Form Number 3350-718

Twister® 1600 Utility Vehicle

Model No. 12004 - 240000001 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.

PROTOTYPE

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
CARR	carriage
DEG	degrees
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
HS	hex
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
PPH	phillips pan head
PTH	phillips truss head
PTO	power take off
RH	right hand
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
WH	wing head

PROTOTYPE

Footnotes

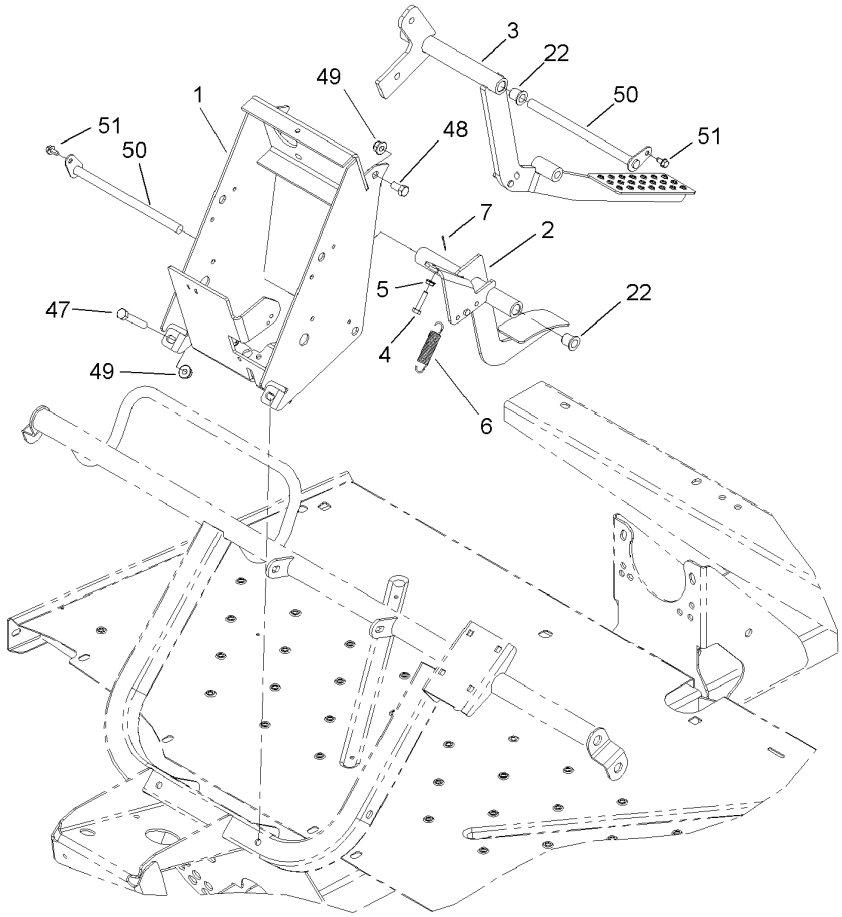
❶ Not illustrated

❷ Not serviced separately

❸ Included in Engine Gasket Set-Ref. 358.

❹ Included in Valve Gasket Set-Ref. 1095.

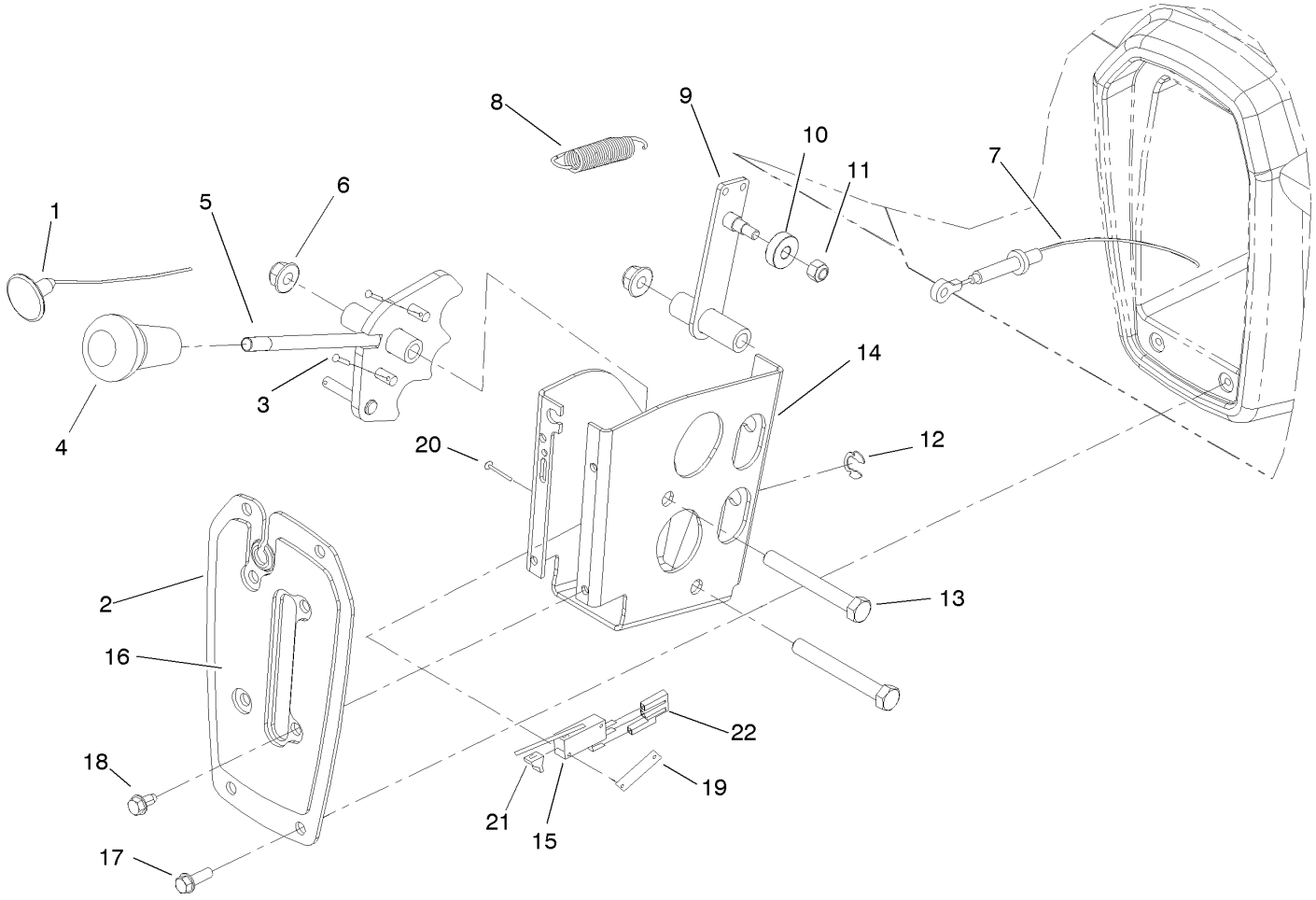
❺ Included in Carburetor Overhaul Kit-Ref. 121.



Pedal Assembly

Ref	Part No.	Qty.	Description
1	104-7160-03	1	Frame-Pedals
2	104-7165-03	1	Pedal-Throttle
3	104-7170-03	1	Pedal-Brake
4	321-7	1	Screw-HH
5	32149-2	1	Nut
6	104-6415	1	Spring-Return, Pedal
7	3272-4	1	Pin-Cotter
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-Pedals
51	12-3270	2	Screw

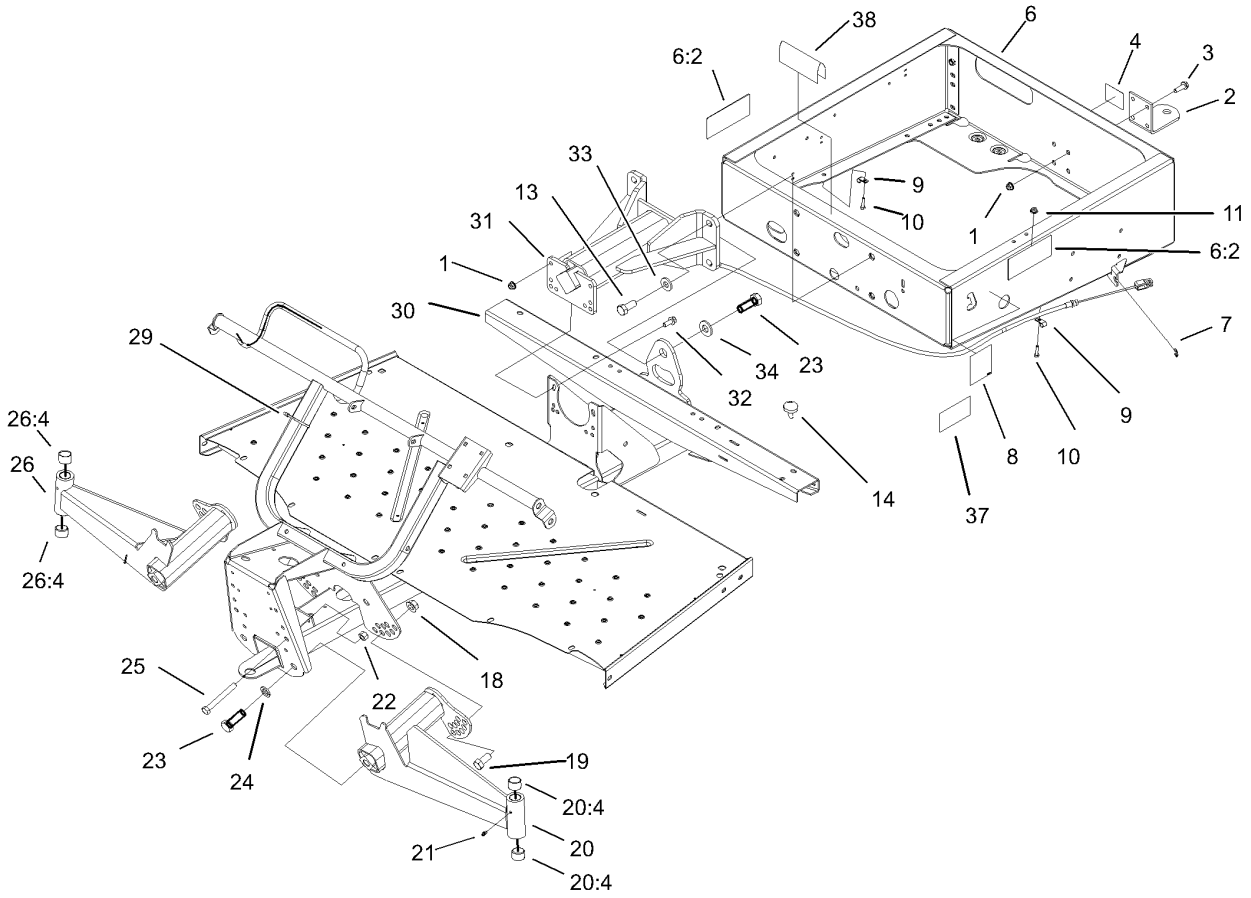
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Shifter Assembly

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	99-7879	1	Lever-Shifter
6	104-8301	2	Nut-Flange, NI
7	104-6896	2	Cable-Shift
8	104-6415	1	Spring-Return, Pedal
9	99-7176	1	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	104-6509-03	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

PROTOTYPE

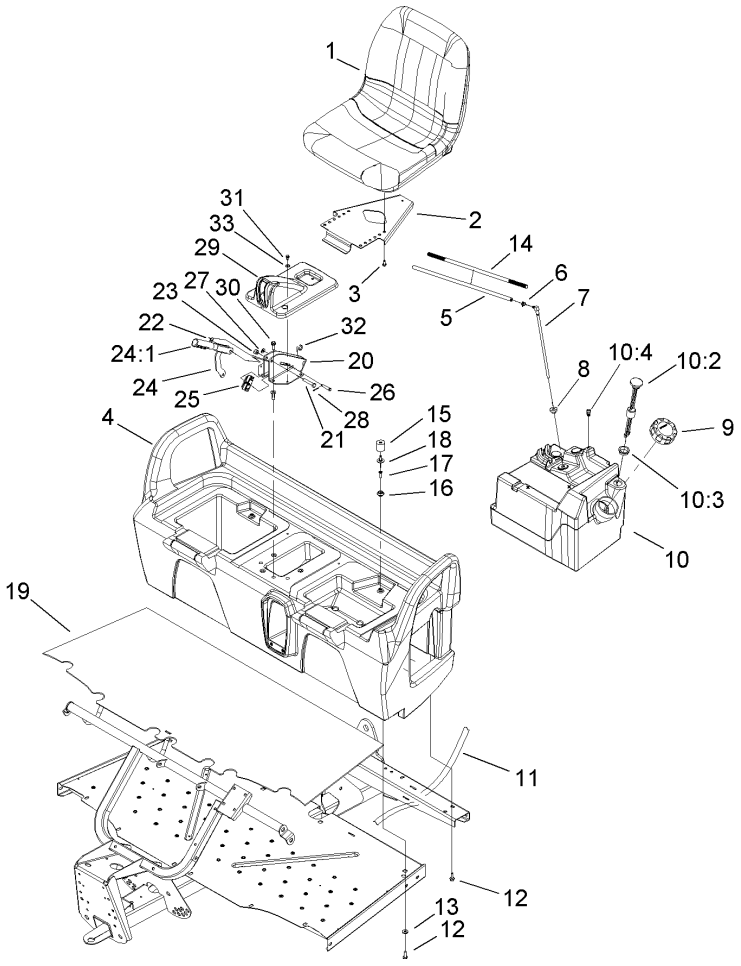


Frame Assembly

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-Information
6	99-7362	1	Rear Frame ASM
6:2	99-7345	2	Decal-Warning
7	32120-47	2	Ring-Retaining, External
8	99-7349	1	Decal-Information, Boxlatch
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-Flange
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

Ref	Part No.	Qty.	Description
29	3290-379	12	Tie-Cable
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

PROTOTYPE

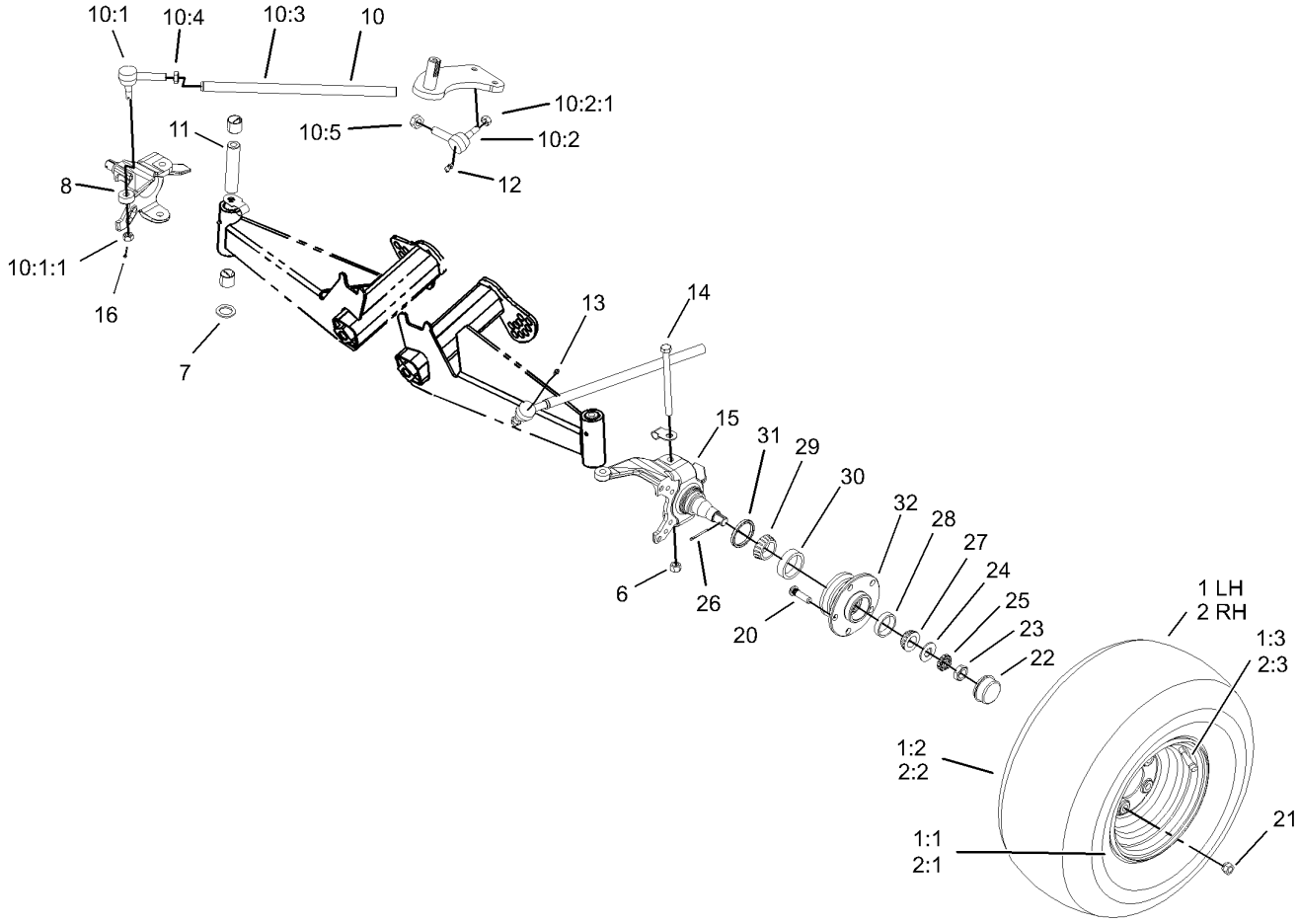


Seat Base Assembly

Ref	Part No.	Qty.	Description
1	106-6672	2	Seat
2	99-7829	2	Bracket-Seat
3	33114-016	8	Screw-HH
4	104-6847	1	Seat Base ASM
5	99-7187	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, 48in
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 ASM
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

