



Precision Z330 LX Riding Mower

Model No. 81229 - 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.

Contents

Description	Page	Description	Page
Front Frame Assembly	 3	Crankshaft Assembly Briggs and Stratton 286H77-0165-E1	 20
Seat Assembly	 4	Crankcase Assembly Briggs and Stratton 286H77-0165-E1	 21
Control Assembly	 5	Oil Filter, Tube and Pump Assembly Briggs and Stratton 286H77-0165-E1	 22
Hydro and Belt Drive Assembly	 6	Carburetor Assembly Briggs and Stratton 286H77-0165-E1	 23
LH Hydrostat Assembly Part No. 108-2394	 7	Governor Assembly Briggs and Stratton 286H77-0165-E1	 24
RH Hydrostat Assembly Part No. 108-2393	 9	Blower Housing Assembly Briggs and Stratton 286H77-0165-E1	 25
Engine Assembly	 11	Starter Assembly Briggs and Stratton 286H77-0165-E1	 26
Styling Assembly	 12	Gasket Assembly Briggs and Stratton 286H77-0165-E1	 27
42in Deck Assembly	 13	Carburetor Overhaul Kit Briggs and Stratton 286H77-0165-E1	 28
Deck Decal Assembly	 14	Attachments and Accessories List	 29
42in Mulch Assembly	 15		
Spindle and Belt Drive Assembly	 16		
Electrical Assembly	 17		
Cylinder Assembly Briggs and Stratton 286H77-0165-E1	 18		
Cylinder Head Assembly Briggs and Stratton 286H77-0165-E1	 19		

Part Description Abbreviations

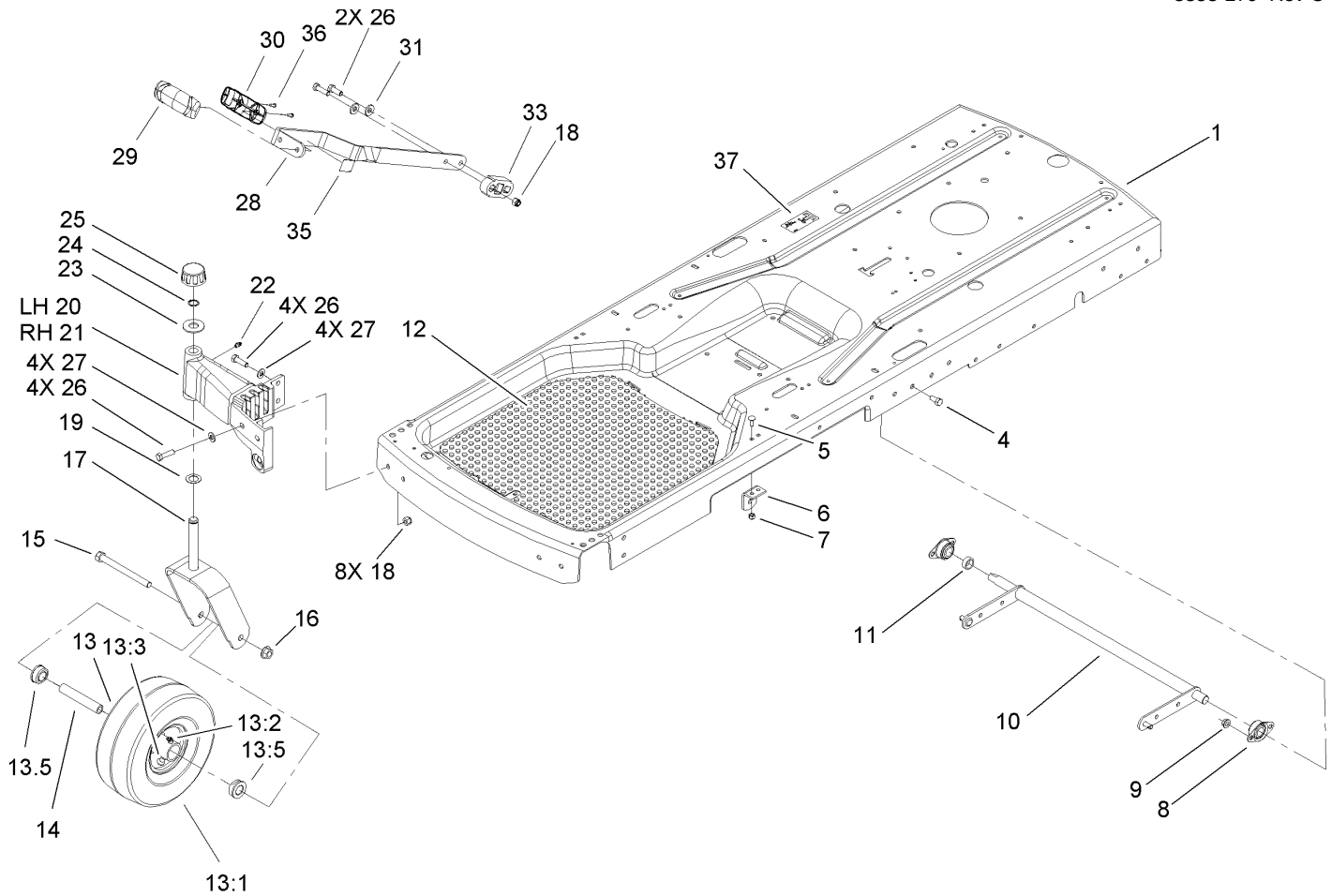
Part descriptions in this catalog may include the following abbreviations.

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

Footnotes

- ❶ Not illustrated
- ❸ Obtain from your local Briggs & Stratton dealer

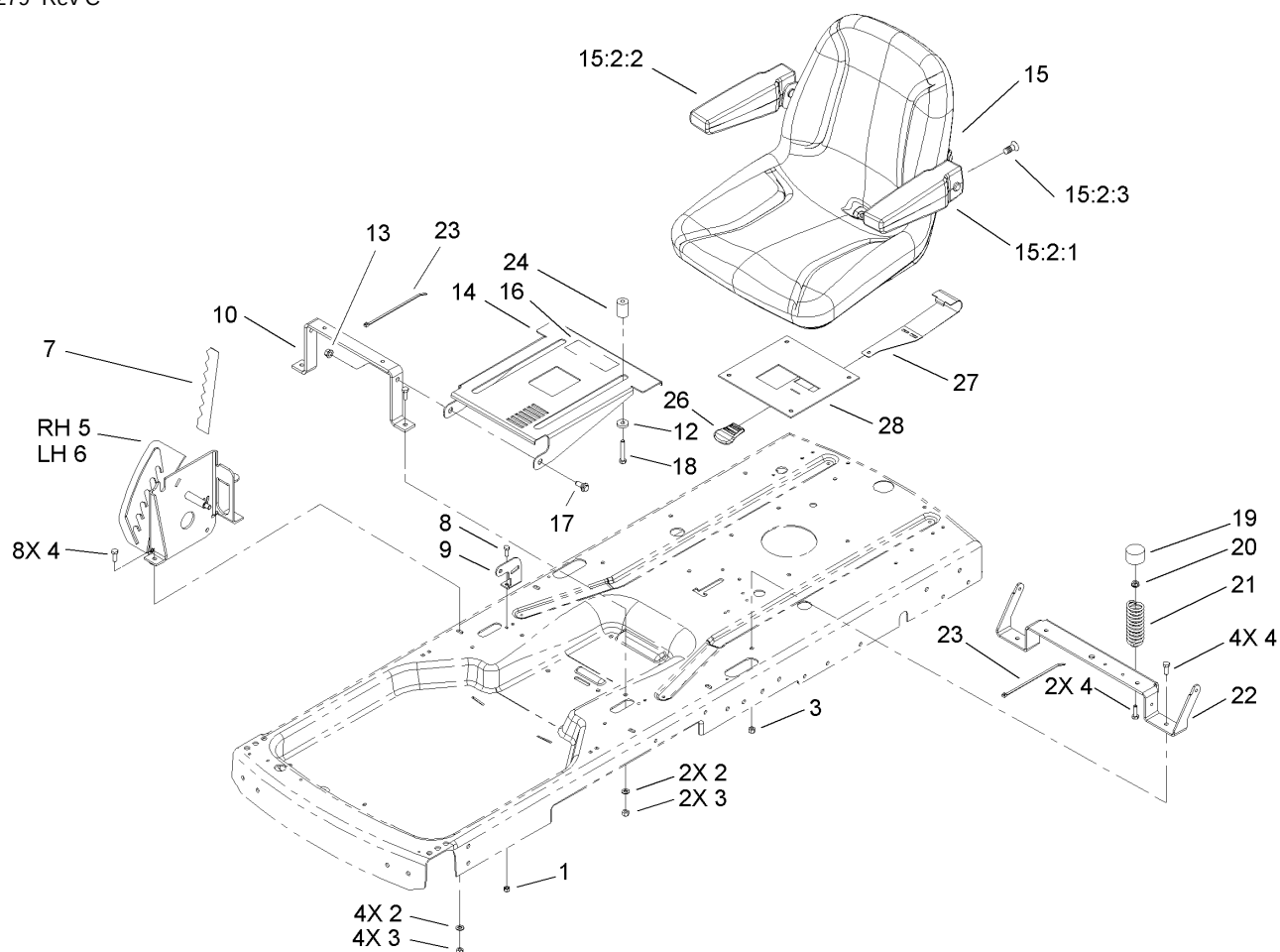
- ❷ Not serviced separately



Front 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	302-5	1	Fitting-Grease
13:3	232-27	1	Stem-Valve
13:5	114-1640	2	Bushing-Flange
13:99	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

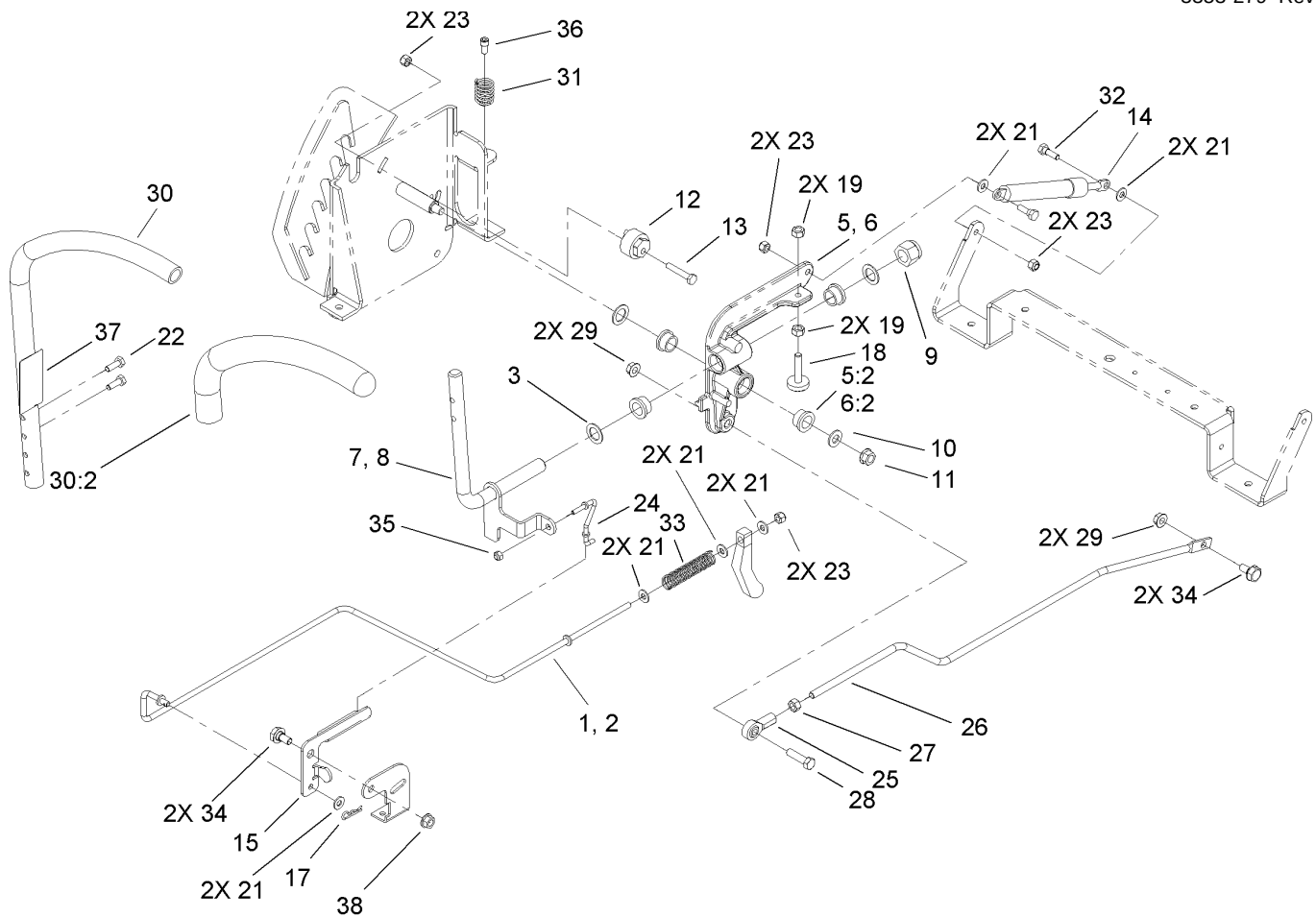
Ref	Part No.	Qty.	Description
22	302-5	2	Fitting-Grease
23	28-2480	2	Washer
24	32151-103	2	Ring-Snap
25	61-9780	2	Cap-Hub
26	323-18	10	Screw-HH
27	3256-24	8	Washer-Flat
28	108-2317-03	1	Lever-Lift
29	108-2318	1	Handle-Top
30	108-2319	1	Handle-Bottom
31	98-5975	2	Washer-Belleville
33	106-2211	1	Block-Lift
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	106-2223	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	106-8717	1	Decal-Service
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

