Form Number 3352-293 Rev C

Precision Z310
Riding Mower

Model No. 81235 - 250000001 and up.

Parts Catalog

Ordering Replacement Parts
To order replacement parts, please supply the part number, the quantity, and the description of each part desired.

Understanding Reference Numbers
Each Identified part in an illustration has a reference number. The reference number for a part also appears in the parts list, along with other information about the part.

This catalog uses two special reference number formats, one to indicate parts in a service assembly and another to indicate the quantity of a given part in an illustration.

Service Assembly Reference Numbers
Parts in service assemblies have reference numbers in the form a:b. The a represents the reference number of the entire service assembly and the b represents a sequential number unique to each part within the service assembly.

For example, a wheel assembly might be identified by reference number 6, the tire by 6:1, the valve by 6:2, and the wheel by 6:3. When you order the assembly identified by reference number 6, you receive all parts identified by reference numbers 6:1, 6:2, and 6:3. However, you may also order any part individually. Reference numbers of this type appear in illustrations and in part lists.

Reference Numbers Indicating Quantity
In an illustration, if a reference number indicates more than one part, the reference number has the form nX y. The n represents the quantity of the part, the X is the multiplication symbol, and the y represents the reference number.

For example, in an illustration, the reference number 2X 37 means that two of the parts identified by reference number 37 are indicated.

© Lawn-Boy Inc. - 2008
All Rights Reserved

Register your product at www.LawnBoy.co

Contents

Description	Page
Frame Assembly	3
Seat Assembly	4
Control Assembly	5
Hydro and Belt Drive Assembly	6
RH Hydro Transaxle Assembly No. 108-2393	7
LH Hydro Transaxle Assembly No. 108-2394	9
Engine Assembly	11
Styling Assembly	12
Deck Assembly	13
Deck Spindle and Drive Belt Assembly	14
Electrical Assembly	15
Cylinder Assembly Briggs and Stratton 280h07-0166-e1	16
Cylinder Head Assembly Briggs and Stratton 280h07-0166-e1	17
Crankshaft Assembly Briggs and Stratton 280h07-0166-e1	18
Crankcase Assembly Briggs and Stratton 280h07-0166-e1	19
Oil Filter, Tube and Pump Assembly Briggs and Stratton 280h07-0166-e1	20
Carburetor Assembly Briggs and Stratton 280h07-0166-e1	21
Governor Assembly Briggs and Stratton 280h07-0166-e1	22
Blower Housing Assembly Briggs and Stratton 280h07-0166-e1	23
Starter Assembly Briggs and Stratton 280h07-0166-e1	24
Gasket Assembly Briggs and Stratton 280h07-0166-e1	25
Carburetor Overhaul Kit Assembly Briggs and Stratton 280h07-0166-e1	26
Attachments and Accessories List	27

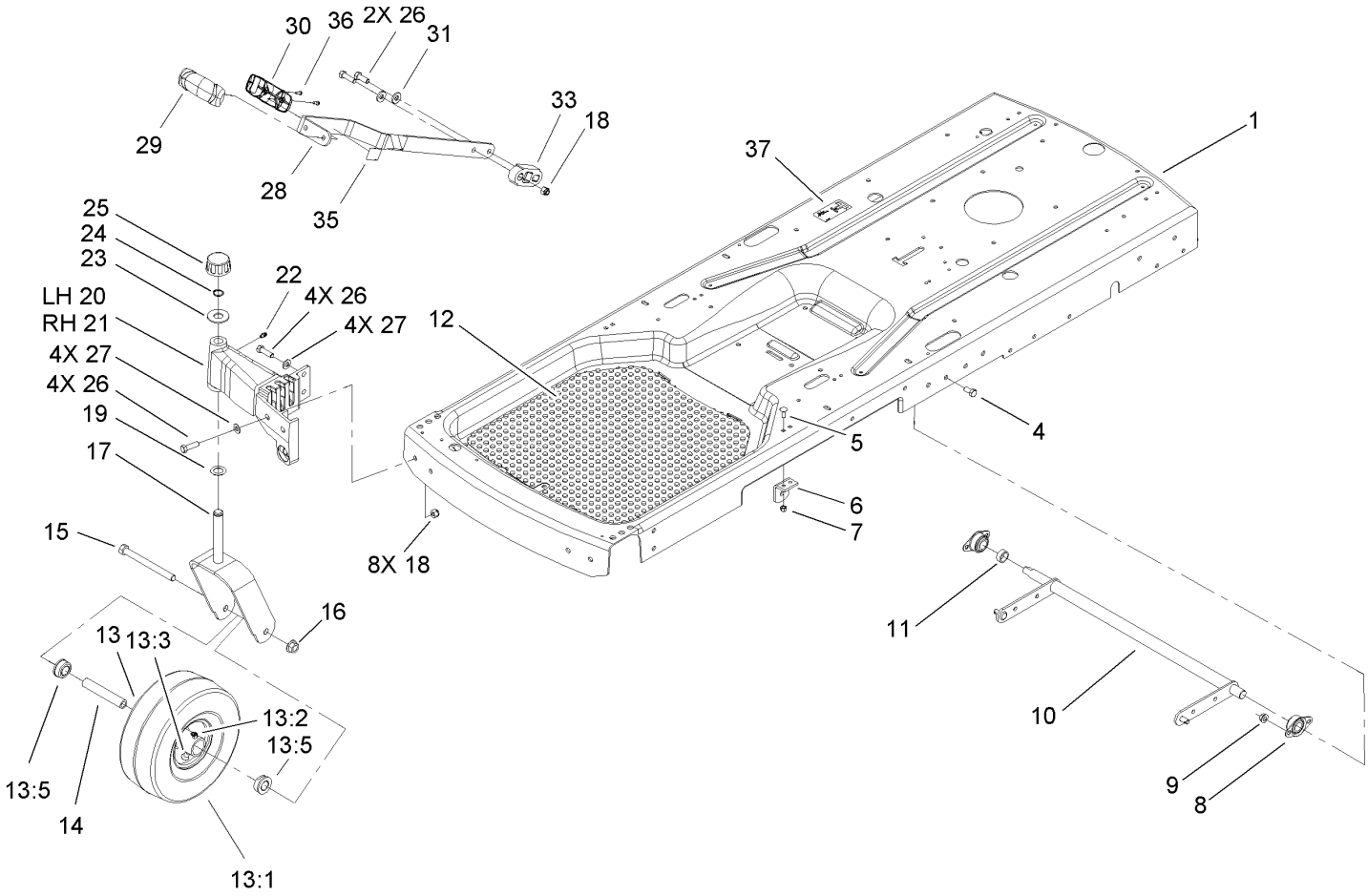
Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

AR. . . . . as required
ASM. . . . . assembly
BBC. . . . . blade brake clutch
CARR. . . . . carriage
DEG. . . . . degrees
EXT. . . . . external
FH. . . . . flat head
GA. . . . . gauge
HD. . . . . heavy-duty
HF. . . . . hex flange
HH. . . . . hex head
HHF. . . . . hex head flange
HHFTF. . . . . hex head flange thread forming
HJ. . . . . hex jam
HLH. . . . . hex lag head
HOC. . . . . height-of-cut
HSBH. . . . . hex socket button head
HSFH. . . . . hex socket flat head
HSH. . . . . hex socket head
HWH. . . . . hex washer head
HWHTF. . . . . hex washer head thread forming
HYD. . . . . hydraulic
LH. . . . . left hand
NI. . . . . nylon insert
NPTF. . . . . national pipe thread fine
PFH. . . . . phillips flat head
PPH. . . . . phillips pan head
PPHTF. . . . . phillips pan head thread forming
PRH. . . . . phillips round head
PTH. . . . . phillips truss head
PTO. . . . . power-take-off
RH. . . . . right hand
ROPS. . . . . roll-over protection system
SFH. . . . . slotted fillister head
SHH. . . . . slotted hex head
SHWH. . . . . slotted hex washer head
SPH. . . . . slotted pan head
SQH. . . . . square head
SRH. . . . . slotted round head
STD. . . . . standard
TAP. . . . . self tapping
TTH. . . . . torx truss head

Footnotes

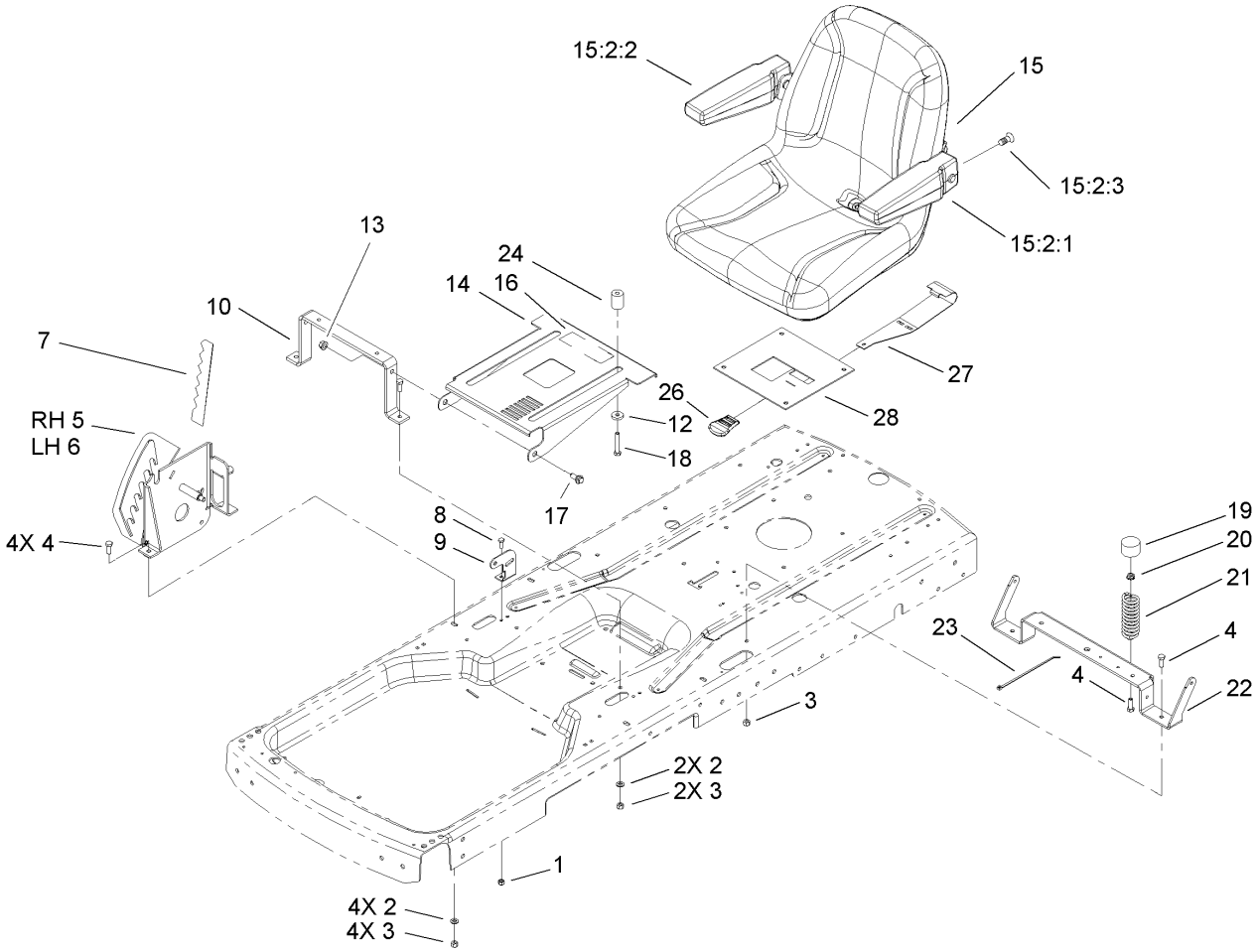
❶ Not illustrated
❷ Not serviced separately
❸ Included in Engine Gasket Set-Ref. 358.
❹ Included in Valve Gasket Set-Ref. 1095.
❺ Included in Carburetor Overhaul Kit-Ref. 121.
❻ Included in Carburetor Gasket Set-Ref. 977.
❼ Obtain from your local Briggs & Stratton dealer



Frame Assembly

Ref	Part No.	Qty.	Description
1	108-2326	1	Frame
4	323-4	4	Screw-HH
5	3229-1	4	Screw-CARR
6	105-3439	2	Bracket-Lift
7	3296-42	4	Nut-Lock, NI
8	1-633102	2	Bearing-Flange, Side
9	3290-357	4	Nut-HHF, Whiz
10	105-3499-03	1	Lift Arm ASM
11	106-2222	1	Spacer
12	108-6161	1	Footmat-Frame
13	108-6126	2	Castor Wheel ASM
13:1	105-1943	1	Tire
13:2	302-11	1	Fitting-Lube, 45 DEG
13:3	232-27	1	Stem-Valve
13:5	114-1640	2	Bushing-Flange
❶13:99	93-4244	1	Tube-Inner (W/Valve)
14	104-3667	2	Spanner-Wheel
15	325-22	2	Screw-HH
16	32128-23	2	Nut-HF
17	107-9119-03	2	Castor Fork ASM
18	3296-39	9	Nut-Lock, NI
19	3-6498	2	Washer-Thrust
20	105-6986-02	1	Castor-LH
21	105-6985-02	1	Castor-RH

