



Precision Z310 Riding Mower

Model No. 81228 - 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.

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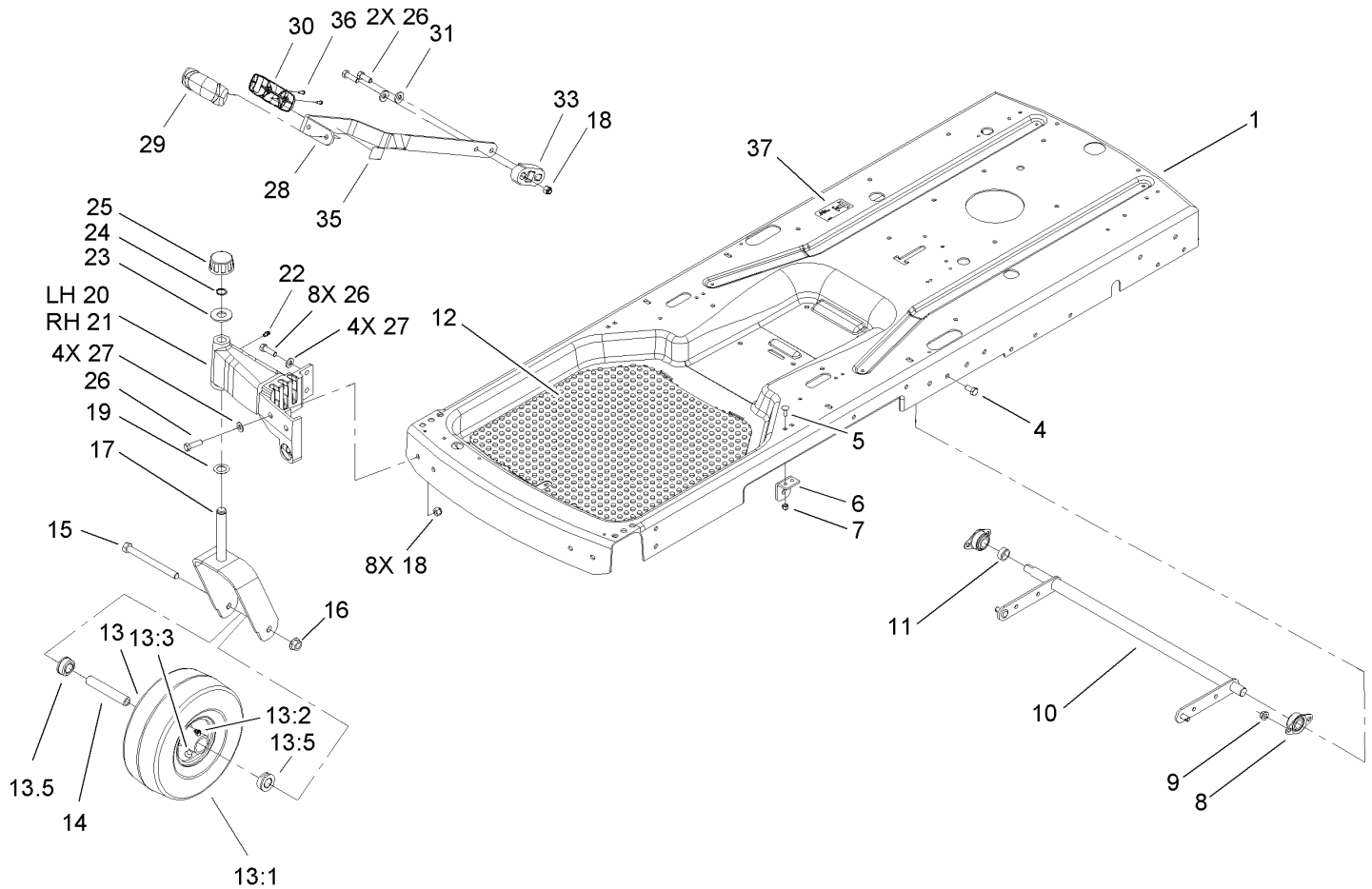
Part Description Abbreviations

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

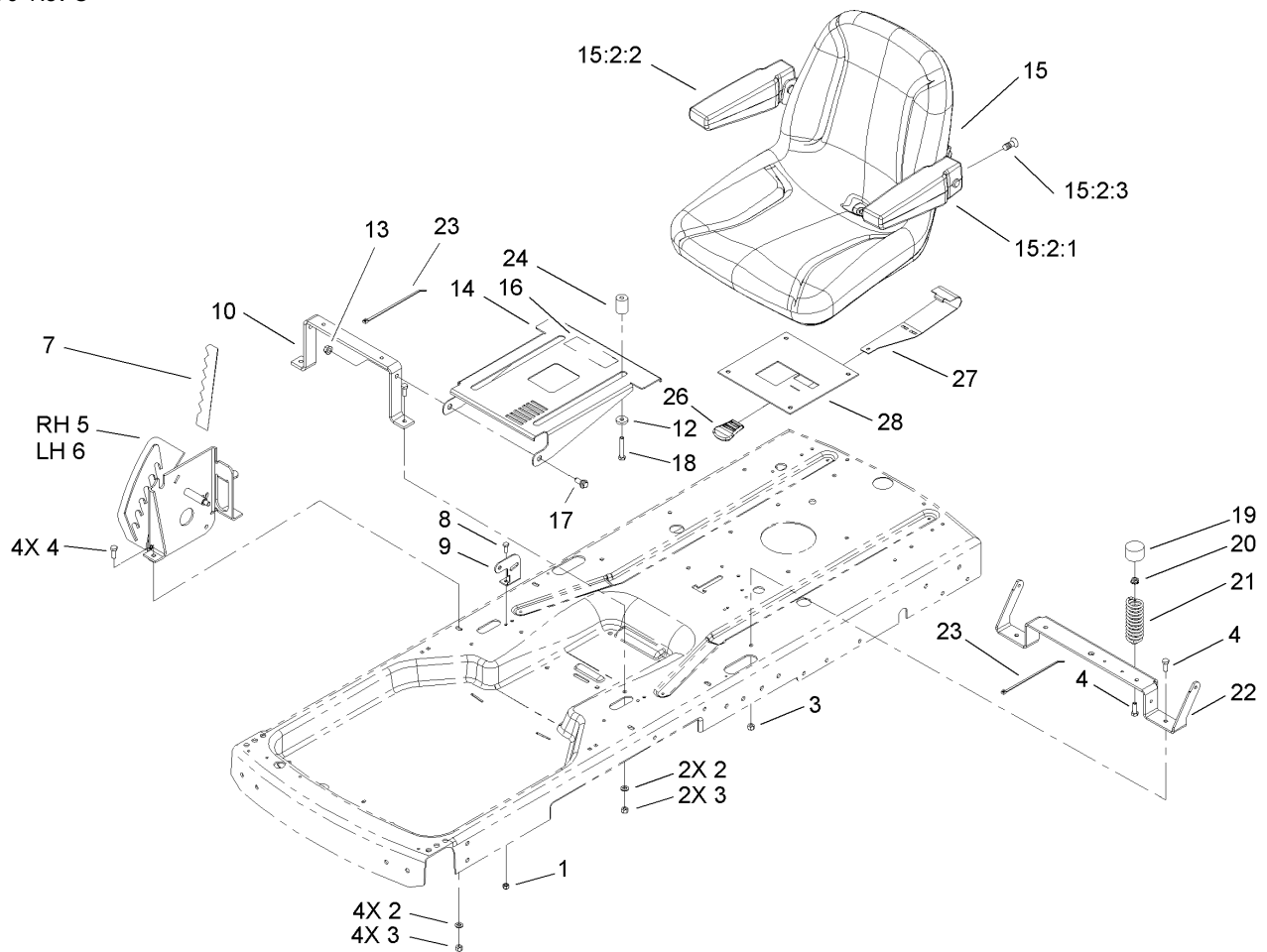
- | | |
|---|---|
| ❶ Not illustrated | ❷ Not serviced separately |
| ❸ Included in Engine Gasket Set-Ref. 358. | ❹ Included in Valve Gasket Set-Ref. 1095. |
| ❺ Included in Carburetor Overhaul Kit-Ref. 121. | ❻ Included in Carburetor Gasket Set-Ref. 977. |
| ❼ Obtain from your local Briggs & Stratton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

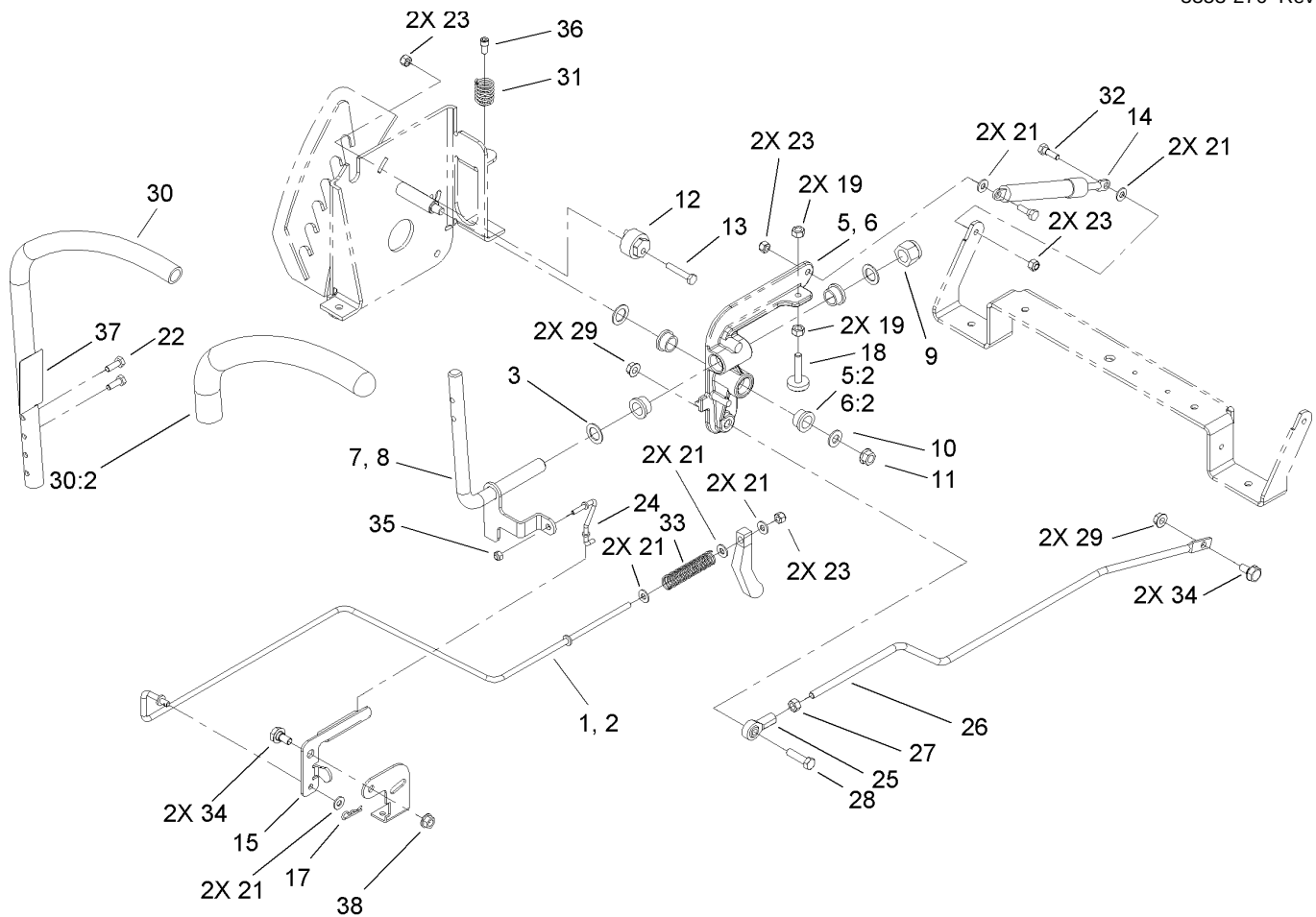
Ref	Part No.	Qty.	Description
22	302-5	2	Fitting-Grease
23	28-2480	2	Washer
24	32151-103	2	Ring-Snap
25	61-9780	2	Cap-Hub
26	323-18	10	Screw-HH
27	3256-24	8	Washer-Flat
28	108-2317-03	1	Lever-Lift
29	108-2318	1	Handle-Top
30	108-2319	1	Handle-Bottom
31	98-5975	2	Washer-Belleville
33	106-2211	1	Block-Lift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

