Form Number 3359-529 Rev A

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.

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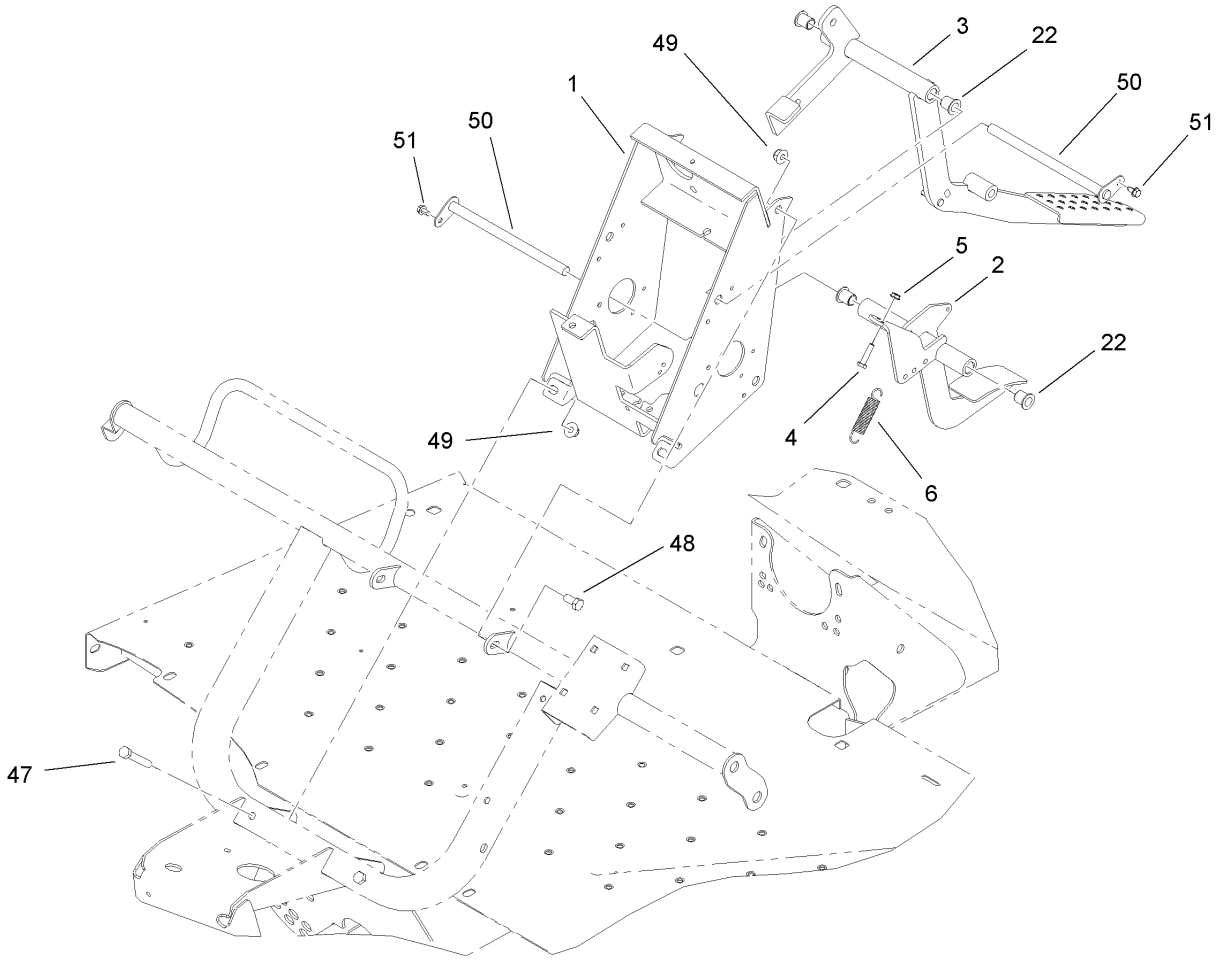
Part Description Abbreviations

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
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

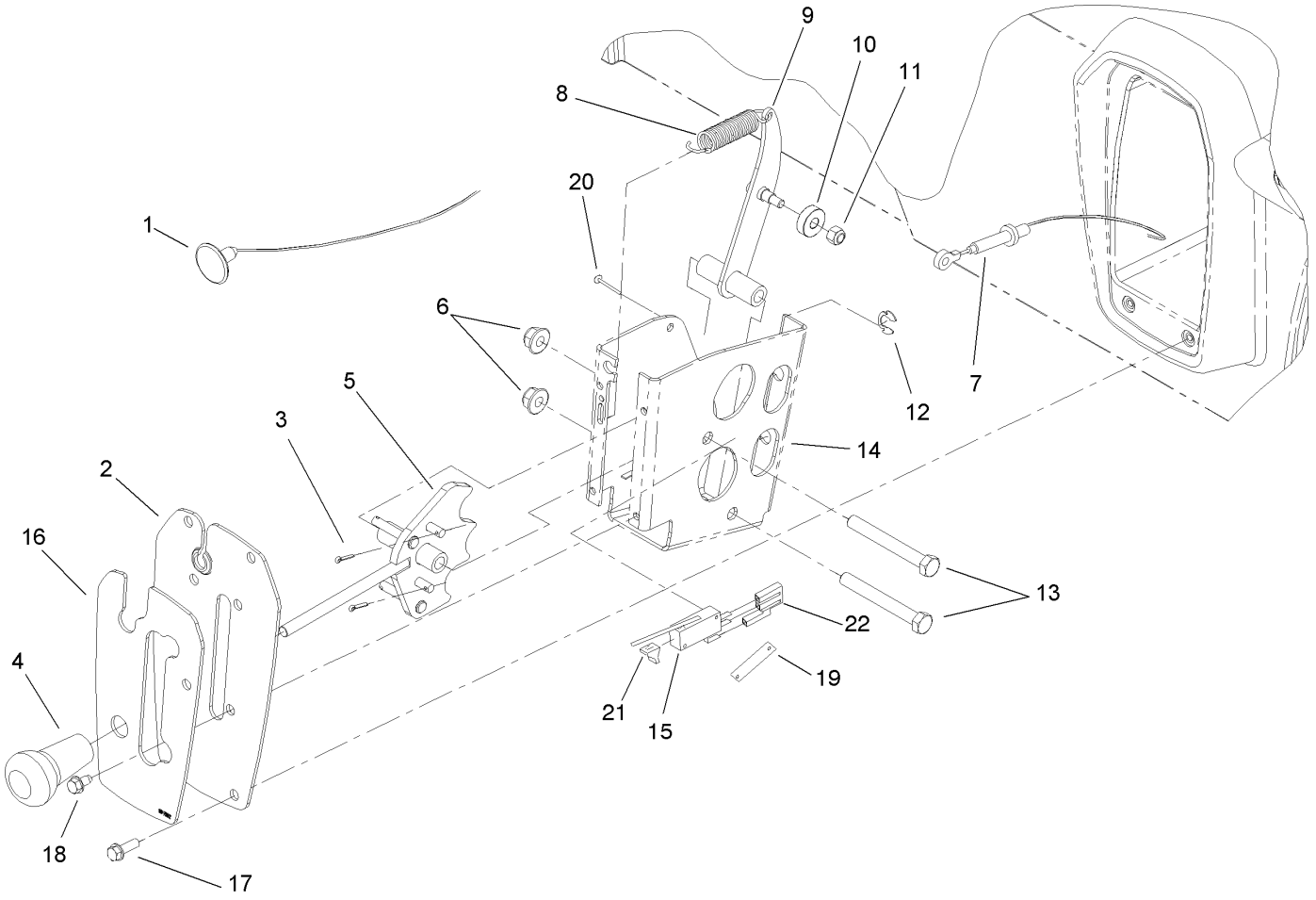
Footnotes

❶ Not 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



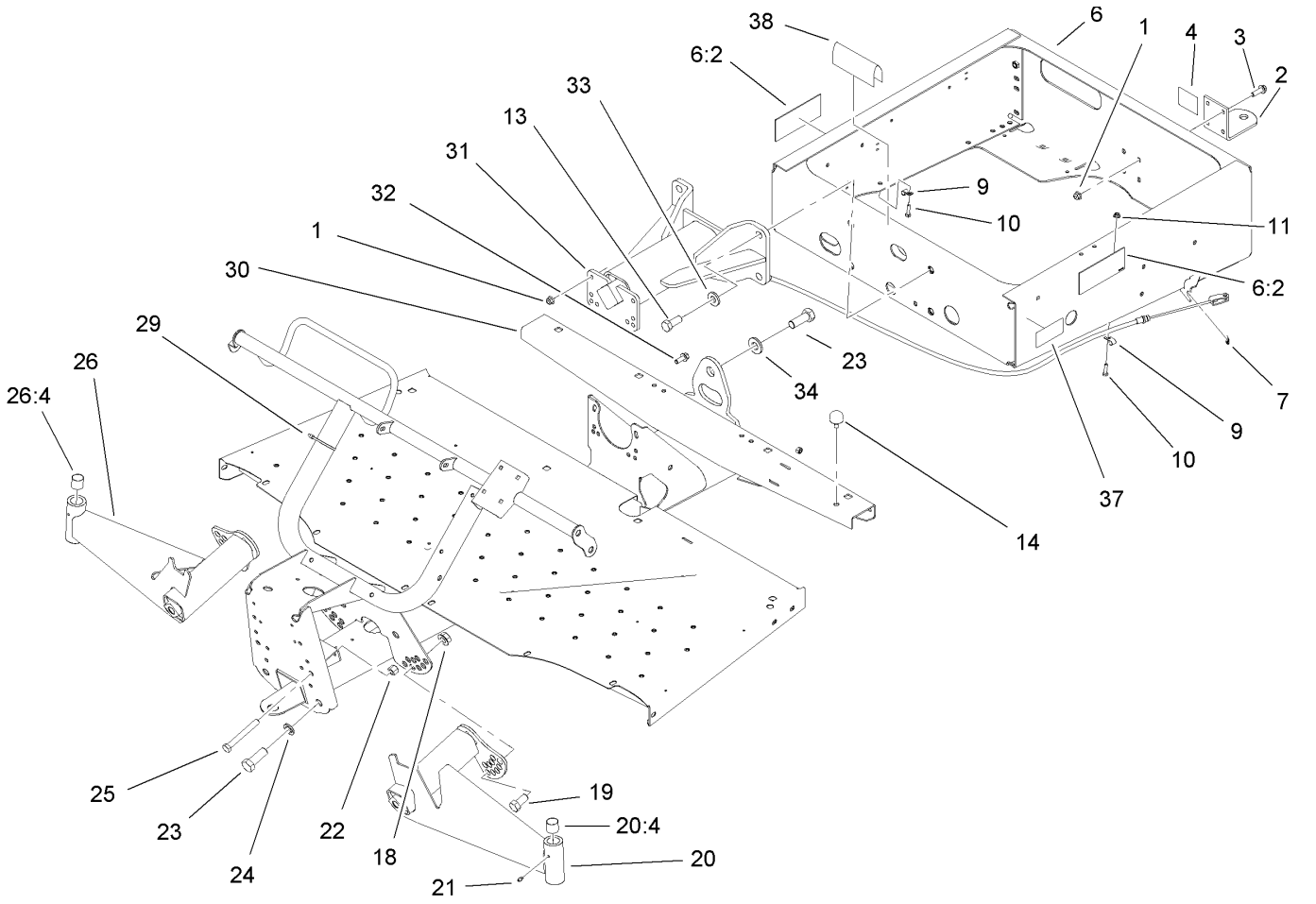
Pedal Assembly

Ref	Part No.	Qty.	Description
1	112-3048-03	1	Pedal Support Frame ASM
2	110-2607-03	1	Pedal-Throttle
3	104-7170-03	1	Pedal-Brake
4	321-7	1	Screw-HH
5	32149-2	1	Nut-Keps
6	104-6415	1	Spring-Return, Pedal
22	256-155	4	Bushing-Flange
47	323-11	2	Screw-HH
48	323-4	2	Screw-HH
49	104-8301	4	Nut-Flange, NI
50	104-7164	2	Pivot-Pedal
51	12-3270	2	Screw



Shifter Assembly

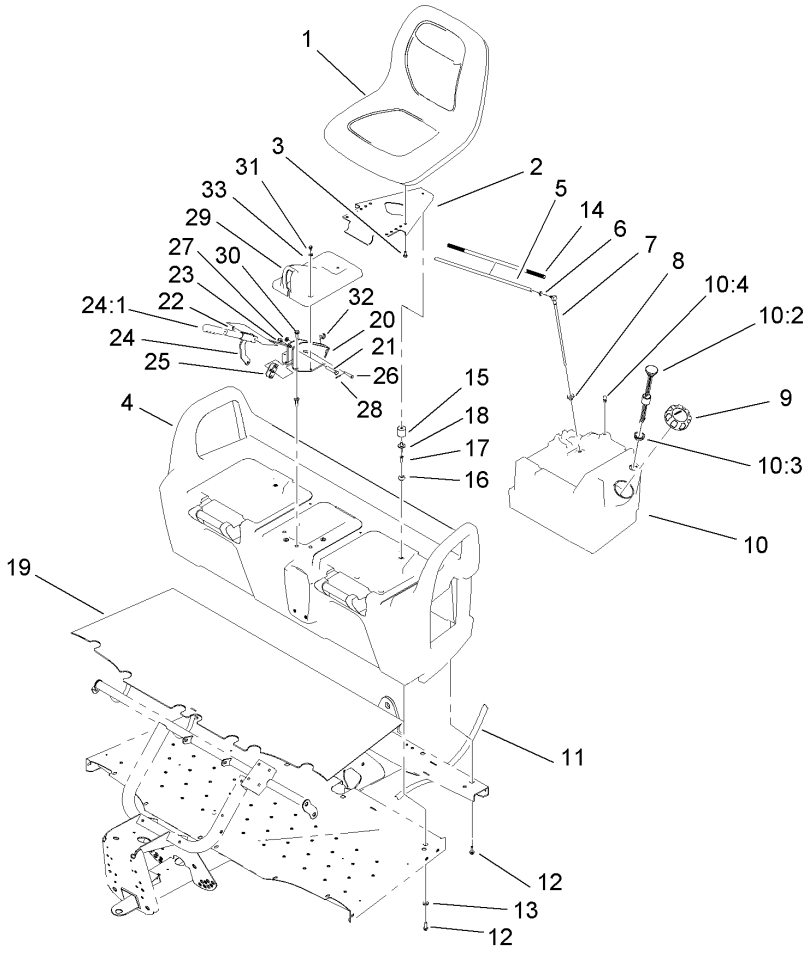
Ref	Part No.	Qty.	Description
1	99-7111	1	Cable-Choke
2	99-7887-03	1	Plate-Shifter
3	3272-5	2	Pin-Cotter
4	99-7981	1	Knob-Grip, Soft
5	108-3139	1	Lever-Shift
6	104-8301	2	Nut-Flange, NI
7	104-6896	2	Cable-Shift
8	104-6415	1	Spring-Return, Pedal
9	108-3138	1	Arm-Detent
10	251-307	1	Bearing-Ball
11	3296-42	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

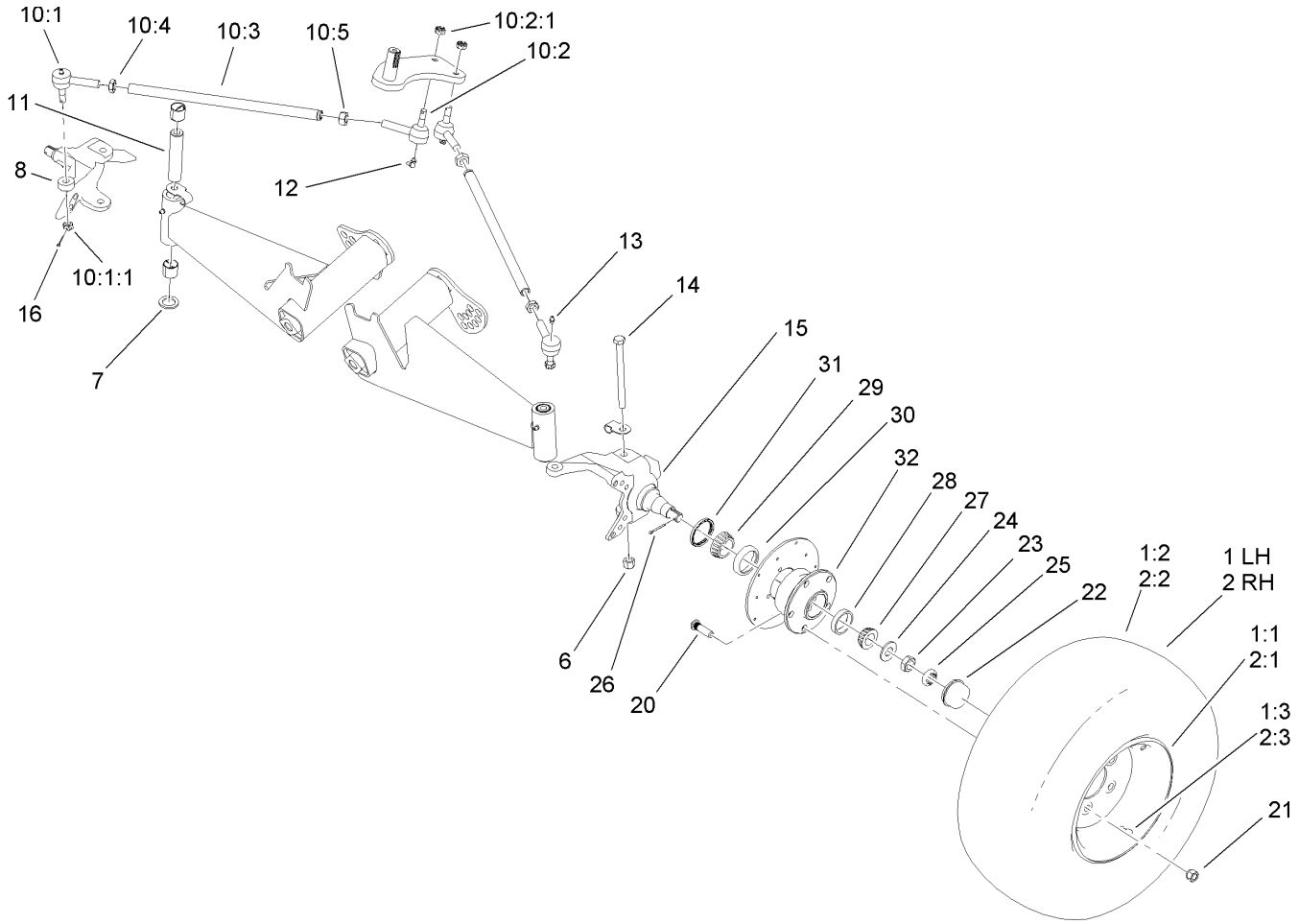
Ref	Part No.	Qty.	Description
30	104-7197-03	1	Front Frame ASM
31	99-7700	1	Pivot Yoke ASM
32	3234-11	4	Screw-HHF
33	99-7667	4	Washer-Flat
34	87-3060	1	Washer-Hardened
37	104-6592	1	Decal-Capacity (Ce)
38	95-5686	1	Trim