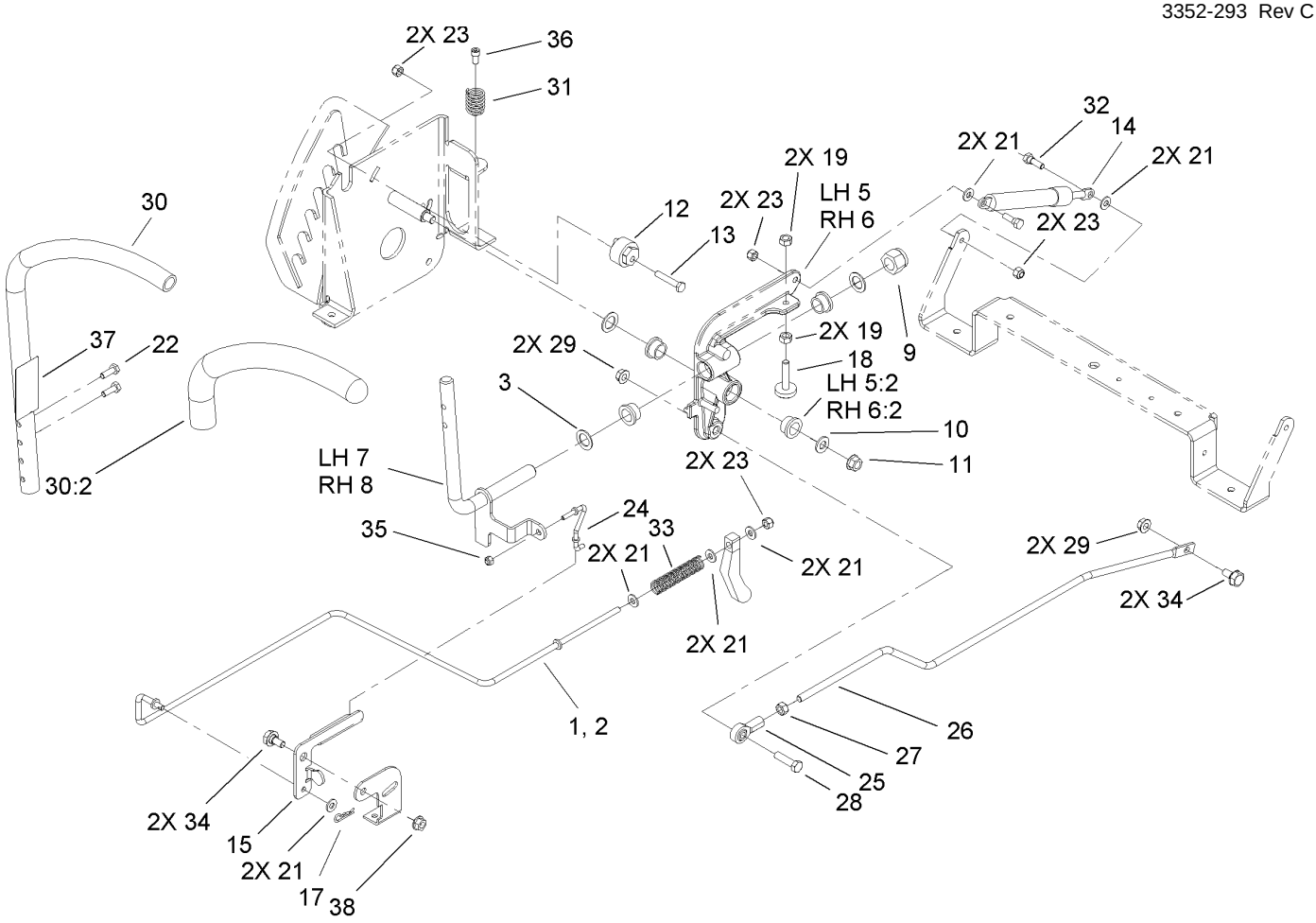
Ref	Part No.	Qty.	Description
22	302-5	2	Fitting-Grease
23	28-2480	2	Washer
24	32151-103	2	Ring-Retaining, EXT
25	61-9780	2	Cap-Hub
26	323-18	10	Screw-HH
27	3256-24	8	Washer-Flat
28	108-2317-03	1	Lever-Lift
29	108-2318	1	Handle-Top
30	108-2319	1	Handle-Bottom
31	98-5975	2	Washer-Belleville
33	106-2211	1	Block-Lift
35	106-8743	1	Decal
36	94-6961	2	Screw
37	108-6109	1	Decal-Transport, Ce



Seat Assembly

Ref	Part No.	Qty.	Description
1	3296-42	4	Nut-Lock, NI
2	3256-23	6	Washer-Flat
3	3296-29	12	Nut-Lock, NI
4	322-4	14	Screw-HH
5	106-2158-03	1	RH Plate ASM
6	106-2159-03	1	LH Plate ASM
7	108-2392	1	Decal-HOC
8	321-4	4	Screw-HH
9	106-2180	2	Bracket-Bellcrank
10	105-6954-03	1	Brace-Seat, Front
12	108-2353	4	Spacer
13	32128-21	2	Nut-HF
14	108-2303-03	1	Bracket-Seat
15	106-6446	1	Seat ASM
15:2:1	108-6177	1	LH Armrest ASM
15:2:2	108-6178	1	RH Armrest ASM
15:2:3	108-6179	6	Screw-HSBH
16	106-8716	1	Decal-Services
17	94-7582	2	Bolt-Shoulder
18	322-11	4	Screw-HH
19	701178	2	Cap-Protector
20	32128-25	2	Nut-HF
21	92-7054	2	Spring-Compression
22	108-2358-03	1	Brace-Seat, Rear

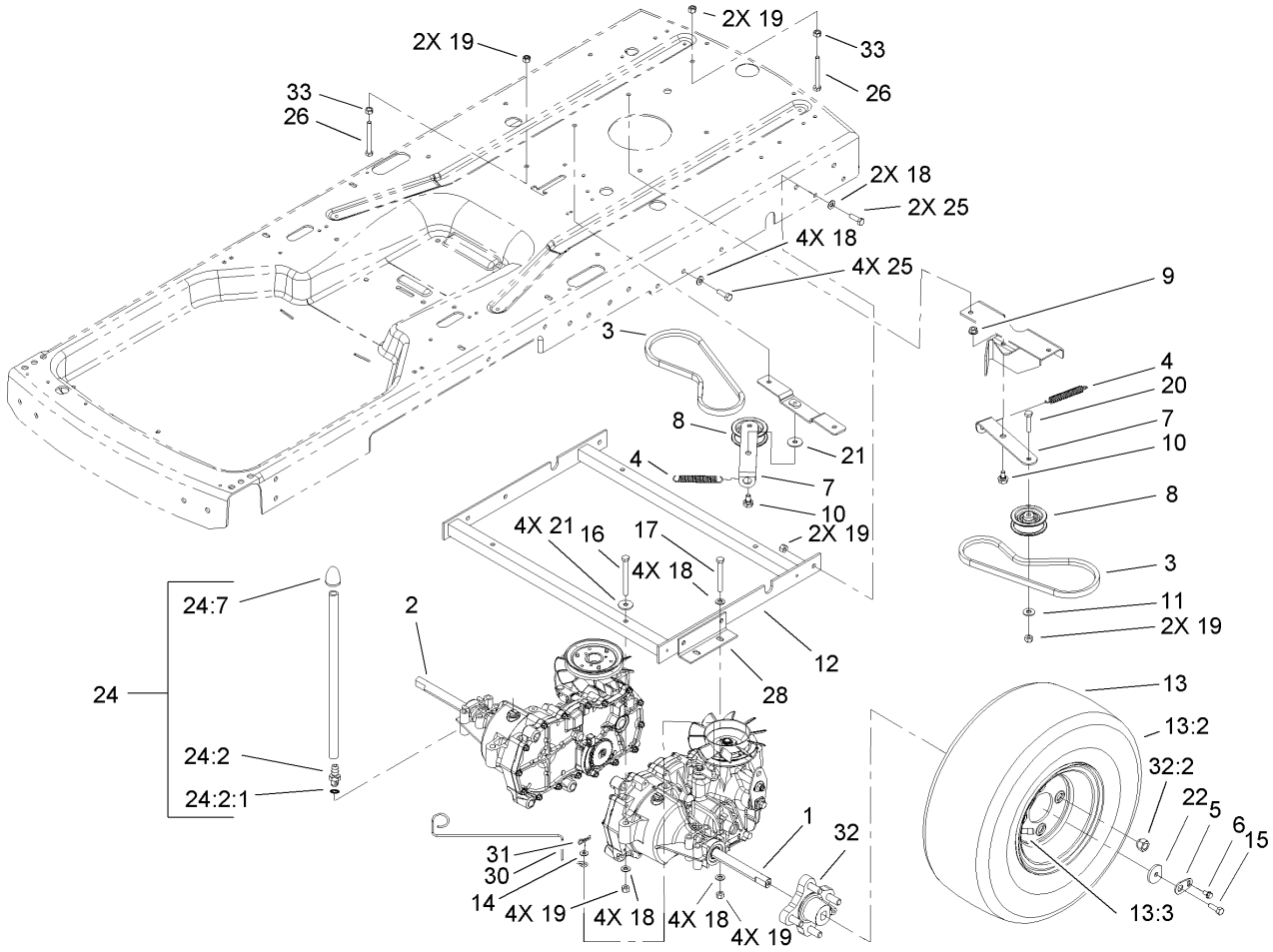
Ref	Part No.	Qty.	Description
23	614249	1	Strap-Tie
24	108-2301	4	Spacer
26	107-1904	1	Knob-Lever, HOC
27	108-2302	1	Latch-Seat
28	108-7175-03	1	Mount-Latch, Seat



Control Assembly

Ref	Part No.	Qty.	Description
1	105-7045	1	Rod-Brake, LH
2	105-7044	1	Rod-Brake, RH
3	105-3481	6	Washer-Thrust
5	107-4909	1	LH Activator Arm ASM
5:2	105-3455	4	Bushing
6	107-4910	1	RH Activator Arm ASM
6:2	105-3455	4	Bushing
7	105-3488	1	LH Pivot Shaft ASM
8	105-3487	1	RH Pivot Shaft ASM
9	3296-53	2	Nut-Lock, NI
10	3256-24	2	Washer-Flat
11	3296-59	2	Nut-Lock, NI
12	107-4874	2	Eccentric
13	321-9	2	Screw-HH
14	103-2913	2	Damper-Control, Motion
15	106-2181	2	Bellcrank
17	1-806003	2	Pin-Hair
18	105-3486	2	Stop-Adjustment
19	3217-6	4	Nut-Hex
21	3256-22	12	Washer-Flat
22	321-4	4	Screw-HH
23	3296-42	8	Nut-Lock, NI
24	106-2179	2	Link-Brake
25	1-543017	2	Balljoint-RH

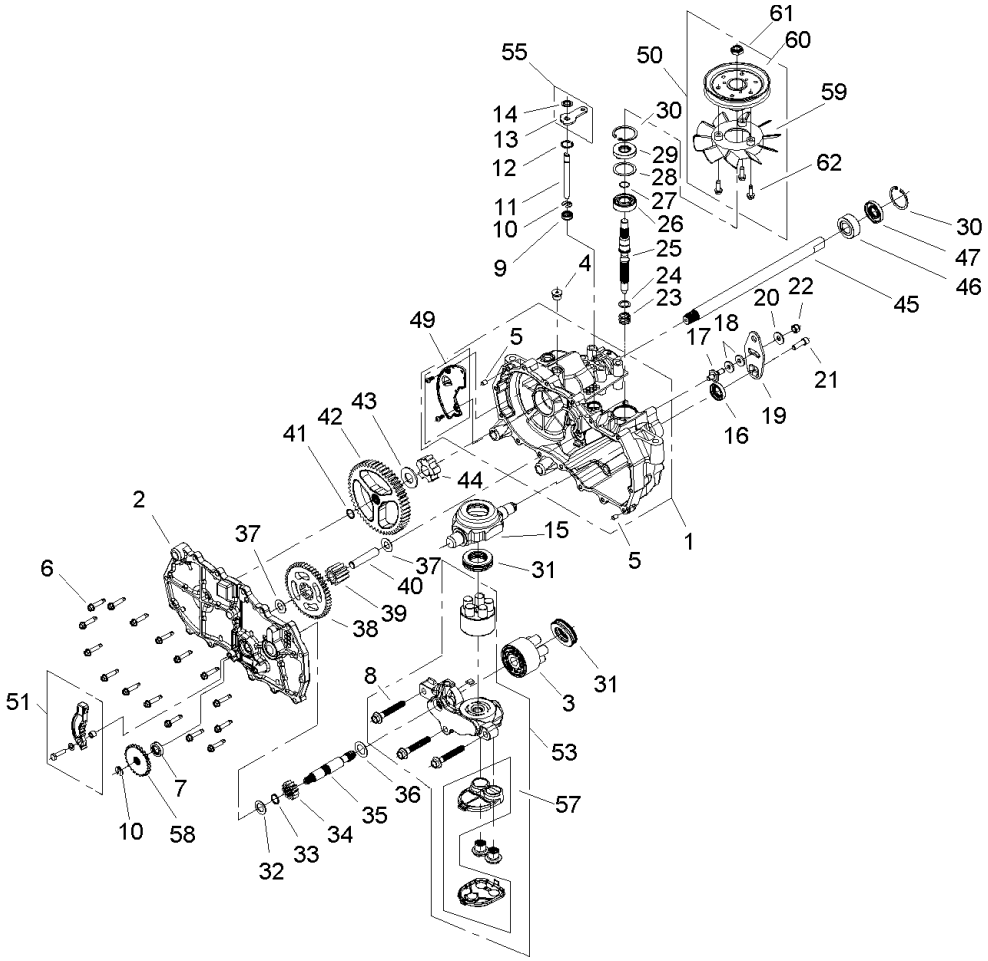
Ref	Part No.	Qty.	Description
26	105-7048	2	Rod-Hydro
27	3219-2	2	Nut-Hex
28	322-6	2	Screw-HH
29	32128-20	4	Nut-HF
30	108-6117	2	Handle ASM
30:2	108-6187	1	Grip
31	105-3469	2	Spring-Compression
32	106-2214	4	Bolt-Shoulder
33	105-3465	2	Spring-Compression
34	37-8771	4	Bolt-Shoulder
35	3296-2	2	Nut-Lock
36	3274-52	2	Screw-HSH
37	106-8742	2	Decal
38	32128-25	2	Nut-HF



