Incl. Ref. #6–8)	1

Ref. No.	Part No.	Description	No. Used
6	67–7080	Collar – Bearing	1
7	67–7090	Bearing – Pulley	1
8	67–7060	Ring – Retaining	1
9	3296–6	Nut – Lock	3
10	44–8320	Spring	3
11	67–7100	Plate – Brake	1



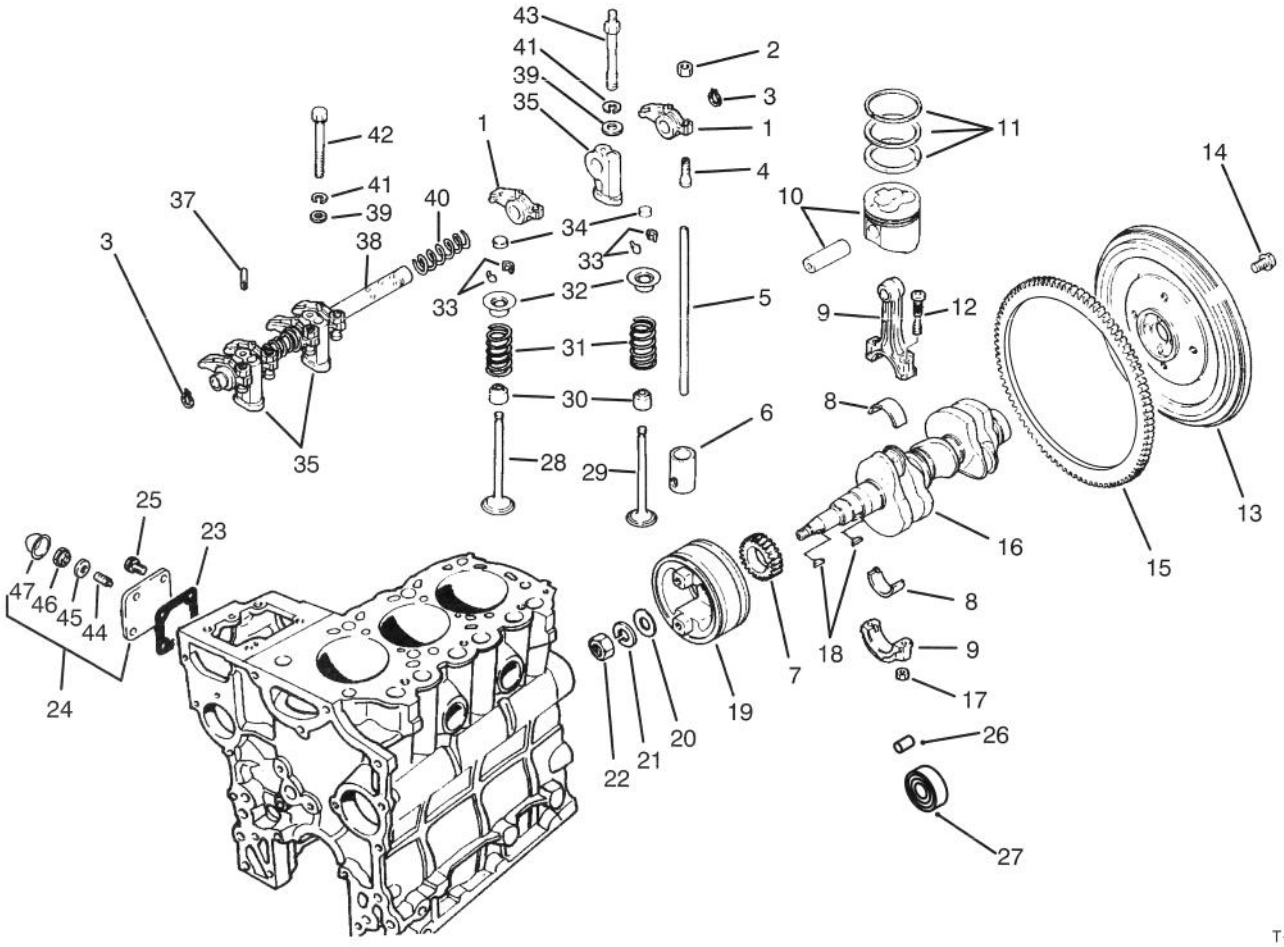
T–0565

VALVES AND CRANKSHAFT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67–3160	Arm–Rocker	6
2	67–3230	Nut – Jam	6
3	67–3240	Snap Ring	2
4	67–3210	Screw – Adjusting	6
5	67–3150	Rod–Push	6
6	67–3120	Tappet	6
7	67–2910	Gear	1
8	75–5010	Bearing Set STD	3
*	67–2890	Bearing Set 0.25 mm US	3
*	67–2900	Bearing Set 0.50 mm US	3
9	67–2850	Connecting Rod Assembly (Incl. Ref. #12 & 17)	3
10	75–5080	Piston & Pin Set STD	3
*	75–5090	Piston & Pin Set 0.25 mm OS	3
*	75–5100	Piston & Pin Set 0.50 mm OS	3
11	75–5050	Ring Set STD	3
*	75–5060	Ring Set 0.25 mm OS	3
*	75–5070	Ring Set 0.50 mm OS	3
12	67–2860	Bolt	6
13	67–2970	Flywheel Assembly (Incl. Ref. #14)	1
14	67–2990	Bolt	4

Ref. No.	Part No.	Description	No. Used
15	67–2980	Gear – Ring	1
16	92–0845	Crankshaft	1
17	42–9590	Nut	6
18	56–0480	Key – Woodruff	2
19	67–2930	Pulley – Crankshaft	1
20	67–2950	Washer	1
21	67–2960	Washer – Lock	1
22	67–2940	Nut – Jam	1
23	67–4310	Gasket	1
24	75–5110	Cover Assy. (Incl. Ref. #44–47)	1
25	42–9440	Bolt W/Washer	4
28	67–3130	Valve – Intake	3
29	67–3140	Valve – Exhaust	3
30	42–7870	Seal	6
31	67–3110	Spring	6
32	67–3100	Retainer	6
33	42–7860	Lock	12
34	67–3180	Cap	6
35	67–3200	Stay – Rocker	3
37	67–3220	Pin	1
38	67–3190	Rocker Shaft Assembly	1
39	42–9660	Washer	3
40	67–3170	Spring	2

*Not Illustrated

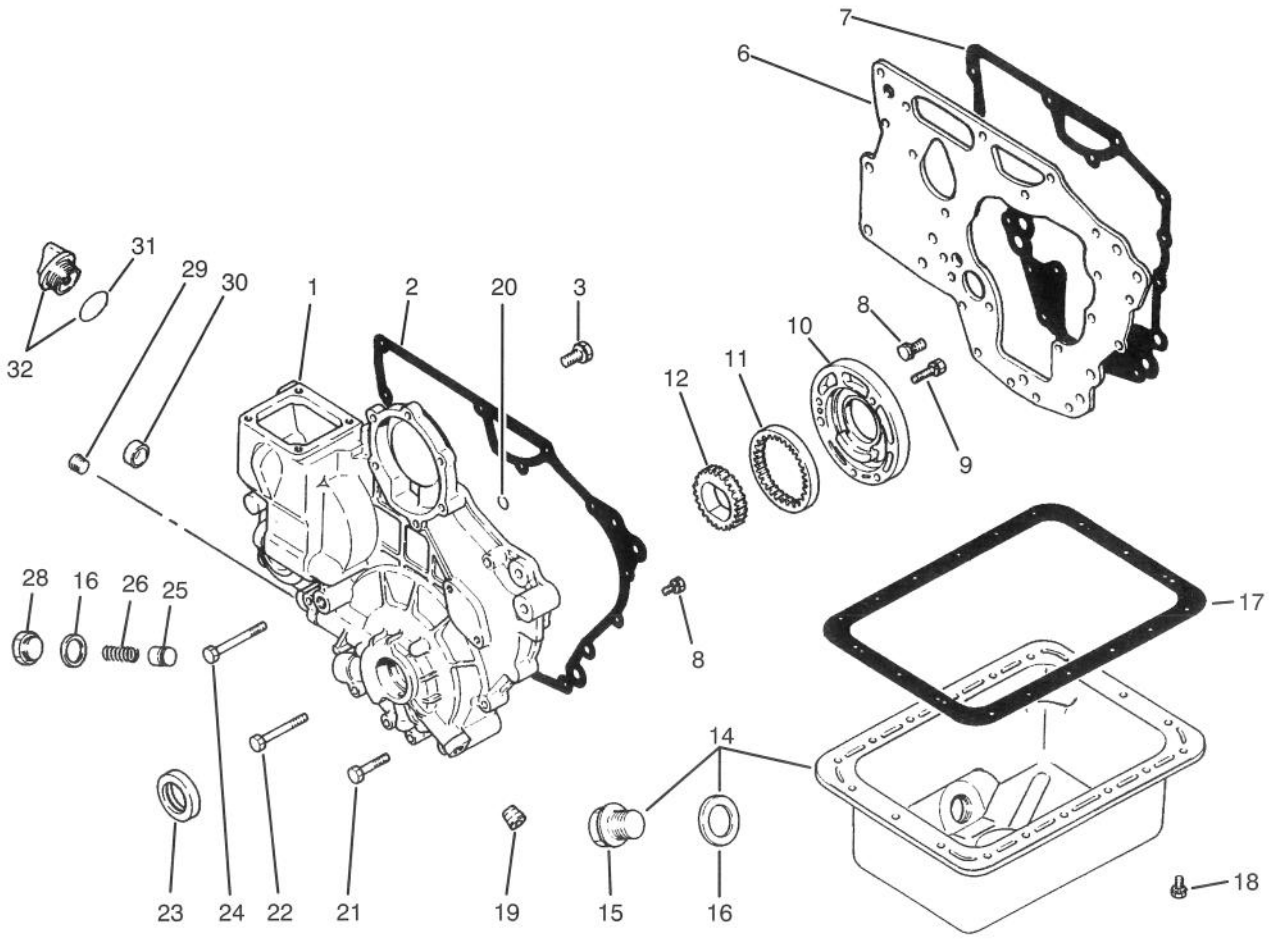


T–0565

VALVES AND CRANKSHAFT ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
41	67–3260	Washer	3
42	42–9510	Bolt	1
43	67–3250	Bolt–Rocker Stay	2
44	43–3160	Screw – Adjusting	1

Ref. No.	Part No.	Description	No. Used
45	75–5120	Gasket	1
46	43–5960	Nut – Special	1
47	43–2820	Cap – Sealing	1



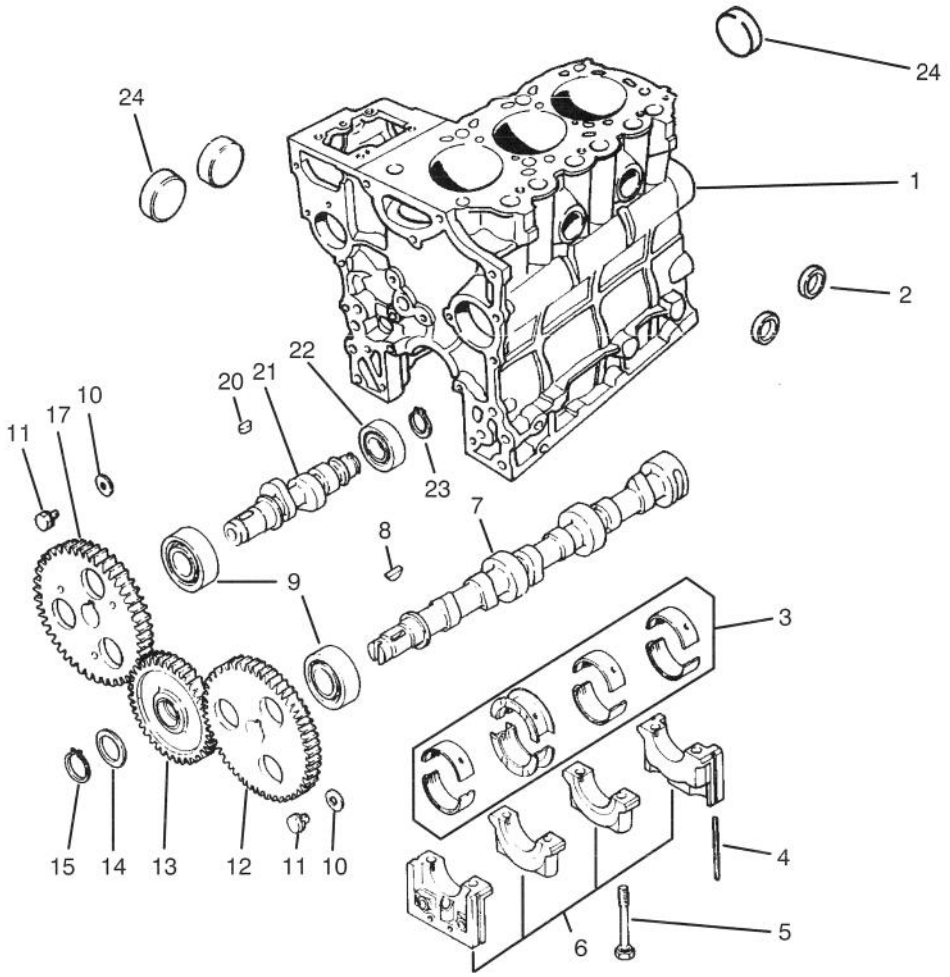
T–0567

CRANKCASE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	75–4920	Case	1
2	67–2580	Gasket – Case	1
3	67–2340	Bolt W/Washer	3
6	67–2310	Plate – Front	1
7	67–2320	Gasket – Plate	1
8	42–9440	Bolt W/Washer	11
9	67–2560	Bolt W/Washer	3
10	67–2550	Housing – Oil Pump	1
11	67–2540	Gear – Outer	1
12	67–2530	Gear – Inner	1
14	75–4910	Oil Pan Assembly (Incl. Ref. #15–16)	1
15	42–9260	Plug – Drain	1
16	42–7290	Gasket – Drain	2
17	67–2480	Gasket – Oil Pan	1
18	42–9490	Bolt W/Washer	18

Ref. No.	Part No.	Description	No. Used
19	42–7210	Plug–Taper	1
20	67–2630	Seal – O–Ring	2
21	67–2600	Bolt	3
22	67–2610	Bolt	4
23	67–2590	Seal – Oil	1
24	67–2620	Bolt	1
25	67–2500	Plunger – Relief	1
26	67–2510	Spring – Relief	1
28	67–2520	Plug	1
29	67–2570	Plug – Taper	1
30	67–2640	Cap	1
31	67–2660	Seal – O–Ring	1
32	67–2650	Oil Fill Cap Assembly (Incl. Ref. #31)	1
*	75–5040	Gasket Kit (Incl. Ref. #2, 7, 16 &17)	1