Seat Base Assembly

Ref	Part No.	Qty.	Description
1	112-2923	2	Seat ASM
2	99-7829	2	Bracket-Seat
3	33114-016	8	Screw-HH
4	104-6847	1	Seat Base ASM
5	108-4582	1	Hose-Fuel
6	2412-98	1	Clamp
7	99-7264	1	Pipe-Stand
8	46-6560	1	Bushing
9	95-4192	1	Unleaded Gas Cap ASM
10	99-7323	1	Fuel Tank ASM
10:2	99-7262	1	Gauge-Fuel
10:3	95-8972	1	Grommet
10:4	99-7267	1	Vent-Air
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

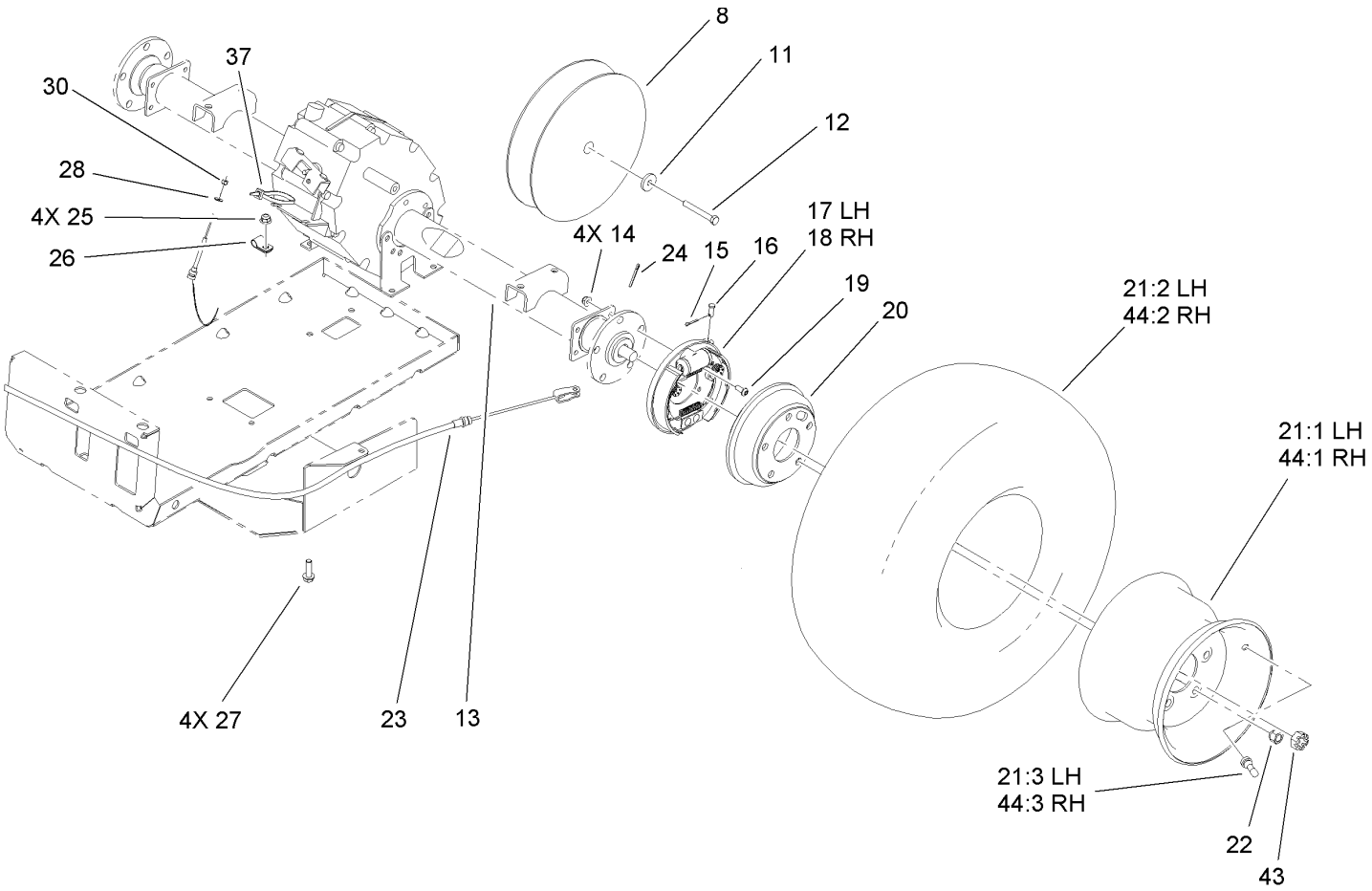
Ref	Part No.	Qty.	Description
22	3290-477	1	Washer-Curved
23	3296-39	1	Nut-Lock, NI
24	104-6842	1	Lever-Brake, Park
24:1	106-7972	1	Grip-Handle
25	87-3480	1	Bracket-Equalizer, Cable
26	94-3829	1	Pin-Clevis
27	3256-23	1	Washer-Flat
28	3272-6	1	Pin-Cotter
29	104-7014	1	Cover-Brake, Parking
30	3234-17	4	Screw-HHF
31	12-3270	2	Screw
32	32120-47	2	Ring-Retaining, External
33	3256-1	2	Washer-Flat



Front Tire and Steering Assembly

Ref	Part No.	Qty.	Description
❶1		1	Tire And Wheel ASM
1:1	104-6889	1	Wheel-5 Bolt
1:2	104-7062	1	Tire
1:3	232-27	1	Stem-Valve
❶2		1	Tire And Wheel ASM
2:1	104-6889	1	Wheel-5 Bolt
2:2	104-7062	1	Tire
2:3	232-27	1	Stem-Valve
6	3296-23	2	Nut-Lock, NI
7	256-115	2	Washer-Thrust
8	104-6877	1	Spindle-Disc, RH
❶10		2	Tie Rod ASM
10:1	112772-03	1	RH Ball Joint ASM
10:1:1	915031	1	Nut
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

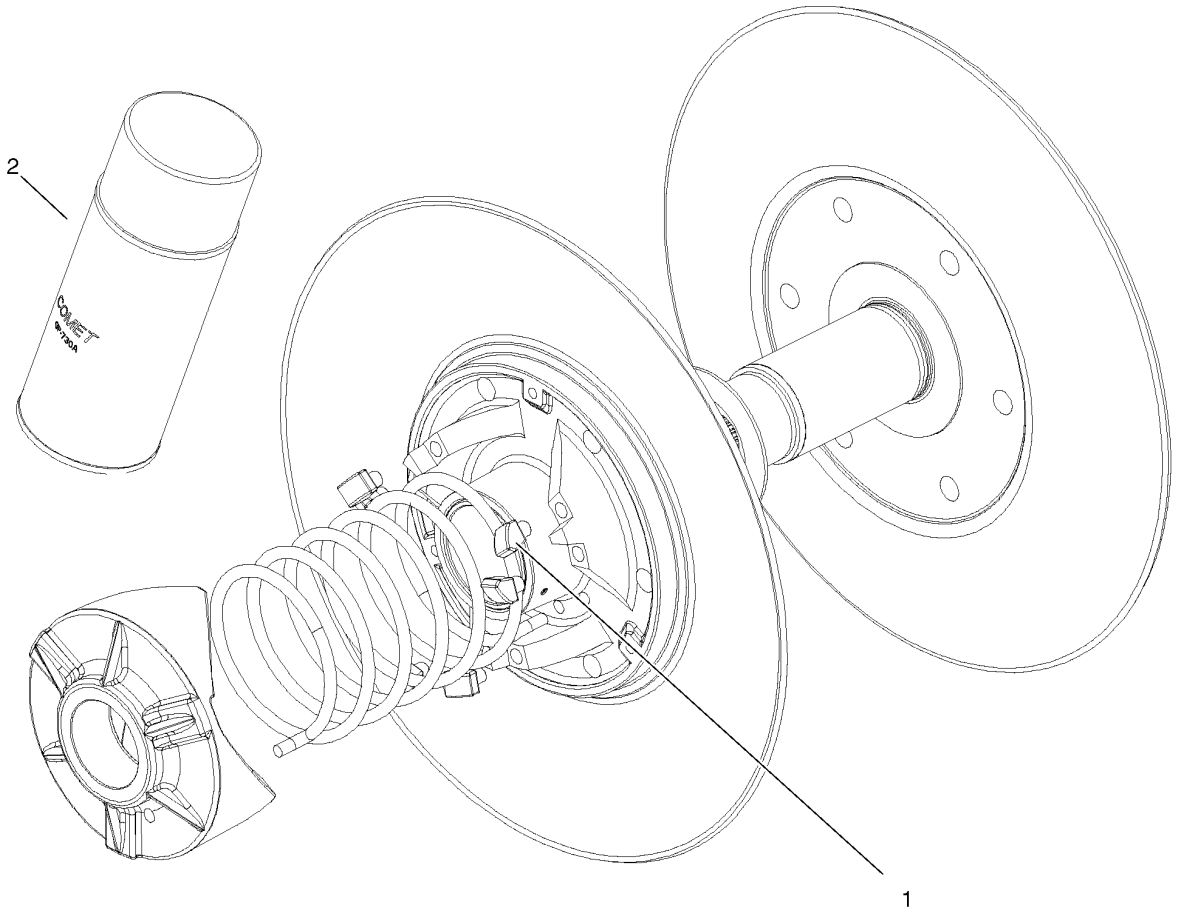
Ref	Part No.	Qty.	Description
16	3272-7	4	Pin-Cotter
20	10-6830	10	Stud-Type, Drive
21	242-50	10	Nut-Lug
22	241-119	2	Cap-Dust
23	3220-7	2	Nut-Jam
24	93-0309	2	Washer-Tab
25	93-0307	2	Nut-Lock, Retainer
26	3272-12	2	Pin-Cotter
27	254-94	2	Bearing-Cone, Tapered
28	254-72	2	Bearing-Cup, Tapered
29	254-106	2	Cone-Bearing, Tapered
30	254-107	2	Cup-Bearing, Tapered
31	108-7019	2	Seal-Shaft
32	104-6809	2	Hub



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
❶21		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

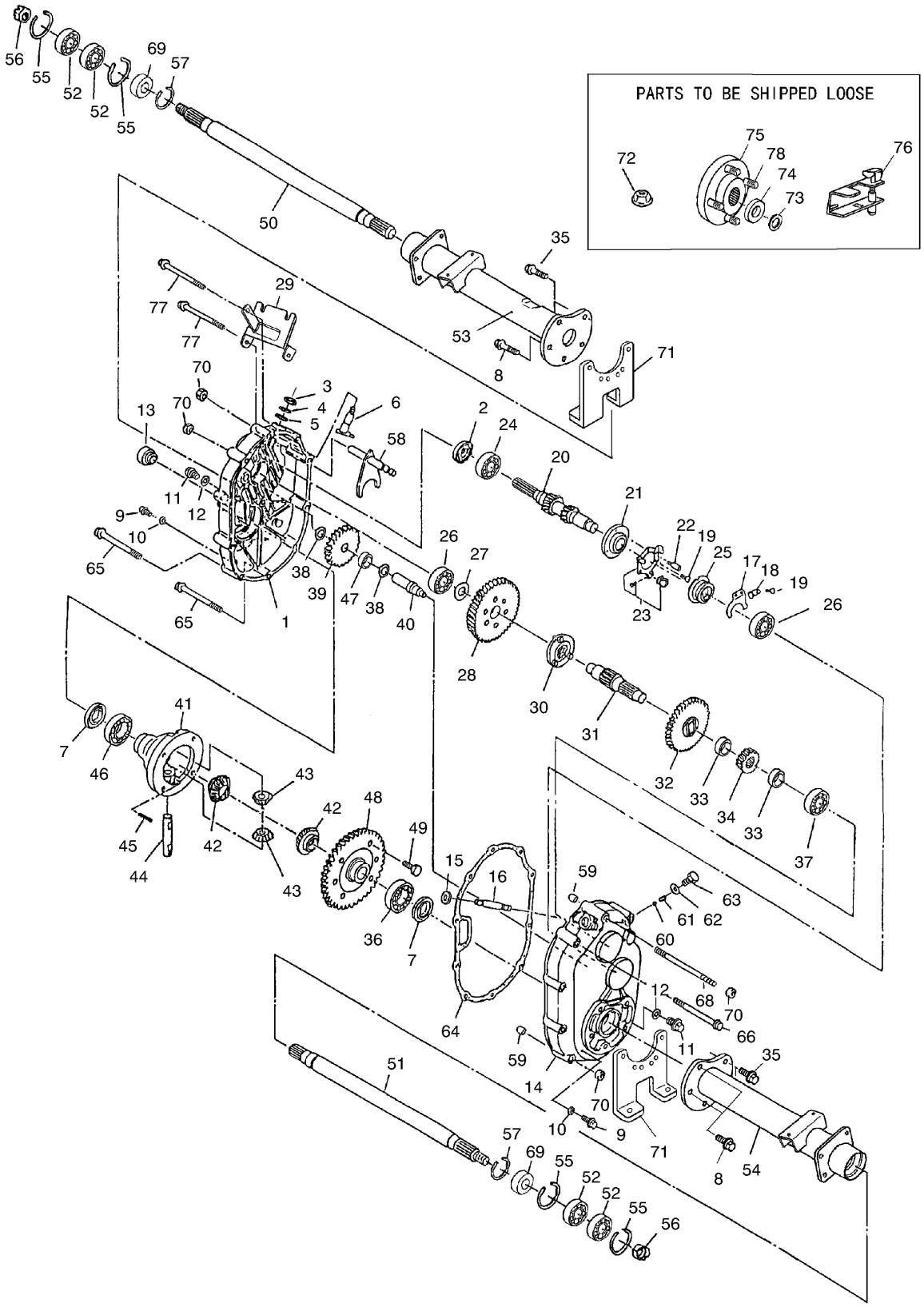
Ref	Part No.	Qty.	Description
43	104-1656	2	Nut-Castle
❶44		1	Tire And Wheel ASM
44:1	104-6889	1	Wheel-5 Bolt
44:2	104-7061	1	Tire
44:3	232-27	1	Stem-Valve