Hydro and Belt Drive Assembly

Ref	Part No.	Qty.	Description
1	108-2394	1	Transaxle-Hydro, LH
2	108-2393	1	Transaxle-Hydro, RH
3	106-2174	2	V-Belt
4	95-3805	2	Spring
5	105-3438	2	Tab-Locking
6	3234-13	2	Screw-HHF
7	105-7047	2	Arm-Idler
8	106-2176	2	Pulley-Idler
9	32128-25	1	Nut-HF
10	37-8770	2	Bolt-Shoulder
11	3256-3	2	Washer-Flat
12	107-4878-03	1	Hydro Mount ASM
13	108-6127	2	Wheel And Tire ASM
13:2	105-3496	1	Tire
13:3	5108	1	Valve
❷13:99	107-2491	1	Tube-Tire
14	3256-1	2	Washer-Flat
15	3210-5	2	Screw-HH
16	322-20	4	Screw-HH
17	322-13	4	Screw-HH
18	3256-23	18	Washer-Flat
19	3296-29	18	Nut-Lock, NI
20	322-7	2	Screw-HH
21	5-4460	5	Washer-Pivot

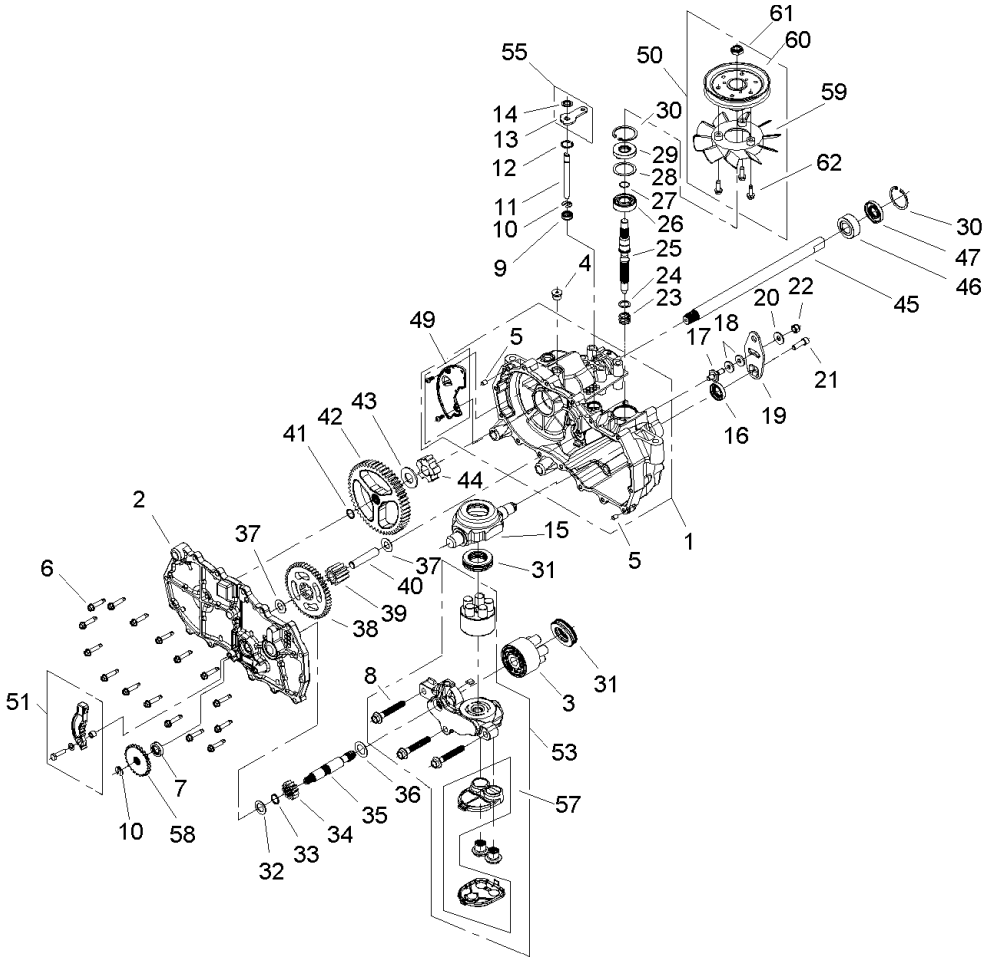
Ref	Part No.	Qty.	Description
22	106-7001	2	Washer-Wheel
24	106-7002	2	Vent Hose ASM
24:2	93-3818	1	Fitting ASM
24:2:1	93-3816	1	O-Ring
24:7	107-1701	1	Cap Vent ASM
25	322-5	6	Screw-HH
26	322-13	2	Screw-HH
28	105-7039-03	2	Support-Hydro
30	107-4875	2	Rod-Bypass
31	1-806003	2	Pin-Hair
32	108-9533	1	Hub ASM
32:2	242-50	8	Nut-Lug
33	3217-6	2	Nut-Hex



RH Hydro Transaxle Assembly No. 108-2393

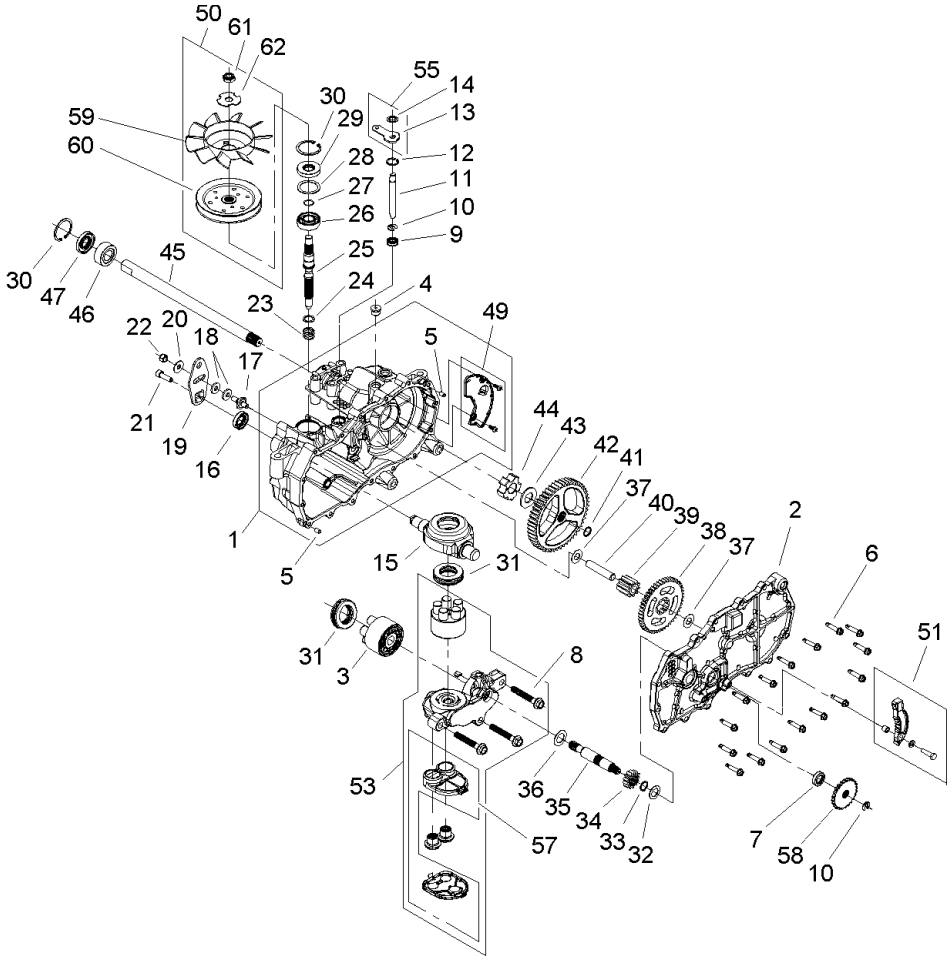
Ref	Part No.	Qty.	Description
1	106-8674	1	LH Main Housing ASM
2	106-8675	1	LH Side ASM
3	103-2666	1	Cylinder Block Kit
4	104-2189	1	Plug-Thread, Straight
5	104-2170	2	Pin
6	104-5305	16	Screw-HHF
7	104-5347	1	Seal-Oil
8	94-6926	3	Bolt
9	106-8676	1	Seal-Lip
10	106-8677	2	Ring-Retaining, EXT
11	106-8678	1	Rod-Bypass
12	106-8679	1	Ring-Retaining, Int
13	107-2490	1	Arm-Bypass
14	106-8681	1	Ring-Retaining, EXT
15	104-5304	1	Swashplate-Trunnion
16	104-5313	1	Seal-Lip
17	104-2116	1	Stud
18	105-1873	2	Puck-Friction
19	106-8747	1	Arm-Control
20	5-4460	1	Washer-Pivot
21	107-2488	1	Screw
22	105-1872	1	Nut
23	94-1936	1	Spring-Block
24	94-1937	1	Washer-Thrust, Block

Ref	Part No.	Qty.	Description
25	104-5306	1	Shaft-Input
26	104-5311	1	Bearing-Ball
27	104-5307	1	Ring-Retaining
28	104-5308	1	Spacer
29	104-5310	1	Seal-Lip
30	104-5309	2	Ring-Retaining
31	94-6922	2	Bearing-Thrust
32	104-5339	1	Washer-Flat
33	104-5340	1	Ring-Retaining
34	104-5316	1	Gear-Pinnion, 13T
35	106-8683	1	Shaft-Motor
36	104-5360	1	Washer-Shaft, Motor
37	94-1933	2	Washer
38	104-5317	1	Gear
39	104-5318	1	Gear-Jackshaft, 10T
40	104-5329	1	Pin-Jackshaft
41	104-5328	1	Ring-Retaining, Spiral
42	106-8684	1	Gear-Bull, 52T
43	94-1943	1	Washer
44	104-5320	1	Bearing-Sleeve
45	106-8685	1	Axle
46	104-5321	1	Bearing-Sleeve, Outboard
47	104-5322	1	Seal-Lip
❶48	106-8686	1	Seal Kit



RH Hydro Transaxle Assembly No. 108-2393 (continued)

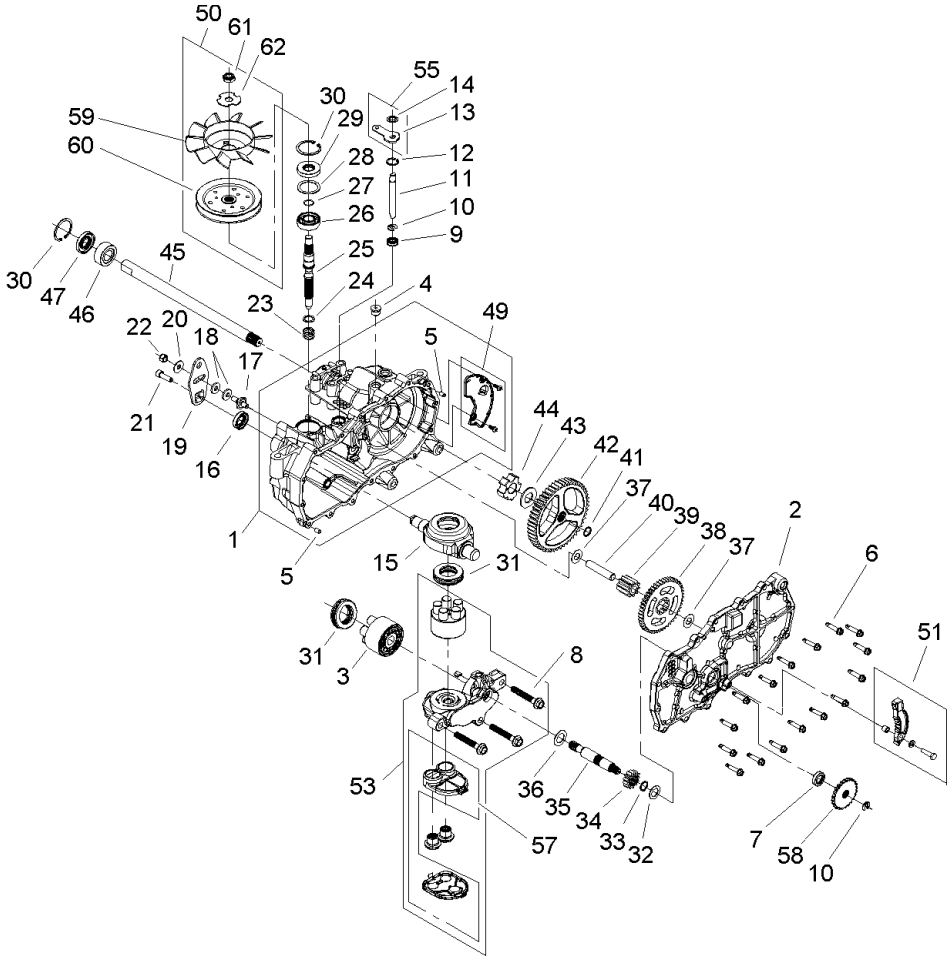
Ref	Part No.	Qty.	Description
49	106-8687	1	LH Expansion Plate Kit
50	105-1928	1	Fan Pulley Kit
51	106-8688	1	Brake Arm Kit
53	108-6189	1	LH 7-Piston Center Section Kit
❶54	104-2147	1	Sealant
55	107-2489	1	Bypass Arm Kit
57	106-8693	1	Filter Kit
58	106-8694	1	Disc-Brake, Cog
59	105-1927	1	Fan
60	105-1896	1	Pulley
61	105-1875	1	Nut-Lock
62	104-2120	3	Screw