PROTOTYPE

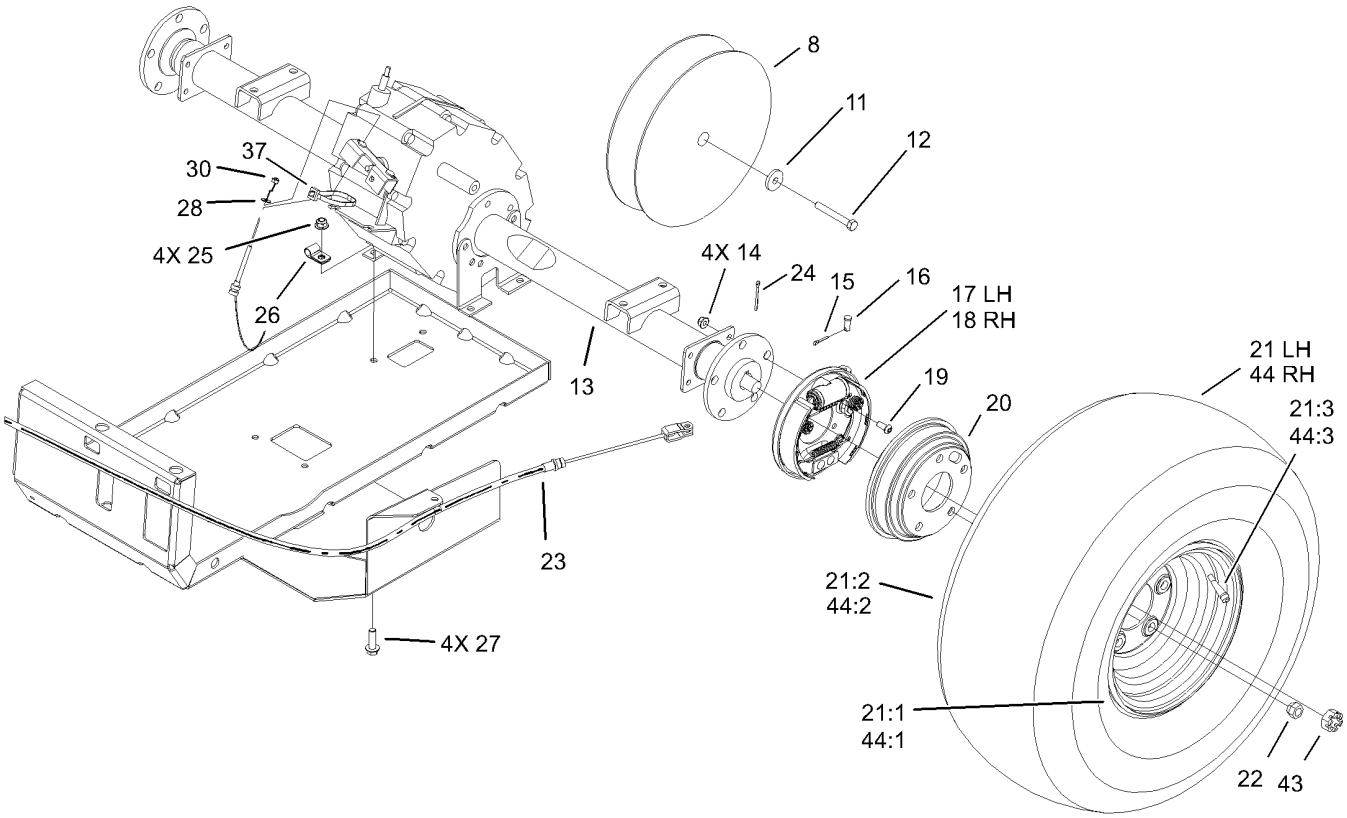


Front Tire and Steering Assembly

Ref	Part No.	Qty.	Description
❷1		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
❷2		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	104-6877-03	1	Spindle RH Disc
❷10		2	Tie Rod ASM
10:1	112772	1	Joint-Ball, RH
10:1:1	915031	1	Nut
10:2	112771	1	Joint-Ball, LH
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
13	302-5	2	Fitting-Grease
14	325-20	2	Screw-HH
15	104-6876-03	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	87-3590	2	Seal-Bearing
32	104-6809-03	2	Hub

PROTOTYPE

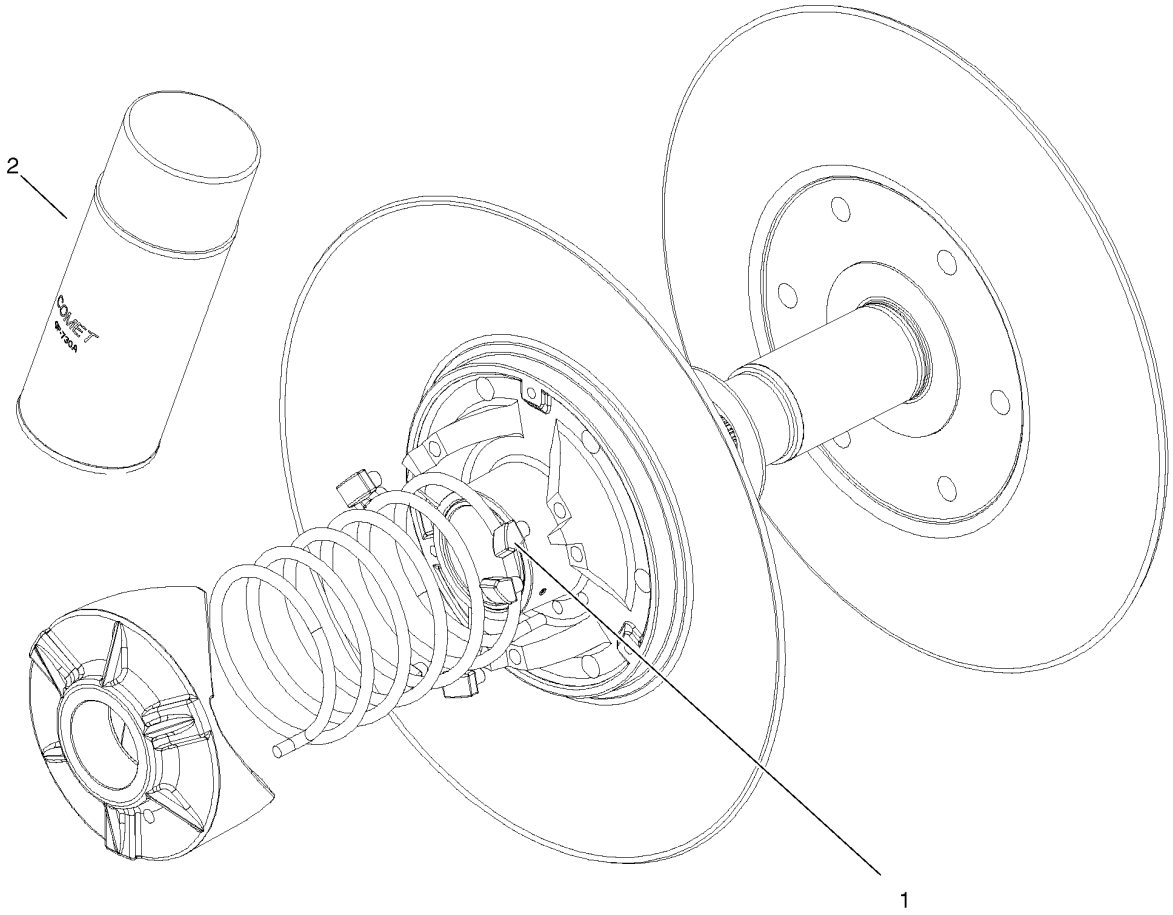


Rear Tire and Transaxle Assembly

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	104-6830	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
❷44		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

PROTOTYPE

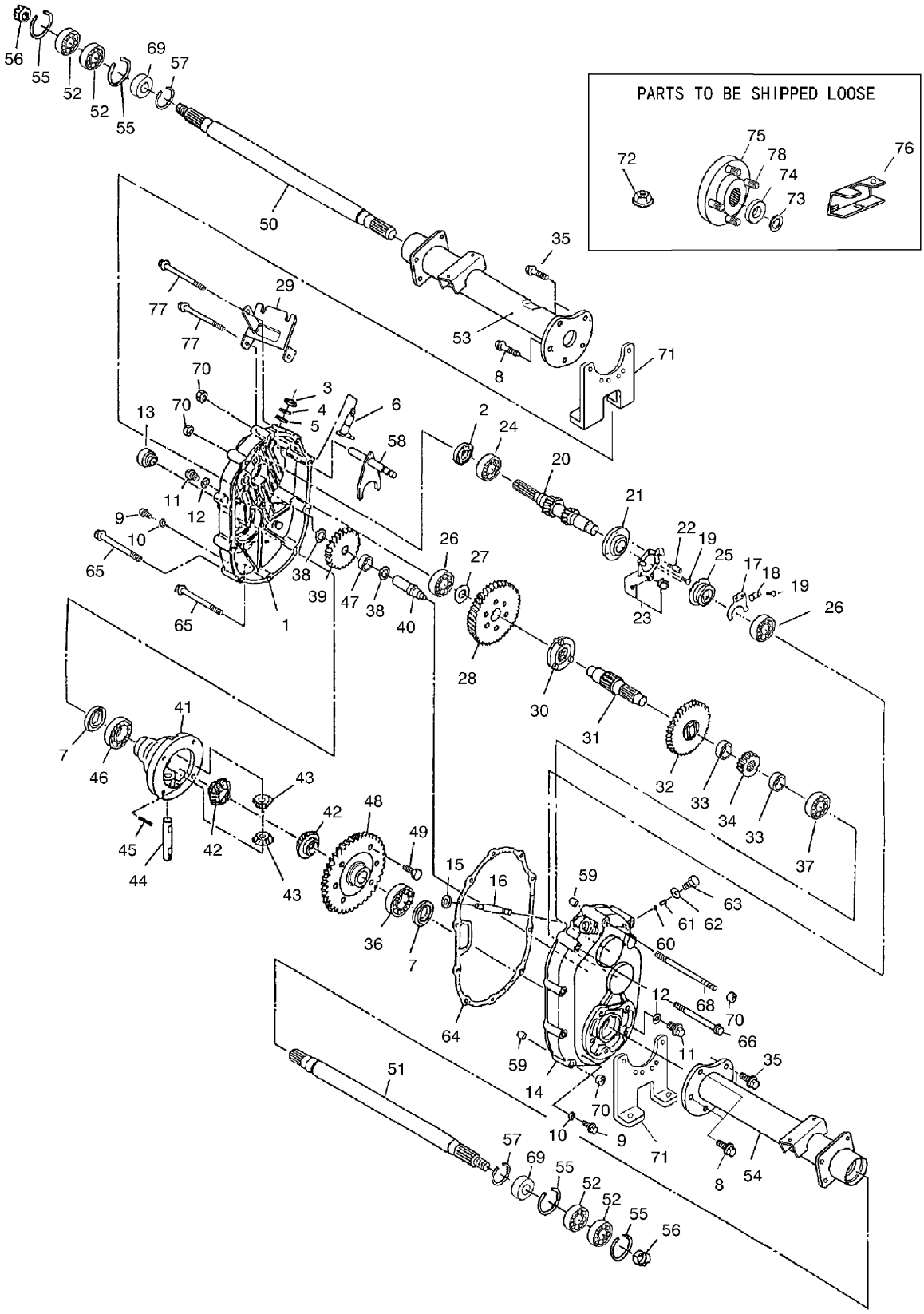


Driven Clutch Assembly No. 99-7104

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

PROTOTYPE

Transaxle Assembly No. 107-0360

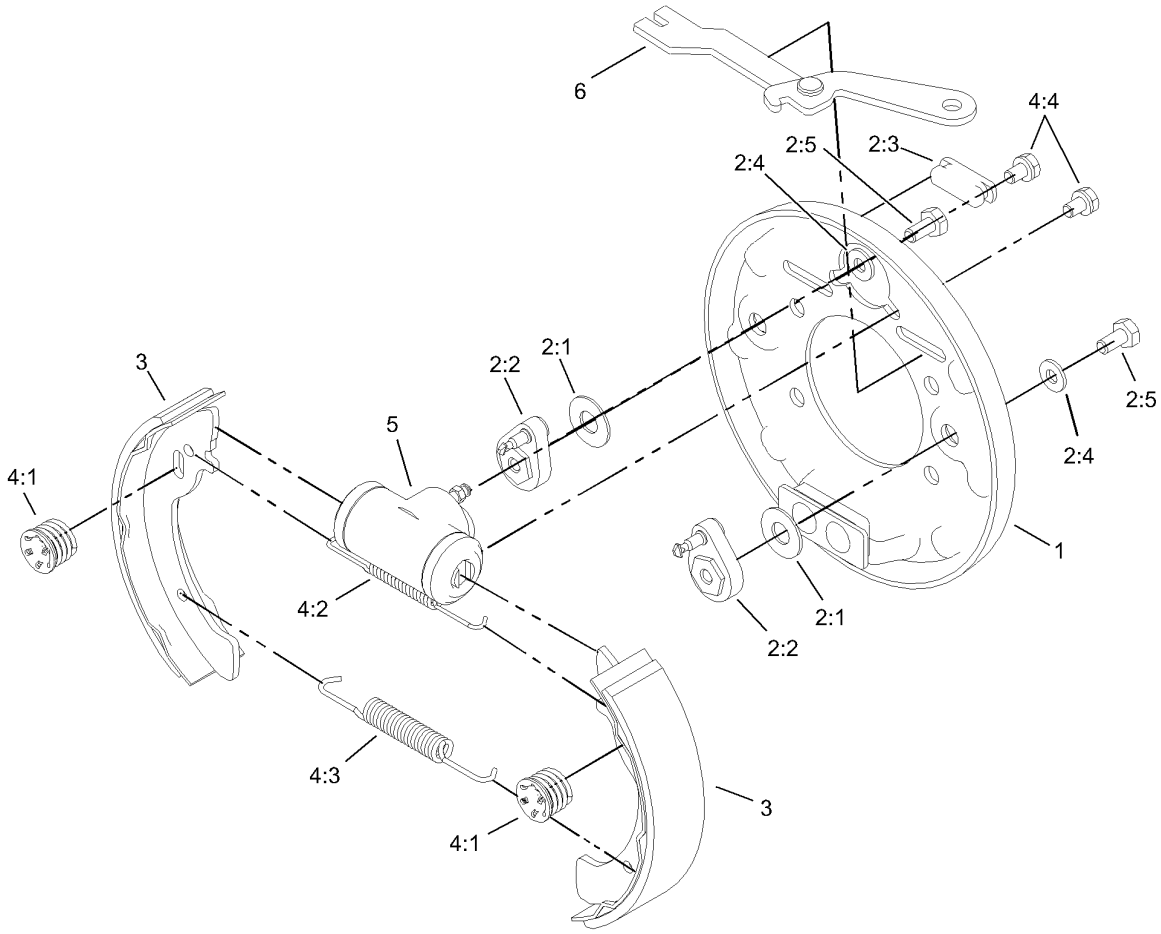


Transaxle Assembly No. 107-0360

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-47
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-34
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-62
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
60	104-1660	1	Ball-Steel
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

