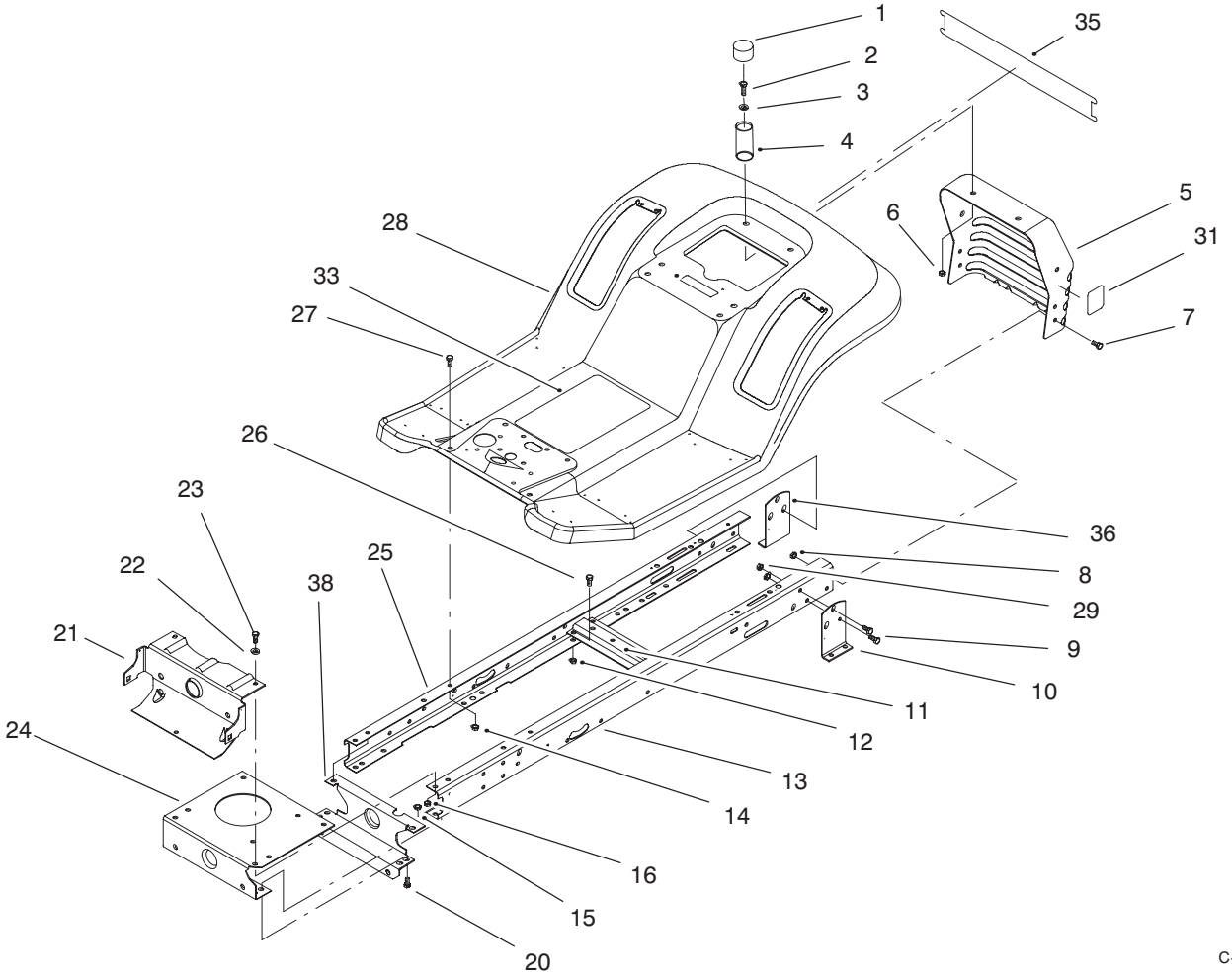
FORM NO. 3318–367

TORO®

MODEL NO. 71196–6900001 & UP

PARTS CATALOG

1644HXL LAWN TRACTOR



C–2431

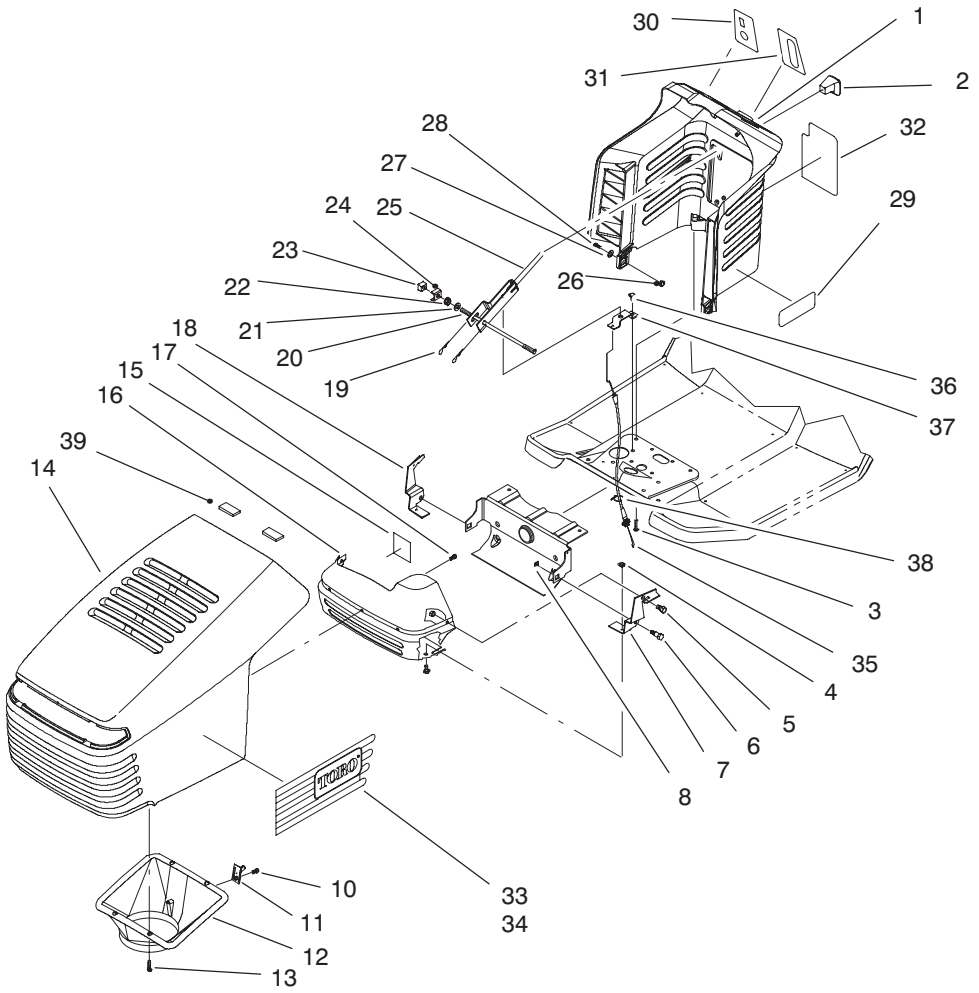
FRAME ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	701178	Cap – Protector	2
2	322–5	Screw – Hex Hd. Cap	2
3	3256–23	Washer – Flat	2
4	88–6220	Spring – Compression	2
5	88–3940	Panel – Rear Hitch	1
6	3296–29	Nut – Lock	2
7	322–3	Screw – Hex Hd. Cap	4
8	3296–29	Nut – Lock	4
9	322–3	Screw – Hex Hd. Cap	4
10	93–3857	Bracket – Trans. Mtg. L.H.	1
11	88–4620	Bracket – Idler Pivot	1
12	3296–29	Nut – Hex Lock	4
13	94–1999	Frame – Rail L.H.	1
14	3296–29	Nut – Lock	2
15	3296–29	Nut – Lock	6
16	3296–29	Nut – Lock	2

Ref. No.	Part No.	Description	No. Used
20	322–3	Screw – Hex Hd. Cap	6
21	93–3834	Support – Front Axle	1
22	3256–23	Washer – Flat	2
23	322–3	Screw – Hex Hd. Cap	2
24	88–4630	Plate – Engine Mounting	1
25	94–1998	Frame – Rail R.H.	1
26	322–3	Screw – Hex Hd. Cap	4
27	322–3	Screw – Hex Hd. Cap	2
28	88–3840	Body – Rear	1
29	3296–29	Nut – Lock	4
31	93–6678	Decal – Dump Valve Hydro	1
33	94–1238	Decal – Instruction	1
35	94–3530	Decal – Rear Body 1644	1
36	93–3856	Bracket – Trans. Mtg. R.H.	1
38	93–3831	Support – Rear	1

Copyright 1995 The Toro Company
All Rights Reserved

TPS

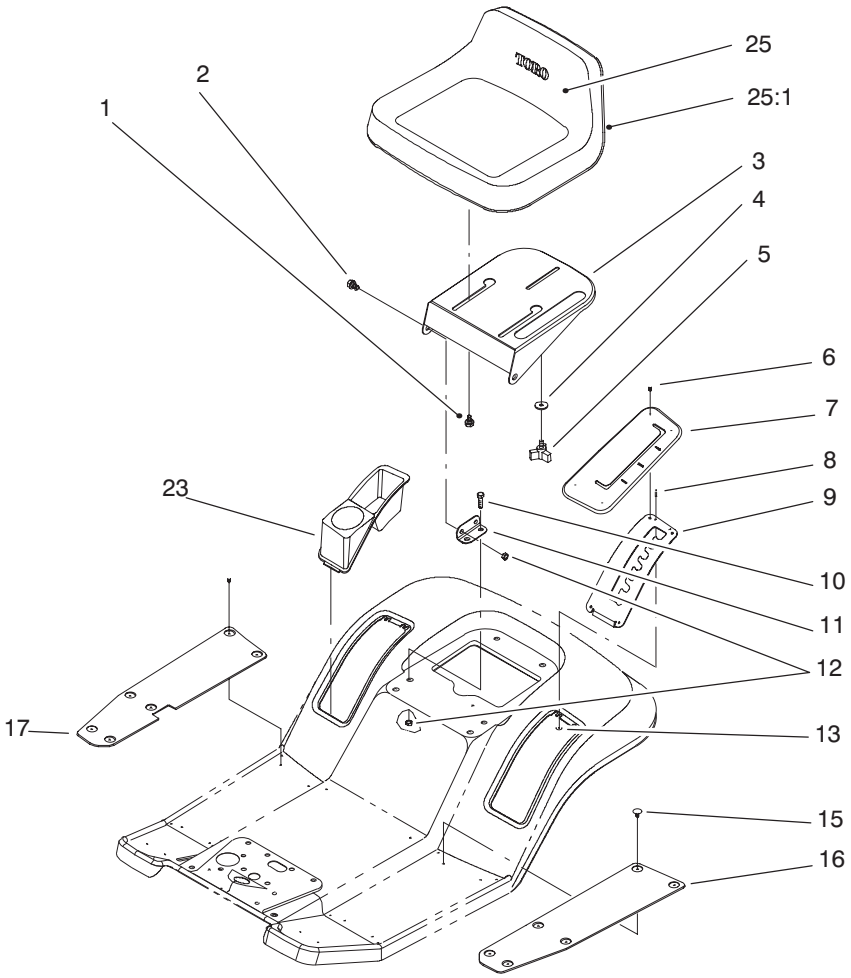


C–2432

HOOD ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	93–0303	Tower – Steering	1
2	94–5565	Knob – Control	1
3	46–8091	Screw – Tapping	2
4	3296–42	Nut – Lock	4
5	321–2	Screw – Hex Hd. Cap	4
6	28–0540	Bolt – Shoulder	2
7	88–6050	Bracket – Hinge L.H.	1
8	3290–496	Nut – Retained	2
10	46–8091	Screw – Plastic	1
11	94–1984	Pin – Latch	1
12	93–3891	Duct – Hood Air	1
13	46–8090	Screw – Plastic	4
14	92–8650	Hood – TORO	1
15	92–5782	Patch – Head Tape	1
16	93–3864	Shield – Heat	1
17	46–8090	Screw – Plastic	3
18	88–6040	Bracket – Hinge R.H.	1
19	3290–307	Pin – Hairpin Cotter	2
20	88–4170	Rod – Pivot Tower	1

Ref. No.	Part No.	Description	No. Used
21	3256–24	Washer – Flat	2
22	32128–43	Nut – Flange	2
23	88–4140	Nut – Wedge	2
24	88–4160	Clamp – Pivot Rod	2
25	88–5190	Lever – Deck Engage	1
26	3296–29	Nut – Lock	2
27	3256–23	Washer – Flat	2
28	322–3	Screw – Hex Hd. Cap	2
29	94–3528	Decal – Tower 1544HXL	2
30	92–2460	Decal – Ignition/Lights Int'l	1
31	92–2461	Decal – Throttle Int'l	1
32	92–2462	Decal – Deck Engage Int/l	1
33	92–2468	Decal – Hood L.H.	1
34	92–2467	Decal – Hood R.H.	1
35	94–4292	Cable – Deck Engage	1
36	32144–4	Screw – Tapping	2
37	93–3849	Bracket – Cable Upper	1
38	614249	Strap – Tie	1
39	94–1980	Foam – Hood	2

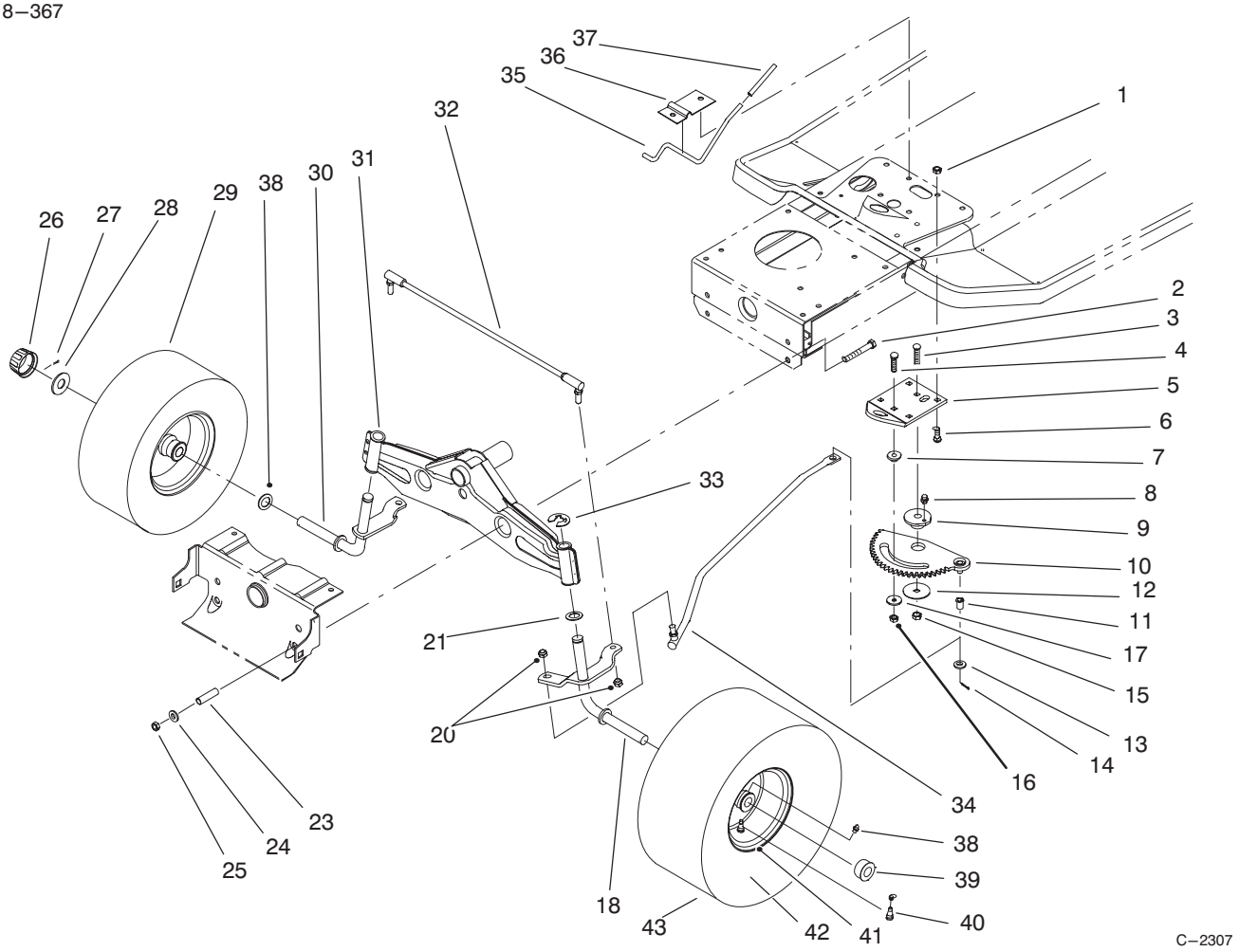


C–2442

SEAT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	37–8770	Bolt – Shoulder	2
2	37–8770	Bolt – Shoulder	2
3	88–4910	Support – Seat	1
4	5–4460	Washer – Fender	1
5	92–9674	Knob – Studded	1
6	3290–479	Fastener – Panel	4
7	88–5170	Cover – H.O.C. Int'l	1
8	3290–282	Rivet – Pop	2
9	88–5030	Gate – H.O.C.	1
10	322–3	Screw – Hex Hd. Cap	4

