Form Number 3354-214 Rev A

Greensmaster® 3100 2 Wheel Drive

Model No. 04356 - 260000001 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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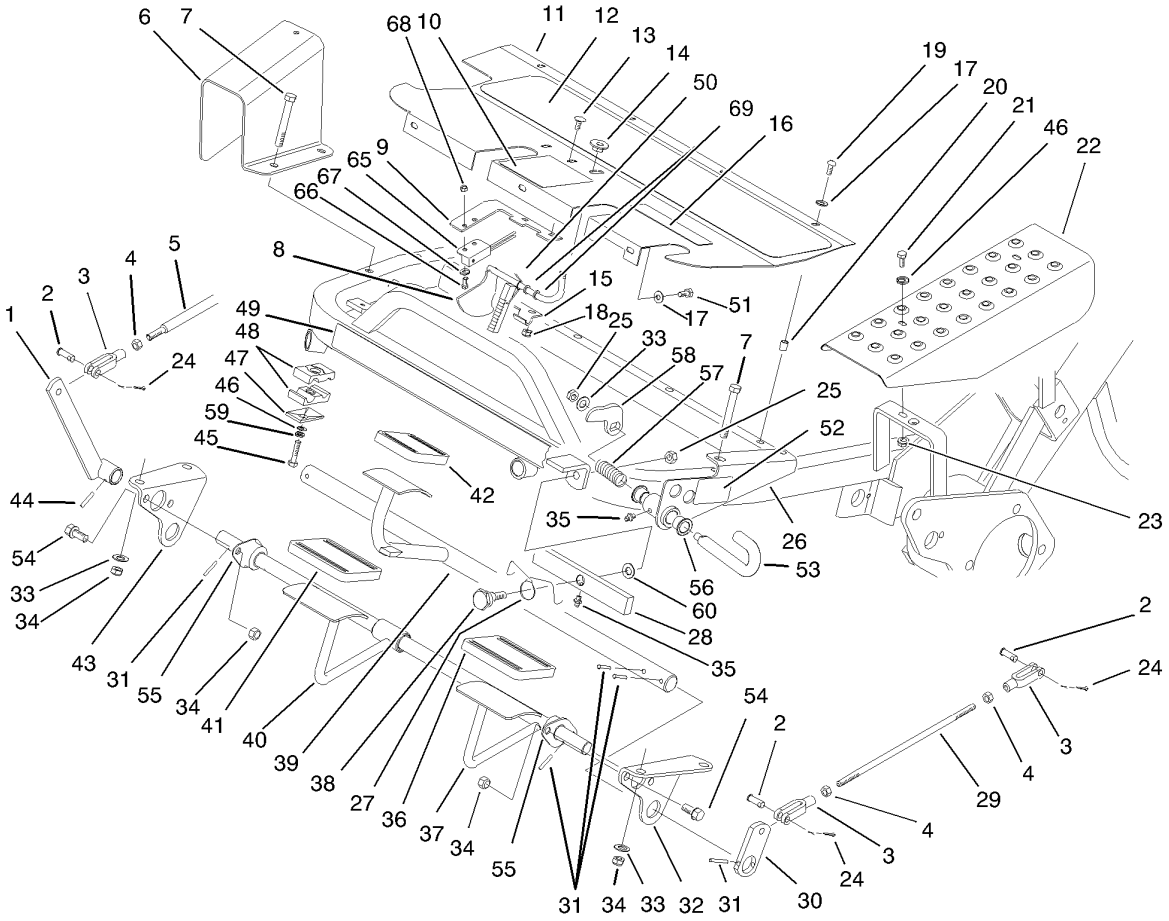
Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

AR. . . . . as required
ASM. . . . . assembly
BBC. . . . . blade brake clutch
CARR. . . . . carriage
DEG. . . . . degrees
EXT. . . . . external
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
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
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
SFH. . . . . slotted fillister head
SHH. . . . . slotted hex head
SHWH. . . . . slotted hex washer head
SPH. . . . . slotted pan head
SQH. . . . . square head
SRH. . . . . slotted round head
STD. . . . . standard
TAP. . . . . self tapping
TTH. . . . . torx truss head

Footnotes

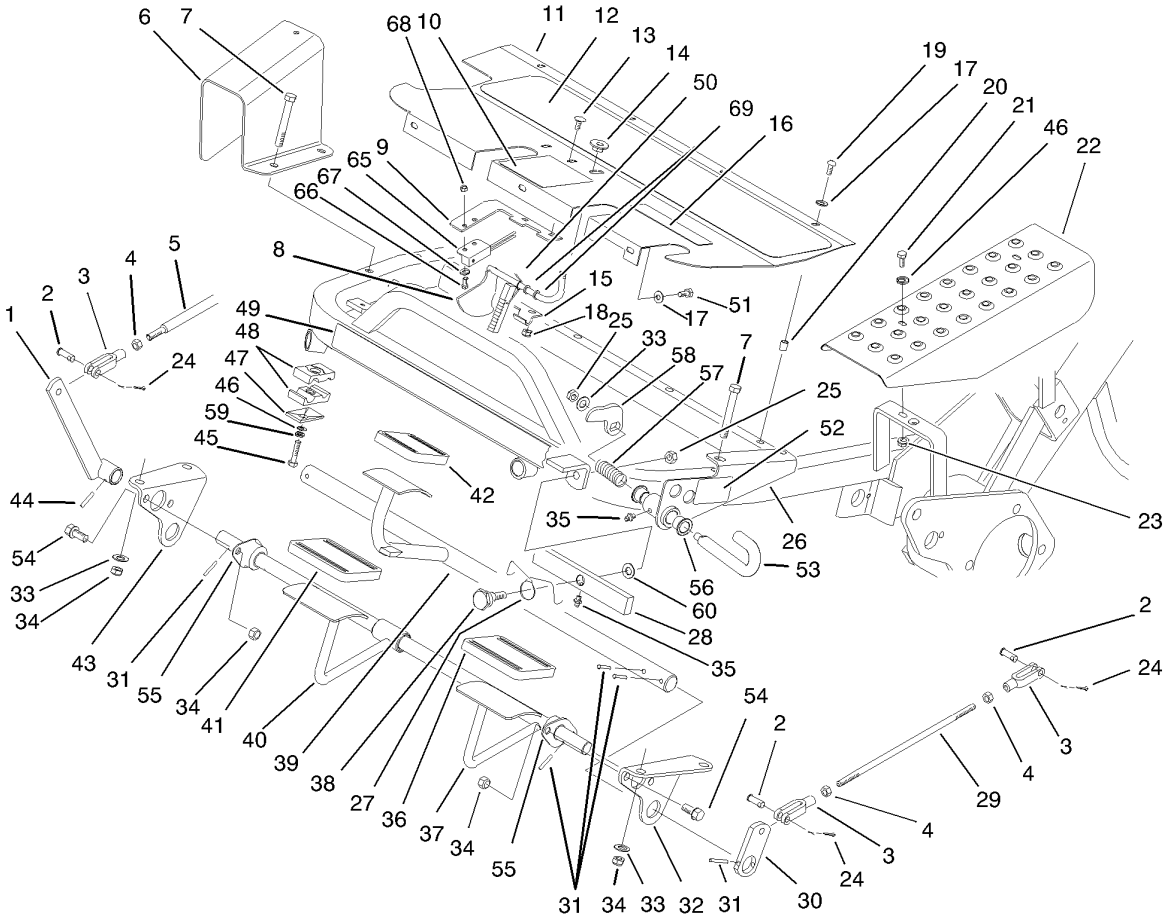
❶ Not illustrated
❷ Not serviced separately
❸ Obtain from your local Briggs & Stratton dealer
❹ Included in Carburetor Overhaul Kit (Ref. No. 121)
❺ Included in Engine Gasket Set (Ref. No. 358)
❻ Included in Valve Gasket Set (Ref. No. 1095)



Control Pedal Assembly

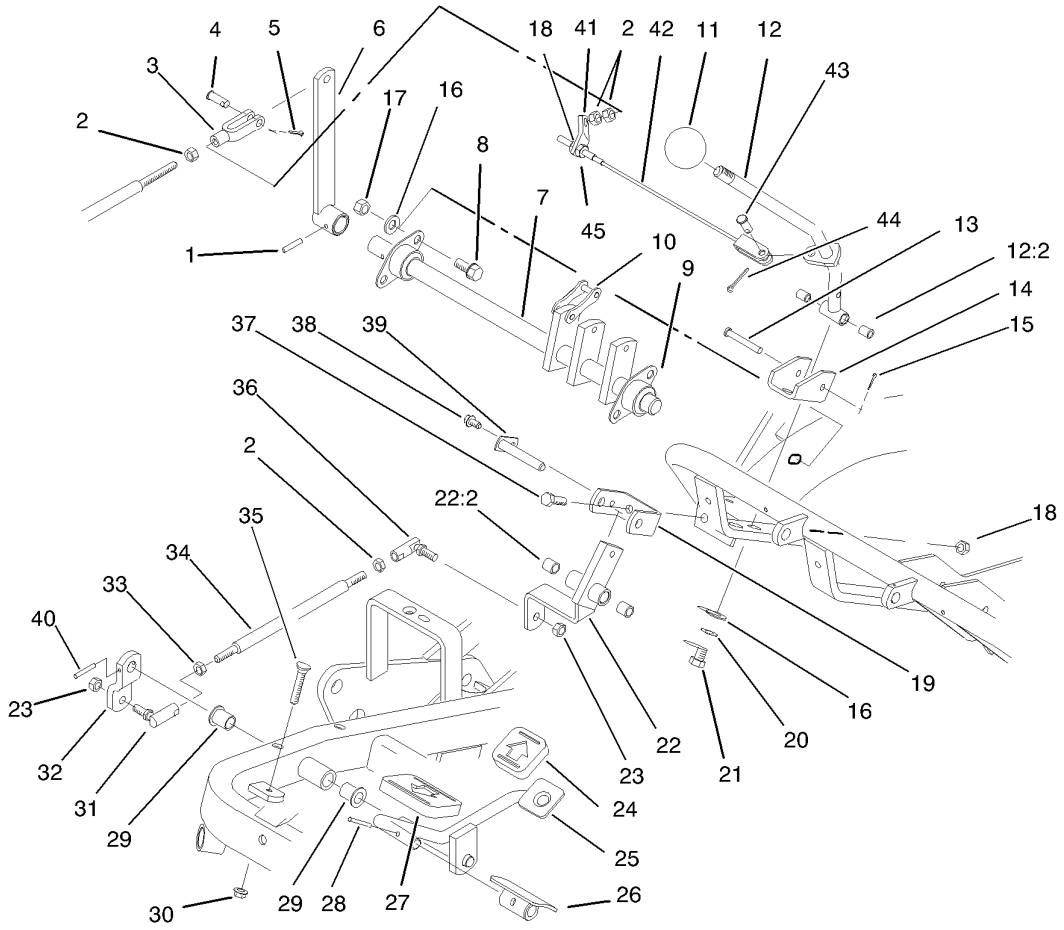
Ref	Part No.	Qty.	Description
1	49-6200-01	1	Lever-Cutting
2	283-61	5	Pin-Yoke
3	282-2	5	Yoke
4	3220-2	5	Nut-Jam
5	49-5430	1	Rod-Control
6	49-6110-01	1	Guard-Rod, Trans
7	323-13	4	Screw-HH
8	100-9819	1	Latch ASM
9	100-9821	1	Plate-Switch, Reed
10	93-8062	1	Decal-Brake, Parking
11	83-0640-01	1	Plate-Footrest
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)

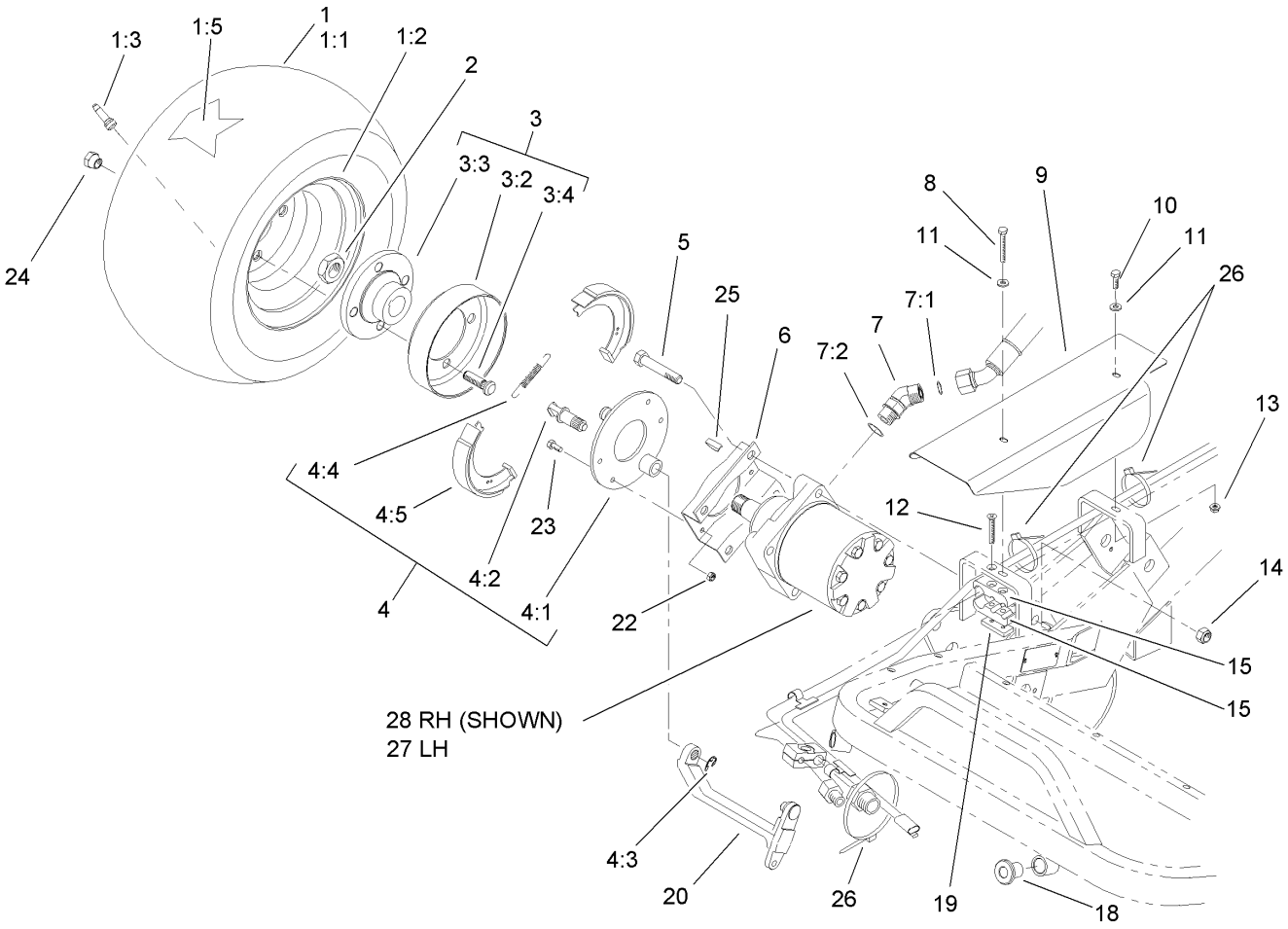
Ref	Part No.	Qty.	Description
49	88-9620	1	Decal
50	10-8140	1	Spring-Latch, Brake
51	321-3	3	Screw-HH
52	93-9898	1	Decal-Lock
53	93-9903	1	Pin-Mow, Lockout
54	3234-1	4	Screw-HHF
55	27-2320	2	Bearing
56	3-1506	2	Bushing
57	76-0410	1	Spring-Compression
58	93-9904	1	Arm-Mow, Lockout
59	3253-3	1	Washer-Lock
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