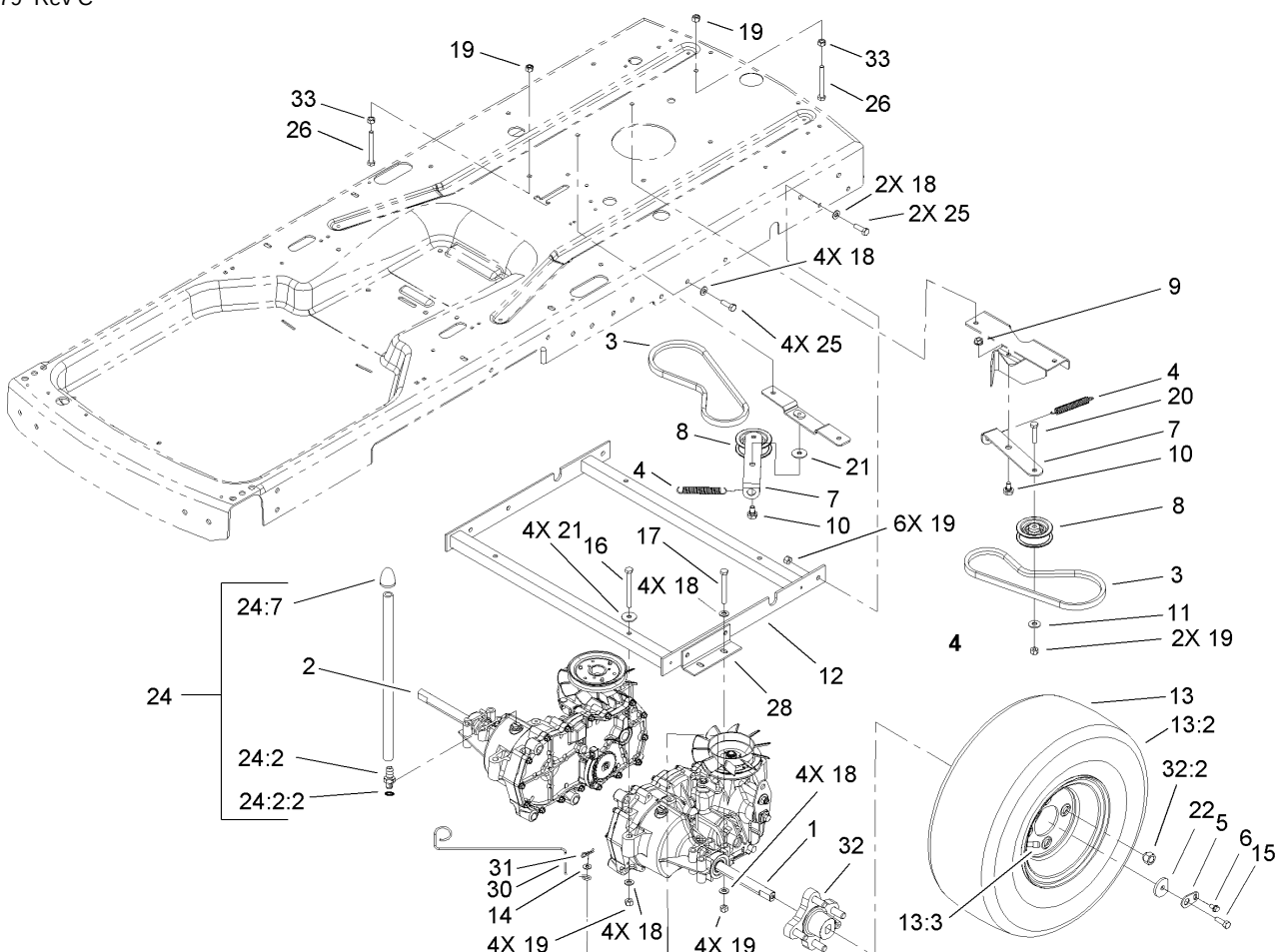
Ref	Part No.	Qty.	Description
23	614249	2	Strap-Tie
24	108-2301	4	Spacer
26	107-1904	1	Knob-Lever, HOC
27	108-2302	1	Latch-Seat
28	108-7175-03	1	Mount-Latch, Seat



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
①5	107-4909	1	LH Activator Arm ASM
①5:2	105-3455	4	Bushing
6	107-4910	1	RH Activator Arm ASM
6:2	105-3455	4	Bushing
①7	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

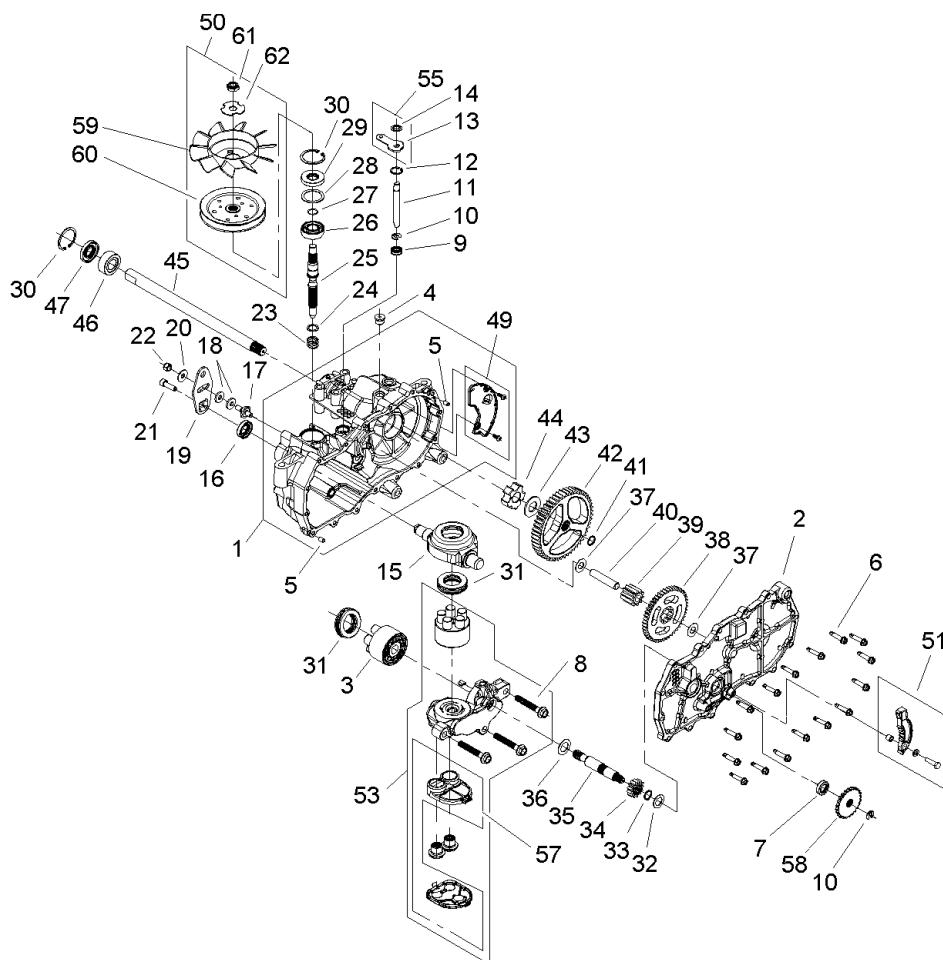
Ref	Part No.	Qty.	Description
26	105-7048	2	Rod-Hydro
27	3219-2	2	Nut-Hex
28	322-6	2	Screw-HH
29	32128-20	4	Nut-HF
30	108-6117	2	Handle ASM
30:2	108-6187	1	Grip
31	105-3469	2	Spring-Compression
32	106-2214	4	Bolt-Shoulder
33	105-3465	2	Spring-Compression
34	37-8771	4	Bolt-Shoulder
35	3296-2	2	Nut-Lock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



Hydro and Belt Drive Assembly

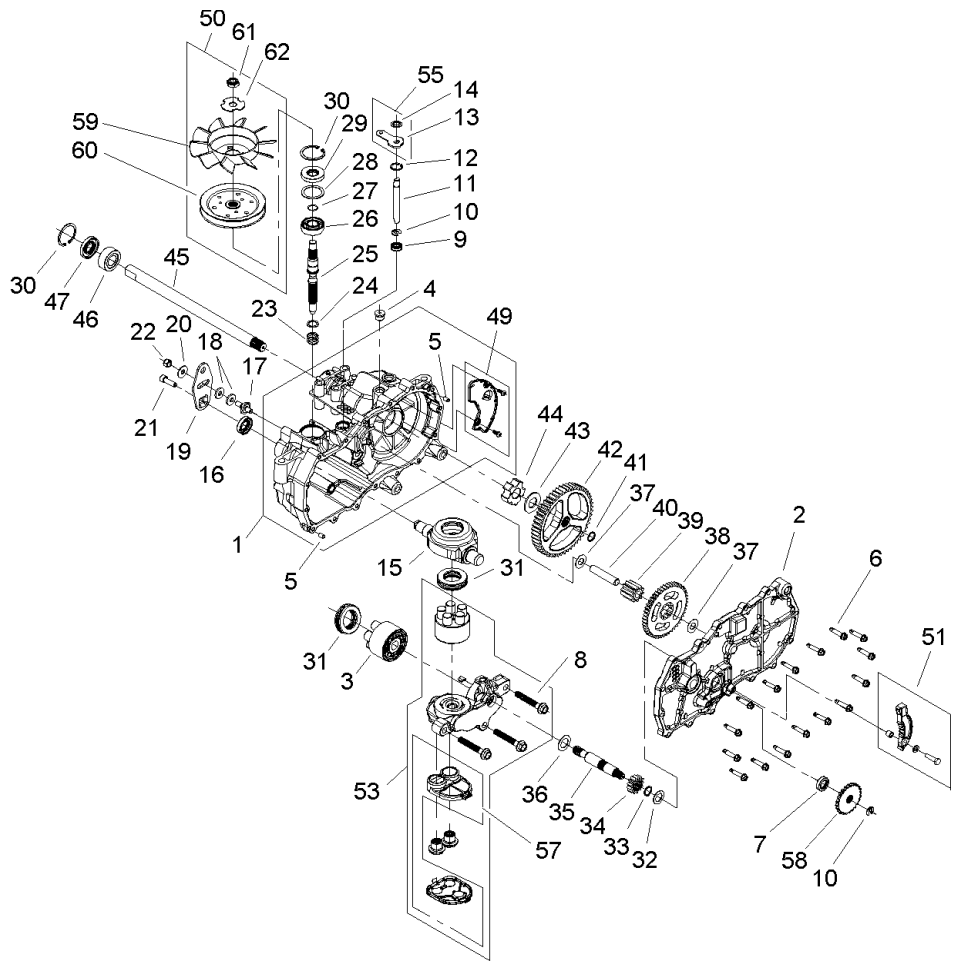
Ref	Part No.	Qty.	Description
1	108-2394	1	Transaxle-Hydro, LH
2	108-2393	1	Transaxle-Hydro, RH
3	106-2174	2	V-Belt
4	95-3805	2	Spring
5	105-3438	2	Tab-Locking
6	3234-13	2	Screw-HHF
7	105-7047	2	Arm-Idler
8	106-2176	2	Pulley-Idler
9	32128-25	1	Nut-HF
10	37-8770	2	Bolt-Shoulder
11	3256-3	2	Washer-Flat
12	107-4878-03	1	Hydro Mount ASM
13	108-6128	2	Wheel And Tire ASM
13:2	106-7006	1	Tire
13:3	232-27	1	Stem-Valve
13:99	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
24:2:2	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	4	Nut-Lug
33	3217-6	2	Nut-Hex



