Form Number 3353-202 Rev E

TimeCutter™ Z480 Riding Mower

Model No. 74352 - 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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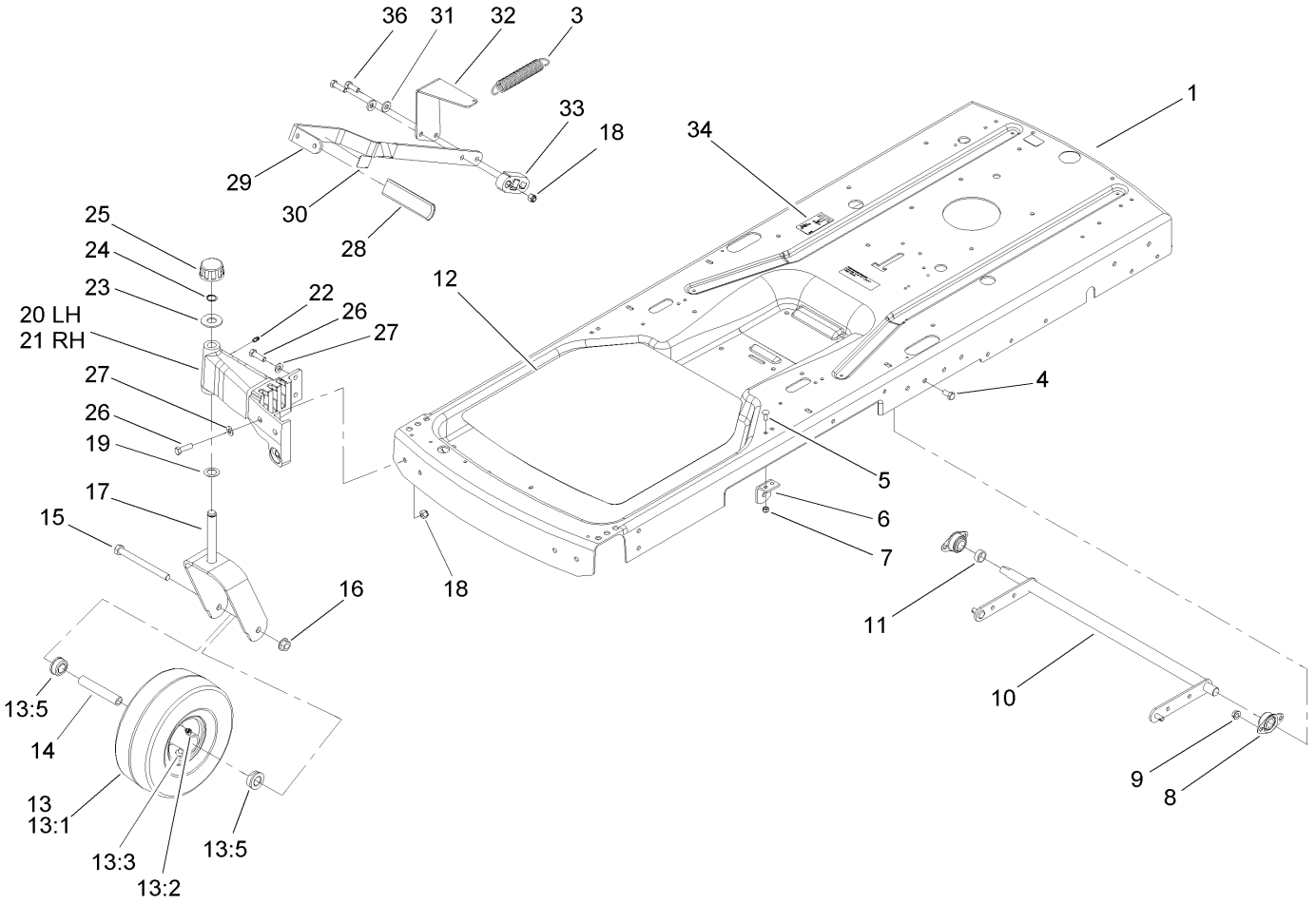
Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

AR. . . . . as required
ASM. . . . . assembly
BBC. . . . . blade brake clutch
CARR. . . . . carriage
CCW. . . . . counter clock wise
CW. . . . . clockwise
DEG. . . . . degrees
ECM. . . . . electronic control module
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

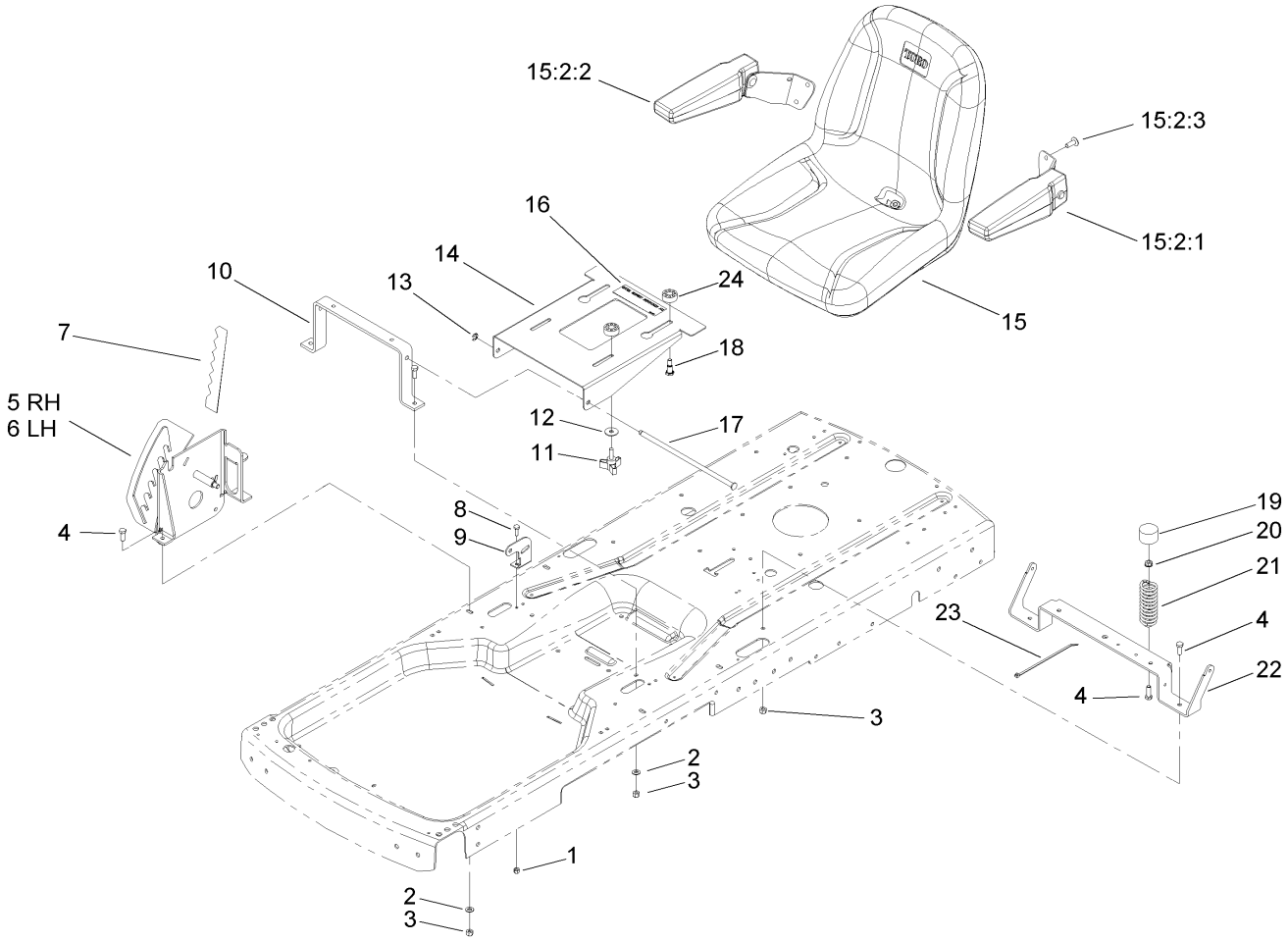
❶ Not illustrated
❷ Not serviced separately
❸ Obtain parts from www.briggsandstratton.com



Frame Assembly

Ref	Part No.	Qty.	Description
1	108-2325-01	1	Frame
3	106-2177	1	Spring-Extension
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	107-1731-03	1	Lift Arm ASM
11	106-2222	1	Spacer
12	105-3460	1	Pad-Antiskid
13	105-3471	2	Front Wheel And Tire 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
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	107-9119-01	2	Castor Fork ASM
18	3296-39	9	Nut-Lock, NI
19	3-6498	2	Washer-Thrust
20	105-6986-01	1	Caster-LH

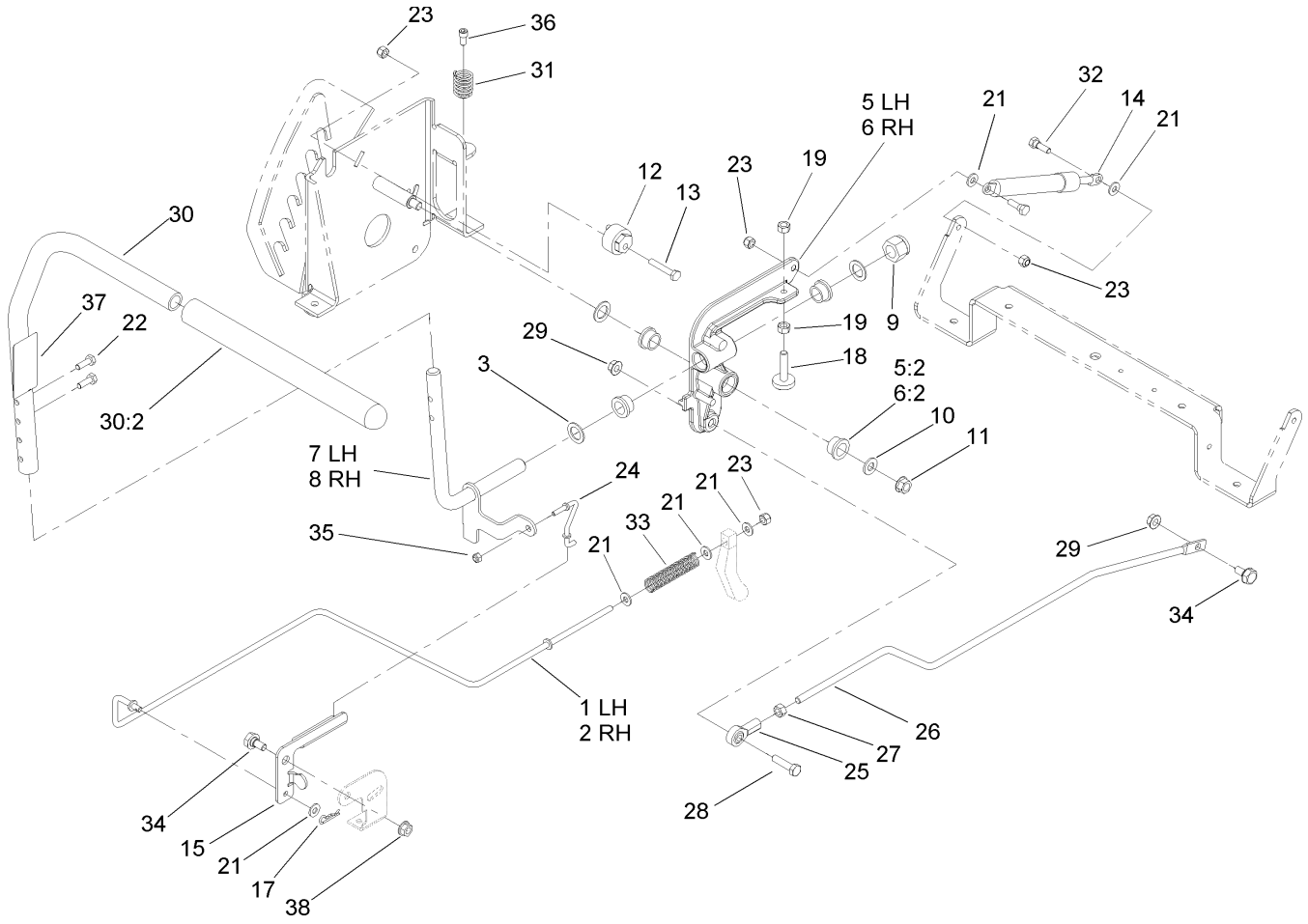
Ref	Part No.	Qty.	Description
21	105-6985-01	1	Castor-RH
22	302-5	2	Fitting-Grease
23	28-2480	2	Washer-Plain
24	32151-103	2	Ring-Retaining, EXT
25	61-9780	2	Cap-Hub
26	323-18	8	Screw-HH
27	3256-24	8	Washer-Flat
28	105-3450	1	Grip-Lever, Lift
29	108-2317-03	1	Lever-Lift
30	106-8743	1	Decal
31	98-5975	2	Washer-Belleville
32	107-2516-03	1	Mount-Spring, Front
33	106-2211	1	Block-Lift
34	108-6109	1	Decal-Transport, Ce
36	323-7	2	Screw-HH



