FORM NO. 3321–365

TORO®

R–21P RECYCLER® MOWER

Model No. 20450 – 8900001 & Up

Parts Catalog

ORDERING REPLACEMENT PARTS

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

Contents

Description	Page
Housing Assembly	1
Engine Assembly	2
Handle Assembly	3
Engine Briggs & Stratton Model 12F802–1750–E1	4–12
Toro Part Number Index	13–14
Maintenance	15–17

Note:

Accessories

Description	Model / Parts No.
Recycler Side discharge Kit	Model No. 59291
Recycler Bagging Kit	Model No. 59290

Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

Abbreviation	Meaning
AR	as required
ASM	assembly
CARR	carriage
DEG	degrees
FH	flat head
GA	gauge
HF	hex flange
HFW	hex flange washer
HH	hex head
HHF	hex head flange
HHST	hex head self tapping
HJ	hex jam
HOC	height-of-cut
HS	hex socket
HSBH	hex socket button head
HSFH	hex socket flat head
HSH	hex socket head
HWH	hex washer head
HWHTF	hex washer head thread forming
INC	incorporated
LH	left hand
PH	pan head
PPH	Phillips pan head
PTO	power take off
RH	right hand
SFH	slotted fillister head
SH	square head
SHWH	slotted hex washer head
SPH	slotted pan head
STD	standard
TAP	self tapping
TH	truss head
TTH	Torx truss head
WH	wing head

Important Format Explanations

This catalog uses special formats to convey information in illustrations and parts lists. Specifically, one format is used in conjunction with service assemblies and another with quantities associated with reference numbers.

© The TORO Company — 1998
All Rights Reserved

Service Assemblies

Parts within service assemblies have reference numbers in the form *X:Y. X* is the reference number of the service assembly and *Y* is a sequential number unique to each part within the service assembly.

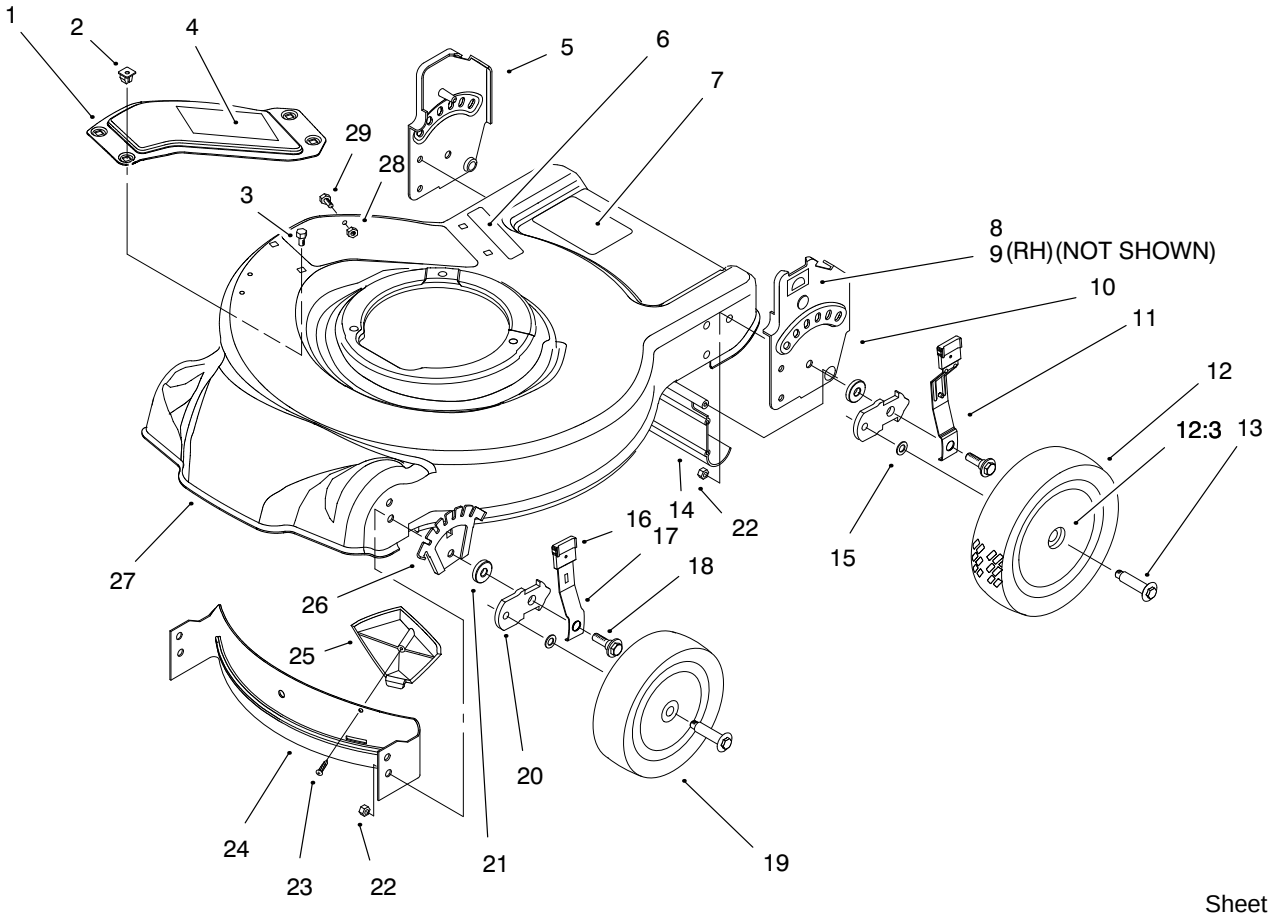
For example, a wheel assembly might be identified by reference number 6, the tire by 6:1, the valve by 6:2, and the wheel by 6:3. When you order the assembly identified by reference number 6, you receive all parts identified by reference numbers 6:1, 6:2, and 6:3. However, you may also order any part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

Reference numbers of this type appear in part lists and as callouts in illustrations.

Reference Numbers with Quantities

Illustrations may have a quantity in parentheses next to a reference number, in the form *X (Y). X* is the reference number. *Y* in parentheses is the quantity of the part identified by the reference number.

For example, the illustration callout 4 (2) indicates that two parts are used in that instance.