*Not Illustrated



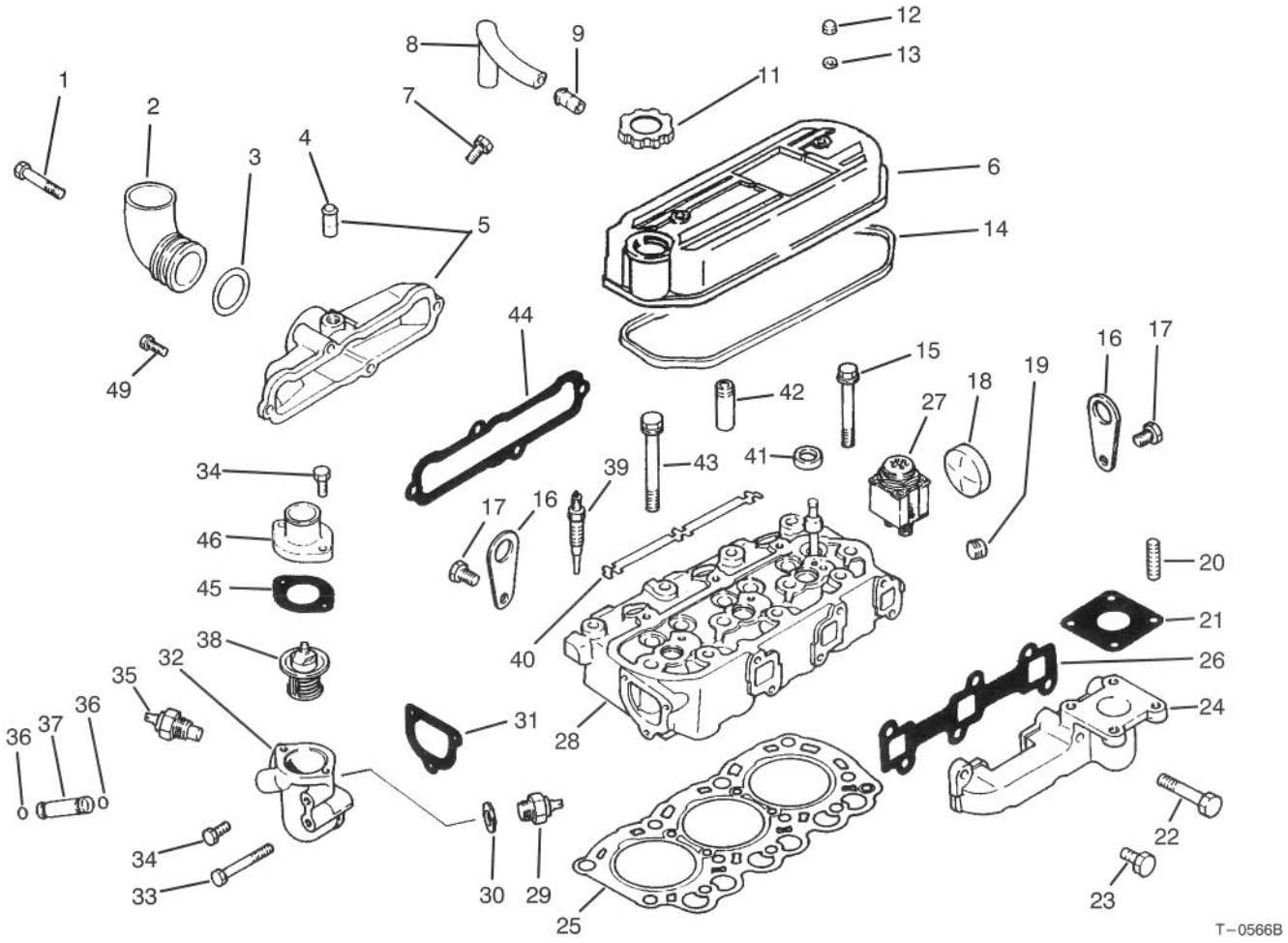
T–0564

CAMSHAFT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	75–4960	Block Assembly (Incl. Ref. #2, 5, 6 & 24)	1
2	42–7080	Cap	2
3	75–4900	Bearing Set STD	1
*	67–2410	Bearing Set 0.25 mm US	1
*	67–2420	Bearing Set 0.50 mm US	1
4	67–2200	Seal	4
5	67–2250	Bolt	8
6		Cap Assembly	1
7	67–3010	Cam Shaft	1
8	56–0480	Key – Woodruff	1
9	67–3030	Bearing	2

Ref. No.	Part No.	Description	No. Used
10	67–3000	Washer	2
11	42–9490	Bolt W/Washer	2
12	67–3020	Gear	1
13	67–3090	Gear Assembly	1
14	67–3040	Plate	1
15	56–1060	Snap Ring	1
17	67–3070	Gear	1
20	42–7840	Key	1
21	67–3060	Shaft	1
22	67–3050	Bearing	1
23	67–3080	Snap Ring	1
24	56–0020	Plug	3

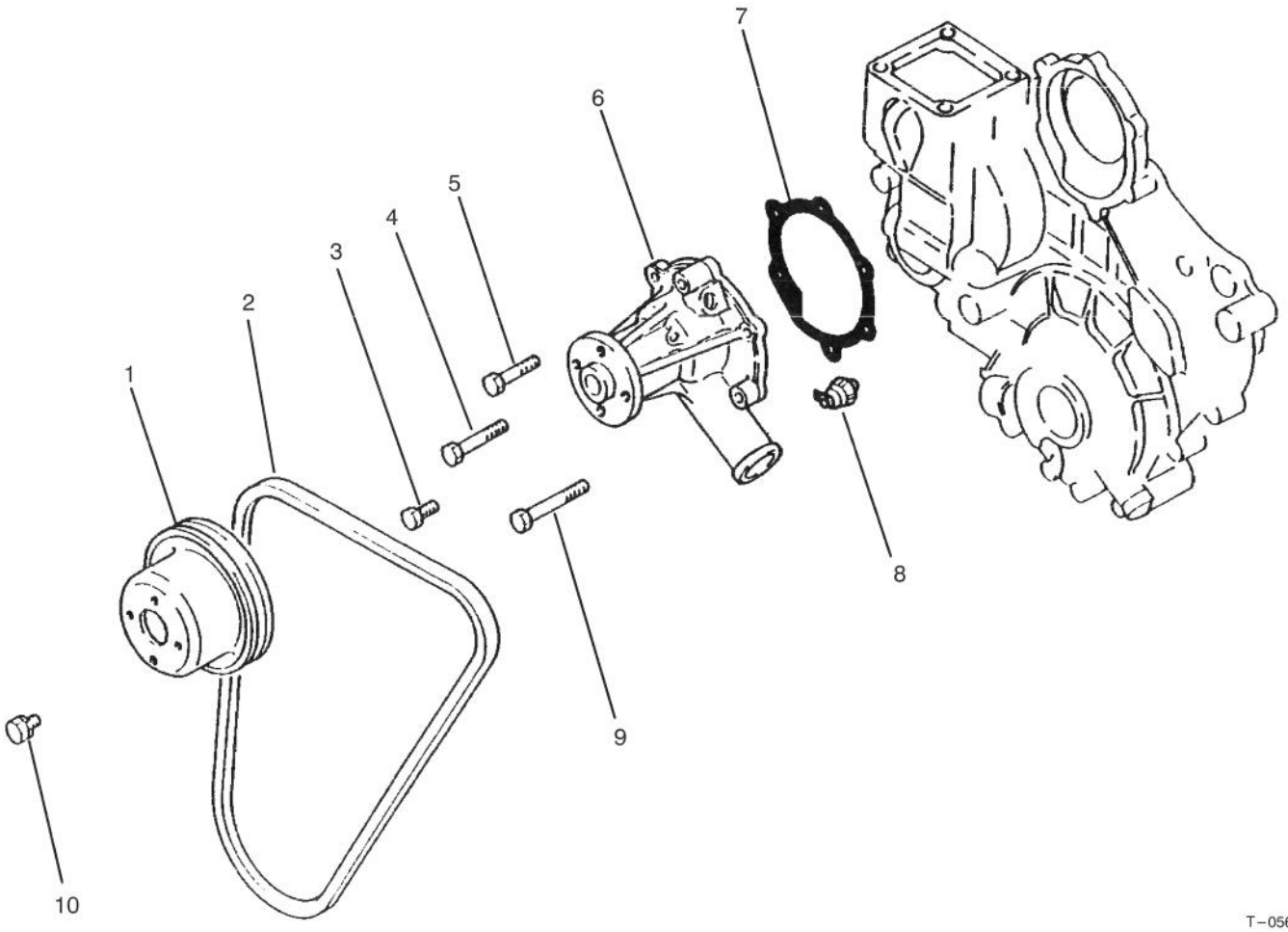
*Not Illustrated



CYLINDER HEAD ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67–4400	Bolt	2
2	67–4520	Pipe	1
3	67–4540	Seal – O–Ring	1
4	42–7510	Pipe	1
5	67–4530	Cover – Intake	1
6	92–0846	Cover Assembly (Incl. Ref. #9)	1
7	42–9430	Bolt W/Washer	1
8	67–2670	Hose – Breather	1
9	42–7510	Pipe	1
11	92–0847	Cap – Oil Filler	1
12	67–2770	Nut – Cap	2
13	67–2780	Washer	2
14	67–2760	Gasket	1
15	67–2740	Bolt – Flange	3
16	67–2680	Hanger –Engine	2
17	67–2340	Bolt W/Washer	4
18	56–0020	Plug – Expansion	1
19	67–2570	Plug – Taper	1
20	42–9570	Stud	4
21	42–9110	Gasket	1
22	67–4580	Bolt	2
23	67–4590	Bolt	4
24	67–4560	Manifold – Exhaust	1

Ref. No.	Part No.	Description	No. Used
25	75–4950	Gasket – Cylinder Head	1
26	67–4570	Gasket – Exhaust Manifold	1
27	67–4700	Lamp – Glow	1
28	75–4930	Cylinder Head Assembly (Incl. Ref. #18, 41 & 42)	1
29	67–4500	Switch – Thermo	1
30	67–4490	Gasket	1
31	67–4460	Gasket – Switch	1
32	67–4450	Fitting – Thermostat	1
33	67–4470	Bolt	1
34	67–2330	Bolt	4
35	67–4510	Gauge Nut – Temperature	1
36	43–2710	Seal – O–Ring	2
37	67–4480	Pipe – By–Pass	1
38	67–4440	Thermostat	1
39	67–4680	Plug – Glow	3
40	67–4690	Plate – Glow Plug	1
41	67–2710	Cap – Sealing	3
42	67–2700	Guide – Valve	6
43	67–2730	Bolt	8
44	67–4550	Gasket–Intake Manifold	1
45	67–4430	Gasket – Fitting	1
46	67–4420	Fitting – Water	1
49	67–2330	Bolt	2

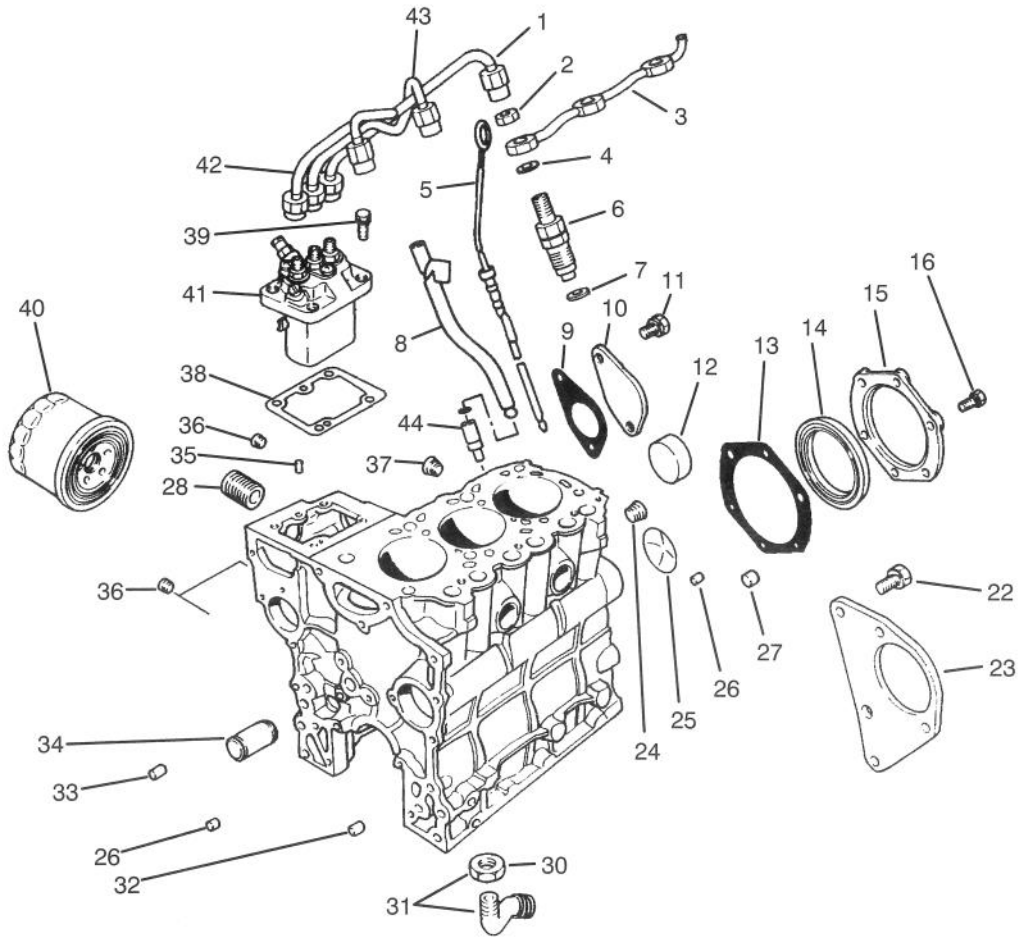


T–0568

WATER PUMP ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67–4360	Pulley – Water Pump	1
2	67–4410	V–Belt	1
3	67–2330	Bolt	2
4	67–4400	Bolt	1
5	67–2600	Bolt	1

Ref. No.	Part No.	Description	No. Used
6	67–4380	Water Pump Assembly	1
7	67–4390	Gasket – Water Pump	1
8	67–4350	Switch – Oil Pressure	1
9	67–2610	Bolt	2
10	42–9490	Bolt W/Washer	4



