



Twister® 1600 Utility Vehicle

Model No. 12004TC - 280000001 and up.

Parts Catalog

Ordering Replacement Parts

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

Understanding Reference Numbers

Each identified part in an illustration has a reference number. The reference number for a part also appears in the parts list, along with other information about the part.

This catalog uses two special reference number formats, one to indicate parts in a service assembly and another to indicate the quantity of a given part in an illustration.

Service Assembly Reference Numbers

Parts in service assemblies have reference numbers in the form a:b. The a represents the reference number of the entire service assembly and the b represents a sequential number unique to each part within the service assembly.

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

Reference Numbers Indicating Quantity

In an illustration, if a reference number indicates more than one part, the reference number has the form nX y. The n represents the quantity of the part, the X is the multiplication symbol, and the y represents the reference number.

For example, in an illustration, the reference number 2X 37 means that two of the parts identified by reference number 37 are indicated.

Contents

Description	Page	Description	Page
Pedal Assembly	 3	Cylinder, Oil Filter and Dipstick Assembly	
Shifter Assembly	 4	Briggs and Stratton 303447-1319-E1	 25
Frame Assembly	 5	Crankcase Assembly Briggs and Stratton	
Seat Base Assembly	 6	303447-1319-E1	 26
Front Tire and Steering Assembly	 7	Cylinder Head and Cover Assembly Briggs	
Rear Tire and Transaxle Assembly	 8	and Stratton 303447-1319-E1	 27
Driven Clutch Assembly No. 99-7104	 9	Crankshaft, Piston and Oil Pump Assembly	
Transaxle Assembly No. 104-6898	 10	Briggs and Stratton 303447-1319-E1	 28
Left Hand Brake Assembly No. 104-6807	 12	Carburetor and Fuel Pump Assembly Briggs	
Right Hand Brake Assembly No. 104-6806	 13	and Stratton 303447-1319-E1	 29
Drivetrain Mounting, Battery and Air Cleaner		Manifold Intake and Governor Control	
Assembly	 14	Assembly Briggs and Stratton 303447-1319-E1	 30
Air Cleaner Assembly No. 99-7120	 15	Alternator Assembly Briggs and Stratton	
Upper Steering Assembly	 16	303447-1319-E1	 31
Steering Gearbox Assembly No. 99-7660	 17	Blower Housing and Cover Assembly Briggs	
Box and Tailgate Installation Assembly	 18	and Stratton 303447-1319-E1	 32
Box and Tailgate Assembly	 19	Starter Motor Assembly Briggs and Stratton	
Engine and Clutch Assembly	 20	303447-1319-E1	 33
Drive Clutch Assembly No. 99-7939	 21	Replacement Starter Motor Assembly Briggs	
Hood and Fender Assembly	 22	and Stratton 303447-1319-E1	 34
Hydraulic Brake Assembly	 23	Engine Gasket Set Briggs and Stratton	
Master Cylinder Assembly No. 104-6782	 24	303447-1319-E1	 35
		Valve Gasket Set and Carburetor Overhaul Kit	
		Briggs and Stratton 303447-1319-E1	 36
		Attachments and Accessories List	 37

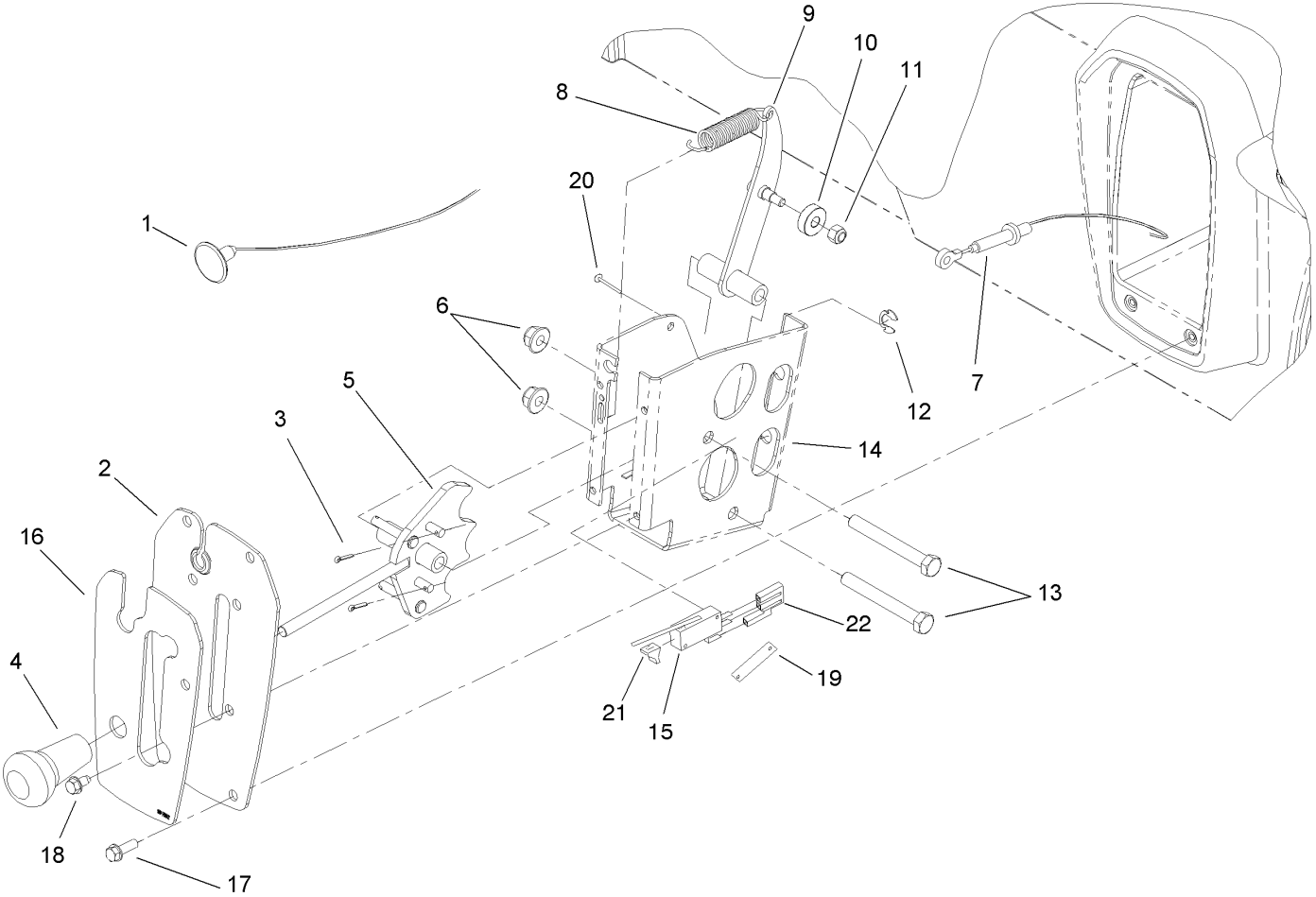
Part Description Abbreviations

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

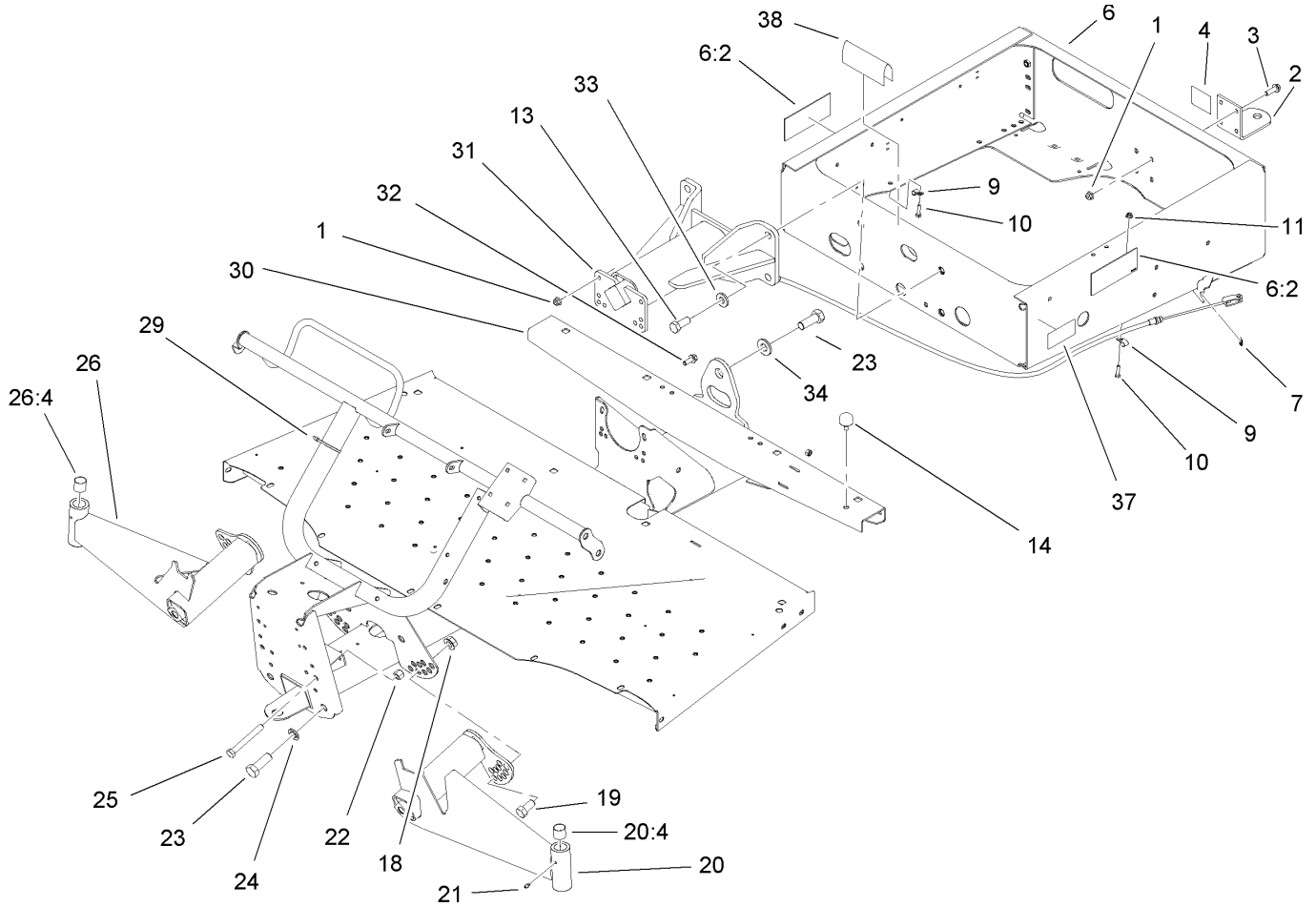
Footnotes

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



Shifter Assembly

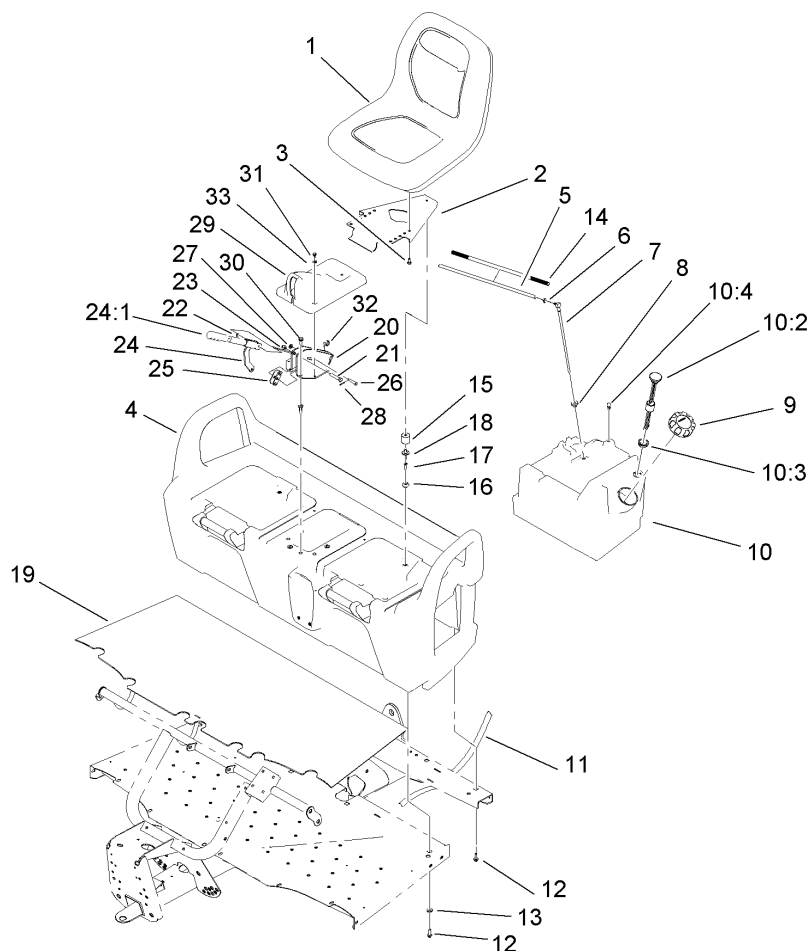
Ref	Part No.	Qty.	Description				
1	99-7111	1	Cable-Choke				
2	99-7887-03	1	Plate-Shifter				
3	3272-5	2	Pin-Cotter				
4	99-7981	1	Knob-Grip, Soft				
5	108-3139	1	Lever-Shift				
6	104-8301	2	Nut-Flange, NI				
7	104-6896	2	Cable-Shift				
8	104-6415	1	Spring-Return, Pedal				
9	108-3138	1	Arm-Detent				
10	251-307	1	Bearing-Ball				
11	3296-42	1	Nut-Lock, NI				
12	32151-101	2	E-Ring				
13	323-14	2	Screw-HH				
14	108-3141-03	1	Bracket-Shift				
15	88-9932	1	Switch-Micro				
16	99-7952	1	Decal-Shifter				
17	32105-15	4	Screw				
18	12-3270	4	Screw				
19	3290-354	1	Nut-Speed				
20	3290-313	2	Screw-Ph				
21	93-3240	1	Plunger-Seal				
22	107-0725	1	Harness-Jumper, Shift				



Frame Assembly

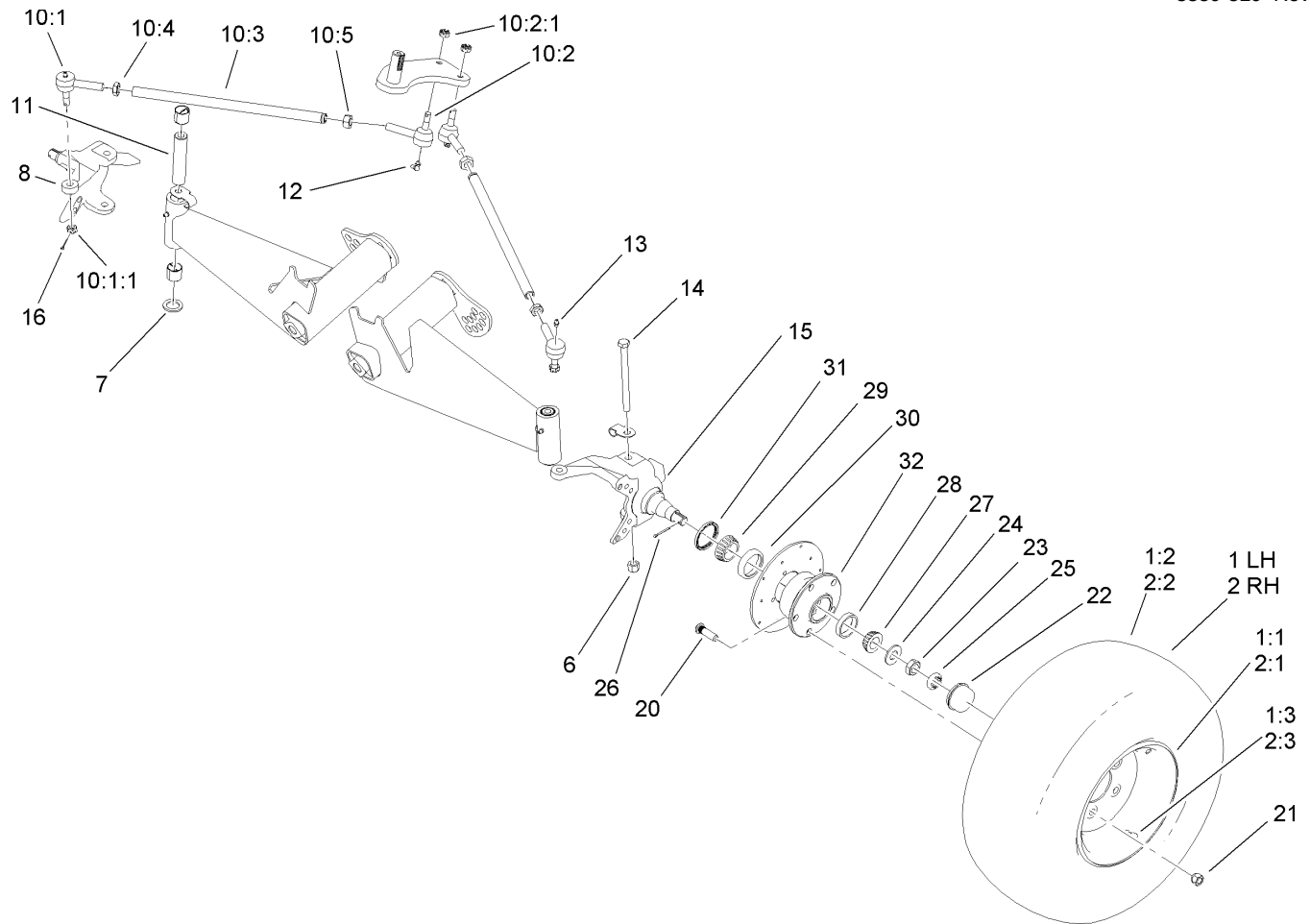
Ref	Part No.	Qty.	Description
1	104-8301	8	Nut-Flange, NI
2	99-7654-03	1	Hitch-Duty, Light
3	3234-24	4	Screw-HHF
4	99-7350	1	Decal-Rating, Hitch (Light Duty)
6	108-3137	1	Rear Frame ASM
6:2	99-7345	2	Decal-Warning
7	32120-47	2	Ring-Retaining, External
9	2412-89	2	Clamp
10	321-6	2	Screw-HH
11	32128-33	2	Nut-HF
13	327-4	4	Screw-HH
14	87-2440	1	Bumper-Rubber
18	32128-54	2	Nut-HF
19	3214-2	2	Screw-HH
20	99-7685	1	LH A-Arm ASM
20:4	3-0348	2	Bushing
21	302-5	2	Fitting-Grease
22	3296-23	2	Nut-Lock, NI
23	328-24	5	Screw-HH
24	3254-7	4	Washer-Lock, Int
25	325-17	2	Screw-HH
26	99-7684	1	RH A-Arm ASM
26:4	3-0348	2	Bushing
29	3290-379	12	Tie-Cable

