



Sand Pro[®] 2020

Model No. 08884 - 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.

Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

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

Footnotes

- ❶ Not illustrated

❸ Included in Engine Gasket Set-Part No. 808390.

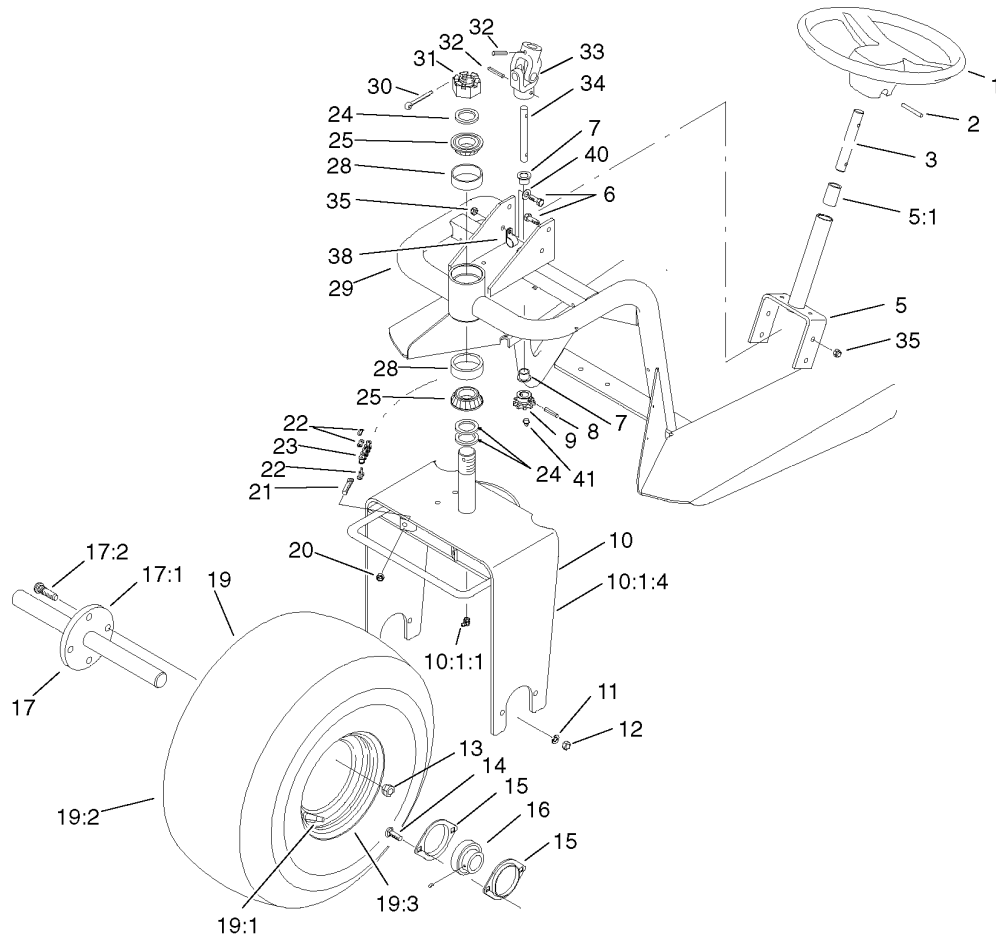
❺ Included in Valve Gasket Set-Part No 808392.
- ❷ Not serviced separately

❹ Included in Valve Gasket Set-Part No. 808392.

❻ Included in Carburetor Overhaul Kit-Part No. 808273.

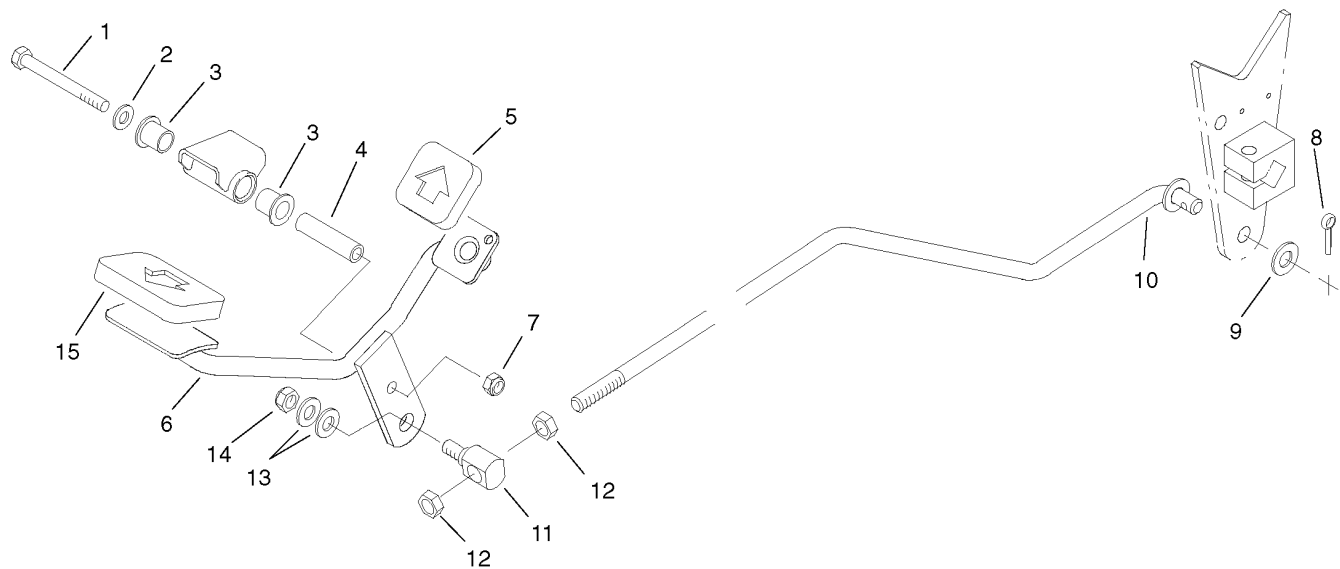
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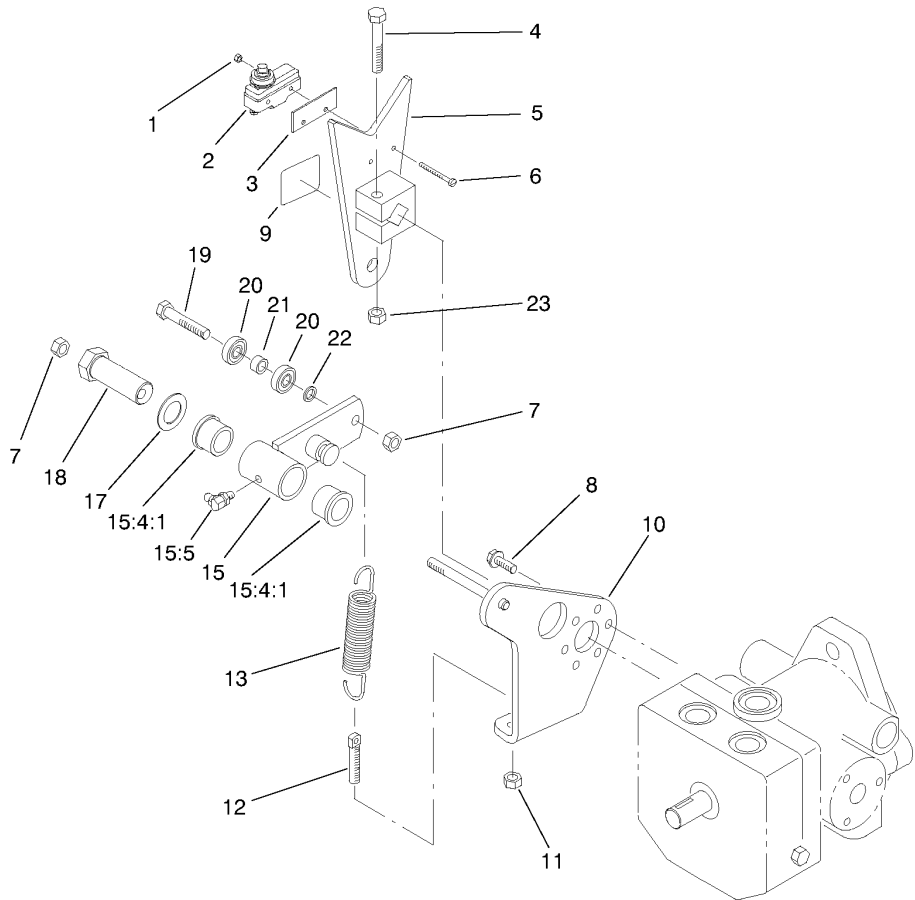
Front Wheel and Steering Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	76-1420	1	Wheel-Steering	20	3296-4	2	Nut-Lock, NI
2	32121-111	1	Pin-Roll	21	18-6380	2	Pin-Adjustment, Steering
3	85-6610	1	Shaft-Steering	22	2710-11	2	Link-Chain
5	92-5035	1	Steering Post ASM	23	92-5039	1	Chain-Steering
5:1	256-185	1	Bushing	24	18-6320	3	Washer-Steering
6	322-5	4	Screw-HH	25	254-70	2	Bearing-Cone
7	65-8770	2	Bushing-Bellcrank	28	254-61	2	Bearing-Cup
8	98-0973	1	Pin-Grooved	29	95-0600-01	1	Frame
9	85-9180	1	Sprocket-Steering	30	3272-37	1	Pin-Cotter
10		1	Fork ASM	31	32136-9	1	Nut-SHH
10:1:1	302-33	1	Fitting-Grease	32	32121-15	2	Pin-Roll
10:1:4	95-0571-01	1	Fork-Offset	33	85-9200	1	Knuckle-Steering
11	3253-21	4	Washer-Lock	34	98-0928	1	Shaft-Steering, Lower
12	3217-7	4	Nut-Hex	35	3296-29	4	Nut-Lock, NI
13	242-50	4	Nut-Lug	38	94-6821	2	Clamp-Wire
14	3231-2	4	Screw-CARR	40	3256-23	2	Washer-Flat
15	251-166	4	Bearing-Flange	41	302-2	1	Fitting-Grease
16	251-165	2	Bearing-Ball				
17		1	Front Axle ASM				
17:1	84-7940	1	Shaft-Axle				
17:2	10-6830	4	Stud-Type, Drive				
19		1	Wheel And Tire ASM				
19:1	232-35	1	Valve Stem And Cap ASM				
19:2	85-8290	1	Tire				
19:3	94-6116	1	Wheel-Rear				