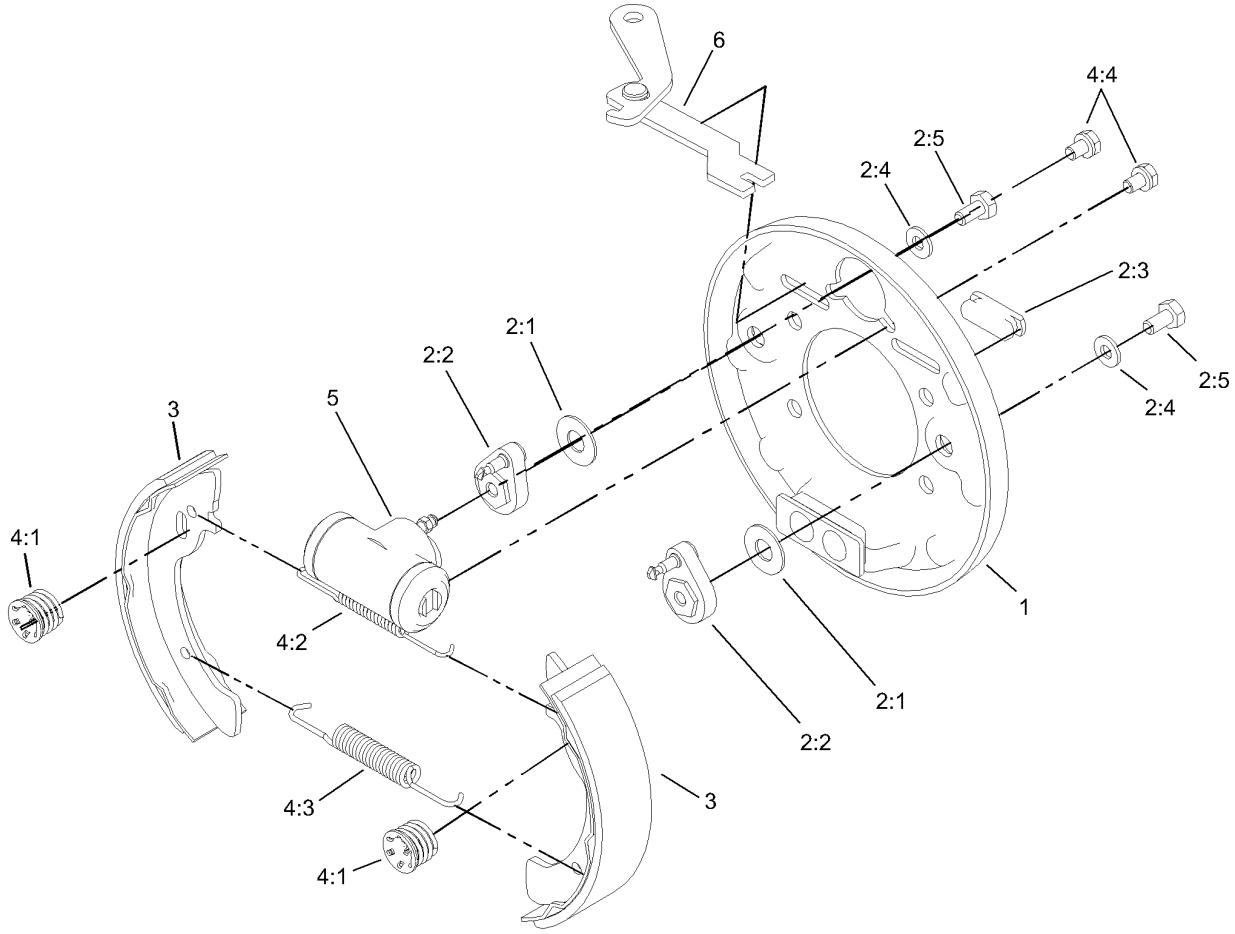
PROTOTYPE



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
❷2:4		2	Washer
❷2:5		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
❷4:4		2	Bolt & Washer
5	104-6824	1	Wheel Cylinder ASM
6	104-6825	1	LH Park Brake Lever ASM

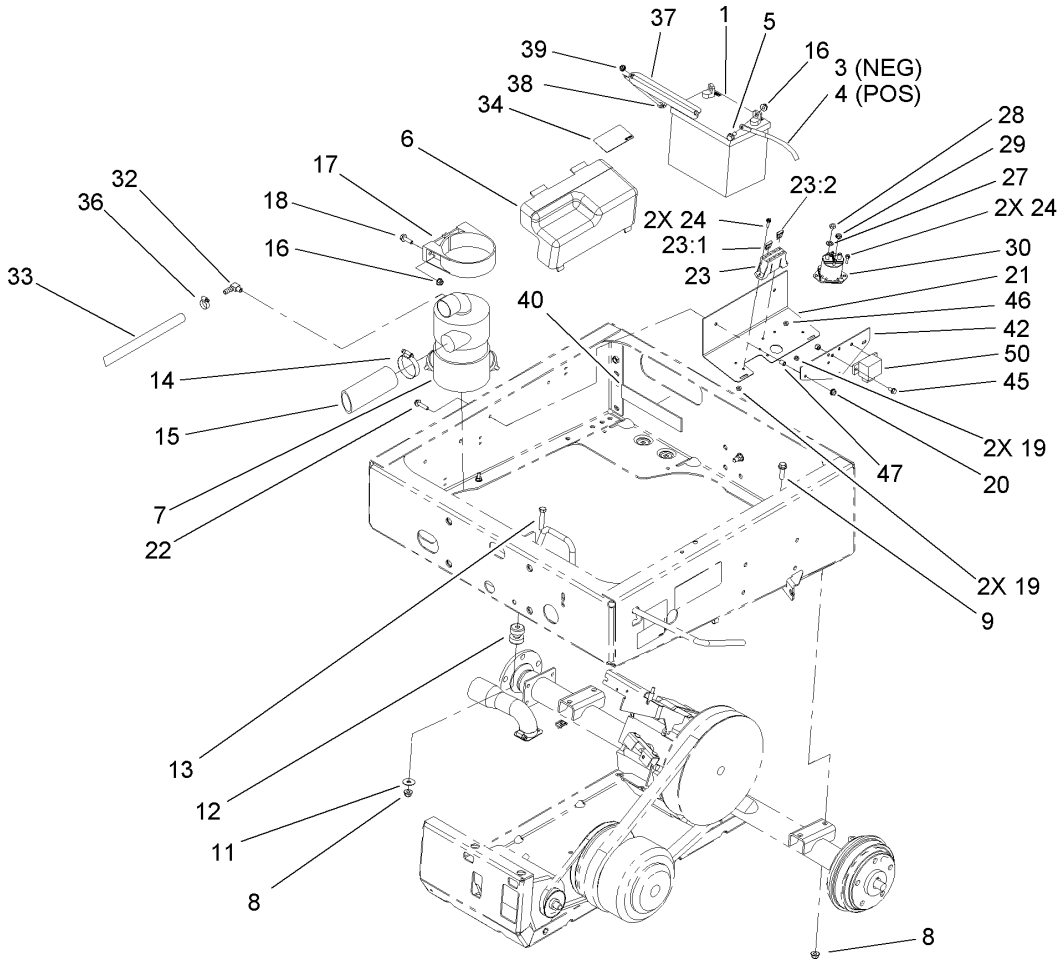
PROTOTYPE



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
❷2:4		2	Washer
❷2:5		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
❷4:4		2	Bolt & Washer
5	104-6824	1	Wheel Cylinder ASM
6	104-6826	1	RH Park Brake Lever ASM

PROTOTYPE

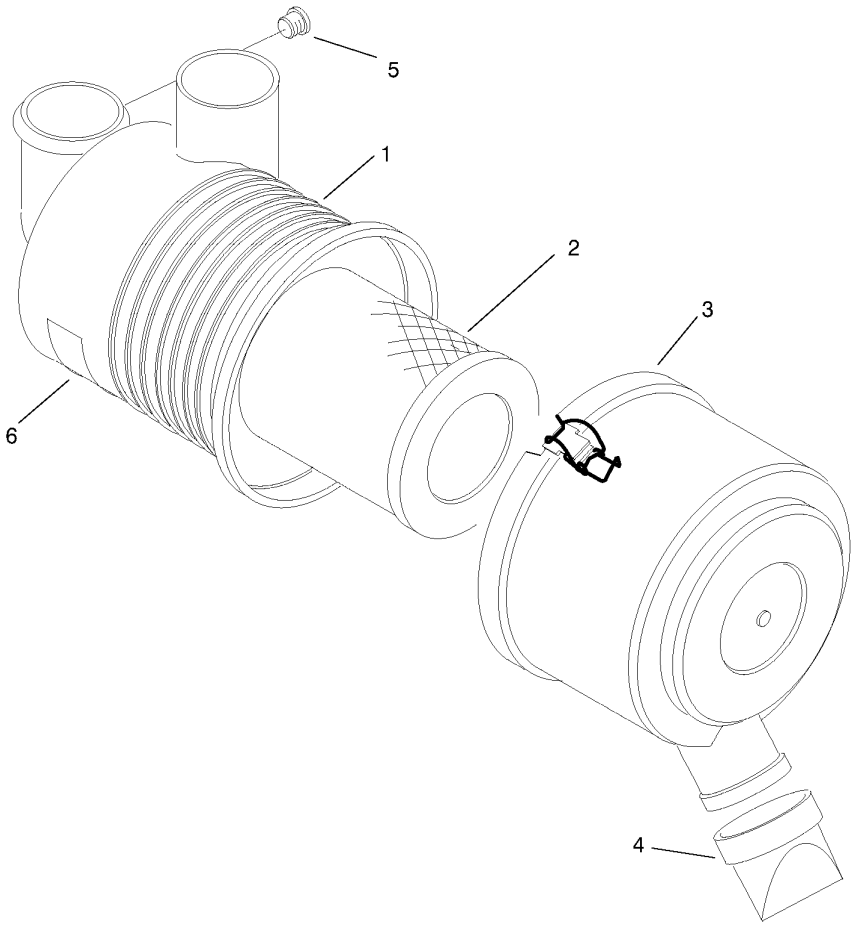


Drivetrain Mount Assembly

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
6	99-7325	1	Cover-Electrical
7	99-7120	1	Filter-Air
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
23:1	218-578	3	Fuse-10 Amp
23:2	109102	3	Fuse-25 Amp
24	32105-13	4	Screw-SHH

Ref	Part No.	Qty.	Description
27	3255-8	2	Washer-Lock
28	3218-2	2	Nut-Jam
29	32149-8	2	Nut-Keps
30	28-4210	1	Solenoid
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

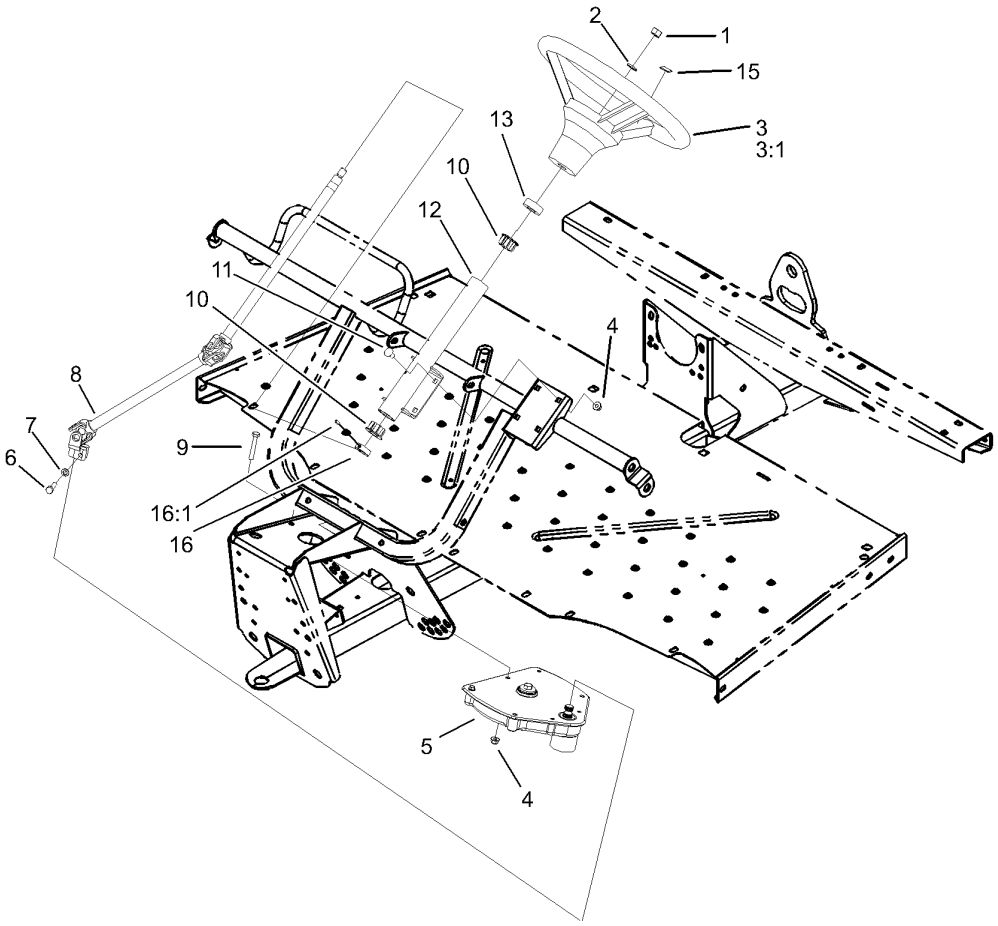
PROTOTYPE



Air Cleaner Assembly No. 99-7120

Ref	Part No.	Qty.	Description
❷1		1	Body
2	93-2195	1	Filter
3	94-3652	1	Cover ASM
4	87-9400	1	Valve-Vacuator
❷5		1	Plug
❷6		1	Marking

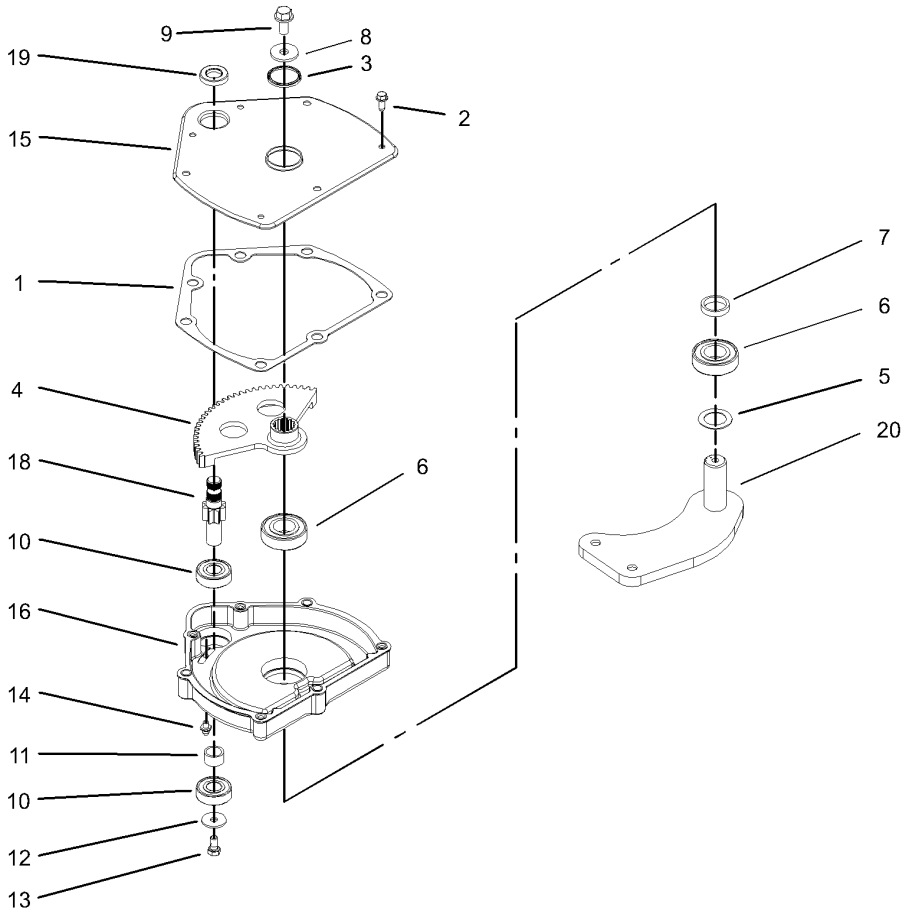
PROTOTYPE



Upper Steering Assembly

Ref	Part No.	Qty.	Description
1	3277-1	1	Nut-Hex
2	48-8070	1	Washer-Lock
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-Upper, Steering
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-HS