Ref	Part No.	Qty.	Description
30	104-7197-03	1	Front Frame ASM
31	99-7700	1	Pivot Yoke ASM
32	3234-11	4	Screw-HHF
33	99-7667	4	Washer-Flat
34	87-3060	1	Washer-Hardened
37	104-6592	1	Decal-Capacity (Ce)
38	95-5686	1	Trim



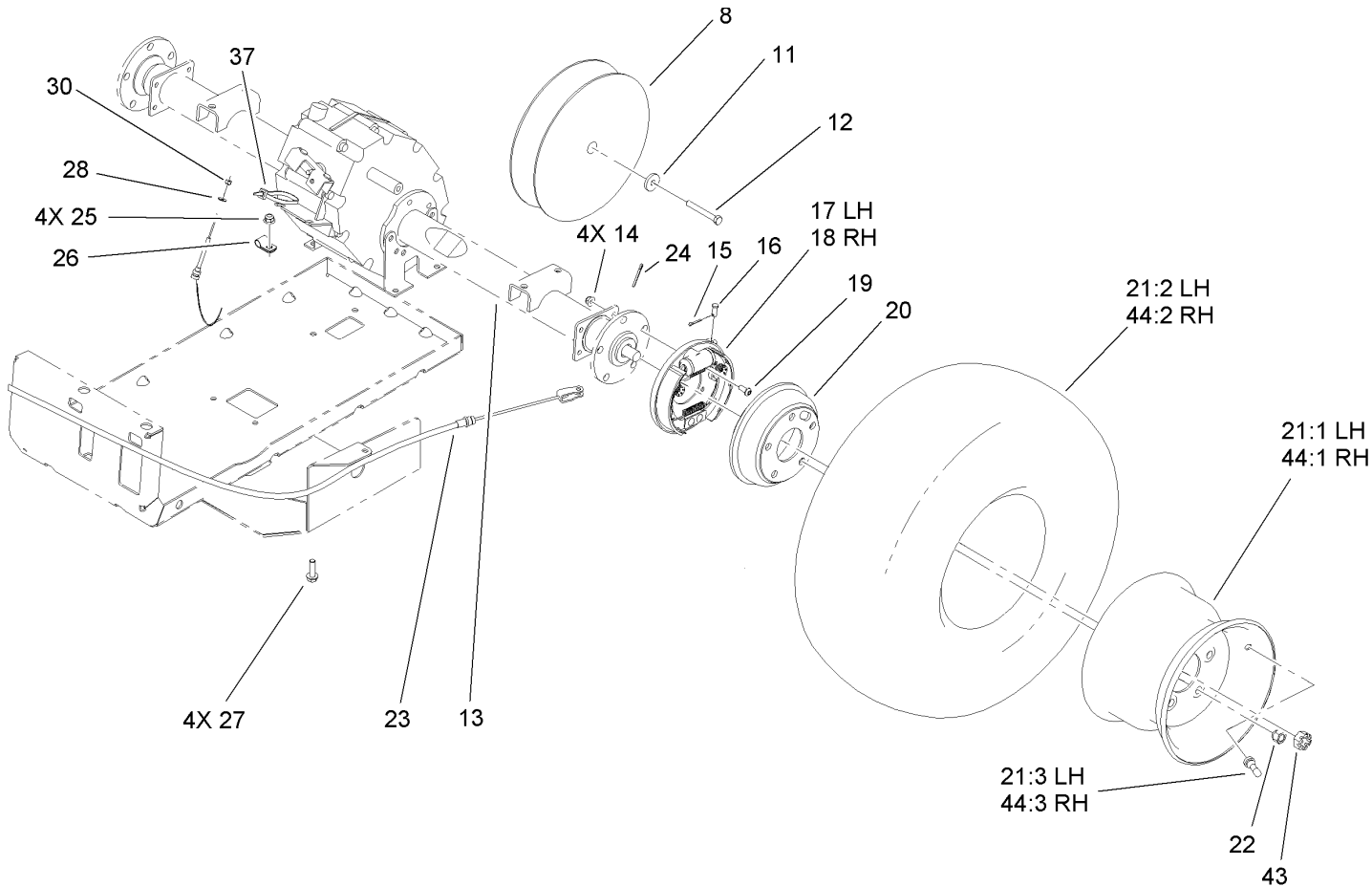
Seat Base Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	112-2923	2	Seat ASM	22	3290-477	1	Washer-Curved
2	99-7829	2	Bracket-Seat	23	3296-39	1	Nut-Lock, NI
3	33114-016	8	Screw-HH	24	104-6842	1	Lever-Brake, Park
4	104-6847	1	Seat Base ASM	24:1	106-7972	1	Grip-Handle
5	108-4582	1	Hose-Fuel	25	87-3480	1	Bracket-Equalizer, Cable
6	2412-98	1	Clamp	26	94-3829	1	Pin-Clevis
7	99-7264	1	Pipe-Stand	27	3256-23	1	Washer-Flat
8	46-6560	1	Bushing	28	3272-6	1	Pin-Cotter
9	95-4192	1	Unleaded Gas Cap ASM	29	104-7014	1	Cover-Brake, Parking
10	99-7323	1	Fuel Tank ASM	30	3234-17	4	Screw-HHF
10:2	99-7262	1	Gauge-Fuel	31	12-3270	2	Screw
10:3	95-8972	1	Grommet	32	32120-47	2	Ring-Retaining, External
10:4	99-7267	1	Vent-Air	33	3256-1	2	Washer-Flat
11	3339-175	1	Strapping-Web, 48 Inch				
12	3234-17	8	Screw-HHF				
13	88-7200	8	Washer-Flat				
14	99-7129	1	Conduit-Line, Fuel				
15	99-7830	2	Rubber Receptical ASM				
16	99-7833	2	Post-Holding				
17	32108-5	2	Screw-FH				
18	3290-412	2	Rivet				
19	104-6590	1	Mat-Floor				
20	104-6844-03	1	Support-Brake, Park				
21	323-10	1	Screw-HH				



Front Tire and Steering Assembly

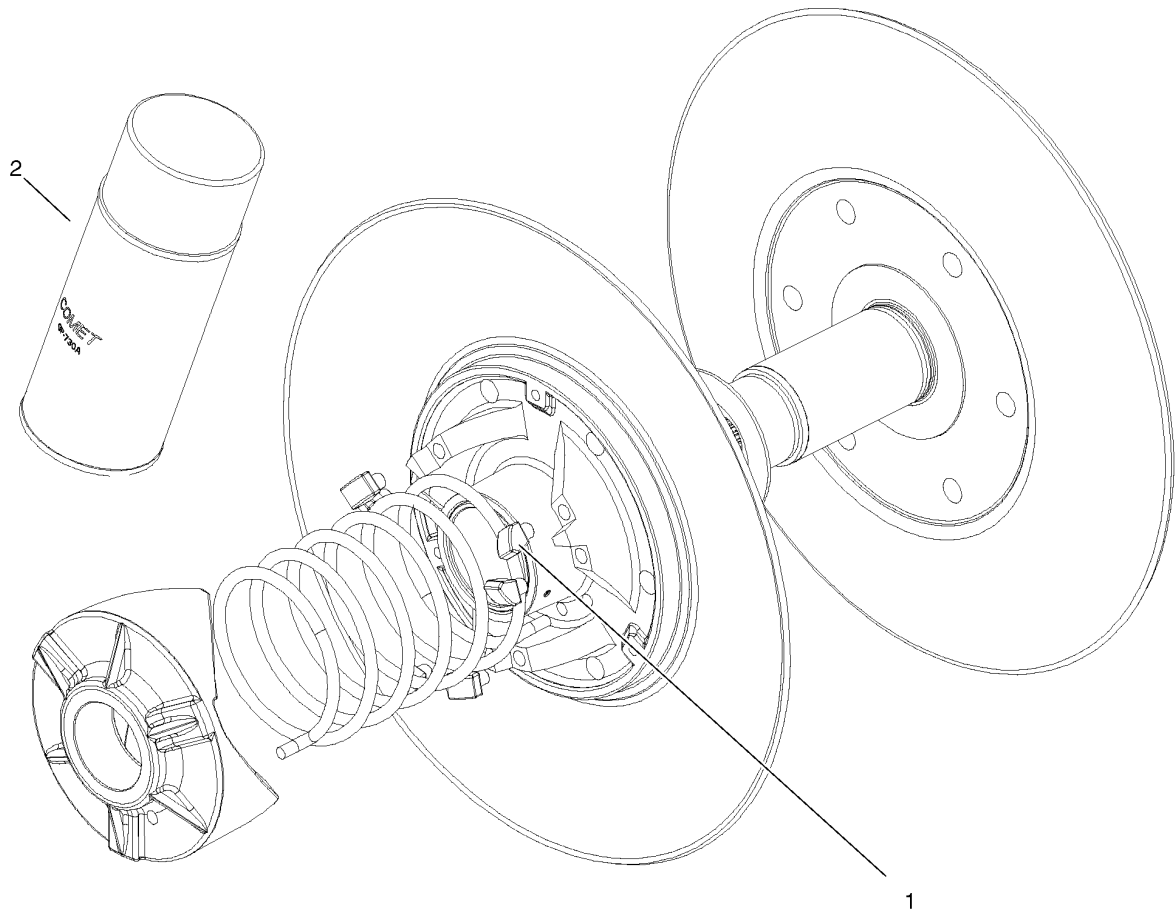
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
❶		1	Tire And Wheel ASM	16	3272-7	4	Pin-Cotter
1:1	104-6889	1	Wheel-5 Bolt	20	10-6830	10	Stud-Type, Drive
1:2	104-7062	1	Tire	21	242-50	10	Nut-Lug
1:3	232-27	1	Stem-Valve	22	241-119	2	Cap-Dust
❷		1	Tire And Wheel ASM	23	3220-7	2	Nut-Jam
2:1	104-6889	1	Wheel-5 Bolt	24	93-0309	2	Washer-Tab
2:2	104-7062	1	Tire	25	93-0307	2	Nut-Lock, Retainer
2:3	232-27	1	Stem-Valve	26	3272-12	2	Pin-Cotter
6	3296-23	2	Nut-Lock, NI	27	254-94	2	Bearing-Cone, Tapered
7	256-115	2	Washer-Thrust	28	254-72	2	Bearing-Cup, Tapered
8	104-6877	1	Spindle-Disc, RH	29	254-106	2	Cone-Bearing, Tapered
❸		2	Tie Rod ASM	30	254-107	2	Cup-Bearing, Tapered
10:1	112772-03	1	RH Ball Joint ASM	31	108-7019	2	Seal-Shaft
10:1:1	915031	1	Nut	32	104-6809	2	Hub
10:2	112771-03	1	LH Ball Joint ASM				
10:2:1	915031	1	Nut				
10:3	99-7600-03	1	Rod-Tie				
10:4	3220-11	1	Nut-Jam				
10:5	3218-21	1	Nut-Jam				
11	99-7499	2	Sleeve-Kingpin				
12	302-60	2	Fitting-Grease, 90 DEG				
13	302-5	2	Fitting-Grease				
14	325-20	2	Screw-HH				
15	104-6876	1	Spindle-Disc, LH				



Rear Tire and Transaxle Assembly

Ref	Part No.	Qty.	Description
8	99-7104	1	Clutch-Driven
11	104-6563	1	Washer-Stepped
12	104-6564	1	Screw-HH
13	104-6898	1	Transaxle
14	104-8300	8	Nut-Flange, NI
15	3272-10	2	Pin-Cotter
16	283-62	2	Pin-Clevis
17	104-6807	1	LH Brake ASM
18	104-6806	1	RH Brake ASM
19	3274-55	8	Screw-HSBH
20	104-6500	2	Drum-Brake
21		1	Tire And Wheel ASM
21:1	104-6889	1	Wheel-5 Bolt
21:2	104-7061	1	Tire
21:3	232-27	1	Stem-Valve
22	242-50	10	Nut-Lug
23	104-6846	2	Cable-Brake, Park
24	3272-42	2	Pin-Cotter
25	104-8301	4	Nut-Flange, NI
26	2412-10	1	R-Clamp
27	3234-24	4	Screw-HHF
28	3256-49	2	Washer-Flat
30	3296-2	2	Nut-Lock
37	3290-378	1	Tie-Cable

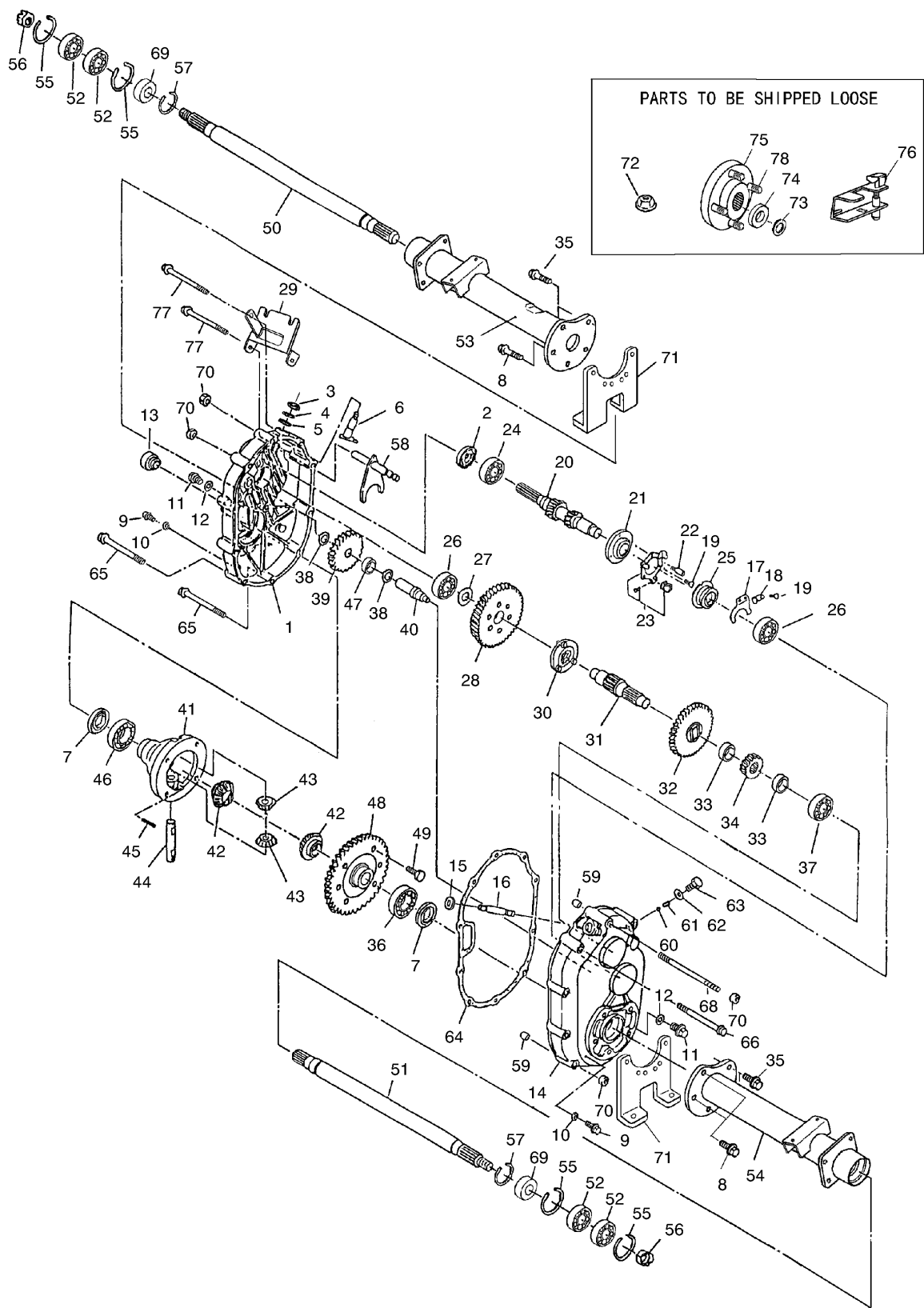
Ref	Part No.	Qty.	Description
43	104-1656	2	Nut-Castle
44		1	Tire And Wheel ASM
44:1	104-6889	1	Wheel-5 Bolt
44:2	104-7061	1	Tire
44:3	232-27	1	Stem-Valve