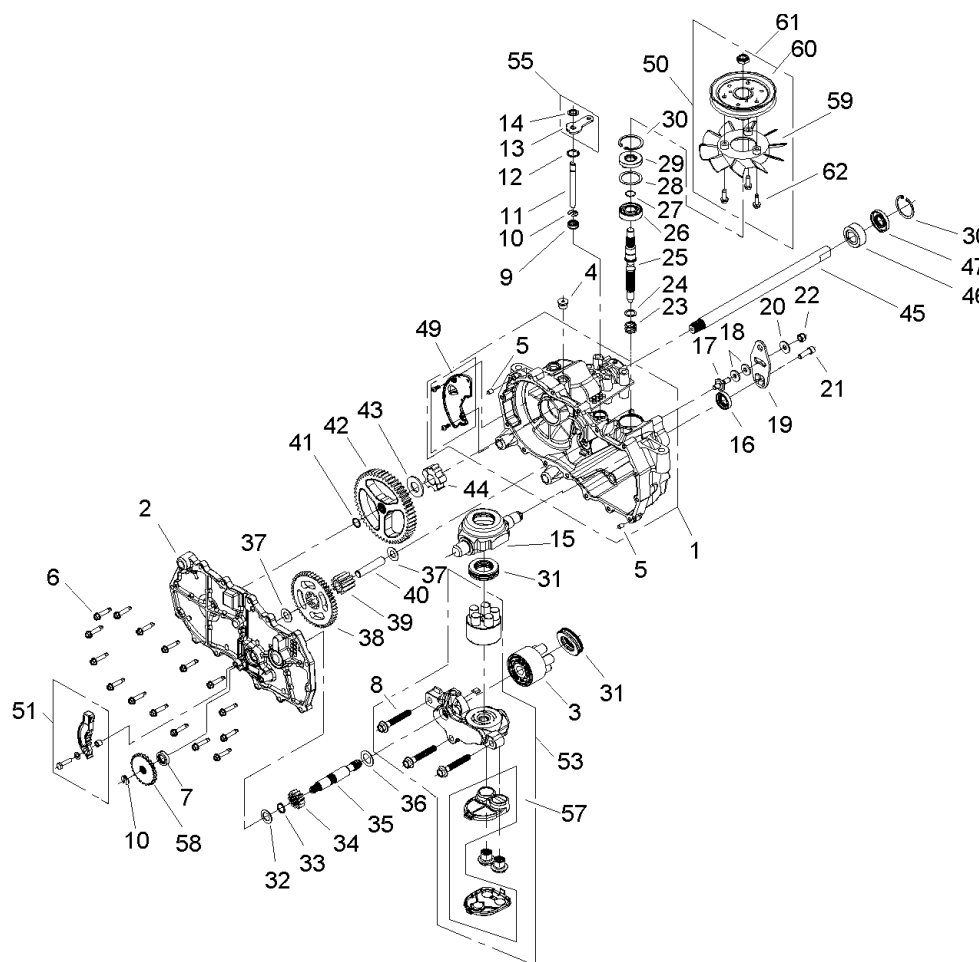
LH Hydrostat Assembly Part No. 108-2394

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	106-8695	1	RH Main Housing ASM	25	104-5306	1	Shaft-Input
2	106-8696	1	RH Side ASM	26	104-5311	1	Bearing-Ball
3	104-2106	1	Cylinder Block ASM	27	104-5307	1	Ring-Retaining
4	104-2189	1	Plug-Thread, Straight	28	104-5308	1	Spacer
5	104-2170	2	Pin	29	104-5310	1	Seal-Lip
6	104-5305	16	Screw-HHF	30	104-5309	2	Ring-Retaining
7	104-5347	1	Seal-Oil	31	94-6922	2	Bearing-Thrust
8	94-6926	3	Bolt	32	104-5339	1	Washer-Flat
9	106-8676	1	Seal-Lip	33	104-5340	1	Ring-Retaining
10	106-8677	2	Ring-Retaining, EXT	34	104-5316	1	Gear-Pinnion, 13T
11	106-8678	1	Rod-Bypass	35	106-8683	1	Shaft-Motor
12	106-8679	1	Ring-Retaining, Int	36	104-5360	1	Washer-Shaft, Motor
13	107-2490	1	Arm-Bypass	37	94-1933	2	Washer
14	106-8681	1	Ring-Retaining, EXT	38	104-5317	1	Gear
15	104-5304	1	Swashplate-Trunnion	39	104-5318	1	Gear-Jackshaft, 10T
16	104-5313	1	Seal-Lip	40	104-5329	1	Pin-Jackshaft
17	104-2116	1	Stud	41	104-5328	1	Ring-Retaining, Spiral
18	105-1873	2	Puck-Friction	42	106-8684	1	Gear-Bull, 52T
19	106-8747	1	Arm-Control	43	94-1943	1	Washer
20	5-4460	1	Washer-Pivot	44	104-5320	1	Bearing-Sleeve
21	107-2488	1	Screw	45	106-8685	1	Axle
22	105-1872	1	Nut	46	104-5321	1	Bearing-Sleeve, Outboard
23	94-1936	1	Spring-Block	47	104-5322	1	Seal-Lip
24	94-1937	1	Washer-Block, Thrust	48	106-8686	1	Seal Kit



LH Hydrostat Assembly Part No. 108-2394 (continued)

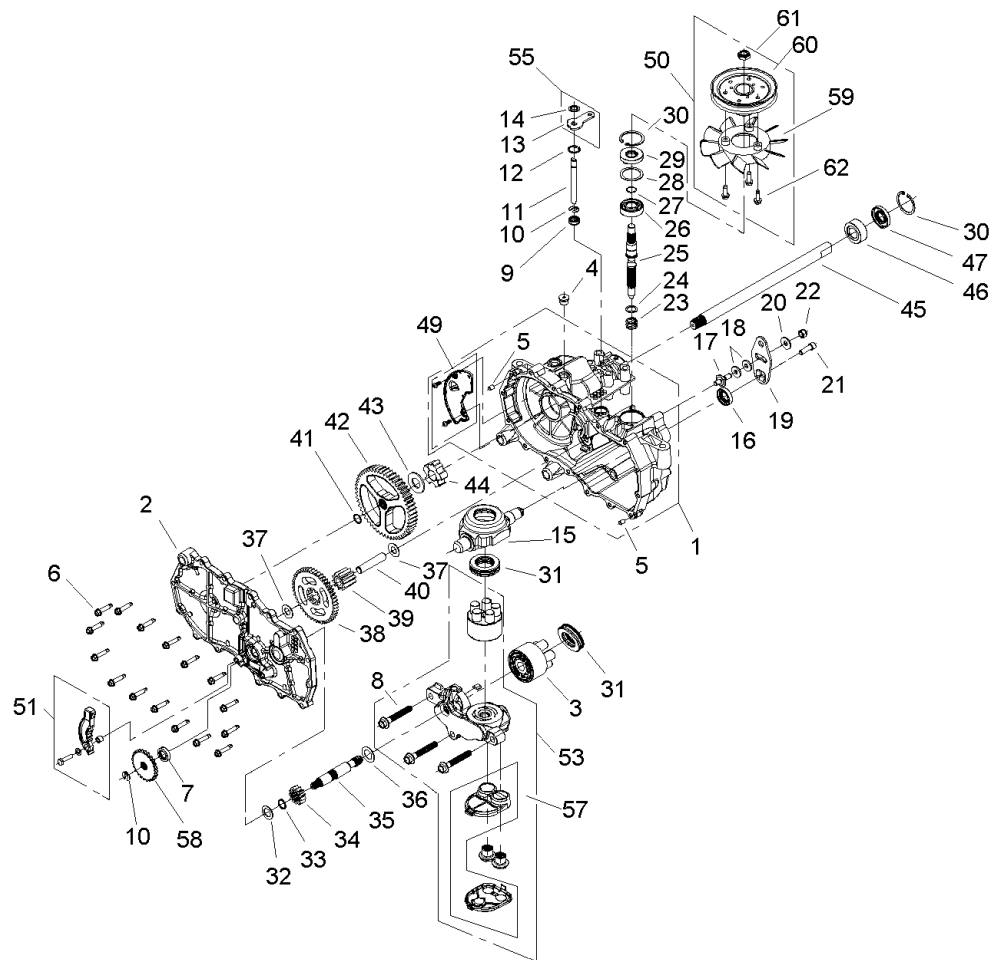
Ref	Part No.	Qty.	Description				
49	106-8697	1	RH Expansion Plate Kit				
50	106-8698	1	Fan Pulley Kit				
51	106-8688	1	Brake Arm Kit				
53	108-6190	1	RH 7-Piston Center Section Kit				
54	104-2147	1	Sealant				
55	107-2489	1	Bypass Arm Kit				
57	106-8693	1	Filter Kit				
58	106-8694	1	Disc-Brake, 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				



RH Hydrostat Assembly Part No. 108-2393

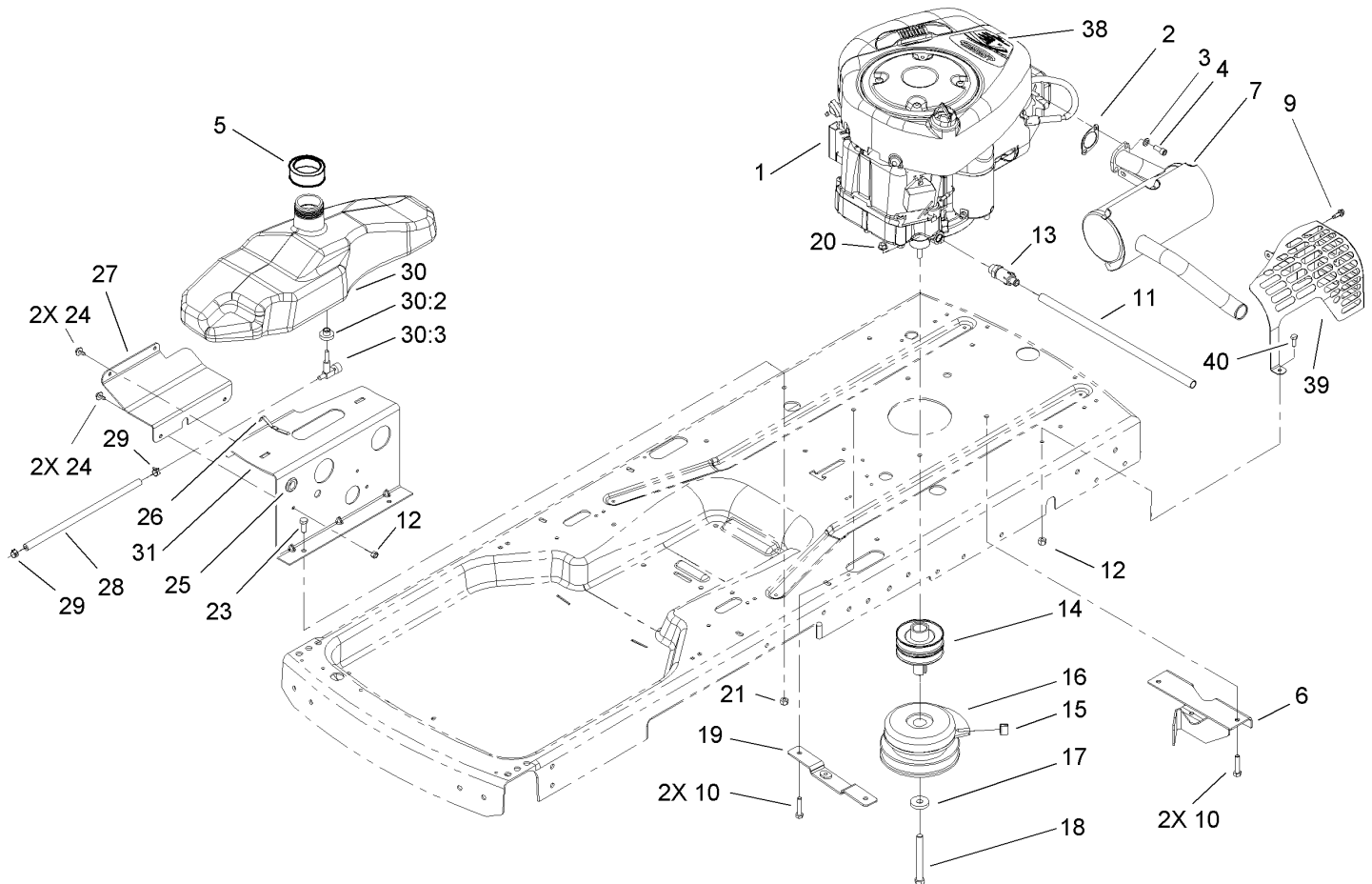
Ref	Part No.	Qty.	Description
1	106-8674	1	LH Main Housing ASM
2	106-8675	1	LH Side ASM
3	104-2106	1	Cylinder Block ASM
4	104-2189	1	Plug-Thread, Straight
5	104-2170	2	Pin
6	104-5305	16	Screw-HHF
7	104-5347	1	Seal-Oil
8	94-6926	3	Bolt
9	106-8676	1	Seal-Lip
10	106-8677	2	Ring-Retaining, EXT
11	106-8678	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-Block, Thrust