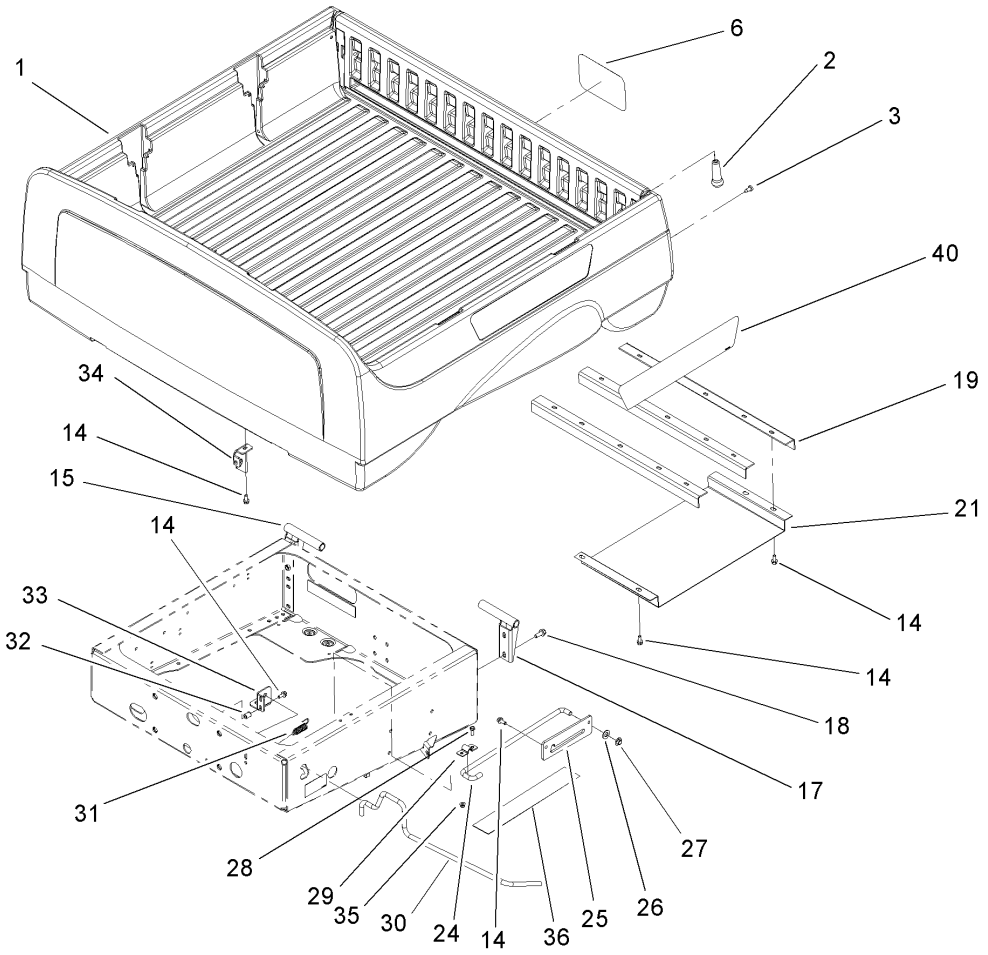
PROTOTYPE



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

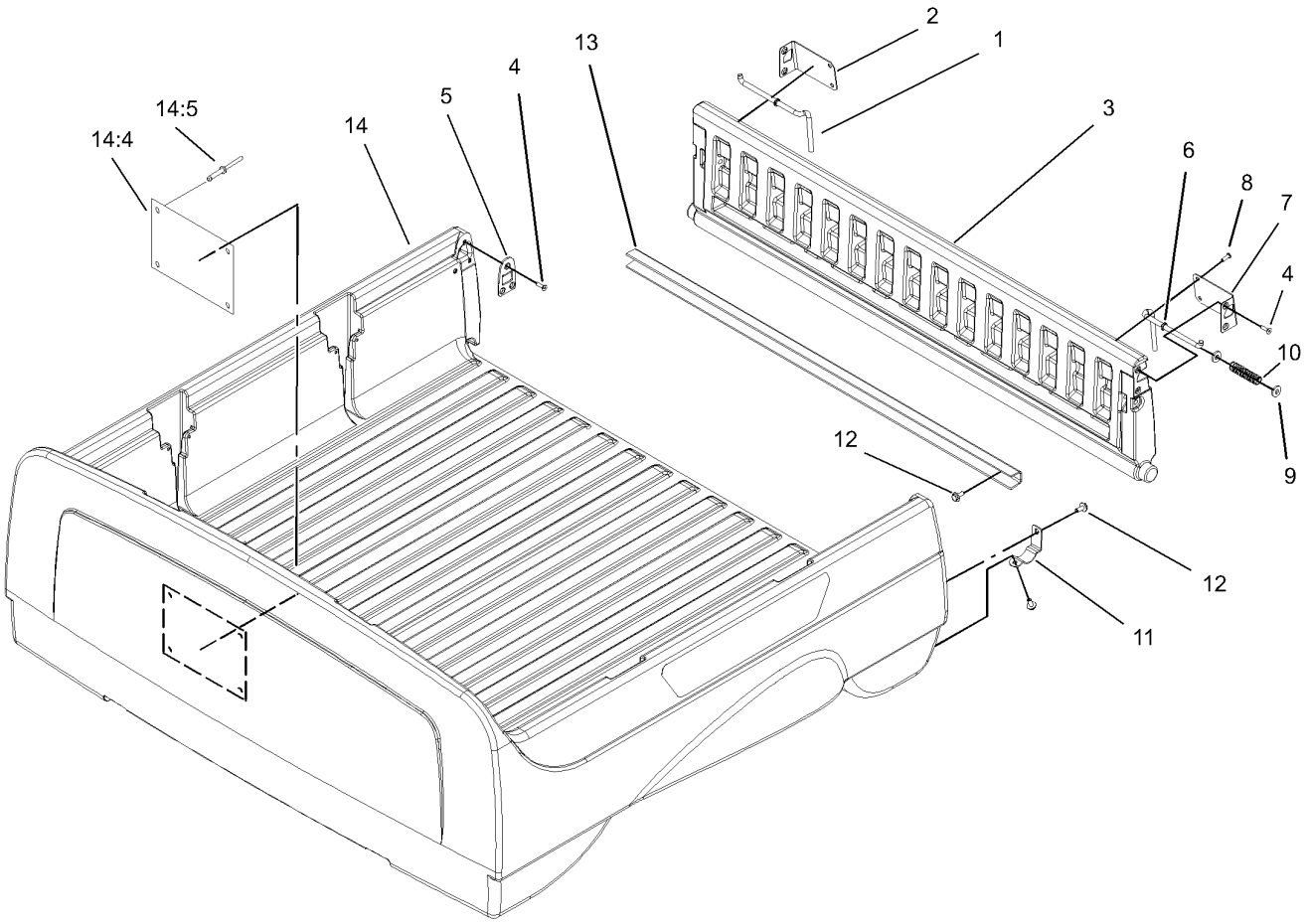
PROTOTYPE



Box and Tailgate Installation Assembly

Ref	Part No.	Qty.	Description
❷1		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
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	99-7745	1	Rod-Latch
31	5-7290	1	Spring-Tension
32	32148-7	2	Insert-Nut
33	99-7744-03	1	Bracket-Latch
34	99-7742-03	1	Hook-Latch, RH
35	104-8300	1	Nut-Flange, NI
36	104-6859	1	Shield-Heat
40	104-7266	2	Decal-Bed

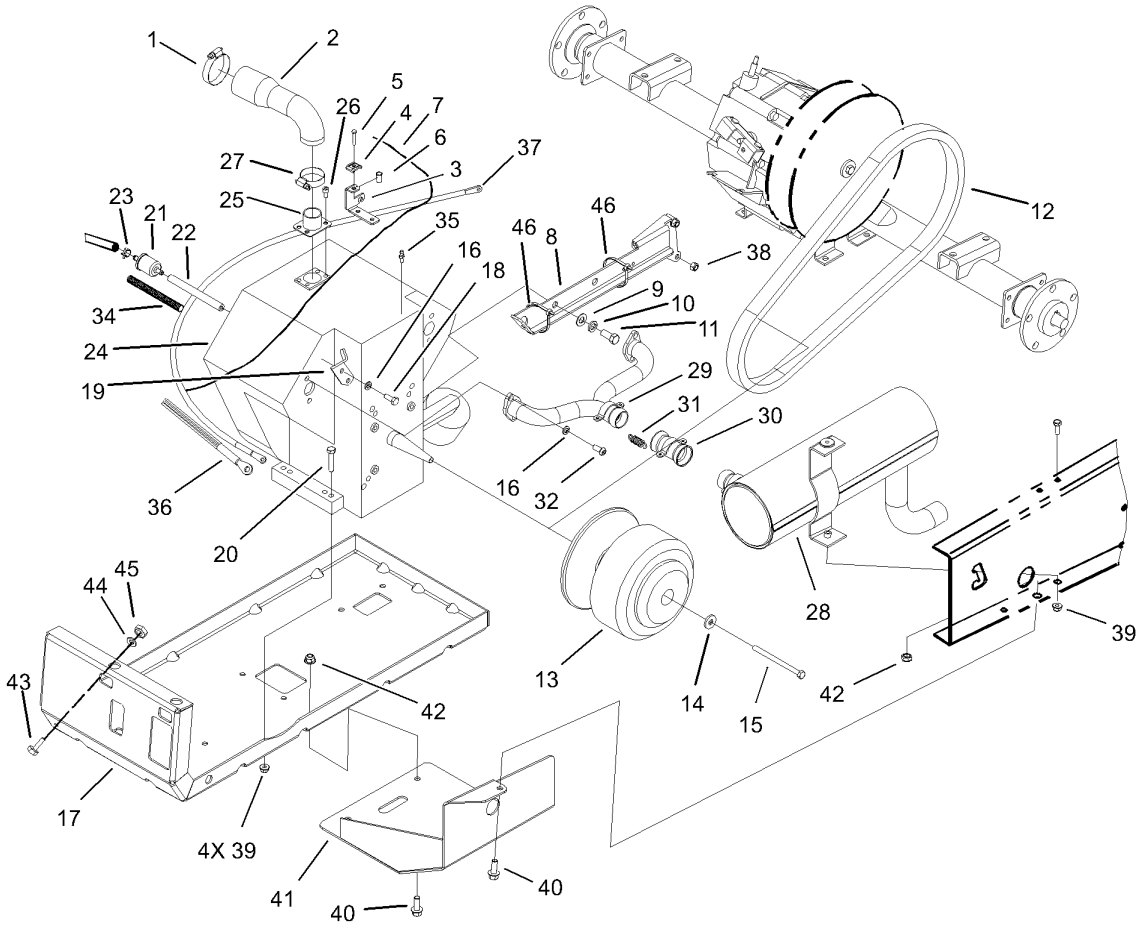
PROTOTYPE



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
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

PROTOTYPE

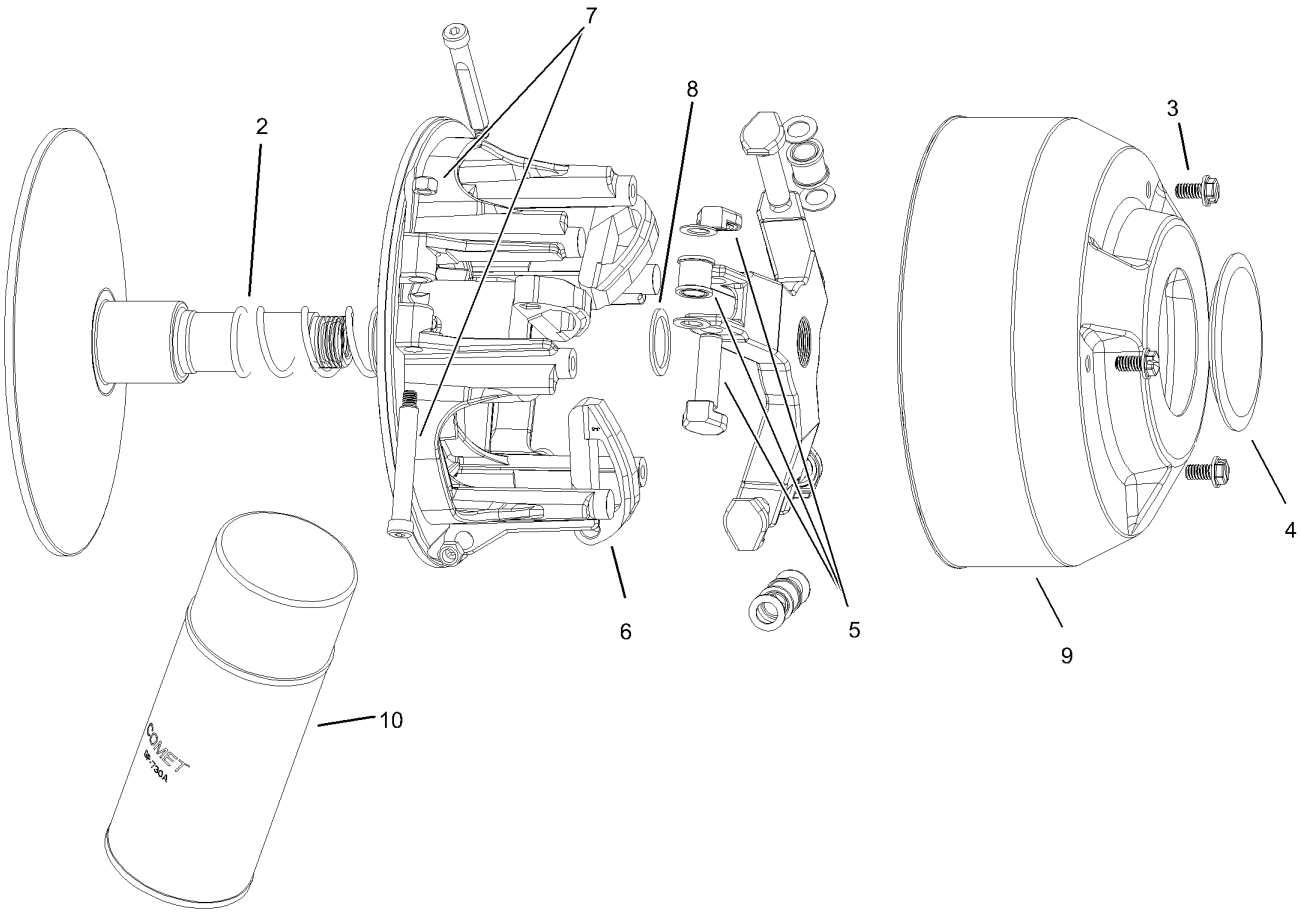


Engine and Clutch Assembly

Ref	Part No.	Qty.	Description
1	2412-130	1	Clamp-Hose
2	99-7106	1	Hose-Intake
3	99-7097	1	Bracket-Cable
4	81-1690	1	Clamp-Cable
5	3290-432	1	Screw-HH
6	32148-14	1	Insert-Threaded
7	104-7169	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	47-2966	1	Hose-Fuel
23	2412-98	3	Clamp
24	104-6649	1	Engine-B/s

Ref	Part No.	Qty.	Description
25	99-7083	1	Bracket-Intake
26	99-7202	4	Screw
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
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 Red 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

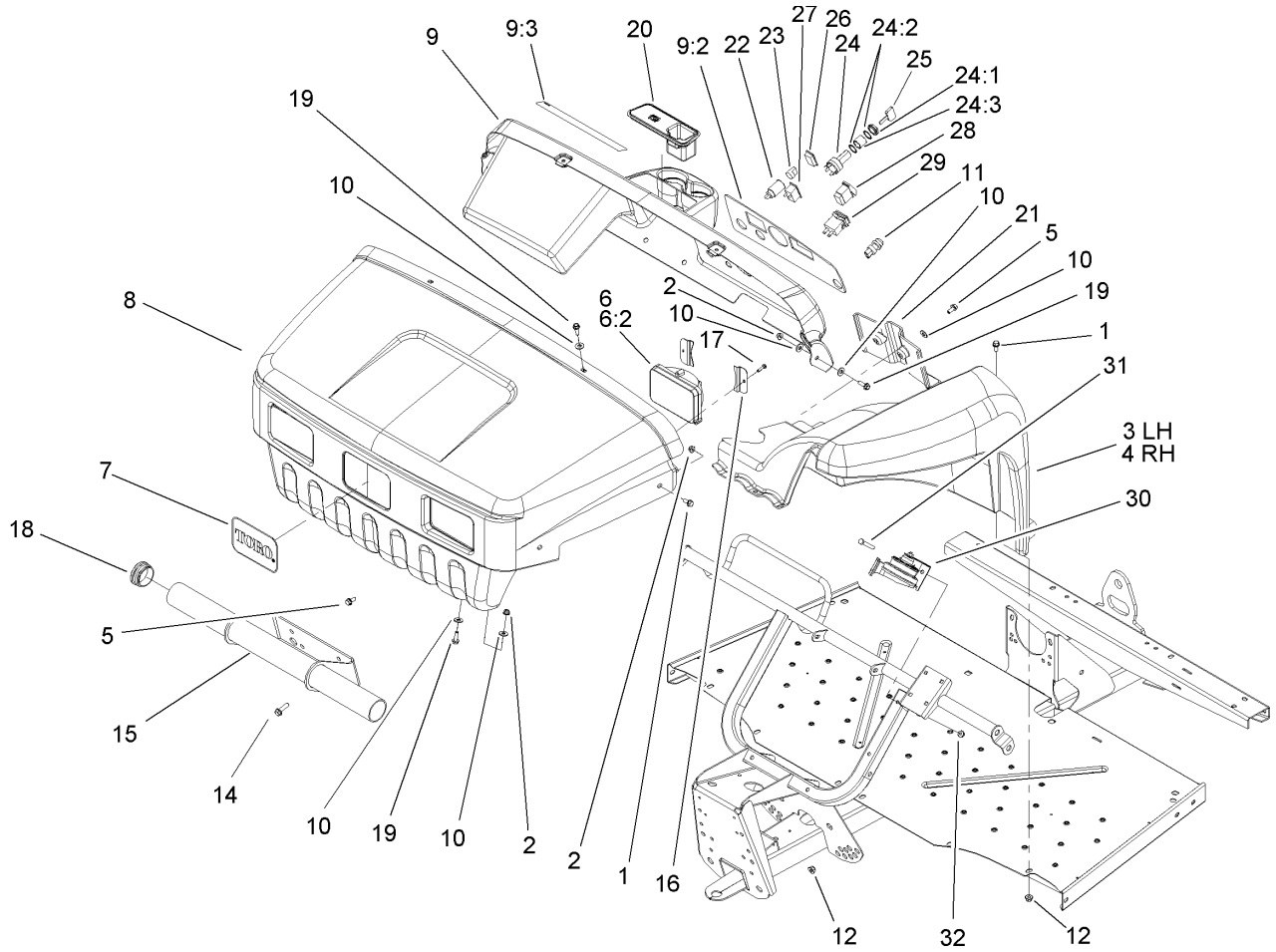
PROTOTYPE



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	104-1697	1	Spider Roller Kit
6	104-7141	1	Cam-Arm
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