Driven Clutch Assembly No. 99-7104

Ref	Part No.	Qty.	Description
1	104-4257	1	Button Kit
2	104-7011	1	Lubricant-Dry

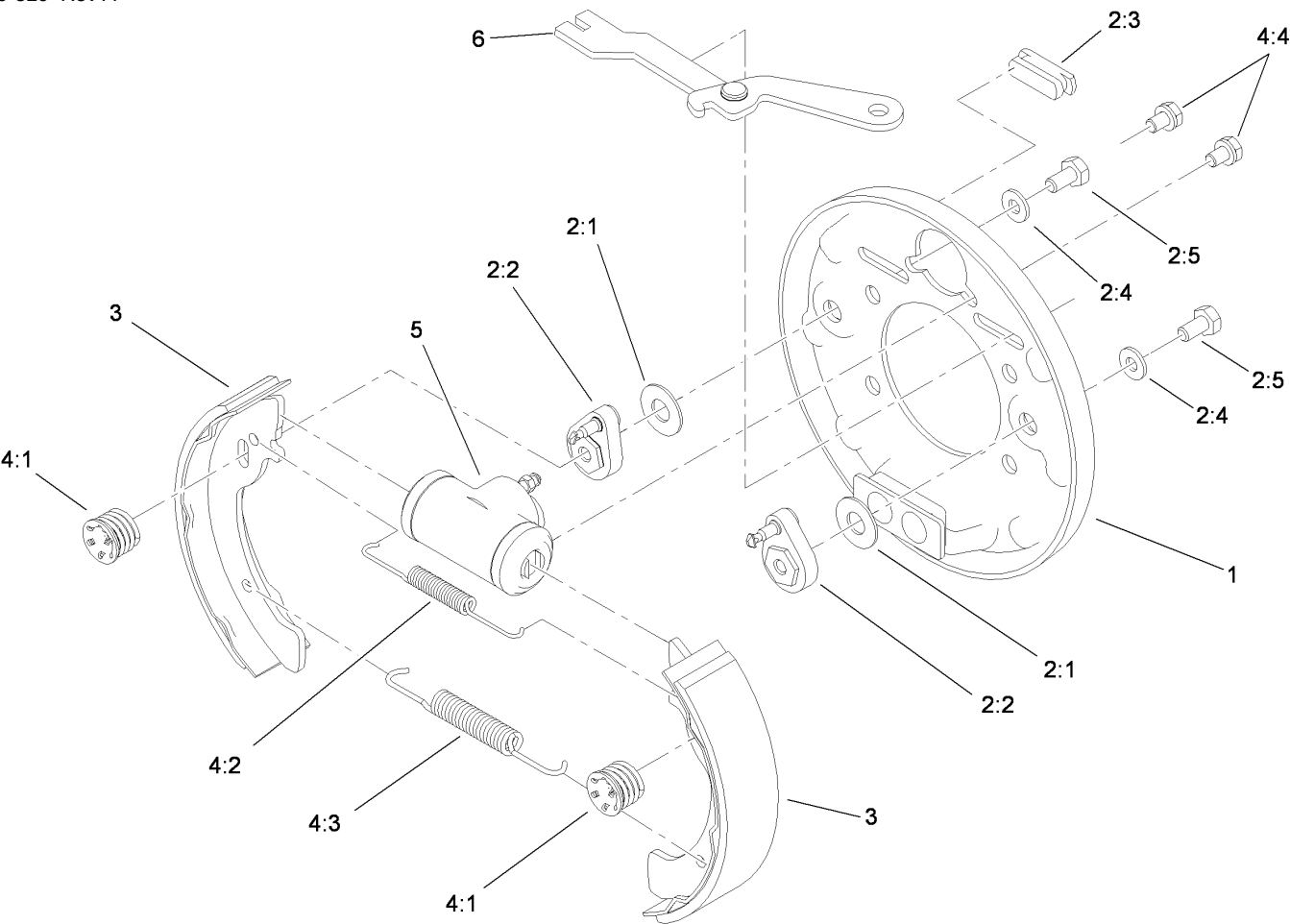
Transaxle Assembly No. 104-6898



Transaxle Assembly No. 104-6898

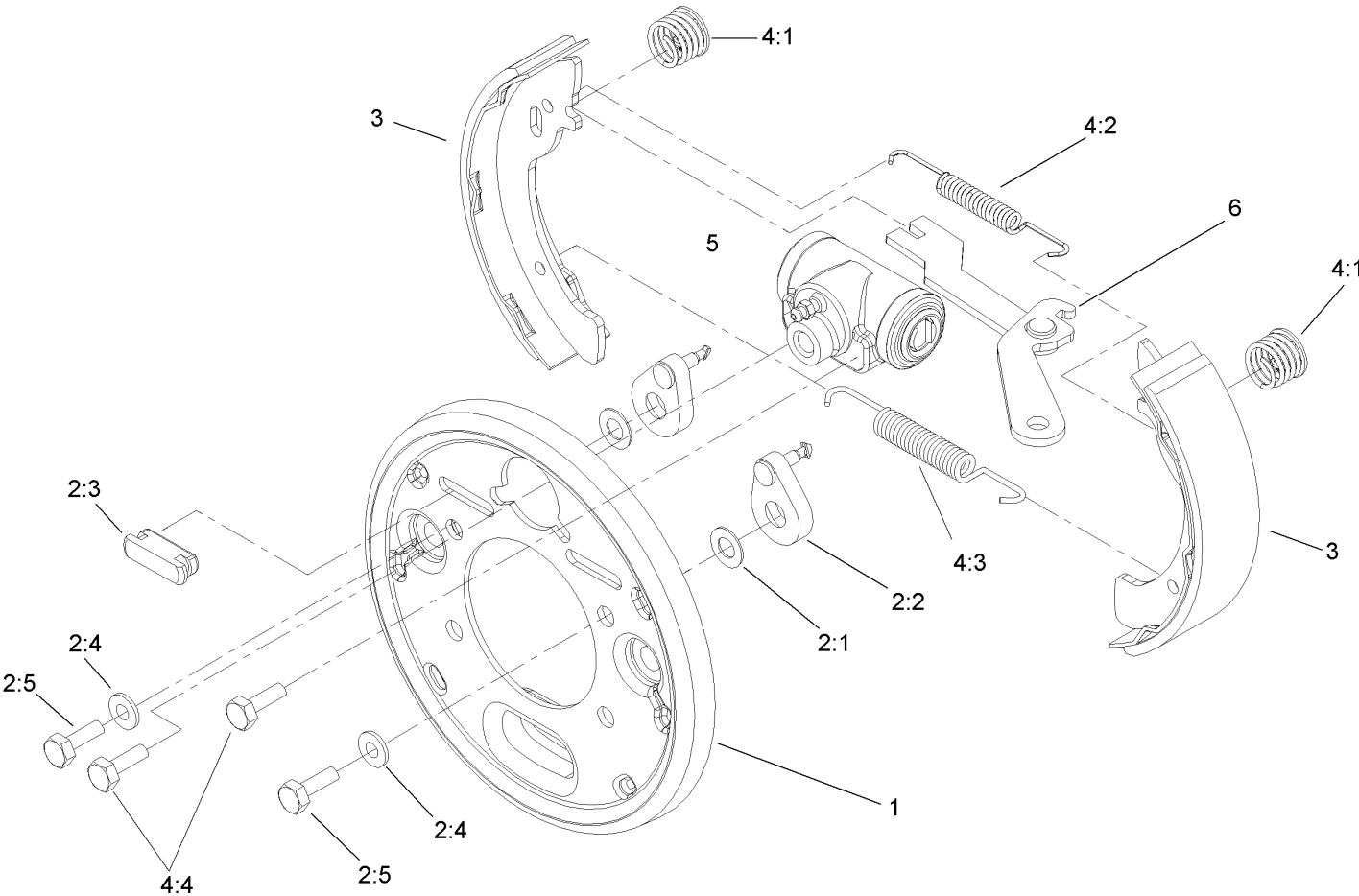
Ref	Part No.	Qty.	Description
1	104-1601	1	Case-LH, Complete
2	104-1602	1	Seal-Oil
3	104-1603	1	Seal-Oil
4	104-1604	1	Ring-Snap
5	104-1605	1	Spacer
6	104-1606	1	Shaft-Selector
7	104-1607	2	Seal-Oil
8	104-1608	4	Bolt-Flange
9	104-1609	2	Plug-Check, Oil
10	104-1610	2	Gasket
11	104-1611	2	Plug-Drain, Oil
12	104-1612	2	Gasket
13	104-1613	1	Plug-Filler, Oil
14	104-1614	1	Case-Complete, RH
15	104-1615	1	Seal-Oil
16	104-1616	1	Shaft-Governor
17	104-1617	1	Fork-Governor
18	104-1618	1	Stopper
19	104-1619	4	Screw And Washer ASM
20	104-7002	1	Shaft-Input, Complete
21	104-1621	1	Base-Governor
22	104-1622	1	Pin-Lock
23	104-1623	1	Unit-Plate, Governor
24	104-1624	1	Bearing-Ball
25	104-1625	1	Sleeve-Governor
26	104-1626	2	Bearing-Ball
27	104-1627	1	Spacer
28	104-1628	1	Gear
29	104-1629	1	Bracket-Wire, Change
30	104-1630	1	Clutch-Pin
31	104-1631	1	Shaft-Center
32	104-1632	1	Gear
33	104-1633	2	Collar
34	104-1634	1	Gear
35	104-1635	6	Bolt-Flange
36	104-1636	1	Bearing-Ball
37	104-1637	1	Bearing-Ball
38	104-1638	2	Spacer
39	104-1639	1	Gear
40	104-1640	1	Shaft-Counter
41	104-1641	1	Case-Differential
42	104-1642	2	Gear-Side, Differential
43	104-1643	2	Pinion-Differential
44	104-1644	1	Shaft-Differential
45	104-1645	1	Pin
46	104-1646	1	Bearing-Ball
47	104-1647	1	Bearing-Needle
48	104-1648	1	Gear
49	104-1649	6	Bolt
50	104-1650	1	Shaft-Axle, LH
51	104-1651	1	Shaft-Axle, RH
52	104-1652	4	Bearing-Ball

Ref	Part No.	Qty.	Description
53	104-1653	1	Case-Axle, LH
54	104-1654	1	Case-Axle, RH
55	104-1655	4	Ring-Snap
56	104-1656	2	Nut-Castle
57	104-1657	2	Ring-Snap
58	104-6870	1	Shaft-Shift, Complete
59	104-1659	2	Knock-Pipe
60	104-1660	1	Ball-Steel
61	104-1661	1	Spring
62	104-1662	1	Gasket
63	104-1663	1	Bolt
64	104-1664	1	Gasket
65	104-1665	6	Bolt-Flange
66	104-1666	1	Bolt-Flange
68	104-6866	1	Bolt
69	104-6867	2	Collar
70	33004-00	11	Nut-HF
71	104-1671	2	Bracket-Axle
72	104-1672	1	Nut-Lock
73	104-1673	2	Washer-Spring
74	104-1674	2	Washer
75	104-1675	2	Hub
76	104-6860	1	Lever-Select
77	104-6869	2	Bolt-Flange
78	104-8649	10	Stud



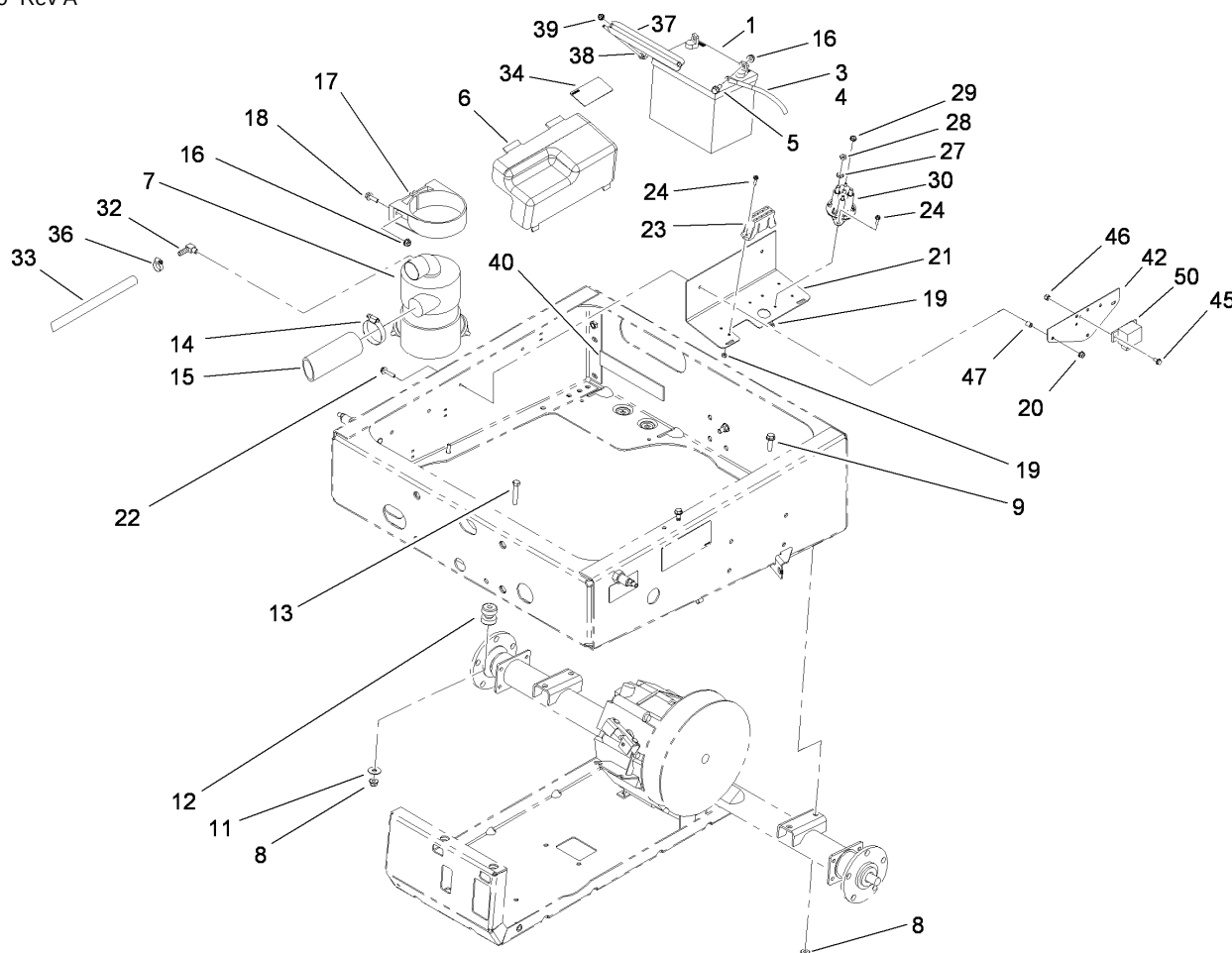
Left Hand Brake Assembly No. 104-6807

Ref	Part No.	Qty.	Description				
1	100-8586	1	Backing Plate ASM				
2	104-6820	1	Adjuster Kit				
2:1	100-8585	2	Washer-Bellville				
2:2	100-8588	2	Adjuster Lever ASM				
2:3	100-8584	2	Cover-Dust				
❶2:4		2	Washer				
❶2:5		2	Bolt				
3	104-6818	4	Shoe And Lining Kit				
4	104-6819	1	Hardware Kit				
4:1	100-8583	2	Shoe Hold Down Spring ASM				
4:2	100-8581	2	Spring-Upper				
4:3	100-8582	2	Spring-Lower				
❶4:4		2	Bolt And Washer				
5	104-6824	1	Wheel Cylinder ASM				
6	104-6825	1	LH Park Brake Lever ASM				



Right Hand Brake Assembly No. 104-6806

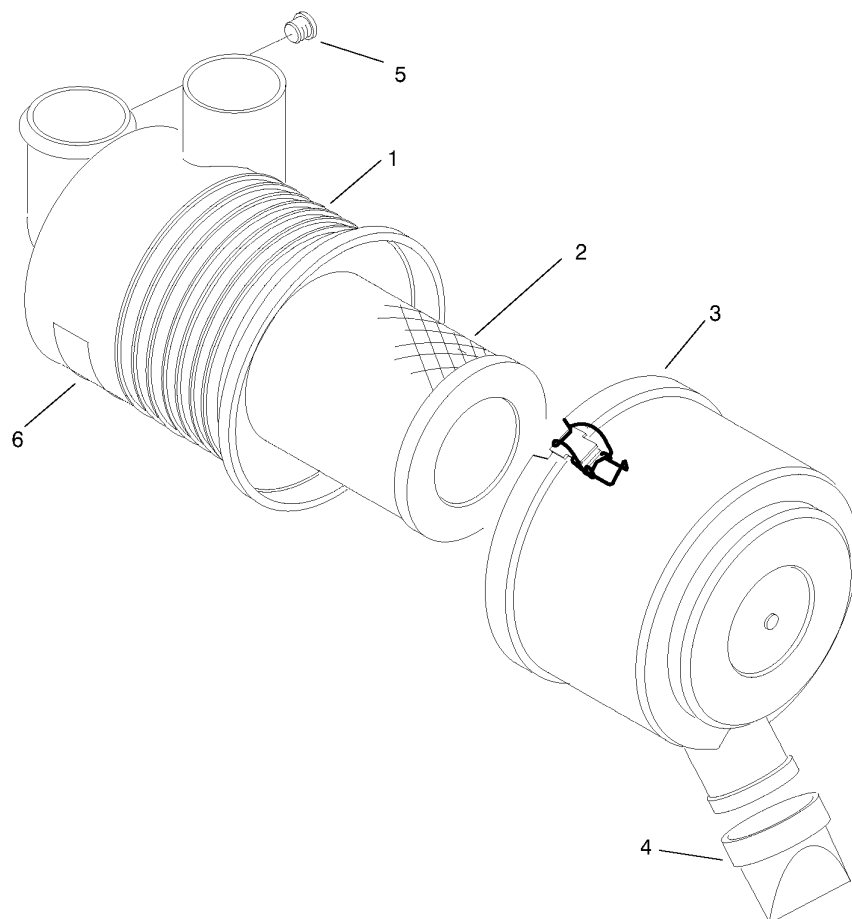
Ref	Part No.	Qty.	Description				
1	100-8586	1	Backing Plate ASM				
2	104-6820	1	Adjuster Kit				
2:1	100-8585	2	Washer-Bellville				
2:2	100-8588	2	Adjuster Lever ASM				
2:3	100-8584	2	Cover-Dust				
❶2:4		2	Washer				
❶2:5		2	Bolt				
3	104-6818	4	Shoe And Lining Kit				
4	104-6819	1	Hardware Kit				
4:1	100-8583	2	Shoe Hold Down Spring ASM				
4:2	100-8581	2	Spring-Upper				
4:3	100-8582	2	Spring-Lower				
❶4:4		2	Bolt And Washer				
5	104-6824	1	Wheel Cylinder ASM				
6	104-6826	1	RH Park Brake Lever ASM				