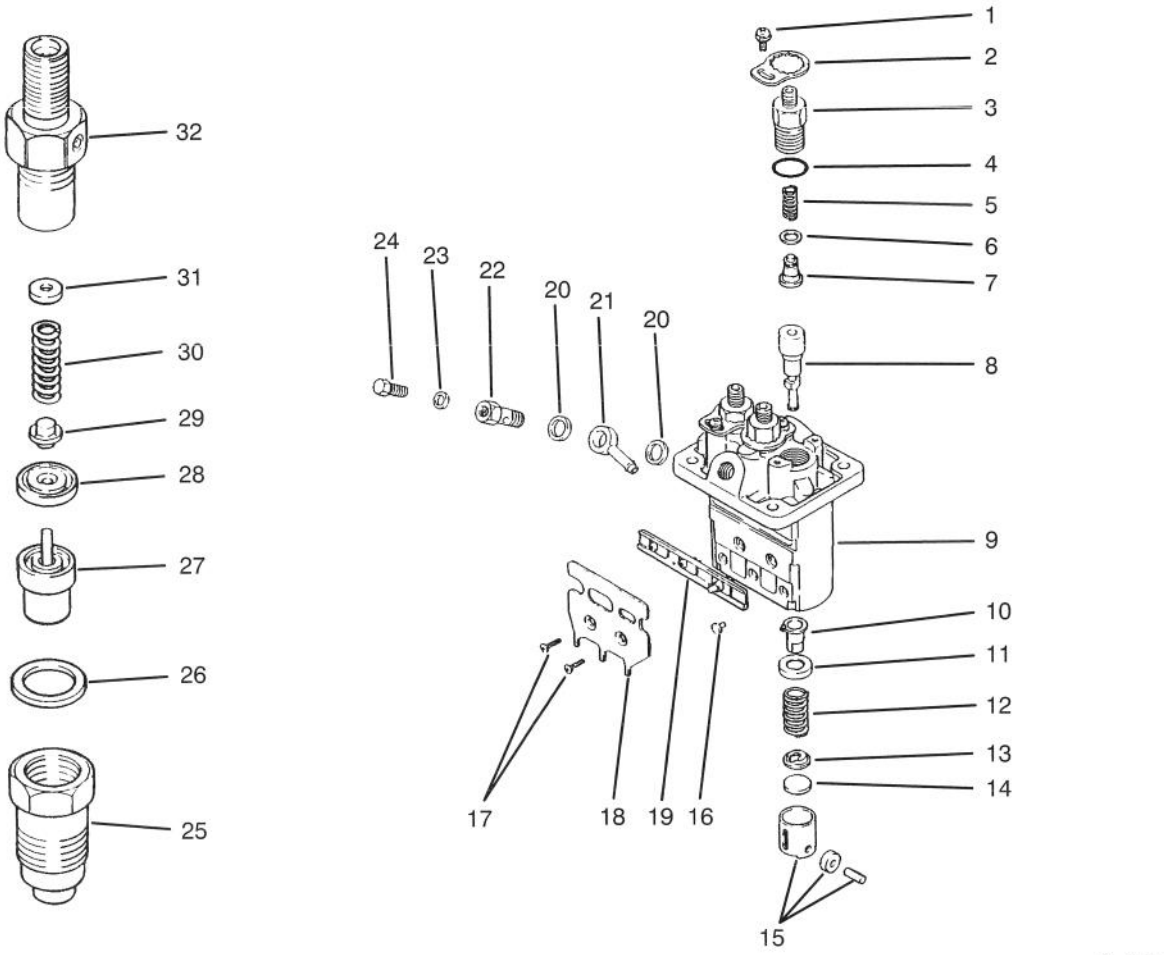
T–1801

FUEL SUPPLY & ENGINE BLOCK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67–3420	Pipe Assy. No. 3	1
2	67–3430	Nut	3
3	70–8700	Pipe – Fuel Return	1
4	67–3440	Gasket	3
5	70–8880	Dipstick	1
6	67–3380	Nozzle & Holder Assembly	1
7	67–3390	Gasket – Nozzle Holder	3
8	70–8870	Guide – Oil Level	1
9	67–2300	Gasket	1
10	67–2290	Cover	1
11	67–2340	Bolt W/Washer	2
12	56–0020	Plug–Expansion	3
13	67–2280	Gasket–Seal, Oil	1
14	67–2230	Seal–Oil	1
15	67–2270	Case – Oil Seal	1
16	67–2330	Bolt	6
22	67–2440	Bolt W/Washer	3
23	67–2430	Bracket – Starter	1
24	67–2390	Plug – Taper	1
25	67–2350	Plug – Expansion	1
26	67–2360	Bushing – Knock	2
27	67–2380	Bushing – Knock	3
28	56–1230	Shaft – Oil Filter	1
30	42–9650	Nut – Jam	1

Ref. No.	Part No.	Description	No. Used
31	67–4340	Screen Assembly (Incl. Ref. #30)	1
32	67–2370	Bushing – Knock	1
33	42–7190	Bushing – Knock	2
34	67–2260	Shaft–Idler	1
35	56–0220	Pin – Dowel	2
36	67–2210	Plug – Taper	3
37	56–0100	Plug – Taper	1
38	67–3280	Shim 0.2 mm	1
*	67–3290	Shim 0.3 mm	1
*	67–3300	Shim 0.5 mm	1
*	67–3310	Shim 0.4 mm	1
*	67–3320	Shim 0.6 mm	1
*	67–3330	Shim 0.7 mm	1
*	67–3340	Shim 0.8 mm	1
*	67–3350	Shim 0.9 mm	1
*	67–3360	Shim 1.0 mm	1
39	67–3370	Bolt W/Washer	4
40	67–4330	Oil Filter Assembly	1
41	75–5020	Injector Pump Assembly	
42	67–3400	Pipe Assy. No. 1	1
43	67–3410	Pipe Assy. No. 2	1
44	82–8110	Retainer – Oil Guide	1

*Not Illustrated



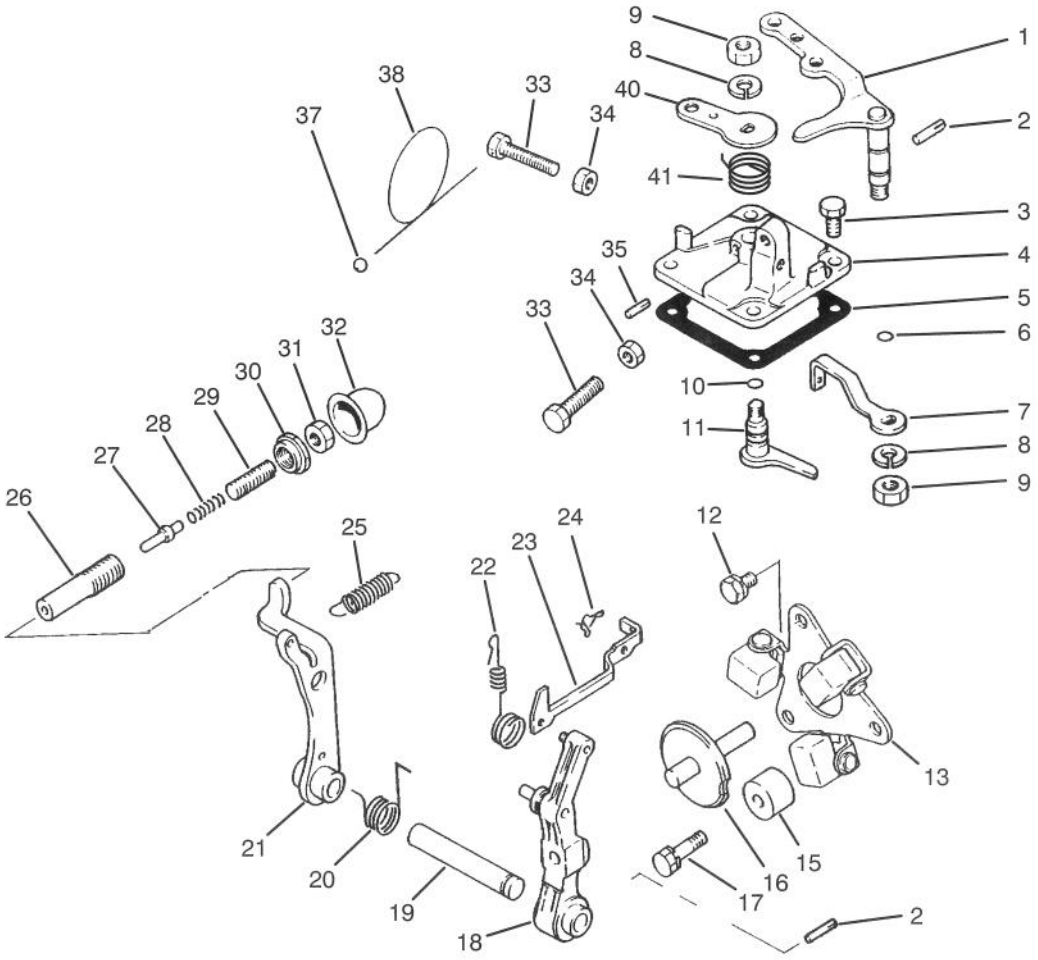
T–0570

FUEL INJECTION PUMP ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67–3770	Screw W/Washer	3
2	67–3760	Plate – Lock	3
3	67–3740	Holder–Delivery Valve	3
4	67–3480	Seal – O–Ring	3
5	67–3490	Spring	3
6	42–8240	Gasket	3
7	67–3500	Valve	3
8	75–4970	Element	3
9	67–3460	Housing–Pump	1
10	67–3520	Sleeve	3
11	67–3530	Seat – Spring Upper	3
12	67–3540	Spring	3
13	67–3550	Seat – Spring Lower	3
14	67–3560	Plate – Shim 1.85 mm	1
*	67–3570	Plate – Shim 1.9 mm	1
*	67–3580	Plate – Shim 1.95 mm	1
*	67–3590	Plate – Shim 2.0 mm	1
*	67–3600	Plate – Shim 2.05 mm	1
*	67–3610	Plate – Shim 2.1 mm	1
*	67–3620	Plate – Shim 2.15 mm	1
*	67–3630	Plate –Shim 2.2 mm	1
*	67–3640	Plate – Shim 2.25 mm	1
14	67–3650	Plate – Shim 2.3 mm	1
*	67–3660	Plate – Shim 2.35 mm	1
*	67–3670	Plate – Shim 2.4 mm	1
*	67–3680	Plate – Shim 2.45 mm	1
*	67–3690	Plate – Shim 2.5 mm	1
15	67–3700	Tappet	3
16	67–3810	Pin – Tappet Guide	3

Ref. No.	Part No.	Description	No. Used
17	67–3790	Screw	2
18	67–3800	Bracket – Wire Stop	1
19	67–3780	Rack	1
20	67–3750	Washer	2
21	67–3740	Nipple – Swivel	1
22	67–3730	Screw	1
23	67–3720	Washer	1
24	67–3710	Screw – Air Bleed	1
25	67–3970	Nut – Retaining	3
26	67–3980	Gasket	3
27	67–3960	Nozzle	3
28	67–3950	Piece – Distance	3
29	67–3940	Pin – Pressure	3
30	67–3930	Spring	3
31	67–3830	Washer 1.25 mm	1
1	67–3840	Washer 1.3 mm	1
*	67–3850	Washer 1.35 mm	1
*	67–3860	Washer 1.4 mm	1
*	67–3870	Washer 1.45 mm	1
*	67–3880	Washer 1.5 mm	1
*	67–3890	Washer 1.55 mm	1
*	67–3900	Washer 1.6 mm	1
31	67–3910	Washer 1.65 mm	1
*	67–3920	Washer 1.7 mm	1
32	75–5000	Body	3
*	53–8150	Pump Assembly (Incl. Ref. 21–24)	1
*	67–3380	Nozzle and Holder Assembly (Incl. Ref. #25–32)	3

*Not Illustrated



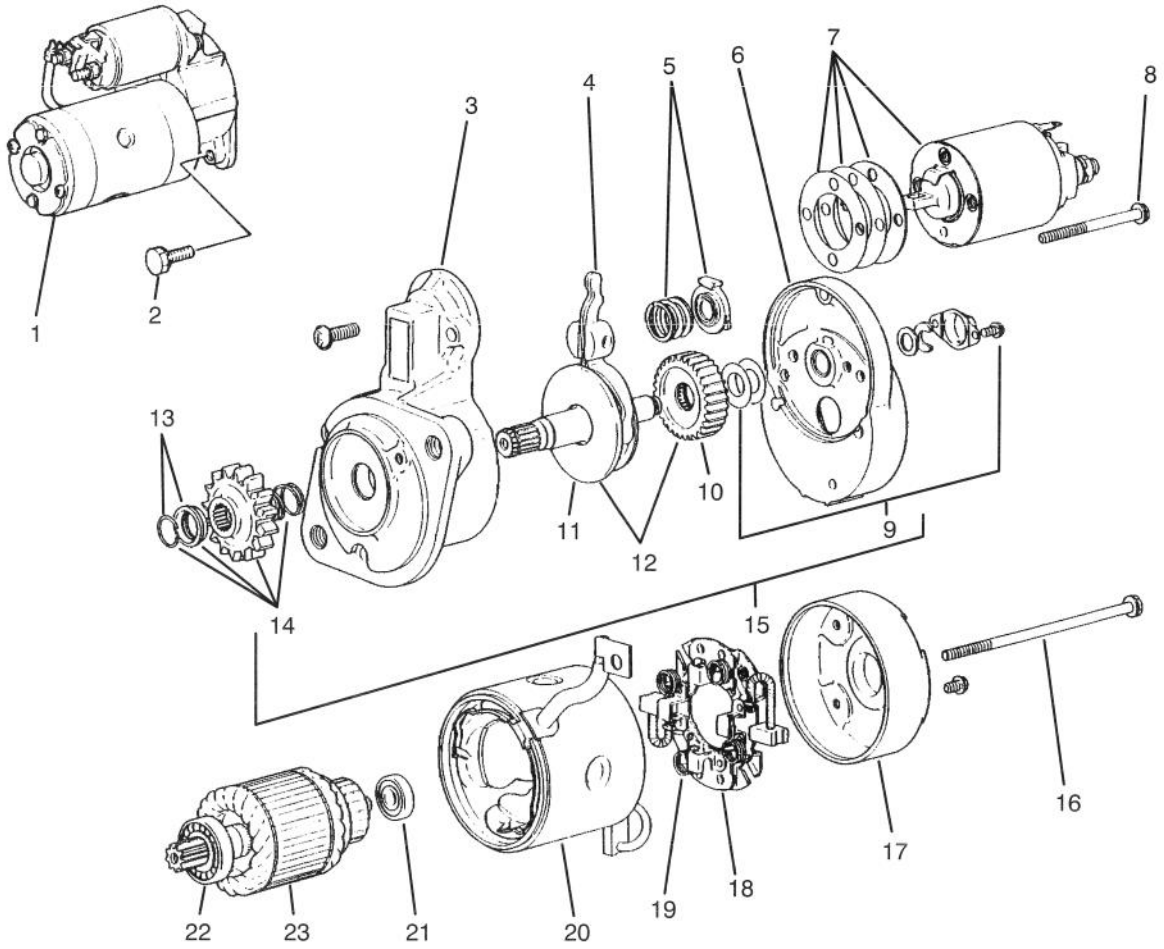
T–0571A

GOVERNOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67–3990	Lever – Speed Control	1
2	67–4000	Pin	2
3	67–4270	Bolt	4
4	67–4130	Cover – Governor	1
5	67–4160	Gasket	1
6	42–8830	Seal – O–Ring	1
7	75–4980	Lever – Governor Spring	1
8	67–3260	Washer	2
9	42–9640	Nut – Jam	2
10	42–8830	Seal – O–Ring	1
11	67–4140	Lever – Stop	1
12	42–9430	Bolt W/Washer	2
13	67–4040	Weight Assembly	1
15	67–4010	Stopper	1
16	67–4070	Shaft – Sliding	1
17	67–4280	Bolt W/Washer	1
18	67–4060	Lever – Governor	1
19	67–4050	Shaft – Governor	1
20	67–5040	Spring	1
21	67–4090	Lever – Tension	1
22	70–8720	Spring – Tie Rod	1

Ref. No.	Part No.	Description	No. Used
23	67–4030	Rod – Tie	1
24	67–4080	Clip	1
25	75–4990	Spring – Governor	1
26	67–4210	Case – Torque Spring	1
27	67–4230	Stopper	1
28	67–4190	Spring – Torque	1
29	67–4220	Screw – Adjusting	1
30	67–4200	Nut – Special	1
31	67–4180	Nut	1
32	43–2820	Cap – Sealing Torque Set	1
33	42–9420	Bolt – Speed Set	4
34	67–4290	Nut	4
35	67–4120	Pin – Grooved	1
37	42–8690	Metal – Sealing	1
38	42–8700	Wire	1
40	67–4150	Lever – Stop	1
*	67–4110	Cover Assembly (Incl. Ref. #4, 8–11, 35 & 40)	1
*	67–4170	Spring Set (Incl. Ref. #26–31)	1