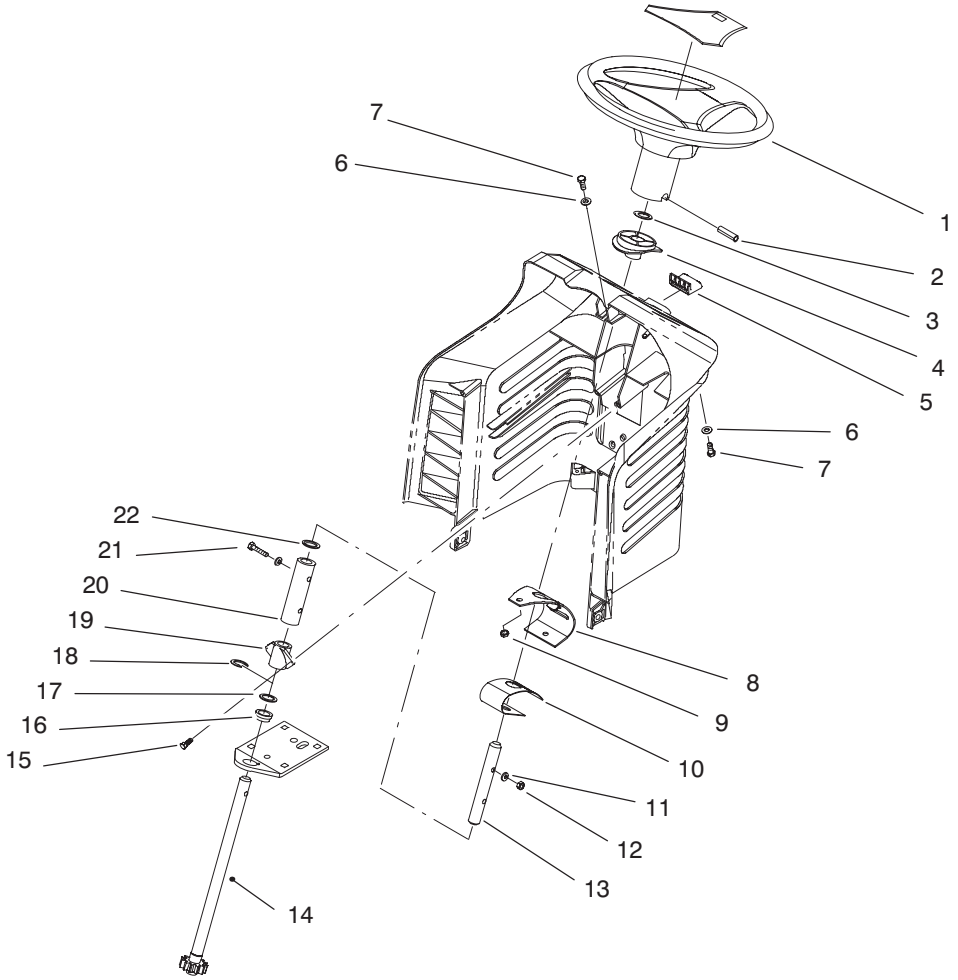
Ref. No.	Part No.	Description	No. Used
11	88–4820	Bracket – Seat Hinge	2
12	3296–29	Nut – Lock	6
13	3269–26	Washer	2
15	3290–479	Fastener – Panel	12
16	88–5240	Mat – Foot L.H.	1
17	88–5230	Mat – Foot R.H. Hydro	1
23	88–4990	Tray – Fender	1
25	92–6511	Seat – High Back V511 (Incl. Ref. #25:1)	1
25:1	94–4909	Trim – Seat	1



FRONT AXLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3296–29	Nut – Lock	4
2	323–13	Screw – Hex Hd. Cap	2
3	3231–4	Screw – Carriage	1
4	3230–3	Screw – Carriage	1
5	88–5130	Bracket – Steering Rack	1
6	3230–1	Screw – Carriage	4
7	88–5010	Spacer – Steering Rack	1
8	302–26	Fitting – Grease	1
9	88–4670	Bushing – Eccentric	1
10	88–5200	Rack – Steering	1
11	52–2891	Bushing – Steering Links	1
12	111419	Washer – Bearing	1
13	3256–25	Washer – Flat	1
14	3272–10	Pin – Cotter	1
15	3296–39	Nut – Lock	1
16	3296–29	Nut – Lock	1
17	5–4460	Washer – Fender	1
18	93–3833	Spindle – L.H.	1
20	3296–5	Nut – Lock	3
21	3–6498	Washer – Thrust	2
23	88–5470	Spacer – Front Axle	2
24	3256–24	Washer – Flat	2

Ref. No.	Part No.	Description	No. Used
25	3296–39	Nut – Lock	2
26	61–9780	Cap – Hub	2
27	3272–12	Pin – Cotter	2
28	28–2480	Washer – Flat	2
29		Front Wheel & Tire Assembly (Incl. Ref. #29:1–29:6)	2
29:1	88–4370	Rim – Wheel	2
29:2	88–4070	Tire	2
29:3	232–27	Stem & Valve	2
29:4	88–4400	Bearing – Wheel	2
29:5	302–5	Fitting – Grease	2
29:6	232–39	Tube – Inner	2
30	92–7889	Spindle – R.H.	1
31	94–1990	Axle – Front	1
32	93–3873	Rod – Tie	1
33	32151–48	Ring – Retaining	2
34	93–3840	Link – Drag	1
35	88–5510	Rod – Parking Brake	1
36	88–5520	Bracket – Parking Brake	1
37	88–0890	Grip – Parking Brake	1
38	3–6498	Washer – Thrust	4

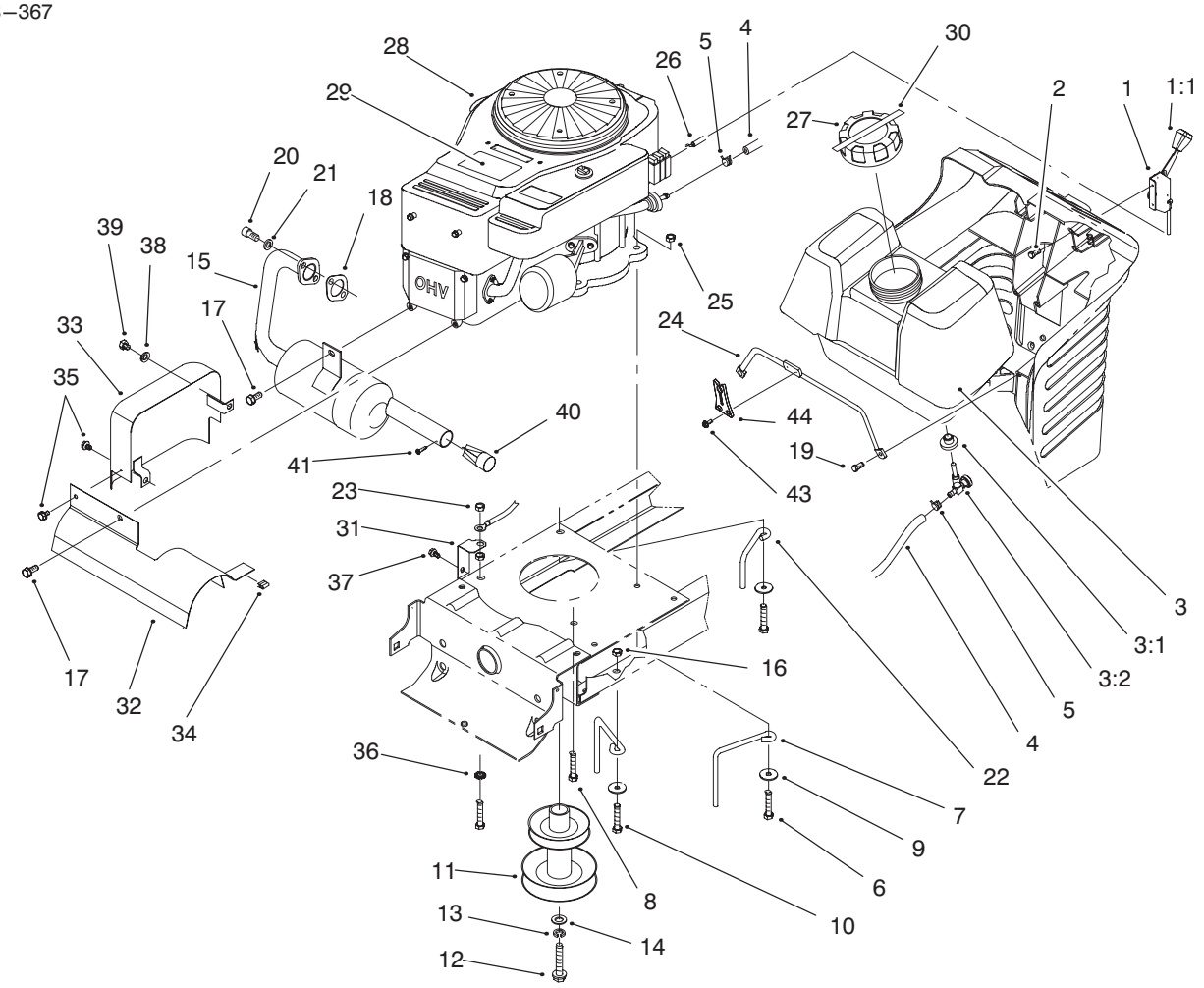


C−2308

STEERING ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	88−3850	Wheel − Steering (Incl. Ref. #1:2)	1
1:2	88−3870	Cover − Steering Wheel	1
2	32121−111	Pin − Roll	1
3	32151−81	Ring − Retaining	1
4	88−4190	Bushing − Sliding	1
5	88−4180	Button − Release	1
6	3256−22	Washer − Flat	2
7	321−4	Screw − Hex Hd. Cap	2
8	88−5180	Bracket − Backup	1
9	3296−42	Nut − Lock	2
10	88−4890	Spring − Leaf	1
11	3−7501	Washer − Curved	4
12	3296−42	Nut − Lock	2
13	88−6300	Shaft − Steering Upper	1
14	88−6370	Shaft − Steering S	1
15	27−0220	Screw − Hex Washer Hd.	2
16	88−5150	Bushing − Flange	1
17	3−6498	Washer − Thrust	1
18	32151−48	Ring − Retaining	1
19	88−4210	Bushing − Stationary	1
20	88−6090	Coupling − Steering	1
21	321−9	Screw − Hex Hd. Cap	2
22	3−6498	Washer − Thrust	1

3318–367



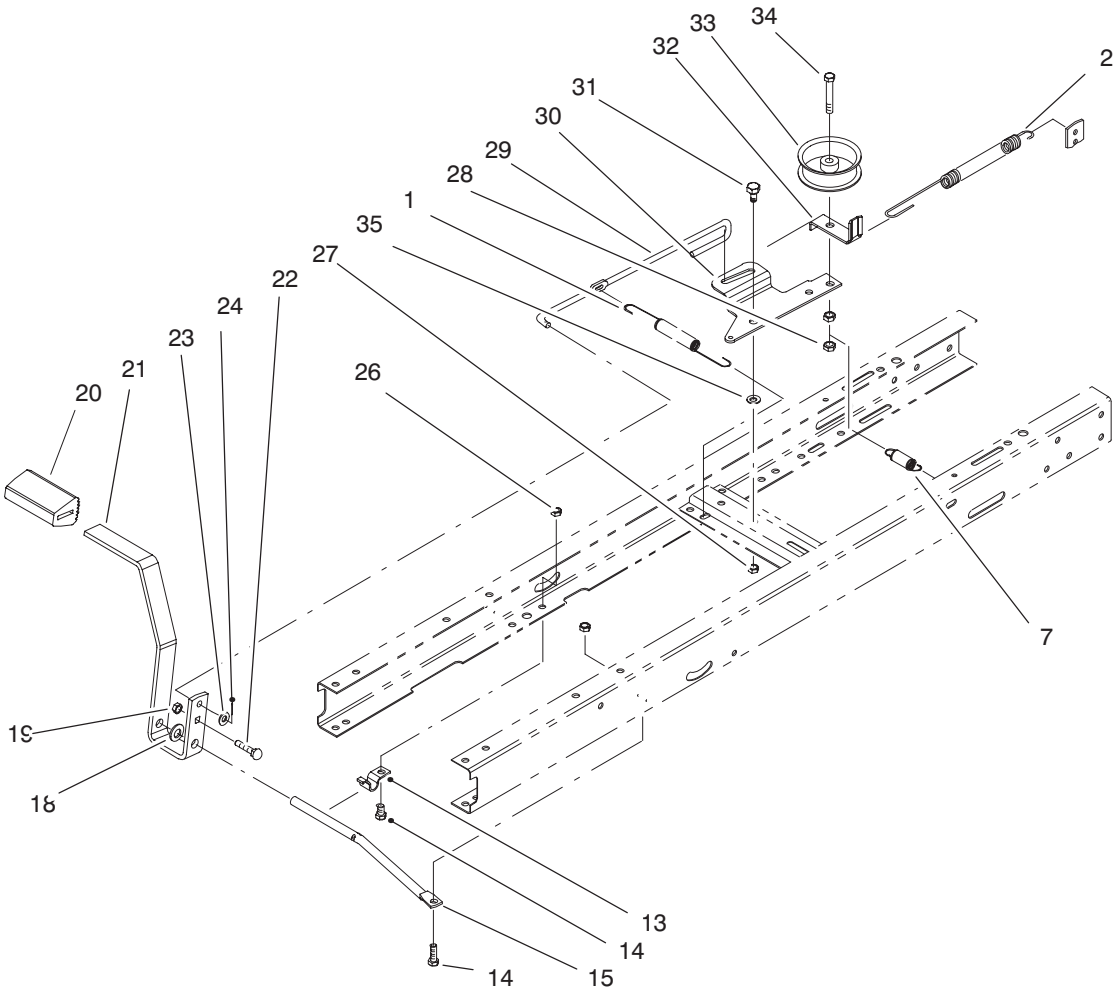
C–2443

ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	88–4340	Throttle Control Assembly (Inc. Ref. #1:1)	1
1:1	66–0120	Knob	1
2	27–0220	Screw – Hex Washer Hd.	2
3	88–3880	Tank – Gas (Incl. Ref. #3:1 & 3:2)	1
3:1	104047	Bushing	1
3:2	104048	Fitting	1
4	47–2963	Line – Fuel	1
5	2412–98	Clamp – Hose	2
6	322–9	Screw – Hex Hd. Cap	3
7	93–3854	Guide – Belt	3
8	9267154	Screw – Hex Washer Hd. Thread Forming	1
9	5–4460	Washer – Fender	4
10	322–5	Screw – Hex Hd. Cap	2
11	93–3832	Pulley – Engine	1
12	26–0671	Bolt – Blade	1
13	3253–22	Washer – Lock	1
14	3256–25	Washer – Flat	1
15	93–3892	Muffler	1
16	3296–29	Nut – Lock	2
17	32144–4	Screw – Tapping	2
18	88–4410	Gasket – Muffler	1
19	27–0220	Screw – Hex Washer Hd.	2

Ref. No.	Part No.	Description	No. Used
20	3274–10	Screw – Socket Hd.	2
21	3253–4	Washer – Lock	2
22	93–3855	Guide – Belt R.H.	1
23	32149–1	Nut – Keps	2
24	94–1952	Rod – Gas Tank	1
25	3296–29	Nut – Lock	2
26	88–4350	Cable Assembly – Throttle	1
27	88–3980	Cap – Gas	1
28		Engine – 15.5HP	1
29	94–3526	Decal – Engine 15 TQPLUS	1
☆30		Decal – Oil Check	1
31	93–3809	Bracket – Ground	1
32	93–3880	Shield – Muffler	1
33	93–8450	Shield – Exhaust	1
34	93–3882	Clip – Tinnerman	1
35	32104–76	Screw – Self Tapping	2
36	3255–8	Washer – Lock	1
37	32144–4	Screw – Tapping	1
38	3253–4	Washer – Spring Lock	1
39	322–3	Screw – Hex Hd. Cap	1
40	93–9911	Arrestor – Spark	1
41	32144–42	Screw – Hex Hd. Tapping	1
43	32104–76	Screw – Self Tapping	2
44	94–1951	Latch – Hood	1

☆ Not serviced

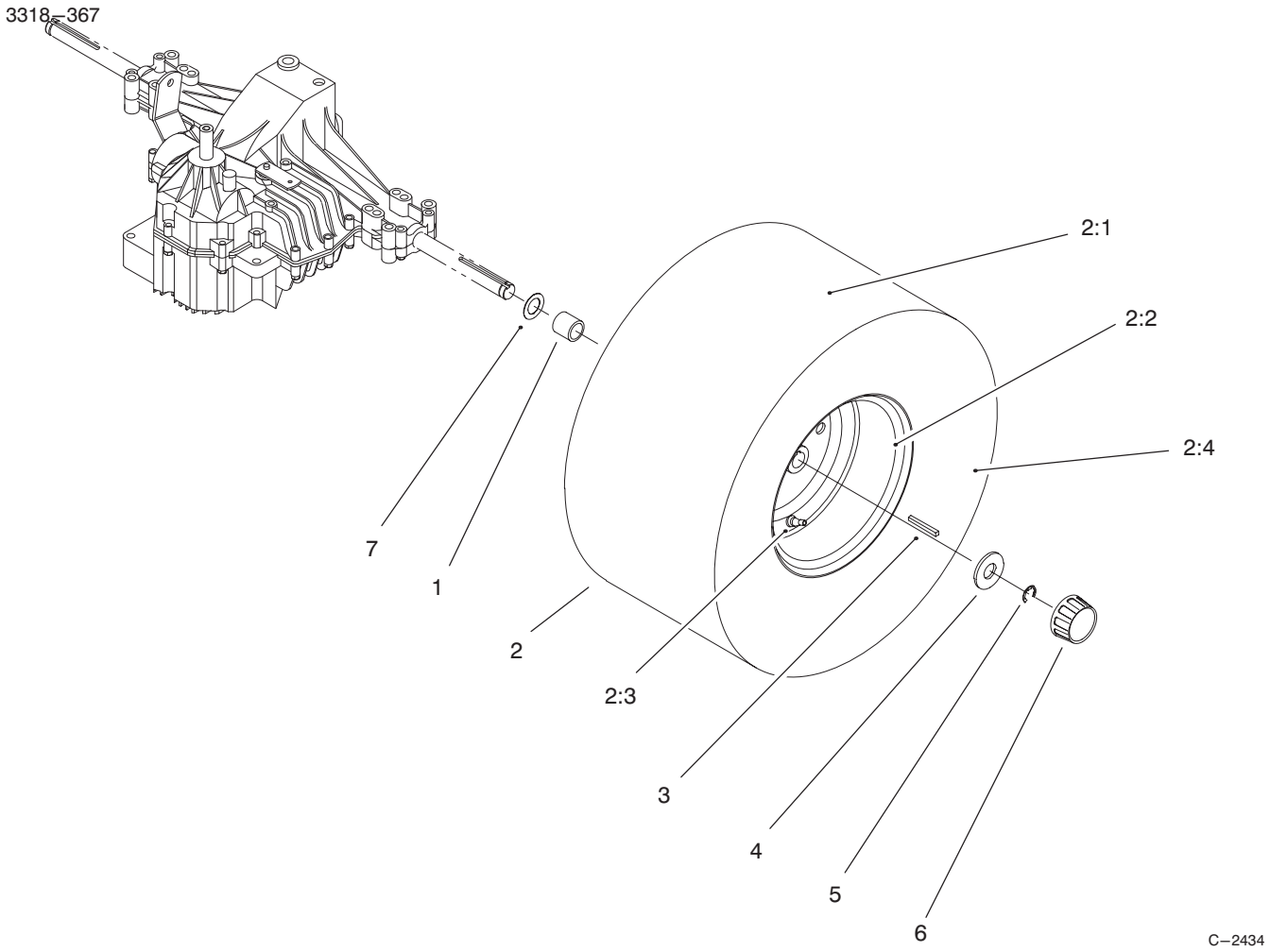


C–2310

CLUTCH ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	27–8890	Spring – Pedal Return	1
2	88–6140	Spring – Brake	1
7	88–6330	Spring – Extension	1
13	88–4810	Clamp – Shift Pivot	1
14	322–3	Screw – Hex Hd. Cap	2
15	88–5500	Rod – Pedal Pivot	1
18	3256–26	Washer – Flat	1
19	3296–29	Nut – Lock	1
20	65–2920	Pad – Pedal	1
21	88–5000	Pedal – Clutch/Brake	1
22	3230–3	Screw – Carriage	1
23	3256–23	Washer – Flat	1