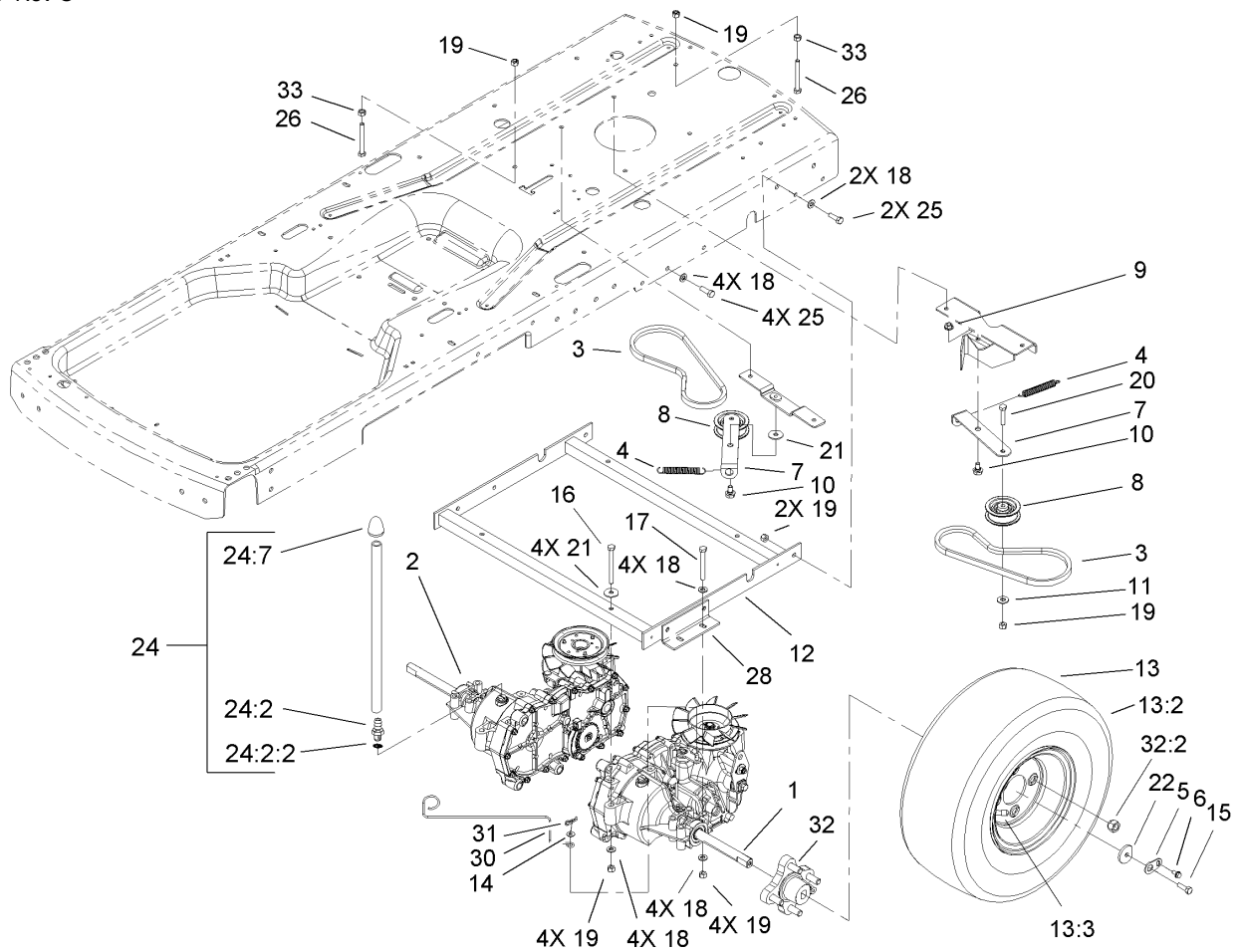
Ref	Part No.	Qty.	Description
23	614249	2	Strap-Tie
24	108-2301	4	Spacer
26	107-1904	1	Knob-Lever, HOC
27	108-2302	1	Latch-Seat
28	108-7175-03	1	Mount-Latch, Seat



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

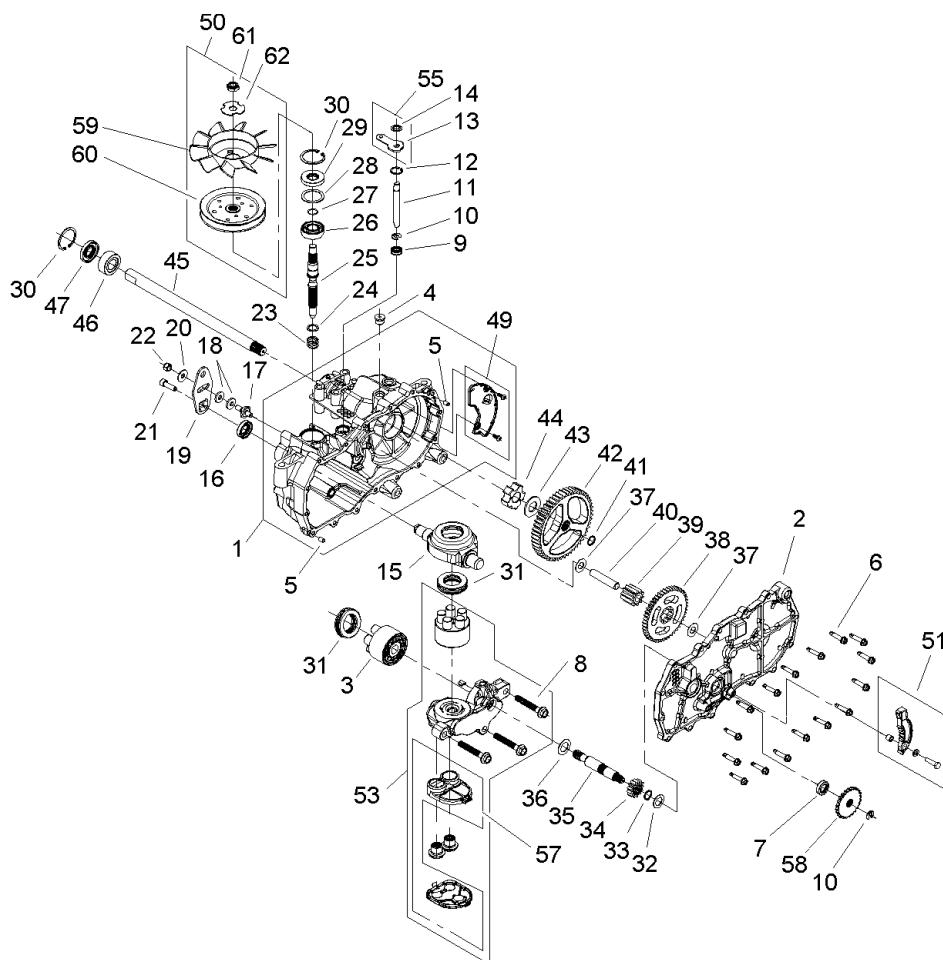
Ref	Part No.	Qty.	Description
26	105-7048	2	Rod-Hydro
27	3219-2	2	Nut-Hex
28	322-6	2	Screw-HH
29	32128-20	4	Nut-HF
30	108-6117	2	Handle ASM
30:2	108-6187	1	Grip
31	105-3469	2	Spring-Compression
32	106-2214	4	Bolt-Shoulder
33	105-3465	2	Spring-Compression
34	37-8771	4	Bolt-Shoulder
35	3296-2	2	Nut-Lock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



Hydro and Belt Drive Assembly

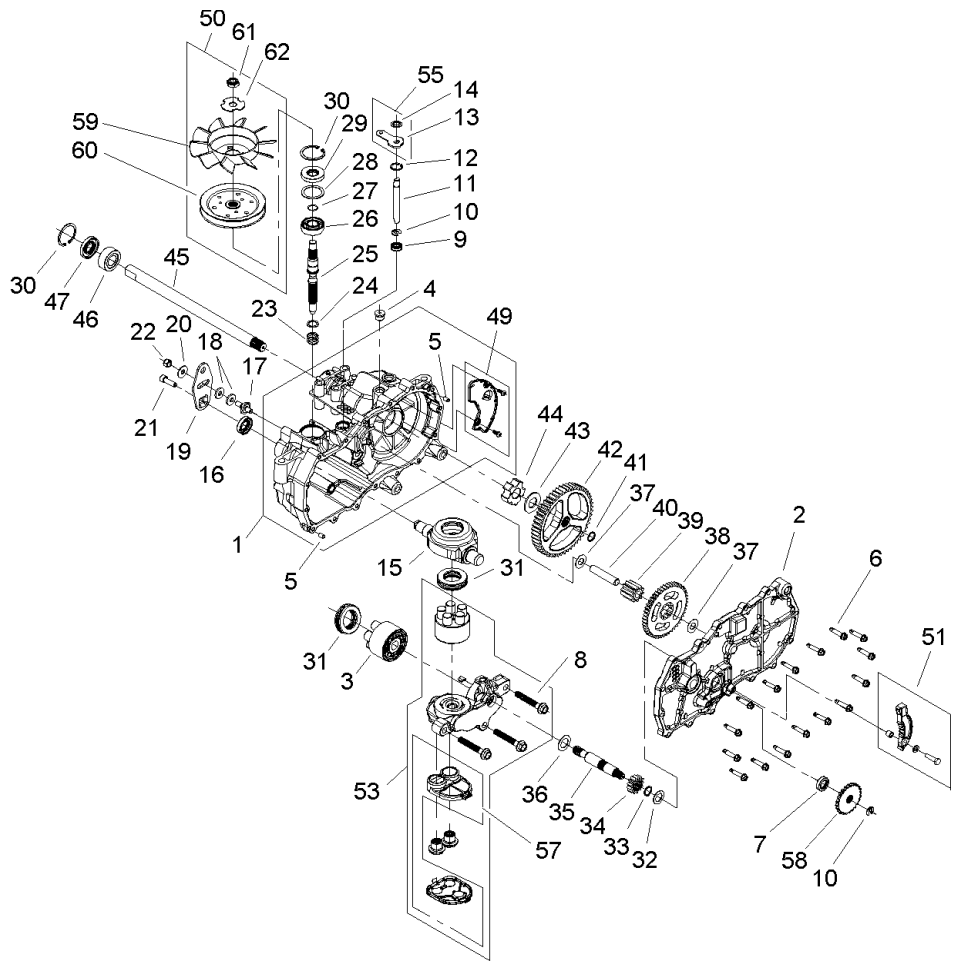
Ref	Part No.	Qty.	Description
1	108-2394	1	Transaxle-Hydro, LH
2	108-2393	1	Transaxle-Hydro, RH
3	106-2174	2	V-Belt
4	95-3805	2	Spring
5	105-3438	2	Tab-Locking
6	3234-13	2	Screw-HHF
7	105-7047	2	Arm-Idler
8	106-2176	2	Pulley-Idler
9	32128-25	1	Nut-HF
10	37-8770	2	Bolt-Shoulder
11	3256-3	2	Washer-Flat
12	107-4878-03	1	Hydro Mount ASM
13	108-6127	2	Wheel And Tire ASM
13:2	105-3496	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