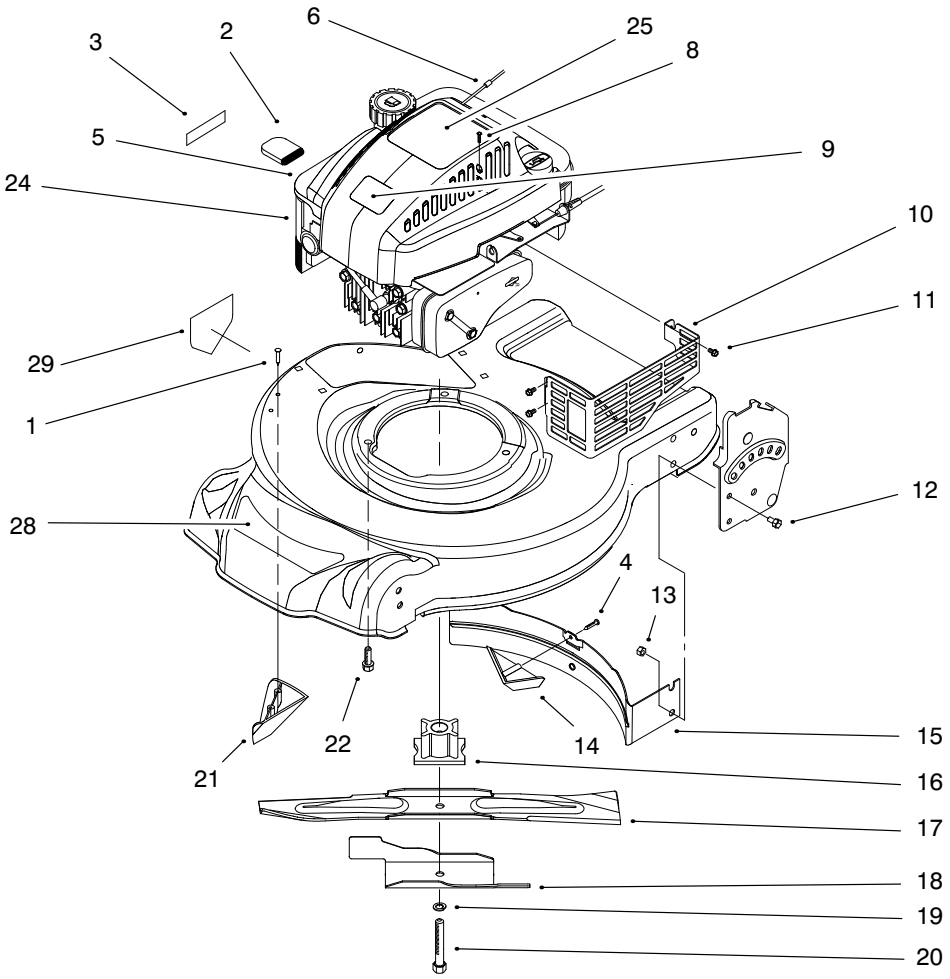


Sheet No.:2

Housing Assembly

Ref. No.	Part No.	Qty.	Description
1	16–9269	1	Cover–Recycling
2	93–0242	4	Grommet
3	32144–4	4	Screw–TAP
4	85–7060	1	Decal–Danger
5	93–0236	1	ASM
6	93–0262	1	Decal–Warning
7	93–0248	1	Decal–Warning
8	92–2915	1	Decal–HOC
9	92–2914	1	Decal–HOC
10	93–0235	1	ASM
11	92–1005	2	ASM–Spring Arm
12	98–7130	2	ASM–Wheel
12:3	27–6250	4	Bushing
13	614650	4	Bolt–Shoulder
14	92–8647	1	Shield–Trailing
15	40–1940	4	Washer
16	92–1008	4	Knob–Height Adjust
17	614687	2	Spring Arm–Front
18	614672	4	Bolt–Shoulder
19	98–7145	2	ASM–Wheel
20	95–7403	4	Bracket–Wheel Height Adj
21	92–4890	4	Washer
22	3296–39	4	Nut–Lock
23	93–0231	1	Screw–Plastite
24	93–0222	1	Baffle–Front

Ref. No.	Part No.	Qty.	Description
25	93–0216	1	Kicker–Front
26	92–4881	2	Plate–Height Adjust
27	16–9259	1	Deck–21in Steel
28	3296–2	1	Nut–Lock
29	32105–27	1	Screw–HWH

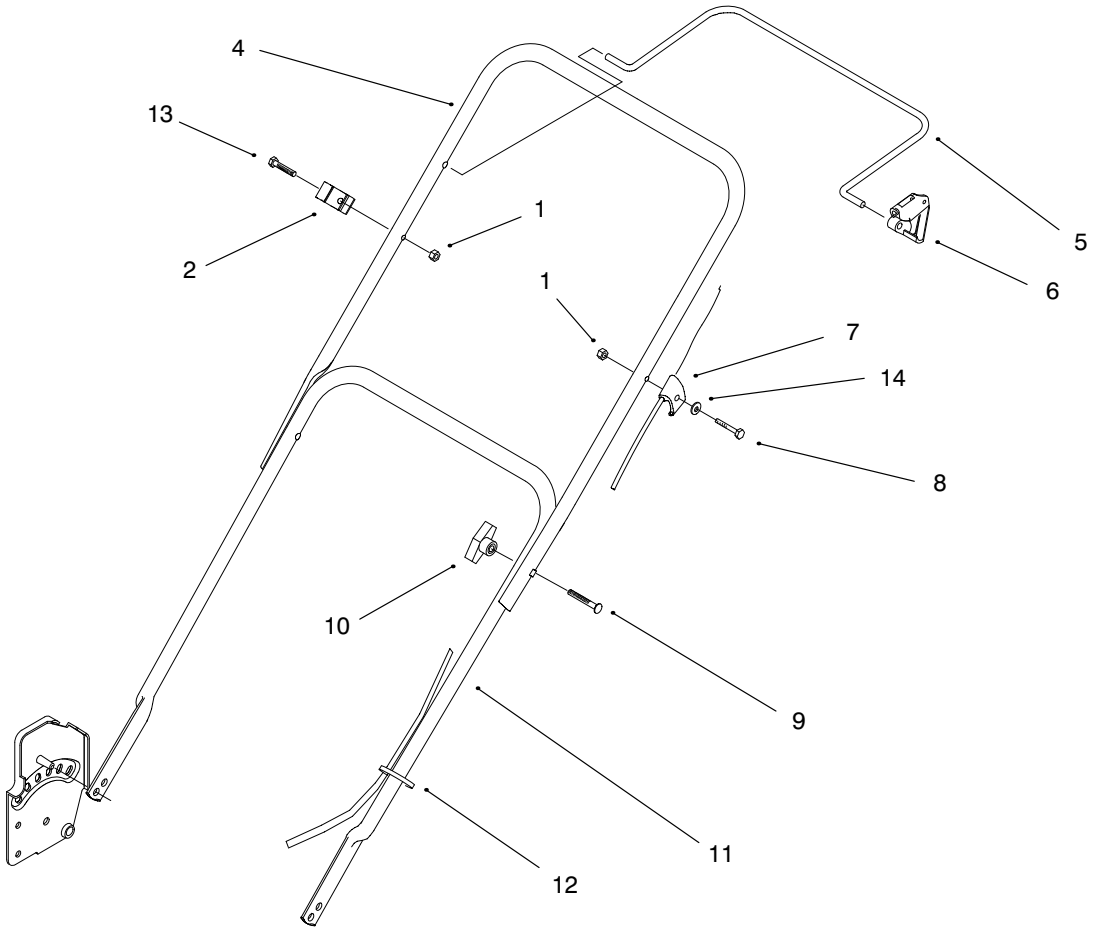


Sheet No.:3

Engine Assembly

Ref. No.	Part No.	Qty.	Description
1	32144–111	2	Screw – PPH
2	98–7136	1	Sleeve–Friction
3	98–7131	1	Label–Speed Control
4	93–0231	1	Screw–Plastite
5	93–0243	1	Shroud
6	2210–316	1	Rope–Stop
8	32144–121	2	Screw
9	98–3206	1	Plate–Logo
10	82–8550	1	Shield–Muffler
11	32144–73	3	Screw–HWHTF
12	322–3	4	Screw–HH
13	3296–29	4	Nut–Lock
14	93–0217	1	Kicker–Rear
15	93–0223	1	Baffle–Rear
16	62–7540	1	Retainer–Blade
17	93–0241	1	Blade–Steel Deck
18	93–0219	1	Accelerator
19	3253–22	1	Washer–Lock
20	26–0670	1	Bolt–Blade
21	93–0218	1	Kicker–Side
22	95–1726	3	Screw–Engine Mount
24		1	Engine–Quantum 5.0 Hp
25	95–1652	1	Decal–Recoil
28	93–0245	1	Decal–Deck
29	39–5770	1	Decal–Danger

