Form Number 3329-631

Sand Pro® 3020

Model No. 08885 - 230000501 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.

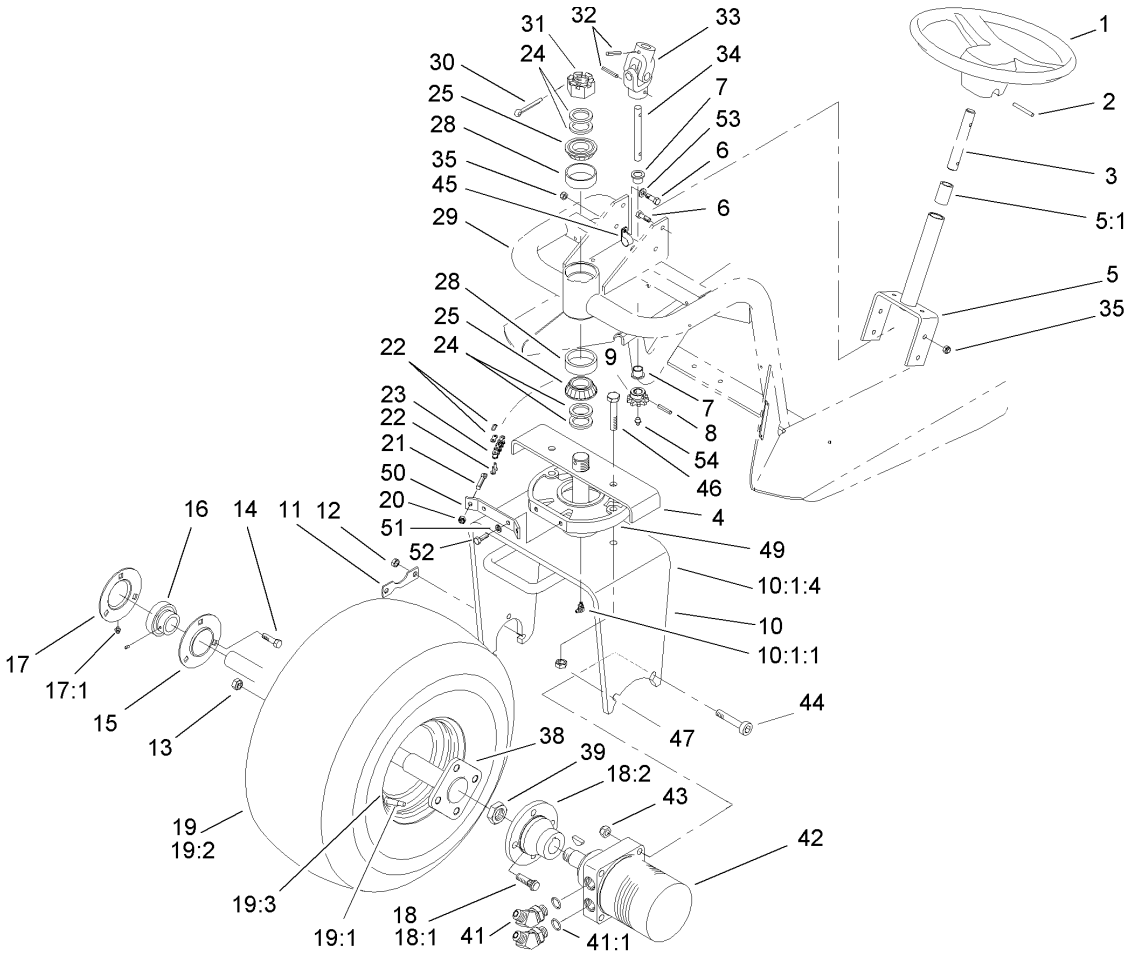
AR. . . . . as required
ASM. . . . . assembly
CARR. . . . . carriage
DEG. . . . . degrees
FH. . . . . flat head
GA. . . . . gauge
HF. . . . . hex flange
HH. . . . . hex head
HHF. . . . . hex head flange
HHFTF. . . . . hex head flange thread forming
HJ. . . . . hex jam
HLH. . . . . hex lag head
HOC. . . . . 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

Footnotes

❶ Not illustrated
❷ Not serviced separately
❸ Included in Engine Gasket Set-Part No. 808390.
❹ Included in Valve Gasket Set-Part No. 808392.
❺ Included in Valve Gasket Set-Part No 808392.
❻ Included in Carburetor Overhaul Kit-Part No. 808273.

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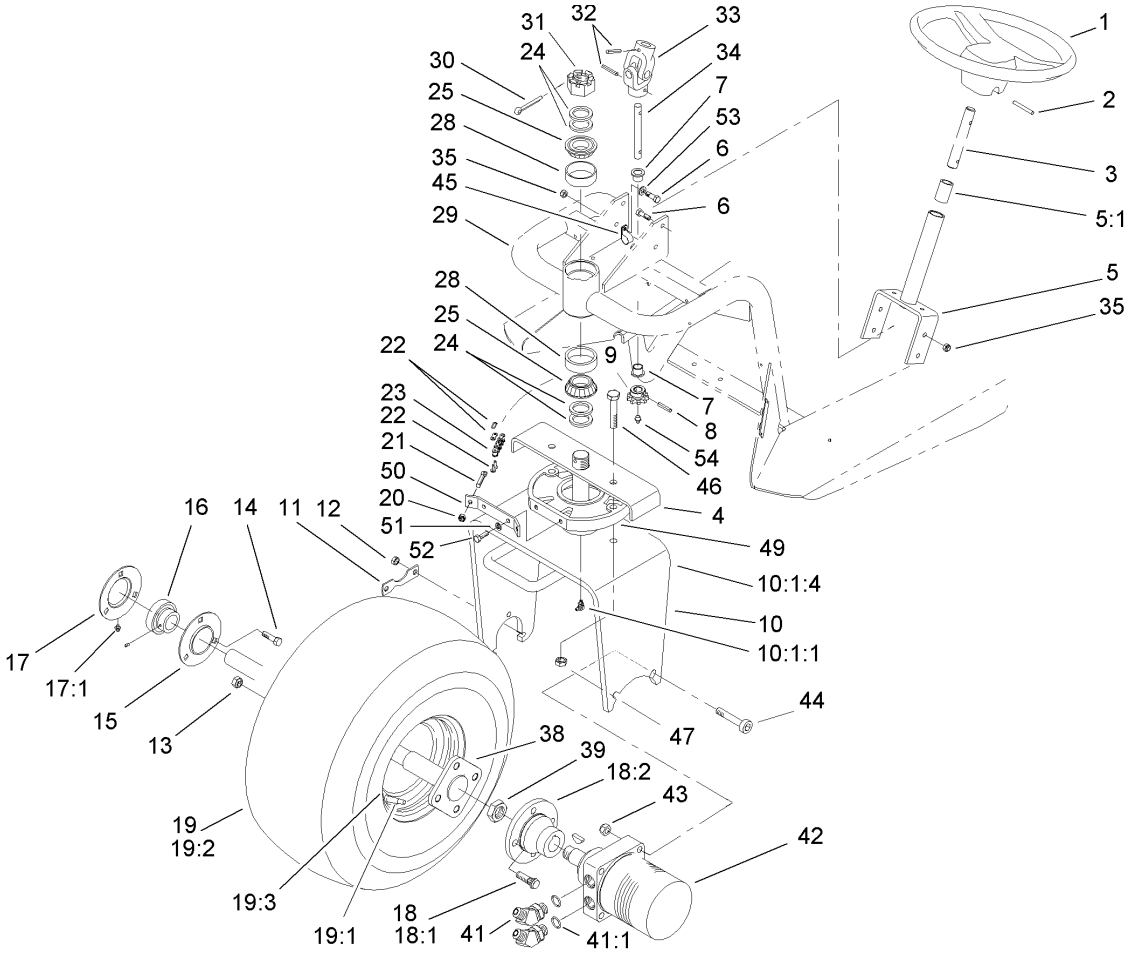
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Front Wheel and Steering Assembly

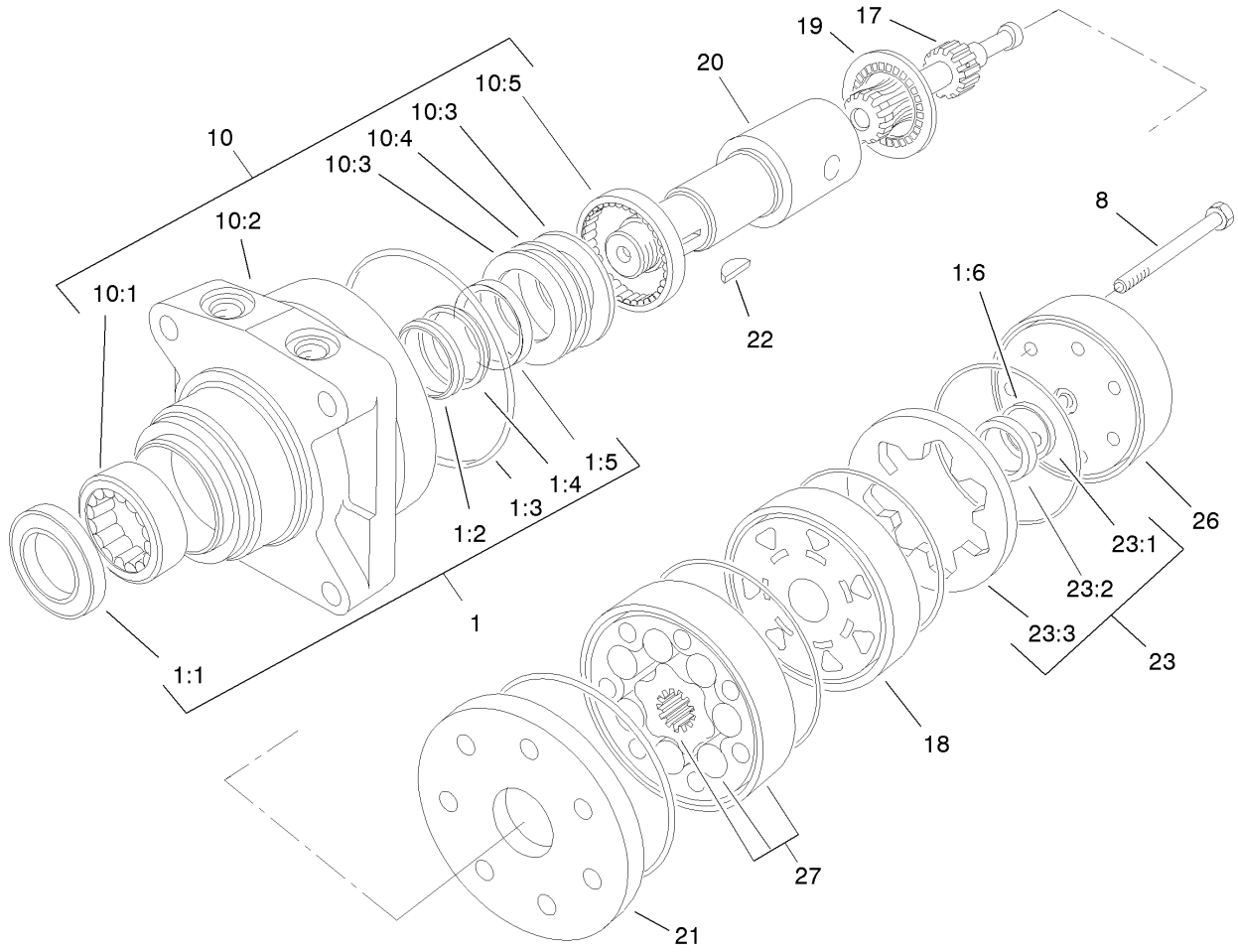
Ref	Part No.	Qty.	Description
1	76-1420	1	Wheel-Steering
2	32121-111	1	Pin-Roll
3	85-6610	1	Shaft-Steering
4	92-7179-01	1	Plate-Stop, Fork
5	92-5035	1	Steering Post ASM
5:1	256-185	1	Bushing
6	322-5	4	Screw-HH
7	65-8770	2	Bushing-Bellcrank
8	98-0973	1	Pin-Grooved
9	85-9180	1	Sprocket-Steering
❷10		1	Fork ASM
10:1:1	302-33	1	Fitting-Grease
10:1:4	98-0950-01	1	Fork
11	88-8350	1	Tab-Bearing
12	3296-39	3	Nut-Lock, NI
13	242-50	4	Nut-Lug
14	323-29	3	Screw-HH
15	85-8950	1	Flangette-STD
16	251-352	1	Bearing
17	85-8940	1	Flangette-Relube
17:1	302-5	1	Fitting-Grease
❷18		1	Front Wheel Hub ASM
18:1	10-6830	4	Stud-Type, Drive
18:2	93-6838-03	1	Hub-Wheel
❷19		1	Wheel And Tire ASM

Ref	Part No.	Qty.	Description
19:1	232-35	1	Valve Stem And Cap ASM
19:2	85-8290	1	Tire
19:3	94-6116	1	Wheel-Rear
20	3296-4	2	Nut-Lock, NI
21	18-6380	2	Pin-Adjustment, Steering
22	2710-11	2	Link-Chain
23	92-5039	1	Chain-Steering
24	18-6320	4	Washer-Steering
25	254-70	2	Bearing-Cone
28	254-61	2	Bearing-Cup
29	95-0600-01	1	Frame
30	3272-37	1	Pin-Cotter
31	32136-9	1	Nut-SHH
32	32121-15	2	Pin-Roll
33	85-9200	1	Knuckle-Steering
34	98-0928	1	Shaft-Steering, Lower
35	3296-29	4	Nut-Lock, NI
38	92-8969	1	Spindle
39	26-3790	1	Nut-Lock
41	353-427	2	Fitting-45 DEG
41:1	237-80	1	O-Ring
42	75-9830	1	Motor-HYD
43	3296-23	2	Nut-Lock, NI
44	3274-93	2	Screw-HSH
45	94-6821	2	Clamp-Wire



Front Wheel and Steering Assembly (continued)

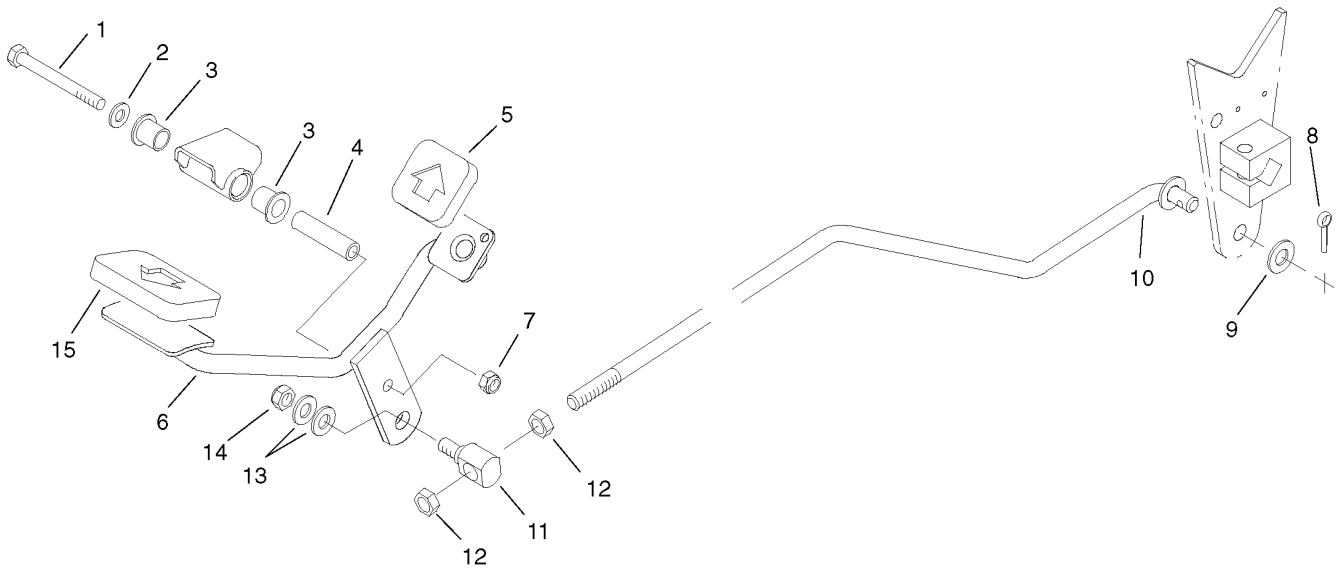
Ref	Part No.	Qty.	Description
46	325-10	2	Screw-HH
47	3296-25	2	Nut-Lock, NI
49	98-0924-01	1	Guide-Chain
50	98-0925	1	Bracket-Chain
51	3253-4	2	Washer-Lock
52	322-3	2	Screw-HH
53	3256-23	2	Washer-Flat
54	302-2	1	Fitting-Grease



Hydraulic Drive Motor Assembly No. 75-9830

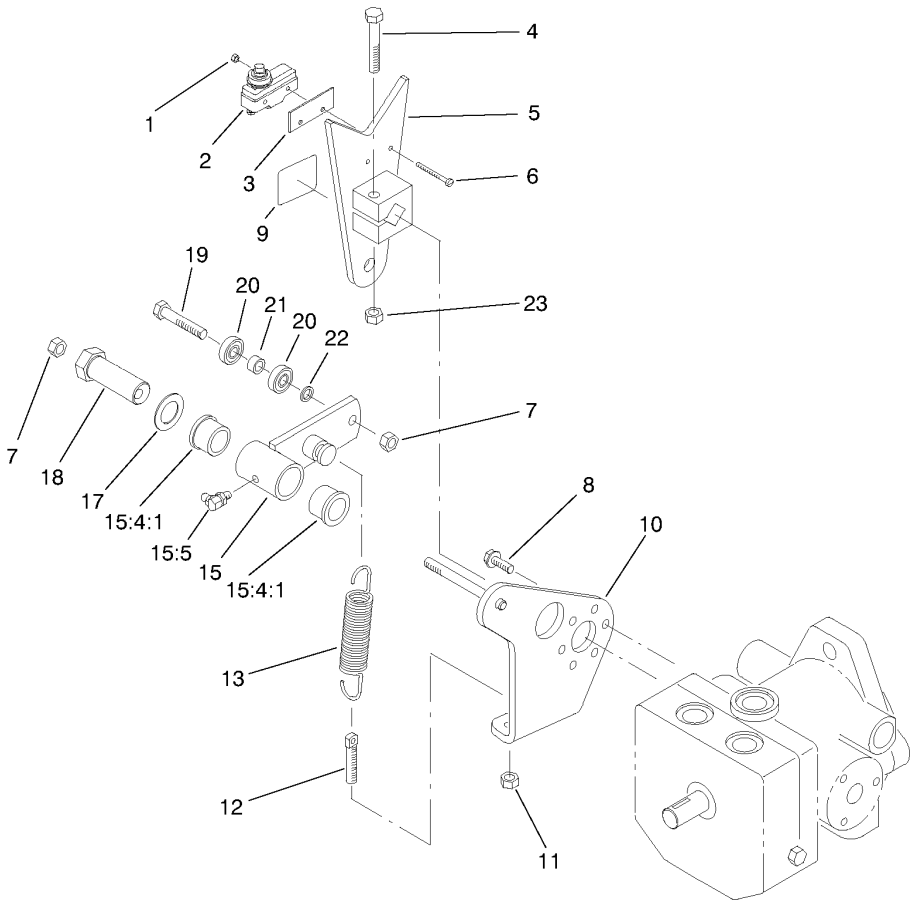
Ref	Part No.	Qty.	Description
1	94-8178	1	Seal Kit
❷1:1		1	Seal-Dirt And Water
❷1:2		1	Washer-Backup
❷1:3		5	Seal-Ring
❷1:4		1	Washer-Backup
❷1:5		1	Seal-Inner
❷1:6		1	Seal-Commutator
8	76-1030	7	Screw-HH
10	76-0810	1	Housing ASM
❷10:1		1	Bearing
❷10:2		1	Housing
❷10:3		2	Washer-Thrust
❷10:4		1	Bearing-Thrust
❷10:5		1	Bearing
17	76-0930	1	Link-Drive
18	76-0840	1	Manifold
19	76-0850	1	Bearing-Thrust
20	76-0860	1	Shaft-Coupling
21	76-0870	1	Plate-Wear
22	3257-42	1	Key-Woodruff
23	76-0880	1	Commutator ASM
❷23:1		1	Seal-Commutator
❷23:2		1	Commutator
❷23:3		1	Ring-Commutator

