FORM NO. 3315–940

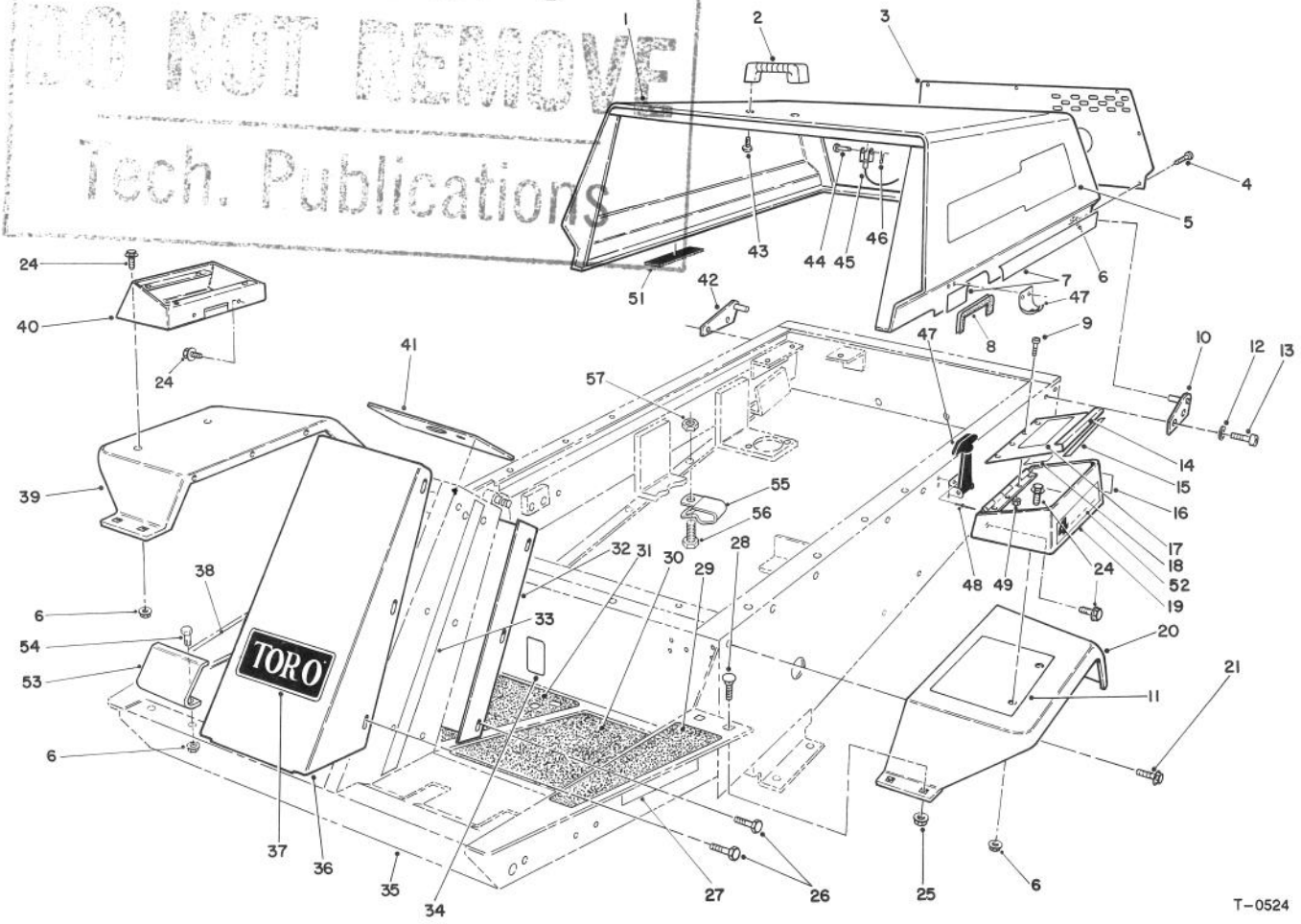
TORO®

MODEL NO. 30243–30001 & UP

PARTS CATALOG

GROUNDSMASTER® 223–D 4wd
TRACTION UNIT

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BODY ASSEMBLY

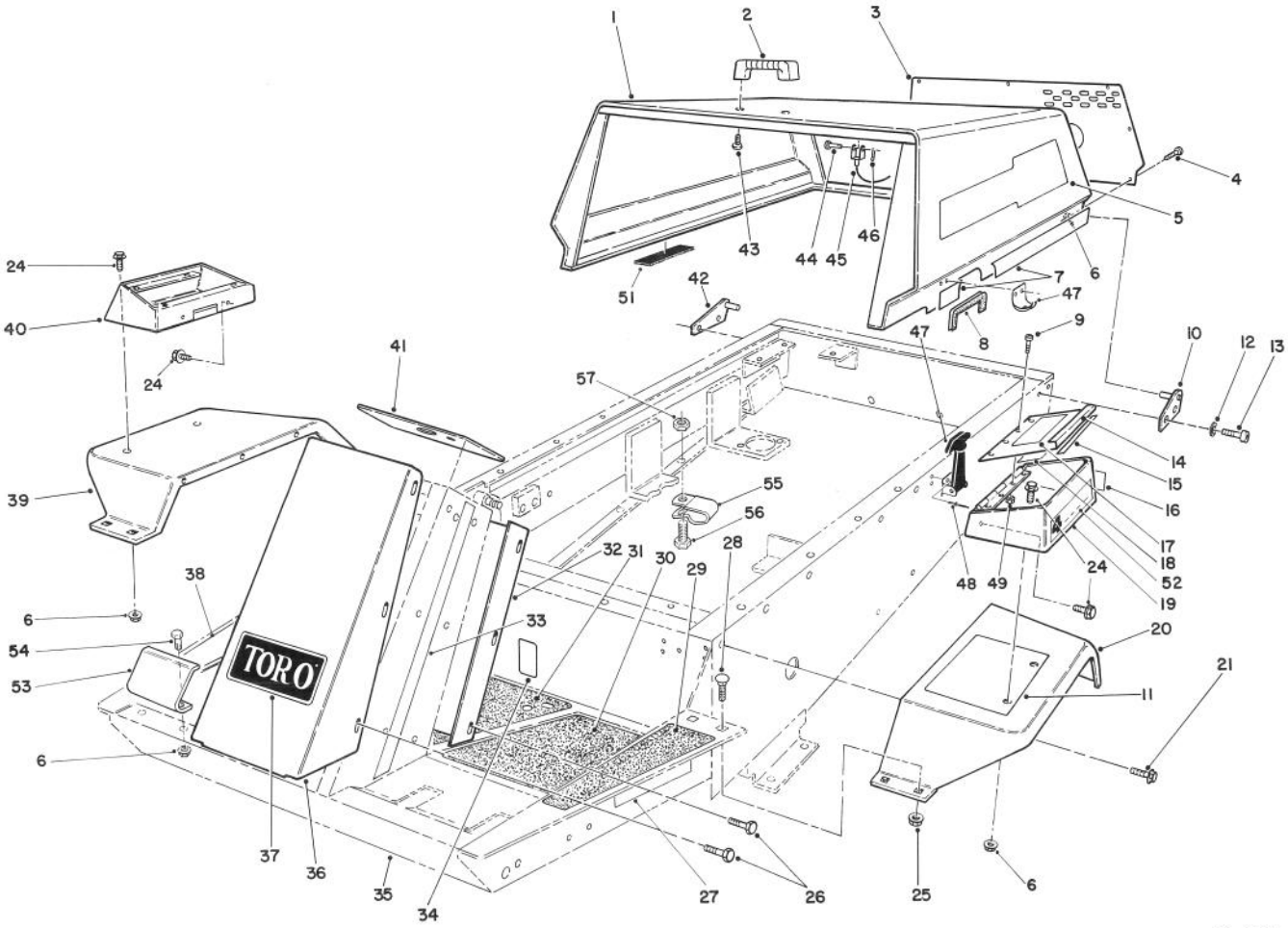
Ref. No.	Part No.	Description	No. Used
1	14–7149	Hood Assembly	1
2	65–5100	Handle – Hood	1
3	63–7030	Screen – Hood	1
4	321–3	Screw – Cap Hex. Hd.	7
5	84–1950	Decal – GM 223–D	2
6	32128–33	Nut – Flange	13
7	66–8680	Decal – Hood LH	1
*	66–8670	Decal – Hood RH	1
8	66–8110	Trim – Hood	1
9	3290–359	Screw – 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

Ref. No.	Part No.	Description	No. Used
15	66–3050	Strip – Magnetic	1
16	27–7310	Decal (Caution Over Fill)	1
17	92–5774	Decal – Caution	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

TPS

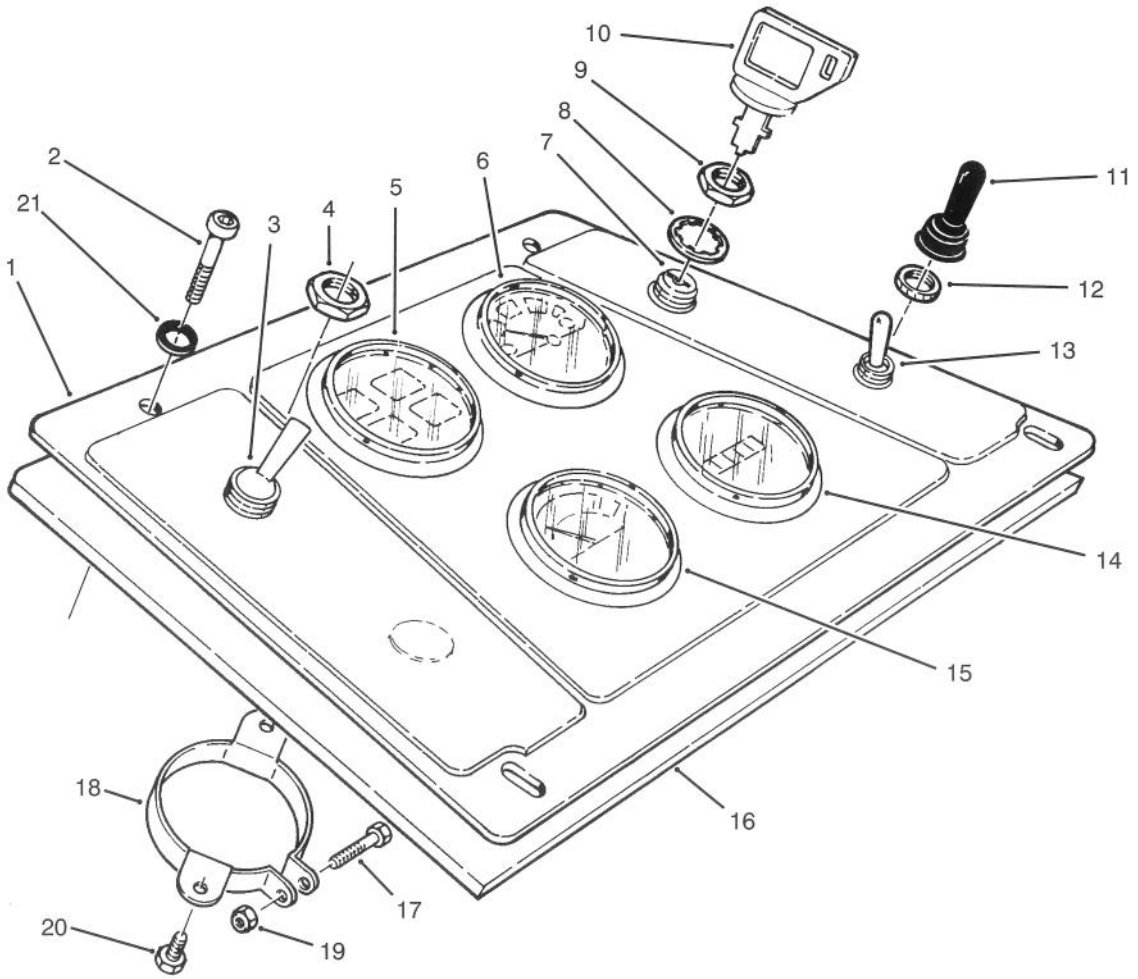
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BODY ASSEMBLY (Continued)

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, 34 & 38)	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

Ref. No.	Part No.	Description	No. Used
44	283–58	Pin – Clevis	1
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	32128–25	Nut – Flange Lock	3

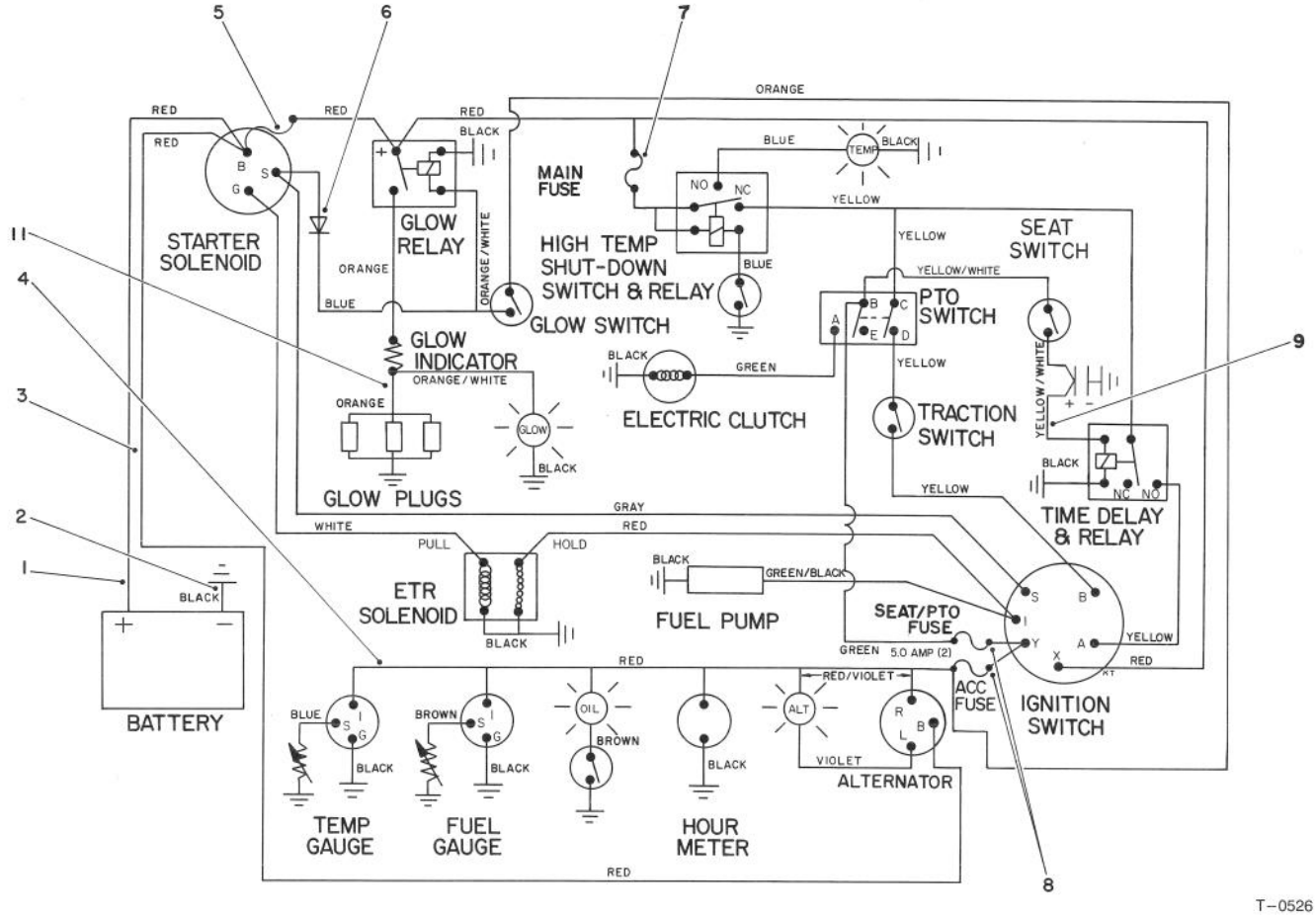


T–0525

CONTROL PANEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	66–2460	Panel – Control	1
2	3274–64	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	3256–22	Washer – Flat	4

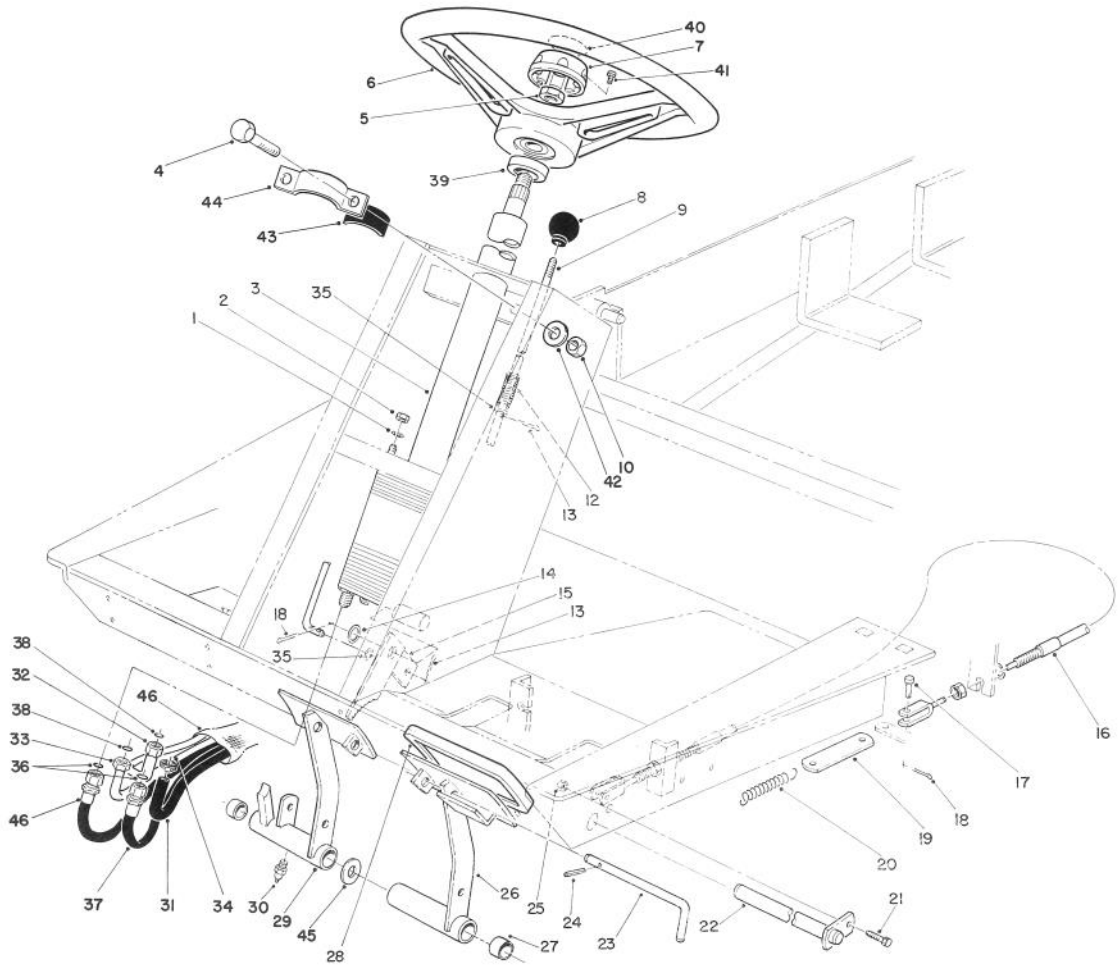


T–0526

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	67–7130	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



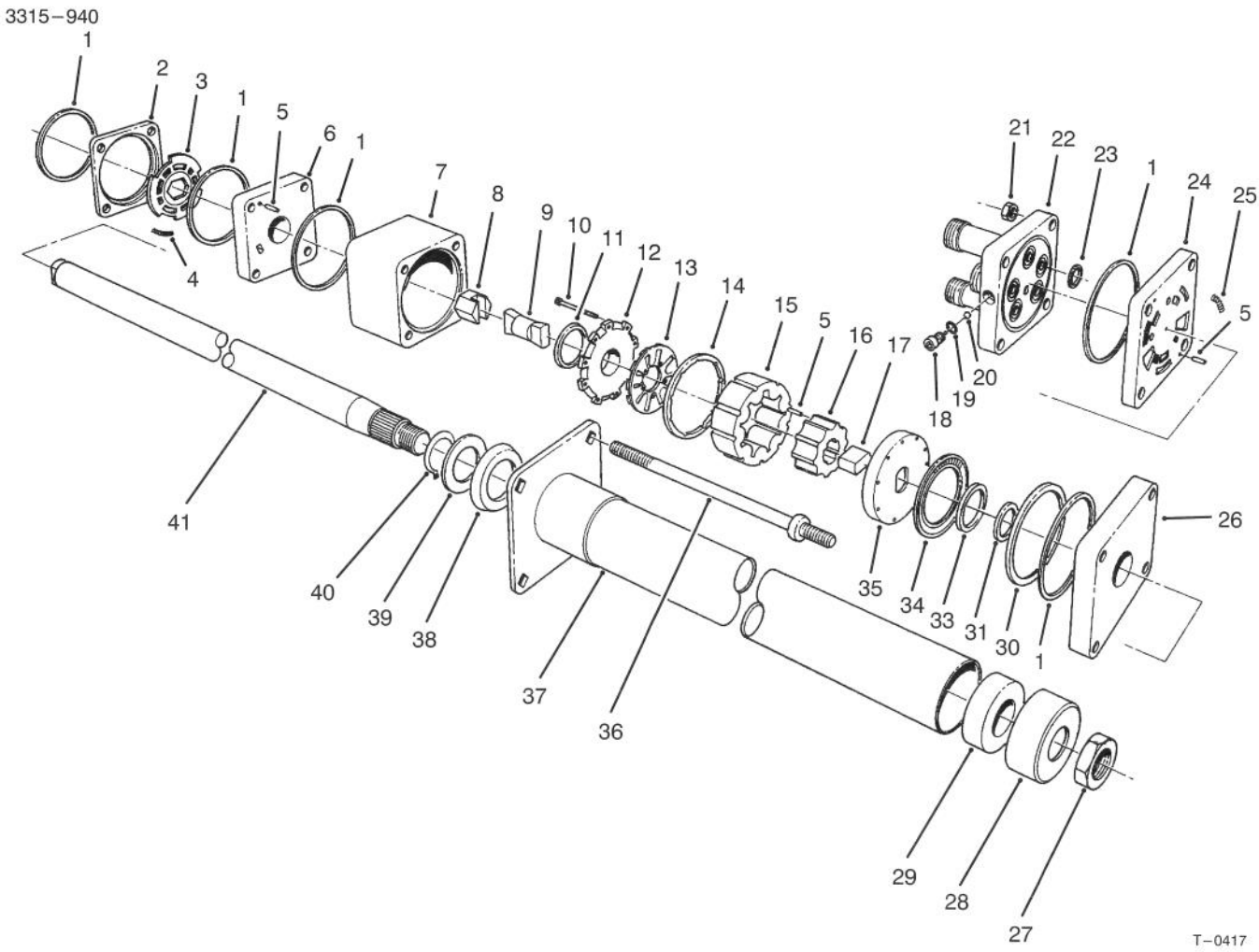
T–1247

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	63–9250	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 LH	1
*	63–7731	Cable – Brake RH	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

