Form Number 3352-987 Rev B

50cm Recycler® Lawnmower

Model No. 20654 - 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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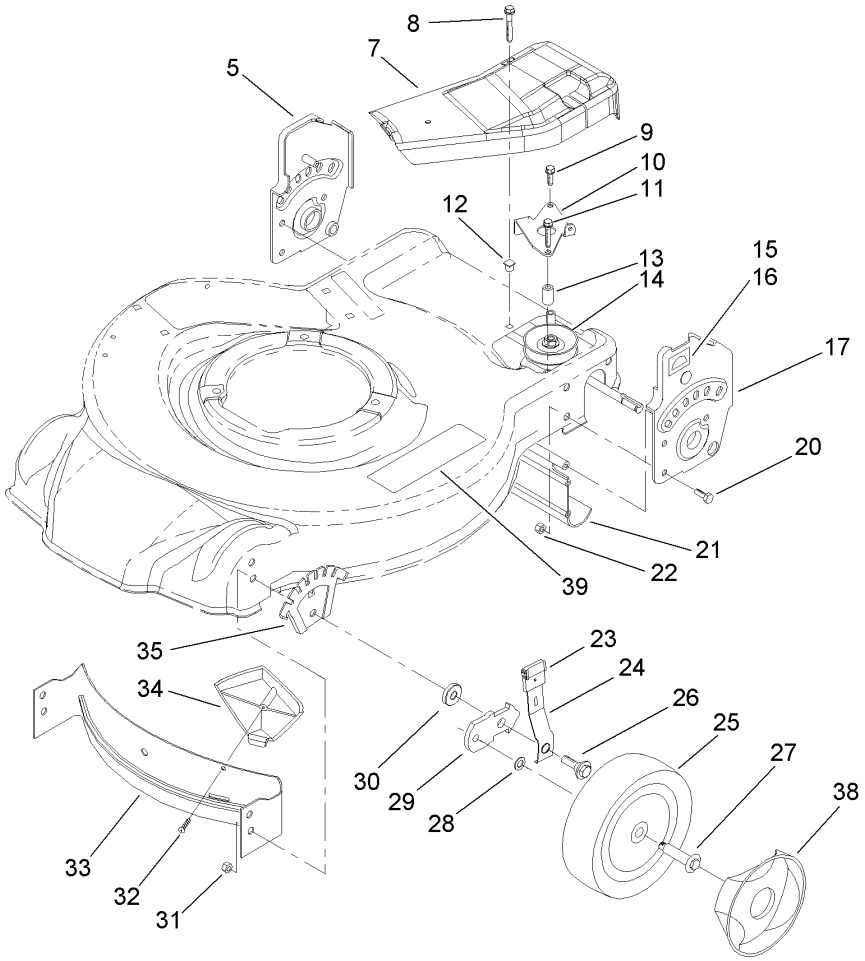
Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

AR. . . . . as required
ASM. . . . . assembly
BBC. . . . . blade brake clutch
CARR. . . . . carriage
DEG. . . . . degrees
EXT. . . . . external
FH. . . . . flat head
GA. . . . . gauge
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
INC. . . . . incorporated
LH. . . . . left hand
NI. . . . . nylon insert
NPTF. . . . . national pipe thread fine
PFH. . . . . phillips flat head
PPH. . . . . phillips pan head
PPHTF. . . . . phillips pan head thread forming
PRH. . . . . phillips round head
PTH. . . . . phillips truss head
PTO. . . . . power-take-off
RH. . . . . right hand
ROPS. . . . . roll-over-protection-system
SFH. . . . . slotted fillister head
SHH. . . . . slotted hex head
SHWH. . . . . slotted hex washer head
SPH. . . . . slotted pan head
SQH. . . . . square head
SRH. . . . . slotted round head
STD. . . . . standard
TAP. . . . . self tapping
TTH. . . . . torx truss head

Footnotes

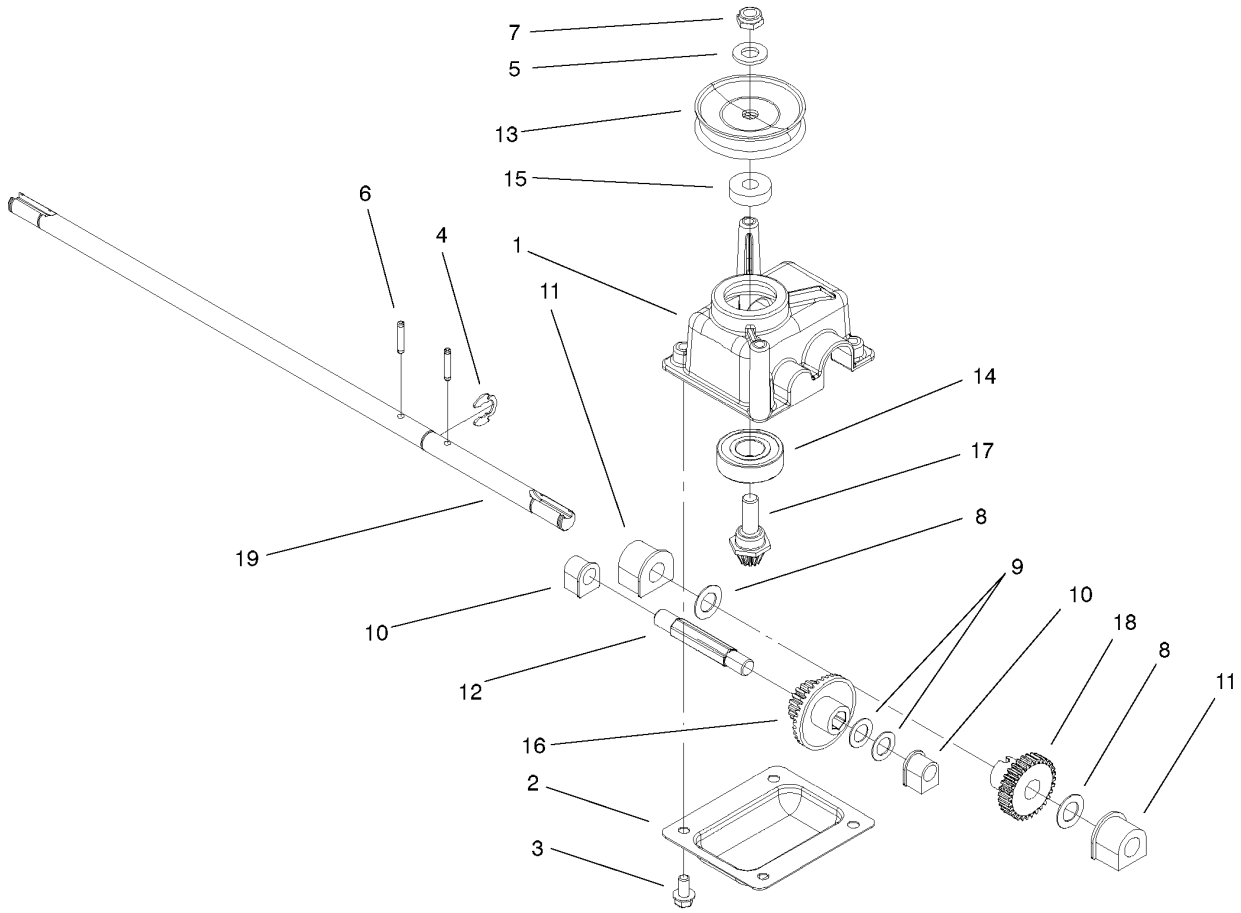
❶ Not illustrated
❷ Not serviced separately
❸ Included in Engine Gasket Set-Ref. 358.
❹ Included in Carburetor Overhaul Kit-Ref. 121.
❺ Included in Carburetor Gasket Set-Ref. 977.
❻ Obtain from your local Briggs & Stratton dealer



