Form No. 3359-411 Rev B

TORO®

Count on it.

Parts Catalog

Greensmaster® 3100

2-Wheel Drive

Model No. 04356—Serial No. 280000001 and Up

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 illustration and in parts 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.

List of Abbreviations

AR: as required

ASM: assembly

BBC: blade brake control

BHTF: button head thread forming

CARR: carriage

CCW: counter clockwise

CW: clockwise

DEG: degrees

DPA: Dual Point Adjustment

ECM: electronic control module

EXT: external

FH: flat head

GA: gauge

HD: heavy-duty

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

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

LH: left hand

LP: Liquid Propane

NI: nylon insert

NPTF: national pipe thread fine

PFH: phillips flat head

PPH: phillips pan head

PPHTF: phillips pan head thread forming

PRH: phillips round head

PTH: phillips truss head

PTO: power-take-off

RH: right hand

ROPS: roll-over protection system

RRB: rear roller brush

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

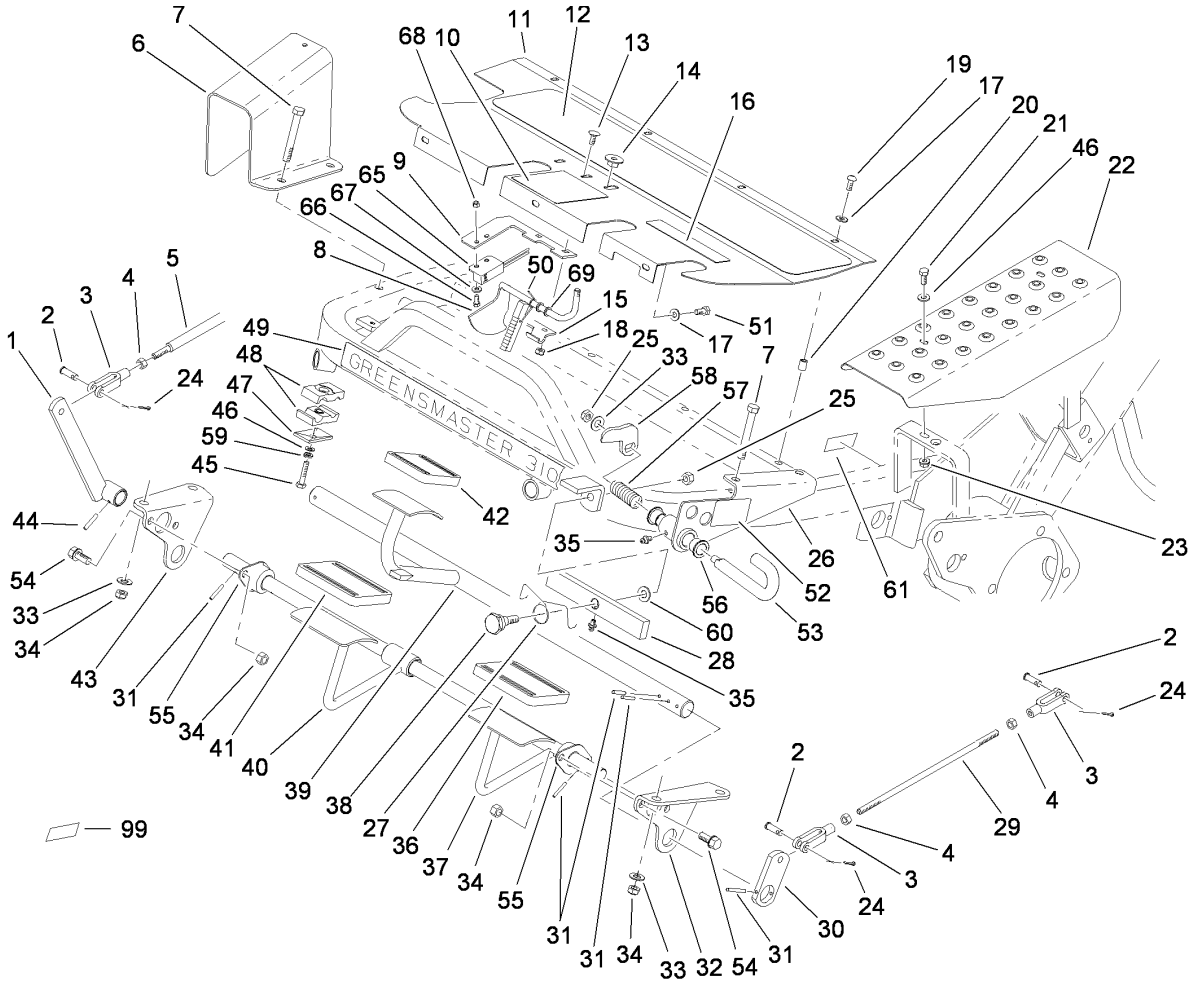
TTH: torx truss head

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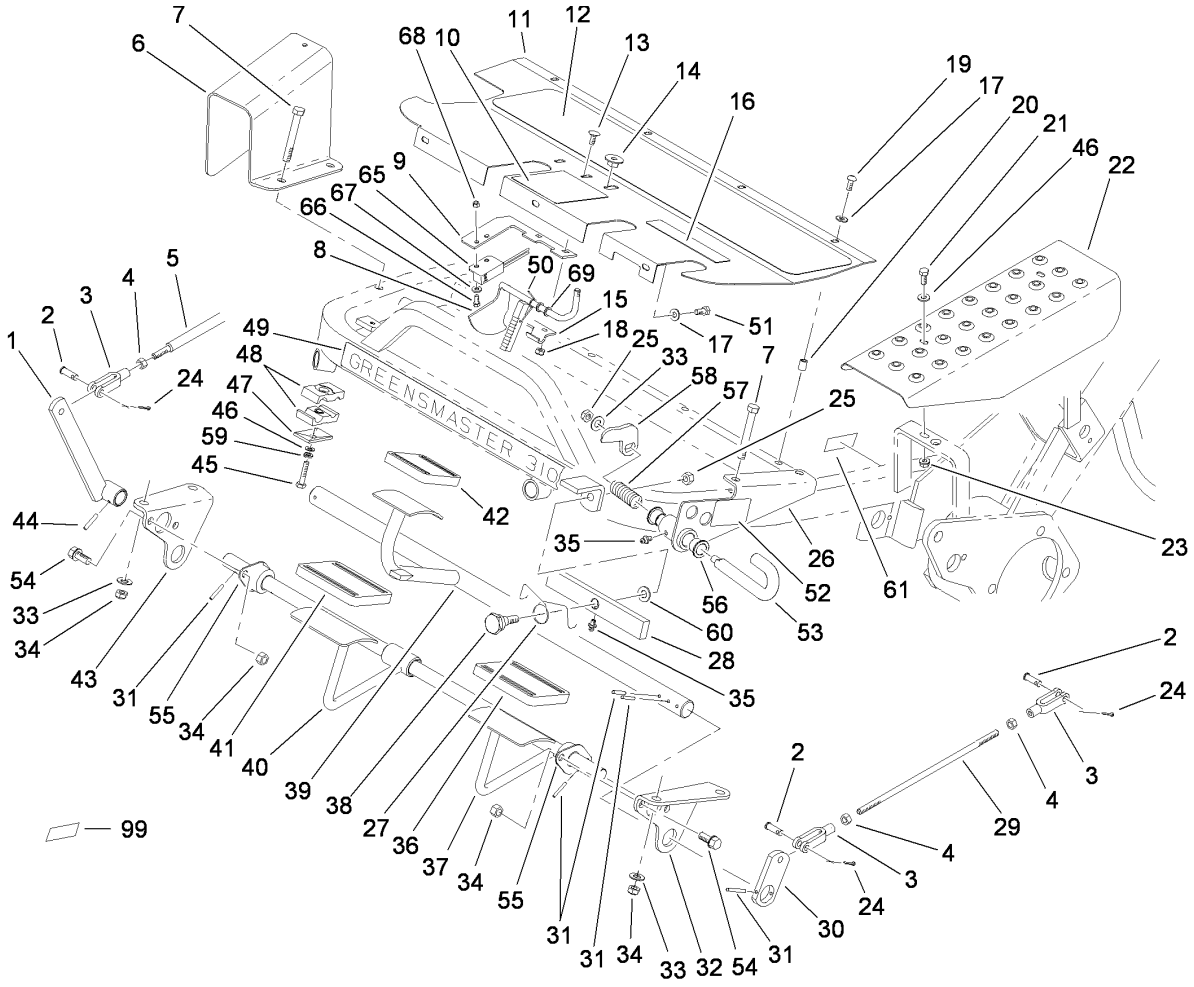
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Control Pedal Assembly

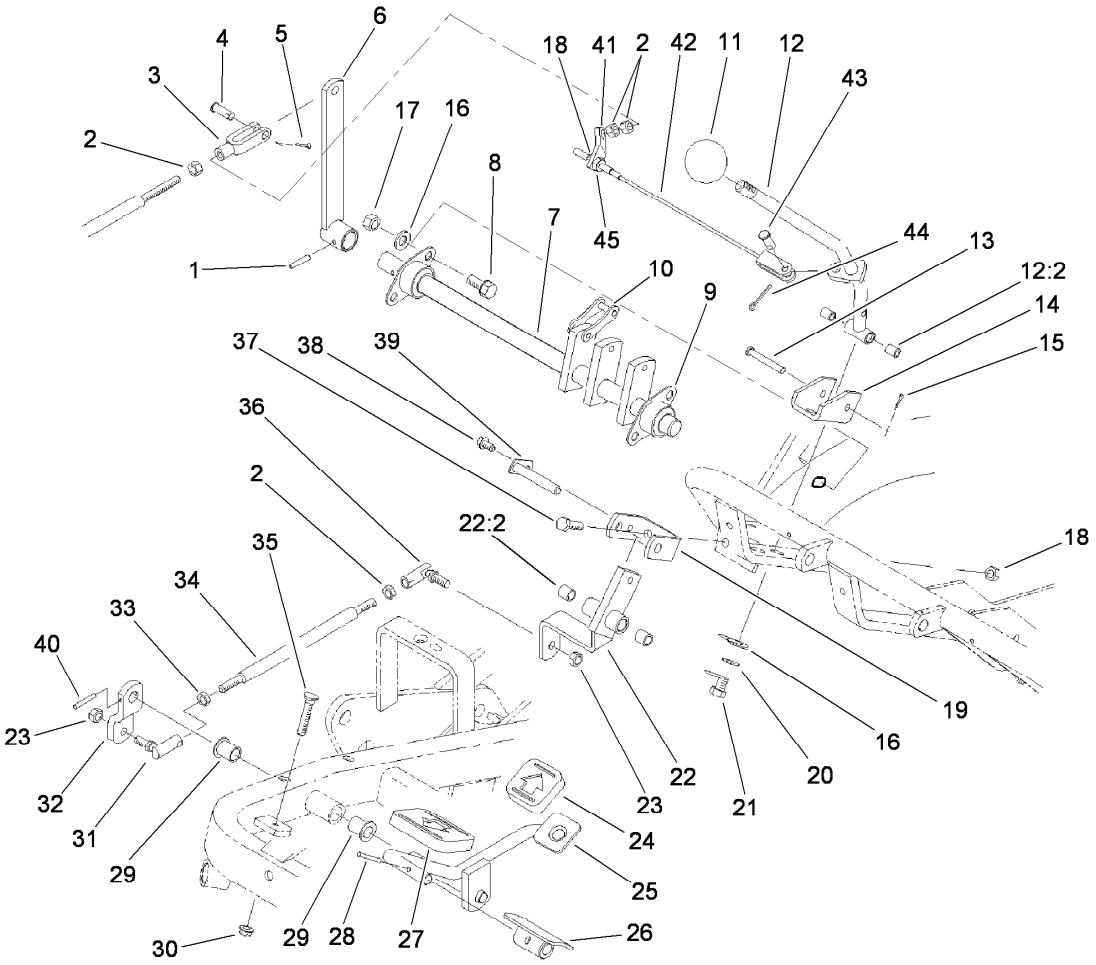
Ref.	Part Number	Qty.	Description
1	49-6200-01	1	Lever-Cutting
2	283-61	5	Pin-Yoke
3	282-2	5	Yoke
4	3220-2	5	Nut-Jam
5	49-5430	1	Rod-Control
6	49-6110-01	1	Guard-Rod, Transmission
7	323-13	4	Screw-HH
8	100-9819	1	Latch ASM
9	100-9821	1	Plate-Switch, Reed
10	93-8062	1	Decal-Brake, Parking
11	83-0640-01	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
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

Ref.	Part Number	Qty.	Description
29	27-2270	2	Rod-Adjustment, Brake
30	112-9180	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
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



Control Pedal Assembly (continued)

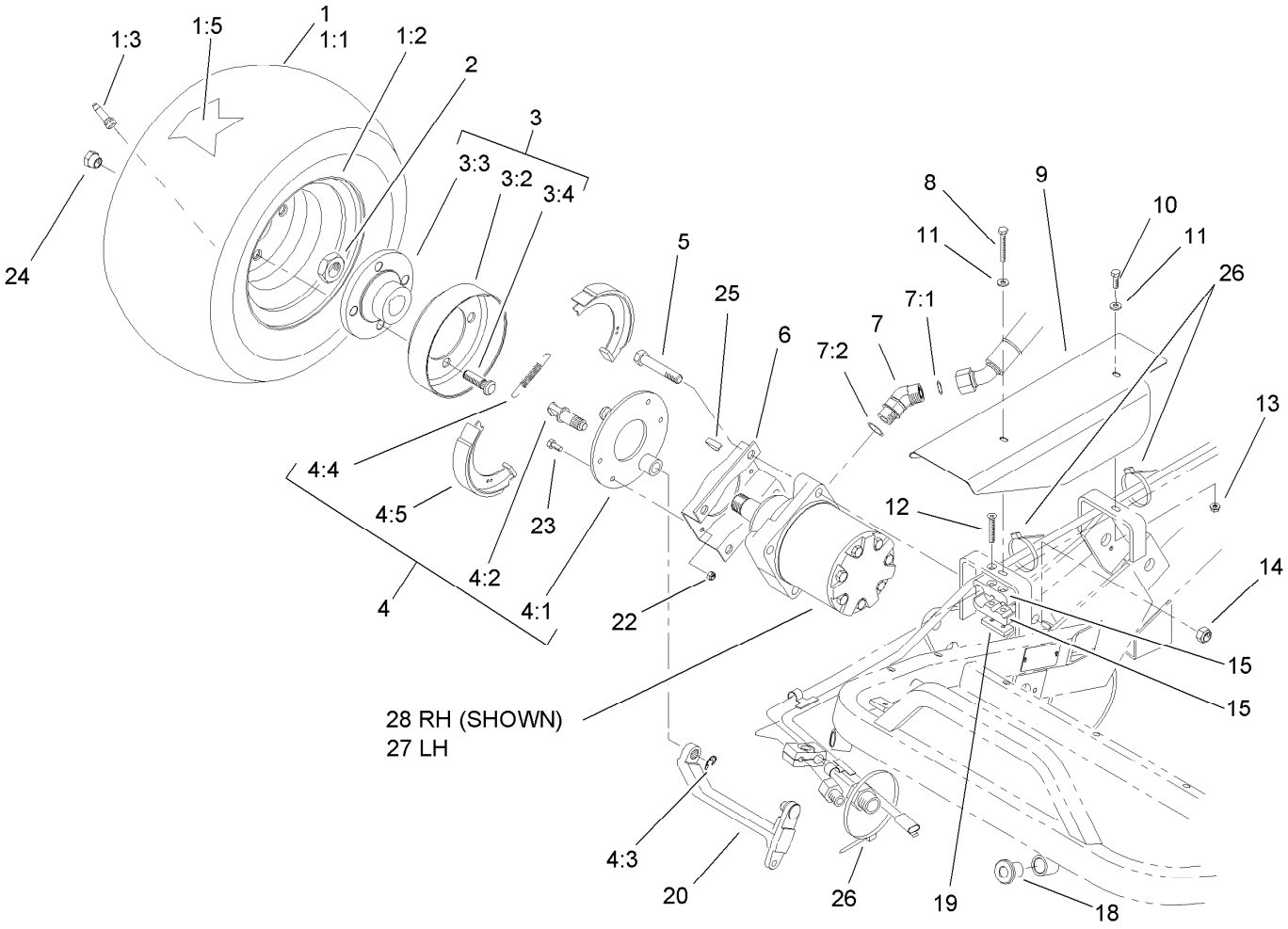
Ref.	Part Number	Qty.	Description
57	76-0410	1	Spring-Compression
58	93-9904	1	Arm-Mow, Lockout
59	3253-3	1	Washer-Lock
60	80-7730	1	Spacer
61	115-3251	1	Decal-Regulatory
65	104-2057	1	Sensor
66	33113-016	2	Screw-HH
67	33093-00	2	Washer-Flat
68	33023-00	2	Nut-Lock
69	75-5470	2	Spacer-Bearing
99	93-6691	3	Decal-Bolt, Eccentric



Traction Control Assembly

Ref.	Part Number	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	Traction Handle ASM
12:2	256-251	2	Bushing
13	283-57	1	Pin-Clevis
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 Number	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

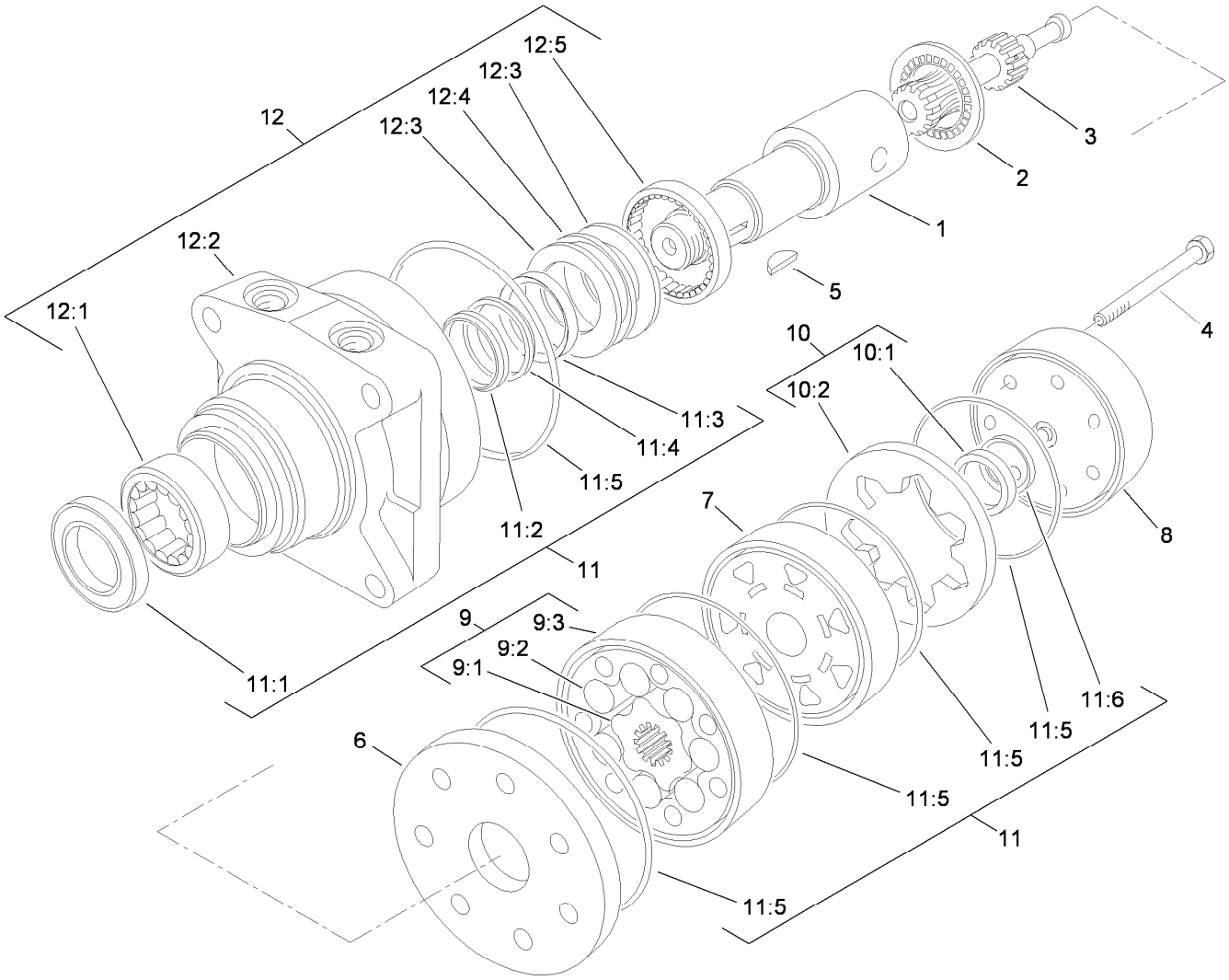


Front Wheel and Brake Assembly

Ref.	Part Number	Qty.	Description
1		2	Wheel And 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

Ref.	Part Number	Qty.	Description
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
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
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
27	110-4015	1	HYD Motor ASM (CCW)
28	110-4016	1	HYD Motor ASM (CW)

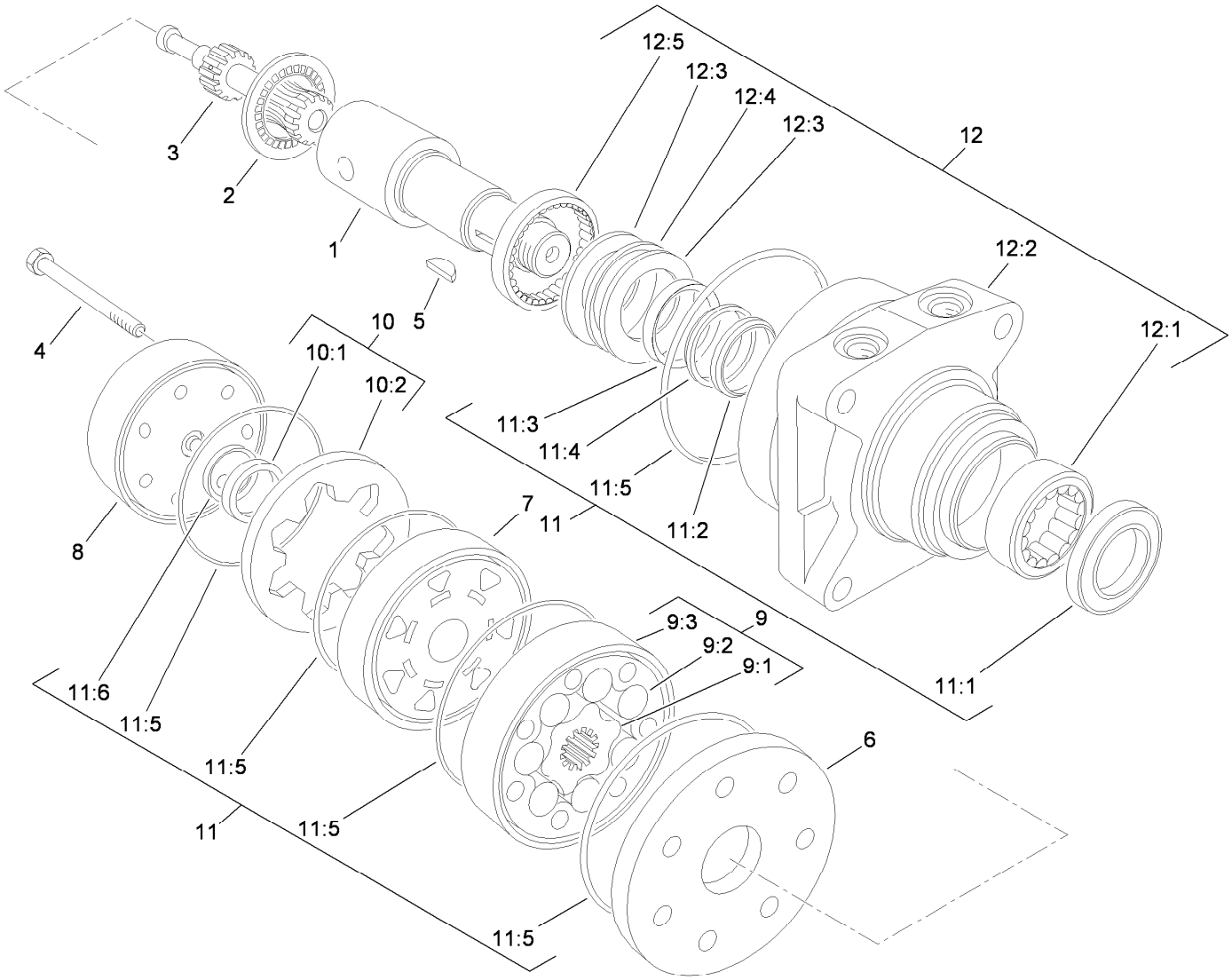
● Not serviced separately



Hydraulic Motor Assembly (CCW) No. 110-4015

Ref.	Part Number	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	92-9754	1	Plate-Wear
7	76-0840	1	Manifold
8	76-0940	1	End Cover ASM
9	92-9763	1	Rotor Set
9:1		1	Rotor ●
9:2		1	Vane ●
9:3		1	Stator ●
10	76-0880	1	Commutator ASM
10:1		1	Commutator ●
10:2		1	Ring-Commutator ●
11	94-8178	1	Seal Kit
11:1		1	Seal-Dirt And Water ●
11:2		1	Backup-Ring ●
11:3		1	Seal-Shaft ●
11:4		1	Washer-Backup ●
11:5		5	Seal-Square, Ring (Inner) ●
11:6		1	Seal-Commutator ●
12	76-0810	1	Housing ASM
12:1		1	Bearing ●
12:2		1	Housing ●
12:3		2	Washer-Thrust ●
12:4		1	Bearing-Thrust ●
12:5		1	Bearing ●