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-Pinion, 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
48	106-8686	1	Seal Kit



RH Hydrostat Assembly Part No. 108-2393 (continued)

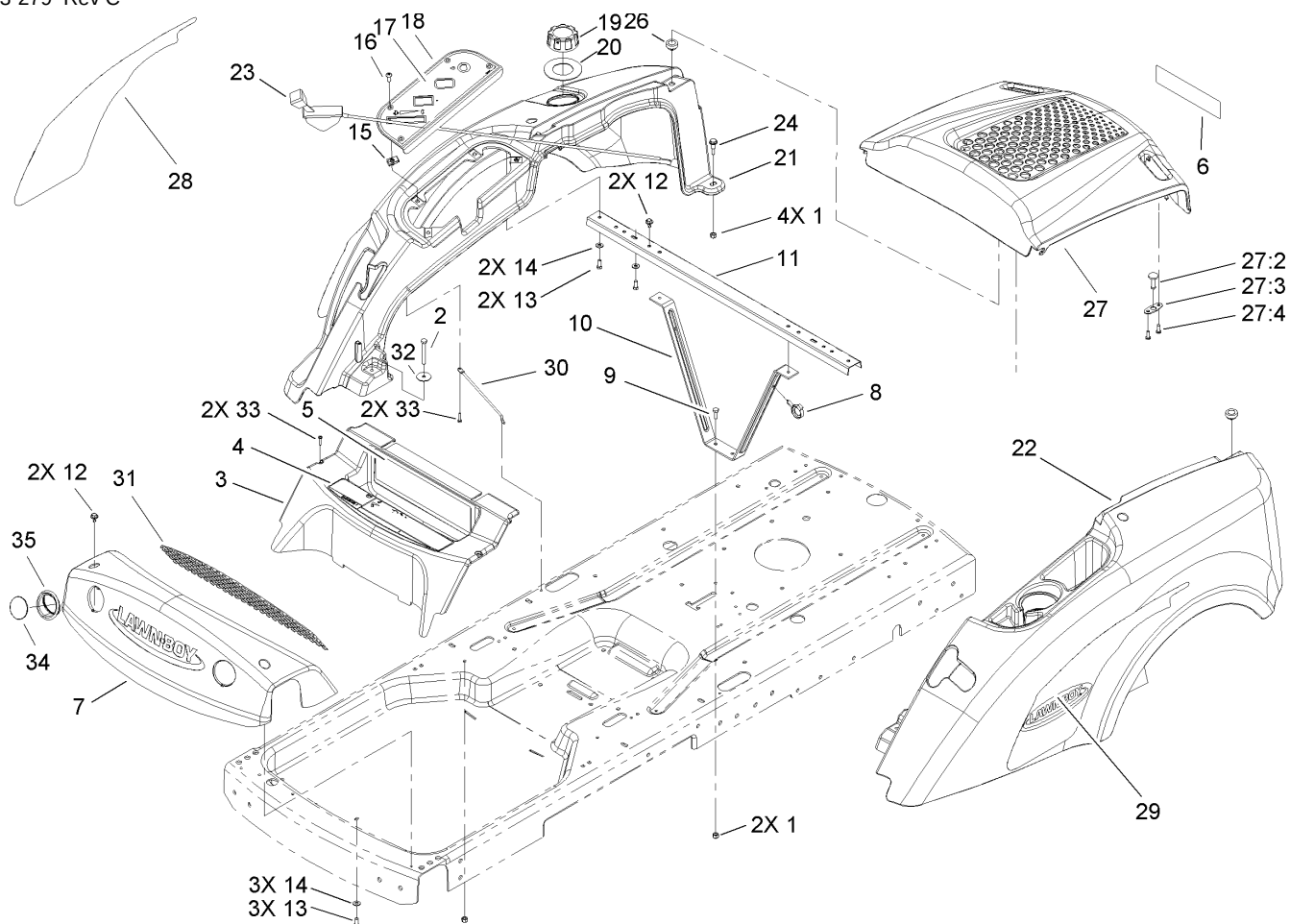
Ref	Part No.	Qty.	Description				
49	106-8687	1	LH Expansion Plate Kit				
50	105-1928	1	Fan Pulley Kit				
51	106-8688	1	Brake Arm Kit				
53	108-6189	1	LH 7-Piston Center Section Kit				
54	104-2147	1	Sealant				
55	107-2489	1	Bypass Arm Kit				
57	106-8693	1	Filter Kit				
58	106-8694	1	Disc-Brake, Cog				
59	105-1927	1	Fan				
60	105-1896	1	Pulley				
61	105-1875	1	Nut-Lock				
62	104-2120	3	Screw				



Engine Assembly

Ref	Part No.	Qty.	Description
1		1	Engine-Briggs And Stratton, 286H77-0165-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
12	3296-42	1	Nut-Lock, NI
13	92-6877	1	Valve-Drain, Oil
14	105-3472	1	Pulley-Engine
15	98-5023	1	Bumper
16	104-3334	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

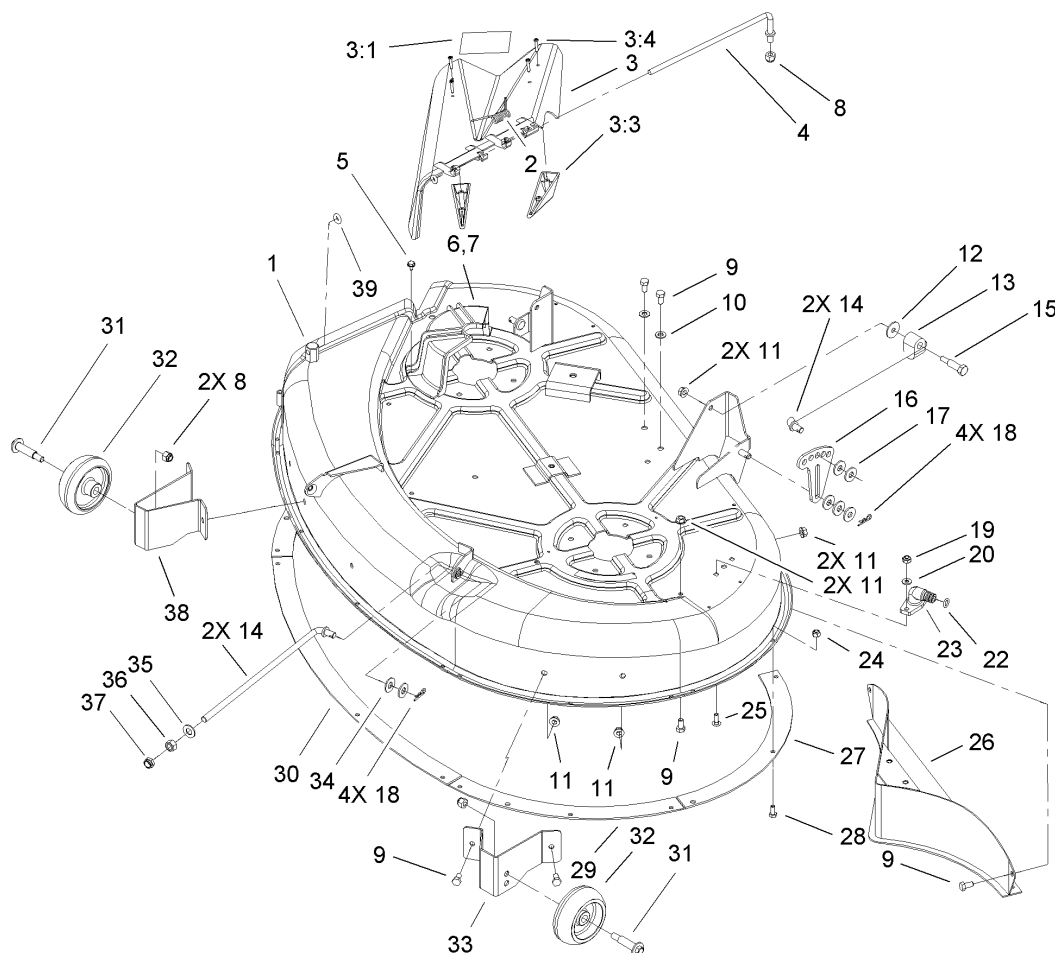
Ref	Part No.	Qty.	Description
26	609830	2	Spring
27	108-2315-03	1	Plate-Support
28	106-8720	1	Hose-Fuel
29	2412-98	2	Clamp
30	107-9172	1	Fuel Tank ASM
30:2	46-6560	1	Bushing
30:3	104048	1	Valve-Fuel
31	108-2314-03	1	Plate-Tank
38	108-8529	1	Decal-Engine
39	106-7028-03	1	Guard-Muffler
40	321-4	1	Screw-HH
41	88-4490	1	Reducer-Throttle, Rpm



Styling Assembly

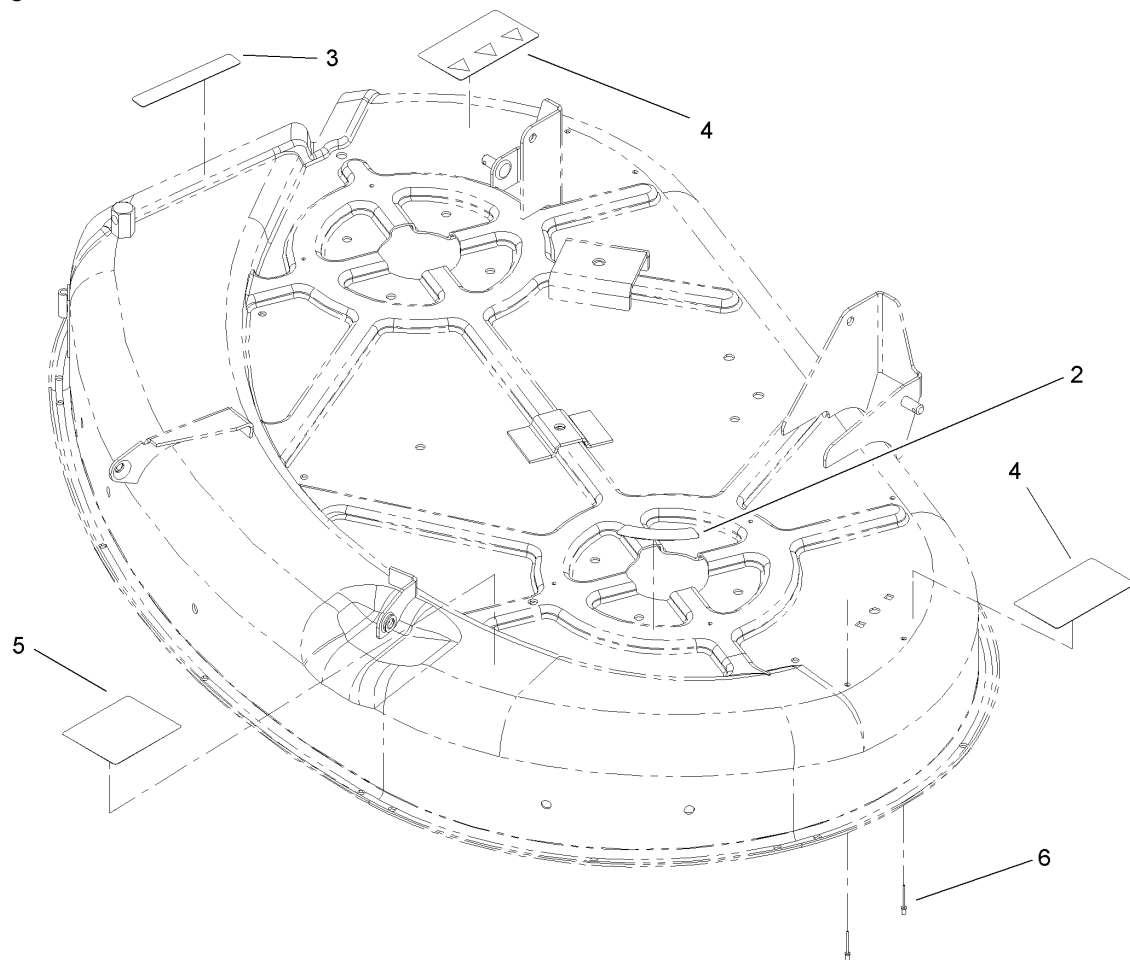
Ref	Part No.	Qty.	Description
1	3296-42	6	Nut-Lock, NI
2	321-18	2	Screw-HH
3	108-2316	1	Panel-Kick
4	108-8575	1	Decal-Danger, Ce
5	108-6146	1	Decal
6	108-6141	1	Decal
7	108-2328	1	Footrest
8	105-1853	2	Clamp-Hose
9	321-4	2	Screw-HH
10	107-9173-03	1	Brace-Support
11	108-2313-03	1	Channel-Cross
12	46-8560	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



