



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.

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

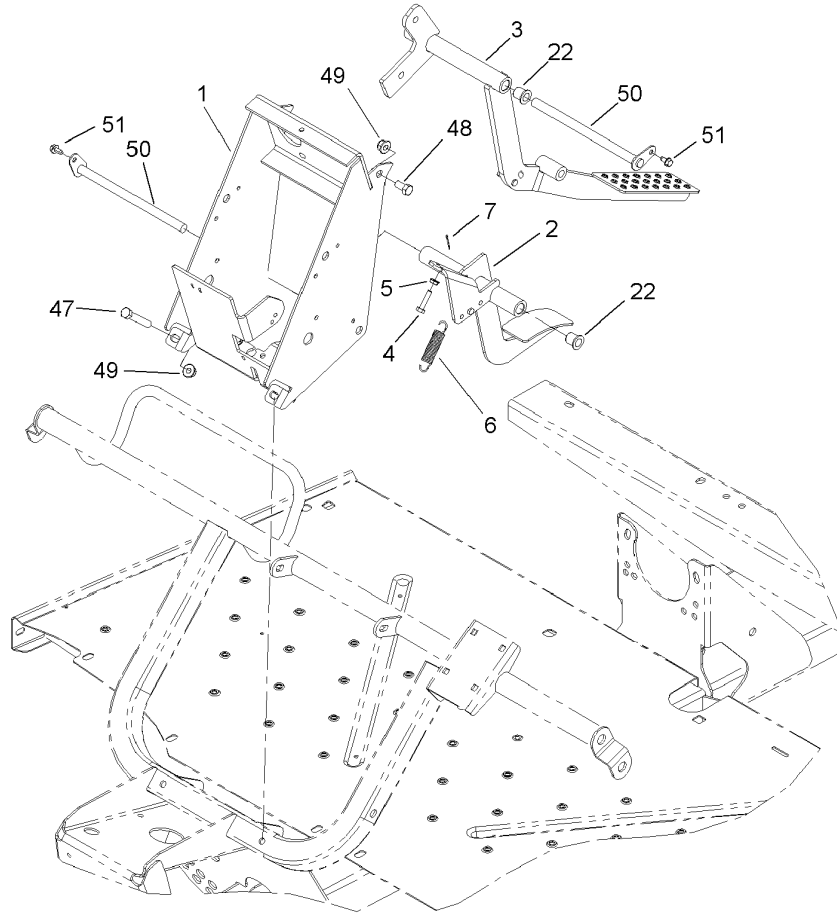
Part descriptions in this catalog may include the following abbreviations.

AR..... as required	INC..... incorporated
ASM..... assembly	LH..... left hand
CARR..... carriage	NI..... nylon insert
DEG..... degrees	PPH..... phillips pan head
FH..... flat head	PTH..... phillips truss head
GA..... gauge	PTO..... power take off
HF..... hex flange	RH..... right hand
HH..... hex head	SFH..... slotted fillister head
HHF..... hex head flange	SHH..... slotted hex head
HHFTF..... hex head flange thread forming	SHWH..... slotted hex washer head
HJ..... hex jam	SPH..... slotted pan head
HLH..... hex lag head	SQH..... square head
HOC..... height-of-cut	SRH..... slotted round head
HS..... hex	STD..... standard
HSBH..... hex socket button head	TAP..... self tapping
HSFH..... hex socket flat head	TTH..... torx truss head
HSH..... hex socket head	WH..... wing head
HWH..... hex washer head	
HWHTF..... hex washer head thread forming	
HYD..... hydraulic	

PROTOTYPE

Footnotes

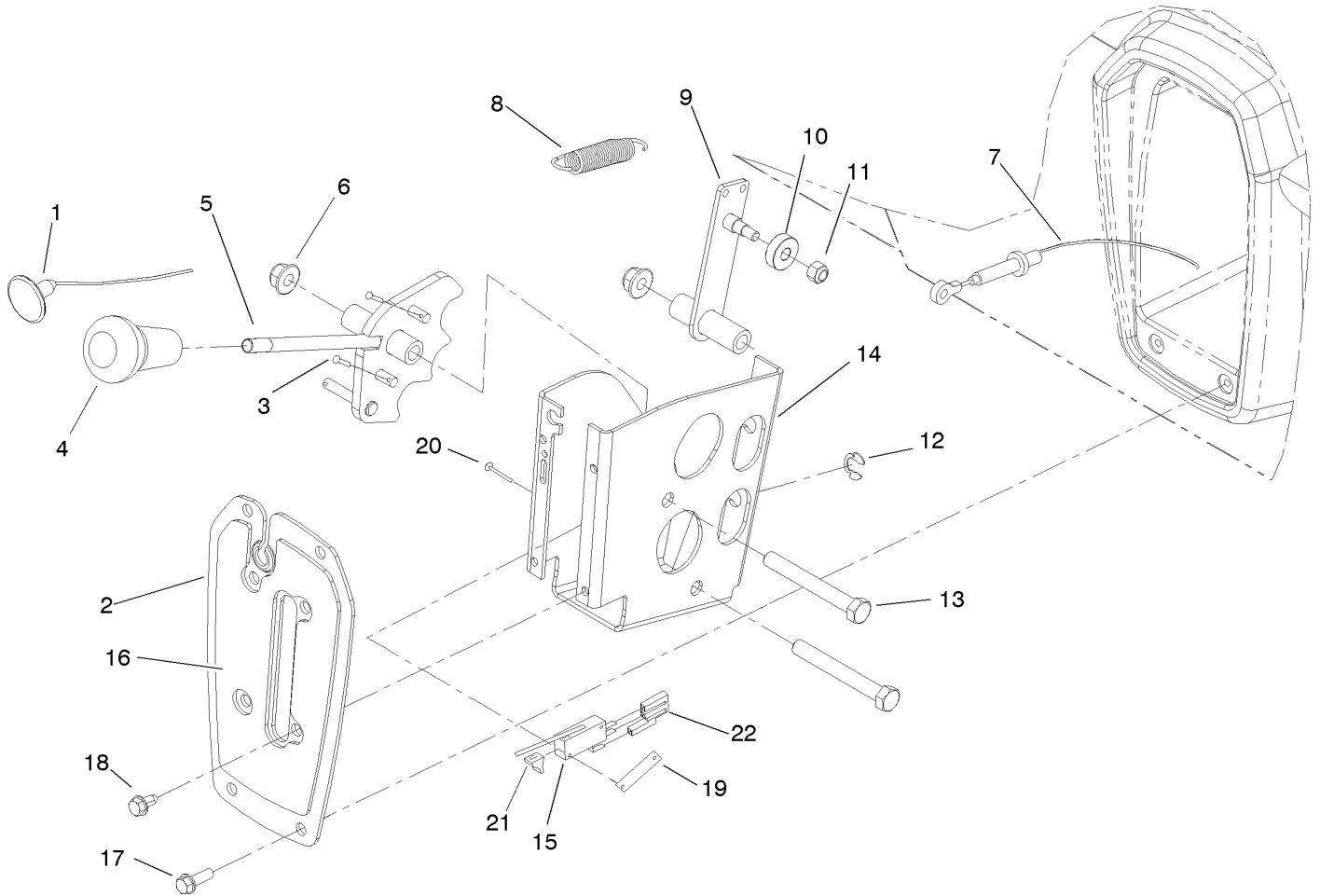
- | | |
|---|--|
| <ul style="list-style-type: none"> ❶ Not illustrated ❷ Included in Engine Gasket Set-Ref. 358. ❸ Included in Carburetor Overhaul Kit-Ref. 121. | <ul style="list-style-type: none"> ❹ Not serviced separately ❺ Included in Valve Gasket Set-Ref. 1095. |
|---|--|



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				

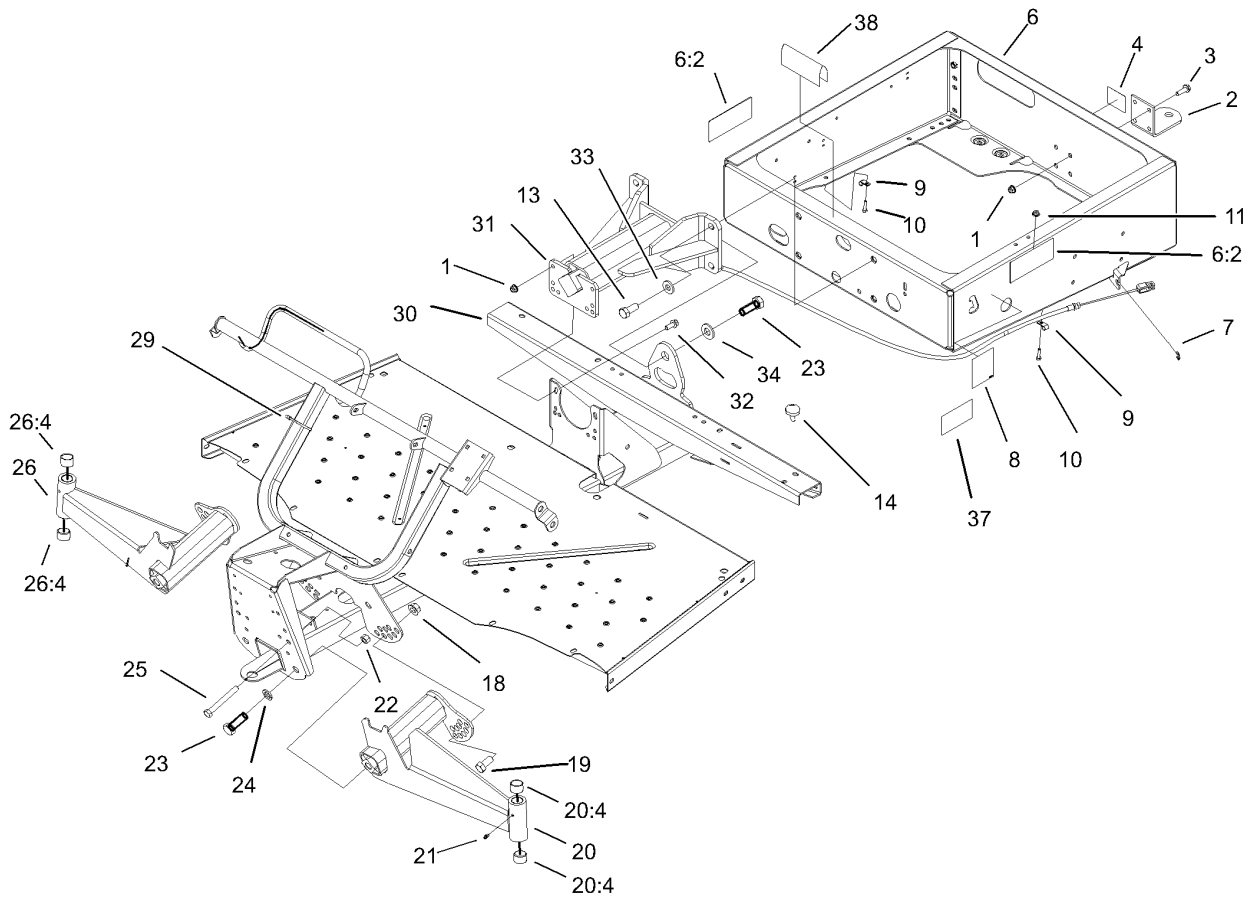
PROTOTYPE



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

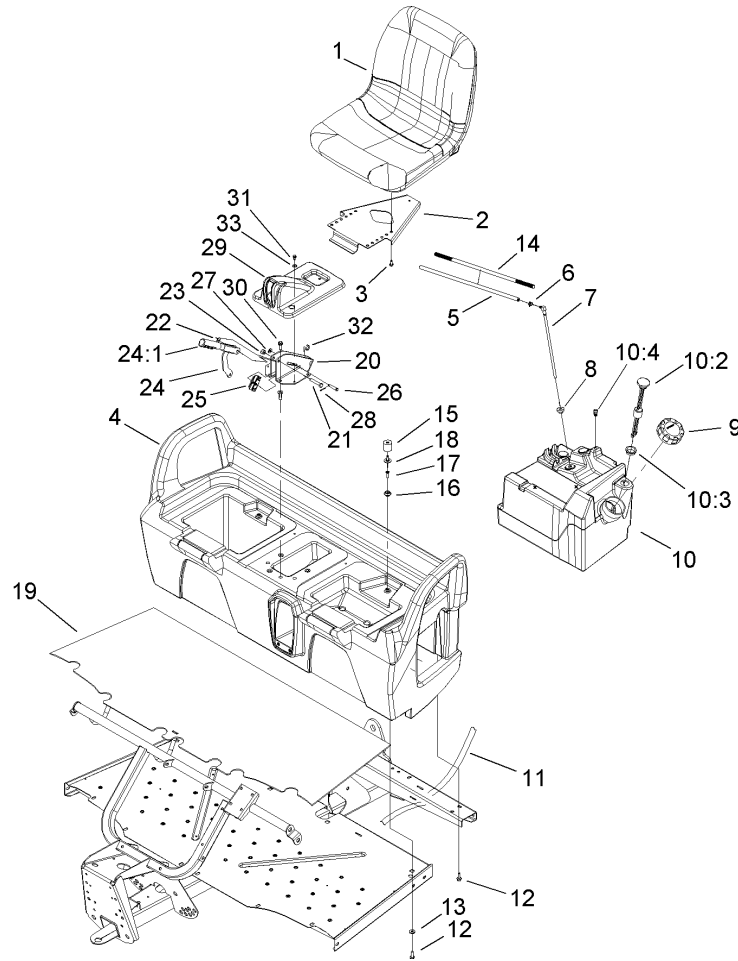
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Frame Assembly

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

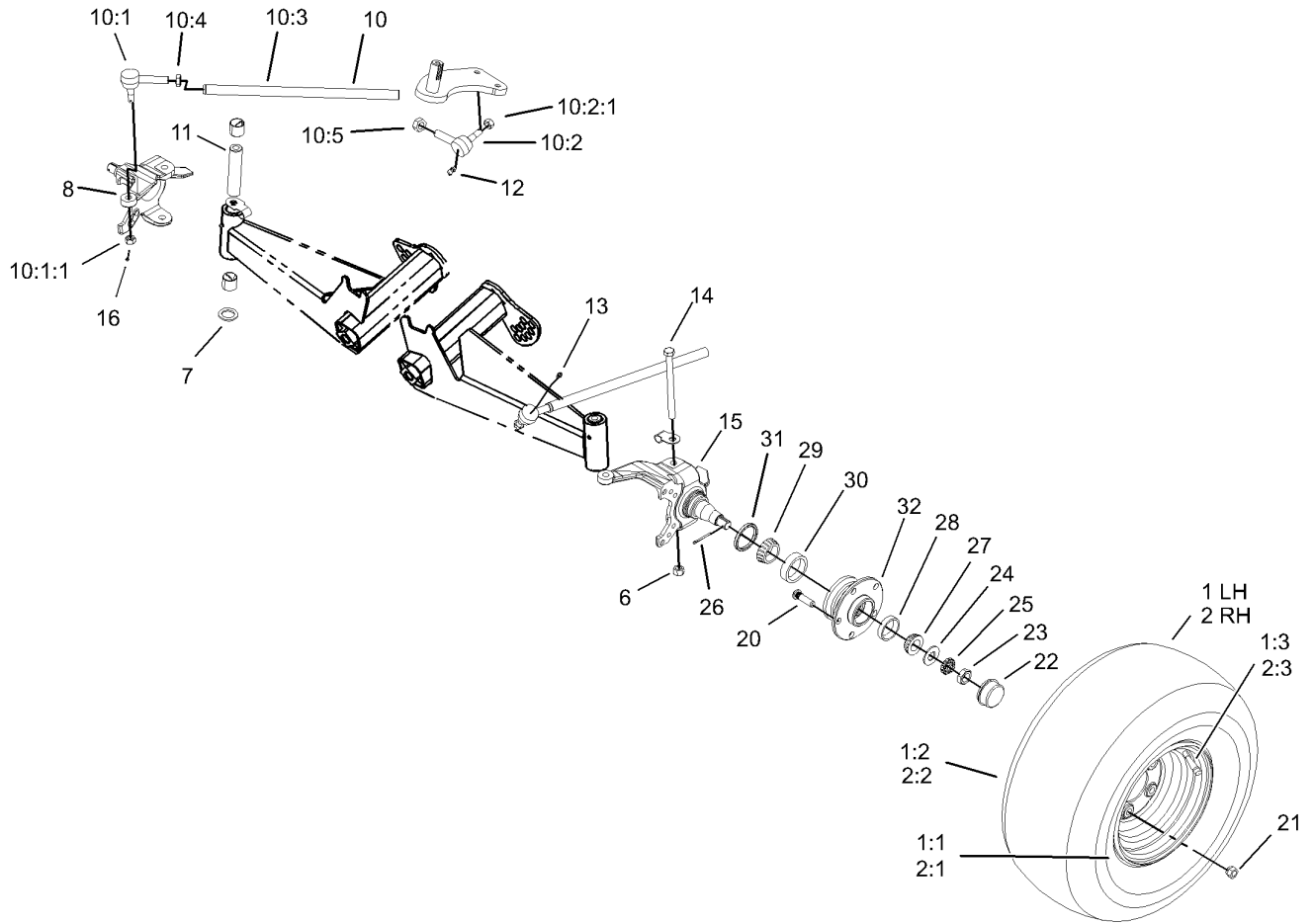
Ref	Part No.	Qty.	Description
29	3290-379	12	Tie-Cable
30	104-7197-03	1	Front Frame ASM
31	99-7700	1	Pivot Yoke ASM
32	3234-11	4	Screw-HHF
33	99-7667	4	Washer-Flat
34	87-3060	1	Washer-Hardened
37	104-6592	1	Decal-Capacity (Ce)
38	95-5686	1	Trim