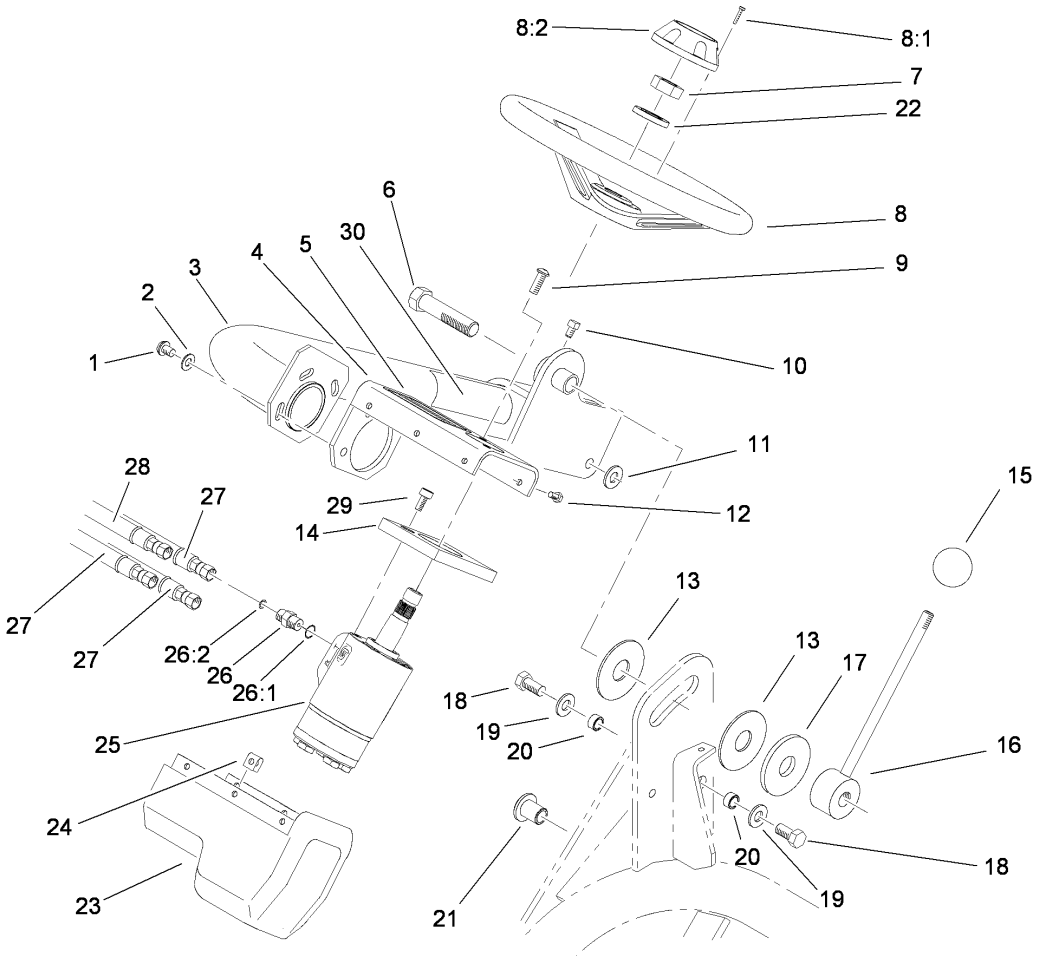
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Hydraulic Motor Assembly (CW) No. 110-4016

Ref.	Part Number	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	92-9754	1	Plate-Wear
7	76-0840	1	Manifold
8	76-0940	1	End Cover ASM
9	92-9763	1	Rotor Set
9:1		1	Rotor ●
9:2		1	Vane ●
9:3		1	Stator ●
10	76-0880	1	Commutator ASM
10:1		1	Commutator ●
10:2		1	Ring-Commutator ●
11	94-8178	1	Seal Kit
11:1		1	Seal-Dirt And Water ●
11:2		1	Backup-Ring ●
11:3		1	Seal-Shaft ●
11:4		1	Washer-Backup ●
11:5		5	Seal-Square, Ring (Inner) ●
11:6		1	Seal-Commutator ●
12	76-0810	1	Housing ASM
12:1		1	Bearing ●
12:2		1	Housing ●
12:3		2	Washer-Thrust ●
12:4		1	Bearing-Thrust ●
12:5		1	Bearing ●

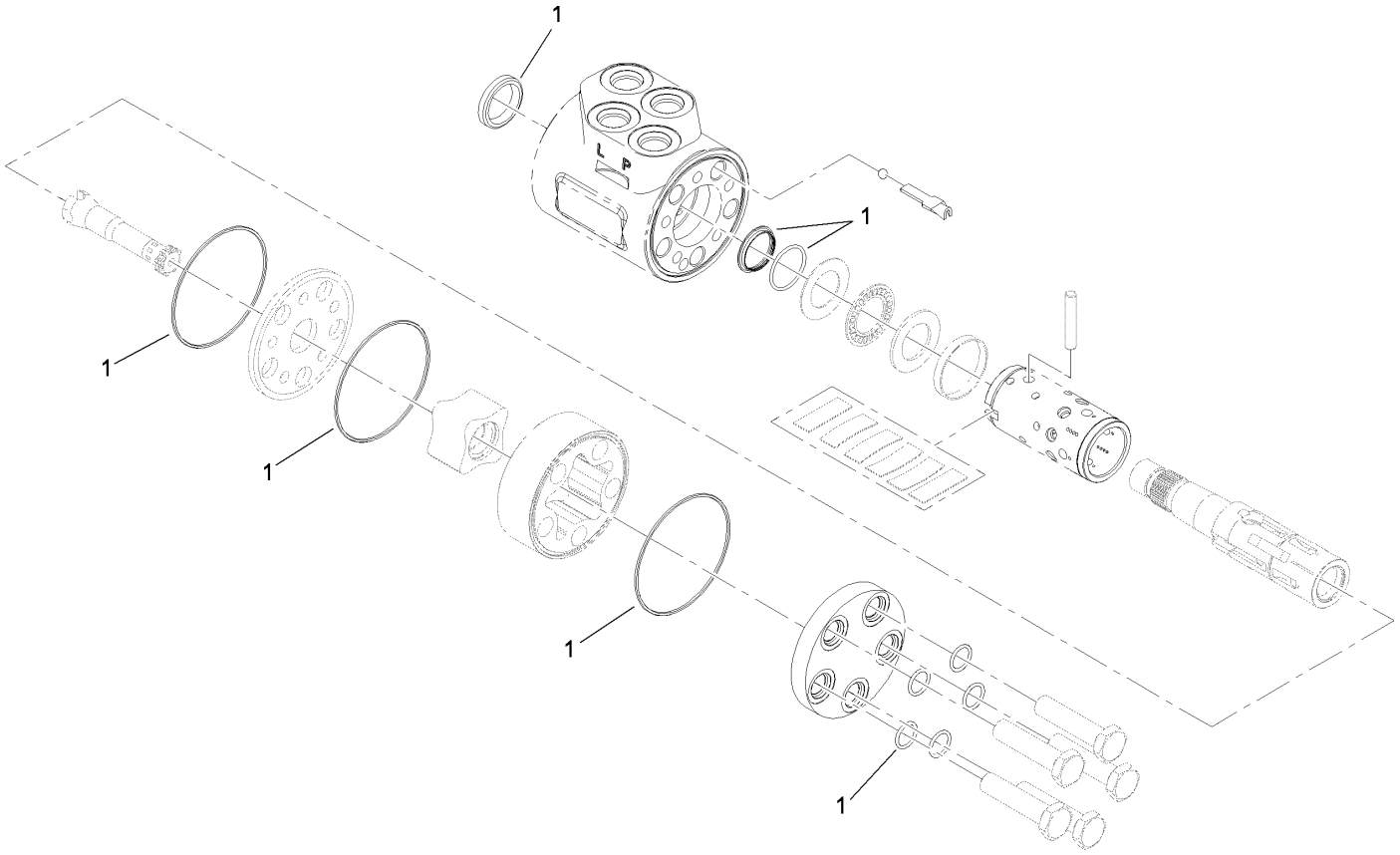
● Not serviced separately



Steering Arm Assembly

Ref.	Part Number	Qty.	Description
1	3274-80	3	Screw-HH
2	3256-80	3	Washer-Flat
3	107-9542-01	1	Arm-Steering
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	110-8816	1	Nut-Hex
8	75-0560	1	Wheel-Steering
8:1	32144-21	1	Screw
8:2	68-5140	1	Cap-Wheel, Steering
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
14	115-3254	1	Plate-Mount
15	233-48	1	Knob

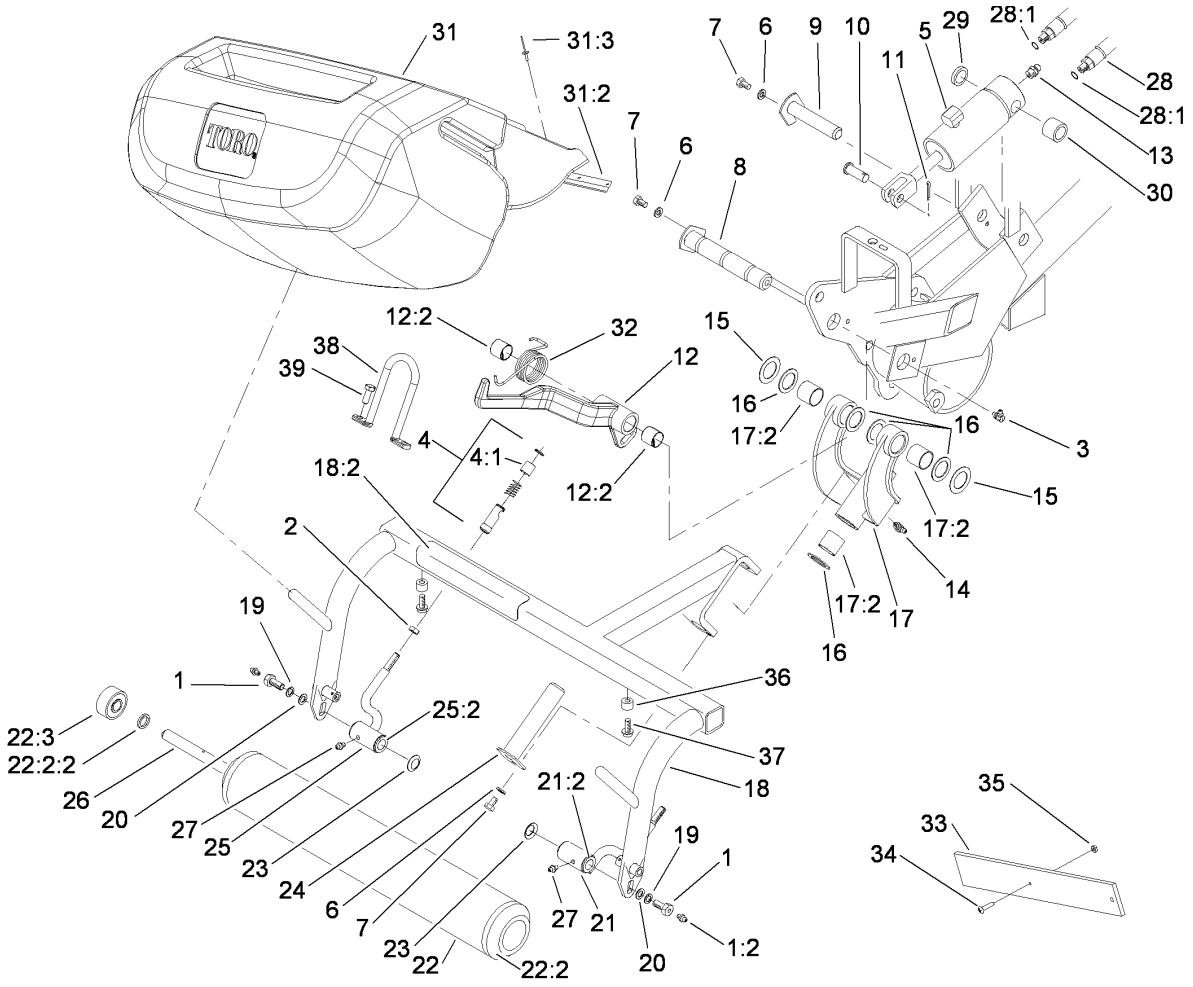
Ref.	Part Number	Qty.	Description
16	83-0700-03	1	Handle-Lockup
17	83-0760	1	Spacer-Plate, Lockup
18	325-4	2	Screw-HH
19	3256-26	2	Washer-Flat
20	47-2890	2	Bushing
21	83-1700	1	Bushing-Flange
22	3256-27	1	Washer-Flat
23	83-0810	1	Cover-Steering
24	3290-277	6	Nut-Speed
25	114-4671	1	Steering Valve ASM
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	105-2409	2	Screw-HSH
30	93-8068	1	Decal-Arm, Steering



Steering Valve Assembly No. 114-4671

Ref.	*Part Number*	*Qty.*	*Description*
1	106-6716	1	Seal Kit

● Not serviced separately

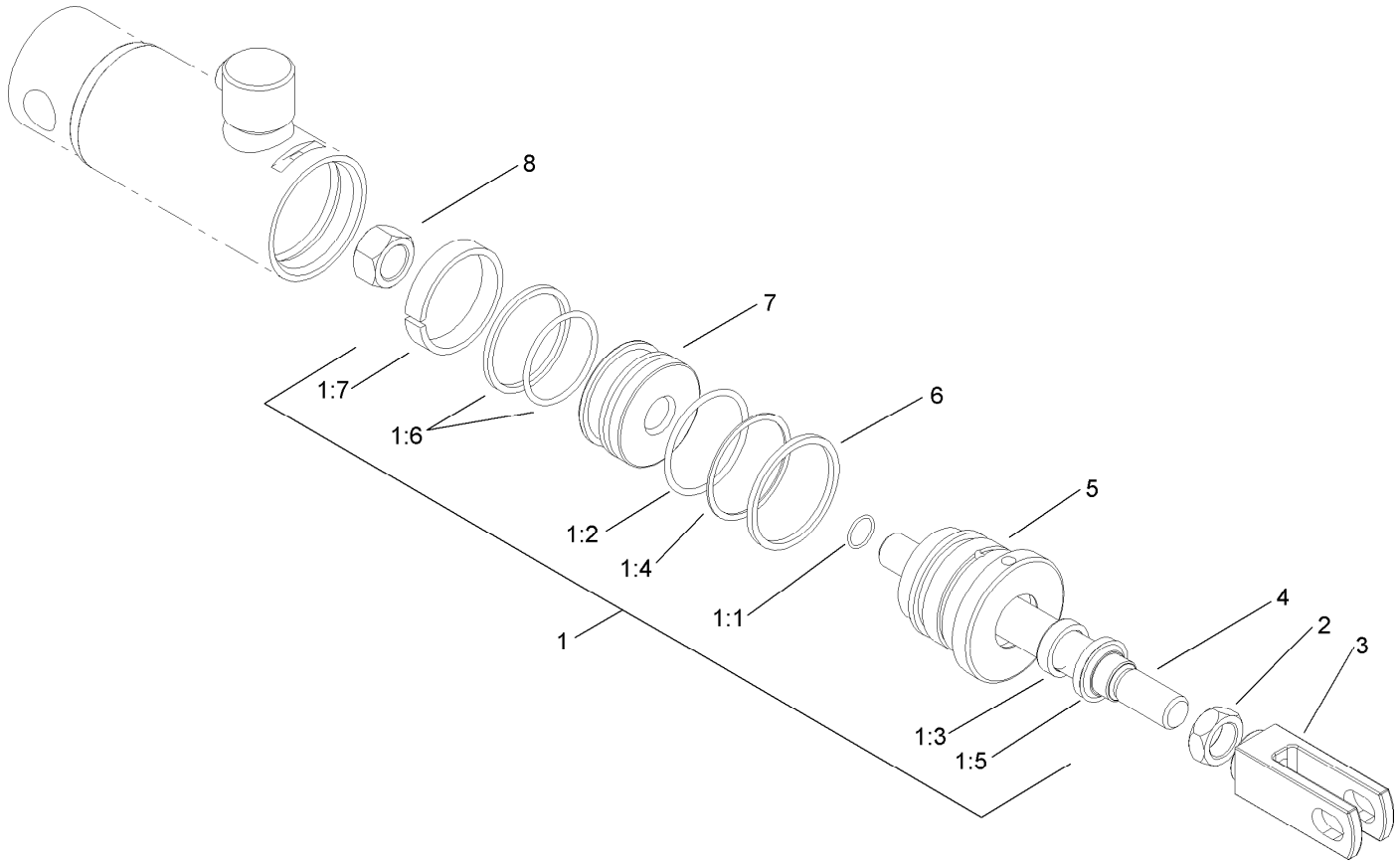


Right Hand Pull Frame Assembly

Ref.	Part Number	Qty.	Description
1	11-0160	2	Roller Shaft Screw ASM
1:2	302-5	1	Fitting-Grease
2	3220-3	2	Nut-HJ
3	302-33	1	Fitting-Grease
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	114-4683	1	Hinge Pin ASM
9	10-6060	1	Pin-Pivot
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	1	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	112-0282	1	RH Pull Frame ASM
18:2	93-6688	1	Decal-Danger
19	3253-21	2	Washer-Lock
20	3256-24	2	Washer-Flat
21	92-0586	1	Pull Arm ASM

Ref.	Part Number	Qty.	Description
21:2	3-1506	2	Bushing
22	99-4277	1	Roller ASM
22:2		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	108-8642	3	Grass Basket ASM
31:2	104-2607	1	Strip-Basket
31:3	3290-382	8	Rivet-Pop
32	110-3951	1	Spring-Torsion, RH
33	65-8320	1	Bar-Gauge
34	32122-22	1	Screw-HH
35	3219-14	1	Nut-Hex
36	94-4548	2	Bumper-Recessed
37	32104-95	2	Screw-HWH
38	105-5740	1	Hook-Lift
39	33115-025	2	Screw-HH

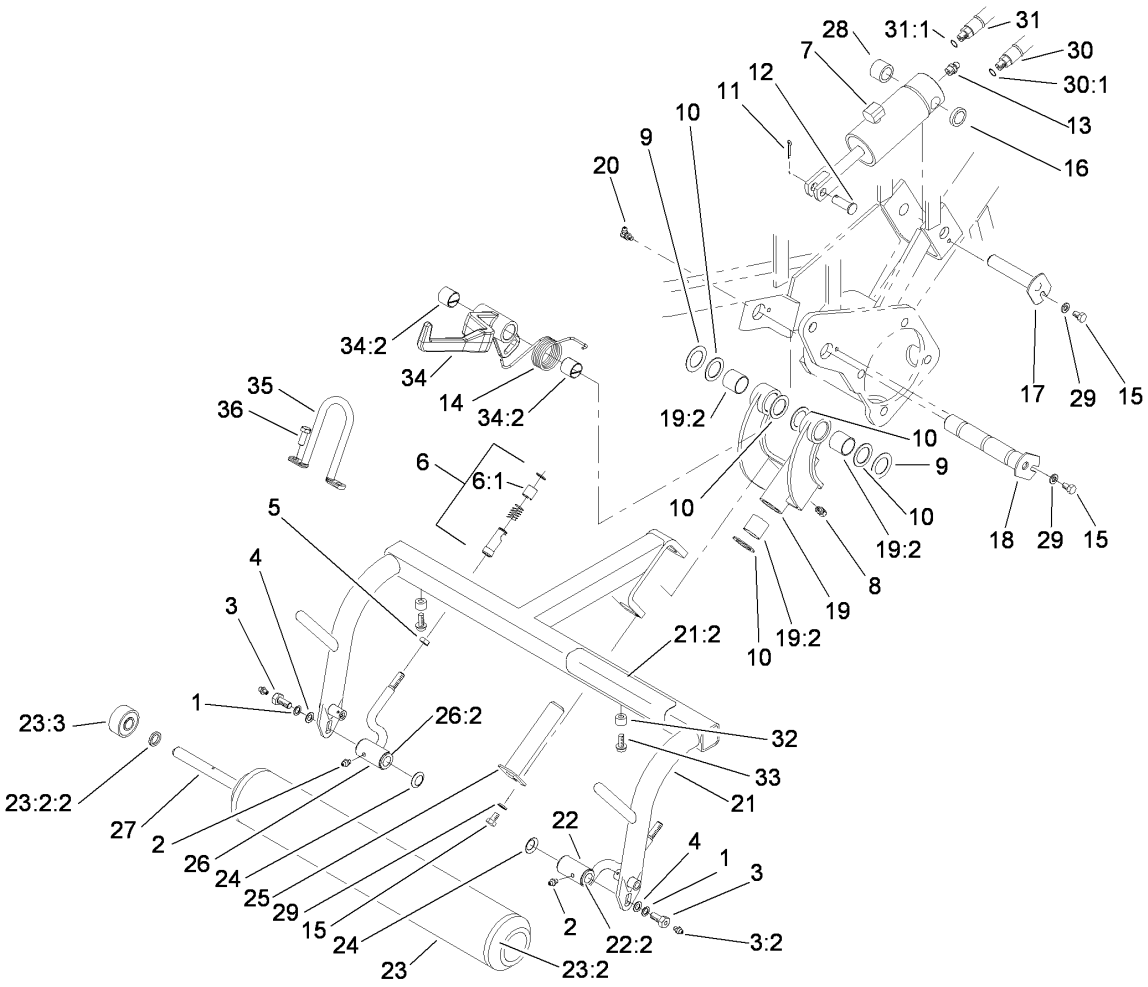
● Not serviced separately



Hydraulic Cylinder Assembly No. 106-9066

Ref.	*Part Number*	*Qty.*	*Description*
1	107-2564	1	Seal Kit
1:1		1	O-Ring ●
1:2		1	O-Ring ●
1:3		1	Seal ●
1:4		1	Back-Up ●
1:5		1	Wiper ●
1:6		1	Seal-W/Out Ring ●
1:7		1	Ring-Wear ●
2	3220-6	1	Nut-Jam
3	106-9065	1	Clevis-Cylinder
4		1	Rod ●
5		1	Head ●
6		1	Ring-Retaining ●
7		1	Piston ●
8		1	Locknut ●