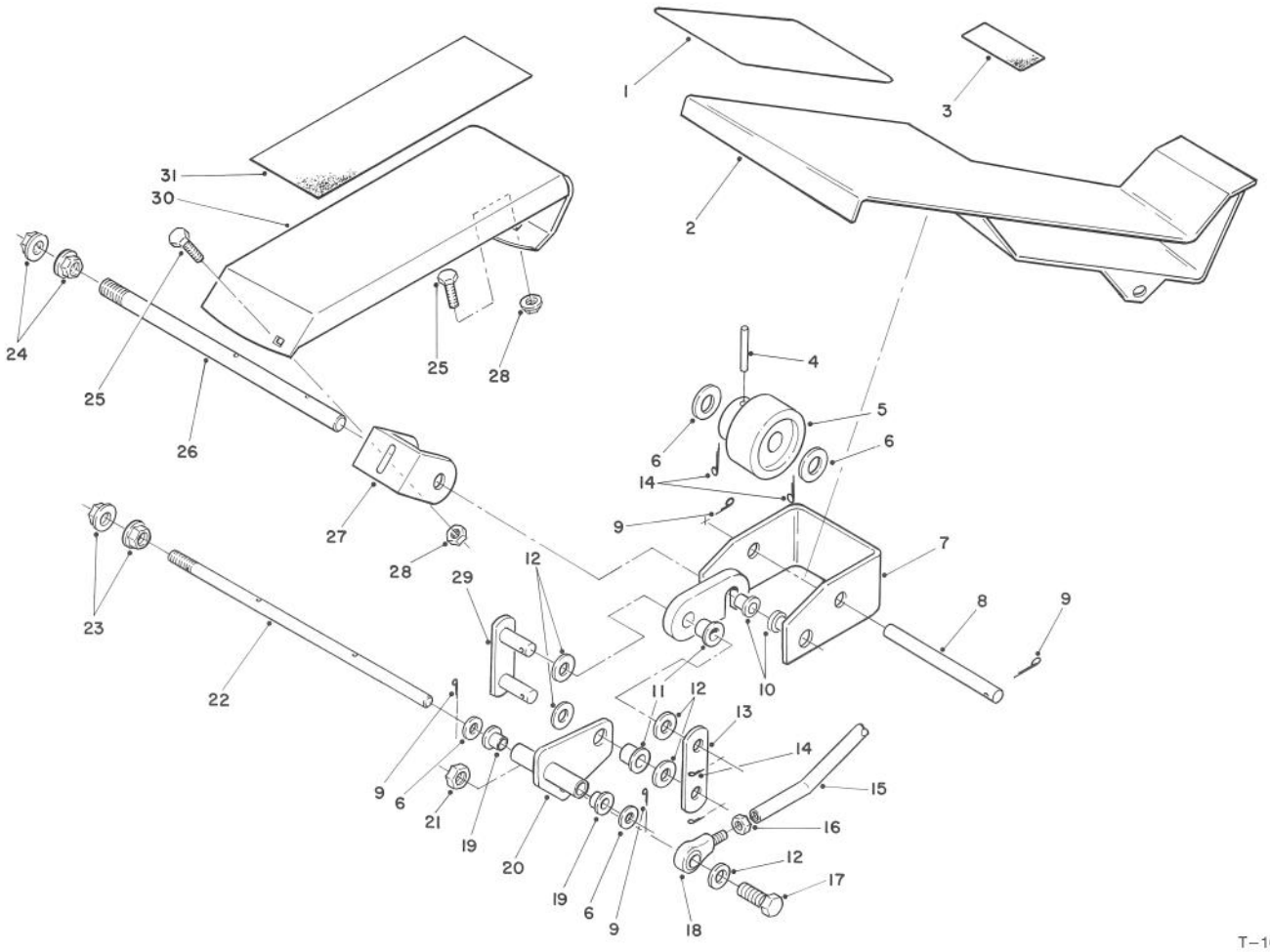


STEERING VALVE ASSEMBLY NO. 63–9250

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

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

*Not Illustrated

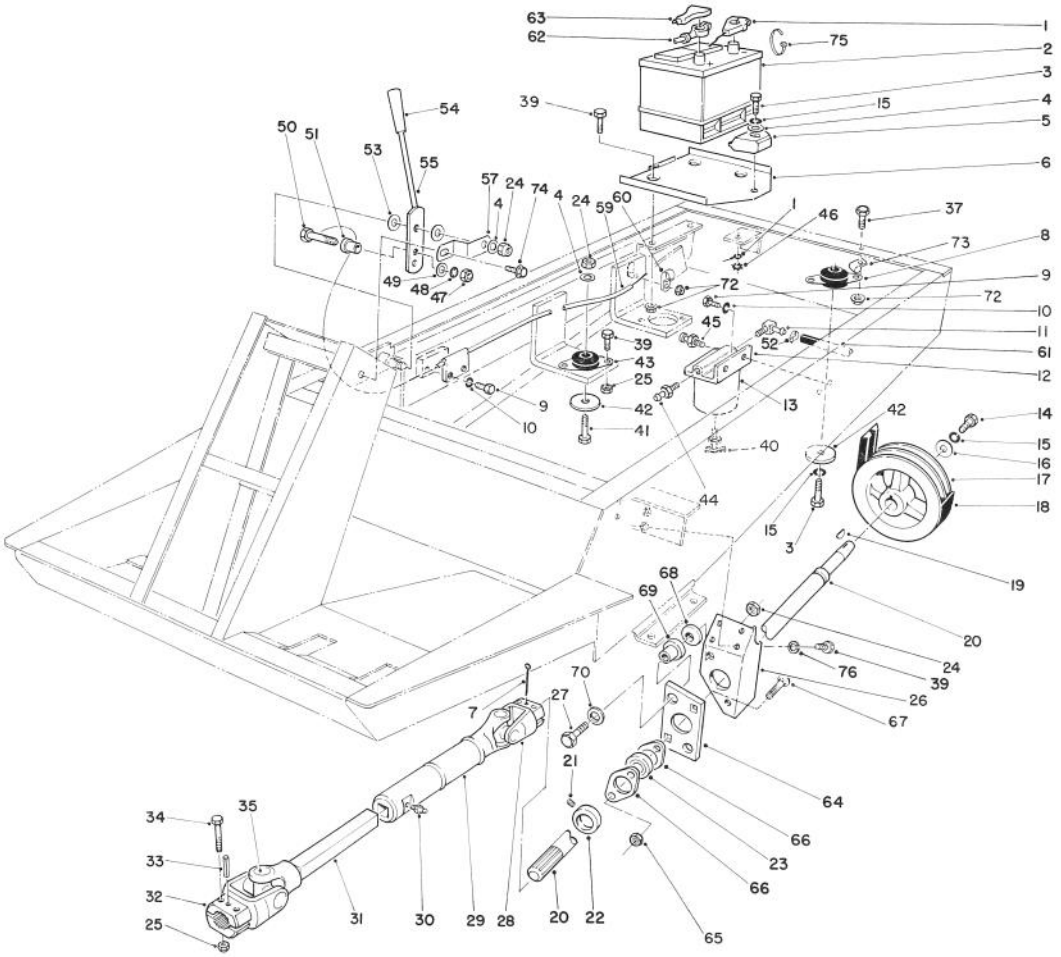


T–1688

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	4
15	92–5536	Rod – Pump 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	32128–25	Nut – Flange Lock	2
29	92–5532	Link	1
30	92–5514	Footrest	1
31	92–5750	Pad – Footrest	1



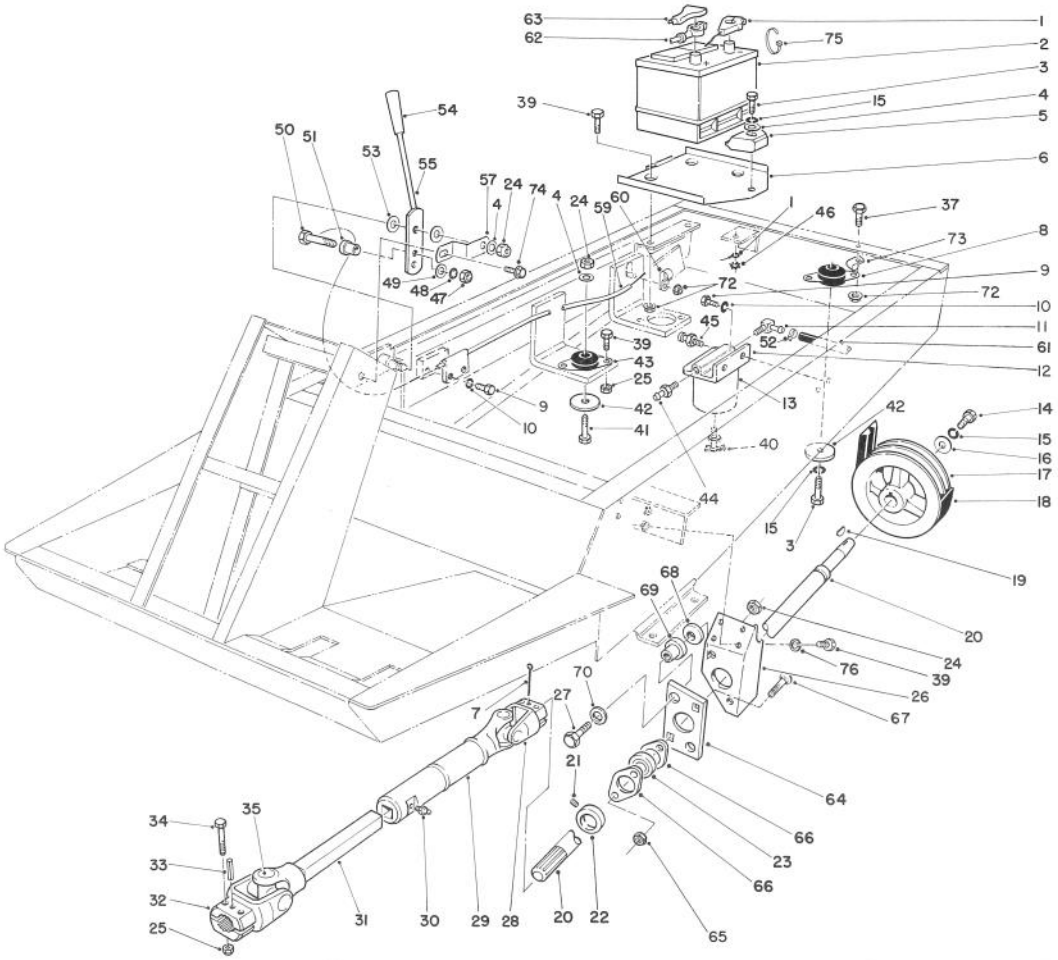
T–0530

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	63–6220	Shaft – PTO	1
21	3246–1	Screw – Set	1
22	251–77	Collar – Locking	1

Ref. No.	Part No.	Description	No. Used
23	251–253	PTO Shaft Bearing Assembly (Incl. Ref. #21 & 22)	1
24	3296–39	Nut – Lock	7
25	3296–29	Nut – Lock	12
26	63–6530	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



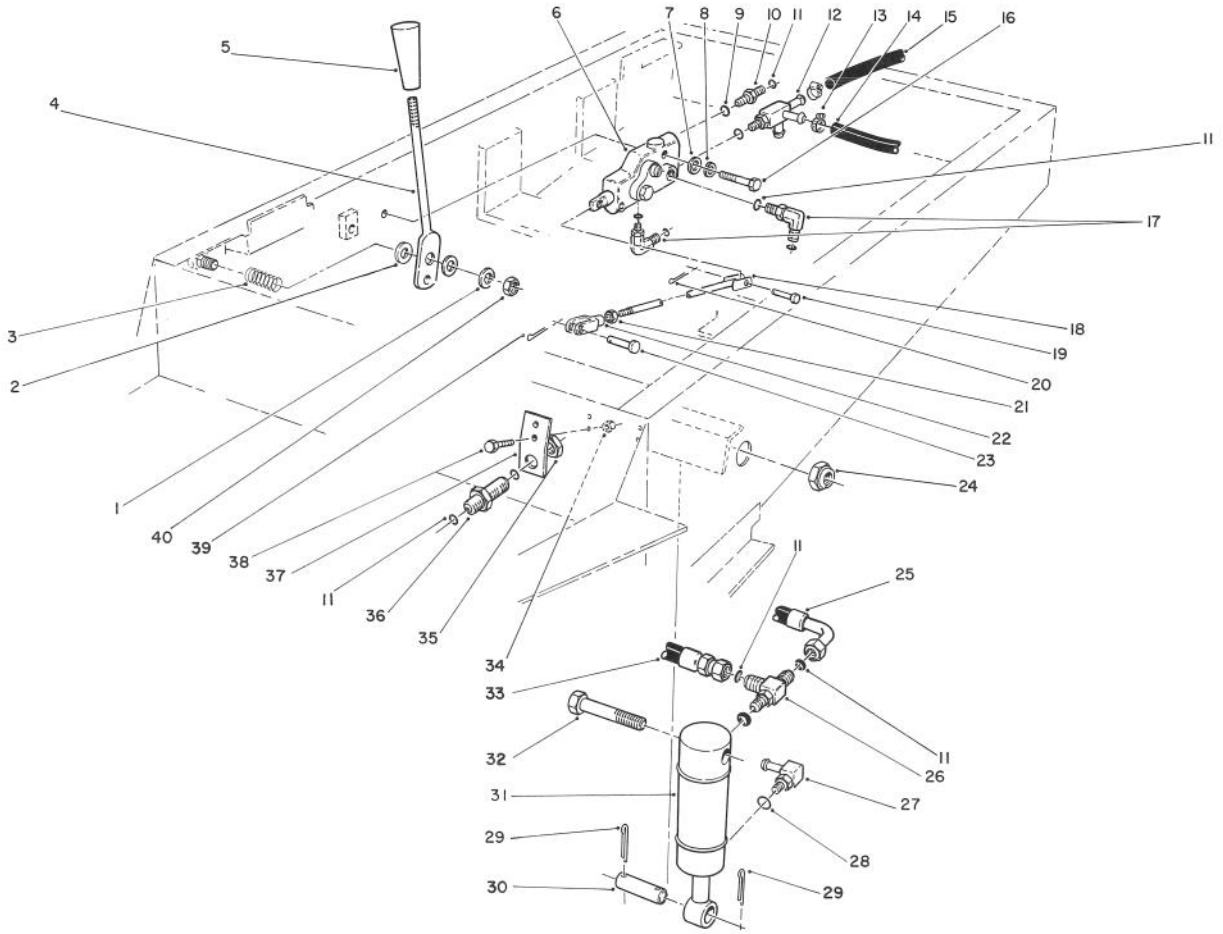
T–0530

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
60	67–7210	R–Clamp	2
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

Ref. No.	Part No.	Description	No. Used
65	32149–1	Nut – Lock	2
66	251–326	Flange – Bearing	2
67	3230–2	Bolt – Carriage	2
68	67–1630	Spacer – PTO	2
69	63–9750	Mount	2
70	63–8410	Washer – Flat	2
72	32128–20	Nut – Flange	5
73	2412–104	R–Clamp	2
74	3234–13	Screw – Flange Hd.	1
75	3290–378	Tie – Cable	1
76	3253–4	Washer – Lock	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



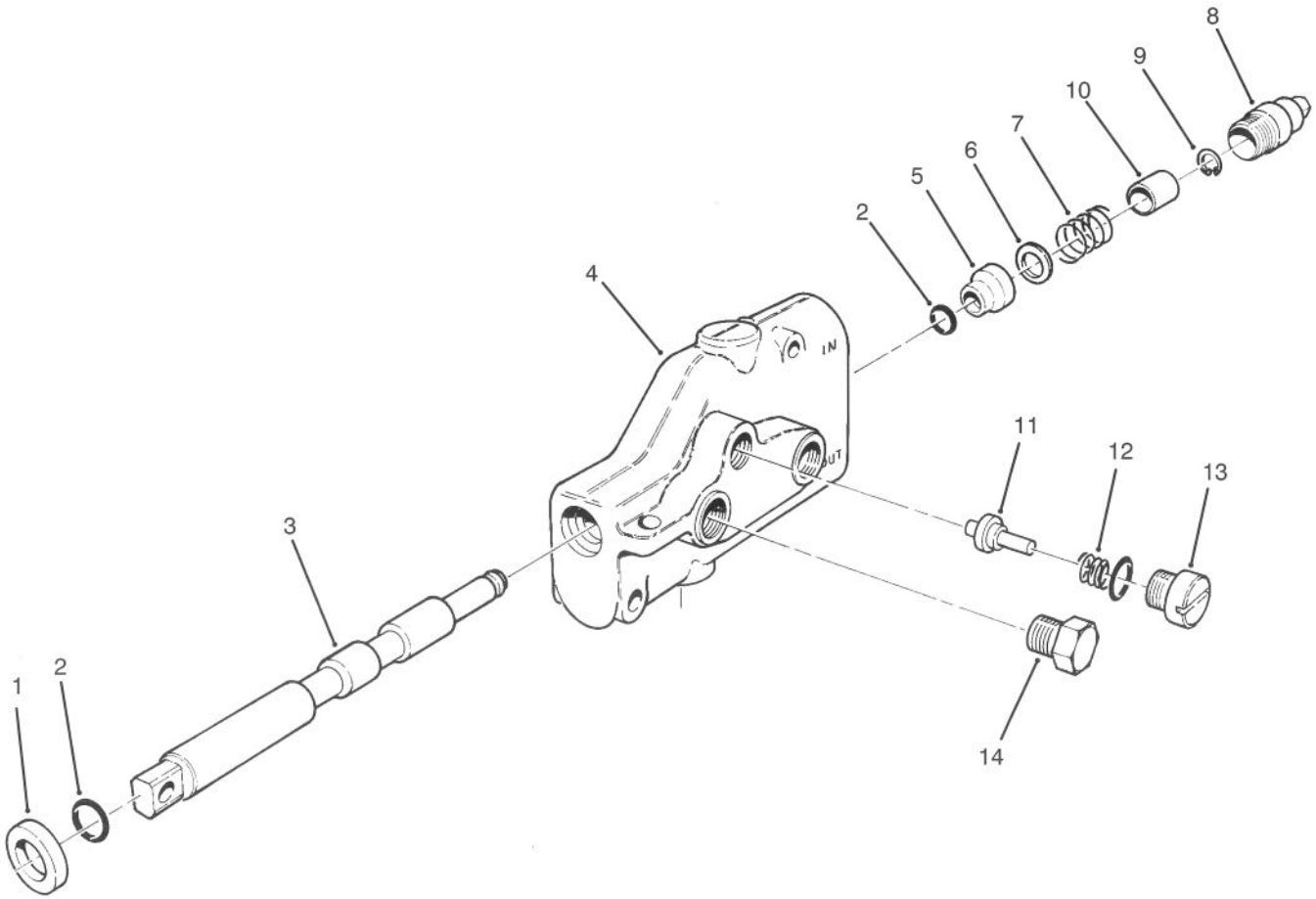
T–0531

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

Ref. No.	Part No.	Description	No. Used
24	3296–15	Nut – Lock	2
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

*Not Illustrated



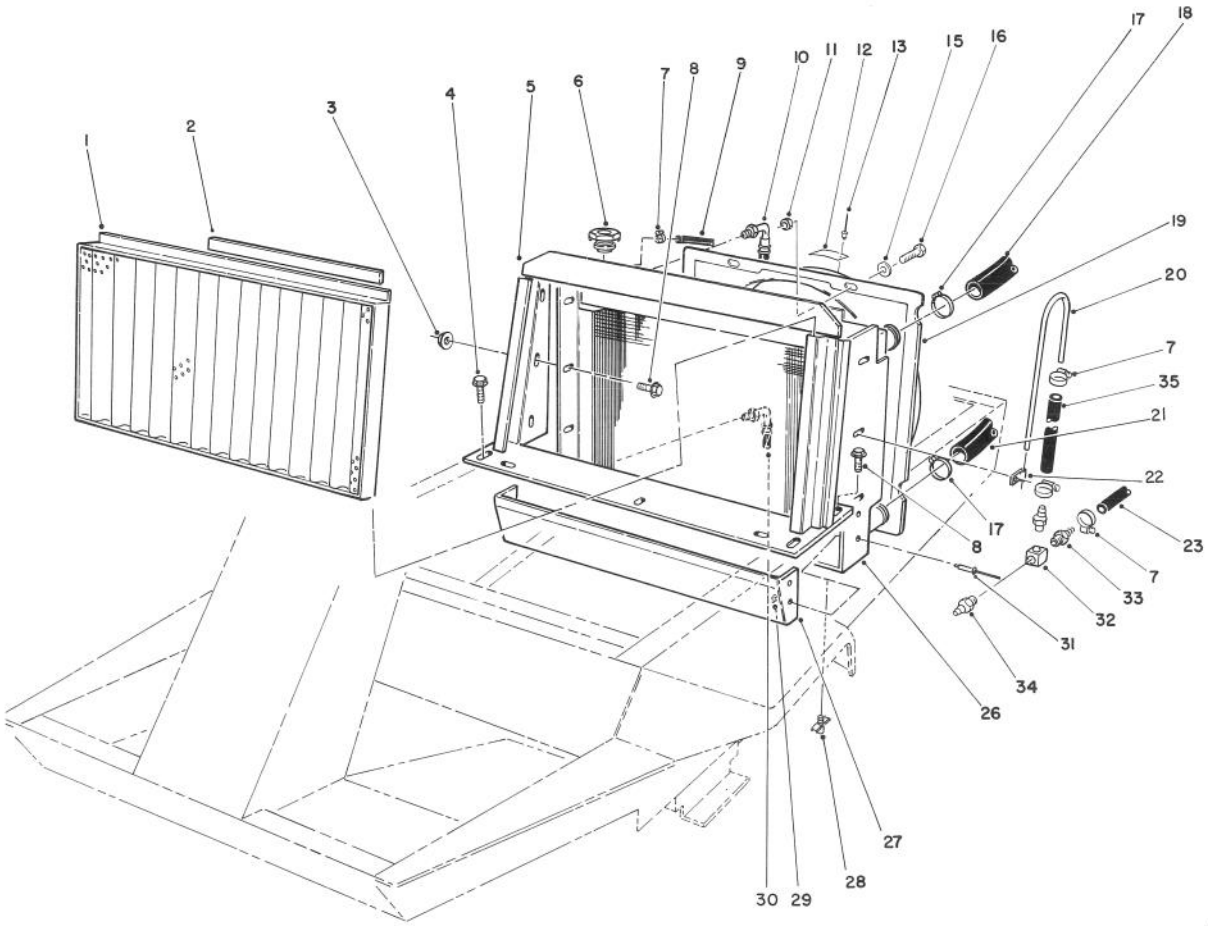
T–0532

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

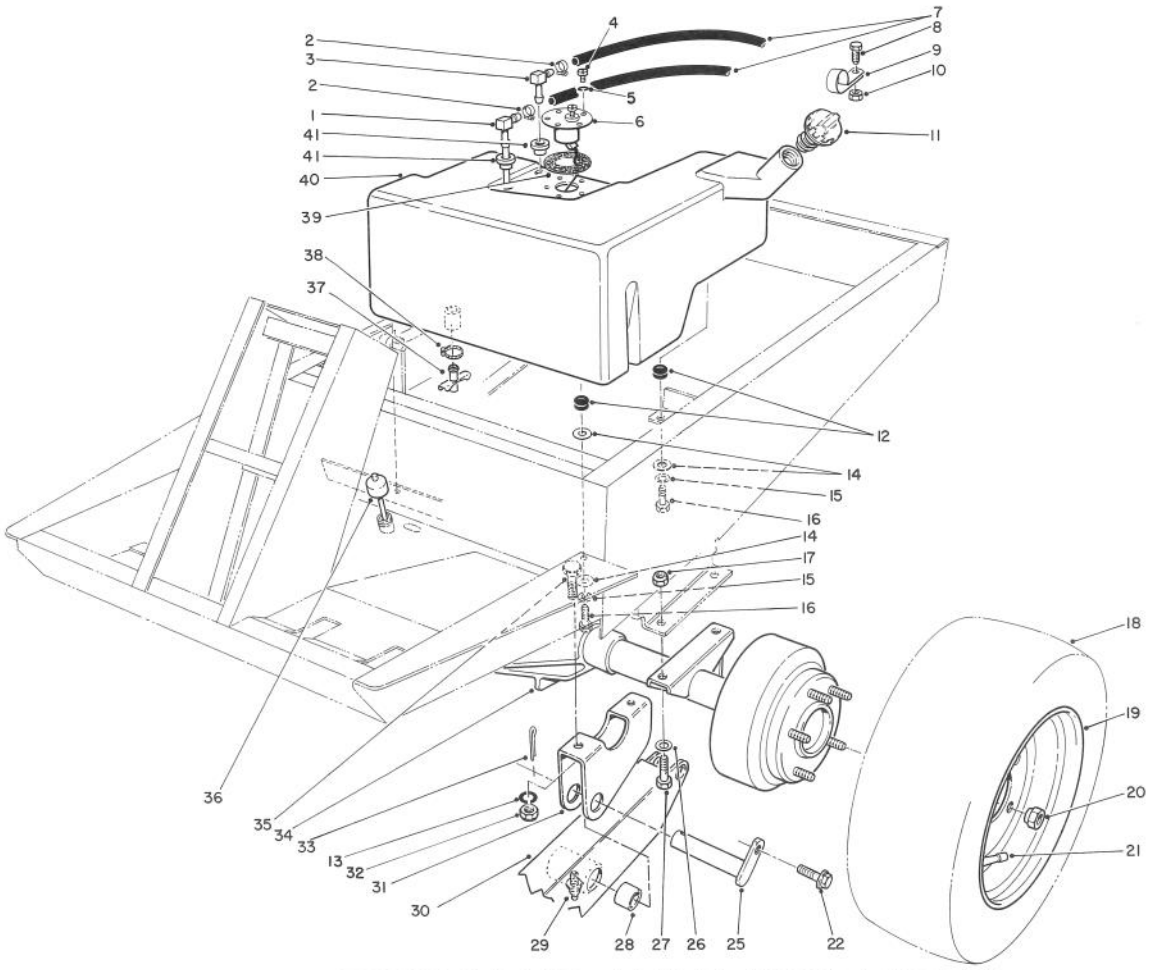


T–0533

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

Ref. No.	Part No.	Description	No. Used
19	92–6503	Fan Shroud Assembly (Incl. Ref. #12 & 13)	1
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	7
30	66–8500	Hose Assembly	1
31	3269–13	Rivet	7
32	354–20	Block	1
33	354–22	Fitting – Fuel	2
34	354–21	Fitting – Fuel	1
35	75–4704	Hose	1

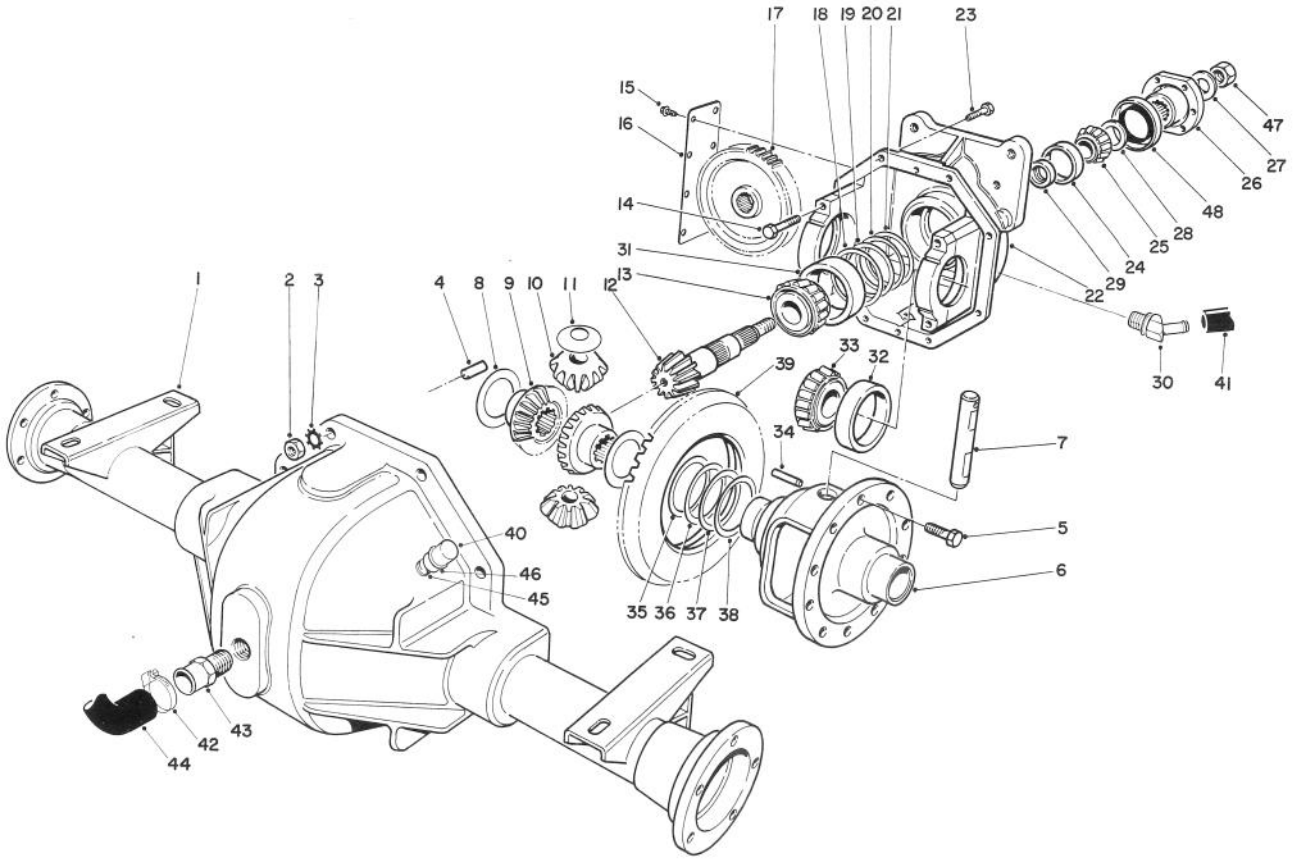


FUEL TANK AND AXLE ASSEMBLY

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	70–8621	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

Ref. No.	Part No.	Description	No. Used
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
22	3234–13	Screw – Flange Hd.	2
25	27–4310	Pin – Pivot	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	67–1830	Carrier Bracket	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	63–7372	Tank – Fuel	1
41	46–6560	Bushing	2
*	62–7020	Wheel & Tire Assy. (Opt.) (23" x 10.5" x 12")	2