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

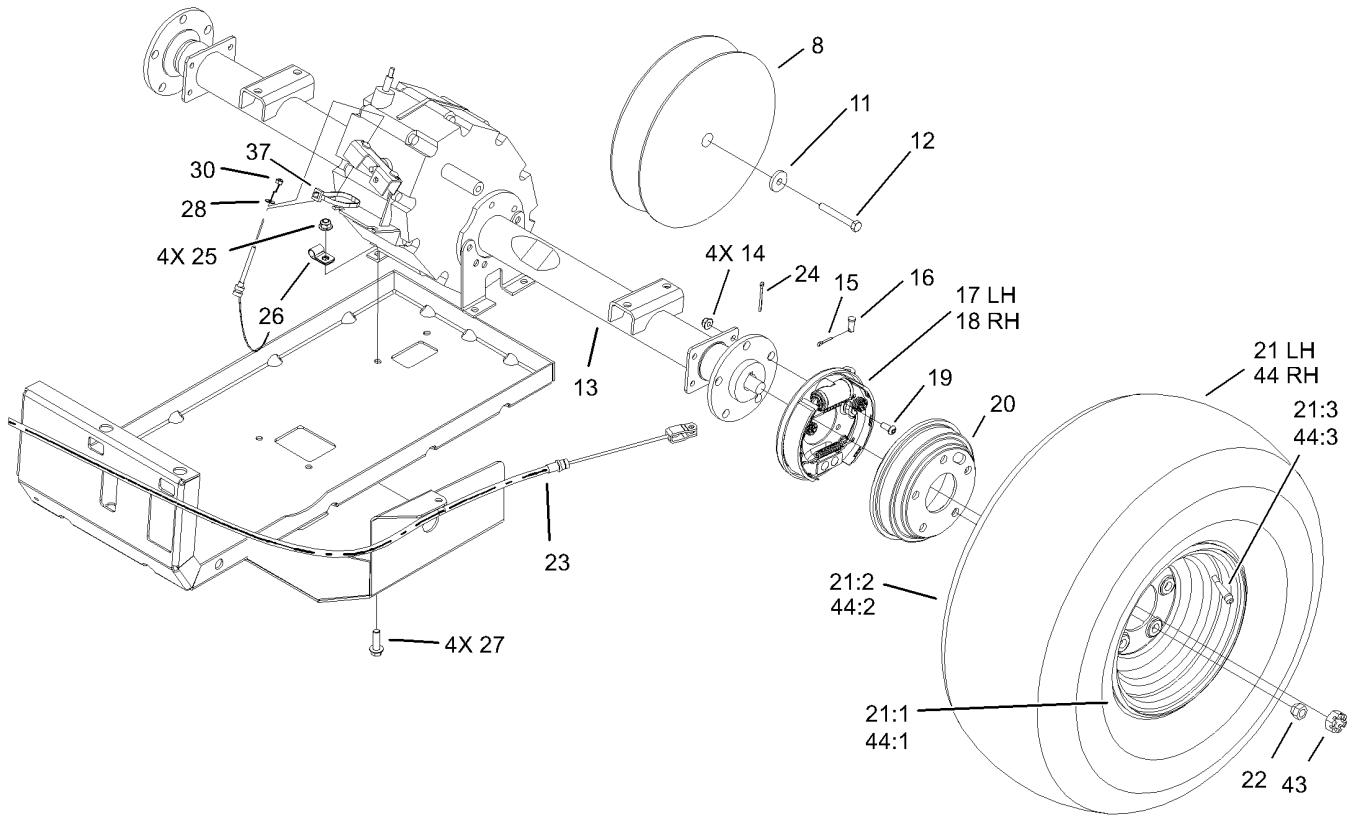
Ref	Part No.	Qty.	Description
22	3290-477	1	Washer-Curved
23	3296-39	1	Nut-Lock, NI
24	104-6842	1	Lever-Brake, Park
24:1	106-7972	1	Grip-Handle
25	87-3480	1	Bracket-Equalizer, Cable
26	94-3829	1	Pin-Clevis
27	3256-23	1	Washer-Flat
28	3272-6	1	Pin-Cotter
29	104-7014	1	Cover-Brake, Parking
30	3234-17	4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



Front Tire and Steering Assembly

Ref	Part No.	Qty.	Description
①		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
②		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
⑩		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

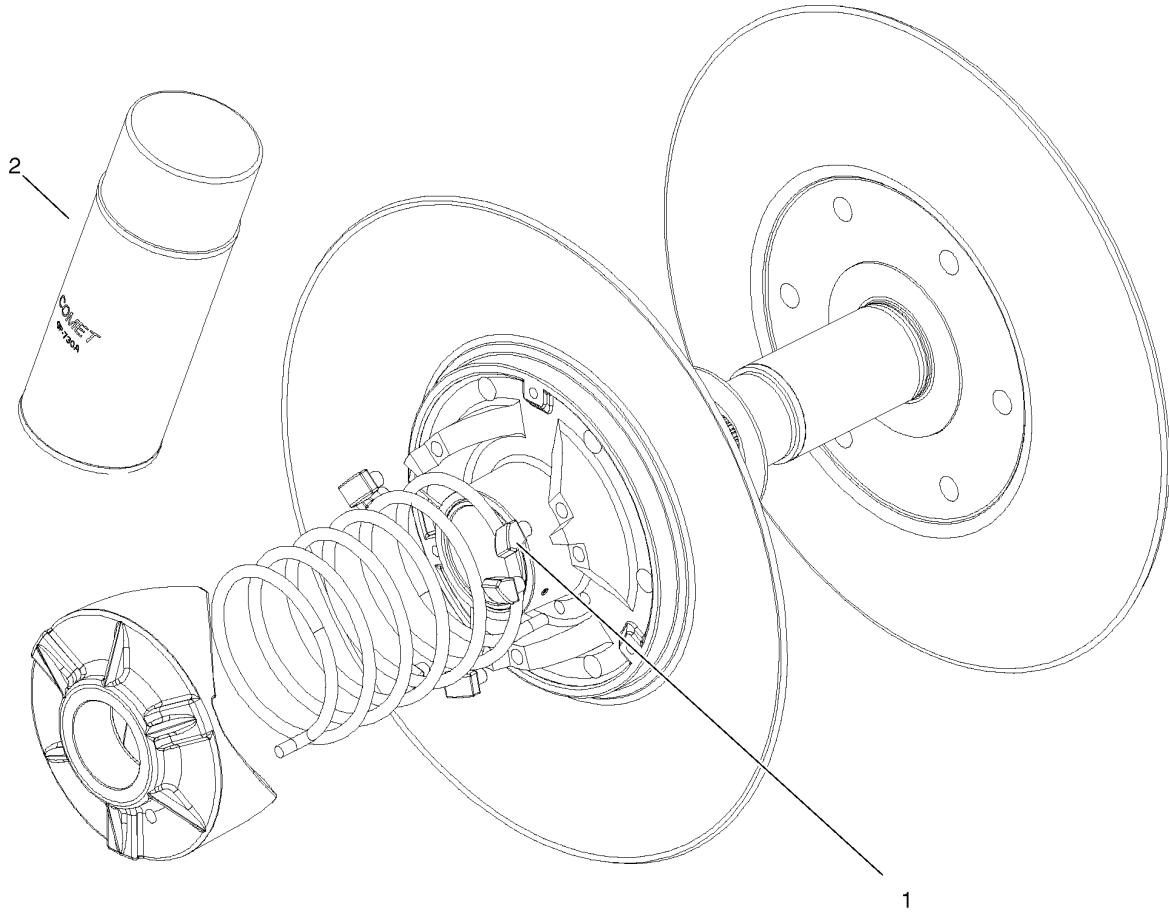


Rear Tire and Transaxle Assembly

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
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