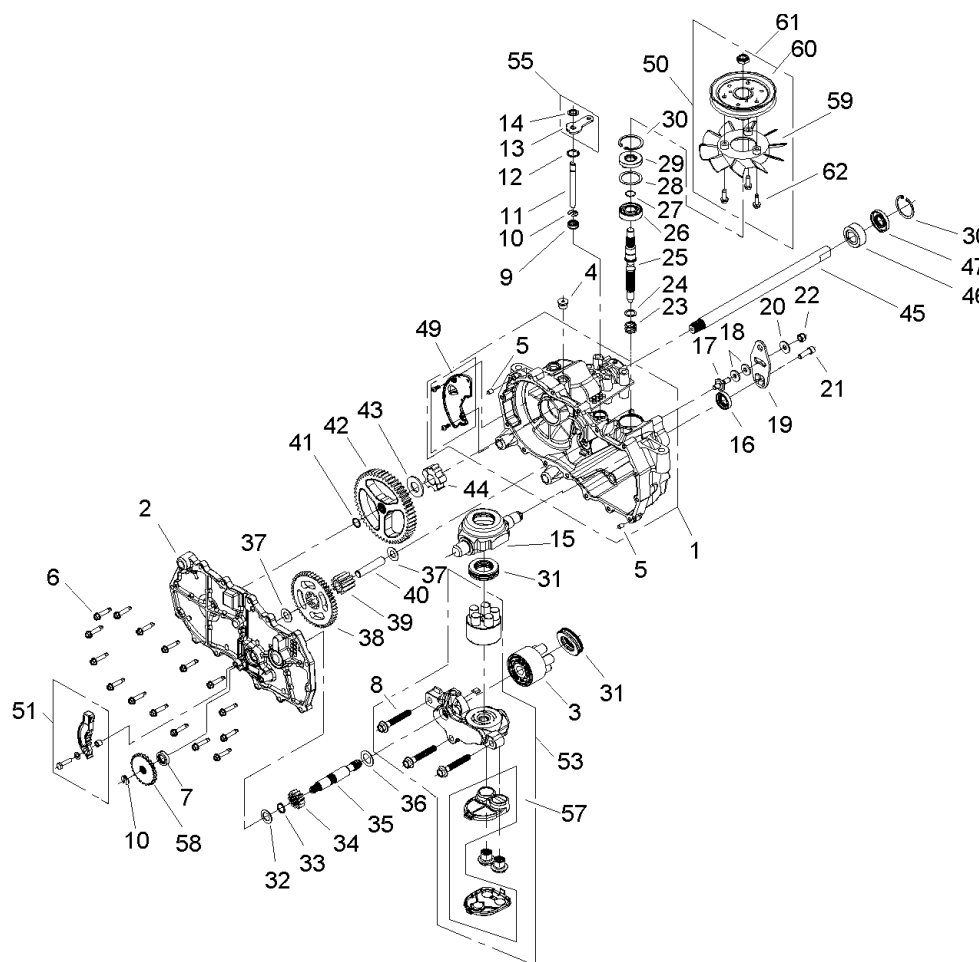
LH Hydrostat Assembly Part No. 108-2394

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	106-8695	1	RH Main Housing ASM	24	94-1937	1	Washer-Block, Thrust
2	106-8696	1	RH Side ASM	25	104-5306	1	Shaft-Input
3	104-2106	1	Cylinder Block ASM	26	104-5311	1	Bearing-Ball
4	104-2189	1	Plug-Thread, Straight	27	104-5307	1	Ring-Retaining
5	9004800-2506	2	Pin-Hydrogear	28	104-5308	1	Spacer
6	104-5305	16	Screw-HHF	29	104-5310	1	Seal-Lip
7	104-5347	1	Seal-Oil	30	104-5309	2	Ring-Retaining
8	94-6926	3	Bolt	31	94-6922	2	Bearing-Thrust
9	106-8676	1	Seal-Lip	32	104-5339	1	Washer-Flat
10	106-8677	2	Ring-Retaining, EXT	33	104-5340	1	Ring-Retaining
11	106-8678	1	Rod-Bypass	34	104-5316	1	Gear-Pinnion, 13T
12	106-8679	1	Ring-Retaining, Int	35	106-8683	1	Shaft-Motor
13	107-2490	1	Arm-Bypass	36	104-5360	1	Washer-Shaft, Motor
14	106-8681	1	Ring-Retaining, EXT	37	94-1933	2	Washer
15	104-5304	1	Swashplate-Trunnion	38	104-5317	1	Gear
16	104-5313	1	Seal-Lip	39	104-5318	1	Gear-Jackshaft, 10T
17	104-2116	1	Stud	40	104-5329	1	Pin-Jackshaft
18	105-1873	2	Puck-Friction	41	104-5328	1	Ring-Retaining, Spiral
19	106-8747	1	Arm-Control	42	106-8684	1	Gear-Bull, 52T
20	5-4460	1	Washer-Pivot	43	94-1943	1	Washer
21	107-2488	1	Screw	44	104-5320	1	Bearing-Sleeve
22	105-1872	1	Nut	45	106-8685	1	Axle
23	94-1936	1	Spring-Block	46	104-5321	1	Bearing-Sleeve, Outboard
				47	104-5322	1	Seal-Lip



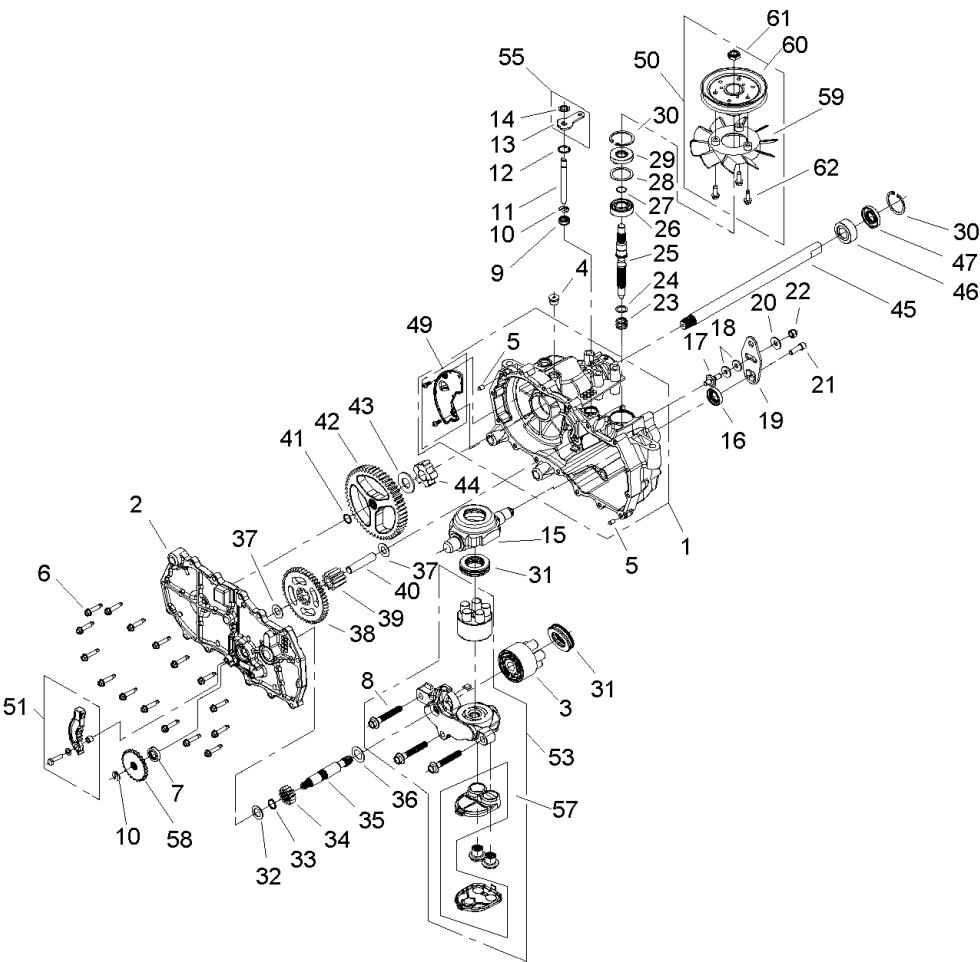
LH Hydrostat Assembly Part No. 108-2394 (continued)

Ref	Part No.	Qty.	Description				
❶48	106-8686	1	Seal Kit				
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				



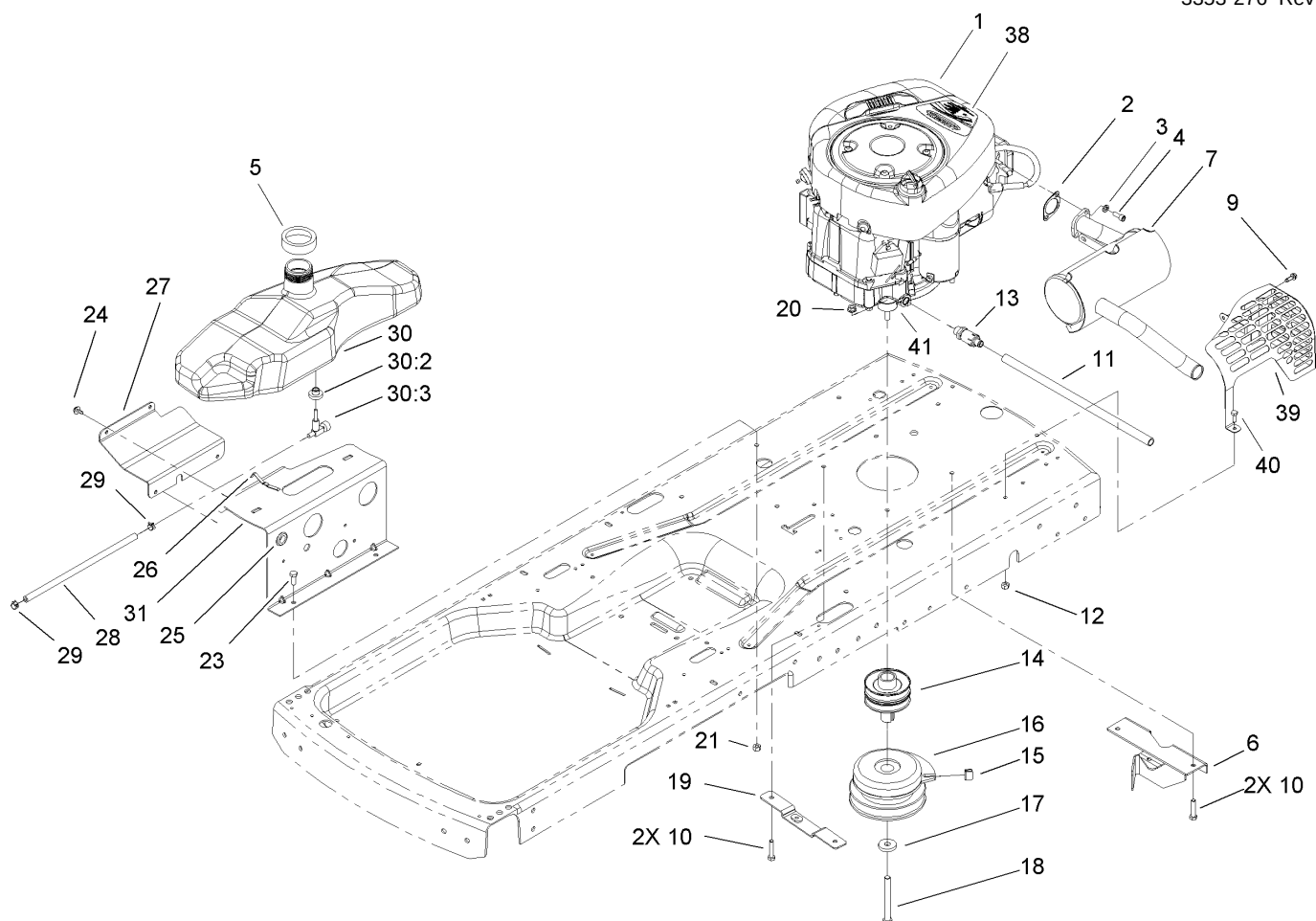
RH Hydrostat Assembly Part No. 108-2393

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	106-8674	1	LH Main Housing ASM	24	94-1937	1	Washer-Block, Thrust
2	106-8675	1	LH Side ASM	25	104-5306	1	Shaft-Input
3	104-2106	1	Cylinder Block ASM	26	104-5311	1	Bearing-Ball
4	104-2189	1	Plug-Thread, Straight	27	104-5307	1	Ring-Retaining
5	9004800-2506	2	Pin-Hydrogear	28	104-5308	1	Spacer
6	104-5305	16	Screw-HHF	29	104-5310	1	Seal-Lip
7	104-5347	1	Seal-Oil	30	104-5309	2	Ring-Retaining
8	94-6926	3	Bolt	31	94-6922	2	Bearing-Thrust
9	106-8676	1	Seal-Lip	32	104-5339	1	Washer-Flat
10	106-8677	2	Ring-Retaining, EXT	33	104-5340	1	Ring-Retaining
11	106-8678	1	Rod-Bypass	34	104-5316	1	Gear-Pinnion, 13T
12	106-8679	1	Ring-Retaining, Int	35	106-8683	1	Shaft-Motor
13	107-2490	1	Arm-Bypass	36	104-5360	1	Washer-Shaft, Motor
14	106-8681	1	Ring-Retaining, EXT	37	94-1933	2	Washer
15	104-5304	1	Swashplate-Trunnion	38	104-5317	1	Gear
16	104-5313	1	Seal-Lip	39	104-5318	1	Gear-Jackshaft, 10T
17	104-2116	1	Stud	40	104-5329	1	Pin-Jackshaft
18	105-1873	2	Puck-Friction	41	104-5328	1	Ring-Retaining, Spiral
19	106-8747	1	Arm-Control	42	106-8684	1	Gear-Bull, 52T
20	5-4460	1	Washer-Pivot	43	94-1943	1	Washer
21	107-2488	1	Screw	44	104-5320	1	Bearing-Sleeve
22	105-1872	1	Nut	45	106-8685	1	Axle
23	94-1936	1	Spring-Block	46	104-5321	1	Bearing-Sleeve, Outboard
				47	104-5322	1	Seal-Lip