Ref	Part No.	Qty.	Description
26	76-0940	1	End Cover ASM
27	76-0950	1	Rotor Set



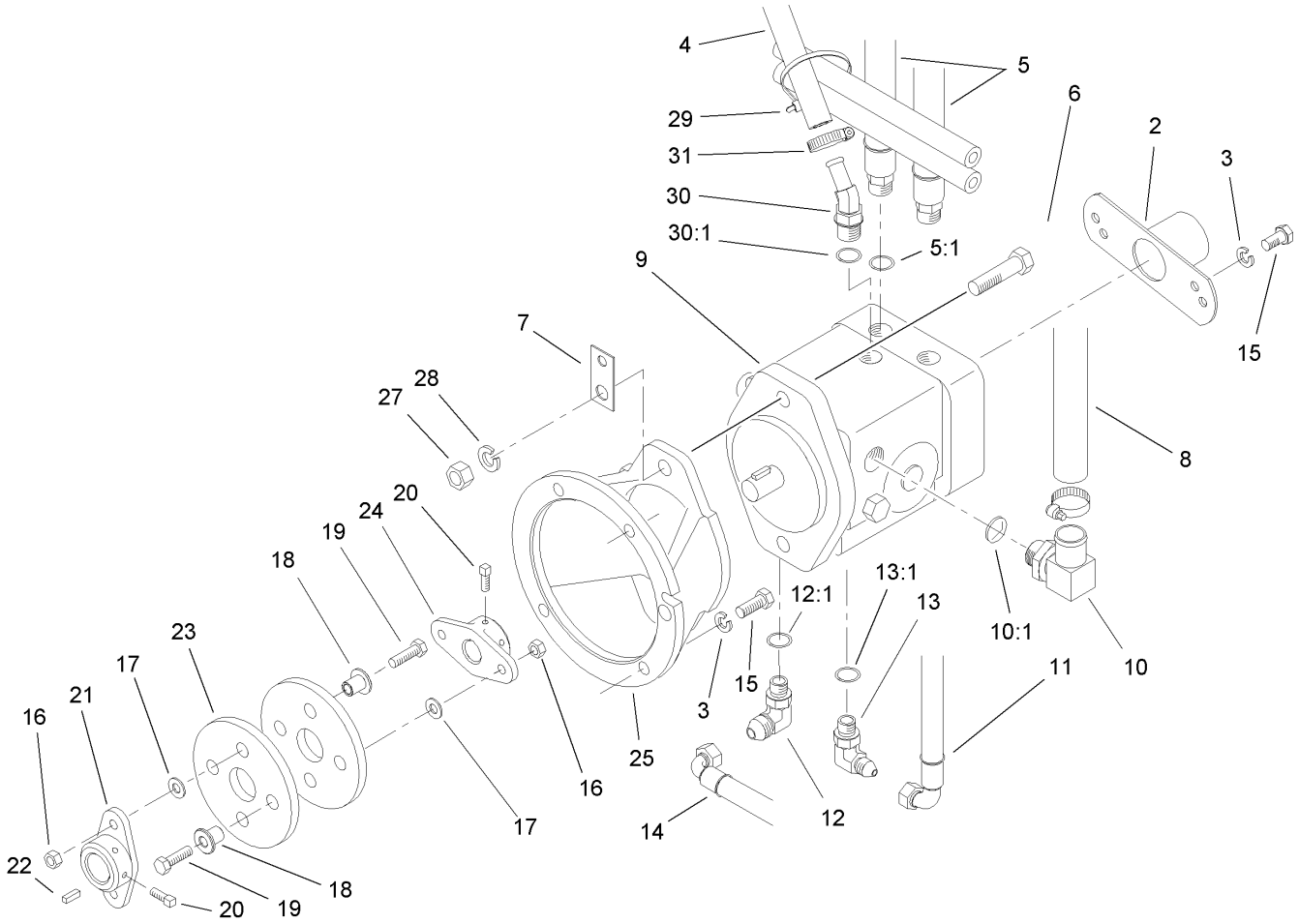
Traction Pedal Assembly

Ref	Part No.	Qty.	Description
1	322-14	1	Screw-HH
2	3256-23	1	Washer-Flat
3	256-219	2	Bushing
4	85-8960	1	Spacer
5	74-9110	1	Pad-Pedal, Reverse
6	92-2343-01	1	Pedal
7	3296-29	1	Nut-Lock, NI
8	3272-16	1	Pin-Cotter
9	3256-25	1	Washer-Flat
10	95-0584	1	Rod-Control
11	92-2344	1	Trunnion
12	3218-5	2	Nut-Jam
13	3256-24	2	Washer-Flat
14	3296-39	1	Nut-Lock, NI
15	74-9100	1	Pad-Pedal, Forward



Pump Control Lever Assembly

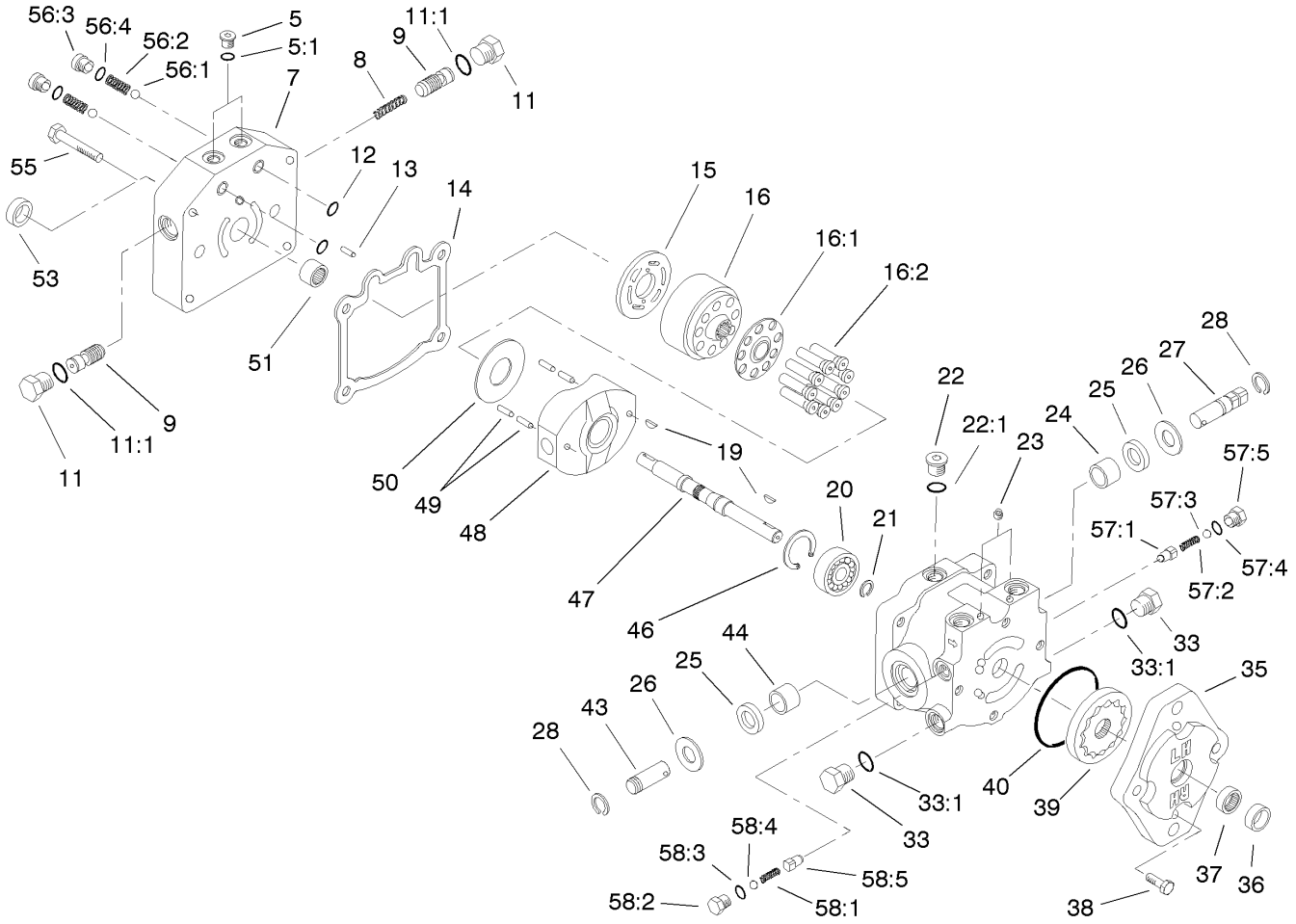
Ref	Part No.	Qty.	Description
1	3296-9	2	Nut-Lock, NI
2	29-6163	1	Switch-Micro
3	85-9150	1	Plate-Switch
4	323-10	1	Screw-HH
5	85-8300-03	1	Lever-Pump
6	32105-21	2	Screw-HH
7	3296-29	2	Nut-Lock, NI
8	49-2040	3	Screw-Tapping
9	93-9051	1	Decal-Bolt, Eccentric
10	95-0553-03	1	Plate-Pump
11	3296-4	1	Nut-Lock, NI
12	18-6380	1	Pin-Adjustment, Steering
13	85-9030	1	Spring-Extension
15	85-8460	1	Switch Arm ASM
15:4:1	256-113	2	Bushing-Flange
15:5	302-60	1	Fitting-Grease
17	3-6498	1	Washer-Thrust
18	76-8640	1	Stud-Traction
19	322-8	1	Screw-HH
20	251-307	2	Bearing-Ball
21	85-9120	1	Spacer-Pivot, Tilt
22	75-5470	1	Spacer-Bearing
23	3296-39	1	Nut-Lock, NI



Hydraulic Pump Installation Assembly

Ref	Part No.	Qty.	Description
2	95-0632-03	1	Cover ASM
3	3253-5	6	Washer-Lock
4	98-8153	1	Hose-Return
5	95-0595	2	Hose-HYD
5:1	237-79	1	O-Ring
6	325-7	2	Screw-HH
7	26-2950	1	Wire-Standoff
8	95-0555	1	Hose-Suction
9	106-9248	1	Pump-Reversible, Variable
10	95-0629	1	Fitting-Hose, Push On
10:1	237-80	1	O-Ring
11	95-0592	1	Hose ASM
12	353-511	1	Elbow-90 DEG
12:1	237-42	1	O-Ring
13	353-374	1	Elbow-90 DEG
13:1	237-42	1	O-Ring
14	95-0591	1	Hose-HYD
15	323-6	6	Screw-HH
16	3296-29	4	Nut-Lock, NI
17	3256-23	4	Washer-Flat
18	71-4411	4	Spacer
19	322-7	4	Screw-HH
20	3241-5	4	Screw-Set
21	27-1960	1	Hub-Engine
22	13-2840	1	Key-Square

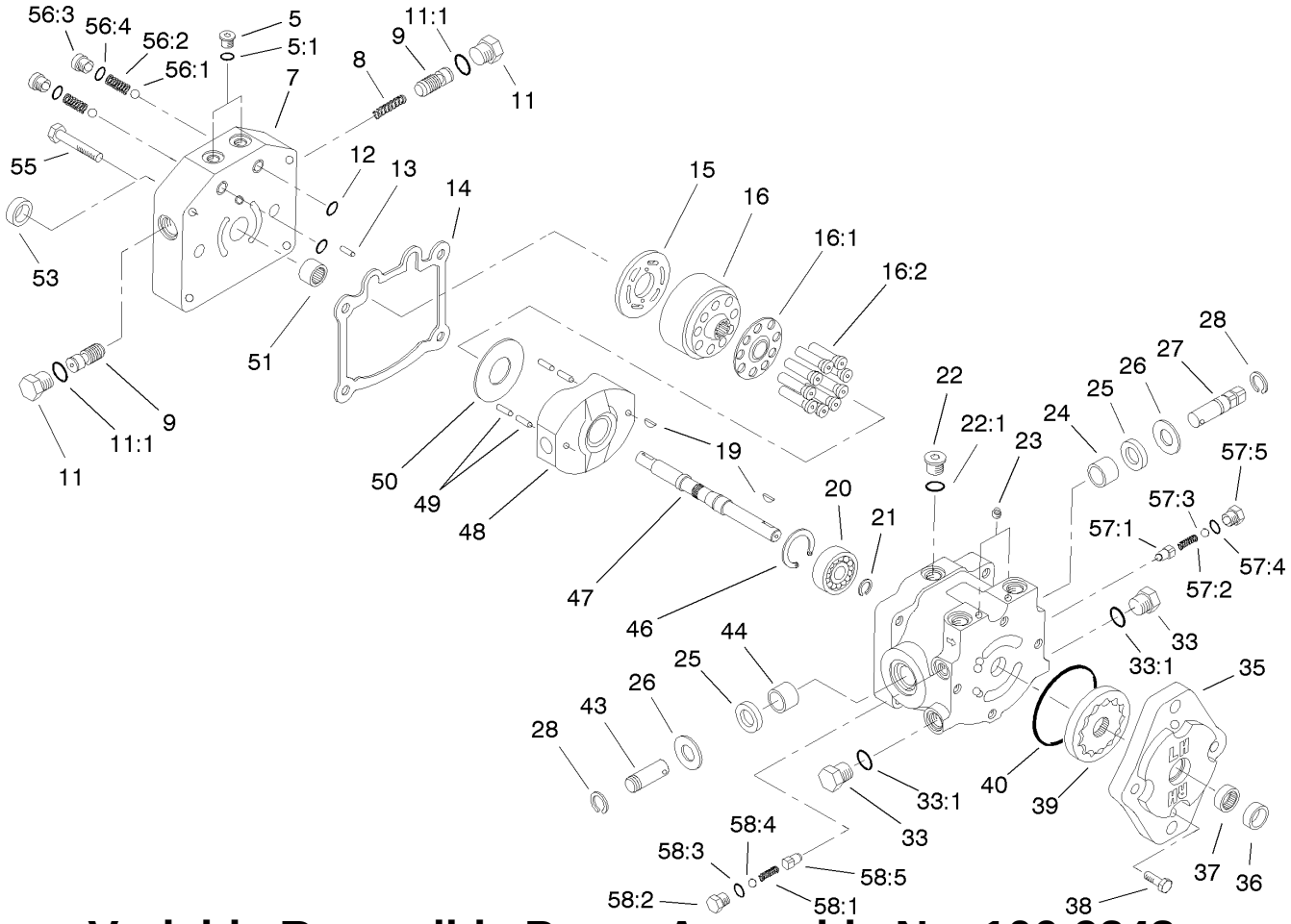
Ref	Part No.	Qty.	Description
23	80-8650	2	Coupling-Drive
24	49-9600	1	Hub-Pump
25	95-0631-03	1	Mount-Pump
27	3217-9	2	Nut-Hex
28	3253-7	2	Washer-Lock
29	3290-378	1	Tie-Cable
30	354-126	1	Fitting-Hyd, 45 DEG
30:1	237-79	1	O-Ring
31	2412-36	1	Clamp-Hose



Variable Reversible Pump Assembly No. 106-9248

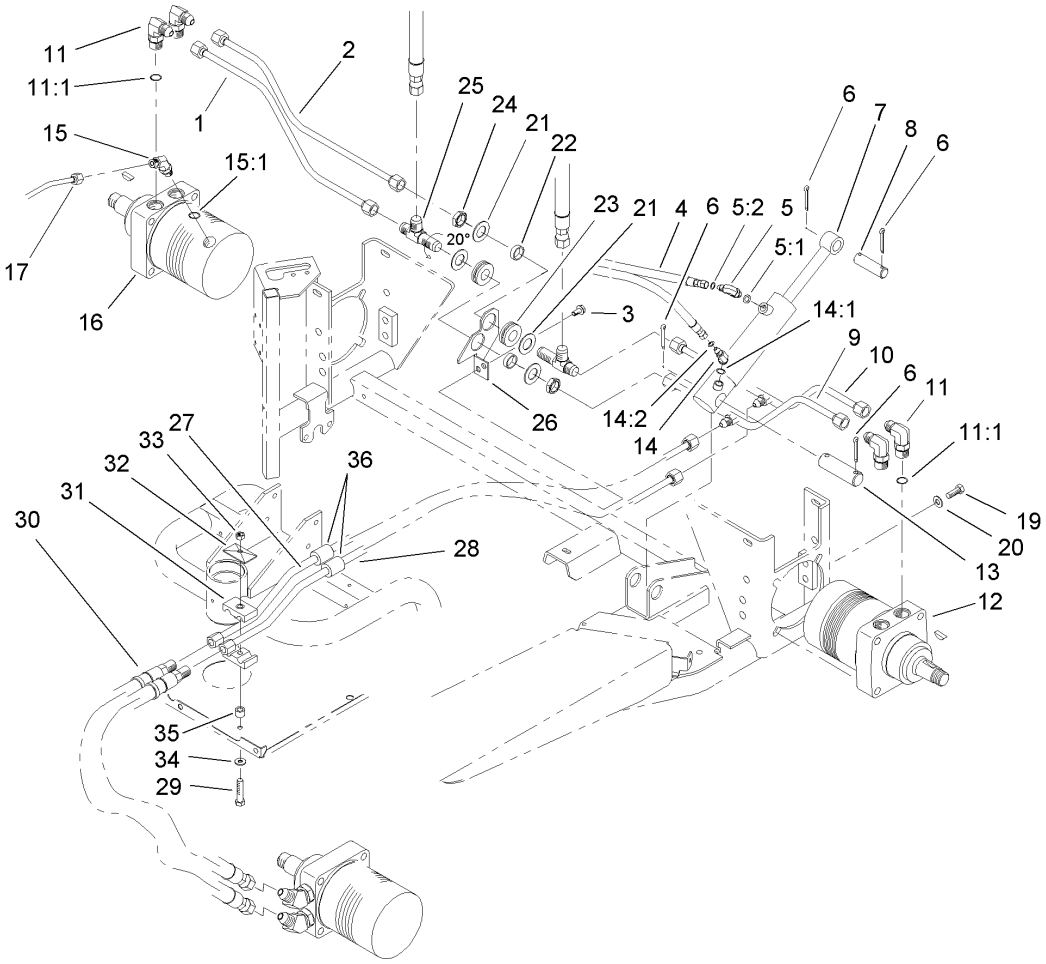
Ref	Part No.	Qty.	Description
5	92-8776	2	Plug
5:1	92-8777	1	O-Ring
7	95-5808	1	Cap-End
8	25-2610	1	Spring-Valve
9	95-5814	2	Valve-Acceleration
11	28-3440	1	Plug-Threaded
11:1	75-0240	1	O-Ring
12	93-4132	2	O-Ring
13	25-2430	1	Pin-Dowel
14	25-2400	1	Gasket
15	95-5811	1	Plate-Valve
16	48-1800	1	Cylinder Block Kit
❷16:1		1	Retainer-Slipper
❷16:2		9	Piston ASM
19	3257-32	2	Key-Woodruff
20	95-5809	1	Bearing-Ball
21	94-3996	1	Ring-Retaining
22	353-988	1	Plug-Hex, Hollow
22:1	237-79	1	O-Ring
23	285-17	2	Plug-Pipe
24	88-8190	1	Bearing-Journal
25	25-3210	2	Seal-Lip
26	25-2510	2	Washer-Flat
27	88-8180	1	Shaft-Trunnion
28	32151-46	2	Ring-Retaining

Ref	Part No.	Qty.	Description
33	88-8210	2	Plug
33:1	237-80	1	O-Ring
35	25-2690	1	Housing-Pump, Charge
36	67-8060	1	Seal-Lip
37	67-8050	1	Bearing-Needle
38	322-4	4	Screw-HH
39	95-5812	1	Gerotor ASM
40	237-95	1	O-Ring
43	25-2500	1	Shaft-Trunnion
44	252-82	1	Bearing-Needle
46	32120-11	1	Ring-Retaining
47	95-5810	1	Shaft
48	25-2450	1	Plate-Swash, Variable
49	32121-91	4	Pin-Spring, Coil
50	25-2380	1	Plate-Thrust
51	46-8400	1	Bearing-Shaft
53	88-8230	1	Seal-Lip
55	323-45	4	Screw-HH
❶56	99-5689	1	Check Valve ASM
56:1	25-2490	1	Ball
56:2	25-2640	1	Spring-Valve
56:3	25-2650	1	Plug-Valve, Check
56:4	237-86	1	O-Ring
❶57	49-8520	1	Implement Relief Kit
57:1	83-7260	1	Cone-Relief, Charge



