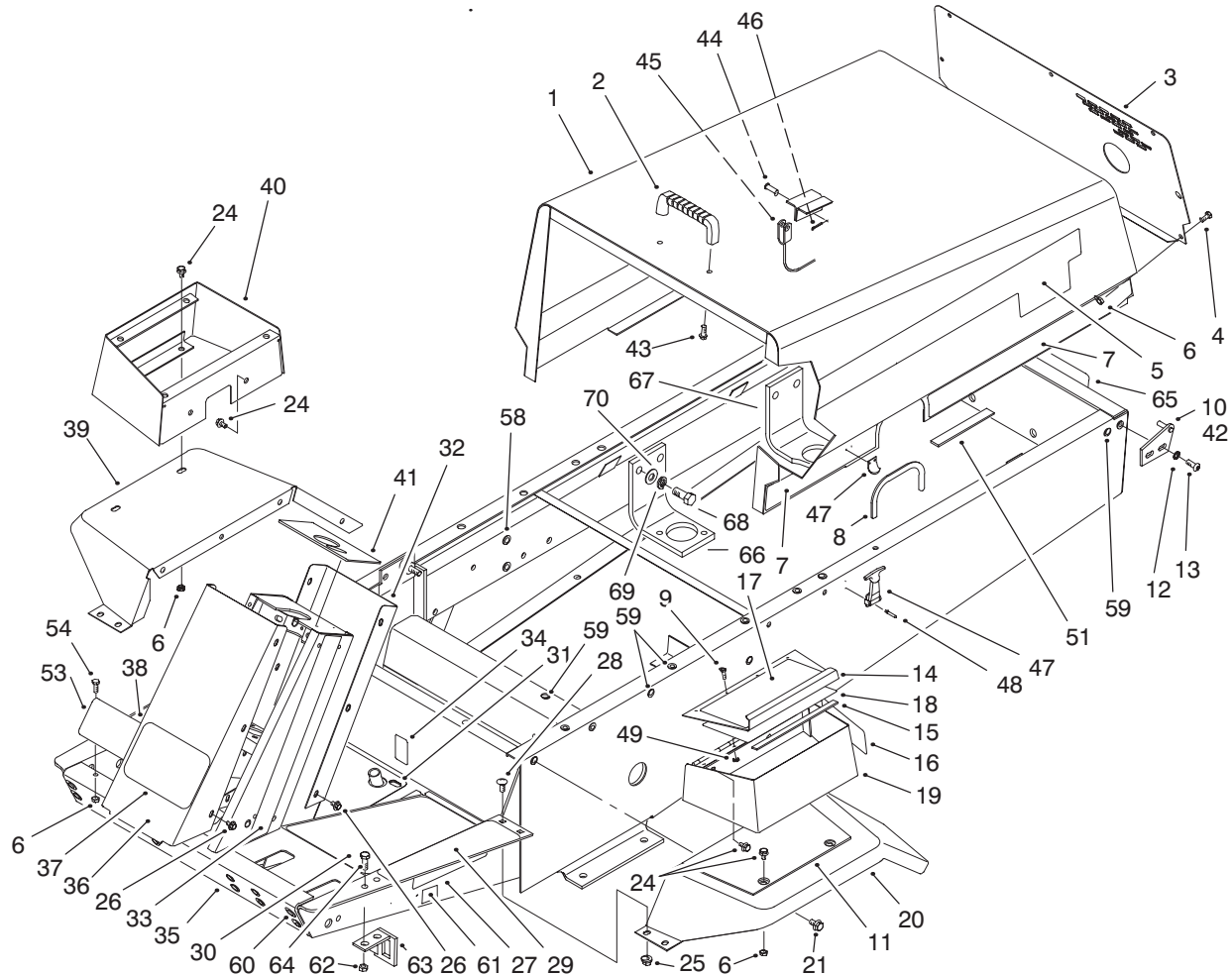



MODEL NO. 30223-70161 & UP
MODEL NO. 30223TE-70221 & UP
PARTS
CATALOG
GROUNDMASTER 223-D
TRACTION UNIT


T-0524-6

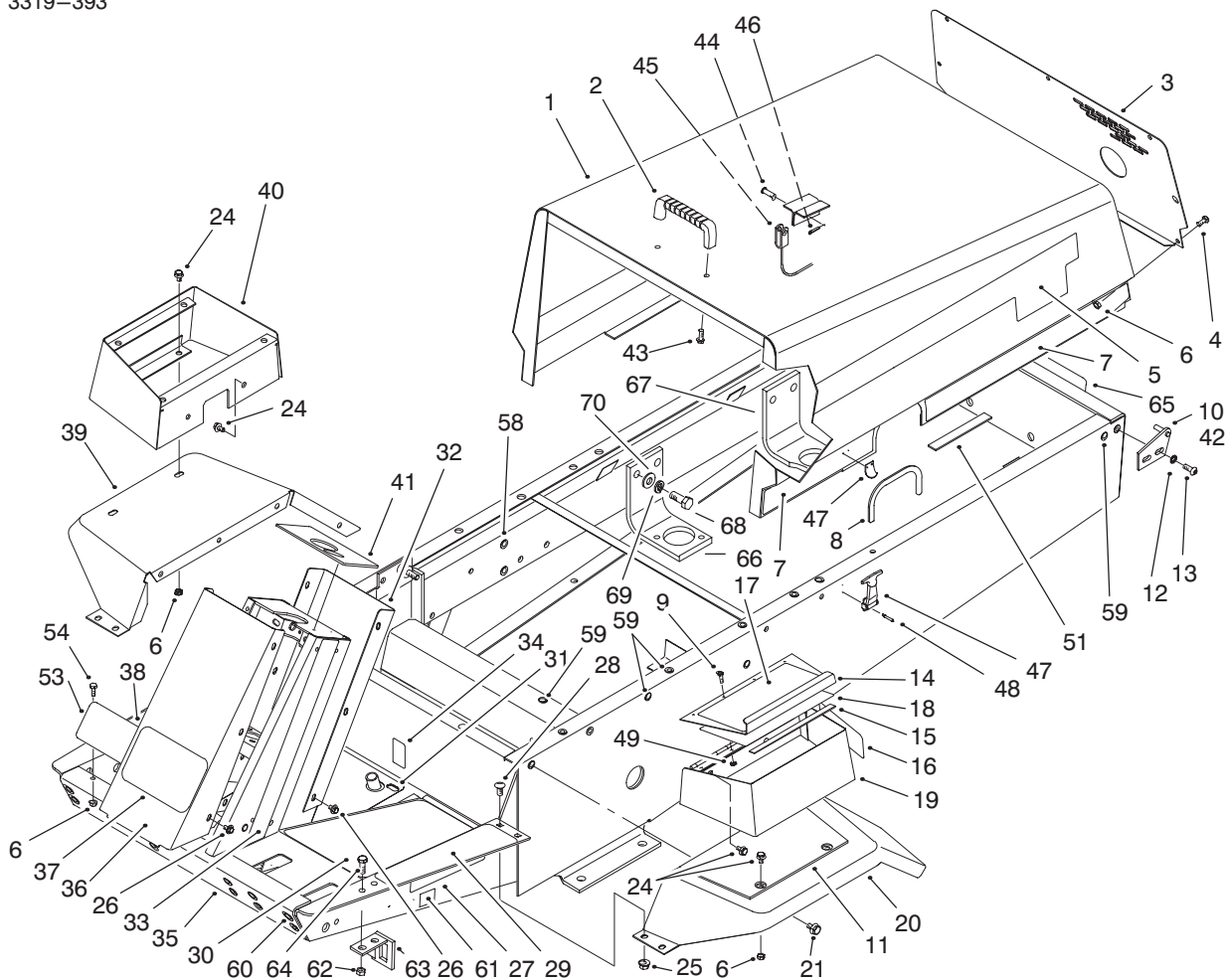
BODY ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	14-7149	Asm - Hood	1	16	93-7822	Decal - Refueling (Europe)	1
2	65-5100	Handle - Hood	1	17	92-8797	Decal - Caution	1
3	63-7030	Screen - Hood	1	17	93-7805	Decal - Warning (Europe)	1
4	321-3	Screw - HH	7	18	84-1960	Decal - Service	1
5	93-3186	Decal - GM 223-D	2	19	92-6501	Asm - Tool Box (Incl. Ref. #16)	1
6	32128-33	Nut - Flange	13	20	63-7310	Fender L.H.	1
7	93-3193	Decal - Hood L.H.	1	21	3234-14	Screw - HF	8
*	93-3192	Decal - Hood R.H.	1	24	3234-13	Screw - HF	8
8	66-8110	Trim - Hood	1	25	32128-20	Nut - Flange	4
9	3290-359	Screw - Machine	4	26	46-6810	Screw - HH	13
10	63-6900	Plate Hinge L.H.	1	27	67-1720	Decal - Caution	2
11	76-4790	Pad - Rubber	1	27	93-7830	Decal - Torque (Europe)	2
12	3255-8	Washer - Lock	4	28	3230-23	Bolt - Carriage	4
13	3274-32	Screw - HSBH	4	29	66-3200	Tread - Foot Rest L.H.	1
14	66-3040	Cover - Tool Box	1	30	66-3210	Tread - Foot L.H.	1
15	66-3050	Strip - Magnetic	1	31	92-5540	Tread - Foot R.H.	1
16	27-7310	Decal - Refueling	1				

*Not Illustrated

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TPS

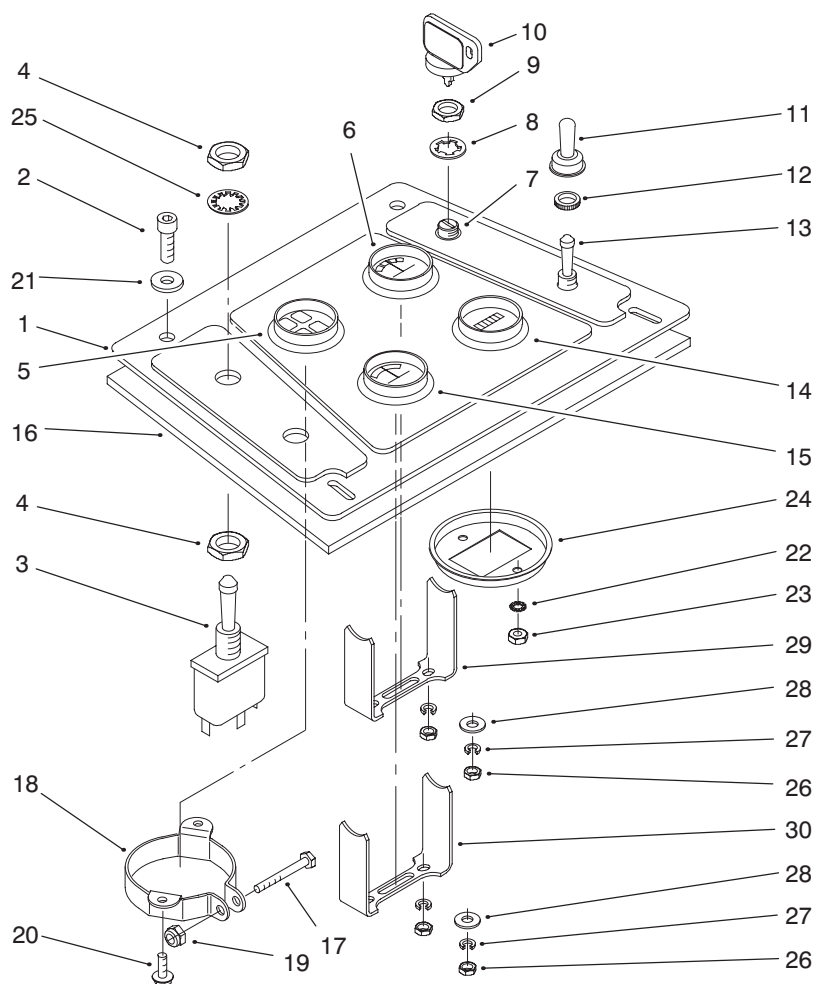


T-0524-6

BODY ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
32	63-7320	Cover - Tower Rear	1	48	3290-271	Rivet	4
33	66-8760	Decal - Tower L.H.	1	49	3296-12	Nut - Hex.	4
*	66-8770	Decal - Tower R.H.	1	51	82-8950	Foam	2
34	53-4430	Decal - Oil	1	53	92-5548	Shield - Pedal Stop	1
34	93-7823	Decal - Oil (Europe)	1	54	321-4	Screw - HH	2
35	95-6280	Asm - Frame (Incl. Ref. #27, 29-31, 34, 38, 58-60, 65 & #80 page 8)	1	58	32148-9	Nut - Clinch	3
36	92-5545	Cover - Tower Front	1	59	32148-7	Nut - Clinch	22
37	62-5550	Decal - TORO	1	60	32148-10	Nut - Clinch	10
38	92-5772	Decal Traction Pedal	1	61	93-7252	Decal - CE (Europe)	1
38	93-7834	Decal - Traction Pedal (Europe)	1	62	32153-2	Nut - Lock (Europe)	4
39	63-7300	Fender - R.H.	1	63	93-8474	Bracket - Latch, LH (Europe)	1
40	63-8050	Box - Control	1	*	93-8473	Bracket - Latch, RH (Europe)	1
41	66-2470	Plate - Tower	1	64	323-6	Screw - HH (Europe)	4
42	63-6890	Plate - Hinge R.H.	1	65	62-7400	Decal - Toro	1
43	46-8091	Screw - HH	2	66	95-6270	Bracket - Mount, Engine	3
44	283-58	Pin - Clevis	1	67	95-6271	Bracket - Mount, Engine	1
45	66-2870	Cable - Hood Stop	1	68	3213-3	Screw - HH	8
46	3272-10	Pin - Cotter	1	69	3253-7	Washer - Lock	8
47	59-9740	Asm - Latch, Flex. Draw	1	70	3256-40	Washer - Flat	8

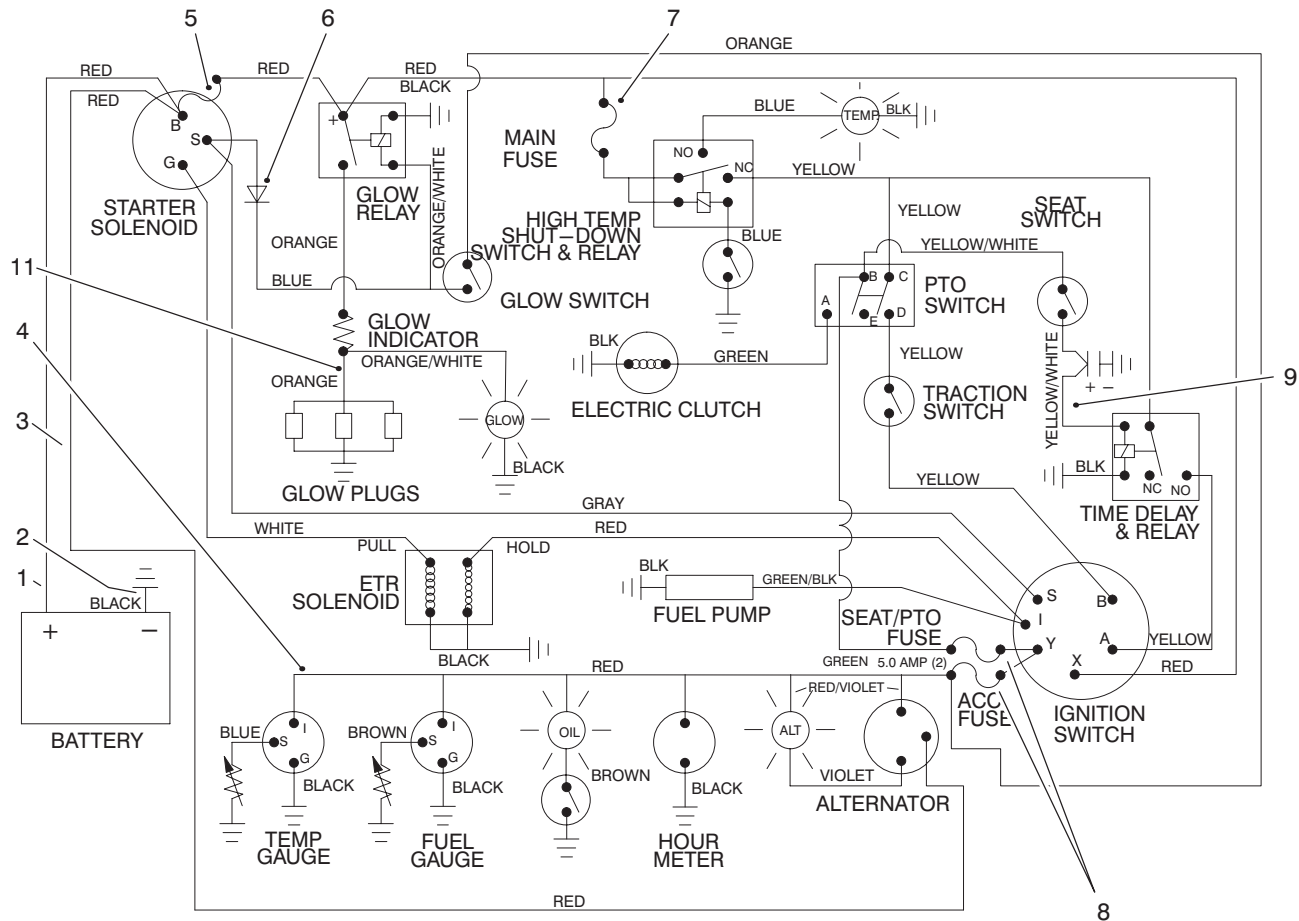
*Not Illustrated



T-0525-2

CONTROL PANEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	66-2460	Panel - Control	1	15	63-7430	Gage - Temperature (Incl. Ref. #26-28 & 30)	1
1	93-7835	Panel - Control (Europe)	1	16	85-7560	Plate - Control Panel	1
2	3274-65	Screw - HSBH	4	17	32105-1	Screw	1
3	85-4980	Switch - PTO (Incl. Ref. #4 & 25)	1	18	69-4780	Clamp - Gauge	1
4	3218-19	Nut - Jam	2	19	3296-2	Nut - Lock	1
5	66-2960	Cluster - Warning Light	1	20	32144-1	Screw - HH	2
6	66-2940	Gage - Fuel (Incl. Ref. #26-29)	1	21	3256-1	Washer - Flat	4
7	27-2360	Switch - Ignition (Incl. Ref. #8-10)	1	22	3255-20	Washer - Lock, Ext. Tooth	2
8	218-447	Washer - Lock	1	23	3217-25	Nut - Hex.	2
9	218-446	Nut - Hex.	1	24		Clamp	1
10	63-8360	Key - Ignition	1	25	3254-20	Washer - Lock, Int. Tooth	1
11	218-473	Boot - Switch	1	26	3219-14	Nut - Hex.	9
12	218-497	Nut - Face	1	27	3253-2	Washer - Lock	10
13	6-1659	Switch - Glow Plugs (Incl. Ref. #11 & 12)	1	28	3256-14	Washer - Flat	4
14	66-2950	Meter - Hour (Incl. Ref. #22-24)	1	29		Clamp	1
				30		Clamp	1



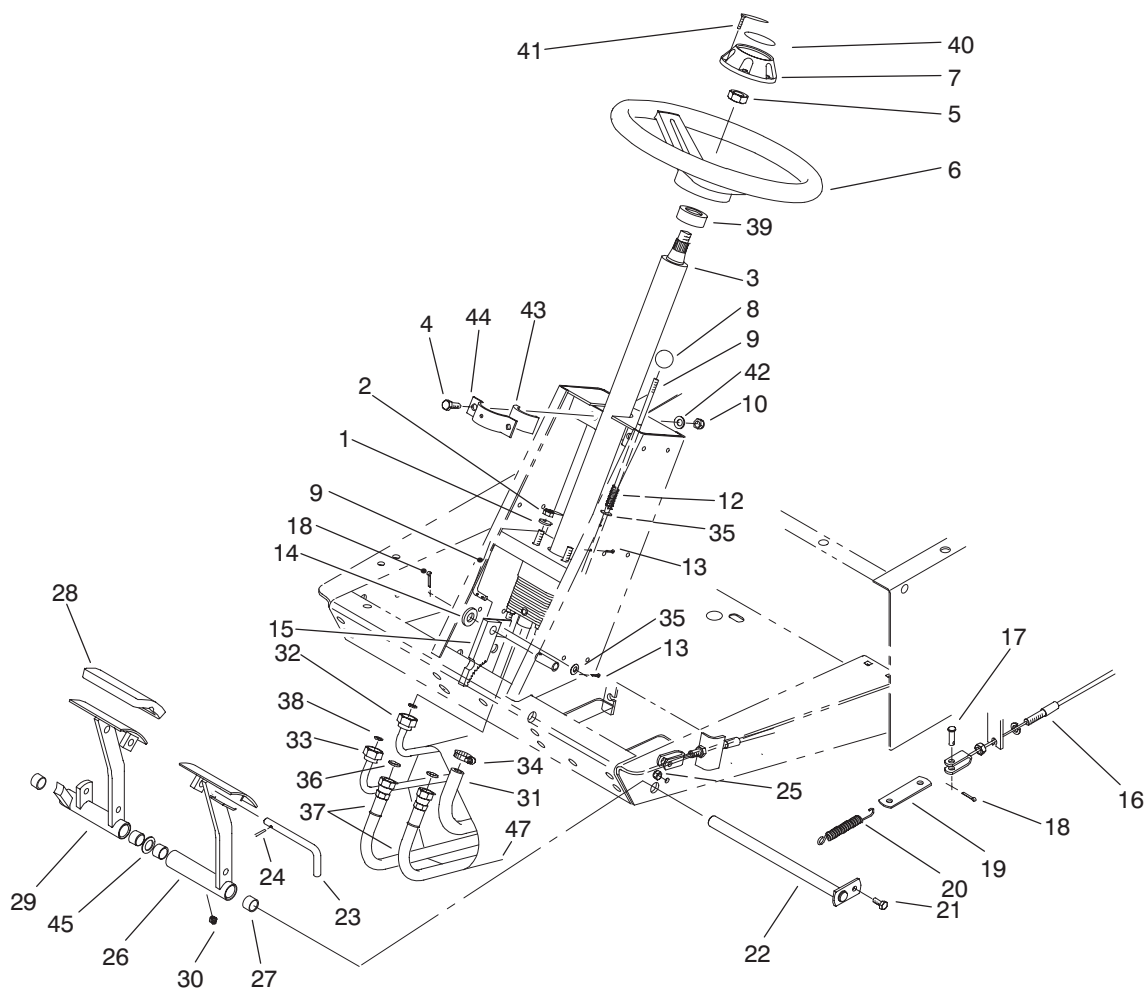
T-2662

ELECTRICAL SCHEMATIC

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

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

*Not Illustrated

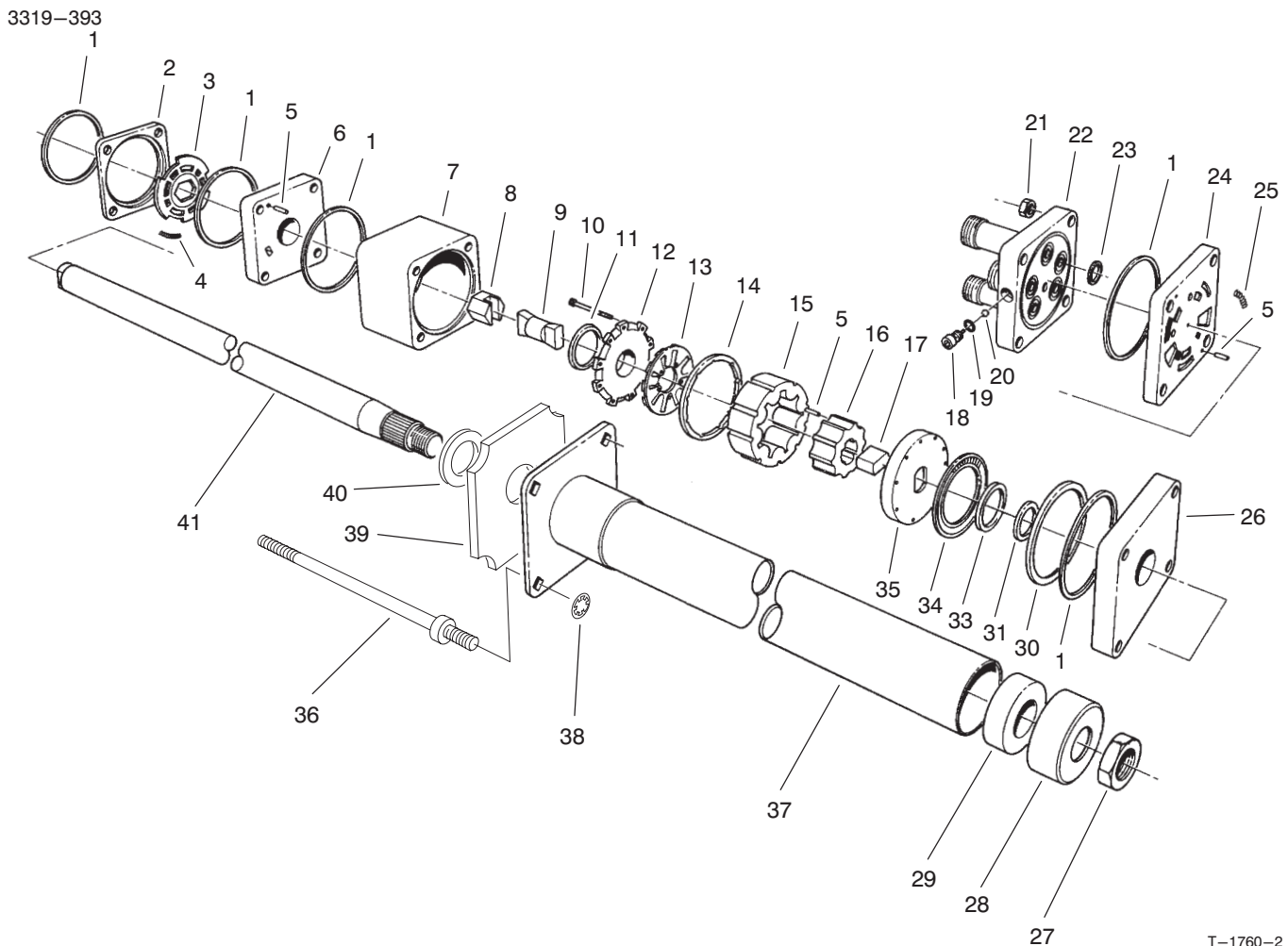


T-1247-3

POWER STEERING & BRAKE PEDAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3256-23	Washer - Flat	4	24	32121-50	Pin - Roll	1
2	3296-20	Nut - Lock	4	25	3296-42	Nut - Lock	1
3	92-7308	Valve - Power Steering (Incl. Ref. #7)	1	26	63-6180	Pedal - L.H. Brake (Incl. Ref. #27 & 30)	1
4	322-5	Screw - HH	2	27	256-42	Bushing	4
5	3220-6	Nut - Hex.	1	28	7-3900	Foot Pad - Brake	2
6	75-0560	Wheel - Steering (Incl. Ref. #7 & 41)	1	28	93-8742	Foot Pad - Brake (Europe)	2
7	68-5140	Cap - Steering Wheel (Incl. Ref. #41)	1	29	63-6190	Pedal - R.H. Brake (Incl. Ref. #27 & 30)	1
8	233-17	Knob	1	30	302-5	Fitting - Grease	2
9	63-7910	Rod - Brake Latch	1	31	66-8140	Hose	1
10	3296-29	Nut - Lock	2	32	66-8630	Tube - Hydraulic (Str.-Lift)	1
12	95-1821	Spring	1	33	66-8620	Tube Hydraulic (Pump-Str.)	1
13	3272-5	Pin - Cotter	3	34	2412-36	Clamp	2
14	3256-26	Washer - Flat	1	35	3256-22	Washer - Flat	3
15	63-7900	Rack - Brake	1	36	237-30	O-Ring	2
16	63-7730	Asm - Cable, Brake R.H.	1	37	66-8170	Hose - Hydraulic	2
*	63-7731	Asm - Cable, Brake L.H.	1	38	237-22	O-Ring	2
17	283-58	Pin - Clevis	4	39	21-9260	Cover - Dust	1
18	3272-10	Pin - Cotter	5	40	68-5370	Decal - Toro	1
19	63-6750	Link - Brake Cable	2	41	32144-21	Screw - PPH	1
20	3-7243	Spring - Return	2	42	3256-23	Washer - Flat	2
21	321-3	Screw - HH	1	43	84-7670	Foam - Column Support	2
22	63-6210	Pin - Brake	1	44	84-7660	Clamp - Column	1
23	63-7880	Pin - Brake Latch	1	45	3256-69	Washer - Flat	A/R
				47	44-8530	Sock - Hose	1

