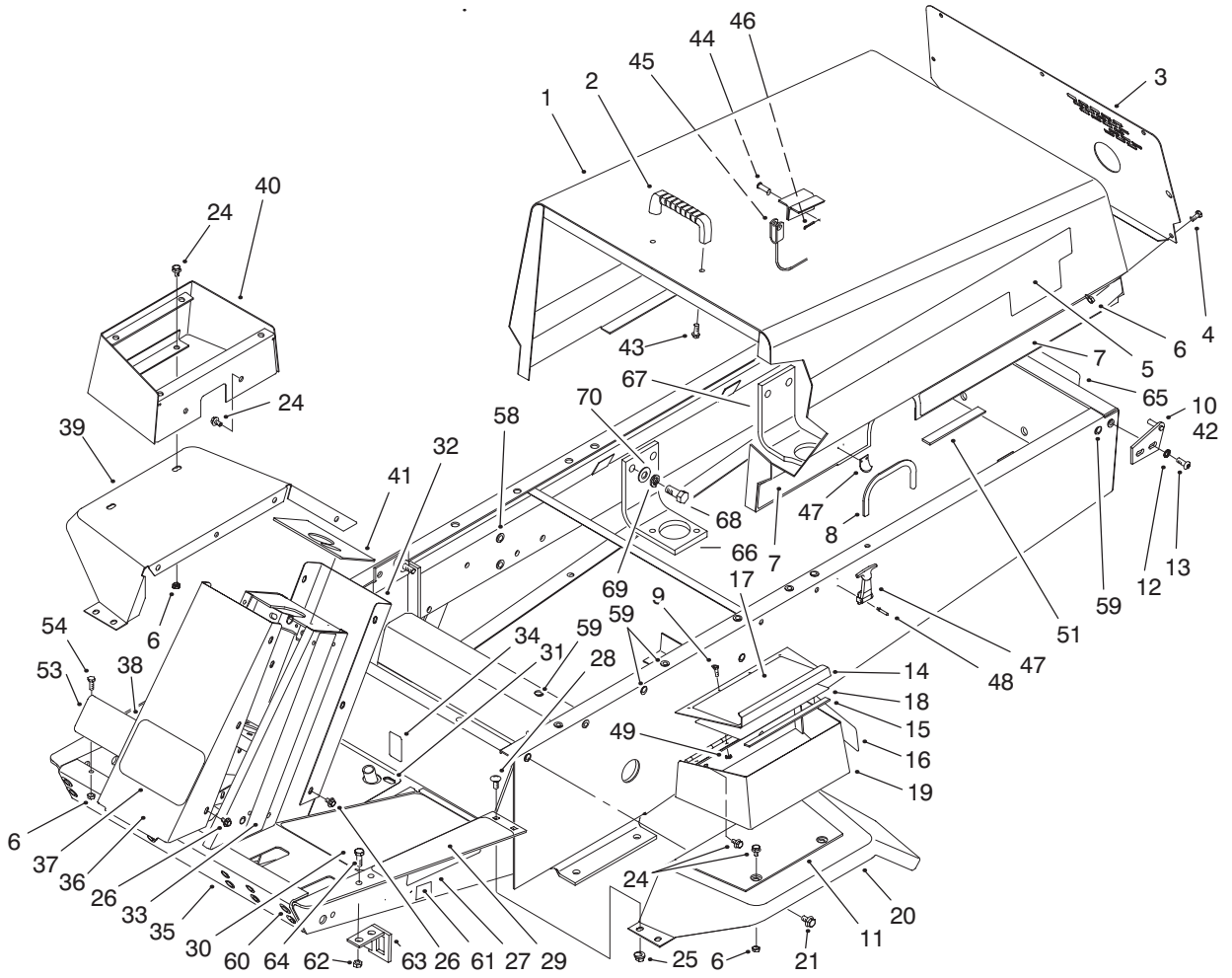
FORM NO. 3319–393

TORO®

MODEL NO. 30223–70161 & UP
MODEL NO. 30223TE–70221 & UP

PARTS CATALOG

GROUNDSMASTER 223–D
TRACTION UNIT



BODY ASSEMBLY

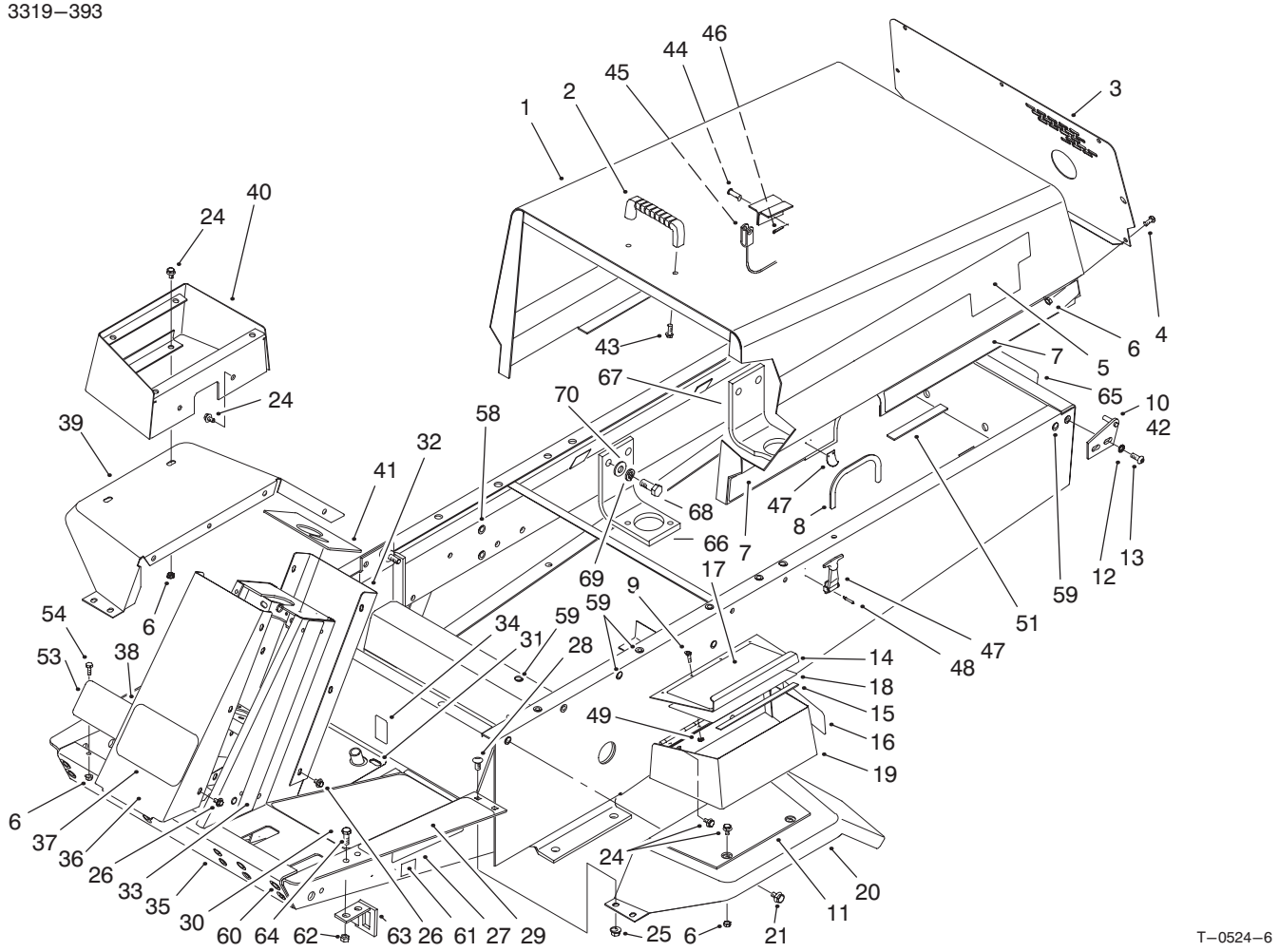
Ref. No.	Part No.	Description	No. Used
1	14–7149	Asm – Hood	1
2	65–5100	Handle – Hood	1
3	63–7030	Screen – Hood	1
4	321–3	Screw – HH	7
5	93–3186	Decal – GM 223–D	2
6	32128–33	Nut – Flange	13
7	93–3193	Decal – Hood L.H.	1
*	93–3192	Decal – Hood R.H.	1
8	66–8110	Trim – Hood	1
9	3290–359	Screw – Machine	4
10	63–6900	Plate Hinge L.H.	1
11	76–4790	Pad – Rubber	1
12	3255–8	Washer – Lock	4
13	3274–32	Screw – HSBH	4
14	66–3040	Cover – Tool Box	1
15	66–3050	Strip – Magnetic	1
16	27–7310	Decal – Refueling	1

Ref. No.	Part No.	Description	No. Used
16	93–7822	Decal – Refueling (Europe)	1
17	92–8797	Decal – Caution	1
17	93–7805	Decal – Warning (Europe)	1
18	84–1960	Decal – Service	1
19	92–6501	Asm – Tool Box (Incl. Ref. #16)	1
20	63–7310	Fender L.H.	1
21	3234–14	Screw – HF	8
24	3234–13	Screw – HF	8
25	32128–20	Nut – Flange	4
26	46–6810	Screw – HH	13
27	67–1720	Decal – Caution	2
27	93–7830	Decal – Torque (Europe)	2
28	3230–23	Bolt – Carriage	4
29	66–3200	Tread – Foot Rest L.H.	1
30	66–3210	Tread – Foot L.H.	1
31	92–5540	Tread – Foot R.H.	1

*Not Illustrated

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TPS

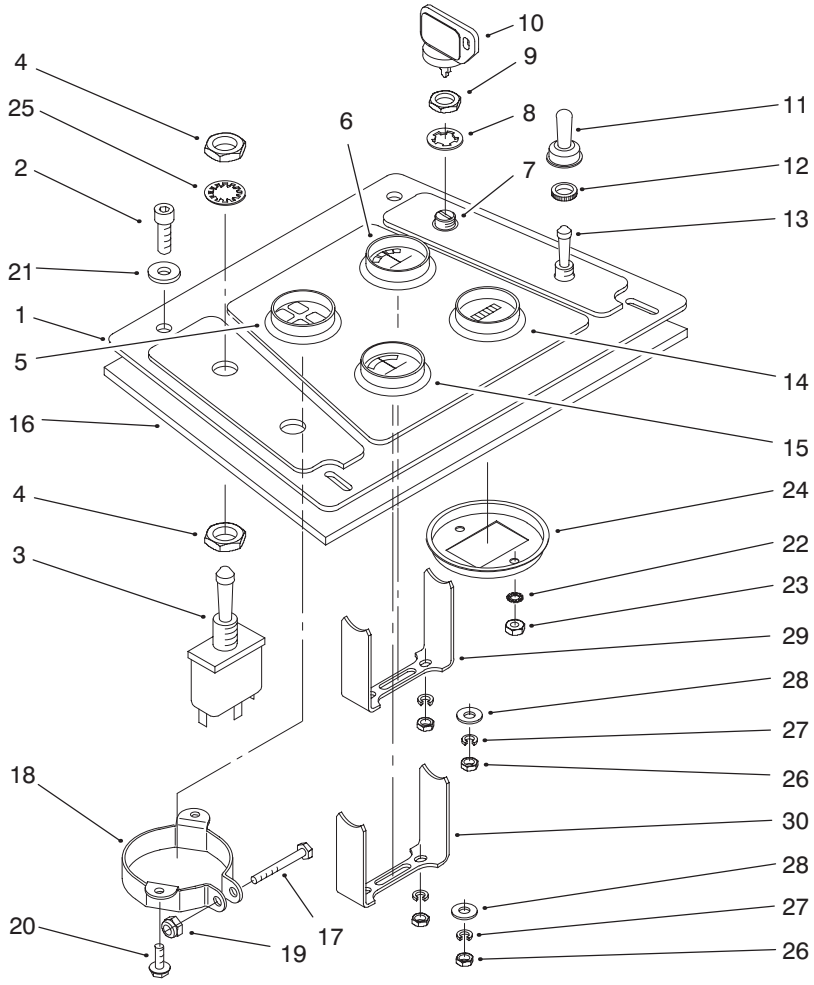


BODY ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
32	63−7320	Cover − Tower Rear	1
33	66−8760	Decal − Tower L.H.	1
*	66−8770	Decal − Tower R.H.	1
34	53−4430	Decal − Oil	1
34	93−7823	Decal − Oil (Europe)	1
35	95−6280	Asm − Frame (Incl. Ref. #27, 29−31, 34, 38, 58−60, 65 & #80 page 8)	1
36	92−5545	Cover − Tower Front	1
37	62−5550	Decal − TORO	1
38	92−5772	Decal Traction Pedal	1
38	93−7834	Decal − Traction Pedal (Europe)	1
39	63−7300	Fender − R.H.	1
40	63−8050	Box − Control	1
41	66−2470	Plate − Tower	1
42	63−6890	Plate − Hinge R.H.	1
43	46−8091	Screw − HH	2
44	283−58	Pin − Clevis	1
45	66−2870	Cable − Hood Stop	1
46	3272−10	Pin − Cotter	1
47	59−9740	Asm − Latch, Flex. Draw	1

Ref. No.	Part No.	Description	No. Used
48	3290−271	Rivet	4
49	3296−12	Nut − Hex.	4
51	82−8950	Foam	2
53	92−5548	Shield − Pedal Stop	1
54	321−4	Screw − HH	2
58	32148−9	Nut − Clinch	3
59	32148−7	Nut − Clinch	22
60	32148−10	Nut − Clinch	10
61	93−7252	Decal − CE (Europe)	1
62	32153−2	Nut − Lock (Europe)	4
63	93−8474	Bracket − Latch, LH (Europe)	1
*	93−8473	Bracket − Latch, RH (Europe)	1
64	323−6	Screw − HH (Europe)	4
65	62−7400	Decal − Toro	1
66	95−6270	Bracket − Mount, Engine	3
67	95−6271	Bracket − Mount, Engine	1
68	3213−3	Screw − HH	8
69	3253−7	Washer − Lock	8
70	3256−40	Washer − Flat	8

*Not Illustrated

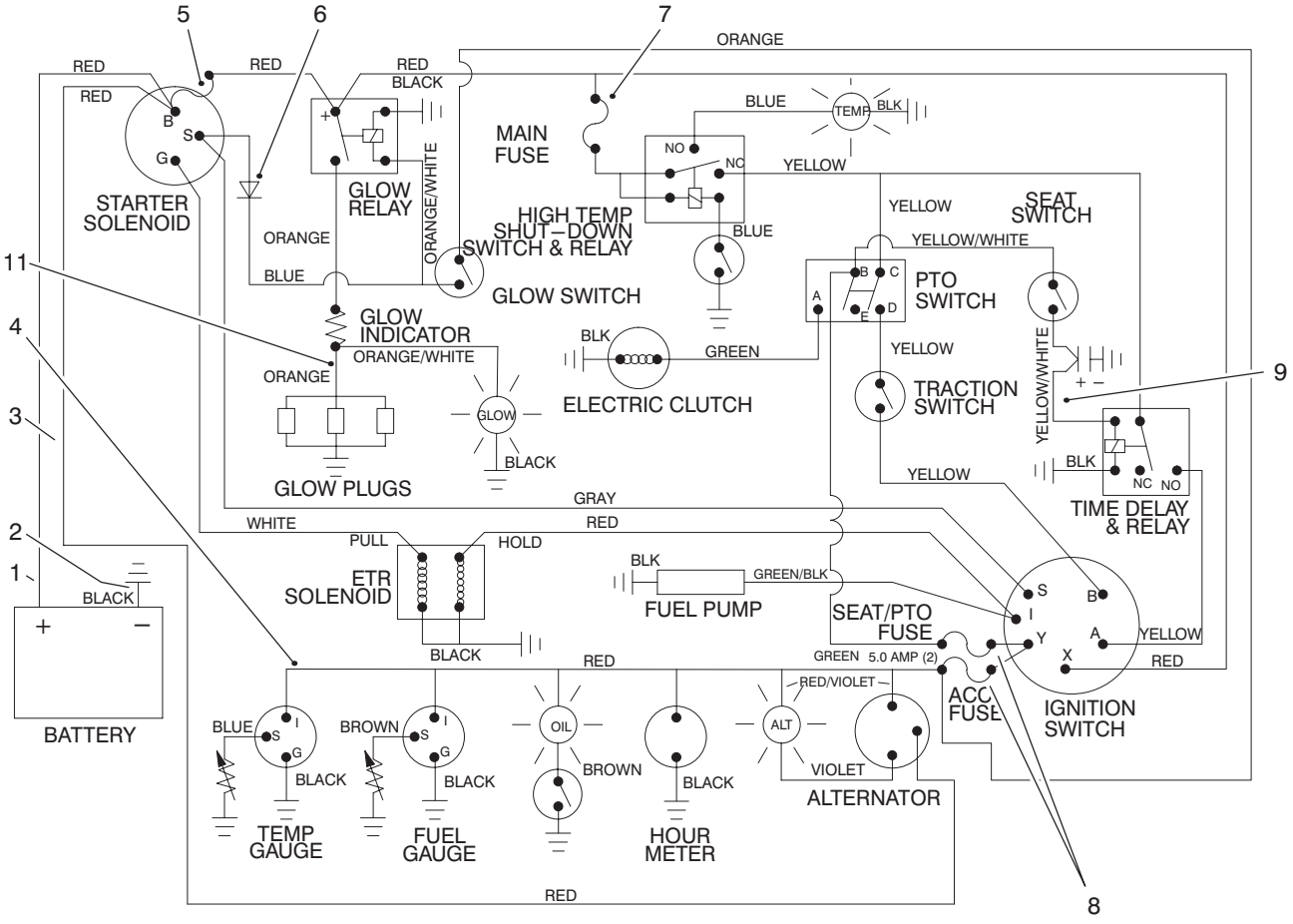


T−0525−2

CONTROL PANEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	66−2460	Panel − Control	1
1	93−7835	Panel − Control (Europe)	1
2	3274−65	Screw − HSBH	4
3	85−4980	Switch − PTO (Incl. Ref. #4 & 25)	1
4	3218−19	Nut − Jam	2
5	66−2960	Cluster − Warning Light	1
6	66−2940	Gage − Fuel (Incl. Ref. #26−29)	1
7	27−2360	Switch − Ignition (Incl. Ref. #8−10)	1
8	218−447	Washer − Lock	1
9	218−446	Nut − Hex.	1
10	63−8360	Key − Ignition	1
11	218−473	Boot − Switch	1
12	218−497	Nut − Face	1
13	6−1659	Switch − Glow Plugs (Incl. Ref. #11 & 12)	1
14	66−2950	Meter − Hour (Incl. Ref. #22−24)	1

Ref. No.	Part No.	Description	No. Used
15	63−7430	Gage − Temperature (Incl. Ref. #26−28 & 30)	1
16	85−7560	Plate − Control Panel	1
17	32105−1	Screw	1
18	69−4780	Clamp − Gauge	1
19	3296−2	Nut − Lock	1
20	32144−1	Screw − HH	2
21	3256−1	Washer − Flat	4
22	3255−20	Washer − Lock, Ext. Tooth	2
23	3217−25	Nut − Hex.	2
24		Clamp	1
25	3254−20	Washer − Lock, Int. Tooth	1
26	3219−14	Nut − Hex.	9
27	3253−2	Washer − Lock	10
28	3256−14	Washer − Flat	4
29		Clamp	1
30		Clamp	1



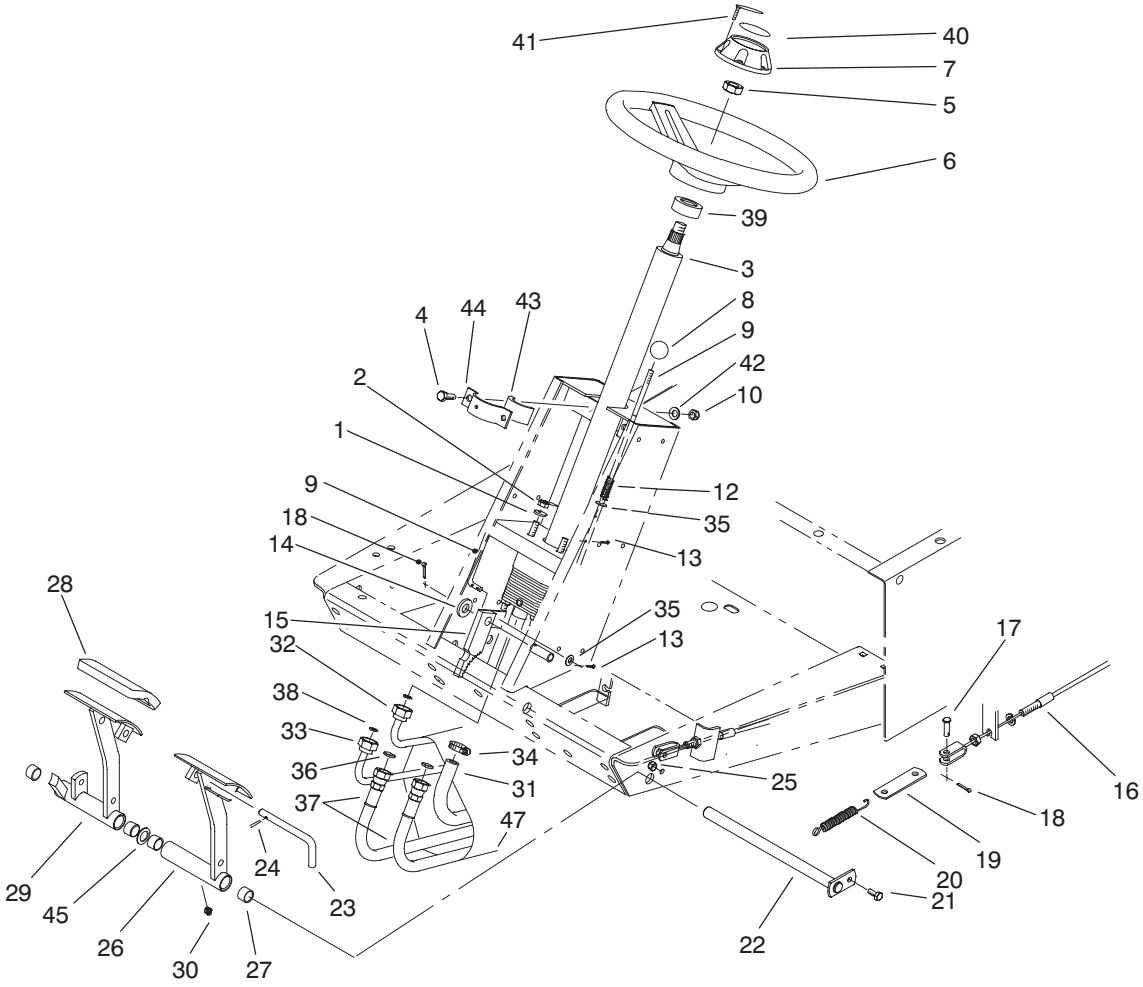
T–2662

ELECTRICAL SCHEMATIC

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

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

*Not Illustrated



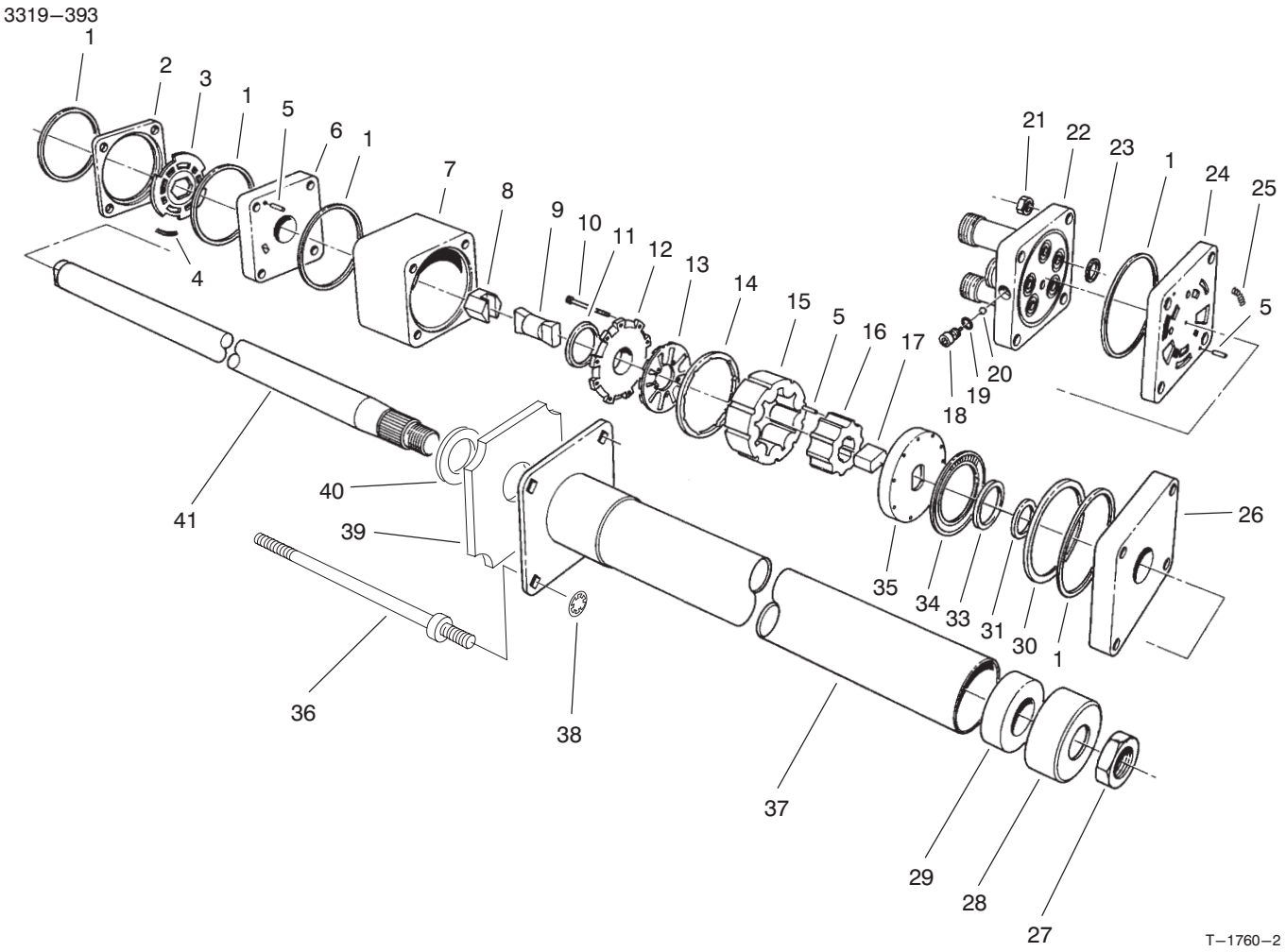
T−1247−3

POWER STEERING & BRAKE PEDAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3256−23	Washer − Flat	4
2	3296−20	Nut − Lock	4
3	92−7308	Valve − Power Steering (Incl. Ref. #7)	1
4	322−5	Screw − HH	2
5	3220−6	Nut −Hex.	1
6	75−0560	Wheel − Steering (Incl. Ref. #7 & 41)	1
7	68−5140	Cap − Steering Wheel (Incl. Ref. #41)	1
8	233−17	Knob	1
9	63−7910	Rod − Brake Latch	1
10	3296−29	Nut − Lock	2
12	95−1821	Spring	1
13	3272−5	Pin − Cotter	3
14	3256−26	Washer − Flat	1
15	63−7900	Rack − Brake	1
16	63−7730	Asm − Cable, Brake R.H.	1
*	63−7731	Asm − Cable, Brake L.H.	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 − HH	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	Pedal − L.H. Brake (Incl. Ref. #27 & 30)	1
27	256−42	Bushing	4
28	7−3900	Foot Pad − Brake	2
28	93−8742	Foot Pad − Brake (Europe)	2
29	63−6190	Pedal − R.H.Brake (Incl. Ref. #27 & 30)	1
30	302−5	Fitting − Grease	2
31	66−8140	Hose	1
32	66−8630	Tube − Hydraulic (Str.−Lift)	1
33	66−8620	Tube Hydraulic (Pump−Str.)	1
34	2412−36	Clamp	2
35	3256−22	Washer − Flat	3
36	237−30	O−Ring	2
37	66−8170	Hose − Hydraulic	2
38	237−22	O−Ring	2
39	21−9260	Cover − Dust	1
40	68−5370	Decal − Toro	1
41	32144−21	Screw − PPH	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
47	44−8530	Sock − Hose	1

*Not Illustrated

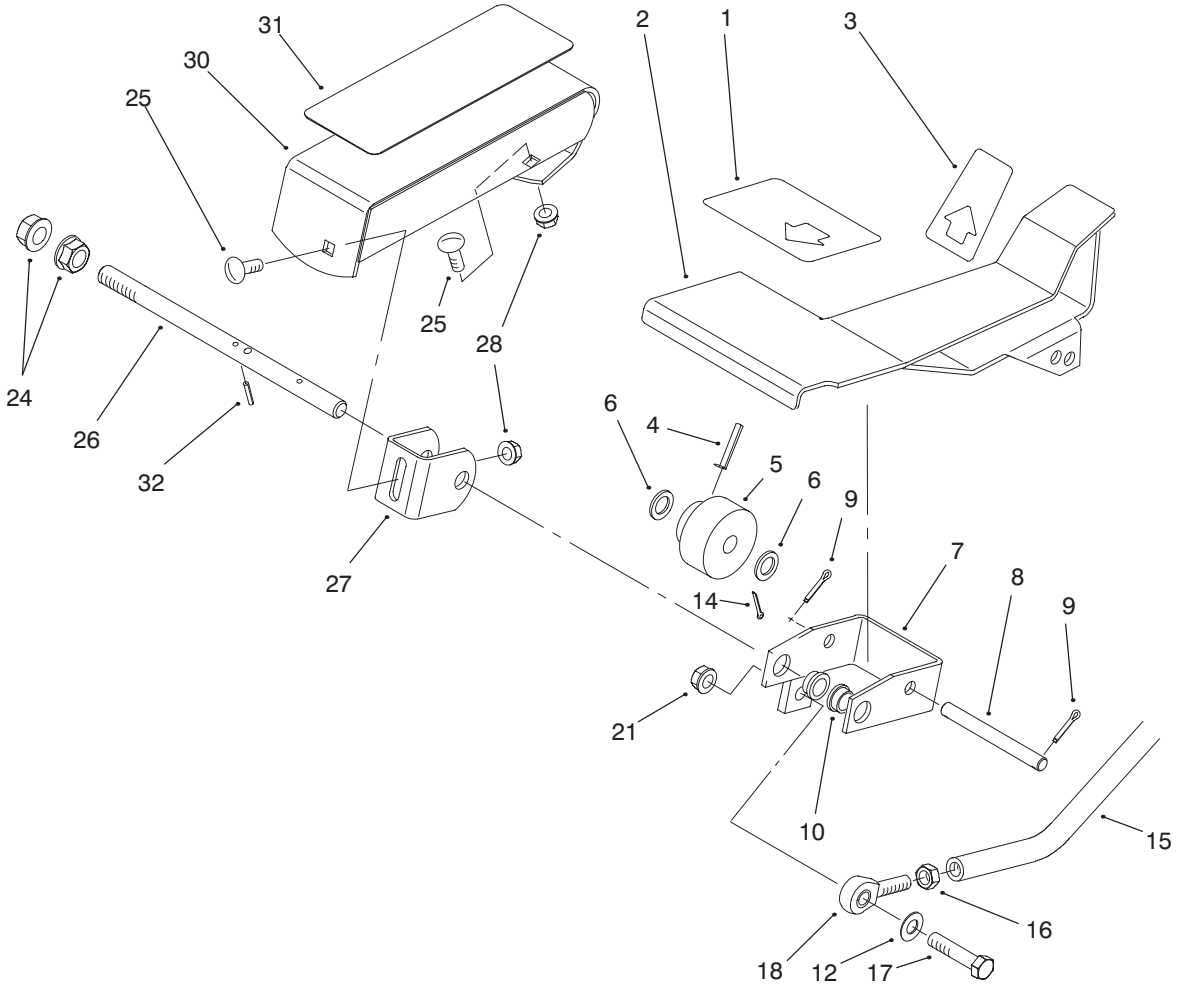


STEERING VALVE ASSEMBLY NO. 92–7308

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

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

*Not Illustrated

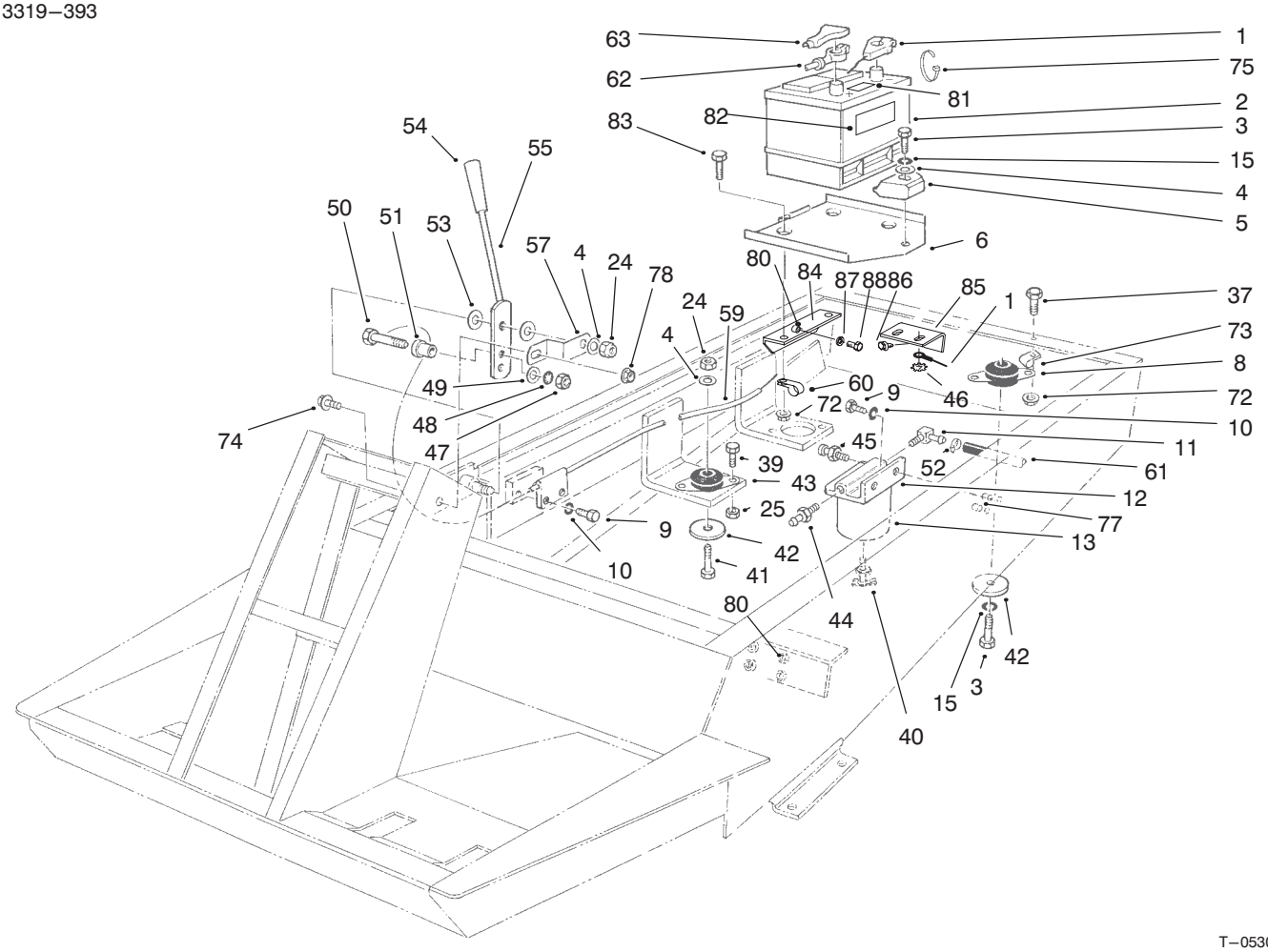


T–1806–2

TRACTION PEDAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	94–3307	Pad – Traction Pedal Front	1
2	94–3591	Pedal – Traction	1
3	94–3308	Pad – Traction Pedal Rear	1
4	32121–6	Pin – Roll	1
5	28–5220	Wheel – Friction	1
6	5–7570	Washer	2
7	92–8854	Bracket – Pivot	1
8	92–5537	Pin – Pedal Pivot	1
9	3272–10	Pin – Cotter	2
10	256–156	Bushing – Flange	2
12	3256–24	Washer – Flat	1
14	3272–6	Pin – Cotter	1
15	63–6410	Rod – Pump Control	1