Variable Reversible Pump Assembly No. 106-9248 (continued)

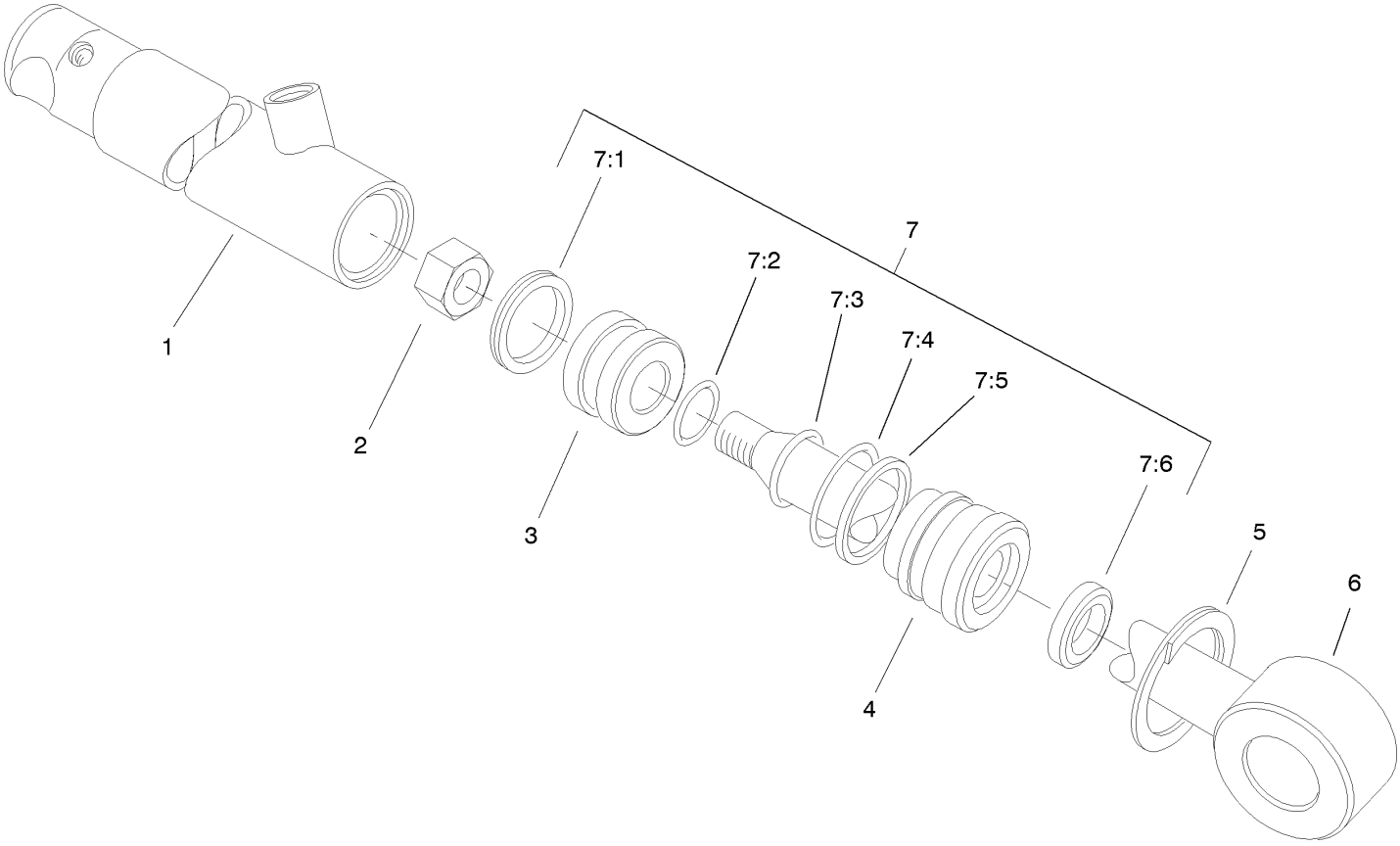
Ref	Part No.	Qty.	Description
57:2	25-2570	1	Spring-Valve
57:3	25-2470	1	Pack-Shim
57:4	237-86	1	O-Ring
57:5	25-2460	1	Plug-HH
❶58	49-8510	1	Valve Kit
58:1	25-2480	1	Spring-Valve
58:2	25-2460	1	Plug-HH
58:3	237-86	1	O-Ring
58:4	25-2470	1	Pack-Shim
58:5	83-7260	1	Cone-Relief, Charge



Rear Wheel Drive Assembly

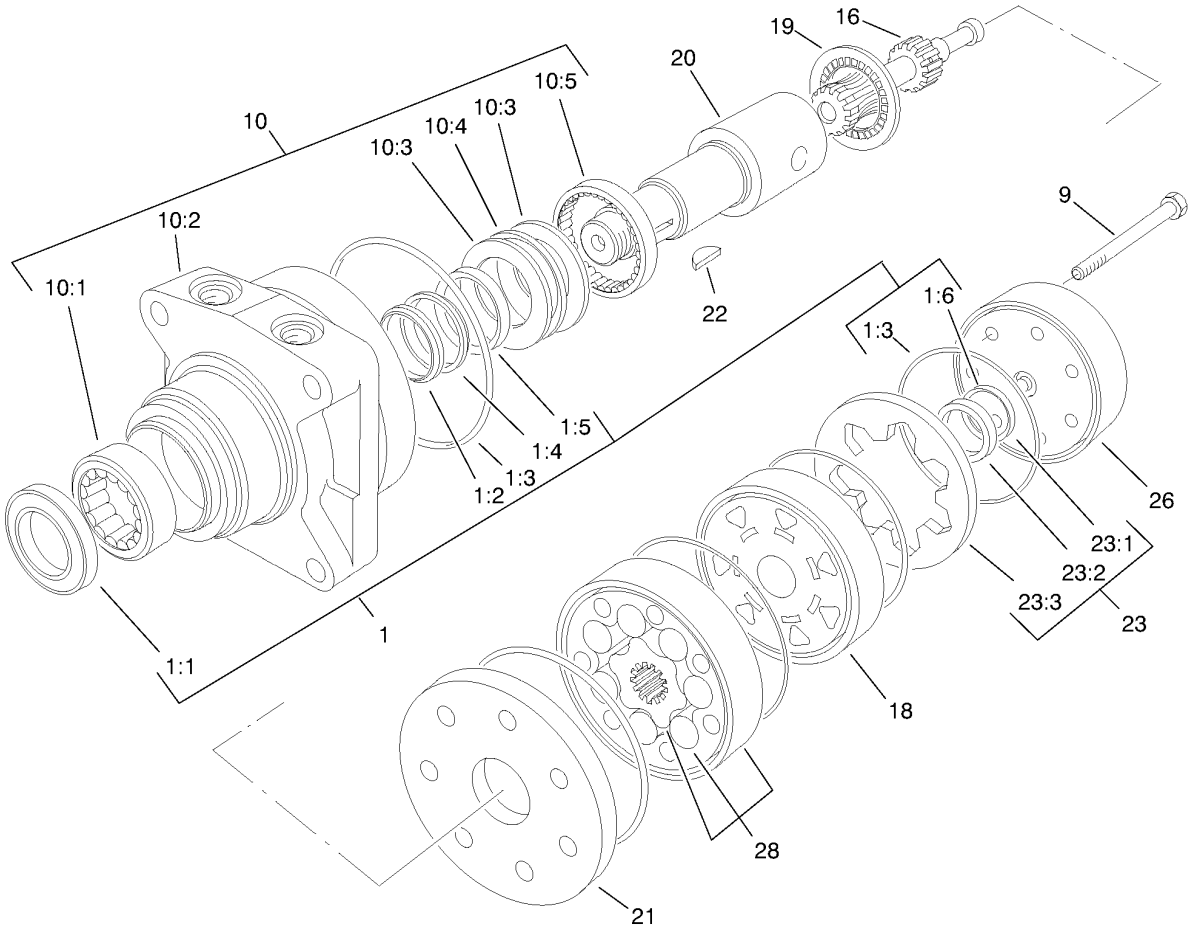
Ref	Part No.	Qty.	Description
1	95-0564	1	Tube-Rh, Front
2	95-0559	1	Tube-Rh, Rear
3	32144-14	2	Screw-HWH
4	75-6200	2	Hose
5	340-132	1	Fitting-Hyd, 90 DEG
5:1	237-78	1	O-Ring
5:2	237-21	1	O-Ring
6	3272-23	4	Pin-Cotter
7	83-7000	1	HYD Cylinder ASM
8	18-7310	1	Pin-Cylinder
9	95-0560	1	Tube-Lh, Front
10	95-0567	1	Tube-Lh, Rear
11	353-426	4	Fitting-90 DEG
11:1	237-80	1	O-Ring
12	75-9831	1	Motor-HYD
13	18-7160	1	Pin-Cylinder
14	340-103	1	Fitting-Hyd, 45 DEG
14:1	237-78	1	O-Ring
14:2	237-21	1	O-Ring
15	353-212	1	Elbow
15:1	237-42	1	O-Ring
16	75-9840	1	Motor-HYD
17	95-0575	1	Tube-Valve, Shuttle
19	325-5	4	Screw-HH
20	3256-26	4	Washer-Flat

Ref	Part No.	Qty.	Description
21	69-8930	4	Washer
22	69-8960	2	Spacer
23	240-5	2	Grommet
24	95-0642	2	Locknut-Bulkhead
25	95-0577	2	Fitting-Bulkhead
26	95-0568-01	1	Bracket-Bulkhead
27	95-0562	1	Tube-RH
28	95-0563	1	Tube-LH
29	321-18	1	Screw-HH
30	51-0600	2	Hose ASM
31	56-7976	2	Clamp-Tube
32	69-9760	1	Coverplate
33	3296-8	1	Nut-Lock, NI
34	3256-78	1	Washer-Flat
35	52-2480	1	Spacer-Wheel
36	38-3400	3	Guard-Rubber



Hydraulic Cylinder Assembly No. 83-7000

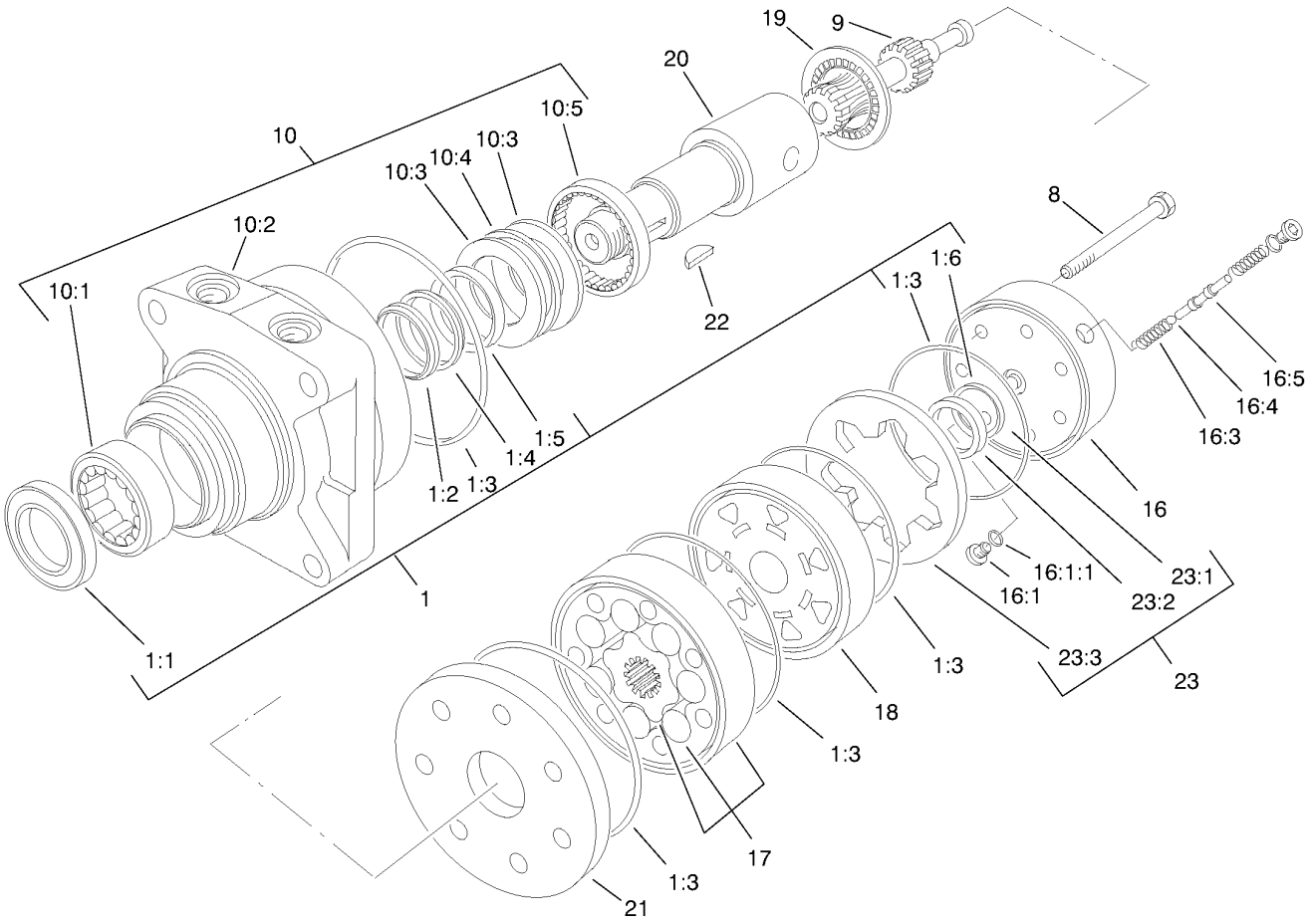
Ref	Part No.	Qty.	Description
❷1		1	Barrel ASM
2	32152-10	1	Locknut
❷3		1	Piston
❷4		1	Head
5	43-5220	1	Ring-Retaining
❷6		1	Shaft W/clevis
7	86-5360	1	Seal Repair Kit
❷7:1		1	Uniring-Grooved
❷7:2		1	O-Ring
❷7:3		1	O-Ring
❷7:4		1	O-Ring
❷7:5		1	Back-Up
❷7:6		1	Seal-Dust



Hydraulic Drive Motor Assembly No. 75-9831

Ref	Part No.	Qty.	Description
1	94-8178	1	Seal Kit
❷1:1		1	Seal-Dirt And Water
❷1:2		1	Washer-Backup
❷1:3		5	Seal-Ring
❷1:4		1	Washer-Backup
❷1:5		1	Seal-Inner
❷1:6		1	Seal-Commutator
9	76-1020	7	Screw-Cap, HH
10	76-0810	1	Housing ASM
❷10:1		1	Bearing
❷10:2		1	Housing
❷10:3		2	Washer-Thrust
❷10:4		1	Bearing-Thrust
❷10:5		1	Bearing
16	76-0820	1	Line-Drive
18	76-0840	1	Manifold
19	76-0850	1	Bearing-Thrust
20	76-0860	1	Shaft-Coupling
21	76-0870	1	Plate-Wear
22	3257-42	1	Key-Woodruff
23	76-0880	1	Commutator ASM
❷23:1		1	Seal-Commutator
❷23:2		1	Commutator
❷23:3		1	Ring-Commutator

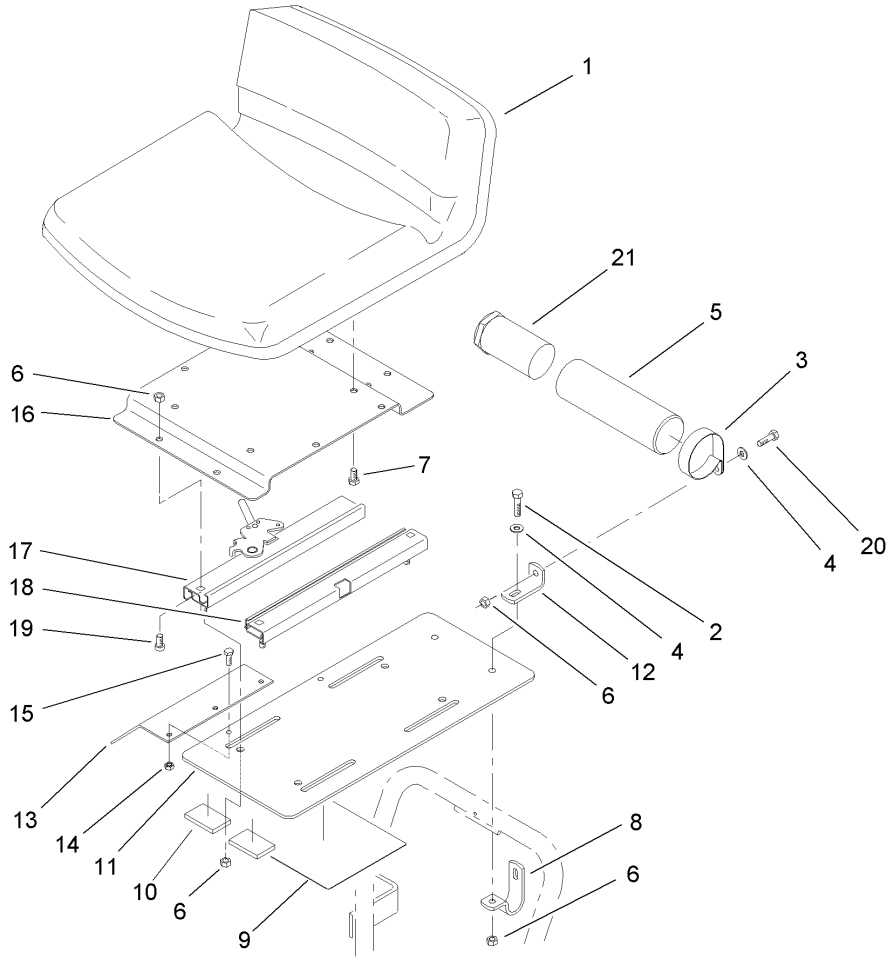
Ref	Part No.	Qty.	Description
26	76-0940	1	End Cover ASM
28	76-0830	1	Rotor Set



Hydraulic Motor Assembly No. 75-9840

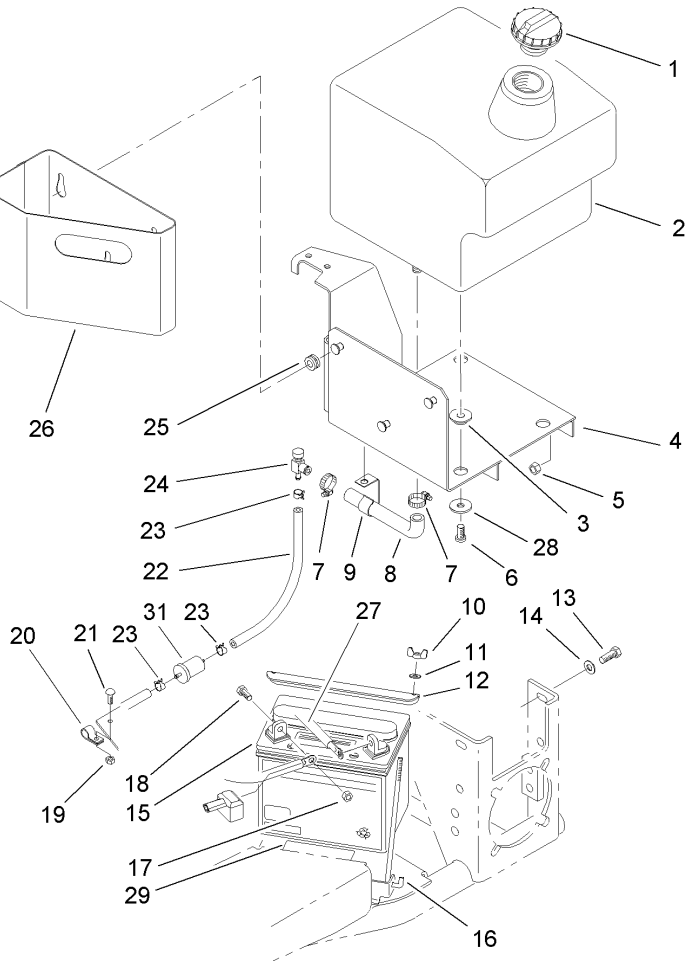
Ref	Part No.	Qty.	Description
1	94-8178	1	Seal Kit
❷1:1		1	Seal-Dirt And Water
❷1:2		1	Washer-Backup
❷1:3		5	Seal-Ring
❷1:4		1	Washer-Backup
❷1:5		1	Seal-Inner
❷1:6		1	Seal-Commutator
8	76-1040	7	Screw-Cap, HH
9	76-0820	1	Line-Drive
10	76-0810	1	Housing ASM
❷10:1		1	Bearing
❷10:2		1	Housing
❷10:3		2	Washer-Thrust
❷10:4		1	Bearing-Thrust
❷10:5		1	Bearing
16	76-0890	1	End Cover ASM
16:1	353-990	2	Plug
16:1:1	237-78	1	O-Ring
❷16:3		2	Spring
❷16:4		1	Ball
❷16:5		1	Valve-Shuttle
17	76-0830	1	Rotor Set
18	76-0840	1	Manifold
19	76-0850	1	Bearing-Thrust