LH Hydro Transaxle Assembly No. 108-2394

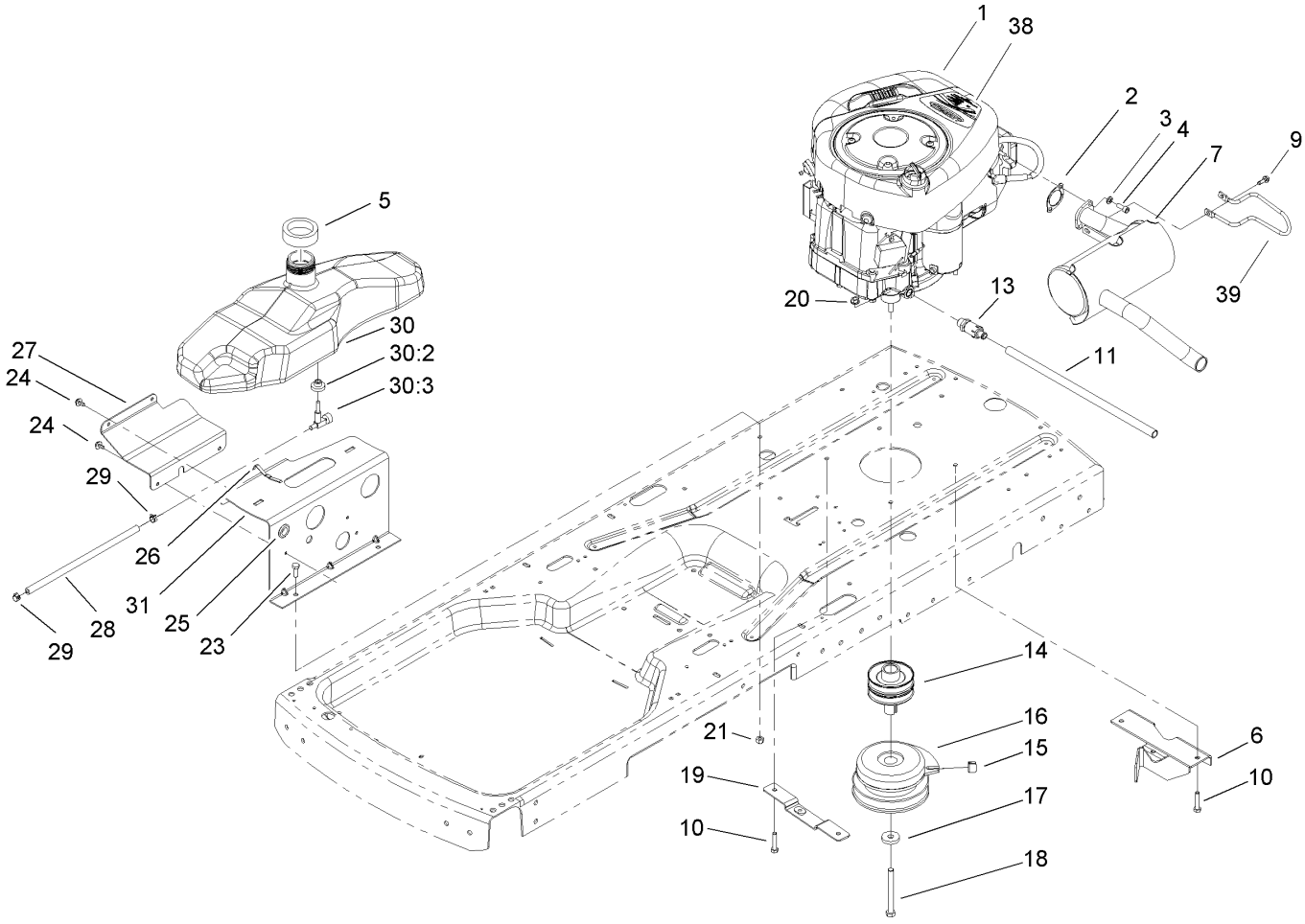
Ref	Part No.	Qty.	Description
1	106-8695	1	RH Main Housing ASM
2	106-8696	1	RH Side ASM
3	103-2666	1	Cylinder Block Kit
4	104-2189	1	Plug-Thread, Straight
5	104-2170	2	Pin
6	104-5305	16	Screw-HHF
7	104-5347	1	Seal-Oil
8	94-6926	3	Bolt
9	106-8676	1	Seal-Lip
10	106-8677	2	Ring-Retaining, EXT
11	106-8678	1	Rod-Bypass
12	106-8679	1	Ring-Retaining, Int
13	107-2490	1	Arm-Bypass
14	106-8681	1	Ring-Retaining, EXT
15	104-5304	1	Swashplate-Trunnion
16	104-5313	1	Seal-Lip
17	104-2116	1	Stud
18	105-1873	2	Puck-Friction
19	106-8747	1	Arm-Control
20	5-4460	1	Washer-Pivot
21	107-2488	1	Screw
22	105-1872	1	Nut
23	94-1936	1	Spring-Block
24	94-1937	1	Washer-Thrust, Block

Ref	Part No.	Qty.	Description
25	104-5306	1	Shaft-Input
26	104-5311	1	Bearing-Ball
27	104-5307	1	Ring-Retaining
28	104-5308	1	Spacer
29	104-5310	1	Seal-Lip
30	104-5309	2	Ring-Retaining
31	94-6922	2	Bearing-Thrust
32	104-5339	1	Washer-Flat
33	104-5340	1	Ring-Retaining
34	104-5316	1	Gear-Pinnion, 13T
35	106-8683	1	Shaft-Motor
36	104-5360	1	Washer-Shaft, Motor
37	94-1933	2	Washer
38	104-5317	1	Gear
39	104-5318	1	Gear-Jackshaft, 10T
40	104-5329	1	Pin-Jackshaft
41	104-5328	1	Ring-Retaining, Spiral
42	106-8684	1	Gear-Bull, 52T
43	94-1943	1	Washer
44	104-5320	1	Bearing-Sleeve
45	106-8685	1	Axle
46	104-5321	1	Bearing-Sleeve, Outboard
47	104-5322	1	Seal-Lip
❶48	106-8686	1	Seal Kit



LH Hydro Transaxle Assembly No. 108-2394 (continued)

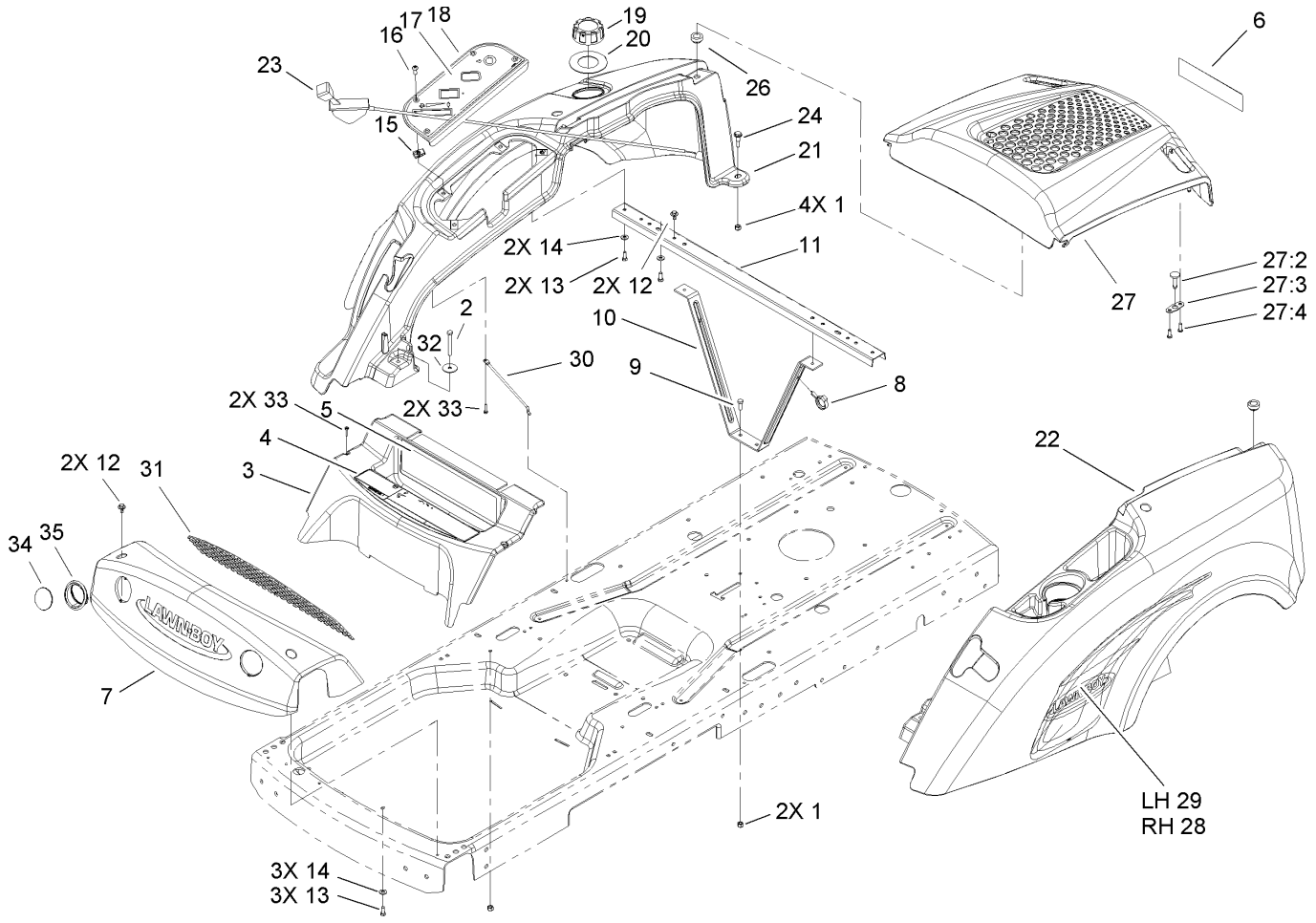
Ref	Part No.	Qty.	Description
49	106-8697	1	RH Expansion Plate Kit
50	106-8698	1	Fan Pulley Kit
51	106-8688	1	Brake Arm Kit
53	108-6190	1	RH 7-Piston Center Section Kit
❶54	104-2147	1	Sealant
55	107-2489	1	Bypass Arm Kit
57	106-8693	1	Filter Kit
58	106-8694	1	Disc-Brake, Cog
59	110-8566	1	Fan-6 Inch, 10 Blade
60	104-1754	1	Pulley
61	105-1875	1	Nut-Lock
62	107-9122	3	Washer-Slotted



Engine Assembly

Ref	Part No.	Qty.	Description
❷❼1		1	Engine-Briggs And Stratton, 280H07-0166-E1
2	88-4410	1	Gasket-Muffler
3	3253-4	2	Washer-Lock
4	3274-10	2	Screw-HSH
5	55-9310	1	Seal-Foam
6	107-4873	1	Bracket-Pivot
7	108-2352	1	Muffler
9	32144-44	2	Screw-HWH
10	322-7	4	Screw-HH
11	106-7022	1	Tube-Drain, Oil
13	92-6877	1	Valve-Drain, Oil
14	105-3472	1	Pulley-Engine
15	98-5023	1	Bumper
16	105-3462	1	Clutch-Electric
17	112843	1	Washer
18	3212-16	1	Screw-HH
19	106-2156	1	Plate-Mount, Idler
20	32128-25	4	Nut-HF
21	3296-29	2	Nut-Lock, NI
23	322-4	2	Screw-HH
24	46-8560	4	Screw-HHF
25	237-124	1	Grommet
26	609830	2	Spring

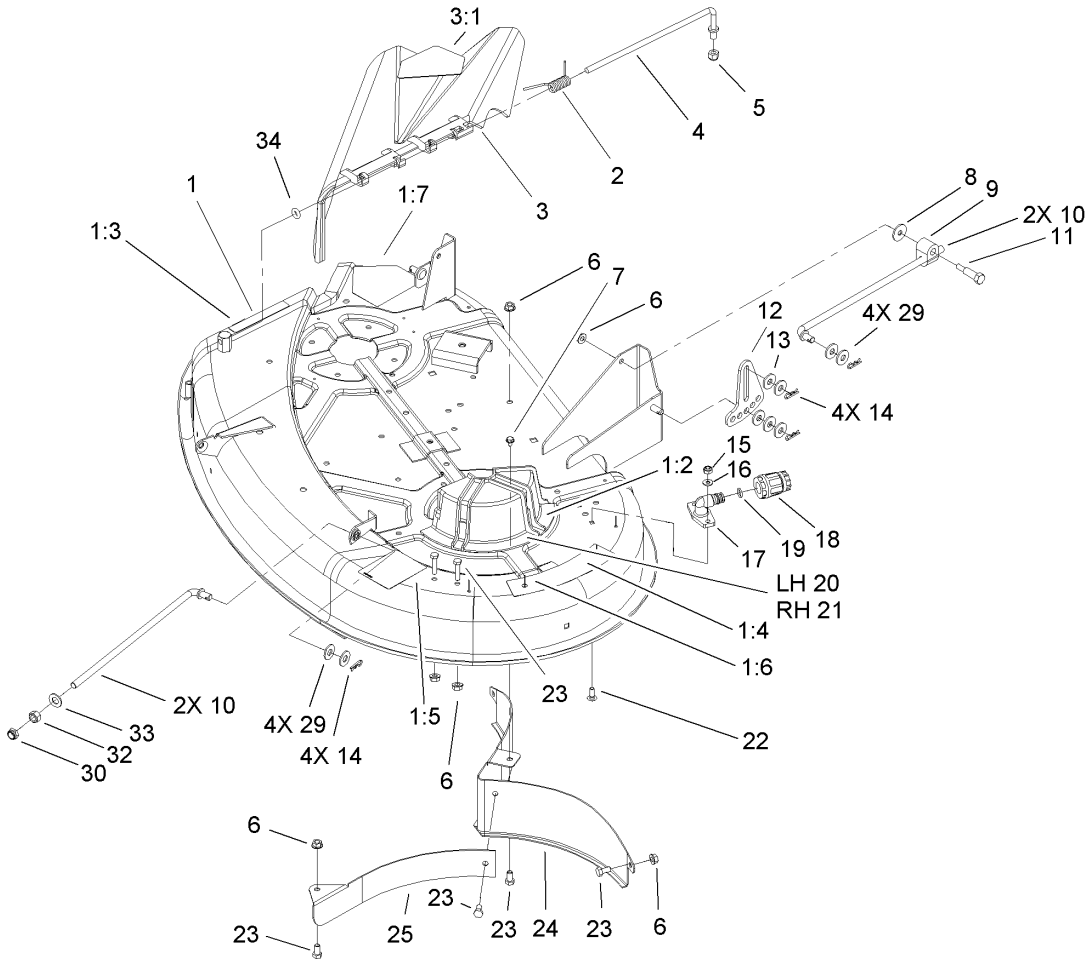
Ref	Part No.	Qty.	Description
27	108-2315-03	1	Plate-Support
28	106-8720	1	Hose-Fuel
29	2412-98	2	Clamp
30	107-9172	1	Fuel Tank ASM
30:2	46-6560	1	Bushing
30:3	104048	1	Valve-Fuel
31	108-2314-03	1	Plate-Tank
38	108-8528	1	Decal-Engine
39	108-8510	1	Guard-Muffler