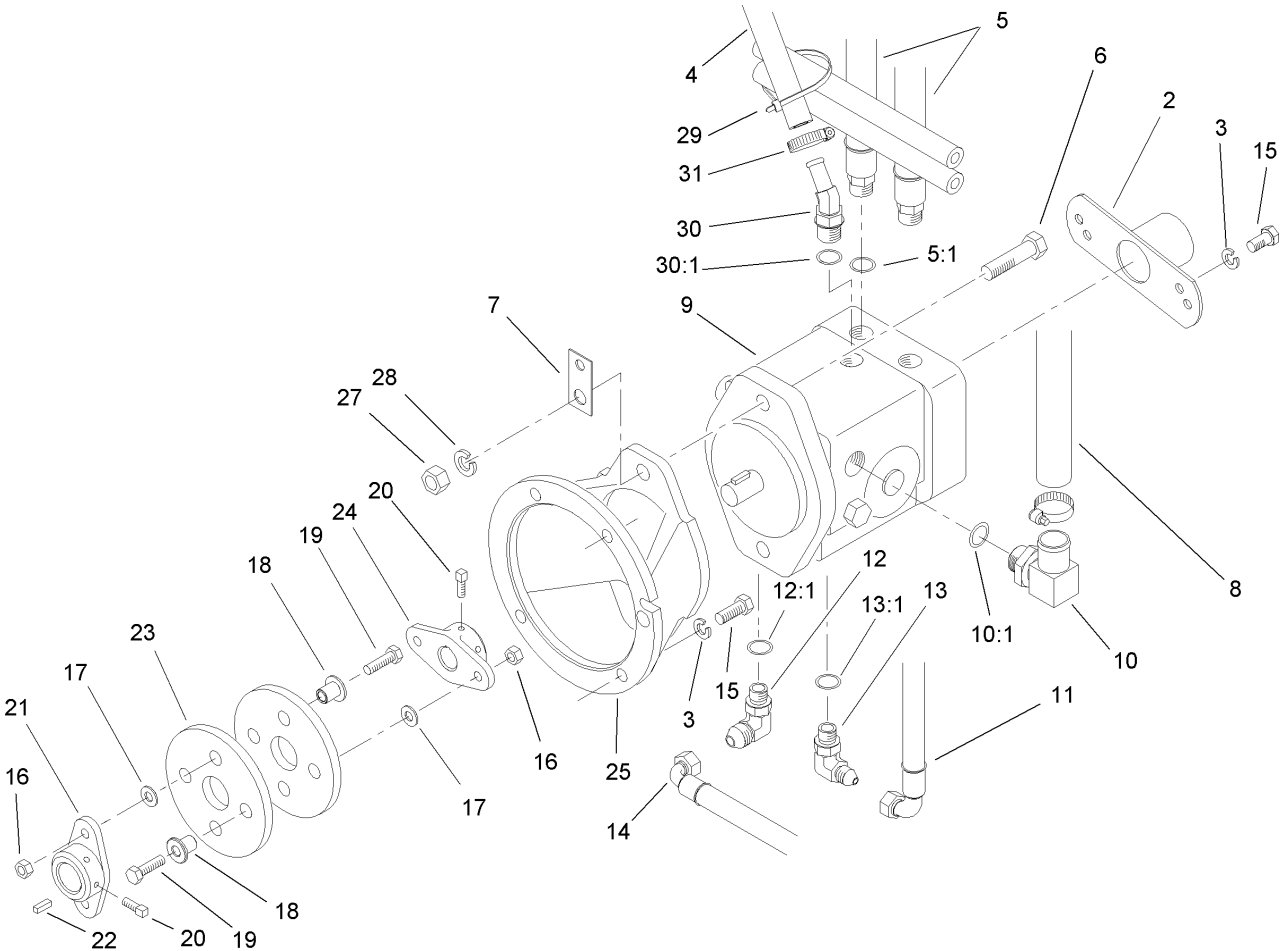
Traction Pedal Assembly

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

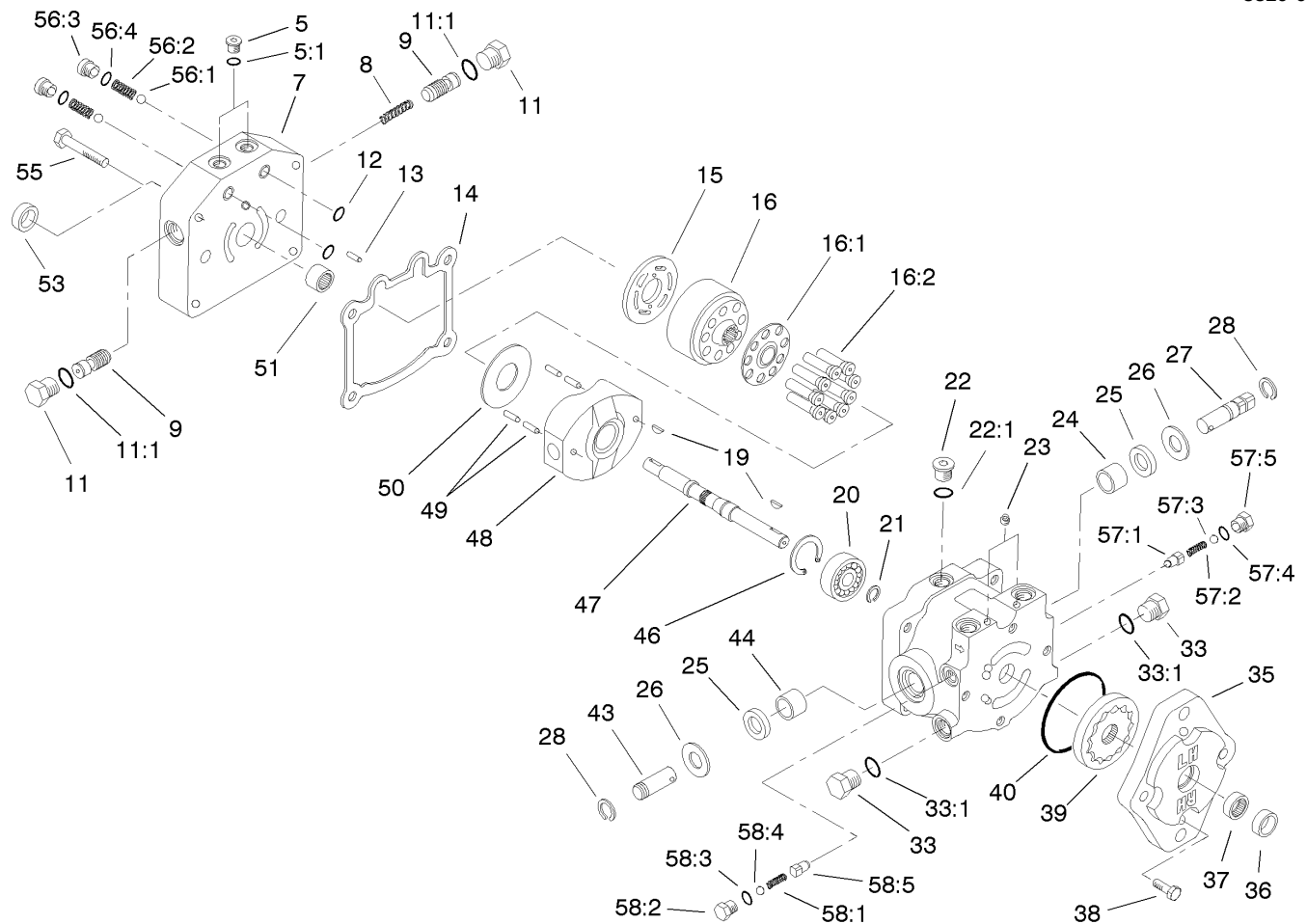
Ref	Part No.	Qty.	Description				
1	3296-9	2	Nut-Lock, NI				
2	29-6163	1	Switch-Micro				
3	85-9150	1	Plate-Switch				
4	323-10	1	Screw-HH				
5	85-8300-03	1	Lever-Pump				
6	32105-21	2	Screw-HH				
7	3296-29	2	Nut-Lock, NI				
8	49-2040	3	Screw-Tapping				
9	93-9051	1	Decal-Bolt, Eccentric				
10	95-0553-03	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

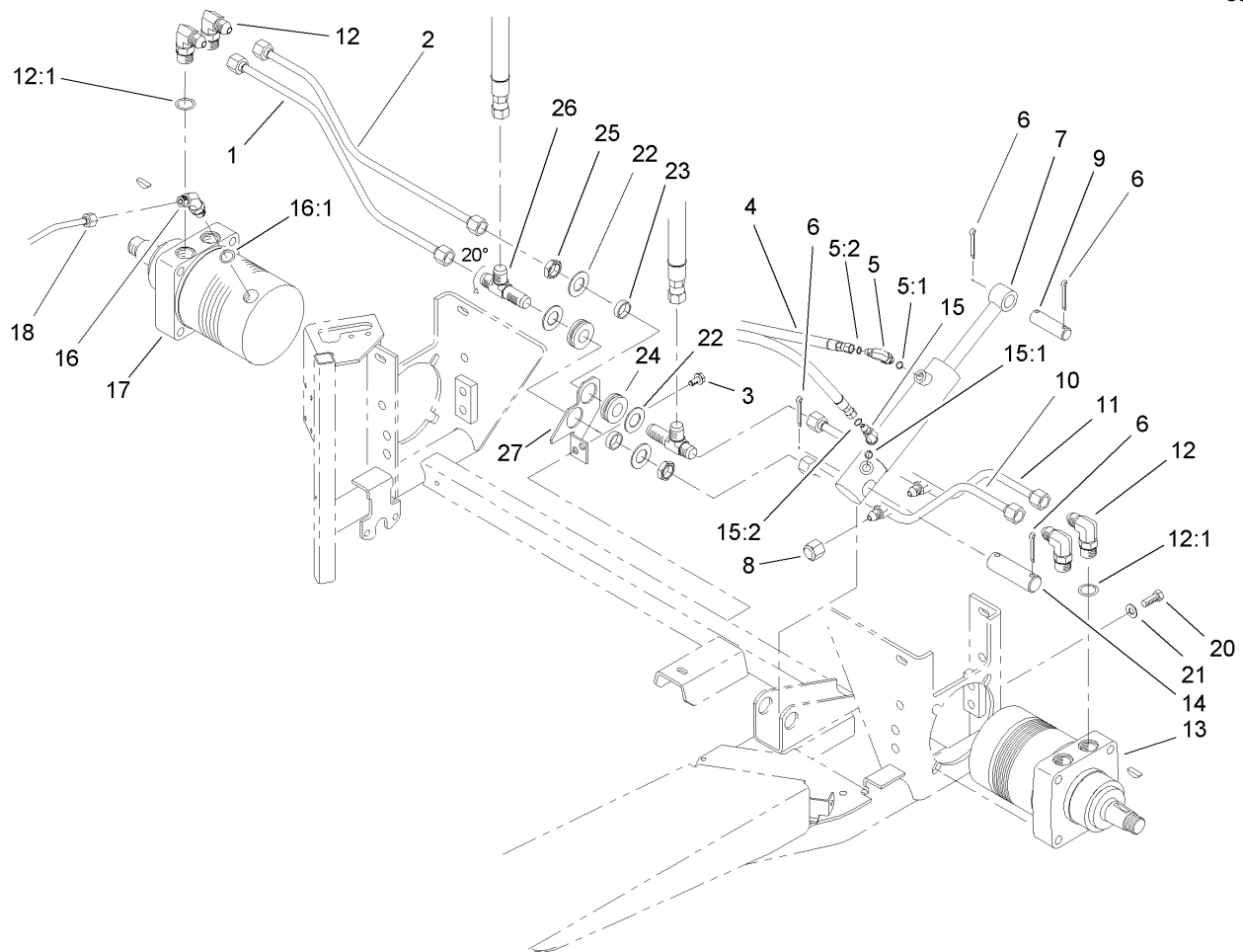


Variable Reversible Pump Assembly No. 106-9248

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
●16:1		1	Retainer-Slipper
●16:2		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
●56	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
●57	49-8520	1	Implement Relief Kit
57:1	83-7260	1	Cone-Relief, Charge

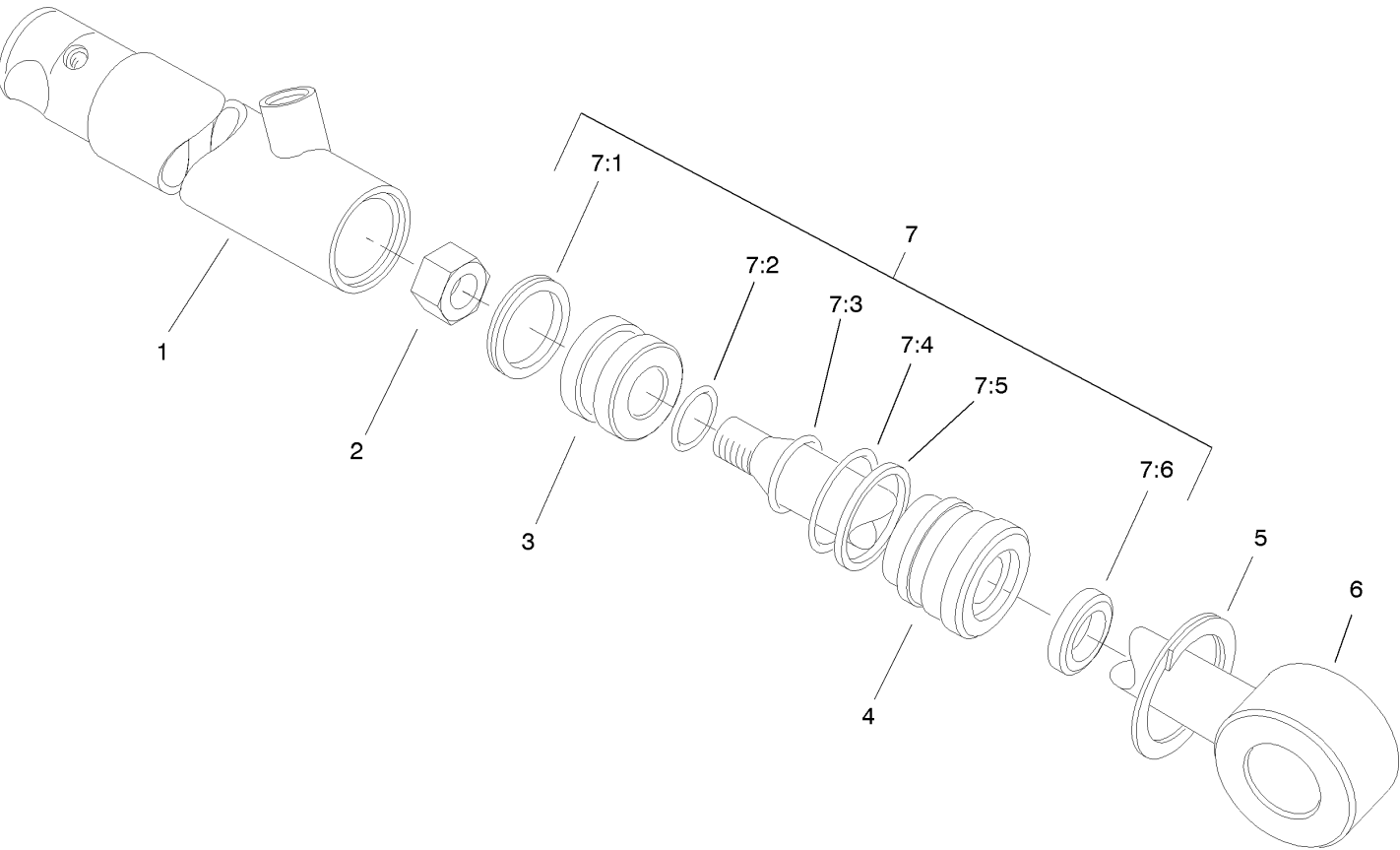
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Rear Wheel Drive Assembly

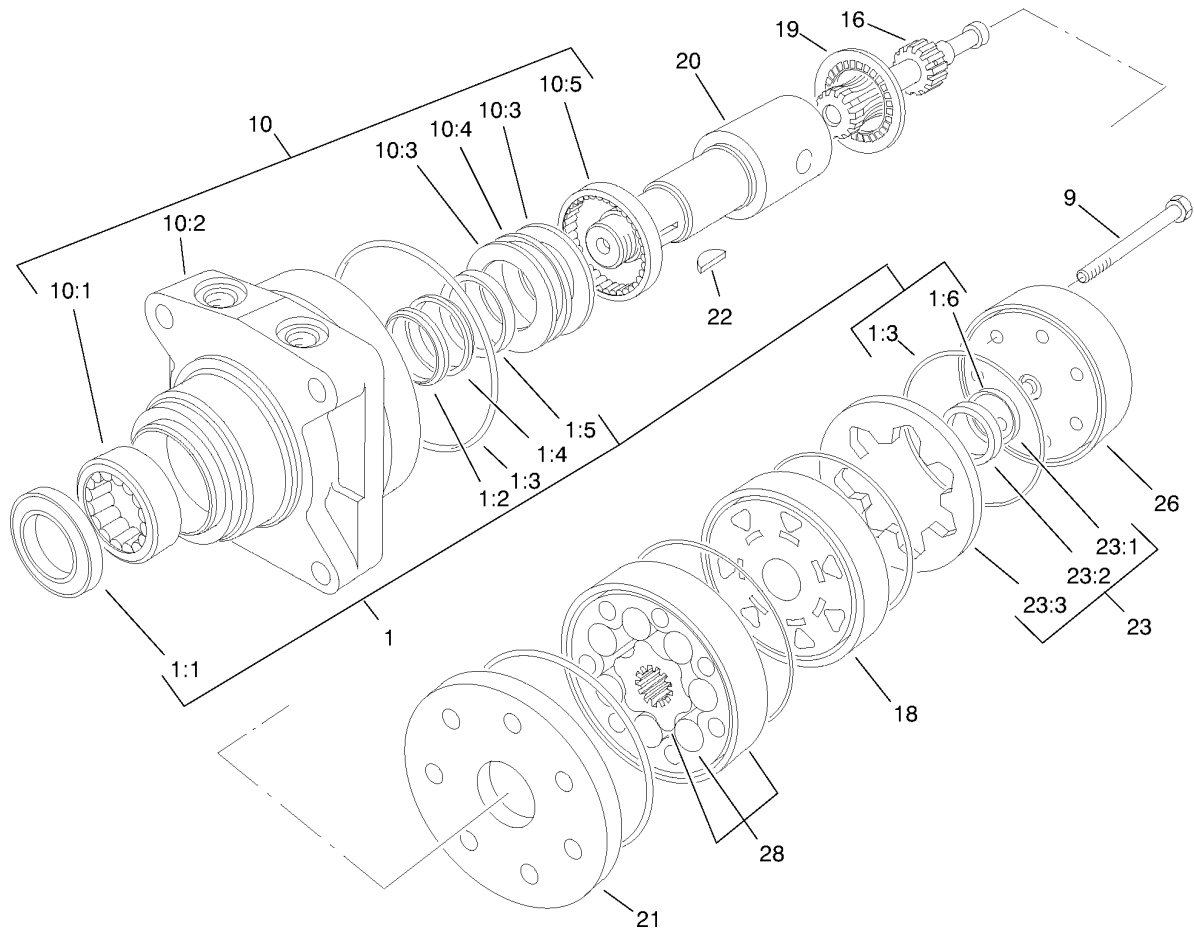
Ref	Part No.	Qty.	Description
1	95-0564	1	Tube-Rh, Front
2	95-0559	1	Tube-Rh, Rear
3	32144-14	2	Screw-HWH
4	75-6200	2	Hose
5	340-132	1	Fitting-Hyd, 90 DEG
5:1	237-78	1	O-Ring
5:2	237-21	1	O-Ring
6	3272-23	4	Pin-Cotter
7	83-7000	1	HYD Cylinder ASM
8	95-0594	2	Fitting-Cap
9	18-7310	1	Pin-Cylinder
10	95-0560	1	Tube-Lh, Front
11	95-0567	1	Tube-Lh, Rear
12	353-426	4	Fitting-90 DEG
12:1	237-80	1	O-Ring
13	75-9831	1	Motor-HYD
14	18-7160	1	Pin-Cylinder
15	340-103	1	Fitting-Hyd, 45 DEG
15:1	237-78	1	O-Ring
15:2	237-21	1	O-Ring
16	353-212	1	Elbow
16:1	237-42	1	O-Ring
17	75-9840	1	Motor-HYD
18	95-0575	1	Tube-Valve, Shuttle
20	325-5	4	Screw-HH

Ref	Part No.	Qty.	Description
21	3256-26	4	Washer-Flat
22	69-8930	4	Washer
23	69-8960	2	Spacer
24	240-5	2	Grommet
25	95-0642	2	Locknut-Bulkhead
26	95-0577	2	Fitting-Bulkhead
27	95-0568-01	1	Bracket-Bulkhead