Ref	Part No.	Qty.	Description
20	76-0860	1	Shaft-Coupling
21	76-0870	1	Plate-Wear
22	3257-42	1	Key-Woodruff
23	76-0880	1	Commutator ASM
❷23:1		1	Seal-Commutator
❷23:2		1	Commutator
❷23:3		1	Ring-Commutator



Seat Assembly

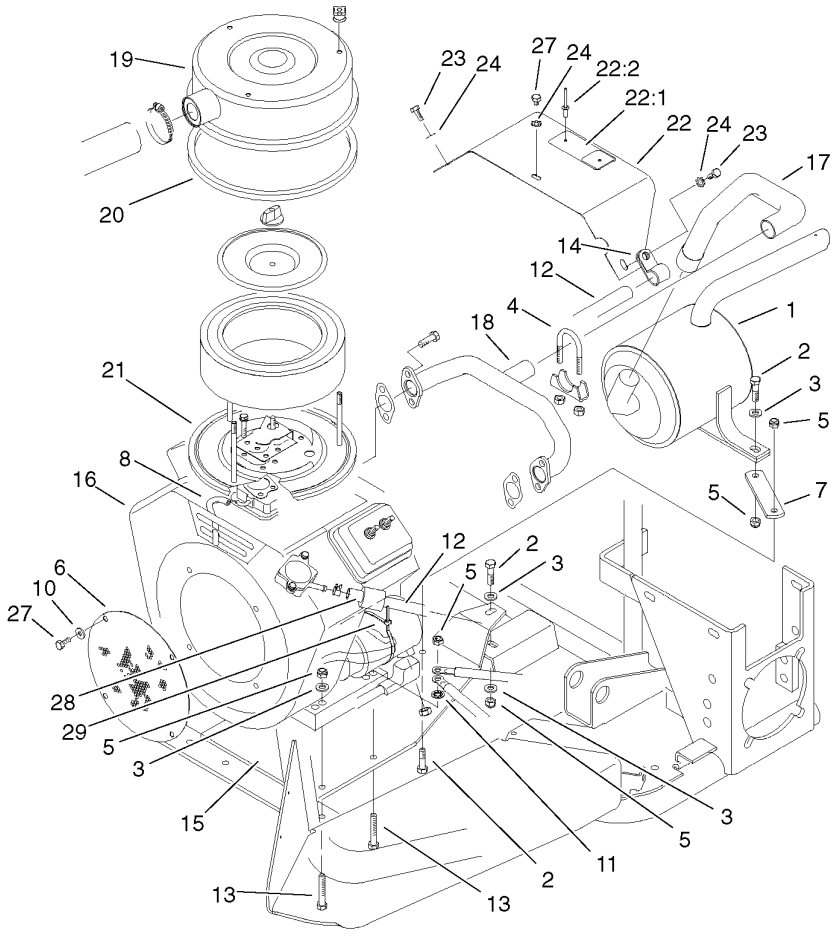
Ref	Part No.	Qty.	Description
1	92-8976	1	Seat
2	322-6	2	Screw-HH
3	2412-133	2	R-Clamp
4	3256-3	4	Washer-Flat
5	104-7050	1	Housing-Manual
6	3296-29	12	Nut-Lock, NI
7	3234-14	4	Screw-HHF
8	92-8972	2	Clamp-Seat
9	95-0646	1	Decal-Service
9	93-7251	1	Decal-Blank
10	74-0340	2	Cushion-Rubber
11	95-0637-03	1	Plate-Seat
12	92-8973	2	Angle
13	95-5840-03	1	Shield-Base, Seat
14	3296-42	2	Nut-Lock, NI
15	321-4	2	Screw-HH
16	86-7610-03	1	Mount-Seat
17	51-0790	1	Adjuster-Seat, LH
18	51-0780	1	Slider-Seat
19	3274-12	4	Screw-HSH
20	322-5	2	Screw-HH
21	104-7048	1	Cap-Housing



Fuel Tank Assembly

Ref	Part No.	Qty.	Description
1	93-7170	1	Cap-Fuel
2	92-7186	1	Tank-Fuel
3	240-11	4	Grommet-Mount, Tank
4	95-0576-03	1	Base-Tank, Fuel
5	3296-39	3	Nut-Lock, NI
6	3250-36	4	Screw-PPH
7	2412-36	2	Clamp-Hose
8	92-7152	1	Hose-Fuel
9	92-7160	1	Clip
10	32103-12	2	Nut-Wing
11	3256-22	2	Washer-Flat
12	92-5018-03	1	Clamp-Battery
13	323-6	3	Screw-HH
14	3256-24	3	Washer-Flat
15	104-8162	1	Battery
16	56-7720	2	Post-Battery
17	3296-29	2	Nut-Lock, NI
18	322-3	2	Screw-HH
19	3296-42	1	Nut-Lock, NI
20	2412-73	1	Clamp-R
21	3274-69	1	Screw-HSBH
22	95-0618	1	Hose-Fuel
23	2412-98	4	Clamp
24	83-1390	1	Fitting-Shut-Off, Fuel
25	240-9	3	Grommet

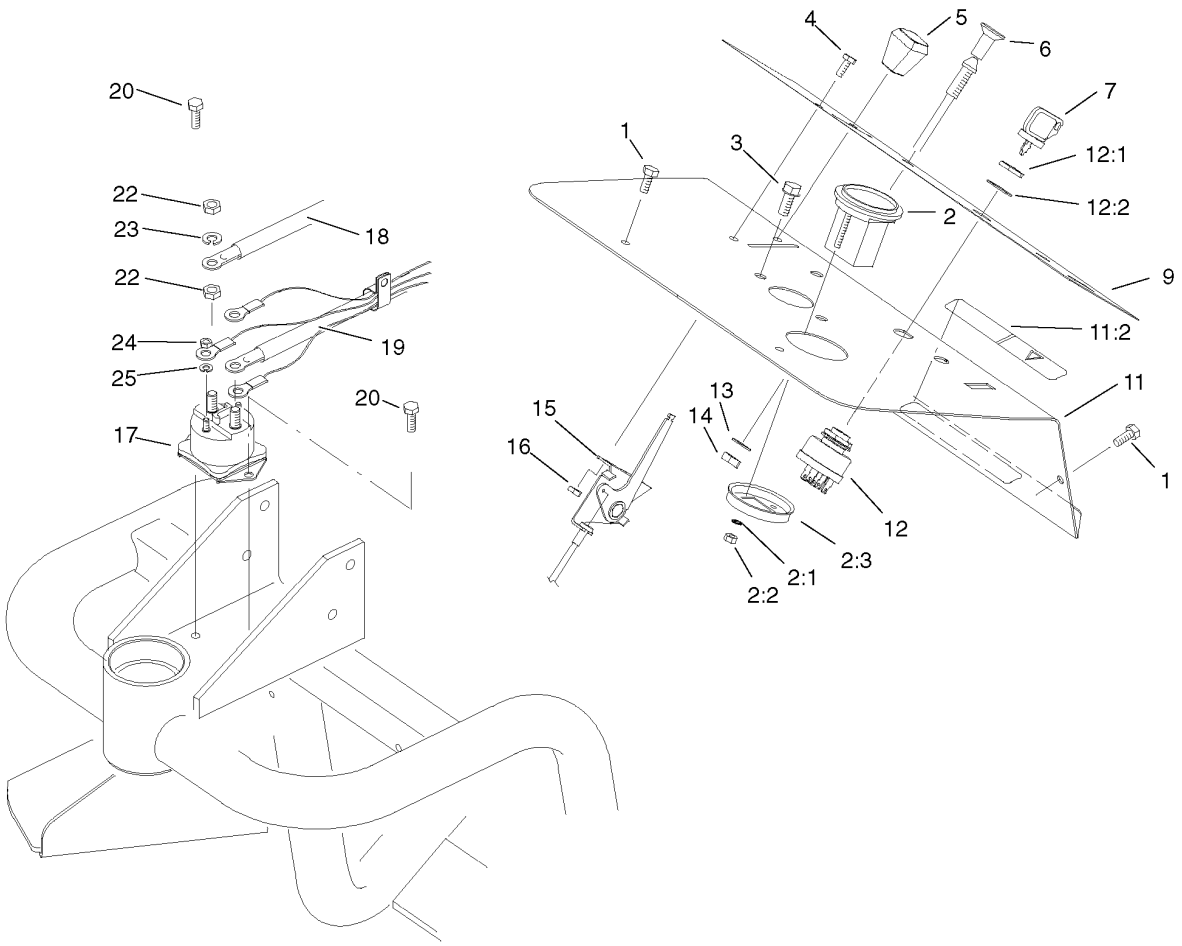
Ref	Part No.	Qty.	Description
26	86-7640-01	1	Box-Litter
27	86-7450	1	Cable-Ground
28	63-8410	4	Washer
29	93-6668	1	Decal-Battery
31	94-2690	1	Filter-Fuel



Engine Installation Assembly

Ref	Part No.	Qty.	Description
1	95-0552	1	Muffler
2	322-5	3	Screw-HH
3	3256-23	6	Washer-Flat
4	95-0586	2	Clamp ASM
5	3296-29	7	Nut-Lock, NI
6	92-8996-03	1	Screen
7	95-0557	1	Bracket-Muffler
8	75-4705	1	Hose-Fuel
10	3256-1	4	Washer-Flat
11	3255-8	1	Washer-Lock
12	94-4522	1	Hose-Fuel
13	322-10	4	Screw-HH
14	2412-73	1	Clamp-R
15	95-0556-03	1	Base-Engine
16	98-0940	1	Engine-B & S 303447-1180-E1
17	95-0551	1	Tube-Exhaust
18	95-0550	1	Manifold-Exhaust
19	85-8370-03	1	Cover-Cleaner, Air
20	85-8360	1	Gasket-Ring
21	85-8430-03	1	Base-Cleaner, Air
22	105-8523	1	Muffler Shield ASM
22:1	95-0645	1	Plate-Surface, Hot
22:2	3269-32	2	Rivet-Pop
23	33113-012	2	Screw-HH
24	3255-7	3	Washer-Lock/ext

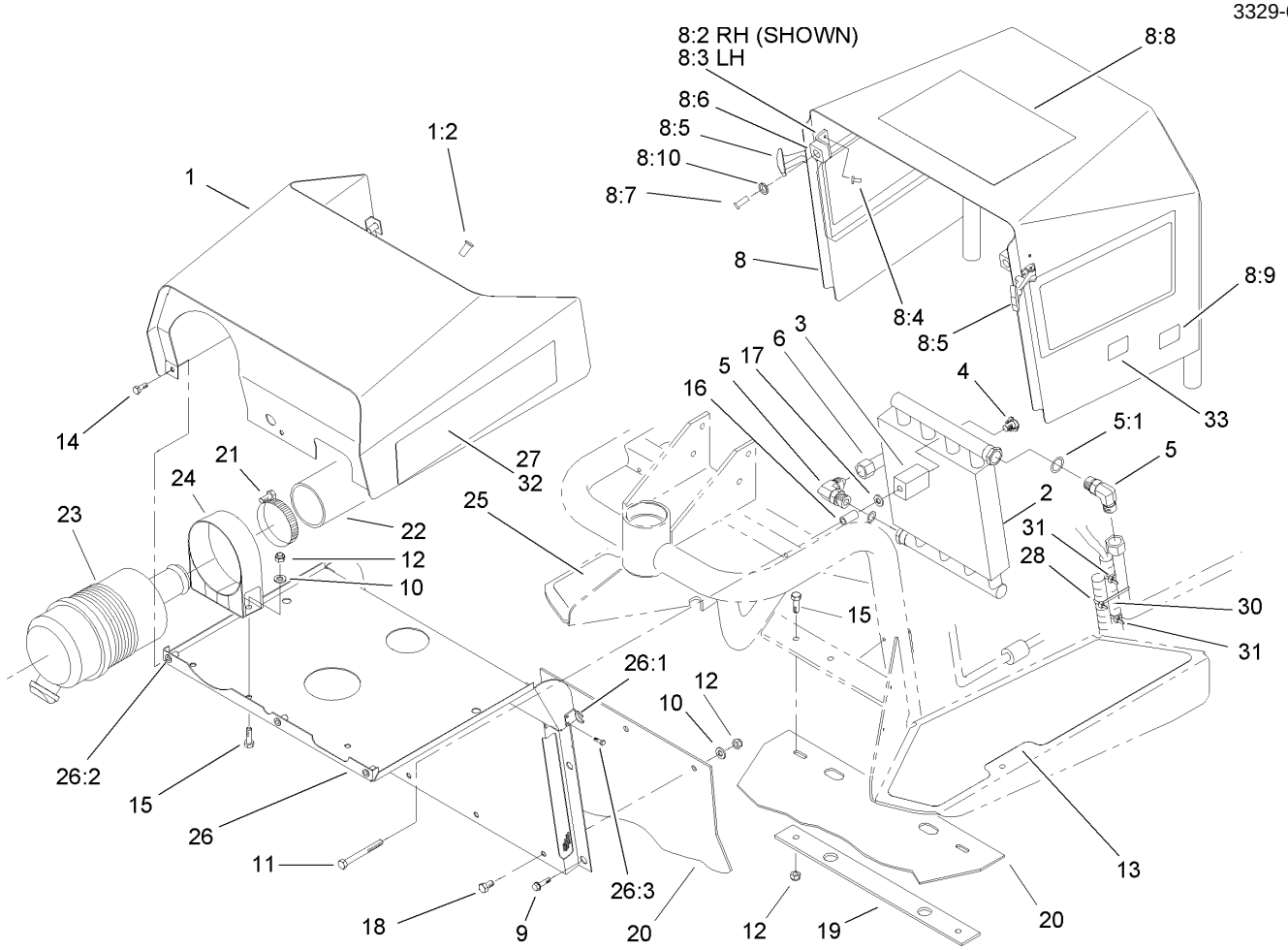
Ref	Part No.	Qty.	Description
27	33113-008	5	Screw-HH
28	38-3400	1	Guard-Rubber
29	3290-379	1	Tie-Cable



Dash Panel Assembly

Ref	Part No.	Qty.	Description
1	3234-33	4	Screw-HHF
2	66-2950	1	Gauge-Hourmeter
2:1	3255-20	2	Washer-Lock
2:2	3217-25	2	Nut-Hex
❷2:3		1	Clamp-Gauge
3	32144-11	2	Screw-TAP
4	32105-2	2	Screw-SHWH
5	66-0120	1	Knob
6	95-0597	1	Control-Choke
7	63-8360	2	Key-Ignition
9	95-0648	1	Decal
11	105-8524	1	Dash Panel ASM
11:2	93-9052	1	Decal-Danger
12	83-0020	1	Switch-Starter
12:1	218-461	1	Nut-HH
12:2	3254-5	1	Washer-Tooth
13	3254-6	1	Washer-Lock, Internal
14	3219-3	1	Nut-HH
15	95-0598	1	Control-Throttle
16	3296-12	2	Nut-Lock
17	28-4210	1	Solenoid
18	95-5825	1	Wire ASM
❶18:1	83-2430	1	Boot-Terminal
19	95-0599	1	Wire ASM
❶19:1	28-8080	1	Boot-Terminal

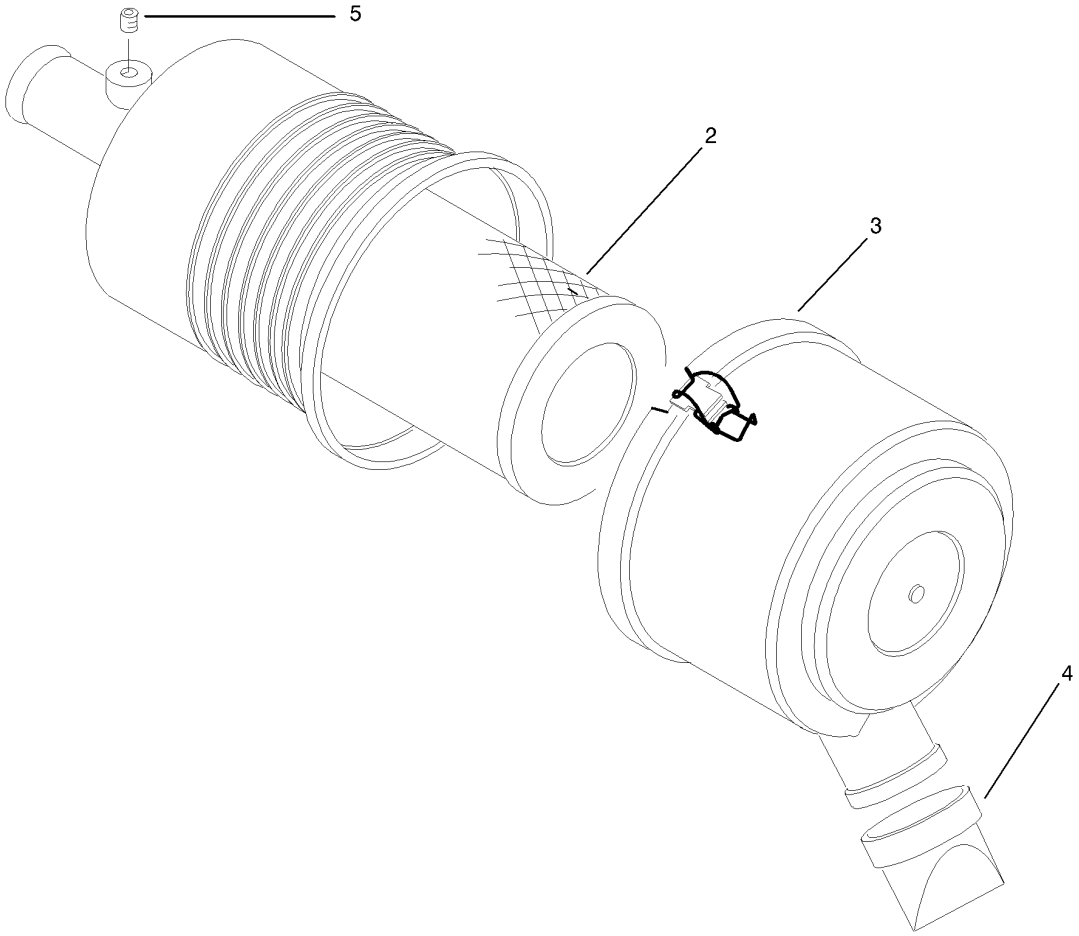
Ref	Part No.	Qty.	Description
20	32104-95	2	Screw-HWH
22	3218-13	2	Nut-Jam
23	3253-4	2	Washer-Lock
24	3219-14	2	Nut-Hex
25	3253-17	2	Washer-Lock/sp