*Not Illustrated

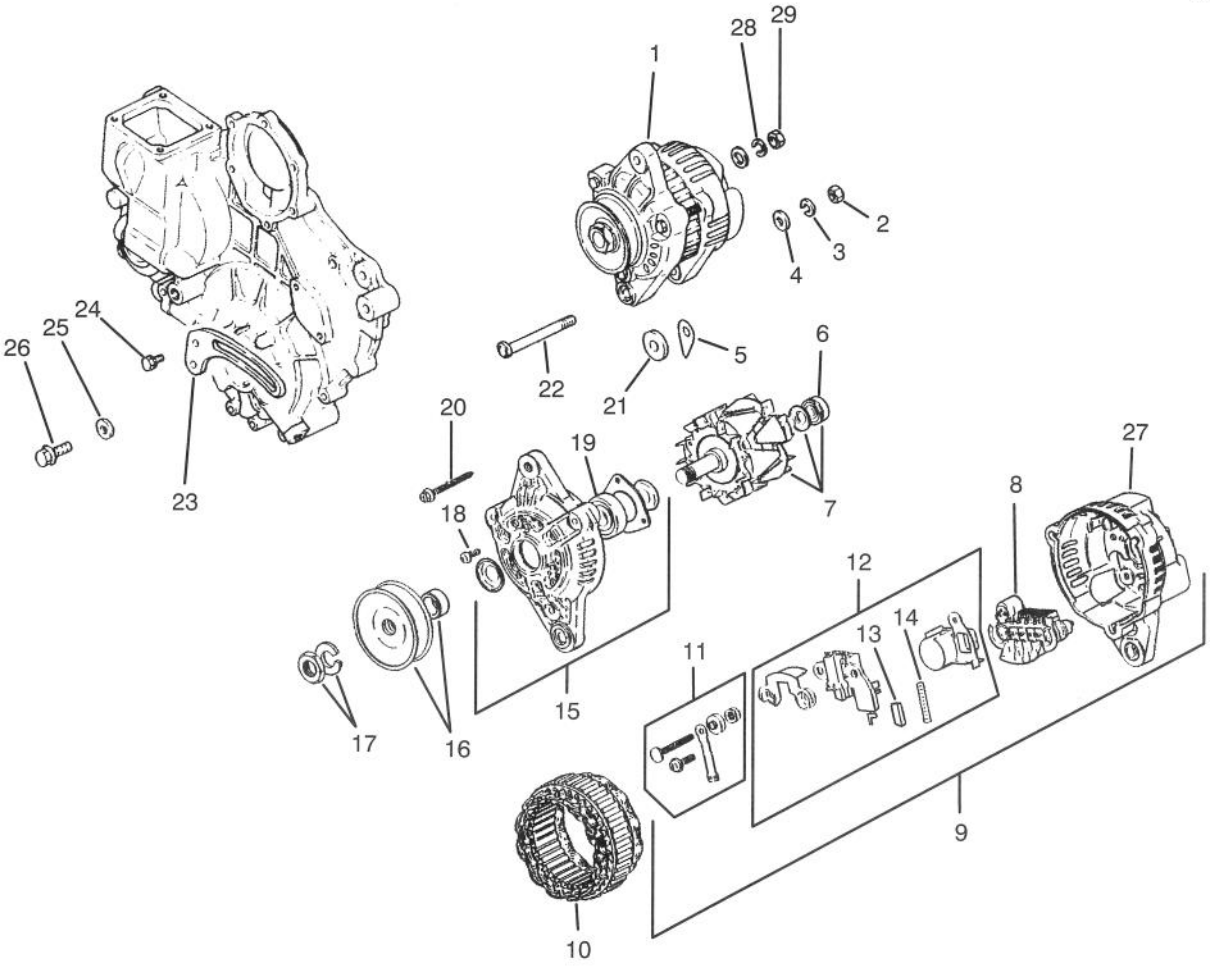


T–0572

STARTER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	70–8760	Starter Assembly (Incl. Ref. #3–23)	1
2	67–4610	Bolt W/Washer	2
3	70–8770	Bracket – Front	1
4	67–4720	Lever	1
5	67–4730	Spring Set	1
6	70–8780	Bracket – Center	1
7	67–4750	Switch	1
8	56–1570	Bolt Set	1
9	56–1680	Cover Set	1
10	56–1670	Gear	1
11	67–4790	Shaft	1
12	67–4780	Gear Set (Incl. Ref. #10 & 11)	1
13	56–1640	Stopper Set	1

Ref. No.	Part No.	Description	No. Used
14	67–4770	Pinion Set (Incl. Ref. #13)	1
15	67–4760	Shaft Assembly (Incl. Ref. #9, 12 & 14)	1
16	56–1610	Bolt	1
17	56–1720	Bracket – Rear	1
18	56–1700	Holder – Brush (Incl. Ref. #19)	1
19	56–1710	Spring – Brush	4
20	67–4800	Yoke	1
21	56–1600	Bearing – Rear	1
22	56–1590	Bearing – Front	1
23	56–1580	Armature Set (Incl. Ref. #21 & 22)	1



T–0573

ALTERNATOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67–4630	Alternator Assembly (Incl. Ref. #6–17)	1
2	67–4670	Nut	1
3	67–3260	Washer	1
4	42–9660	Washer	1
5	43–0370	Shim	1
6	67–4870	Bearing – Rear	1
7	67–4860	Rotor Assembly (Incl. Ref. #6)	
8	67–4930	Rectifier	1
9	67–4890	Rear Cover Assembly (Incl. Ref. #8, 11, 12 & 27)	1
10	67–4880	Stator	1
11	67–4900	Terminal Set	1
12	67–4910	Regulator Assembly (Incl. Ref. #13 & 14)	1

Ref. No.	Part No.	Description	No. Used
13	67–4920	Brush	2
14	43–0510	Spring – Brush	2
15	67–4830	Front Bracket Assembly (Incl. Ref. #18 & 19)	1
16	67–4810	Pulley Set	1
17	43–1920	Nut Set	1
18	67–4840	Screw Set	1
19	67–4850	Bearing – Front	1
20	67–4820	Bolt Set	1
21	67–4620	Spacer	1
22	67–4640	Bolt	1
23	75–4940	Brace – Alternator	1
24	42–9440	Bolt W/Washer	1
25	54–8660	Washer	1
26	67–4660	Bolt – Flange	1
27	72–6140	Cover – Rear	1

