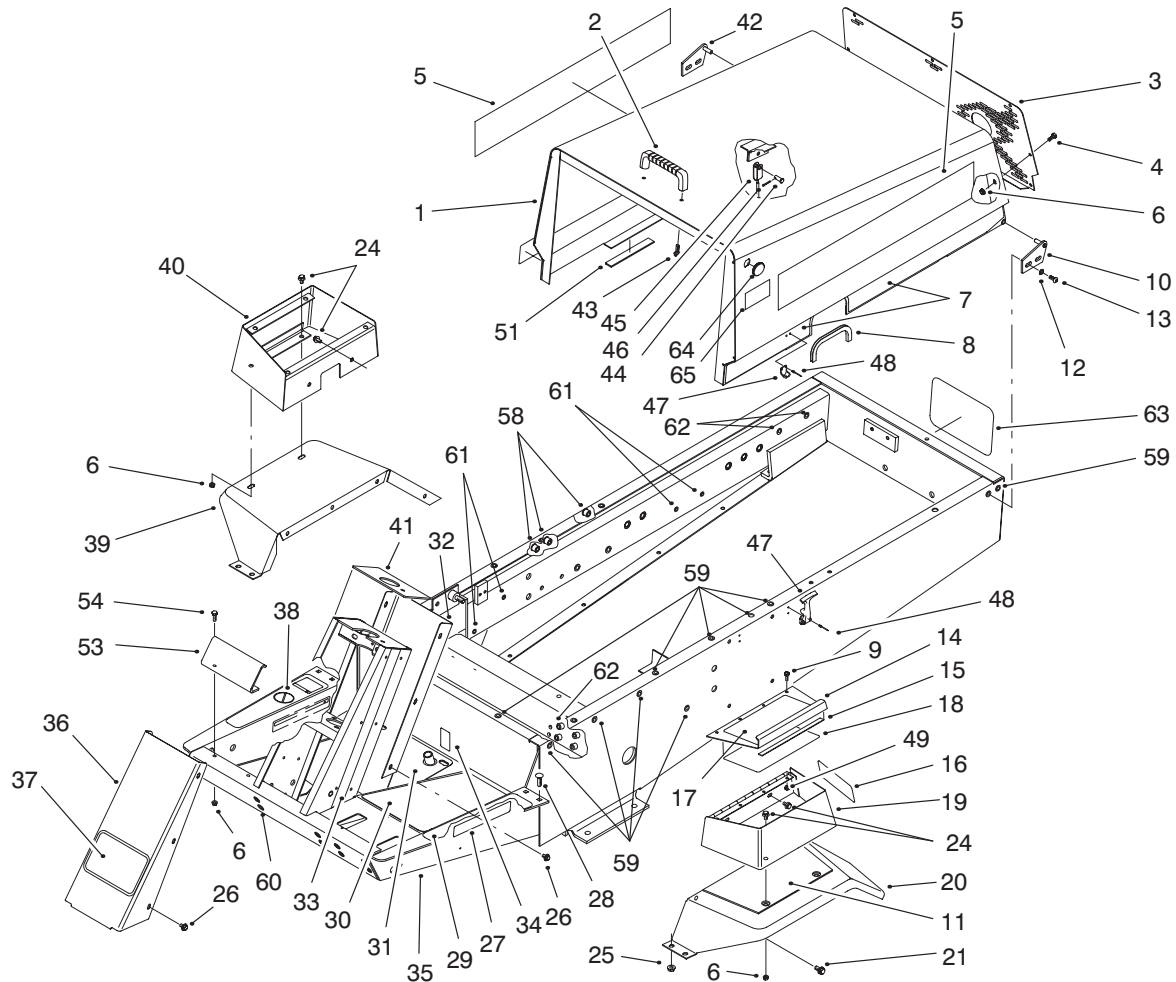


TORO®

Model No. 30230-200000001 & Up

**PARTS
CATALOG****GROUNDMASTER® 225
TRACTION UNIT**

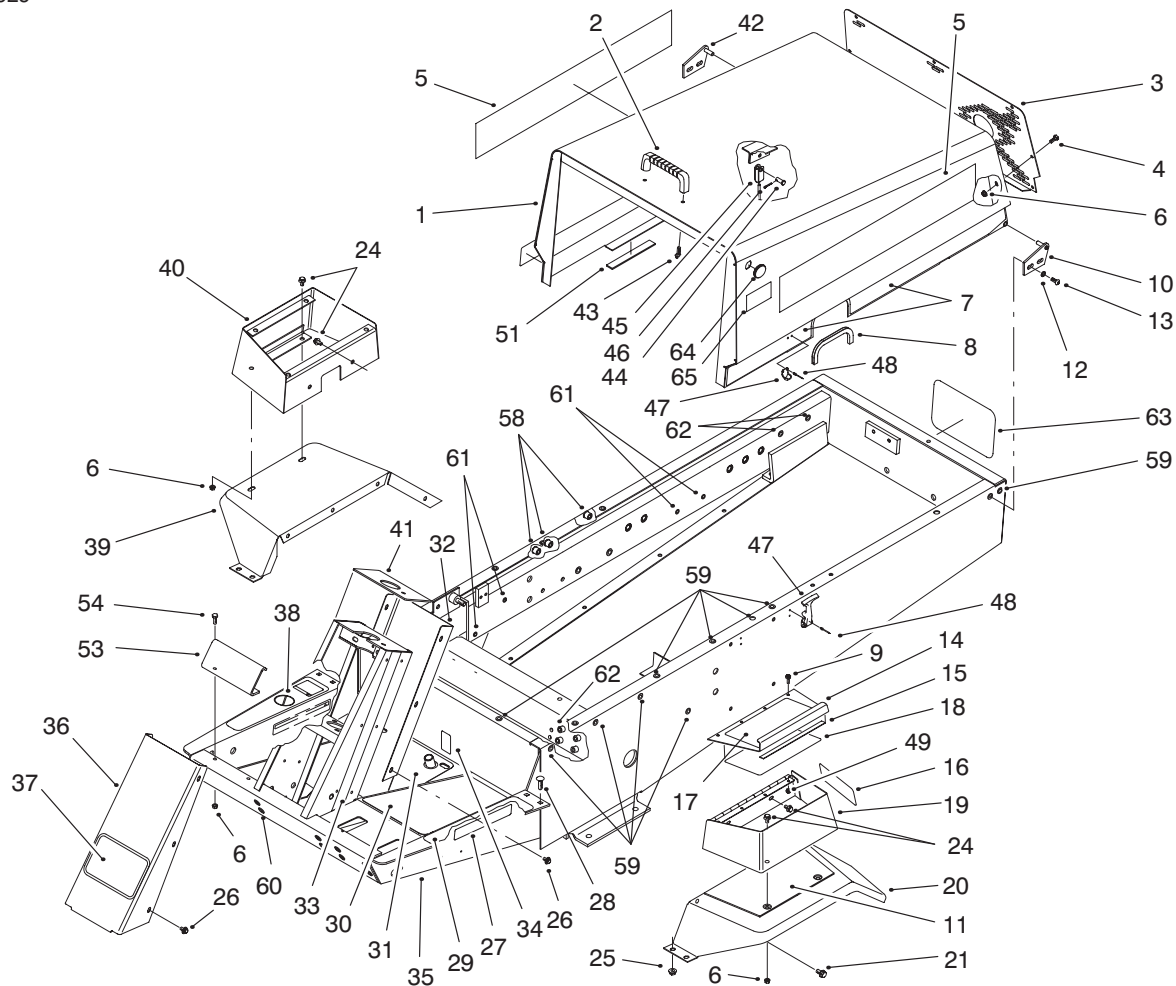
T-3462

Body Assembly

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	100-6571	Asm-Hood (Incl. Ref. 64, 65)	1	16	27-7310	Decal-Over Fill Caution	1
2	65-5100	Handle-Hood	1	17	92-8797	Decal-Warning	1
3	63-7030	Screen-Hood	1	18	95-3008	Decal-Service	1
4	321-3	Screw-HH	7	19	92-6501	Asm-Tool Box (Incl. Ref. #16)	1
5	95-3024	Decal-GM 225	2	20	63-7310	Fender LH	1
6	32128-33	Nut-Flange Hd.	13	21	3234-14	Screw-HFH	8
7	93-3193	Decal-Hood LH	1	24	3234-13	Screw-HFH	8
*	93-3192	Decal-Hood RH	1	25	32128-20	Nut-Flange	4
8	66-8110	Trim-Hood	1	26	46-6810	Screw-HH	13
9	3290-359	Screw-Machine	4	27	67-1720	Decal-Caution	2
10	63-6900	Plate-Hinge LH	1	28	3230-23	Bolt-CARR	4
11	76-4790	Pad-Rubber	1	29	66-3200	Tread-Foot Rest LH	1
12	3255-8	Washer-Lock	4	30	66-3210	Tread-Foot LH	1
13	3274-32	Screw-HSH	4	31	92-5540	Tread-Foot RH	1
14	66-3040	Cover-Tool Box	1	32	63-7320	Cover-Tower Rear	1
15	66-3050	Strip-Magnetic	1				

*Not Illustrated

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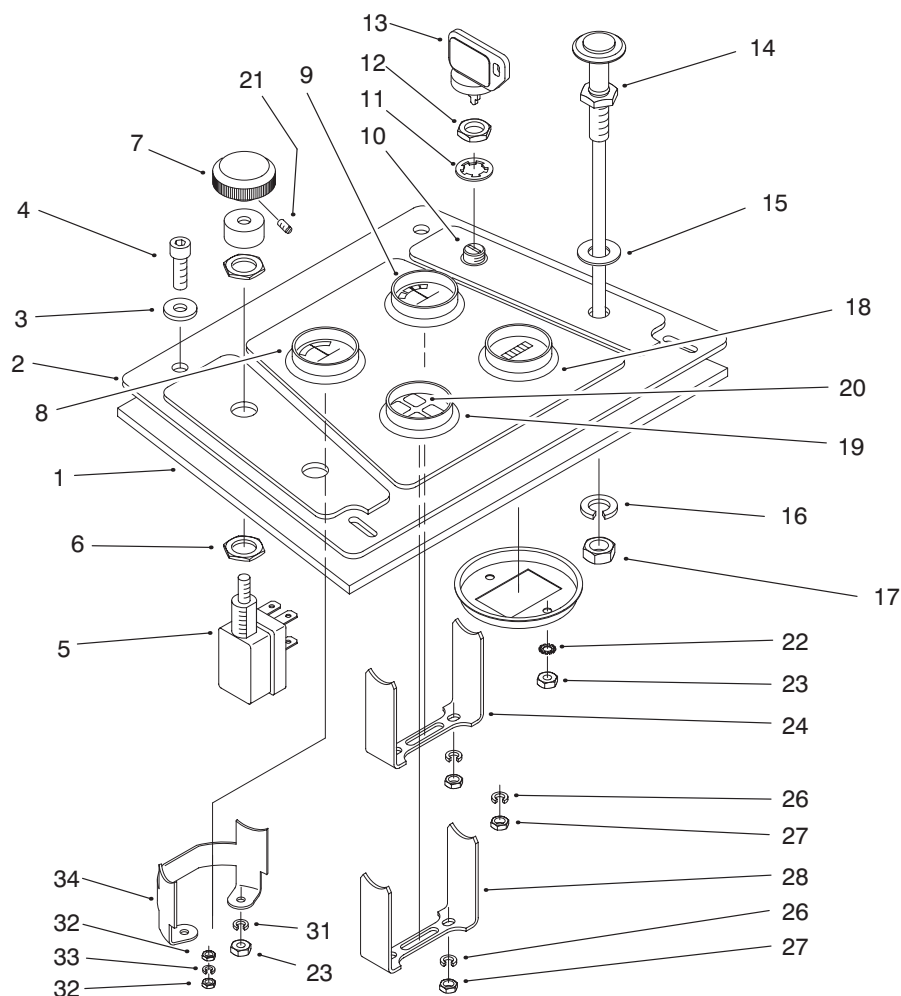
T-3462

Body Assembly (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
33	66-8760	Decal-Tower LH	1	46	3272-10	Pin-Cotter	1
*66	8770	Decal-Tower RH	1	47	59-9740	Asm-Flexible Draw Latch	1
34	53-4430	Decal-Oil	1	48	3290-271	Rivet	4
35	95-6280	Asm-Frame (Incl. Ref. #27, 29-31, 34, 38 & 58-63)	1	49	3296-12	Nut-Lock	4
36	92-5545	Cover-Tower Front	1	51	82-8950	Foam	2
37	62-5550	Decal-TORO	1	53	92-5548	Shield-Pedal Stop	1
38	92-5772	Decal-Traction Pedal	1	54	321-4	Screw-HH	2
39	63-7300	Fender-RH	1	†58	32148-9	Nut-Clinch	3
40	63-8050	Box-Control	1	†59	32148-7	Nut-Clinch	22
41	100-6581	Plate-Tower	1	†60	32148-10	Nut-Clinch	14
42	63-6890	Plate-Hinge RH	1	†61	32148-11	Nut-Clinch	4
43	46-8091	Screw-HH	2	†62	32148-8	Nut-Clinch	8
44	283-58	Pin-Clevis	1	63	62-7400	Decal-Toro	1
45	66-2870	Cable-Hood Stop	1	64	98-9314	Grommet	1
				65	100-6574	Decal-Warning	1

*Not Illustrated

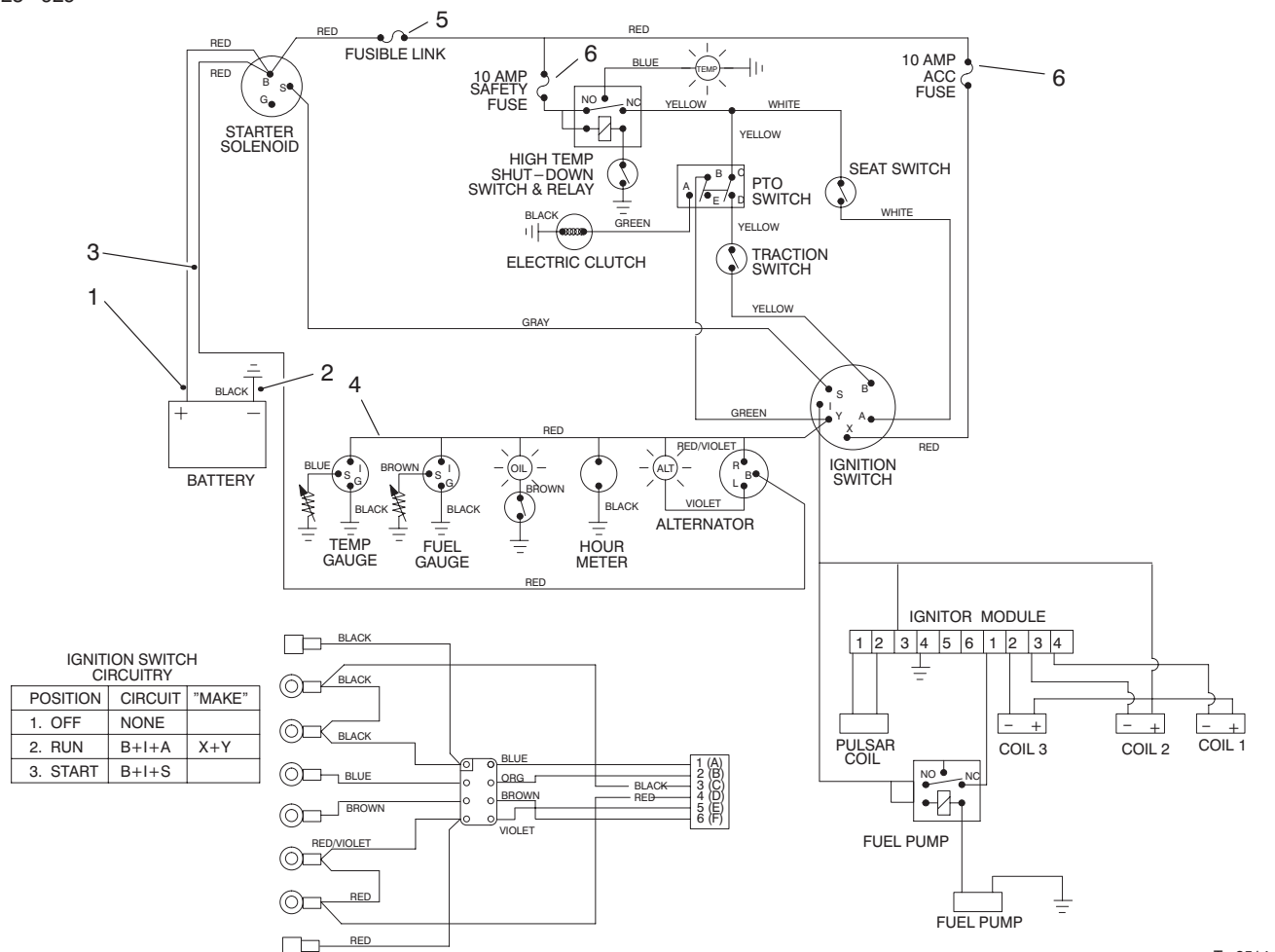
†Special tool required for installation.



T-3463

Control Panel Assembly

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	85-7560	Plate-Control Panel	1	16	3253-21	Washer-Lock	1
2	95-3009	Panel-Control	1	17	3220-3	Nut-Jam	1
3	3256-1	Washer-Flat	4	18	66-2950	Meter-Hour (Incl. Ref. #22 & 23)	1
4	3274-65	Screw-HSH	4	19	93-7053	Cluster-Warning Light (Incl. Ref. #20 & 28-30)	1
5	95-6309	Asm-PTO Switch (Incl. Ref. #6, 7 & 21)	1	20	219-17	Bulb-Light	4
6	3218-19	Nut-Hex.	2	21	3298-8	Screw-Set	1
7		Knob-Switch	1	22	3254-1	Washer-Lock	2
8	92-9211	Gage-Temperature (Incl. Ref. #23 & 31-34)	1	23	3217-27	Nut-Hex.	4
9	66-2940	Gage-Fuel (Incl. Ref. #24-27)	1	24		Clamp	1
10	27-2360	Asm-Ignition Switch (Incl. Ref. #11-12)	1	25	3256-14	Washer-Flat	2
11	218-447	Washer-Lock	1	26	3255-24	Washer-Lock	5
12	218-446	Nut-Hex.	1	27	3217-27	Nut-Hex.	6
13	63-8360	Key-Ignition	1	28		Clamp-Light	1
14	94-9425	Control-Choke	1	31	3253-15	Washer-Lock	2
15	3256-24	Washer-Flat	1	32	3219-29	Nut-Hex.	6
				33	3253-19	Washer-Lock	3
				34		Clamp	1

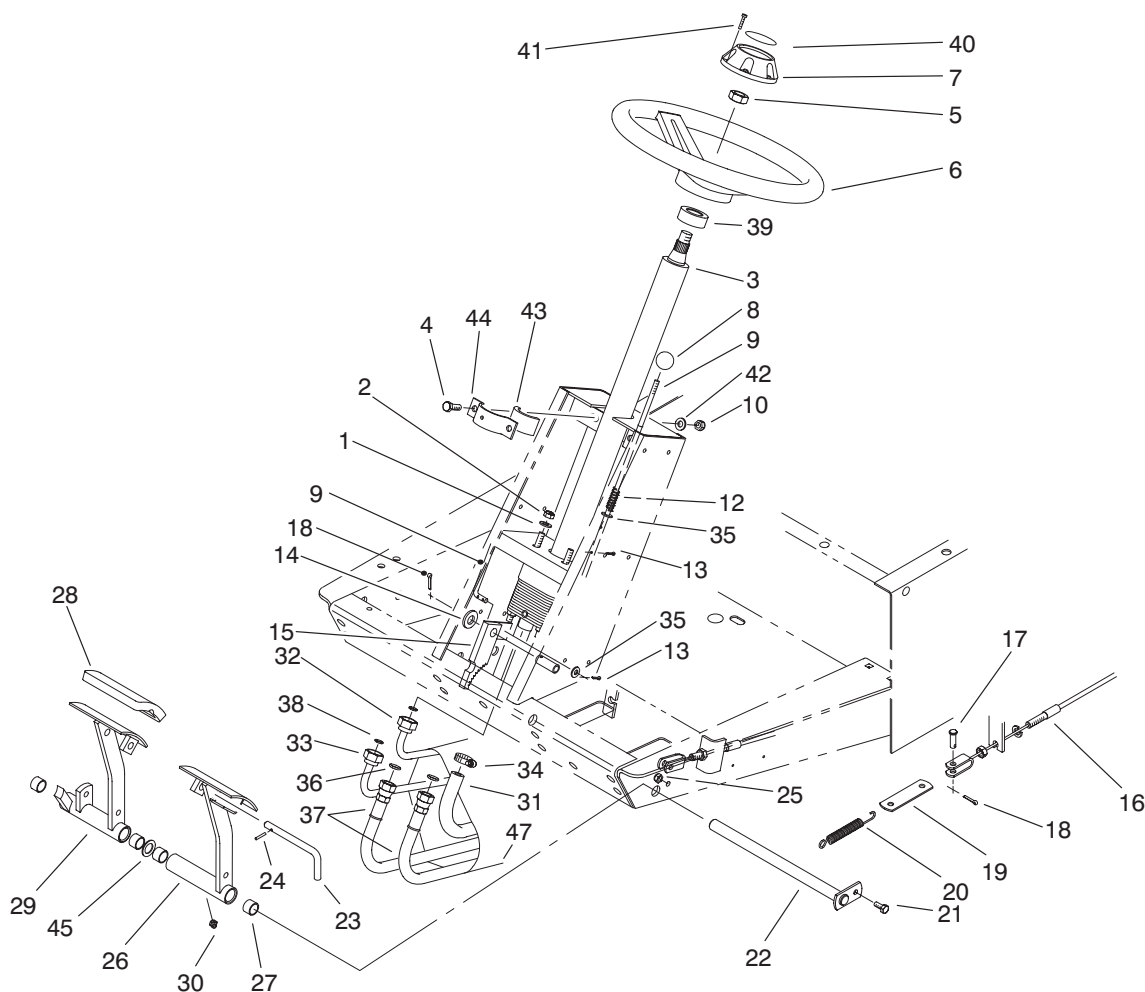


T-2514-1

Electrical Schematic

Ref. No.	Part No.	Description	No. Used
1	95-4410	Wire-Positive	1
2	63-7340	Wire-Ground	1
3	95-1674	Asm-Wire Harness (Incl. Ref. #5, 6 & 7)	1

Ref. No.	Part No.	Description	No. Used
4	95-1675	Asm-Lamp Wire Harness	1
5	67-7120	Link-Fusible	1
6	218-578	Fuse 10.0 Amp	2