Ref. No.	Part No.	Description	No. Used
16	3220–3	Nut – Jam	1
17	323–29	Screw – HH	1
18	2411–36	End – Rod	1
21	3296–39	Nut – Lock	1
24	32128–56	Nut – Flange	2
25	3230–2	Bolt – Carriage	2
26	92–5534	Shaft – Traction Pedal	1
27	92–5077	Bracket – Footrest	1
28	32128–44	Nut – Flange, Lock	2
30	92–5514	Footrest	1
31	92–5750	Pad – Footrest	1
32	32121–50	Pin – Roll	1



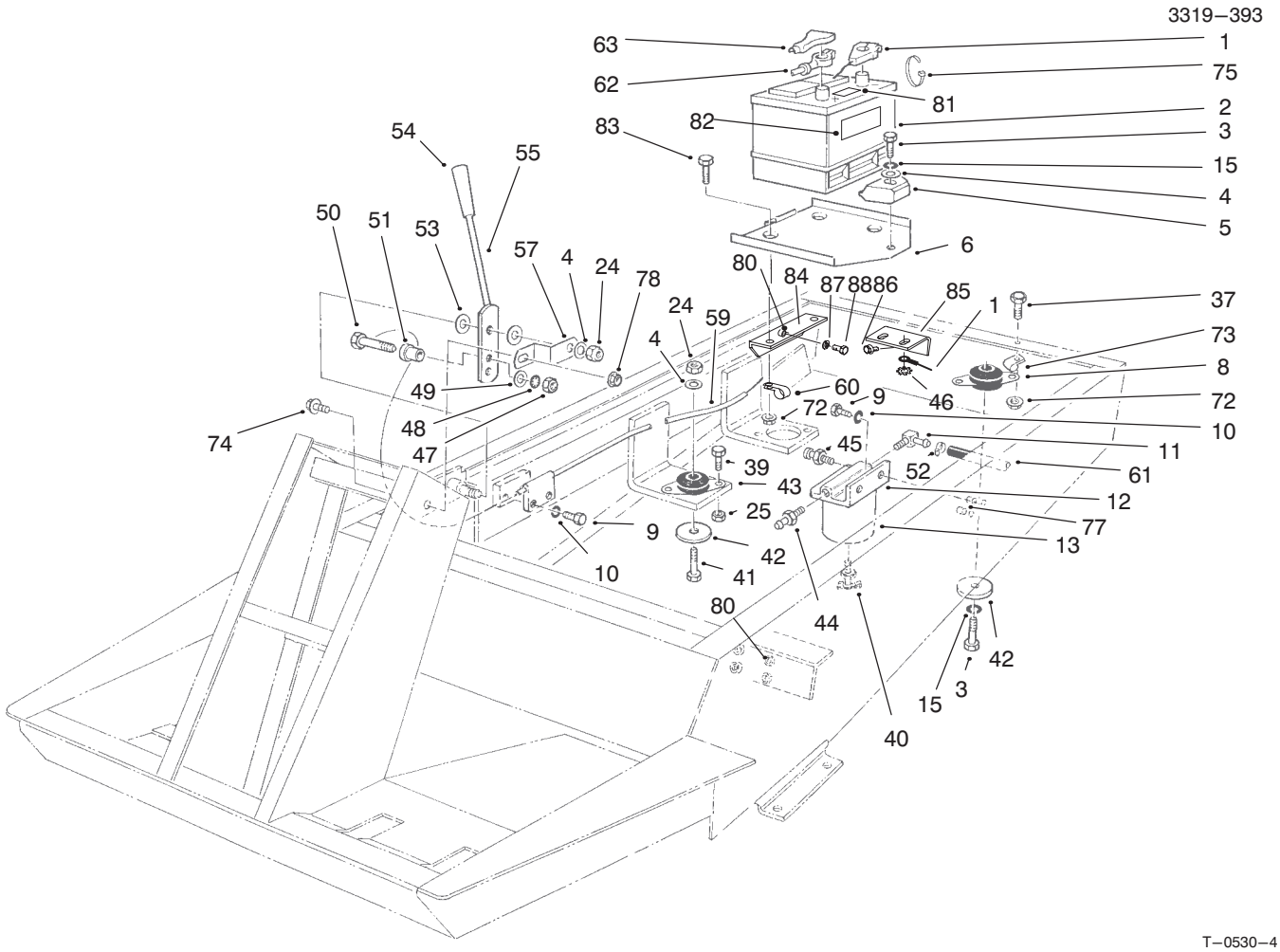
T–0530–4

BATTERY & ENGINE MOUNT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	63–7340	Wire – Ground	1
†2		Battery	
		Type 26 SMF–5	1
3	323–8	Screw – HH	2
4	3256–24	Washer – Flat	4
5	66–2490	Clamp – Battery Retainer	1
6	94–7343	Base – Battery	1
8	63–7141	Mount – Shock (Red)	1
9	321–4	Screw – HH	4
10	3253–3	Washer – Lock	4
11	353–781	Fitting 90°	1
12	63–8280	Asm – Head	1
13	63–8300	Element – Spin On	1
15	3253–21	Washer – Lock	2
24	3296–39	Nut – Lock	3
25	3296–29	Nut – Lock	8
37	322–3	Screw – HH	1
39	322–5	Screw – HH	8
40	63–8310	Valve – Drain	1
41	323–11	Screw – HH	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	1
47		Nut – Hex.	1

Ref. No.	Part No.	Description	No. Used
48		Washer – Lock, Int. Tooth	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	92–5753	R–Clamp	1
61	63–7610	Hose	1
62	43–4031	Cable – Battery, Positive	1
63	28–1280	Boot – Cable, Positive	1
72	32128–20	Nut – Flange	5
73	2412–104	R–Clamp	1
74	3234–13	Screw – HFH	1
75	3290–378	Tie – Cable	1
77	32148–11	Nut – Clinch	2
78	32148–33	Nut – Flange Head	1
80	32148–8	Nut – Clinch	6
81	93–7276	Decal – Danger (Europe)	1
82	93–6668	Decal – Battery Charging (Europe)	1
83	322–6	Screw – HH	3
84	95–1592	Angle – Base, Battery	1

†Obtain Locally



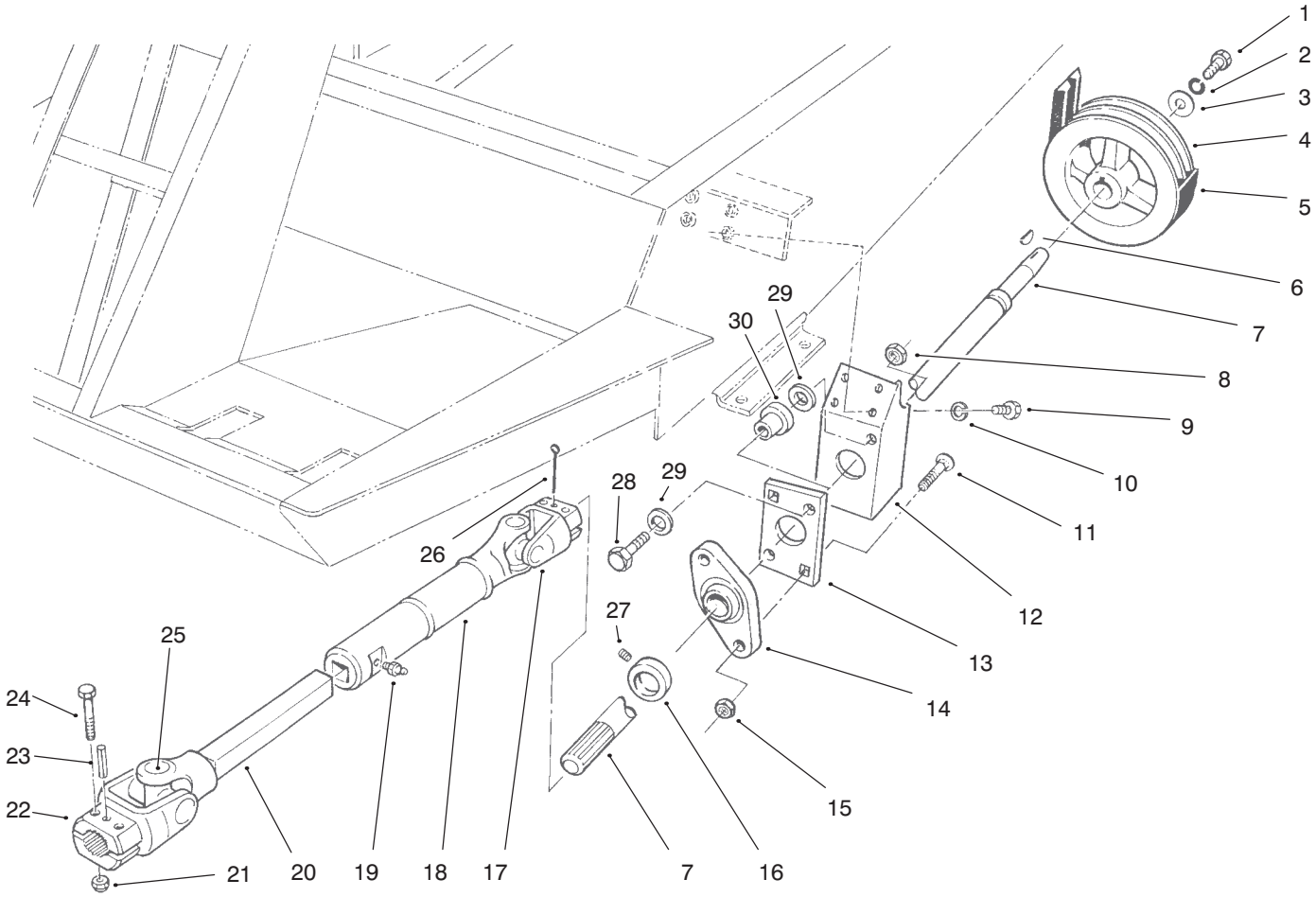
T–0530–4

BATTERY & ENGINE MOUNT ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
85	95–1599	Bracket – Base, Battery	1
86	3234–30	Screw – HH	2
87	3253–4	Washer – Lock	2
88	322–3	Screw – HH	2

Ref. No.	Part No.	Description	No. Used
*	63–6760	Swivel – Throttle Cable (Incl. Ref. 47–51)	1
*	95–3074	Kit – 400 Hour Filter (Incl. Ref. #13)	1

*Not Illustrated



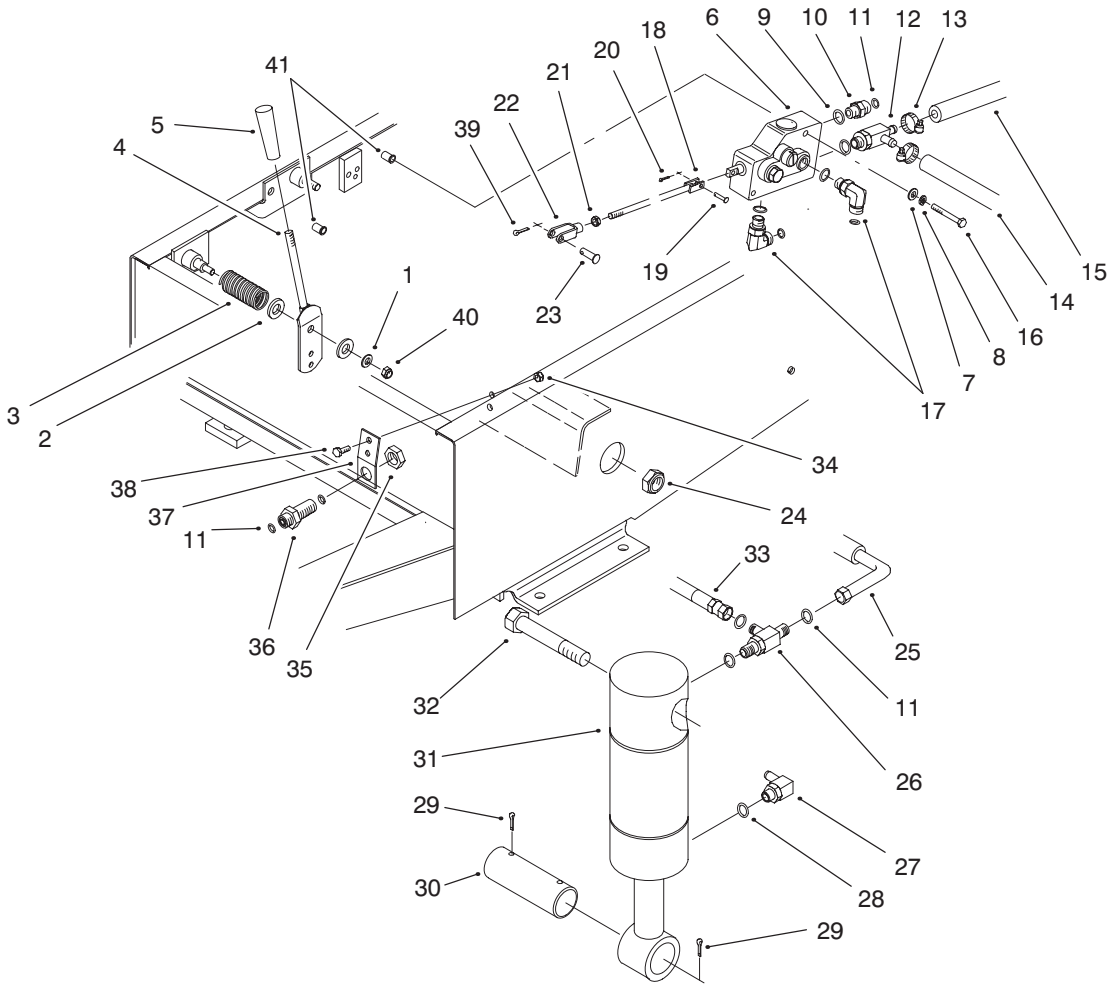
T–2745

DRIVE SHAFT & POWER–TAKE–OFF ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	323–18	Screw – HH	1
2	3253–21	Washer – Lock	1
3	29–4730	Washer – Power Take Off	1
4	43–5320	Pulley – Power Take Off	1
5	63–6240	Belt – Power Take Off	1
6	3257–5	Key – Woodruff	1
7	92–8855	Shaft – Power Take Off	1
8	3296–39	Nut – Lock	2
9	322–5	Screw – HH	4
10	3253–4	Washer – Lock	4
11	3230–4	Bolt – Carriage	2
12	92–8751	Bracket – Bearing Power Take Off	1
13	84–7580	Plate – Support, Bushing	1
14	92–8799	Bearing – Shaft (Incl. Ref. #16 & 28)	1
15	32149–1	Nut – Lock	2

Ref. No.	Part No.	Description	No. Used
16	251–77	Collar – Locking	1
17	54–9090	Yoke – End	1
18	54–9170	Tube – Slip Yoke	1
19	302–58	Fitting – Grease	1
20	54–9050	Shaft – Slip Yoke	1
21	3296–29	Nut – Lock	4
22	54–9040	Yoke – End	1
23	32121–34	Pin – Roll	1
24	322–9	Screw – HH	4
25	54–9180	Kit – Universal Joint	2
26	3272–15	Pin – Cotter	1
27	3245–35	Screw – Set	1
28	323–10	Screw – HH	2
29	63–8410	Washer – Flat	4
30	63–9750	Mount	2
*	54–7950	Asm – Drive Shaft (Incl. Ref. #17–22 & 25)	1

*Not Illustrated



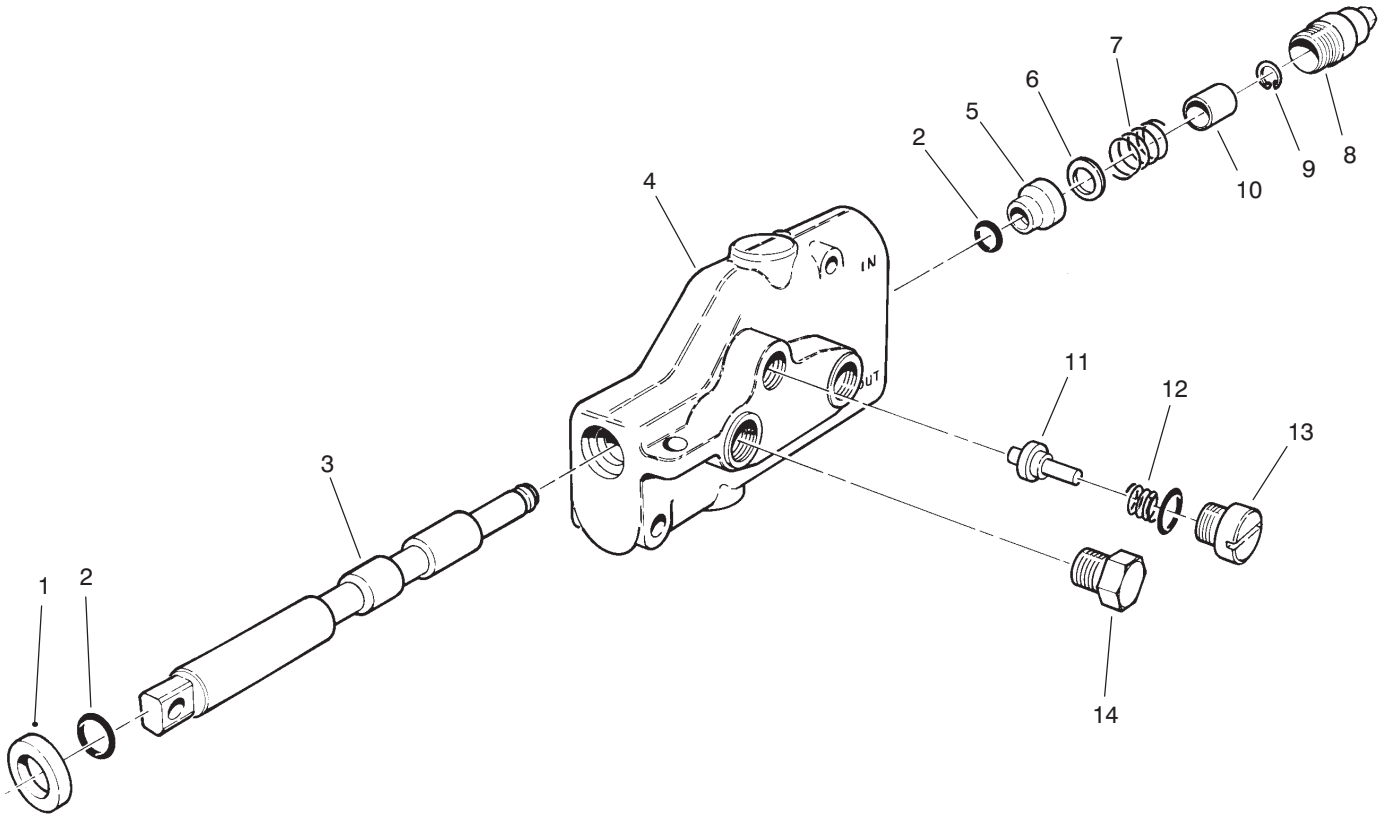
T–0531–5

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	237–42	O–Ring	6
10	340–2	Fitting – Straight (Incl. Ref. #9 & 11)	1
11	237–22	O–Ring	9
12	66–3130	Fitting – 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 – HH	2
17	340–77	Fitting – 90˚ Elbow (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 Thread	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	Asm – Hose, Hydraulic	1
26	340–86	Fitting – Tee (Incl. Ref. #9 & 11)(Used On Cap End of Left Cyl.)	1
*	340–77	Fitting – 90˚ Elbow (Incl. Ref. #9 & 11)(Used On Cap End of Right Cyl.)	1
27	304–99	Fitting – 90˚ Elbow (Incl. Ref. #28)	2
28	237–78	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 – HH	2
33	66–8640	Asm – Hose, Hydraulic	1
34	3296–42	Nut – Lock	2
35	340–70	Nut – Fitting	1
36	340–71	Fitting – Bulkhead (Incl. Ref. #11 & 35)	1
37	63–7410	Bracket – Bulkhead	1
38	321–4	Screw – HH	2
39	3272–10	Pin – Cotter	1
40	3296–29	Nut – Lock	1
41	32148–11	Nut – Clinch	2

*Not Illustrated



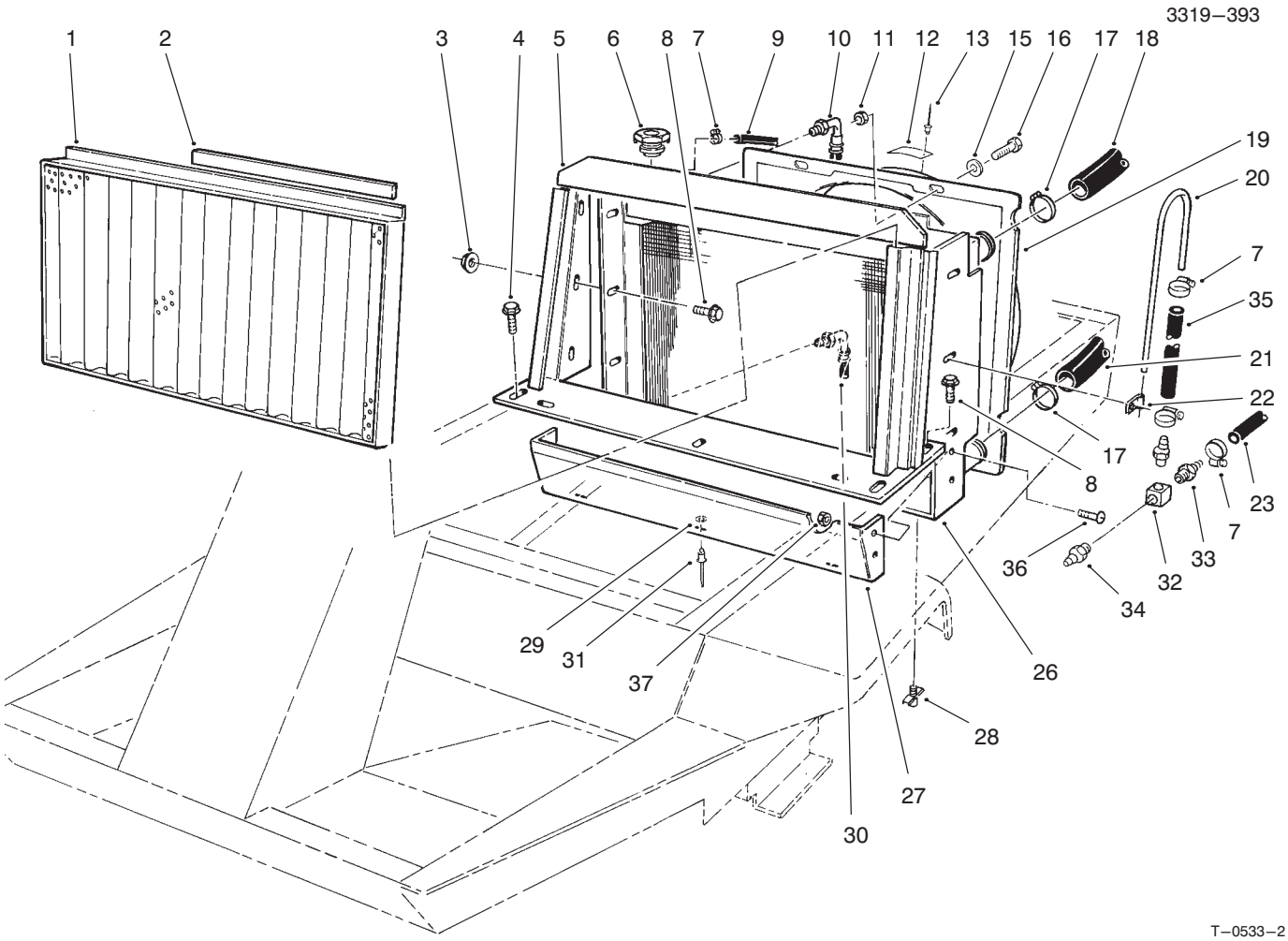
T–0532–1

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	Asm – Cap	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	Asm – Plug	1
14	353–508	Asm – Plug	1
*	63–7960	Asm – Lift Valve (Incl. Ref. #3 & 4)	1

*Not Illustrated

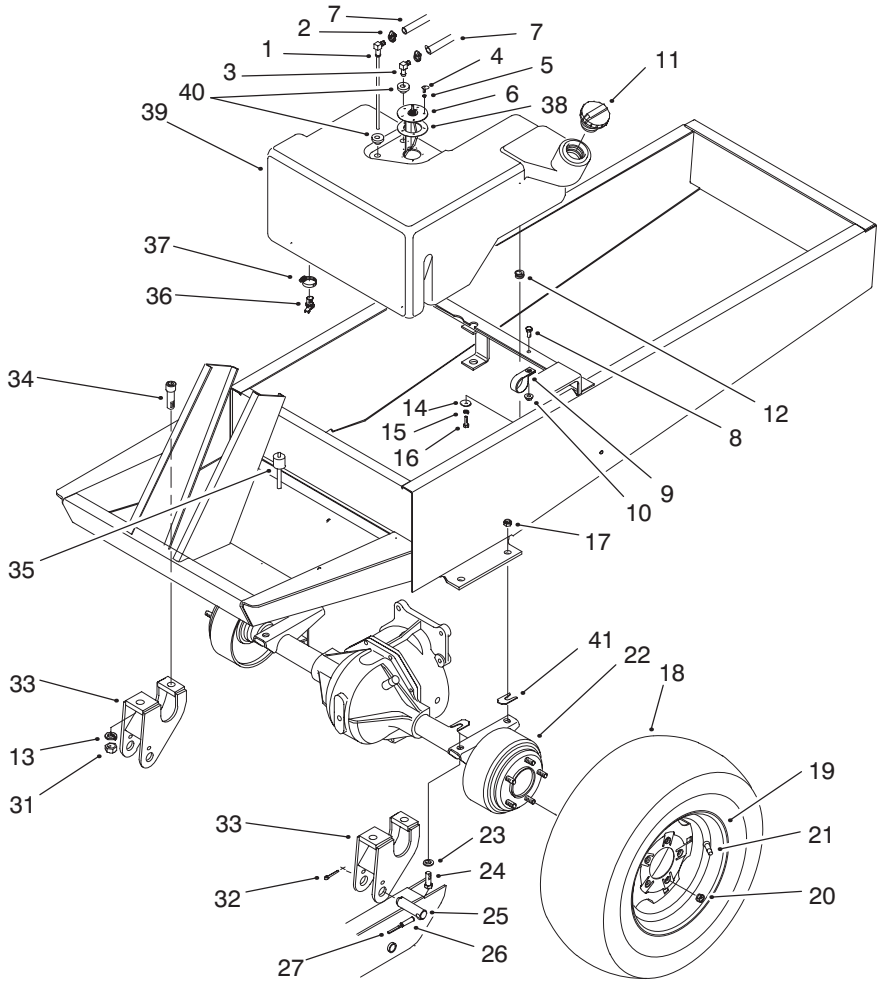


RADIATOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	63–7700	Asm – Frame, Screen	1
2	63–7710	Magnetic Strip	1
3	32128–20	Nut – Lock	6
4	3234–17	Screw – HFH	2
5	92–5757	Asm – Radiator Support	1
6	66–3240	Cap – Radiator	1
7	2412–108	Clamp – Hose	8
8	3234–5	Screw – HFH	8
9	71–3384	Hose	1
10	66–8180	Asm – Hose	1
11	3296–42	Nut – Lock	4
12	76–8750	Plate – Warning	1
12	93–6681	Decal – Warning (Europe)	1
13	3290–271	Rivet	2
15	3256–22	Washer – Flat	4
16	321–4	Screw – HH	4
17	2412–34	Clamp – Hose	4
18	93–9940	Hose – Upper	1
19	92–6503	Asm – Shroud, Fan (Incl. Ref. #12 & 13)	1

Ref. No.	Part No.	Description	No. Used
20	66–3180	Tube – Vent	1
21	63–6020	Hose – Lower	1
22	2412–103	R–Clamp	2
23	63–7600	Hose – Fuel	1
26	82–2310	Asm – Radiator	1
27	63–6440	Shield – Radiator	1
28	304–46	Drain Cock	1
29	3269–10	Washer – Flat	3
30	66–8500	Asm – Hose	1
31	3269–13	Rivet	3
32	354–20	Block	1
33	354–22	Fitting	2
34	354–21	Fitting	1
35	66–3170	Hose	1
36	3249–3	Screw – Rd. Hd.	2
37	3217–29	Nut – Hex.	2
*	93–7840	Decal – Radiator Cap (Europe)	1