Ref. No.	Part No.	Qty.	Description

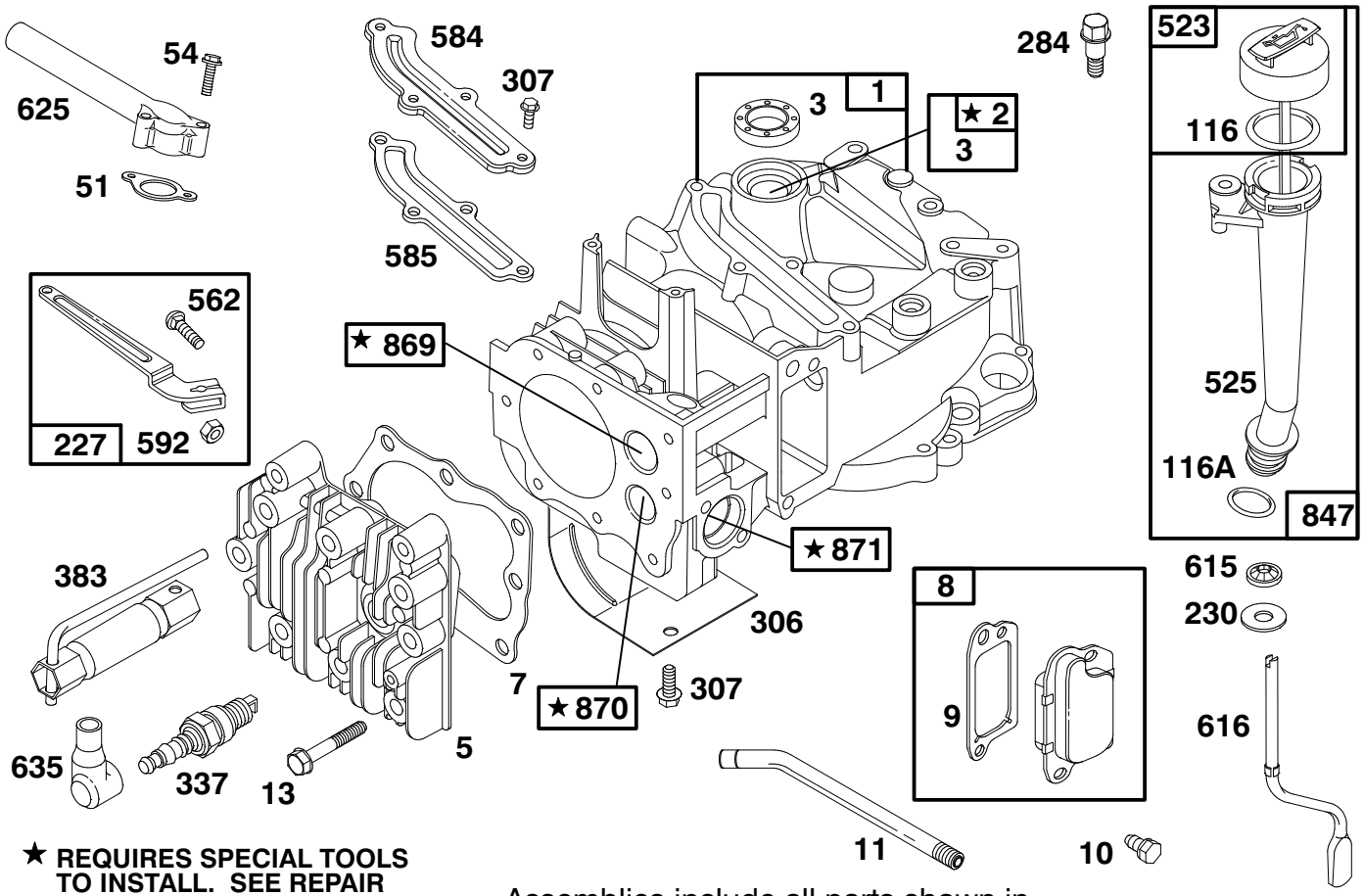


Sheet No.:4

Handle Assembly

Ref. No.	Part No.	Qty.	Description
1	3296–73	2	Nut–Lock
2	93–7383	1	Guide–Rope
4	93–0237	1	Handle–Upper
5	92–3134	1	Bar–Control
6	92–5412	1	Stop–Pivot
7	98–7147	1	Cable–Brake
8	321–52	1	Screw–HH
9	92–2260	2	Screw–Handle
10	98–7134	2	Knob
11	93–0238	1	Handle–Lower
12	3290–378	1	Tie–Cable
13	321–51	1	Bolt–Hex
14	3256–1	1	Washer–Flat

Ref. No.	Part No.	Qty.	Description



★ **REQUIRES SPECIAL TOOLS TO INSTALL. SEE REPAIR INSTRUCTION MANUAL.**

Assemblies include all parts shown in frames.

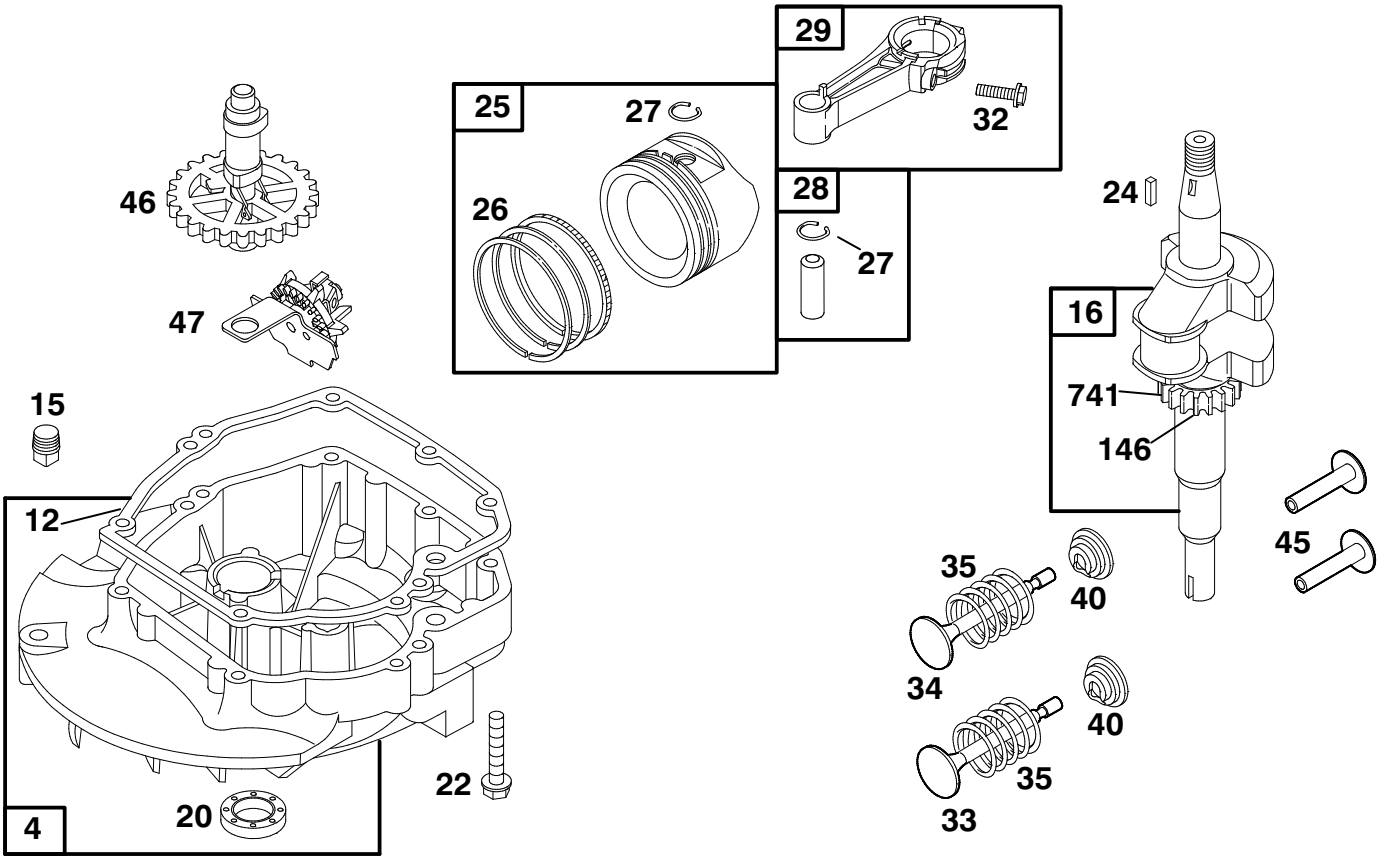
ENGINE BRIGGS & STRATTON MODEL 12F802-1750 – E1