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

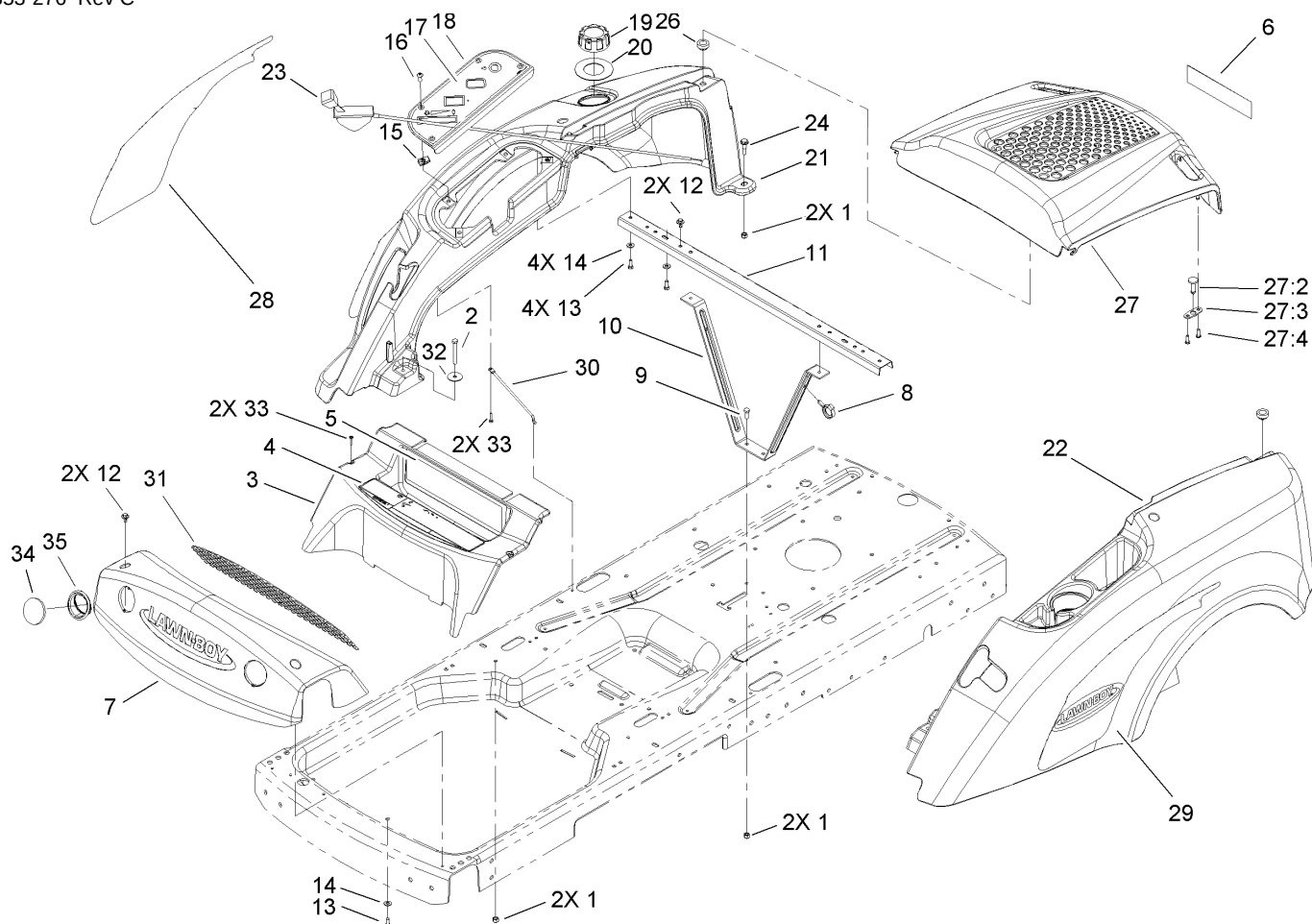
Ref	Part No.	Qty.	Description				
❶48	106-8686	1	Seal Kit				
49	106-8687	1	LH Expansion Plate Kit				
50	105-1928	1	Fan Pulley Kit				
51	106-8688	1	Brake Arm Kit				
53	108-6189	1	LH 7-Piston Center Section Kit				
❶54	104-2147	1	Sealant				
55	107-2489	1	Bypass Arm Kit				
57	106-8693	1	Filter Kit				
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				



Engine Assembly

Ref	Part No.	Qty.	Description
1		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
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	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

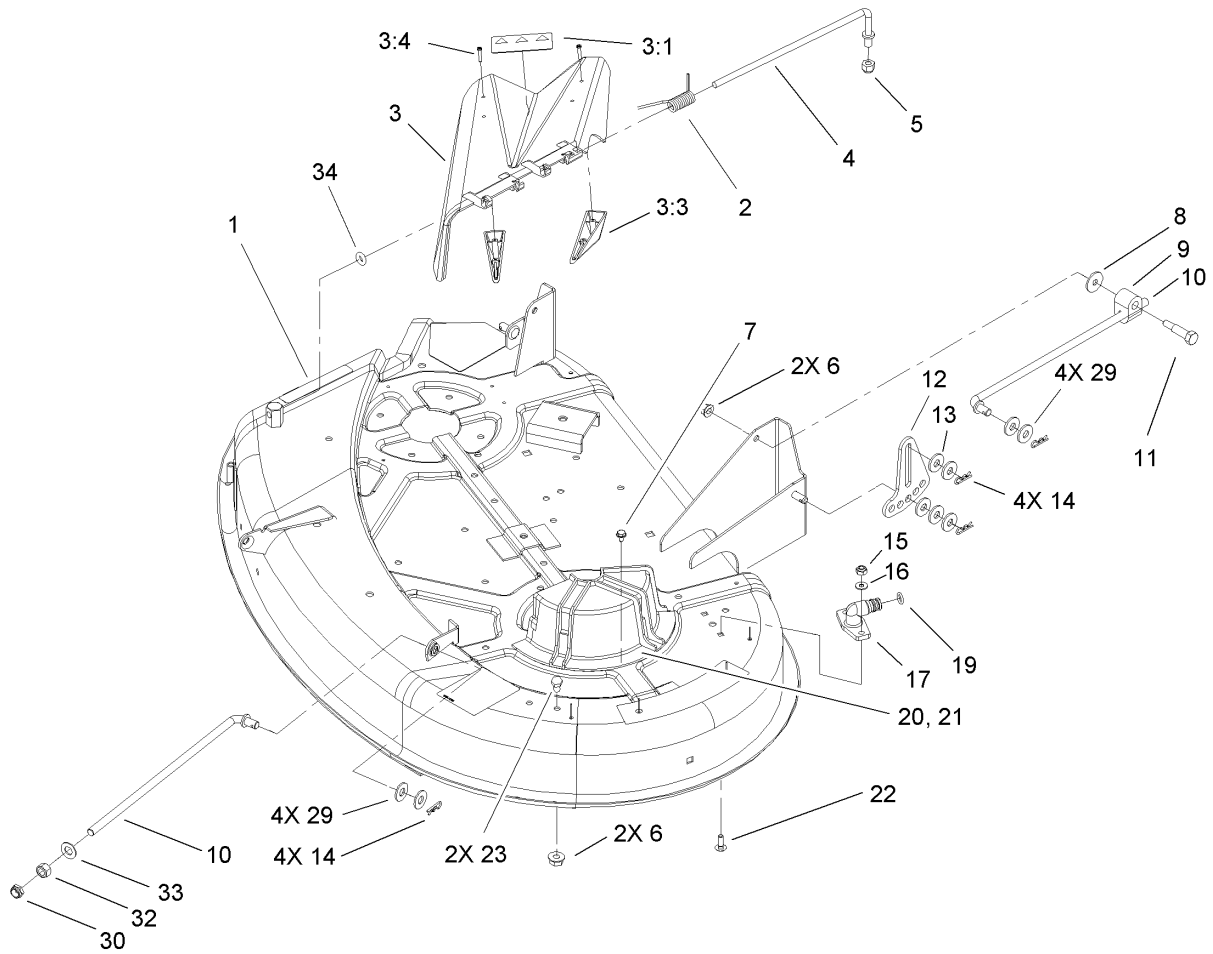
Ref	Part No.	Qty.	Description
26	609830	2	Spring
27	108-2315-03	1	Plate-Support
28	106-8720	1	Hose-Fuel
29	2412-98	2	Clamp
30	107-9172	1	Fuel Tank ASM
30:2	46-6560	1	Bushing
30:3	104048	1	Valve-Fuel
31	108-2314-03	1	Plate-Tank
38	108-8528	1	Decal-Engine
39	106-7028-03	1	Guard-Muffler
40	321-4	1	Screw-HH
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	108-6145	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

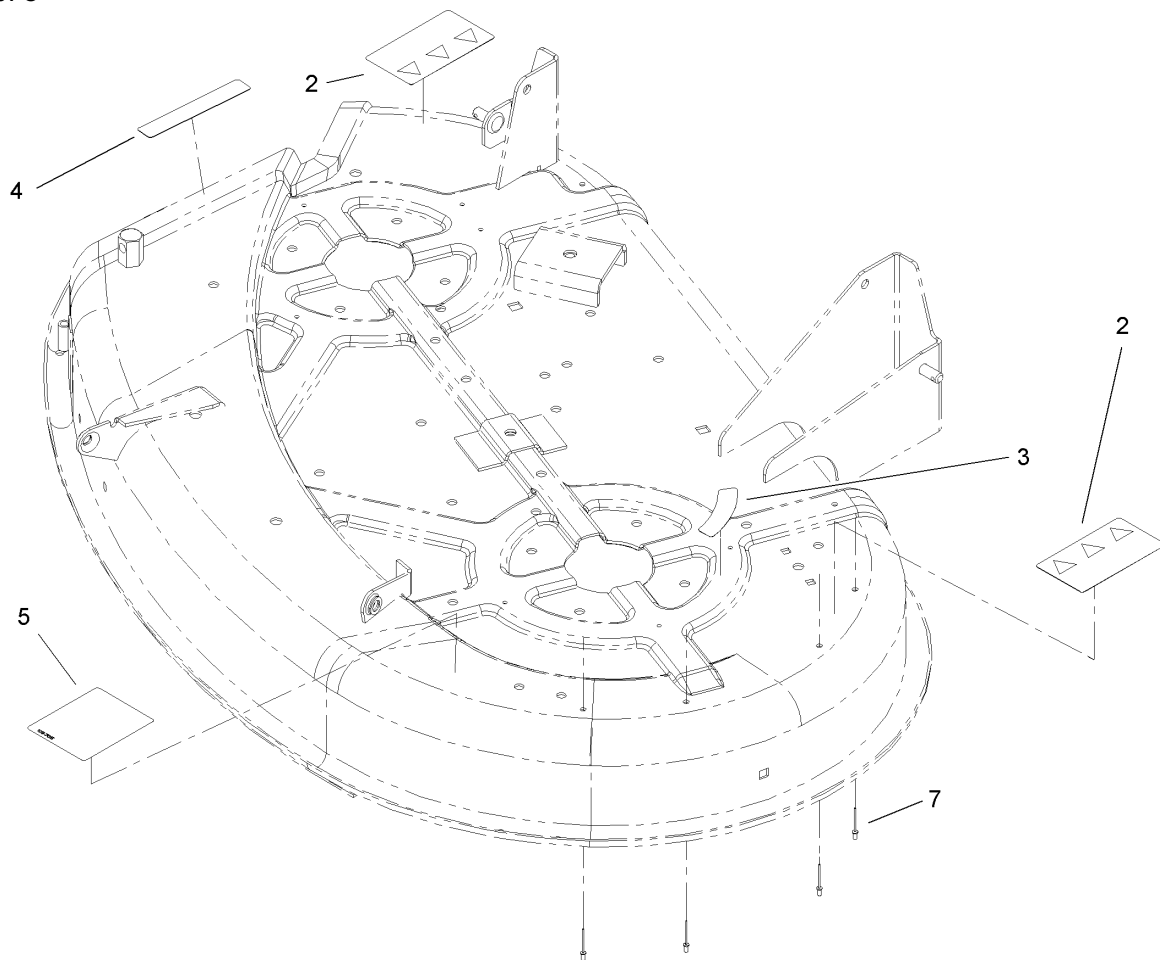
Ref	Part No.	Qty.	Description
26	108-2305	2	Grommet
27	108-2334	1	Hood Cover ASM
27:2	107-9198	2	Pin-Hood
27:3	107-9199	2	Plate
27:4	94-6961	4	Screw
28	108-6142	1	Decal
29	108-6143	1	Decal
30	108-2391	2	Rod-Support
31	108-6162	1	Footmat-Footrest
32	3256-58	2	Washer-Flat
33	94-4496	4	Screw-PPH
34	108-7121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