*Not Illustrated



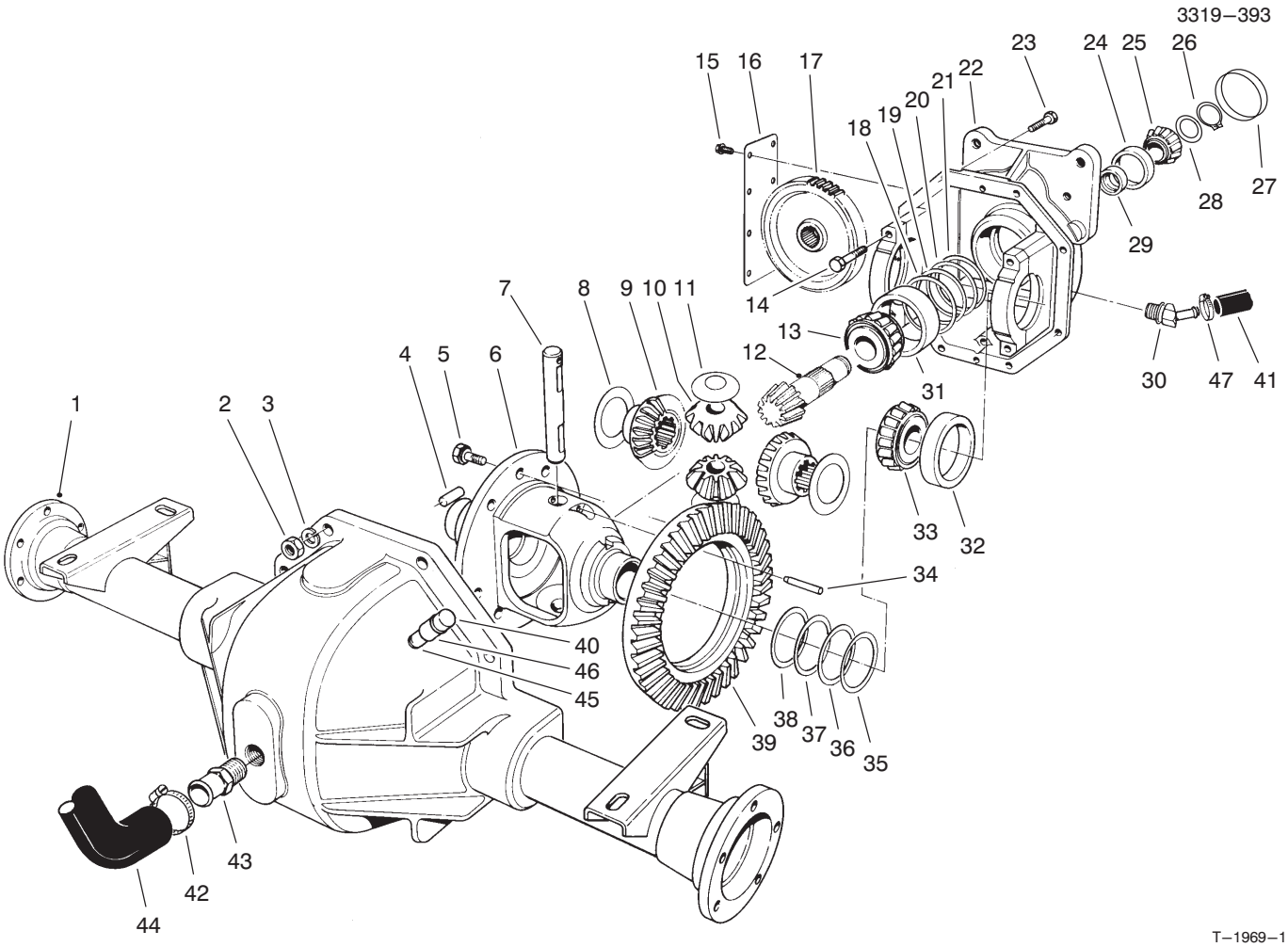
T–0534–3

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	Connector 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	322–3	Screw – HH	1
9	2412–147	R–Clamp	1
10	32128–20	Nut – Lock	1
11	93–3102	Cap – Fuel	1
12	237–136	Grommet	3
13	3253–8	Washer – Lock	4
14	3256–67	Washer – Flat	3
15	3253–3	Washer – Lock	3
16	321–5	Screw – HH	3
17	3296–48	Nut – Lock	4
18	231–101	Tire	2
*	231–95	Tire – 23” x 10.5” x 12” (Optional)	2
19	217–117	Rim	2
*	217–116	Rim – 23” x 10.5” x 12” (Optional)	2

Ref. No.	Part No.	Description	No. Used
20	23–7270	Nut – Lug	10
21	232–27	Valve Stem w/Cap	2
22	86–9640	Asm – Axle	1
23	3256–25	Washer – Flat	4
24	324–5	Screw – HH	4
25	92–9788	Asm – Pivot Pin (Incl. Ref. #26 & 27)	2
26	32121–49	Pin – Spring	2
27	32121–71	Pin – Spring	2
31	3219–6	Nut – Hex.	4
32	3272–17	Pin – Cotter	2
33	92–9786	Carrier Bracket	2
34	3273–38	Screw – HSH	4
35	66–3060	Dipstick – Differential	1
36	304–46	Fitting – Drain	1
37	2412–36	Clamp	1
38	62–7650	Gasket	1
39	92–8873	Tank – Fuel	1
40	46–6560	Bushing	2
41	42–6080	Shim – Axle	A/R
*	62–7020	Asm – Wheel & Tire (23” x 10.5” x 12”) (Optional)	2

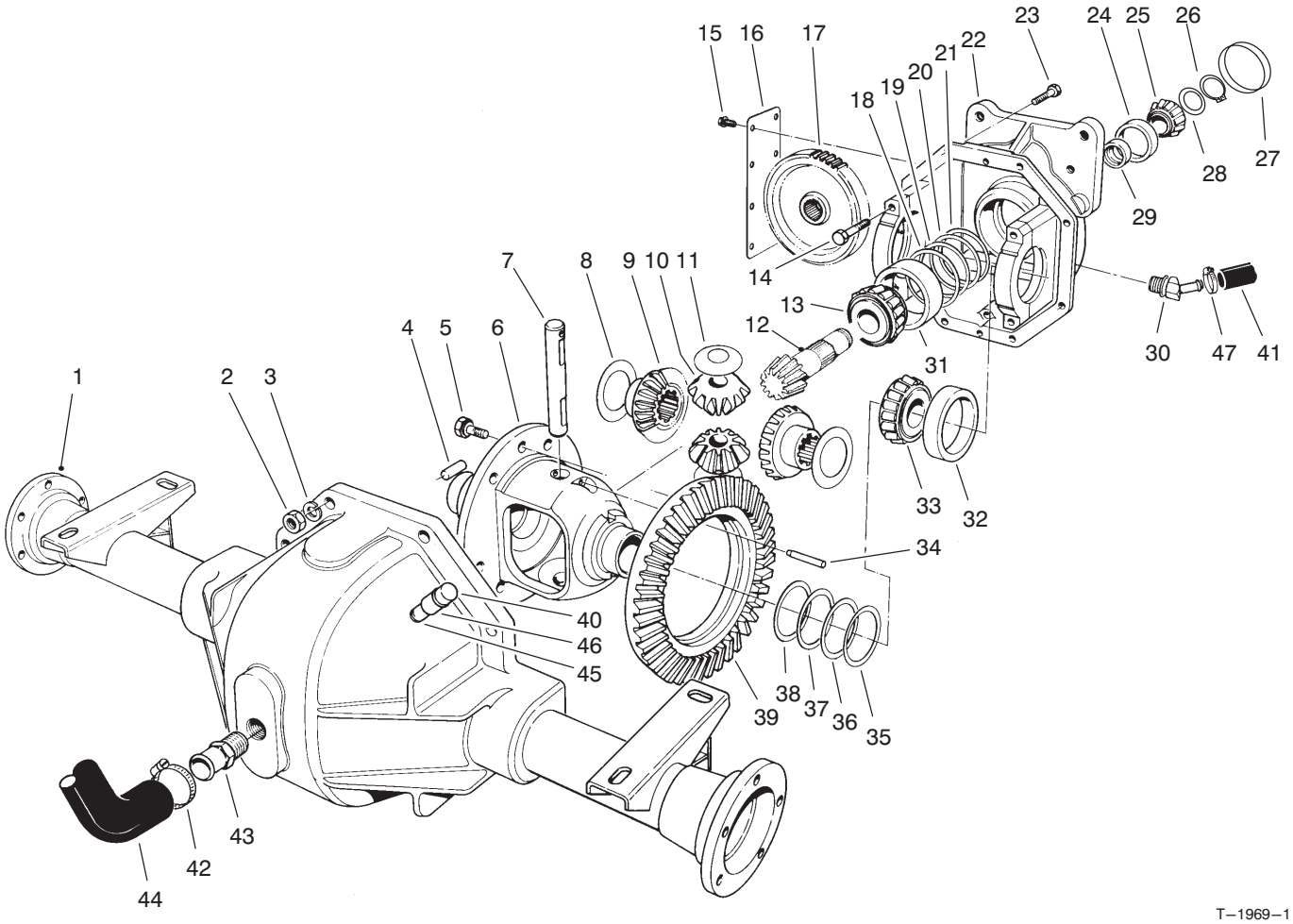
*Not Illustrated



DIFFERENTIAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	63–8090	Asm – Lower Housing	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 – HH	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
22	86–7930	Asm – Upper Housing (Incl. Ref. #14)	1
23	3210–7	Screw – HH	8
24	254–90	Cup – Bearing	1
25	254–91	Cone – Bearing	1
26	43–6550	Ring – Retaining	1
27	21–7850	Cap Plug	1
28	46–2210	Shim Front Pinion Bearing (.031)	A/R
*	46–2211	Shim Front Pinion Bearing (.033)	A/R
*	46–2212	Shim Front Pinion Bearing (.035)	A/R
*	46–2213	Shim Front Pinion Bearing (.037)	A/R
*	46–2214	Shim Front Pinion Bearing (.039)	A/R
*	46–2215	Shim Front Pinion Bearing (.041)	A/R
*	46–2216	Shim Front Pinion Bearing (.043)	A/R
*	46–2220	Shim Front Pinion Bearing (.045)	A/R
*	46–2221	Shim Front Pinion Bearing (.047)	A/R
*	46–2222	Shim Front Pinion Bearing (.049)	A/R
*	46–2223	Shim Front Pinion Bearing (.051)	A/R
*	46–2224	Shim Front Pinion Bearing (.053)	A/R

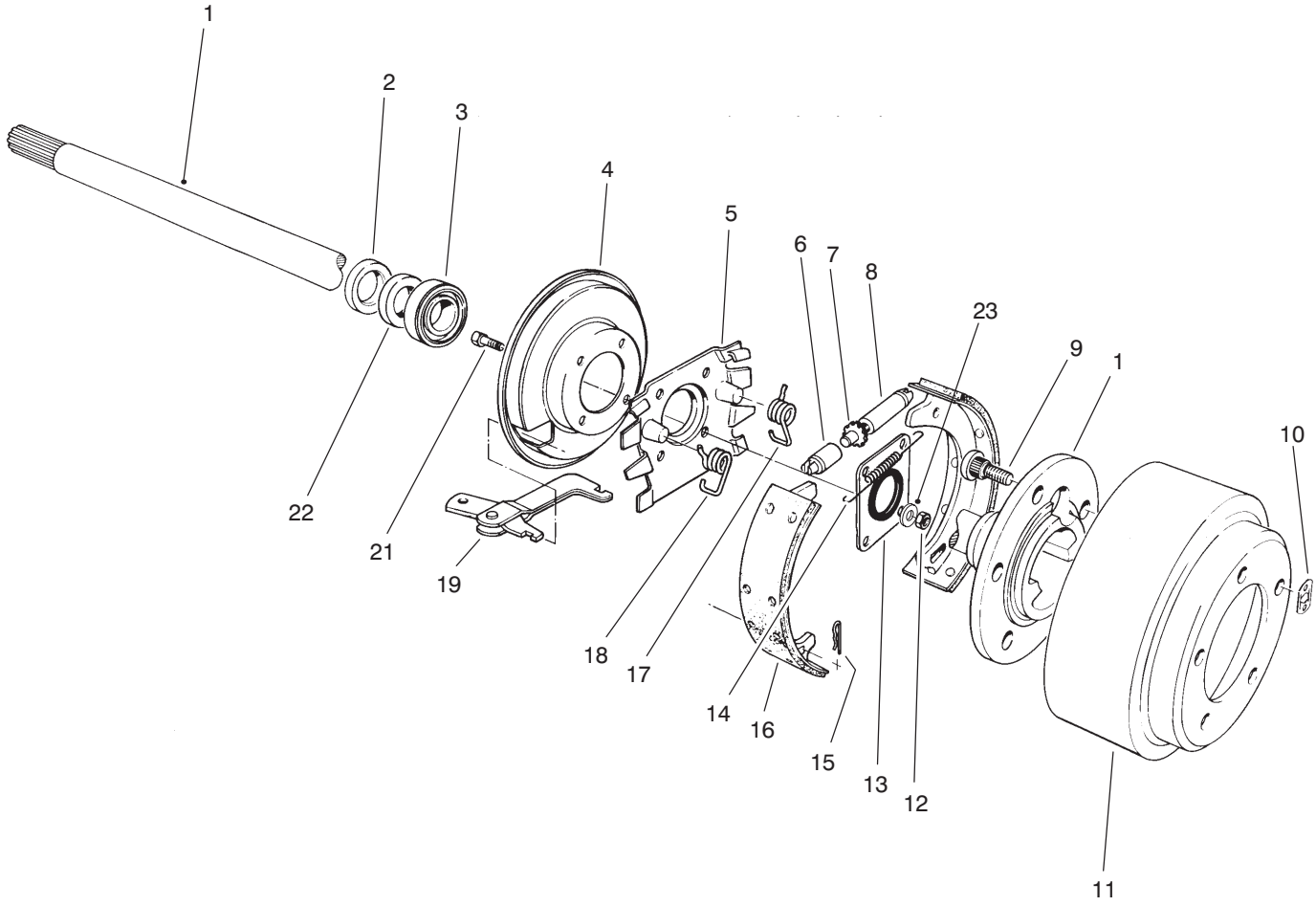
*Not Illustrated



T−1969−1

DIFFERENTIAL ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
*28	46−2225	Shim Front Pinion Bearing (.055)	A/R
*	46−2226	Shim Front Pinion Bearing (.057)	A/R
*	46−2410	Shim Front Pinion Bearing (.062)	A/R
	46−2411	Shim Front Pinion Bearing (.064)	A/R
*	46−2412	Shim Front Pinion Bearing (.066)	A/R
*	46−2413	Shim Front Pinion Bearing (.068)	A/R
*	46−2414	Shim Front Pinion Bearing (.070)	A/R
*	46−2415	Shim Front Pinion Bearing (.072)	A/R
*	46−2416	Shim Front Pinion Bearing (.074)	A/R
*	46−2420	Shim Front Pinion Bearing (.076)	A/R
	46−2421	Shim Front Pinion Bearing (.078)	A/R
*	46−2422	Shim Front Pinion Bearing (.080)	A/R
*	46−2423	Shim Front Pinion Bearing (.082)	A/R
*28	46−2424	Shim Front Pinion Bearing (.084)	A/R
*	46−2425	Shim Front Pinion Bearing (.086)	A/R
*	46−2426	Shim Front Pinion Bearing (.088)	A/R
29	21−8020	Spacer − Frt. Pinion Bearing	1
30	92−5088	Fitting − 45°	1
31	43−6750	Cup − Tapered, Bearing	1
32	254−66	Cup − Tapered, Bearing	2
33	254−65	Cone − Tapered, Bearing	2
34	32121−15	Pin − Roll	1
35	21−8090	Diff. Adjust. Shim. .003	A/R
36	21−8100	Diff. Adjust. Shim. .005	A/R
37	21−8110	Diff. Adjust. Shim. .010	A/R
38	21−8120	Diff. Adjust. Shim. .030	A/R
39		Gear − Ring	1
40	72−9420	Asm − Vent	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
*	92−4848	Asm − Gear & Pinion (Incl. Ref. #12 & 39)	1
47	2412−119	Clamp − Hose	1
*	92−4909	Asm − Differential Carrier (Incl. Ref. #5−22, 24−29 & 31−39)	1



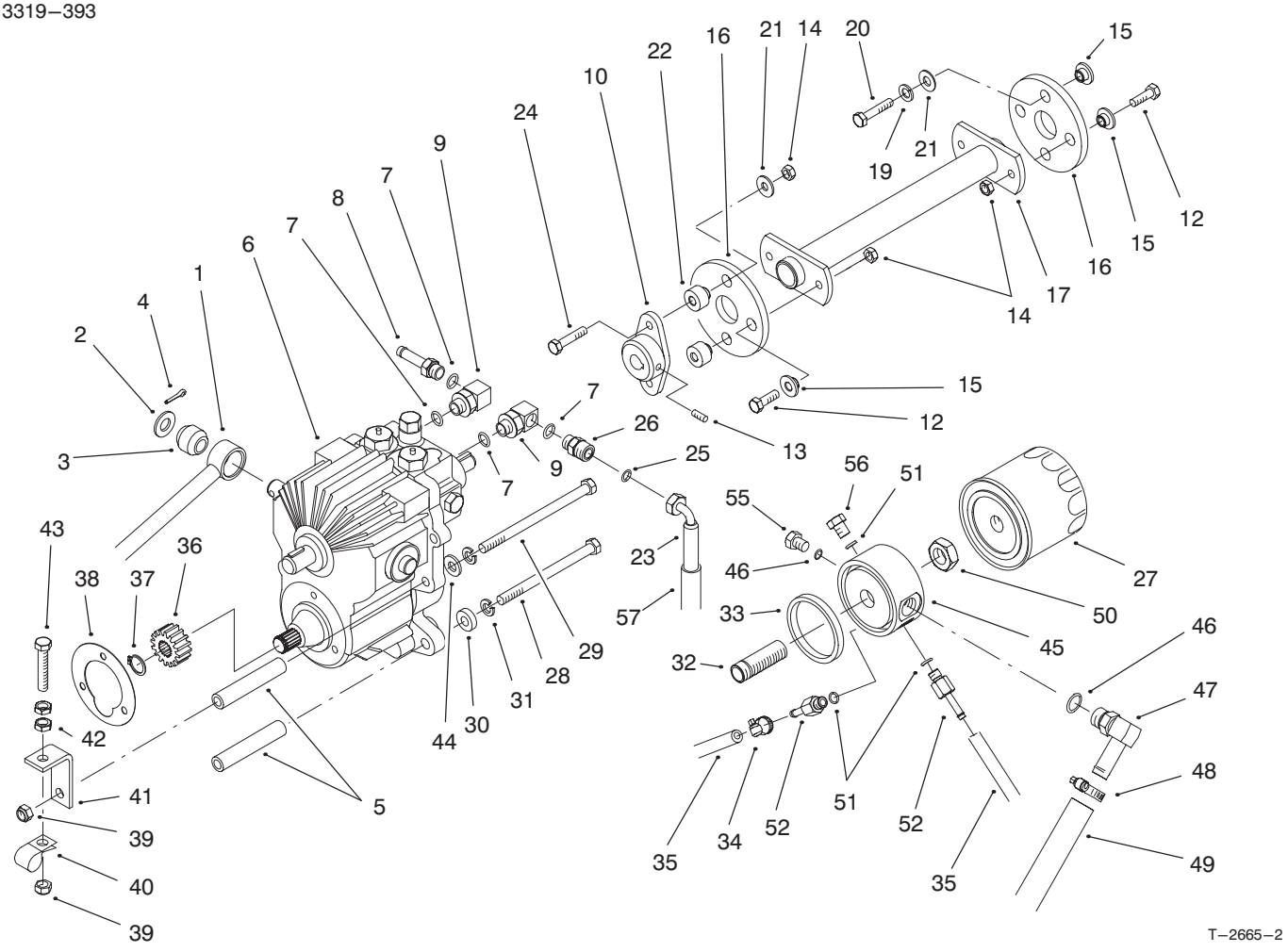
T–2664–1

BRAKE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	27–6861	Shaft – Axle, Flanged L.H.	1
*	27–6851	Shaft – Axle, Flanged R.H.	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
12	94–6935	Nut – Lock, Flange Hd.	8

Ref. No.	Part No.	Description	No. Used
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	21–9430	Spring – Shoe Return R.H.	2
18	21–9420	Spring – Shoe Return L.H.	2
19	24–9180	Strut/Lever – Parking Brake	2
21	94–6934	Screw – HH	8
22	24–8840	Ring – Wheel Bearing	2
*	92–8775	Kit – Gasket, Liquid	1
23	94–6936	Washer – Flat	8

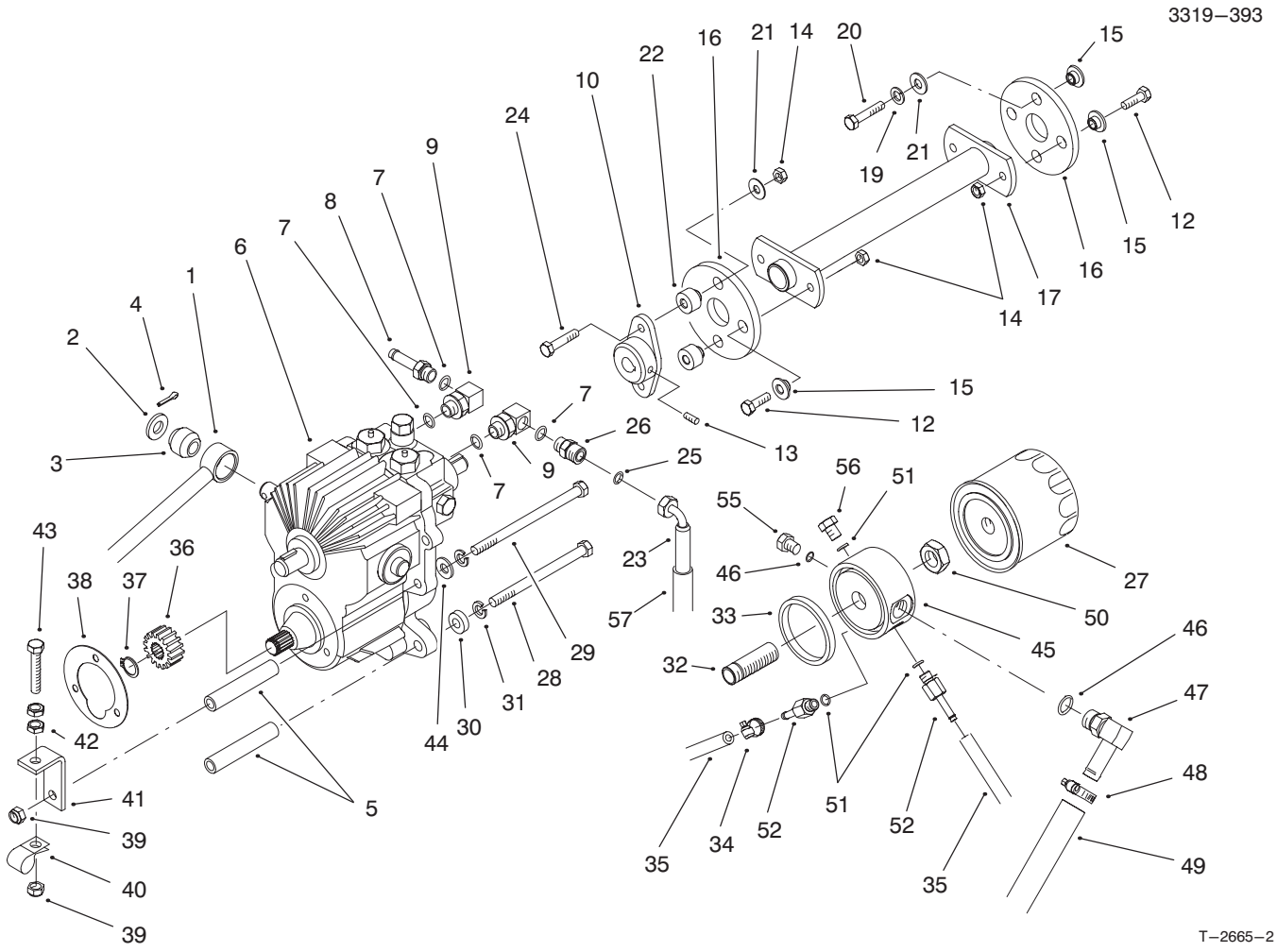
*Not Illustrated



TRANSMISSION & DRIVE COUPLING ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	63–6410	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 (Incl. Ref. #7)	1
9	66–3110	Hyd. Fitting (Incl. Ref. #7)	2
10	27–4370	Hub – Pump	1
12	3210–5	Screw – HH	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
19	42–9850	Washer – Lock	2
20	48–9460	Screw – HH	2
21	3256–71	Washer – Flat	4
22	27–6590	Spacer	2
23	66–8490	Asm – Hose	1
24	3210–8	Screw – HH	2
25	237–22	O–Ring	1

Ref. No.	Part No.	Description	No. Used
26	82–8530	Fitting (Incl. Ref. #7 & 25)	1
27	23–2300	Oil Filter	1
28	323–39	Screw – HH	3
29	27–9620	Screw – HH	1
30	5–0652	Spacer	1
31	3253–21	Washer – Lock	4
32	92–5085	Union Filter	1
33	92–5087	Seal – Adapter, Filter	1
34	2412–108	Hose Clamp	4
35	92–5082	Hose	2
36	86–7220	Gear – Spur	1
37	93–6125	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 – HH	1
44	3256–24	Washer – Flat	1
45	92–5076	Adapter – Filter	1
46	237–79	O–Ring	2
47	92–5086	Fitting – Hydraulic 45° (Incl. Ref. #46)	1
48	2412–119	Clamp – Hose	1

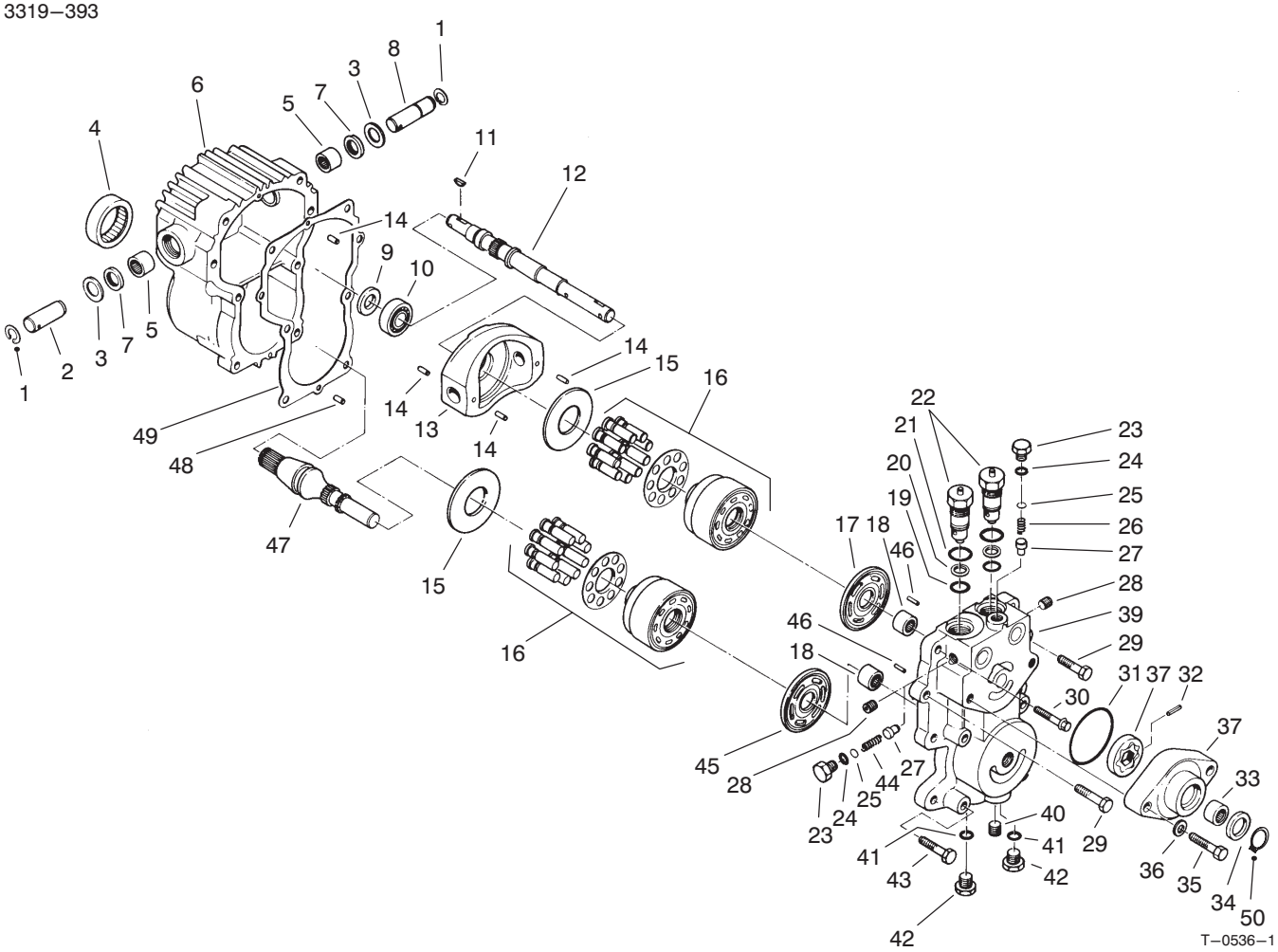


TRANSMISSION & DRIVE COUPLING ASSEMBLY (Cont.)

Ref. No.	Part No.	Description	No. Used
49	92–5083	Hose – Hydraulic	1
50	3220–7	Nut – Jam	1
51	237–78	O–Ring	3
52	237–78	O–Ring	3
52	92–5512	Fitting – Hydraulic, Straight (Incl. Ref. #51)	2
55	353–988	Plug – Hydraulic (Incl. Ref. #46)	1

Ref. No.	Part No.	Description	No. Used
56	353–990	Plug – Hydraulic (Incl. Ref. #51)	1
57	38–3400	Guard – Rubber	1
*	95–3074	Kit – 400 Hour Filter (Incl. Ref. #27)	1

3319–393

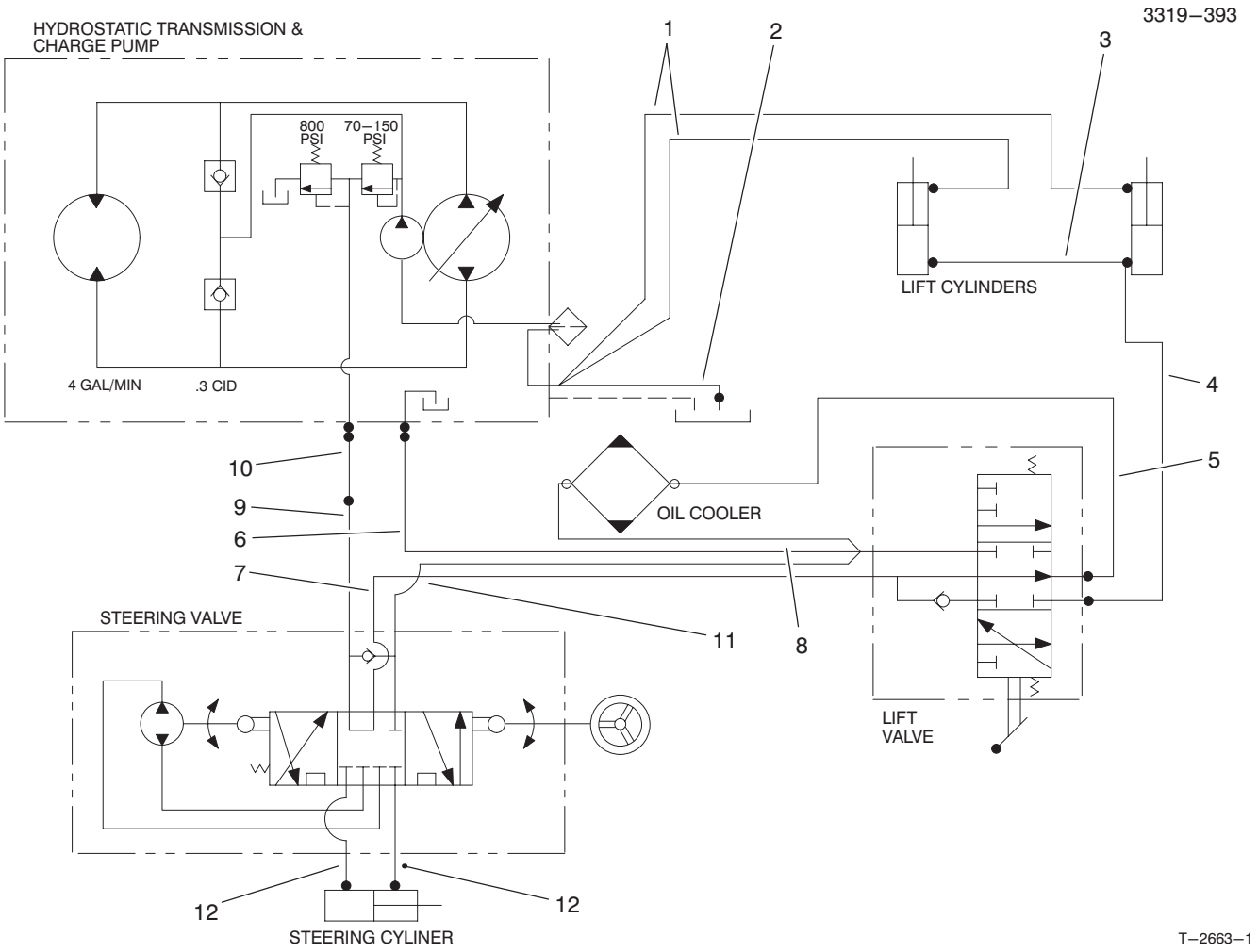


TRANSMISSION ASSEMBLY NO. 92–5513

Ref. No.	Part No.	Description	No. Used
1	32151–46	Ring – Retaining	2
2	25–2500	Shaft – Trunnion	1
3	25–2510	Washer	2
4	28–3300	Bearing – Roller	1
5	28–3310	Bearing – Needle	2
6	92–5709	Housing	1
7	25–3210	Lip Seal	2
8	28–3670	Shaft – Trunnion	1
9	93–4133	Lip Seal	1
10	28–3650	Bearing – Ball	1
11	3257–5	Key – Woodruff	2
12	28–3640	Shaft – Pump	1
13	49–7820	Variable Swashplate	1
14	32121–91	Pin	3
15	25–2380	Plate – Thrust	2
16	48–1800	Kit – Cylinder Block	2
17	46–7320	Plate – Pump Valve	1
18	25–3300	Bearing – Needle	2
19	28–3590	O–Ring	2
20	28–3580	Ring – Backup	2
21	28–3570	O–Ring	2
22	49–7830	Asm – Check Valve (Incl. Ref. #19–21)	2
23	25–2460	Plug – Hex Hd.	2
24	28–3400	O–Ring	2
25	25–2470	Shim Pack	AR
26	46–7310	Relief Valve Spring Imp.	1

Ref. No.	Part No.	Description	No. Used
27	28–3420	Relief Valve Cone Charge	2
28	285–17	Plug – Pipe	4
29	323–8	Screw – HH	2
30	28–3530	Screw – HH	2
31	28–3520	O–Ring	1
32	38–2680	Pin	1
33	28–3480	Bearing – Needle	1
†34	28–3470	Lip Seal	1
‡34	94–2975	Shaft – Seal	1
35	324–23	Screw – HH	2
36	28–3450	Washer – Flat	2
37	38–2670	Kit – Charge Pump (Incl. Ref. #31–34 & 50))	1
39	92–5716	Center Section	1
40	92–5717	Plug – Pipe	1
41		O–Ring	2
42	28–3440	Plug – Threaded (Incl. Ref. #41)	2
43	323–10	Screw – HH	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
‡50	94–2976	Ring – Retaining	1

†Used on transmission serial no. 94–39999 and before.
‡Used on transmission serial no. 94–40000 and up.

