Form Number 3352-254

Greensmaster® 3100
2 Wheel Drive

Model No. 04356 - 250000001 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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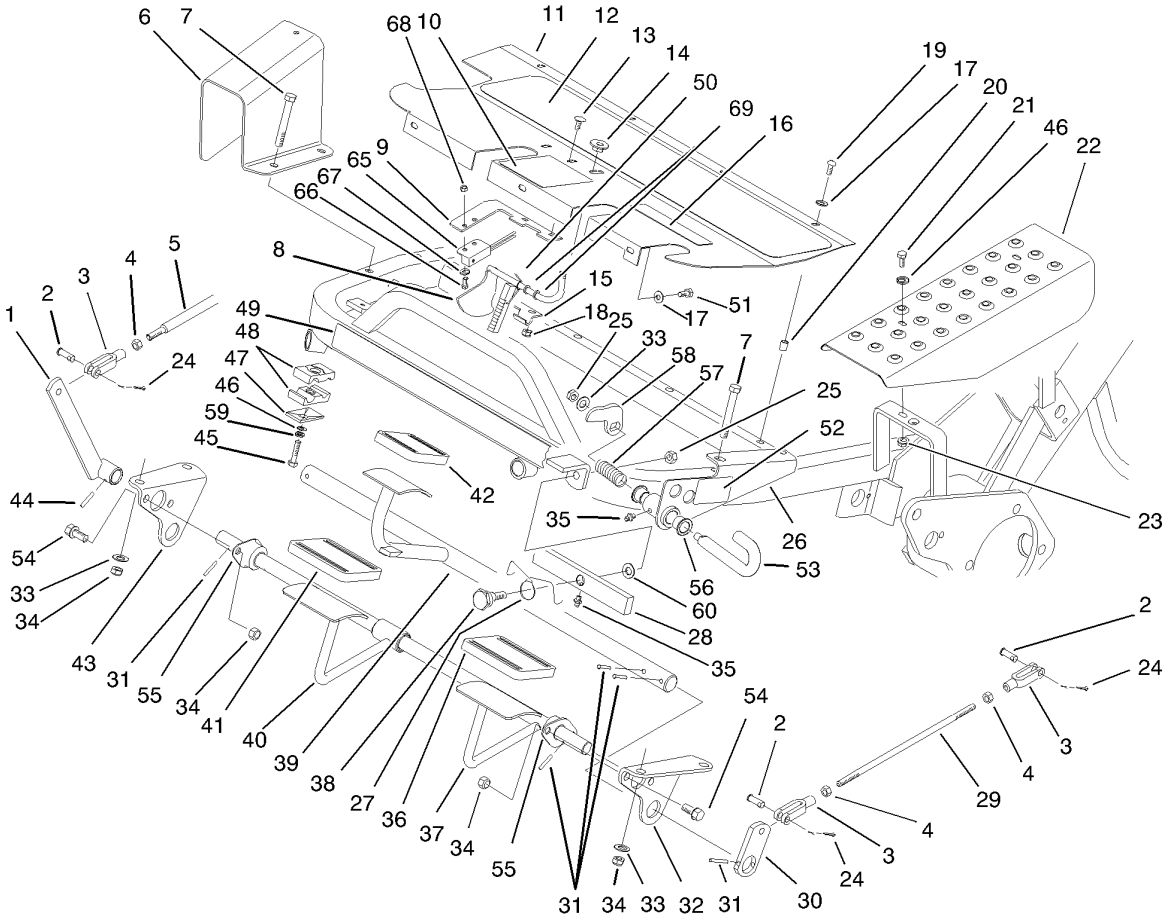
Part Description Abbreviations

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
WH. . . . . wing head

Footnotes

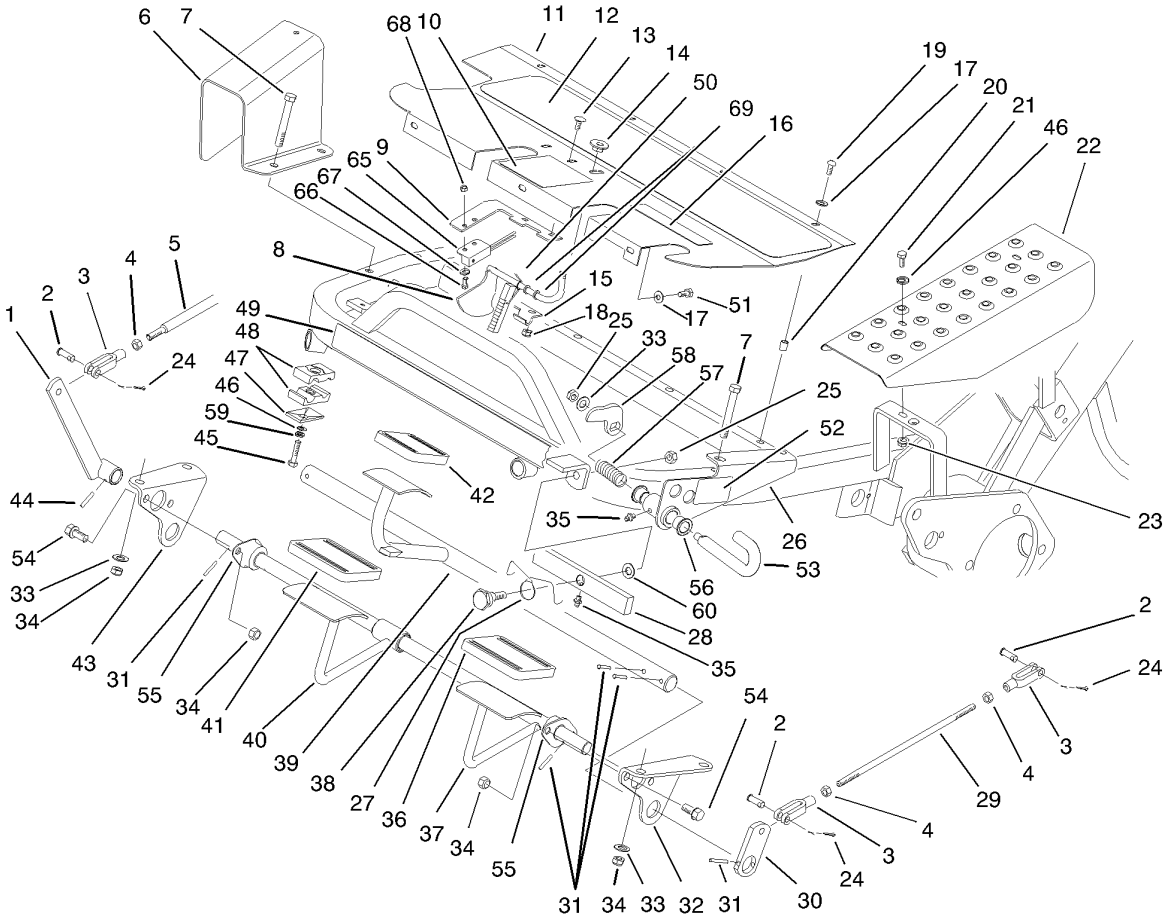
❶ Not illustrated
❷ Not serviced separately
❸ Included in Engine Gasket Set-Ref. 358.
❹ Included in Carburetor Overhaul Kit-Ref. 121.
❺ Included in Valve Overhaul Gasket Set-Ref. 1095.
❻ Obtain parts from your local Briggs & Stratton dealer



Control Pedal Assembly

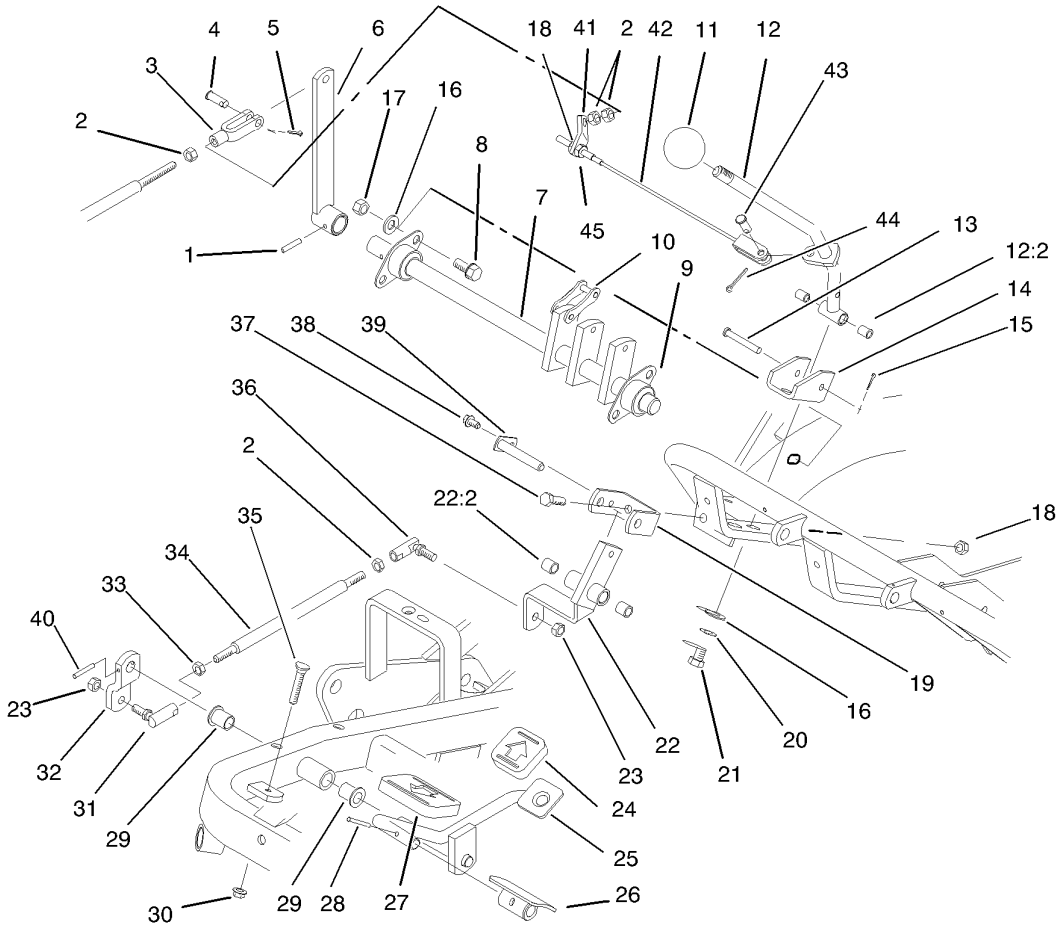
Ref	Part No.	Qty.	Description
1	49-6200-01	1	Lever-Cutting
2	283-61	5	Pin-Yoke
3	282-2	5	Yoke
4	3220-2	5	Nut-Jam
5	49-5430	1	Rod-Control
6	49-6110-01	1	Guard-Trans Rod
7	323-13	4	Screw-HH
8	100-9819	1	Latch ASM
9	100-9821	1	Plate-Switch, Reed
10	93-8062	1	Decal-Brake, Parking
11	83-0640-01	1	Plate-Footrest
12	49-6120	1	Pad-Footrest
13	3229-11	2	Screw-CARR
14	32141-111	1	Nut-Adjusting
15	95-1629	1	Hinge-Lower
16	93-8075	1	Decal-Mow/lift
17	3256-1	7	Washer-Flat
18	3296-16	2	Nut-Lock, NI
19	3274-31	4	Screw-HSBH
20	32148-6	8	Insert-Nut
21	321-4	2	Screw-HH
22	83-0200-01	1	Plate-Cover, LH
23	32128-33	2	Nut-HF
24	3272-6	5	Pin-Cotter

Ref	Part No.	Qty.	Description
25	3296-39	2	Nut-Lock, NI
26	93-9901-01	1	Bracket-Lockout, Mow
27	83-0080	1	Spring-Pivot, Lift
28	106-6396	1	Lift-Pivot
29	27-2270	2	Rod-Adjustment, Brake
30	10-8100-01	2	Strap-Shaft, Brake
31	32121-35	8	Pin-Roll
32	88-9640-01	1	Bracket-Lift Pivot, LH
33	3256-24	5	Washer-Flat
34	3296-59	8	Nut-Lock, NI
35	302-5	2	Fitting-Grease
36	93-7631	1	Pad-Foot, Lift
37	106-6395	1	Cutting Control Shaft ASM
38	83-2590	1	Bolt-Shoulder, Pivot
39	83-0160	1	Shaft-Brake
40	106-6394	1	Mow Pedal ASM
41	93-7630	1	Pad-Foot
42	93-7629	1	Pad-Foot, Brake
43	88-9630-01	1	Bracket-Lift Pivot, RH
44	32121-6	1	Pin-Roll, Slotted
45	321-11	1	Screw-HH
46	3256-22	3	Washer-Flat
47	69-9760	1	Coverplate
48	56-7970	2	Clamp-Tube



Control Pedal Assembly (continued)

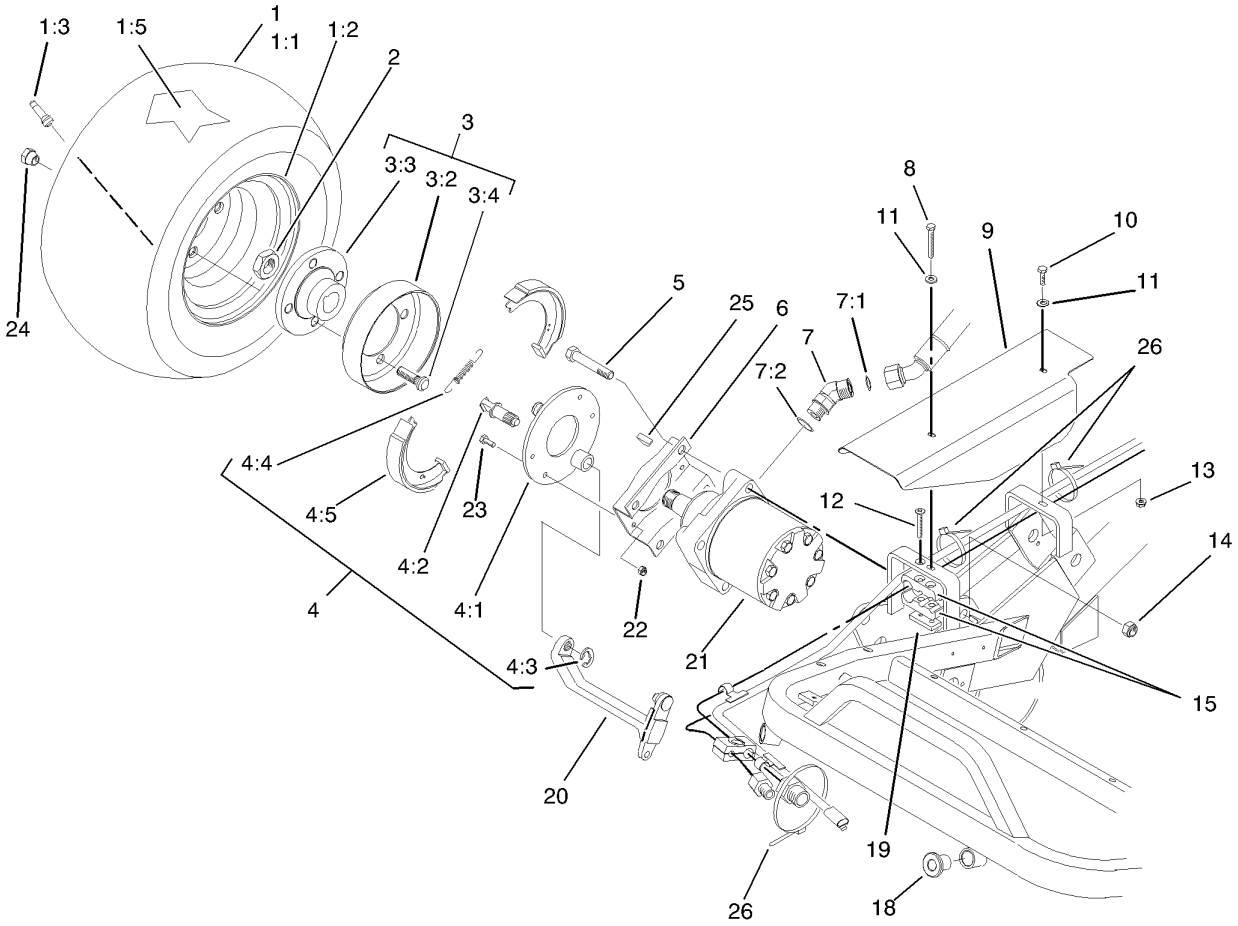
Ref	Part No.	Qty.	Description
49	88-9620	1	Decal
50	10-8140	1	Spring-Latch, Brake
51	321-3	3	Screw-HH
52	93-9898	1	Decal-Lock
53	93-9903	1	Pin-Mow, Lockout
54	3234-1	4	Screw-HHF
55	27-2320	2	Bearing
56	3-1506	2	Bushing
57	76-0410	1	Spring-Compression
58	93-9904	1	Arm-Mow, Lockout
59	3253-3	1	Washer-Lock
60	80-7730	1	Spacer
65	104-2057	1	Sensor
66	48-7620	2	Screw-HH
67	33093-00	2	Washer-Flat
68	49-7810	2	Nut-Lock
69	75-5470	2	Spacer-Bearing
❶99	93-6691	3	Decal-Bolt, Eccentric



Traction Control Assembly

Ref	Part No.	Qty.	Description
1	32121-6	1	Pin-Roll, Slotted
2	3220-2	4	Nut-Jam
3	282-2	1	Yoke
4	283-61	1	Pin-Yoke
5	3272-6	1	Pin-Cotter
6	47-5320-01	1	Lever
7	44-0870	1	Cam Shaft ASM
8	3234-1	4	Screw-HHF
9	27-2320	2	Bearing
10	57-6220	5	Link-Connecting
11	233-48	1	Knob
12	93-9934	1	Handle-Traction
12:2	256-251	2	Bushing
13	283-57	1	Pin
14	49-6220	1	Bracket-Arm, Control
15	3272-4	1	Pin-Cotter
16	3256-24	6	Washer-Flat
17	3296-59	4	Nut-Lock, NI
18	3296-29	3	Nut-Lock, NI
19	49-6250	1	Bracket-Pivot
20	3254-6	2	Washer-Lock, Internal
21	3211-2	2	Screw-HH
22	49-6260	1	Pivot ASM
22:2	256-2	2	Bushing

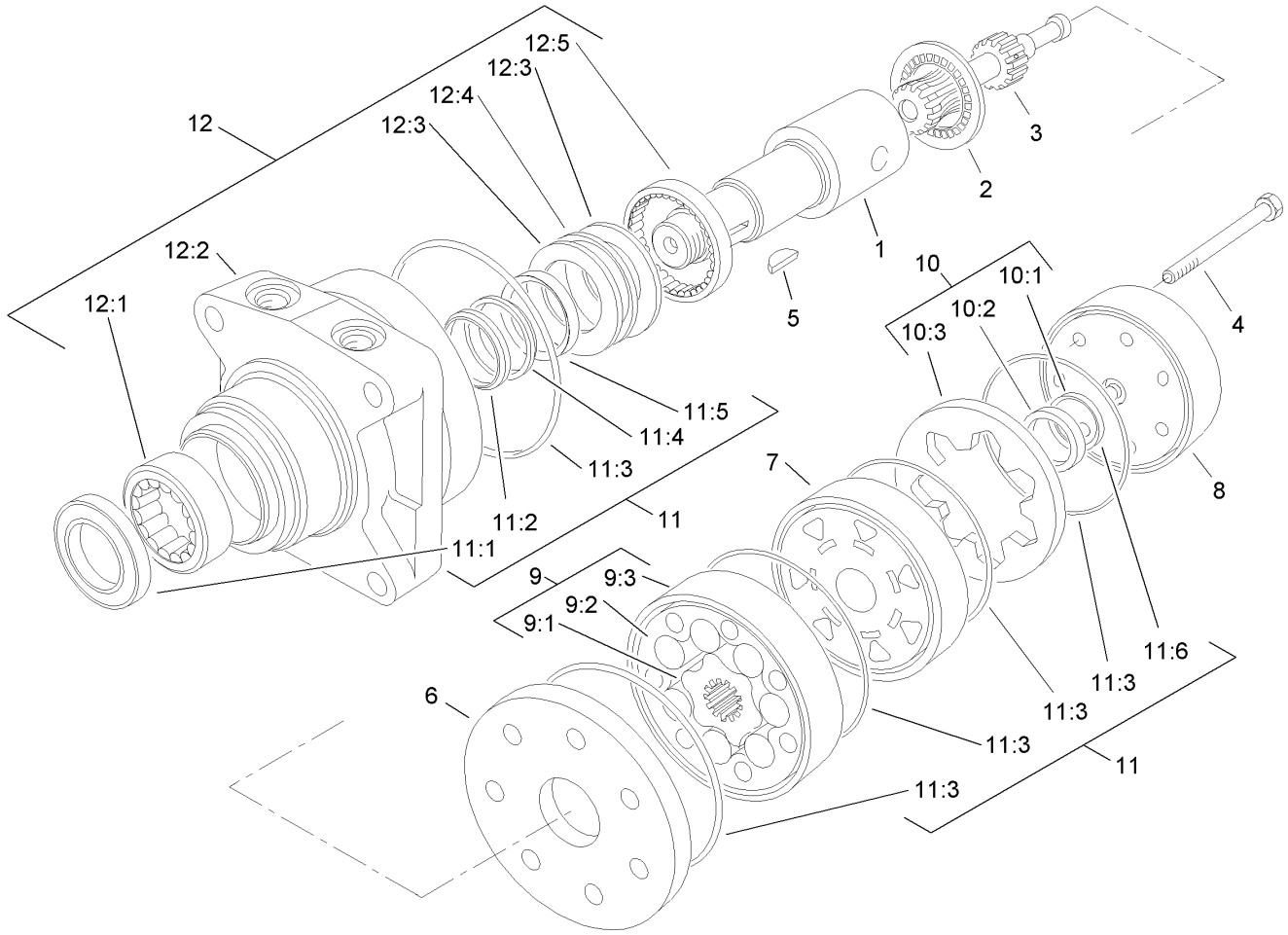
Ref	Part No.	Qty.	Description
23	3296-4	2	Nut-Lock
24	74-9110	1	Pad-Pedal, Reverse
25	83-0540-01	1	Traction Pedal ASM
26	49-6440-03	1	Pedal-Forward
27	74-9100	1	Pad-Pedal, Forward
28	32121-45	1	Pin-Spring
29	256-155	2	Bushing-Flange
30	32128-20	1	Nut-HF
31	2411-42	1	Joint-Ball, LH
32	83-0630	1	Arm-Pivot, Traction
33	3220-20	1	Nut-Jam
34	83-0580	1	Rod-Control, Traction
35	17-9420	1	Screw-Handle
36	2411-43	1	Joint-Ball
37	322-5	2	Screw-HH
38	12-3270	1	Screw
39	49-6290	1	Pivot Shaft ASM
40	32121-51	1	Pin-Roll
41	93-9936	1	Bracket-Return, Traction
42	93-9937	1	Traction Cable ASM
43	283-62	1	Pin-Clevis
44	3272-10	1	Pin-Cotter
45	3217-6	1	Nut-Hex



Front Wheel and Brake Assembly

Ref	Part No.	Qty.	Description
❷1		2	Wheel & Tire ASM
1:1	28-3680	1	Tire
1:2	217-60	1	Rim
1:3	232-27	1	Stem-Valve
1:5	232-37	1	Tube
2	26-3790	2	Nut-Lock
3	10-6821	2	Brake Drum ASM
3:2	10-6850	1	Drum-Brake
3:3	10-6870-03	1	Hub-Wheel
3:4	85-6540	4	Stud-Drive
4	104-7705	2	Brake ASM
4:1	70-9870	1	Plate-Backing
4:2	104-7707	1	Shaft-Cam, Brake
4:3	104-7706	1	E Ring-Bowed
4:4	70-9880	2	Spring-Return
4:5	70-9840	2	Shoe-Brake
5	325-11	8	Screw-HH
6	84-2000-03	2	Bracket-Brake
7	340-14	4	Fitting-Hyd, 45 DEG
7:1	237-65	1	O-Ring
7:2	237-80	1	O-Ring
8	321-11	1	Screw-HH
9	83-0190-01	1	Cover-RH
10	321-4	1	Screw-HH

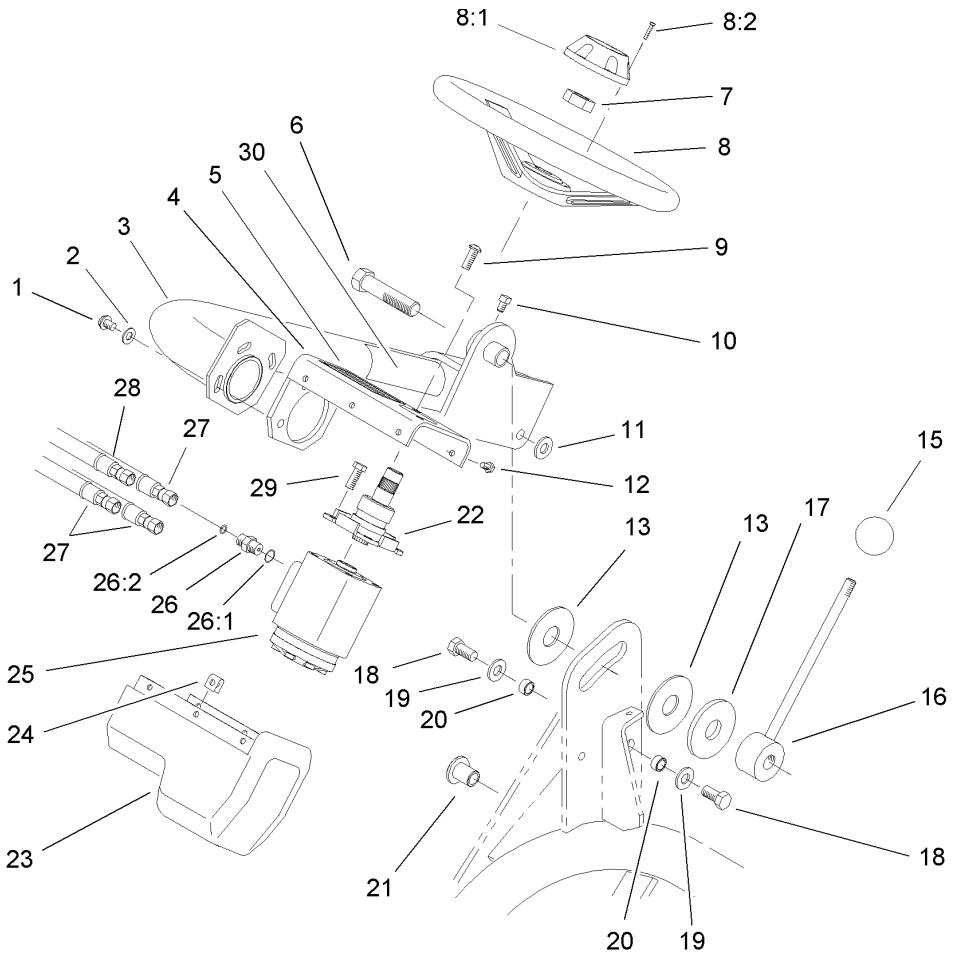
Ref	Part No.	Qty.	Description
11	3256-22	2	Washer-Flat
12	32108-100	1	Screw-FH
13	32128-33	1	Nut-HF
14	3296-23	8	Nut-Lock, NI
15	57-6140	2	Clamp-Tube, Half
18	83-1700	2	Bushing-Flange
19	83-1220	1	Plate-Clamp
20	93-2096	2	Lever-Brake
21	92-9199	2	Motor-Wheel, HYD
22	3296-42	8	Nut-Lock, NI
23	321-5	8	Screw-HH
24	242-50	8	Nut-Lug
25	3257-42	2	Key-Woodruff
26	3290-378	3	Tie-Cable



Hydraulic Wheel Motor Assembly No. 92-9199

Ref	Part No.	Qty.	Description
1	76-0860	1	Shaft-Coupling
2	76-0850	1	Bearing-Thrust
3	92-9761	1	Link-Drive
4	92-9762	7	Screw-HH
5	3257-42	1	Key-Woodruff
6	76-0870	1	Plate-Wear
7	76-0840	1	Manifold
8	76-0940	1	End Cover ASM
9	92-9763	1	Rotor Set
❷9:1		1	Rotor
❷9:2		1	Vane
❷9:3		1	Stator
10	76-0880	1	Commutator ASM
❷10:1		1	Seal-Commutator
❷10:2		1	Commutator
❷10:3		1	Ring-Commutator
11	94-8178	1	Seal Kit
❷11:1		1	Seal-Dirt & Water
❷11:2		1	Washer-Backup
❷11:3		5	Seal-Ring
❷11:4		1	Washer-Backup
❷11:5		1	Seal-Inner
❷11:6		1	Seal-Commutator
12	76-0810	1	Housing ASM