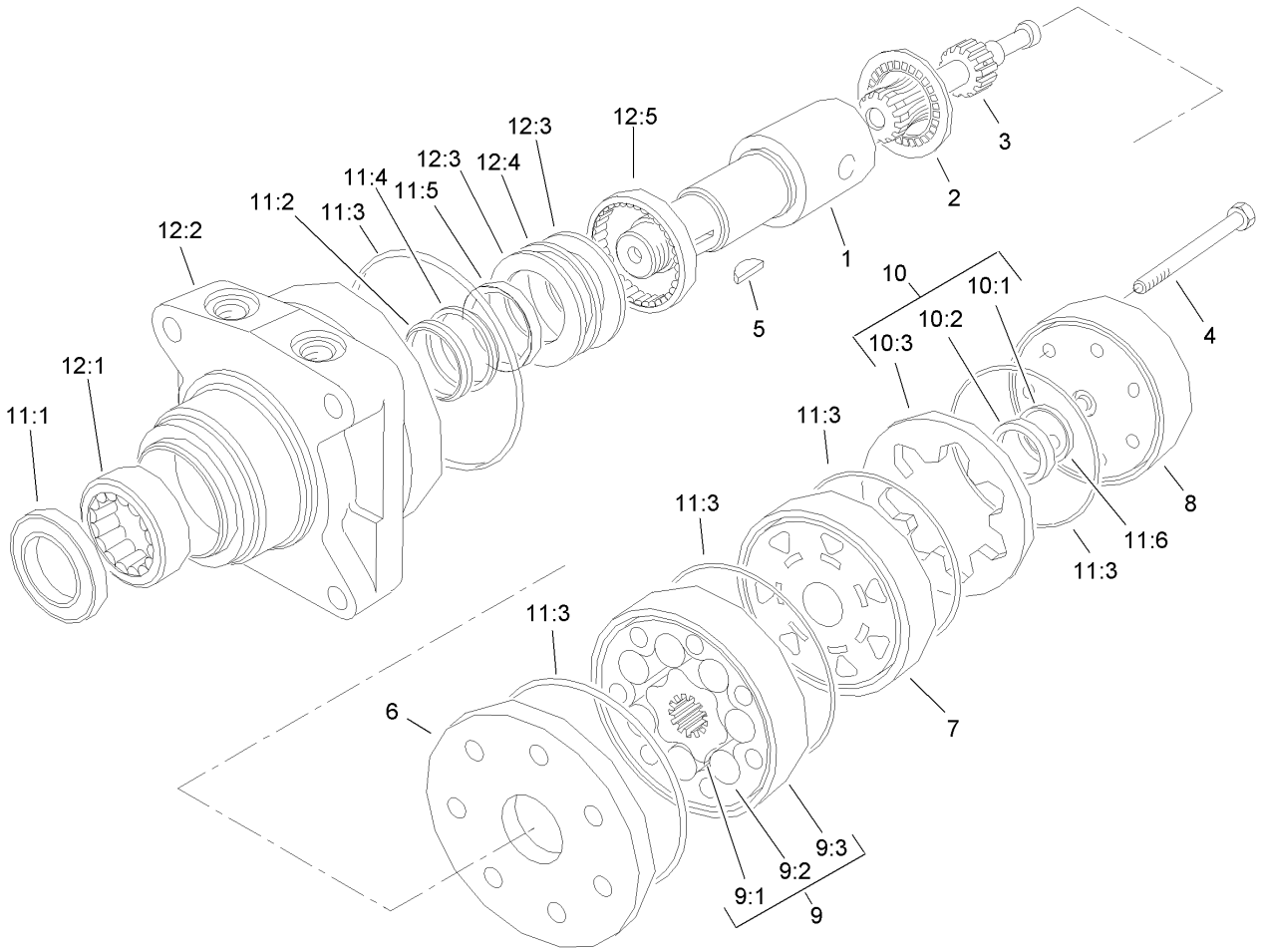
Ref	Part No.	Qty.	Description
23	3296-4	2	Nut-Lock
24	74-9110	1	Pad-Pedal, Reverse
25	83-0540-01	1	Traction Pedal ASM
26	49-6440-03	1	Pedal-Forward
27	74-9100	1	Pad-Pedal, Forward
28	32121-45	1	Pin-Spring
29	256-155	2	Bushing-Flange
30	32128-20	1	Nut-HF
31	2411-42	1	Joint-Ball, LH
32	83-0630	1	Arm-Pivot, 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 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
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

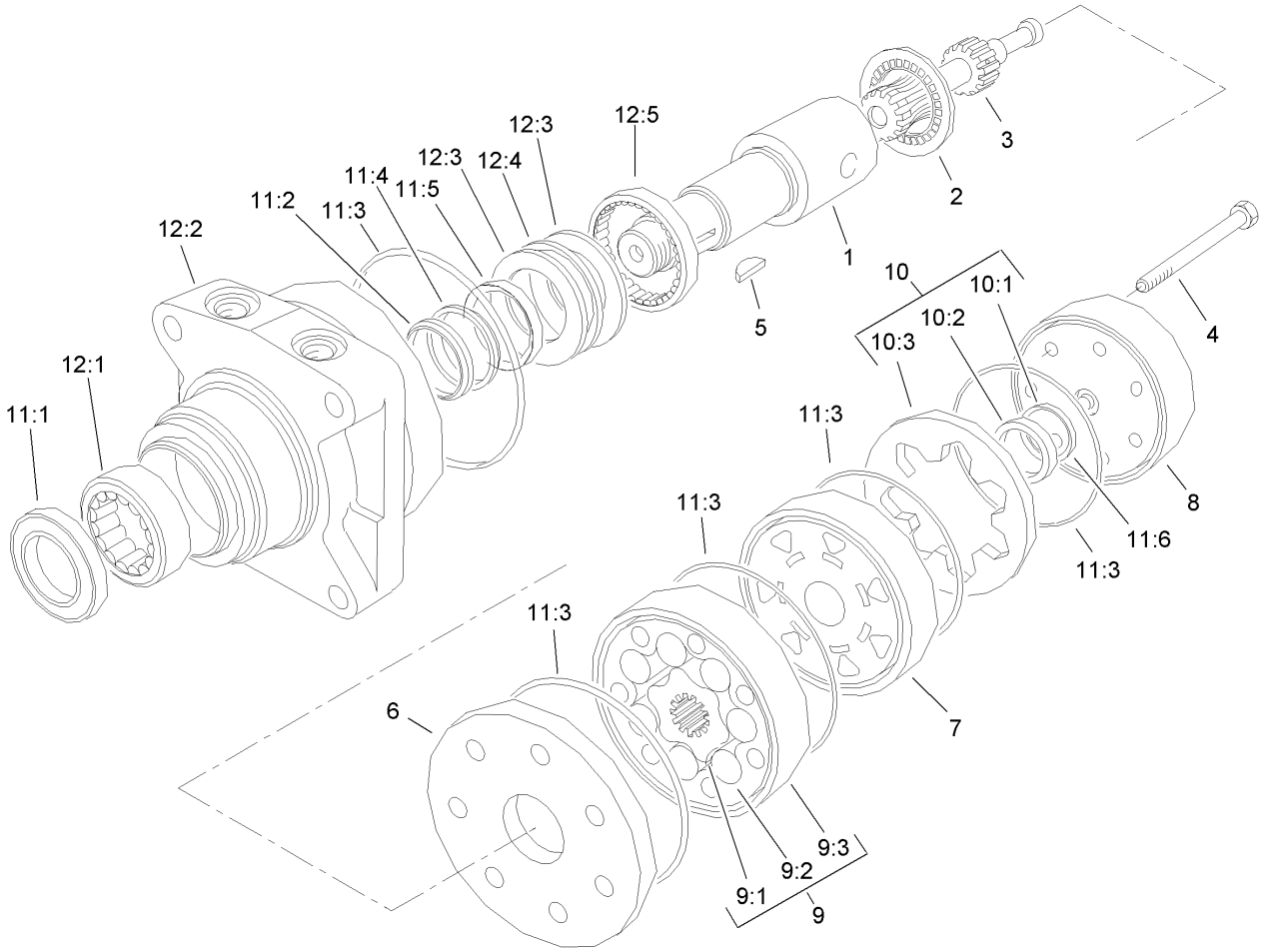
Ref	Part No.	Qty.	Description
11	3256-22	2	Washer-Flat
12	32108-100	1	Screw-FH
13	32128-33	1	Nut-HF
14	3296-23	8	Nut-Lock, NI
15	57-6140	2	Clamp-Tube, Half
18	83-1700	2	Bushing-Flange
19	83-1220	1	Plate-Clamp
20	93-2096	2	Lever-Brake
22	3296-42	8	Nut-Lock, NI
23	321-5	8	Screw-HH
24	242-50	8	Nut-Lug
25	3257-42	2	Key-Woodruff
26	3290-378	3	Tie-Cable
27	110-4015	1	Motor-Wheel, HYD (LH)
28	110-4016	1	Motor-Wheel, HYD (RH)



LH Hydraulic Drive Motor Assembly No. 110-4015

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 And 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

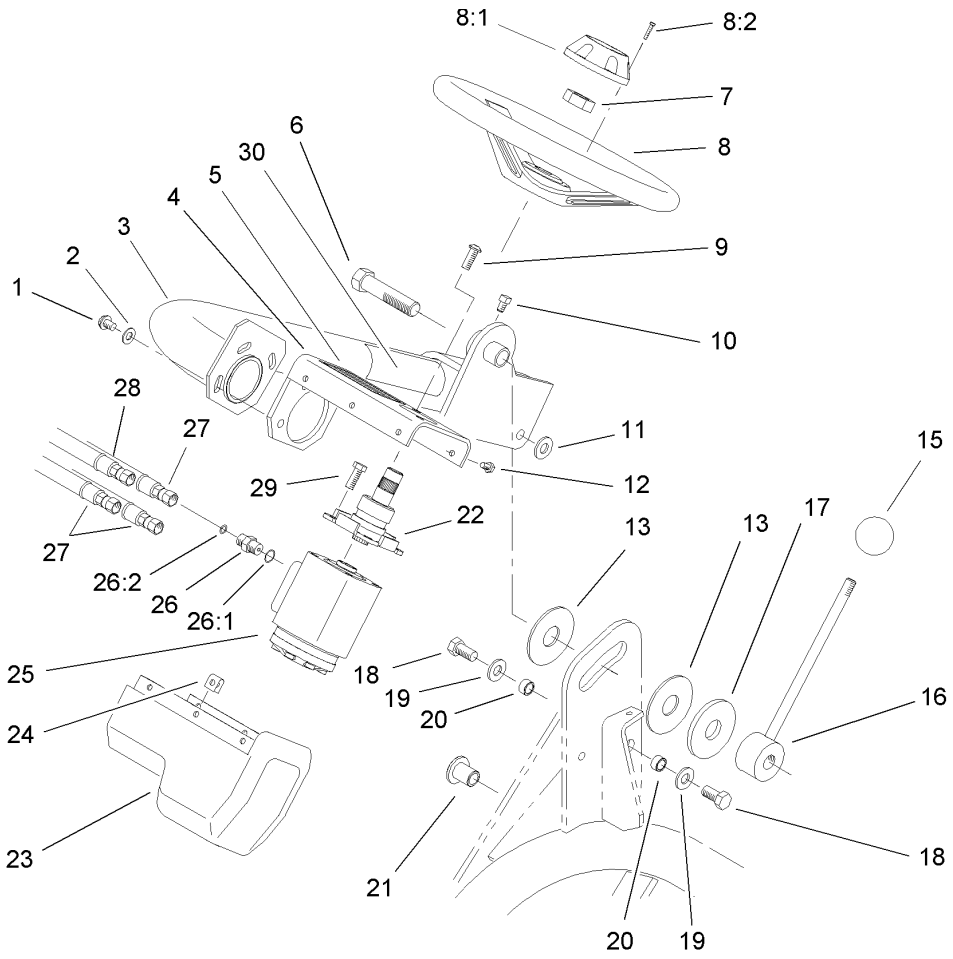
Ref	Part No.	Qty.	Description
❷12:1		1	Bearing
❷12:2		1	Housing
❷12:3		2	Washer-Thrust
❷12:4		1	Bearing-Thrust
❷12:5		1	Bearing



RH Hydraulic Drive Motor Assembly No. 110-4016

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	112-0210	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 And 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