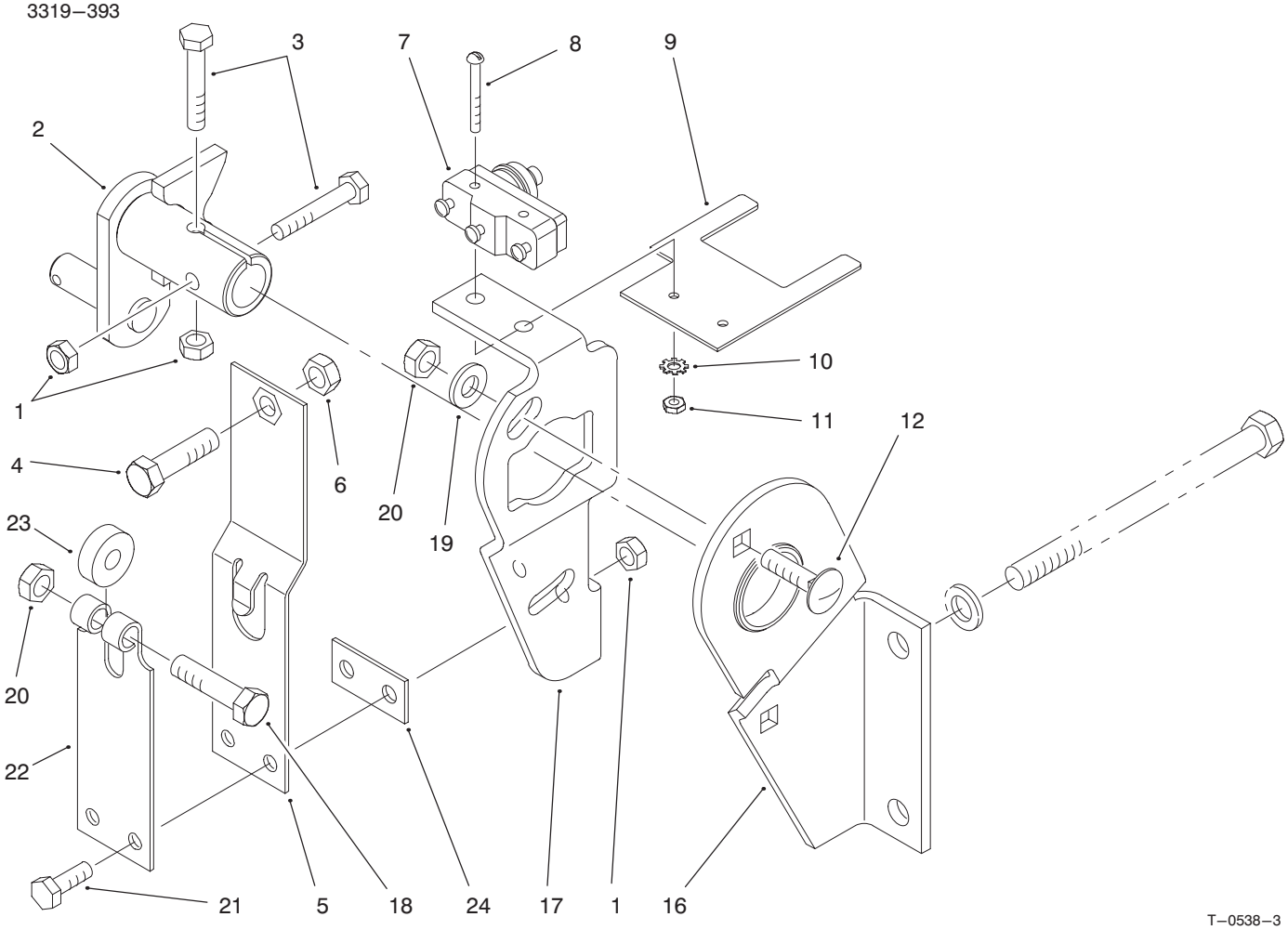


HYDRAULIC SCHEMATIC

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

Ref. No.	Part No.	Description	No. Used
7	66–8630	Tube	1
8	66–8500	Hose	1
9	66–8620	Tube	1
10	66–8490	Hose	1
11	66–8140	Hose	1
12	66–8170	Hose	2

3319–393

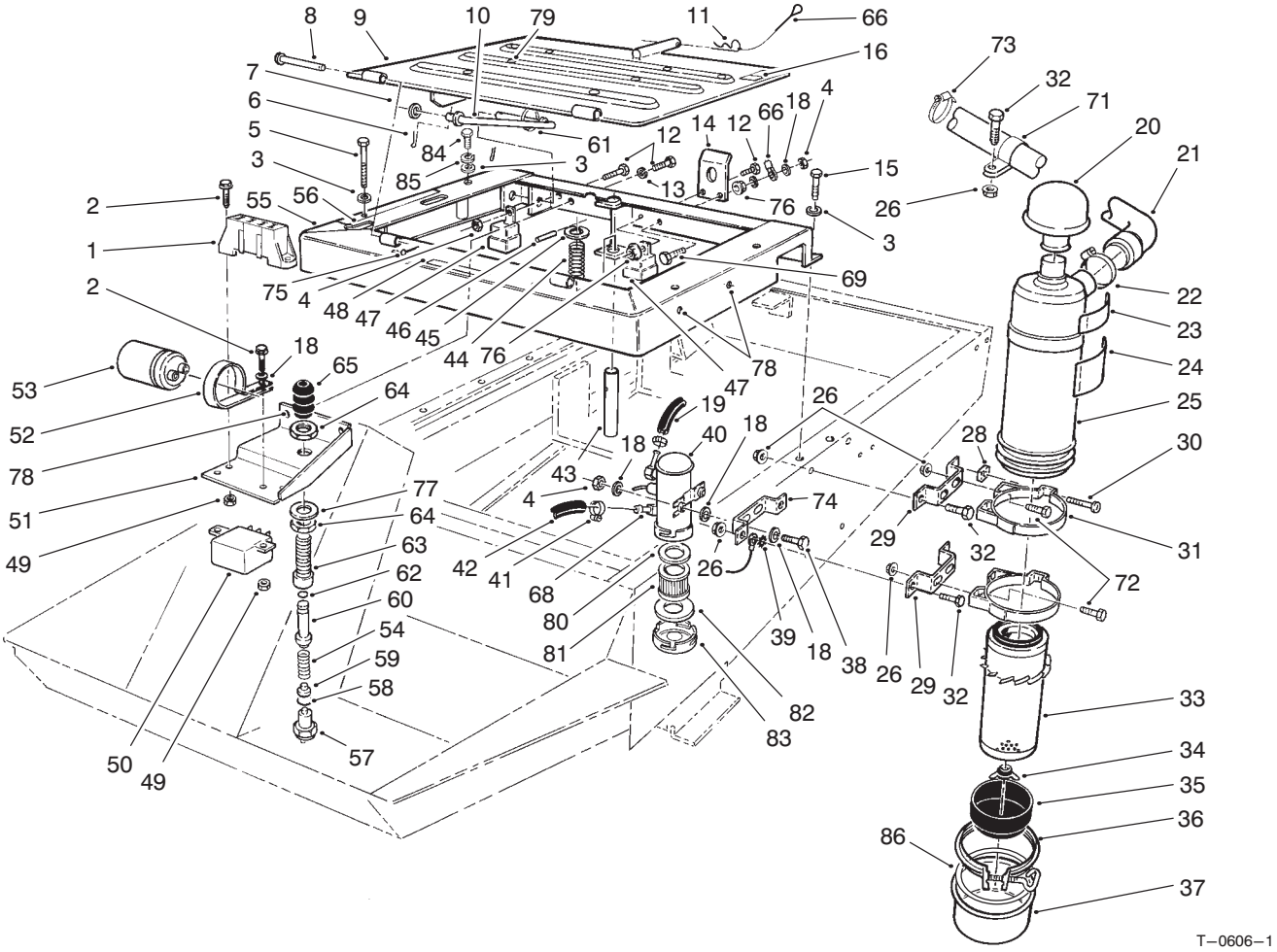


T–0538–3

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 – HH	2
4	3210–7	Screw – HH	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, Int. Tooth	2
11	3217–16	Nut – Hex.	2

Ref. No.	Part No.	Description	No. Used
12	3230–2	Bolt – Carriage	2
16	52–8890	Bracket – Mounting	2
17	52–9070	Plate – Pump	1
18	322–17	Screw – HH	1
19	3256–23	Washer – Flat	2
20	3296–29	Nut – Lock	3
21	321–4	Screw – HH	2
22	29–6150	Spring – Leaf	1
23	251–259	Bearing – Ball	1
24	51–3150	Shim	1

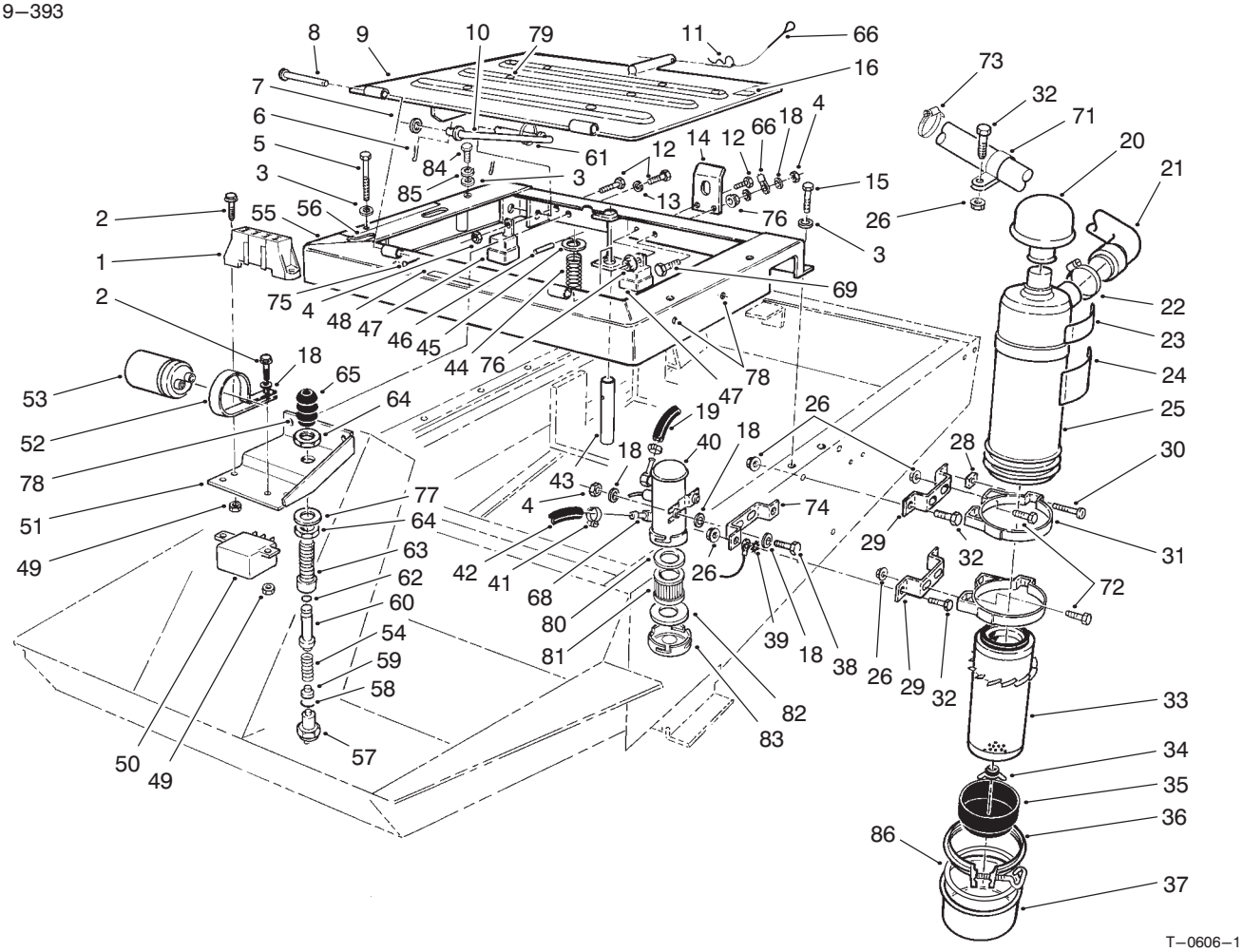


SEAT FRAME & AIR CLEANER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67–7160	Fuse Block	1
2	32105–13	Screw – HH	4
3	3256–23	Washer – Flat	6
4	3296–42	Nut – Lock	3
5	322–13	Screw – HH	6
6	3272–11	Pin – Cotter	2
7	3256–24	Washer – Flat	1
8	283–49	Pin – Clevis	2
9	92–5759	Plate – Seat (Incl. Ref. #79)	1
10	66–2800	Rod – Seat Support	1
11	3290–255	Pin – Hair, Cotter	1
12	321–4	Screw – HH	4
13	3253–3	Washer – Lock	2
14	66–2630	Latch – Seat	1
15	3234–17	Screw – HFH	2
16	52–1321	Decal – Diesel Fuel	1
16	93–6680	Decal – Diesel Fuel (Europe)	1
18	3256–22	Washer – Flat	9
19	63–7620	Hose	1
20	27–7180	Asm – Cap	1
21	94–3309	Hose – Air Cleaner Inlet	1
22	2412–42	Clamp – Hose	1
23	83–9150	Decal – Starting Fluid	1
23	93–7275	Decal – Starting Fluid (Europe)	1

Ref. No.	Part No.	Description	No. Used
25	27–7100	Asm – Air Cleaner (Incl. Ref. #24 & 32–36)	1
26	32128–20	Nut – Flange	9
28	32107–11	Nut – Square	2
29	66–2451	Bracket – Air Cleaner	2
30	3258–19	Screw – HH	2
31	27–7170	Asm – Mounting Band (Incl. Ref. #28 & 30)	2
32	322–5	Screw – HH	5
33	27–7110	Asm – Element	1
34	27–7120	Asm – Nut & Gasket	1
35	27–7140	Skirt – Baffle	1
36	27–7130	Asm – Clamp	1
37	27–7150	Asm – Cup	1
38	321–8	Screw – HH	2
39	3255–8	Washer – Lock, Ext. Tooth	1
40	53–8150	Pump – Fuel (Incl. Ref. #80–83)	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

3319−393

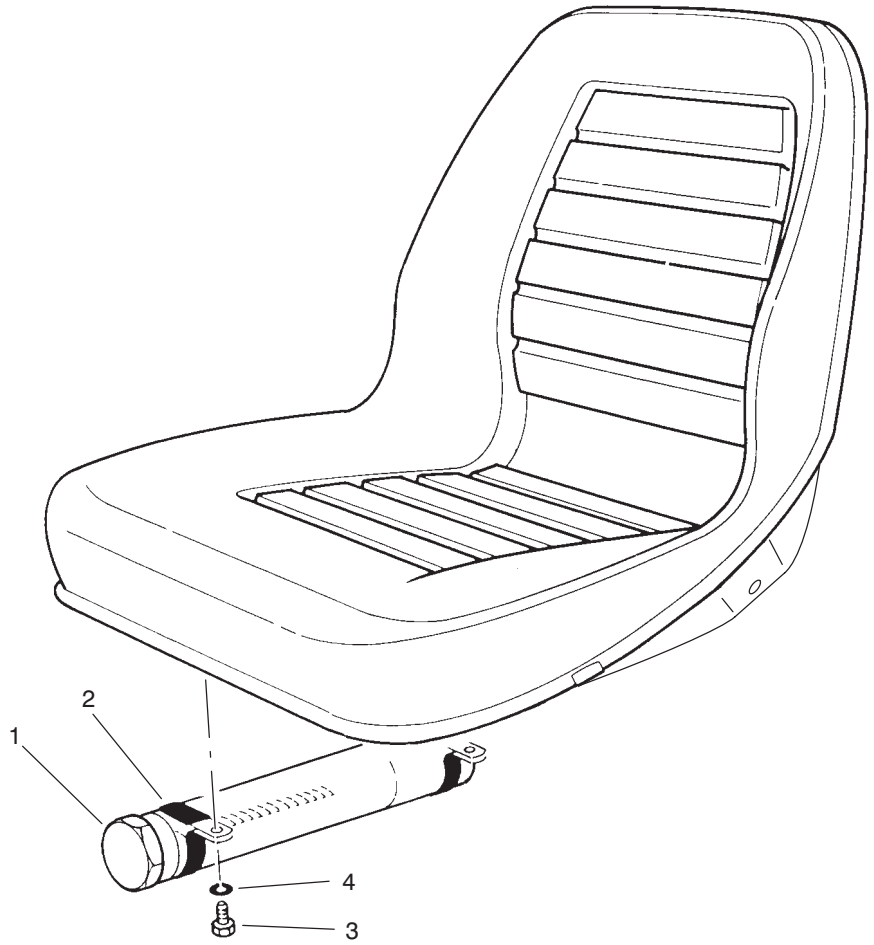


SEAT FRAME & AIR CLEANER ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
49	3296−12	Nut − Lock	4
50	66−8800	Relay	1
51	92−7892	Bracket − Seat Switch	1
52	2412−74	R−Clamp	1
53	37−2690	Capacitor	1
54	43−8600	Spring − Compression	1
55	92−8877	Frame − Seat	1
56	66−8750	Decal − Control Levers	1
56	93−7833	Decal − Control Levers (Europe)	1
57	72−4320	Switch	1
58	237−30	O−Ring	1
59	43−8610	Guide − Spring & Ball Seat	1
60	43−8860	Plunger − Switch	1
61	3290−378	Tie − Cable	1
62	237−7	O−Ring	1
63	43−8620	Guide − Switch Pin	1
64	218−461	Nut − Jam	2
65	43−8870	Boot − Switch	1
66	28−8070	Lanyard	1
68	67−1690	Fitting	2
69	321−6	Screw − HH	1
71	2412−107	R−Clamp	1

Ref. No.	Part No.	Description	No. Used
72	322−3	Screw − HH	4
73	2412−92	Clamp − Hose	1
74	66−2450	Bracket − Air Cleaner	1
75	3272−4	Pin − Cotter	2
76	32128−33	Nut − HFH	2
77	3256−69	Washer − Flat	1
78	32148−6	Nut − Clinch	6
79	32148−9	Nut − Clinch	2
80	43−2570	Gasket	1
81	43−2550	Filter	1
82	43−2560	Gasket	1
83	43−2580	Magnet	1
86	80−3330	Gasket	1
84	322−14	Screw − HH	2
85	3253−4	Washer − Lock	2
86	80−3330	Gasket	1
*	43−9071	Switch − Seat (Incl. Ref. #54, 57−60 & 62−65)	1
*	95−3074	Kit − 400 Hour Filter (Incl. Ref. #33 & 81)	1

*Not Illustrated

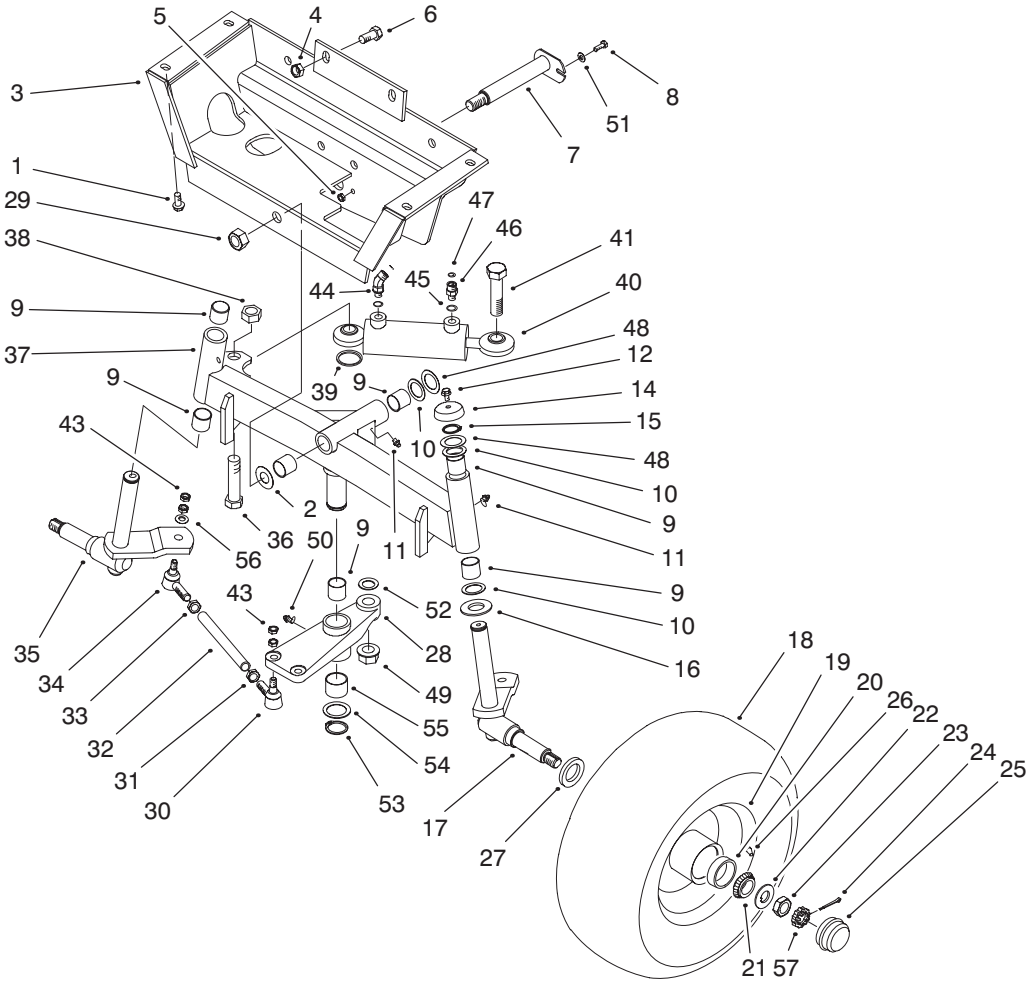


T–1692–1

MANUAL STORAGE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	74–0720	Tube – Manual	1
2	2412–133	R–Clamp	2
3	322–5	Screw	2
4	3256–23	Washer – Flat	2

3319−393

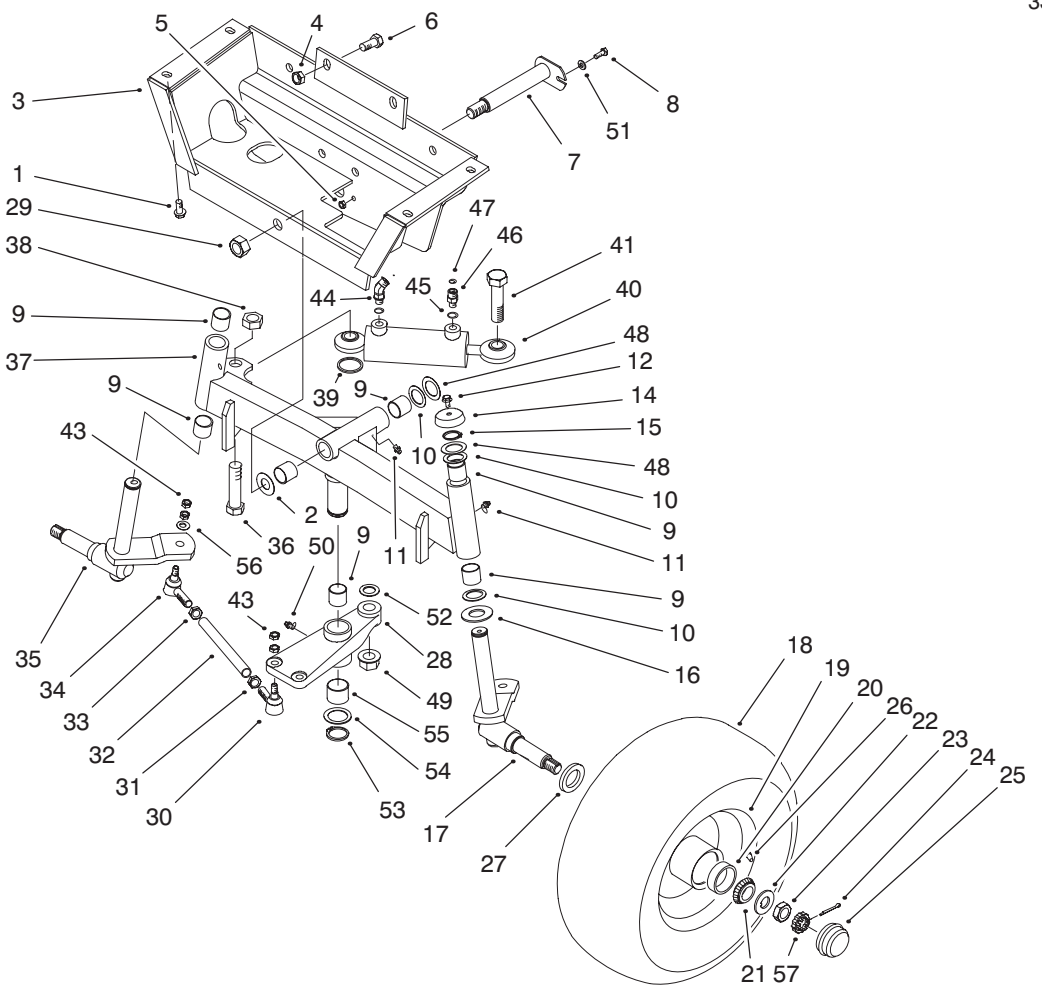


T−0540

REAR AXLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3234−25	Screw − HFH	4
2	71−4540	Washer − Thrust	1
3	63−6430	Frame − Rear	1
4	3296−25	Nut − Lock	2
5	3296−42	Nut − Lock	1
6	325−5	Screw − HH	2
7	63−6770	Pin − Rear Axle	1
8	321−4	Screw − HH	1
9	67−1750	Bushing	6
10	10−8110	Washer	5
11	302−5	Fitting − Grease	3
12	3234−13	Screw − HFH	2
14	66−2990	Cap − Spindle	2
15	32151−36	Ring − Retaining	2
16	256−121	Washer − Thrust	2
17	93−3195	Spindle − Wheel L.H.	1
18	231−105	Tire	2
19	217−118	Rim	2
20	254−72	Cup − Bearing	4
21	254−94	Cone − Bearing	4
22	93−0309	Washer − Tab	2
23	3220−7	Nut − Jam	2
24	3272−13	Pin − Cotter	2
25	241−119	Cap − Hub	2
26	232−35	Stem − Valve	2
27	253−129	Seal − Hub	2

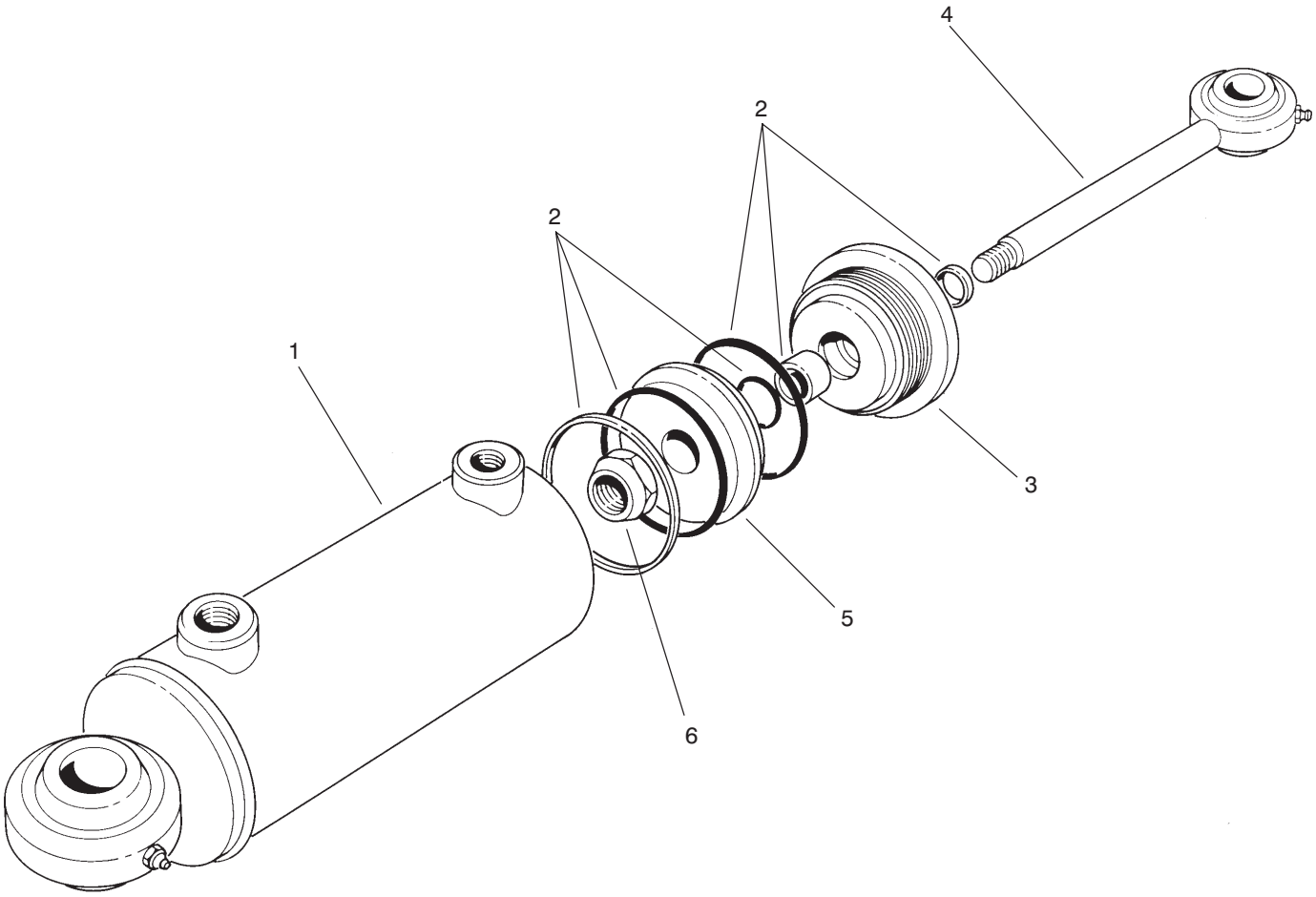
Ref. No.	Part No.	Description	No. Used
28	76−4810	Pivot − Steering (Incl. Ref. #50 & 55)	1
29	3296−51	Nut − Lock	1
30	21−0151	Joint − Ball L.H.	2
31	3220−12	Nut − Jam L.H.	2
32	63−6880	Rod − Tie	2
33	3220−5	Nut − Jam R.H.	2
34	21−0141	Joint − Ball R.H.	2
35	93−3196	Spindle − Wheel R.H.	1
36	67−7300	Screw − HH	1
37	76−3000	Axle−Rear (Incl. Ref. #9 & 11)	1
38	32153−6	Nut − Hex Lock	1
39	67−7250	Spacer Cyl.	1
40	76−2070	Cylinder − Steering	1
41	328−25	Screw − HH	1
43	3220−3	Nut − Jam	8
44	340−103	Fitting − 45˚ Elbow (Incl. Ref. #45 & 47)	1
45	237−78	O−Ring	2
46	340−92	Fitting − Straight	1
47	237−21	O−Ring	2
48	56−2460	Washer − Flat	A/R
49	32128−45	Nut − HFH	1
50	302−62	Fitting − Grease	1
51	3256−22	Washer − Flat	1