TORO PART NUMBER INDEX

Part No.	Description	Pg. No.	Ref. No.	Qty.
3–3251	Spring	5	12	1
3–4324	Washer	35	38	1
3–6624	Spring	35	27	1
3–6657	Clip – Skid	34	33	1
3–7243	Spring – Return	5	20	2
4–2390	Washer	35	28	1
5–0652	Spacer	17	30	1
5–0652	Spacer	34	31	1
5–1226	Washer	28	37	A/R
5–3637	Washer – Flat	34	38	1
5–7570	Washer	7	6	4
6–1659	Glow Plug Switch Assembly	3	13	1
7–3900	Foot Pad – Brake	5	28	2
12–5450	Screw – Thread Forming	14	15	8
14–7149	Hood Assembly	1	1	1
21–7670	Differential Case	14	6	1
21–7690	Gear – Pinion	14	10	2
21–7700	Shaft – Pinion Mate	14	7	1
21–7720	Washer – Thrust	14	8	2
21–7730	Washer – Thrust	14	11	2
21–7770	Screw – Drive Gear	14	5	5
21–7830	Cover – Gear	14	16	1
21–8020	Spacer – Frt. Pinion Bearing	15	29	1
21–8090	Differential Adjust. Shim.	15	35	A/R
21–8100	Differential Adjust. Shim.	15	36	A/R
21–8110	Differential Adjust. Shim.	15	37	A/R
21–8120	Differential Adjust. Shim.	15	38	A/R
21–8180	Bearing – Tapered Roller	16	3	2
21–8270	Pin – Dowel	14	4	2
21–8360	Clip – Retaining	16	10	2
21–9260	Cover – Dust	5	39	1
21–9370	Adjusting Screw	16	7	2
21–9380	Nut – Pivot	16	8	2
21–9390	Socket – Adjusting Screw	16	6	2
21–9420	Spring – Shoe Return RH	16	17	2
21–9430	Spring – Shoe Return LH	16	18	2
21–9440	Screw – Spring Adjusting	16	14	2
21–9450	Dust Shield	16	4	2
21–9460	Retainer – Parking Brake	16	15	4
23–2270	Bushing – Rubber	17	3	1
23–2300	Oil Filter	17	27	1
23–7270	Nut – Lug	13	20	10
24–8790	Gear – Bevel, Differential	14	9	2
24–8840	Ring – Wheel Bearing	16	22	2
24–9180	Strut/Lever – Parking Brake	16	19	2
25–2380	Plate – Thrust	19	15	2
25–2430	Pin	19	46	2
25–2460	Hex Hd. Plug	19	23	2
25–2470	Shim Pack	19	25	A/R
25–2480	Relief Valve Spring Charge	19	44	1
25–2500	Shaft – Trunnion	19	2	1
25–2510	Washer	19	3	2
25–3210	Lip Seal	19	7	2
25–3300	Bearing – Needle	19	18	2
27–2360	Ignition Switch Assembly	3	7	1
27–3680	Spacer – Mounting	17	5	4
27–3690	Gasket – Transmission	17	38	1
27–4240	Pin – Cylinder	10	30	2
27–4370	Hub – Pump	17	10	1
27–6590	Spacer	17	22	2
27–6600	Spacer – Rubber	17	15	6
27–6851	Shaft – Axle, Flanged RH	16	*	1
27–6861	Shaft – Axle, Flanged LH	16	1	1
27–7100	Air Cleaner Assembly	24	25	1
27–7110	Element Assembly	24	33	1
27–7120	Nut & Gasket Assembly	24	34	1
27–7130	Clamp Assembly	24	36	1
27–7140	Skirt – Baffle	24	35	1
27–7150	Cup Assembly	24	37	1
27–7160	Decal – Instructions	24	24	1
27–7170	Mounting Band Assembly	24	31	2
27–7180	Cap Assembly	24	20	1
27–7310	Decal (Caution Over Fill)	1	16	1
27–9620	Screw – Cap Hex. Hd.	17	29	1
28–0660	Screw – Cap Hex. Hd.	16	21	8
28–0670	Oil Seal	16	13	2
28–0680	Brake Drum	16	11	2
28–1280	Boot – Positive Cable	9	63	1
28–3300	Bearing – Roller	19	4	1
28–3310	Bearing – Needle	19	5	2
28–3340	Gasket	19	49	1
28–3350	Pin	19	48	2
28–3380	Plate – Motor Valve	19	45	1
28–3400	O–Ring	19	24	2
28–3420	Relief Valve Cone Charge	19	27	2
28–3440	Threaded Plug	19	42	2
28–3450	Washer – Flat	19	36	2
28–3470	Lip Seal	19	34	1
28–3480	Bearing – Needle	19	33	1
28–3520	O–Ring	19	31	1
28–3530	Screw – Cap Hex. Hd.	19	30	2
28–3570	O–Ring	19	21	2
28–3580	Ring – Backup	19	20	2
28–3590	O–Ring	19	19	2
28–3640	Shaft – Pump	19	12	1
28–3650	Bearing – Ball	19	10	1
28–3670	Shaft – Trunnion	19	8	1
28–5220	Wheel – Friction	7	5	1
28–8070	Lanyard	25	66	1
29–4730	Washer – PTO	8	16	1
29–6150	Spring – Leaf	21	22	1
29–6162	Micro Switch	21	7	1
29–6170	Spring – Extended Leaf	21	5	1
29–9790	Pump – Lever	21	2	1
36–7290	Shaft & Bearing	34	5	1
37–2690	Capacitor	25	53	1
37–9590	Spring – Compression	24	44	1
38–2670	Kit – Charge Pump	19	37	1
38–2680	Pin	19	32	1
42–7080	Cap	40	2	2
42–7190	Bushing – Knock	43	33	2
42–7210	Plug–Taper	39	19	1
42–7290	Gasket – Drain	39	16	2
42–7510	Pipe	41	4	1
42–7510	Pipe	41	9	1
42–7840	Key	40	20	1
42–7860	Lock	37	33	12
42–7870	Seal	37	30	6
42–8240	Gasket	44	6	3
42–8690	Metal – Sealing	45	37	1
42–8700	Wire	45	38	1
42–8830	Seal – O–Ring	45	6	1
42–8830	Seal – O–Ring	45	10	1
42–9110	Gasket	41	21	1
42–9260	Plug – Drain	39	15	1
42–9420	Bolt – Speed Set	45	33	4
42–9430	Bolt W/Washer	41	7	1
42–9430	Bolt W/Washer	45	12	2
42–9440	Bolt W/Washer	39	8	11
42–9440	Bolt W/Washer	47	24	1
42–9440	Bolt W/Washer	37	25	4
42–9490	Bolt W/Washer	42	10	4
42–9490	Bolt W/Washer	40	11	2
42–9490	Bolt W/Washer	39	18	18
42–9510	Bolt	38	42	1
42–9570	Stud	41	20	4
42–9590	Nut	37	17	6
42–9600	Washer – Lock	32	9	28
42–9600	Washer – Lock M10	30	42	24
42–9640	Nut – Jam	45	9	2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
42–9650	Nut – Jam	43	30	1
42–9660	Washer	47	4	1
42–9660	Washer	37	39	3
42–9850	Washer – Lock	17	19	2
42–9850	Washer – Lock	34	41	2
42–9850	Washer – Lock M8	30	34	8
42–9850	Washer – Lock, M8	32	29	28
43–0370	Shim	47	5	1
43–0510	Spring – Brush	47	14	2
43–1920	Nut Set	47	17	1
43–2550	Filter	25	81	1
43–2560	Gasket	25	82	1
43–2570	Gasket	25	80	1
43–2580	Magnet	25	83	1
43–2710	Seal – O–Ring	41	36	2
43–2740	Gasket	35	24	1
43–2750	Nut – Jam	35	46	1
43–2820	Cap – Sealing	38	47	1
43–2820	Cap – Sealing Torque Set	45	32	1
43–3160	Screw – Adjusting	38	44	1
43–4031	Cable – Battery Positive	9	62	1
43–4031	Wire – Positive	4	1	1
43–5320	Pulley – PTO	8	17	1
43–5920	Washer – Lock	34	39	1
43–5930	Washer – Lock	32	14	12
43–5960	Nut – Special	38	46	1
43–5970	Nut – Hex.	34	40	1
43–6710	Shim Adjusting Differential	14	18	A/R
43–6711	Shim Adjusting Differential	14	19	A/R
43–6712	Shim Adjusting Differential	14	20	A/R
43–6713	Shim Adjusting Differential	14	21	A/R
43–6750	Cup – Bearing	15	31	1
43–6760	Cone – Bearing, Tapered	14	13	1
43–6800	Nut – Lock, Flange Hd.	16	12	8
43–6810	Torque Spider	16	5	2
43–8600	Spring – Compression	25	54	1
43–8610	Guide – Spring & Ball Seat	25	59	1
43–8620	Guide – Switch Pin	25	63	1
43–8860	Plunger – Switch	25	60	1
43–8870	Boot – Switch	25	65	1
43–9071	Switch – Seat	25	*	1
44–2230	Coupling – Rubber	17	16	2
44–8320	Spring	36	10	3
44–8530	Sock – Hose	5	47	1
46–6550	Fitting – Fuel 90°	13	3	1
46–6560	Bushing	13	41	2
46–6810	Screw – Cap Hex. Hd.	1	26	13
46–7310	Relief Valve Spring Imp.	19	26	1
46–7320	Plate – Pump Valve	19	17	1
46–8091	Screw – Cap Hex. Hd.	2	43	2
46–8810	Stop – Leaf Spring	21	9	1
48–1800	Kit – Cylinder Block	19	16	2
48–7700	Screw – Hex.	34	43	1
48–7710	Screw – Cap, M8 x 20	32	39	4
48–7730	Screw – Cap Hex. Hd.	28	39	4
48–7780	Screw – Cap Hex. Hd.	29	9	8
48–7960	Nut	28	21	2
48–8030	Washer – Flat	35	49	1
48–9220	Washer – Flat	29	10	8
48–9460	Bolt – Hex. Hd.	30	35	4
48–9460	Screw – Cap Hex. Hd.	17	20	2
48–9460	Screw – Cap, M8 x 25	32	28	20
48–9470	Bolt – M10 x 30	31	43	24
48–9470	Screw – Cap, M10 x 30	32	10	4
48–9590	Washer – Lock	35	12	10
48–9590	Washer – Lock	34	15	8
49–7820	Variable Swashplate	19	13	1
49–7830	Check Valve Assembly	19	22	2
49–8200	Shaft – Motor	19	47	1
51–3150	Shim	21	24	1
52–1321	Decal – Diesel Fuel Only	24	16	1
52–8890	Bracket – Mounting	21	16	2
52–9070	Plate – Pump	21	17	1
53–4430	Decal – Oil	2	34	1
53–8130	Gasket – Exhaust	35	2	1
53–8150	Pump – Fuel	24	40	1
53–8150	Pump Assembly	44	*	1
54–7950	Drive Shaft Assembly	9	*	1
54–8660	Washer	47	25	1
54–9040	Yoke – End	8	32	1
54–9050	Shaft – Slip Yoke	8	31	1
54–9090	Yoke – End	8	28	1
54–9170	Tube – Slip Yoke	8	29	1
54–9180	Kit – Joint, Universal	23	3	1
54–9180	Kit – Universal Joint	22	2	2
54–9180	Kit – Universal Joint	8	35	2
56–0020	Plug	40	24	3
56–0020	Plug – Expansion	41	18	1
56–0020	Plug–Expansion	43	12	3
56–0100	Plug – Taper	43	37	1
56–0220	Pin – Dowel	43	35	2
56–0480	Key – Woodruff	40	8	1
56–0480	Key – Woodruff	37	18	2
56–1060	Snap Ring	40	15	1
56–1230	Shaft – Oil Filter	43	28	1
56–1570	Bolt Set	46	8	1
56–1580	Armature Set	46	23	1
56–1590	Bearing – Front	46	22	1
56–1600	Bearing – Rear	46	21	1
56–1610	Bolt	46	16	1
56–1640	Stopper Set	46	13	1
56–1670	Gear	46	10	1
56–1680	Cover Set	46	9	1
56–1700	Holder – Brush	46	18	1
56–1710	Spring – Brush	46	19	4
56–1720	Bracket – Rear	46	17	1
56–2460	Washer – Flat	28	36	A/R
57–6390	Nut – Hex.	34	42	2
58–6320	Wiper – Seal	11	1	1
58–6400	Bushing	11	5	1
58–6420	Cap Assembly	11	8	1
58–6450	O–Ring	11	2	2
58–6460	Ring – Retaining	11	9	1
59–9740	Latch Assembly	2	47	1
62–5550	Decal – TORO	2	37	1
62–7020	Wheel & Tire Assy. (Opt.)	13	*	2
62–7400	Decal – Toro	17	18	1
62–7650	Gasket	13	39	1
63–6010	Hose – Upper	12	18	1
63–6020	Hose – Lower	12	21	1
63–6030	Hub – Clutch	35	44	1
63–6040	Hose – Air Cleaner Inlet	24	21	1
63–6050	Clutch – Electric	35	40	1
63–6180	Brake Pedal Assembly LH	5	26	1
63–6190	Brake Pedal Assembly RH	5	29	1
63–6210	Pin – Brake	5	22	1
63–6240	Belt – PTO	8	18	1
63–6250	Shaft – PTO Tension	35	34	1
63–6290	Pin – Tension	35	26	1
63–6440	Shield – Radiator	12	27	1
63–6610	Drive Shaft	17	17	1
63–6630	Cylinder – Lift	10	31	2
63–6690	Lever – Clutch Anchor	35	42	1
63–6700	Bracket	35	10	1
63–6720	Lever – Idler	34	24	1
63–6750	Link – Brake Cable	5	19	2
63–6760	Swivel – Throttle Cable	34	14	1
63–6760	Throttle Cable Swivel Assy.	9	*	1
63–6890	Plate – Hinge RH	2	42	1
63–6900	Plate Hinge LH	1	10	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
63–7030	Screen – Hood	1	3	1
63–7141	Mount – Shock (Red)	8	8	1
63–7142	Mount – Shock (Yellow)	8	43	3
63–7170	Anchor – Transmission	17	41	1
63–7300	Fender – RH	2	39	1
63–7310	Fender LH	1	20	1
63–7320	Cover – Tower Rear	2	32	1
63–7340	Wire – Ground	8	1	1
63–7340	Wire – Ground	4	2	1
63–7340	Wire – Ground	34	49	1
63–7380	Expansion Tank Assembly	34	11	1
63–7400	Washer – Rebound	8	42	4
63–7410	Bracket – Bulkhead	10	37	1
63–7430	Gage – Temperature	3	15	1
63–7440	Solenoid – Stop	35	1	1
63–7590	Relay	24	47	2
63–7600	Hose – Fuel	12	23	1
63–7610	Hose	9	61	1
63–7620	Hose	24	19	1
63–7630	Hose	13	7	2
63–7630	Hose	24	42	1
63–7640	Sender – Fuel	13	6	1
63–7700	Screen Assembly	12	1	1
63–7710	Magnetic Strip	12	2	1
63–7730	Cable – Brake RH	5	16	1
63–7731	Cable – Brake LH	5	*	1
63–7790	Screw	35	13	10
63–7790	Screw	34	16	8
63–7880	Pin – Brake Latch	5	23	1
63–7900	Rack – Brake	5	15	1
63–7910	Rod – Brake Latch	5	9	1
63–7960	Lift Valve Assembly	11	*	1
63–7960	Valve – Lift	10	6	1
63–8050	Box – Control	2	40	1
63–8090	Lower Housing Assembly	14	1	1
63–8140	Pulley	34	28	1
63–8150	Key	35	41	1
63–8230	Angle – Clutch Anchor	35	16	2
63–8280	Head Assembly	8	12	1
63–8290	Vent – Air	8	45	1
63–8300	Element – Spin–On	8	13	1
63–8310	Valve – Drain	8	40	1
63–8360	Key – Ignition	3	10	1
63–8410	Washer – Flat	9	70	4
63–9750	Mount	9	69	2
65–2740	Spacer	11	10	1
65–2750	Plunger	11	11	1
65–2760	Spring	11	12	1
65–2770	Washer	11	6	1
65–2930	Plug Assembly	11	13	1
65–2950	Spring	11	7	1
65–5100	Handle – Hood	1	2	1
66–2320	Mount – Engine	34	19	1
66–2330	Base – Battery	8	6	1
66–2360	Support – Muffler	35	6	2
66–2440	Plate – Reservoir	34	10	1
66–2450	Bracket – Air Cleaner	25	74	1
66–2451	Bracket – Air Cleaner	24	29	2
66–2460	Panel – Control	3	1	1
66–2470	Plate – Tower	2	41	1
66–2490	Clamp – Battery Retainer	8	5	1
66–2590	Pin – Seat Spring	24	43	1
66–2630	Latch – Seat	24	14	1
66–2670	Bracket – Throttle	9	57	1
66–2720	Lever – Lift	10	4	1
66–2800	Rod – Seat Support	24	10	1
66–2870	Cable – Hood Stop	35	8	1
66–2870	Cable – Hood Stop	2	45	1
66–2900	Tie Rod End	35	20	1
66–2910	Bumper – Rubber	35	17	2
66–2920	Washer – Friction	9	53	2
66–2940	Gage – Fuel	3	6	1
66–2950	Meter – Hour	3	14	1
66–2960	Cluster – Warning Light	3	5	1
66–3050	Strip – Magnetic	1	15	1
66–3060	Dipstick – Differential	13	36	1
66–3100	Screw	35	29	1
66–3110	Hyd. Fitting	17	9	2
66–3130	Fitting – Hydraulic Tee	10	12	1
66–3160	Screw	35	48	1
66–3170	Hose	12	35	1
66–3180	Tube – Vent	12	20	1
66–3200	Tread – Foot Rest LH	1	29	1
66–3210	Tread – Foot LH	1	30	1
66–3240	Cap – Radiator	12	6	1
66–8110	Trim – Hood	1	8	1
66–8120	Standpipe	13	1	1
66–8140	Hose	5	31	1
66–8140	Hose – Hydraulic	20	11	1
66–8150	Hose – Hydraulic	20	6	1
66–8150	Hose – Hydraulic	10	14	1
66–8180	Hose – Hydraulic	20	5	1
66–8180	Hose Assembly	12	10	1
66–8190	Hose – Hydraulic	20	3	1
66–8190	Hose – Hydraulic	10	25	1
66–8490	Hose – Hydraulic	20	10	1
66–8490	Hose Assembly	17	23	1
66–8500	Hose	10	15	1
66–8500	Hose – Hydraulic	20	8	1
66–8500	Hose Assembly	12	30	1
66–8620	Tube – Hydraulic	20	9	1
66–8620	Tube – Hydraulic	5	33	1
66–8630	Tube – Hydraulic	20	7	1
66–8630	Tube – Hydraulic	5	32	1
66–8640	Hose – Hydraulic	20	4	1
66–8640	Hose – Hydraulic	10	33	1
66–8690	Lamp Harness	4	4	1
66–8700	Indicator – Glow	34	32	1
66–8750	Decal – Control Levers	25	56	1
66–8760	Decal – Tower LH	2	33	1
66–8770	Decal – Tower RH	2	*	1
66–8800	Relay	24	50	1
66–9970	Kit – Spring	6	*	1
66–9980	Kit – Seal	6	*	1
66–9990	Kit – Needle Roller	6	*	1
67–1631	Spacer	35	30	1
67–1690	Fitting	25	68	2
67–1710	Decal – Interlock	24	48	1
67–1720	Decal – Caution	1	27	2
67–1750	Bushing	28	2	2
67–1800	Pivot Plate Assembly	35	37	1
67–1900	Screw – Cap Hex. Hd.	17	43	1
67–2200	Seal	40	4	4
67–2210	Plug – Taper	43	36	3
67–2230	Seal–Oil	43	14	1
67–2250	Bolt	40	5	8
67–2260	Shaft–Idler	43	34	1
67–2270	Case – Oil Seal	43	15	1
67–2280	Gasket–Seal, Oil	43	13	1
67–2290	Cover	43	10	1
67–2300	Gasket	43	9	1
67–2310	Plate – Front	39	6	1
67–2320	Gasket – Plate	39	7	1
67–2330	Bolt	42	3	2
67–2330	Bolt	43	16	6
67–2330	Bolt	41	34	4
67–2330	Bolt	41	49	2
67–2340	Bolt W/Washer	39	3	3
67–2340	Bolt W/Washer	43	11	2
67–2340	Bolt W/Washer	41	17	4