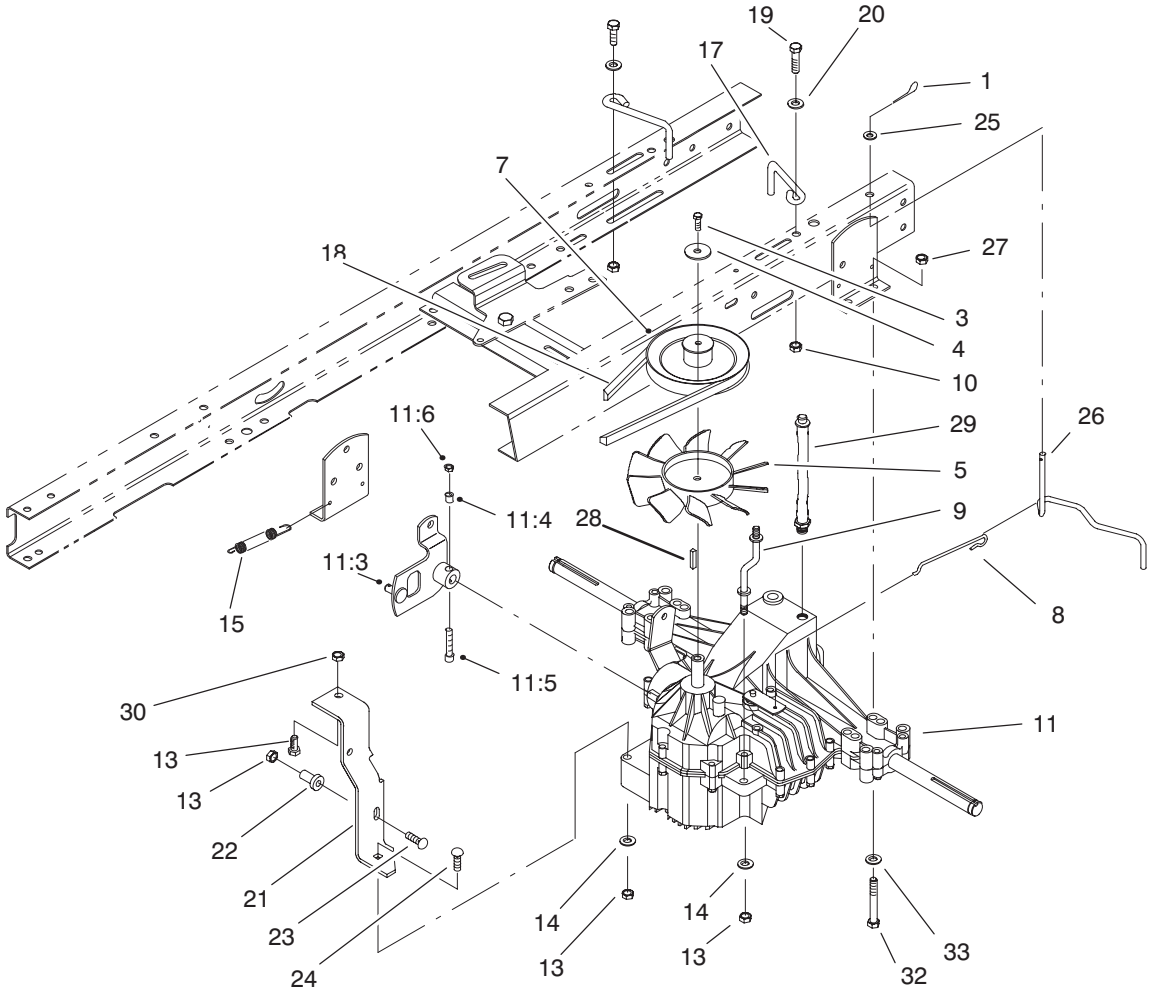
Ref. No.	Part No.	Description	No. Used
24	3272–10	Pin – Cotter	1
26	3296–29	Nut – Lock	2
27	3296–29	Nut – Lock	1
28	3296–59	Nut – Lock	2
29	88–5270	Rod – Clutch/Brake	1
30	88–6070	Arm – Idler	1
31	37–8770	Bolt – Shoulder	1
32	88–5560	Guide – Belt Idler	1
33	88–5680	Pulley – Flat Idler	1
34	323–11	Screw – Hex Hd. Cap	1
35	5–4460	Washer – Fender	1



REAR AXLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	88–5360	Spacer – Pulley	2
2		Rear Wheel & Tire Asm (Incl. Ref. # 2:1–2:4)	2
2:1	93–0323	Tire	2
2:2	88–4390	Rim Asm	2
2:3	232–27	Valve Stem	2

Ref. No.	Part No.	Description	No. Used
2:4	93–3893	Inner Tube (Optional)	2
3	7–0036	Key – Square	2
4	28–2480	Washer – Flat	2
5	32151–48	Ring – Retaining	2
6	61–9780	Cap – Hub	2
7	3–6498	Washer – Thrust	2

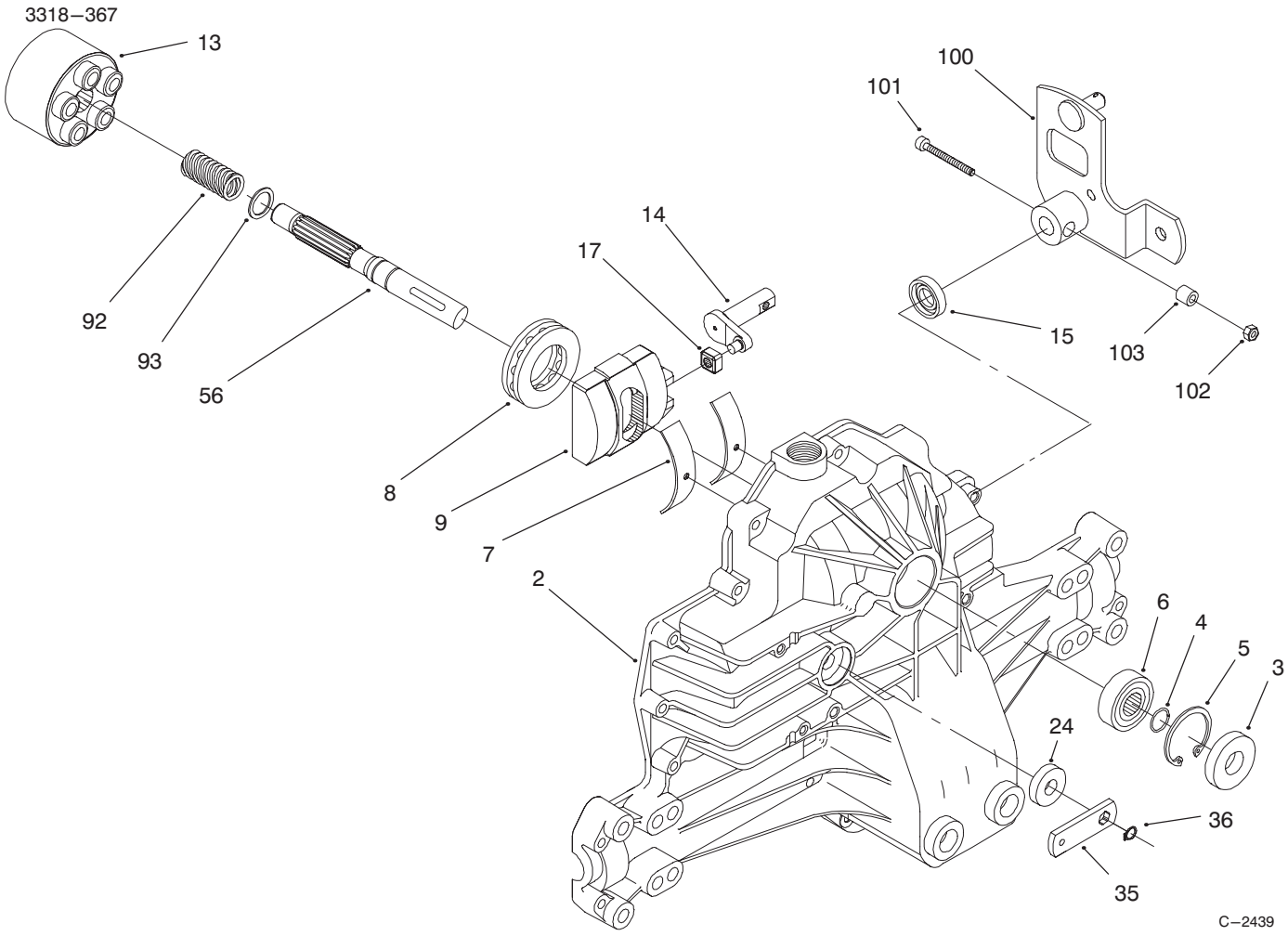


C–2312

TRANSAXLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3290–307	Pin – Hair Cotter	1
3	48–7620	Screw	1
4	3256–58	Washer – Flat	1
5	93–3867	Fan – Hydro	1
7	93–3862	Pulley – Transmission	1
8	92–8856	Wire – Bypass	1
9	93–3872	Strap – Torque	1
10	3296–29	Nut – Lock	2
11	94–6946	Transaxle Asm – Hydro	1
11:3	93–3870	Lever Asm – Speed Control	1
11:4	86–4270	Spacer – Lock	1
11:5	3274–59	Screw – Hex Socket Hd.	1
11:6	3296–12	Nut – Lock	1
13	3296–29	Nut – Lock	5
14	3256–23	Washer – Flat	3
15	26–6701	Spring – Extension	1

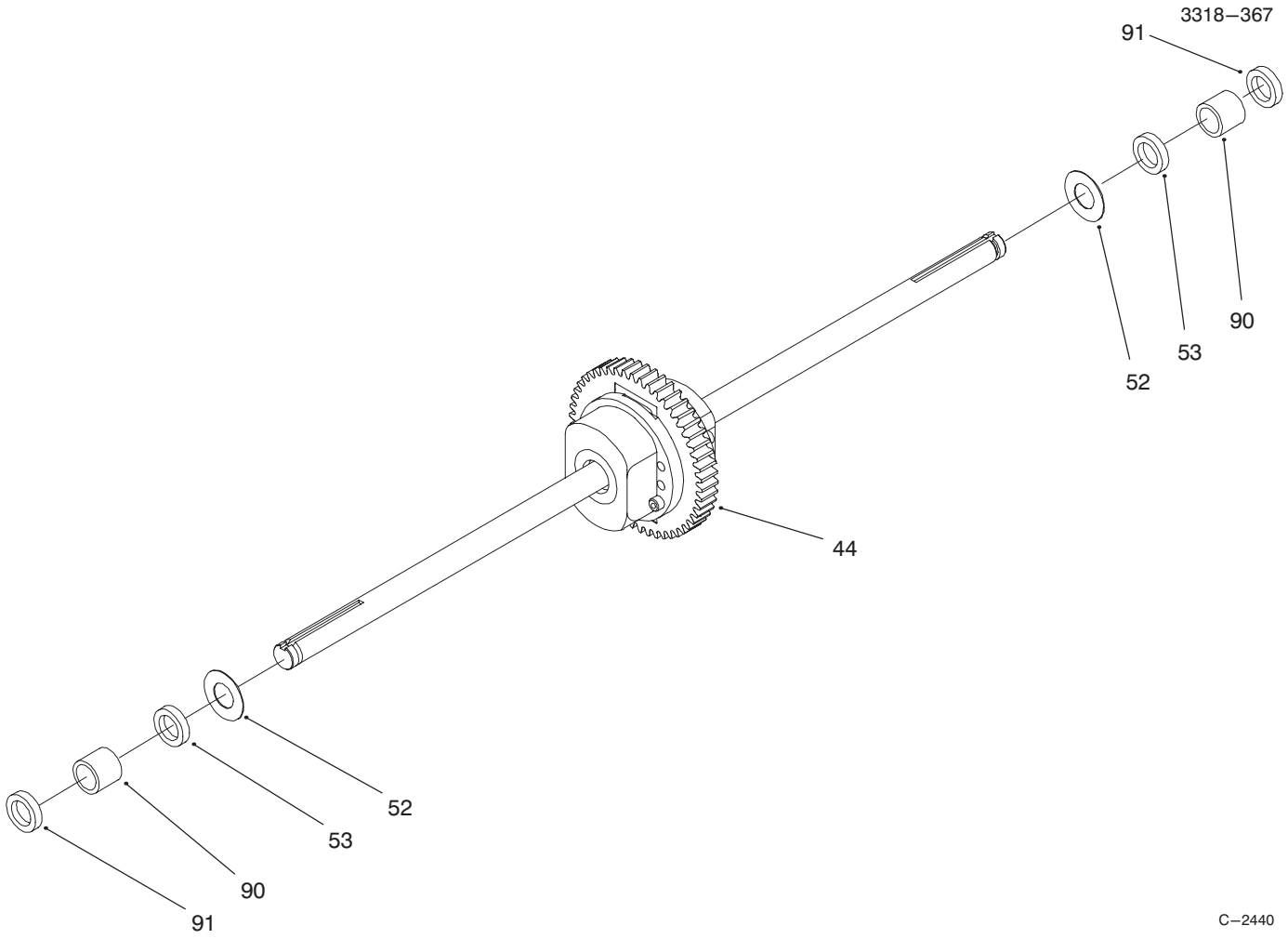
Ref. No.	Part No.	Description	No. Used
16	322–3	Screw – Hex Hd. Cap	1
17	93–3868	Guide – Trans. Belt	2
18	93–3883	V–Belt – Hydro	1
19	322–5	Screw – Hex Hd. Cap	2
20	5–4460	Washer – Fender	2
21	93–3863	Bracket – Speed Control	1
22	65–5080	Bushing – Flanged	1
23	3230–5	Bolt – Carriage	1
24	3230–7	Bolt – Carriage	1
25	3256–22	Washer – Flat	1
26	92–8857	Lever – Bypass	1
27	3296–29	Nut – Lock	4
28	80–6090	Key – Square	1
29	94–1945	Hose – Breather	1
32	322–12	Screw – Hex Hd. Cap	4
33	3256–23	Washer – Flat	4



HYDRO TRANSAXLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
2	94–1901	Housing Asm – Upper	1
3	92–6543	Seal – Lip	1
4	94–1902	Ring – Wire Retaining	1
5	94–1903	Ring – Retaining	1
6	94–1904	Bearing – Shaft Ball	1
7	94–1905	Bearing – Cradle	2
8	94–6922	Bearing – Thrust	1
9	94–1907	Swashplate – Variable	1
13	94–1908	Block – Cylinder Asm	1
14	94–1909	Arm – Trunion	1
15	92–6544	Seal – Lip	1

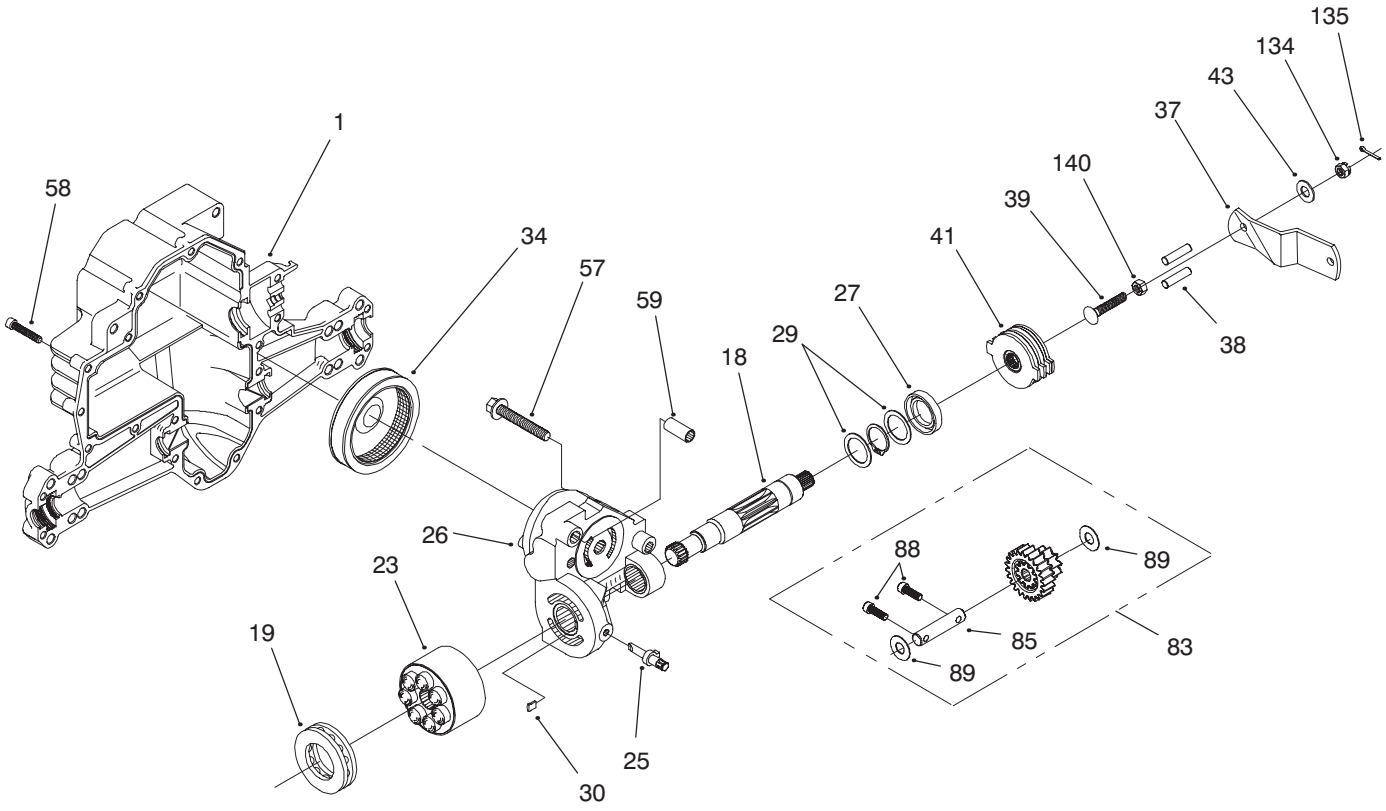
Ref. No.	Part No.	Description	No. Used
17	94–1910	Guide – Slot	1
24	92–6545	Seal – Lip	1
35	92–6547	Arm – Bypass	1
36	936109	Ring – Retaining	1
56	94–1925	Shaft – Input	1
92	94–1936	Spring – Block	1
93	94–1937	Washer – Block Thrust	1
100	93–3870	Control Arm	1
101	3274–59	Screw – Cap Socket Hd.	1
102	3296–12	Nut	1
103	86–4270	Spacer	1



HYDRO TRANSAXLE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
44	94–1921	Differential Asm	1
52	94–1922	Washer	2
53	94–1924	Seal	2

Ref. No.	Part No.	Description	No. Used
90	94–1934	Sleeve – Bearing	2
91	94–1935	Seal – Wiper	2