● Not serviced separately

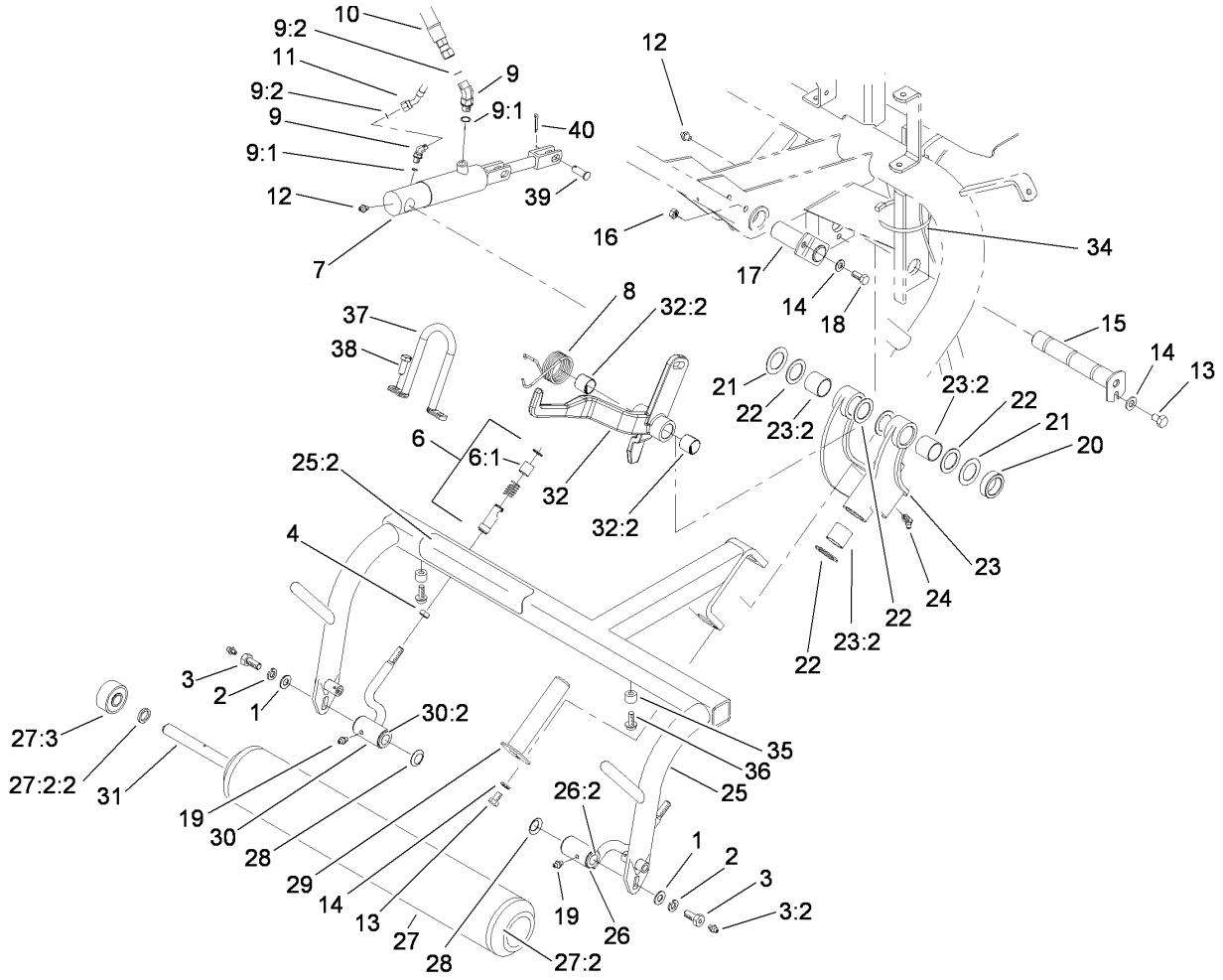


Left Hand Pull Frame Assembly

Ref.	Part Number	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-HJ
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	1	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	110-3952	1	Spring-Torsion, LH
15	322-1	3	Screw-HH
16	105-3828	1	Spacer
17	10-6060	1	Pin-Pivot
18	114-4683	1	Hinge Pin ASM
19	10-7820	1	Pivot Hinge ASM
19:2	3-0348	4	Bushing
20	302-33	1	Fitting-Grease
21	112-0283	1	LH Pull Frame ASM

Ref.	Part Number	Qty.	Description
21:2	93-6688	1	Decal-Danger
22	92-0586	1	Pull Arm ASM
22:2	3-1506	2	Bushing
23	99-4277	1	Roller ASM
23:2		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	32104-95	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

● Not serviced separately

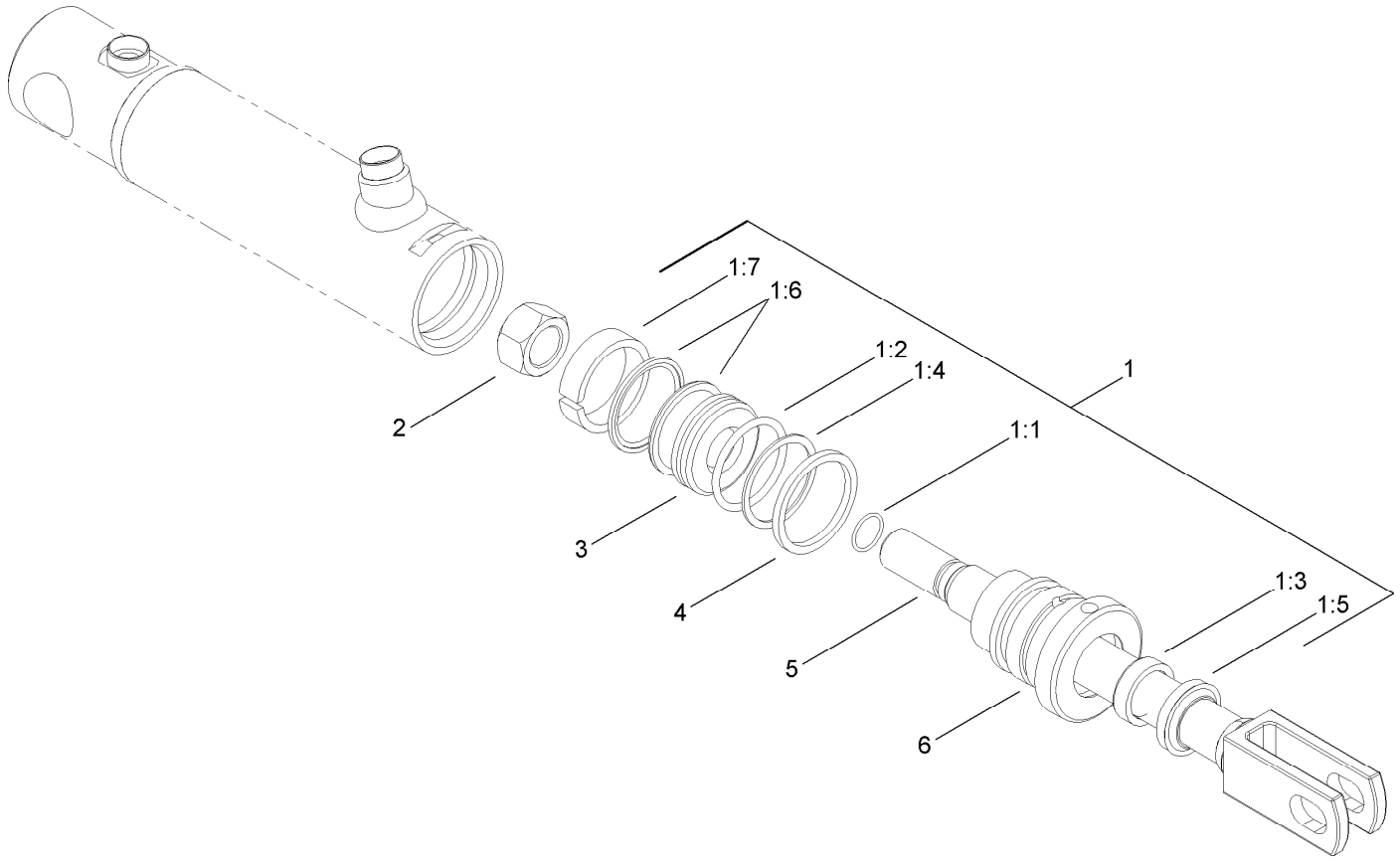


Rear Pull Frame Assembly

Ref.	Part Number	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-HJ
6	99-1460	2	Ball Joint Receiver ASM
6:1	99-1461	1	Sleeve-Joint, Ball
7	106-9064	1	HYD Cylinder ASM
8	110-3953	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	2	Fitting-Grease
13	322-1	2	Screw-HH
14	3256-23	3	Washer-Flat
15	114-4685	1	Hinge Pin ASM
16	3296-29	1	Nut-Lock, NI
17	68-5560	1	Pin-Cylinder, Pivot
18	322-3	1	Screw-HH
19	302-5	2	Fitting-Grease
20	93-2384	1	Spacer-Carrier
21	5-1226	2	Washer
22	10-8110	6	Washer-Thrust

Ref.	Part Number	Qty.	Description
23	105-0452	1	Pivot Hinge ASM
23:2	3-0348	4	Bushing
24	302-60	1	Fitting-Grease
25	112-0284	1	Rear Pull Frame ASM
25:2	93-6688	1	Decal-Danger
26	92-0586	1	Pull Arm ASM
26:2	3-1506	2	Bushing
27	99-4277	1	Roller ASM
27:2		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	110-3955	1	Center Lift Arm ASM
32:2	3-0348	2	Bushing
34	3290-379	1	Tie-Cable
35	94-4548	2	Bumper-Recessed
36	32104-95	2	Screw-HWH
37	105-5740	1	Hook-Lift
38	33115-025	2	Screw-HH
39	283-8	1	Pin-Clevis
40	3272-11	1	Pin-Cotter

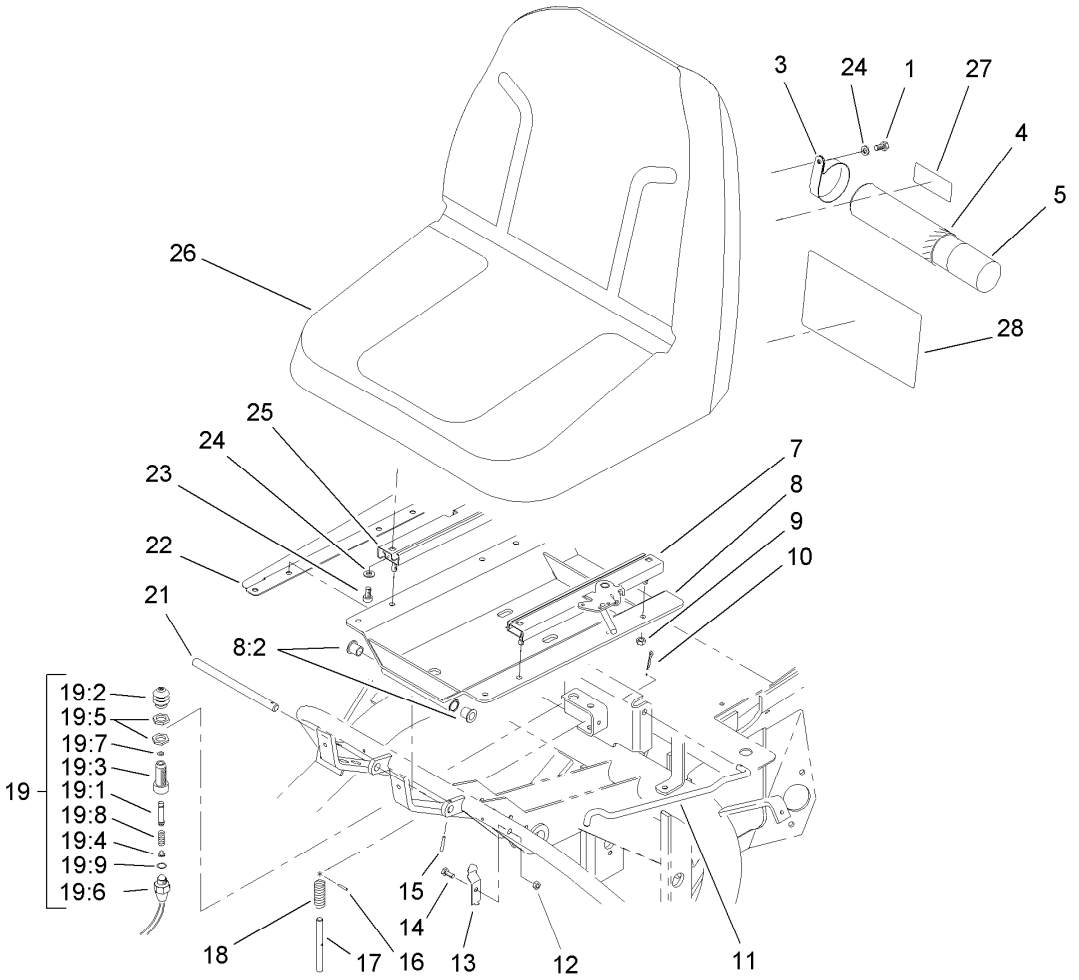
● Not serviced separately



Hydraulic Cylinder Assembly No. 106-9064

Ref.	*Part Number*	*Qty.*	*Description*
1	107-2563	1	Seal Kit
1:1		1	O-Ring ●
1:2		1	O-Ring ●
1:3		1	Seal ●
1:4		1	Back-Up ●
1:5		1	Wiper ●
1:6		1	Seal W/Loader ●
1:7		1	Wear Ring ●
2		1	Locknut ●
3		1	Piston ●
4		1	Ring-Retaining ●
5		1	Rod ASM ●
6		1	Head ●

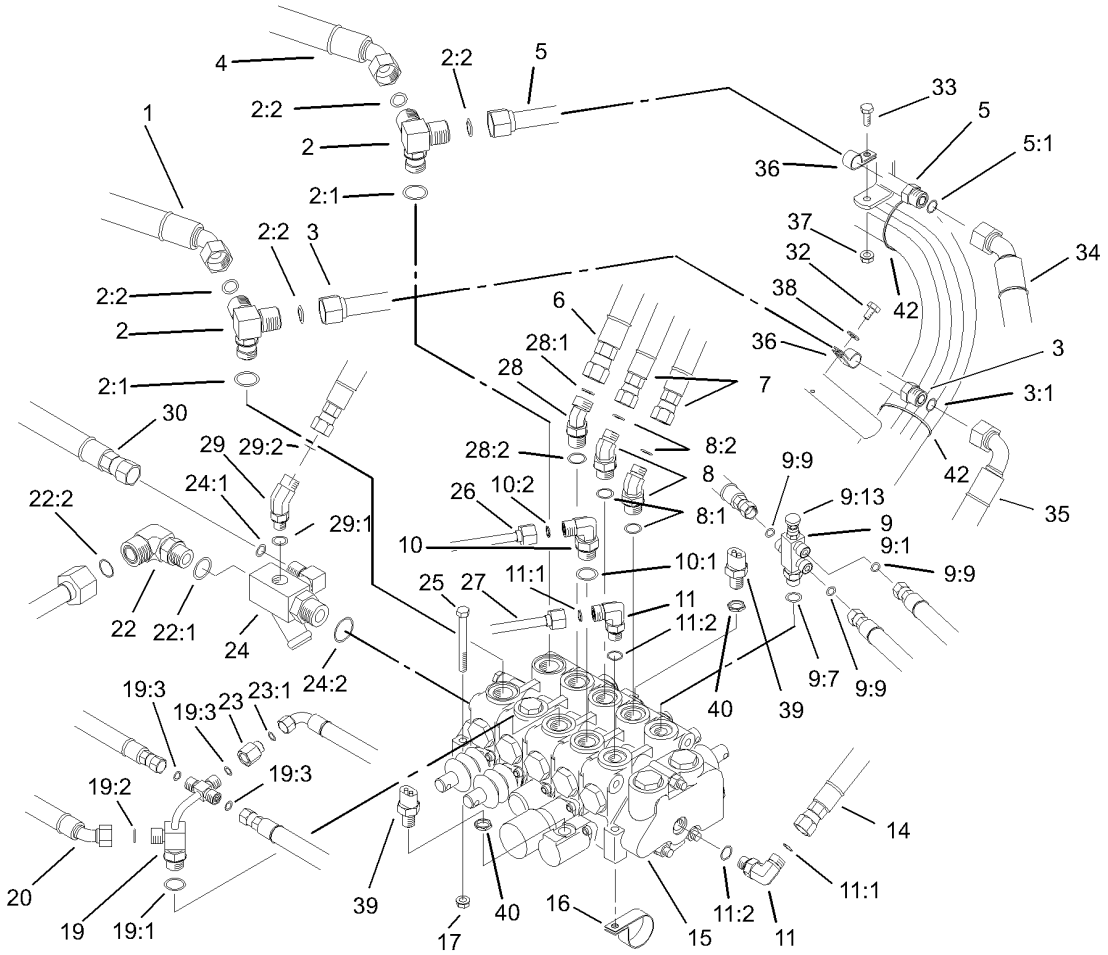
● Not serviced separately



Seat Assembly

Ref.	Part Number	Qty.	Description
1	322-2	2	Screw-HH
3	2412-133	2	R-Clamp
4	104-7050	1	Tube-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

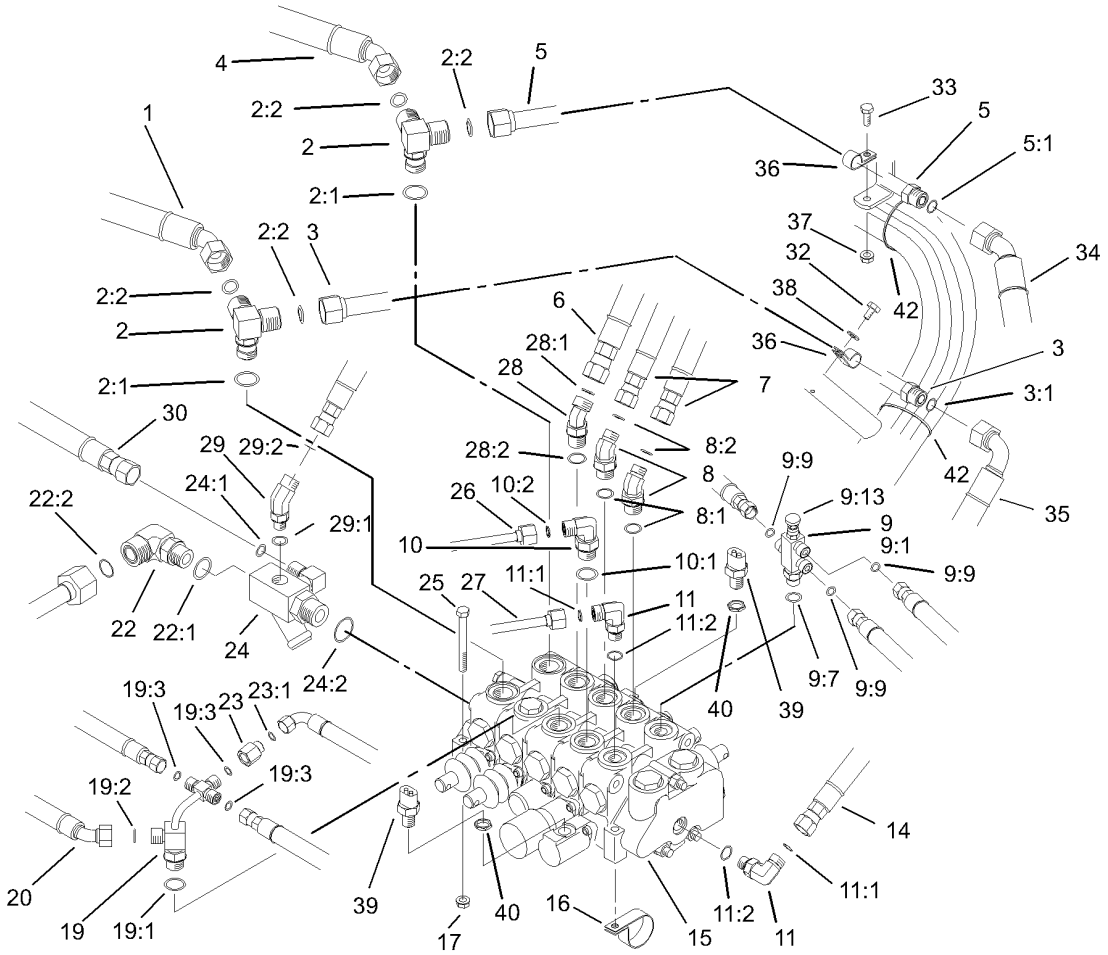
Ref.	Part Number	Qty.	Description
19:6	72-4320	1	Switch-Ball
19:7	237-7	1	O-Ring
19:8	43-8600	1	Spring-Compression
19:9	237-30	1	O-Ring
21	49-5880	1	Shaft-Support, Seat
22	83-1840-01	1	Cover-Valve, RH
23	3274-12	4	Screw-HSH
24	3256-23	6	Washer-Flat
25	51-0780	1	Slider-Seat
26	104-4620	1	Seat
27	93-6686	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	106-6373	1	Decal-Service, Italian
28	106-6374	1	Decal-Service, Portuguese
28	106-6375	1	Decal-Service, Norwegian
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

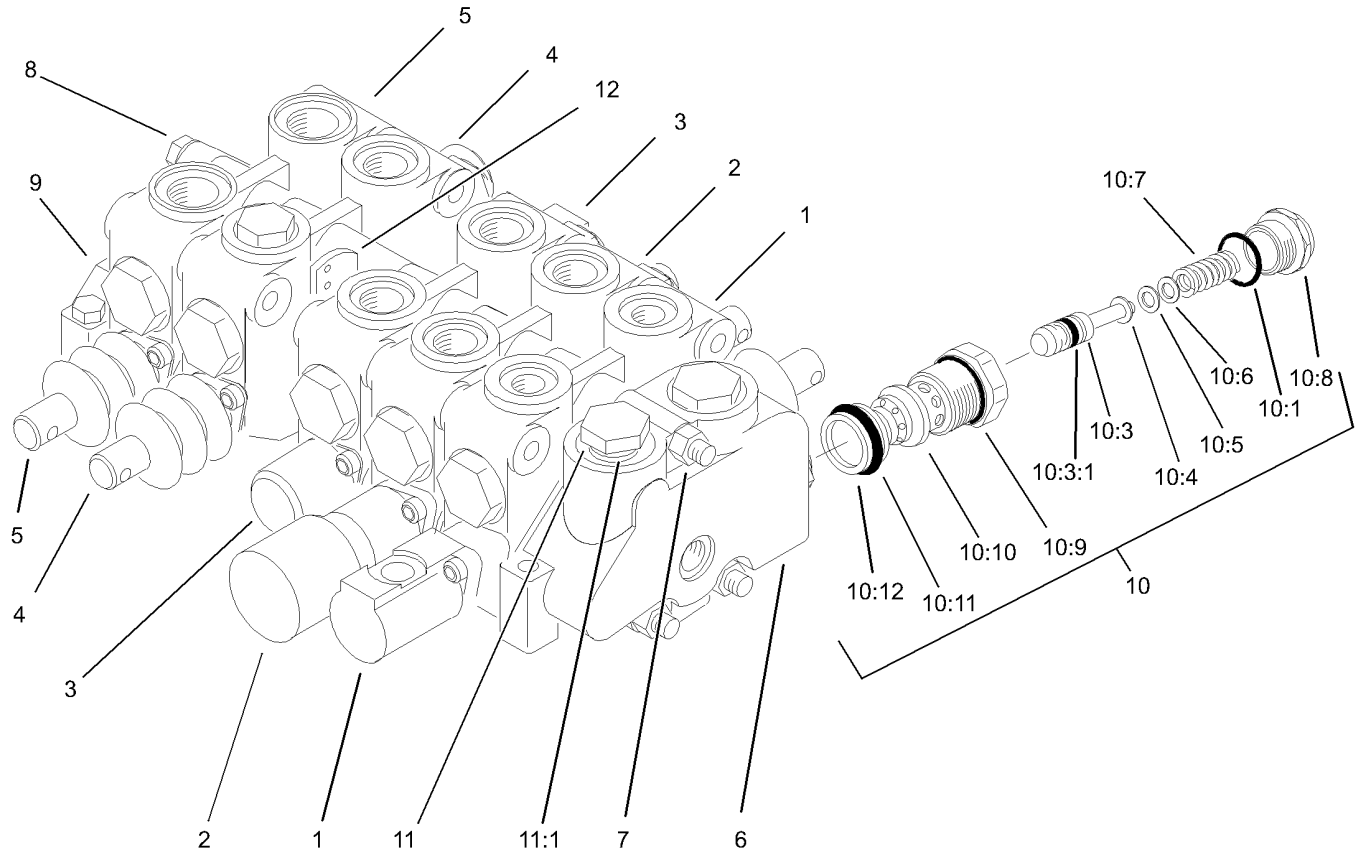
Ref.	Part Number	Qty.	Description
1	98-0647	1	Hose-HYD, Traction, RH (Lower)
2	63-4050	2	Fitting-HYD
2:1	237-80	1	O-Ring
2:2	237-65	2	O-Ring
3	70-7130	1	Line-Tube
3:1	237-65	2	O-Ring
4	112-0205	1	HYD Hose ASM
5	83-1200	1	Tube-Traction, LH (Lower)
5:1	237-65	1	O-Ring
6	107-9519	1	HYD Hose ASM
7	98-0649	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
11:2	237-42	1	O-Ring
14	98-2150	1	Hose-HYD