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	108-8520	1	Decal-HOC
8	321-4	4	Screw-HH
9	106-2180	2	Bracket-Bellcrank
10	105-6954-03	1	Brace-Seat, Front
11	106-2240	2	Knob
12	5-4460	2	Washer-Pivot
13	105-7004	1	E-Ring
14	105-6953-03	1	Bracket-Seat
15	106-6447	1	Seat (With Arm Rests)
❷15:2		1	Armrest Kit
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	105-6955	1	Pin-Pivot
18	613529	2	Screw-Shoulder
19	701178	2	Cap-Protector
20	32128-25	2	Nut-HF

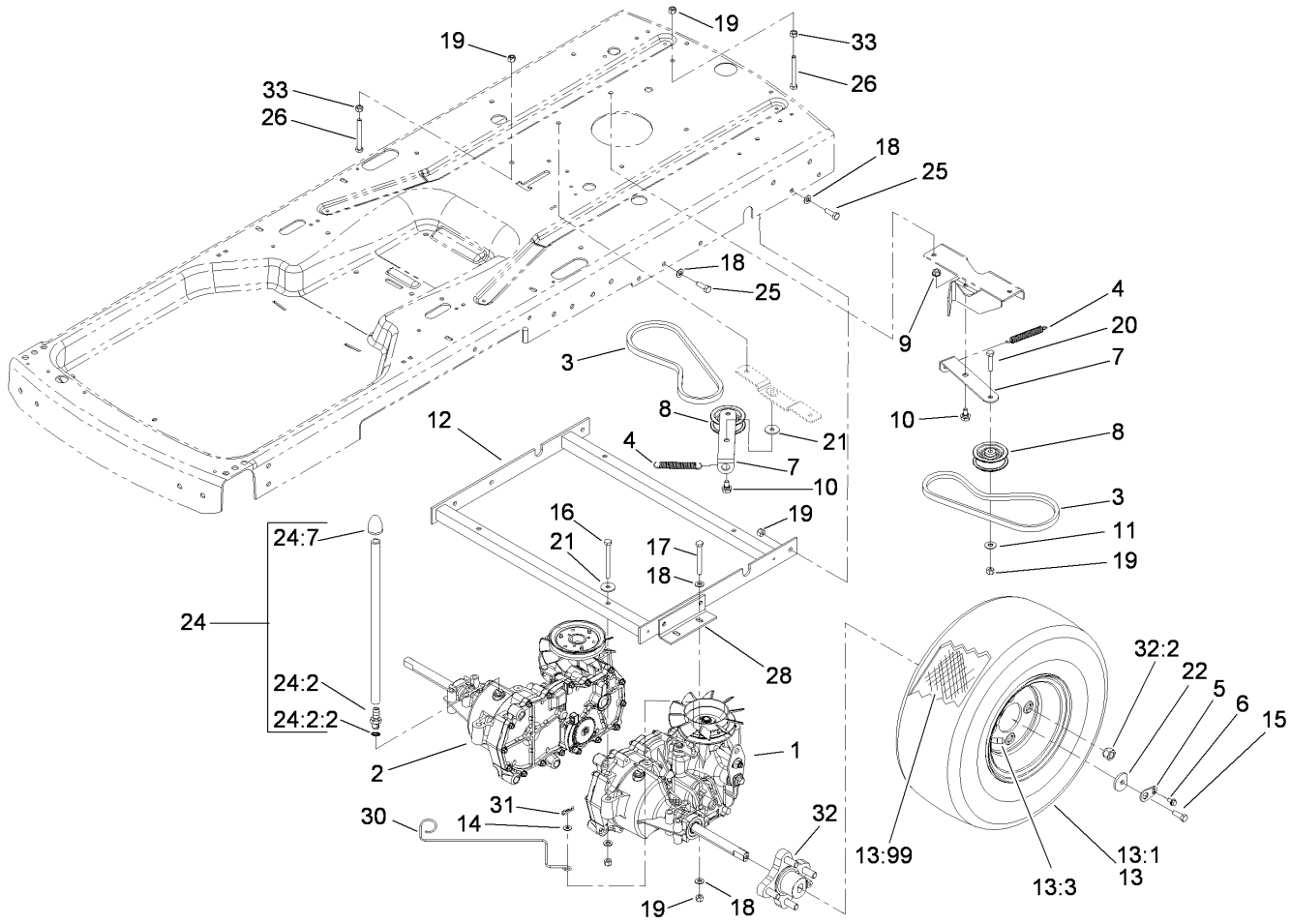
Ref	Part No.	Qty.	Description
21	92-7054	2	Spring-Compression
22	108-2358-03	1	Brace-Seat, Rear
23	614249	1	Strap-Tie
24	107-4902		Spacer-Nylon



Control Assembly

Ref	Part No.	Qty.	Description
❶1	105-7045	1	Rod-Brake, LH
2	105-7044	1	Rod-Brake, RH
3	105-3481	6	Washer-Thrust
❶5	107-4909	1	LH Activator Arm ASM
❶5:2	105-3455	4	Bushing
6	107-4910	1	RH Activator Arm ASM
6:2	105-3455	4	Bushing
❶7	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-Cotter, 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

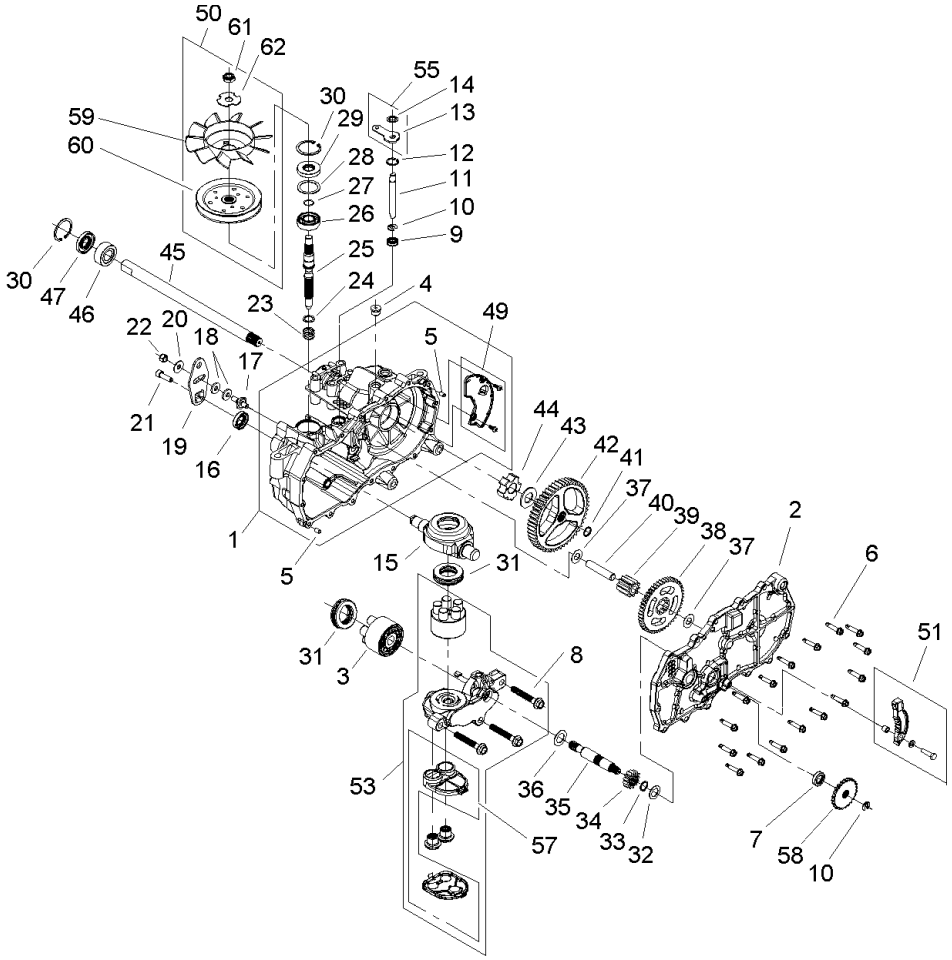
Ref	Part No.	Qty.	Description
26	105-7048	2	Rod-Hydro
27	3219-2	2	Nut-Hex
28	322-6	2	Screw-HH
29	32128-20	4	Nut-HF
30	106-2242	2	Handle ASM
30:2	1-633257	1	Grip-Control, Motion
31	105-3469	2	Spring-Compression
32	106-2214	4	Bolt-Shoulder
33	105-3465	2	Spring-Compression
34	37-8771	4	Bolt-Shoulder
35	3296-2	2	Nut-Lock, NI
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	106-7005	2	Rear Wheel ASM
13:1	105-3468	1	Tire
13:3	232-27	1	Stem-Valve
13:99	232-37	1	Tube
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

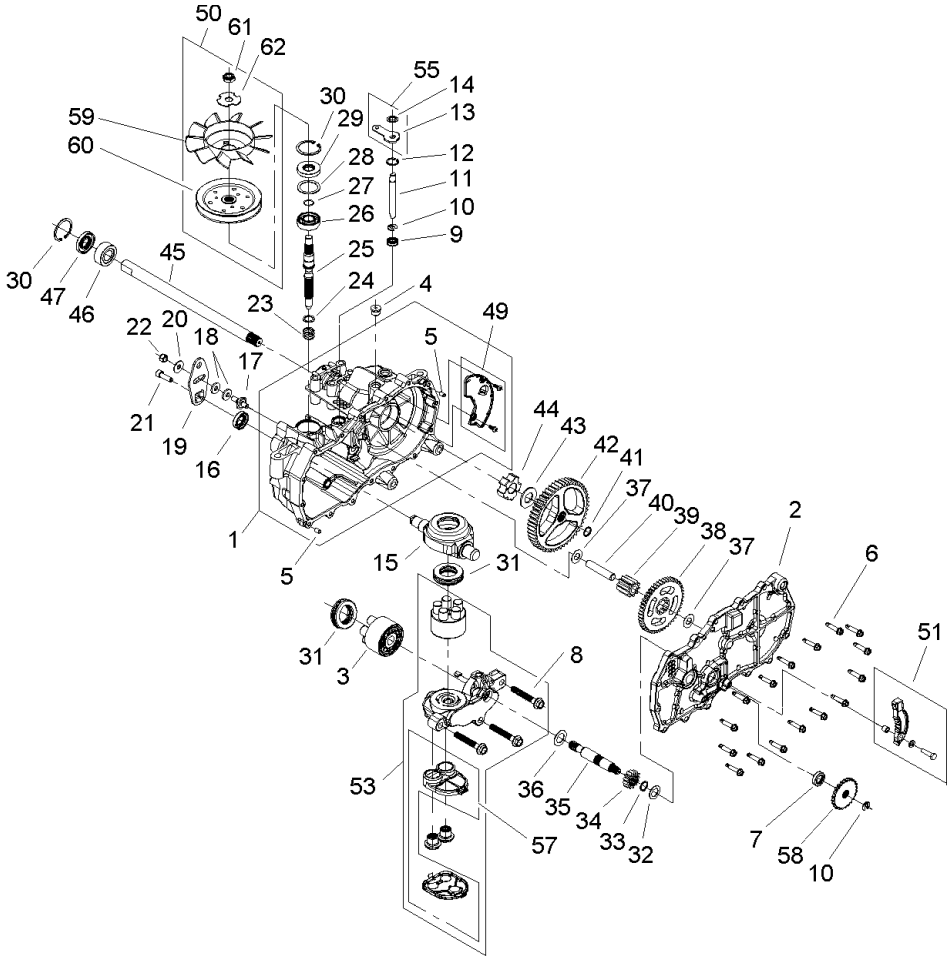
Ref	Part No.	Qty.	Description
22	106-7001	2	Washer-Wheel
24	106-7002	2	Vent Hose ASM
24:2	93-3818	1	Fitting ASM
24:2:2	93-3816	1	O-Ring
24:7	107-1701	1	Cap Vent ASM
25	322-5	6	Screw-HH
26	322-13	2	Screw-HH
28	105-7039-03	2	Support-Hydro
30	107-4875	2	Rod-Bypass
31	1-806003	2	Pin-Cotter, Hair
32	108-9533	2	Hub ASM
32:2	242-50	4	Nut-Lug
33	3217-6	2	Nut-Hex