38in Deck Assembly

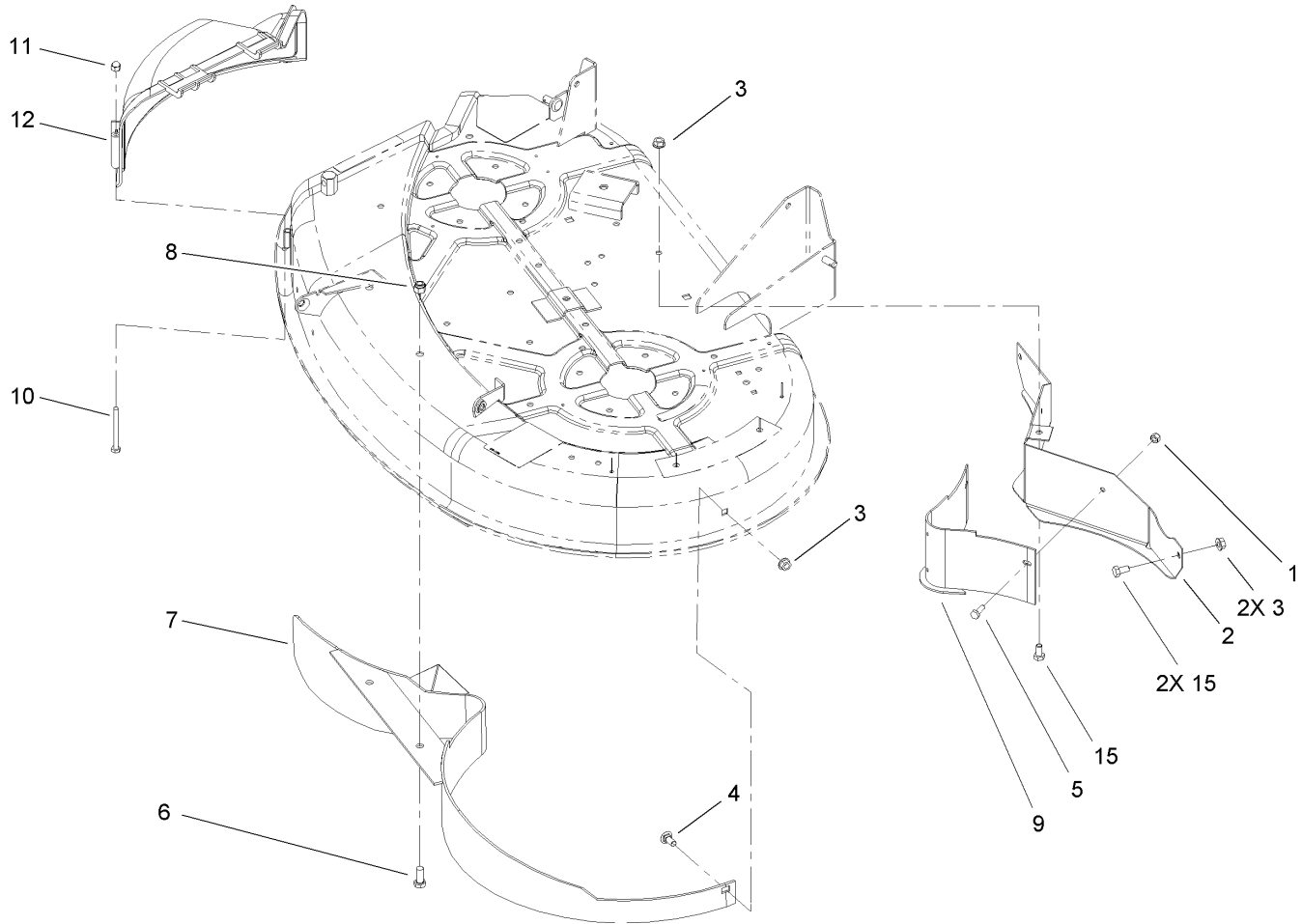
Ref	Part No.	Qty.	Description
1	108-8598	1	38 In Deck ASM
2	57-6950	1	Spring
3	93-7695	1	Deflector ASM
3:1	93-7010	1	Decal-Danger
3:3	93-7696	2	Kicker
3:4	93-0231	4	Screw-PPH
4	95-1661	1	Rod-Pivot
5	3296-39	1	Nut-Lock, NI
6	32128-25	4	Nut-HF
7	32104-76	5	Screw
8	5-4460	2	Washer-Pivot
9	88-4230	2	Trunnion-HOC
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
19	46-6290	1	O-Ring
20	88-4030	1	Guide-Belt, Deck (LH)
21	88-4020	1	Guide-Belt, Deck (RH)
22	3229-1	2	Screw-CARR

Ref	Part No.	Qty.	Description
23	322-2	2	Screw-HH
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



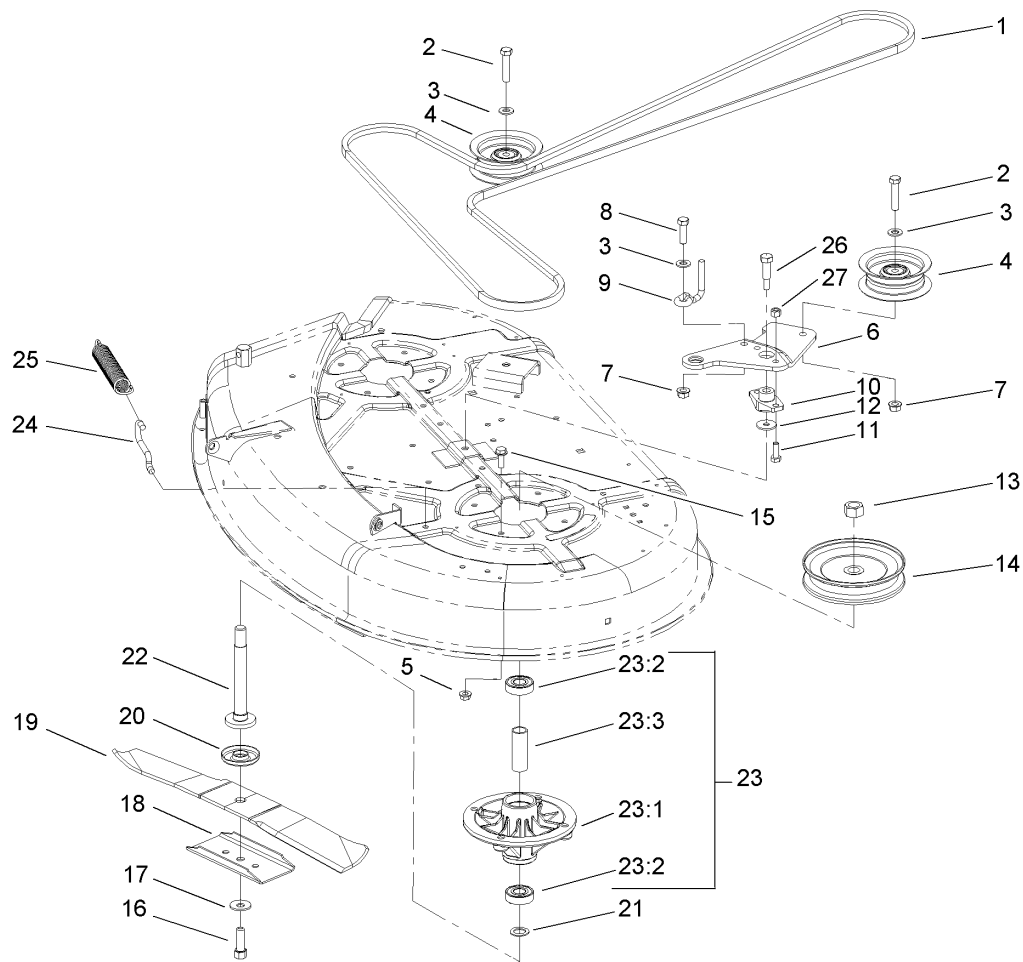
Deck Decal Assembly

Ref	Part No.	Qty.	Description
2	93-7010	2	Decal-Danger
3	93-6677	1	Decal-Shield, Danger
4	93-7009	1	Decal-Danger
5	105-7015	1	Decal-Routing, Belt
7	3290-282	4	Rivet-Pop



38in Mulch Assembly

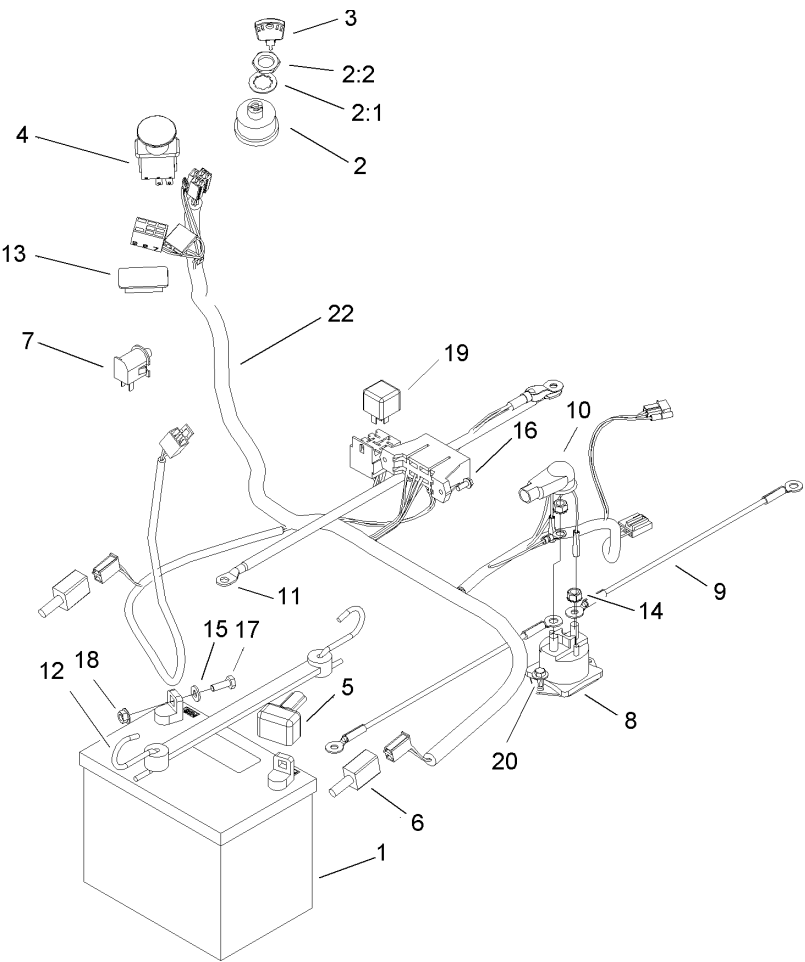
Ref	Part No.	Qty.	Description				
1	3296-42	2	Nut-Lock, NI				
2	107-2484-03	1	Baffle-Rear				
3	32128-25	4	Nut-HF				
4	3230-1	1	Bolt-CARR				
5	321-4	2	Screw-HH				
6	323-5	2	Screw-HH				
7	88-6210-03	1	Baffle				
8	3296-39	2	Nut-Lock, NI				
9	79-1640-03	1	Baffle ASM				
10	321-55	2	Screw-HH				
11	32111-7	2	Nut-Cap				
12	88-4520	1	Cover-Discharge, Deck				
15	322-2	3	Screw-HH				



38in Deck Spindle and Belt Drive Assembly

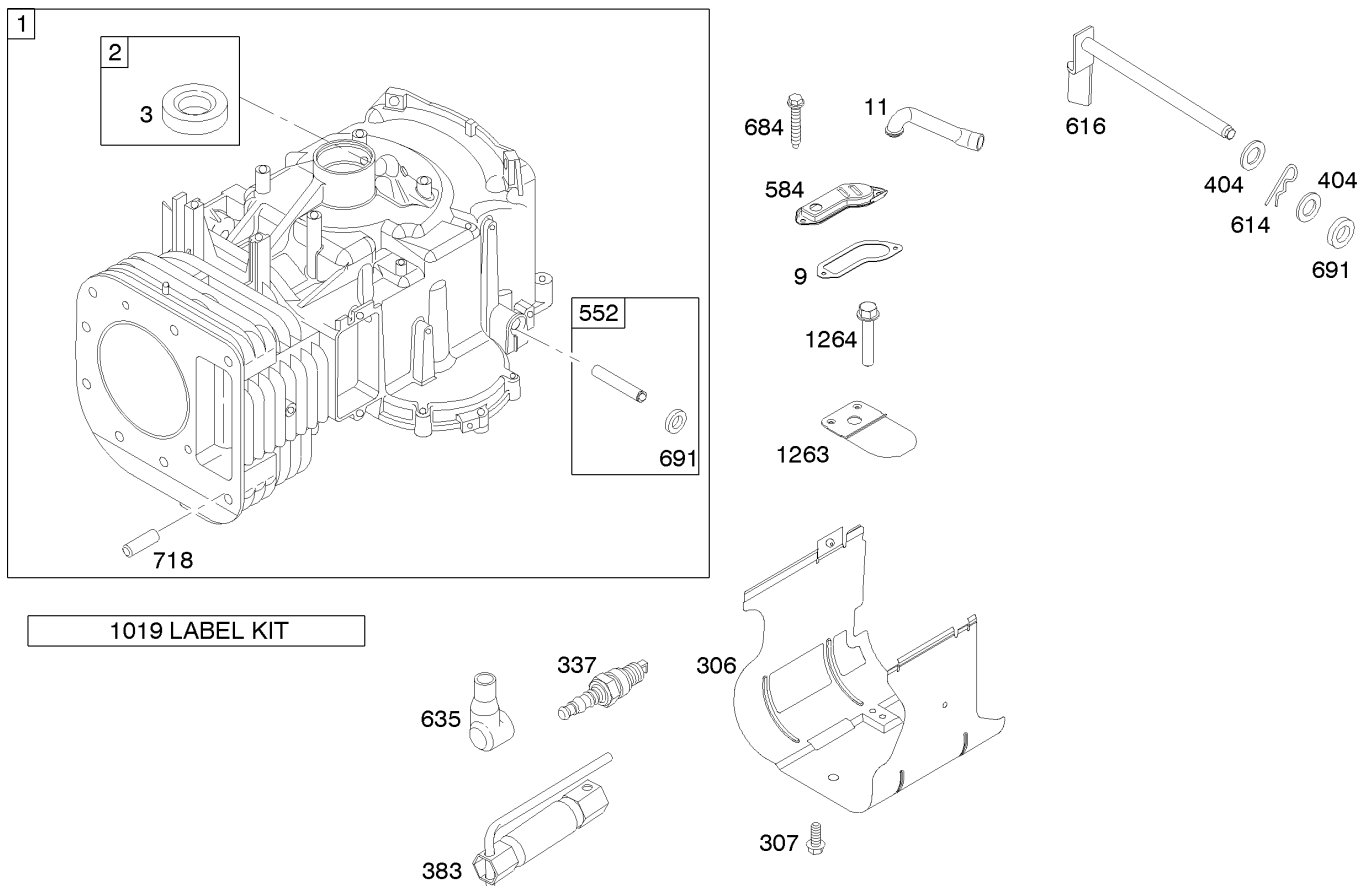
Ref	Part No.	Qty.	Description
1	106-2173	1	Belt-V
2	323-9	2	Screw-HH
3	3256-24	3	Washer-Flat
4	106-2175	2	Pulley-Idler, Flat
5	32128-25	1	Nut-HF
6	107-2467-03	1	Arm-Idler
7	32128-21	2	Nut-HF
8	323-7	1	Screw-HH
9	107-7307	1	Guide-Idler, Belt
10	88-4980	1	Bushing-Arm, Idler
11	322-4	2	Screw-HH
12	5-4460	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
23		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-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				

