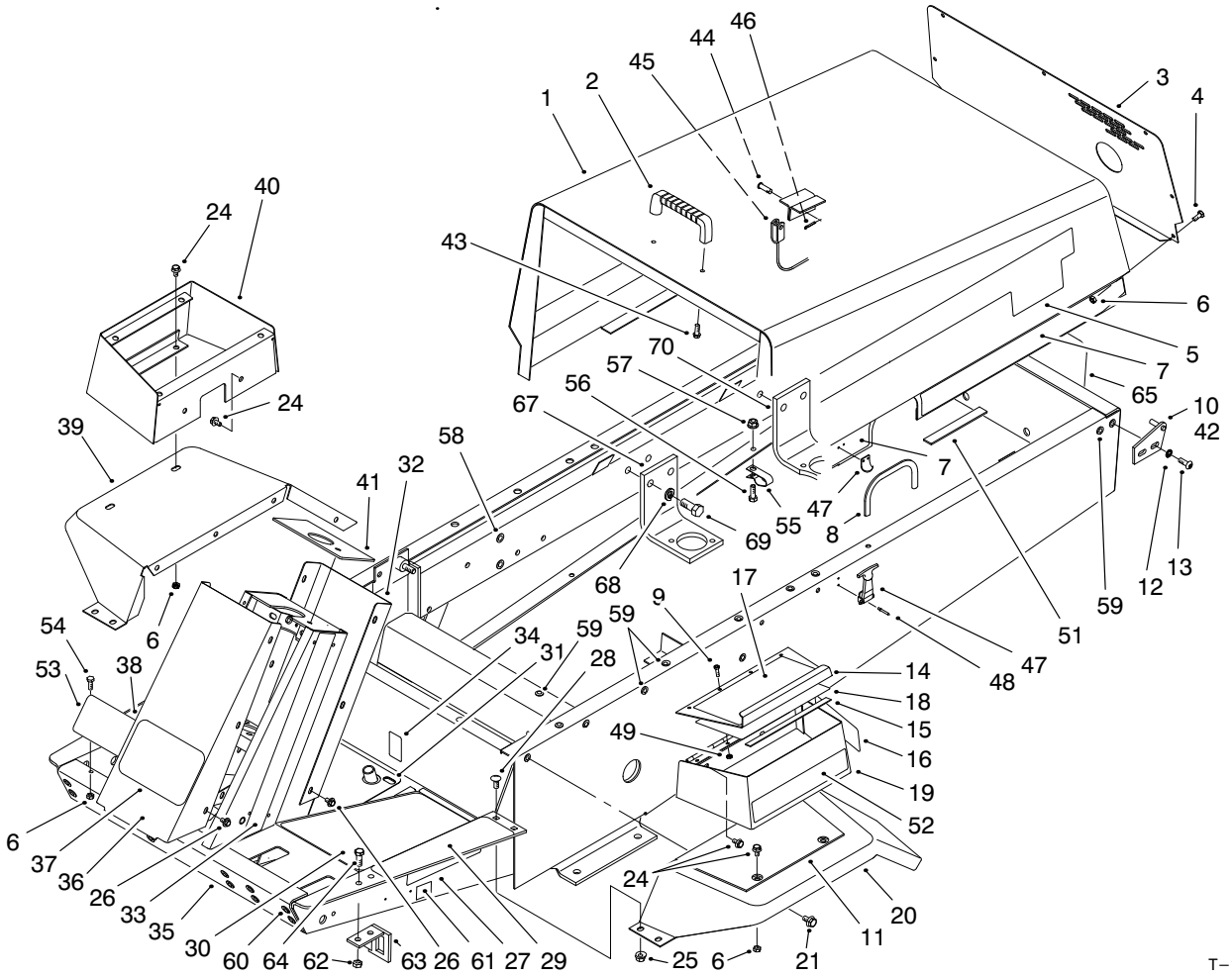
TORO®

MODEL NO. 30243–80001 & UP
MODEL NO. 30243TE–80001 & UP

PARTS CATALOG

GROUNDSMASTER® 223–D 4wd
TRACTION UNIT



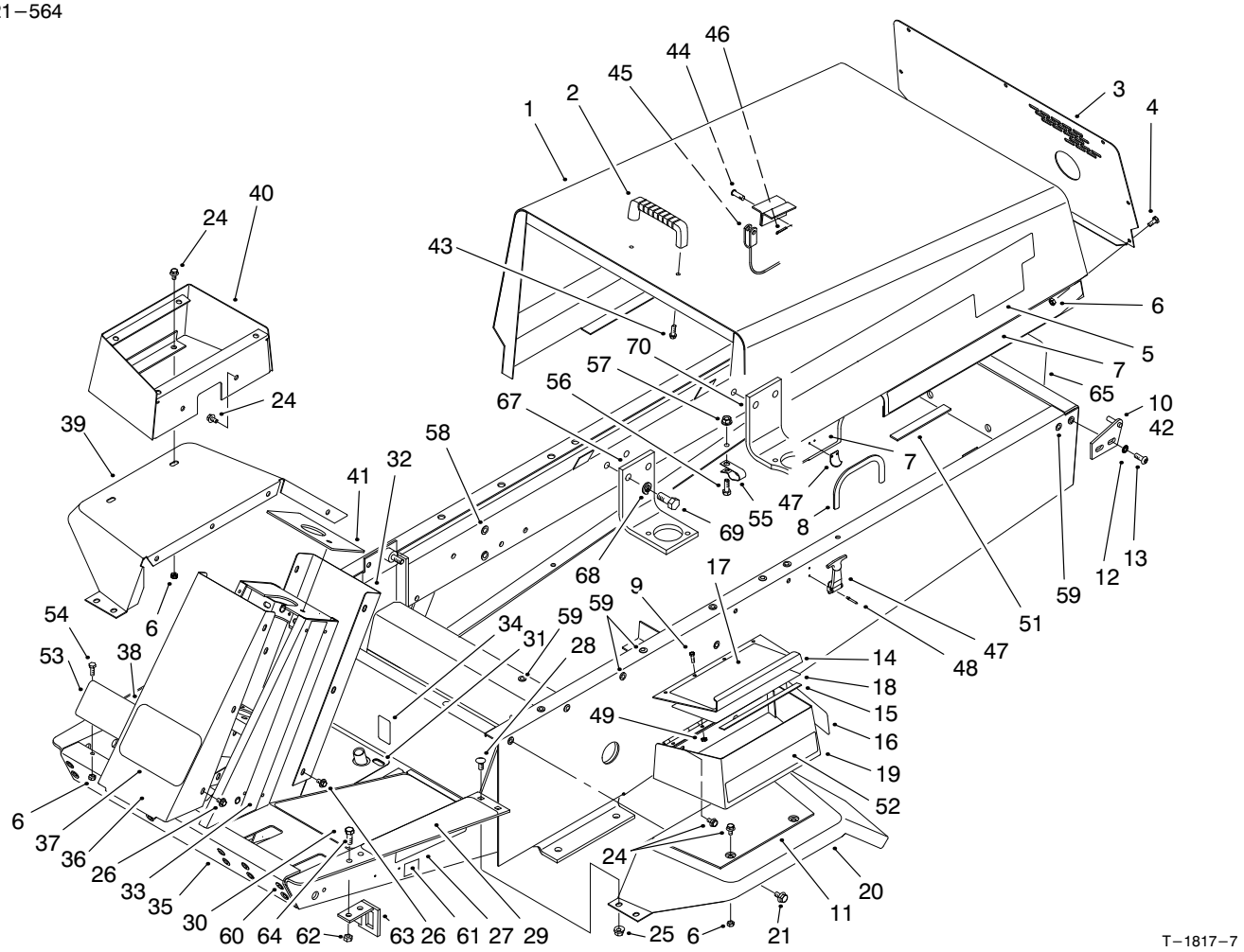
BODY ASM

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 LH	1
*	93–3192	Decal–Hood RH	1
8	66–8110	Trim–Hood	1
9	3290–359	Screw–Machine	4
10	63–6900	Plate Hinge LH	1
11	76–4790	Pad–Rubber	1
12	3255–8	Washer–Lock, Ext. Tooth	4
13	3274–32	Screw–HSH	4
14	92–6502	Asm–Tool Box Cover (Incl. Ref. #17 & 18)	1
15	66–3050	Strip–Magnetic	1
16	27–7310	Decal (Caution Over Fill)	1
16	93–7822	Decal–Refueling (Europe)	1
17	92–5774	Decal–Danger	1
17	93–7805	Decal–Danger (Europe)	1
18	84–1960	Decal–Service	1
19	92–6501	Asm–Tool Box (Incl. Ref. #16)	1
20	63–7310	Fender LH	1
21	3234–14	Screw–HFH	8
24	3234–13	Screw–HFH	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–CARR	4
29	66–3200	Tread–Foot Rest LH	1
30	66–3210	Tread–Foot LH	1

* Not Illustrated

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TPS

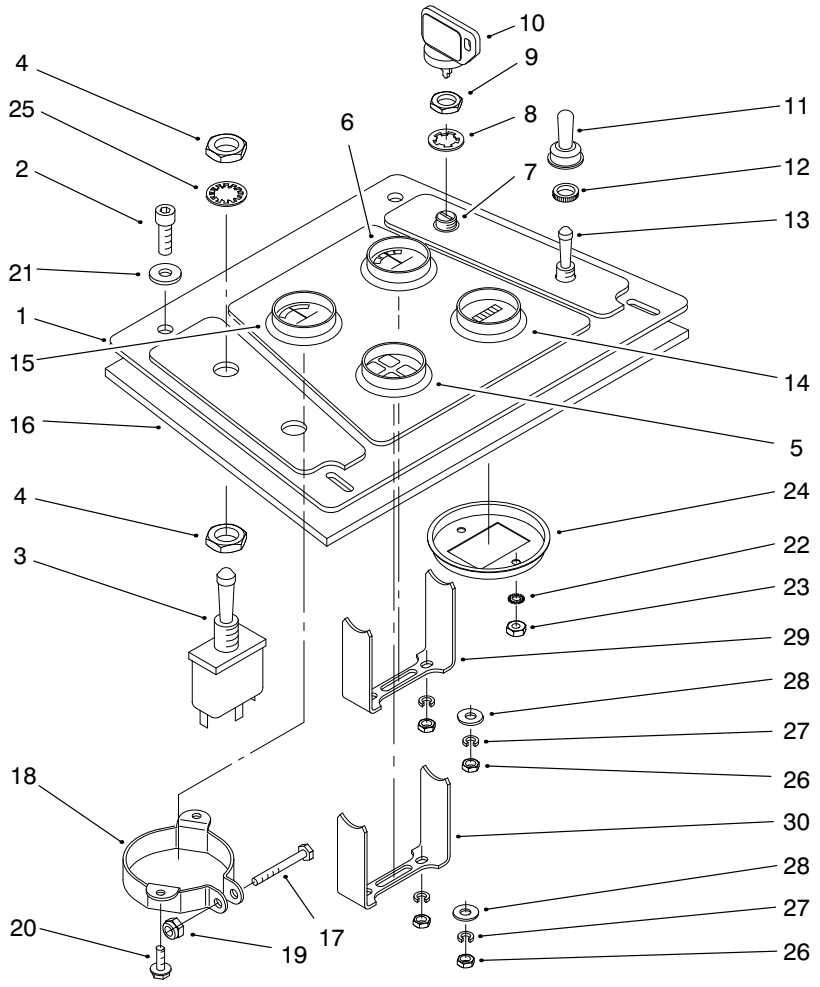


BODY ASM (Continued)

Ref. No.	Part No.	Description	No. Used
31	92−5540	Tread−Foot RH	1
32	63−7320	Cover−Tower Rear	1
33	66−8760	Decal−Tower LH	1
*	66−8770	Decal−Tower RH	1
34	53−4430	Decal−Oil	1
34	93−7823	Decal−Oil (Europe)	1
35	95−6280	Asm−Frame (Incl. Ref. #27, 29−31, 34, 38, 58−60 & 65)	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−RH	1
40	63−8050	Box−Control	1
41	66−2470	Plate−Tower	1
*42	63−6890	Plate−Hinge RH	1
43	46−8091	Screw−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	1
48	3290−271	Rivet	4

Ref. No.	Part No.	Description	No. Used
49	3296−12	Nut−Lock	4
51	82−8950	Foam	2
52	72−3560	Decal−4wd	2
53	92−5548	Shield−Pedal Stop	1
54	321−4	Screw−HH	2
55	92−5753	Clamp−Hose	3
56	322−5	Screw−HH	3
57	32128−44	Nut−Flange Lock	3
58	32148−9	Nut−Clinch	3
59	32148−7	Nut−Clinch	22
60	32148−10	Nut−Clinch	10
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
67	95−6270	Bracket−Engine Mount	3
68	3253−7	Washer−Lock	8
69	3213−2	Screw−HH	8
70	95−6271	Bracket−Engine Mount	1

* Not Illustrated

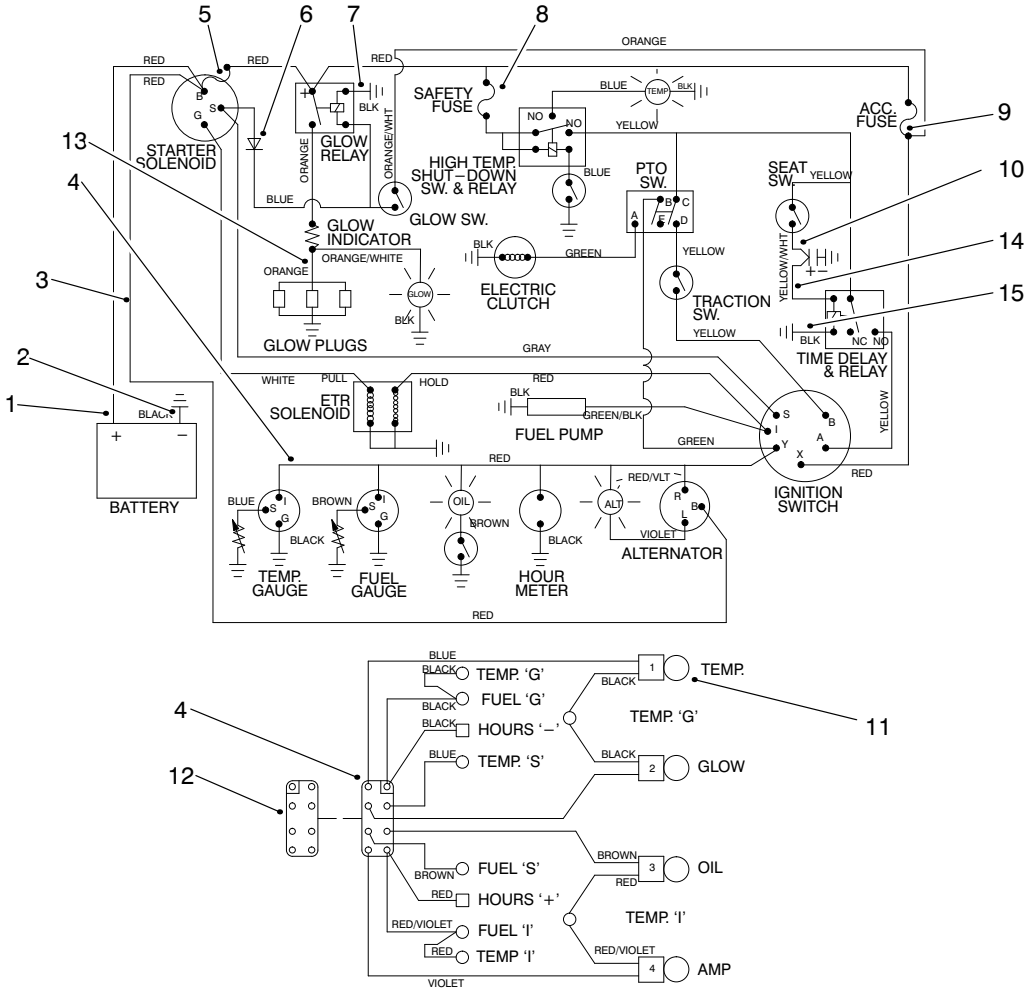


T−0525−3

CONTROL PANEL ASM

Ref. No.	Part No.	Description	No. Used
1	66−2460	Panel−Control	1
1	93−7835	Panel−Control (Europe)	1
2	3274−65	Screw−Socket Button Hd.	4
3	85−4980	Asm−PTO Switch (Incl. Ref. #4 & 25)	1
4	3218−19	Nut−Hex.	2
5	66−2960	Cluster−Warning Light	1
6	66−2940	Gage−Fuel (Incl. Ref. #26−29)	1
7	27−2360	Asm−Ignition Switch (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	Asm−Glow Plug Switch (Incl. Ref. #11 & 12)	1

Ref. No.	Part No.	Description	No. Used
14	66−2950	Meter−Hour (Incl. Ref. #22−24)	1
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	3296−12	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

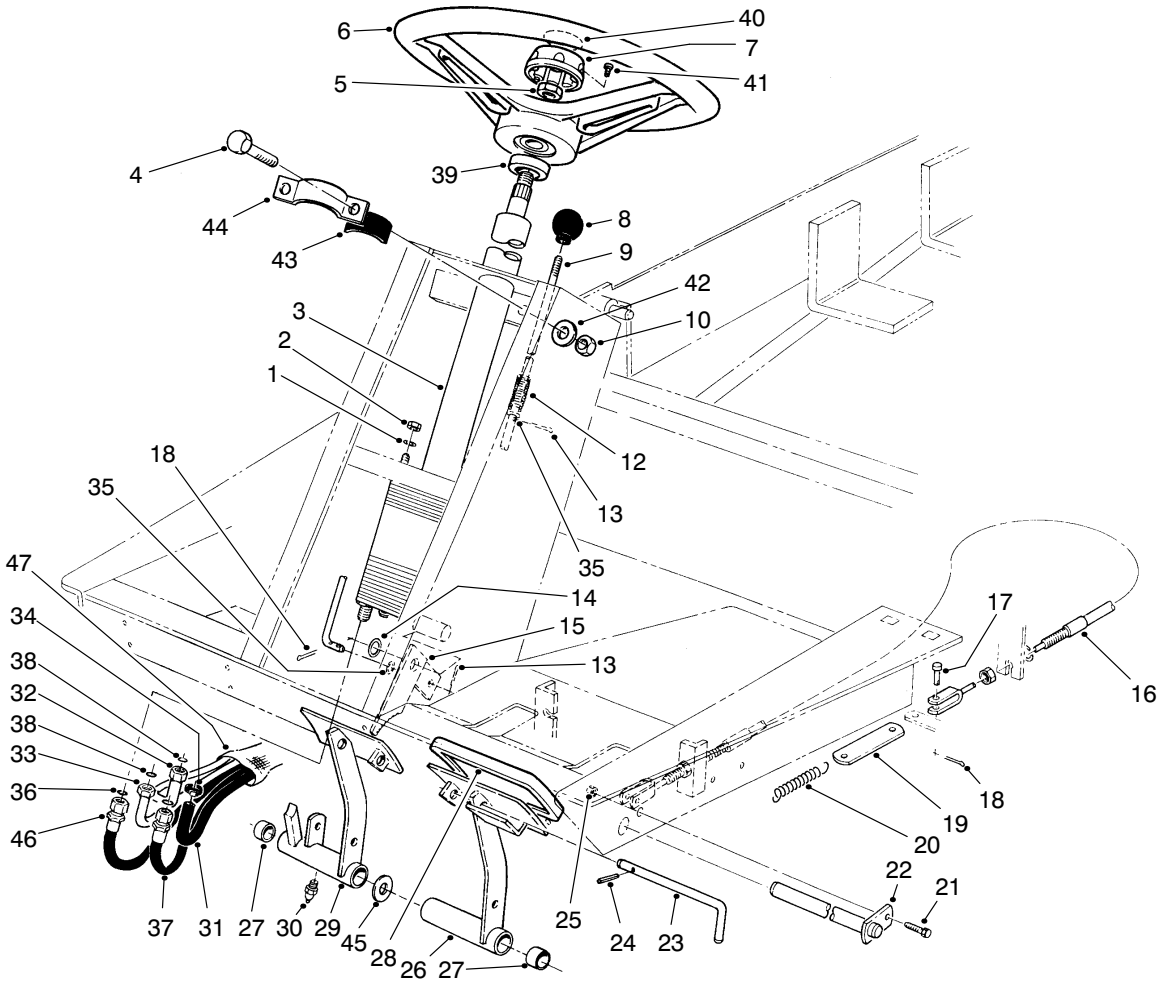


T−0526−3

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. #5−7 & 10)	1
4	66−8690	Lamp Harness (Incl. Ref. #11)	1
5	67−7120	Fusible Link	1
6	86−7470	Diode	1
7	67−7140	Ground Wire	1

Ref. No.	Part No.	Description	No. Used
8	218−574	Fuse 7.5A	1
9	218−573	Fuse 5.0A	2
10	70−7280	Wire−Seat	1
11	219−17	Bulb−Light	4
12	68−7380	Asm−Connector	1
13	68−7370	Wire−Glow	1
14	67−7180	Wire− Seat	1
15	67−7190	Wire−Ground	1



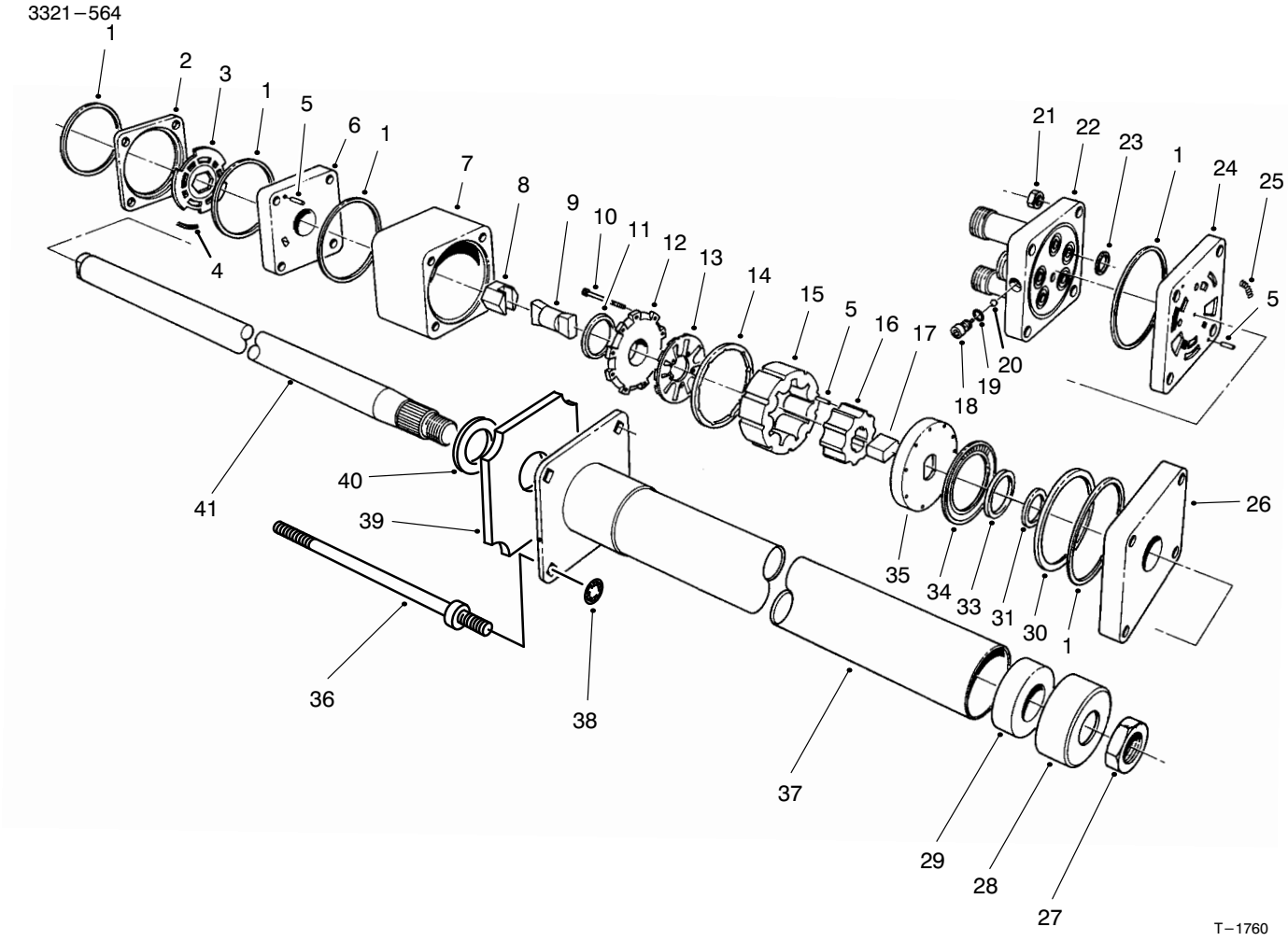
T−2354

POWER STEERING & BRAKE PEDAL ASM

Ref. No.	Part No.	Description	No. Used
1	3256−23	Washer−Flat	4
2	3296−20	Nut−Lock	4
3	92−7308	Asm−Power Steering Valve (Incl. Ref. #7)	1
4	322−5	Screw−HH	2
5	3220−6	Nut−Hex.	1
6	75−0560	Asm−Wheel−Steering (Incl. Ref. #7 & 41)	1
7	68−5140	Asm−Steering Wheel Cap (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	Cable−Brake RH	1
*	63−7731	Cable−Brake LH	1
17	283−58	Pin−Clevis	4
18	3272−10	Pin−Cotter	5
19	63−6750	Link−Brake Cable	2
20	3−7243	Spring−Return	2
21	321−3	Screw−HH	1
22	63−6210	Pin−Brake	1
23	63−7880	Pin−Brake Latch	1
24	32121−50	Pin−Roll	1

Ref. No.	Part No.	Description	No. Used
25	3296−42	Nut−Lock	1
26	63−6180	Asm−Brake Pedal LH (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	Asm−Brake Pedal RH (Incl. Ref. #27 & 30)	1
30	302−5	Fitting−Grease	2
31	66−8140	Hose	1
32	66−8630	Tube−Hydraulic	1
33	66−8620	Tube−Hydraulic	1
34	2412−36	Clamp	2
35	3256−22	Washer−Flat	3
36	237−30	O−Ring	2
37	92−5080	Hose−Hydraulic	1
38	237−22	O−Ring	2
39	21−9260	Cover−Dust	1
40	68−5370	Decal−Toro	1
41	32144−21	Screw−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	AR
46	92−5081	Hose−Hydraulic	1
47	44−8530	Sock−Hose	1

* Not Illustrated

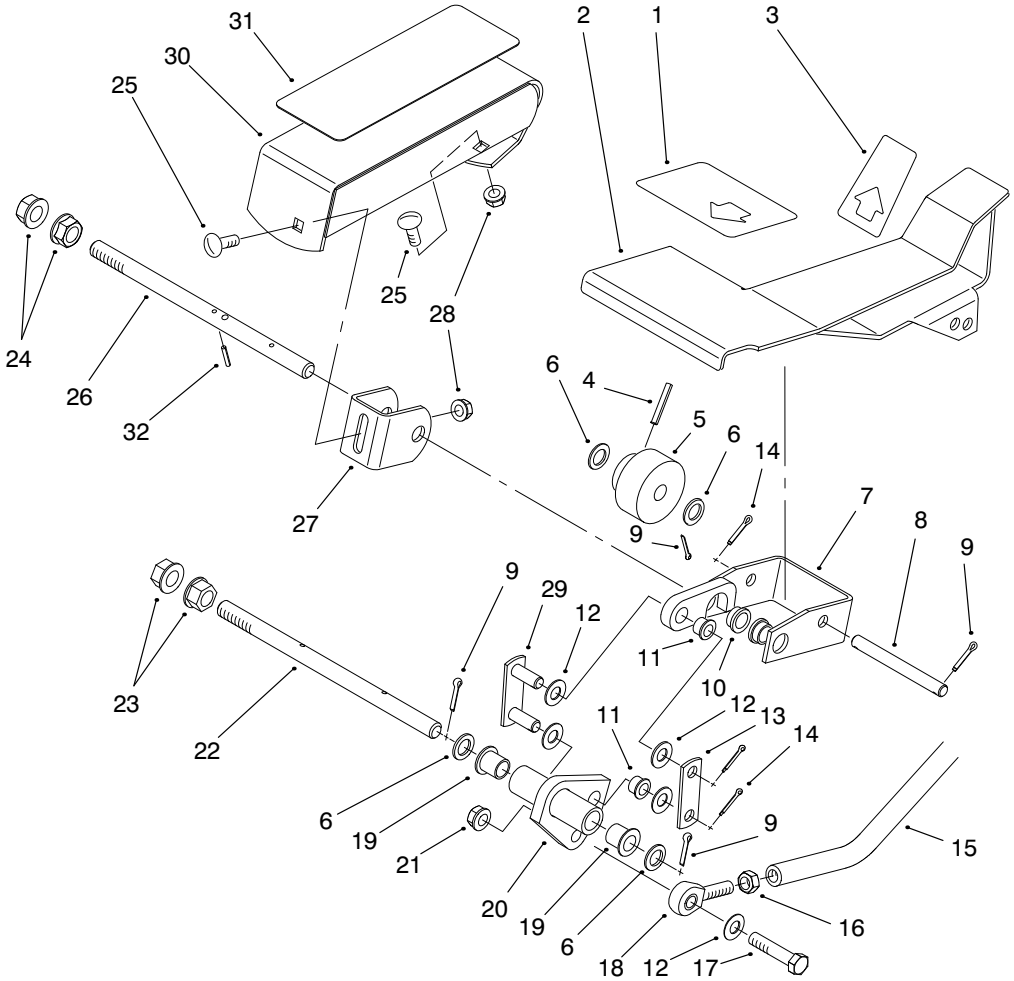


STEERING VALVE ASM NO. 92–7308

Ref. No.	Part No.	Description	No. Used
1		Ring–Seal	
2		Ring–Valve	
3		Plate–Valve	
4		Spring	3
5		Pin–Alignment	9
6		Manifold–Isolation	1
7		Ring–Metering	1
8		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

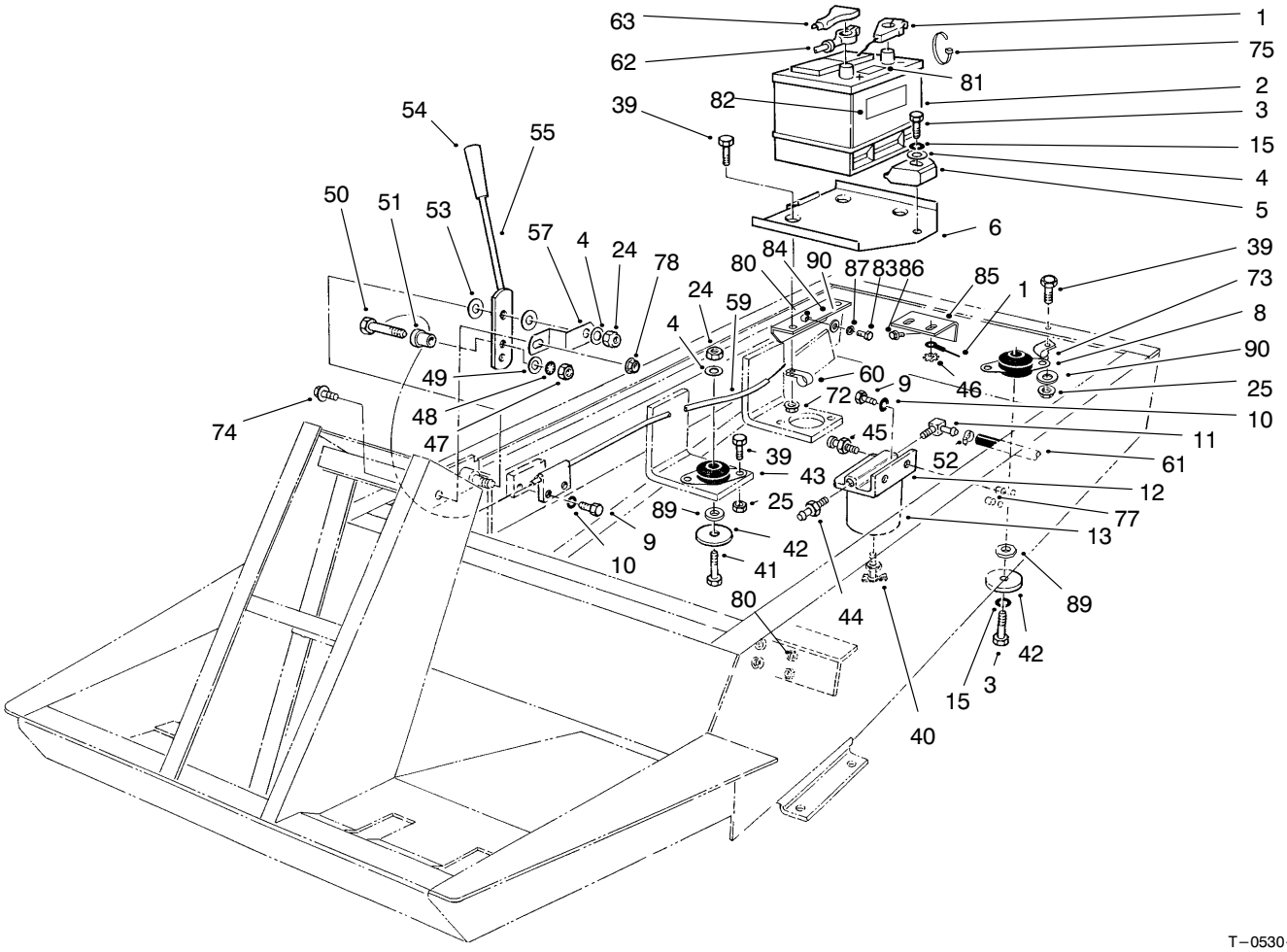


T−1688C

TRACTION PEDAL ASM

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	4
7	92−5093	Bracket−Pivot	1
8	92−5537	Pin−Pedal Pivot	1
9	3272−10	Pin−Cotter	4
10	256−156	Bushing−Flange	2
11	256−116	Bushing	2
12	3256−24	Washer−Flat	5
13	92−5721	Plate−Link	1
14	3272−6	Pin−Cotter	3
15	92−5536	Tube−Traction Control	1
16	3220−3	Nut−Jam	1