Ref. No.	Part No.	Description	No. Used
1	493260	Cylinder Assembly	1
2	293708	Bushing	1
★3	299819	Seal – Oil	1
5	214626	Head – Cylinder	1
†★7	272916	Gasket – Cylinder Head	1
8	495786	Breather Assy.	1
†★9	272481	Gasket – Breather	1
10	94650	Screw – Hex.	1
11	231933	Tube – Breather	1
13	94547	Screw – Hex.	1
★51	272199	Gasket – Intake Elbow	1
54	94526	Screw – Hex	1
★116	280393	Seal – O Ring	1
★116A	280966	Seal – O Ring	1
227	492349	Lever Assembly – Gov.	1
230	67072	Washer – Gov. Crank	1
284	94511	Screw – Hex.	1
306	224324	Shield – Cylinder	1
307	94515	Screw – Hex.	1

Ref. No.	Part No.	Description	No. Used
337	802592	Plug – Spark	1
383	89838	Wrench – Spark Plug	1
523	495264	Dipstick	1
525	495265	Tube – Oil Filler	1
562	94582	Screw – Hex.	1
584	224328	Baffle – Cylinder	1
★585	272238	Gasket – Breather	1
592	231082	Nut – Hex.	1
615	94474	Fastener	1
616	263175	Crank – Governor	1
625	497465	Tube – Fuel Intake	1
635	66538	Elbow – Spark Plug	1
847	495263	Dipstick/Tube Assy.	1
869	213512	Seat – Valve (Intake)	1
870	213513	Seat – Valve (Exhaust)	1
871	262001	Bushing – Guide (Exhaust)	1
		Note: 63709 Bushing – Guide (Intake)	1

★ Included in Gasket Set – Part No. 497316.

† Included in Valve Overhaul Gasket Set – Part No. 498528.



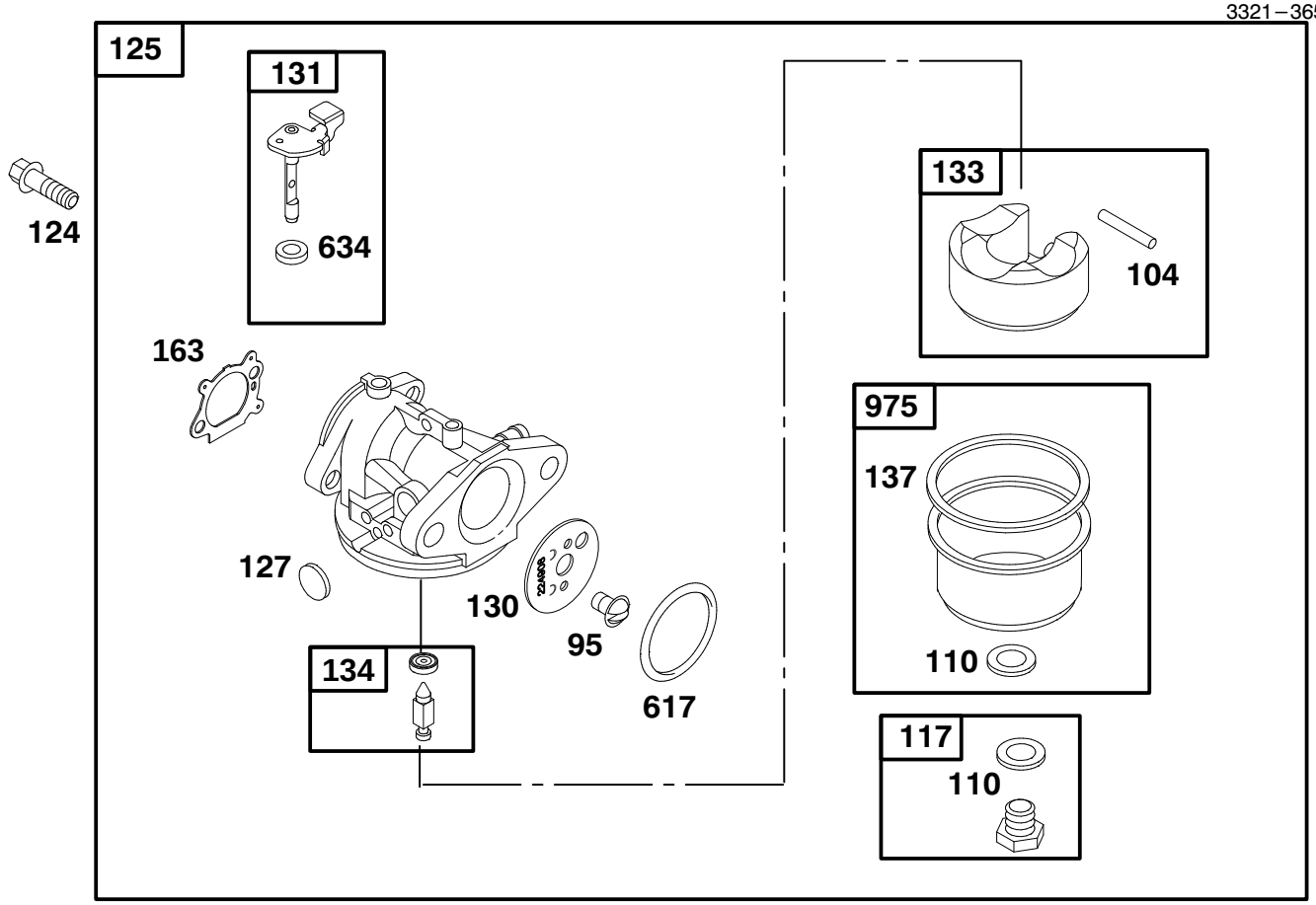
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 12F802-1750–E1

Ref. No.	Part No.	Description	No. Used
4	493279	Sump – Engine	1
★12	272198	Gasket – Crankcase	1
15	94880	Plug – Oil Drain	1
16	498573	Crankshaft	1
★20	399781	Seal – Oil	1
22	94220	Screw – Hex. **Note:** 94612 Screw – Hex. (One (1) Used in Hole Nearest Breather.)	1
24	222698	Key – Flywheel	1
25	499429	Piston Assy. (Standard)	1
	499430	Piston Assy. (0.010” O.S.)	1
	499431	Piston Assy. (0.020” O.S.)	1
	499432	Piston Assy. (0.030” O.S.)	1

Ref. No.	Part No.	Description	No. Used
26	499425	Ring Set (Standard)	1
	499426	Ring Set (0.010” O.S.)	1
	499427	Ring Set (0.020” O.S.)	1
	499428	Ring Set (0.030” O.S.)	1
27	263190	Lock – Piston Pin	1
28	499423	Pin – Piston (Standard)	1
29	499424	Rod Assembly – Connecting	1
32	94699	Screw – Connecting Rod	1
33	262651	Valve – Exhaust	1
34	262652	Valve – Intake	1
35	262224	Spring – Valve	1
40	93312	Retainer – Valve Spring	1
45	262204	Tappet – Valve	1
46	498275	Gear – Cam	1
47	493737	Slinger – Oil	1
146	94388	Key – Timing	1
741	262598	Gear – Timing	1

★ Included in Gasket Set–Part No. 497316.