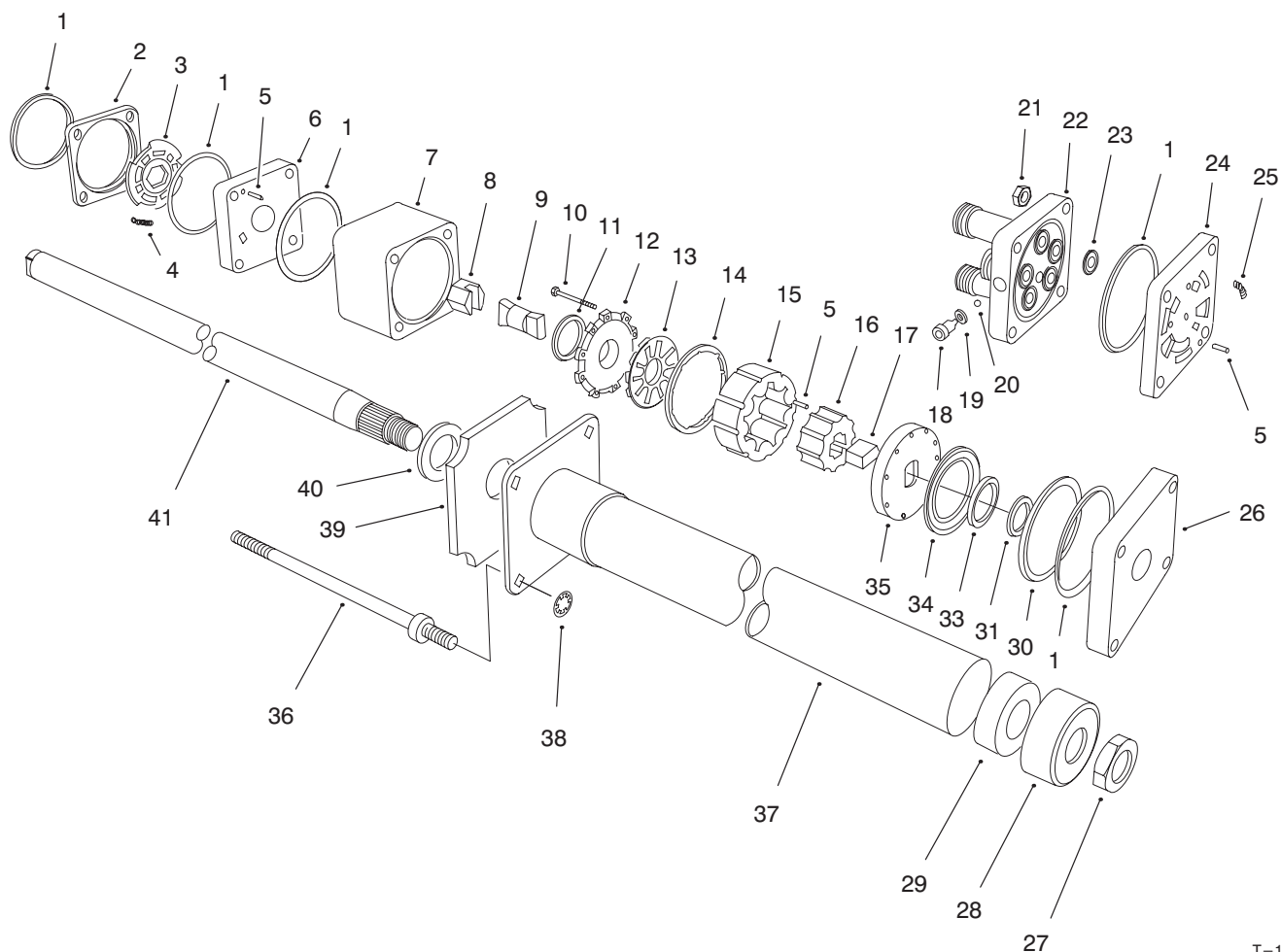


T-1247-4

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	Asm-Power Steering Valve (Incl. Ref. #7)	1	26	63-6180	Asm-Brake Pedal, LH (Incl. Ref. #27 & 30)	1
4	322-5	Screw-HH	2	27	256-42	Bushing	4
5	3220-6	Nut-Hex.	1	28	93-8742	Foot Pad-Brake	2
6	75-0560	Asm-Steering Wheel (Incl. Ref. #7 & 41)	1	29	63-6190	Asm-Brake Pedal, RH (Incl. Ref. #27 & 30)	1
7	68-5140	Asm-Steering Wheel Cap (Incl. Ref. #41)	1	30	302-5	Fitting-Grease	2
8	233-17	Knob	1	31	66-8140	Hose	1
9	63-7910	Rod-Brake Latch	1	32	66-8630	Tube-Hydraulic (Str.-Lift)	1
10	3296-29	Nut-Lock	2	33	66-8620	Tube Hydraulic (Pump-Str.)	1
12	95-1821	Spring	1	34	2412-36	Clamp	2
13	3272-5	Pin-Cotter	3	35	3256-22	Washer-Flat	3
14	3256-26	Washer-Flat	1	36	237-30	O-Ring	2
15	63-7900	Rack-Brake	1	37	66-8170	Hose-Hydraulic	2
16	63-7730	Cable-Brake RH	1	38	237-22	O-Ring	2
*	63-7731	Cable-Brake LH	1	39	21-9260	Cover-Dust	1
17	283-58	Pin-Clevis	4	40	68-5370	Decal-Toro	1
18	3272-10	Pin-Cotter	5	41	32144-21	Screw-PPH	1
19	63-6750	Link-Brake Cable	2	42	3256-23	Washer-Flat	2
20	3-7243	Spring-Return	2	43	84-7670	Foam-Column Support	2
21	321-3	Screw-HH	1	44	84-7660	Clamp-Column	1
22	63-6210	Pin-Brake	1	45	3256-69	Washer-Flat	AR
23	63-7880	Pin-Brake Latch	1	47	44-8530	Sock-Hose	1

*Not Illustrated



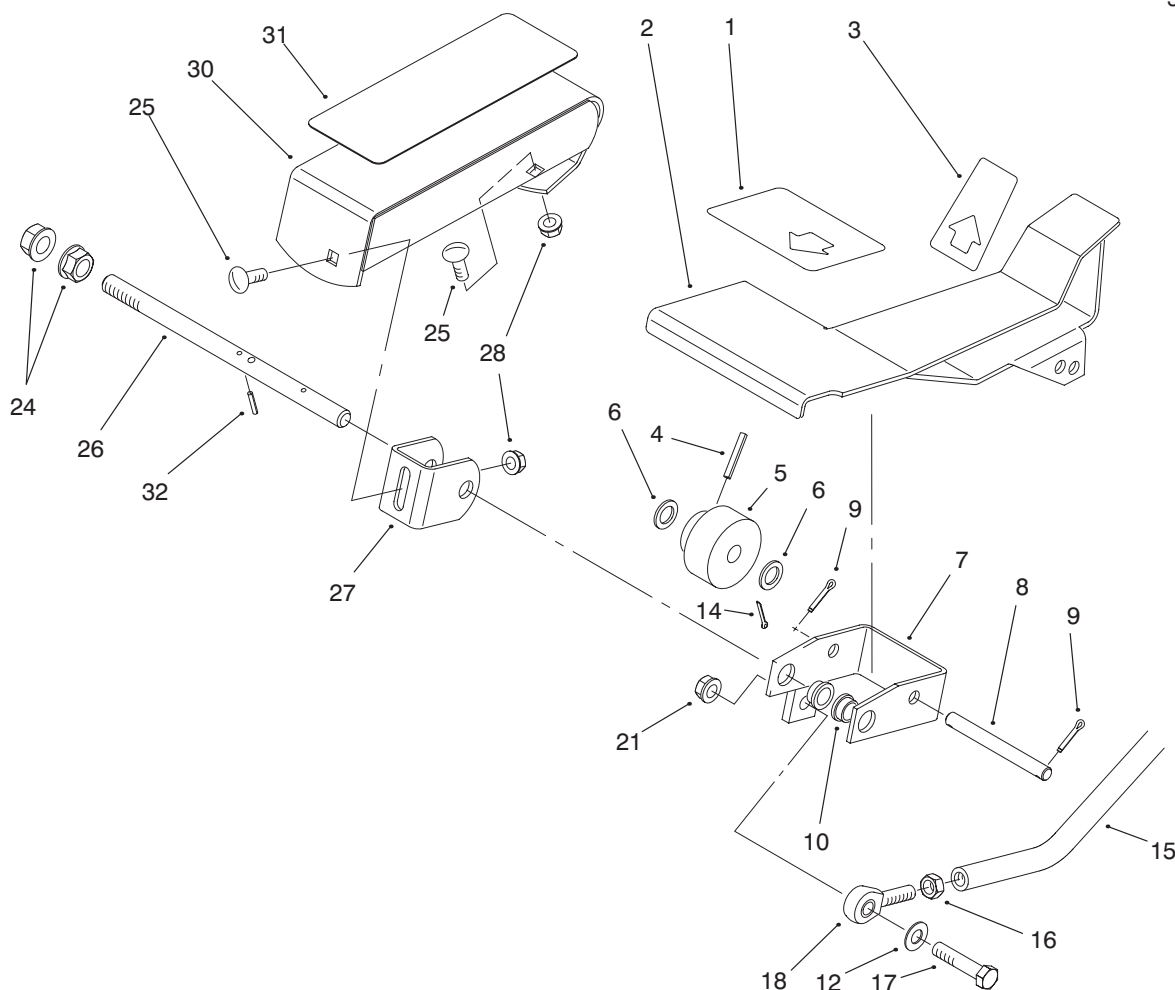
T-1760

Steering Valve Assembly No. 92-7308

Ref. No.	Part No.	Description	No. Used
1		Ring-Seal	5
2		Ring-Valve	11
3		Plate-Valve	1
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-Thrust Bearing	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	1
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, 31 & 33)	1
*	66-9990	Kit-Needle Roller (Incl. Ref. #5)	1
*	92-7314	Asm-Column (Incl. Ref. #27-29 & 37-41)	1

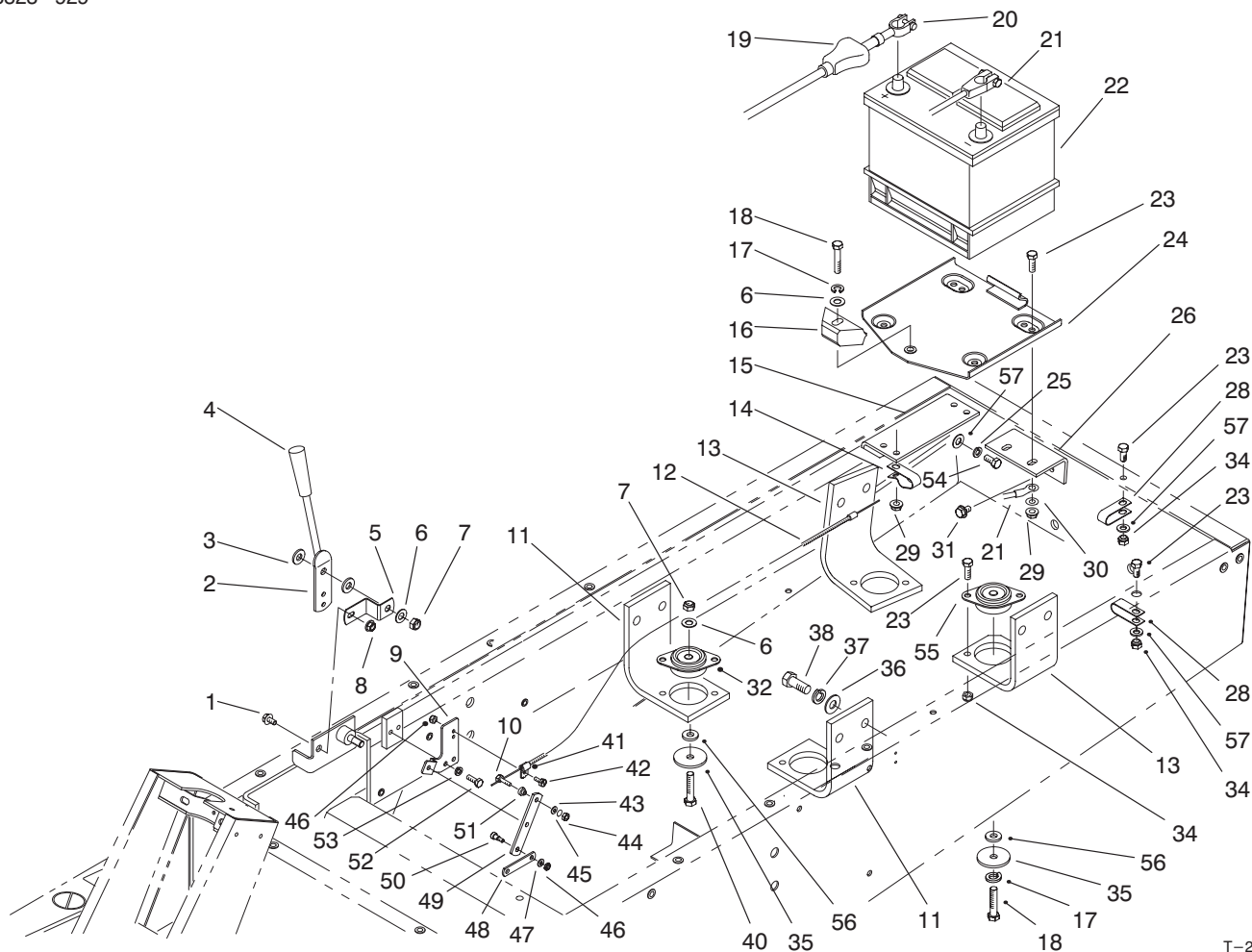
*Not Illustrated



T-1806-2

Traction Pedal Assembly

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	94-3307	Pad-Traction Pedal Front	1	16	3220-3	Nut-Jam	1
2	94-3591	Pedal-Traction	1	17	323-29	Screw-HH	1
3	94-3308	Pad-Traction Pedal Rear	1	18	2411-36	End-Rod	1
4	32121-6	Pin-Roll	1	21	3296-39	Nut-Lock	1
5	28-5220	Wheel-Friction	1	24	32128-56	Nut-Flange	2
6	5-7570	Washer	2	25	3230-2	Bolt-CARR	2
7	92-8854	Bracket-Pivot	1	26	92-5534	Shaft-Traction Pedal	1
8	92-5537	Pin-Pedal, Pivot	1	27	92-5077	Bracket-Footrest	1
9	3272-10	Pin-Cotter	2	28	32128-44	Nut-Flange, Lock	2
10	256-156	Bushing-Flange	2	30	92-5514	Footrest	1
12	3256-24	Washer-Flat	1	31	92-5750	Pad-Footrest	1
14	3272-6	Pin-Cotter	1	32	32121-50	Pin-Roll	1
15	63-6410	Rod-Pump Control	1				



T-2515-4

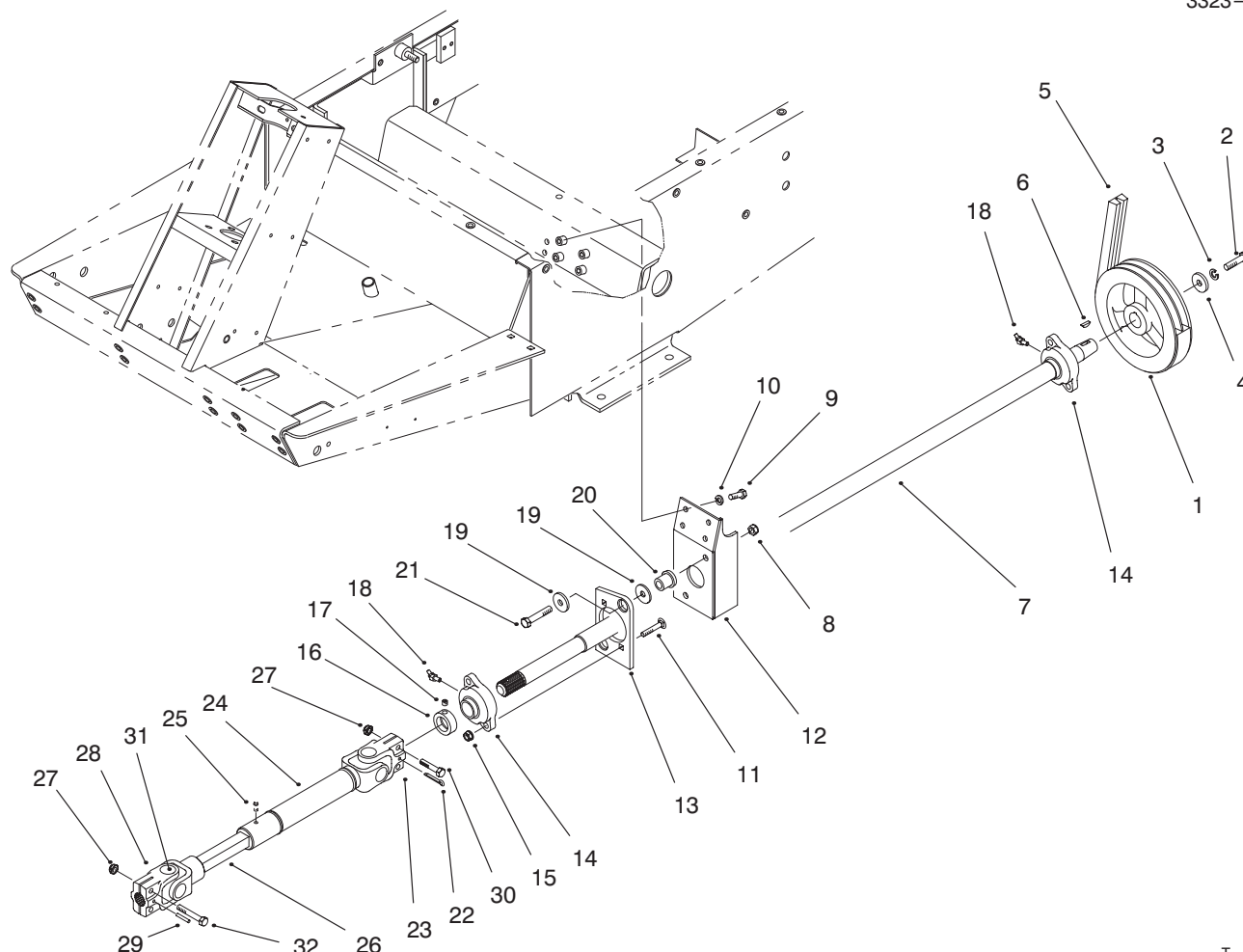
Battery & Engine Mount Assembly

Ref. No.	Part No.	Description	No. Used
1	3234-13	Screw-HFH	1
2	71-3500	Lever-Throttle	1
3	66-2920	Washer-Friction	2
4	233-39	Knob	1
5	66-2670	Bracket-Throttle	1
6	3256-24	Washer-Flat	5
7	3296-39	Nut-Lock	4
8	32128-33	Nut-Flange	1
9	94-6968	Bracket-Bellcrank, Throttle	1
10		Screw-Special	1
11	95-6270	Bracket-Mount, Engine	2
12	94-9426	Cable-Throttle	1
13	95-6272	Bracket-Mount, Engine RH	2
14	92-5753	Clamp-R	1
15	95-1592	Angle-Base, Battery	1
16	66-2490	Clamp-Retainer, Battery	1
17	3253-21	Washer-Lock	2
18	323-9	Screw-HH	2
19	28-1280	Boot-Cable, Positive	1
20	95-4410	Cable-Positive, Battery	1
21	63-7340	Wire-Ground	1
†22		Battery-Type 26 SMF-5	1
23	322-5	Screw-HH	13
24	94-7343	Base-Battery	1
25	3253-4	Washer-Lock	2
26	95-1599	Bracket-Base, Battery	1
28	98-3883	Clamp	2
29	32128-20	Nut-Flange	3

Ref. No.	Part No.	Description	No. Used
30	3255-8	Washer-Lock, Int. Tooth	1
31	3234-30	Screw-Flange	2
32	63-7140	Mount-Shock	3
34	3296-29	Nut-Lock	10
35	63-7400	Washer-Rebound	4
36	3256-40	Washer-Flat	8
37	3253-7	Washer-Lock	8
38	3213-2	Screw-HH	8
40	323-11	Screw-HH	3
41	2412-58	Clamp	1
42	32105-8	Screw	1
43		Washer-Flat	1
44		Nut-Hex.	1
45		Washer-Lock, Int. Tooth	1
46	3296-12	Nut-Lock	4
47	3256-51	Washer-Flat	3
48	94-9420	Link-Throttle	1
49	94-9421	Bellcrank-Throttle	1
50	94-9422	Screw-Shoulder	3
51		Sleeve-Connector	1
52	321-4	Screw-HH	2
53	3253-3	Washer-Lock	2
54	322-6	Screw-HH	2
55	63-7141	Mount-Engine	1
*	63-6760	Asm-Swivel (Incl. Ref. #10, 43-45 & 51)	1
56	80-7730	Spacer	4
57	3256-23	Washer	4

*Not Illustrated

† Obtain locally.

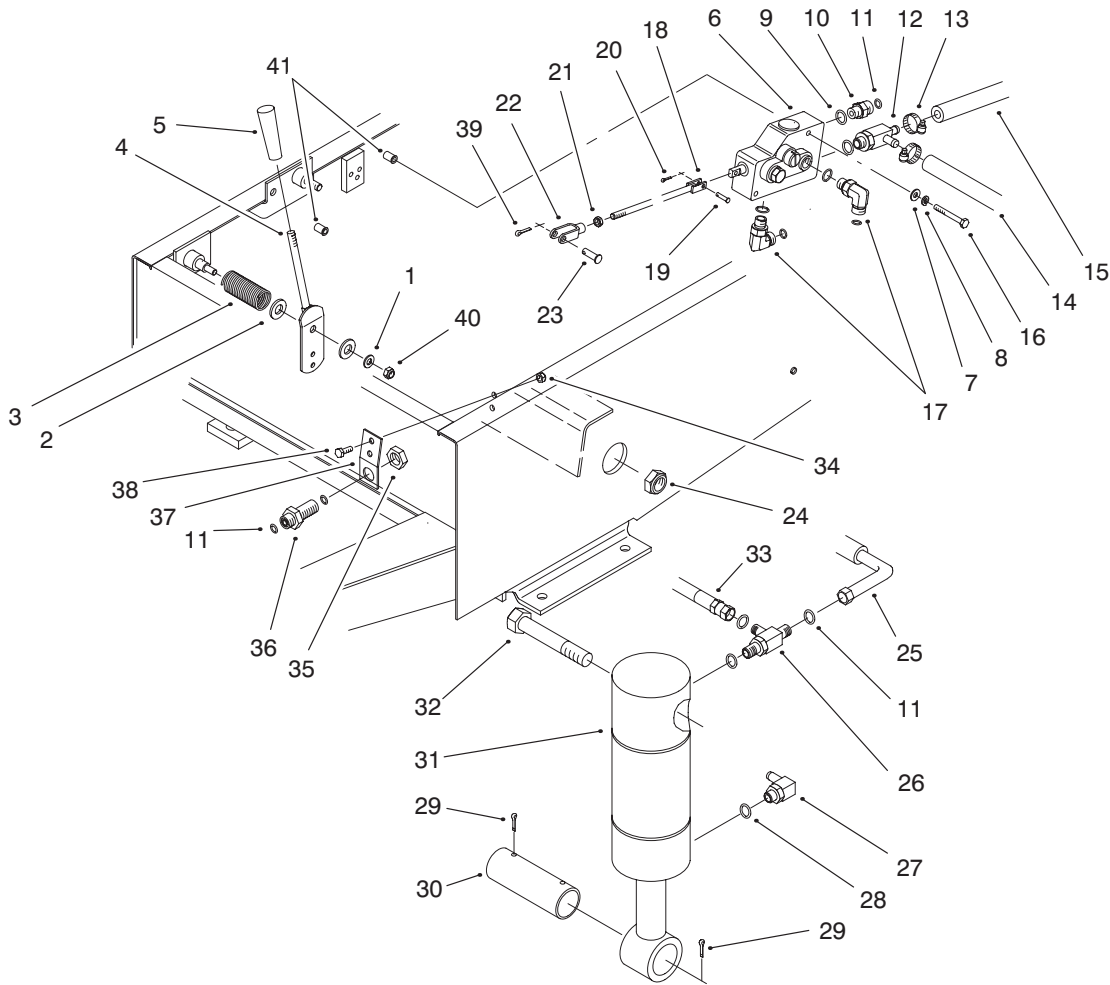


T-2522-3

POWER TAKE-OFF & SHAFT ASM

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	94-7422	Pulley-PTO	1	18	302-40	Fitting-Grease	2
2	323-18	Screw-HH	1	19	63-8410	Washer-Flat	4
3	3253-21	Washer-Lock	1	20	63-9750	Mount	2
4	29-4730	Washer-PTO	1	21	323-10	Screw-HH	2
5	63-6240	Belt-PTO	1	22	3272-15	Pin-Cotter	1
6	3257-5	Key-Woodruff	1	23	54-9090	Yoke-End	1
7	92-8855	Shaft-PTO	1	24	54-9170	Tube-Slip Yoke	1
8	3296-39	Nut-Lock	2	25	302-58	Fitting-Grease	1
9	322-5	Screw-HH	4	26	54-9050	Shaft-Slip Yoke	1
10	3253-4	Washer-Lock	4	27	3296-29	Nut-Lock	4
11	3230-4	Bolt-CARR	2	28	54-9040	Yoke-End	1
12	92-8751	Bracket-PTO Bearing	1	29	32121-34	Pin-Roll	1
13	84-7580	Plate-Bushing Support	1	30	322-9	Screw-HH	2
14	92-8799	Asm-PTO Bearing, Shaft (Incl. Ref. #16, 17 & 18)	2	31	54-9180	Kit-Universal Joint	2
15	32149-1	Nut-Lock	2	32	322-14	Screw-HH	2
16	251-77	Collar-Locking	2	*	54-7950	Asm-Drive Shaft (Incl. Ref. #23-26, 28 & 31)	1
17	3246-1	Screw-Set	2				