*Not Illustrated



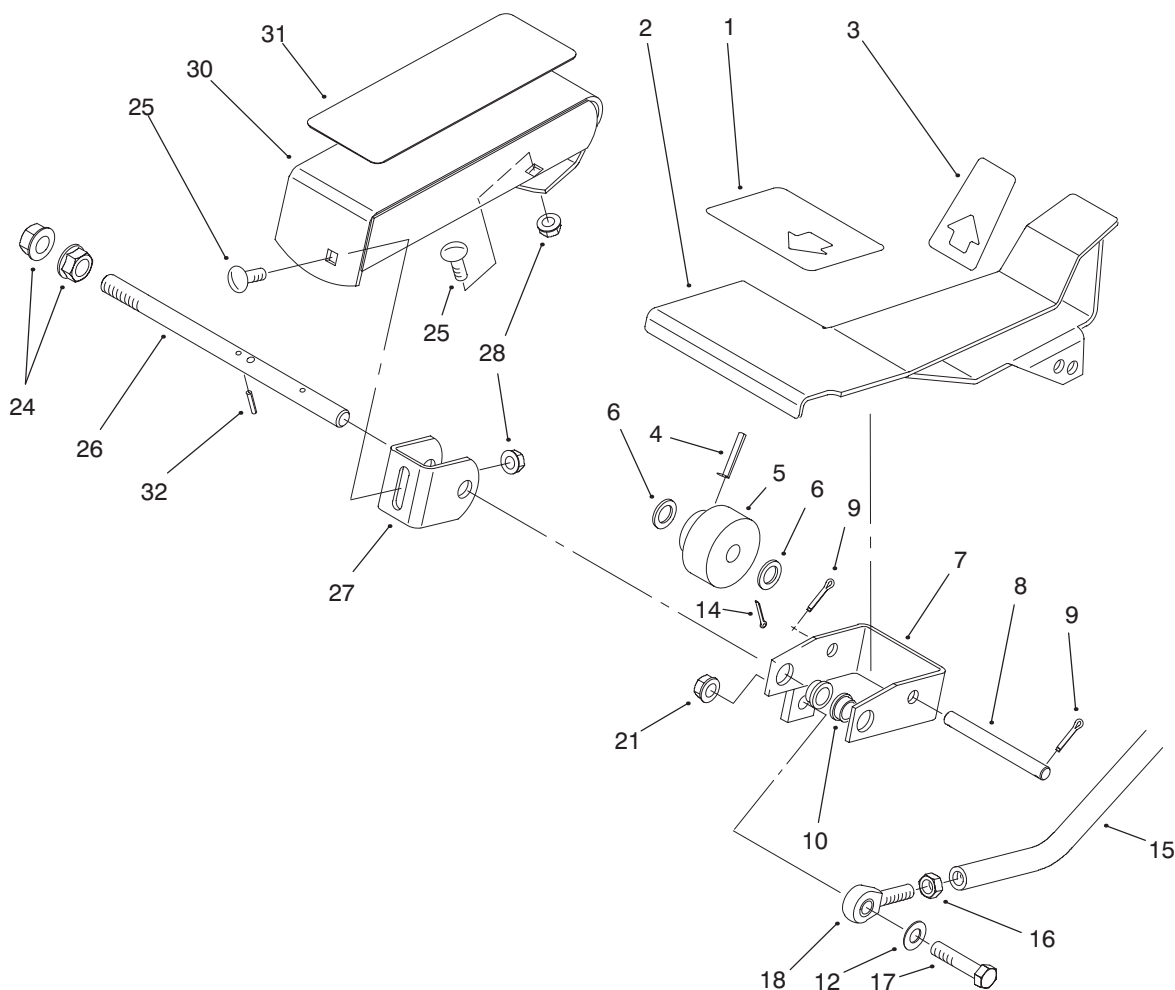
T-1760-2

STEERING VALVE ASSEMBLY NO. 92-7308

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

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

*Not Illustrated

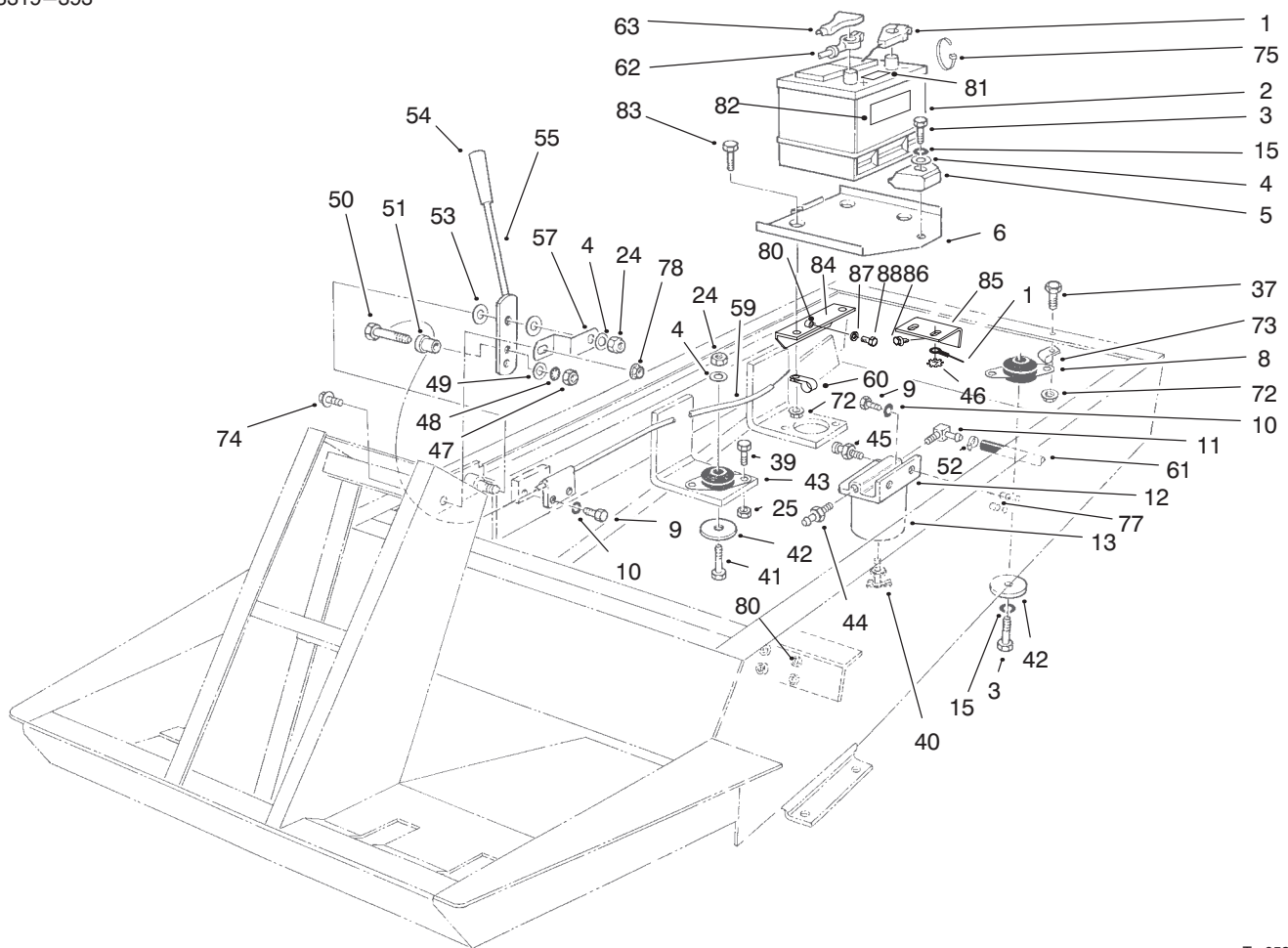


T-1806-2

TRACTION PEDAL ASSEMBLY

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

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



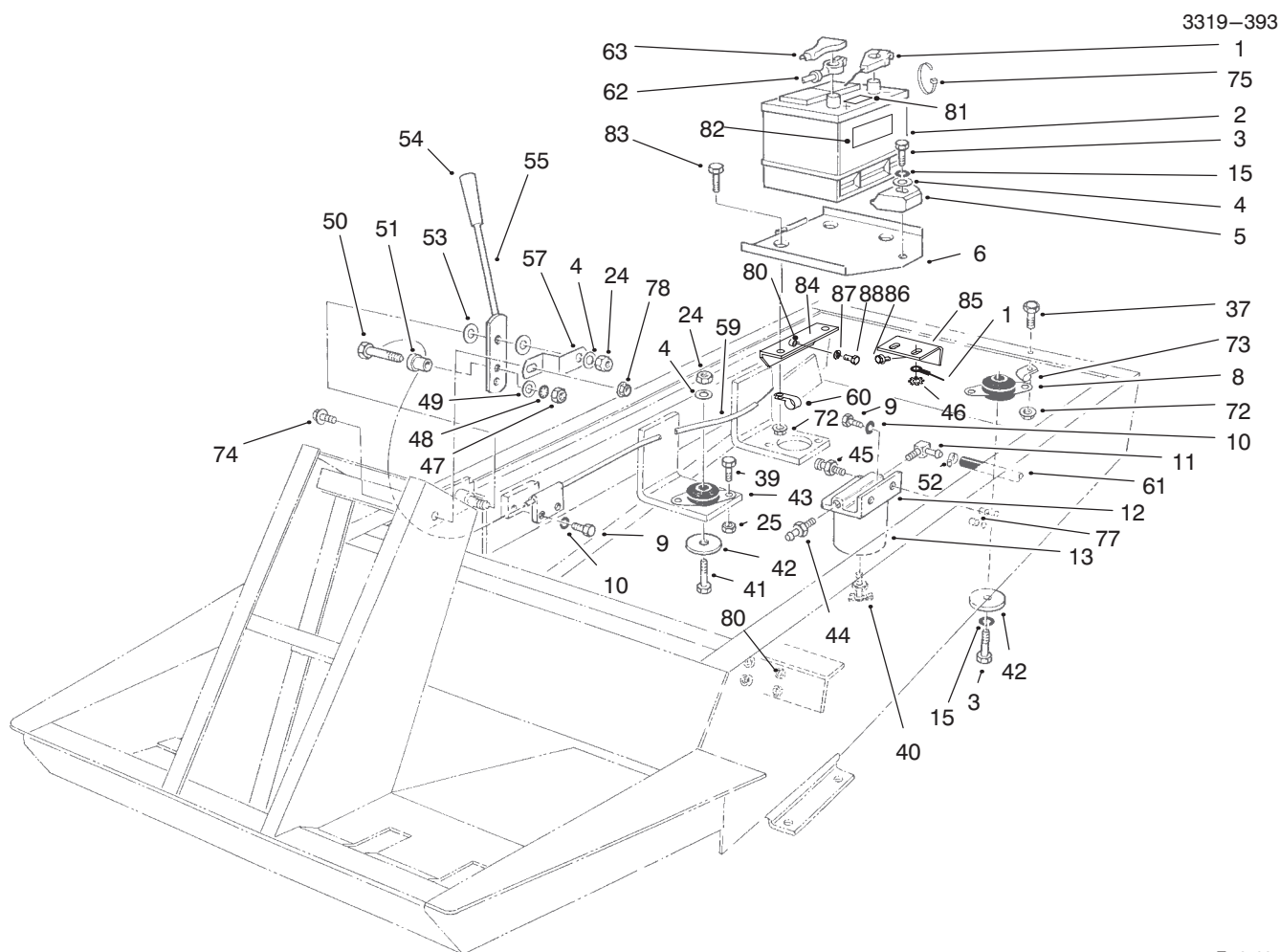
T-0530-4

BATTERY & ENGINE MOUNT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	63-7340	Wire - Ground	1
†2		Battery	
		Type 26 SMF-5	1
3	323-8	Screw - HH	2
4	3256-24	Washer - Flat	4
5	66-2490	Clamp - Battery Retainer	1
6	94-7343	Base - Battery	1
8	63-7141	Mount - Shock (Red)	1
9	321-4	Screw - HH	4
10	3253-3	Washer - Lock	4
11	353-781	Fitting 90°	1
12	63-8280	Asm - Head	1
13	63-8300	Element - Spin On	1
15	3253-21	Washer - Lock	2
24	3296-39	Nut - Lock	3
25	3296-29	Nut - Lock	8
37	322-3	Screw - HH	1
39	322-5	Screw - HH	8
40	63-8310	Valve - Drain	1
41	323-11	Screw - HH	3
42	63-7400	Washer - Rebound	4
43	63-7142	Mount - Shock (Yellow)	3
44	353-783	Fitting - Straight	1
45	63-8290	Vent - Air	1
46	3255-8	Washer - Lock	1
47		Nut - Hex.	1

Ref. No.	Part No.	Description	No. Used
48		Washer - Lock, Int. Tooth	1
49		Washer - Flat	1
50		Screw - Special	1
51		Sleeve - Connector	1
52	2412-108	Clamp	2
53	66-2920	Washer - Friction	2
54	233-39	Knob	1
55	71-3500	Lever - Throttle	1
57	66-2670	Bracket - Throttle	1
59	76-1000	Cable - Throttle	1
60	92-5753	R-Clamp	1
61	63-7610	Hose	1
62	43-4031	Cable - Battery, Positive	1
63	28-1280	Boot - Cable, Positive	1
72	32128-20	Nut - Flange	5
73	2412-104	R-Clamp	1
74	3234-13	Screw - HFH	1
75	3290-378	Tie - Cable	1
77	32148-11	Nut - Clinch	2
78	32148-33	Nut - Flange Head	1
80	32148-8	Nut - Clinch	6
81	93-7276	Decal - Danger (Europe)	1
82	93-6668	Decal - Battery Charging (Europe)	1
83	322-6	Screw - HH	3
84	95-1592	Angle - Base, Battery	1

†Obtain Locally



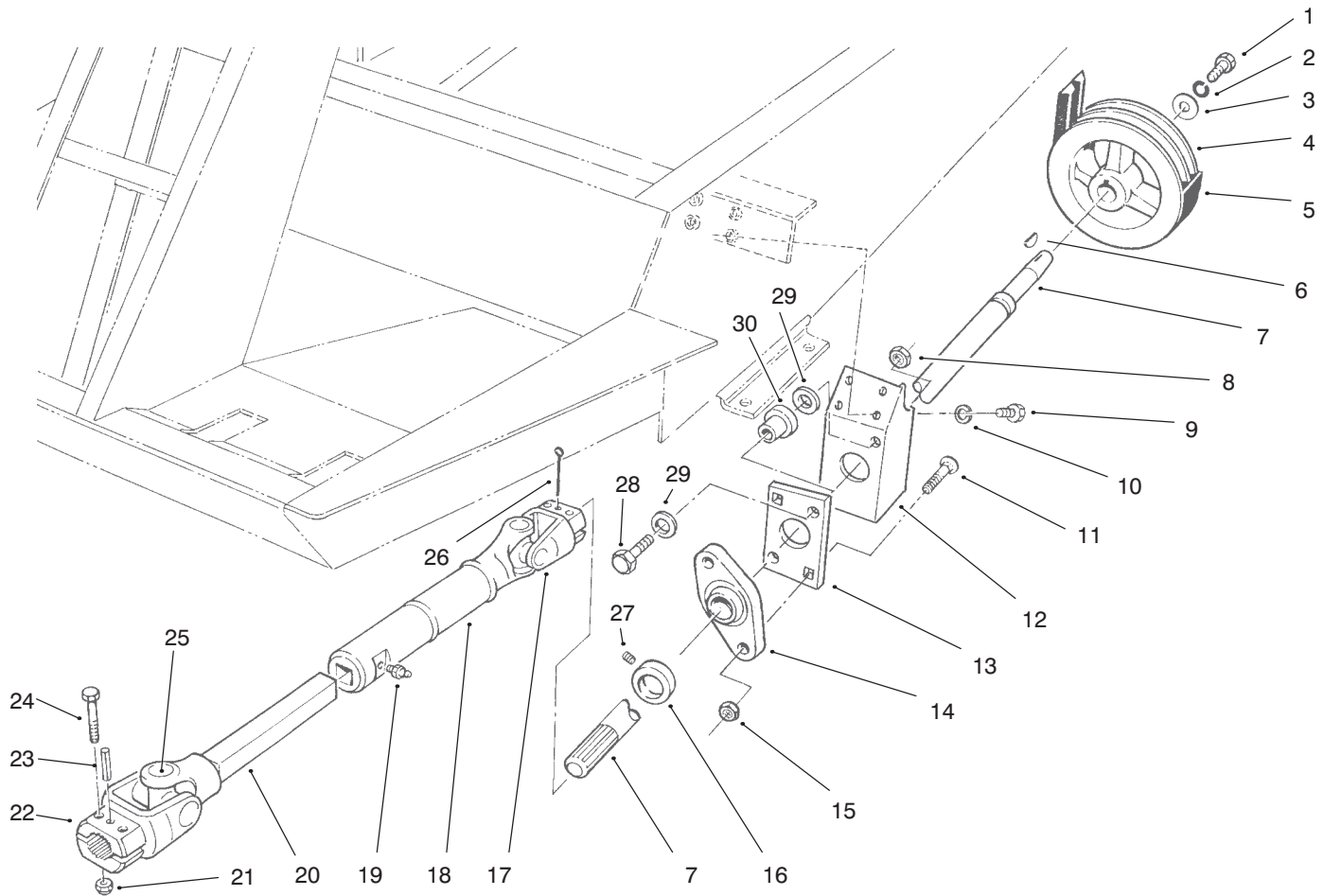
T-0530-4

BATTERY & ENGINE MOUNT ASSEMBLY (Continued)

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

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

*Not Illustrated



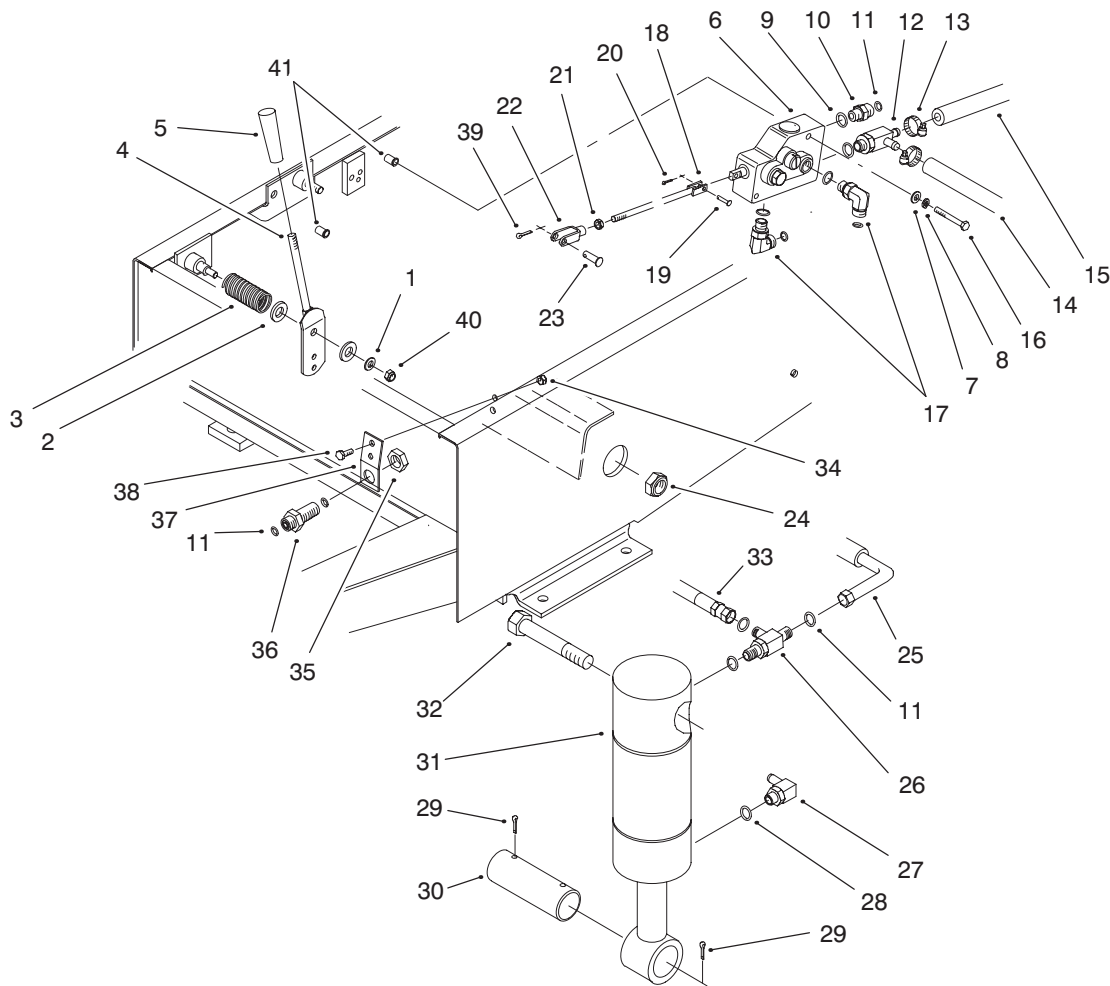
T-2745

DRIVE SHAFT & POWER-TAKE-OFF ASSEMBLY

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

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

*Not Illustrated

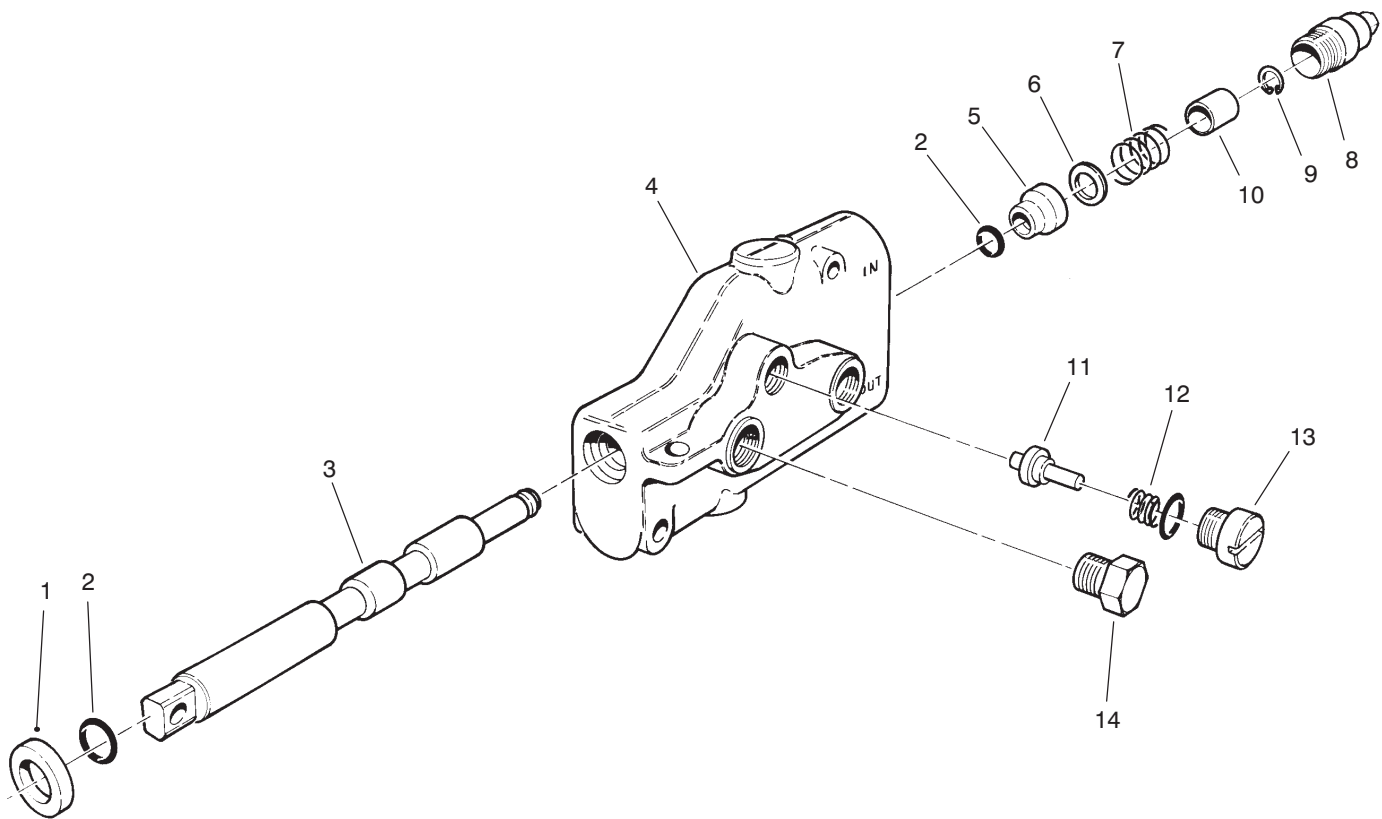


T-0531-5

HYDRAULIC LIFT SYSTEM ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3256-23	Washer - Flat	1	24	3296-15	Nut - Lock	2
2	3256-26	Washer - Flat	2	25	66-8190	Asm - Hose, Hydraulic	1
3	70-7530	Spring - Compression	1	26	340-86	Fitting - Tee (Incl. Ref. #9 & 11)(Used On Cap End of Left Cyl.)	1
4	66-2720	Lever - Lift	1	*	340-77	Fitting - 90° Elbow (Incl. Ref. #9 & 11)(Used On Cap End of Right Cyl.)	1
5	233-39	Knob	1	27	304-99	Fitting - 90° Elbow (Incl. Ref. #28)	2
6	63-7960	Valve - Lift	1	28	237-78	O-Ring	2
7	3256-22	Washer - Flat	2	29	3272-23	Pin - Cotter	4
8	3253-3	Washer - Lock	2	30	27-4240	Pin - Cylinder	2
9	237-42	O-Ring	6	31	63-6630	Cylinder - Lift	2
10	340-2	Fitting - Straight (Incl. Ref. #9 & 11)	1	32	3216-3	Screw - HH	2
11	237-22	O-Ring	9	33	66-8640	Asm - Hose, Hydraulic	1
12	66-3130	Fitting - Tee (Incl. Ref. #9)	1	34	3296-42	Nut - Lock	2
13	2412-36	Clamp - Hose	3	35	340-70	Nut - Fitting	1
14	66-8150	Hose - Hydraulic	1	36	340-71	Fitting - Bulkhead (Incl. Ref. #11 & 35)	1
15	66-8500	Hose	1	37	63-7410	Bracket - Bulkhead	1
16	321-11	Screw - HH	2	38	321-4	Screw - HH	2
17	340-77	Fitting - 90° Elbow (Incl. Ref. #9 & 11)	2	39	3272-10	Pin - Cotter	1
18	76-4830	Rod - Tie	1	40	3296-29	Nut - Lock	1
19	283-16	Pin - Clevis	1	41	32148-11	Nut - Clinch	2
20	3272-5	Pin - Cotter	1				
21	3220-2	Nut - Jam, RH Thread	1				
22	282-27	Clevis	1				
23	283-58	Pin - Clevis	1				

*Not Illustrated



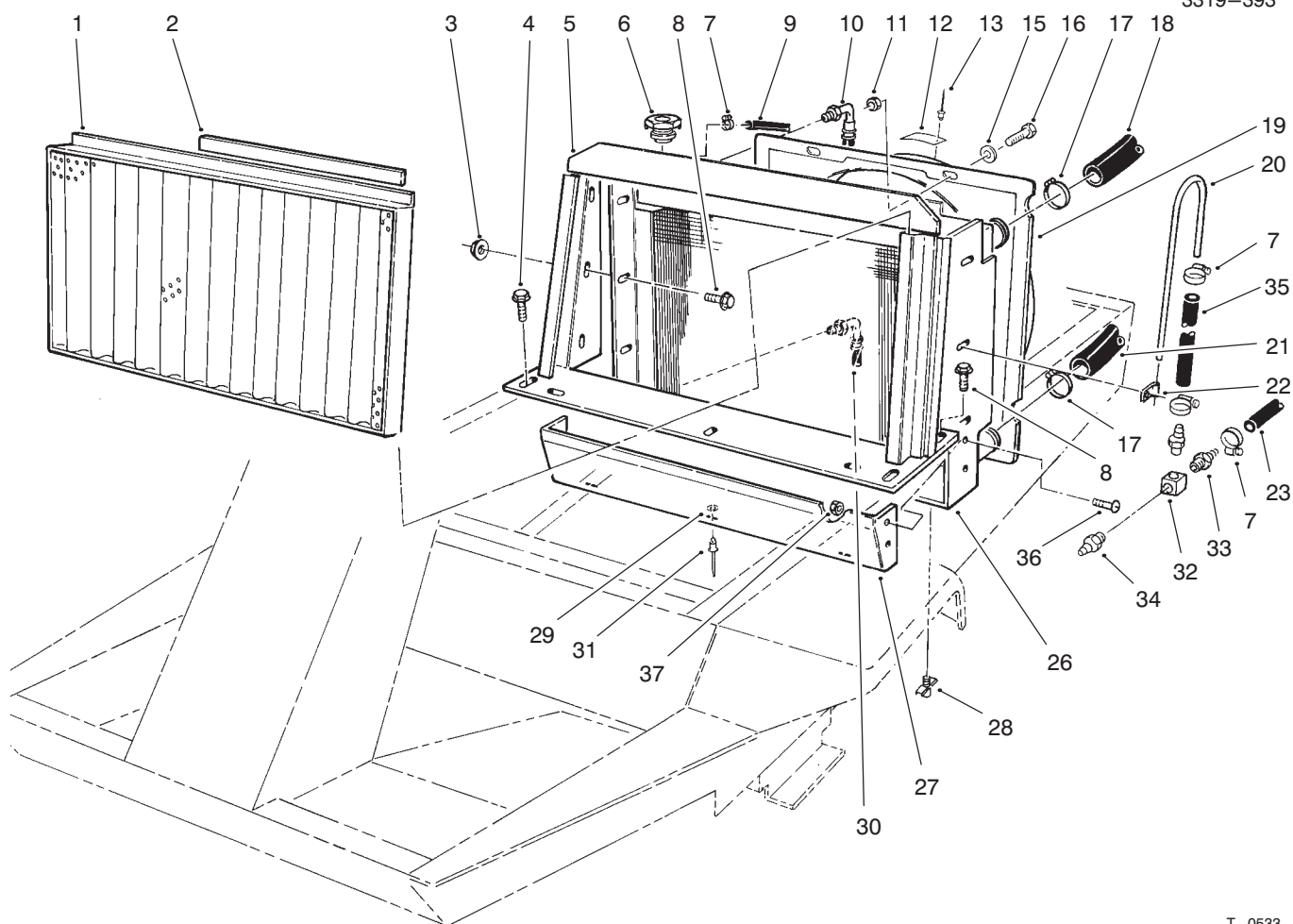
T-0532-1

LIFT VALVE ASSEMBLY NO. 63-7960

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

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

*Not Illustrated

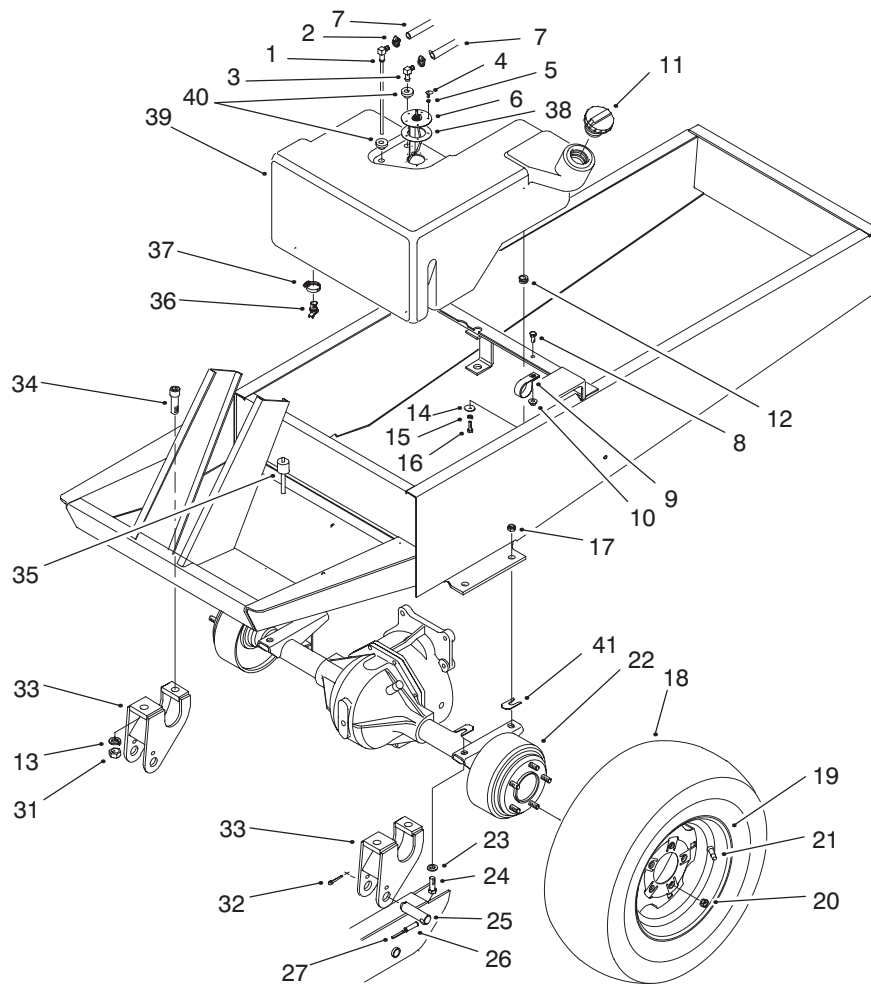


T-0533-2

RADIATOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	63-7700	Asm - Frame, Screen	1	20	66-3180	Tube - Vent	1
2	63-7710	Magnetic Strip	1	21	63-6020	Hose - Lower	1
3	32128-20	Nut - Lock	6	22	2412-103	R-Clamp	2
4	3234-17	Screw - HFH	2	23	63-7600	Hose - Fuel	1
5	92-5757	Asm - Radiator Support	1	26	82-2310	Asm - Radiator	1
6	66-3240	Cap - Radiator	1	27	63-6440	Shield - Radiator	1
7	2412-108	Clamp - Hose	8	28	304-46	Drain Cock	1
8	3234-5	Screw - HFH	8	29	3269-10	Washer - Flat	3
9	71-3384	Hose	1	30	66-8500	Asm - Hose	1
10	66-8180	Asm - Hose	1	31	3269-13	Rivet	3
11	3296-42	Nut - Lock	4	32	354-20	Block	1
12	76-8750	Plate - Warning	1	33	354-22	Fitting	2
12	93-6681	Decal - Warning (Europe)	1	34	354-21	Fitting	1
13	3290-271	Rivet	2	35	66-3170	Hose	1
15	3256-22	Washer - Flat	4	36	3249-3	Screw - Rd. Hd.	2
16	321-4	Screw - HH	4	37	3217-29	Nut - Hex.	2
17	2412-34	Clamp - Hose	4	*	93-7840	Decal - Radiator Cap (Europe)	1
18	93-9940	Hose - Upper	1				
19	92-6503	Asm - Shroud, Fan (Incl. Ref. #12 & 13)	1				