Drivetrain Mounting, Battery and Air Cleaner Assembly

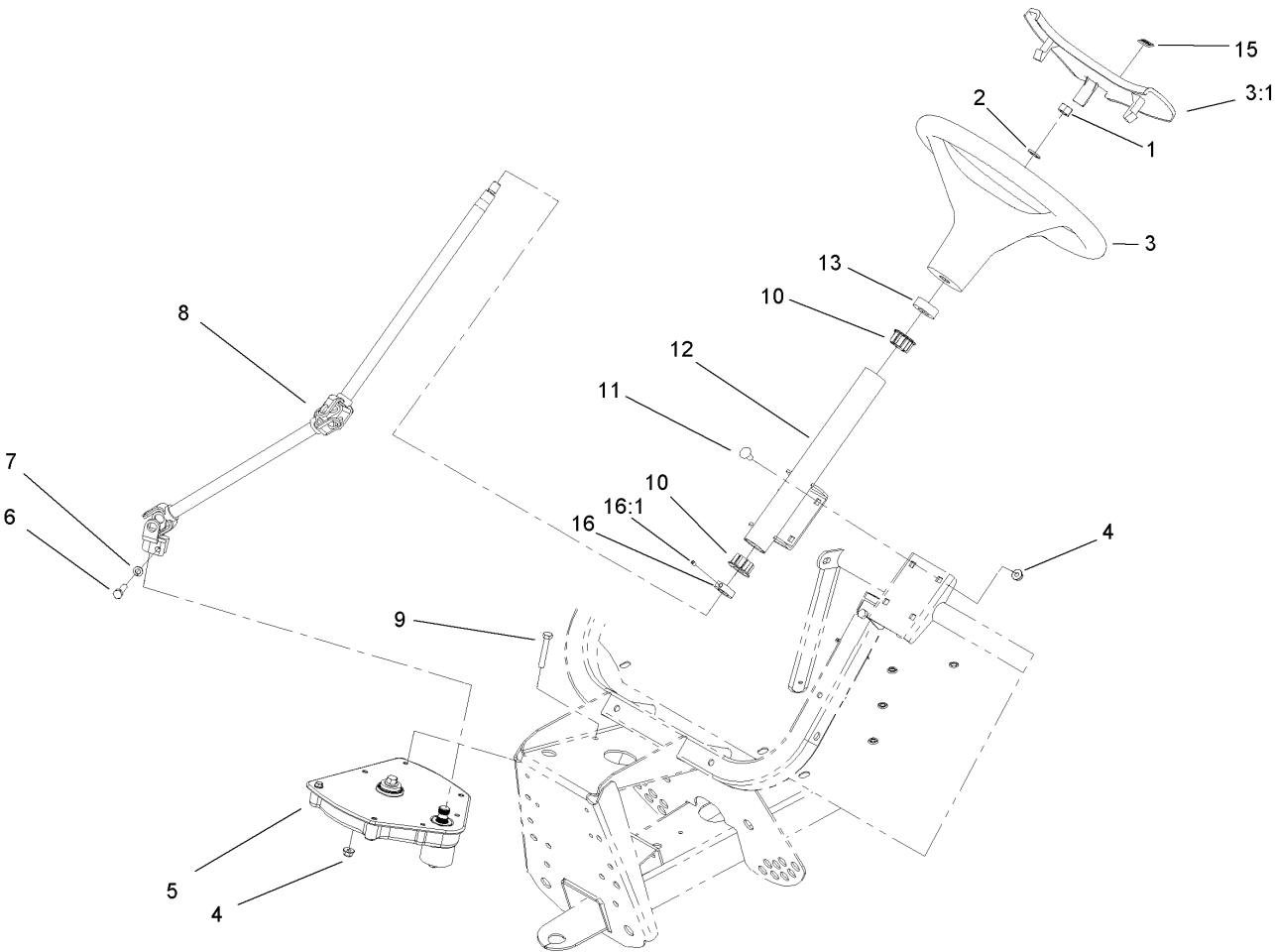
Ref	Part No.	Qty.	Description
1	104-8162	1	Battery
3	99-7428	1	Cable-Negative
4	99-7404	1	Cable-Positive
5	3234-5	2	Screw-HHF
6	99-7325	1	Cover-Electrical
7	99-7120	1	Air Cleaner ASM
8	104-8301	6	Nut-Flange, NI
9	3234-24	4	Screw-HHF
11	3256-35	2	Washer-Flat
12	95-2596	2	Mount-Iso
13	323-10	2	Screw-HH
14	2412-130	1	Clamp-Hose
15	104-6528	1	Hose-Intake
16	104-8300	4	Nut-Flange, NI
17	95-5806	1	Bracket-Mounting
18	3234-17	2	Screw-HHF
19	3296-2	4	Nut-Lock
20	32128-32	2	Nut-HHF
21	99-7051-03	1	Mount-Component
22	3234-21	2	Screw-Cap
23	107-0673	1	Harness-Wire, Main
24	32105-13	4	Screw-HWH
27	3255-8	2	Washer-Lock
28	3220-2	2	Nut-Jam

Ref	Part No.	Qty.	Description
29	32149-8	2	Nut-Keps
30	114-3315	1	Solenoid-12 Vdc
32	99-7230	1	Fitting-90 DEG
33	99-7842	1	Hose-Breather
34	99-7958	1	Decal-Information
36	2412-36	2	Clamp-Hose
37	92-5018-03	1	Clamp-Battery
38	95-4042	2	Hook-Retain, Battery
39	104-7201	2	Nut-HF
40	104-7102	1	Pad-Battery
42	99-7370-03	1	Bracket-Ignition
45	3234-13	2	Screw-HHF
46	3296-42	2	Nut-Lock, NI
47	68-0610	2	Spacer
50	66-8800	1	Relay



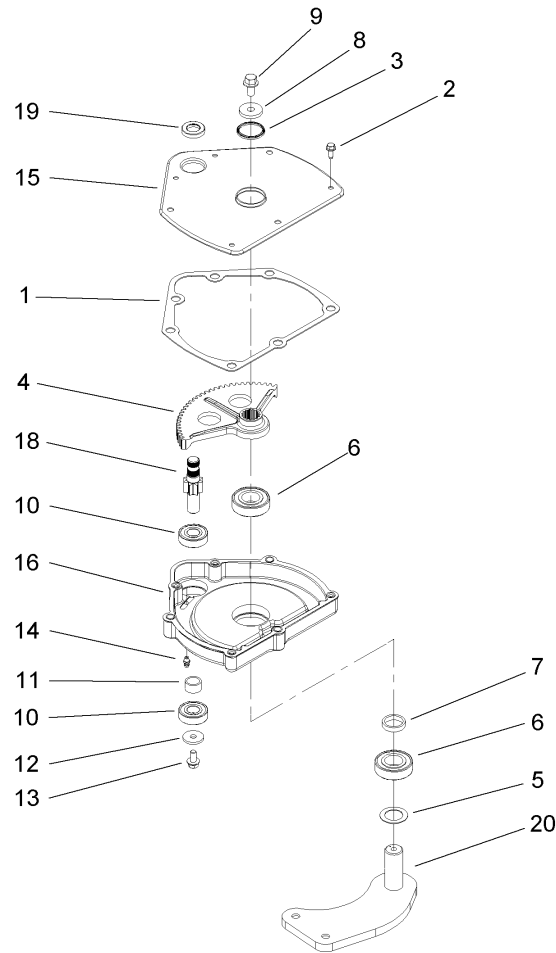
Air Cleaner Assembly No. 99-7120

Ref	Part No.	Qty.	Description
❶1		1	Body
2	108-3811	1	Filter-Air
3	94-3652	1	Cover ASM
4	87-9400	1	Valve-Vacuator
❶5		1	Plug
❶6		1	Marking



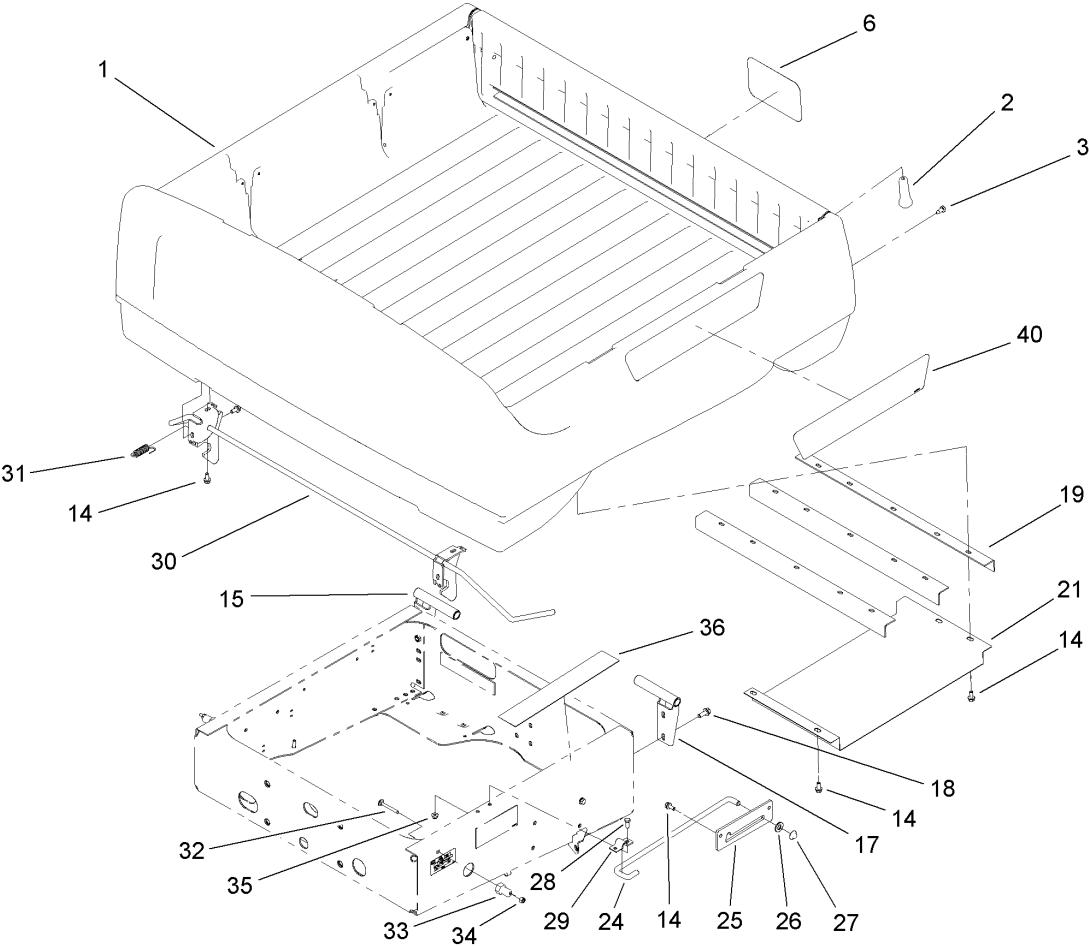
Upper Steering Assembly

Ref	Part No.	Qty.	Description				
1	110-8815	1	Nut-Hex				
2	3256-26	1	Washer-Flat				
3	98-1471	1	Wheel-Steering				
3:1	98-1468	1	Cover-Wheel, Steering				
4	104-8300	7	Nut-Flange, NI				
5	99-7660	1	Steering Gearbox ASM				
6	48-7730	1	Screw-HH				
7	3253-4	1	Washer-Lock				
8	99-7653	1	Shaft-Steering				
9	322-10	3	Screw-HH				
10	93-1146	2	Bushing-Steering, Upper				
11	3230-1	4	Bolt-CARR				
12	99-7651-03	1	Column-Steering				
13	21-9260	1	Cover-Dust				
15	98-1459	1	Decal				
16	111383	1	Collar				
16:1	3245-32	1	Screw-HSH				



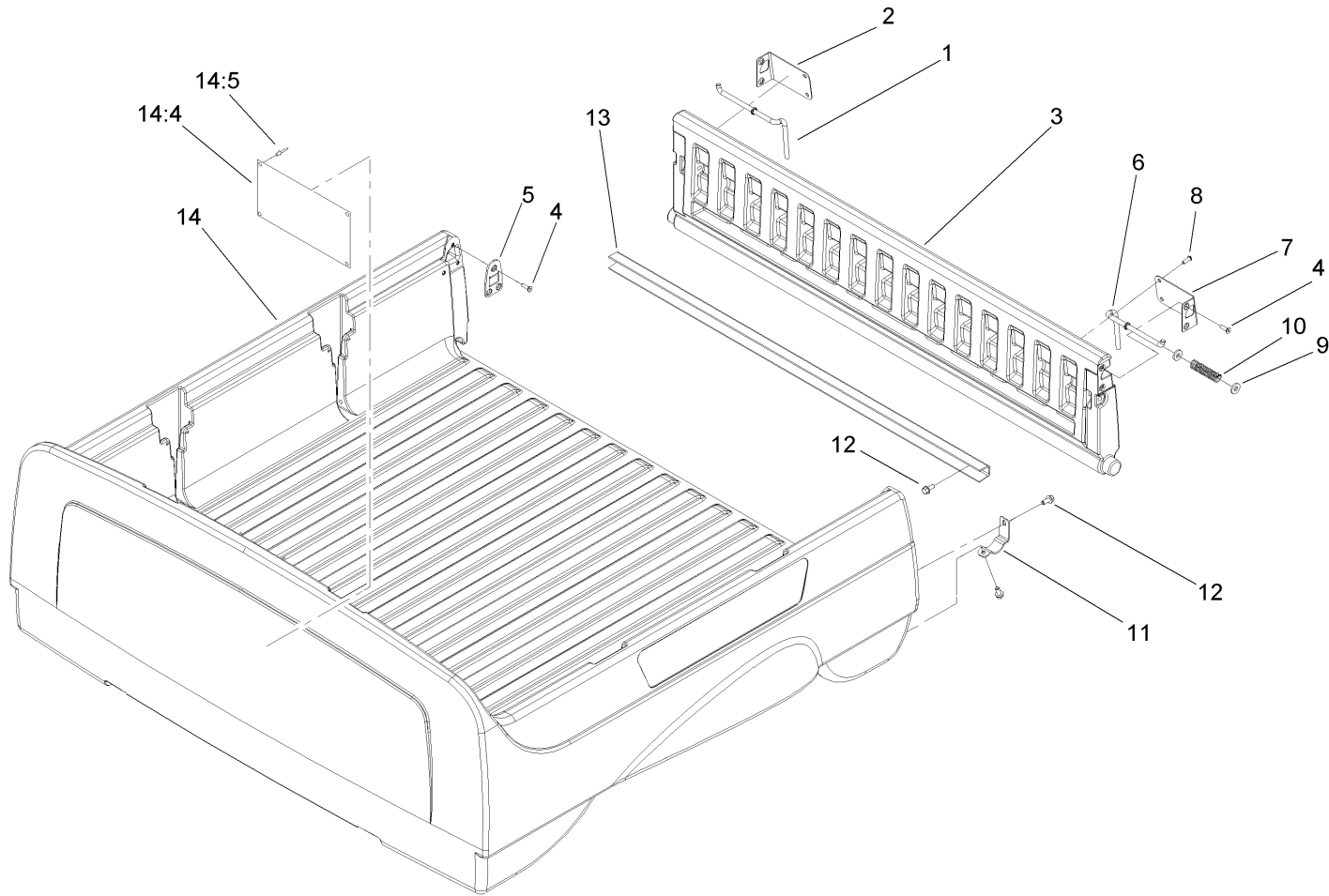
Steering Gearbox Assembly No. 99-7660

Ref	Part No.	Qty.	Description				
1	94-2135	1	Gasket				
2	32144-10	4	Screw-HWH				
3	103118	1	Seal				
4	99-7843	1	Sector-Gear				
5	3256-42	1	Washer-Flat				
6	251-82	2	Bearing-Ball				
7	94-2218	1	Spacer-Shaft, Output				
8	104-6563	1	Washer-Stepped				
9	104-7156	1	Screw-HHF				
10	38-7820	2	Bearing-Ball				
11	94-2217	1	Spacer-Shaft, Input				
12	1-613235	1	Washer				
13	98-3498	1	Screw-HH				
14	302-5	1	Fitting-Grease				
15	99-7656-03	1	Cover-Housing, Steering				
16	99-7658	1	Housing-Steering				
18	99-7650	1	Gear-Pinion				
19	99-7657	1	Seal-Oil				
20	99-7601-03	1	Arm-Pitman				