PROTOTYPE

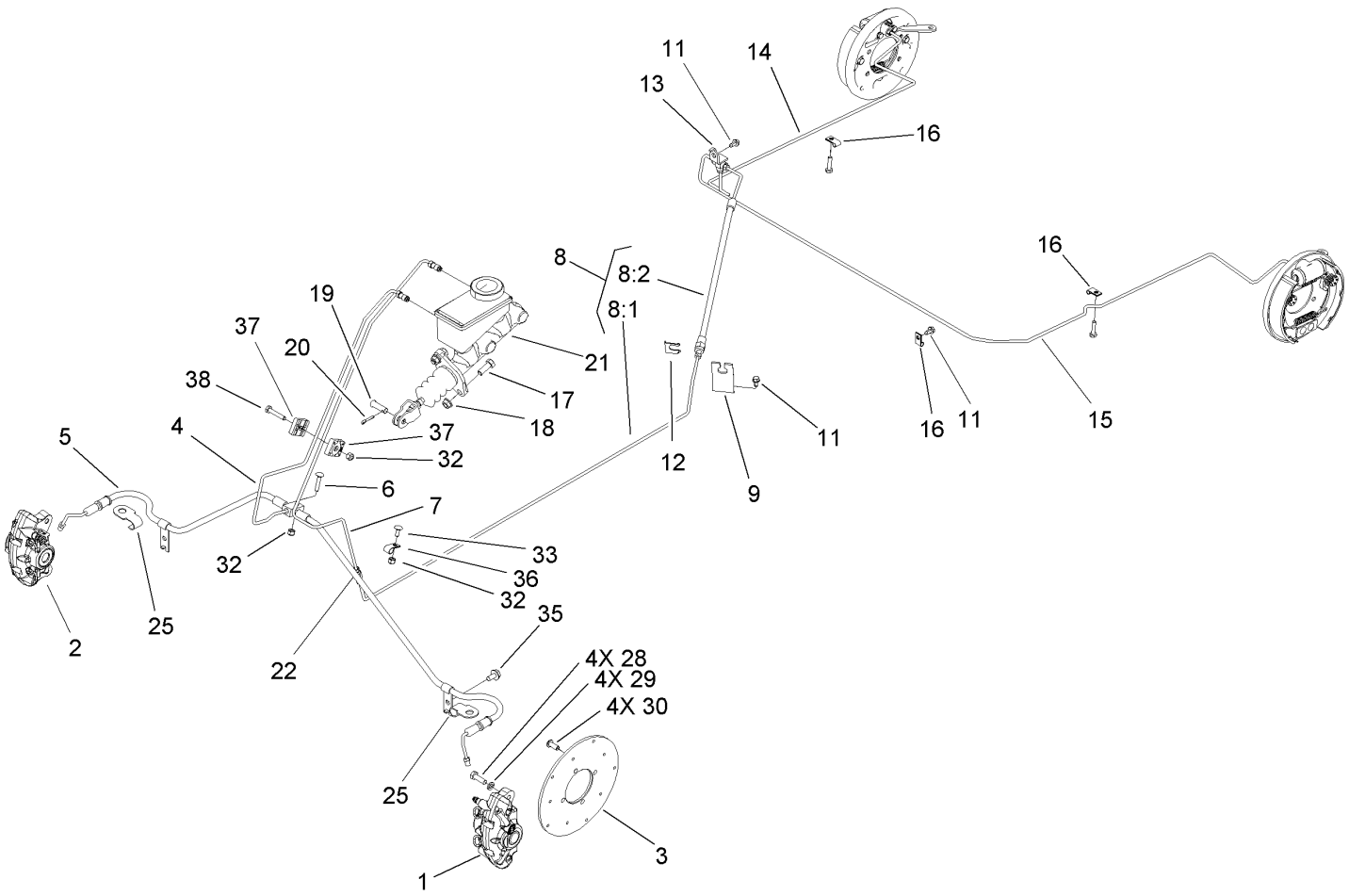


Hood and Fender Assembly

Ref	Part No.	Qty.	Description
1	3234-5	12	Screw
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
❶6:1	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, Dash, Vehicle
9:3	99-7344	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	Light-Oil
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

PROTOTYPE

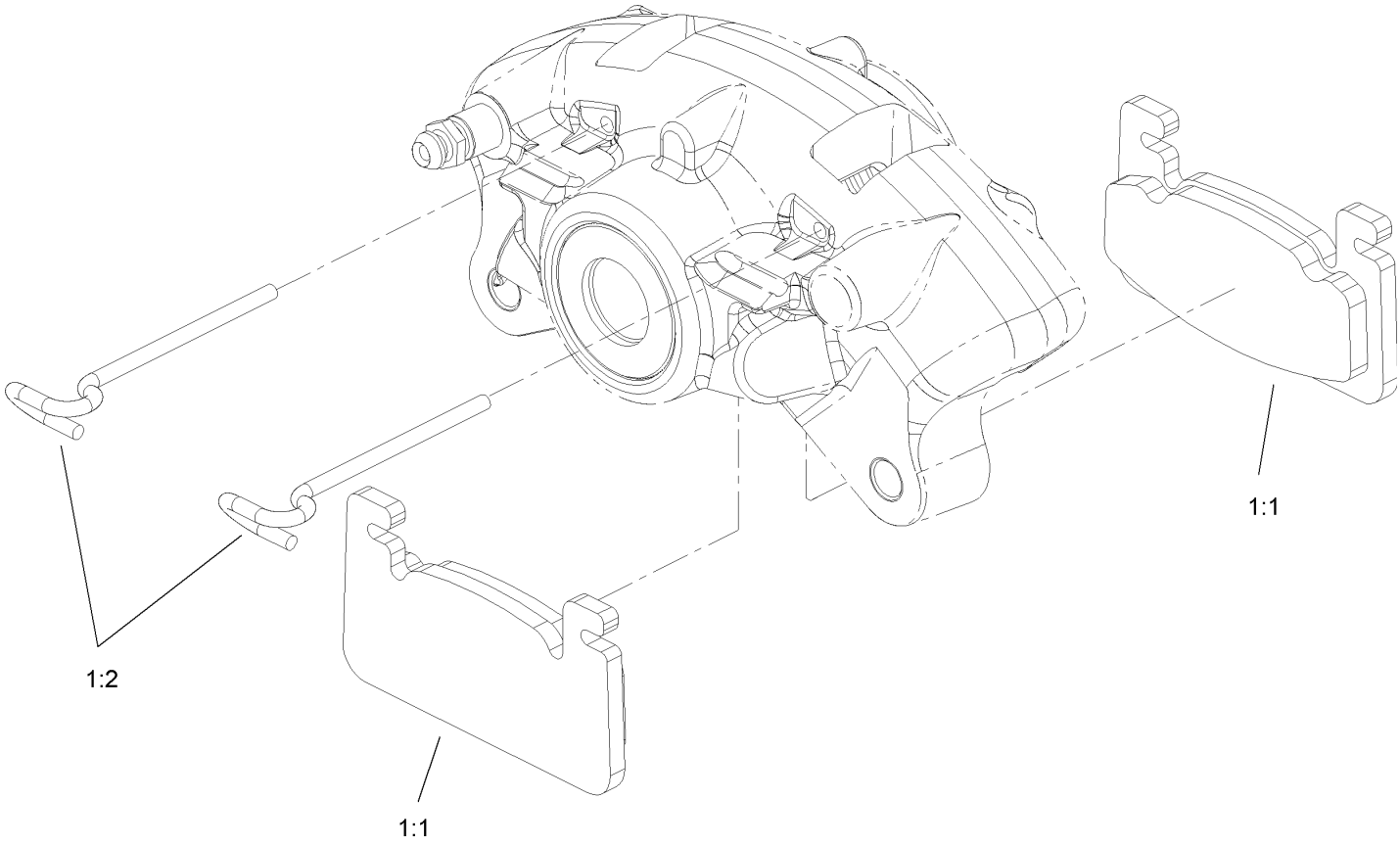


Hydraulic Brake Assembly

Ref	Part No.	Qty.	Description
1	107-0361	1	Caliper, LH
2	107-0362	1	Caliper, RH
3	104-6891	2	Rotor
4	104-6798	1	Tube-Front, Brake
5	104-7256	1	Hose Asm, Front
6	3229-3	1	Screw-CARR
7	104-6793	1	Tube-Brake, Rear
❷8		1	Complete 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	104-6797	1	Tube-Brake Rear, LH
16	2412-72	3	Clip-Closed, Insulated
17	323-6	2	Screw-HH
18	3290-357	2	Nut-HHF
19	283-2	1	Pin-Clevis
20	3272-10	1	Pin-Cotter
21	104-6782	1	Cylinder-Master
22	87-3570	1	Union
25	104-7073	2	Bracket-Hose

Ref	Part No.	Qty.	Description
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-HWH
36	2412-89	1	Clamp
37	87-7660	2	Clamp-Tube
38	321-9	1	Screw-HH

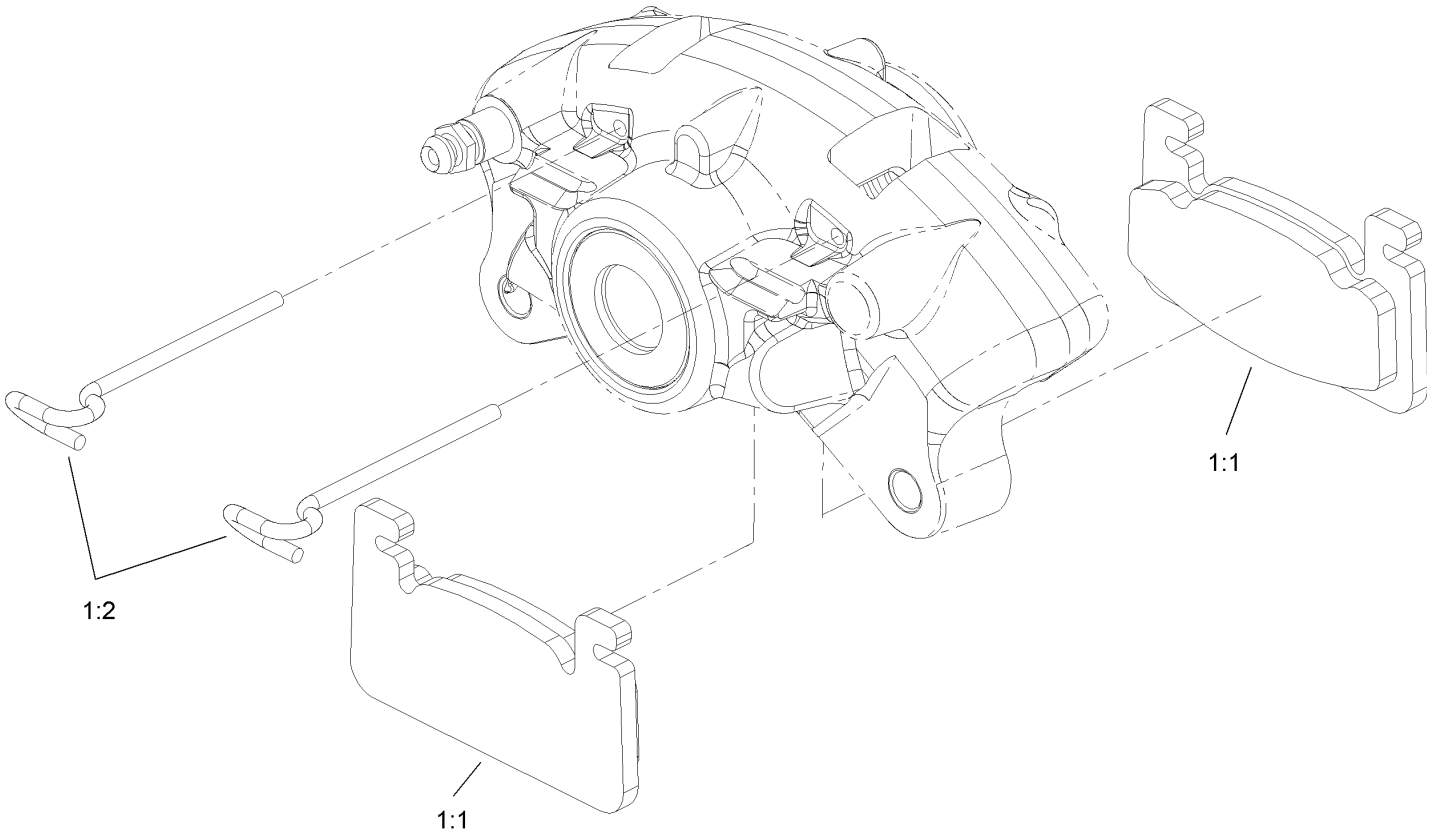
PROTOTYPE



Left Hand Caliper Assembly No. 107-0361

Ref	Part No.	Qty.	Description
1	107-0708	1	Friction Pad And Pin Kit
❷1:1		2	Brake Pad ASM
❷1:2		2	Pin

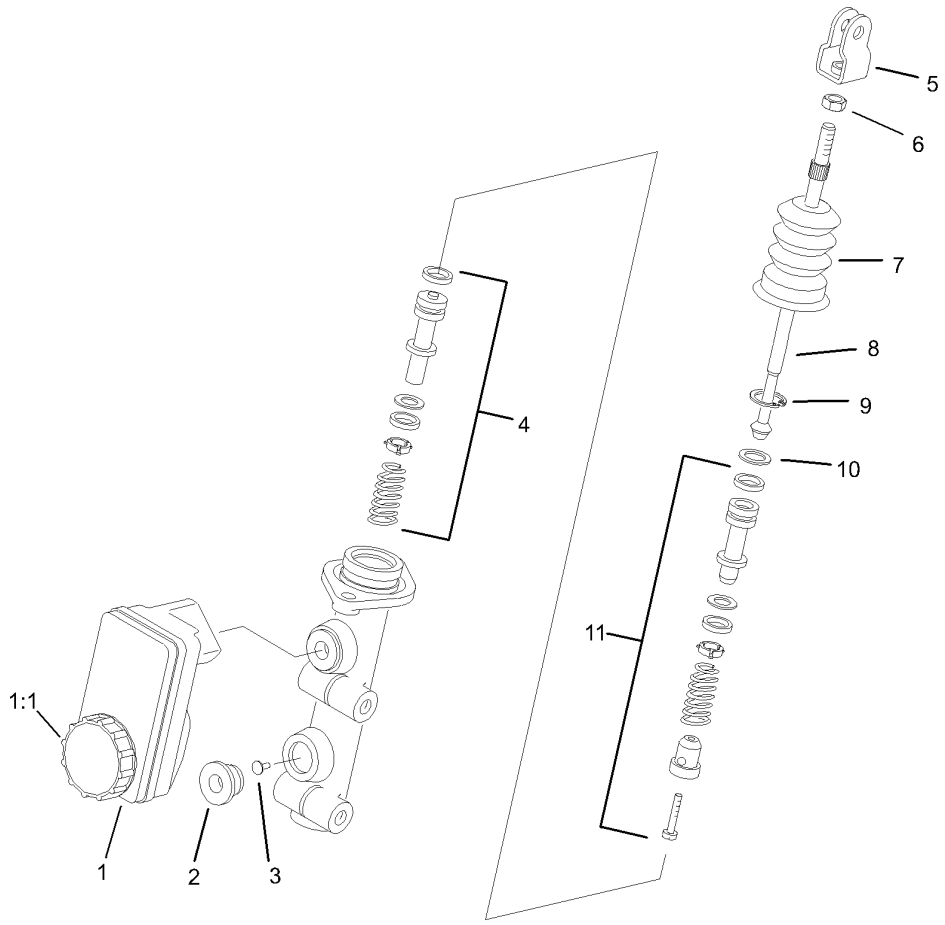
PROTOTYPE



Right Hand Caliper Assembly No. 107-0362

Ref	Part No.	Qty.	Description
1	107-0708	1	Friction Pad And Pin Kit
❷1:1		2	Brake Pad ASM
❷1:2		2	Pin