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
67–2350	Plug – Expansion	43	25	1
67–2360	Bushing – Knock	43	26	2
67–2370	Bushing – Knock	43	32	1
67–2380	Bushing – Knock	43	27	3
67–2390	Plug – Taper	43	24	1
67–2410	Bearing Set 0.25 mm US	40	*	1
67–2420	Bearing Set 0.50 mm US	40	*	1
67–2430	Bracket – Starter	43	23	1
67–2440	Bolt W/Washer	43	22	3
67–2480	Gasket – Oil Pan	39	17	1
67–2500	Plunger – Relief	39	25	1
67–2510	Spring – Relief	39	26	1
67–2520	Plug	39	28	1
67–2530	Gear – Inner	39	12	1
67–2540	Gear – Outer	39	11	1
67–2550	Housing – Oil Pump	39	10	1
67–2560	Bolt W/Washer	39	9	3
67–2570	Plug – Taper	41	19	1
67–2570	Plug – Taper	39	29	1
67–2580	Gasket – Case	39	2	1
67–2590	Seal – Oil	39	23	1
67–2600	Bolt	42	5	1
67–2600	Bolt	39	21	3
67–2610	Bolt	42	9	2
67–2610	Bolt	39	22	4
67–2620	Bolt	39	24	1
67–2630	Seal – O–Ring	39	20	2
67–2640	Cap	39	30	1
67–2650	Oil Fill Cap Assembly	39	32	1
67–2660	Seal – O–Ring	39	31	1
67–2670	Hose – Breather	41	8	1
67–2680	Hanger –Engine	41	16	2
67–2700	Guide – Valve	41	42	6
67–2710	Cap – Sealing	41	41	3
67–2730	Bolt	41	43	8
67–2740	Bolt – Flange	41	15	3
67–2760	Gasket	41	14	1
67–2770	Nut – Cap	41	12	2
67–2780	Washer	41	13	2
67–2850	Connecting Rod Assembly	37	9	3
67–2860	Bolt	37	12	6
67–2890	Bearing Set 0.25 mm US	37	*	3
67–2900	Bearing Set 0.50 mm US	37	*	3
67–2910	Gear	37	7	1
67–2930	Pulley – Crankshaft	37	19	1
67–2940	Nut – Jam	37	22	1
67–2950	Washer	37	20	1
67–2960	Washer – Lock	37	21	1
67–2970	Flywheel Assembly	37	13	1
67–2980	Gear – Ring	37	15	1
67–2990	Bolt	37	14	4
67–3000	Washer	40	10	2
67–3010	Cam Shaft	40	7	1
67–3020	Gear	40	12	1
67–3030	Bearing	40	9	2
67–3040	Plate	40	14	1
67–3050	Bearing	40	22	1
67–3060	Shaft	40	21	1
67–3070	Gear	40	17	1
67–3080	Snap Ring	40	23	1
67–3090	Gear Assembly	40	13	1
67–3100	Retainer	37	32	6
67–3110	Spring	37	31	6
67–3120	Tappet	37	6	6
67–3130	Valve – Intake	37	28	3
67–3140	Valve – Exhaust	37	29	3
67–3150	Rod–Push	37	5	6
67–3160	Arm–Rocker	37	1	6
67–3170	Spring	37	40	2
67–3180	Cap	37	34	6
67–3190	Rocker Shaft Assembly	37	38	1
67–3200	Stay – Rocker	37	35	3
67–3210	Screw – Adjusting	37	4	6
67–3220	Pin	37	37	1
67–3230	Nut – Jam	37	2	6
67–3240	Snap Ring	37	3	2
67–3250	Bolt–Rocker Stay	38	43	2
67–3260	Washer	47	3	1
67–3260	Washer	45	8	2
67–3260	Washer	38	41	3
67–3280	Shim 0.2 mm	43	38	1
67–3290	Shim 0.3 mm	43	*	1
67–3300	Shim 0.5 mm	43	*	1
67–3310	Shim 0.4 mm	43	*	1
67–3320	Shim 0.6 mm	43	*	1
67–3330	Shim 0.7 mm	43	*	1
67–3340	Shim 0.8 mm	43	*	1
67–3350	Shim 0.9 mm	43	*	1
67–3360	Shim 1.0 mm	43	*	1
67–3370	Bolt W/Washer	43	39	4
67–3380	Nozzle & Holder Assembly	43	6	1
67–3380	Nozzle and Holder Assembly	44	*	3
67–3390	Gasket – Nozzle Holder	43	7	3
67–3400	Pipe Assy. No. 1	43	42	1
67–3410	Pipe Assy. No. 2	43	43	1
67–3420	Pipe Assy. No. 3	43	1	1
67–3430	Nut	43	2	3
67–3440	Gasket	43	4	3
67–3460	Housing–Pump	44	9	1
67–3480	Seal – O–Ring	44	4	3
67–3490	Spring	44	5	3
67–3500	Valve	44	7	3
67–3520	Sleeve	44	10	3
67–3530	Seat – Spring Upper	44	11	3
67–3540	Spring	44	12	3
67–3550	Seat – Spring Lower	44	13	3
67–3560	Plate – Shim 1.85 mm	44	14	1
67–3570	Plate – Shim 1.9 mm	44	*	1
67–3580	Plate – Shim 1.95 mm	44	*	1
67–3590	Plate – Shim 2.0 mm	44	*	1
67–3600	Plate – Shim 2.05 mm	44	*	1
67–3610	Plate – Shim 2.1 mm	44	*	1
67–3620	Plate – Shim 2.15 mm	44	*	1
67–3630	Plate – Shim 2.2 mm	44	*	1
67–3640	Plate – Shim 2.25 mm	44	*	1
67–3650	Plate – Shim 2.3 mm	44	14	1
67–3660	Plate – Shim 2.35 mm	44	*	1
67–3670	Plate – Shim 2.4 mm	44	*	1
67–3680	Plate – Shim 2.45 mm	44	*	1
67–3690	Plate – Shim 2.5 mm	44	*	1
67–3700	Tappet	44	15	3
67–3710	Screw – Air Bleed	44	24	1
67–3720	Washer	44	23	1
67–3730	Screw	44	22	1
67–3740	Holder–Delivery Valve	44	3	3
67–3740	Nipple – Swivel	44	21	1
67–3750	Washer	44	20	2
67–3760	Plate – Lock	44	2	3
67–3770	Screw W/Washer	44	1	3
67–3780	Rack	44	19	1
67–3790	Screw	44	17	2
67–3800	Bracket – Wire Stop	44	18	1
67–3810	Pin – Tappet Guide	44	16	3
67–3830	Washer 1.25 mm	44	31	1
67–3840	Washer 1.3 mm	44	1	1
67–3850	Washer 1.35 mm	44	*	1
67–3860	Washer 1.4 mm	44	*	1
67–3870	Washer 1.45 mm	44	*	1
67–3880	Washer 1.5 mm	44	*	1
67–3890	Washer 1.55 mm	44	*	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
67–3900	Washer 1.6 mm	44	*	1
67–3910	Washer 1.65 mm	44	31	1
67–3920	Washer 1.7 mm	44	*	1
67–3930	Spring	44	30	3
67–3940	Pin – Pressure	44	29	3
67–3950	Piece – Distance	44	28	3
67–3960	Nozzle	44	27	3
67–3970	Nut – Retaining	44	25	3
67–3980	Gasket	44	26	3
67–3990	Lever – Speed Control	45	1	1
67–4000	Pin	45	2	2
67–4010	Stopper	45	15	1
67–4030	Rod – Tie	45	23	1
67–4040	Weight Assembly	45	13	1
67–4050	Shaft – Governor	45	19	1
67–4060	Lever – Governor	45	18	1
67–4070	Shaft – Sliding	45	16	1
67–4080	Clip	45	24	1
67–4090	Lever – Tension	45	21	1
67–4110	Cover Assembly	45	*	1
67–4120	Pin – Grooved	45	35	1
67–4130	Cover – Governor	45	4	1
67–4140	Lever – Stop	45	11	1
67–4150	Lever – Stop	45	40	1
67–4160	Gasket	45	5	1
67–4170	Spring Set	45	*	1
67–4180	Nut	45	31	1
67–4190	Spring – Torque	45	28	1
67–4200	Nut – Special	45	30	1
67–4210	Case – Torque Spring	45	26	1
67–4220	Screw – Adjusting	45	29	1
67–4230	Stopper	45	27	1
67–4270	Bolt	45	3	4
67–4280	Bolt W/Washer	45	17	1
67–4290	Nut	45	34	4
67–4310	Gasket	37	23	1
67–4330	Oil Filter Assembly	43	40	1
67–4340	Screen Assembly	43	31	1
67–4350	Switch – Oil Pressure	42	8	1
67–4360	Pulley – Water Pump	42	1	1
67–4380	Water Pump Assembly	42	6	1
67–4390	Gasket – Water Pump	42	7	1
67–4400	Bolt	41	1	2
67–4400	Bolt	42	4	1
67–4410	V–Belt	42	2	1
67–4420	Fitting – Water	41	46	1
67–4430	Gasket – Fitting	41	45	1
67–4440	Thermostat	41	38	1
67–4450	Fitting – Thermostat	41	32	1
67–4460	Gasket – Switch	41	31	1
67–4470	Bolt	41	33	1
67–4480	Pipe – By–Pass	41	37	1
67–4490	Gasket	41	30	1
67–4500	Switch – Thermo	41	29	1
67–4510	Gauge Nut – Temperature	41	35	1
67–4520	Pipe	41	2	1
67–4530	Cover – Intake	41	5	1
67–4540	Seal – O–Ring	41	3	1
67–4550	Gasket–Intake Manifold	41	44	1
67–4560	Manifold – Exhaust	41	24	1
67–4570	Gasket – Exhaust Manifold	41	26	1
67–4580	Bolt	41	22	2
67–4590	Bolt	41	23	4
67–4610	Bolt W/Washer	46	2	2
67–4620	Spacer	47	21	1
67–4630	Alternator Assembly	47	1	1
67–4640	Bolt	47	22	1
67–4660	Bolt – Flange	47	26	1
67–4670	Nut	47	2	1
67–4680	Plug – Glow	41	39	3
67–4690	Plate – Glow Plug	41	40	1
67–4700	Lamp – Glow	41	27	1
67–4720	Lever	46	4	1
67–4730	Spring Set	46	5	1
67–4750	Switch	46	7	1
67–4760	Shaft Assembly	46	15	1
67–4770	Pinion Set	46	14	1
67–4780	Gear Set	46	12	1
67–4790	Shaft	46	11	1
67–4800	Yoke	46	20	1
67–4810	Pulley Set	47	16	1
67–4820	Bolt Set	47	20	1
67–4830	Front Bracket Assembly	47	15	1
67–4840	Screw Set	47	18	1
67–4850	Bearing – Front	47	19	1
67–4860	Rotor Assembly	47	7	
67–4870	Bearing – Rear	47	6	1
67–4880	Stator	47	10	1
67–4890	Rear Cover Assembly	47	9	1
67–4900	Terminal Set	47	11	1
67–4910	Regulator Assembly	47	12	1
67–4920	Brush	47	13	2
67–4930	Rectifier	47	8	1
67–5040	Spring	45	20	1
67–7050	Field Rotor Assembly	36	1	1
67–7060	Ring – Retaining	36	8	1
67–7070	Armature & Pulley Assembly	36	5	1
67–7080	Collar – Bearing	36	6	1
67–7090	Bearing – Pulley	36	7	1
67–7100	Plate – Brake	36	11	1
67–7120	Fusible Link	4	5	1
67–7160	Fuse Block	24	1	1
67–7180	Wire – Seat	4	9	1
68–5140	Steering Wheel Cap Assy.	5	7	1
68–5370	Decal – Toro	5	40	1
68–6824	Rear Axle Assembly	28	1	1
68–7010	Flange	14	26	1
68–7370	Wire – Glow	4	11	1
68–7380	Connector Assembly	4	12	1
68–9400	Nut – Hex.	35	5	4
69–4780	Clamp – Gauge	3	18	1
70–2560	Decal – Lube	28	16	1
70–7530	Spring – Compression	10	3	1
70–8560	Retainer – Glow Plug	34	30	1
70–8700	Pipe – Fuel Return	43	3	1
70–8720	Spring – Tie Rod	45	22	1
70–8760	Starter Assembly	46	1	1
70–8770	Bracket – Front	46	3	1
70–8780	Bracket – Center	46	6	1
70–8870	Guide – Oil Level	43	8	1
70–8880	Dipstick	43	5	1
71–1520	Cap – Reservoir	34	44	1
71–2910	Angle – Engine Mount	34	17	1
71–3384	Hose	12	9	1
71–3500	Lever – Throttle	9	55	1
71–4330	Seal	15	48	1
71–4340	Washer	14	27	1
71–4350	Nut	15	47	1
71–4450	Bolt – Wheel	28	18	10
71–4530	Tie Rod Assembly	29	*	1
71–4540	Washer	28	14	1
71–4570	Housing – Clutch	28	27	1
71–4580	Clutch – Roller	28	25	2
71–4590	Washer – Thrust	28	24	2
71–4690	Screw – Cap Hex. Hd.	28	22	2
71–4750	Tube & Clamp Assembly	29	21	1
71–4760	Seal – Rod	29	15	2
72–3410	Yoke – Flange	22	1	1
72–3420	Shaft – Yoke, Slip	22	3	1
72–3440	Yoke – Shaft	22	6	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
72–3450	Yoke – Flange, Split	23	6	1
72–3560	Decal – 4wd	2	52	2
72–3570	Shim .094 – Diff. Adjust.	14	28	A/R
72–3571	Shim .096 – Diff. Adjust.	14	*	A/R
72–3572	Shim .098 – Diff. Adjust.	14	*	A/R
72–3573	Shim .100 – Diff. Adjust.	14	*	A/R
72–3574	Shim .102 – Diff. Adjust.	14	*	A/R
72–3575	Shim .104 – Diff. Adjust.	14	*	A/R
72–3576	Shim .106 – Diff. Adjust.	14	*	A/R
72–3577	Shim .108 – Diff. Adjust.	14	*	A/R
72–3578	Shim .110 – Diff. Adjust.	14	*	A/R
72–3580	Shim .112 – Diff. Adjust.	14	*	A/R
72–3581	Shim .114 – Diff. Adjust.	14	*	A/R
72–3582	Shim .116 – Diff. Adjust.	14	*	A/R
72–3583	Shim .118 – Diff. Adjust.	14	*	A/R
72–3584	Shim .120 – Diff. Adjust.	14	*	A/R
72–3585	Shim .125 – Diff. Adjust.	14	*	A/R
72–3586	Shim .127 – Diff. Adjust.	14	*	A/R
72–3587	Shim .129 – Diff. Adjust.	14	*	A/R
72–3588	Shim .131 – Diff. Adjust.	14	*	A/R
72–3590	Shim .133 – Diff. Adjust.	15	28	A/R
72–3591	Shim .135 – Diff. Adjust.	15	*	A/R
72–3592	Shim .137 – Diff. Adjust.	15	*	A/R
72–3593	Shim .139 – Diff. Adjust.	15	*	A/R
72–3594	Shim .141 – Diff. Adjust.	15	*	A/R
72–3595	Shim .143 – Diff. Adjust.	15	*	A/R
72–3596	Shim .145 – Diff. Adjust.	15	*	A/R
72–3597	Shim .147 – Diff. Adjust.	15	*	A/R
72–3598	Shim .149 – Diff. Adjust.	15	*	A/R
72–3600	Shim .151 – Diff. Adjust.	15	*	A/R
72–4320	Switch	25	57	1
72–4870	Case – Differential	30	24	1
72–4880	Cover	30	2	1
72–4890	O–Ring	30	3	1
72–4900	Case – Differential	30	8	1
72–4910	Flange – Case	30	12	1
72–4930	Gear – Side	30	9	1
72–4940	Gear – Side	30	40	1
72–4950	Gear – Pinion	30	10	2
72–4960	Shim .1 mm	30	5	1
72–4970	Shim .15 mm	30	*	1
72–4980	Shim .5 mm	30	*	1
72–4990	Shim .8 mm	30	*	1
72–5000	Shim 1.0 mm	30	*	1
72–5010	Shim 1.2 mm	30	*	1
72–5020	Shaft – Pinion	31	47	1
72–5030	Pin – Dowel	31	45	2
72–5040	Washer – Gear	30	11	1
72–5050	Tube – Axle RH	30	16	1
72–5060	Axle – RH	30	17	1
93–3664	Seal – O–Ring	30	14	2
93–3665	Seal – O–Ring	30	15	2
93–3666	Gear Box – Axle	32	23	2
93–3667	Case – Knuckle	32	38	2
93–3668	Washer – Thrust	32	21	2
93–3669	Bearing – Needle	32	22	2
93–3670	Seal – O–Ring	32	1	4
93–3671	Pin – Dowel	32	7	4
93–3672	Arm – Knuckle	32	8	2
72–5090	Gear – Bevel	32	18	2
72–5090	Gear – Bevel	30	21	2
72–5100	Spacer	30	20	2
72–5110	Tube – Axle LH	31	44	1
72–5120	Axle – LH	30	41	1
72–5130	Vent	30	23	1
72–5140	O–Ring	30	25	1
72–5150	Plug	30	26	1
72–5160	Shim .1mm	30	29	1
72–5170	Shim .15 mm	30	*	1
72–5180	Shim .5 mm	30	*	1
72–5190	Shim .8 mm	30	*	1
72–5200	Shim 1.0 mm	30	*	1
72–5210	Shim 1.2 mm	30	*	1
72–5360	Ring – Retaining	30	19	2
72–5370	Ring – Retaining	30	22	2
72–5440	Pin –Spring	31	46	1
72–5460	O–Ring	30	32	1
72–5540	Case – Knuckle	32	30	2
72–5550	Cover	32	26	2
72–5560	Pin – King, Knuckle	32	20	2
72–5570	Shaft – Axle, Outer	32	35	2
72–5580	Gear – Bevel	32	5	4
72–5590	Retainer – Bearing	32	15	2
72–5630	Gasket	32	16	2
72–5650	Hub – Wheel	32	34	2
72–5660	Washer – Shaft, Wheel	32	33	2
72–5680	Spacer	32	19	2
72–5720	Ring – Retaining	32	4	2
72–5730	Seal – Oil	32	24	4
72–5740	Seal – Oil	32	2	2
72–5770	Nut – Castle	32	32	2
72–5780	Key	32	36	2
72–5790	Screw – Cap, M6 x 18	32	13	12
72–5800	Bolt	30	1	8
72–5810	Bolt	30	7	8
72–5820	Plug	30	28	1
72–5840	Gasket	30	27	1
72–6140	Cover – Rear	47	27	1
72–9390	Seat Belt Assembly	26	1	1
72–9420	Vent Assembly	15	40	1
74–0720	Tube – Manual	27	1	1
75–0560	Wheel – Steering	5	6	1
75–0900	Engine	34	18	1
75–4900	Bearing Set STD	40	3	1
75–4910	Oil Pan Assembly	39	14	1
75–4920	Case	39	1	1
75–4930	Cylinder Head Assembly	41	28	1
75–4940	Brace – Alternator	47	23	1
75–4950	Gasket – Cylinder Head	41	25	1
75–4960	Block Assembly	40	1	1
75–4970	Element	44	8	3
75–4980	Lever – Governor Spring	45	7	1
75–4990	Spring – Governor	45	25	1
75–5000	Body	44	32	3
75–5010	Bearing Set STD	37	8	3
75–5020	Injector Pump Assembly	43	41	
75–5040	Gasket Kit	39	*	1
75–5050	Ring Set STD	37	11	3
75–5060	Ring Set 0.25 mm OS	37	*	3
75–5070	Ring Set 0.50 mm OS	37	*	3
75–5080	Piston & Pin Set STD	37	10	3
75–5090	Piston & Pin Set	37	*	3
75–5100	Piston & Pin Set	37	*	3
75–5110	Cover Assy.	37	24	1
75–5120	Gasket	38	45	1
75–6880	Spark Arrester Screen	35	*	1
76–1000	Cable – Throttle	9	59	1
76–3080	Lift Arm Assembly RH	13	*	1
76–3090	Lift Arm Assembly LH	13	30	1
76–4690	Coupling – Axle	28	32	1
76–4790	Pad – Rubber	1	11	1
76–4830	Rod – Tie	10	18	1
76–8750	Plate – Warning	12	12	1
77–0550	Tube – Fill	15	44	1
77–2970	Ring & Pinion Assembly	31	*	1
82–2310	Radiator Assembly	12	26	1
82–5730	Rod End	33	15	1
82–5740	Nut – Jam	33	14	1
82–8110	Retainer – Oil Guide	43	44	1
82–8530	Fitting	17	26	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
82–8950	Foam	2	51	2
83–5180	Shim – Axle	29	23	A/R
83–5330	Washer – Bearing	30	38	1
83–5340	Nut – Bearing	30	37	1
83–5350	Case – Bearing	30	33	1
83–5360	Seal – Oil	30	36	1
83–9150	Decal – Starting Fluid	24	23	1
84–1870	Bracket	34	23	1
84–1880	Fan – Cooling	34	1	1
84–1890	Pulley – Fan	34	2	1
84–1910	Muffler	35	3	1
84–1930	Hub – Fan	34	3	1
84–1940	Hub	34	7	1
84–1960	Decal – Service	1	18	1
84–7580	Plate – Bushing Support	9	64	1
84–7660	Clamp – Column	5	44	1
84–7670	Foam – Column Support	5	43	2
84–8600	Brake Shoe Set	16	16	1
85–4980	PTO Switch Assembly	3	3	1
85–7540	Wire Harness	4	3	1
85–7560	Plate – Control Panel	3	16	1
86–7190	Upper Housing Assembly	14	22	1
86–7220	Gear – Spur	17	36	1
86–7230	Gear – Spur	14	17	1
86–7470	Diode	4	6	1
88–3590	Nut – Lock	33	12	1
92–0845	Crankshaft	37	16	1
92–0846	Cover Assembly	41	6	1
92–0847	Cap – Oil Filler	41	11	1
92–1676	Gear & Pinion Assembly	15	*	1
92–1773	Screw – Cap Hex. Hd.	14	14	4
92–1774	Oil Seal	16	2	2
92–2377	Axle Assembly	13	34	1
92–4907	Assembly – Diff. Carrier	15	*	1
92–5050	Pin – Rear Axle	28	8	1
92–5053	Frame – Rear	28	5	1
92–5061	Support – Cylinder	29	7	1
92–5067	Arm – Steering LH	29	13	1
92–5070	Arm – Steering RH	29	22	1
92–5072	Rod End Assembly	29	28	1
92–5075	Shaft – Traction Pedal	7	22	1
92–5076	Adapter – Filter	17	45	1
92–5077	Bracket – Footrest	7	27	1
92–5080	Hose – Hydraulic	29	1	1
92–5080	Hose – Hydraulic	20	12	1
92–5080	Hose – Hydraulic	5	37	1
92–5081	Hose – Hydraulic	29	2	1
92–5081	Hose – Hydraulic	20	13	1
92–5081	Hose – Hydraulic	5	46	1
92–5082	Hose	17	35	2
92–5082	Hose – Hydraulic	20	1	2
92–5083	Hose – Hydraulic	20	2	1
92–5083	Hose – Hydraulic	15	41	1
92–5083	Hose – Hydraulic	17	49	1
92–5084	Driveshaft (Complete)	22	*	1
92–5085	Union – Filter	17	32	1
92–5086	Fitting – Hydraulic 90°	17	47	1
92–5087	Seal – Filter Adapter	17	33	1
92–5088	Fitting – 45°	15	30	1
92–5090	Stop – Rear Axle	28	12	1
92–5092	Pedal – Traction	7	2	1
92–5093	Bracket – Pivot	7	7	1
92–5094	Arm – Traction	7	20	1
92–5511	Stop – Oscillation	29	20	2
92–5512	Fitting – Hydraulic Straight	18	52	2
92–5513	Transmission	17	6	1
92–5514	Footrest	7	30	1
92–5515	Bracket – Tie Down	26	9	2
92–5516	Bracket – R.O.P.S. RH	26	*	1
92–5517	Bracket – R.O.P.S. LH	26	15	1
92–5518	Frame – R.O.P.S.	26	6	1
92–5521	Strap – Tie Down	26	20	2
92–5529	Hydraulic Cylinder Assembly	29	6	1
92–5532	Link	7	29	1
92–5534	Shaft – Traction Pedal	7	26	1
92–5536	Tube – Traction Control	17	1	1
92–5536	Tube – Traction Control	7	15	1
92–5537	Pin – Pedal Pivot	7	8	1
92–5538	Pad – Traction Pedal Front	7	1	1
92–5539	Pad – Traction Pedal Rear	7	3	1
92–5540	Tread – Foot RH	1	31	1
92–5545	Cover – Tower Front	2	36	1
92–5548	Shield – Pedal Stop	2	53	1
92–5703	Piston	33	11	1
92–5704	Rod	33	2	1
92–5705	Cap – Threaded	33	1	1
92–5706	Head – Cap	33	5	1
92–5707	Seal Repair Kit	33	*	1
92–5708	Screw – Set	33	17	1
92–5709	Housing	19	6	1
92–5716	Center Section	19	39	1
92–5717	Plug – Pipe	19	40	1
92–5721	Plate – Link	7	13	1
92–5750	Pad – Footrest	7	31	1
92–5753	Clamp – Hose	2	55	3
92–5757	Radiator Support Assembly	12	5	1
92–5759	Plate – Seat	24	9	1
92–5772	Decal Traction Pedal	2	38	1
92–5773	Decal – Starting Instructions	25	79	1
92–5774	Decal – Warning	1	17	1
92–5784	Tube – Yoke, Slip	22	5	1
92–6500	Frame Assembly	2	35	1
92–6501	Tool Box Assembly	1	19	1
92–6502	Tool Box Cover Assembly	1	14	1
92–6503	Fan Shroud Assembly	12	19	1
92–7308	Power Steering Valve Assy.	5	3	1
92–7310	Bolt – Special	6	36	4
92–7314	Assembly – Column	6	*	1
92–7315	Seal	6	28	1
92–7316	Nut – Pus On	6	38	4
92–7317	Foam	6	39	1
92–7892	Bracket – Switch, Seat	24	51	1
92–8751	Bracket – PTO Bearing	8	26	1
92–8775	Kit – Gasket, Liquid	16	*	
92–8799	Bearing	35	33	1
92–8799	PTO Shaft Bearing Assembly	8	23	1
92–8855	Shaft – PTO	8	20	1
92–8873	Tank – Fuel	13	40	1
92–8876	Belt – Fan	34	29	1
92–8877	Seat Frame Assembly	25	55	1
92–8938	Tube – Yoke, Half–Slip	23	4	1
92–9786	Carrier Bracket	13	31	2
92–9788	Pin – Pivot	13	25	2
93–1395	Plate – Skid	8	38	2
93–3102	Cap – Fuel	13	11	1
93–3186	Decal – GM 223–D	1	5	2
93–3192	Decal – Hood RH	1	*	1
93–3193	Decal – Hood LH	1	7	1
93–4133	Lip Seal	19	9	1
936125	Ring – Retaining	17	37	1
217–106	Wheel	28	19	2
217–116	Rim – 23 x 10.5 x 12	13	*	1
217–117	Rim – 23 x 8.5 x 12	13	19	2
218–446	Nut – Hex.	3	9	1
218–447	Washer – Lock	3	8	1
218–461	Nut – Jam	25	64	2
218–473	Boot – Switch	3	11	1
218–497	Nut – Face	3	12	1
218–573	Fuse 5.0A	4	8	2
218–574	Fuse 7.5A	4	7	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
218–576	Nut – Hex.	3	4	1
219–17	Bulb – Light	4	10	4
231–95	Tire – 23 x 10.5 x 12	13	*	2
231–101	Tire – 23 x 8.5 x 12	13	18	2
231–122	Tire	28	17	2
232–27	Stem – Valve	28	20	2
232–27	Valve Stem w Cap	13	*	2
232–27	Valve Stem w/Cap	13	21	2
233–17	Knob	5	8	1
233–39	Knob	10	5	1
233–39	Knob	9	54	1
237–7	O–Ring	25	62	1
237–21	Seal – O–Ring	29	3	2
237–22	O–Ring	17	25	1
237–22	O–Ring	10	28	2
237–22	O–Ring	5	38	2
237–22	Seal – O–Ring	10	11	7
237–30	O–Ring	5	36	2
237–30	O–Ring	25	58	1
237–42	O–Ring	17	7	4
237–65	Seal – O–Ring	10	9	5
237–78	Seal – O–Ring	29	5	2
237–78	Seal – O–Ring	18	51	3
237–79	Seal – O–Ring	17	46	2
237–136	Grommet	13	12	3
242–34	Stud – Axle Flange	16	9	10
2411–36	End – Rod	7	18	1
2411–45	Rod End	29	16	2
2412–4	R–Clamp	17	40	1
2412–34	Clamp – Hose	12	17	4
2412–34	Clamp – Hose	15	42	2
2412–34	Clamp – Hose	17	48	1
2412–36	Clamp	5	34	2
2412–36	Clamp	13	38	1
2412–36	Clamp – Hose	10	13	3
2412–42	Clamp – Hose	24	22	1
2412–74	R–Clamp	25	52	1
2412–92	Clamp – Hose	25	73	1
2412–96	R–Clamp	13	9	1
2412–103	Clamp – R	12	22	2
2412–104	R–Clamp	9	73	1
2412–107	R–Clamp	25	71	1
2412–108	Clamp	13	2	4
2412–108	Clamp	9	52	2
2412–108	Clamp – Hose	12	7	8
2412–108	Clamp – Hose	24	41	4
2412–108	Hose Clamp	17	34	4
2412–119	Clamp – Hose	15	49	1
2412–133	R–Clamp	27	2	2
251–8	Bearing – Ball	32	6	2
251–77	Collar – Locking	8	22	1
251–259	Bearing – Ball	21	23	1
251–263	Bearing – Ball	32	25	2
251–344	Bearing – Ball	30	4	1
251–345	Bearing – Ball	30	13	1
251- 347	Bearing – Ball	32	12	2
251–348	Bearing – Ball	32	3	2
251–349	Bearing – Ball	32	17	2
251–350	Bearing – Ball	30	18	2
253–155	Seal	28	28	2
254–65	Cone – Bearing	15	33	2
254–66	Cup – Bearing	15	32	2
254–90	Cup – Bearing	14	24	1
254–91	Cone – Bearing	14	25	1
254–108	Bearing – Tapered Roller	30	31	1
254–109	Bearing – Tapered Roller	30	39	1
256–42	Bushing	5	27	4
256–101	Bushing	13	28	4
256–116	Bushing	7	11	2
256–156	Bushing – Flange	7	10	2
256–219	Bushing	7	19	2
256–299	Bushing	35	36	2
281–7	Plug – Pipe, Square Hd.	32	37	2
281–10	Plug – Socket, Hex.	32	27	2
282–27	Clevis	10	22	1
283–16	Pin – Clevis	10	19	1
283–49	Pin – Clevis	24	8	2
283–58	Pin – Clevis	5	17	4
283–58	Pin – Clevis	10	23	1
283–58	Pin – Clevis	2	44	1
283–58	Pin – Clevis	35	52	1
284–3	Plug – Welch	28	30	1
285–17	Plug – Pipe	19	28	4
289–6	Nipple – Pipe	15	45	1
2810–1	Coupler	15	46	1
302–5	Fitting – Grease	28	26	1
302–5	Fitting – Grease	5	30	2
302–5	Fitting – Grease	35	32	1
302–33	Fitting – Grease 90°	28	9	1
302–40	Fitting – Grease	35	51	1
302–40	Fitting – Grease	9	79	1
302–55	Fitting – Grease	29	17	3
302–58	Fitting – Grease	22	4	1
302–58	Fitting – Grease	23	5	
302–58	Fitting – Grease	8	30	1
302–59	Plug – Grease	28	3	1
302–62	Fitting – Grease	13	29	2
304–46	Drain Cock	12	28	1
304–46	Fitting – Drain	13	37	1
304–99	Fitting – Hydraulic 90°	10	27	2
321–3	Screw – Cap Hex. Hd.	1	4	7
321–3	Screw – Cap Hex. Hd.	35	14	2
321–3	Screw – Cap Hex. Hd.	5	21	1
321–3	Screw – Cap Hex. Hd.	34	37	4
321–4	Screw – Cap Hex. Hd.	8	9	4
321–4	Screw – Cap Hex. Hd.	24	12	4
321–4	Screw – Cap Hex. Hd.	12	16	4
321–4	Screw – Cap Hex. Hd.	21	21	2
321–4	Screw – Cap Hex. Hd.	34	35	1
321–4	Screw – Cap Hex. Hd.	10	38	2
321–4	Screw – Cap Hex. Hd.	2	54	2
321–5	Screw – Cap Hex. Hd.	13	16	3
321–6	Screw – Cap Hex. Hd.	25	69	1
321–8	Screw – Cap Hex. Hd.	24	38	2
321–9	Screw – Cap Hex. Hd.	21	3	2
321–11	Screw – Cap Hex. Hd.	10	16	2
322–3	Screw – Cap Hex. Hd.	8	37	1
322–3	Screw – Cap Hex. Hd.	25	72	4
322–4	Screw	34	6	2
322–5	Screw – Cap Hex. Hd.	5	4	2
322–5	Screw – Cap Hex. Hd.	13	8	1
322–5	Screw – Cap Hex. Hd.	24	32	5
322–5	Screw – Cap Hex. Hd.	27	3	2
322–5	Screw – Cap Hex. Hd.	8	39	15
322–5	Screw – Cap Hex. Hd.	2	56	3
322–6	Screw – Cap Hex. Hd.	35	50	1
322–8	Screw – Cap Hex. Hd.	28	35	2
322–9	Screw – Cap Hex. Hd.	8	34	4
322–11	Screw – Cap Hex. Hd.	34	21	1
322–13	Screw – Cap Hex. Hd.	24	5	4
322–14	Screw – Cap Hex. Hd.	26	14	2
322–14	Screw – Cap Hex. Hd.	25	85	2
322–17	Screw – Cap Hex. Hd.	21	18	1
323–6	Screw – Cap Hex. Hd.	34	25	1
323–8	Screw – Cap Hex. Hd.	34	26	1
323–8	Screw – Cap Hex. Hd.	19	29	2
323–9	Screw – Cap Hex. Hd.	23	2	2
323–9	Screw – Cap Hex. Hd.	8	3	2
323–9	Screw – Cap Hex. Hd.	7	17	1
323–9	Screw – Cap, Hex. Hd.	29	18	2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
323–10	Screw – Cap Hex. Hd.	8	27	2
323–10	Screw – Cap Hex. Hd.	19	43	4
323–11	Screw – Cap Hex. Hd.	8	41	3
323–18	Screw – Cap Hex. Hd.	8	14	1
323–34	Screw – Cap Hex. Hd.	35	43	1
323–39	Screw – Cap Hex. Hd.	21	14	2
323–39	Screw – Cap Hex. Hd.	17	28	3
324–4	Screw – Cap Hex. Hd.	26	10	4
324–5	Screw – Cap Hex. Hd.	13	27	4
324–23	Screw – Cap Hex. Hd.	19	35	2
325–5	Screw – Cap Hex. Hd.	26	7	4
325–5	Screw – Cap Hex. Hd.	28	7	2
325–9	Screw – Cap Hex. Hd.	26	17	4
325–14	Screw – Cap Hex. Hd.	26	5	2
325–23	Screw – Cap Hex. Hd.	28	11	1
3210–5	Screw – Cap Hex. Hd.	17	12	4
3210–7	Screw – Cap Hex. Hd.	21	4	1
3210–7	Screw – Cap Hex. Hd.	14	23	8
3210–7	Screw – Cap Hex. Hd.	29	29	1
3210–8	Screw – Cap Hex. Hd.	17	24	2
3212–4	Screw – Cap Hex. Hd.	26	4	2
3212–5	Screw	35	25	1
3215–3	Screw	29	19	6
3216–3	Screw – Cap Hex. Hd.	10	32	2
3217–5	Nut – Hex.	34	47	1
3217–9	Nut – Lock	26	18	4
3217–16	Nut – Hex.	21	11	2
3217–29	Nut – Hex.	12	37	2
3218–3	Nut – Jam	17	42	2
3219–2	Nut	14	2	8
3219–2	Nut – Hex.	21	6	1
3219–6	Nut – Hex.	13	32	4
3220–2	Nut – Jam	35	21	1
3220–2	Nut – Jam RH	10	21	1
3220–3	Nut – Jam	7	16	1
3220–5	Nut – Jam	29	25	1
3220–6	Nut	6	27	1
3220–6	Nut –Hex.	5	5	1
3220–7	Nut – Jam	18	50	1
3220–11	Nut – Jam	29	8	4
3230–2	Bolt – Carriage	34	13	1
3230–2	Bolt – Carriage	7	25	2
3230–2	Carriage – Bolt	21	12	2
3230–4	Bolt – Carriage	35	35	2
3230–4	Bolt – Carriage	9	67	2
3230–23	Bolt – Carriage	34	9	2
3230–23	Bolt – Carriage	1	28	4
3234–5	Screw – Flange Hd.	12	8	8
3234–13	Screw – Flange Hd.	1	24	8
3234–13	Screw – Flange Hd.	9	74	1
3234–14	Screw – Flange Hd.	1	21	8
3234–17	Screw – Flange Hd.	12	4	2
3234–17	Screw – Flange Hd.	24	15	2
3234–25	Screw – Flange	28	4	4
3234–29	Screw _ Cap Hex. Flange Hd.	35	7	1
3241–6	Screw – Set	17	13	2
3246–1	Screw – Set	8	21	1
3249–3	Screw – Round Hd.	12	36	2
3249–11	Screw – Round Hd.	21	8	2
3250–39	Screw – Pan Head	35	18	2
3253–3	Washer – Lock	10	8	2
3253–3	Washer – Lock	22	8	6
3253–3	Washer – Lock	8	10	4
3253–3	Washer – Lock	24	13	2
3253–3	Washer – Lock	13	15	5
3253–3	Washer – Lock	28	33	6
3253–3	Washer – Lock	34	36	5
3253–4	Washer – Lock	26	13	2
3253–4	Washer – Lock	9	76	4
3253–4	Washer – Lock	25	84	2
3253–6	Washer – Lock	26	3	2
3253–7	Washer – Lock	26	16	6
3253–8	Washer – Lock	13	13	4
3253–15	Washer – Lock	13	5	5
3253–21	Washer – Lock	21	13	2
3253–21	Washer – Lock	8	15	3
3253–21	Washer – Lock	17	31	4
3254–2	Washer – Lock ITLW	34	48	1
3254–9	Washer – Lock I.T.L.W.	21	10	2
3255–8	Washer – Lock	14	3	8
3255–8	Washer – Lock	1	12	4
3255–8	Washer – Lock ETLW	8	46	1
3255–8	Washer – Lock, Ext. Tooth	24	39	1
3256–1	Washer – Flat	3	21	4
3256–22	Washer – Flat	10	7	2
3256–22	Washer – Flat	12	15	4
3256–22	Washer – Flat	24	18	9
3256–22	Washer – Flat	5	35	3
3256–23	Washer – Flat	10	1	1
3256–23	Washer – Flat	5	1	4
3256–23	Washer – Flat	24	3	6
3256–23	Washer – Flat	27	4	2
3256–23	Washer – Flat	26	12	2
3256–23	Washer – Flat	21	19	2
3256–23	Washer – Flat	35	19	4
3256–23	Washer – Flat	34	20	1
3256–23	Washer – Flat	5	42	2
3256–23	Washer – Flat	28	40	4
3256–24	Washer – Flat	8	4	4
3256–24	Washer – Flat	24	7	1
3256–24	Washer – Flat	7	12	5
3256–24	Washer – Flat	35	22	2
3256–24	Washer – Flat	34	27	1
3256–24	Washer – Flat	17	44	1
3256–25	Washer – Flat	26	2	2
3256–25	Washer – Flat	13	26	4
3256–26	Washer – Flat	10	2	2
3256–26	Washer – Flat	17	2	1
3256–26	Washer – Flat	26	8	6
3256–26	Washer – Flat	5	14	1
3256–27	Washer – Flat	24	45	1
3256–67	Washer – Flat	13	14	3
3256–69	Washer – Flat	5	45	A/R
3256–69	Washer – Flat	25	77	1
3256–71	Washer – Flat	17	21	2
3257–5	Key – Woodruff	19	11	2
3257–5	Key – Woodruff	8	19	1
3257–5	Key – Woodruff	17	11	1
3258–19	Screw – Cap Hex. Hd.	24	30	2
3269–10	Washer – Flat	12	29	3
3269–13	Rivet	12	31	3
3272–4	Pin – Cotter	25	75	2
3272–5	Pin – Cotter	5	13	3
3272–5	Pin – Cotter	10	20	1
3272–6	Pin – Cotter	7	14	3
3272–10	Pin – Cotter	17	4	1
3272–10	Pin – Cotter	7	9	4
3272–10	Pin – Cotter	5	18	5
3272–10	Pin – Cotter	2	46	1
3272–10	Pin – Cotter	35	53	1
3272–11	Pin – Cotter	24	6	2
3272–11	Pin – Cotter	29	11	2
3272–15	Pin – Cotter	8	7	1
3272–17	Pin – Cotter	32	31	2
3272–17	Pin – Cotter	13	33	2
3272–23	Pin – Cotter	10	29	4
3272–31	Pin – Cotter	10	39	1
3273–38	Screw – Hex Socket Hd.	13	35	4
3274–32	Screw – Hex. Hd. Socket	1	13	4
3274–64	Screw – Cap Hex. Hd.	28	34	6