*Not Illustrated



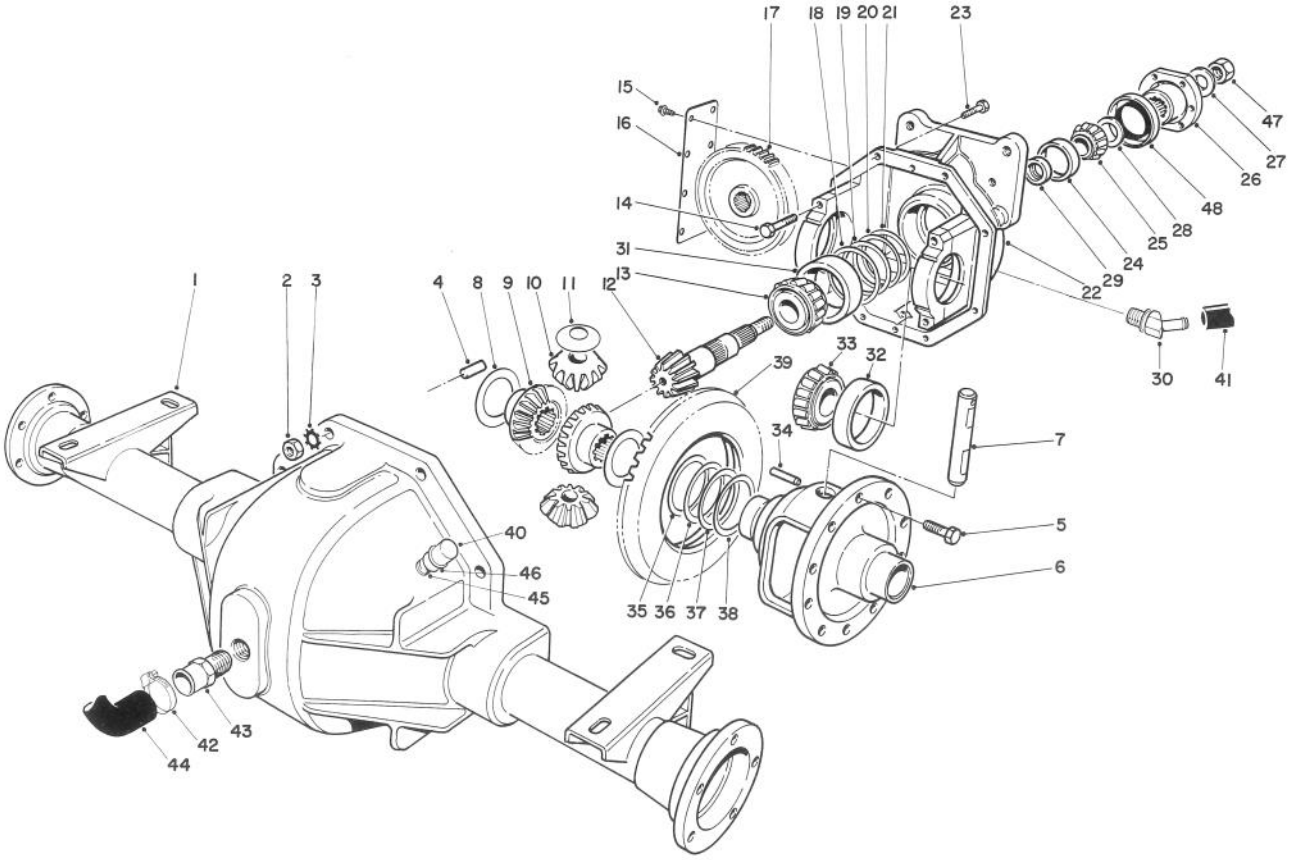
T–1691

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	86–7930	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



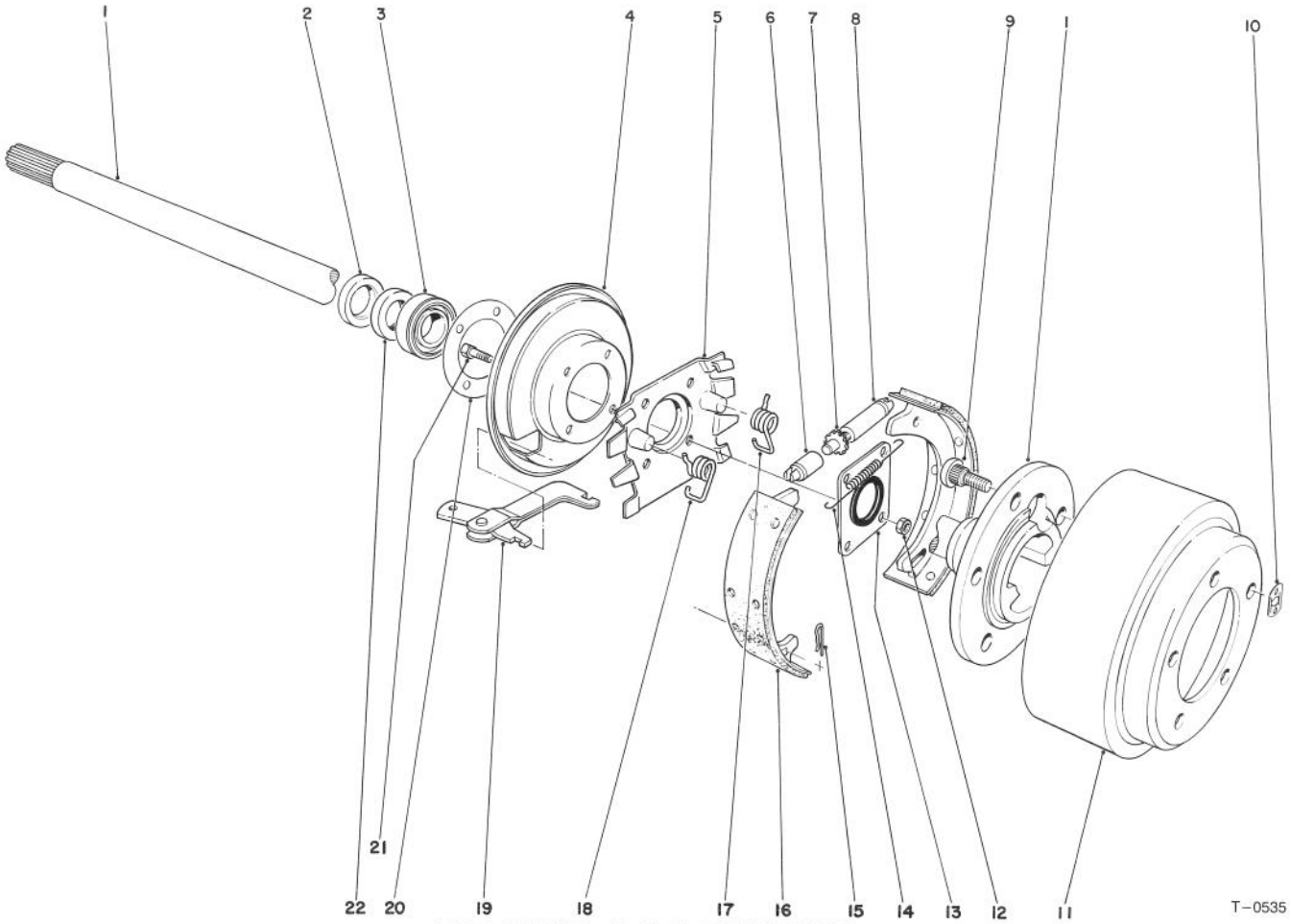
T–1691

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

Ref. No.	Part No.	Description	No. Used
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
*	92–1676	Gear & Pinion Assembly (Incl. Ref. #12 & 39)	1

*Not Illustrated

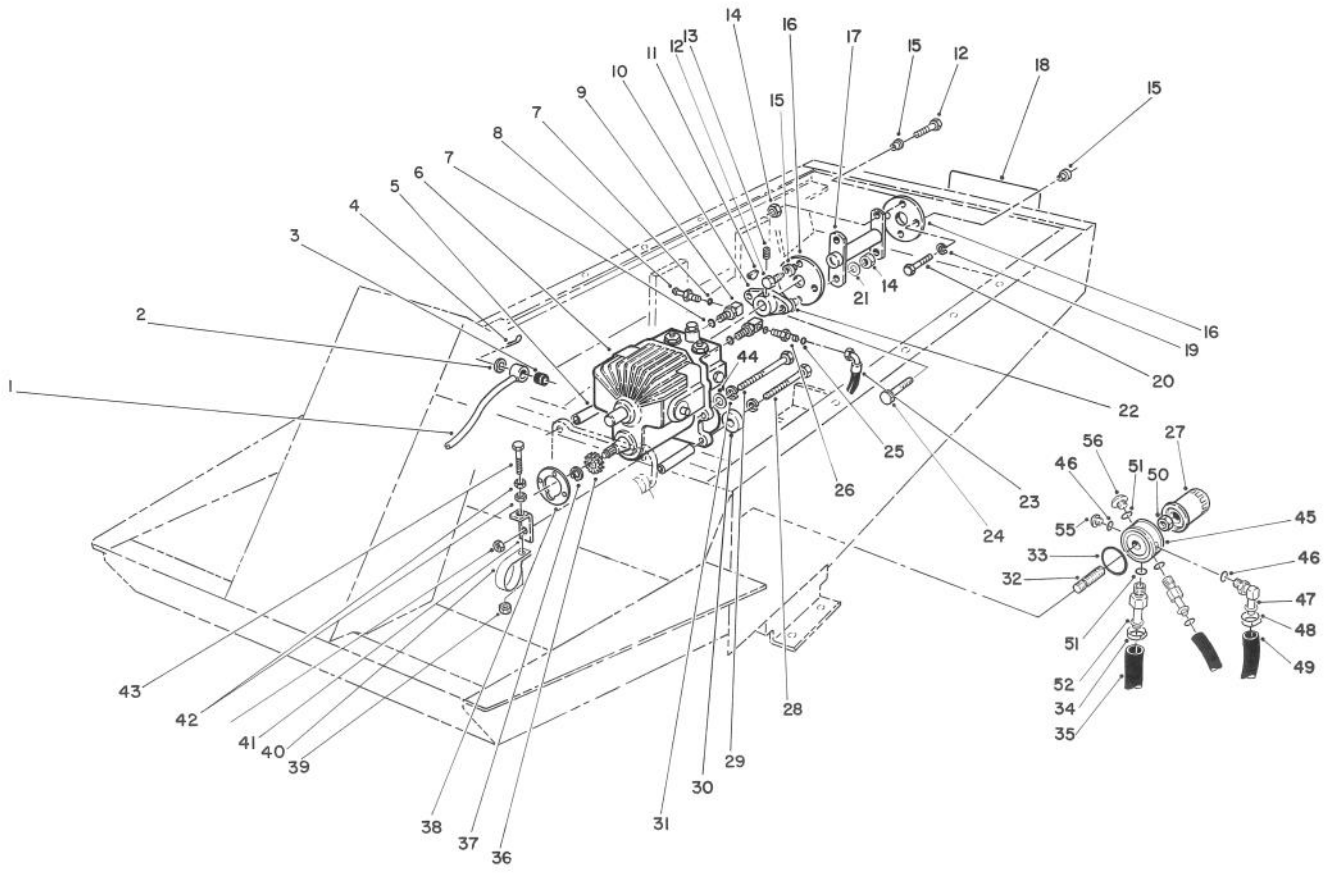


BRAKE ASSEMBLY

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 LH	2
18	21 –9430	Spring – Shoe Return RH	2
19	24–9180	Strut/Lever – Parking Brake	2
20	21–8320	Gasket – Wheel Bearing	2
21	28–0660	Screw – Cap Hex. Hd.	8
22	24–8840	Ring – Wheel Bearing	2

*Not Illustrated

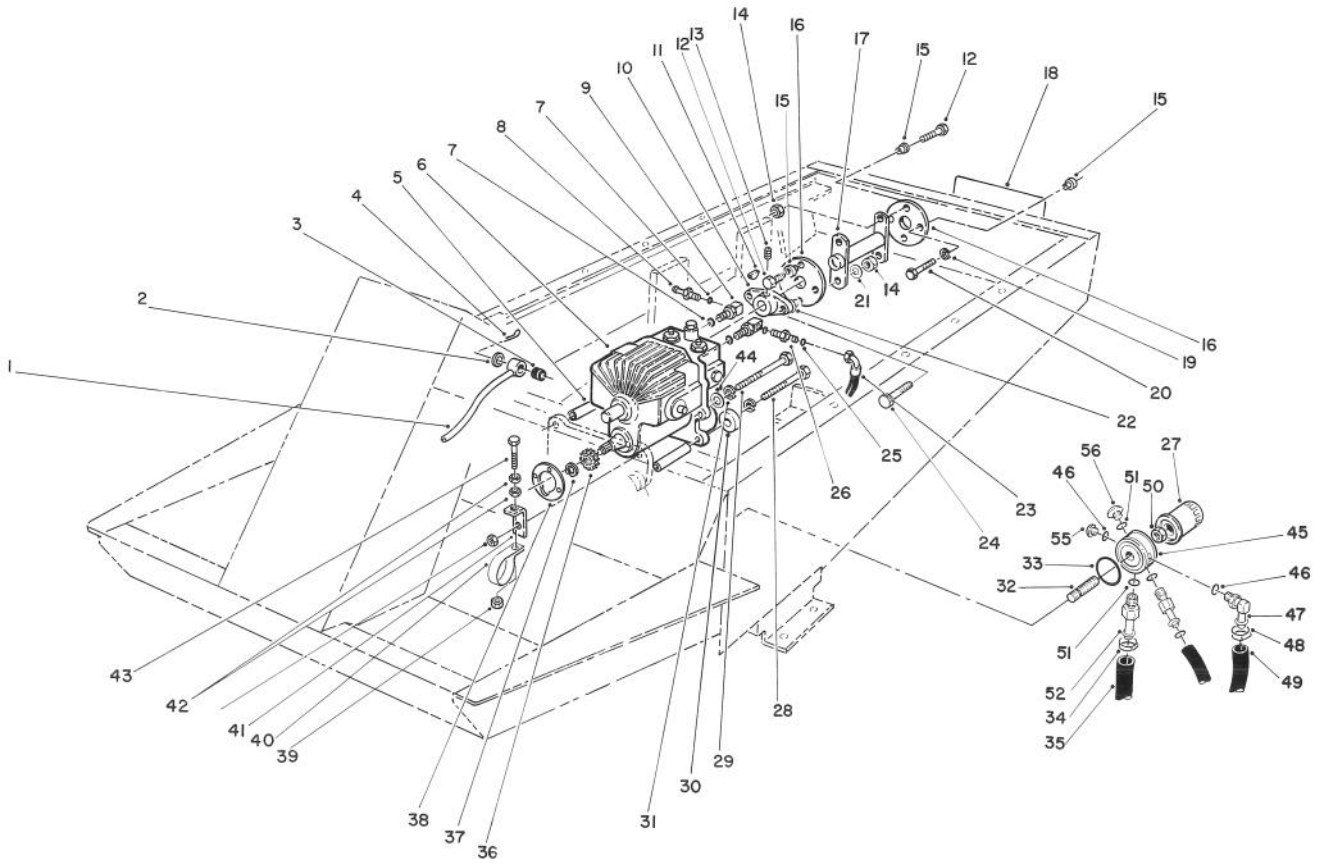


T–0605

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	2412–34	Clamp – Hose	1
49	92–5083	Hose – Hydraulic	1

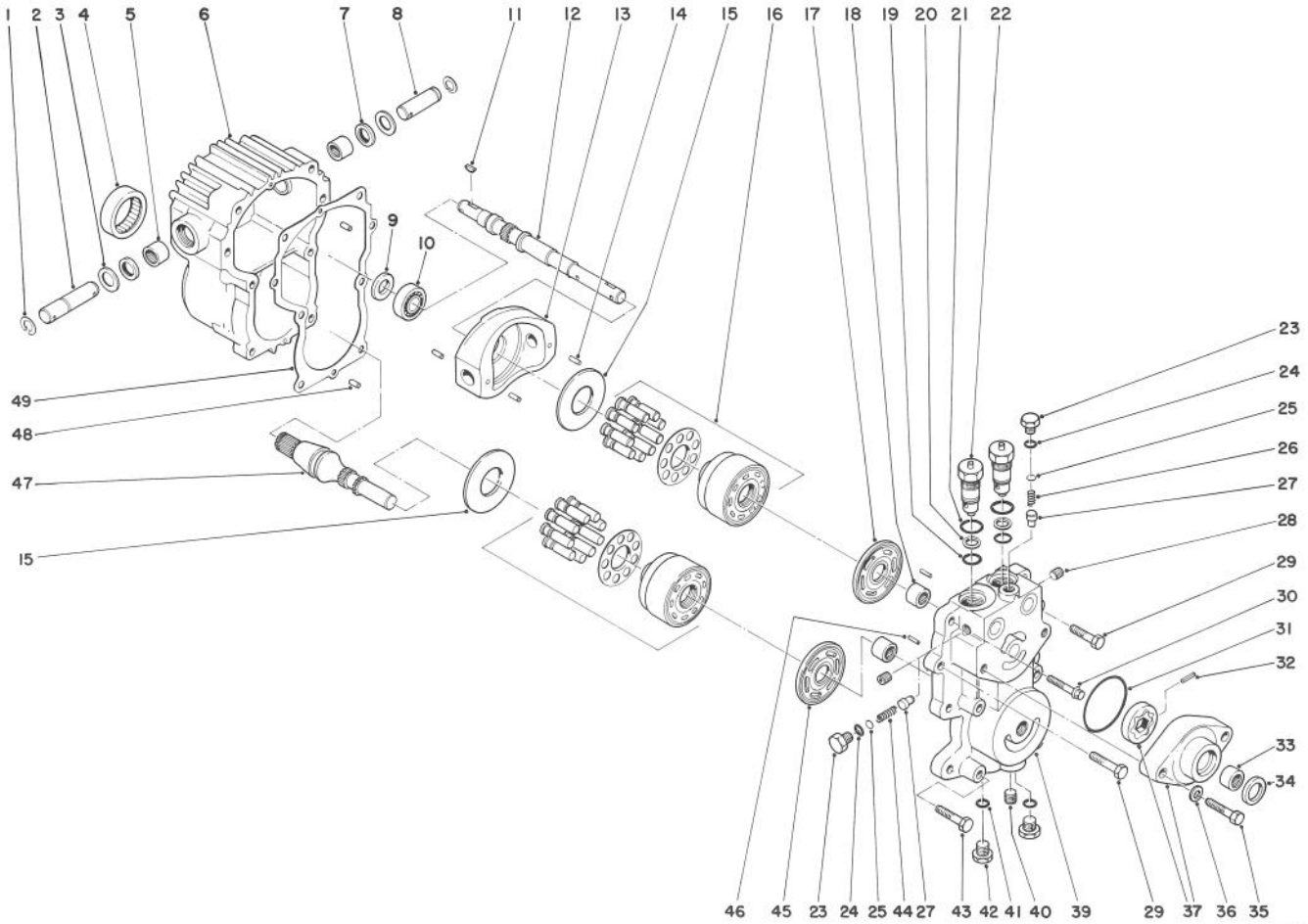


T–0605

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

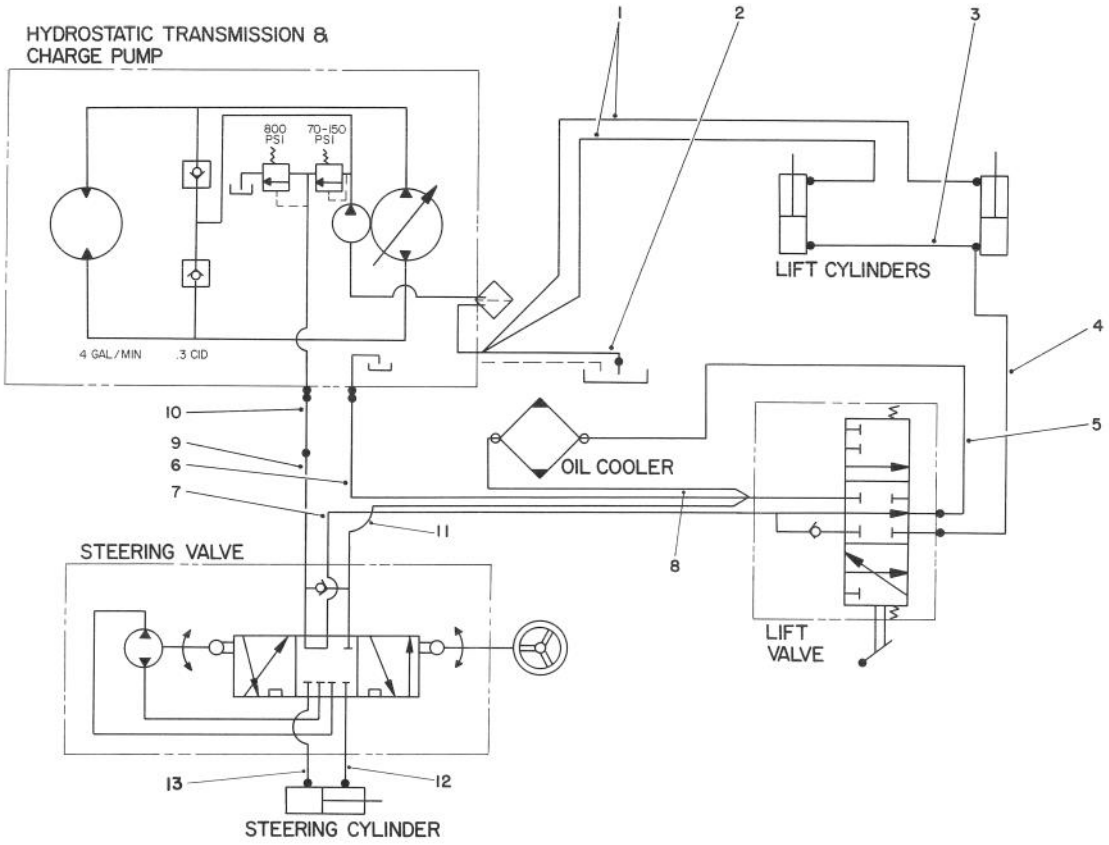
Ref. No.	Part No.	Description	No. Used
55	353–988	Plug – Hydraulic (Incl. Ref. #46)	1
56	353–990	Plug – Hydraulic (Incl. Ref. #51)	1



TRANSMISSION ASSEMBLY NO. 92–5513

Ref. No.	Part No.	Description	No. Used
1	32151–46	Ring – Retaining	2
2	25–2500	Shaft – Trunion	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 – Trunion	1
9	28–3660	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