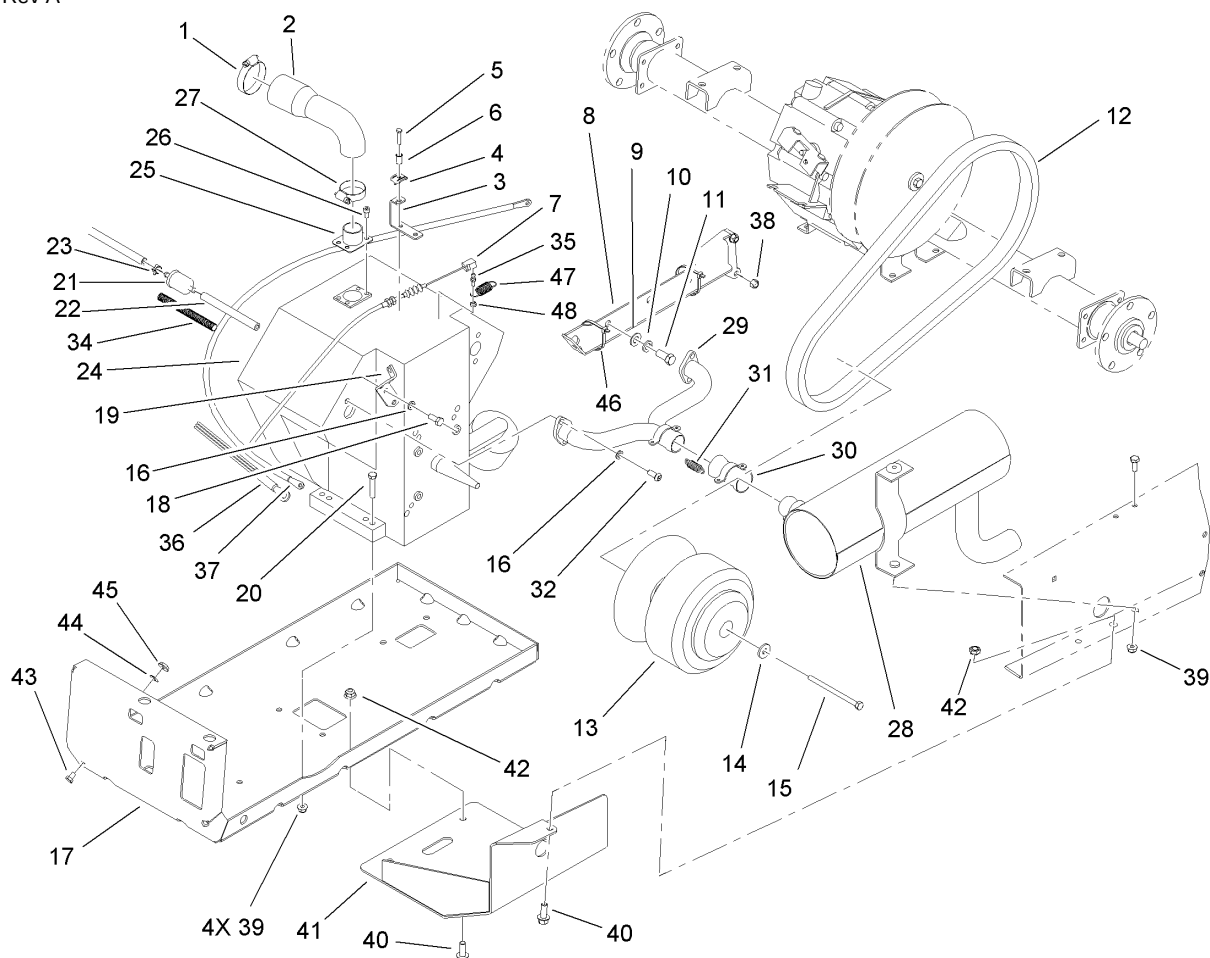
Box and Tailgate Installation Assembly

Ref	Part No.	Qty.	Description				
❶ 1		1	Box And Tailgate ASM				
2	99-7984	2	Knob-Soft Grip, Push-On				
3	87-8460	2	Bumper-Rubber				
6	104-7213	1	Decal				
14	3234-5	18	Screw-HHF				
15	99-7309-03	1	RH Pivot Bracket ASM				
17	99-7308-03	1	LH Pivot Bracket ASM				
18	3234-11	4	Screw-HHF				
19	99-7864-03	3	Brace-Box				
21	99-7870	1	Shield-Heat				
24	99-7895	1	Rod-Prop				
25	99-7894	1	Bracket-Rod, Prop				
26	3256-26	1	Washer-Flat				
27	32112-14	1	Nut-Push				
28	3234-17	2	Screw-HHF				
29	99-7896	1	Bracket-U, Prop Rod				
30	104-7244	1	Rod-Latch				
31	5-7290	2	Spring-Tension				
32	3230-7	2	Screw-CARR				
33	104-7248	2	Pin-Latch				
34	3296-29	2	Nut-Lock, NI				
35	104-8300	1	Nut-Flange, NI				
36	104-6859	1	Shield-Heat				
40	104-7266	2	Decal-Bed				



Box and Tailgate Assembly

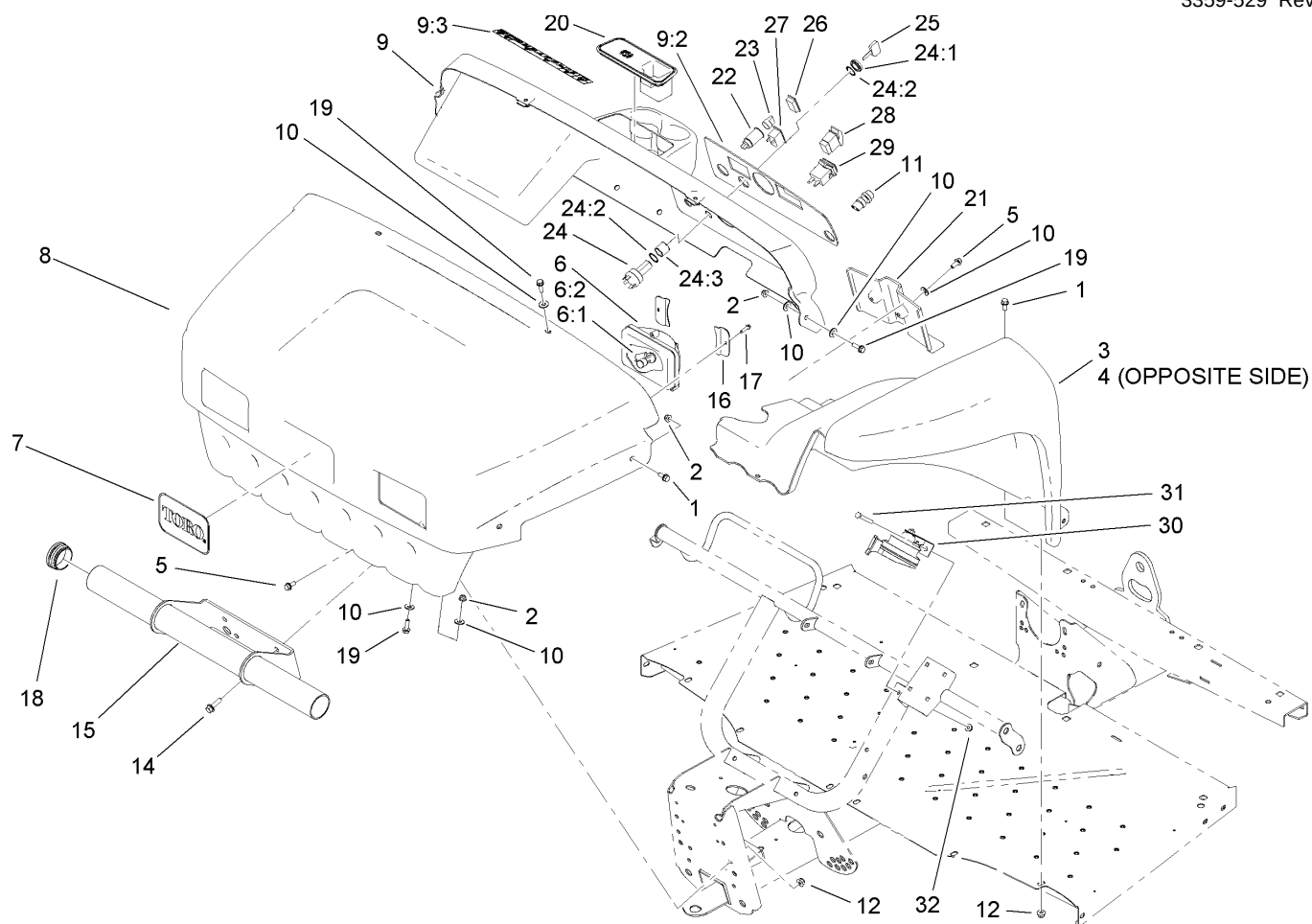
Ref	Part No.	Qty.	Description				
1	99-7860	1	Rod-Latch, Right				
2	99-7858	1	Bracket-Tailgate Latch, Right				
3	99-7893	1	Tailgate ASM				
4	99-7334	10	Screw				
5	99-7852	2	Plate-Striker				
6	99-7859	1	Rod-Latch, Left				
7	99-7857	1	Bracket-Tailgate Latch, Left				
8	99-7335	4	Screw				
9	99-7861	4	Washer-Latch				
10	61-8880	2	Spring				
11	99-7286	2	Bracket-Pivot, Tailgate				
12	3234-5	10	Screw-HHF				
13	99-7867	1	Channel-Tailgate				
14	104-7203	1	Box ASM				
14:4	99-7954	1	Decal-No Riders				
14:5	3290-415	4	Rivet				



Engine and Clutch Assembly

Ref	Part No.	Qty.	Description
1	2412-130	1	Clamp-Hose
2	99-7106	1	Hose-Intake
3	107-0319	1	Bracket-Cable
4	81-1690	1	Clamp-Cable
5	3290-432	1	Screw-HH
6	32148-14	1	Insert-Threaded
7	108-7017	1	Cable-Accelerator
8	104-6631-03	1	Torque Arm ASM
9	3256-25	2	Washer-Flat
10	3253-6	2	Washer-Lock
11	324-4	2	Screw-HH
12	99-7144	1	Belt-Drive
13	99-7939	1	Clutch-Drive
14	5-0838	1	Washer
15	99-7201	1	Screw-HH
16	3253-4	6	Washer-Lock
17	104-6433-03	1	Mount-Engine
18	66-3160	2	Screw-Cap
19	104-7152	1	Bracket-Cable, Throttle
20	322-8	4	Screw-HH
21	94-2690	1	Filter-Fuel
22	109-0678	1	Hose-Fuel
23	2412-98	3	Clamp

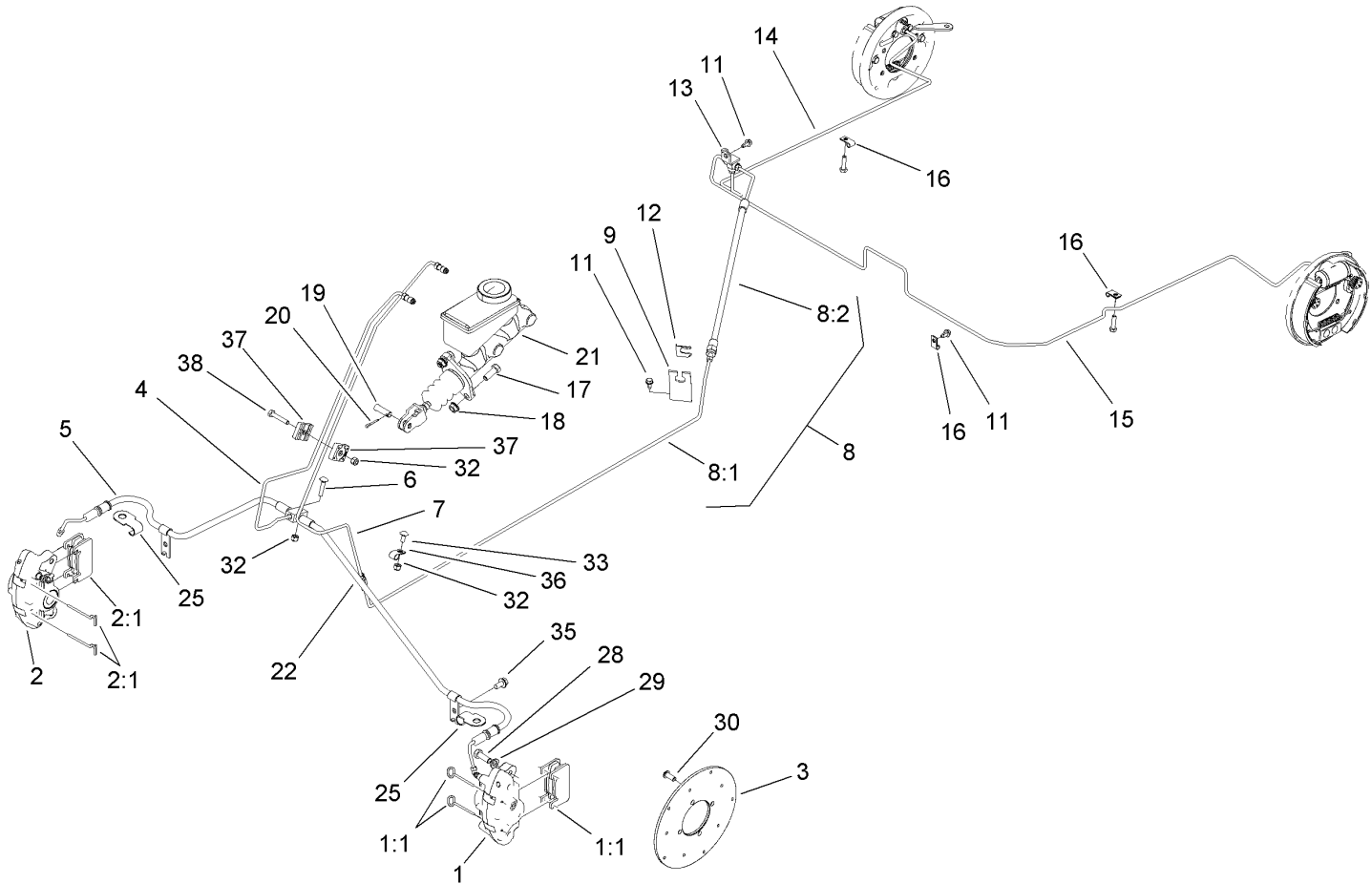
Ref	Part No.	Qty.	Description
24	104-6649	1	Engine-Briggs & Stratton, 303447-1319-E1
25	99-7083	1	Bracket-Intake
26	99-7202	4	Screw-HSH
27	2412-3	1	Clamp-Hose
28	104-6475	1	Muffler-Engine
29	104-6476	1	Manifold-Engine
30	104-6477	1	Coupler-Exhaust
31	104-6478	4	Spring-Coupler, Exhaust
32	3274-96	4	Screw-HSBH
34	99-7377	1	Conduit-Line, Fuel
35	99-7847	1	Ball-Stud
36	99-7426	1	Harness-Wire, Engine
37	28-3894	1	Positive Wire ASM
38	33024-00	2	Nut-Lock
39	104-8300	5	Nut-Flange, NI
40	3234-11	3	Screw-HHF
41	104-6408-03	1	Clutch Guard ASM
42	104-8301	3	Nut-Flange, NI
43	321-4	1	Screw-HH
44	3255-8	1	Washer-Lock
45	32128-32	1	Nut-HHF
46	3290-379	2	Tie-Cable
47	71-5470	1	Spring-Brake



Hood and Fender Assembly

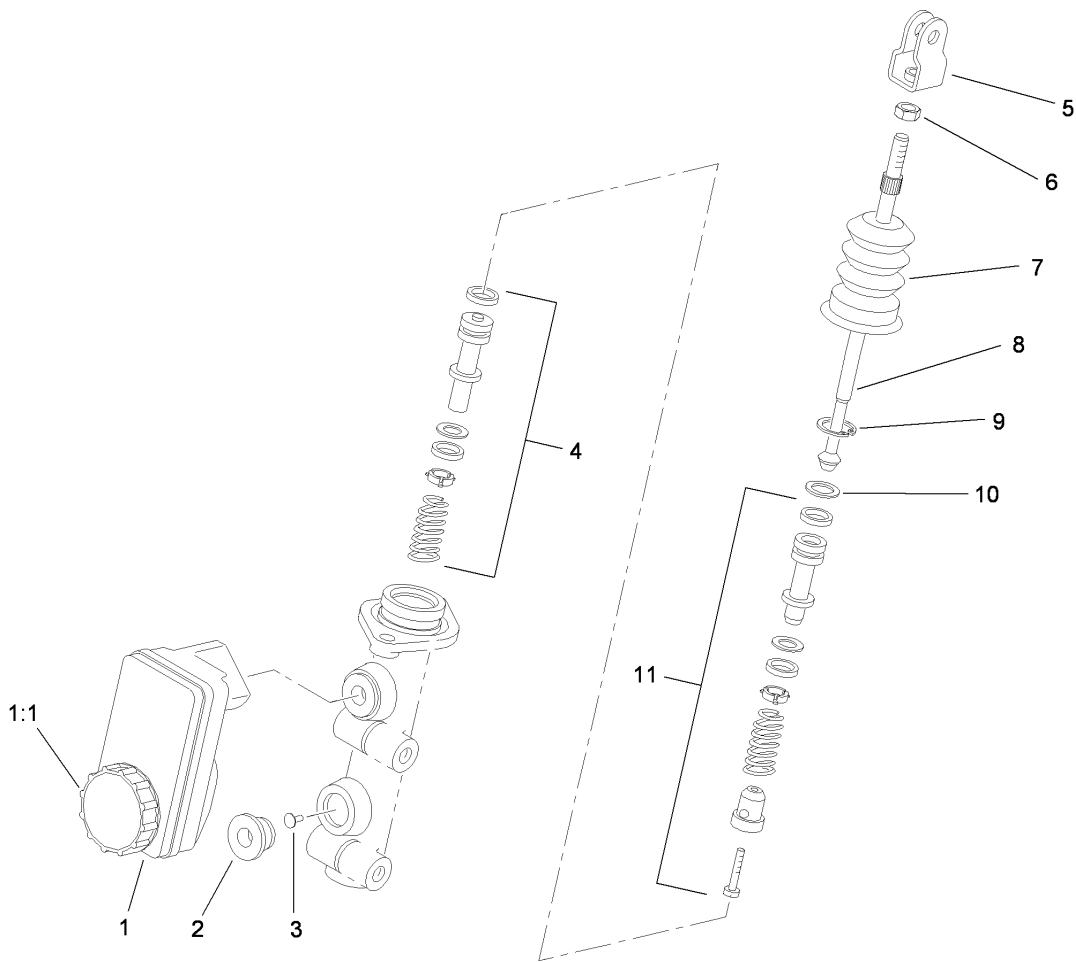
Ref	Part No.	Qty.	Description
1	3234-5	12	Screw-HHF
2	104-8300	14	Nut-Flange, NI
3	104-7078	1	LH Fender ASM
4	104-7079	1	RH Fender ASM
5	104-7206	4	Screw-HHF
6	87-2120	2	Headlight
6:1	95-0909	1	Lamp-12 Volt
6:2	87-6330	1	Lens-Headlight
7	62-5550	1	Decal
8	99-7379	1	Hood ASM
9	107-0705	1	Dash ASM
9:2	107-0704	1	Decal-Warning
9:3	104-6581	1	Decal-Danger
10	3256-3	10	Washer-Flat
11	18-2830	1	Button-Horn
12	104-8301	6	Nut-Flange, NI
14	32144-67	4	Screw
15	99-7840-03	1	Bumper-Tube
16	99-7947	4	Bracket-Headlight
17	99-7331	4	Screw-HWH
18	2410-42	2	Cap-End
19	3234-17	6	Screw-HHF
20	104-6930	1	Plug-Rubber
21	104-7075	1	Cover-Channel