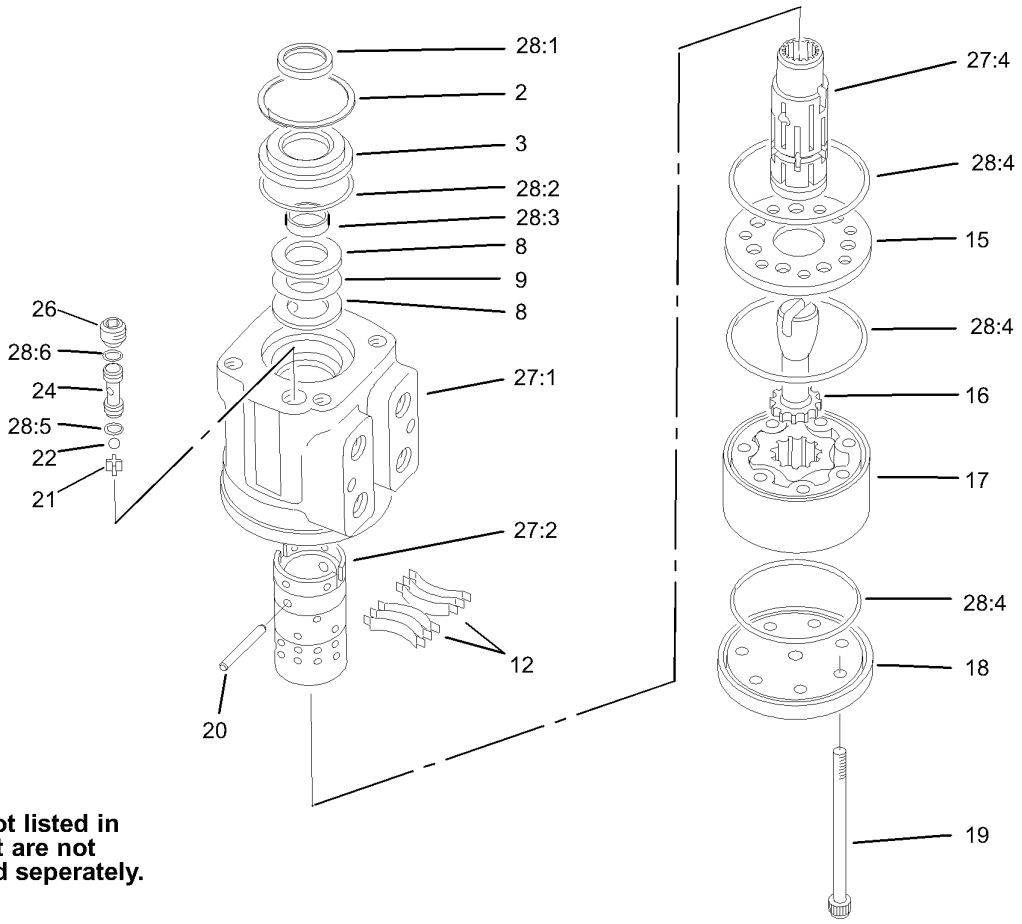
Ref	Part No.	Qty.	Description
❷12:1		1	Bearing
❷12:2		1	Housing
❷12:3		2	Washer-Thrust
❷12:4		1	Bearing-Thrust
❷12:5		1	Bearing



Steering Arm Assembly

Ref	Part No.	Qty.	Description
1	3274-80	3	Screw-HH
2	3256-80	3	Washer-Flat
3	107-9542-01	1	Steering Arm
4	83-0780-03	1	Support-Valve, Steering
5	104-2053	1	Decal-Warning
5	93-8063	1	Decal-Caution, Ce
6	83-0750	1	Capscrew-Hh, LH Thread
7	107-2561	1	Nut-Hex
8	68-5130	1	Wheel-Steering
8:1	68-5140	1	Cap-Wheel, Steering
8:2	32144-21	1	Screw
9	3274-63	2	Screw-HSBH
10	3242-2	1	Screw-SQH
11	65-6390	1	Washer-Thrust, Plain
12	3274-39	6	Screw-HSBH
13	83-0740	2	Disc-Friction
15	233-48	1	Knob
16	83-0700-03	1	Handle-Lockup
17	83-0760	1	Spacer-Plate, Lockup
18	325-4	2	Screw-HH
19	3256-26	2	Washer-Flat
20	47-2890	2	Bushing
21	83-1700	1	Bushing-Flange
22	83-1420	1	Column-Steering

Ref	Part No.	Qty.	Description
23	83-0810	1	Cover-Steering
24	3290-277	6	Nut-Speed
25	92-8690	1	Steering Control Valve ASM
26	340-1	4	Adapter
26:1	237-21	1	O-Ring
26:2	237-42	1	O-Ring
27	83-1350	3	Hose-HYD
28	83-1360	1	Hose-HYD
29	323-4	2	Screw-HH
30	93-8068	1	Decal-Arm, Steering

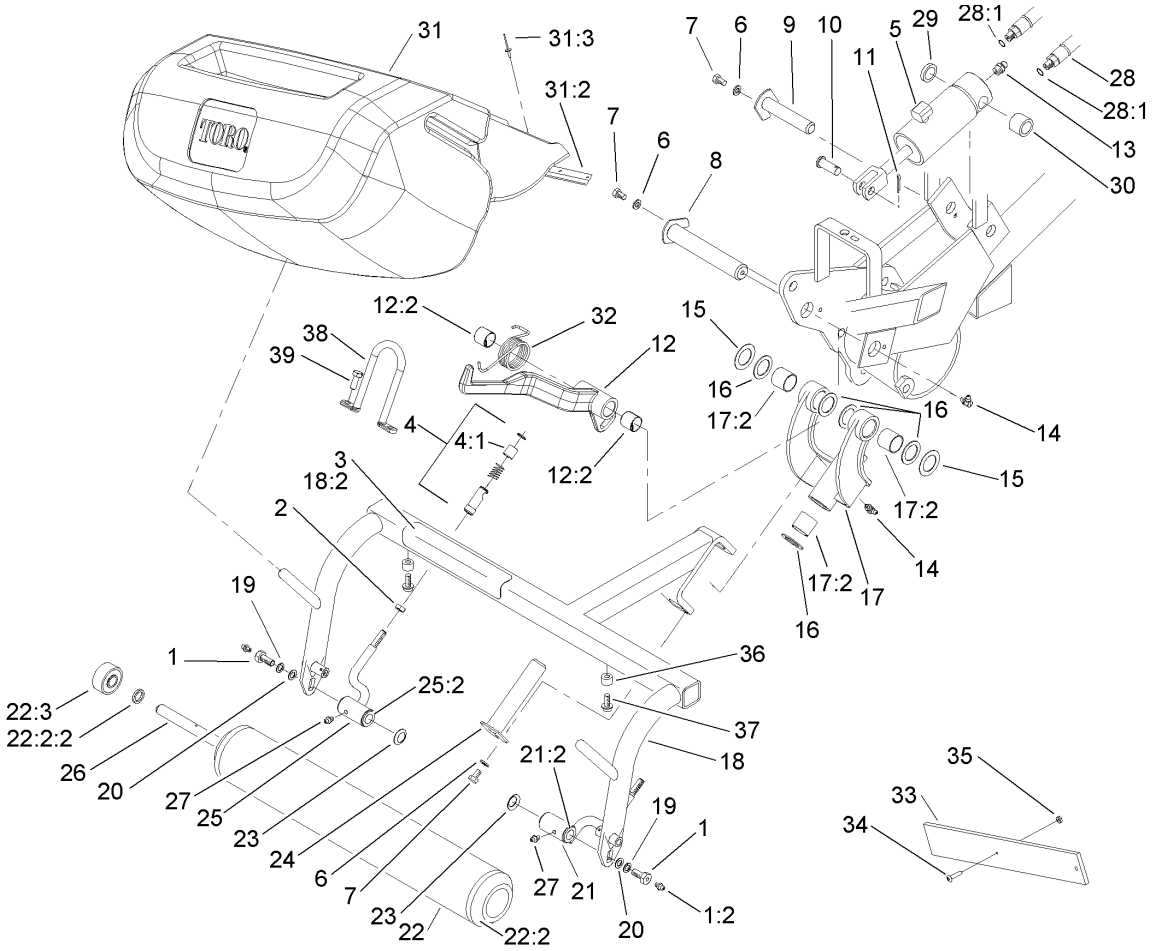


Parts not listed in partslist are not serviced seperately.

Power Steering Valve Assembly No. 92-8690

Ref	Part No.	Qty.	Description
2	52-9230	1	Ring-Retaining
3	92-8691	1	Bushing
8	59-6730	2	Race
9	59-6740	1	Bearing
12	83-1860	1	Spring Centering Kit
15	92-8697	1	Plate-Wear
16	70-8250	1	Drive
17	83-1870	1	Gerotor Sub ASM
18	92-8694	1	Cap-End
19	92-8696	7	Screw-Head, Torx
20	59-6830	1	Centering Pin Kit
21	52-9290	1	Retainer-Checkball
22	52-9280	1	Checkball
24	52-9270	1	Seat-Checkball
26	52-9260	1	Screw-Set
27	83-1880	1	Control Parts ASM
❷27:1		1	Housing
❷27:2		1	Sleeve-Control
❷27:4		1	Spool-Control
28	92-9749	1	Seal Kit
❷28:1		1	Seal-Dust
❷28:2		1	O-Ring
❷28:3		1	O-Ring
❷28:4		3	O-Ring

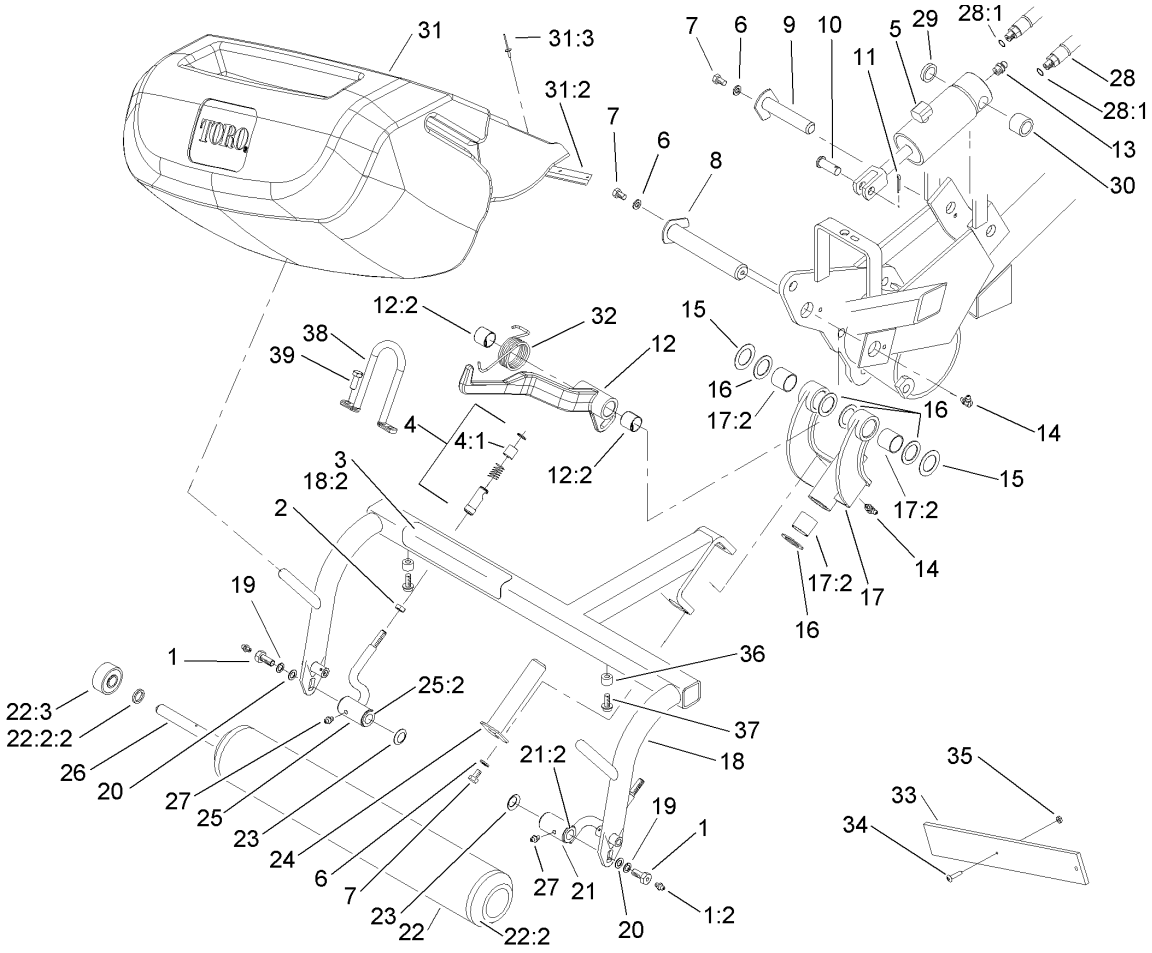
Ref	Part No.	Qty.	Description
❷28:5		1	O-Ring
❷28:6		1	O-Ring



Right Hand Pull Frame Assembly

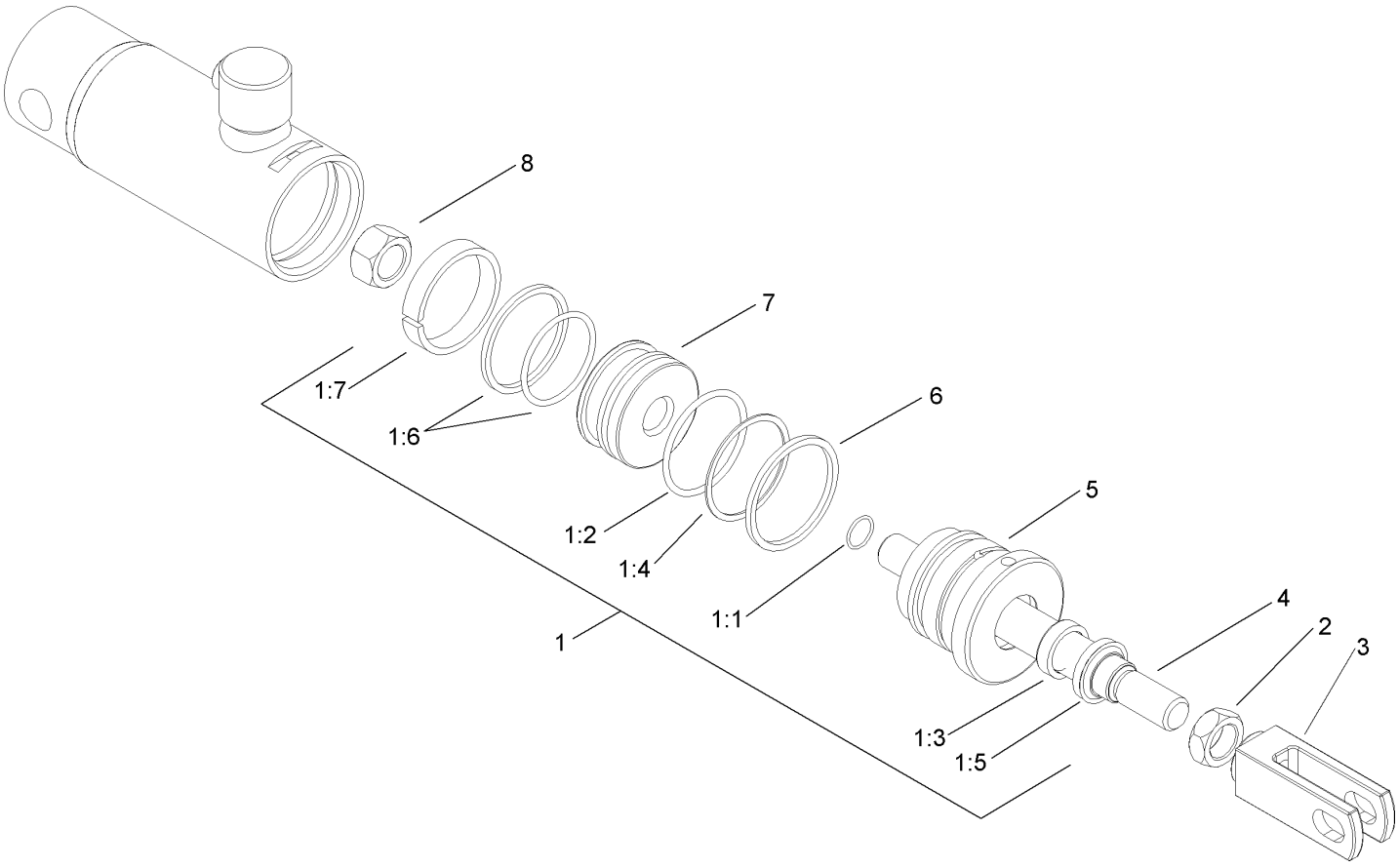
Ref	Part No.	Qty.	Description
1	11-0160	2	Roller Shaft Screw ASM
1:2	302-5	1	Fitting-Grease
2	3220-3	2	Nut-Jam
3	93-8064	1	Decal-Danger, Ce
4	99-1460	2	Ball Joint Receiver ASM
4:1	99-1461	1	Sleeve-Joint, Ball
5	106-9066	1	HYD Cylinder ASM
6	3256-23	3	Washer-Flat
7	322-1	3	Screw-HH
8	10-6110	1	Pin-Hinge
9	10-6060	1	Pin-Pivot, Ram
10	283-8	1	Pin-Clevis
11	3272-11	1	Pin-Cotter
12	107-2599	1	RH Lift Arm ASM
12:2	3-0348	2	Bushing
13	302-2	1	Fitting-Grease
14	302-60	2	Fitting-Grease
15	5-1226	2	Washer
16	10-8110	6	Washer-Thrust
17	10-7820	1	Pivot Hinge ASM
17:2	3-0348	4	Bushing
18	104-2055	1	Right Pull Frame ASM
18:2	62-5070	1	Decal-Warning
19	3253-21	2	Washer-Lock

Ref	Part No.	Qty.	Description
20	3256-24	2	Washer-Flat
21	92-0586	1	Pull Arm ASM
21:2	3-1506	2	Bushing
22	99-4277	1	Roller ASM
❷22:2		2	Hub Yoke ASM
22:2:2	253-83	1	Seal-Oil
22:3	251-141	2	Bearing-Ball
23	3290-317	2	Washer-Spring
24	10-6090	1	Pin-Pivot
25	92-0585	1	Pull Arm ASM
25:2	3-1506	2	Bushing
26	21-8470	1	Shaft-Roller
27	302-5	2	Fitting-Grease
28	92-9767	2	Hose
28:1	237-78	1	O-Ring
29	105-3828	1	Spacer
30	74-3730	1	Spacer-Spindle, Rear
31	107-9518	3	Grass Basket ASM
31:2	104-2607	1	Strip-Basket
31:3	3290-382	8	Rivet-Pop
32	106-9078	1	Spring-Torsion, RH
33	65-8320	1	Bar-Gauge
34	32122-22	1	Screw-HH
35	3219-14	1	Nut-Hex



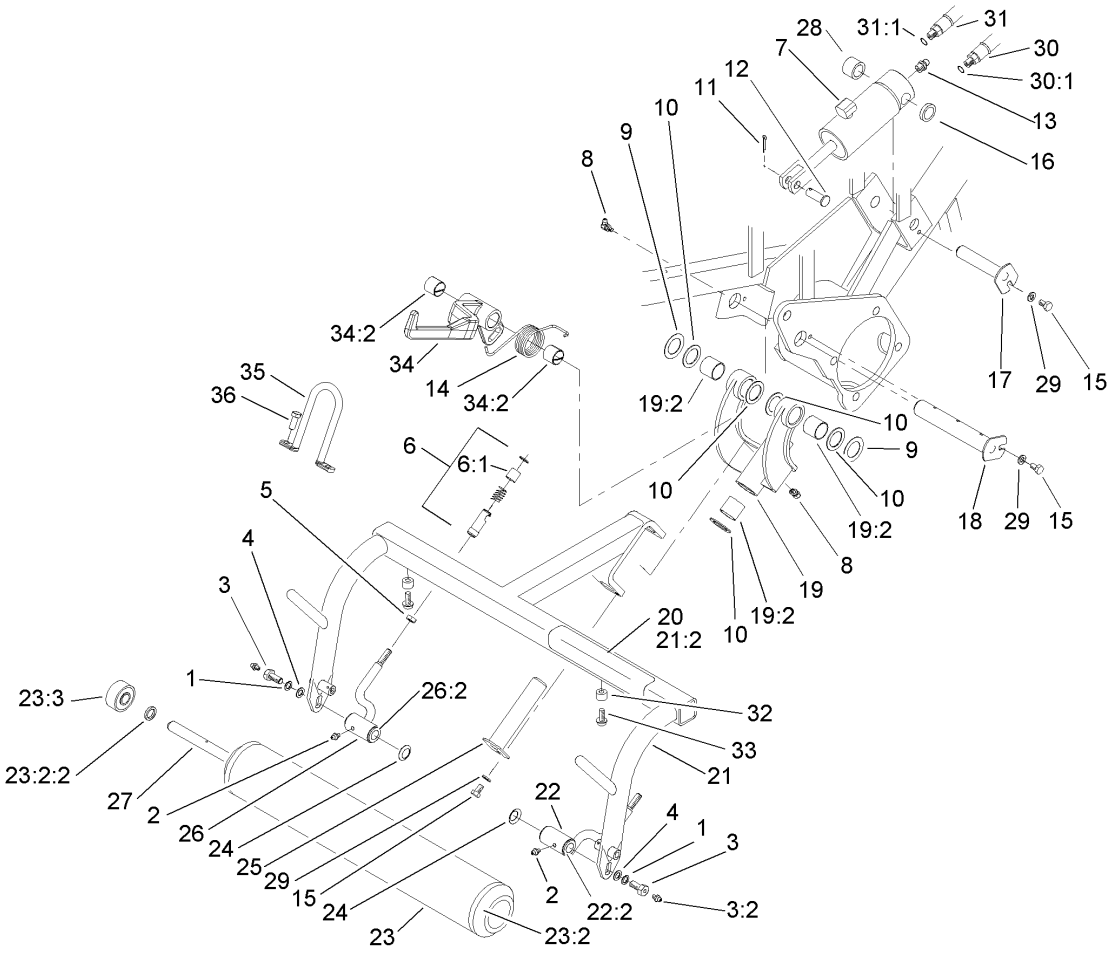
Right Hand Pull Frame Assembly (continued)

Ref	Part No.	Qty.	Description
36	94-4548	2	Bumper-Recessed
37	32144-44	2	Screw-HWH
38	105-5740	1	Hook-Lift
39	33115-025	2	Screw-HH



Hydraulic Cylinder Assembly No. 106-9066

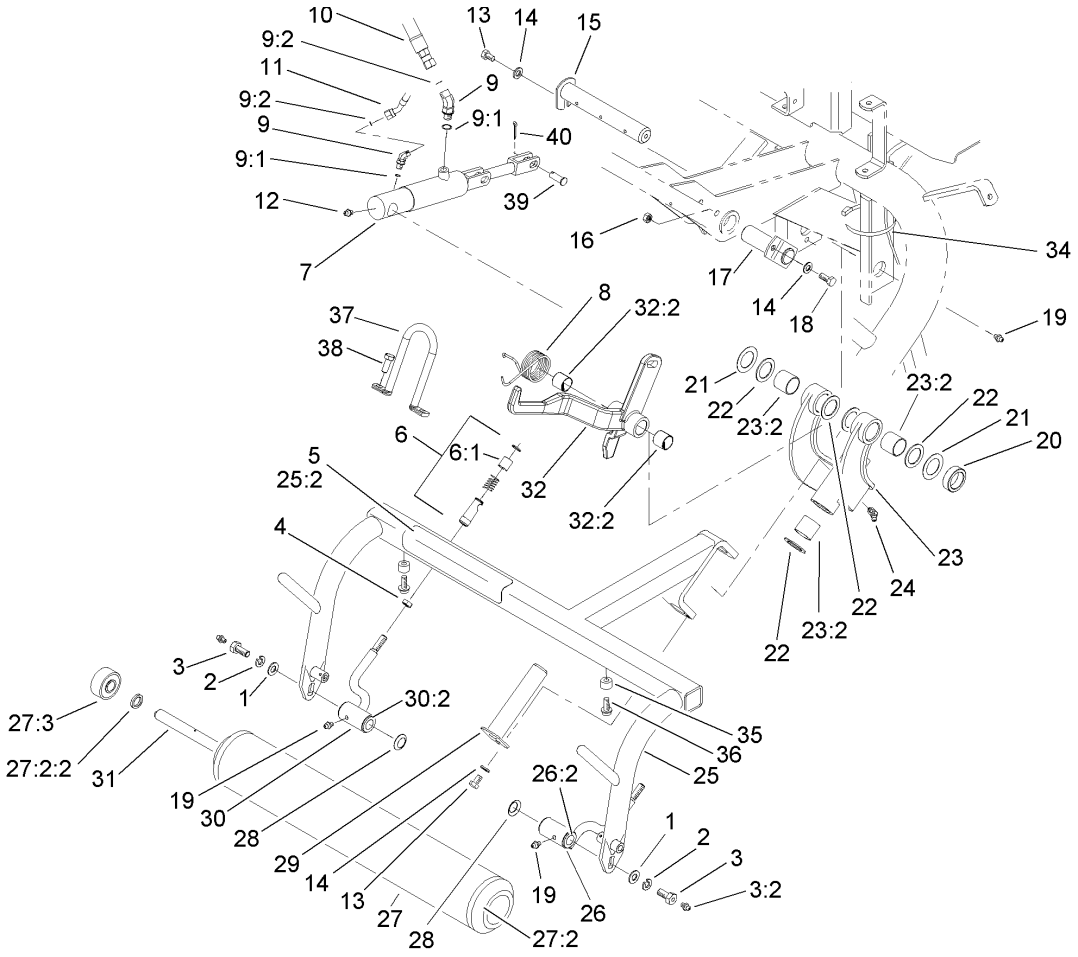
Ref	Part No.	Qty.	Description
1	107-2564	1	Seal Kit
❷1:1		1	O-Ring
❷1:2		1	O-Ring
❷1:3		1	Seal
❷1:4		1	Back-Up
❷1:5		1	Wiper
❷1:6		1	Seal-W/out Ring
❷1:7		1	Ring-Wear
2	3220-6	1	Nut-Jam
3	106-9065	1	Clevis-Cylinder
❷4		1	Rod
❷5		1	Head
❷6		1	Ring-Retaining
❷7		1	Piston
❷8		1	Locknut



Left Hand Pull Frame Assembly

Ref	Part No.	Qty.	Description
1	3253-21	2	Washer-Lock
2	302-5	2	Fitting-Grease
3	11-0160	2	Roller Shaft Screw ASM
3:2	302-5	1	Fitting-Grease
4	3256-24	2	Washer-Flat
5	3220-3	2	Nut-Jam
6	99-1460	2	Ball Joint Receiver ASM
6:1	99-1461	1	Sleeve-Joint, Ball
7	106-9066	1	HYD Cylinder ASM
8	302-60	2	Fitting-Grease
9	5-1226	2	Washer
10	10-8110	6	Washer-Thrust
11	3272-11	1	Pin-Cotter
12	283-8	1	Pin-Clevis
13	302-2	1	Fitting-Grease
14	106-9079	1	Spring-Torsion, LH
15	322-1	3	Screw-HH
16	105-3828	1	Spacer
17	10-6060	1	Pin-Pivot, Ram
18	10-6110	1	Pin-Hinge
19	10-7820	1	Pivot Hinge ASM
19:2	3-0348	4	Bushing
20	93-8064	1	Decal-Danger, Ce
21	104-2054	1	Left Pull Frame ASM