PROTOTYPE

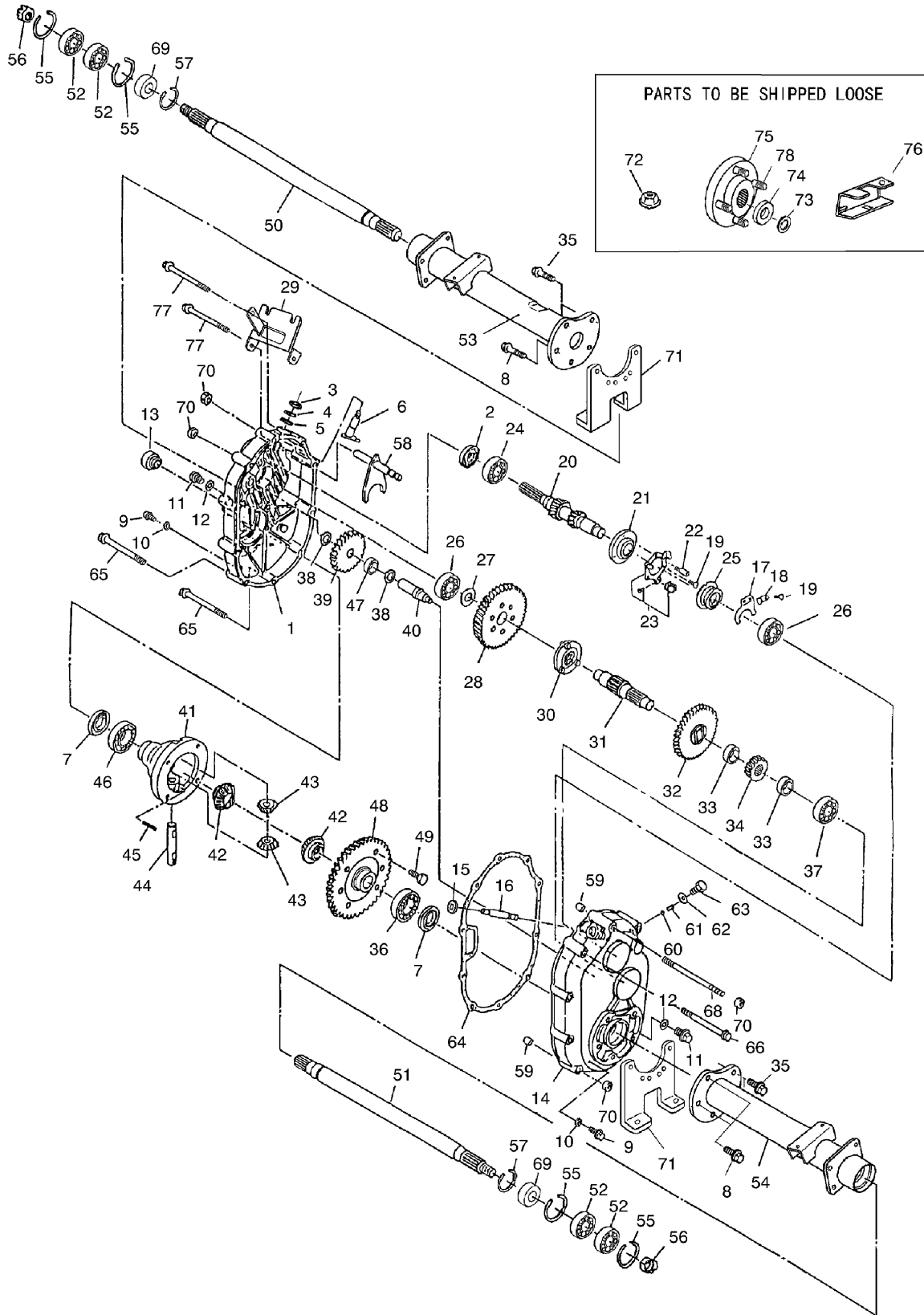


Driven Clutch Assembly No. 99-7104

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

PROTOTYPE

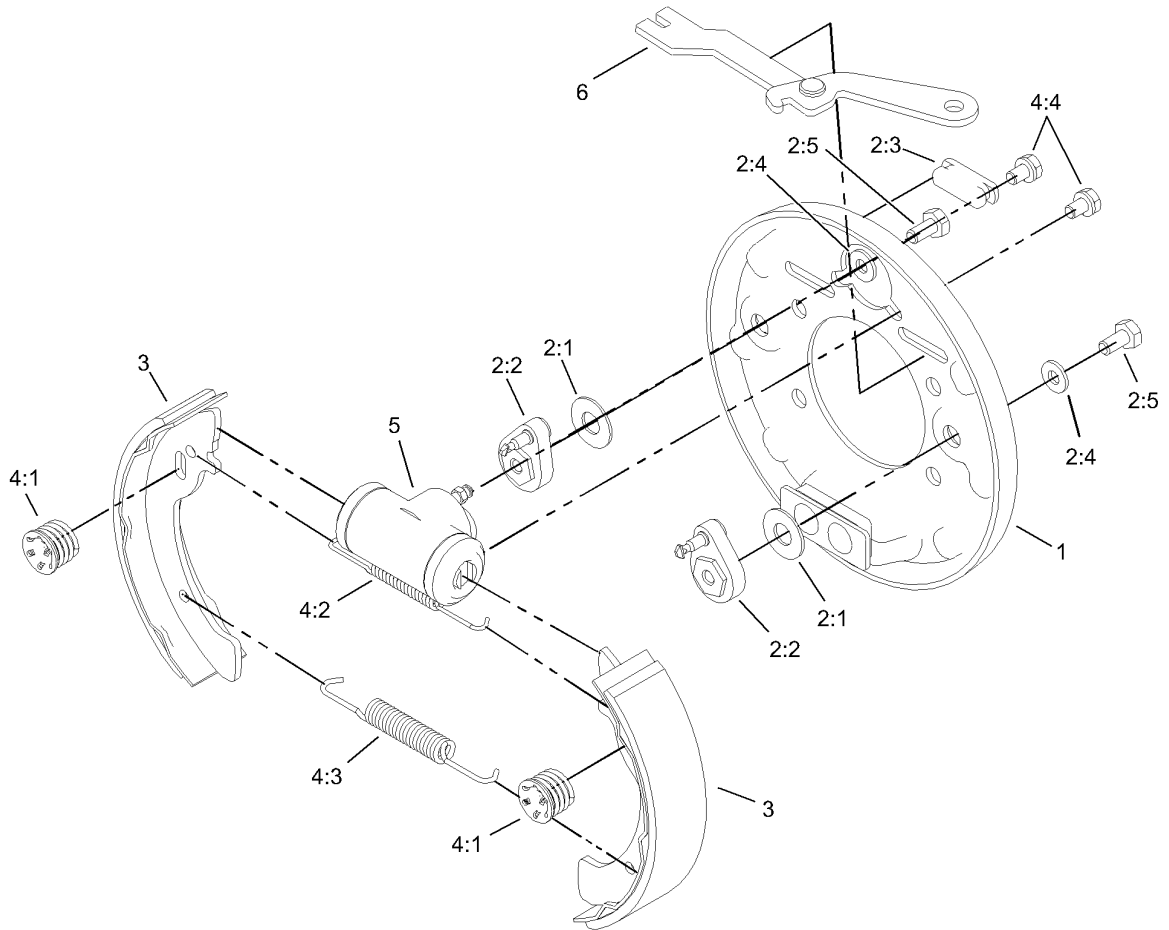
Transaxle Assembly No. 107-0360



Transaxle Assembly No. 107-0360

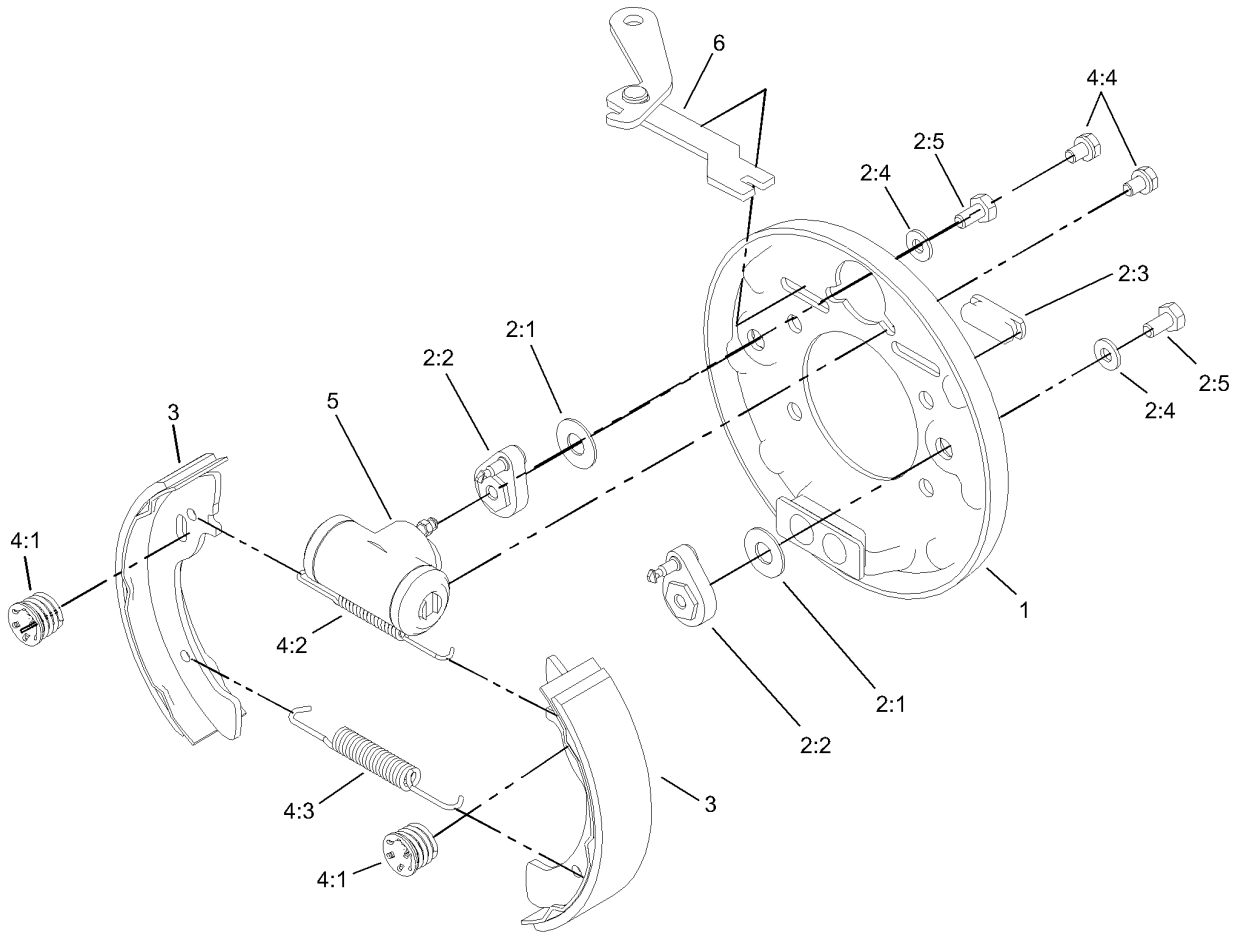
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	104-1601	1	Case-Lh, Complete	53	104-1653	1	Case-Axle, LH
2	104-1602	1	Seal-Oil	54	104-1654	1	Case-Axle, RH
3	104-1603	1	Seal-Oil	55	104-1655	4	Ring-Snap
4	104-1604	1	Ring-Snap	56	104-1656	2	Nut-Castle
5	104-1605	1	Spacer	60	104-1660	1	Ball-Steel
6	104-1606	1	Shaft-Selector	57	104-1657	2	Ring-Snap
7	104-1607	2	Seal-Oil	58	104-6870	1	Shaft-Shift, Complete
8	104-1608	4	Bolt-Flange	59	104-1659	2	Knock-Pipe
9	104-1609	2	Plug-Check, Oil	60	104-1660	1	Ball-Steel
10	104-1610	2	Gasket	61	104-1661	1	Spring
11	104-1611	2	Plug-Drain, Oil	62	104-1662	1	Gasket
12	104-1612	2	Gasket	63	104-1663	1	Bolt
13	104-1613	1	Plug-Filler, Oil	64	104-1664	1	Gasket
14	104-1614	1	Case-Complete, RH	65	104-1665	6	Bolt-Flange
15	104-1615	1	Seal-Oil	66	104-1666	1	Bolt-Flange
16	104-1616	1	Shaft-Governor	68	104-6866	1	Bolt
17	104-1617	1	Fork-Governor	69	104-6867	2	Collar
18	104-1618	1	Stopper	70	33004-00	11	Nut-HF
19	104-1619	4	Screw And Washer ASM	71	104-1671	2	Bracket-Axle
20	104-7002	1	Shaft-Input, Complete	72	104-1672	1	Nut-Lock
21	104-1621	1	Base-Governor	73	104-1673	2	Washer-Spring
22	104-1622	1	Pin-Lock	74	104-1674	2	Washer
23	104-1623	1	Unit-Plate, Governor	75	104-1675	2	Hub
24	104-1624	1	Bearing-Ball	76	104-6860	1	Lever-Select
25	104-1625	1	Sleeve-Governor	77	104-6869	2	Bolt-Flange
26	104-1626	2	Bearing-Ball	78	104-8649	10	Stud
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				

PROTOTYPE



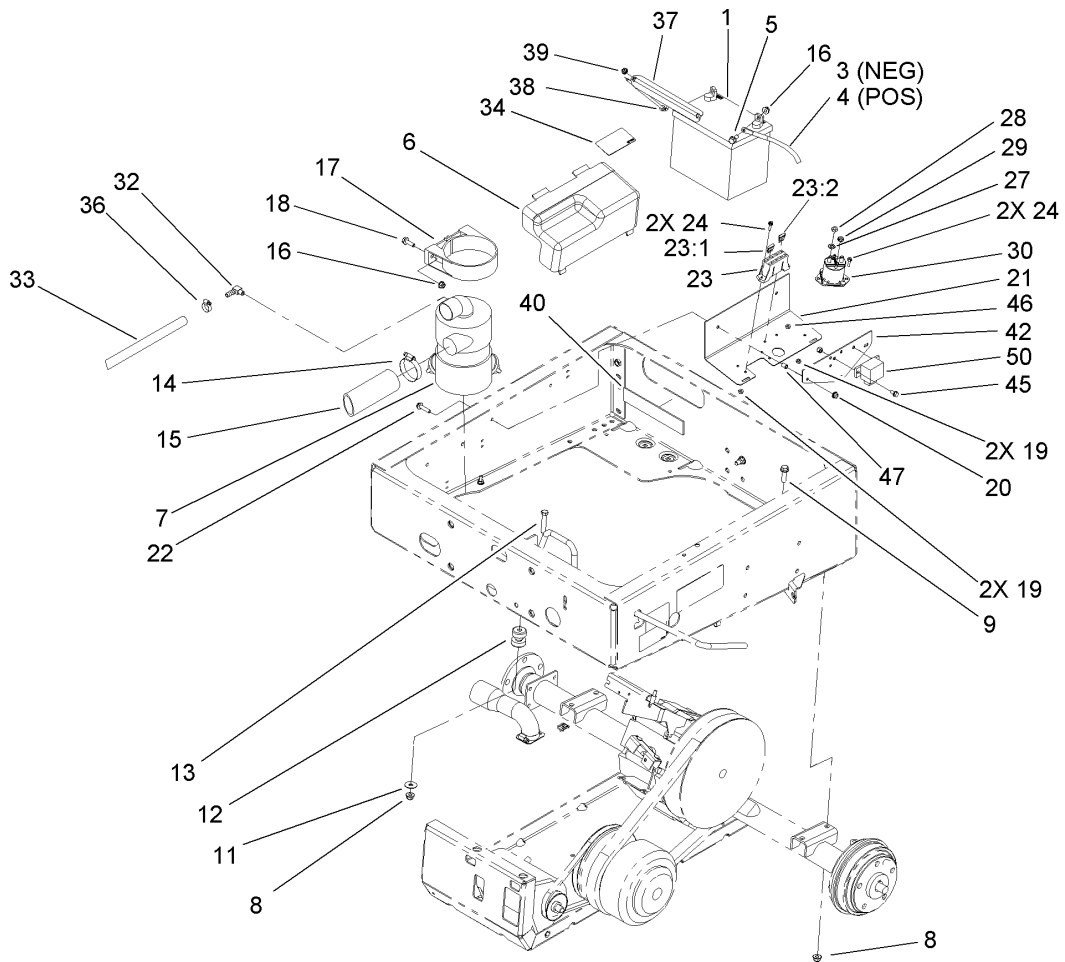
Left Hand Brake Assembly No. 104-6807

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



Right Hand Brake Assembly No. 104-6806

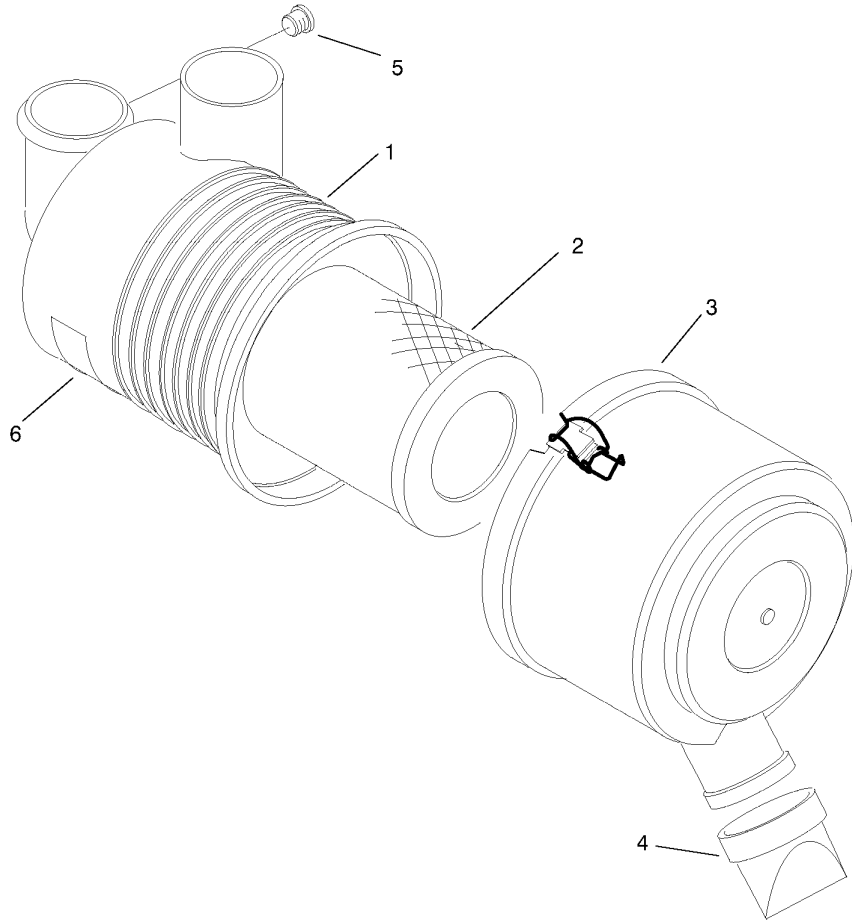
Ref	Part No.	Qty.	Description	
1	100-8586	1	Backing Plate ASM	
2	104-6820	1	Adjuster Kit	
2:1	100-8585	2	Washer-Bellville	
2:2	100-8588	2	Adjuster Lever ASM	
2:3	100-8584	2	Cover-Dust	
2:4		2	Washer	
2:5		2	Bolt	
3	104-6818	4	Shoe And Lining Kit	
4	104-6819	1	Hardware Kit	
4:1	100-8583	2	Shoe Hold Down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



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

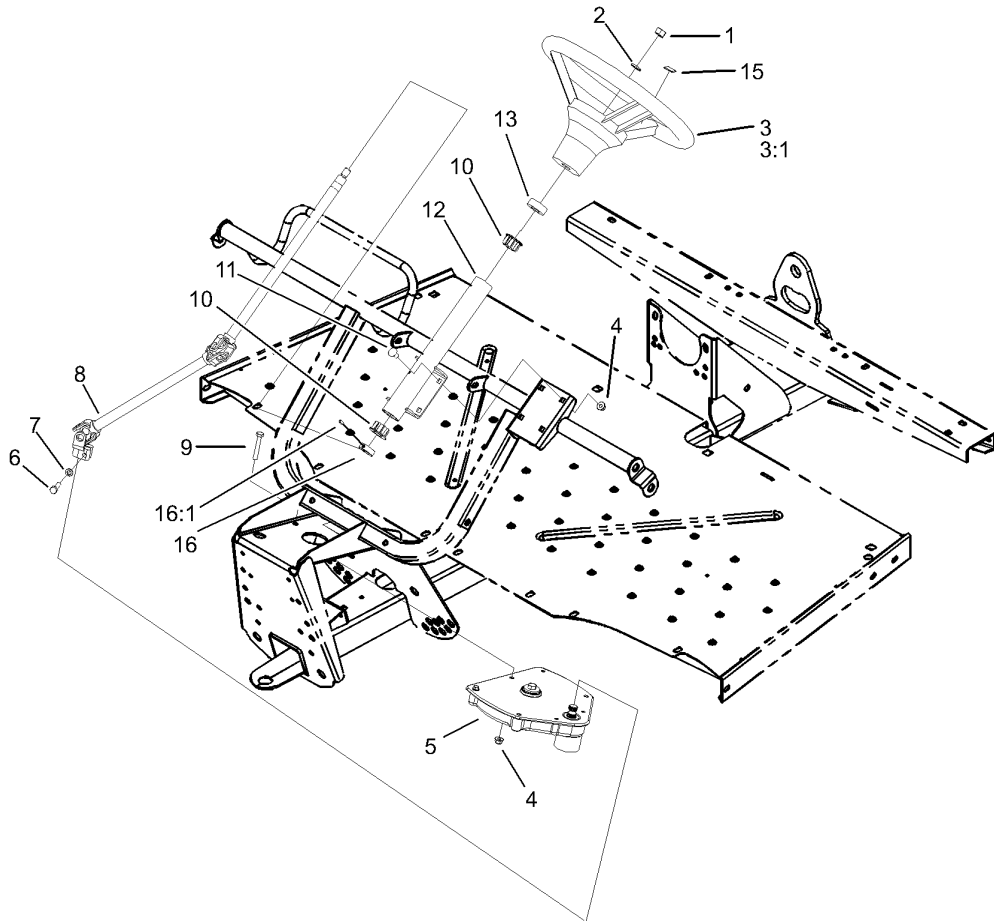
Ref	Part No.	Qty.	Description
27	3255-8	2	Washer-Lock
28	3218-2	2	Nut-Jam
29	32149-8	2	Nut-Keps
30	28-4210	1	Solenoid
32	99-7230	1	Fitting-90 DEG
33	99-7842	1	Hose-Breather
34	99-7958	1	Decal-Information
36	2412-36	2	Clamp-Hose
37	92-5018-03	1	Clamp-Battery
38	95-4042	2	Hook-Retain, Battery
39	104-7201	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