*Not Illustrated



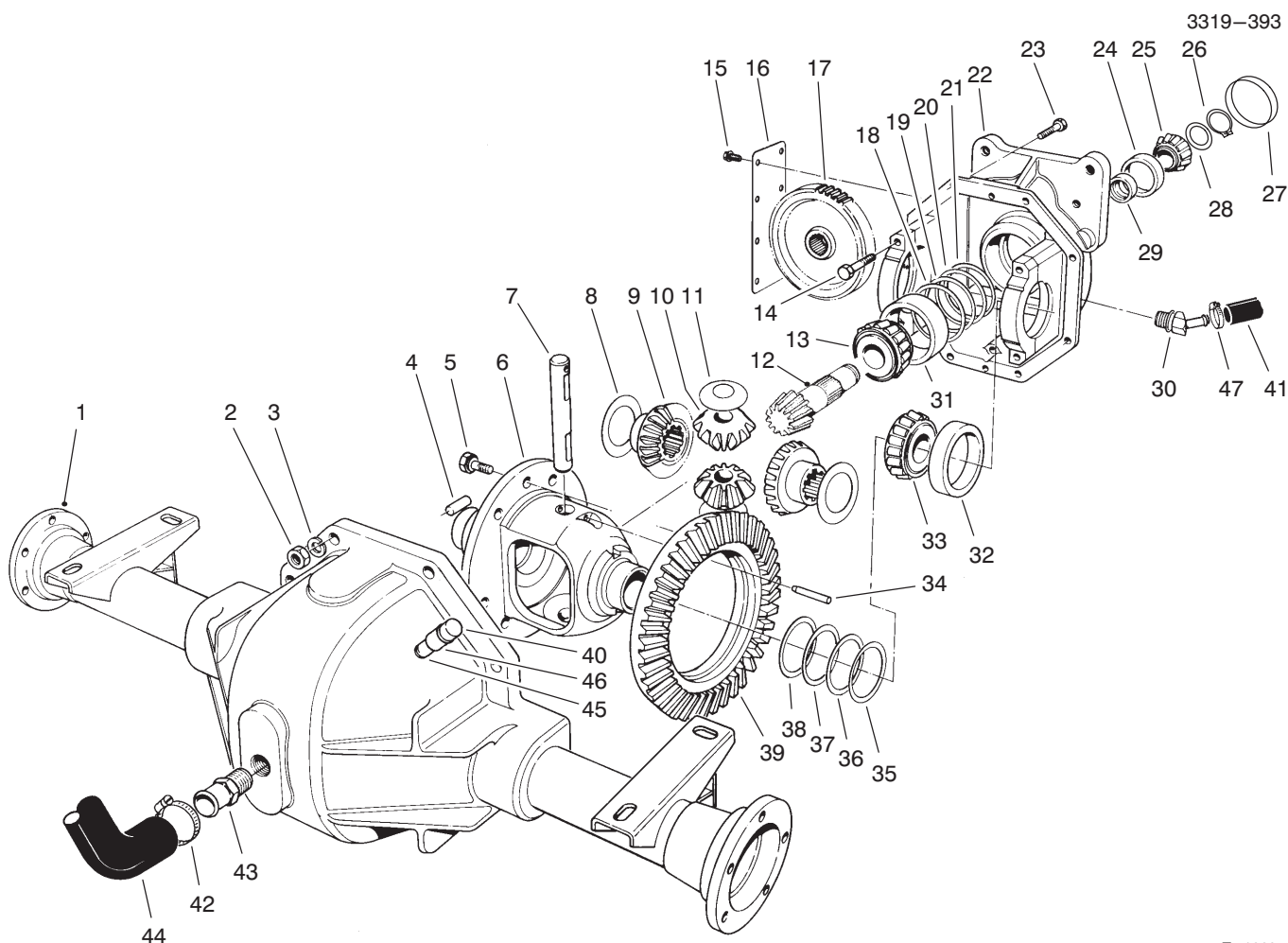
T-0534-3

FUEL TANK AND AXLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	66-8120	Standpipe	1
2	2412-108	Clamp	4
3	46-6550	Connector 90°	1
4	32122-24	Screw - Machine	5
5	3253-15	Washer - Lock	5
6	63-7640	Sender - Fuel	1
7	63-7630	Hose	2
8	322-3	Screw - HH	1
9	2412-147	R-Clamp	1
10	32128-20	Nut - Lock	1
11	93-3102	Cap - Fuel	1
12	237-136	Grommet	3
13	3253-8	Washer - Lock	4
14	3256-67	Washer - Flat	3
15	3253-3	Washer - Lock	3
16	321-5	Screw - HH	3
17	3296-48	Nut - Lock	4
18	231-101	Tire	2
*	231-95	Tire - 23" x 10.5" x 12" (Optional)	2
19	217-117	Rim	2
*	217-116	Rim - 23" x 10.5" x 12" (Optional)	2

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

*Not Illustrated

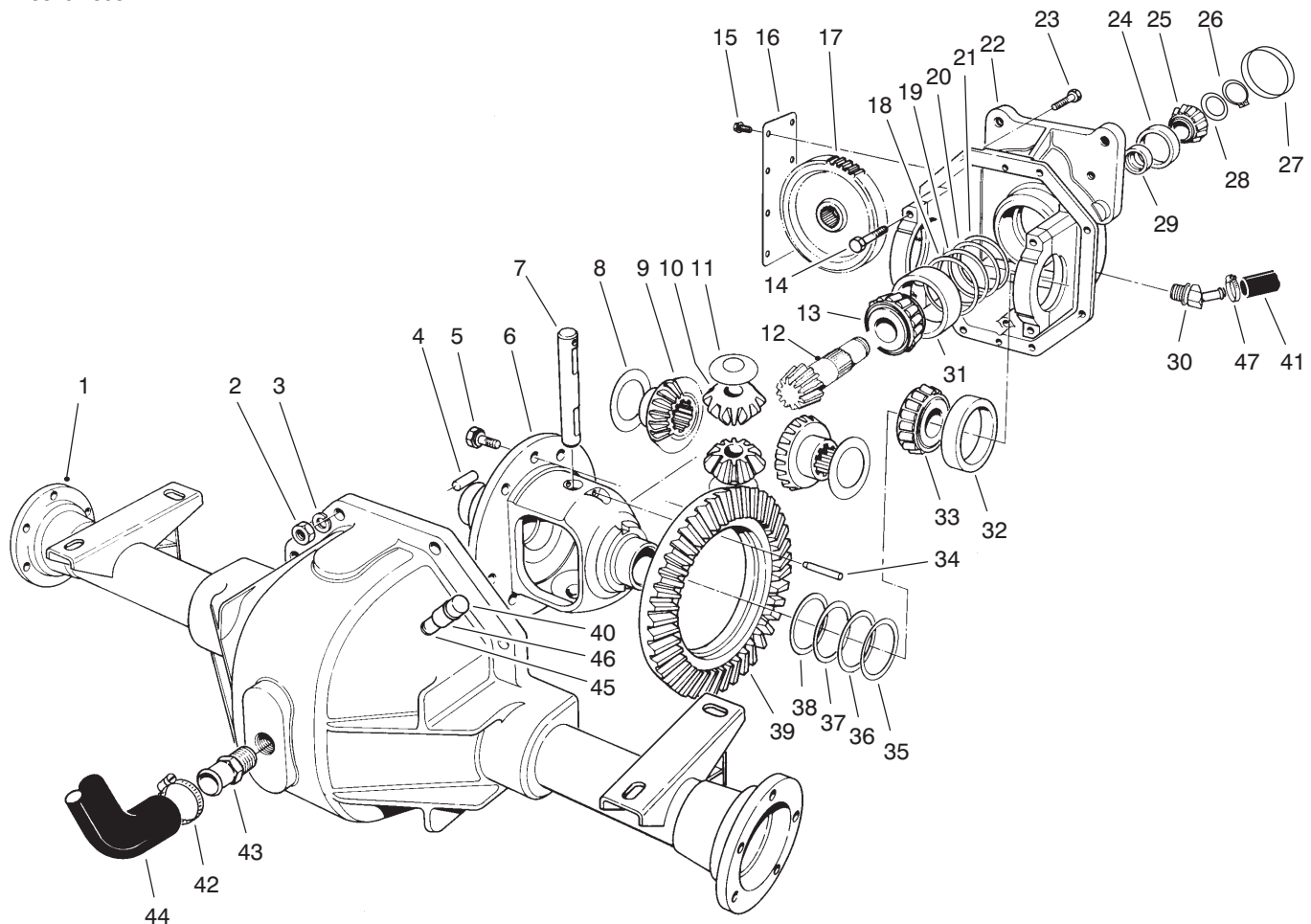


T-1969-1

DIFFERENTIAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	63-8090	Asm - Lower Housing	1	24	254-90	Cup - Bearing	1
2	3219-2	Nut	8	25	254-91	Cone - Bearing	1
3	3255-8	Washer - Lock	8	26	43-6550	Ring - Retaining	1
4	21-8270	Pin - Dowel	2	27	21-7850	Cap Plug	1
5	21-7770	Screw - Drive Gear	5	28	46-2210	Shim Front Pinion Bearing (.031)	A/R
6	21-7670	Differential Case	1	*	46-2211	Shim Front Pinion Bearing (.033)	A/R
7	21-7700	Shaft - Pinion Mate	1	*	46-2212	Shim Front Pinion Bearing (.035)	A/R
8	21-7720	Washer - Thrust	2	*	46-2213	Shim Front Pinion Bearing (.037)	A/R
9	24-8790	Gear - Bevel, Differential	2	*	46-2214	Shim Front Pinion Bearing (.039)	A/R
10	21-7690	Gear - Pinion	2	*	46-2215	Shim Front Pinion Bearing (.041)	A/R
11	21-7730	Washer - Thrust	2	*	46-2216	Shim Front Pinion Bearing (.043)	A/R
12		Drive Pinion	1	*	46-2220	Shim Front Pinion Bearing (.045)	A/R
13	43-6760	Cone - Bearing, Tapered	1	*	46-2221	Shim Front Pinion Bearing (.047)	A/R
14	92-1773	Screw - HH	4	*	46-2222	Shim Front Pinion Bearing (.049)	A/R
15	12-5450	Screw - Thread Forming	8	*	46-2223	Shim Front Pinion Bearing (.051)	A/R
16	21-7830	Cover - Gear	1	*	46-2224	Shim Front Pinion Bearing (.053)	A/R
17	86-7230	Gear - Spur	1				
18	43-6710	Shim Adjusting Differential Bearing .003	A/R				
19	43-6711	Shim Adjusting Differential Bearing .005	A/R				
20	43-6712	Shim Adjusting Differential Bearing .010	A/R				
21	43-6713	Shim Adjusting Differential Bearing .030	A/R				
22	86-7930	Asm - Upper Housing (Incl. Ref. #14)	1				
23	3210-7	Screw - HH	8				

*Not Illustrated

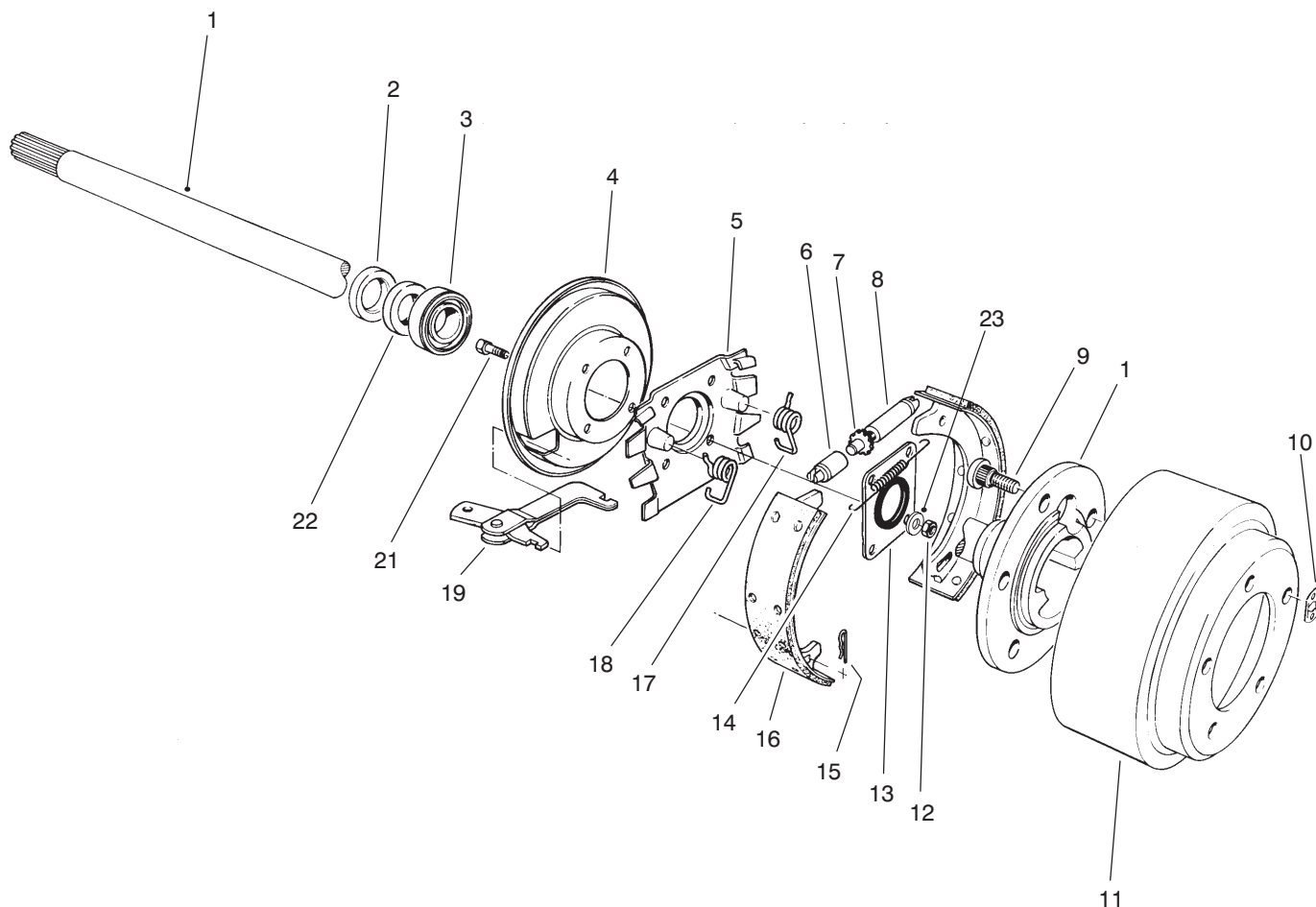


T-1969-1

DIFFERENTIAL ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
*28	46-2225	Shim Front Pinion Bearing (.055)	A/R
*	46-2226	Shim Front Pinion Bearing (.057)	A/R
*	46-2410	Shim Front Pinion Bearing (.062)	A/R
	46-2411	Shim Front Pinion Bearing (.064)	A/R
*	46-2412	Shim Front Pinion Bearing (.066)	A/R
*	46-2413	Shim Front Pinion Bearing (.068)	A/R
*	46-2414	Shim Front Pinion Bearing (.070)	A/R
*	46-2415	Shim Front Pinion Bearing (.072)	A/R
*	46-2416	Shim Front Pinion Bearing (.074)	A/R
*	46-2420	Shim Front Pinion Bearing (.076)	A/R
	46-2421	Shim Front Pinion Bearing (.078)	A/R
*	46-2422	Shim Front Pinion Bearing (.080)	A/R
*	46-2423	Shim Front Pinion Bearing (.082)	A/R
*28	46-2424	Shim Front Pinion Bearing (.084)	A/R

Ref. No.	Part No.	Description	No. Used
*	46-2425	Shim Front Pinion Bearing (.086)	A/R
*	46-2426	Shim Front Pinion Bearing (.088)	A/R
29	21-8020	Spacer - Frt. Pinion Bearing	1
30	92-5088	Fitting - 45°	1
31	43-6750	Cup - Tapered, Bearing	1
32	254-66	Cup - Tapered, Bearing	2
33	254-65	Cone - Tapered, Bearing	2
34	32121-15	Pin - Roll	1
35	21-8090	Diff. Adjust. Shim. .003	A/R
36	21-8100	Diff. Adjust. Shim. .005	A/R
37	21-8110	Diff. Adjust. Shim. .010	A/R
38	21-8120	Diff. Adjust. Shim. .030	A/R
39		Gear - Ring	1
40	72-9420	Asm - Vent	1
41	92-5083	Hose - Hydraulic	1
42	2412-34	Clamp - Hose	2
43	354-71	Pipe Nipple	1
44	77-0550	Tube - Fill	1
45	289-6	Nipple - Pipe	1
46	2810-1	Coupler	1
*	92-4848	Asm - Gear & Pinion (Incl. Ref. #12 & 39)	1
47	2412-119	Clamp - Hose	1
*	92-4909	Asm - Differential Carrier (Incl. Ref. #5-22, 24-29 & 31-39)	1

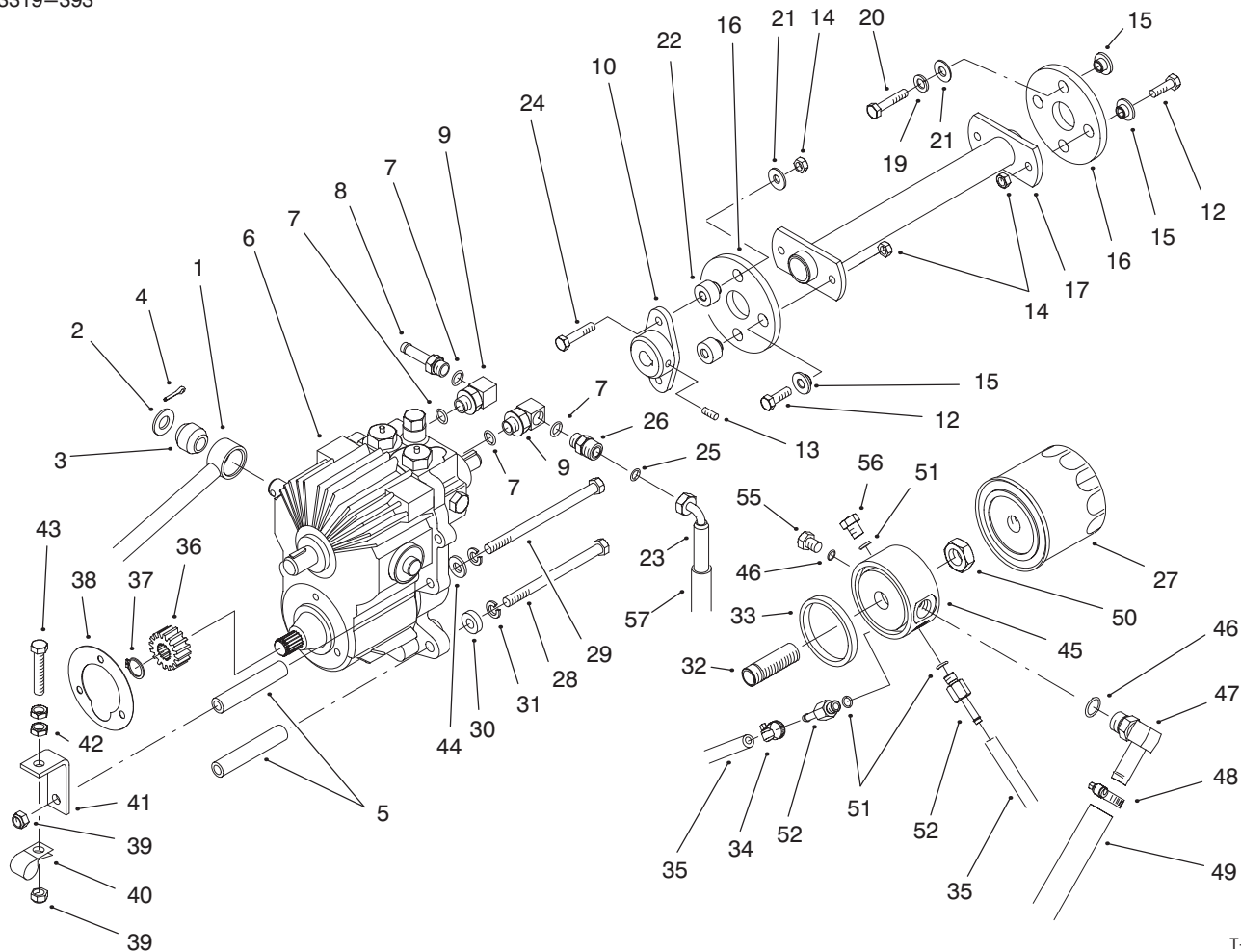


T-2664-1

BRAKE ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	27-6861	Shaft - Axle, Flanged L.H.	1	13	28-0670	Oil Seal	2
*	27-6851	Shaft - Axle, Flanged R.H.	1	14	21-9440	Screw - Spring Adjusting	2
2	92-1774	Oil Seal	2	15	21-9460	Retainer - Parking Brake	4
3	21-8180	Bearing - Tapered Roller	2	16	84-8600	Brake Shoe Set (Incl. 4 Shoes)	1
4	21-9450	Dust Shield	2	17	21-9430	Spring - Shoe Return R.H.	2
5	43-6810	Torque Spider	2	18	21-9420	Spring - Shoe Return L.H.	2
6	21-9390	Socket - Adjusting Screw	2	19	24-9180	Strut/Lever - Parking Brake	2
7	21-9370	Adjusting Screw	2	21	94-6934	Screw - HH	8
8	21-9380	Nut - Pivot	2	22	24-8840	Ring - Wheel Bearing	2
9	242-34	Stud - Axle Flange	10	*	92-8775	Kit - Gasket, Liquid	1
10	21-8360	Clip - Retaining	2	23	94-6936	Washer - Flat	8
11	28-0680	Brake Drum	2				
12	94-6935	Nut - Lock, Flange Hd.	8				

*Not Illustrated

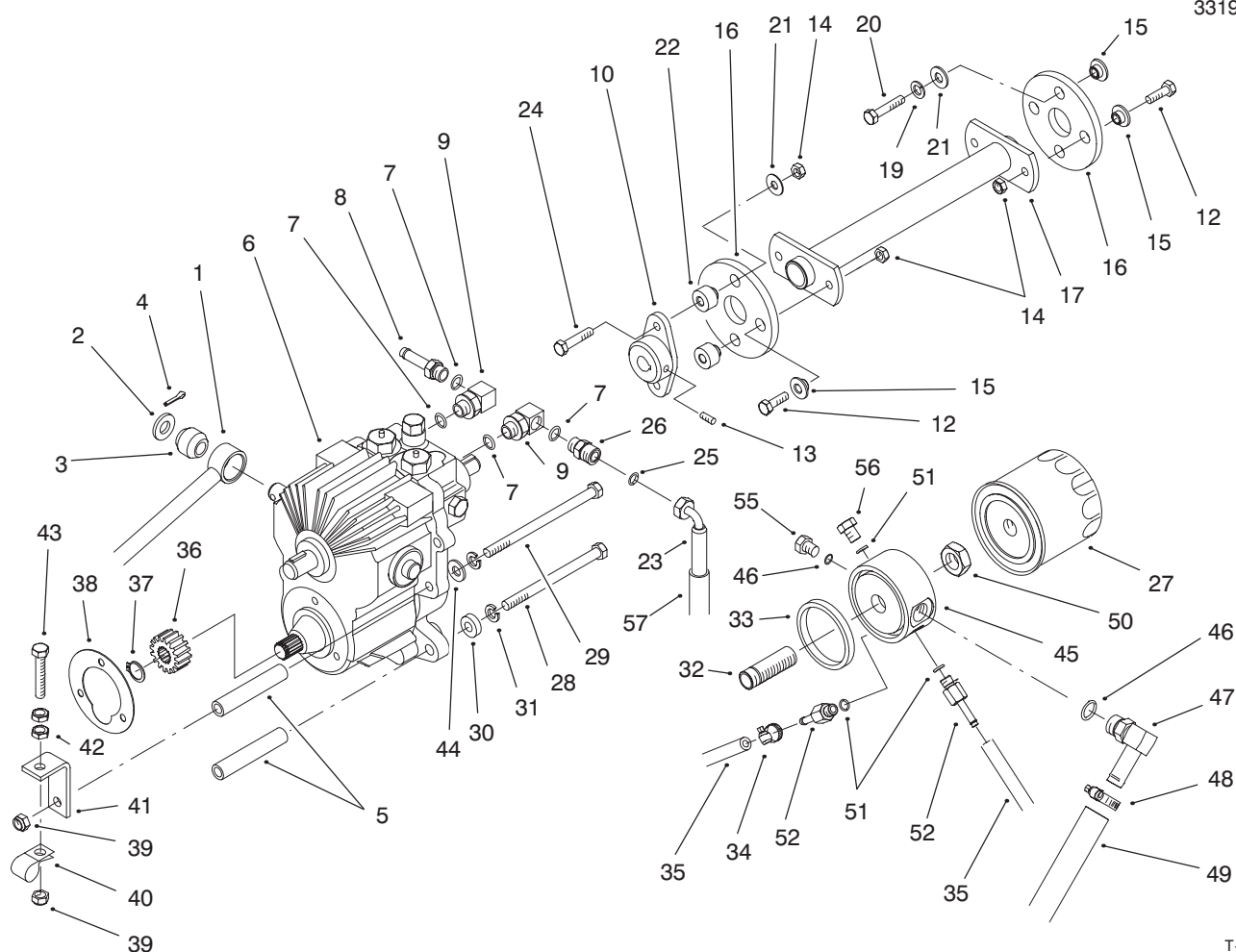


T-2665-2

TRANSMISSION & DRIVE COUPLING ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	63-6410	Tube - Traction Control	1
2	3256-26	Washer - Flat	1
3	23-2270	Bushing - Rubber	1
4	3272-10	Pin - Cotter	1
5	27-3680	Spacer - Mounting	4
6	92-5513	Transmission	1
7	237-42	O-Ring	4
8	353-979	Hose Barb (Incl. Ref. #7)	1
9	66-3110	Hyd. Fitting (Incl. Ref. #7)	2
10	27-4370	Hub - Pump	1
12	3210-5	Screw - HH	4
13	3241-6	Screw - Set	2
14	32152-5	Nut - Lock	6
15	27-6600	Spacer - Rubber	6
16	44-2230	Coupling - Rubber	2
17	63-6610	Drive Shaft	1
19	42-9850	Washer - Lock	2
20	48-9460	Screw - HH	2
21	3256-71	Washer - Flat	4
22	27-6590	Spacer	2
23	66-8490	Asm - Hose	1
24	3210-8	Screw - HH	2
25	237-22	O-Ring	1

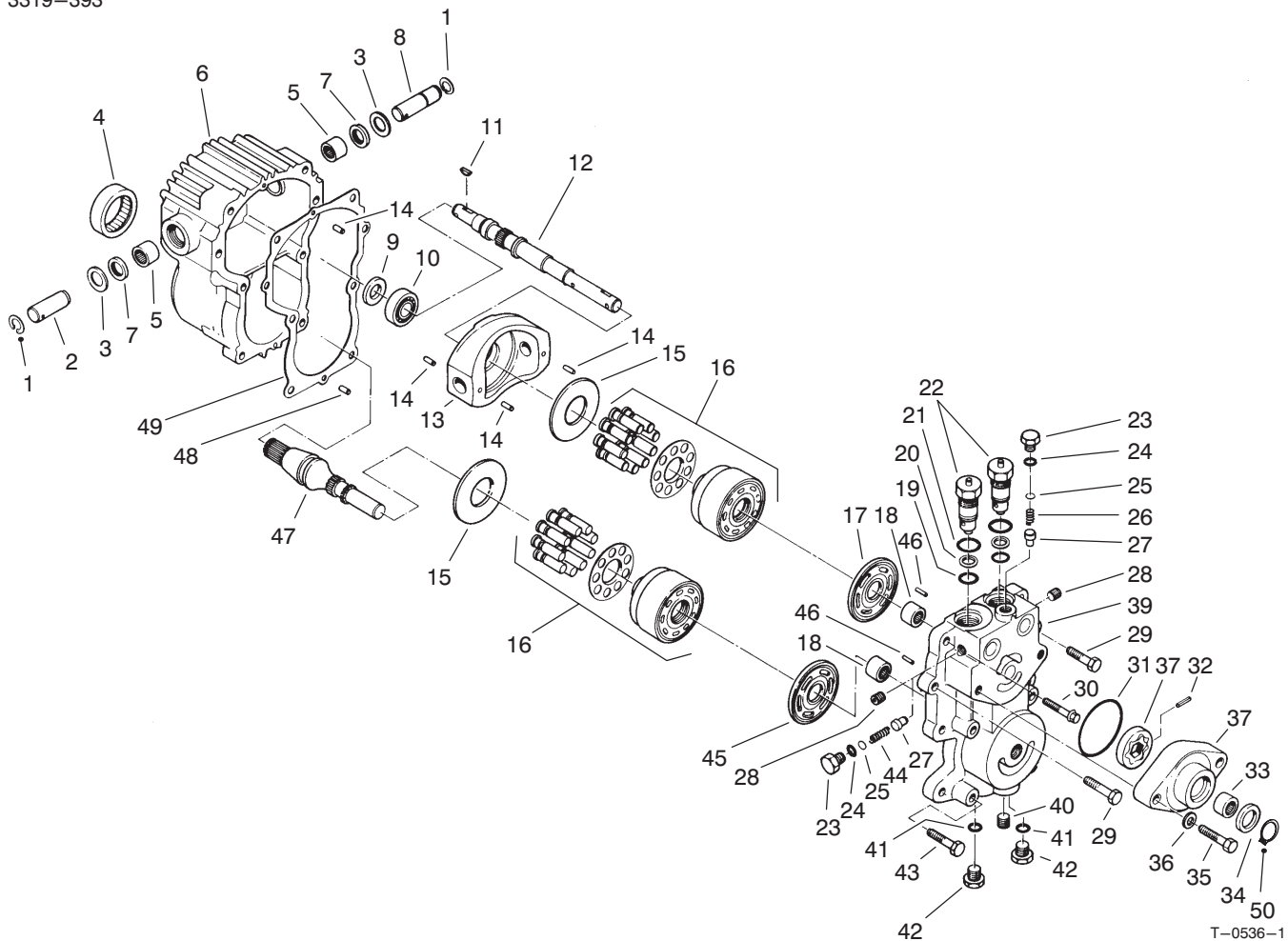
Ref. No.	Part No.	Description	No. Used
26	82-8530	Fitting (Incl. Ref. #7 & 25)	1
27	23-2300	Oil Filter	1
28	323-39	Screw - HH	3
29	27-9620	Screw - HH	1
30	5-0652	Spacer	1
31	3253-21	Washer - Lock	4
32	92-5085	Union Filter	1
33	92-5087	Seal - Adapter, Filter	1
34	2412-108	Hose Clamp	4
35	92-5082	Hose	2
36	86-7220	Gear - Spur	1
37	93-6125	Ring - Retaining	1
38	27-3690	Gasket - Transmission	1
39	3296-39	Nut - Lock	2
40	2412-4	R-Clamp	1
41	63-7170	Anchor - Transmission	1
42	3218-3	Nut - Jam	2
43	67-1900	Screw - HH	1
44	3256-24	Washer - Flat	1
45	92-5076	Adapter - Filter	1
46	237-79	O-Ring	2
47	92-5086	Fitting - Hydraulic 45° (Incl. Ref. #46)	1
48	2412-119	Clamp - Hose	1