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
3274–64	Screw – Cap, Soc. Hd.	22	7	6
3274–65	Screw – Socket Hd.	3	2	4
3290–55	Rivet	12	13	2
3290–255	Pin – Hair, Cotter	24	11	1
3290–271	Rivet	2	48	4
3290–359	Screw – Machine	1	9	4
3290–378	Tie – Cable	25	61	1
3290–378	Tie – Cable	9	75	1
3296–4	Nut – Lock	29	26	1
3296–6	Nut – Lock	36	9	3
3296–9	Nut – Lock	35	15	2
3296–12	Nut – Hex.	2	49	4
3296–12	Nut – Lock	3	19	1
3296–12	Nut – Lock	24	49	4
3296–15	Nut – Lock	10	24	2
3296–20	Nut – Lock	5	2	4
3296–25	Nut – Lock	28	6	2
3296–29	Nut – Lock	35	9	1
3296–29	Nut – Lock	5	10	2
3296–29	Nut – Lock	34	12	3
3296–29	Nut – Lock	21	20	3
3296–29	Nut – Lock	8	25	12
3296–29	Nut – Lock	28	31	2
3296–29	Nut – Lock	10	40	1
3296–39	Nut – Lock	29	14	2
3296–39	Nut – Lock	7	21	1
3296–39	Nut – Lock	34	22	2
3296–39	Nut – Lock	8	24	7
3296–39	Nut – Lock	17	39	2
3296–42	Nut – Lock	21	1	4
3296–42	Nut – Lock	24	4	3
3296–42	Nut – Lock	12	11	4
3296–42	Nut – Lock	35	11	2
3296–42	Nut – Lock	5	25	1
3296–42	Nut – Lock	10	34	2
3296–45	Nut – Lock	28	13	1
3296–48	Nut – Lock	13	17	4
3296–48	Nut – Lock	26	19	4
3296–51	Nut – Lock	28	15	1
3296–59	Nut – Lock	35	23	1
32105–1	Screw	3	17	1
32105–8	Screw	34	45	2
32105–13	Screw – Cap Hex. Hd.	24	2	4
32107–11	Nut – Square	24	28	2
32120–10	Ring – Retaining	34	4	1
32121–6	Pin – Roll	7	4	1
32121–6	Pin – Roll	24	46	1
32121–15	Pin – Roll	15	34	1
32121–32	Pin – Roll	35	39	1
32121–34	Pin – Roll	23	1	1
32121–34	Pin – Roll	28	29	1
32121–34	Pin – Roll	8	33	1
32121–44	Pin – Roll	33	16	1
32121–50	Pin – Roll	5	24	1
32121–91	Pin	19	14	3
32122–24	Screw – Machine	13	4	5
32128–20	Nut – Flange	34	8	3
32128–20	Nut – Flange	1	25	4
32128–20	Nut – Flange	24	26	9
32128–20	Nut – Flange	9	72	4
32128–20	Nut – Lock	12	3	6
32128–20	Nut – Lock	13	10	1
32128–23	Nut – Flange Lock	26	11	4
32128–25	Nut – Lock	35	54	1
32128–33	Nut – Flange	1	6	13
32128–33	Nut – Flange Hd.	9	78	1
32128–33	Nut – Hex. Flange	25	76	3
32128–44	Nut – Flange Lock	7	28	2
32128–44	Nut – Flange Lock	2	57	3
32128–49	Nut – Flange	7	23	2
32128–50	Pin – Roll	7	32	1
32128–56	Nut – Flange	7	24	2
32136–13	Nut – Slotted	29	12	2
32144–1	Screw – Hex. Hd.	3	20	2
32144–14	Screw – Cap Hex. Hd.	28	10	1
32144–21	Screw – Pan Hd. Phillips	5	41	1
32148–6	Nut – Clinch	25	78	6
32148–7	Nut – Clinch	2	59	22
32148–8	Nut – Clinch	9	80	4
32148–9	Nut – Clinch	2	58	3
32148–9	Nut – Clinch	25	86	2
32148–10	Nut – Clinch	2	60	10
32148–11	Nut – Clinch	10	41	2
32148–11	Nut – Clinch	9	77	2
32149–1	Nut – Keps	35	31	2
32149–1	Nut – Lock	9	65	2
32149–7	Nut – Keps	34	46	2
32151–46	Ring – Retaining	19	1	2
32151–83	Snap Ring	35	47	2
32151–87	Ring – Retaining	28	23	1
32152–5	Nut – Lock	17	14	6
32153–2	Nut – Lock	23	7	2
340–2	Fitting – Hydraulic Straight	10	10	1
340–70	Nut – Fitting	10	35	1
340–71	Fitting – Hydraulic Bulkhead	10	36	1
340–77	Fitting – Hydraulic 90°	10	*	1
340–77	Fitting – Hydraulic 90°	10	17	2
340–86	Fitting – Hydraulic Tee	10	26	1
340–132	Fitting – Hydraulic 90°	29	4	2
353–508	Plug Assembly	11	14	1
353–781	Fitting 90°	8	11	1
353–783	Fitting – Straight	8	44	1
353–979	Hose Barb	17	8	1
353–988	Plug – Hydraulic	18	55	1
353–990	Plug – Hydraulic	18	56	1
354–20	Block	12	32	1
354–21	Fitting – Fuel	12	34	1
354–22	Fitting – Fuel	12	33	2
354–71	Pipe Nipple	15	43	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 223D 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 223D, 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 223D.
2. Part number, description, and the quantity of part(s) desired.