REAR AXLE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
52	67–9410	Washer – Flat	1
53	32151–77	Ring – Retaining	1
54	76–2980	Washer – Thrust	1

Ref. No.	Part No.	Description	No. Used
55	76–2970	Bushing	2
56	3256–24	Washer – Flat	2
57	93–0307	Nut – Retainer, Lock	2

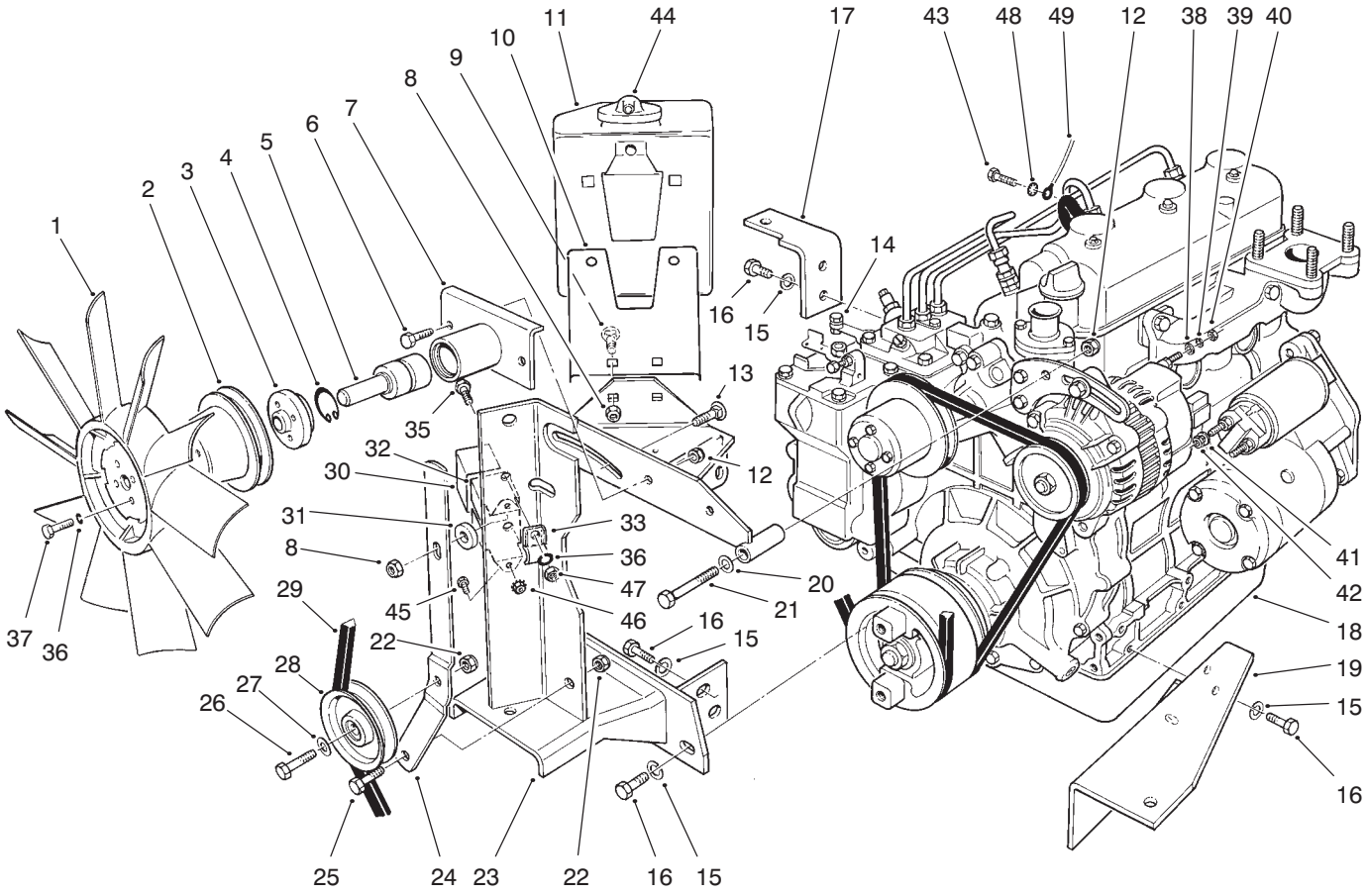


T–0541–1

HYDRAULIC CYLINDER NO. 76–2070

Ref. No.	Part No.	Description	No. Used
1	66–2770	Tube – Cylinder	1
2	76–2090	Kit – Seal	1
3	76–2790	Gland	1

Ref. No.	Part No.	Description	No. Used
4	76–2080	Asm – Piston Rod	1
5	66–1940	Piston	1
6	66–1930	Nut – Lock	1

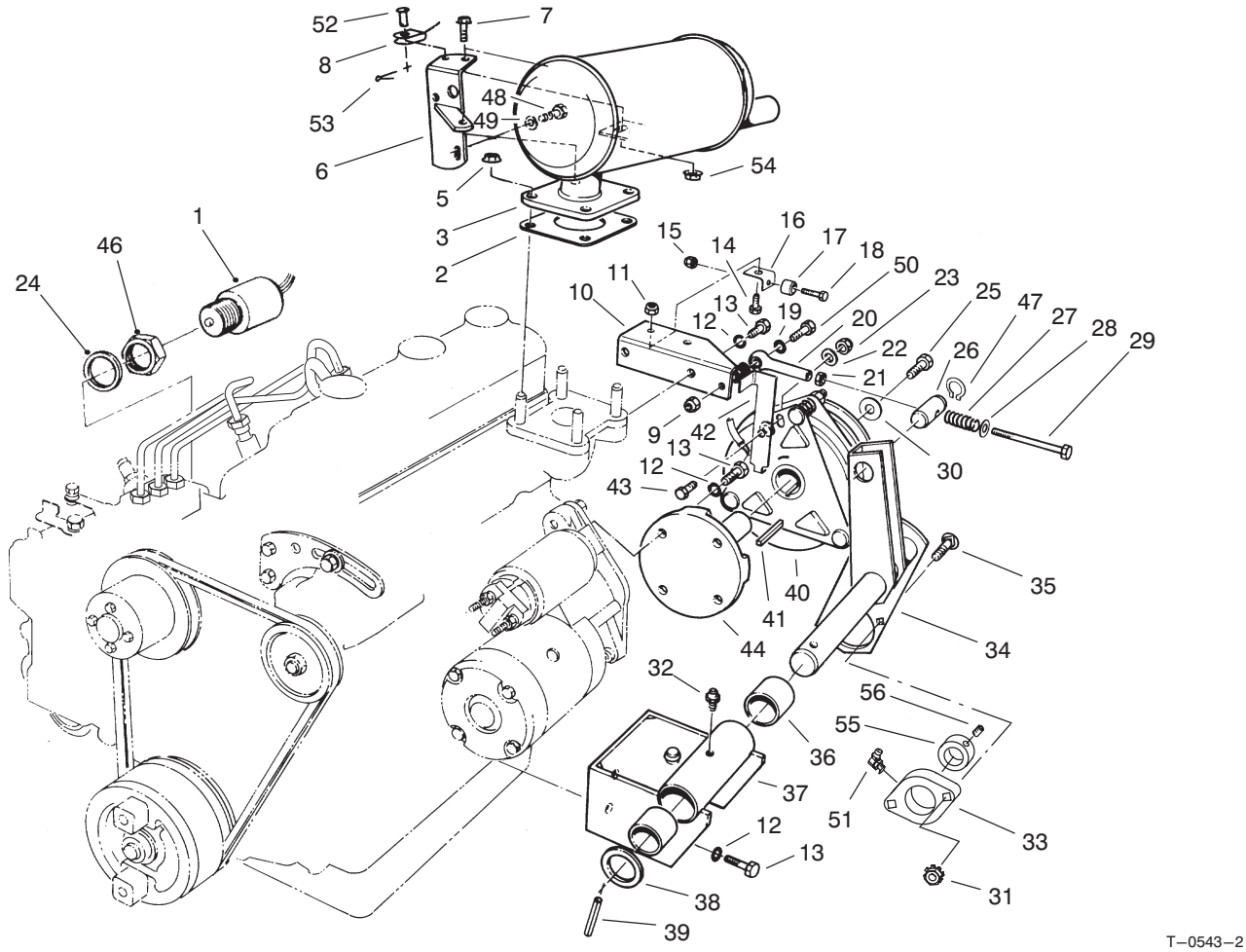


T–0542–2

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	Tank – Expansion (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	94–9432	Engine	1
19	66–2320	Mount – Engine	1
20	3256–23	Washer – Flat	1
21	322–11	Screw – HH	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 – HH	1
26	323–8	Screw – HH	1
27	3256–24	Washer – Flat	1
28	63–8140	Pulley	1
29	92–8876	Belt – Fan	1
30	70–8560	Retainer – Glow Plug	1
31	52–2340	Spacer	1
32	66–8700	Indicator – Glow (Incl. Ref. #30)	1
33	3–6657	Clip – Skid	1
35	321–4	Screw – HH	1
36	3253–3	Washer – Lock	5
37	321–3	Screw – HH	4
38	5–3637	Washer – Flat	1
39	43–5920	Washer – Lock	1
40	43–5970	Nut – Hex.	1
41	42–9850	Washer – Lock	2
42	57–6390	Nut – Hex.	2
43	48–7700	Screw – Hex.	1
44	71–1520	Cap – Reservoir	1
45	32105–8	Screw	2
46	32149–7	Nut – Keps	2
47	3217–5	Nut – Hex.	1
48	3254–2	Washer – Lock, Int. Tooth	1
49	63–7340	Wire – Ground	1



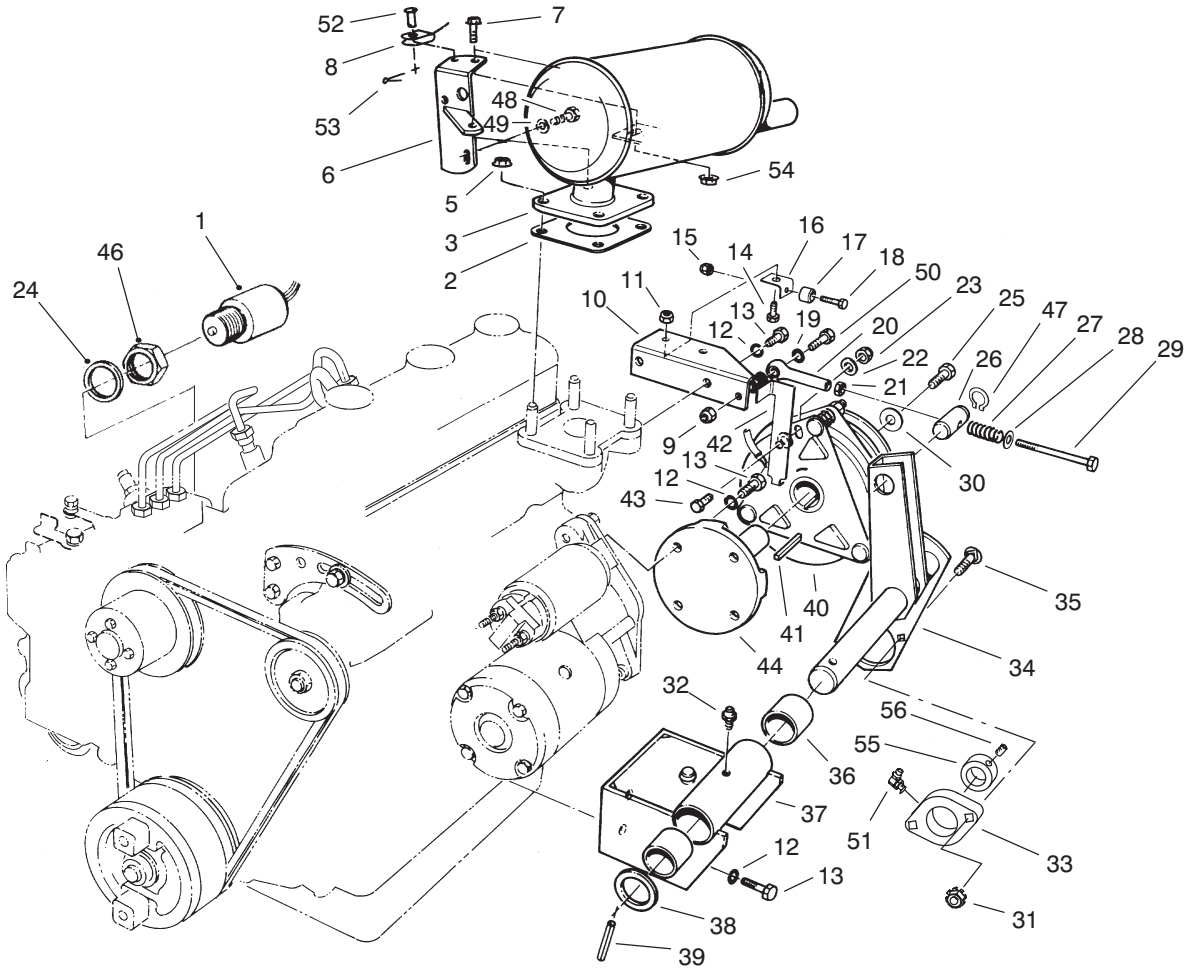
T–0543–2

POWER TAKE OFF ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	63–7440	Solenoid – Stop	1
2	53–8130	Gasket – Exhaust	1
3	84–1910	Muffler	1
*	75–6880	Spark Arrester Screen (Optional)	1
5	68–9400	Nut – Hex.	4
6	66–2360	Support – Muffler	2
7	3234–29	Screw – HFH.	1
8	66–2870	Cable – Hood Stop	1
9	3296–29	Nut – Lock	1
10	93–9991	Bracket	1
11	3296–42	Nut – Lock	2
12	48–9590	Washer – Lock	10
13	63–7790	Screw	10
14	321–3	Screw – HFH	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	92–8799	Bearing	1
34	63–6250	Shaft – PTO Tension	1
35	3230–4	Bolt – Carriage	2
36	256–299	Bushing	2
37	67–1800	Pivot Plate (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 – HH	1
44	63–6030	Hub – Clutch	1
46	43–2750	Nut – Jam	1
47	32151–83	Snap Ring	2
48	66–3160	Screw	1
49	48–8030	Washer – Flat	1

*Not Illustrated



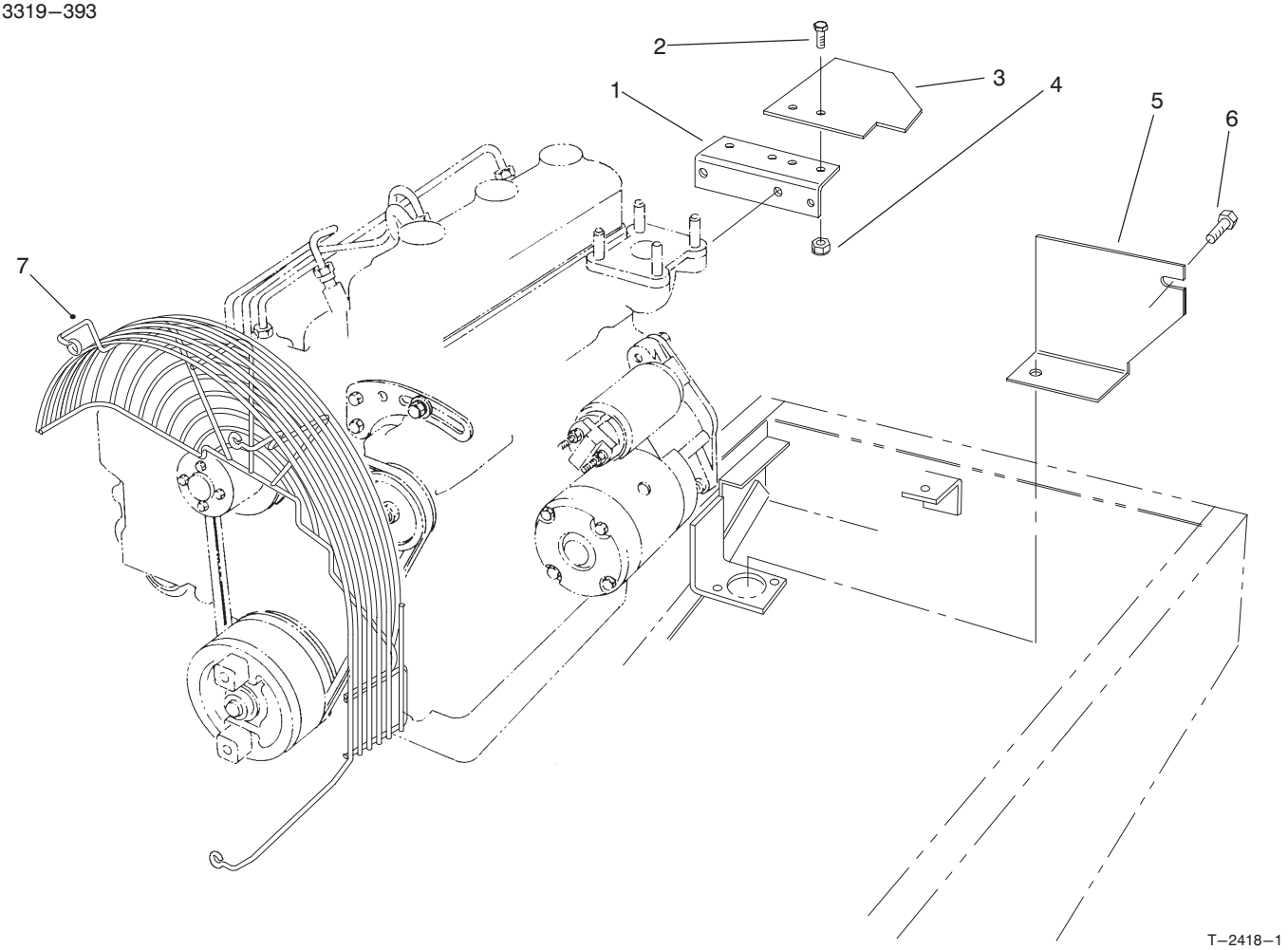
T–0543–2

POWER TAKE OFF ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
50	322–6	Screw – HH	1
51	302–40	Fitting – Grease	1
52	283–58	Pin – Clevis	1
53	3272–10	Pin – Cotter	1

Ref. No.	Part No.	Description	No. Used
54	32128–28	Nut – Lock	1
55	251–77	Collar – Locking	1
56	3245–35	Screw – Set	1

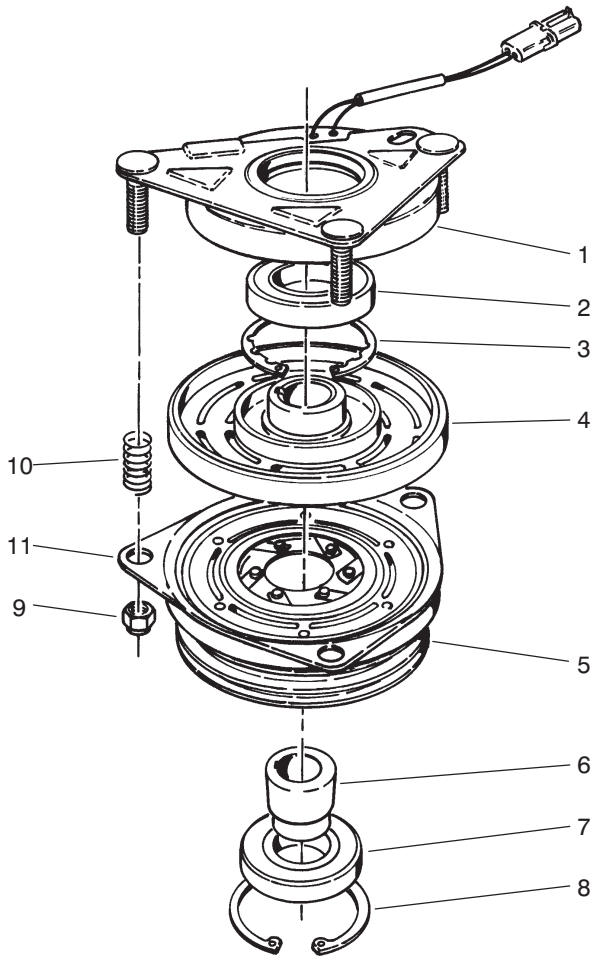
*Not Illustrated



CE ENGINE COMPONENT ASSEMBLY (EUROPE)

Ref. No.	Part No.	Description	No. Used
1	93–9991	Bracket – Clutch Anchor	1
2	321–3	Screw – HH	2
3	93–9990	Guard – Flywheel	1
4	3296–42	Nut – Lock	2

Ref. No.	Part No.	Description	No. Used
5	93–9997	Guard – Flywheel	1
6	93–9992	Screw – HH	1
7	93–9949	Guard – Fan	1

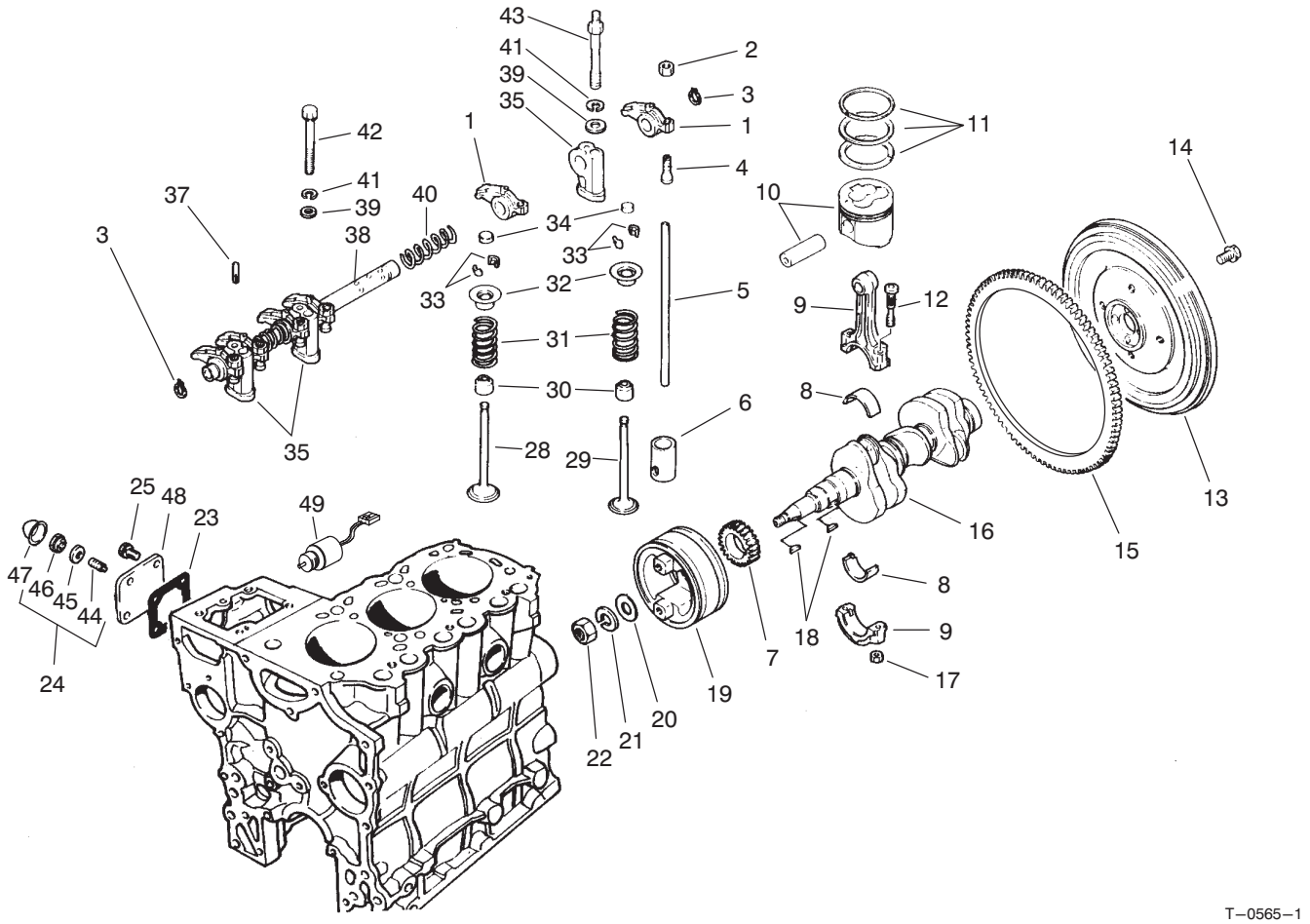


T–0544–1

CLUTCH ASSEMBLY NO. 63–6050

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



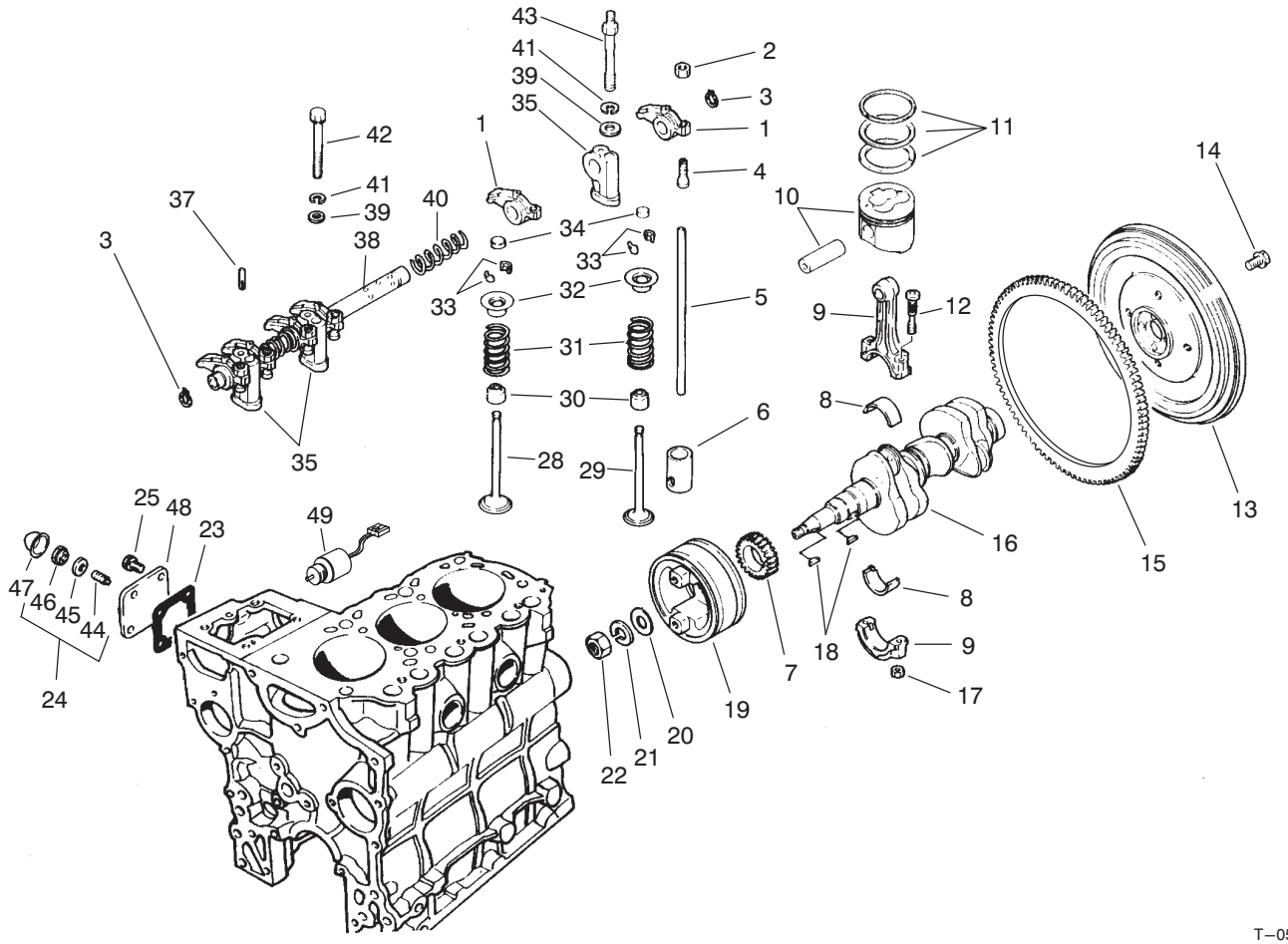
T–0565–1

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	Asm – Rod, Connecting (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	Asm – Flywheel (Incl. Ref. #14)	1

Ref. No.	Part No.	Description	No. Used
14	67–2990	Bolt	4
15	67–2980	Gear – Ring	1
16	92–0845	Crankshaft	1
17	42–9590	Nut	6
18	56–0480	Key – Woodruff	2
19	67–2930	Pulley – Crankshaft	1
20	67–2950	Washer	1
21	67–2960	Washer – Lock	1
22	67–2940	Nut – Jam	1
23	67–4310	Gasket	1
24	75–5110	Asm – Cover (Incl. Ref. #44–46)	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	Asm – Rocker Shaft	1

*Not Illustrated

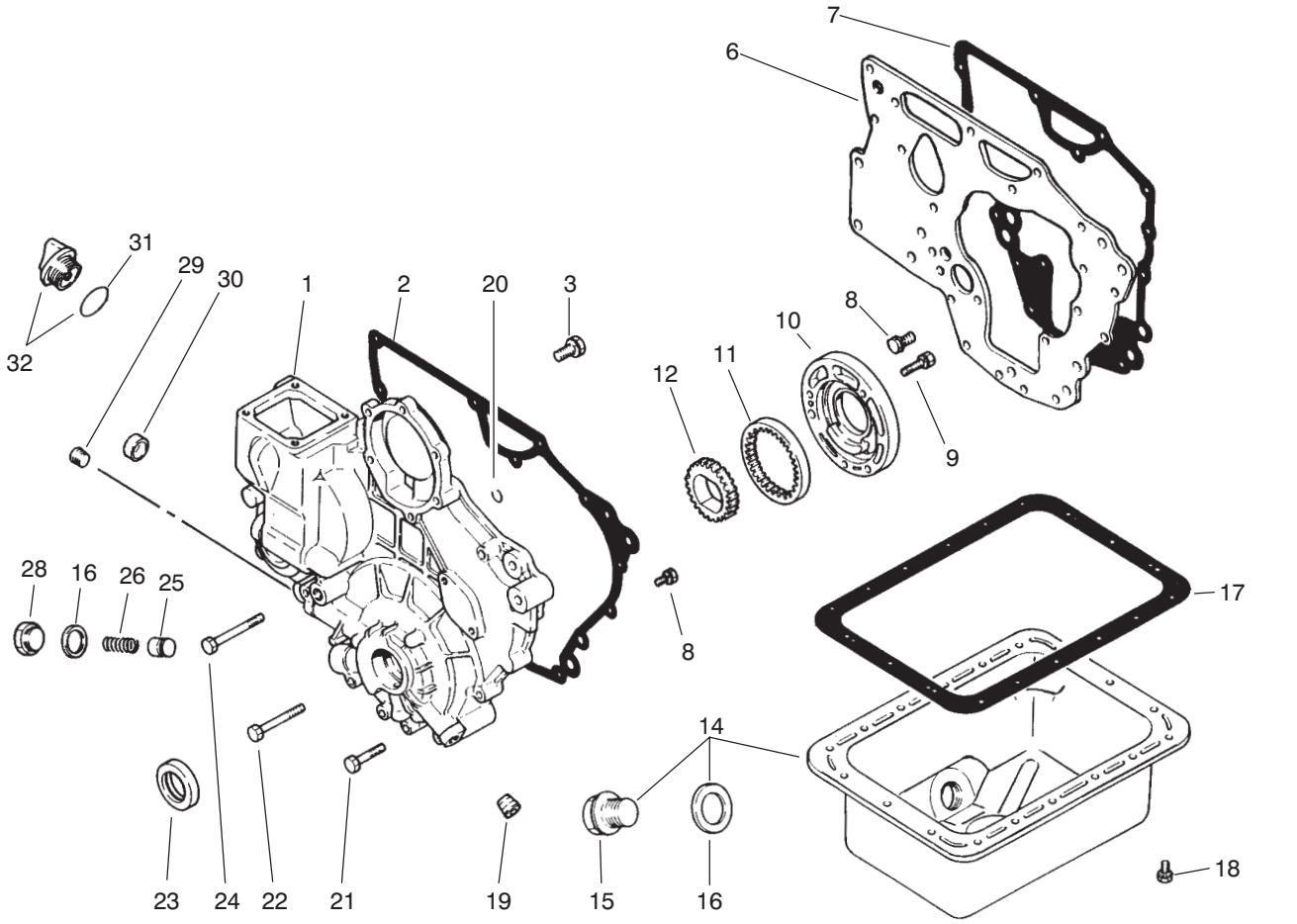


T–0565–1

VALVES AND CRANKSHAFT ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
39	42–9660	Washer	3
40	67–3170	Spring	2
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
48	67–4250	Cover – Tie Rod	1
49	63–7440	Solenoid – ETR Stop	1