T-2665-2

TRANSMISSION & DRIVE COUPLING ASSEMBLY (Cont.)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
49	92-5083	Hose – Hydraulic	1	56	353-990	Plug – Hydraulic (Incl. Ref. #51)	1
50	3220-7	Nut – Jam	1	57	38-3400	Guard – Rubber	1
51	237-78	O-Ring	3	*	95-3074	Kit – 400 Hour Filter (Incl. Ref. #27)	1
52	237-78	O-Ring	3				
52	92-5512	Fitting – Hydraulic, Straight (Incl. Ref. #51)	2				
55	353-988	Plug – Hydraulic (Incl. Ref. #46)	1				



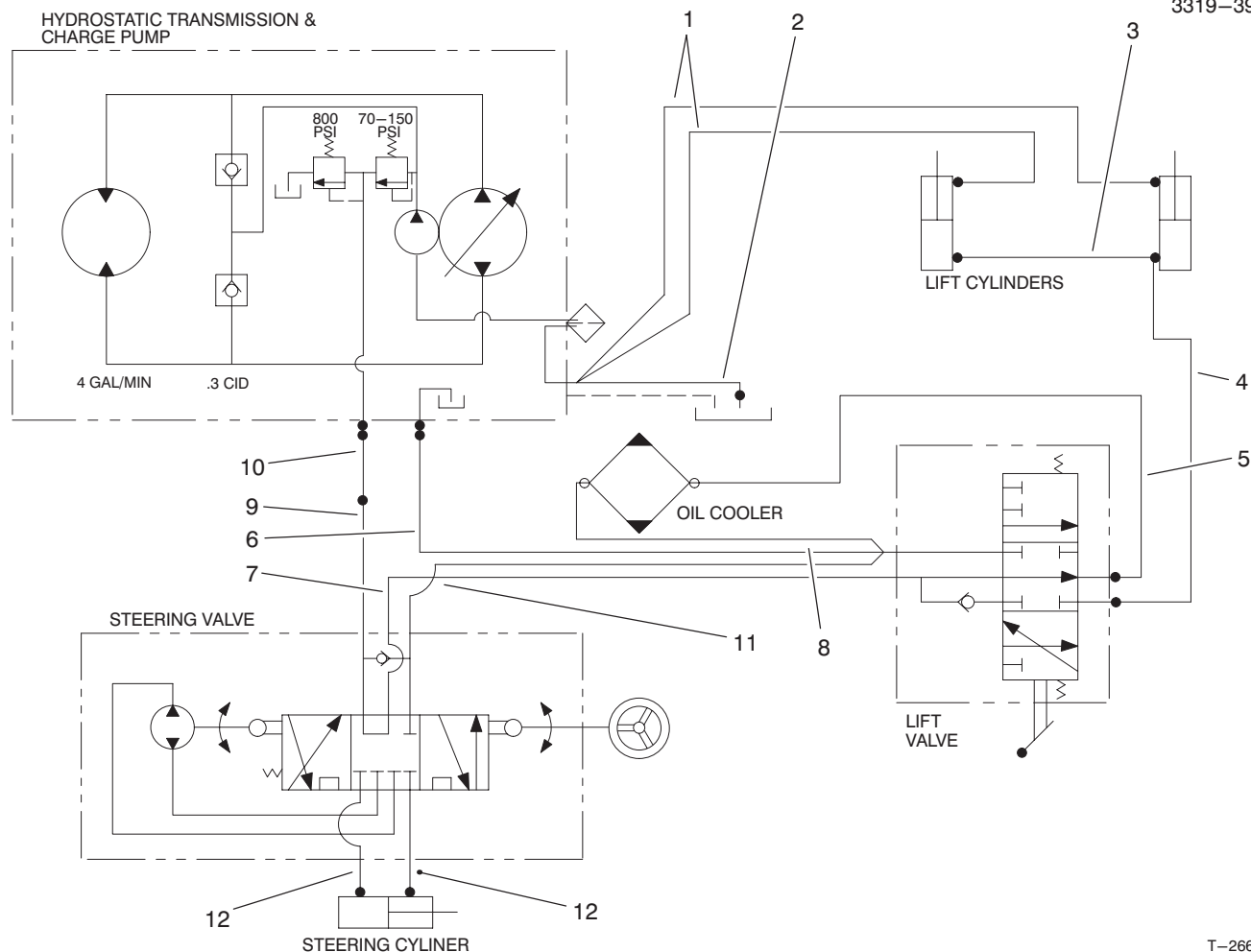
TRANSMISSION ASSEMBLY NO. 92-5513

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

Ref. No.	Part No.	Description	No. Used
27	28-3420	Relief Valve Cone Charge	2
28	285-17	Plug - Pipe	4
29	323-8	Screw - HH	2
30	28-3530	Screw - HH	2
31	28-3520	O-Ring	1
32	38-2680	Pin	1
33	28-3480	Bearing - Needle	1
†34	28-3470	Lip Seal	1
‡34	94-2975	Shaft - Seal	1
35	324-23	Screw - HH	2
36	28-3450	Washer - Flat	2
37	38-2670	Kit - Charge Pump (Incl. Ref. #31-34 & 50))	1
39	92-5716	Center Section	1
40	92-5717	Plug - Pipe	1
41		O-Ring	2
42	28-3440	Plug - Threaded (Incl. Ref. #41)	2
43	323-10	Screw - HH	4
44	25-2480	Relief Valve Spring Charge	1
45	28-3380	Plate - Motor Valve	1
46	25-2430	Pin	2
47	49-8200	Shaft - Motor	1
48	28-3350	Pin	2
49	28-3340	Gasket	1
‡50	94-2976	Ring - Retaining	1

†Used on transmission serial no. 94-39999 and before.

‡Used on transmission serial no. 94-40000 and up.

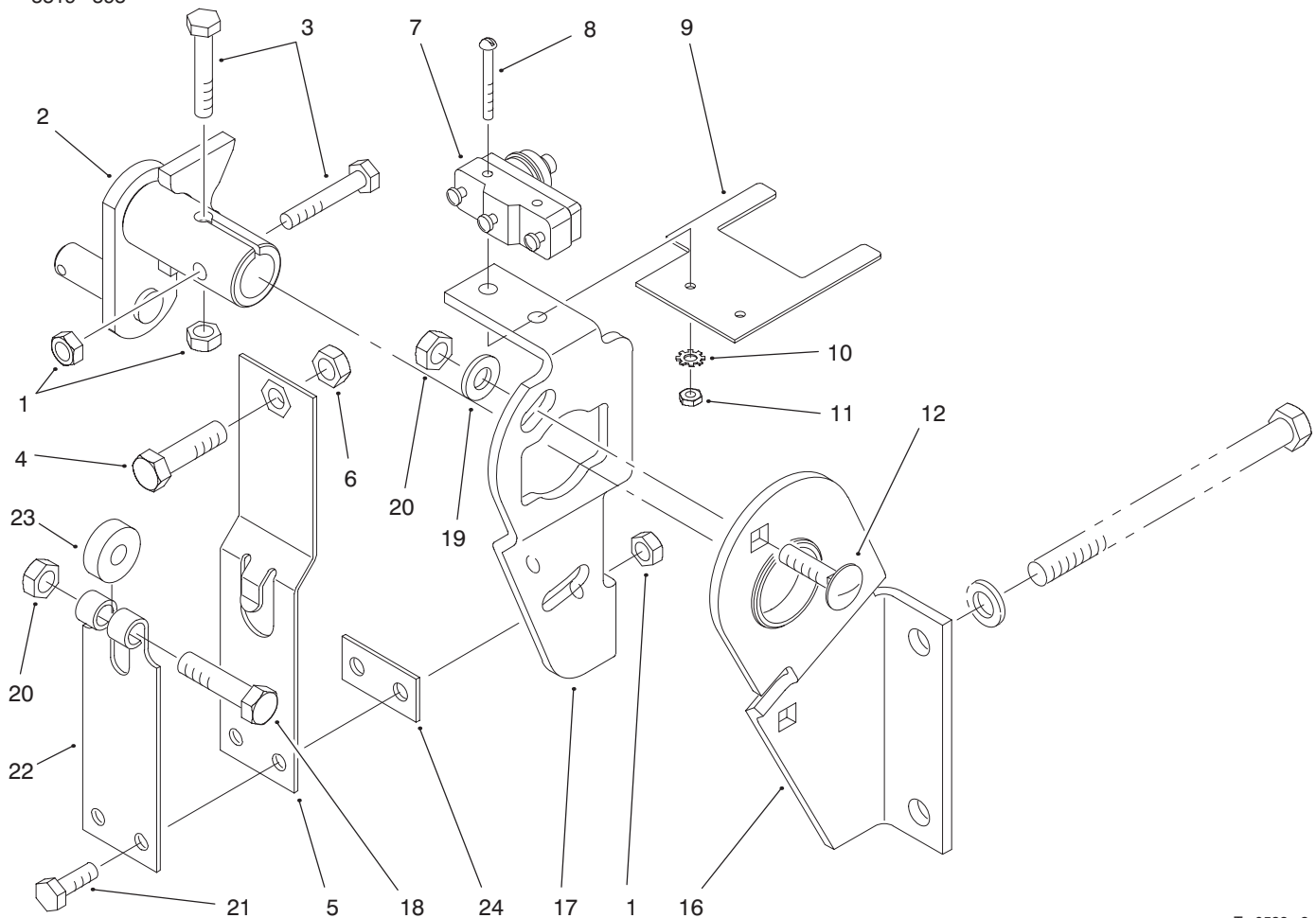


T-2663-1

HYDRAULIC SCHEMATIC

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

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

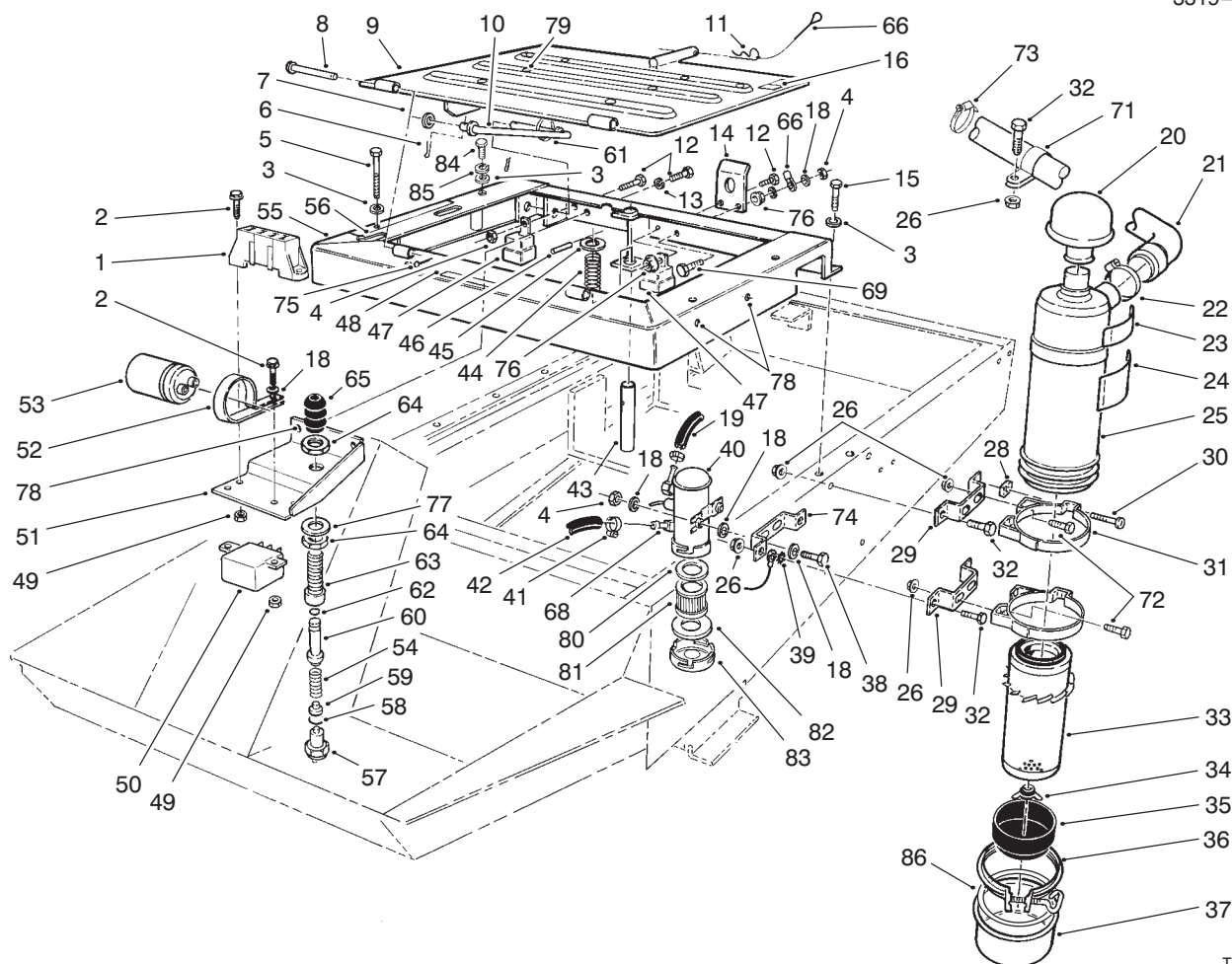


T-0538-3

TRANSMISSION INTERLOCK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3296-42	Nut - Lock	4
2	29-9790	Pump - Lever	1
3	321-9	Screw - HH	2
4	3210-7	Screw - HH	1
5	29-6170	Spring - Extended Leaf	1
6	3219-2	Nut - Hex.	1
7	29-6162	Micro Switch	1
8	3249-11	Screw - Round Hd.	2
9	46-8810	Stop - Leaf Spring	1
10	3254-9	Washer - Lock, Int. Tooth	2
11	3217-16	Nut - Hex.	2

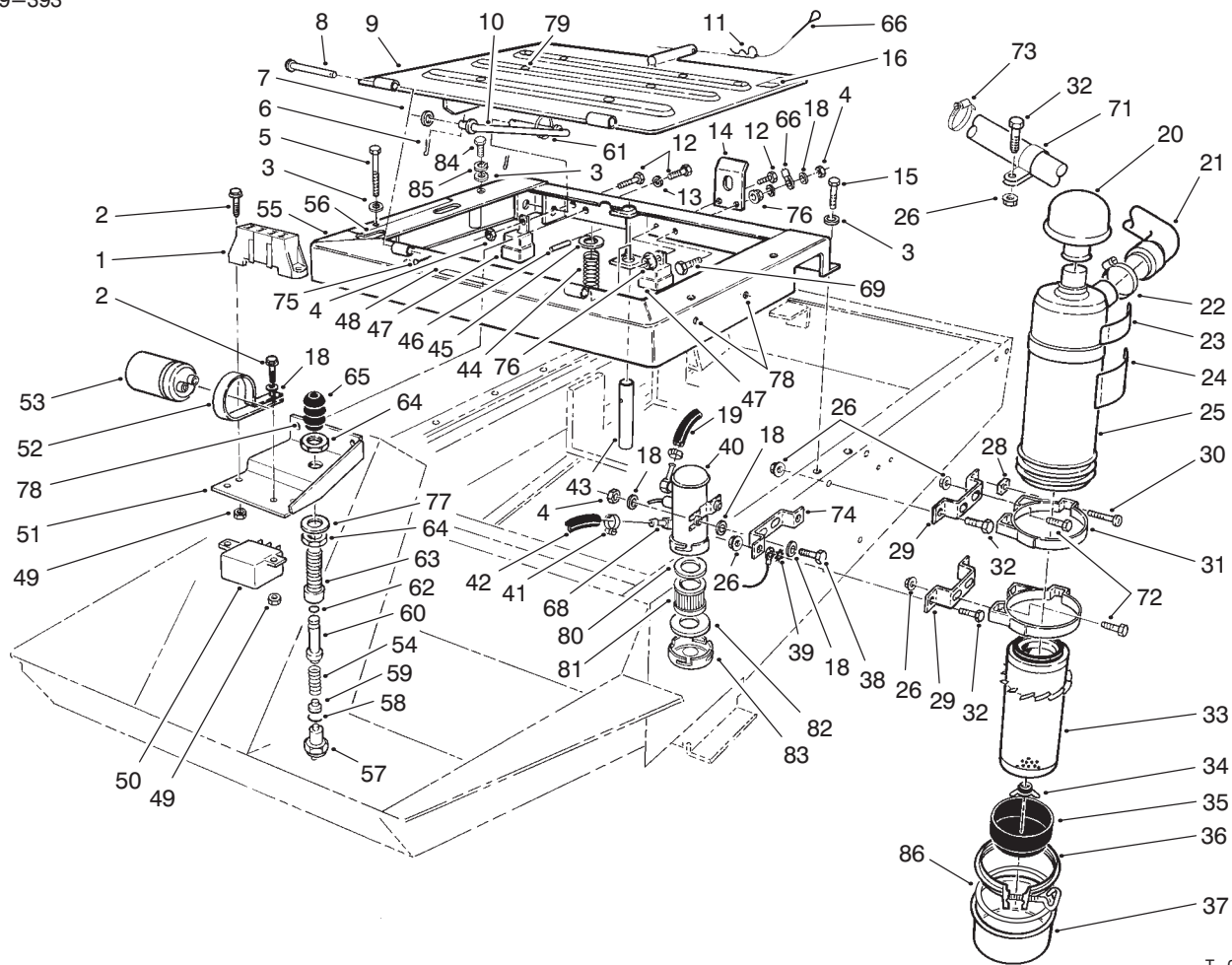
Ref. No.	Part No.	Description	No. Used
12	3230-2	Bolt - Carriage	2
16	52-8890	Bracket - Mounting	2
17	52-9070	Plate - Pump	1
18	322-17	Screw - HH	1
19	3256-23	Washer - Flat	2
20	3296-29	Nut - Lock	3
21	321-4	Screw - HH	2
22	29-6150	Spring - Leaf	1
23	251-259	Bearing - Ball	1
24	51-3150	Shim	1



T-0606-1

SEAT FRAME & AIR CLEANER ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	67-7160	Fuse Block	1	25	27-7100	Asm - Air Cleaner (Incl. Ref. #24 & 32-36)	1
2	32105-13	Screw - HH	4	26	32128-20	Nut - Flange	9
3	3256-23	Washer - Flat	6	28	32107-11	Nut - Square	2
4	3296-42	Nut - Lock	3	29	66-2451	Bracket - Air Cleaner	2
5	322-13	Screw - HH	6	30	3258-19	Screw - HH	2
6	3272-11	Pin - Cotter	2	31	27-7170	Asm - Mounting Band (Incl. Ref. #28 & 30)	2
7	3256-24	Washer - Flat	1	32	322-5	Screw - HH	5
8	283-49	Pin - Clevis	2	33	27-7110	Asm - Element	1
9	92-5759	Plate - Seat (Incl. Ref. #79)	1	34	27-7120	Asm - Nut & Gasket	1
10	66-2800	Rod - Seat Support	1	35	27-7140	Skirt - Baffle	1
11	3290-255	Pin - Hair, Cotter	1	36	27-7130	Asm - Clamp	1
12	321-4	Screw - HH	4	37	27-7150	Asm - Cup	1
13	3253-3	Washer - Lock	2	38	321-8	Screw - HH	2
14	66-2630	Latch - Seat	1	39	3255-8	Washer - Lock, Ext. Tooth	1
15	3234-17	Screw - HFH	2	40	53-8150	Pump - Fuel (Incl. Ref. #80-83)	1
16	52-1321	Decal - Diesel Fuel	1	41	2412-108	Clamp - Hose	4
16	93-6680	Decal - Diesel Fuel (Europe)	1	42	63-7630	Hose	1
18	3256-22	Washer - Flat	9	43	66-2590	Pin - Seat Spring	1
19	63-7620	Hose	1	44	37-9590	Spring - Compression	1
20	27-7180	Asm - Cap	1	45	3256-27	Washer - Flat	1
21	94-3309	Hose - Air Cleaner Inlet	1	46	32121-6	Pin - Roll	1
22	2412-42	Clamp - Hose	1	47	63-7590	Relay	2
23	83-9150	Decal - Starting Fluid	1	48	67-1710	Decal - Interlock	1
23	93-7275	Decal - Starting Fluid (Europe)	1				



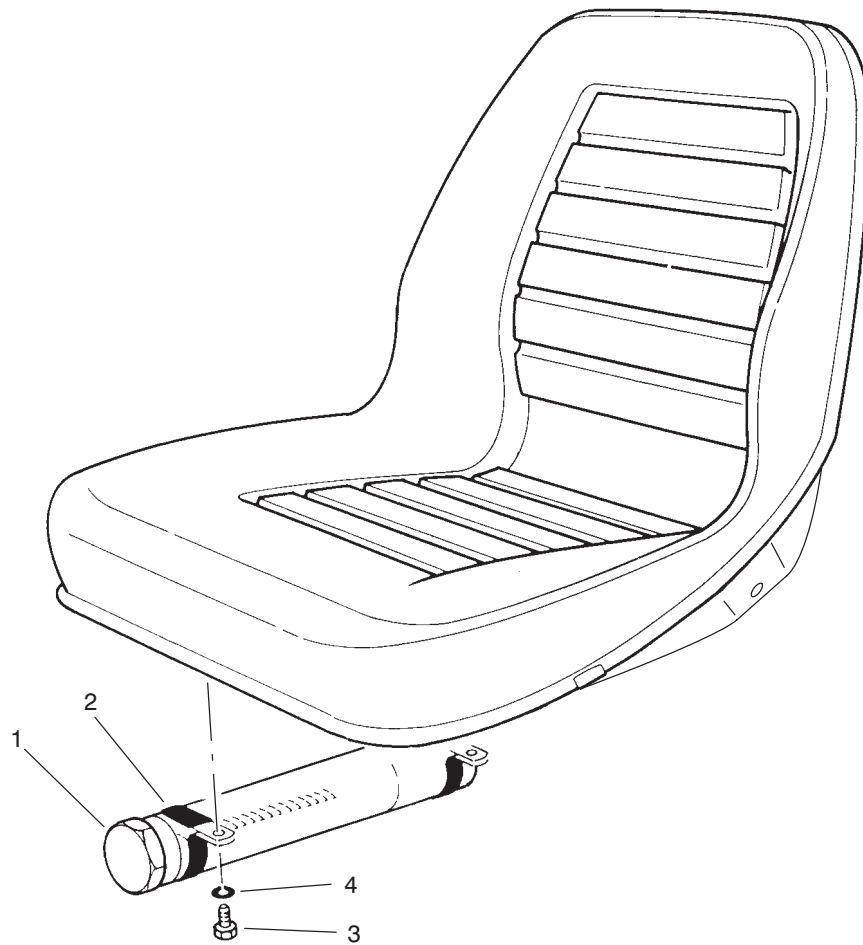
T-0606-1

SEAT FRAME & AIR CLEANER ASSEMBLY (Continued)