Housing Assembly

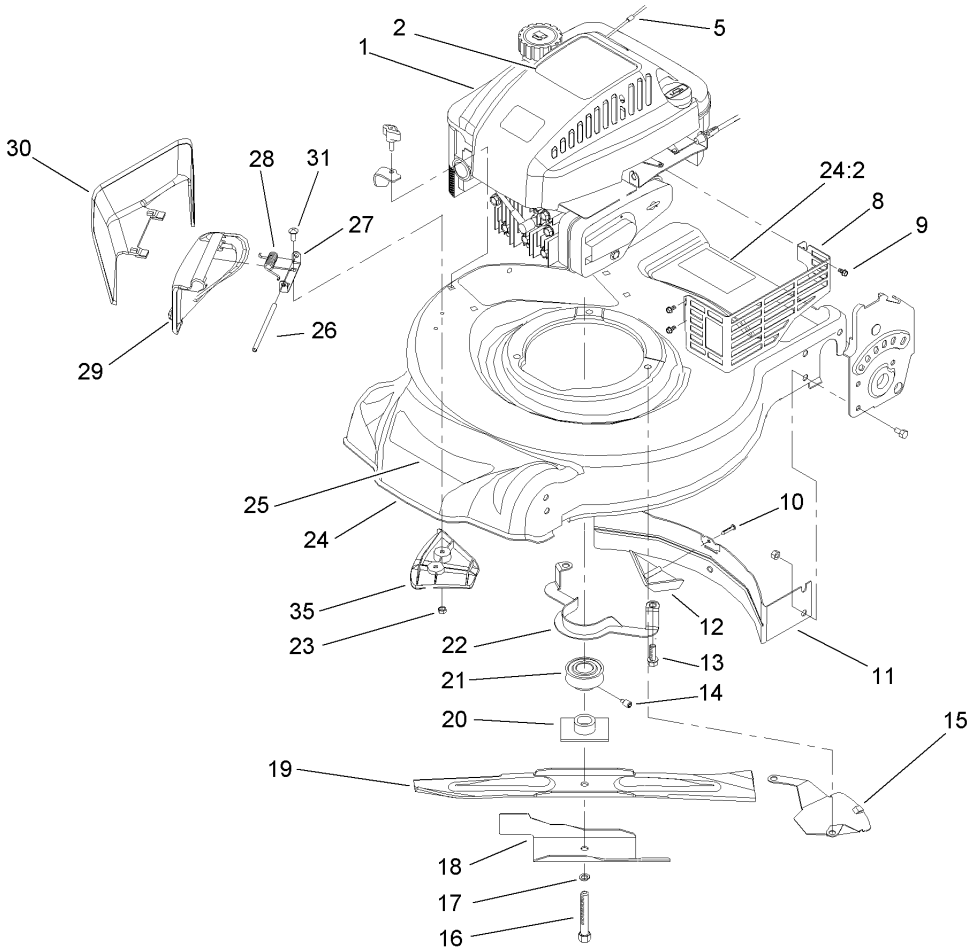
Ref	Part No.	Qty.	Description
5	93-0234	1	RH Handle Bracket ASM
7	93-0209	1	Cover-Transmission
8	32144-119	1	Screw-PTH
9	49-2040	1	Screw-HWHTF
10	93-0228-03	1	Guide-Transmission
11	92-1616	1	Screw-HWHTF
12	605120	1	Nut-Clip
13	614673	1	Bushing-Plate, Actuator
14	104-7677	1	Gear Case ASM
15	93-6670	1	Decal-HOC
16	93-6671	1	Decal-HOC
17	93-0233	1	LH Handle Bracket ASM
20	322-3	6	Screw-HH
21	92-8647	1	Shield-Trailing
22	3296-29	6	Nut-Lock, NI
23	92-1008	2	Knob-Lever, Height Adjustment
24	614687	2	Arm-Front Spring
25	99-6470	2	Wheel ASM
26	614650	2	Bolt-Shoulder
27	614672	2	Bolt-Shoulder
28	40-1940	2	Washer
29	95-7403-03	2	Bracket-Height Adjustment, Wheel
30	92-4890	2	Washer
31	3296-39	2	Nut-Lock, NI

Ref	Part No.	Qty.	Description
32	93-0231	1	Screw-PPH
33	100-1179-03	1	Baffle-Front
34	93-0216	1	Kicker-Front
35	92-4881-03	2	Plate-Height, Adjustment
38	95-6543	2	Cover-Wheel
39	93-4105	1	Decal-Danger



Gear Case Assembly No.104-7677

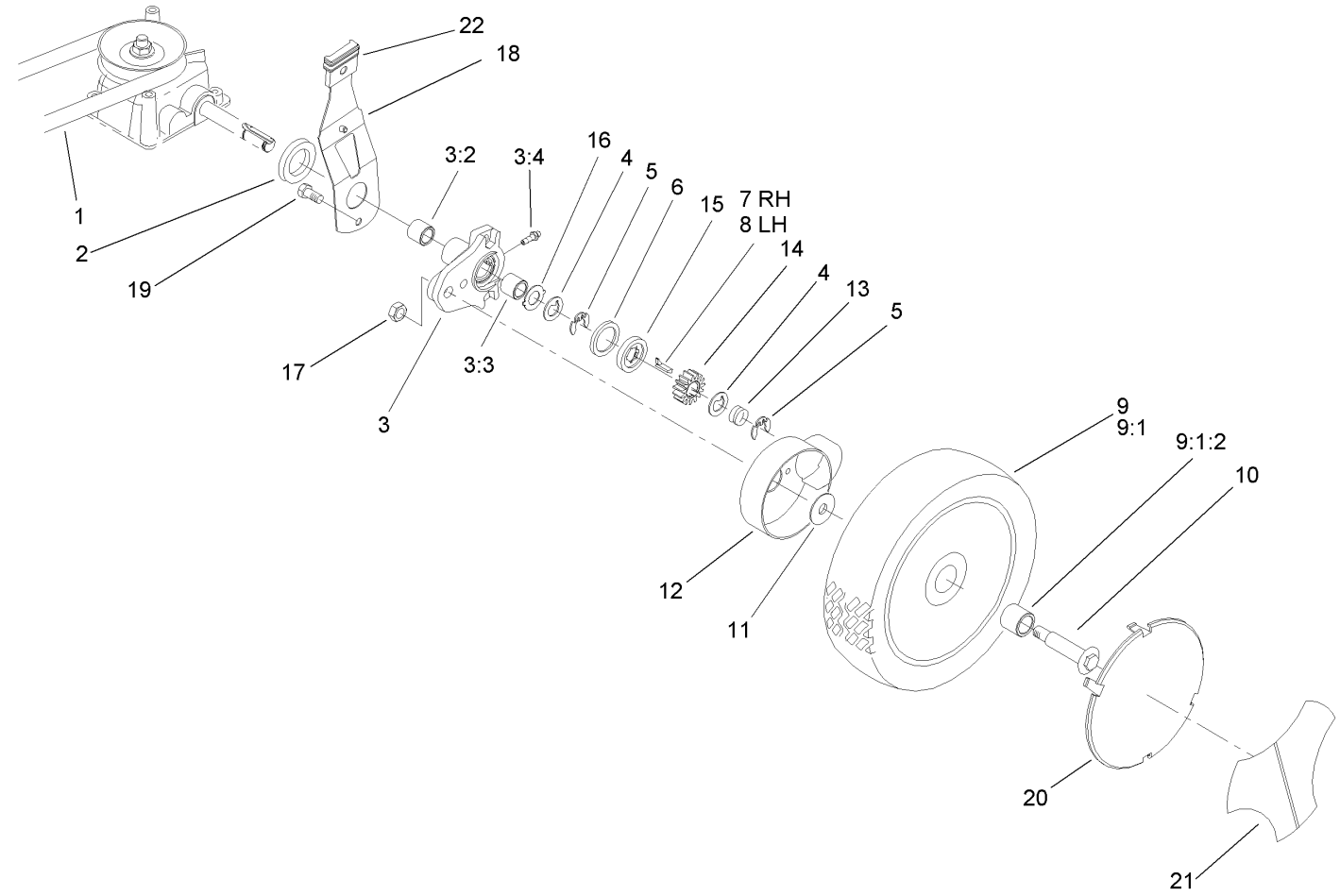
Ref	Part No.	Qty.	Description
1	104-7619	1	Case-Gear
2	614668-03	1	Cover-Case, Gear
3	32144-4	4	Screw-HWH
4	32151-68	1	Ring-Retaining
5	3256-24	1	Washer-Flat
6	3285-19	2	Pin-Groove
7	3296-5	1	Nut-Lock
8	36-4780	2	Washer
9	36-4791	2	Washer-Thrust
10	60-8750	2	Bushing
11	60-8850	2	Bushing
12	614696	1	Shaft-Intermediate
13	100-1176	2	Pulley-Half
14	100-1048	1	Bearing-Ball
15	62-6660	1	Spacer
16	104-1005	1	Gear-19T Spur, 37T Bevel
17	104-7667	1	Gear-Pinion, Bevel
18	104-1004	1	Gear-30T
19	104-7670	1	Shaft-Output



Engine and Blade Assembly

Ref	Part No.	Qty.	Description
❷❻1		1	Engine-Briggs And Stratton, 122K02-0172-E1
2	107-3748	1	Decal-Recoil
5	2210-316	1	Stop-Rope Need Order
8	104-7577-03	1	Shield-Muffler
9	32144-1	3	Screw-Taptite
10	93-0231	1	Screw-PPH
11	93-0223-03	1	Baffle-Rear
12	93-0217	1	Kicker-Rear
13	95-1726	3	Screw-Taptite
14	105-8875	1	Screw-Set, Cone Point
15	93-4196-03	1	Shield-Grass
16	26-0671	1	Screw-Blade
17	3290-465	1	Washer-Belleville
18	93-0219-03	1	Accelerator
19	93-0241-03	1	Blade
20	104-7609	1	Retainer-Blade, Ce
21	95-1878	1	Pulley
22	92-1024-03	1	Guide-Belt
23	32128-32	2	Nut-HHF
24	104-0228	1	Housing
24:2	93-4105	1	Decal-Danger
25	108-8116	1	Decal-Housing
26	99-5291	1	Rod-Cover