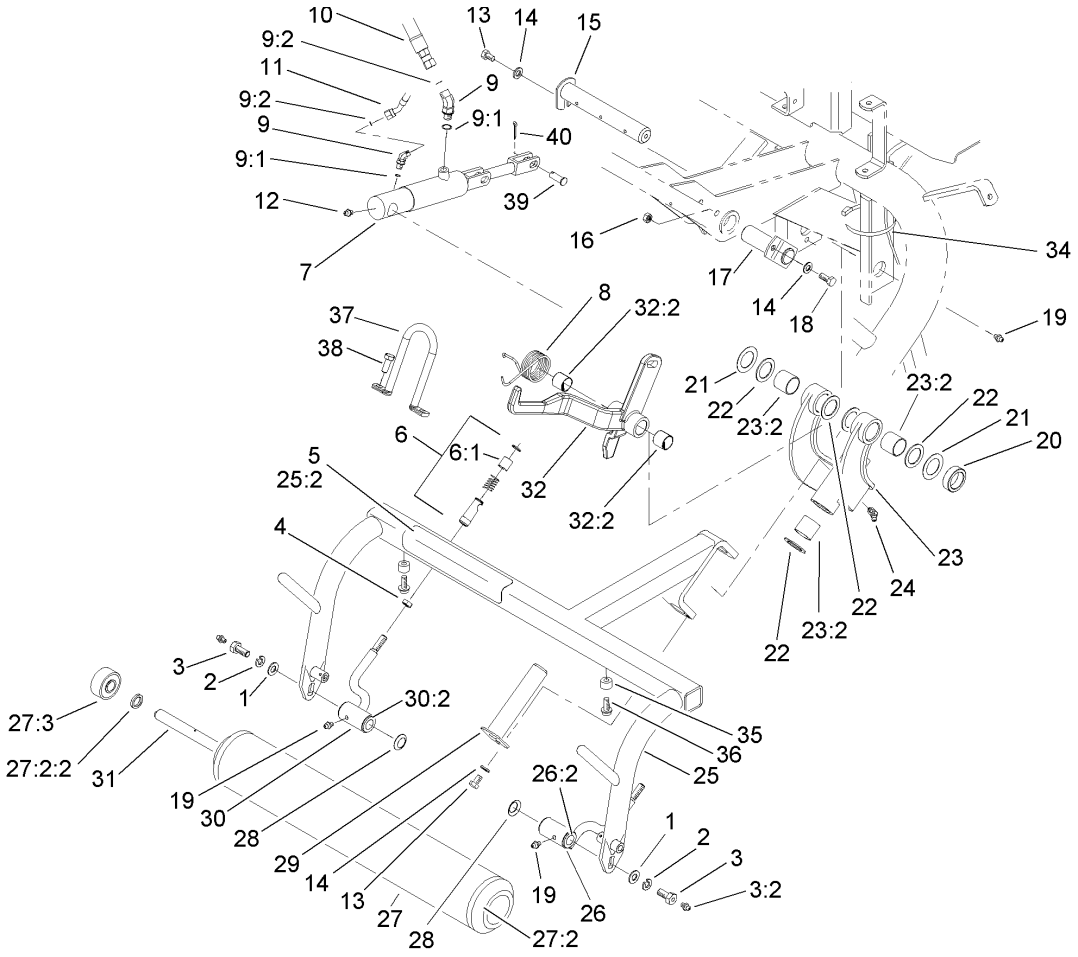
Ref	Part No.	Qty.	Description
21:2	62-5070	1	Decal-Warning
22	92-0586	1	Pull Arm ASM
22:2	3-1506	2	Bushing
23	99-4277	1	Roller ASM
❷23:2		2	Hub Yoke ASM
23:2:2	253-83	1	Seal-Oil
23:3	251-141	2	Bearing-Ball
24	3290-317	2	Washer-Spring
25	10-6090	1	Pin-Pivot
26	92-0585	1	Pull Arm ASM
26:2	3-1506	2	Bushing
27	21-8470	1	Shaft-Roller
28	74-3730	1	Spacer-Spindle, Rear
29	3256-23	3	Washer-Flat
30	83-1690	1	Hose-HYD
30:1	237-78	1	O-Ring
31	63-3850	1	Hose ASM
31:1	237-78	1	O-Ring
32	94-4548	2	Bumper-Recessed
33	32144-44	2	Screw-HWH
34	107-2598	1	LH Lift Arm ASM
34:2	3-0348	2	Bushing
35	105-5740	1	Hook-Lift
36	33115-025	2	Screw-HH



Rear Pull Frame Assembly

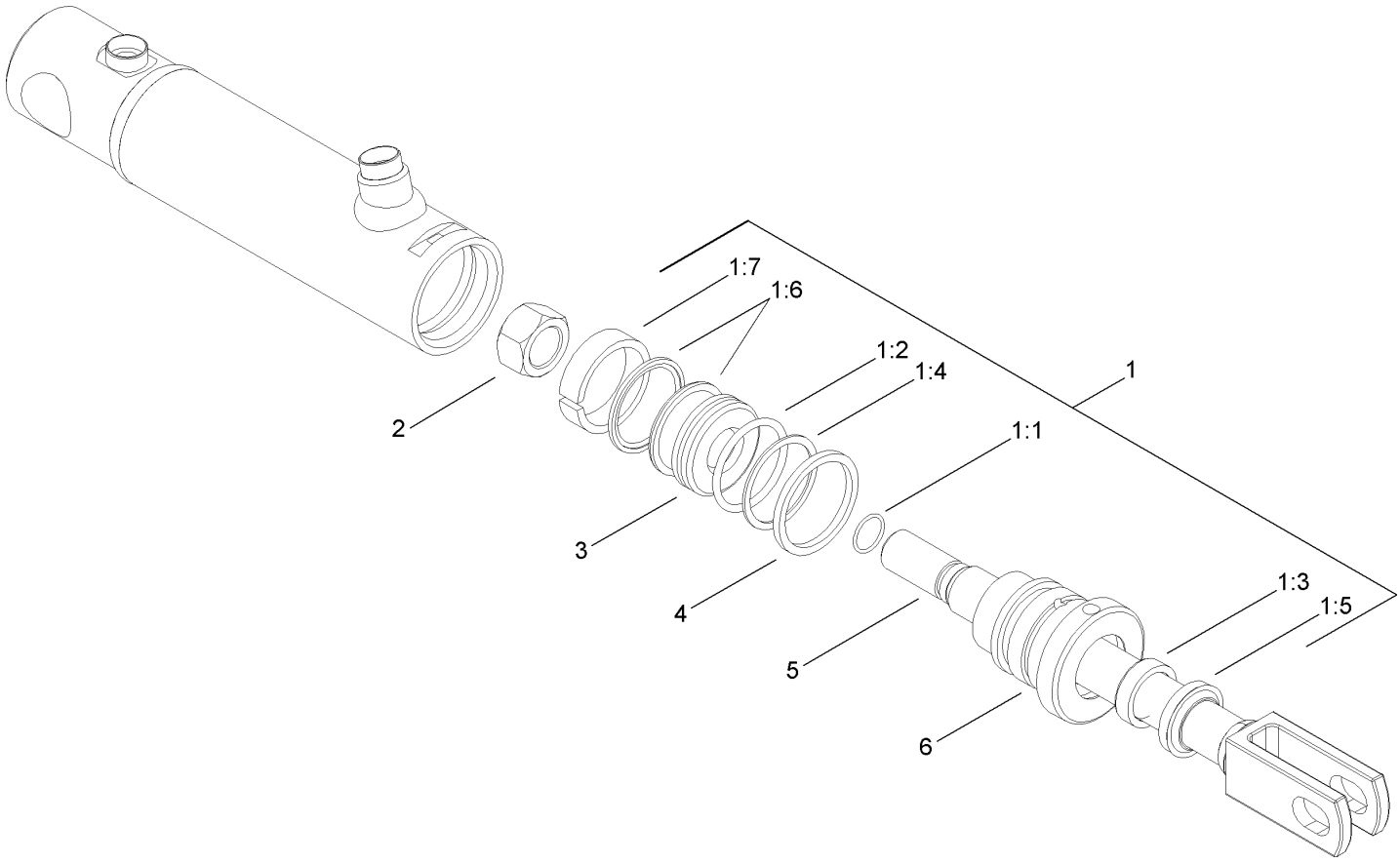
Ref	Part No.	Qty.	Description
1	3256-24	2	Washer-Flat
2	3253-21	2	Washer-Lock
3	11-0160	2	Roller Shaft Screw ASM
3:2	302-5	1	Fitting-Grease
4	3220-3	2	Nut-Jam
5	93-8064	1	Decal-Danger, Ce
6	99-1460	2	Ball Joint Receiver ASM
6:1	99-1461	1	Sleeve-Joint, Ball
7	106-9064	1	HYD Cylinder ASM
8	106-9080	1	Spring-Torsion, Center
9	340-103	2	Fitting-Hyd, 45 DEG
9:1	237-78	1	O-Ring
9:2	237-21	1	O-Ring
10	83-1680	1	Hose-HYD
11	88-9700	1	Hose-HYD
12	302-2	1	Fitting-Grease
13	322-1	2	Screw-HH
14	3256-23	3	Washer-Flat
15	27-2550	1	Pin-Hinge
16	3296-29	1	Nut-Lock, NI
17	68-5560	1	Pin-Cylinder, Pivot
18	322-3	1	Screw-HH
19	302-5	3	Fitting-Grease
20	93-2384	1	Spacer-Carrier

Ref	Part No.	Qty.	Description
21	5-1226	2	Washer
22	10-8110	6	Washer-Thrust
23	105-0452	1	Pivot Hinge ASM
23:2	3-0348	4	Bushing
24	302-60	1	Fitting-Grease
25	105-0451	1	Rear Pull Frame ASM
25:2	62-5070	1	Decal-Warning
26	92-0586	1	Pull Arm ASM
26:2	3-1506	2	Bushing
27	99-4277	1	Roller ASM
❷27:2		2	Hub Yoke ASM
27:2:2	253-83	1	Seal-Oil
27:3	251-141	2	Bearing-Ball
28	3290-317	2	Washer-Spring
29	10-6090	1	Pin-Pivot
30	92-0585	1	Pull Arm ASM
30:2	3-1506	2	Bushing
31	21-8470	1	Shaft-Roller
32	107-9500	1	Center Lift Arm ASM
32:2	3-0348	2	Bushing
34	3290-379	1	Tie-Cable
35	94-4548	2	Bumper-Recessed
36	32144-44	2	Screw-HWH
37	105-5740	1	Hook-Lift



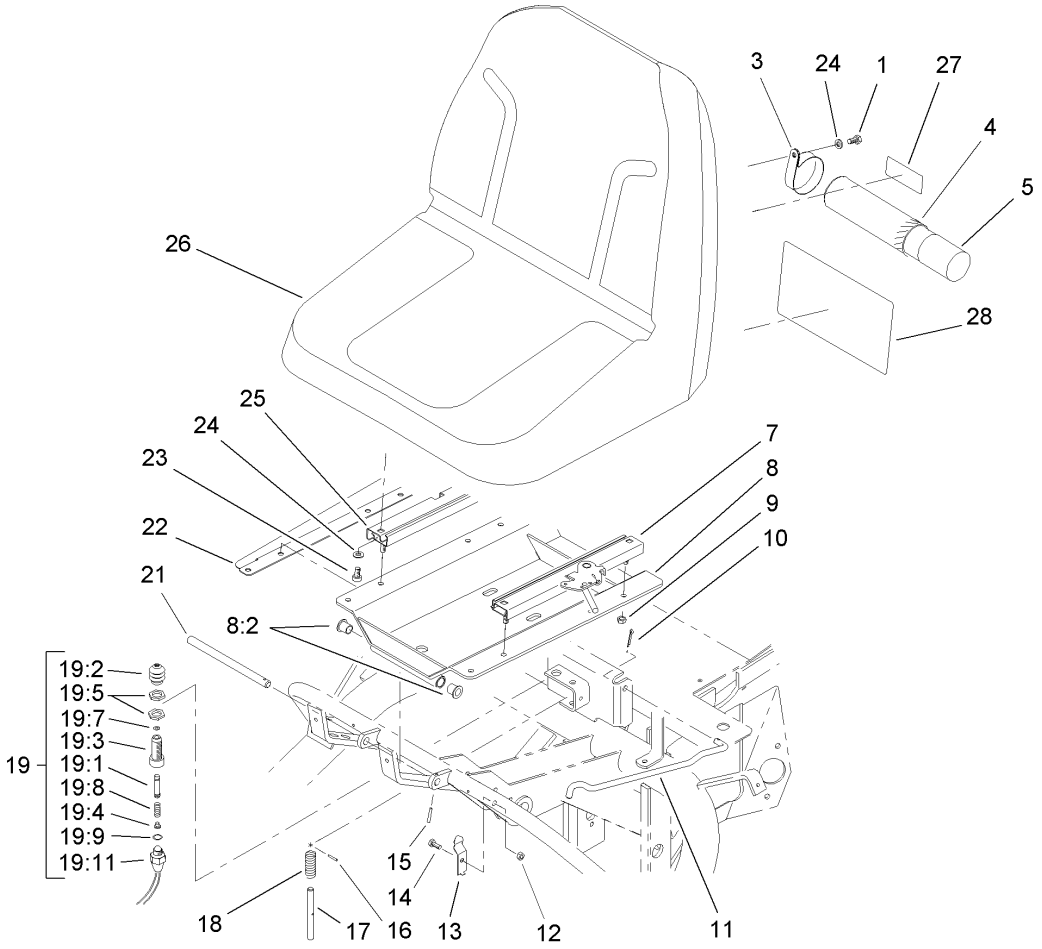
Rear Pull Frame Assembly (continued)

Ref	Part No.	Qty.	Description
38	33115-025	2	Screw-HH
39	283-8	1	Pin-Clevis
40	3272-11	1	Pin-Cotter



Hydraulic Cylinder Assembly No. 106-9064

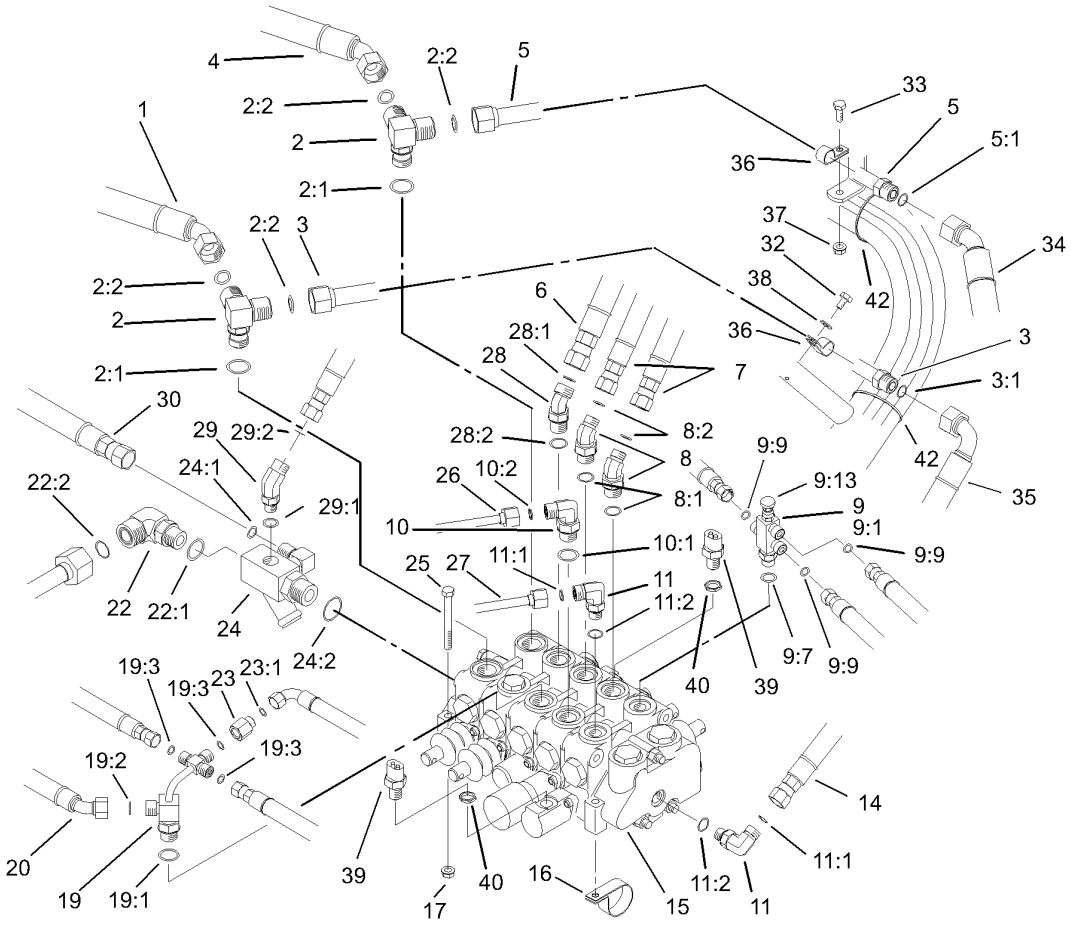
Ref	Part No.	Qty.	Description
1	107-2563	1	Seal Kit
❷1:1		1	O-Ring
❷1:2		1	O-Ring
❷1:3		1	Seal
❷1:4		1	Back-Up
❷1:5		1	Wiper
❷1:6		1	Seal W/loader
❷1:7		1	Wear Ring
❷2		1	Locknut
❷3		1	Piston
❷4		1	Ring-Retaining
❷5		1	Rod ASM
❷6		1	Head



Seat Assembly

Ref	Part No.	Qty.	Description
1	322-2	2	Screw-HH
3	2412-133	2	R-Clamp
4	104-7050	1	Housing-Manual
5	104-7048	1	Cap-Housing
7	51-0790	1	Adjuster-Seat, LH
8	83-1270	1	Seat Support ASM
8:2	256-155	2	Bushing-Flange
9	3296-29	4	Nut-Lock, NI
10	3272-11	1	Pin-Cotter
11	68-5100	1	Rod-Seat, Prop
12	3296-16	1	Nut-Lock, NI
13	68-5310	1	Clip-Rod, Prop
14	321-3	1	Screw-HH
15	32121-45	1	Pin-Spring
16	3284-3	1	Pin-Grooved
17	51-0350	1	Pin-Spring, Seat
18	3-6685	1	Spring
19	43-9071	1	Limit Switch ASM
19:1	43-8860	1	Plunger-Switch
19:2	43-8870	1	Boot-Switch
19:3	43-8620	1	Pin-Guide, Switch
19:4	43-8610	1	Guide
19:5	218-461	2	Nut-HH
19:7	237-7	1	O-Ring

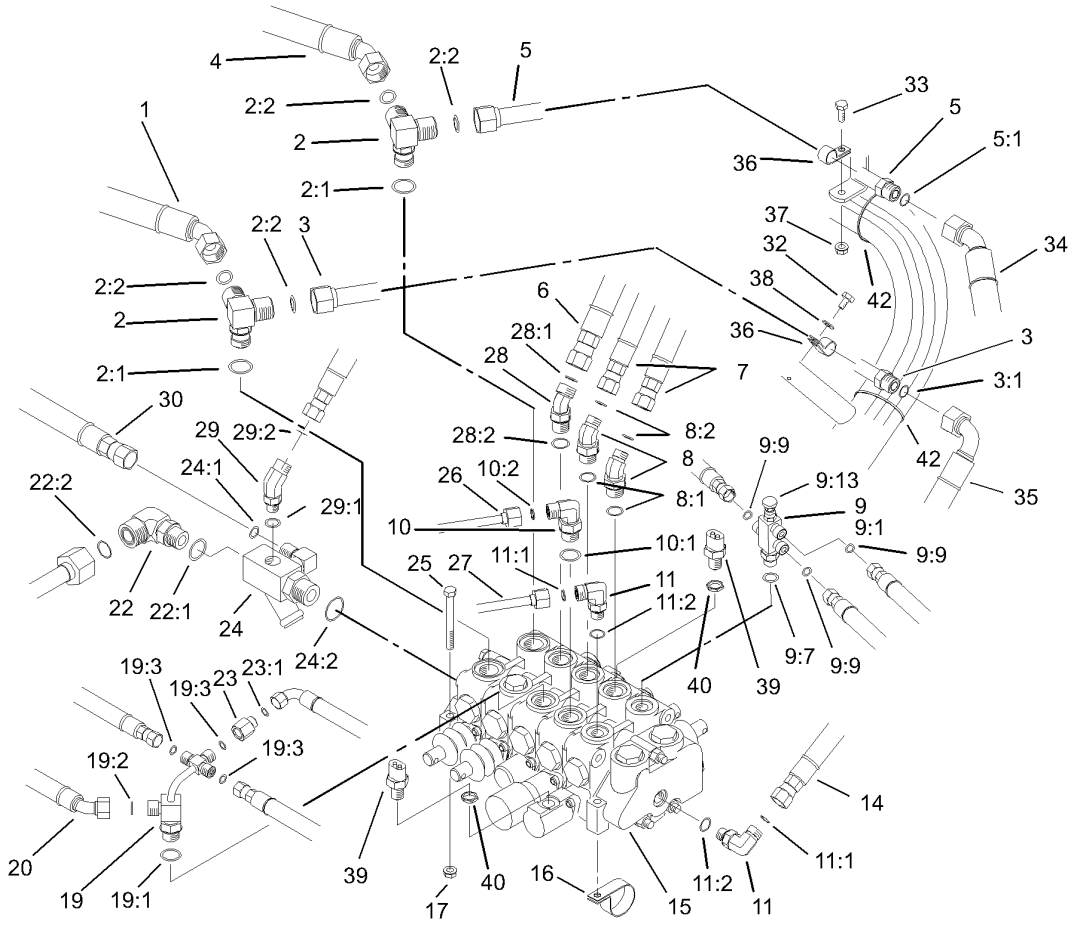
Ref	Part No.	Qty.	Description
19:8	43-8600	1	Spring-Compression
19:9	237-30	1	O-Ring
19:11	72-4320	1	Switch-Ball, N.o.
21	49-5880	1	Shaft-Support, Seat
22	83-1840-01	1	Cover-Valve, RH
23	3274-12	4	Screw-HSH
24	3256-23	6	Washer-Flat
25	51-0780	1	Slider-Seat
26	104-4620	1	Seat-Olympic
27	93-6686	1	Decal-Oil, HYD
28	106-6367	1	Decal-Service
28	106-6368	1	Decal-Service, Japanese
28	106-6369	1	Decal-Service, Spanish
28	106-6370	1	Decal-Service, French
28	106-6371	1	Decal-Service, German
28	106-6372	1	Decal-Service, Swedish
28	106-6375	1	Decal-Service, Norwegian
28	106-6374	1	Decal-Service, Portuguese
28	106-6373	1	Decal-Service, Italian
28	106-6376	1	Decal-Service, Finnish
28	106-6377	1	Decal-Service, Danish
28	106-6378	1	Decal-Service, Dutch



Control Valve Installation Assembly

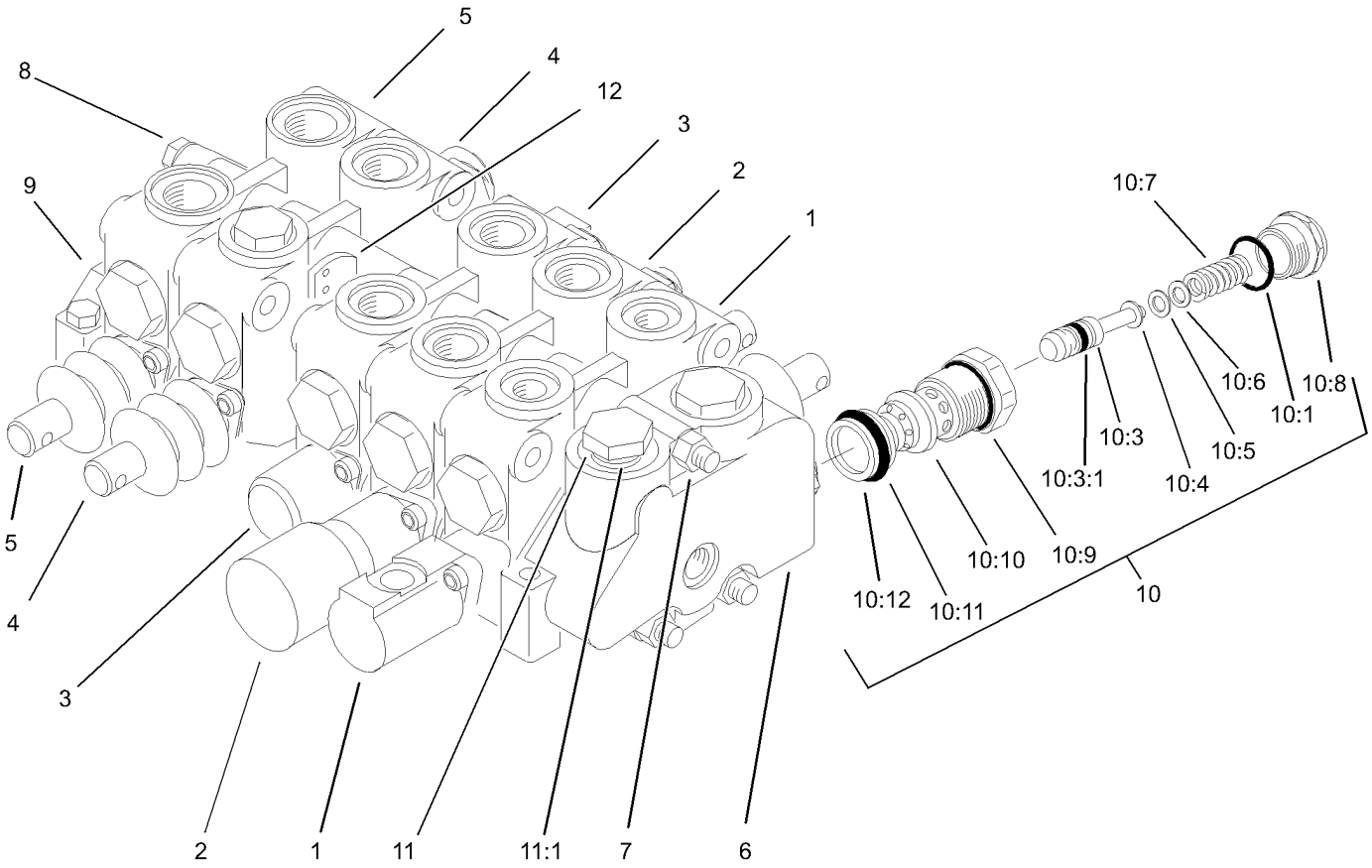
Ref	Part No.	Qty.	Description
1	98-0647	1	Hose-HYD
2	63-4050	2	Fitting
2:1	237-80	1	O-Ring
2:2	237-65	2	O-Ring
3	70-7130	1	Line-Tube
3:1	237-65	2	O-Ring
4	98-0646	1	Hose-HYD
5	83-1200	1	Tube-Traction, LH Lower
5:1	237-65	1	O-Ring
6	107-9519	1	HYD Hose ASM
7	98-0649	2	Hose-HYD
8	340-138	2	Fitting-Hyd, 45 DEG
8:1	237-79	1	O-Ring
8:2	237-22	1	O-Ring
9	93-2556	1	Needle Valve ASM
9:1	93-2555	1	Fitting-Body
9:7	237-42	1	O-Ring
9:9	237-21	3	O-Ring
9:13	93-2554	1	Needle ASM
10	340-18	1	Fitting-Hyd, 90 DEG
10:1	237-79	1	O-Ring
10:2	237-22	1	O-Ring
11	340-77	2	Fitting-Hyd, 90 DEG
11:1	237-22	1	O-Ring

Ref	Part No.	Qty.	Description
11:2	237-42	1	O-Ring
14	98-2150	1	Hose-HYD
15	105-3800	1	Control Valve ASM
16	304-61	1	Clamp-Hose
17	32128-20	3	Nut-HF
19	83-1670	1	Fitting ASM
19:1	237-79	1	O-Ring
19:2	237-22	1	O-Ring
19:3	237-21	3	O-Ring
20	95-5986	1	Hose-HYD
22	340-16	1	Fitting-Hyd, 90
22:1	237-80	1	O-Ring
22:2	237-58	1	O-Ring
23	71-0990	1	Orifice
23:1	237-21	1	O-Ring
24	68-5260	1	Manifold-Tee
24:1	237-30	1	O-Ring
24:2	237-81	1	O-Ring
25	322-14	3	Screw-HH
26	63-4030	1	Tube-HYD
27	63-4020	1	Tube-HYD
28	340-101	1	Fitting-Hyd, 45 DEG
28:1	237-30	1	O-Ring
28:2	237-79	1	O-Ring



Control Valve Installation Assembly (continued)