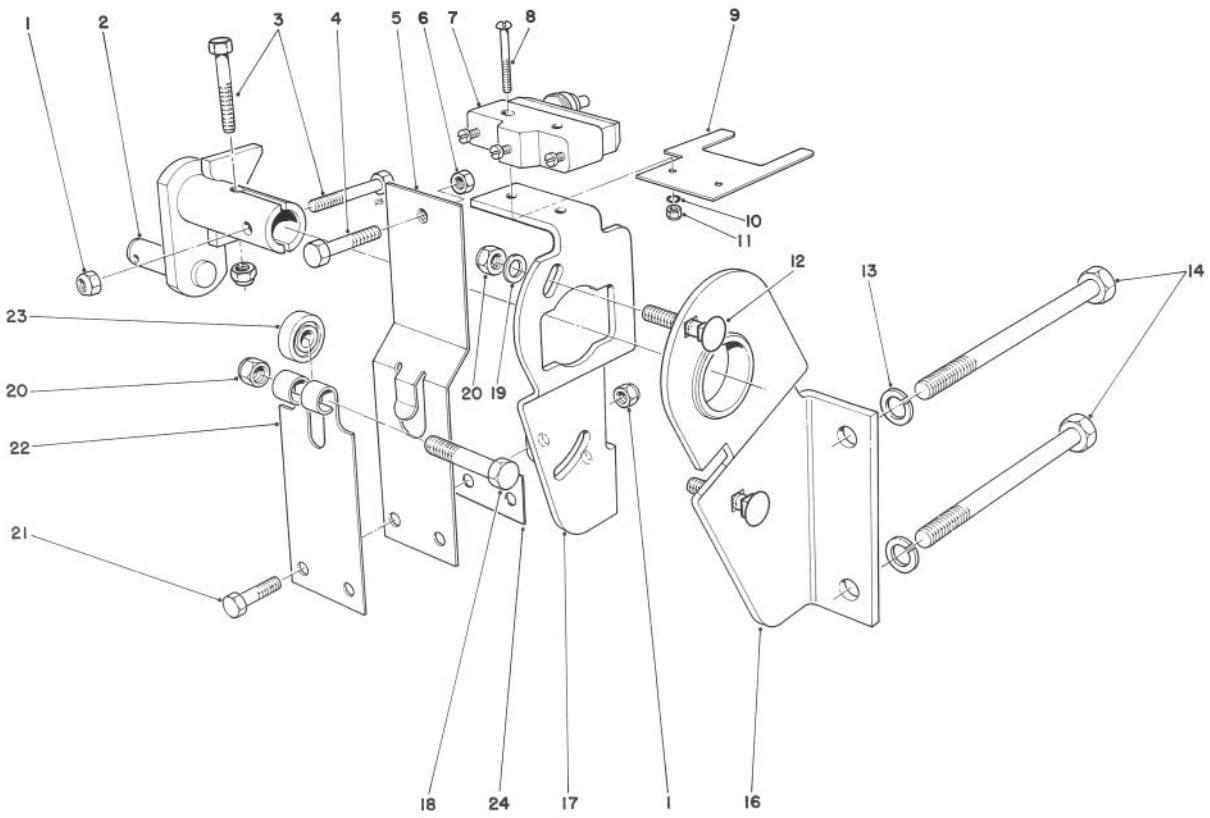


T–0537

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

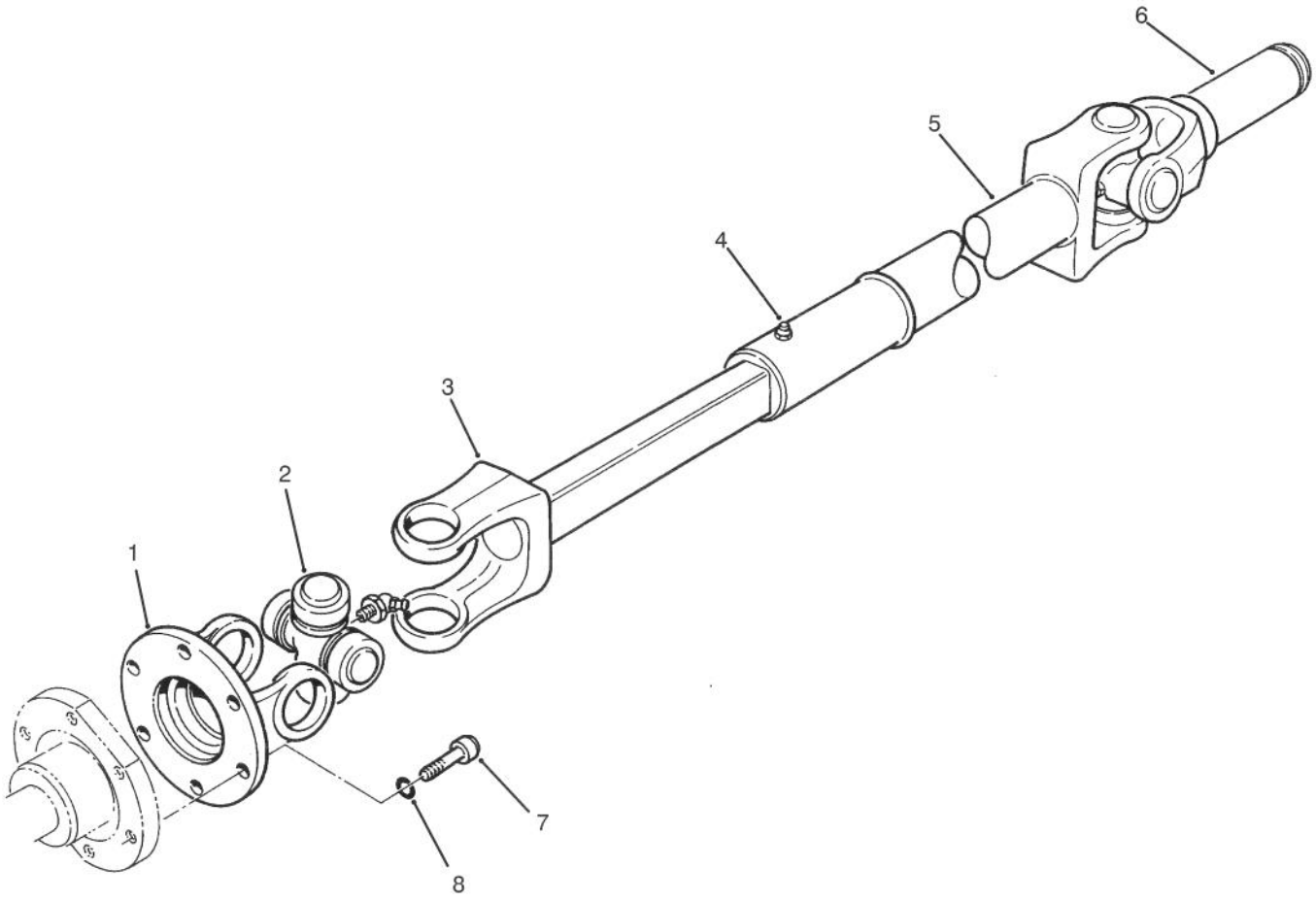


T–0538

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



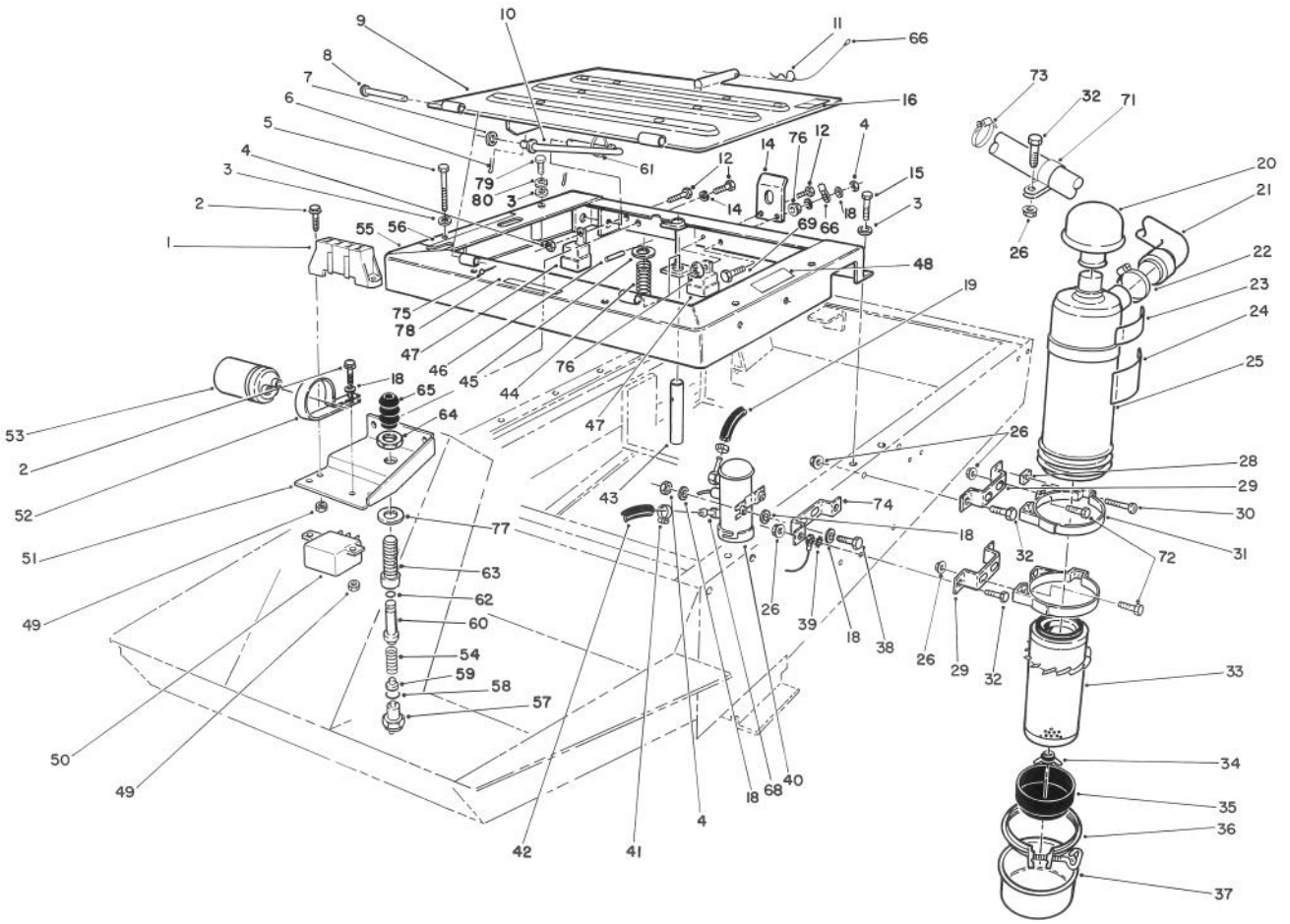
T–0906

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

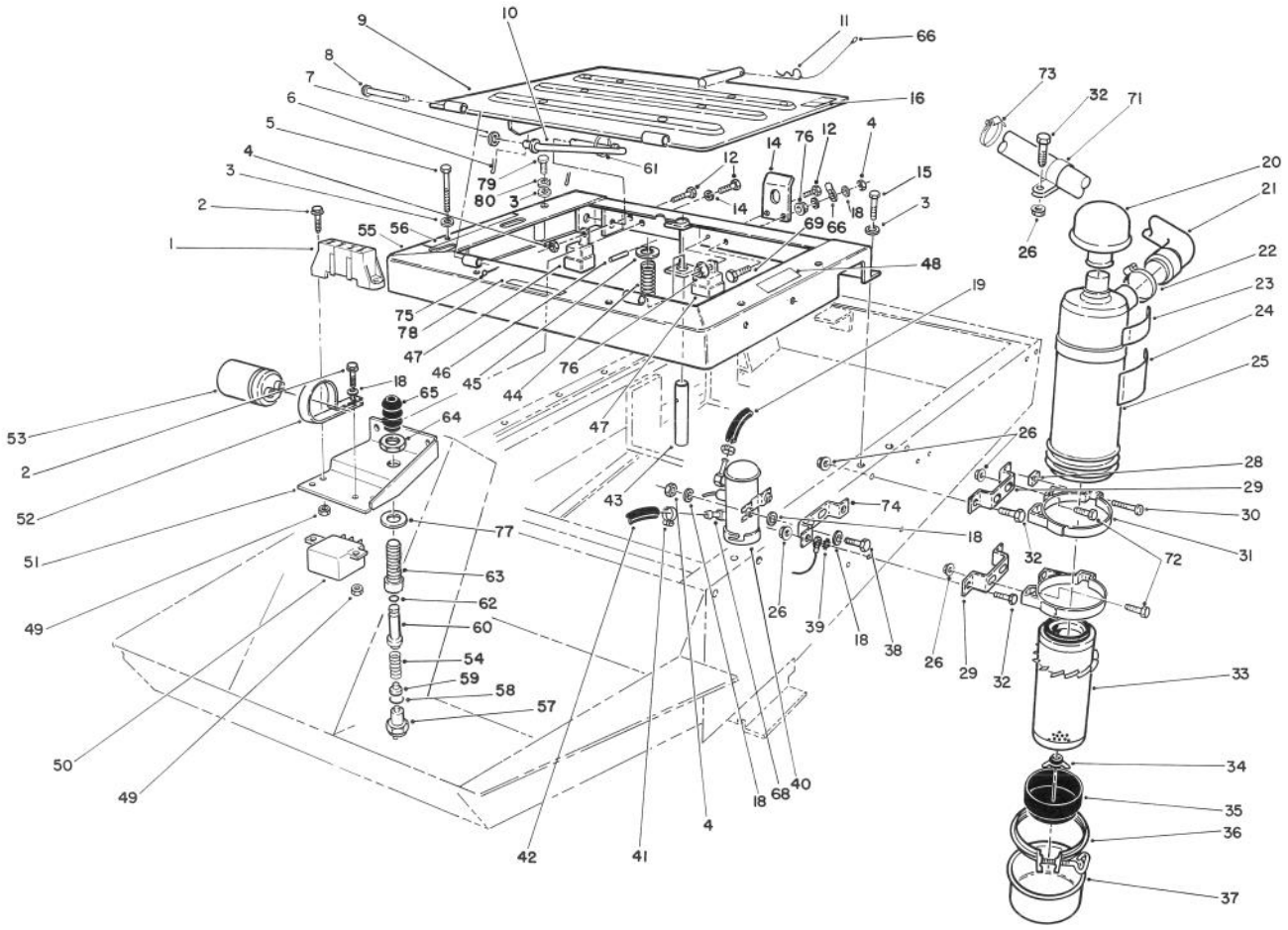


T-0606

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	4
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	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	67-1700	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



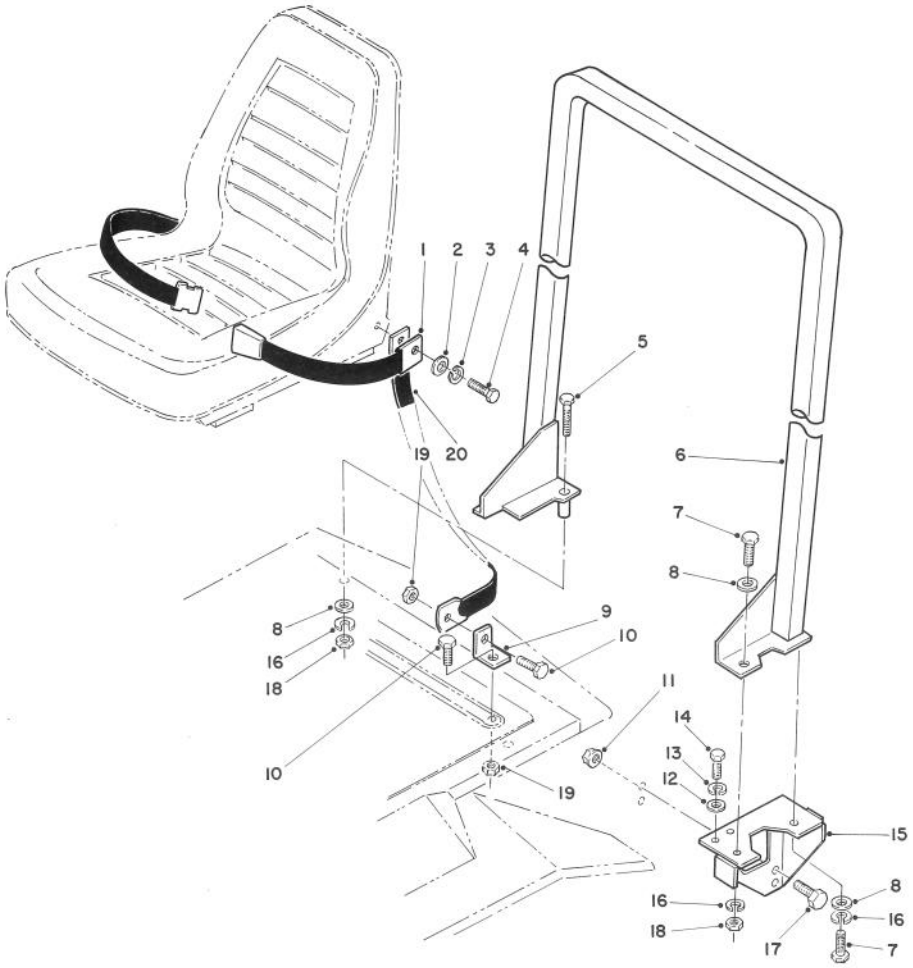
T–0606

SEAT FRAME & AIR CLEANER ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
51	70–7290	Bracket – Seat Switch	1
52	2412–74	R–Clamp	1
53	37–2690	Capacitor	1
54	43–8600	Spring – Compression	1
55	92–6504	Seat Frame Assembly (Incl. Ref. #48, 56 & 78)	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	1
65	43–8870	Boot – Switch	1

Ref. No.	Part No.	Description	No. Used
66	28–8070	Lanyard	1
68	67–1690	Fitting	2
69	321–6	Screw – Cap Hex. Hd.	1
71	2412–107	R–Clamp	1
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	2
77	3256–69	Washer – Flat	1
78	92–5773	Decal – Starting Instructions	1
79	322–14	Screw – Cap Hex. Hd.	2
80	3253–4	Washer – Lock	2
*	43–9071	Switch – Seat (Incl. Ref. #54, 57–60 & 62–65)	1

*Not Illustrated



T–1690

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

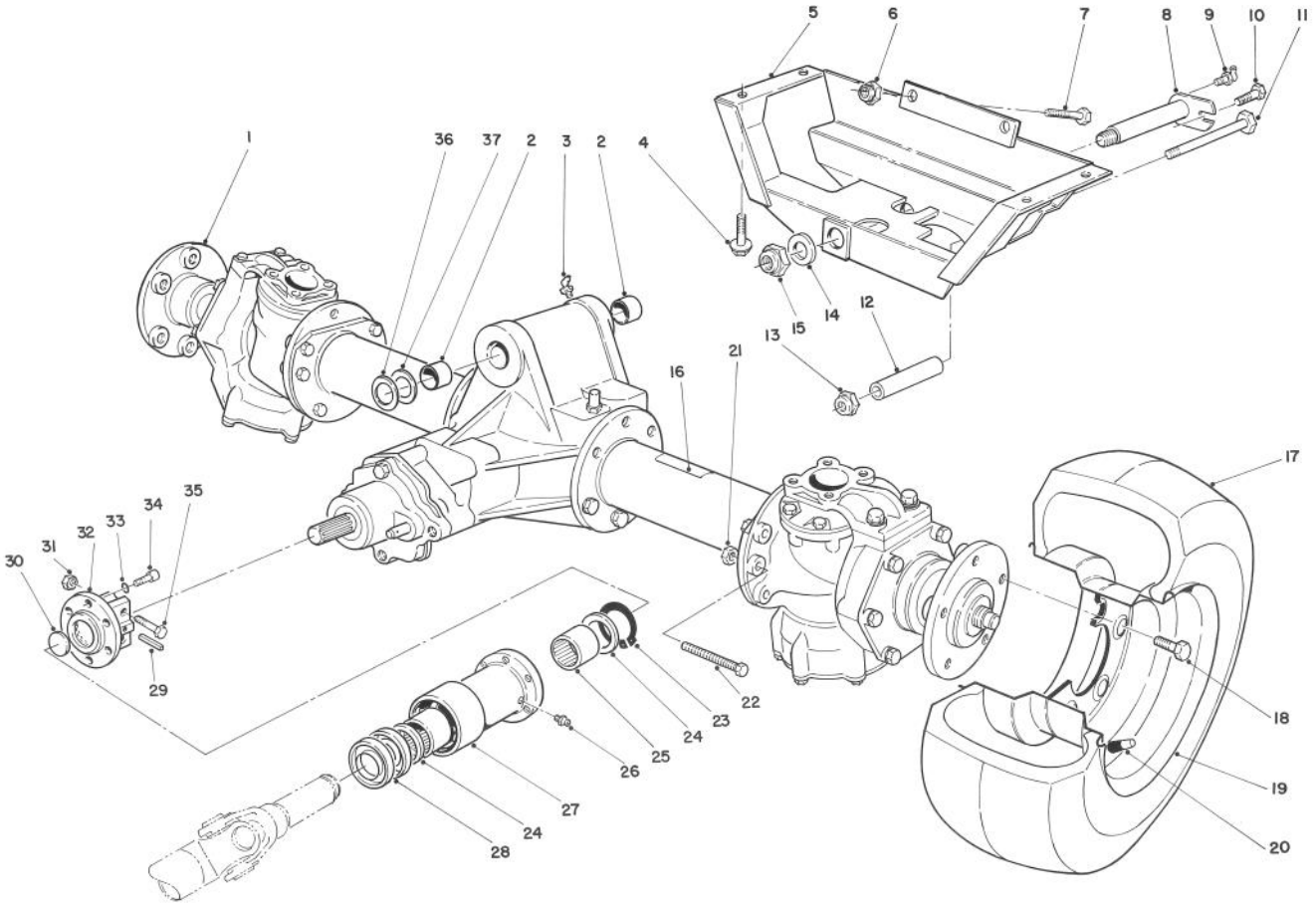
*Not Illustrated



T–1692

MANUAL STORAGE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	74–0720	Tube – Manual	1
2	2412–133	R–Clamp	2
3	322–2	Screw – Cap Hex. Hd.	2
4	3256–23	Washer – Flat	2

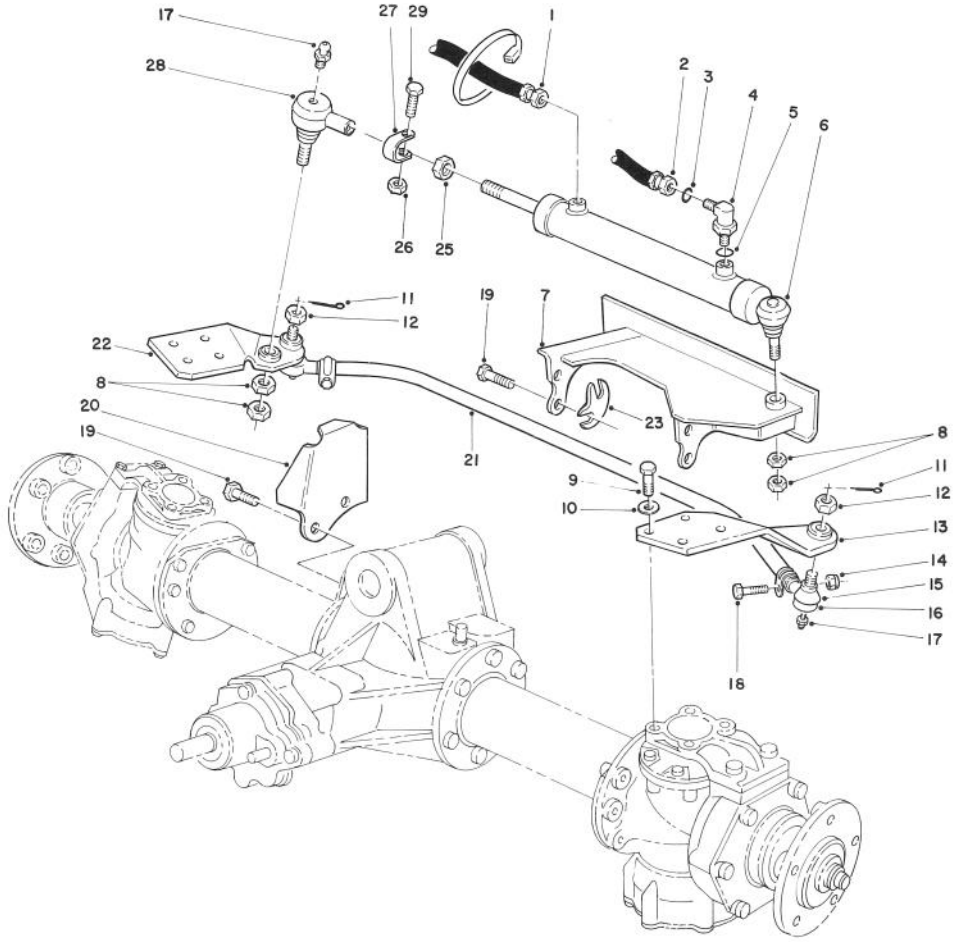


T–1689

REAR AXLE INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	68–6822	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

Ref. No.	Part No.	Description	No. Used
20	232–27	Stem – Valve	2
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

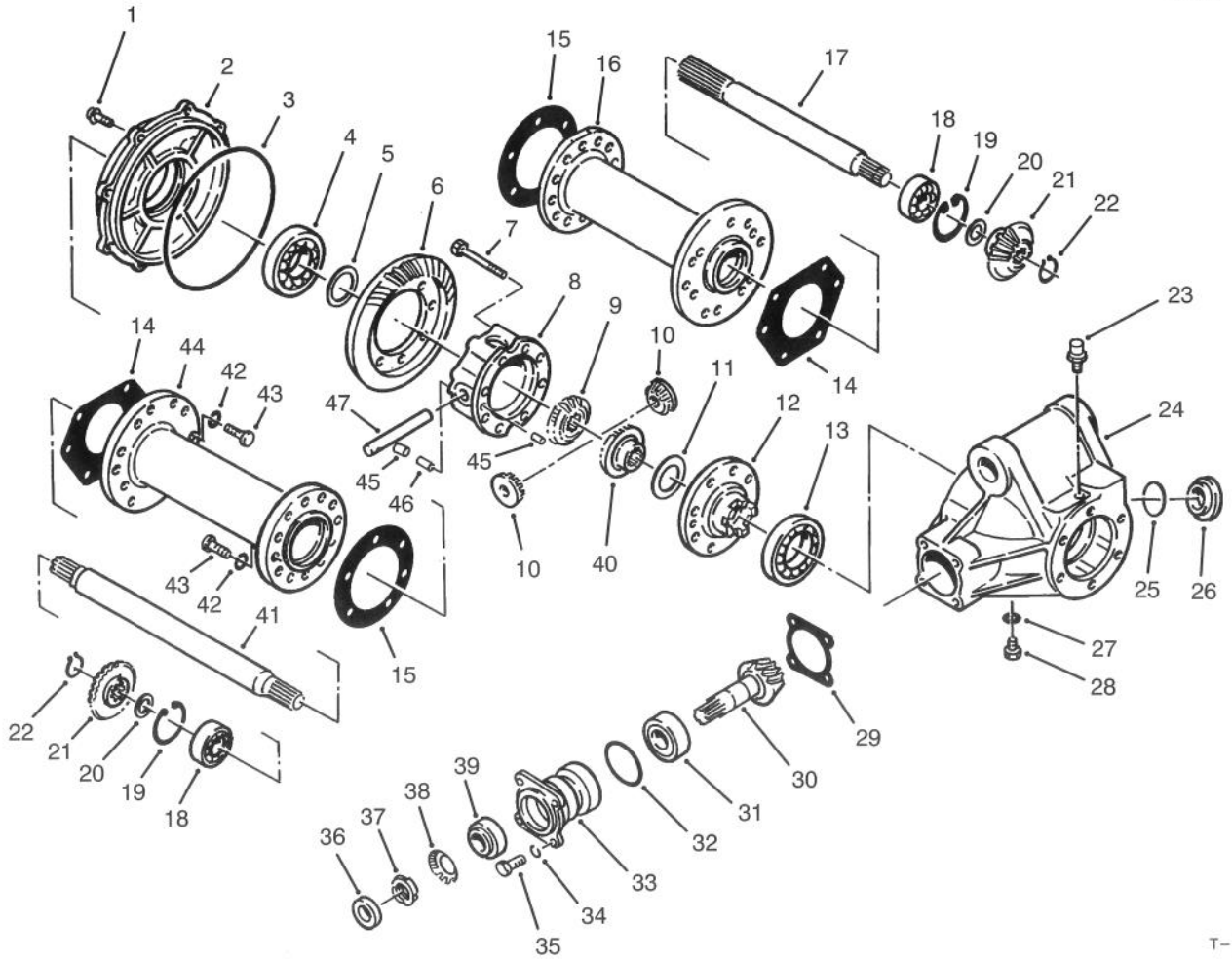


T–1693

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

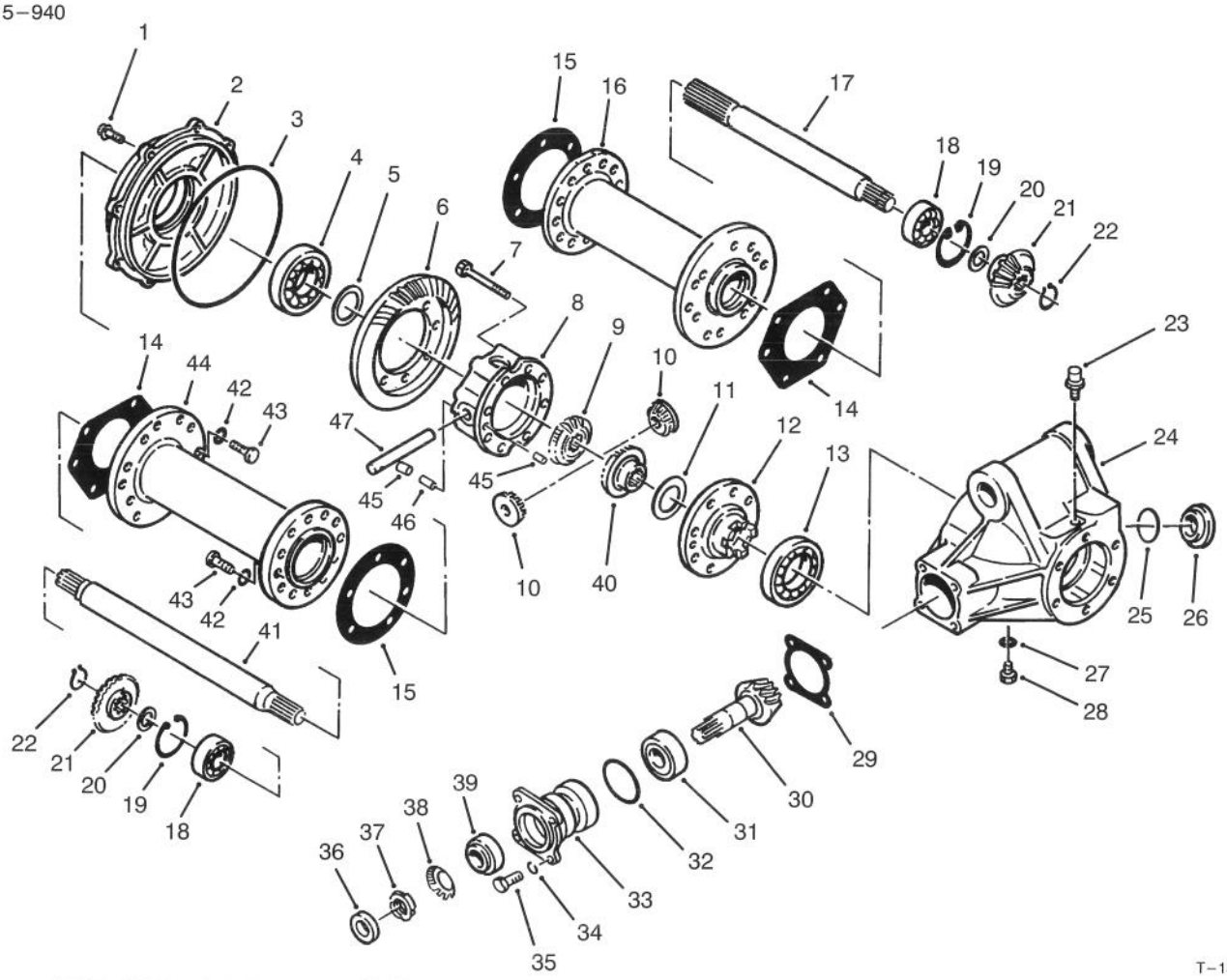


T–1305

REAR AXLE ASSEMBLY NO. 68–6822

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	72–5080	Gasket	2
15	72–5070	Gasket	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
21	72–5090	Gear – Bevel	2