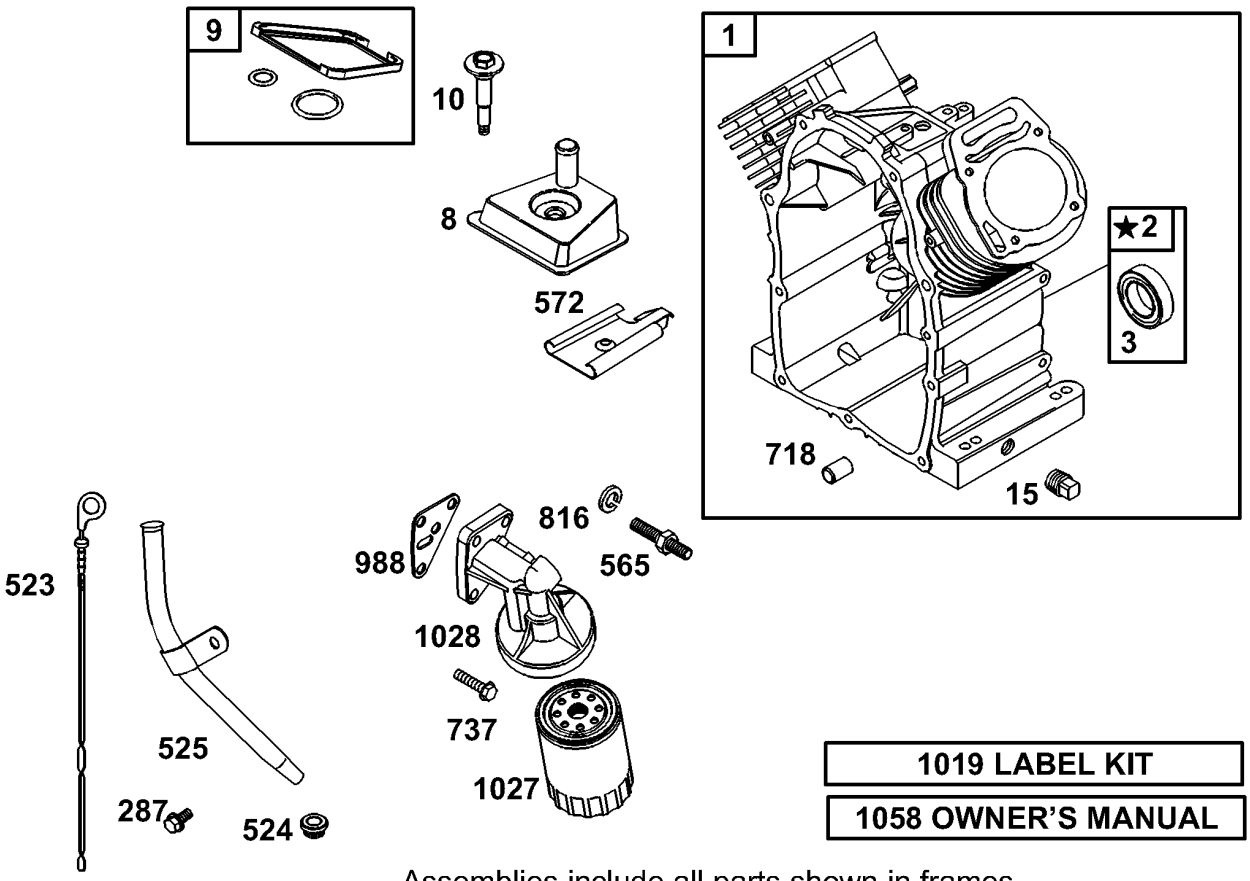
PROTOTYPE



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	Circlip
10	92-4108	1	Retainer-Washer
11	92-4101	1	Primary Piston ASM

PROTOTYPE

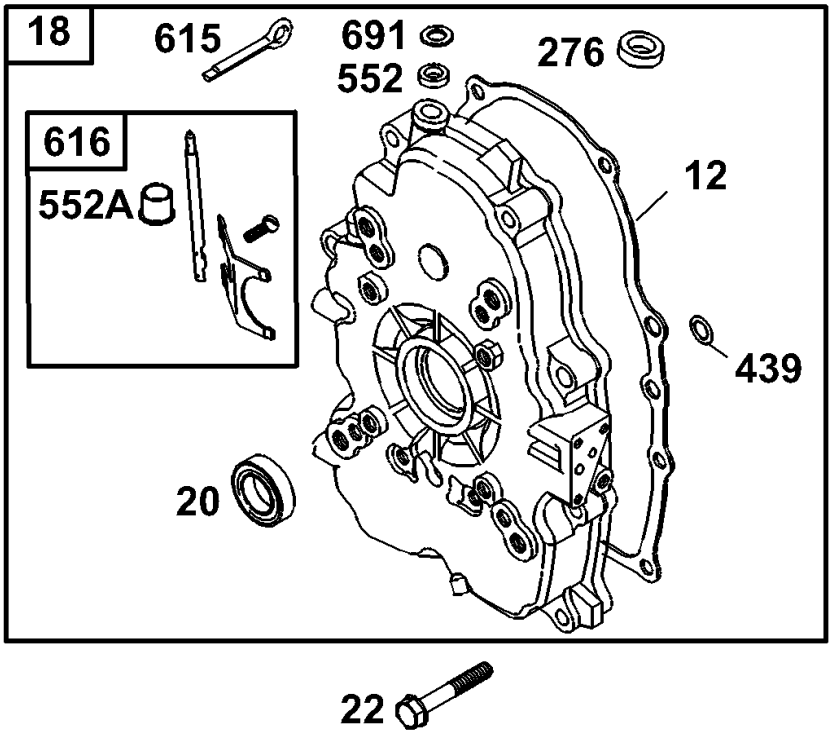


Assemblies include all parts shown in frames.

Cylinder, Oil Filter and Dipstick Assembly

Ref	Part No.	Qty.	Description
1	692178	1	Cylinder ASM
2	808534	1	Bushing/seal Kit (Magneto Side)
❸3	805101	1	Seal–oil (Magneto Side)
8	808984	1	Breather ASM
❸9	807893	1	Breather Gasket
10	690751	1	Screw (Breather Asm)
15	690946	1	Plug–drain, Oil
287	692062	1	Screw (Dipstick Tube)
523	693175	1	Dipstick
❸524	693172	1	Seal–tube, Dipstick
525	693173	1	Tube–dipstick
565	690682	1	Stud (Oil Filter Adapter)
572	690686	1	Baffle–breather
718	690684	1	Pin–locating
737	690679	1	Screw (Oil Filter Adapter)
816	690706	1	Washer (Oil Filter Adapter)
❸988	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)

PROTOTYPE

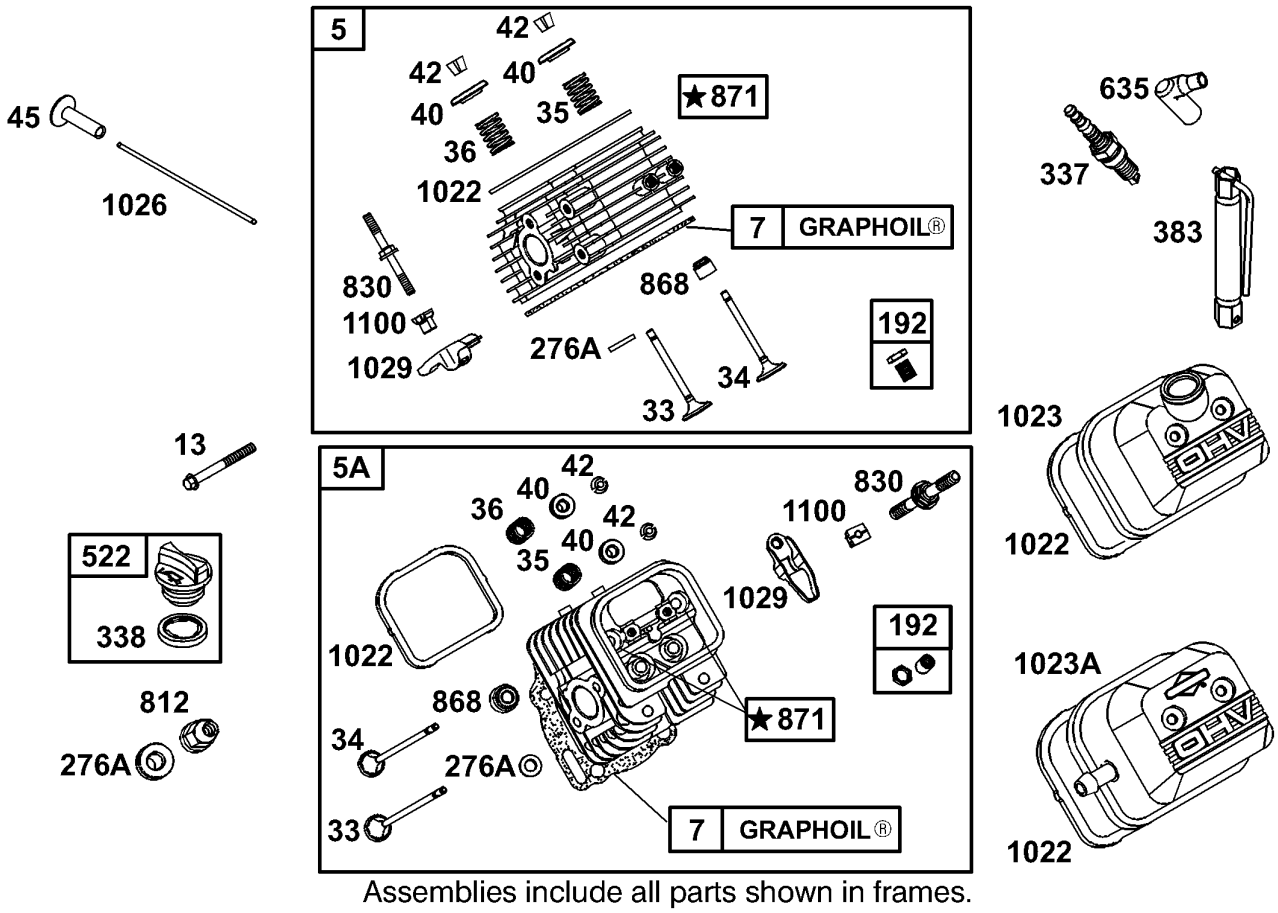


Assemblies include all parts shown in frames.

Crankcase Assembly

Ref	Part No.	Qty.	Description
❸12	691684	1	Gasket–crankcase
18	808847	1	Cover–crankcase
❸20	805049	1	Seal–oil (Pto Side)
22	692540	1	Screw (Crankcase Cover)
276	690704	1	Washer–sealing
❸439	692154	1	Seal–o Ring (Crankcase Cover)
552	690701	1	Bushing–crank, Governor
552A	806686	1	Bushing–crank, Governor
615	691550	1	Retainer–shaft, Governor
616	806685	1	Crank–governor
❸691	690680	1	Seal–shaft, Governor

PROTOTYPE



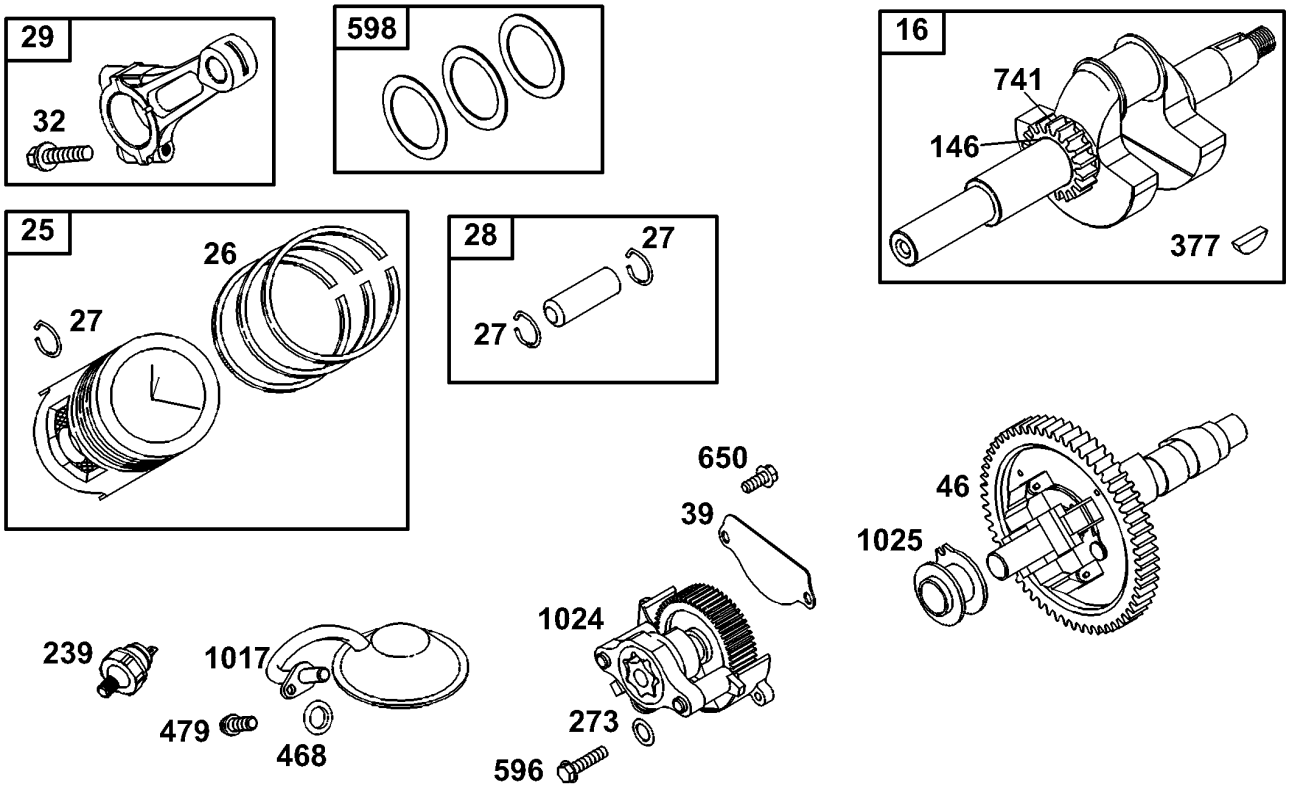
Assemblies include all parts shown in frames.

Cylinder Head and Cover Assembly

Ref	Part No.	Qty.	Description
5	808381	1	Head-Cylinder (Cylinder No. 1)
5A	808382	1	Head-Cylinder (Cylinder No. 2)
❸❹7	806085	1	Gasket–head, Cylinder
13	692059	1	Screw (Cylinder Head)
33	807681	1	Valve–exhaust
34	807680	1	Valve–intake
35	692084	1	Spring–valve (Intake)
36	692084	1	Spring–valve (Intake)
40	692058	1	Retainer–valve
42	807683	1	Keeper–valve
45	690977	1	Valve Tappet
192	807623	1	Adjuster–arm, Rocker
❸❹276A	691766	1	Sealing Washer
337	491055	1	Plug–spark
❸❹338	691312	1	Gasket–dipstick
383	19374	1	Spark Plug Wrench
522	491832	1	Plug–dipstick/fill
635	692076	1	Spark Plug Boot
812	692055	1	Nut (Air Cleaner)
830	691544	1	Stud-Rocker Arm
❸❹868	691963	1	Seal–valve
871	692057	1	Bushing–guide, Valve
❸❹1022	806039	1	Gasket–cover, Rocker
1023	690758	1	Cover–valve

Ref	Part No.	Qty.	Description
1023A	691558	1	Cover–valve
1026	691836	1	Rod–push (Intake)
	691758	1	Rod–push (Exhaust)
1029	691543	1	Arm-Rocker
1100	690973	1	Pivot–arm, Rocker

PROTOTYPE



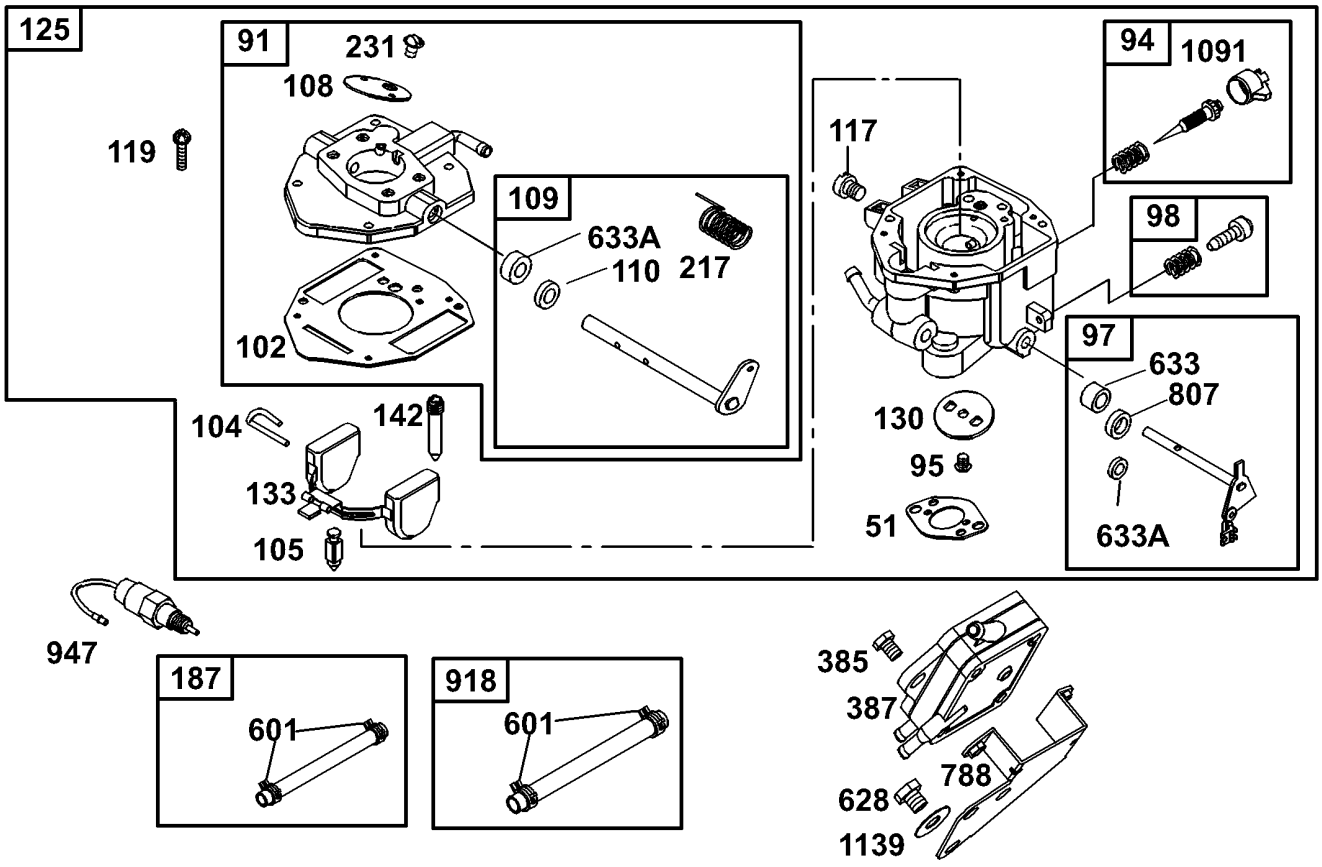
Assemblies include all parts shown in frames.