Ref	Part No.	Qty.	Description
22	99-7411	1	Point-Power
23	99-7416	1	Cap
24	104-6929	1	Switch-Ignition
24:1	104-7042	1	Nut-Switch, Plastic
24:2	104-7019	2	Washer-Lock, Internal
24:3	104-7021	1	Spacer-Switch
25	99-7418	2	Key-Ignition
26	99-7420	1	Plug-Hole
27	99-7410	1	Indicator-Light, Low-Oil Pressure
28	95-8999	1	Switch
29	94-4208	1	Hourmeter
30	116749	1	Horn
31	322-11	1	Screw-HH
32	104-8300	1	Nut-Flange, NI



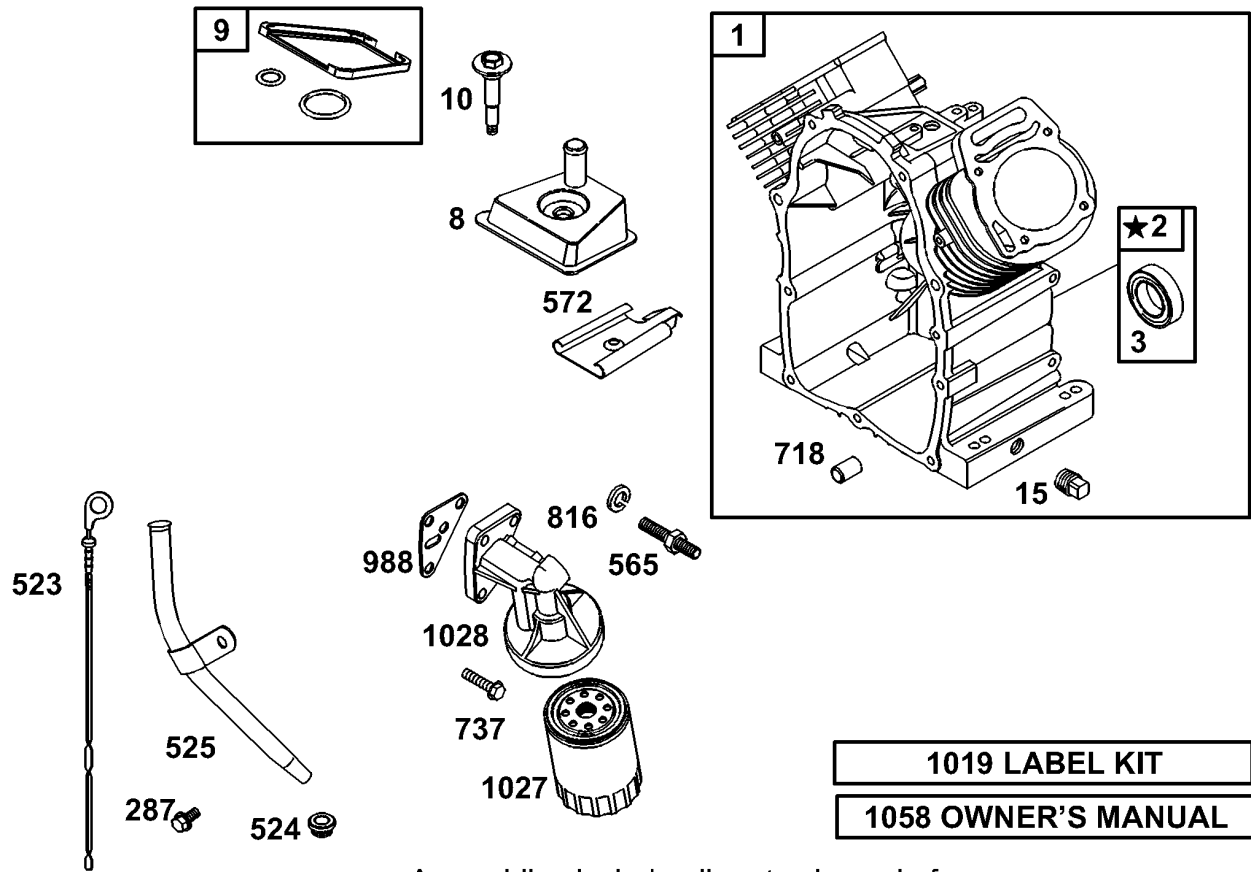
Hydraulic Brake Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	107-0361	1	Caliper-LH	22	87-3570	1	Union
1:1	107-0708	1	Friction Pad And Pin Kit	25	104-7073	2	Bracket-Hose
2	107-0362	1	Caliper-RH	28	323-6	4	Screw-HH
2:1	107-0708	1	Friction Pad And Pin Kit	29	3253-21	4	Washer-Lock
3	104-6891	2	Rotor	30	3274-55	8	Screw-HSBH
4	104-6798	1	Tube-Brake, Front	32	3296-42	3	Nut-Lock, NI
5	104-7256	1	Front Hose ASM	33	3229-11	1	Screw-CARR
6	3229-3	1	Screw-CARR	35	32144-14	2	Screw-HWHTF
7	104-6793	1	Tube-Brake, Rear	36	2412-89	1	Clamp
8		1	Rear Brake Hose ASM	37	87-7660	2	Clamp-Tube
8:1	104-6794	1	Tube-Brake, Rear	38	321-9	1	Screw-HH
8:2	104-6795	1	Hose-Brake, Rear				
9	104-6799	1	Bracket-Hose, Brake				
11	12-3270	3	Screw				
12	104-7092	1	Clip				
13	87-3560	1	Tee				
14	104-6796	1	Tube-Brake, Rear (RH)				
15	110-2604	1	Tube-Brake, Rear (LH)				
16	2412-72	3	Clip-Closed, Insulated				
17	323-6	2	Screw-HH				
18	3290-357	2	Nut-HHF, Whiz				
19	283-2	1	Pin-Clevis				
20	3272-10	1	Pin-Cotter				
21	104-6782	1	Cylinder-Master				



Master Cylinder Assembly No. 104-6782

Ref	Part No.	Qty.	Description				
1	104-6845	1	Reservoir ASM				
1:1	92-4112	1	Cap ASM				
2	93-8971	2	Seal-Port, Flange				
3	92-4103	1	Pin-Stop				
4	92-4102	1	Secondary Piston ASM				
5	92-4110	1	Clevis				
6	21-0360	1	Nut-Hex				
7	94-5209	1	Cover-Dust				
8	94-5210	1	Rod-Push				
9	92-4109	1	Ring-Snap				
10	92-4108	1	Retainer-Washer				
11	92-4101	1	Primary Piston ASM				

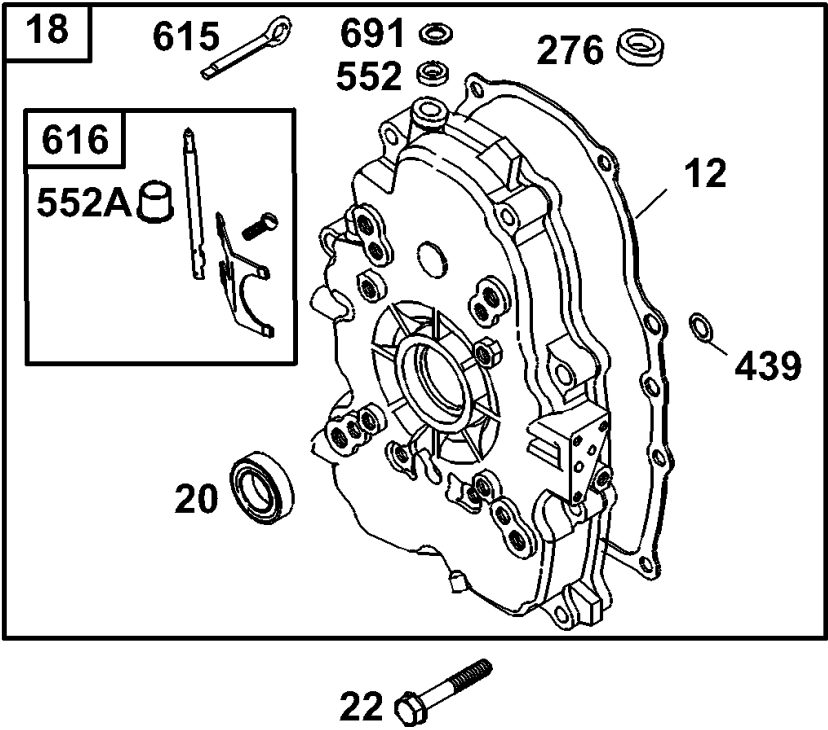


Assemblies include all parts shown in frames.

Cylinder, Oil Filter and Dipstick Assembly

Briggs and Stratton 303447-1319-E1

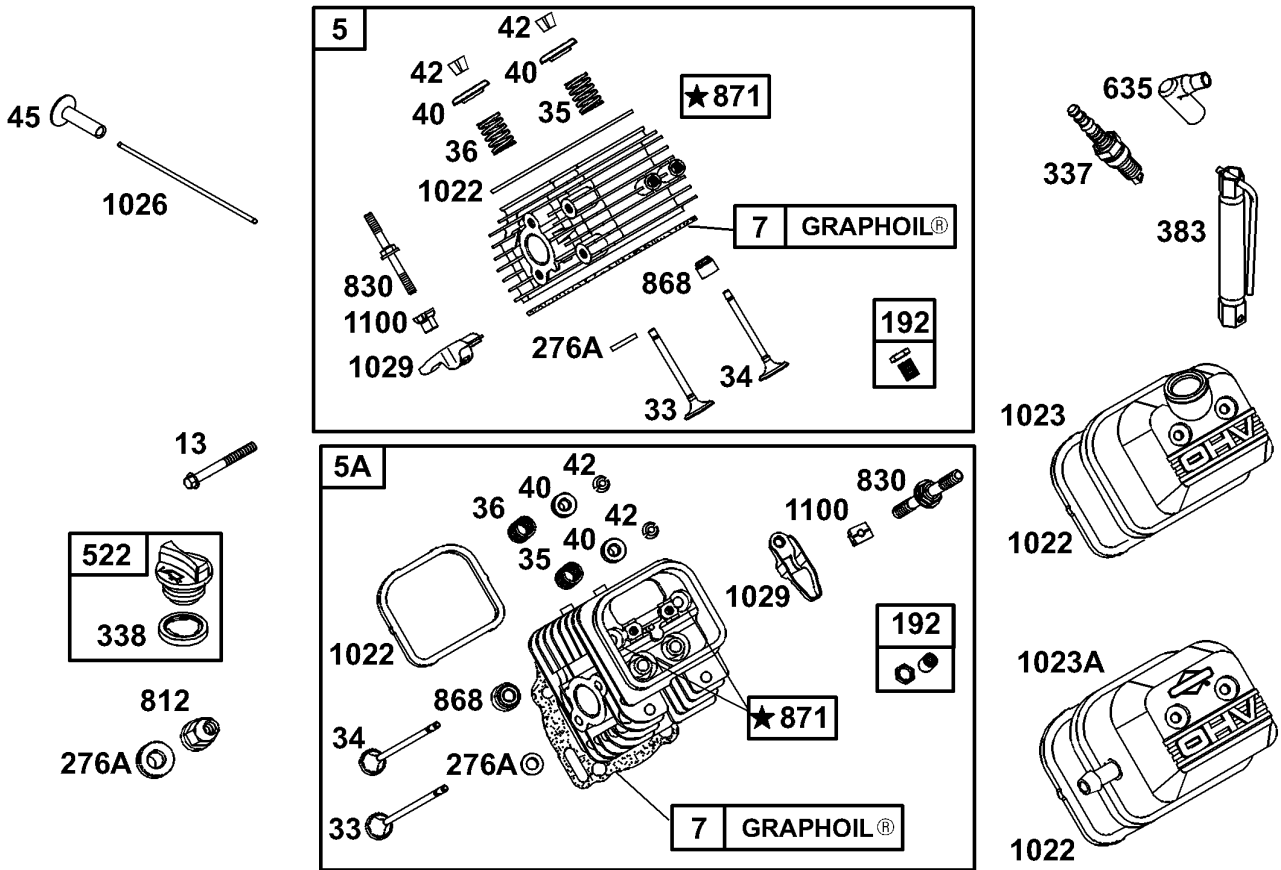
Ref	Part No.	Qty.	Description				
1	692178	1	Cylinder ASM				
2	808534	1	Bushing-Seal Kit				
3	805101	1	Seal-Oil				
8	808984	1	Breather ASM				
9	807893	1	Breather Gasket				
10	690751	1	Screw				
15	690946	1	Plug-Drain, Oil				
287	692062	1	Screw				
523	693175	1	Dipstick				
524	693172	1	Seal-Tube, Dipstick				
525	693173	1	Tube-Dipstick				
565	690682	1	Stud				
572	690686	1	Baffle-Breather				
718	690684	1	Pin-Locating				
737	690679	1	Screw				
816	690706	1	Washer				
988	692063	1	Gasket-Adapter, Oil Filter				
1019	808036	1	Label Kit				
1027	492932	1	Filter-Oil				
1028	808235	1	Adapter-Filter, Oil				
1058	274790	1	Owner-S Manual(Emission Engines)				



Assemblies include all parts shown in frames.

Crankcase Assembly
Briggs and Stratton 303447-1319-E1

Ref	Part No.	Qty.	Description				
2 5 12	691684	1	Gasket-Crankcase				
5 18	808847	1	Cover-Crankcase				
2 5 20	805049	1	Seal-Oil				
5 22	692540	1	Screw				
5 276	690704	1	Washer-Sealing				
2 5 439	692154	1	Seal-O Ring				
5 552	690701	1	Bushing-Crank, Governor				
5 552A	806686	1	Bushing-Crank, Governor				
5 615	691550	1	Retainer-Shaft, Governor				
5 616	806685	1	Crank-Governor				
2 5 691	690680	1	Seal-Shaft, Governor				

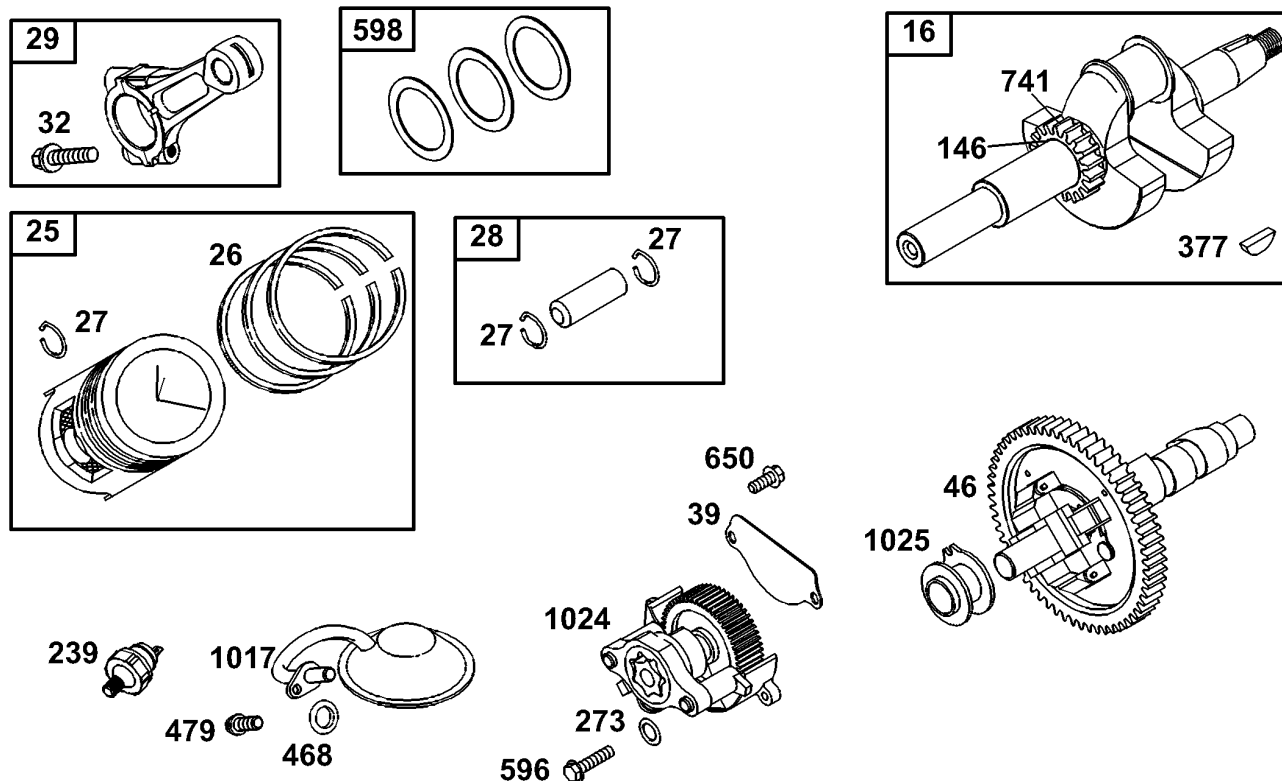


Assemblies include all parts shown in frames.