Driven Clutch Assembly No. 99-7104

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

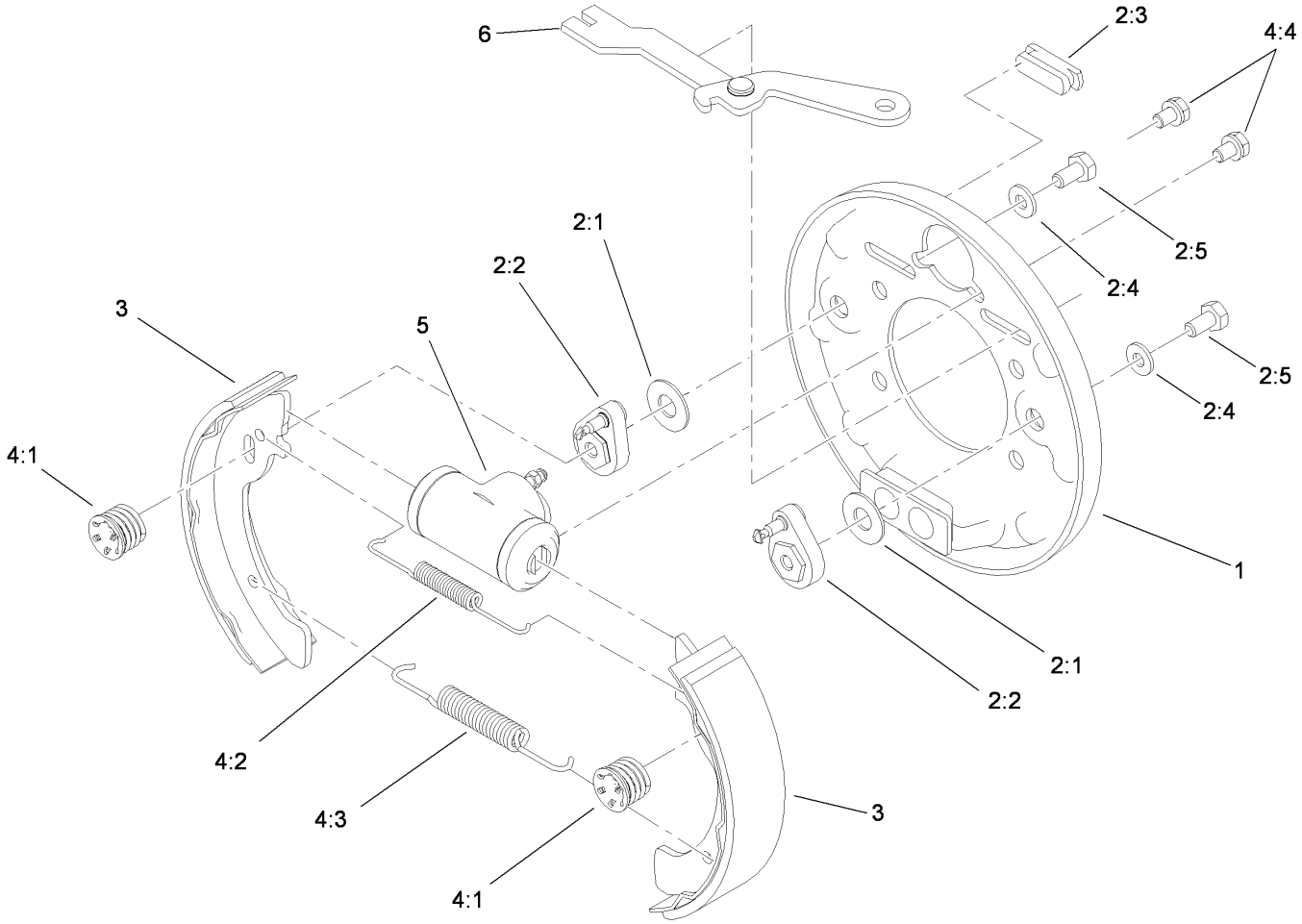
Transaxle Assembly No. 104-6898



Transaxle Assembly No. 104-6898

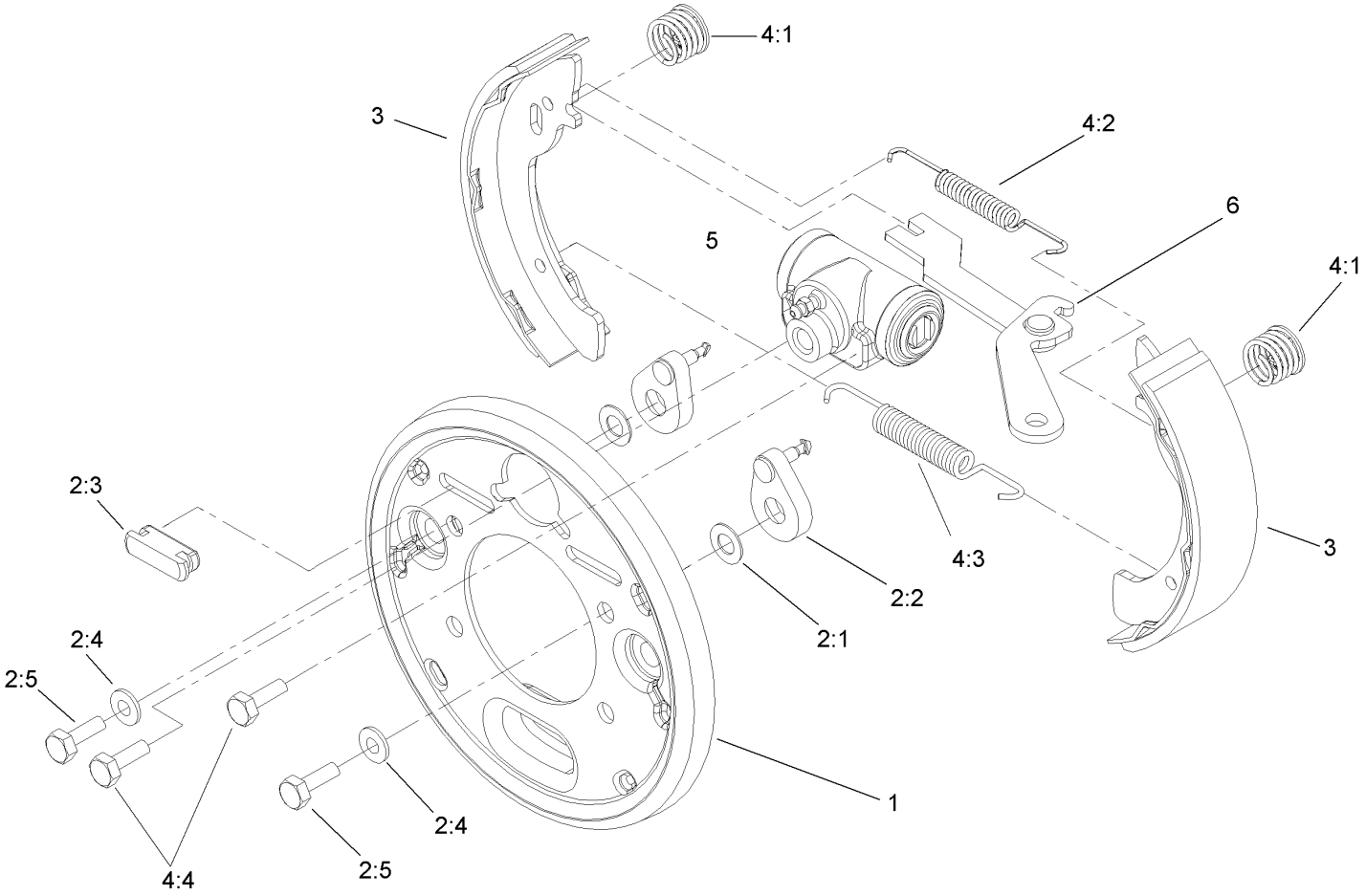
Ref	Part No.	Qty.	Description
1	104-1601	1	Case-LH, Complete
2	104-1602	1	Seal-Oil
3	104-1603	1	Seal-Oil
4	104-1604	1	Ring-Snap
5	104-1605	1	Spacer
6	104-1606	1	Shaft-Selector
7	104-1607	2	Seal-Oil
8	104-1608	4	Bolt-Flange
9	104-1609	2	Plug-Check, Oil
10	104-1610	2	Gasket
11	104-1611	2	Plug-Drain, Oil
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



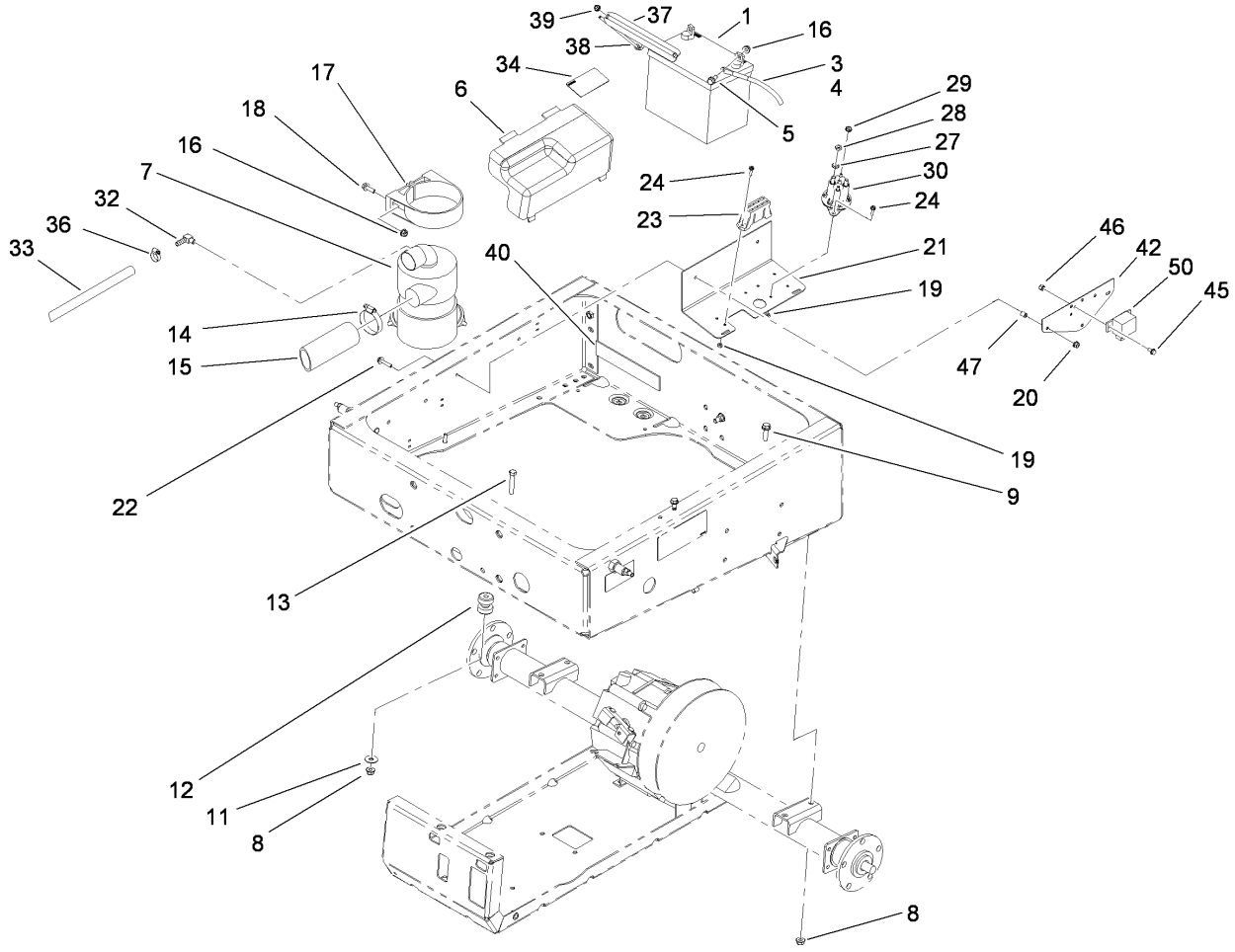
Left Hand Brake Assembly No. 104-6807

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

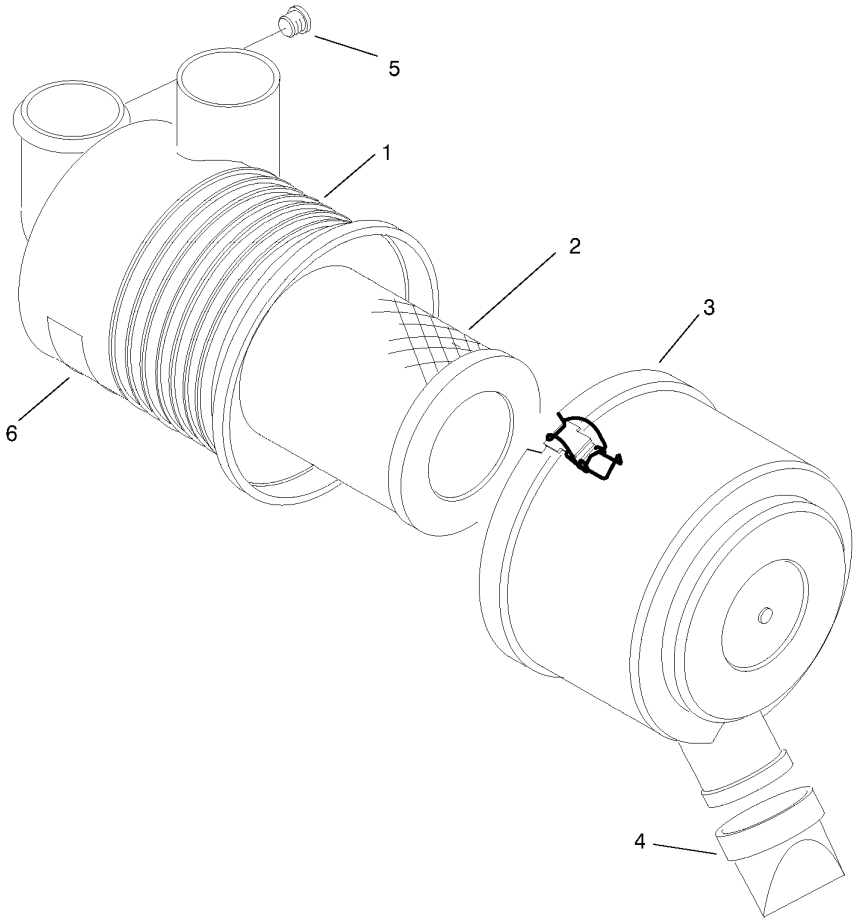
Ref	Part No.	Qty.	Description
1	100-8586	1	Backing Plate ASM
2	104-6820	1	Adjuster Kit
2:1	100-8585	2	Washer-Bellville
2:2	100-8588	2	Adjuster Lever ASM
2:3	100-8584	2	Cover-Dust
❶2:4		2	Washer
❶2:5		2	Bolt
3	104-6818	4	Shoe And Lining Kit
4	104-6819	1	Hardware Kit
4:1	100-8583	2	Shoe Hold Down Spring 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

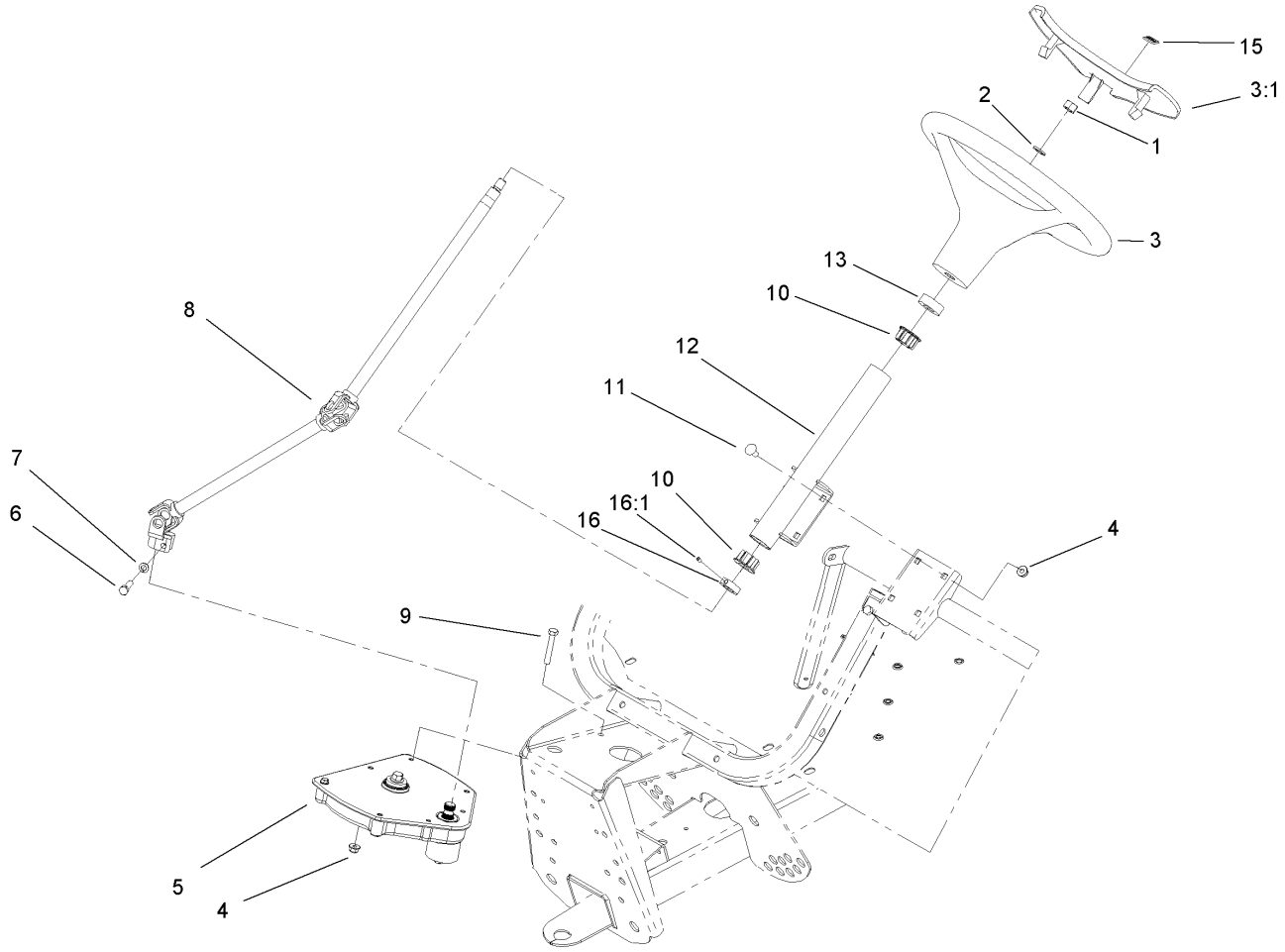
Ref	Part No.	Qty.	Description
1	104-8162	1	Battery
3	99-7428	1	Cable-Negative
4	99-7404	1	Cable-Positive
5	3234-5	2	Screw-HHF
6	99-7325	1	Cover-Electrical
7	99-7120	1	Air Cleaner ASM
8	104-8301	6	Nut-Flange, NI
9	3234-24	4	Screw-HHF
11	3256-35	2	Washer-Flat
12	95-2596	2	Mount-Iso
13	323-10	2	Screw-HH
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