Shroud and Oil Cooler Assembly

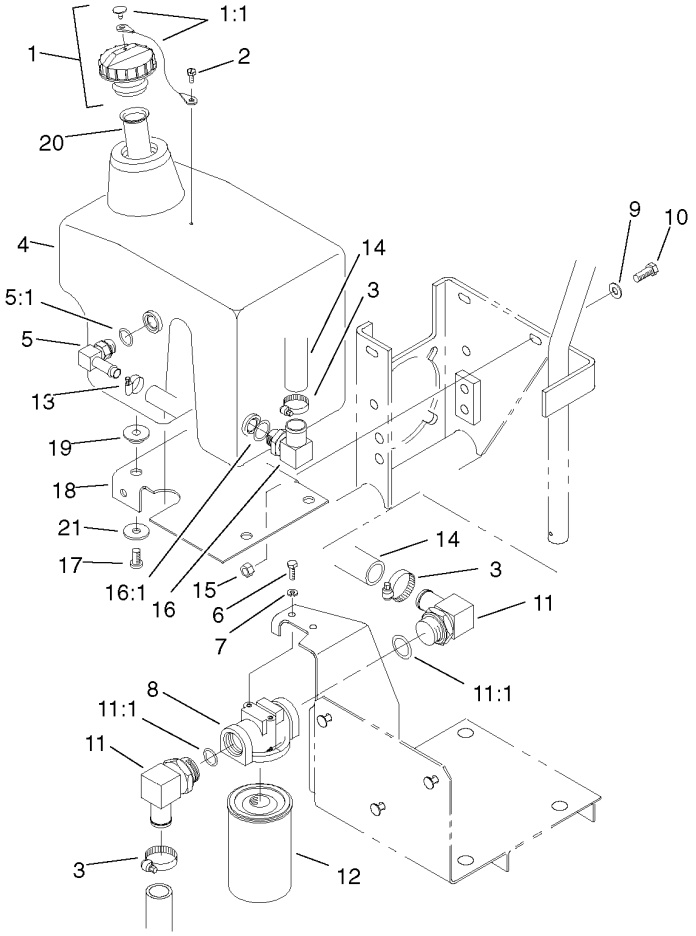
Ref	Part No.	Qty.	Description
1	99-1644	1	Dash Shroud ASM
1:2	32148-6	4	Insert-Nut
2	92-8997	1	Cooler-Oil
3	85-9550	2	Clamp-Rubber
4	85-9670	2	Nut
5	353-371	2	Elbow-90 DEG
5:1	237-79	1	O-Ring
6	95-0643	1	Tube-Valve To Cooler
8	95-0610	1	Engine Cover ASM
8:2	95-0611	1	Bracket-RH
❶8:3	95-0612	1	Bracket-LH
8:4	3269-8	6	Rivet
8:5	117344	2	Handle ASM
8:6	94-1392	2	Pad-Rubber
8:7	3269-28	2	Rivet-Pop
8:8	92-8985	1	Decal-Operating
8:9	93-7252	1	Decal
8:10	3256-14	2	Washer-Flat
9	46-8560	6	Screw-Hhftf
10	3256-23	4	Washer-Flat
11	322-14	2	Screw-HH
12	3296-29	6	Nut-Lock, NI
13	92-7159	1	Tread-Floor, LH
14	3234-33	3	Screw-HHF
15	322-5	4	Screw-HH

Ref	Part No.	Qty.	Description
16	95-5807	2	Spacer
17	3256-82	2	Washer-Flat
18	322-2	2	Screw-HH
19	95-0620-01	1	Strip-Retainer
20	95-5826	1	Shield-Rubber
21	2412-92	2	Clamp-Hose
22	95-0582	1	Hose-Intake, Air
23	95-5805	1	Air Cleaner ASM
24	95-5806	1	Bracket-Mounting
25	92-7158	1	Tread-Floor, RH
26	95-5817	1	Front Shield ASM
26:1	249-40	2	Keeper
26:2	32148-6	3	Insert-Nut
26:3	3269-8	4	Rivet
27	106-8103	2	Decal
28	3290-379	2	Tie-Cable
30	94-4519	1	Tube-Convolute
31	3290-378	2	Tie-Cable
32	106-8104	2	Decal
33	105-7872	1	Decal



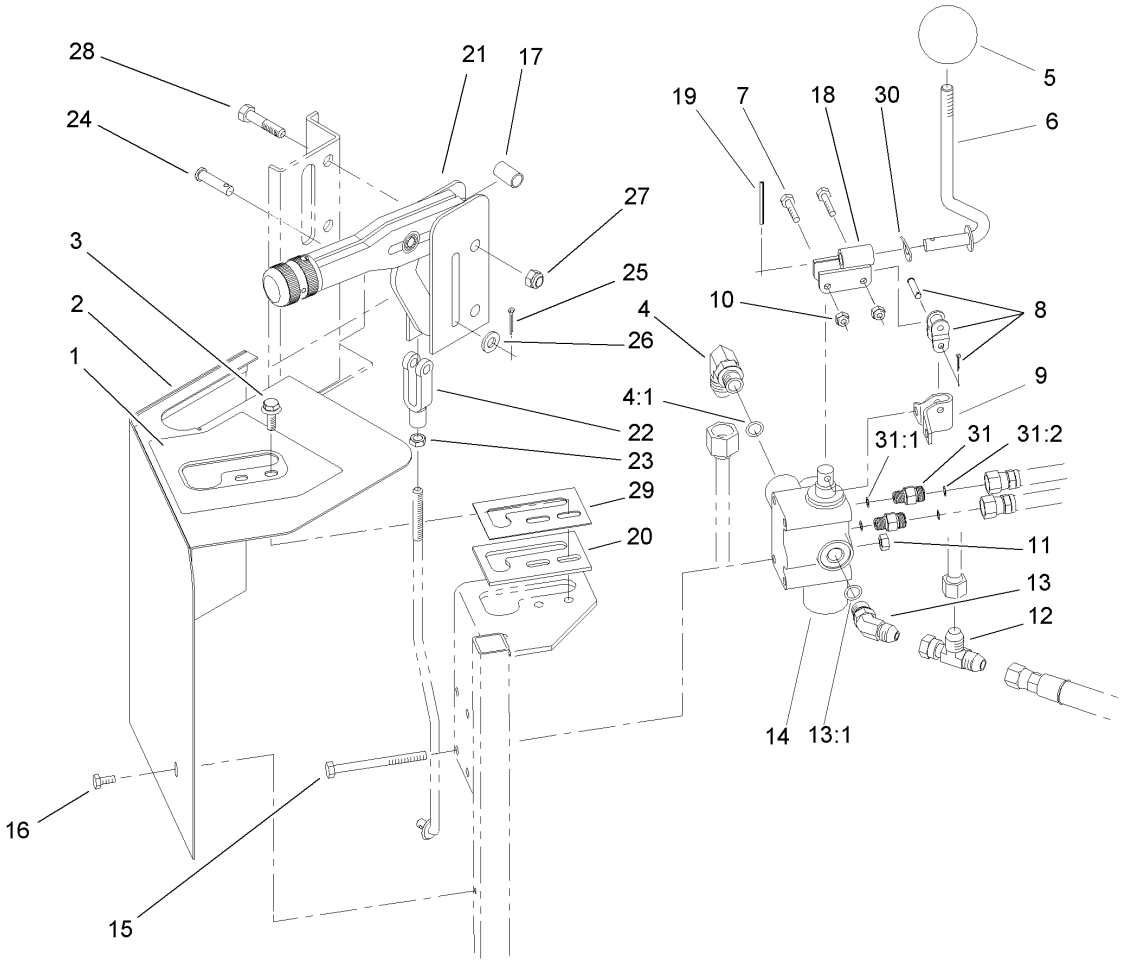
Air Cleaner Assembly No. 95-5805

Ref	Part No.	Qty.	Description
2	93-2195	1	Filter
3	94-3652	1	Cover ASM
4	94-1414	1	Valve-Vacuator
5	285-17	1	Plug-Pipe



Hydraulic Oil Reservoir and Filter Assembly

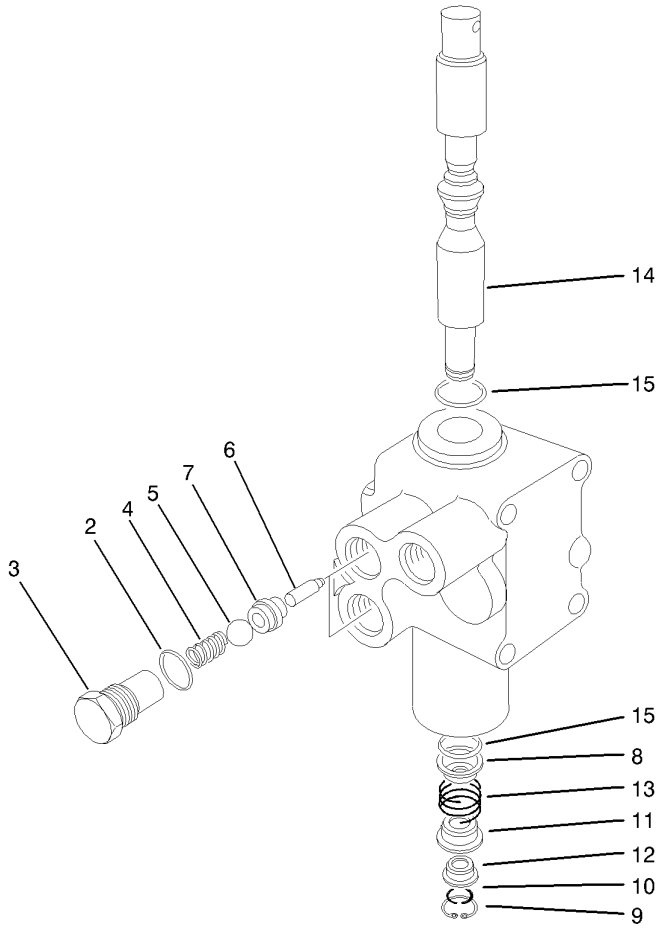
Ref	Part No.	Qty.	Description
1	93-4365	1	Cap-Oil
1:1	75-0540	1	Tether And Button Kit
2	57-5420	1	Screw-Shoulder
3	2412-129	4	Clamp-Hose
4	98-0968	1	Tank-HYD
5	354-120	1	Fitting-Hyd, 90 DEG
5:1	237-79	1	O-Ring
6	321-3	2	Screw-HH
7	3253-3	2	Washer-Lock
8	68-8990	1	Filter Head ASM
9	3256-24	3	Washer-Flat
10	323-6	3	Screw-HH
11	353-987	2	Fitting-Hyd, 90 DEG
11:1	237-81	1	O-Ring
12	23-9740	1	Filter-Oil
13	2412-36	1	Clamp-Hose
14	98-8152	1	Hose-Suction
15	3296-39	3	Nut-Lock, NI
16	95-0629	1	Fitting-Hose, Push On
16:1	237-80	1	O-Ring
17	3250-36	3	Screw-PPH
18	95-0590-03	1	Base-Tank, HYD
19	240-11	4	Grommet-Mount, Tank
20	92-1705	1	Filter-Screen
21	63-8410	3	Washer



Lift Valve Installation Assembly

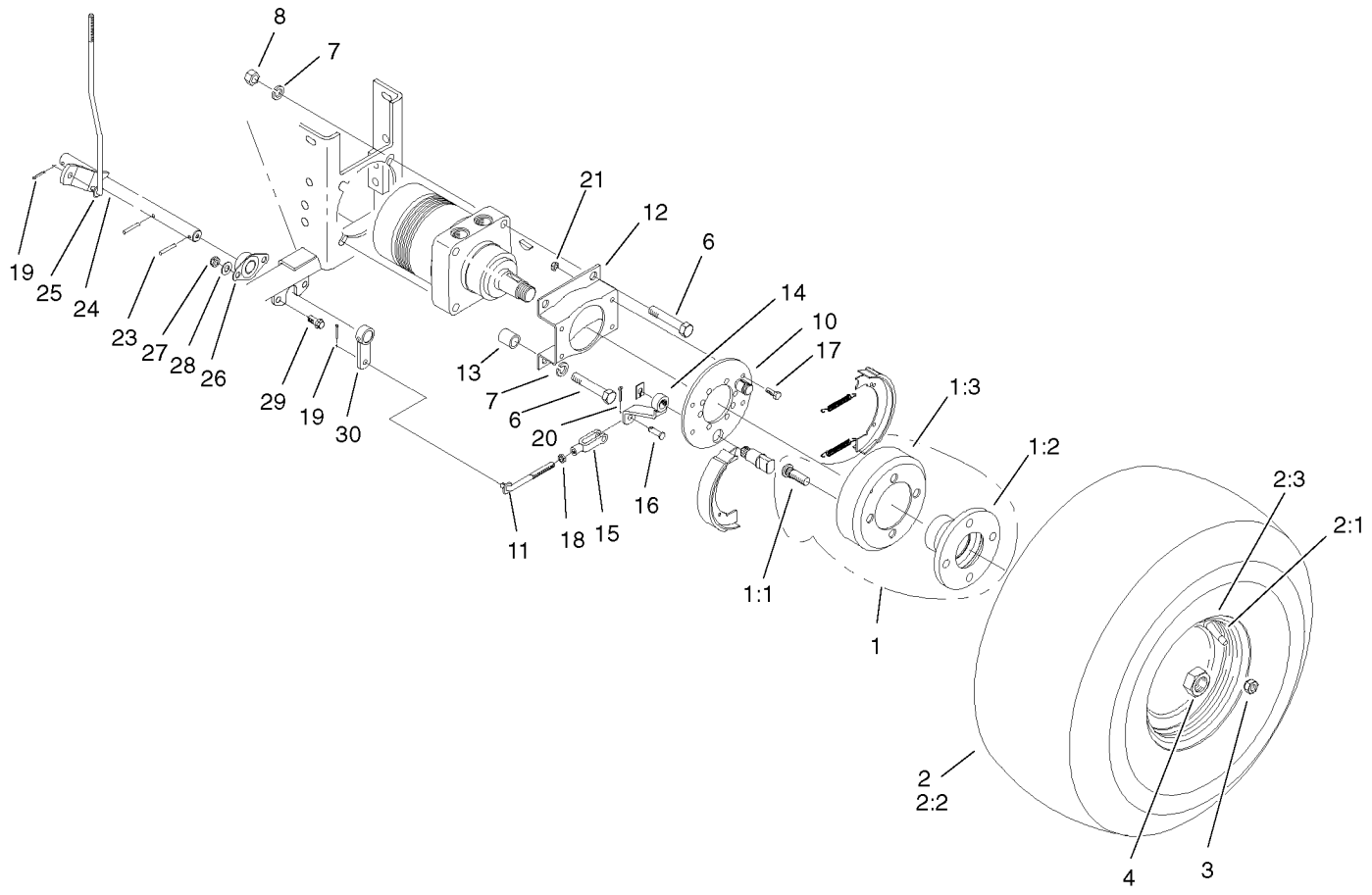
Ref	Part No.	Qty.	Description
1	95-0647	1	Decal-Controls
2	95-0601-01	1	Vavle Shroud ASM
3	3234-33	2	Screw-HHF
4	353-511	1	Elbow-90 DEG
4:1	237-42	1	O-Ring
5	233-21	1	Knob
6	92-8981	1	Lift Lever ASM
7	3290-360	2	Screw-HH
8	2710-20	1	Link-Offset
9	88-8480	1	Bracket-Pivot
10	3296-2	2	Nut-Lock
11	3296-42	4	Nut-Lock, NI
12	353-877	1	Swivel-Tee-Run
13	353-212	1	Elbow
13:1	237-42	1	O-Ring
14	43-1710-01	1	Valve ASM
15	321-23	4	Screw-HH
16	32104-76	1	Screw
17	85-0290	2	Spacer-Pivot, Seat
18	92-8983	1	Pivot
19	32121-73	1	Pin-Roll
20	21-8640	1	Latch-Lever, Valve
21	95-0636	1	Lever-Brake
22	282-2	1	Yoke
23	3220-2	1	Nut

Ref	Part No.	Qty.	Description
24	283-14	1	Pin-Clevis
25	3272-6	1	Pin-Cotter
26	3256-23	1	Washer-Flat
27	3296-29	2	Nut-Lock, NI
28	322-8	2	Screw-HH
29	95-5833	1	Guide-Lever
30	3290-477	1	Washer-Curved
31	340-92	2	Fitting-Hyd, Straight
31:1	237-78	1	O-Ring
31:2	237-21	1	O-Ring



Valve Assembly No. 43-1710-01

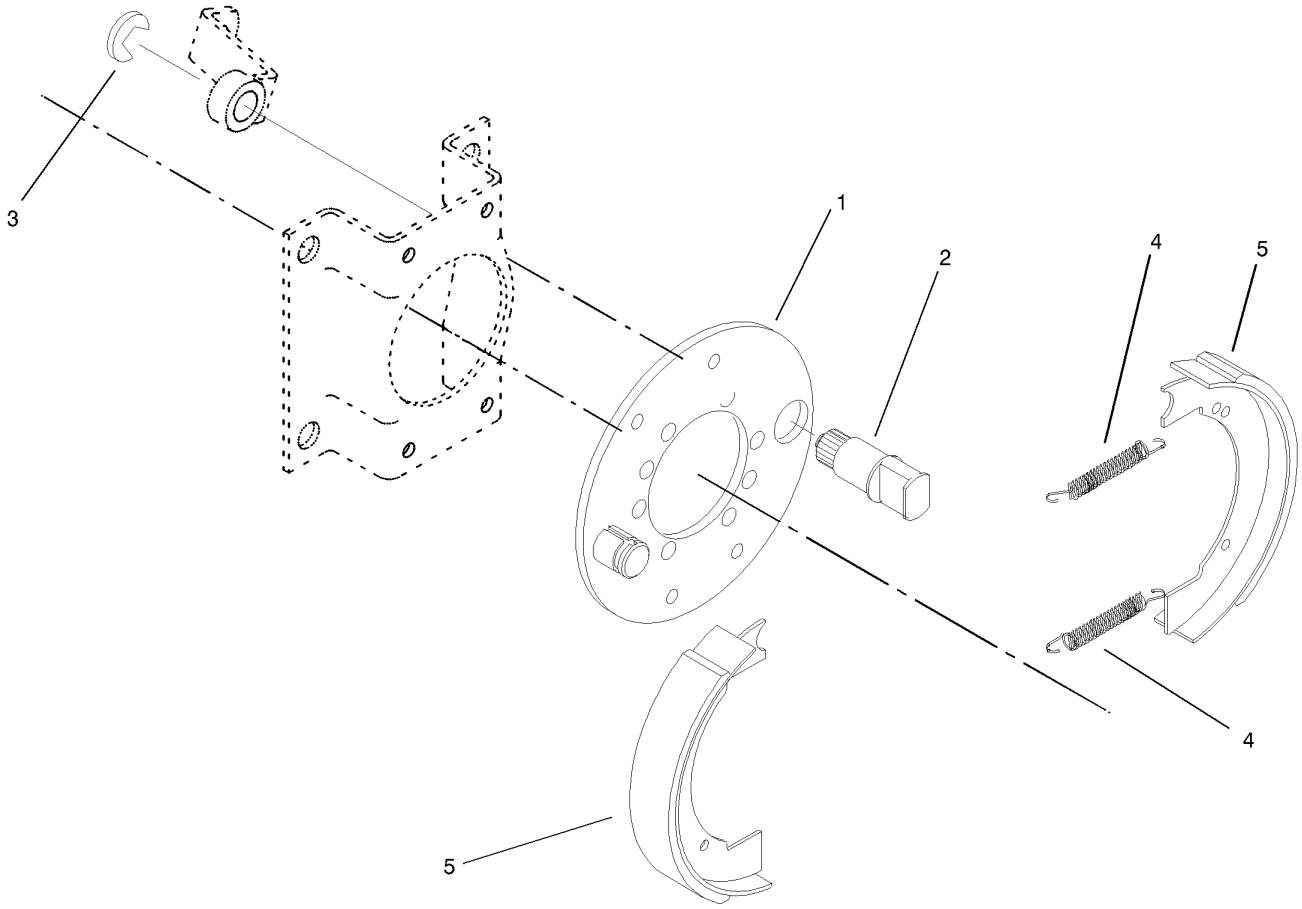
Ref	Part No.	Qty.	Description
2	237-42	2	O-Ring
3	22-8330	2	Plug
4	22-8340	2	Spring
5	22-8350	2	Ball
6	22-8360	2	Pin
7	22-8370	2	Seat-Valve
8	22-8380	1	Retainer
9	22-8490	1	Ring-Snap
10	22-8480	1	Ring-Snap
11	22-8390	1	Retainer
12	22-8400	1	Spacer
13	22-8410	1	Spring
14	22-8420	1	Spool
15	22-8500	2	O-Ring