Air Cleaner Assembly No. 99-7120

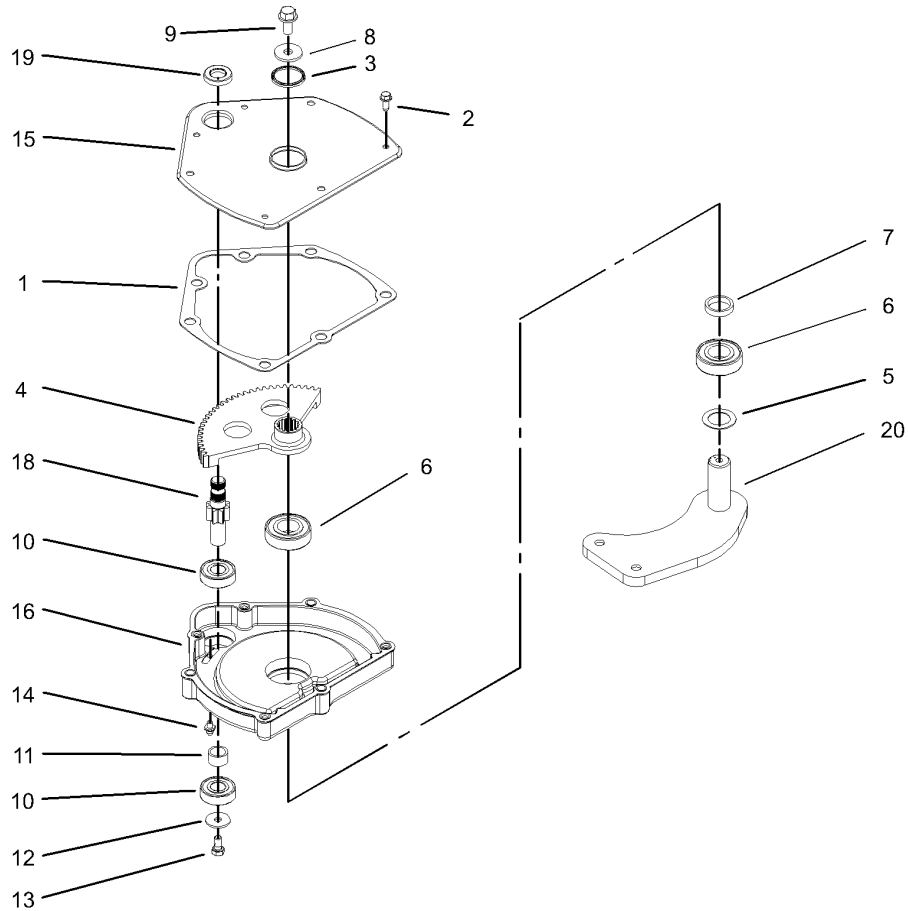
Ref	Part No.	Qty.	Description
②1		1	Body
2	93-2195	1	Filter
3	94-3652	1	Cover ASM
4	87-9400	1	Valve-Vacuator
②5		1	Plug
②6		1	Marking

PROTOTYPE



Upper Steering Assembly

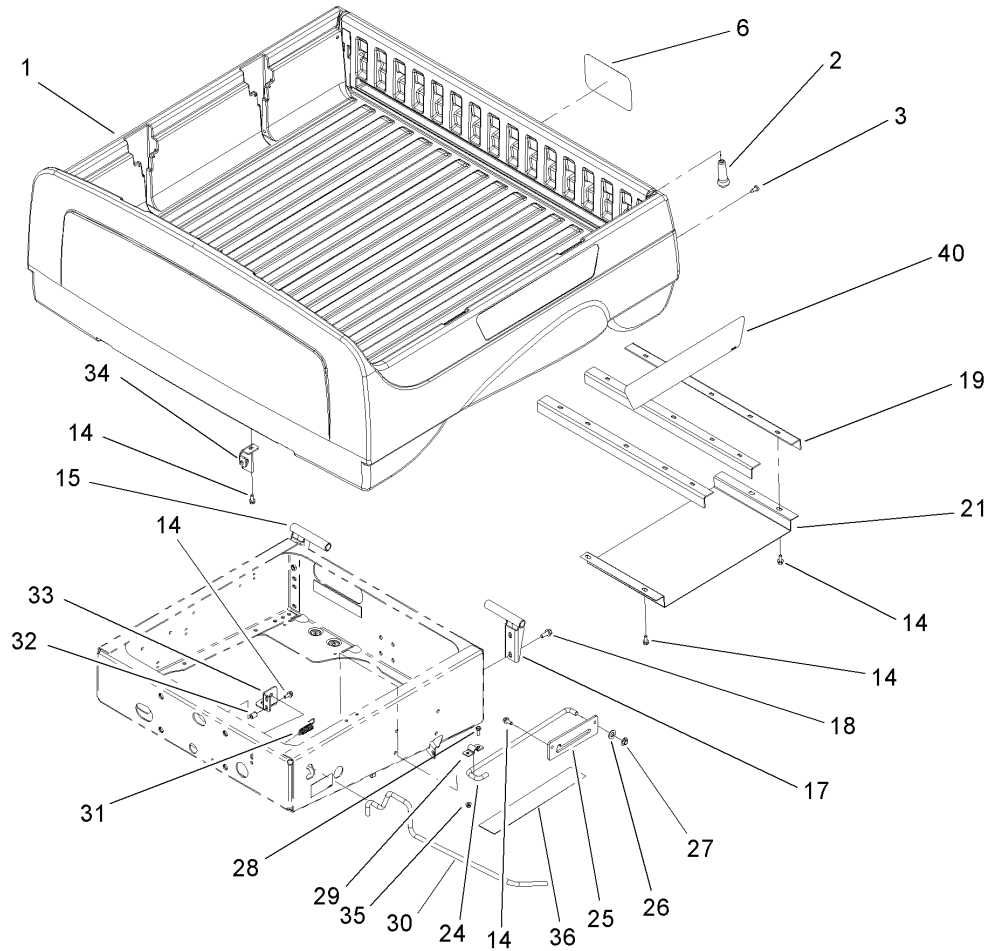
Ref	Part No.	Qty.	Description
1	3277-1	1	Nut-Hex
2	48-8070	1	Washer-Lock
3	98-1471	1	Wheel-Steering
3:1	98-1468	1	Cover-Wheel, Steering
4	104-8300	7	Nut-Flange, NI
5	99-7660	1	Steering Gearbox ASM
6	48-7730	1	Screw-HH
7	3253-4	1	Washer-Lock
8	99-7653	1	Shaft-Steering
9	322-10	3	Screw-HH
10	93-1146	2	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



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

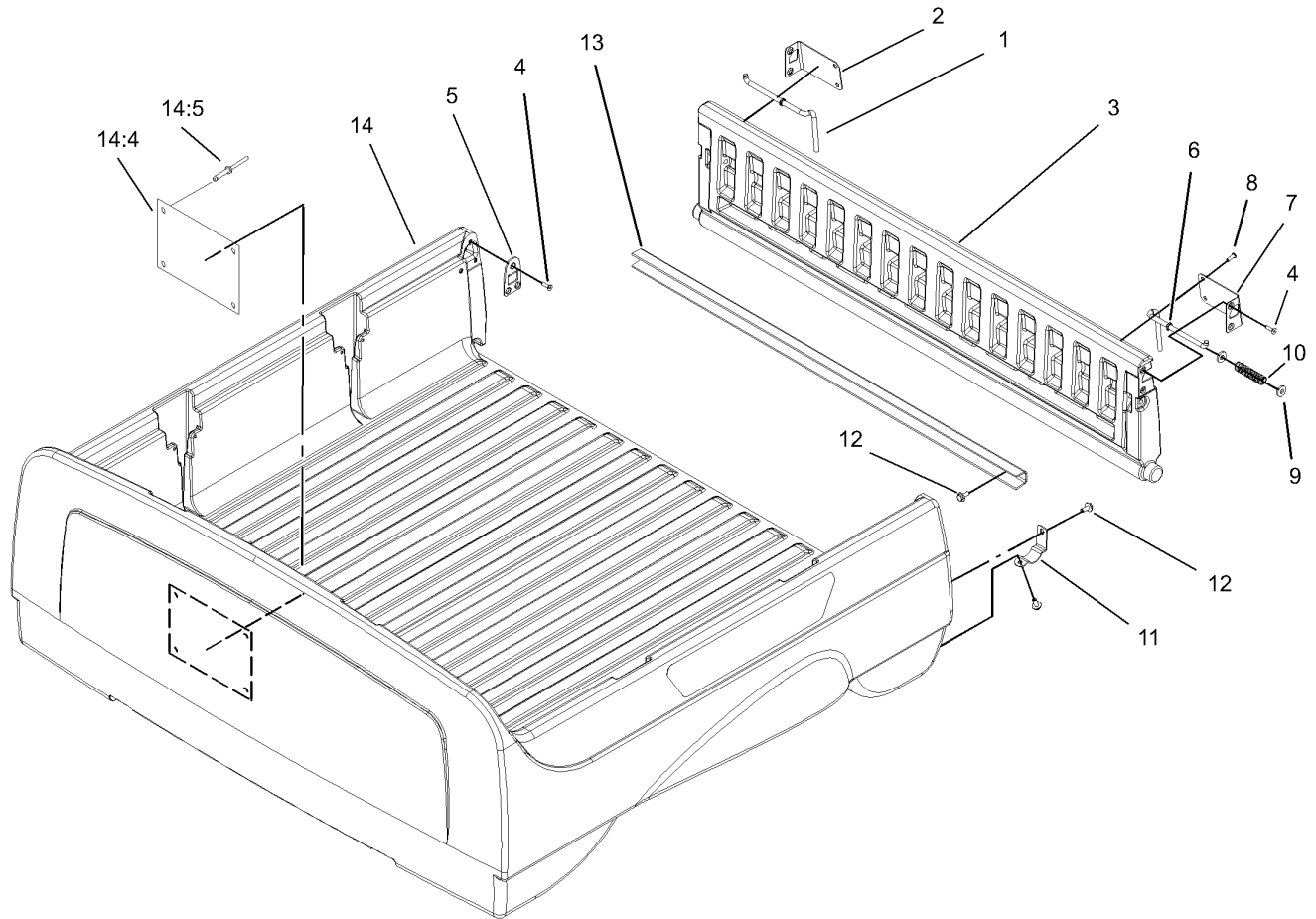
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Box and Tailgate Installation Assembly

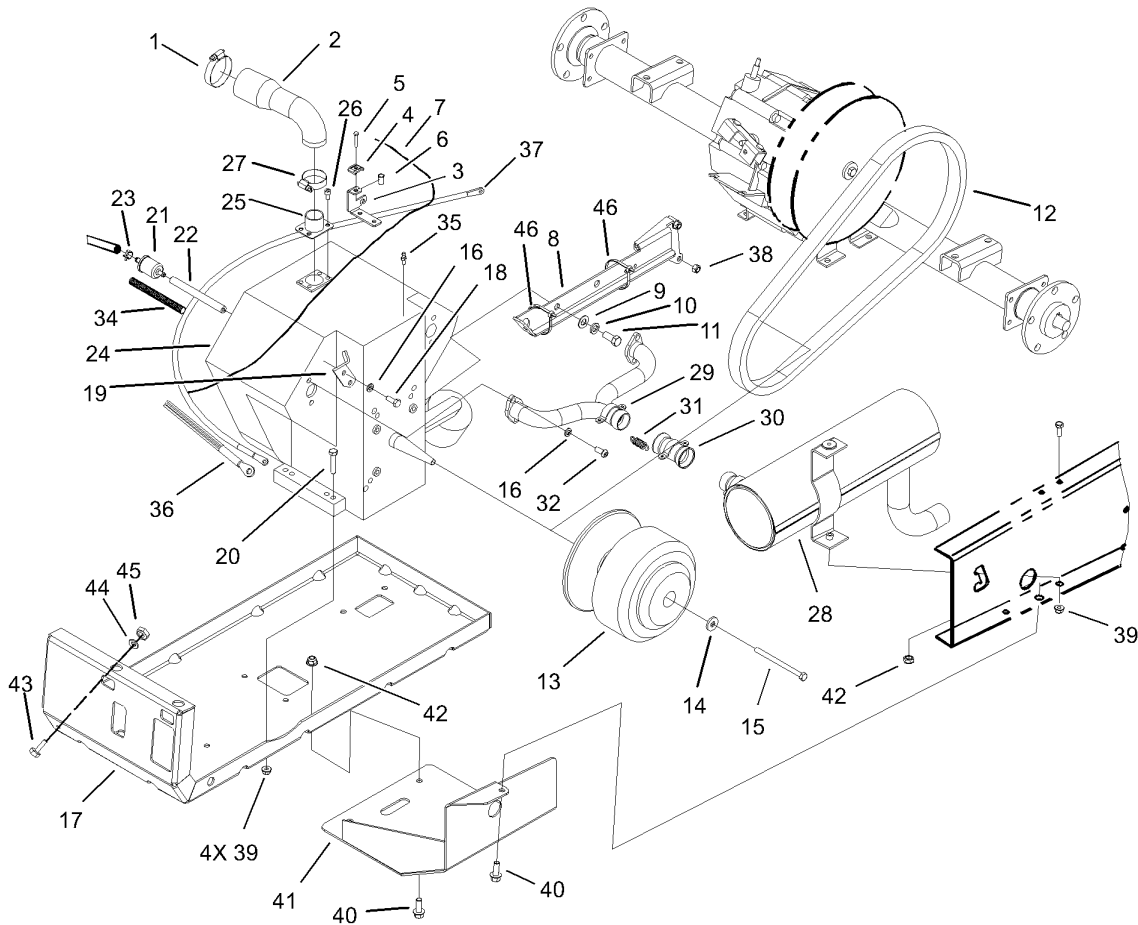
Ref	Part No.	Qty.	Description
1		1	Box And Tailgate ASM
2	99-7984	2	Knob-Soft Grip, Push-On
3	87-8460	2	Bumper-Rubber
6	104-7213	1	Decal
14	3234-5	18	Screw
15	99-7309-03	1	RH Pivot Bracket ASM
17	99-7308-03	1	LH Pivot Bracket ASM
18	3234-11	4	Screw-HHF
19	99-7864-03	3	Brace-Box
21	99-7870	1	Shield-Heat
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

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Box and Tailgate Assembly

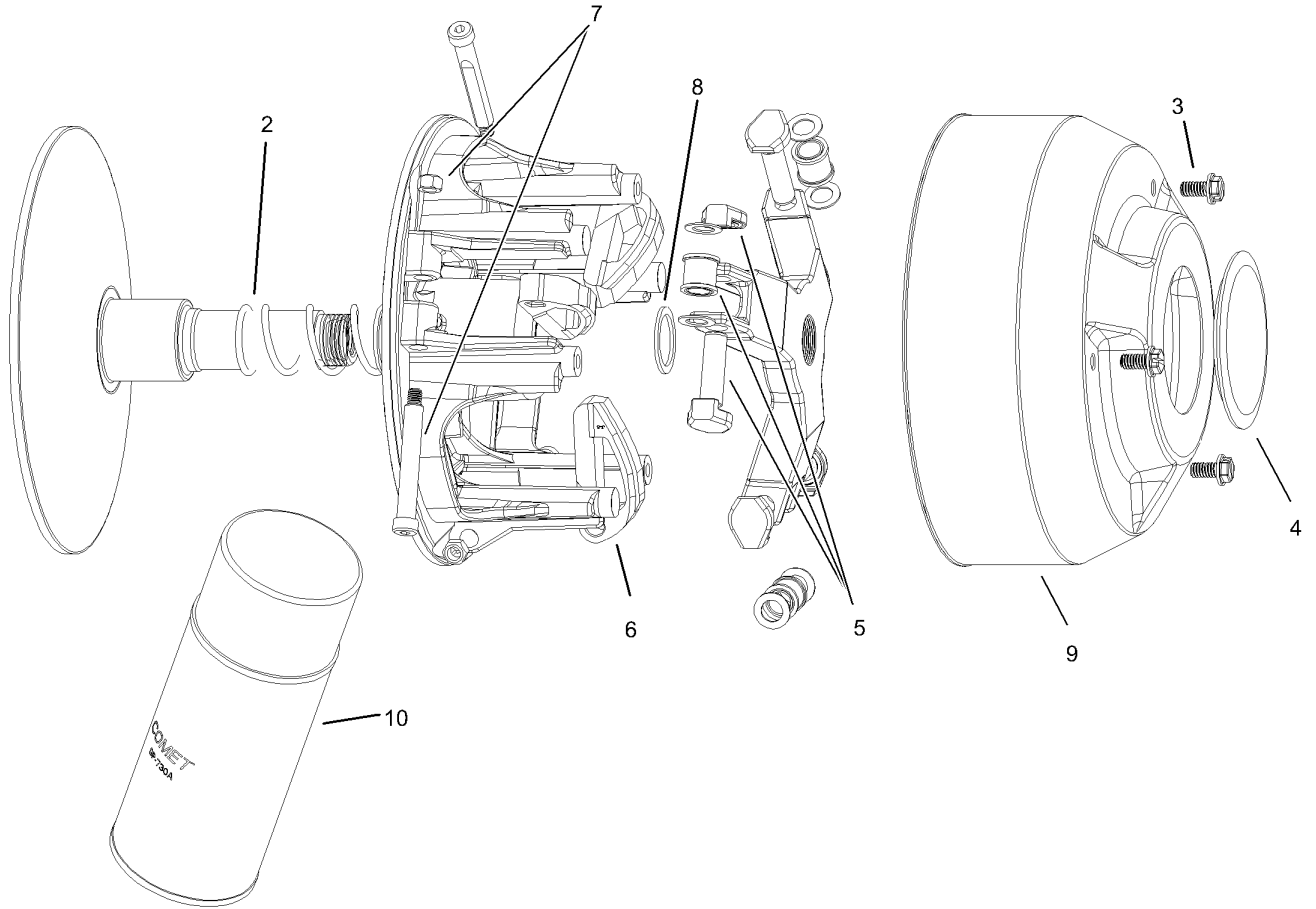
Ref	Part No.	Qty.	Description
1	99-7860	1	Rod-Latch, Right
2	99-7858	1	Bracket-Tailgate Latch, Right
3	99-7893	1	Tailgate ASM
4	99-7334	10	Screw
5	99-7852	2	Plate-Striker
6	99-7859	1	Rod-Latch, Left
7	99-7857	1	Bracket-Tailgate Latch, Left
8	99-7335	4	Screw
9	99-7861	4	Washer-Latch
10	61-8880	2	Spring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