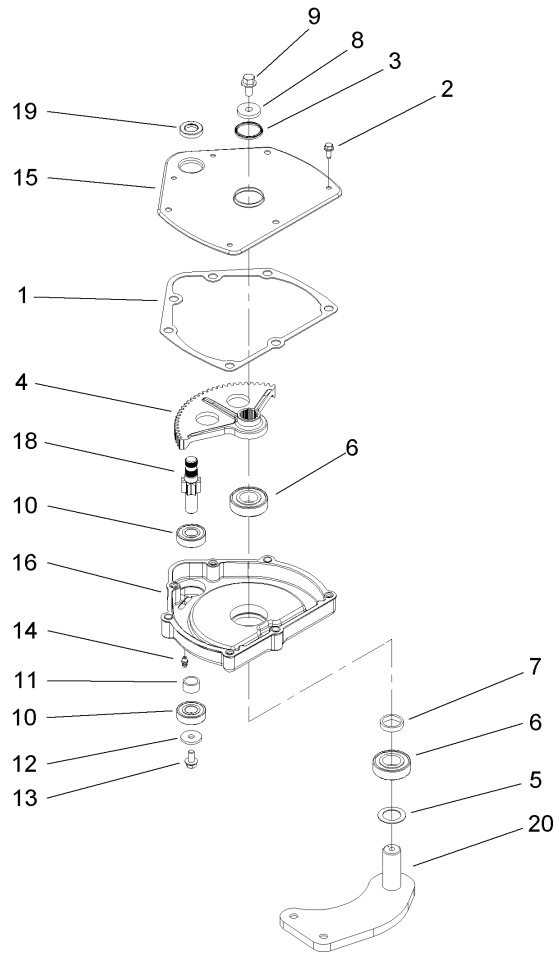
Air Cleaner Assembly No. 99-7120

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



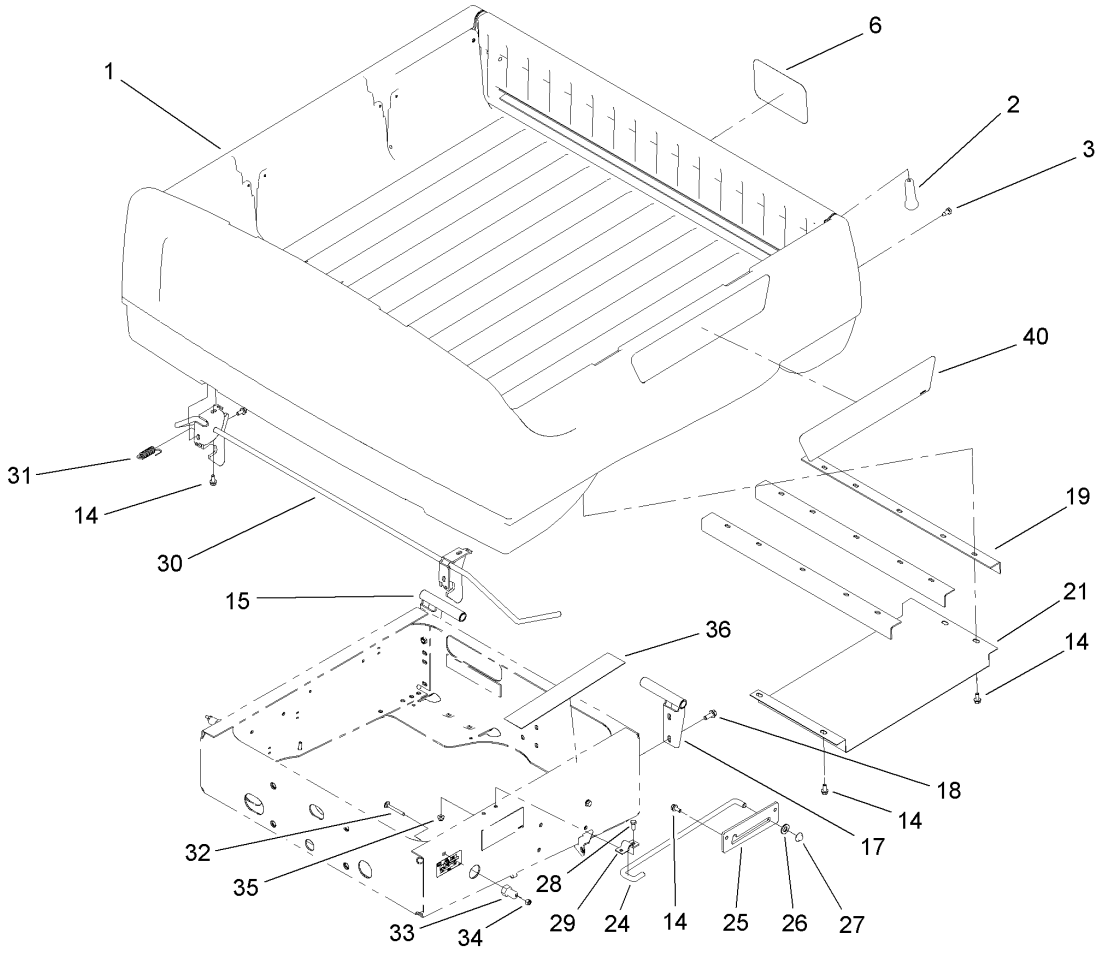
Upper Steering Assembly

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



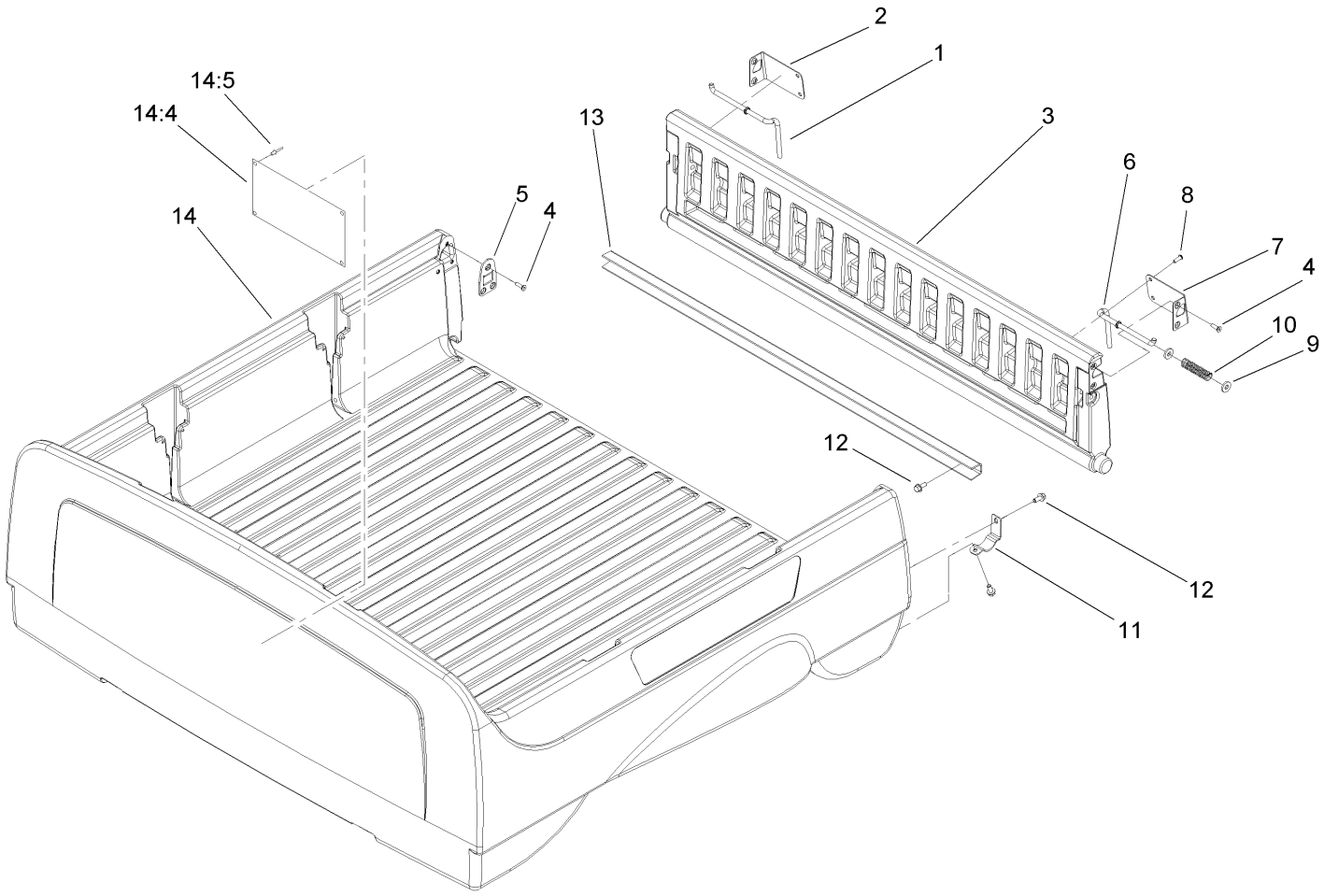
Steering Gearbox Assembly No. 99-7660

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



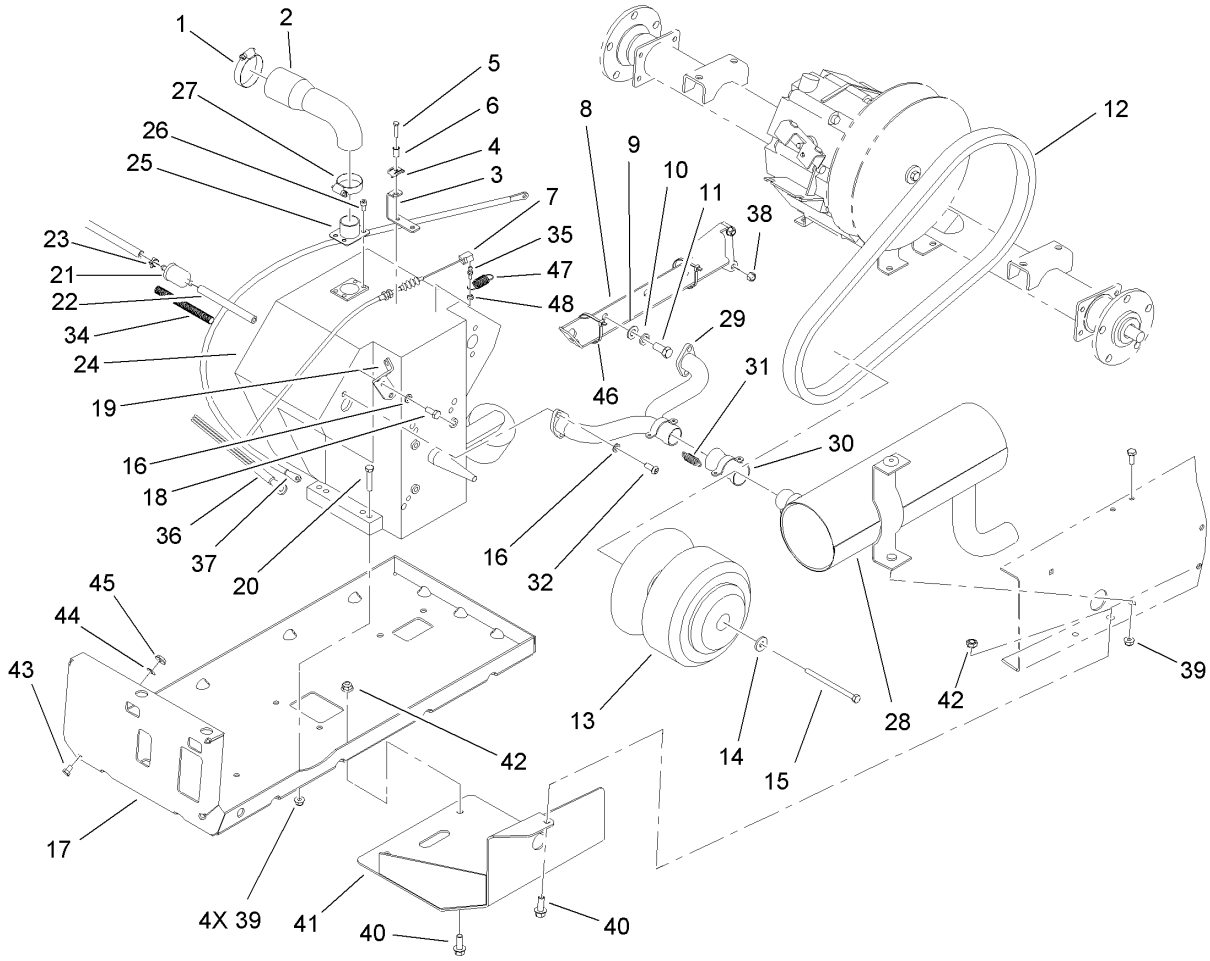
Box and Tailgate Installation Assembly

Ref	Part No.	Qty.	Description
❶1		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

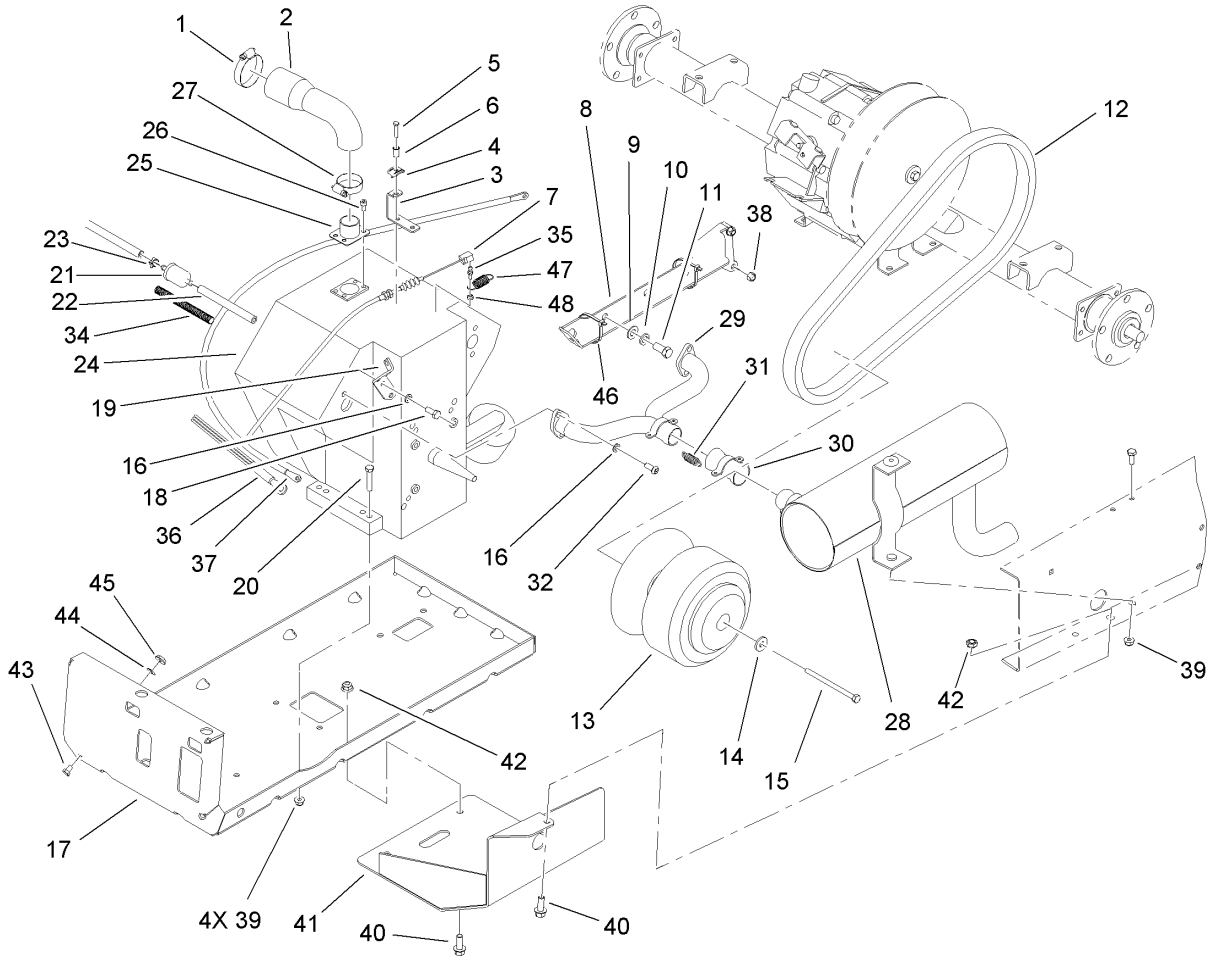
Ref	Part No.	Qty.	Description
1	99-7860	1	Rod-Latch, Right
2	99-7858	1	Bracket-Tailgate Latch, Right
3	99-7893	1	Tailgate ASM
4	99-7334	10	Screw
5	99-7852	2	Plate-Striker
6	99-7859	1	Rod-Latch, Left
7	99-7857	1	Bracket-Tailgate Latch, Left
8	99-7335	4	Screw
9	99-7861	4	Washer-Latch
10	61-8880	2	Spring
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