Ref.	Part Number	Qty.	Description
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 DEG
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
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



Control Valve Installation Assembly (continued)

Ref.	Part Number	Qty.	Description
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

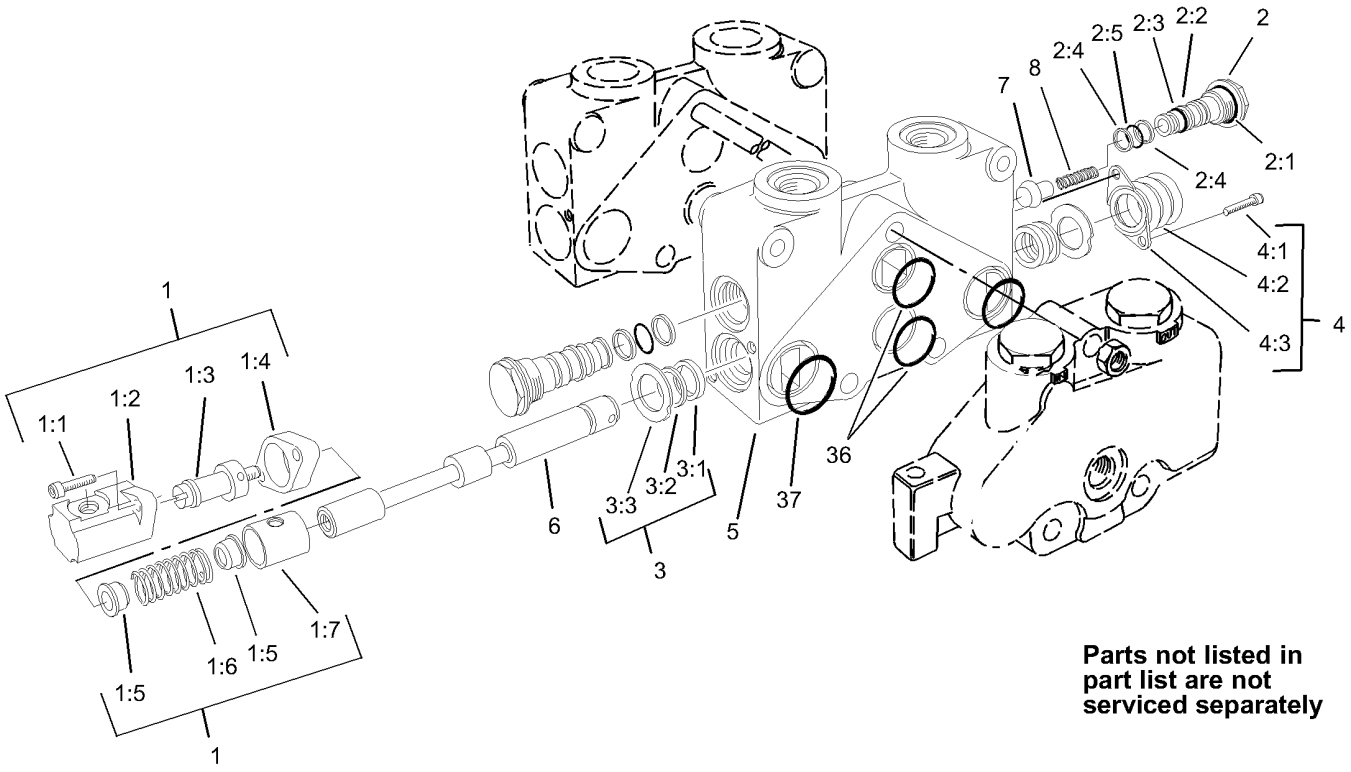


Control Valve Assembly No. 105-3800

Ref.	Part Number	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
12	354-122	1	Disc-Seal
13	92-2545	1	Spool Set Kit ●
14	84-2190	1	Section Seal Kit ●

● Not illustrated

■ Not serviced separately



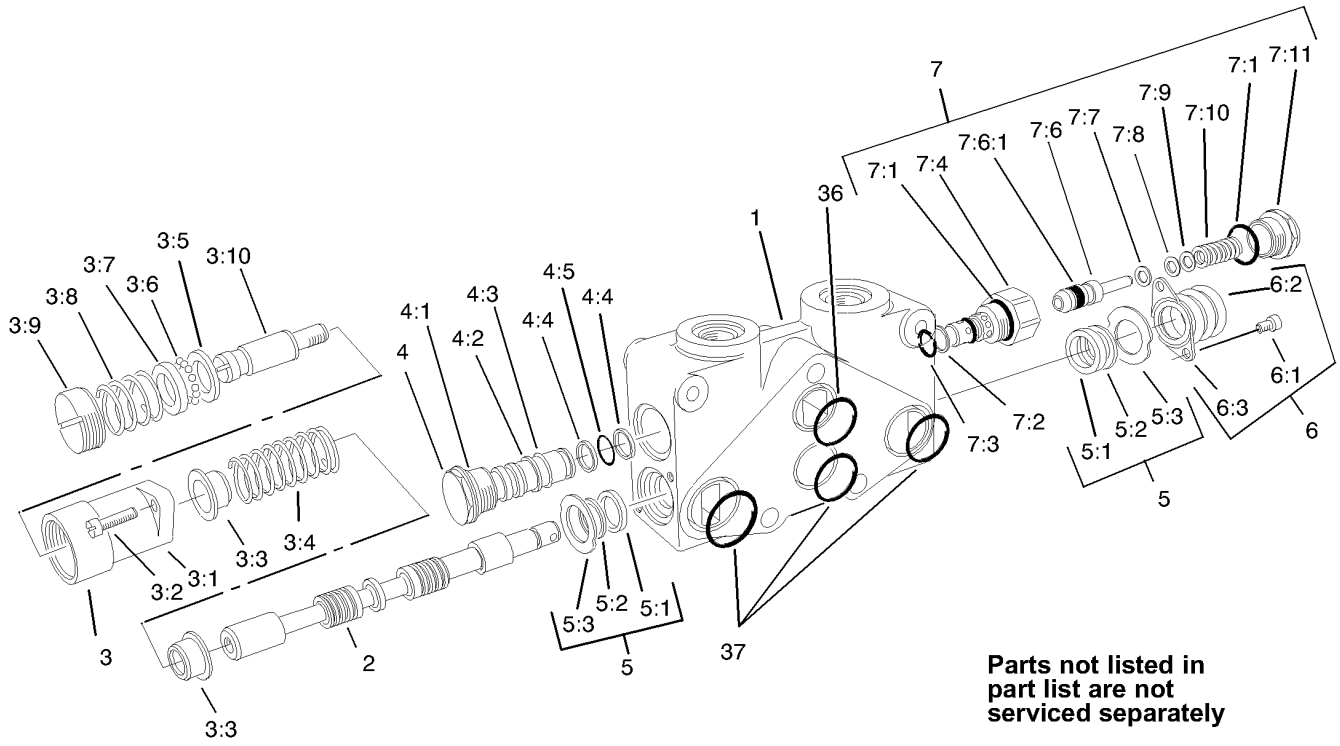
Parts not listed in part list are not serviced separately

Section 1 Assembly No. 105-3801

Ref.	*Part Number*	*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

Ref.	*Part Number*	*Qty.*	*Description*
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		1	Housing-V20C ●
6		1	Spool-V20C ●
7	353-301	1	Check-Lift, Poppet
8	353-304	1	Spring-Check, Lift
36		2	Seal-Dust ●
37		2	Seal-Dust ●

● Not serviced separately

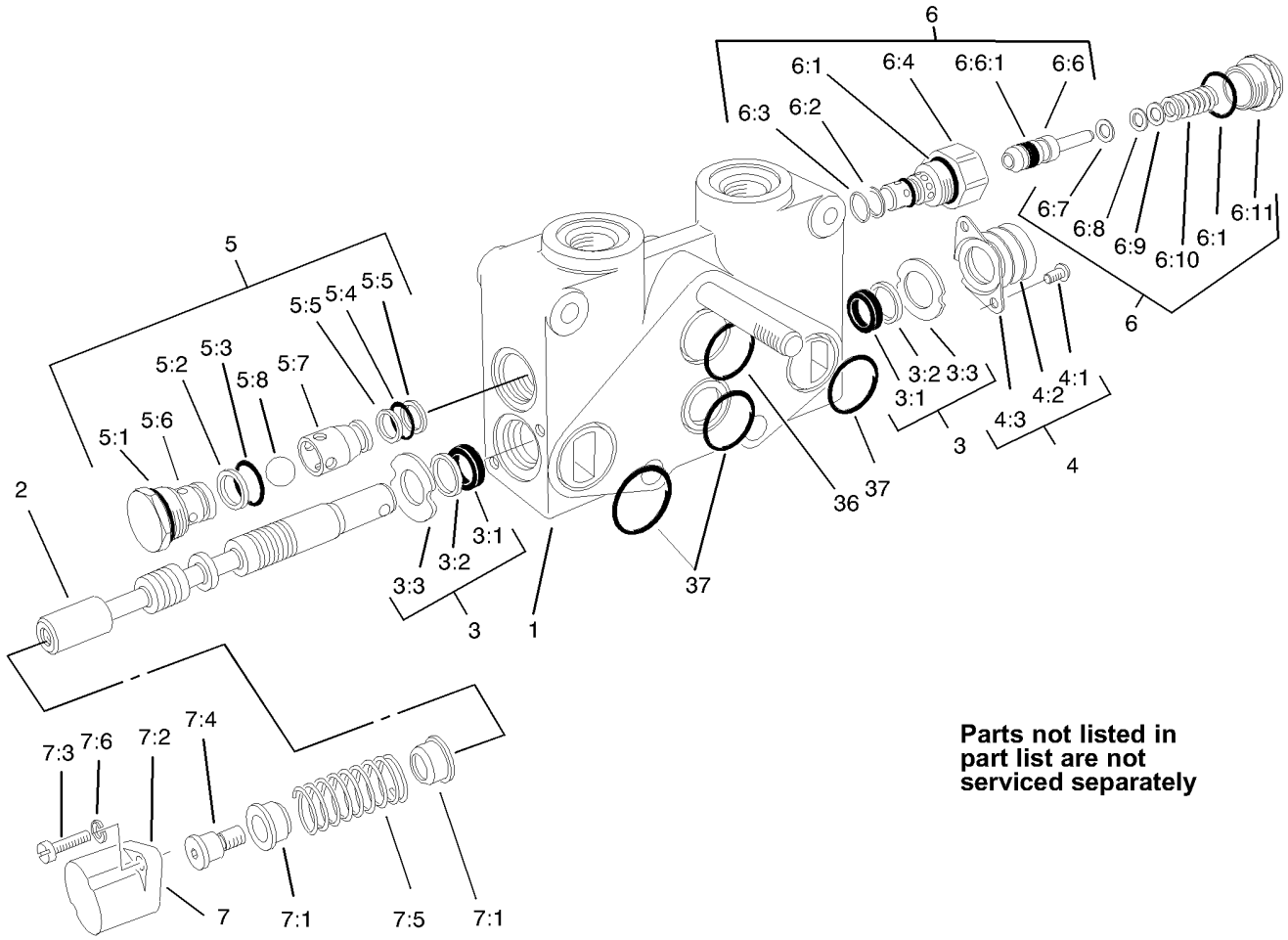


Parts not listed in part list are not serviced separately

Section 2 Assembly No. 105-3802

Ref.	*Part Number*	*Qty.*	*Description*
1		1	Housing-V20T ●
2		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
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
36		1	Seal-Dust ●
37		3	Seal-Dust ●

● Not serviced separately



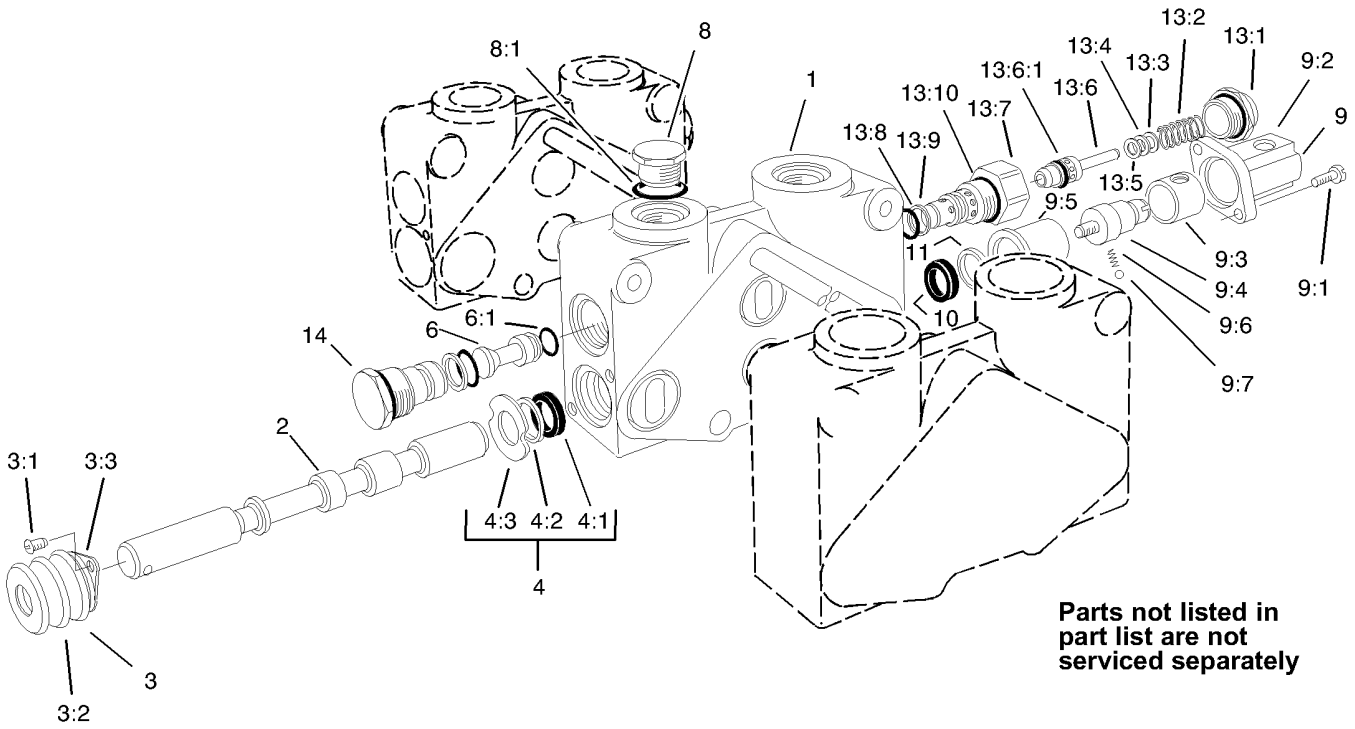
Parts not listed in part list are not serviced separately

Section 3 Assembly No. 105-3803

Ref.	Part Number	Qty.	Description
1		1	Housing-V20T ●
2		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

Ref.	Part Number	Qty.	Description
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
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-Return, Spring
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
36		1	Seal-Dust ●
37		3	Seal-Dust ●

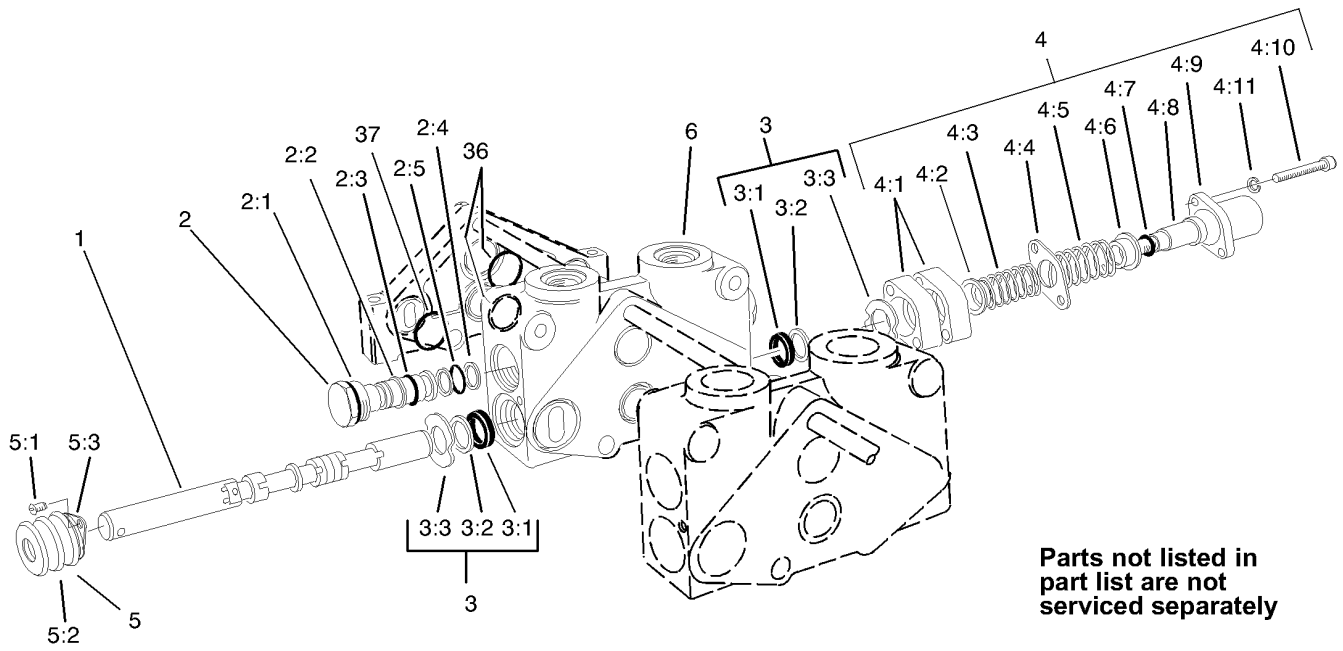
● Not serviced separately



Section 4 Assembly No. 105-3804

Ref.	Part Number	Qty.	Description
1		1	Housing-V20P ●
2		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, HH
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
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

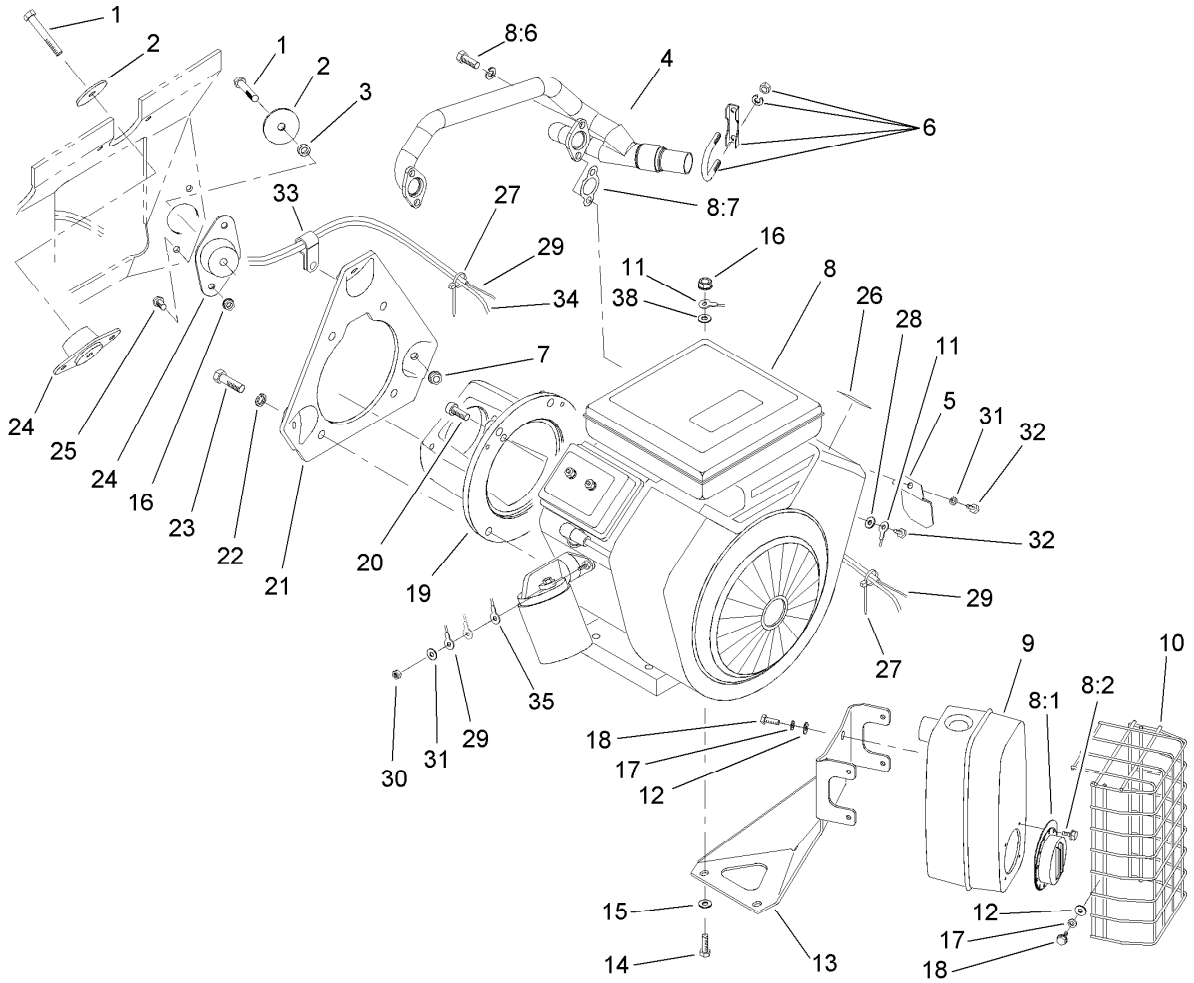
● Not serviced separately



Section 5 Assembly No. 93-1386

Ref.	Part Number	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
5:1	3274-52	2	Screw-HSH
5:2	353-575	1	Boot
5:3	93-3651	1	Retainer-Boot
6		1	Housing-V20P ●
36		1	Seal-Dust ●
37		3	Seal-Dust ●