Styling Assembly

Ref	Part No.	Qty.	Description
1	3296-42	6	Nut-Lock, NI
2	321-18	2	Screw-HH
3	108-2316	1	Panel-Kick
4	108-6140	1	Decal-Danger
5	108-6145	1	Decal
6	108-6141	1	Decal
7	108-2328	1	Footrest
8	105-1853	2	Clamp-Hose
9	321-4	2	Screw-HH
10	107-9173-03	1	Brace-Support
11	108-2313-03	1	Channel-Cross
12	46-8560	4	Screw-HHF
13	46-8090	5	Screw-Plastite
14	3256-22	5	Washer-Flat
15	107069	4	Clip
16	3258-166	4	Screw-PRH
17	108-2364	1	Decal
18	107-9174-03	1	Panel-Control
19	93-7198	1	Gas Cap ASM
20	108-6150	1	Washer-Seal, Rubber
21	107-9168	1	Cover-Side, RH
22	107-9169	1	Cover-Side, LH
23	104-3626	1	Cable-Throttle
24	108-6182	2	Screw-Shoulder

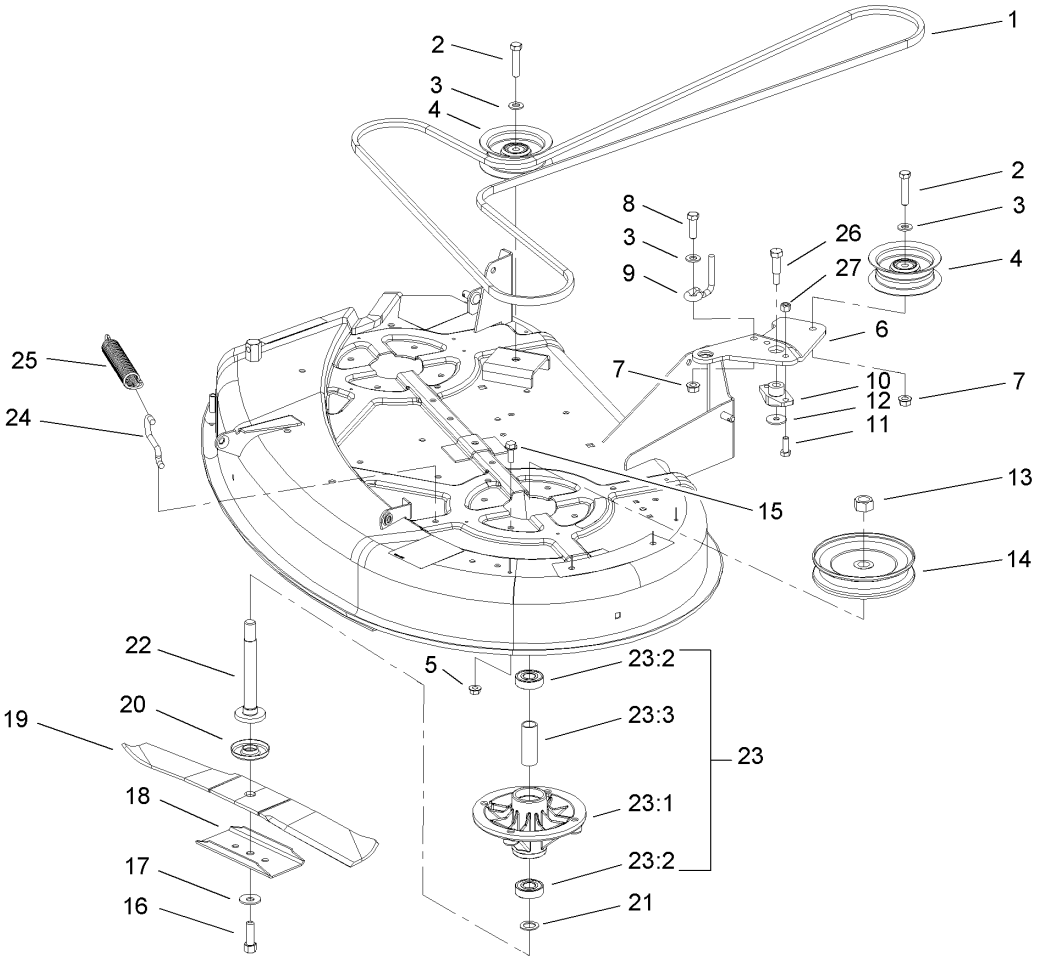
Ref	Part No.	Qty.	Description
26	108-2305	2	Grommet
27	108-2334	1	Hood Cover ASM
27:2	107-9198	2	Pin-Hood
27:3	107-9199	2	Plate
27:4	94-6961	4	Screw
28	108-6142	1	Decal
29	108-6143	1	Decal
30	108-2391	2	Rod-Support
31	108-6162	1	Footmat-Footrest
32	3256-58	2	Washer-Flat
33	94-4496	4	Screw-PPH
34	108-7121	2	Disk-Reflector
35	107-9178	2	Bezel-Rubber



Deck Assembly

Ref	Part No.	Qty.	Description
1	107-9138	1	Deck ASM
1:2	68-3660	1	Decal-Danger, Shield
1:3	68-3650	1	Decal-Danger, Deflector
1:4	79-3140	1	Decal-Danger
1:5	105-7015	1	Decal-Routing, Belt
1:6	3290-282	4	Rivet-Pop
1:7	93-1122	1	Decal-Danger
2	57-6950	1	Spring
3	93-0317	1	Deflector ASM
3:1	93-1122	1	Decal-Danger
4	95-1661	1	Rod-Pivot
5	3296-39	1	Nut-Lock, NI
6	32128-25	9	Nut-HF
7	32104-76	5	Screw
8	5-4460	2	Washer-Pivot
9	88-4230	2	Trunnion-HOC
10	105-3437	4	Rod-Hanger
11	7-0030	2	Bolt-Shoulder
12	88-5570-03	2	Link-Adjusting, HOC
13	80-6990	10	Washer-Hardened
14	9335054	8	Pin-Hair
15	3296-16	2	Nut-Lock, NI
16	3256-1	2	Washer-Flat
17	95-2747	1	Fitting-Washout

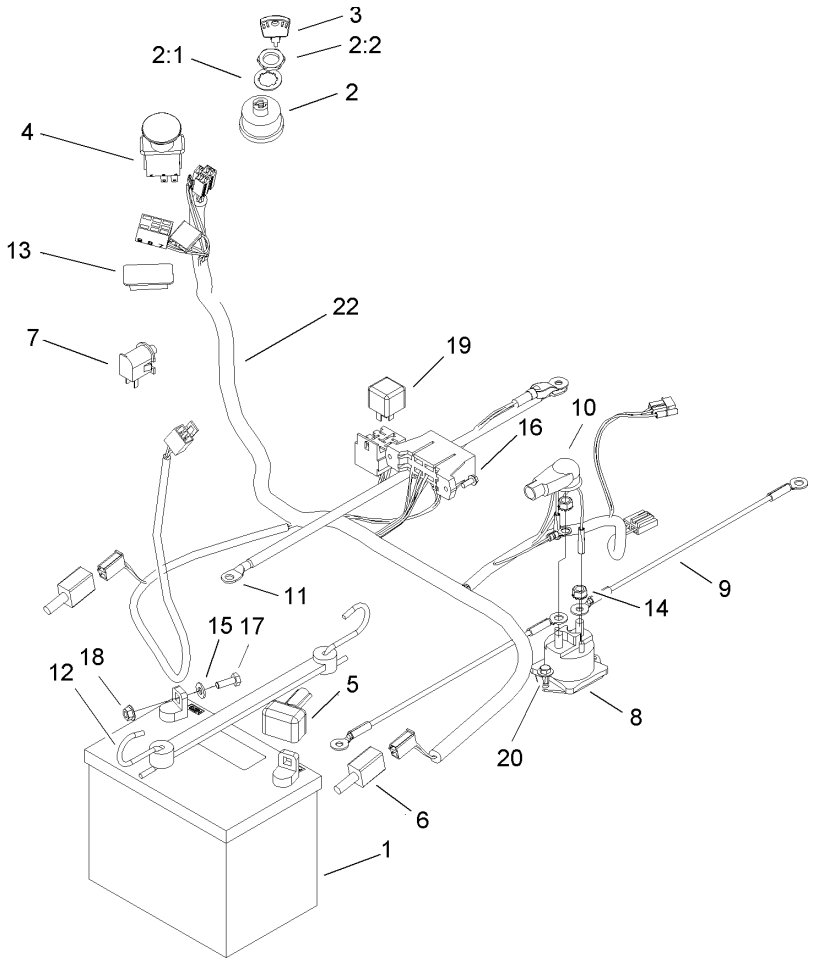
Ref	Part No.	Qty.	Description
18	95-3270	1	Connector-Hose
19	46-6290	1	O-Ring
20	88-4030	1	Guide-Belt, LH
21	88-4020	1	Guide-Belt, RH
22	3229-1	2	Screw-CARR
23	322-2	7	Screw-HH
24	106-7030-03	1	Baffle-Rear
25	106-7032-03	1	Extension-Baffle
29	3256-4	8	Washer-Flat
30	3296-38	2	Nut-Lock, NI
32	3219-4	2	Nut-Hex
33	3256-25	2	Washer-Flat
34	106-8745	1	O-Ring



Deck Spindle and Drive Belt Assembly

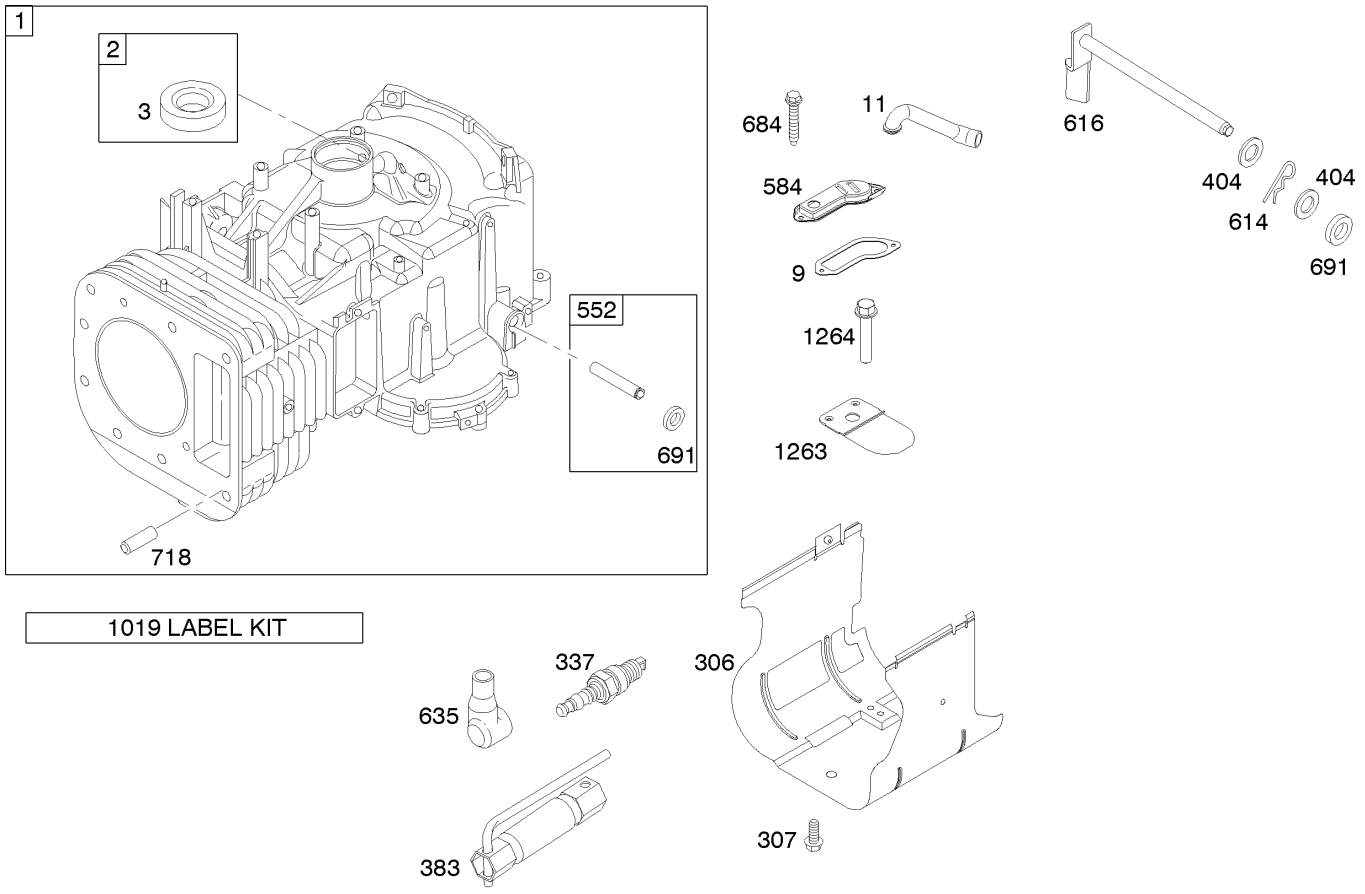
Ref	Part No.	Qty.	Description
1	106-2173	1	Belt-V
2	323-9	2	Screw-HH
3	3256-24	3	Washer-Flat
4	106-2175	2	Pulley-Idler, Flat
5	32128-25	1	Nut-HF
6	107-2467-03	1	Arm-Idler
7	32128-21	2	Nut-HF
8	323-7	1	Screw-HH
9	107-7307	1	Guide-Idler, Belt
10	88-4980	1	Bushing-Arm, Idler
11	322-4	2	Screw-HH
12	5-4460	1	Washer-Pivot
13	3219-6	2	Nut-Hex
14	88-5330	2	Pully-Deck
15	32144-41	8	Screw-Taptite
16	26-0671	2	Screw-Blade
17	3290-465	2	Washer-Belleville
18	80-0510-03	2	Stiffener-Blade
19	88-5140-03	2	Blade
20	80-4360	2	Shield-Bearing
21	80-4380	2	Spacer
22	80-4341	2	Shaft-Spindle
❷23		2	Spindle ASM
23:1	88-4510	1	Housing-Spindle