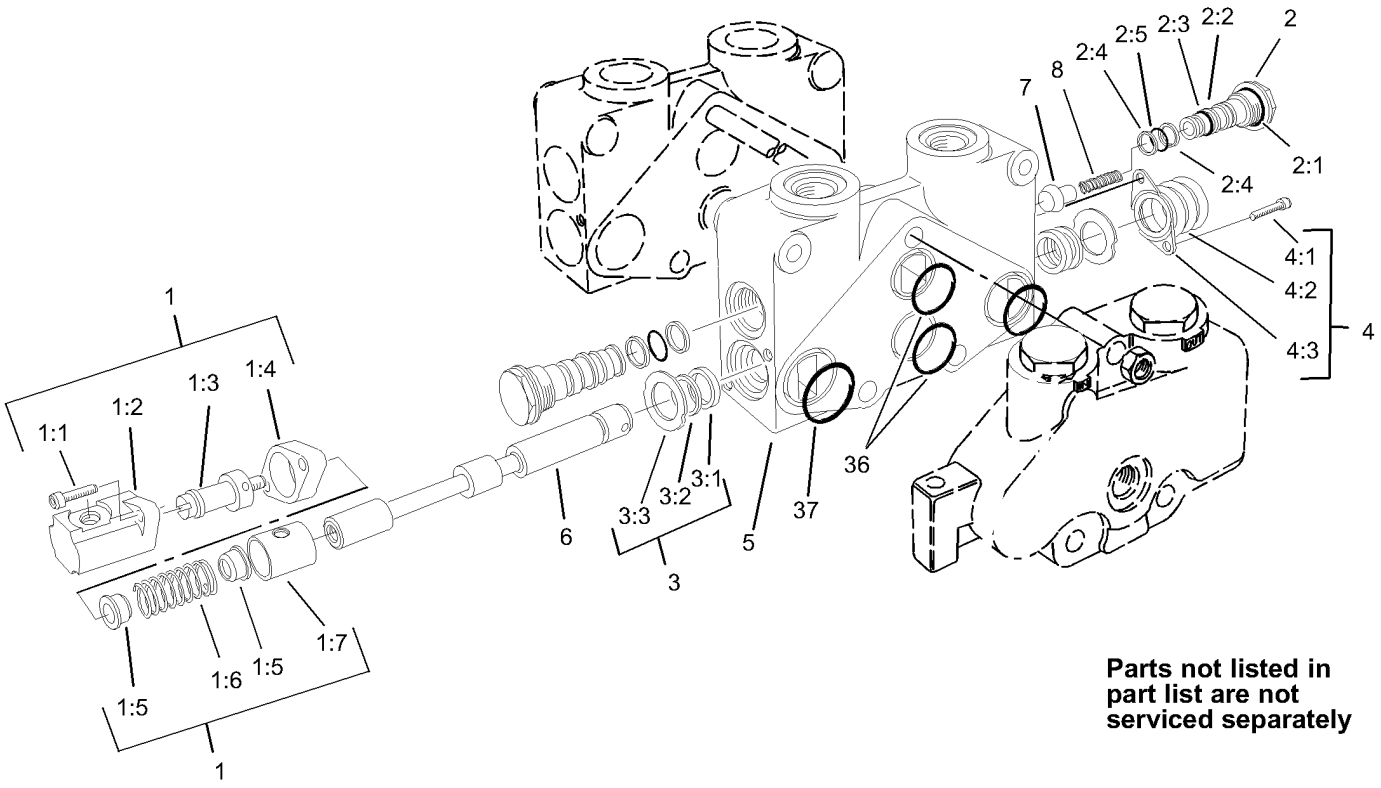
Ref	Part No.	Qty.	Description
29	340-137	1	Fitting
29:1	237-21	1	O-Ring
29:2	237-42	1	O-Ring
30	95-5987	1	Hose-HYD
32	12-3270	1	Screw
33	3234-4	1	Screw-HHF
34	98-0648	1	HYD Hose ASM
35	98-2153	1	HYD Hose ASM
36	2412-41	2	Clamp
37	3296-16	1	Nut-Lock, NI
38	3256-22	1	Washer-Flat
39	83-1890	2	Switch-Ball
40	38-0410	2	Nut-Hex
42	3290-379	2	Tie-Cable



Control Valve Assembly No. 105-3800

Ref	Part No.	Qty.	Description
1	105-3801	1	Section 1 ASM
2	105-3802	1	Section 2 ASM
3	105-3803	1	Section 3 ASM
4	105-3804	1	Section 4 ASM
5	93-1386	1	Section 5 ASM
6	353-772	1	Cover-Left
7	3217-7	3	Nut-Hex
8	353-853	3	Bolt
9	353-668	1	Plate-Cover
10	353-766	1	Cart-Relief
10:1	237-54	1	O-Ring
10:3	353-531	1	Poppet And Ring ASM
10:3:1	353-392	1	Ring-Piston
10:4	353-328	1	Shim (.040)
10:5	353-329	1	Shim (.020)
10:6	353-330	1	Shim (.010)
10:7	353-855	1	Spring
10:8	353-334	1	Cap-Relief
10:9	353-331	1	O-Ring
10:10	353-760	1	Relief-Body
10:11	353-758	1	O-Ring
10:12	353-952	1	Seal-Back-Up
11	353-721	2	Plug
11:1	237-54	1	O-Ring

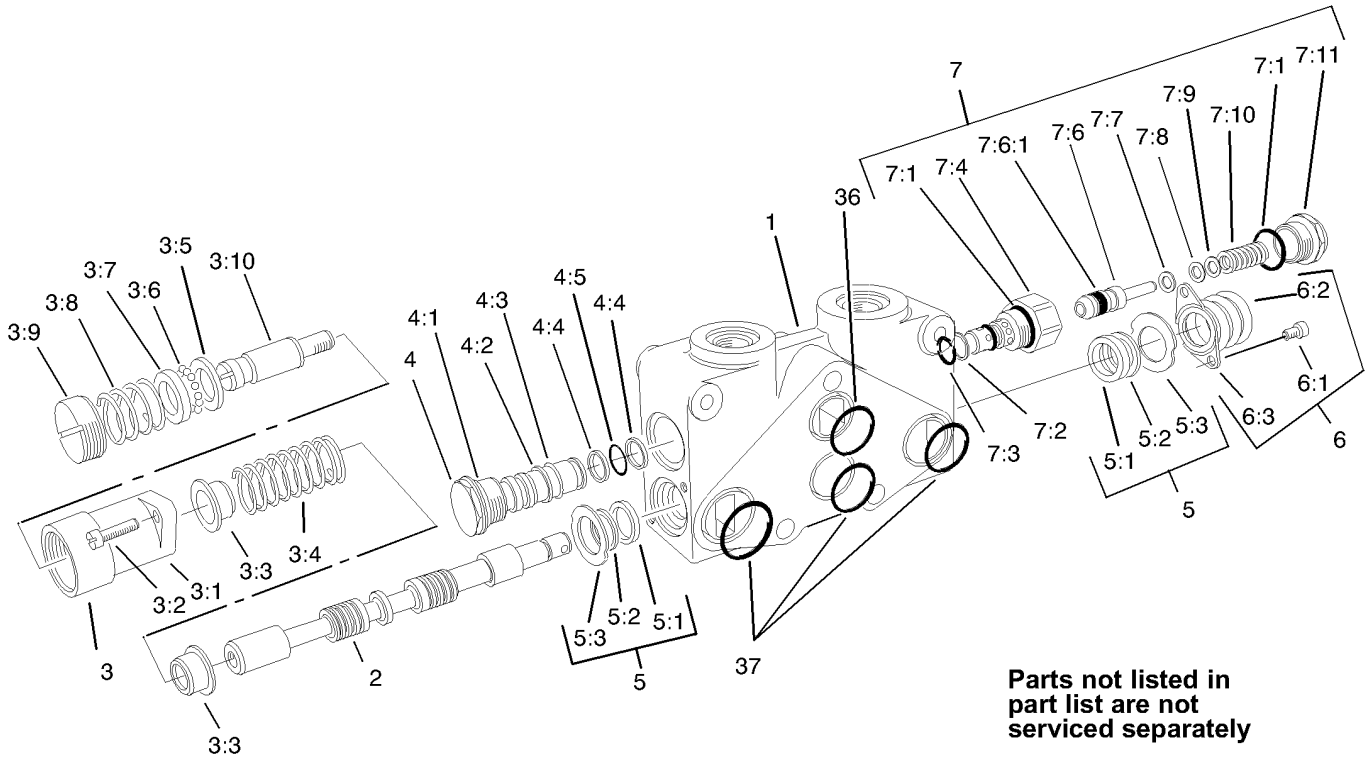
Ref	Part No.	Qty.	Description
12	354-122	1	Disc-Seal
❶13	92-2545	1	Spool Set Kit
❶14	84-2190	1	Section Seal Kit



Section 1 Assembly No. 105-3801

Ref	Part No.	Qty.	Description
1	105-3807	1	Positioner-Interlock
1:1	3274-70	2	Screw-HSH
1:2	353-727	1	Bonnet-Special
1:3	104-7739	1	Spud-V20
1:4	353-733	1	Spacer-Bonnet
1:5	353-417	2	Collar-Stop
1:6	104-7741	1	Spring
1:7	353-728	1	Sleeve
2	353-481	2	Lift Check ASM
2:1	237-54	1	O-Ring
2:2	353-306	1	Washer-Backup
2:3	353-305	1	O-Ring
2:4	353-303	2	Washer-Backup
2:5	353-302	1	O-Ring
3	92-2548	2	Spool Set Kit
3:1	353-957	1	Cup-Seal
3:2	92-2546	1	Wiper-Seal
3:3	92-2547	1	Seal-Retainer
4	93-3652	1	Boot-Dust
4:1	3274-52	2	Screw-HSH
4:2	353-575	1	Boot
4:3	93-3651	1	Retainer-Boot
❷5		1	Housing-V20c
❷6		1	Spool-V20c

Ref	Part No.	Qty.	Description
7	353-301	1	Check-Lift, Poppet
8	353-304	1	Spring-Check, Lift
❷36		2	O-Ring
❷37		2	O-Ring

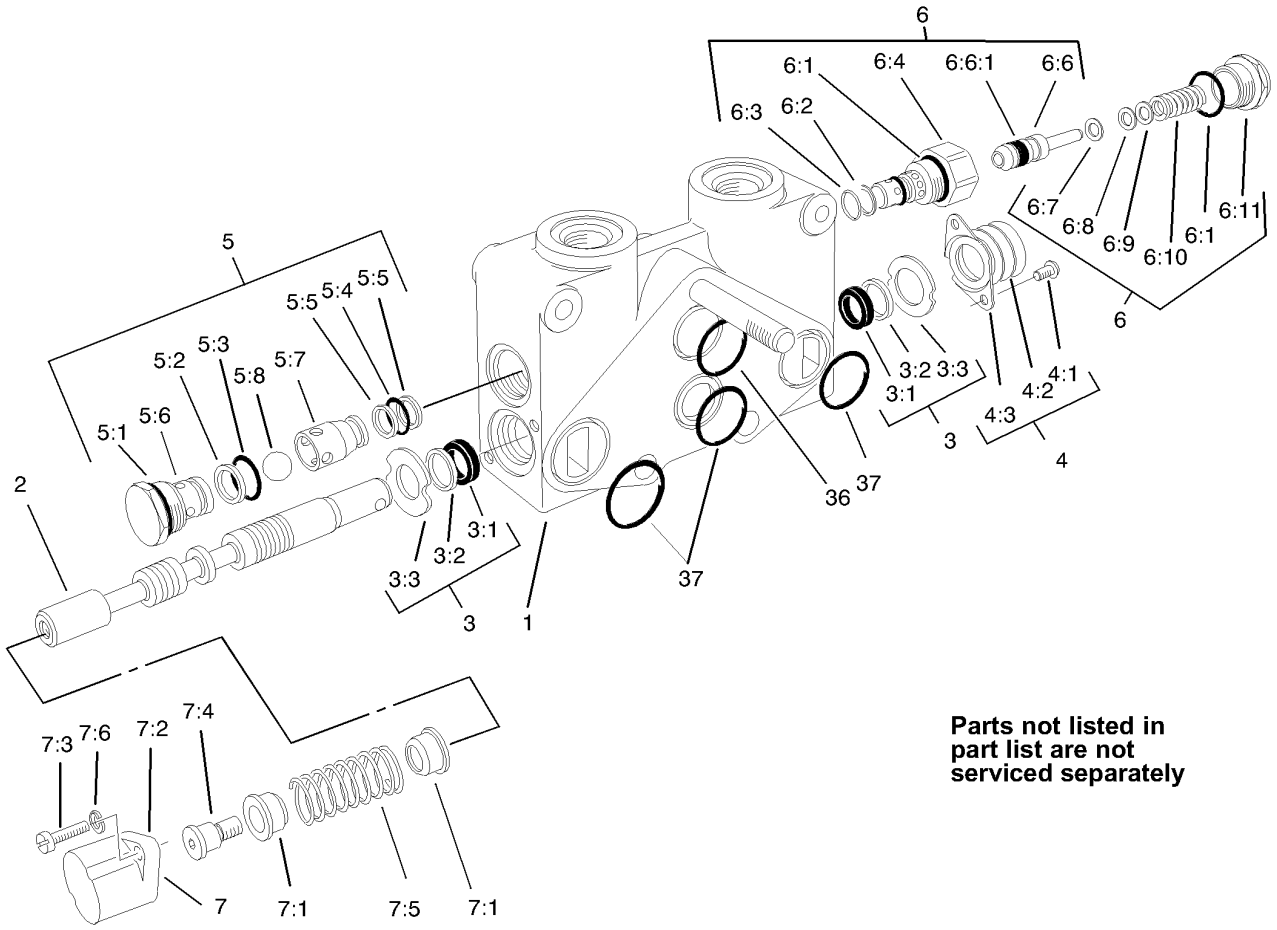


Parts not listed in part list are not serviced separately

Section 2 Assembly No. 105-3802

Ref	Part No.	Qty.	Description
❷1		1	Housing-V20t
❷2		1	Spool-V20
3	105-3806	1	Positioner
3:1	99-8181	1	Bonnet-R
3:2	3274-15	2	Screw-HSH
3:3	353-417	2	Collar-Stop
3:4	104-7741	1	Spring
3:5	354-29	1	Plate-Thrust
3:6	52-5880	12	Ball-Detent
3:7	42-2680	1	Race-Ball
3:8	104-7727	1	Spring-Detent
3:9	353-763	1	Cap-Adjustment
3:10	353-762	1	Spud-Out
4	353-481	1	Lift Check ASM
4:1	237-54	1	O-Ring
4:2	353-306	1	Washer-Backup
4:3	353-305	1	O-Ring
4:4	353-303	2	Washer-Backup
4:5	353-302	1	O-Ring
5	92-2548	2	Spool Set Kit
5:1	353-957	1	Cup-Seal
5:2	92-2546	1	Wiper-Seal
5:3	92-2547	1	Seal-Retainer
6	93-3652	1	Boot-Dust

Ref	Part No.	Qty.	Description
6:1	3274-52	2	Screw-HSH
6:2	353-575	1	Boot
6:3	93-3651	1	Retainer-Boot
7	353-642	1	Cartridge-Relief
7:1	237-54	2	O-Ring
7:2	353-306	1	Washer-Backup
7:3	353-305	1	O-Ring
7:4	353-851	1	Body-Relief
7:6	353-531	1	Poppet And Ring ASM
7:6:1	353-392	1	Ring-Piston
7:7	353-328	1	Shim (.040)
7:8	353-329	1	Shim (.020)
7:9	353-330	1	Shim (.010)
7:10	353-398	1	Spring
7:11	353-334	1	Cap-Relief
❷36		1	O-Ring
❷37		3	O-Ring

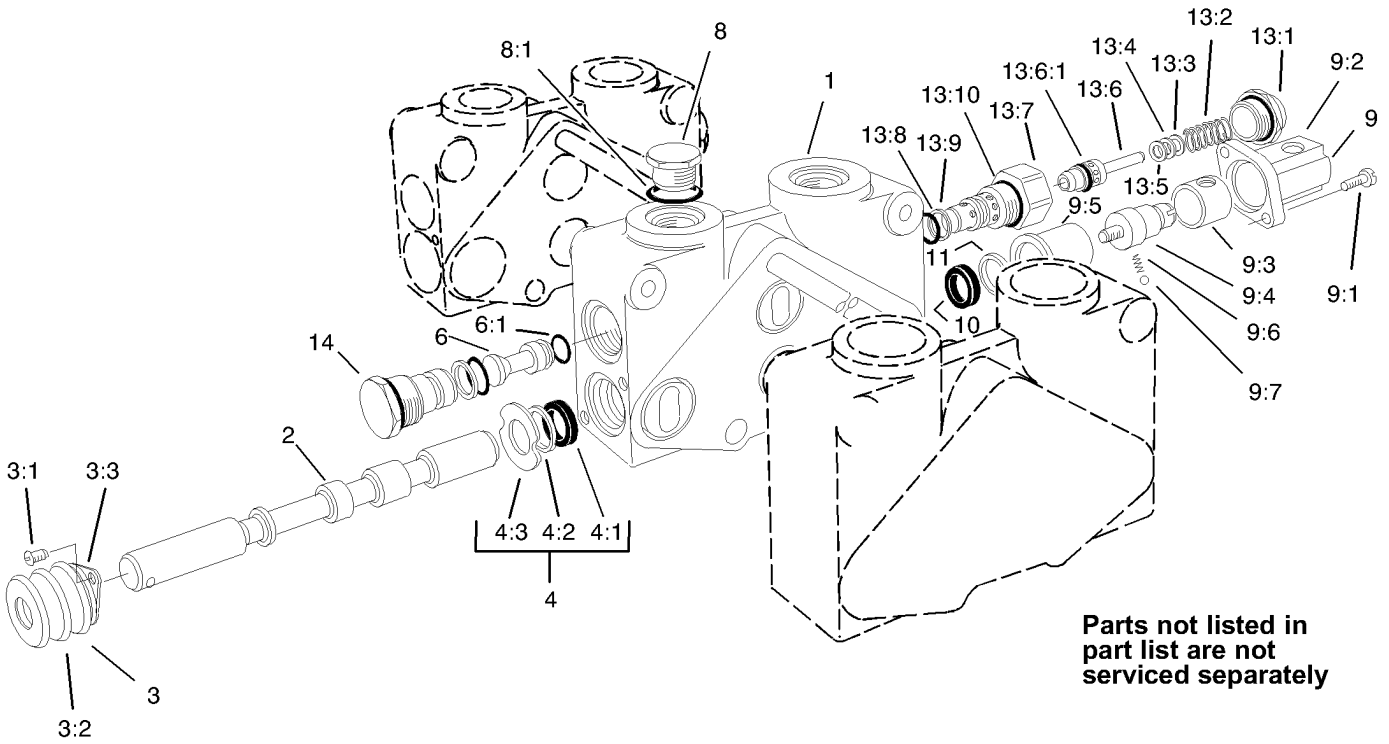


Parts not listed in part list are not serviced separately

Section 3 Assembly No. 105-3803

Ref	Part No.	Qty.	Description
❷1		1	Housing-V20t
❷2		1	Spool-V20
3	92-2548	2	Spool Set Kit
3:1	353-957	1	Cup-Seal
3:2	92-2546	1	Wiper-Seal
3:3	92-2547	1	Seal-Retainer
4	93-3652	1	Boot-Dust
4:1	3274-52	2	Screw-HSH
4:2	353-575	1	Boot
4:3	93-3651	1	Retainer-Boot
5	354-129	1	Anticavitation Check ASM
5:1	237-54	1	O-Ring
5:2	353-306	1	Washer-Backup
5:3	353-305	1	O-Ring
5:4	353-302	1	O-Ring
5:5	353-303	2	Washer-Backup
5:6	353-483	1	Body-Check
5:7	353-484	1	Return-Ball, Check
5:8	353-737	1	Ball-Check
6	353-642	1	Cartridge-Relief
6:1	237-54	2	O-Ring
6:2	353-306	1	Washer-Backup
6:3	353-305	1	O-Ring
6:4	353-851	1	Body-Relief

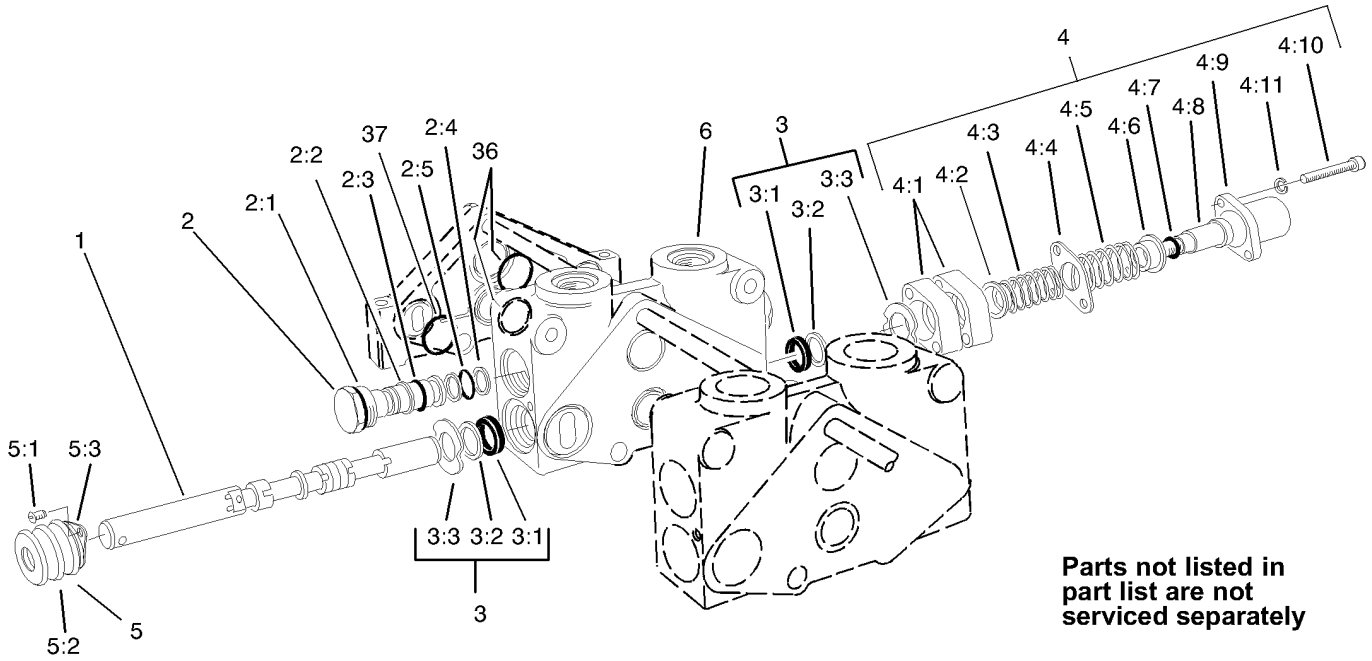
Ref	Part No.	Qty.	Description
6:6	353-531	1	Poppet And Ring ASM
6:6:1	353-392	1	Ring-Piston
6:7	353-328	1	Shim (.040)
6:8	353-329	1	Shim (.020)
6:9	353-330	1	Shim (.010)
6:10	353-398	1	Spring
6:11	353-334	1	Cap-Relief
7	105-3808	1	Positioner-Spring Return
7:1	353-417	2	Collar-Stop
7:2	99-6895	1	Bonnet
7:3	52-5900	2	Screw
7:4	52-5860	1	Collar-Spool
7:5	104-7741	1	Spring
7:6	3253-3	2	Washer-Lock
❷36		1	O-Ring
❷37		3	O-Ring



Section 4 Assembly No. 105-3804

Ref	Part No.	Qty.	Description
❷1		1	Housing-V20p
❷2		1	Spool-V20
3	93-3652	1	Boot-Dust
3:1	3274-52	2	Screw-HSH
3:2	353-575	1	Boot
3:3	93-3651	1	Retainer-Boot
4	92-2548	1	Spool Set Kit
4:1	353-957	1	Cup-Seal
4:2	92-2546	1	Wiper-Seal
4:3	92-2547	1	Seal-Retainer
6	353-844	1	Plug
6:1	353-850	1	O-Ring
8	353-550	1	Plug-HYD
8:1	237-79	1	O-Ring
9	353-840	1	Switch Positioner Bonnet ASM
9:1	52-5900	2	Screw
9:2	353-847	1	Bonnet
9:3	353-849	1	Sleeve
9:4	353-846	1	Spud
9:5	353-845	1	Sleeve-Detent
9:6	353-730	1	Spring
9:7	353-731	2	Ball
10	353-957	1	Cup-Seal
11	353-958	1	Washer

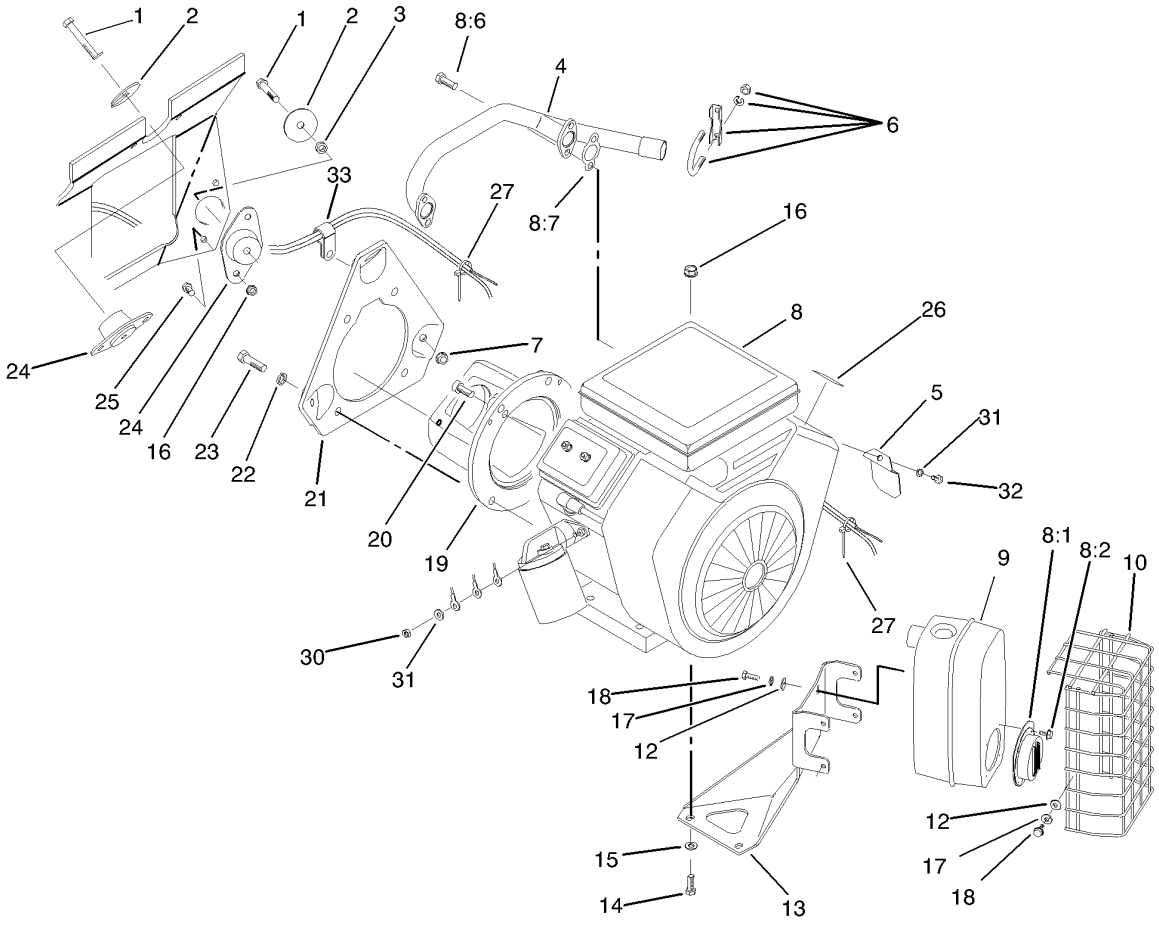
Ref	Part No.	Qty.	Description
13	354-140	1	Relief-Rcm
13:1	353-334	1	Cap-Relief
13:2	353-398	1	Spring
13:3	353-330	1	Shim (.010)
13:4	353-329	1	Shim (.020)
13:5	353-328	1	Shim (.040)
13:6	353-531	1	Poppet And Ring ASM
13:6:1	353-392	1	Ring-Piston
13:7	353-851	1	Body-Relief
13:8	353-305	1	O-Ring
13:9	353-306	1	Washer-Backup
13:10	237-54	2	O-Ring
14	353-953	1	Plug ASM



Section 5 Assembly No. 93-1386

Ref	Part No.	Qty.	Description
1	94-5434	1	Spool
2	353-481	2	Lift Check ASM
2:1	237-54	1	O-Ring
2:2	353-306	1	Washer-Backup
2:3	353-305	1	O-Ring
2:4	353-303	2	Washer-Backup
2:5	353-302	1	O-Ring
3	92-2548	2	Spool Set Kit
3:1	353-957	1	Cup-Seal
3:2	92-2546	1	Wiper-Seal
3:3	92-2547	1	Seal-Retainer
4	353-833	1	Positioner ASM
4:1	353-733	2	Spacer-Bonnet
4:2	353-417	1	Collar-Stop
4:3	353-831	1	Spring
4:4	353-529	1	Plate-Retainer, Seal
4:5	92-3148	1	Spring-Traction
4:6	353-808	1	Collar-Spring
4:7	353-830	1	O-Ring
4:8	94-4248	1	Collar-Spool
4:9	99-6895	1	Bonnet
4:10	354-28	2	Screw-HS
4:11	3253-4	2	Washer-Lock
5	93-3652	1	Boot-Dust