*Not Illustrated

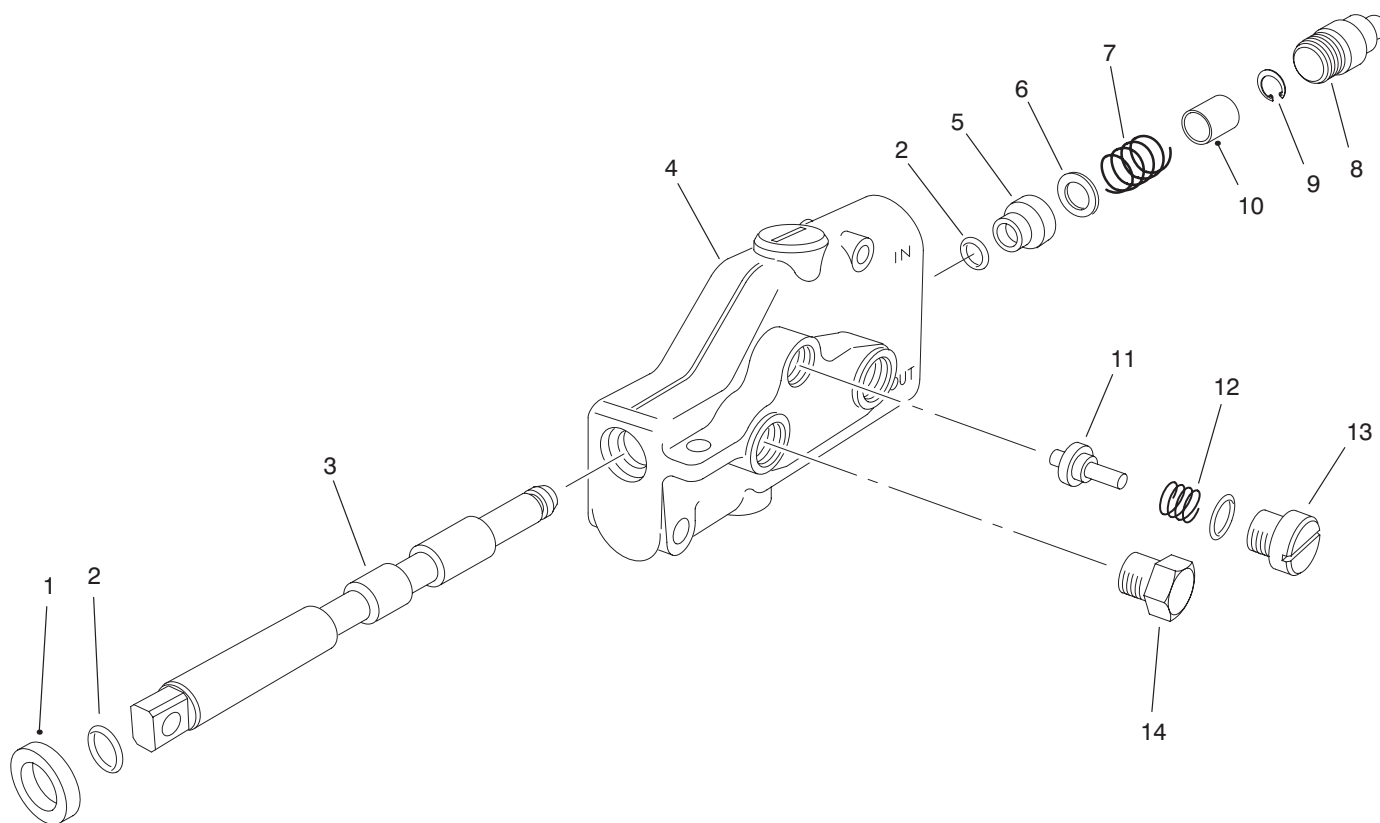


T-0531-5

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-Hydraulic Hose	1
3	70-7530	Spring-Compression	1	26	340-86	Fitting-Hydraulic Tee (Incl. Ref. #9 & 11) (Used On Cap End Left Cylinder)	1
4	66-2720	Lever-Lift	1	*	340-77	Fitting-Hydraulic 90° (Incl. Ref. #9 & 11) (Used On Cap End Right Cylinder)	1
5	233-39	Knob	1	27	304-99	Fitting-Hydraulic 90° (Incl. Ref. #28)	2
6	63-7960	Valve-Lift	1	28	237-22	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	237-65	O-Ring	5	31	63-6630	Cylinder-Lift	2
10	340-2	Fitting-Hydraulic Straight (Incl. Ref. #9 & 11)	1	32	3216-3	Screw-HH	2
11	237-22	O-Ring	7	33	66-8640	Asm-Hydraulic Hose	1
12	66-3130	Fitting-Hydraulic Tee (Incl. Ref. #9)	1	34	3296-42	Nut-Lock	2
13	2412-36	Clamp-Hose	2	35	340-70	Nut-Fitting	1
14	66-8150	Hose-Hydraulic	1	36	340-71	Fitting-Hydraulic 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-Hydraulic 90° (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	1				
22	282-27	Clevis	1				
23	283-58	Pin-Clevis	1				

*Not Illustrated



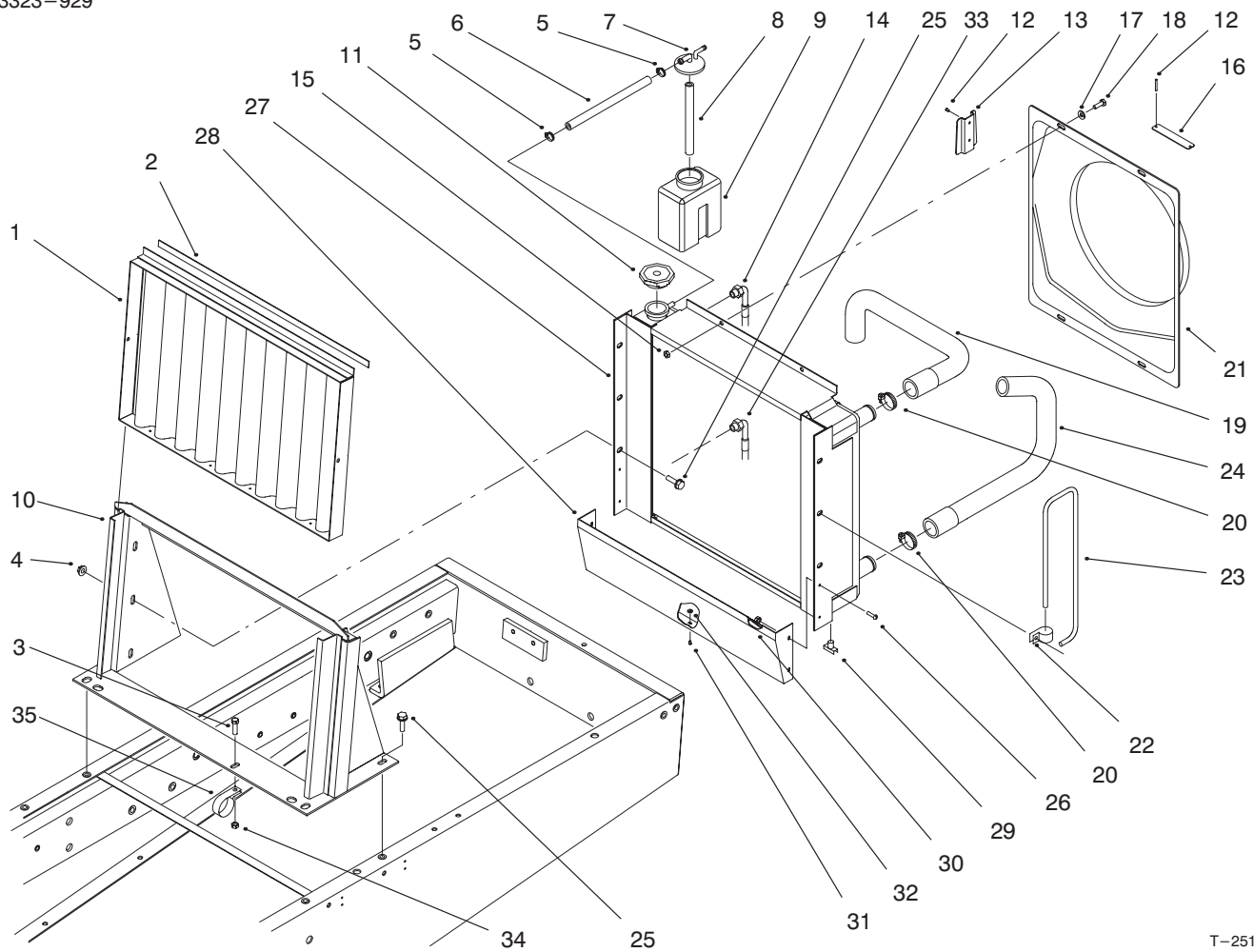
T-0532-2

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

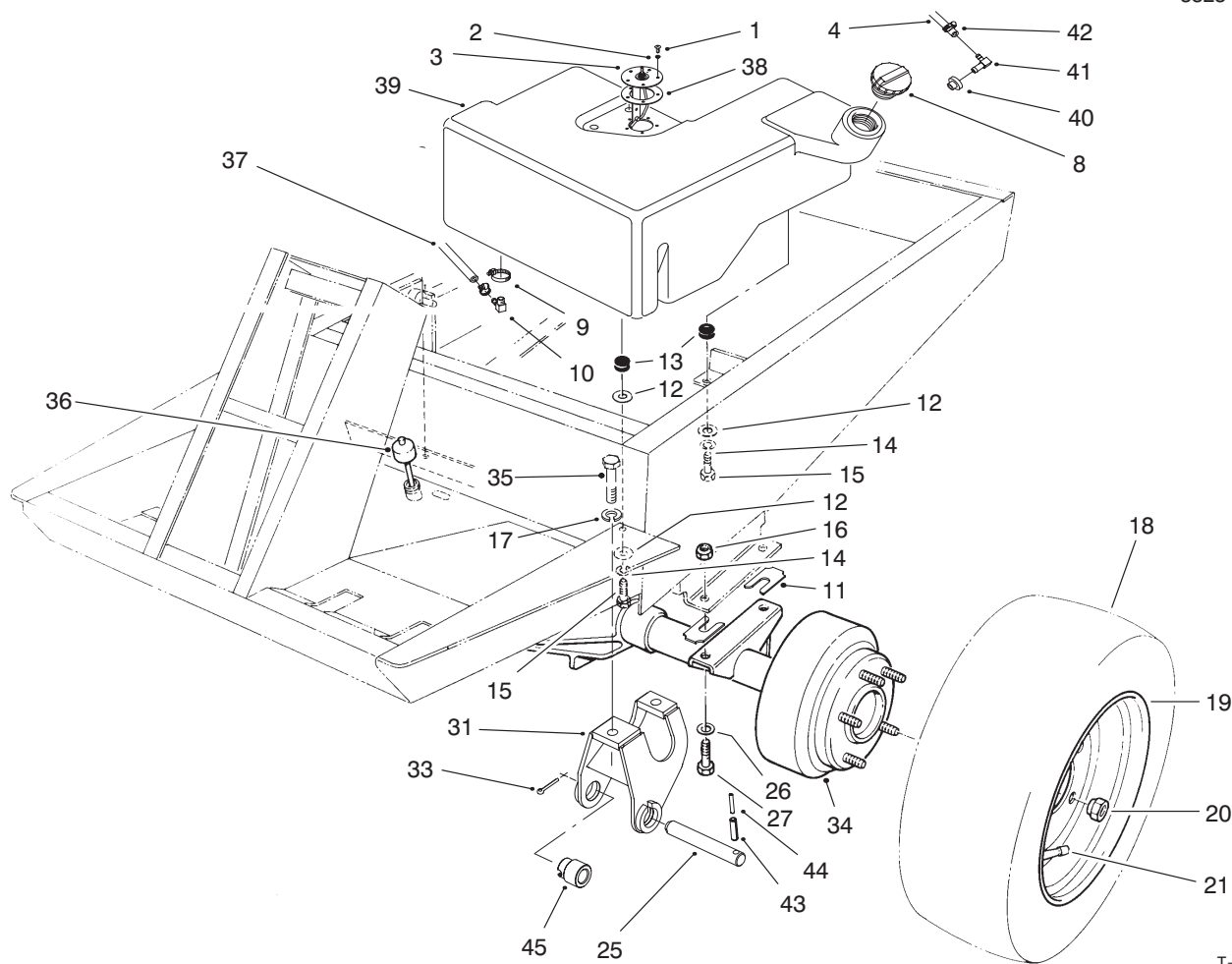


T-2517-2

Radiator Assembly

Ref. No.	Part No.	Description	No. Used
1	63-7700	Asm-Screen Frame	1
2	63-7710	Magnetic Strip	1
3	3234-17	Screw-HFH	1
4	32128-20	Nut-Lock, Whiz	6
5	2412-108	Clamp-Hose	2
6	93-2260	Hose	1
7	99-9171	Cap-Surge Tank	1
8	96-1215	Hose	1
9	99-9154	Tank-Reserve	1
10	92-5757	Asm-Radiator, Support	1
11	66-3240	Cap-Radiator	1
12	3290-271	Rivet	4
13	94-7337	Bracket-Overflow, Bottle	1
14	66-8180	Asm-Hose	1
15	3296-42	Nut-Lock	4
16	76-8750	Plate-Warning	1
17	3256-22	Washer-Flat	4
18	321-4	Screw-HH	4

Ref. No.	Part No.	Description	No. Used
19	94-6756	Hose-Upper	1
20	2412-34	Clamp-Hose	4
21	94-6750	Shroud-Fan	1
22	2412-103	R-Clamp	2
23	71-1540	Tube-Vent	1
24	94-7421	Hose-Lower	1
25	3234-5	Screw-Flange	8
26	3249-3	Screw-Round Hd.	2
27	63-6150	Asm-Radiator	1
28	63-6440	Shield-Radiator	1
29	304-46	Drain Cock	1
30	3217-29	Nut-Hex.	2
31	3269-13	Rivet	3
32	3269-10	Washer-Flat	3
33	66-8500	Assembly-Hose	1
34	32128-20	Nut-Lock	1
35	2412-147	R-Clamp	1

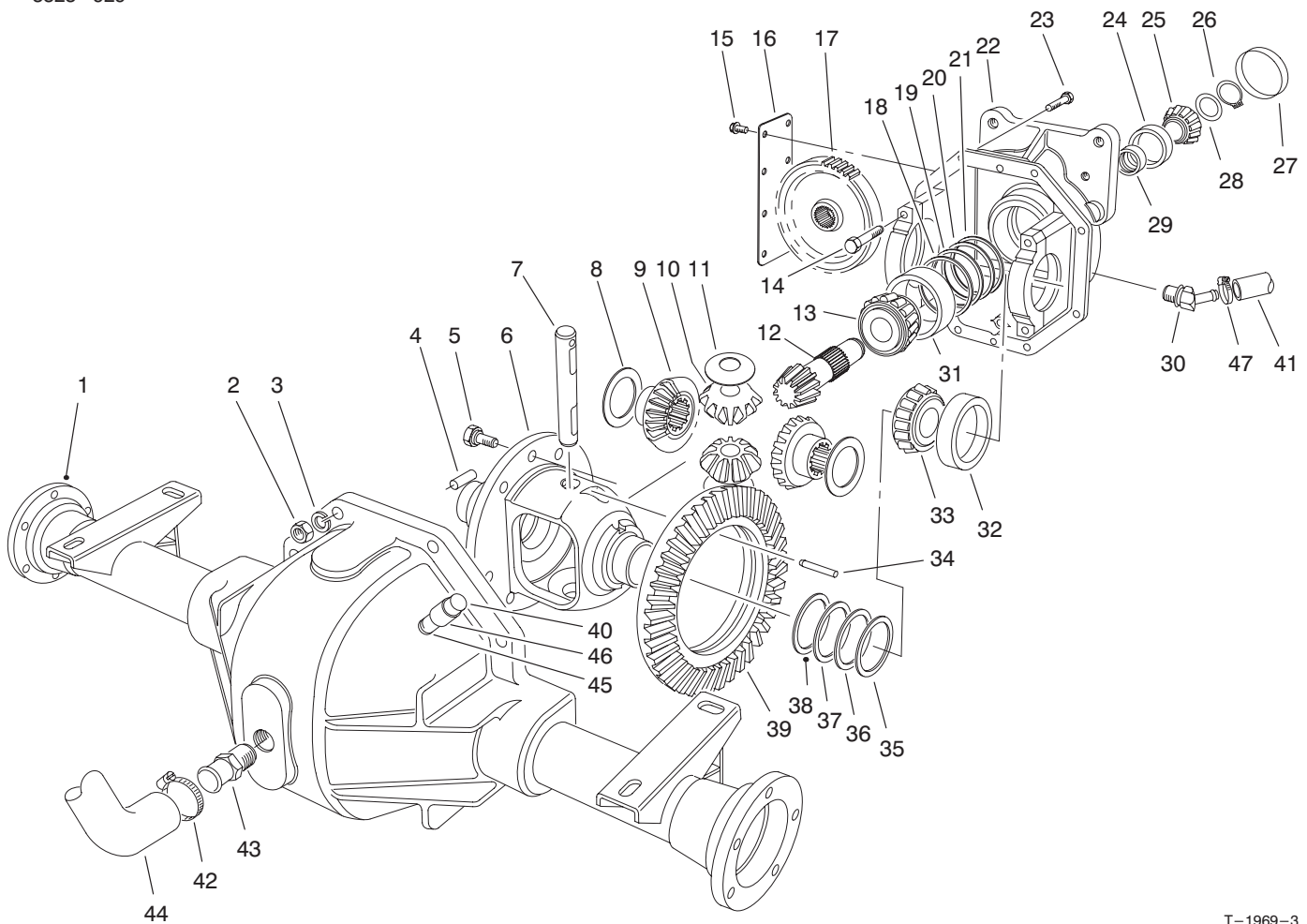


T-0840-5

Fuel Tank And Axle Assembly

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	32122-24	Screw-Machine	5	25	98-2348	Asm-Pivot Pin (Incl. Ref. #43 & 44)	2
2	3253-15	Washer-Lock	5	26	3256-25	Washer-Flat	4
3	63-7640	Sender-Fuel	1	27	324-5	Screw-HH	4
4	94-1349	Hose	1	31	98-2328	Carrier Bracket	2
8	93-7170	Cap-Fuel	1	33	3272-17	Pin-Cotter	2
9	2412-36	Clamp	1	34	86-9640	Asm-Axle	1
10	353-536	Fitting-90°	1	35	3273-38	Screw-HSH	4
11	42-6080	Shim-Axle	A/R	36	66-3060	Dipstick-Differential	1
12	3256-67	Washer-Flat	3	37	63-7627	Hose-Fuel	1
13	237-136	Grommet	3	38	62-7650	Gasket	1
14	3253-3	Washer-Lock	3	39	98-5002	Tank-Fuel	1
15	321-5	Screw-HH	3	40	46-6560	Bushing	1
16	3296-48	Nut-Lock	4	41	94-6765	Connector-90°	1
17	3253-8	Washer-Lock	4	42	2412-108	Clamp	3
18	231-101	Tire	2	43	32121-49	Pin-Spring	2
*	231-95	Tire-23" x 10.5" x 12" 4 Ply (Optional)	2	44	32121-71	Pin-Spring	2
*	69-9880	Tire-23" x 10.5" x 12" 6 Ply (Optional)	2	45	98-7926	Spacer-Lift Arm	4
19	217-117	Rim	2	*	62-7020	Asm-Wheel & Tire (23" x 10.5" x 12" 4 Ply) (Optional)	2
*	217-116	Rim-23" x 10.5" x 12" (Optional)	2	*	69-9870	Asm-Wheel & Tire (23" x 10.5" x 12" 6 Ply) (Optional)	2
20	23-7270	Nut-Lug	10				
21	232-27	Valve Stem w/Cap	2				

*Not Illustrated



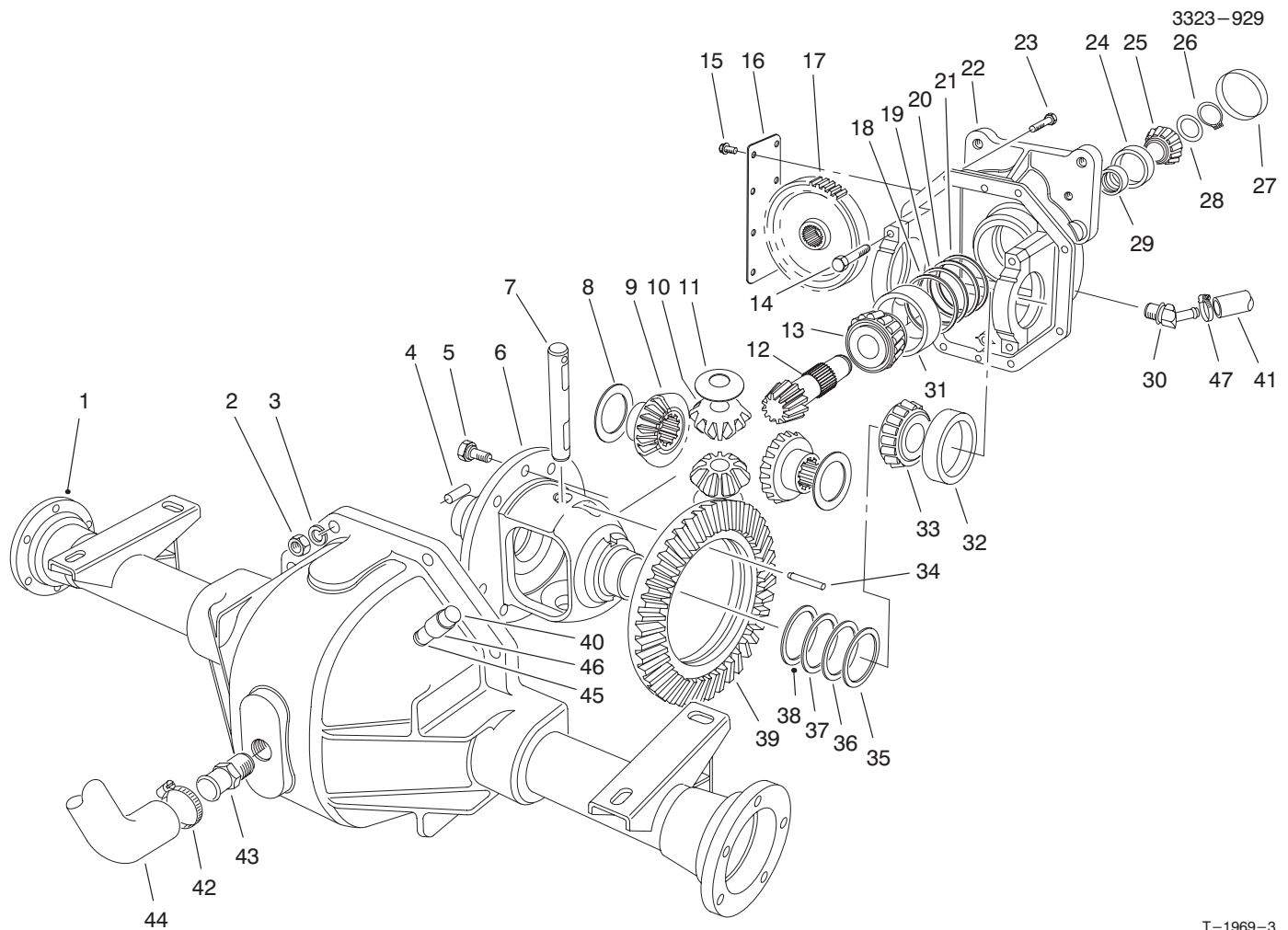
T-1969-3

Differential Assembly

Ref. No.	Part No.	Description	No. Used
1	63-8090	Asm-Lower Housing	1
2	3219-2	Nut	8
3	3255-8	Washer-Lock	8
4	21-8270	Pin-Dowel	2
5	21-7770	Screw-Drive Gear	5
6	21-7670	Differential Case	1
7	21-7700	Shaft-Pinion Mate	1
8	21-7720	Washer-Thrust	2
9	24-8790	Gear-Bevel, Differential	2
10	21-7690	Gear-Pinion	2
11	21-7730	Washer-Thrust	2
12		Drive Pinion	1
13	43-6760	Cone-Bearing, Tapered	1
14	92-1773	Screw-HH	4
15	12-5450	Screw-Thread Forming	8
16	21-7830	Cover-Gear	1
17	86-7230	Gear-Spur	1
18	43-6710	Shim Adjusting Differential Bearing .003	A/R
19	43-6711	Shim Adjusting Differential Bearing .005	A/R
20	43-6712	Shim Adjusting Differential Bearing .010	A/R
21	43-6713	Shim Adjusting Differential Bearing .030	A/R
22	86-7930	Upper Housing Assembly (Incl. Ref. #14)	1
23	3210-7	Screw-HH	8

Ref. No.	Part No.	Description	No. Used
24	254-90	Cup-Bearing	1
25	254-91	Cone-Bearing	1
26	43-6550	Ring-Retaining	1
27	21-7850	Cap Plug	1
28	46-2210	Shim Front Pinion Bearing (.031)	A/R
*	46-2211	Shim Front Pinion Bearing (.033)	A/R
*	46-2212	Shim Front Pinion Bearing (.035)	A/R
*	46-2213	Shim Front Pinion Bearing (.037)	A/R
*	46-2214	Shim Front Pinion Bearing (.039)	A/R
*	46-2215	Shim Front Pinion Bearing (.041)	A/R
*	46-2216	Shim Front Pinion Bearing (.043)	A/R
*	46-2220	Shim Front Pinion Bearing (.045)	A/R
*	46-2221	Shim Front Pinion Bearing (.047)	A/R
*	46-2222	Shim Front Pinion Bearing (.049)	A/R
*	46-2223	Shim Front Pinion Bearing (.051)	A/R
*	46-2224	Shim Front Pinion Bearing (.053)	A/R