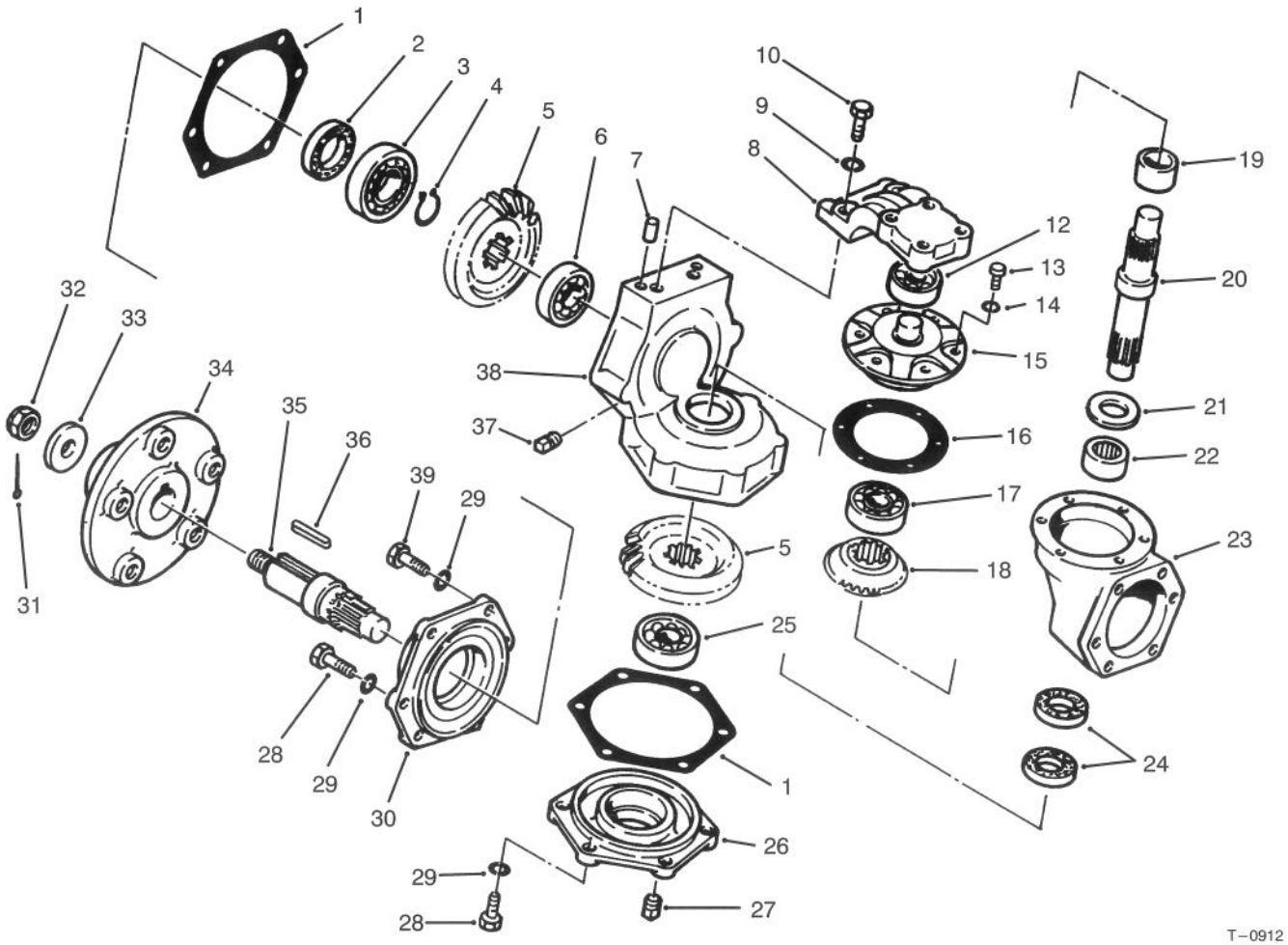
Ref. No.	Part No.	Description	No. Used
22	72–5370	Ring – Retaining	2
23	72–5130	Vent	1
24	72–4870	Case – Differential	1
25	72–5140	O–Ring	1
26	72–5150	Plug	1
27	72–5840	Gasket	1
28	72–5820	Plug	1
29	72–5160	Shim .1mm	1
*	72–5170	Shim .15 mm	1
*	72–5180	Shim .5 mm	1
*	72–5190	Shim .8 mm	1
*	72–5200	Shim 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
41	72–5120	Axle – LH	1
42	42–9600	Washer – Lock M10	24



REAR AXLE ASSEMBLY NO. 68–6822 (Continued)

Ref. No.	Part No.	Description	No. Used
43	48–9470	Bolt – M10 x 30	24
44	72–5110	Tube – Axle LH	1
45	72–5030	Pin – Dowel	2
46	72–5440	Pin –Spring	1

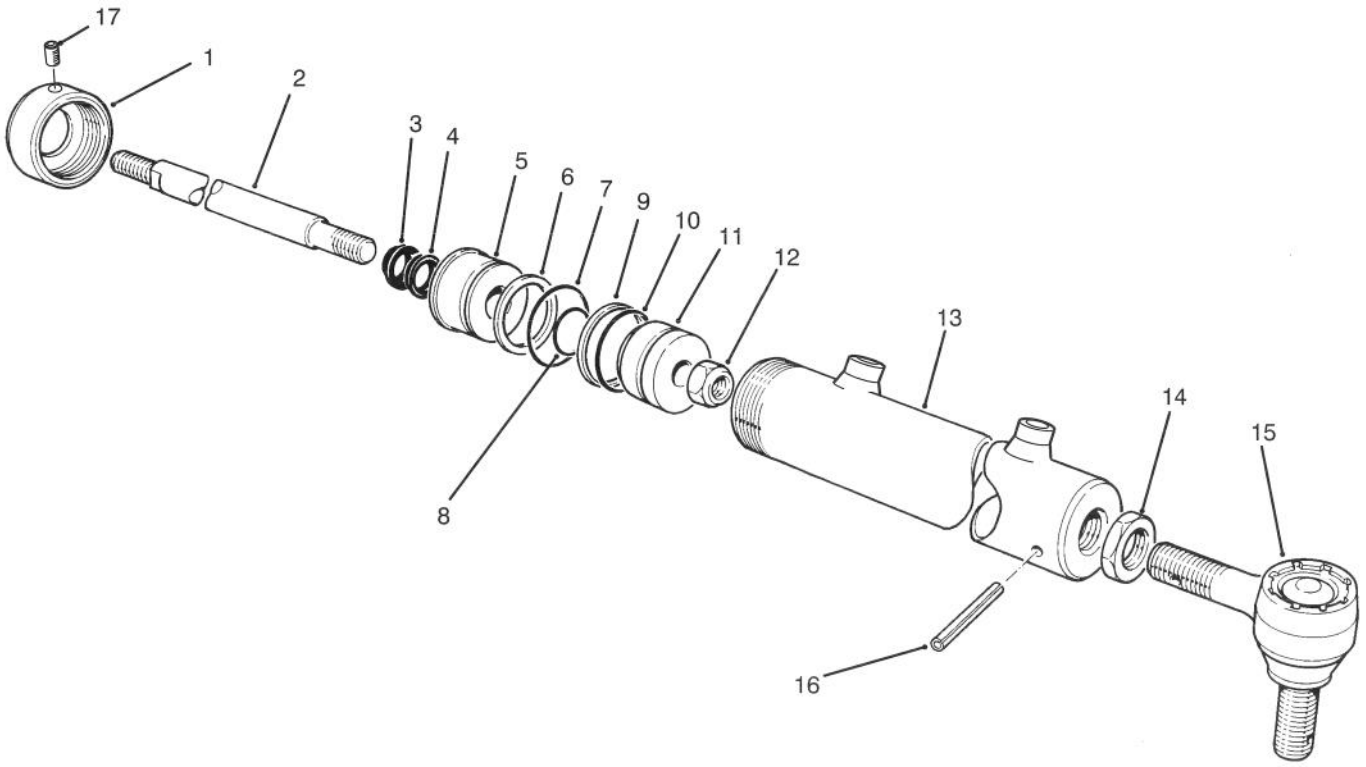
Ref. No.	Part No.	Description	No. Used
47	72–5020	Shaft – Pinion	1
*	77–2970	Ring & Pinion Assembly (Incl. Ref.#6 & 30)	1



REAR AXLE ASSEMBLY NO. 68–6822 (Continued)

Ref. No.	Part No.	Description	No. Used
1	72–5620	Gasket	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	72–5670	Pin – Dowel	4
8	77–2980	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	72–5600	Washer – Thrust	2
22	72–5640	Bearing – Needle	2
23	72–5510	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	72–5520	Case – Knuckle	2
39	48–7710	Screw – Cap, M8 x 20	4



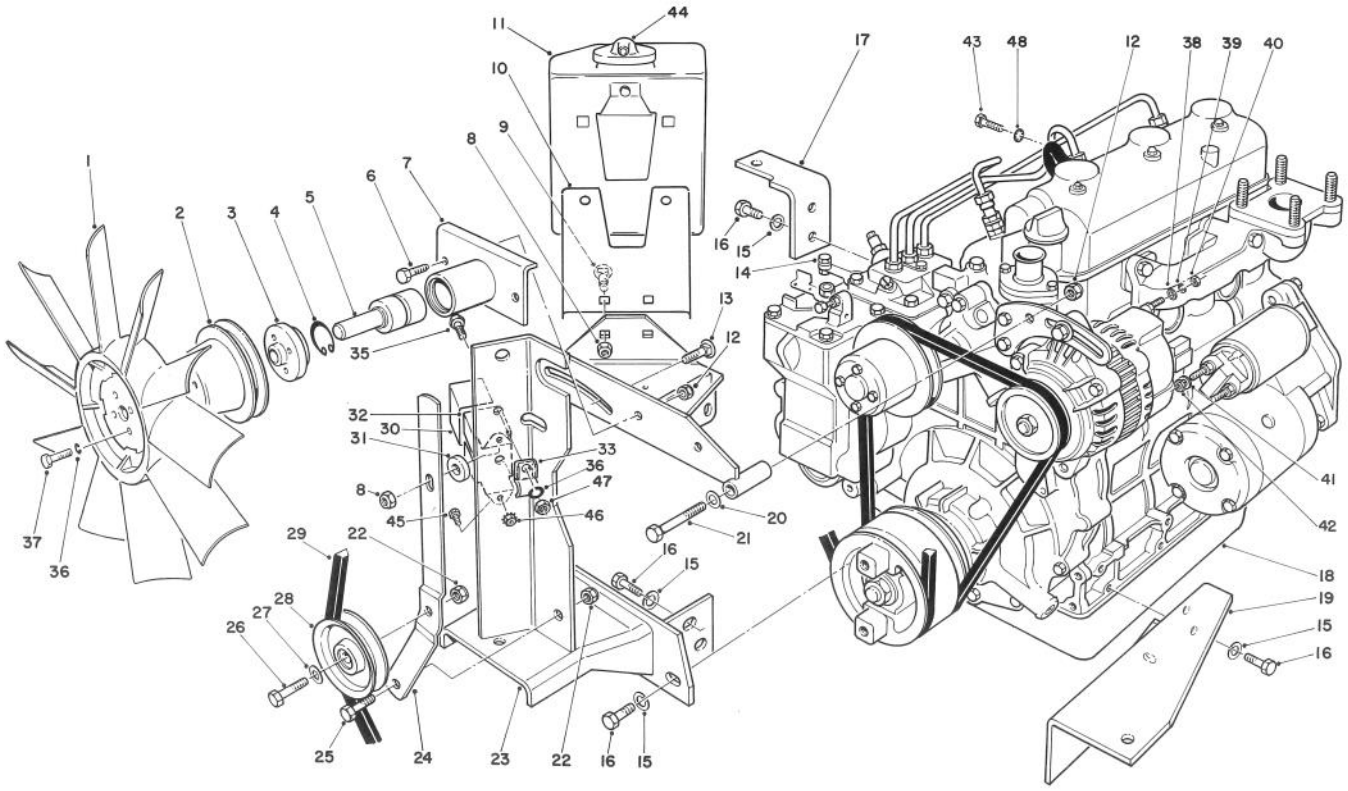
T–1694

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

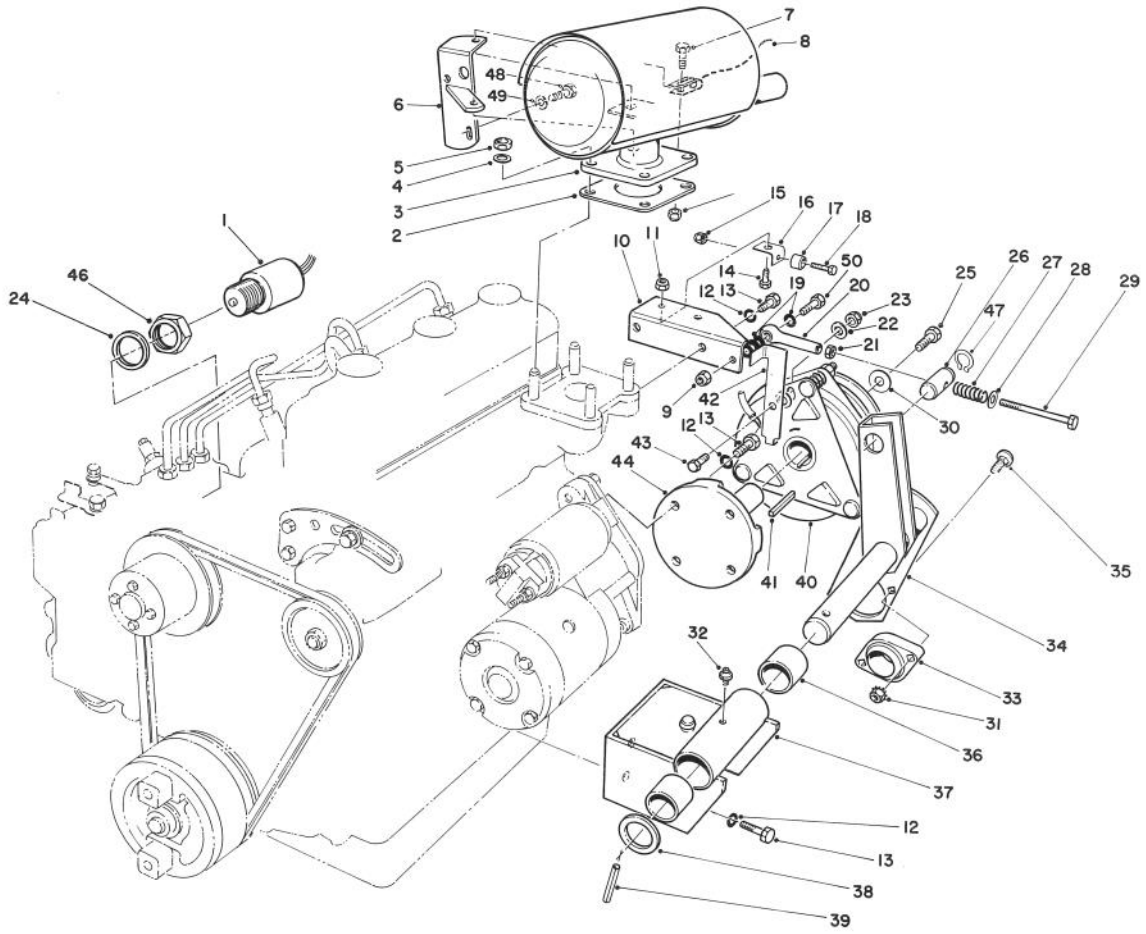


T–0542

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	84–7720	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	48–7680	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



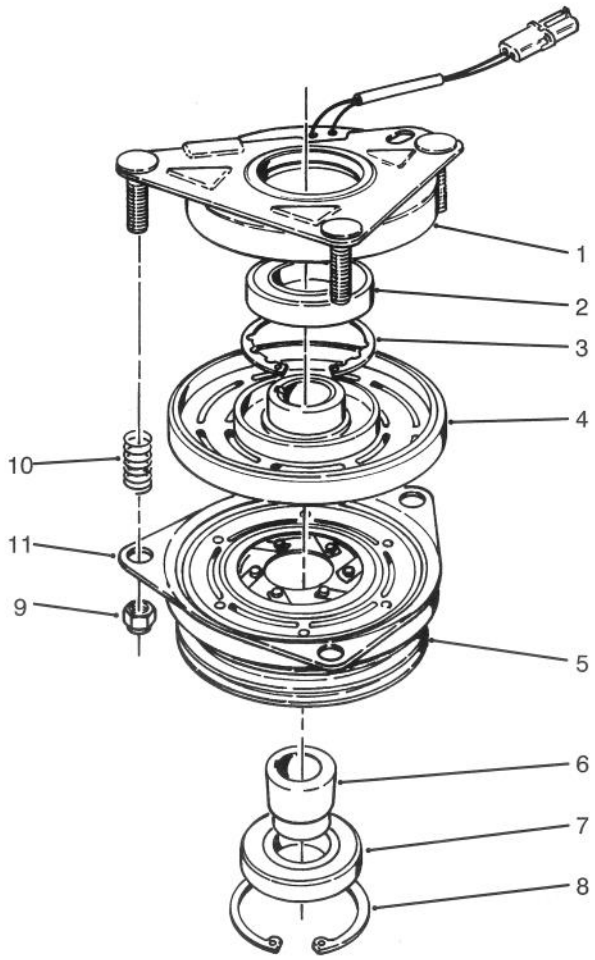
T–0543

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
4	42–9850	Washer – Lock	4
5	48–7930	Nut – Hex.	4
6	66–2360	Support – Muffler	2
7	322–5	Screw _ Cap Hex. Hd.	1
8	66–2870	Cable – Hood Stop	1
9	3296–29	Nut – Lock	2
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

Ref. No.	Part No.	Description	No. Used
25	3212–5	Screw	1
26	63–6290	Pin – Tension	1
27	3–6624	Spring	1
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	251–335	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	3253–4	Washer – Lock	1
50	322–6	Screw – Cap Hex. Hd.	1

*Not Illustrated

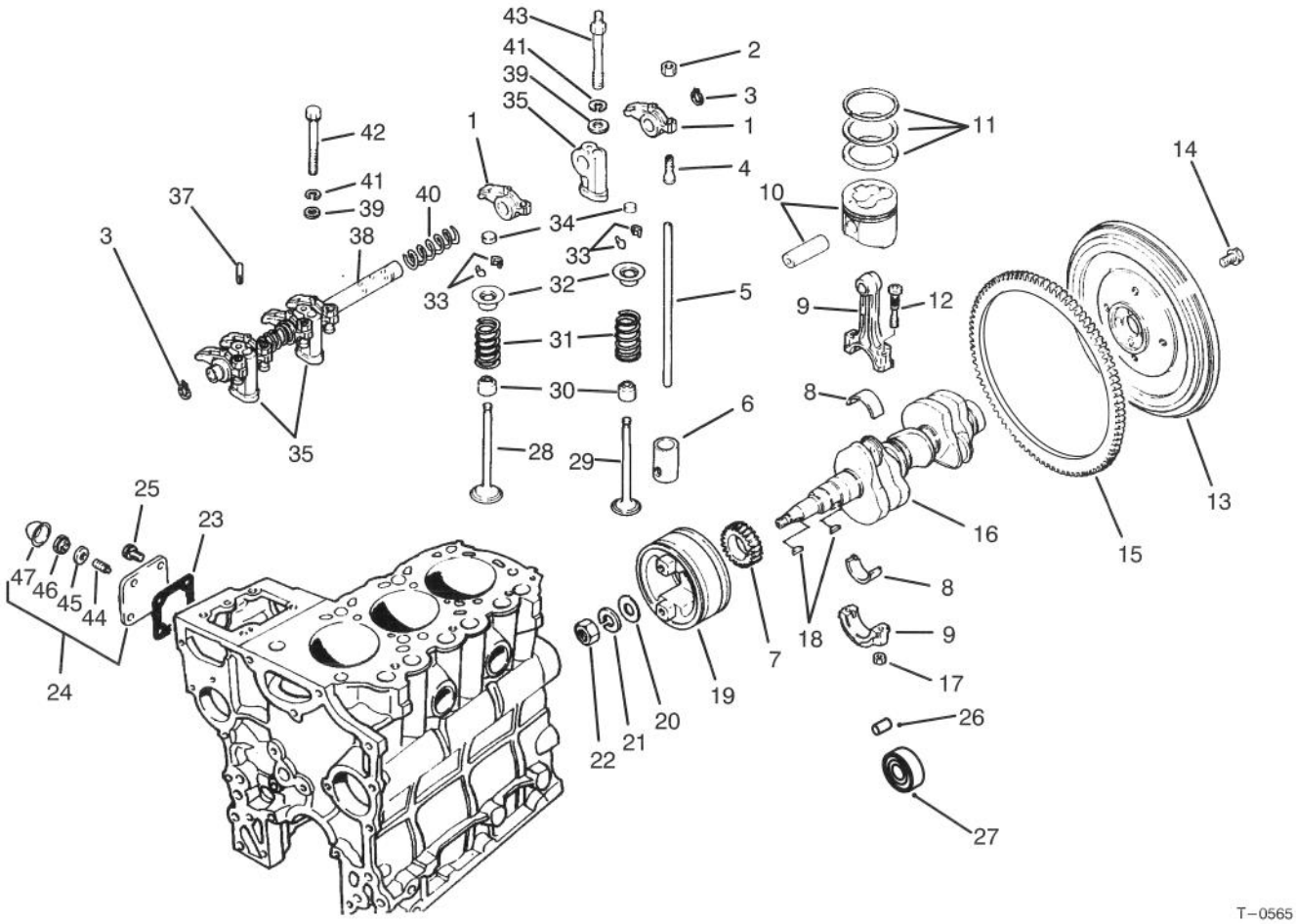


T–0544

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



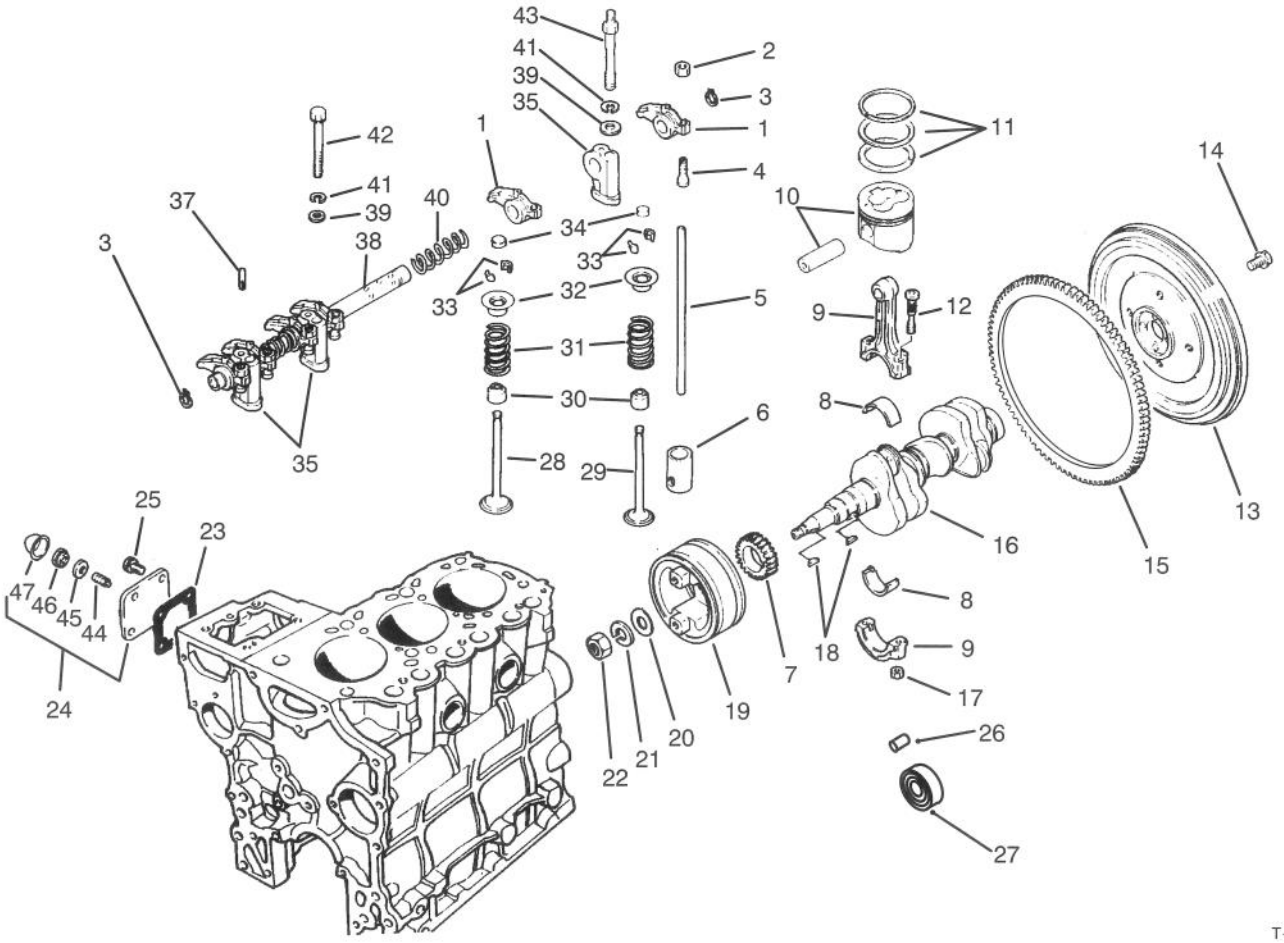
T–0565

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	67–2920	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