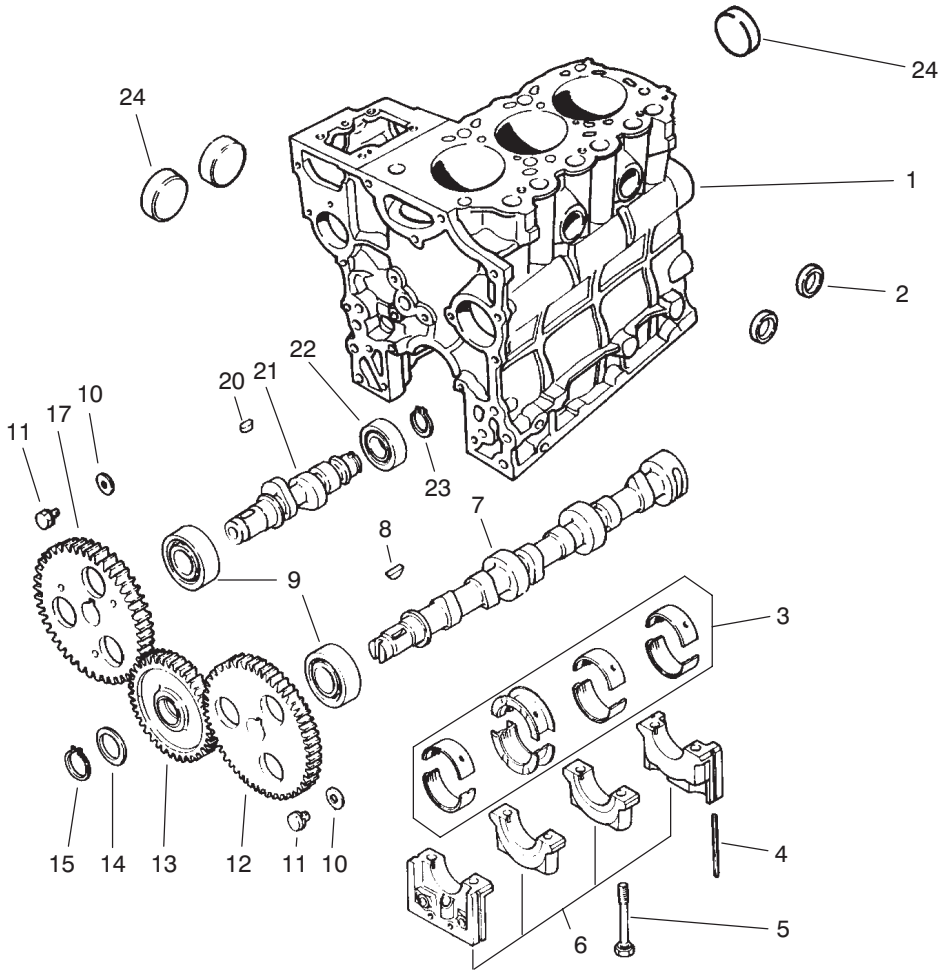
T–0567–1

CRANKCASE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	94–1259	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	Asm – Oil Pan	
		(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	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	O–Ring	1
32	67–2650	Asm – Oil Fill Cap	
		(Incl. Ref. #31)	1
*	75–5040	Kit – Gasket	
		(Incl. Ref. #2, 7, 16 &17)	1

*Not Illustrated



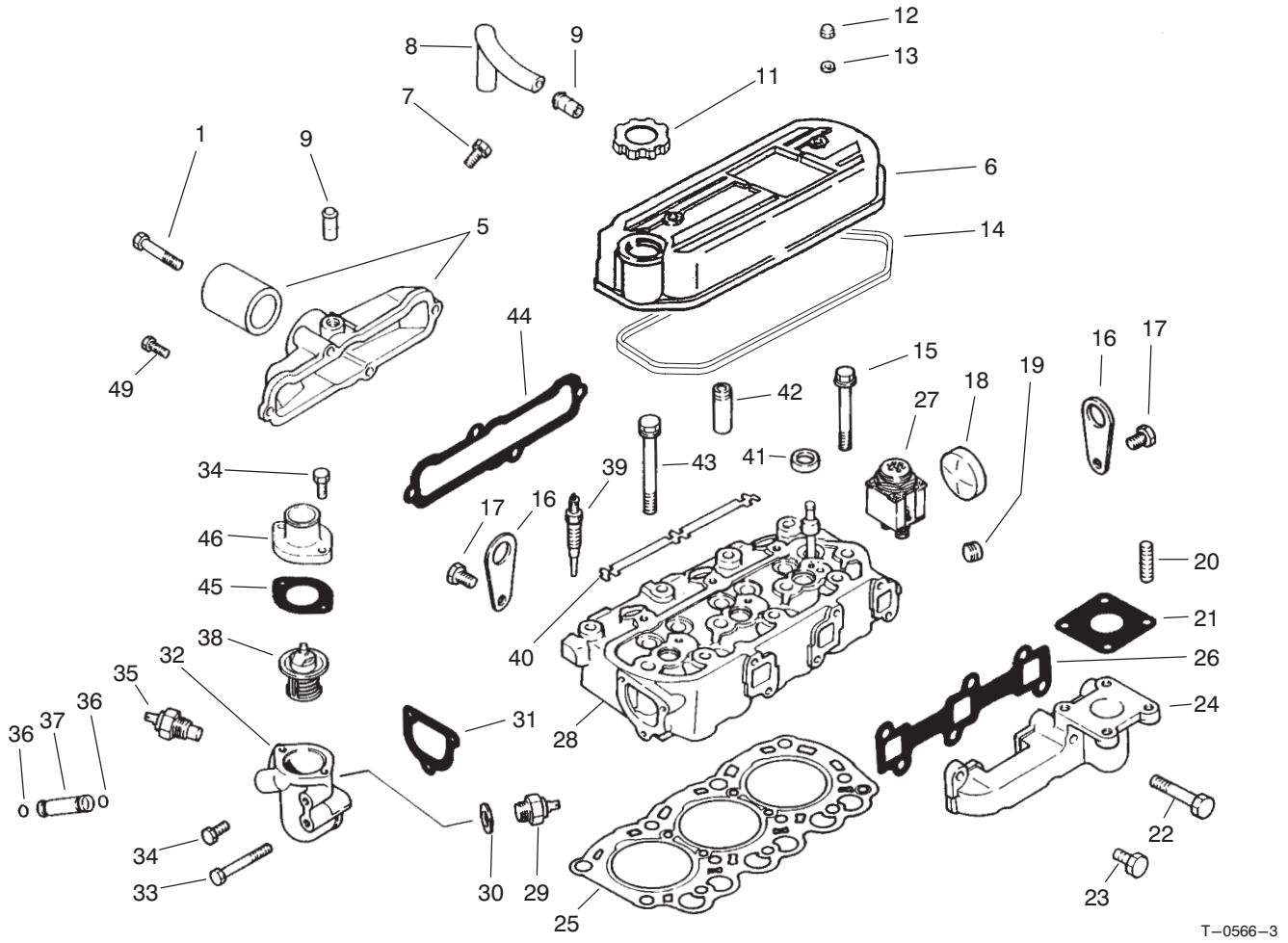
T–0564–1

CAMSHAFT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	94–1257	Asm – Block (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		Asm – Cap	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	Asm – Gear	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

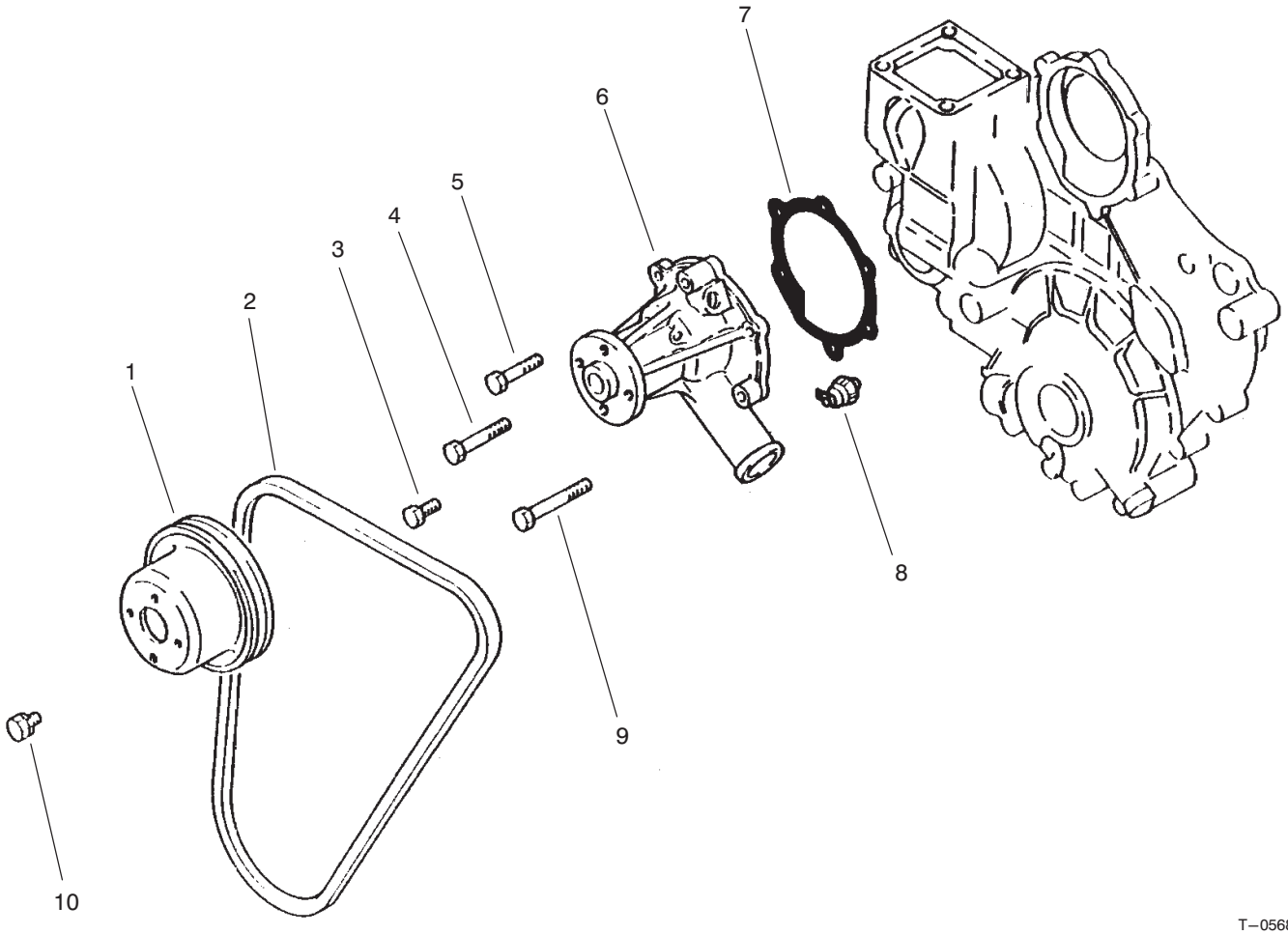
*Not Illustrated



CYLINDER HEAD ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67–4400	Bolt	2
5	94–3533	Asm – Cover, Intake (Incl. Ref. #9)	1
6	92–0846	Asm – Cover (Incl. Ref. #9)	1
7	42–9430	Bolt W/Washer	1
8	67–2670	Hose – Breather	1
9	42–7510	Pipe	2
11	92–0847	Cap – Oil Filler	1
12	67–2770	Nut – Cap	2
13	67–2780	Washer	2
14	67–2760	Gasket	1
15	67–2740	Bolt – Flange	3
16	67–2680	Hanger – Engine	2
17	67–2340	Bolt W/Washer	4
18	56–0020	Plug – Expansion	1
19	67–2570	Plug – Taper	1
20	42–9570	Stud	4
21	42–9110	Gasket	1
22	67–4580	Bolt	2
23	67–4590	Bolt	4
24	67–4560	Manifold – Exhaust	1
25	94–1258	Gasket – Cylinder Head	1

Ref. No.	Part No.	Description	No. Used
26	67–4570	Gasket – Exhaust Manifold	1
27	67–4700	Lamp – Glow	1
28	75–4930	Asm – Cylinder Head (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	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

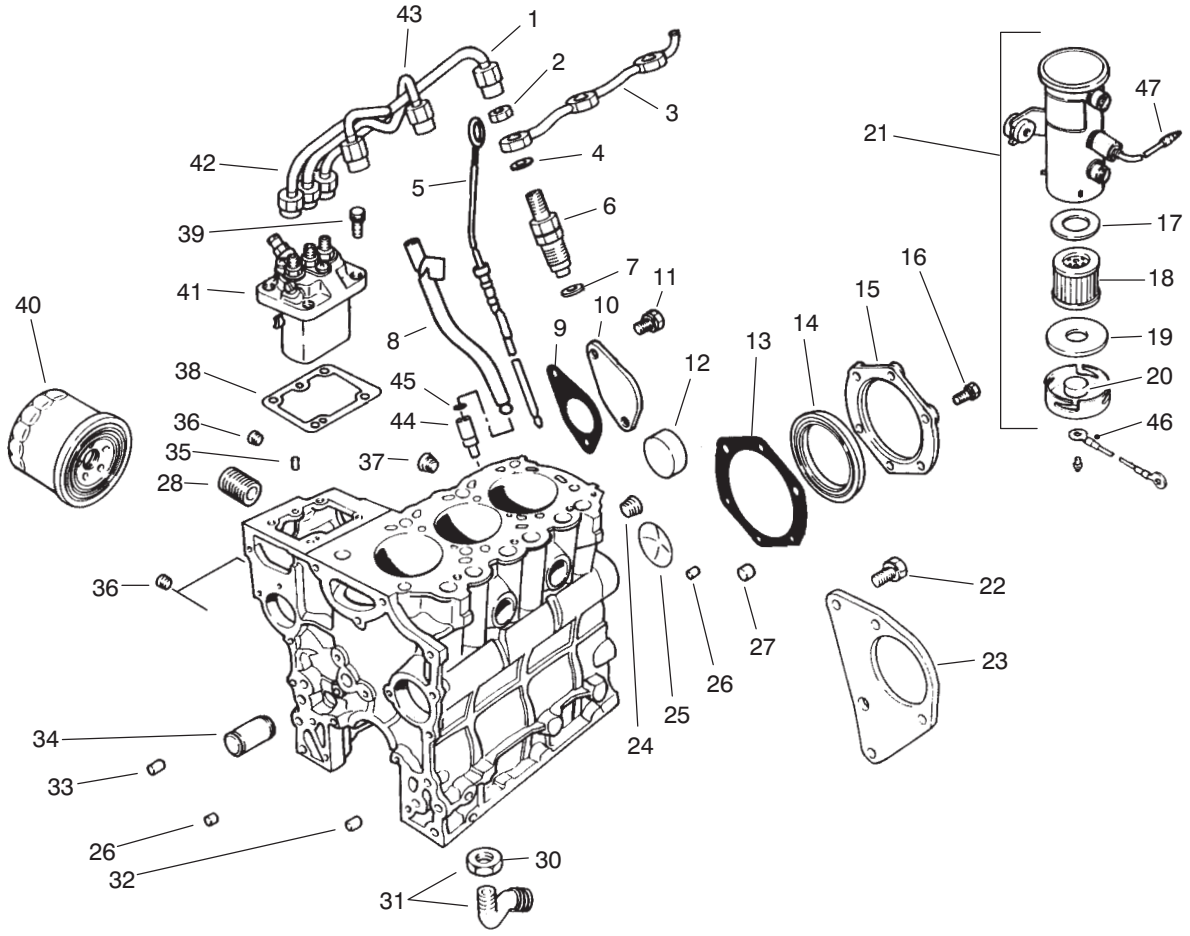


T–0568–1

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	Asm – Water Pump	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



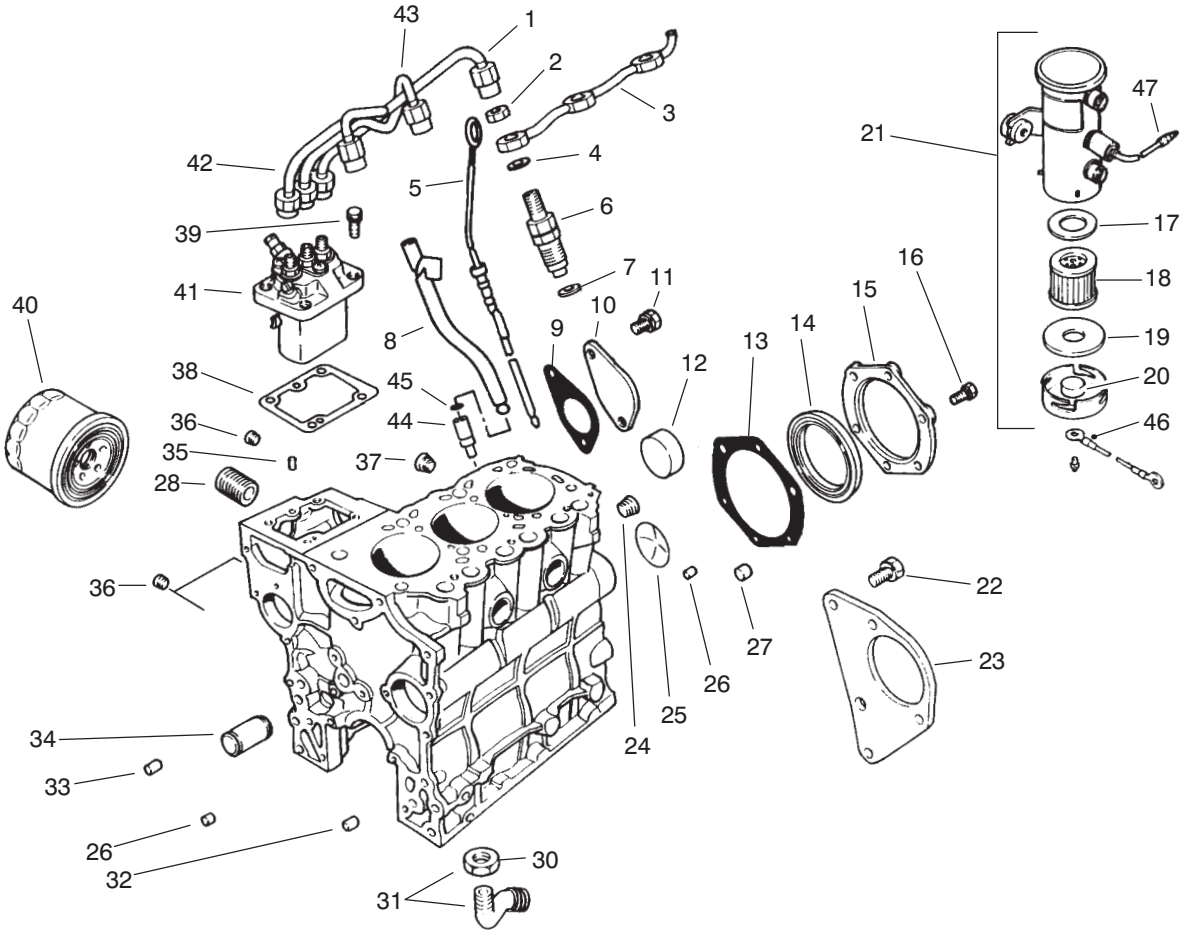
T–0569–3

FUEL SUPPLY & ENGINE BLOCK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67–3420	Asm – Pipe 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	Asm – Nozzle & Holder	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	Asm – Pump (Incl. Ref. #17–20)	1
22	67–2440	Bolt W/Washer	3
23	67–2430	Bracket – Starter	1
24	67–2390	Plug – Taper	1
25	67–2350	Plug – Expansion	1

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

*Not Illustrated



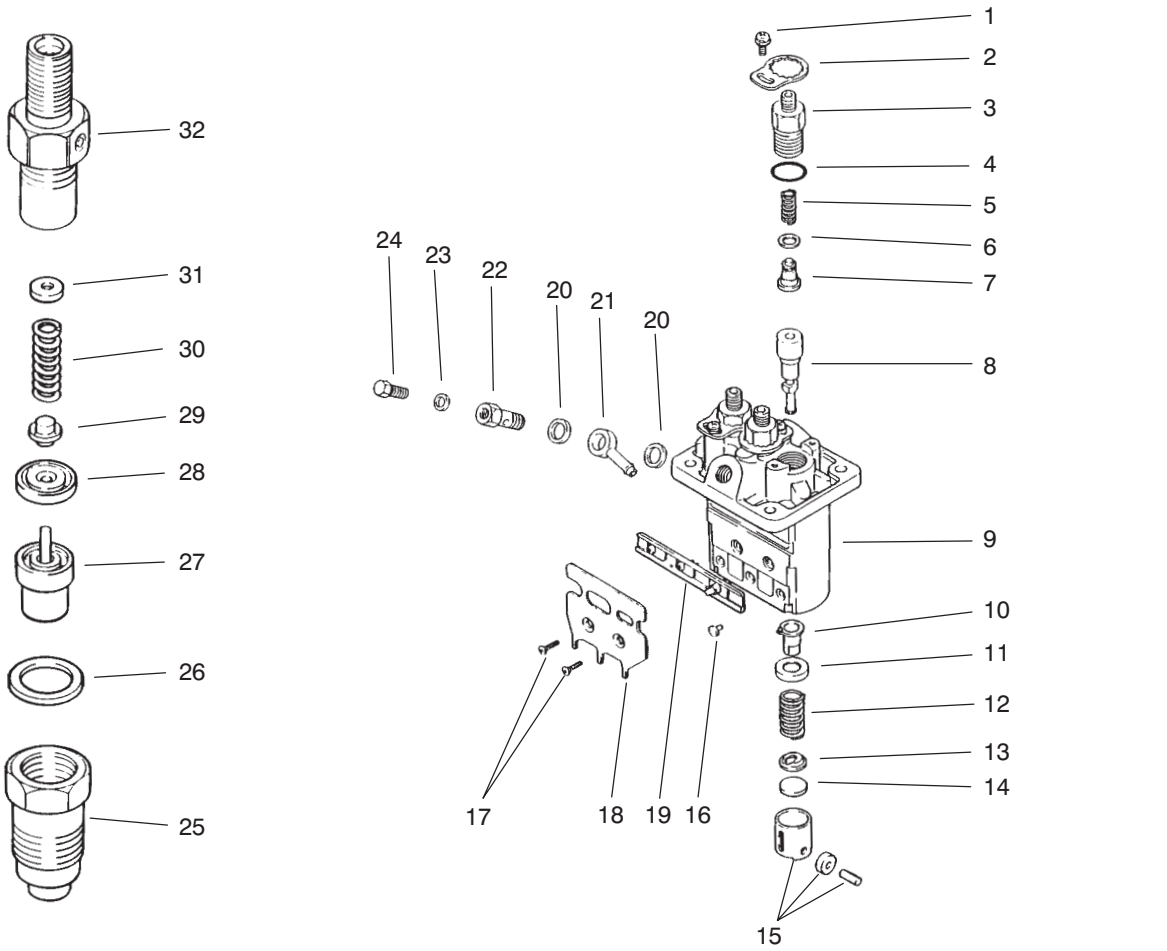
T–0569–3

FUEL SUPPLY & ENGINE BLOCK ASSEMBLY (Cont.)

Ref. No.	Part No.	Description	No. Used
44	72–6950	Retainer – Oil Guide	1
45	43–2710	O–Ring	1
46	70–8530	Wire – Fuel Pump	1

Ref. No.	Part No.	Description	No. Used
47	218–579	Wire – Fuel Pump	1
*	95–3074	Kit – 400 Hour Filter (Incl. Ref. #40)	1

*Not Illustrated



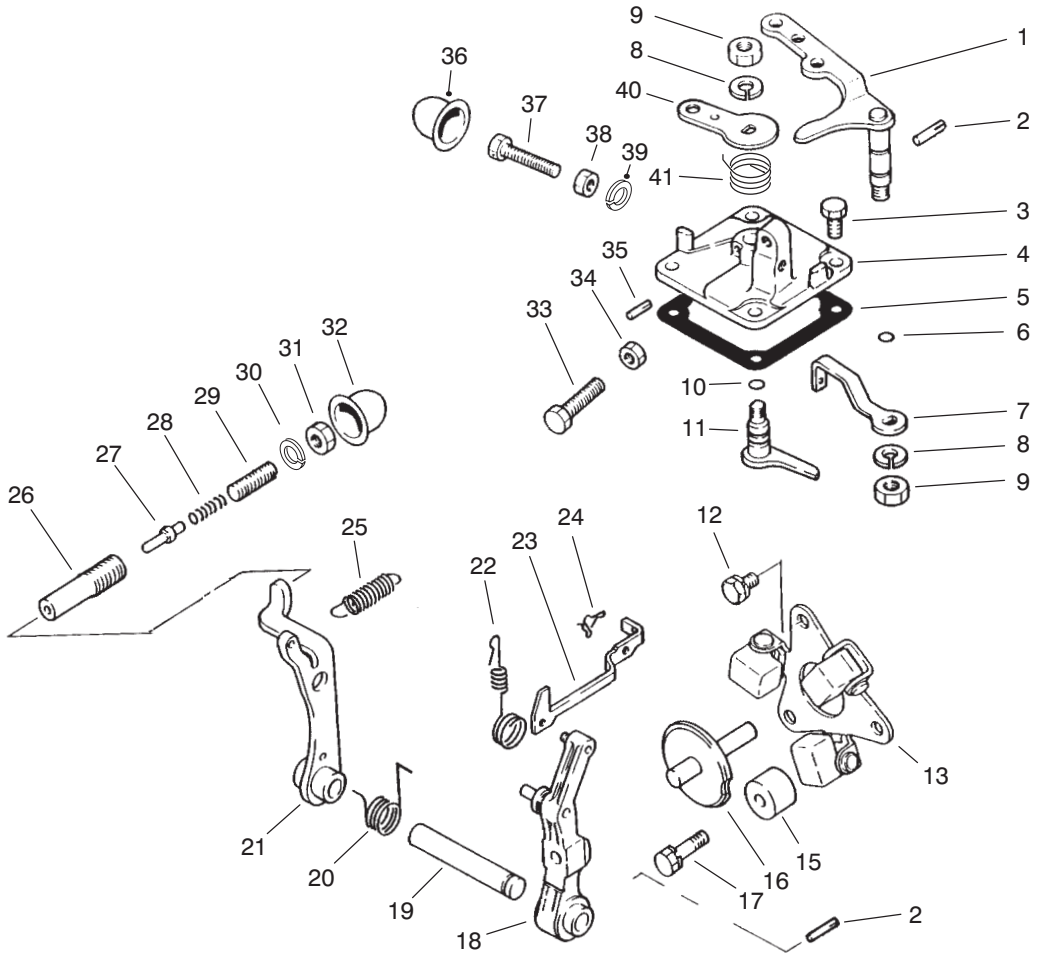
T–0570–4

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	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
*	67–3650	Plate – Shim 2.3 mm	1
*	67–3660	Plate – Shim 2.35 mm	1
*	67–3670	Plate – Shim 2.4 mm	1
*	67–3680	Plate – Shim 2.45 mm	1
*	67–3690	Plate – Shim 2.5 mm	1
15	67–3700	Tappet	3
16	67–3810	Pin – Tappet Guide	3

Ref. No.	Part No.	Description	No. Used
17	67–3790	Screw	2
18	67–3800	Bracket – Wire Stop	1
19	67–3780	Rack	1
20	67–3750	Washer	2
21	67–3740	Nipple – Swivel	1
22	67–3730	Screw	1
23	67–3720	Washer	1
24	67–3710	Screw – Air Bleed	1
25	67–3970	Nut – Retaining	3
26	67–3980	Gasket	3
27	67–3960	Nozzle	3
28	67–3950	Piece – Distance	3
29	67–3940	Pin – Pressure	3
30	67–3930	Spring	3
31	67–3830	Washer 1.25 mm	1
*	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
*	67–3910	Washer 1.65 mm	1
*	67–3920	Washer 1.7 mm	1
32	75–5000	Body	3
*	67–3380	Asm – Nozzle and Holder (Incl. Ref. #25–32)	3
*	75–5020	Asm – Injector Pump (Incl. Ref. #1–24)	1

*Not Illustrated



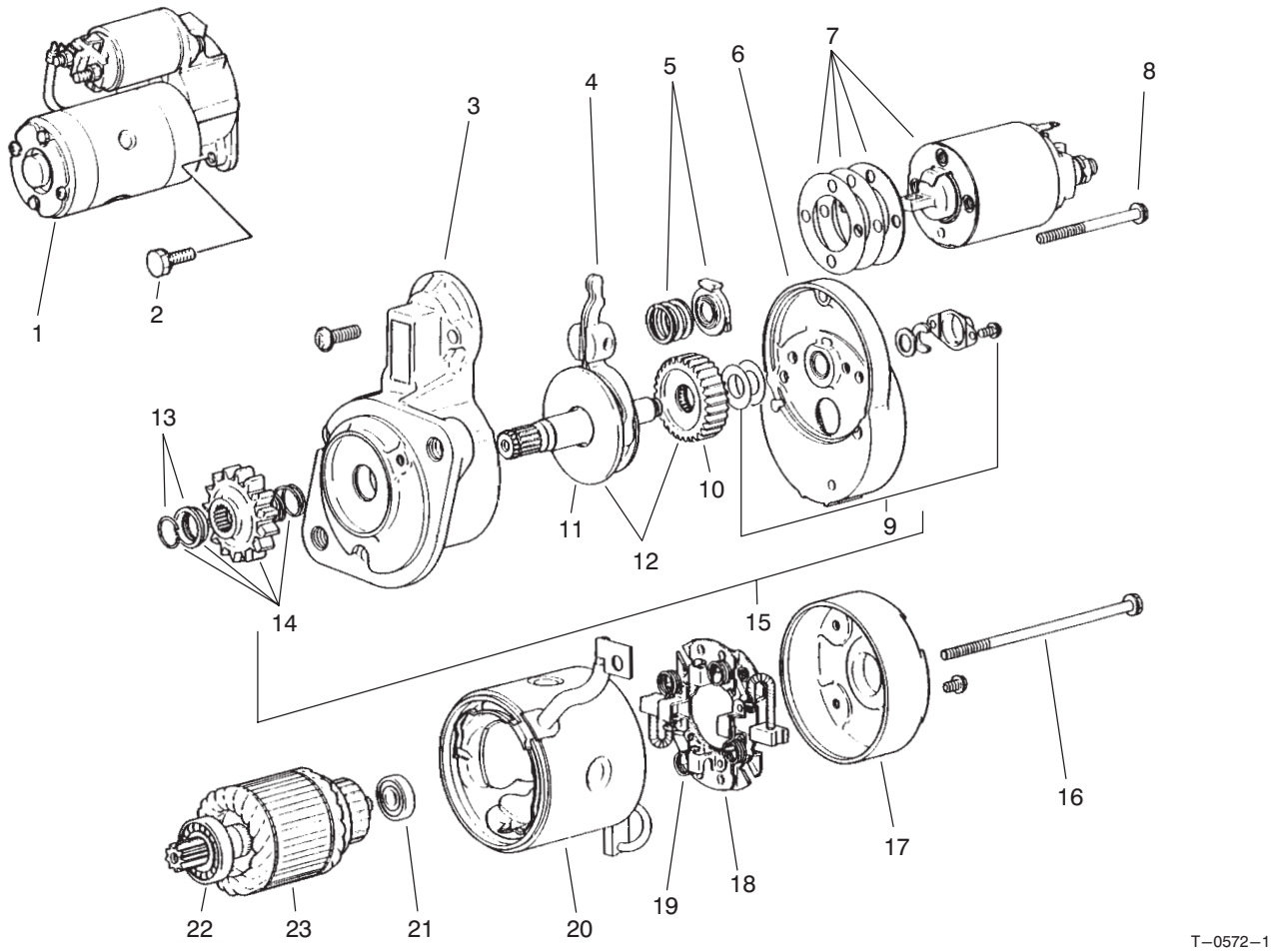
T–0571–2

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		Cover – Governor	1
5	67–4160	Gasket	1
6	42–8830	O–Ring	1
7	75–4980	Lever – Governor Spring	1
8	67–3260	Washer	2
9	42–9640	Nut – Jam	2
10	42–8830	O–Ring	1
11	67–4140	Lever – Stop	1
12	42–9430	Bolt W/Washer	2
13	67–4040	Asm – Weight	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		Case – Torque Spring	1
†27		Stopper	1
†28		Spring – Torque	1
†29		Screw – Adjusting	1
†30		Nut – Special	1
†31		Nut	1
†32		Cap – Sealing Torque Set	1
33	95–9605	Bolt – Speed Set	1
34	67–4290	Nut	1
35	67–4120	Pin – Grooved	1
†36		Cover – High Speed Set	1
†37		Bolt – High Speed Set	1
†38		Nut – High Speed Set	1
†39		C–Ring – High Speed Set	1
40	67–4150	Lever – Stop	1
41	94–3827	Spring – Return	1
†*		Spring Set (Incl. Ref. #26–29 & 31)	1

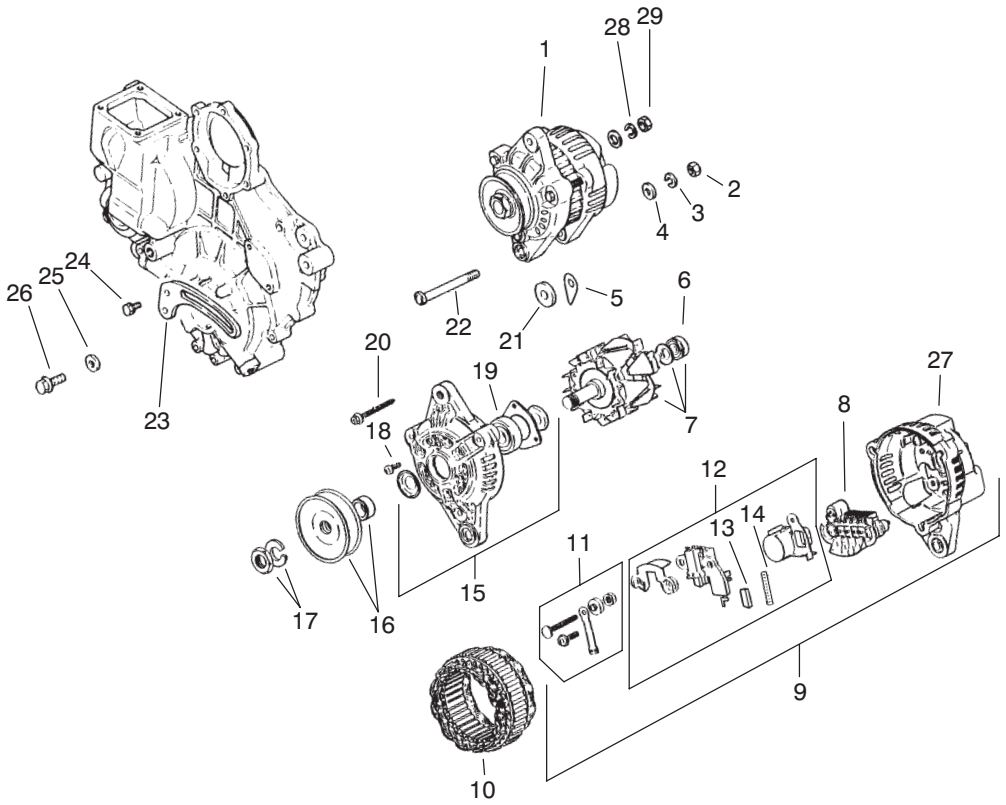
*Not Illustrated
†Item must be serviced by a Mitsubishi Authorized Toro Dealer/Distributor.