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

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

*Not Illustrated

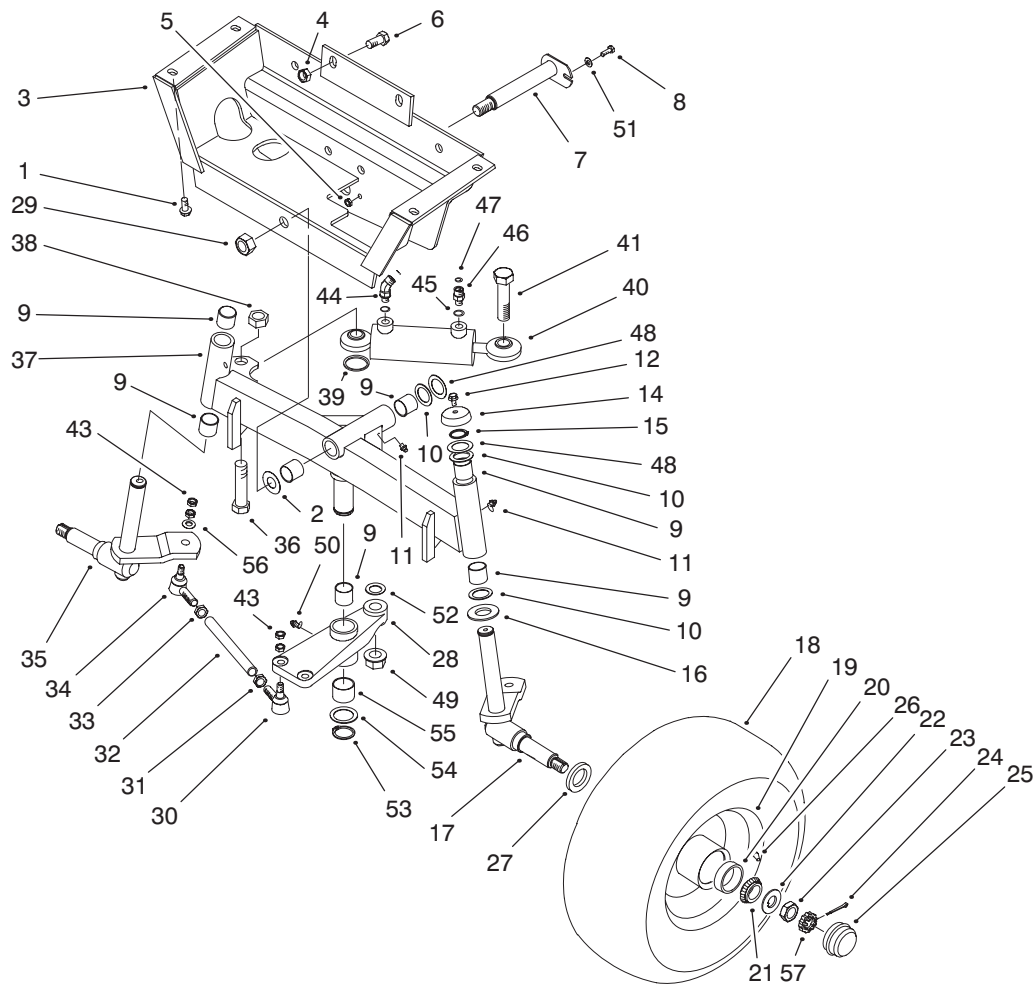


T-1692-1

MANUAL STORAGE ASSEMBLY

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

Ref. No.	Part No.	Description	No. Used
3	322-5	Screw	2
4	3256-23	Washer - Flat	2

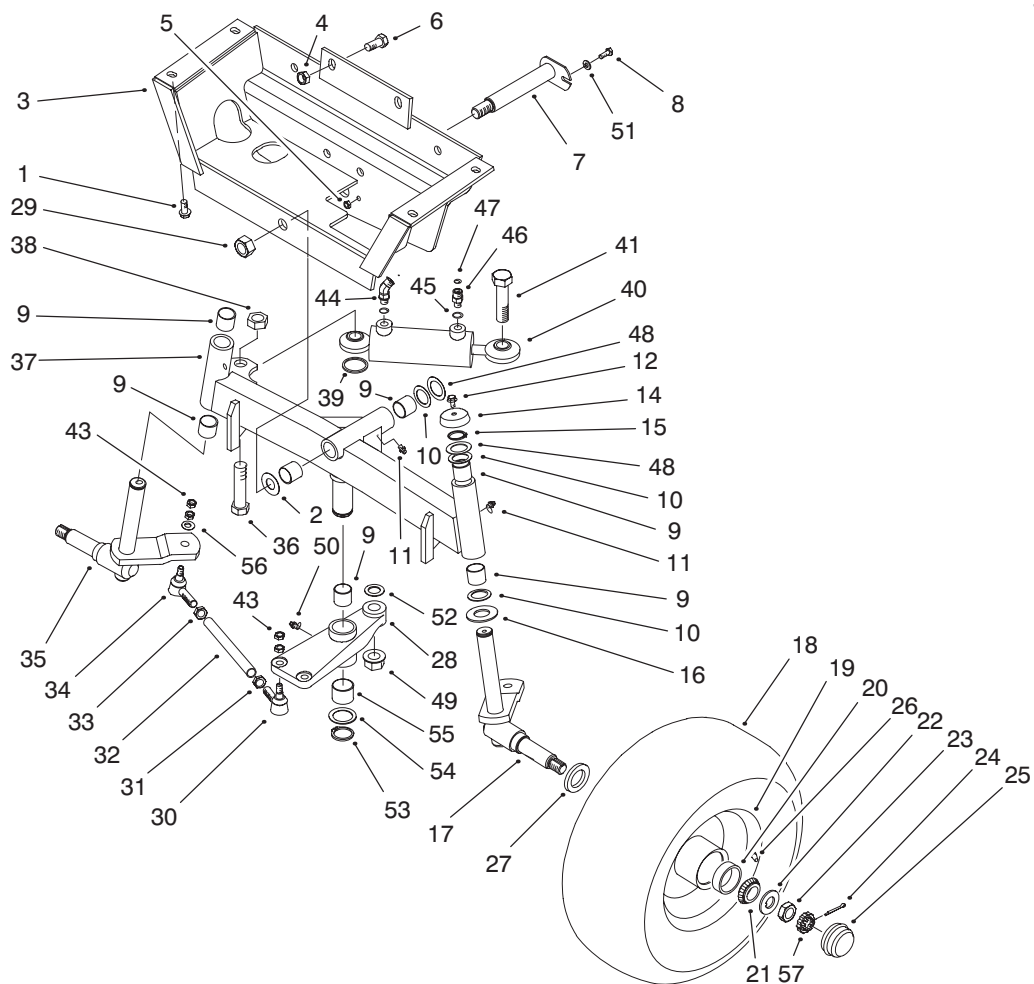


T-0540

REAR AXLE ASSEMBLY

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

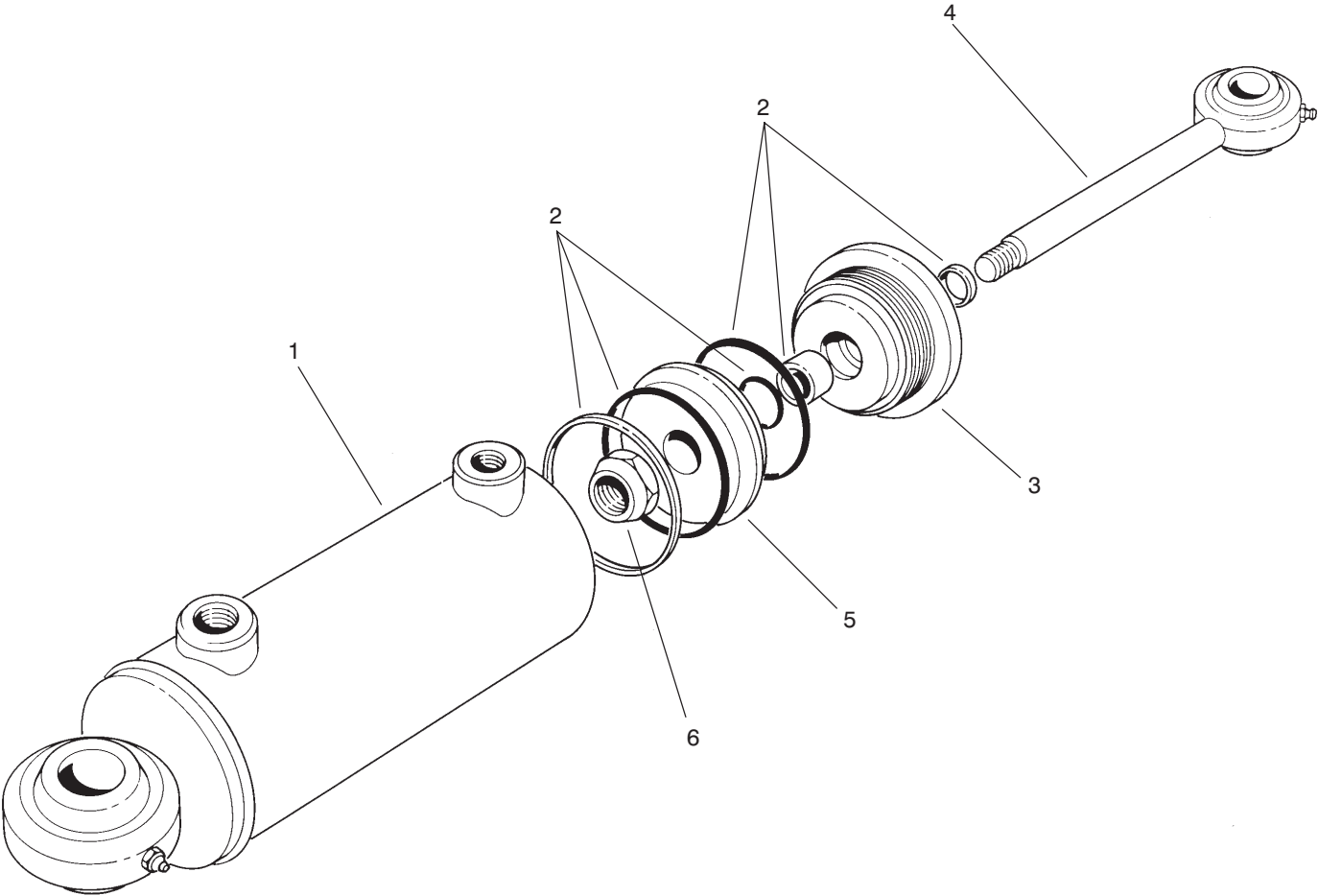
Ref. No.	Part No.	Description	No. Used
28	76-4810	Pivot - Steering (Incl. Ref. #50 & 55)	1
29	3296-51	Nut - Lock	1
30	21-0151	Joint - Ball L.H.	2
31	3220-12	Nut - Jam L.H.	2
32	63-6880	Rod - Tie	2
33	3220-5	Nut - Jam R.H.	2
34	21-0141	Joint - Ball R.H.	2
35	93-3196	Spindle - Wheel R.H.	1
36	67-7300	Screw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



T-0540

REAR AXLE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
52	67-9410	Washer - Flat	1	55	76-2970	Bushing	2
53	32151-77	Ring - Retaining	1	56	3256-24	Washer - Flat	2
54	76-2980	Washer - Thrust	1	57	93-0307	Nut - Retainer, Lock	2

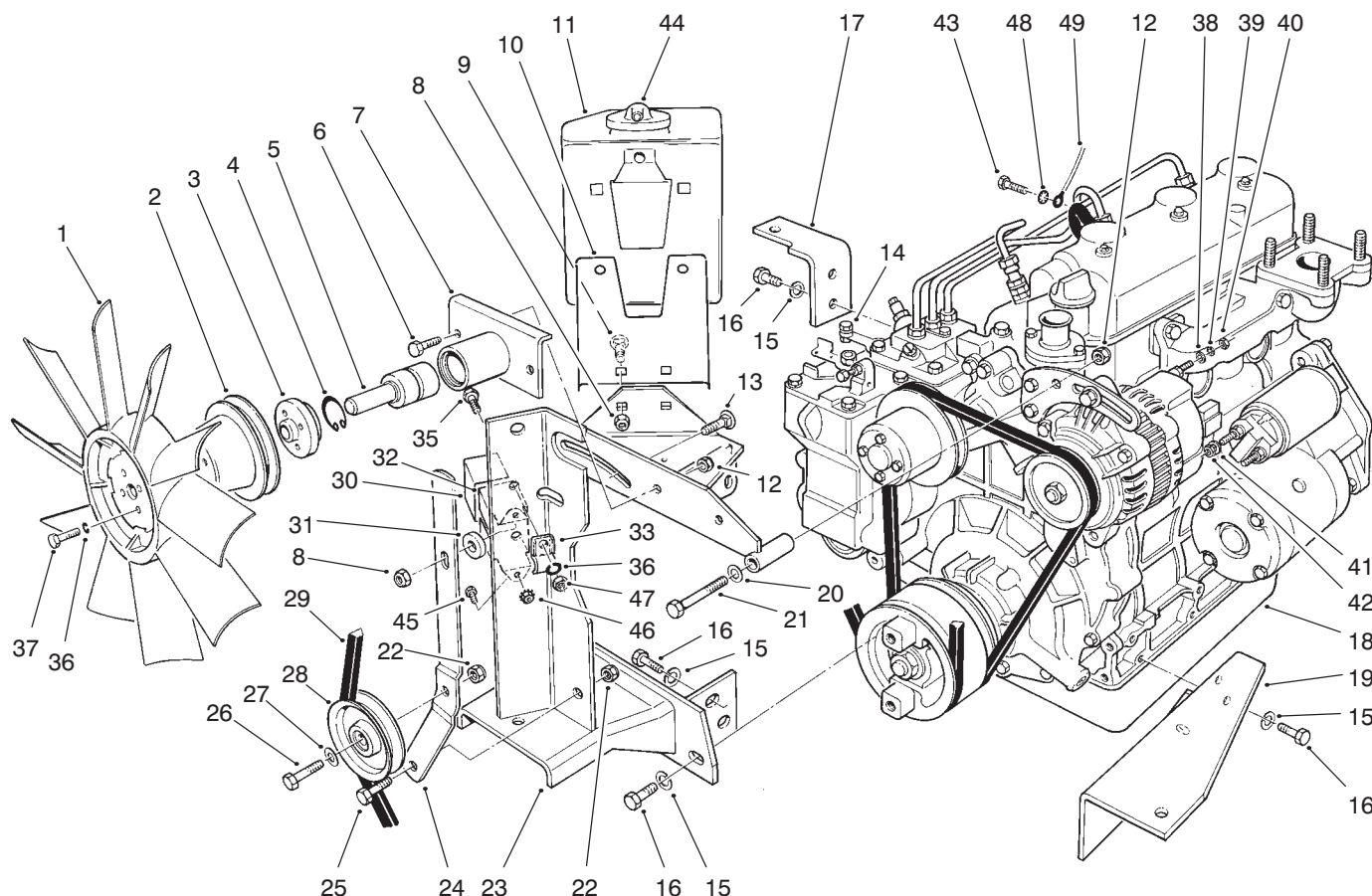


T-0541-1

HYDRAULIC CYLINDER NO. 76-2070

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

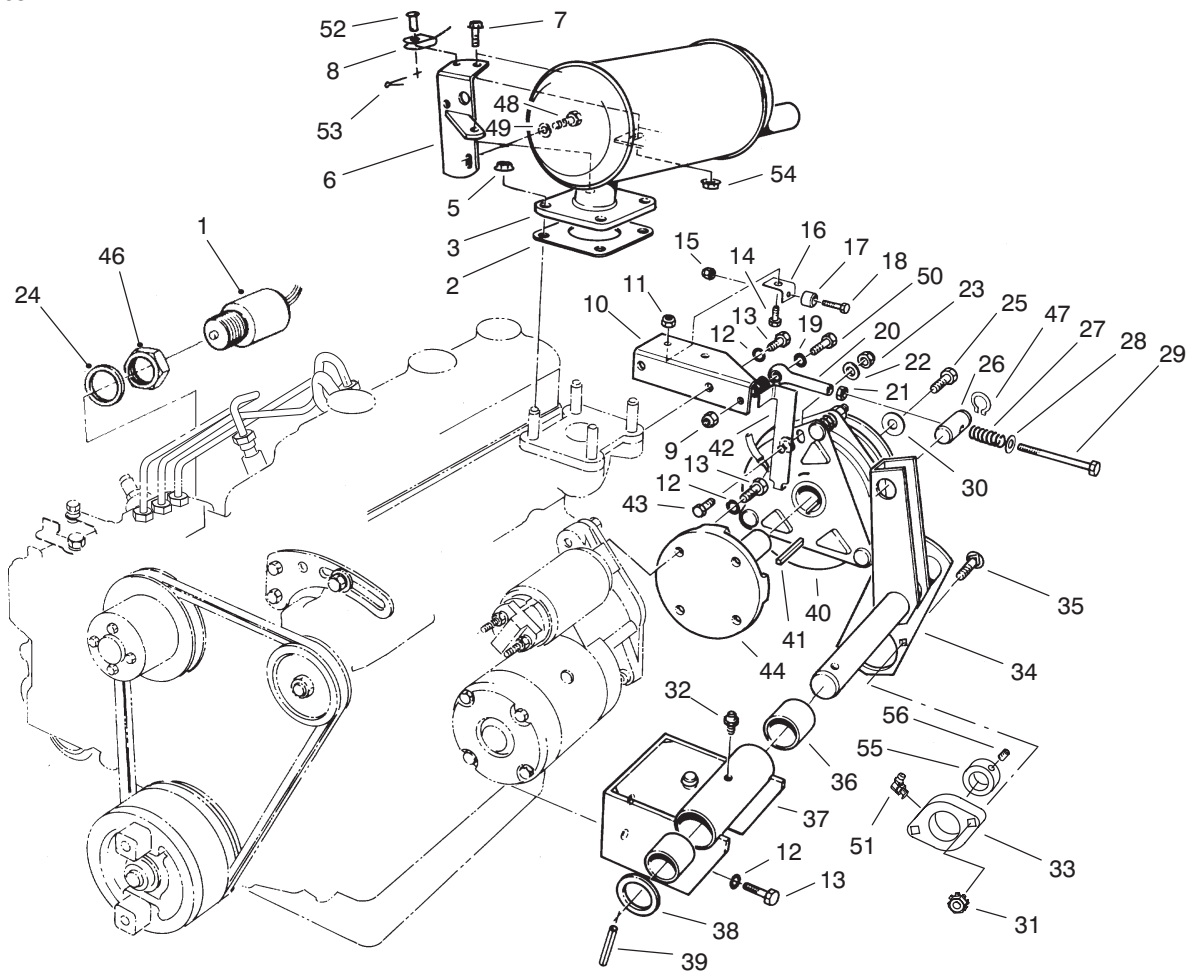
Ref. No.	Part No.	Description	No. Used
4	76-2080	Asm – Piston Rod	1
5	66-1940	Piston	1
6	66-1930	Nut – Lock	1



T-0542-2

ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	84-1880	Fan - Cooling	1	25	323-6	Screw - HH	1
2	84-1890	Pulley - Fan	1	26	323-8	Screw - HH	1
3	84-1930	Hub - Fan	1	27	3256-24	Washer - Flat	1
4	32120-10	Ring - Retaining	1	28	63-8140	Pulley	1
5	36-7290	Shaft & Bearing	1	29	92-8876	Belt - Fan	1
6	322-4	Screw	2	30	70-8560	Retainer - Glow Plug	1
7	84-1940	Hub	1	31	52-2340	Spacer	1
8	32128-20	Nut - Flange	3	32	66-8700	Indicator - Glow (Incl. Ref. #30)	1
9	3230-23	Bolt - Carriage	2	33	3-6657	Clip - Skid	1
10	66-2440	Plate - Reservoir	1	35	321-4	Screw - HH	1
11	63-7380	Tank - Expansion (Incl Ref. #44)	1	36	3253-3	Washer - Lock	5
12	3296-29	Nut - Lock	3	37	321-3	Screw - HH	4
13	3230-2	Bolt - Carriage	1	38	5-3637	Washer - Flat	1
14	63-6760	Swivel - Throttle Cable	1	39	43-5920	Washer - Lock	1
15	48-9590	Washer - Lock	8	40	43-5970	Nut - Hex.	1
16	63-7790	Screw	8	41	42-9850	Washer - Lock	2
17	71-2910	Angle - Engine Mount	1	42	57-6390	Nut - Hex.	2
18	94-9432	Engine	1	43	48-7700	Screw - Hex.	1
19	66-2320	Mount - Engine	1	44	71-1520	Cap - Reservoir	1
20	3256-23	Washer - Flat	1	45	32105-8	Screw	2
21	322-11	Screw - HH	1	46	32149-7	Nut - Keps	2
22	3296-39	Nut - Lock	2	47	3217-5	Nut - Hex.	1
23	84-1870	Bracket	1	48	3254-2	Washer - Lock, Int. Tooth	1
24	63-6720	Lever - Idler	1	49	63-7340	Wire - Ground	1



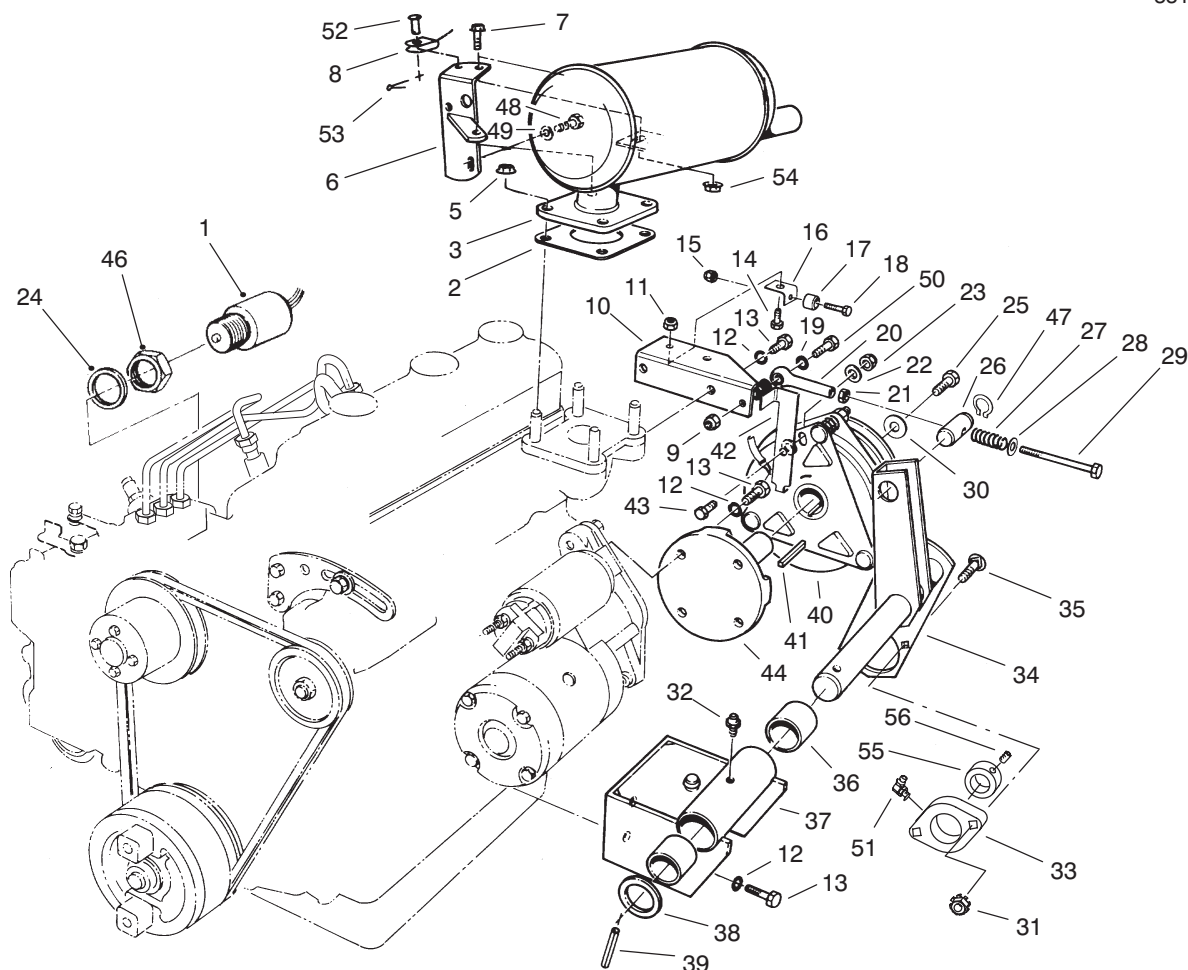
T-0543-2

POWER TAKE OFF ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	63-7440	Solenoid - Stop	1
2	53-8130	Gasket - Exhaust	1
3	84-1910	Muffler	1
*	75-6880	Spark Arrester Screen (Optional)	1
5	68-9400	Nut - Hex.	1
6	66-2360	Support - Muffler	2
7	3234-29	Screw - HFH.	1
8	66-2870	Cable - Hood Stop	1
9	3296-29	Nut - Lock	1
10	93-9991	Bracket	1
11	3296-42	Nut - Lock	2
12	48-9590	Washer - Lock	10
13	63-7790	Screw	10
14	321-3	Screw - HFH	2
15	3296-9	Nut - Lock	2
16	63-8230	Angle - Clutch Anchor	2
17	66-2910	Bumper - Rubber	2
18	3250-39	Screw - Pan Head	2
19	3256-23	Washer - Flat	4
20	66-2900	Tie Rod End	1
21	3220-2	Nut - Jam	1
22	3256-24	Washer - Flat	2
23	3296-59	Nut - Lock	1
24	43-2740	Gasket	1

Ref. No.	Part No.	Description	No. Used
25	3212-5	Screw	1
26	63-6290	Pin - Tension	1
27	3-6624	Spring	1
28	4-2390	Washer	1
29	66-3100	Screw	1
30	67-1631	Spacer	1
31	32149-1	Nut - Keps	2
32	302-5	Fitting - Grease	1
33	92-8799	Bearing	1
34	63-6250	Shaft - PTO Tension	1
35	3230-4	Bolt - Carriage	2
36	256-299	Bushing	2
37	67-1800	Pivot Plate (Incl. Ref. #32 & 36)	1
38	3-4324	Washer	1
39	32121-32	Pin - Roll	1
40	63-6050	Clutch - Electric	1
41	63-8150	Key	1
42	63-6690	Lever - Clutch Anchor	1
43	323-34	Screw - HH	1
44	63-6030	Hub - Clutch	1
46	43-2750	Nut - Jam	1
47	32151-83	Snap Ring	2
48	66-3160	Screw	1
49	48-8030	Washer - Flat	1

*Not Illustrated

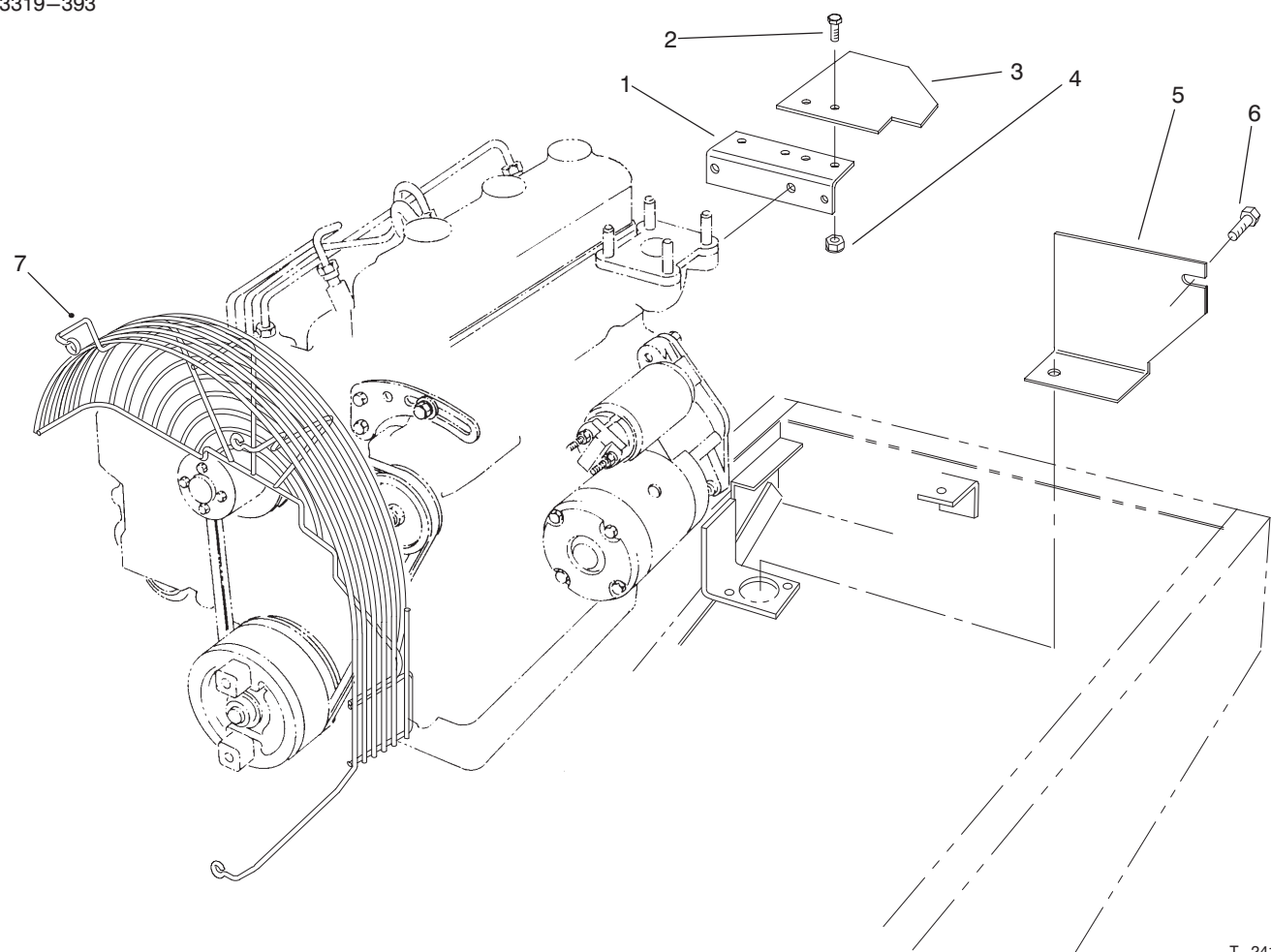


T-0543-2

POWER TAKE OFF ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
50	322-6	Screw - HH	1	54	32128-28	Nut - Lock	1
51	302-40	Fitting - Grease	1	55	251-77	Collar - Locking	1
52	283-58	Pin - Clevis	1	56	3245-35	Screw - Set	1
53	3272-10	Pin - Cotter	1				

*Not Illustrated

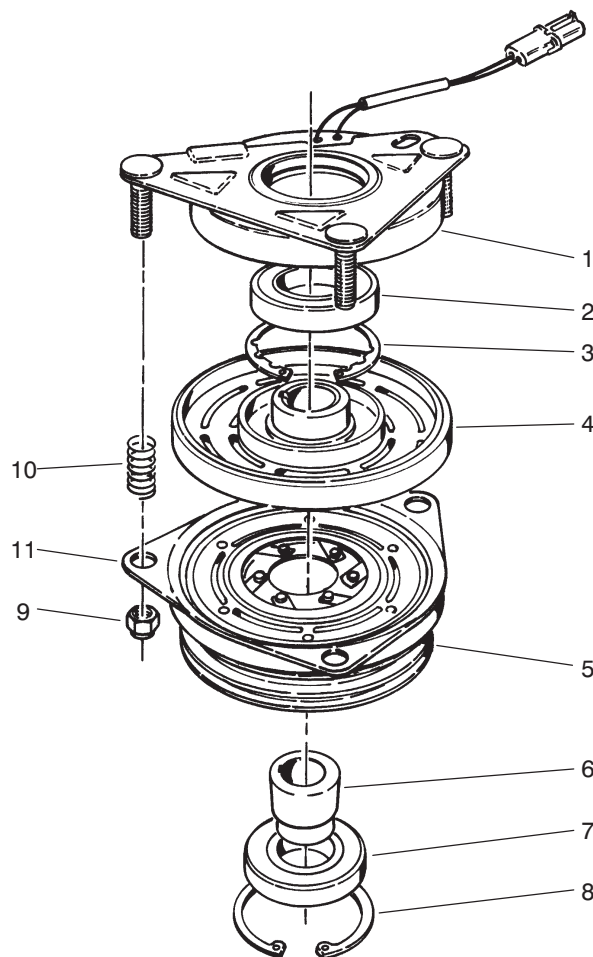


T-2418-1

CE ENGINE COMPONENT ASSEMBLY (EUROPE)

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

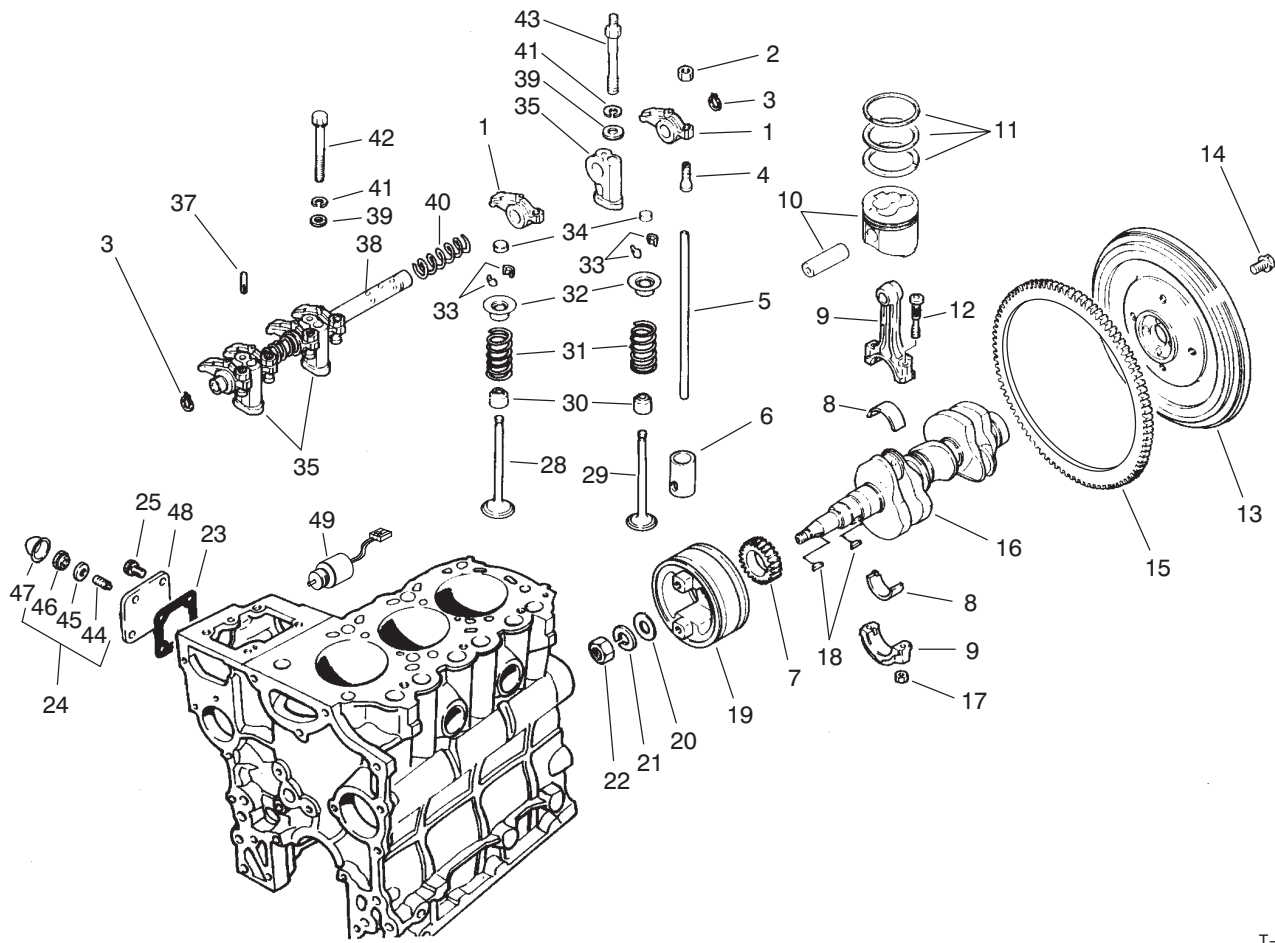
Ref. No.	Part No.	Description	No. Used
5	93-9997	Guard - Flywheel	1
6	93-9992	Screw - HH	1
7	93-9949	Guard - Fan	1



T-0544-1

CLUTCH ASSEMBLY NO. 63—6050

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	67-7050	Asm - Field Rotor (Incl. Ref. #2-4)	1	6	67-7080	Collar - Bearing	1
2		Bearing - Field	1	7	67-7090	Bearing - Pulley	1
3		Ring - Retaining	1	8	67-7060	Ring - Retaining	1
4		Field Coil Assembly	1	9	3296-6	Nut - Lock	3
5	67-7070	Asm - Armature & Pulley (Incl. Ref. #6-8)	1	10	44-8320	Spring	3
				11	67-7100	Plate - Brake	1