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



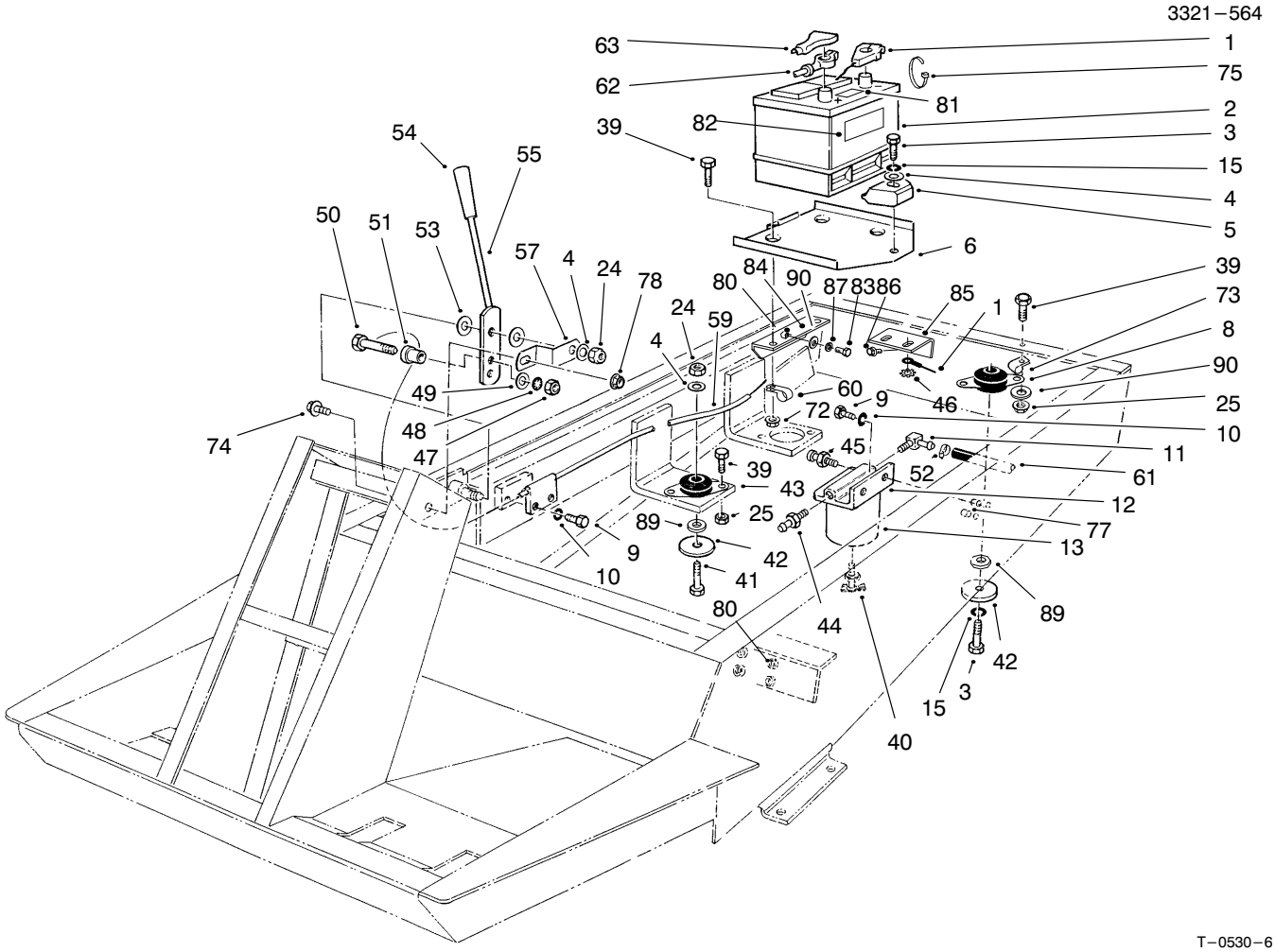
T−0530−6

BATTERY AND ENGINE MOUNT ASM

Ref. No.	Part No.	Description	No. Used
1	63−7340	Wire−Ground	1
†2		Battery	
		Type 26 SMF−5	1
3	323−10	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	5
25	3296−29	Nut−Lock	10
39	322−5	Screw−HH	13
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, Ext. Tooth	1
47		Nut−Hex.	1
48		Washer−Lock ITLW	1

Ref. No.	Part No.	Description	No. Used
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	Clamp−Hose	1
61	63−7610	Hose	1
62	43−4031	Cable−Battery Positive	1
63	28−1280	Boot−Positive Cable	1
72	32128−20	Nut−Flange	3
73	98−3883	R−Clamp	2
74	3234−13	Screw−HFH	1
75	3290−378	Tie−Cable	1
77	32148−11	Nut−Clinch	2
78	32128−33	Nut−HHF	1
80	32148−8	Nut−Clinch	6
81	93−7276	Decal−Danger (Europe)	1
82	93−6668	Decal−Battery Charging Instructions (Europe)	1
83	322−6	Screw−HH	2
84	95−1592	Angle−Base, Battery	1
85	95−1599	Bracket−Base, Battery	1

† Obtain locally

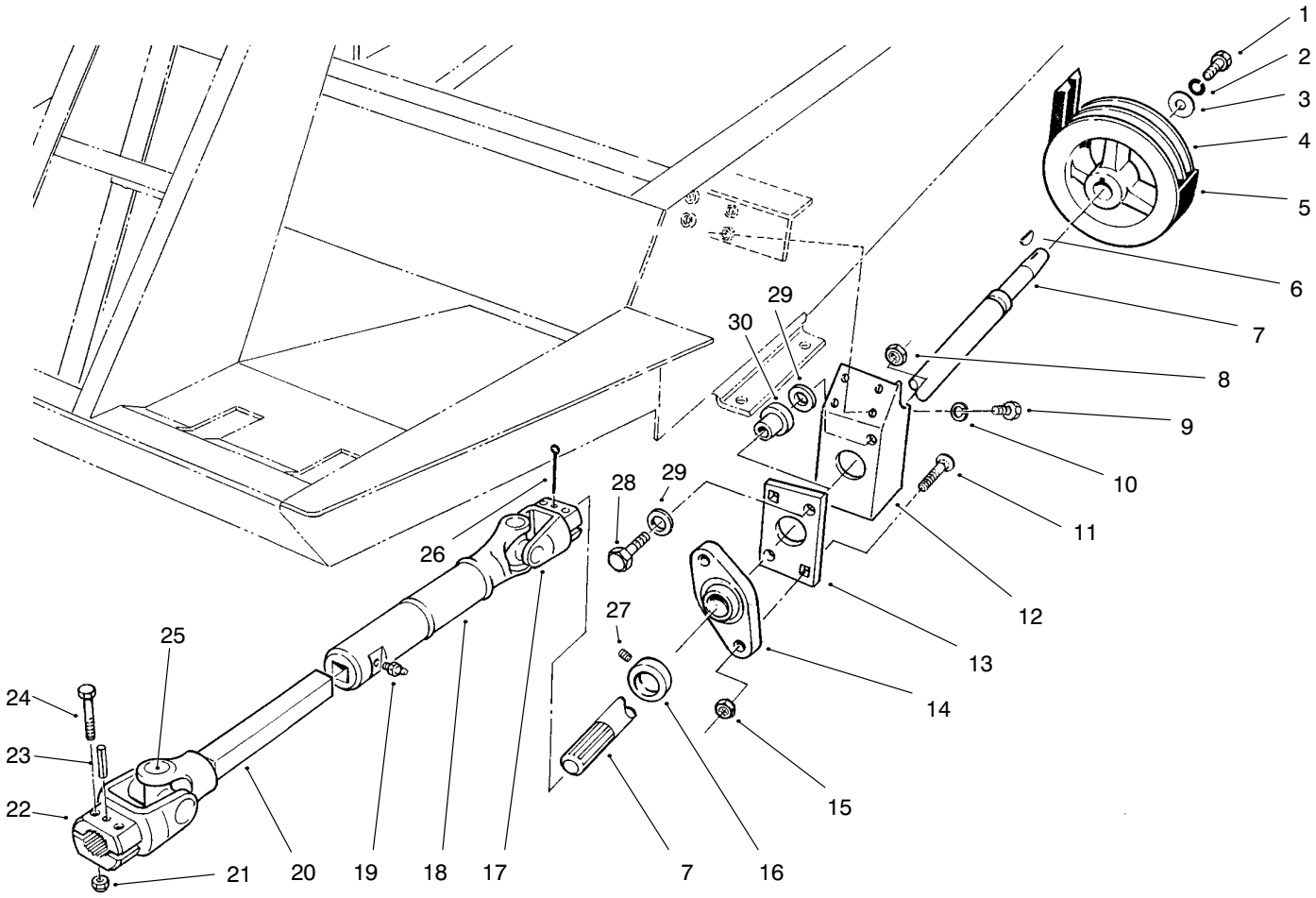


T−0530−6

BATTERY AND ENGINE MOUNT ASM (Continued)

Ref. No.	Part No.	Description	No. Used
86	3234−30	Screw−HH	2
87	3253−4	Washer−Lock	2
89	80−7730	Spacer	4
90	3256−23	Washer	4

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



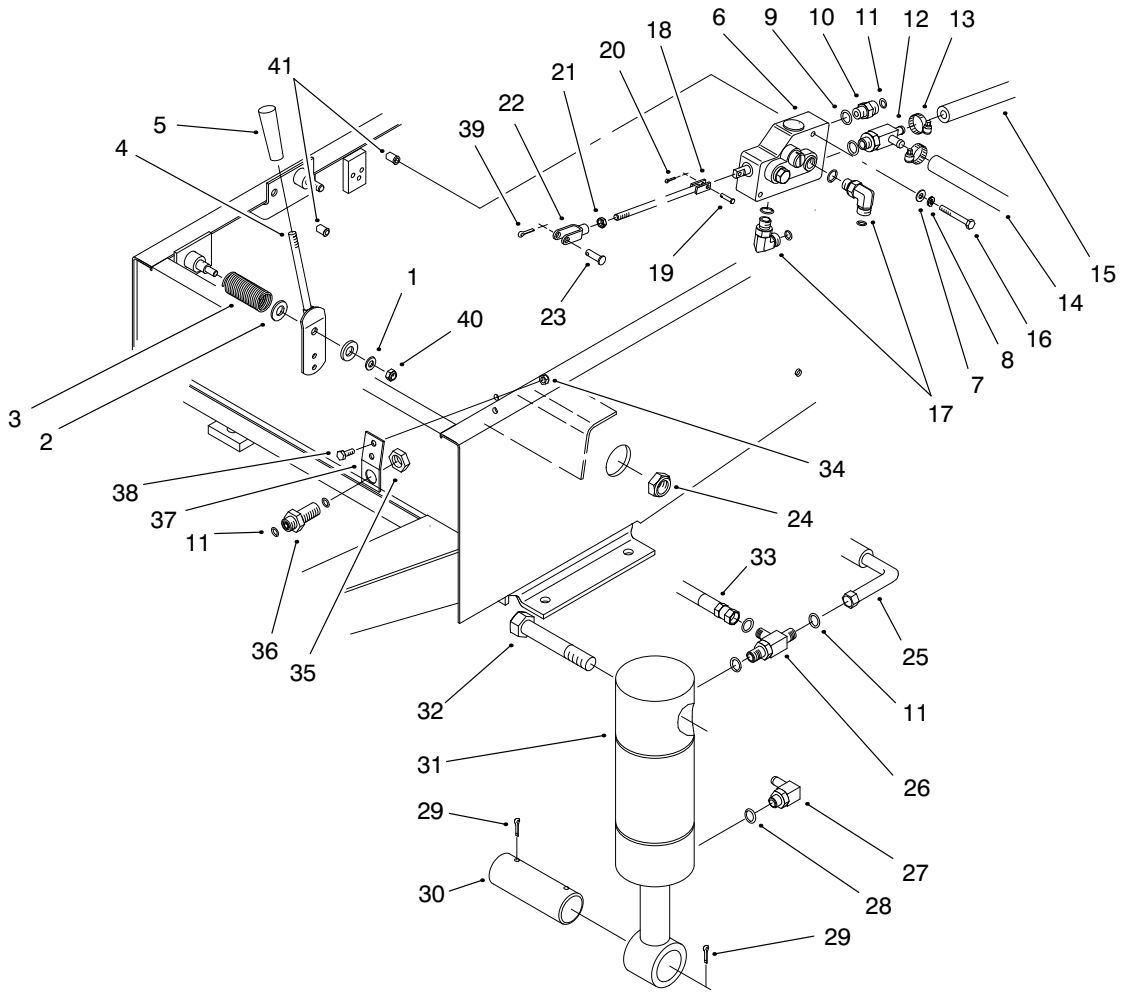
T−2745−1

POWER TAKE OFF ASM

Ref. No.	Part No.	Description	No. Used
1	323−18	Screw−HH	1
2	3253−21	Washer−Lock	1
3	29−4730	Washer−PTO	1
4	43−5320	Pulley−PTO	1
5	63−6240	Belt−PTO	1
6	3257−5	Key−Woodruff	1
7	92−8855	Shaft−PTO	1
8	3296−39	Nut−Lock	2
9	322−5	Screw−HH	4
10	3253−4	Washer−Lock	4
11	3230−4	Bolt−CARR	2
12	92−8751	Bracket−PTO Bearing	1
13	84−7580	Plate−Bushing Support	1
14	92−8799	Asm−PTO Shaft Bearing (Incl. Ref. #16 & 27)	1
15	32149−1	Nut−Lock	2
16	251−77	Collar−Locking	1

Ref. No.	Part No.	Description	No. Used
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. #17−20, 22 & 25)	1

* Not Illustrated



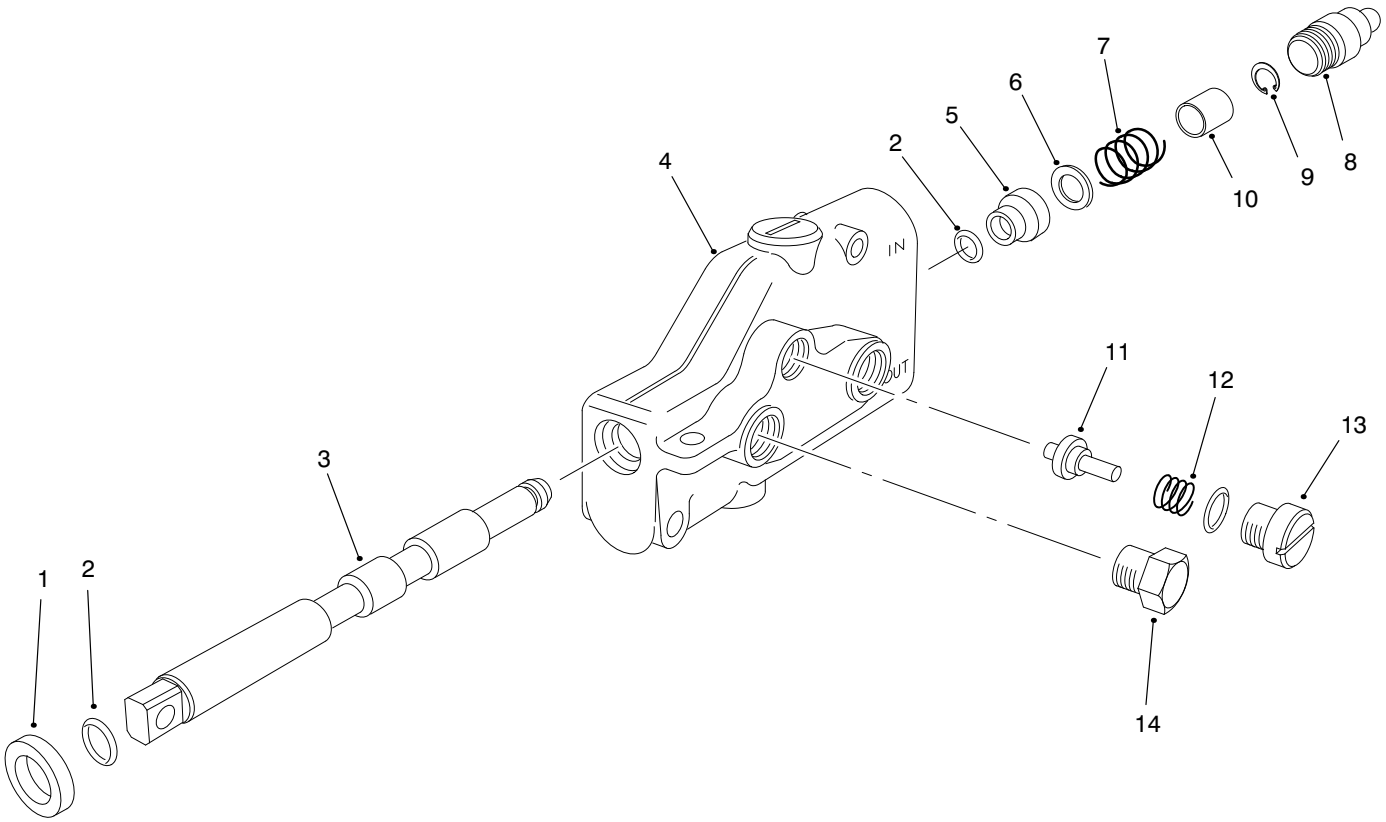
T−0531−5

HYDRAULIC LIFT SYSTEM ASM

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−Hydraulic Straight (Incl. Ref. #9 & 11)	1
11	237−22	O−Ring	9
12	66−3130	Fitting−Hydraulic Tee (Incl. Ref. #9)	1
13	2412−36	Clamp−Hose	3
14	66−8150	Hose−Hydraulic	1
15	66−8500	Hose	1
16	321−11	Screw−HH	2
17	340−77	Fitting−Hydraulic 90° (Incl. Ref. #9 & 11)	2
18	76−4830	Rod−Tie	1
19	283−16	Pin−Clevis	1
20	3272−5	Pin−Cotter	1
21	3220−2	Nut−Jam RH	1
22	282−27	Clevis	1
23	283−58	Pin−Clevis	1
24	3296−15	Nut−Lock	2

Ref. No.	Part No.	Description	No. Used
25	66−8190	Hose−Hydraulic	1
26	340−86	Fitting−Hydraulic Tee (Incl. Ref. #9 & 11) (Used On Cap End of Left Cylinder)	1
*	340−77	Fitting−Hydraulic 90° (Incl. Ref. #9 & 11) (Used On Cap End of Right Cylinder)	1
27	304−99	Fitting−Hydraulic 90° (Incl. Ref. #28)	2
28	237−78	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	Hose−Hydraulic	1
34	3296−42	Nut−Lock	2
35	340−70	Nut−Fitting	1
36	340−71	Fitting−Hydraulic Bulkhead (Incl. Ref. #11 & 35)	1
37	63−7410	Bracket−Bulkhead	1
38	321−4	Screw−HH	2
39	3272−10	Pin−Cotter	1
40	3296−29	Nut−Lock	1
41	32148−11	Nut−Clinch	2

* Not Illustrated



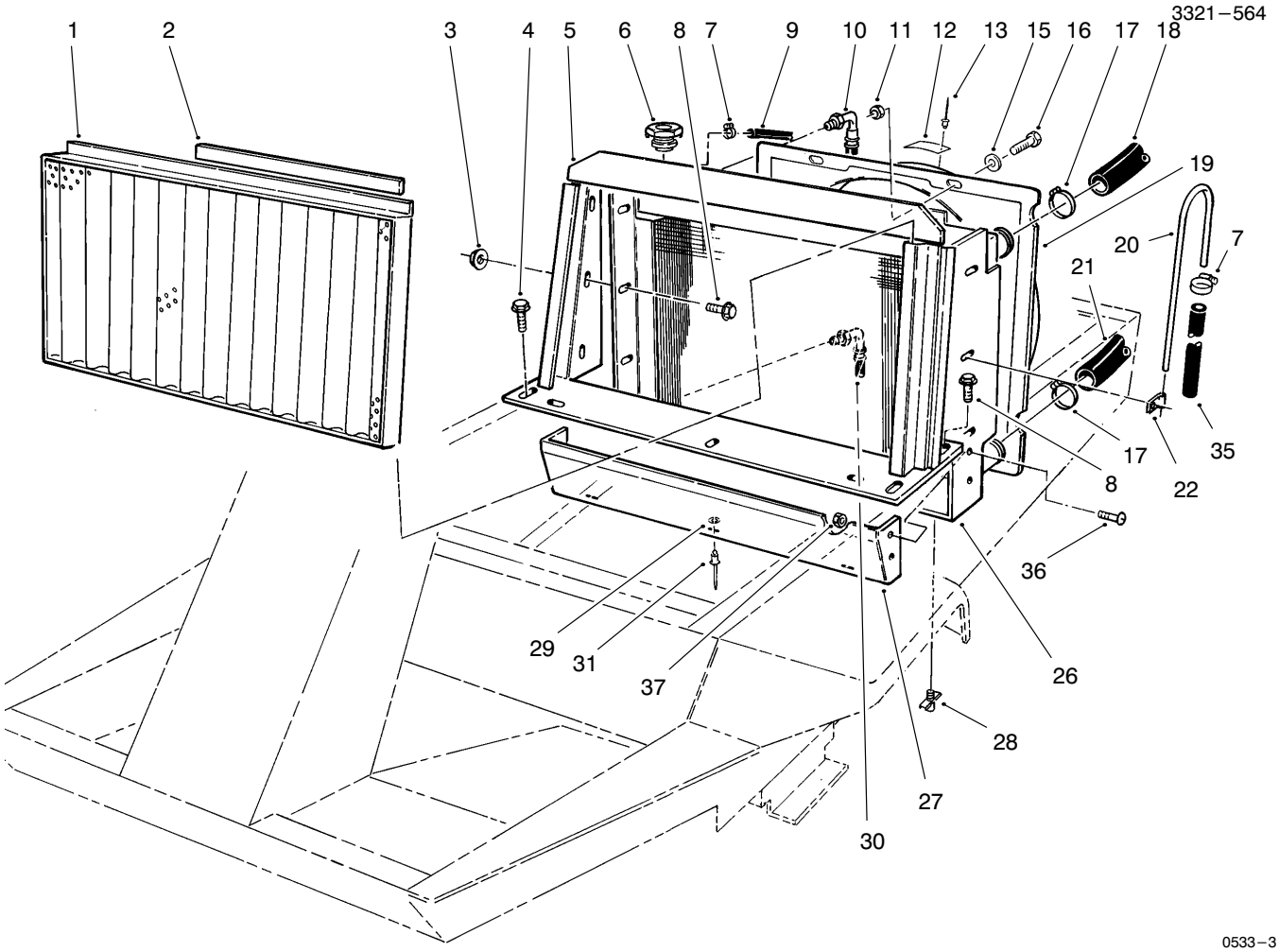
T−0532−2

LIFT VALVE ASM 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

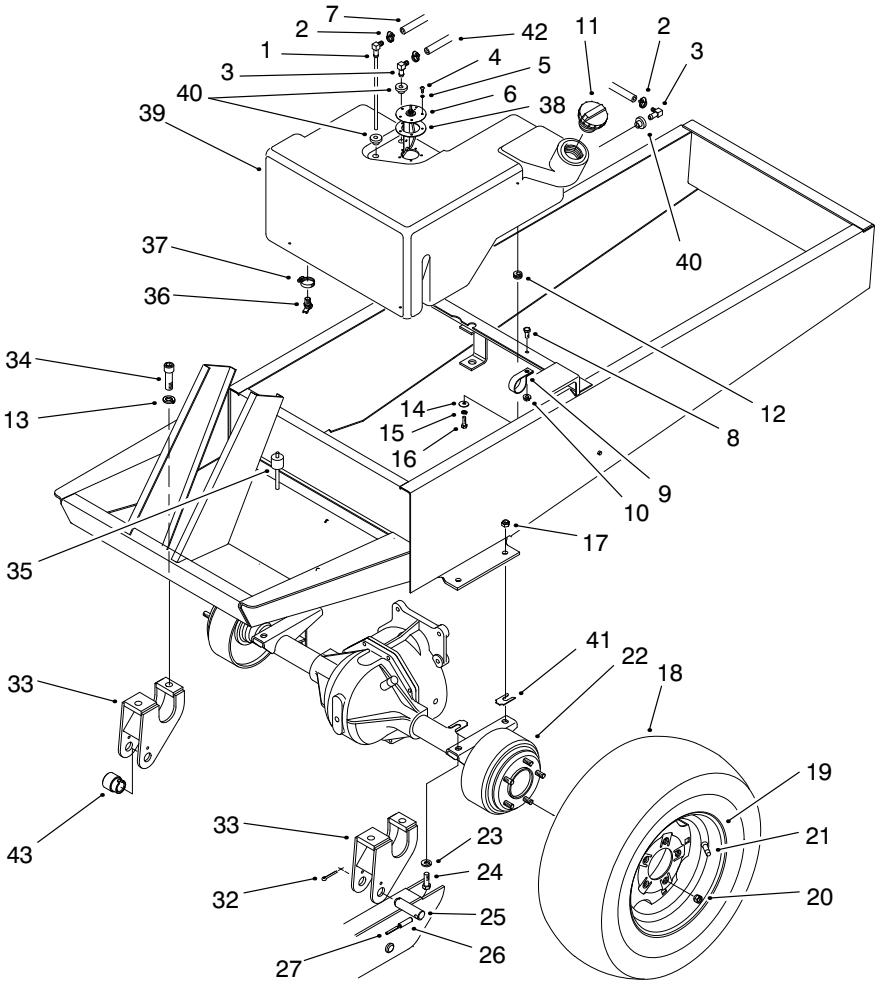


RADIATOR ASM

Ref. No.	Part No.	Description	No. Used
1	63–7700	Asm–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	6
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	3290–55	Rivet	2
15	3256–22	Washer–Flat	4
16	321–4	Screw–HH	4
17	2412–34	Clamp–Hose	4

Ref. No.	Part No.	Description	No. Used
18	93–9940	Hose–Upper	1
19	92–6503	Asm–Fan Shroud (Incl. Ref. #12 & 13)	1
20	66–3180	Tube–Vent	1
21	63–6020	Hose–Lower	1
22	2412–103	Clamp–R	2
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
35	94–4522	Hose	1
36	3249–3	Screw–Round Hd.	2
37	3217–29	Nut–Hex.	2
*	93–7840	Decal–Radiator Cap (Europe)	1

* Not Illustrated



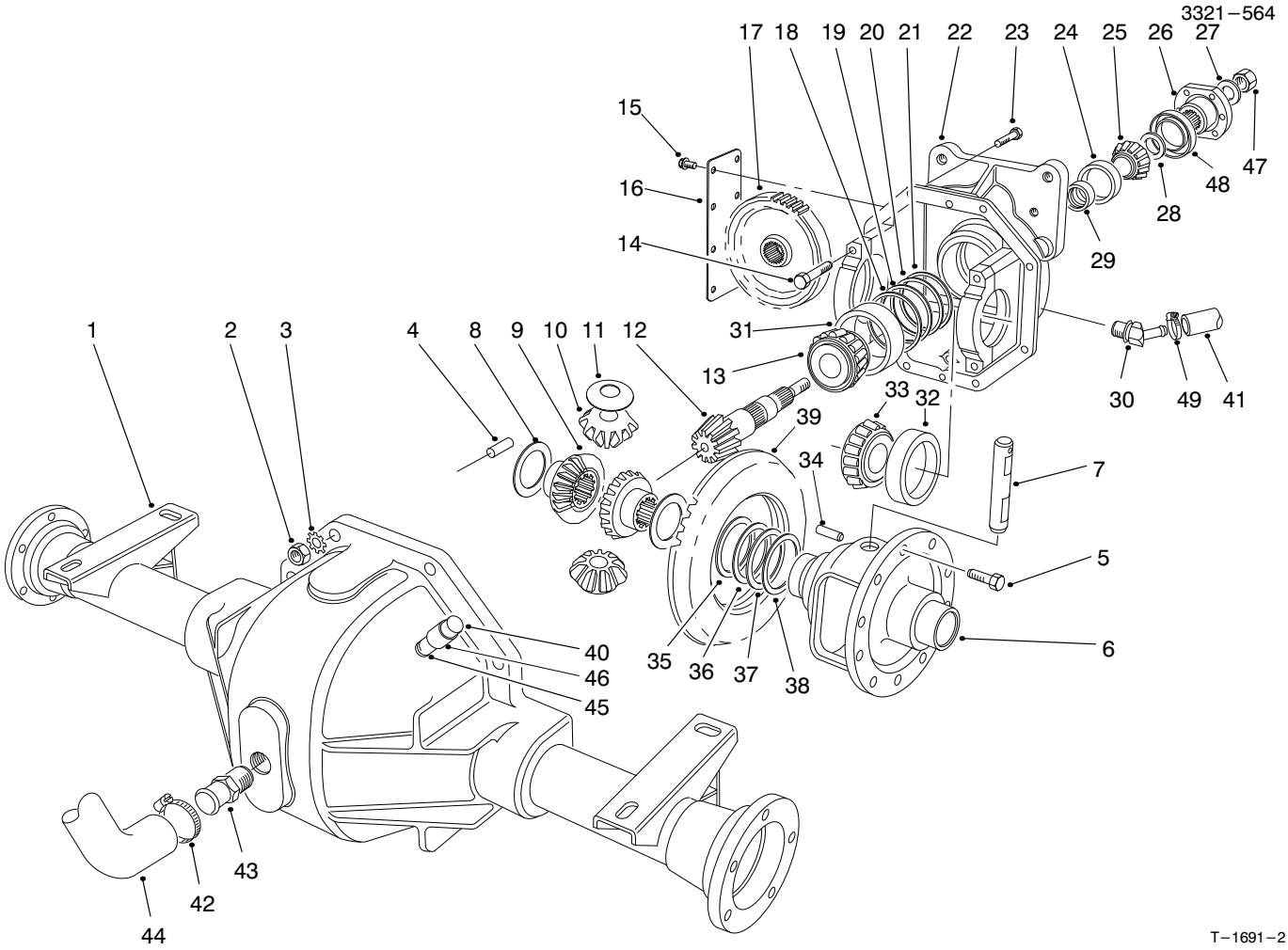
T−0534−6

FUEL TANK AND AXLE ASM

Ref. No.	Part No.	Description	No. Used
1	66−8120	Standpipe	1
2	2412−108	Clamp	4
3	94−6765	Fitting−Fuel 90˚	2
4	32122−24	Screw−Machine	5
5	3253−15	Washer−Lock	5
6	63−7640	Sender−Fuel	1
7	63−7630	Hose	1
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−23” x 8.5” x 12”	2
*	231−95	Tire−23” x 10.5” x 12” 4 Ply (Optional)	2
*	69−9880	Tire−23” x 10.5” x 12” 6 Ply (Optional)	2
19	217−117	Rim−23” x 8.5” x 12”	2
*	217−116	Rim−23” x 10.5” x 12” (Optional)	1
20	23−7270	Nut−Lug	10
21	232−27	Valve Stem w/Cap (For Standard 8.5” Rim)	2

Ref. No.	Part No.	Description	No. Used
*	232−27	Valve Stem w Cap (For Optional 10.5” Rim)	2
22	92−2377	Asm−Axle	1
23	3256−25	Washer−Flat	4
24	324−5	Screw−HH	4
25	98−2348	Pin−Pivot (Incl. Ref. #22 & 23)	2
26	32121−49	Pin−Spring	2
27	32121−71	Pin−Spring	2
32	3272−17	Pin−Cotter	2
33	98−2328	Bracket−Carrier	2
34	3273−38	Screw−HH	4
35	66−3060	Dipstick−Differential	1
36	304−46	Fitting−Drain	1
37	2412−36	Clamp	1
38	62−7650	Gasket	1
39	98−5001	Tank−Fuel	1
40	46−6560	Bushing	3
41	42−6080	Shim−Axle	A/R
42	93−1627	Hose−Fuel	1
43	98−7926	Spacer−Lift Arm	4
*	62−7020	Asm−Wheel & Tire (Opt.) (23” x 10.5” x 12” 4 Ply)	2
*	69−9870	Asm−Wheel & Tire . (Opt.) (23” x 10.5” x 12” 6 Ply)	2