Brake Installation Assembly

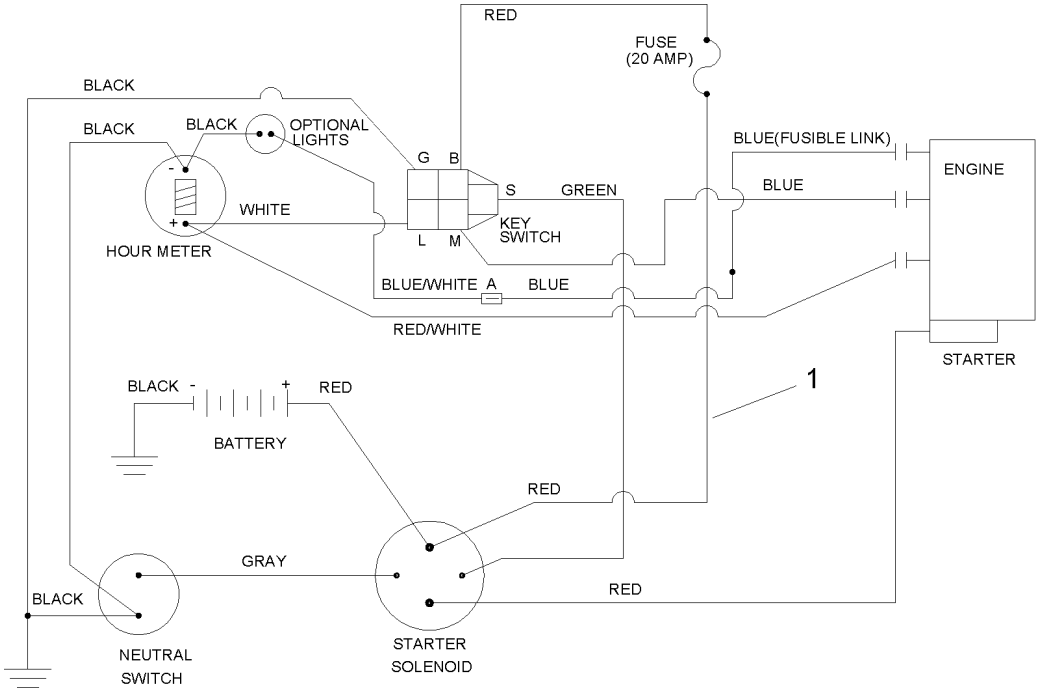
Ref	Part No.	Qty.	Description
1	17-8149	2	Wheel Hub ASM
1:1	85-6540	4	Stud-Drive
1:2	93-6838-03	1	Hub-Wheel
1:3	10-6850	1	Drum-Brake
❷2		2	Wheel And Tire ASM
2:1	232-35	1	Valve Stem And Cap ASM
2:2	85-8290	1	Tire
2:3	94-6116	1	Wheel-Rear
3	242-50	8	Nut-Lug
4	26-3790	2	Nut-Lock
6	325-14	8	Screw-HH
7	3253-7	8	Washer-Lock
8	3217-9	4	Nut-Hex
10	104-7705	2	Brake ASM
11	84-1990	2	Rod-Adjusting
12	84-2000-03	2	Bracket-Brake
13	92-1715	8	Spacer
14	93-6850	2	Lever-Brake
15	282-2	2	Yoke
16	283-1	2	Pin-Clevis
17	321-4	8	Screw-HH
18	3220-2	2	Nut
19	3272-6	3	Pin-Cotter
20	3272-10	2	Pin-Cotter
21	3296-42	8	Nut-Lock, NI

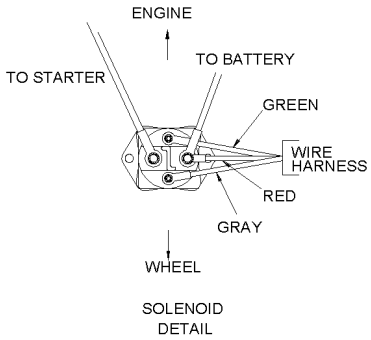
Ref	Part No.	Qty.	Description
23	32121-6	3	Pin-Roll
24	95-0625	1	Rod-Traverse
25	95-0628	1	Rod-Brake
26	27-2320	2	Bearing
27	3296-59	4	Nut-Lock, NI
28	3256-24	4	Washer-Flat
29	3234-1	4	Screw-HHF
30	83-9310	2	RH Brake Lever ASM



Brake Assembly No. 104-7705

Ref	Part No.	Qty.	Description
1	70-9870	1	Plate-Backing
2	104-7707	1	Shaft-Cam, Brake
3	104-7706	1	E Ring-Bowed
4	70-9880	2	Spring-Return
5	70-9840	2	Shoe-Brake

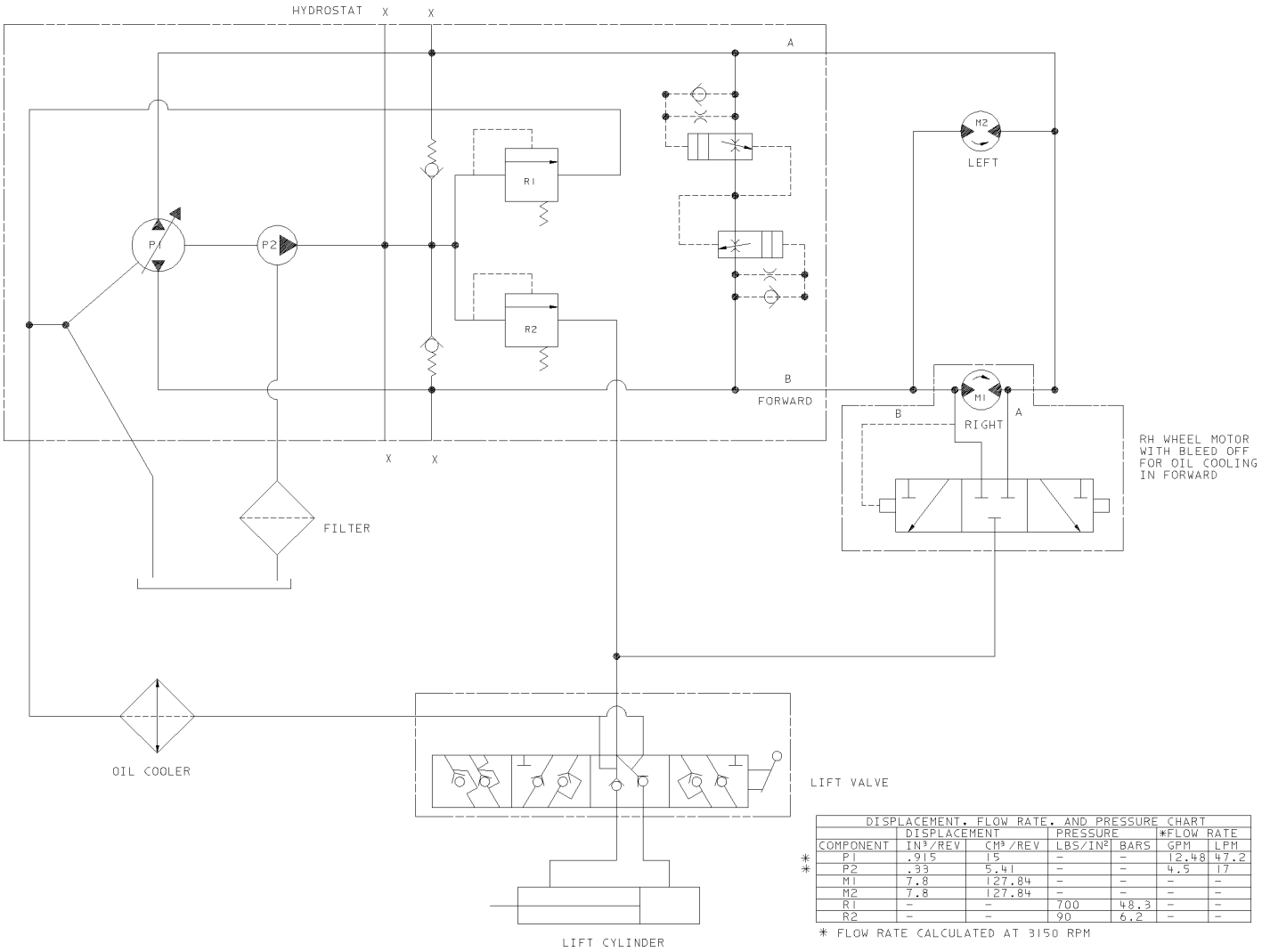




Wire Harness Schematic

Ref	Part No.	Qty.	Description
1	95-0574	1	Harness-Wire

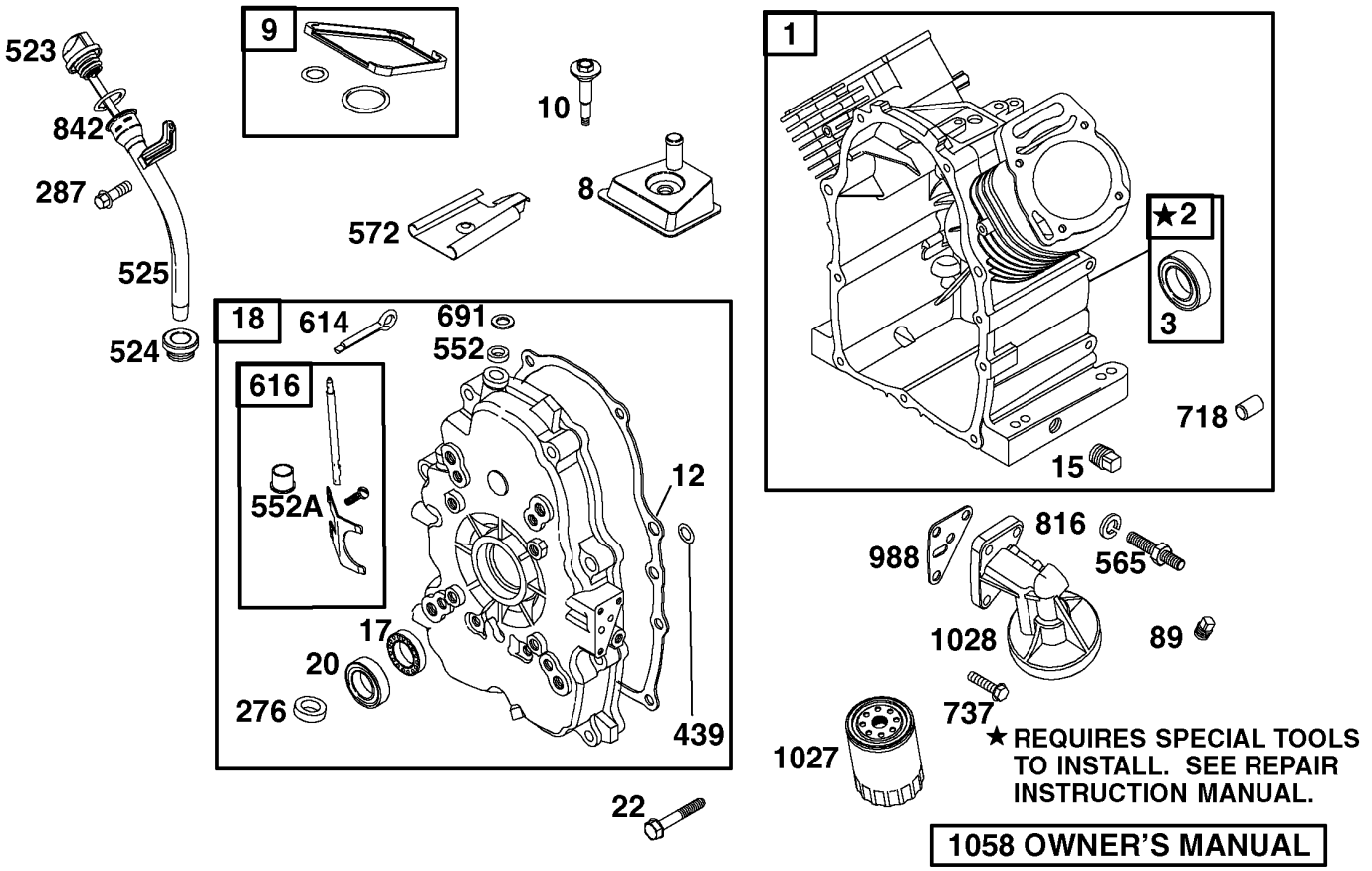
Hydraulic Schematic



DISPLACEMENT, FLOW RATE, AND PRESSURE CHART

	DISPLACEMENT		PRESSURE		*FLOW RATE	
COMPONENT	IN³/REV	CM³/REV	LBS/IN²	BARS	GPM	LPM
** P1	.915	15	–	–	12.48	47.2
** P2	.33	5.41	–	–	4.5	17
M1	7.8	127.84	–	–	–	–
M2	7.8	127.84	–	–	–	–
R1	–	–	700	48.3	–	–
R2	–	–	90	6.2	–	–

* FLOW RATE CALCULATED AT 3150 RPM

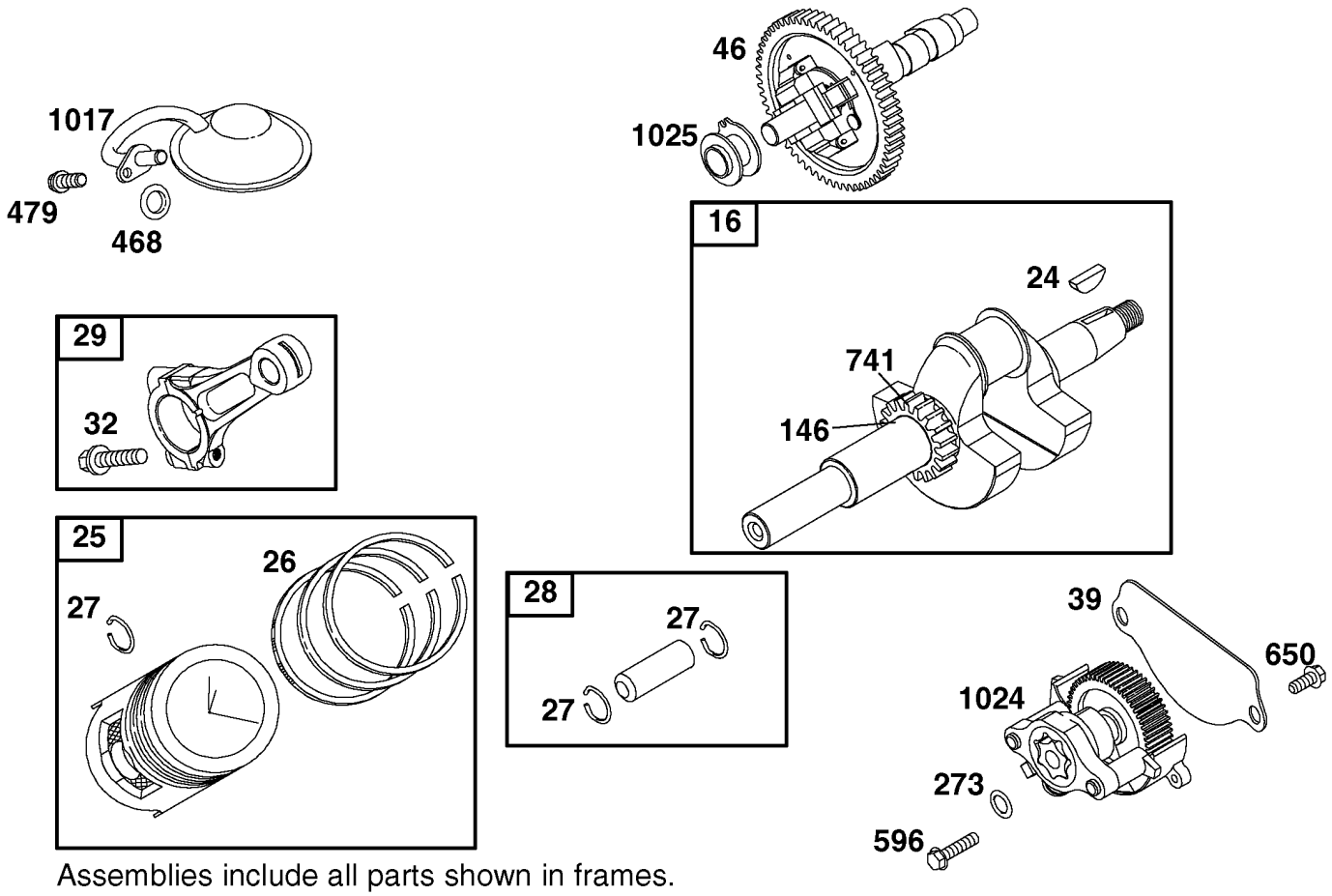


Assemblies include all parts shown in frames.

Cylinder Assembly
Briggs and Stratton 303447-1180-E1

Ref	Part No.	Qty.	Description
1	692178	1	Cylinder Assembly
2	808534	1	Bushing
❸3	805101	1	Seal-Oil
8	807795	1	Breather Assembly
❸9	807688	1	Gasket-Breather
10	805751	1	Screw
12	806190	1	Gasket-Crankcase
15	805048	1	Plug-Oil Drain
17	690752	1	Bearing-Ball
18	808847	1	Cover-Crankcase
❸20	805049	1	Seal-Oil
22	692540	1	Screw
89	690283	1	Plug-Oil
276	690704	1	Washer-Sealing
287	805247	1	Screw
439	692154	1	O-Ring (crankcase Cover)
523	807977	1	Dipstick
❸524	281370	1	Grommet
525	807584	1	Tube-Oil Fill
552	690701	1	Bushing-Governor Crank
552A	806686	1	Bushing-Governor Crank
565	690706	1	Washer
572	805197	1	Baffle-Oil
614	691550	1	Pin-Cotter
616	806685	1	Fork-Governor

Ref	Part No.	Qty.	Description
❸691	690680	1	Seal-Governor Shaft
718	690684	1	Pin-Locating
737	690679	1	Bolt (oil Pump)
816	690706	1	Washer
❸842	805386	1	O-Ring
❸988	805250	1	Gasket-Adapter
1027	492932	1	Filter-Oil
1028	808325	1	Adapter-Oil Filter
1058	274272	1	Manual-Owner's

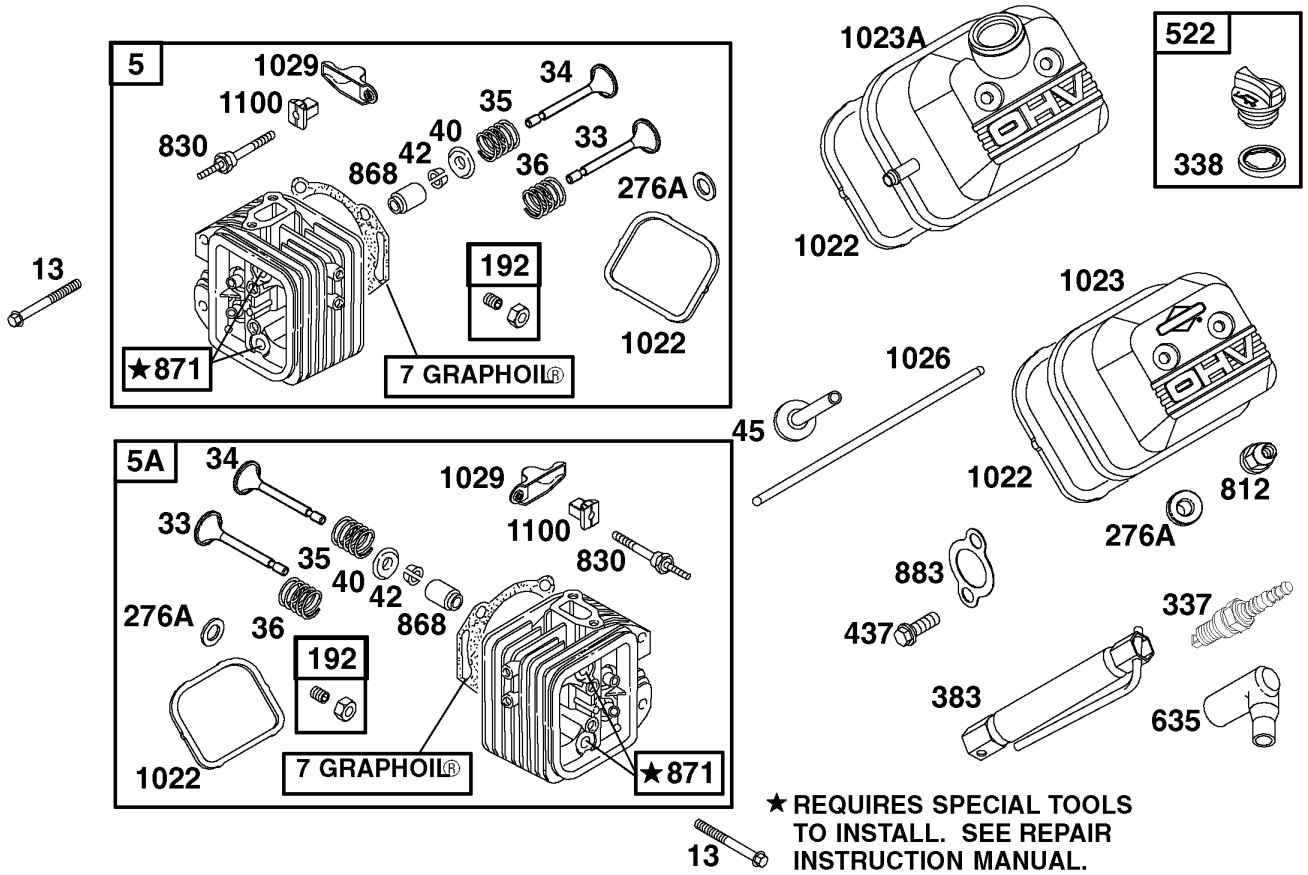


Assemblies include all parts shown in frames.