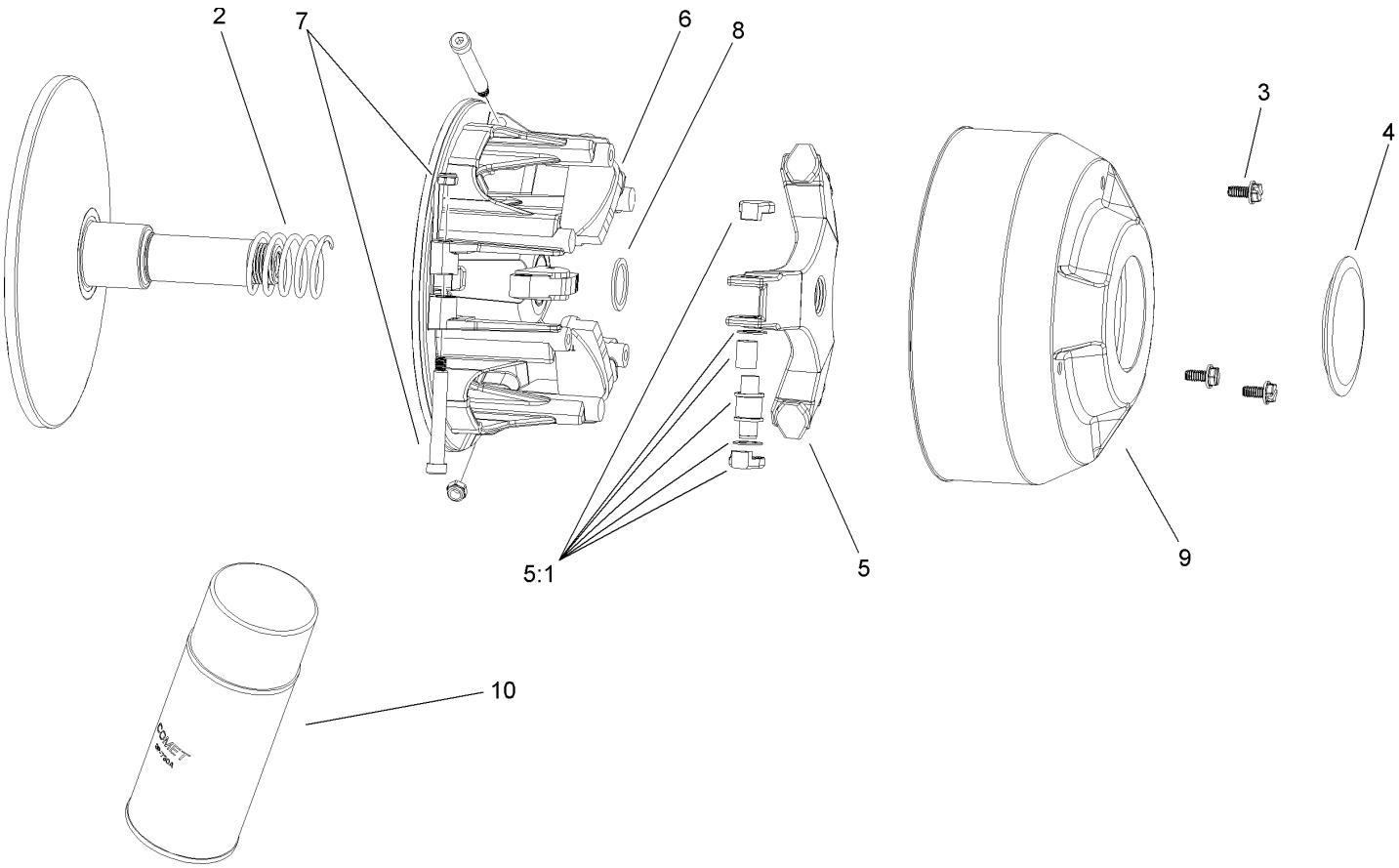
Ref	Part No.	Qty.	Description
1	2412-130	1	Clamp-Hose
2	99-7106	1	Hose-Intake
3	107-0319	1	Bracket-Cable
4	81-1690	1	Clamp-Cable
5	3290-432	1	Screw-HH
6	32148-14	1	Insert-Threaded
7	108-7017	1	Cable-Accelerator
8	104-6631-03	1	Torque Arm ASM
9	3256-25	2	Washer-Flat
10	3253-6	2	Washer-Lock
11	324-4	2	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



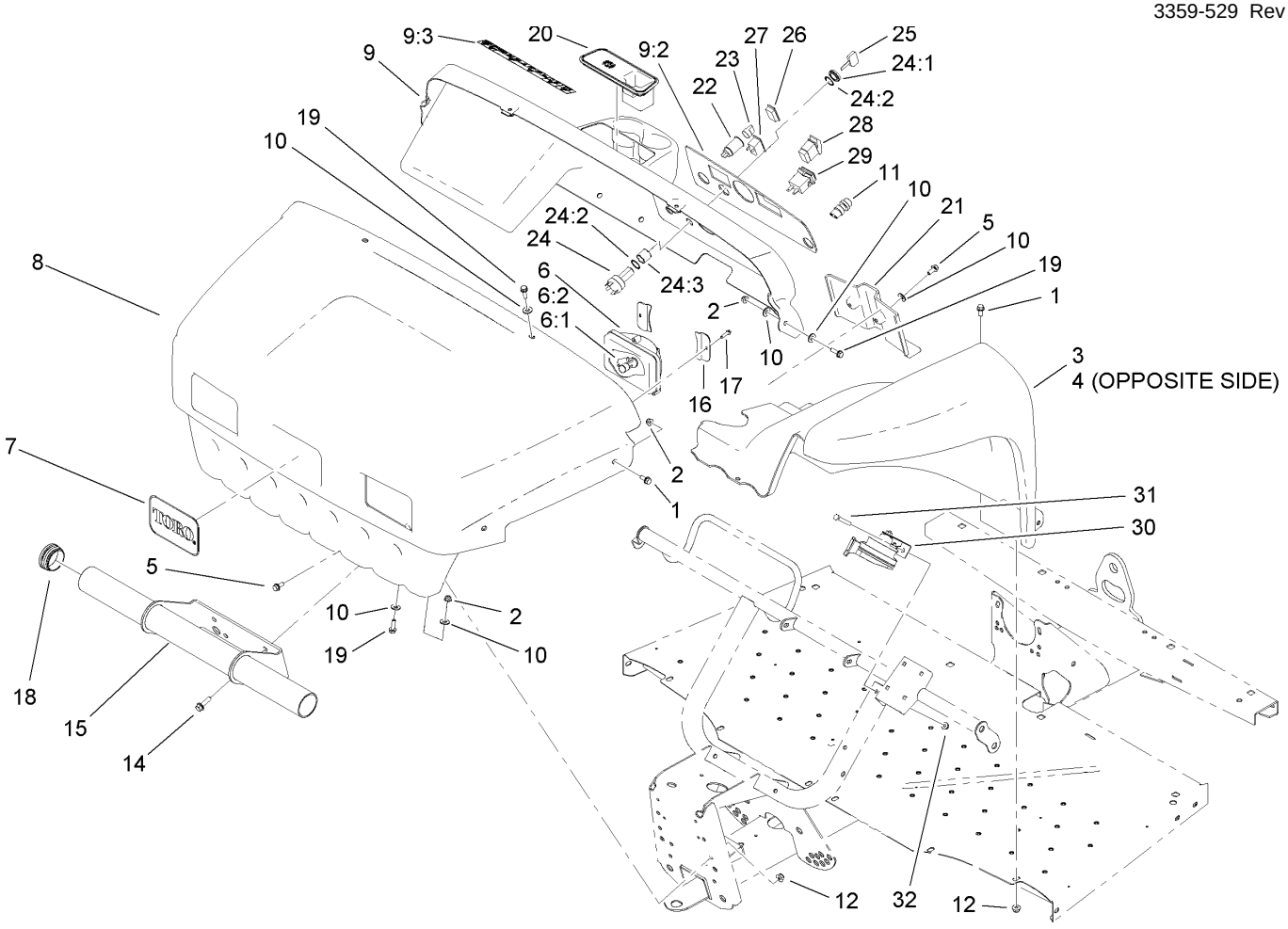
Engine and Clutch Assembly (continued)

Ref	Part No.	Qty.	Description
48	110-2619	1	Keeper-Spring



Drive Clutch Assembly No. 99-7939

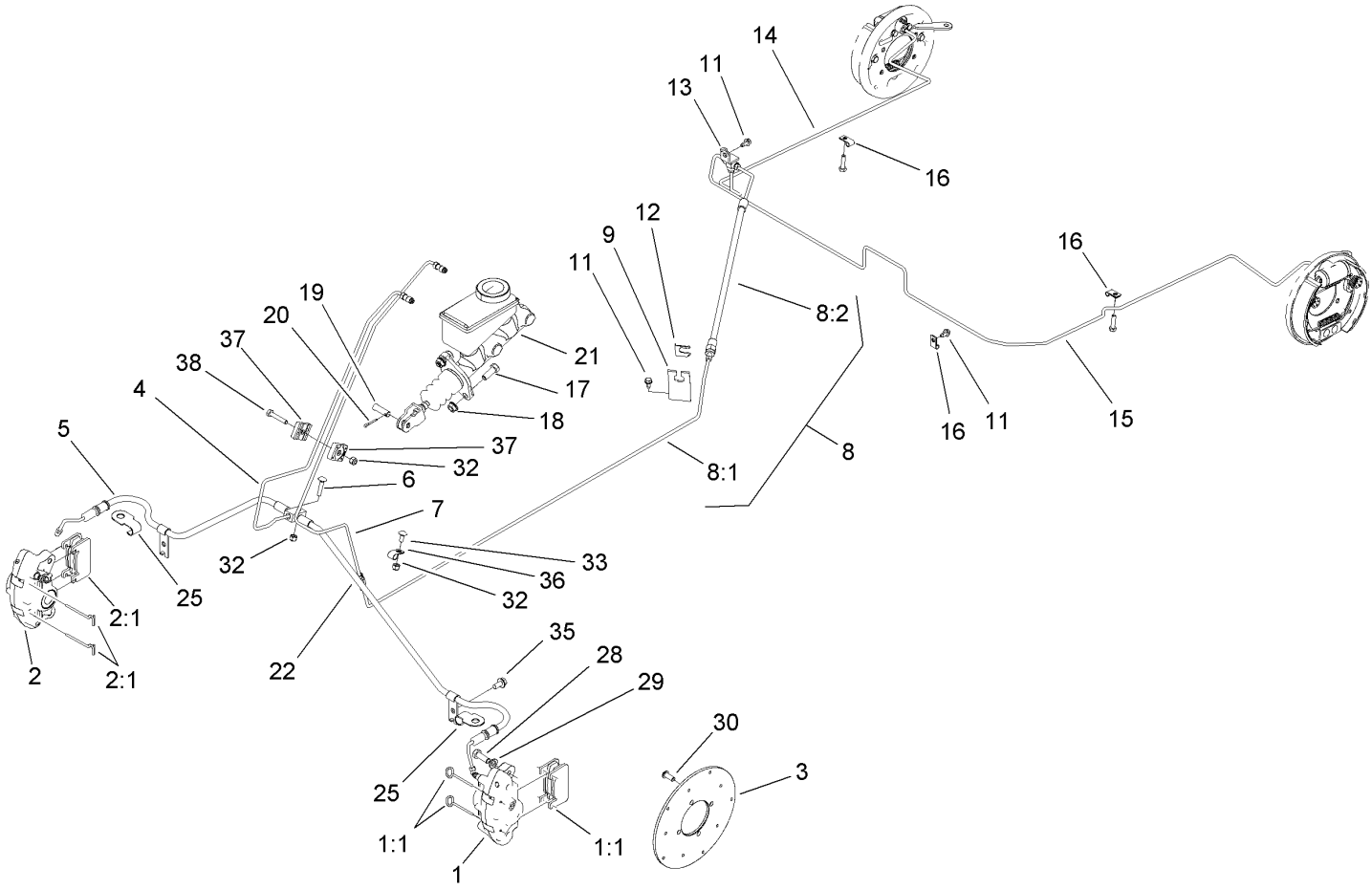
Ref	Part No.	Qty.	Description
2	104-7046	1	Spring
3	3234-26	3	Screw
4	104-1690	1	Cap
5	108-3047	1	Spider ASM
5:1	110-2642	1	Spider Replacement Parts Kit
6	104-1696	1	Arm-Cam
7	104-4256	1	Pivot Bolt And Nut Kit
8	104-1687	1	Spacer
9	104-1691	1	Cover
10	104-7011	1	Lubricant-Dry



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

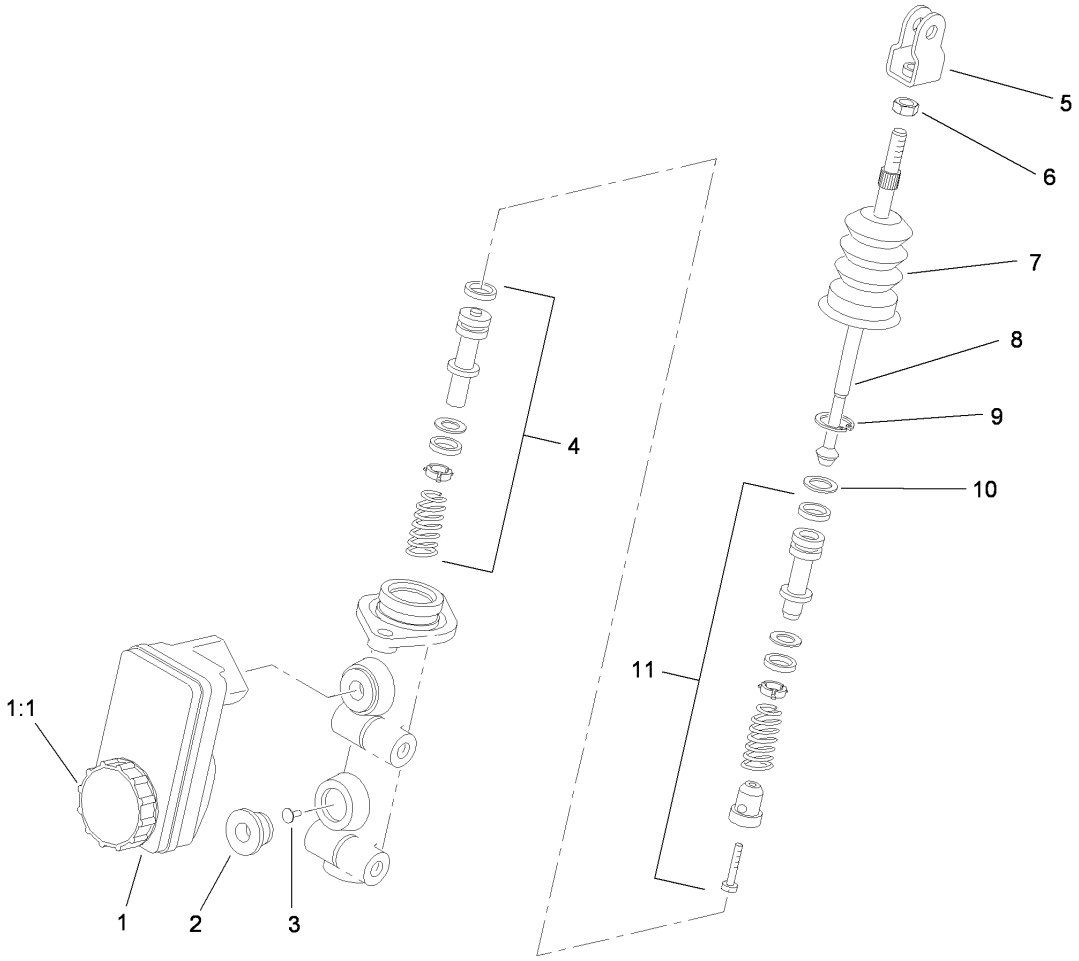
Ref	Part No.	Qty.	Description
22	99-7411	1	Point-Power
23	99-7416	1	Cap
24	104-6929	1	Switch-Ignition
24:1	104-7042	1	Nut-Switch, Plastic
24:2	104-7019	2	Washer-Lock, Internal
24:3	104-7021	1	Spacer-Switch
25	99-7418	2	Key-Ignition
26	99-7420	1	Plug-Hole
27	99-7410	1	Indicator-Light, Low-Oil Pressure
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