STARTER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	70−8760	Asm − Starter (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	Asm − Shaft (Incl. Ref. #9, 12 & 14)	1
16	56−1610	Bolt	1
17	56−1720	Bracket − Rear	1
18	56−1700	Holder − Brush (Incl. Ref. #19)	1
19	56−1710	Spring − Brush	4
20	67−4800	Yoke	1
21	56−1600	Bearing − Rear	1
22	56−1590	Bearing − Front	1
23	56−1580	Armature Set (Incl. Ref. #21 & 22)	1



T–0573–1

ALTERNATOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67–4630	Asm – Alternator (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	Asm – Rotor (Incl. Ref. #6)	1
8	67–4930	Rectifier	1
9	67–4890	Asm – Rear Cover (Incl. Ref. #8, 11, 12 & 27)	1
10	67–4880	Stator	1
11	67–4900	Terminal Set	1
12	67–4910	Asm – Regulator (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	Asm – Front Bracket (Incl. Ref. #18 & 19)	1
16	67–4810	Pulley Set	1
17	43–1920	Nut Set	1
18	67–4840	Screw Set	1
19	67–4850	Bearing – Front	1
20	67–4820	Bolt Set	1
21	67–4620	Spacer	1
22	67–4640	Bolt	1
23	75–4940	Brace – Alternator	1
24	42–9440	Bolt W/Washer	1
25	54–8660	Washer	1
26	67–4660	Bolt – Flange	1
27	72–6140	Cover – Rear	1

TORO PART NUMBER INDEX

Part No.	Description	Pg. No.	Ref. No.	Qty.
3–4324	Washer	30	38	1
3–6624	Spring	30	27	1
3–6657	Clip – Skid	29	33	1
3–7243	Spring – Return	5	20	2
4–2390	Washer	30	28	1
5–0652	Spacer	18	30	1
5–3637	Washer – Flat	29	38	1
5–7570	Washer	7	6	2
6–1659	Switch – Glow Plugs	3	13	1
7–3900	Foot Pad – Brake	5	28	2
10–8110	Washer	26	10	5
12–5450	Screw – Thread Forming	15	15	8
14–7149	Asm – Hood	1	1	1
21–0141	Joint – Ball R.H.	26	34	2
21–0151	Joint – Ball L.H.	26	30	2
21–7670	Differential Case	15	6	1
21–7690	Gear – Pinion	15	10	2
21–7700	Shaft – Pinion Mate	15	7	1
21–7720	Washer – Thrust	15	8	2
21–7730	Washer – Thrust	15	11	2
21–7770	Screw – Drive Gear	15	5	5
21–7830	Cover – Gear	15	16	1
21–7850	Cap Plug	15	27	1
21–8020	Spacer – Frt. Pinion Bearing	16	29	1
21–8090	Diff. Adjust. Shim. .003	16	35	A/R
21–8100	Diff. Adjust. Shim. .005	16	36	A/R
21–8110	Diff. Adjust. Shim. .010	16	37	A/R
21–8120	Diff. Adjust. Shim. .030	16	38	A/R
21–8180	Bearing – Tapered Roller	17	3	2
21–8270	Pin – Dowel	15	4	2
21–8360	Clip – Retaining	17	10	2
21–9260	Cover – Dust	5	39	1
21–9370	Adjusting Screw	17	7	2
21–9380	Nut – Pivot	17	8	2
21–9390	Socket – Adjusting Screw	17	6	2
21–9420	Spring – Shoe Return L.H.	17	18	2
21–9430	Spring – Shoe Return R.H.	17	17	2
21–9440	Screw – Spring Adjusting	17	14	2
21–9450	Dust Shield	17	4	2
21–9460	Retainer – Parking Brake	17	15	4
23–2270	Bushing – Rubber	18	3	1
23–2300	Oil Filter	18	27	1
23–7270	Nut – Lug	14	20	10
24–8790	Gear – Bevel, Differential	15	9	2
24–8840	Ring – Wheel Bearing	17	22	2
24–9180	Strut/Lever – Parking Brake	17	19	2
25–2380	Plate – Thrust	20	15	2
25–2430	Pin	20	46	2
25–2460	Plug – Hex Hd.	20	23	2
25–2470	Shim Pack	20	25	AR
25–2480	Relief Valve Spring Charge	20	44	1
25–2500	Shaft – Trunnion	20	2	1
25–2510	Washer	20	3	2
25–3210	Lip Seal	20	7	2
25–3300	Bearing – Needle	20	18	2
27–2360	Switch – Ignition	3	7	1
27–3680	Spacer – Mounting	18	5	4
27–3690	Gasket – Transmission	18	38	1
27–4240	Pin – Cylinder	11	30	2
27–4370	Hub – Pump	18	10	1
27–6590	Spacer	18	22	2
27–6600	Spacer – Rubber	18	15	6
27–6851	Shaft – Axle, Flanged R.H.	17	*	1
27–6861	Shaft – Axle, Flanged L.H.	17	1	1
27–7100	Asm – Air Cleaner	23	25	1
27–7110	Asm – Element	23	33	1
27–7120	Asm – Nut & Gasket	23	34	1
27–7130	Asm – Clamp	23	36	1
27–7140	Skirt – Baffle	23	35	1
27–7150	Asm – Cup	23	37	1
27–7170	Asm – Mounting Band	23	31	2
27–7180	Asm – Cap	23	20	1
27–7310	Decal – Refueling	1	16	1
27–9620	Screw – HH	18	29	1
28–0670	Oil Seal	17	13	2
28–0680	Brake Drum	17	11	2
28–1280	Boot – Cable, Positive	8	63	1
28–3300	Bearing – Roller	20	4	1
28–3310	Bearing – Needle	20	5	2
28–3340	Gasket	20	49	1
28–3350	Pin	20	48	2
28–3380	Plate – Motor Valve	20	45	1
28–3400	O–Ring	20	24	2
28–3420	Relief Valve Cone Charge	20	27	2
28–3440	Plug – Threaded	20	42	2
28–3450	Washer – Flat	20	36	2
28–3470	Lip Seal	20	34	1
28–3480	Bearing – Needle	20	33	1
28–3520	O–Ring	20	31	1
28–3530	Screw – HH	20	30	2
28–3570	O–Ring	20	21	2
28–3580	Ring – Backup	20	20	2
28–3590	O–Ring	20	19	2
28–3640	Shaft – Pump	20	12	1
28–3650	Bearing – Ball	20	10	1
28–3670	Shaft – Trunnion	20	8	1
28–5220	Wheel – Friction	7	5	1
28–8070	Lanyard	24	66	1
29–4730	Washer – Power Take Off	10	3	1
29–6150	Spring – Leaf	22	22	1
29–6162	Micro Switch	22	7	1
29–6170	Spring – Extended Leaf	22	5	1
29–9790	Pump – Lever	22	2	1
36–7290	Shaft & Bearing	29	5	1
37–2690	Capacitor	24	53	1
37–9590	Spring – Compression	23	44	1
38–2670	Kit – Charge Pump	20	37	1
38–2680	Pin	20	32	1
38–3400	Guard – Rubber	19	57	1
42–6080	Shim – Axle	14	41	A/R
42–7080	Cap	37	2	2
42–7190	Bushing – Knock	40	33	2
42–7210	Plug–Taper	36	19	1
42–7290	Gasket – Drain	36	16	2
42–7510	Pipe	38	9	2
42–7840	Key	37	20	1
42–7860	Lock	34	33	12
42–7870	Seal	34	30	6
42–8240	Gasket	42	6	3
42–8830	O–Ring	43	6	1
42–8830	O–Ring	43	10	1
42–9110	Gasket	38	21	1
42–9260	Plug – Drain	36	15	1
42–9430	Bolt W/Washer	38	7	1
42–9430	Bolt W/Washer	43	12	2
42–9440	Bolt W/Washer	36	8	11
42–9440	Bolt W/Washer	45	24	1
42–9440	Bolt W/Washer	34	25	4
42–9490	Bolt W/Washer	39	10	4
42–9490	Bolt W/Washer	37	11	2
42–9490	Bolt W/Washer	36	18	18
42–9510	Bolt	35	42	1
42–9570	Stud	38	20	4
42–9590	Nut	34	17	6
42–9640	Nut – Jam	43	9	2
42–9650	Nut – Jam	40	30	1
42–9660	Washer	45	4	1
42–9660	Washer	35	39	3
42–9850	Washer – Lock	18	19	2
42–9850	Washer – Lock	29	41	2
43–0370	Shim	45	5	1
43–0510	Spring – Brush	45	14	2
43–1920	Nut Set	45	17	1
43–2550	Filter	40	18	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
43–2550	Filter	24	81	1
43–2560	Gasket	24	82	1
43–2560	Gasket – Side Cover	40	19	1
43–2570	Gasket	24	80	1
43–2570	Gasket – Coil Side	40	17	1
43–2580	Magnet	40	20	1
43–2580	Magnet	24	83	1
43–2710	O–Ring	38	36	2
43–2710	O–Ring	41	45	1
43–2740	Gasket	30	24	1
43–2750	Nut – Jam	30	46	1
43–2820	Cap – Sealing	35	47	1
43–3160	Screw – Adjusting	35	44	1
43–4031	Cable – Battery, Positive	8	62	1
43–4031	Wire – Positive	4	1	1
43–5320	Pulley – Power Take Off	10	4	1
43–5920	Washer – Lock	29	39	1
43–5960	Nut – Special	35	46	1
43–5970	Nut – Hex.	29	40	1
43–6550	Ring – Retaining	15	26	1
43–6710	Shim Adjusting Differential	15	18	A/R
43–6711	Shim Adjusting Differential	15	19	A/R
43–6712	Shim Adjusting Differential	15	20	A/R
43–6713	Shim Adjusting Differential	15	21	A/R
43–6750	Cup – Tapered, Bearing	16	31	1
43–6760	Cone – Bearing, Tapered	15	13	1
43–6810	Torque Spider	17	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	18	16	2
44–8320	Spring	33	10	3
44–8530	Sock – Hose	5	47	1
46–2210	Shim Front Pinion Bearing	15	28	A/R
46–2211	Shim Front Pinion Bearing	15	*	A/R
46–2212	Shim Front Pinion Bearing	15	*	A/R
46–2213	Shim Front Pinion Bearing	15	*	A/R
46–2214	Shim Front Pinion Bearing	15	*	A/R
46–2215	Shim Front Pinion Bearing	15	*	A/R
46–2216	Shim Front Pinion Bearing	15	*	A/R
46–2220	Shim Front Pinion Bearing	15	*	A/R
46–2221	Shim Front Pinion Bearing	15	*	A/R
46–2222	Shim Front Pinion Bearing	15	*	A/R
46–2223	Shim Front Pinion Bearing	15	*	A/R
46–2224	Shim Front Pinion Bearing	15	*	A/R
46–2225	Shim Front Pinion Bearing	16	*28	A/R
46–2226	Shim Front Pinion Bearing	16	*	A/R
46–2410	Shim Front Pinion Bearing	16	*	A/R
46–2411	Shim Front Pinion Bearing	16		A/R
46–2412	Shim Front Pinion Bearing	16	*	A/R
46–2413	Shim Front Pinion Bearing	16	*	A/R
46–2414	Shim Front Pinion Bearing	16	*	A/R
46–2415	Shim Front Pinion Bearing	16	*	A/R
46–2416	Shim Front Pinion Bearing	16	*	A/R
46–2420	Shim Front Pinion Bearing	16	*	A/R
46–2421	Shim Front Pinion Bearing	16		A/R
46–2422	Shim Front Pinion Bearing	16	*	A/R
46–2423	Shim Front Pinion Bearing	16	*	A/R
46–2424	Shim Front Pinion Bearing	16	*28	A/R
46–2425	Shim Front Pinion Bearing	16	*	A/R
46–2426	Shim Front Pinion Bearing	16	*	A/R
46–6550	Connector 90˚	14	3	1
46–6560	Bushing	14	40	2
46–6810	Screw – HH	1	26	13
46–7310	Relief Valve Spring Imp.	20	26	1
46–7320	Plate – Pump Valve	20	17	1
46–8091	Screw – HH	2	43	2
46–8810	Stop – Leaf Spring	22	9	1
48–1800	Kit – Cylinder Block	20	16	2
48–7700	Screw – Hex.	29	43	1
48–8030	Washer – Flat	30	49	1
48–9460	Screw – HH	18	20	2
48–9590	Washer – Lock	30	12	10
48–9590	Washer – Lock	29	15	8
49–7820	Variable Swashplate	20	13	1
49–7830	Asm – Check Valve	20	22	2
49–8200	Shaft – Motor	20	47	1
51–3150	Shim	22	24	1
52–1321	Decal – Diesel Fuel	23	16	1
52–2340	Spacer	29	31	1
52–8890	Bracket – Mounting	22	16	2
52–9070	Plate – Pump	22	17	1
53–4430	Decal – Oil	2	34	1
53–8130	Gasket – Exhaust	30	2	1
53–8150	Asm – Pump	40	21	1
53–8150	Pump – Fuel	23	40	1
54–7950	Asm – Drive Shaft	10	*	1
54–8660	Washer	45	25	1
54–9040	Yoke – End	10	22	1
54–9050	Shaft – Slip Yoke	10	20	1
54–9090	Yoke – End	10	17	1
54–9170	Tube – Slip Yoke	10	18	1
54–9180	Kit – Universal Joint	10	25	2
56–0020	Plug	37	24	3
56–0020	Plug – Expansion	40	12	3
56–0020	Plug – Expansion	38	18	1
56–0100	Plug – Taper	40	37	1
56–0220	Pin – Dowel	40	35	2
56–0480	Key – Woodruff	37	8	1
56–0480	Key – Woodruff	34	18	2
56–1060	Snap Ring	37	15	1
56–1230	Shaft – Oil Filter	40	28	1
56–1570	Bolt Set	44	8	1
56–1580	Armature Set	44	23	1
56–1590	Bearing – Front	44	22	1
56–1600	Bearing – Rear	44	21	1
56–1610	Bolt	44	16	1
56–1640	Stopper Set	44	13	1
56–1670	Gear	44	10	1
56–1680	Cover Set	44	9	1
56–1700	Holder – Brush	44	18	1
56–1710	Spring – Brush	44	19	4
56–1720	Bracket – Rear	44	17	1
56–2460	Washer – Flat	26	48	A/R
57–6390	Nut – Hex.	29	42	2
58–6320	Wiper – Seal	12	1	1
58–6400	Bushing	12	5	1
58–6420	Asm – Cap	12	8	1
58–6450	O–Ring	12	2	2
58–6460	Ring – Retaining	12	9	1
59–9740	Asm – Latch, Flex. Draw	2	47	1
62–5550	Decal – TORO	2	37	1
62–7020	Asm – Wheel & Tire	14	*	2
62–7400	Decal – Toro	2	65	1
62–7650	Gasket	14	38	1
63–6020	Hose – Lower	13	21	1
63–6030	Hub – Clutch	30	44	1
63–6050	Clutch – Electric	30	40	1
63–6180	Pedal – L.H. Brake	5	26	1
63–6190	Pedal – R.H.Brake	5	29	1
63–6210	Pin – Brake	5	22	1
63–6240	Belt – Power Take Off	10	5	1
63–6250	Shaft – PTO Tension	30	34	1
63–6290	Pin – Tension	30	26	1
63–6410	Rod – Pump Control	7	15	1
63–6410	Tube – Traction Control	18	1	1
63–6430	Frame – Rear	26	3	1
63–6440	Shield – Radiator	13	27	1
63–6610	Drive Shaft	18	17	1
63–6630	Cylinder – Lift	11	31	2
63–6690	Lever – Clutch Anchor	30	42	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
63–6720	Lever – Idler	29	24	1
63–6750	Link – Brake Cable	5	19	2
63–6760	Swivel – Throttle Cable	9	*	1
63–6760	Swivel – Throttle Cable	29	14	1
63–6770	Pin – Rear Axle	26	7	1
63–6880	Rod – Tie	26	32	2
63–6890	Plate – Hinge R.H.	2	42	1
63–6900	Plate Hinge L.H.	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	18	41	1
63–7300	Fender – R.H.	2	39	1
63–7310	Fender L.H.	1	20	1
63–7320	Cover – Tower Rear	2	32	1
63–7340	Wire – Ground	8	1	1
63–7340	Wire – Ground	4	2	1
63–7340	Wire – Ground	29	49	1
63–7380	Tank – Expansion	29	11	1
63–7400	Washer – Rebound	8	42	4
63–7410	Bracket – Bulkhead	11	37	1
63–7430	Gage – Temperature	3	15	1
63–7440	Solenoid – Stop	30	1	1
63–7590	Relay	23	47	2
63–7600	Hose – Fuel	13	23	1
63–7610	Hose	8	61	1
63–7620	Hose	23	19	1
63–7630	Hose	14	7	2
63–7630	Hose	23	42	1
63–7640	Sender – Fuel	14	6	1
63–7700	Asm – Frame, Screen	13	1	1
63–7710	Magnetic Strip	13	2	1
63–7730	Asm – Cable, Brake R.H.	5	16	1
63–7731	Asm – Cable, Brake L.H.	5	*	1
63–7790	Screw	30	13	10
63–7790	Screw	29	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	Asm – Lift Valve	12	*	1
63–7960	Valve – Lift	11	6	1
63–8050	Box – Control	2	40	1
63–8090	Asm – Lower Housing	15	1	1
63–8140	Pulley	29	28	1
63–8150	Key	30	41	1
63–8230	Angle – Clutch Anchor	30	16	2
63–8280	Asm – Head	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	10	29	4
63–9750	Mount	10	30	2
65–2740	Spacer	12	10	1
65–2750	Plunger	12	11	1
65–2760	Spring	12	12	1
65–2770	Washer	12	6	1
65–2930	Asm – Plug	12	13	1
65–2950	Spring	12	7	1
65–5100	Handle – Hood	1	2	1
66–1930	Nut – Lock	28	6	1
66–1940	Piston	28	5	1
66–2320	Mount – Engine	29	19	1
66–2360	Support – Muffler	30	6	2
66–2440	Plate – Reservoir	29	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	8	57	1
66–2720	Lever – Lift	11	4	1
66–2770	Tube – Cylinder	28	1	1
66–2800	Rod – Seat Support	23	10	1
66–2870	Cable – Hood Stop	30	8	1
66–2870	Cable – Hood Stop	2	45	1
66–2900	Tie Rod End	30	20	1
66–2910	Bumper – Rubber	30	17	2
66–2920	Washer – Friction	8	53	2
66–2940	Gage – Fuel	3	6	1
66–2950	Meter – Hour	3	14	1
66–2960	Cluster – Warning Light	3	5	1
66–2990	Cap – Spindle	26	14	2
66–3040	Cover – Tool Box	1	14	1
66–3050	Strip – Magnetic	1	15	1
66–3060	Dipstick – Differential	14	35	1
66–3100	Screw	30	29	1
66–3110	Hyd. Fitting	18	9	2
66–3130	Fitting – Tee	11	12	1
66–3160	Screw	30	48	1
66–3170	Hose	13	35	1
66–3180	Tube – Vent	13	20	1
66–3200	Tread – Foot Rest L.H.	1	29	1
66–3210	Tread – Foot L.H.	1	30	1
66–3240	Cap – Radiator	13	6	1
66–8110	Trim – Hood	1	8	1
66–8120	Standpipe	14	1	1
66–8140	Hose	21	11	1
66–8140	Hose	5	31	1
66–8150	Hose	21	6	1
66–8150	Hose – Hydraulic	11	14	1
66–8170	Hose	21	12	2
66–8170	Hose – Hydraulic	5	37	2
66–8180	Asm – Hose	13	10	1
66–8180	Hose	21	5	1
66–8190	Asm – Hose, Hydraulic	11	25	1
66–8190	Hose	21	3	1
66–8490	Asm – Hose	18	23	1
66–8490	Hose	21	10	1
66–8500	Asm – Hose	13	30	1
66–8500	Hose	21	8	1
66–8500	Hose	11	15	1
66–8620	Tube	21	9	1
66–8620	Tube Hydraulic (Pump–Str.)	5	33	1
66–8630	Tube	21	7	1
66–8630	Tube – Hydraulic (Str.–Lift)	5	32	1
66–8640	Asm – Hose, Hydraulic	11	33	1
66–8640	Hose	21	4	1
66–8690	Lamp Harness	4	4	1
66–8700	Indicator – Glow	29	32	1
66–8750	Decal – Control Levers	24	56	1
66–8760	Decal – Tower L.H.	2	33	1
66–8770	Decal – Tower R.H.	2	*	1
66–8800	Relay	24	50	1
66–9970	Kit – Spring	6	*	1
66–9980	Kit – Seal	6	*	1
66–9990	Kit – Needle Roller	6	*	1
67–1631	Spacer	30	30	1
67–1690	Fitting	24	68	2
67–1710	Decal – Interlock	23	48	1
67–1720	Decal – Caution	1	27	2
67–1750	Bushing	26	9	6
67–1800	Pivot Plate	30	37	1
67–1900	Screw – HH	18	43	1
67–2200	Seal	37	4	4
67–2210	Plug – Taper	40	36	3
67–2230	Seal – Oil	40	14	1
67–2250	Bolt	37	5	8
67–2260	Shaft–Idler	40	34	1
67–2270	Case – Oil Seal	40	15	1
67–2280	Gasket – Seal, Oil	40	13	1
67–2290	Cover	40	10	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
67–2300	Gasket	40	9	1
67–2310	Plate – Front	36	6	1
67–2320	Gasket – Plate	36	7	1
67–2330	Bolt	39	3	2
67–2330	Bolt	40	16	6
67–2330	Bolt	38	34	4
67–2330	Bolt	38	49	2
67–2340	Bolt W/Washer	36	3	3
67–2340	Bolt W/Washer	40	11	2
67–2340	Bolt W/Washer	38	17	4
67–2350	Plug – Expansion	40	25	1
67–2360	Bushing – Knock	40	26	2
67–2370	Bushing – Knock	40	32	1
67–2380	Bushing – Knock	40	27	3
67–2390	Plug – Taper	40	24	1
67–2410	Bearing Set 0.25 mm US	37	*	1
67–2420	Bearing Set 0.50 mm US	37	*	1
67–2430	Bracket – Starter	40	23	1
67–2440	Bolt W/Washer	40	22	3
67–2480	Gasket – Oil Pan	36	17	1
67–2500	Plunger – Relief	36	25	1
67–2510	Spring – Relief	36	26	1
67–2520	Plug	36	28	1
67–2530	Gear – Inner	36	12	1
67–2540	Gear – Outer	36	11	1
67–2550	Housing – Oil Pump	36	10	1
67–2560	Bolt W/Washer	36	9	3
67–2570	Plug – Taper	38	19	1
67–2570	Plug – Taper	36	29	1
67–2580	Gasket – Case	36	2	1
67–2590	Seal – Oil	36	23	1
67–2600	Bolt	39	5	1
67–2600	Bolt	36	21	3
67–2610	Bolt	39	9	2
67–2610	Bolt	36	22	4
67–2620	Bolt	36	24	1
67–2630	O–Ring	36	20	2
67–2640	Cap	36	30	1
67–2650	Asm – Oil Fill Cap	36	32	1
67–2660	O–Ring	36	31	1
67–2670	Hose – Breather	38	8	1
67–2680	Hanger – Engine	38	16	2
67–2700	Guide – Valve	38	42	6
67–2710	Cap – Sealing	38	41	3
67–2730	Bolt	38	43	8
67–2740	Bolt – Flange	38	15	3
67–2760	Gasket	38	14	1
67–2770	Nut – Cap	38	12	2
67–2780	Washer	38	13	2
67–2850	Asm – Rod, Connecting	34	9	3
67–2860	Bolt	34	12	6
67–2890	Bearing Set 0.25 mm US	34	*	3
67–2900	Bearing Set 0.50 mm US	34	*	3
67–2910	Gear	34	7	1
67–2930	Pulley – Crankshaft	34	19	1
67–2940	Nut – Jam	34	22	1
67–2950	Washer	34	20	1
67–2960	Washer – Lock	34	21	1
67–2970	Asm – Flywheel	34	13	1
67–2980	Gear – Ring	34	15	1
67–2990	Bolt	34	14	4
67–3000	Washer	37	10	2
67–3010	Cam Shaft	37	7	1
67–3020	Gear	37	12	1
67–3030	Bearing	37	9	2
67–3040	Plate	37	14	1
67–3050	Bearing	37	22	1
67–3060	Shaft	37	21	1
67–3070	Gear	37	17	1
67–3080	Snap Ring	37	23	1
67–3090	Asm – Gear	37	13	1
67–3100	Retainer	34	32	6
67–3110	Spring	34	31	6
67–3120	Tappet	34	6	6
67–3130	Valve – Intake	34	28	3
67–3140	Valve – Exhaust	34	29	3
67–3150	Rod–Push	34	5	6
67–3160	Arm–Rocker	34	1	6
67–3170	Spring	35	40	2
67–3180	Cap	34	34	6
67–3190	Asm – Rocker Shaft	34	38	1
67–3200	Stay – Rocker	34	35	3
67–3210	Screw – Adjusting	34	4	6
67–3220	Pin	34	37	1
67–3230	Nut – Jam	34	2	6
67–3240	Snap Ring	34	3	2
67–3250	Bolt – Rocker Stay	35	43	2
67–3260	Washer	45	3	1
67–3260	Washer	43	8	2
67–3260	Washer	35	41	3
67–3280	Shim 0.2 mm	40	38	1
67–3290	Shim 0.3 mm	40	*	1
67–3300	Shim 0.5 mm	40	*	1
67–3310	Shim 0.4 mm	40	*	1
67–3320	Shim 0.6 mm	40	*	1
67–3330	Shim 0.7 mm	40	*	1
67–3340	Shim 0.8 mm	40	*	1
67–3350	Shim 0.9 mm	40	*	1
67–3360	Shim 1.0 mm	40	*	1
67–3370	Bolt W/Washer	40	39	4
67–3380	Asm – Nozzle & Holder	40	6	1
67–3380	Asm – Nozzle and Holder	42	*	3
67–3390	Gasket – Nozzle Holder	40	7	3
67–3400	Asm – Pipe No. 1	40	42	1
67–3410	Asm – Pipe No. 2	40	43	1
67–3420	Asm – Pipe No. 3	40	1	1
67–3430	Nut	40	2	3
67–3440	Gasket	40	4	3
67–3460	Housing–Pump	42	9	1
67–3480	O–Ring	42	4	3
67–3490	Spring	42	5	3
67–3500	Valve	42	7	3
67–3520	Sleeve	42	10	3
67–3530	Seat – Spring Upper	42	11	3
67–3540	Spring	42	12	3
67–3550	Seat – Spring Lower	42	13	3
67–3560	Plate – Shim 1.85 mm	42	14	1
67–3570	Plate – Shim 1.9 mm	42	*	1
67–3580	Plate – Shim 1.95 mm	42	*	1
67–3590	Plate – Shim 2.0 mm	42	*	1
67–3600	Plate – Shim 2.05 mm	42	*	1
67–3610	Plate – Shim 2.1 mm	42	*	1
67–3620	Plate – Shim 2.15 mm	42	*	1
67–3630	Plate – Shim 2.2 mm	42	*	1
67–3640	Plate – Shim 2.25 mm	42	*	1
67–3650	Plate – Shim 2.3 mm	42	*	1
67–3660	Plate – Shim 2.35 mm	42	*	1
67–3670	Plate – Shim 2.4 mm	42	*	1
67–3680	Plate – Shim 2.45 mm	42	*	1
67–3690	Plate – Shim 2.5 mm	42	*	1
67–3700	Tappet	42	15	3
67–3710	Screw – Air Bleed	42	24	1
67–3720	Washer	42	23	1
67–3730	Screw	42	22	1
67–3740	Holder – Delivery Valve	42	3	3
67–3740	Nipple – Swivel	42	21	1
67–3750	Washer	42	20	2
67–3760	Plate – Lock	42	2	3
67–3770	Screw W/Washer	42	1	3
67–3780	Rack	42	19	1
67–3790	Screw	42	17	2
67–3800	Bracket – Wire Stop	42	18	1
67–3810	Pin – Tappet Guide	42	16	3
67–3830	Washer 1.25 mm	42	31	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
67–3840	Washer 1.3 mm	42	*	1
67–3850	Washer 1.35 mm	42	*	1
67–3860	Washer 1.4 mm	42	*	1
67–3870	Washer 1.45 mm	42	*	1
67–3880	Washer 1.5 mm	42	*	1
67–3890	Washer 1.55 mm	42	*	1
67–3900	Washer 1.6 mm	42	*	1
67–3910	Washer 1.65 mm	42	*	1
67–3920	Washer 1.7 mm	42	*	1
67–3930	Spring	42	30	3
67–3940	Pin – Pressure	42	29	3
67–3950	Piece – Distance	42	28	3
67–3960	Nozzle	42	27	3
67–3970	Nut – Retaining	42	25	3
67–3980	Gasket	42	26	3
67–3990	Lever – Speed Control	43	1	1
67–4000	Pin	43	2	2
67–4010	Stopper	43	15	1
67–4030	Rod – Tie	43	23	1
67–4040	Asm – Weight	43	13	1
67–4050	Shaft – Governor	43	19	1
67–4060	Lever – Governor	43	18	1
67–4070	Shaft – Sliding	43	16	1
67–4080	Clip	43	24	1
67–4090	Lever – Tension	43	21	1
67–4120	Pin – Grooved	43	35	1
67–4140	Lever – Stop	43	11	1
67–4150	Lever – Stop	43	40	1
67–4160	Gasket	43	5	1
67–4270	Bolt	43	3	4
67–4280	Bolt W/Washer	43	17	1
67–4290	Nut	43	34	1
67–4310	Gasket	34	23	1
67–4330	Asm – Oil Filter	40	40	1
67–4340	Asm – Screen	40	31	1
67–4350	Switch – Oil Pressure	39	8	1
67–4360	Pulley – Water Pump	39	1	1
67–4380	Asm – Water Pump	39	6	1
67–4390	Gasket – Water Pump	39	7	1
67–4400	Bolt	38	1	2
67–4400	Bolt	39	4	1
67–4410	V–Belt	39	2	1
67–4420	Fitting – Water	38	46	1
67–4430	Gasket – Fitting	38	45	1
67–4440	Thermostat	38	38	1
67–4450	Fitting – Thermostat	38	32	1
67–4460	Gasket – Switch	38	31	1
67–4470	Bolt	38	33	1
67–4480	Pipe – By–Pass	38	37	1
67–4490	Gasket	38	30	1
67–4500	Switch – Thermo	38	29	1
67–4510	Gauge Nut – Temperature	38	35	1
67–4550	Gasket–Intake Manifold	38	44	1
67–4560	Manifold – Exhaust	38	24	1
67–4570	Gasket – Exhaust Manifold	38	26	1
67–4580	Bolt	38	22	2
67–4590	Bolt	38	23	4
67–4610	Bolt W/Washer	44	2	2
67–4620	Spacer	45	21	1
67–4630	Asm – Alternator	45	1	1
67–4640	Bolt	45	22	1
67–4660	Bolt – Flange	45	26	1
67–4670	Nut	45	2	1
67–4680	Plug – Glow	38	39	3
67–4690	Plate – Glow Plug	38	40	1
67–4700	Lamp – Glow	38	27	1
67–4720	Lever	44	4	1
67–4730	Spring Set	44	5	1
67–4750	Switch	44	7	1
67–4760	Asm – Shaft	44	15	1
67–4770	Pinion Set	44	14	1
67–4780	Gear Set	44	12	1
67–4790	Shaft	44	11	1
67–4800	Yoke	44	20	1
67–4810	Pulley Set	45	16	1
67–4820	Bolt Set	45	20	1
67–4830	Asm – Front Bracket	45	15	1
67–4840	Screw Set	45	18	1
67–4850	Bearing – Front	45	19	1
67–4860	Asm – Rotor	45	7	1
67–4870	Bearing – Rear	45	6	1
67–4880	Stator	45	10	1
67–4890	Asm – Rear Cover	45	9	1
67–4900	Terminal Set	45	11	1
67–4910	Asm – Regulator	45	12	1
67–4920	Brush	45	13	2
67–4930	Rectifier	45	8	1
67–5040	Spring	43	20	1
67–7050	Asm – Field Rotor	33	1	1
67–7060	Ring – Retaining	33	8	1
67–7070	Asm – Armature & Pulley	33	5	1
67–7080	Collar – Bearing	33	6	1
67–7090	Bearing – Pulley	33	7	1
67–7100	Plate – Brake	33	11	1
67–7120	Fusible Link	4	5	1
67–7160	Fuse Block	23	1	1
67–7180	Wire – Seat	4	9	1
67–7250	Spacer Cyl.	26	39	1
67–7300	Screw – HH	26	36	1
67–9410	Washer – Flat	27	52	1
68–5140	Cap – Steering Wheel	5	7	1
68–5370	Decal – Toro	5	40	1
68–7370	Wire – Glow	4	11	1
68–7380	Asm – Connector	4	*	1
68–9400	Nut – Hex.	30	5	4
69–4780	Clamp – Gauge	3	18	1
70–7530	Spring – Compression	11	3	1
70–8530	Wire – Fuel Pump	41	46	1
70–8560	Retainer – Glow Plug	29	30	1
70–8700	Pipe – Fuel Return	40	3	1
70–8720	Spring – Tie Rod	43	22	1
70–8760	Asm – Starter	44	1	1
70–8770	Bracket – Front	44	3	1
70–8780	Bracket – Center	44	6	1
70–8870	Guide – Oil Level	40	8	1
70–8880	Dipstick	40	5	1
71–1520	Cap – Reservoir	29	44	1
71–2910	Angle – Engine Mount	29	17	1
71–3384	Hose	13	9	1
71–3500	Lever – Throttle	8	55	1
71–4540	Washer – Thrust	26	2	1
72–4320	Switch	24	57	1
72–6140	Cover – Rear	45	27	1
72–6950	Retainer – Oil Guide	41	44	1
72–9420	Asm – Vent	16	40	1
74–0720	Tube – Manual	25	1	1
75–0560	Wheel – Steering	5	6	1
75–4900	Bearing Set STD	37	3	1
75–4910	Asm – Oil Pan	36	14	1
75–4930	Asm – Cylinder Head	38	28	1
75–4940	Brace – Alternator	45	23	1
75–4970	Element	42	8	3
75–4980	Lever – Governor Spring	43	7	1
75–4990	Spring – Governor	43	25	1
75–5000	Body	42	32	3
75–5010	Bearing Set STD	34	8	3
75–5020	Asm – Injector Pump	42	*	1
75–5020	Asm – Injector Pump	40	41	1
75–5040	Kit – Gasket	36	*	1
75–5050	Ring Set STD	34	11	3
75–5060	Ring Set 0.25 mm OS	34	*	3
75–5070	Ring Set 0.50 mm OS	34	*	3
75–5080	Piston & Pin Set STD	34	10	3
75–5090	Piston & Pin Set	34	*	3