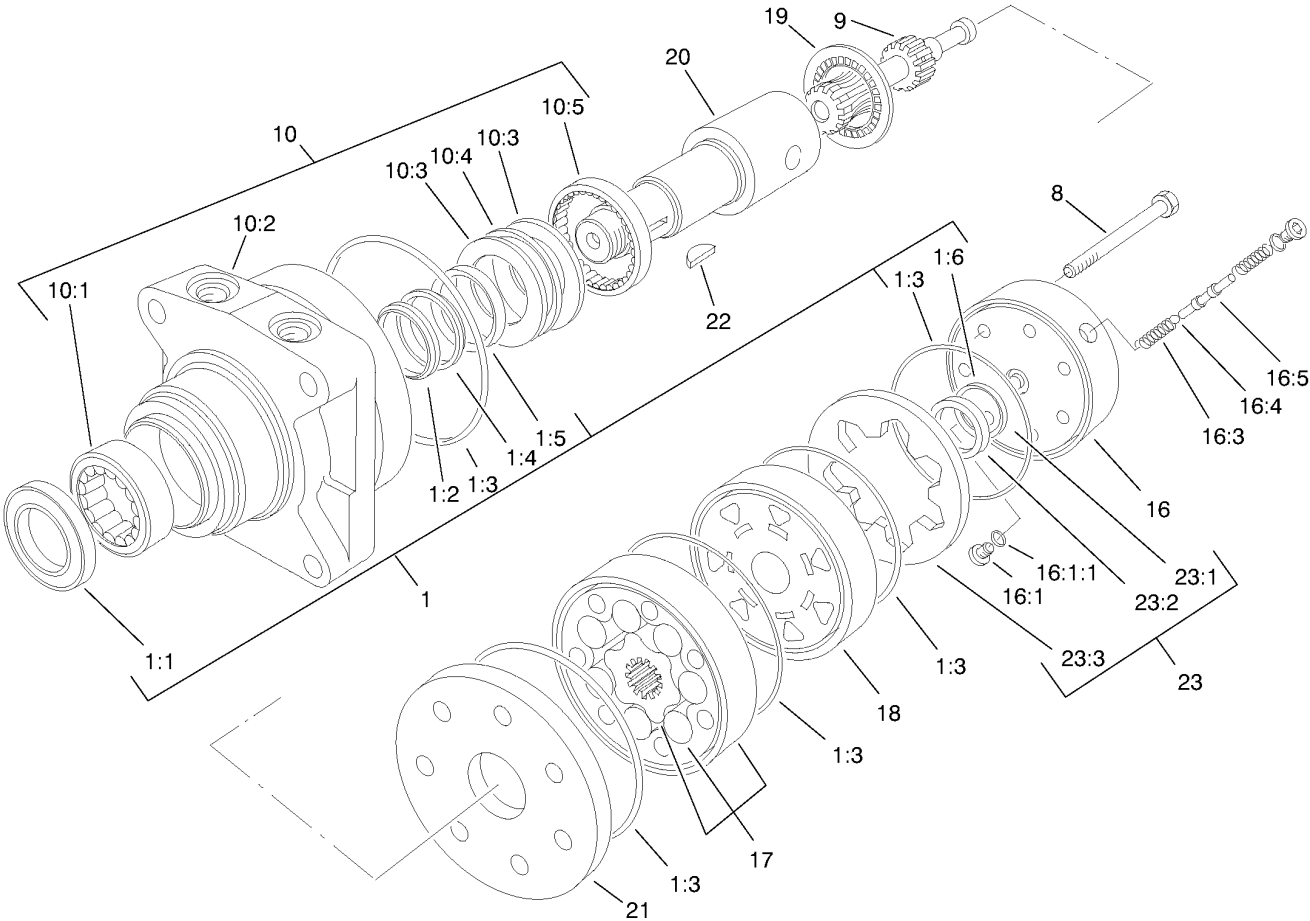
Hydraulic Cylinder Assembly No. 83-7000

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



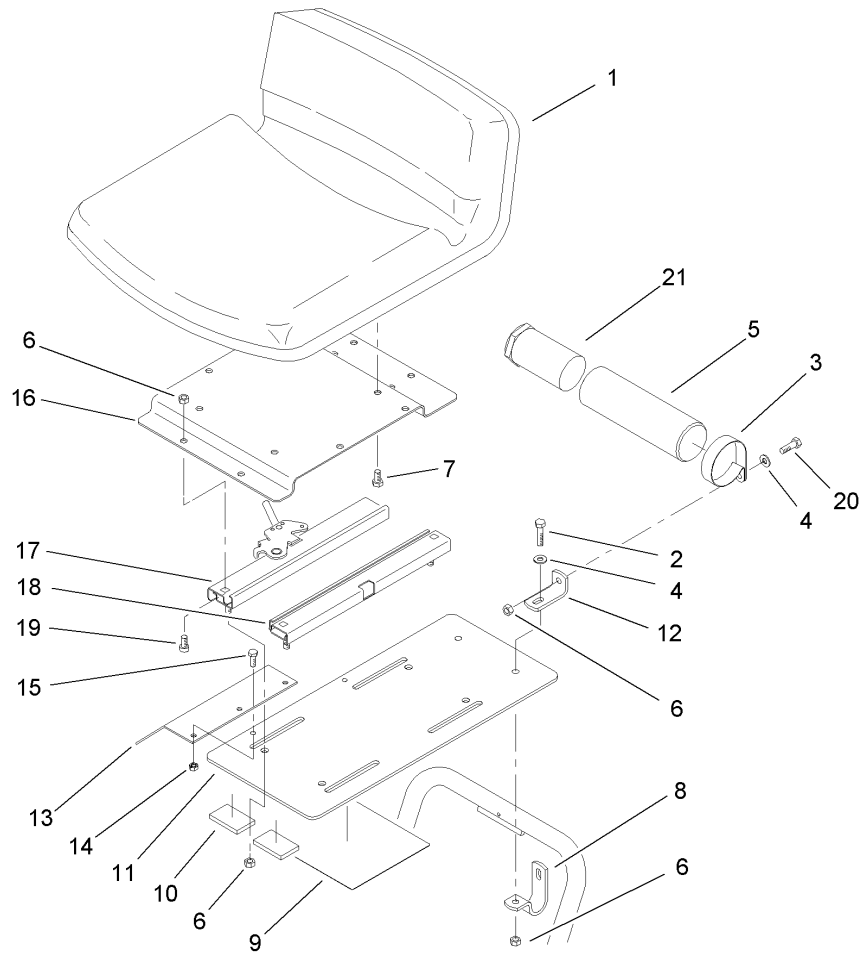
Hydraulic Drive Motor Assembly No. 75-9831

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	94-8178	1	Seal Kit	26	76-0940	1	End Cover ASM
1:1		1	Seal-Dirt And Water	28	76-0830	1	Rotor Set
1:2		1	Washer-Backup				
1:3		5	Seal-Ring				
1:4		1	Washer-Backup				
1:5		1	Seal-Inner				
1:6		1	Seal-Commutator				
9	76-1020	7	Screw-Cap, HH				
10	76-0810	1	Housing ASM				
10:1		1	Bearing				
10:2		1	Housing				
10:3		2	Washer-Thrust				
10:4		1	Bearing-Thrust				
10:5		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				
23:1		1	Seal-Commutator				
23:2		1	Commutator				
23:3		1	Ring-Commutator				



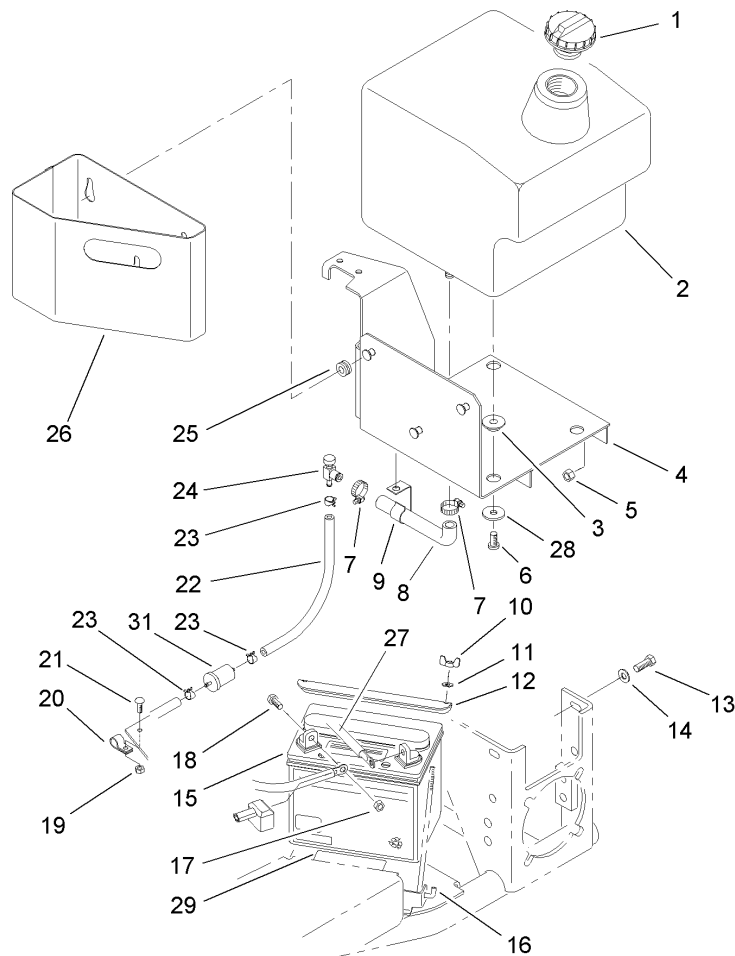
Hydraulic Motor Assembly No. 75-9840

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	94-8178	1	Seal Kit	20	76-0860	1	Shaft-Coupling
1:1		1	Seal-Dirt And Water	21	76-0870	1	Plate-Wear
1:2		1	Washer-Backup	22	3257-42	1	Key-Woodruff
1:3		5	Seal-Ring	23	76-0880	1	Commutator ASM
1:4		1	Washer-Backup	23:1		1	Seal-Commutator
1:5		1	Seal-Inner	23:2		1	Commutator
1:6		1	Seal-Commutator	23:3		1	Ring-Commutator
8	76-1040	7	Screw-Cap, HH				
9	76-0820	1	Line-Drive				
10	76-0810	1	Housing ASM				
10:1		1	Bearing				
10:2		1	Housing				
10:3		2	Washer-Thrust				
10:4		1	Bearing-Thrust				
10:5		1	Bearing				
16	76-0890	1	End Cover ASM				
16:1	353-990	2	Plug				
16:1:1	237-78	1	O-Ring				
16:3		2	Spring				
16:4		1	Ball				
16:5		1	Valve-Shuttle				
17	76-0830	1	Rotor Set				
18	76-0840	1	Manifold				
19	76-0850	1	Bearing-Thrust				



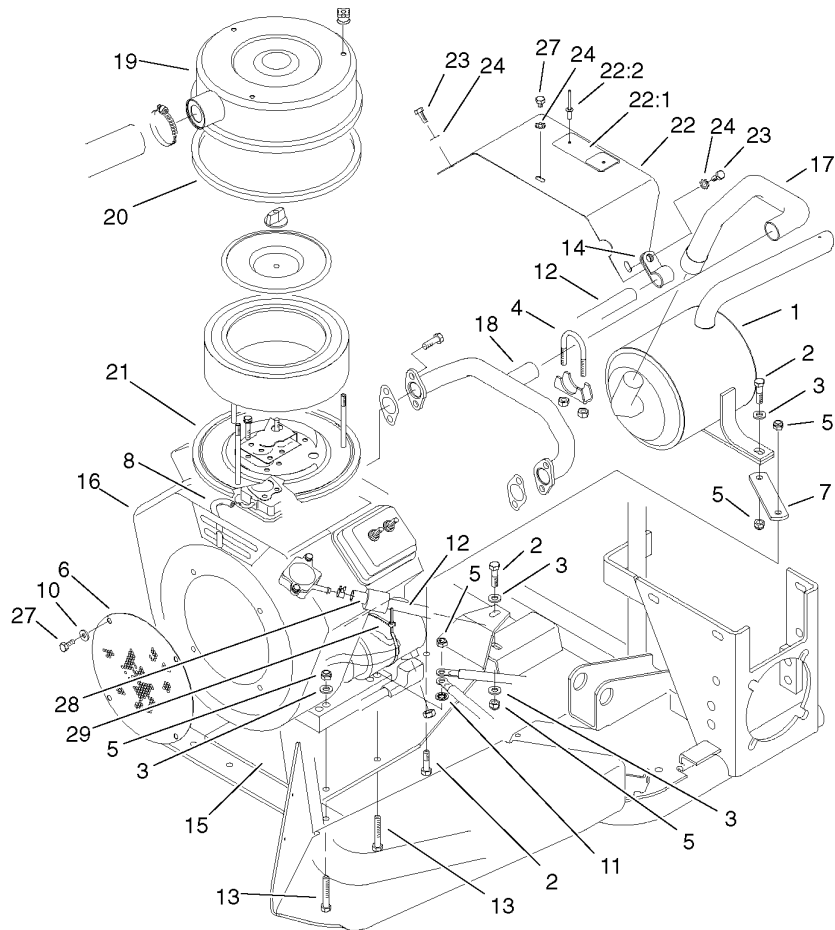
Seat Assembly

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	93-7251	1	Decal-Blank				
9	95-0646	1	Decal-Service				
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

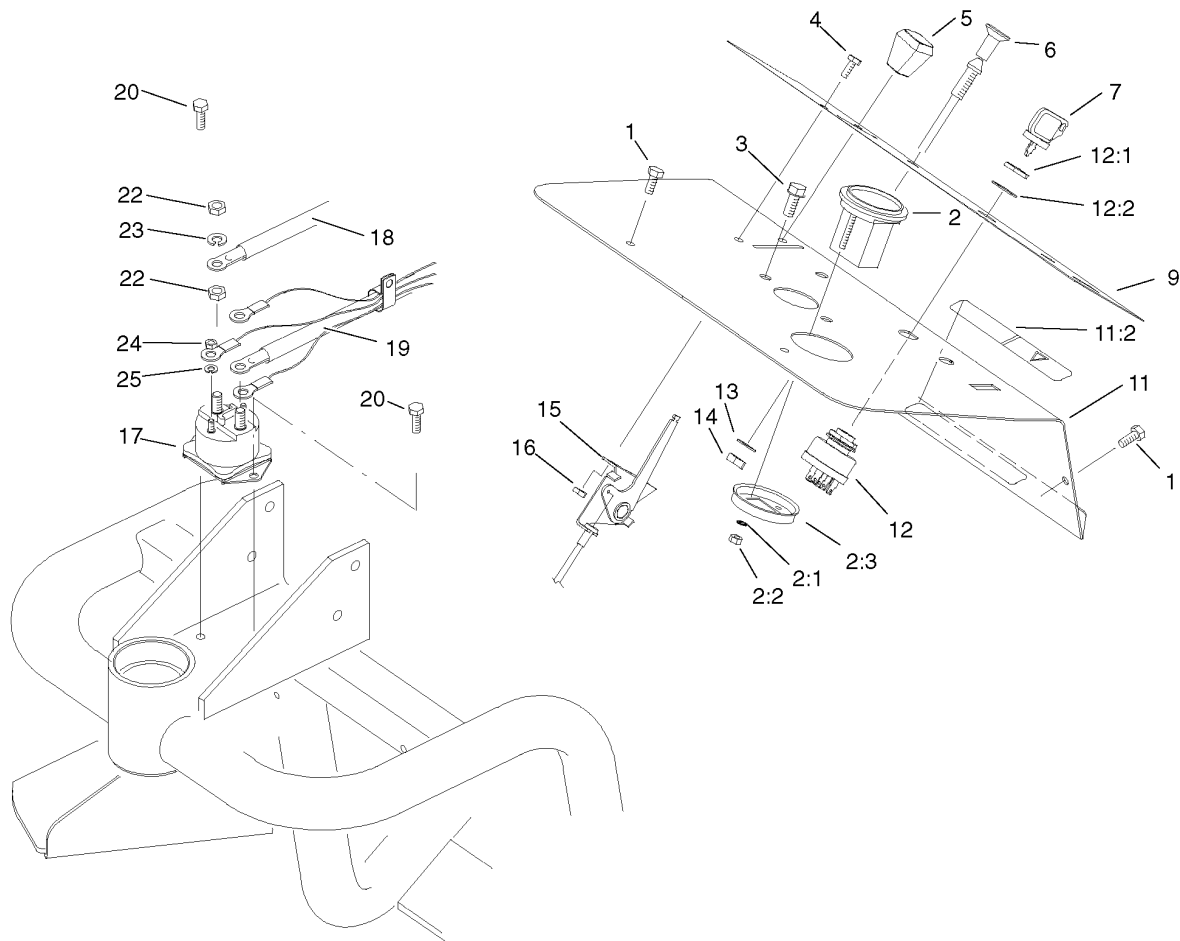
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	93-7170	1	Cap-Fuel	26	86-7640-01	1	Box-Litter
2	92-7186	1	Tank-Fuel	27	86-7450	1	Cable-Ground
3	240-11	4	Grommet-Mount, Tank	28	63-8410	4	Washer
4	95-0576-03	1	Base-Tank, Fuel	29	93-6668	1	Decal-Battery
5	3296-39	3	Nut-Lock, NI	31	94-2690	1	Filter-Fuel
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				