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

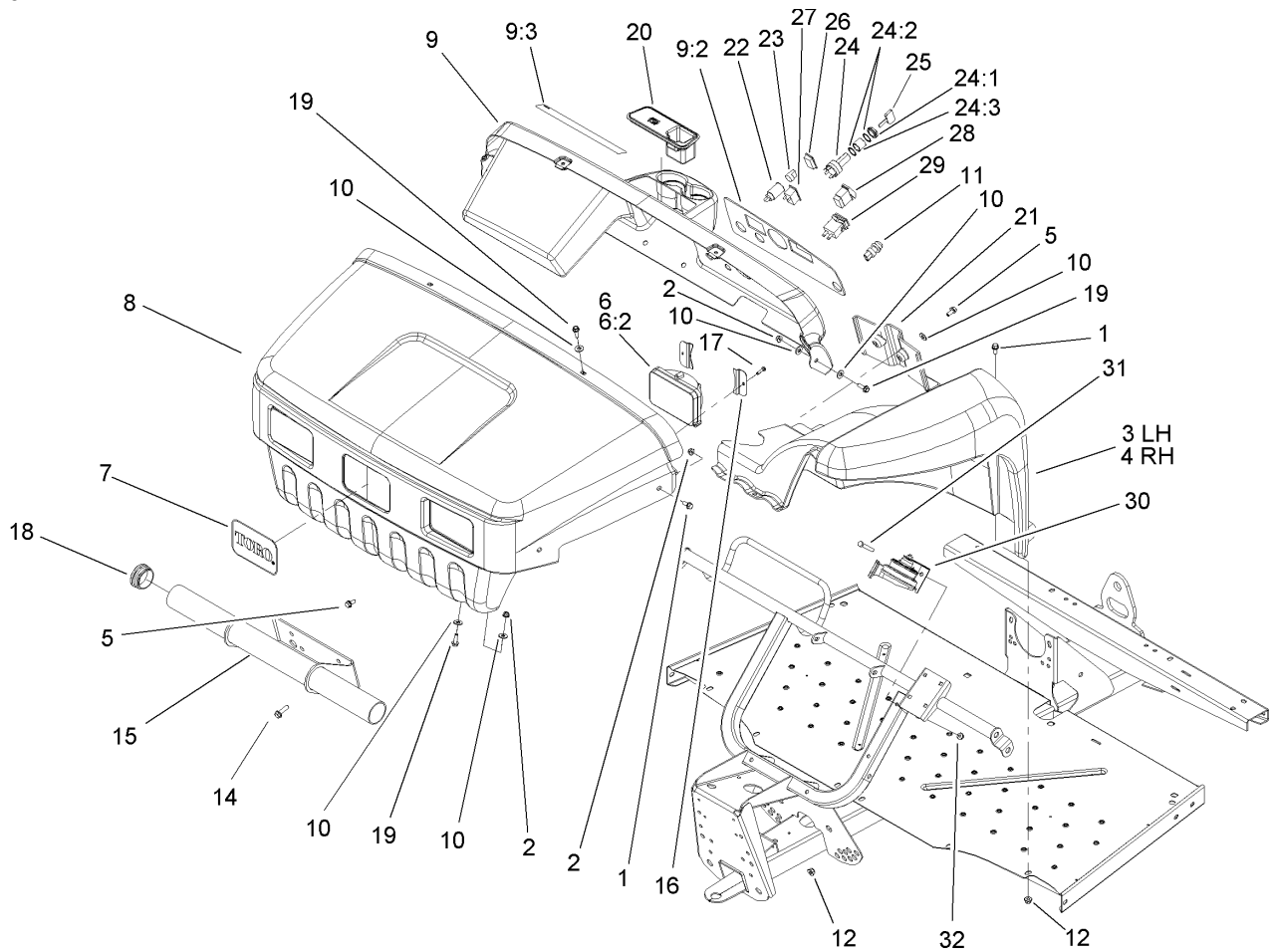
Ref	Part No.	Qty.	Description
25	99-7083	1	Bracket-Intake
26	99-7202	4	Screw
27	2412-3	1	Clamp-Hose
28	104-6475	1	Muffler-Engine
29	104-6476	1	Manifold-Engine
30	104-6477	1	Coupler-Exhaust
31	104-6478	4	Spring-Coupler, Exhaust
32	3274-96	4	Screw
34	99-7377	1	Conduit-Line, Fuel
35	99-7847	1	Ball-Stud
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



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

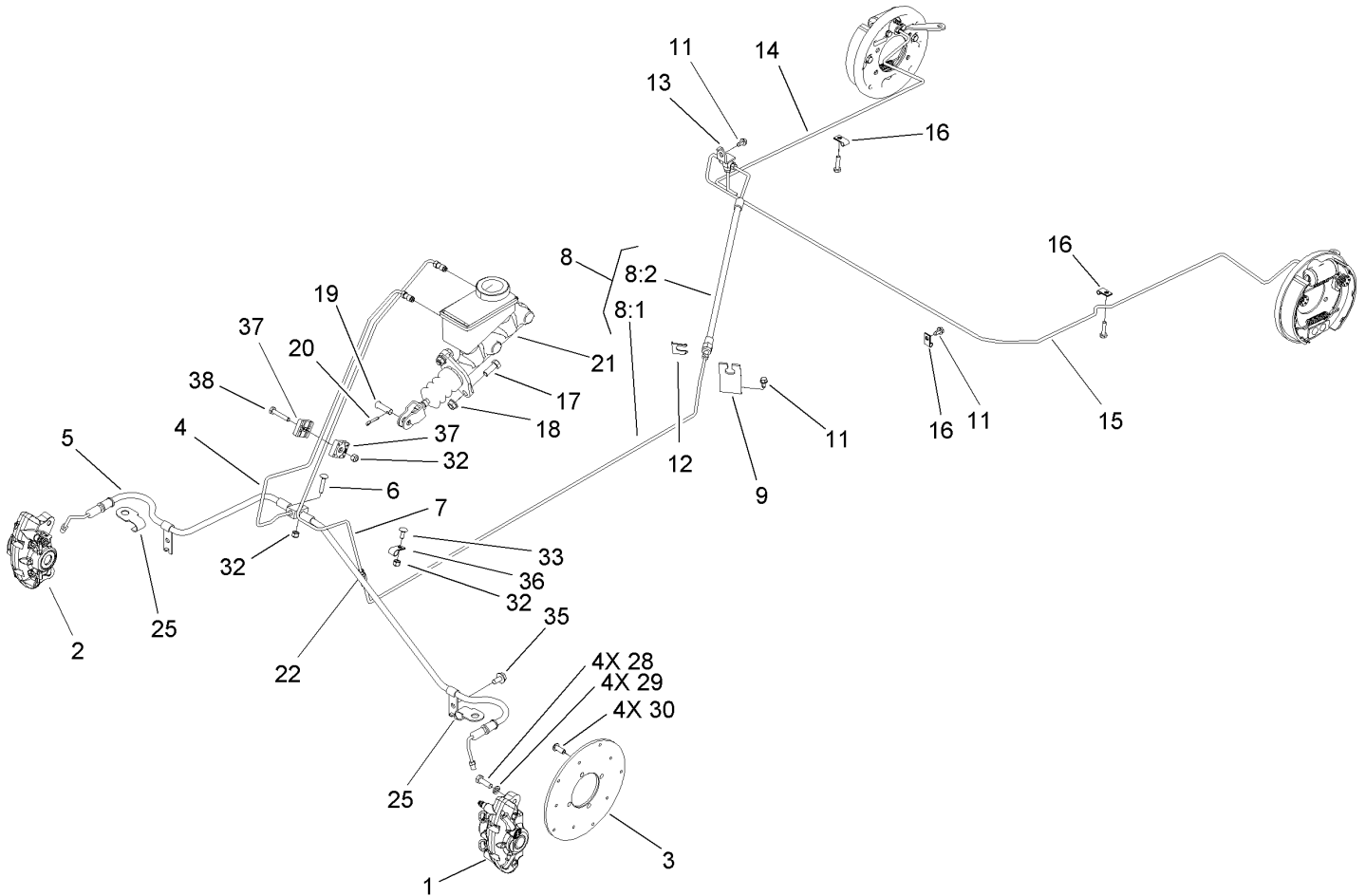
PROTOTYPE



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
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, 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

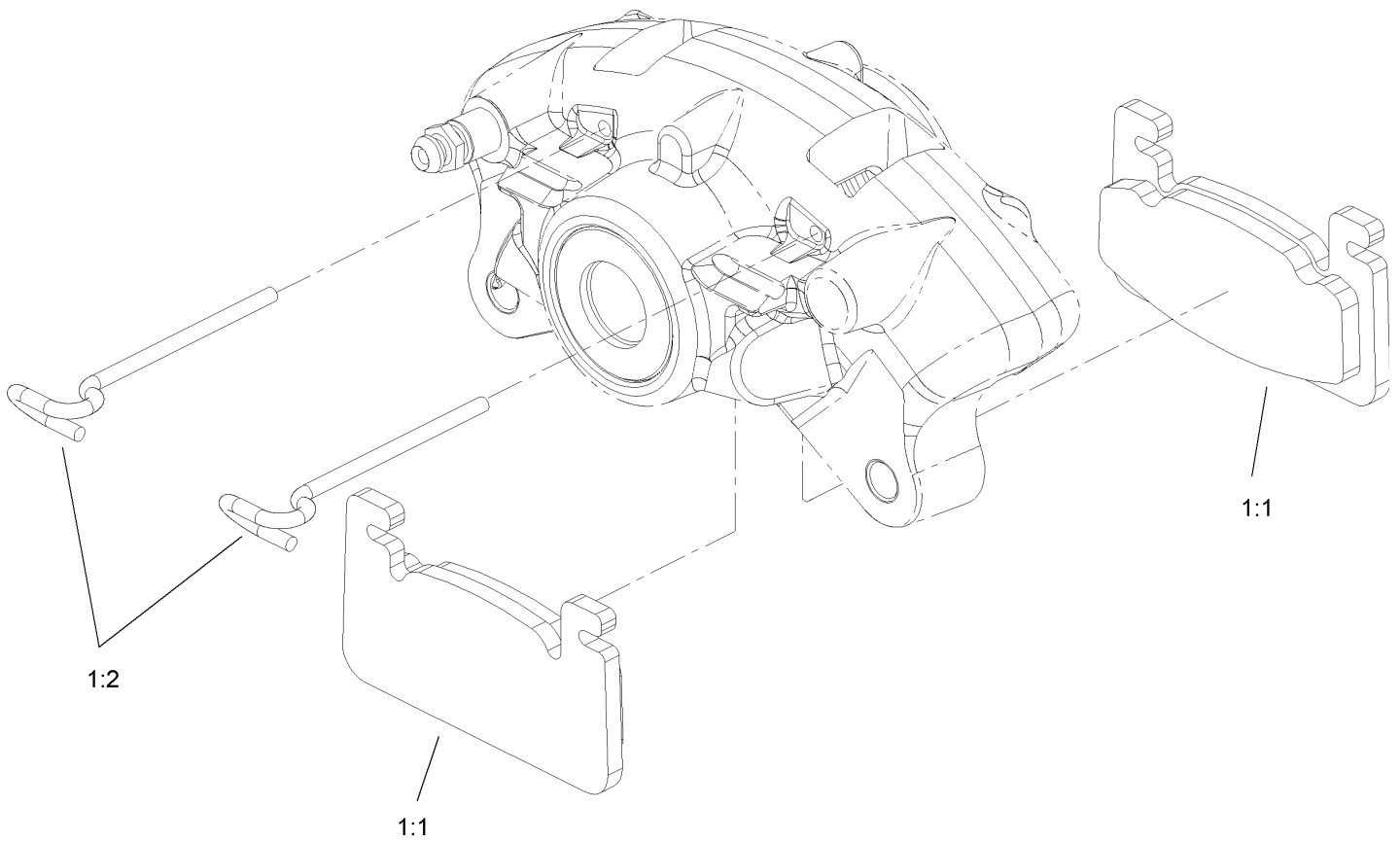
Ref	Part No.	Qty.	Description
22	99-7411	1	Point-Power
23	99-7416	1	Cap
24	104-6929	1	Switch-Ignition
24:1	104-7042	1	Nut-Switch, Plastic
24:2	104-7019	2	Washer-Lock, Internal
24:3	104-7021	1	Spacer-Switch
25	99-7418	2	Key-Ignition
26	99-7420	1	Plug-Hole
27	99-7410	1	Light-Oil
28	95-8999	1	Switch
29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



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
8		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

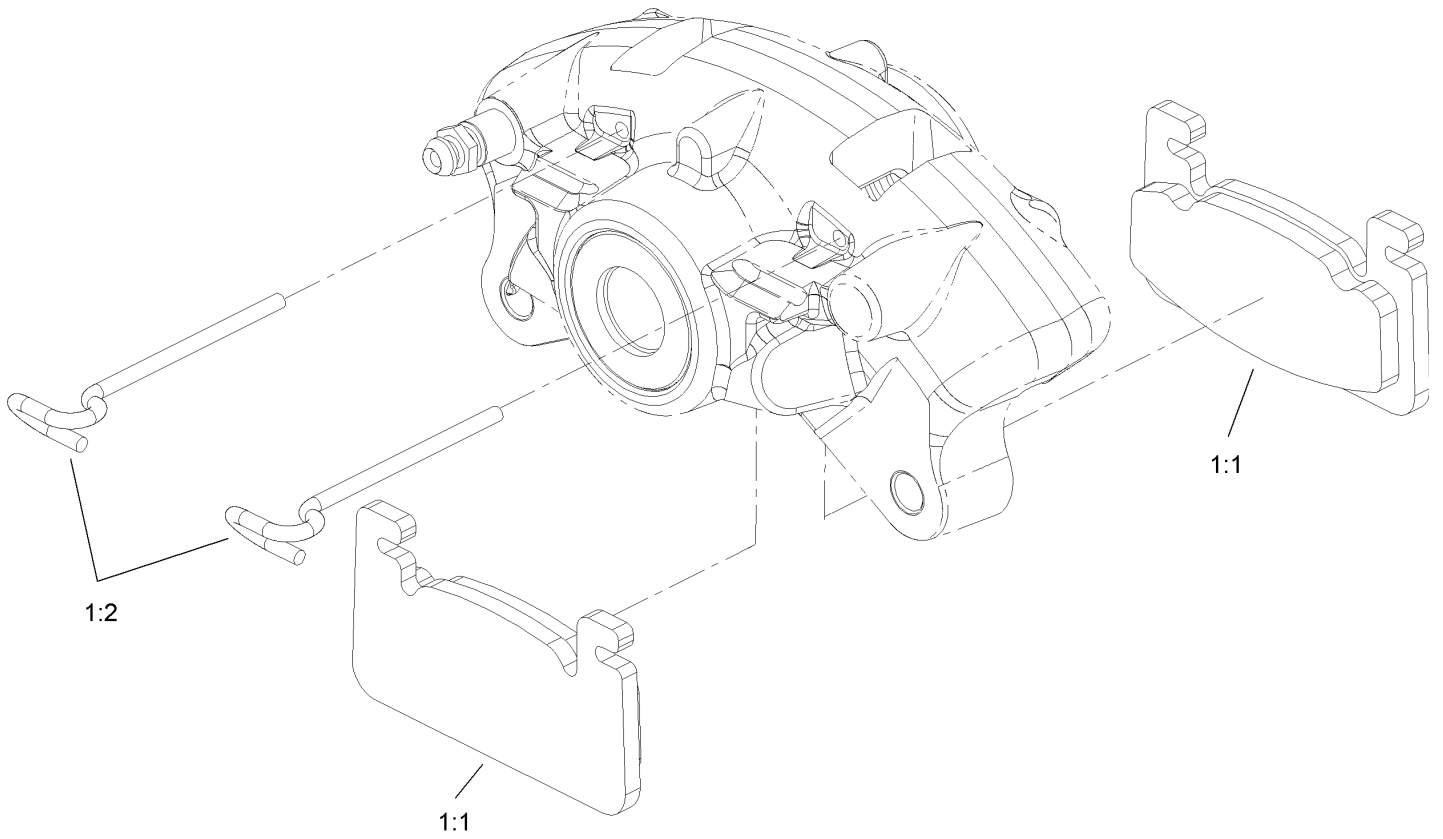
Ref	Part No.	Qty.	Description
28	323-6	4	Screw-HH
29	3253-21	4	Washer-Lock
30	3274-55	8	Screw-HSBH
32	3296-42	3	Nut-Lock, NI
33	3229-11	1	Screw-CARR
35	32144-14	2	Screw-HWH
36	2412-89	1	Clamp
37	87-7660	2	Clamp-Tube
38	321-9	1	Screw-HH