LH Hydrostat Assembly Part No. 108-2394

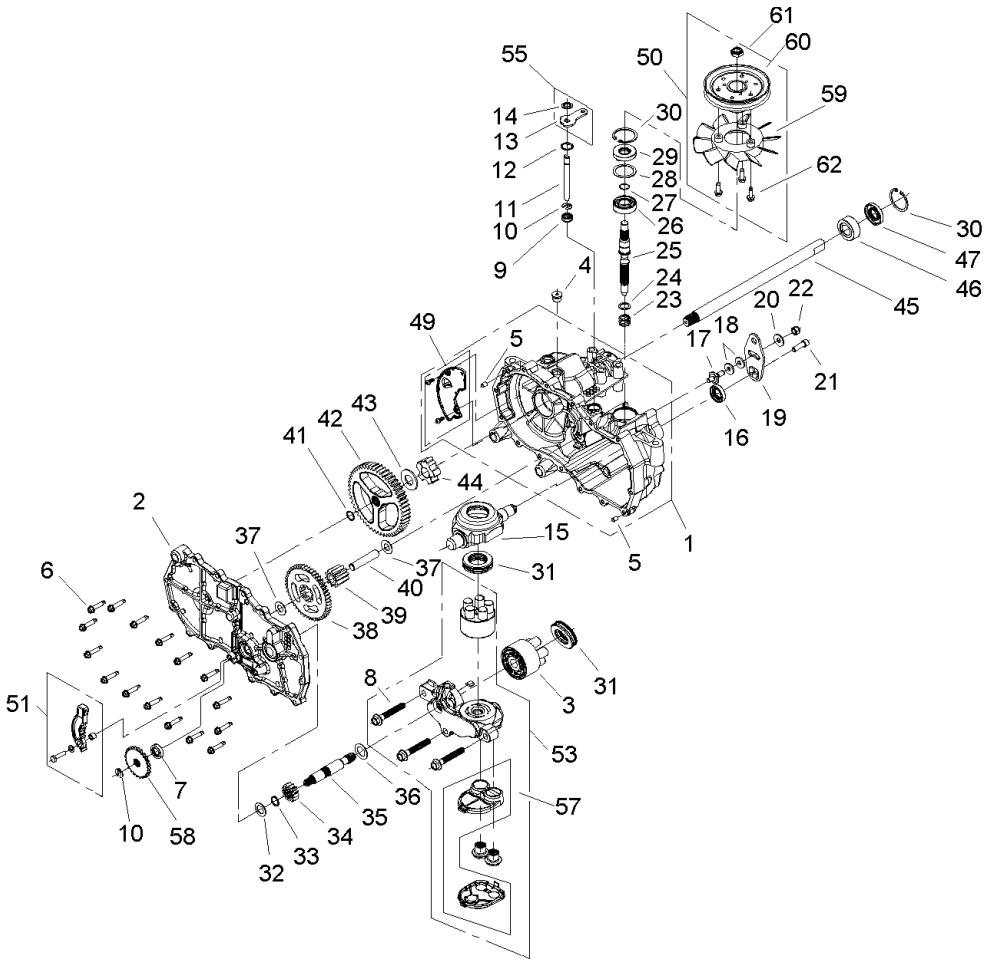
Ref	Part No.	Qty.	Description
1	106-8695	1	RH Main Housing ASM
2	106-8696	1	RH Side ASM
3	104-2106	1	Cylinder Block ASM
4	104-2189	1	Plug-Thread, Straight
5	104-2170	2	Pin
6	104-5305	16	Screw-HHF
7	104-5347	1	Seal-Oil
8	94-6926	3	Bolt
9	106-8676	1	Seal-Lip
10	106-8677	2	Ring-Retaining, EXT
11	106-8678	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-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 Hydrostat Assembly Part No. 108-2394 (continued)

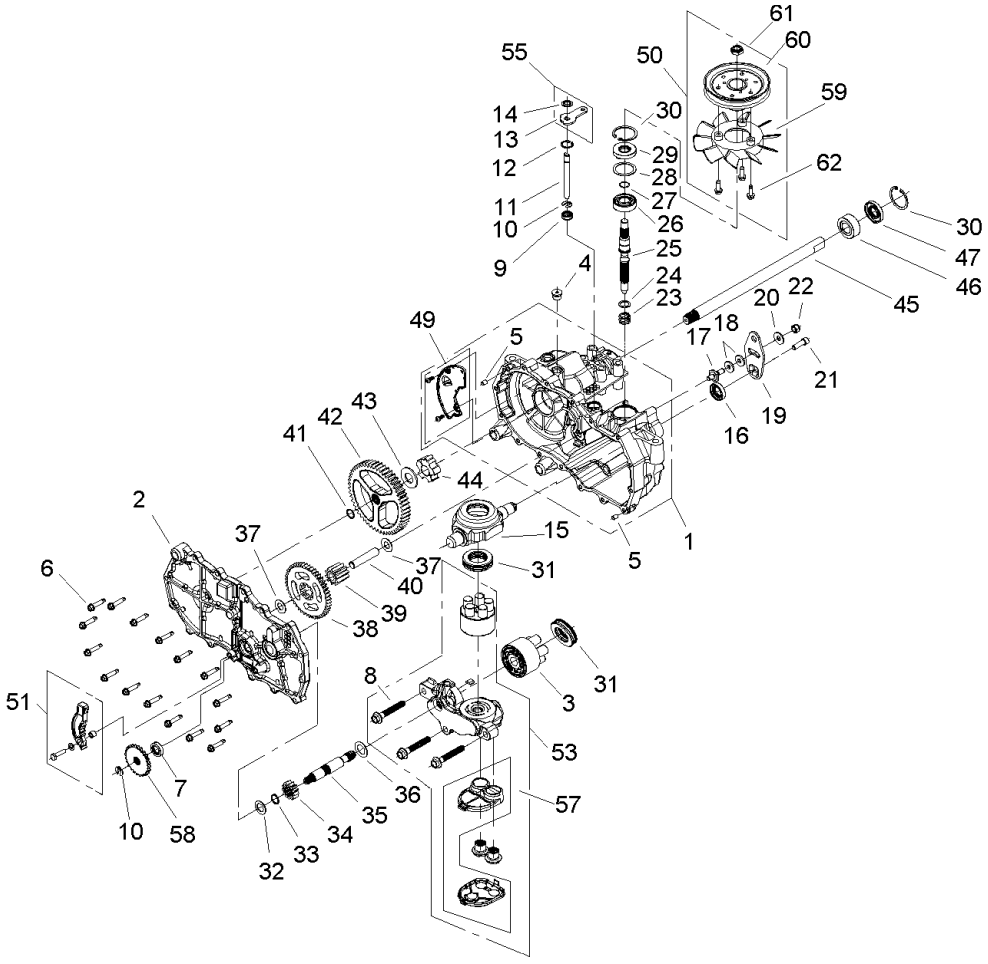
Ref	Part No.	Qty.	Description
49	106-8697	1	RH Expansion Plate Kit
50	106-8698	1	Fan Pulley Kit
51	106-8688	1	Brake Arm Kit
53	108-6190	1	RH 7-Piston Center Section Kit
❶54	104-2147	1	Sealant
55	107-2489	1	Bypass Arm Kit
57	106-8693	1	Filter Kit
58	106-8694	1	Disc-Brake, Cog
59	110-8566	1	Fan-6 Inch, 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

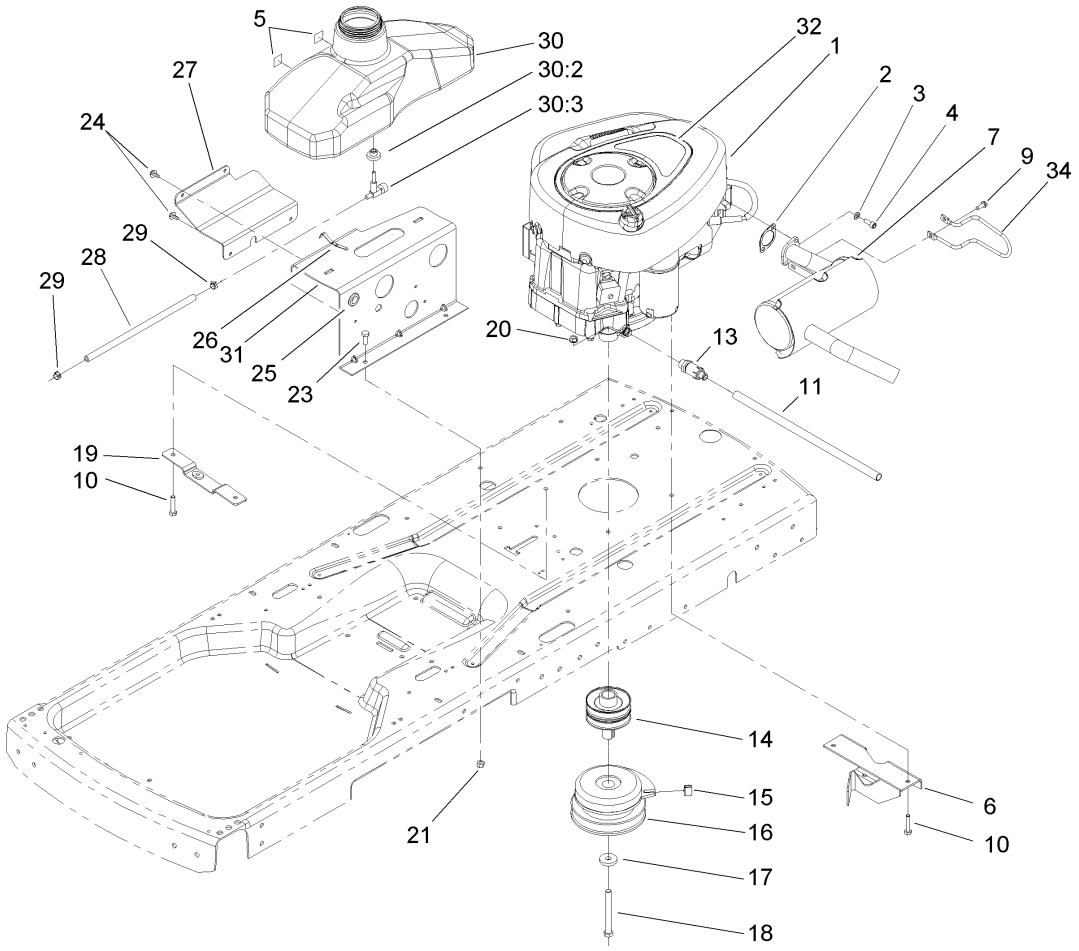
Ref	Part No.	Qty.	Description
1	106-8674	1	LH Main Housing ASM
2	106-8675	1	LH Side ASM
3	104-2106	1	Cylinder Block ASM
4	104-2189	1	Plug-Thread, Straight
5	104-2170	2	Pin
6	104-5305	16	Screw-HHF
7	104-5347	1	Seal-Oil
8	94-6926	3	Bolt
9	106-8676	1	Seal-Lip
10	106-8677	2	Ring-Retaining, EXT
11	106-8678	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-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 Hydrostat Assembly Part No. 108-2393 (continued)

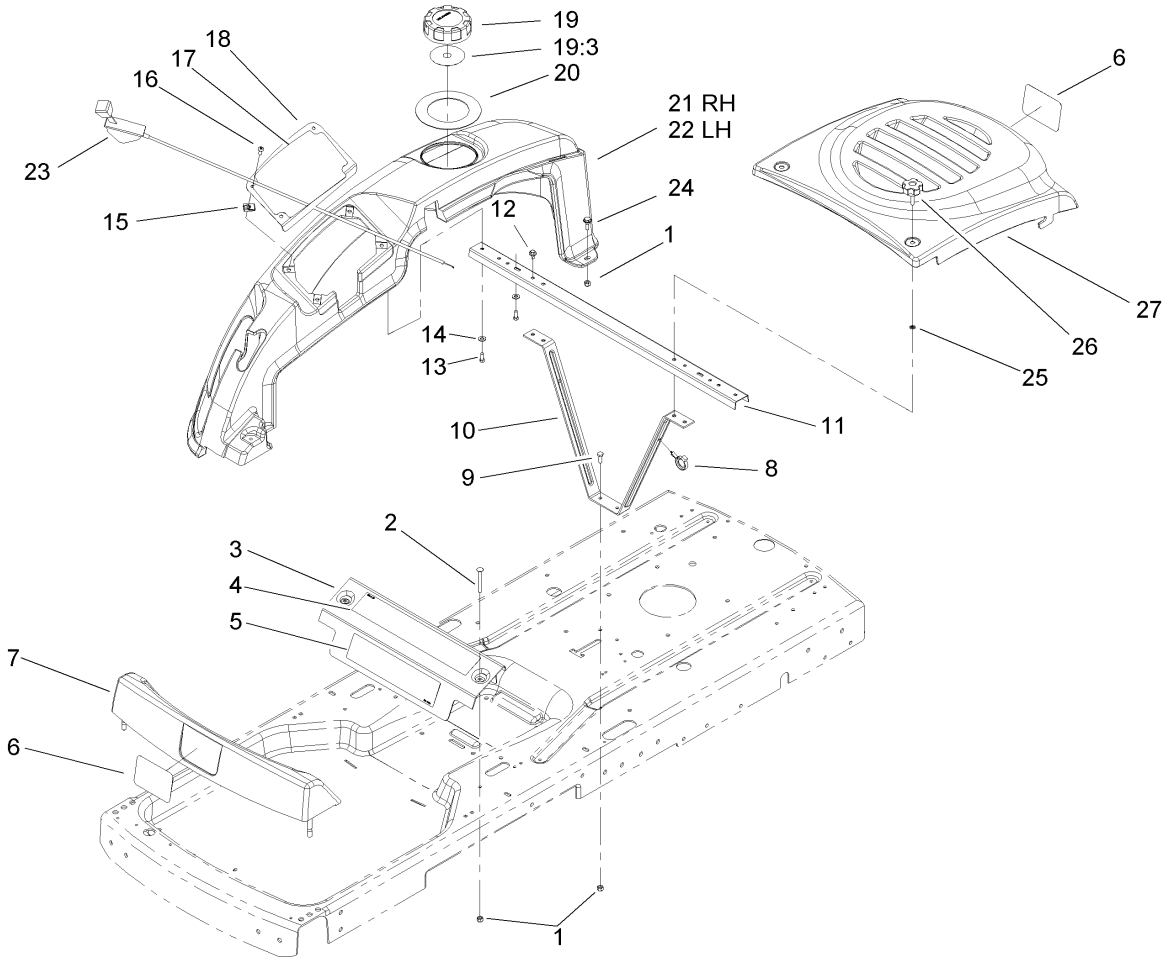
Ref	Part No.	Qty.	Description
49	106-8687	1	LH Expansion Plate Kit
50	105-1928	1	Fan Pulley Kit
51	106-8688	1	Brake Arm Kit
53	108-6189	1	LH 7-Piston Center Section Kit
❶54	104-2147	1	Sealant
55	107-2489	1	Bypass Arm Kit
57	106-8693	1	Filter Kit
58	106-8694	1	Disc-Brake, Cog
59	105-1927	1	Fan
60	105-1896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