Ref	Part No.	Qty.	Description
23:2	100-1048	2	Bearing-Ball
23:3	62-3661	1	Spacer-Bearing
24	88-5970	1	Hook-Return, Spring
25	106-2177	1	Spring-Extension
26	7-0030	1	Bolt-Shoulder
27	3296-29	2	Nut-Lock, NI



Electrical Assembly

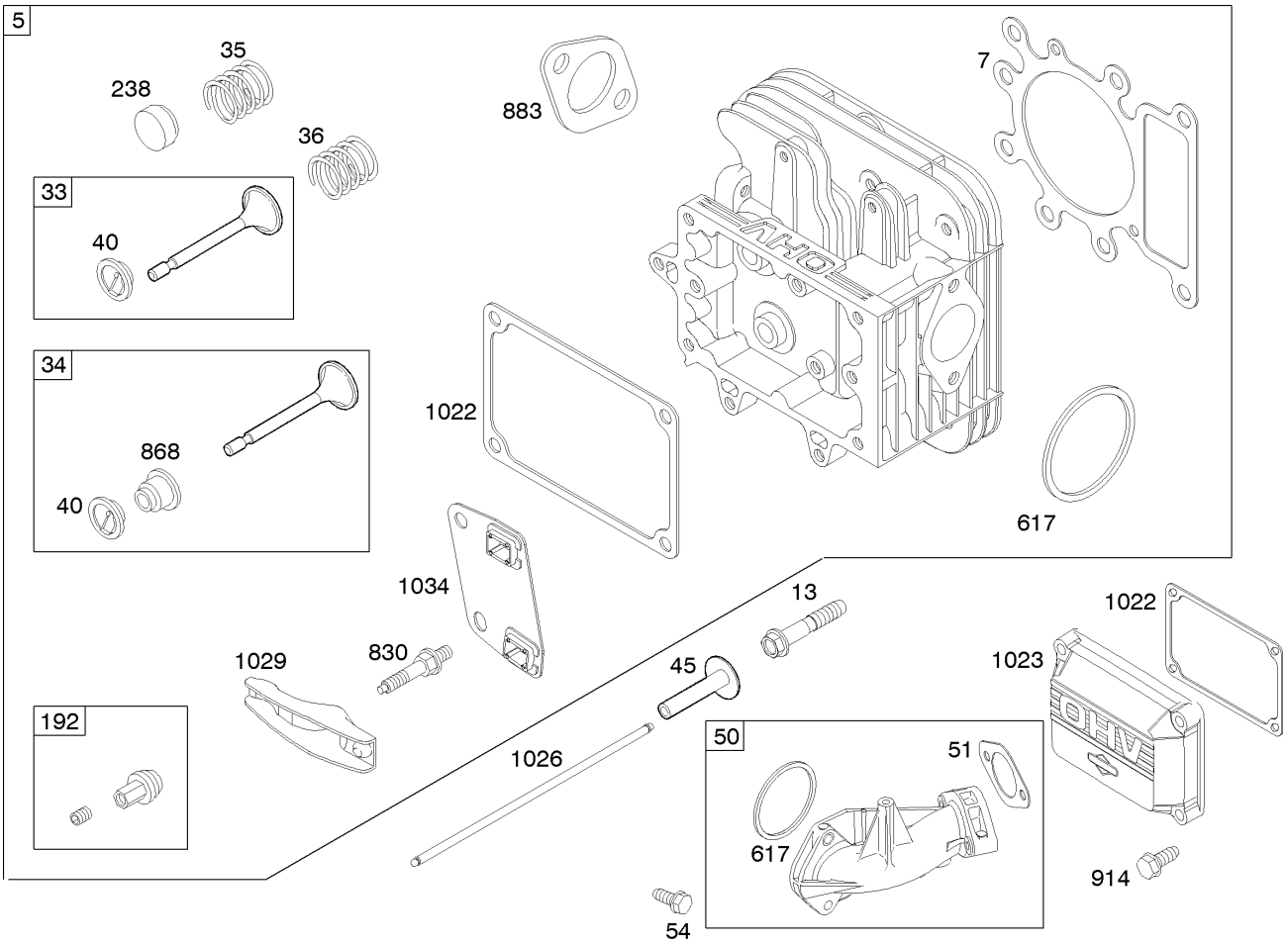
Ref	Part No.	Qty.	Description
1	104-2491	1	Battery
2	104-2541	1	Switch ASM
2:1	3254-5	1	Washer-Tooth
2:2	218-461	1	Nut-HH
3	700918	1	Key
4	95-7489	1	Switch-PTO
5	28-8080	1	Boot-Terminal
6	106-2216	2	Switch
7	82-2190	1	Switch-Bail
8	106-8245	1	Solenoid
9	56-7670	2	Wire ASM
10	93-3190	1	Boot-Insulator, Terminal
11	95-7654	1	Cable
12	104-2466	1	Holddown-Battery
13	99-7420	1	Plug-Hole
14	32149-2	2	Nut-Keps
15	3256-22	2	Washer-Flat
16	32144-1	3	Screw-Taptite
17	321-4	2	Screw-HH
18	32128-33	3	Nut-HF
19	98-7249	1	Relay
20	46-8560	2	Screw-HHF
22	108-8587	1	Harness-Wiring



Assemblies include all parts shown in frames.

Cylinder Assembly
Briggs and Stratton 280h07-0166-e1

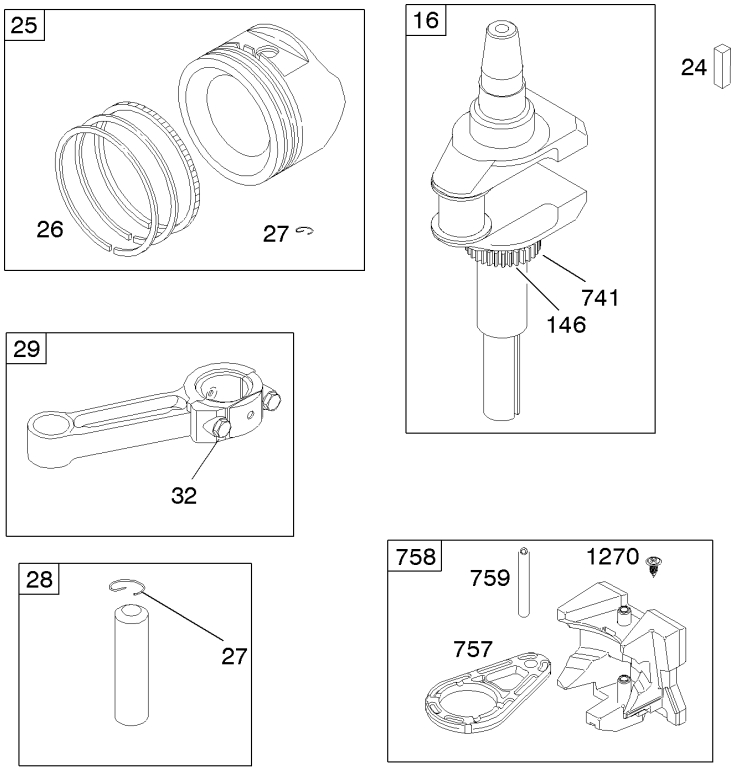
Ref	Part No.	Qty.	Description
❼1	697132	1	Cylinder ASM
❼2	399265	1	Bushing And Seal Kit
❸❼3	391086	1	Seal-Oil
❸❼9	697109	1	Gasket-Breather
❼11	697113	1	Tube-Breather
❶❼48	697761	1	Short Block
❼306	697107	1	Shield-Cylinder
❼307	691003	1	Screw
❼337	691043	1	Spark Plug
❼383	89838	1	Wrench-Plug, Spark
❼404	691691	1	Washer
❼552	697144	1	Bushing-Crank, Governor
❼584	697112	1	Cover-Passage, Breather
❼614	691620	1	Pin-Cotter
❼616	692012	1	Crank-Governor
❼635	691909	1	Boot-Spark Plug
❼684	697157	1	Screw
❸❼691	692407	1	Seal-Shaft, Governor
❼718	690959	1	Pin-Locating
❼1019	697143	1	Label Kit
❼1263	697124	1	Reed-Breather
❼1264	697104	1	Screw



Cylinder Head Assembly
Briggs and Stratton 280h07-0166-e1

Ref	Part No.	Qty.	Description
❼5	698148	1	Head–Cylinder
❸❼7	273280	1	Gasket-Head, Cylinder
❼13	690360	1	Screw
❼33	695760	1	Valve-Exhaust
❼34	695761	1	Valve-Intake
❼35	691279	1	Spring-Valve
❼36	691279	1	Spring-Valve
❼40	691752	1	Retainer-Valve
❼45	690564	1	Tappet-Valve
❼50	690193	1	Manifold-Intake
❸❹51 ❺❻	692137	1	Gasket-Intake
❼54	691148	1	Screw
❼192	691986	1	Adjustor-Arm, Rocker
❼238	691843	1	Cap-Valve
❸❺617 ❼	692138	1	Seal-O Ring
❼830	691095	1	Stud-Arm, Rocker
❸❹868 ❼	690968	1	Seal-Valve
❼883	692236	1	Gasket-Exhaust
❼914	690960	1	Screw
❸❼1022	272475	1	Gasket-Cover, Rocker
❼1023	692492	1	Cover-Rocker

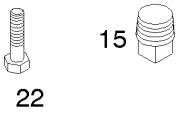
Ref	Part No.	Qty.	Description
❼1026	692003	1	Rod–Push
❶❼	692011	1	Rod–Push
❼1029	691751	1	Arm-Rocker
❼1034	690822	1	Guide-Rod, Push

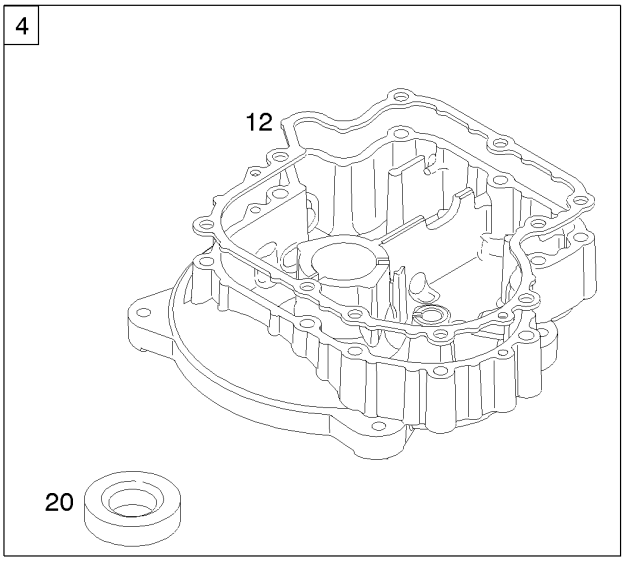


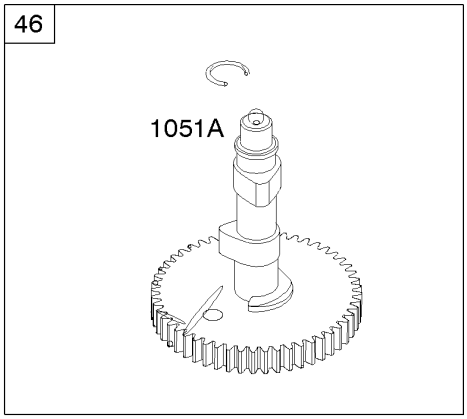
Assemblies include all parts shown in frames.

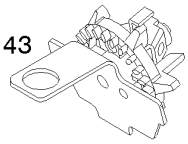
Crankshaft Assembly
Briggs and Stratton 280h07-0166-e1

Ref	Part No.	Qty.	Description
❼16	697127	1	Crankshaft
❼24	222698	1	Key
❼25	698371	1	Piston ASM (Standard)
❼	698393	1	Piston ASM (.010 Oversize)
❼	698394	1	Piston ASM (.020 Oversize)
❼	698395	1	Piston ASM (.030 Oversize)
❼26	697375	1	Ring Set (Standard)
❼	698396	1	Ring Set (.010 Oversize)
❼	698397	1	Ring Set (.020 Oversize)
❼	698398	1	Ring Set (.030 Oversize)
❼27	698469	1	Lock-Pin, Piston
❼28	697099	1	Pin-Piston (STD)
❼29	697126	1	Rod–Connecting (Standard)
❼	697263	1	Rod-Connecting (.020In Undersize)
❼32	692852	1	Screw
❼146	691639	1	Key-Timing
❼741	697128	1	Gear-Timing
❼757	697607	1	Link-Counterweight
❼758	697134	1	Counterweight
❼759	697392	1	Pin-Counterweight
❼1270	697156	1	Plug-Counterweight, Avs





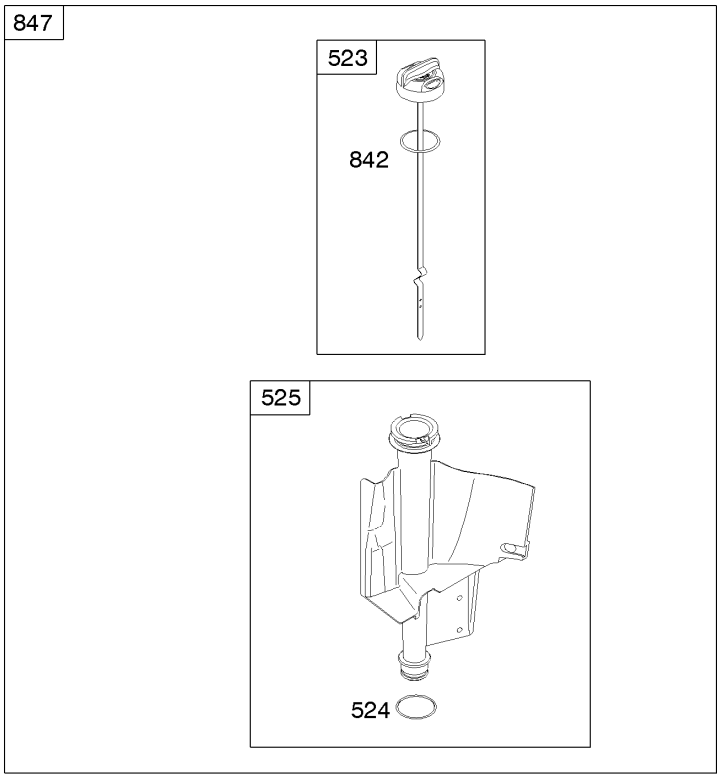




Assemblies include all parts shown in frames.