* Not Illustrated

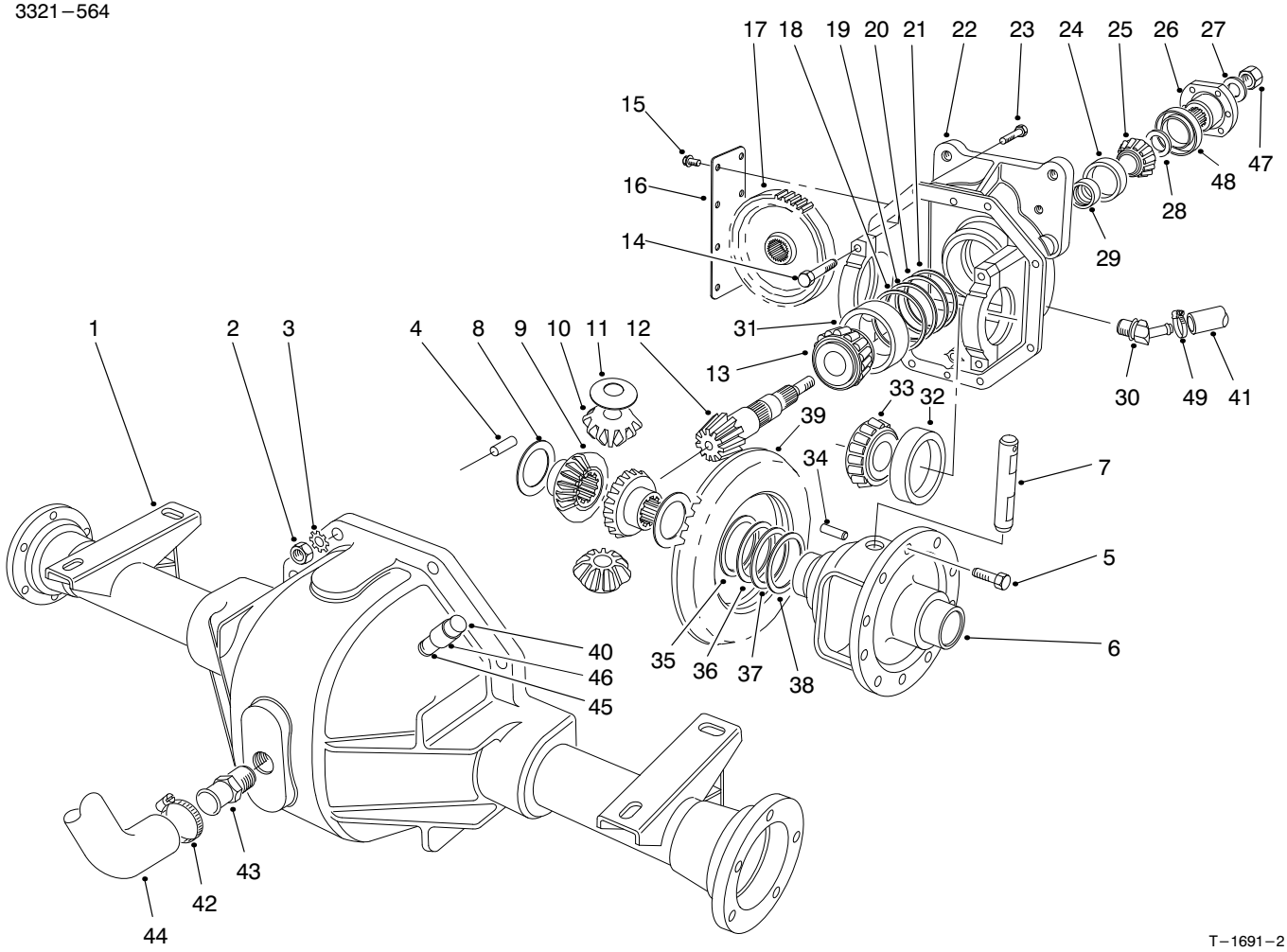


FRONT AXLE ASM NO. 92–2377

Ref. No.	Part No.	Description	No. Used
1	63–8090	Asm–Lower Housing	1
2	3219–2	Nut	8
3	3255–8	Washer–Lock, Ext. Tooth	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

Ref. No.	Part No.	Description	No. Used
22	86–7190	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	68–7010	Flange	1
27	71–4340	Washer	1
28	72–3570	Shim .094–Diff. Adjust.	A/R
*	72–3571	Shim .096–Diff. Adjust.	A/R
*	72–3572	Shim .098–Diff. Adjust.	A/R
*	72–3573	Shim .100–Diff. Adjust.	A/R
*	72–3574	Shim .102–Diff. Adjust.	A/R
*	72–3575	Shim .104–Diff. Adjust.	A/R
*	72–3576	Shim .106–Diff. Adjust.	A/R
*	72–3577	Shim .108–Diff. Adjust.	A/R
*	72–3578	Shim .110–Diff. Adjust.	A/R
*	72–3580	Shim .112–Diff. Adjust.	A/R
*	72–3581	Shim .114–Diff. Adjust.	A/R
*	72–3582	Shim .116–Diff. Adjust.	A/R
*	72–3583	Shim .118–Diff. Adjust.	A/R
*	72–3584	Shim .120–Diff. Adjust.	A/R
*	72–3585	Shim .125–Diff. Adjust.	A/R
*	72–3586	Shim .127–Diff. Adjust.	A/R
*	72–3587	Shim .129–Diff. Adjust.	A/R
*	72–3588	Shim .131–Diff. Adjust.	A/R

* Not Illustrated

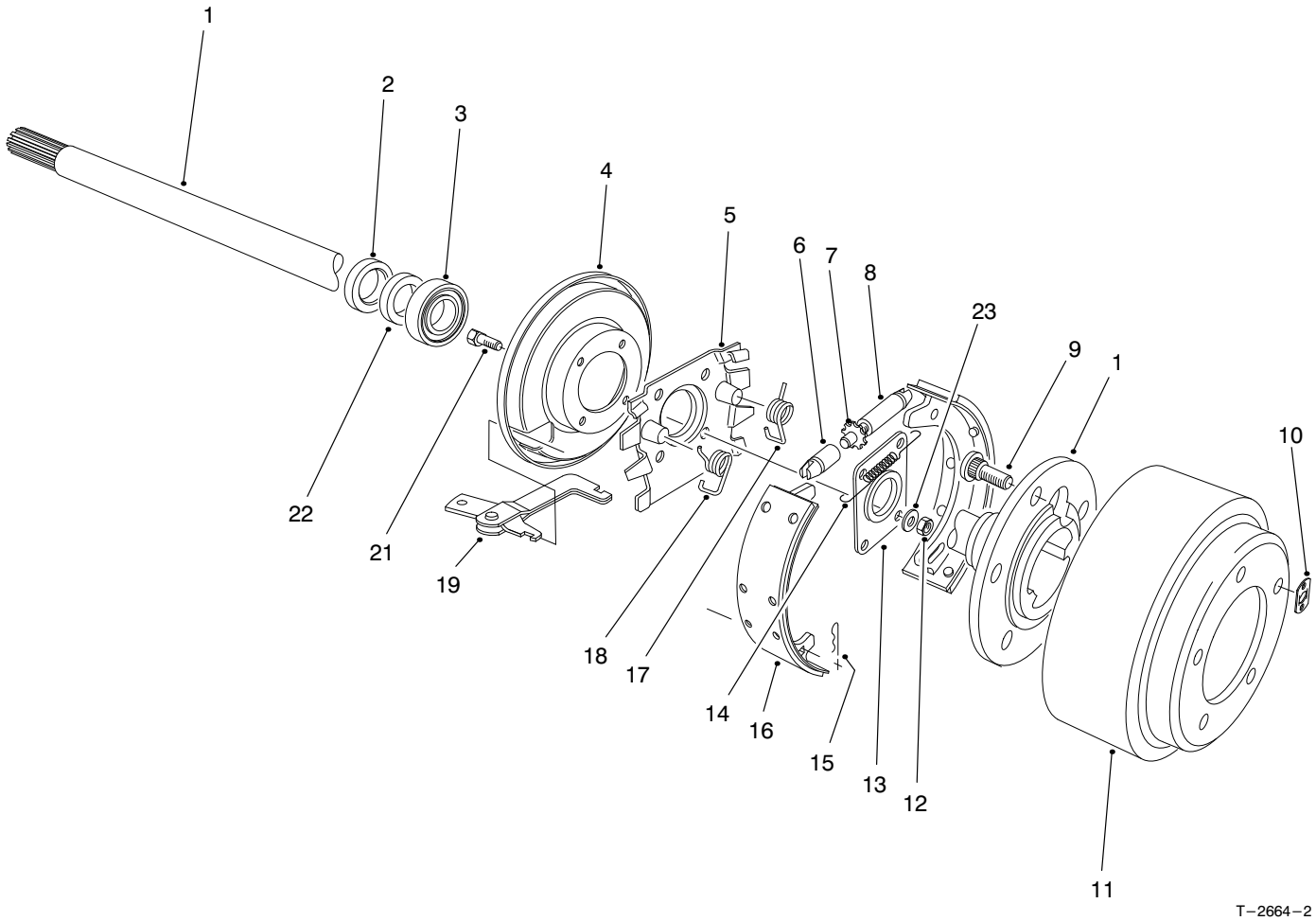


T−1691−2

FRONT AXLE ASM NO. 92−2377 (Continued)

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

* Not Illustrated
† Order Item Separately



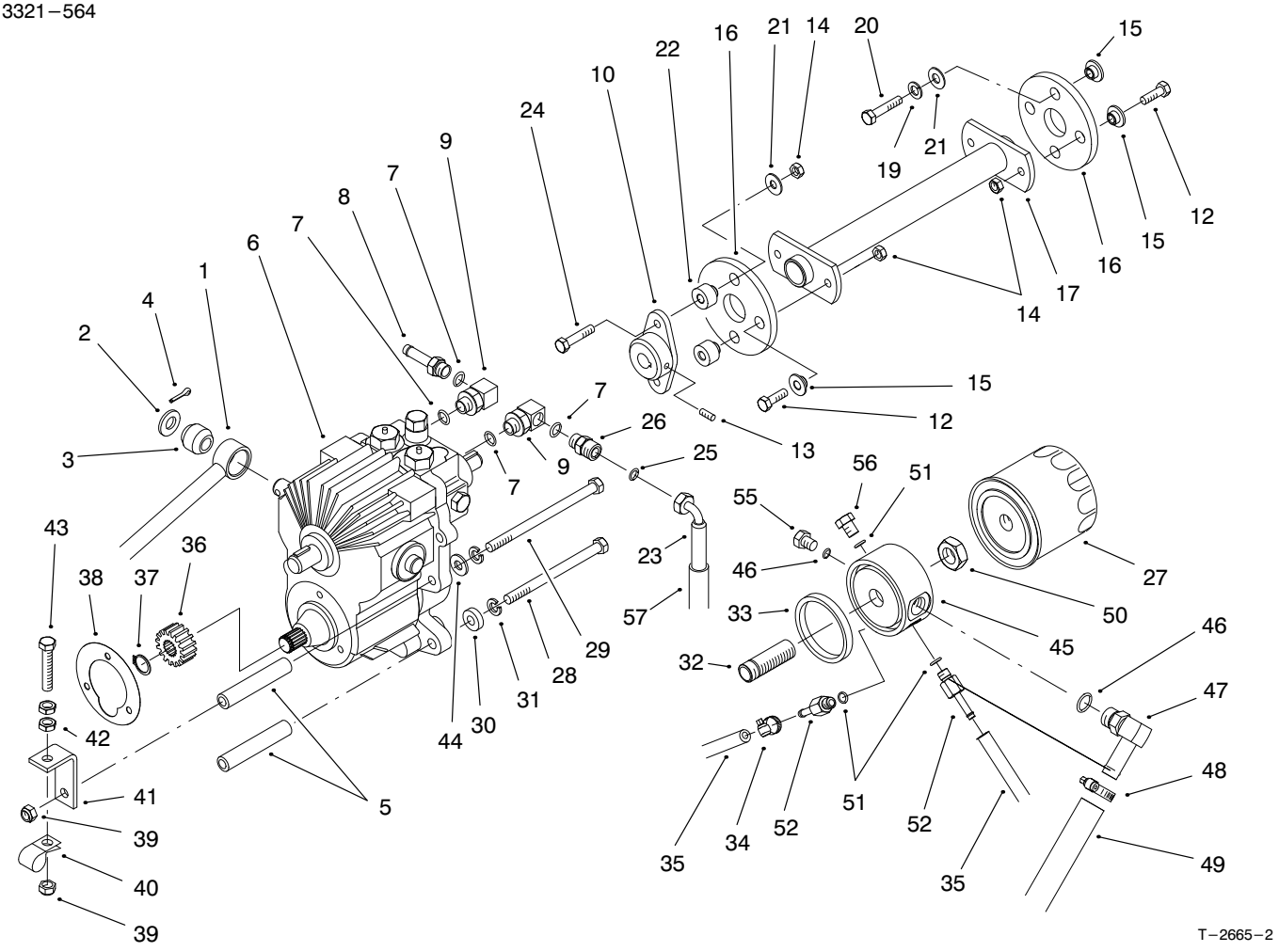
T−2664−2

BRAKE ASM

Ref. No.	Part No.	Description	No. Used
1	27−6861	Shaft−Axle, Flanged LH	1
*	27−6851	Shaft−Axle, Flanged RH	1
2	92−1774	Oil Seal	2
3	21−8180	Bearing−Tapered Roller	2
4	21−9450	Dust Shield	2
5	43−6810	Torque Spider	2
6	21−9390	Socket−Adjusting Screw	2
7	21−9370	Adjusting Screw	2
8	21−9380	Nut−Pivot	2
9	242−34	Stud−Axle Flange	10
10	21−8360	Clip−Retaining	2
11	28−0680	Brake Drum	2
12	94−6935	Nut−Lock, Top	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	21−9420	Spring−Shoe Return RH	2
18	21−9430	Spring−Shoe Return LH	2
19	24−9180	Strut/Lever−Parking Brake	2
21	94−6934	Screw−HH	8
22	24−8840	Ring−Wheel Bearing	2
23	94−6936	Washer	8
*	92−8775	Kit−Gasket, Liquid	1

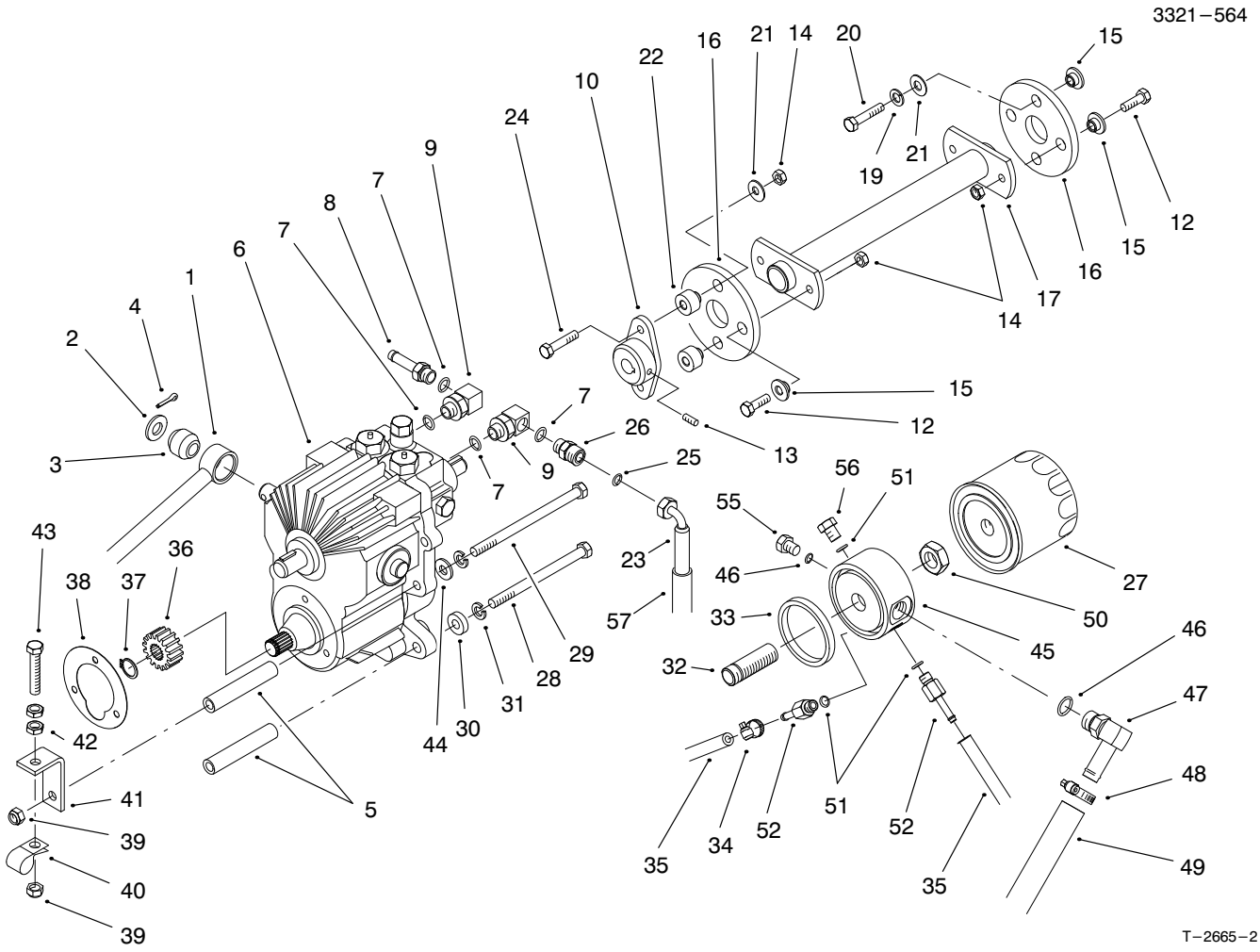
* Not Illustrated



TRANSMISSION & DRIVE COUPLING ASM

Ref. No.	Part No.	Description	No. Used
1	92–5536	Tube–Traction Control	1
2	3256–26	Washer–Flat	1
3	23–2270	Bushing–Rubber	1
4	3272–10	Pin–Cotter	1
5	27–3680	Spacer–Mounting	4
6	92–5513	Transmission	1
7	237–42	O–Ring	4
8	353–979	Hose Barb (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–Filter Adapter	1
34	2412–108	Hose Clamp	4
35	92–5082	Hose	2
36	86–7220	Gear–Spur	1
37	936125	Ring–Retaining	1
38	27–3690	Gasket–Transmission	1
39	3296–39	Nut–Lock	2
40	2412–4	R–Clamp	1
41	63–7170	Anchor–Transmission	1
42	3218–3	Nut–Jam	2
43	67–1900	Screw–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 90° (Incl. Ref. #46)	1
48	2412–119	Clamp–Hose	1
49	92–5083	Hose–Hydraulic	1

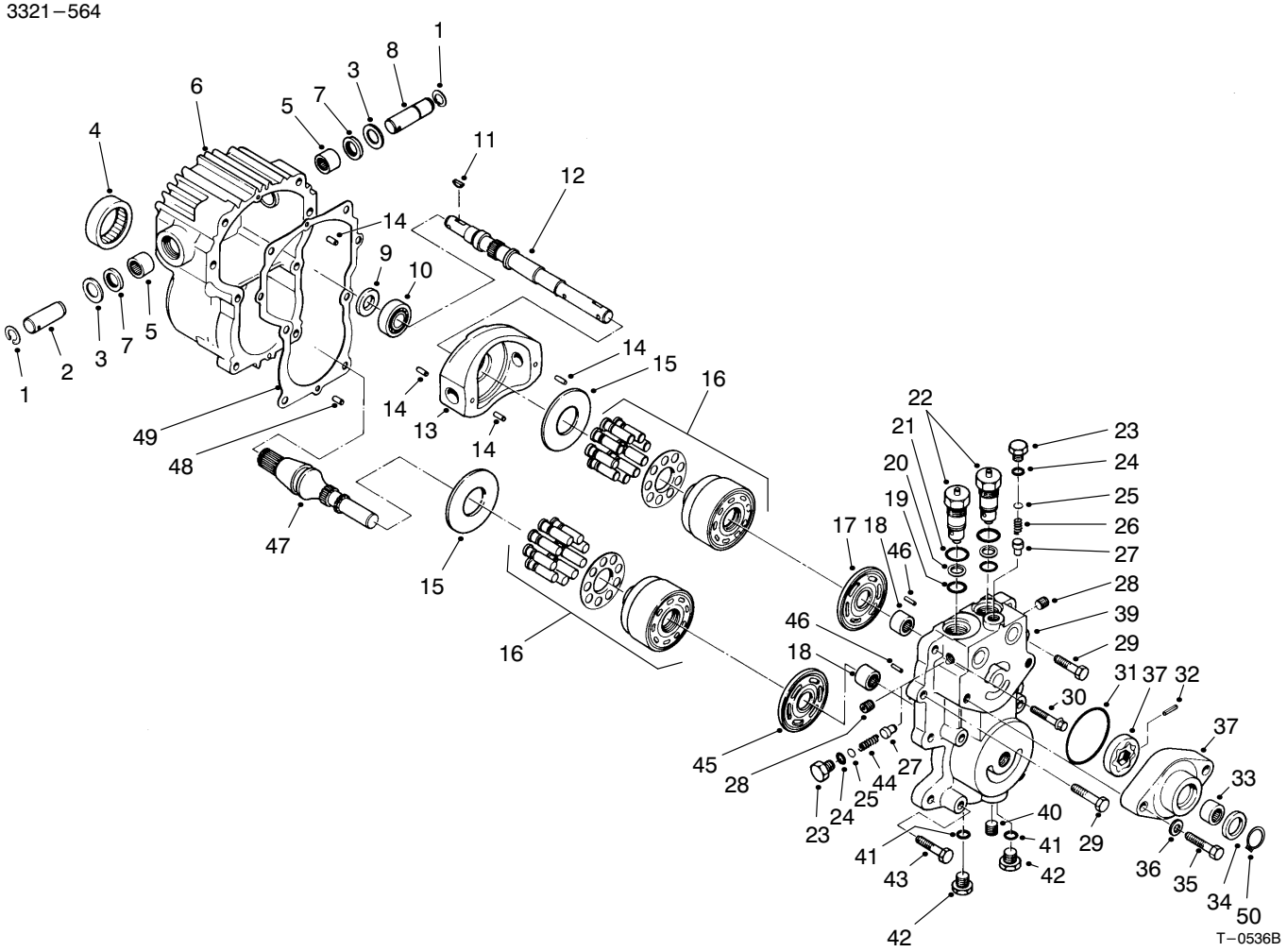


TRANSMISSION & DRIVE COUPLING ASM (Continued)

Ref. No.	Part No.	Description	No. Used
50	3220−7	Nut−Jam	1
51	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

3321–564

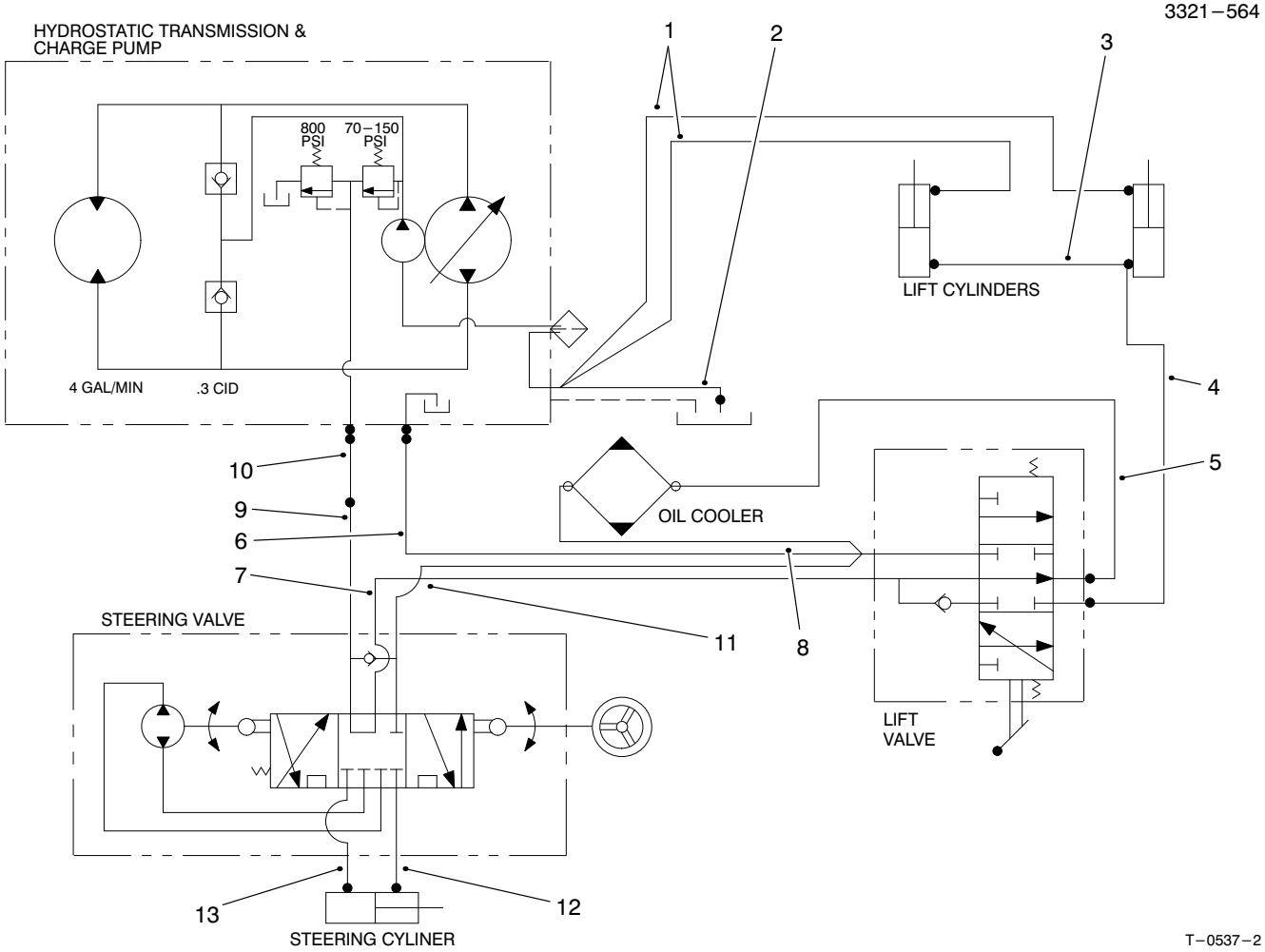


TRANSMISSION ASM NO. 92–5513

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	Hex Hd. Plug	2
24	28–3400	O–Ring	2
25	25–2470	Shim Pack	A/R
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)	1
39	92–5716	Center Section	1
40	92–5717	Plug–Pipe	1
41		O–Ring	2
42	28–3440	Threaded Plug (Incl. Ref. #41)	2
43	323–10	Screw–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.



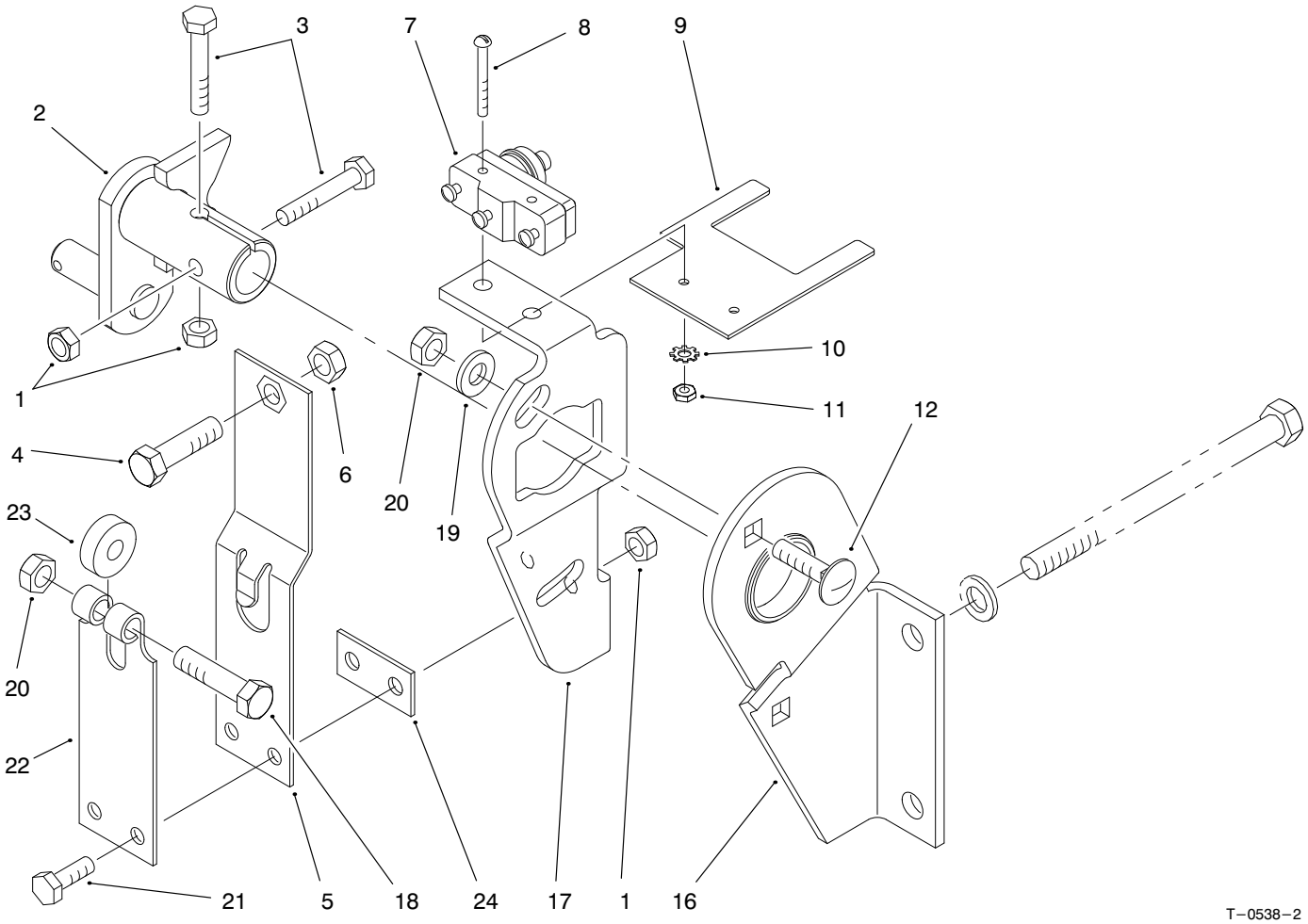
T–0537–2

HYDRAULIC SCHEMATIC

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

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

3321−564

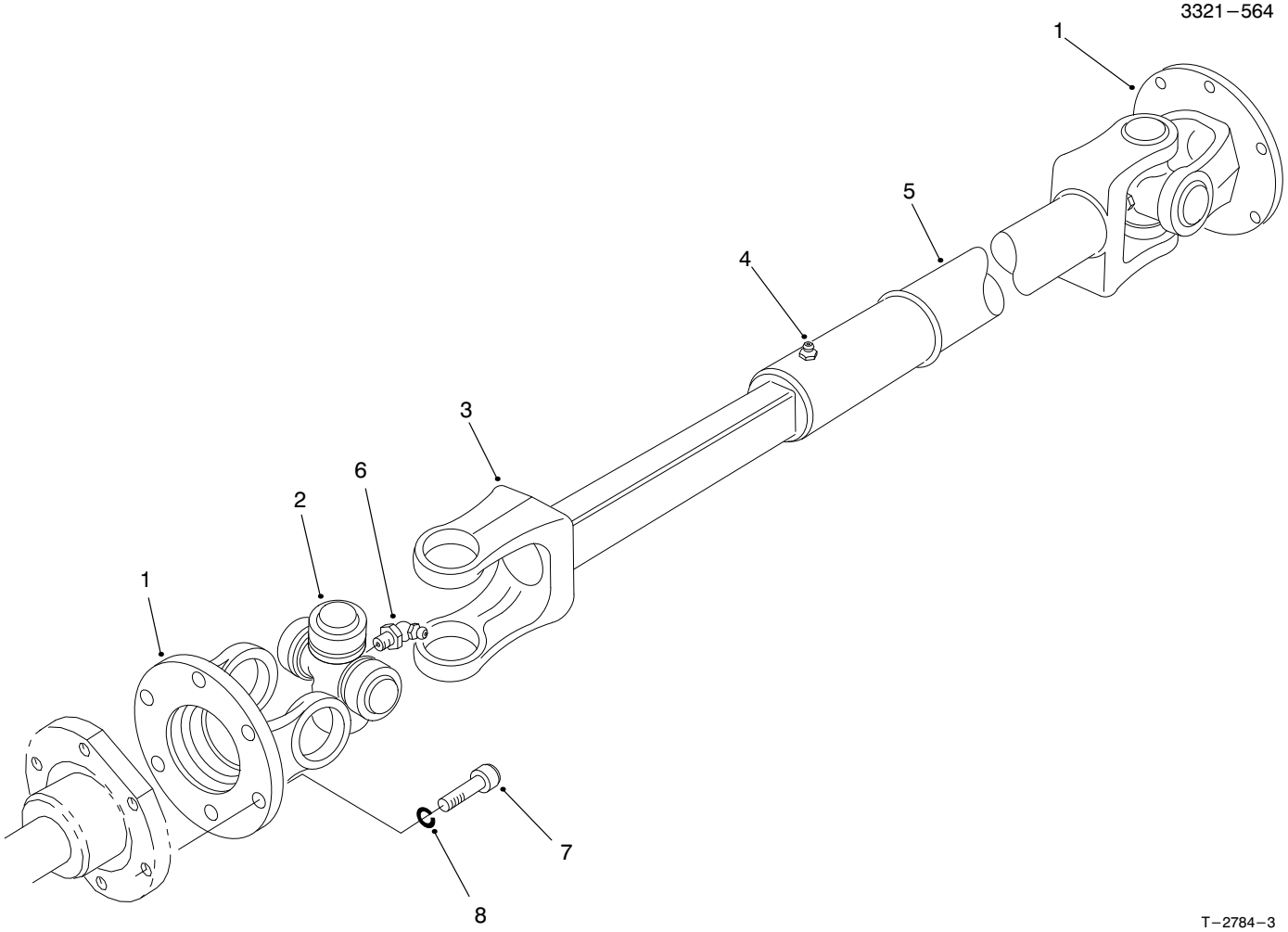


T−0538−2

TRANSMISSION INTERLOCK ASM

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	CARR−Bolt	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