Assemblies include all parts shown in frames.

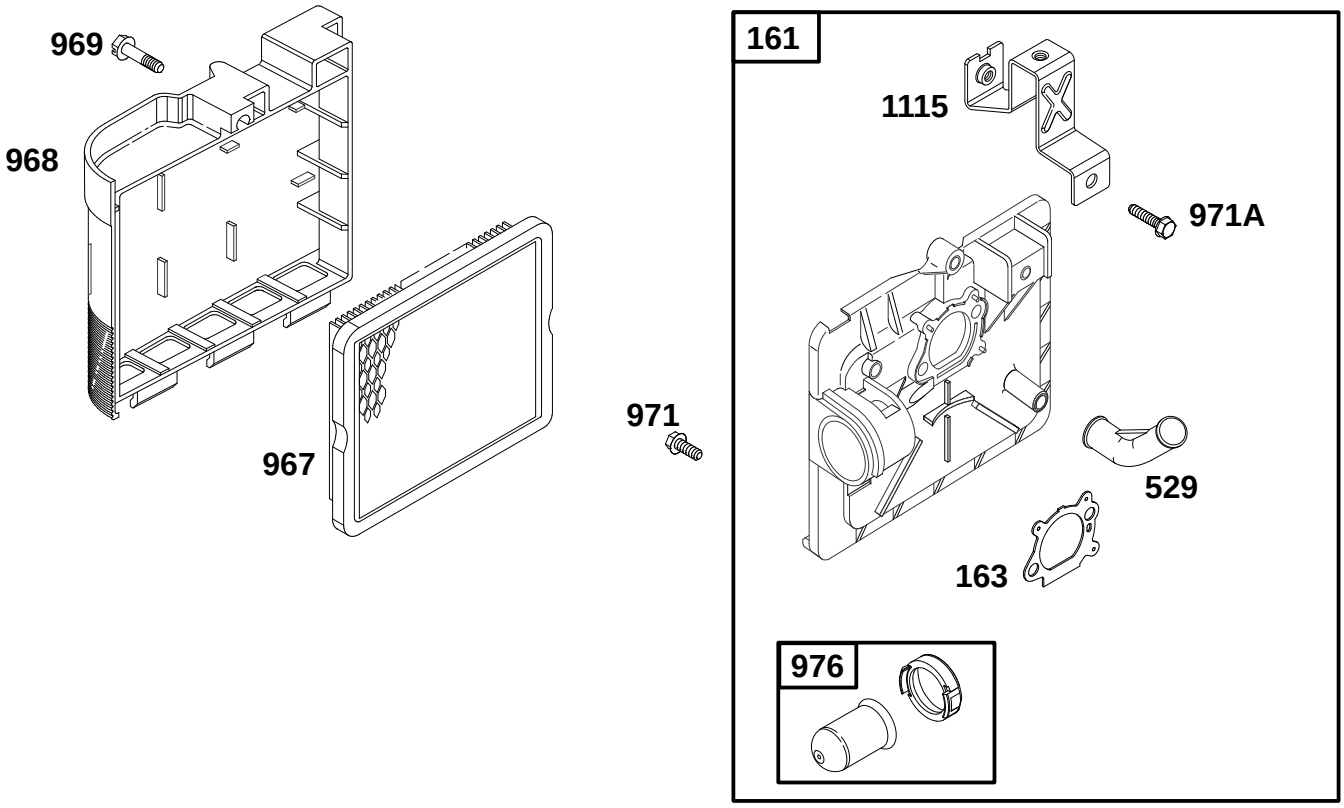
ENGINE BRIGGS & STRATTON MODEL 12F802-1750–E1

Ref. No.	Part No.	Description	No. Used
95	94098	Screw – Slotted	1
●104	231371	Pin – Float Hinge	1
●◆110		Washer – Bowl (Sold in Kit Only).	1
117	494870	Jet – Main (Std.)	1
		Note: 497315 Jet – Main (High Altitude)	1
124	94840	Screw – Hex	1
125	498170	Carburetor	1
●127		Plug – Welch (Sold in Kit Only).	1
130	224908	Valve – Throttle	1

Ref. No.	Part No.	Description	No. Used
131	493267	Shaft – Throttle	1
133	398187	Float – Carburetor	1
●134	398188	Kit – Needle/Seat	1
●◆137		Gasket – Bowl (Sold in Kit Only).	1
●◆★163	272653	Gasket – Air Cleaner	1
●◆617	270344	Seal – Intake Manifold	1
●◆634		Washer – Foam (Sold in Kit Only).	1
975	493640	Bowl – Float	1

★ Included in Gasket Set–Part No. 497316.

● Included in Carburetor Kit–Part No. 498260.
◆ Included in Carburetor Gasket Set–Part No. 498261.



Assemblies include all parts shown in frames.

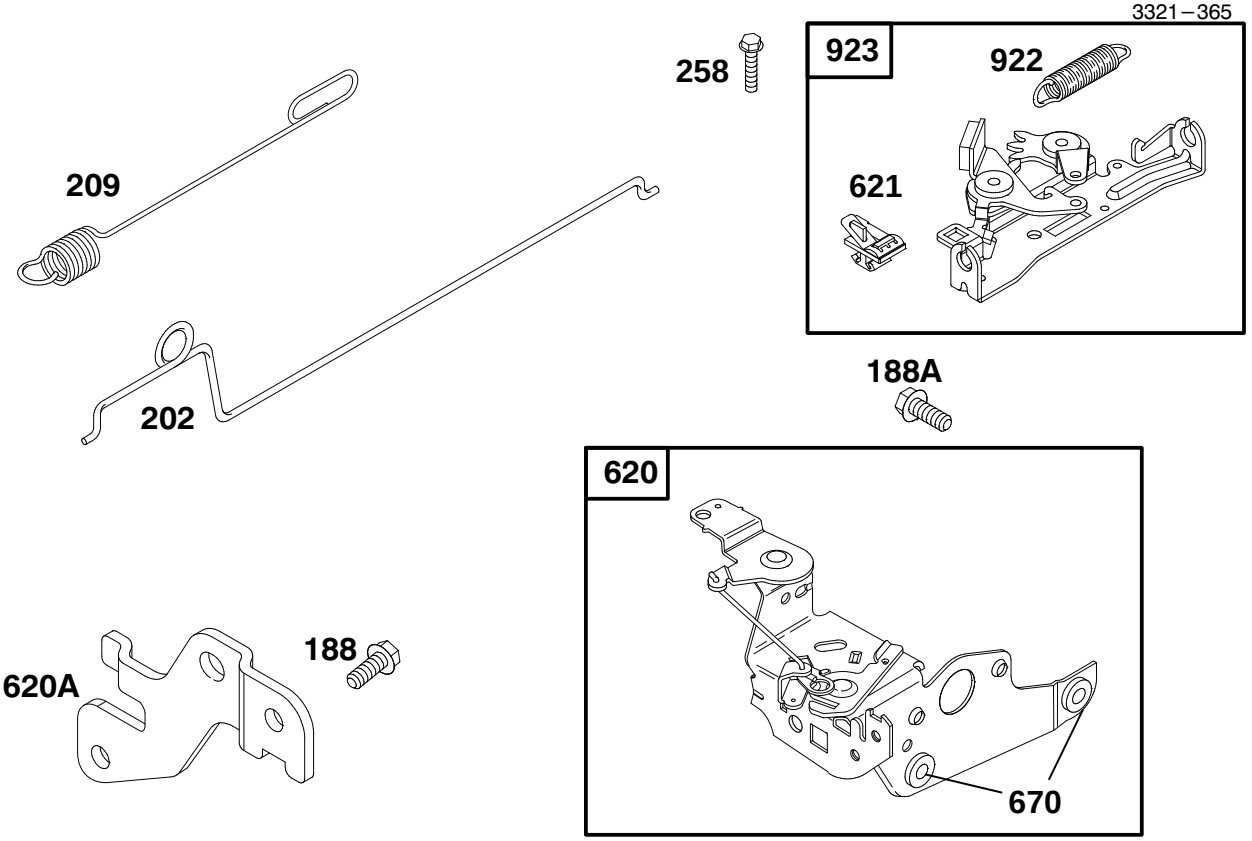
ENGINE BRIGGS & STRATTON MODEL 12F802-1750−E1

Ref. No.	Part No.	Description	No. Used
161	496116	Base − Air Cleaner	1
●◆★163	272653	Gasket − Air Cleaner	1
529	281299	Grommet	1
967	491588	Filter − Air	1
968	281340	Cover − Air Cleaner	1

★ Included in Gasket Set−Part No. 497316.