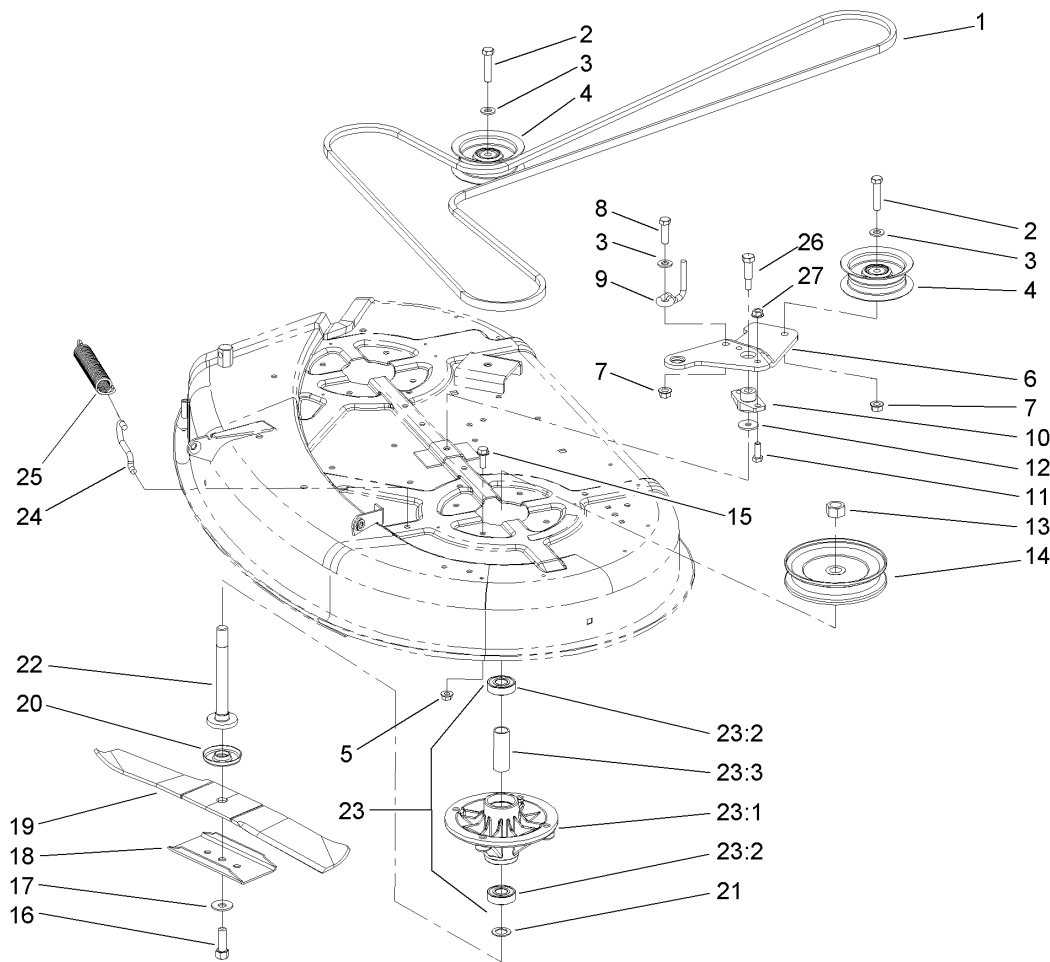
42in Deck Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	108-9501	1	42 In Deck ASM	23	95-2747	1	Fitting-Washout
2	57-6950	1	Spring	24	3296-42	19	Nut-Lock, NI
3	93-7695	1	Deflector ASM	25	3229-1	2	Screw-CARR
3:1	93-7010	1	Decal-Danger	26	106-6983-03	1	Rear Baffle ASM
3:3	93-7696	2	Kicker	27	106-6954-03	2	Ring-Blow Out, Side
3:4	93-0231	4	Screw-PPH	28	321-3	19	Screw-HH
4	95-1661	1	Rod-Pivot	29	106-6952-03	2	Ring-Blow Out, Side
5	32104-76	5	Screw	30	106-6953-03	1	Ring-Blow Out
①6	88-4030	1	Guide-Belt, Deck (LH)	31	56-6591	2	Bolt-Wheel
7	88-4020	1	Guide-Belt, Deck (RH)	32	701756	2	Wheel-Gage
8	3296-39	3	Nut-Lock, NI	33	106-8702-03	1	Bracket-Gage Wheel, Front (LH)
9	322-2	8	Screw-HH	34	3256-4	8	Washer-Flat
10	3256-23	2	Washer-Flat	35	3256-25	2	Washer-Flat
11	32128-25	8	Nut-HF	36	3219-4	2	Nut-Hex
12	5-4460	2	Washer-Pivot	37	3296-38	2	Nut-Lock, NI
13	88-4230	2	Trunnion-HOC	38	106-8701-03	1	Bracket-Gage Wheel, Front (RH)
14	105-3437	4	Rod-Hanger	39	106-8745	1	O-Ring
15	7-0030	2	Bolt-Shoulder				
16	88-5570-03	2	Link-Adjusting, HOC				
17	80-6990	10	Washer-Hardened				
18	9335054	8	Pin-Hair				
19	3296-16	2	Nut-Lock, NI				
20	3256-1	2	Washer-Flat				
22	46-6290	1	O-Ring				



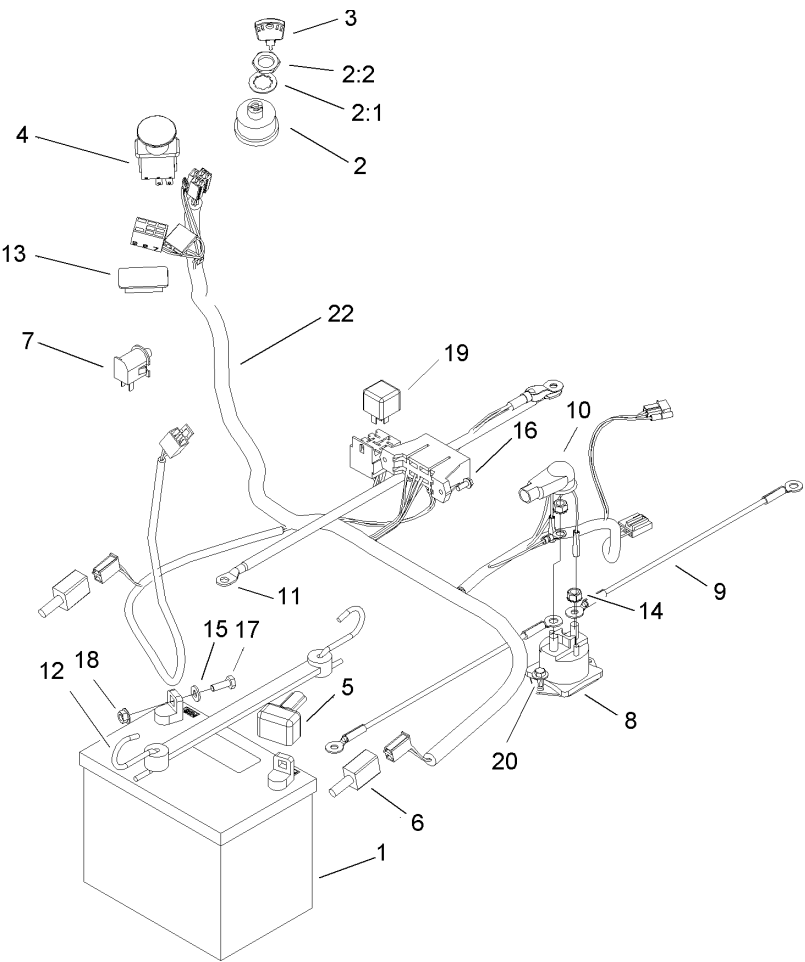
Deck Decal Assembly

Ref	Part No.	Qty.	Description
2	93-6677	1	Decal-Shield, Danger
3	93-7009	1	Decal-Danger
4	93-7010	2	Decal-Danger
5	105-7015	1	Decal-Routing, Belt
6	3290-282	2	Rivet-Pop



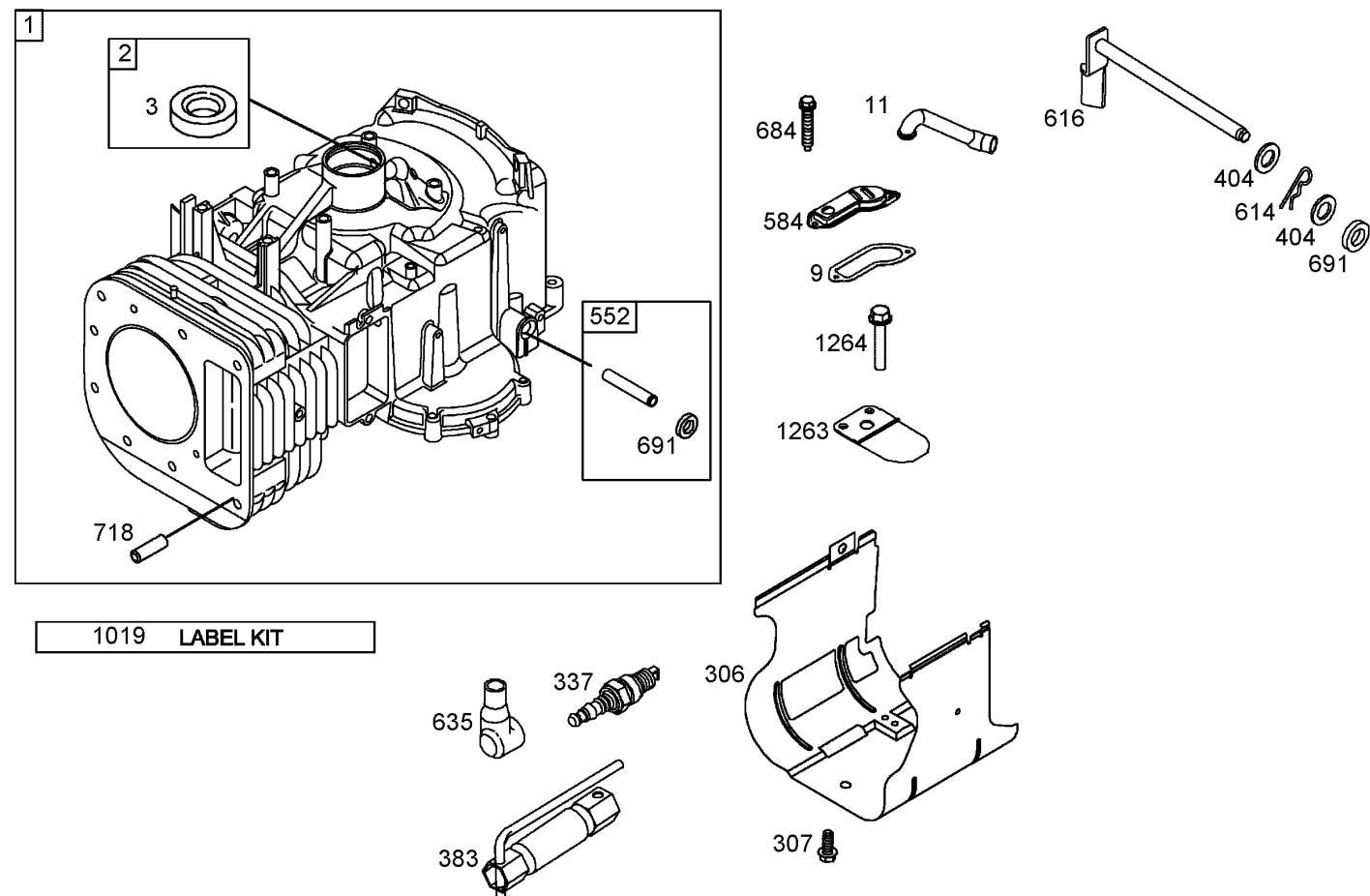
Spindle and Belt Drive Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	106-2173	1	Belt-V	23:2	100-1048	2	Bearing-Ball
2	323-9	2	Screw-HH	23:3	62-3661	1	Spacer-Bearing
3	3256-24	3	Washer-Flat	24	88-5970	1	Hook-Return, Spring
4	106-2175	2	Pulley-Idler, Flat	25	106-2177	1	Spring-Extension
5	32128-25	1	Nut-HF	26	7-0030	1	Bolt-Shoulder
6	107-2467-03	1	Arm-Idler	27	3296-29	2	Nut-Lock, NI
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	106-2248-03	2	Stiffener-Blade				
19	106-2247-03	2	Blade				
20	80-4360	2	Shield-Bearing				
21	80-4380	2	Spacer				
22	80-4341	2	Shaft				
23		2	Spindle ASM				
23:1	88-4510	1	Housing-Spindle				