Crankshaft, Piston and Oil Pump Assembly

Ref	Part No.	Qty.	Description
16	692163	1	Crankshaft
25	807619	1	Piston ASM (Standard)
	807807	1	Piston ASM (.010 Oversize)
	807809	1	Piston ASM (.020 Oversize)
	807811	1	Piston ASM (.030 Oversize)
26	807620	1	Ring Set (Standard)
	807808	1	Ring Set (.010 Oversize)
	807810	1	Ring Set (.020 Oversize)
	807812	1	Ring Set (.030 Oversize)
27	690683	1	Lock–pin, Piston
28	807621	1	Pin–piston
29	807900	1	Rod–connecting (Standard)
	807809	1	Piston ASM (.020 Oversize)
32	690698	1	Screw (Connecting Rod)
39	690745	1	Deflector–oil
46	691557	1	Camshaft
146	691639	1	Key–timing
239	690233	1	Switch–pressure, Oil
❸273	690681	1	Seal–o Ring (Oil Pump)
377	808095	1	Key–woodruff
❸468	690690	1	Seal–o Ring (Oil Pump Screen)
479	692537	1	Screw (Oil Pump Screen)
596	691492	1	Screw (Oil Pump)
598	807625	1	Shim–play, End

Ref	Part No.	Qty.	Description
650	692539	1	Screw (Cylinder Head Cover)
741	691530	1	Gear–timing
1017	690900	1	Screen–pump, Oil
1024	693185	1	Pump–oil
1025	690689	1	Spool–governor

PROTOTYPE



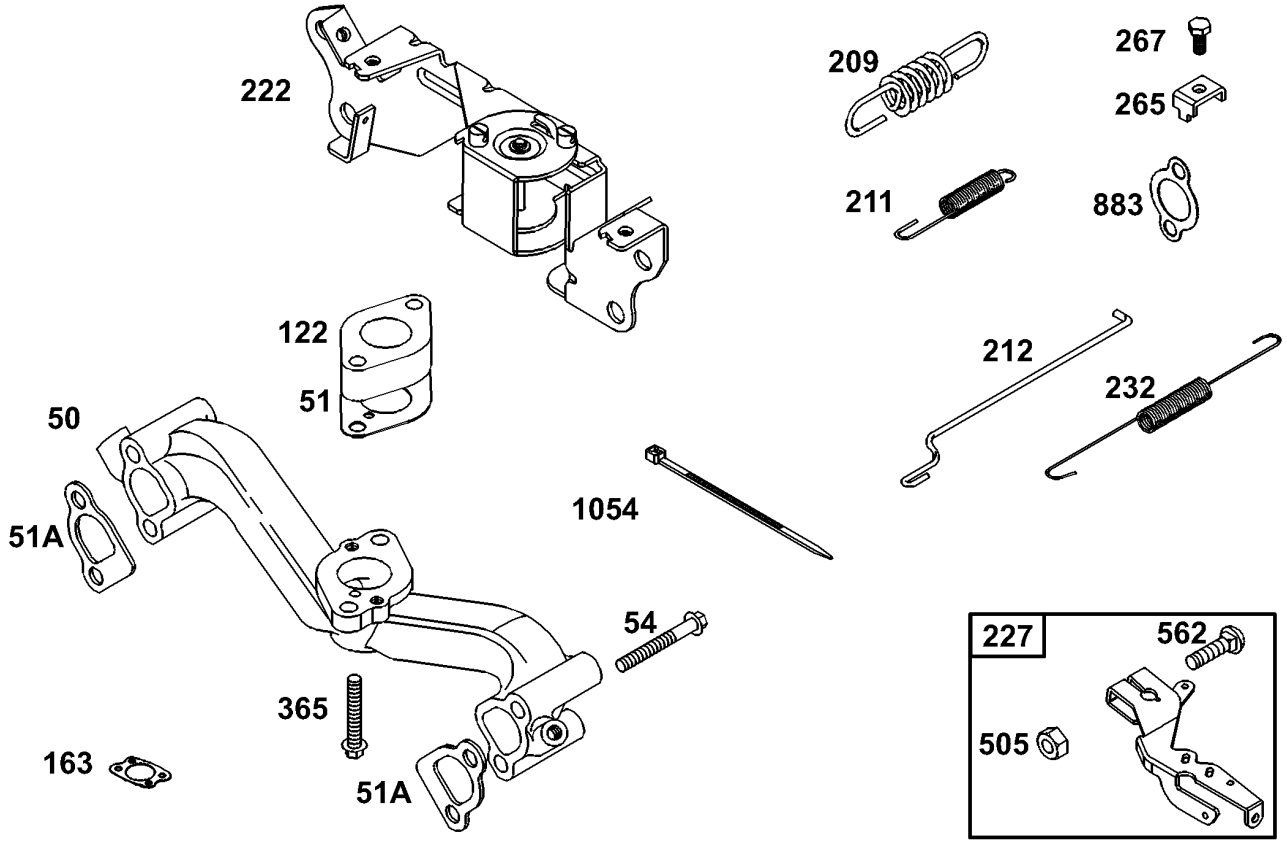
Assemblies include all parts shown in frames.

Carburetor and Fuel Pump Assembly

Ref	Part No.	Qty.	Description
❸❺51	691694	1	Gasket-Intake
91	808964	1	Body–carburetor, Upper
❺94	808257	1	Idle Mixture Kit
95	690718	1	Screw (Throttle Valve)
97	809007	1	Shaft-Throttle
98	808177	1	Screw
❺102	692077	1	Gasket–body, Carburetor
❺104	690723	1	Pin–hinge, Float
❺105	692078	1	Valve–needle, Float
108	690719	1	Valve–choke
109	809062	1	Shaft-Choke
110	806861	1	Washer (Choke Shaft)
117	806986	1	Jet-Main
119	690720	1	Screw (Upper To Lower Body)
125	809092	1	Carburetor
130	690726	1	Valve–throttle
133	806961	1	Float–carburetor
142	806987	1	Nozzle-Carburetor
187	691050	1	Fuel Line (Cut To Required Length)
217	806862	1	Spring–return, Choke
231	690718	1	Screw (Throttle Valve)
385	693169	1	Screw (Fuel Pump)
387	808656	1	Pump–fuel
601	691038	1	Clamp–hose

Ref	Part No.	Qty.	Description
628	806660	1	Screw (Fuel Pump Bracket)
❺633	806131	1	Seal–shaft, Choke/throttle
❺633A	690722	1	Seal–shaft, Choke/throttle
788	691559	1	Bracket–pump, Fuel
❺807	805557	1	Collar-Throttle
918	393815	1	Line–vacuum (Cut To Required Length)
947	692094	1	Solenoid–fuel
❺1091	691516	1	Cap–limiter
1139	806497	1	Washer (Fuel Pump Bracket)

PROTOTYPE

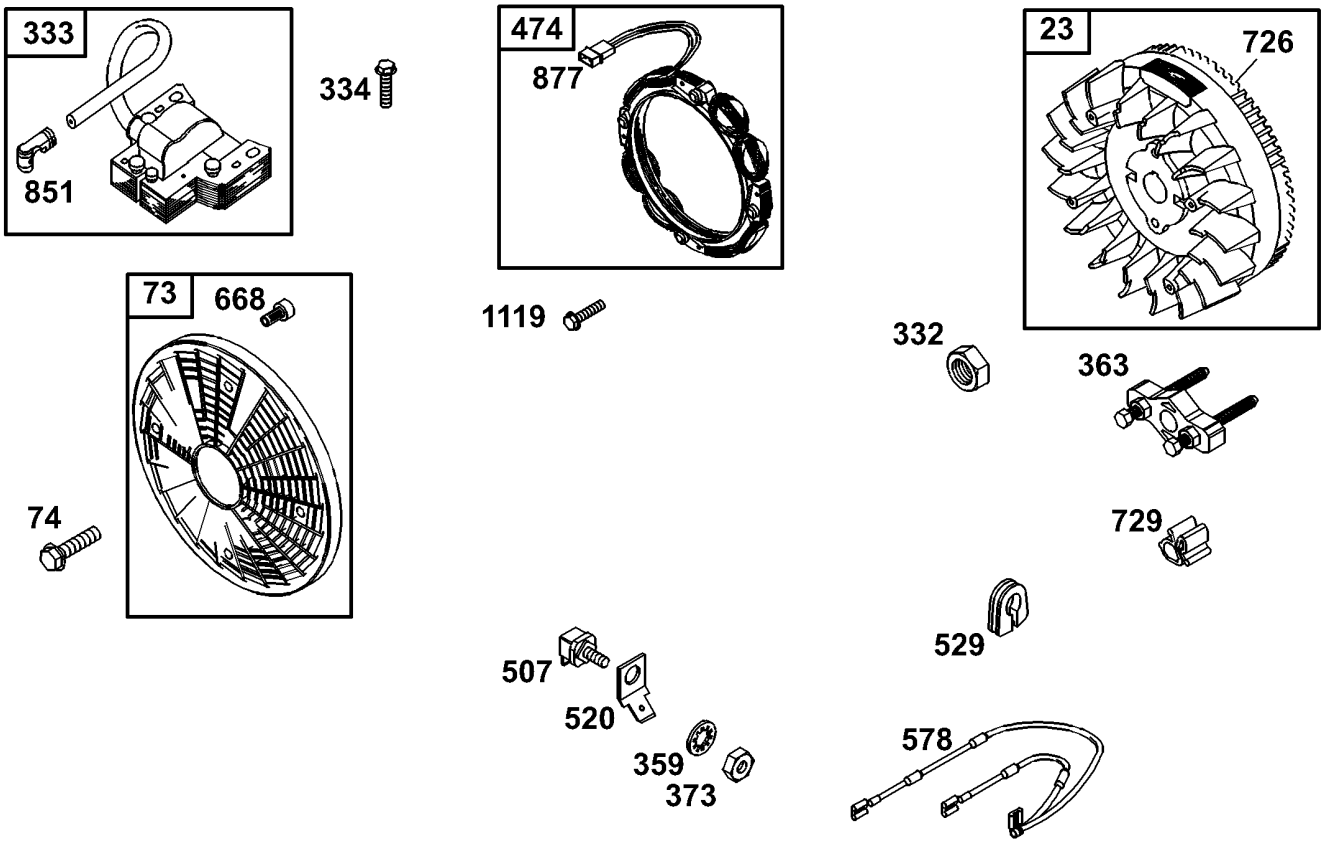


Assemblies include all parts shown in frames.

Manifold Intake and Governor Control Assembly

Ref	Part No.	Qty.	Description
50	690754	1	Manifold–intake
❸❺51	691694	1	Gasket-Intake
❸❹51A	692035	1	Gasket–intake
54	690676	1	Screw (Intake Manifold)
122	690691	1	Spacer–carburetor
❸163	692081	1	Gasket–cleaner, Air
209	691507	1	Spring–governor
211	691553	1	Spring-Governed Idle
212	690712	1	Link–throttle
222	691570	1	Bracket–control
227	690236	1	Lever–control, Governor
232	692073	1	Spring–link, Governor
265	691024	1	Clamp–casing
267	692083	1	Screw (Casing Clamp)
505	690238	1	Nut (Governor Control Lever)
562	690239	1	Bolt (Governor Control Lever)
❸❹883	691613	1	Gasket–exhaust
1054	280275	1	Tie–cable

PROTOTYPE

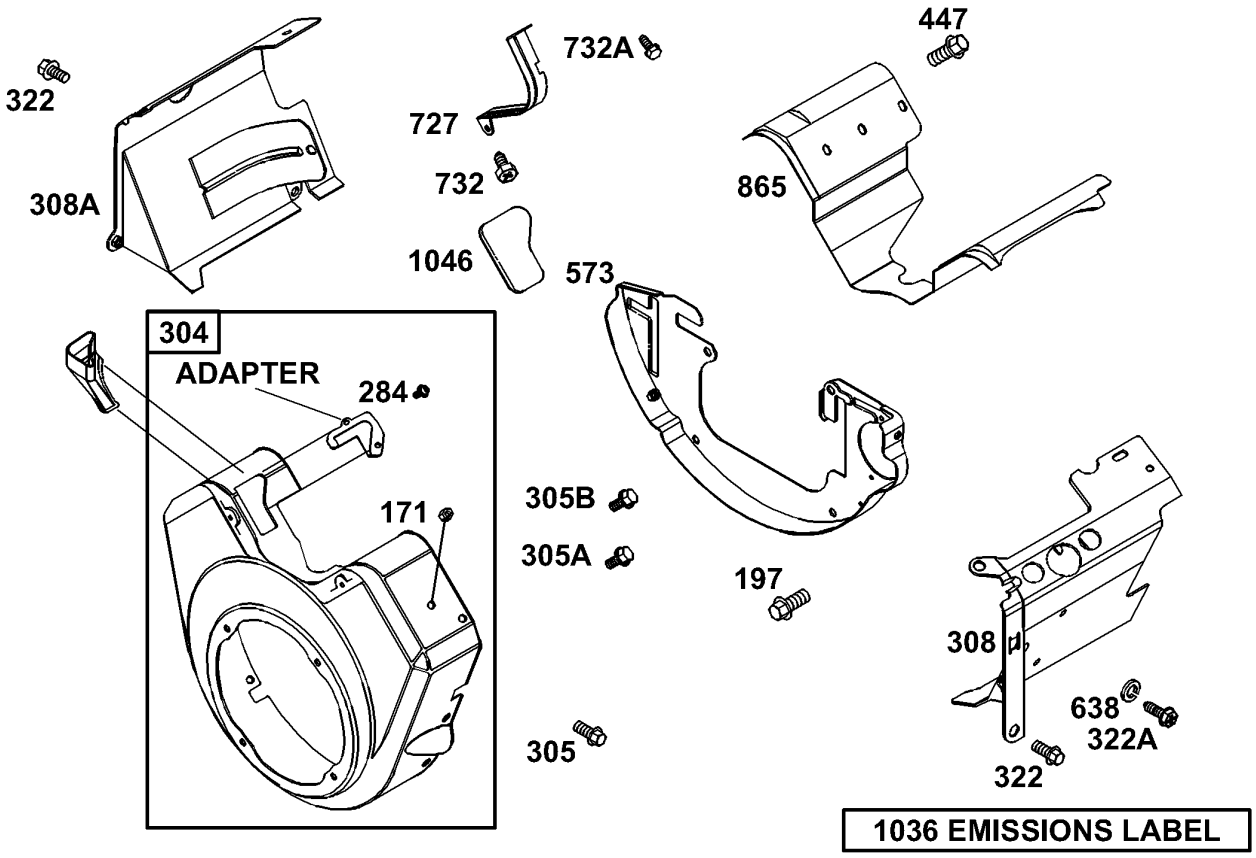


Assemblies include all parts shown in frames.