Engine Installation Assembly

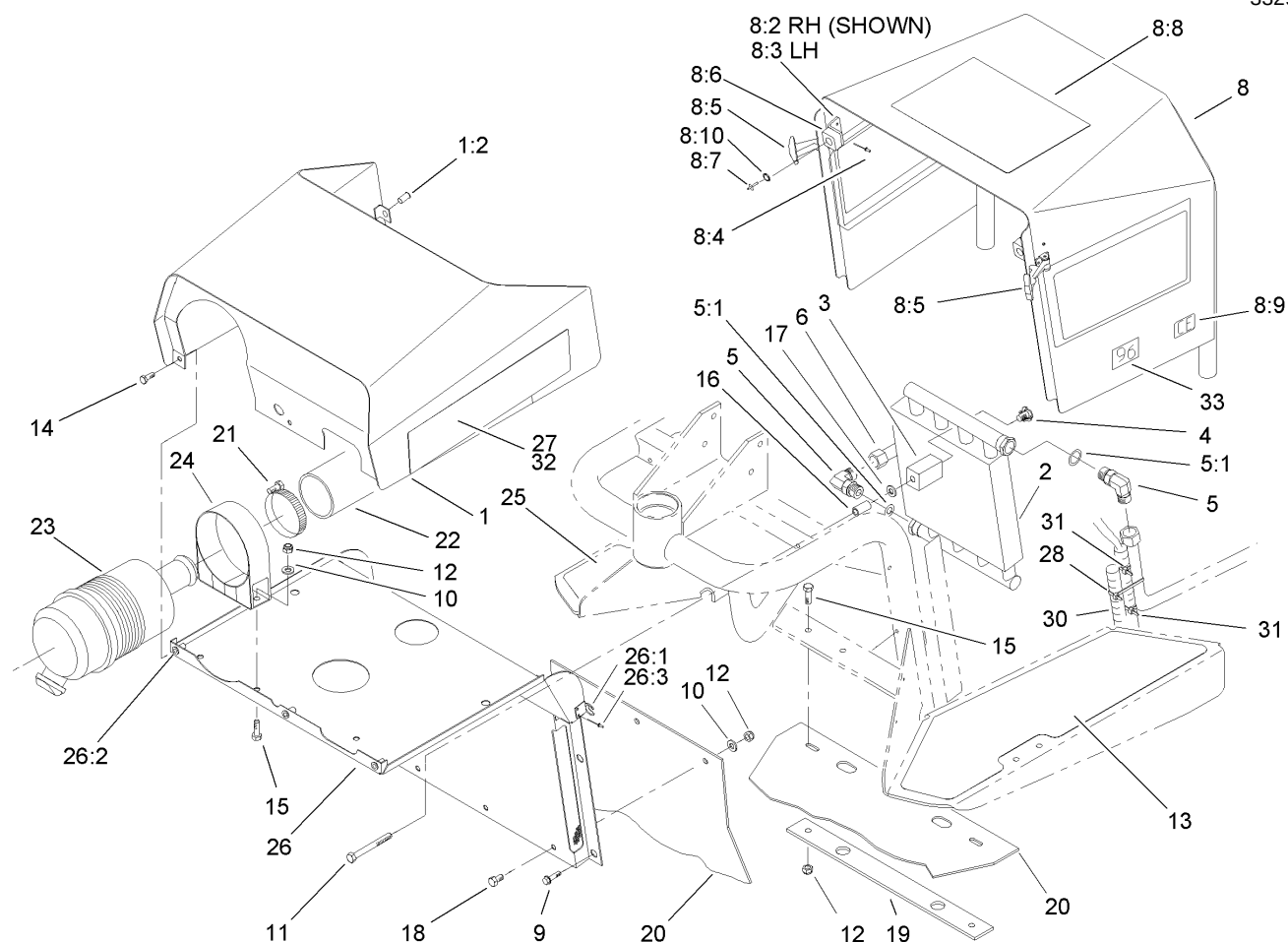
Ref	Part No.	Qty.	Description
1	95-0552	1	Muffler
2	322-5	3	Screw-HH
3	3256-23	6	Washer-Flat
4	95-0586	2	Clamp ASM
5	3296-29	7	Nut-Lock, NI
6	92-8996-03	1	Screen
7	95-0557	1	Bracket-Muffler
8	75-4705	1	Hose-Fuel
10	3256-1	4	Washer-Flat
11	3255-8	1	Washer-Lock
12	94-4522	1	Hose-Fuel
13	322-10	4	Screw-HH
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



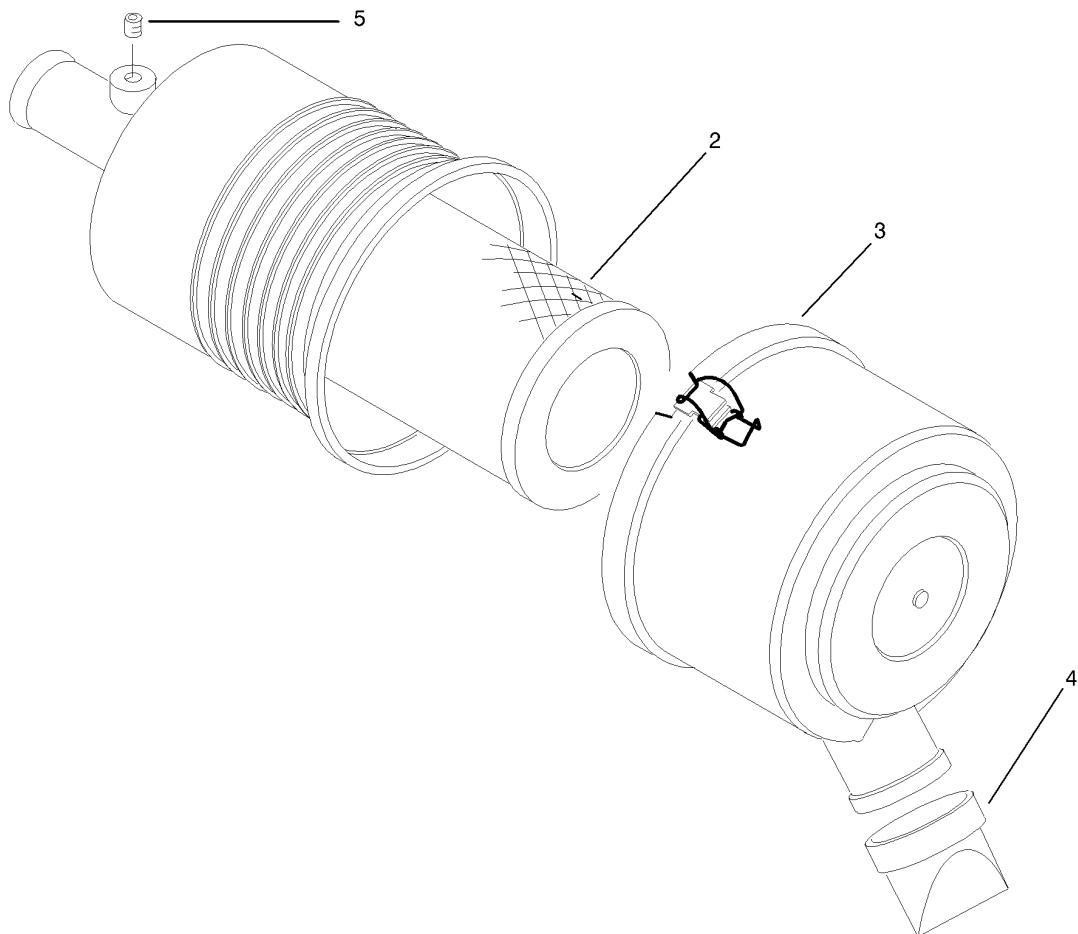
Dash Panel Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	3234-33	4	Screw-HHF	20	32104-95	2	Screw-HWH
2	66-2950	1	Gauge-Hourmeter	22	3218-13	2	Nut-Jam
2:1	3255-20	2	Washer-Lock	23	3253-4	2	Washer-Lock
2:2	3217-25	2	Nut-Hex	24	3219-14	2	Nut-Hex
2:3		1	Clamp-Gauge	25	3253-17	2	Washer-Lock/sp
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				
18:1	83-2430	1	Boot-Terminal				
19	95-0599	1	Wire ASM				
19:1	28-8080	1	Boot-Terminal				



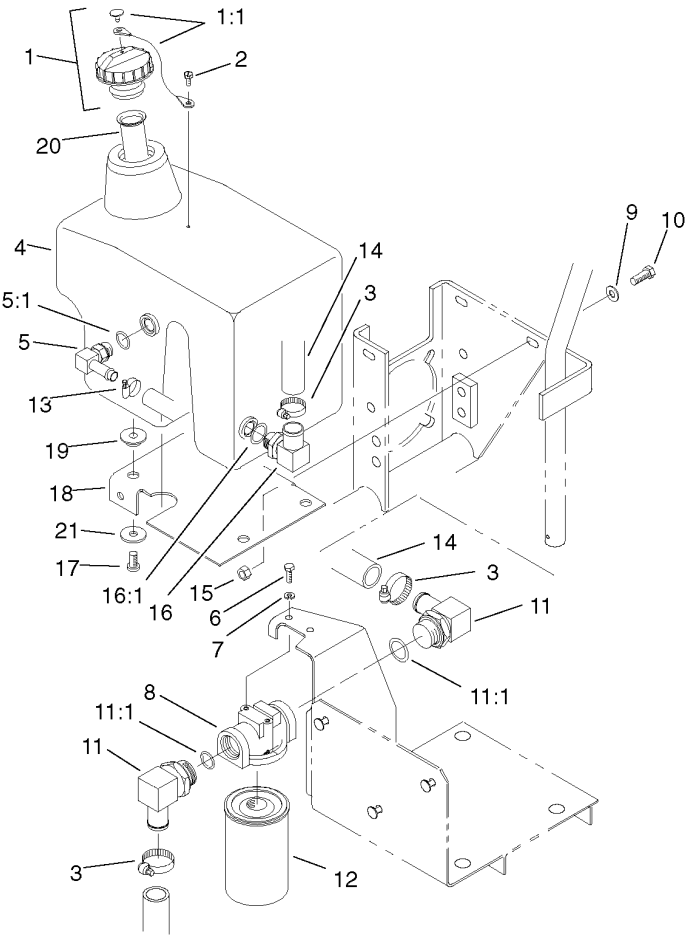
Shroud, Air Cleaner and Oil Cooler Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	99-1644	1	Dash Shroud ASM	16	95-5807	2	Spacer
1:2	32148-6	4	Insert-Nut	17	3256-82	2	Washer-Flat
2	92-8997	1	Cooler-Oil	18	322-2	2	Screw-HH
3	85-9550	2	Clamp-Rubber	19	95-0620-01	1	Strip-Retainer
4	85-9670	2	Nut	20	95-5826	1	Shield-Rubber
5	353-371	2	Elbow-90 DEG	21	2412-92	2	Clamp-Hose
5:1	237-79	1	O-Ring	22	95-0582	1	Hose-Intake, Air
6	95-0643	1	Tube-Valve To Cooler	23	95-5805	1	Air Cleaner ASM
8	95-0610	1	Engine Cover ASM	24	95-5806	1	Bracket-Mounting
8:2	95-0611	1	Bracket-RH	25	92-7158	1	Tread-Floor, RH
8:3	95-0612	1	Bracket-LH	26	95-5817	1	Front Shield ASM
8:4	3269-8	6	Rivet	26:1	249-40	2	Keeper
8:5	117344	2	Handle ASM	26:2	32148-6	3	Insert-Nut
8:6	94-1392	2	Pad-Rubber	26:3	3269-8	4	Rivet
8:7	3269-28	2	Rivet-Pop	27	106-8101	2	Decal
8:8	92-8985	1	Decal-Operating	28	3290-379	2	Tie-Cable
8:9	93-7252	1	Decal	30	94-4519	1	Tube-Convolute
8:10	3256-14	2	Washer-Flat	31	3290-378	2	Tie-Cable
9	46-8560	6	Screw-Hhftf	32	106-8102	2	Decal
10	3256-23	4	Washer-Flat	33	105-7872	1	Decal
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				