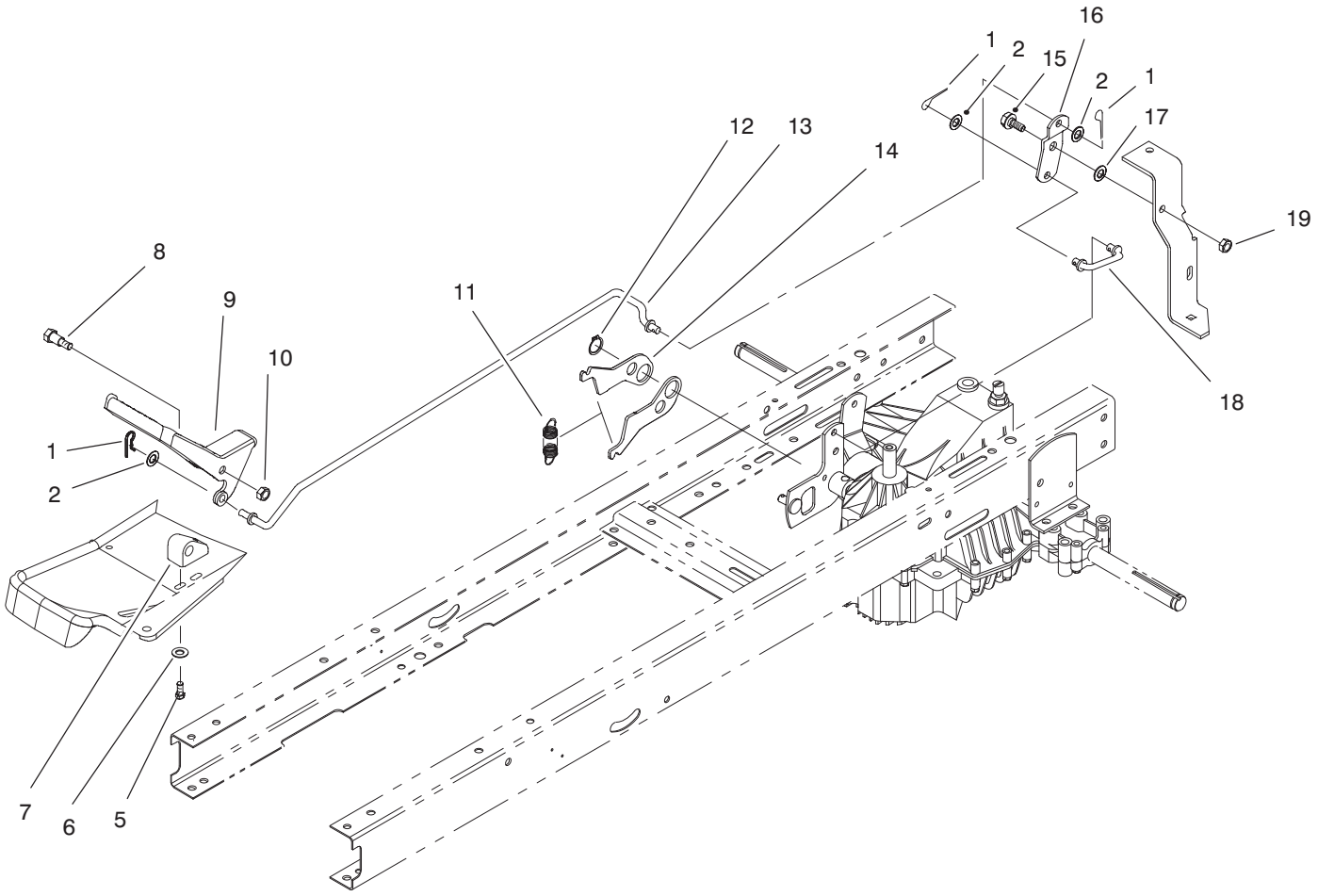


C–2441A

HYDRO TRANSAXLE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
1	94–1900	Housing – Lower	1
18	94–6955	Shaft – Motor	1
19	94–6923	Bearing – Thrust	1
23	94–1913	Block – Cylinder Asm	1
25	94–1914	Actuator – Bypass	1
26	94–1915	Centersection Asm	1
27	94–1916	Seal – Lip	1
28	94–1917	Ring – Retaining	1
29	94–1918	Washer	2
30	94–6925	Bypass Plate	1
34	94–1920	Oil Filter Element	1
37	93–3861	Lever – Brake	1
38	92–6549	Pin – Actuating	1

Ref. No.	Part No.	Description	No. Used
39	94–1923	Bolt	1
41	94–1919	Brake Rotor/Starter Kit	4
43	5–4460	Washer – Fender	1
57	94–6926	Bolt	3
58	94–1926	Bolt	21
59	94–1927	Pin	2
83	94–1930	Jackshaft/Pinion Gear Asm	1
85	94–6956	Jackshaft	1
88	94–1932	Capscrew	2
89	94–1933	Washer	2
134	93–3807	Nut – Castle	1
135	3272–7	Pin – Cotter	1
140	3296–20	Nut – Lock Insert	1



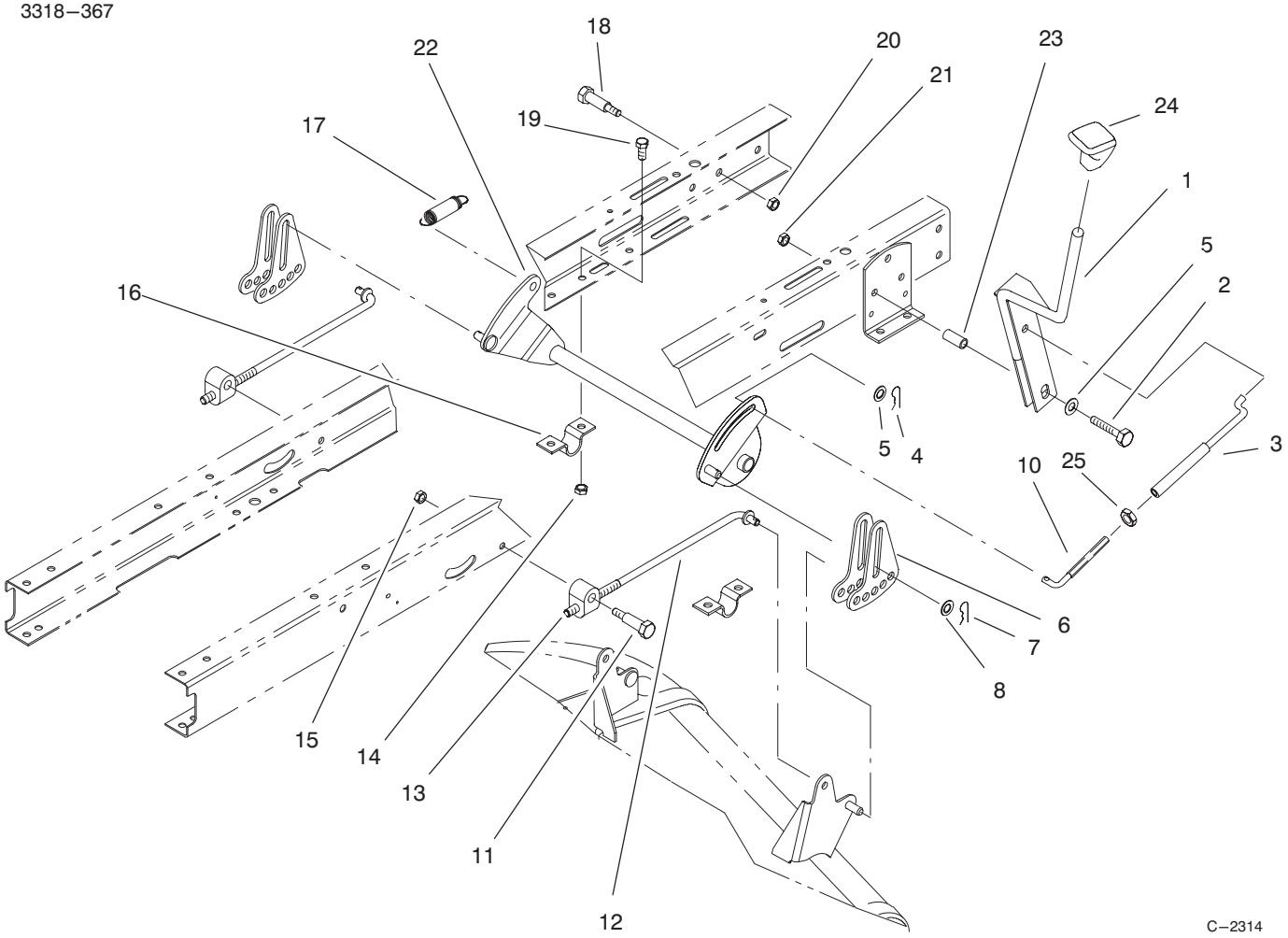
C–2313

SPEED CONTROL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3290–307	Pin – Hair Cotter	4
2	3256–23	Washer – Flat	4
5	46–8090	Screw – Tapping	2
6	3256–22	Washer – Flat	2
7	88–4690	Block – Pivot	1
8	23–0310	Bolt – Shoulder	1
9	93–3812	Pedal – Speed Control	1
10	3296–59	Nut – Lock	1
11	92–7305	Spring – Extension	1

Ref. No.	Part No.	Description	No. Used
12	32151–83	Ring – Retaining	1
13	93–3877	Rod – Speed Control	1
14	88–5610	Lever – Neutral Return	2
15	37–8771	Bolt – Shoulder	1
16	93–3875	Bellcrank	1
17	3290–456	Washer – Belleville	1
18	93–3874	Link – Speed/Direct Control	1
19	3296–47	Nut – Lock	1

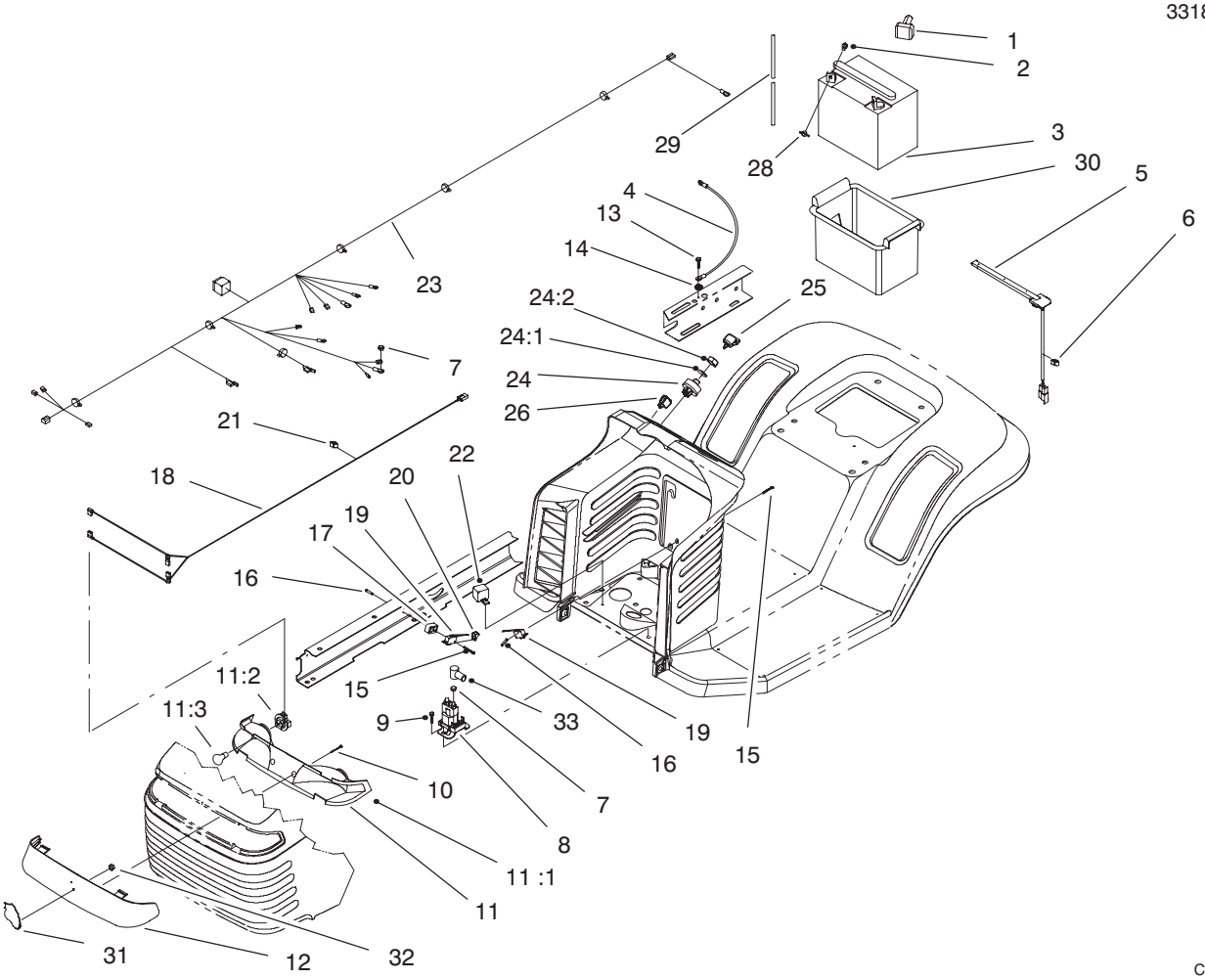
3318–367



HEIGHT OF CUT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	93–3822	Lever – H.O.C.	1
2	322–9	Screw – Hex Hd. Cap	1
3	93–3885	Tube	1
4	3290–307	Pin – Hair Cotter	1
5	3256–24	Washer – Flat	2
6	88–5570	Link – Adjusting H.O.C.	4
7	3290–307	Pin – Hair Cotter	2
8	80–6990	Washer – Hardened	2
10	93–3888	Link – H.O.C.	1
11	7–0030	Bolt – Shoulder	2
12	88–5450	Rod – Hanger Rear	2
13	88–4230	Trunnion – H.O.C. Rear	2

Ref. No.	Part No.	Description	No. Used
14	3296–29	Nut – Lock	4
15	3296–29	Nut – Lock	2
16	88–4730	Clamp – H.O.C. Pivot	2
17	93–3808	Spring – Extension	1
18	7–0030	Bolt – Shoulder	1
19	322–3	Screw – Hex Hd. Cap	4
20	3296–29	Nut – Lock	1
21	3296–29	Nut – Lock	1
22	93–7660	Pivot – H.O.C.	1
23	65–7210	Spacer	1
24	94–5565	Knob – Control	1
25	3218–2	Nut – Hex Jam	1



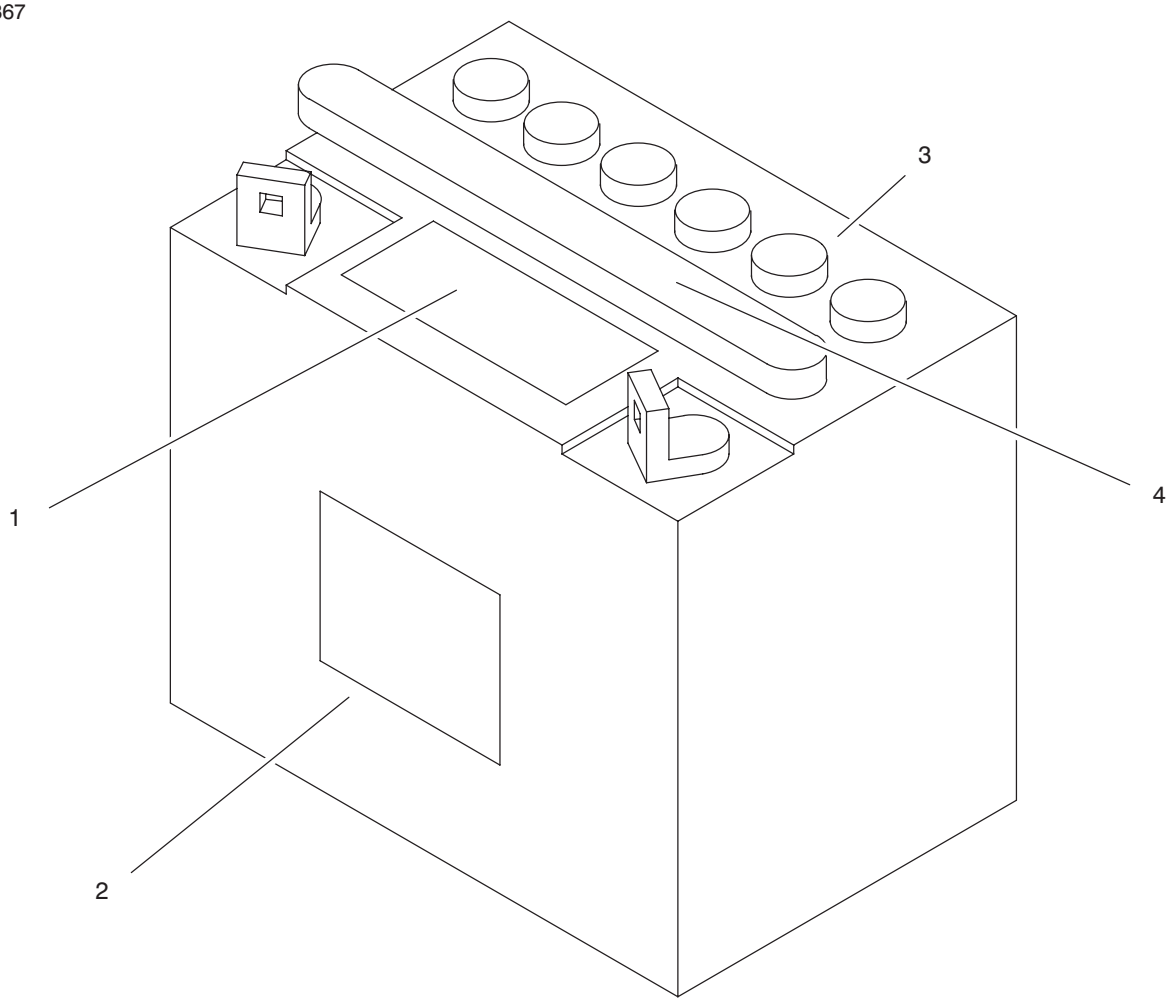
C–2435

ELECTRICAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	28–8080	Boot – Battery Terminal	1
2	321–4	Screw – Hex Hd. Cap	2
3	80–2600	Battery – 7 Plate	1
4	44–8110	Cable – Battery Negative	1
5	38–1420	Switch – Seat	1
6	702366	Clip – Wire Retainer	1
7	32149–2	Nut – Lock Keps	3
8	92–9845	Solenoid	1
9	32144–4	Screw – Tapping	2
10	32144–32	Screw – Plastic	2
11	88–3970	Reflector – Lamp Asm (Incl. Ref. #11:1–11:3)	1
11:1	93–8741	Reflector – Headlight	1
11:2	111686	Socket Assembly	2
11:3	7228	Bulb – Light	2
12	88–3960	Lens – Headlights	1
13	32144–4	Screw – Tapping	1
14	3255–7	Washer – Lock	1
15	93–0539	Screw – Phillips Pan Hd.	4