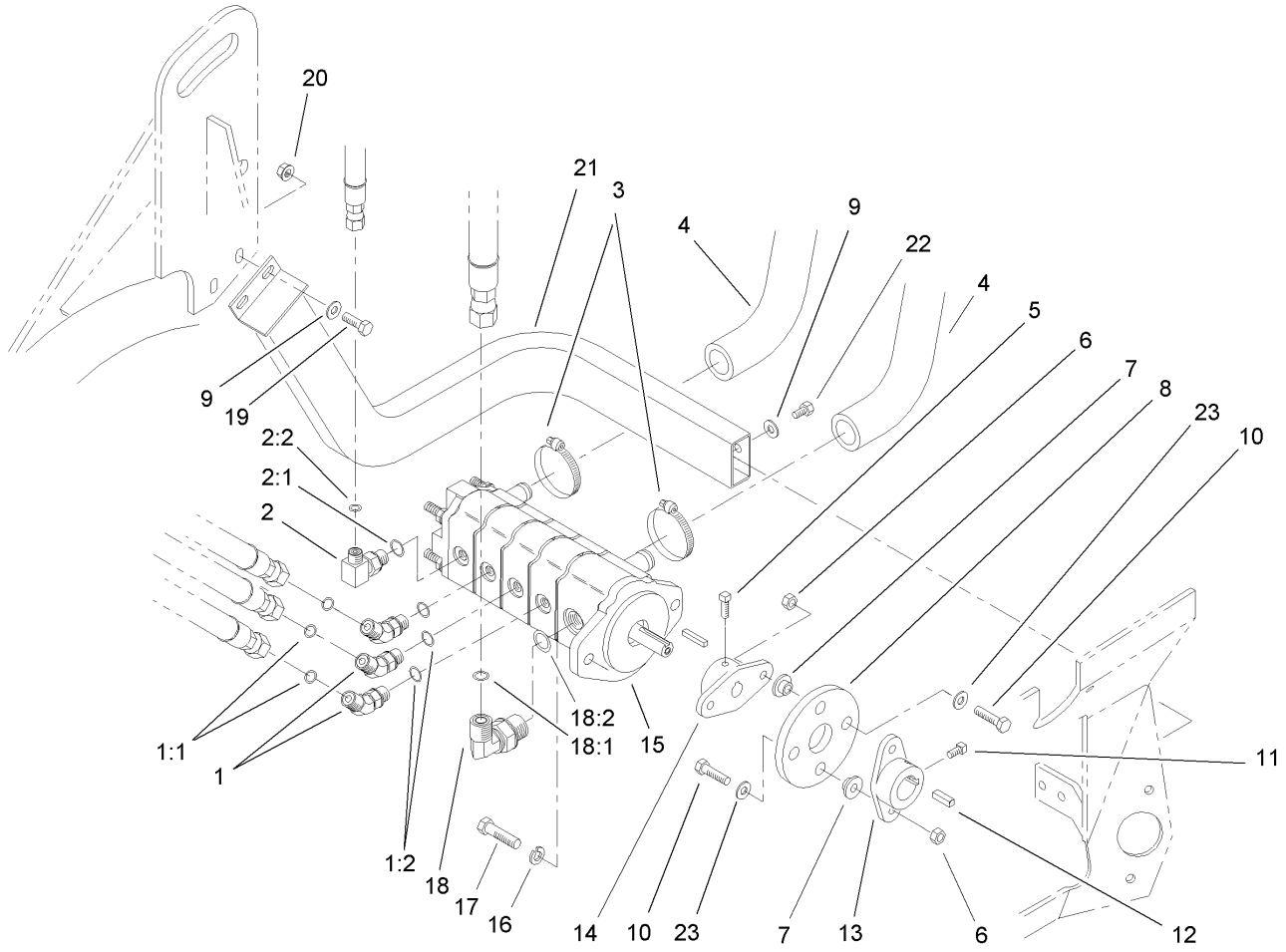
Ref	Part No.	Qty.	Description
5:1	3274-52	2	Screw-HSH
5:2	353-575	1	Boot
5:3	93-3651	1	Retainer-Boot
❷6		1	Housing-V20p
❷36		1	O-Ring
❷37		3	O-Ring



Engine Installation Assembly

Ref	Part No.	Qty.	Description
1	323-12	3	Screw-HH
2	83-1040	3	Washer-Flat
3	83-1050	2	Spacer
4	83-1080	1	Exhaust Manifold ASM
5	83-2310	1	Shield-Regulator
6	2112-11	1	Clamp-Muffler
7	3290-357	3	Nut-HHF
8	107-9525	1	Engine-18hp, Vanguard
❷8:1		1	Deflector-Exhaust
❷8:2		4	Screw-HH
❷8:6		4	Screw-HHF
❷8:7		2	Gasket-Manifold, Exhaust
9	98-0616	1	Muffler ASM
10	83-1400-03	1	Shield-Muffler
12	3256-1	8	Washer-Flat
13	83-1630-03	1	Bracket-Support, Muffler
14	322-8	2	Screw-HH
15	3256-23	2	Washer-Flat
16	32128-20	8	Nut-HF
17	3253-3	8	Washer-Lock
18	49-2040	8	Screw-Tapping
19	83-1060-03	1	Adapter-Pump
20	3274-7	2	Screw-HSH
21	85-8120-03	1	Plate-Mount, Engine

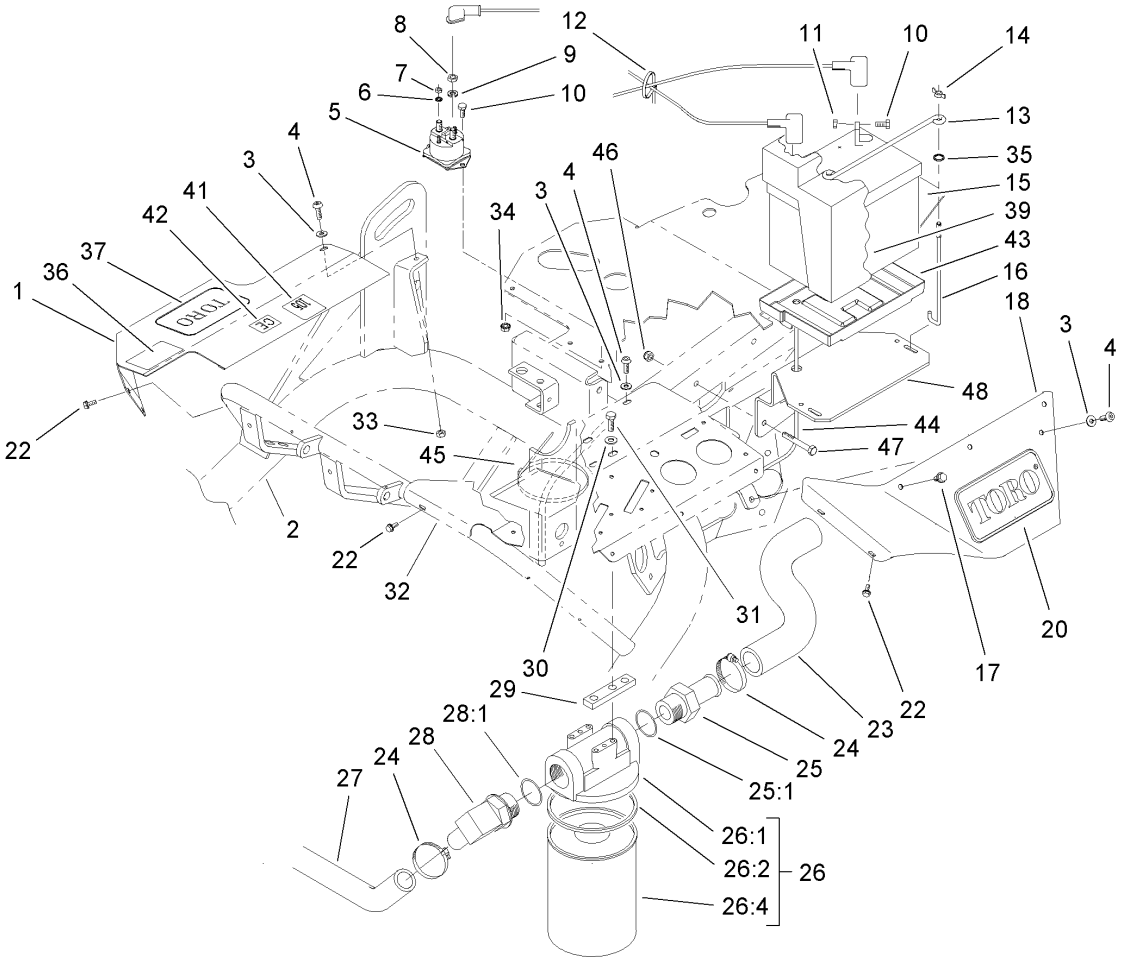
Ref	Part No.	Qty.	Description
22	3253-6	4	Washer-Lock
23	324-7	4	Screw-HH
24	83-1030	3	Mount-Engine
25	322-3	6	Screw-HH
26	93-8069	1	Decal-Surface, Hot
27	3290-379	2	Tie-Cable
30	43-2830	1	Nut-Hex
31	43-5930	2	Washer-Spring
32	33113-016	1	Screw-HH
33	2412-81	1	Clamp-R



Hydraulic Pump Installation Assembly

Ref	Part No.	Qty.	Description
1	340-87	3	Fitting-Hyd, 45 DEG
1:1	237-22	1	O-Ring
1:2	237-42	1	O-Ring
2	340-82	1	Adapter
2:1	237-42	1	O-Ring
2:2	237-21	1	O-Ring
3	2412-34	2	Clamp-Hose
4	95-5966	2	Hose-Pump Inlet
5	3241-6	2	Screw-SQH
6	3296-29	4	Nut-Lock, NI
7	27-6600	4	Spacer-Coupling
8	44-2230	1	Coupling-Rubber
9	3256-23	4	Washer-Flat
10	322-6	4	Screw-HH
11	3241-2	2	Screw-SQH
12	10-7070	1	Key-Square
13	27-1960	1	Hub-Engine
14	27-1970	1	Hub-Pump
15	107-2567	1	Pump-Gear, 5 Section
❶15:1	107-2568	1	Seal Kit
16	3253-21	2	Washer-Lock
17	323-7	2	Screw-HH
18	340-105	1	Fitting-Hyd, 90 DEG
18:1	237-80	1	O-Ring

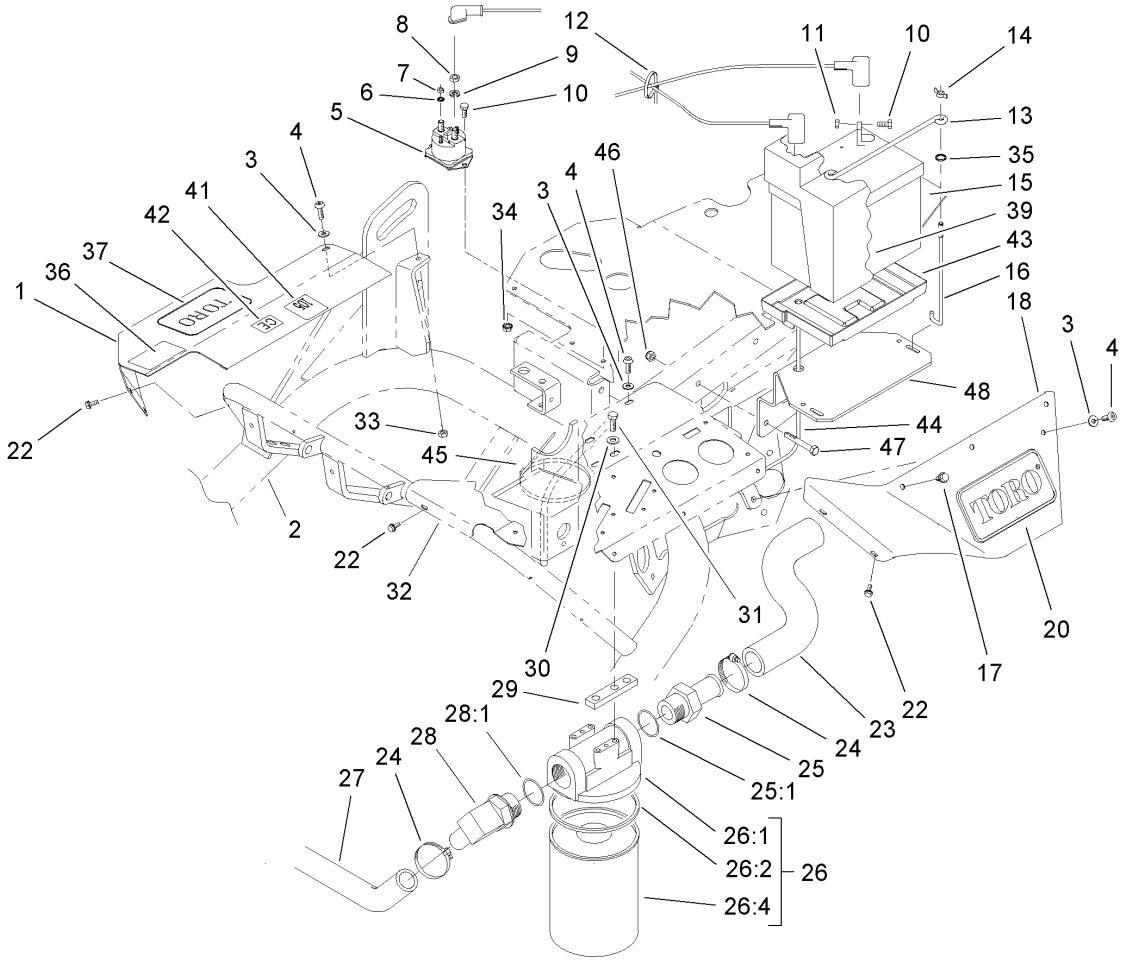
Ref	Part No.	Qty.	Description
18:2	237-30	1	O-Ring
19	322-4	2	Screw-HH
20	32128-20	2	Nut-HF
21	106-9077-01	1	Guard ASM
22	322-1	2	Screw-HH
23	3256-3	4	Washer-Flat



Frame Assembly

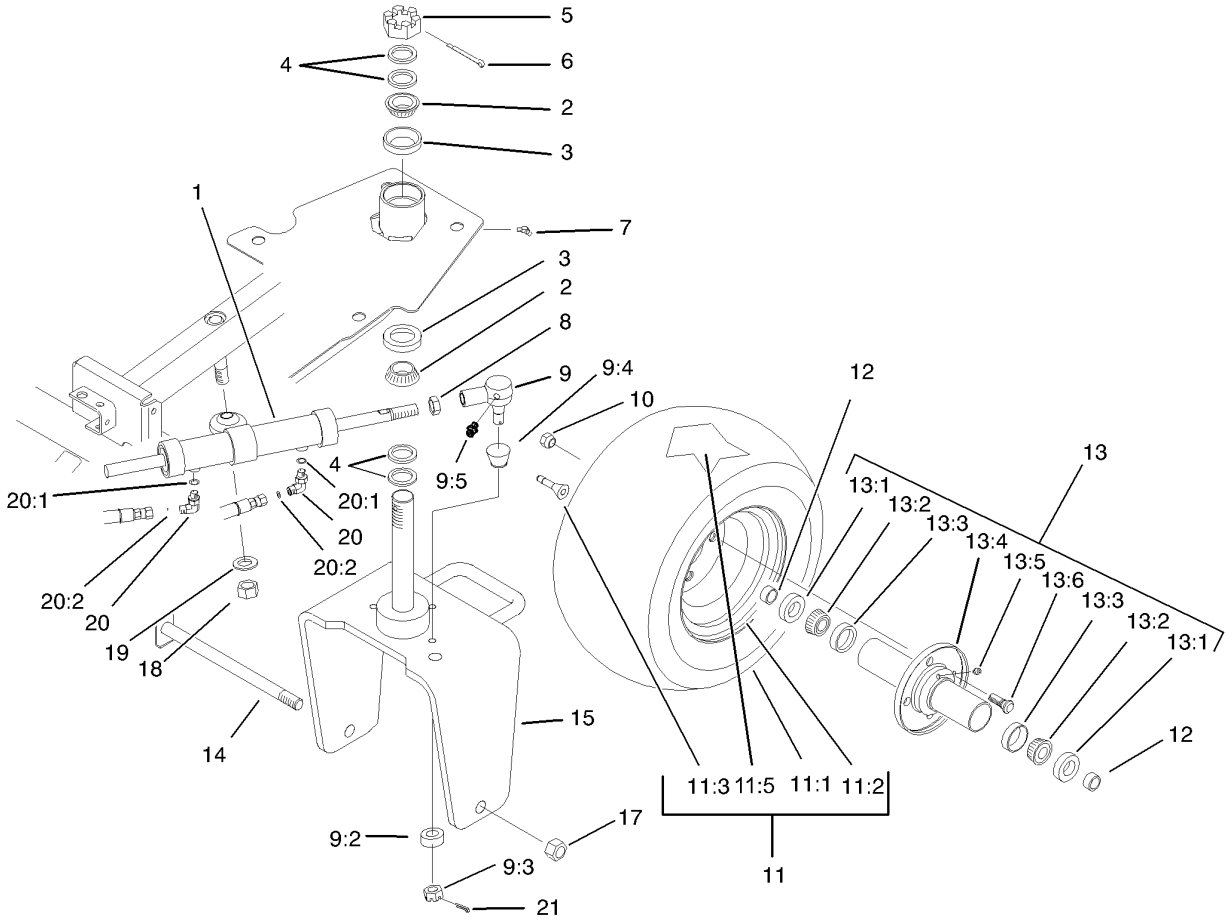
Ref	Part No.	Qty.	Description
1	94-2694-01	1	Cover-RH ASM
2	106-6365-01	1	Frame ASM
3	3256-1	3	Washer-Flat
4	3274-69	3	Screw-HSBH
5	28-4210	1	Solenoid
6	3254-1	2	Washer-Lock, Int
7	3219-14	2	Nut-Hex
8	3218-13	2	Nut-Jam
9	3253-4	2	Washer-Lock
10	321-3	4	Screw-HH
11	3217-5	2	Nut-Hex
12	3290-378	1	Tie-Cable
13	100-6434	1	Rod-Battery, Hold Down
14	32103-22	2	Nut-Wing
15	104-8162	1	Battery
16	100-6435	2	Post-Battery
17	46-8560	3	Screw-HHF
18	83-0840-01	1	Shield-Cover, Valve
20	105-9751	1	Decal
22	32104-116	5	Screw
23	95-7119	1	Hose-Line, Return
24	2412-34	3	Clamp-Hose
25	353-563	1	Fitting-Hyd, Straight
25:1	237-101	1	O-Ring

Ref	Part No.	Qty.	Description
❷26		1	Filter And Head ASM
26:1	44-5560	1	Head-Filter, Oil
26:2	72-3850	1	Seal-Filter, Oil
26:4	74-3570	1	Filter
27	68-5880	1	Hose-HYD
28	353-564	1	Fitting-90 DEG
28:1	237-101	1	O-Ring
29	27-2380	2	Spacer
30	3256-23	4	Washer-Flat
31	322-4	4	Screw-HH
32	83-0830-01	1	Panel-Control, Upper
33	3296-16	3	Nut-Lock, NI
34	32149-2	2	Nut-Keps
35	237-143	2	O-Ring
36	93-8065	1	Decal-Traction
37	67-1300	1	Decal
39	106-9062	1	Cover-Battery
41	105-4674	1	Decal-Noise
42	93-7252	1	Decal
43	106948	1	Tray-Battery
44	98-0601	1	Tube-Drain, Battery
45	3290-379	1	Tie-Cable
46	3296-29	2	Nut-Lock, NI
47	322-11	2	Screw-HH



Frame Assembly (continued)

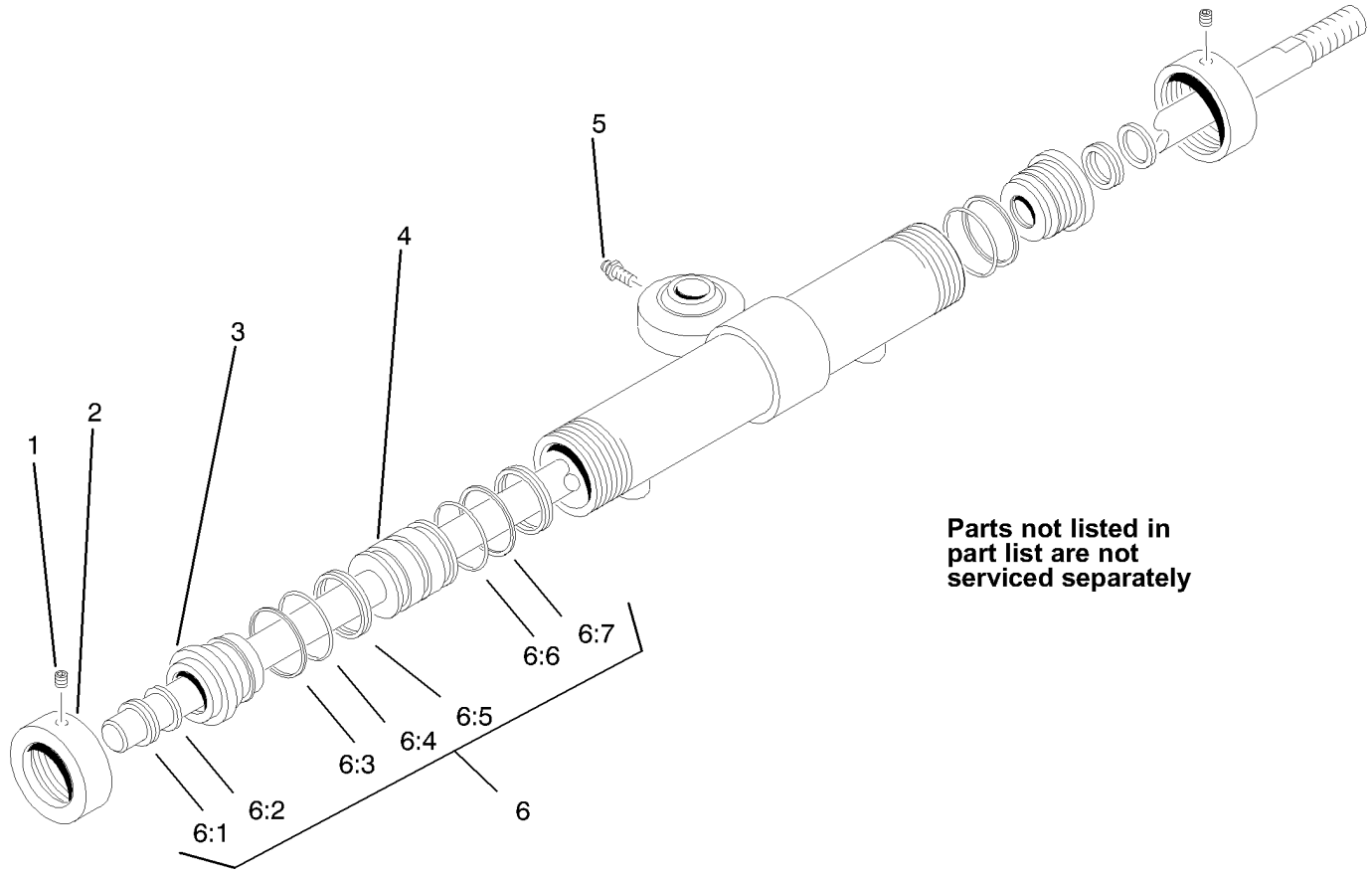
Ref	Part No.	Qty.	Description
48	104-2064-03	1	Battery Base ASM



Rear Wheel Assembly

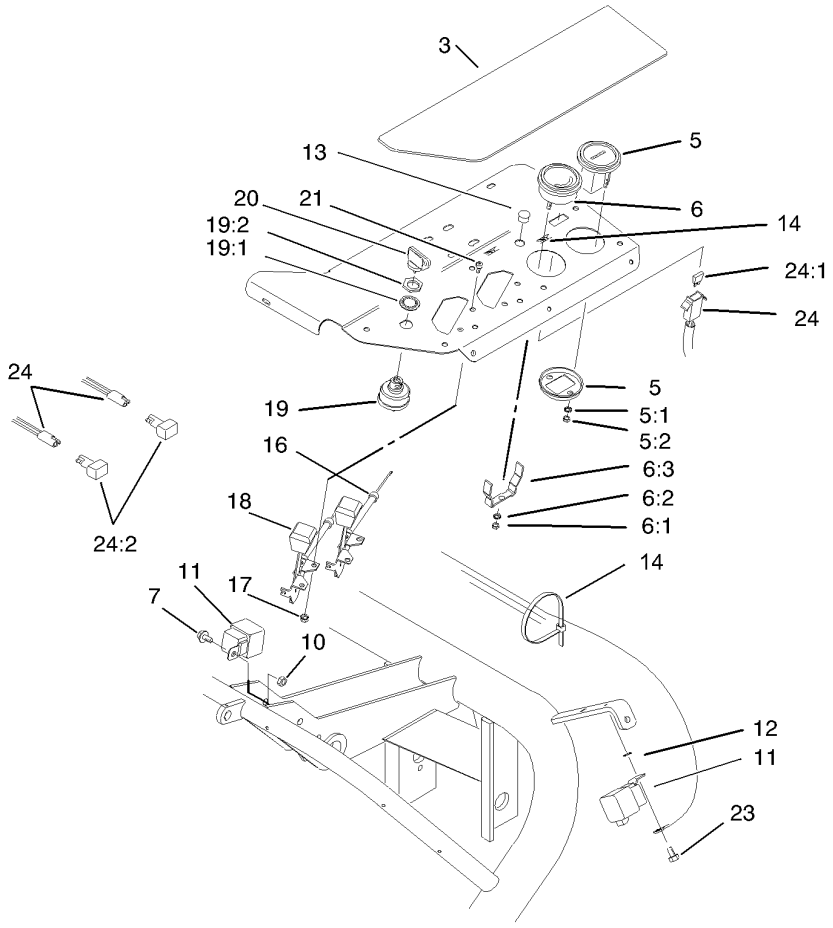
Ref	Part No.	Qty.	Description
1	83-2330	1	Cylinder-Steering
2	254-70	2	Bearing-Cone
3	254-61	2	Bearing-Cup
4	18-6320	4	Washer-Steering
5	32136-9	1	Nut-Hex, Slotted
6	3272-37	1	Pin-Cotter
7	302-11	1	Fitting-Lube, 45 DEG
8	84-5300	1	Nut-Jam
9	107-2553	1	Rod End ASM
9:2	98-2389	1	Spacer-Link, Pull
9:3	32136-2	1	Nut-SHH
9:4	106-6896	1	Seal
9:5	302-5	1	Fitting-Grease
10	242-50	4	Nut-Lug
❷11		1	Wheel & Tire ASM
11:1	28-3680	1	Tire
11:2	217-60	1	Rim
11:3	232-27	1	Stem-Valve
11:5	232-37	1	Tube
12	74-3730	2	Spacer-Spindle, Rear
13	72-9710	1	Hub-Tire
13:1	253-111	2	Seal-Oil
13:2	254-78	2	Bearing-Cone
13:3	254-79	2	Bearing-Roller, Cup

Ref	Part No.	Qty.	Description
13:4	75-9440	1	Hub ASM
13:5	302-11	1	Fitting-Lube, 45 DEG
13:6	10-6830	4	Stud-Type, Drive
14	5-3934	1	Bolt-Caster
15	95-5952-01	1	Fork-Castor ASM
17	3296-67	1	Nut-Lock NI
18	3217-12	1	Nut-Hex
19	3256-28	1	Washer-Flat
20	340-132	2	Fitting-Hyd, 90 DEG
20:1	237-78	1	O-Ring
20:2	237-21	1	O-Ring
21	3272-12	1	Pin-Cotter



Hydraulic Cylinder Assembly No. 83-2330

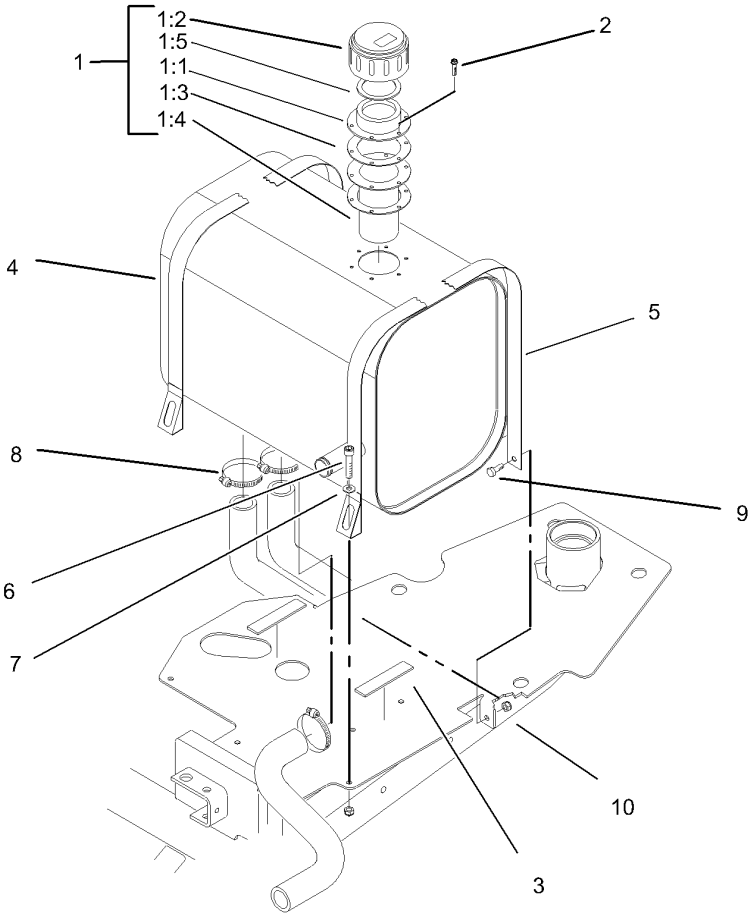
Ref	Part No.	Qty.	Description
1	3245-1	2	Screw-Set, HSH
❷2		2	Cap-Threaded
❷3		2	Cap-Head, Threaded
❷4		2	Rod ASM
5	302-5	1	Fitting-Grease
6	83-2380	1	Seal Repair Kit
❷6:1		2	Wiper-Rod
❷6:2		2	U-Cup-Double Lip
❷6:3		2	Ring-Back-Up
❷6:4		2	O-Ring
❷6:5		2	Ring-Wear
❷6:6		1	O-Ring
❷6:7		1	O-Ring