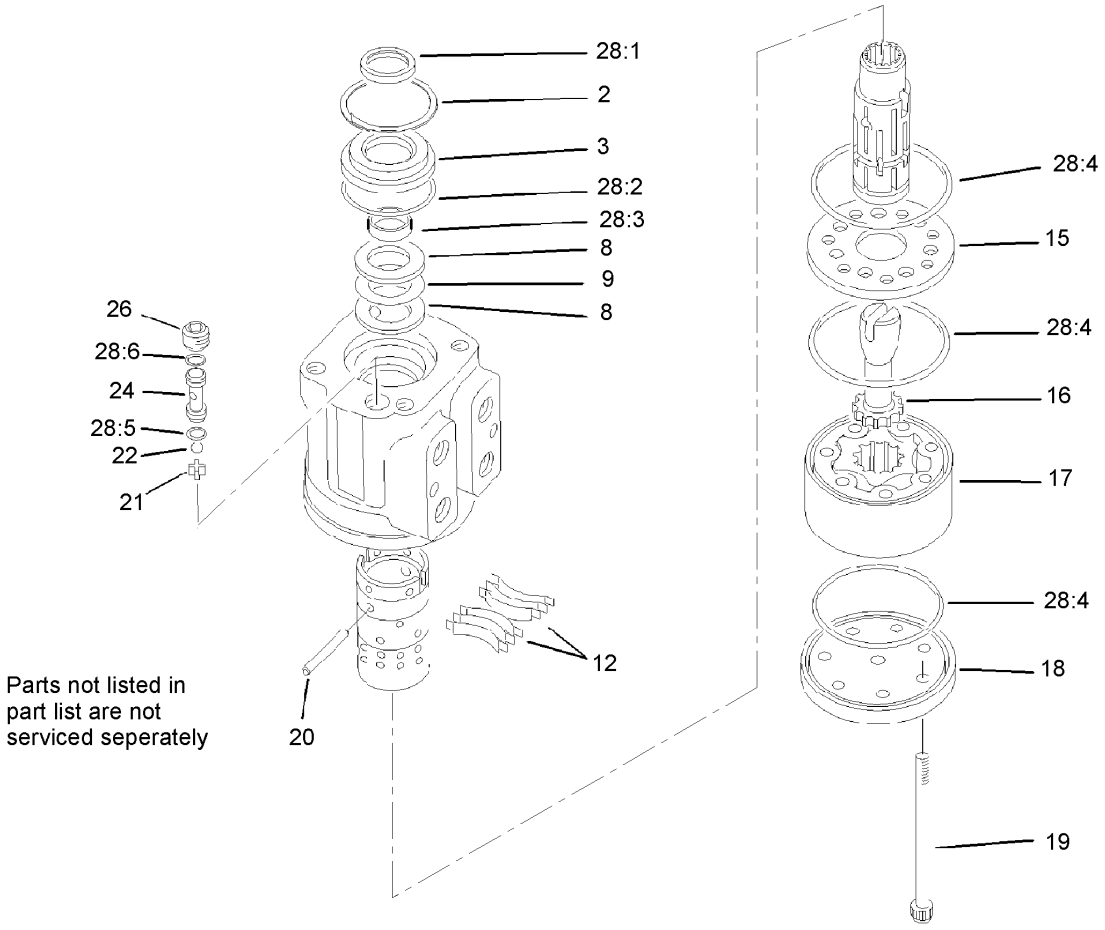
Ref	Part No.	Qty.	Description
❷12:1		1	Bearing
❷12:2		1	Housing
❷12:3		2	Washer-Thrust
❷12:4		1	Bearing-Thrust
❷12:5		1	Bearing



Steering Arm Assembly

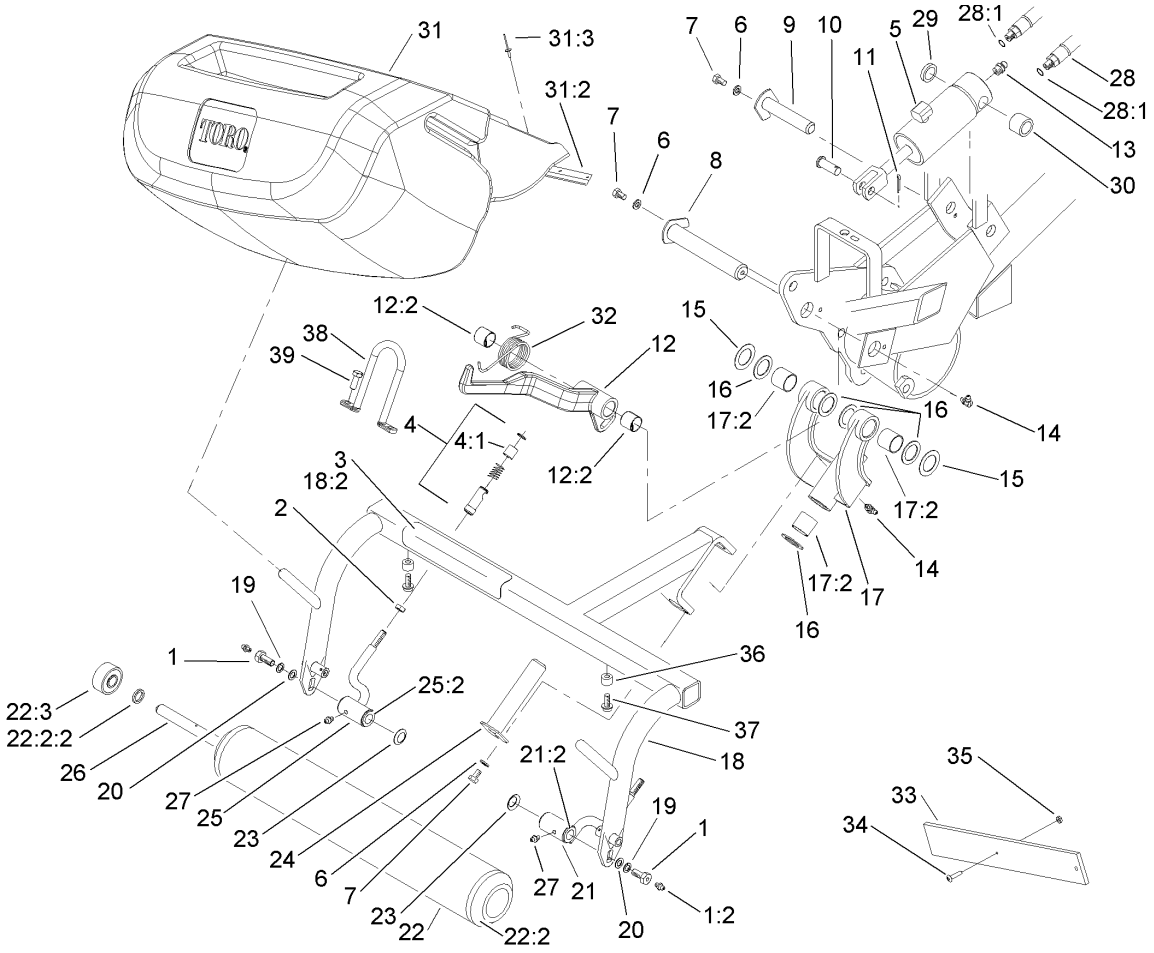
Ref	Part No.	Qty.	Description
1	3274-80	3	Screw-HH
2	3256-80	3	Washer-Flat
3	107-9542-01	1	Steering Arm
4	83-0780-03	1	Support-Valve, Steering
5	104-2053	1	Decal-Warning
5	93-8063	1	Decal-Caution, Ce
6	83-0750	1	Capscrew-HH, LH Thread
7	107-2561	1	Nut-Hex
8	68-5130	1	Wheel-Steering
8:1	68-5140	1	Cap-Wheel, 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



Power Steering Valve Assembly No. 92-8690

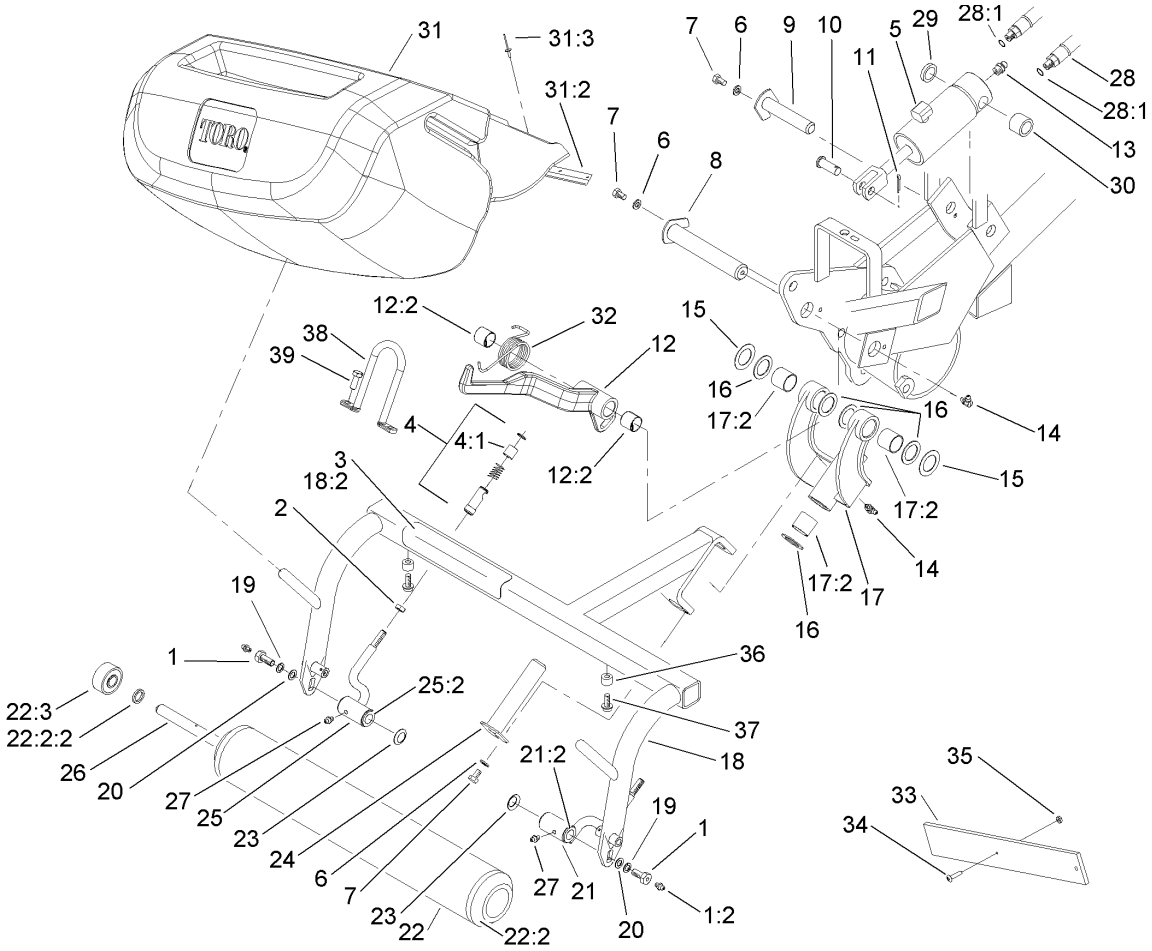
Ref	Part No.	Qty.	Description
2	52-9230	1	Ring-Retaining
3	92-8691	1	Bushing
8	59-6730	2	Race
9	59-6740	1	Bearing
12	83-1860	1	Spring Centering Kit
15	92-8697	1	Plate-Wear
16	70-8250	1	Drive
17	83-1870	1	Gerotor Sub ASM
18	92-8694	1	Cap-End
19	92-8696	7	Screw-Head, Torx
20	59-6830	1	Centering Pin Kit
21	52-9290	1	Retainer-Checkball
22	52-9280	1	Checkball
24	52-9270	1	Seat-Checkball
26	52-9260	1	Screw-Set
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
❷28:5		1	O-Ring
❷28:6		1	O-Ring



Right Hand Pull Frame Assembly

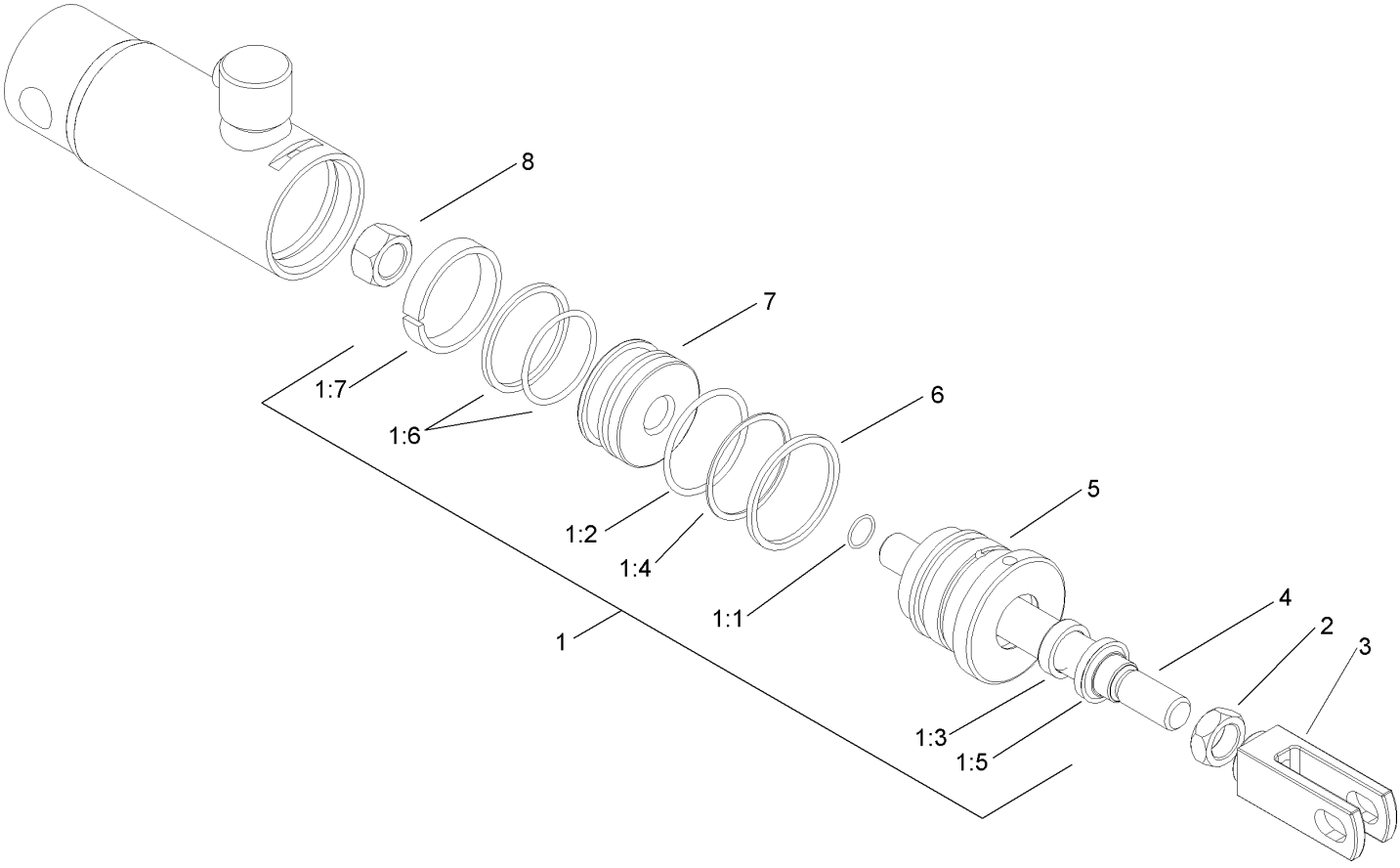
Ref	Part No.	Qty.	Description
1	11-0160	2	Roller Shaft Screw ASM
1:2	302-5	1	Fitting-Grease
2	3220-3	2	Nut-Hex, Jam
3	93-8064	1	Decal-Danger, Ce
4	99-1460	2	Ball Joint Receiver ASM
4:1	99-1461	1	Sleeve-Joint, Ball
5	106-9066	1	HYD Cylinder ASM
6	3256-23	3	Washer-Flat
7	322-1	3	Screw-HH
8	10-6110	1	Pin-Hinge
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, 90 DEG
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	108-8631	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	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