Ref. No.	Part No.	Description	No. Used
969	94872	Screw − Slotted Hex.	1
971	94873	Screw − Hex.	1
971A	94749	Screw − Hex.	1
976	496115	Primer − Carburetor	1
1115	224815	Bracket − Support	1

● Included in Carburetor Kit−Part No. 498260.
◆ Included in Carburetor Gasket Set−Part No. 498261.



Assemblies include all parts shown in frames.

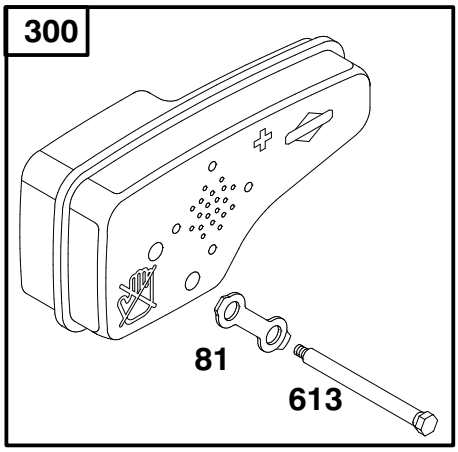
ENGINE BRIGGS & STRATTON MODEL 12F802-1750–E1

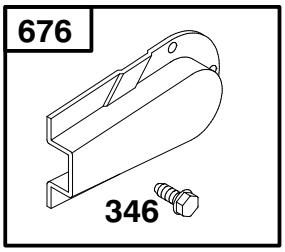
Ref. No.	Part No.	Description	No. Used
188	94644	Screw – Hex.	1
188A	94874	Screw – Hex.	1
202	262579	Link – Governor	1
209	263046	Spring – Governor	1
258	94512	Screw – Hex.	1
620	497203	Bracket – Carburetor	1

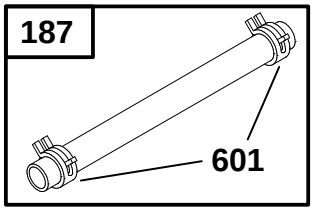
Ref. No.	Part No.	Description	No. Used
620A	225152	Bracket – Control	1
★670	493823	Spacer – Bracket	
		Note: Includes Two	1
922	262640	Spring – Brake	1
923	493442	Brake Assembly	1

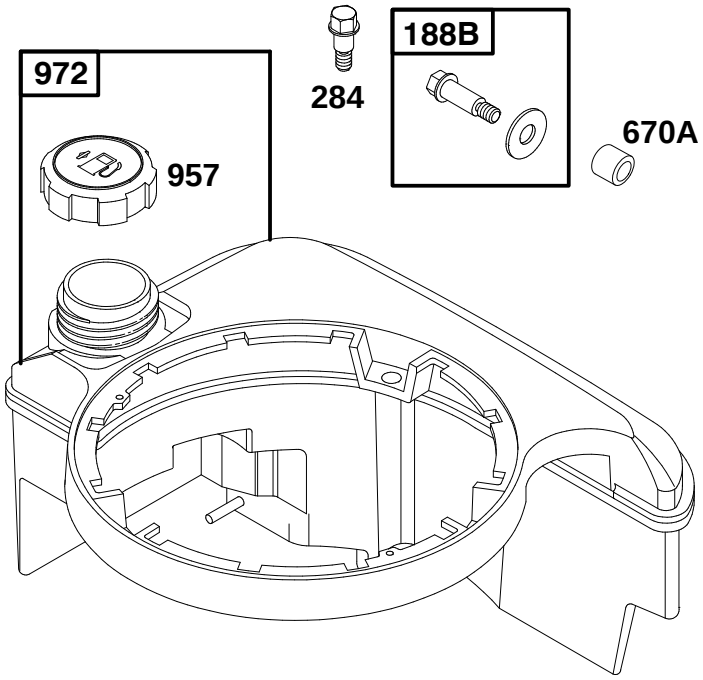
★ Included in Gasket Set–Part No. 497316.