Control Panel Assembly

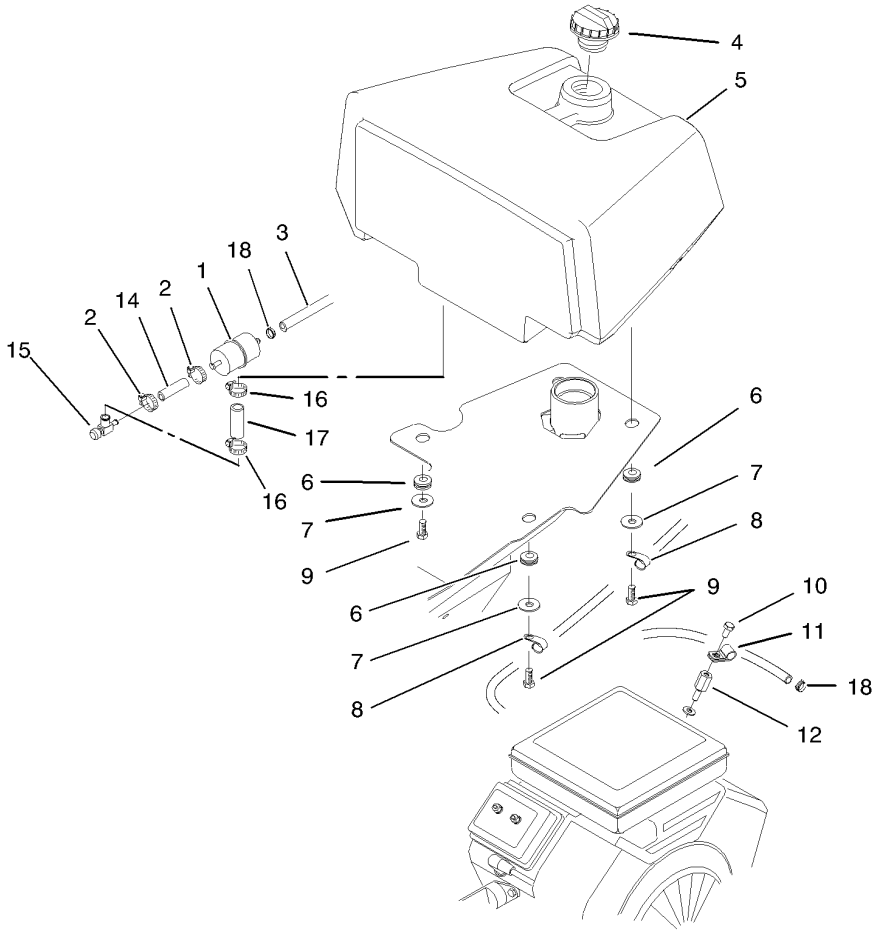
Ref	Part No.	Qty.	Description
3	107-2554	1	Decal-Panel, Control
5	66-2950	1	Gauge-Hourmeter
5:1	3255-20	2	Washer-Lock
5:2	3217-25	2	Nut-Hex
6	98-2160	1	Voltmeter
6:1	3217-27	1	Nut-Hex
6:2	3255-25	1	Washer-Lock
6:3	78-0080	1	Clamp-Mounting
7	321-4	1	Screw-HH
10	3296-16	1	Nut-Lock, NI
11	70-1480	2	Relay
12	3255-7	1	Washer-Lock/ext
13	2410-64	1	Plug-Button
14	3290-378	3	Tie-Cable
16	83-0040	1	Control-Choke
17	3296-12	4	Nut-Lock
18	83-0030	1	Control-Throttle
19	88-9830	1	Key Switch ASM
19:1	3254-5	1	Washer-Tooth
19:2	218-461	1	Nut-HH
20	63-8360	2	Key-Ignition
21	3290-134	4	Screw
23	32104-95	1	Screw-HWH
24	104-2058	1	Harness-Wire, Main

Ref	Part No.	Qty.	Description
24:1	218-578	1	Fuse-10 Amp
24:2	100-4918	2	Diode
❶24:3	106-2790	1	Link-Fusible
❶24:4	106-2791	1	Link-Fusible



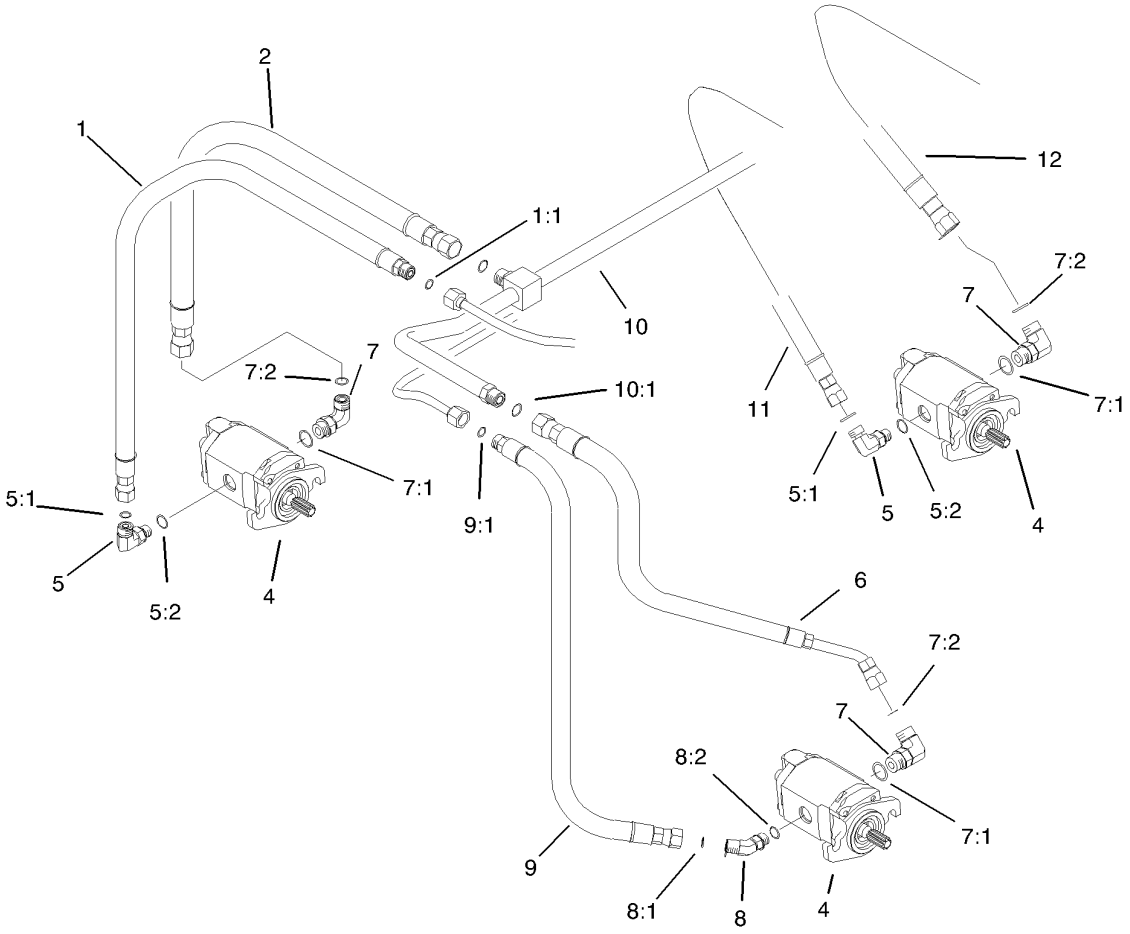
Hydraulic Reservoir Assembly

Ref	Part No.	Qty.	Description
1	62-2570	1	Filler Cap ASM
1:1	353-962	1	Cap ASM
1:2	353-961	1	Flange
1:3	353-963	2	Gasket
1:4	62-2610	1	Strainer-Cap, Filler
1:5	76-1720	1	Gasket-Cap, Filler
2	32144-34	6	Screw-Forming, Thread
3	95-5951	2	Strip-Seal
4	95-7118	1	Tank-Hydraulic
5	27-2400	2	Reservoir Strap ASM
6	3274-19	2	Screw-HSH
7	3256-22	2	Washer-Flat
8	2412-34	3	Clamp-Hose
9	321-3	2	Screw-HH
10	3296-16	4	Nut-Lock, NI



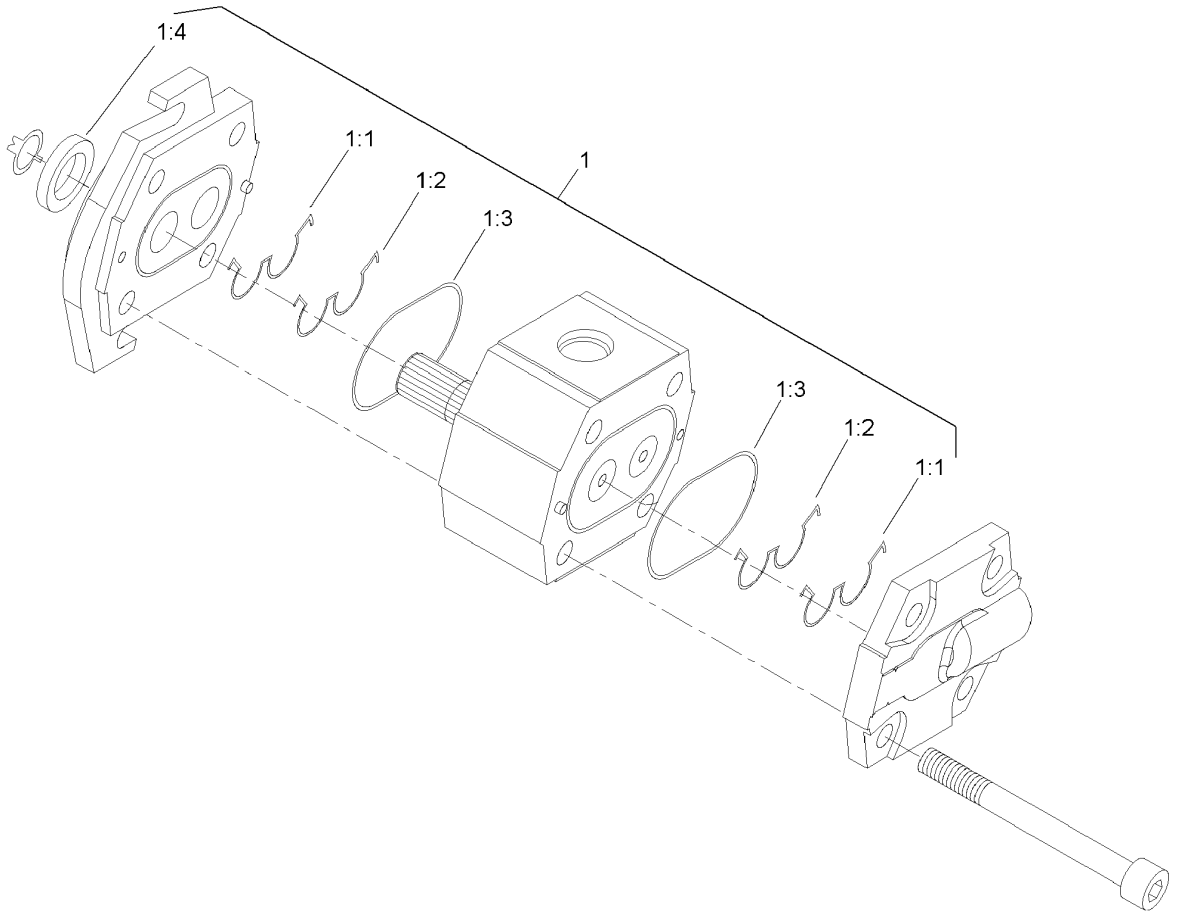
Fuel Tank Assembly

Ref	Part No.	Qty.	Description
1	94-2690	1	Filter-Fuel
2	2412-108	2	Clamp-Worm
3	83-2041	1	Hose-Fuel
4	93-7170	1	Cap-Fuel
5	105-8266	1	Tank-Fuel
6	240-11	4	Bushing-Flange
7	63-8410	4	Washer
8	2412-41	3	Clamp
9	323-6	4	Screw-HH
10	33113-012	1	Screw-HH
11	2412-94	1	Clamp
12	106-4616	1	Screw-Spacer
14	83-2040	1	Hose-Fuel
15	83-1390	1	Valve-Shut-Off, Fuel
16	2412-36	2	Clamp-Hose
17	56-2230	1	Hose-Fuel
18	2412-98	2	Clamp



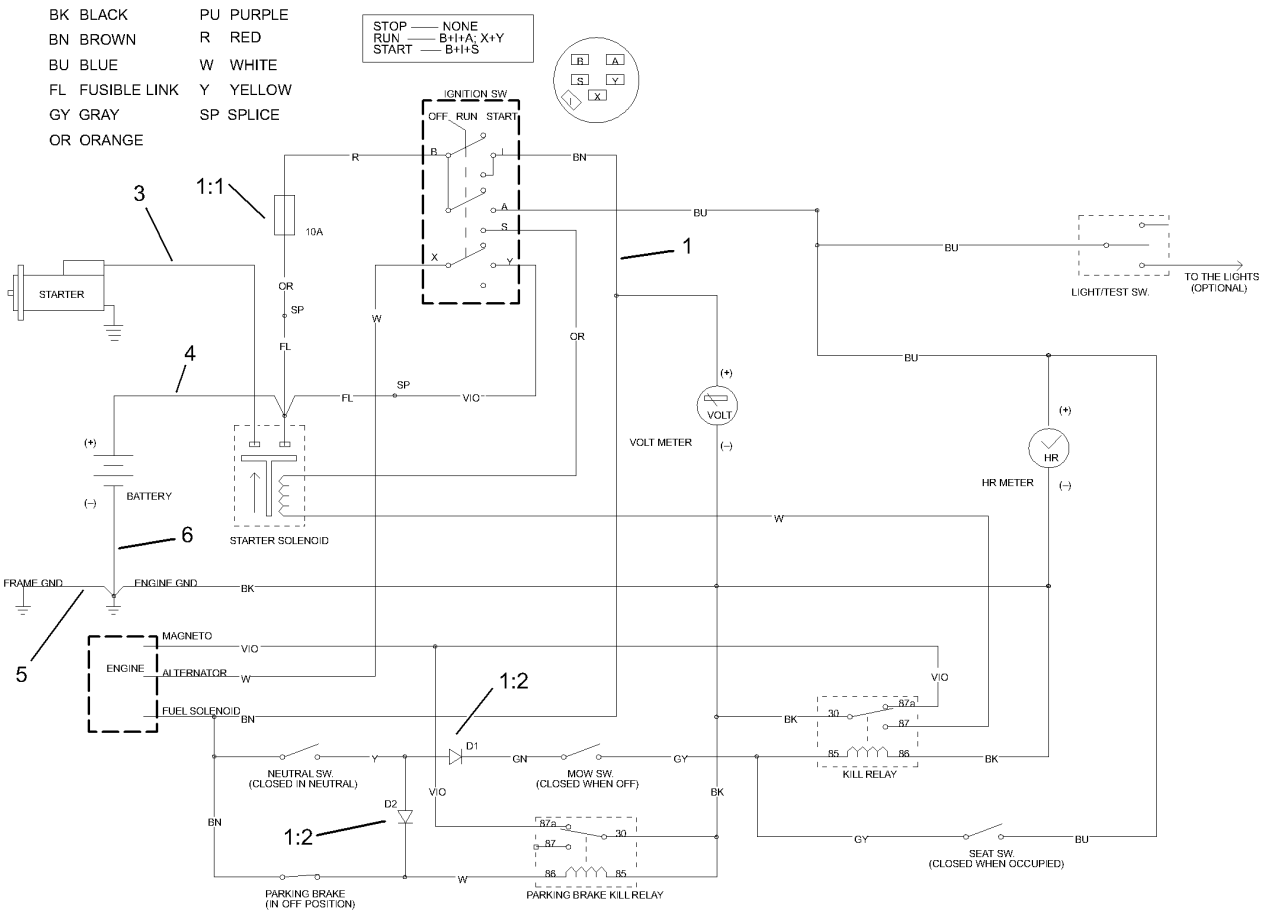
Reel Motor Installation Assembly

Ref	Part No.	Qty.	Description
1	95-5984	1	Hose-HYD
1:1	237-22	1	O-Ring
2	95-5985	1	Hose-HYD
4	105-9770	3	Motor-HYD
5	340-77	2	Fitting-Hyd, 90 DEG
5:1	237-22	1	O-Ring
5:2	237-42	1	O-Ring
6	95-5989	1	Hose-HYD
7	340-98	3	Fitting-Hyd, 90 DEG
7:1	237-79	1	O-Ring
7:2	237-30	1	O-Ring
8	340-87	1	Fitting-Hyd, 45 DEG
8:1	237-22	1	O-Ring
8:2	237-42	1	O-Ring
9	95-5988	1	Hose-HYD
9:1	237-22	1	O-Ring
10	100-6431	1	Tube-Return
10:1	237-30	2	O-Ring
11	95-5986	1	Hose-HYD
12	95-5987	1	Hose-HYD



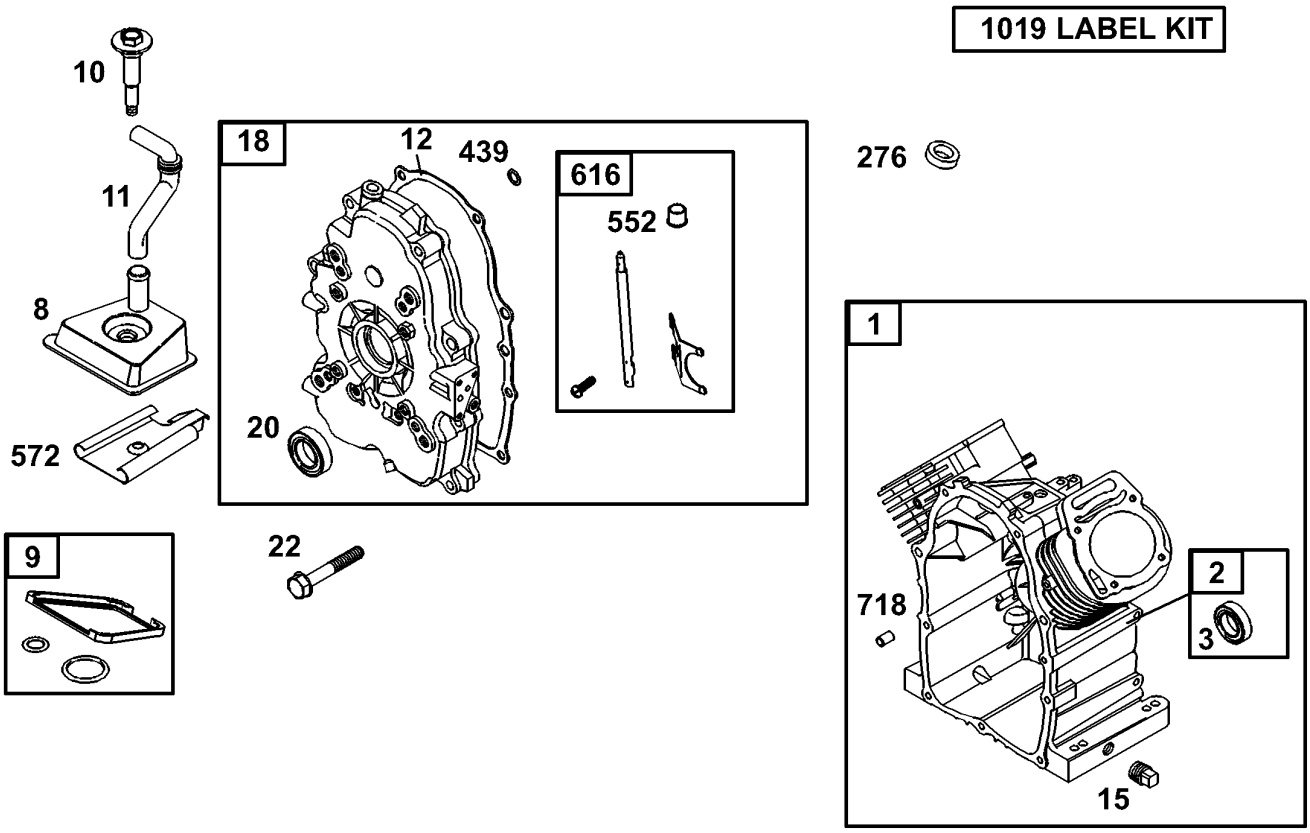
Hydraulic Motor Assembly No. 105-9770

Ref	Part No.	Qty.	Description
1	106-6362	1	Kit-Seal
❷1:1		2	Seal-Extrusion, Anti
❷1:2		2	Seal-Pressure Loading
❷1:3		2	O-Ring
❷1:4		1	Seal-Shaft



Electrical Schematic

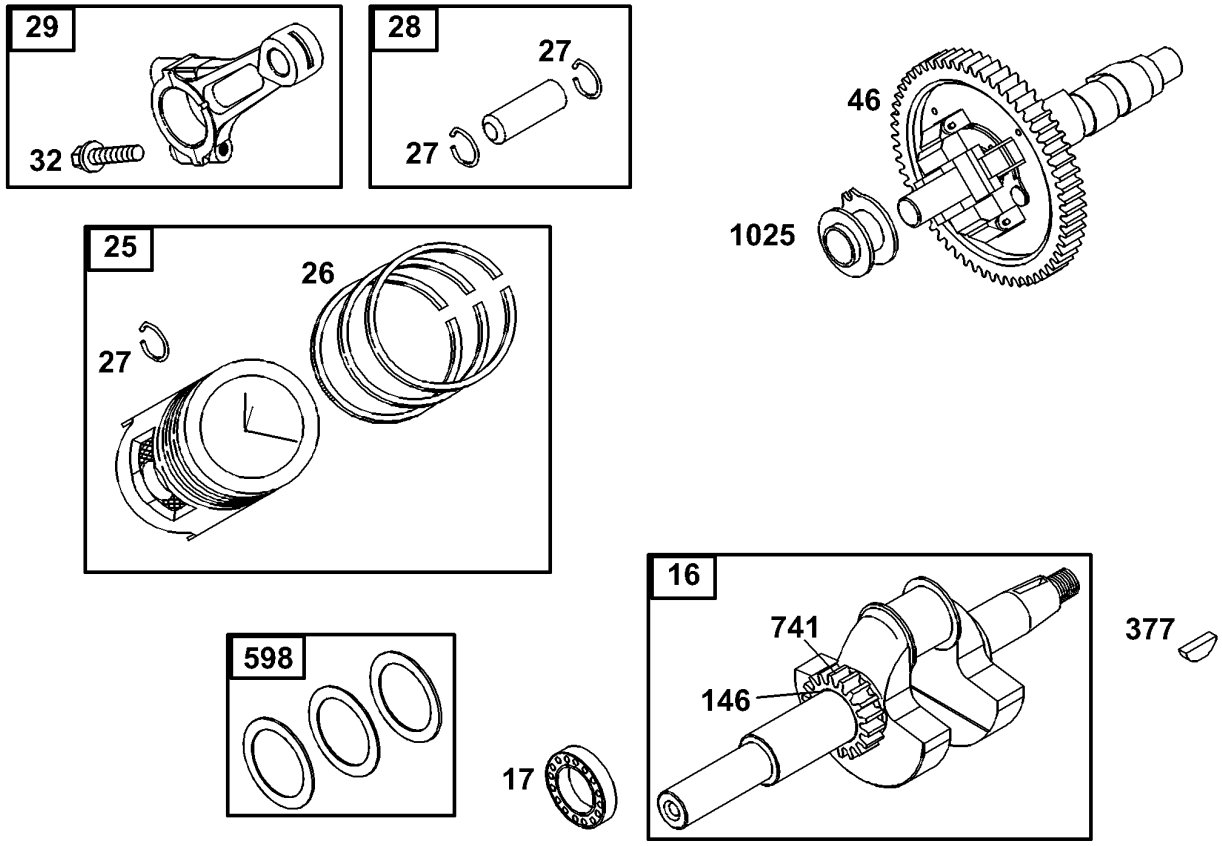
Ref	Part No.	Qty.	Description
1	104-2058	1	Harness-Wire, Main
1:1	218-578	1	Fuse-10 Amp
1:2	100-4918	2	Diode
❶1:3	106-2790	1	Link-Fusible
❶1:4	106-2791	1	Link-Fusible
3	98-2161	1	Cable-Battery, Positive
4	95-7144	1	Positive Cable ASM
❶4:2	28-8080	1	Boot-Terminal
❶4:3	83-2430	1	Boot-Terminal
5	83-1150	1	Engine Ground Wire ASM
6	98-0604	1	Negative Cable ASM
❶6:2	98-0603	1	Boot-Terminal



Assemblies include all parts shown in frames.

Cylinder Assembly
Briggs and Stratton 350447-1332-E1

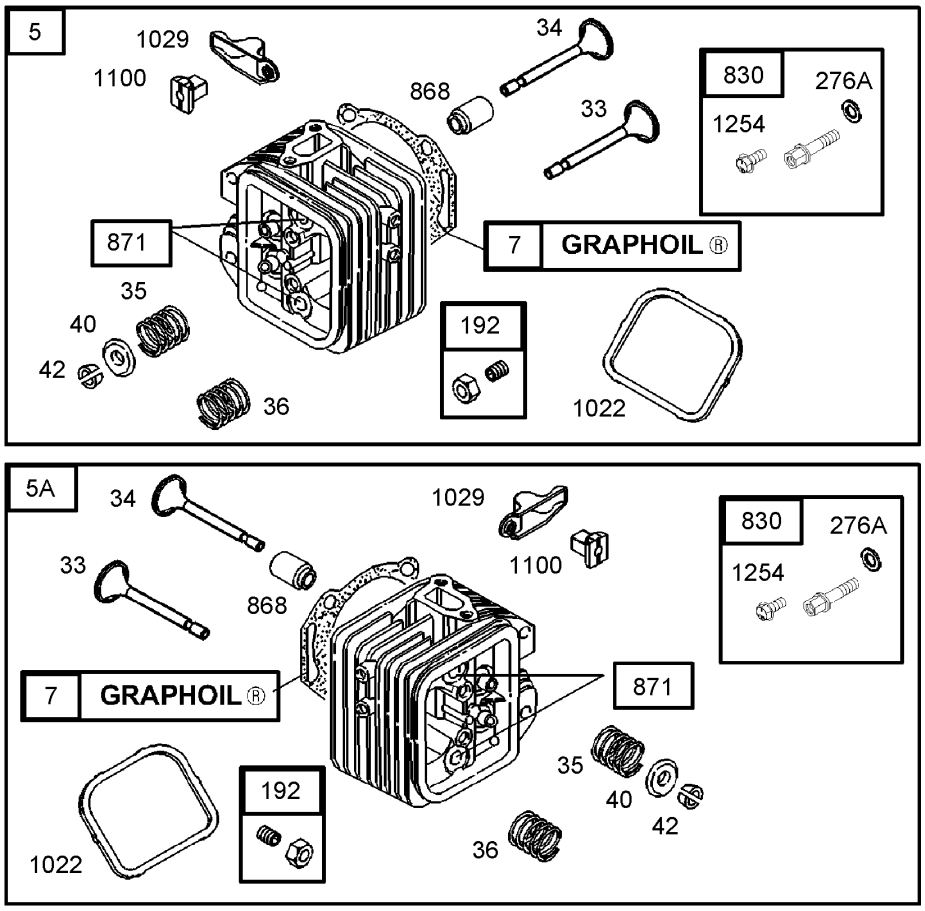
Ref	Part No.	Qty.	Description
❻1	692544	1	Cylinder ASM
❻2	808534	1	Bushing/seal Kit (Magneto Side)
❸❻3	805101	1	Seal–oil (Magneto Side)
❻8	808984	1	Breather ASM
❸❻9	809094	1	Gasket–breather
❻10	690751	1	Screw (Breather Asm)
❻11	806083	1	Tube-Breather
❸❻12	691684	1	Gasket–crankcase
❻15	690946	1	Plug–drain, Oil
❻18	808847	1	Cover–crankcase
❸❻20	805049	1	Seal–oil (Pto Side)
❻22	692540	1	Screw (Crankcase Cover)
❻276	690704	1	Washer–sealing
❸❻439	692154	1	Seal–o Ring (Crankcase Cover)
❻552	806686	1	Bushing–crank, Governor
❻572	690686	1	Baffle–breather
❻616	806685	1	Crank–governor
❻718	806469	1	Pin-Locating
❻1019	808036	1	Label Kit

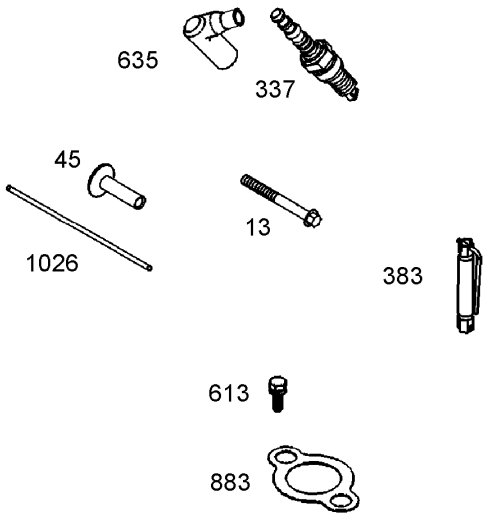


Assemblies include all parts shown in frames.