Left Hand Caliper Assembly No. 107-0361

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

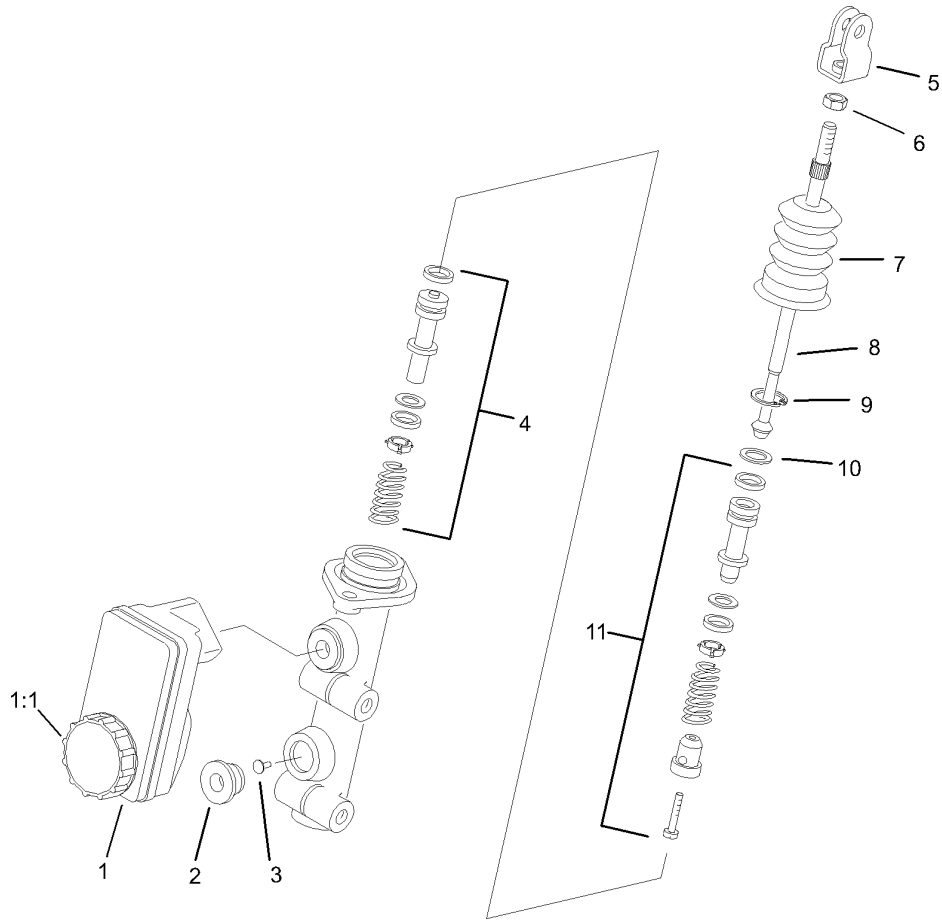
PROTOTYPE



Right Hand Caliper Assembly No. 107-0362

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

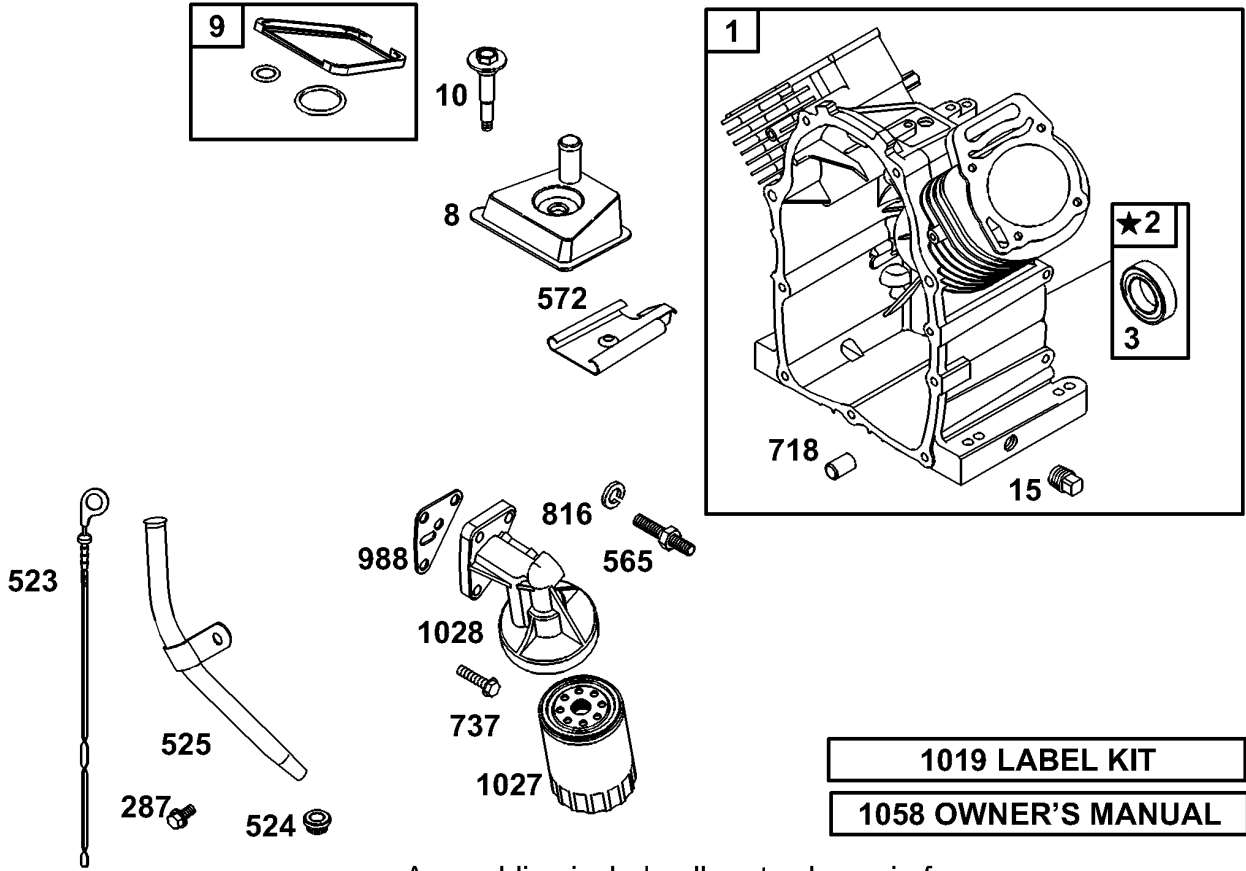
PROTOTYPE



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

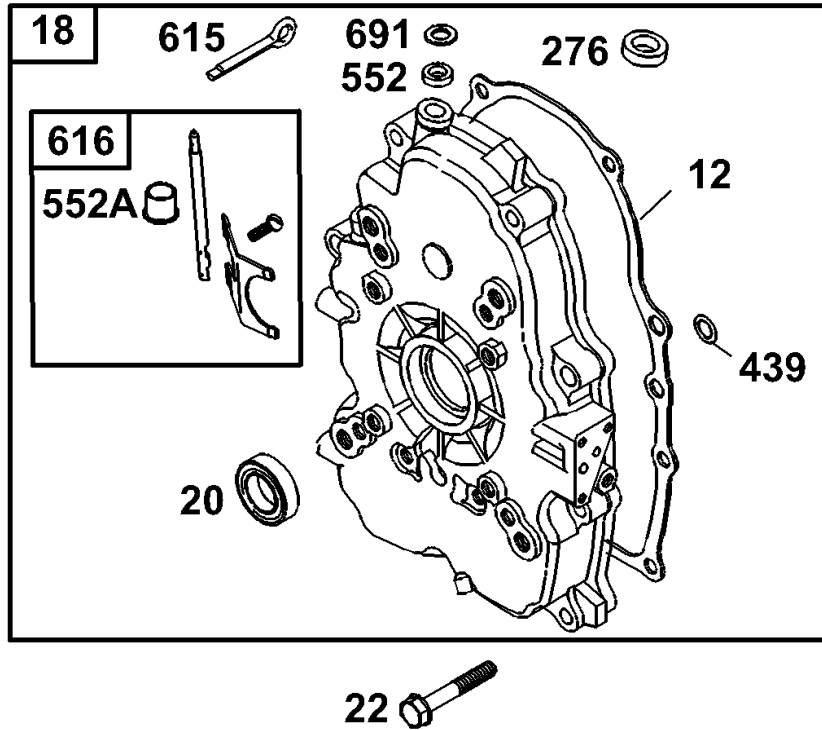


Assemblies include all parts shown in frames.

Cylinder, Oil Filter and Dipstick Assembly

Ref	Part No.	Qty.	Description
1	692178	1	Cylinder ASM
2	808534	1	Bushing/seal Kit (Magneto Side)
3	805101	1	Seal-oil (Magneto Side)
8	808984	1	Breather ASM
9	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
524	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)
988	692063	1	Gasket-adaptor, 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)

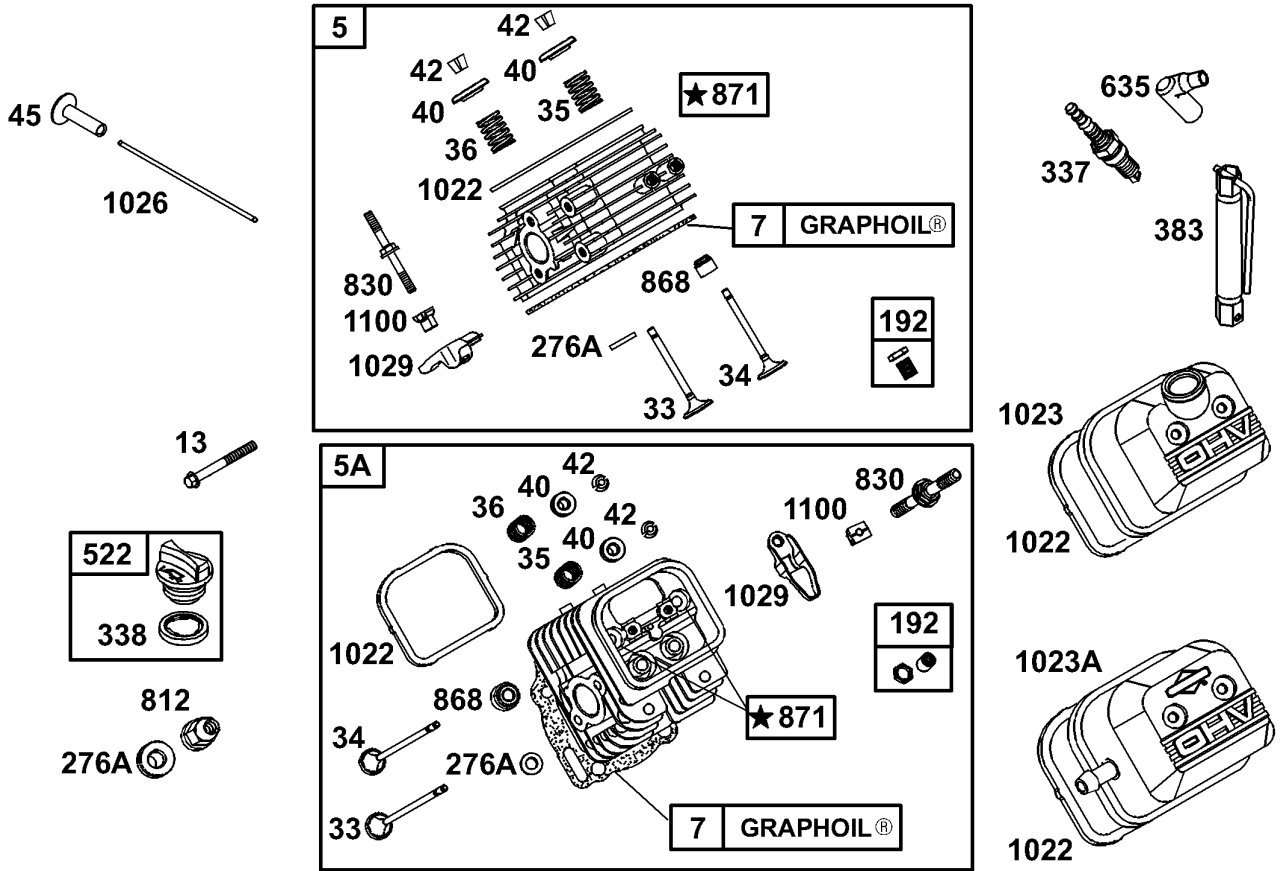
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Assemblies include all parts shown in frames.

Crankcase Assembly

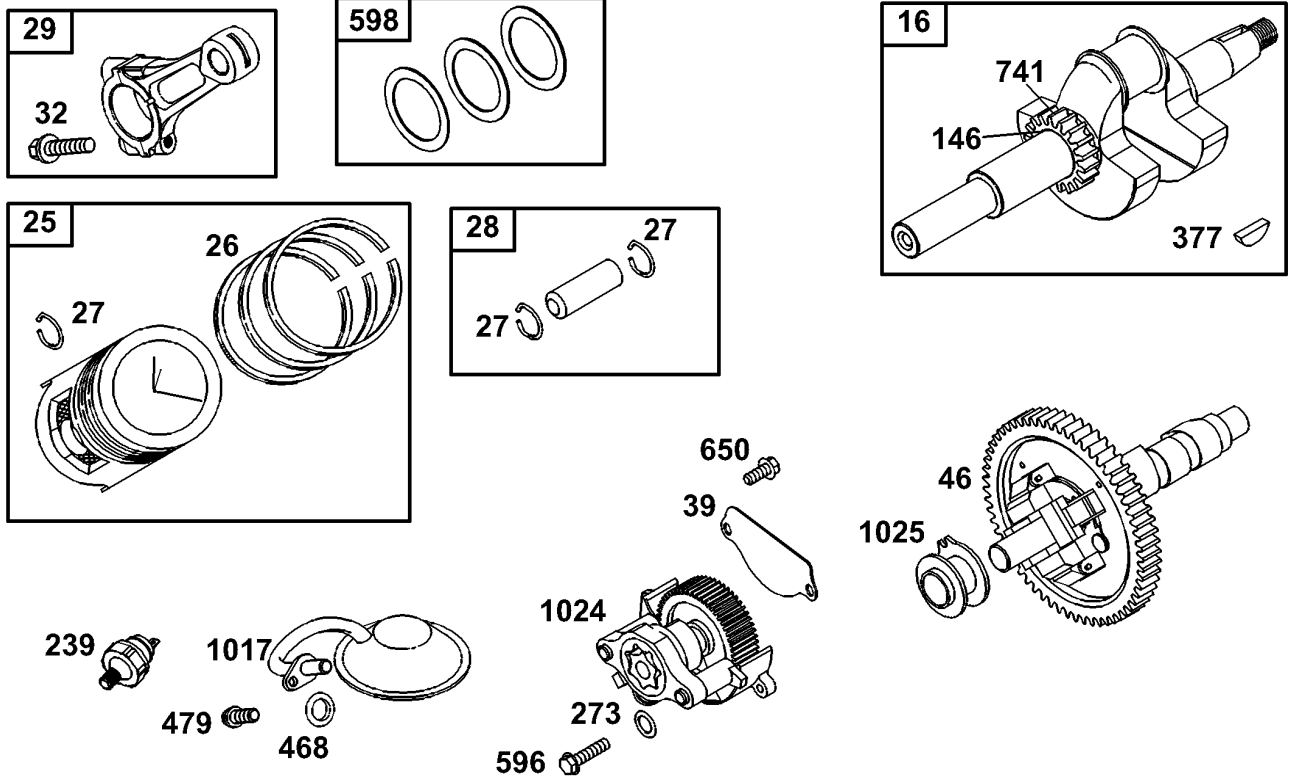
Ref	Part No.	Qty.	Description				
12	691684	1	Gasket—crankcase				
18	808847	1	Cover—crankcase				
20	805049	1	Seal—oil (Pto Side)				
22	692540	1	Screw (Crankcase Cover)				
276	690704	1	Washer—sealing				
439	692154	1	Seal—o Ring (Crankcase Cover)				
552	690701	1	Bushing—crank, Governor				
552A	806686	1	Bushing—crank, Governor				
615	691550	1	Retainer—shaft, Governor				
616	806685	1	Crank—governor				
691	690680	1	Seal—shaft, Governor				



Assemblies include all parts shown in frames.