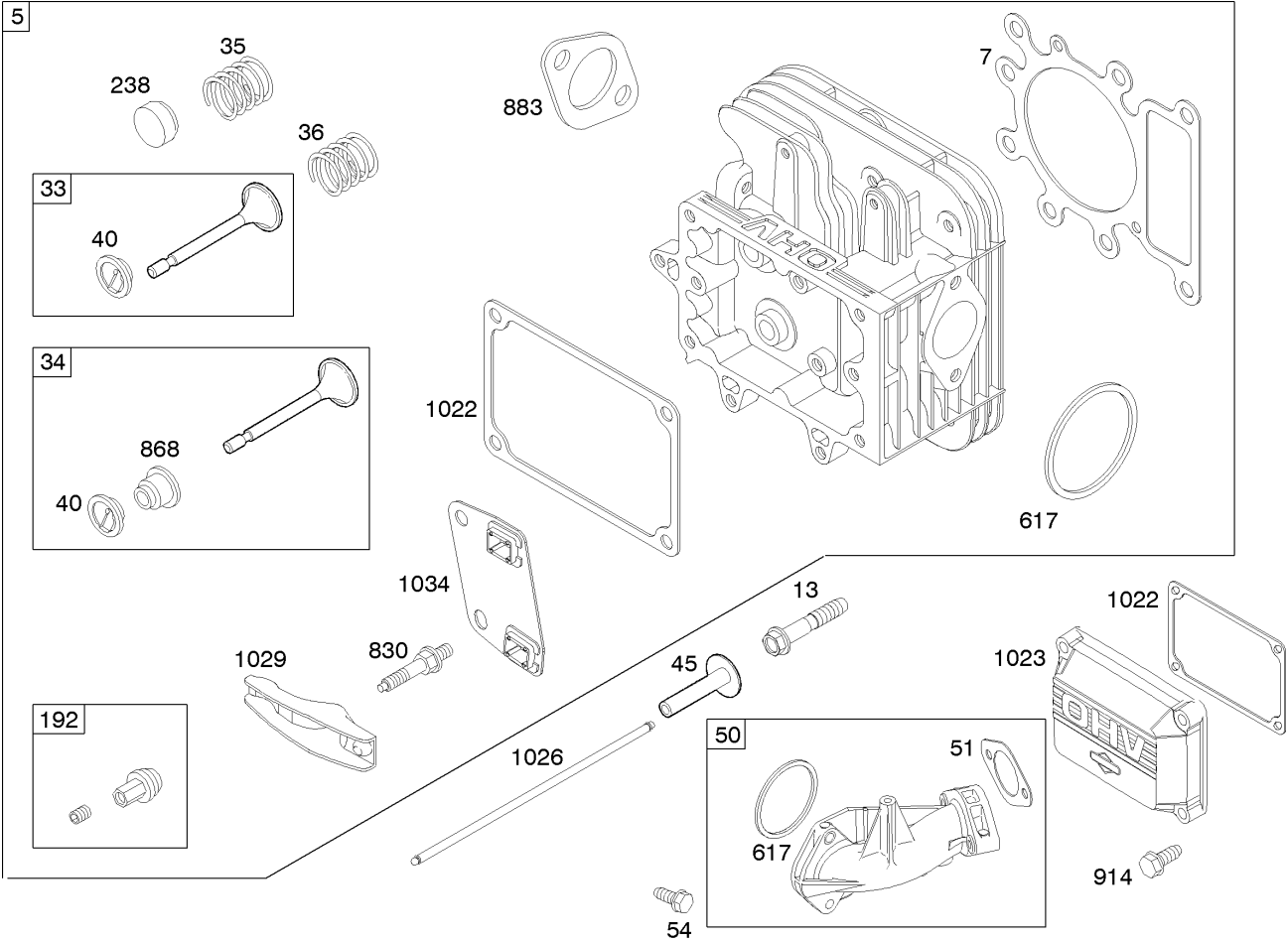


Assemblies include all parts shown in frames.

Cylinder Assembly

Briggs and Stratton 280h07-0166-e1

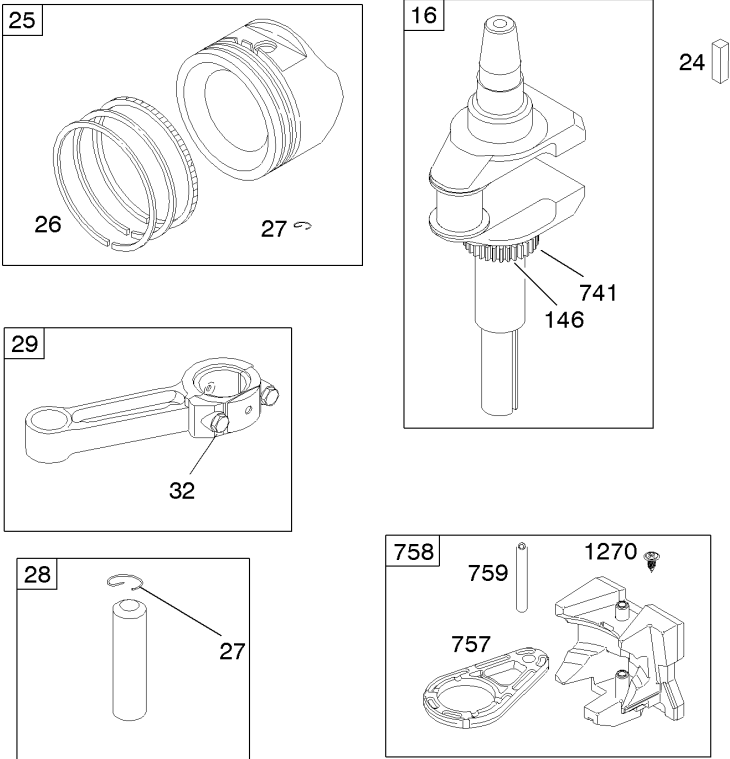
Ref	Part No.	Qty.	Description				
71	697132	1	Cylinder ASM				
72	399265	1	Bushing And Seal Kit				
373	391086	1	Seal-Oil				
379	697109	1	Gasket-Breather				
711	697113	1	Tube-Breather				
1748	697761	1	Short Block				
7306	697107	1	Shield-Cylinder				
7307	691003	1	Screw				
7337	691043	1	Spark Plug				
7383	89838	1	Wrench-Plug, Spark				
7404	691691	1	Washer				
7552	697144	1	Bushing-Crank, Governor				
7584	697112	1	Cover-Passage, Breather				
7614	691620	1	Pin-Cotter				
7616	692012	1	Crank-Governor				
7635	691909	1	Boot-Spark Plug				
7684	697157	1	Screw				
37691	692407	1	Seal-Shaft, Governor				
7718	690959	1	Pin-Locating				
71019	697143	1	Label Kit				
71263	697124	1	Reed-Breather				
71264	697104	1	Screw				



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

Ref	Part No.	Qty.	Description
75	698148	1	Head-Cylinder
377	273280	1	Gasket-Head, Cylinder
713	690360	1	Screw
733	695760	1	Valve-Exhaust
734	695761	1	Valve-Intake
735	691279	1	Spring-Valve
736	691279	1	Spring-Valve
740	691752	1	Retainer-Valve
745	690564	1	Tappet-Valve
750	690193	1	Manifold-Intake
3451	692137	1	Gasket-Intake
36			
754	691148	1	Screw
7192	691986	1	Adjustor-Arm, Rocker
7238	691843	1	Cap-Valve
3617	692138	1	Seal-O Ring
7			
7830	691095	1	Stud-Arm, Rocker
34868	690968	1	Seal-Valve
7			
7883	692236	1	Gasket-Exhaust
7914	690960	1	Screw
371022	272475	1	Gasket-Cover, Rocker
71023	692492	1	Cover-Rocker

Ref	Part No.	Qty.	Description
71026	692003	1	Rod-Push
17	692011	1	Rod-Push
71029	691751	1	Arm-Rocker
71034	690822	1	Guide-Rod, Push

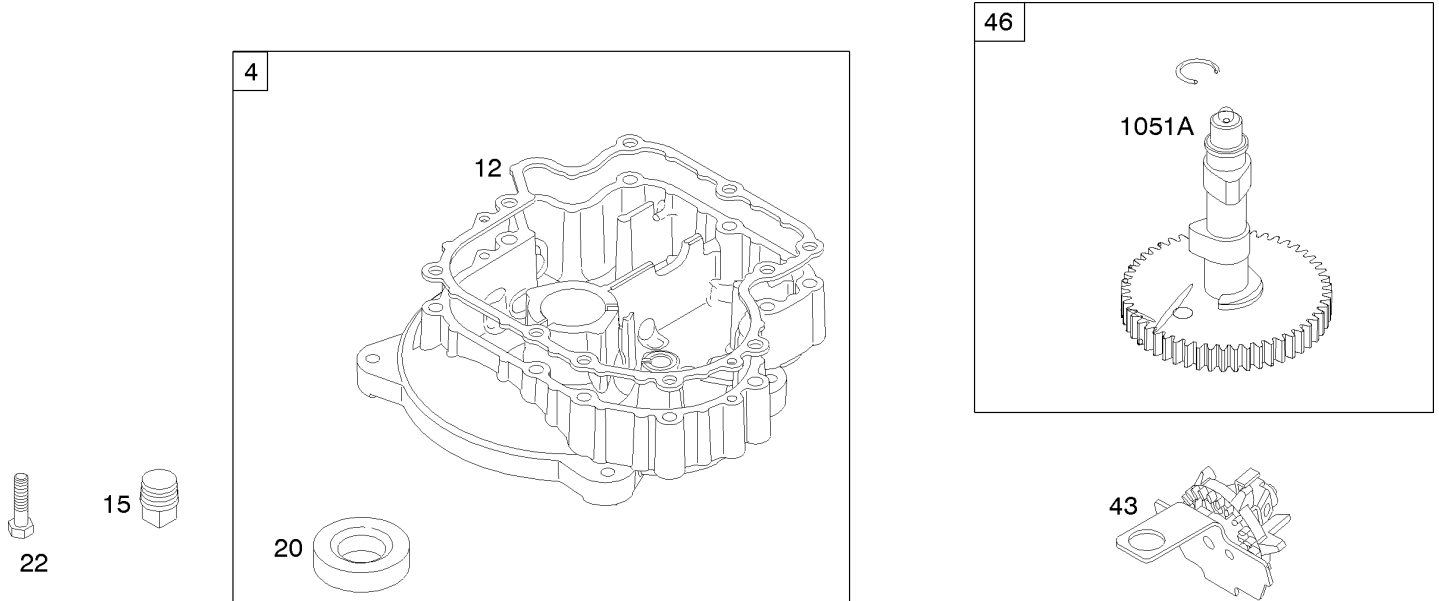


Assemblies include all parts shown in frames.