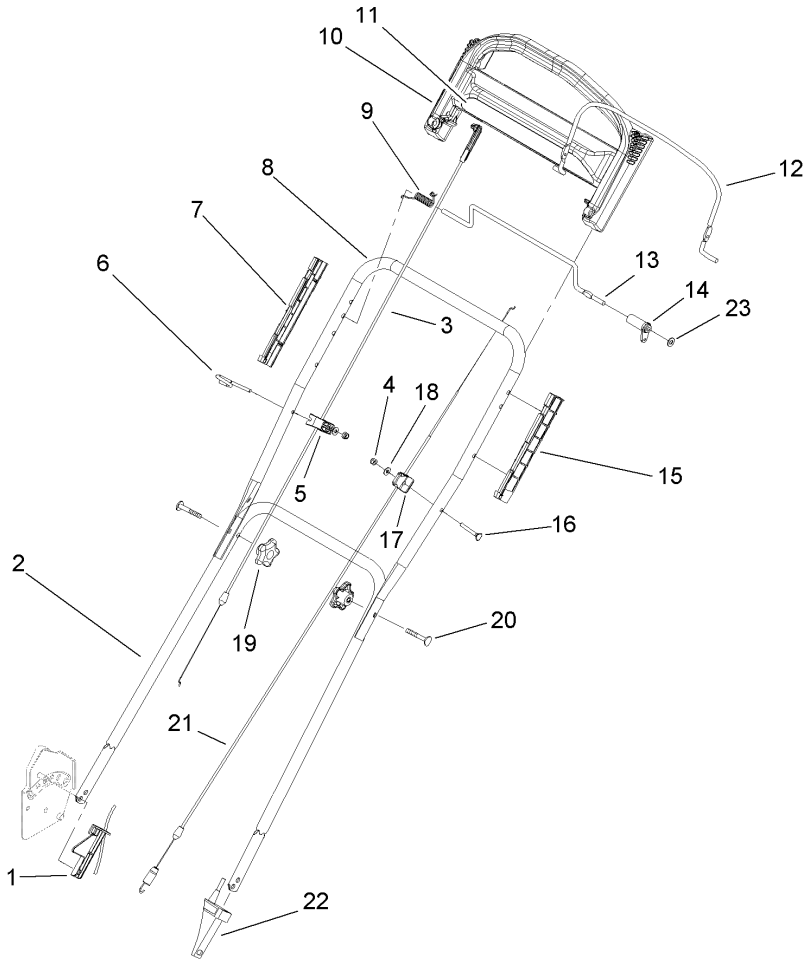
Ref	Part No.	Qty.	Description
27	99-5292	1	Bracket-Cover
28	99-5293	1	Spring-Torsion
29	99-5294	1	Cover-Side
30	99-5295	1	Chute-Side
31	3229-11	2	Screw-CARR
35	99-6349	1	Baffle



Gearcase and Wheel Assembly

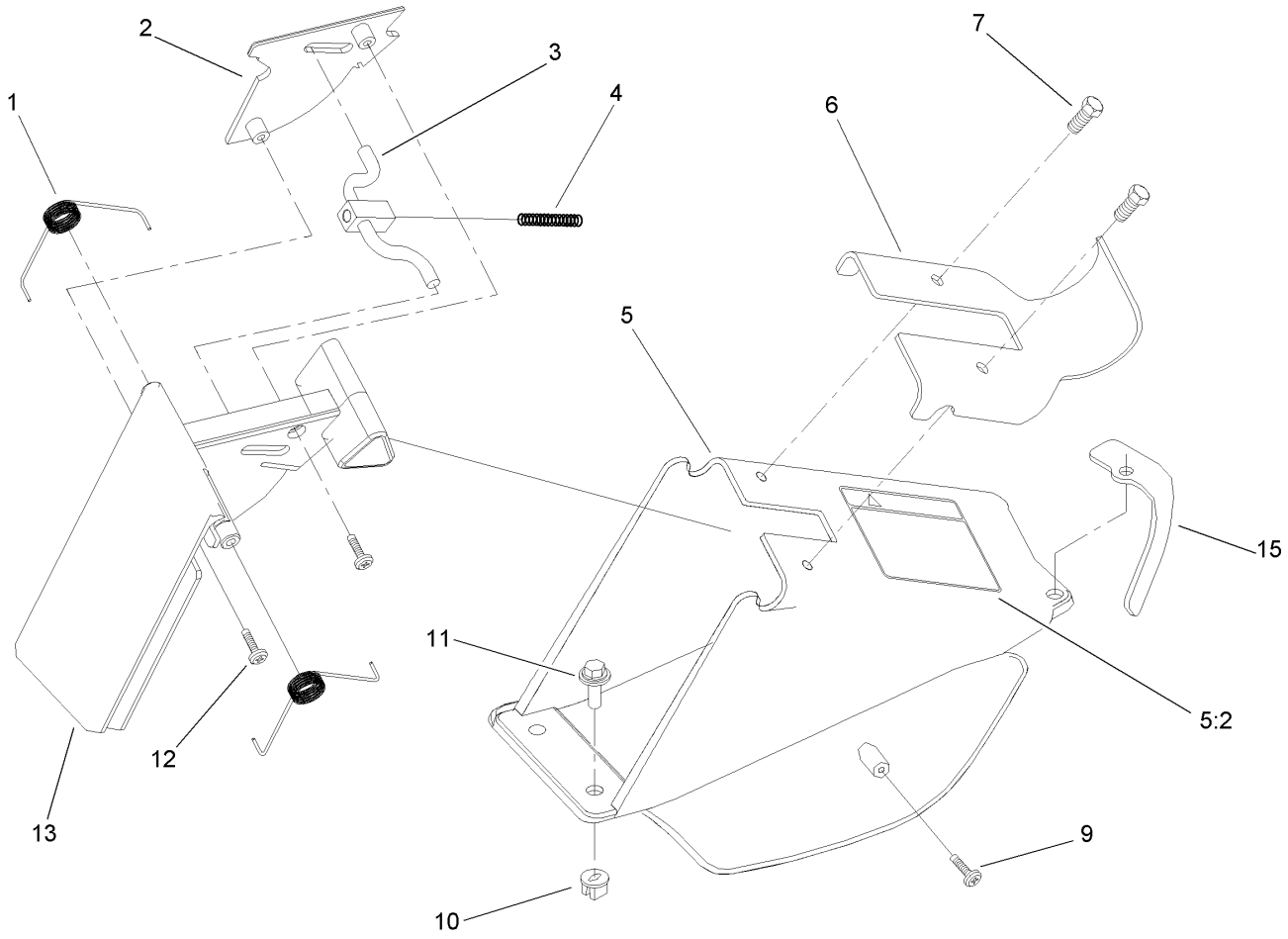
Ref	Part No.	Qty.	Description
1	93-0232	1	V-Belt
2	614447	2	Spacer-Axle Shaft
3	92-7746	2	Rear Height Adjustment Arm ASM
3:2	70-9760	1	Bushing
3:3	47-2900	1	Bushing
3:4	302-56	1	Fitting-Grease
4	65-4740	4	Washer-Thrust, Keyed
5	65-2720	4	Klipring-Locking
6	65-4710	2	Ring-Friction
7	66-6040	1	Key-Rocking, RH
8	66-6050	1	Key-Rocking, LH
9	99-6471	2	Wheel And Tire ASM
❶9:1		1	Wheel ASM
9:1:2	27-6250	2	Bushing
10	92-1057	2	Bolt-Shoulder
11	614426	2	Washer-Stepped
12	94-1609	2	Cover-Wheel
13	65-4720	2	Spring-Compression
14	65-4750	2	Gear-Pinion
15	65-4760	2	Washer-Clutch
16	65-4730	2	Washer-Arm, Pivot
17	603773	2	Nut
18	92-1004	2	Rear Spring Arm ASM
19	32144-85	2	Screw-HWH

Ref	Part No.	Qty.	Description
20	100-4366	1	Cover-Smart Wheel
21	100-1519	1	Label-Wheel, Smart
22	92-1008	2	Knob-Lever, Height Adjustment