Ref. No.	Part No.	Description	No. Used
16	3290–354	Nut – Speed	2
17	88–4880	Spacer – Microswitch	1
18	88–4320	Harness – Wire/Lights	1
19	88–9932	Switch – Micro	2
20	93–3240	Seal – Plunger	1
21	702366	Clip – Wire Retainer	2
22	116397	Relay –S.P.D.T.	1
23	93–3810	Harness – Wire	1
24	88–9830	Switch – Ignition	1
24:1	3254–5	Washer – Lock	1
24:2	218–461	Nut – Hex	1
25	63–8360	Key – Ignition	1
26	92–8875	Switch – Rocker Lights	1
28	32103–22	Nut – Wing Nylon	2
29	56–2540	Tube – Vent	1
30	88–4040	Box – Battery	1
31	80–2240	Plate – Name Grille	1
32	3290–299	Nut – Tinnerman	1
33	94–5362	Boot – Terminal Insulator	1

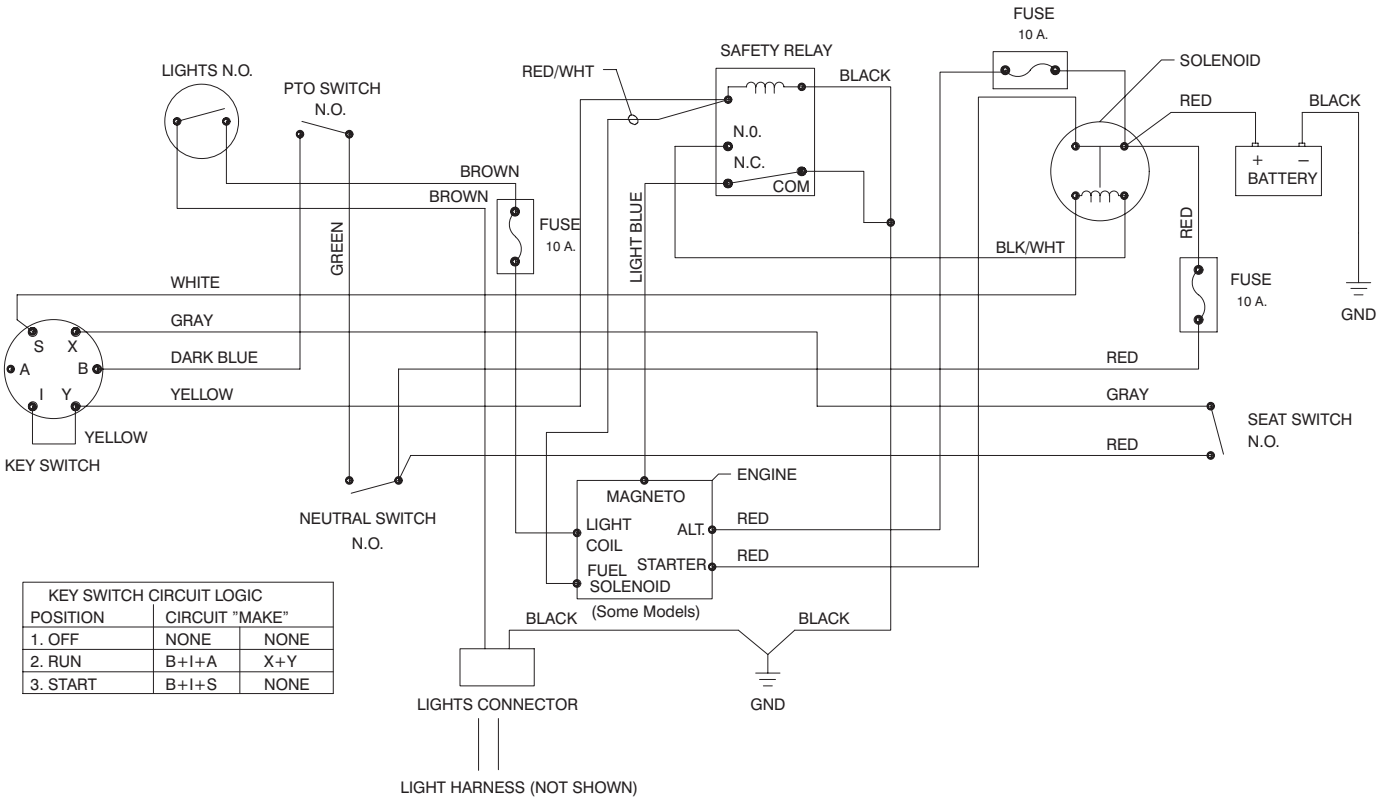
3318–367



C–2436

BATTERY ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	93–7276	Decal – Danger	1
2	93–6668	Decal – Battery Charge Inst.	1
3	218–560	Cap – Battery	6
4	93–9354	Decal – Battery	1



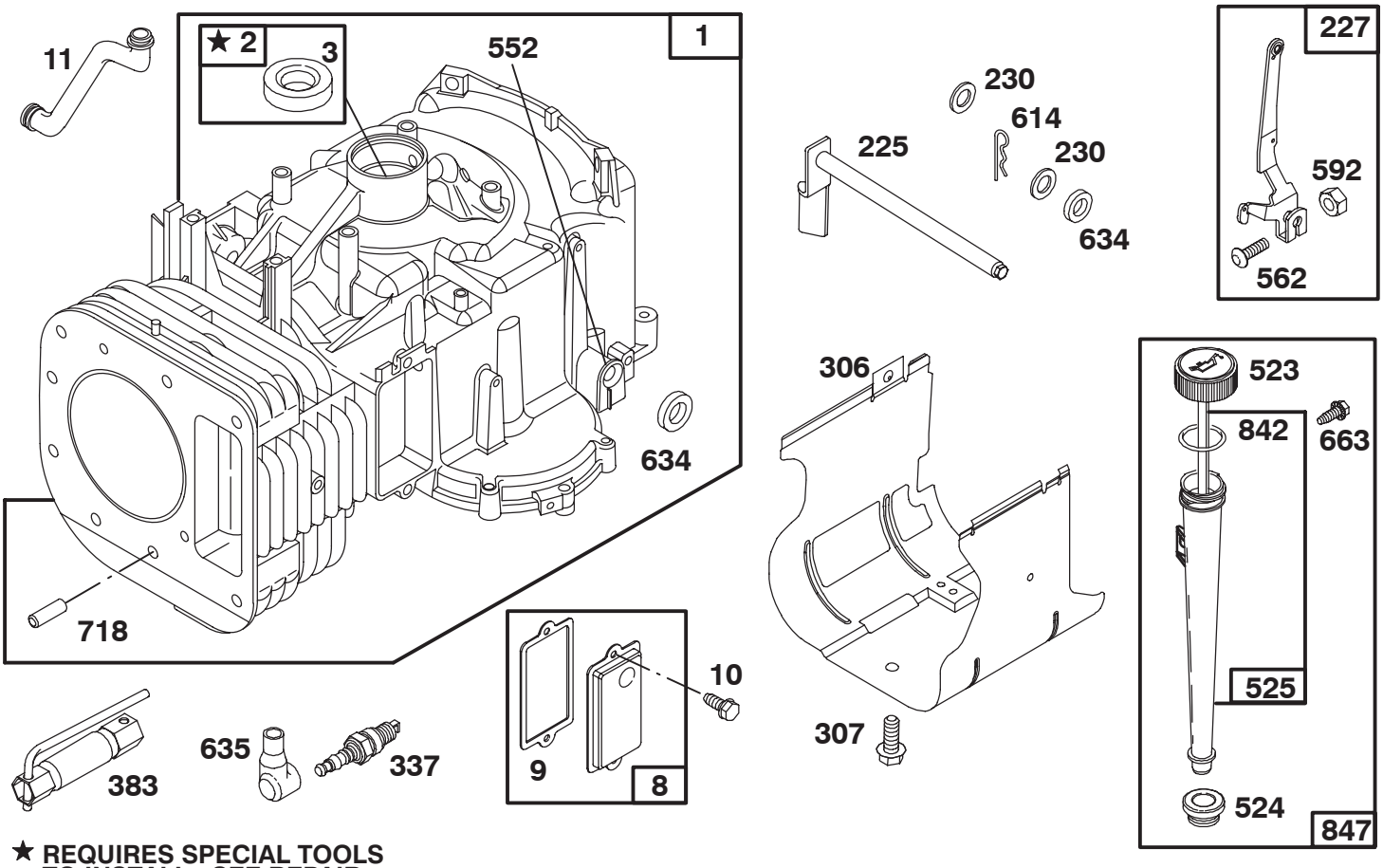
KEY SWITCH CIRCUIT LOGIC		
POSITION	CIRCUIT "MAKE"	
1. OFF	NONE	NONE
2. RUN	B+I+A	X+Y
3. START	B+I+S	NONE

C−2186

ELECTRICAL SCHEMATIC

Ref. No.	Part No.	Description	No. Used

Ref. No.	Part No.	Description	No. Used



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

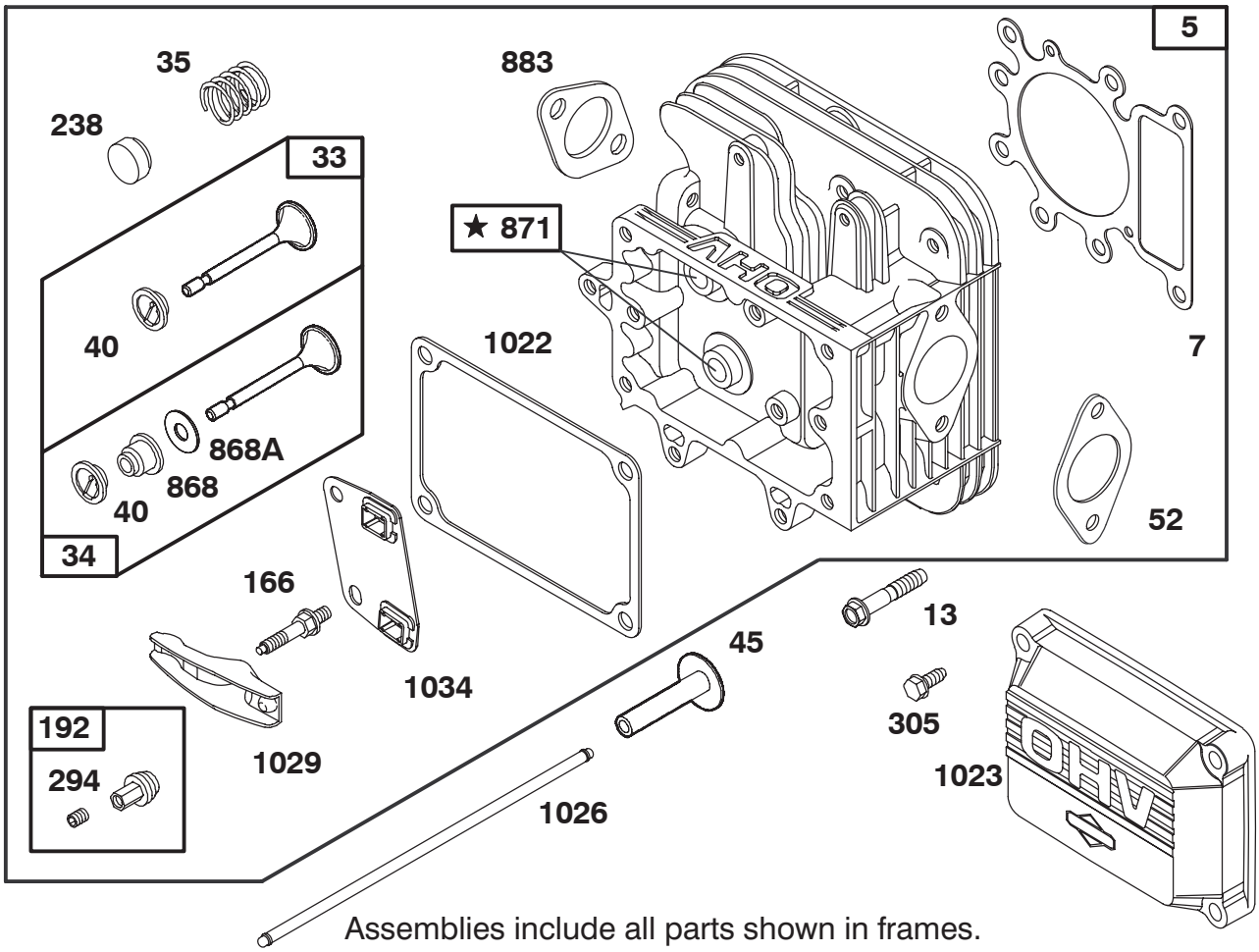
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 28Q777–0668–A1

Ref. No.	Part No.	Description	No. Used
1	496412	Cylinder Assembly	1
2	399265	Bearing–Cylinder	1
★3	391086	Seal–Oil	1
8	495735	Breather Assembly	1
★9	27803	Gasket–Valve Cover	1
10	94621	Screw–Sem	1
11	281246	Tube–Breather	1
225	495157	Crank–Governor	1
227	493935	Lever Assy.–Governor	1
230	94742	Washer–Governor Lever	1
306	225020	Shield–Cylinder	1
307	94623	Screw–Self Tap	1
332A	94314	Nut–Hex.	1
337	491055	Plug–Spark	1
383	89838	Wrench–Spark Plug	1

Ref. No.	Part No.	Description	No. Used
523	495230	Cap–Oil Fill	1
★524	66838	Seal–Fill Tube	1
525	496113	Tube–Oil Fill	1
552	231597	Bushing–Gov. Crank	1
562	92613	Bolt–Governor Lever	1
592	231082	Nut–Hex.	1
614	93306	Pin–Cotter	1
★634	491323	Seal–Governor	1
635	280872	Elbow–Spark Plug	1
663	94073	Screw–Hex. Head	1
718	230192	Pin–Dowel	1
★842	270920	Seal–Oil Fill Cap	1
847	496415	Fill Group–Oil	1

★ Included in Gasket Set–Part No. 495993.
∆ Included in Valve Overhaul Kit–Part No. 495992.
● Included in Carburetor Kit–Part No. 498116.
◆ Included in Carburetor Gasket Set–Part No. 494385.



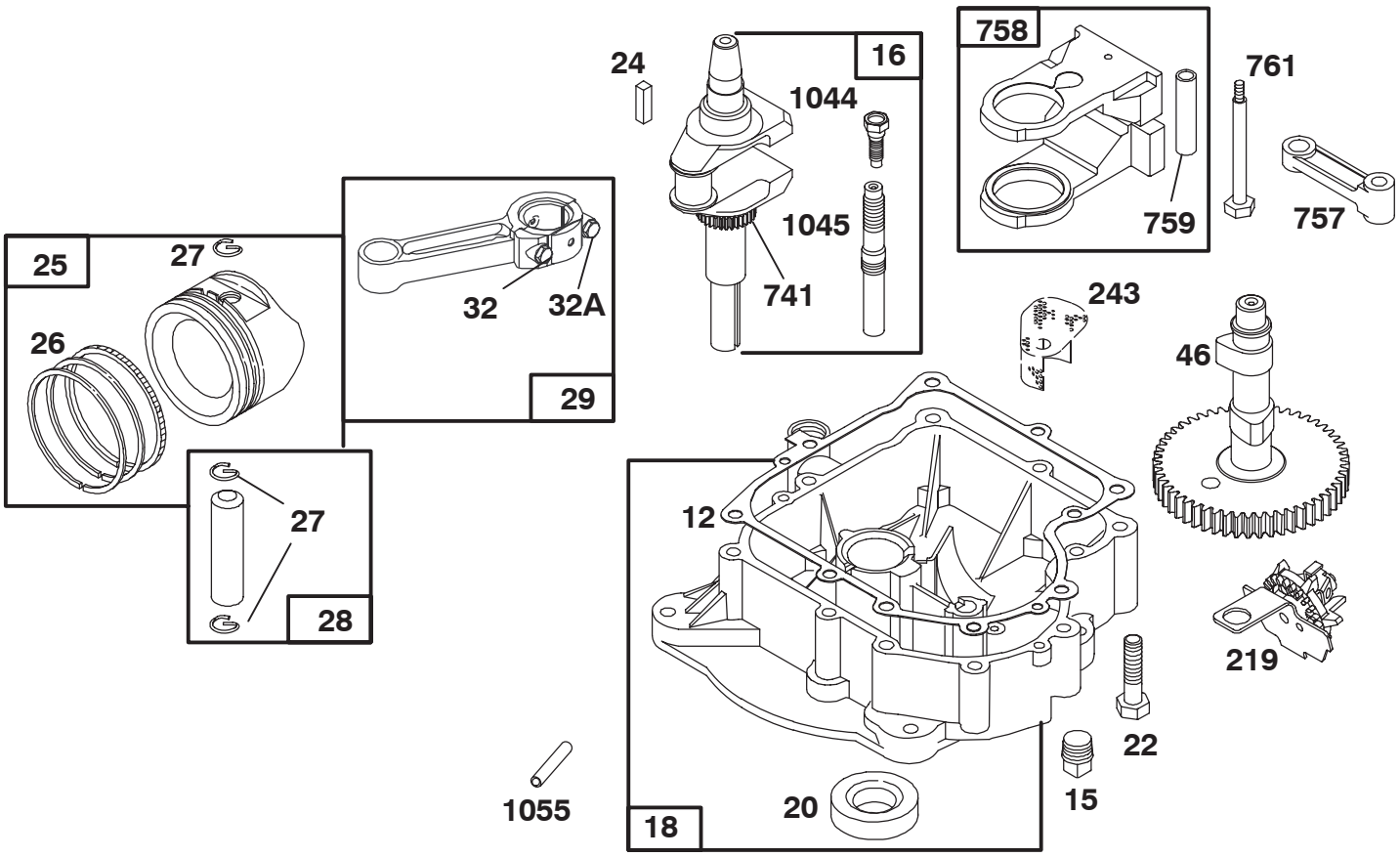
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 28Q777–0668–A1

Ref. No.	Part No.	Description	No. Used
5	495858	Head–Cylinder	1
Δ★7	272614	Gasket–Cylinder Head	1
13	94728	Screw–Cylinder Head	1
33	495856	Valve–Exhaust	1
34	495857	Valve–Intake	1
35	262811	Spring–Valve	1
40	224641	Retainer–Valve	1
45	262411	Tappet–Valve	1
Δ★52	272569	Gasket–Carb. Mounting	1
166	94555	Stud–Rocker Arm	1
192	492160	Screw Assy. Rocker Arm	1
238	262836	Cap–Valve	1
294	810068	Screw–Set	1

Ref. No.	Part No.	Description	No. Used
305	94682	Screw–Hex. Head	1
Δ★868	494435	Seal–Valve	1
Δ★868A	272610	Seal–Valve	1
871	262835	Bushing–Guide (Intake and Exhaust)	1
Δ★883	272293	Gasket–Exhaust	1
Δ★1022	272475	Gasket–Rocker Cover	1
1023	214314	Cover–Rocker	1
1026	494432	Rod–Push (Intake)	1
		Note: 495136 Rod–Push (Exhaust)	1
1029	224554	Arm–Rocker	1
1034	494432	Guide–Push Rod	1

★ Included in Gasket Set–Part No. 495993.
Δ Included in Valve Overhaul Kit–Part No. 495992.
● Included in Carburetor Kit–Part No. 498116.
◆ Included in Carburetor Gasket Set–Part No. 494385.