Engine Assembly

Ref	Part No.	Qty.	Description
❷❸1		1	Engine-Briggs And Stratton, 31K777-0190-E1
2	88-4410	1	Gasket-Exhaust
3	3253-4	2	Washer-Lock
4	3274-10	2	Screw-HSH
5	104-2488	2	Foam-Switch, Seat
6	107-4873	1	Bracket-Pivot
7	106-7007	1	Muffler
9	32144-44	3	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	Bumpon
16	108-9511	1	Clutch-PTO, 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	3	Screw-HHF
25	237-124	1	Grommet
26	609830	2	Spring

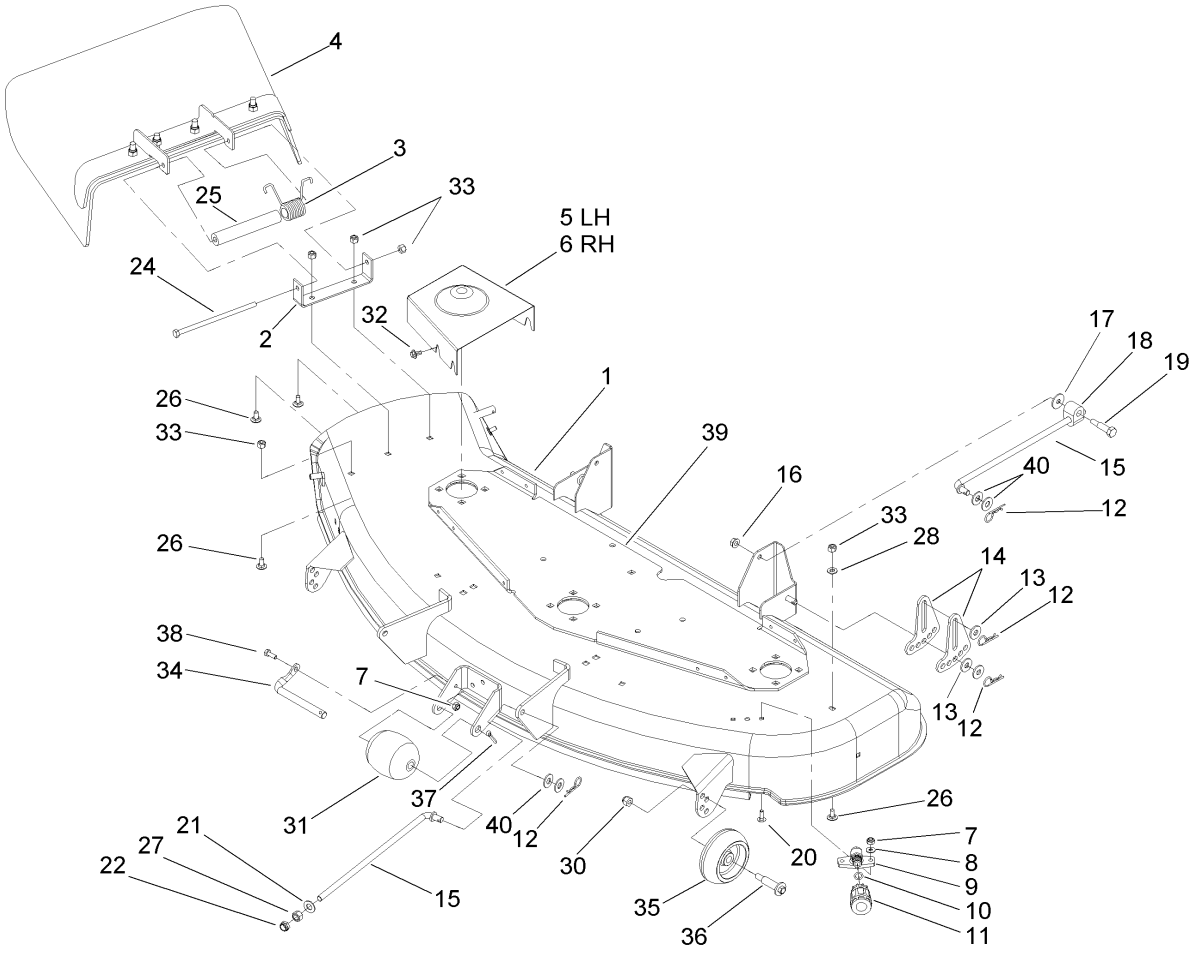
Ref	Part No.	Qty.	Description
27	108-2315-03	1	Plate-Support
28	106-8720	1	Hose-Fuel
29	2412-98	2	Clamp
30	105-3464	1	Gas Tank ASM
30:2	46-6560	1	Bushing
30:3	104048	1	Valve-Fuel
31	108-2314-03	1	Plate-Tank
32	108-8523	2	Decal-Engine
34	108-8510	1	Guard-Muffler



Styling Assembly

Ref	Part No.	Qty.	Description
1	3296-42	6	Nut-Lock, NI
2	3229-7	2	Screw-CARR
3	106-2164-03	1	Bracket-Support, Front
4	107-7398	1	Decal-Danger
5	108-7129	1	Decal
6	105-6971	2	Decal
7	105-6965	1	Footrest ASM
8	105-1853	2	Clamp-Hose
9	321-4	2	Screw-HH
10	106-6994-03	1	Brace ASM
11	108-2313-03	1	Channel-Cross
12	46-8560	2	Screw-HHF
13	46-8090	4	Screw-Plastite
14	3256-22	4	Washer-Flat
15	107069	4	Clip
16	3258-166	4	Screw-PRH
17	106-2224	1	Decal-Control
18	106-2167-03	1	Panel-Control
19	88-3980	1	Gas Cap ASM
19:3	88-4010	1	Gasket-Cap, Gas
20	106-7042	1	Seal-Rubber
21	106-2161	1	Cover-Side, RH
❶22	106-2162	1	Cover-Side, LH
23	104-3626	1	Cable-Throttle

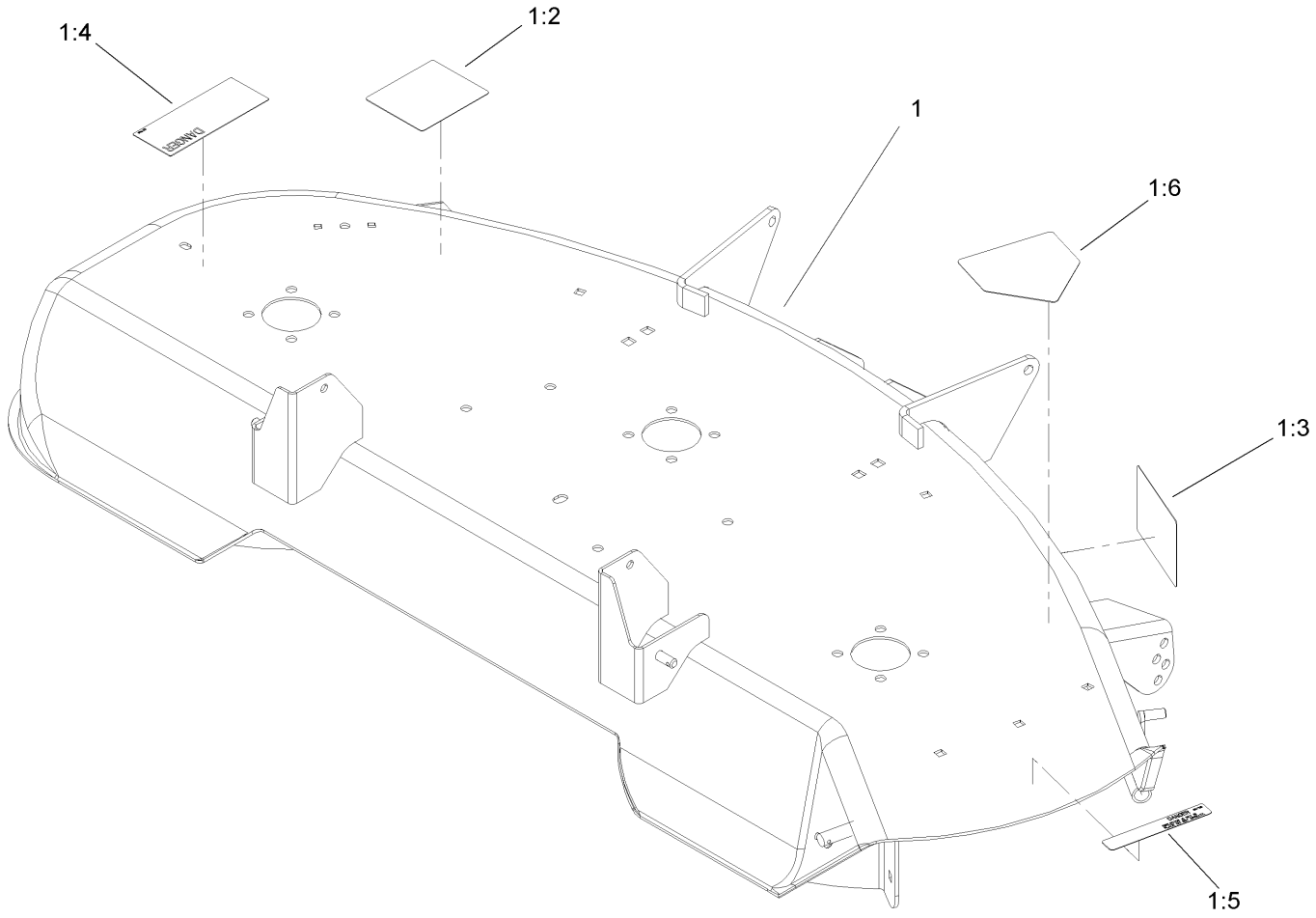
Ref	Part No.	Qty.	Description
24	11-9030	2	Screw-Shoulder
25	106-8737	2	Nut-Retainer
26	106-7017	2	Knob
27	106-2163	1	Cover-Hood



48 Inch Deck Assembly

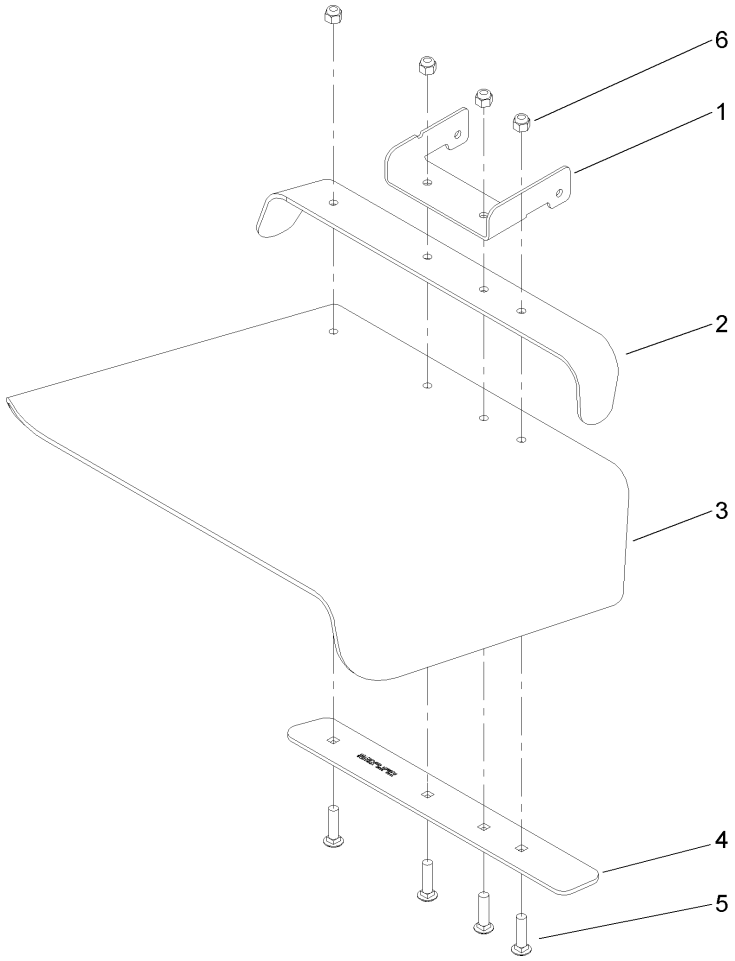
Ref	Part No.	Qty.	Description
1	108-7173	1	48 Inch Deck ASM
2	108-8581-03	1	Bracket-Pivot
3	108-4052	1	Spring-Torsion
4	108-8591	1	Deflector ASM
5	108-7167-03	1	Cover-Belt, LH
6	108-7166-03	1	Cover-Belt, RH
7	3296-16	3	Nut-Lock, NI
8	3256-1	2	Washer-Flat
9	95-2747	1	Fitting-Washout
10	46-6290	1	O-Ring, Seal
11	95-3270	1	Connector-Hose
12	9335054	8	Pin-Hair
13	80-6990	6	Washer-Hardened
14	88-5570-03	4	Link-Adjusting, HOC
15	105-3437	4	Rod-Hanger
16	32128-25	2	Nut-HF
17	5-4460	2	Washer-Pivot
18	88-4230	2	Trunnion-HOC
19	7-0030	2	Screw-Shoulder, HH
20	3229-1	2	Screw-CARR
21	3256-25	2	Washer-Flat
22	3296-38	2	Nut-Lock, NI
24	108-8539	1	Bolt-HH
25	108-7159	1	Spacer-Deflector