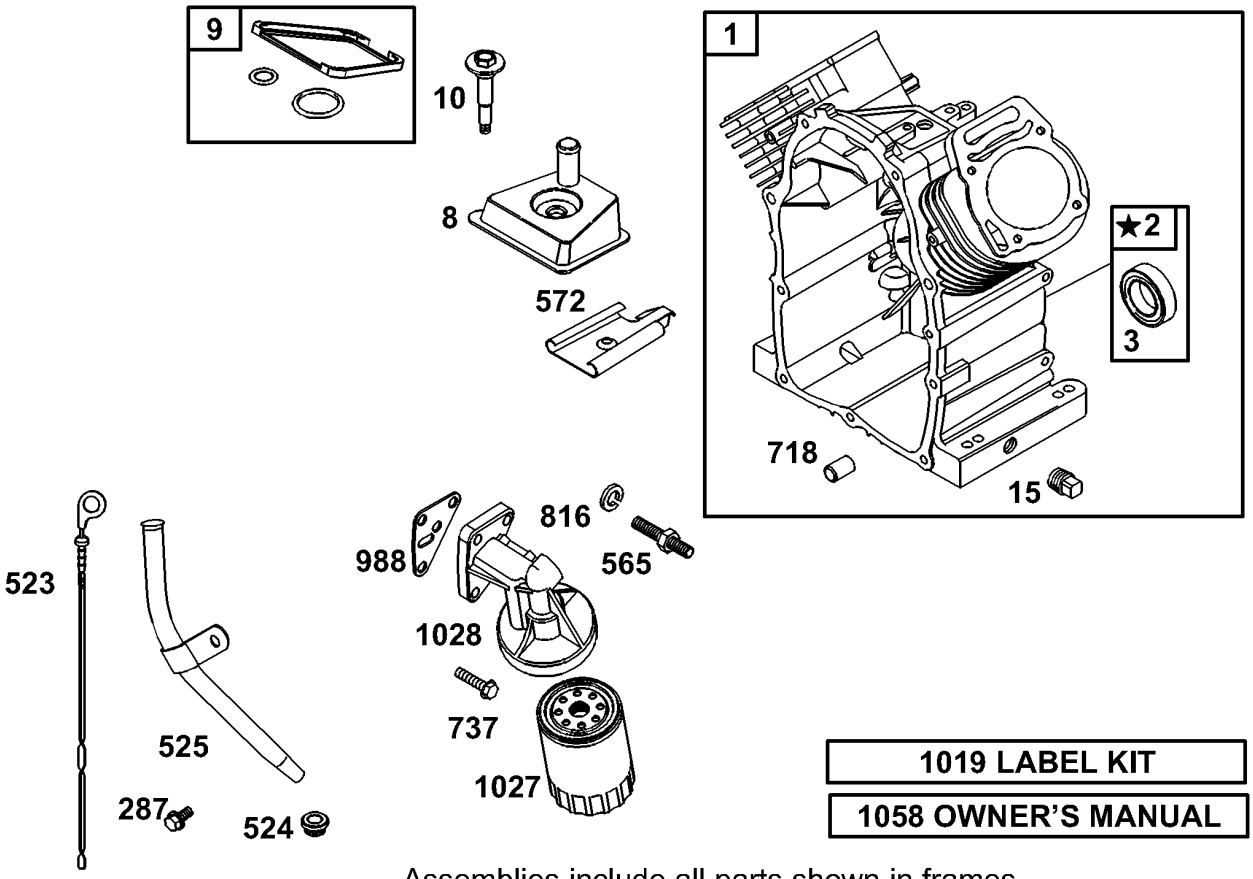
Ref	Part No.	Qty.	Description
1	107-0361	1	Caliper-LH
1:1	107-0708	1	Friction Pad And Pin Kit
2	107-0362	1	Caliper-RH
2:1	107-0708	1	Friction Pad And Pin Kit
3	104-6891	2	Rotor
4	104-6798	1	Tube-Brake, Front
5	104-7256	1	Front Hose ASM
6	3229-3	1	Screw-CARR
7	104-6793	1	Tube-Brake, Rear
❶8		1	Rear Brake Hose ASM
8:1	104-6794	1	Tube-Brake, Rear
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

Ref	Part No.	Qty.	Description
22	87-3570	1	Union
25	104-7073	2	Bracket-Hose
28	323-6	4	Screw-HH
29	3253-21	4	Washer-Lock
30	3274-55	8	Screw-HSBH
32	3296-42	3	Nut-Lock, NI
33	3229-11	1	Screw-CARR
35	32144-14	2	Screw-HWHTF
36	2412-89	1	Clamp
37	87-7660	2	Clamp-Tube
38	321-9	1	Screw-HH



Master Cylinder Assembly No. 104-6782

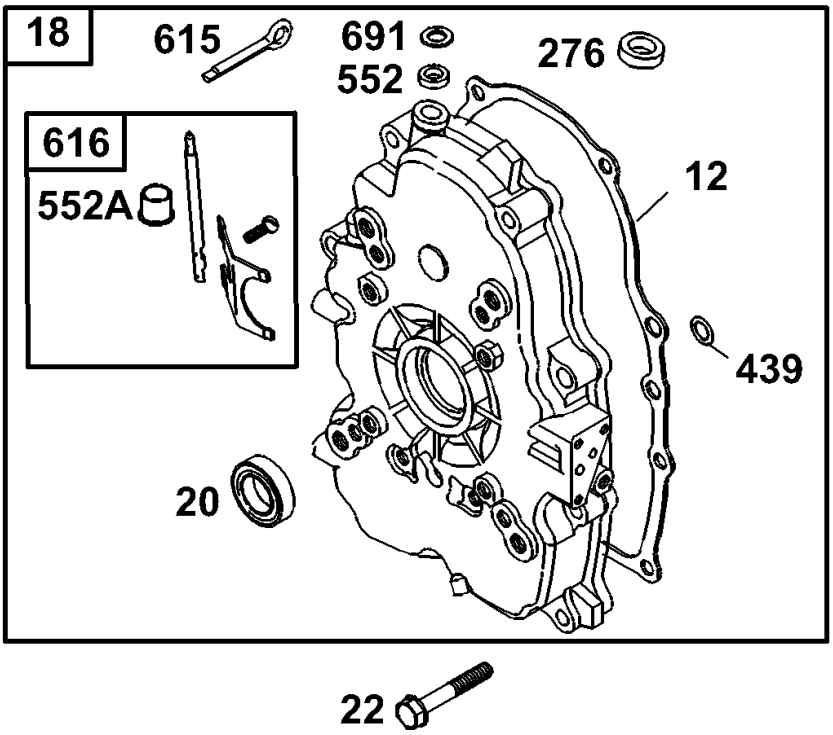
Ref	Part No.	Qty.	Description
1	104-6845	1	Reservoir ASM
1:1	92-4112	1	Cap ASM
2	93-8971	2	Seal-Port, Flange
3	92-4103	1	Pin-Stop
4	92-4102	1	Secondary Piston ASM
5	92-4110	1	Clevis
6	21-0360	1	Nut-Hex
7	94-5209	1	Cover-Dust
8	94-5210	1	Rod-Push
9	92-4109	1	Ring-Snap
10	92-4108	1	Retainer-Washer
11	92-4101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



Assemblies include all parts shown in frames.

Cylinder, Oil Filter and Dipstick Assembly
Briggs and Stratton 303447-1319-E1

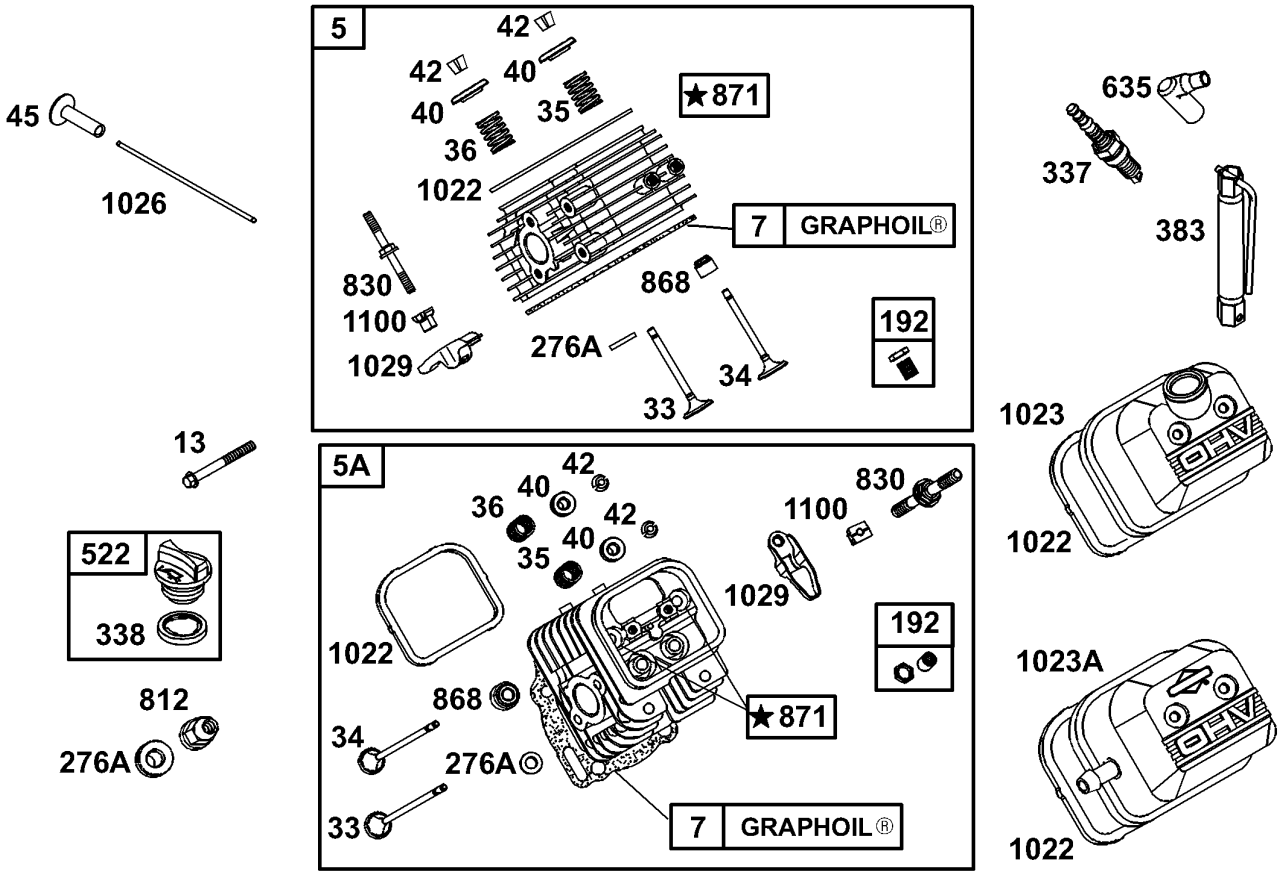
Ref	Part No.	Qty.	Description
❺1	692178	1	Cylinder ASM
❺2	808534	1	Bushing-Seal Kit
❷❺3	805101	1	Seal-Oil
❺8	808984	1	Breather ASM
❷❺9	807893	1	Breather Gasket
❺10	690751	1	Screw
❺15	690946	1	Plug-Drain, Oil
❺287	692062	1	Screw
❺523	693175	1	Dipstick
❷❺524	693172	1	Seal-Tube, Dipstick
❺525	693173	1	Tube-Dipstick
❺565	690682	1	Stud
❺572	690686	1	Baffle-Breather
❺718	690684	1	Pin-Locating
❺737	690679	1	Screw
❺816	690706	1	Washer
❷❺988	692063	1	Gasket-Adapter, Oil Filter
❺1019	808036	1	Label Kit
❺1027	492932	1	Filter-Oil
❺1028	808235	1	Adapter-Filter, Oil
❺1058	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
❷❺12	691684	1	Gasket-Crankcase
❺18	808847	1	Cover-Crankcase
❷❺20	805049	1	Seal-Oil
❺22	692540	1	Screw
❺276	690704	1	Washer-Sealing
❷❺439	692154	1	Seal-O Ring
❺552	690701	1	Bushing-Crank, Governor
❺552A	806686	1	Bushing-Crank, Governor
❺615	691550	1	Retainer-Shaft, Governor
❺616	806685	1	Crank-Governor
❷❺691	690680	1	Seal-Shaft, Governor

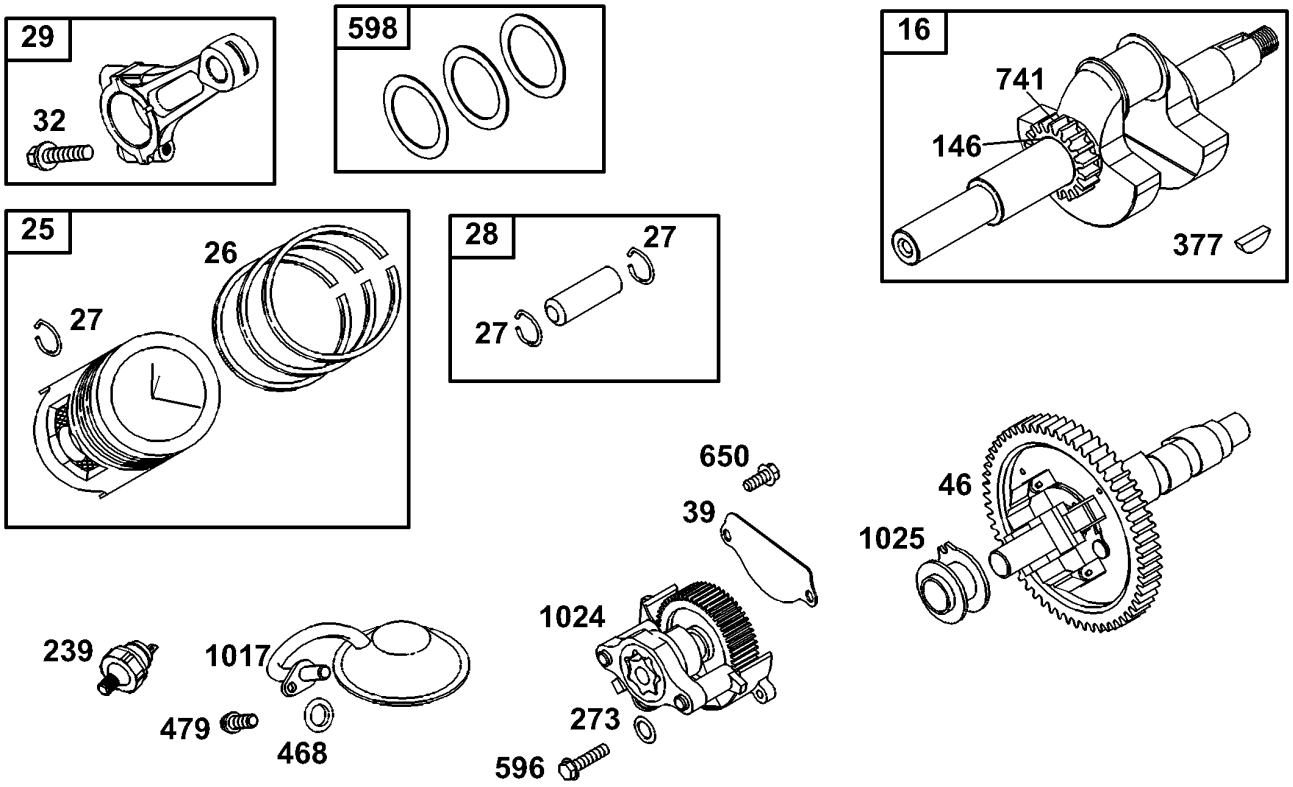


Assemblies include all parts shown in frames.

Cylinder Head and Cover Assembly
Briggs and Stratton 303447-1319-E1

Ref	Part No.	Qty.	Description
❺5	808381	1	Head-Cylinder (Cylinder No. 1)
❺5A	808382	1	Head-Cylinder (Cylinder No. 2)
❷❸7 ❺	806085	1	Gasket-Head, Cylinder
❺13	692059	1	Screw
❺33	807681	1	Valve-Exhaust
❺34	807680	1	Valve-Intake
❺35	692084	1	Spring-Valve
❺36	692084	1	Spring-Valve
❺40	692058	1	Retainer-Valve
❺42	807683	1	Keeper-Valve
❺45	690977	1	Tappet-Valve
❺192	807623	1	Adjuster-Arm, Rocker
❷❸276A ❺	691766	1	Washer-Sealing
❺337	491055	1	Plug-Spark
❷❸338 ❺	691312	1	Gasket-Dipstick
❺383	19374	1	Wrench-Spark Plug
❺522	491832	1	Plug-Fill, Dipstick
❺635	692076	1	Boot-Spark Plug
❺812	692055	1	Nut
❺830	691544	1	Stud-Rocker Arm
❷❸868 ❺	691963	1	Seal-Valve

Ref	Part No.	Qty.	Description
❺871	692057	1	Bushing-Guide, Valve
❷❸1022 ❺	806039	1	Gasket-Cover, Rocker
❺1023	690758	1	Cover-Valve
❺1023A	691558	1	Cover-Valve
❺1026	691836	1	Rod-Push
❺	691758	1	Rod-Push
❺1029	691543	1	Arm-Rocker
❺1100	690973	1	Pivot-Arm, Rocker

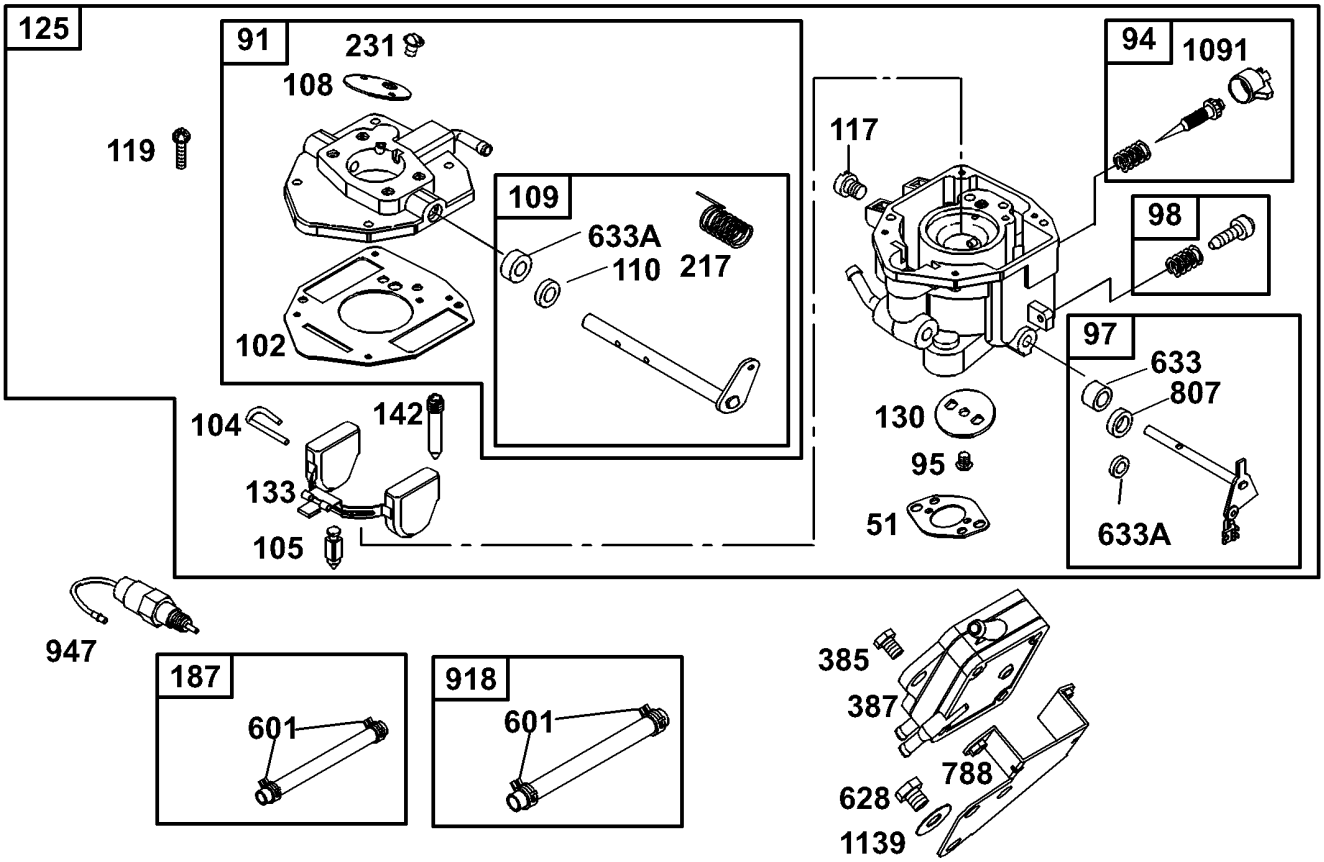


Assemblies include all parts shown in frames.