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
75–5100	Piston & Pin Set	34	*	3
75–5110	Asm – Cover	34	24	1
75–5120	Gasket	35	45	1
75–6880	Spark Arrester Screen	30	*	1
76–1000	Cable – Throttle	8	59	1
76–2070	Cylinder – Steering	26	40	1
76–2080	Asm – Piston Rod	28	4	1
76–2090	Kit – Seal	28	2	1
76–2790	Gland	28	3	1
76–2970	Bushing	27	55	2
76–2980	Washer – Thrust	27	54	1
76–3000	Axle–Rear	26	37	1
76–4790	Pad – Rubber	1	11	1
76–4810	Pivot – Steering	26	28	1
76–4830	Rod – Tie	11	18	1
76–8750	Plate – Warning	13	12	1
77–0550	Tube – Fill	16	44	1
80–3330	Gasket	24	86	1
80–3330	Gasket	24	86	1
82–2310	Asm – Radiator	13	26	1
82–8530	Fitting	18	26	1
82–8950	Foam	2	51	2
83–9150	Decal – Starting Fluid	23	23	1
84–1870	Bracket	29	23	1
84–1880	Fan – Cooling	29	1	1
84–1890	Pulley – Fan	29	2	1
84–1910	Muffler	30	3	1
84–1930	Hub – Fan	29	3	1
84–1940	Hub	29	7	1
84–1960	Decal – Service	1	18	1
84–7580	Plate – Support, Bushing	10	13	1
84–7660	Clamp – Column	5	44	1
84–7670	Foam – Column Support	5	43	2
84–8600	Brake Shoe Set	17	16	1
85–4980	Switch – PTO	3	3	1
85–7540	Wire Harness	4	3	1
85–7560	Plate – Control Panel	3	16	1
86–7220	Gear – Spur	18	36	1
86–7230	Gear – Spur	15	17	1
86–7470	Diode	4	6	1
86–7930	Asm – Upper Housing	15	22	1
86–9640	Asm – Axle	14	22	1
92–0845	Crankshaft	34	16	1
92–0846	Asm – Cover	38	6	1
92–0847	Cap – Oil Filler	38	11	1
92–1773	Screw – HH	15	14	4
92–1774	Oil Seal	17	2	2
92–4848	Asm – Gear & Pinion	16	*	1
92–4909	Asm – Differential Carrier	16	*	1
92–5076	Adapter – Filter	18	45	1
92–5077	Bracket – Footrest	7	27	1
92–5082	Hose	21	1	2
92–5082	Hose	18	35	2
92–5083	Hose	21	2	1
92–5083	Hose – Hydraulic	16	41	1
92–5083	Hose – Hydraulic	19	49	1
92–5085	Union Filter	18	32	1
92–5086	Fitting – Hydraulic 45˚	18	47	1
92–5087	Seal – Adapter, Filter	18	33	1
92–5088	Fitting – 45˚	16	30	1
92–5512	Fitting – Hydraulic, Straight	19	52	2
92–5513	Transmission	18	6	1
92–5514	Footrest	7	30	1
92–5534	Shaft – Traction Pedal	7	26	1
92–5537	Pin – Pedal Pivot	7	8	1
92–5540	Tread – Foot R.H.	1	31	1
92–5545	Cover – Tower Front	2	36	1
92–5548	Shield – Pedal Stop	2	53	1
92–5709	Housing	20	6	1
92–5716	Center Section	20	39	1
92–5717	Plug – Pipe	20	40	1
92–5750	Pad – Footrest	7	31	1
92–5753	R–Clamp	8	60	1
92–5757	Asm – Radiator Support	13	5	1
92–5759	Plate – Seat	23	9	1
92–5772	Decal Traction Pedal	2	38	1
92–6501	Asm – Tool Box	1	19	1
92–6503	Asm – Shroud, Fan	13	19	1
92–7308	Valve – Power Steering	5	3	1
92–7310	Bolt – Special	6	36	4
92–7314	Asm – Column	6	*	1
92–7315	Seal	6	28	1
92–7316	Nut – Push On	6	38	4
92–7317	Foam	6	39	1
92–7892	Bracket – Seat Switch	24	51	1
92–8751	Bracket – Bearing	10	12	1
92–8775	Kit – Gasket, Liquid	17	*	1
92–8797	Decal – Caution	1	17	1
92–8799	Bearing	30	33	1
92–8799	Bearing – Shaft	10	14	1
92–8854	Bracket – Pivot	7	7	1
92–8855	Shaft – Power Take Off	10	7	1
92–8873	Tank – Fuel	14	39	1
92–8876	Belt – Fan	29	29	1
92–8877	Frame – Seat	24	55	1
92–9786	Carrier Bracket	14	33	2
92–9788	Asm – Pivot Pin	14	25	2
93–0307	Nut – Retainer, Lock	27	57	2
93–0309	Washer – Tab	26	22	2
93–3102	Cap – Fuel	14	11	1
93–3186	Decal – GM 223–D	1	5	2
93–3192	Decal – Hood R.H.	1	*	1
93–3193	Decal – Hood L.H.	1	7	1
93–3195	Spindle – Wheel L.H.	26	17	1
93–3196	Spindle – Wheel R.H.	26	35	1
93–4133	Lip Seal	20	9	1
93–6125	Ring – Retaining	18	37	1
93–6668	Decal – Battery Charging	8	82	1
93–6680	Decal – Diesel Fuel (Europe)	23	16	1
93–6681	Decal – Warning (Europe)	13	12	1
93–7252	Decal – CE (Europe)	2	61	1
93–7275	Decal – Starting Fluid	23	23	1
93–7276	Decal – Danger (Europe)	8	81	1
93–7805	Decal – Warning (Europe)	1	17	1
93–7822	Decal – Refueling (Europe)	1	16	1
93–7823	Decal – Oil (Europe)	2	34	1
93–7830	Decal – Torque (Europe)	1	27	1
93–7833	Decal – Control Levers	24	56	1
93–7834	Decal – Traction Pedal	2	38	1
93–7835	Panel – Control (Europe)	3	1	1
93–7840	Decal – Radiator Cap	13	*	1
93–8473	Bracket – Latch, RH	2	*	1
93–8474	Bracket – Latch, LH	2	63	1
93–8742	Foot Pad – Brake (Europe)	5	28	2
93–9940	Hose – Upper	13	18	1
93–9949	Guard – Fan	32	7	1
93–9990	Guard – Flywheel	32	3	1
93–9991	Bracket	30	10	1
93–9991	Bracket – Clutch Anchor	32	1	1
93–9992	Screw – HH	32	6	1
93–9997	Guard – Flywheel	32	5	1
94–1257	Asm – Block	37	1	1
94–1258	Gasket – Cylinder Head	38	25	1
94–1259	Case	36	1	1
94–2975	Shaft – Seal	20	34	1
94–2976	Ring – Retaining	20	50	1
94–3307	Pad – Traction Pedal Front	7	1	1
94–3308	Pad – Traction Pedal Rear	7	3	1
94–3309	Hose – Air Cleaner Inlet	23	21	1
94–3533	Asm – Cover, Intake	38	5	1
94–3591	Pedal – Traction	7	2	1
94–3827	Spring – Return	43	41	1
94–6934	Screw – HH	17	21	8
94–6935	Nut – Lock, Flange Hd.	17	12	8

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
94–6936	Washer – Flat	17	23	8
94–7343	Base – Battery	8	6	1
94–9432	Engine	29	18	1
95–1592	Angle – Base, Battery	8	84	1
95–1599	Bracket – Base, Battery	9	85	1
95–1821	Spring	5	12	1
95–3074	Kit – 400 Hour Filter	19	*	1
95–3074	Kit – 400 Hour Filter	24	*	1
95–3074	Kit – 400 Hour Filter	41	*	1
95–3074	Kit – 400 Hour Filter	9	*	1
95–6270	Bracket – Mount, Engine	2	66	3
95–6271	Bracket – Mount, Engine	2	67	1
95–6280	Asm – Frame	2	35	1
95–9605	Bolt – Speed Set	43	33	1
217–116	Rim – 23” x 10.5” x 12”	14	*	2
217–117	Rim	14	19	2
217–118	Rim	26	19	2
218–446	Nut – Hex.	3	9	1
218–447	Washer – Lock	3	8	1
218–461	Nut – Jam	24	64	2
218–473	Boot – Switch	3	11	1
218–497	Nut – Face	3	12	1
218–573	Fuse 5.0A	4	8	2
218–574	Fuse 7.5A	4	7	1
218–579	Wire – Fuel Pump	41	47	1
219–17	Bulb – Light	4	*	4
231–95	Tire – 23” x 10.5” x 12”	14	*	2
231–101	Tire	14	18	2
231–105	Tire	26	18	2
232–27	Valve Stem w/Cap	14	21	2
232–35	Stem – Valve	26	26	2
233–17	Knob	5	8	1
233–39	Knob	11	5	1
233–39	Knob	8	54	1
237–7	O–Ring	24	62	1
237–21	O–Ring	26	47	2
237–22	O–Ring	11	11	9
237–22	O–Ring	18	25	1
237–22	O–Ring	5	38	2
237–30	O–Ring	5	36	2
237–30	O–Ring	24	58	1
237–42	O–Ring	18	7	4
237–42	O–Ring	11	9	6
237–78	O–Ring	11	28	2
237–78	O–Ring	26	45	2
237–78	O–Ring	19	51	3
237–78	O–Ring	19	52	3
237–79	O–Ring	18	46	2
237–136	Grommet	14	12	3
241–119	Cap – Hub	26	25	2
242–34	Stud – Axle Flange	17	9	10
2411–36	End – Rod	7	18	1
2412–4	R–Clamp	18	40	1
2412–34	Clamp – Hose	13	17	4
2412–34	Clamp – Hose	16	42	2
2412–36	Clamp	5	34	2
2412–36	Clamp	14	37	1
2412–36	Clamp – Hose	11	13	3
2412–42	Clamp – Hose	23	22	1
2412–74	R–Clamp	24	52	1
2412–92	Clamp – Hose	24	73	1
2412–103	R–Clamp	13	22	2
2412–104	R–Clamp	8	73	1
2412–107	R–Clamp	24	71	1
2412–108	Clamp	14	2	4
2412–108	Clamp	8	52	2
2412–108	Clamp – Hose	13	7	8
2412–108	Clamp – Hose	23	41	4
2412–108	Hose Clamp	18	34	4
2412–119	Clamp – Hose	18	48	1
2412–119	Clamp – Hose	16	47	1
2412–133	R–Clamp	25	2	2
2412–147	R–Clamp	14	9	1
251–77	Collar – Locking	31	55	1
251–77	Collar – Locking	10	16	1
251–259	Bearing – Ball	22	23	1
253–129	Seal – Hub	26	27	2
254–65	Cone – Tapered, Bearing	16	33	2
254–66	Cup – Tapered, Bearing	16	32	2
254–72	Cup – Bearing	26	20	4
254–90	Cup – Bearing	15	24	1
254–91	Cone – Bearing	15	25	1
254–94	Cone – Bearing	26	21	4
256–42	Bushing	5	27	4
256–121	Washer – Thrust	26	16	2
256–156	Bushing – Flange	7	10	2
256–299	Bushing	30	36	2
282–27	Clevis	11	22	1
283–16	Pin – Clevis	11	19	1
283–49	Pin – Clevis	23	8	2
283–58	Pin – Clevis	5	17	4
283–58	Pin – Clevis	11	23	1
283–58	Pin – Clevis	2	44	1
283–58	Pin – Clevis	31	52	1
285–17	Plug – Pipe	20	28	4
289–6	Nipple – Pipe	16	45	1
2810–1	Coupler	16	46	1
302–5	Fitting – Grease	26	11	3
302–5	Fitting – Grease	5	30	2
302–5	Fitting – Grease	30	32	1
302–40	Fitting – Grease	31	51	1
302–58	Fitting – Grease	10	19	1
302–62	Fitting – Grease	26	50	1
304–46	Drain Cock	13	28	1
304–46	Fitting – Drain	14	36	1
304–99	Fitting – 90˚ Elbow	11	27	2
321–3	Screw – HFH	30	14	2
321–3	Screw – HH	32	2	2
321–3	Screw – HH	1	4	7
321–3	Screw – HH	5	21	1
321–3	Screw – HH	29	37	4
321–4	Screw – HH	26	8	1
321–4	Screw – HH	8	9	4
321–4	Screw – HH	23	12	4
321–4	Screw – HH	13	16	4
321–4	Screw – HH	22	21	2
321–4	Screw – HH	29	35	1
321–4	Screw – HH	11	38	2
321–4	Screw – HH	2	54	2
321–5	Screw – HH	14	16	3
321–6	Screw – HH	24	69	1
321–8	Screw – HH	23	38	2
321–9	Screw – HH	22	3	2
321–11	Screw – HH	11	16	2
322–3	Screw – HH	14	8	1
322–3	Screw – HH	8	37	1
322–3	Screw – HH	24	72	4
322–3	Screw – HH	9	88	2
322–4	Screw	29	6	2
322–5	Screw	25	3	2
322–5	Screw – HH	5	4	2
322–5	Screw – HH	10	9	4
322–5	Screw – HH	23	32	5
322–5	Screw – HH	8	39	8
322–6	Screw – HH	31	50	1
322–6	Screw – HH	8	83	3
322–9	Screw – HH	10	24	4
322–11	Screw – HH	29	21	1
322–13	Screw – HH	23	5	6
322–14	Screw – HH	24	84	2
322–17	Screw – HH	22	18	1
323–6	Screw – HH	29	25	1
323–6	Screw – HH	2	64	4
323–8	Screw – HH	8	3	2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
323–8	Screw – HH	29	26	1
323–8	Screw – HH	20	29	2
323–10	Screw – HH	10	28	2
323–10	Screw – HH	20	43	4
323–11	Screw – HH	8	41	3
323–18	Screw – HH	10	1	1
323–29	Screw – HH	7	17	1
323–34	Screw – HH	30	43	1
323–39	Screw – HH	18	28	3
324–5	Screw – HH	14	24	4
324–23	Screw – HH	20	35	2
325–5	Screw – HH	26	6	2
328–25	Screw – HH	26	41	1
3210–5	Screw – HH	18	12	4
3210–7	Screw – HH	22	4	1
3210–7	Screw – HH	15	23	8
3210–8	Screw – HH	18	24	2
3212–5	Screw	30	25	1
3213–3	Screw – HH	2	68	8
3216–3	Screw – HH	11	32	2
3217–5	Nut – Hex.	29	47	1
3217–16	Nut – Hex.	22	11	2
3217–25	Nut – Hex.	3	23	2
3217–29	Nut – Hex.	13	37	2
3218–3	Nut – Jam	18	42	2
3218–19	Nut – Jam	3	4	2
3219–2	Nut	15	2	8
3219–2	Nut – Hex.	22	6	1
3219–6	Nut – Hex.	14	31	4
3219–14	Nut – Hex.	3	26	9
3220–2	Nut – Jam	30	21	1
3220–2	Nut – Jam, RH Thread	11	21	1
3220–3	Nut – Jam	7	16	1
3220–3	Nut – Jam	26	43	8
3220–5	Nut – Jam R.H.	26	33	2
3220–6	Nut	6	27	1
3220–6	Nut –Hex.	5	5	1
3220–7	Nut – Jam	26	23	2
3220–7	Nut – Jam	19	50	1
3220–12	Nut – Jam L.H.	26	31	2
3230–2	Bolt – Carriage	29	13	1
3230–2	Bolt – Carriage	7	25	2
3230–2	Bolt – Carriage	22	12	2
3230–4	Bolt – Carriage	10	11	2
3230–4	Bolt – Carriage	30	35	2
3230–23	Bolt – Carriage	29	9	2
3230–23	Bolt – Carriage	1	28	4
3234–5	Screw – HFH	13	8	8
3234–13	Screw – HF	1	24	8
3234–13	Screw – HFH	26	12	2
3234–13	Screw – HFH	8	74	1
3234–14	Screw – HF	1	21	8
3234–17	Screw – HFH	13	4	2
3234–17	Screw – HFH	23	15	2
3234–25	Screw – HFH	26	1	4
3234–29	Screw – HFH.	30	7	1
3234–30	Screw – HH	9	86	2
3241–6	Screw – Set	18	13	2
3245–35	Screw – Set	10	27	1
3245–35	Screw – Set	31	56	1
3249–3	Screw – Rd. Hd.	13	36	2
3249–11	Screw – Round Hd.	22	8	2
3250–39	Screw – Pan Head	30	18	2
3253–2	Washer – Lock	3	27	10
3253–3	Washer – Lock	11	8	2
3253–3	Washer – Lock	8	10	4
3253–3	Washer – Lock	23	13	2
3253–3	Washer – Lock	14	15	3
3253–3	Washer – Lock	29	36	5
3253–4	Washer – Lock	10	10	4
3253–4	Washer – Lock	24	85	2
3253–4	Washer – Lock	9	87	2
3253–7	Washer – Lock	2	69	8
3253–8	Washer – Lock	14	13	4
3253–15	Washer – Lock	14	5	5
3253–21	Washer – Lock	10	2	1
3253–21	Washer – Lock	8	15	2
3253–21	Washer – Lock	18	31	4
3254–2	Washer – Lock, Int. Tooth	29	48	1
3254–9	Washer – Lock, Int. Tooth	22	10	2
3254–20	Washer – Lock, Int. Tooth	3	25	1
3255–8	Washer – Lock	15	3	8
3255–8	Washer – Lock	1	12	4
3255–8	Washer – Lock	8	46	1
3255–8	Washer – Lock, Ext. Tooth	23	39	1
3255–20	Washer – Lock, Ext. Tooth	3	22	2
3256–1	Washer – Flat	3	21	4
3256–14	Washer – Flat	3	28	4
3256–22	Washer – Flat	11	7	2
3256–22	Washer – Flat	13	15	4
3256–22	Washer – Flat	23	18	9
3256–22	Washer – Flat	5	35	3
3256–22	Washer – Flat	26	51	1
3256–23	Washer – Flat	25	4	2
3256–23	Washer – Flat	11	1	1
3256–23	Washer – Flat	5	1	4
3256–23	Washer – Flat	23	3	6
3256–23	Washer – Flat	22	19	2
3256–23	Washer – Flat	30	19	4
3256–23	Washer – Flat	29	20	1
3256–23	Washer – Flat	5	42	2
3256–24	Washer – Flat	23	7	1
3256–24	Washer – Flat	7	12	1
3256–24	Washer – Flat	30	22	2
3256–24	Washer – Flat	29	27	1
3256–24	Washer – Flat	18	44	1
3256–24	Washer – Flat	27	56	2
3256–24	Washer – Flat	8	4	4
3256–25	Washer – Flat	14	23	4
3256–26	Washer – Flat	11	2	2
3256–26	Washer – Flat	18	2	1
3256–26	Washer – Flat	5	14	1
3256–27	Washer – Flat	23	45	1
3256–40	Washer – Flat	2	70	8
3256–67	Washer – Flat	14	14	3
3256–69	Washer – Flat	5	45	A/R
3256–69	Washer – Flat	24	77	1
3256–71	Washer – Flat	18	21	4
3257–5	Key – Woodruff	10	6	1
3257–5	Key – Woodruff	20	11	2
3258–19	Screw – HH	23	30	2
3269–10	Washer – Flat	13	29	3
3269–13	Rivet	13	31	3
3272–4	Pin – Cotter	24	75	2
3272–5	Pin – Cotter	5	13	3
3272–5	Pin – Cotter	11	20	1
3272–6	Pin – Cotter	7	14	1
3272–10	Pin – Cotter	18	4	1
3272–10	Pin – Cotter	7	9	2
3272–10	Pin – Cotter	5	18	5
3272–10	Pin – Cotter	11	39	1
3272–10	Pin – Cotter	2	46	1
3272–10	Pin – Cotter	31	53	1
3272–11	Pin – Cotter	23	6	2
3272–13	Pin – Cotter	26	24	2
3272–15	Pin – Cotter	10	26	1
3272–17	Pin – Cotter	14	32	2
3272–23	Pin – Cotter	11	29	4
3273–38	Screw – HSH	14	34	4
3274–32	Screw – HSBH	1	13	4
3274–65	Screw – HSBH	3	2	4
3290–255	Pin – Hair, Cotter	23	11	1
3290–271	Rivet	13	13	2
3290–271	Rivet	2	48	4

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
3290–359	Screw – Machine	1	9	4
3290–378	Tie – Cable	8	75	1
3290–378	Tie – Cable	24	61	1
3296–2	Nut – Lock	3	19	1
3296–6	Nut – Lock	33	9	3
3296–9	Nut – Lock	30	15	2
3296–12	Nut – Hex.	2	49	4
3296–12	Nut – Lock	24	49	4
3296–15	Nut – Lock	11	24	2
3296–20	Nut – Lock	5	2	4
3296–25	Nut – Lock	26	4	2
3296–29	Nut – Lock	30	9	1
3296–29	Nut – Lock	5	10	2
3296–29	Nut – Lock	29	12	3
3296–29	Nut – Lock	22	20	3
3296–29	Nut – Lock	10	21	4
3296–29	Nut – Lock	8	25	8
3296–29	Nut – Lock	11	40	1
3296–39	Nut – Lock	10	8	2
3296–39	Nut – Lock	7	21	1
3296–39	Nut – Lock	29	22	2
3296–39	Nut – Lock	8	24	3
3296–39	Nut – Lock	18	39	2
3296–42	Nut – Lock	22	1	4
3296–42	Nut – Lock	23	4	3
3296–42	Nut – Lock	32	4	2
3296–42	Nut – Lock	26	5	1
3296–42	Nut – Lock	13	11	4
3296–42	Nut – Lock	30	11	2
3296–42	Nut – Lock	5	25	1
3296–42	Nut – Lock	11	34	2
3296–48	Nut – Lock	14	17	4
3296–51	Nut – Lock	26	29	1
3296–59	Nut – Lock	30	23	1
32105–1	Screw	3	17	1
32105–8	Screw	29	45	2
32105–13	Screw – HH	23	2	4
32107–11	Nut – Square	23	28	2
32120–10	Ring – Retaining	29	4	1
32121–6	Pin – Roll	7	4	1
32121–6	Pin – Roll	23	46	1
32121–15	Pin – Roll	16	34	1
32121–32	Pin – Roll	30	39	1
32121–34	Pin – Roll	10	23	1
32121–49	Pin – Spring	14	26	2
32121–50	Pin – Roll	5	24	1
32121–50	Pin – Roll	7	32	1
32121–71	Pin – Spring	14	27	2
32121–91	Pin	20	14	3
32122–24	Screw – Machine	14	4	5
32128–20	Nut – Flange	29	8	3
32128–20	Nut – Flange	1	25	4
32128–20	Nut – Flange	23	26	9
32128–20	Nut – Flange	8	72	5
32128–20	Nut – Lock	13	3	6
32128–20	Nut – Lock	14	10	1
32128–28	Nut – Lock	31	54	1
32128–33	Nut – Flange	1	6	13
32128–33	Nut – HFH	24	76	2
32128–44	Nut – Flange, Lock	7	28	2
32128–45	Nut – HFH	26	49	1
32128–56	Nut – Flange	7	24	2
32144–1	Screw – HH	3	20	2
32144–21	Screw – PPH	5	41	1
32148–6	Nut – Clinch	24	78	6
32148–7	Nut – Clinch	2	59	22
32148–8	Nut – Clinch	8	80	6
32148–9	Nut – Clinch	2	58	3
32148–9	Nut – Clinch	24	79	2
32148–10	Nut – Clinch	2	60	10
32148–11	Nut – Clinch	11	41	2
32148–11	Nut – Clinch	8	77	2
32148–33	Nut – Flange Head	8	78	1
32149–1	Nut – Keps	30	31	2
32149–1	Nut – Lock	10	15	2
32149–7	Nut – Keps	29	46	2
32151–36	Ring – Retaining	26	15	2
32151–46	Ring – Retaining	20	1	2
32151–77	Ring – Retaining	27	53	1
32151–83	Snap Ring	30	47	2
32152–5	Nut – Lock	18	14	6
32153–2	Nut – Lock (Europe)	2	62	4
32153–6	Nut – Hex Lock	26	38	1
340–2	Fitting – Straight	11	10	1
340–70	Nut – Fitting	11	35	1
340–71	Fitting – Bulkhead	11	36	1
340–77	Fitting – 90˚ Elbow	11	*	1
340–77	Fitting – 90˚ Elbow	11	17	2
340–86	Fitting – Tee	11	26	1
340–92	Fitting – Straight	26	46	1
340–103	Fitting – 45˚ Elbow	26	44	1
353–508	Asm – Plug	12	14	1
353–781	Fitting 90°	8	11	1
353–783	Fitting – Straight	8	44	1
353–979	Hose Barb	18	8	1
353–988	Plug – Hydraulic	19	55	1
353–990	Plug – Hydraulic	19	56	1
354–20	Block	13	32	1
354–21	Fitting	13	34	1
354–22	Fitting	13	33	2
354–71	Pipe Nipple	16	43	1

*Not Illustrated

PRODUCT CHANGES

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

IDENTIFICATION AND ORDERING

MODEL AND SERIAL NUMBERS

The Groundsmaster 223D has two identification numbers; a model number and a serial number. The two numbers are stamped on a plate which is located on the main frame under the footrest. In any correspondence concerning the Groundsmaster 223D, supply model and serial numbers to assure that correct information and replacement parts are obtained.

To order replacement parts from an Authorized TORO Service Dealer, supply the following information:

1. Model and serial number of the Groundsmaster 223D.
2. Part number, description, and the quantity of part(s) desired.

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

TABLE OF CONTENTS

Description	Page
Body Assembly	1−2
Control Panel Assembly	3
Electrical Schematic	4
Power Steering & Brake Pedal Assembly	5
Steering Valve Assembly No. 92−7308	6
Traction Pedal Assembly	7
Battery & Engine Mount Assembly	8−9
Drive Shaft & Power−Take−Off Assembly	10
Hydraulic Lift System Assembly	11
Lift Valve Assembly No. 63−7960	12
Radiator Assembly	13
Fuel Tank and Axle Assembly	14
Differential Assembly	15−16
Brake Assembly	17
Transmission & Drive Coupling Assembly	18−19
Transmission Assembly No. 92−5513	20
Hydraulic Schematic	21
Transmission Interlock Assembly	22
Seat Frame & Air Cleaner Assembly	23−24
Manual Storage	25
Rear Axle Assembly	26−27
Hydraulic Steering Cylinder No. 76−2070	28
Engine Assembly	29
Power Take−Off Assembly	30−31
CE Engine Component Assembly (Europe)	32
Clutch Assembly No. 63−6050	33
Valves & Crankshaft Assembly	34−35
Crankcase Assembly	36
Camshaft Assembly	37
Cylinder Head Assembly	38
Water Pump Assembly	39
Fuel Supply & Engine Block Assembly	40−41
Fuel Injection Pump Assembly	42
Governor Assembly	43
Starter Assembly	44
Alternator Assembly	45
Part Number Index	46−54

MAINTENANCE RECORD

Date								