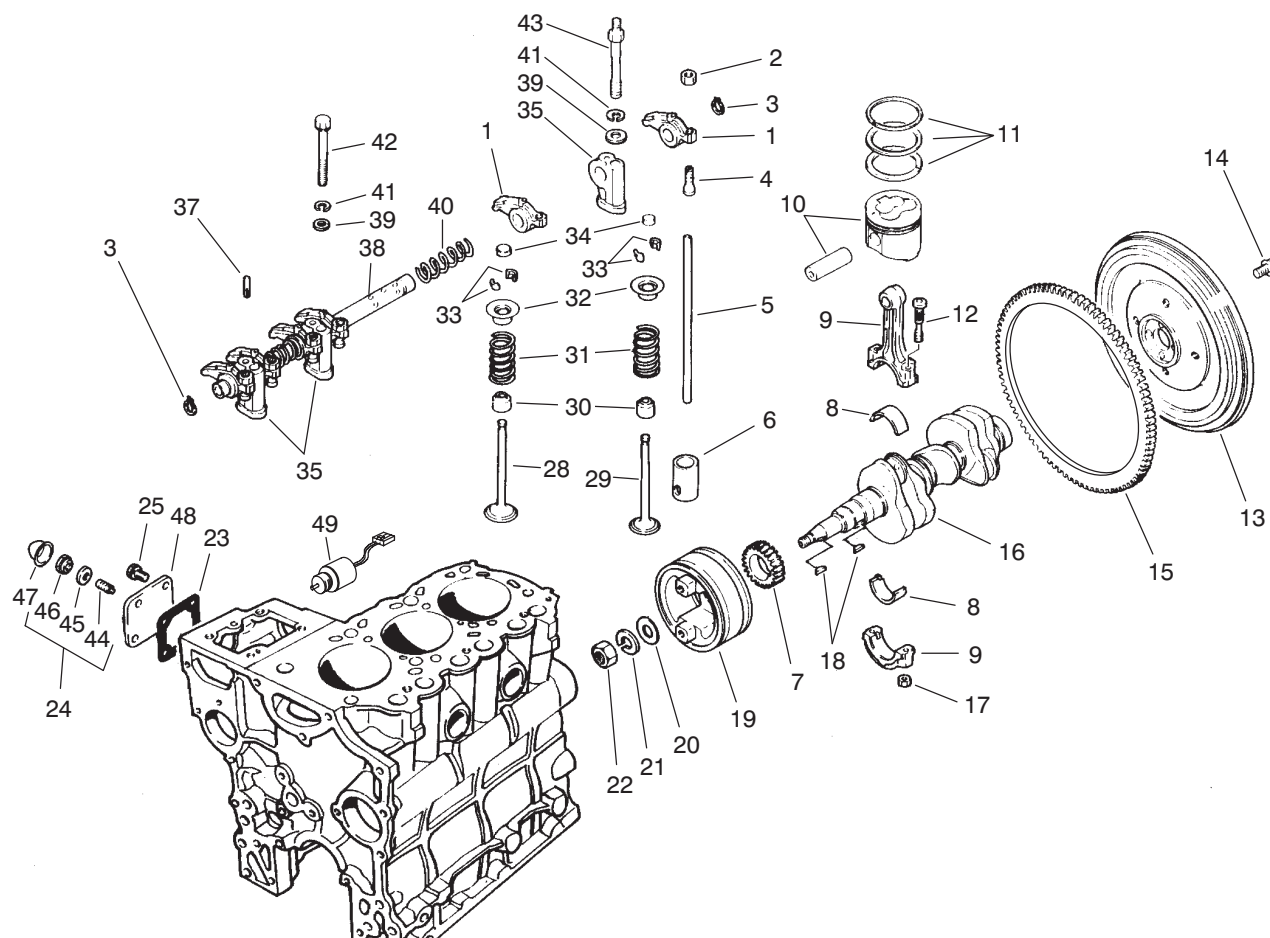


T-0565-1

VALVES AND CRANKSHAFT ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	67-3160	Arm-Rocker	6	14	67-2990	Bolt	4
2	67-3230	Nut - Jam	6	15	67-2980	Gear - Ring	1
3	67-3240	Snap Ring	2	16	92-0845	Crankshaft	1
4	67-3210	Screw - Adjusting	6	17	42-9590	Nut	6
5	67-3150	Rod-Push	6	18	56-0480	Key - Woodruff	2
6	67-3120	Tappet	6	19	67-2930	Pulley - Crankshaft	1
7	67-2910	Gear	1	20	67-2950	Washer	1
8	75-5010	Bearing Set STD	3	21	67-2960	Washer - Lock	1
*	67-2890	Bearing Set 0.25 mm US	3	22	67-2940	Nut - Jam	1
*	67-2900	Bearing Set 0.50 mm US	3	23	67-4310	Gasket	1
9	67-2850	Asm - Rod, Connecting (Incl. Ref. #12 & 17)	3	24	75-5110	Asm - Cover (Incl. Ref. #44-46)	1
10	75-5080	Piston & Pin Set STD	3	25	42-9440	Bolt W/Washer	4
*	75-5090	Piston & Pin Set 0.25 mm OS	3	28	67-3130	Valve - Intake	3
*	75-5100	Piston & Pin Set 0.50 mm OS	3	29	67-3140	Valve - Exhaust	3
11	75-5050	Ring Set STD	3	30	42-7870	Seal	6
*	75-5060	Ring Set 0.25 mm OS	3	31	67-3110	Spring	6
*	75-5070	Ring Set 0.50 mm OS	3	32	67-3100	Retainer	6
12	67-2860	Bolt	6	33	42-7860	Lock	12
13	67-2970	Asm - Flywheel (Incl. Ref. #14)	1	34	67-3180	Cap	6
				35	67-3200	Stay - Rocker	3
				37	67-3220	Pin	1
				38	67-3190	Asm - Rocker Shaft	1

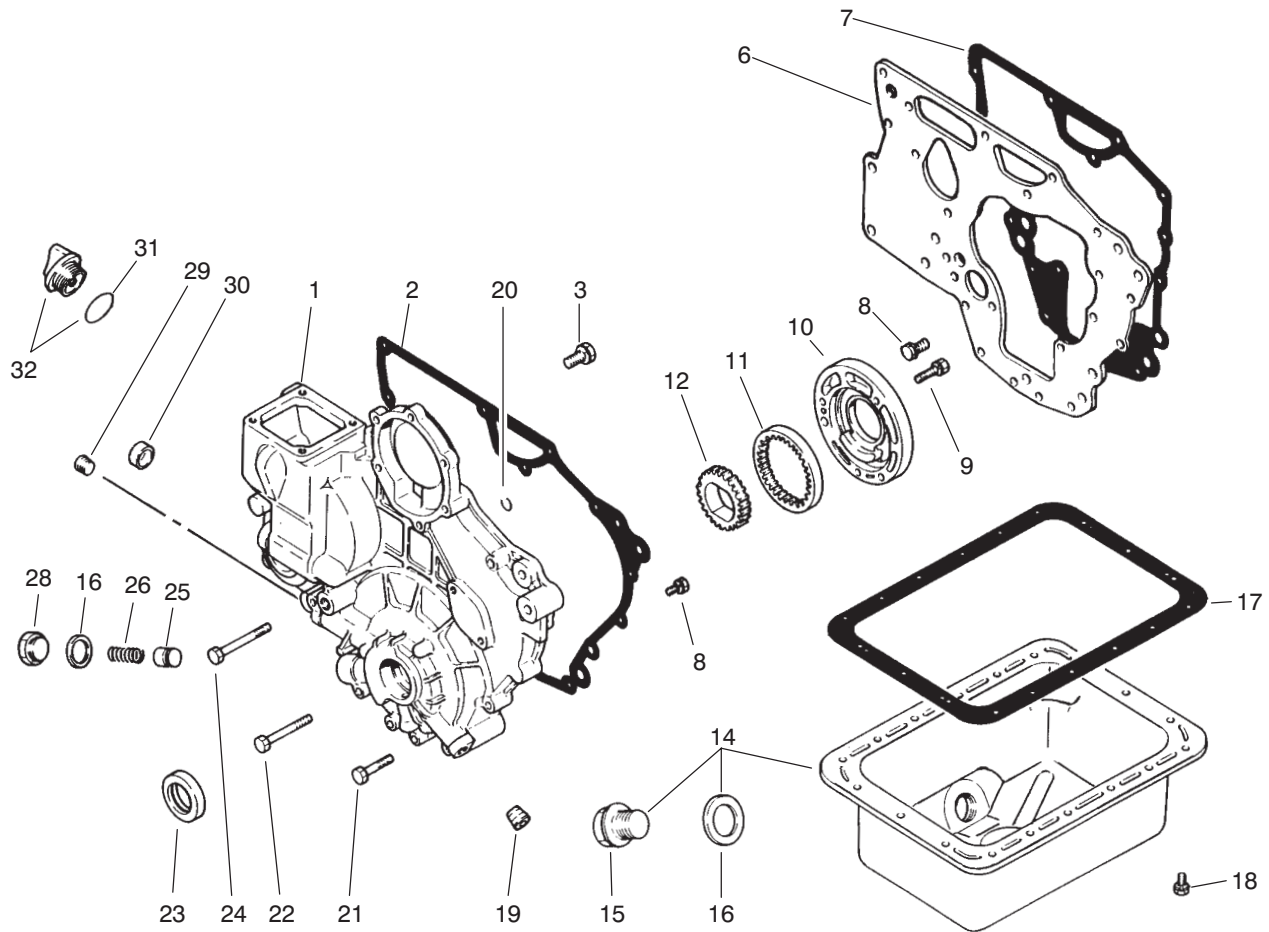
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T-0565-1

VALVES AND CRANKSHAFT ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
39	42-9660	Washer	3	45	75-5120	Gasket	1
40	67-3170	Spring	2	46	43-5960	Nut - Special	1
41	67-3260	Washer	3	47	43-2820	Cap - Sealing	1
42	42-9510	Bolt	1	48	67-4250	Cover - Tie Rod	1
43	67-3250	Bolt - Rocker Stay	2	49	63-7440	Solenoid - ETR Stop	1
44	43-3160	Screw - Adjusting	1				



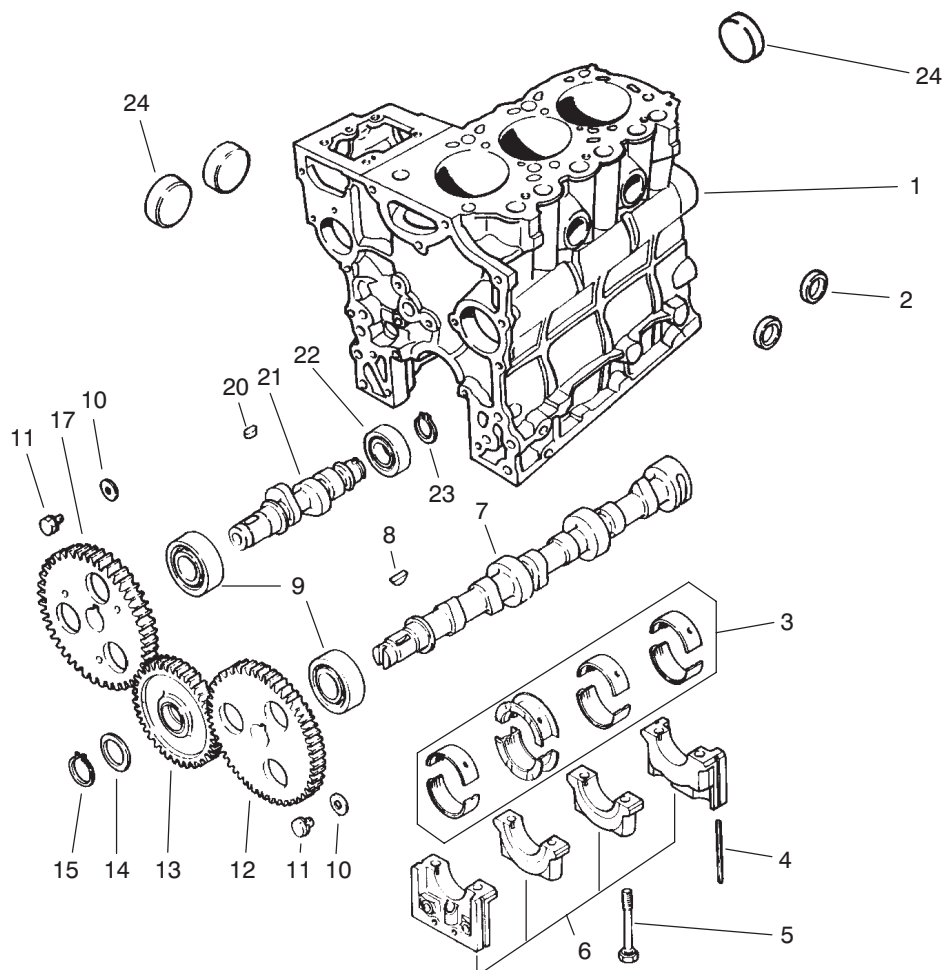
T-0567-1

CRANKCASE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	94-1259	Case	1
2	67-2580	Gasket - Case	1
3	67-2340	Bolt W/Washer	3
6	67-2310	Plate - Front	1
7	67-2320	Gasket - Plate	1
8	42-9440	Bolt W/Washer	11
9	67-2560	Bolt W/Washer	3
10	67-2550	Housing - Oil Pump	1
11	67-2540	Gear - Outer	1
12	67-2530	Gear - Inner	1
14	75-4910	Asm - Oil Pan (Incl. Ref. #15-16)	1
15	42-9260	Plug - Drain	1
16	42-7290	Gasket - Drain	2
17	67-2480	Gasket - Oil Pan	1
18	42-9490	Bolt W/Washer	18

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

*Not Illustrated

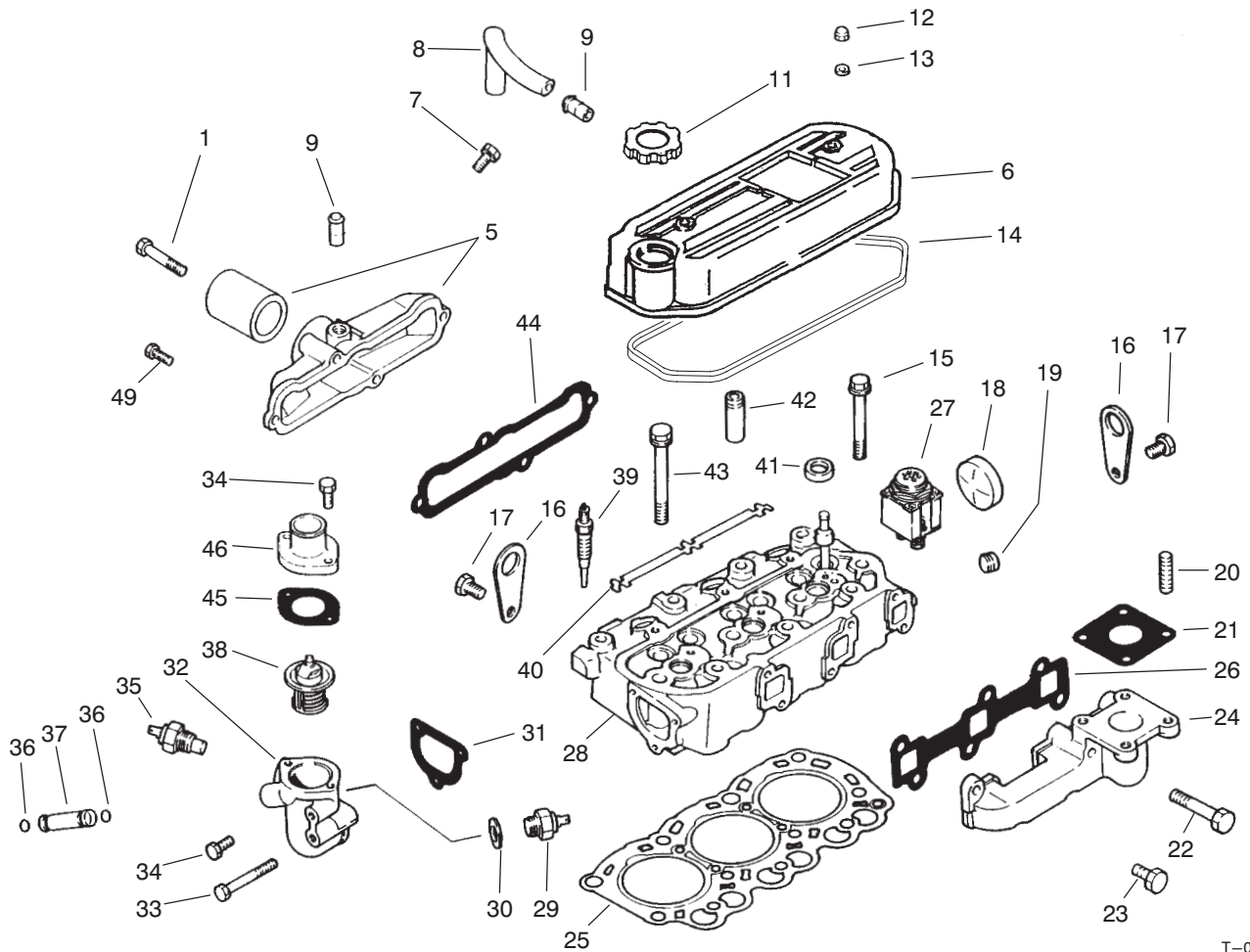


T-0564-1

CAMSHAFT ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	94-1257	Asm — Block (Incl. Ref. #2, 5, 6 & 24)	1	10	67-3000	Washer	2
2	42-7080	Cap	2	11	42-9490	Bolt W/Washer	2
3	75-4900	Bearing Set STD	1	12	67-3020	Gear	1
*	67-2410	Bearing Set 0.25 mm US	1	13	67-3090	Asm — Gear	1
*	67-2420	Bearing Set 0.50 mm US	1	14	67-3040	Plate	1
4	67-2200	Seal	4	15	56-1060	Snap Ring	1
5	67-2250	Bolt	8	17	67-3070	Gear	1
6		Asm — Cap	1	20	42-7840	Key	1
7	67-3010	Cam Shaft	1	21	67-3060	Shaft	1
8	56-0480	Key — Woodruff	1	22	67-3050	Bearing	1
9	67-3030	Bearing	2	23	67-3080	Snap Ring	1
				24	56-0020	Plug	3

*Not Illustrated

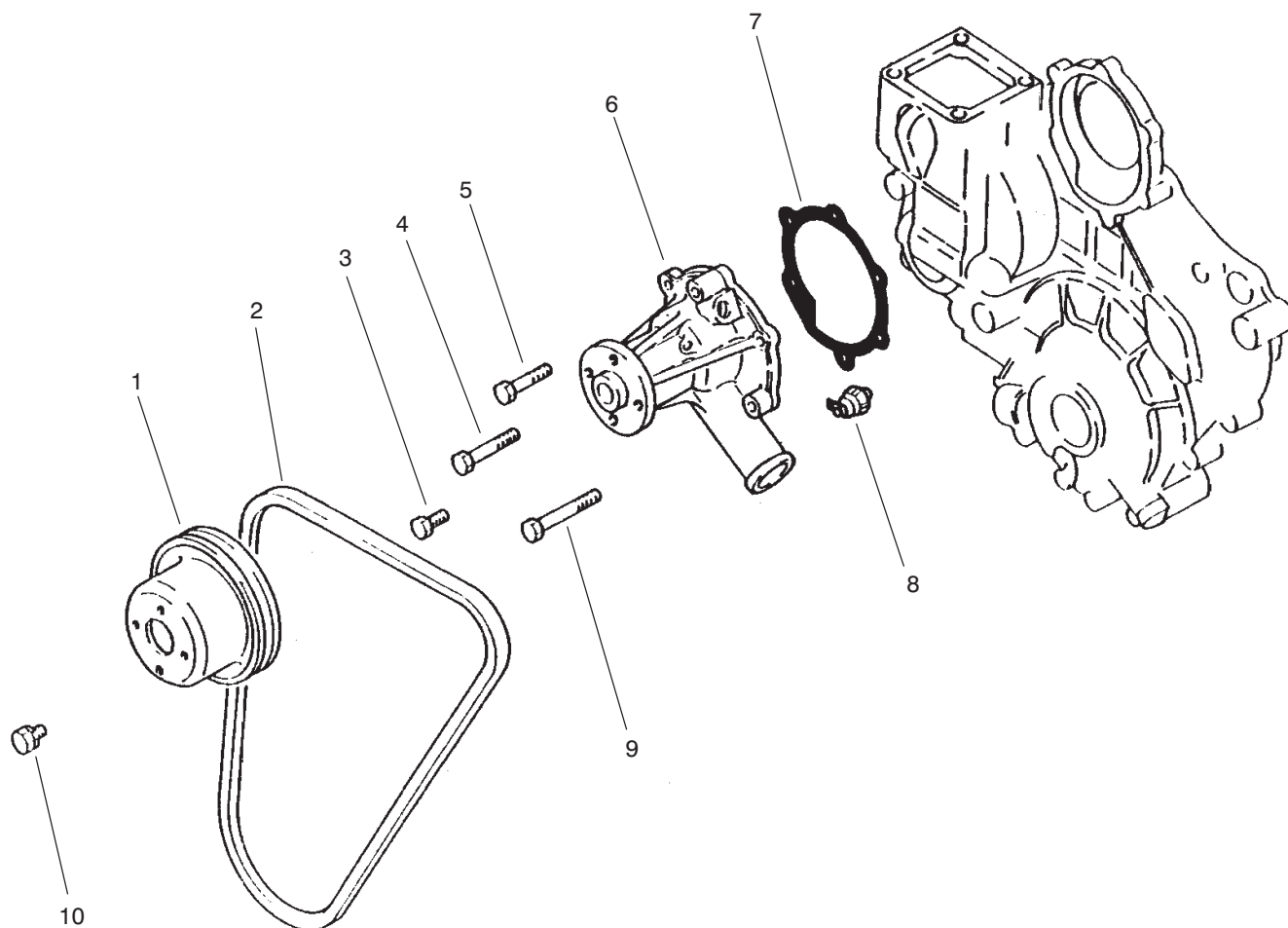


T-0566-3

CYLINDER HEAD ASSEMBLY

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

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

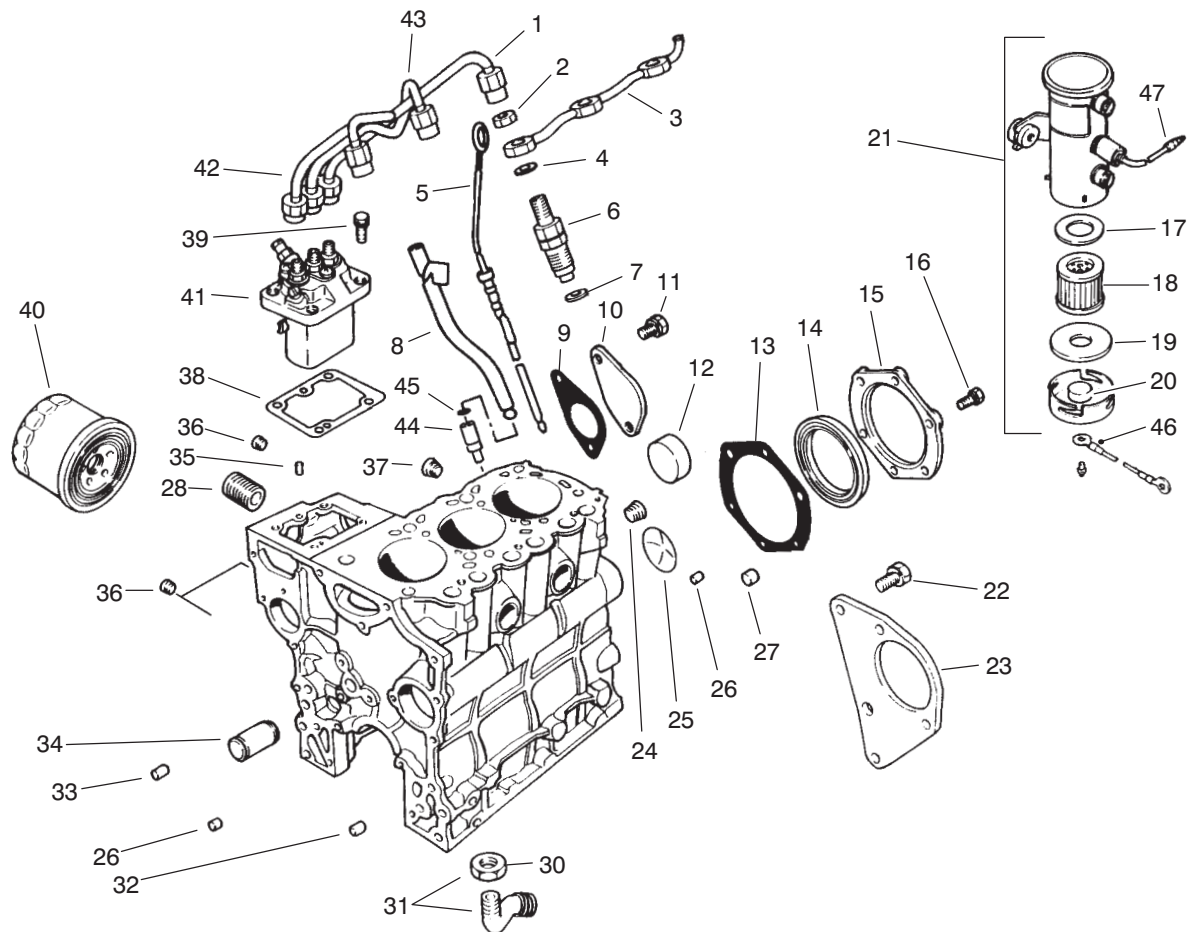


T-0568-1

WATER PUMP ASSEMBLY

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

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

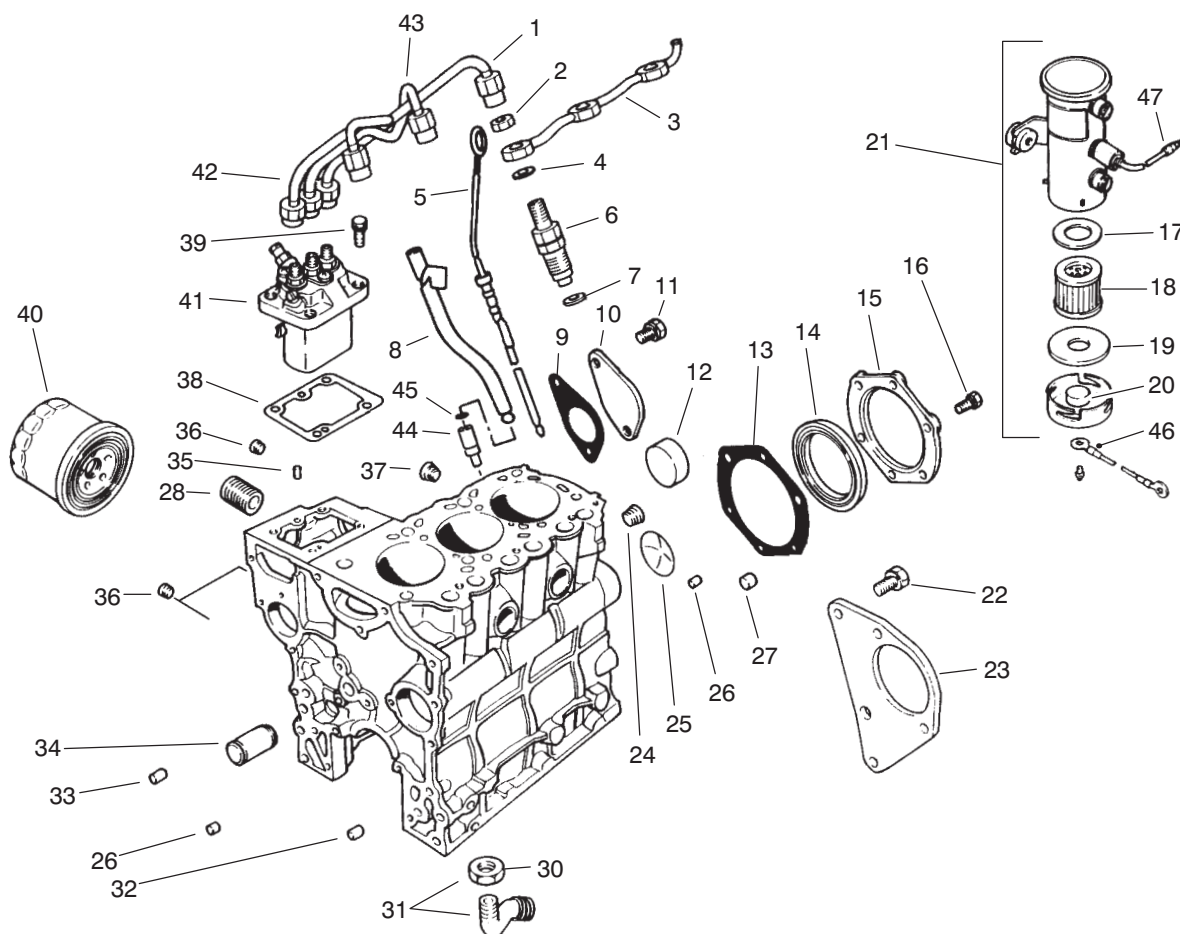


T-0569-3

FUEL SUPPLY & ENGINE BLOCK ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	67-3420	Asm - Pipe No. 3	1	26	67-2360	Bushing - Knock	2
2	67-3430	Nut	3	27	67-2380	Bushing - Knock	3
3	70-8700	Pipe - Fuel Return	1	28	56-1230	Shaft - Oil Filter	1
4	67-3440	Gasket	3	30	42-9650	Nut - Jam	1
5	70-8880	Dipstick	1	31	67-4340	Asm - Screen (Incl. Ref. #30)	1
6	67-3380	Asm - Nozzle & Holder	1	32	67-2370	Bushing - Knock	1
7	67-3390	Gasket - Nozzle Holder	3	33	42-7190	Bushing - Knock	2
8	70-8870	Guide - Oil Level	1	34	67-2260	Shaft-Idler	1
9	67-2300	Gasket	1	35	56-0220	Pin - Dowel	2
10	67-2290	Cover	1	36	67-2210	Plug - Taper	3
11	67-2340	Bolt W/Washer	2	37	56-0100	Plug - Taper	1
12	56-0020	Plug - Expansion	3	38	67-3280	Shim 0.2 mm	1
13	67-2280	Gasket - Seal, Oil	1	*	67-3290	Shim 0.3 mm	1
14	67-2230	Seal - Oil	1	*	67-3300	Shim 0.5 mm	1
15	67-2270	Case - Oil Seal	1	*	67-3310	Shim 0.4 mm	1
16	67-2330	Bolt	6	*	67-3320	Shim 0.6 mm	1
17	43-2570	Gasket - Coil Side	1	*	67-3330	Shim 0.7 mm	1
18	43-2550	Filter	1	*	67-3340	Shim 0.8 mm	1
19	43-2560	Gasket - Side Cover	1	*	67-3350	Shim 0.9 mm	1
20	43-2580	Magnet	1	*	67-3360	Shim 1.0 mm	1
21	53-8150	Asm - Pump (Incl. Ref. #17-20)	1	39	67-3370	Bolt W/Washer	4
22	67-2440	Bolt W/Washer	3	40	67-4330	Asm - Oil Filter	1
23	67-2430	Bracket - Starter	1	41	75-5020	Asm - Injector Pump	1
24	67-2390	Plug - Taper	1	42	67-3400	Asm - Pipe No. 1	1
25	67-2350	Plug - Expansion	1	43	67-3410	Asm - Pipe No. 2	1