Crankshaft Assembly
Briggs and Stratton 350447-1332-E1

Ref	Part No.	Qty.	Description
❻16	692171	1	Crankshaft
❻17	690752	1	Bearing–ball
❻25	808326	1	Piston Assembly (Standard)
❻25	808336	1	Piston Assembly (.010 O.s.)
❻25	808337	1	Piston Assembly (.020 O.s.)
❻25	808338	1	Piston Assembly (.030 O.s.)
❻26	807889	1	Ring Set (Standard)
❻26	807994	1	Ring Set (.010 O.s.)
❻26	807995	1	Ring Set (.020 O.s.)
❻26	807996	1	Ring Set (.030 O.s.)
❻27	690683	1	Lock–pin, Piston
❻28	807886	1	Pin-Piston
❻29	807900	1	Rod–connecting (Standard)
❻29	807803	1	Pin-Piston (.020 U.s)
❻32	690698	1	Screw (Connecting Rod)
❻46	691557	1	Camshaft
❻146	691639	1	Key–timing
❻377	808095	1	Key–woodruff
❻598	807625	1	Shim–play, End
❻741	691530	1	Gear–timing
❻1025	690689	1	Spool–governor



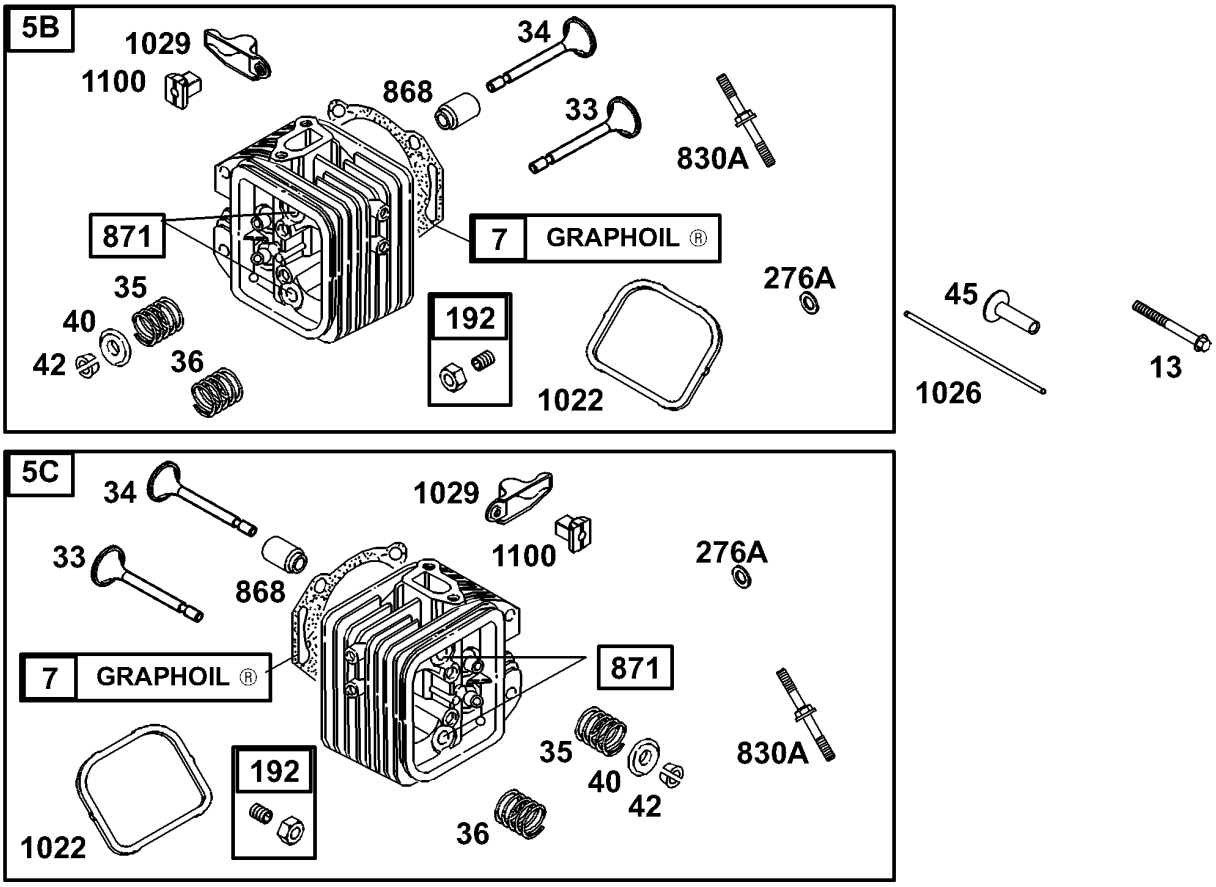


Assemblies include all parts shown in frames.

Cylinder Head Assembly No. 1
Briggs and Stratton 350447-1332-E1

Ref	Part No.	Qty.	Description
❻5	809185	1	Cylinder Head (No. 1)(Used After Date Code 01120200)
❻5A	809186	1	Cylinder Head (No. 2)(Used After Date Code 01120200)
❸❺7 ❻	690888	1	Gasket-Head, Cylinder
❻13	692059	1	Screw
❻33	807681	1	Valve–exhaust
❻34	807680	1	Valve–intake
❻35	692084	1	Spring–valve
❻36	692084	1	Spring–valve
❻40	692058	1	Retainer–valve
❻42	807683	1	Keeper–valve
❻45	690977	1	Valve Tappet
❻192	807623	1	Adjuster–arm, Rocker
❻276A	807085	1	Washer–sealing
❻337	496018	1	Plug–spark
❻383	19374	1	Wrench-Spark Plug
❻613	691902	1	Screw (Exhaust Muffler)
❻635	692076	1	Boot-Spark Plug
❻830	809157	1	Stud–arm, Rocker
❻868	691963	1	Seal–valve
❻871	692057	1	Bushing–guide, Valve
❻883	691613	1	Gasket–exhaust

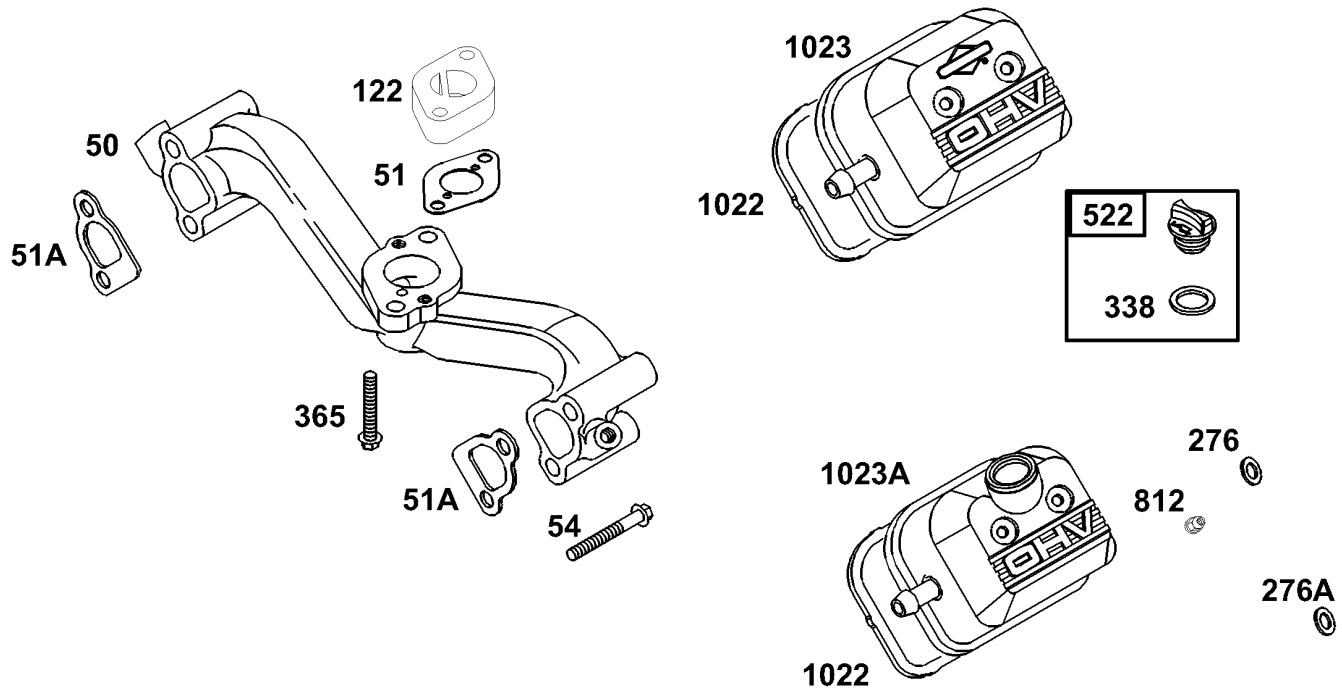
Ref	Part No.	Qty.	Description
❸❺1022 ❻	806039	1	Gasket–cover, Rocker
❻1026	691836	1	Rod–push
❻	691758	1	Rod–push
❻1029	691543	1	Arm-Rocker
❻1100	690973	1	Pivot–arm, Rocker
❻1254	807084	1	Screw



Assemblies include all parts shown in frames.

Cylinder Head Assembly No. 2
Briggs and Stratton 350447-1332-E1

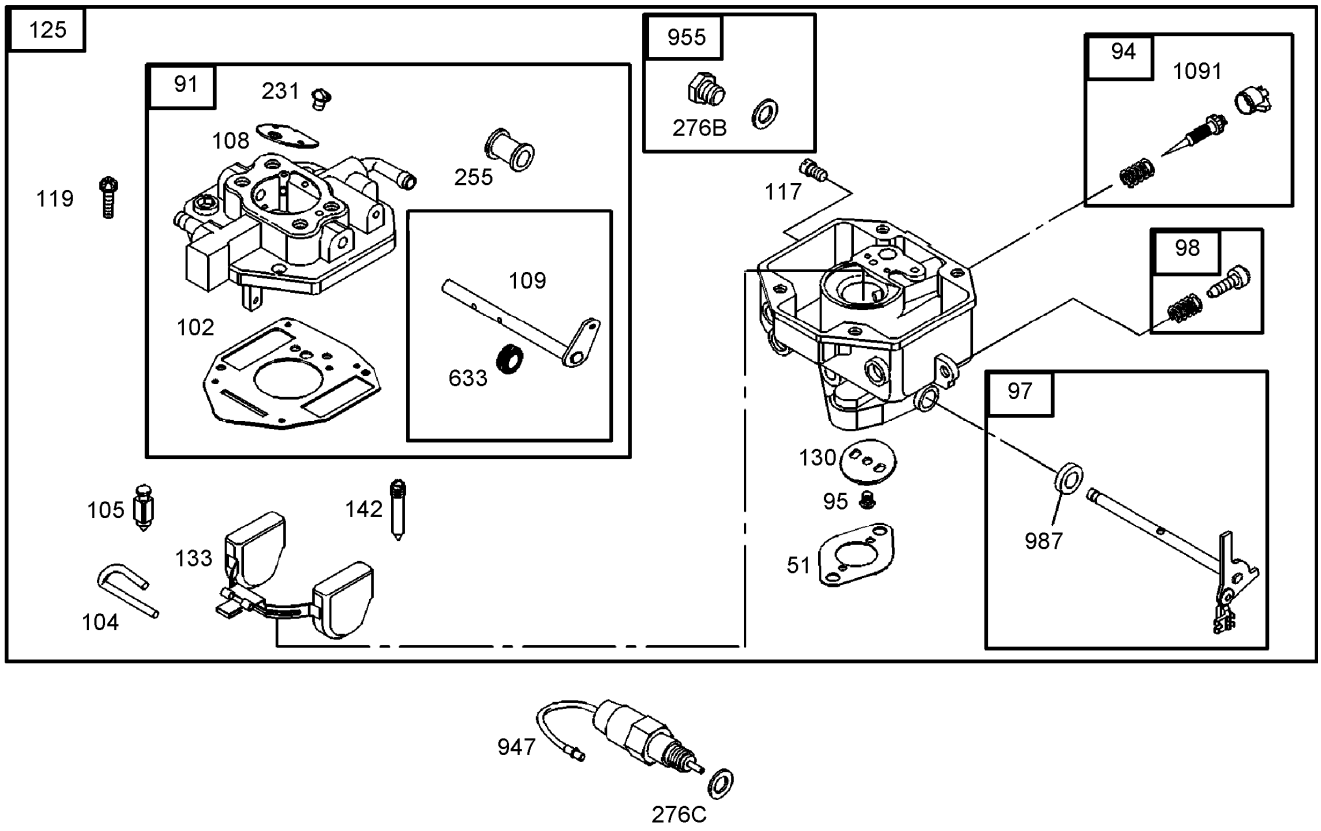
Ref	Part No.	Qty.	Description
❻5B	808383	1	Cylinder Head (No. 1)
❻5C	808384	1	Cylinder Head (No. 2)
❸❺7 ❻	690888	1	Gasket-Head, Cylinder
❻13	692059	1	Screw (Cylinder Head)
❻33	807681	1	Valve–exhaust
❻34	807680	1	Valve–intake
❻35	692084	1	Spring–valve (Intake)
❻36	692084	1	Spring–valve (Exhaust)
❻40	692058	1	Retainer–valve
❻42	807683	1	Keeper–valve
❻45	690977	1	Valve Tappet
❻192	807623	1	Adjuster–arm, Rocker
❻276A	691766	1	Sealing Washer
❻830A	691544	1	Stud-Rocker Arm
❻868	691963	1	Seal–valve
❻871	692057	1	Bushing–guide, Valve
❸❺1022 ❻	806039	1	Gasket–cover, Rocker
❻1026	691836	1	Rod–push (Intake)
❻	691758	1	Rod–push (Exhaust)
❻1029	691543	1	Arm-Rocker
❻1100	690973	1	Pivot–arm, Rocker



Assemblies include all parts shown in frames.

Intake Manifold and Rocker Cover Assembly
Briggs and Stratton 350447-1332-E1

Ref	Part No.	Qty.	Description
❻50	690754	1	Manifold–intake
❸❻51	691694	1	Gasket-Intake
❸❺51A ❻	692035	1	Gasket–intake
❻54	690676	1	Screw (Intake Manifold)
❻122	690691	1	Spacer–carburetor
❻276	807085	1	Washer–sealing
❻276A	691766	1	Sealing Washer
❻338	691312	1	Gasket–dipstick
❻365	690711	1	Screw (Carburetor)
❻522	491832	1	Plug–dipstick/fill
❻812	692055	1	Nut (Air Cleaner)
❸❺1022 ❻	806039	1	Gasket–cover, Rocker
❻1023	691494	1	Cover-Valve
❻1023A	690910	1	Cover-Valve

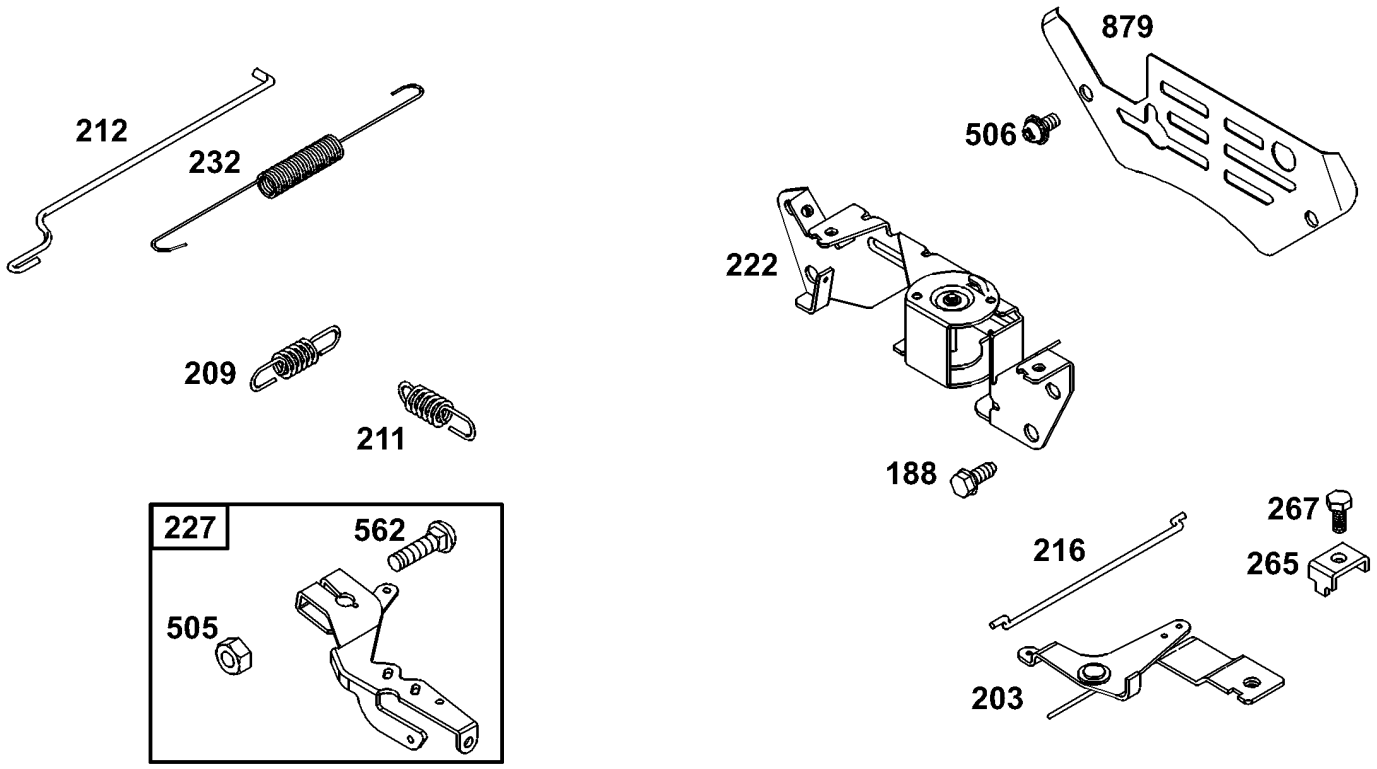


Assemblies include all parts shown in frames.

Carburetor Assembly
Briggs and Stratton 350447-1332-E1

Ref	Part No.	Qty.	Description
❸❻51	691694	1	Gasket-Intake
❻91	809208	1	Upper Carburetor Body ASM
❹❻94	808257	1	Idle Mixture Kit
❹❻95	690718	1	Screw (Throttle Valve)
❻97	808973	1	Throttle Shaft Kit
❻98	808981	1	Idle Speed Kit
❹❻102	692077	1	Gasket–body, Carburetor
❹❻104	690723	1	Pin–hinge, Float
❹❻105	692078	1	Valve–needle, Float
❻108	690719	1	Valve–choke
❻109	809096	1	Shaft-Choke
❹❻117	808406	1	Jet-Main (Standard)
❻119	690720	1	Screw (Upper To Lower Body)
❻125	809209	1	Carburetor
❻130	690726	1	Valve–throttle
❻133	806961	1	Float–carburetor
❹❻142	690725	1	Nozzle-Carburetor
❹❻231	690718	1	Screw (Throttle Valve)
❹❻255	690721	1	Bushing-Choke Shaft
❹❻276B	690724	1	Seal–o Ring (Carburetor Plug)
❻276C	806137	1	Washer–sealing
❹❻633	690722	1	Seal–shaft, Choke/throttle
❻947	692094	1	Solenoid–fuel
❻955	807723	1	Plug–carburetor

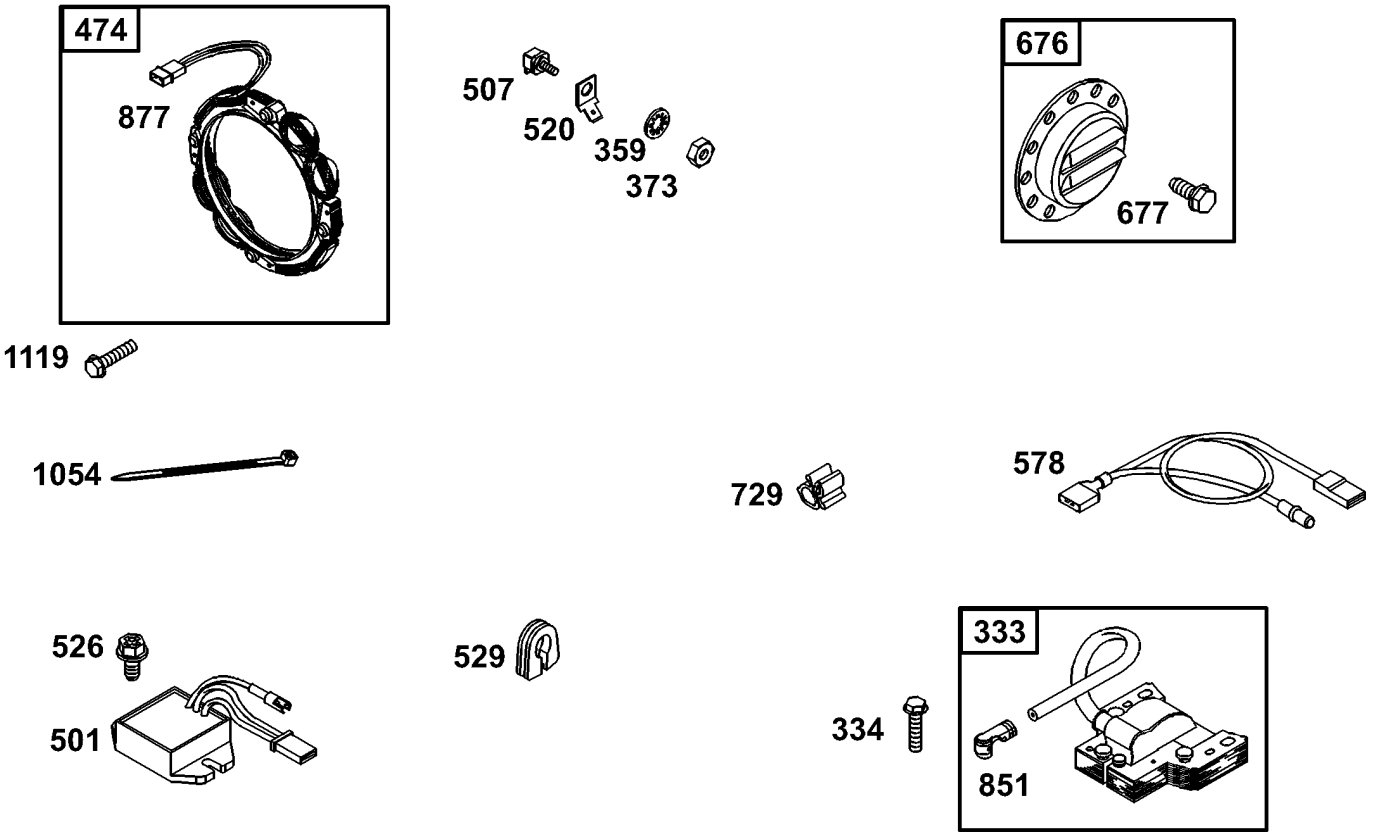
Ref	Part No.	Qty.	Description
❹❻987	806131	1	Seal–shaft, Choke/throttle
❹❻1091	691516	1	Cap–limiter



Assemblies include all parts shown in frames.

Governor Assembly
Briggs and Stratton 350447-1332-E1

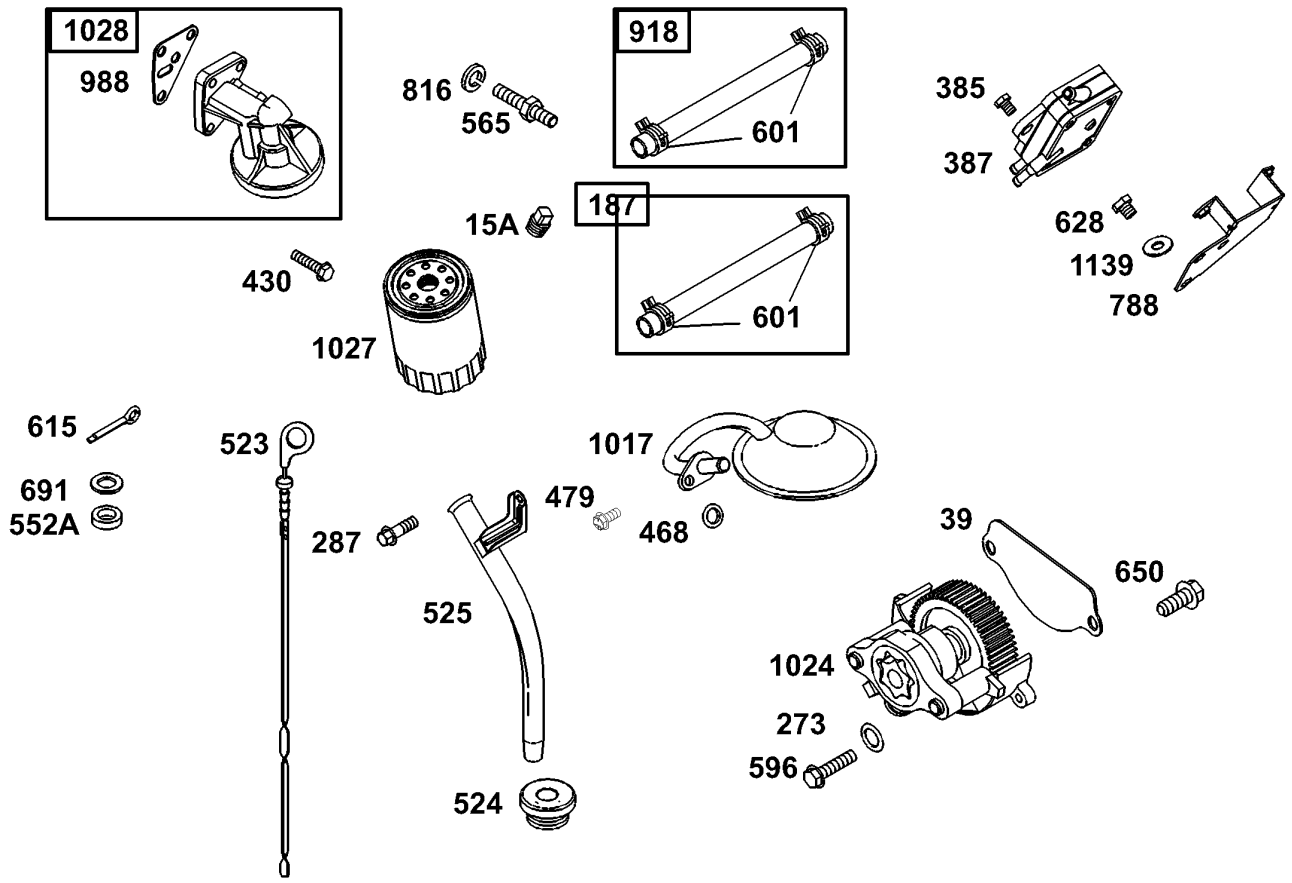
Ref	Part No.	Qty.	Description
❻188	692056	1	Screw (Blower Housing)
❻203	690923	1	Crank-Bell
❻209	806872	1	Spring-Governor
❻211	806868	1	Spring-Idle, Governed
❻212	690712	1	Link–throttle
❻216	690705	1	Link-Choke
❻222	808454	1	Bracket-Control
❻227	690236	1	Lever–control, Governor
❻232	692073	1	Spring–link, Governor
❻265	691024	1	Clamp–casing
❻267	692083	1	Screw (Casing Clamp)
❻505	690238	1	Nut (Governor Control Lever)
❻506	690677	1	Screw
❻562	690239	1	Bolt (Governor Control Lever)
❻879	690757	1	Cover-Carburetor



Assemblies include all parts shown in frames.