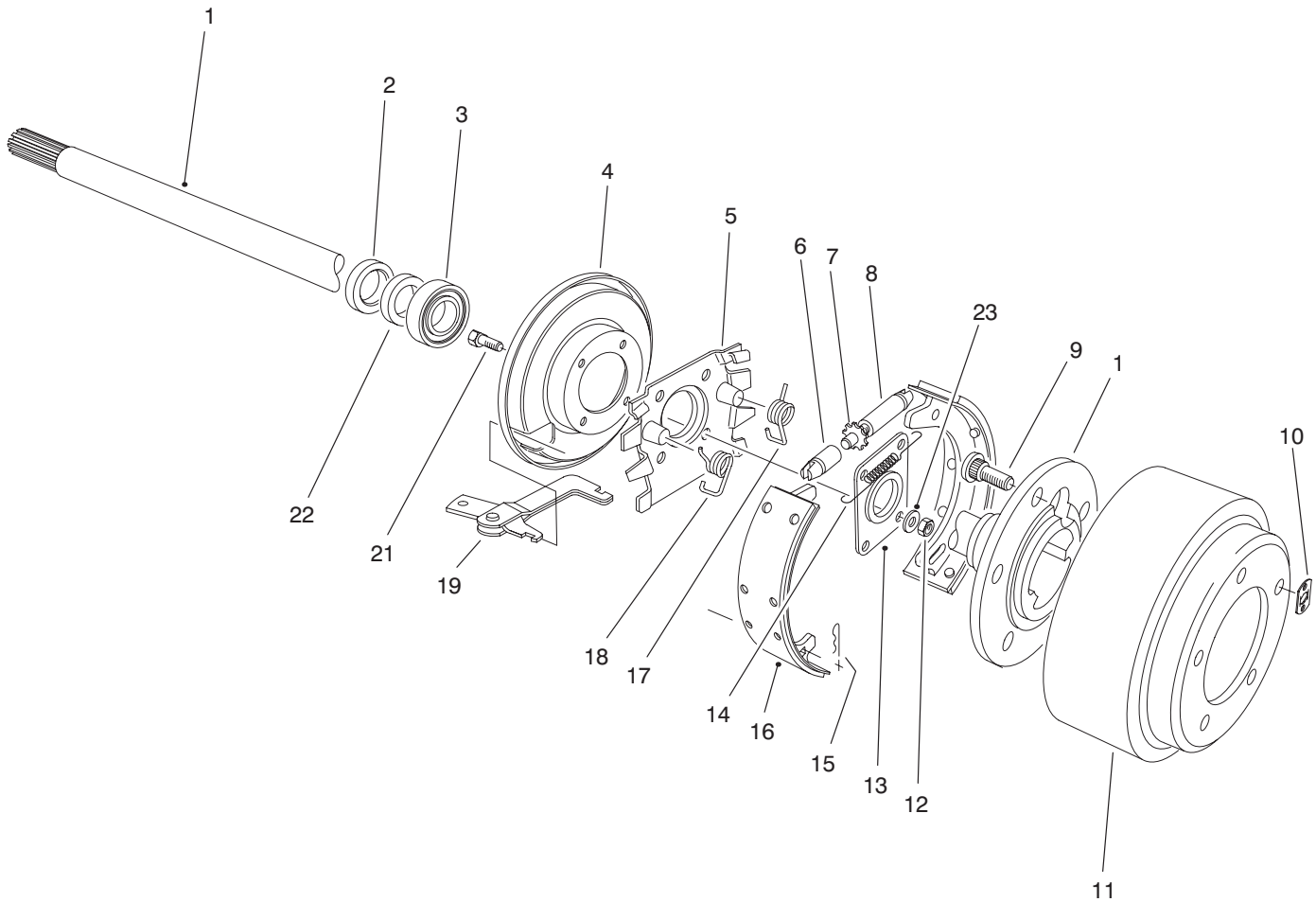
*Not Illustrated



T-1969-3

Differential Assembly (Continued)

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



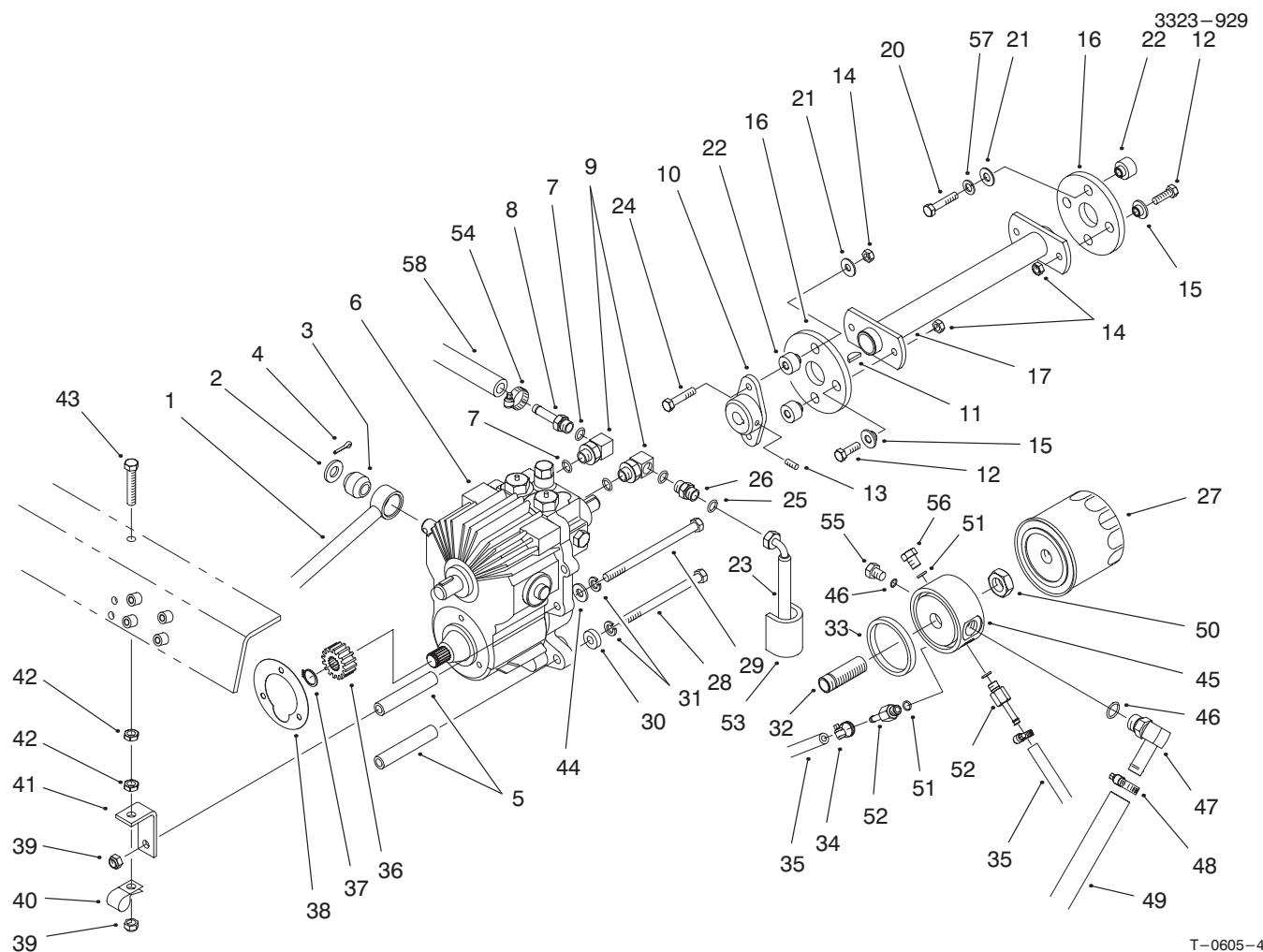
T-2664-2

Brake Assembly

Ref. No.	Part No.	Description	No. Used
1	27-6861	Shaft-Flanged Axle LH	1
*	27-6851	Shaft-Flanged Axle 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, Flange Hd.	8

Ref. No.	Part No.	Description	No. Used
13	28-0670	Oil Seal	2
14	21-9440	Screw-Spring Adjusting	2
15	21-9460	Retainer-Parking Brake	4
16	84-8600	Brake Shoe Set (Incl. 4 Shoes)	1
17	21-9420	Spring-Shoe Return LH	2
18	21-9430	Spring-Shoe Return RH	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-Flat	8
*	92-8775	Kit-Liquid Gasket	1

*Not Illustrated

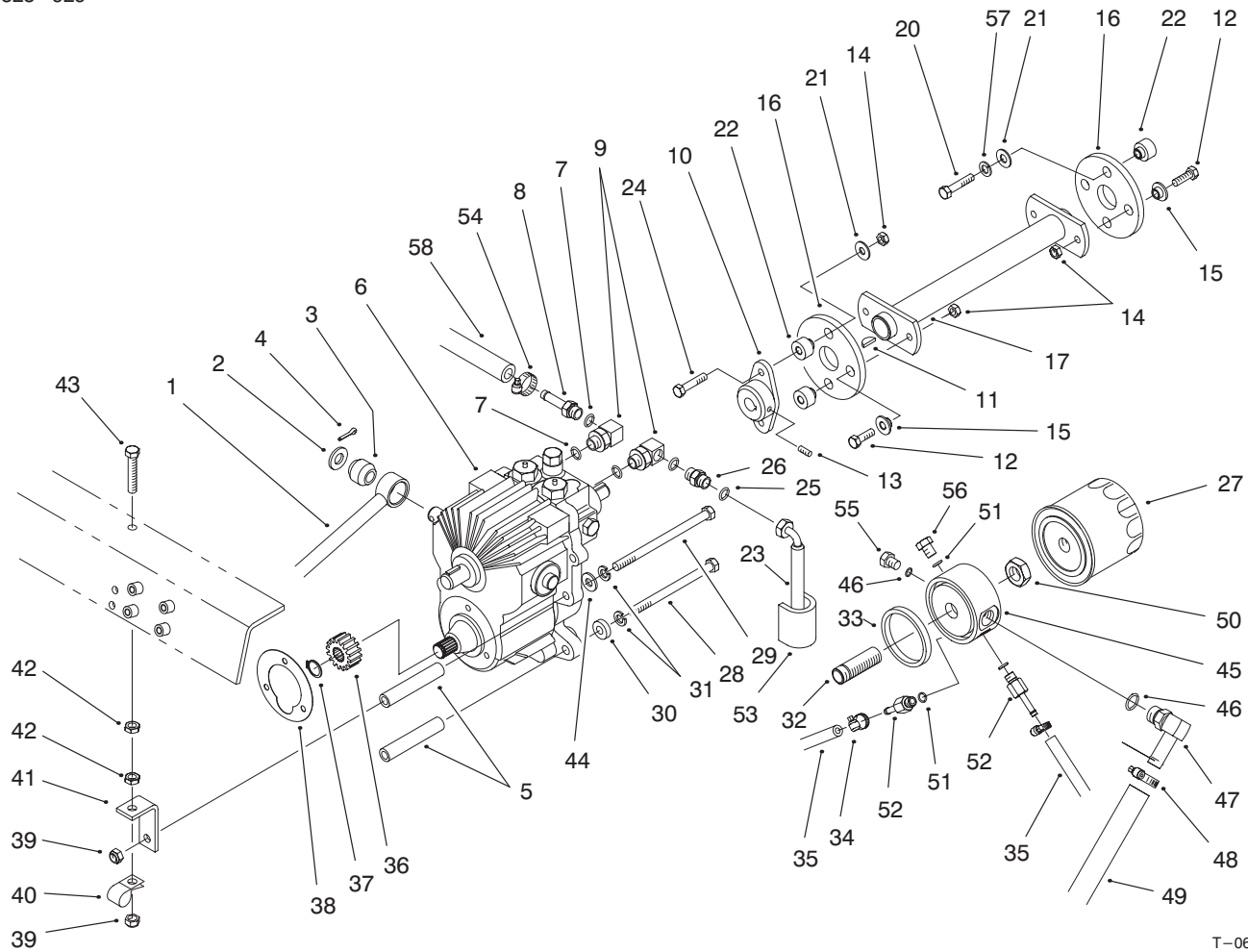


T-0605-4

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	1
9	66-3110	Hyd. Fitting	2
10	27-4370	Hub-Pump	1
11	3257-5	Key-Woodruff	1
12	3210-5	Screw-HH	4
13	3241-6	Screw-Set	2
14	32152-5	Nut-Lock	6
15	27-6600	Spacer-Rubber	4
16	44-2230	Coupling-Rubber	2
17	94-9400	Drive Shaft	1
20	33104-040	Screw-HH	2
21	3256-71	Washer-Flat	4
22	27-6590	Spacer	4
23	66-8490	Asm-Hose	1
24	3210-8	Screw-HH	2
25	237-22	O-Ring	1
26	82-8530	Fitting	1
27	23-2300	Oil Filter	1

Ref. No.	Part No.	Description	No. Used
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	32120-72	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
49	92-5083	Hose-Hydraulic	1
50	3220-7	Nut-Jam	1
51	237-78	O-Ring	3

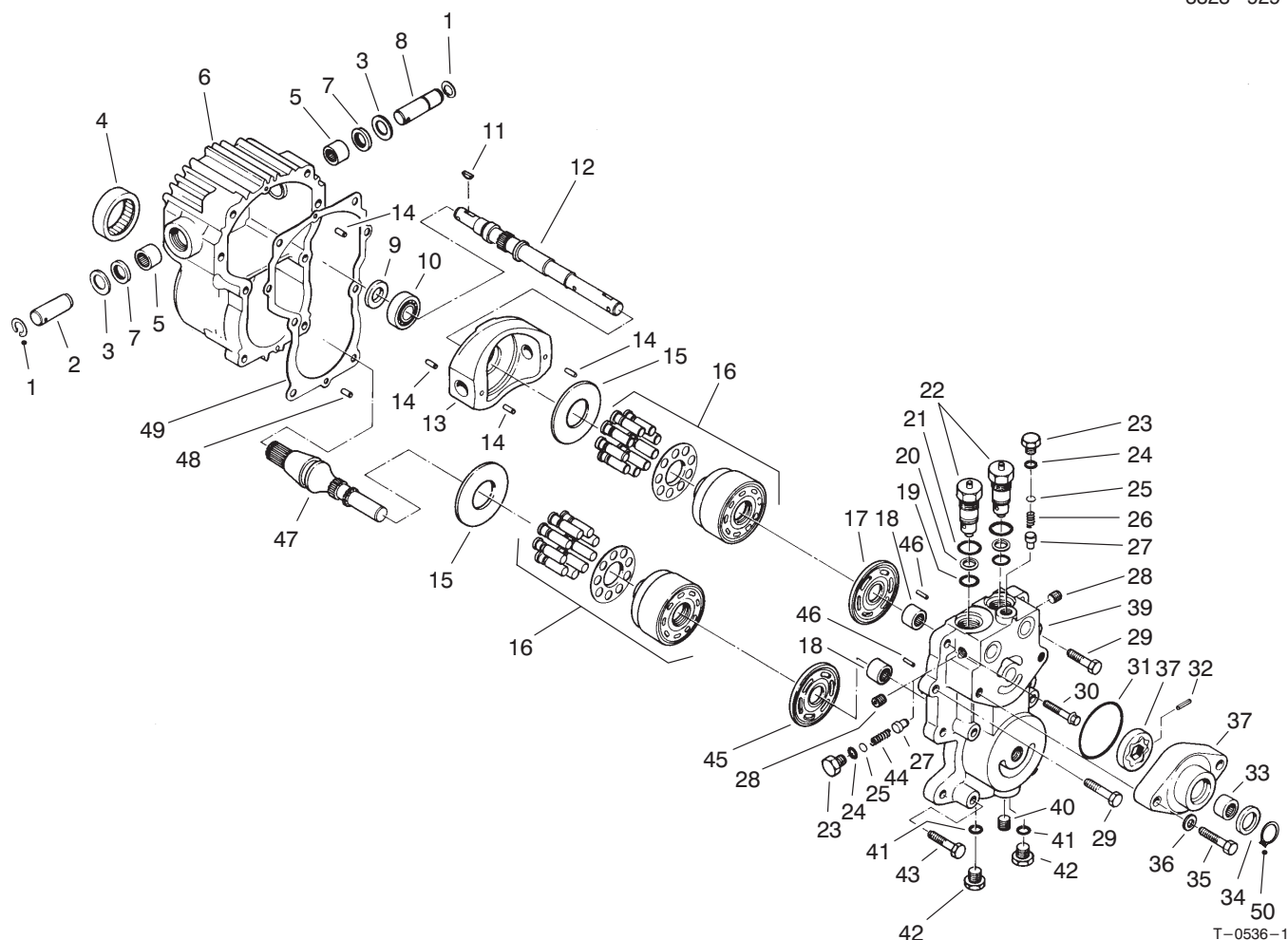


T-0605-4

Transmission & Drive Coupling Assembly (Continued)

Ref. No.	Part No.	Description	No. Used
52	92-5512	Fitting-Hydraulic, Straight (Incl. Ref. #51)	2
53	38-3400	Bumper-Rubber	1
54	2412-36	Clamp-Hose	1
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	42-9850	Washer-Lock	2
58	66-8150	Hose-Hydraulic	1

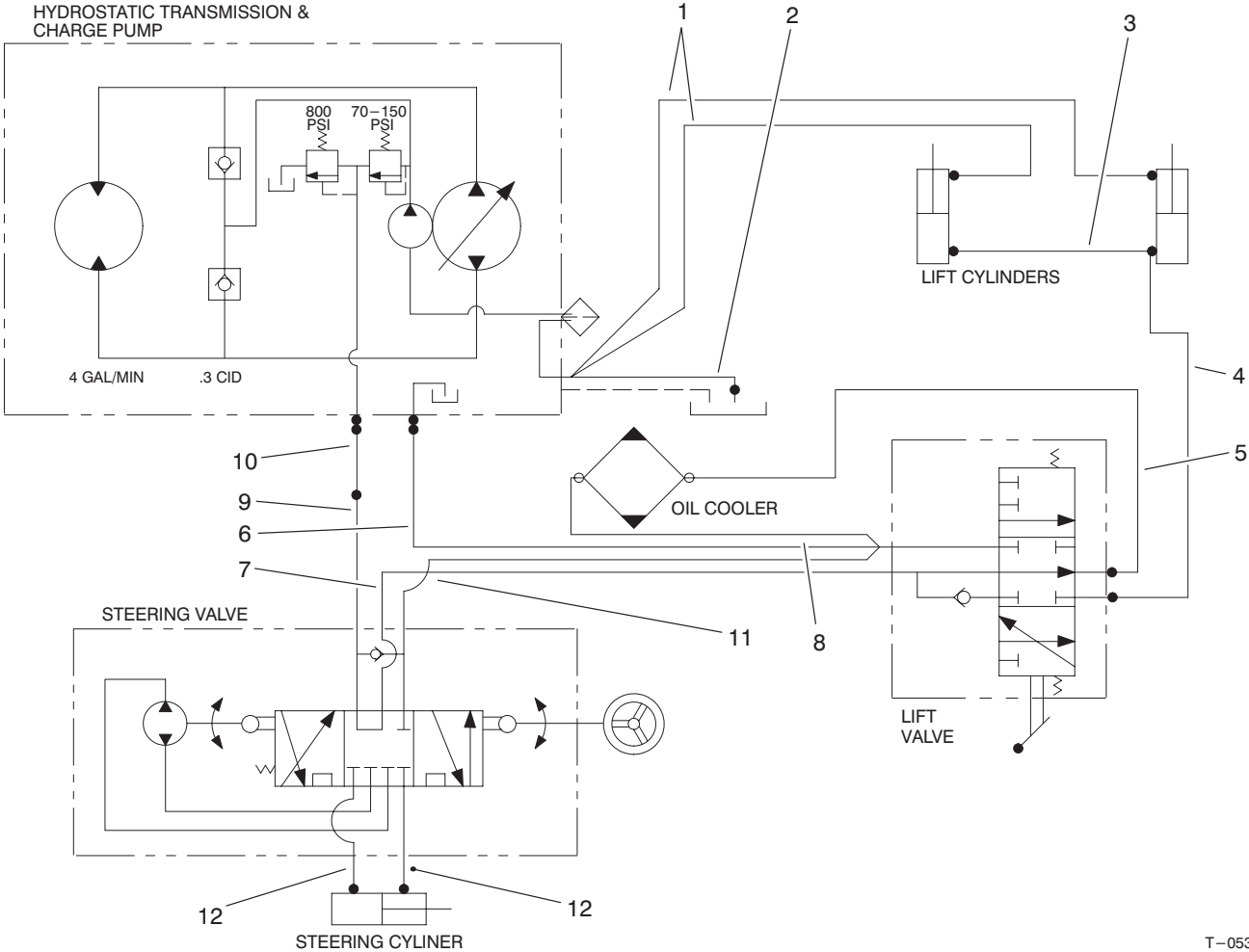


Transmission Assembly No. 92-5513

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	32151-46	Ring-Retaining	2	27	28-3420	Relief Valve Cone Chg.	2
2	25-2500	Shaft-Trunnion	1	28	285-17	Plug-Pipe	4
3	25-2510	Washer	2	29	323-8	Screw-HH	2
4	28-3300	Bearing-Roller	1	30	28-3530	Screw-HH	2
5	28-3310	Bearing-Needle	2	31	28-3520	O-Ring	1
6	92-5709	Housing	1	32	38-2680	Pin	1
7	25-3210	Lip Seal	2	33	28-3480	Bearing-Needle	1
8	28-3670	Shaft-Trunnion	1	†34	28-3470	Lip Seal	1
9	93-4133	Lip Seal	1	‡34	94-2975	Shaft-Seal	1
10	28-3650	Bearing-Ball	1	35	324-23	Screw-HH	2
11	3257-5	Key-Woodruff	2	36	28-3450	Washer-Flat	2
12	28-3640	Shaft-Pump	1	37	38-2670	Kit-Charge Pump (Incl. Ref. #31-34 & 50)	1
13	49-7820	Variable Swashplate	1	39	92-5716	Center Section	1
14	32121-91	Pin	3	40	92-5717	Plug-Pipe	1
15	25-2380	Plate-Thrust	2	41		O-Ring	2
16	48-1800	Kit-Cylinder Block	2	42	28-3440	Threaded Plug (Incl. Ref. #41)	2
17	46-7320	Plate-Pump Valve	1	43	323-10	Screw-HH	4
18	25-3300	Bearing-Needle	2	44	25-2480	Relief Valve Spring Chg.	1
19	28-3590	O-Ring	2	45	28-3380	Plate-Motor Valve	1
20	28-3580	Ring-Backup	2	46	25-2430	Pin	2
21	28-3570	O-Ring	2	47	49-8200	Shaft-Motor	1
22	49-7830	Asm-Check Valve (Incl. Ref. #19-21)	2	48	28-3350	Pin	2
23	25-2460	Hex Hd. Plug	2	49	28-3340	Gasket	1
24	28-3400	O-Ring	2	‡50	94-2976	Ring-Retaining	1
25	25-2470	Shim Pack	A/R				
26	46-7310	Relief Valve Spring Imp.	1				