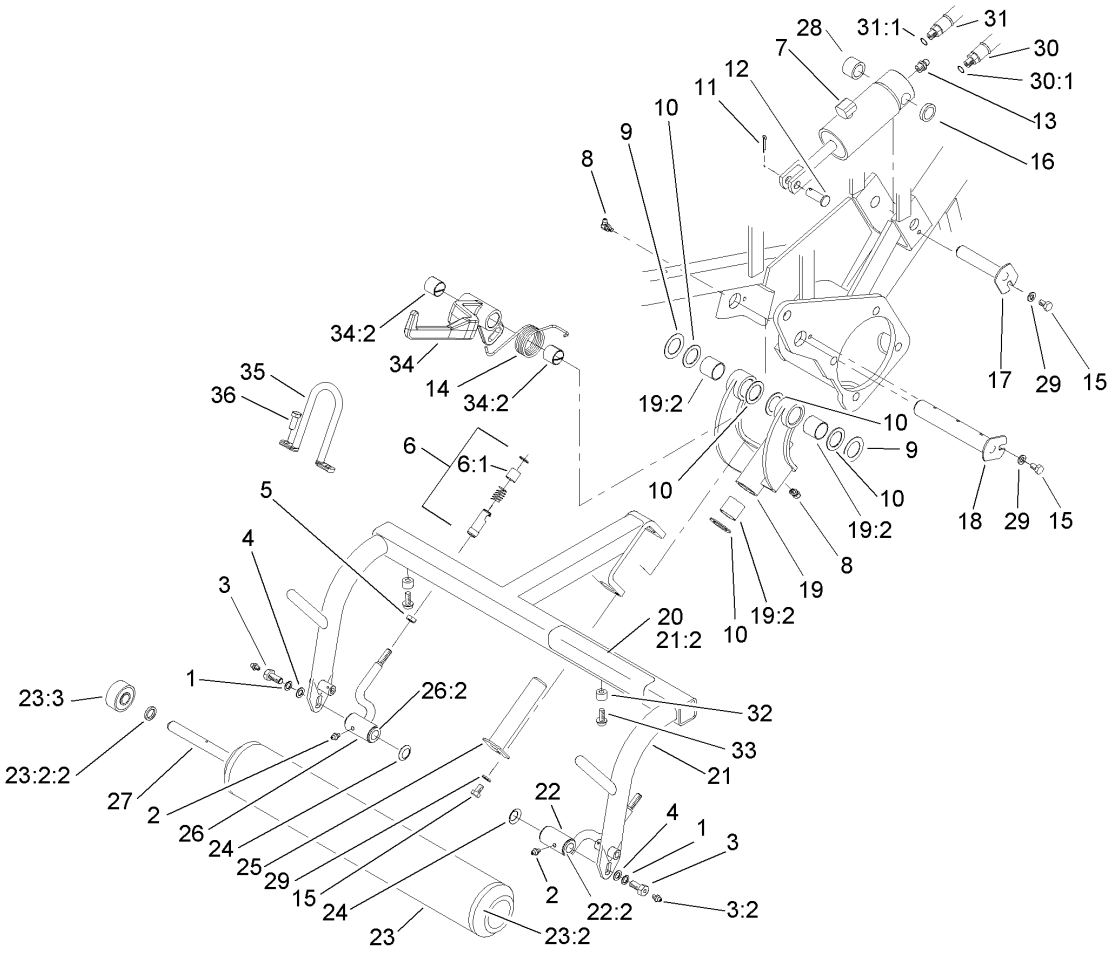
Right Hand Pull Frame Assembly (continued)

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

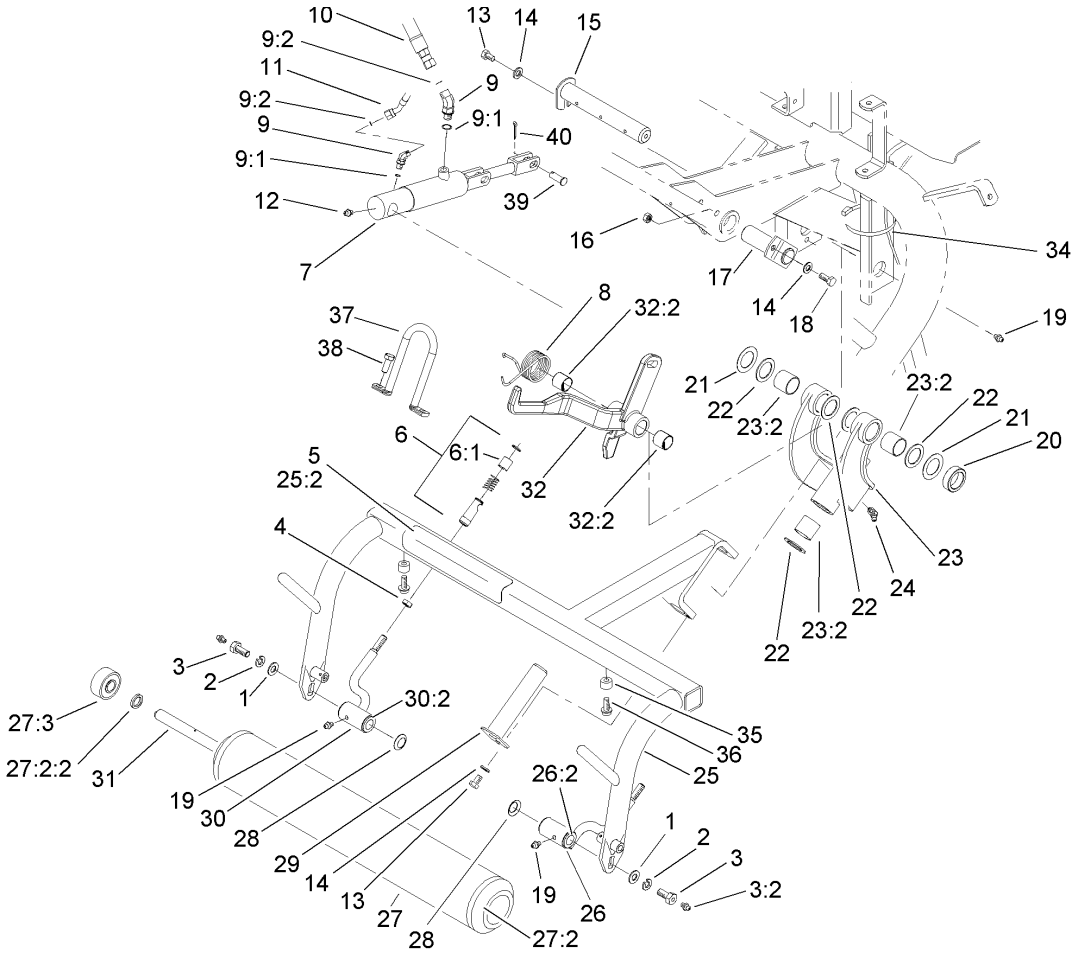
Ref	Part No.	Qty.	Description
1	107-2564	1	Seal Kit
❷1:1		1	O-Ring
❷1:2		1	O-Ring
❷1:3		1	Seal
❷1:4		1	Back-Up
❷1:5		1	Wiper
❷1:6		1	Seal-W/Out Ring
❷1:7		1	Ring-Wear
2	3220-6	1	Nut-Jam
3	106-9065	1	Clevis-Cylinder
❷4		1	Rod
❷5		1	Head
❷6		1	Ring-Retaining
❷7		1	Piston
❷8		1	Locknut



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-Hex, 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, 90 DEG
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, 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	108-8632	1	Left Pull Frame ASM

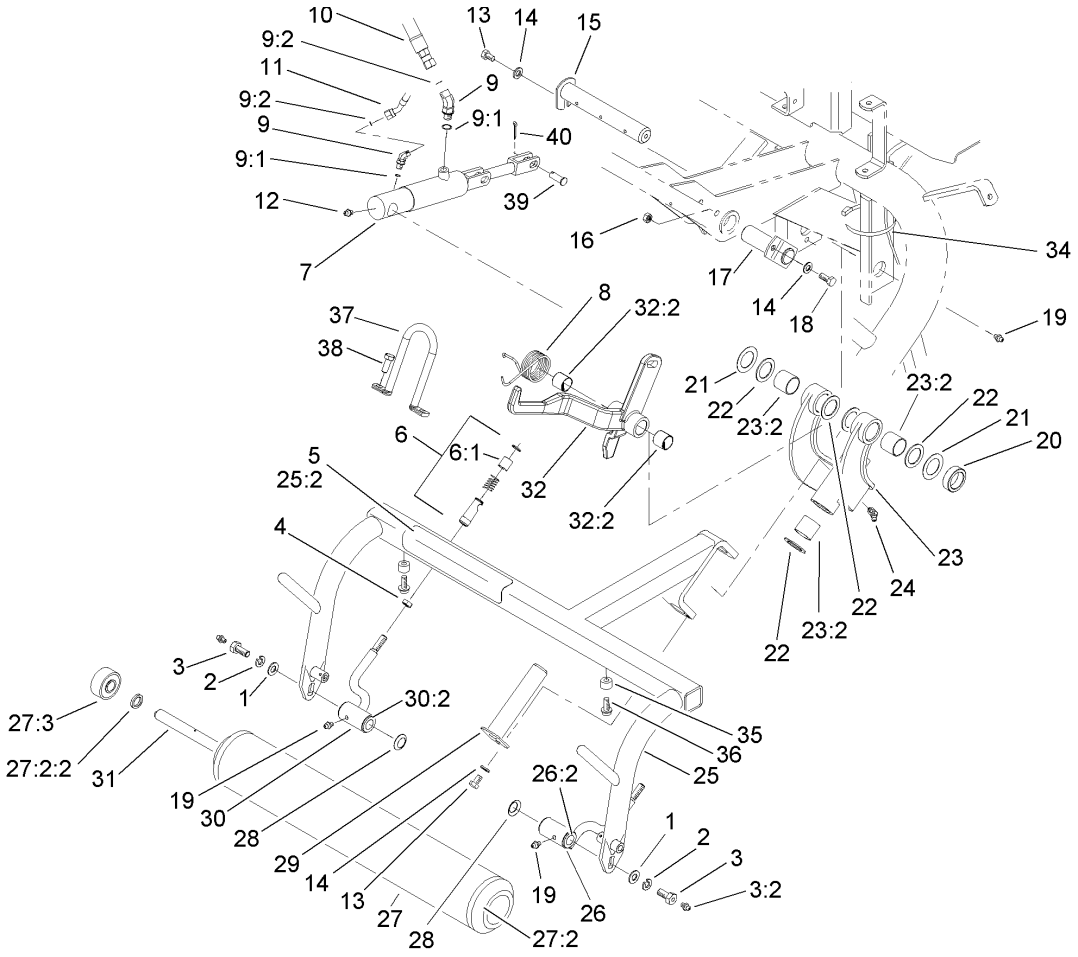
Ref	Part No.	Qty.	Description
21:2	62-5070	1	Decal-Warning
22	92-0586	1	Pull Arm ASM
22:2	3-1506	2	Bushing
23	99-4277	1	Roller ASM
❷23:2		2	Hub Yoke ASM
23:2:2	253-83	1	Seal-Oil
23:3	251-141	2	Bearing-Ball
24	3290-317	2	Washer-Spring
25	10-6090	1	Pin-Pivot
26	92-0585	1	Pull Arm ASM
26:2	3-1506	2	Bushing
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

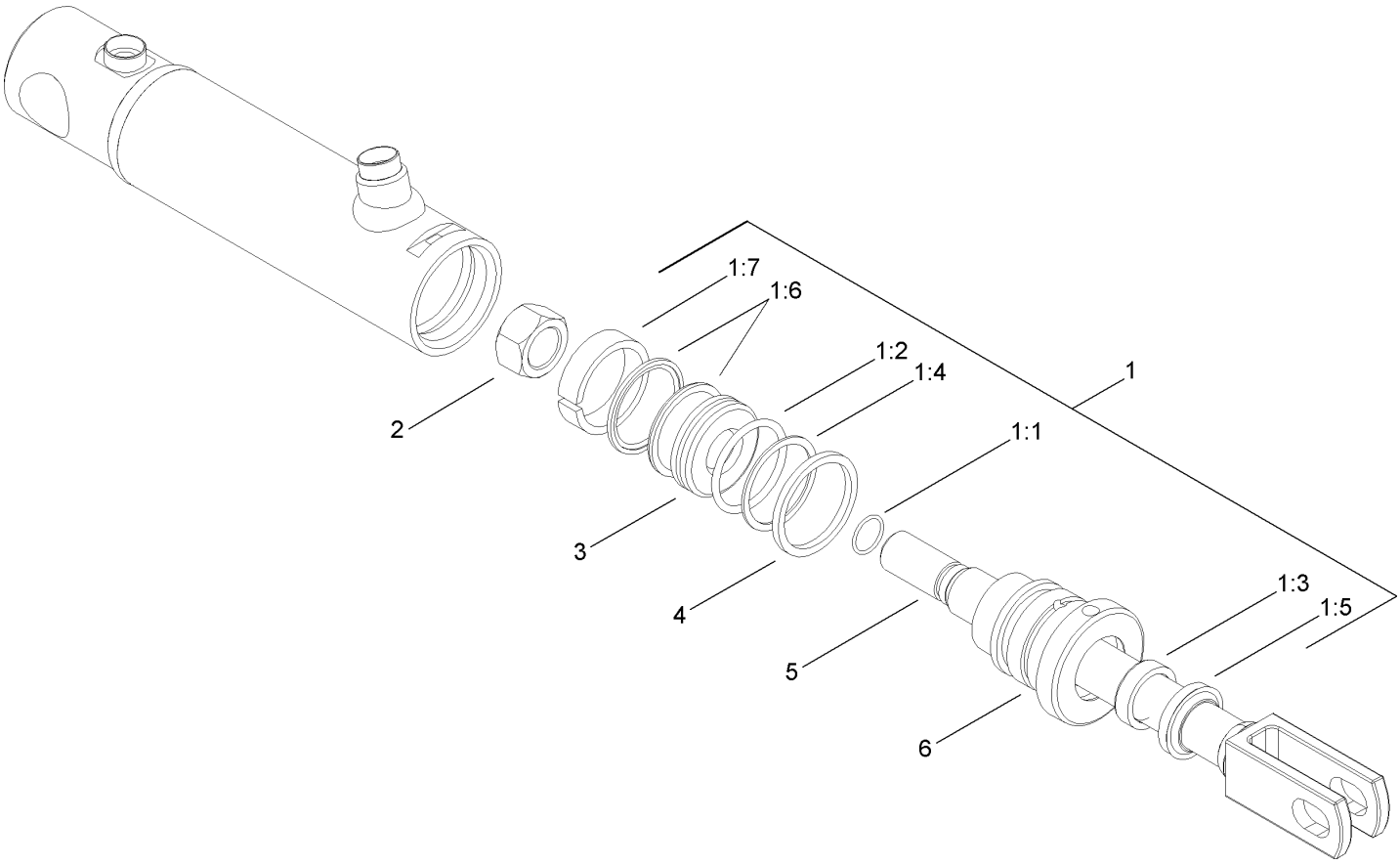
Ref	Part No.	Qty.	Description
1	3256-24	2	Washer-Flat
2	3253-21	2	Washer-Lock
3	11-0160	2	Roller Shaft Screw ASM
3:2	302-5	1	Fitting-Grease
4	3220-3	2	Nut-Hex, Jam
5	93-8064	1	Decal-Danger, Ce
6	99-1460	2	Ball Joint Receiver ASM
6:1	99-1461	1	Sleeve-Joint, Ball
7	106-9064	1	HYD Cylinder ASM
8	110-3953	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	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, 90 DEG
25	108-8633	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	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	32144-44	2	Screw-HWH
37	105-5740	1	Hook-Lift