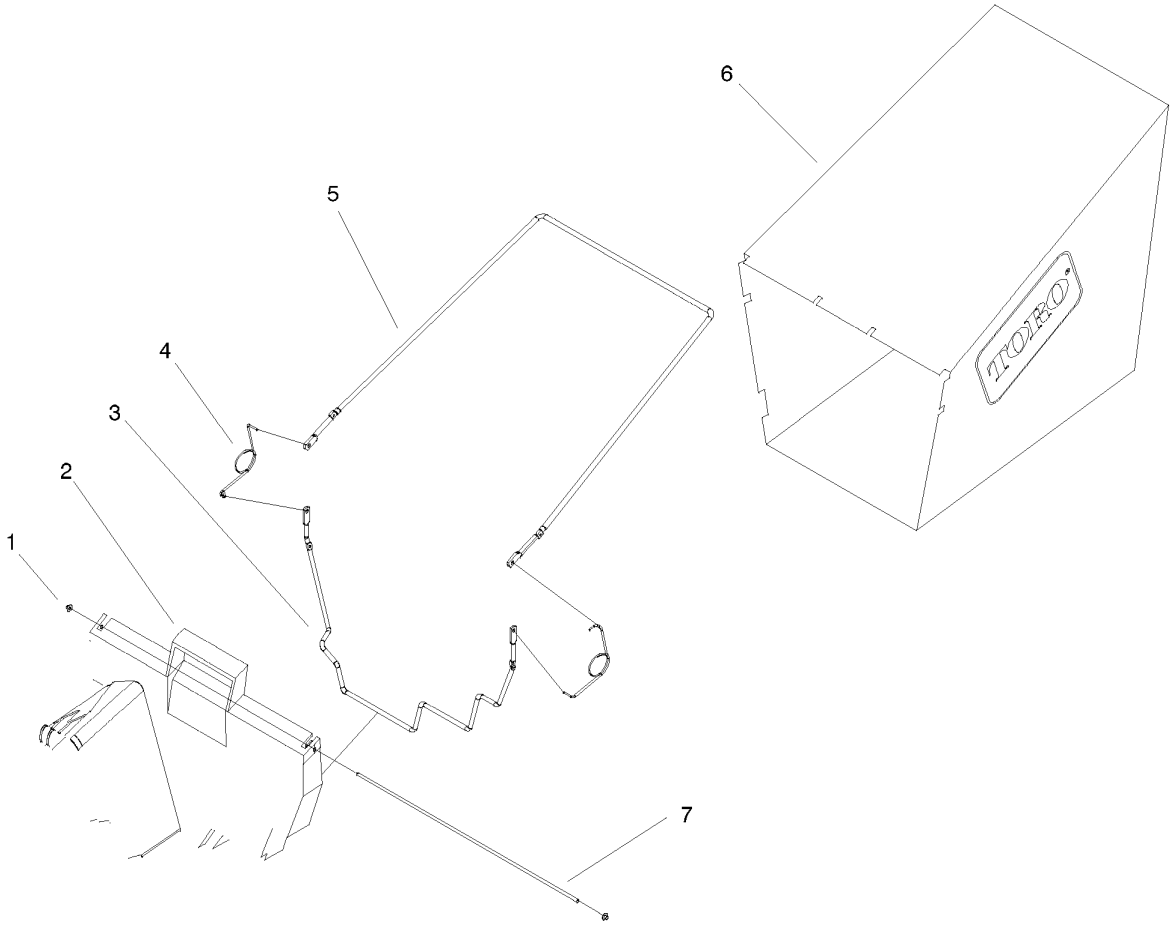
Handle Assembly

Ref	Part No.	Qty.	Description
1	104-1013	1	Guard-Cable
2	614643-05	1	Handle-Lower
3	106-8349	1	Cable-Brake
4	3296-73	2	Nut-Lock, NI
5	106-8331	1	Anchor-Cable
6	106-8330	1	Guide-Rope
7	105-6841	1	Guide-RH
8	106-8327-05	1	Handle-Upper
9	104-8690	1	Spring-Torsion
10	104-8678	1	Handle-Control
11	107-3762	1	Decal-Handle
12	104-8679-03	1	Bail-Brake
13	99-1588	1	Bar-Control, Traction
14	99-1589	1	Lever-Traction
15	105-6842	1	Guide-LH
16	95-4453	1	Screw
17	92-7729	1	Anchor-Cable, Upper
18	3256-1	2	Washer-Flat
19	108-8162	2	Knob-Locking
20	614697	2	Screw
21	105-1844	1	Cable-Traction
22	93-7380	1	Anchor-Cable
23	3256-23	1	Washer-Flat



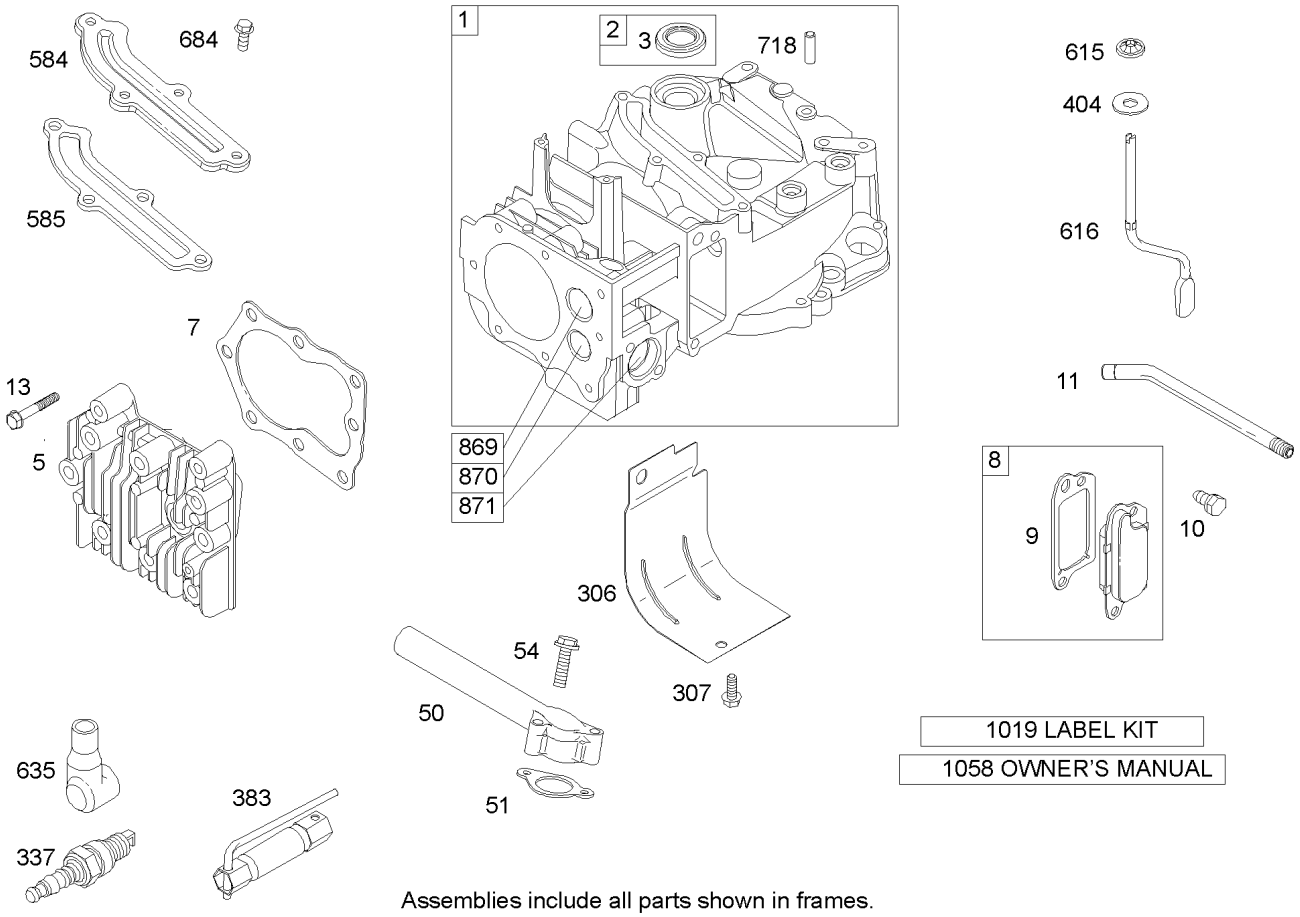
Rear Bag Discharge Chute Assembly

Ref	Part No.	Qty.	Description
1	88-1090	2	Spring-Door, RH
2	33-0441	1	Door Cover
3	88-1800	1	Latch-Door
4	33-0450	1	Spring-Compression, Latch
5	104-0217	1	Discharge Chute ASM
5:2	104-0578	1	Decal-Danger
6	98-2696-03	1	Plate-Chute, Discharge
7	46-8090	2	Screw-Plastite
9	32144-111	1	Screw-PPH
10	94-1610	4	Nut-Clip
11	46-6811	4	Screw-HWH
12	32144-32	2	Screw
13	93-0264	1	Door-Discharge
15	100-1589-03	1	Clamp-Door



Rear Grass Bag Assembly

Ref	Part No.	Qty.	Description
1	3290-422	2	Nut-Push
2	93-0266	1	Door-Bag
3	93-0282	1	Frame-Lower Bag
4	36-6910	2	Spring
5	93-0281	1	Frame-Upper Bag
6	93-0284	1	Bag-Grass
7	93-0283	1	Hinge-Bag Door