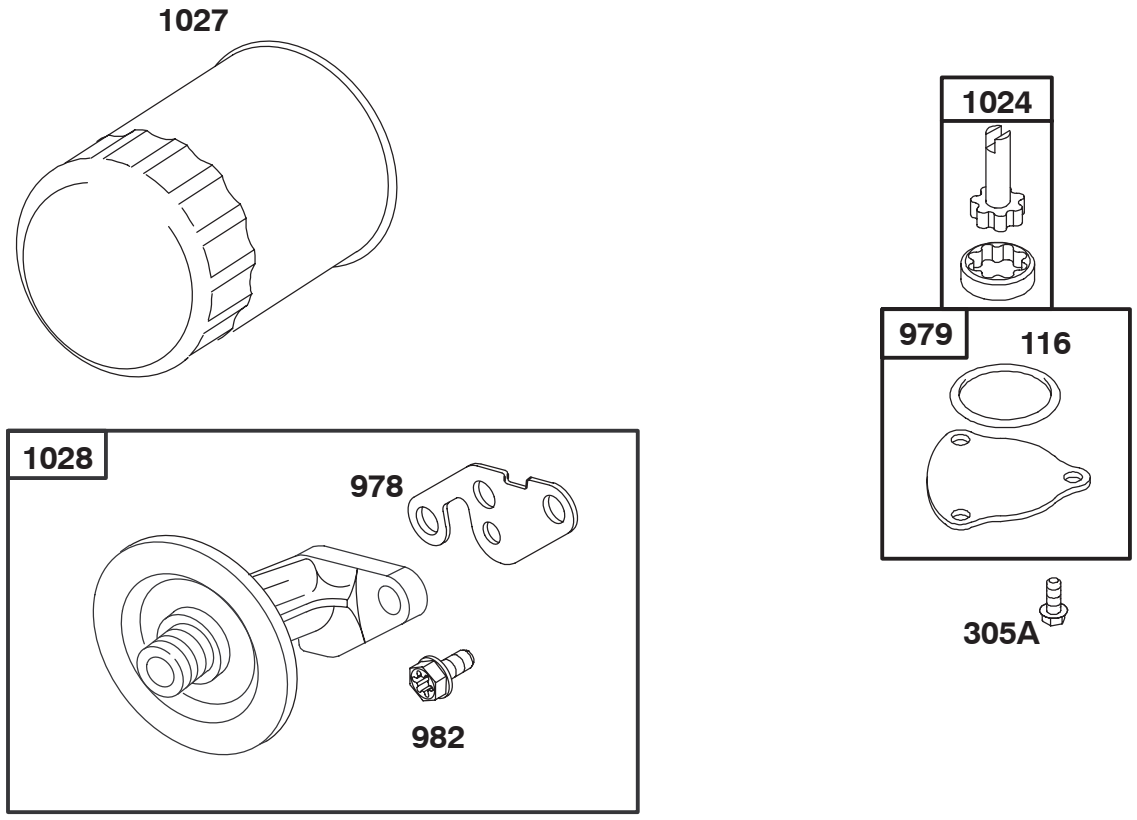
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 28Q777–0668–A1

Ref. No.	Part No.	Description	No. Used
★12	271916	Gasket–Crankcase (.015" Thick)	1
★	271997	Gasket–Crankcase (.005" Thick)	1
★	271996	Gasket–Crankcase (.009" Thick)	1
15	94239	Plug–Oil Drain	1
16	495162	Crankshaft	1
		Note: For Timing Gear Key–Order 94196.	1
18	496742	Base–Engine	1
★20	291675	Seal–Oil	1
22	94624	Screw–Sem	1
24	222698	Key–Flywheel	1
25	494860	Piston Assembly (Standard)	1
	495977	Piston Assy. (.010" O.S.)	1
	495978	Piston Assy. (.020" O.S.)	1
	495979	Piston Assy. (.030" O.S.)	1
26	495854	Ring Set (Standard)	1
	495852	Ring Set (.010" O.S.)	1
	495851	Ring Set (.020" O.S.)	1
	495855	Ring Set (.030" O.S.)	1

Ref. No.	Part No.	Description	No. Used
27	260924	Lock–Piston Pin	1
28	299691	Pin–Piston (Standard)	1
	391286	Pin–Piston (.005" O.S.)	1
29	494504	Rod–Connecting	1
	495490	Rod–Conn. (.020" U.S.)	1
32	94695	Screw–Conn. Rod (1 57/64" Long)	1
32A	94648	Screw–Conn. Rod (1 5/8" Long)	1
46	496885	Gear–Cam	1
219	490815	Gear–Gov.	1
243	225076	Screen–Oil	1
741	262932	Gear–Timing	1
757	213998	Link–Counterweight	1
758	399891	Counterweight Assy.	1
759	298909	Pin–Counterweight	1
761	94593	Screw–Counterweight	1
1044	94673	Screw–Shoulder	1
1045	231828	Extension–Crankshaft	1
1055	231931	Tube–Oil Pump	1

★ Included in Gasket Set–Part No. 495993.
∆ Included in Valve Overhaul Kit–Part No. 495992.
● Included in Carburetor Kit–Part No. 498116.
◆ Included in Carburetor Gasket Set–Part No. 494385.

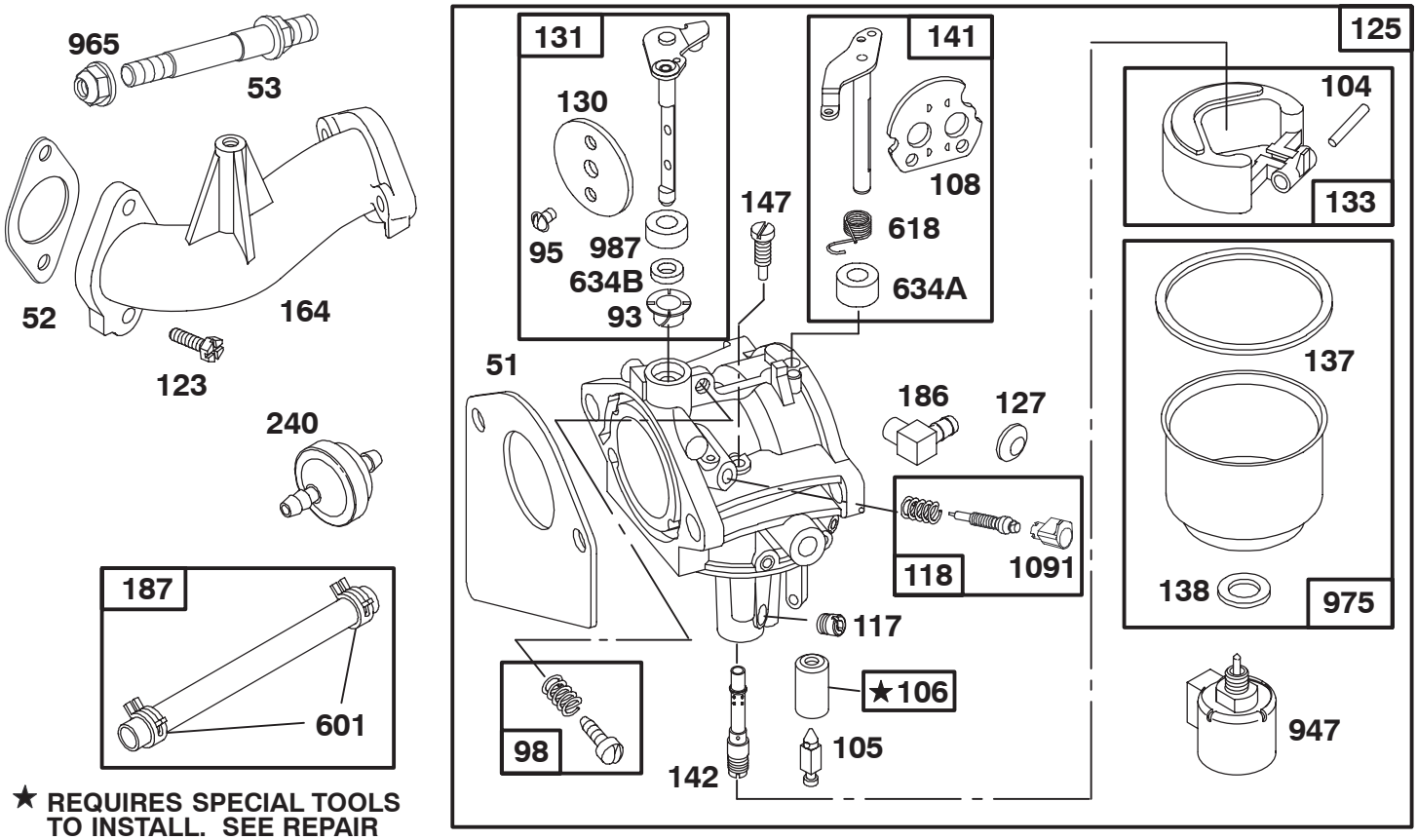


Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 28Q777—0668—A1

Ref. No.	Part No.	Description	No. Used
★116	281402	O—Ring	1
305A	94786	Screw—Sem	1
★978	272888	Gasket—Adapter	1
979	496745	Cover—Pump	1
982	94899	Screw—Sem	1
1024	493884	Pump—Oil	1
1027	492932	Filter—Oil	1
1028	496744	Adapter—Filter	1

★ Included in Gasket Set—Part No. 495993.
∆ Included in Valve Overhaul Kit—Part No. 495992.
● Included in Carburetor Kit—Part No. 498116.
◆ Included in Carburetor Gasket Set—Part No. 494385.



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

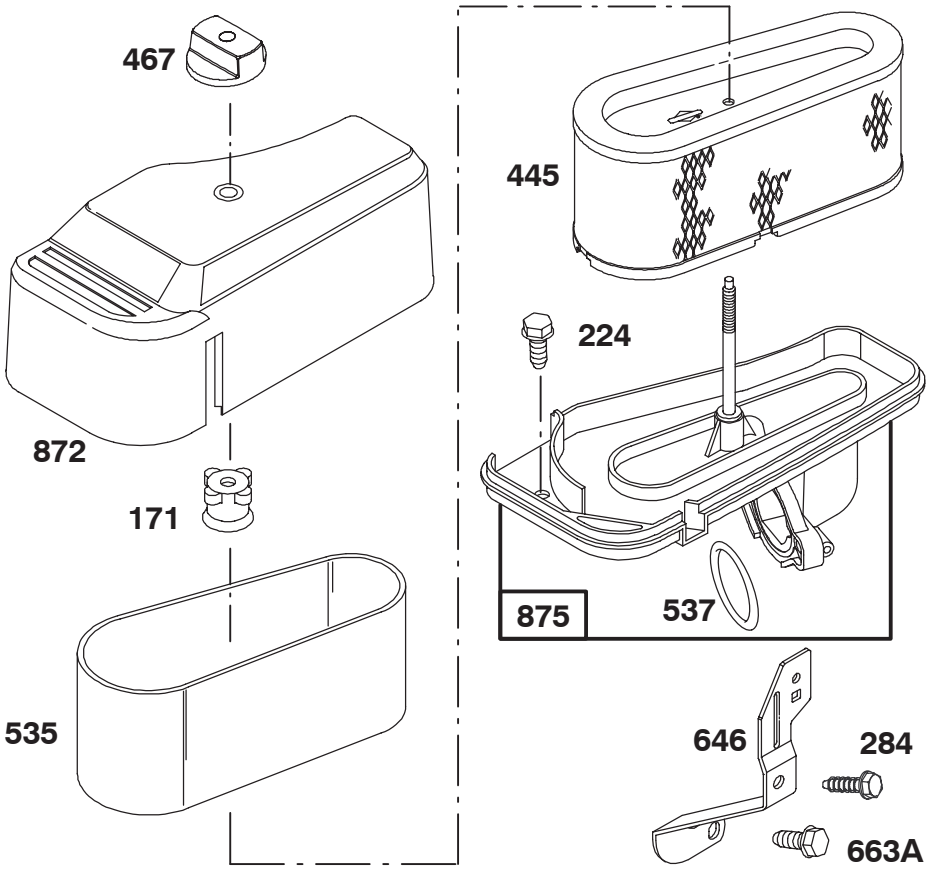
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 28Q777–0668–A1

Ref. No.	Part No.	Description	No. Used
●◆51	272465	Gasket–Carburetor	1
∆★52	272569	Gasket–Carburetor	1
53	94637	Stud–Carb. Mtg.	1
●95	94098	Screw–Throttle	1
98	495800	Screw–Idle Adjust	1
●104	231789	Pin–Float Hinge	1
●105	231855	Valve–Inlet Needle	1
●106	231854	Seat–Inlet	1
108	224540	Valve–Choke	1
●117	231858	Jet–Main	1
118	495932	Valve–Needle	1
123	94616	Screw–Elbow Mtg.	1
125	498061	Carburetor	1
●127		Plug–Welch	1
		(Sold in Kit Only)	1
130	224539	Valve–Throttle	1
131	494379	Shaft–Throttle	1
133	494381	Float–Carburetor	1
●◆137	281165	Gasket–Float Bowl	1

Ref. No.	Part No.	Description	No. Used
●◆138	281164	Washer–Float Bowl	1
141	495931	Shaft–Choke	1
●142	231990	Nozzle–Carburetor	1
●147	231985	Jet–Pilot	1
164	214047	Manifold–Intake	1
186	493496	Elbow–Fuel Pipe	1
187	393815	Line–Fuel	1
		(11” Long, Cut to Suit)	1
240	394358	Filter–Fuel	1
601	93053	Clamp–Hose	1
618	262803	Spring–Choke Return	1
●634A	281168	Seal–Choke Shaft	1
●634B	398970	Seal–Throttle Shaft	1
947	497672	Solenoid	1
965	94010	Nut–Hex.	1
975	495933	Bowl–Float	1
●987	281166	Seal–Throttle Shaft	1
1091	281364	Cap–Limiter	1

★ Included in Gasket Set–Part No. 495993.
∆ Included in Valve Overhaul Kit–Part No. 495992.
● Included in Carburetor Kit–Part No. 498116.
◆ Included in Carburetor Gasket Set–Part No. 494385.



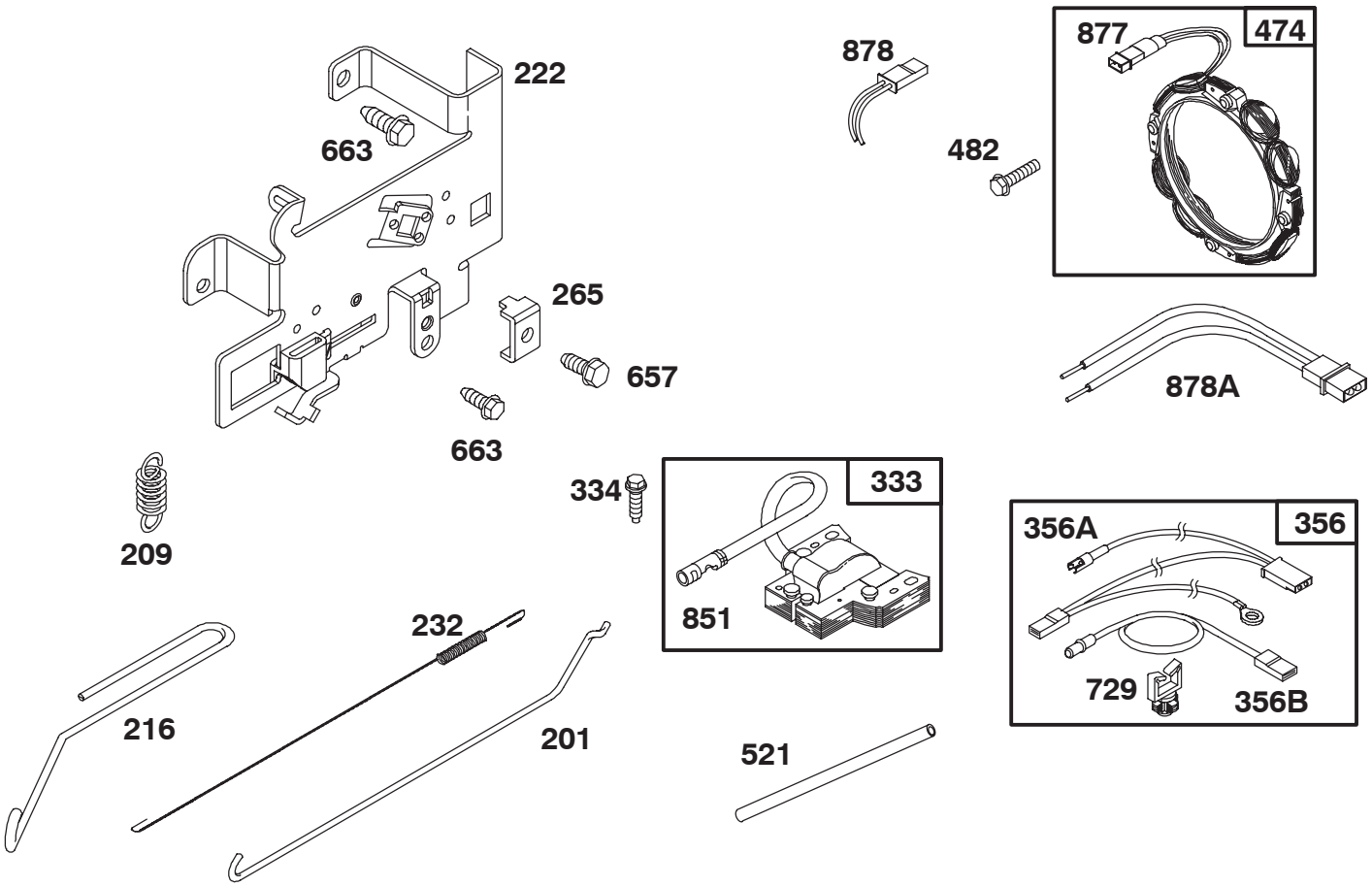
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 28Q777–0668–A1

Ref. No.	Part No.	Description	No. Used
171	281051	Nut–Air Cleaner Mtg.	1
224	94729	Screw–Air Cleaner Sem	1
284	94704	Screw–Air Cleaner	1
445	493909	Filter–Air	1
467	493903	Knob–Air Cleaner	1
535	272403	Filter–Air	1

Ref. No.	Part No.	Description	No. Used
★537	281106	Gasket–Air Cleaner	1
646	224546	Brace–Air Cleaner	1
663A	94620	Screw–Hex. Hd.	1
872	281365	Cover–Air Cleaner	1
875	495862	Body–Air Cleaner	

★ Included in Gasket Set–Part No. 495993.
∆ Included in Valve Overhaul Kit–Part No. 495992.
● Included in Carburetor Kit–Part No. 498116.
◆ Included in Carburetor Gasket Set–Part No. 494385.