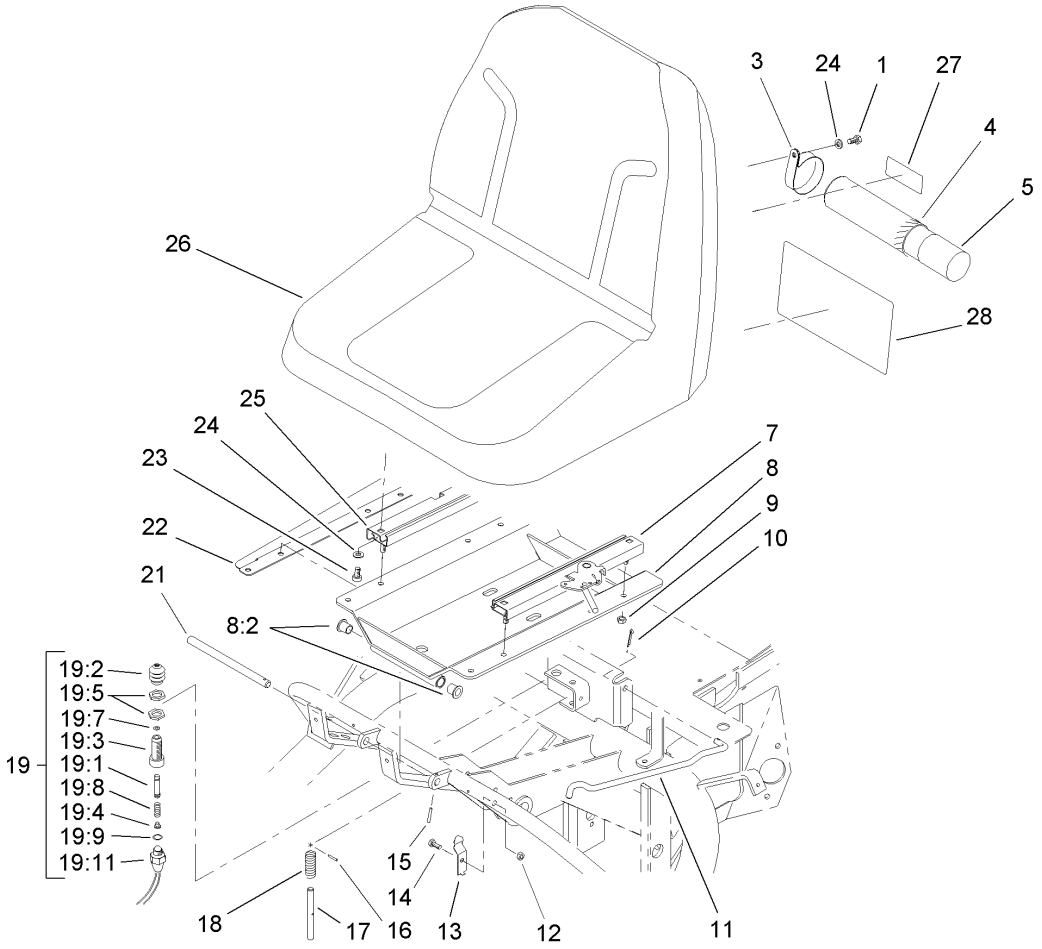
Rear Pull Frame Assembly (continued)

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

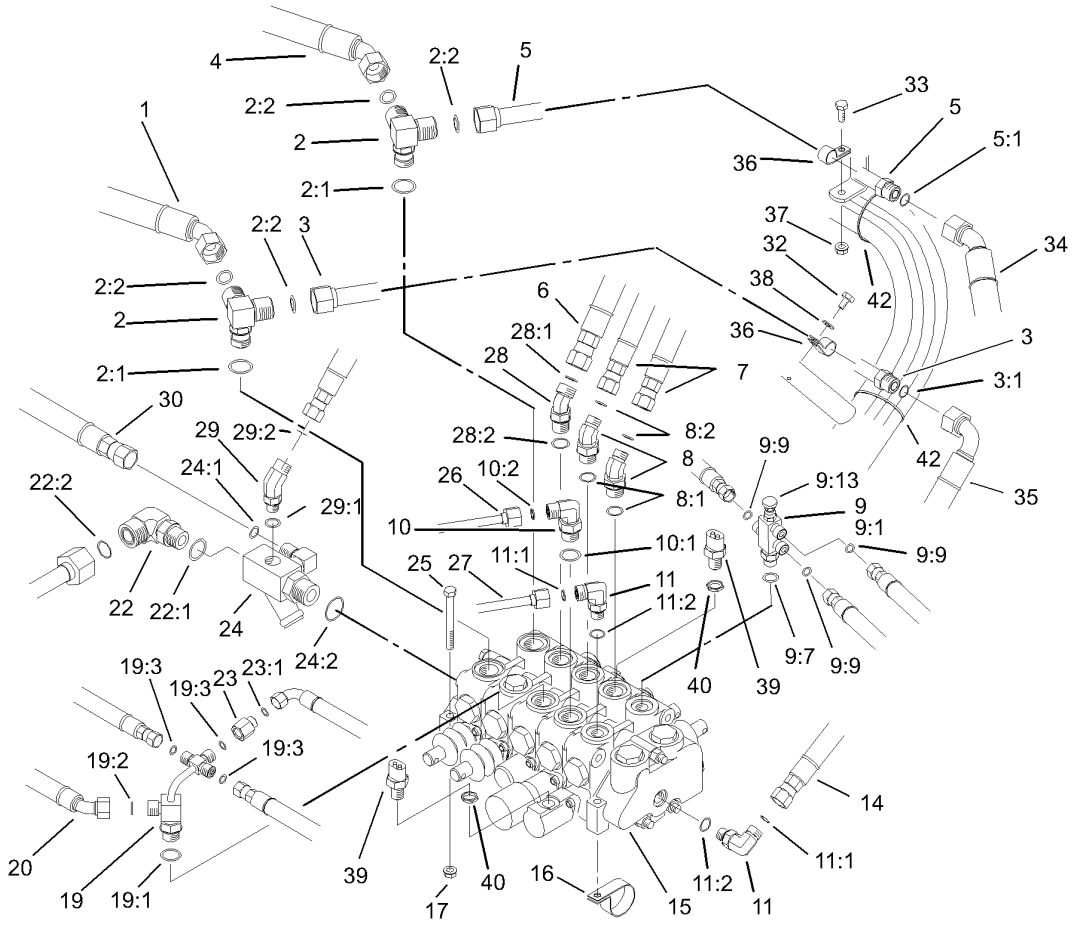
Ref	Part No.	Qty.	Description
1	107-2563	1	Seal Kit
❷1:1		1	O-Ring
❷1:2		1	O-Ring
❷1:3		1	Seal
❷1:4		1	Back-Up
❷1:5		1	Wiper
❷1:6		1	Seal W/Loader
❷1:7		1	Wear Ring
❷2		1	Locknut
❷3		1	Piston
❷4		1	Ring-Retaining
❷5		1	Rod ASM
❷6		1	Head



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

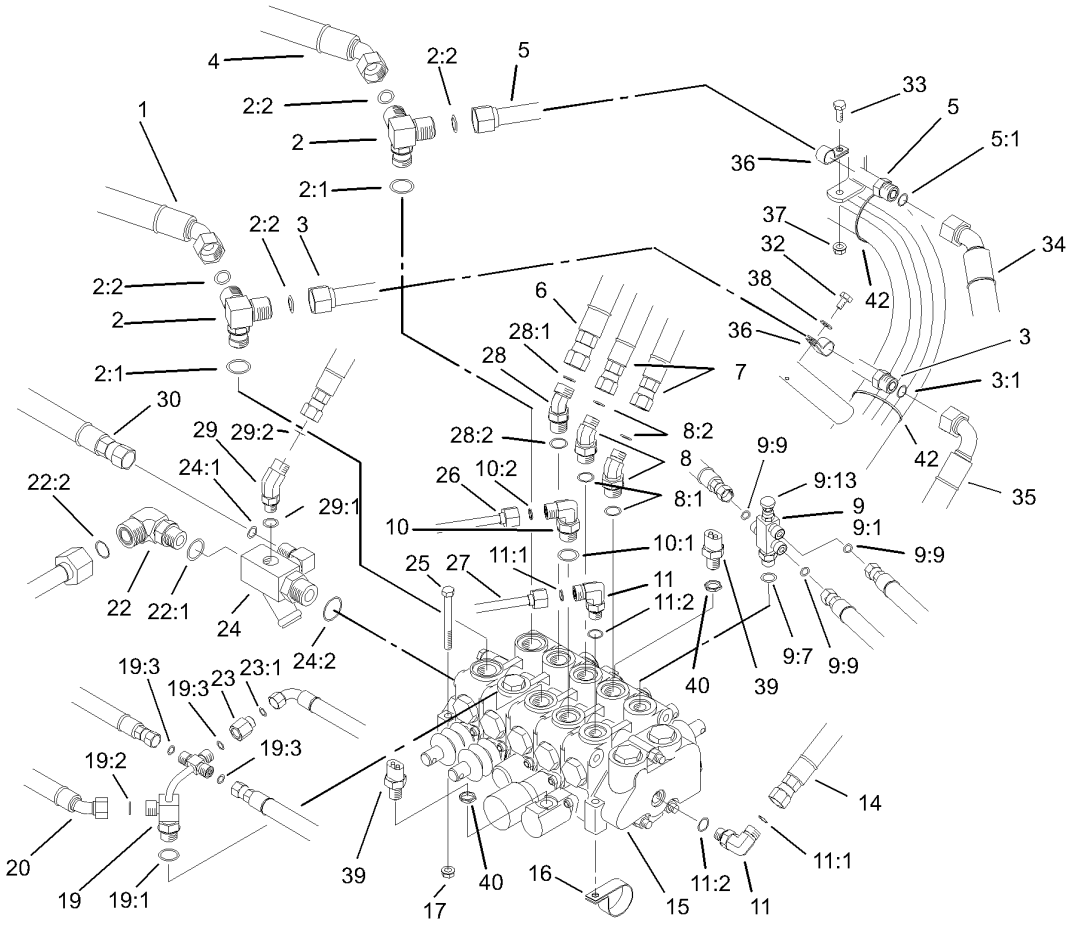
Ref	Part No.	Qty.	Description
19:8	43-8600	1	Spring-Compression
19:9	237-30	1	O-Ring
19:11	72-4320	1	Switch-Ball
21	49-5880	1	Shaft-Support, Seat
22	83-1840-01	1	Cover-Valve, RH
23	3274-12	4	Screw-HSH
24	3256-23	6	Washer-Flat
25	51-0780	1	Slider-Seat
26	104-4620	1	Seat
27	93-6686	1	Decal-Oil, HYD
28	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	106-6375	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

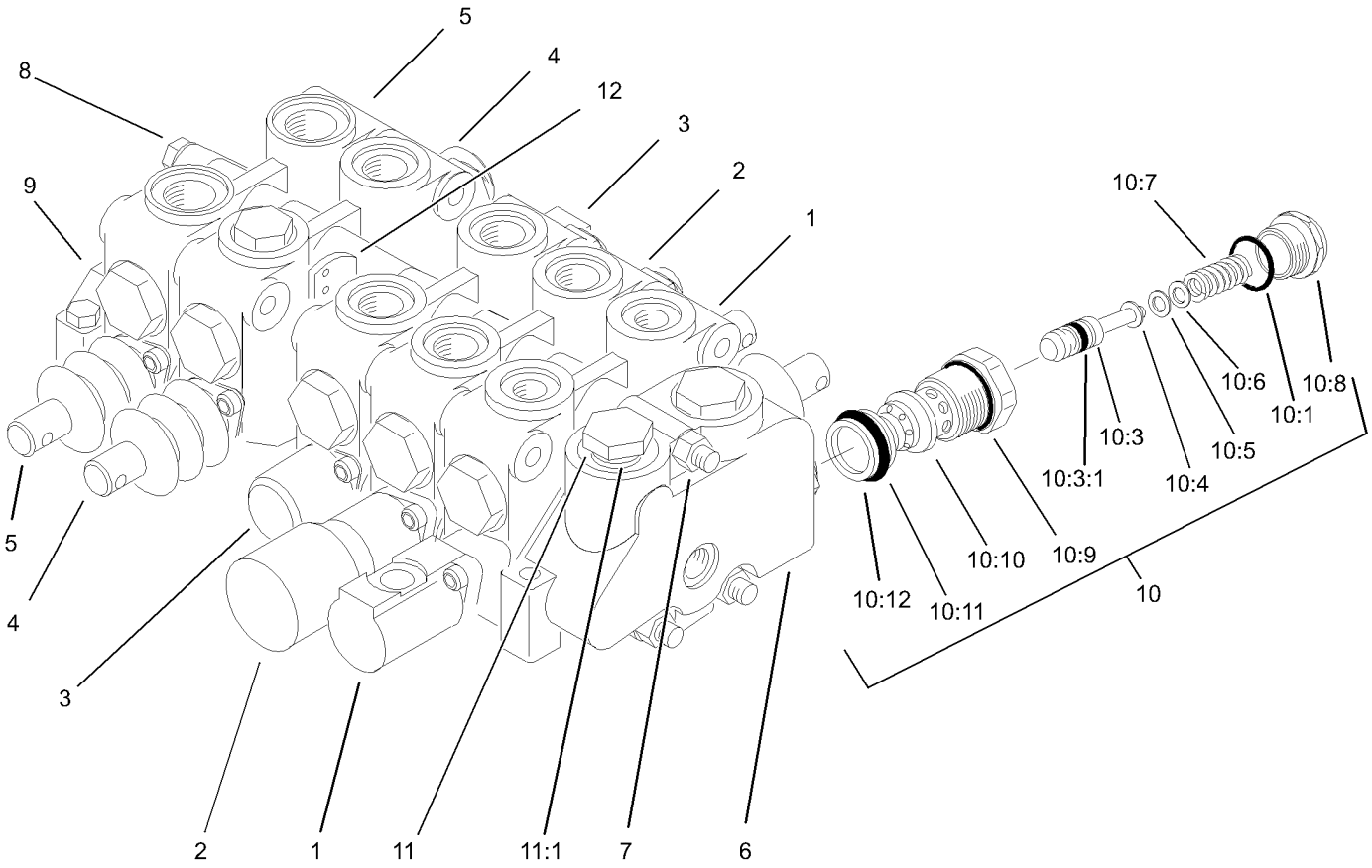
Ref	Part No.	Qty.	Description
1	98-0647	1	Hose-HYD, Traction, RH (Lower)
2	63-4050	2	Fitting
2:1	237-80	1	O-Ring
2:2	237-65	2	O-Ring
3	70-7130	1	Line-Tube
3:1	237-65	2	O-Ring
4	112-0205	1	HYD Hose ASM
5	83-1200	1	Tube-Traction, LH Lower
5:1	237-65	1	O-Ring
6	107-9519	1	HYD Hose ASM
7	98-0649	2	Hose-HYD
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