Crankshaft Assembly

Briggs and Stratton 280h07-0166-e1

Ref	Part No.	Qty.	Description				
16	697127	1	Crankshaft				
24	222698	1	Key				
25	698371	1	Piston ASM (Standard)				
7	698393	1	Piston ASM (.010 Oversize)				
7	698394	1	Piston ASM (.020 Oversize)				
7	698395	1	Piston ASM (.030 Oversize)				
26	697375	1	Ring Set (Standard)				
7	698396	1	Ring Set (.010 Oversize)				
7	698397	1	Ring Set (.020 Oversize)				
7	698398	1	Ring Set (.030 Oversize)				
27	698469	1	Lock-Pin, Piston				
28	697099	1	Pin-Piston (STD)				
29	697126	1	Rod-Connecting (Standard)				
7	697263	1	Rod-Connecting (.020In Undersize)				
32	692852	1	Screw				
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				

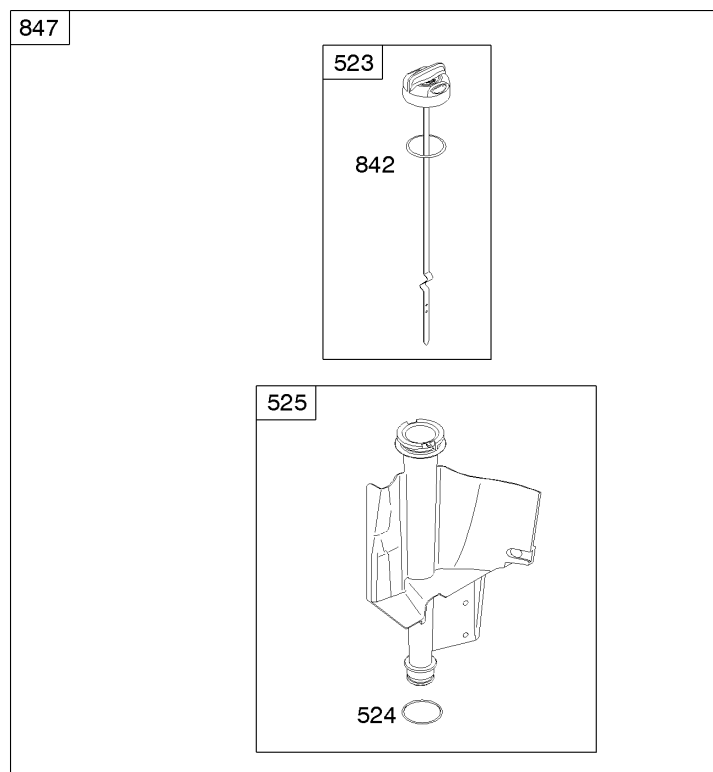


Assemblies include all parts shown in frames.

Crankcase Assembly

Briggs and Stratton 280h07-0166-e1

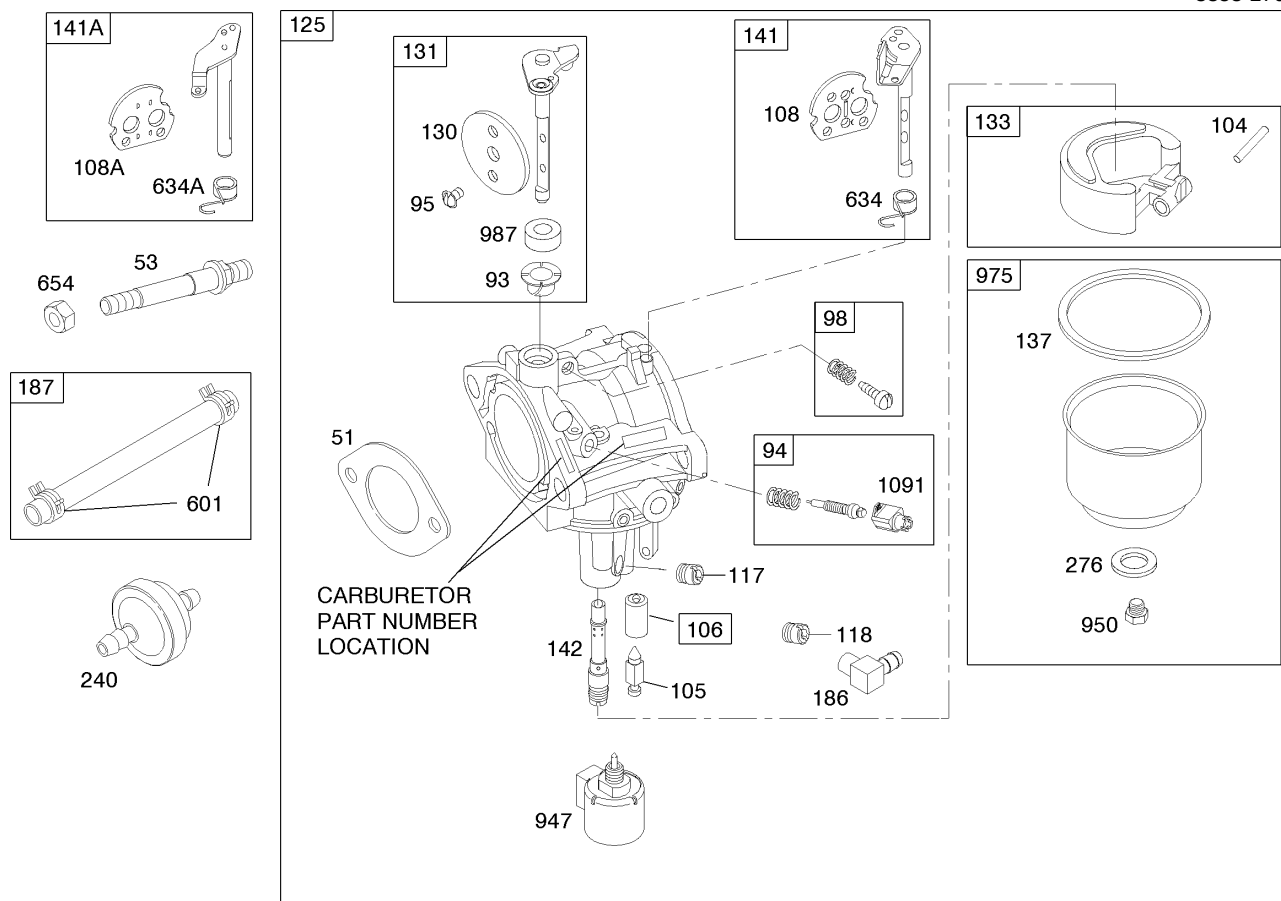
Ref	Part No.	Qty.	Description
74	697106	1	Sump-Engine
3712	697110	1	Gasket-Crankcase
715	690946	1	Plug-Drain, Oil
3720	690947	1	Seal-Oil
722	692125	1	Screw
743	691968	1	Slinger-Governor,Oil
746	698577	1	Camshaft
71051A	698802	1	Ring-Retaining



Assemblies include all parts shown in frames.

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

Ref	Part No.	Qty.	Description
7523	697086	1	Dipstick
37524	691032	1	Seal, O-Ring
7525	697184	1	Tube-Dipstick
37842	691031	1	Seal-O Ring
7847	697611	1	Dipstick And Tube ASM

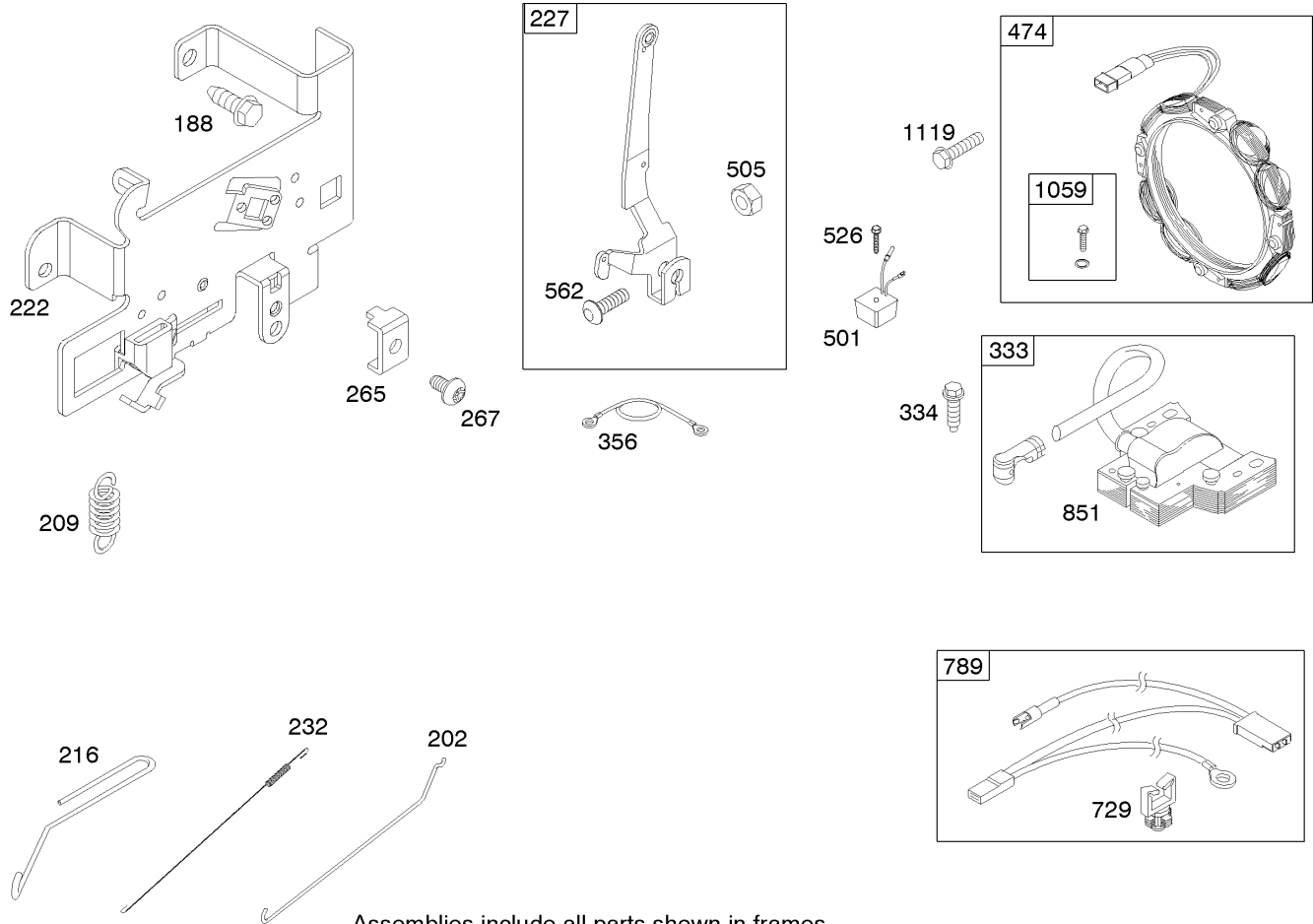


Assemblies include all parts shown in frames.

Carburetor Assembly

Briggs and Stratton 280h07-0166-e1

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
5 4 51	692137	1	Gasket-Intake	7 187	697098	1	Line-Fuel
5 6				7 240	394358	1	Filter-Fuel
7 53	690227	1	Stud	5 6 276	692255	1	Washer-Sealing
5 7 93	690602	1	Bushing-Shaft, Throttle	7			
7 94	498030	1	Idle Mixture Kit	7 601	95162	1	Clamp-Hose
5 7 95	691636	1	Screw	5 7 634	690801	1	Spring / Seal ASM
7 98	495800	1	Idle Speed Kit	5 7 634A	690802	1	Spring And Seal ASM
5 7 104	690525	1	Pin-Hinge, Carburetor Float	7 654	690958	1	Nut
5 7 105	231855	1	Valve-Needle, Float	7 947	694393	1	Solenoid-Fuel
5 7 106	690577	1	Seat-Inlet	7 950	691657	1	Screw
7 108	690464	1	Valve-Choke	7 975	495933	1	Bowl-Float
7 108A	692344	1	Valve-Choke	5 7 987	691326	1	Seal-Shaft, Throttle
5 7 117	694352	1	Jet-Main (STD)	7 1091	691333	1	Cap-Limiter
7 118	697228	1	Jet-Main (High Altitude)				
7 125	697190	1	Carburetor				
7 130	691750	1	Valve-Throttle				
7 131	494379	1	Throttle Shaft Kit				
7 133	494381	1	Float-Carburetor				
5 6 137	281165	1	Gasket-Bowl, Float				
7							
7 141	495097	1	Choke Shaft Kit				
7 141A	495931	1	Choke Shaft Kit				
5 7 142	697140	1	Nozzle-Carburetor				
7 186	692317	1	Connector-Hose				