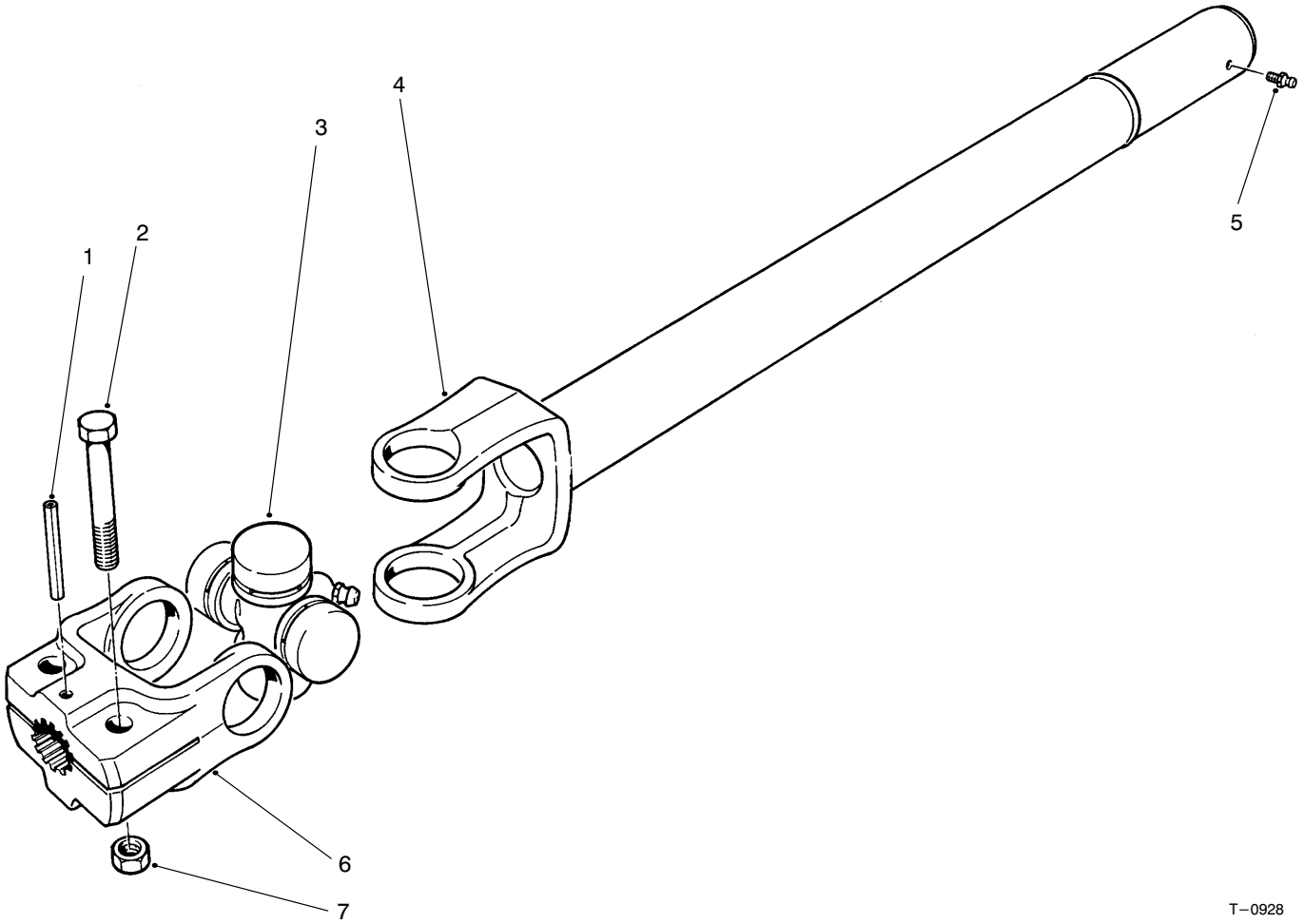
T−2784−3

DRIVE SHAFT ASM NO. 98−5009

Ref. No.	Part No.	Description	No. Used
1	72−3410	Yoke−Flange	2
2	54−9180	Kit−Universal Joint	2
3	72−3420	Shaft−Yoke, Slip	1
4	302−58	Fitting−Grease	1
5	72−3431	Tube−Yoke, Slip	1
6	62−3820	Fitting−Grease 65˚	2

Ref. No.	Part No.	Description	No. Used
†7	3274−64	Screw−HSH	6
†8	3253−3	Washer−Lock	6
*	92−5096	Asm−Joint & Shaft (Incl. Ref. #1−3 & 6)	1
*	98−5009	Driveshaft (Complete)	1

* Not Illustrated
† Order Item Separately

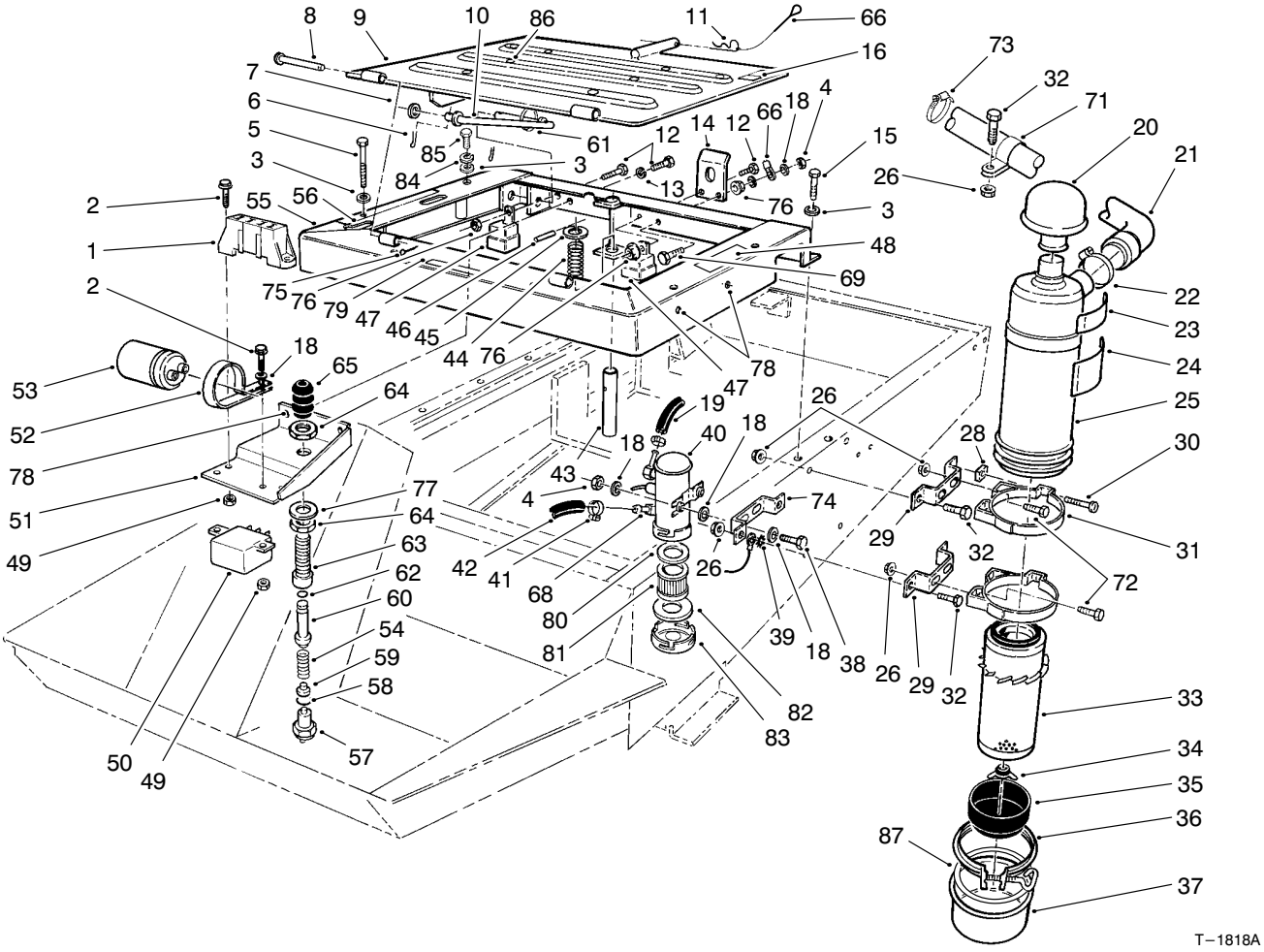


T−0928

FULL TIME 4WD DRIVE SHAFT ASM NO. 92−9075 (Opt.)

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

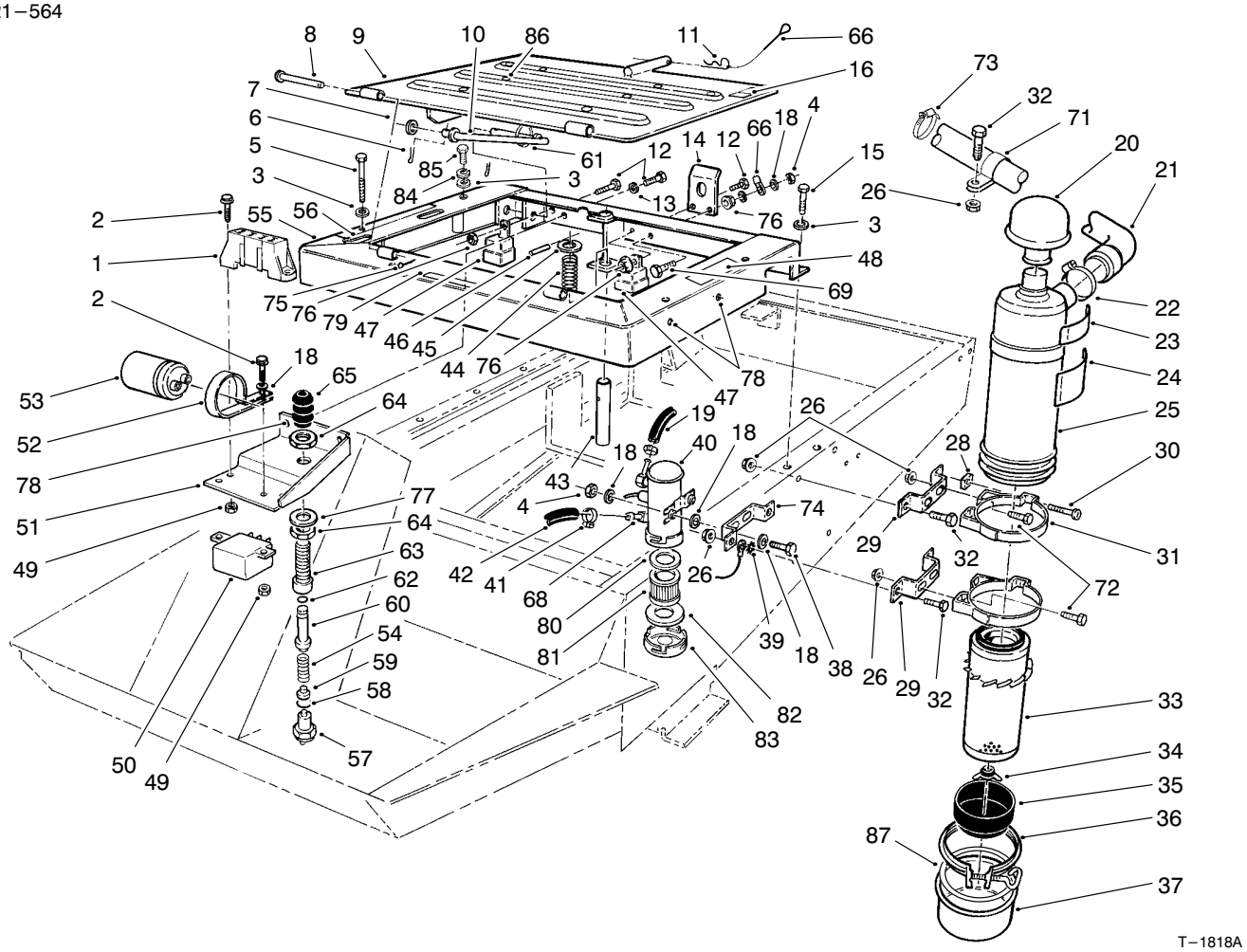
Ref. No.	Part No.	Description	No. Used
5	302−58	Fitting−Grease	1
6	72−3450	Yoke−Flange, Split	1
7	32153−2	Nut−Lock	2



SEAT FRAME & AIR CLEANER ASM

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	4
6	3272−11	Pin−Cotter	2
7	3256−24	Washer−Flat	1
8	283−49	Pin−Clevis	2
9	92−5759	Plate−Seat (Incl. Ref. #86)	1
10	66−2800	Rod−Seat Support	1
11	3290−255	Pin−Hair, Cotter	1
12	321−4	Screw−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 Only	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
24	27−7160	Decal−Instructions	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	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
48	93−7841	Decal−Caution (Europe)	1
49	3296−12	Nut−Lock	4

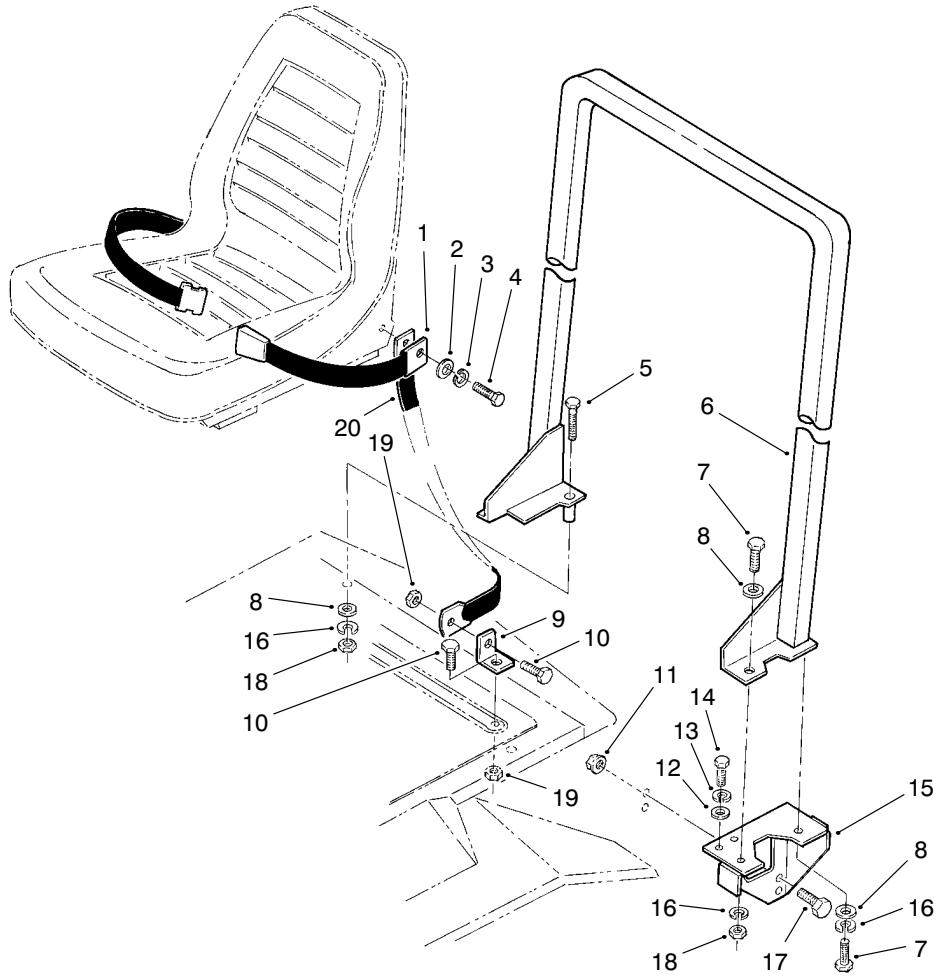


SEAT FRAME & AIR CLEANER ASM (Continued)

Ref. No.	Part No.	Description	No. Used
50	66−8800	Relay	1
51	92−7892	Bracket−Switch, Seat	1
52	2412−74	R−Clamp	1
53	37−2690	Capacitor	1
54	43−8600	Spring−Compression	1
55	92−8877	Asm−Seat Frame (Incl. Ref. #48, 56, 78 & 79)	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−Hex. Flange	3
77	3256−69	Washer−Flat	1
78	32148−6	Nut−Clinch	6
79	92−5773	Decal−Starting Instructions	1
79	93−7801	Decal−Starting Instructions (Europe)	1
80	43−2570	Gasket	1
81	43−2550	Filter	1
82	43−2560	Gasket	1
83	43−2580	Magnet	1
84	3253−4	Washer−Lock	2
85	322−14	Screw−HH	2
86	32148−9	Nut−Clinch	2
87	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



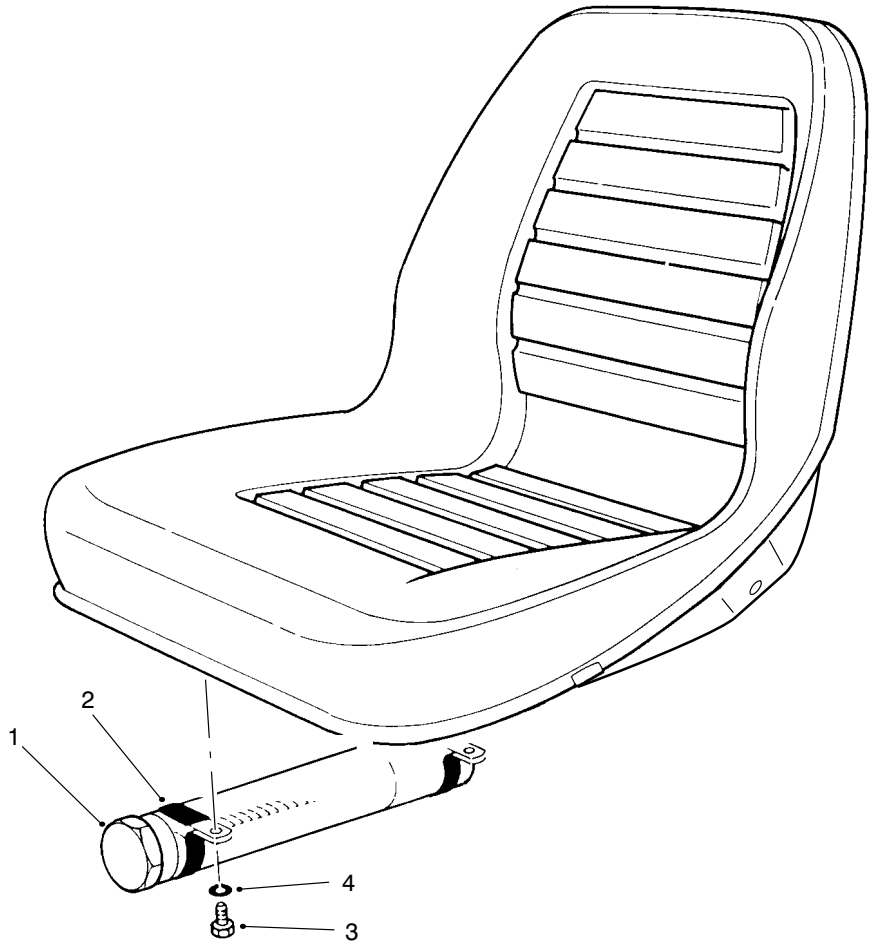
T−1690

ROLL OVER PROTECTION SYSTEM (R.O.P.S.) ASM

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

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

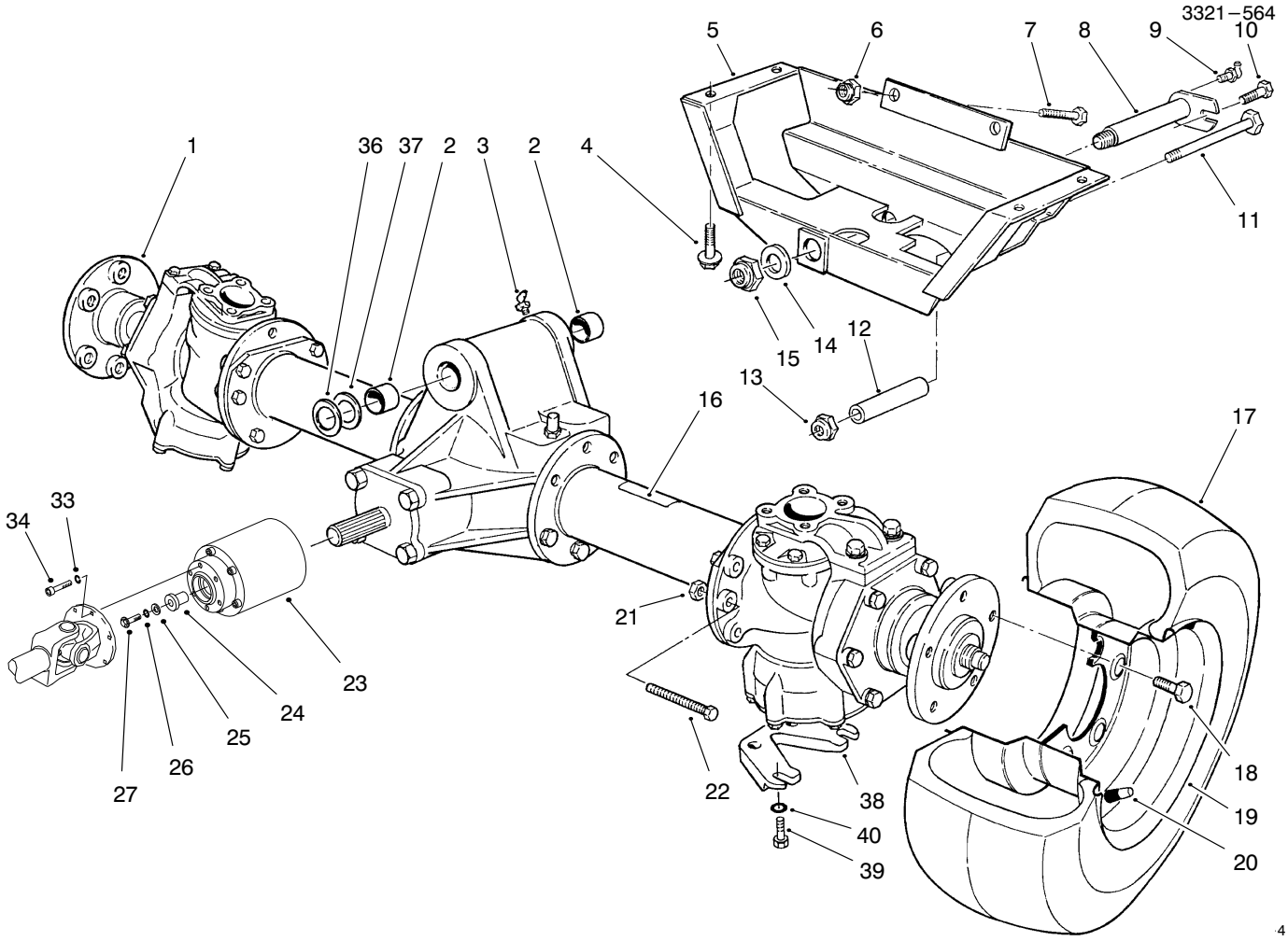
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T−1692

MANUAL STORAGE ASM

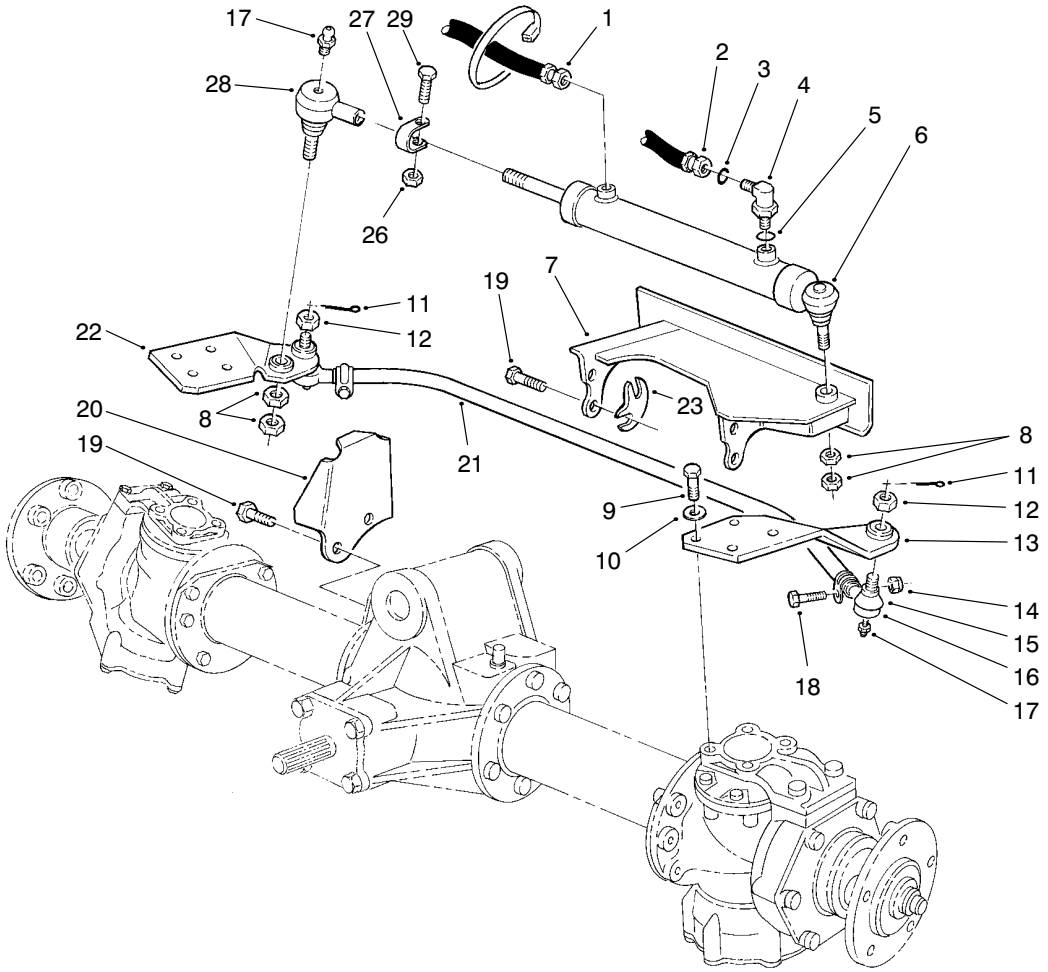
Ref. No.	Part No.	Description	No. Used
1	74−0720	Tube−Manual	1
2	2412−133	R−Clamp	2
3	322−5	Screw−HH	2
4	3256−23	Washer−Flat	2



REAR AXLE INSTALLATION ASM

Ref. No.	Part No.	Description	No. Used
1	68−6824	Asm−Rear Axle	1
2	67−1750	Bushing	2
3	302−59	Plug−Grease	1
4	3234−25	Screw−Flange	4
5	92−5053	Frame−Rear	1
6	3296−25	Nut−Lock	2
7	325−5	Screw−HH	2
8	92−5050	Pin−Rear Axle	1
9	302−33	Fitting−Grease 90°	1
10	32144−14	Screw−HH	1
11	325−23	Screw−HH	1
12	92−5090	Stop−Rear Axle	1
13	3296−45	Nut−Lock	1
14	71−4540	Washer	1
15	3296−51	Nut−Lock	1
16	70−2560	Decal−Lube	1
16	93−6697	Decal−Lube (Europe)	1
17	231−122	Tire	2

Ref. No.	Part No.	Description	No. Used
18	71−4450	Bolt−Wheel	10
19	217−106	Wheel	2
20	232−27	Stem−Valve	2
21	48−7960	Nut	2
22	71−4690	Screw−HH	2
23	95−6296	Clutch−Bidirectional	1
24	98−1823	Spacer	1
25	33094−00	Washer−Flat	1
26	3253−4	Washer−Lock	1
27	33104−040	Bolt	1
33	3253−3	Washer−Lock	6
34	3274−64	Screw−HH	6
36	56−2460	Washer−Flat	A/R
37	5−1226	Washer	A/R
38	93−1395	Plate−Skid	2
39	48−7730	Screw−HH	4
40	3256−23	Washer−Flat	4

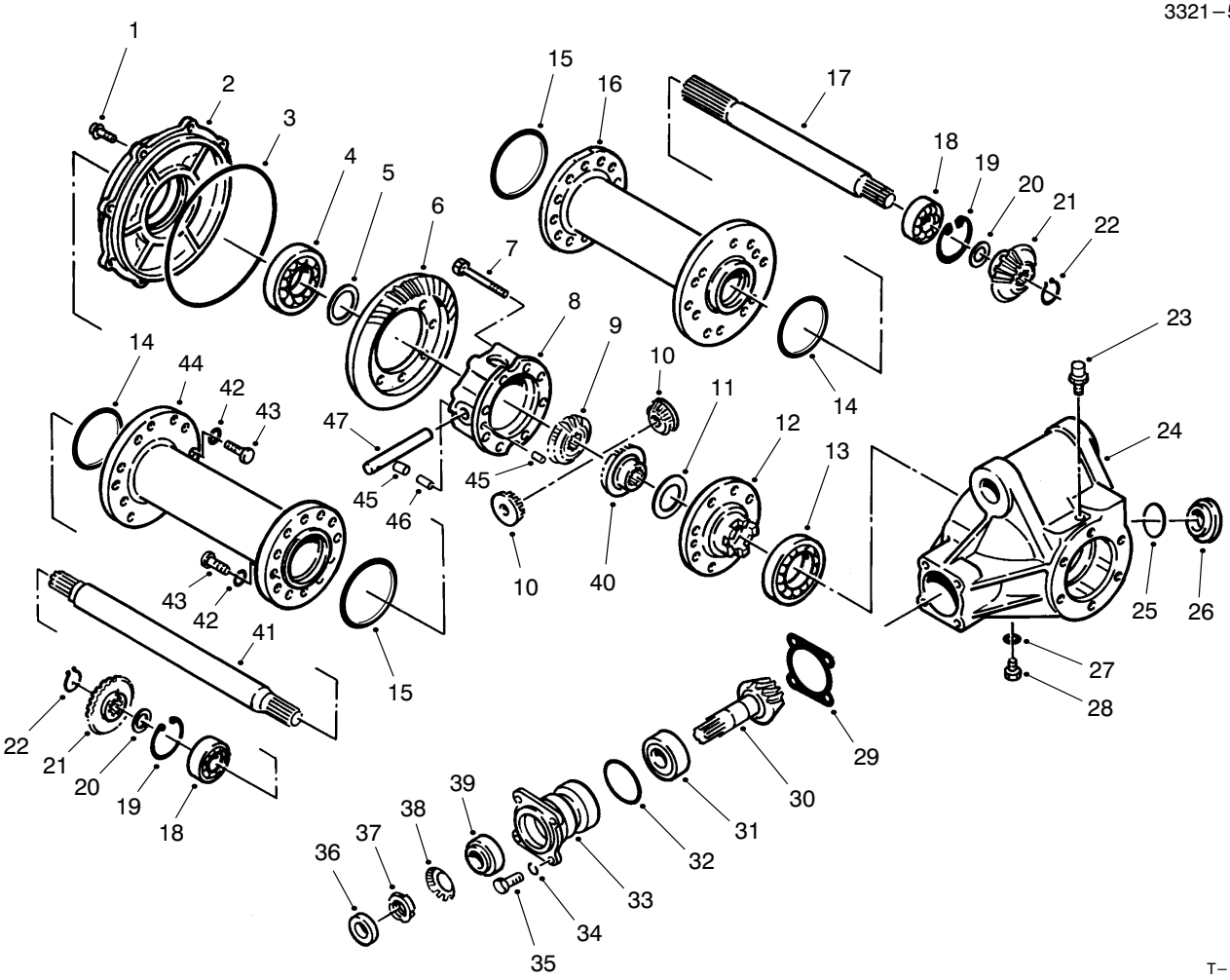


T−1693−3

STEERING LINKAGE ASM

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

Ref. No.	Part No.	Description	No. Used
16	2411−45	Rod End (Incl. Ref. #12, 15 & 17)	2
17	302−55	Fitting−Grease	3
18	323−9	Screw−HH	2
19	3215−3	Screw	6
20	92−5511	Stop−Oscillation	1
21	71−4750	Asm−Tube & Clamp	1
*	71−4530	Asm−Tie Rod (Incl. Ref.#12, 14, 15, 16, 17, 18 & 21)	1
22	92−5070	Arm−Steering RH	1
23	83−5180	Shim−Axle	A/R
26	3296−4	Nut−Lock	1
27		Clamp−Rod End	1
28	92−5072	Asm−Rod End (Incl. Ref.#17, 26−27 & 29)	1
29	3210−7	Screw−HH	1