Ref	Part No.	Qty.	Description
26	3230-18	4	Screw-CARR
27	3219-4	2	Nut-Hex
28	3256-23	1	Washer-Flat
30	3296-39	2	Nut-Lock, NI
31	94-1599	1	Roller
32	46-8560	8	Screw-HHF
33	3296-29	5	Nut-Lock, NI
34	110847	1	Roller-Shaft
35	701756	2	Wheel-Gage
36	56-6591	2	Screw-Shoulder, HWH
37	3272-21	1	Pin-Cotter
38	321-4	1	Screw-HH
39	108-7168-01	1	Plate-Reinforcement, Deck
40	3256-4	8	Washer-Flat



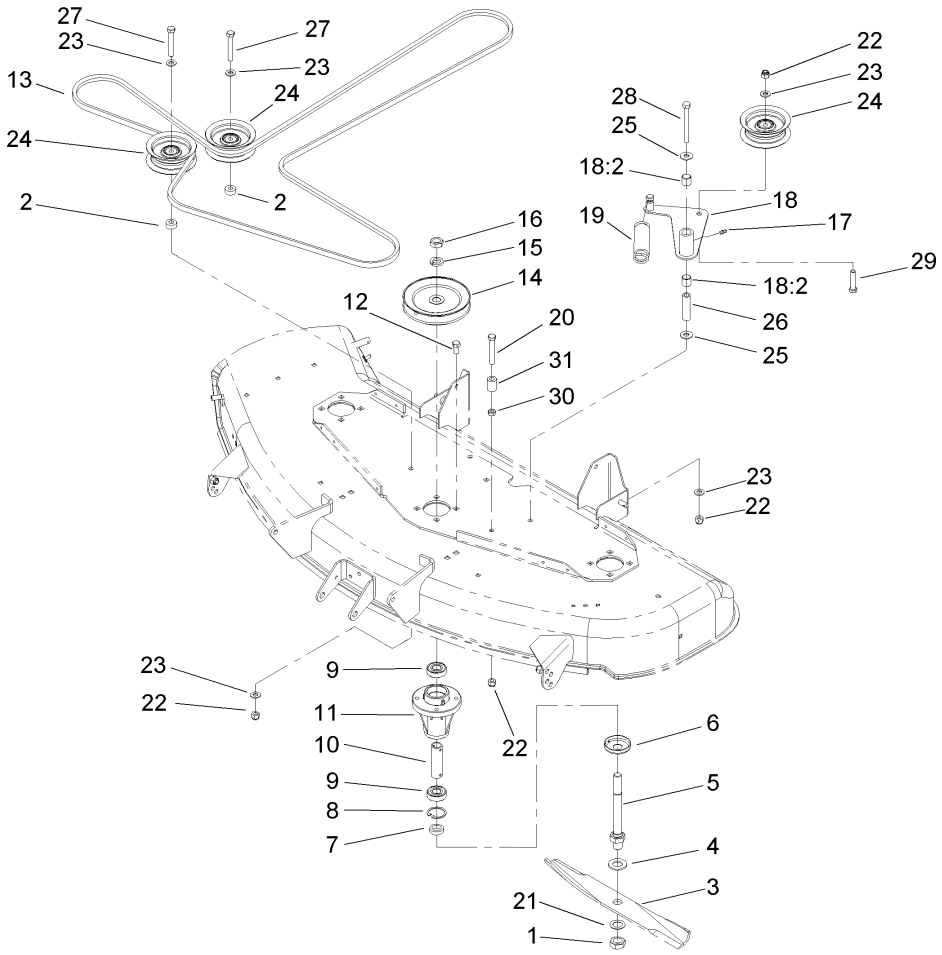
48 Inch Deck Decal Assembly No. 108-7173

Ref	Part No.	Qty.	Description
❷1		1	Deck ASM 48 W/Decals
1:2	99-3943	1	Decal-Routing, Belt
1:3	98-3798	1	Decal-Wheel, Gage
1:4	92-7108	1	Decal-Danger
1:5	92-7109	1	Decal-Caution
1:6	93-1122	1	Decal-Danger



Deflector Assembly No. 108-8591

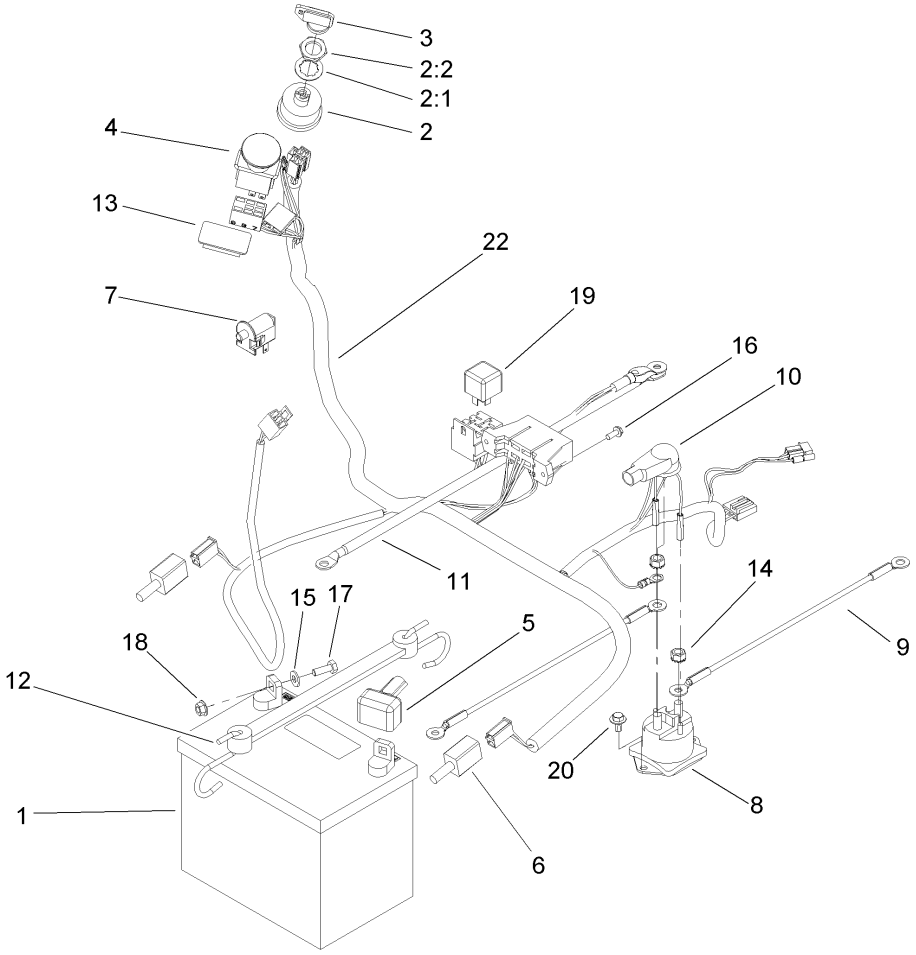
Ref	Part No.	Qty.	Description
1	108-6184-03	1	Hinge-Deflector
2	108-6172-03	1	Support-Discharge
3	108-8590	1	Deflector-Rubber
4	108-6174-03	1	Strap-Discharge
5	3230-3	4	Screw-CARR
6	3296-29	4	Nut-Lock, NI



48 Inch Spindle and Belt Drive Assembly

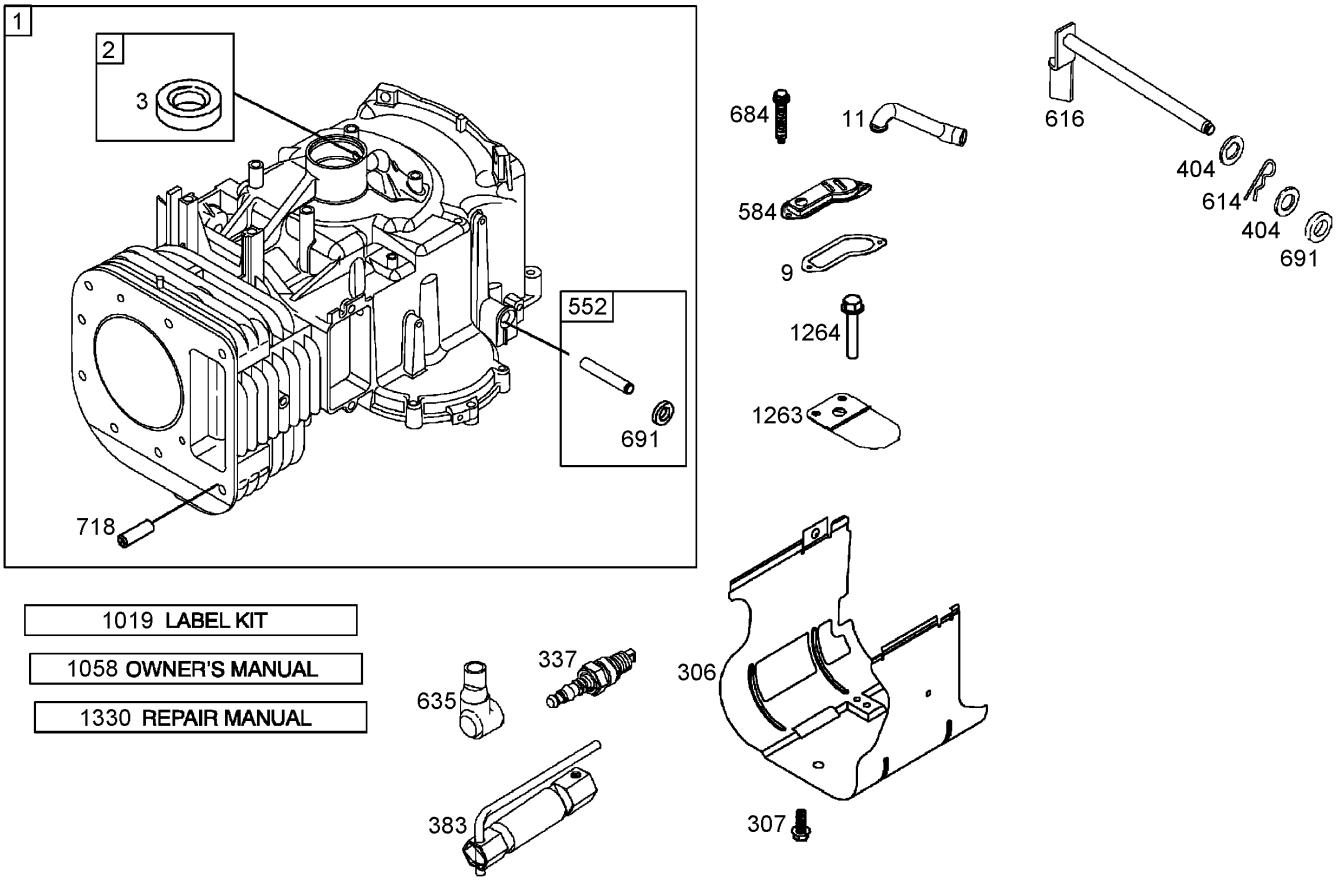
Ref	Part No.	Qty.	Description
1	3220-7	3	Nut-Jam
2	104-8426	2	Spacer
3	106637	3	Blade Kit (3 Pack)
4	3256-28	3	Washer-Flat
5	108-8527	3	Shaft-Spindle
6	106067	3	Cup-Spindle
7	106068	3	Spacer-Blade
8	32120-42	3	Ring-Retaining
9	100-1048	6	Bearing-Ball
10	116085	3	Tube
11	114568	3	Housing-Spindle
12	9080326	12	Screw-HH
13	108-7192	1	Belt-V
14	108-7165	3	Pulley ASM
15	3253-8	3	Washer-Lock
16	3220-6	3	Nut-Jam
17	302-19	1	Fitting-Grease
18	108-8551	1	Idler Arm ASM
18:2	1-513034	2	Sleeve-Bearing
19	1-603414	1	Spring-Extension
20	323-12	1	Screw-HH
21	9202574	3	Washer-Flat
22	3296-39	5	Nut-Lock, NI
23	3256-24	6	Washer-Flat

Ref	Part No.	Qty.	Description
24	106-2175	3	Pulley-Idler, Flat
25	1-809107	2	Washer-Hardened
26	1-603384	1	Bushing-Pivot, Idler
27	323-12	2	Screw-HH
28	1-800805	1	Screw-HH
29	323-9	1	Screw-HH
30	3217-7	1	Nut-Hex
31	106-5620	1	Tube-Interlock