Alternator Assembly

Ref	Part No.	Qty.	Description
23	808766	1	Flywheel
73	494439	1	Screen–rotating
74	691647	1	Screw (Rotating Screen)
171	810056	1	Nut (Air Cleaner)
284	93410	1	Screw (Control Wire Casing)
332	690887	1	Nut (Flywheel)
333	492341	1	Armature–magneto
334	692066	1	Screw (Magneto Armature)
359	691077	1	Washer (Ground Terminal)
363	19203	1	Puller–flywheel
373	691612	1	Nut (Ground Terminal)
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 (See Reference 23 For Service)
729	690586	1	Clip–wire
851	493880	1	Sparkplug Terminal
877	399916	1	Wire/connector–alternator
1119	691552	1	Screw

PROTOTYPE

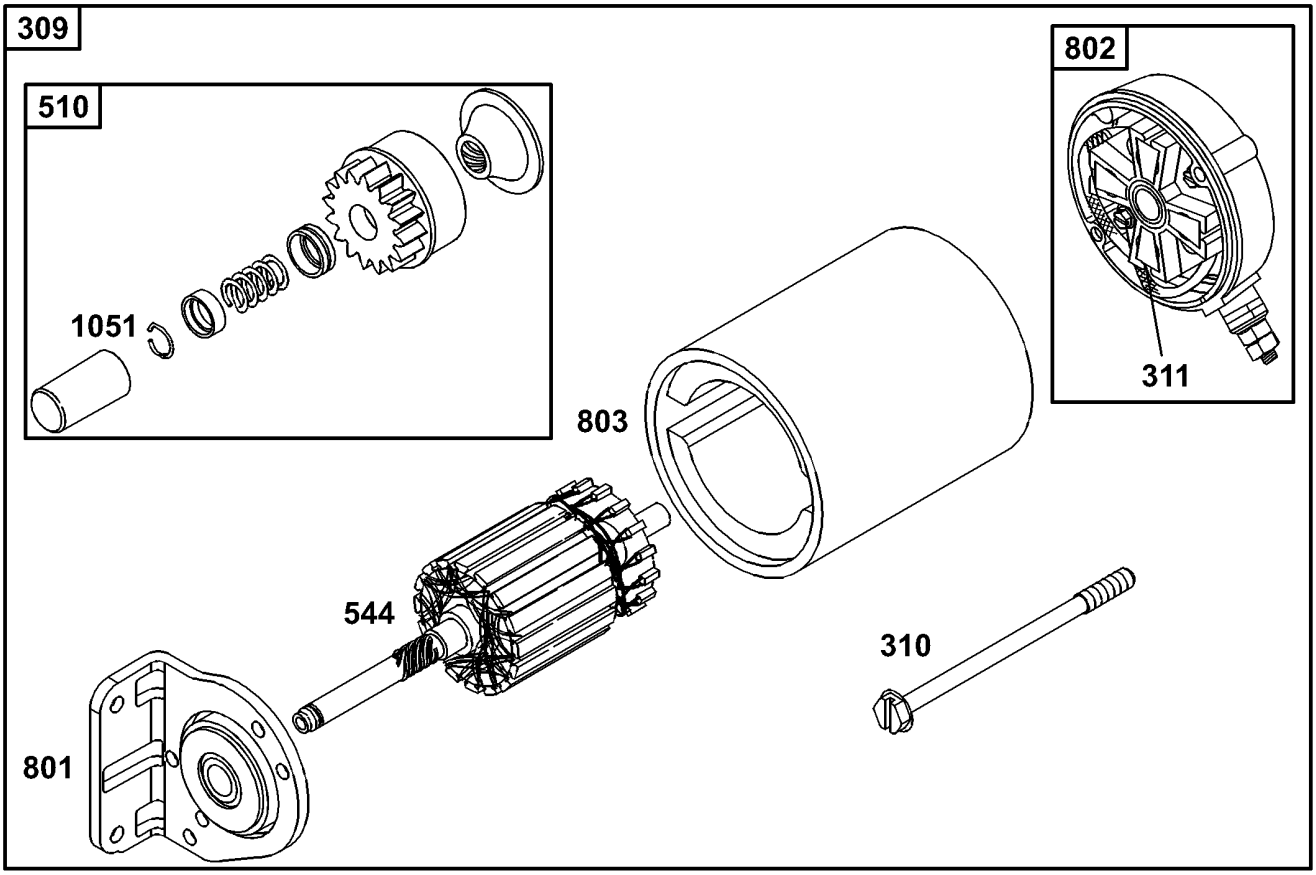


Assemblies include all parts shown in frames.

Blower Housing and Cover Assembly

Ref	Part No.	Qty.	Description
197	692539	1	Screw (Cylinder Head Cover)
304	808408	1	Housing–blower
305	692539	1	Screw (Cylinder Head Cover)
305A	692056	1	Screw (Blower Housing)
305B	692062	1	Screw (Dipstick Tube)
308	806547	1	Cylinder Head Cover (Cyl. #1)
308A	806546	1	Cylinder Head Cover (Cyl. #2)
322	692539	1	Screw (Cylinder Head Cover)
322A	692067	1	Screw (Ignition Module)
447	692539	1	Screw (Cylinder Head Cover)
573	690902	1	Plate–back
638	691551	1	Washer (Cylinder Head Cover)
727	690714	1	Shield-Starter
732	690688	1	Screw (Flywheel Guard)
732A	692539	1	Screw (Cylinder Head Cover)
865	690750	1	Cover–guide, Air
1036	806881	1	Label–emission
1046	692082	1	Plug–housing, Blower

PROTOTYPE

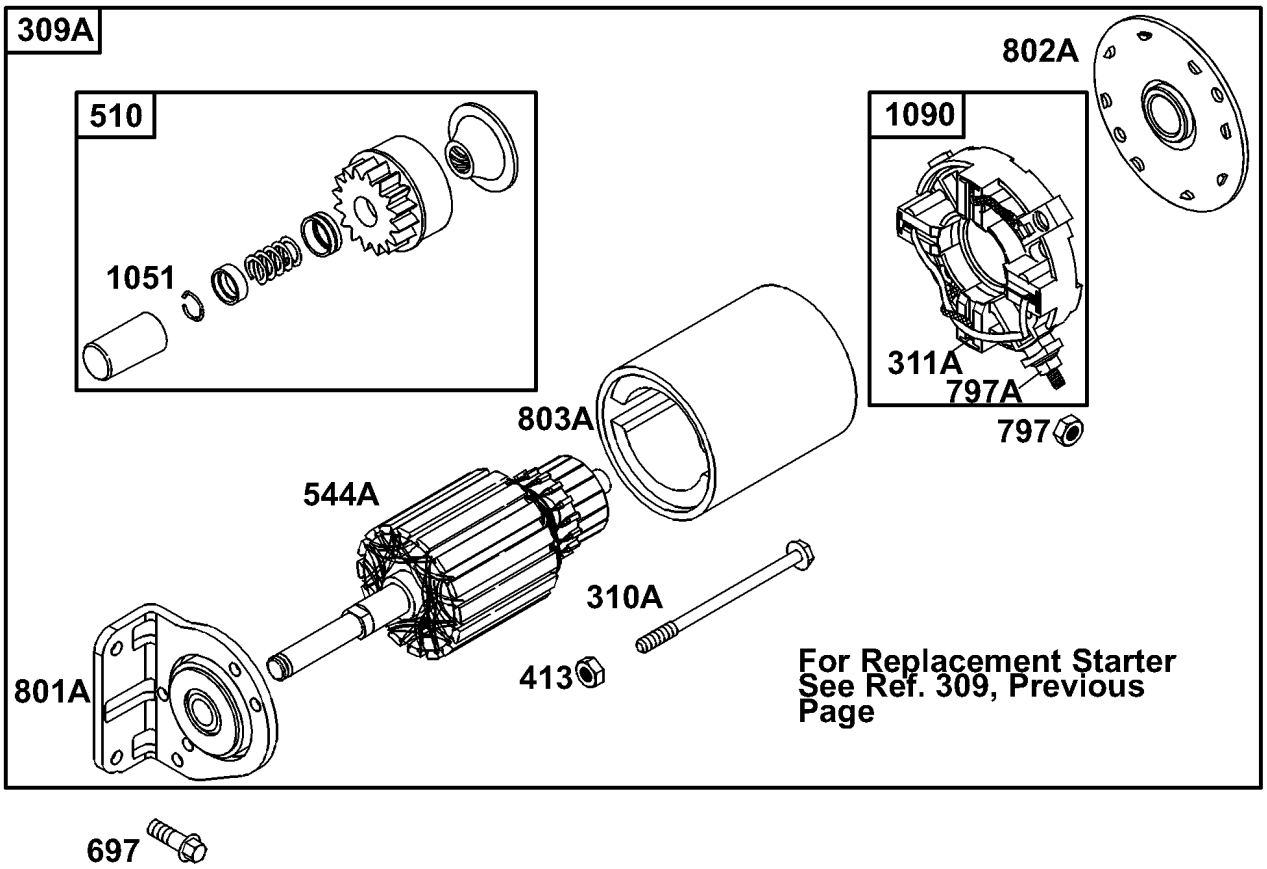


Assemblies include all parts shown in frames.

Starter Motor Assembly

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 (Dipstick Tube)
801	808777	1	Cap-Drive
802	496813	1	Bolt
803	690854	1	Housing-Starter
1051	691124	1	Lock Ring

PROTOTYPE

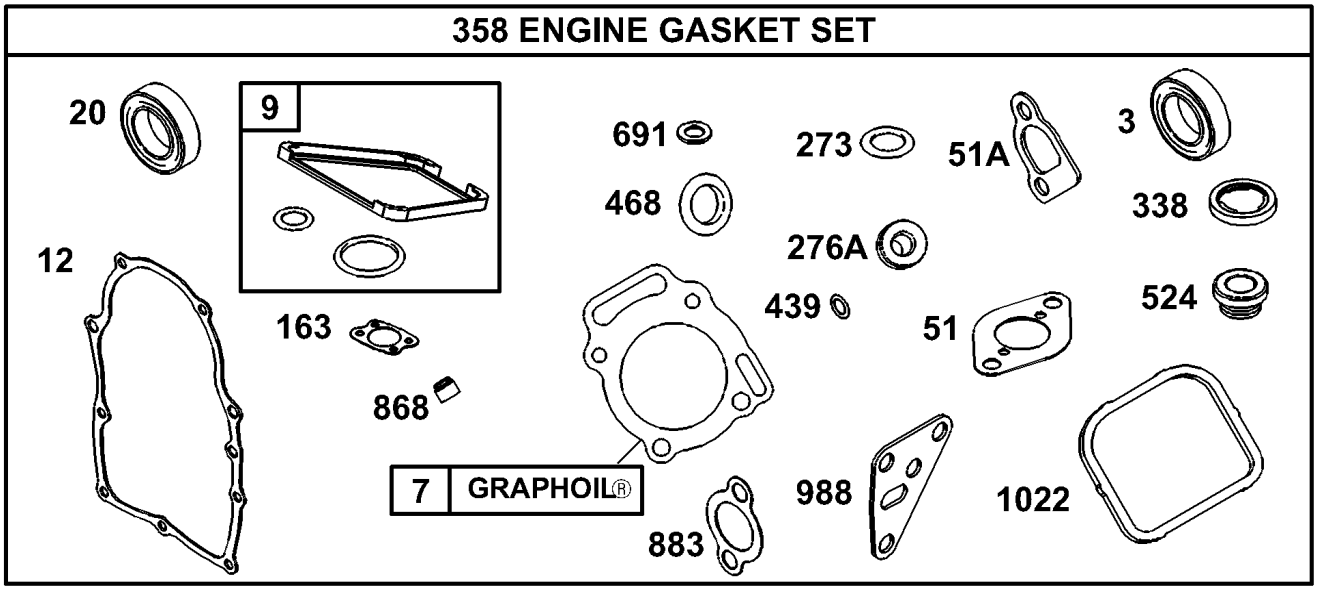


Assemblies include all parts shown in frames.

Replacement Starter Motor Assembly

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

PROTOTYPE

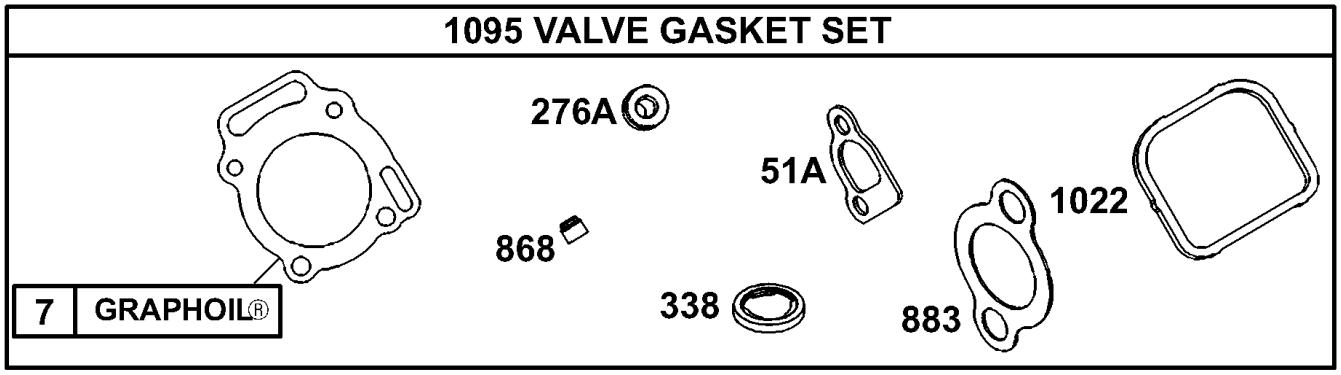


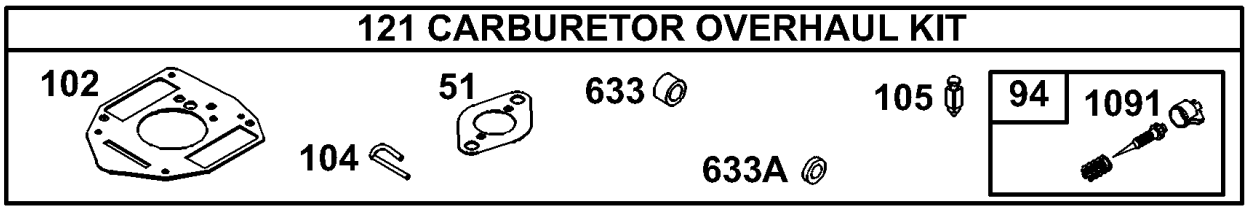
Assemblies include all parts shown in frames.

Engine Gasket Set

Ref	Part No.	Qty.	Description
❸3	805101	1	Seal–oil (Magneto Side)
❸❹7	806085	1	Gasket–head, Cylinder
❸9	807893	1	Breather Gasket
❸12	691684	1	Gasket–crankcase
❸20	805049	1	Seal–oil (Pto Side)
❸❺51	691694	1	Gasket-Intake
❸❹51A	692035	1	Gasket–intake
❸163	692081	1	Gasket–cleaner, Air
❸273	690681	1	Seal–o Ring (Oil Pump)
❸❹276A	691766	1	Sealing Washer
❸❹338	691312	1	Gasket–dipstick
358	808390	1	Engine Gasket Set
439	692154	1	Seal–o Ring (Crankcase Cover)
❸468	690690	1	Seal–o Ring (Oil Pump Screen)
❸524	693172	1	Seal–tube, Dipstick
❸691	690680	1	Seal–shaft, Governor
❸❹868	691963	1	Seal–valve
❸❹883	691613	1	Gasket–exhaust
❸988	692063	1	Gasket–adapter, Oil Filter
❸❹1022	806039	1	Gasket–cover, Rocker

PROTOTYPE





Assemblies include all parts shown in frames.

Valve Gasket Set and Carburetor Overhaul Kit

Ref	Part No.	Qty.	Description
❸❺7	806085	1	Gasket–head, Cylinder
❸❺51	691694	1	Gasket-Intake
❸❹51A	692035	1	Gasket–intake
❺94	808257	1	Idle Mixture Kit
❺102	692077	1	Gasket–body, Carburetor
❺104	690723	1	Pin–hinge, Float
❺105	692078	1	Valve–needle, Float
121	809023	1	Carburetor Overhaul Kit
❸❹276A	691766	1	Sealing Washer
❸❹338	691312	1	Gasket–dipstick
❺633	806131	1	Seal–shaft, Choke/throttle
❺633A	690722	1	Seal–shaft, Choke/throttle
❸❹868	691963	1	Seal–valve
❸❹883	691613	1	Gasket–exhaust
❸❹1022	806039	1	Gasket–cover, Rocker
❺1091	691516	1	Cap–limiter
1095	808392	1	Valve Gasket Set

PROTOTYPE

NOTES

PROTOTYPE



PROTOTYPE