*Not Illustrated

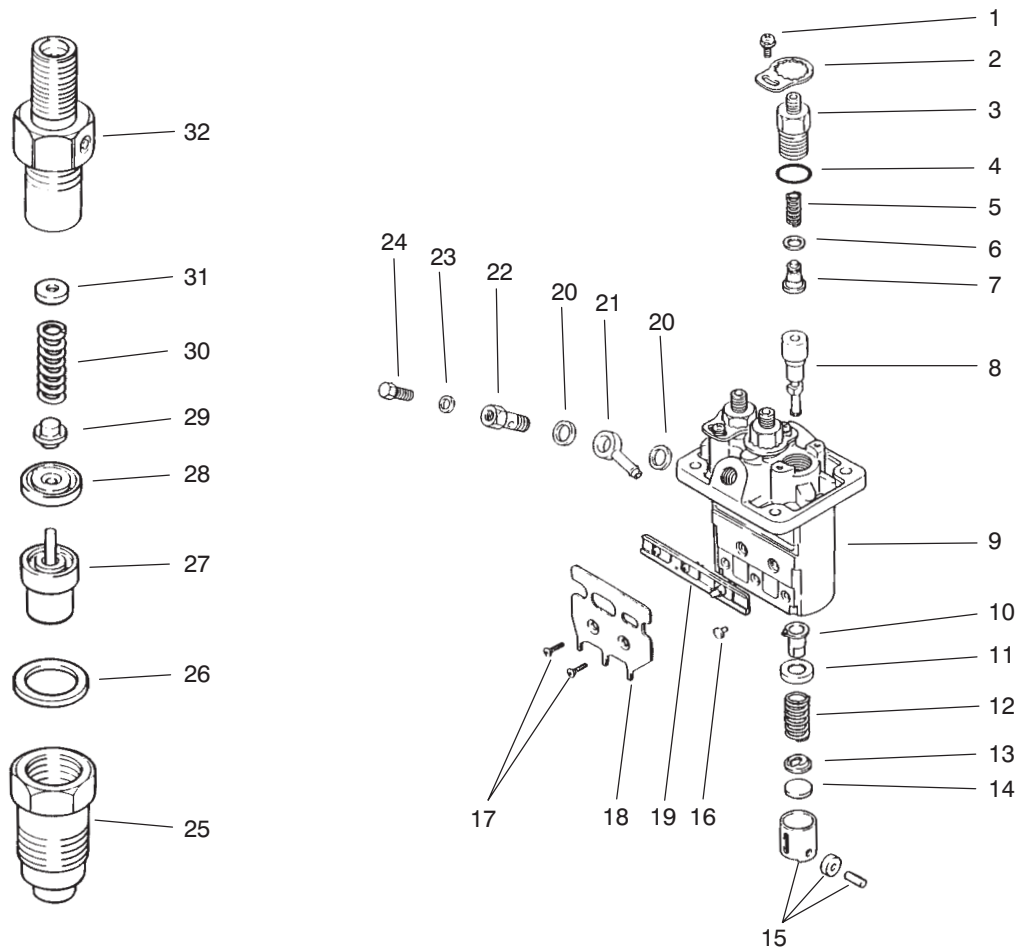


T-0569-3

FUEL SUPPLY & ENGINE BLOCK ASSEMBLY (Cont.)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
44	72-6950	Retainer - Oil Guide	1	47	218-579	Wire - Fuel Pump	1
45	43-2710	O-Ring	1	*	95-3074	Kit - 400 Hour Filter (Incl. Ref. #40)	1
46	70-8530	Wire - Fuel Pump	1				

*Not Illustrated



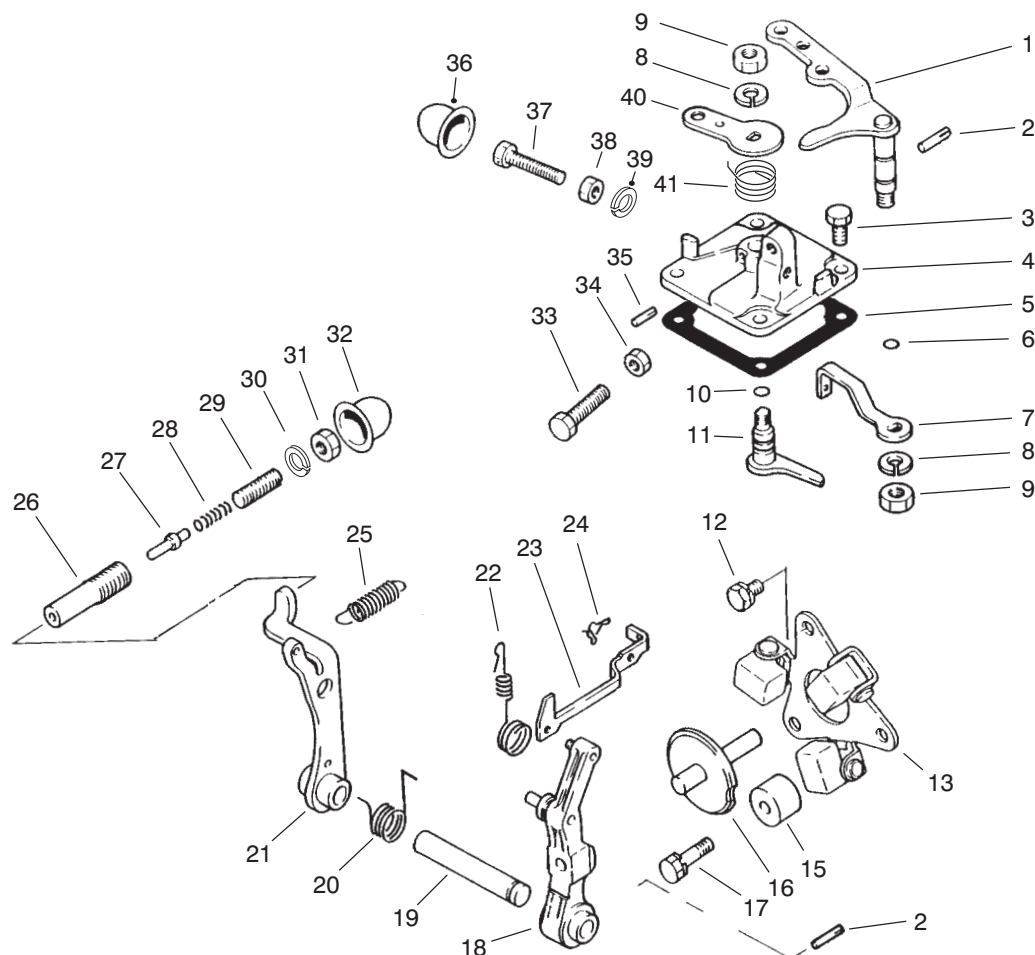
T-0570-4

FUEL INJECTION PUMP ASSEMBLY

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

Ref. No.	Part No.	Description	No. Used
17	67-3790	Screw	2
18	67-3800	Bracket - Wire Stop	1
19	67-3780	Rack	1
20	67-3750	Washer	2
21	67-3740	Nipple - Swivel	1
22	67-3730	Screw	1
23	67-3720	Washer	1
24	67-3710	Screw - Air Bleed	1
25	67-3970	Nut - Retaining	3
26	67-3980	Gasket	3
27	67-3960	Nozzle	3
28	67-3950	Piece - Distance	3
29	67-3940	Pin - Pressure	3
30	67-3930	Spring	3
31	67-3830	Washer 1.25 mm	1
*	67-3840	Washer 1.3 mm	1
*	67-3850	Washer 1.35 mm	1
*	67-3860	Washer 1.4 mm	1
*	67-3870	Washer 1.45 mm	1
*	67-3880	Washer 1.5 mm	1
*	67-3890	Washer 1.55 mm	1
*	67-3900	Washer 1.6 mm	1
*	67-3910	Washer 1.65 mm	1
*	67-3920	Washer 1.7 mm	1
32	75-5000	Body	3
*	67-3380	Asm - Nozzle and Holder (Incl. Ref. #25-32)	3
*	75-5020	Asm - Injector Pump (Incl. Ref. #1-24)	1

*Not Illustrated



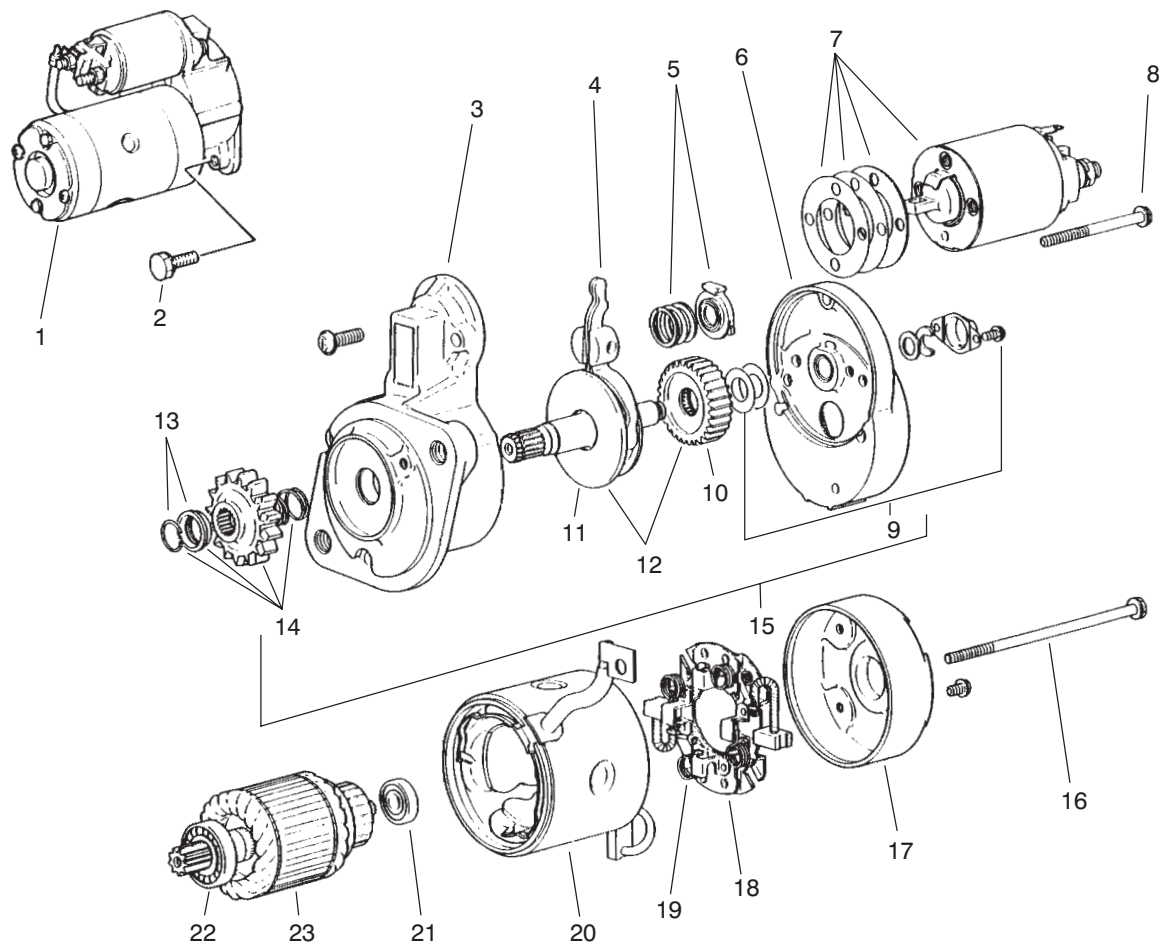
T-0571-2

GOVERNOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	67-3990	Lever - Speed Control	1	23	67-4030	Rod - Tie	1
2	67-4000	Pin	2	24	67-4080	Clip	1
3	67-4270	Bolt	4	25	75-4990	Spring - Governor	1
†4		Cover - Governor	1	†26		Case - Torque Spring	1
5	67-4160	Gasket	1	†27		Stopper	1
6	42-8830	O-Ring	1	†28		Spring - Torque	1
7	75-4980	Lever - Governor Spring	1	†29		Screw - Adjusting	1
8	67-3260	Washer	2	†30		Nut - Special	1
9	42-9640	Nut - Jam	2	†31		Nut	1
10	42-8830	O-Ring	1	†32		Cap - Sealing Torque Set	1
11	67-4140	Lever - Stop	1	33	95-9605	Bolt - Speed Set	1
12	42-9430	Bolt W/Washer	2	34	67-4290	Nut	1
13	67-4040	Asm - Weight	1	35	67-4120	Pin - Grooved	1
15	67-4010	Stopper	1	†36		Cover - High Speed Set	1
16	67-4070	Shaft - Sliding	1	†37		Bolt - High Speed Set	1
17	67-4280	Bolt W/Washer	1	†38		Nut - High Speed Set	1
18	67-4060	Lever - Governor	1	†39		C-Ring - High Speed Set	1
19	67-4050	Shaft - Governor	1	40	67-4150	Lever - Stop	1
20	67-5040	Spring	1	41	94-3827	Spring - Return	1
21	67-4090	Lever - Tension	1	†*		Spring Set (Incl. Ref. #26-29 & 31)	1
22	70-8720	Spring - Tie Rod	1				

*Not Illustrated

†Item must be serviced by a Mitsubishi Authorized Toro Dealer/Distributor.

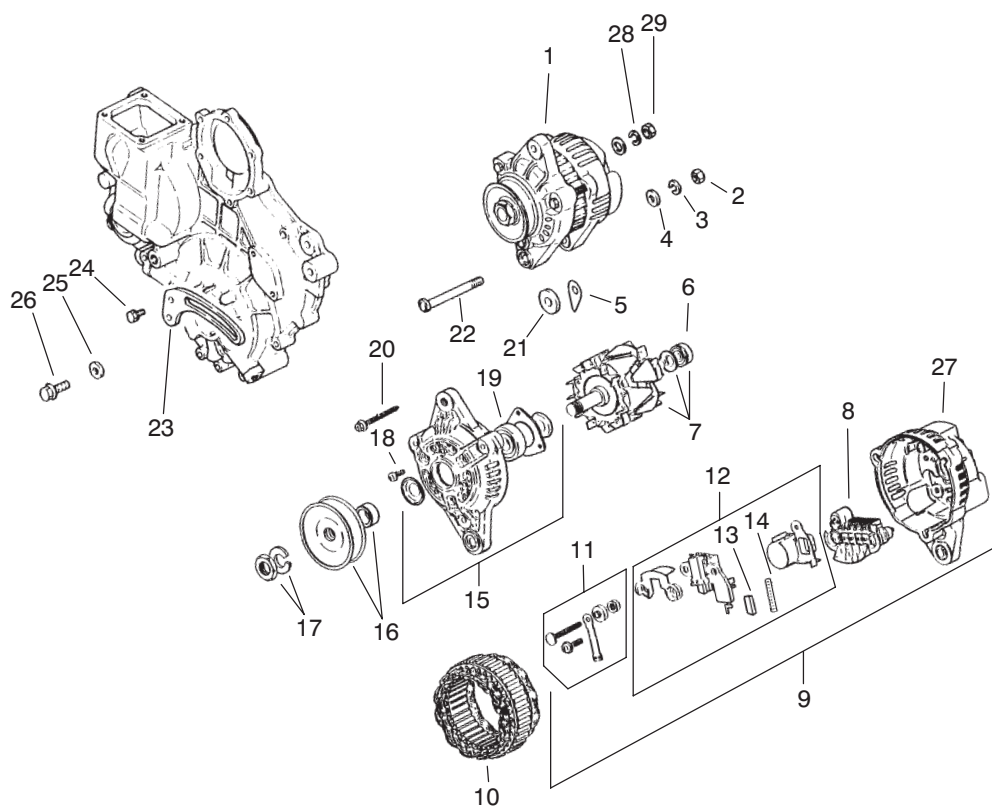


T-0572-1

STARTER ASSEMBLY

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

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



T-0573-1

ALTERNATOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	67-4630	Asm — Alternator (Incl. Ref. #6-17)	1	13	67-4920	Brush	2
2	67-4670	Nut	1	14	43-0510	Spring — Brush	2
3	67-3260	Washer	1	15	67-4830	Asm — Front Bracket (Incl. Ref. #18 & 19)	1
4	42-9660	Washer	1	16	67-4810	Pulley Set	1
5	43-0370	Shim	1	17	43-1920	Nut Set	1
6	67-4870	Bearing — Rear	1	18	67-4840	Screw Set	1
7	67-4860	Asm — Rotor (Incl. Ref. #6)	1	19	67-4850	Bearing — Front	1
8	67-4930	Rectifier	1	20	67-4820	Bolt Set	1
9	67-4890	Asm — Rear Cover (Incl. Ref. #8, 11, 12 & 27)	1	21	67-4620	Spacer	1
10	67-4880	Stator	1	22	67-4640	Bolt	1
11	67-4900	Terminal Set	1	23	75-4940	Brace — Alternator	1
12	67-4910	Asm — Regulator (Incl. Ref. #13 & 14)	1	24	42-9440	Bolt W/Washer	1
				25	54-8660	Washer	1
				26	67-4660	Bolt — Flange	1
				27	72-6140	Cover — Rear	1

TORO PART NUMBER INDEX

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

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
43-2550	Filter	24 81 1	48-7700	Screw - Hex.	29 43 1
43-2560	Gasket	24 82 1	48-8030	Washer - Flat	30 49 1
43-2560	Gasket - Side Cover	40 19 1	48-9460	Screw - HH	18 20 2
43-2570	Gasket	24 80 1	48-9590	Washer - Lock	30 12 10
43-2570	Gasket - Coil Side	40 17 1	48-9590	Washer - Lock	29 15 8
43-2580	Magnet	40 20 1	49-7820	Variable Swashplate	20 13 1
43-2580	Magnet	24 83 1	49-7830	Asm - Check Valve	20 22 2
43-2710	O-Ring	38 36 2	49-8200	Shaft - Motor	20 47 1
43-2710	O-Ring	41 45 1	51-3150	Shim	22 24 1
43-2740	Gasket	30 24 1	52-1321	Decal - Diesel Fuel	23 16 1
43-2750	Nut - Jam	30 46 1	52-2340	Spacer	29 31 1
43-2820	Cap - Sealing	35 47 1	52-8890	Bracket - Mounting	22 16 2
43-3160	Screw - Adjusting	35 44 1	52-9070	Plate - Pump	22 17 1
43-4031	Cable - Battery, Positive	8 62 1	53-4430	Decal - Oil	2 34 1
43-4031	Wire - Positive	4 1 1	53-8130	Gasket - Exhaust	30 2 1
43-5320	Pulley - Power Take Off	10 4 1	53-8150	Asm - Pump	40 21 1
43-5920	Washer - Lock	29 39 1	53-8150	Pump - Fuel	23 40 1
43-5960	Nut - Special	35 46 1	54-7950	Asm - Drive Shaft	10 * 1
43-5970	Nut - Hex.	29 40 1	54-8660	Washer	45 25 1
43-6550	Ring - Retaining	15 26 1	54-9040	Yoke - End	10 22 1
43-6710	Shim Adjusting Differential	15 18 A/R	54-9050	Shaft - Slip Yoke	10 20 1
43-6711	Shim Adjusting Differential	15 19 A/R	54-9090	Yoke - End	10 17 1
43-6712	Shim Adjusting Differential	15 20 A/R	54-9170	Tube - Slip Yoke	10 18 1
43-6713	Shim Adjusting Differential	15 21 A/R	54-9180	Kit - Universal Joint	10 25 2
43-6750	Cup - Tapered, Bearing	16 31 1	56-0020	Plug	37 24 3
43-6760	Cone - Bearing, Tapered	15 13 1	56-0020	Plug - Expansion	40 12 3
43-6810	Torque Spider	17 5 2	56-0020	Plug - Expansion	38 18 1
43-8600	Spring - Compression	24 54 1	56-0100	Plug - Taper	40 37 1
43-8610	Guide - Spring & Ball Seat	24 59 1	56-0220	Pin - Dowel	40 35 2
43-8620	Guide - Switch Pin	24 63 1	56-0480	Key - Woodruff	37 8 1
43-8860	Plunger - Switch	24 60 1	56-0480	Key - Woodruff	34 18 2
43-8870	Boot - Switch	24 65 1	56-1060	Snap Ring	37 15 1
43-9071	Switch - Seat	24 * 1	56-1230	Shaft - Oil Filter	40 28 1
44-2230	Coupling - Rubber	18 16 2	56-1570	Bolt Set	44 8 1
44-8320	Spring	33 10 3	56-1580	Armature Set	44 23 1
44-8530	Sock - Hose	5 47 1	56-1590	Bearing - Front	44 22 1
46-2210	Shim Front Pinion Bearing	15 28 A/R	56-1600	Bearing - Rear	44 21 1
46-2211	Shim Front Pinion Bearing	15 * A/R	56-1610	Bolt	44 16 1
46-2212	Shim Front Pinion Bearing	15 * A/R	56-1640	Stopper Set	44 13 1
46-2213	Shim Front Pinion Bearing	15 * A/R	56-1670	Gear	44 10 1
46-2214	Shim Front Pinion Bearing	15 * A/R	56-1680	Cover Set	44 9 1
46-2215	Shim Front Pinion Bearing	15 * A/R	56-1700	Holder - Brush	44 18 1
46-2216	Shim Front Pinion Bearing	15 * A/R	56-1710	Spring - Brush	44 19 4
46-2220	Shim Front Pinion Bearing	15 * A/R	56-1720	Bracket - Rear	44 17 1
46-2221	Shim Front Pinion Bearing	15 * A/R	56-2460	Washer - Flat	26 48 A/R
46-2222	Shim Front Pinion Bearing	15 * A/R	57-6390	Nut - Hex.	29 42 2
46-2223	Shim Front Pinion Bearing	15 * A/R	58-6320	Wiper - Seal	12 1 1
46-2224	Shim Front Pinion Bearing	15 * A/R	58-6400	Bushing	12 5 1
46-2225	Shim Front Pinion Bearing	16 *28 A/R	58-6420	Asm - Cap	12 8 1
46-2226	Shim Front Pinion Bearing	16 * A/R	58-6450	O-Ring	12 2 2
46-2410	Shim Front Pinion Bearing	16 * A/R	58-6460	Ring - Retaining	12 9 1
46-2411	Shim Front Pinion Bearing	16 A/R	59-9740	Asm - Latch, Flex. Draw	2 47 1
46-2412	Shim Front Pinion Bearing	16 * A/R	62-5550	Decal - TORO	2 37 1
46-2413	Shim Front Pinion Bearing	16 * A/R	62-7020	Asm - Wheel & Tire	14 * 2
46-2414	Shim Front Pinion Bearing	16 * A/R	62-7400	Decal - Toro	2 65 1
46-2415	Shim Front Pinion Bearing	16 * A/R	62-7650	Gasket	14 38 1
46-2416	Shim Front Pinion Bearing	16 * A/R	63-6020	Hose - Lower	13 21 1
46-2420	Shim Front Pinion Bearing	16 * A/R	63-6030	Hub - Clutch	30 44 1
46-2421	Shim Front Pinion Bearing	16 A/R	63-6050	Clutch - Electric	30 40 1
46-2422	Shim Front Pinion Bearing	16 * A/R	63-6180	Pedal - L.H. Brake	5 26 1
46-2423	Shim Front Pinion Bearing	16 * A/R	63-6190	Pedal - R.H.Brake	5 29 1
46-2424	Shim Front Pinion Bearing	16 *28 A/R	63-6210	Pin - Brake	5 22 1
46-2425	Shim Front Pinion Bearing	16 * A/R	63-6240	Belt - Power Take Off	10 5 1
46-2426	Shim Front Pinion Bearing	16 * A/R	63-6250	Shaft - PTO Tension	30 34 1
46-6550	Connector 90°	14 3 1	63-6290	Pin - Tension	30 26 1
46-6560	Bushing	14 40 2	63-6410	Rod - Pump Control	7 15 1
46-6810	Screw - HH	1 26 13	63-6410	Tube - Traction Control	18 1 1
46-7310	Relief Valve Spring Imp.	20 26 1	63-6430	Frame - Rear	26 3 1
46-7320	Plate - Pump Valve	20 17 1	63-6440	Shield - Radiator	13 27 1
46-8091	Screw - HH	2 43 2	63-6610	Drive Shaft	18 17 1
46-8810	Stop - Leaf Spring	22 9 1	63-6630	Cylinder - Lift	11 31 2
48-1800	Kit - Cylinder Block	20 16 2	63-6690	Lever - Clutch Anchor	30 42 1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
63-6720	Lever - Idler	29 24 1	66-2670	Bracket - Throttle	8 57 1
63-6750	Link - Brake Cable	5 19 2	66-2720	Lever - Lift	11 4 1
63-6760	Swivel - Throttle Cable	9 * 1	66-2770	Tube - Cylinder	28 1 1
63-6760	Swivel - Throttle Cable	29 14 1	66-2800	Rod - Seat Support	23 10 1
63-6770	Pin - Rear Axle	26 7 1	66-2870	Cable - Hood Stop	30 8 1
63-6880	Rod - Tie	26 32 2	66-2870	Cable - Hood Stop	2 45 1
63-6890	Plate - Hinge R.H.	2 42 1	66-2900	Tie Rod End	30 20 1
63-6900	Plate Hinge L.H.	1 10 1	66-2910	Bumper - Rubber	30 17 2
63-7030	Screen - Hood	1 3 1	66-2920	Washer - Friction	8 53 2
63-7141	Mount - Shock (Red)	8 8 1	66-2940	Gage - Fuel	3 6 1
63-7142	Mount - Shock (Yellow)	8 43 3	66-2950	Meter - Hour	3 14 1
63-7170	Anchor - Transmission	18 41 1	66-2960	Cluster - Warning Light	3 5 1
63-7300	Fender - R.H.	2 39 1	66-2990	Cap - Spindle	26 14 2
63-7310	Fender L.H.	1 20 1	66-3040	Cover - Tool Box	1 14 1
63-7320	Cover - Tower Rear	2 32 1	66-3050	Strip - Magnetic	1 15 1
63-7340	Wire - Ground	8 1 1	66-3060	Dipstick - Differential	14 35 1
63-7340	Wire - Ground	4 2 1	66-3100	Screw	30 29 1
63-7340	Wire - Ground	29 49 1	66-3110	Hyd. Fitting	18 9 2
63-7380	Tank - Expansion	29 11 1	66-3130	Fitting - Tee	11 12 1
63-7400	Washer - Rebound	8 42 4	66-3160	Screw	30 48 1
63-7410	Bracket - Bulkhead	11 37 1	66-3170	Hose	13 35 1
63-7430	Gage - Temperature	3 15 1	66-3180	Tube - Vent	13 20 1
63-7440	Solenoid - Stop	30 1 1	66-3200	Tread - Foot Rest L.H.	1 29 1
63-7590	Relay	23 47 2	66-3210	Tread - Foot L.H.	1 30 1
63-7600	Hose - Fuel	13 23 1	66-3240	Cap - Radiator	13 6 1
63-7610	Hose	8 61 1	66-8110	Trim - Hood	1 8 1
63-7620	Hose	23 19 1	66-8120	Standpipe	14 1 1
63-7630	Hose	14 7 2	66-8140	Hose	21 11 1
63-7630	Hose	23 42 1	66-8140	Hose	5 31 1
63-7640	Sender - Fuel	14 6 1	66-8150	Hose	21 6 1
63-7700	Asm - Frame, Screen	13 1 1	66-8150	Hose - Hydraulic	11 14 1
63-7710	Magnetic Strip	13 2 1	66-8170	Hose	21 12 2
63-7730	Asm - Cable, Brake R.H.	5 16 1	66-8170	Hose - Hydraulic	5 37 2
63-7731	Asm - Cable, Brake L.H.	5 * 1	66-8180	Asm - Hose	13 10 1
63-7790	Screw	30 13 10	66-8180	Hose	21 5 1
63-7790	Screw	29 16 8	66-8190	Asm - Hose, Hydraulic	11 25 1
63-7880	Pin - Brake Latch	5 23 1	66-8190	Hose	21 3 1
63-7900	Rack - Brake	5 15 1	66-8490	Asm - Hose	18 23 1
63-7910	Rod - Brake Latch	5 9 1	66-8490	Hose	21 10 1
63-7960	Asm - Lift Valve	12 * 1	66-8500	Asm - Hose	13 30 1
63-7960	Valve - Lift	11 6 1	66-8500	Hose	21 8 1
63-8050	Box - Control	2 40 1	66-8500	Hose	11 15 1
63-8090	Asm - Lower Housing	15 1 1	66-8620	Tube	21 9 1
63-8140	Pulley	29 28 1	66-8620	Tube Hydraulic (Pump-Str.)	5 33 1
63-8150	Key	30 41 1	66-8630	Tube	21 7 1
63-8230	Angle - Clutch Anchor	30 16 2	66-8630	Tube - Hydraulic (Str.-Lift)	5 32 1
63-8280	Asm - Head	8 12 1	66-8640	Asm - Hose, Hydraulic	11 33 1
63-8290	Vent - Air	8 45 1	66-8640	Hose	21 4 1
63-8300	Element - Spin On	8 13 1	66-8690	Lamp Harness	4 4 1
63-8310	Valve - Drain	8 40 1	66-8700	Indicator - Glow	29 32 1
63-8360	Key - Ignition	3 10 1	66-8750	Decal - Control Levers	24 56 1
63-8410	Washer - Flat	10 29 4	66-8760	Decal - Tower L.H.	2 33 1
63-9750	Mount	10 30 2	66-8770	Decal - Tower R.H.	2 * 1
65-2740	Spacer	12 10 1	66-8800	Relay	24 50 1
65-2750	Plunger	12 11 1	66-9970	Kit - Spring	6 * 1
65-2760	Spring	12 12 1	66-9980	Kit - Seal	6 * 1
65-2770	Washer	12 6 1	66-9990	Kit - Needle Roller	6 * 1
65-2930	Asm - Plug	12 13 1	67-1631	Spacer	30 30 1
65-2950	Spring	12 7 1	67-1690	Fitting	24 68 2
65-5100	Handle - Hood	1 2 1	67-1710	Decal - Interlock	23 48 1
66-1930	Nut - Lock	28 6 1	67-1720	Decal - Caution	1 27 2
66-1940	Piston	28 5 1	67-1750	Bushing	26 9 6
66-2320	Mount - Engine	29 19 1	67-1800	Pivot Plate	30 37 1
66-2360	Support - Muffler	30 6 2	67-1900	Screw - HH	18 43 1
66-2440	Plate - Reservoir	29 10 1	67-2200	Seal	37 4 4
66-2450	Bracket - Air Cleaner	24 74 1	67-2210	Plug - Taper	40 36 3
66-2451	Bracket - Air Cleaner	23 29 2	67-2230	Seal - Oil	40 14 1
66-2460	Panel - Control	3 1 1	67-2250	Bolt	37 5 8
66-2470	Plate - Tower	2 41 1	67-2260	Shaft-Idler	40 34 1
66-2490	Clamp - Battery Retainer	8 5 1	67-2270	Case - Oil Seal	40 15 1
66-2590	Pin - Seat Spring	23 43 1	67-2280	Gasket - Seal, Oil	40 13 1
66-2630	Latch - Seat	23 14 1	67-2290	Cover	40 10 1