Cylinder Head and Cover Assembly

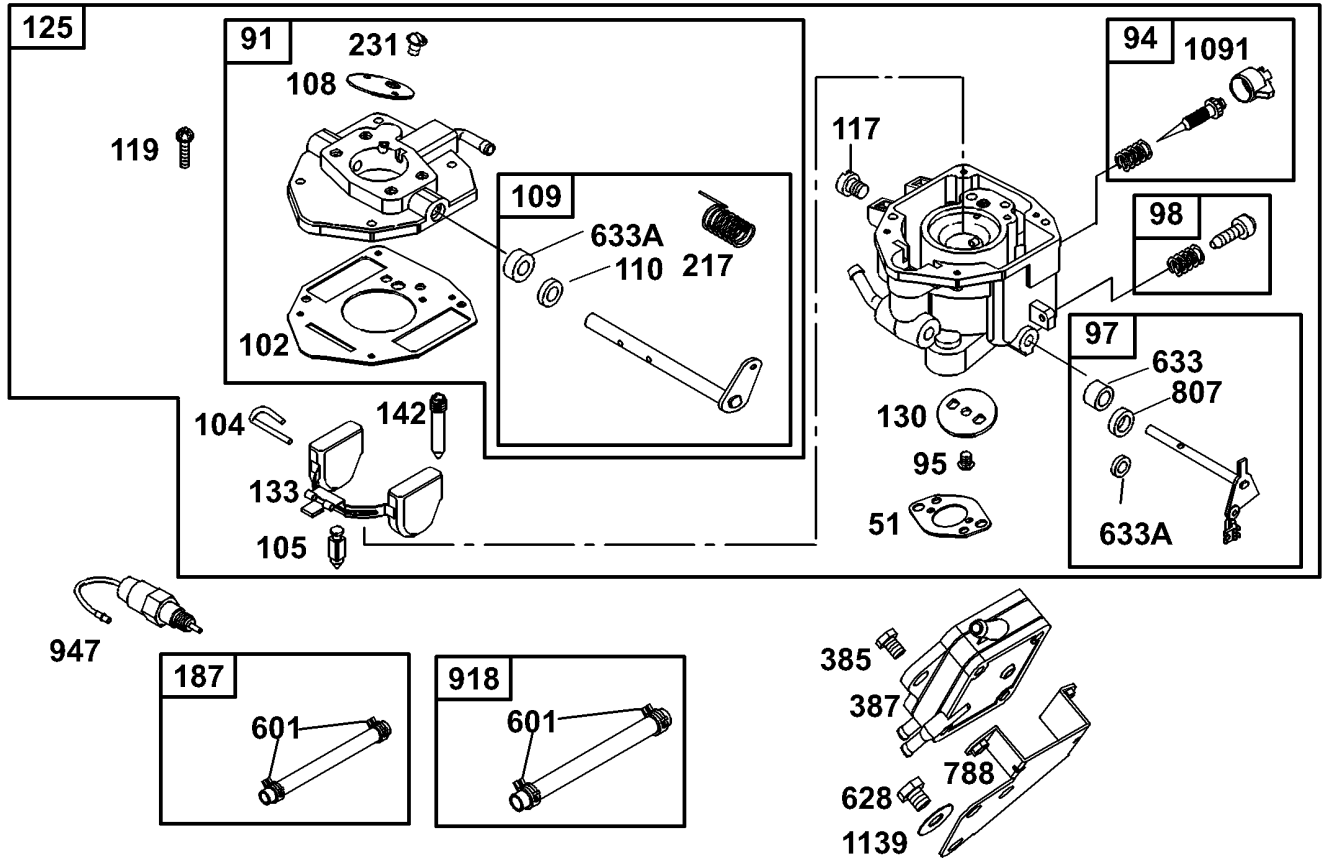
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
5	808381	1	Head-Cylinder (Cylinder No. 1)	1023A	691558	1	Cover-valve
5A	808382	1	Head-Cylinder (Cylinder No. 2)	1026	691836	1	Rod-push (Intake)
③④7	806085	1	Gasket-head, Cylinder		691758	1	Rod-push (Exhaust)
13	692059	1	Screw (Cylinder Head)	1029	691543	1	Arm-Rocker
33	807681	1	Valve-exhaust	1100	690973	1	Pivot-arm, Rocker
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				
③④276A	691766	1	Sealing Washer				
337	491055	1	Plug-spark				
③④338	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				
③④868	691963	1	Seal-valve				
871	692057	1	Bushing-guide, Valve				
③④1022	806039	1	Gasket-cover, Rocker				
1023	690758	1	Cover-valve				



Assemblies include all parts shown in frames.

Crankshaft, Piston and Oil Pump Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
16	692163	1	Crankshaft	650	692539	1	Screw (Cylinder Head Cover)
25	807619	1	Piston ASM (Standard)	741	691530	1	Gear-timing
	807807	1	Piston ASM (.010 Oversize)	1017	690900	1	Screen-pump, Oil
	807809	1	Piston ASM (.020 Oversize)	1024	693185	1	Pump-oil
	807811	1	Piston ASM (.030 Oversize)	1025	690689	1	Spool-governor
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				
273	690681	1	Seal-o Ring (Oil Pump)				
377	808095	1	Key-woodruff				
468	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				

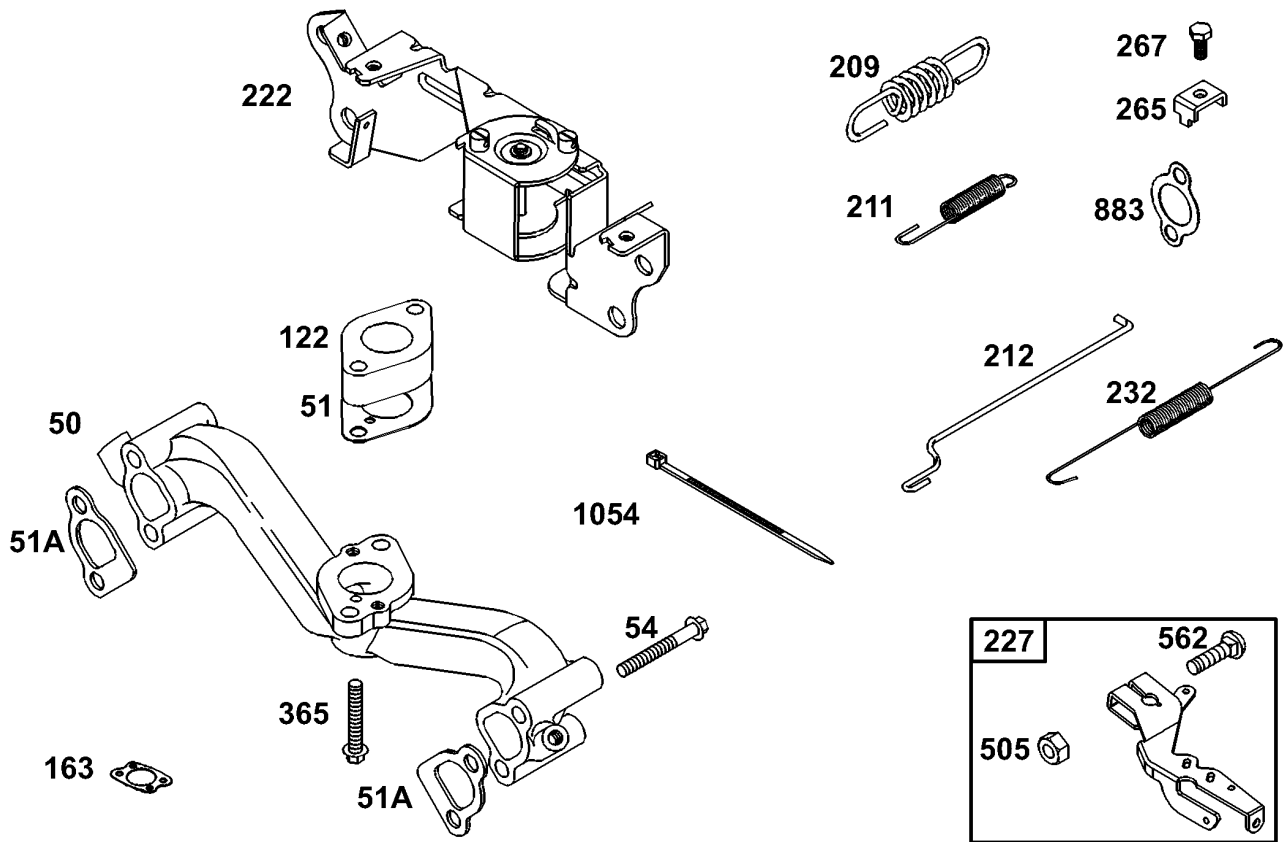


Assemblies include all parts shown in frames.

Carburetor and Fuel Pump Assembly

Ref	Part No.	Qty.	Description
51	691694	1	Gasket-Intake
91	808964	1	Body-carburetor, Upper
94	808257	1	Idle Mixture Kit
95	690718	1	Screw (Throttle Valve)
97	809007	1	Shaft-Throttle
98	808177	1	Screw
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 (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

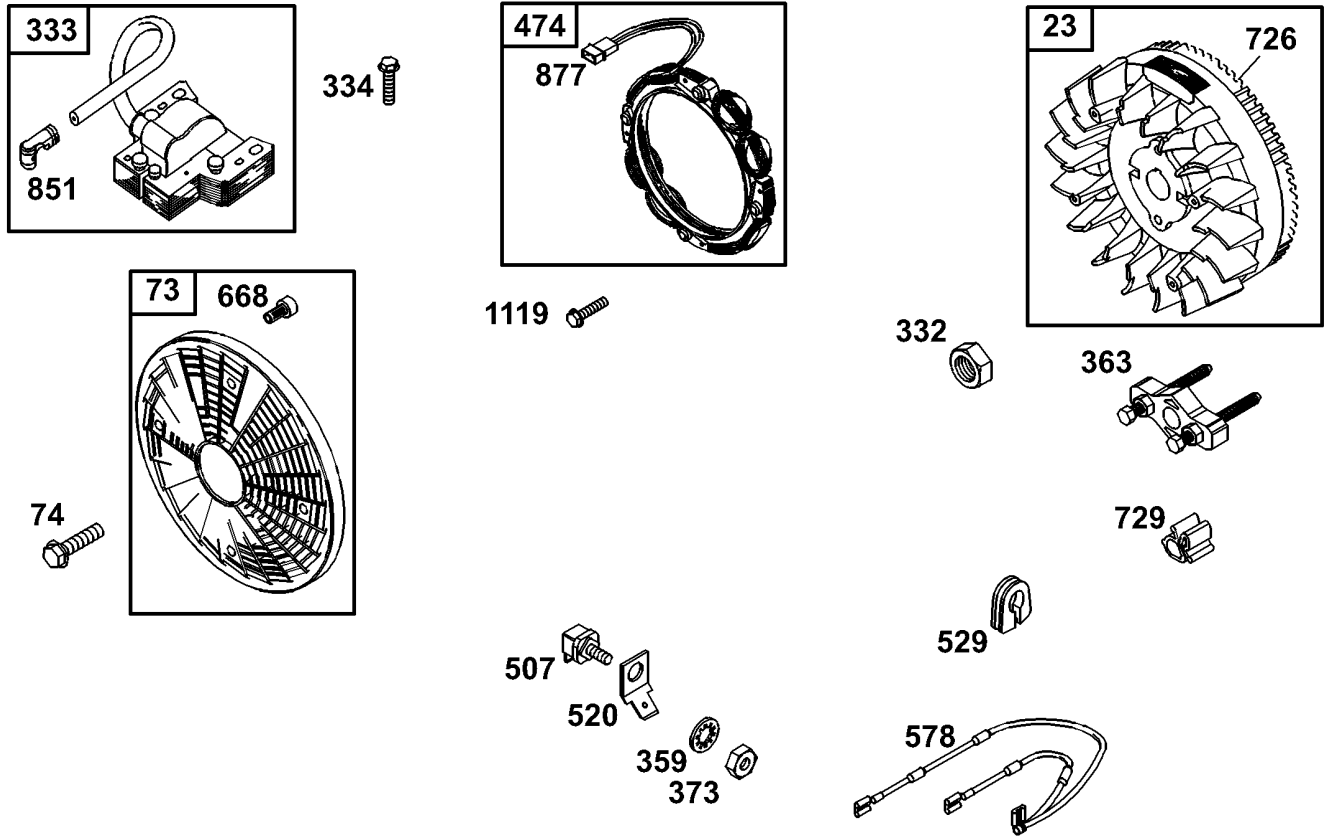
Ref	Part No.	Qty.	Description
628	806660	1	Screw (Fuel Pump Bracket)
633	806131	1	Seal-shaft, Choke/throttle
633A	690722	1	Seal-shaft, Choke/throttle
788	691559	1	Bracket-pump, Fuel
807	805557	1	Collar-Throttle
918	393815	1	Line-vacuum (Cut To Required Length)
947	692094	1	Solenoid-fuel
1091	691516	1	Cap-limiter
1139	806497	1	Washer (Fuel Pump Bracket)



Assemblies include all parts shown in frames.