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

Ref	Part No.	Qty.	Description
❺16	692163	1	Crankshaft
❺25	807619	1	Piston ASM (Standard)
❺	807807	1	Piston ASM (.010 Oversize)
❺	807809	1	Piston ASM (.020 Oversize)
❺	807811	1	Piston ASM (.030 Oversize)
❺26	807620	1	Ring Set (Standard)
❺	807808	1	Ring Set (.010 Oversize)
❺	807810	1	Ring Set (.020 Oversize)
❺	807812	1	Ring Set (.030 Oversize)
❺27	690683	1	Lock-Pin, Piston
❺28	807621	1	Pin-Piston
❺29	807900	1	Rod-Connecting (Standard)
❺	807809	1	Piston ASM (.020 Oversize)
❺32	690698	1	Screw
❺39	690745	1	Deflector-Oil
❺46	691557	1	Camshaft
❺146	691639	1	Key-Timing
❺239	690233	1	Switch-Pressure, Oil
❷❺273	690681	1	Seal-O Ring
❺377	808095	1	Key-Woodruff
❷❺468	690690	1	Seal-O Ring
❺479	692537	1	Screw
❺596	691492	1	Screw
❺598	807625	1	Shim-Play, End

Ref	Part No.	Qty.	Description
❺650	692539	1	Screw
❺741	691530	1	Gear-Timing
❺1017	690900	1	Screen-Pump, Oil
❺1024	693185	1	Pump-Oil
❺1025	690689	1	Spool-Governor

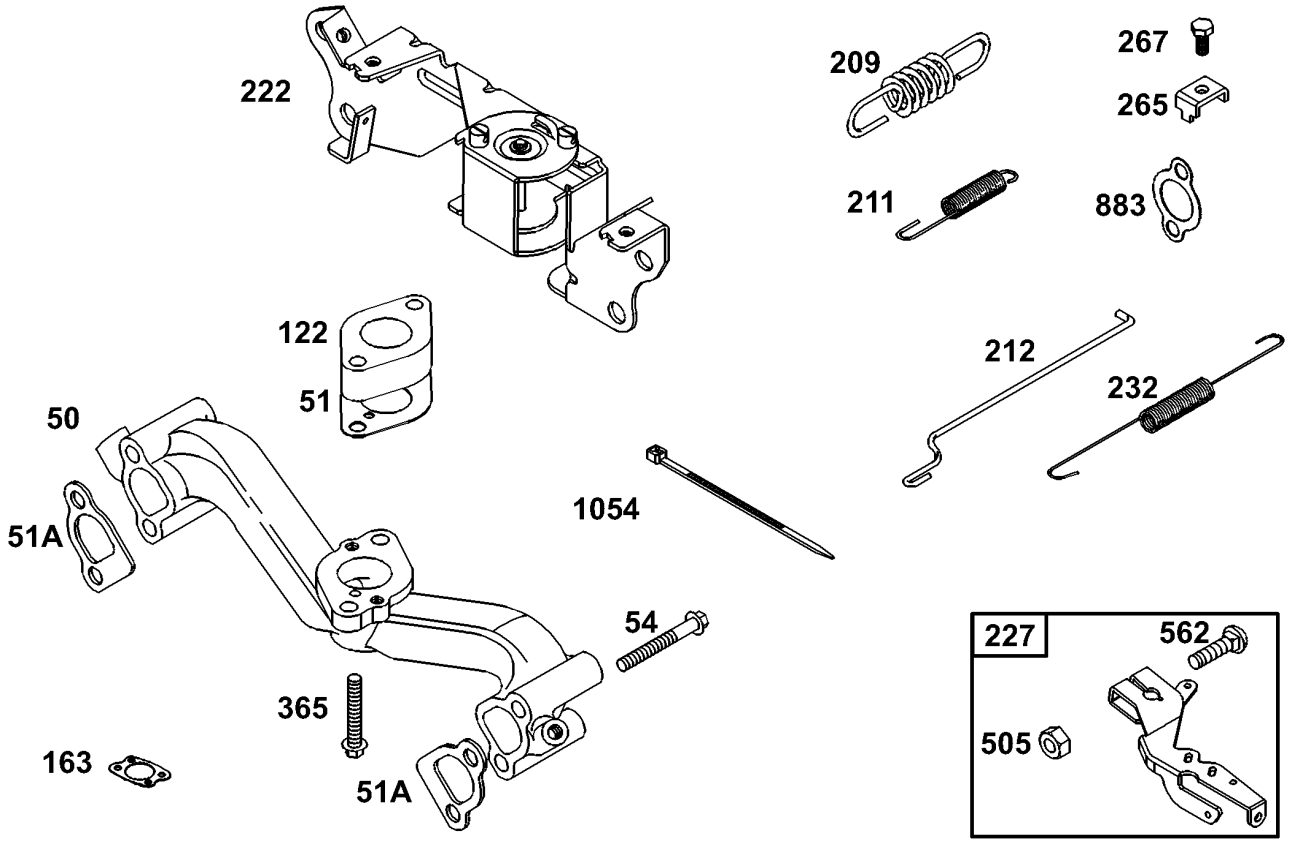


Assemblies include all parts shown in frames.

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

Ref	Part No.	Qty.	Description
❷❹51 ❺	691694	1	Gasket-Intake
❺91	808964	1	Body-Carburetor, Upper
❹❺94	808257	1	Idle Mixture Kit
❺95	690718	1	Screw
❺97	809007	1	Shaft-Throttle
❺98	808177	1	Idle Speed Kit
❹❺102	692077	1	Gasket-Body, Carburetor
❹❺104	690723	1	Pin-Hinge, Float
❹❺105	692078	1	Valve-Needle, Float
❺108	690719	1	Valve-Choke
❺109	809062	1	Shaft-Choke
❺110	806861	1	Washer
❺117	806986	1	Jet-Main
❺119	690720	1	Screw
❺125	809092	1	Carburetor
❺130	690726	1	Valve-Throttle
❺133	806961	1	Float-Carburetor
❺142	806987	1	Nozzle-Carburetor
❺187	691050	1	Line-Fuel (Cut To Required Length)
❺217	806862	1	Spring-Return, Choke
❺231	690718	1	Screw
❺385	693169	1	Screw

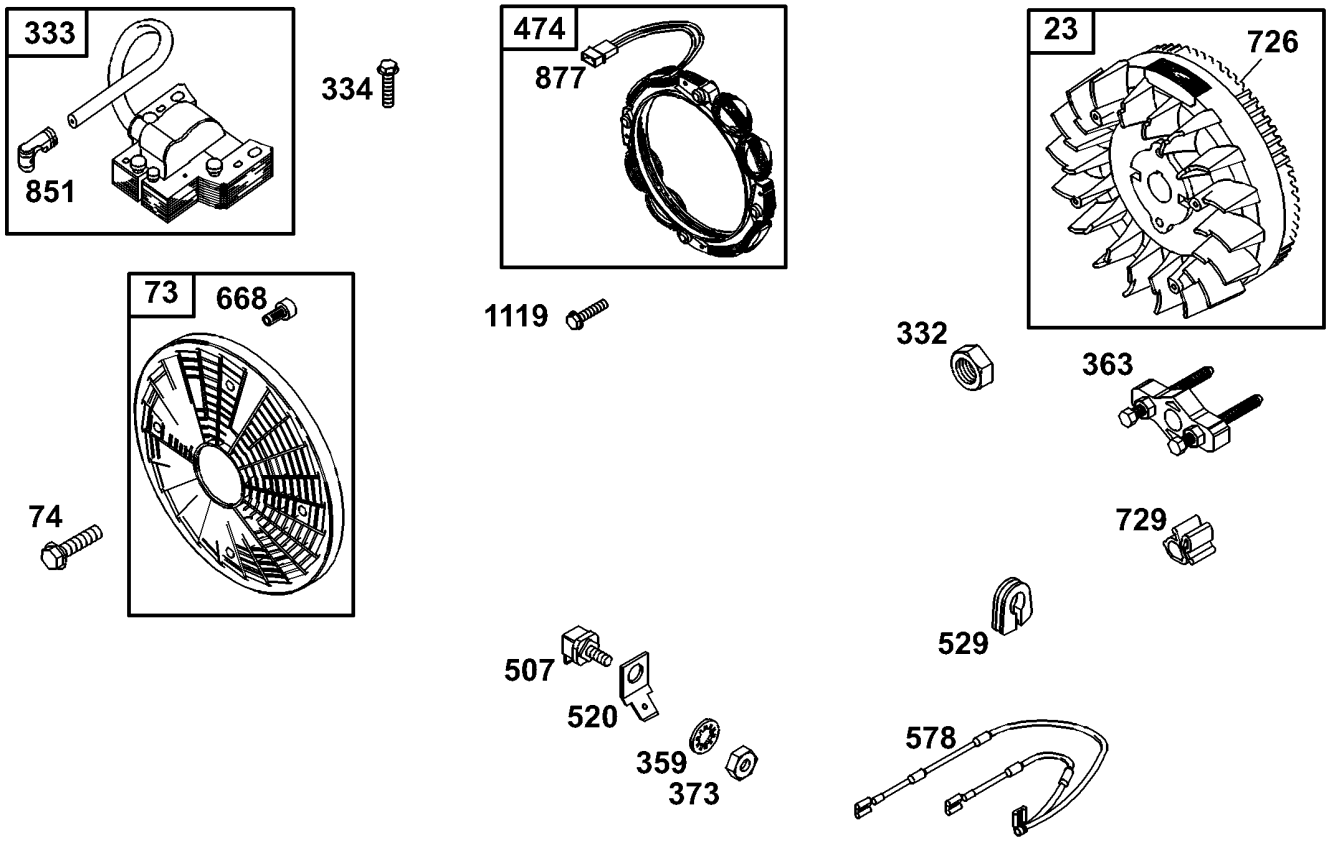
Ref	Part No.	Qty.	Description
❺387	808656	1	Pump-Fuel
❺601	691038	1	Clamp-Hose
❺628	806660	1	Screw
❹❺633	806131	1	Seal-Shaft, Choke Throttle
❹❺633A	690722	1	Seal-Shaft, Choke Throttle
❺788	691559	1	Bracket-Pump, Fuel
❹❺807	805557	1	Collar-Throttle
❺918	393815	1	Line-Vacuum
❺947	692094	1	Solenoid-Fuel
❹❺1091	691516	1	Cap-Limiter
❺1139	806497	1	Washer



Assemblies include all parts shown in frames.

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

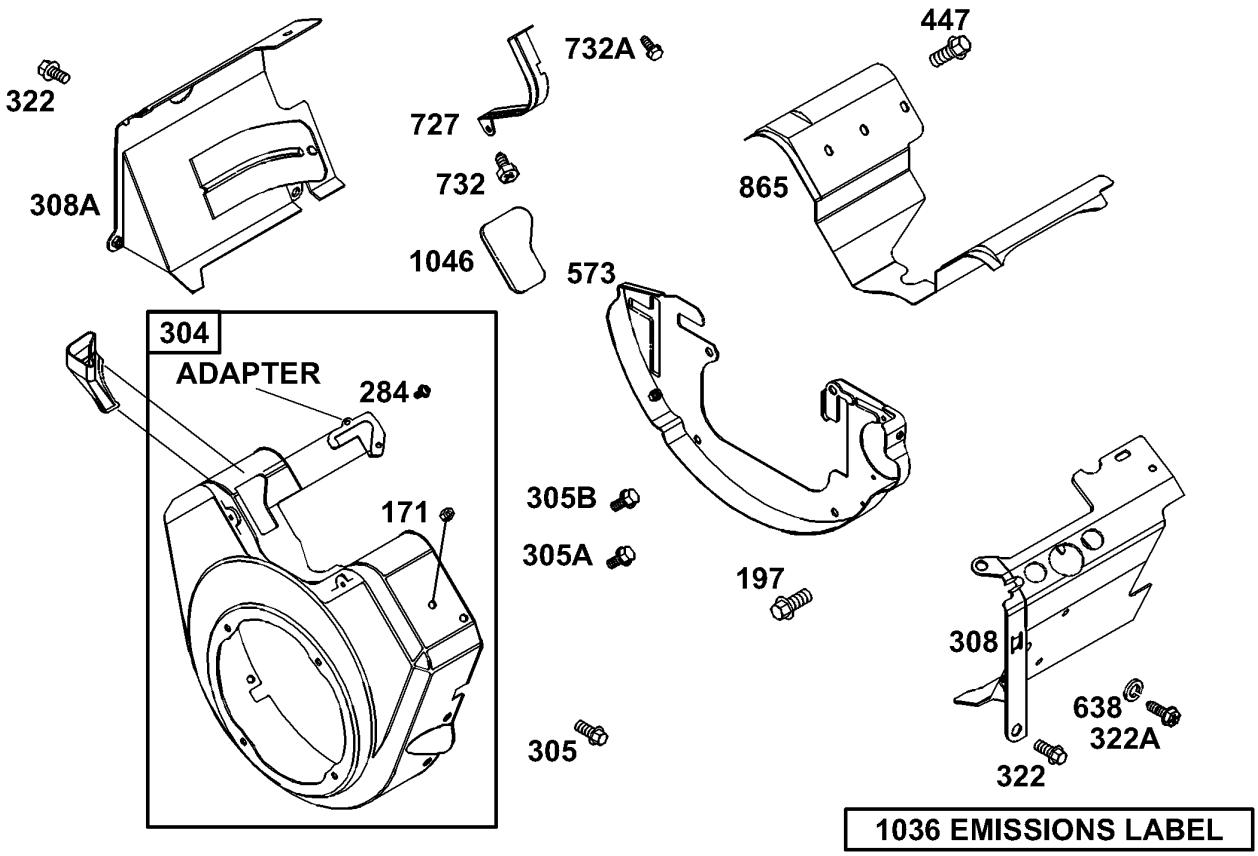
Ref	Part No.	Qty.	Description
S50	690754	1	Manifold-Intake
24S51	691694	1	Gasket-Intake
25S51A	692035	1	Gasket-Intake
S54	690676	1	Screw
S122	690691	1	Spacer-Carburetor
25S163	692081	1	Gasket-Cleaner, Air
S209	691507	1	Spring-Governor
S211	691553	1	Spring-Governed Idle
S212	690712	1	Link-Throttle
S222	691570	1	Bracket-Control
S227	690236	1	Lever-Control, Governor
S232	692073	1	Spring-Link, Governor
S265	691024	1	Clamp-Casing
S267	692083	1	Screw
S505	690238	1	Nut
S562	690239	1	Bolt
25S883	691613	1	Gasket-Exhaust
S1054	280275	1	Tie-Cable



Assemblies include all parts shown in frames.