Crankcase Assembly
Briggs and Stratton 280h07-0166-e1

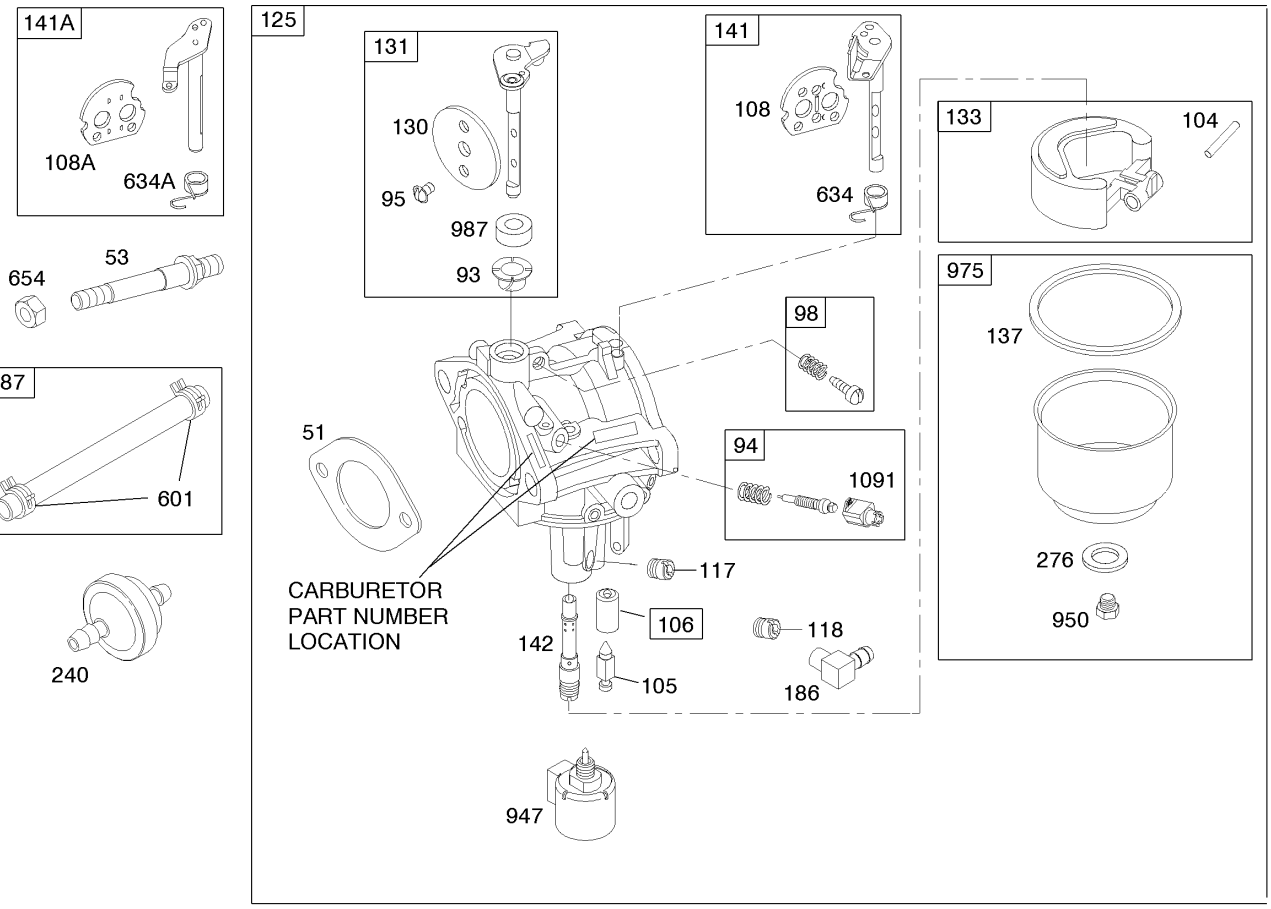
Ref	Part No.	Qty.	Description
❼4	697106	1	Sump-Engine
❸❼12	697110	1	Gasket-Crankcase
❼15	690946	1	Plug-Drain, Oil
❸❼20	690947	1	Seal-Oil
❼22	692125	1	Screw
❼43	691968	1	Slinger-Governor,Oil
❼46	698577	1	Camshaft
❼1051A	698802	1	Ring-Retaining



Assemblies include all parts shown in frames.

Oil Filter, Tube and Pump Assembly
Briggs and Stratton 280h07-0166-e1

Ref	Part No.	Qty.	Description
❼523	697086	1	Dipstick
❸❼524	691032	1	Seal-O Ring
❼525	697184	1	Tube-Dipstick
❸❼842	691031	1	Seal-O Ring
❼847	697611	1	Dipstick And Tube ASM

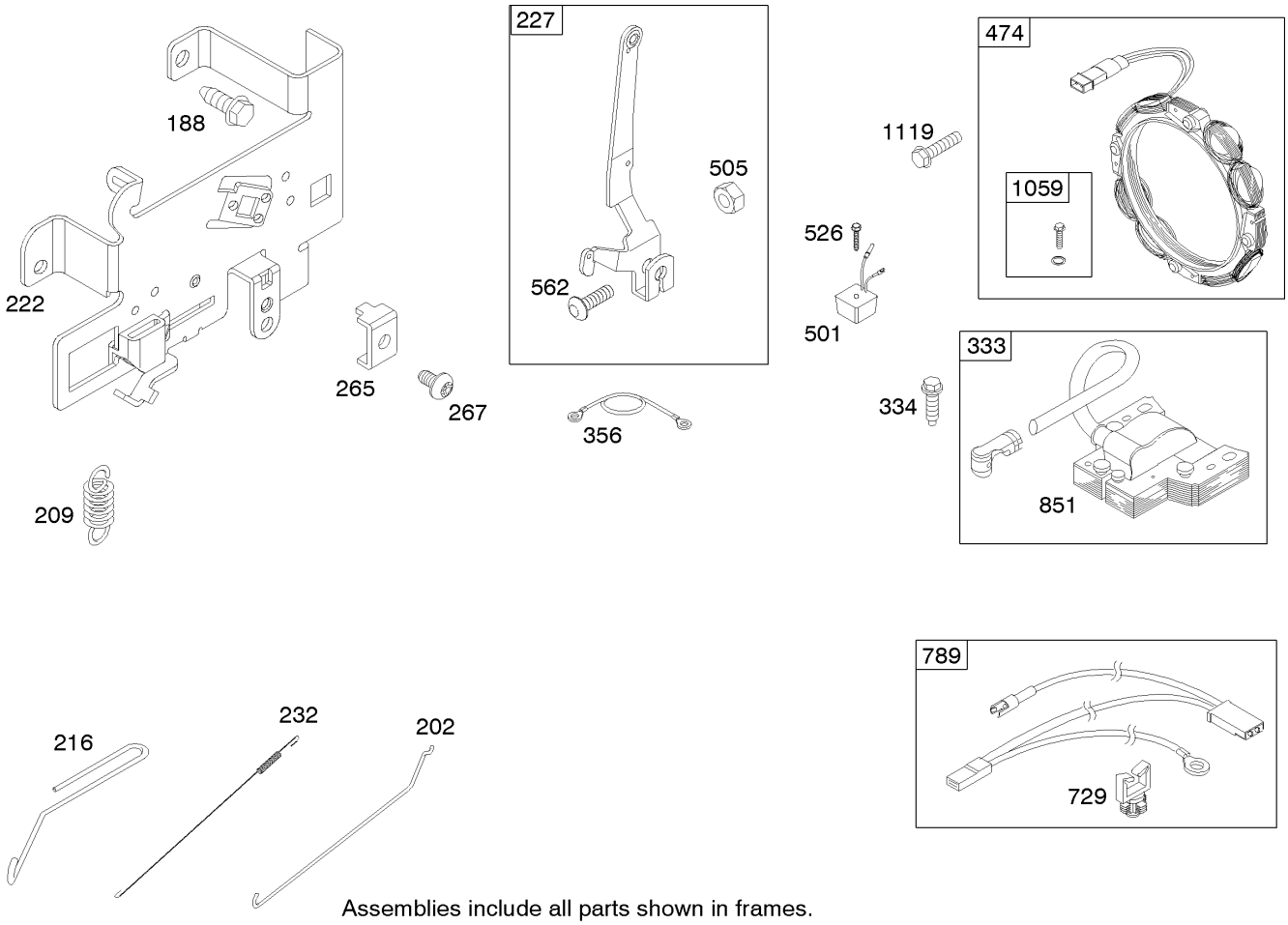


Assemblies include all parts shown in frames.

Carburetor Assembly
Briggs and Stratton 280h07-0166-e1

Ref	Part No.	Qty.	Description
❸❹51 ❺❻	692137	1	Gasket-Intake
❼53	690227	1	Stud
❺❼93	690602	1	Bushing-Shaft, Throttle
❼94	498030	1	Idle Mixture Kit
❺❼95	691636	1	Screw
❼98	495800	1	Idle Speed Kit
❺❼104	690525	1	Pin-Hinge, Carburetor Float
❺❼105	231855	1	Valve-Needle, Float
❺❼106	690577	1	Seat-Inlet
❼108	690464	1	Valve–Choke
❼108A	692344	1	Valve-Choke
❺❼117	694352	1	Jet-Main (STD)
❼118	697228	1	Jet-Main (High Altitude)
❼125	697190	1	Carburetor
❼130	691750	1	Valve-Throttle
❼131	494379	1	Throttle Shaft Kit
❼133	494381	1	Float-Carburetor
❺❻137 ❼	281165	1	Gasket-Bowl, Float
❼141	495097	1	Choke Shaft Kit
❼141A	495931	1	Choke Shaft Kit
❺❼142	697140	1	Nozzle-Carburetor
❼186	692317	1	Connector-Hose

Ref	Part No.	Qty.	Description
❼187	697098	1	Line-Fuel
❼240	394358	1	Filter-Fuel
❺❻276 ❼	692255	1	Washer-Sealing
❼601	95162	1	Clamp-Hose
❺❼634	690801	1	Spring / Seal ASM
❺❼634A	690802	1	Spring And Seal ASM
❼654	690958	1	Nut
❼947	694393	1	Solenoid-Fuel
❼950	691657	1	Screw
❼975	495933	1	Bowl-Float
❺❼987	691326	1	Seal-Shaft, Throttle
❼1091	691333	1	Cap-Limiter

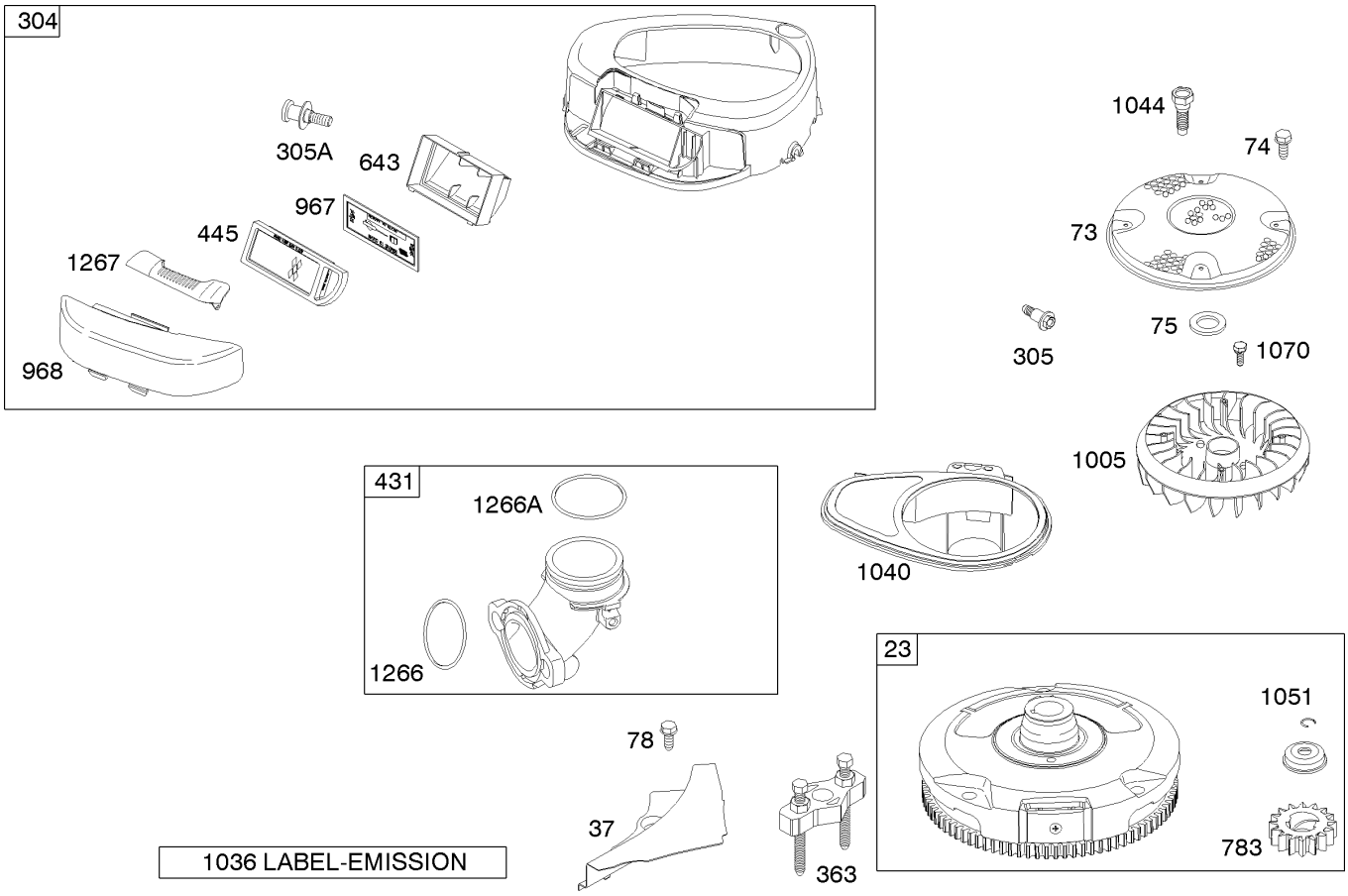


Assemblies include all parts shown in frames.