Electrical Assembly

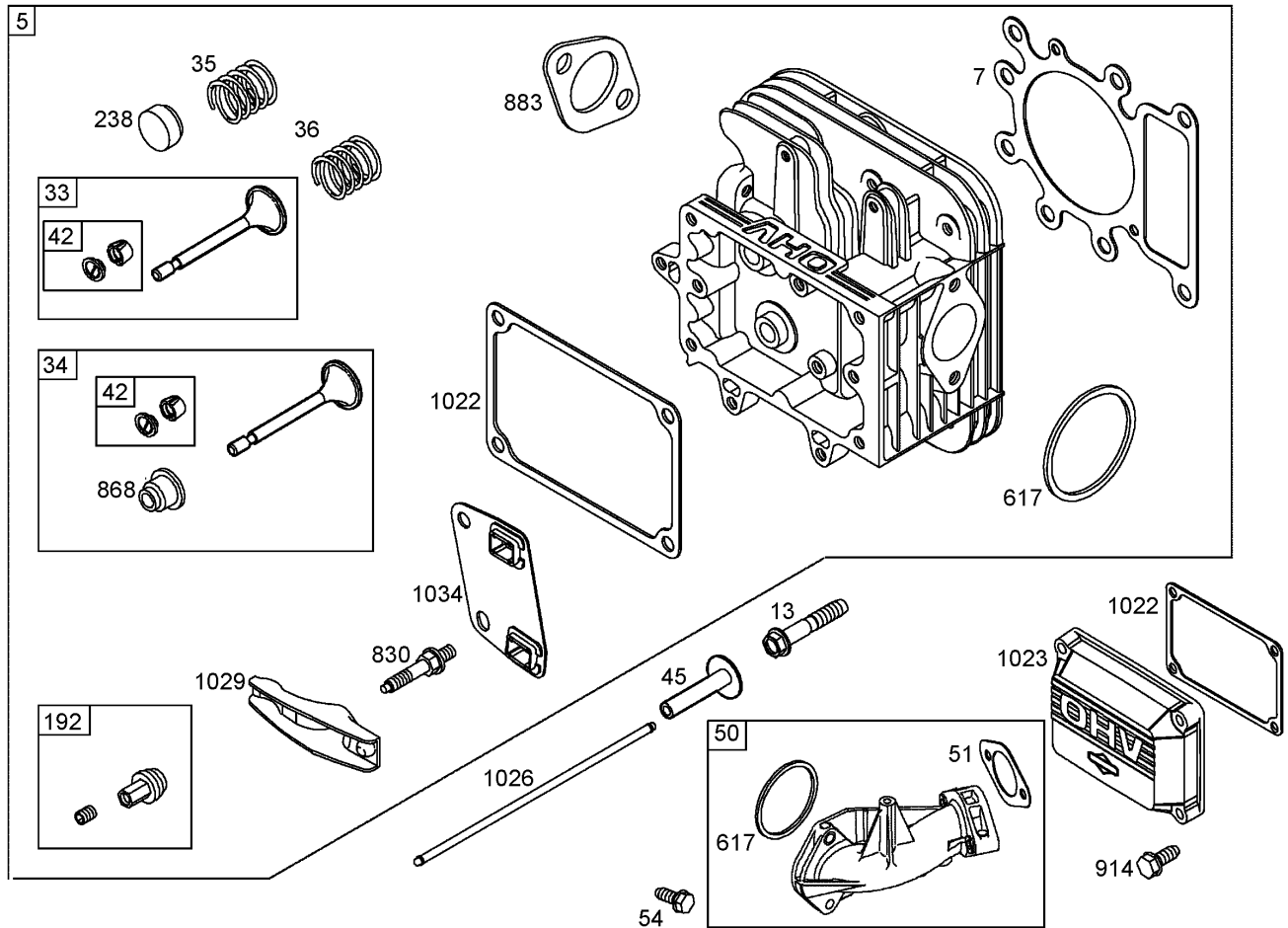
Ref	Part No.	Qty.	Description				
1	104-2491	1	Battery-Dry				
2	88-9830	1	Key Switch ASM				
2:1	3254-5	1	Washer-Tooth				
2:2	218-461	1	Nut-HH				
3	700918	1	Key				
4	95-7489	1	Switch-PTO				
5	28-8080	1	Boot-Terminal				
6	106-2216	2	Switch				
7	82-2190	1	Switch-Bail				
8	106-8245	1	Solenoid				
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				



Cylinder Assembly

Briggs and Stratton 286H77-0165-E1

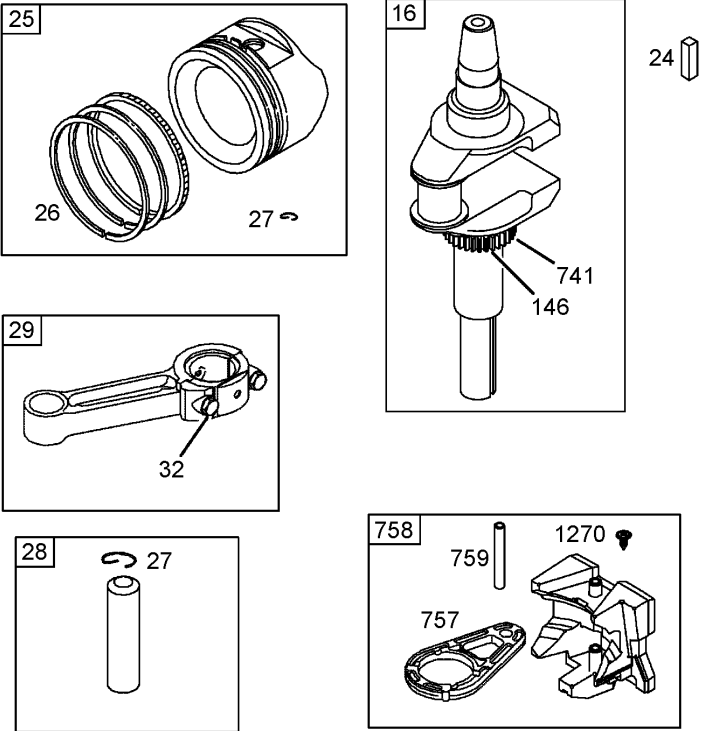
Ref	Part No.	Qty.	Description				
❶1	697132	1	Cylinder ASM				
❷2	399265	1	Bushing And Seal Kit				
❸3	391086	1	Seal-Oil				
❹9	697109	1	Gasket-Breather				
❺11	697113	1	Tube-Breather				
❻48	697762	1	Short Block ASM				
❼306	697107	1	Shield-Cylinder				
❼307	691003	1	Screw (Cylinder Shield)				
❼337	691043	1	Spark Plug				
❼383	89838	1	Wrench-Plug, Spark				
❼404	691691	1	Washer (Governor Crank)				
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 (Breather Passage Cover)				
❼691	692407	1	Seal-Shaft, Governor				
❼718	690959	1	Pin-Locating				
❼1019	697143	1	Label Kit				
❼1263	697124	1	Reed-Breather				
❼1264	697104	1	Screw (Breather Reed)				



Cylinder Head Assembly Briggs and Stratton 286H77-0165-E1

Ref	Part No.	Qty.	Description
5	698148	1	Head-Cylinder
7	273280	1	Gasket-Head, Cylinder
13	690360	1	Screw (Cylinder Head Gasket)
33	695760	1	Valve-Exhaust
34	695761	1	Valve-Intake
35	691279	1	Spring-Valve (Intake)
36	691279	1	Spring-Valve (Exhaust)
42	499586	1	Keeper-Valve
45	690564	1	Tappet-Valve
50	690193	1	Manifold-Intake
51	692137	1	Gasket-Intake
54	691148	1	Screw (Intake Manifold)
192	691986	1	Adjustor-Arm, Rocker
238	691843	1	Cap-Valve
617	692138	1	Seal-O Ring (Intake Manifold)
830	691095	1	Stud-Arm, Rocker
868	690968	1	Seal-Valve
883	692236	1	Gasket-Exhaust
914	691108	1	Screw (Rocker Cover)
1022	272475	1	Gasket-Cover, Rocker
1023	692492	1	Cover-Rocker
1026	692003	1	Rod-Push
5	692011	1	Rod-Push
1029	691751	1	Arm-Rocker

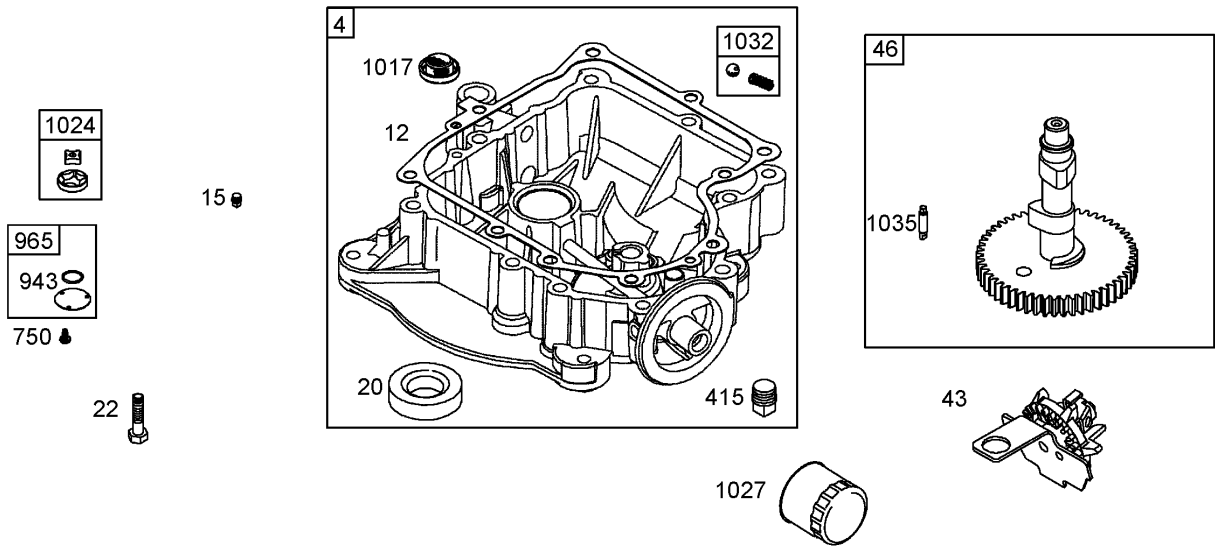
Ref	Part No.	Qty.	Description
1034	690822	1	Guide-Rod, Push