Crankshaft Assembly
Briggs and Stratton 303447-1180-E1

Ref	Part No.	Qty.	Description
16	692168	1	Crankshaft
24	806066	1	Key-Flywheel
25	807619	1	Piston Assembly (standard)
	807807	1	Piston Assembly .010 O.s.
	807809	1	Piston Assembly .020 O.s.
	807811	1	Piston Assembly .030 O.s.
26	807620	1	Ring Set (standard)
	807808	1	Ring Set (.010" O.s.)
	807810	1	Ring Set (.020" O.s.)
	807812	1	Ring Set (.030" O.s.)
27	690683	1	Lock-Piston Pin
28	807621	1	Pin-Piston
29	807900	1	Rod-Connecting
	807809	1	Piston Assembly .020 O.s.
32	690698	1	Screw
39	690745	1	Deflector-Oil
46	691557	1	Camshaft
146	94196	1	Key-Timing
❸273	690681	1	Seal-O Ring (oil Pump)
❸468	690690	1	Screw
479	692537	1	Screw
596	691492	1	Screw
650	692539	1	Screw
741	691530	1	Gear-Timing
1017	690900	1	Screen-Oil Pump

Ref	Part No.	Qty.	Description
1024	693185	1	Pump-Oil
1025	690689	1	Spool-Governor

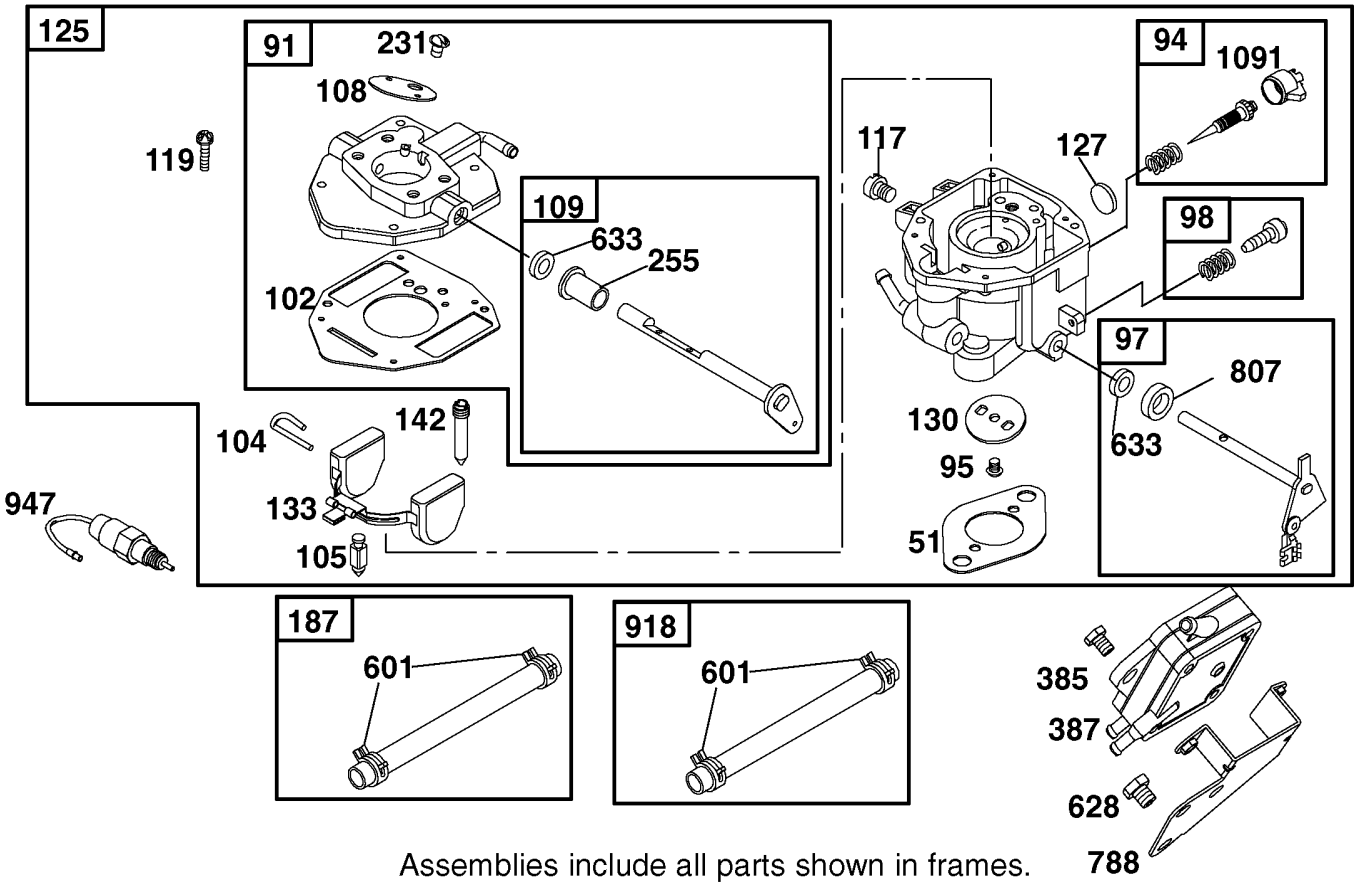


Assemblies include all parts shown in frames.

Crankcase Assembly
Briggs and Stratton 303447-1180-E1

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-Cylinder Head
13	805097	1	Screw-HH
33	807681	1	Valve-Exhaust
34	807680	1	Valve-Intake
35	805937	1	Spring-Valve
36	805937	1	Spring-Valve
40	805092	1	Retainer-Valve
42	807683	1	Keeper-Valve
45	262679	1	Tappet-Valve
192	807623	1	Screw
❸❹276A	805420	1	Washer
337	496018	1	Sparkplug
❸❹338	691312	1	Gasket-Dipstick
383	19374	1	Wrench-Sparkplug
522	491832	1	Plug-Oil Filler
437	805158	1	Screw
635	805529	1	Boot-Spark Plug
812	805019	1	Nut-Lock
830	691544	1	Stud-Rocker Arm
868	805094	1	Seal-Valve
871	805084	1	Guide-Valve
❸❹883	805024	1	Gasket-Exhaust
❸❹1022	806039	1	Gasket-Valve Cover

Ref	Part No.	Qty.	Description
1023	691494	1	Cover-Valve
1023A	690910	1	Cover-Valve
1026	805352	1	Rod-Push
	805617	1	Rod-Push (aluminum-Exhaust)
1029	691543	1	Arm-Rocker
1100	690973	1	Pivot-Rocker Arm

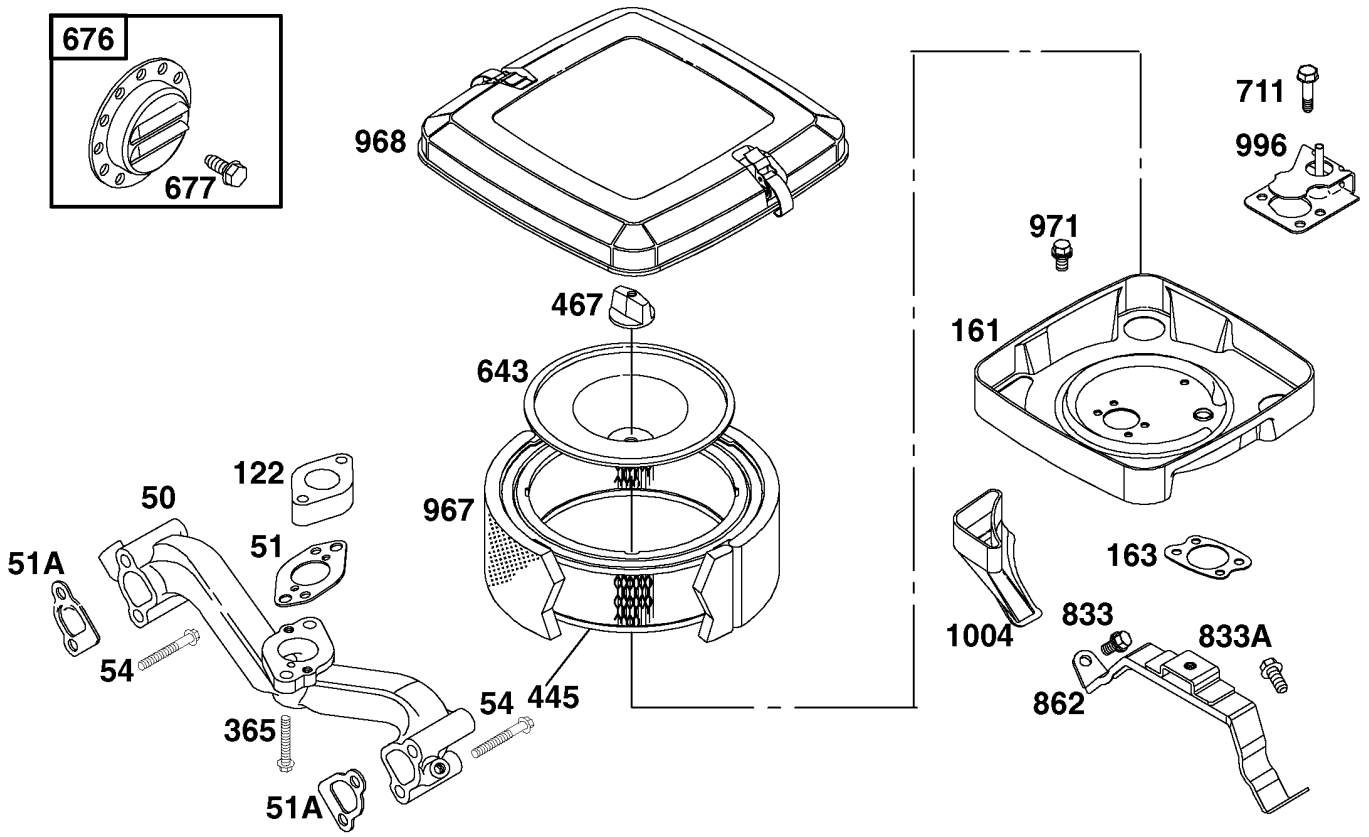


Assemblies include all parts shown in frames.

Carburetor Assembly
Briggs and Stratton 303447-1180-E1

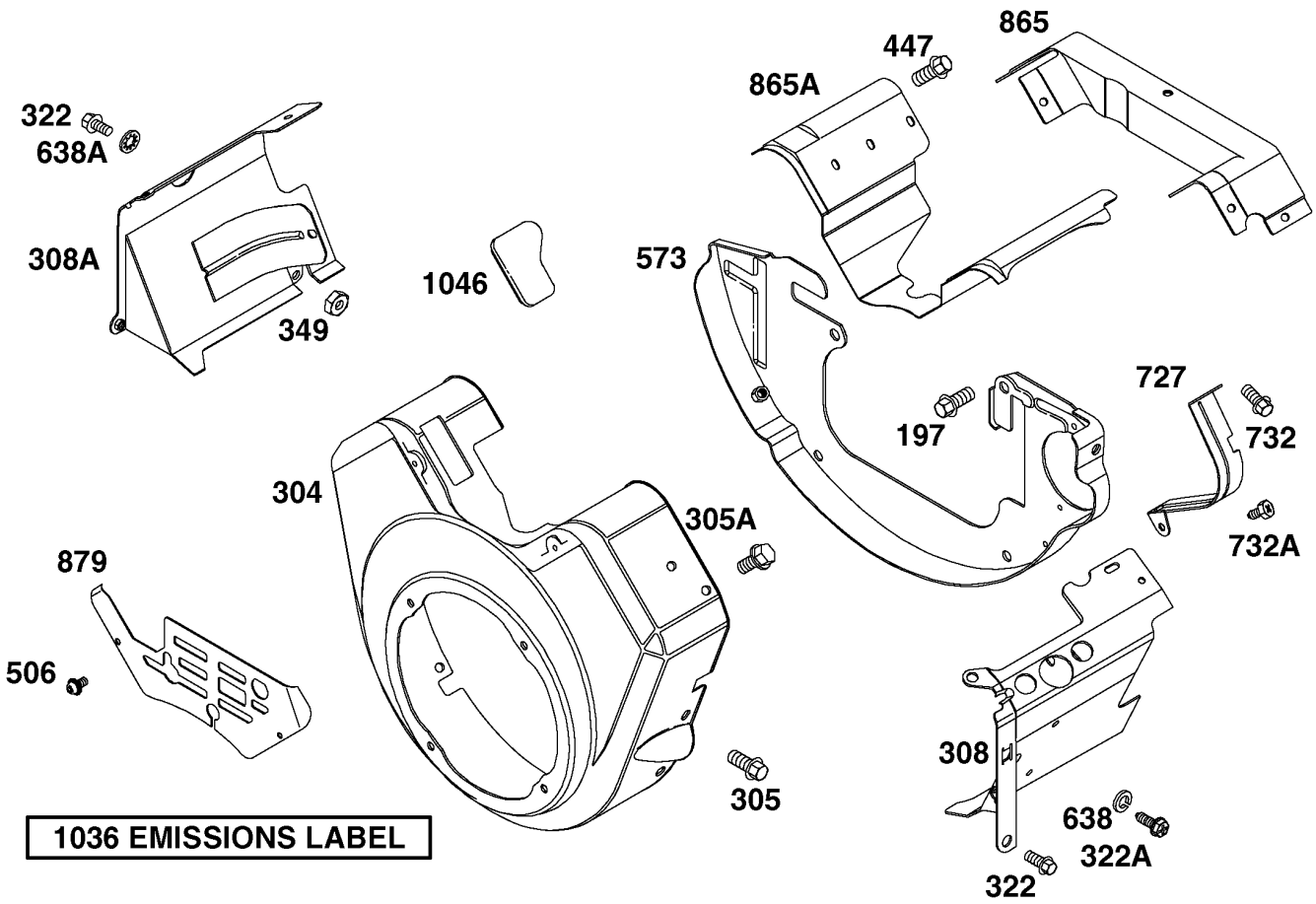
Ref	Part No.	Qty.	Description
❸51	805700	1	Gasket-Intake
91	807919	1	Body-Upper Carburetor
❻94	808257	1	Idle Mixture Kit
95	690718	1	Screw
97	807720	1	Shaft-Throttle
98	808177	1	Screw
❻102	805541	1	Gasket-Intake Elbow
❻104	690723	1	Pin-Float Hinge
❻105	805547	1	Valve-Needle
108	690719	1	Valve-Choke
109	807722	1	Shaft-Choke
117	690861	1	Jet-Main
	805537	1	Jet-Main (high Altitude)
119	690720	1	Screw
125	808251	1	Carburetor Assembly
❻127	690727	1	Plug-Welch
130	690726	1	Valve-Throttle
133	691510	1	Float-Carburetor
❻142	690725	1	Nozzle-Carburetor
187	296004	1	Fuel-Hose
231	690718	1	Screw
❻255	690721	1	Bushing-Choke Shaft
385	692537	1	Screw
387	491922	1	Pump-Fuel
601	93053	1	Clamp-Hose

Ref	Part No.	Qty.	Description
628	805025	1	Screw
❻633	690722	1	Seal-Choke Shaft
788	691559	1	Bracket-Pump
❻807	805557	1	Collar-Throttle
918	393815	1	Hose-Fuel
947	807664	1	Solenoid
❻1091	691516	1	Cap-Limiter



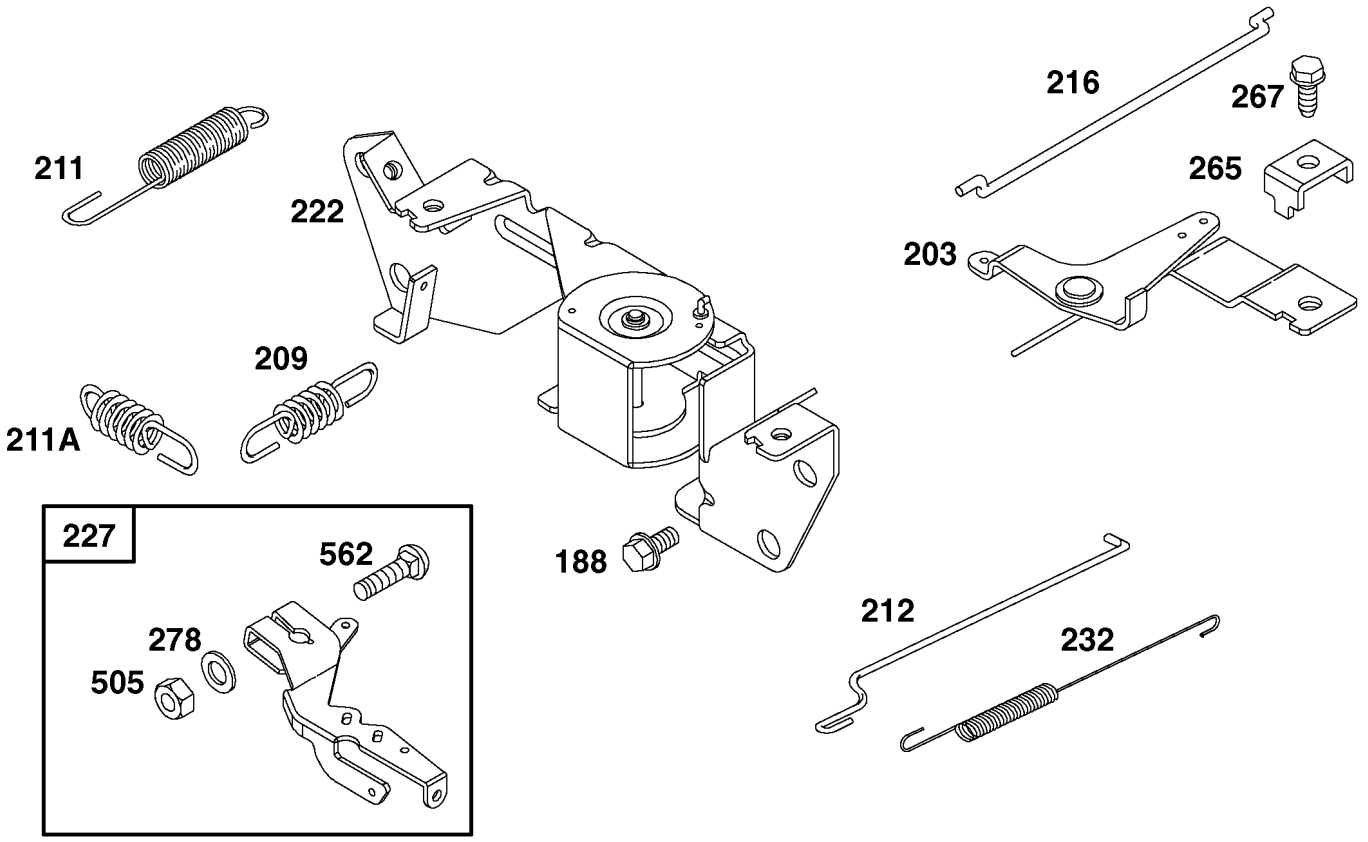
Air Cleaner Assembly
Briggs and Stratton 303447-1180-E1