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)

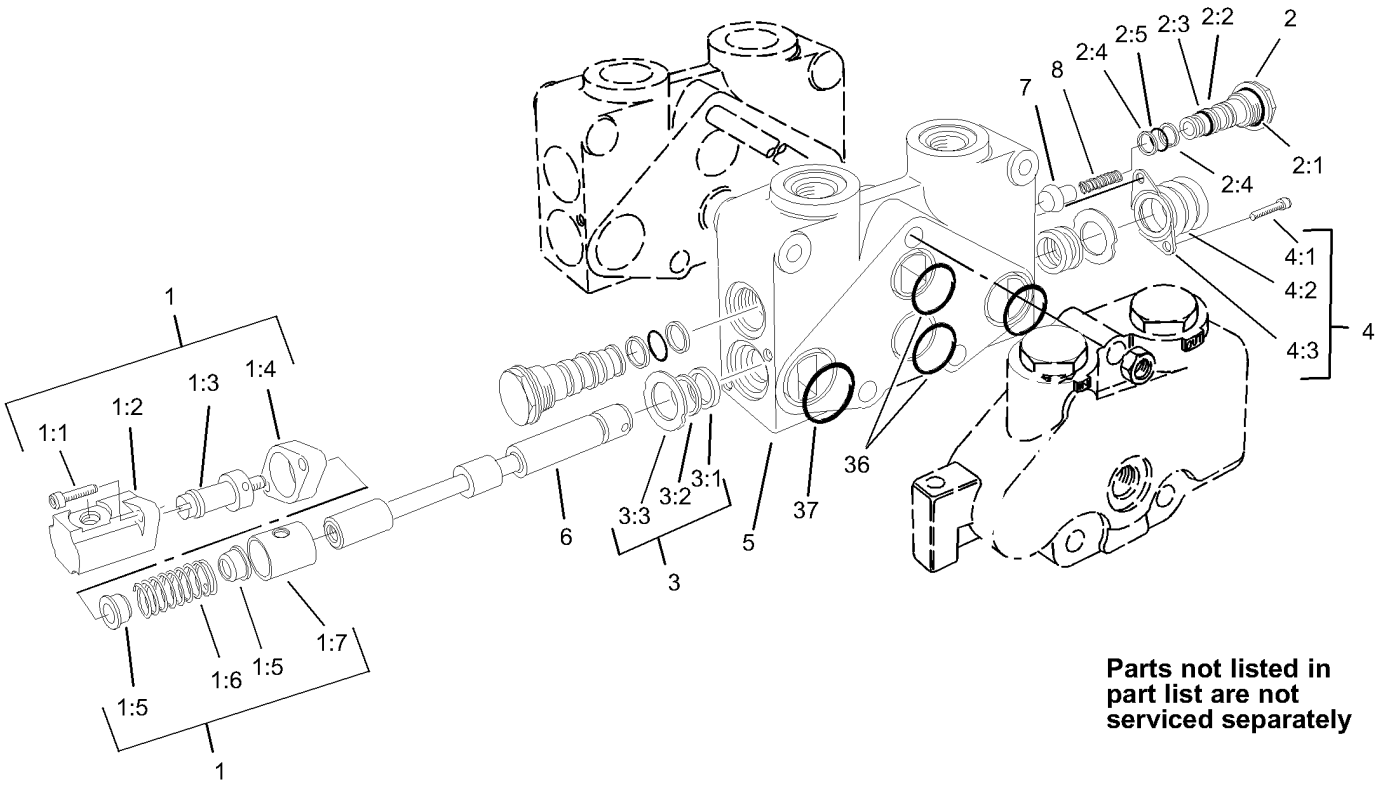
Ref	Part No.	Qty.	Description
29	340-137	1	Fitting
29:1	237-21	1	O-Ring
29:2	237-42	1	O-Ring
30	95-5987	1	Hose-HYD
32	12-3270	1	Screw
33	3234-4	1	Screw-HHF
34	98-0648	1	HYD Hose ASM
35	98-2153	1	HYD Hose ASM
36	2412-41	2	Clamp
37	3296-16	1	Nut-Lock, NI
38	3256-22	1	Washer-Flat
39	83-1890	2	Switch-Ball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

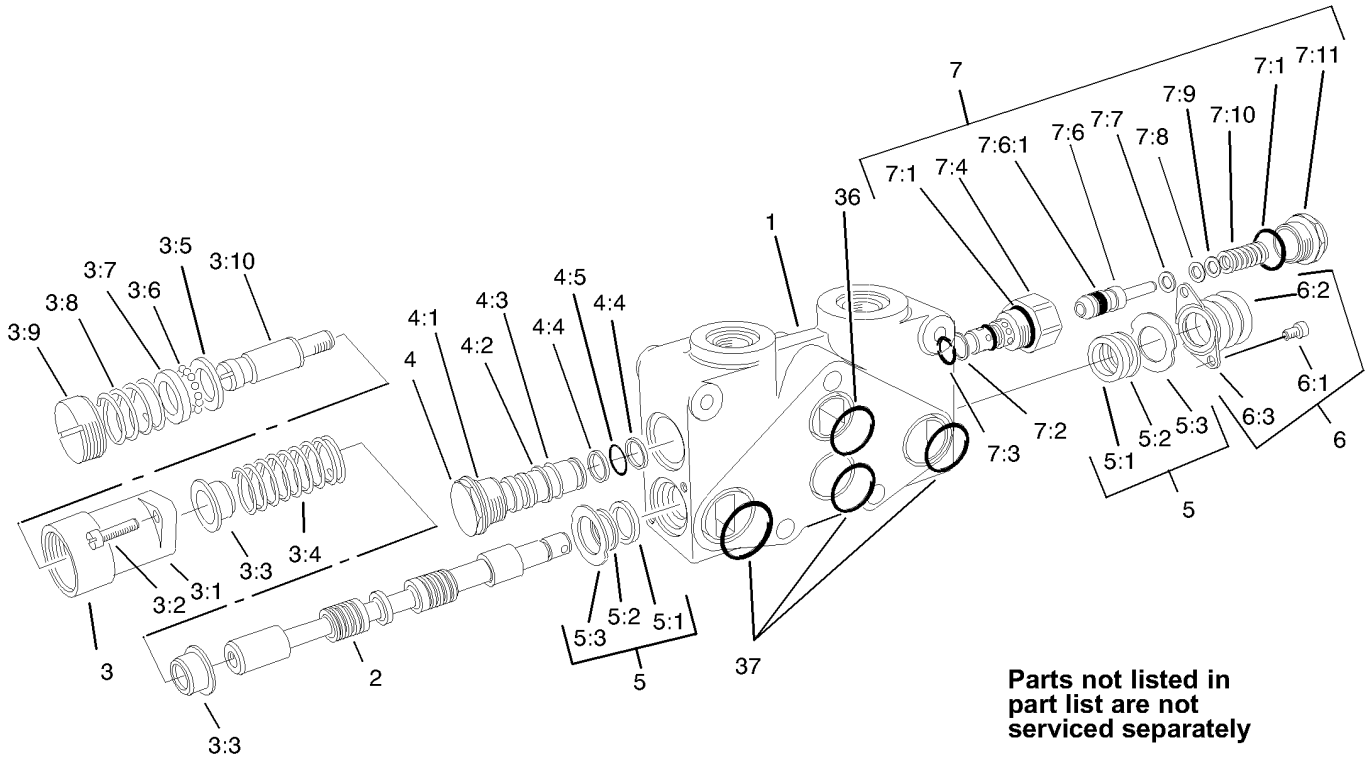
Ref	Part No.	Qty.	Description
12	354-122	1	Disc-Seal
❶13	92-2545	1	Spool Set Kit
❶14	84-2190	1	Section Seal Kit