NOTE: Do not order by reference number if a parts catalog is being used; use the PART NUMBER.

TABLE OF CONTENTS

Description	Page	Description	Page
Body Assembly	1–2	R.O.P.S. Assembly	26
Control Panel Assembly	3	Manual Storage	27
Electrical Schematic	4	Rear Axle Installation Assembly	28
Power Steering & Brake Pedal Assembly	5	Steering Linkage Assembly	29
Steering Valve Assembly No. 92–7308	6	Rear Axle Assembly No. 68–6824	30–32
Traction Pedal Assembly	7	Hydraulic Steering Cylinder No. 92–5529	33
Power Take Off, Battery & Engine Mount	8–9	Engine Assembly	34
Hydraulic Lift System Assembly	10	Power Take–Off Assembly	35
Lift Valve Assembly No. 63–7960	11	Clutch Assembly No. 63–6050	36
Radiator Assembly	12	Valves & Crankshaft Assembly	37–38
Fuel Tank and Axle Assembly	13	Crankcase Assembly	39
Front Axle Assembly No. 92–2377	14–15	Camshaft Assembly	40
Brake Assembly	16	Cylinder Head Assembly	41
Transmission & Drive Coupling Assembly	17–18	Water Pump Assembly	42
Transmission Assembly No. 92–5513	19	Fuel Supply & Engine Block Assembly	43
Hydraulic Schematic	20	Fuel Injection Pump Assembly	44
Transmission Interlock Assembly	21	Governor Assembly	45
Drive Shaft Assembly No. 92–5084	22	Starter Assembly	46
Full Time 4WD Drive Shaft Assy. No.92–9075	23	Alternator Assembly	47
Seat Frame & Air Cleaner Assembly	24–25	TORO Part Number Index	48–57

MAINTENANCE RECORD

Date								

MAINTENANCE RECORD

Date								