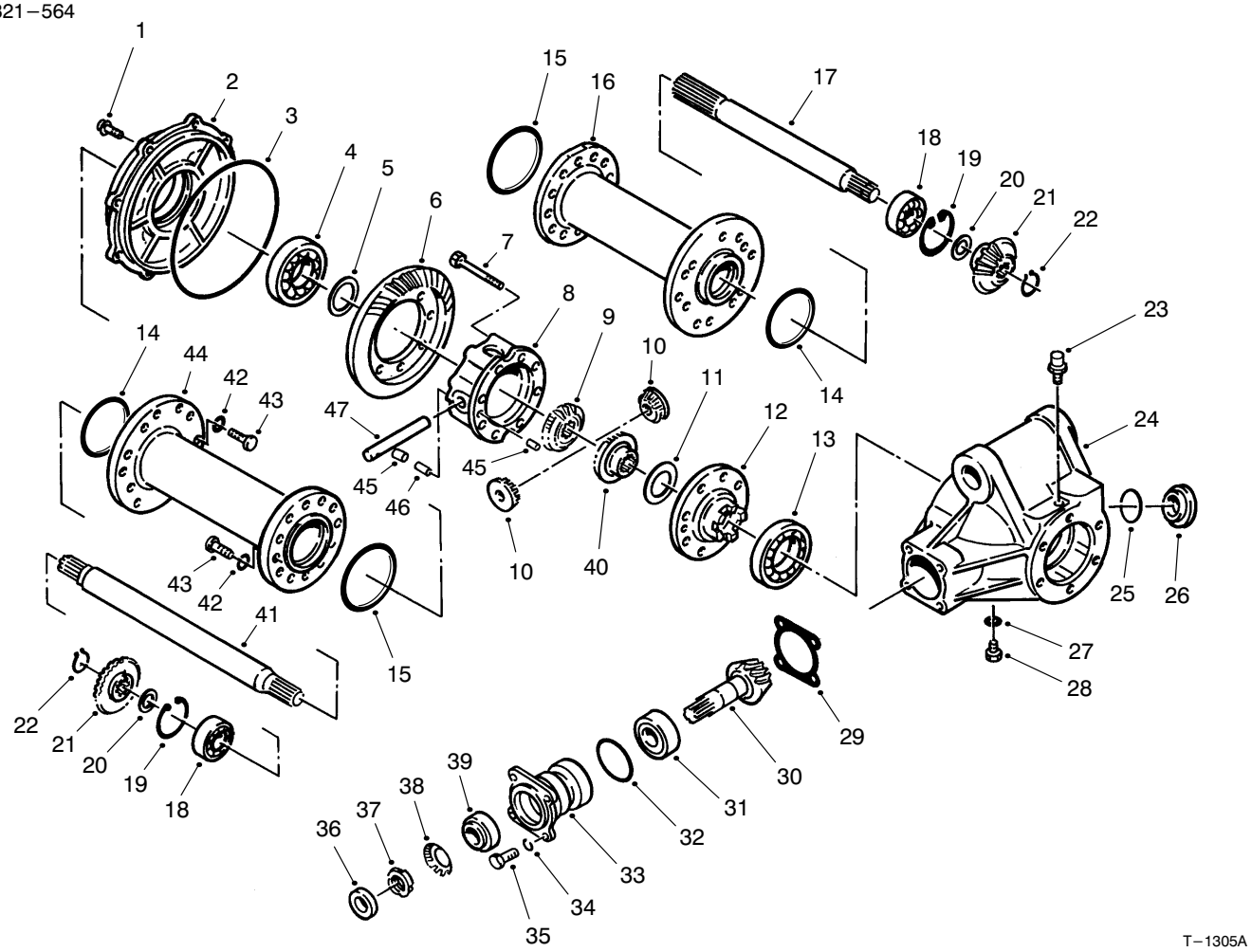
T−1305A

REAR AXLE ASM NO. 68−6824

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

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

3321−564

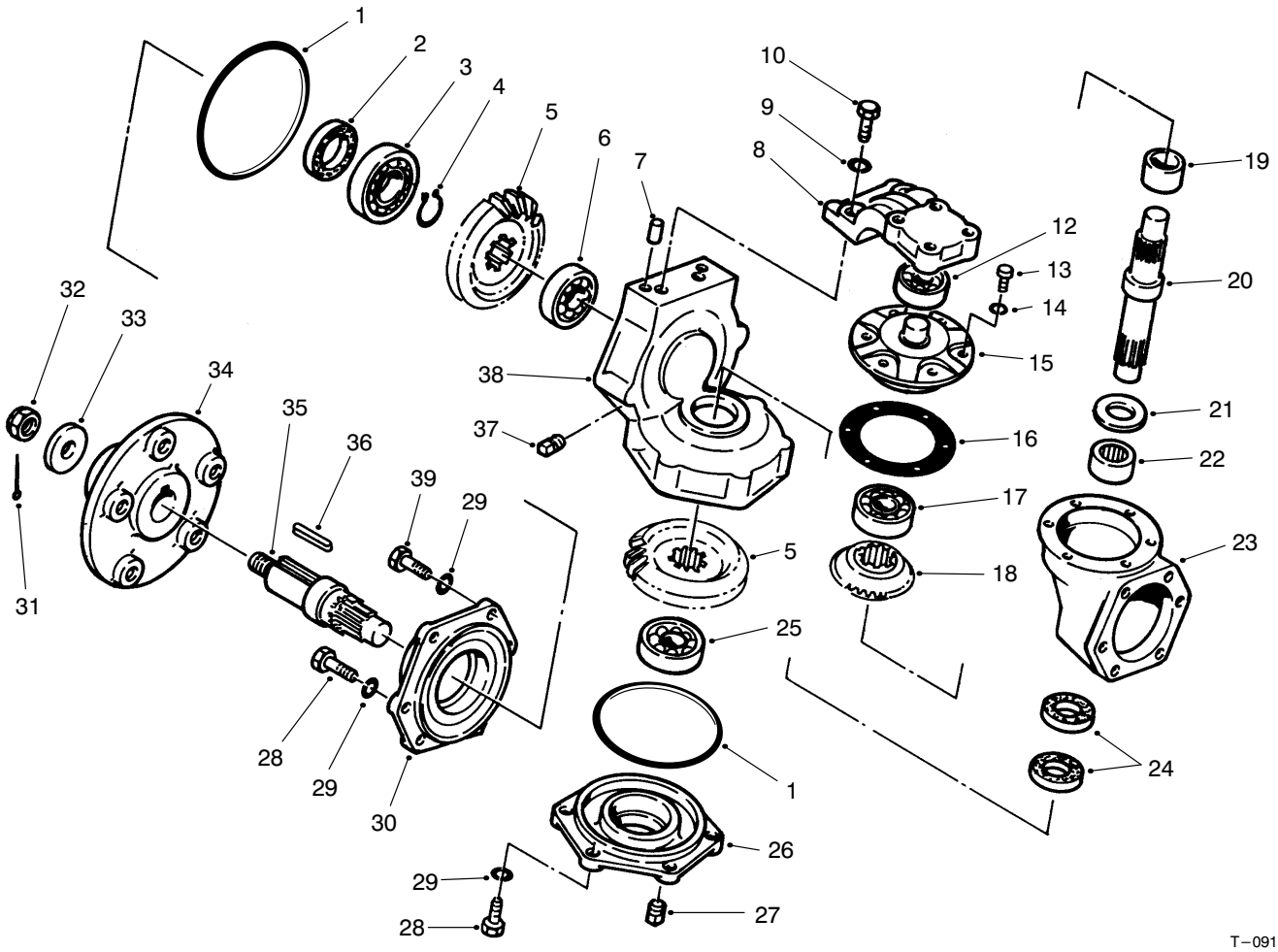


T−1305A

REAR AXLE ASM NO. 68−6824 (Continued)

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

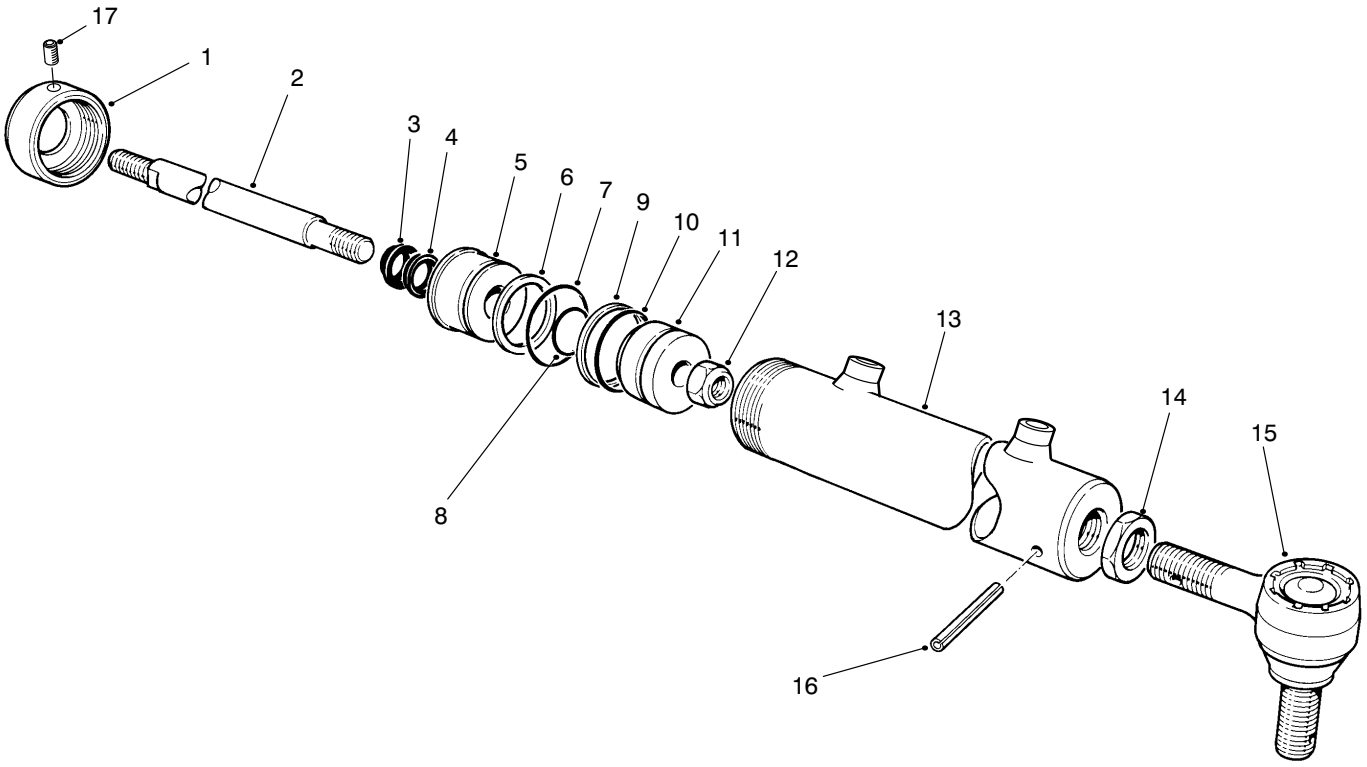
Ref. No.	Part No.	Description	No. Used
46	72−5440	Pin −Spring	1
47	72−5020	Shaft−Pinion	1
*	83−5370	Asm−Ring & Pinion (Incl. Ref.#6 & 30)	1



REAR AXLE ASM NO. 68−6824 (Continued)

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

Ref. No.	Part No.	Description	No. Used
21	93−3668	Washer−Thrust	2
22	93−3669	Bearing−Needle	2
23	93−3666	Gear Box−Axle	2
24	72−5730	Seal−Oil	4
25	251−263	Bearing−Ball	2
26	72−5550	Cover	2
27	281−10	Plug−Socket, Hex.	2
28	48−9460	Screw−Cap	20
29	42−9850	Washer−Lock	28
30	72−5540	Case−Knuckle	2
31	3272−17	Pin−Cotter	2
32	72−5770	Nut−Castle	2
33	72−5660	Washer−Shaft, Wheel	2
34	72−5650	Hub−Wheel	2
35	72−5570	Shaft−Axle, Outer	2
36	72−5780	Key	2
37	95−3347	Plug−Pipe, Square Hd.	2
38	93−3667	Case−Knuckle	2
39	48−7710	Screw−Cap	4



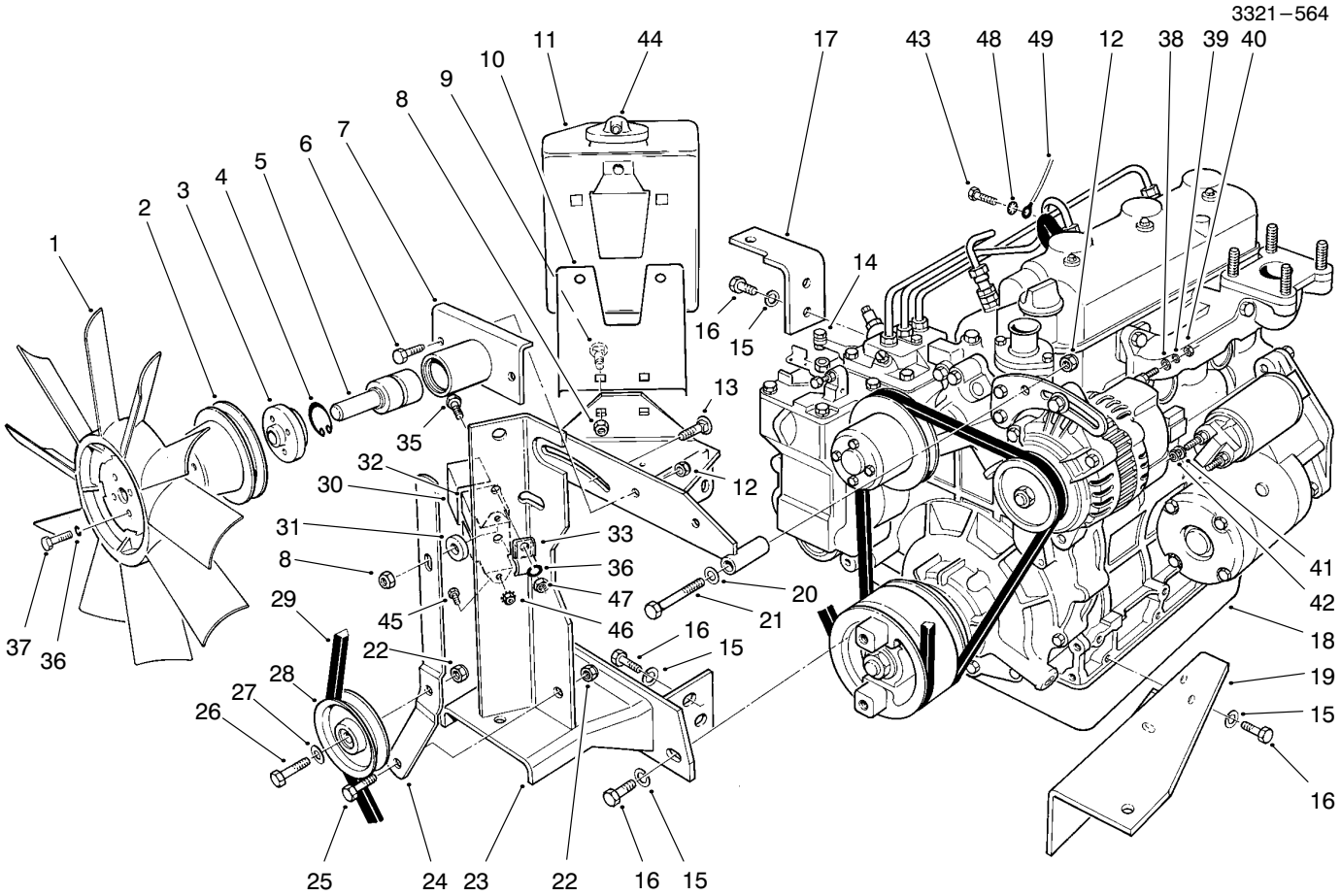
T−1694

HYDRAULIC CYLINDER NO. 92−5529

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

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

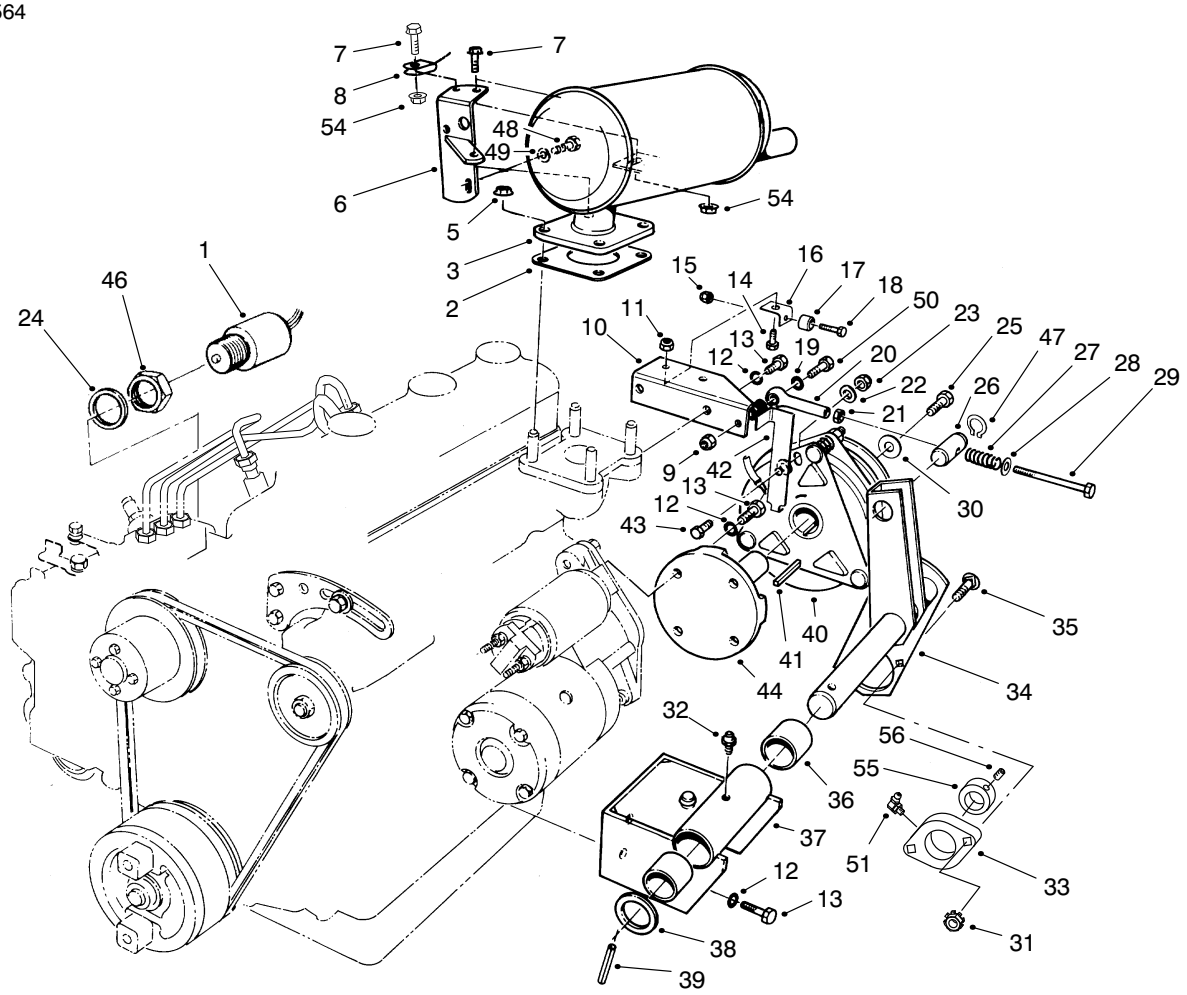
* Not Illustrated
† Not Serviceable Separately



ENGINE ASM

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–CARR	2
10	66–2440	Plate–Reservoir	1
11	63–7380	Asm–Expansion Tank (Incl. Ref. #44)	1
12	3296–29	Nut–Lock	3
13	3230–2	Bolt–CARR	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	98–7220	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	98–2334	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	5–0652	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



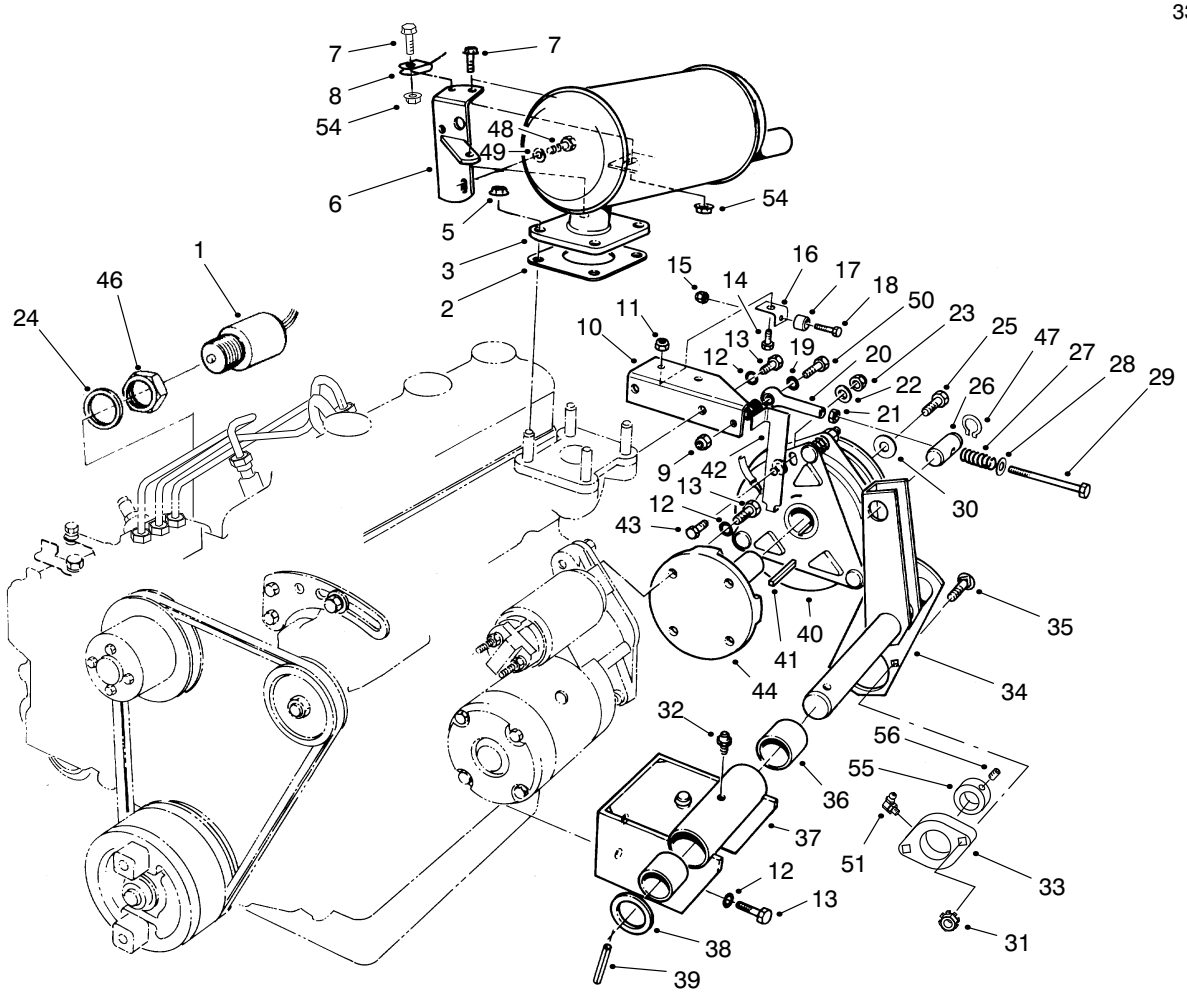
T−0543−3

POWER TAKE OFF ASM

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	2
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−HH	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−CARR	2
36	256−299	Bushing	2
37	67−1800	Asm−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



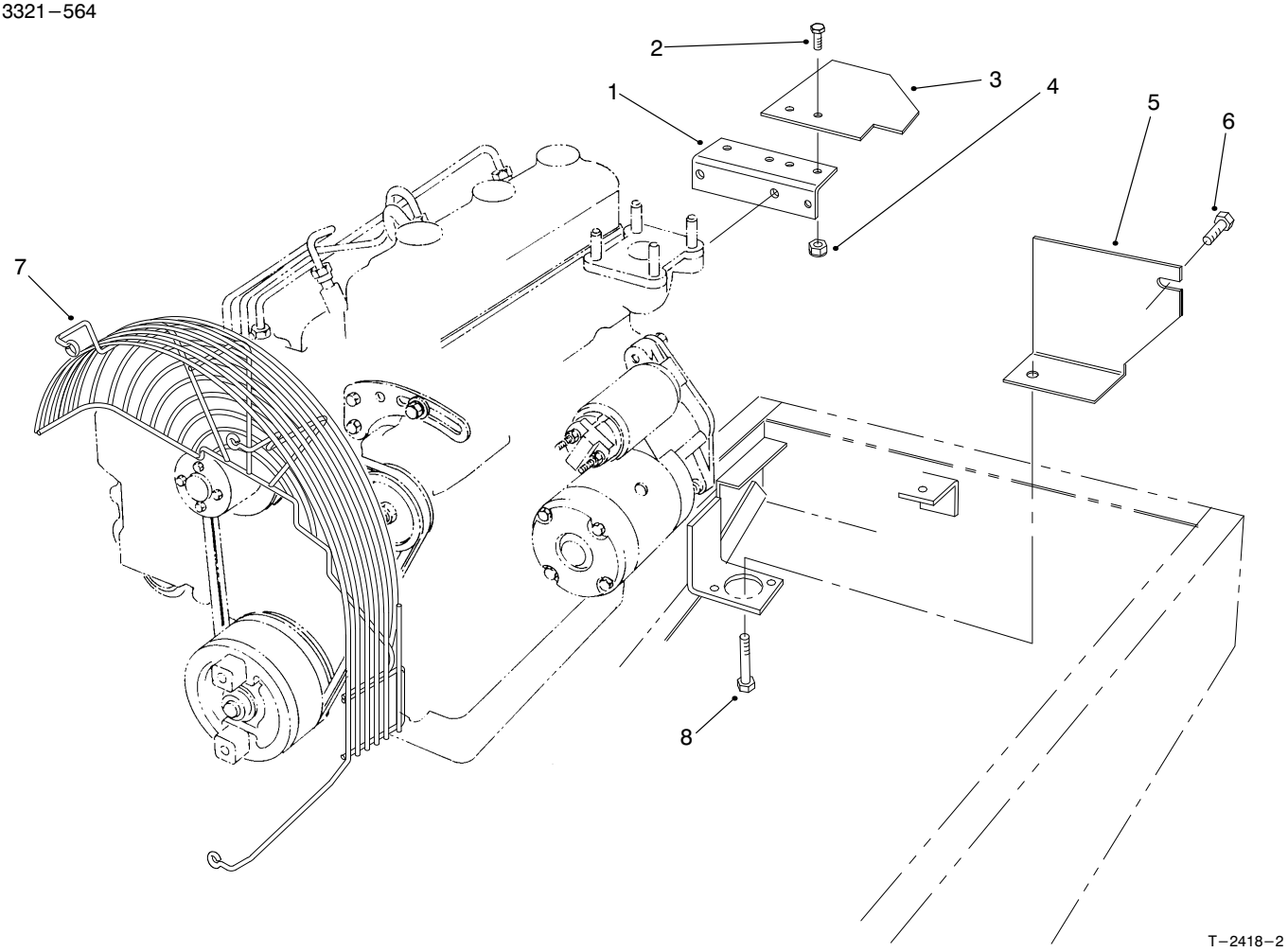
T−0543−3

POWER TAKE OFF ASM (Continued)

Ref. No.	Part No.	Description	No. Used
50	322−6	Screw−HH	1
51	302−40	Fitting−Grease	1
54	32128−25	Nut−Lock	2

Ref. No.	Part No.	Description	No. Used
55	251−77	Collar−Locking	1
56	3245−35	Screw−Set	1

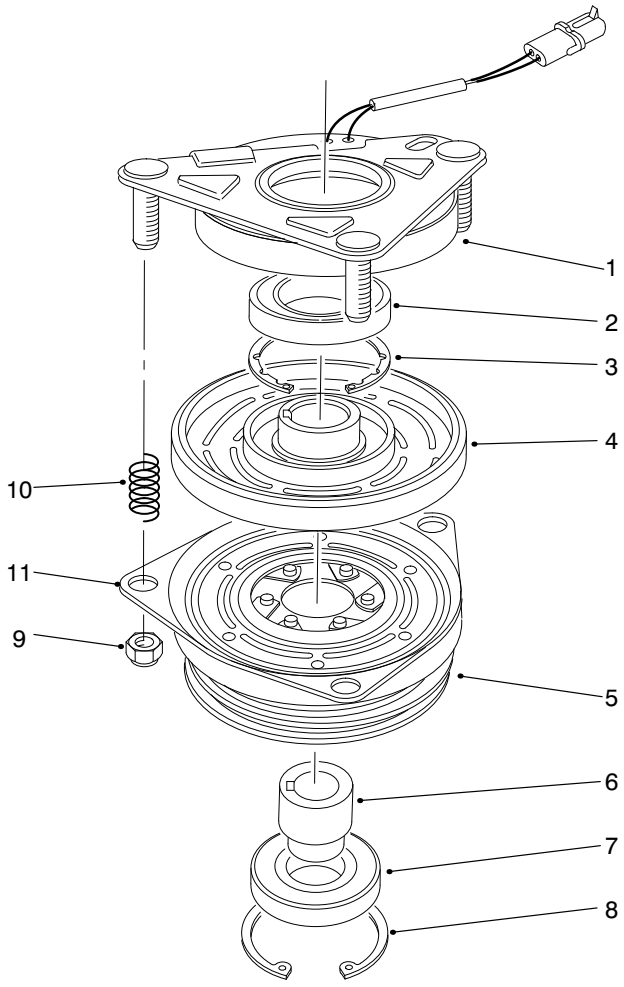
* Not Illustrated



CE ENGINE COMPONENT ASM (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

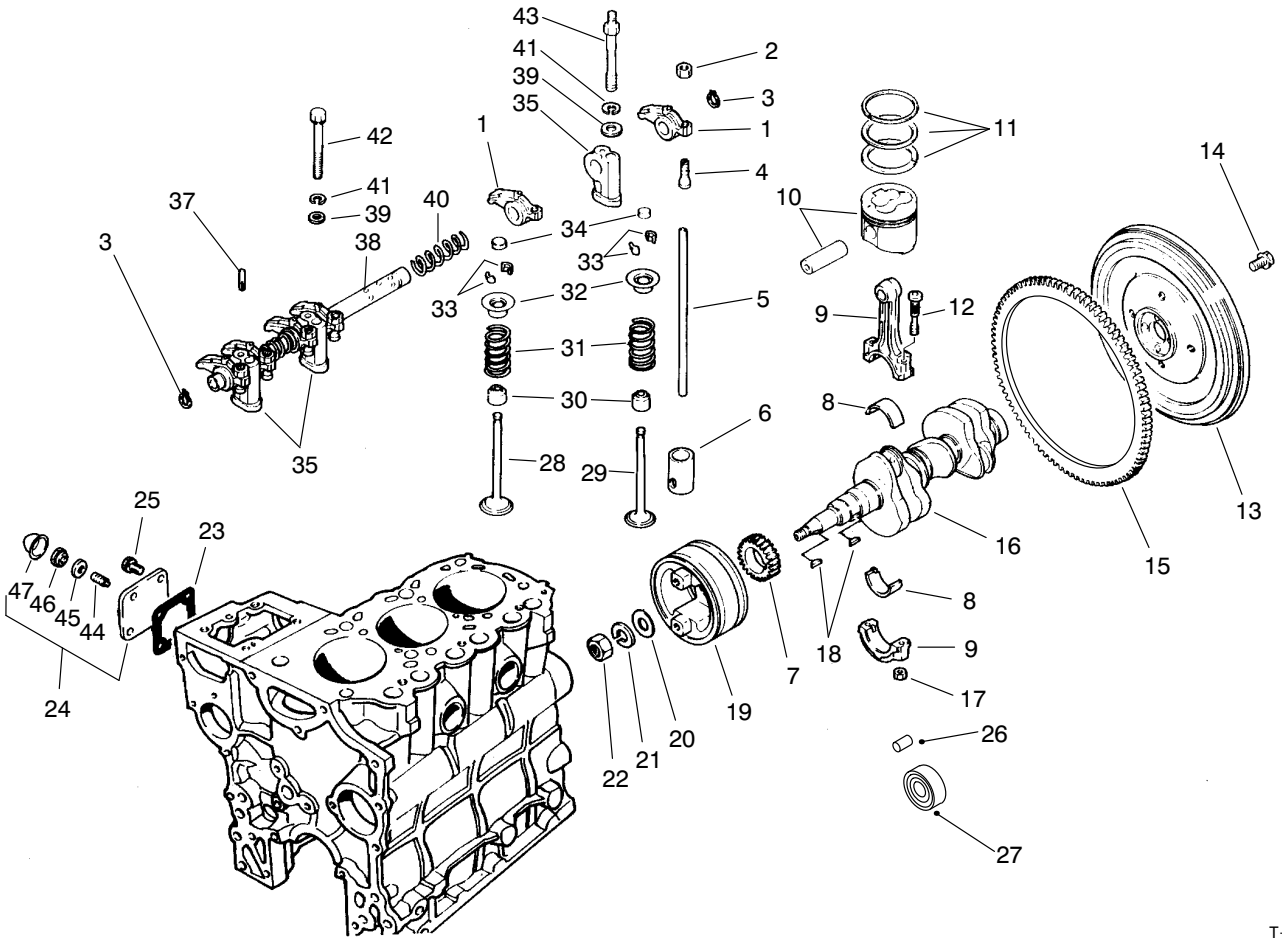
Ref. No.	Part No.	Description	No. Used
5	93−9997	Guard−Flywheel	1
6	93−9992	Screw−HH	1
7	93−9949	Guard−Fan	1
8	323−12	Screw−HH	1



T−0544−2

CLUTCH ASM 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		Asm−Field Coil	1
5	67−7070	Asm−Armature & Pulley (Incl. Ref. #6−8)	1
6	67−7080	Collar−Bearing	1
7	67−7090	Bearing−Pulley	1
8	67−7060	Ring−Retaining	1
9	3296−6	Nut−Lock	3
10	44−8320	Spring	3
11	67−7100	Plate−Brake	1