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

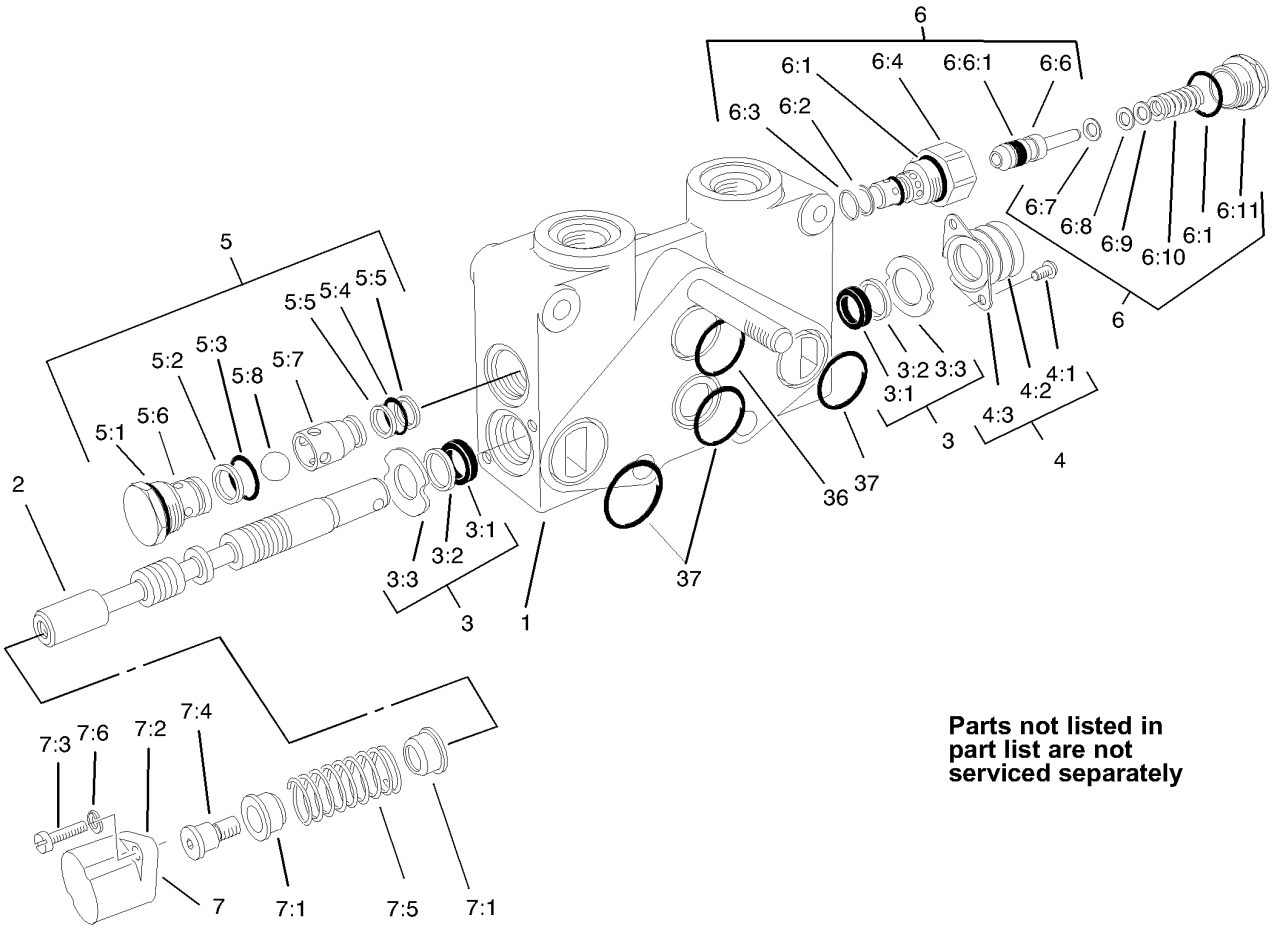


Parts not listed in part list are not serviced separately

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

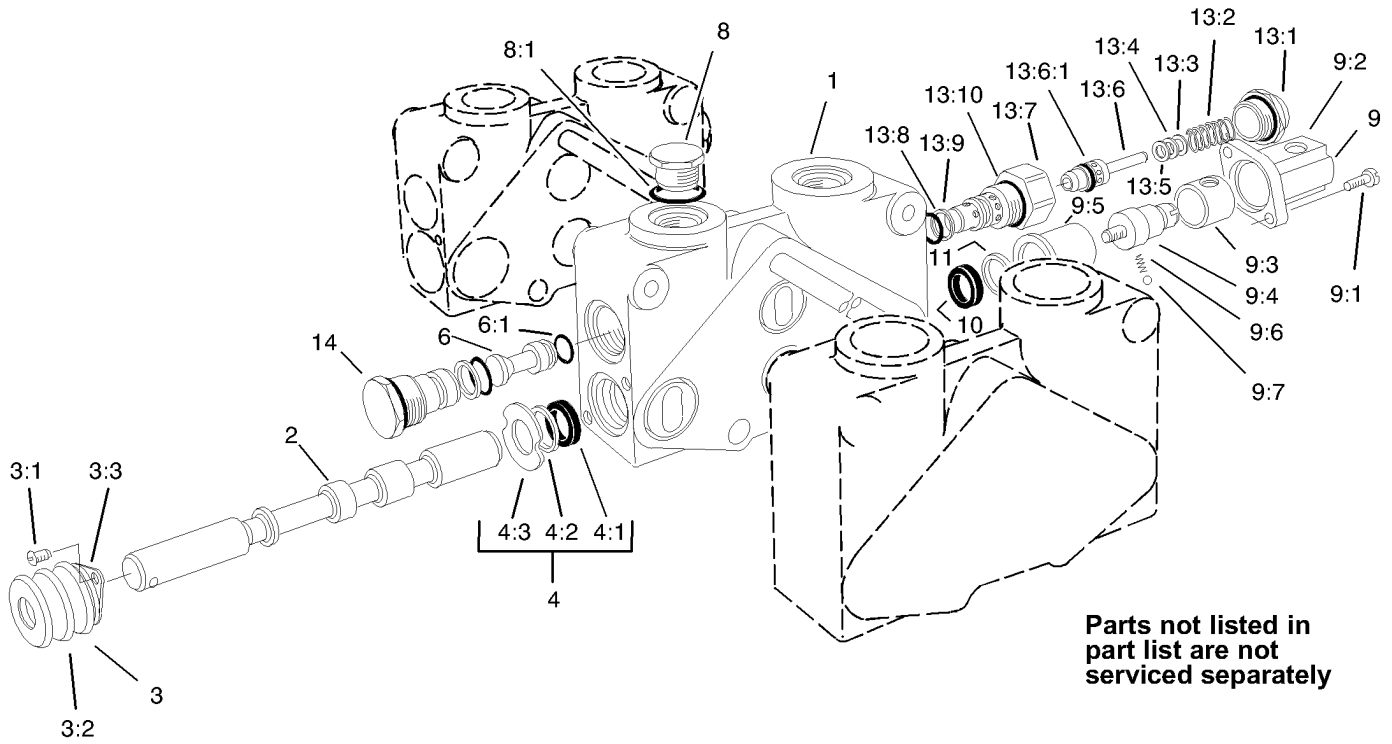


Parts not listed in part list are not serviced separately

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

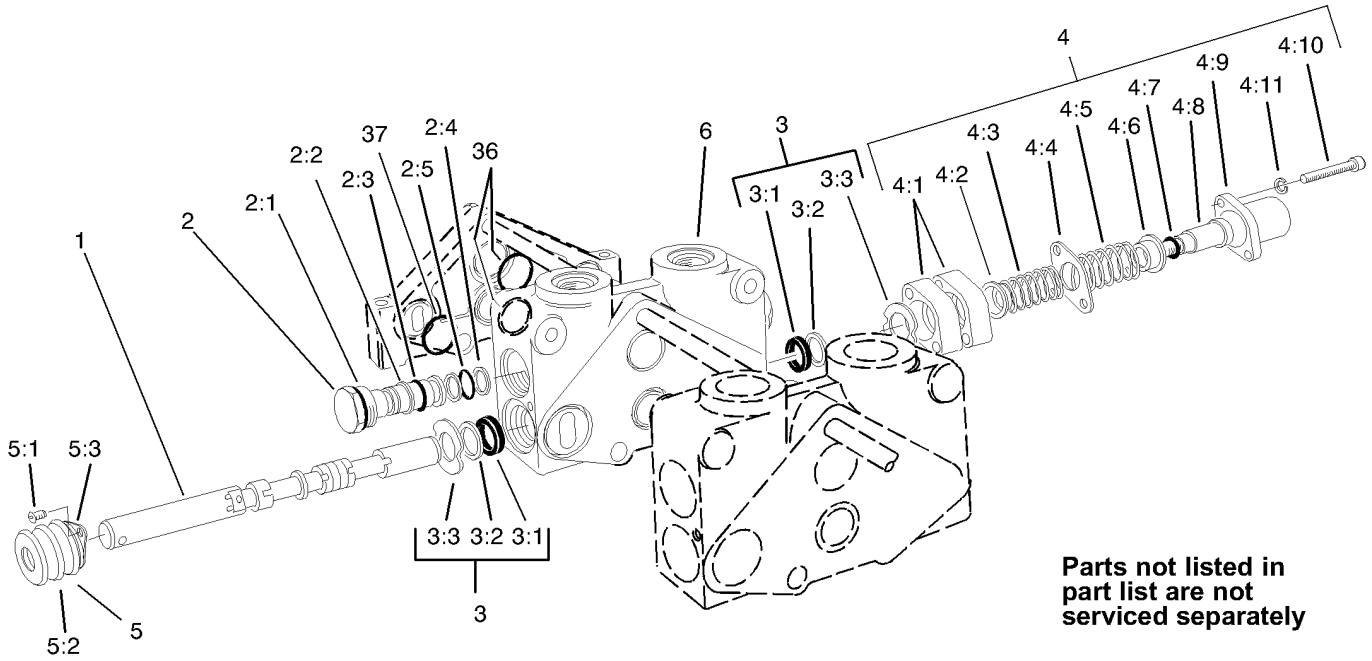
Ref	Part No.	Qty.	Description
6:6	353-531	1	Poppet And Ring ASM
6:6:1	353-392	1	Ring-Piston
6:7	353-328	1	Shim (.040)
6:8	353-329	1	Shim (.020)
6:9	353-330	1	Shim (.010)
6:10	353-398	1	Spring
6:11	353-334	1	Cap-Relief
7	105-3808	1	Positioner-Spring Return
7:1	353-417	2	Collar-Stop
7:2	99-6895	1	Bonnet
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, 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

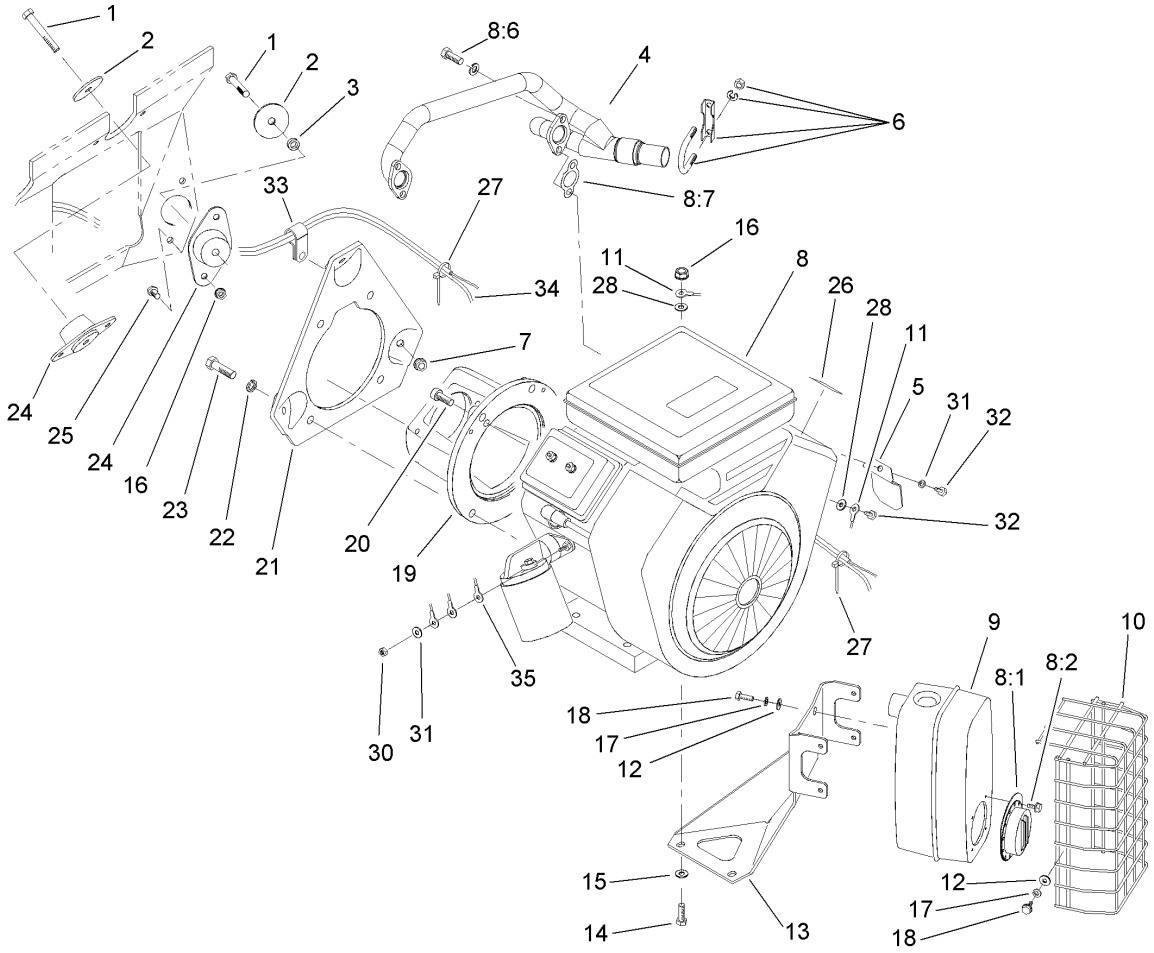
Ref	Part No.	Qty.	Description
13	354-140	1	Relief-Rcm
13:1	353-334	1	Cap-Relief
13:2	353-398	1	Spring
13:3	353-330	1	Shim (.010)
13:4	353-329	1	Shim (.020)
13:5	353-328	1	Shim (.040)
13:6	353-531	1	Poppet And Ring ASM
13:6:1	353-392	1	Ring-Piston
13:7	353-851	1	Body-Relief
13:8	353-305	1	O-Ring
13:9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

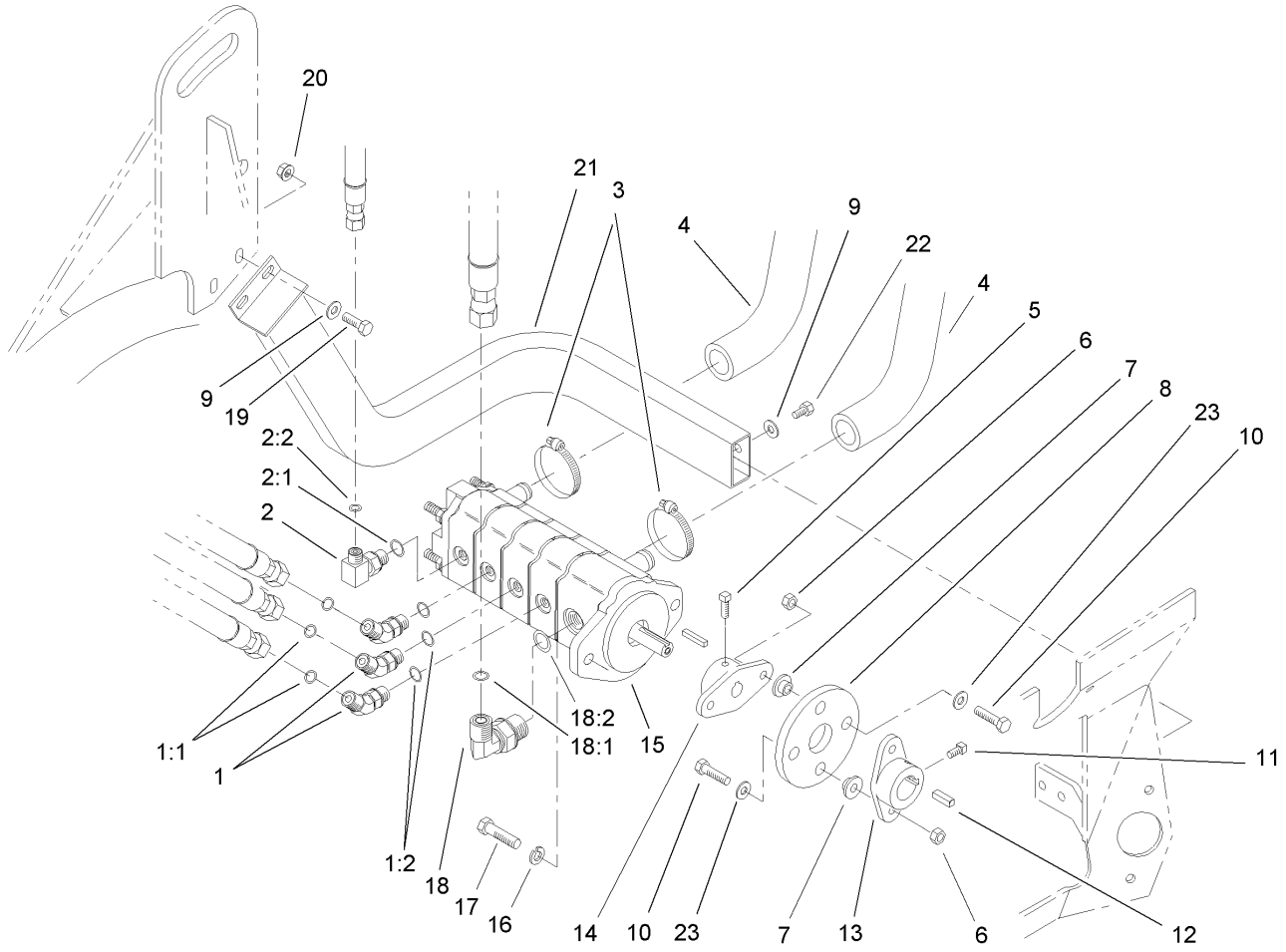
Ref	Part No.	Qty.	Description
5:1	3274-52	2	Screw-HSH
5:2	353-575	1	Boot
5:3	93-3651	1	Retainer-Boot
❷6		1	Housing-V20P
❷36		1	O-Ring
❷37		3	O-Ring



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	108-6539	1	Manifold-Exhaust
5	83-2310	1	Shield-Regulator
6	2112-11	1	Clamp-Muffler
7	3290-357	3	Nut-HHF, Whiz
8	108-6499	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
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
19	83-1060-03	1	Adapter-Pump
20	3274-7	2	Screw-HSH