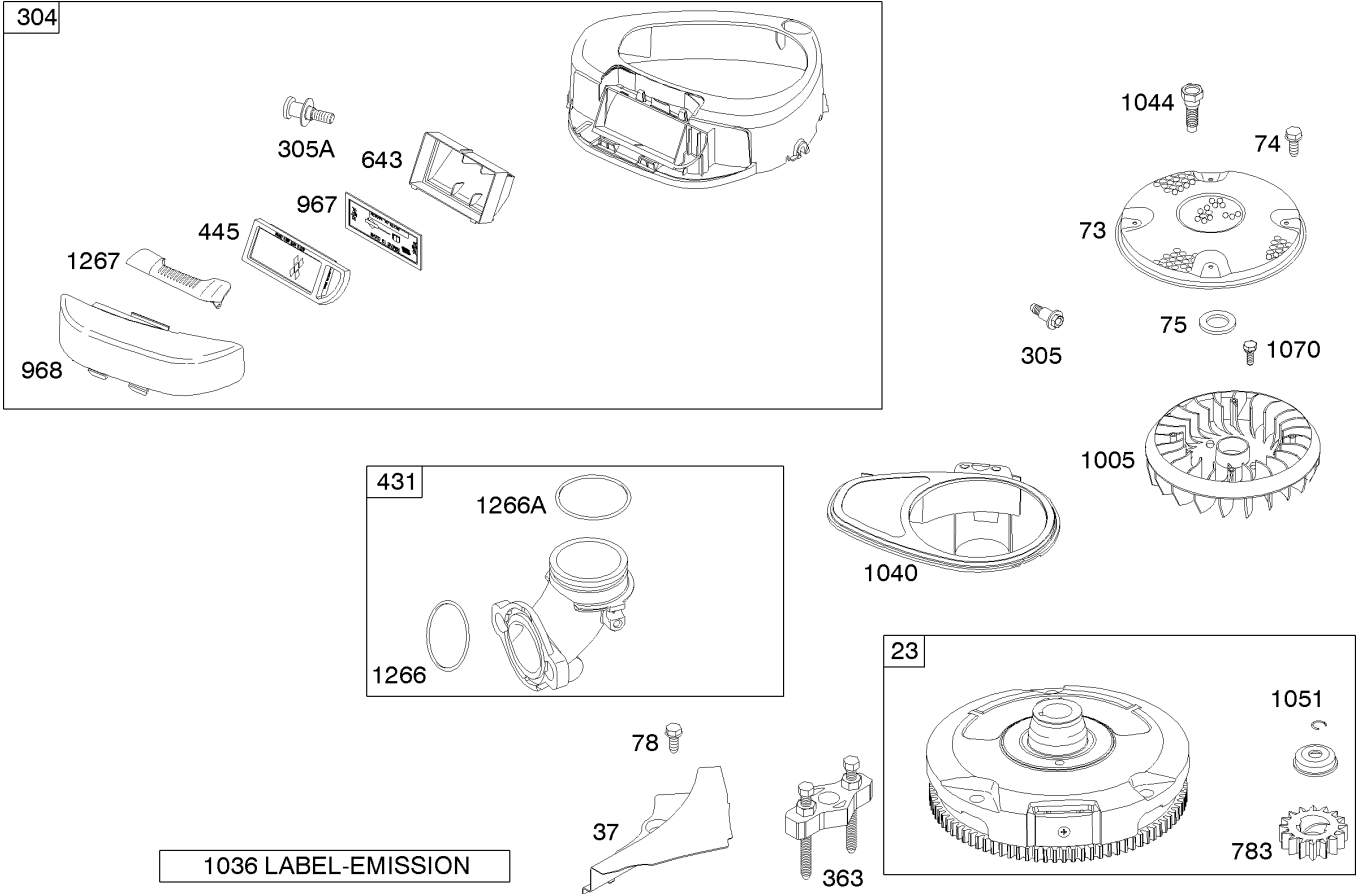
Assemblies include all parts shown in frames.

Governor Assembly

Briggs and Stratton 280h07-0166-e1

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

Ref	Part No.	Qty.	Description
1119	691183	1	Screw

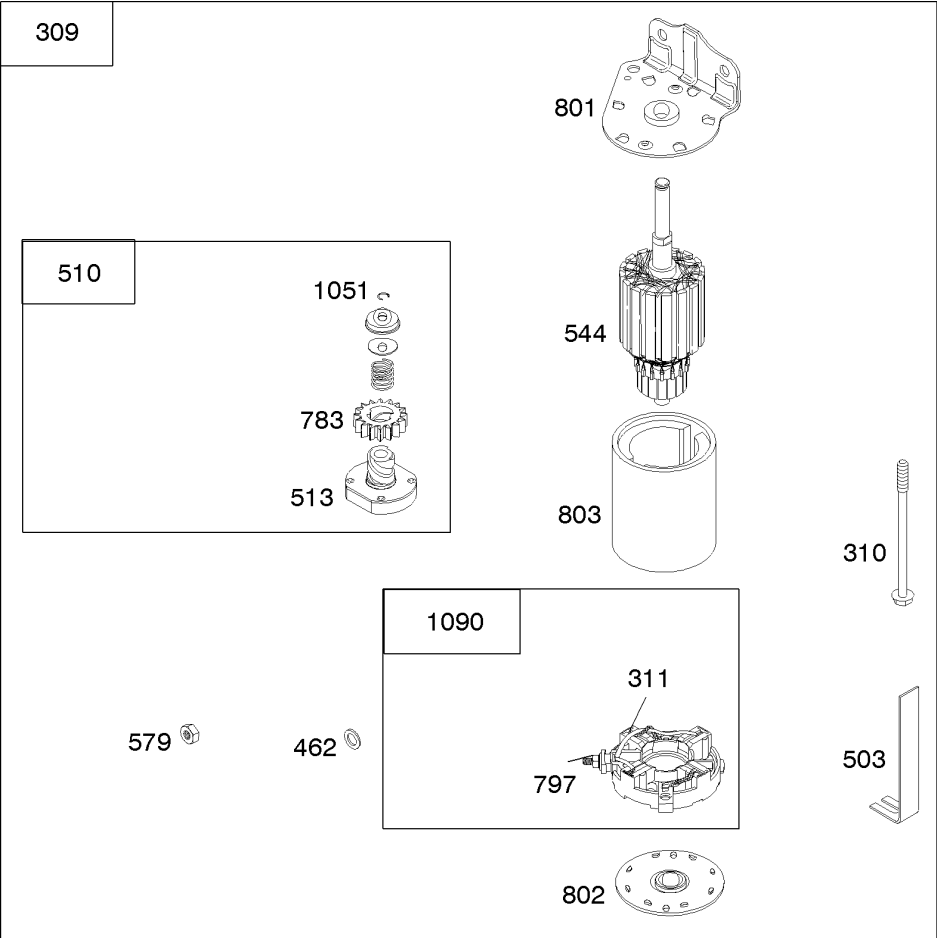


Assemblies include all parts shown in frames.

Blower Housing Assembly

Briggs and Stratton 280h07-0166-e1

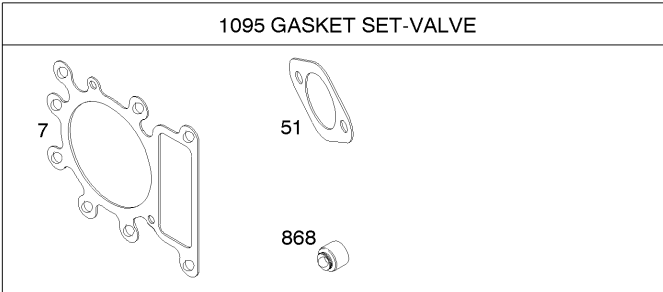
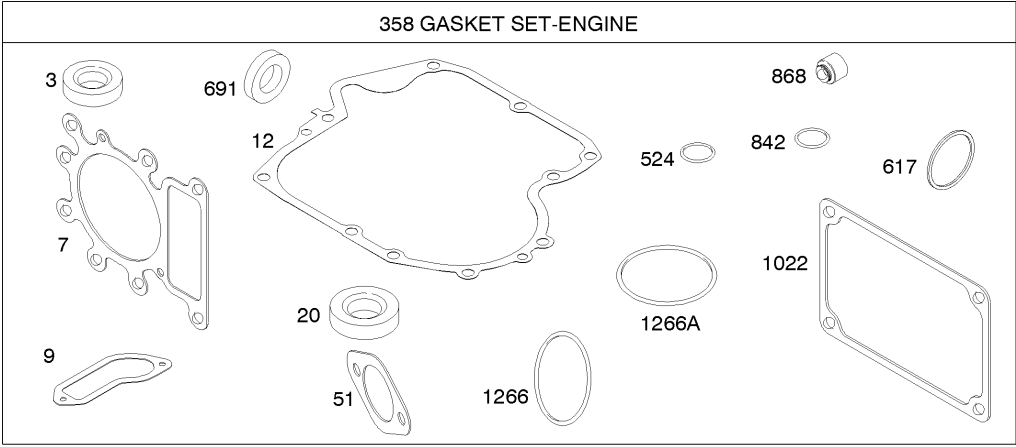
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
723	693556	1	Flywheel	71267	697419	1	Latch-Housing, Blower
737	697352	1	Guard-Flywheel				
773	697384	1	Screen-Rotating				
774	697897	1	Screw				
775	690582	1	Washer-Flywheel				
778	691003	1	Screw				
7304	698599	1	Housing-Blower				
7305	697102	1	Screw				
7305A	697103	1	Screw				
7363	19203	1	Puller-Flywheel				
7431	697122	1	Elbow-Intake				
7445	698083	1	Filter-Cartridge, Air Cleaner				
7643	698401	1	Retainer-Filter, Air				
7783	693713	1	Gear-Pinion				
7967	697015	1	Filter-Cleaner, Pre				
7968	698403	1	Cover-Cleaner, Air				
71005	697853	1	Fan-Flywheel				
71036	695700	1	Label-Emission				
71040	698368	1	Plate-Trim				
71044	691658	1	Screw-Crankshaft Extension				
71051	691265	1	Ring-Retaining				
71070	690372	1	Screw				
871266	691917	1	Seal-O Ring				
871266A	697123	1	Seal-O Ring				



Starter Assembly

Briggs and Stratton 280h07-0166-e1

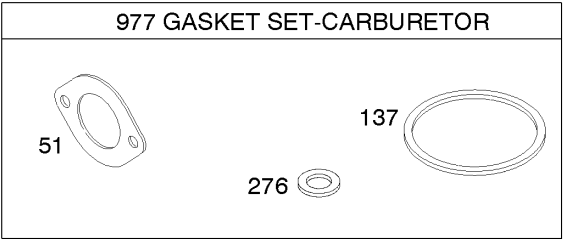
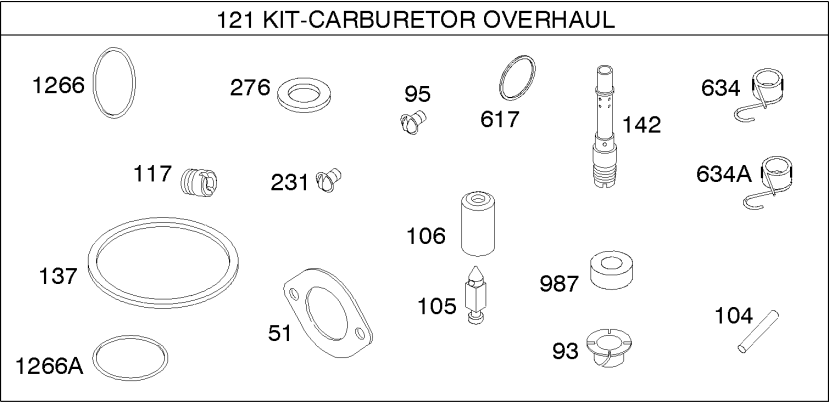
Ref	Part No.	Qty.	Description				
7309	693551	1	Motor-Starter				
7310	690323	1	Bolt				
7311	497608	1	Brush Set				
7462	691261	1	Washer				
7503	691532	1	Strap-Starter				
7510	693699	1	Drive-Starter				
7513	692024	1	Clutch-Drive				
7544	692034	1	Armature-Starter				
7579	691029	1	Nut				
7697	690372	1	Screw				
7729A	691224	1	Clip-Wire				
7729B	694123	1	Clip-Wire				
7783	693713	1	Gear-Pinion				
7797	693167	1	Nut				
7801	691283	1	Cap-Drive				
7802	691286	1	Cap-End				
7803	693757	1	Housing-Starter				
71051	691265	1	Ring-Retaining				
71090	691293	1	Retainer-Brush				



Assemblies include all parts shown in frames.

Gasket Assembly
Briggs and Stratton 280h07-0166-e1

Ref	Part No.	Qty.	Description				
373	391086	1	Seal-Oil				
377	273280	1	Gasket-Head, Cylinder				
379	697109	1	Gasket-Breather				
3712	697110	1	Gasket-Crankcase				
3720	690947	1	Seal-Oil				
3451	692137	1	Gasket-Intake				
36							
7358	697151	1	Engine Gasket Set				
34617	692138	1	Seal-O Ring				
37							
37524	691032	1	Seal, O-Ring				
37691	692407	1	Seal-Shaft, Governor				
37842	691031	1	Seal-O Ring				
34868	690968	1	Seal-Valve				
7							
371022	272475	1	Gasket-Cover, Rocker				
71095	691581	1	Valve Gasket Set				
351266	691917	1	Seal-O Ring				
7							
351266A	697123	0	Seal-O Ring				
7							



Assemblies include all parts shown in frames.

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

Ref	Part No.	Qty.	Description				
3451 56	692137	1	Gasket-Intake				
5793	690602	1	Bushing-Shaft, Throttle				
5795	691636	1	Screw				
57104	690525	1	Pin-Hinge, Carburetor Float				
57105	231855	1	Valve-Needle, Float				
57106	690577	1	Seat-Inlet				
57117	694352	1	Jet-Main (STD)				
7121	697154	1	Carburetor Overhaul Kit				
56137 7	281165	1	Gasket-Bowl, Float				
57142	697140	1	Nozzle-Carburetor				
57231	691636	1	Screw				
56276 7	692255	1	Washer-Sealing				
55617 7	692138	1	Seal-O Ring				
57634	690801	1	Spring / Seal ASM				
57634A	690802	1	Spring And Seal ASM				
7977	690192	1	Carburetor Gasket Set				
57987	691326	0	Seal-Shaft, Throttle				
551266 7	691917	0	Seal-O Ring				
551266A 7	697123	1	Seal-O Ring				

Attachments and Accessories

For 81228 - Precision Z310 Riding Mower

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

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