Cylinder Head and Cover Assembly

Briggs and Stratton 303447-1319-E1

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
5	808381	1	Head-Cylinder (Cylinder No. 1)	871	692057	1	Bushing-Guide, Valve
5A	808382	1	Head-Cylinder (Cylinder No. 2)	1022	806039	1	Gasket-Cover, Rocker
7	806085	1	Gasket-Head, Cylinder	1023	690758	1	Cover-Valve
13	692059	1	Screw	1023A	691558	1	Cover-Valve
33	807681	1	Valve-Exhaust	1026	691836	1	Rod-Push
34	807680	1	Valve-Intake	1029	691543	1	Arm-Rocker
35	692084	1	Spring-Valve	1100	690973	1	Pivot-Arm, Rocker
36	692084	1	Spring-Valve				
40	692058	1	Retainer-Valve				
42	807683	1	Keeper-Valve				
45	690977	1	Tappet-Valve				
192	807623	1	Adjuster-Arm, Rocker				
276A	691766	1	Washer-Sealing				
337	491055	1	Plug-Spark				
338	691312	1	Gasket-Dipstick				
383	19374	1	Wrench-Spark Plug				
522	491832	1	Plug-Fill, Dipstick				
635	692076	1	Boot-Spark Plug				
812	692055	1	Nut				
830	691544	1	Stud-Rocker Arm				
868	691963	1	Seal-Valve				

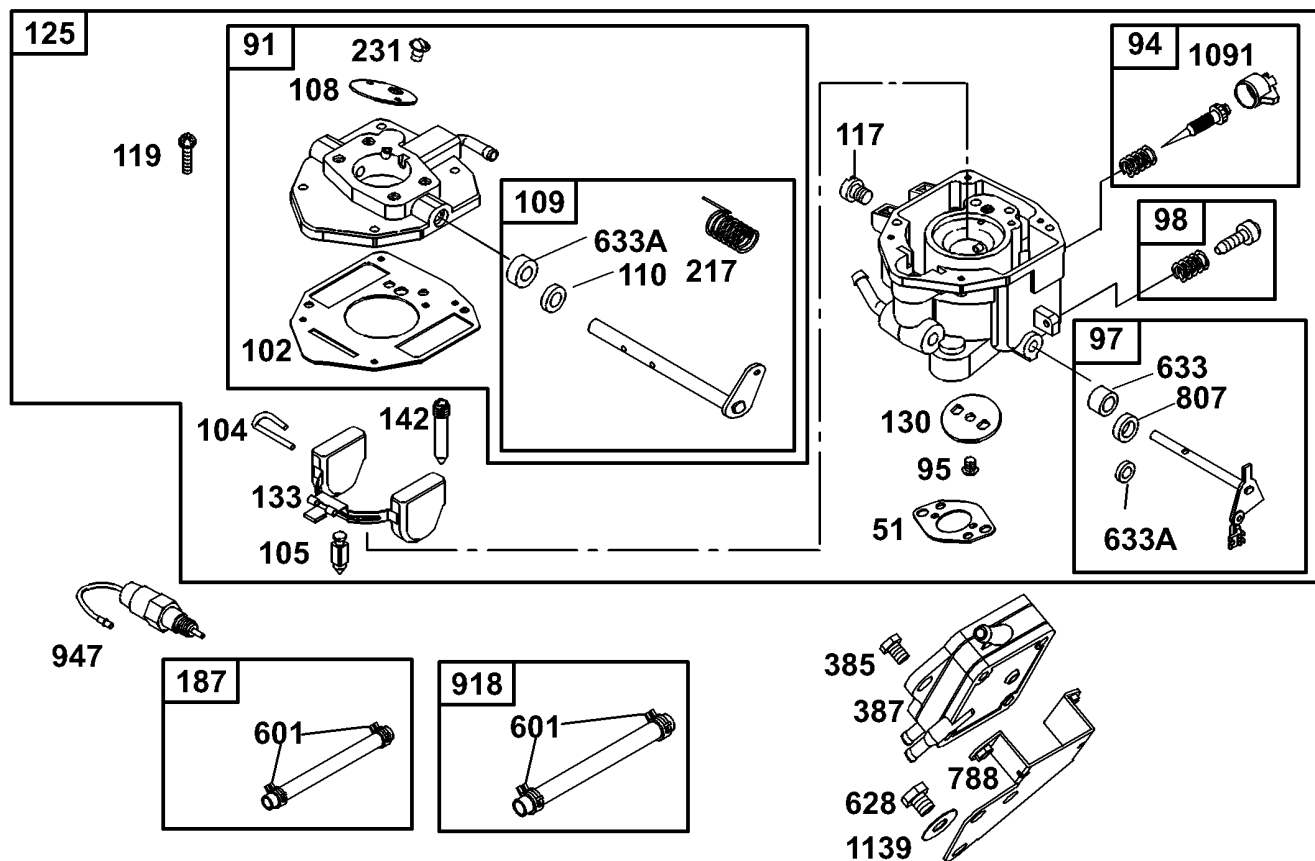


Assemblies include all parts shown in frames.

Crankshaft, Piston and Oil Pump Assembly Briggs and Stratton 303447-1319-E1

Ref	Part No.	Qty.	Description
16	692163	1	Crankshaft
25	807619	1	Piston ASM (Standard)
5	807807	1	Piston ASM (.010 Oversize)
5	807809	1	Piston ASM (.020 Oversize)
5	807811	1	Piston ASM (.030 Oversize)
26	807620	1	Ring Set (Standard)
5	807808	1	Ring Set (.010 Oversize)
5	807810	1	Ring Set (.020 Oversize)
5	807812	1	Ring Set (.030 Oversize)
27	690683	1	Lock-Pin, Piston
28	807621	1	Pin-Piston
29	807900	1	Rod-Connecting (Standard)
5	807809	1	Piston ASM (.020 Oversize)
32	690698	1	Screw
39	690745	1	Deflector-Oil
46	691557	1	Camshaft
146	691639	1	Key-Timing
239	690233	1	Switch-Pressure, Oil
273	690681	1	Seal-O Ring
377	808095	1	Key-Woodruff
468	690690	1	Seal-O Ring
479	692537	1	Screw
596	691492	1	Screw
598	807625	1	Shim-Play, End

Ref	Part No.	Qty.	Description
650	692539	1	Screw
741	691530	1	Gear-Timing
1017	690900	1	Screen-Pump, Oil
1024	693185	1	Pump-Oil
1025	690689	1	Spool-Governor

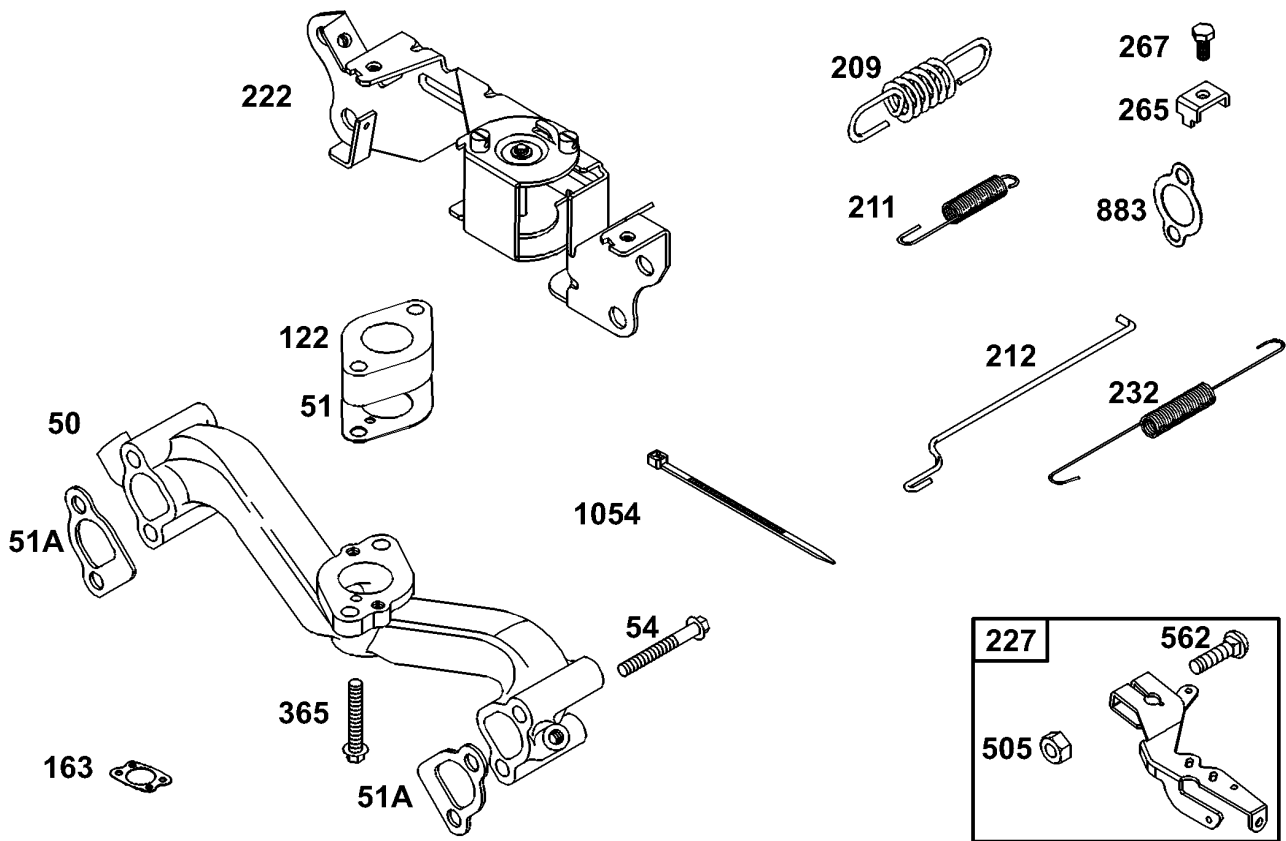


Assemblies include all parts shown in frames.

Carburetor and Fuel Pump Assembly Briggs and Stratton 303447-1319-E1

Ref	Part No.	Qty.	Description
2451	691694	1	Gasket-Intake
91	808964	1	Body-Carburetor, Upper
94	808257	1	Idle Mixture Kit
95	690718	1	Screw
97	809007	1	Shaft-Throttle
98	808177	1	Idle Speed Kit
102	692077	1	Gasket-Body, Carburetor
104	690723	1	Pin-Hinge, Float
105	692078	1	Valve-Needle, Float
108	690719	1	Valve-Choke
109	809062	1	Shaft-Choke
110	806861	1	Washer
117	806986	1	Jet-Main
119	690720	1	Screw
125	809092	1	Carburetor
130	690726	1	Valve-Throttle
133	806961	1	Float-Carburetor
142	806987	1	Nozzle-Carburetor
187	691050	1	Line-Fuel (Cut To Required Length)
217	806862	1	Spring-Return, Choke
231	690718	1	Screw
385	693169	1	Screw

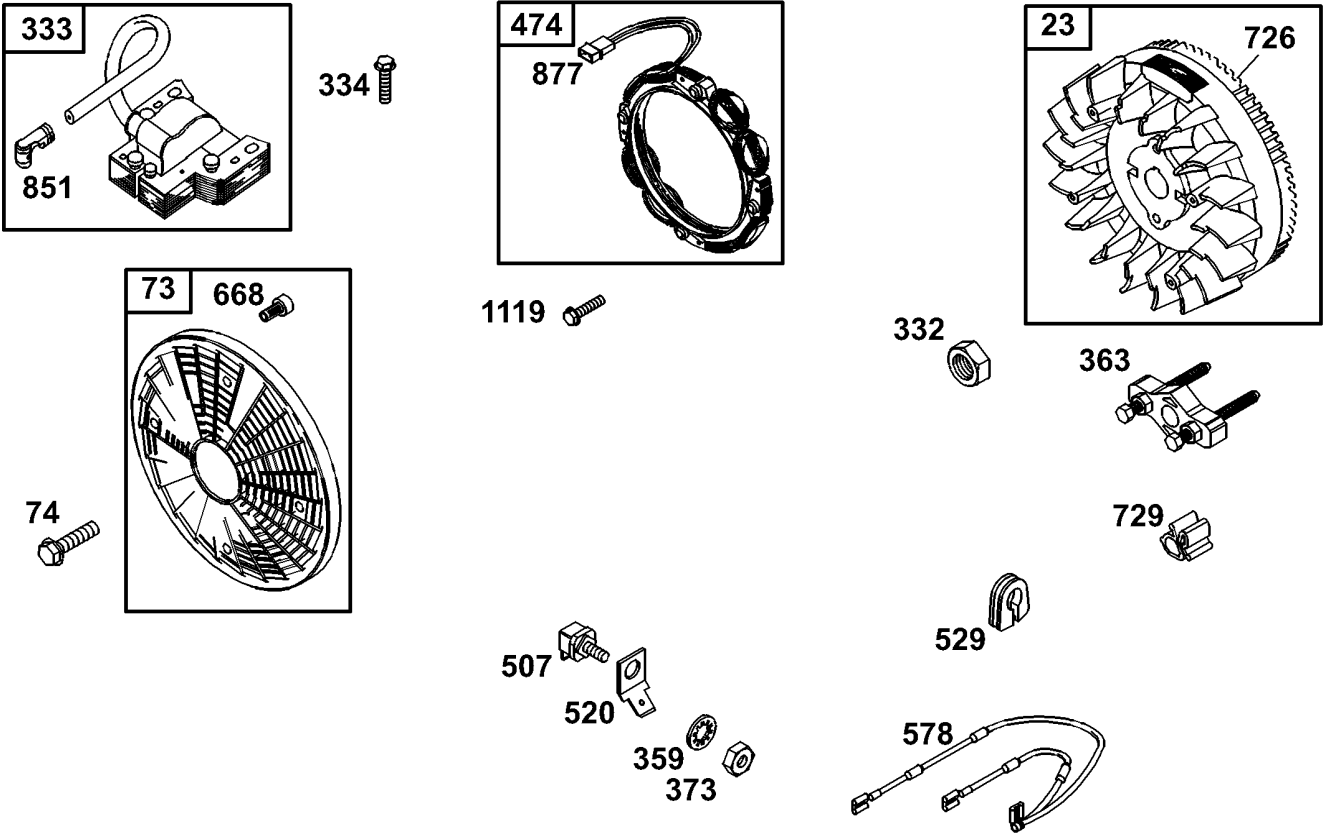
Ref	Part No.	Qty.	Description
387	808656	1	Pump-Fuel
601	691038	1	Clamp-Hose
628	806660	1	Screw
633	806131	1	Seal-Shaft, Choke Throttle
633A	690722	1	Seal-Shaft, Choke Throttle
788	691559	1	Bracket-Pump, Fuel
807	805557	1	Collar-Throttle
918	393815	1	Line-Vacuum
947	692094	1	Solenoid-Fuel
1091	691516	1	Cap-Limiter
1139	806497	1	Washer



Assemblies include all parts shown in frames.

Manifold Intake and Governor Control Assembly
Briggs and Stratton 303447-1319-E1

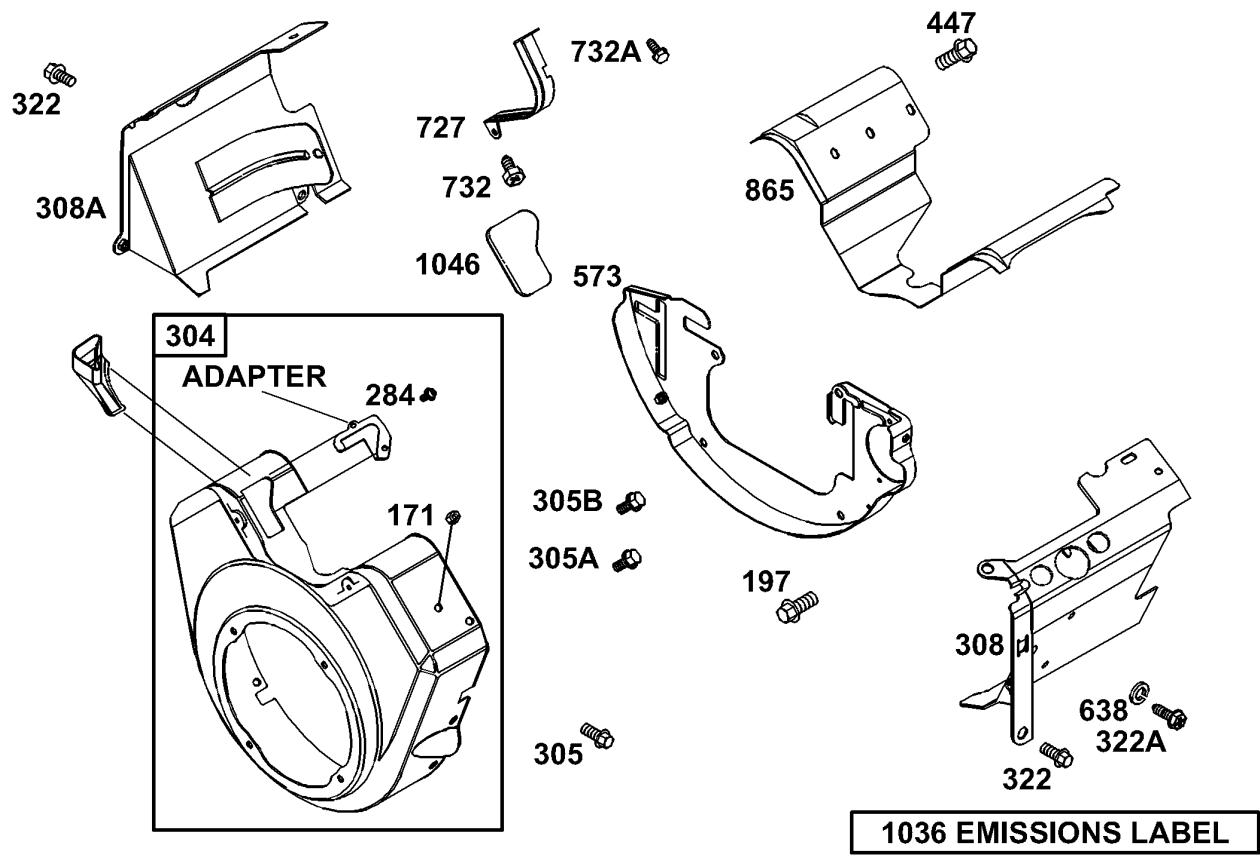
Ref	Part No.	Qty.	Description				
50	690754	1	Manifold-Intake				
2451	691694	1	Gasket-Intake				
5							
2551A	692035	1	Gasket-Intake				
5							
54	690676	1	Screw				
5122	690691	1	Spacer-Carburetor				
25163	692081	1	Gasket-Cleaner, Air				
5							
5209	691507	1	Spring-Governor				
5211	691553	1	Spring-Governed Idle				
5212	690712	1	Link-Throttle				
5222	691570	1	Bracket-Control				
5227	690236	1	Lever-Control, Governor				
5232	692073	1	Spring-Link, Governor				
5265	691024	1	Clamp-Casing				
5267	692083	1	Screw				
5505	690238	1	Nut				
5562	690239	1	Bolt				
25883	691613	1	Gasket-Exhaust				
5							
51054	280275	1	Tie-Cable				



Assemblies include all parts shown in frames.