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

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

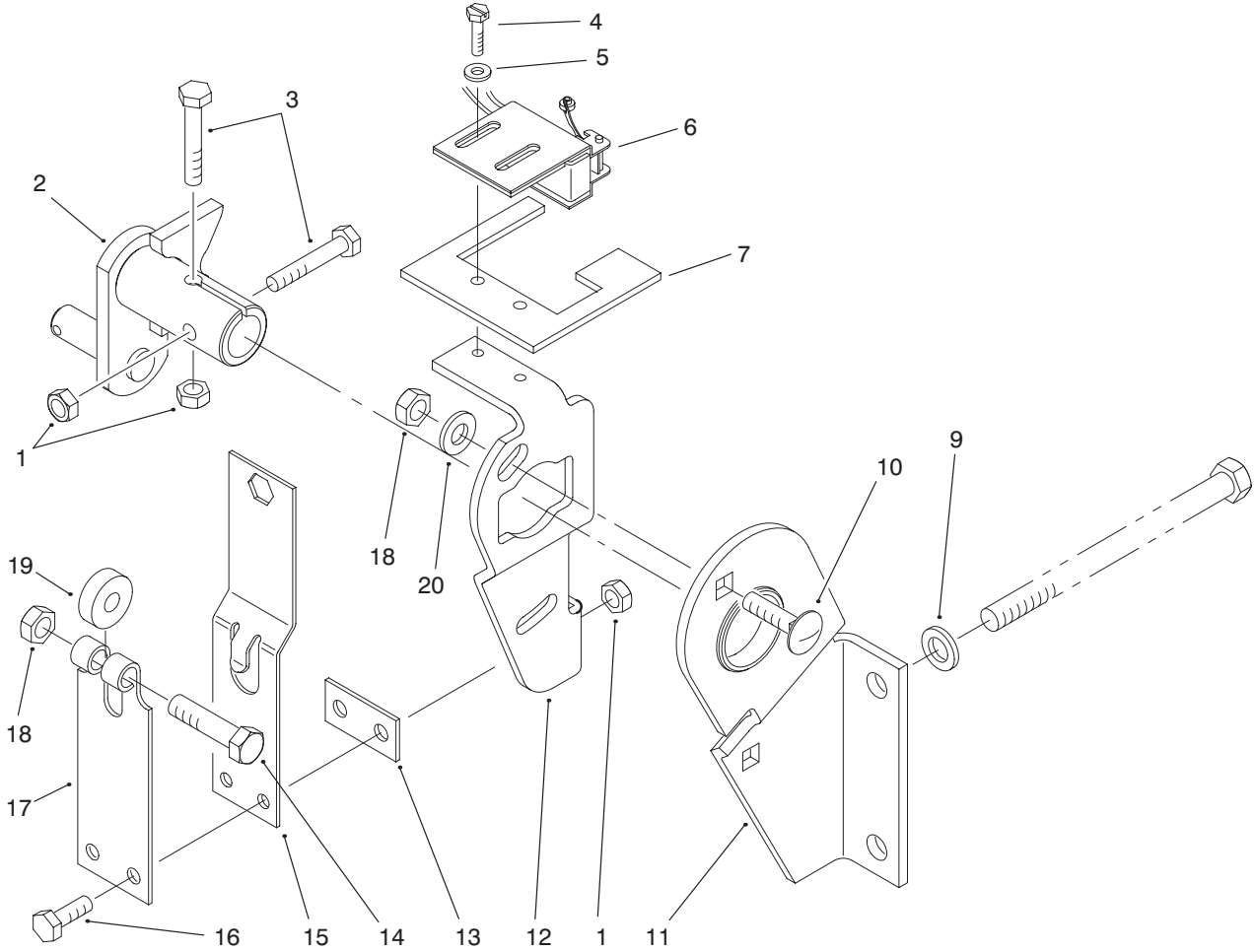


T-0537-4

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

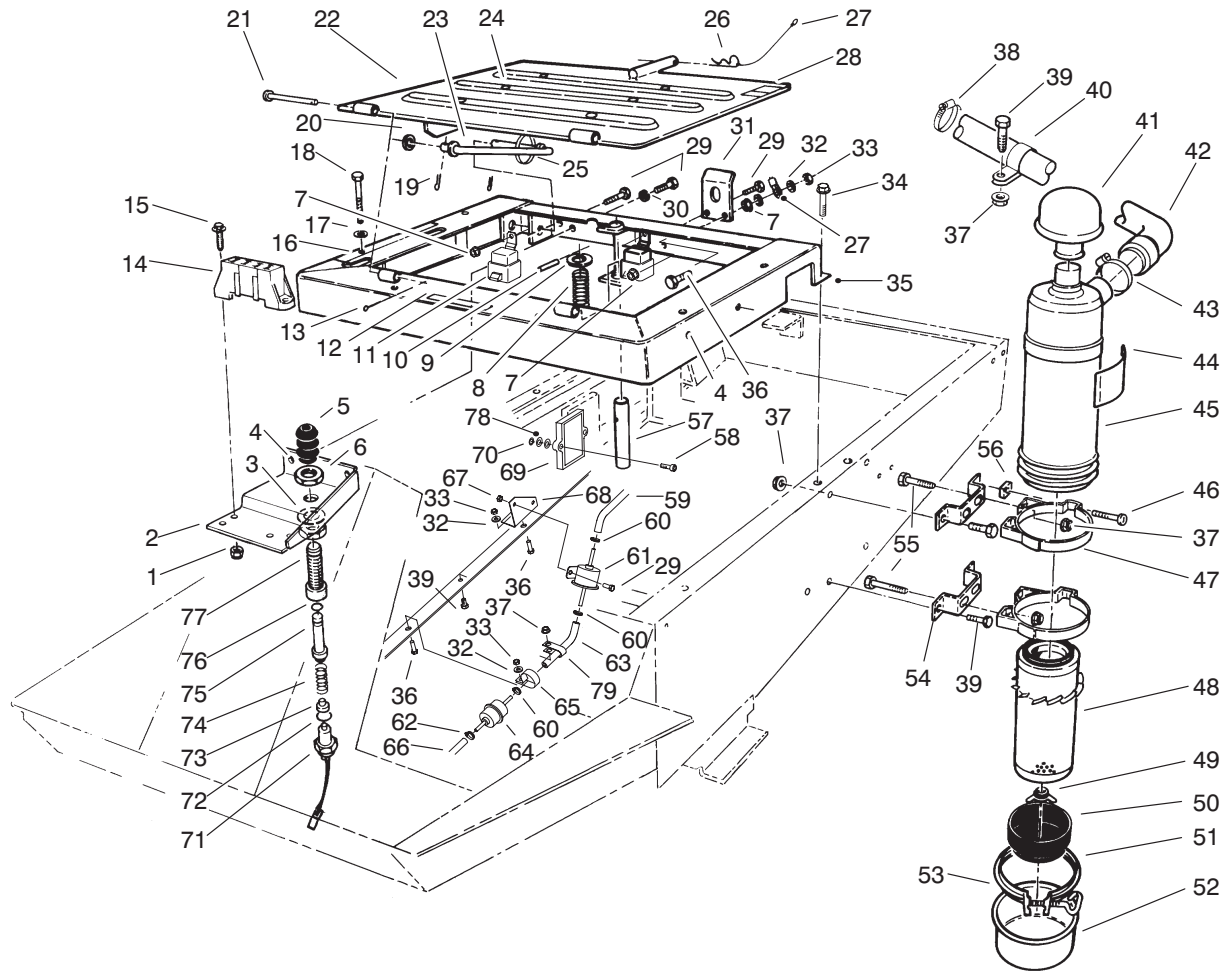
Ref. No.	Part No.	Description	No. Used
7	66-8630	Tube	1
8	66-8500	Hose	1
9	66-8620	Tube	1
10	66-8490	Hose	1
11	66-8140	Hose	1
12	66-8170	Hose	2



T-2523-1

Transmission Interlock Assembly

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3296-42	Nut-Lock	4	13	51-3150	Shim	1
2	29-9790	Pump-Lever	1	14	322-17	Screw-HH	1
3	321-9	Screw-HH	2	15	29-6140	Spring-Extended Leaf	1
4	32105-8	Screw-Slotted HH	2	16	321-4	Screw-HH	2
5	3256-51	Washer-Flat	2	17	29-6150	Spring-Leaf	1
6	94-1754	Switch-Bracket, Roller	1	18	3296-29	Nut-Lock	3
7	95-1552	Stop-Leaf Spring	1	19	251-259	Bearing-Ball	1
9	3253-21	Washer-Lock	2	20	3256-23	Washer-Flat	2
10	3230-2	CARR-Bolt	2				
11	52-8890	Bracket-Mounting	1				
12	95-1551	Plate-Pump	1				

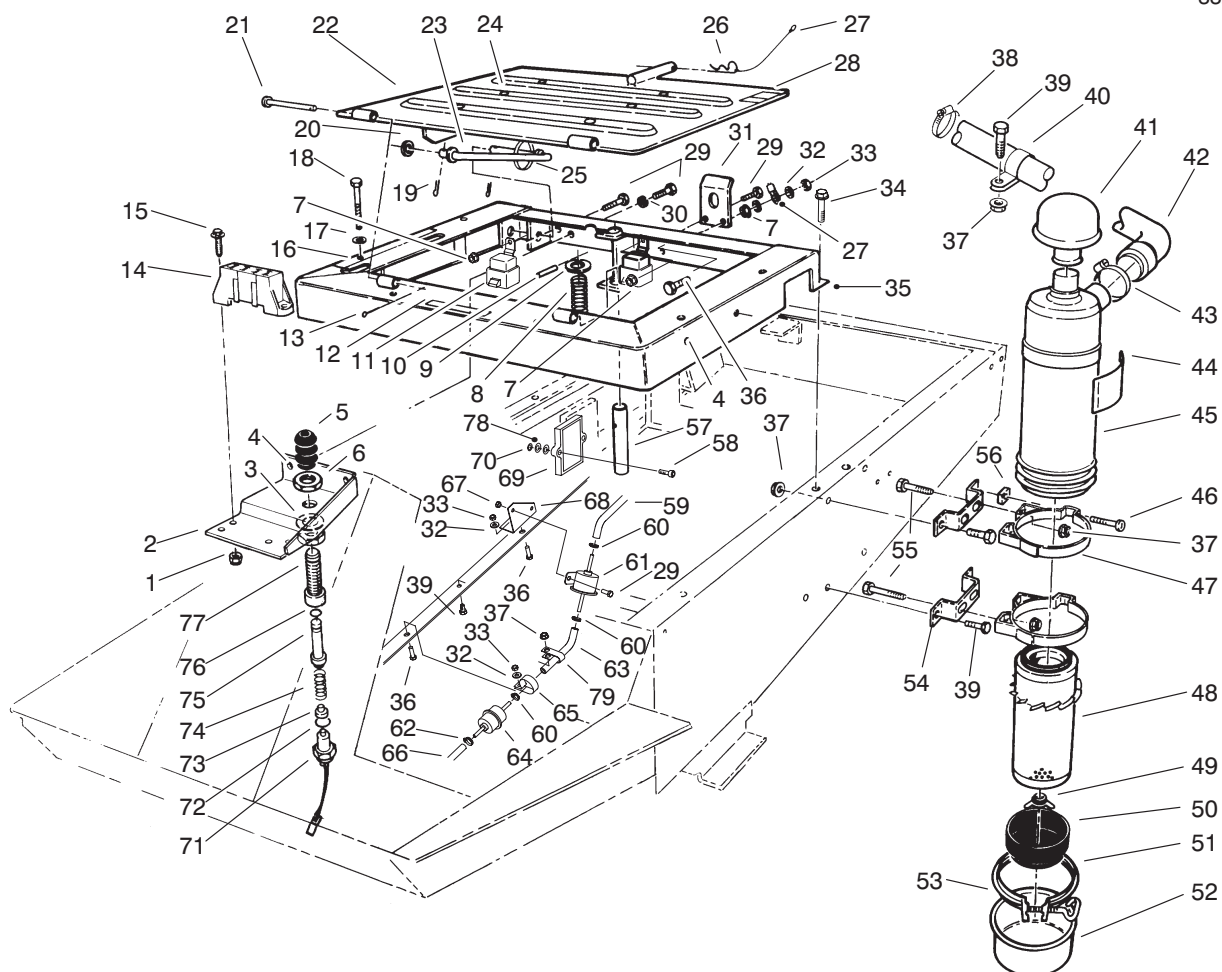


T-2525-2

Seat Frame & Air Cleaner Assembly

Ref. No.	Part No.	Description	No. Used
1	3296-12	Nut-Lock	2
2	92-7892	Bracket-Seat Switch	1
3	3256-69	Washer-Flat	1
4	32148-6	Nut-Clinch	6
5	43-8870	Boot-Switch	1
6	218-461	Nut-Jam	2
7	32128-33	Nut-Flange	3
8	37-9590	Spring-Compression	1
9	3256-27	Washer-Flat	1
10	32121-6	Pin-Roll	1
11	70-1480	Relay	2
12	67-1710	Decal-Interlock	1
13	3272-4	Pin-Cotter	2
14	67-7160	Fuse Block	1
15	32105-13	Screw-HH	2
16	93-7833	Decal-Control Levers	1
17	3256-23	Washer-Flat	6
18	322-13	Screw-HH	6
19	3272-11	Pin-Cotter	2
20	3256-24	Washer-Flat	1
21	283-49	Pin-Clevis	2
22	92-5759	Plate-Seat (Incl. Ref. #24)	1
23	66-2800	Rod-Seat Support	1
24	32148-9	Nut-Clinch	2
25	3290-378	Tie-Cable	1
26	3290-255	Pin-Hair, Cotter	1

Ref. No.	Part No.	Description	No. Used
27	28-8070	Lanyard	1
28	71-3730	Decal-Gas	1
29	321-4	Screw-HH	5
30	3253-3	Washer-Lock	2
31	66-2630	Latch-Seat	1
32	3256-22	Washer-Flat	6
33	3296-42	Nut-Lock	5
34	3234-17	Screw-Flange	2
35	92-7894	Frame-Seat	1
36	321-6	Screw-HH	3
37	32128-20	Nut-Flange	10
38	2412-92	Clamp-Hose	1
39	322-5	Screw-HH	6
40	2412-107	R-Clamp	1
41	27-7180	Asm-Cap	1
42	95-1593	Hose-Air Cleaner Inlet	1
43	2412-42	Clamp-Hose	1
44	27-7160	Decal-Instructions	1
45	27-7100	Asm-Air Cleaner (Incl. Ref. #44, 48-53)	1
46	3258-19	Screw-HH	2
47	27-7170	Asm-Mounting Band (Incl. Ref. #46 & 56)	2
48	27-7110	Asm-Element	1
49	27-7120	Asm-Nut & Gasket	1
50	27-7140	Skirt-Baffle	1
51	27-7130	Asm-Clamp	1



T-2525-2

Seat Frame & Air Cleaner Assembly (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
52	27-7150	Asm-Cup	1	67	32128-14	Nut-Hex. Flange	2
53	80-3330	Gasket	1	68	95-0655	Bracket-Pump, Fuel	1
54	66-2451	Bracket-Air Cleaner	2	69		Box-Electronic	1
55	322-3	Screw-HH	4	70	32148-11	Nut-Clinch	2
56	32107-11	Nut-Square	2	71	72-4320	Switch	1
57	66-2590	Pin-Seat Spring	1	72	237-30	O-Ring	1
58	3274-8	Screw-Socket Head	2	73	43-8610	Guide-Spring & Ball Seat	1
59	94-7420	Hose	1	74	43-8600	Spring-Compression	1
60	2412-98	Clamp-Hose	4	75	43-8860	Plunger-Switch	1
†61		Pump-Fuel	1	76	237-7	O-Ring	1
62	2412-108	Clamp-Hose	1	77	43-8620	Guide-Switch Pin	1
63	95-6269	Hose-Fuel	1	78	3256-22	Washer-Flat	2
64	95-2926	Filter-Fuel	1	79	94-6821	Clamp-Wire	1
65	2412-147	R-Clamp	1	*	43-9071	Asm-Seat Switch (Incl. Ref. #5-6 & 71-77)	1
66	63-7627	Hose	1				

*Not Illustrated

† Obtain from Briggs & Stratton

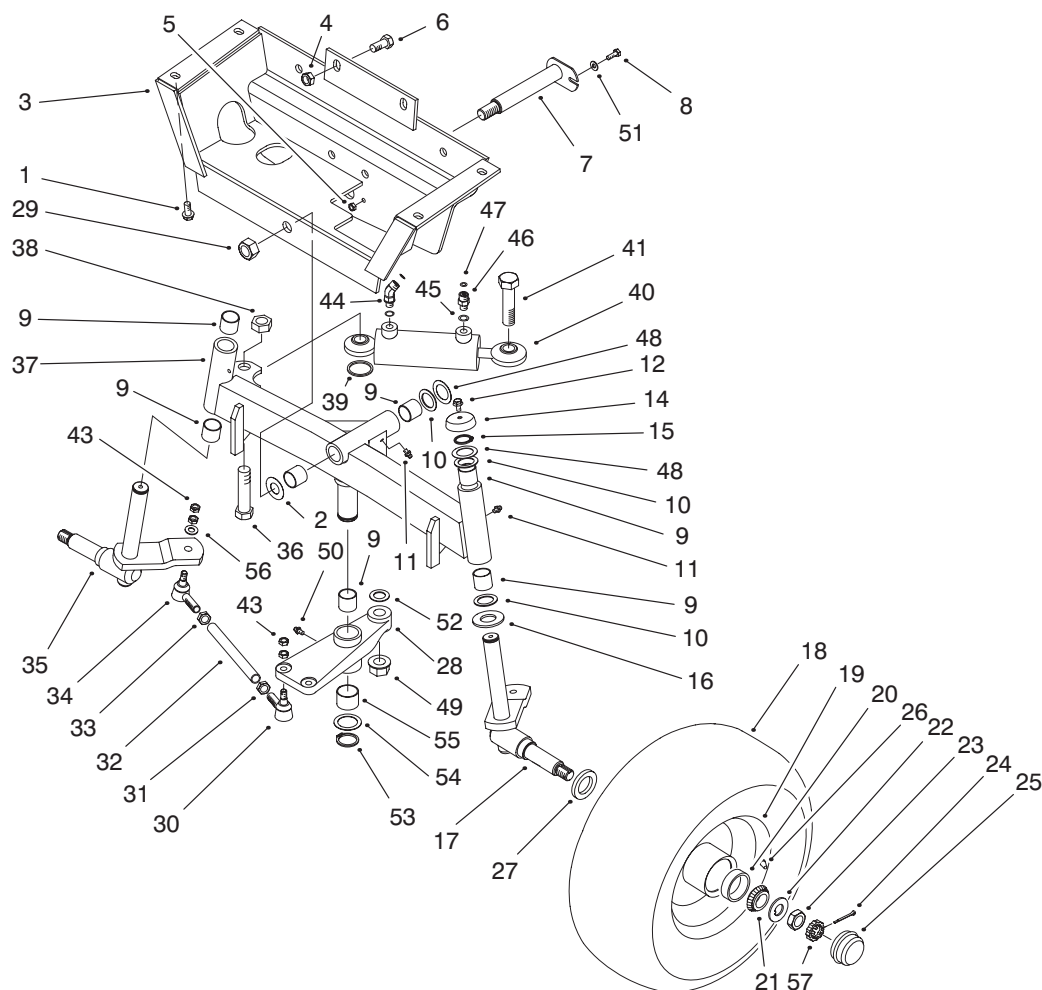


T-1692-1

Manual Storage Assembly

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

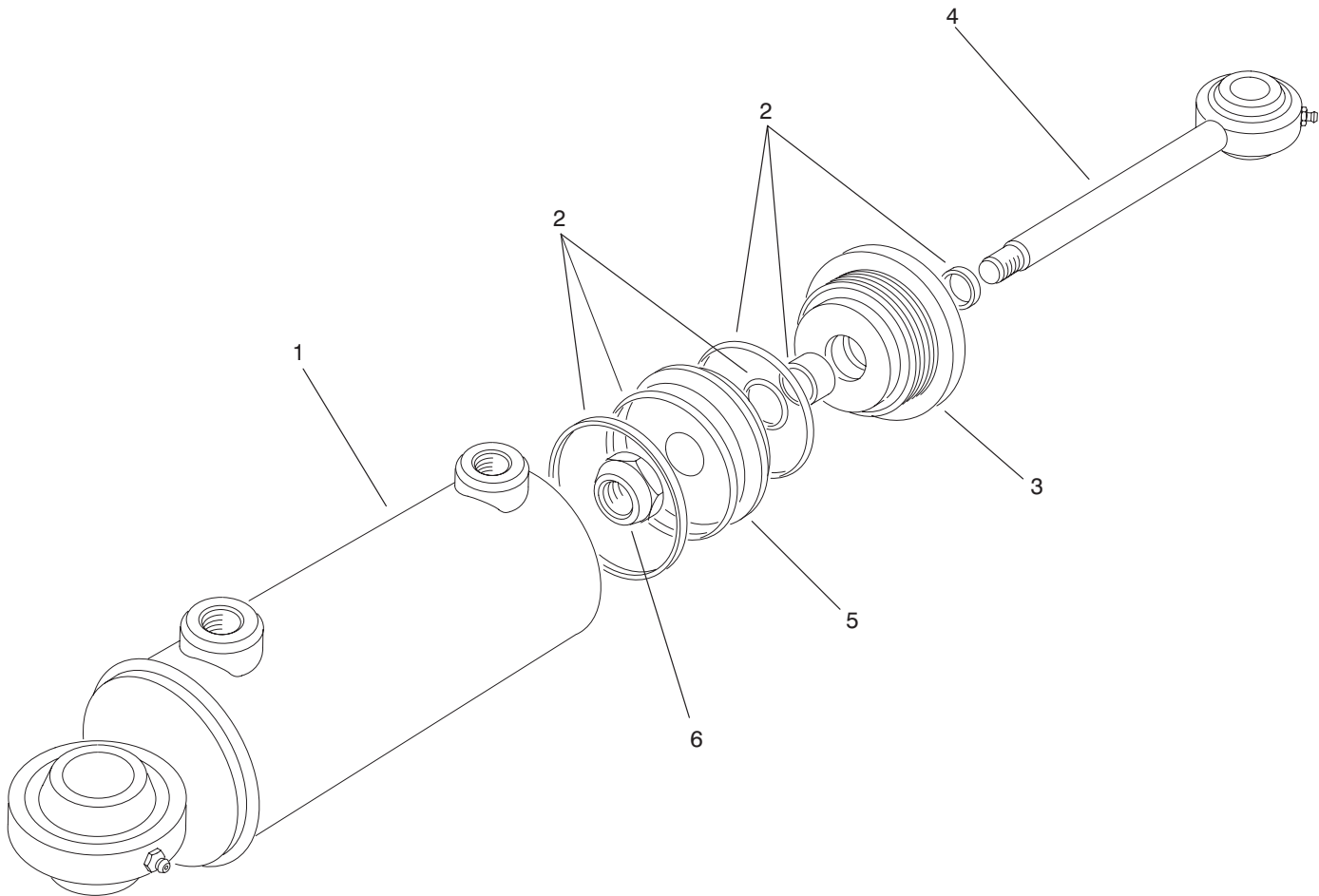
Ref. No.	Part No.	Description	No. Used
3	322-5	Screw-HH	2
4	3256-23	Nut-Lock	2



T-0540-3

Rear Axle Assembly

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3234-25	Screw-Flange	4	31	3220-12	Nut-Jam LH	2
2	71-4540	Washer-Thrust	1	32	63-6880	Rod-Tie	2
3	63-6430	Frame-Rear	1	33	3220-5	Nut-Jam RH	2
4	3296-25	Nut-Lock	2	34	21-0141	Joint-Ball RH	2
5	3296-42	Nut-Lock	1	35	93-3196	Spindle-Wheel RH	1
6	325-5	Screw-HH	2	36	67-7300	Screw Hex Hd.	1
7	63-6770	Pin-Rear Axle	1	37	76-3000	Asm-Axle	
8	321-4	Screw-HH	1			(Incl. Ref. #9 & 11)	1
9	67-1750	Bushing	6	38	32153-6	Nut-Hex Lock	1
10	10-8110	Washer	5	39	67-7250	Spacer Cyl.	1
11	302-5	Fitting-Grease	3	40	76-2070	Cylinder-Steering	1
12	3234-13	Screw-HFH	2	41	328-25	Screw-HH	1
14	66-2990	Cap-Spindle	2	43	3220-3	Nut-Jam	8
15	32151-36	Ring-Retaining	2	44	340-103	Fitting-Hydraulic 45°	
16	256-121	Washer-Thrust	2			(Incl. Ref. #45 & 47)	1
17	93-3195	Spindle-Wheel LH	1	45	237-78	O-Ring	2
18	231-105	Tire	2	46	340-92	Fitting-Straight	1
19	217-118	Rim	2	47	237-21	O-Ring	2
20	254-72	Cup-Bearing	4	48	56-2460	Washer-Flat	A/R
21	254-94	Cone-Bearing	4	49	32128-45	Nut-Lock, Flange	1
22	93-0309	Washer-Tab	2	50	302-5	Fitting-Grease	1
23	3220-7	Nut-Jam	2	51	3256-22	Washer-Flat	1
24	3272-13	Pin-Cotter	2	52	67-9410	Washer-Flat	1
25	241-119	Cap-Hub	2	53	32151-77	Ring-Retaining	1
26	232-35	Stem-Valve	2	54	76-2980	Washer-Thrust	1
27	253-129	Seal-Hub	2	55	76-2970	Bushing	2
28	76-4810	Pivot-Steering	1	56	3256-24	Washer-Flat	2
29	3296-51	Nut-Lock	1	57	93-0307	Nut-Lock, Retainer	2
30	21-0151	Joint-Ball LH	2				