3321 – 365







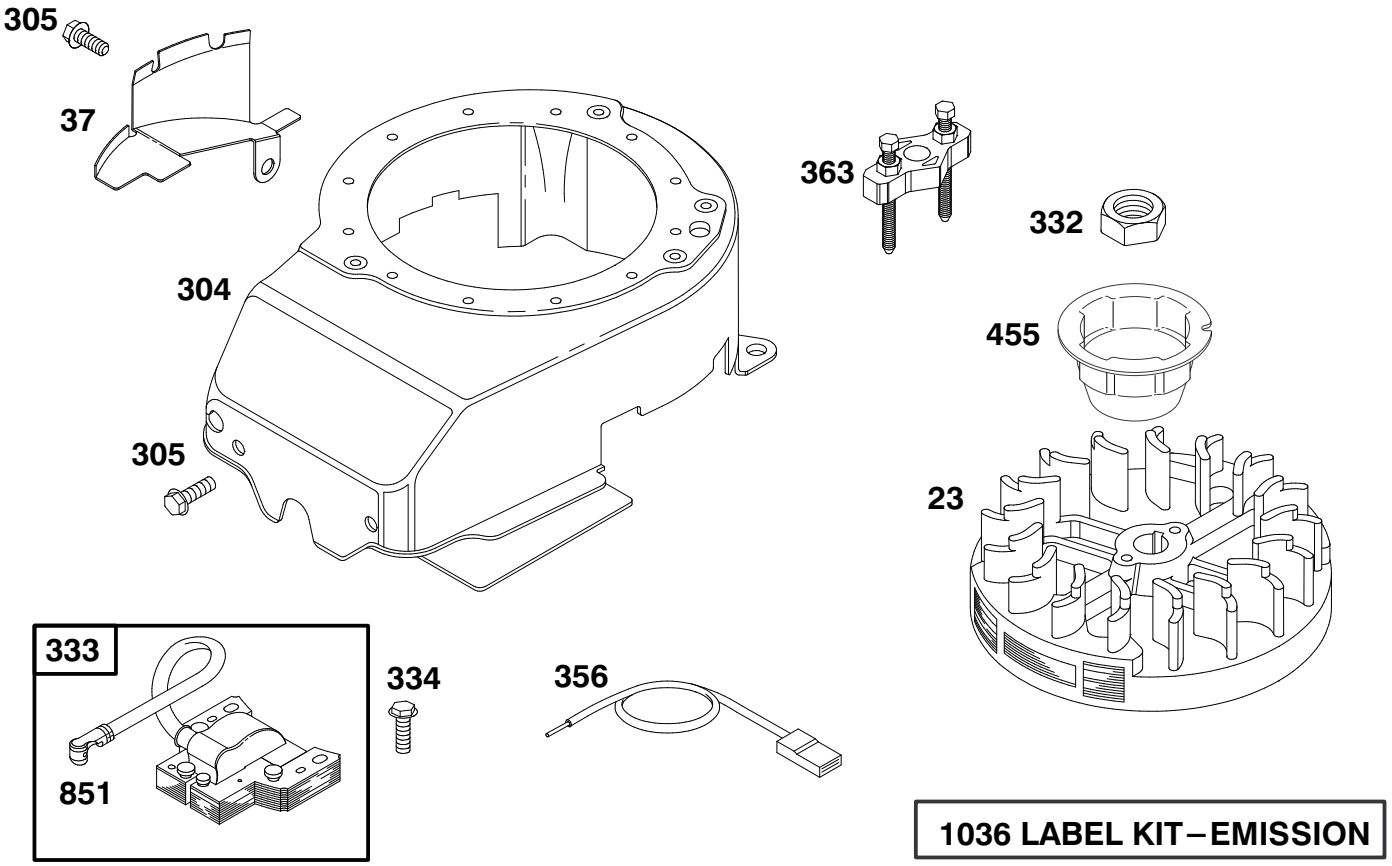


Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 12F802-1750 – E1

Ref. No.	Part No.	Description	No. Used
81	223664	Lock – Muffler Screw	1
187	298049	Line – Fuel (Cut to Required Length)	1
188B	398540	Screw – Shoulder	1
284	94511	Screw – Shoulder	1
300	496106	Muffler – Exhaust	1
346	94896	Screw – Hex.	1

Ref. No.	Part No.	Description	No. Used
601	95162	Clamp – Hose	1
613	94231	Screw – Shoulder	1
670A	280512	Spacer – Fuel Tank	1
676	493871	Deflector – Muffler	1
957	397974	Cap – Fuel Tank	1
972	495224	Tank – Fuel	1

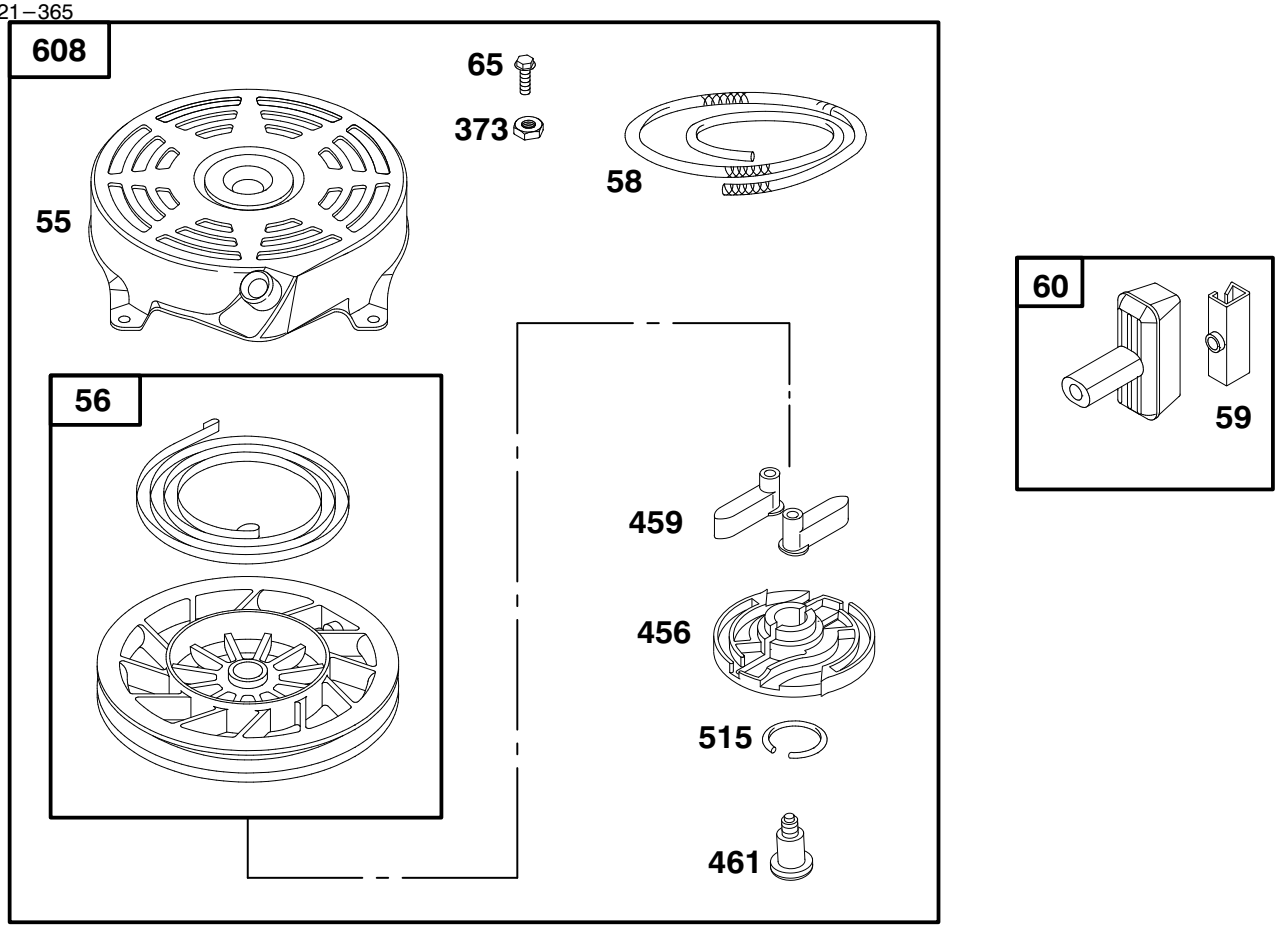


Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 12F802 – 1750 – E1

Ref. No.	Part No.	Description	No. Used
23	492177	Flywheel	1
37	224511	Guard – Flywheel	1
304	493293	Housing – Blower	1
305	94744	Screw – Hex.	1
332	94877	Nut – Flywheel	1
333	802574	Armature – Magneto	1

Ref. No.	Part No.	Description	No. Used
334	94731	Screw – Hex.	1
356	497833	Wire – Stop	1
363	19069	Puller – Flywheel	1
455	225121	Cup – Flywheel	1
851	493880	Terminal – Cable	1
1036	499341	Label Kit – Emission	1

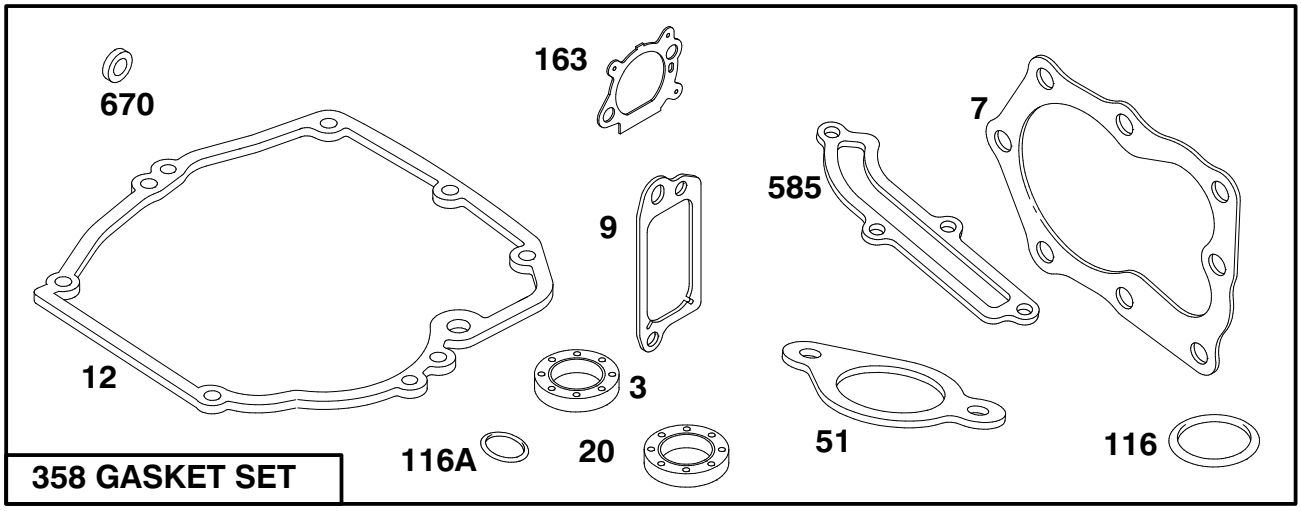


Assemblies include all parts shown in frames.