● Not serviced separately



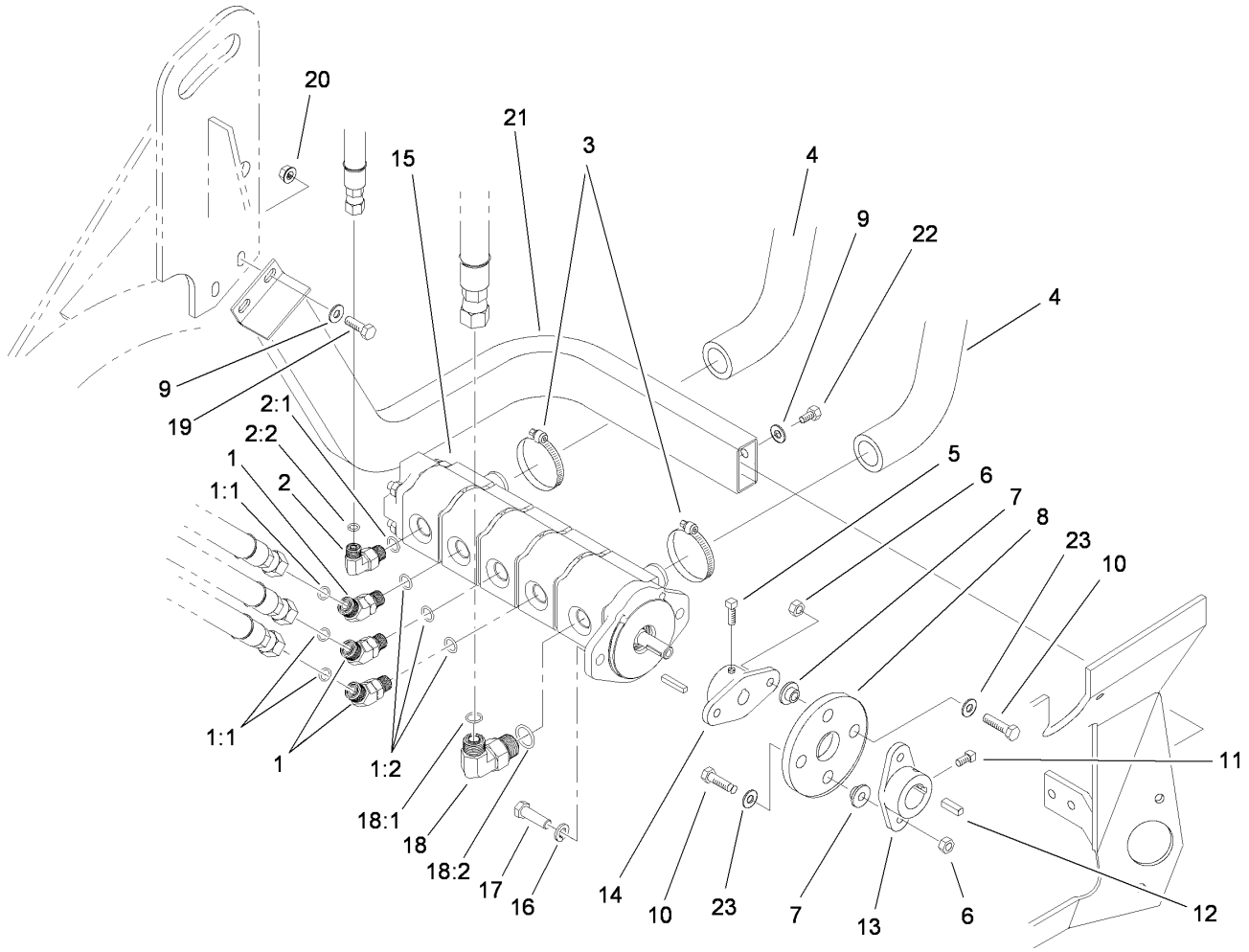
Engine Installation Assembly

Ref.	Part Number	Qty.	Description
1	323-12	3	Screw-HH
2	83-1040	3	Washer-Flat
3	83-1050	2	Spacer
4	108-6539	1	Manifold-Exhaust
5	83-2310	1	Shield-Regulator
6	2112-11	1	Muffler Clamp ASM
7	3290-357	3	Nut-HHF, Whiz
8	108-6499	1	Engine-Vanguard, Briggs And Stratton
8:1		1	Deflector-Exhaust ■
8:2		4	Screw-HH ■
8:6		4	Screw-HHF ■
8:7		2	Gasket-Manifold, Exhaust ■
9	98-0616	1	Muffler ASM
10	112-0220	1	Grille-Muffler
11	108-6486	1	Wire-Ground
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-HWHTF

Ref.	Part Number	Qty.	Description
19	83-1060-03	1	Adapter-Pump
20	3274-7	2	Screw-HSH
21	85-8120-03	1	Plate-Mount, Engine
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
28	3255-7	1	Washer-Lock/EXT
29	108-6493	1	Harness-Wire, Main
29:1	218-578	1	Fuse-Blade, 10 Amp ●
29:2	100-4918	2	Diode ●
29:3	106-2790	1	Link-Fusible ●
29:4	106-2791	1	Link-Fusible ●
30	43-2830	1	Nut-Hex
31	43-5930	2	Washer-Lock, Spring
32	33113-016	2	Screw-HH
33	2412-81	1	Clamp-R
34	98-2161	1	Cable-Battery, Positive
35	83-1150	1	Engine Ground Wire ASM
38	3255-8	1	Washer-Lock

● Not illustrated

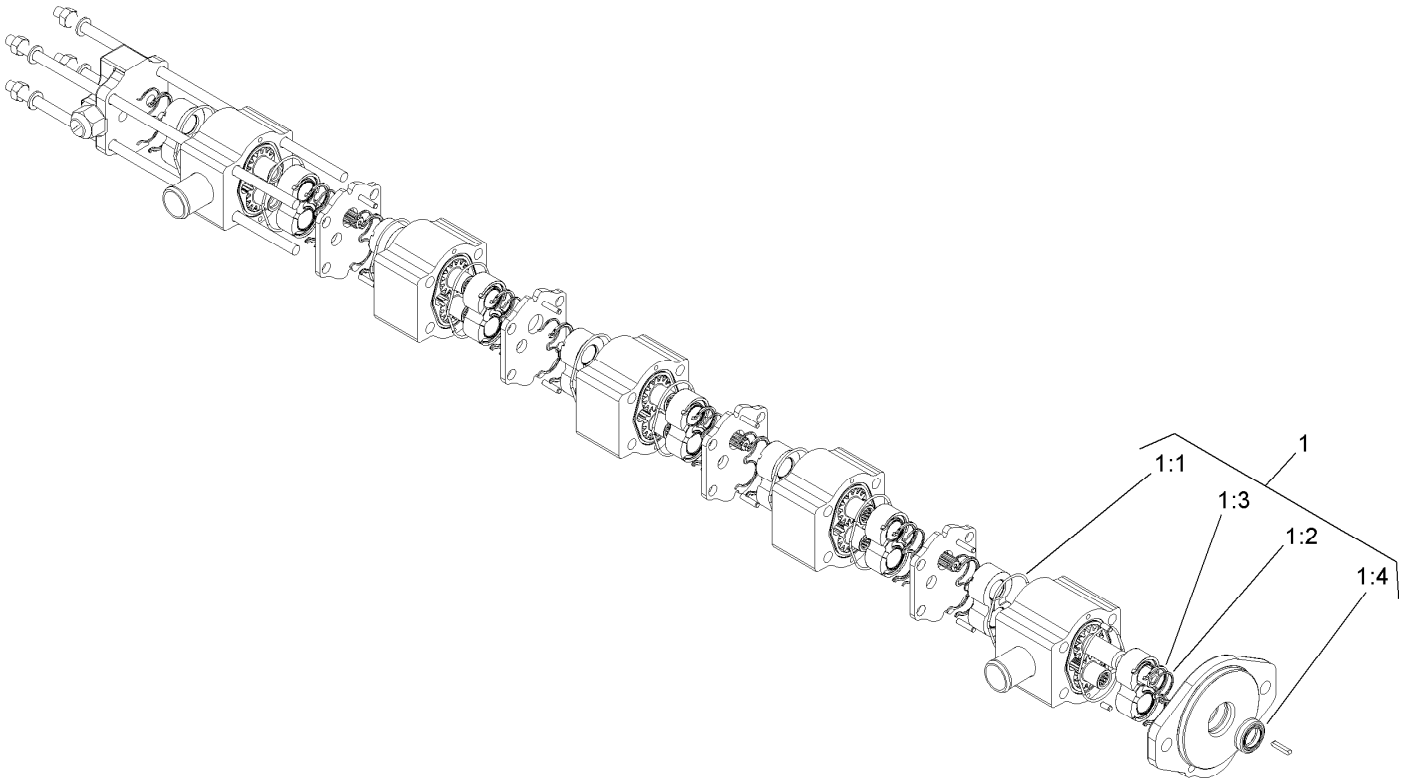
■ Not serviced separately



Hydraulic Pump Installation Assembly

Ref.	Part Number	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-Inlet, Pump
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	3241-7	2	Screw-SQH

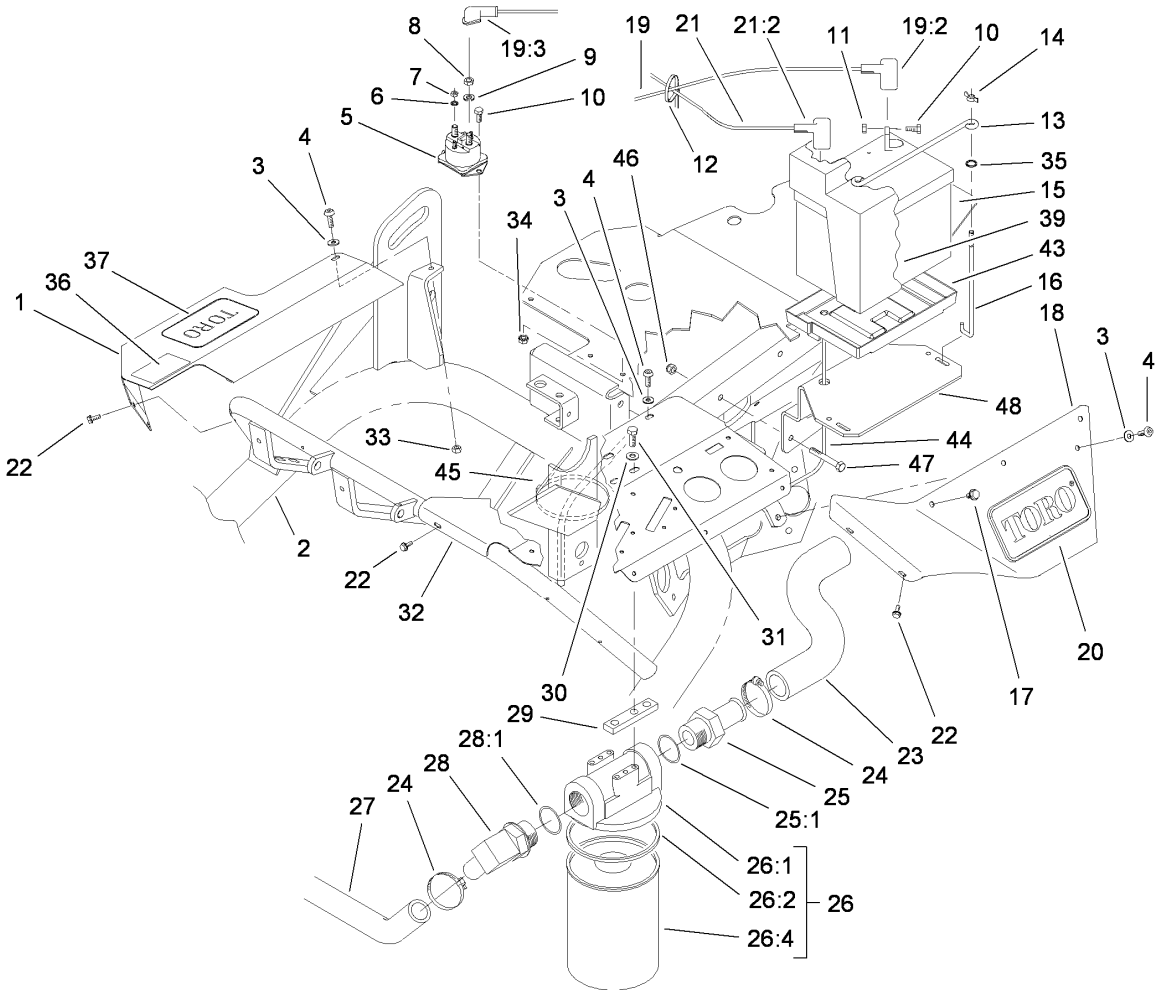
Ref.	Part Number	Qty.	Description
12	10-7070	1	Key-Square
13	110-5236	1	Hub-Engine
14	27-1970	1	Hub-Pump
15	107-2567	1	5 Section Gear Pump ASM
16	3253-21	2	Washer-Lock
17	323-7	2	Screw-HH
18	340-105	1	Fitting-HYD, 90 DEG
18:1	237-80	1	O-Ring
18:2	237-30	1	O-Ring
19	322-4	2	Screw-HH
20	32128-20	2	Nut-HF
21	106-9077-01	1	Guard ASM
22	322-1	2	Screw-HH
23	3256-3	4	Washer-Flat



Gear Pump Assembly No. 107-2567

Ref.	*Part Number*	*Qty.*	*Description*
1	107-2568	1	Seal Kit
1:1		10	Gasket-Seal ●
1:2		10	Seal-Back-Up ●
1:3		10	Seal-Channel ●
1:4		1	Seal-Lip ●

● Not serviced separately

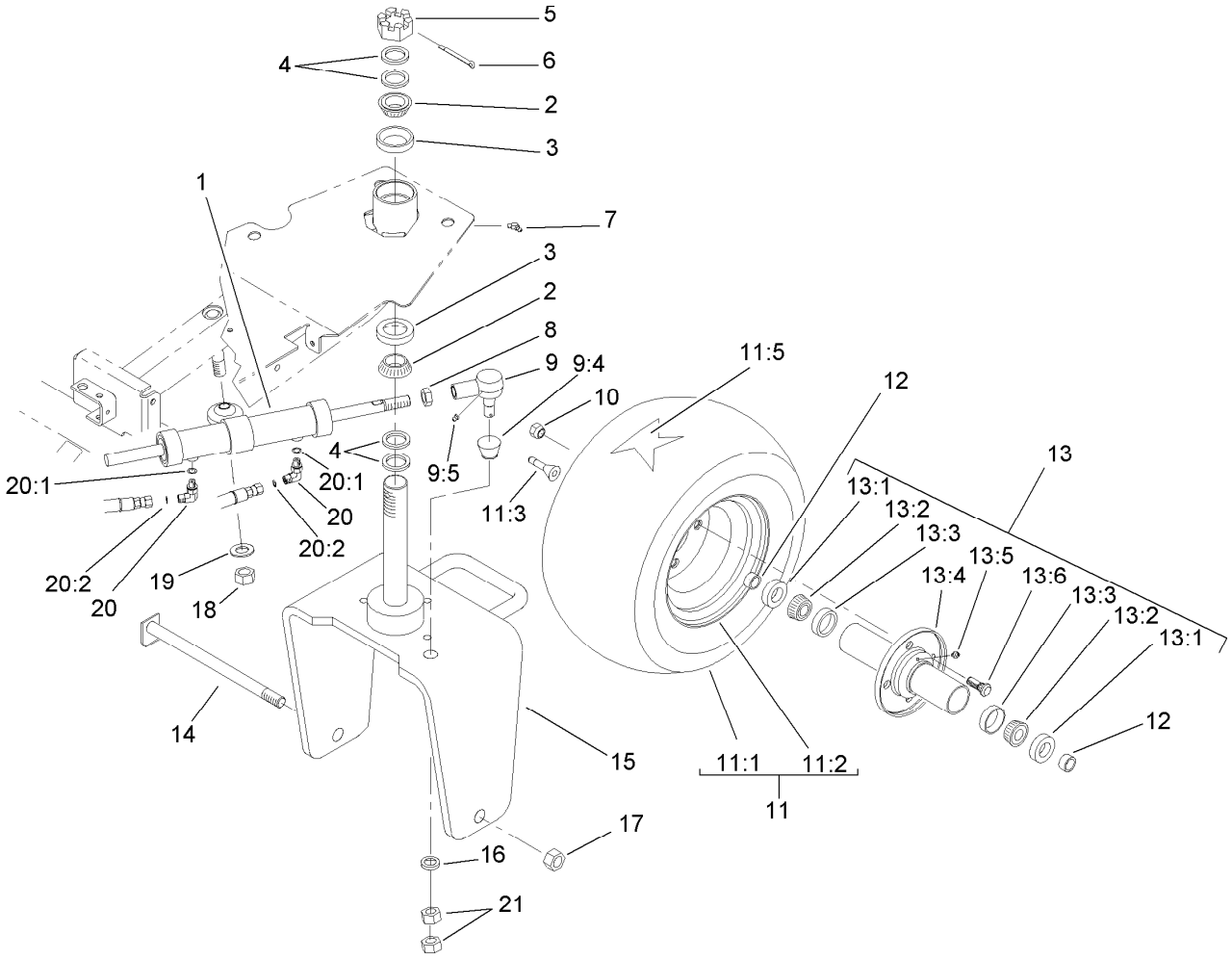


Frame Assembly

Ref.	Part Number	Qty.	Description
1	94-2694-01	1	Cover-RH
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, Brass
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-Hold Down, Battery
14	32103-22	2	Nut-Wing
15	104-8162	1	Battery
16	100-6435	2	Post-Battery
17	46-8560	3	Screw-HHFTF
18	83-0840-01	1	Shield-Cover, Valve
19	95-7144	1	Positive Cable ASM
19:2	28-8080	1	Boot-Terminal
19:3	83-2430	1	Boot-Terminal
20	105-9751	1	Decal
21	98-0604	1	Negative Cable ASM
21:2	98-0603	1	Boot-Terminal
22	32104-116	5	Screw
23	95-7119	1	Hose-Line, Return

Ref.	Part Number	Qty.	Description
24	2412-34	3	Clamp-Hose
25	95-4356	1	Fitting
25:1	237-71	1	O-Ring
26		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
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
48	104-2064-03	1	Battery Base ASM

● Not serviced separately

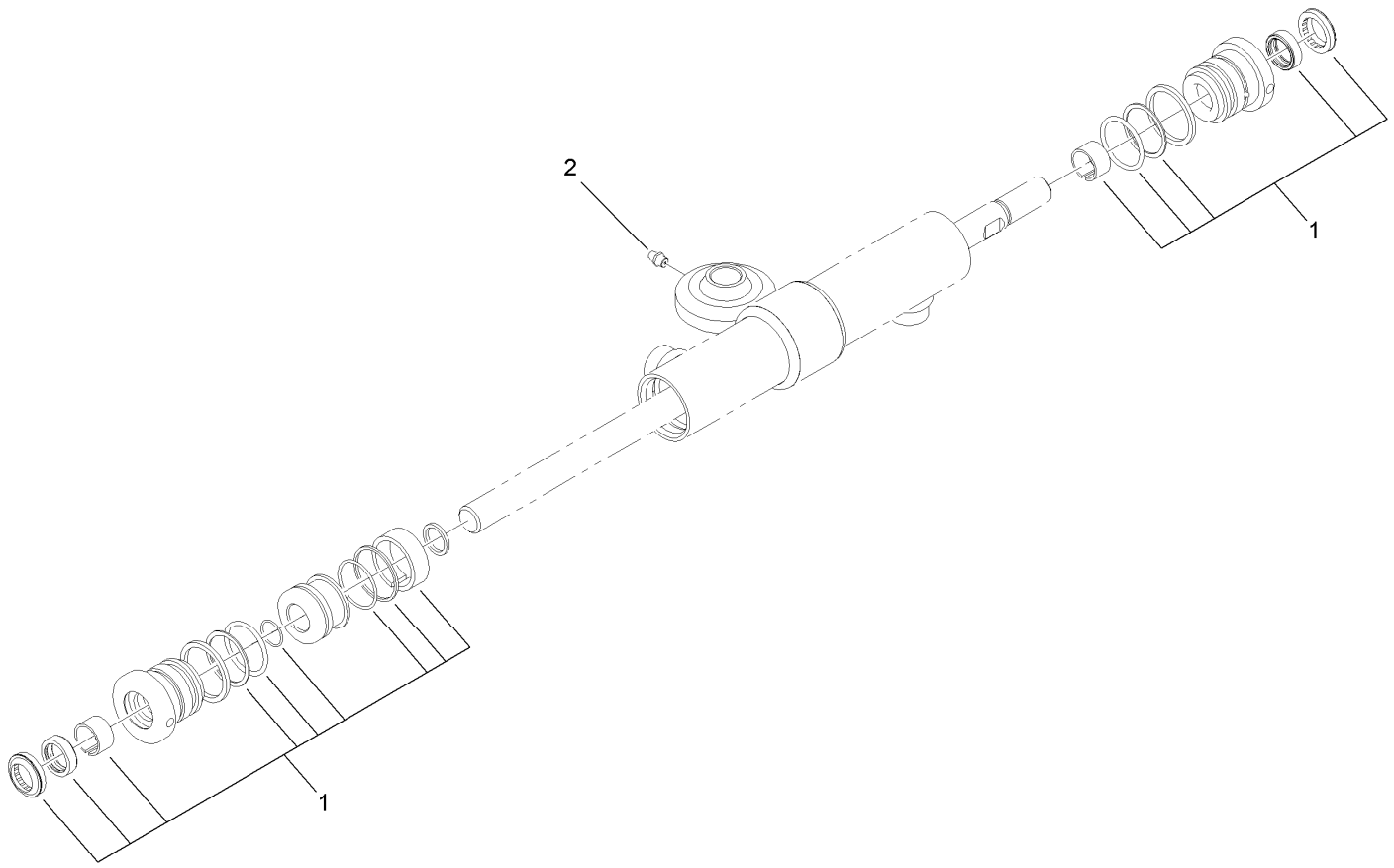


Rear Wheel Assembly

Ref.	Part Number	Qty.	Description
1	112-0296	1	HYD Cylinder ASM
2	254-70	2	Bearing-Cone
3	254-61	2	Cup-Bearing
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
9:4	106-6896	1	Seal
9:5	302-5	1	Fitting-Grease
10	242-50	4	Nut-Lug
11		1	Wheel And 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

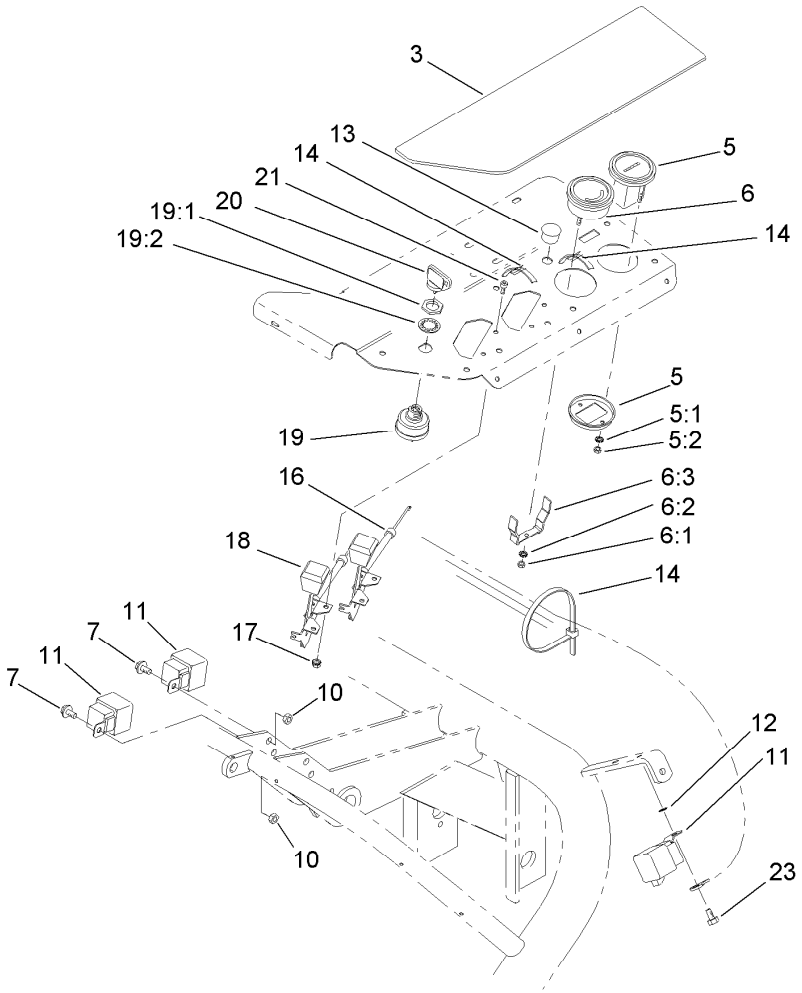
Ref.	Part Number	Qty.	Description
13	72-9710	1	Hub-Tire
13:1	253-111	2	Seal-Oil
13:2	254-78	2	Bearing-Cone
13:3	254-79	2	Bearing-Roller, Cup
13:4	75-9440	1	Hub ASM
13:5	302-11	1	Fitting-Lube, 45 DEG
13:6	10-6830	4	Stud-Type, Drive
14	5-3934	1	Bolt-Caster
15	95-5952-01	1	Fork Castor ASM
16	3256-27	1	Washer-Flat
17	3296-15	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	3220-6	2	Nut-Jam