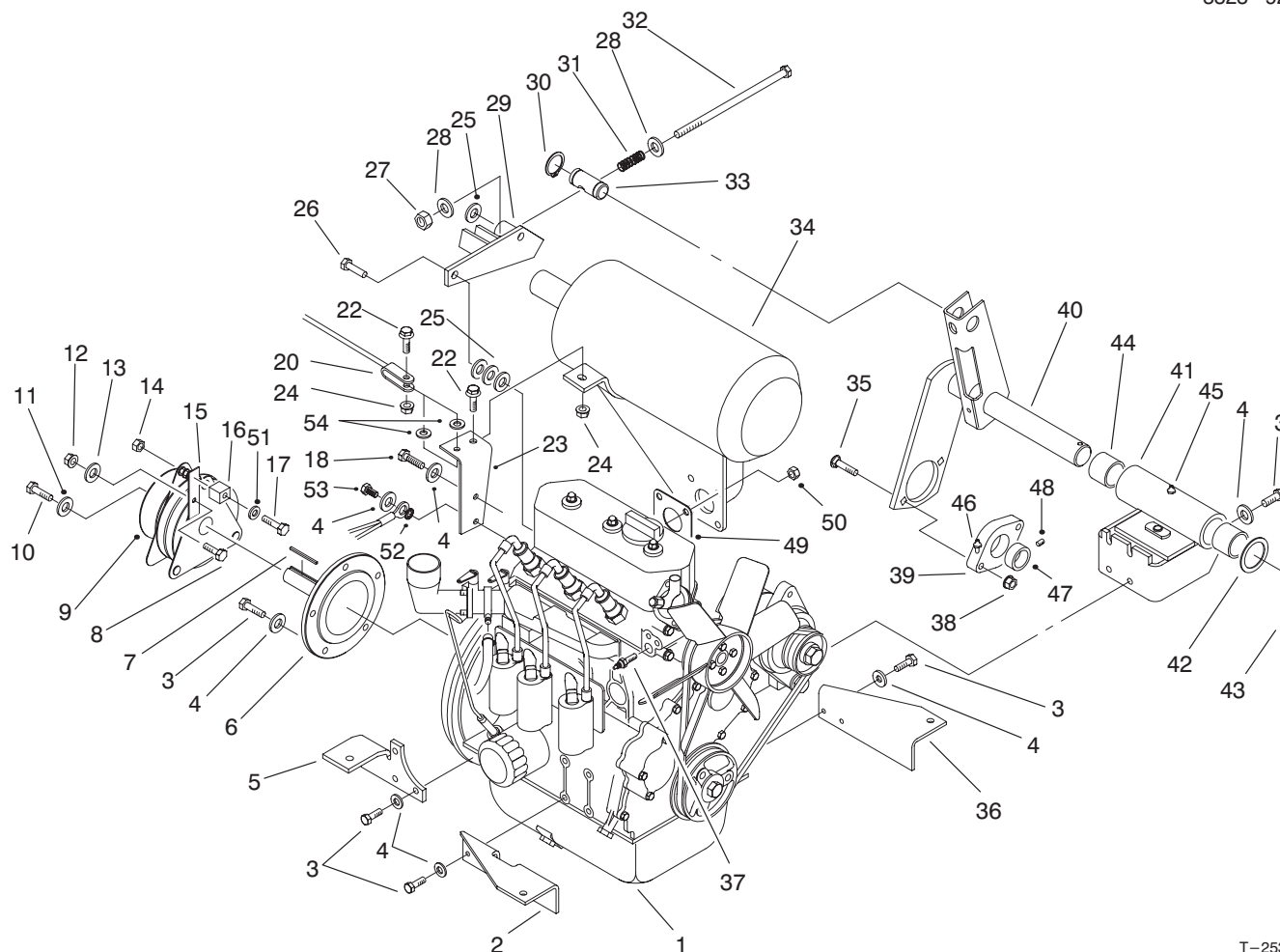


T-0541-3

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

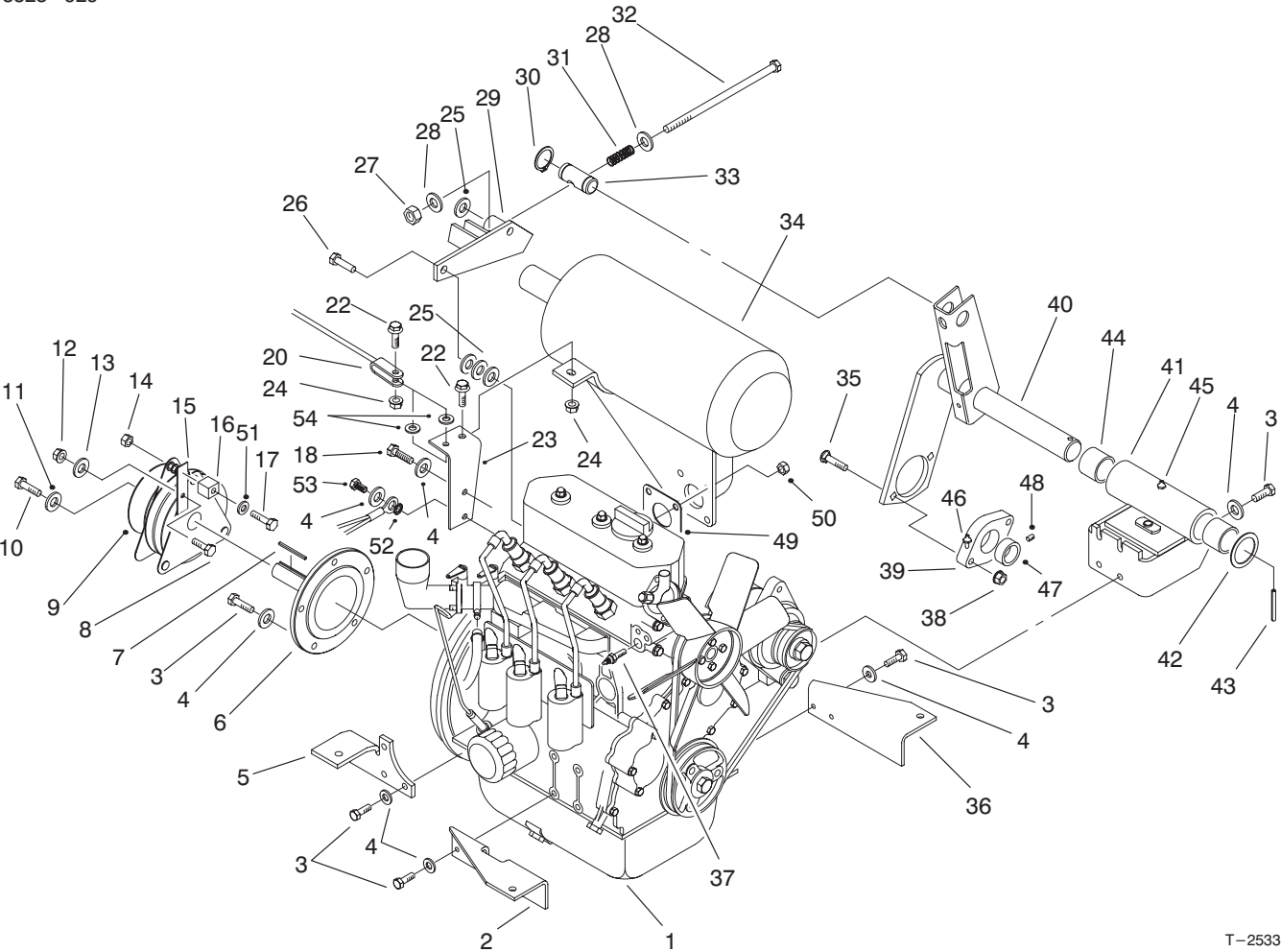


T-2533-5

Engine Installation Assembly

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	99-8440	Engine-Gas	1	29	94-7434	Bracket-Mounting	1
2	95-3300	Bracket-Engine, RH	1	30	32151-83	Ring-Retaining	2
3	66-3160	Screw	15	31	3-6624	Spring	1
4	48-8030	Washer-Flat	18	32	94-7431	Bolt	1
5	94-7416	Mount-Engine	1	33	63-6290	Pin-Tension	1
6	94-7430	Hub-Clutch	1	34	94-6412	Muffler-Exhaust	1
7	63-8150	Key-Square	1	*	75-6880	Screen-Spark Arrester	1
8	323-34	Screw	1	35	3230-4	Bolt-CARR	2
9	63-6050	Clutch-Electric, Brake	1	36	95-3097	Bracket-Engine, LH	1
10	3212-5	Screw-HH	1	37	94-3457	Sender-Temperature	1
11	67-1631	Spacer	1	38	32149-1	Nut-Keps	2
12	3296-59	Nut-Lock	1	39	92-8799	Bearing	
13	3256-24	Washer-Flat	2			(Incl. Ref. #46-48)	1
14	32153-4	Nut-Lock	1	40	63-6250	Shaft-Tension, PTO	1
15	94-7438	Lever-Anchor, Clutch	1	41	94-7344	Asm-Plate, Pivot	
16	95-6328	Bumper-Clutch	1			(Incl. Ref. 44 & 45)	1
17	321-8	Screw-HH	1	42	3-4324	Washer-Flat	1
18	48-7680	Screw-HH	2	43	32121-32	Pin-Roll	1
20	66-2870	Cable-Hood, Stop	1	44	256-299	Bushing	2
22	3234-29	Screw-HHF	2	45	302-5	Fitting-Grease, Straight	1
23	94-7433	Support-Muffler	1	46	302-40	Fitting-Grease 90°	1
24	32128-20	Nut-Lock	2	47	251-77	Collar-Locking	1
25	48-9580	Washer	4	48	3246-1	Screw-Set	1
26	33115-030	Bolt	1	49	53-8130	Gasket-Exhaust	1
27	32153-3	Nut-Lock	1	50	68-9400	Nut-Hex.	4
28	4-2390	Washer	2	51	3256-60	Washer-Flat	1

*Not Illustrated

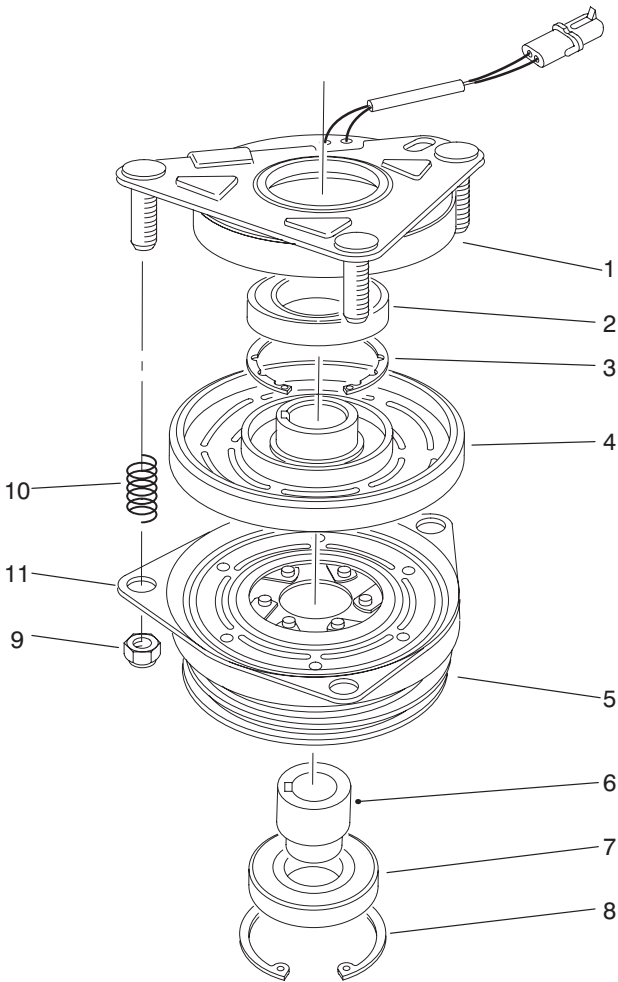


T-2533-5

Engine Installation Assembly (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
151	3256-60	Washer-Flat	1	54	3256-23	Washer-Flat	2
52	3255-8	Washer-Lock, Ext. Tooth	1	*	42-9850	Washer-Lock (Solenoid)	1
53	33114-016	Screw-Cap	1	*	57-6390	Nut-Jam (Starter Solenoid)	1

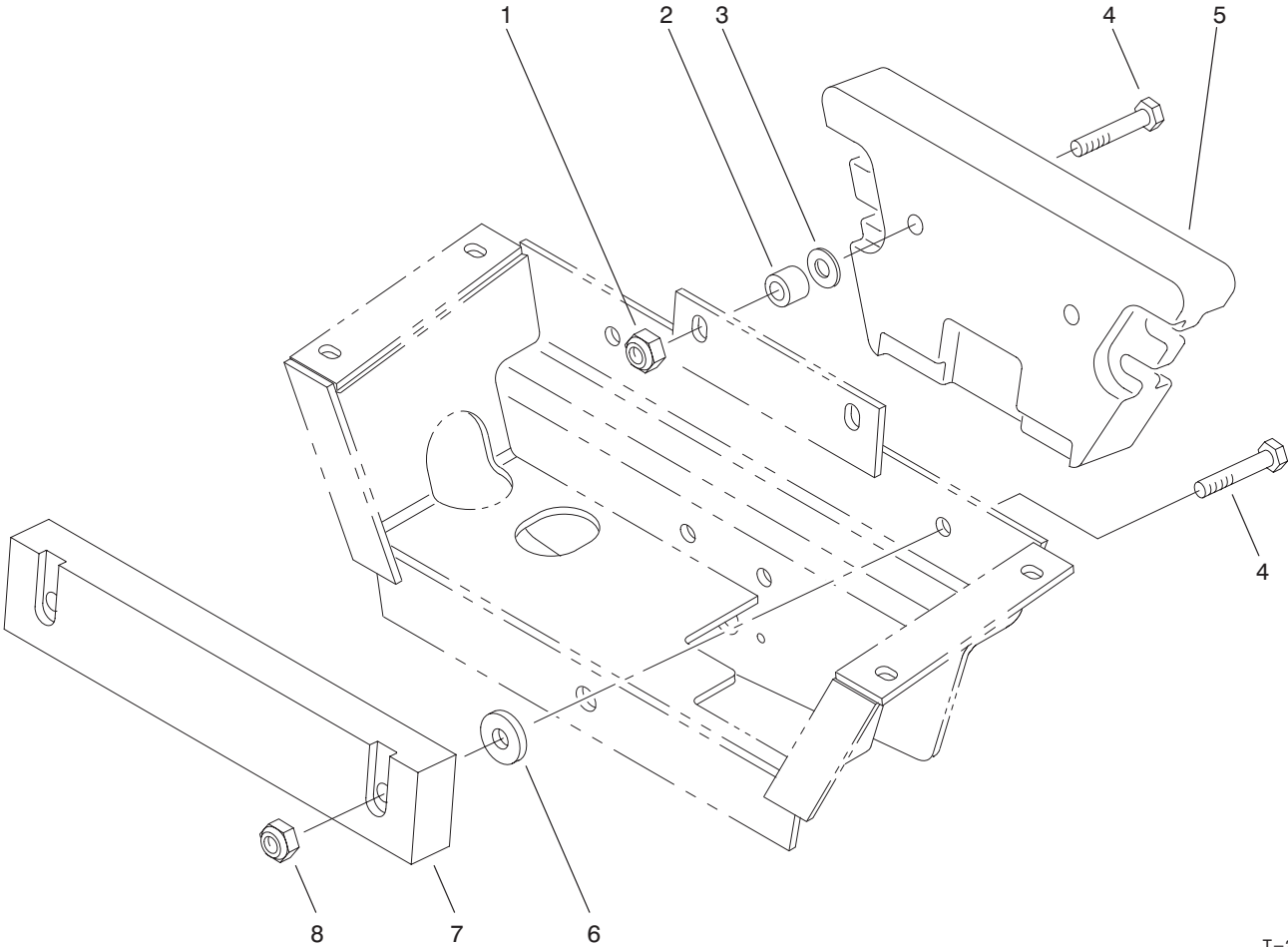
*Not Illustrated



T-0544-2

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		Asm-Field Coil Rotor & Bearing	1	9	3296-6	Nut-Lock	3
5	67-7070	Asm-Arm. & Pulley (Incl. Ref. #6-8)	1	10	44-8320	Spring	3
				11	67-7100	Plate-Brake	1

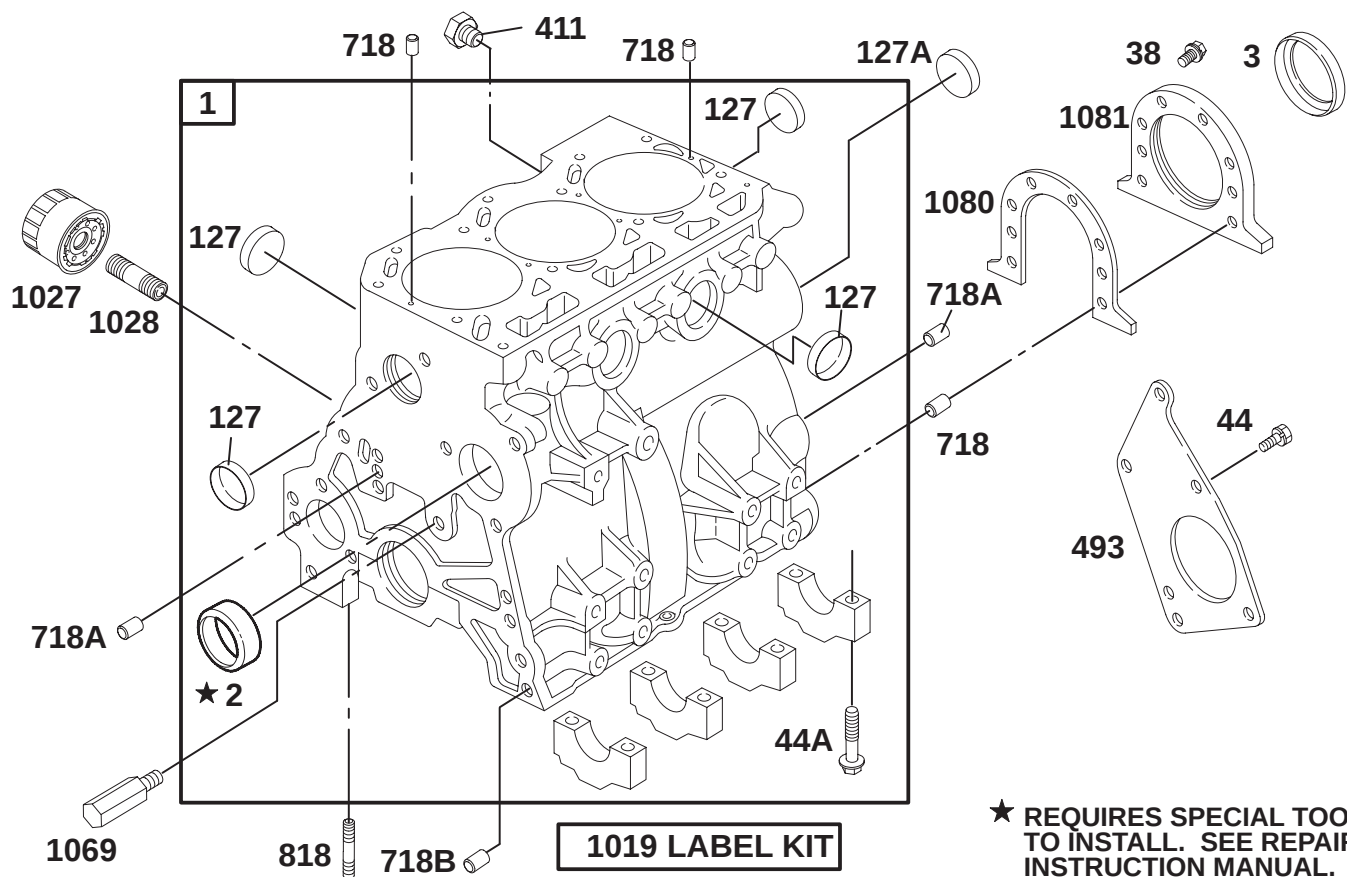


T-2734

Weight Assembly

Ref. No.	Part No.	Description	No. Used
1	3296-25	Nut-Lock	2
2	57-4230	Spacer	2
3	3256-26	Washer-Flat	2
4	325-9	Screw-HH	4
5	24-5790	Weight-Rear 35 lb	1

Ref. No.	Part No.	Description	No. Used
6	70-8040	Washer	2
7	92-8762	Weight-20 lb	1
8	3296-45	Nut-Lock	2

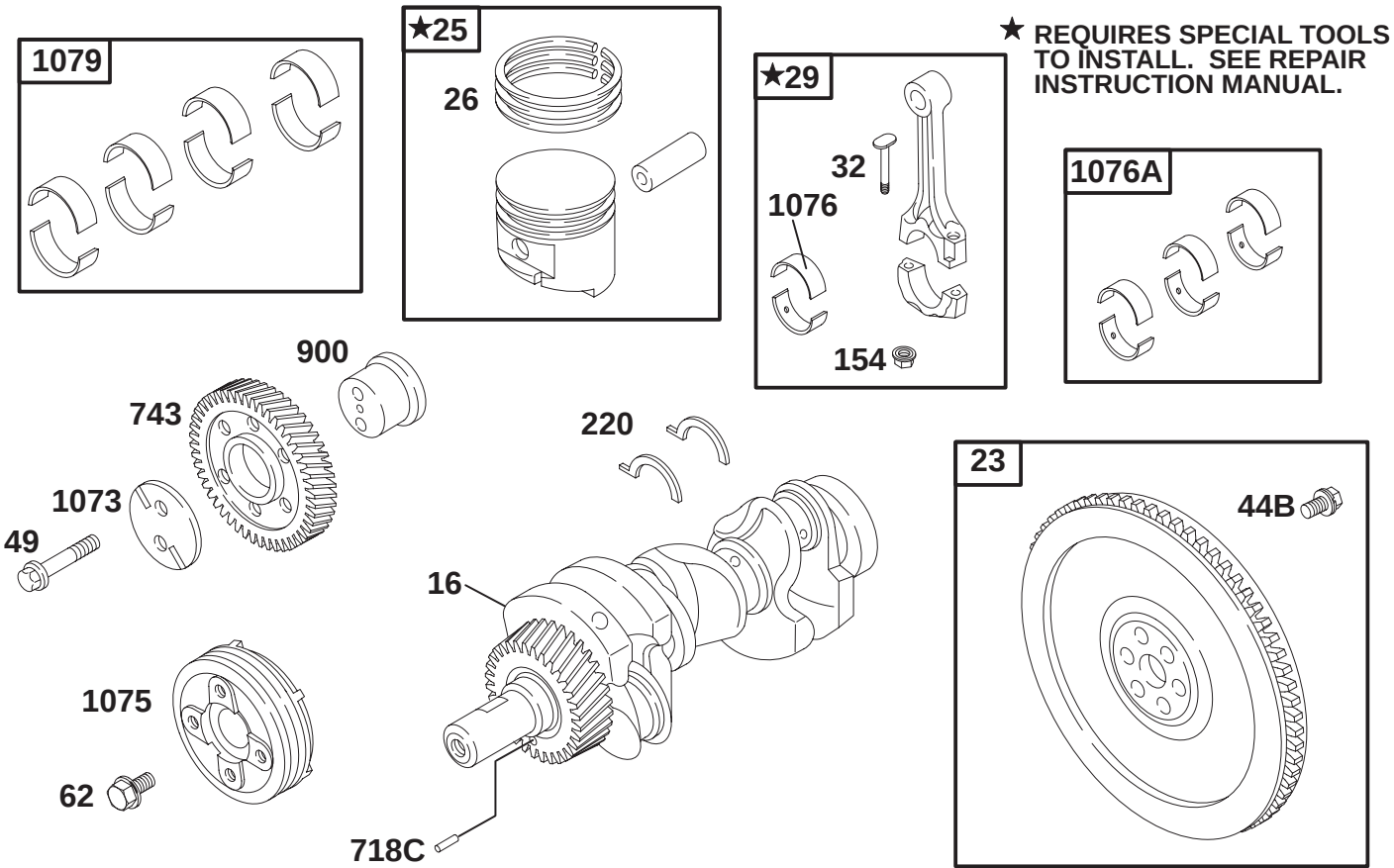


★ REQUIRES SPECIAL TOOLS
TO INSTALL. SEE REPAIR
INSTRUCTION MANUAL.