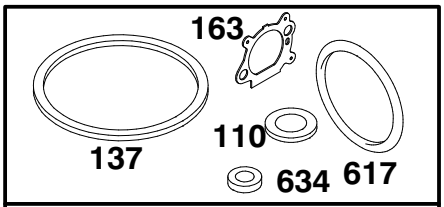
ENGINE BRIGGS & STRATTON MODEL 12F802-1750–E1

Ref. No.	Part No.	Description	No. Used
55	497440	Housing – Rewind Starter	1
56	498144	Pulley – Starter	1
58	280399	Rope – Starter	1
59	224467	Insert – Starter Grip	1
60	493926	Grip – Starter Rope	1
65	94904	Screw – Hex.	1

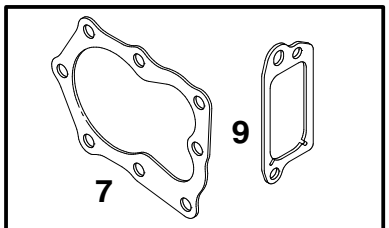
Ref. No.	Part No.	Description	No. Used
373	94908	Nut – Hex.	1
456	281503	Retainer – Spring	1
459	281505	Pawl – Ratchet	1
461	94943	Screw – Shoulder	1
515	263073	Spring – Friction	1
608	497680	Starter – Rewind	1



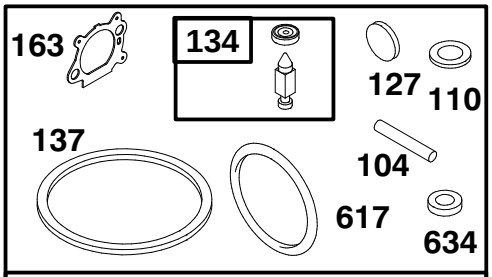
358 GASKET SET



977 CARBURETOR GASKET SET



1095 VALVE OVERHAUL GASKET SET



121 CARBURETOR KIT

Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 12F802-1750 – E1

Ref. No.	Part No.	Description	No. Used
★3	299819	Seal – Oil	1
†★7	272916	Gasket – Cylinder Head	1
†★9	272481	Gasket – Breather	1
★12	272198	Gasket – Crankcase	1
★20	399781	Seal – Oil	1
★51	272199	Gasket – Intake	1
●104	231371	Pin – Float Hinge	1
●◆110		Washer – Bowl (Sold in Kit Only).	1
★116	280393	Seal – O Ring	1
★116A	280966	Seal – O Ring	1
121	498260	Carburetor Kit	1
●127		Plug – Welch (Sold in Kit Only).	1
●134	398188	Kit – Needle/Seat	1
●◆137		Gasket – Bowl (Sold in Kit Only).	1
●◆★163	272653	Gasket – Air Cleaner	1
358	497316	Gasket Set	1
★585	272238	Gasket – Breather	1
●◆617	270344	Seal – Intake Manifold	1
●◆634		Washer – Foam (Sold in Kit Only).	1
★670	493823	Spacer – Bracket **Note:** Includes Two	1
977	498261	Gasket Set – Carburetor	1
1095	498528	Gasket Set – Valve Overhaul	1

● Included in Carburetor Kit – Part No. 498260.
◆ Included in Carburetor Gasket Set – Part No. 498261.
★ Included in Gasket Set – Part No. 497316.
†Included in Valve Overhaul Gasket Set – Part No. 498528.

Toro Part Number Index

Part No.	Page No.	Ref. No.	Qty.	Description
614650	1	13	4	Bolt−Shoulder
614672	1	18	4	Bolt−Shoulder
614687	1	17	2	Spring Arm−Front
16−9259	1	27	1	Deck−21in Steel
16−9269	1	1	1	Cover−Recycling
26−0670	2	20	1	Bolt−Blade
27−6250	1	12:3	4	Bushing
39−5770	2	29	1	Decal−Danger
40−1940	1	15	4	Washer
62−7540	2	16	1	Retainer−Blade
82−8550	2	10	1	Shield−Muffler
85−7060	1	4	1	Decal−Danger
92−1005	1	11	2	ASM−Spring Arm
92−1008	1	16	4	Knob−Height Adjust
92−2260	3	9	2	Screw−Handle
92−2914	1	9	1	Decal−HOC
92−2915	1	8	1	Decal−HOC
92−3134	3	5	1	Bar−Control
92−4881	1	26	2	Plate−Height Adjust
92−4890	1	21	4	Washer
92−5412	3	6	1	Stop−Pivot
92−8647	1	14	1	Shield−Trailing
93−0216	1	25	1	Kicker−Front
93−0217	2	14	1	Kicker−Rear
93−0218	2	21	1	Kicker−Side
93−0219	2	18	1	Accelerator
93−0222	1	24	1	Baffle−Front
93−0223	2	15	1	Baffle−Rear
93−0231	1	23	1	Screw−Plastite
93−0231	2	4	1	Screw−Plastite
93−0235	1	10	1	ASM
93−0236	1	5	1	ASM
93−0237	3	4	1	Handle−Upper
93−0238	3	11	1	Handle−Lower
93−0241	2	17	1	Blade−Steel Deck
93−0242	1	2	4	Grommet
93−0243	2	5	1	Shroud
93−0245	2	28	1	Decal−Deck
93−0248	1	7	1	Decal−Warning
93−0262	1	6	1	Decal−Warning
93−7383	3	2	1	Guide−Rope
95−1652	2	25	1	Decal−Recoil
95−1726	2	22	3	Screw−Engine Mount
95−7403	1	20	4	Bracket−Wheel Height Adj
98−3206	2	9	1	Plate−Logo
98−7130	1	12	2	ASM−Wheel
98−7131	2	3	1	Label−Speed Control
98−7134	3	10	2	Knob
98−7136	2	2	1	Sleeve−Friction
98−7145	1	19	2	ASM−Wheel
98−7147	3	7	1	Cable−Brake
2210−316	2	6	1	Rope−Stop
321−51	3	13	1	Bolt−Hex
321−52	3	8	1	Screw−HH
322−3	2	12	4	Screw−HH
3253−22	2	19	1	Washer−Lock
3256−1	3	14	1	Washer−Flat
3290−378	3	12	1	Tie−Cable
3296−2	1	28	1	Nut−Lock
3296−29	2	13	4	Nut−Lock
3296−39	1	22	4	Nut−Lock

*Not Illustrated

Toro Part Number Index (cont.)

Part No.	Page No.	Ref. No.	Qty.	Description
3296−73	3	1	2	Nut−Lock
32105−27	1	29	1	Screw−HWH
32144−4	1	3	4	Screw−TAP
32144−73	2	11	3	Screw−HWHTF
32144−111	2	1	2	Screw − PPH
32144−121	2	8	2	Screw

*Not Illustrated

MAINTENANCE RECORD

Date								

MAINTENANCE RECORD

Date								

MAINTENANCE RECORD

Date								