Manifold Intake and Governor Control Assembly

Ref	Part No.	Qty.	Description
50	690754	1	Manifold-intake
51	691694	1	Gasket-Intake
51A	692035	1	Gasket-intake
54	690676	1	Screw (Intake Manifold)
122	690691	1	Spacer-carburetor
163	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)
883	691613	1	Gasket-exhaust
1054	280275	1	Tie-cable

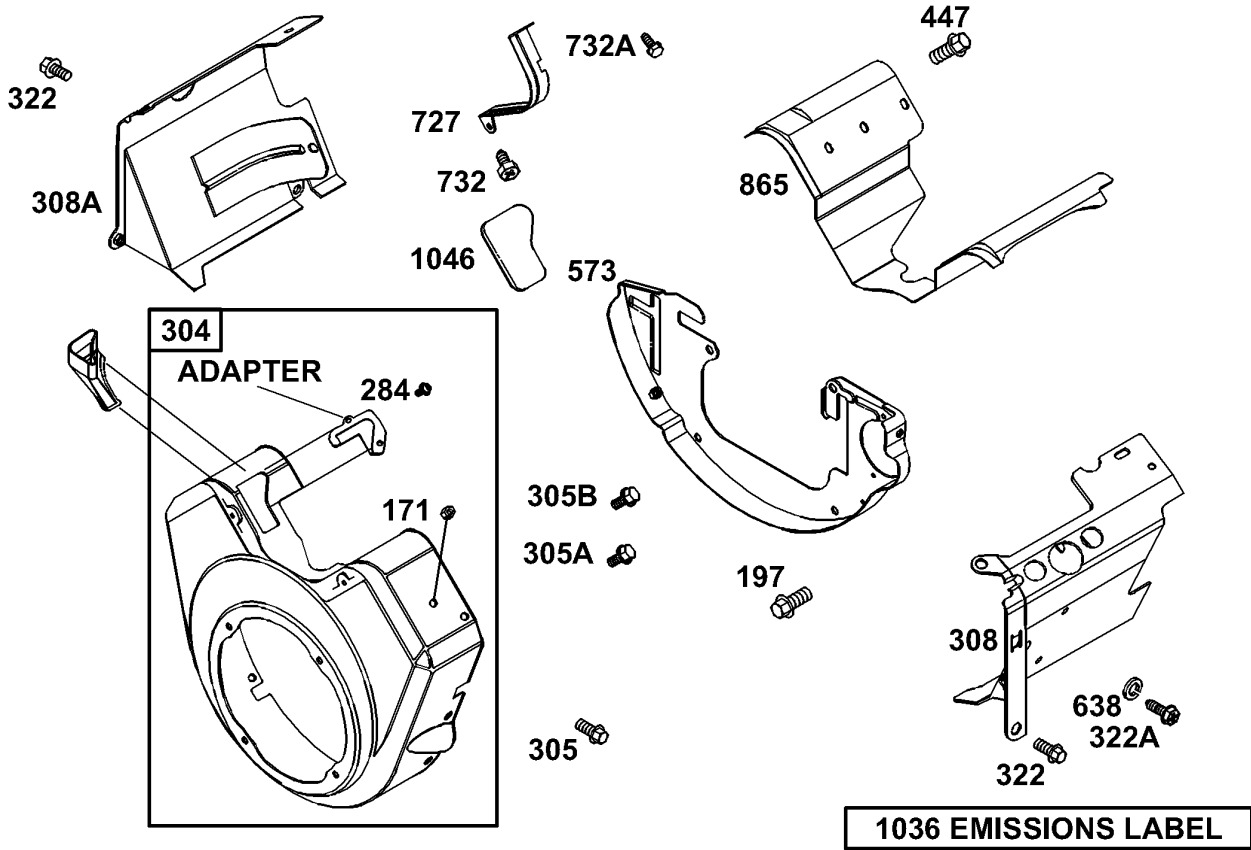


Assemblies include all parts shown in frames.

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

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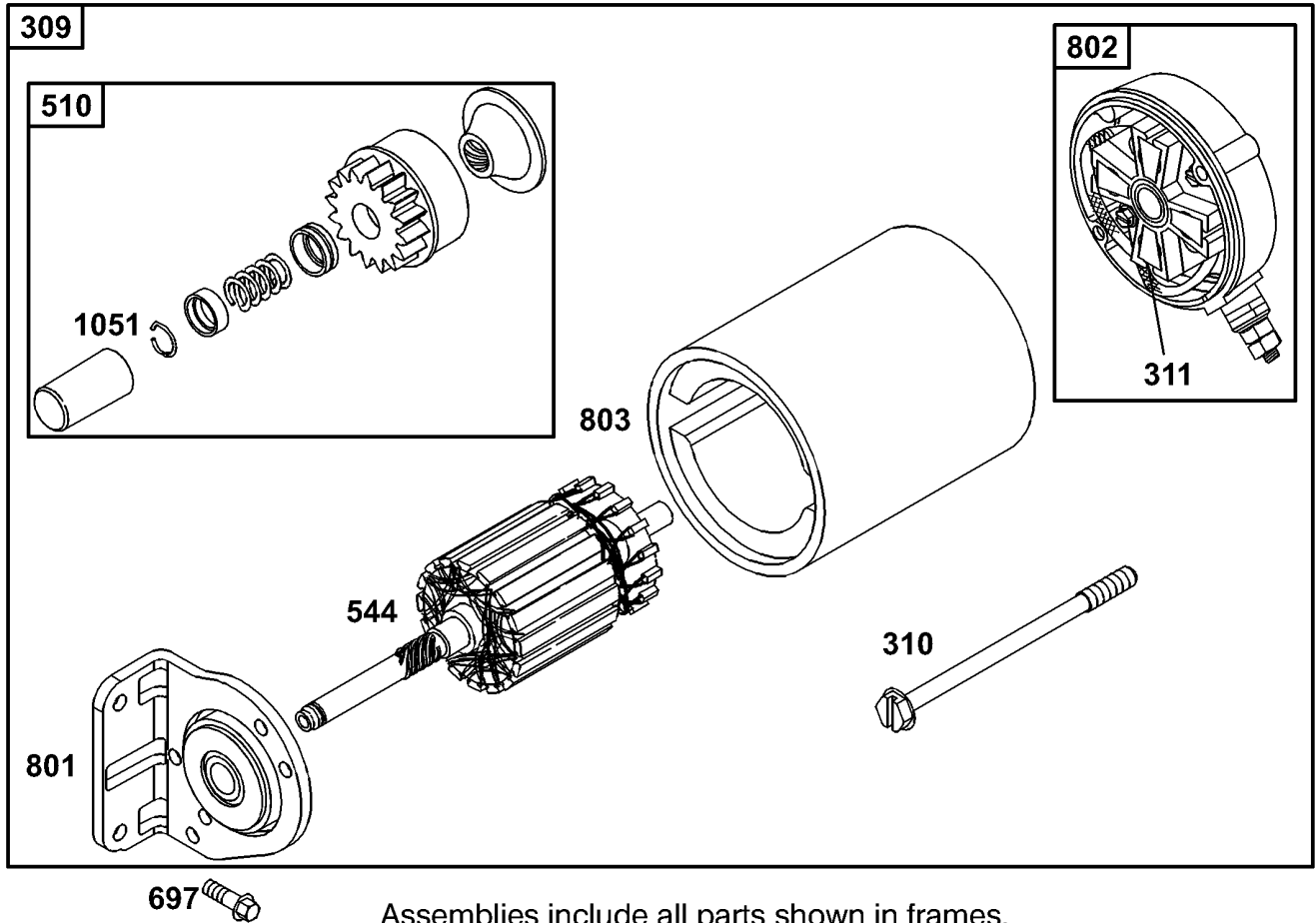


Assemblies include all parts shown in frames.

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

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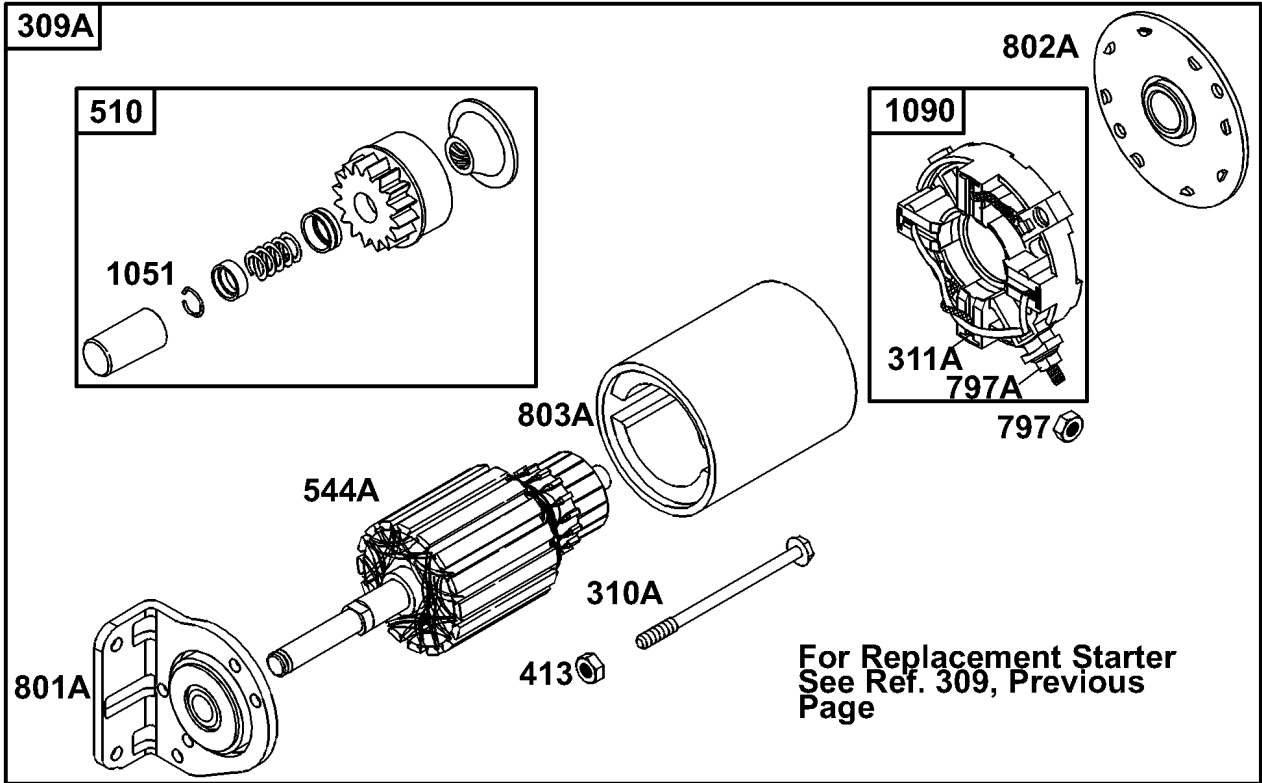


Assemblies include all parts shown in frames.

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

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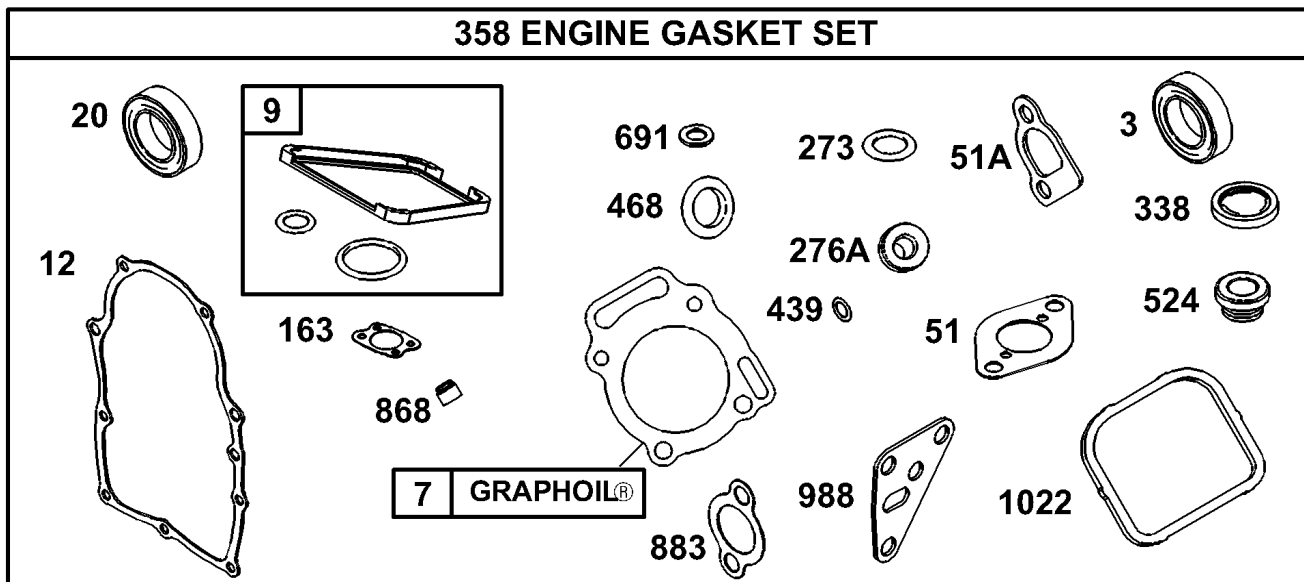


Assemblies include all parts shown in frames.

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

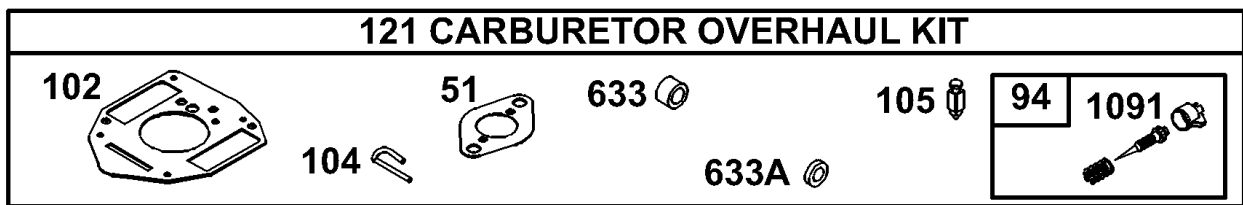
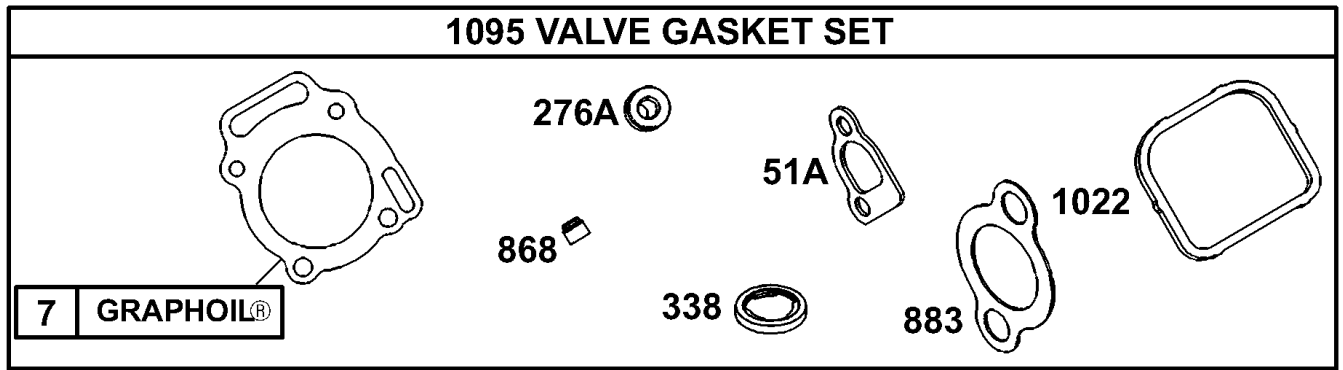
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Assemblies include all parts shown in frames.

Engine Gasket Set

Ref	Part No.	Qty.	Description
③	805101	1	Seal-oil (Magneto Side)
③④	806085	1	Gasket-head, Cylinder
③	807893	1	Breather Gasket
③	691684	1	Gasket-crankcase
③	805049	1	Seal-oil (Pto Side)
③⑤	691694	1	Gasket-Intake
③④	692035	1	Gasket-intake
③	692081	1	Gasket-cleaner, Air
③	690681	1	Seal-o Ring (Oil Pump)
③④	691766	1	Sealing Washer
③④	691312	1	Gasket-dipstick
358	808390	1	Engine Gasket Set
439	692154	1	Seal-o Ring (Crankcase Cover)
③	690690	1	Seal-o Ring (Oil Pump Screen)
③	693172	1	Seal-tube, Dipstick
③	690680	1	Seal-shaft, Governor
③④	691963	1	Seal-valve
③④	691613	1	Gasket-exhaust
③	692063	1	Gasket-adapter, Oil Filter
③④	806039	1	Gasket-cover, Rocker



Assemblies include all parts shown in frames.

Valve Gasket Set and Carburetor Overhaul Kit

Ref	Part No.	Qty.	Description
⑤⑤7	806085	1	Gasket-head, Cylinder
⑤⑤51	691694	1	Gasket-Intake
⑤④51A	692035	1	Gasket-intake
⑤94	808257	1	Idle Mixture Kit
⑤102	692077	1	Gasket-body, Carburetor
⑤104	690723	1	Pin-hinge, Float
⑤105	692078	1	Valve-needle, Float
121	809023	1	Carburetor Overhaul Kit
⑤④276A	691766	1	Sealing Washer
⑤④338	691312	1	Gasket-dipstick
⑤633	806131	1	Seal-shaft, Choke/throttle
⑤633A	690722	1	Seal-shaft, Choke/throttle
⑤④868	691963	1	Seal-valve
⑤④883	691613	1	Gasket-exhaust
⑤④1022	806039	1	Gasket-cover, Rocker
⑤1091	691516	1	Cap-limiter
1095	808392	1	Valve Gasket Set

NOTES

PROTOTYPE



PROTOTYPE