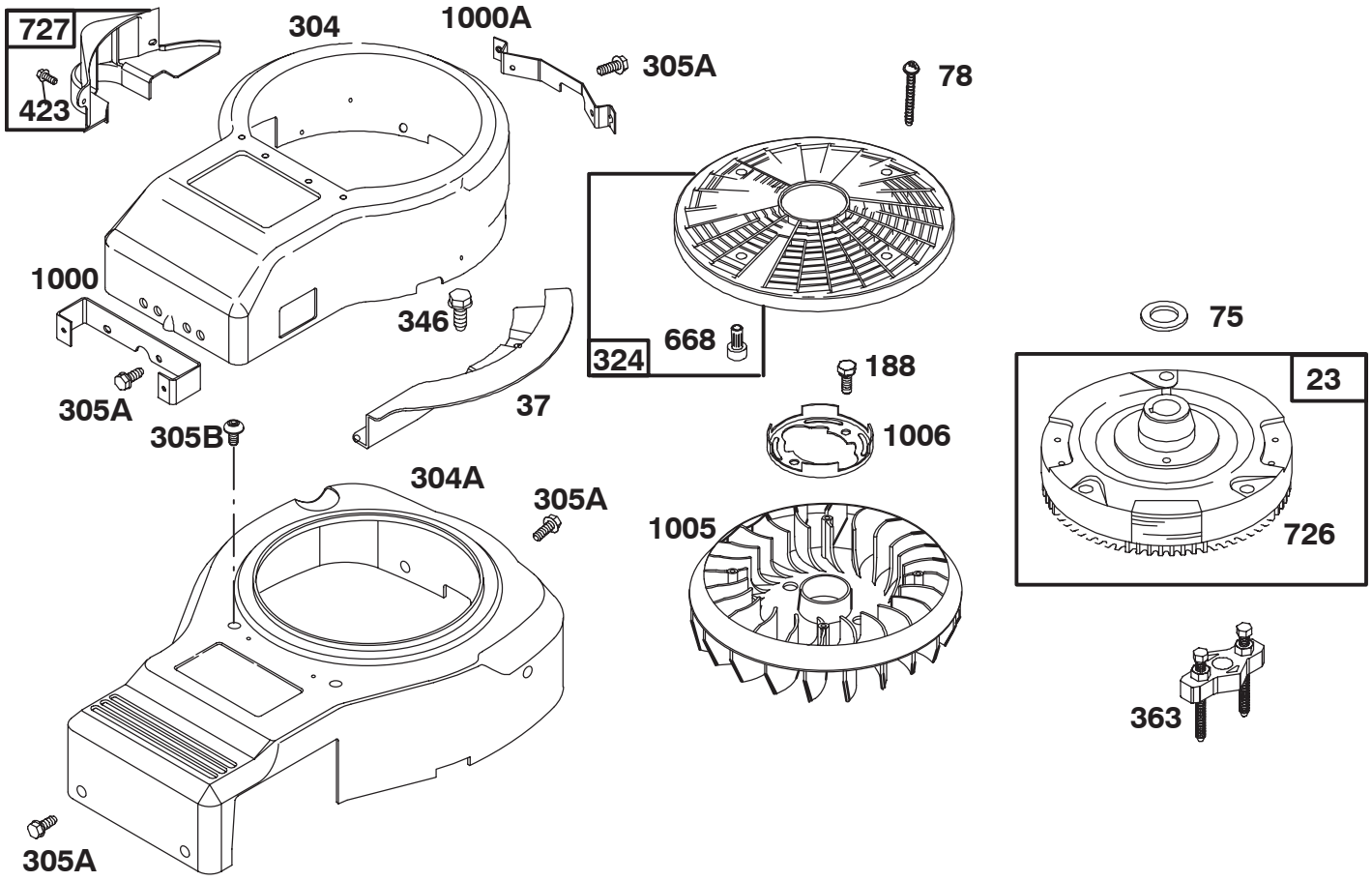
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 28Q777–0668–A1

Ref. No.	Part No.	Description	No. Used
201	262767	Link–Governor	1
209	260695	Spring–Governor	1
216	262766	Link–Choke	1
222	495611	Plate–Gov. Control	1
232	262785	Spring–Governor Link	1
265	221535	Clamp–Casing	1
333	495859	Armature–Magneto	1
334	93381	Screw–Sem	1
356	497708	Wire Stop	1
356A	497671	Wire Stop	1
356B	494705	Wire Stop	1

Ref. No.	Part No.	Description	No. Used
474	393474	Alternator	1
521	272699	Shielding–Cable	1
482	93621	Screw–Sem	1
657	93496	Screw–Sem	1
663	94620	Screw–Hex. Hd.	1
729	281390	Clip–Wire	1
851	224110	Terminal–Ignition Cable	1
877	393456	Diode Assy.	1
878	393362	Harness–Alternator	1
878A	399916	Harness–Alternator	1
1054	270723	Tie–Cable	1

★ Included in Gasket Set–Part No. 495993.
∆ Included in Valve Overhaul Kit–Part No. 495992.
● Included in Carburetor Kit–Part No. 498116.
◆ Included in Carburetor Gasket Set–Part No. 494385.



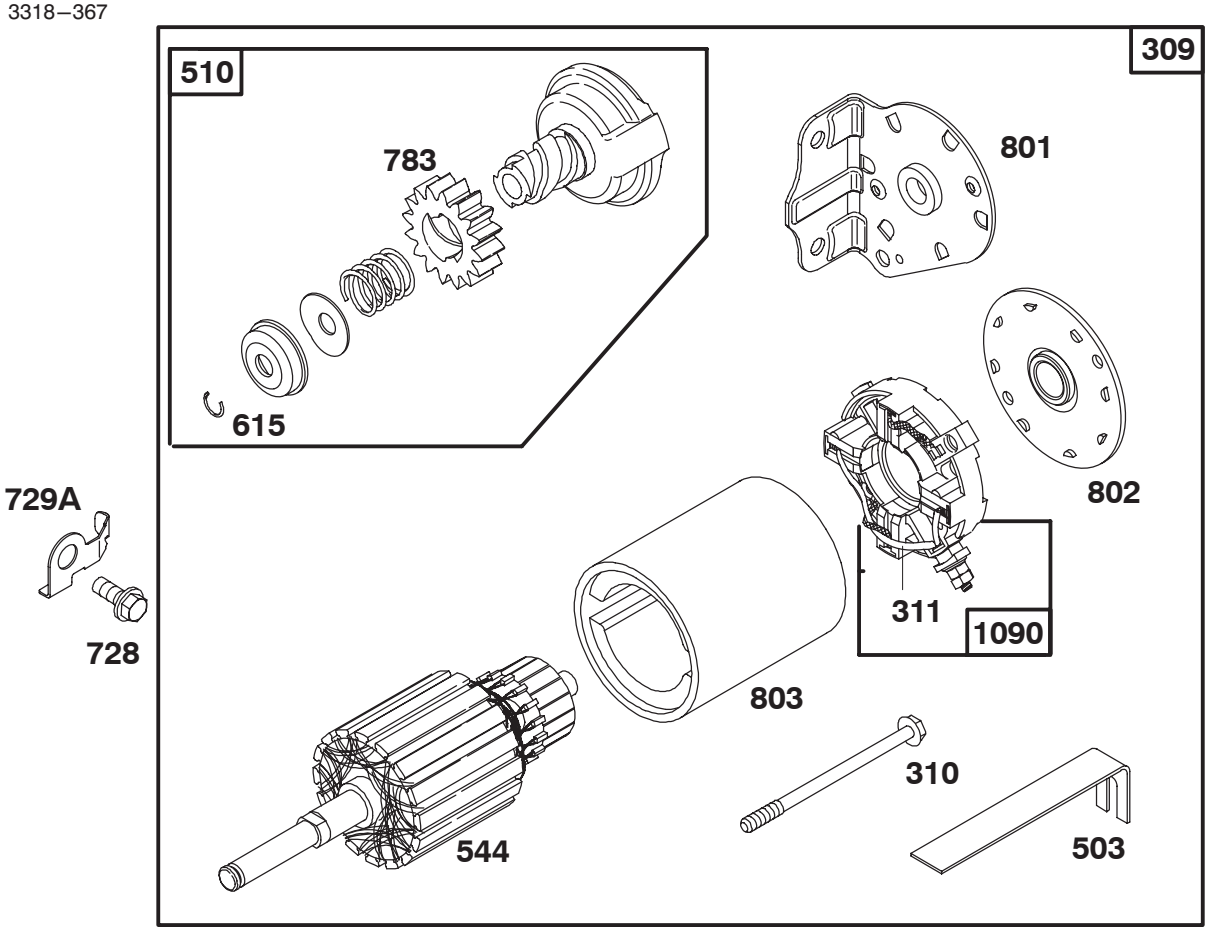
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 28Q777—0668—A1

Ref. No.	Part No.	Description	No. Used
23	492326	Flywheel	1
37	224502	Guard—Flywheel	1
75	225136	Washer—Flat	1
78	94821	Screw—Sem	1
188	94627	Screw—Sem	1
304	225175	Housing—Blower (Inner)	1
304A	225017	Housing—Blower (Outer)	1
305A	94786	Screw—Hex. Head	1
305B	94822	Screw—Sem	1
324	494439	Screen—Rotating	1
346	93705	Screw—Hex. Head	1

Ref. No.	Part No.	Description	No. Used
363	19203	Puller—Flywheel	1
423	94073	Screw—Sem	1
668	805402	Spacer	1
726	392134	Gear—Ring	1
		(Includes Mtg. Hardware)	1
727	490324	Housing—Drive	1
1000	224968	Bracket—Front	1
1000A	224969	Bracket—Rear	1
1005	281400	Fan—Flywheel	1
1006	224413	Retainer—Fan	1

★ Included in Gasket Set—Part No. 495993.
∆ Included in Valve Overhaul Kit—Part No. 495992.
● Included in Carburetor Kit—Part No. 498116.
◆ Included in Carburetor Gasket Set—Part No. 494385.



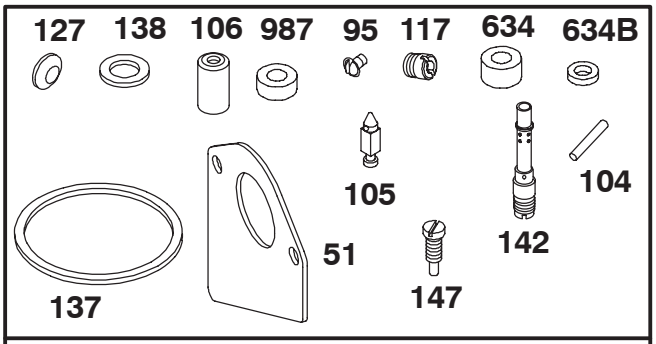
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 28Q777–0668–A1

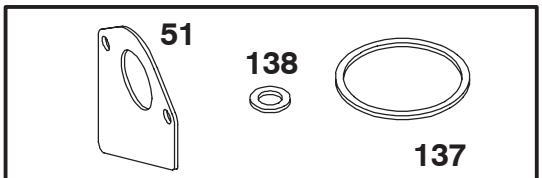
Ref. No.	Part No.	Description	No. Used
309	497595	Motor–Starter	1
310	94003	Bolt–Thru	1
311	497608	Brush Set	1
503	806000	Strap–Starter	1
510	497606	Drive–Starter	1
544	497603	Armature–Starter	1
615	263080	Retainer	1

Ref. No.	Part No.	Description	No. Used
728	94627	Screw–Hex. Head	1
729A	225170	Clip–Wire	1
783	280104	Gear–Starter	1
801	394856	Cap–Drive	1
802	497607	Plate–Cover	1
803	497604	Housing–Starter	1
1090	497605	Cap–End	1

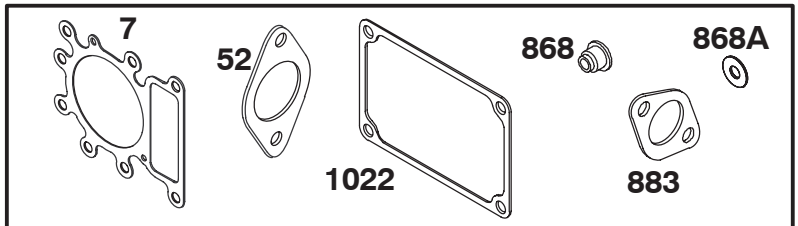
★ Included in Gasket Set–Part No. 495993.
∆ Included in Valve Overhaul Kit–Part No. 495992.
● Included in Carburetor Kit–Part No. 498116.
◆ Included in Carburetor Gasket Set–Part No. 494385.



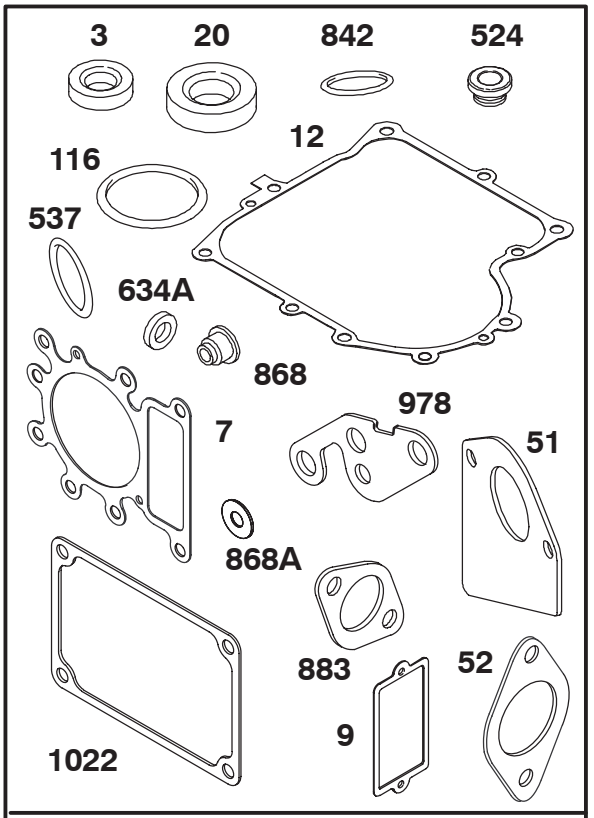
121 CARBURETOR KIT



977 CARBURETOR GASKET SET



1033 VALVE OVERHAUL KIT



358 GASKET SET

Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 28Q777—0668—A1

Ref. No.	Part No.	Description	No. Used
★3	391086	Seal—Oil	1
Δ★7	272614	Gasket—Cylinder Head	1
★9	27803	Gasket—Valve Cover	1
★12	271916	Gasket—Crankcase	1
		(.015” Thick)	1
★	271997	Gasket—Crankcase	1
		(.005” Thick)	1
★	271996	Gasket—Crankcase	1
		(.009” Thick)	1
★20	291675	Seal—Oil	1
●◆51	272465	Gasket—Carburetor	1
Δ★52	272569	Gasket—Carburetor	1
●95	94098	Screw—Throttle	1
●104	231789	Pin—Float Hinge	1
●105	231855	Valve—Inlet Needle	1
●106	231854	Seat—Inlet	1
★116	281402	O—Ring	1
●117	231858	Jet—Main	1
121	498116	Carburetor Kit	1
●127		Plug—Welch	1
		(Sold in Kit Only).	1

Ref. No.	Part No.	Description	No. Used
●◆137	281165	Gasket—Float Bowl	1
●◆138	281164	Washer—Float Bowl	1
●142	231990	Nozzle—Carburetor	1
●147	231985	Jet—Pilot	1
358	495993	Gasket Set	1
★524	68838	Seal—Fill Tube	1
★537	281106	Gasket—Air Cleaner	1
★634	491323	Seal—Governor	1
●634A	281168	Seal—Choke Shaft	1
●634B	281167	Seal—Throttle Shaft	1
★842	270920	Seal—Oil Fill Cap	1
Δ★868	494435	Seal—Valve	1
Δ★868A	272610	Gasket—Valve	1
Δ★883	272293	Gasket—Exhaust	1
977	494385	Carburetor Gasket Set	1
★978	272888	Gasket—Adapter	1
●987	281166	Seal—Shaft	1
Δ★1022	272475	Gasket—Rocker Cover	1
1033	495992	Kit—Valve Overhaul	1

★ Included in Gasket Set—Part No. 495993.
Δ Included in Valve Overhaul Kit—Part No. 495992.
● Included in Carburetor Kit—Part No. 498116.
◆ Included in Carburetor Gasket Set—Part No. 494385.