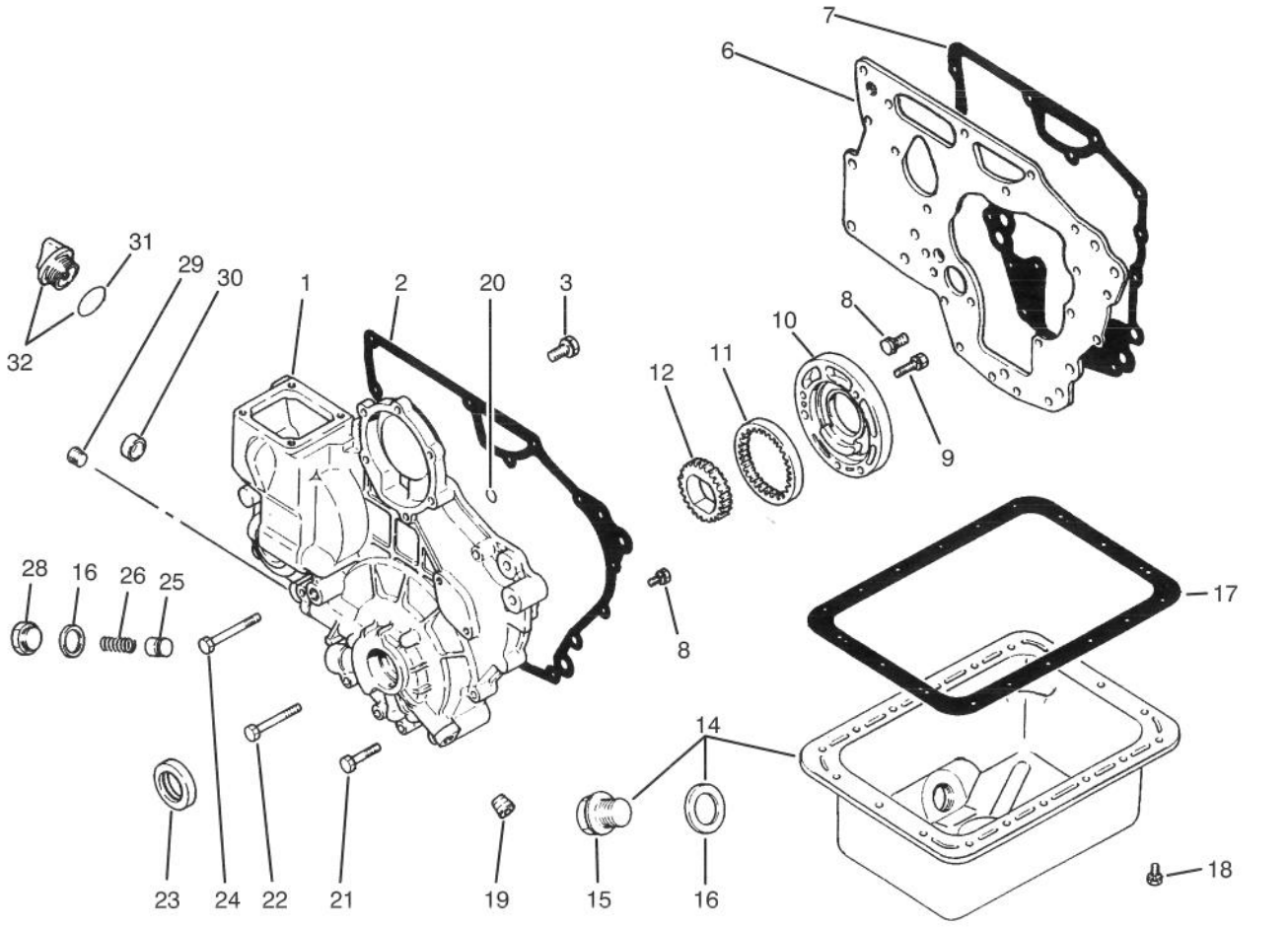


T–0565

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



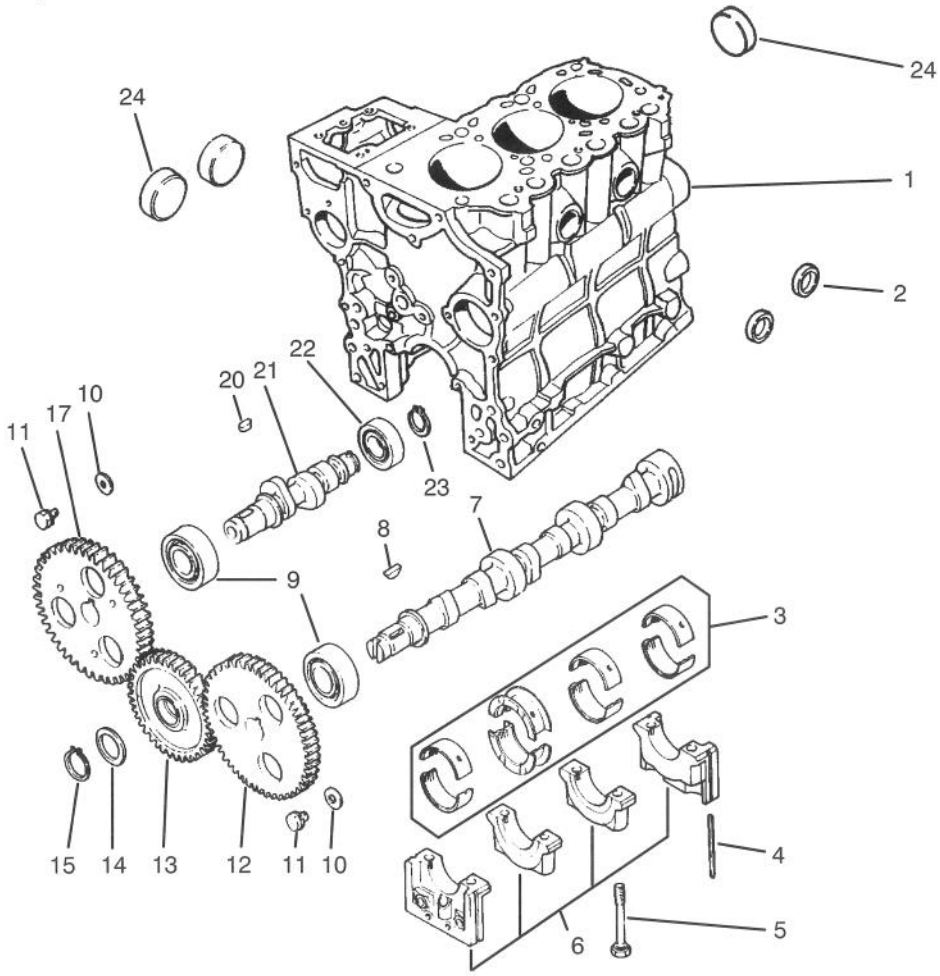
T–0567

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



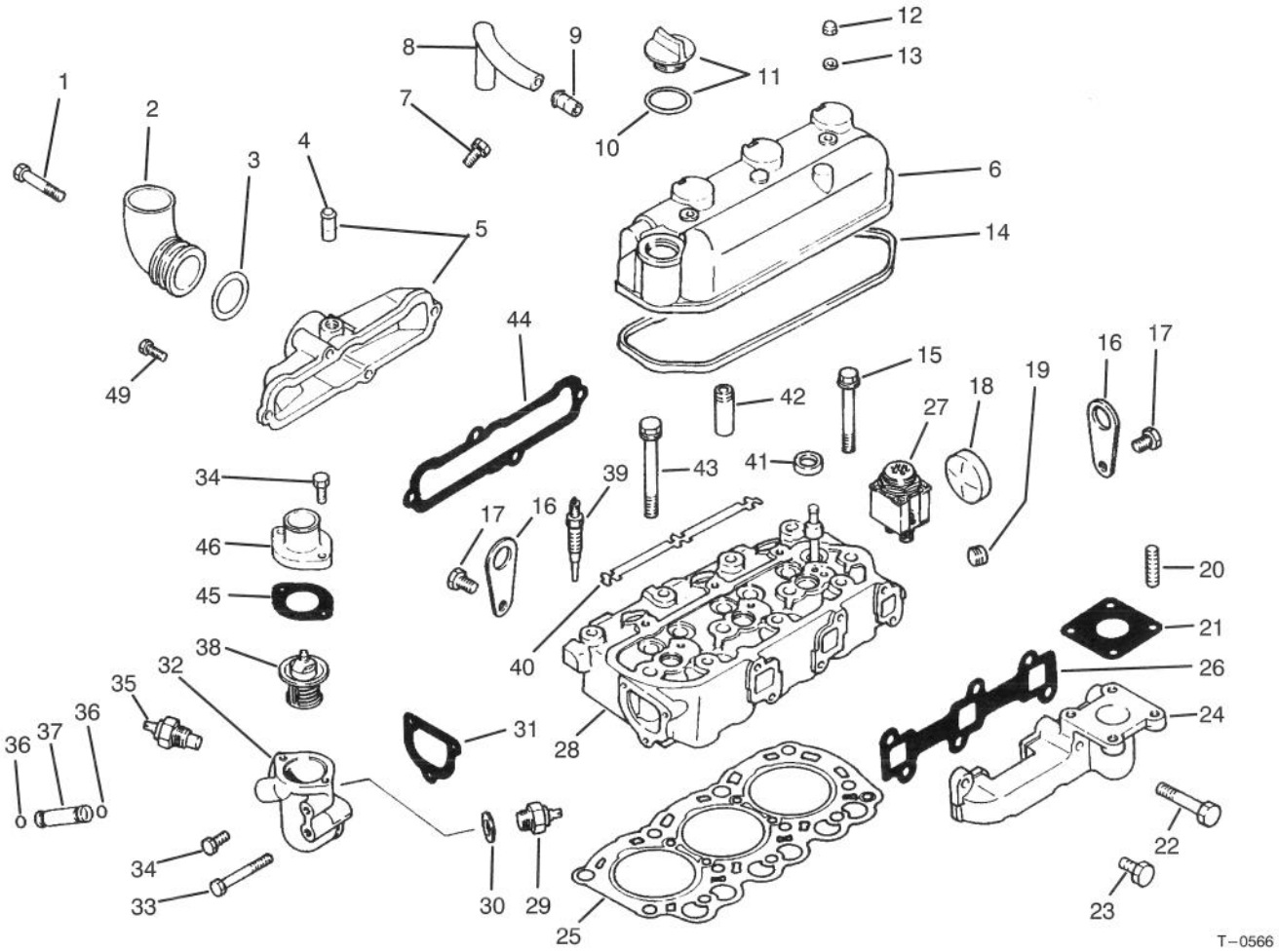
T–0564

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

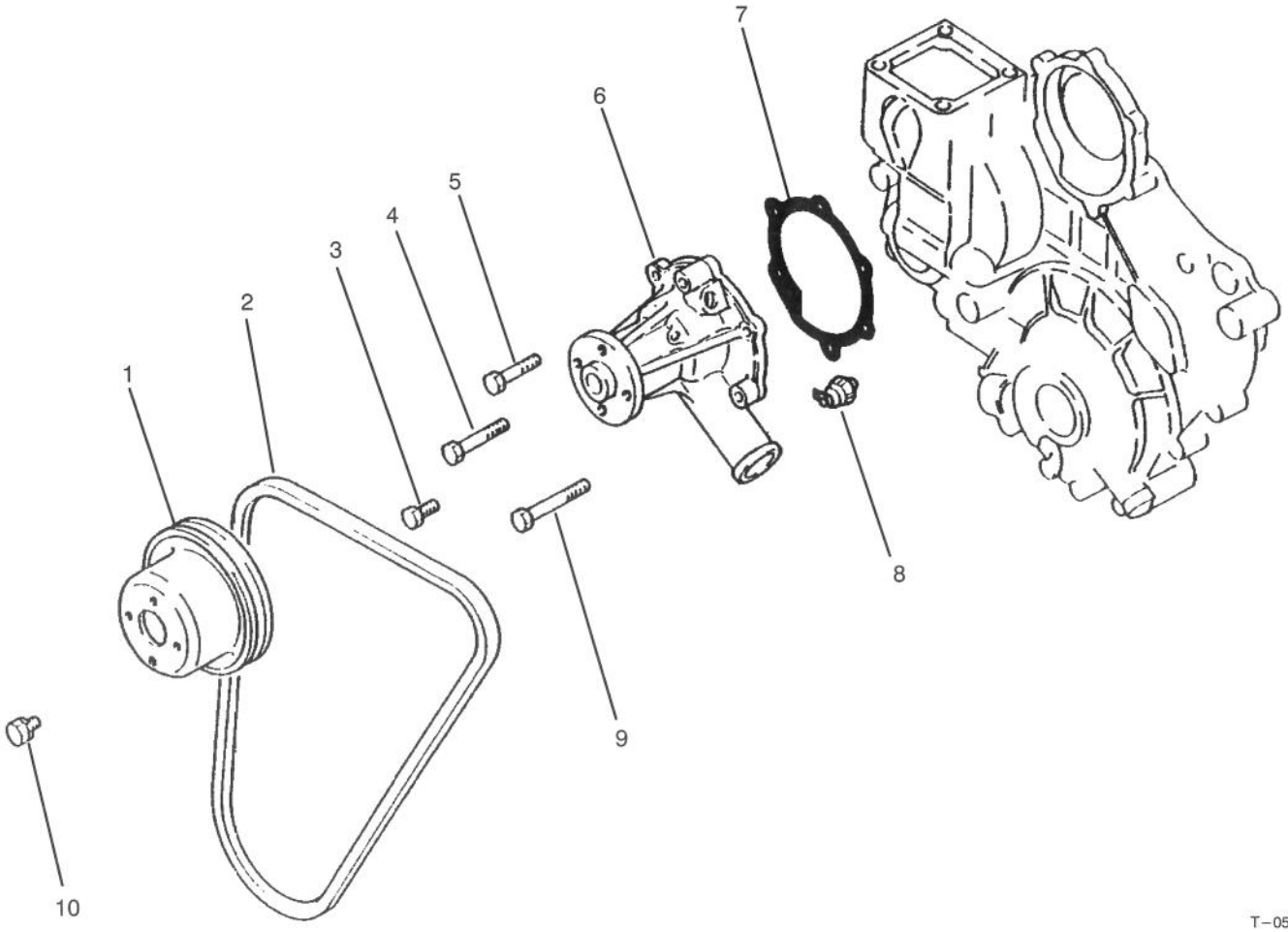
*Not Illustrated



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	67–2750	Cover Assembly (Incl. Ref. #9)	1
7	42–9430	Bolt W/Washer	1
8	67–2670	Hose – Breather	1
9	42–7510	Pipe	1
10	67–2660	Seal – O–Ring	1
11	67–2650	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

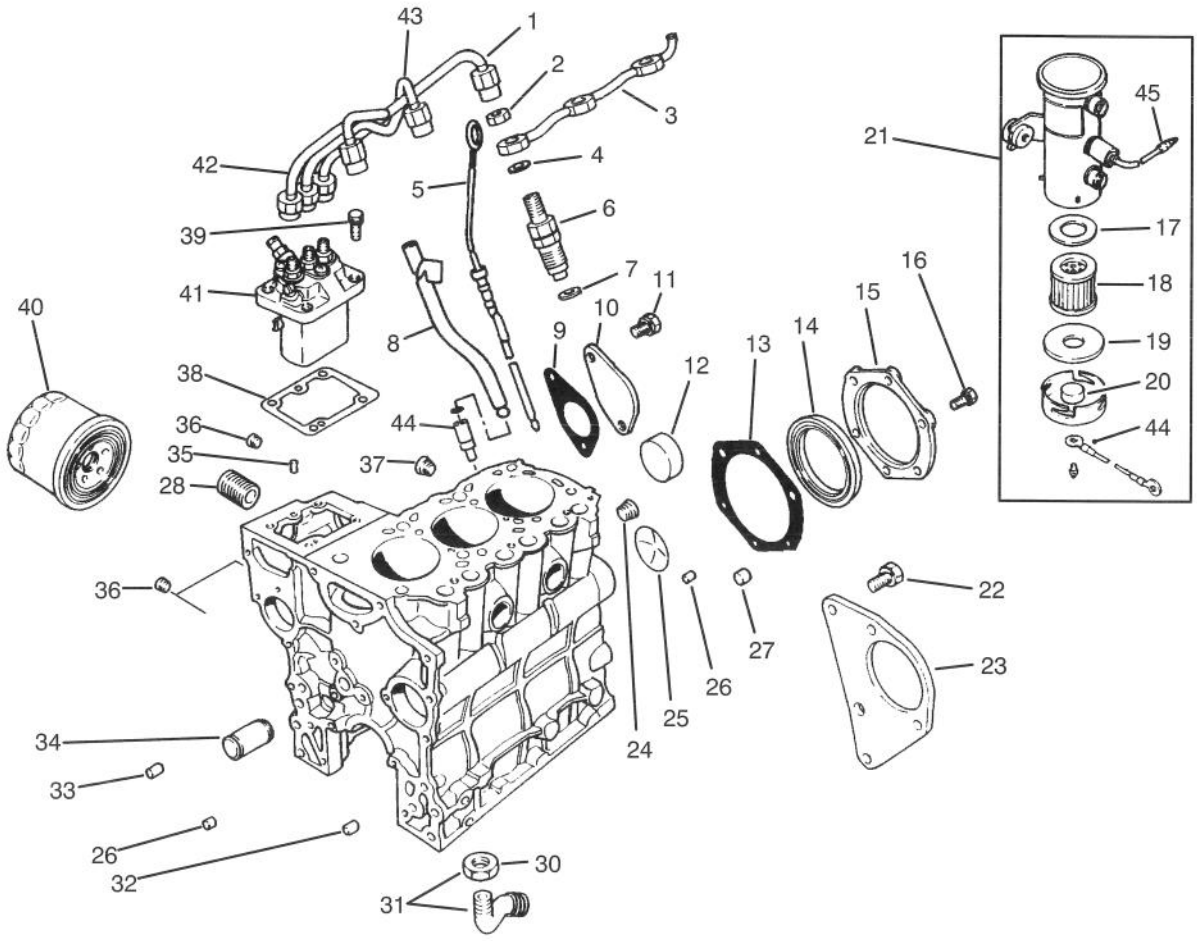


T–0568

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



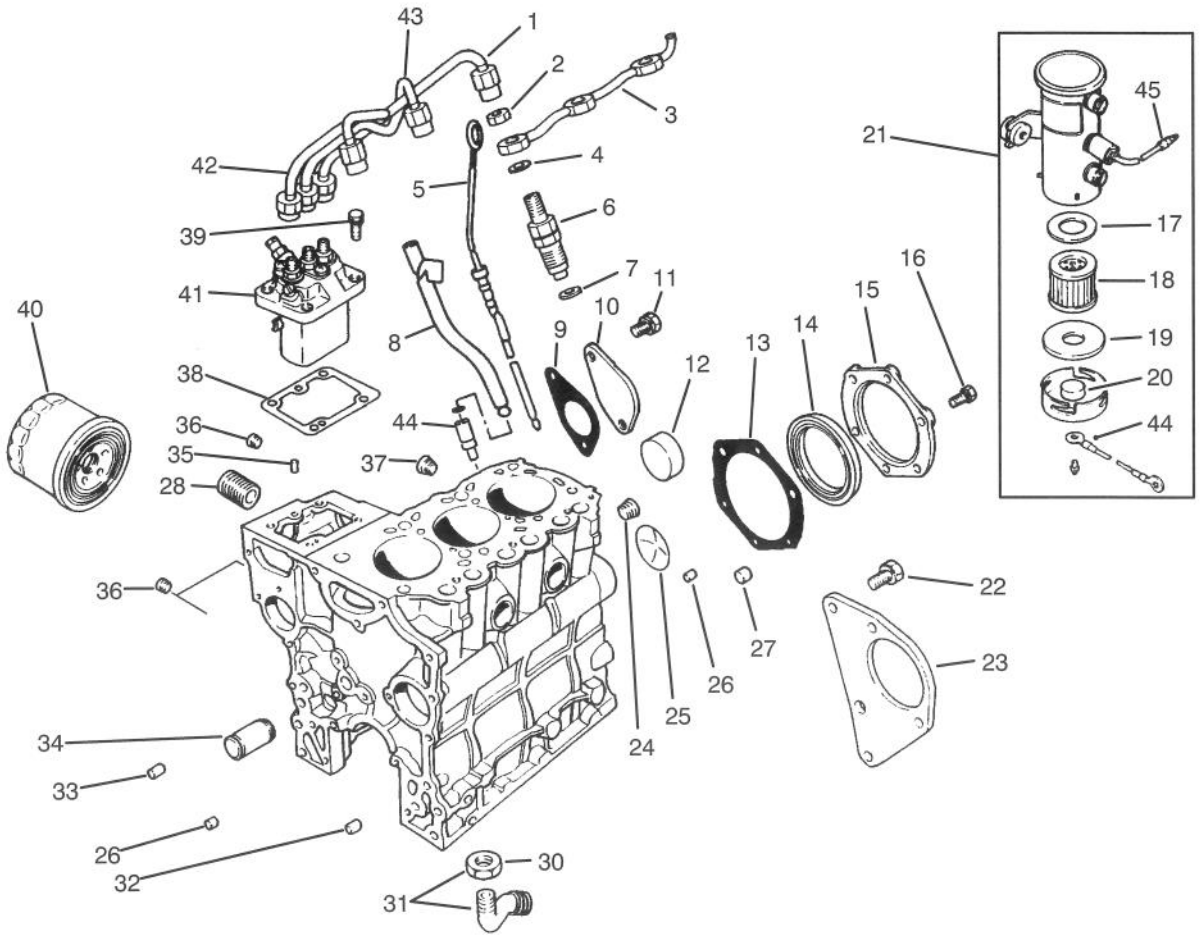
T–0569

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
17	43–2570	Gasket–Coil Side	1
18	43–2550	Filter	1
19	43–2560	Gasket – Side Cover	1
20	43–2580	Magnet	1
21	53–8150	Pump Assembly (Incl. Ref. #17–20)	1
22	67–2440	Bolt W/Washer	3
23	67–2430	Bracket – Starter	1

Ref. No.	Part No.	Description	No. Used
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
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

*Not Illustrated



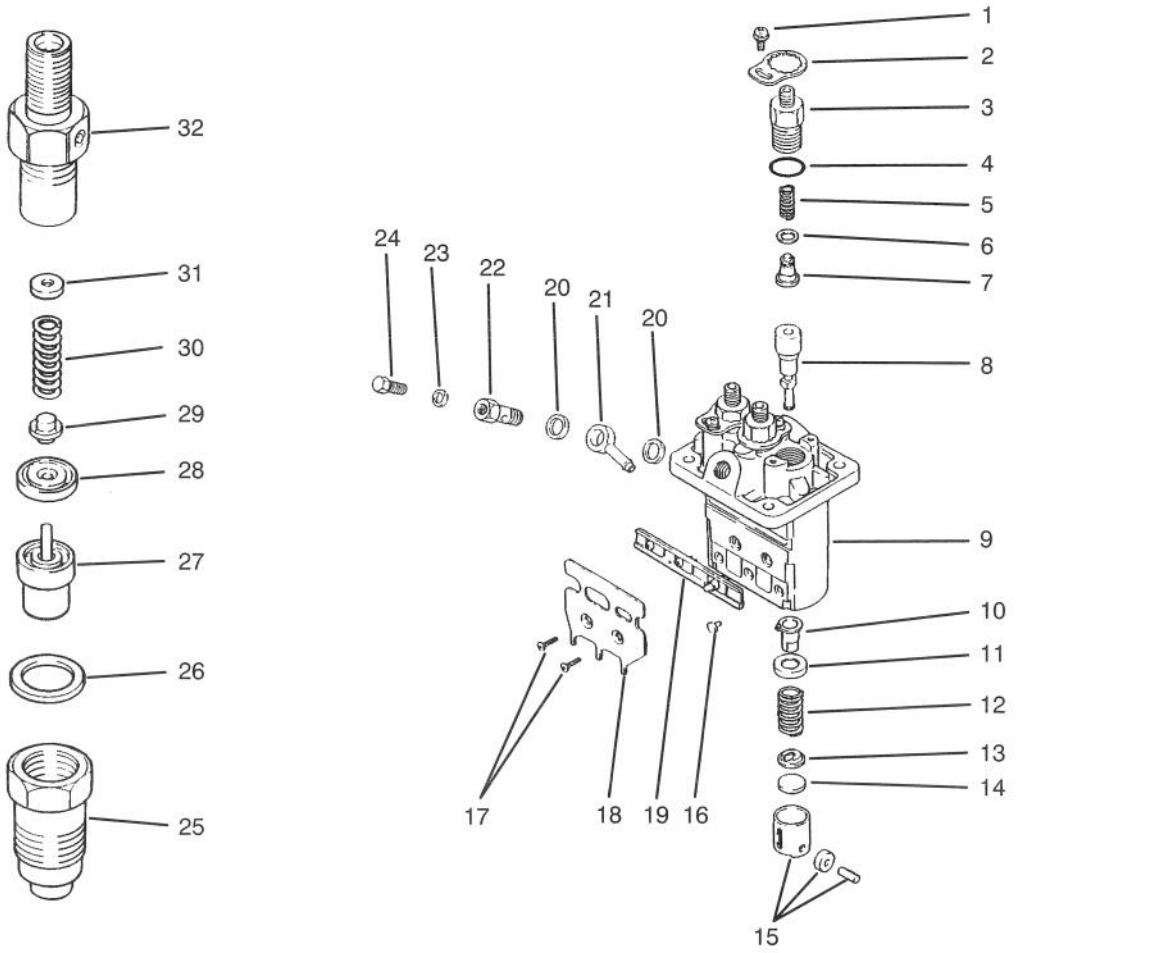
T–0569

FUEL SUPPLY & ENGINE BLOCK ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
40	67–4330	Oil Filter Assembly	1
41	75–5020	Injector Pump Assembly	
42	67–3400	Pipe Assy. No. 1	1

Ref. No.	Part No.	Description	No. Used
43	67–3410	Pipe Assy. No. 2	1
44	82–8110	Retainer – Oil Guide	1