Sheet No.: 3

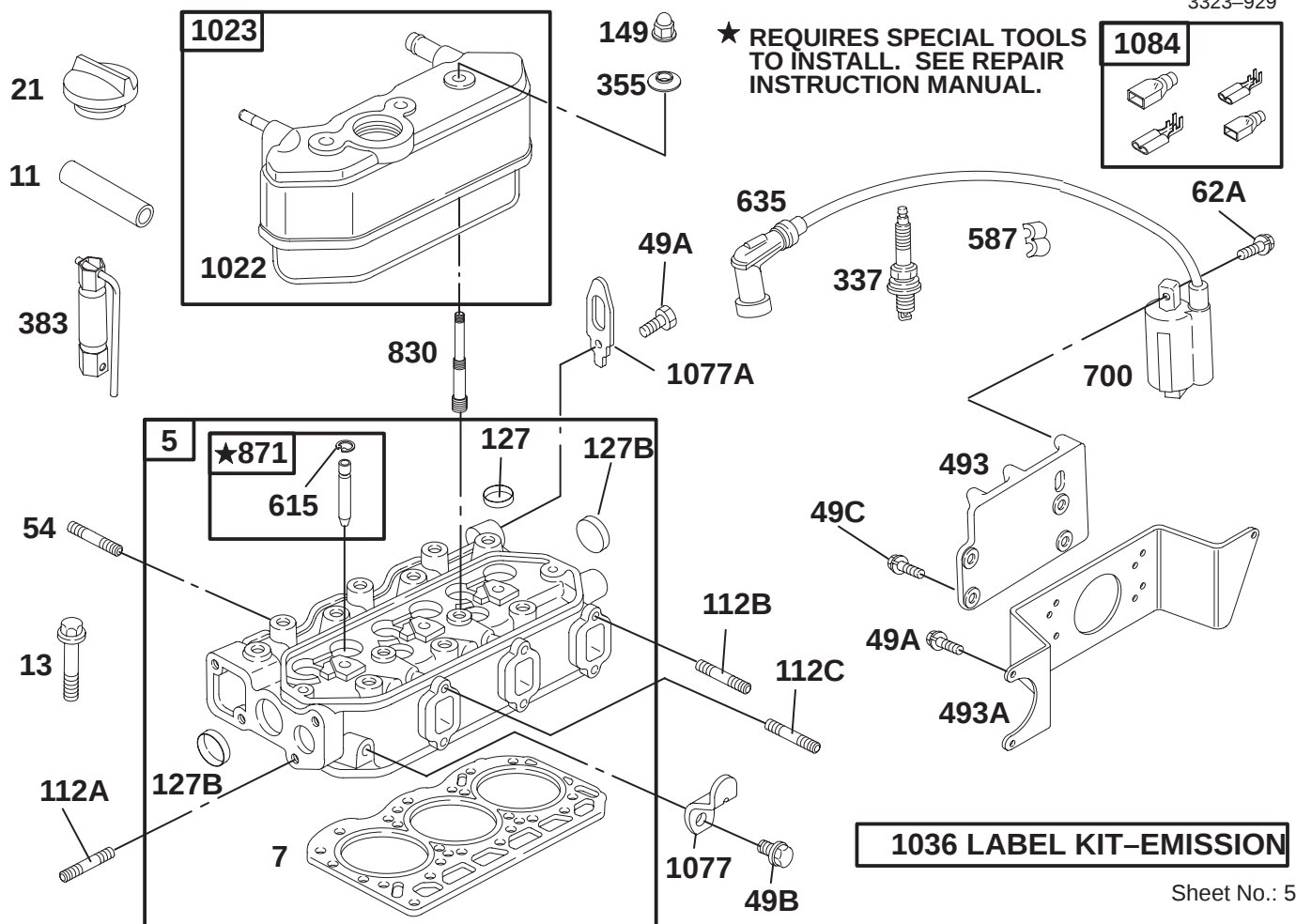
Cylinder Assembly

Ref. No.	Part No.	Qty.	Description
1	99-9251	1	ASM-Cylinder
2	99-9002	1	Bushing
3	99-9003	1	Seal-Oil
38	99-9004	6	Screw-Hex
44	99-9005	3	Screw-Hex
44A	99-9006	8	Screw-Hex
127	99-9008	7	Plug-Welch
127A	99-9009	1	Plug-Welch
411	99-9010	1	Plug-Welch (Camshaft)
493	99-9011	1	Bracket-Mounting
718	99-9012	4	Pin-Locating
718A	99-9013	3	Pin-Locating
718B	99-9014	2	Pin-Locating
818	99-9007	2	Stud-Metric
1019	99-9015	1	Label Kit
1027	99-9017	1	Filter-Oil
1027	99-9016	1	Filter-Oil
1028	99-9018	1	Adapter-Oil Filter
1069	99-9020	1	Nozzle-Oil
1080	99-9021	1	Gasket-Retainer
1081	99-9022	1	Retainer-Seal



Crankshaft Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
16	99-9252	1	Crankshaft	1079	99-9046	4	Bearing Set-Main, .010 Under
23	99-9024	1	Flywheel				
25	99-9025	3	Piston ASM, Standard				
25	99-9026	3	Piston ASM, .010 Over				
26	99-9028	3	Ring Set, .010 Over				
26	99-9027	3	Ring Set, Standard				
29	99-9029	3	Rod-Connecting				
32	99-9030	6	Screw-Connecting Rod				
44B	99-9031	6	Screw-10mm Hex				
49	99-9032	2	Screw-8mm Hex				
62	99-9033	1	Screw-Hex				
154	99-9034	6	Nut-Hex				
220	99-9035	1	Washer-Thrust				
220	99-9036	1	Washer-Thrust				
718C	99-9037	1	Pin-Locating				
743	99-9609	1	Gear-Drive				
900	99-9039	1	Shaft-Gear				
1073	99-9040	1	Plate-Idler Gear				
1075	99-9041	1	Pulley-Crankshaft				
1076	99-9042	3	Bearing-Rod				
1076A	99-9043	3	Bearing Set-Rod				
1076A	99-9044	3	Bearing Set-Rod, .010 Over				
1079	99-9045	4	Bearing Set-Main				



Cylinder Head Assembly

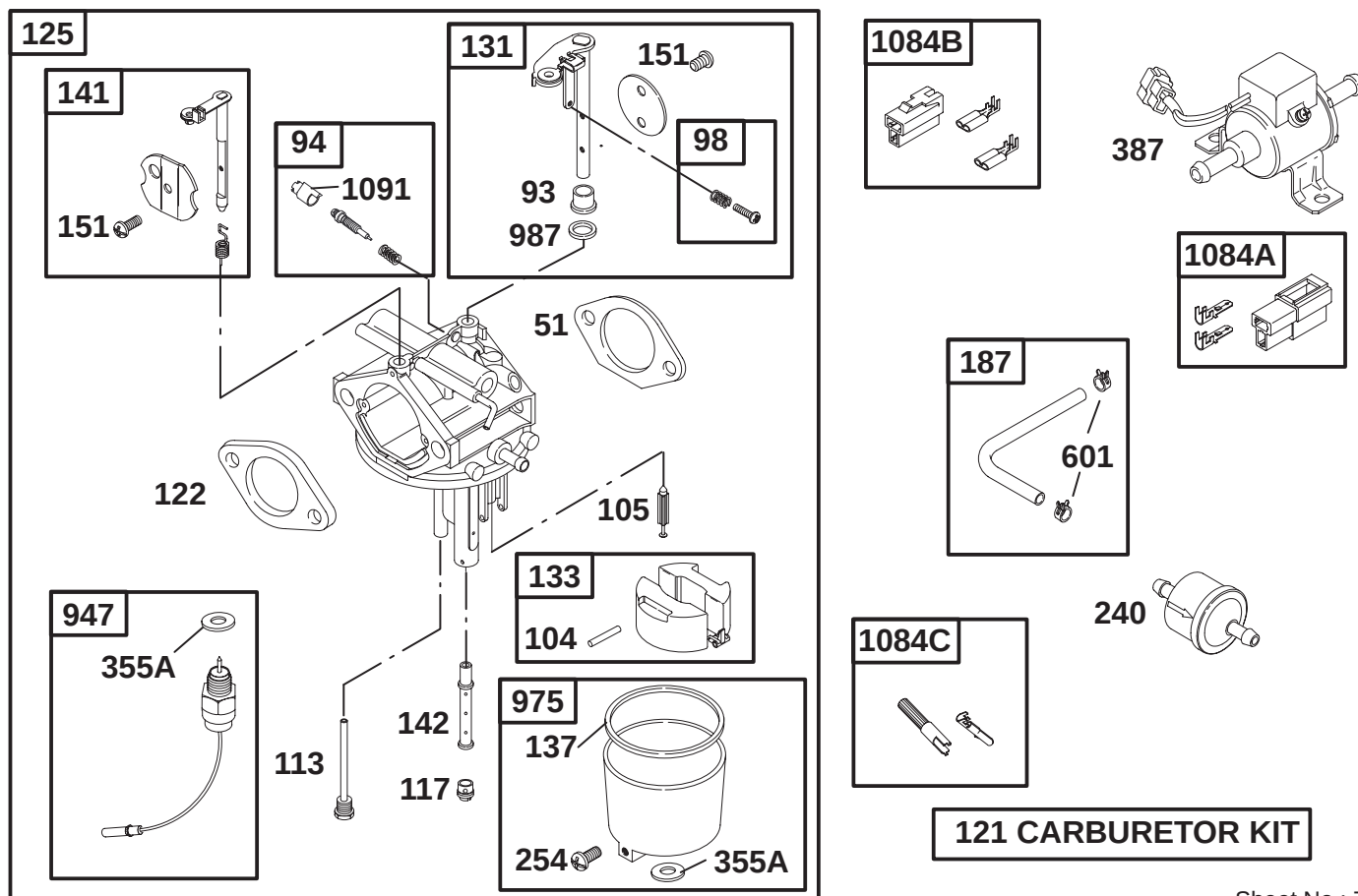
Ref. No.	Part No.	Qty.	Description
5	99-9253	1	Head-Cylinder
7	99-9254	1	Gasket-Cylinder Head
11	99-9049	1	Tube-Breather
13	99-9255	14	Screw-Hex
21	99-9052	1	Cap-Oil Fill
49A	99-9256	3	Screw-Hex
49B	99-9054	2	Screw-8mm Hex
49C	99-9202	4	Screw-8mm Hex
54	99-9055	2	Stud-Metric
62A	99-9056	6	Screw-Hex
112A	99-9057	2	Stud-Metric
112B	99-9058	5	Stud-Metric
112C	99-9059	1	Stud-Metric
127	99-9008	2	Plug-Welch
127B	99-9060	2	Plug-Welch
149	99-9061	3	Nut-Metric Hex
337	99-9062	3	Plug-Spark
355	99-9063	3	Washer-Seal
383	99-9064	1	Wrench-Spark Plug
493	99-9065	1	Bracket-Mounting
493A	99-9220	1	Bracket-Support
587	99-9066	2	Clip-Wire
615	99-9067	6	Retainer
635	99-9068	3	Boot-Spark Plug
700	99-9069	3	Coil-Ignition
830	99-9101	3	Stud-Rocker Arm

Ref. No.	Part No.	Qty.	Description
871	99-9070	6	Bushing-Guide
1022	99-9073	1	Gasket-Rocker Cover
1023	99-9074	1	Cover-Rocker
1036	99-9075	1	Label-Kit Emission
1077	99-9076	1	Bracket-Lifting
1077A	99-9077	1	Bracket-Lifting
1084	99-9078	1	Connector



Ref. No.	Part No.	Qty.	Description
10	99-9004	4	Screw-Hex
10A	99-9111	4	Screw-6mm Hex
50	99-9172	1	Manifold-Intake
51	99-9182	1	Gasket-Intake
51A	99-9173	1	Gasket-Intake
53	99-9183	2	Stud-Carb. Mounting
122	99-9184	1	Spacer-Carburator
151	99-9174	4	Stud-Exhaust Manifold
154	99-9186	2	Nut-Metric Hex
354A	99-9114	2	Nut-Metric Hex
354D	99-9176	4	Nut-Metric Hex
354E	99-9175	6	Nut-Metric Hex
431	99-9257	1	Intake Elbow
436	99-9177	1	Manifold-Exhaust
883	99-9178	1	Gasket-Exhaust
883A	99-9179	1	Gasket-Exhaust
918	99-9222	1	Hose-Vacuum
1011	99-9198	1	Tube-Vent
1061	99-9180	1	Cover-Outlet
1112	99-9223	1	Plug-Vent

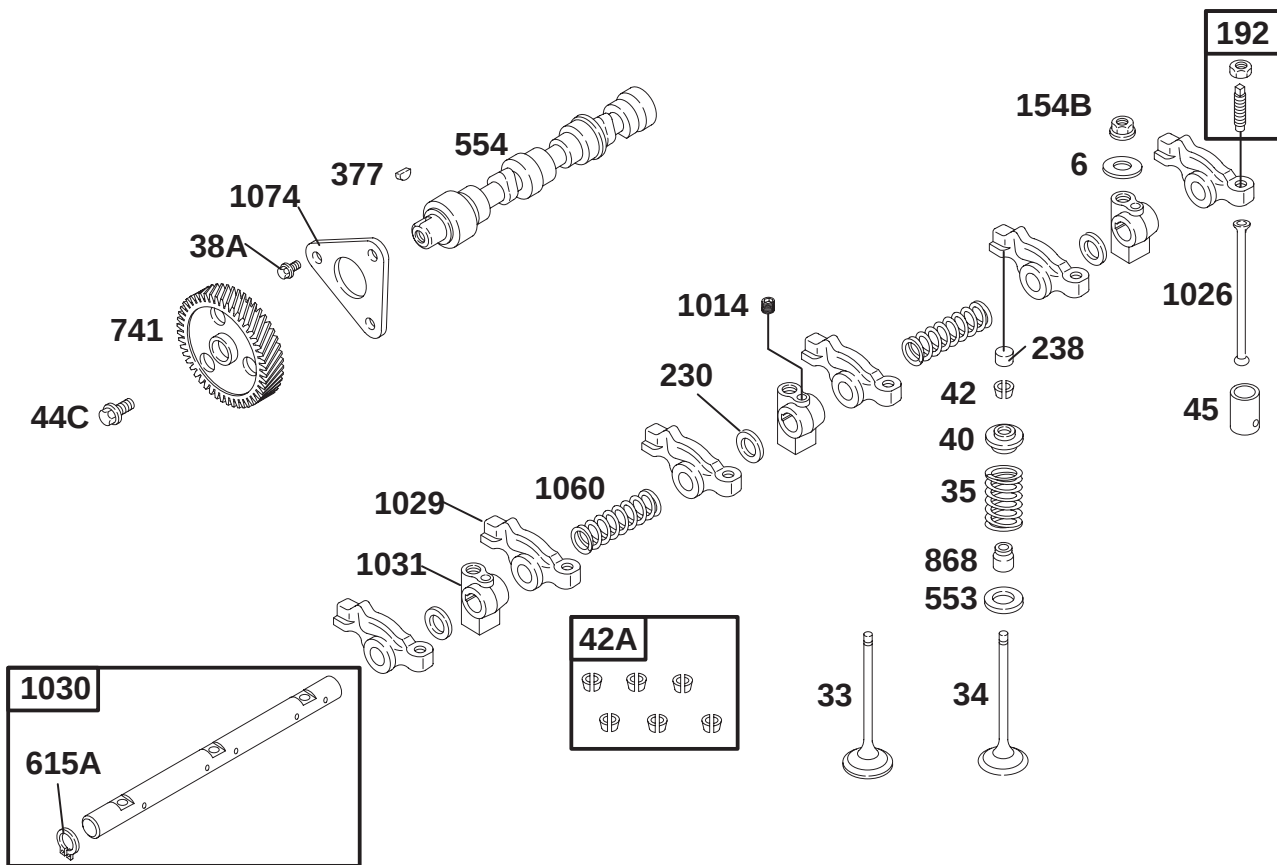
Ref. No.	Part No.	Qty.	Description



Sheet No.: 7

Carburetor Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
51	99-9182	1	Gasket-Intake	1084A	99-9199	1	Connector
94	99-9224	1	Valve-Idle Adj.	1084B	99-9213	1	Connector
98	99-9225	1	Screw-Idle Speed	1084C	99-9245	1	Connector
104	99-9226	1	Pin-Float Hinge	1091	99-9246	1	Cap-Limiter
105	99-9227	1	Valve-Needle				
113	99-9228	1	Tube-Jet				
117	99-9230	1	Jet - Main (High Altitude)				
117	99-9229	1	Jet-Main				
121	99-9231	1	Carburetor Kit				
122	99-9184	1	Spacer-Carburator				
125	99-9185	1	Carburetor				
131	99-9232	1	Shaft-Throttle				
133	99-9233	1	Float-Carburetor				
137	99-9234	1	Gasket-Float Bowl				
141	99-9235	1	Shaft-Choke				
142	99-9236	1	Nozzle-Carburetor				
151	99-9237	1	Screw-Cross/Slotted				
187	99-9238	1	Line-Fuel				
240	99-9193	1	Filter-Fuel				
254	99-9239	1	Drain-Carb. Bowl				
355A	99-9240	1	Washer-Seal				
387	99-9196	1	Pump-Fuel				
601	99-9242	1	Clamp-Hose				
947	99-9243	1	Solenoid-Fuel				
975	99-9244	1	Bowl-Float				

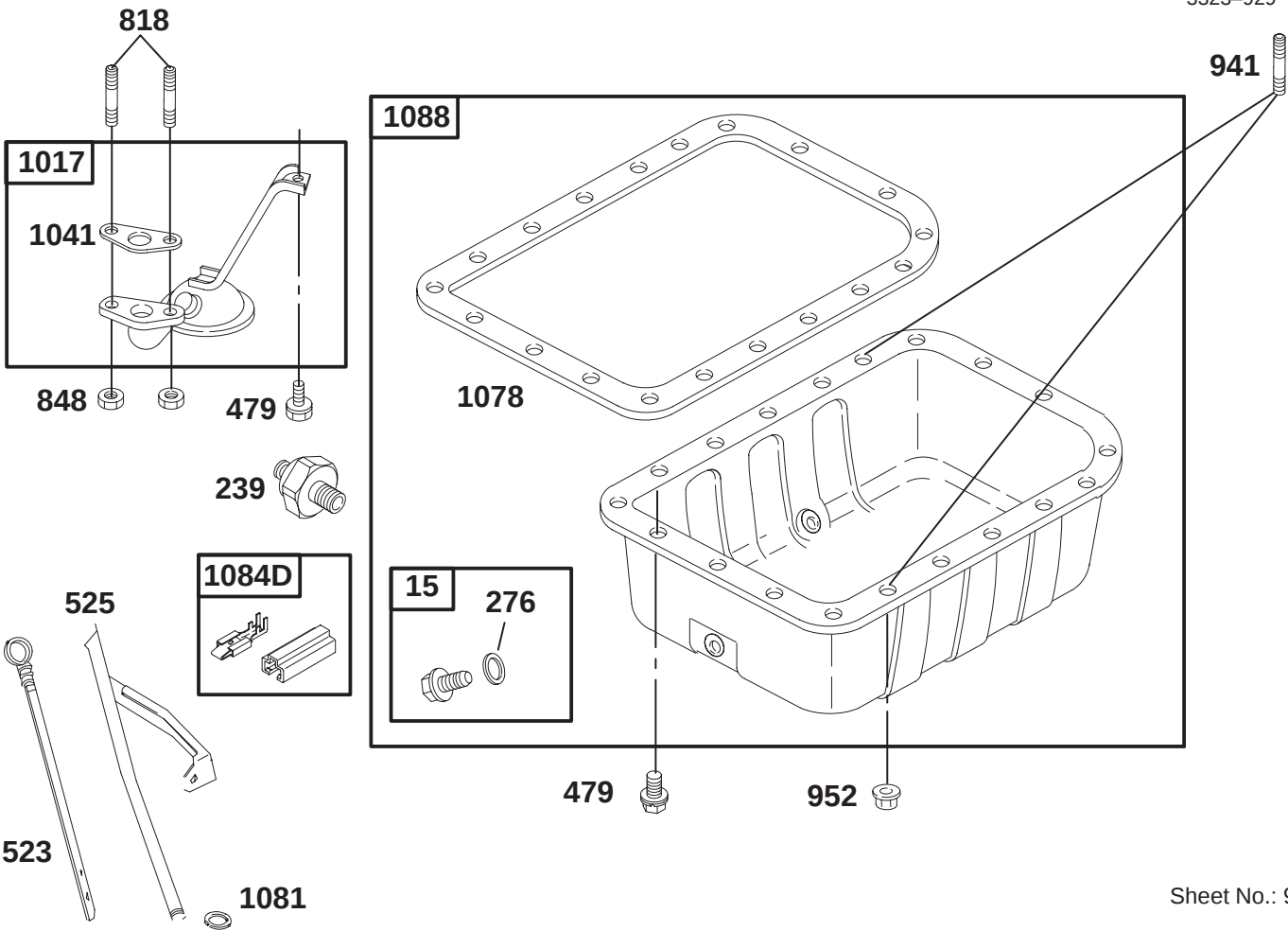


Sheet No.: 8

Rocker Arm Assembly

Ref. No.	Part No.	Qty.	Description
6	99-9079	3	Washer-Flat
33	99-9080	3	Valve-Exhaust
34	99-9081	3	Valve-Exhaust
35	99-9082	6	Spring-Valve
38A	99-9083	3	Screw-6mm Hex
40	99-9084	6	Retainer-Valve
42	99-9086	1	Keeper-Valve
42A	99-9087	6	Keeper-Valve
44C	99-9085	1	Screw-Metric
45	99-9088	6	Tappet-Valve
154B	99-9091	3	Nut-Metric Hex
192	99-9092	6	Adjuster-Rocker Arm
230	99-9093	3	Washer-Spacer
238	99-9094	6	Cap-Valve
377	99-9095	1	Key-Woodruff
553	99-9096	6	Seat-Valve Spring
554	99-9097	1	Shaft-Cam
615A	99-9099	2	Retainer
741	99-9641	1	Gear-Cam
868	99-9102	6	Seal-Valve
1014	99-9090	3	Screw-Metric
1026	99-9103	6	Rod-Push
1029	99-9104	6	Arm-Rocker
1030	99-9106	1	Shaft-Rocker Arm
1031	99-9107	3	Support-Rocker Arm

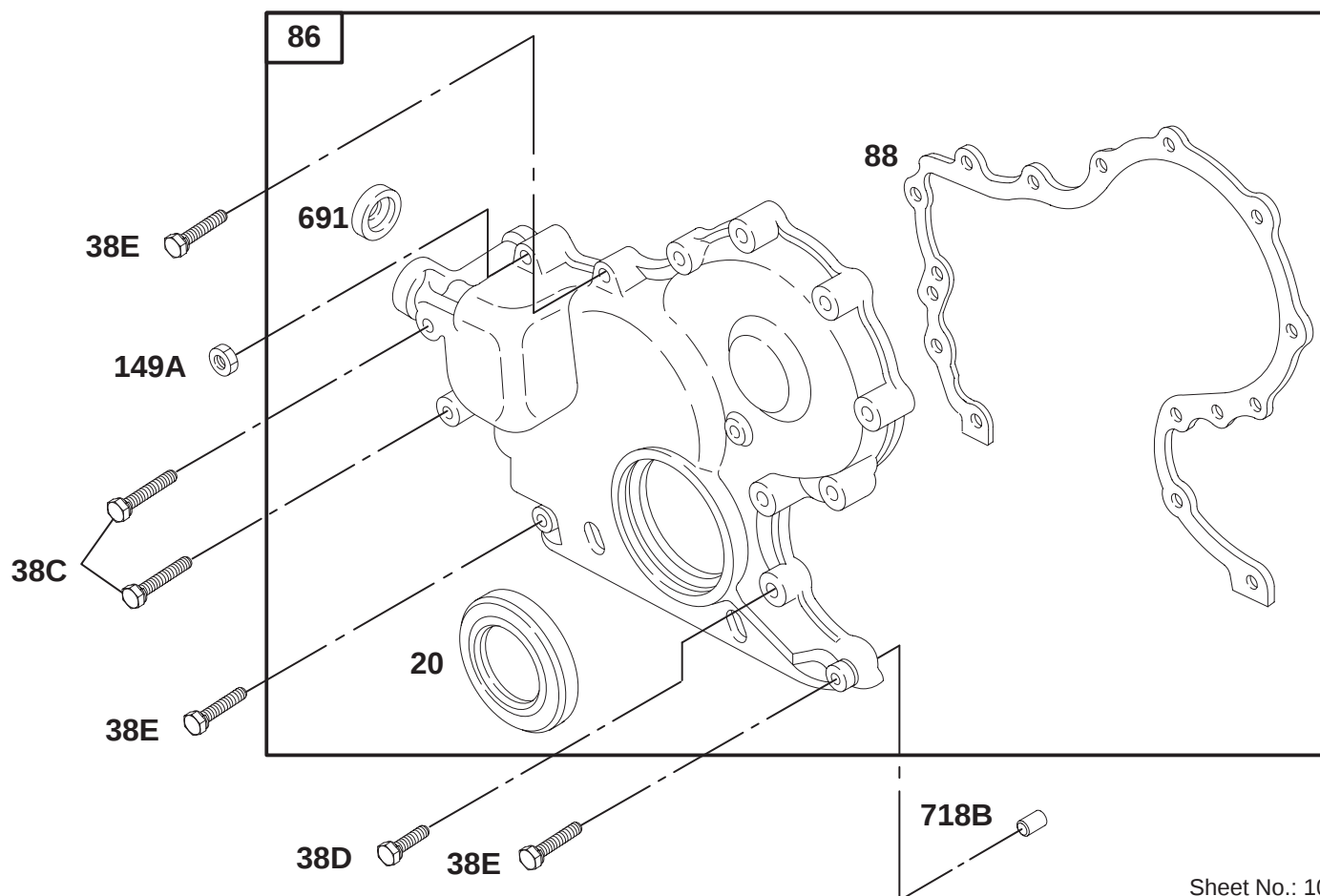
Ref. No.	Part No.	Qty.	Description
1060	99-9108	2	Spring-Rocker Shaft
1074	99-9109	1	Retainer-Camshaft