Alternator Assembly
Briggs and Stratton 303447-1319-E1

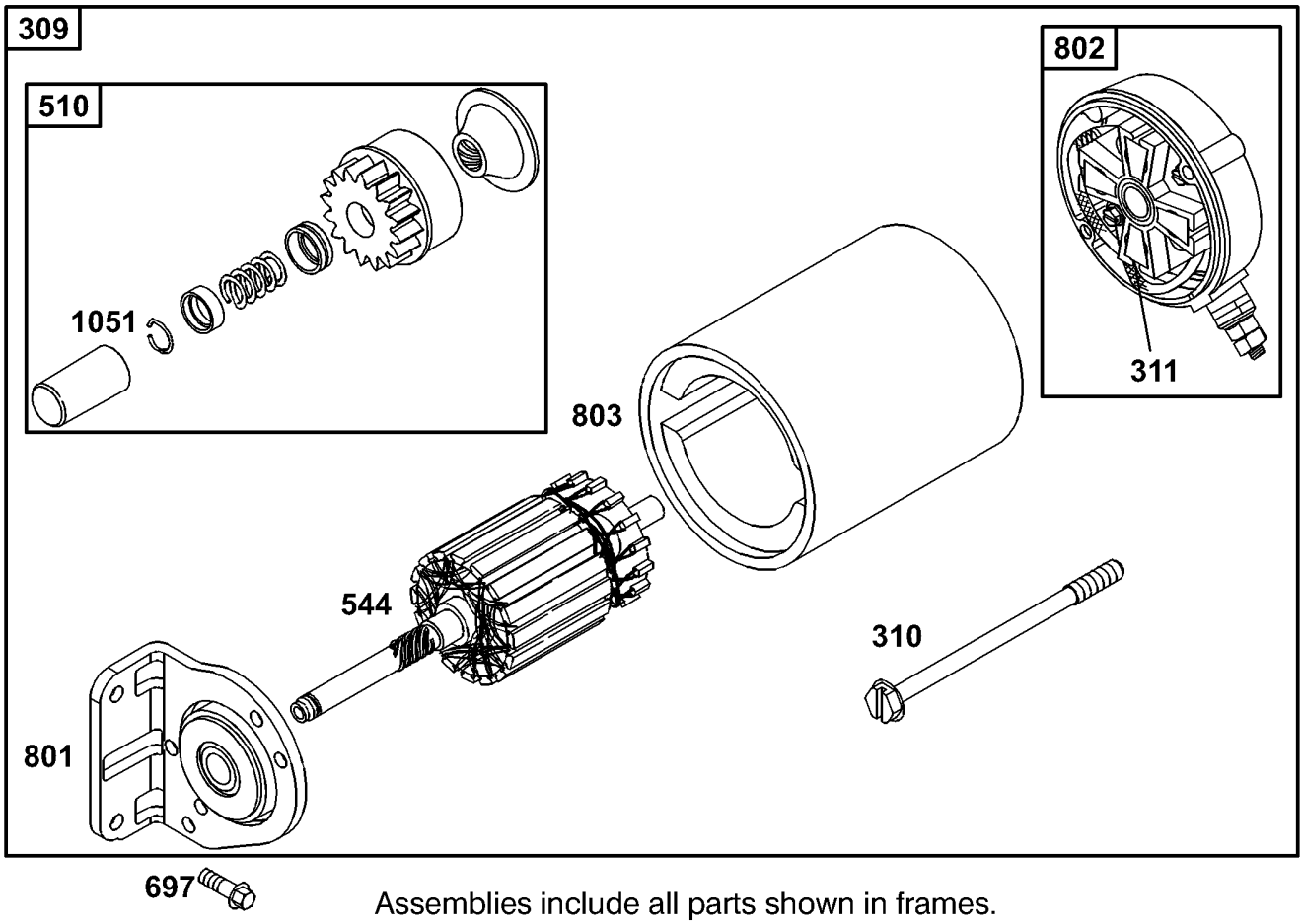
Ref	Part No.	Qty.	Description
❺23	808766	1	Flywheel
❺73	494439	1	Screen-Rotating
❺74	691647	1	Screw
❺171	810056	1	Nut
❺284	93410	1	Screw
❺332	690887	1	Nut
❺333	492341	1	Armature-Magneto
❺334	692066	1	Screw
❺359	691077	1	Washer
❺363	19203	1	Puller-Flywheel
❺373	691612	1	Nut
❺474	691064	1	Alternator
❺507	691972	1	Insulator
❺520	691084	1	Terminal-Ground
❺529	690744	1	Grommet
❺578	692319	1	Wire ASM
❺668	691500	1	Spacer
❺726		1	Gear-Ring
❺729	690586	1	Clip-Wire
❺851	493880	1	Terminal-Spark Plug
❺877	399916	1	Connector-Wire, Alternator
❺1119	691552	1	Screw



Assemblies include all parts shown in frames.

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

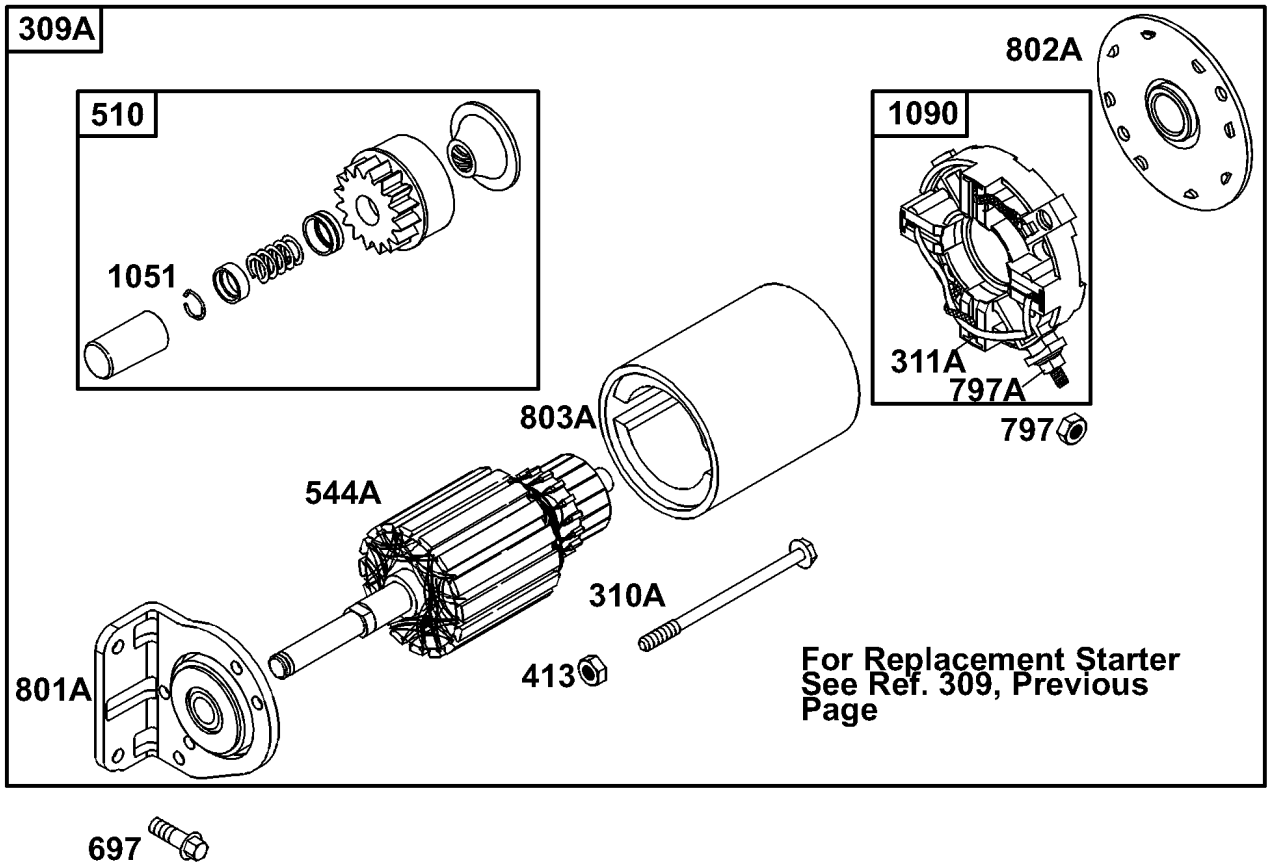
Ref	Part No.	Qty.	Description
❺197	692539	1	Screw
❺304	808408	1	Housing-Blower
❺305	692539	1	Screw
❺305A	692056	1	Screw
❺305B	692062	1	Screw
❺308	806547	1	Cover-Head, Cylinder (Cyl. #1)
❺308A	806546	1	Cover-Head, Cylinder (Cyl. #2)
❺322	692539	1	Screw
❺322A	692067	1	Screw
❺447	692539	1	Screw
❺573	690902	1	Plate-Back
❺638	691551	1	Washer
❺727	690714	1	Shield-Starter
❺732	690688	1	Screw
❺732A	692539	1	Screw
❺865	690750	1	Cover-Guide, Air
❺1036	806881	1	Decal-Emission
❺1046	692082	1	Plug-Housing, Blower



Assemblies include all parts shown in frames.

Starter Motor Assembly
Briggs and Stratton 303447-1319-E1

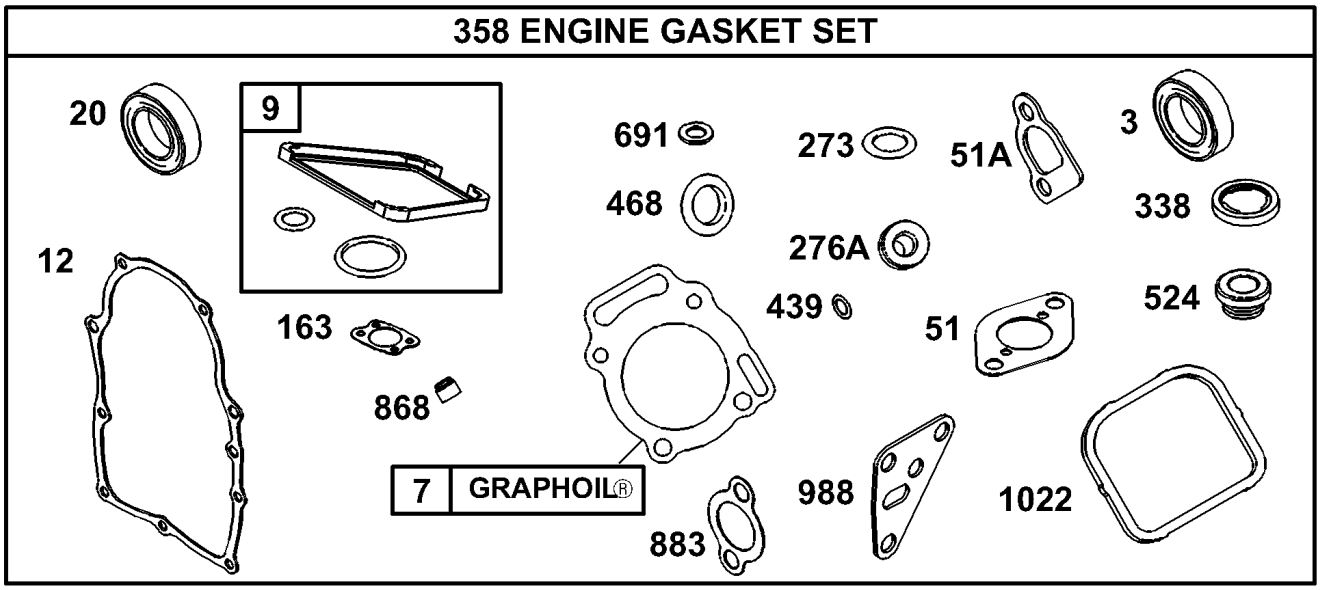
Ref	Part No.	Qty.	Description
❺309	691564	1	Motor-Starter
❺310	496880	1	Bolt-Thru
❺311	496887	1	Brush Set
❺510	496881	1	Drive-Starter
❺544	690855	1	Armature-Starter
❺697	692062	1	Screw
❺801	808777	1	Cap-Drive
❺802	496813	1	Cap-End
❺803	690854	1	Housing-Starter
❺1051	691124	1	Ring-Lock



Assemblies include all parts shown in frames.

Replacement Starter Motor Assembly
Briggs and Stratton 303447-1319-E1

Ref	Part No.	Qty.	Description
❺309A		1	Motor-Starter (For Replacement Starter, See Ref. 309, Previous Page)
❺310A	690323	1	Bolt
❺311A	497608	1	Brush Set
❺413	693587	1	Nut
❺510	496881	1	Drive-Starter
❺544A	693548	1	Armature-Starter
❺697	692062	1	Screw
❺797	691029	1	Nut
❺797A	693167	1	Nut
❺801A	808778	1	Cap-Drive
❺802A	691286	1	Cap-End
❺803A	693547	1	Housing-Starter
❺1051	691124	1	Ring-Lock
❺1090	691293	1	Retainer-Brush

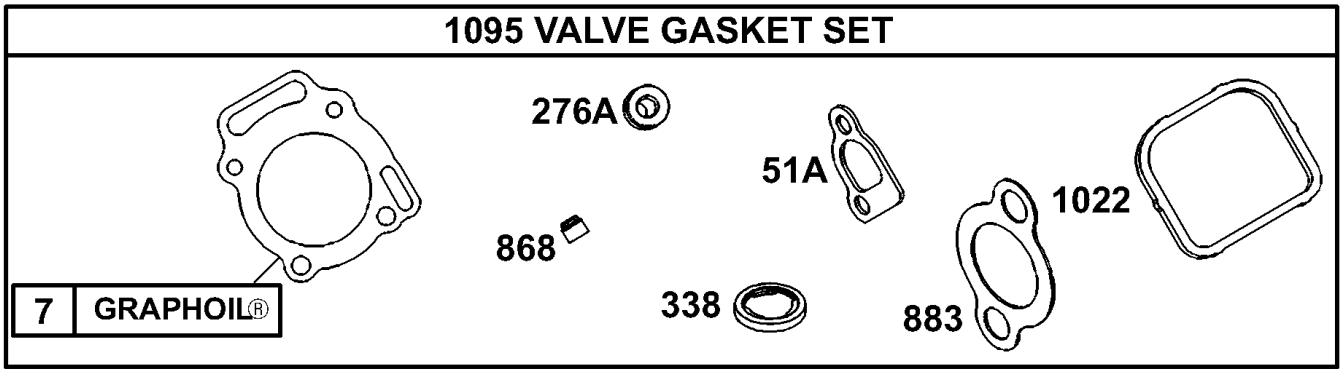


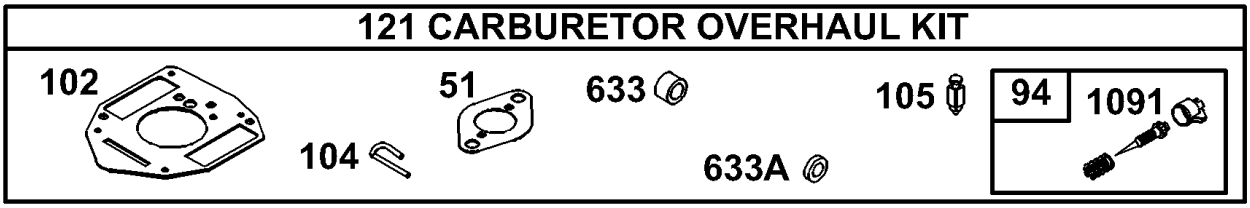
Assemblies include all parts shown in frames.

Engine Gasket Set
Briggs and Stratton 303447-1319-E1

Ref	Part No.	Qty.	Description
❷❺3	805101	1	Seal-Oil
❷❸7 ❺	806085	1	Gasket-Head, Cylinder
❷❺9	807893	1	Breather Gasket
❷❺12	691684	1	Gasket-Crankcase
❷❺20	805049	1	Seal-Oil
❷❹51 ❺	691694	1	Gasket-Intake
❷❸51A ❺	692035	1	Gasket-Intake
❷❺163	692081	1	Gasket-Cleaner, Air
❷❺273	690681	1	Seal-O Ring
❷❺276A ❺	691766	1	Washer-Sealing
❷❺338 ❺	691312	1	Gasket-Dipstick
❺358	808390	1	Engine Gasket Set
❺439	692154	1	Seal-O Ring
❷❺468	690690	1	Seal-O Ring
❷❺524	693172	1	Seal-Tube, Dipstick
❷❺691	690680	1	Seal-Shaft, Governor
❷❺868 ❺	691963	1	Seal-Valve
❷❺883 ❺	691613	1	Gasket-Exhaust
❷❺988	692063	1	Gasket-Adapter, Oil Filter

Ref	Part No.	Qty.	Description
❷❸1022 ❺	806039	1	Gasket-Cover, Rocker





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
❷❹7 ❺	806085	1	Gasket-Head, Cylinder
❷❹51 ❺	691694	1	Gasket-Intake
❷❸51A ❺	692035	1	Gasket-Intake
❹❺94	808257	1	Idle Mixture Kit
❹❺102	692077	1	Gasket-Body, Carburetor
❹❺104	690723	1	Pin-Hinge, Float
❹❺105	692078	1	Valve-Needle, Float
❺121	809023	1	Carburetor Overhaul Kit
❷❸276A ❺	691766	1	Washer-Sealing
❷❸338 ❺	691312	1	Gasket-Dipstick
❹❺633	806131	1	Seal-Shaft, Choke Throttle
❹❺633A	690722	1	Seal-Shaft, Choke Throttle
❷❸868 ❺	691963	1	Seal-Valve
❷❸883 ❺	691613	1	Gasket-Exhaust
❷❸1022 ❺	806039	1	Gasket-Cover, Rocker
❹❺1091	691516	1	Cap-Limiter
❺1095	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


TORO®