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67-2310	Plate - Front	36 6 1	67-3120	Tappet	34 6 6
67-2320	Gasket - Plate	36 7 1	67-3130	Valve - Intake	34 28 3
67-2330	Bolt	39 3 2	67-3140	Valve - Exhaust	34 29 3
67-2330	Bolt	40 16 6	67-3150	Rod-Push	34 5 6
67-2330	Bolt	38 34 4	67-3160	Arm-Rocker	34 1 6
67-2330	Bolt	38 49 2	67-3170	Spring	35 40 2
67-2340	Bolt W/Washer	36 3 3	67-3180	Cap	34 34 6
67-2340	Bolt W/Washer	40 11 2	67-3190	Asm - Rocker Shaft	34 38 1
67-2340	Bolt W/Washer	38 17 4	67-3200	Stay - Rocker	34 35 3
67-2350	Plug - Expansion	40 25 1	67-3210	Screw - Adjusting	34 4 6
67-2360	Bushing - Knock	40 26 2	67-3220	Pin	34 37 1
67-2370	Bushing - Knock	40 32 1	67-3230	Nut - Jam	34 2 6
67-2380	Bushing - Knock	40 27 3	67-3240	Snap Ring	34 3 2
67-2390	Plug - Taper	40 24 1	67-3250	Bolt - Rocker Stay	35 43 2
67-2410	Bearing Set 0.25 mm US	37 * 1	67-3260	Washer	45 3 1
67-2420	Bearing Set 0.50 mm US	37 * 1	67-3260	Washer	43 8 2
67-2430	Bracket - Starter	40 23 1	67-3260	Washer	35 41 3
67-2440	Bolt W/Washer	40 22 3	67-3280	Shim 0.2 mm	40 38 1
67-2480	Gasket - Oil Pan	36 17 1	67-3290	Shim 0.3 mm	40 * 1
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67-2510	Spring - Relief	36 26 1	67-3310	Shim 0.4 mm	40 * 1
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67-2570	Plug - Taper	36 29 1	67-3380	Asm - Nozzle & Holder	40 6 1
67-2580	Gasket - Case	36 2 1	67-3380	Asm - Nozzle and Holder	42 * 3
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67-2600	Bolt	39 5 1	67-3400	Asm - Pipe No. 1	40 42 1
67-2600	Bolt	36 21 3	67-3410	Asm - Pipe No. 2	40 43 1
67-2610	Bolt	39 9 2	67-3420	Asm - Pipe No. 3	40 1 1
67-2610	Bolt	36 22 4	67-3430	Nut	40 2 3
67-2620	Bolt	36 24 1	67-3440	Gasket	40 4 3
67-2630	O-Ring	36 20 2	67-3460	Housing-Pump	42 9 1
67-2640	Cap	36 30 1	67-3480	O-Ring	42 4 3
67-2650	Asm - Oil Fill Cap	36 32 1	67-3490	Spring	42 5 3
67-2660	O-Ring	36 31 1	67-3500	Valve	42 7 3
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67-2710	Cap - Sealing	38 41 3	67-3550	Seat - Spring Lower	42 13 3
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67-2740	Bolt - Flange	38 15 3	67-3570	Plate - Shim 1.9 mm	42 * 1
67-2760	Gasket	38 14 1	67-3580	Plate - Shim 1.95 mm	42 * 1
67-2770	Nut - Cap	38 12 2	67-3590	Plate - Shim 2.0 mm	42 * 1
67-2780	Washer	38 13 2	67-3600	Plate - Shim 2.05 mm	42 * 1
67-2850	Asm - Rod, Connecting	34 9 3	67-3610	Plate - Shim 2.1 mm	42 * 1
67-2860	Bolt	34 12 6	67-3620	Plate - Shim 2.15 mm	42 * 1
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67-2900	Bearing Set 0.50 mm US	34 * 3	67-3640	Plate - Shim 2.25 mm	42 * 1
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67-2940	Nut - Jam	34 22 1	67-3670	Plate - Shim 2.4 mm	42 * 1
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67-2960	Washer - Lock	34 21 1	67-3690	Plate - Shim 2.5 mm	42 * 1
67-2970	Asm - Flywheel	34 13 1	67-3700	Tappet	42 15 3
67-2980	Gear - Ring	34 15 1	67-3710	Screw - Air Bleed	42 24 1
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67-3030	Bearing	37 9 2	67-3750	Washer	42 20 2
67-3040	Plate	37 14 1	67-3760	Plate - Lock	42 2 3
67-3050	Bearing	37 22 1	67-3770	Screw W/Washer	42 1 3
67-3060	Shaft	37 21 1	67-3780	Rack	42 19 1
67-3070	Gear	37 17 1	67-3790	Screw	42 17 2
67-3080	Snap Ring	37 23 1	67-3800	Bracket - Wire Stop	42 18 1
67-3090	Asm - Gear	37 13 1	67-3810	Pin - Tappet Guide	42 16 3
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67-3850	Washer 1.35 mm	42 * 1	67-4800	Yoke	44 20 1
67-3860	Washer 1.4 mm	42 * 1	67-4810	Pulley Set	45 16 1
67-3870	Washer 1.45 mm	42 * 1	67-4820	Bolt Set	45 20 1
67-3880	Washer 1.5 mm	42 * 1	67-4830	Asm - Front Bracket	45 15 1
67-3890	Washer 1.55 mm	42 * 1	67-4840	Screw Set	45 18 1
67-3900	Washer 1.6 mm	42 * 1	67-4850	Bearing - Front	45 19 1
67-3910	Washer 1.65 mm	42 * 1	67-4860	Asm - Rotor	45 7 1
67-3920	Washer 1.7 mm	42 * 1	67-4870	Bearing - Rear	45 6 1
67-3930	Spring	42 30 3	67-4880	Stator	45 10 1
67-3940	Pin - Pressure	42 29 3	67-4890	Asm - Rear Cover	45 9 1
67-3950	Piece - Distance	42 28 3	67-4900	Terminal Set	45 11 1
67-3960	Nozzle	42 27 3	67-4910	Asm - Regulator	45 12 1
67-3970	Nut - Retaining	42 25 3	67-4920	Brush	45 13 2
67-3980	Gasket	42 26 3	67-4930	Rectifier	45 8 1
67-3990	Lever - Speed Control	43 1 1	67-5040	Spring	43 20 1
67-4000	Pin	43 2 2	67-7050	Asm - Field Rotor	33 1 1
67-4010	Stopper	43 15 1	67-7060	Ring - Retaining	33 8 1
67-4030	Rod - Tie	43 23 1	67-7070	Asm - Armature & Pulley	33 5 1
67-4040	Asm - Weight	43 13 1	67-7080	Collar - Bearing	33 6 1
67-4050	Shaft - Governor	43 19 1	67-7090	Bearing - Pulley	33 7 1
67-4060	Lever - Governor	43 18 1	67-7100	Plate - Brake	33 11 1
67-4070	Shaft - Sliding	43 16 1	67-7120	Fusible Link	4 5 1
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67-4090	Lever - Tension	43 21 1	67-7180	Wire - Seat	4 9 1
67-4120	Pin - Grooved	43 35 1	67-7250	Spacer Cyl.	26 39 1
67-4140	Lever - Stop	43 11 1	67-7300	Screw - HH	26 36 1
67-4150	Lever - Stop	43 40 1	67-9410	Washer - Flat	27 52 1
67-4160	Gasket	43 5 1	68-5140	Cap - Steering Wheel	5 7 1
67-4270	Bolt	43 3 4	68-5370	Decal - Toro	5 40 1
67-4280	Bolt W/Washer	43 17 1	68-7370	Wire - Glow	4 11 1
67-4290	Nut	43 34 1	68-7380	Asm - Connector	4 * 1
67-4310	Gasket	34 23 1	68-9400	Nut - Hex.	30 5 4
67-4330	Asm - Oil Filter	40 40 1	69-4780	Clamp - Gauge	3 18 1
67-4340	Asm - Screen	40 31 1	70-7530	Spring - Compression	11 3 1
67-4350	Switch - Oil Pressure	39 8 1	70-8530	Wire - Fuel Pump	41 46 1
67-4360	Pulley - Water Pump	39 1 1	70-8560	Retainer - Glow Plug	29 30 1
67-4380	Asm - Water Pump	39 6 1	70-8700	Pipe - Fuel Return	40 3 1
67-4390	Gasket - Water Pump	39 7 1	70-8720	Spring - Tie Rod	43 22 1
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67-4400	Bolt	39 4 1	70-8770	Bracket - Front	44 3 1
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67-4420	Fitting - Water	38 46 1	70-8870	Guide - Oil Level	40 8 1
67-4430	Gasket - Fitting	38 45 1	70-8880	Dipstick	40 5 1
67-4440	Thermostat	38 38 1	71-1520	Cap - Reservoir	29 44 1
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67-4470	Bolt	38 33 1	71-3500	Lever - Throttle	8 55 1
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67-4490	Gasket	38 30 1	72-4320	Switch	24 57 1
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67-4510	Gauge Nut - Temperature	38 35 1	72-6950	Retainer - Oil Guide	41 44 1
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67-4570	Gasket - Exhaust Manifold	38 26 1	75-0560	Wheel - Steering	5 6 1
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67-4590	Bolt	38 23 4	75-4910	Asm - Oil Pan	36 14 1
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67-4630	Asm - Alternator	45 1 1	75-4970	Element	42 8 3
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67-4660	Bolt - Flange	45 26 1	75-4990	Spring - Governor	43 25 1
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67-4700	Lamp - Glow	38 27 1	75-5020	Asm - Injector Pump	40 41 1
67-4720	Lever	44 4 1	75-5040	Kit - Gasket	36 * 1
67-4730	Spring Set	44 5 1	75-5050	Ring Set STD	34 11 3
67-4750	Switch	44 7 1	75-5060	Ring Set 0.25 mm OS	34 * 3
67-4760	Asm - Shaft	44 15 1	75-5070	Ring Set 0.50 mm OS	34 * 3
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75-6880	Spark Arrester Screen	30 * 1	92-5772	Decal Traction Pedal	2 38 1
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76-2070	Cylinder - Steering	26 40 1	92-6503	Asm - Shroud, Fan	13 19 1
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76-4790	Pad - Rubber	1 11 1	92-7892	Bracket - Seat Switch	24 51 1
76-4810	Pivot - Steering	26 28 1	92-8751	Bracket - Bearing	10 12 1
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80-3330	Gasket	24 86 1	92-8854	Bracket - Pivot	7 7 1
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85-4980	Switch - PTO	3 3 1	93-6125	Ring - Retaining	18 37 1
85-7540	Wire Harness	4 3 1	93-6668	Decal - Battery Charging	8 82 1
85-7560	Plate - Control Panel	3 16 1	93-6680	Decal - Diesel Fuel (Europe)	23 16 1
86-7220	Gear - Spur	18 36 1	93-6681	Decal - Warning (Europe)	13 12 1
86-7230	Gear - Spur	15 17 1	93-7252	Decal - CE (Europe)	2 61 1
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86-7930	Asm - Upper Housing	15 22 1	93-7276	Decal - Danger (Europe)	8 81 1
86-9640	Asm - Axle	14 22 1	93-7805	Decal - Warning (Europe)	1 17 1
92-0845	Crankshaft	34 16 1	93-7822	Decal - Refueling (Europe)	1 16 1
92-0846	Asm - Cover	38 6 1	93-7823	Decal - Oil (Europe)	2 34 1
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92-5083	Hose	21 2 1	93-9949	Guard - Fan	32 7 1
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92-5083	Hose - Hydraulic	19 49 1	93-9991	Bracket	30 10 1
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92-5540	Tread - Foot R.H.	1 31 1	94-3308	Pad - Traction Pedal Rear	7 3 1
92-5545	Cover - Tower Front	2 36 1	94-3309	Hose - Air Cleaner Inlet	23 21 1
92-5548	Shield - Pedal Stop	2 53 1	94-3533	Asm - Cover, Intake	38 5 1
92-5709	Housing	20 6 1	94-3591	Pedal - Traction	7 2 1
92-5716	Center Section	20 39 1	94-3827	Spring - Return	43 41 1
92-5717	Plug - Pipe	20 40 1	94-6934	Screw - HH	17 21 8
92-5750	Pad - Footrest	7 31 1	94-6935	Nut - Lock, Flange Hd.	17 12 8

*Not Illustrated

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94-6936	Washer - Flat	17 23 8	2412-147	R-Clamp	14 9 1
94-7343	Base - Battery	8 6 1	251-77	Collar - Locking	31 55 1
94-9432	Engine	29 18 1	251-77	Collar - Locking	10 16 1
95-1592	Angle - Base, Battery	8 84 1	251-259	Bearing - Ball	22 23 1
95-1599	Bracket - Base, Battery	9 85 1	253-129	Seal - Hub	26 27 2
95-1821	Spring	5 12 1	254-65	Cone - Tapered, Bearing	16 33 2
95-3074	Kit - 400 Hour Filter	19 * 1	254-66	Cup - Tapered, Bearing	16 32 2
95-3074	Kit - 400 Hour Filter	24 * 1	254-72	Cup - Bearing	26 20 4
95-3074	Kit - 400 Hour Filter	41 * 1	254-90	Cup - Bearing	15 24 1
95-3074	Kit - 400 Hour Filter	9 * 1	254-91	Cone - Bearing	15 25 1
95-6270	Bracket - Mount, Engine	2 66 3	254-94	Cone - Bearing	26 21 4
95-6271	Bracket - Mount, Engine	2 67 1	256-42	Bushing	5 27 4
95-6280	Asm - Frame	2 35 1	256-121	Washer - Thrust	26 16 2
95-9605	Bolt - Speed Set	43 33 1	256-156	Bushing - Flange	7 10 2
217-116	Rim - 23" x 10.5" x 12"	14 * 2	256-299	Bushing	30 36 2
217-117	Rim	14 19 2	282-27	Clevis	11 22 1
217-118	Rim	26 19 2	283-16	Pin - Clevis	11 19 1
218-446	Nut - Hex.	3 9 1	283-49	Pin - Clevis	23 8 2
218-447	Washer - Lock	3 8 1	283-58	Pin - Clevis	5 17 4
218-461	Nut - Jam	24 64 2	283-58	Pin - Clevis	11 23 1
218-473	Boot - Switch	3 11 1	283-58	Pin - Clevis	2 44 1
218-497	Nut - Face	3 12 1	283-58	Pin - Clevis	31 52 1
218-573	Fuse 5.0A	4 8 2	285-17	Plug - Pipe	20 28 4
218-574	Fuse 7.5A	4 7 1	289-6	Nipple - Pipe	16 45 1
218-579	Wire - Fuel Pump	41 47 1	2810-1	Coupler	16 46 1
219-17	Bulb - Light	4 * 4	302-5	Fitting - Grease	26 11 3
231-95	Tire - 23" x 10.5" x 12"	14 * 2	302-5	Fitting - Grease	5 30 2
231-101	Tire	14 18 2	302-5	Fitting - Grease	30 32 1
231-105	Tire	26 18 2	302-40	Fitting - Grease	31 51 1
232-27	Valve Stem w/Cap	14 21 2	302-58	Fitting - Grease	10 19 1
232-35	Stem - Valve	26 26 2	302-62	Fitting - Grease	26 50 1
233-17	Knob	5 8 1	304-46	Drain Cock	13 28 1
233-39	Knob	11 5 1	304-46	Fitting - Drain	14 36 1
233-39	Knob	8 54 1	304-99	Fitting - 90° Elbow	11 27 2
237-7	O-Ring	24 62 1	321-3	Screw - HFH	30 14 2
237-21	O-Ring	26 47 2	321-3	Screw - HH	32 2 2
237-22	O-Ring	11 11 9	321-3	Screw - HH	1 4 7
237-22	O-Ring	18 25 1	321-3	Screw - HH	5 21 1
237-22	O-Ring	5 38 2	321-3	Screw - HH	29 37 4
237-30	O-Ring	5 36 2	321-4	Screw - HH	26 8 1
237-30	O-Ring	24 58 1	321-4	Screw - HH	8 9 4
237-42	O-Ring	18 7 4	321-4	Screw - HH	23 12 4
237-42	O-Ring	11 9 6	321-4	Screw - HH	13 16 4
237-78	O-Ring	11 28 2	321-4	Screw - HH	22 21 2
237-78	O-Ring	26 45 2	321-4	Screw - HH	29 35 1
237-78	O-Ring	19 51 3	321-4	Screw - HH	11 38 2
237-78	O-Ring	19 52 3	321-4	Screw - HH	2 54 2
237-79	O-Ring	18 46 2	321-5	Screw - HH	14 16 3
237-136	Grommet	14 12 3	321-6	Screw - HH	24 69 1
241-119	Cap - Hub	26 25 2	321-8	Screw - HH	23 38 2
242-34	Stud - Axle Flange	17 9 10	321-9	Screw - HH	22 3 2
2411-36	End - Rod	7 18 1	321-11	Screw - HH	11 16 2
2412-4	R-Clamp	18 40 1	322-3	Screw - HH	14 8 1
2412-34	Clamp - Hose	13 17 4	322-3	Screw - HH	8 37 1
2412-34	Clamp - Hose	16 42 2	322-3	Screw - HH	24 72 4
2412-36	Clamp	5 34 2	322-3	Screw - HH	9 88 2
2412-36	Clamp	14 37 1	322-4	Screw	29 6 2
2412-36	Clamp - Hose	11 13 3	322-5	Screw	25 3 2
2412-42	Clamp - Hose	23 22 1	322-5	Screw - HH	5 4 2
2412-74	R-Clamp	24 52 1	322-5	Screw - HH	10 9 4
2412-92	Clamp - Hose	24 73 1	322-5	Screw - HH	23 32 5
2412-103	R-Clamp	13 22 2	322-5	Screw - HH	8 39 8
2412-104	R-Clamp	8 73 1	322-6	Screw - HH	31 50 1
2412-107	R-Clamp	24 71 1	322-6	Screw - HH	8 83 3
2412-108	Clamp	14 2 4	322-9	Screw - HH	10 24 4
2412-108	Clamp	8 52 2	322-11	Screw - HH	29 21 1
2412-108	Clamp - Hose	13 7 8	322-13	Screw - HH	23 5 6
2412-108	Clamp - Hose	23 41 4	322-14	Screw - HH	24 84 2
2412-108	Hose Clamp	18 34 4	322-17	Screw - HH	22 18 1
2412-119	Clamp - Hose	18 48 1	323-6	Screw - HH	29 25 1
2412-119	Clamp - Hose	16 47 1	323-6	Screw - HH	2 64 4
2412-133	R-Clamp	25 2 2	323-8	Screw - HH	8 3 2

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323-8	Screw - HH	29 26 1	3253-7	Washer - Lock	2 69 8
323-8	Screw - HH	20 29 2	3253-8	Washer - Lock	14 13 4
323-10	Screw - HH	10 28 2	3253-15	Washer - Lock	14 5 5
323-10	Screw - HH	20 43 4	3253-21	Washer - Lock	10 2 1
323-11	Screw - HH	8 41 3	3253-21	Washer - Lock	8 15 2
323-18	Screw - HH	10 1 1	3253-21	Washer - Lock	18 31 4
323-29	Screw - HH	7 17 1	3254-2	Washer - Lock, Int. Tooth	29 48 1
323-34	Screw - HH	30 43 1	3254-9	Washer - Lock, Int. Tooth	22 10 2
323-39	Screw - HH	18 28 3	3254-20	Washer - Lock, Int. Tooth	3 25 1
324-5	Screw - HH	14 24 4	3255-8	Washer - Lock	15 3 8
324-23	Screw - HH	20 35 2	3255-8	Washer - Lock	1 12 4
325-5	Screw - HH	26 6 2	3255-8	Washer - Lock	8 46 1
328-25	Screw - HH	26 41 1	3255-8	Washer - Lock, Ext. Tooth	23 39 1
3210-5	Screw - HH	18 12 4	3255-20	Washer - Lock, Ext. Tooth	3 22 2
3210-7	Screw - HH	22 4 1	3256-1	Washer - Flat	3 21 4
3210-7	Screw - HH	15 23 8	3256-14	Washer - Flat	3 28 4
3210-8	Screw - HH	18 24 2	3256-22	Washer - Flat	11 7 2
3212-5	Screw	30 25 1	3256-22	Washer - Flat	13 15 4
3213-3	Screw - HH	2 68 8	3256-22	Washer - Flat	23 18 9
3216-3	Screw - HH	11 32 2	3256-22	Washer - Flat	5 35 3
3217-5	Nut - Hex.	29 47 1	3256-22	Washer - Flat	26 51 1
3217-16	Nut - Hex.	22 11 2	3256-23	Washer - Flat	25 4 2
3217-25	Nut - Hex.	3 23 2	3256-23	Washer - Flat	11 1 1
3217-29	Nut - Hex.	13 37 2	3256-23	Washer - Flat	5 1 4
3218-3	Nut - Jam	18 42 2	3256-23	Washer - Flat	23 3 6
3218-19	Nut - Jam	3 4 2	3256-23	Washer - Flat	22 19 2
3219-2	Nut	15 2 8	3256-23	Washer - Flat	30 19 4
3219-2	Nut - Hex.	22 6 1	3256-23	Washer - Flat	29 20 1
3219-6	Nut - Hex.	14 31 4	3256-23	Washer - Flat	5 42 2
3219-14	Nut - Hex.	3 26 9	3256-24	Washer - Flat	23 7 1
3220-2	Nut - Jam	30 21 1	3256-24	Washer - Flat	7 12 1
3220-2	Nut - Jam, RH Thread	11 21 1	3256-24	Washer - Flat	30 22 2
3220-3	Nut - Jam	7 16 1	3256-24	Washer - Flat	29 27 1
3220-3	Nut - Jam	26 43 8	3256-24	Washer - Flat	18 44 1
3220-5	Nut - Jam R.H.	26 33 2	3256-24	Washer - Flat	27 56 2
3220-6	Nut	6 27 1	3256-24	Washer - Flat	8 4 4
3220-6	Nut - Hex.	5 5 1	3256-25	Washer - Flat	14 23 4
3220-7	Nut - Jam	26 23 2	3256-26	Washer - Flat	11 2 2
3220-7	Nut - Jam	19 50 1	3256-26	Washer - Flat	18 2 1
3220-12	Nut - Jam L.H.	26 31 2	3256-26	Washer - Flat	5 14 1
3230-2	Bolt - Carriage	29 13 1	3256-27	Washer - Flat	23 45 1
3230-2	Bolt - Carriage	7 25 2	3256-40	Washer - Flat	2 70 8
3230-2	Bolt - Carriage	22 12 2	3256-67	Washer - Flat	14 14 3
3230-4	Bolt - Carriage	10 11 2	3256-69	Washer - Flat	5 45 A/R
3230-4	Bolt - Carriage	30 35 2	3256-69	Washer - Flat	24 77 1
3230-23	Bolt - Carriage	29 9 2	3256-71	Washer - Flat	18 21 4
3230-23	Bolt - Carriage	1 28 4	3257-5	Key - Woodruff	10 6 1
3234-5	Screw - HFH	13 8 8	3257-5	Key - Woodruff	20 11 2
3234-13	Screw - HF	1 24 8	3258-19	Screw - HH	23 30 2
3234-13	Screw - HFH	26 12 2	3269-10	Washer - Flat	13 29 3
3234-13	Screw - HFH	8 74 1	3269-13	Rivet	13 31 3
3234-14	Screw - HF	1 21 8	3272-4	Pin - Cotter	24 75 2
3234-17	Screw - HFH	13 4 2	3272-5	Pin - Cotter	5 13 3
3234-17	Screw - HFH	23 15 2	3272-5	Pin - Cotter	11 20 1
3234-25	Screw - HFH	26 1 4	3272-6	Pin - Cotter	7 14 1
3234-29	Screw - HFH.	30 7 1	3272-10	Pin - Cotter	18 4 1
3234-30	Screw - HH	9 86 2	3272-10	Pin - Cotter	7 9 2
3241-6	Screw - Set	18 13 2	3272-10	Pin - Cotter	5 18 5
3245-35	Screw - Set	10 27 1	3272-10	Pin - Cotter	11 39 1
3245-35	Screw - Set	31 56 1	3272-10	Pin - Cotter	2 46 1
3249-3	Screw - Rd. Hd.	13 36 2	3272-10	Pin - Cotter	31 53 1
3249-11	Screw - Round Hd.	22 8 2	3272-11	Pin - Cotter	23 6 2
3250-39	Screw - Pan Head	30 18 2	3272-13	Pin - Cotter	26 24 2
3253-2	Washer - Lock	3 27 10	3272-15	Pin - Cotter	10 26 1
3253-3	Washer - Lock	11 8 2	3272-17	Pin - Cotter	14 32 2
3253-3	Washer - Lock	8 10 4	3272-23	Pin - Cotter	11 29 4
3253-3	Washer - Lock	23 13 2	3273-38	Screw - HSH	14 34 4
3253-3	Washer - Lock	14 15 3	3274-32	Screw - HSBH	1 13 4
3253-3	Washer - Lock	29 36 5	3274-65	Screw - HSBH	3 2 4
3253-4	Washer - Lock	10 10 4	3290-255	Pin - Hair, Cotter	23 11 1
3253-4	Washer - Lock	24 85 2	3290-271	Rivet	13 13 2
3253-4	Washer - Lock	9 87 2	3290-271	Rivet	2 48 4

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3290-378	Tie - Cable	8 75 1	32128-20	Nut - Flange	23 26 9
3290-378	Tie - Cable	24 61 1	32128-20	Nut - Flange	8 72 5
3296-2	Nut - Lock	3 19 1	32128-20	Nut - Lock	13 3 6
3296-6	Nut - Lock	33 9 3	32128-20	Nut - Lock	14 10 1
3296-9	Nut - Lock	30 15 2	32128-28	Nut - Lock	31 54 1
3296-12	Nut - Hex.	2 49 4	32128-33	Nut - Flange	1 6 13
3296-12	Nut - Lock	24 49 4	32128-33	Nut - HFH	24 76 2
3296-15	Nut - Lock	11 24 2	32128-44	Nut - Flange, Lock	7 28 2
3296-20	Nut - Lock	5 2 4	32128-45	Nut - HFH	26 49 1
3296-25	Nut - Lock	26 4 2	32128-56	Nut - Flange	7 24 2
3296-29	Nut - Lock	30 9 1	32144-1	Screw - HH	3 20 2
3296-29	Nut - Lock	5 10 2	32144-21	Screw - PPH	5 41 1
3296-29	Nut - Lock	29 12 3	32148-6	Nut - Clinch	24 78 6
3296-29	Nut - Lock	22 20 3	32148-7	Nut - Clinch	2 59 22
3296-29	Nut - Lock	10 21 4	32148-8	Nut - Clinch	8 80 6
3296-29	Nut - Lock	8 25 8	32148-9	Nut - Clinch	2 58 3
3296-29	Nut - Lock	11 40 1	32148-9	Nut - Clinch	24 79 2
3296-39	Nut - Lock	10 8 2	32148-10	Nut - Clinch	2 60 10
3296-39	Nut - Lock	7 21 1	32148-11	Nut - Clinch	11 41 2
3296-39	Nut - Lock	29 22 2	32148-11	Nut - Clinch	8 77 2
3296-39	Nut - Lock	8 24 3	32148-33	Nut - Flange Head	8 78 1
3296-39	Nut - Lock	18 39 2	32149-1	Nut - Keps	30 31 2
3296-42	Nut - Lock	22 1 4	32149-1	Nut - Lock	10 15 2
3296-42	Nut - Lock	23 4 3	32149-7	Nut - Keps	29 46 2
3296-42	Nut - Lock	32 4 2	32151-36	Ring - Retaining	26 15 2
3296-42	Nut - Lock	26 5 1	32151-46	Ring - Retaining	20 1 2
3296-42	Nut - Lock	13 11 4	32151-77	Ring - Retaining	27 53 1
3296-42	Nut - Lock	30 11 2	32151-83	Snap Ring	30 47 2
3296-42	Nut - Lock	5 25 1	32152-5	Nut - Lock	18 14 6
3296-42	Nut - Lock	11 34 2	32153-2	Nut - Lock (Europe)	2 62 4
3296-48	Nut - Lock	14 17 4	32153-6	Nut - Hex Lock	26 38 1
3296-51	Nut - Lock	26 29 1	340-2	Fitting - Straight	11 10 1
3296-59	Nut - Lock	30 23 1	340-70	Nut - Fitting	11 35 1
32105-1	Screw	3 17 1	340-71	Fitting - Bulkhead	11 36 1
32105-8	Screw	29 45 2	340-77	Fitting - 90° Elbow	11 * 1
32105-13	Screw - HH	23 2 4	340-77	Fitting - 90° Elbow	11 17 2
32107-11	Nut - Square	23 28 2	340-86	Fitting - Tee	11 26 1
32120-10	Ring - Retaining	29 4 1	340-92	Fitting - Straight	26 46 1
32121-6	Pin - Roll	7 4 1	340-103	Fitting - 45° Elbow	26 44 1
32121-6	Pin - Roll	23 46 1	353-508	Asm - Plug	12 14 1
32121-15	Pin - Roll	16 34 1	353-781	Fitting 90°	8 11 1
32121-32	Pin - Roll	30 39 1	353-783	Fitting - Straight	8 44 1
32121-34	Pin - Roll	10 23 1	353-979	Hose Barb	18 8 1
32121-49	Pin - Spring	14 26 2	353-988	Plug - Hydraulic	19 55 1
32121-50	Pin - Roll	5 24 1	353-990	Plug - Hydraulic	19 56 1
32121-50	Pin - Roll	7 32 1	354-20	Block	13 32 1
32121-71	Pin - Spring	14 27 2	354-21	Fitting	13 34 1
32121-91	Pin	20 14 3	354-22	Fitting	13 33 2
32122-24	Screw - Machine	14 4 5	354-71	Pipe Nipple	16 43 1
32128-20	Nut - Flange	29 8 3			

PRODUCT CHANGES

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

IDENTIFICATION AND ORDERING

MODEL AND SERIAL NUMBERS

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

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

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

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

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MAINTENANCE RECORD

[illegible]

Compliance with Radio Interference Regulations Certified.
Certifie Conforme au Reglement sur le Brouillage Radioelectrique.

Litho in U.S.A.