TORO PART NUMBER INDEX

Part No.	Description	Pg. No.	Ref. No.	Qty.
7228	Bulb – Light	15	11:3	2
104047	Bushing	6	3:1	1
104048	Fitting	6	3:2	1
111419	Washer – Bearing	4	12	1
111686	Socket Assembly	15	11:2	2
116397	Relay –S.P.D.T.	15	22	1
614249	Strap – Tie	2	38	1
701178	Cap – Protector	1	1	2
702366	Clip – Wire Retainer	15	6	1
702366	Clip – Wire Retainer	15	21	2
936109	Ring – Retaining	10	36	1
9267154	Screw – Hex Washer Hd.	6	8	1
3–6498	Washer – Thrust	8	7	2
3–6498	Washer – Thrust	5	17	1
3–6498	Washer – Thrust	4	21	2
3–6498	Washer – Thrust	5	22	1
3–6498	Washer – Thrust	4	38	4
3–7501	Washer – Curved	5	11	4
5–4460	Washer – Fender	3	4	1
5–4460	Washer – Fender	6	9	4
5–4460	Washer – Fender	4	17	1
5–4460	Washer – Fender	9	20	2
5–4460	Washer – Fender	7	35	1
5–4460	Washer – Fender	12	43	1
7–0030	Bolt – Shoulder	14	11	2
7–0030	Bolt – Shoulder	14	18	1
7–0036	Key – Square	8	3	2
23–0310	Bolt – Shoulder	13	8	1
26–0671	Bolt – Blade	6	12	1
26–6701	Spring – Extension	9	15	1
27–0220	Screw – Hex Washer Hd.	6	2	2
27–0220	Screw – Hex Washer Hd.	5	15	2
27–0220	Screw – Hex Washer Hd.	6	19	2
27–8890	Spring – Pedal Return	7	1	1
28–0540	Bolt – Shoulder	2	6	2
28–2480	Washer – Flat	8	4	2
28–2480	Washer – Flat	4	28	2
28–8080	Boot – Battery Terminal	15	1	1
37–8770	Bolt – Shoulder	3	1	2
37–8770	Bolt – Shoulder	3	2	2
37–8770	Bolt – Shoulder	7	31	1
37–8771	Bolt – Shoulder	13	15	1
38–1420	Switch – Seat	15	5	1
44–8110	Cable – Battery Negative	15	4	1
46–8090	Screw – Plastic	2	13	4
46–8090	Screw – Plastic	2	17	3
46–8090	Screw – Tapping	13	5	2
46–8091	Screw – Plastic	2	10	1
46–8091	Screw – Tapping	2	3	2
47–2963	Line – Fuel	6	4	1
48–7620	Screw	9	3	1
52–2891	Bushing – Steering Links	4	11	1
56–2540	Tube – Vent	15	29	1
61–9780	Cap – Hub	8	6	2
61–9780	Cap – Hub	4	26	2
63–8360	Key – Ignition	15	25	1
65–2920	Pad – Pedal	7	20	1
65–5080	Bushing – Flanged	9	22	1
65–7210	Spacer	14	23	1
66–0120	Knob	6	1:1	1
80–2240	Plate – Name Grille	15	31	1
80–2600	Battery – 7 Plate	15	3	1
80–6090	Key – Square	9	28	1
80–6990	Washer – Hardened	14	8	2
86–4270	Spacer – Lock	9	11:4	1
86–4270	Spacer	10	103	1
88–0890	Grip – Parking Brake	4	37	1
88–3840	Body – Rear	1	28	1
88–3850	Wheel – Steering	5	1	1
88–3870	Cover – Steering Wheel	5	1:2	1
88–3880	Tank – Gas	6	3	1
88–3940	Panel – Rear Hitch	1	5	1
88–3960	Lens – Headlights	15	12	1
88–3970	Reflector – Lamp Asm	15	11	1
88–3980	Cap – Gas	6	27	1
88–4040	Box – Battery	15	30	1
88–4070	Tire	4	29:2	2
88–4140	Nut – Wedge	2	23	2
88–4160	Clamp – Pivot Rod	2	24	2
88–4170	Rod – Pivot Tower	2	20	1
88–4180	Button – Release	5	5	1
88–4190	Bushing – Sliding	5	4	1
88–4210	Bushing – Stationary	5	19	1
88–4230	Trunnion – H.O.C. Rear	14	13	2
88–4320	Harness – Wire/Lights	15	18	1
88–4340	Throttle Control Assembly	6	1	1
88–4350	Cable Assembly – Throttle	6	26	1
88–4370	Rim – Wheel	4	29:1	2
88–4390	Rim Asm	8	2:2	2
88–4400	Bearing – Wheel	4	29:4	2
88–4410	Gasket – Muffler	6	18	1
88–4620	Bracket – Idler Pivot	1	11	1
88–4630	Plate – Engine Mounting	1	24	1
88–4670	Bushing – Eccentric	4	9	1
88–4690	Block – Pivot	13	7	1
88–4730	Clamp – H.O.C. Pivot	14	16	2
88–4810	Clamp – Shift Pivot	7	13	1
88–4820	Bracket – Seat Hinge	3	11	2
88–4880	Spacer – Microswitch	15	17	1
88–4890	Spring – Leaf	5	10	1
88–4910	Support – Seat	3	3	1
88–4990	Tray – Fender	3	23	1
88–5000	Pedal – Clutch/Brake	7	21	1
88–5010	Spacer – Steering Rack	4	7	1
88–5030	Gate – H.O.C.	3	9	1
88–5130	Bracket – Steering Rack	4	5	1
88–5150	Bushing – Flange	5	16	1
88–5170	Cover – H.O.C. Int'l	3	7	1
88–5180	Bracket – Backup	5	8	1
88–5190	Lever – Deck Engage	2	25	1
88–5200	Rack – Steering	4	10	1
88–5230	Mat – Foot R.H. Hydro	3	17	1
88–5240	Mat – Foot L.H.	3	16	1
88–5270	Rod – Clutch/Brake	7	29	1
88–5360	Spacer – Pulley	8	1	2
88–5450	Rod – Hanger Rear	14	12	2
88–5470	Spacer – Front Axle	4	23	2
88–5500	Rod – Pedal Pivot	7	15	1
88–5510	Rod – Parking Brake	4	35	1
88–5520	Bracket – Parking Brake	4	36	1
88–5560	Guide – Belt Idler	7	32	1
88–5570	Link – Adjusting H.O.C.	14	6	4
88–5610	Lever – Neutral Return	13	14	2
88–5680	Pulley – Flat Idler	7	33	1
88–6040	Bracket – Hinge R.H.	2	18	1
88–6050	Bracket – Hinge L.H.	2	7	1
88–6070	Arm – Idler	7	30	1
88–6090	Coupling – Steering	5	20	1
88–6140	Spring – Brake	7	2	1
88–6220	Spring – Compression	1	4	2
88–6300	Shaft – Steering Upper	5	13	1
88–6330	Spring – Extension	7	7	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
88–6370	Shaft – Steering S	5	14	1
88–9830	Switch – Ignition	15	24	1
88–9932	Switch – Micro	15	19	2
92–2460	Decal – Ignition/Lights Int'l	2	30	1
92–2461	Decal – Throttle Int'l	2	31	1
92–2462	Decal – Deck Engage Int/l	2	32	1
92–2467	Decal – Hood R.H.	2	34	1
92–2468	Decal – Hood L.H.	2	33	1
92–5782	Patch – Head Tape	2	15	1
92–6511	Seat – High Back V511	3	25	1
92–6543	Seal – Lip	10	3	1
92–6544	Seal – Lip	10	15	1
92–6545	Seal – Lip	10	24	1
92–6547	Arm – Bypass	10	35	1
92–6549	Pin – Actuating	12	38	1
92–7305	Spring – Extension	13	11	1
92–7889	Spindle – R.H.	4	30	1
92–8650	Hood – TORO	2	14	1
92–8856	Wire – Bypass	9	8	1
92–8857	Lever – Bypass	9	26	1
92–8875	Switch – Rocker Lights	15	26	1
92–9674	Knob – Studded	3	5	1
92–9845	Solenoid	15	8	1
93–0303	Tower – Steering	2	1	1
93–0323	Tire	8	2:1	2
93–0539	Screw – Phillips Pan Hd.	15	15	4
93–3240	Seal – Plunger	15	20	1
93–3807	Nut – Castle	12	134	1
93–3808	Spring – Extension	14	17	1
93–3809	Bracket – Ground	6	31	1
93–3810	Harness – Wire	15	23	1
93–3812	Pedal – Speed Control	13	9	1
93–3822	Lever – H.O.C.	14	1	1
93–3831	Support – Rear	1	38	1
93–3832	Pulley – Engine	6	11	1
93–3833	Spindle – L.H.	4	18	1
93–3834	Support – Front Axle	1	21	1
93–3840	Link – Drag	4	34	1
93–3849	Bracket – Cable Upper	2	37	1
93–3854	Guide – Belt	6	7	3
93–3855	Guide – Belt R.H.	6	22	1
93–3856	Bracket – Trans. Mtg. R.H.	1	36	1
93–3857	Bracket – Trans. Mtg. L.H.	1	10	1
93–3861	Lever – Brake	12	37	1
93–3862	Pulley – Transmission	9	7	1
93–3863	Bracket – Speed Control	9	21	1
93–3864	Shield – Heat	2	16	1
93–3867	Fan – Hydro	9	5	1
93–3868	Guide – Trans. Belt	9	17	2
93–3870	Control Arm	10	100	1
93–3870	Lever Asm – Speed Control	9	11:3	1
93–3872	Strap – Torque	9	9	1
93–3873	Rod – Tie	4	32	1
93–3874	Link – Speed/Direct Control	13	18	1
93–3875	Bellcrank	13	16	1
93–3877	Rod – Speed Control	13	13	1
93–3880	Shield – Muffler	6	32	1
93–3882	Clip – Tinnerman	6	34	1
93–3883	V–Belt – Hydro	9	18	1
93–3885	Tube	14	3	1
93–3888	Link – H.O.C.	14	10	1
93–3891	Duct – Hood Air	2	12	1
93–3892	Muffler	6	15	1
93–3893	Inner Tube (Optional)	8	2:4	2
93–6668	Decal – Battery Charge Inst.	16	2	1
93–6678	Decal – Dump Valve Hydro	1	31	1
93–7276	Decal – Danger	16	1	1
93–7660	Pivot – H.O.C.	14	22	1
93–8450	Shield – Exhaust	6	33	1
93–8741	Reflector – Headlight	15	11:1	1
93–9354	Decal – Battery	16	4	1
93–9911	Arrestor – Spark	6	40	1
94–1238	Decal – Instruction	1	33	1
94–1900	Housing – Lower	12	1	1
94–1901	Housing Asm – Upper	10	2	1
94–1902	Ring – Wire Retaining	10	4	1
94–1903	Ring – Retaining	10	5	1
94–1904	Bearing – Shaft Ball	10	6	1
94–1905	Bearing – Cradle	10	7	2
94–1907	Swashplate – Variable	10	9	1
94–1908	Block – Cylinder Asm	10	13	1
94–1909	Arm – Trunion	10	14	1
94–1910	Guide – Slot	10	17	1
94–1913	Block – Cylinder Asm	12	23	1
94–1914	Actuator – Bypass	12	25	1
94–1915	Centersection Asm	12	26	1
94–1916	Seal – Lip	12	27	1
94–1917	Ring – Retaining	12	28	1
94–1918	Washer	12	29	2
94–1919	Brake Rotor/Starter Kit	12	41	4
94–1920	Oil Filter Element	12	34	1
94–1921	Differential Asm	11	44	1
94–1922	Washer	11	52	2
94–1923	Bolt	12	39	1
94–1924	Seal	11	53	2
94–1925	Shaft – Input	10	56	1
94–1926	Bolt	12	58	21
94–1927	Pin	12	59	2
94–1930	Jackshaft/Pinion Gear Asm	12	83	1
94–1932	Capscrew	12	88	2
94–1933	Washer	12	89	2
94–1934	Sleeve – Bearing	11	90	2
94–1935	Seal – Wiper	11	91	2
94–1936	Spring – Block	10	92	1
94–1937	Washer – Block Thrust	10	93	1
94–1945	Hose – Breather	9	29	1
94–1951	Latch – Hood	6	44	1
94–1952	Rod – Gas Tank	6	24	1
94–1980	Foam – Hood	2	39	2
94–1984	Pin – Latch	2	11	1
94–1990	Axle – Front	4	31	1
94–1998	Frame – Rail R.H.	1	25	1
94–1999	Frame – Rail L.H.	1	13	1
94–3526	Decal – Engine 15 TQPLUS	6	29	1
94–3528	Decal – Tower 1544HXL	2	29	2
94–3530	Decal – Rear Body 1644	1	35	1
94–4292	Cable – Deck Engage	2	35	1
94–4909	Trim – Seat	3	25:1	1
94–5362	Boot – Terminal Insulator	15	33	1
94–5565	Knob – Control	2	2	1
94–5565	Knob – Control	14	24	1
94–6922	Bearing – Thrust	10	8	1
94–6923	Bearing – Thrust	12	19	1
94–6925	Bypass Plate	12	30	1
94–6926	Bolt	12	57	3
94–6946	Transaxle Asm – Hydro	9	11	1
94–6955	Shaft – Motor	12	18	1
94–6956	Jackshaft	12	85	1
218–461	Nut – Hex	15	24:2	1
218–560	Cap – Battery	16	3	6
232–27	Stem & Valve	4	29:3	2
232–27	Valve Stem	8	2:3	2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
232–39	Tube – Inner	429	6	2
2412–98	Clamp – Hose	6	5	2
302–5	Fitting – Grease	429	5	2
302–26	Fitting – Grease	4	8	1
321–2	Screw – Hex Hd. Cap	2	5	4
321–4	Screw – Hex Hd. Cap	15	2	2
321–4	Screw – Hex Hd. Cap	5	7	2
321–9	Screw – Hex Hd. Cap	5	21	2
322–3	Screw – Hex Hd. Cap	1	7	4
322–3	Screw – Hex Hd. Cap	1	9	4
322–3	Screw – Hex Hd. Cap	3	10	4
322–3	Screw – Hex Hd. Cap	7	14	2
322–3	Screw – Hex Hd. Cap	9	16	1
322–3	Screw – Hex Hd. Cap	14	19	4
322–3	Screw – Hex Hd. Cap	1	20	6
322–3	Screw – Hex Hd. Cap	1	23	2
322–3	Screw – Hex Hd. Cap	1	26	4
322–3	Screw – Hex Hd. Cap	1	27	2
322–3	Screw – Hex Hd. Cap	2	28	2
322–3	Screw – Hex Hd. Cap	6	39	1
322–5	Screw – Hex Hd. Cap	9	19	2
322–5	Screw – Hex Hd. Cap	1	2	2
322–5	Screw – Hex Hd. Cap	6	10	2
322–9	Screw – Hex Hd. Cap	14	2	1
322–9	Screw – Hex Hd. Cap	6	6	3
322–12	Screw – Hex Hd. Cap	9	32	4
323–11	Screw – Hex Hd. Cap	7	34	1
323–13	Screw – Hex Hd. Cap	4	2	2
3218–2	Nut – Hex Jam	14	25	1
3230–1	Screw – Carriage	4	6	4
3230–3	Screw – Carriage	4	4	1
3230–3	Screw – Carriage	7	22	1
3230–5	Bolt – Carriage	9	23	1
3230–7	Bolt – Carriage	9	24	1
3231–4	Screw – Carriage	4	3	1
3253–4	Washer – Lock	6	21	2
3253–4	Washer – Spring Lock	6	38	1
3253–22	Washer – Lock	6	13	1
3254–5	Washer – Lock	15	24:1	1
3255–7	Washer – Lock	15	14	1
3255–8	Washer – Lock	6	36	1
3256–22	Washer – Flat	13	6	2
3256–22	Washer – Flat	5	6	2
3256–22	Washer – Flat	9	25	1
3256–23	Washer – Flat	13	2	4
3256–23	Washer – Flat	1	3	2
3256–23	Washer – Flat	9	14	3
3256–23	Washer – Flat	1	22	2
3256–23	Washer – Flat	7	23	1
3256–23	Washer – Flat	2	27	2
3256–23	Washer – Flat	9	33	4
3256–24	Washer – Flat	14	5	2
3256–24	Washer – Flat	2	21	2
3256–24	Washer – Flat	4	24	2
3256–25	Washer – Flat	4	13	1
3256–25	Washer – Flat	6	14	1
3256–26	Washer – Flat	7	18	1
3256–58	Washer – Flat	9	4	1
3269–26	Washer	3	13	2
3272–7	Pin – Cotter	12	135	1
3272–10	Pin – Cotter	4	14	1
3272–10	Pin – Cotter	7	24	1
3272–12	Pin – Cotter	4	27	2
3274–10	Screw – Socket Hd.	6	20	2
3274–59	Screw – Cap Socket Hd.	10	101	1
3274–59	Screw – Hex Socket Hd.	9	11:5	1
3290–282	Rivet – Pop	3	8	2
3290–299	Nut – Tinnerman	15	32	1
3290–307	Pin – Hair Cotter	13	1	4
3290–307	Pin – Hair Cotter	9	1	1
3290–307	Pin – Hair Cotter	14	4	1
3290–307	Pin – Hair Cotter	14	7	2
3290–307	Pin – Hairpin Cotter	2	19	2
3290–354	Nut – Speed	15	16	2
3290–456	Washer – Belleville	13	17	1
3290–479	Fastener – Panel	3	6	4
3290–479	Fastener – Panel	3	15	12
3290–496	Nut – Retained	2	8	2
3296–5	Nut – Lock	4	20	3
3296–12	Nut	10	102	1
3296–12	Nut – Lock	9	11:6	1
3296–20	Nut – Lock Insert	12	140	1
3296–29	Nut – Hex Lock	1	12	4
3296–29	Nut – Lock	4	1	4
3296–29	Nut – Lock	1	6	2
3296–29	Nut – Lock	1	8	4
3296–29	Nut – Lock	9	10	2
3296–29	Nut – Lock	3	12	6
3296–29	Nut – Lock	9	13	5
3296–29	Nut – Lock	1	14	2
3296–29	Nut – Lock	14	14	4
3296–29	Nut – Lock	1	15	6
3296–29	Nut – Lock	14	15	2
3296–29	Nut – Lock	1	16	2
3296–29	Nut – Lock	4	16	1
3296–29	Nut – Lock	6	16	2
3296–29	Nut – Lock	7	19	1
3296–29	Nut – Lock	14	20	1
3296–29	Nut – Lock	14	21	1
3296–29	Nut – Lock	6	25	2
3296–29	Nut – Lock	2	26	2
3296–29	Nut – Lock	7	26	2
3296–29	Nut – Lock	7	27	1
3296–29	Nut – Lock	9	27	4
3296–29	Nut – Lock	1	29	4
3296–39	Nut – Lock	4	15	1
3296–39	Nut – Lock	4	25	2
3296–42	Nut – Lock	2	4	4
3296–42	Nut – Lock	5	9	2
3296–42	Nut – Lock	5	12	2
3296–47	Nut – Lock	13	19	1
3296–59	Nut – Lock	13	10	1
3296–59	Nut – Lock	7	28	2
32103–22	Nut – Wing Nylon	15	28	2
32104–76	Screw – Self Tapping	6	35	2
32104–76	Screw – Self Tapping	6	43	2
32121–111	Pin – Roll	5	2	1
32128–43	Nut – Flange	2	22	2
32144–4	Screw – Tapping	15	9	2
32144–4	Screw – Tapping	15	13	1
32144–4	Screw – Tapping	6	17	2
32144–4	Screw – Tapping	2	36	2
32144–4	Screw – Tapping	6	37	1
32144–32	Screw – Plastic	15	10	2
32144–42	Screw – Hex Hd. Tapping	6	41	1
32149–1	Nut – Keps	6	23	2
32149–2	Nut – Lock Keps	15	7	3
32151–48	Ring – Retaining	8	5	2
32151–48	Ring – Retaining	5	18	1
32151–48	Ring – Retaining	4	33	2
32151–81	Ring – Retaining	5	3	1
32151–83	Ring – Retaining	13	12	1

*Not Illustrated

PRODUCT CHANGES

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

COUNTRIES OTHER THAN THE UNITED STATES OR CANADA

Customers who have purchased TORO products exported from the United States or Canada should contact their Toro Distributor (Dealer) to obtain guarantee policies for your country, province or state. If for any reason you are dissatisfied with your Distributor's service or have difficulty obtaining guarantee information, contact the TORO importer. If all other remedies fail, you may contact us at The Toro Company.

IDENTIFICATION AND ORDERING

MODEL AND SERIAL NUMBERS

The Lawn mower has two identification numbers; a model number and a serial number. The two numbers are stamped on a decal which is located on the rear of the housing. In any correspondence concerning the lawn mower, 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 lawn mower.
2. Part number, description, and the quantity of part(s) desired.

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

TABLE OF CONTENTS

Description	Page
Frame Assembly	1
Hood Assembly	2
Seat Assembly	3
Front Axle Assembly	4
Steering Assembly	5
Engine Assembly	6
Clutch Assembly	7
Rear Axle Assembly	8
Transaxle Assembly	9
Hydro Transaxle Assembly	10–12
Speed Control Assembly	13
Height of Cut Assembly	14
Electrical Assembly	15
Battery Assembly	16
Electrical Schematic	17
Engine Briggs & Stratton Model 28Q777–0668–A1	18–27
TORO Numerical Index	28–31

OPTIONAL EQUIPMENT

Twin Bag Vac. Bagger Kit	Model No. 79102
Recycler Kit (Std. this Model)	Model No. 79174
Hi–Sail Baggin Blade	Part No. 57–4940
Tire Chains	Model No. 82522
Headlight Kit (Std. This Model)	Model No. 79180
42" Snowblade Kit	Model No. 79150
Snow Blade Adapter Kit	Part No. 93–3806
Wheel Weight Kit	Model No. 59159
44" Side Discharge Deck	Model No. 79107

MAINTENANCE RECORD

Date								