*Not Illustrated



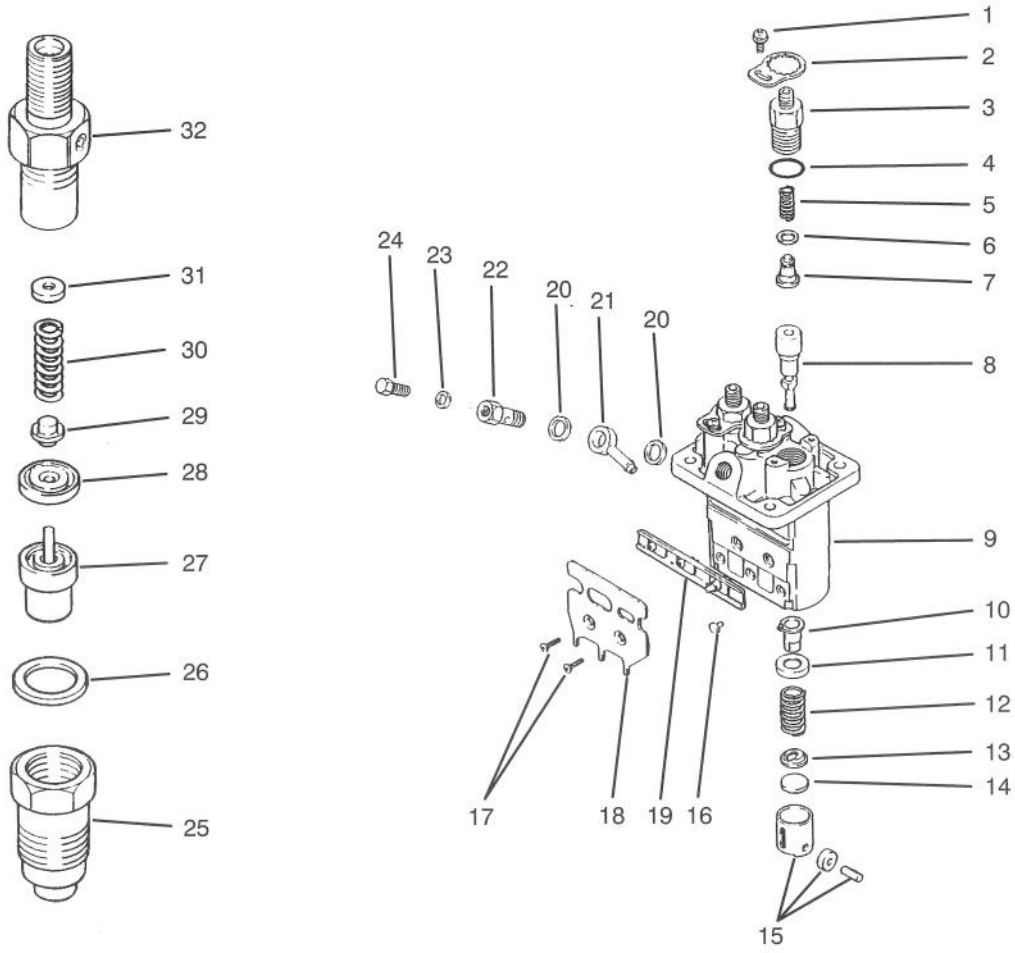
T–0570

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

Ref. No.	Part No.	Description	No. Used
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
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

*Not Illustrated



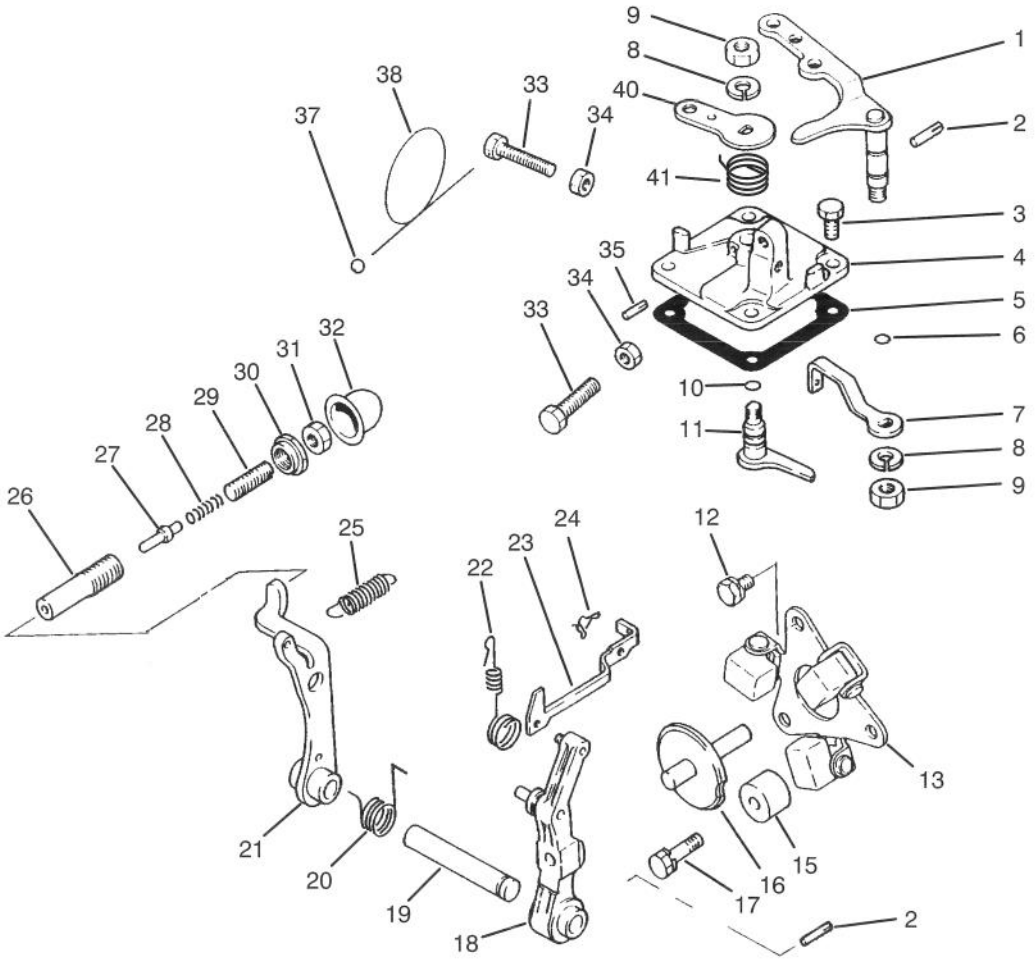
T–0570

FUEL INJECTION PUMP ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
31	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

Ref. No.	Part No.	Description	No. Used
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



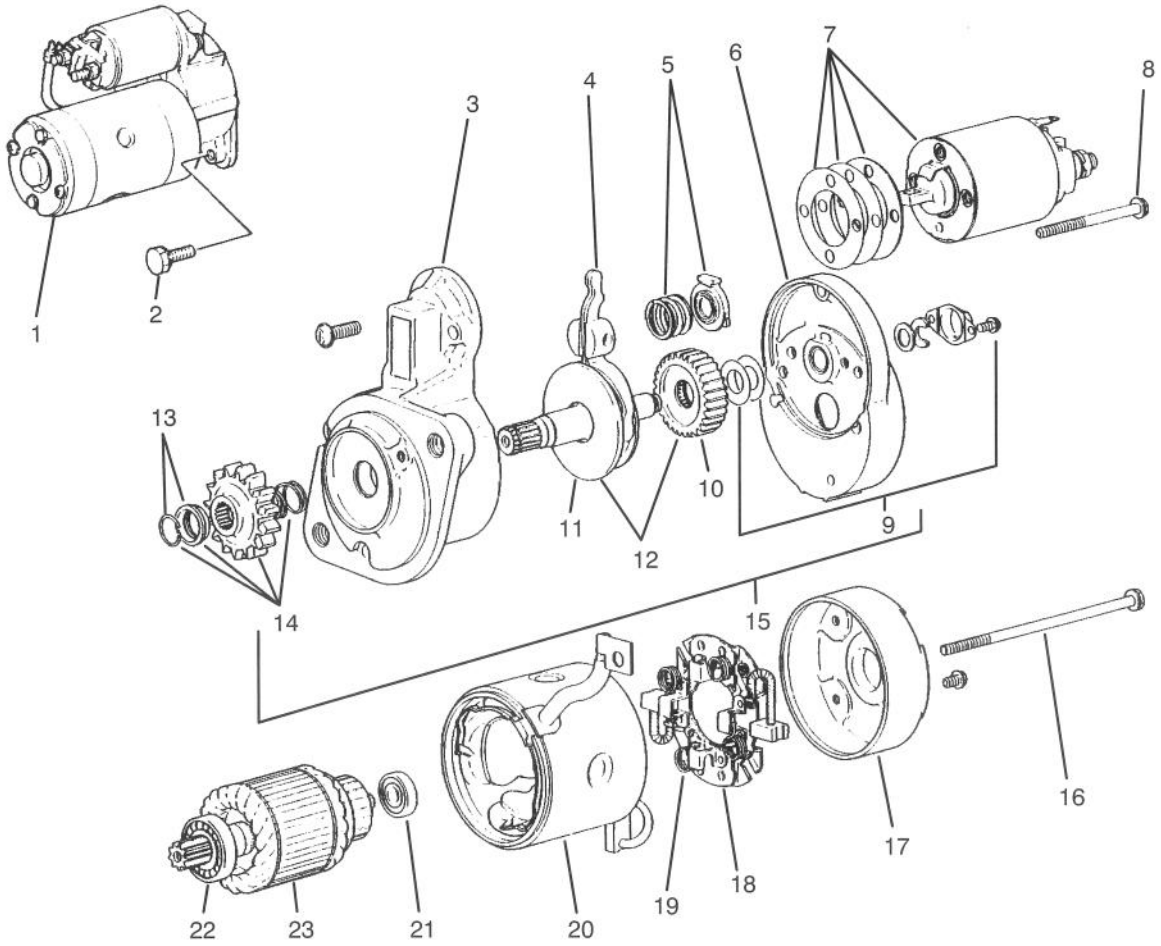
T–0571

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

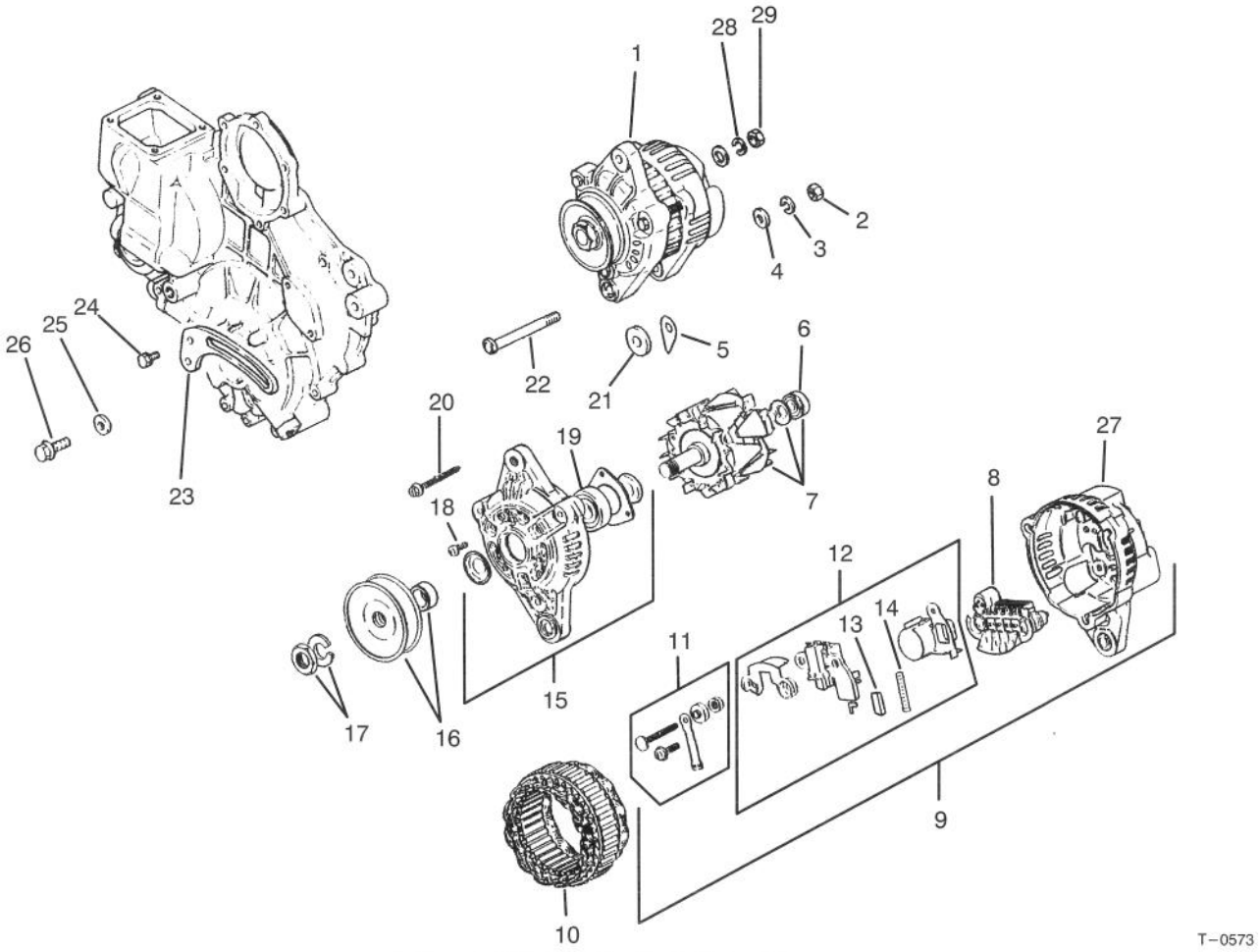


T–0572

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



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.
251-347	Bearing – Ball	31	12	2
3–3251	Spring	5	12	1
3–4324	Washer	34	38	1
3–6624	Spring	34	27	1
3–6657	Clip – Skid	33	33	1
3–7243	Spring – Return	5	20	2
4–2390	Washer	34	28	1
5–0652	Spacer	17	30	1
5–0652	Spacer	33	31	1
5–1226	Washer	27	37	A/R
5–3637	Washer – Flat	33	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
21–8320	Gasket – Wheel Bearing	16	20	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 LH	16	17	2
21–9430	Spring – Shoe Return RH	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 – Trunion	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
27–4310	Pin – Pivot	13	25	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	23	25	1
27–7110	Element Assembly	23	33	1
27–7120	Nut & Gasket Assembly	23	34	1
27–7130	Clamp Assembly	23	36	1
27–7140	Skirt – Baffle	23	35	1
27–7150	Cup Assembly	23	37	1
27–7160	Decal – Instructions	23	24	1
27–7170	Mounting Band Assembly	23	31	2
27–7180	Cap Assembly	23	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
28–3660	Lip Seal	19	9	1
28–3670	Shaft – Trunion	19	8	1
28–5220	Wheel – Friction	7	5	1
28–8070	Lanyard	24	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	33	5	1
37–2690	Capacitor	24	53	1
37–9590	Spring – Compression	23	44	1
38–2670	Kit – Charge Pump	19	37	1
38–2680	Pin	19	32	1
42–7080	Cap	39	2	2
42–7190	Bushing – Knock	42	33	2
42–7210	Plug–Taper	38	19	1
42–7290	Gasket – Drain	38	16	2
42–7510	Pipe	40	4	1
42–7510	Pipe	40	9	1
42–7840	Key	39	20	1
42–7860	Lock	36	33	12
42–7870	Seal	36	30	6
42–8240	Gasket	44	6	3
42–8690	Metal – Sealing	46	37	1
42–8700	Wire	46	38	1
42–8830	Seal – O–Ring	46	6	1
42–8830	Seal – O–Ring	46	10	1
42–9110	Gasket	40	21	1
42–9260	Plug – Drain	38	15	1
42–9420	Bolt – Speed Set	46	33	4
42–9430	Bolt W/Washer	40	7	1
42–9430	Bolt W/Washer	46	12	2
42–9440	Bolt W/Washer	38	8	11
42–9440	Bolt W/Washer	48	24	1
42–9440	Bolt W/Washer	36	25	4
42–9490	Bolt W/Washer	41	10	4

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
42-9490	Bolt W/Washer	39	11	2
42-9490	Bolt W/Washer	38	18	18
42-9510	Bolt	37	42	1
42-9570	Stud	40	20	4
42-9590	Nut	36	17	6
42-9600	Washer - Lock	31	9	28
42-9600	Washer - Lock M10	29	42	24
42-9640	Nut - Jam	46	9	2
42-9650	Nut - Jam	42	30	1
42-9660	Washer	48	4	1
42-9660	Washer	36	39	3
42-9850	Washer - Lock	34	4	4
42-9850	Washer - Lock	17	19	2
42-9850	Washer - Lock	33	41	2
42-9850	Washer - Lock M8	29	34	8
42-9850	Washer - Lock, M8	31	29	28
43-0370	Shim	48	5	1
43-0510	Spring - Brush	48	14	2
43-1920	Nut Set	48	17	1
43-2550	Filter	42	18	1
43-2560	Gasket - Side Cover	42	19	1
43-2570	Gasket-Coil Side	42	17	1
43-2580	Magnet	42	20	1
43-2710	Seal - O-Ring	40	36	2
43-2740	Gasket	34	24	1
43-2750	Nut - Jam	34	46	1
43-2820	Cap - Sealing	37	47	1
43-2820	Cap - Sealing Torque Set	46	32	1
43-3160	Screw - Adjusting	37	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	33	39	1
43-5930	Washer - Lock	31	14	12
43-5960	Nut - Special	37	46	1
43-5970	Nut - Hex.	33	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	24	54	1
43-8610	Guide - Spring & Ball Seat	24	59	1
43-8620	Guide - Switch Pin	24	63	1
43-8860	Plunger - Switch	24	60	1
43-8870	Boot - Switch	24	65	1
43-9071	Switch - Seat	24	*	1
44-2230	Coupling - Rubber	17	16	2
44-8320	Spring	35	10	3
44-8530	Sock - Hose	5	47	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
48-7680	Screw - Hex.	33	43	1
48-7710	Screw - Cap, M8 x 20	31	39	4
48-7780	Screw - Cap Hex. Hd.	28	9	8
48-7930	Nut - Hex.	34	5	4
48-7960	Nut	27	21	2
48-9220	Washer - Flat	28	10	8
48-9460	Bolt - Hex. Hd.	29	35	4
48-9460	Screw - Cap Hex. Hd.	17	20	2
48-9460	Screw - Cap, M8 x 25	31	28	20
48-9470	Bolt - M10 x 30	30	43	24
48-9470	Screw - Cap, M10 x 30	31	10	4
48-9590	Washer - Lock	34	12	10
48-9590	Washer - Lock	33	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	23	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	34	2	1
53-8150	Pump - Fuel	23	40	1
53-8150	Pump Assembly	45	*	1
53-8150	Pump Assembly	42	21	1
54-7950	Drive Shaft Assembly	9	*	1
54-8660	Washer	48	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 - Universal Joint	22	2	2
54-9180	Kit - Universal Joint	8	35	2
56-0020	Plug	39	24	3
56-0020	Plug - Expansion	40	18	1
56-0020	Plug-Expansion	42	12	3
56-0100	Plug - Taper	42	37	1
56-0220	Pin - Dowel	42	35	2
56-0480	Key - Woodruff	39	8	1
56-0480	Key - Woodruff	36	18	2
56-1060	Snap Ring	39	15	1
56-1230	Shaft - Oil Filter	42	28	1
56-1570	Bolt Set	47	8	1
56-1580	Armature Set	47	23	1
56-1590	Bearing - Front	47	22	1
56-1600	Bearing - Rear	47	21	1
56-1610	Bolt	47	16	1
56-1640	Stopper Set	47	13	1
56-1670	Gear	47	10	1
56-1680	Cover Set	47	9	1
56-1700	Holder - Brush	47	18	1
56-1710	Spring - Brush	47	19	4
56-1720	Bracket - Rear	47	17	1
56-2460	Washer - Flat	27	36	A/R
57-6390	Nut - Hex.	33	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	34	44	1
63-6040	Hose - Air Cleaner Inlet	23	21	1
63-6050	Clutch - Electric	34	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
63-6220	Shaft - PTO	8	20	1
63-6240	Belt - PTO	8	18	1
63-6250	Shaft - PTO Tension	34	34	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
63–6290	Pin – Tension	34	26	1
63–6440	Shield – Radiator	12	27	1
63–6530	Bracket – PTO Bearing	8	26	1
63–6610	Drive Shaft	17	17	1
63–6630	Cylinder – Lift	10	31	2
63–6690	Lever – Clutch Anchor	34	42	1
63–6700	Bracket	34	10	1
63–6720	Lever – Idler	33	24	1
63–6750	Link – Brake Cable	5	19	2
63–6760	Swivel – Throttle Cable	33	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
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
63–7372	Tank – Fuel	13	40	1
63–7380	Expansion Tank Assembly	33	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	34	1	1
63–7590	Relay	23	47	2
63–7600	Hose – Fuel	12	23	1
63–7610	Hose	9	61	1
63–7620	Hose	23	19	1
63–7630	Hose	13	7	2
63–7630	Hose	23	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 LH	5	16	1
63–7731	Cable – Brake RH	5	*	1
63–7790	Screw	34	13	10
63–7790	Screw	33	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	33	28	1
63–8150	Key	34	41	1
63–8230	Angle – Clutch Anchor	34	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	2
63–9250	Power Steering Valve Assy.	5	3	1
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	33	19	1
66–2330	Base – Battery	8	6	1
66–2360	Support – Muffler	34	6	2
66–2440	Plate – Reservoir	33	10	1
66–2450	Bracket – Air Cleaner	24	74	1
66–2451	Bracket – Air Cleaner	23	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	23	43	1
66–2630	Latch – Seat	23	14	1
66–2670	Bracket – Throttle	9	57	1
66–2720	Lever – Lift	10	4	1
66–2800	Rod – Seat Support	23	10	1
66–2870	Cable – Hood Stop	34	8	1
66–2870	Cable – Hood Stop	2	45	1
66–2900	Tie Rod End	34	20	1
66–2910	Bumper – Rubber	34	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	34	29	1
66–3110	Hyd. Fitting	17	9	2
66–3130	Fitting – Hydraulic Tee	10	12	1
66–3160	Screw	34	48	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
66–8670	Decal – Hood RH	1	*	1
66–8680	Decal – Hood LH	1	7	1
66–8690	Lamp Harness	4	4	1
66–8700	Indicator – Glow	33	32	1
66–8750	Decal – Control Levers	24	56	1
66–8760	Decal – Tower LH	2	33	1
66–8770	Decal – Tower RH	2	*	1
66–8800	Relay	23	50	1
66–9770	Seal	6	28	1
66–9780	Bushing	6	29	1
66–9850	Bolt – Special	6	36	4
66–9860	Upper Cover & Jacket	6	37	1
66–9870	Plate – Retaining	6	38	1
66–9880	Washer – Retaining Plate	6	39	1
66–9890	Ring – Retaining	6	40	1
66–9900	Shaft – Input	6	41	1
66–9970	Kit – Spring	6	*	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
66-9980	Kit – Seal	6	*	1
66-9990	Kit – Needle Roller	6	*	1
67-1630	Spacer – PTO	9	68	2
67-1631	Spacer	34	30	1
67-1690	Fitting	24	68	2
67-1700	Decal – Starting Fluid	23	23	1
67-1710	Decal – Interlock	23	48	1
67-1720	Decal – Caution	1	27	2
67-1750	Bushing	27	2	2
67-1800	Pivot Plate Assembly	34	37	1
67-1830	Carrier Bracket	13	31	2
67-1900	Screw – Cap Hex. Hd.	17	43	1
67-2200	Seal	39	4	4
67-2210	Plug – Taper	42	36	3
67-2230	Seal–Oil	42	14	1
67-2250	Bolt	39	5	8
67-2260	Shaft–Idler	42	34	1
67-2270	Case – Oil Seal	42	15	1
67-2280	Gasket–Seal, Oil	42	13	1
67-2290	Cover	42	10	1
67-2300	Gasket	42	9	1
67-2310	Plate – Front	38	6	1
67-2320	Gasket – Plate	38	7	1
67-2330	Bolt	41	3	2
67-2330	Bolt	42	16	6
67-2330	Bolt	40	34	4
67-2330	Bolt	40	49	2
67-2340	Bolt W/Washer	38	3	3
67-2340	Bolt W/Washer	42	11	2
67-2340	Bolt W/Washer	40	17	4
67-2350	Plug – Expansion	42	25	1
67-2360	Bushing – Knock	42	26	2
67-2370	Bushing – Knock	42	32	1
67-2380	Bushing – Knock	42	27	3
67-2390	Plug – Taper	42	24	1
67-2410	Bearing Set 0.25 mm US	39	*	1
67-2420	Bearing Set 0.50 mm US	39	*	1
67-2430	Bracket – Starter	42	23	1
67-2440	Bolt W/Washer	42	22	3
67-2480	Gasket – Oil Pan	38	17	1
67-2500	Plunger – Relief	38	25	1
67-2510	Spring – Relief	38	26	1
67-2520	Plug	38	28	1
67-2530	Gear – Inner	38	12	1
67-2540	Gear – Outer	38	11	1
67-2550	Housing – Oil Pump	38	10	1
67-2560	Bolt W/Washer	38	9	3
67-2570	Plug – Taper	40	19	1
67-2570	Plug – Taper	38	29	1
67-2580	Gasket – Case	38	2	1
67-2590	Seal – Oil	38	23	1
67-2600	Bolt	41	5	1
67-2600	Bolt	38	21	3
67-2610	Bolt	41	9	2
67-2610	Bolt	38	22	4
67-2620	Bolt	38	24	1
67-2630	Seal – O–Ring	38	20	2
67-2640	Cap	38	30	1
67-2650	Cap – Oil Filler	40	11	1
67-2650	Oil Fill Cap Assembly	38	32	1
67-2660	Seal – O–Ring	40	10	1
67-2660	Seal – O–Ring	38	31	1
67-2670	Hose – Breather	40	8	1
67-2680	Hanger –Engine	40	16	2
67-2700	Guide – Valve	40	42	6
67-2710	Cap – Sealing	40	41	3
67-2730	Bolt	40	43	8
67-2740	Bolt – Flange	40	15	3
67-2750	Cover Assembly	40	6	1
67-2760	Gasket	40	14	1
67-2770	Nut – Cap	40	12	2
67-2780	Washer	40	13	2
67-2850	Connecting Rod Assembly	36	9	3
67-2860	Bolt	36	12	6
67-2890	Bearing Set 0.25 mm US	36	*	3
67-2900	Bearing Set 0.50 mm US	36	*	3
67-2910	Gear	36	7	1
67-2920	Crankshaft	36	16	1
67-2930	Pulley – Crankshaft	36	19	1
67-2940	Nut – Jam	36	22	1
67-2950	Washer	36	20	1
67-2960	Washer – Lock	36	21	1
67-2970	Flywheel Assembly	36	13	1
67-2980	Gear – Ring	36	15	1
67-2990	Bolt	36	14	4
67-3000	Washer	39	10	2
67-3010	Cam Shaft	39	7	1
67-3020	Gear	39	12	1
67-3030	Bearing	39	9	2
67-3040	Plate	39	14	1
67-3050	Bearing	39	22	1
67-3060	Shaft	39	21	1
67-3070	Gear	39	17	1
67-3080	Snap Ring	39	23	1
67-3090	Gear Assembly	39	13	1
67-3100	Retainer	36	32	6
67-3110	Spring	36	31	6
67-3120	Tappet	36	6	6
67-3130	Valve – Intake	36	28	3
67-3140	Valve – Exhaust	36	29	3
67-3150	Rod–Push	36	5	6
67-3160	Arm–Rocker	36	1	6
67-3170	Spring	36	40	2
67-3180	Cap	36	34	6
67-3190	Rocker Shaft Assembly	36	38	1
67-3200	Stay – Rocker	36	35	3
67-3210	Screw – Adjusting	36	4	6
67-3220	Pin	36	37	1
67-3230	Nut – Jam	36	2	6
67-3240	Snap Ring	36	3	2
67-3250	Bolt–Rocker Stay	37	43	2
67-3260	Washer	48	3	1
67-3260	Washer	46	8	2
67-3260	Washer	37	41	3
67-3280	Shim 0.2 mm	42	38	1
67-3290	Shim 0.3 mm	42	*	1
67-3300	Shim 0.5 mm	42	*	1
67-3310	Shim 0.4 mm	42	*	1
67-3320	Shim 0.6 mm	42	*	1
67-3330	Shim 0.7 mm	42	*	1
67-3340	Shim 0.8 mm	42	*	1
67-3350	Shim 0.9 mm	42	*	1
67-3360	Shim 1.0 mm	42	*	1
67-3370	Bolt W/Washer	42	39	4
67-3380	Nozzle & Holder Assembly	42	6	1
67-3380	Nozzle and Holder Assembly	45	*	3
67-3390	Gasket – Nozzle Holder	42	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	42	1	1
67-3430	Nut	42	2	3
67-3440	Gasket	42	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