Crankshaft Assembly

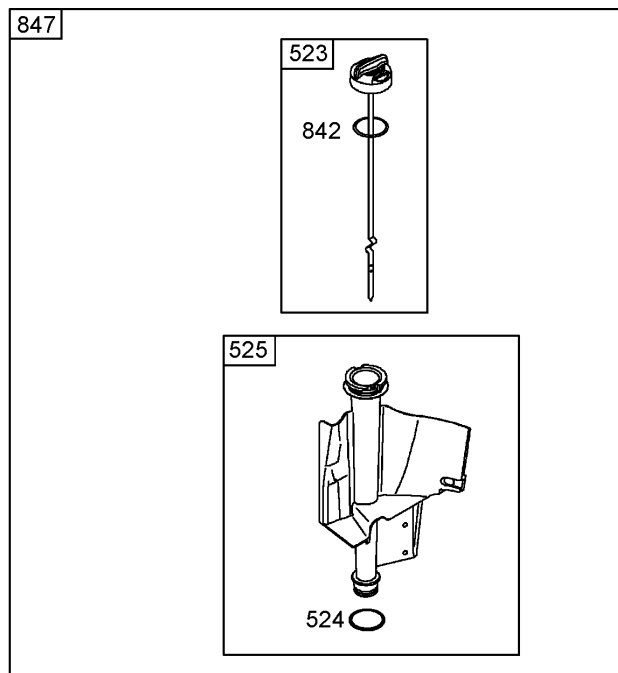
Briggs and Stratton 286H77-0165-E1

Ref	Part No.	Qty.	Description				
16	697127	1	Crankshaft				
24	222698	1	Key				
25	698371	1	Piston ASM (Standard) (After Code Date 03092800)				
25	697114	1	Piston ASM (Standard) (Before Code Date 03092900)				
25	698375	1	Piston ASM (.020In Oversize) (After Code Date 03092800)				
25	697117	1	Piston ASM (.020In Oversize) (Before Code Date 03092900)				
26	697115	1	Ring Set (Standard)				
26	697120	1	Ring Set (.020In Oversize)				
27	698469	1	Lock-Pin, Piston				
28	697099	1	Pin-Piston (STD)				
29	697126	1	Rod-Connecting (Standard)				
29	697263	1	Rod-Connecting (.020In Undersize)				
32	692852	1	Screw (Connecting Rod)				
146	691639	1	Key-Timing				
741	697128	1	Gear-Timing				
757	697607	1	Link-Counterweight				
758	697134	1	Counterweight				
759	697392	1	Pin-Counterweight				
1270	697156	1	Plug-Counterweight, Avs				



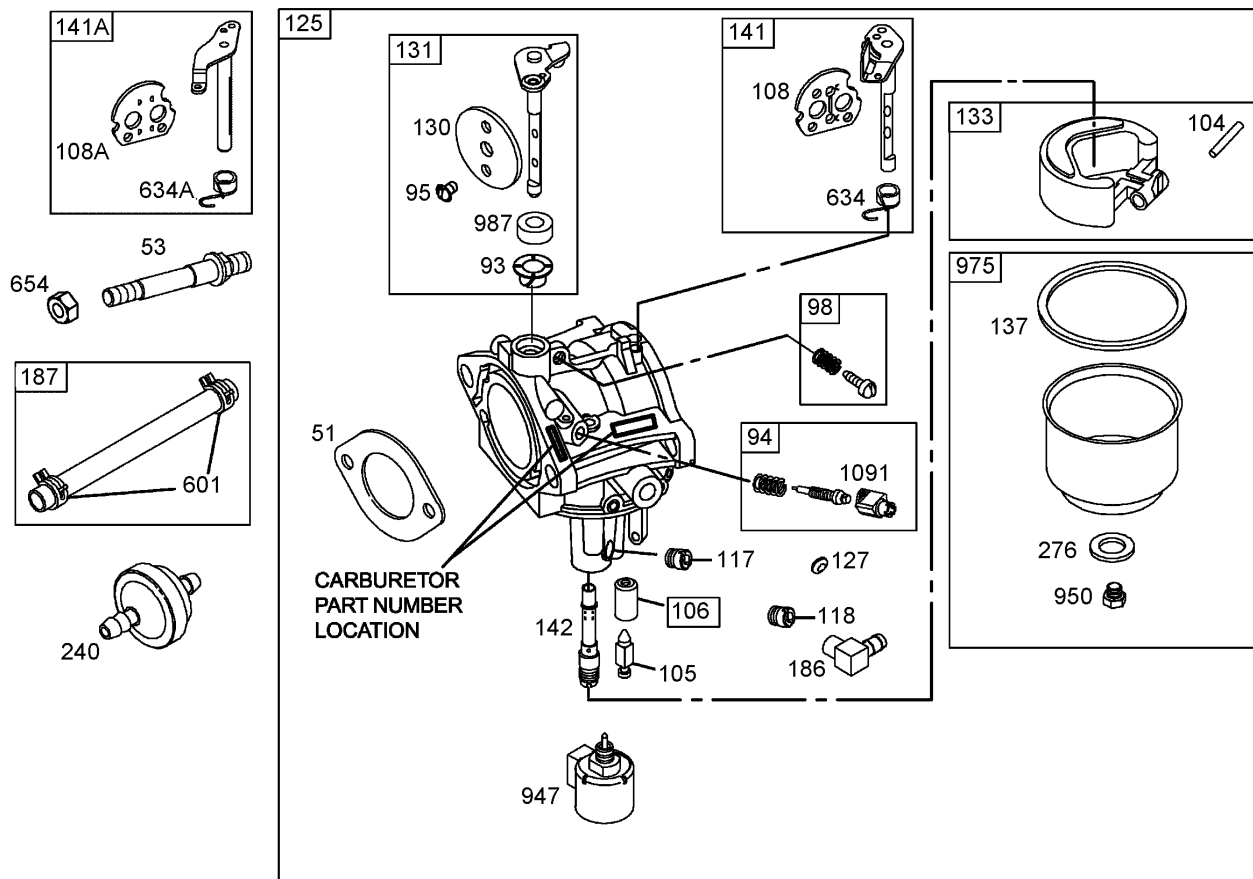
Crankcase Assembly
Briggs and Stratton 286H77-0165-E1

Ref	Part No.	Qty.	Description				
❶4	697188	1	Sump-Engine				
❶12	697110	1	Gasket-Crankcase				
❶15	691680	1	Plug-Drain, Oil				
❶20	690947	1	Seal-Oil				
❶22	692125	1	Screw (Engine Sump)				
❶415	690283	1	Plug-Oil				
❶43	691968	1	Slinger-Governor,Oil				
❶46	790400	1	Camshaft				
❶750	691033	1	Screw (Oil Pump Cover)				
❶943	690589	1	Seal, O-Ring				
❶965	499613	1	Cover-Pump, Oil				
❶1017	690770	1	Screen-Pump, Oil				
❶1024	499054	1	Pump-Oil				
❶1027	492932	1	Filter-Oil				
❶1032	491710	1	Ball-Pump, Oil				
❶1035	693784	1	Shaft-Pump, Oil				



Oil Filter, Tube and Pump Assembly Briggs and Stratton 286H77-0165-E1

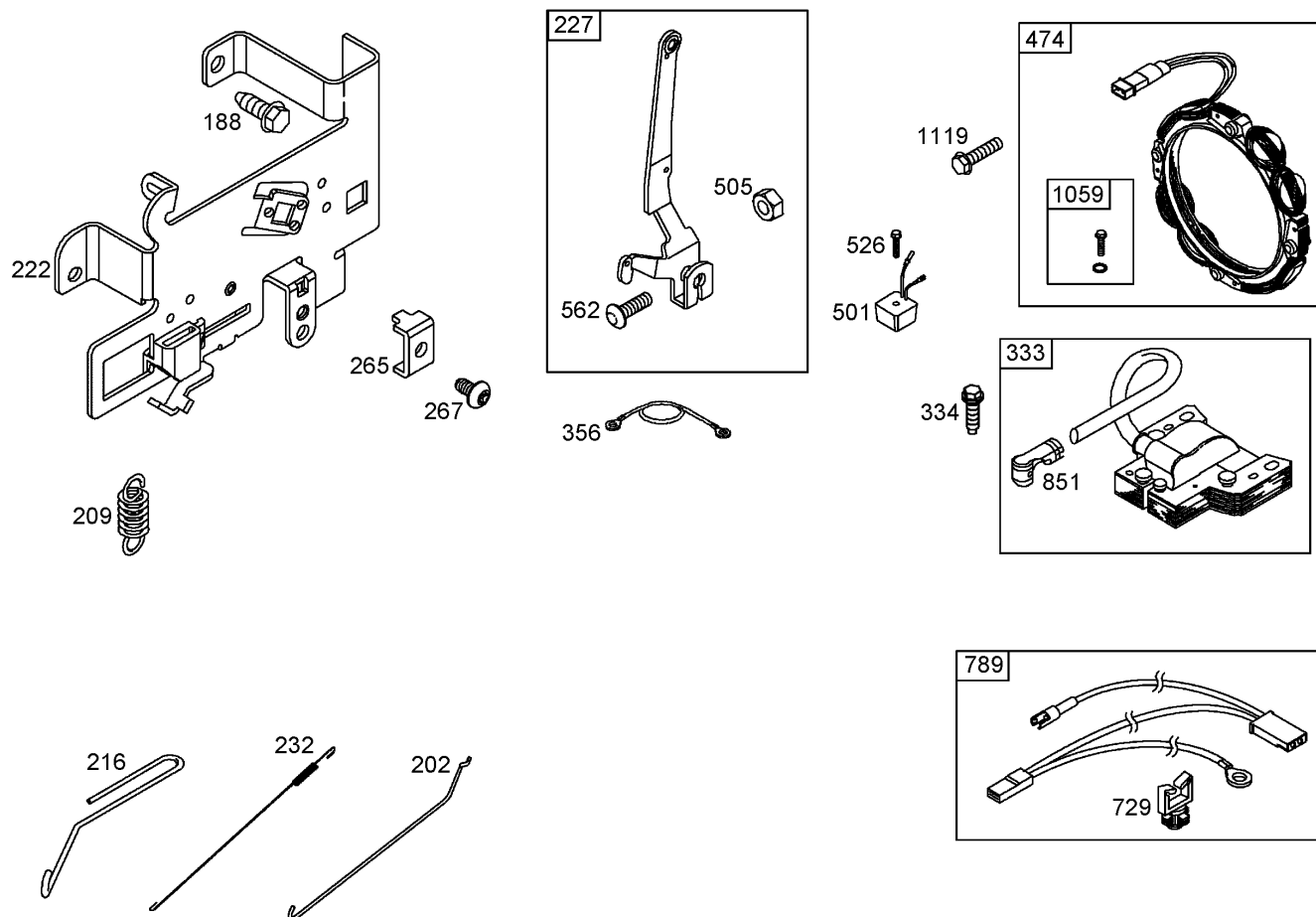
Ref	Part No.	Qty.	Description
523	699908	1	Dipstick
524	691032	1	Seal, O-Ring
525	697184	1	Tube-Dipstick
842	691031	1	Seal-O Ring
847	790442	1	Dipstick / Tube ASM