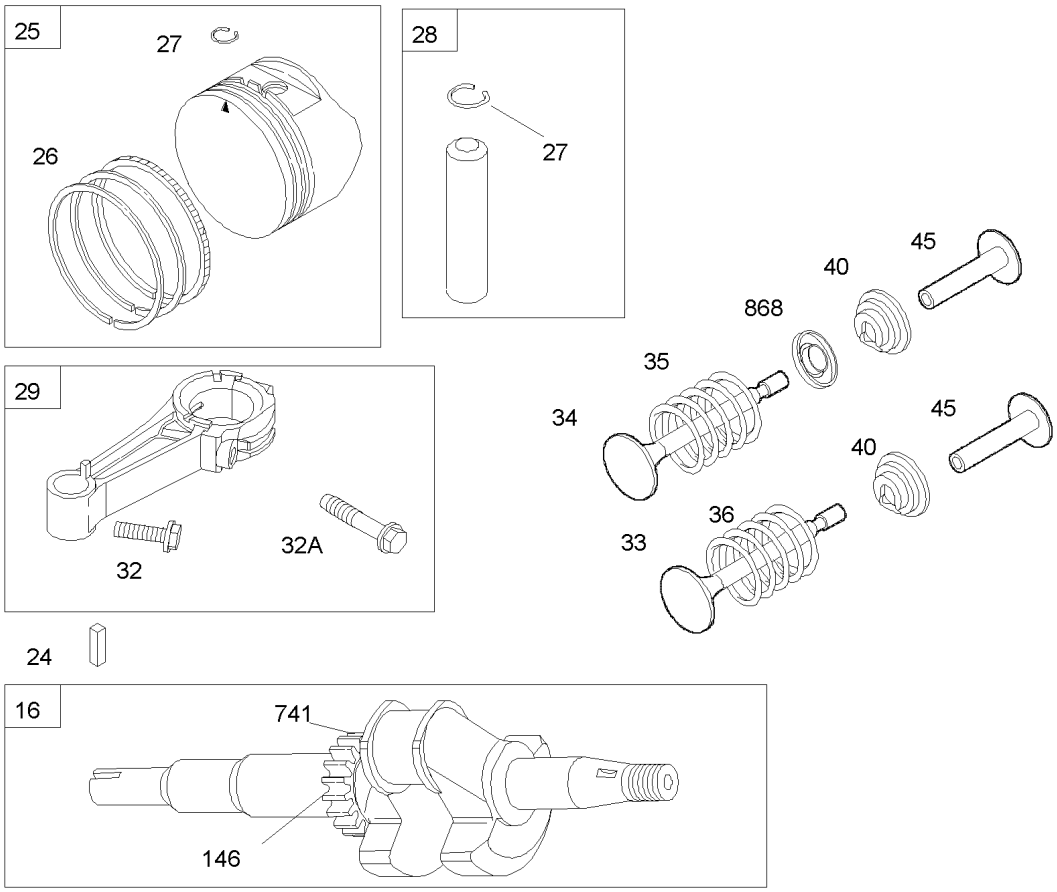


Assemblies include all parts shown in frames.

Cylinder Assembly
Briggs and Stratton 122K02-0172-E1

Ref	Part No.	Qty.	Description
❻1	697322	1	Cylinder ASM
❻2	399269	1	Bushing/Seal Kit
❸❻3	299819	1	Seal–Oil
❻5	691160	1	Head–Cylinder
❸❻7	692249	1	Gasket–Head, Cylinder
❻8	695250	1	Breather ASM
❻9	699472	1	Gasket–Breather
❻10	691125	1	Screw
❻11	691781	1	Tube–Breather
❻13	690912	1	Screw
❻50	497465	1	Manifold–Intake
❸❻51	272199	1	Gasket–Intake
❻54	691650	1	Screw
❻306	690450	1	Shield-Cylinder
❻307	690345	1	Screw
❻337	802592	1	Plug–Spark
❻383	89838	1	Wrench-Plug, Spark
❻404	690272	1	Washer
❻584	697734	1	Cover–Passage, Breather
❸❻585	691879	1	Gasket–Passage, Breather
❻615	690340	1	Retainer–Shaft, Governor
❻616	698801	1	Crank–Governor
❻635	66538	1	Boot–Plug, Spark
❻684	690345	1	Screw

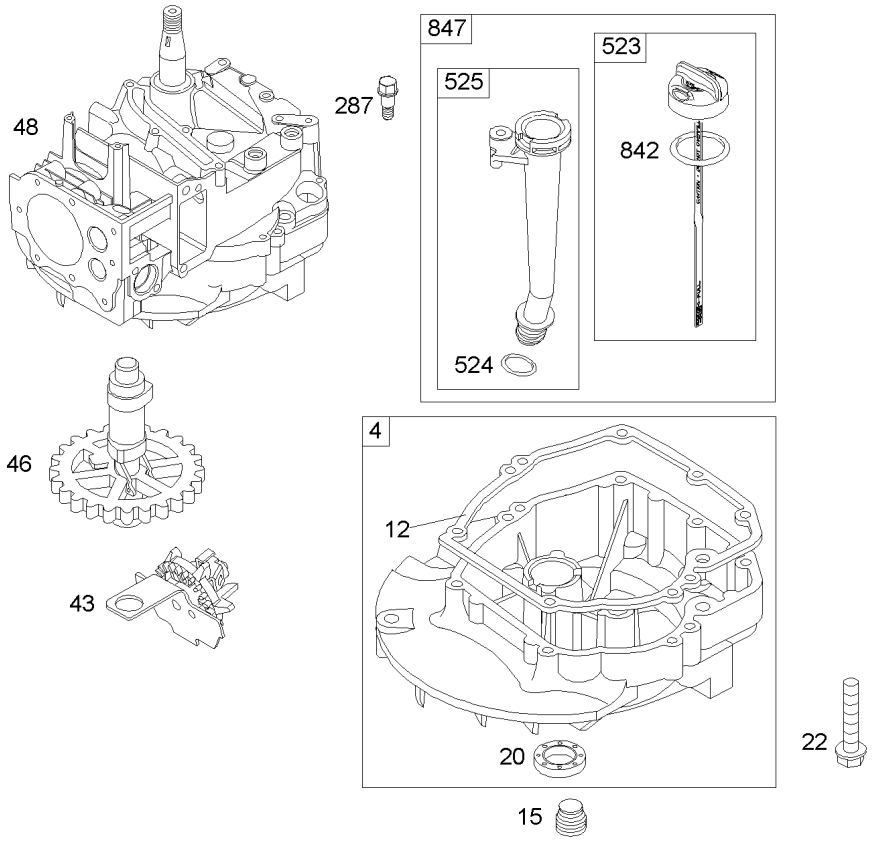
Ref	Part No.	Qty.	Description
❻718	690959	1	Pin-Locating
❻869	691155	1	Seat–Valve (Intake)
❻870	690380	1	Seat–Valve (Exhaust)
❻871	262001	1	Bushing–Guide (Exhaust)
❻	63709	1	Bushing–Guide (Intake)
❻1019	494256	1	Label Kit
❻1058	275177	1	Manual-Owner's



Assemblies include all parts shown in frames.

Crankshaft Assembly
Briggs and Stratton 122K02-0172-E1

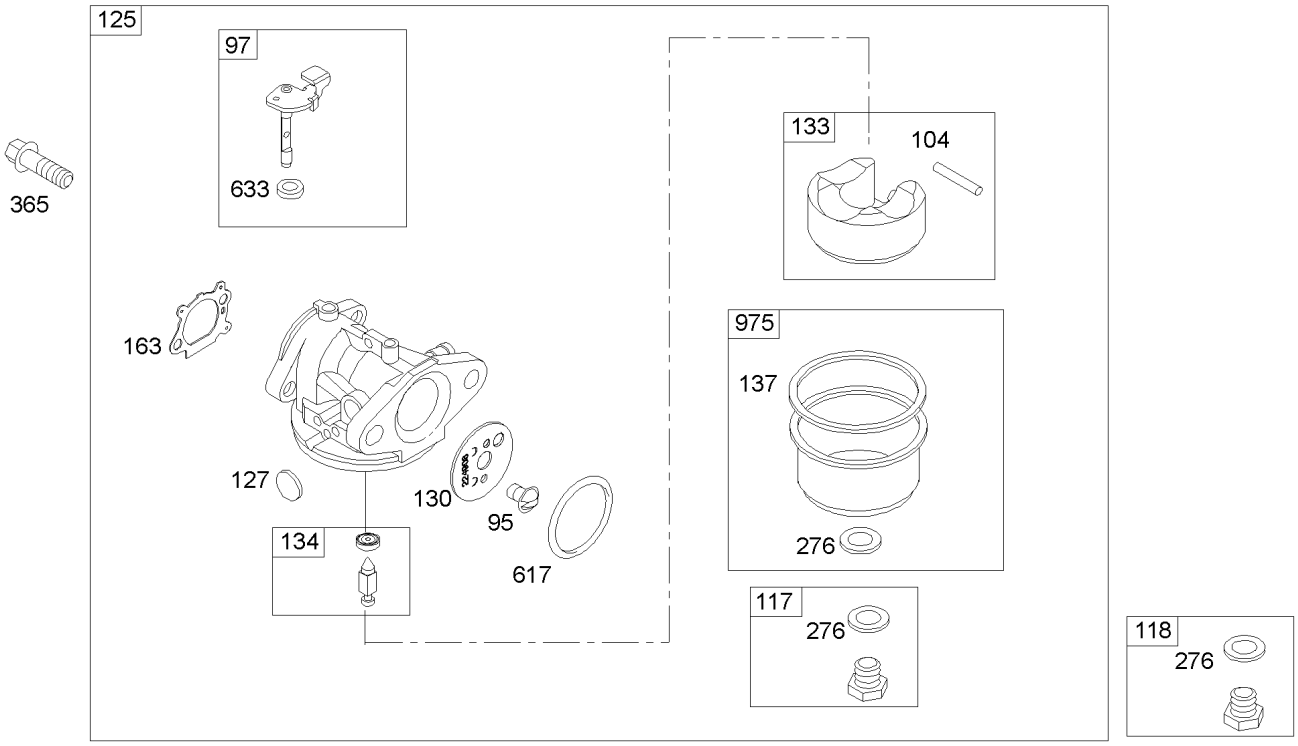
Ref	Part No.	Qty.	Description
❻16	696009	1	Crankshaft
❻24	222698	1	Key
❻25	697339	1	Piston ASM (Standard)
❻	697341	1	Piston ASM (.020In Oversize)
❻26	499425	1	Ring Set (Standard)
❻	499427	1	Ring Set (.020In Oversize)
❻27	691866	1	Lock–Pin, Piston
❻28	499423	1	Pin-Piston (STD)
❻	298908	1	Pin-Piston (.005In Undersize)
❻29	499424	1	Rod-Connecting
❻32	691664	1	Screw
❻32A	695759	1	Screw
❻33	262651	1	Valve–Exhaust
❻34	262652	1	Valve–Intake
❻35	691270	1	Spring–Valve
❻36	691270	1	Spring–Valve
❻40	692194	1	Retainer–Valve
❻45	690548	1	Tappet–Valve
❻146	690979	1	Key-Timing
❻741	691830	1	Gear–Timing
❻868	697338	1	Seal–Valve



Assemblies include all parts shown in frames.