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
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	45	31	1
67–3850	Washer 1.35 mm	45	*	1
67–3860	Washer 1.4 mm	45	*	1
67–3870	Washer 1.45 mm	45	*	1
67–3880	Washer 1.5 mm	45	*	1
67–3890	Washer 1.55 mm	45	*	1
67–3900	Washer 1.6 mm	45	*	1
67–3910	Washer 1.65 mm	45	31	1
67–3920	Washer 1.7 mm	45	*	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	46	1	1
67–4000	Pin	46	2	2
67–4010	Stopper	46	15	1
67–4030	Rod – Tie	46	23	1
67–4040	Weight Assembly	46	13	1
67–4050	Shaft – Governor	46	19	1
67–4060	Lever – Governor	46	18	1
67–4070	Shaft – Sliding	46	16	1
67–4080	Clip	46	24	1
67–4090	Lever – Tension	46	21	1
67–4110	Cover Assembly	46	*	1
67–4120	Pin – Grooved	46	35	1
67–4130	Cover – Governor	46	4	1
67–4140	Lever – Stop	46	11	1
67–4150	Lever – Stop	46	40	1
67–4160	Gasket	46	5	1
67–4170	Spring Set	46	*	1
67–4180	Nut	46	31	1
67–4190	Spring – Torque	46	28	1
67–4200	Nut – Special	46	30	1
67–4210	Case – Torque Spring	46	26	1
67–4220	Screw – Adjusting	46	29	1
67–4230	Stopper	46	27	1
67–4270	Bolt	46	3	4
67–4280	Bolt W/Washer	46	17	1
67–4290	Nut	46	34	4
67–4310	Gasket	36	23	1
67–4330	Oil Filter Assembly	43	40	1
67–4340	Screen Assembly	42	31	1
67–4350	Switch – Oil Pressure	41	8	1
67–4360	Pulley – Water Pump	41	1	1
67–4380	Water Pump Assembly	41	6	1
67–4390	Gasket – Water Pump	41	7	1
67–4400	Bolt	40	1	2
67–4400	Bolt	41	4	1
67–4410	V–Belt	41	2	1
67–4420	Fitting – Water	40	46	1
67–4430	Gasket – Fitting	40	45	1
67–4440	Thermostat	40	38	1
67–4450	Fitting – Thermostat	40	32	1
67–4460	Gasket – Switch	40	31	1
67–4470	Bolt	40	33	1
67–4480	Pipe – By–Pass	40	37	1
67–4490	Gasket	40	30	1
67–4500	Switch – Thermo	40	29	1
67–4510	Gauge Nut – Temperature	40	35	1
67–4520	Pipe	40	2	1
67–4530	Cover – Intake	40	5	1
67–4540	Seal – O–Ring	40	3	1
67–4550	Gasket–Intake Manifold	40	44	1
67–4560	Manifold – Exhaust	40	24	1
67–4570	Gasket – Exhaust Manifold	40	26	1
67–4580	Bolt	40	22	2
67–4590	Bolt	40	23	4
67–4610	Bolt W/Washer	47	2	2
67–4620	Spacer	48	21	1
67–4630	Alternator Assembly	48	1	1
67–4640	Bolt	48	22	1
67–4660	Bolt – Flange	48	26	1
67–4670	Nut	48	2	1
67–4680	Plug – Glow	40	39	3
67–4690	Plate – Glow Plug	40	40	1
67–4700	Lamp – Glow	40	27	1
67–4720	Lever	47	4	1
67–4730	Spring Set	47	5	1
67–4750	Switch	47	7	1
67–4760	Shaft Assembly	47	15	1
67–4770	Pinion Set	47	14	1
67–4780	Gear Set	47	12	1
67–4790	Shaft	47	11	1
67–4800	Yoke	47	20	1
67–4810	Pulley Set	48	16	1
67–4820	Bolt Set	48	20	1
67–4830	Front Bracket Assembly	48	15	1
67–4840	Screw Set	48	18	1
67–4850	Bearing – Front	48	19	1
67–4860	Rotor Assembly	48	7	
67–4870	Bearing – Rear	48	6	1
67–4880	Stator	48	10	1
67–4890	Rear Cover Assembly	48	9	1
67–4900	Terminal Set	48	11	1
67–4910	Regulator Assembly	48	12	1
67–4920	Brush	48	13	2
67–4930	Rectifier	48	8	1
67–5040	Spring	46	20	1
67–7050	Field Rotor Assembly	35	1	1
67–7060	Ring – Retaining	35	8	1
67–7070	Armature & Pulley Assembly	35	5	1
67–7080	Collar – Bearing	35	6	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
67-7090	Bearing – Pulley	35	7	1
67-7100	Plate – Brake	35	11	1
67-7120	Fusible Link	4	5	1
67-7130	Diode	4	6	1
67-7160	Fuse Block	23	1	1
67-7180	Wire – Seat	4	9	1
67-7210	R-Clamp	9	60	2
68-5140	Steering Wheel Cap Assy.	5	7	1
68-5370	Decal – Toro	5	40	1
68-6822	Rear Axle Assembly	27	1	1
68-7010	Flange	14	26	1
68-7370	Wire – Glow	4	11	1
68-7380	Connector Assembly	4	12	1
69-4780	Clamp – Gauge	3	18	1
70-2560	Decal – Lube	27	16	1
70-7290	Bracket – Seat Switch	24	51	1
70-7530	Spring – Compression	10	3	1
70-8560	Retainer – Glow Plug	33	30	1
70-8621	Cap – Fuel	13	11	1
70-8700	Pipe – Fuel Return	42	3	1
70-8720	Spring – Tie Rod	46	22	1
70-8760	Starter Assembly	47	1	1
70-8770	Bracket – Front	47	3	1
70-8780	Bracket – Center	47	6	1
70-8870	Guide – Oil Level	42	8	1
70-8880	Dipstick	42	5	1
71-1520	Cap – Reservoir	33	44	1
71-2910	Angle – Engine Mount	33	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	27	18	10
71-4530	Tie Rod Assembly	28	*	1
71-4540	Washer	27	14	1
71-4570	Housing – Clutch	27	27	1
71-4580	Clutch – Roller	27	25	2
71-4590	Washer – Thrust	27	24	2
71-4690	Screw – Cap Hex. Hd.	27	22	2
71-4750	Tube & Clamp Assembly	28	21	1
71-4760	Seal – Rod	28	15	2
72-3410	Yoke – Flange	22	1	1
72-3420	Shaft – Yoke, Slip	22	3	1
72-3440	Yoke – Shaft	22	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	24	57	1
72-4870	Case – Differential	29	24	1
72-4880	Cover	29	2	1
72-4890	O-Ring	29	3	1
72-4900	Case – Differential	29	8	1
72-4910	Flange – Case	29	12	1
72-4930	Gear – Side	29	9	1
72-4940	Gear – Side	29	40	1
72-4950	Gear – Pinion	29	10	2
72-4960	Shim .1 mm	29	5	1
72-4970	Shim .15 mm	29	*	1
72-4980	Shim .5 mm	29	*	1
72-4990	Shim .8 mm	29	*	1
72-5000	Shim 1.0 mm	29	*	1
72-5010	Shim 1.2 mm	29	*	1
72-5020	Shaft – Pinion	30	47	1
72-5030	Pin – Dowel	30	45	2
72-5040	Washer – Gear	29	11	1
72-5050	Tube – Axle RH	29	16	1
72-5060	Axle – RH	29	17	1
72-5070	Gasket	29	15	2
72-5080	Gasket	29	14	2
72-5090	Gear – Bevel	31	18	2
72-5090	Gear – Bevel	29	21	2
72-5100	Spacer	29	20	2
72-5110	Tube – Axle LH	30	44	1
72-5120	Axle – LH	29	41	1
72-5130	Vent	29	23	1
72-5140	O-Ring	29	25	1
72-5150	Plug	29	26	1
72-5160	Shim .1mm	29	29	1
72-5170	Shim .15 mm	29	*	1
72-5180	Shim .5 mm	29	*	1
72-5190	Shim .8 mm	29	*	1
72-5200	Shim 1.0 mm	29	*	1
72-5210	Shim 1.2 mm	29	*	1
72-5360	Ring – Retaining	29	19	2
72-5370	Ring – Retaining	29	22	2
72-5440	Pin –Spring	30	46	1
72-5460	O-Ring	29	32	1
72-5510	Gear Box – Axle	31	23	2
72-5520	Case – Knuckle	31	38	2
72-5540	Case – Knuckle	31	30	2
72-5550	Cover	31	26	2
72-5560	Pin – King, Knuckle	31	20	2
72-5570	Shaft – Axle, Outer	31	35	2
72-5580	Gear – Bevel	31	5	4
72-5590	Retainer – Bearing	31	15	2
72-5600	Washer – Thrust	31	21	2
72-5620	Gasket	31	1	4
72-5630	Gasket	31	16	2
72-5640	Bearing – Needle	31	22	2
72-5650	Hub – Wheel	31	34	2
72-5660	Washer – Shaft, Wheel	31	33	2
72-5670	Pin – Dowel	31	7	4
72-5680	Spacer	31	19	2
72-5720	Ring – Retaining	31	4	2
72-5730	Seal – Oil	31	24	4
72-5740	Seal – Oil	31	2	2
72-5770	Nut – Castle	31	32	2
72-5780	Key	31	36	2
72-5790	Screw – Cap, M6 x 18	31	13	12

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
72–5800	Bolt	29	1	8
72–5810	Bolt	29	7	8
72–5820	Plug	29	28	1
72–5840	Gasket	29	27	1
72–6140	Cover – Rear	48	27	1
72–9390	Seat Belt Assembly	25	1	1
72–9420	Vent Assembly	15	40	1
74–0720	Tube – Manual	26	1	1
75–0560	Wheel – Steering	5	6	1
75–0900	Engine	33	18	1
75–4704	Hose	12	35	1
75–4900	Bearing Set STD	39	3	1
75–4910	Oil Pan Assembly	38	14	1
75–4920	Case	38	1	1
75–4930	Cylinder Head Assembly	40	28	1
75–4940	Brace – Alternator	48	23	1
75–4950	Gasket – Cylinder Head	40	25	1
75–4960	Block Assembly	39	1	1
75–4970	Element	44	8	3
75–4980	Lever – Governor Spring	46	7	1
75–4990	Spring – Governor	46	25	1
75–5000	Body	45	32	3
75–5010	Bearing Set STD	36	8	3
75–5020	Injector Pump Assembly	43	41	
75–5040	Gasket Kit	38	*	1
75–5050	Ring Set STD	36	11	3
75–5060	Ring Set 0.25 mm OS	36	*	3
75–5070	Ring Set 0.50 mm OS	36	*	3
75–5080	Piston & Pin Set STD	36	10	3
75–5090	Piston & Pin Set	36	*	3
75–5100	Piston & Pin Set	36	*	3
75–5110	Cover Assy.	36	24	1
75–5120	Gasket	37	45	1
75–6880	Spark Arrester Screen	34	*	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	27	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	30	*	1
77–2980	Arm – Knuckle	31	8	2
82–2310	Radiator Assembly	12	26	1
82–5730	Rod End	32	15	1
82–5740	Nut – Jam	32	14	1
82–8110	Retainer – Oil Guide	43	44	1
82–8530	Fitting	17	26	1
82–8950	Foam	2	51	2
83–5180	Shim – Axle	28	23	A/R
83–5330	Washer – Bearing	29	38	1
83–5340	Nut – Bearing	29	37	1
83–5350	Case – Bearing	29	33	1
83–5360	Seal – Oil	29	36	1
84–1870	Bracket	33	23	1
84–1880	Fan – Cooling	33	1	1
84–1890	Pulley – Fan	33	2	1
84–1910	Muffler	34	3	1
84–1930	Hub – Fan	33	3	1
84–1940	Hub	33	7	1
84–1950	Decal – GM 223–D	1	5	2
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
84–7720	Belt – Fan	33	29	1
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
86–7220	Gear – Spur	17	36	1
86–7230	Gear – Spur	14	17	1
86–7930	Upper Housing Assembly	14	22	1
88–3590	Nut – Lock	32	12	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
92–5050	Pin – Rear Axle	27	8	1
92–5053	Frame – Rear	27	5	1
92–5061	Support – Cylinder	28	7	1
92–5067	Arm – Steering LH	28	13	1
92–5070	Arm – Steering RH	28	22	1
92–5072	Rod End Assembly	28	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	28	1	1
92–5080	Hose – Hydraulic	20	12	1
92–5080	Hose – Hydraulic	5	37	1
92–5081	Hose – Hydraulic	28	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	27	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	28	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	25	9	2
92–5516	Bracket – R.O.P.S. RH	25	*	1
92–5517	Bracket – R.O.P.S. LH	25	15	1
92–5518	Frame – R.O.P.S.	25	6	1
92–5521	Strap – Tie Down	25	20	2
92–5529	Hydraulic Cylinder Assembly	28	6	1
92–5532	Link	7	29	1
92–5534	Shaft – Traction Pedal	7	26	1
92–5536	Tube – Traction Control	7	15	1
92–5536	Tube – Traction Control	17	1	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	32	11	1
92–5704	Rod	32	2	1
92–5705	Cap – Threaded	32	1	1
92–5706	Head – Cap	32	5	1
92–5707	Seal Repair Kit	32	*	1
92–5708	Screw – Set	32	17	1
92–5709	Housing	19	6	1
92–5716	Center Section	19	39	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
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	23	9	1
92-5772	Decal Traction Pedal	2	38	1
92-5773	Decal – Starting Instructions	24	78	1
92-5774	Decal – Caution	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
92-6504	Seat Frame Assembly	24	55	1
936125	Ring – Retaining	17	37	1
217-106	Wheel	27	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	24	64	1
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
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	27	17	2
232-27	Valve Stem w Cap	13	*	2
232-31	Valve Stem w/Cap	13	21	2
232-37	Stem – Valve	27	20	2
233-17	Knob	5	8	1
233-39	Knob	10	5	1
233-39	Knob	9	54	1
237-7	O-Ring	24	62	1
237-21	Seal – O-Ring	28	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	24	58	1
237-42	O-Ring	17	7	4
237-65	Seal – O-Ring	10	9	5
237-78	Seal – O-Ring	28	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	28	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	23	22	1
2412-74	R-Clamp	24	52	1
2412-92	Clamp – Hose	24	73	1
2412-96	R-Clamp	13	9	1
2412-103	Clamp – R	12	22	2
2412-104	R-Clamp	9	73	2
2412-107	R-Clamp	24	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	23	41	4
2412-108	Hose Clamp	17	34	4
2412-133	R-Clamp	26	2	2
251-8	Bearing – Ball	31	6	2
251-77	Collar – Locking	8	22	1
251-253	PTO Shaft Bearing Assembly	8	23	1
251-259	Bearing – Ball	21	23	1
251-263	Bearing – Ball	31	25	2
251-326	Flange – Bearing	9	66	2
251-335	Bearing	34	33	1
251-344	Bearing – Ball	29	4	1
251-345	Bearing – Ball	29	13	1
251-348	Bearing – Ball	31	3	2
251-349	Bearing – Ball	31	17	2
251-350	Bearing – Ball	29	18	2
253-155	Seal	27	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	29	31	1
254-109	Bearing – Tapered Roller	29	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	34	36	2
281-7	Plug – Pipe, Square Hd.	31	37	2
281-10	Plug – Socket, Hex.	31	27	2
282-27	Clevis	10	22	1
283-16	Pin – Clevis	10	19	1
283-49	Pin – Clevis	23	8	2
283-58	Pin – Clevis	5	17	4
283-58	Pin – Clevis	10	23	1
283-58	Pin – Clevis	2	44	1
284-3	Plug – Welch	27	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	27	26	1
302-5	Fitting – Grease	5	30	2
302-5	Fitting – Grease	34	32	1
302-33	Fitting – Grease 90°	27	9	1
302-55	Fitting – Grease	28	17	3
302-58	Fitting – Grease	22	4	1
302-58	Fitting – Grease	8	30	1
302-59	Plug – Grease	27	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.	34	14	2
321-3	Screw – Cap Hex. Hd.	5	21	1
321-3	Screw – Cap Hex. Hd.	33	37	4
321-4	Screw – Cap Hex. Hd.	8	9	4
321-4	Screw – Cap Hex. Hd.	23	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.	33	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.	24	69	1

*Not Illustrated

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Part No.	Description	Pg. No.	Ref. No.	Qty.
321-8	Screw – Cap Hex. Hd.	23	38	2
321-9	Screw – Cap Hex. Hd.	21	3	2
321-11	Screw – Cap Hex. Hd.	10	16	2
322-2	Screw – Cap Hex. Hd.	26	3	2
322-3	Screw – Cap Hex. Hd.	8	37	1
322-3	Screw – Cap Hex. Hd.	24	72	4
322-4	Screw	33	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.	23	32	5
322-5	Screw – Cap Hex. Hd.	8	39	15
322-5	Screw – Cap Hex. Hd.	2	56	3
322-5	Screw ° Cap Hex. Hd.	34	7	1
322-6	Screw – Cap Hex. Hd.	34	50	1
322-7	Nut – Jam	18	50	1
322-8	Screw – Cap Hex. Hd.	27	35	2
322-9	Screw – Cap Hex. Hd.	8	34	4
322-11	Screw – Cap Hex. Hd.	33	21	1
322-13	Screw – Cap Hex. Hd.	23	5	4
322-14	Screw – Cap Hex. Hd.	25	14	2
322-14	Screw – Cap Hex. Hd.	24	79	2
322-17	Screw – Cap Hex. Hd.	21	18	1
323-6	Screw – Cap Hex. Hd.	33	25	1
323-8	Screw – Cap Hex. Hd.	33	26	1
323-8	Screw – Cap Hex. Hd.	19	29	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.	28	18	2
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.	34	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.	25	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.	25	7	4
325-5	Screw – Cap Hex. Hd.	27	7	2
325-9	Screw – Cap Hex. Hd.	25	17	4
325-14	Screw – Cap Hex. Hd.	25	5	2
325-23	Screw – Cap Hex. Hd.	27	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.	28	29	1
3210-8	Screw – Cap Hex. Hd.	17	24	2
3212-4	Screw – Cap Hex. Hd.	25	4	2
3212-5	Screw	34	25	1
3215-3	Screw	28	19	2
3215-3	Screw – Cap Hex. Hd.	28	24	4
3216-3	Screw – Cap Hex. Hd.	10	32	2
3217-5	Nut – Hex.	33	47	1
3217-9	Nut – Lock	25	18	4
3217-16	Nut – Hex.	21	11	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	34	21	1
3220-2	Nut – Jam RH	10	21	1
3220-3	Nut – Jam	7	16	1
3220-5	Nut – Jam	28	25	1
3220-6	Nut	6	27	1
3220-6	Nut –Hex.	5	5	1
3220-11	Nut – Jam	28	8	4
3230-2	Bolt – Carriage	33	13	1
3230-2	Bolt – Carriage	7	25	2
3230-2	Bolt – Carriage	9	67	2
3230-2	Carriage – Bolt	21	12	2
3230-4	Bolt – Carriage	34	35	2
3230-23	Bolt – Carriage	33	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
3234-13	Screw – Flange Hd.	13	22	2
3234-14	Screw – Flange Hd.	1	21	8
3234-17	Screw – Flange Hd.	12	4	2
3234-17	Screw – Flange Hd.	23	15	2
3234-25	Screw – Flange	27	4	4
3241-6	Screw – Set	17	13	2
3246-1	Screw – Set	8	21	1
3249-11	Screw – Round Hd.	21	8	2
3250-39	Screw – Pan Head	34	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	23	13	2
3253-3	Washer – Lock	13	15	5
3253-3	Washer – Lock	27	33	6
3253-3	Washer – Lock	33	36	5
3253-4	Washer – Lock	25	13	2
3253-4	Washer – Lock	34	49	1
3253-4	Washer – Lock	9	76	4
3253-4	Washer – Lock	24	80	2
3253-6	Washer – Lock	25	3	2
3253-7	Washer – Lock	25	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	33	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	23	39	1
3256-22	Washer – Flat	10	7	2
3256-22	Washer – Flat	12	15	4
3256-22	Washer – Flat	23	18	9
3256-22	Washer – Flat	3	21	4
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	23	3	6
3256-23	Washer – Flat	26	4	2
3256-23	Washer – Flat	25	12	2
3256-23	Washer – Flat	21	19	2
3256-23	Washer – Flat	34	19	4
3256-23	Washer – Flat	33	20	1
3256-23	Washer – Flat	5	42	2
3256-24	Washer – Flat	8	4	4
3256-24	Washer – Flat	23	7	1
3256-24	Washer – Flat	7	12	5
3256-24	Washer – Flat	34	22	2
3256-24	Washer – Flat	33	27	1
3256-24	Washer – Flat	17	44	1
3256-25	Washer – Flat	25	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	25	8	6
3256-26	Washer – Flat	5	14	1

*Not Illustrated

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3256-27	Washer – Flat	23	45	1
3256-67	Washer – Flat	13	14	3
3256-69	Washer – Flat	5	45	A/R
3256-69	Washer – Flat	24	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.	23	30	2
3269-10	Washer – Flat	12	29	7
3269-13	Rivet	12	31	7
3272-4	Pin – Cotter	24	75	2
3272-5	Pin – Cotter	5	13	3
3272-5	Pin – Cotter	10	20	1
3272-6	Pin – Cotter	7	14	4
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
3272-11	Pin – Cotter	23	6	2
3272-11	Pin – Cotter	28	11	2
3272-15	Pin – Cotter	8	7	1
3272-17	Pin – Cotter	31	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.	27	34	6
3274-64	Screw – Cap, Soc. Hd.	22	7	6
3274-64	Screw – Socket Hd.	3	2	4
3290-55	Rivet	12	13	2
3290-255	Pin – Hair, Cotter	23	11	1
3290-271	Rivet	2	48	4
3290-359	Screw – Machine	1	9	4
3290-378	Tie – Cable	24	61	1
3290-378	Tie – Cable	9	75	1
3296-4	Nut – Lock	28	26	1
3296-6	Nut – Lock	35	9	3
3296-9	Nut – Lock	34	15	2
3296-12	Nut – Hex.	2	49	4
3296-12	Nut – Lock	3	19	1
3296-12	Nut – Lock	23	49	4
3296-15	Nut – Lock	10	24	2
3296-20	Nut – Lock	5	2	4
3296-25	Nut – Lock	27	6	2
3296-29	Nut – Lock	34	9	2
3296-29	Nut – Lock	5	10	2
3296-29	Nut – Lock	33	12	3
3296-29	Nut – Lock	21	20	3
3296-29	Nut – Lock	8	25	12
3296-29	Nut – Lock	27	31	2
3296-29	Nut – Lock	10	40	1
3296-39	Nut – Lock	28	14	2
3296-39	Nut – Lock	7	21	1
3296-39	Nut – Lock	33	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	23	4	4
3296-42	Nut – Lock	12	11	4
3296-42	Nut – Lock	34	11	2
3296-42	Nut – Lock	5	25	1
3296-42	Nut – Lock	10	34	2
3296-45	Nut – Lock	27	13	1
3296-48	Nut – Lock	13	17	4
3296-48	Nut – Lock	25	19	4
3296-51	Nut – Lock	27	15	1
3296-59	Nut – Lock	34	23	1
32105-1	Screw	3	17	1
32105-8	Screw	33	45	2
32105-13	Screw – Cap Hex. Hd.	23	2	4
32107-11	Nut – Square	23	28	2
32120-10	Ring – Retaining	33	4	1
32121-6	Pin – Roll	7	4	1
32121-6	Pin – Roll	23	46	1
32121-15	Pin – Roll	15	34	1
32121-32	Pin – Roll	34	39	1
32121-34	Pin – Roll	27	29	1
32121-34	Pin – Roll	8	33	1
32121-44	Pin – Roll	32	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	33	8	3
32128-20	Nut – Flange	1	25	4
32128-20	Nut – Flange	23	26	9
32128-20	Nut – Flange	9	72	5
32128-20	Nut – Lock	12	3	6
32128-20	Nut – Lock	13	10	1
32128-23	Nut – Flange Lock	25	11	4
32128-25	Nut – Flange Lock	7	28	2
32128-25	Nut – Flange Lock	2	57	3
32128-33	Nut – Flange	1	6	13
32128-33	Nut – Hex. Flange	24	76	2
32128-49	Nut – Flange	7	23	2
32128-56	Nut – Flange	7	24	2
32136-13	Nut – Slotted	28	12	2
32144-1	Screw – Hex. Hd.	3	20	2
32144-14	Screw – Cap Hex. Hd.	27	10	1
32144-21	Screw – Pan Hd. Phillips	5	41	1
32149-1	Nut – Keps	34	31	2
32149-1	Nut – Lock	9	65	2
32149-7	Nut – Keps	33	46	2
32151-46	Ring – Retaining	19	1	2
32151-83	Snap Ring	34	47	2
32151-87	Ring – Retaining	27	23	1
32152-5	Nut – Lock	17	14	6
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°	28	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'sproducts 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.

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MAINTENANCE RECORD

Date								