Carburetor Assembly

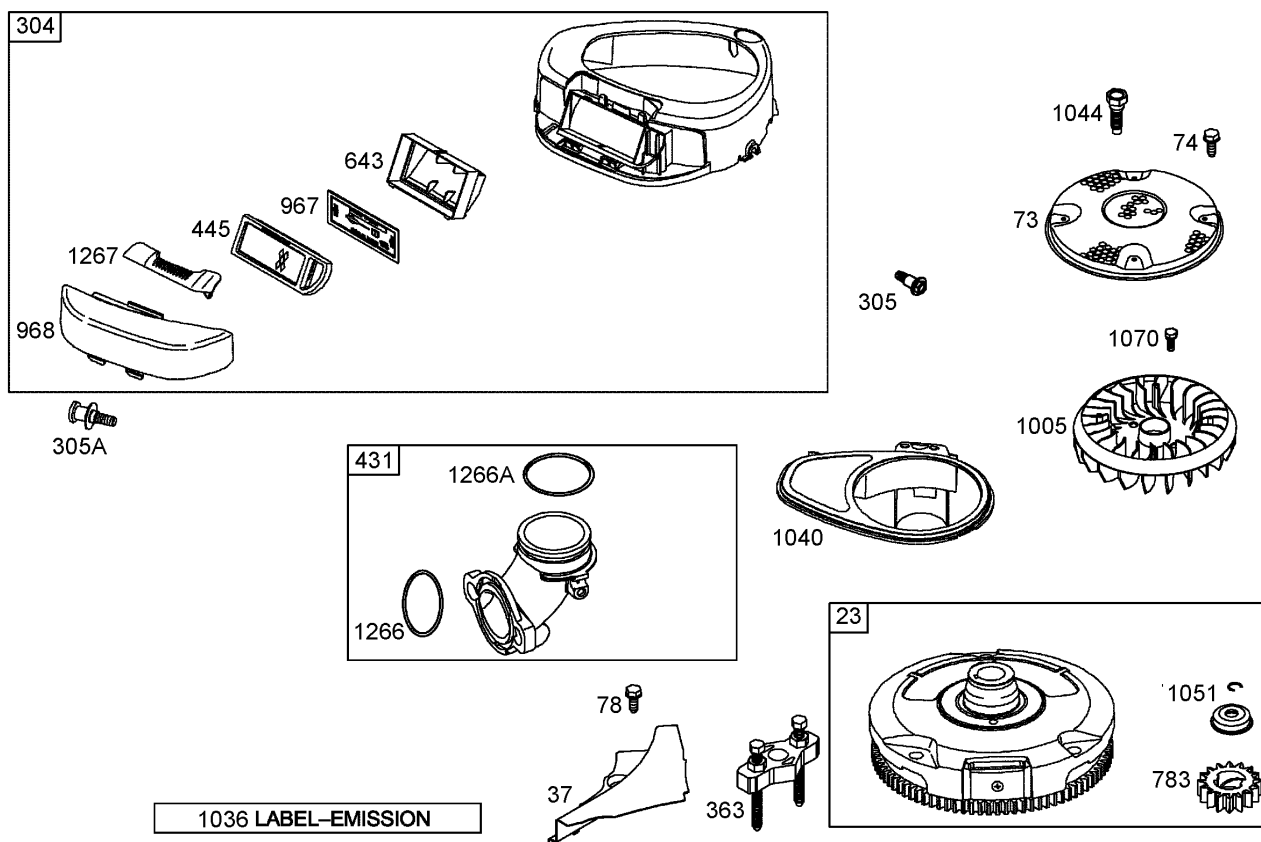
Briggs and Stratton 286H77-0165-E1

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
51	692137	1	Gasket-Intake	187	699931	1	Line-Fuel (Cut To Required Length)
53	690227	1	Stud (Carburetor)	240	394358	1	Filter-Fuel
93	690602	1	Bushing-Shaft, Throttle	276	692255	1	Washer-Sealing
94	498030	1	Idle Mixture Kit	601	95162	1	Clamp-Hose
95	691636	1	Screw (Throttle Valve)	634	690801	1	Spring / Seal ASM
98	495800	1	Idle Speed Kit	634A	690802	1	Spring And Seal ASM
104	690525	1	Pin-Hinge, Carburetor Float	654	690958	1	Nut (Carburetor)
105	231855	1	Valve-Needle, Float	947	694393	1	Solenoid-Fuel
106	690577	1	Seat-Inlet	950	691657	1	Screw (Float Bowl)
108	690464	1	Valve-Choke	975	495933	1	Bowl-Float
108A	692344	1	Valve-Choke (Choke A Matic)	987	691326	1	Seal-Shaft, Throttle
117	694352	1	Jet-Main (STD)	1091	691333	1	Cap-Limiter
118	697228	1	Jet-Main (High Altitude)				
125	698445	1	Carburetor				
127	695005	1	Plug-Welch				
130	691750	1	Valve-Throttle				
131	494379	1	Throttle Shaft Kit				
133	494381	1	Float-Carburetor				
137	281165	1	Gasket-Bowl, Float				
141	495097	1	Choke Shaft Kit (Manual Choke)				
141A	495931	1	Choke Shaft Kit (Choke A Matic)				
142	697140	1	Nozzle-Carburetor				
186	698174	1	Connector-Hose				



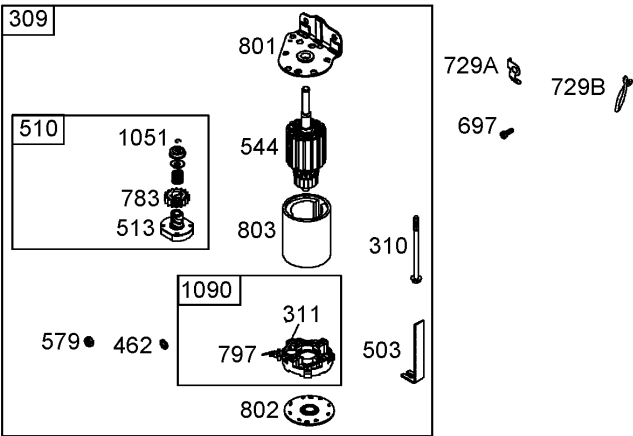
Governor Assembly Briggs and Stratton 286H77-0165-E1

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
● 188	691693	1	Screw (Control Bracket)	● 729	691335	1	Clip-Wire
● 202	691841	1	Link-Governor, Mechanical	● 789	692037	1	Wiring-Harness
● 209	692208	1	Spring-Governor	● 851	692424	1	Terminal-Spark Plug
● 216	691840	1	Link-Choke	● 1059	698516	1	Screw And Washer Kit
● 222	694042	1	Bracket-Control	● 1119	691183	1	Screw (Alternator)
● 227	691374	1	Lever-Control, Governor				
● 232	691842	1	Spring-Link, Governor				
● 265	691024	1	Clamp-Casing				
● 267	695134	1	Screw (Casing Clamp)				
● 333	492341	1	Armature-Magneto				
● 334	691061	1	Screw (Magneto Armature)				
● 356	697089	1	Stop-Wire				
● 474	696457	1	Alternator (Used After Code Date 03021600)				
●	696458	1	Alternator (Used Before Code Date 03021700)				
● 501	691188	1	Regulator (Used After Code Date 03021600)				
●	691185	1	Regulator (Used Before Code Date 03021700)				
● 505	691251	1	Nut (Governor Control Lever)				
● 526	697088	1	Screw (Used After Code Date 03021600)				
●	697348	1	Screw (Used Before Code Date 03021700)				
● 562	691119	1	Bolt (Governor Control Lever)				



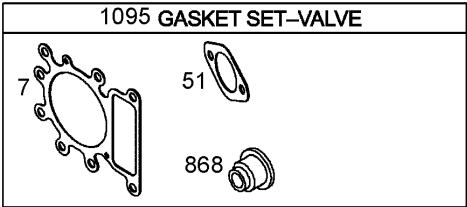
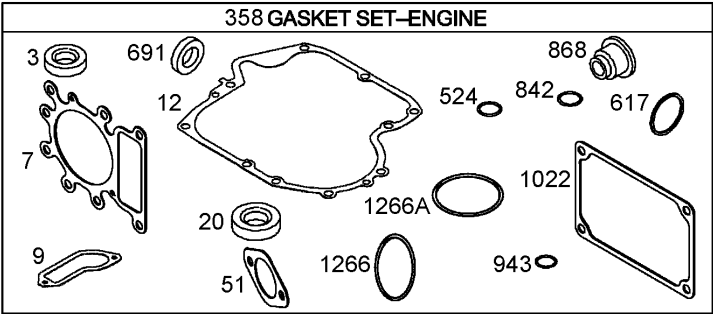
Blower Housing Assembly Briggs and Stratton 286H77-0165-E1

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
③23	693556	1	Flywheel	③1266	691917	1	Seal-O Ring
③37	697352	1	Guard-Flywheel	③1266A	697123	1	Seal-O Ring
③73	697133	1	Screen-Rotating	③1267	697419	1	Latch-Housing, Blower
③74	697897	1	Screw (Rotating Screen)				
③78	691003	1	Screw (Flywheel Guard)				
③304	698599	1	Housing-Blower				
③305	697102	1	Screw (Blower Housing)				
③305A	697103	1	Screw (Blower Housing)				
③363	19203	1	Puller-Flywheel				
③431	697122	1	Elbow-Intake				
③445	698083	1	Filter-Cartridge, Air Cleaner				
③643	698401	1	Retainer-Filter, Air				
③783	693713	1	Gear-Pinion				
③967	697015	1	Filter-Cleaner, Pre				
③968	697084	1	Cover-Cleaner, Air				
③1005	699043	1	Fan-Flywheel				
③1036	790464	1	Label-Emission (Used After Code Date 04063000)				
③	695700	1	Label-Emission (Used Before Code Date 04070100)				
③1040	699852	1	Plate-Trim				
③1044	698139	1	Screw (Crankshaft Extension)				
③1051	691265	1	Ring-Retaining				
③1070	690372	1	Screw (Flywheel Fan)				



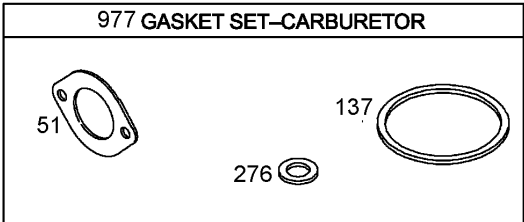
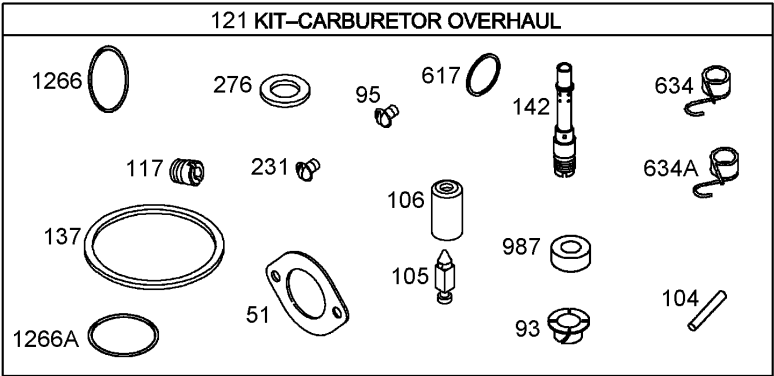
Starter Assembly
Briggs and Stratton 286H77-0165-E1

Ref	Part No.	Qty.	Description				
309	693551	1	Motor-Starter				
310	690323	1	Bolt (Starter Motor)				
311	497608	1	Brush Set				
462	691261	1	Washer (Brush Retainer)				
503	691532	1	Strap-Starter				
510	693699	1	Drive-Starter				
513	692024	1	Clutch-Drive				
544	692034	1	Armature-Starter				
579	691029	1	Nut (Brush Retainer)				
697	690372	1	Screw (Drive Cap)				
729A	691224	1	Clip-Wire				
729B	694123	1	Clip-Wire				
783	693713	1	Gear-Pinion				
797	693167	1	Nut (Brush Retainer)				
801	691283	1	Cap-Drive				
802	691286	1	Cap-End				
803	693757	1	Housing-Starter				
1051	691265	1	Ring-Retaining				
1090	691293	1	Retainer-Brush				



Gasket Assembly
Briggs and Stratton 286H77-0165-E1

Ref	Part No.	Qty.	Description				
3	391086	1	Seal-Oil				
7	273280	1	Gasket-Head, Cylinder				
9	697109	1	Gasket-Breather				
12	697110	1	Gasket-Crankcase				
20	690947	1	Seal-Oil				
51	692137	1	Gasket-Intake				
358	697151	1	Engine Gasket Set				
617	692138	1	Seal-O Ring				
524	691032	1	Seal, O-Ring				
691	692407	1	Seal-Shaft, Governor				
842	691031	1	Seal-O Ring				
868	690968	1	Seal-Valve				
943	690589	1	Seal, O-Ring				
1022	272475	1	Gasket-Cover, Rocker				
1095	691581	1	Valve Gasket Set				
1266	691917	1	Seal-O Ring				
1266A	697123	1	Seal-O Ring				



Carburetor Overhaul Kit

Briggs and Stratton 286H77-0165-E1

Ref	Part No.	Qty.	Description				
❶51	692137	1	Gasket-Intake				
❶93	690602	1	Bushing-Shaft, Throttle				
❶95	691636	1	Screw (Throttle Valve)				
❶104	690525	1	Pin-Hinge, Carburetor Float				
❶105	231855	1	Valve-Needle, Float				
❶106	690577	1	Seat-Inlet				
❶117	694352	1	Jet-Main (STD)				
❶121	697154	1	Carburetor Overhaul Kit				
❶137	281165	1	Gasket-Bowl, Float				
❶142	697140	1	Nozzle-Carburetor				
❶231	691636	1	Screw (Choke Valve)				
❶276	692255	1	Washer-Sealing				
❶617	692138	1	Seal-O Ring				
❶634	690801	1	Spring / Seal ASM				
❶634A	690802	1	Spring And Seal ASM				
❶977	690192	1	Carburetor Gasket Set				
❶987	691326	1	Seal-Shaft, Throttle				
❶1266	691917	1	Seal-O Ring				
❶1266A	697123	1	Seal-O Ring				

Attachments and Accessories

For 81229 - Precision Z330 LX Riding Mower

Product Name	Model/Part
Tire Chains	107-1738
Light Kit	108-6160
Smooth Tire Kit	108-8501
42 Inch Twin Bagger	62560
48 Inch Snow Blade	63600

NOTES

NOTES