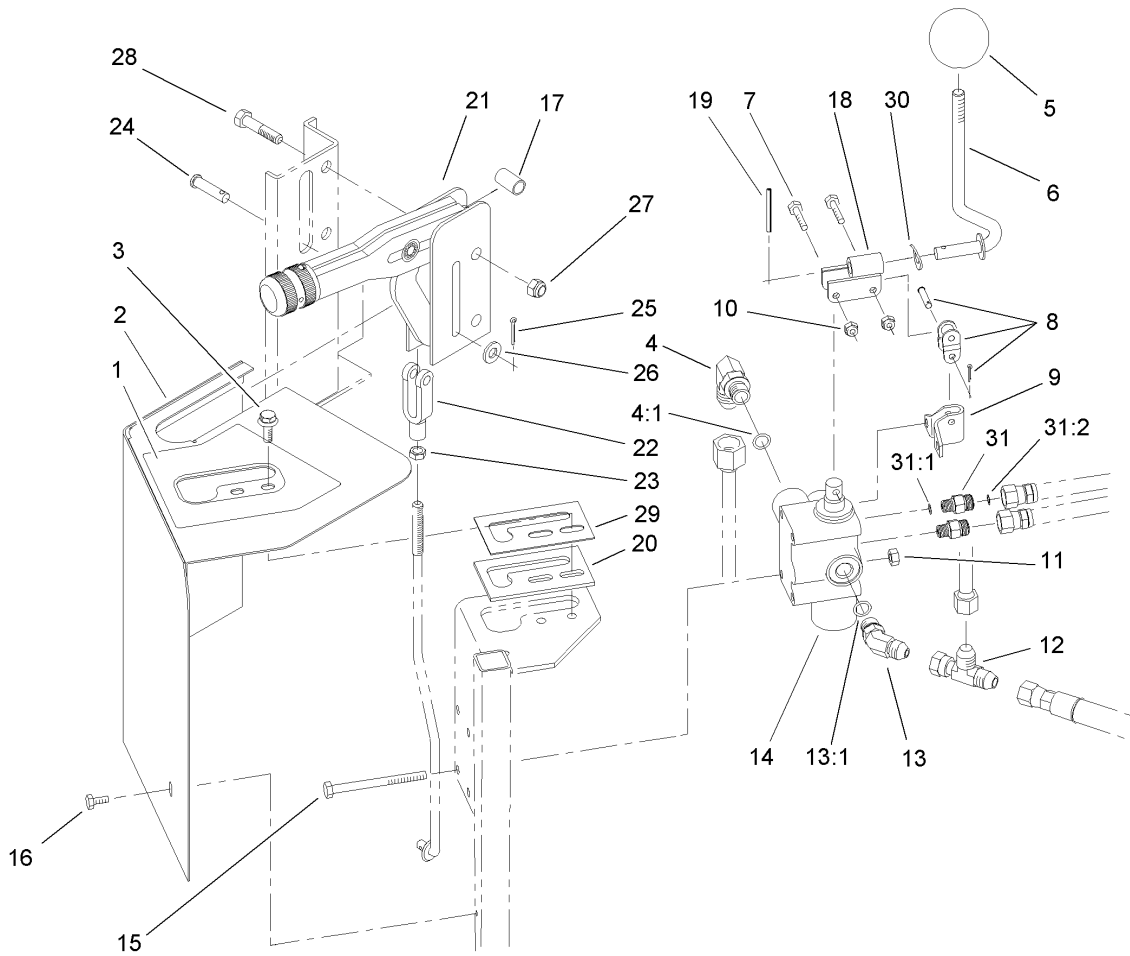
Air Cleaner Assembly No. 95-5805

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

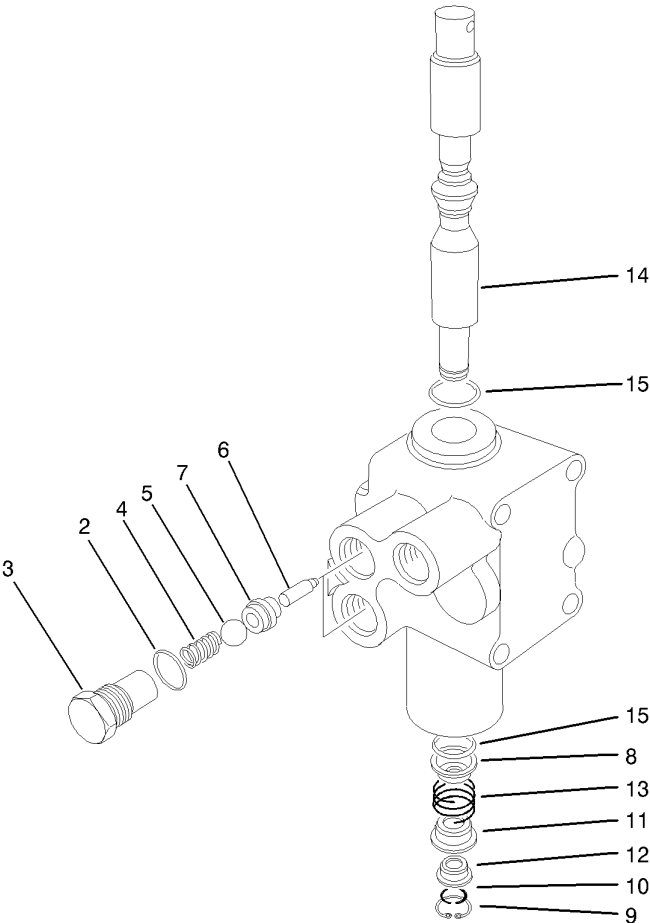
Ref	Part No.	Qty.	Description				
1	93-4365	1	Cap-Oil				
1:1	75-0540	1	Tether And Button Kit				
2	57-5420	1	Screw-Shoulder				
3	2412-129	4	Clamp-Hose				
4	98-0968	1	Tank-HYD				
5	354-120	1	Fitting-Hyd, 90 DEG				
5:1	237-79	1	O-Ring				
6	321-3	2	Screw-HH				
7	3253-3	2	Washer-Lock				
8	68-8990	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

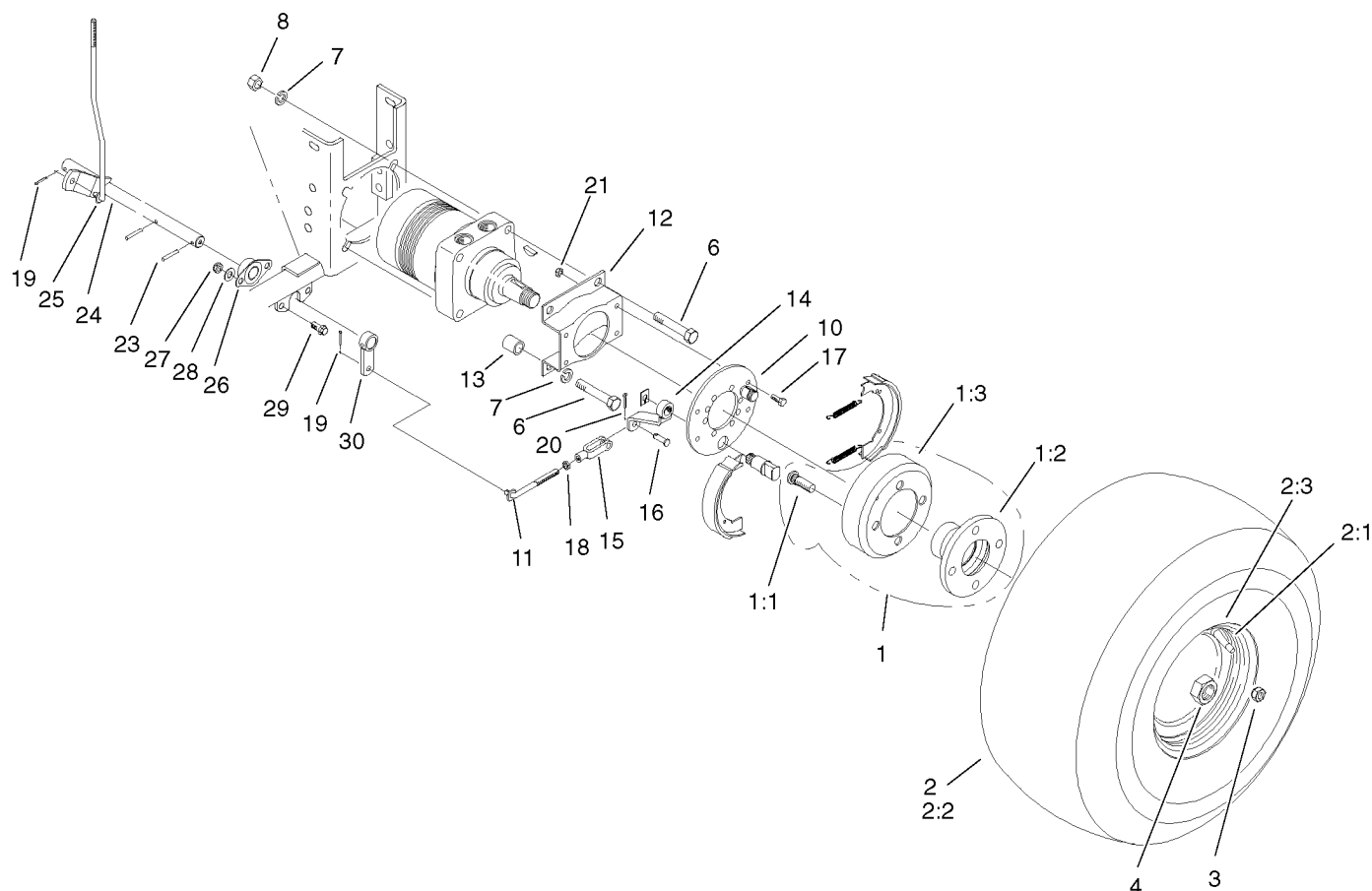
Ref	Part No.	Qty.	Description
1	95-0647	1	Decal-Controls
2	95-0601-01	1	Vavle Shroud ASM
3	3234-33	2	Screw-HHF
4	353-511	1	Elbow-90 DEG
4:1	237-42	1	O-Ring
5	233-21	1	Knob
6	92-8981	1	Lift Lever ASM
7	3290-360	2	Screw-HH
8	2710-20	1	Link-Offset
9	88-8480	1	Bracket-Pivot
10	3296-2	2	Nut-Lock
11	3296-42	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



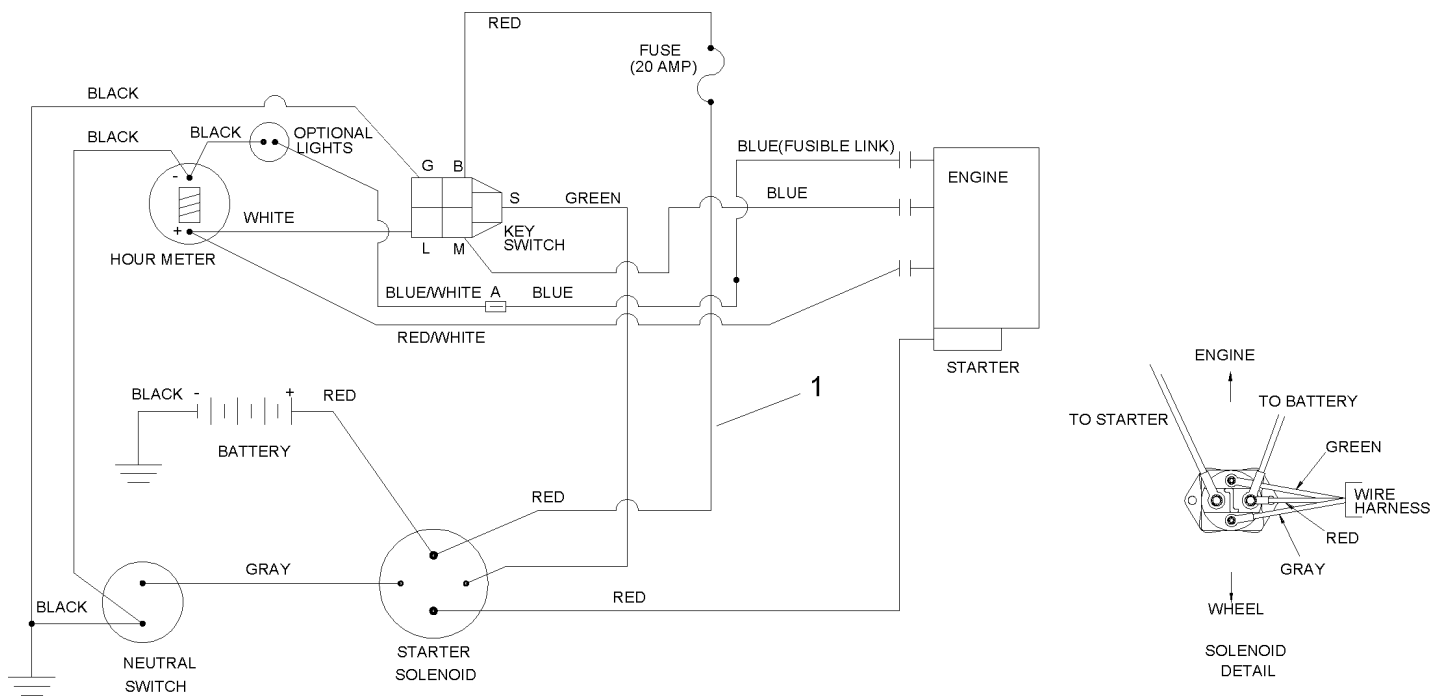
Valve Assembly No. 43-1710-01

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

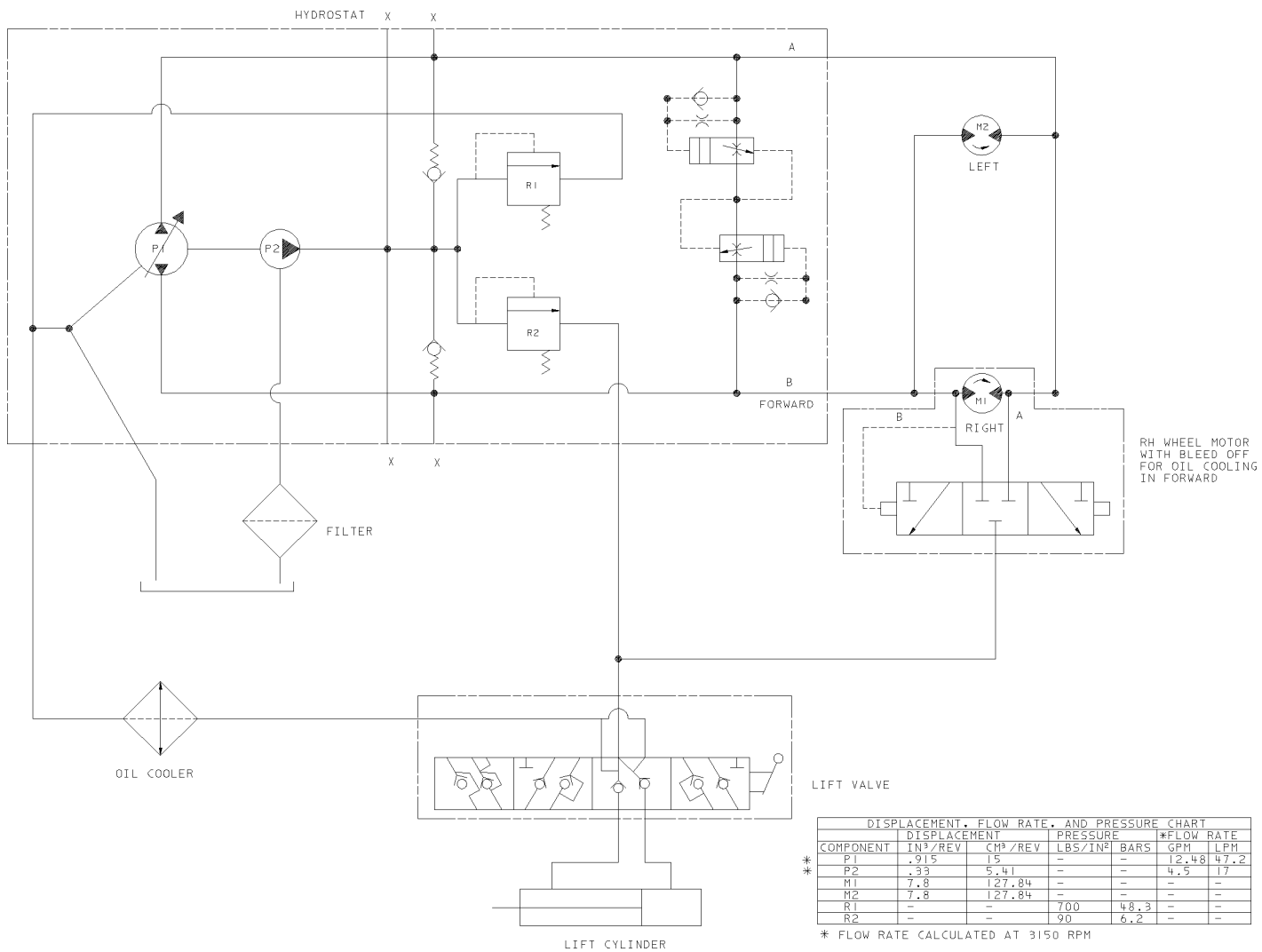
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	17-8149	2	Wheel Hub ASM	23	32121-6	3	Pin-Roll
1:1	85-6540	4	Stud-Drive	24	95-0625	1	Rod-Traverse
1:2	93-6838-03	1	Hub-Wheel	25	95-0628	1	Rod-Brake
1:3	10-6850	1	Drum-Brake	26	27-2320	2	Bearing
2		2	Wheel And Tire ASM	27	3296-59	4	Nut-Lock, NI
2:1	232-35	1	Valve Stem And Cap ASM	28	3256-24	4	Washer-Flat
2:2	85-8290	1	Tire	29	3234-1	4	Screw-HHF
2:3	94-6116	1	Wheel-Rear	30	83-9310	2	RH Brake Lever ASM
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				