Crankcase Assembly
Briggs and Stratton 122K02-0172-E1

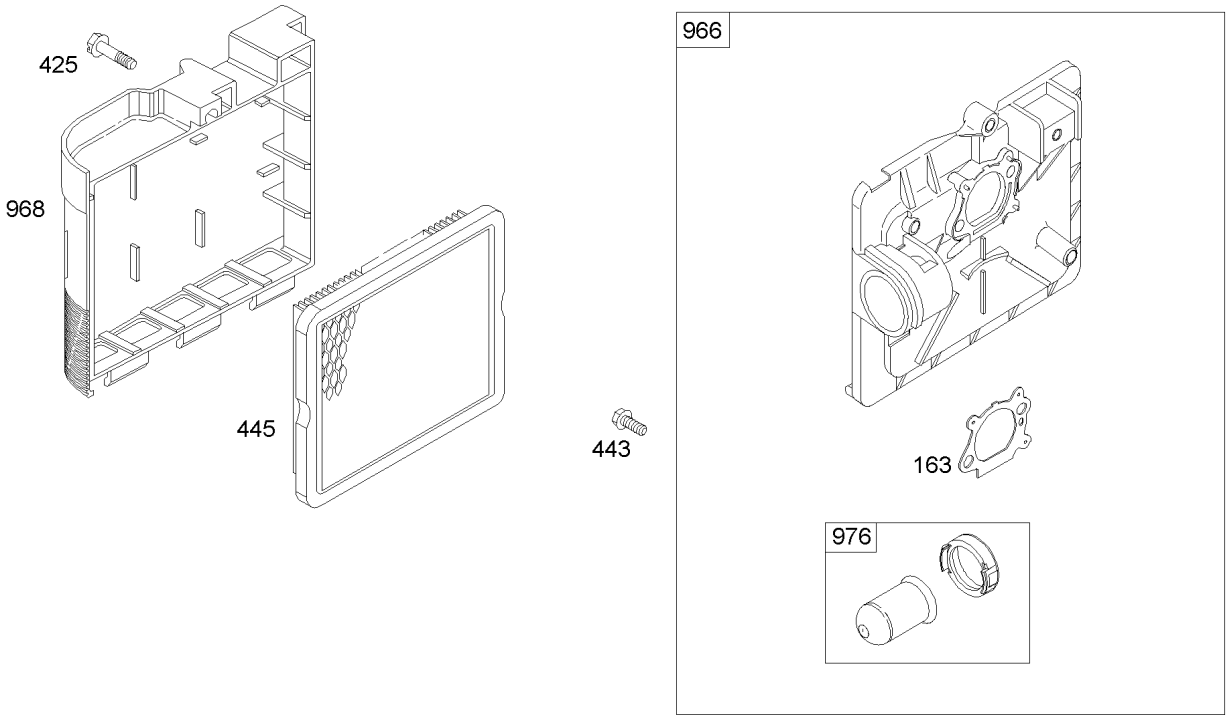
Ref	Part No.	Qty.	Description
❻4	493279	1	Sump–Engine
❸❻12	692232	1	Gasket–Crankcase
❻15	691680	1	Plug–Drain, Oil
❸❻20	399781	1	Seal–Oil
❻22	691092	1	Screw
❻43	691997	1	Slinger–Governor/Oil
❻46	691449	1	Camshaft
❻48	498829	1	Short Block
❻287	690940	1	Screw
❻523	499621	1	Dipstick
❸❻524	692296	1	Seal-O Ring
❻525	495265	1	Tube-Dipstick
❸❻842	691031	1	Seal-O Ring
❻847	692047	1	Dipstick/Tube ASM



Assemblies include all parts shown in frames.

Carburetor Assembly
Briggs and Stratton 122K02-0172-E1

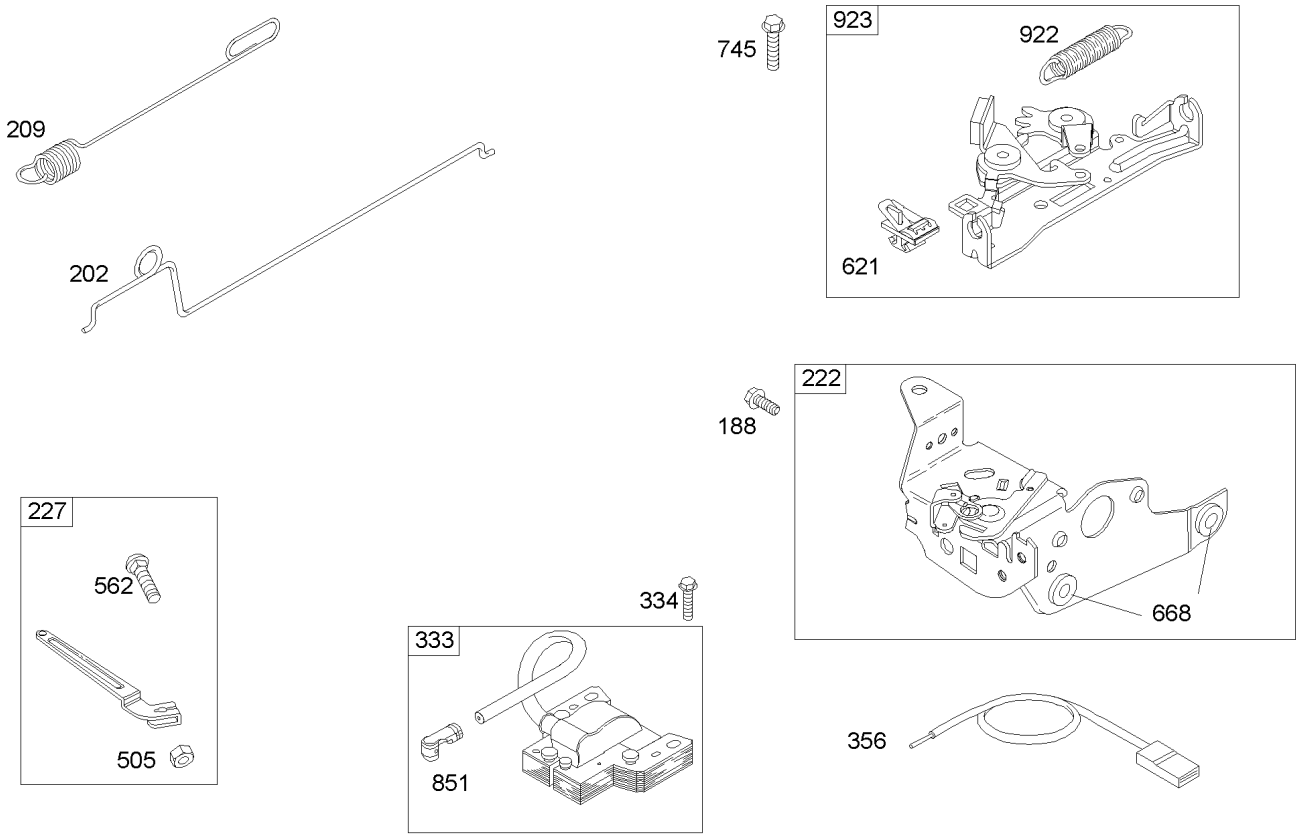
Ref	Part No.	Qty.	Description
❻95	691636	1	Screw
❻97	696565	1	Shaft–Throttle
❹❻104	691242	1	Pin–Hinge, Float
❻117	498978	1	Jet–Main (Standard)
❻118	494870	1	Jet–Main (High Altitude)
❻125	498170	1	Carburetor
❹❻127	694468	1	Plug–Welch
❻130	696564	1	Valve–Throttle
❻133	398187	1	Float–Carburetor
❹❻134	398188	1	Needle/Seat Kit
❹❺137 ❻	693981	1	Gasket–Bowl, Float
❸❹163 ❺❻	272653	1	Gasket–Cleaner, Air
❹❺276 ❻	271716	1	Washer–Sealing
❻365	692524	1	Screw
❹❺617 ❻	270344	1	Seal–O Ring
❹❺633 ❻	691321	1	Seal-Shaft, Choke/Throttle
❻975	493640	1	Bowl–Float



Assemblies include all parts shown in frames.