Alternator Assembly
Briggs and Stratton 303447-1319-E1

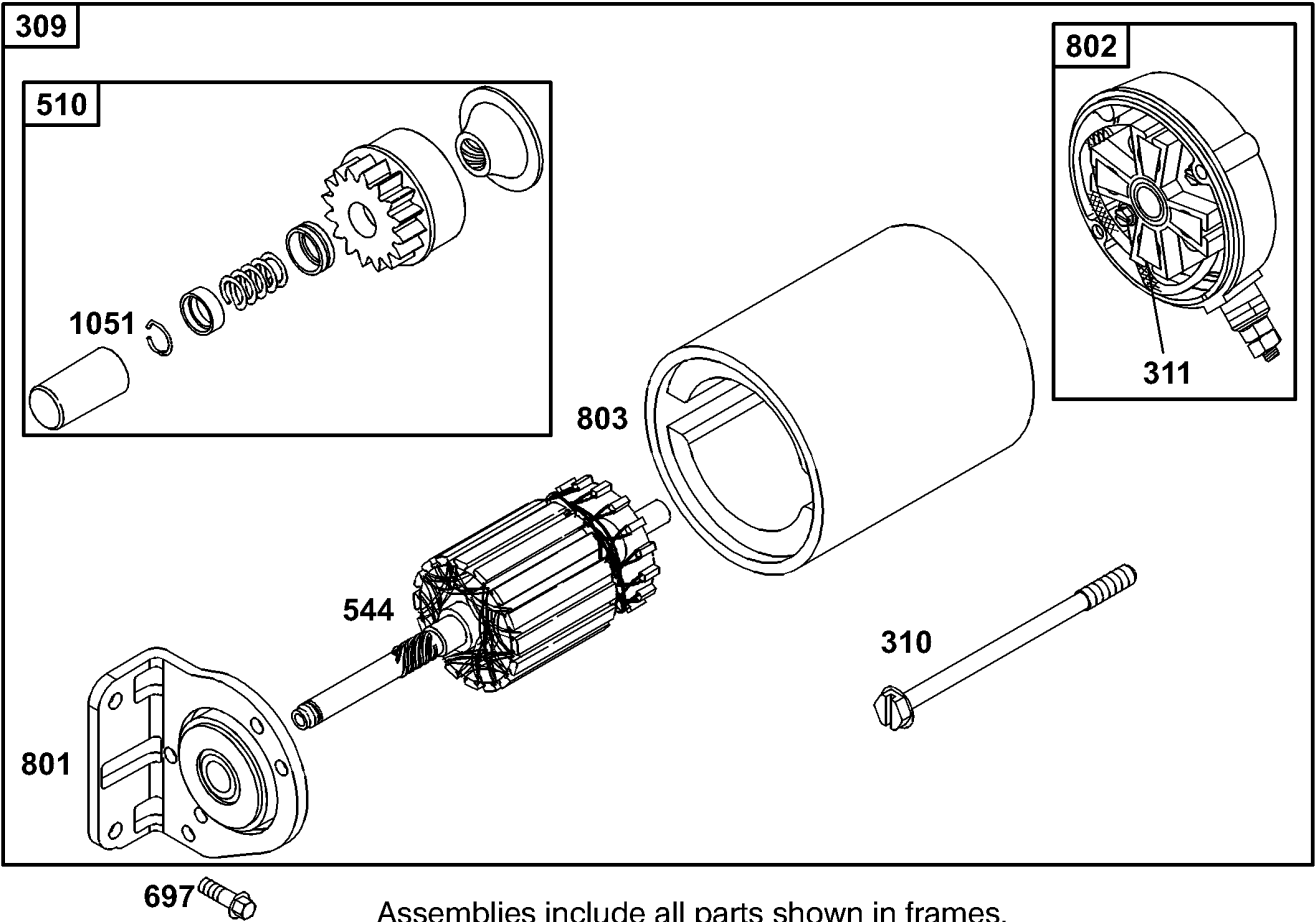
Ref	Part No.	Qty.	Description				
23	808766	1	Flywheel				
73	494439	1	Screen-Rotating				
74	691647	1	Screw				
171	810056	1	Nut				
284	93410	1	Screw				
332	690887	1	Nut				
333	492341	1	Armature-Magneto				
334	692066	1	Screw				
359	691077	1	Washer				
363	19203	1	Puller-Flywheel				
373	691612	1	Nut				
474	691064	1	Alternator				
507	691972	1	Insulator				
520	691084	1	Terminal-Ground				
529	690744	1	Grommet				
578	692319	1	Wire ASM				
668	691500	1	Spacer				
726		1	Gear-Ring				
729	690586	1	Clip-Wire				
851	493880	1	Terminal-Spark Plug				
877	399916	1	Connector-Wire, Alternator				
1119	691552	1	Screw				



Assemblies include all parts shown in frames.

Blower Housing and Cover Assembly
Briggs and Stratton 303447-1319-E1

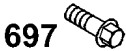
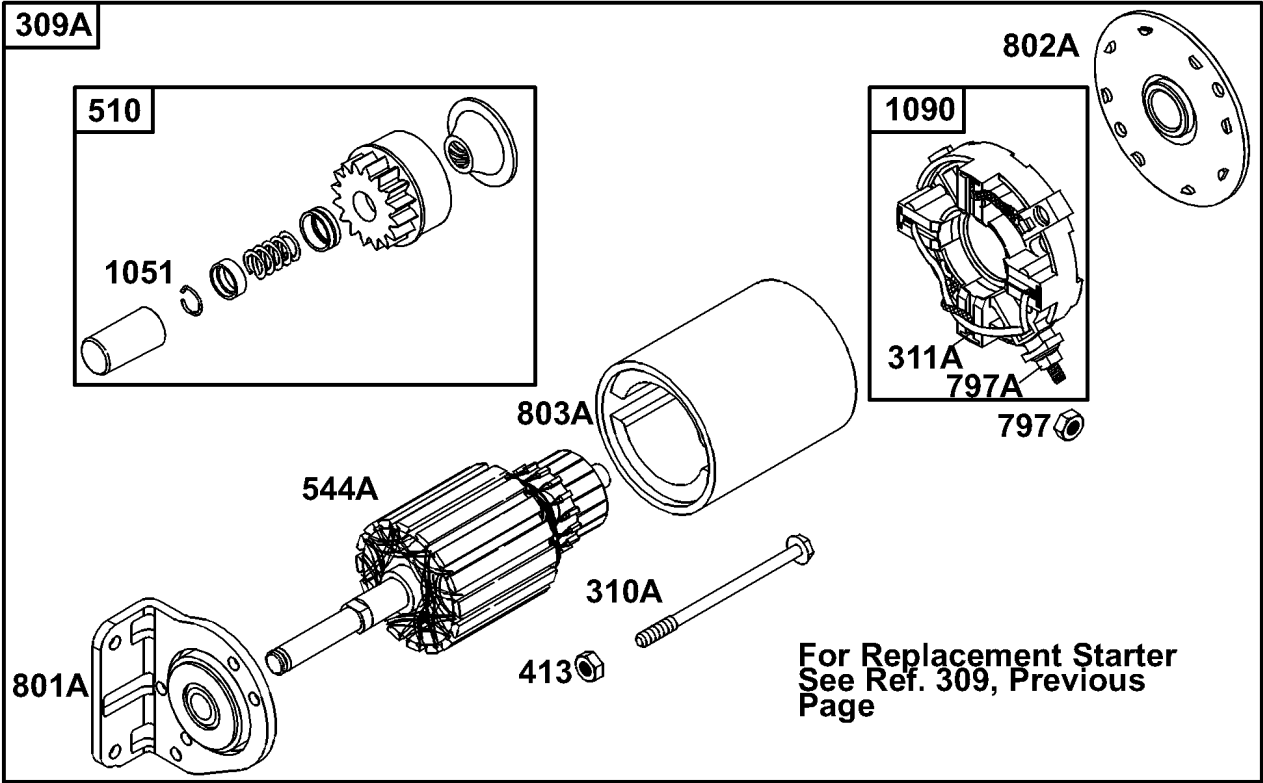
Ref	Part No.	Qty.	Description				
197	692539	1	Screw				
304	808408	1	Housing-Blower				
305	692539	1	Screw				
305A	692056	1	Screw				
305B	692062	1	Screw				
308	806547	1	Cover-Head, Cylinder (Cyl. #1)				
308A	806546	1	Cover-Head, Cylinder (Cyl. #2)				
322	692539	1	Screw				
322A	692067	1	Screw				
447	692539	1	Screw				
573	690902	1	Plate-Back				
638	691551	1	Washer				
727	690714	1	Shield-Starter				
732	690688	1	Screw				
732A	692539	1	Screw				
865	690750	1	Cover-Guide, Air				
1036	806881	1	Decal-Emission				
1046	692082	1	Plug-Housing, Blower				



Starter Motor Assembly

Briggs and Stratton 303447-1319-E1

Ref	Part No.	Qty.	Description				
309	691564	1	Motor-Starter				
310	496880	1	Bolt-Thru				
311	496887	1	Brush Set				
510	496881	1	Drive-Starter				
544	690855	1	Armature-Starter				
697	692062	1	Screw				
801	808777	1	Cap-Drive				
802	496813	1	Cap-End				
803	690854	1	Housing-Starter				
1051	691124	1	Ring-Lock				

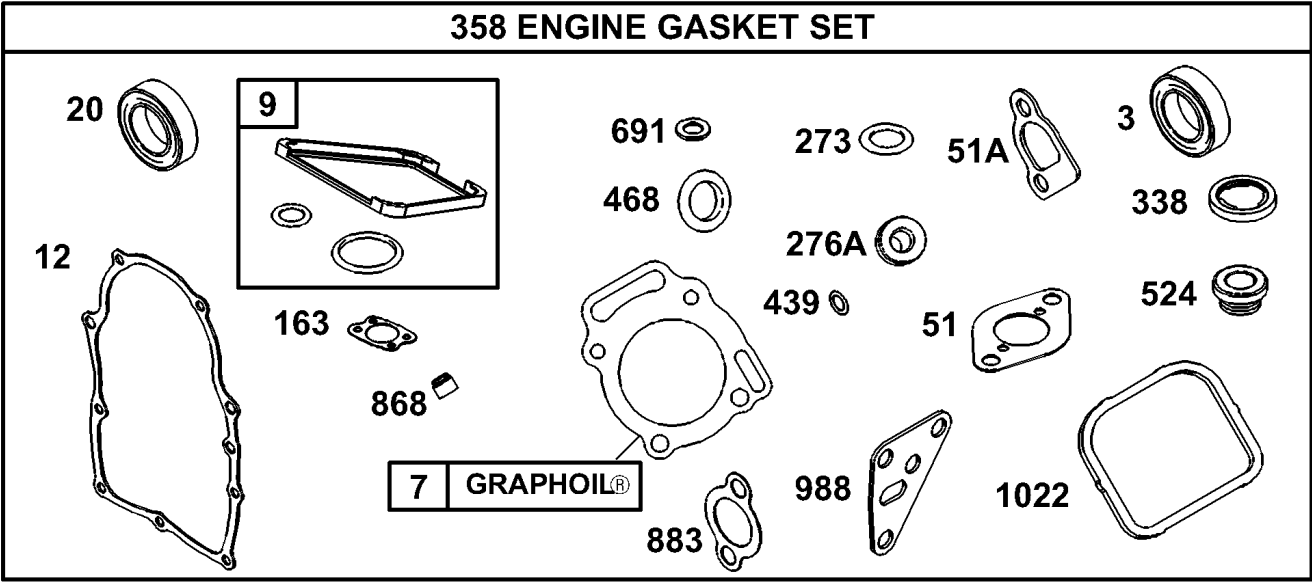


Assemblies include all parts shown in frames.

Replacement Starter Motor Assembly

Briggs and Stratton 303447-1319-E1

Ref	Part No.	Qty.	Description				
309A		1	Motor-Starter (For Replacement Starter, See Ref. 309, Previous Page)				
310A	690323	1	Bolt				
311A	497608	1	Brush Set				
413	693587	1	Nut				
510	496881	1	Drive-Starter				
544A	693548	1	Armature-Starter				
697	692062	1	Screw				
797	691029	1	Nut				
797A	693167	1	Nut				
801A	808778	1	Cap-Drive				
802A	691286	1	Cap-End				
803A	693547	1	Housing-Starter				
1051	691124	1	Ring-Lock				
1090	691293	1	Retainer-Brush				

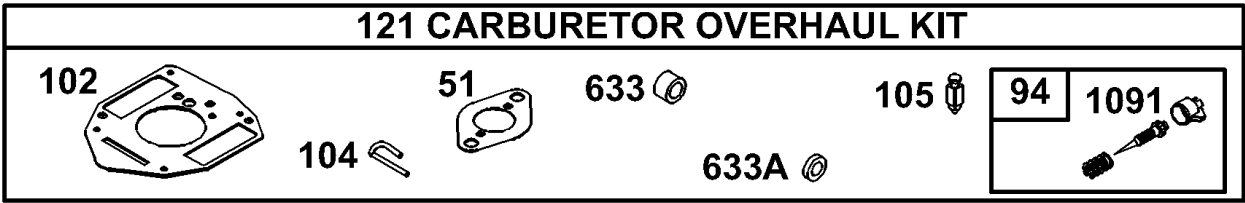
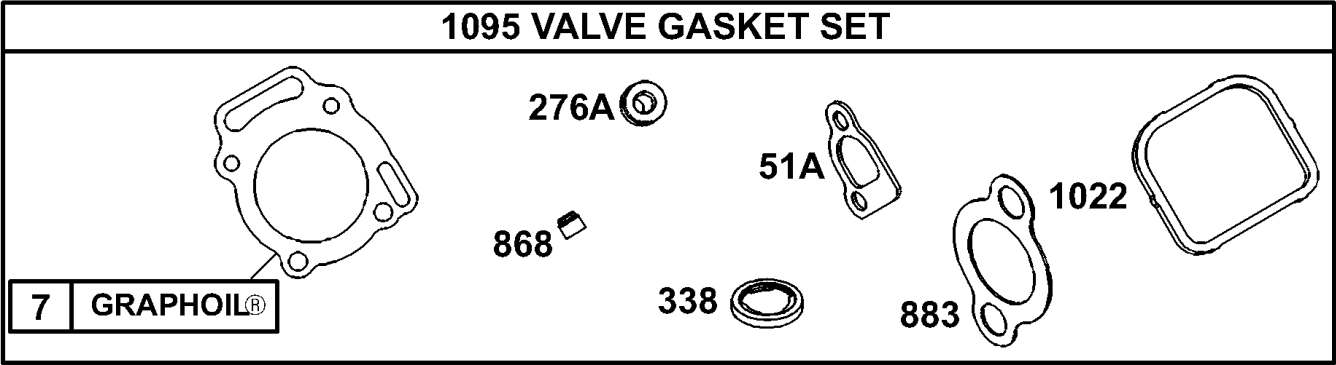


Assemblies include all parts shown in frames.

Engine Gasket Set
Briggs and Stratton 303447-1319-E1

Ref	Part No.	Qty.	Description
253	805101	1	Seal-Oil
257	806085	1	Gasket-Head, Cylinder
5			
259	807893	1	Breather Gasket
2512	691684	1	Gasket-Crankcase
2520	805049	1	Seal-Oil
2451	691694	1	Gasket-Intake
5			
2551A	692035	1	Gasket-Intake
5			
25163	692081	1	Gasket-Cleaner, Air
25273	690681	1	Seal-O Ring
25276A	691766	1	Washer-Sealing
5			
25338	691312	1	Gasket-Dipstick
5			
5358	808390	1	Engine Gasket Set
5439	692154	1	Seal-O Ring
25468	690690	1	Seal-O Ring
25524	693172	1	Seal-Tube, Dipstick
25691	690680	1	Seal-Shaft, Governor
25868	691963	1	Seal-Valve
5			
25883	691613	1	Gasket-Exhaust
5			
25988	692063	1	Gasket-Adapter, Oil Filter

Ref	Part No.	Qty.	Description
251022	806039	1	Gasket-Cover, Rocker
5			



Assemblies include all parts shown in frames.

Valve Gasket Set and Carburetor Overhaul Kit

Briggs and Stratton 303447-1319-E1

Ref	Part No.	Qty.	Description				
247	806085	1	Gasket-Head, Cylinder				
5							
2451	691694	1	Gasket-Intake				
5							
2551A	692035	1	Gasket-Intake				
5							
4594	808257	1	Idle Mixture Kit				
45102	692077	1	Gasket-Body, Carburetor				
45104	690723	1	Pin-Hinge, Float				
45105	692078	1	Valve-Needle, Float				
5121	809023	1	Carburetor Overhaul Kit				
25276A	691766	1	Washer-Sealing				
5							
25338	691312	1	Gasket-Dipstick				
5							
45633	806131	1	Seal-Shaft, Choke Throttle				
45633A	690722	1	Seal-Shaft, Choke Throttle				
25868	691963	1	Seal-Valve				
5							
25883	691613	1	Gasket-Exhaust				
5							
251022	806039	1	Gasket-Cover, Rocker				
5							
451091	691516	1	Cap-Limiter				
51095	808392	1	Valve Gasket Set				

Attachments and Accessories

For 12004TC - Twister 1600 Utility Vehicle

Product Name	Model/Part
Electric Bed Lift Kit	07262
Roll-Over Protection System	07276
Receiver Hitch Kit	07278
Stake Side Kit	07290
Snow Plow-Mid Duty	07292
Folding Windshield Kit	07293
Windshield Kit	07294
Canopy Kit	07297
Portable Refreshment Center	07298
Horn Kit	104-6663
Brake and Taillights (Rear lights, side reflectors)	104-6697
Signal Lights (Front marker lights / turn signal control)	104-6953
Heavy Duty Front Bumper	19050
Operator Shield (for front of bed)	19052
Front Brush Guard / Bumper	19062
Electric Harness Kit	99-7924

NOTES