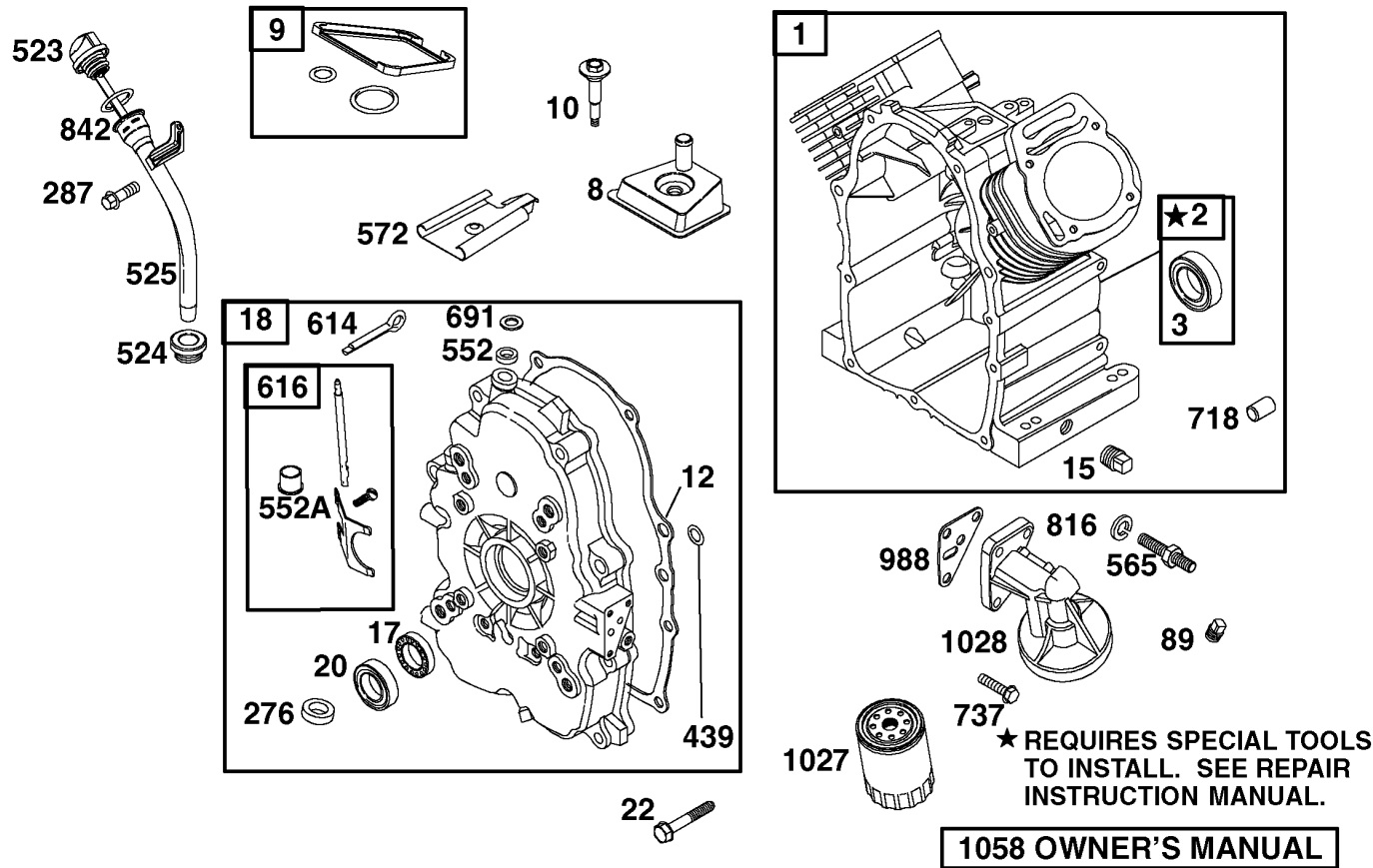


Wire Harness Schematic

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

Hydraulic Schematic



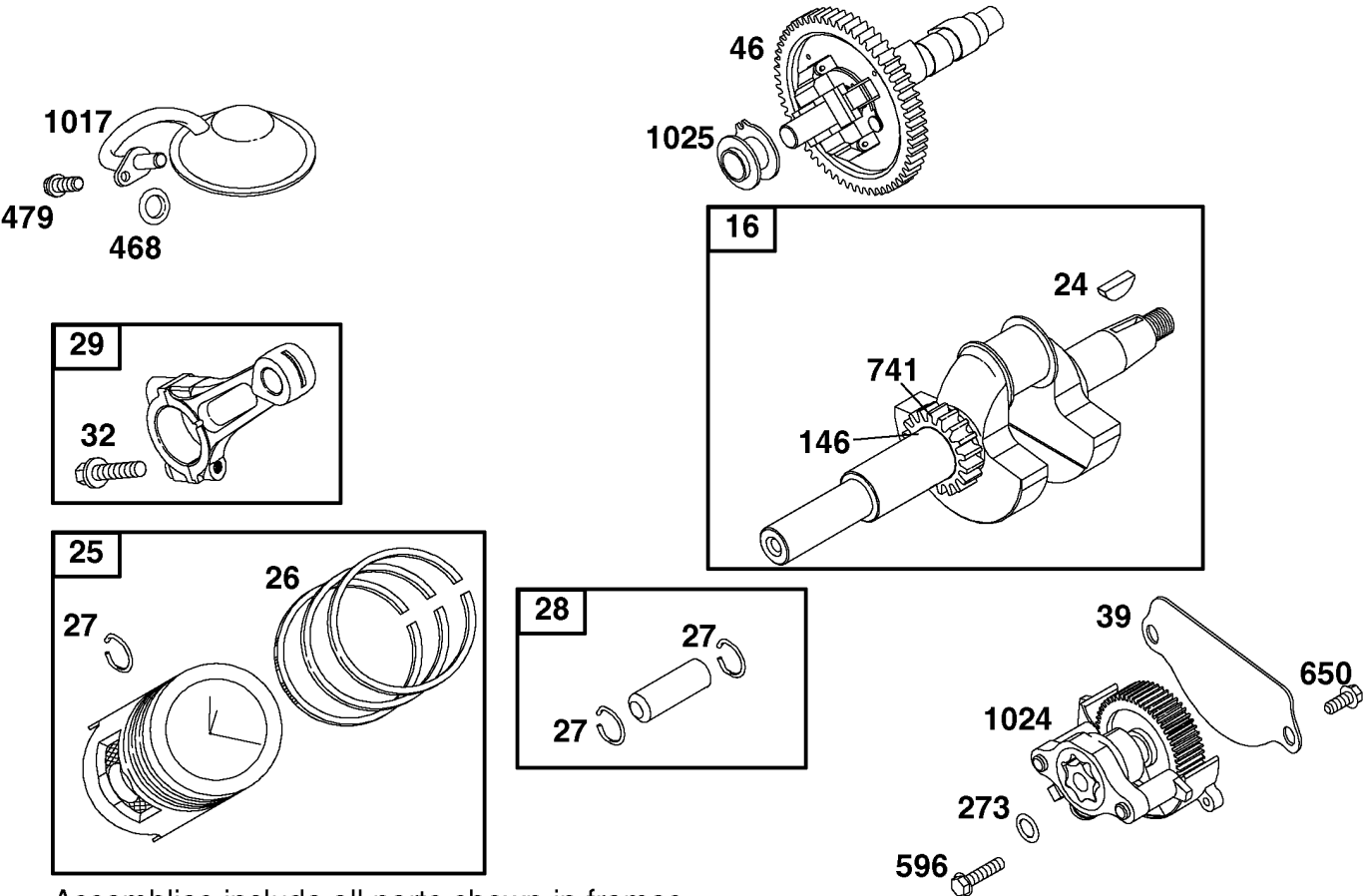


Assemblies include all parts shown in frames.

Cylinder Assembly

Briggs and Stratton 303447-1180-E1

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	692178	1	Cylinder Assembly	691	690680	1	Seal-Governor Shaft
2	808534	1	Bushing	718	690684	1	Pin-Locating
3	805101	1	Seal-Oil	737	690679	1	Bolt (oil Pump)
8	807795	1	Breather Assembly	816	690706	1	Washer
9	807688	1	Gasket-Breather	842	805386	1	O-Ring
10	805751	1	Screw	988	805250	1	Gasket-Adapter
12	806190	1	Gasket-Crankcase	1027	492932	1	Filter-Oil
15	805048	1	Plug-Oil Drain	1028	808325	1	Adapter-Oil Filter
17	690752	1	Bearing-Ball	1058	274272	1	Manual-Owner's
18	808847	1	Cover-Crankcase				
20	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				
524	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				

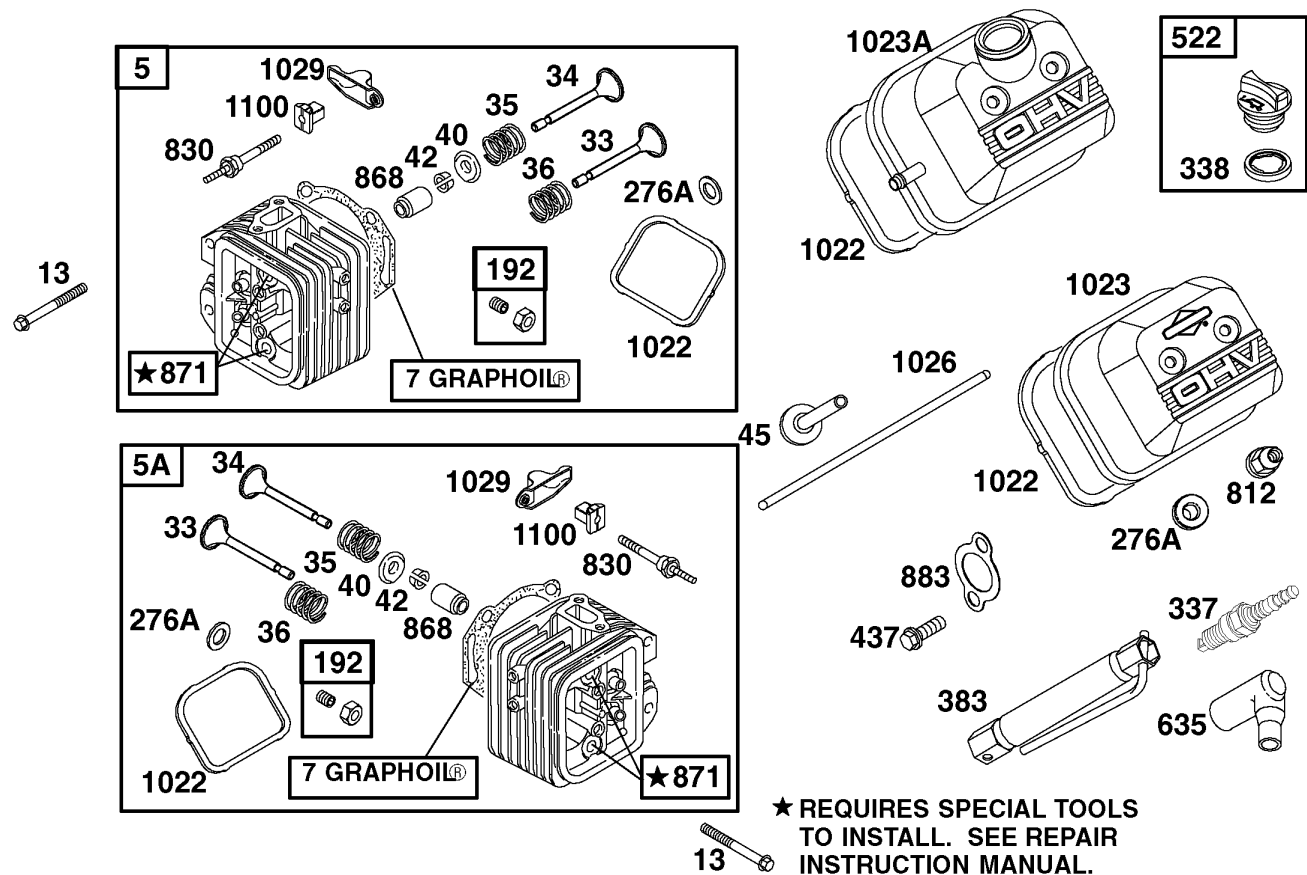


Assemblies include all parts shown in frames.

Crankshaft Assembly

Briggs and Stratton 303447-1180-E1

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
16	692168	1	Crankshaft	1024	693185	1	Pump-Oil
24	806066	1	Key-Flywheel	1025	690689	1	Spool-Governor
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				
273	690681	1	Seal-O Ring (oil Pump)				
468	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				

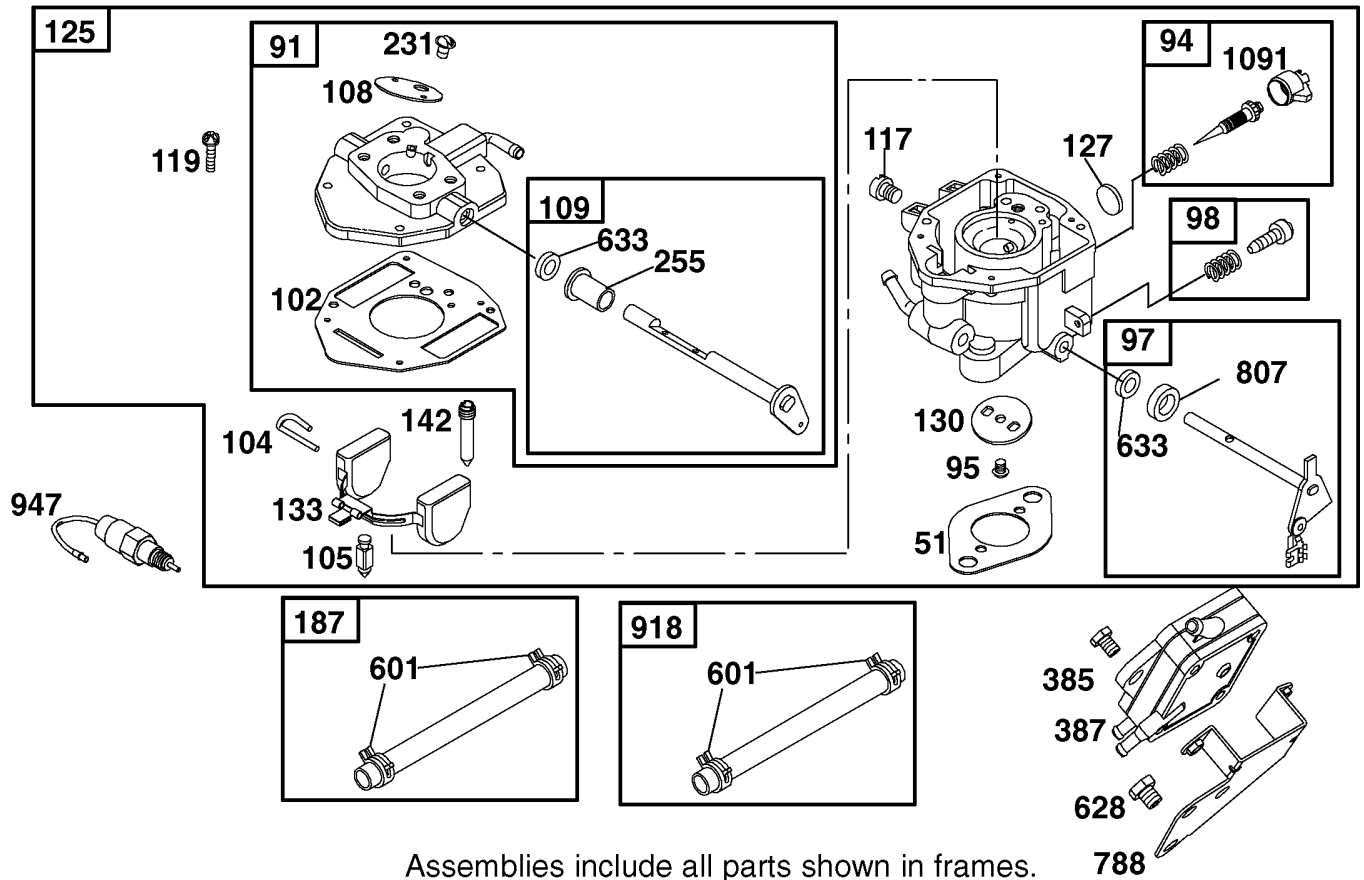


Assemblies include all parts shown in frames.