Alternator Assembly
Briggs and Stratton 350447-1332-E1

Ref	Part No.	Qty.	Description
❻333	492341	1	Armature–magneto
❻334	692066	1	Screw (Magneto Armature)
❻359	691077	1	Washer (Ground Terminal)
❻373	691612	1	Nut (Ground Terminal)
❻474	696458	1	Alternator
❻501	691185	1	Regulator
❻507	691972	1	Insulator
❻520	691084	1	Terminal–ground
❻526	692067	1	Screw (Ignition Module)
❻529	690744	1	Grommet
❻578	692319	1	Wire ASM
❻676	397630	1	Deflector-Exhaust
❻677	690661	1	Screw (Muffler Guard)
❻729	690586	1	Clip–wire
❻851	493880	1	Terminal-Sparkplug
❻877	399916	1	Wire/connector–alternator
❻1054	280275	1	Tie–cable
❻1119	691552	1	Screw

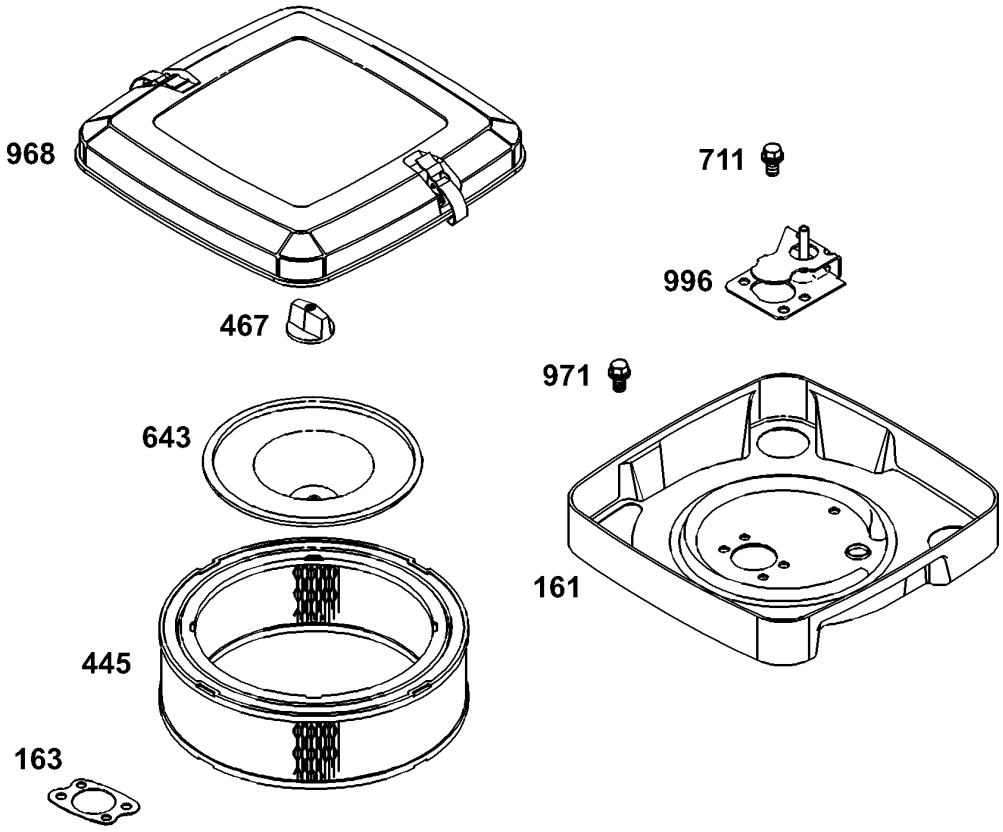


Assemblies include all parts shown in frames.

Fuel Pump, Oil Pump and Dipstick Assembly
Briggs and Stratton 350447-1332-E1

Ref	Part No.	Qty.	Description
❻15A	690283	1	Plug–oil
❻39	690745	1	Deflector–oil
❻187	691050	1	Fuel Line (Cut To Required Length)
❸❻273	690681	1	Seal–o Ring (Oil Pump)
❻287	692062	1	Screw (Dipstick Tube)
❻385	693169	1	Screw (Fuel Pump)
❻387	808969	1	Pump-Fuel
❻430	690679	1	Screw (Oil Filter Adapter)
❸❻468	690690	1	Seal–o Ring (Oil Pump Screen)
❻479	807084	1	Screw (Rocker Arm Stud)
❻523	693175	1	Dipstick
❻524	693172	1	Seal–tube, Dipstick
❻525	693174	1	Tube-Dipstick
❻552A	690701	1	Bushing–crank, Governor
❻565	690682	1	Stud (Oil Filter Adapter)
❻596	691492	1	Screw (Oil Pump)
❻601	691038	1	Clamp–hose
❻615	691550	1	Retainer–shaft, Governor
❻628	692062	1	Screw (Dipstick Tube)
❻650	692539	1	Screw (Cylinder Head Cover)
❻691	690680	1	Seal–shaft, Governor
❻788	691559	1	Bracket–pump, Fuel
❻816	690706	1	Washer (Oil Filter Adapter)

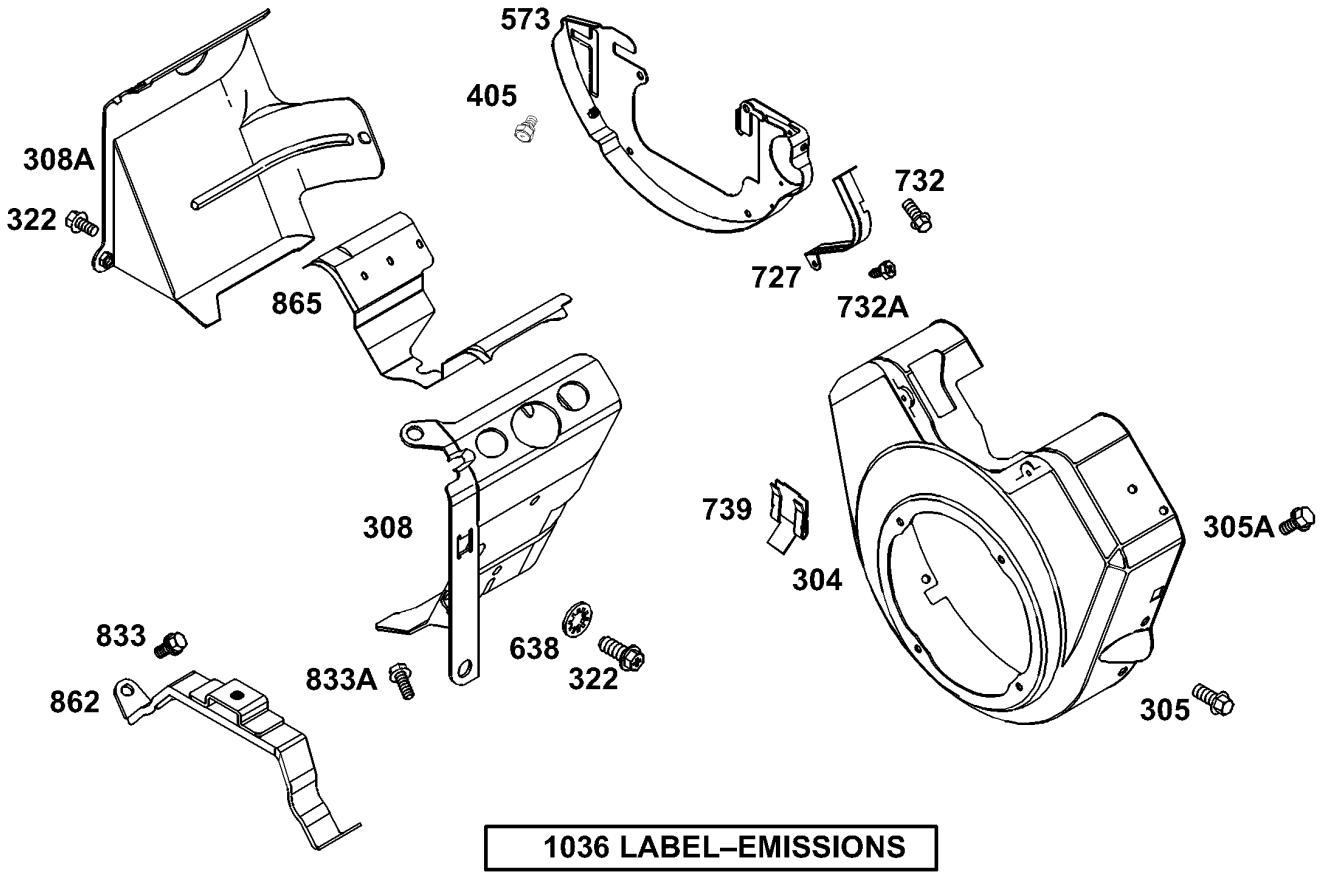
Ref	Part No.	Qty.	Description
❻918	393815	1	Line–vacuum (Cut To Required Length)
❸❻988	692063	1	Gasket–adapter, Oil Filter
❻1017	690900	1	Screen–pump, Oil
❻1024	693185	1	Pump–oil
❻1027	492932	1	Filter–oil
❻1028	808235	1	Adapter–filter, Oil
❻1139	806497	1	Washer (Fuel Pump Bracket)



Assemblies include all parts shown in frames.

Air Cleaner Assembly
Briggs and Stratton 350447-1332-E1

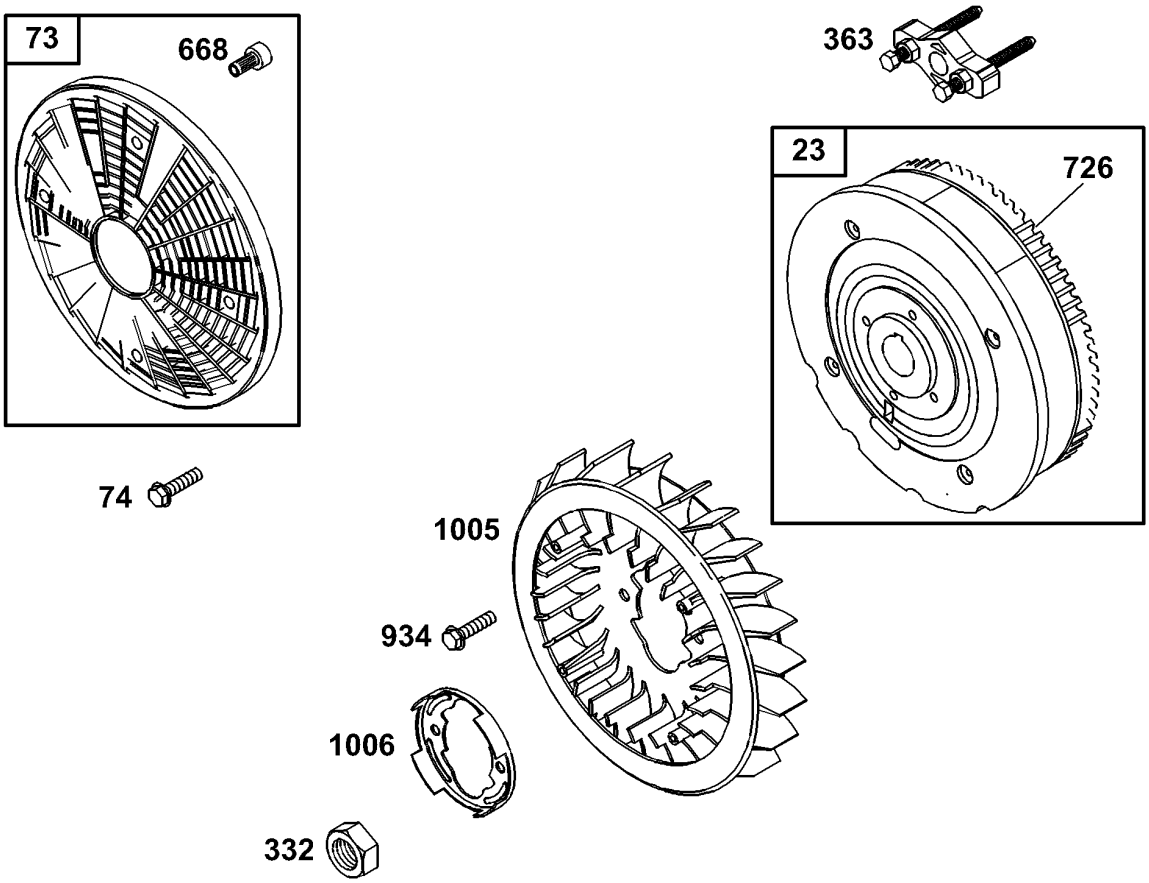
Ref	Part No.	Qty.	Description
❻161	691561	1	Base-Air Cleaner
❻163	692081	1	Gasket–cleaner, Air
❻445	394018	1	Filter-Air
❻467	691985	1	Knob-Air Cleaner
❻643	692079	1	Retainer-Air Filter
❻711	692539	1	Screw
❻968	692097	1	Cover-Air Cleaner
❻971	692537	1	Screw (Oil Pump Screen)
❻996	691577	1	Shield-Carburetor



Assemblies include all parts shown in frames.

Blower Housing Assembly
Briggs and Stratton 350447-1332-E1

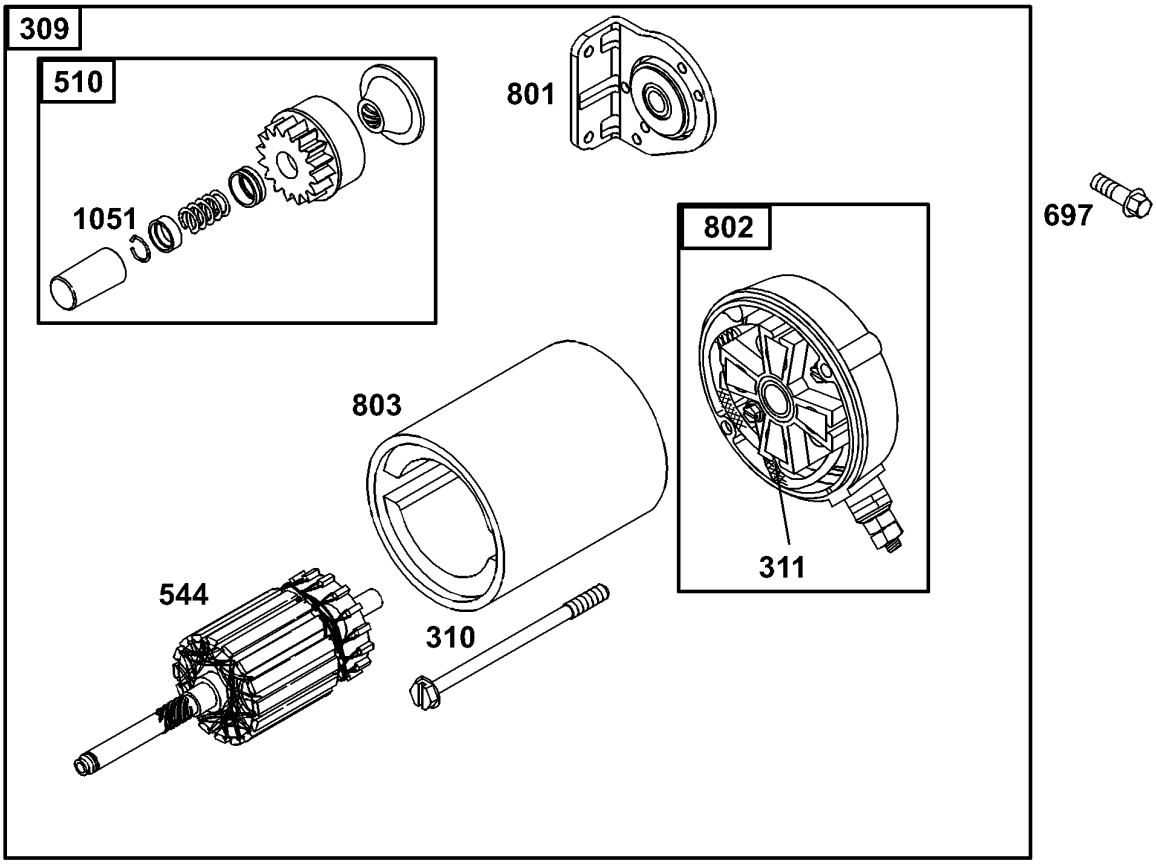
Ref	Part No.	Qty.	Description
❻304	690929	1	Housing-Blower
❻305	692539	1	Screw
❻305A	692056	1	Screw
❻308	806547	1	Cover-Head, Cylinder (Cyl. #1)
❻308A	806546	1	Cover-Head, Cylinder (Cyl. #2)
❻322	692539	1	Screw
❻405	807163	1	Screw (Backplate)
❻573	690902	1	Plate–back
❻638	691551	1	Washer (Cylinder Head Cover)
❻727	690714	1	Shield-Starter
❻732	692539	1	Screw
❻732A	690688	1	Screw (Flywheel Guard)
❻739	690451	1	Clip-Debris
❻833	692539	1	Screw
❻833A	690872	1	Screw
❻862	692153	1	Mount-Cleaner
❻865	690750	1	Cover–guide, Air
❻1036	806885	1	Label-Emissions



Assemblies include all parts shown in frames.

Flywheel Assembly
Briggs and Stratton 350447-1332-E1

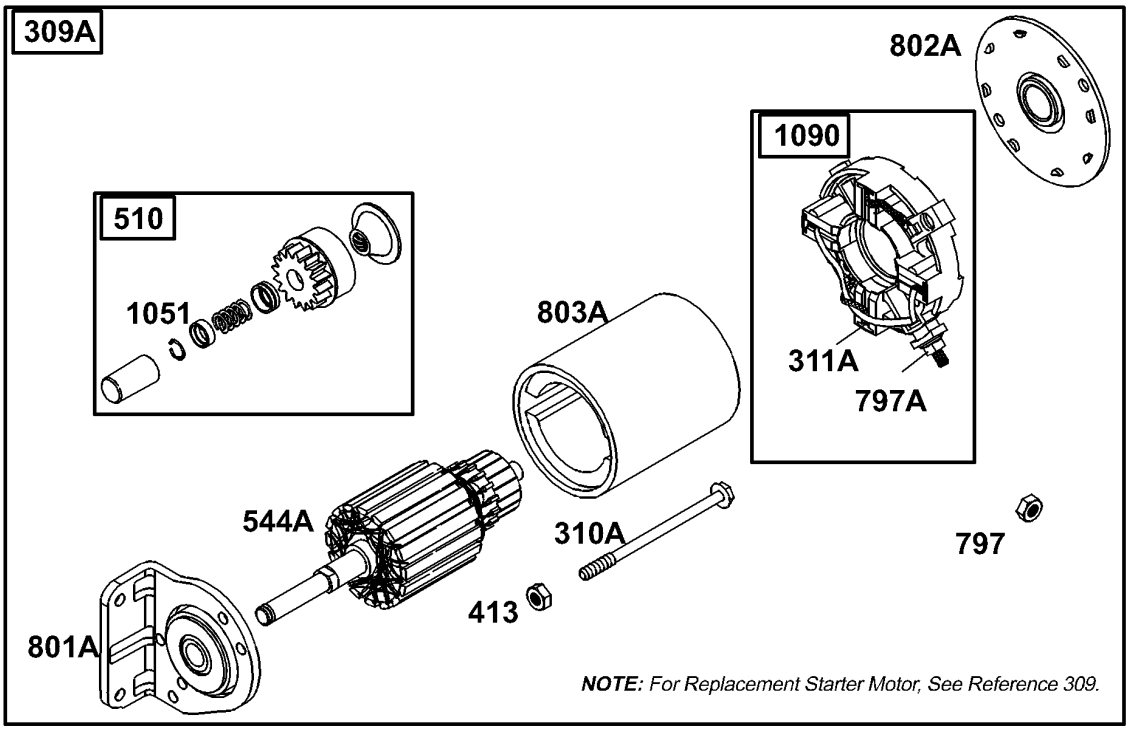
Ref	Part No.	Qty.	Description
❻23	808768	1	Flywheel
❻73	494439	1	Screen–rotating
❻74	691647	1	Screw (Rotating Screen)
❻332	690887	1	Nut (Flywheel)
❻363	19203	1	Puller–flywheel
❻668	691500	1	Spacer
❻726		1	Gear-Ring (Sold In Flywheel Kit Only, See Ref. 23)
❻934	691058	1	Screw (Fan Retainer)
❻1005	690911	1	Fan-Flywheel
❻1006	690452	1	Retainer-Fan



Assemblies include all parts shown in frames.

Starter Assembly
Briggs and Stratton 350447-1332-E1

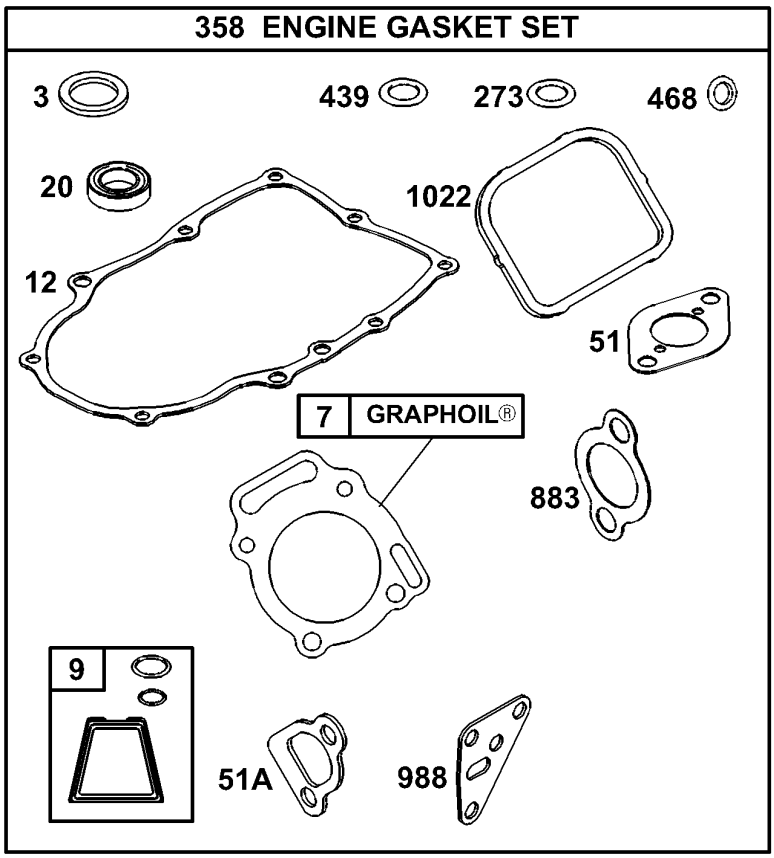
Ref	Part No.	Qty.	Description
❻309	691564	0	Motor-Starter
❻310	496880	1	Bolt-Thru
❻311	496887	1	Brush Set
❻510	496881	1	Drive-Starter
❻544	690855	1	Armature-Starter
❻697	692062	1	Screw
❻801	808778	1	Cap-Drive
❻802	496813	1	Bolt
❻803	690854	1	Housing-Starter
❻1051	691124	1	Ring-Lock

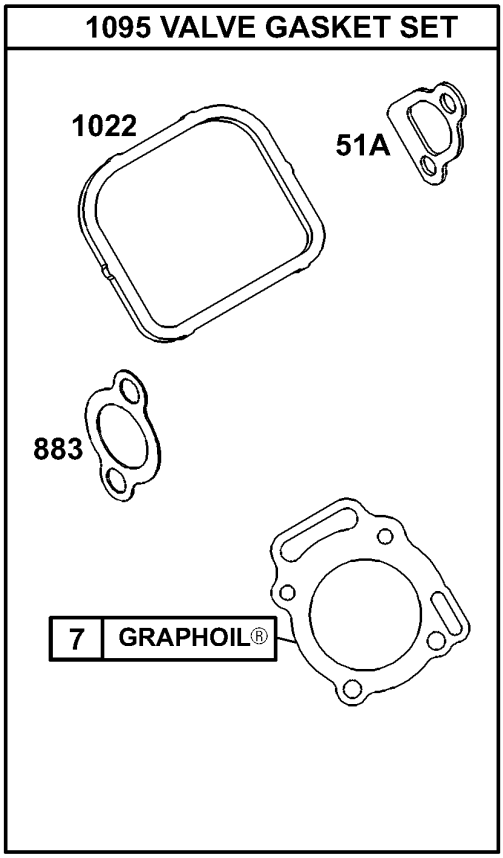


Assemblies include all parts shown in frames.

Starter Assembly No. 2
Briggs and Stratton 350447-1332-E1

Ref	Part No.	Qty.	Description
❻309A		0	Starter Motor ASM (For Replacement Starter Motor, See Ref. 309)
❻310A	690323	1	Bolt-Starter Motor
❻311A	497608	1	Brush Set
❻413	693587	1	Nut (Starter Motor)
❻510	496881	1	Drive-Starter
❻544A	693548	1	Armature-Starter
❻797	691029	1	Nut-Brush Retainer
❻797A	693167	1	Nut-Brush Retainer
❻801A	808777	1	Cap-Drive
❻802A	691286	1	Cap–end
❻803A	693547	1	Housing-Starter
❻1051	691124	1	Ring-Lock
❻1090	691293	1	Retainer–brush

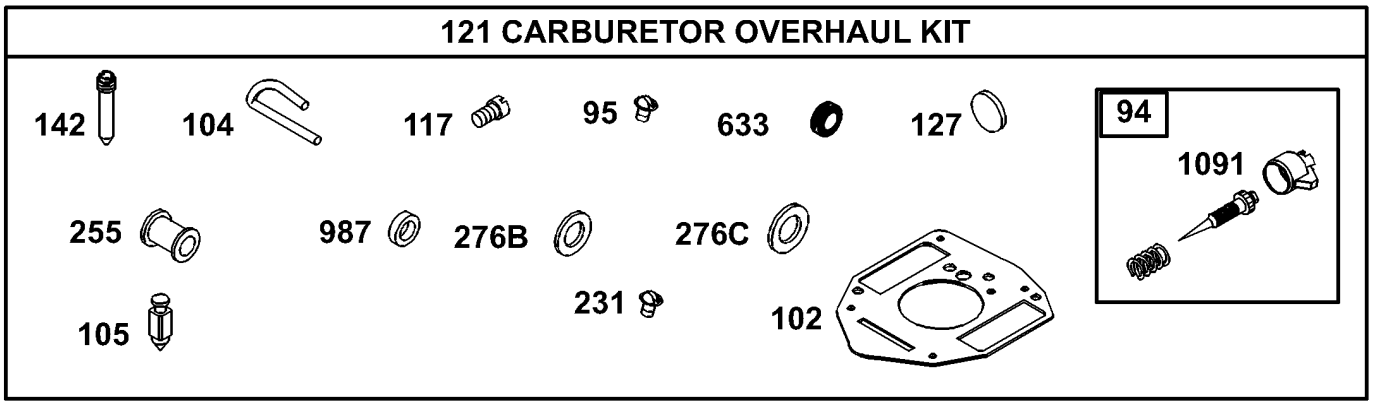




Assemblies include all parts shown in frames.

Gasket Assembly
Briggs and Stratton 350447-1332-E1

Ref	Part No.	Qty.	Description
❸❻3	805101	1	Seal–oil
❸❺7 ❻	690888	1	Gasket-Head, Cylinder
❸❻9	807688	1	Gasket-Breather
❸❻12	691684	1	Gasket–crankcase
❸❻20	805049	1	Seal–oil
❸❻51	691694	1	Gasket-Intake
❸❻51A	692035	1	Gasket–intake
❸❻273	690681	1	Seal–o Ring
❻358	808389	1	Gasket Set
❸❻439	692154	1	Seal–o Ring
❸❻468	690960	1	Screw (Blower Housing)
❸❺883 ❻	691613	1	Gasket–exhaust
❸❻988	692063	1	Gasket–adapter, Oil Filter
❸❺1022 ❻	806039	1	Gasket–cover, Rocker
❻1095	808391	1	Valve Overhaul Kit



Assemblies include all parts shown in frames.

Carburetor Overhaul Kit Assembly
Briggs and Stratton 350447-1332-E1

Ref	Part No.	Qty.	Description
❹❻94	808257	1	Idle Mixture Kit
❹❻95	690718	1	Screw
❹❻102	692077	1	Gasket–body, Carburetor
❹❻104	690723	1	Pin–hinge, Float
❹❻105	692078	1	Valve–needle, Float
❹❻117	806126	1	Jet-Main
❻121	808395	1	Carburetor Kit
❹❻127	690727	1	Plug-Welch
❹❻142	806128	1	Carburetor Nozzle
❹❻231	690718	1	Screw
❹❻255	690721	1	Bushing-Choke Shaft
❹❻276B	690724	1	Seal–o Ring
❹❻276C	806137	1	Washer–sealing
❹❻633	690722	1	Seal–shaft, Choke/throttle
❹❻987	806131	1	Seal–shaft, Choke/throttle
❹❻1091	691516	1	Cap–limiter

Attachments and Accessories

For 04356 - Greensmaster 3100 2 Wheel Drive

Product Name	Model/Part
Variable Traction Control Kit	04422
Dethatching Reel	04493
Spiker Kit	04494
Tri-Roller Kit	04495
8-Blade DPA Reel Mower	04610
11-Blade DPA Reel Mower	04611
Three-Wheel Drive Kit	100-6441
Light Kit	105-3848
Gear Pump Kit	107-2577
Tire	231-124
Reel Shutoff Kit	28-2150
Arm Rest Kit	30707
Backlapping Kit	92-9656


TORO®