● Not serviced separately



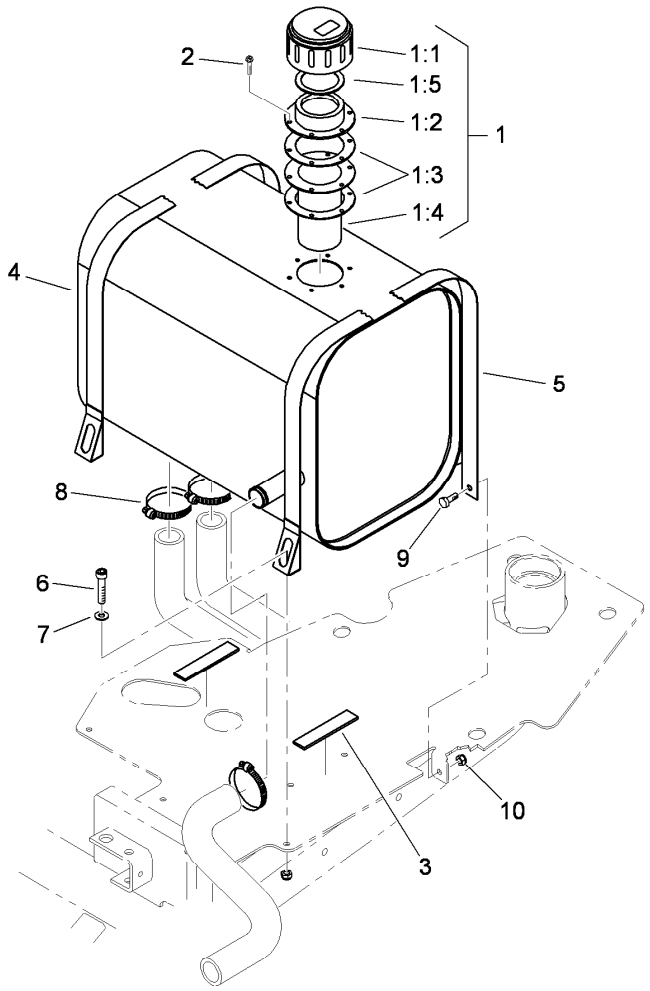
Hydraulic Cylinder Assembly No. 112-0296

Ref.	*Part Number*	*Qty.*	*Description*
1	112-9170	1	Kit-Seal
2	302-5	1	Fitting-Grease



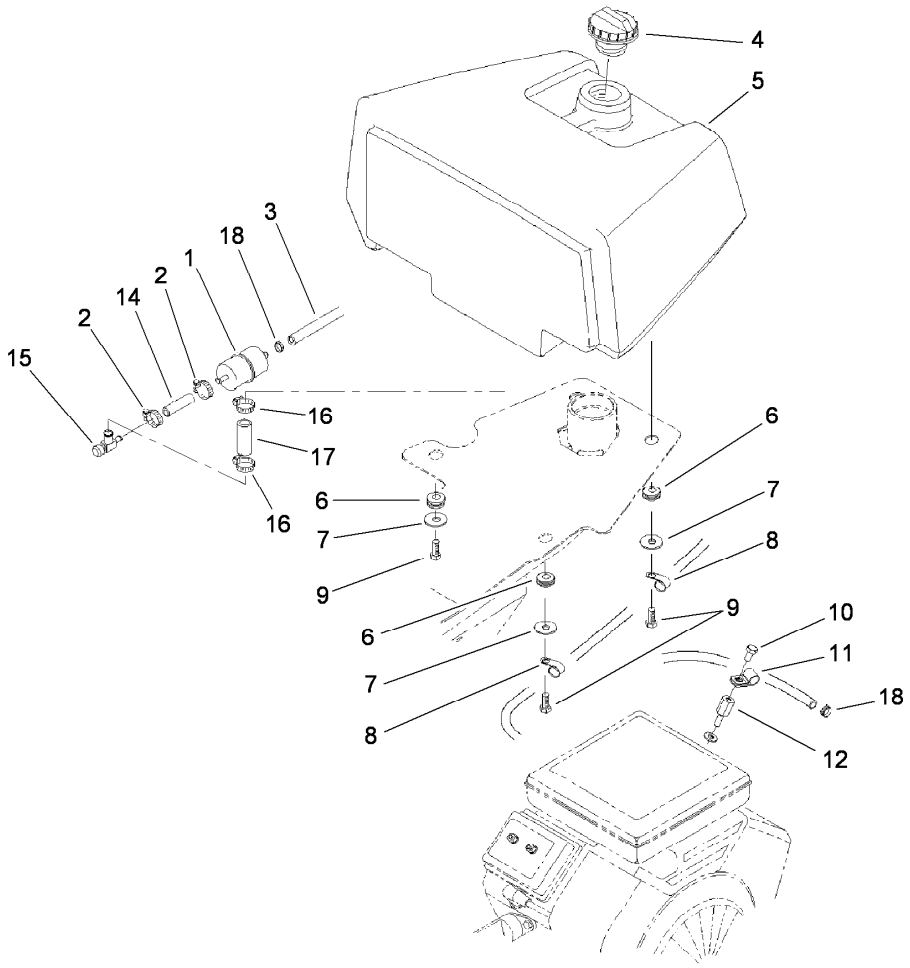
Control Panel Assembly

Ref.	*Part Number*	*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	2	Screw-HH
10	3296-16	2	Nut-Lock, NI
11	99-7430	3	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, NI
18	83-0030	1	Control-Throttle
19	104-2541	1	Switch ASM
19:1	218-461	1	Nut-HH
19:2	3254-5	1	Washer-Tooth, Internal
20	63-8360	2	Key-Ignition
21	3290-134	4	Screw
23	32104-95	1	Screw-HWH



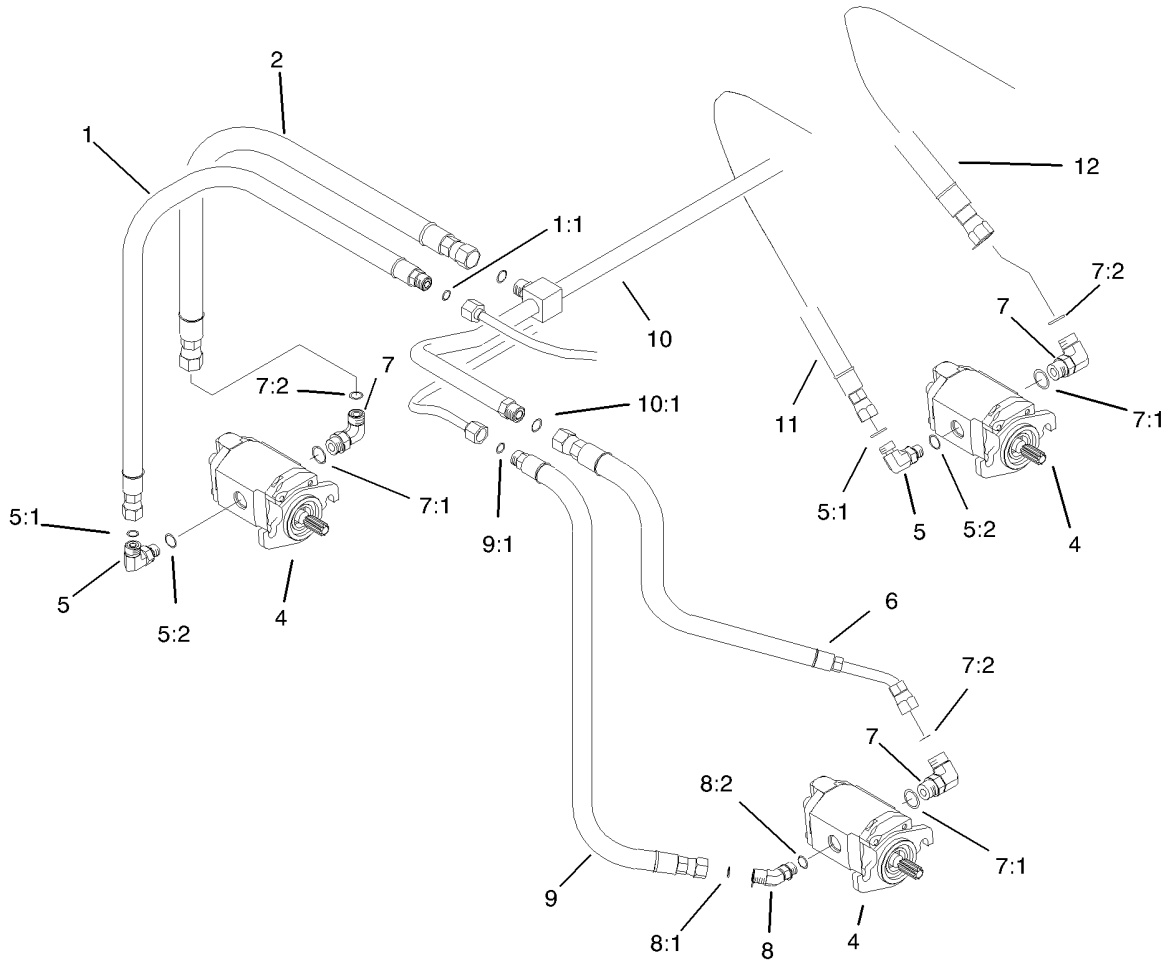
Hydraulic Reservoir Assembly

Ref.	*Part Number*	*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-HWHTF
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



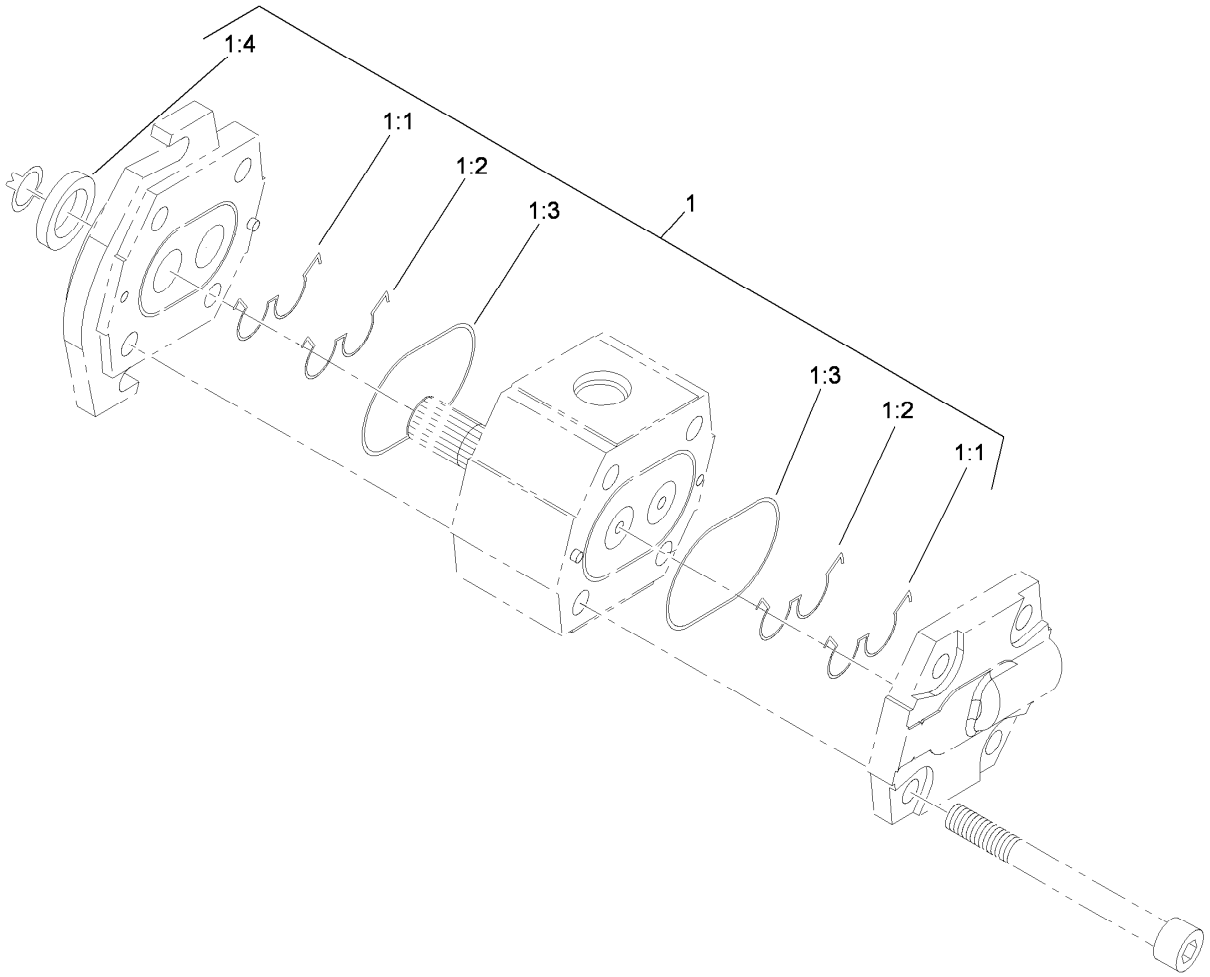
Fuel Tank Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	94-2690	1	Filter-Fuel
2	2412-108	2	Clamp-Worm
3	109-0275	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	109-0304	1	Hose-Fuel
15	83-1390	1	Valve-Shut-Off, Fuel
16	2412-36	2	Clamp-Hose
17	106-1128	1	Hose-Fuel
18	2412-98	2	Clamp



Reel Motor Installation Assembly

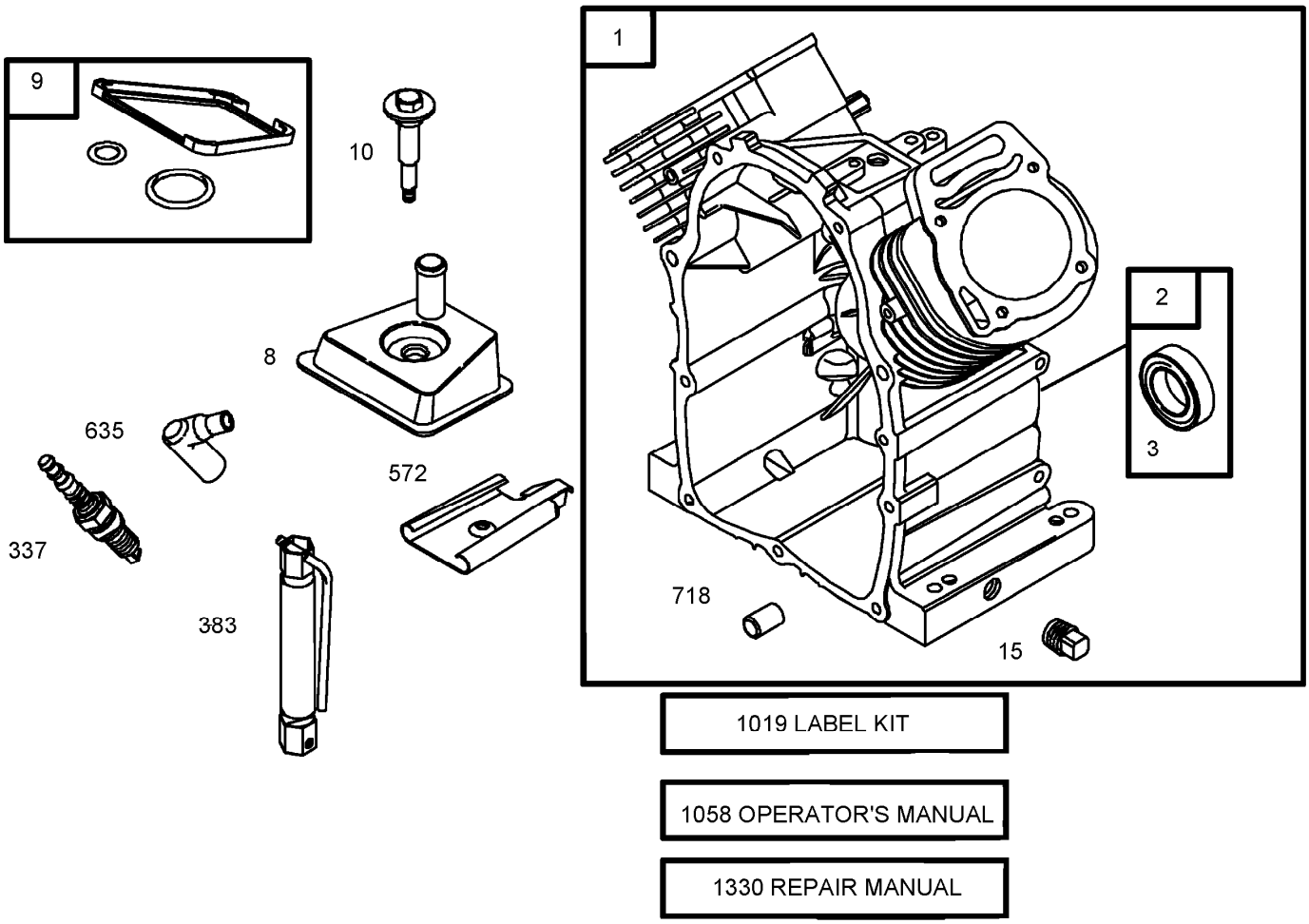
Ref.	*Part Number*	*Qty.*	*Description*
1	95-5984	1	Hose-HYD
1:1	237-22	1	O-Ring
2	95-5985	1	Hose-HYD
4	105-9770	3	HYD Motor ASM
5	340-77	2	Fitting-HYD, 90 DEG
5:1	237-22	1	O-Ring
5:2	237-42	1	O-Ring
6	95-5989	1	Hose-HYD
7	340-98	3	Fitting-HYD, 90 DEG
7:1	237-79	1	O-Ring
7:2	237-30	1	O-Ring
8	340-87	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 Number*	*Qty.*	*Description*
1	106-6362	1	Seal Kit
1:1		2	Seal-Extrusion, Anti ●
1:2		2	Seal-Pressure Loading ●
1:3		2	O-Ring ●
1:4		1	Seal-Shaft ●

● Not serviced separately

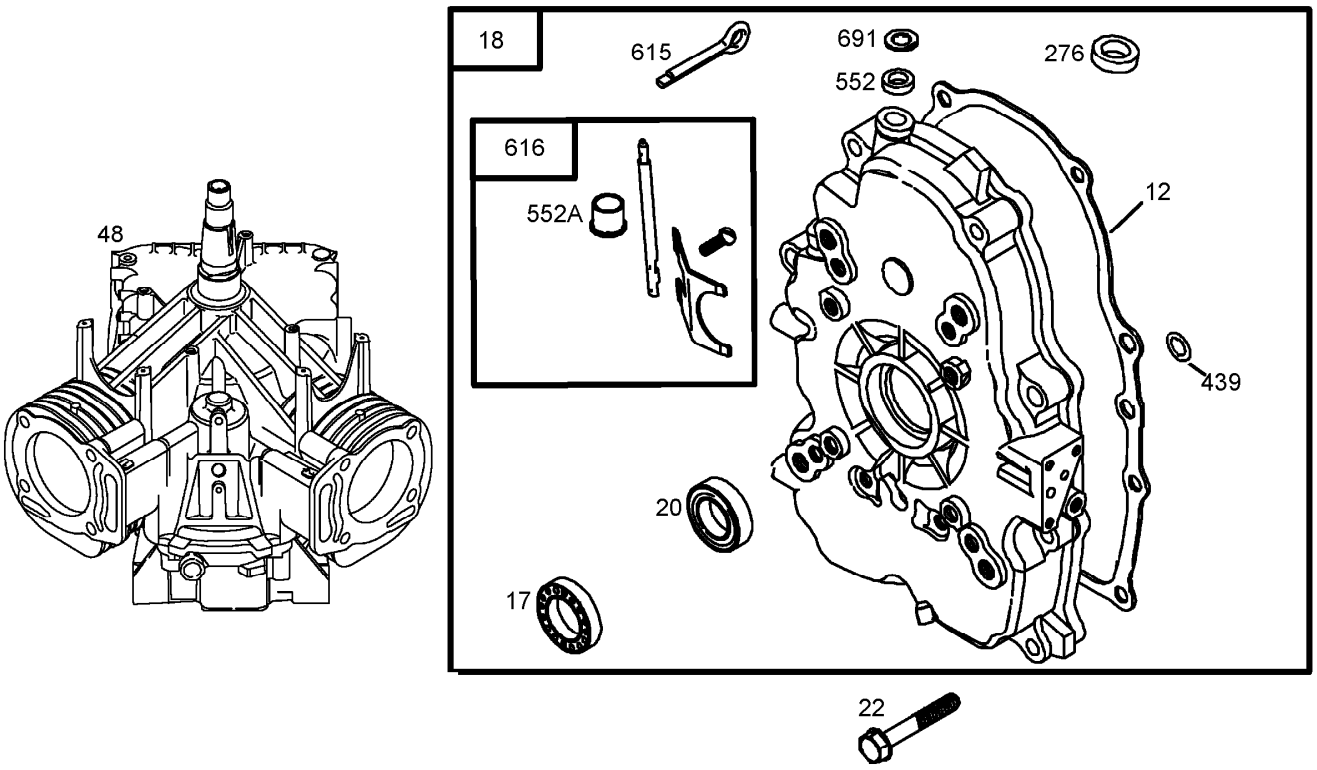


Cylinder Assembly
Briggs and Stratton 356447-0200-E1

Ref.	*Part Number*	*Qty.*	*Description*
1	692544	1	Cylinder ASM ●
2	808534	1	Bushing-Seal Kit ●
3	805101	1	Seal-Oil ● ■
8	808984	1	Breather ASM ●
9	809094	1	Gasket-Breather ● ■
10	690751	1	Screw (Breather ASM) ●
15	690946	1	Plug-Drain, Oil ●
337	496018	1	Spark Plug ●
383	19374	1	Wrench-Spark Plug ●
572	690686	1	Baffle-Breather ●
635	692076	1	Boot-Spark Plug ●
718	806469	1	Pin-Locating ●
1019	808036	1	Label Kit ●
1058	276343	1	Operator Manual ●
1330	272144	1	Repair Manual ●

● Obtain parts from www.briggsandstratton.com

■ Included in Engine Gasket Set (Ref. No. 358)