Electrical Assembly

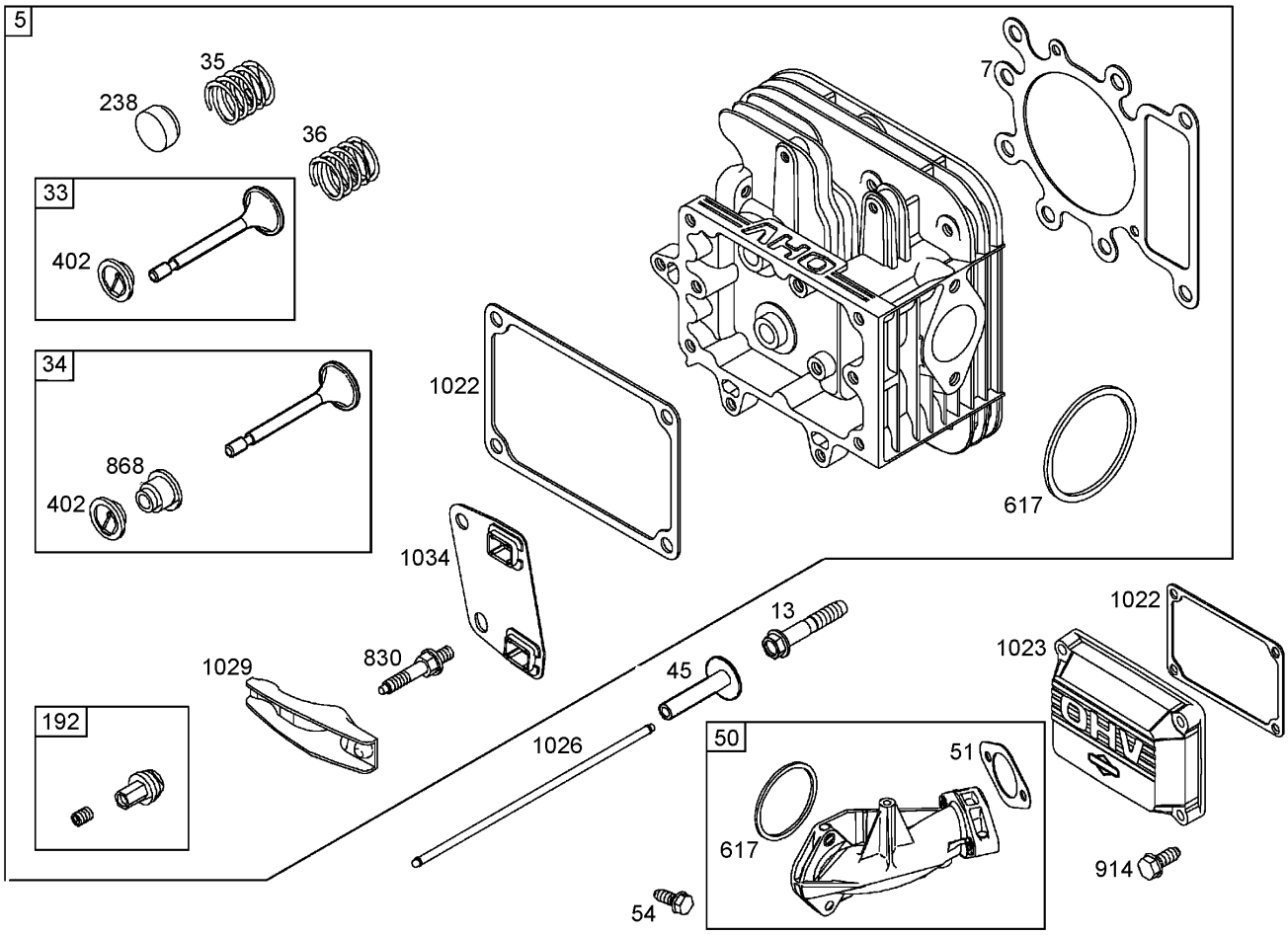
Ref	Part No.	Qty.	Description
1	104-2491	1	Battery
2	88-9830	1	Key Switch ASM
2:1	3254-5	1	Washer-Tooth
2:2	218-461	1	Nut-HH
3	63-8360	1	Key-Ignition
4	95-7489	1	Switch-PTO
5	28-8080	1	Boot-Terminal
6	106-2216	2	Switch
7	82-2190	1	Switch-Bail
8	106-8245	1	Solenoid-Starter
9	56-7670	2	Wire ASM
10	93-3190	1	Boot-Insulator, Terminal
11	95-7654	1	Cable-Negative, Black
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	108-8588	1	Harness-Wiring



Assemblies include all parts shown in frames.

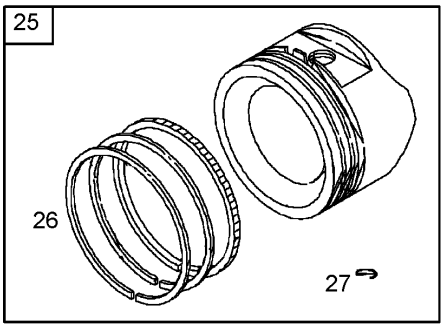
Cylinder Assembly
Briggs and Stratton 31K777-0190-E1

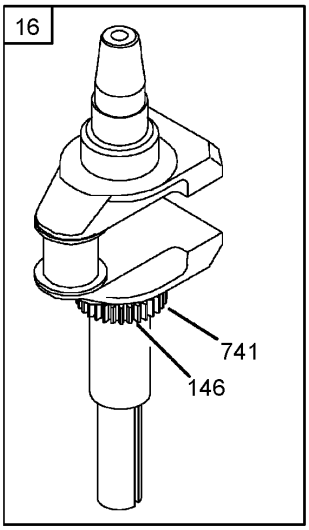
Ref	Part No.	Qty.	Description
❸1	697174	1	Cylinder ASM
❸2	399265	1	Bushing / Seal Kit (Magneto Side)
❸3	391086	1	Seal-Oil (Magneto Side)
❸9	697109	1	Gasket-Breather
❸11	697113	1	Tube-Breather
❶❸48	697762	1	Short Block ASM
❸306	697107	1	Shield-Cylinder
❸307	691003	1	Screw (Cylinder Shield)
❸337	491055	1	Plug-Spark
❸383	89838	1	Wrench-Plug, Spark
❸404	691691	1	Washer (Governor Crank)
❸552	697144	1	Bushing-Crank, Governor
❸584	697112	1	Cover-Passage, Breather
❸614	691620	1	Pin-Cotter
❸616	692012	1	Crank-Governor
❸635	691909	1	Boot-Spark Plug
❸684	697157	1	Screw (Breather Passage Cover)
❸691	692407	1	Seal-Shaft, Governor
❸718	690959	1	Pin-Locating
❸1019	697143	1	Label Kit
❸1058	275935	1	Operator's Manual
❸1263	697124	1	Reed-Breather
❸1264	697104	1	Screw (Breather Reed)
❸1330	272147	1	Repair Manual

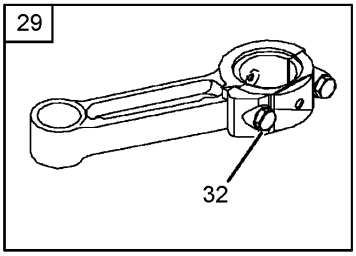


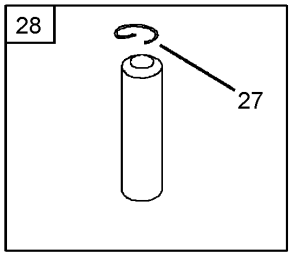
Cylinder Head Assembly
Briggs and Stratton 31K777-0190-E1

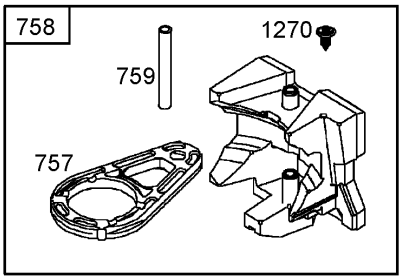
Ref	Part No.	Qty.	Description
❸5	698404	1	Head–Cylinder
❸7	699168	1	Gasket-Head, Cylinder
❸13	690360	1	Screw (Cylinder Head Gasket)
❸33	698370	1	Valve–Exhaust
❸34	695761	1	Valve-Intake
❸35	691279	1	Spring-Valve (Intake)
❸36	691279	1	Spring-Valve (Exhaust)
❸402	499586	1	Keeper-Valve
❸45	690564	1	Tappet-Valve
❸50	690193	1	Manifold-Intake
❸51	692137	1	Gasket-Intake
❸54	691148	1	Screw (Intake Manifold)
❸192	691986	1	Adjustor-Arm, Rocker
❸238	691843	1	Cap-Valve
❸617	692138	1	Seal-O Ring (Intake Manifold)
❸830	691095	1	Stud-Arm, Rocker
❸868	690968	1	Seal-Valve
❸914	691108	1	Screw (Rocker Cover)
❸1022	272475	1	Gasket-Cover, Rocker
❸1023	692492	1	Cover-Rocker
❸1026	692003	1	Rod–Push
❸1026	692011	1	Rod–Push
❸1029	791079	1	Cover-Rocker
❸1034	690822	1	Guide-Rod, Push





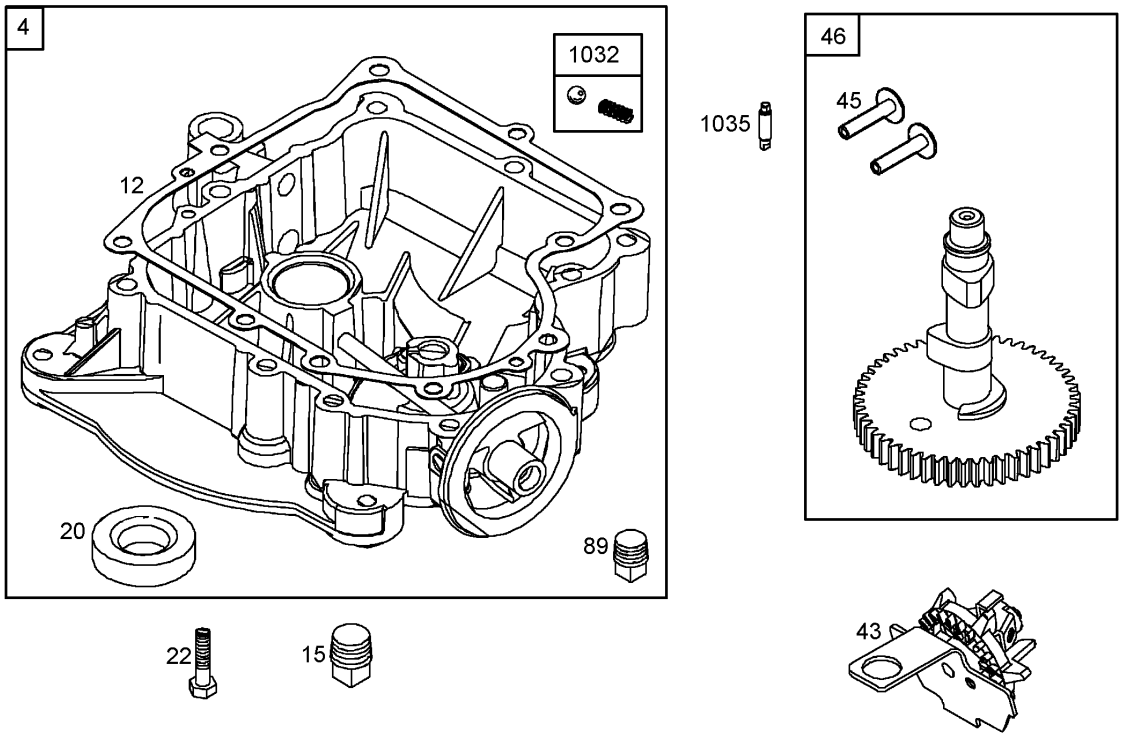






Crankshaft Assembly
Briggs and Stratton 31K777-0190-E1

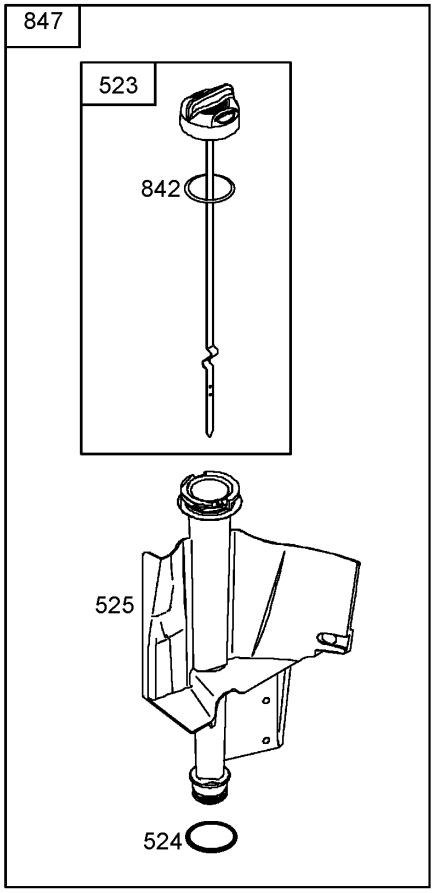
Ref	Part No.	Qty.	Description
❸16	697516	1	Crankshaft
❸24	222698	1	Key
❸25	699052	1	Piston ASM (Standard)
❸25	699054	1	Piston ASM (.020In Oversize)
❸26	697164	1	Ring Set (Standard)
❸26	697559	1	Ring Set (.020In Oversize)
❸27	698469	1	Lock-Pin, Piston
❸28	697099	1	Pin-Piston (STD)
❸29	697518	1	Rod–Connecting (Standard)
❸29	697264	1	Rod-Connecting (.020In Undersize)
❸32	692852	1	Screw (Connecting Rod)
❸146	690979	1	Key-Timing
❸741	697128	1	Gear-Timing
❸757	697607	1	Link-Counterweight
❸758	697134	1	Counterweight
❸759	697392	1	Pin-Counterweight
❸1270	697156	1	Plug-Counterweight, Avs

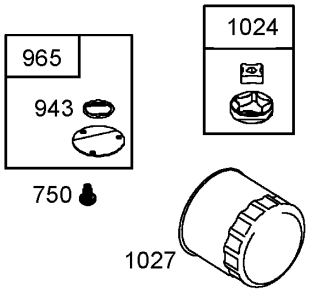


Assemblies include all parts shown in frames.