Crankcase Assembly

Briggs and Stratton 303447-1180-E1

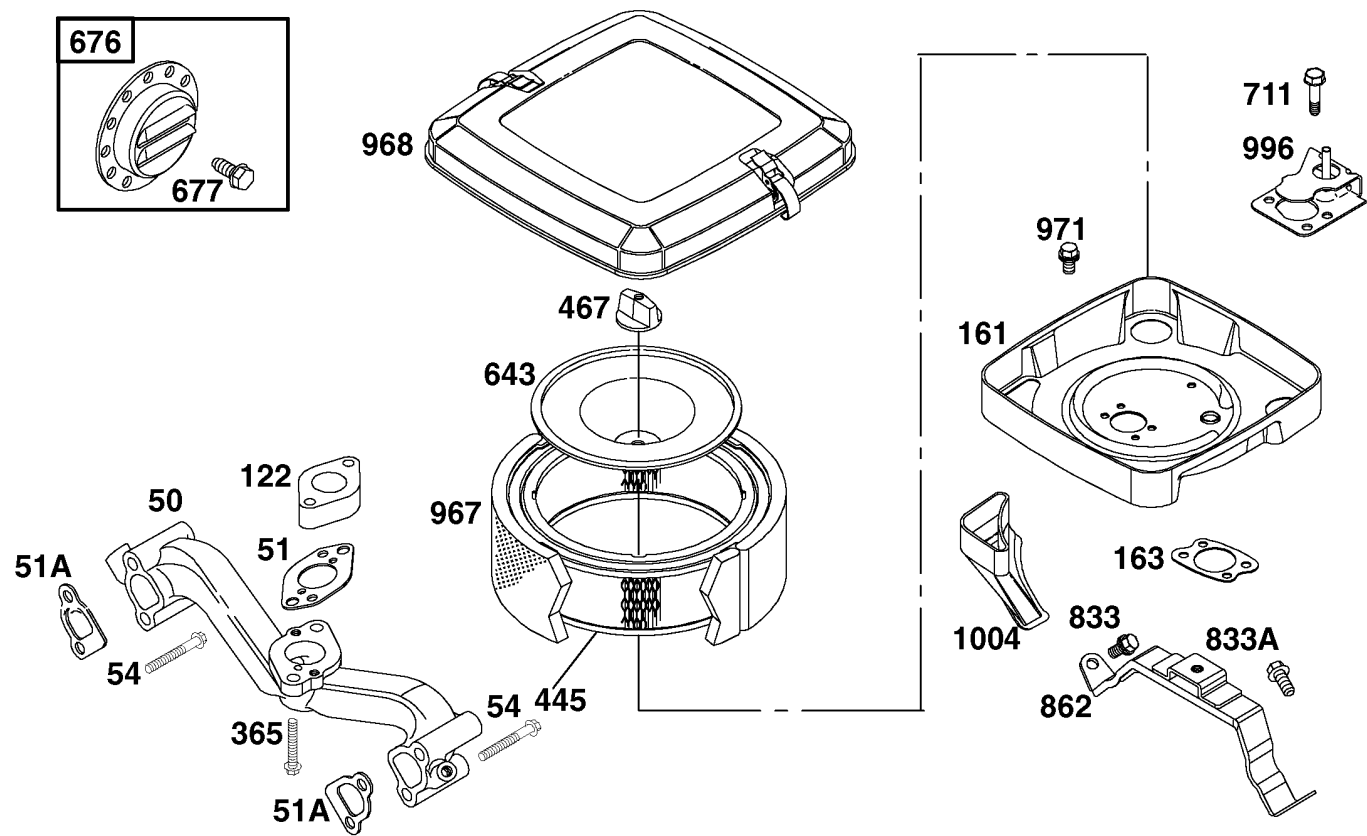
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
5	808381	1	Head-Cylinder (cylinder No. 1)	1023	691494	1	Cover-Valve
5A	808382	1	Head-Cylinder (cylinder No. 2)	1023A	690910	1	Cover-Valve
⑤ ④ 7	806085	1	Gasket-Cylinder Head	1026	805352	1	Rod-Push
13	805097	1	Screw-HH		805617	1	Rod-Push (aluminum-Exhaust)
33	807681	1	Valve-Exhaust	1029	691543	1	Arm-Rocker
34	807680	1	Valve-Intake	1100	690973	1	Pivot-Rocker Arm
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				
⑤ ④ 276A	805420	1	Washer				
337	496018	1	Sparkplug				
⑤ ④ 338	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				
⑤ ④ 883	805024	1	Gasket-Exhaust				
⑤ ④ 1022	806039	1	Gasket-Valve Cover				



Carburetor Assembly Briggs and Stratton 303447-1180-E1

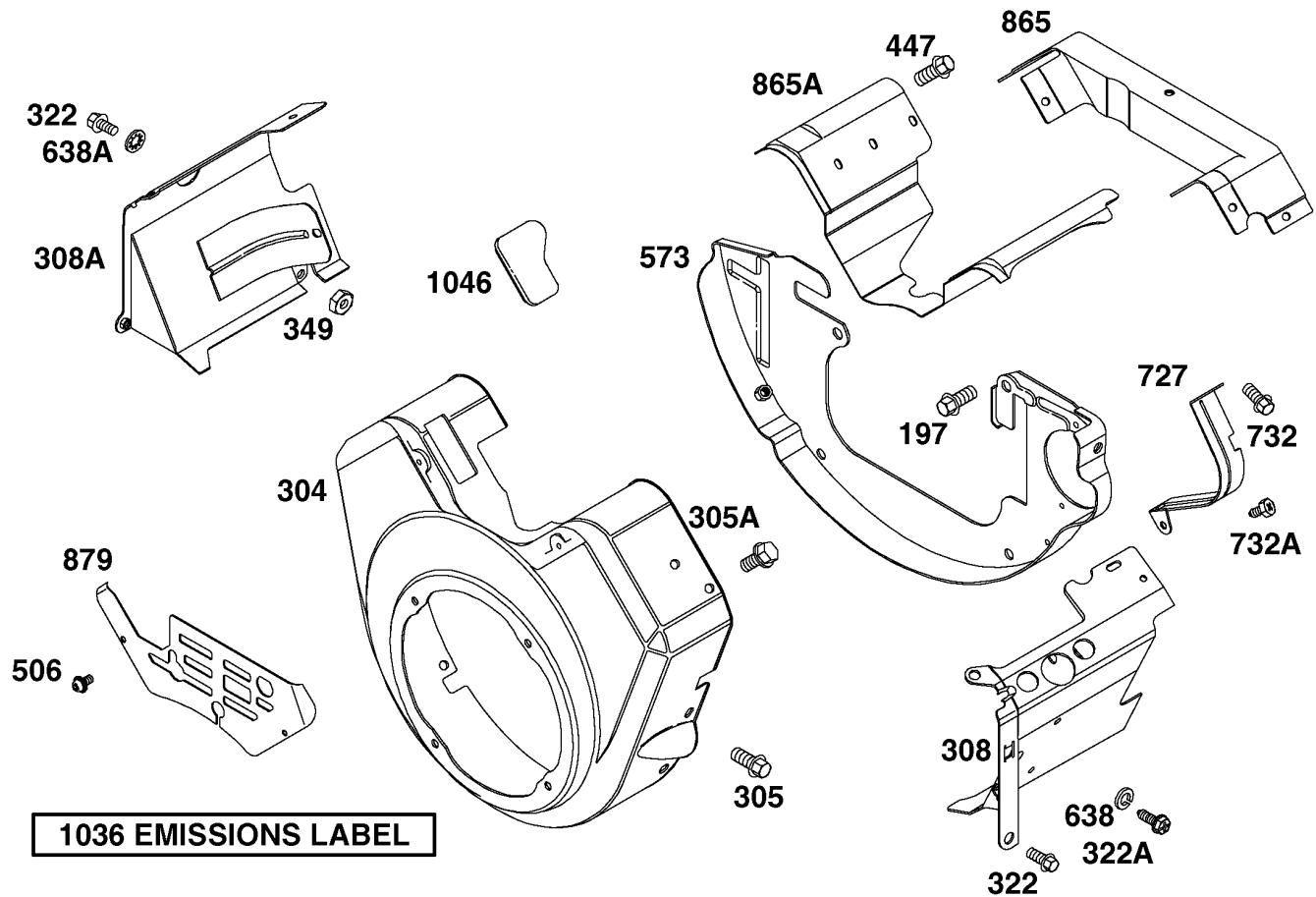
Ref	Part No.	Qty.	Description
51	805700	1	Gasket-Intake
91	807919	1	Body-Upper Carburetor
94	808257	1	Idle Mixture Kit
95	690718	1	Screw
97	807720	1	Shaft-Throttle
98	808177	1	Screw
102	805541	1	Gasket-Intake Elbow
104	690723	1	Pin-Float Hinge
105	805547	1	Valve-Needle
108	690719	1	Valve-Choke
109	807722	1	Shaft-Choke
117	690861	1	Jet-Main
	805537	1	Jet-Main (high Altitude)
119	690720	1	Screw
125	808251	1	Carburetor Assembly
127	690727	1	Plug-Welch
130	690726	1	Valve-Throttle
133	691510	1	Float-Carburetor
142	690725	1	Nozzle-Carburetor
187	296004	1	Fuel-Hose
231	690718	1	Screw
255	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
633	690722	1	Seal-Choke Shaft
788	691559	1	Bracket-Pump
807	805557	1	Collar-Throttle
918	393815	1	Hose-Fuel
947	807664	1	Solenoid
1091	691516	1	Cap-Limiter



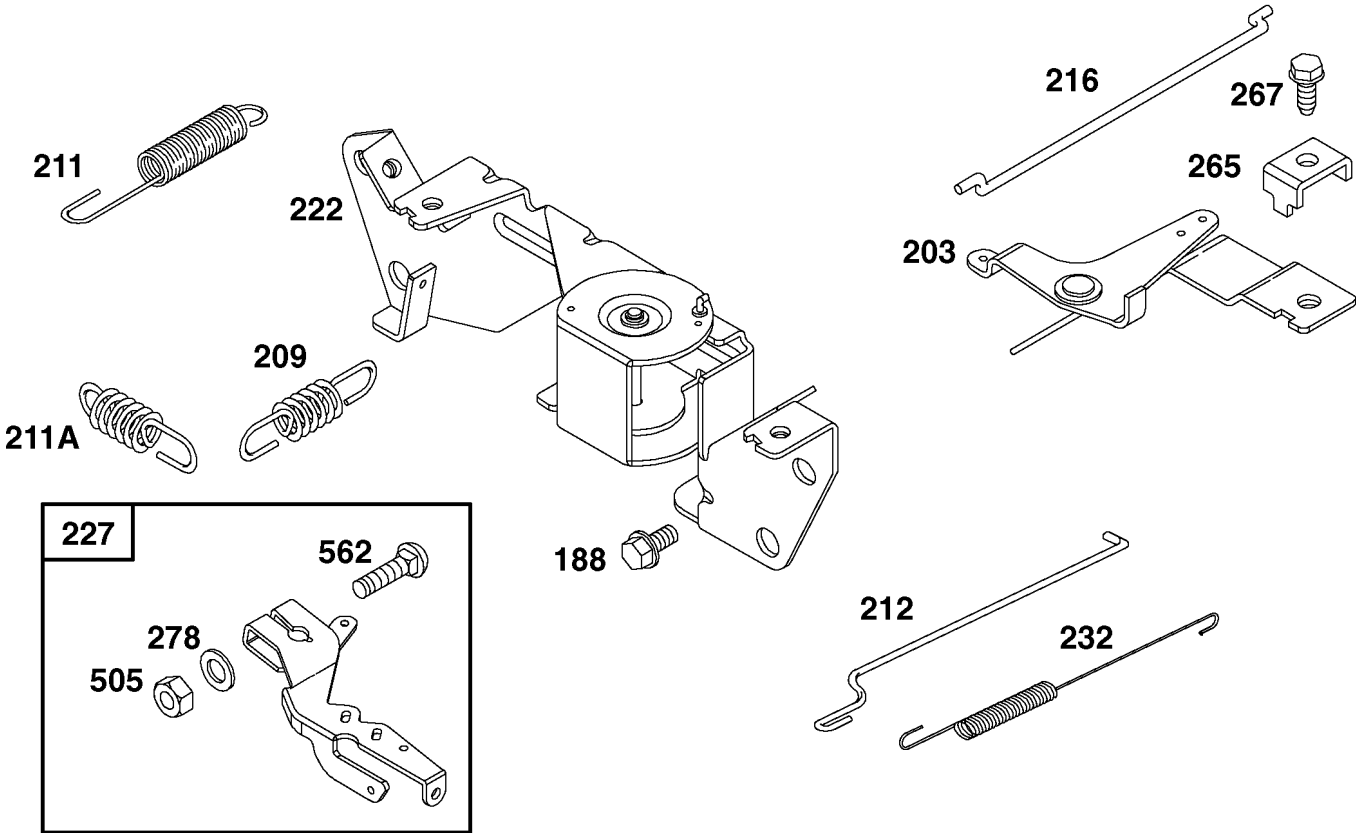
Air Cleaner Assembly
Briggs and Stratton 303447-1180-E1

Ref	Part No.	Qty.	Description				
50	690754	1	Manifold-Intake				
51	805700	1	Gasket-Intake				
51A	805023	1	Gasket-Intake				
54	690676	1	Screw				
122	690691	1	Spacer-Carburetor				
161	691561	1	Base-Air Cleaner				
163	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				

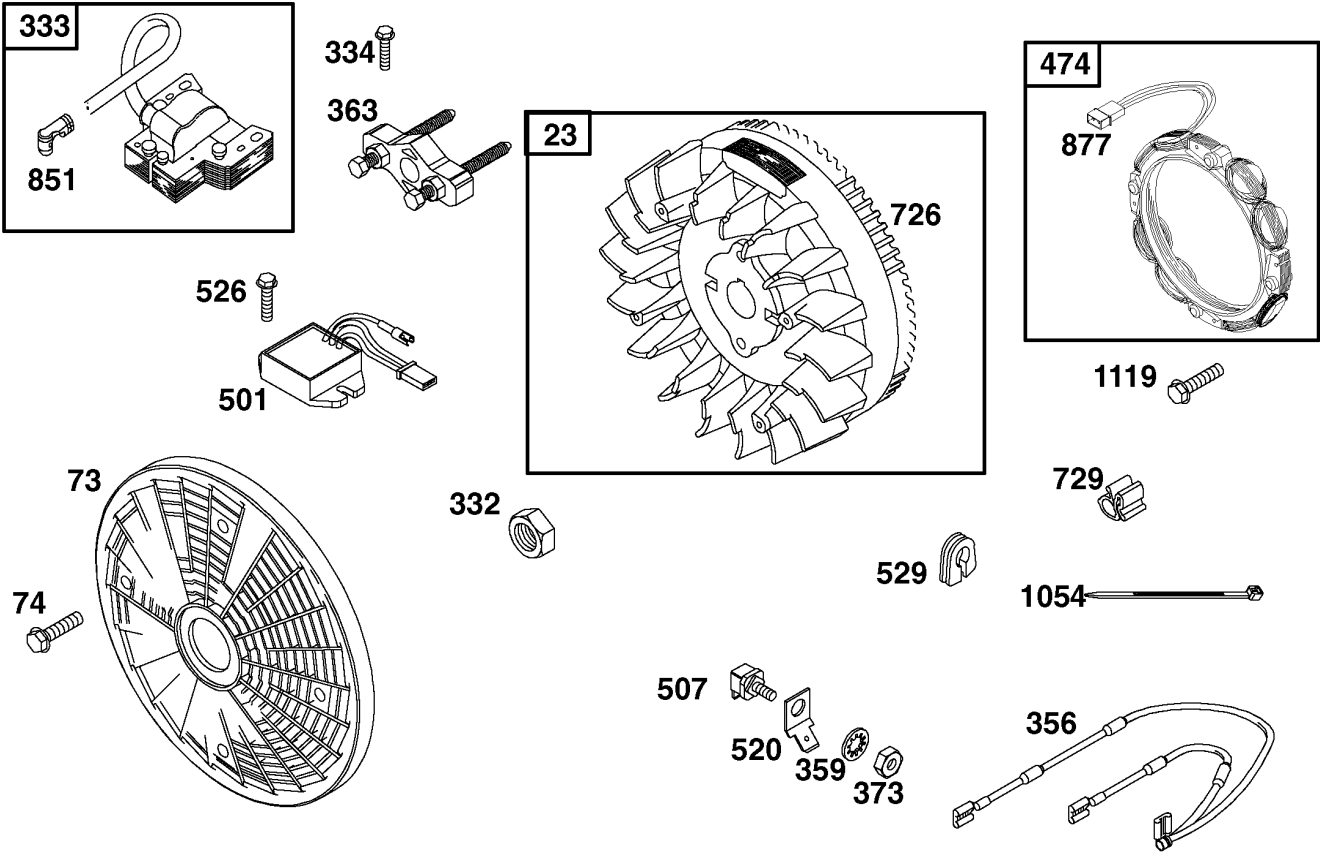


Assemblies include all parts shown in frames.