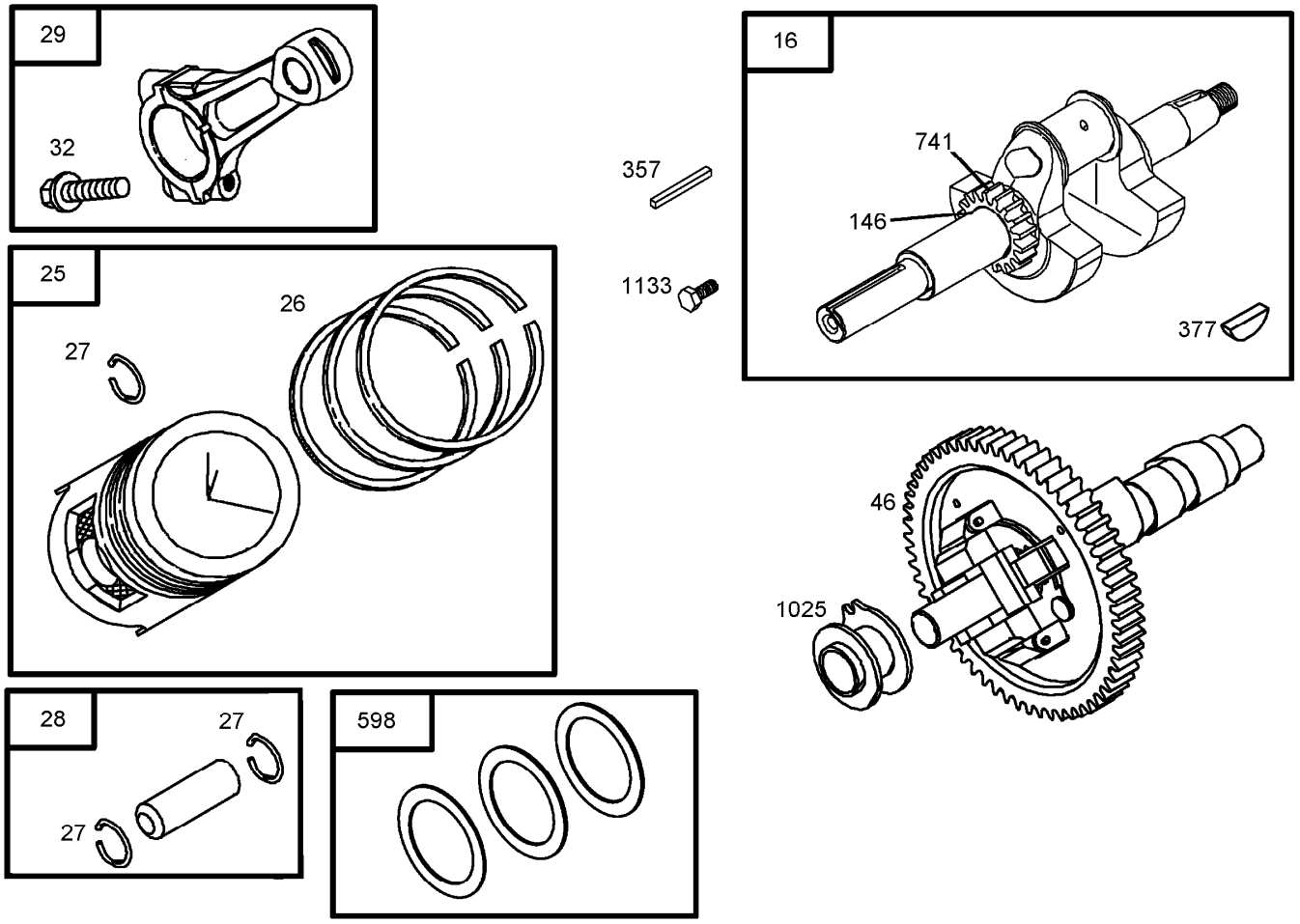


Crankcase Assembly
Briggs and Stratton 356447-0200-E1

Ref.	*Part Number*	*Qty.*	*Description*
12	691684	1	Gasket-Crankcase ●■
17	690752	1	Bearing-Ball ●
18	808847	1	Cover-Crankcase ●
20	805049	1	Seal-Oil ●■
22	807362	1	Screw (Crankcase Cover) ●
48		1	Short Block (Not Available At Time Of Print) ●
276	690724	1	Washer-Sealing ●
439	692154	1	Seal-O Ring ●■
552	690701	1	Bushing-Crank, Governor ●
552A	806686	1	Bushing-Crank, Governor ●
615	691550	1	Retainer-Shaft, Governor ●
616	806685	1	Crank-Governor ●
691	690680	1	Seal-Shaft, Governor ●■

● Obtain parts from www.briggsandstratton.com

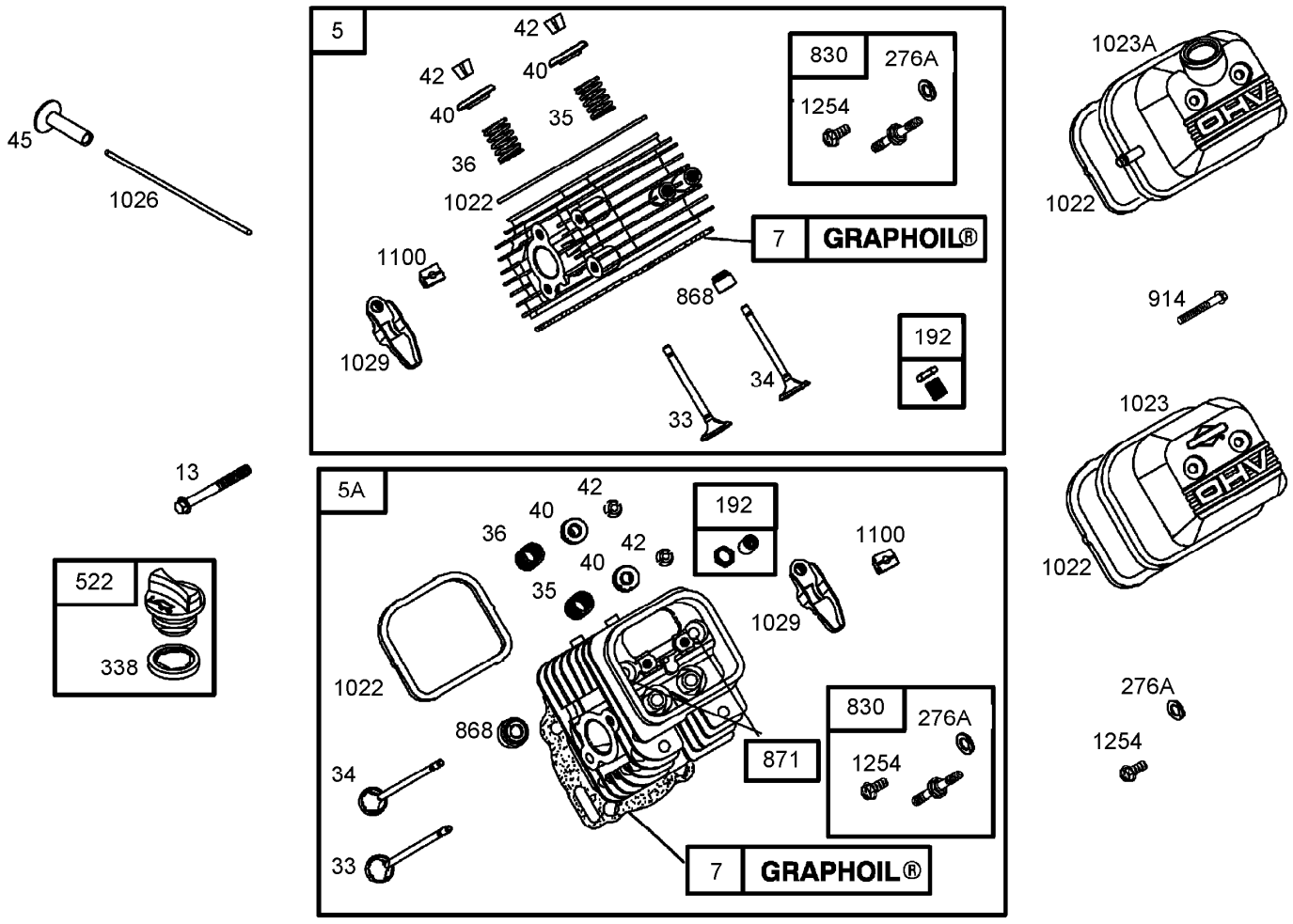
■ Included in Engine Gasket Set (Ref. No. 358)



Crankshaft Assembly
Briggs and Stratton 356447-0200-E1

Ref.	*Part Number*	*Qty.*	*Description*
16	809842	1	Crankshaft ●
25	808326	1	Piston ASM (Standard) ●
25	808337	1	Piston ASM (.020 O.S.) ●
26	807889	1	Ring Set (Standard) ●
26	807995	1	Ring Set (.020 O.S.) ●
27	690683	1	Lock-Pin, Piston ●
28	807886	1	Pin-Piston ●
29	807900	1	Rod-Connecting (Standard) ●
29	807803	1	Rod-Connecting (.020 Undersize) ●
32	690698	1	Screw ●
46	691557	1	Camshaft ●
146	691639	1	Key-Timing ●
357	691483	1	Key pulley , Drive ●
377	808095	1	Key-Woodruff ●
598	807625	1	Shim-Play, End ●
741	691530	1	Gear-Timing ●
1025	690689	1	Spool-Governor ●
1133	690342	1	Screw (Crankshaft) ●

● Obtain parts from www.briggsandstratton.com

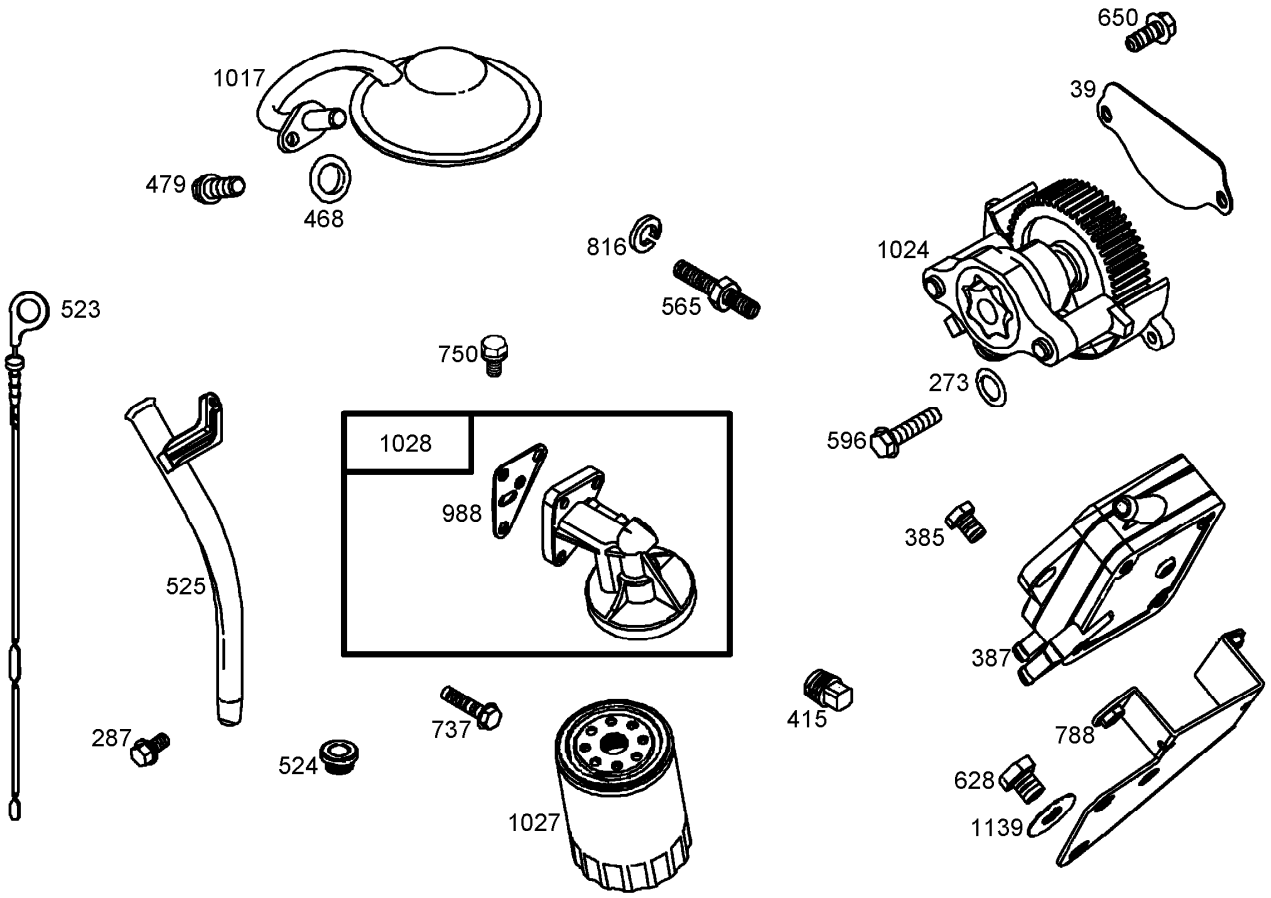


Cylinder Head Assembly
Briggs and Stratton 356447-0200-E1

Ref.	Part Number	Qty.	Description
5	809185	1	Cylinder Head (No. 1) ●
5A	809186	1	Cylinder Head (No. 2) ●
7	690888	1	Gasket-Head, Cylinder ●■▲
13	692059	1	Screw (Cylinder Head) ●
33	807681	1	Valve-Exhaust ●
34	807680	1	Valve-Intake ●
35	692084	1	Spring-Valve ●
36	692084	1	Spring-Valve ●
40	692058	1	Retainer-Valve ●
42	807683	1	Keeper-Valve ●
45	690977	1	Tappet-Valve ●
192	807623	1	Adjuster-Arm, Rocker ●
276A	807085	1	Washer-Sealing ■▲●
338	691312	1	Seal-O Ring ■▲●

Ref.	Part Number	Qty.	Description
522	491832	1	Plug-Fill, Dipstick ●
830	809157	1	Stud-Arm, Rocker ●
868	691963	1	Seal-Valve ■▲●
871	692057	1	Bushing-Guide, Valve ●
914	807120	1	Screw (Rocker Cover) ●
1022	806039	1	Gasket-Cover, Rocker ■▲●
1023	691494	1	Cover-Valve ●
1023A	690910	1	Cover-Valve ●
1026	691836	1	Rod-Push (Intake) ●
1026	691758	1	Rod-Push (Exhaust) ●
1029	807323	1	Arm-Rocker ●
1100	690973	1	Pivot-Arm, Rocker ●
1254	807084	1	Screw (Rocker Arm Stud) ●

● Obtain parts from www.briggsandstratton.com
▲ Included in Valve Gasket Set (Ref. No. 1095)
■ Included in Engine Gasket Set (Ref. No. 358)

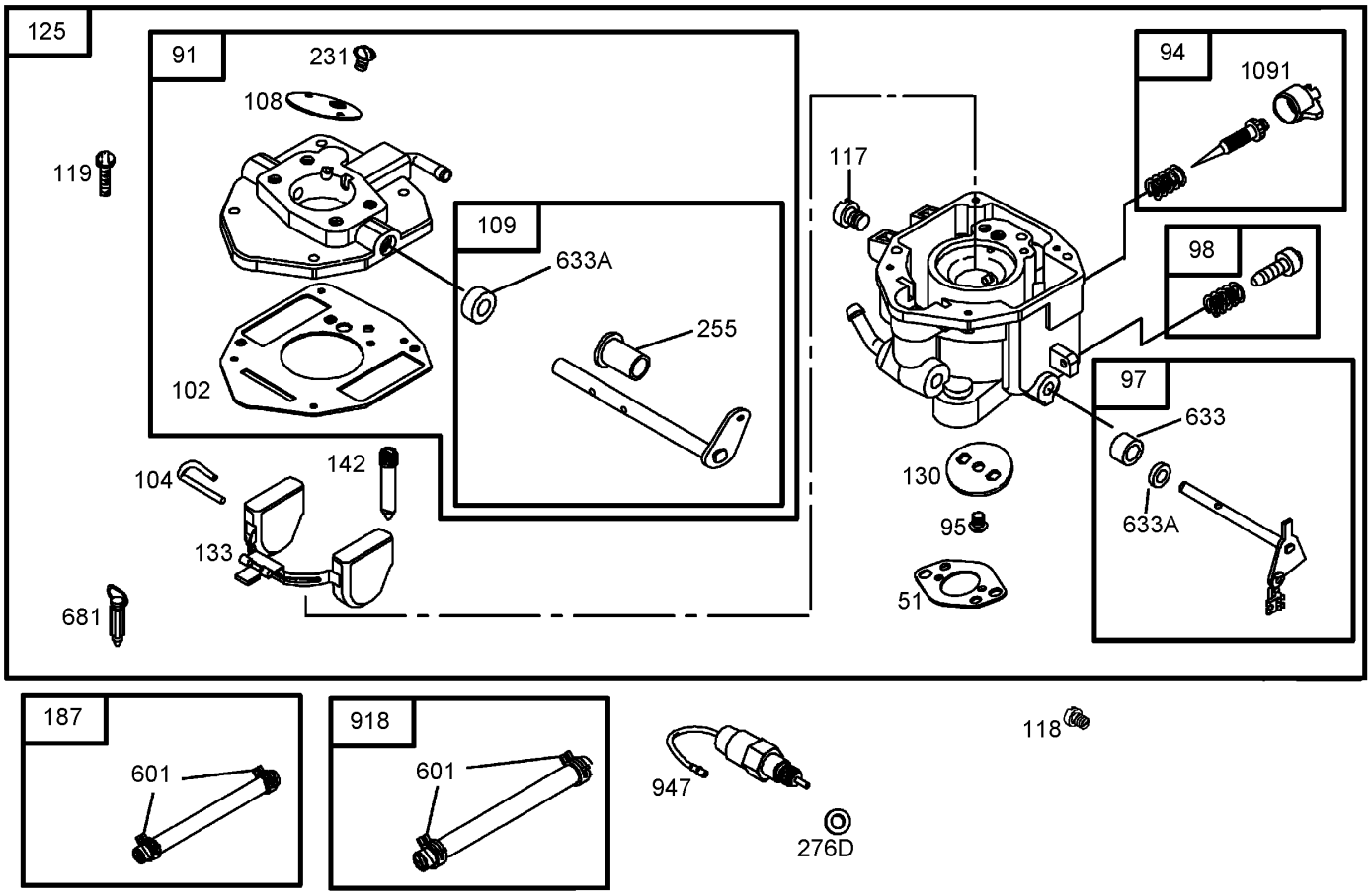


Oil Filter, Tube and Pump Assembly
Briggs and Stratton 356447-0200-E1

Ref.	Part Number	Qty.	Description
39	690745	1	Deflector-Oil ●
273	690681	1	Seal-O Ring ■ ●
287	692062	1	Screw ●
385	807084	1	Screw ●
387	808969	1	Pump-Fuel ●
415	690283	1	Plug-Oil ●
468	690690	1	Seal-O Ring ■ ●
479	807084	1	Screw ●
523	693175	1	Dipstick ●
524	693172	1	Seal-Tube, Dipstick ■ ▲ ●
525	693174	1	Tube-Dipstick ●
565	690682	1	Stud (Oil Filter Adapter) ●
596	691492	1	Screw ●

Ref.	Part Number	Qty.	Description
628	692062	1	Screw ●
650	841233	1	Screw ●
737	690679	1	Screw (Oil Filter Adapter) ●
750	692539	1	Screw ●
788	691559	1	Bracket-Pump, Fuel ●
816	690706	1	Washer ●
988	692063	1	Gasket-Adapter, Oil Filter ● ■
1017	690900	1	Screen-Pump, Oil ●
1024	693185	1	Pump-Oil ●
1027	492932	1	Filter-Oil ●
1028	808235	1	Adapter-Filter, Oil ●
1139	806497	1	Washer ●

● Obtain parts from www.briggsandstratton.com
▲ Included in Valve Gasket Set (Ref. No. 1095)
■ Included in Engine Gasket Set (Ref. No. 358)

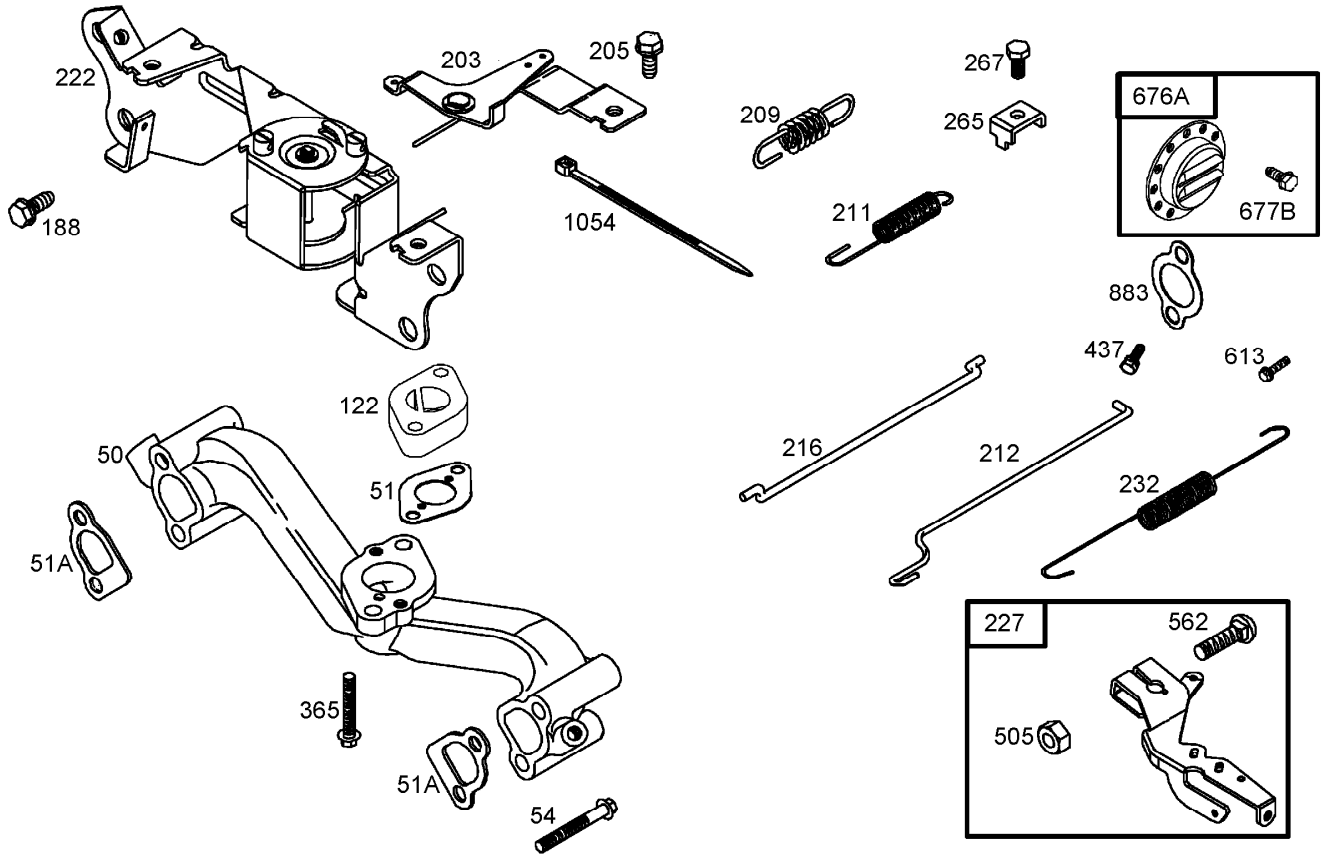


Carburetor Assembly
Briggs and Stratton 356447-0200-E1

Ref.	Part Number	Qty.	Description
51	691694	1	Gasket-Intake ■●
91	809208	1	Upper Carburetor Body ASM ●
94	808257	1	Idle Mixture Kit ●▲
95	690718	1	Screw ●
97	807495	1	Shaft throttle ●
98	808981	1	Idle Speed Kit ●
102	692077	1	Gasket-Body, Carburetor ▲●
104	690723	1	Pin-Hinge, Float ▲●
108	690719	1	Valve-Choke ●
109	809096	1	Shaft-Choke ●
117	690862	1	Jet main (STD) ▲●
118	809442	1	Jet main (High Altitude) ●
119	690720	1	Screw ●
125	809217	1	Carburetor ●

Ref.	Part Number	Qty.	Description
130	690726	1	Valve-Throttle ●
133	806961	1	Float-Carburetor ●
142	690725	1	Nozzle-Carburetor ●
187	791766	1	Line-Fuel ●
231	690718	1	Screw ●
255	690721	1	Bushing-Shaft, Choke ▲●
276D	806137	1	Washer-Sealing ●
601	791850	1	Clamp-Hose ●
633	806131	1	Seal-Shaft, Choke Throttle ▲●
633A	690722	1	Seal-Shaft, Choke Throttle ▲●
681	808798	1	Valve-Needle, Float ●▲
918	393815	1	Line-Vacuum ●
947	692094	1	Solenoid-Fuel ●
1091	691516	1	Cap-Limiter ●▲