Crankcase Assembly
Briggs and Stratton 31K777-0190-E1

Ref	Part No.	Qty.	Description
❸4	697188	1	Sump-Engine
❸12	697110	1	Gasket-Crankcase
❸15	690946	1	Plug-Drain, Oil
❸20	690947	1	Seal-Oil (PTO Side)
❸22	692125	1	Screw (Engine Sump)
❸43	691968	1	Slinger-Governor, Oil
❸45	690564	1	Tappet-Valve
❸46	790400	1	Camshaft
❸89	690283	1	Plug-Oil
❸1032	491710	1	Ball–Pump, Oil
❸1035	693784	1	Shaft-Pump, Oil



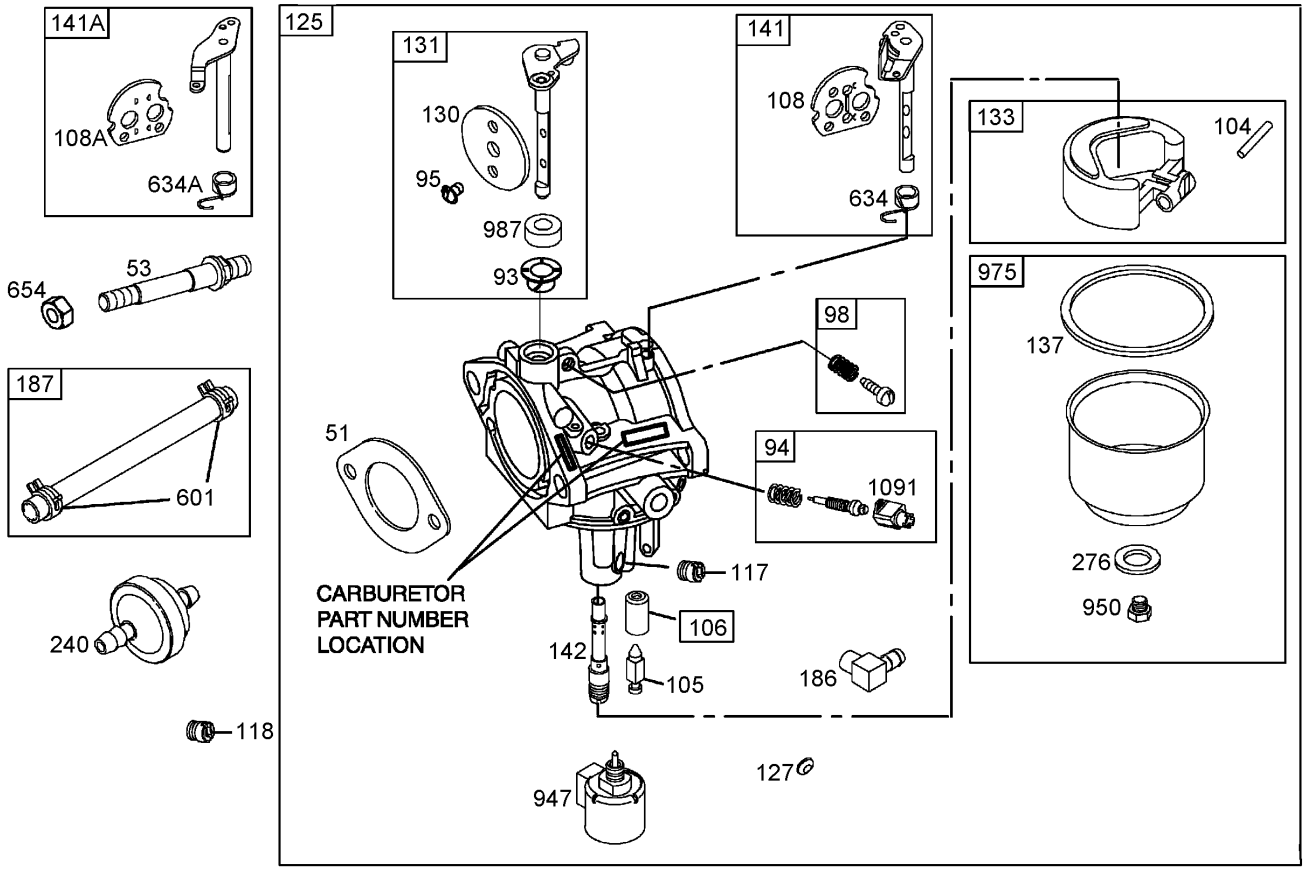


Assemblies include all parts shown in frames.

Oil Filter, Tube and Pump Assembly

Briggs and Stratton 31K777-0190-E1

Ref	Part No.	Qty.	Description
❸523	699908	1	Dipstick
❸524	691032	1	Seal-O Ring (Dipstick Tube)
❸525	697184	1	Tube-Dipstick
❸750	691033	1	Screw (Oil Pump Cover)
❸842	691031	1	Seal-O Ring (Dipstick)
❸847	790442	1	Dipstick And Tube ASM
❸943	690589	1	Seal–O Ring (Oil Pump Cover)
❸965	499613	1	Cover-Pump, Oil
❸1024	499054	1	Pump-Oil
❸1027	492932	1	Filter-Oil

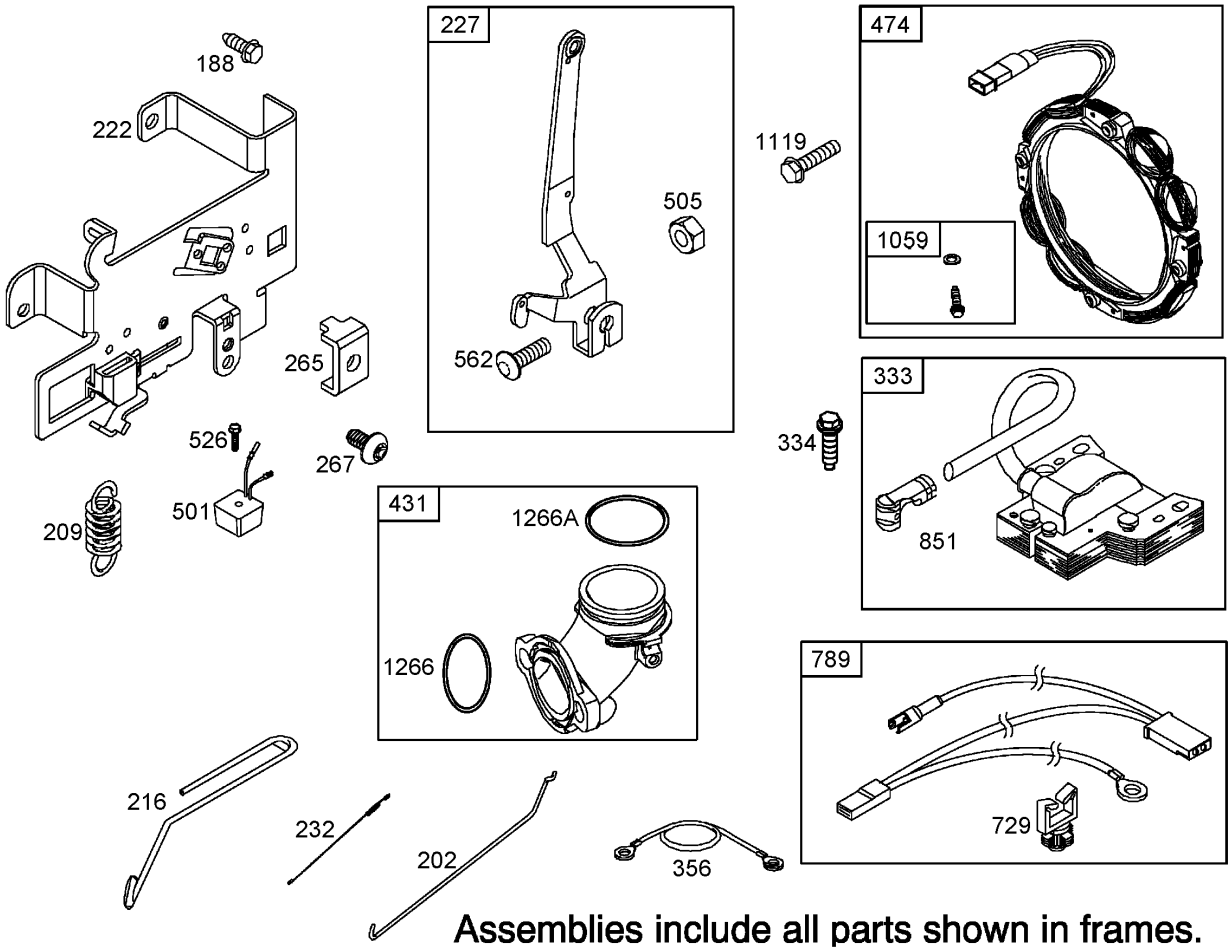


Assemblies include all parts shown in frames.

Carburetor Assembly
Briggs and Stratton 31K777-0190-E1

Ref	Part No.	Qty.	Description
❸51	692137	1	Gasket-Intake
❸53	690227	1	Stud (Carburetor)
❸93	690602	1	Bushing-Shaft, Throttle
❸94	498030	1	Idle Mixture Kit
❸95	691636	1	Screw (Throttle Valve)
❸98	495800	1	Idle Speed Kit
❸104	690525	1	Pin-Hinge, Carburetor Float
❸105	231855	1	Valve-Needle, Float
❸106	690577	1	Seat-Inlet
❸108	690464	1	Valve–Choke (Manual Choke)
❸108A	692344	1	Valve–Choke (Choke A Matic)
❸117	694352	1	Jet-Main (STD)
❸118	697228	1	Jet-Main (High Altitude)
❸125	698445	1	Carburetor
❸127	695005	1	Plug-Welch
❸130	691750	1	Valve-Throttle
❸131	494379	1	Throttle Shaft Kit
❸133	494381	1	Float-Carburetor
❸137	281165	1	Gasket-Bowl, Float
❸141	495097	1	Choke Shaft Kit (Manual Choke)
❸141A	495931	1	Choke Shaft Kit (Choke A Matic)
❸142	697140	1	Nozzle-Carburetor
❸186	698174	1	Connector-Hose

Ref	Part No.	Qty.	Description
❸187	697098		Line-Fuel (Cut To Required Length)
❸240	394358	1	Filter-Fuel
❸276	692255	1	Washer-Sealing
❸601	95162	1	Clamp-Hose
❸634	690801	1	Spring / Seal ASM
❸634A	690802	1	Spring And Seal ASM
❸654	690958	1	Nut (Carburetor)
❸947	694393	1	Solenoid-Fuel
❸950	691657	1	Screw (Float Bowl)
❸975	495933	1	Bowl-Float
❸987	691326	1	Seal-Shaft, Throttle
❸1091	691333	1	Cap-Limiter

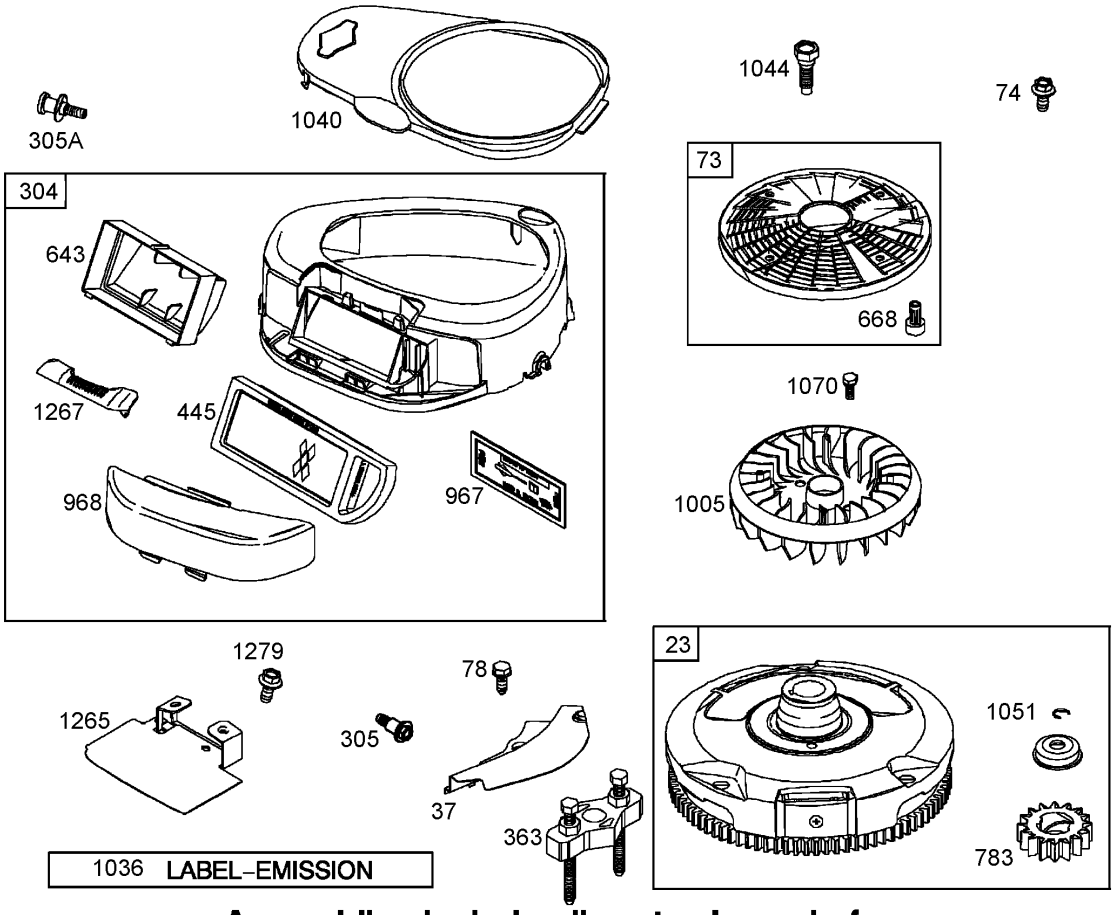


Assemblies include all parts shown in frames.