Air Cleaner Assembly
Briggs and Stratton 122K02-0172-E1

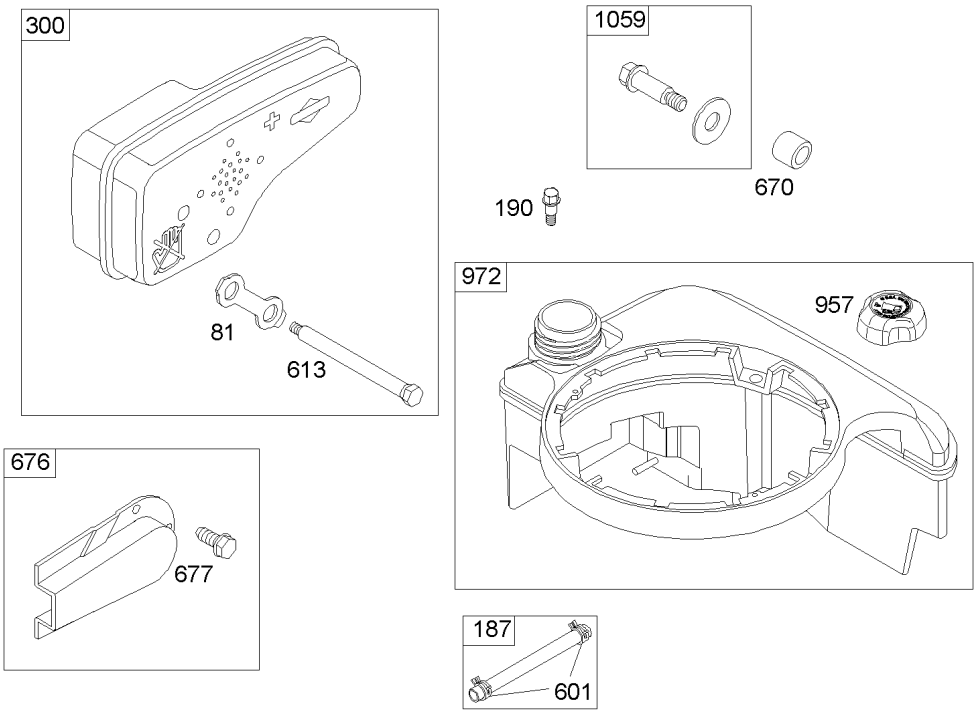
Ref	Part No.	Qty.	Description
❸❹163 ❺❻	272653	1	Gasket–Cleaner, Air
❻425	690670	1	Screw
❻443	692523	1	Screw
❻445	491588	1	Filter–Cartridge, Air Cleaner
❻966	496116	1	Base–Primer, Air Cleaner
❻968	692298	1	Cover–Cleaner, Air
❻976	694395	1	Primer–Carburetor



Assemblies include all parts shown in frames.

Governor Assembly
Briggs and Stratton 122K02-0172-E1

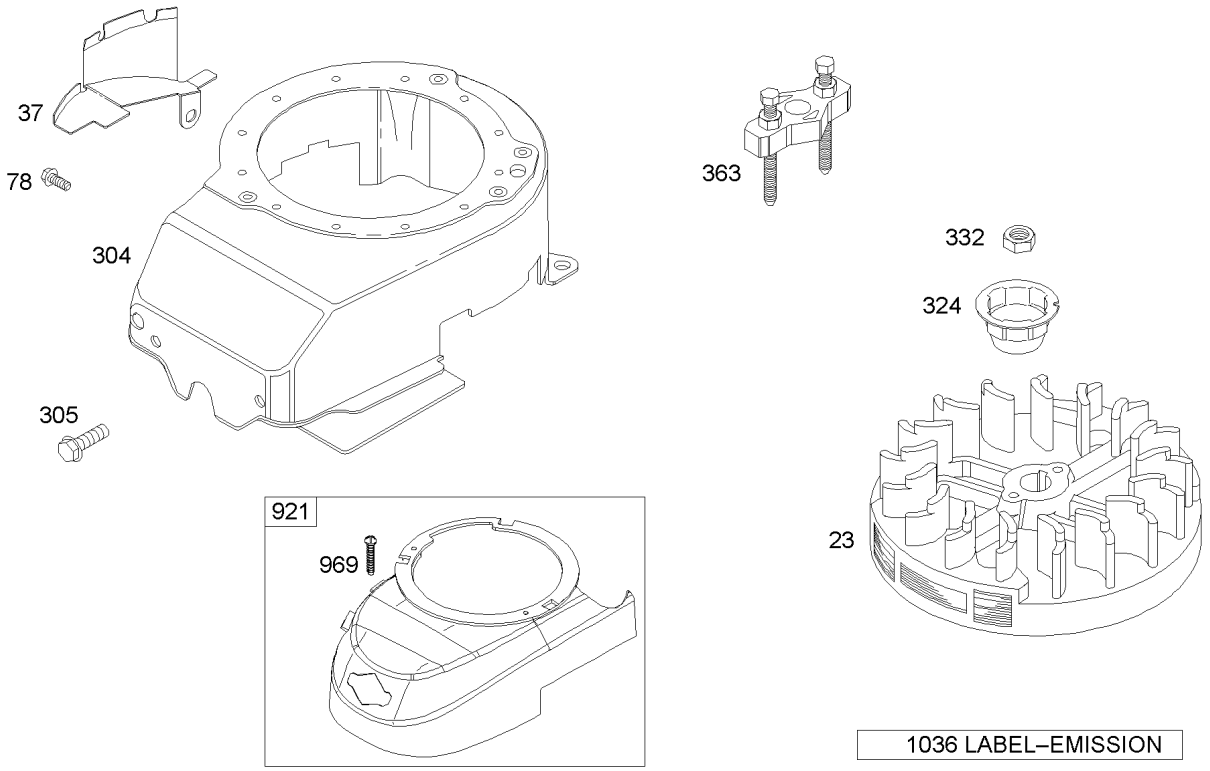
Ref	Part No.	Qty.	Description
❻188	693399	1	Screw
❻202	691829	1	Link–Governor, Mechanical
❻209	691852	1	Spring–Governor
❻222	692467	1	Bracket–Control
❻227	690783	1	Lever–Control, Governor
❻333	802574	1	Armature–Magneto
❻334	691061	1	Screw
❻356	692390	1	Wire-Stop
❻505	691251	1	Nut
❻562	691119	1	Screw
❻621	692310	1	Switch-Stop
❸❻668	493823	1	Spacer
❻745	691648	1	Screw
❻851	493880	1	Terminal-Spark Plug
❻922	691831	1	Spring–Brake
❻923	691994	1	Brake ASM



Assemblies include all parts shown in frames.

Muffler and Fuel Tank Assembly
Briggs and Stratton 122K02-0172-E1

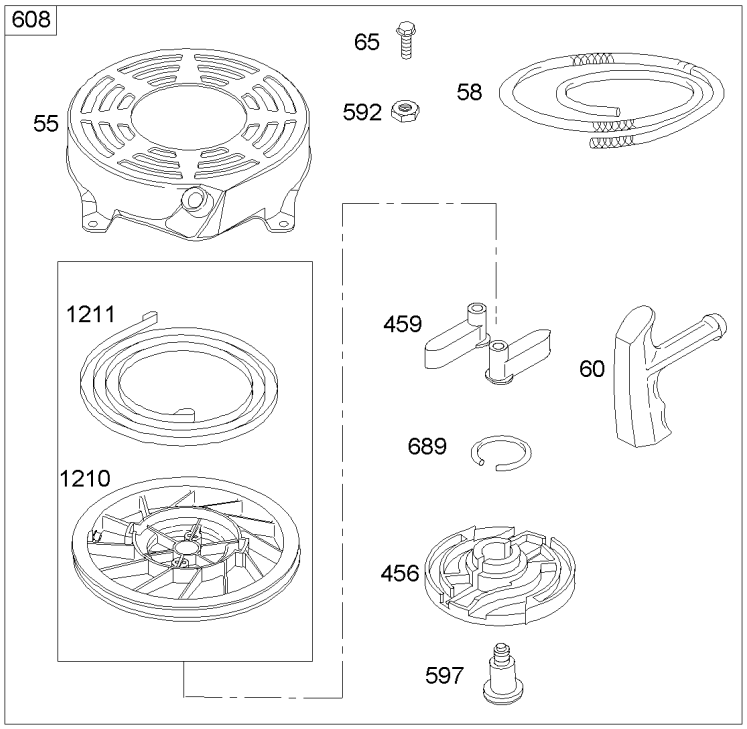
Ref	Part No.	Qty.	Description
❻81	691740	1	Lock–Screw, Muffler
❻187	691050	1	Line-Fuel (Cut To Required Length)
❻190	690940	1	Screw
❻300	692038	1	Muffler
❻601	95162	1	Clamp-Hose
❻613	691340	1	Screw
❻670	692294	1	Spacer–Tank, Fuel
❻676	493871	1	Deflector–Muffler
❻677	690661	1	Screw
❻957	692046	1	Cap–Tank, Fuel
❻972	699374	1	Tank–Fuel
❻1059	692311	1	Screw/Washer Kit



Assemblies include all parts shown in frames.