● Obtain parts from www.briggsandstratton.com
▲ Included in Carburetor Overhaul Kit (Ref. No. 121)
■ Included in Engine Gasket Set (Ref. No. 358)

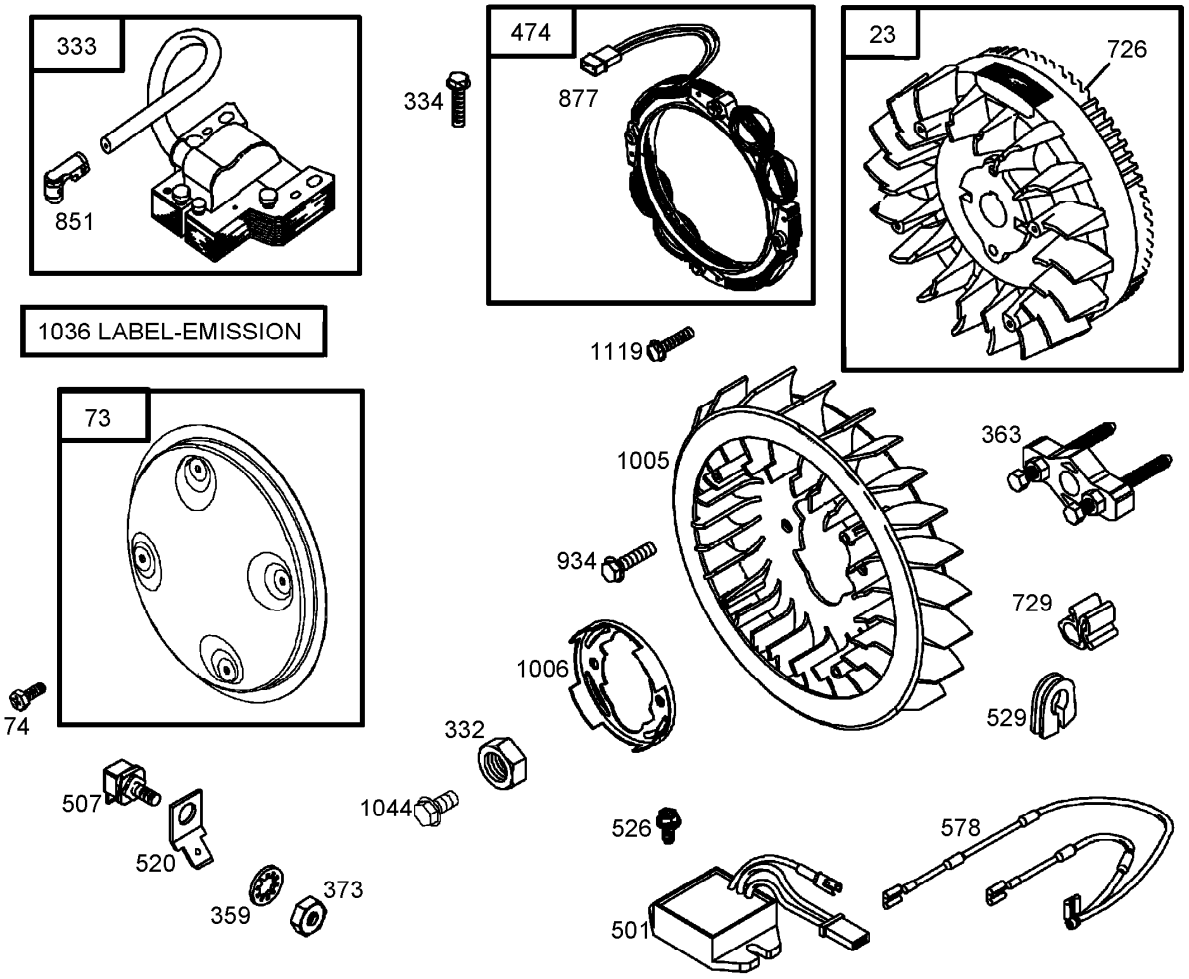


Governor Assembly
Briggs and Stratton 356447-0200-E1

Ref.	Part Number	Qty.	Description
50	690754	1	Manifold-Intake ●
51	691694	1	Gasket-Intake ■●
51A	692035	1	Gasket-Intake ■▲●
54	690676	1	Screw ●
122	690691	1	Spacer-Carburetor ●
188	692056	1	Screw ●
203	690923	1	Crank-Bell ●
205	692083	1	Screw ●
209	806872	1	Spring-Governor ●
211	806868	1	Spring-Idle, Governor ●
212	690712	1	Link-Throttle ●
216	690705	1	Link-Choke ●
222	808454	1	Bracket-Control ●

Ref.	Part Number	Qty.	Description
227	690236	1	Lever-Control, Governor ●
232	692073	1	Spring-Link, Governor ●
265	691024	1	Clamp-Casing ●
267	692083	1	Screw ●
365	690711	1	Screw ●
437	691902	1	Screw (Exhaust Manifold) ●
505	690238	1	Nut ●
562	690239	1	Bolt ●
613	691902	1	Screw (Muffler) ●
676A	397630	1	Deflector-Exhaust ●
677B	690661	1	Screw ●
883	691613	1	Gasket-Exhaust ●■▲
1054	280275	1	Tie-Cable ●

● Obtain parts from www.briggsandstratton.com
▲ Included in Valve Gasket Set (Ref. No. 1095)
■ Included in Engine Gasket Set (Ref. No. 358)



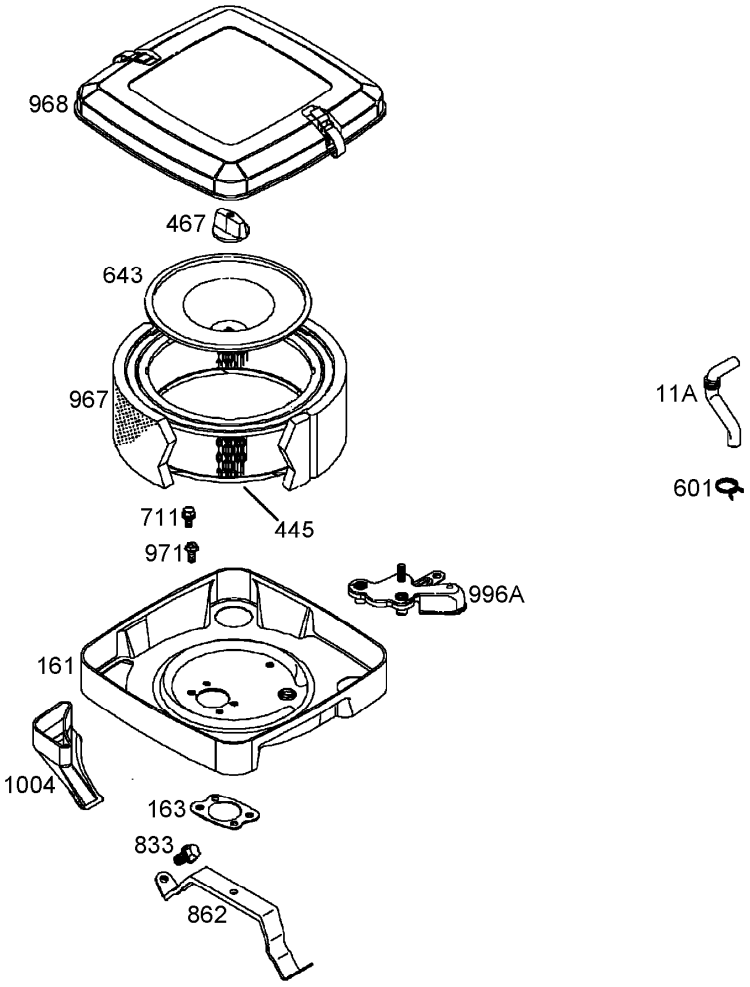
Blower Housing Assembly
Briggs and Stratton 356447-0200-E1

Ref.	Part Number	Qty.	Description
23	841050	1	Flywheel ■
73	841440	1	Screen rotating ■
74	841441	1	Screw ■
332	690887	1	Nut ■
333	492341	1	Armature-Magneto ■
334	692066	1	Screw (Magneto Armature) ■
359	691077	1	Washer ■
363	19203	1	Puller-Flywheel ■
373	691612	1	Nut ■
474	696458	1	Alternator ■
501	691185	1	Regulator ■
507	691972	1	Insulator ■
520	691084	1	Terminal-Ground ■

Ref.	Part Number	Qty.	Description
526	692067	1	Screw ■
529	690744	1	Grommet ■
578	692319	1	Wire ASM ■
726		1	Gear ring ● ■
729	690586	1	Clip-Wire ■
851	493880	1	Terminal-Spark Plug ■
877	399916	1	Connector-Wire, Alternator ■
934	691058	1	Screw ■
1005	841439	1	Fan flywheel ■
1006	690452	1	Retainer-Fan ■
1036	842669	1	Label emission ■
1044	692056	1	Screw ■
1119	691552	1	Screw (Alternator) ■

● Not serviced separately

■ Obtain parts from www.briggsandstratton.com

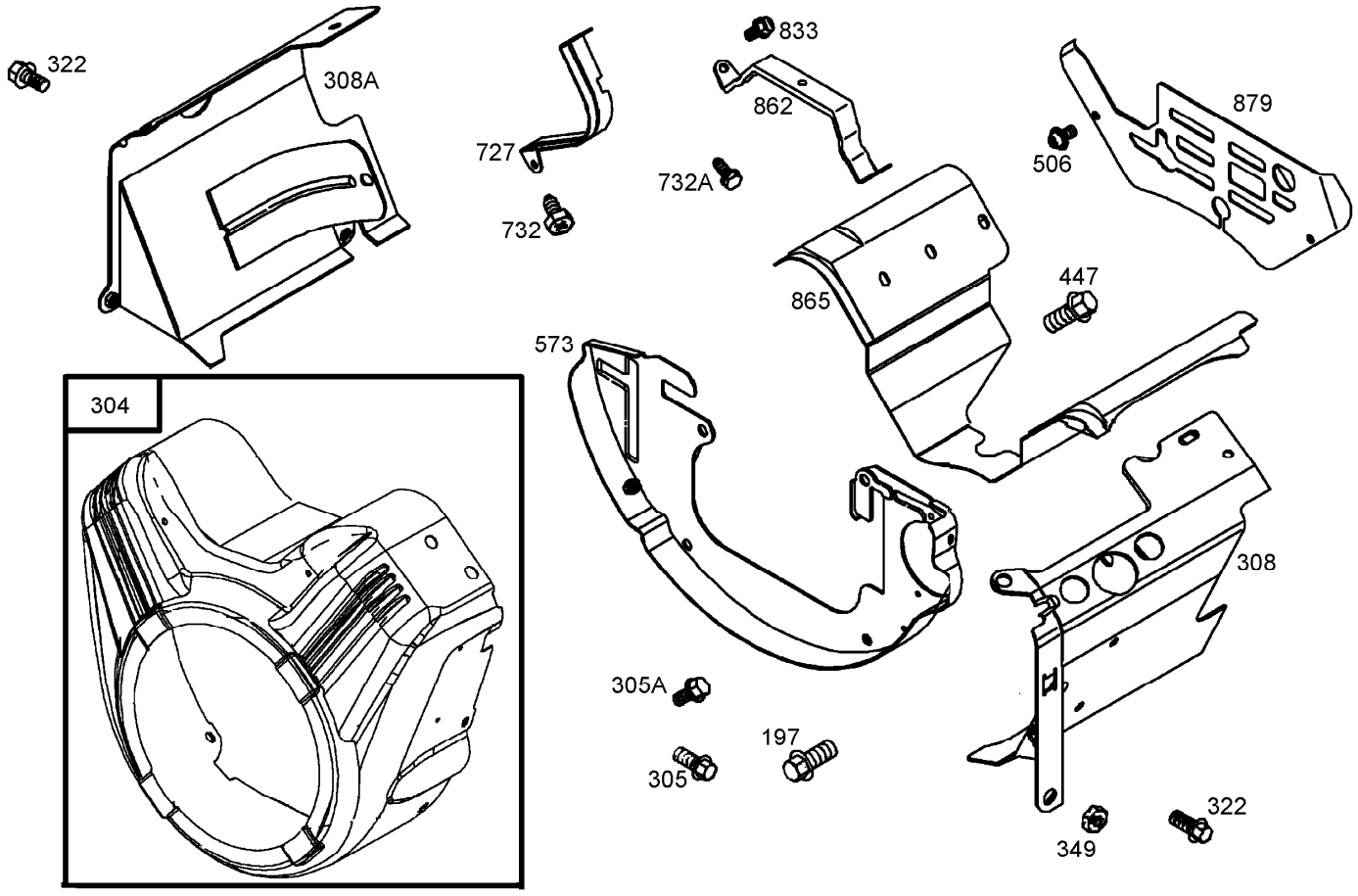


Air Cleaner Assembly
Briggs and Stratton 356447-0200-E1

Ref.	*Part Number*	*Qty.*	*Description*
11A	806083	1	Tube-Breather ●
161	691561	1	Base-Cleaner, Air ●
163	692081	1	Gasket-Cleaner, Air ●■
445	394018	1	Filter-Air ●
467	691985	1	Knob-Cleaner, Air ●
601	691038	1	Clamp-Hose ●
643	692079	1	Retainer-Filter, Air ●
711	841233	1	Screw ●
833	841233	1	Screw ●
862	692153	1	Strap-Stud Mounting, Air Cleaner ●
967	272490	1	Filter-Air ●
968	699959	1	Cover cleaner , Air ●
971	807084	1	Screw ●
996A	691577	1	Shield-Carburetor ●
1004	807121	1	Duct air ●

● Obtain parts from www.briggsandstratton.com

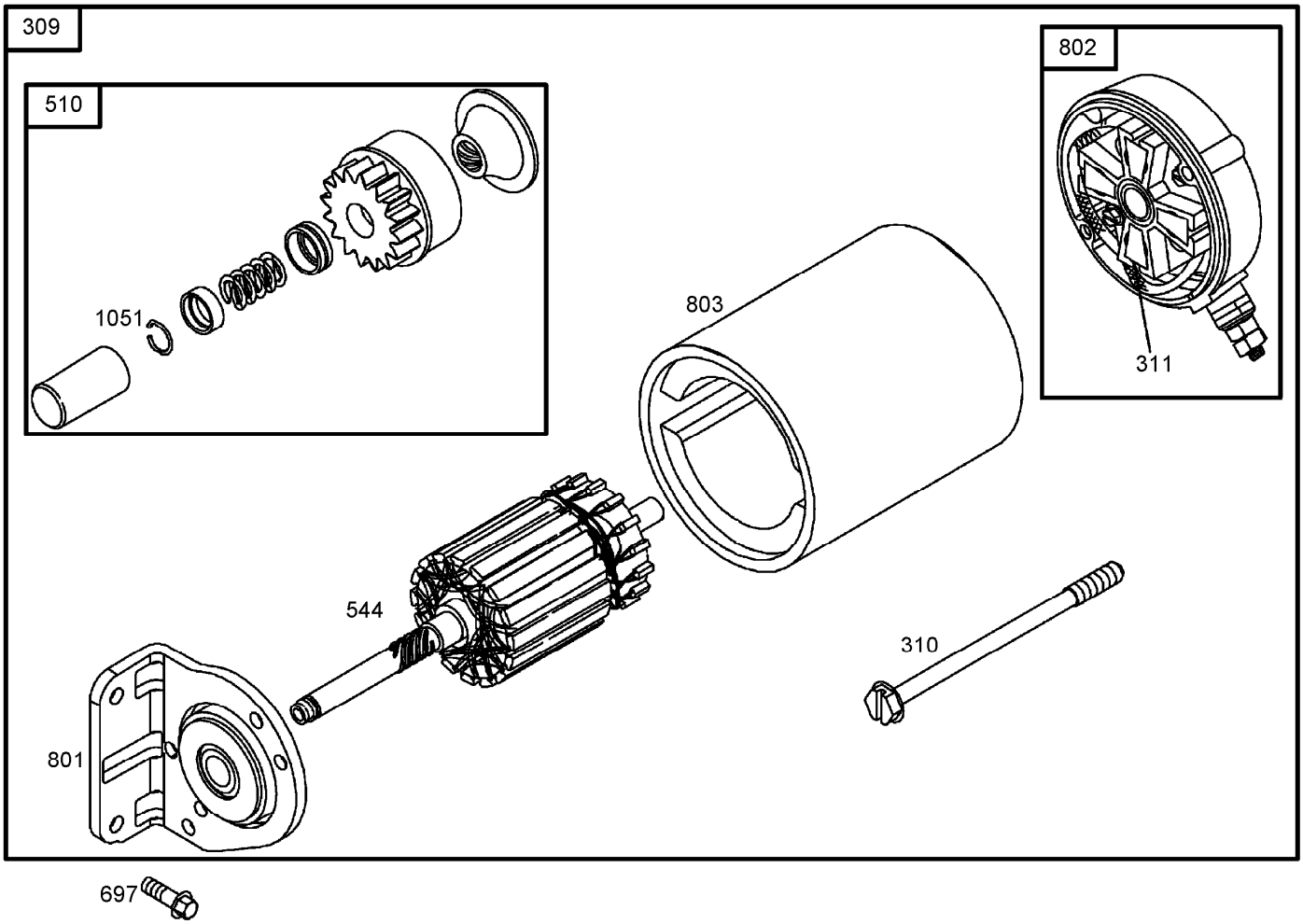
■ Included in Engine Gasket Set (Ref. No. 358)



Blower Housing Assembly
Briggs and Stratton 356447-0200-E1

Ref.	*Part Number*	*Qty.*	*Description*
197	807163	1	Screw (Back Plate) ●
304	841397	1	Housing blower ●
305	841233	1	Screw (Blower Housing) ●
305A	692056	1	Screw (Blower Housing) ●
308	841232	1	Cover-Head, Cylinder ●
308A	841182	1	Cover-Head, Cylinder ●
322	841233	1	Screw ●
349	690238	1	Nut ●
447	841233	1	Screw ●
506	807120	1	Screw ●
573	841310	1	Plate back ●
727	841313	1	Cover drive, Starter ●
732	690688	1	Screw ●
732A	841233	1	Screw ●
833	841233	1	Screw ●
862	692153	1	Strap-Stud Mounting, Air Cleaner ●
865	807119	1	Cover-Guide, Air ●
879	807118	1	Cover carburetor ●

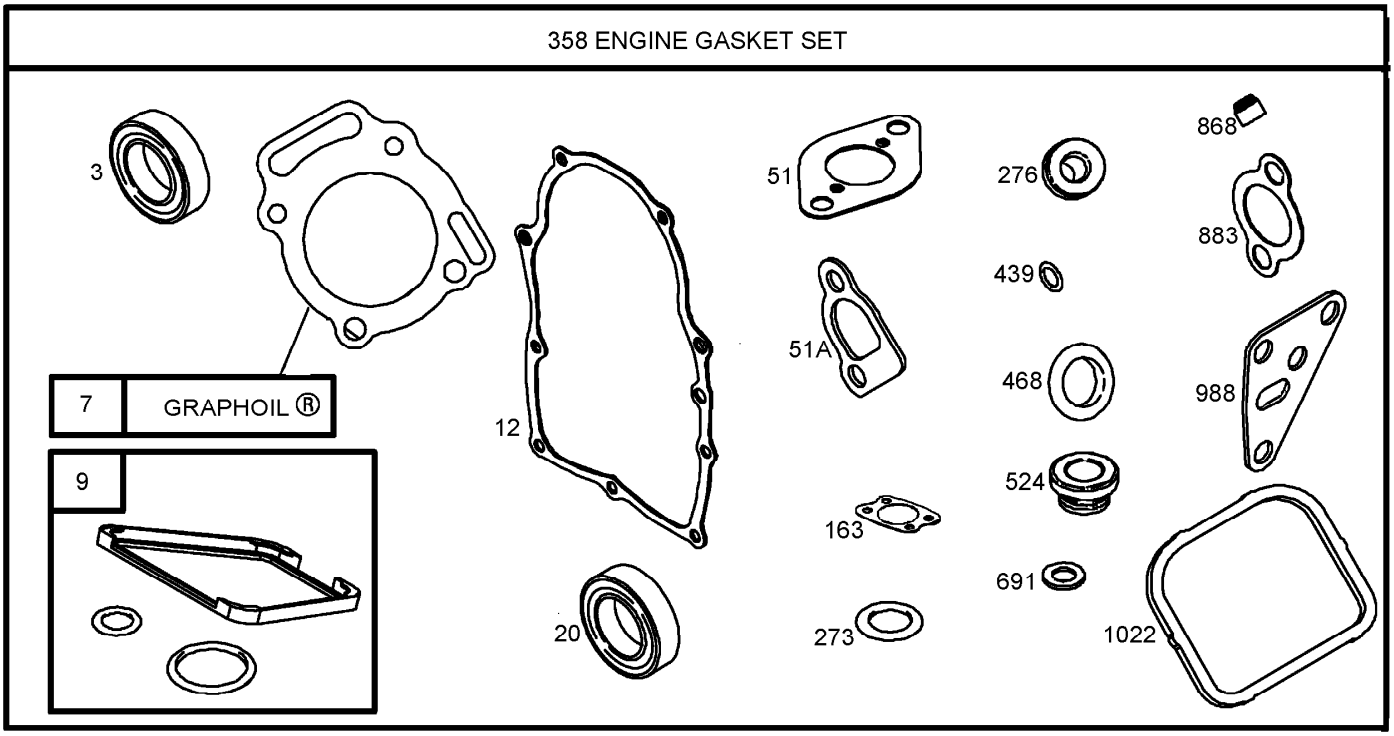
● Obtain parts from www.briggsandstratton.com



Starter Assembly
Briggs and Stratton 356447-0200-E1

Ref.	*Part Number*	*Qty.*	*Description*
309	691564	1	Motor-Starter ●
310	496880	1	Bolt-Thru (Starter Motor) ●
311	496887	1	Brush Set ●
510	496881	1	Drive-Starter ●
544	690855	1	Armature-Starter ●
697	692062	1	Screw (Drive Cap) ●
801	808778	1	Cap-Drive ●
802	496813	1	Cap-End ●
803	690854	1	Housing-Starter ●
1051	691124	1	Ring-Lock ●

● Obtain parts from www.briggsandstratton.com



358 Engine Gasket Set
Briggs and Stratton 356447-0200-E1

Ref.	*Part Number*	*Qty.*	*Description*
3	805101	1	Seal-Oil ●
7	690888	1	Gasket-Head, Cylinder ●■
9	809094	1	Gasket-Breather ●
12	691684	1	Gasket-Crankcase ●
20	805049	1	Seal-Oil ●
51	691694	1	Gasket-Intake ●
51A	692035	1	Gasket-Intake ●■
163	692081	1	Gasket-Cleaner, Air ●
273	690681	1	Seal-O Ring ●
276	690724	1	Washer-Sealing ●■
358	841188	1	Engine Gasket Set ●
439	692154	1	Seal-O Ring ●
468	690690	1	Seal-O Ring ●
524	693172	1	Seal-Tube, Dipstick ●■
691	690680	1	Seal-Shaft, Governor ●
868	691963	1	Seal-Valve ●■
883	691613	1	Gasket-Exhaust ●■
988	692063	1	Gasket-Adapter, Oil Filter ●
1022	806039	1	Gasket-Cover, Rocker ●■

● Obtain parts from www.briggsandstratton.com

■ Included in Valve Gasket Set (Ref. No. 1095)

Attachments and Accessories

For 04356 Greensmaster 3100 2-Wheel Drive

Product Name	Model/Part
Turf Evaluator	04399
Variable Traction Control Kit	04422
Spiker Kit	04494
Tri-Roller Kit	04495
Dethatching Reel ASM	04496
8-Blade DPA Reel Mower	04610
11-Blade DPA Reel Mower	04611
Light Kit	105-3848
Replacement Muffler Kit	114-4640
Traction Tire	231-127
Arm Rest Kit	30707
Backlapping Kit	92-9656

Notes:

Notes:



Count on it.