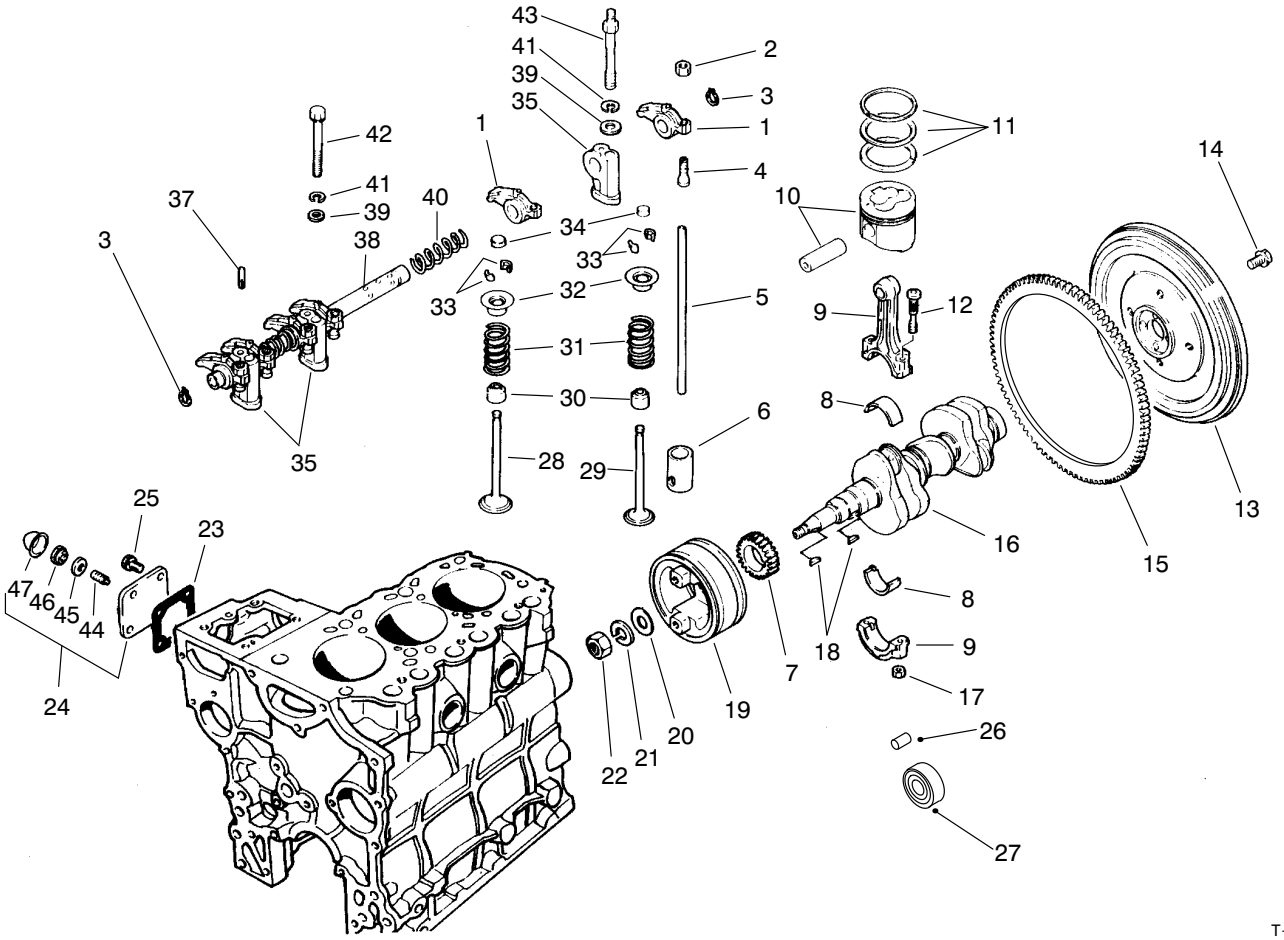
T−0565

VALVES AND CRANKSHAFT ASM

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−Connecting Rod (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
14	67−2990	Bolt	4

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

* Not Illustrated

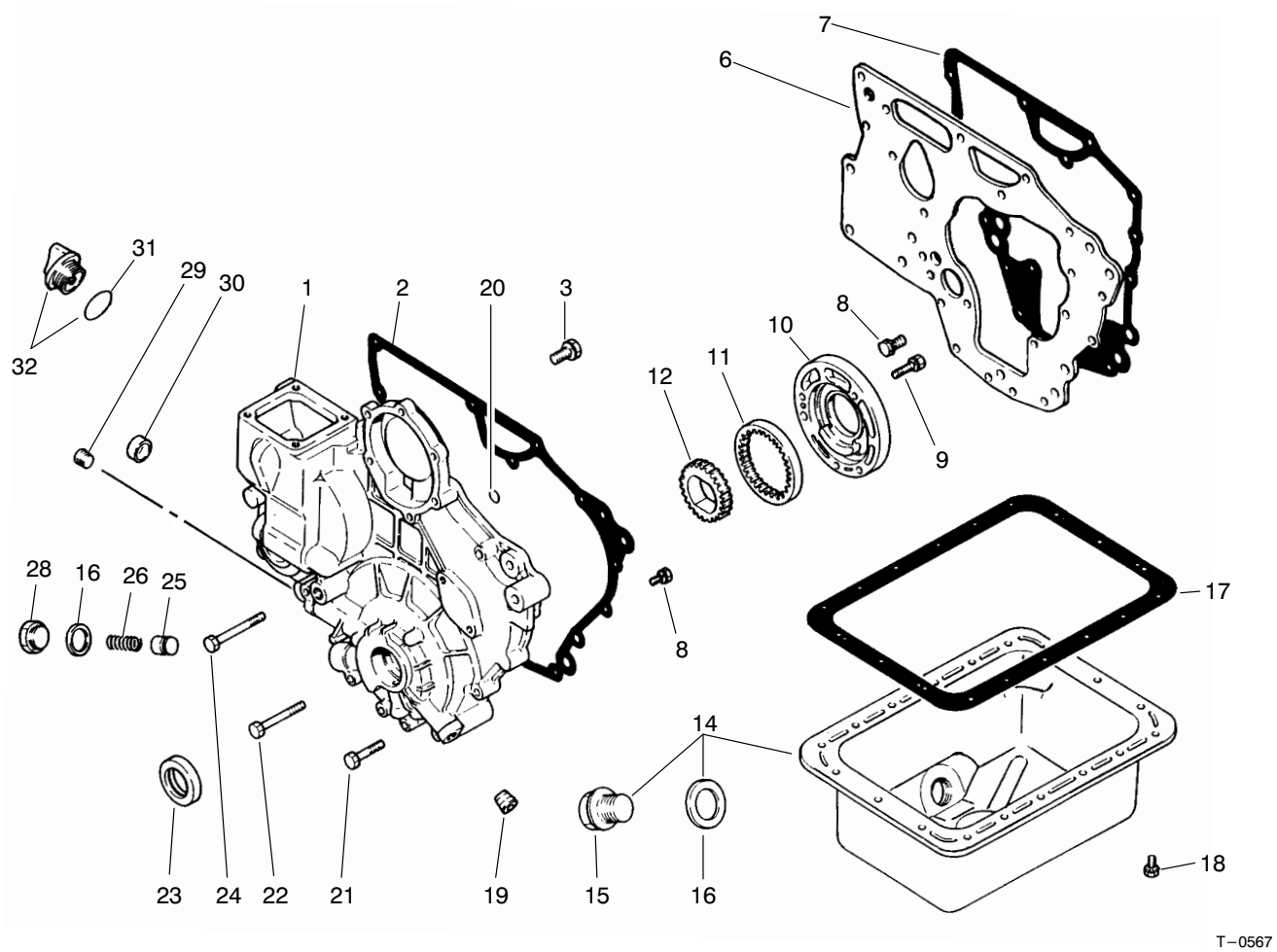


T−0565

VALVES AND CRANKSHAFT ASM (Continued)

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

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



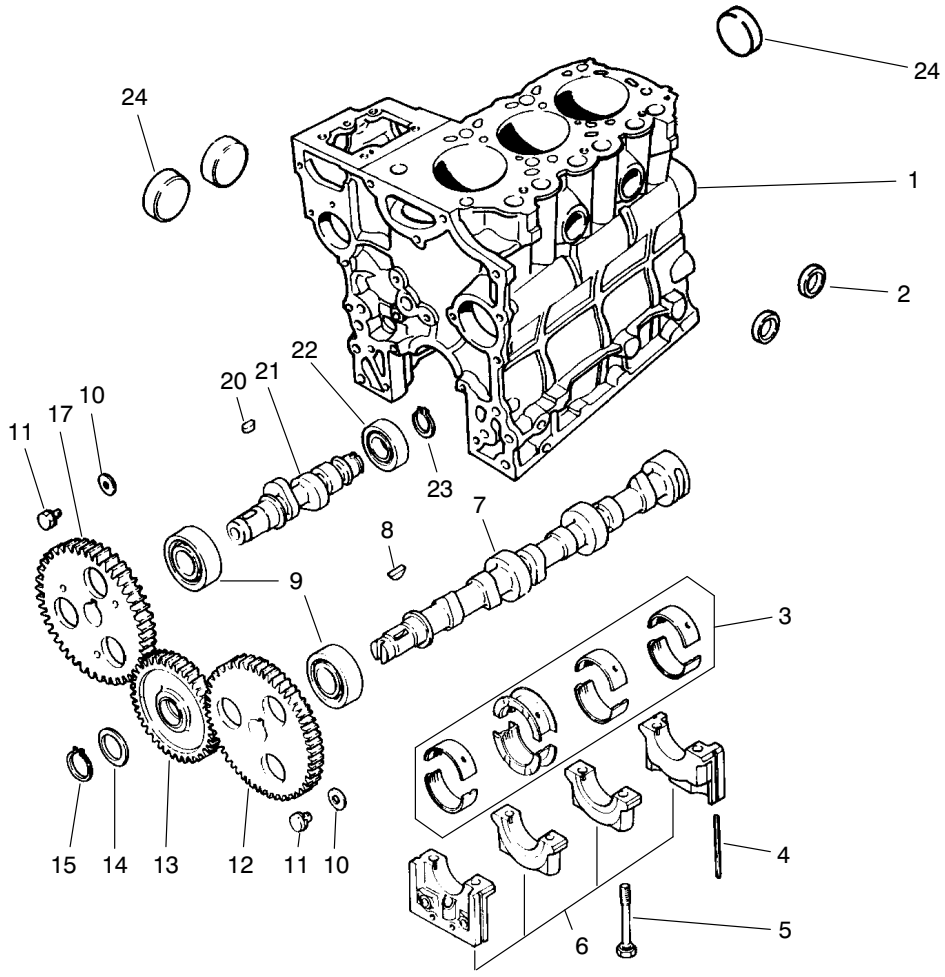
T−0567

CRANKCASE ASM

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, Engine	1

* Not Illustrated

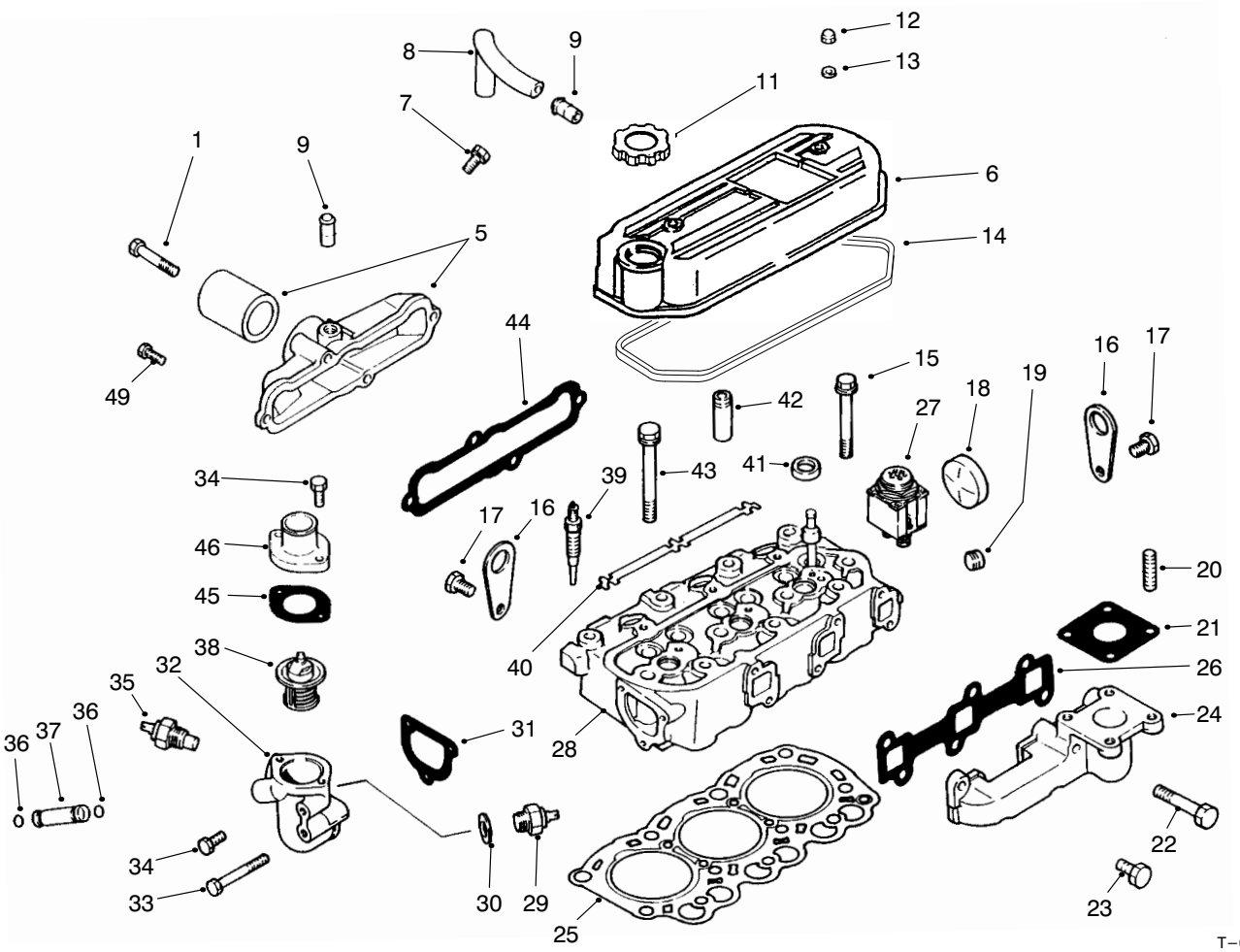


T−0564

CAMSHAFT ASM

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
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

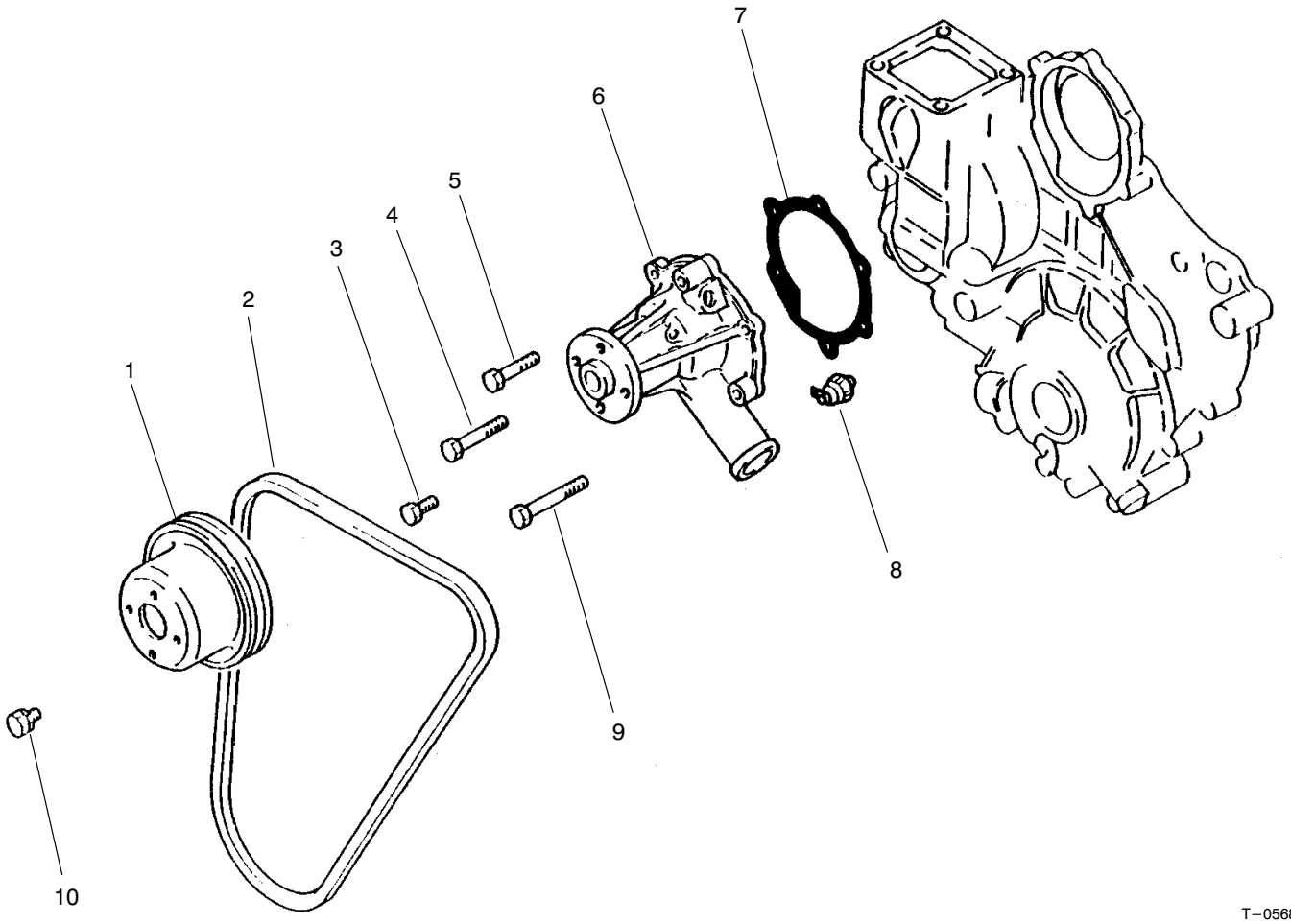
* Not Illustrated



CYLINDER HEAD ASM

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

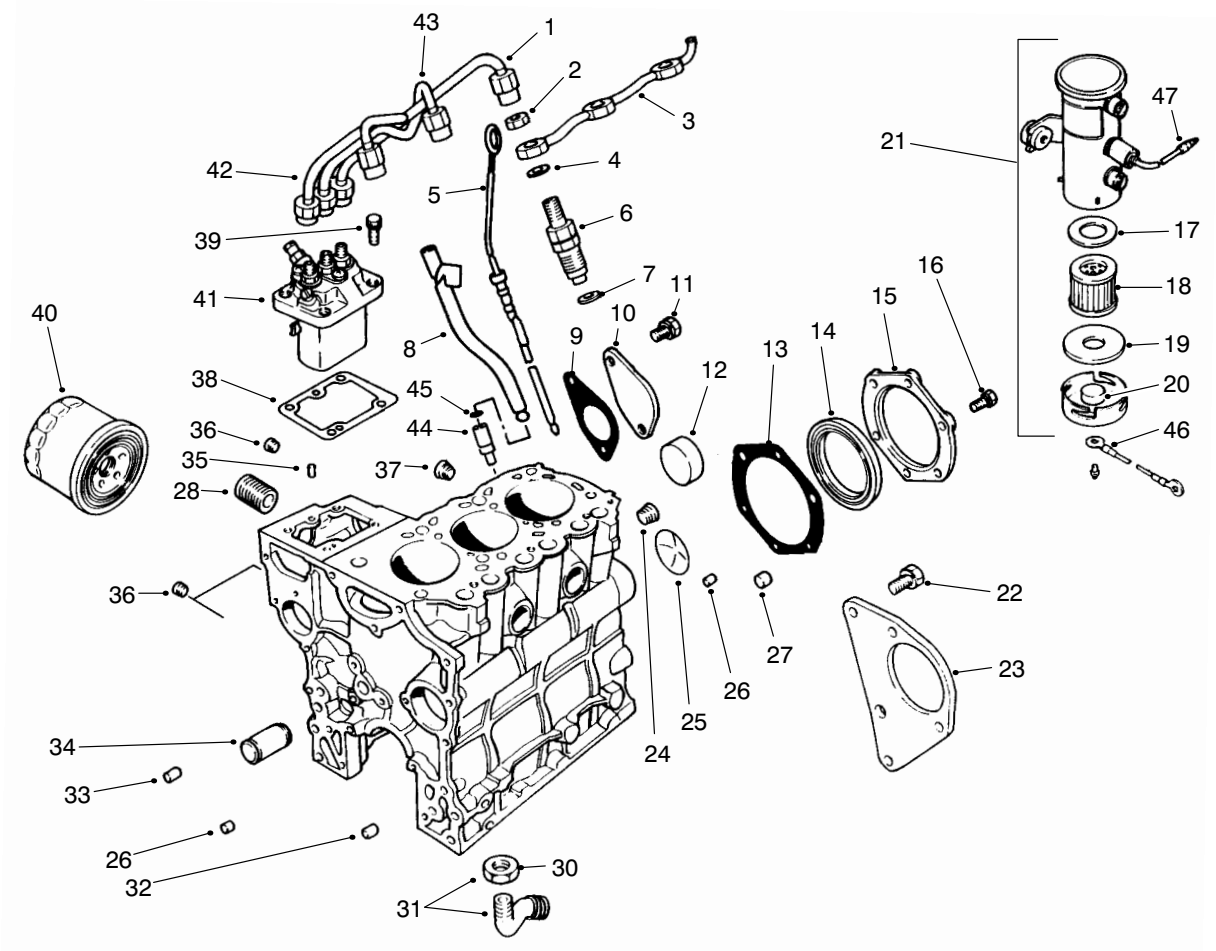


T–0568

WATER PUMP ASM

Ref. No.	Part No.	Description	No. Used
1	67–4360	Pulley–Water Pump	1
2	98–2947	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



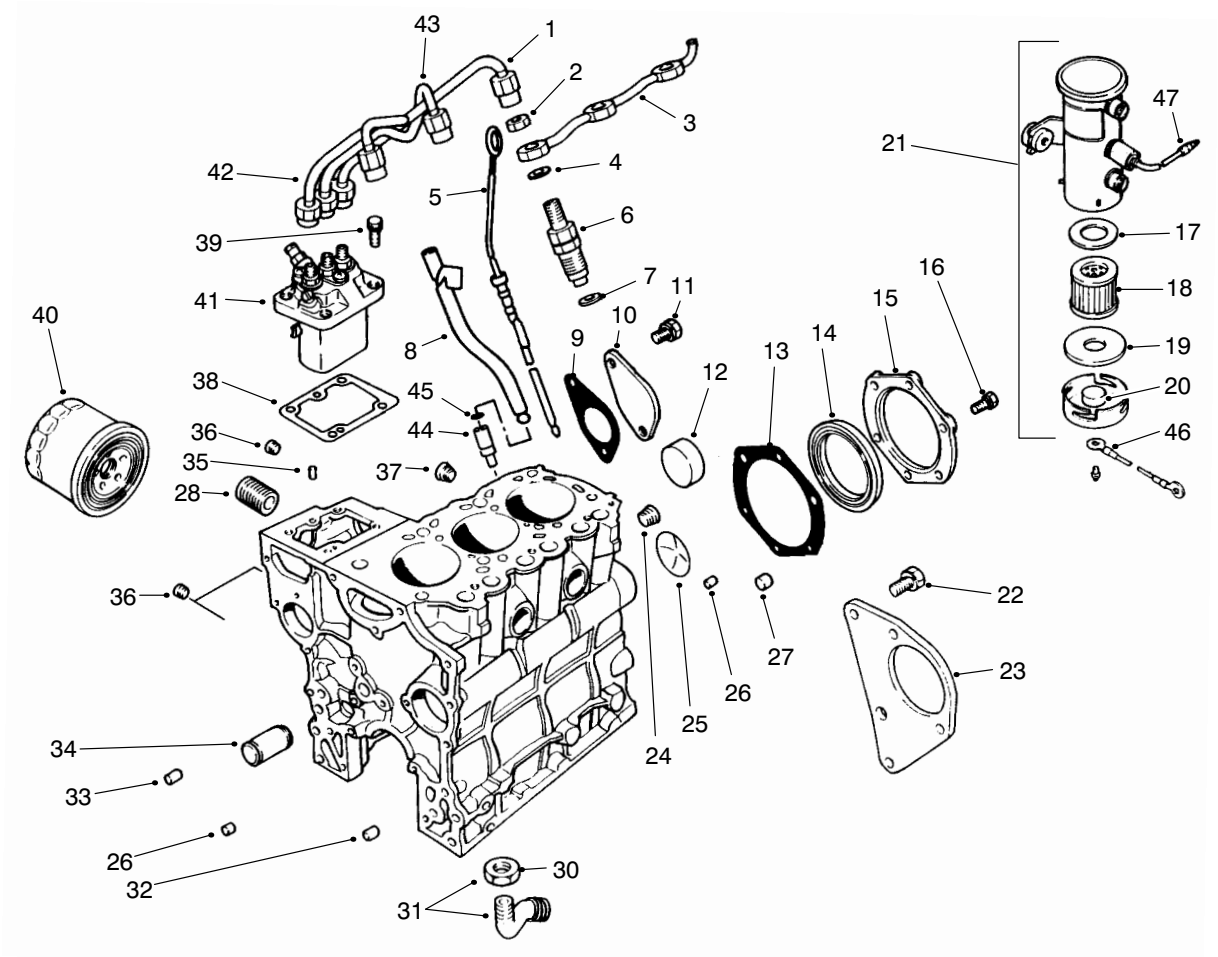
T−0569−3

FUEL SUPPLY & ENGINE BLOCK ASM

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	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



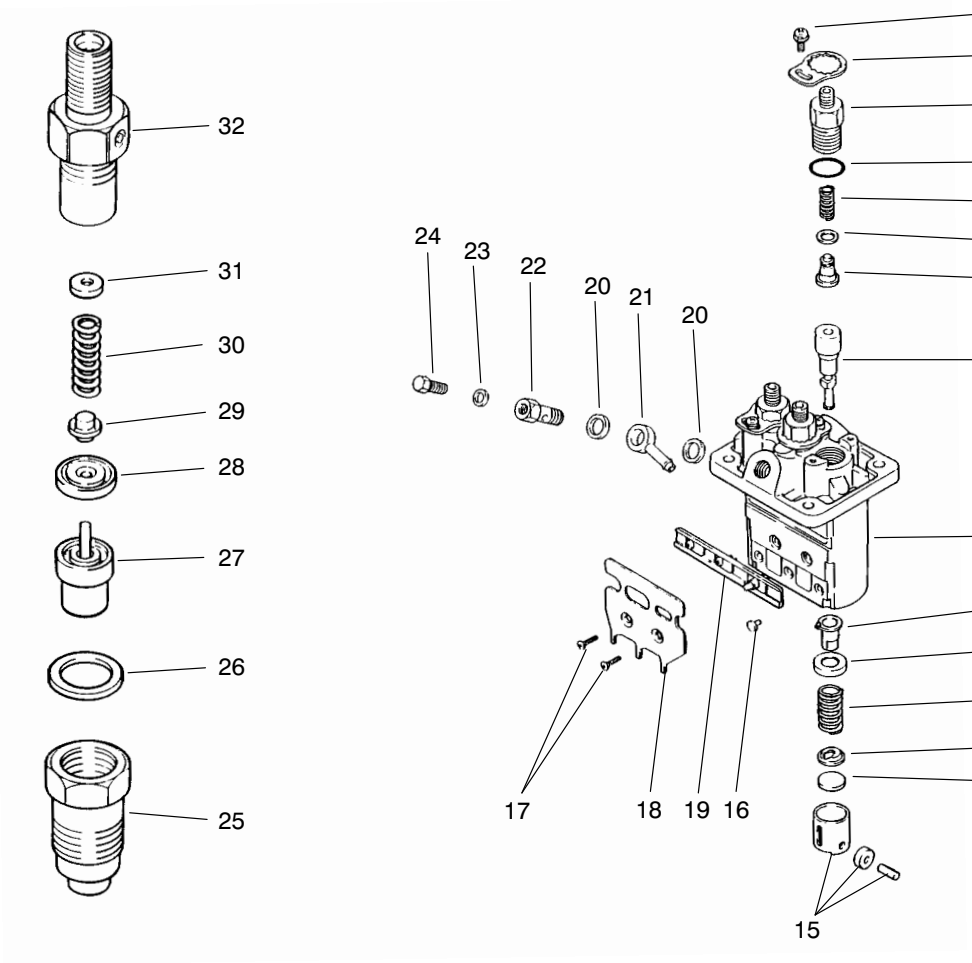
T–0569–3

FUEL SUPPLY & ENGINE BLOCK ASM (Continued)

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



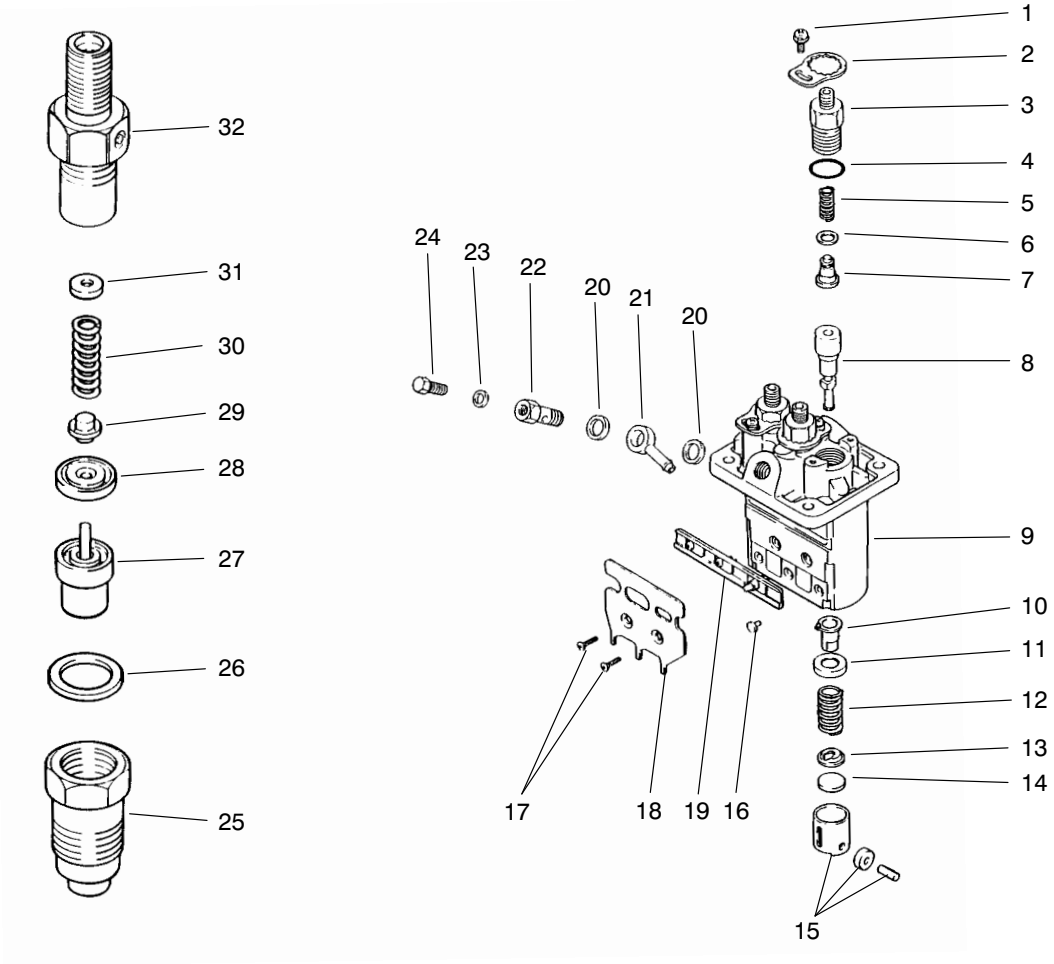
T−0570−4

FUEL INJECTION PUMP ASM

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

Ref. No.	Part No.	Description	No. Used
14	67−3680	Plate−Shim 2.45 mm	1
*	67−3690	Plate−Shim 2.5 mm	1
15	67−3700	Tappet	3
16	67−3810	Pin−Tappet Guide	3
17	67−3790	Screw	2
18	67−3800	Bracket−Wire Stop	1
19	67−3780	Rack	1
20	67−3750	Washer	2
21	67−3740	Nipple−Swivel	1
22	67−3730	Screw	1
23	67−3720	Washer	1
24	67−3710	Screw−Air Bleed	1
25	67−3970	Nut−Retaining	3
26	67−3980	Gasket	3
27	67−3960	Nozzle	3
28	67−3950	Piece−Distance	3
29	67−3940	Pin−Pressure	3
30	67−3930	Spring	3
31	67−3830	Washer 1.25 mm	1
*	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

* Not Illustrated



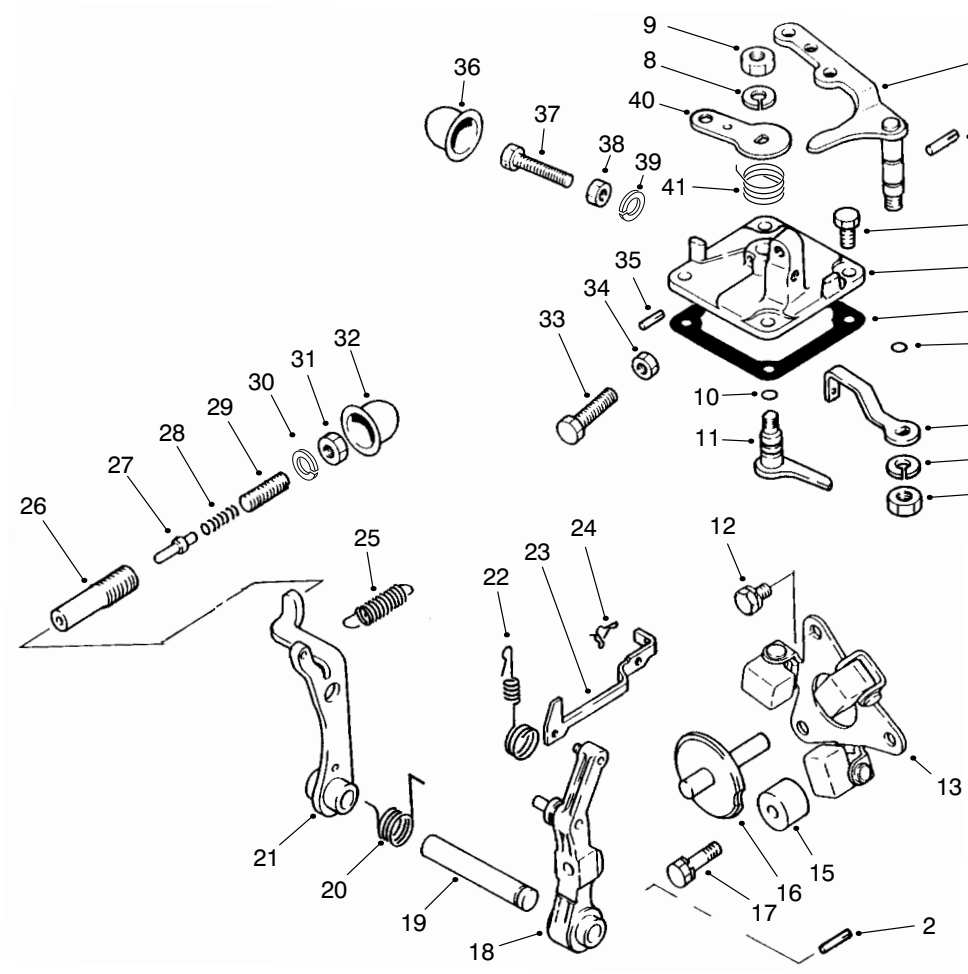
T−0570−4

FUEL INJECTION PUMP ASM (Continued)