Governor Assembly

Briggs and Stratton 303447-1180-E1

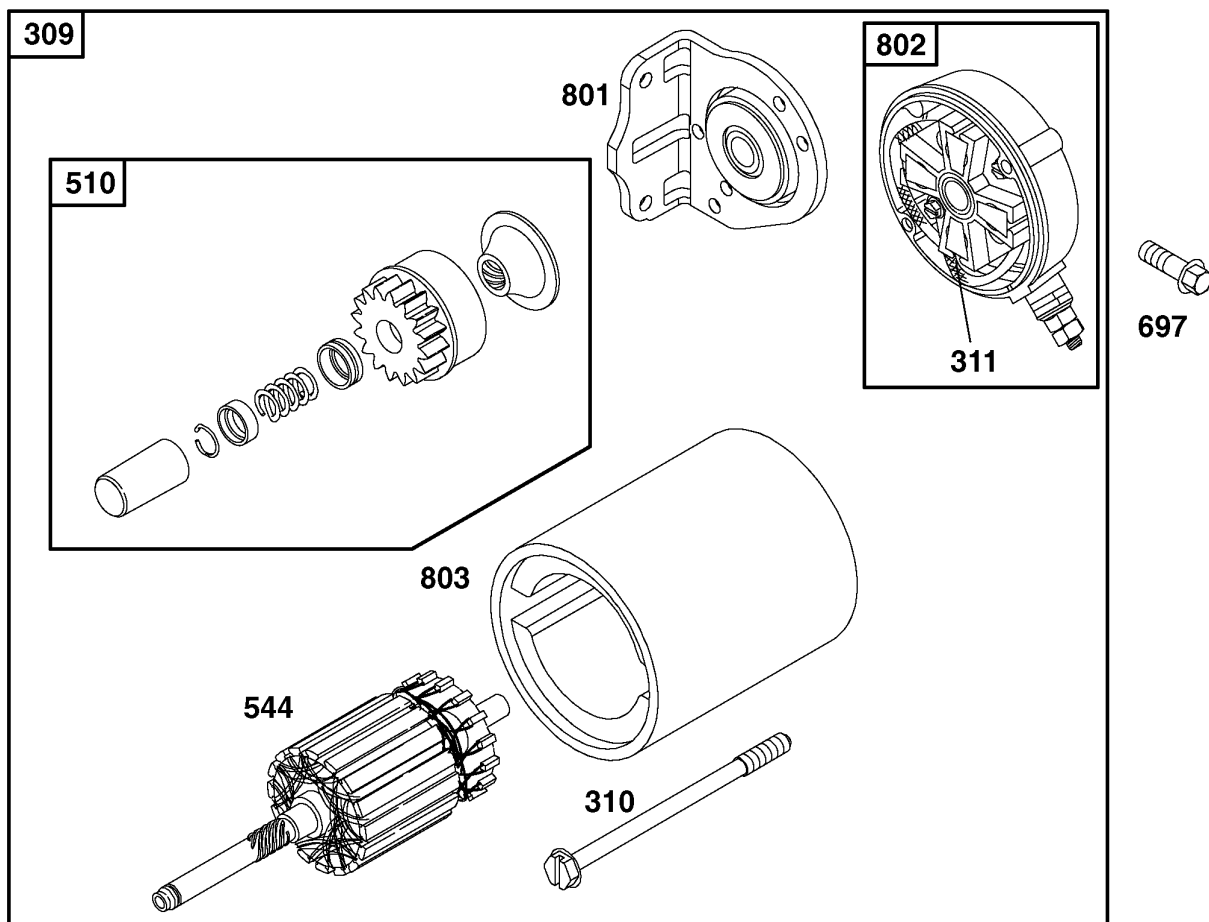
Ref	Part No.	Qty.	Description				
188	805025	1	Screw				
203	690923	1	Crank-Bell				
209	691508	1	Spring-Governor				
211	805450	1	Spring-Governor				
211A	805453	1	Spring-Governor				
212	690712	1	Link-Governor				
216	690705	1	Link-Choke				
222	808454	1	Bracket-Control				
227	690236	1	Lever-Governor 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.

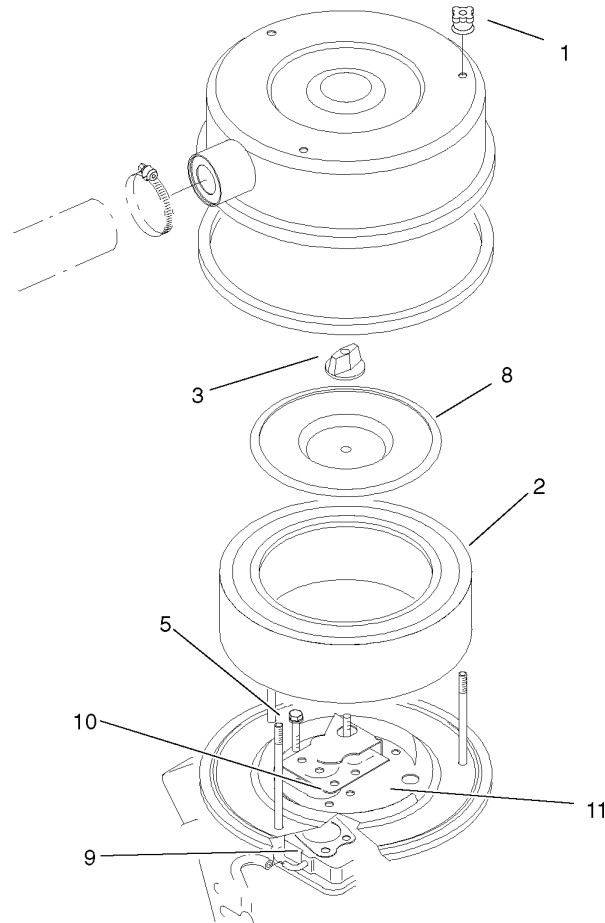
Flywheel Assembly
Briggs and Stratton 303447-1180-E1

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

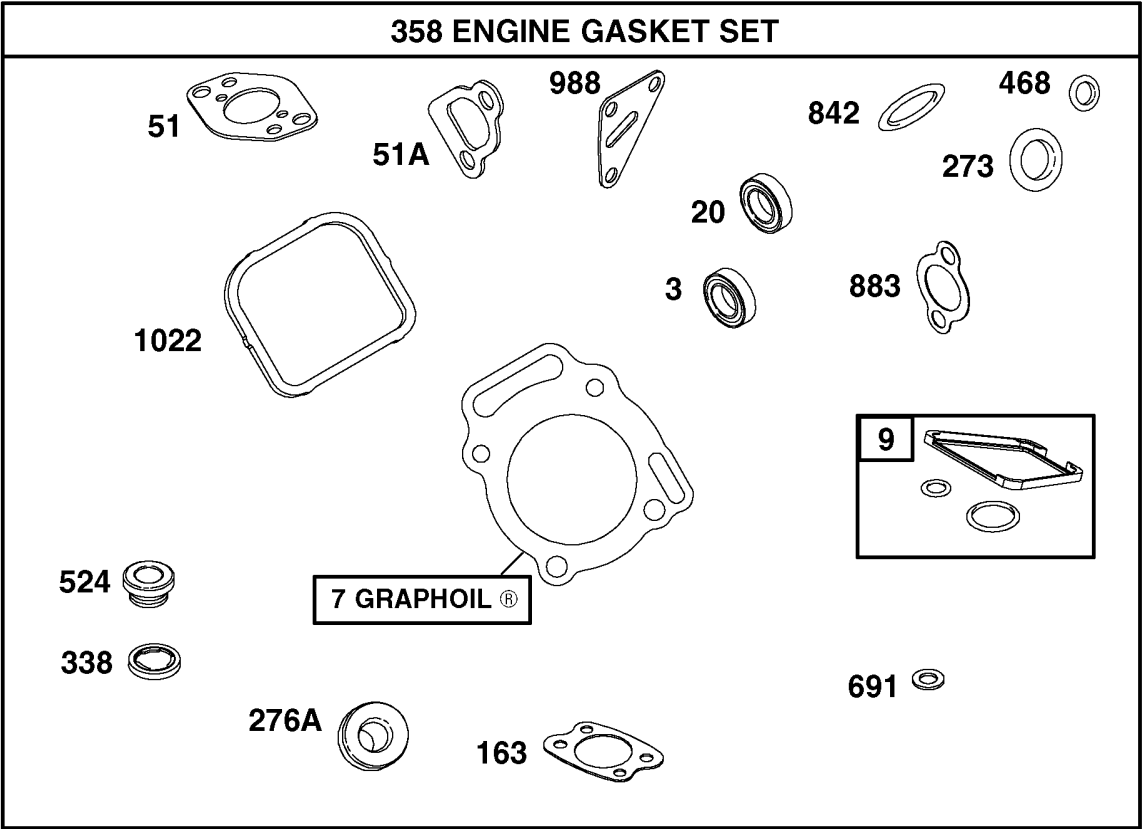
Ref	Part No.	Qty.	Description				
309	691564	1	Motor-Starter				
310	496880	1	Bolt-Thru				
311	496887	1	Brush Set				
510	496881	1	Drive-Starter				
544	690855	1	Armature-Starter				
697	805247	1	Screw				
801	496814	1	Cap-Drive				
802	496813	1	Bolt				
803	690854	1	Housing-Starter				



Engine Parts Kit

Briggs and Stratton 303447-1180-E1

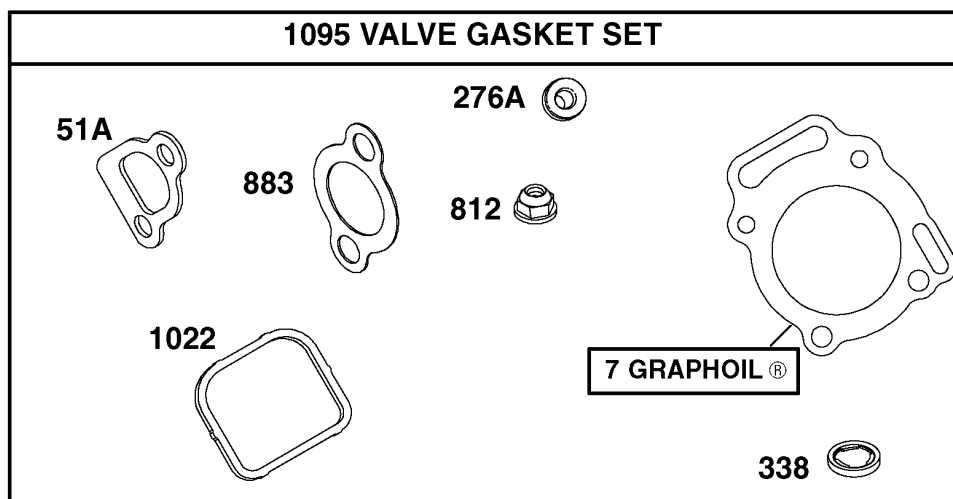
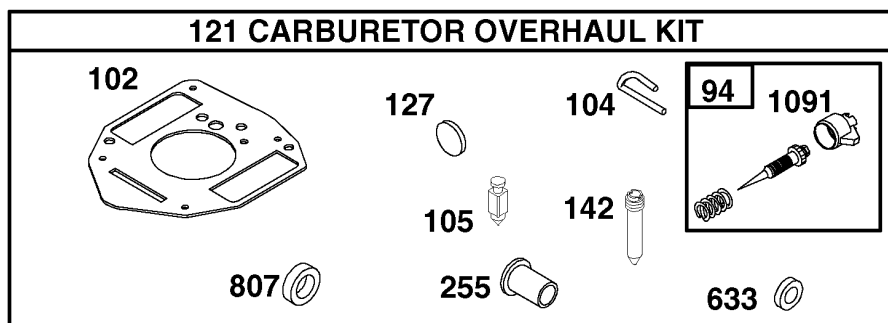
Ref	Part No.	Qty.	Description				
1	281051	3	Nut				
2	394018	1	Filter-Air				
3	491875	1	Knob				
5	805317	5	Screw-Hfh				
8	805631	1	Plate-Element				
9	805655	1	Gasket-Carburetor				
10	808311	1	Shield-Carburetor				
11	805783	1	Hose-Breather				



Assemblies include all parts shown in frames.

Gasket Kit
Briggs and Stratton 303447-1180-E1

Ref	Part No.	Qty.	Description				
3	805101	1	Seal-Oil				
3 7	806085	1	Gasket-Cylinder Head				
9	807688	1	Gasket-Breather				
20	805049	1	Seal-Oil				
51	805700	1	Gasket-Intake				
3 51A	805023	1	Gasket-Intake				
163	805655	1	Gasket-Carburetor				
273	690681	1	Seal-O Ring (oil Pump)				
3 276A	805420	1	Washer				
3 338	271983	1	Seal-Filler Plug				
358	808390	1	Gasket Set				
468	690690	1	Screw				
524	281370	1	Grommet				
691	690680	1	Seal-Governor Shaft				
842	805386	1	O-Ring				
3 883	805024	1	Gasket-Exhaust				
988	805250	1	Gasket-Adapter				
3 1022	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				
③ ④ 7	806085	1	Gasket-Cylinder Head				
③ ④ 51A	805023	1	Gasket-Intake				
⑥ 94	808257	1	Idle Mixture Kit				
⑥ 102	805541	1	Gasket-Intake Elbow				
⑥ 104	690723	1	Pin-Float Hinge				
⑥ 105	805547	1	Valve-Needle				
121	808273	1	Carburetor Kit				
⑥ 127	690727	1	Plug-Welch				
⑥ 142	690725	1	Nozzle-Carburetor				
⑥ 255	690721	1	Bushing-Choke Shaft				
③ ④ 276A	805420	1	Washer				
③ ④ 338	691312	1	Gasket-Dipstick				
⑥ 633	690744	1	Grommet				
⑥ 807	805557	1	Collar-Throttle				
⑥ 812	805019	1	Nut-Lock				
③ ④ 883	805024	1	Gasket-Exhaust				
③ ④ 1022	806039	1	Gasket-Valve Cover				
⑥ 1091	691516	1	Cap-Limiter				
1095	808392	1	Gasket Set-Valve				

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