Governor Assembly
Briggs and Stratton 31K777-0190-E1

Ref	Part No.	Qty.	Description
❸188	691693	1	Screw (Control Bracket)
❸202	691841	1	Link-Governor, Mechanical
❸209	692208	1	Spring-Governor
❸216	691840	1	Link-Choke
❸222	694042	1	Bracket-Control
❸227	691374	1	Lever-Control, Governor
❸232	691842	1	Spring-Link, Governor
❸265	691024	1	Clamp-Casing
❸267	695134	1	Screw (Casing Clamp)
❸333	492341	1	Armature-Magneto
❸334	691061	1	Screw (Magneto Armature)
❸356	697089	1	Stop-Wire
❸431	697122	1	Elbow-Intake
❸474	696458	1	Alternator
❸501	691185	1	Regulator
❸505	691251	1	Nut (Governor Control Lever)
❸526	697348	1	Screw (Regulator)
❸562	691119	1	Bolt (Governor Control Lever)
❸729	691335	1	Clip–Wire
❸789	692037	1	Wiring-Harness
❸851	493880	1	Terminal-Spark Plug
❸1059	698516	1	Screw And Washer Kit
❸1119	691183	1	Screw (Alternator)
❸1266	691917	1	Seal-O Ring (Intake Elbow)

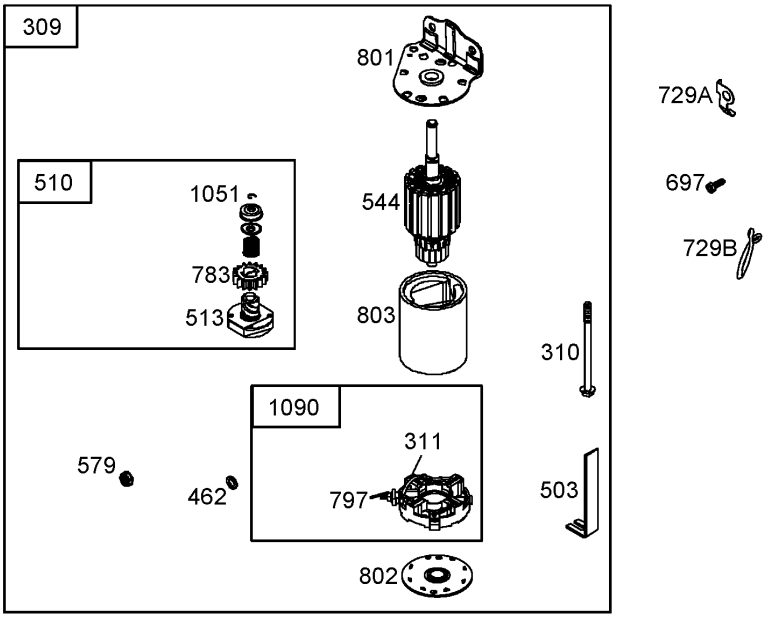
Ref	Part No.	Qty.	Description
❸1266A	697123	1	Seal-O Ring (Intake Elbow)



Assemblies include all parts shown in frames.

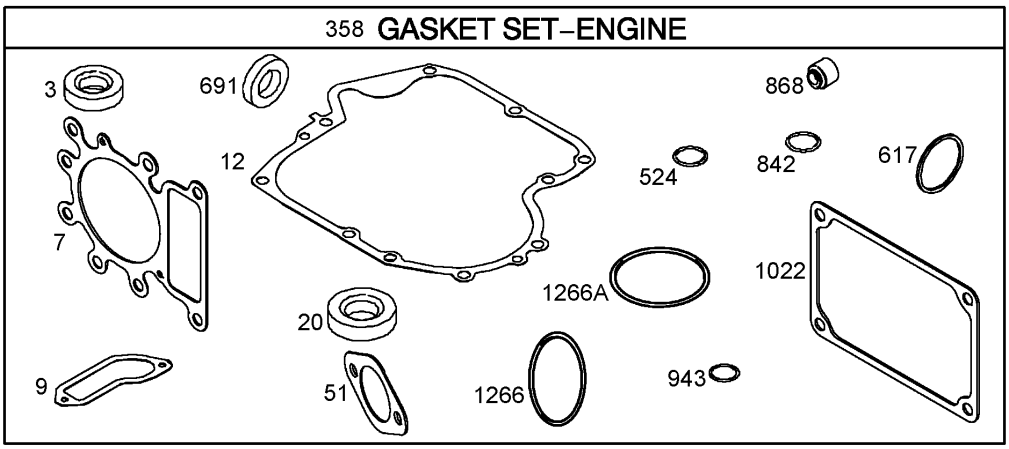
Blower Housing Assembly
Briggs and Stratton 31K777-0190-E1

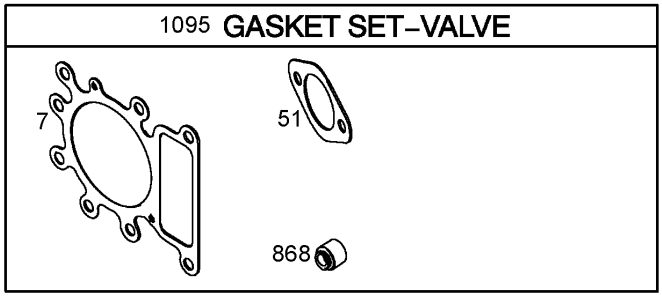
Ref	Part No.	Qty.	Description
❸23	693556	1	Flywheel
❸37	697108	1	Guard–Flywheel
❸73	499439	1	Screen-Rotating
❸74	691674	1	Screw (Rotating Screen)
❸78	691003	1	Screw (Flywheel Guard)
❸304	790009	1	Housing-Blower
❸305	697102	1	Screw (Blower Housing)
❸305A	697103	1	Screw (Blower Housing)
❸363	19203	1	Puller-Flywheel
❸445	697153	1	Filter–Cartridge, Air Cleaner
❸643	698401	1	Retainer-Filter, Air
❸668	691500	1	Spacer
❸783	693713	1	Gear-Pinion
❸967	697015	1	Filter-Cleaner, Pre
❸968	790008	1	Cover-Cleaner, Air
❸1005	697111	1	Fan–Flywheel
❸1036	790464	1	Label–Emission
❸1040	698470	1	Trim–Plate
❸1044	698139	1	Screw (Crankshaft Extension)
❸1051	691265	1	Ring-Retaining
❸1070	690372	1	Screw (Flywheel Fan)
❸1265	697125	1	Support–Housing, Blower
❸1267	697575	1	Latch–Housing, Blower
❸1279	691108	1	Screw (Blower Housing Support)



Starter Assembly
Briggs and Stratton 31K777-0190-E1

Ref	Part No.	Qty.	Description
❸309	693551	1	Motor-Starter
❸310	690323	1	Bolt (Starter Motor)
❸311	497608	1	Brush Set
❸462	691261	1	Washer (Brush Retainer)
❸503	691532	1	Strap-Starter
❸510	693699	1	Drive-Starter
❸513	692024	1	Clutch-Drive
❸544	692034	1	Armature-Starter
❸579	691029	1	Nut (Brush Retainer)
❸697	690372	1	Screw (Drive Cap)
❸729A	691224	1	Clip-Wire
❸729B	694123	1	Clip–Wire
❸783	693713	1	Gear-Pinion
❸797	693167	1	Nut (Brush Retainer)
❸801	691283	1	Cap-Drive
❸802	691286	1	Cap-End
❸803	693757	1	Housing-Starter
❸1051	691265	1	Ring-Retaining
❸1090	691293	1	Retainer-Brush

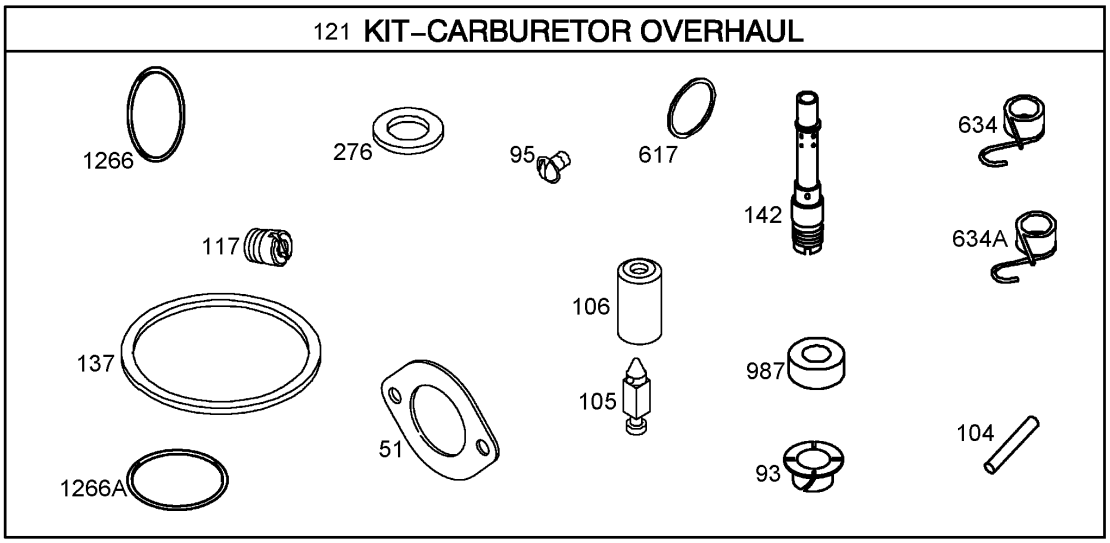


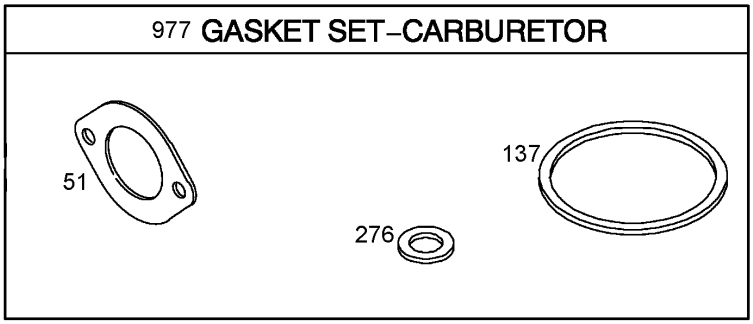


Assemblies include all parts shown in frames.

Engine and Valve Gasket Set Assemblies
Briggs and Stratton 31K777-0190-E1

Ref	Part No.	Qty.	Description
❸3	391086	1	Seal-Oil (Magneto Side)
❸7	699168	1	Gasket-Head, Cylinder
❸9	697109	1	Gasket-Breather
❸12	697110		Gasket-Crankcase
❸20	690947	1	Seal-Oil (PTO Side)
❸51	692137	1	Gasket-Intake
❸358	697191	1	Gasket Set–Engine
❸617	692138	1	Seal (Intake Manifold)
❸524	691032	1	Seal (Dipstick Tube)
❸691	692407	1	Seal-Shaft, Governor
❸842	691031	1	Seal (Dipstick Tube)
❸868	690968	1	Seal-Valve
❸943	690589	1	Seal–O Ring (Oil Pump Cover)
❸1022	272475	1	Gasket-Cover, Rocker
❸1095	691581	1	Valve Gasket Set
❸1266	691917	1	Seal-O Ring (Intake Elbow)
❸1266A	697123	1	Seal-O Ring (Intake Elbow)





Assemblies include all parts shown in frames.

Carburetor Overhaul Kit and Gasket Set Assemblies
Briggs and Stratton 31K777-0190-E1

Ref	Part No.	Qty.	Description
❸51	692137	1	Gasket-Intake
❸93	690602	1	Bushing-Shaft, Throttle
❸95	691636	1	Screw (Throttle Valve)
❸104	690525	1	Pin-Hinge, Carburetor Float
❸105	231855	1	Valve-Needle, Float
❸106	690577	1	Seat-Inlet
❸117	694352	1	Jet-Main (STD)
❸121	697241	1	Carburetor Overhaul Kit
❸137	281165	1	Gasket-Bowl, Float
❸142	697140	1	Nozzle-Carburetor
❸276	692255	1	Washer-Sealing
❸617	692138	1	Seal (Intake Manifold)
❸634	690801	1	Spring / Seal ASM
❸634A	690802	1	Spring And Seal ASM
❸977	690192	1	Carburetor Gasket Set
❸987	691326	1	Seal-Shaft, Throttle
❸1266	691917	1	Seal-O Ring (Intake Elbow)
❸1266A	697123	1	Seal-O Ring (Intake Elbow)

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