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

Ref. No.	Part No.	Description	No. Used
25	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

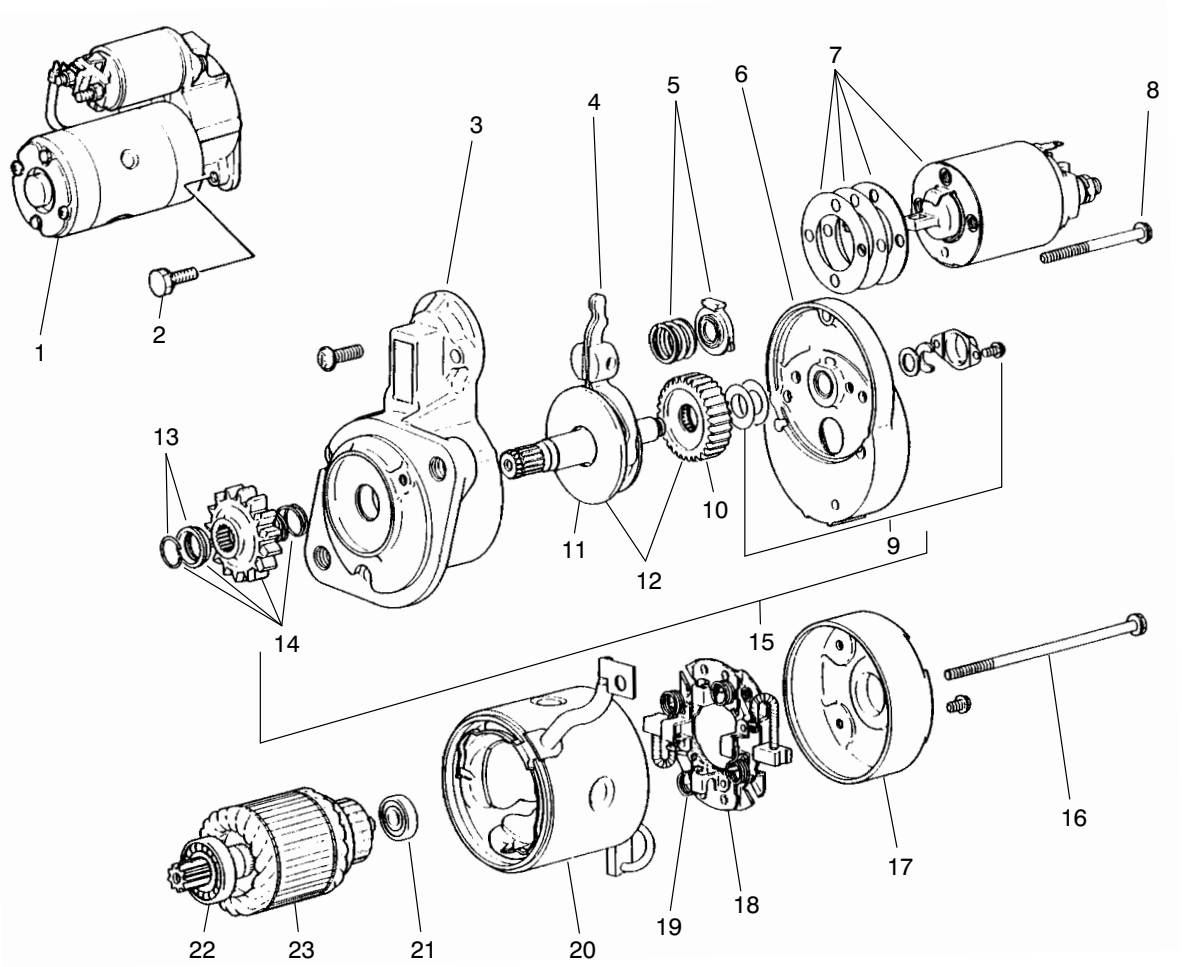
GOVERNOR ASM

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.

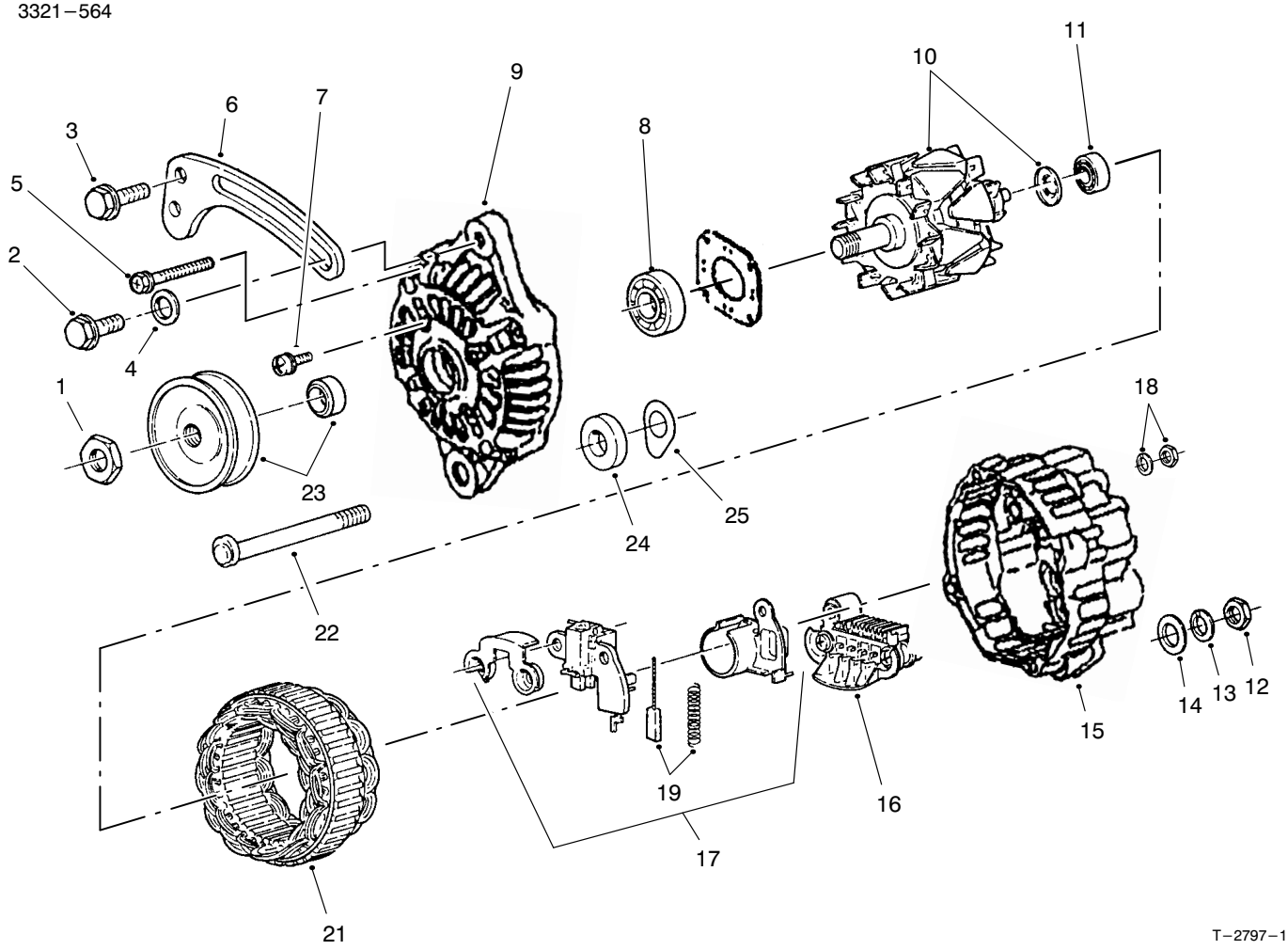


T−0572

STARTER ASM

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



ALTERNATOR ASM

Ref. No.	Part No.	Description	No. Used
1	98−2929	Nut Set	1
2	67−4660	Bolt−Flange	1
3	42−9440	Bolt w/Washer	2
4	54−8660	Washer−Flat	1
5	98−2931	Bolt Set (4 Bolts)	1
6	98−2948	Brace−Generator	1
7	98−2926	Screw Set (3 Screws)	1
8	98−2927	Bearing−Front	1
9	98−2925	Asm−Front Housing (Incl. Ref. #7 & 8)	1
10	98−2928	Asm−Rotor (Incl. Ref. #11)	1
11	98−2932	Bearing−Rear	1
12	67−4670	Nut	1
13	67−3260	Washer	1
14	42−9660	Washer	1

Ref. No.	Part No.	Description	No. Used
15	98−2934	Asm−Housing, Rear (Incl. Ref. #12−19)	1
16	98−2937	Asm−Rectifier	1
17	98−2935	Asm−Regulator (Incl. Ref. #18 & 19)	1
18	98−2938	Nut Set−Terminal	1
19	98−2936	Asm−Brush	2
21	98−2933	Asm−Stator	1
22	67−4640	Bolt	1
23	98−2930	Pulley Set	1
24	67−4620	Spacer	1
25	43−0370	Shim	1
*	98−2949	Asm−Alternator (Incl. Ref. #1, 5, 7−11, 15−21 & 23)	1