Sheet No.: 9

Oil Pan & Dipstick

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
15	99-9247	2	Plug-Oil Drain (16mm)				
239	99-9115	1	Switch-Oil Pressure				
276	99-9249	2	Washer-Seal (16mm)				
479	99-9111	18	Screw-6mm Hex				
523	99-9259	1	Dipstick				
525	99-9260	1	Tube-Dipstick				
818	99-9007	2	Stud-Metric				
848	99-9113	2	Nut-Metric Hex				
941	99-9112	2	Stud-Metric				
952	99-9114	2	Nut-Metric Hex				
1017	99-9116	1	Screen-Oil Pump				
1041	99-9120	1	Gasket-Oil Strainer				
1078	99-9121	1	Gasket-Oil Pan				
1081	99-9265	1	O-Ring Seal (Dipstick)				
1084D	99-9124	1	Connector				
1088	99-9241	1	Pan-Oil (16mm Dual Drain)				

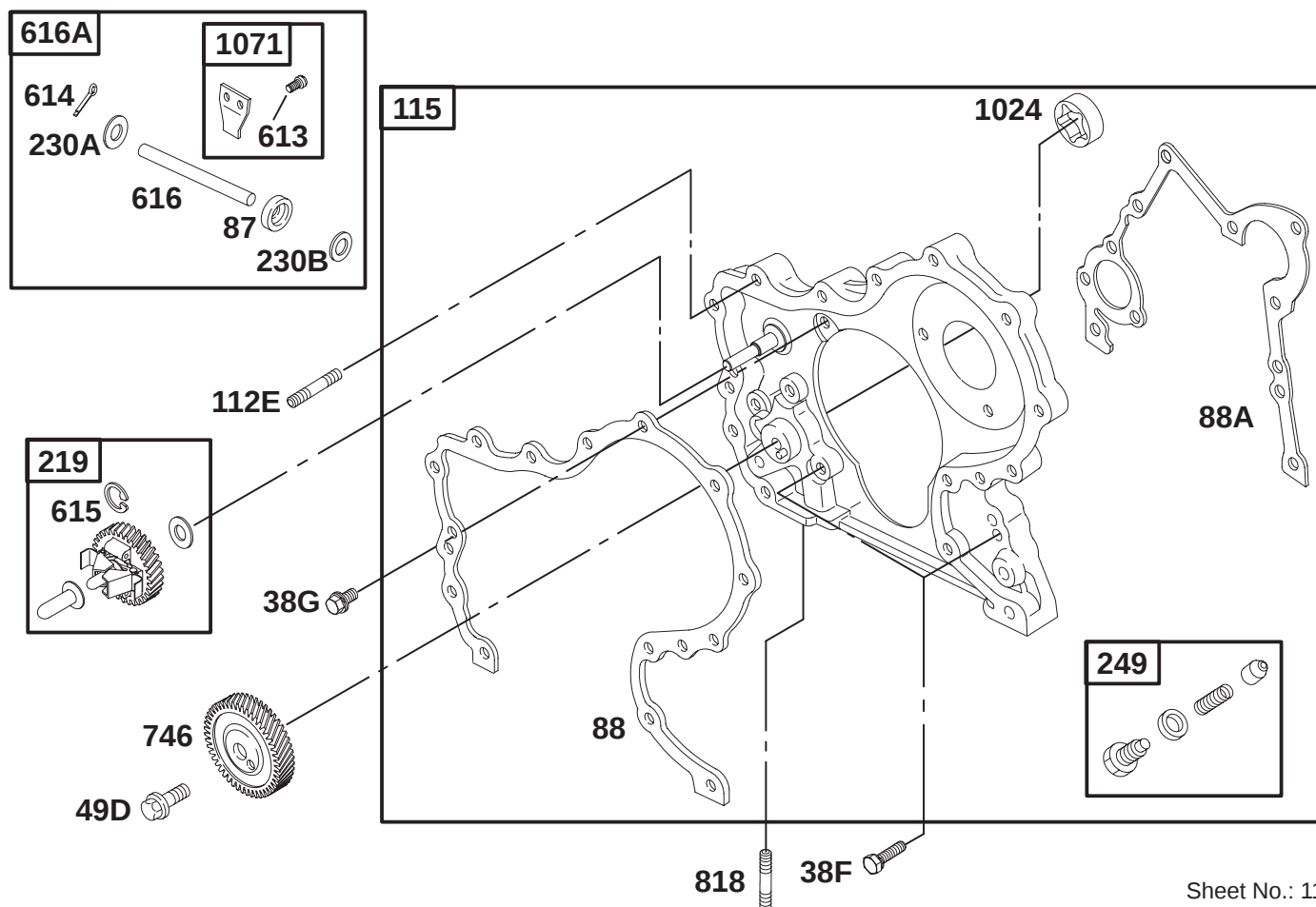


Sheet No.: 10

Cover Assembly

Ref. No.	Part No.	Qty.	Description
20	99-9126	1	Seal-Oil
38C	99-9127	2	Screw-Hex
38D	99-9128	6	Screw-6mm Hex
38E	99-9129	3	Screw-6mm Hex
86	99-9130	1	ASM-Cover, Gear
88	99-9132	1	Gasket-Cover
149A	99-9114	2	Nut-Metric Hex
691	99-9131	1	Seal-Governor Shaft
718B	99-9014	2	Pin-Locating

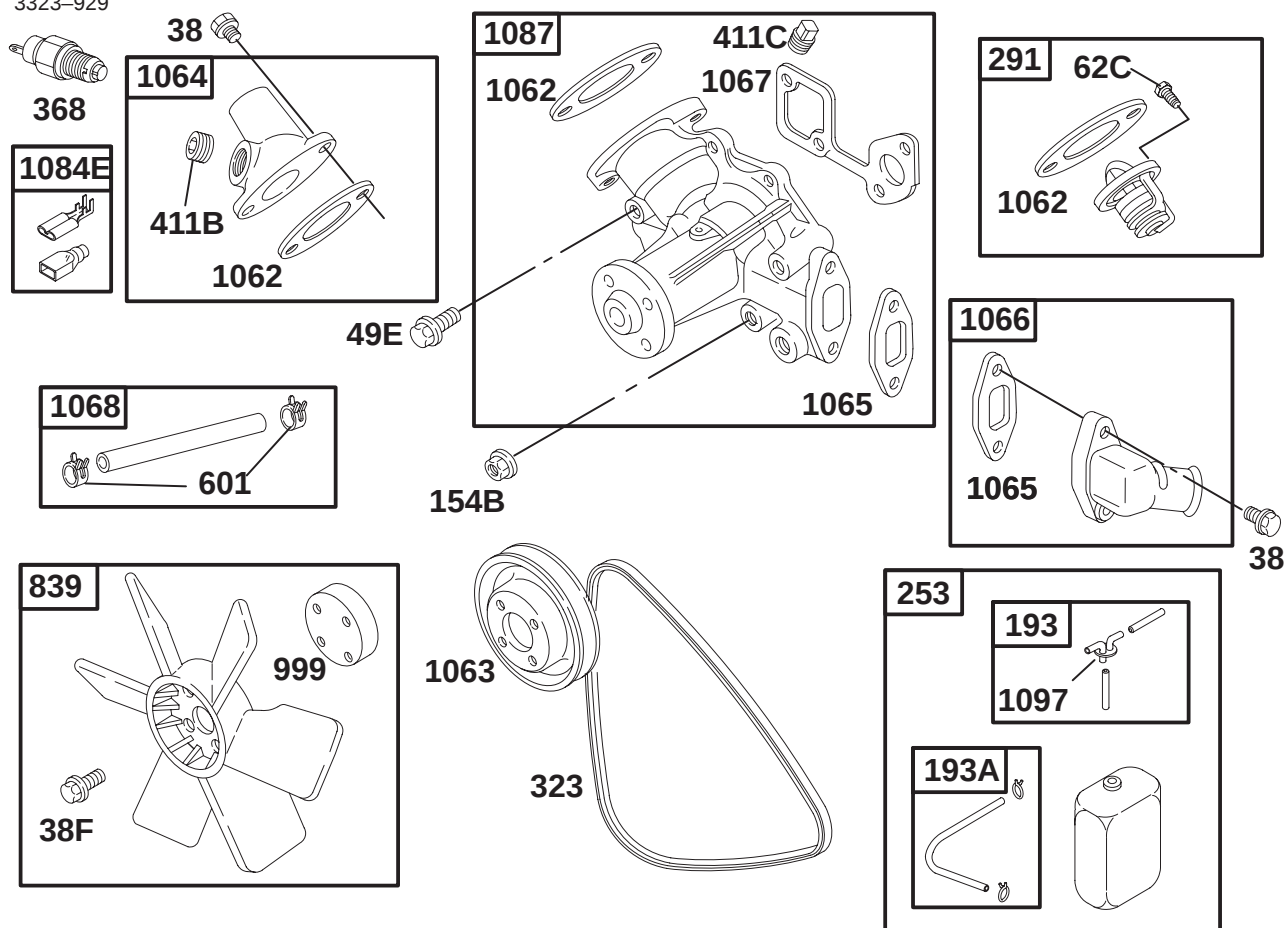
Ref. No.	Part No.	Qty.	Description



Sheet No.: 11

Gears & Housing

Ref. No.	Part No.	Qty.	Description
38F	99-9133	4	Screw-6mm Hex
38G	99-9134	1	Screw-6mm Hex
49D	99-9135	1	Screw-8mm Hex
87	99-9131	1	Seal-Governor Shaft
88	99-9132	1	Gasket-Cover
88A	99-9136	1	Gasket-Gear Cover
112E	99-9137	2	Stud-Metric
115	99-9138	1	Housing-Gear
219	99-9261	1	Gear-Governor
230A	99-9140	1	Washer-Spacer
230B	99-9141	1	Washer-Spacer
249	99-9142	1	Valve-Oil Relief
613	99-9143	2	Screw-Torx Hex
614	99-9053	1	Pin-Cotter
615	99-9145	1	Retainer
616	99-9146	1	Crank-Governor
616A	99-9147	1	Crank-Governor
746	99-9656	1	Gear-Drive
818	99-9007	2	Stud-Metric
1071	99-9149	1	Paddle-Governor

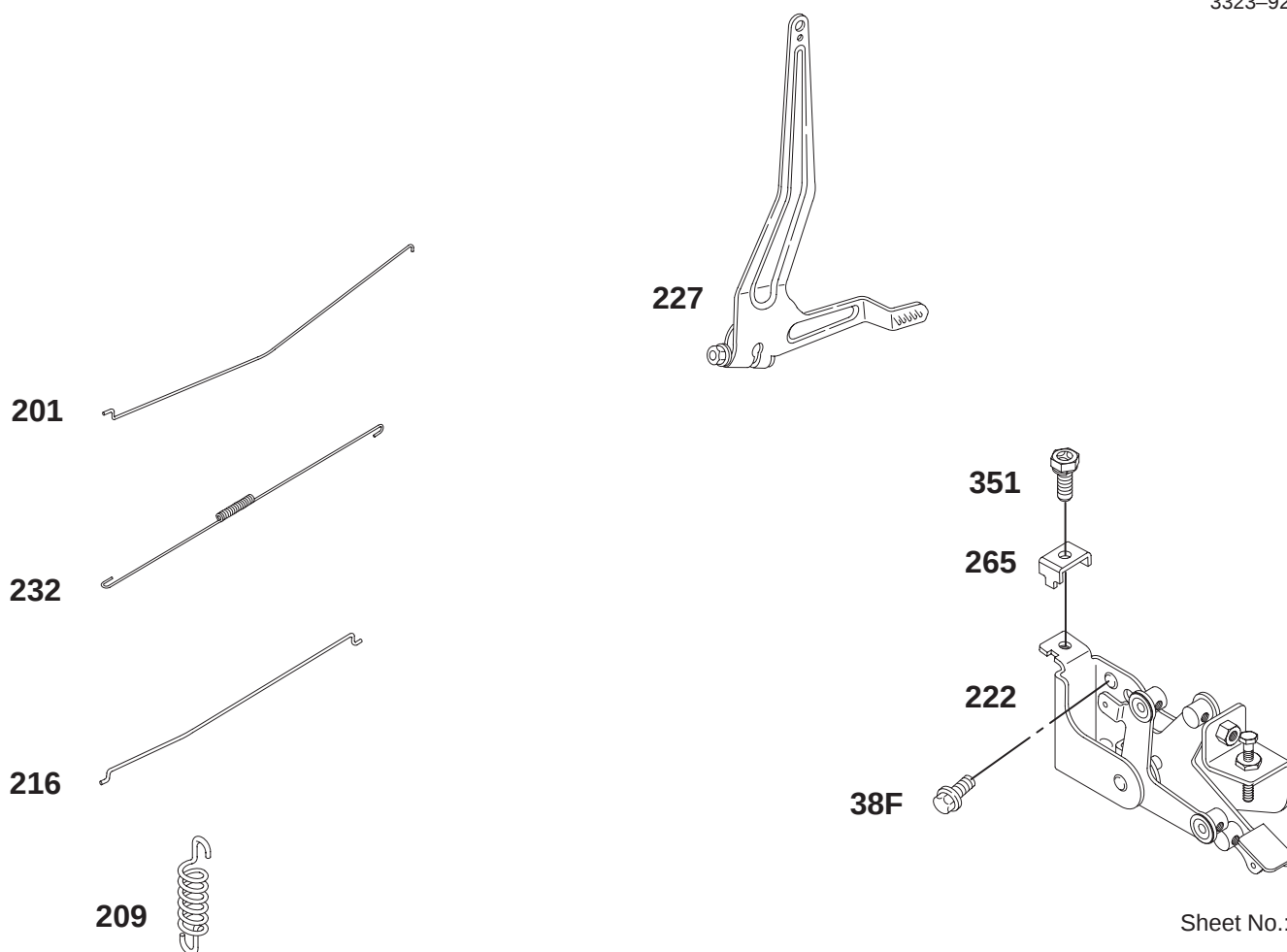


Sheet No.: 12

Water Pump & Fan Assembly

Ref. No.	Part No.	Qty.	Description
38	99-9004	4	Screw-Hex
38F	99-9133	4	Screw-6mm Hex
49E	99-9151	2	Screw-8mm Hex
62C	99-9152	1	Screw-Metric
154B	99-9153	1	Nut-Metric Hex
193	99-9071	1	Hose-Reserve Tank
193A	99-9072	1	Hose-Reserve Tank
253	99-9154	1	Tank-Reserve
291	99-9155	1	Thermostat
323	99-9156	1	Belt-Vee
368	99-9157	1	Switch-Water Temp.
411B	99-9158	1	Plug
411C	99-9159	1	Plug
601	99-9160	2	Clamp-Hose
839	99-9162	1	Fan-Radiator
999	99-9161	1	Spacer
1062	99-9163	1	Gasket-Outlet
1063	99-9164	1	Pulley-Pump
1064	99-9165	1	Housing-Outlet
1065	99-9166	1	Gasket-Inlet Housing
1066	99-9167	1	Housing-Inlet
1067	99-9168	1	Gasket-Water Pump
1068	99-9169	1	ASM-Hose Clamp
1084E	99-9098	1	Connector
1087	99-9170	1	Pump-Water
1097	99-9171	1	Cap-Surge Tank

Ref. No.	Part No.	Qty.	Description

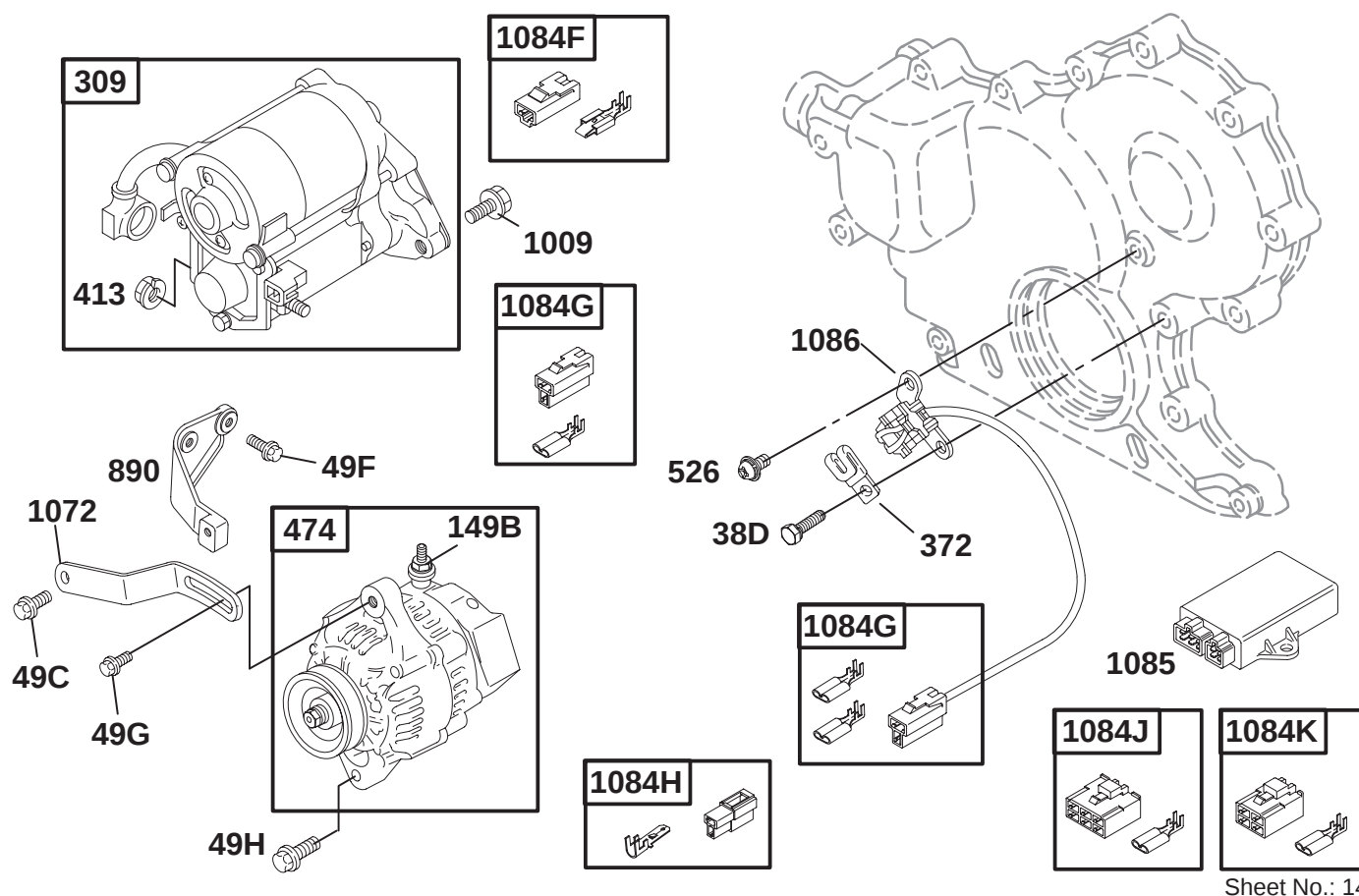


Sheet No.: 13

Governor Assembly

Ref. No.	Part No.	Qty.	Description
38F	99-9181	2	Screw-Hex
201	99-9187	1	Link-Mech. Governor
209	99-9188	1	Spring-Governor
216	99-9189	1	Link-Choke
222	99-9190	1	Bracket-Control
227	99-9191	1	Lever-Governor
232	99-9192	1	Spring-Link
265	99-9194	1	Clamp-Casing
351	99-9195	1	Screw-Phillips, Hex

Ref. No.	Part No.	Qty.	Description



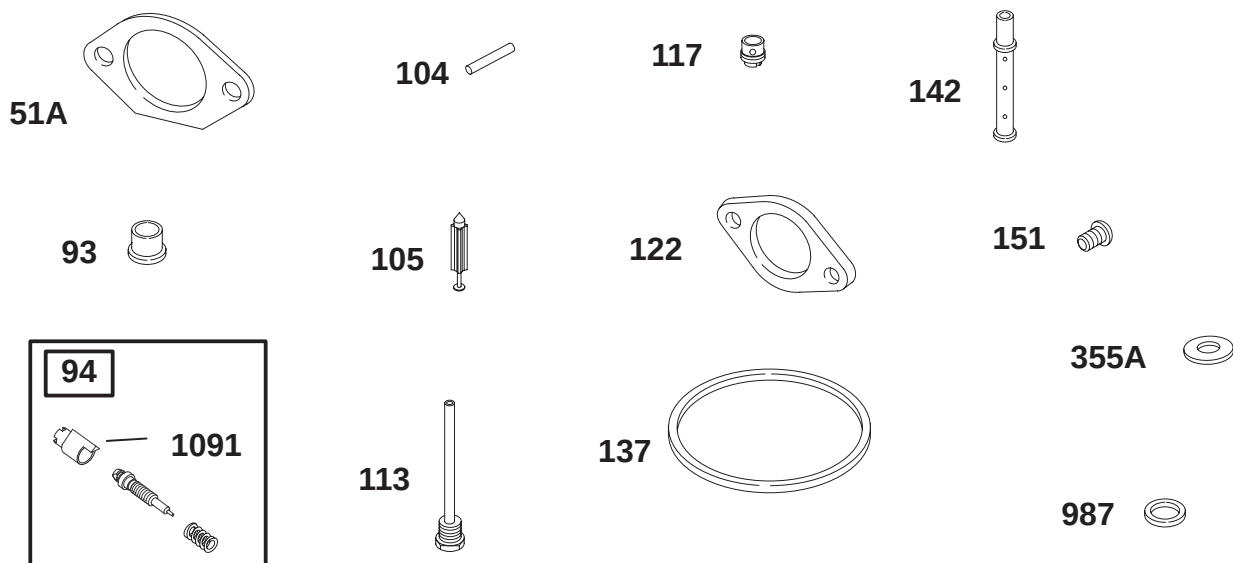
Alternator & Starter Assembly

Ref. No.	Part No.	Qty.	Description
38D	99-9128	1	Screw-6mm Hex
49C	99-9202	1	Screw-8mm Hex
49F	99-9203	2	Screw-8mm Hex
49G	99-9105	1	Screw-Hex
49H	99-9205	1	Screw-Metric Hex
149B	99-9114	1	Nut-Metric Hex
309	99-9207	1	Motor-Starter
372	99-9208	1	Clamp
413	99-9206	1	Nut-Metric Hex
474	99-9209	1	Alternator
526	99-9210	1	Screw-Phillips
890	99-9211	1	Bracket-Support
1009	99-9201	2	Screw-10mm Hex
1072	99-9212	1	Bracket-Adjusting
1084F	99-9144	1	Connector
1084G	99-9213	1	Connector
1084H	99-9199	1	Connector
1084J	99-9214	1	Connector
1084K	99-9215	1	Connector
1086	99-9217	1	Trigger-Ignition

Ref. No.	Part No.	Qty.	Description



121 CARBURETOR KIT



Sheet No.: 16

Carburetor Kit

Ref. No.	Part No.	Qty.	Description
51A	99-9182	1	Gasket-Intake
94	99-9224	1	Valve-Idle Adj.
104	99-9226	1	Pin-Float Hinge
105	99-9227	1	Valve-Needle
113	99-9228	1	Tube-Jet
117	99-9229	1	Jet-Main
121	99-9231	1	Carbuertor Kit
122	99-9184	1	Spacer-Carburator
137	99-9234	1	Gasket-Float Bowl
142	99-9236	1	Nozzle-Carburetor
151	99-9237	1	Screw-Cross/Slotted
355A	99-9240	1	Washer-Seal
1091	99-9246	1	Cap-Limiter

Ref. No.	Part No.	Qty.	Description

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 225 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 225, 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 225.
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

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