Blower Housing Assembly
Briggs and Stratton 122K02-0172-E1

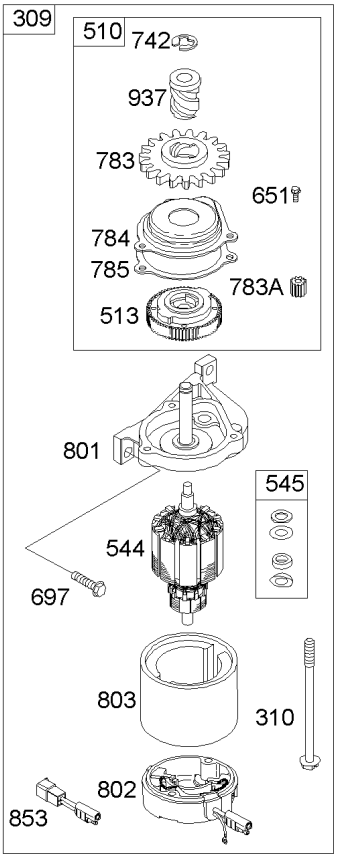
Ref	Part No.	Qty.	Description
❻23	691987	1	Flywheel
❻37	694086	1	Guard–Flywheel
❻78	691108	1	Screw
❻304	493293	1	Housing–Blower
❻305	691108	1	Screw
❻324	695161	1	Cup/Screen ASM
❻332	690662	1	Nut
❻363	19069	1	Puller–Flywheel
❻921	790036	1	Cover–Housing, Blower
❻969	691138	1	Screw
❻1036	697457	1	Label–Emission



Assemblies include all parts shown in frames.

Recoil Starter Assembly
Briggs and Stratton 122K02-0172-E1

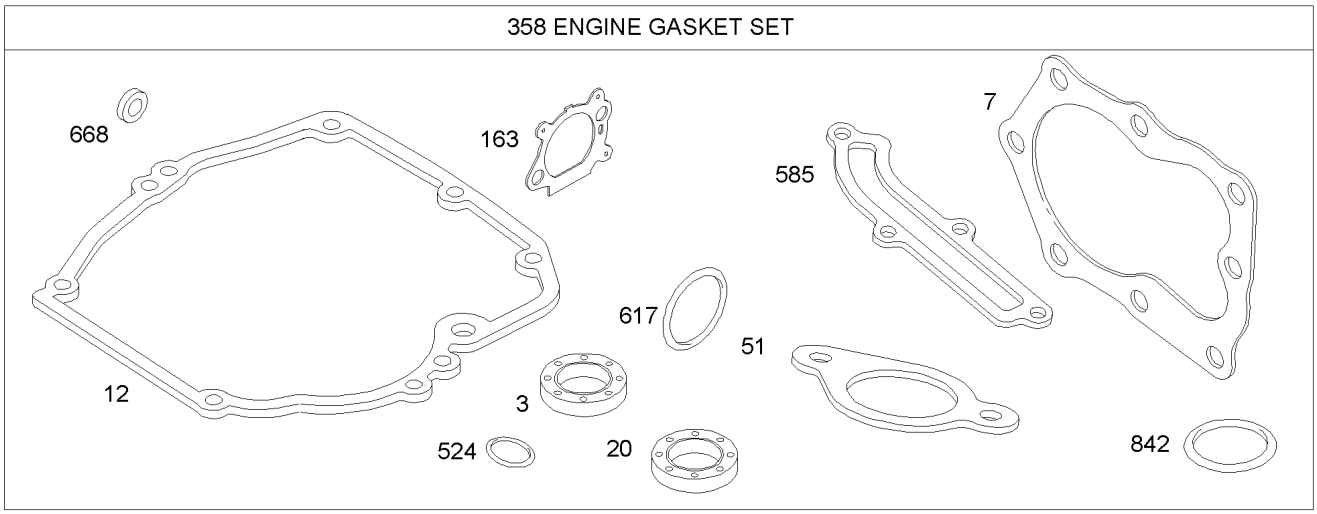
Ref	Part No.	Qty.	Description
❻55	691421	1	Housing–Starter, Rewind
❻58	697316	1	Rope–Starter (Cut To Required Length)
❻60	281434	1	Grip–Rope, Starter
❻65	690837	1	Screw
❻456	692299	1	Plate–Friction, Pawl
❻459	281505	1	Ratchet–Pawl
❻592	690800	1	Nut
❻597	691696	1	Screw
❻608	497680	1	Starter–Rewind
❻689	691855	1	Spring–Friction
❻1210	498144	1	Pulley/Spring ASM
❻1211	498144	1	Pulley/Spring ASM



Assemblies include all parts shown in frames.

Electric Starter Assembly
Briggs and Stratton 122K02-0172-E1

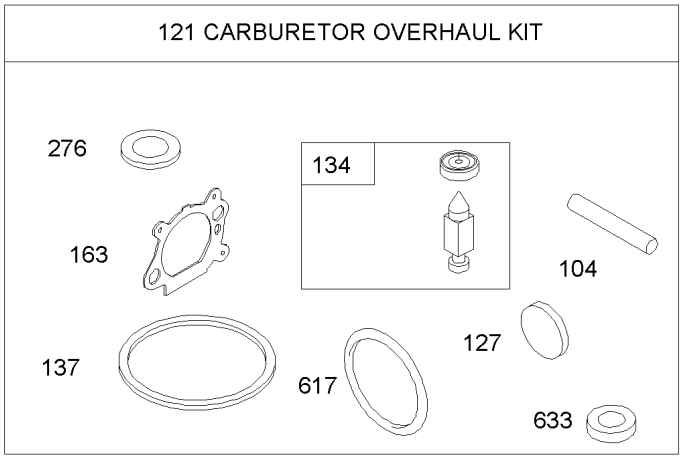
Ref	Part No.	Qty.	Description
❻309	695550	1	Motor–Starter
❻310	692327	1	Bolt
❻510	494147	1	Drive–Starter
❻513	692358	1	Clutch–Drive
❻544	690786	1	Armature–Starter
❻545	492919	1	Washer Set
❻651	690345	1	Screw
❻697	691127	1	Screw
❻742	93941	1	Retainer–E Ring
❻783	691918	1	Gear–Pinion
❻783A	691269	1	Gear–Pinion
❻784	692341	1	Cover–Gear, Starter
❻785	692352	1	Gasket–Cover, Starter
❻801	690782	1	Cap–Drive
❻802	695267	1	Cap–End
❻803	695266	1	Housing–Starter
❻853	695268	1	Adapter–Wire
❻937	691325	1	Spline–Starter

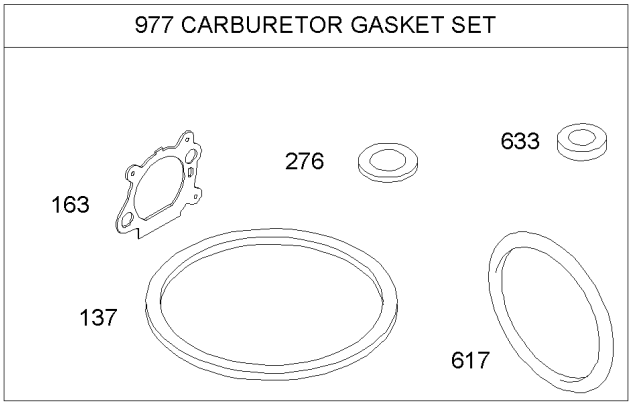


Assemblies include all parts shown in frames.

Gasket Assembly
Briggs and Stratton 122K02-0172-E1

Ref	Part No.	Qty.	Description
❸❻3	299819	1	Seal–Oil
❸❻7	692249	1	Gasket–Head, Cylinder
❸❻12	692232	1	Gasket–Crankcase
❸❻20	399781	1	Seal–Oil
❸❻51	272199	1	Gasket–Intake
❸❹163	272653	1	Gasket–Cleaner, Air
❺❻			
❻358	497316	1	Engine Gasket Set
❸❻524	692296	1	Seal-O Ring
❸❻585	691879	1	Gasket–Passage, Breather
❸❹617	270344	1	Seal–O Ring
❺❻			
❸❻668	493823	1	Spacer
❸❻842	691031	1	Seal-O Ring





Assemblies include all parts shown in frames.

Carburetor Overhaul Kit Assembly
Briggs and Stratton 122K02-0172-E1

Ref	Part No.	Qty.	Description
❹❻104	691242	1	Pin–Hinge, Float
❻121	498260	1	Carburetor Overhaul Kit
❹❻127	694468	1	Plug–Welch
❹❻134	398188	1	Needle/Seat Kit
❹❺137 ❻	693981	1	Gasket–Bowl, Float
❸❹163 ❻	272653	1	Gasket–Cleaner, Air
❹❺276 ❻	271716	1	Washer–Sealing
❸❹617 ❺❻	270344	1	Seal–O Ring
❹❺633 ❻	691321	1	Seal-Shaft, Choke/Throttle
❻977	498261	1	Carburetor Gasket Set

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