TORO PART NUMBER INDEX

Part No.	Description	Pg. No.	Ref. No.	Qty.
936125	Ring–Retaining	18	37	1
3–4324	Washer	36	38	1
3–6624	Spring	36	27	1
3–6657	Clip–Skid	35	33	1
3–7243	Spring–Return	5	20	2
4–2390	Washer	36	28	1
5–0652	Spacer	18	30	1
5–0652	Spacer	35	31	1
5–1226	Washer	29	37	A/R
5–3637	Washer–Flat	35	38	1
5–7570	Washer	7	6	4
6–1659	Asm–Glow Plug Switch	3	13	1
7–3900	Foot Pad–Brake	5	28	2
12–5450	Screw–Thread Forming	15	15	8
14–7149	Asm–Hood	1	1	1
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
21–8020	Spacer–Frt. Pinion Bearing	16	29	1
21–8090	Differential Adjust. Shim.	16	35	A/R
21–8100	Differential Adjust. Shim.	16	36	A/R
21–8110	Differential Adjust. Shim.	16	37	A/R
21–8120	Differential Adjust. Shim.	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 RH	17	17	2
21–9430	Spring–Shoe Return LH	17	18	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	Hex Hd. Plug	20	23	2
25–2470	Shim Pack	20	25	A/R
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	Asm–Ignition Switch	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 RH	17	*	1
27–6861	Shaft–Axle, Flanged LH	17	1	1
27–7100	Asm–Air Cleaner	25	25	1
27–7110	Asm–Element	25	33	1
27–7120	Asm–Nut & Gasket	25	34	1
27–7130	Asm–Clamp	25	36	1
27–7140	Skirt–Baffle	25	35	1
27–7150	Asm–Cup	25	37	1
27–7160	Decal–Instructions	25	24	1
27–7170	Asm–Mounting Band	25	31	2
27–7180	Asm–Cap	25	20	1
27–7310	Decal (Caution Over Fill)	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–Positive Cable	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	Threaded Plug	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	26	66	1
29–4730	Washer–PTO	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	35	5	1
37–2690	Capacitor	26	53	1
37–9590	Spring–Compression	25	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	43	2	2
42–7190	Bushing–Knock	46	33	2
42–7210	Plug–Taper	42	19	1
42–7290	Gasket–Drain	42	16	2
42–7510	Pipe	44	9	2
42–7840	Key	43	20	1
42–7860	Lock	40	33	12
42–7870	Seal	40	30	6
42–8240	Gasket	48	6	3
42–8830	O–Ring	50	6	1
42–8830	O–Ring	50	10	1
42–9110	Gasket	44	21	1
42–9260	Plug–Drain	42	15	1
42–9430	Bolt W/Washer	44	7	1
42–9430	Bolt W/Washer	50	12	2
42–9440	Bolt W/Washer	42	8	11
42–9440	Bolt W/Washer	40	25	4
42–9440	Bolt w/Washer	52	3	2
42–9490	Bolt W/Washer	45	10	4
42–9490	Bolt W/Washer	43	11	2
42–9490	Bolt W/Washer	42	18	18
42–9510	Bolt	41	42	1
42–9570	Stud	44	20	4
42–9590	Nut	40	17	6
42–9600	Washer–Lock	33	9	28
42–9600	Washer–Lock	32	42	24
42–9640	Nut–Jam	50	9	2
42–9650	Nut–Jam	46	30	1
42–9660	Washer	52	14	1
42–9660	Washer	40	39	3
42–9850	Washer–Lock	18	19	2
42–9850	Washer–Lock	33	29	28
42–9850	Washer–Lock	31	34	8
42–9850	Washer–Lock	35	41	2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
43–0370	Shim	52	25	1
43–2550	Filter	46	18	1
43–2550	Filter	26	81	1
43–2560	Gasket	46	19	1
43–2560	Gasket	26	82	1
43–2570	Gasket	26	80	1
43–2570	Gasket–Coil Side	46	17	1
43–2580	Magnet	46	20	1
43–2580	Magnet	26	83	1
43–2710	O–Ring	44	36	2
43–2710	O–Ring	47	45	1
43–2740	Gasket	36	24	1
43–2750	Nut–Jam	36	46	1
43–2820	Cap–Sealing	41	47	1
43–3160	Screw–Adjusting	41	44	1
43–4031	Cable–Battery Positive	8	62	1
43–4031	Wire–Positive	4	1	1
43–5320	Pulley–PTO	10	4	1
43–5920	Washer–Lock	35	39	1
43–5930	Washer–Lock	33	14	12
43–5960	Nut–Special	41	46	1
43–5970	Nut–Hex.	35	40	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–Bearing	16	31	1
43–6760	Cone–Bearing, Tapered	15	13	1
43–6810	Torque Spider	17	5	2
43–8600	Spring–Compression	26	54	1
43–8610	Guide–Spring & Ball Seat	26	59	1
43–8620	Guide–Switch Pin	26	63	1
43–8860	Plunger–Switch	26	60	1
43–8870	Boot–Switch	26	65	1
43–9071	Switch–Seat	26	*	1
44–2230	Coupling–Rubber	18	16	2
44–8320	Spring	39	10	3
44–8530	Sock–Hose	5	47	1
46–6560	Bushing	14	40	3
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.	35	43	1
48–7710	Screw–Cap	33	39	4
48–7730	Screw–HH	29	39	4
48–7780	Screw–HH	30	9	8
48–7960	Nut	29	21	2
48–8030	Washer–Flat	36	49	1
48–9220	Washer–Flat	30	10	8
48–9460	Bolt–HH	31	35	4
48–9460	Screw–Cap	33	28	20
48–9460	Screw–HH	18	20	2
48–9470	Bolt	32	43	24
48–9470	Screw–Cap	33	10	4
48–9590	Washer–Lock	36	12	10
48–9590	Washer–Lock	35	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 Only	25	16	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	36	2	1
53–8150	Asm–Pump	46	21	1
53–8150	Pump–Fuel	25	40	1
54–7950	Asm–Drive Shaft	10	*	1
54–8660	Washer–Flat	52	4	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–Joint, Universal	24	3	1
54–9180	Kit–Universal Joint	23	2	2
54–9180	Kit–Universal Joint	10	25	2
56–0020	Plug	43	24	3
56–0020	Plug–Expansion	46	12	3
56–0020	Plug–Expansion	44	18	1
56–0100	Plug–Taper	46	37	1
56–0220	Pin–Dowel	46	35	2
56–0480	Key–Woodruff	43	8	1
56–0480	Key–Woodruff	40	18	2
56–1060	Snap Ring	43	15	1
56–1230	Shaft–Oil Filter	46	28	1
56–1570	Bolt Set	51	8	1
56–1580	Armature Set	51	23	1
56–1590	Bearing–Front	51	22	1
56–1600	Bearing–Rear	51	21	1
56–1610	Bolt	51	16	1
56–1640	Stopper Set	51	13	1
56–1670	Gear	51	10	1
56–1680	Cover Set	51	9	1
56–1700	Holder–Brush	51	18	1
56–1710	Spring–Brush	51	19	4
56–1720	Bracket–Rear	51	17	1
56–2460	Washer–Flat	29	36	A/R
57–6390	Nut–Hex.	35	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	2	47	1
62–3820	Fitting–Grease 65°	23	6	2
62–5550	Decal–TORO	2	37	1
62–7020	Asm–Wheel & Tire (Opt.)	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	36	44	1
63–6050	Clutch–Electric	36	40	1
63–6180	Asm–Brake Pedal LH	5	26	1
63–6190	Asm–Brake Pedal RH	5	29	1
63–6210	Pin–Brake	5	22	1
63–6240	Belt–PTO	10	5	1
63–6250	Shaft–PTO Tension	36	34	1
63–6290	Pin–Tension	36	26	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	36	42	1
63–6720	Lever–Idler	35	24	1
63–6750	Link–Brake Cable	5	19	2
63–6760	Asm–Throttle Cable Swivel	9	*	1
63–6760	Swivel–Throttle Cable	35	14	1
63–6890	Plate–Hinge RH	2	*42	1
63–6900	Plate Hinge LH	1	10	1
63–7030	Screen–Hood	1	3	1
63–7141	Mount–Shock (Red)	8	8	1
63–7142	Mount–Shock (Yellow)	8	43	3
63–7170	Anchor–Transmission	18	41	1
63–7300	Fender–RH	2	39	1
63–7310	Fender LH	1	20	1
63–7320	Cover–Tower Rear	2	32	1
63–7340	Wire–Ground	8	1	1
63–7340	Wire–Ground	4	2	1
63–7340	Wire–Ground	35	49	1
63–7380	Asm–Expansion Tank	35	11	1
63–7400	Washer–Rebound	8	42	4
63–7410	Bracket–Bulkhead	11	37	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
63−7430	Gage−Temperature	3	15	1
63−7440	Solenoid−Stop	36	1	1
63−7590	Relay	25	47	2
63−7610	Hose	8	61	1
63−7620	Hose	25	19	1
63−7630	Hose	14	7	1
63−7630	Hose	25	42	1
63−7640	Sender−Fuel	14	6	1
63−7700	Asm−Screen	13	1	1
63−7710	Magnetic Strip	13	2	1
63−7730	Cable−Brake RH	5	16	1
63−7731	Cable−Brake LH	5	*	1
63−7790	Screw	36	13	10
63−7790	Screw	35	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	35	28	1
63−8150	Key	36	41	1
63−8230	Angle−Clutch Anchor	36	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
66−2320	Mount−Engine	35	19	1
66−2360	Support −Muffler	36	6	2
66−2440	Plate−Reservoir	35	10	1
66−2450	Bracket−Air Cleaner	26	74	1
66−2451	Bracket−Air Cleaner	25	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	25	43	1
66−2630	Latch−Seat	25	14	1
66−2670	Bracket−Throttle	8	57	1
66−2720	Lever−Lift	11	4	1
66−2800	Rod−Seat Support	25	10	1
66−2870	Cable−Hood Stop	36	8	1
66−2870	Cable−Hood Stop	2	45	1
66−2900	Tie Rod End	36	20	1
66−2910	Bumper−Rubber	36	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
66−3050	Strip−Magnetic	1	15	1
66−3060	Dipstick−Differential	14	35	1
66−3100	Screw	36	29	1
66−3110	Hyd. Fitting	18	9	2
66−3130	Fitting−Hydraulic Tee	11	12	1
66−3160	Screw	36	48	1
66−3180	Tube−Vent	13	20	1
66−3200	Tread−Foot Rest LH	1	29	1
66−3210	Tread−Foot LH	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	5	31	1
66−8140	Hose−Hydraulic	21	11	1
66−8150	Hose−Hydraulic	21	6	1
66−8150	Hose−Hydraulic	11	14	1
66−8180	Asm−Hose	13	10	1
66−8180	Hose−Hydraulic	21	5	1
66−8190	Hose−Hydraulic	21	3	1
66−8190	Hose−Hydraulic	11	25	1
66−8490	Asm−Hose	18	23	1
66−8490	Hose−Hydraulic	21	10	1
66−8500	Asm−Hose	13	30	1
66−8500	Hose	11	15	1
66−8500	Hose−Hydraulic	21	8	1
66−8620	Tube−Hydraulic	21	9	1
66−8620	Tube−Hydraulic	5	33	1
66−8630	Tube−Hydraulic	21	7	1
66−8630	Tube−Hydraulic	5	32	1
66−8640	Hose−Hydraulic	21	4	1
66−8640	Hose−Hydraulic	11	33	1
66−8690	Lamp Harness	4	4	1
66−8700	Indicator−Glow	35	32	1
66−8750	Decal−Control Levers	26	56	1
66−8760	Decal−Tower LH	2	33	1
66−8770	Decal−Tower RH	2	*	1
66−8800	Relay	26	50	1
66−9970	Kit−Spring	6	*	1
66−9980	Kit−Seal	6	*	1
66−9990	Kit−Needle Roller	6	*	1
67−1631	Spacer	36	30	1
67−1690	Fitting	26	68	2
67−1710	Decal−Interlock	25	48	1
67−1720	Decal−Caution	1	27	2
67−1750	Bushing	29	2	2
67−1800	Asm−Pivot Plate	36	37	1
67−1900	Screw−HH	18	43	1
67−2200	Seal	43	4	4
67−2210	Plug−Taper	46	36	3
67−2230	Seal−Oil	46	14	1
67−2250	Bolt	43	5	8
67−2260	Shaft−Idler	46	34	1
67−2270	Case−Oil Seal	46	15	1
67−2280	Gasket−Seal, Oil	46	13	1
67−2290	Cover	46	10	1
67−2300	Gasket	46	9	1
67−2310	Plate−Front	42	6	1
67−2320	Gasket−Plate	42	7	1
67−2330	Bolt	45	3	2
67−2330	Bolt	46	16	6
67−2330	Bolt	44	34	4
67−2330	Bolt	44	49	2
67−2340	Bolt W/Washer	42	3	3
67−2340	Bolt W/Washer	46	11	2
67−2340	Bolt W/Washer	44	17	4
67−2350	Plug−Expansion	46	25	1
67−2360	Bushing−Knock	46	26	2
67−2370	Bushing−Knock	46	32	1
67−2380	Bushing−Knock	46	27	3
67−2390	Plug−Taper	46	24	1
67−2410	Bearing Set 0.25 mm US	43	*	1
67−2420	Bearing Set 0.50 mm US	43	*	1
67−2430	Bracket−Starter	46	23	1
67−2440	Bolt W/Washer	46	22	3
67−2480	Gasket−Oil Pan	42	17	1
67−2500	Plunger−Relief	42	25	1
67−2510	Spring−Relief	42	26	1
67−2520	Plug	42	28	1
67−2530	Gear−Inner	42	12	1
67−2540	Gear−Outer	42	11	1
67−2550	Housing−Oil Pump	42	10	1
67−2560	Bolt W/Washer	42	9	3
67−2570	Plug−Taper	44	19	1
67−2570	Plug−Taper	42	29	1
67−2580	Gasket−Case	42	2	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
67–2590	Seal–Oil	42	23	1
67–2600	Bolt	45	5	1
67–2600	Bolt	42	21	3
67–2610	Bolt	45	9	2
67–2610	Bolt	42	22	4
67–2620	Bolt	42	24	1
67–2630	O–Ring	42	20	2
67–2640	Cap	42	30	1
67–2650	Asm–Oil Fill Cap	42	32	1
67–2660	O–Ring	42	31	1
67–2670	Hose–Breather	44	8	1
67–2680	Hanger–Engine	44	16	2
67–2700	Guide–Valve	44	42	6
67–2710	Cap–Sealing	44	41	3
67–2730	Bolt	44	43	8
67–2740	Bolt–Flange	44	15	3
67–2760	Gasket	44	14	1
67–2770	Nut–Cap	44	12	2
67–2780	Washer	44	13	2
67–2850	Asm–Connecting Rod	40	9	3
67–2860	Bolt	40	12	6
67–2890	Bearing Set 0.25 mm US	40	*	3
67–2900	Bearing Set 0.50 mm US	40	*	3
67–2910	Gear	40	7	1
67–2930	Pulley–Crankshaft	40	19	1
67–2940	Nut–Jam	40	22	1
67–2950	Washer	40	20	1
67–2960	Washer–Lock	40	21	1
67–2970	Asm–Flywheel	40	13	1
67–2980	Gear–Ring	40	15	1
67–2990	Bolt	40	14	4
67–3000	Washer	43	10	2
67–3010	Cam Shaft	43	7	1
67–3020	Gear	43	12	1
67–3030	Bearing	43	9	2
67–3040	Plate	43	14	1
67–3050	Bearing	43	22	1
67–3060	Shaft	43	21	1
67–3070	Gear	43	17	1
67–3080	Snap Ring	43	23	1
67–3090	Asm–Gear	43	13	1
67–3100	Retainer	40	32	6
67–3110	Spring	40	31	6
67–3120	Tappet	40	6	6
67–3130	Valve–Intake	40	28	3
67–3140	Valve–Exhaust	40	29	3
67–3150	Rod–Push	40	5	6
67–3160	Arm–Rocker	40	1	6
67–3170	Spring	40	40	2
67–3180	Cap	40	34	6
67–3190	Asm–Rocker Shaft	40	38	1
67–3200	Stay–Rocker	40	35	3
67–3210	Screw–Adjusting	40	4	6
67–3220	Pin	40	37	1
67–3230	Nut–Jam	40	2	6
67–3240	Snap Ring	40	3	2
67–3250	Bolt–Rocker Stay	41	43	2
67–3260	Washer	50	8	2
67–3260	Washer	52	13	1
67–3260	Washer	41	41	3
67–3280	Shim 0.2 mm	46	38	1
67–3290	Shim 0.3 mm	46	*	1
67–3300	Shim 0.5 mm	46	*	1
67–3310	Shim 0.4 mm	46	*	1
67–3320	Shim 0.6 mm	46	*	1
67–3330	Shim 0.7 mm	46	*	1
67–3340	Shim 0.8 mm	46	*	1
67–3350	Shim 0.9 mm	46	*	1
67–3360	Shim 1.0 mm	46	*	1
67–3370	Bolt W/Washer	46	39	4
67–3380	Asm–Nozzle & Holder	46	6	1
67–3380	Asm–Nozzle and Holder	49	*	3
67–3390	Gasket–Nozzle Holder	46	7	3
67–3400	Asm–Pipe No. 1	46	42	1
67–3410	Asm–Pipe No. 2	46	43	1
67–3420	Asm–Pipe No. 3	46	1	1
67–3430	Nut	46	2	3
67–3440	Gasket	46	4	3
67–3460	Housing–Pump	48	9	1
67–3480	O–Ring	48	4	3
67–3490	Spring	48	5	3
67–3500	Valve	48	7	3
67–3520	Sleeve	48	10	3
67–3530	Seat–Spring Upper	48	11	3
67–3540	Spring	48	12	3
67–3550	Seat–Spring Lower	48	13	3
67–3560	Plate–Shim 1.85 mm	48	14	1
67–3570	Plate–Shim 1.9 mm	48	*	1
67–3580	Plate–Shim 1.95 mm	48	*	1
67–3590	Plate–Shim 2.0 mm	48	*	1
67–3600	Plate–Shim 2.05 mm	48	*	1
67–3610	Plate–Shim 2.1 mm	48	*	1
67–3620	Plate–Shim 2.15 mm	48	*	1
67–3630	Plate–Shim 2.2 mm	48	*	1
67–3640	Plate–Shim 2.25 mm	48	*	1
67–3650	Plate–Shim 2.3 mm	48	*	1
67–3660	Plate–Shim 2.35 mm	48	*	1
67–3670	Plate–Shim 2.4 mm	48	*	1
67–3680	Plate–Shim 2.45 mm	48	14	1
67–3690	Plate–Shim 2.5 mm	48	*	1
67–3700	Tappet	48	15	3
67–3710	Screw–Air Bleed	48	24	1
67–3720	Washer	48	23	1
67–3730	Screw	48	22	1
67–3740	Holder–Delivery Valve	48	3	3
67–3740	Nipple–Swivel	48	21	1
67–3750	Washer	48	20	2
67–3760	Plate–Lock	48	2	3
67–3770	Screw W/Washer	48	1	3
67–3780	Rack	48	19	1
67–3790	Screw	48	17	2
67–3800	Bracket–Wire Stop	48	18	1
67–3810	Pin–Tappet Guide	48	16	3
67–3830	Washer 1.25 mm	48	31	1
67–3840	Washer 1.3 mm	48	*	1
67–3850	Washer 1.35 mm	48	*	1
67–3860	Washer 1.4 mm	48	*	1
67–3870	Washer 1.45 mm	48	*	1
67–3870	Washer 1.45 mm	49	31	1
67–3880	Washer 1.5 mm	48	*	1
67–3880	Washer 1.5 mm	49	*	1
67–3890	Washer 1.55 mm	48	*	1
67–3890	Washer 1.55 mm	49	*	1
67–3900	Washer 1.6 mm	49	*	1
67–3910	Washer 1.65 mm	49	*	1
67–3920	Washer 1.7 mm	49	*	1
67–3930	Spring	48	30	3
67–3940	Pin–Pressure	48	29	3
67–3950	Piece–Distance	48	28	3
67–3960	Nozzle	48	27	3
67–3970	Nut–Retaining	48	25	3
67–3980	Gasket	48	26	3
67–3990	Lever–Speed Control	50	1	1
67–4000	Pin	50	2	2
67–4010	Stopper	50	15	1
67–4030	Rod–Tie	50	23	1
67–4040	Asm–Weight	50	13	1
67–4050	Shaft–Governor	50	19	1
67–4060	Lever–Governor	50	18	1
67–4070	Shaft–Sliding	50	16	1
67–4080	Clip	50	24	1
67–4090	Lever–Tension	50	21	1
67–4120	Pin–Grooved	50	35	1
67–4140	Lever–Stop	50	11	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
67–4150	Lever–Stop	50	40	1
67–4160	Gasket	50	5	1
67–4270	Bolt	50	3	4
67–4280	Bolt W/Washer	50	17	1
67–4290	Nut	50	34	1
67–4310	Gasket	40	23	1
67–4330	Asm–Oil Filter	46	40	1
67–4340	Asm–Screen	46	31	1
67–4350	Switch–Oil Pressure	45	8	1
67–4360	Pulley–Water Pump	45	1	1
67–4380	Asm–Water Pump	45	6	1
67–4390	Gasket–Water Pump	45	7	1
67–4400	Bolt	44	1	2
67–4400	Bolt	45	4	1
67–4420	Fitting –Water	44	46	1
67–4430	Gasket–Fitting	44	45	1
67–4440	Thermostat	44	38	1
67–4450	Fitting–Thermostat	44	32	1
67–4460	Gasket–Switch	44	31	1
67–4470	Bolt	44	33	1
67–4480	Pipe–By–Pass	44	37	1
67–4490	Gasket	44	30	1
67–4500	Switch–Thermo	44	29	1
67–4510	Gauge Nut–Temperature	44	35	1
67–4550	Gasket–Intake Manifold	44	44	1
67–4560	Manifold–Exhaust	44	24	1
67–4570	Gasket–Exhaust Manifold	44	26	1
67–4580	Bolt	44	22	2
67–4590	Bolt	44	23	4
67–4610	Bolt W/Washer	51	2	2
67–4620	Spacer	52	24	1
67–4640	Bolt	52	22	1
67–4660	Bolt–Flange	52	2	1
67–4670	Nut	52	12	1
67–4680	Plug–Glow	44	39	3
67–4690	Plate–Glow Plug	44	40	1
67–4700	Lamp–Glow	44	27	1
67–4720	Lever	51	4	1
67–4730	Spring Set	51	5	1
67–4750	Switch	51	7	1
67–4760	Asm–Shaft	51	15	1
67–4770	Pinion Set	51	14	1
67–4780	Gear Set	51	12	1
67–4790	Shaft	51	11	1
67–4800	Yoke	51	20	1
67–5040	Spring	50	20	1
67–7050	Asm–Field Rotor	39	1	1
67–7060	Ring–Retaining	39	8	1
67–7070	Asm–Armature & Pulley	39	5	1
67–7080	Collar–Bearing	39	6	1
67–7090	Bearing–Pulley	39	7	1
67–7100	Plate–Brake	39	11	1
67–7120	Fusible Link	4	5	1
67–7140	Ground Wire	4	7	1
67–7160	Fuse Block	25	1	1
67–7180	Wire– Seat	4	14	1
67–7190	Wire–Ground	4	15	1
68–5140	Asm–Steering Wheel Cap	5	7	1
68–5370	Decal–Toro	5	40	1
68–6824	Asm–Rear Axle	29	1	1
68–7010	Flange	15	26	1
68–7370	Wire–Glow	4	13	1
68–7380	Asm–Connector	4	12	1
68–9400	Nut–Hex.	36	5	4
69–4780	Clamp–Gauge	3	18	1
69–9870	Asm–Wheel & Tire . (Opt.)	14	*	2
69–9880	Tire–23 x 10.5 x 12 6 Ply	14	*	2
70–2560	Decal–Lube	29	16	1
70–7280	Wire–Seat	4	10	1
70–7530	Spring–Compression	11	3	1
70–8530	Wire–Fuel Pump	47	46	1
70–8560	Retainer–Glow Plug	35	30	1
70–8700	Pipe–Fuel Return	46	3	1
70–8720	Spring–Tie Rod	50	22	1
70–8760	Asm–Starter	51	1	1
70–8770	Bracket–Front	51	3	1
70–8780	Bracket–Center	51	6	1
70–8870	Guide–Oil Level	46	8	1
70–8880	Dipstick	46	5	1
71–1520	Cap–Reservoir	35	44	1
71–2910	Angle–Engine Mount	35	17	1
71–3384	Hose	13	9	1
71–3500	Lever–Throttle	8	55	1
71–4330	Seal	16	48	1
71–4340	Washer	15	27	1
71–4350	Nut	16	47	1
71–4450	Bolt–Wheel	29	18	10
71–4530	Asm–Tie Rod	30	*	1
71–4540	Washer	29	14	1
71–4690	Screw–HH	29	22	2
71–4750	Asm–Tube & Clamp	30	21	1
71–4760	Seal–Rod	30	15	2
72–3410	Yoke–Flange	23	1	2
72–3420	Shaft–Yoke, Slip	23	3	1
72–3431	Tube–Yoke, Slip	23	5	1
72–3450	Yoke–Flange, Split	24	6	1
72–3560	Decal–4wd	2	52	2
72–3570	Shim .094–Diff. Adjust.	15	28	A/R
72–3571	Shim .096–Diff. Adjust.	15	*	A/R
72–3572	Shim .098–Diff. Adjust.	15	*	A/R
72–3573	Shim .100–Diff. Adjust.	15	*	A/R
72–3574	Shim .102–Diff. Adjust.	15	*	A/R
72–3575	Shim .104–Diff. Adjust.	15	*	A/R
72–3576	Shim .106–Diff. Adjust.	15	*	A/R
72–3577	Shim .108–Diff. Adjust.	15	*	A/R
72–3578	Shim .110–Diff. Adjust.	15	*	A/R
72–3580	Shim .112–Diff. Adjust.	15	*	A/R
72–3581	Shim .114–Diff. Adjust.	15	*	A/R
72–3582	Shim .116–Diff. Adjust.	15	*	A/R
72–3583	Shim .118–Diff. Adjust.	15	*	A/R
72–3584	Shim .120–Diff. Adjust.	15	*	A/R
72–3585	Shim .125–Diff. Adjust.	15	*	A/R
72–3586	Shim .127–Diff. Adjust.	15	*	A/R
72–3587	Shim .129–Diff. Adjust.	15	*	A/R
72–3588	Shim .131–Diff. Adjust.	15	*	A/R
72–3590	Shim .133–Diff. Adjust.	16	28	A/R
72–3591	Shim .135–Diff. Adjust.	16	*	A/R
72–3592	Shim .137–Diff. Adjust.	16	*	A/R
72–3593	Shim .139–Diff. Adjust.	16	*	A/R
72–3594	Shim .141–Diff. Adjust.	16	*	A/R
72–3595	Shim .143–Diff. Adjust.	16	*	A/R
72–3596	Shim .145–Diff. Adjust.	16	*	A/R
72–3597	Shim .147–Diff. Adjust.	16	*	A/R
72–3598	Shim .149–Diff. Adjust.	16	*	A/R
72–3600	Shim .151–Diff. Adjust.	16	*	A/R
72–4320	Switch	26	57	1
72–4870	Case–Differential	31	24	1
72–4880	Cover	31	2	1
72–4890	O–Ring	31	3	1
72–4900	Case–Differential	31	8	1
72–4910	Flange–Case	31	12	1
72–4930	Gear–Side	31	9	1
72–4940	Gear–Side	31	40	1
72–4950	Gear–Pinion	31	10	2
72–4960	Shim .1 mm	31	5	1
72–4970	Shim .15 mm	31	*	1
72–4980	Shim .5 mm	31	*	1
72–4990	Shim .8 mm	31	*	1
72–5000	Shim 1.0 mm	31	*	1
72–5010	Shim 1.2 mm	31	*	1
72–5020	Shaft–Pinion	32	47	1
72–5030	Pin–Dowel	32	45	2
72–5040	Washer–Gear	31	11	1
72–5050	Tube–Axle RH	31	16	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
72–5060	Axle–RH	31	17	1
72–5090	Gear–Bevel	33	18	2
72–5090	Gear–Bevel	31	21	2
72–5100	Spacer	31	20	2
72–5110	Tube–Axle LH	32	44	1
72–5120	Axle–LH	32	41	1
72–5130	Vent	31	23	1
72–5140	O–Ring	31	25	1
72–5150	Plug	31	26	1
72–5160	Shim .1mm	31	29	1
72–5170	Shim .15 mm	31	*	1
72–5180	Shim .5 mm	31	*	1
72–5190	Shim .8 mm	31	*	1
72–5200	Shim 1.0 mm	31	*	1
72–5210	Shim 1.2 mm	31	*	1
72–5360	Ring–Retaining	31	19	2
72–5370	Ring–Retaining	31	22	2
72–5440	Pin –Spring	32	46	1
72–5460	O–Ring	31	32	1
72–5540	Case–Knuckle	33	30	2
72–5550	Cover	33	26	2
72–5560	Pin–King, Knuckle	33	20	2
72–5570	Shaft–Axle, Outer	33	35	2
72–5580	Gear–Bevel	33	5	4
72–5590	Retainer–Bearing	33	15	2
72–5630	Gasket	33	16	2
72–5650	Hub–Wheel	33	34	2
72–5660	Washer–Shaft, Wheel	33	33	2
72–5680	Spacer	33	19	2
72–5720	Ring–Retaining	33	4	2
72–5730	Seal–Oil	33	24	4
72–5740	Seal–Oil	33	2	2
72–5770	Nut–Castle	33	32	2
72–5780	Key	33	36	2
72–5790	Screw–Cap	33	13	12
72–5800	Bolt	31	1	8
72–5810	Bolt	31	7	8
72–5820	Plug	31	28	1
72–5840	Gasket	31	27	1
72–6950	Retainer–Oil Guide	47	44	1
72–9390	Asm–Seat Belt	27	1	1
72–9420	Asm–Vent	16	40	1
74–0720	Tube–Manual	28	1	1
75–0560	Asm–Wheel–Steering	5	6	1
75–4900	Bearing Set STD	43	3	1
75–4910	Asm–Oil Pan	42	14	1
75–4930	Asm–Cylinder Head	44	28	1
75–4970	Element	48	8	3
75–4980	Lever–Governor Spring	50	7	1
75–4990	Spring–Governor	50	25	1
75–5000	Body	49	25	3
75–5010	Bearing Set STD	40	8	3
75–5020	Asm–Injector Pump	49	*	1
75–5020	Asm–Injector Pump	46	41	1
75–5040	Kit–Gasket, Engine	42	*	1
75–5050	Ring Set STD	40	11	3
75–5060	Ring Set 0.25 mm OS	40	*	3
75–5070	Ring Set 0.50 mm OS	40	*	3
75–5080	Piston & Pin Set STD	40	10	3
75–5090	Piston & Pin Set	40	*	3
75–5100	Piston & Pin Set	40	*	3
75–5110	Asm–Cove	40	24	1
75–5120	Gasket	41	45	1
75–6880	Spark Arrester Screen	36	*	1
76–1000	Cable–Throttle	8	59	1
76–4790	Pad–Rubber	1	11	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	26	87	1
80–7730	Spacer	9	89	4
82–2310	Asm–Radiator	13	26	1
82–5730	Rod End	34	15	1
82–5740	Nut–Jam	34	14	1
82–8530	Fitting	18	26	1
82–8950	Foam	2	51	2
83–5180	Shim–Axle	30	23	A/R
83–5330	Washer–Bearing	31	38	1
83–5340	Nut–Bearing	31	37	1
83–5350	Case–Bearing	31	33	1
83–5360	Seal–Oil	31	36	1
83–5370	Asm–Ring & Pinion	32	*	1
83–9150	Decal–Starting Fluid	25	23	1
84–1880	Fan–Cooling	35	1	1
84–1890	Pulley–Fan	35	2	1
84–1910	Muffler	36	3	1
84–1930	Hub–Fan	35	3	1
84–1940	Hub	35	7	1
84–1960	Decal–Service	1	18	1
84–7580	Plate–Bushing Support	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	Asm–PTO Switch	3	3	1
85–7540	Wire Harness	4	3	1
85–7560	Plate–Control Panel	3	16	1
86–7190	Asm–Upper Housing	15	22	1
86–7220	Gear–Spur	18	36	1
86–7230	Gear–Spur	15	17	1
86–7470	Diode	4	6	1
88–3590	Nut–Lock	34	12	1
92–0845	Crankshaft	40	16	1
92–0846	Asm–Cover	44	6	1
92–0847	Cap–Oil Filler	44	11	1
92–1676	Asm–Gear & Pinion	16	*	1
92–1773	Screw–HH	15	14	4
92–1774	Oil Seal	17	2	2
92–2377	Asm–Axle	14	22	1
92–4907	Asm–Diff. Carrier	16	*	1
92–5050	Pin–Rear Axle	29	8	1
92–5053	Frame–Rear	29	5	1
92–5061	Support–Cylinder	30	7	1
92–5067	Arm–Steering LH	30	13	1
92–5070	Arm–Steering RH	30	22	1
92–5072	Asm–Rod End	30	28	1
92–5075	Shaft–Traction Pedal	7	22	1
92–5076	Adapter–Filter	18	45	1
92–5077	Bracket–Footrest	7	27	1
92–5080	Hose–Hydraulic	30	1	1
92–5080	Hose–Hydraulic	21	12	1
92–5080	Hose–Hydraulic	5	37	1
92–5081	Hose–Hydraulic	30	2	1
92–5081	Hose–Hydraulic	21	13	1
92–5081	Hose–Hydraulic	5	46	1
92–5082	Hose	18	35	2
92–5082	Hose–Hydraulic	21	1	2
92–5083	Hose–Hydraulic	16	41	1
92–5083	Hose–Hydraulic	21	2	1
92–5083	Hose–Hydraulic	18	49	1
92–5085	Union–Filter	18	32	1
92–5086	Fitting–Hydraulic 90°	18	47	1
92–5087	Seal–Filter Adapter	18	33	1
92–5088	Fitting–45°	16	30	1
92–5090	Stop–Rear Axle	29	12	1
92–5093	Bracket–Pivot	7	7	1
92–5094	Arm–Traction	7	20	1
92–5096	Asm–Joint & Shaft	23	*	1
92–5511	Stop–Oscillation	30	20	1
92–5512	Fitting–Hydraulic Straight	19	52	2
92–5513	Transmission	18	6	1
92–5514	Footrest	7	30	1
92–5515	Bracket–Tie Down	27	9	2
92–5516	Bracket–R.O.P.S. RH	27	*	1
92–5517	Bracket–R.O.P.S. LH	27	15	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
92−5518	Frame−R.O.P.S.	27	6	1
92−5521	Strap−Tie Down	27	20	2
92−5529	Asm−Hydraulic Cylinder	30	6	1
92−5532	Link	7	29	1
92−5534	Shaft−Traction Pedal	7	26	1
92−5536	Tube−Traction Control	18	1	1
92−5536	Tube−Traction Control	7	15	1
92−5537	Pin−Pedal Pivot	7	8	1
92−5540	Tread−Foot RH	2	31	1
92−5545	Cover−Tower Front	2	36	1
92−5548	Shield−Pedal Stop	2	53	1
92−5703	Piston	34	11	1
92−5704	Rod	34	2	1
92−5705	Cap−Threaded	34	1	1
92−5706	Head−Cap	34	5	1
92−5707	Kit−Seal Repair	34	*	1
92−5708	Screw−Set	34	17	1
92−5709	Housing	20	6	1
92−5716	Center Section	20	39	1
92−5717	Plug−Pipe	20	40	1
92−5721	Plate−Link	7	13	1
92−5750	Pad−Footrest	7	31	1
92−5753	Clamp−Hose	2	55	3
92−5753	Clamp−Hose	8	60	1
92−5757	Asm−Radiator Support	13	5	1
92−5759	Plate−Seat	25	9	1
92−5772	Decal Traction Pedal	2	38	1
92−5773	Decal−Starting Instructions	26	79	1
92−5774	Decal−Danger	1	17	1
92−6501	Asm−Tool Box	1	19	1
92−6502	Asm−Tool Box Cover	1	14	1
92−6503	Asm−Fan Shroud	13	19	1
92−7308	Asm−Power Steering Valve	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−Switch, Seat	26	51	1
92−8751	Bracket−PTO Bearing	10	12	1
92−8775	Kit−Gasket, Liquid	17	*	1
92−8799	Asm−PTO Shaft Bearing	10	14	1
92−8799	Bearing	36	33	1
92−8855	Shaft−PTO	10	7	1
92−8876	Belt−Fan	35	29	1
92−8877	Asm−Seat Frame	26	55	1
92−8938	Tube−Yoke, Half−Slip	24	4	1
93−1395	Plate−Skid	29	38	2
93−1627	Hose−Fuel	14	42	1
93−3102	Cap−Fuel	14	11	1
93−3186	Decal−GM 223−D	1	5	2
93−3192	Decal−Hood RH	1	*	1
93−3193	Decal−Hood LH	1	7	1
93−3664	O−Ring	31	14	2
93−3665	O−Ring	31	15	2
93−3666	Gear Box−Axle	33	23	2
93−3667	Case−Knuckle	33	38	2
93−3668	Washer−Thrust	33	21	2
93−3669	Bearing−Needle	33	22	2
93−3670	O−Ring	33	1	4
93−3671	Pin−Dowel	33	7	4
93−3672	Arm−Knuckle	33	8	2
93−4133	Lip Seal	20	9	1
93−6668	Decal−Battery Charging	8	82	1
93−6680	Decal−Diesel Fuel (Europe)	25	16	1
93−6681	Decal−Warning (Europe)	13	12	1
93−6697	Decal−Lube (Europe)	29	16	1
93−7252	Decal−CE (Europe)	2	61	1
93−7275	Decal− Starting Fluid	25	23	1
93−7276	Decal−Danger (Europe)	8	81	1
93−7801	Decal−Starting Instructions	26	79	1
93−7805	Decal−Danger (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	2
93−7833	Decal−Control Levers	26	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
93−7841	Decal−Caution (Europe)	25	48	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	38	7	1
93−9990	Guard−Flywheel	38	3	1
93−9991	Bracket	36	10	1
93−9991	Bracket−Clutch Anchor	38	1	1
93−9992	Screw−HH	38	6	1
93−9997	Guard−Flywheel	38	5	1
94−1257	Asm−Block	43	1	1
94−1258	Gasket−Cylinder Head	44	25	1
94−1259	Case	42	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	25	21	1
94−3533	Asm−Cover, Intake	44	5	1
94−3591	Pedal−Traction	7	2	1
94−3827	Spring−Return	50	41	1
94−4522	Hose	13	35	1
94−6765	Fitting−Fuel 90˚	14	3	2
94−6934	Screw−HH	17	21	8
94−6935	Nut−Lock, Top	17	12	8
94−6936	Washer	17	23	8
94−7343	Base−Battery	8	6	1
95−1592	Angle−Base, Battery	8	84	1
95−1599	Bracket−Base, Battery	8	85	1
95−1821	Spring	5	12	1
95−3074	Kit−400 Hour Filter	19	*	1
95−3074	Kit−400 Hour Filter	26	*	1
95−3074	Kit−400 Hour Filter	47	*	1
95−3074	Kit−400 Hour Filter	9	*	1
95−3347	Plug−Pipe, Square Hd.	33	37	2
95−6270	Bracket−Engine Mount	2	67	3
95−6271	Bracket−Engine Mount	2	70	1
95−6280	Asm−Frame	2	35	1
95−6296	Clutch−Bidirectional	29	23	1
95−9605	Bolt−Speed Set	50	33	1
98−1823	Spacer	29	24	1
98−2328	Bracket−Carrier	14	33	2
98−2334	Bracket	35	23	1
98−2348	Pin−Pivot	14	25	2
98−2925	Asm−Front Housing	52	9	1
98−2926	Screw Set (3 Screws)	52	7	1
98−2927	Bearing−Front	52	8	1
98−2928	Asm−Rotor	52	10	1
98−2929	Nut Set	52	1	1
98−2930	Pulley Set	52	23	1
98−2931	Bolt Set (4 Bolts)	52	5	1
98−2932	Bearing−Rear	52	11	1
98−2933	Asm−Stator	52	21	1
98−2934	Asm−Housing, Rear	52	15	1
98−2935	Asm−Regulator	52	17	1
98−2936	Asm−Brush	52	19	2
98−2937	Asm−Rectifier	52	16	1
98−2938	Nut Set−Terminal	52	18	1
98−2947	V−Belt	45	2	1
98−2948	Brace−Generator	52	6	1
98−2949	Asm−Alternator	52	*	1
98−3883	R−Clamp	8	73	2
98−5001	Tank−Fuel	14	39	1
98−5009	Driveshaft (Complete)	23	*	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
98−7220	Engine	35	18	1
98−7926	Spacer−Lift Arm	14	43	4
217−106	Wheel	29	19	2
217−116	Rim−23” x 10.5” x 12”	14	*	1
217−117	Rim−23” x 8.5” x 12”	14	19	2
218−446	Nut−Hex.	3	9	1
218−447	Washer−Lock	3	8	1
218−461	Nut−Jam	26	64	2
218−473	Boot−Switch	3	11	1
218−497	Nut−Face	3	12	1
218−573	Fuse 5.0A	4	9	2
218−574	Fuse 7.5A	4	8	1
218−579	Wire−Fuel Pump	47	47	1
219−17	Bulb−Light	4	11	4
231−95	Tire−23” x 10.5” x 12” 4 Ply	14	*	2
231−101	Tire−23” x 8.5” x 12”	14	18	2
231−122	Tire	29	17	2
232−27	Stem−Valve	29	20	2
232−27	Valve Stem w Cap	14	*	2
232−27	Valve Stem w/Cap	14	21	2
233−17	Knob	5	8	1
233−39	Knob	11	5	1
233−39	Knob	8	54	1
237−7	O−Ring	26	62	1
237−21	O−Ring	30	3	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	26	58	1
237−42	O−Ring	18	7	4
237−42	O−Ring	11	9	6
237−78	O−Ring	30	5	2
237−78	O−Ring	11	28	2
237−78	O−Ring	19	51	3
237−79	O−Ring	18	46	2
237−136	Grommet	14	12	3
242−34	Stud−Axle Flange	17	9	10
2411−36	End−Rod	7	18	1
2411−45	Rod End	30	16	2
2412−4	R−Clamp	18	40	1
2412−34	Clamp−Hose	16	42	2
2412−34	Clamp−Hose	13	17	4
2412−36	Clamp	5	34	2
2412−36	Clamp	14	37	1
2412−36	Clamp−Hose	11	13	3
2412−42	Clamp−Hose	25	22	1
2412−74	R−Clamp	26	52	1
2412−92	Clamp−Hose	26	73	1
2412−103	Clamp−R	13	22	2
2412−107	R−Clamp	26	71	1
2412−108	Clamp	14	2	4
2412−108	Clamp	8	52	2
2412−108	Clamp−Hose	13	7	6
2412−108	Clamp−Hose	25	41	4
2412−108	Hose Clamp	18	34	4
2412−119	Clamp−Hose	16	49	1
2412−119	Clamp−Hose	18	48	1
2412−133	R−Clamp	28	2	2
2412−147	R−Clamp	14	9	1
251−8	Bearing−Ball	33	6	2
251−77	Collar−Locking	10	16	1
251−77	Collar−Locking	37	55	1
251−259	Bearing−Ball	22	23	1
251−263	Bearing−Ball	33	25	2
251−344	Bearing−Ball	31	4	1
251−345	Bearing−Ball	31	13	1
251−347	Bearing−Ball	33	12	2
251−348	Bearing−Ball	33	3	2
251−349	Bearing−Ball	33	17	2
251−350	Bearing−Ball	31	18	2
254−65	Cone−Bearing	16	33	2
254−66	Cup−Bearing	16	32	2
254−90	Cup−Bearing	15	24	1
254−91	Cone−Bearing	15	25	1
254−108	Bearing−Tapered Roller	31	31	1
254−109	Bearing−Tapered Roller	31	39	1
256−42	Bushing	5	27	4
256−116	Bushing	7	11	2
256−156	Bushing−Flange	7	10	2
256−219	Bushing	7	19	2
256−299	Bushing	36	36	2
281−10	Plug−Socket, Hex.	33	27	2
282−27	Clevis	11	22	1
283−16	Pin−Clevis	11	19	1
283−49	Pin−Clevis	25	8	2
283−58	Pin−Clevis	5	17	4
283−58	Pin−Clevis	11	23	1
283−58	Pin−Clevis	2	44	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	5	30	2
302−5	Fitting−Grease	36	32	1
302−33	Fitting−Grease 90˚	29	9	1
302−40	Fitting−Grease	37	51	1
302−55	Fitting−Grease	30	17	3
302−58	Fitting−Grease	23	4	1
302−58	Fitting−Grease	24	5	1
302−58	Fitting−Grease	10	19	1
302−59	Plug−Grease	29	3	1
304−46	Drain Cock	13	28	1
304−46	Fitting−Drain	14	36	1
304−99	Fitting−Hydraulic 90˚	11	27	2
321−3	Screw−HH	38	2	2
321−3	Screw−HH	1	4	7
321−3	Screw−HH	36	14	2
321−3	Screw−HH	5	21	1
321−3	Screw−HH	35	37	4
321−4	Screw−HH	8	9	4
321−4	Screw−HH	25	12	4
321−4	Screw−HH	13	16	4
321−4	Screw−HH	22	21	2
321−4	Screw−HH	35	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	26	69	1
321−8	Screw−HH	25	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	26	72	4
322−4	Screw	35	6	2
322−5	Screw−HH	28	3	2
322−5	Screw−HH	5	4	2
322−5	Screw−HH	10	9	4
322−5	Screw−HH	25	32	5
322−5	Screw−HH	8	39	13
322−5	Screw−HH	2	56	3
322−6	Screw−HH	37	50	1
322−6	Screw−HH	8	83	2
322−9	Screw−HH	10	24	4
322−11	Screw−HH	35	21	1
322−13	Screw−HH	25	5	4
322−14	Screw−HH	27	14	2
322−14	Screw−HH	26	85	2
322−17	Screw−HH	22	18	1
323−6	Screw−HH	35	25	1
323−6	Screw−HH	2	64	4
323−8	Screw−HH	35	26	1
323−8	Screw−HH	20	29	2
323−9	Screw−HH	24	2	2
323−9	Screw−HH	7	17	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
323−9	Screw−HH	30	18	2
323−10	Screw−HH	8	3	2
323−10	Screw−HH	10	28	2
323−10	Screw−HH	20	43	4
323−11	Screw−HH	8	41	3
323−12	Screw−HH	38	8	1
323−18	Screw−HH	10	1	1
323−34	Screw−HH	36	43	1
323−39	Screw−HH	18	28	3
324−4	Screw−HH	27	10	4
324−5	Screw−HH	14	24	4
324−23	Screw−HH	20	35	2
325−5	Screw−HH	27	7	4
325−5	Screw−HH	29	7	2
325−9	Screw−HH	27	17	4
325−14	Screw−HH	27	5	2
325−23	Screw−HH	29	11	1
3210−5	Screw−HH	18	12	4
3210−7	Screw−HH	22	4	1
3210−7	Screw−HH	15	23	8
3210−7	Screw−HH	30	29	1
3210−8	Screw−HH	18	24	2
3212−4	Screw−HH	27	4	2
3212−5	Screw	36	25	1
3213−2	Screw−HH	2	69	8
3215−3	Screw	30	19	6
3216−3	Screw−HH	11	32	2
3217−5	Nut−Hex.	35	47	1
3217−9	Nut−Lock	27	18	4
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−Hex.	3	4	2
3219−2	Nut	15	2	8
3219−2	Nut−Hex.	22	6	1
3219−14	Nut−Hex.	3	26	9
3220−2	Nut−Jam	36	21	1
3220−2	Nut−Jam RH	11	21	1
3220−3	Nut−Jam	7	16	1
3220−6	Nut	6	27	1
3220−6	Nut−Hex.	5	5	1
3220−7	Nut−Jam	19	50	1
3220−11	Nut−Jam	30	8	4
3230−2	Bolt−CARR	35	13	1
3230−2	Bolt−CARR	7	25	2
3230−2	CARR−Bolt	22	12	2
3230−4	Bolt−CARR	10	11	2
3230−4	Bolt−CARR	36	35	2
3230−23	Bolt−CARR	35	9	2
3230−23	Bolt−CARR	1	28	4
3234−5	Screw−HFH	13	8	8
3234−13	Screw−HFH	1	24	8
3234−13	Screw−HFH	8	74	1
3234−14	Screw−HFH	1	21	8
3234−17	Screw−HFH	13	4	2
3234−17	Screw−HFH	25	15	2
3234−25	Screw−Flange	29	4	4
3234−29	Screw−HFH	36	7	2
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	37	56	1
3249−3	Screw−Round Hd.	13	36	2
3249−11	Screw−Round Hd.	22	8	2
3250−39	Screw−Pan Head	36	18	2
3253−2	Washer−Lock	3	27	10
3253−3	Washer−Lock	23	8	6
3253−3	Washer−Lock	11	8	2
3253−3	Washer−Lock	8	10	4
3253−3	Washer−Lock	25	13	2
3253−3	Washer−Lock	14	15	3
3253−3	Washer−Lock	29	33	6
3253−3	Washer−Lock	35	36	5
3253−4	Washer−Lock	10	10	4
3253−4	Washer−Lock	27	13	2
3253−4	Washer−Lock	29	26	1
3253−4	Washer−Lock	26	84	2
3253−4	Washer−Lock	9	87	2
3253−6	Washer−Lock	27	3	2
3253−7	Washer−Lock	27	16	6
3253−7	Washer−Lock	2	68	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	35	48	1
3254−9	Washer−Lock, Int. Tooth	22	10	2
3254−20	Washer−Lock, Int. Tooth	3	25	1
3255−8	Washer−Lock, Ext. Tooth	15	3	8
3255−8	Washer−Lock, Ext. Tooth	1	12	4
3255−8	Washer−Lock, Ext. Tooth	25	39	1
3255−8	Washer−Lock, Ext. Tooth	8	46	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	25	18	9
3256−22	Washer−Flat	5	35	3
3256−23	Washer	9	90	4
3256−23	Washer−Flat	11	1	1
3256−23	Washer−Flat	5	1	4
3256−23	Washer−Flat	25	3	6
3256−23	Washer−Flat	28	4	2
3256−23	Washer−Flat	27	12	2
3256−23	Washer−Flat	22	19	2
3256−23	Washer−Flat	36	19	4
3256−23	Washer−Flat	35	20	1
3256−23	Washer−Flat	29	40	4
3256−23	Washer−Flat	5	42	2
3256−24	Washer−Flat	8	4	4
3256−24	Washer−Flat	25	7	1
3256−24	Washer−Flat	7	12	5
3256−24	Washer−Flat	36	22	2
3256−24	Washer−Flat	35	27	1
3256−24	Washer−Flat	18	44	1
3256−25	Washer−Flat	27	2	2
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	27	8	6
3256−26	Washer−Flat	5	14	1
3256−27	Washer−Flat	25	45	1
3256−67	Washer−Flat	14	14	3
3256−69	Washer−Flat	5	45	AR
3256−69	Washer−Flat	26	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	25	30	2
3269−10	Washer−Flat	13	29	3
3269−13	Rivet	13	31	3
3272−4	Pin−Cotter	26	75	2
3272−5	Pin−Cotter	5	13	3
3272−5	Pin−Cotter	11	20	1
3272−6	Pin−Cotter	7	14	3
3272−10	Pin−Cotter	18	4	1
3272−10	Pin−Cotter	7	9	4
3272−10	Pin−Cotter	5	18	5
3272−10	Pin−Cotter	11	39	1
3272−10	Pin−Cotter	2	46	1
3272−11	Pin−Cotter	25	6	2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
3272−11	Pin−Cotter	30	11	2
3272−15	Pin−Cotter	10	26	1
3272−17	Pin−Cotter	33	31	2
3272−17	Pin−Cotter	14	32	2
3272−23	Pin−Cotter	11	29	4
3273−38	Screw−HH	14	34	4
3274−32	Screw−HSH	1	13	4
3274−64	Screw−HH	29	34	6
3274−64	Screw−HSH	23	7	6
3274−65	Screw−Socket Button Hd.	3	2	4
3290−55	Rivet	13	13	2
3290−255	Pin−Hair, Cotter	25	11	1
3290−271	Rivet	2	48	4
3290−359	Screw−Machine	1	9	4
3290−378	Tie−Cable	26	61	1
3290−378	Tie−Cable	8	75	1
3296−4	Nut−Lock	30	26	1
3296−6	Nut−Lock	39	9	3
3296−9	Nut−Lock	36	15	2
3296−12	Nut−Lock	3	19	1
3296−12	Nut−Lock	2	49	4
3296−12	Nut−Lock	25	49	4
3296−15	Nut−Lock	11	24	2
3296−20	Nut−Lock	5	2	4
3296−25	Nut−Lock	29	6	2
3296−29	Nut−Lock	36	9	1
3296−29	Nut−Lock	5	10	2
3296−29	Nut−Lock	35	12	3
3296−29	Nut−Lock	22	20	3
3296−29	Nut−Lock	10	21	4
3296−29	Nut−Lock	8	25	10
3296−29	Nut−Lock	11	40	1
3296−39	Nut−Lock	10	8	2
3296−39	Nut−Lock	30	14	2
3296−39	Nut−Lock	7	21	1
3296−39	Nut−Lock	35	22	2
3296−39	Nut−Lock	8	24	5
3296−39	Nut−Lock	18	39	2
3296−42	Nut−Lock	22	1	4
3296−42	Nut−Lock	25	4	3
3296−42	Nut−Lock	38	4	2
3296−42	Nut−Lock	13	11	4
3296−42	Nut−Lock	36	11	2
3296−42	Nut−Lock	5	25	1
3296−42	Nut−Lock	11	34	2
3296−45	Nut−Lock	29	13	1
3296−48	Nut−Lock	14	17	4
3296−48	Nut−Lock	27	19	4
3296−51	Nut−Lock	29	15	1
3296−59	Nut−Lock	36	23	1
32105−1	Screw	3	17	1
32105−8	Screw	35	45	2
32105−13	Screw−HH	25	2	4
32107−11	Nut−Square	25	28	2
32120−10	Ring−Retaining	35	4	1
32121−6	Pin−Roll	7	4	1
32121−6	Pin−Roll	25	46	1
32121−15	Pin−Roll	16	34	1
32121−32	Pin−Roll	36	39	1
32121−34	Pin−Roll	24	1	1
32121−34	Pin−Roll	10	23	1
32121−44	Pin−Roll	34	16	1
32121−49	Pin−Spring	14	26	2
32121−50	Pin−Roll	5	24	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	35	8	3
32128−20	Nut−Flange	1	25	4
32128−20	Nut−Flange	25	26	9
32128−20	Nut−Flange	8	72	3
32128−20	Nut−Lock	13	3	6
32128−20	Nut−Lock	14	10	1
32128−23	Nut−Flange Lock	27	11	4
32128−25	Nut−Lock	37	54	2
32128−33	Nut−Flange	1	6	13
32128−33	Nut−HHF	8	78	1
32128−33	Nut−Hex. Flange	26	76	3
32128−44	Nut−Flange Lock	7	28	2
32128−44	Nut−Flange Lock	2	57	3
32128−49	Nut−Flange	7	23	2
32128−50	Pin−Roll	7	32	1
32128−56	Nut−Flange	7	24	2
32136−13	Nut−Slotted	30	12	2
32144−1	Screw−HH	3	20	2
32144−14	Screw−HH	29	10	1
32144−21	Screw−PPH	5	41	1
32148−6	Nut−Clinch	26	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	26	86	2
32148−10	Nut−Clinch	2	60	10
32148−11	Nut−Clinch	11	41	2
32148−11	Nut−Clinch	8	77	2
32149−1	Nut−Keps	36	31	2
32149−1	Nut−Lock	10	15	2
32149−7	Nut−Keps	35	46	2
32151−46	Ring−Retaining	20	1	2
32151−83	Snap Ring	36	47	2
32152−5	Nut−Lock	18	14	6
32153−2	Nut−Lock	24	7	2
32153−2	Nut−Lock (Europe)	2	62	4
33094−00	Washer−Flat	29	25	1
33104−040	Bolt	29	27	1
340−2	Fitting−Hydraulic Straight	11	10	1
340−70	Nut−Fitting	11	35	1
340−71	Fitting−Hydraulic Bulkhead	11	36	1
340−77	Fitting−Hydraulic 90˚	11	*	1
340−77	Fitting−Hydraulic 90˚	11	17	2
340−86	Fitting−Hydraulic Tee	11	26	1
340−132	Fitting−Hydraulic 90˚	30	4	2
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
354−71	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 seat. In any correspondence concerning the Groundsmaster 223D, supply model and serial numbers to assure that correct information and replacement parts are obtained.

To order replacement parts from an Authorized TORO Service Dealer, supply the following information:
1. Model and serial number of the Groundsmaster 223D.
2. Part number, description, and the quantity of part(s) desired.

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

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MAINTENANCE RECORD

Date								