Ref	Part No.	Qty.	Description
50	690754	1	Manifold-Intake
❸51	805700	1	Gasket-Intake
❸❹51A	805023	1	Gasket-Intake
54	690676	1	Screw
122	690691	1	Spacer-Carburetor
161	691561	1	Base-Air Cleaner
❸163	805655	1	Gasket-Carburetor
365	690711	1	Screw
445	394018	1	Filter-Air
467	491875	1	Knob
643	805631	1	Plate-Element
676	397630	1	Deflector-Exhaust
677	94896	1	Screw
711	691492	1	Screw
833	692539	1	Screw
833A	690872	1	Screw
862	692153	1	Mount-Cleaner
967	272490	1	Filter-Air
968	807862	1	Cover-Air Cleaner
971	692539	1	Screw
996	691577	1	Shield-Carburetor
1004	690743	1	Strap-Cleaner Mounting



Blower Housing Assembly
Briggs and Stratton 303447-1180-E1

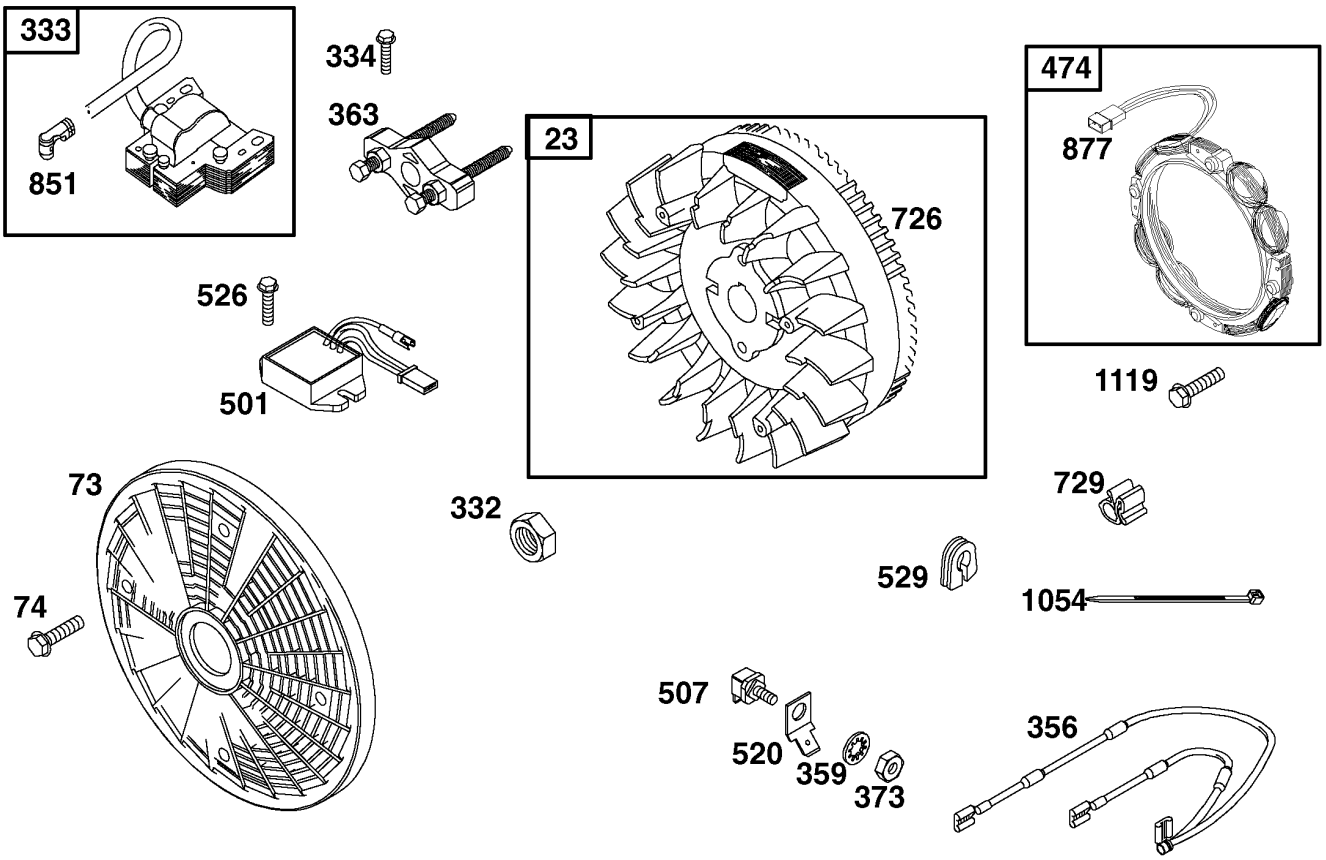
Ref	Part No.	Qty.	Description
197	692539	1	Screw
304	808408	1	Housing-Blower
305	692539	1	Screw
305A	805025	1	Screw
308	691576	1	Cover-Cylinder Head (cylinder No.1)
308A	691563	1	Cover-Cylinder Head (cylinder No.2)
322	692539	1	Screw
322A	805448	1	Screw
349	690238	1	Nut (governor Control Lever)
447	692539	1	Screw
506	690617	1	Screw (carburetor Cover)
573	807663	1	Plate-Back
638	690706	1	Washer
638A	691551	1	Washer-Lock
727	690714	1	Shield-Starter
732	692539	1	Screw
732A	690688	1	Screw (flywheel Guard)
865	690901	1	Cover-Air Guide
865A	690750	1	Cover-Air Guide
879	690757	1	Cover-Carburetor
1036	806687	1	Decal-Emission
1046	805753	1	Plug-Blower Housing



Assemblies include all parts shown in frames.

Governor Assembly
Briggs and Stratton 303447-1180-E1

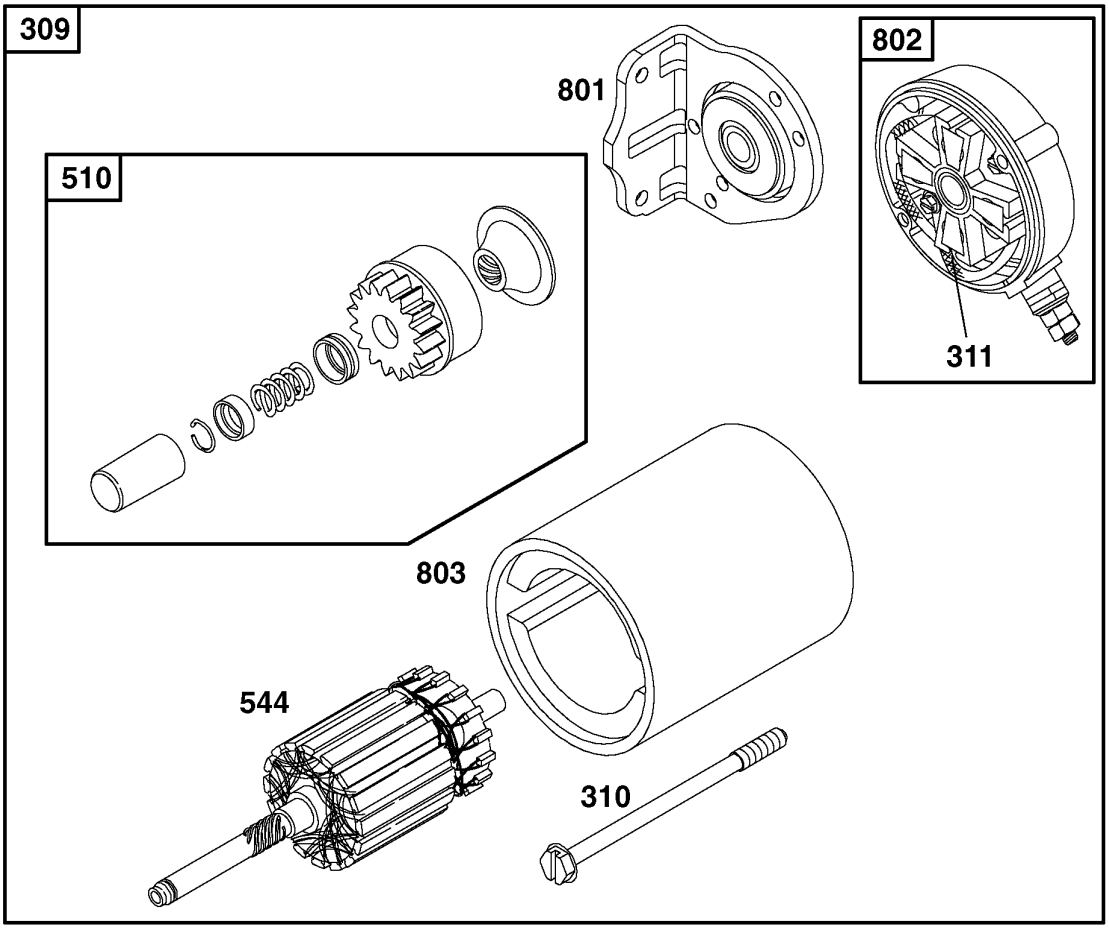
Ref	Part No.	Qty.	Description
188	805025	1	Screw
203	690923	1	Crank-Bell
209	691508	1	Spring-Governor
211	805450	1	Spring-Governor
211A	805453	1	Spring-Governor
212	690712	1	Link-Governor
216	690705	1	Link-Choke
222	808454	1	Bracket-Control
227	690236	1	Lever-Governor Control
232	805465	1	Spring-Link
265	221535	1	Clamp-Casing
267	805762	1	Screw-HH
278	690237	1	Washer
505	690238	1	Nut (governor Control Lever)
562	690239	1	Bolt-Carriage



Assemblies include all parts shown in frames.

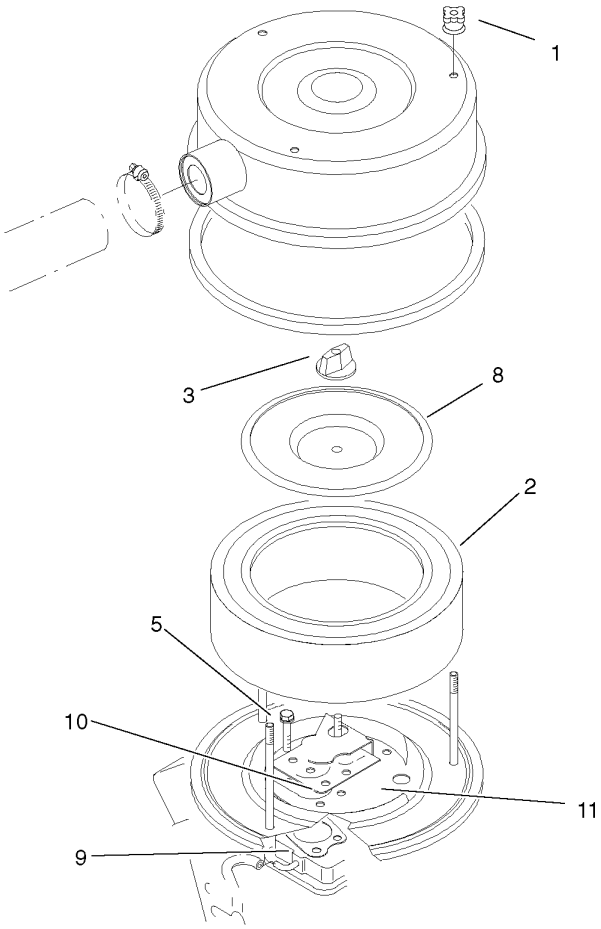
Flywheel Assembly
Briggs and Stratton 303447-1180-E1

Ref	Part No.	Qty.	Description
23	690919	1	Flywheel
73	494439	1	Screen-Rotating
74	805447	1	Screw
332	690887	1	Nut
333	49234	1	Armature-Magneto
334	805407	1	Screw-HH
356	493792	1	Wire-Stop
359	691077	1	Washer (groundterminal)
363	19203	1	Puller-Flywheel
373	90576	1	Nut
474	393295	1	Alternator
501	394890	1	Regulator
507	398525	1	Insulator
520	691084	1	Terminal-Spade
526	805448	1	Screw
529	690744	1	Grommet
726	808162	1	Ring Gear (includes Mounting Hardware).
729	690586	1	Clip-Wire
851	493880	1	Terminal-Cable
877	393537	1	Wire-Alternator
1054	280275	1	Cable Tie
1119	805407	12	Screw-HH



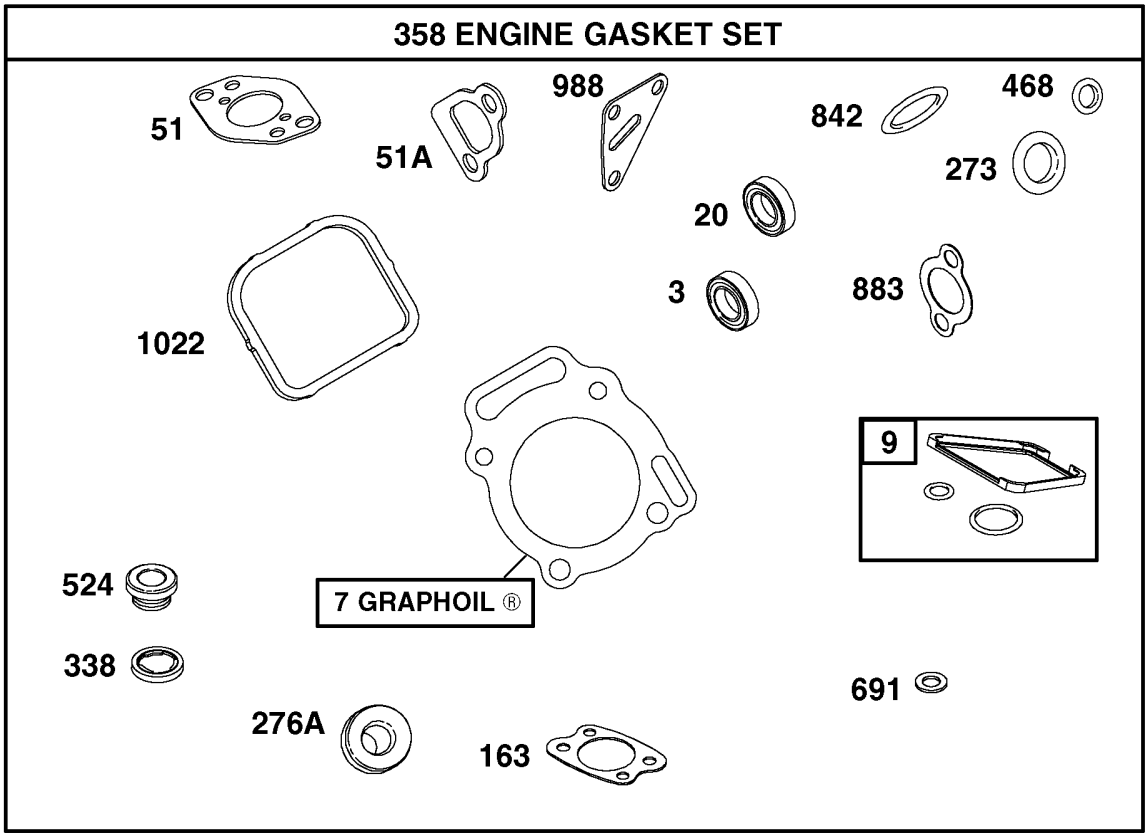
Starter Assembly
Briggs and Stratton 303447-1180-E1

Ref	Part No.	Qty.	Description
309	691564	1	Motor-Starter
310	496880	1	Bolt-Thru
311	496887	1	Brush Set
510	496881	1	Drive-Starter
544	690855	1	Armature-Starter
697	805247	1	Screw
801	496814	1	Cap-Drive
802	496813	1	Bolt
803	690854	1	Housing-Starter



Engine Parts Kit
Briggs and Stratton 303447-1180-E1

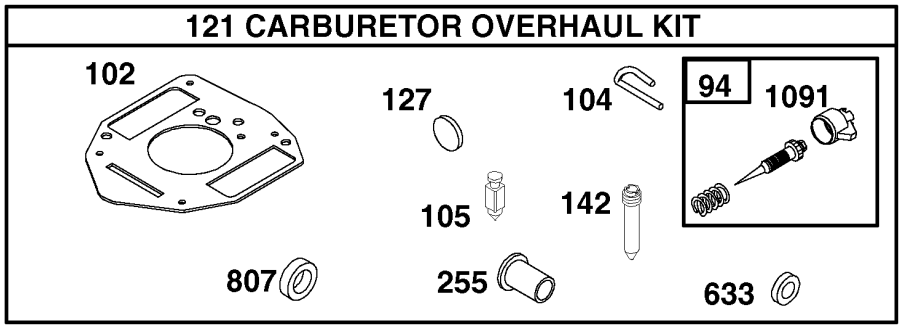
Ref	Part No.	Qty.	Description
1	281051	3	Nut
2	394018	1	Filter-Air
3	491875	1	Knob
5	805317	5	Screw-Hfh
8	805631	1	Plate-Element
9	805655	1	Gasket-Carburetor
10	808311	1	Shield-Carburetor
11	805783	1	Hose-Breather

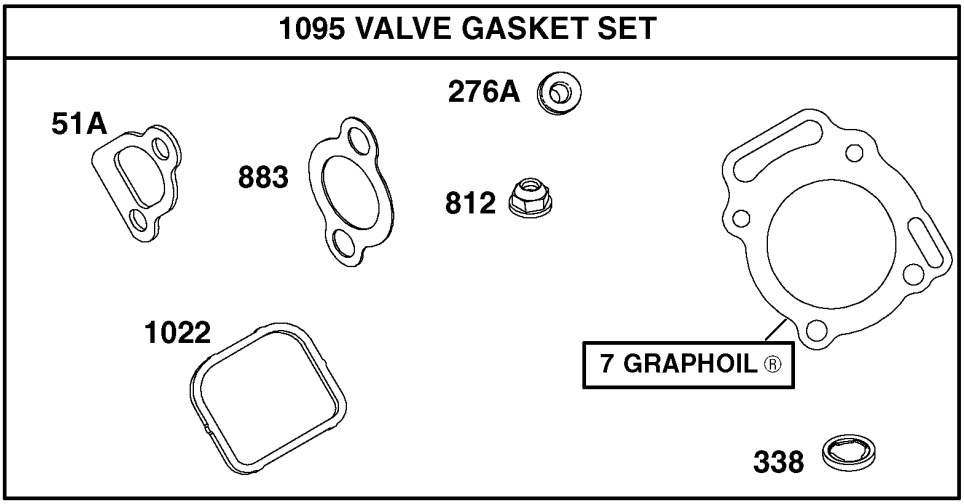


Assemblies include all parts shown in frames.

Gasket Kit
Briggs and Stratton 303447-1180-E1

Ref	Part No.	Qty.	Description
❸3	805101	1	Seal-Oil
❸❺7	806085	1	Gasket-Cylinder Head
❸9	807688	1	Gasket-Breather
❸20	805049	1	Seal-Oil
❸51	805700	1	Gasket-Intake
❸❺51A	805023	1	Gasket-Intake
❸163	805655	1	Gasket-Carburetor
❸273	690681	1	Seal-O Ring (oil Pump)
❸❺276A	805420	1	Washer
❸❺338	271983	1	Seal-Filler Plug
358	808390	1	Gasket Set
❸468	690690	1	Screw
❸524	281370	1	Grommet
❸691	690680	1	Seal-Governor Shaft
❸842	805386	1	O-Ring
❸❺883	805024	1	Gasket-Exhaust
❸988	805250	1	Gasket-Adapter
❸❺1022	806039	1	Gasket-Valve Cover





Assemblies include all parts shown in frames.

Carburetor Overhaul Kit Assembly
Briggs and Stratton 303447-1180-E1

Ref	Part No.	Qty.	Description
❸❹7	806085	1	Gasket-Cylinder Head
❸❹51A	805023	1	Gasket-Intake
❻94	808257	1	Idle Mixture Kit
❻102	805541	1	Gasket-Intake Elbow
❻104	690723	1	Pin-Float Hinge
❻105	805547	1	Valve-Needle
121	808273	1	Carburetor Kit
❻127	690727	1	Plug-Welch
❻142	690725	1	Nozzle-Carburetor
❻255	690721	1	Bushing-Choke Shaft
❸❹276A	805420	1	Washer
❸❹338	691312	1	Gasket-Dipstick
❻633	690744	1	Grommet
❻807	805557	1	Collar-Throttle
❻812	805019	1	Nut-Lock
❸❹883	805024	1	Gasket-Exhaust
❸❹1022	806039	1	Gasket-Valve Cover
❻1091	691516	1	Cap-Limiter
1095	808392	1	Gasket Set-Valve


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