Governor Assembly
Briggs and Stratton 280h07-0166-e1

Ref	Part No.	Qty.	Description
❼188	691693	1	Screw
❼202	691841	1	Link-Governor, Mechanical
❼209	692208	1	Spring-Governor
❼216	691840	1	Link-Choke
❼222	694042	1	Bracket-Control
❼227	691374	1	Lever-Control, Governor
❼232	691842	1	Spring-Link, Governor
❼265	691024	1	Clamp-Casing
❼267	695134	1	Screw
❼333	492341	1	Armature-Magneto
❼334	691061	1	Screw
❼356	697089	1	Stop-Wire
❼474	696457	1	Alternator
❼	696458	1	Alternator
❼501	691188	1	Regulator
❼501	691185	1	Regulator
❼505	691251	1	Nut
❼526	697088	1	Screw
❼	697348	1	Screw
❼562	691119	1	Screw
❼729	691335	1	Clip–Wire
❼789	692037	1	Wiring-Harness
❼851	692424	1	Terminal–Spark Plug
❼1059	698516	1	Screw And Washer Kit

Ref	Part No.	Qty.	Description
❼1119	691183	1	Screw

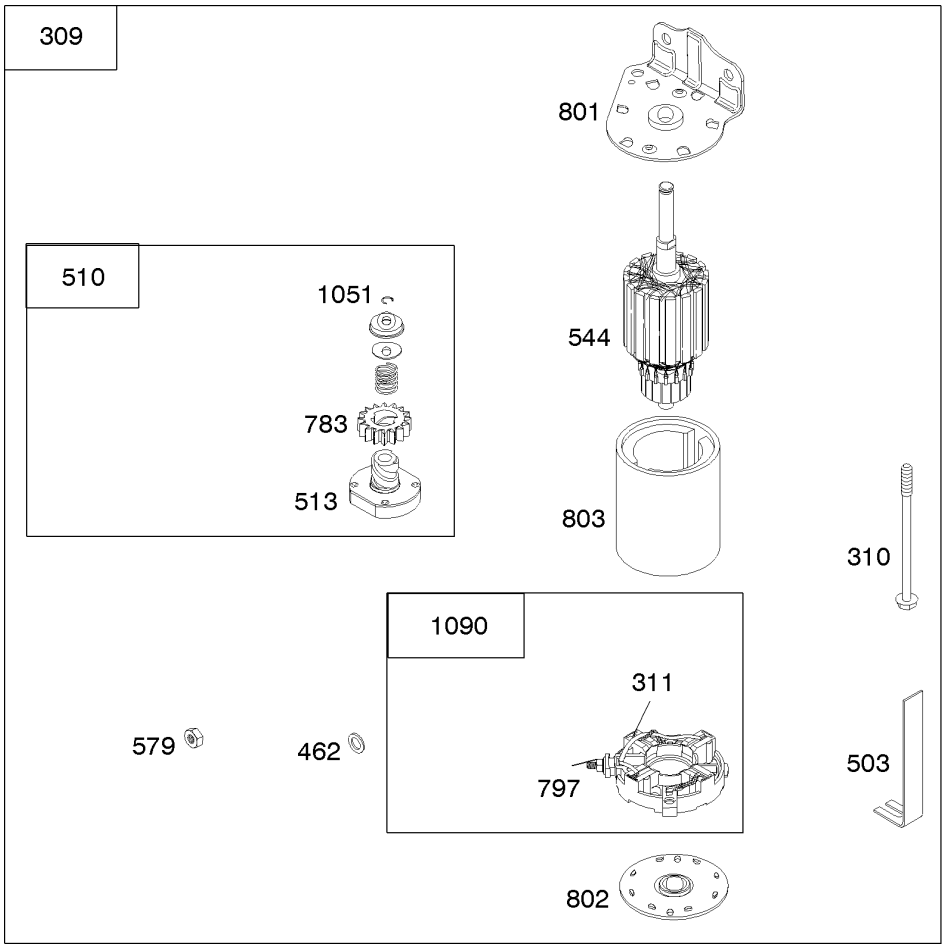


Assemblies include all parts shown in frames.

Blower Housing Assembly
Briggs and Stratton 280h07-0166-e1

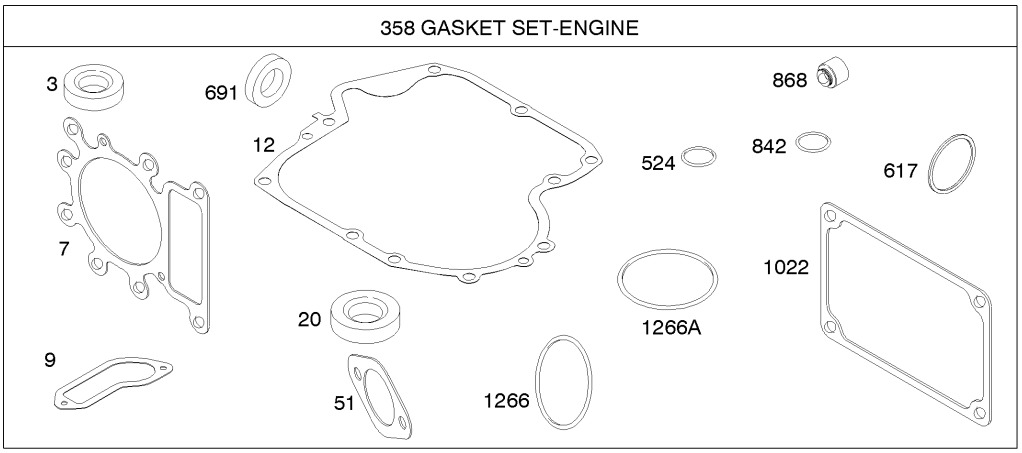
Ref	Part No.	Qty.	Description
❼23	693556	1	Flywheel
❼37	697352	1	Guard-Flywheel
❼73	697384	1	Screen-Rotating
❼74	697897	1	Screw
❼75	690582	1	Washer-Flywheel
❼78	691003	1	Screw
❼304	698599	1	Housing-Blower
❼305	697102	1	Screw
❼305A	697103	1	Screw
❼363	19203	1	Puller-Flywheel
❼431	697122	1	Elbow-Intake
❼445	698083	1	Filter-Cartridge, Air Cleaner
❼643	698401	1	Retainer-Filter, Air
❼783	693713	1	Gear-Pinion
❼967	697015	1	Filter-Cleaner, Pre
❼968	698403	1	Cover–Cleaner, Air
❼1005	697853	1	Fan-Flywheel
❼1036	695700	1	Label–Emission
❼1040	698368	1	Plate-Trim
❼1044	691658	1	Screw-Crankshaft Extension
❼1051	691265	1	Ring-Retaining
❼1070	690372	1	Screw
❸❼1266	691917	1	Seal-O Ring
❸❼1266A	697123	1	Seal-O Ring

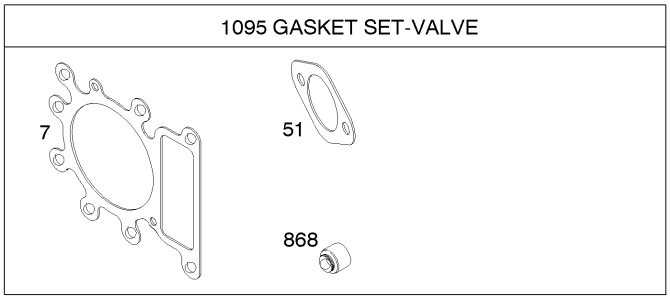
Ref	Part No.	Qty.	Description
❼1267	697419	1	Latch-Housing, Blower



Starter Assembly
Briggs and Stratton 280h07-0166-e1

Ref	Part No.	Qty.	Description
❼309	693551	1	Motor-Starter
❼310	690323	1	Bolt
❼311	497608	1	Brush Set
❼462	691261	1	Washer
❼503	691532	1	Strap-Starter
❼510	693699	1	Drive-Starter
❼513	692024	1	Clutch-Drive
❼544	692034	1	Armature-Starter
❼579	691029	1	Nut
❼697	690372	1	Screw
❼729A	691224	1	Clip-Wire
❼729B	694123	1	Clip–Wire
❼783	693713	1	Gear-Pinion
❼797	693167	1	Nut
❼801	691283	1	Cap-Drive
❼802	691286	1	Cap-End
❼803	693757	1	Housing-Starter
❼1051	691265	1	Ring-Retaining
❼1090	691293	1	Retainer-Brush

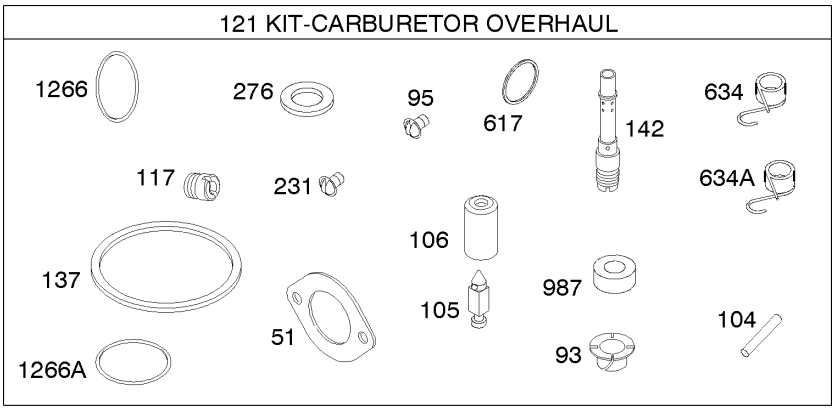


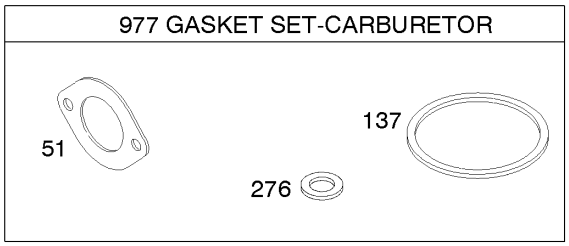


Assemblies include all parts shown in frames.

Gasket Assembly
Briggs and Stratton 280h07-0166-e1

Ref	Part No.	Qty.	Description
❸❼3	391086	1	Seal-Oil
❸❼7	273280	1	Gasket-Head, Cylinder
❸❼9	697109	1	Gasket-Breather
❸❼12	697110	1	Gasket-Crankcase
❸❼20	690947	1	Seal-Oil
❸❹51 ❺❻	692137	1	Gasket-Intake
❼358	697151	1	Engine Gasket Set
❸❹617 ❺❼	692138	1	Seal-O Ring
❸❼524	691032	1	Seal-O Ring
❸❼691	692407	1	Seal-Shaft, Governor
❸❼842	691031	1	Seal-O Ring
❸❹868 ❼	690968	1	Seal-Valve
❸❼1022	272475	1	Gasket-Cover, Rocker
❼1095	691581	1	Valve Gasket Set
❸❺1266 ❼	691917	1	Seal-O Ring
❸❺1266A ❼	697123	0	Seal-O Ring





Assemblies include all parts shown in frames.

Carburetor Overhaul Kit Assembly
Briggs and Stratton 280h07-0166-e1

Ref	Part No.	Qty.	Description
❸❹51 ❺❻	692137	1	Gasket-Intake
❺❼93	690602	1	Bushing-Shaft, Throttle
❺❼95	691636	1	Screw
❺❼104	690525	1	Pin-Hinge, Carburetor Float
❺❼105	231855	1	Valve-Needle, Float
❺❼106	690577	1	Seat-Inlet
❺❼117	694352	1	Jet-Main (STD)
❼121	697154	1	Carburetor Overhaul Kit
❺❻137 ❼	281165	1	Gasket-Bowl, Float
❺❼142	697140	1	Nozzle-Carburetor
❺❼231	691636	1	Screw
❺❻276 ❼	692255	1	Washer-Sealing
❸❺617 ❼	692138	1	Seal-O Ring
❺❼634	690801	1	Spring / Seal ASM
❺❼634A	690802	1	Spring And Seal ASM
❼977	690192	1	Carburetor Gasket Set
❺❼987	691326	0	Seal-Shaft, Throttle
❸❺1266 ❼	691917	0	Seal-O Ring
❸❺1266A ❼	697123	1	Seal-O Ring

Attachments and Accessories

For 81235 - Precision Z310 Riding Mower

Product Name	Model/Part
Tire Chain Kit	107-1737
Anti-Scalp Roller Kit	107-9133
Light Kit	108-6160
38 Inch Mulching Kit	108-7193
Smooth Tire Kit	108-8501
38 Inch Twin Bagger	62555
48 Inch Snow Blade	63600


LAWN·BOY®