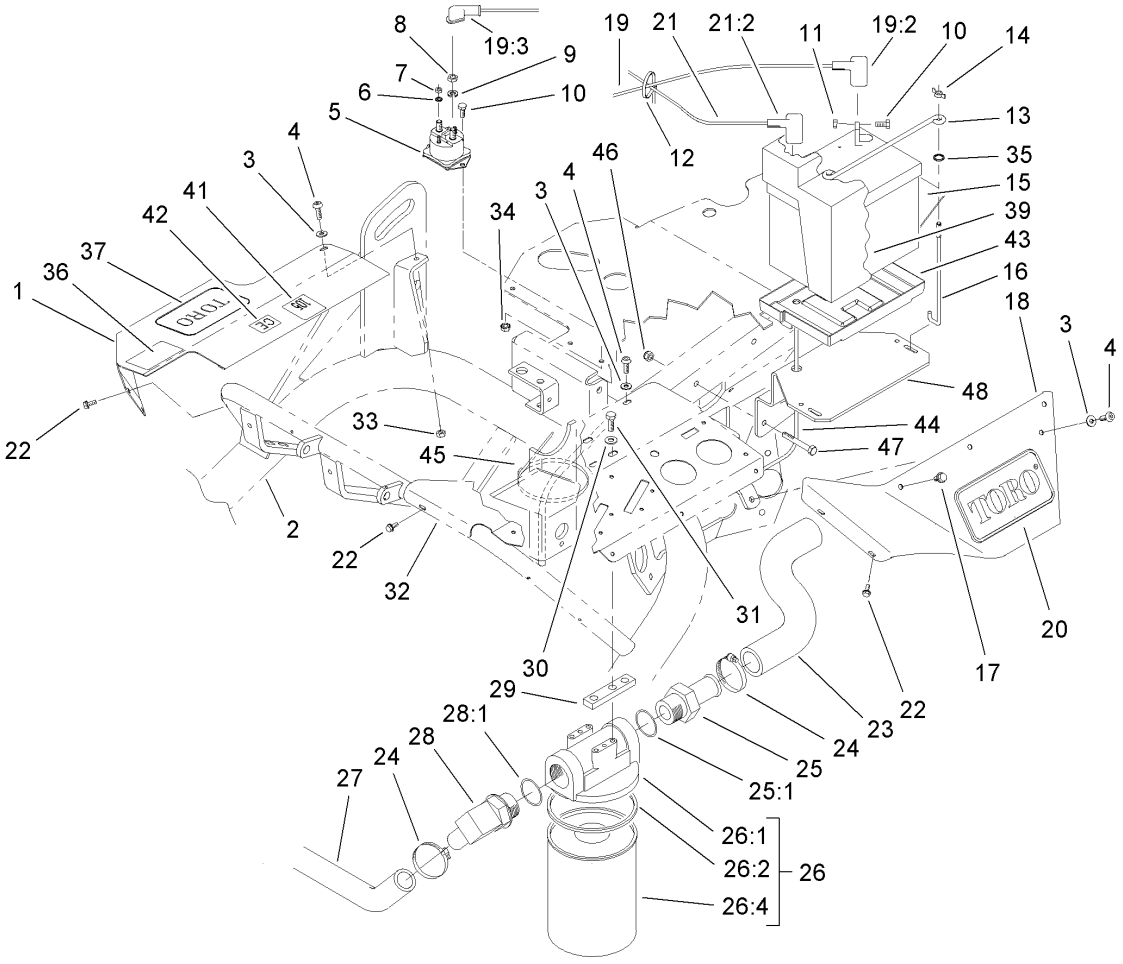
Ref	Part No.	Qty.	Description
21	85-8120-03	1	Plate-Mount, Engine
22	3253-6	4	Washer-Lock
23	324-7	4	Screw-HH
24	83-1030	3	Mount-Engine
25	322-3	6	Screw-HH
26	93-8069	1	Decal-Surface, Hot
27	3290-379	2	Tie-Cable
28	3255-24	2	Washer-Lock / EXT
30	43-2830	1	Nut-Hex
31	43-5930	2	Washer-Spring
32	33113-016	1	Screw-HH
33	2412-81	1	Clamp-R
34	98-2161	1	Cable-Battery, Positive
35	83-1150	1	Engine Ground Wire ASM



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-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	3241-2	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

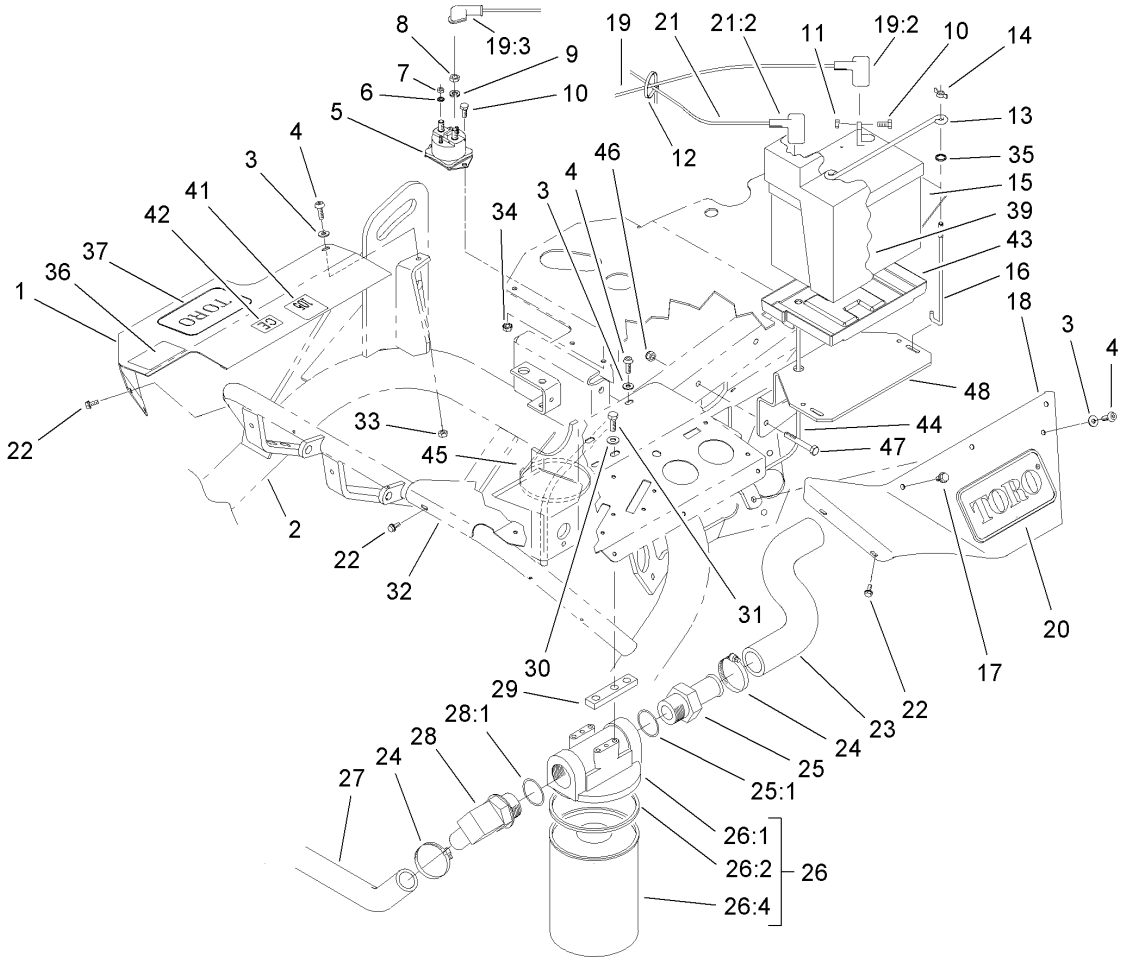
Ref	Part No.	Qty.	Description
18:2	237-30	1	O-Ring
19	322-4	2	Screw-HH
20	32128-20	2	Nut-HF
21	106-9077-01	1	Guard ASM
22	322-1	2	Screw-HH
23	3256-3	4	Washer-Flat



Frame Assembly

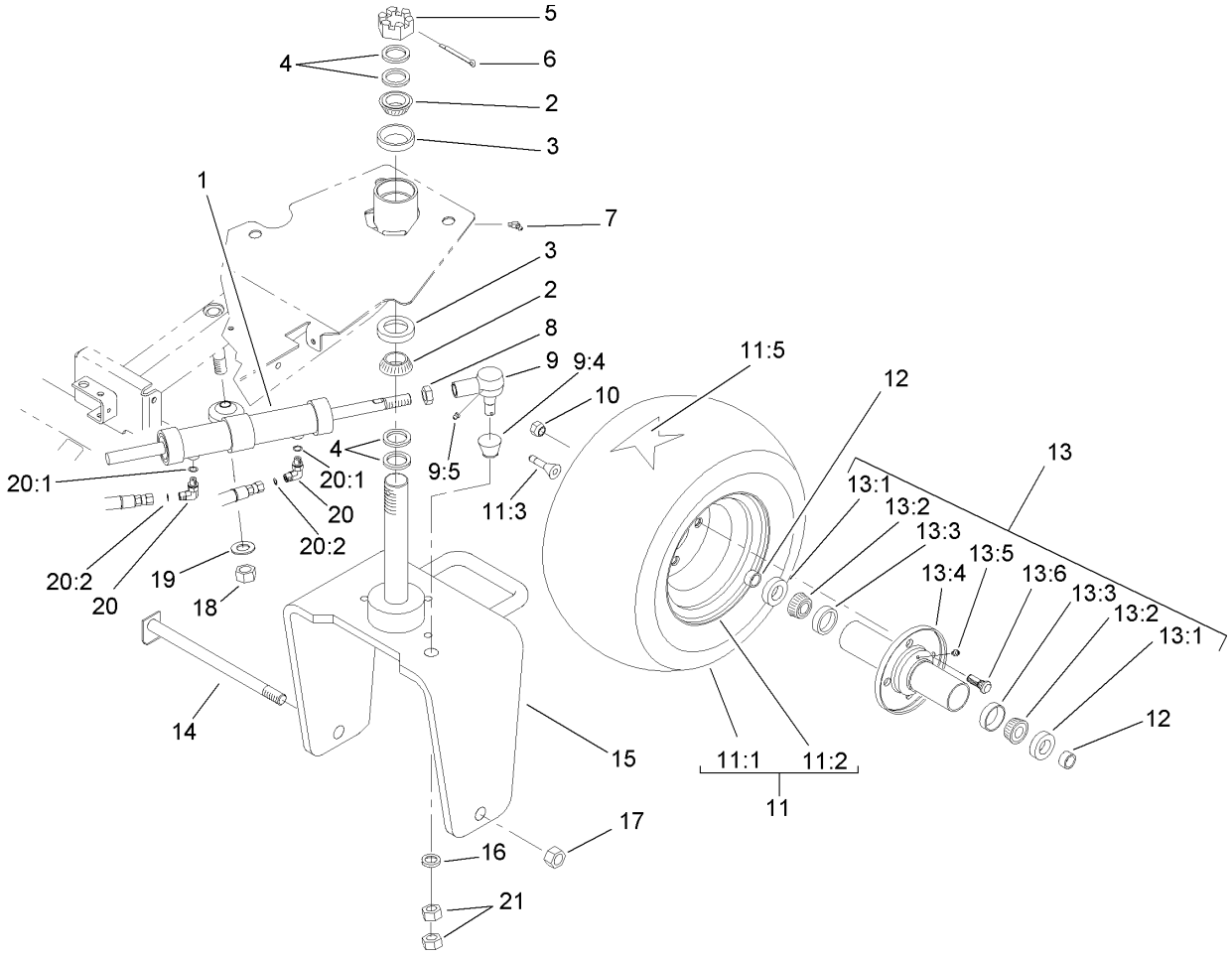
Ref	Part No.	Qty.	Description
1	94-2694-01	1	Cover-RH
2	106-6365-01	1	Frame ASM
3	3256-1	3	Washer-Flat
4	3274-69	3	Screw-HSBH
5	28-4210	1	Solenoid
6	3254-1	2	Washer-Lock, Int
7	3219-14	2	Nut-Hex
8	3218-13	2	Nut-Jam, Brass
9	3253-4	2	Washer-Lock
10	321-3	4	Screw-HH
11	3217-5	2	Nut-Hex
12	3290-378	1	Tie-Cable
13	100-6434	1	Rod-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
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

Ref	Part No.	Qty.	Description
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
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



Frame Assembly (continued)

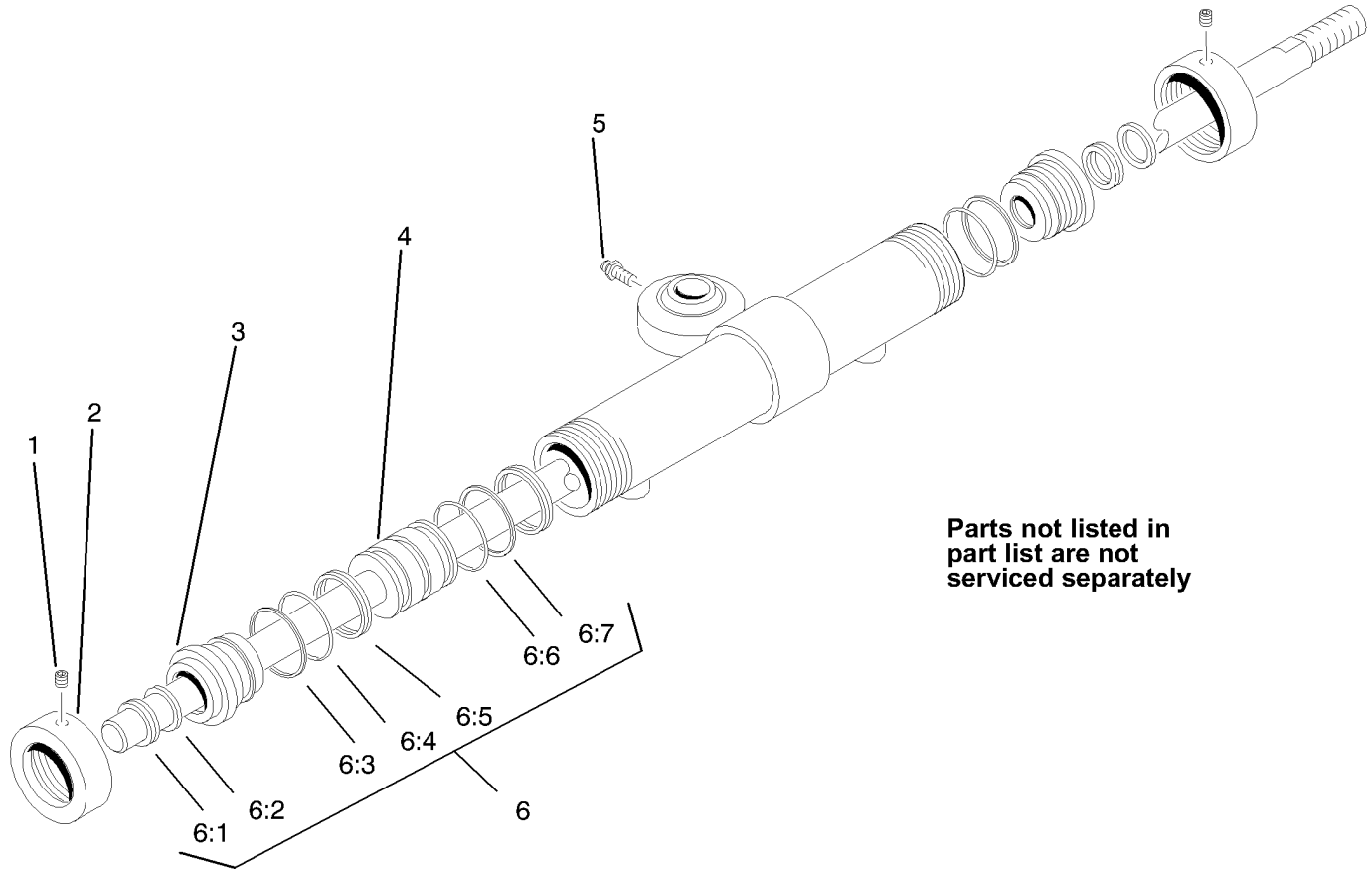
Ref	Part No.	Qty.	Description
43	106948	1	Tray-Battery
44	98-0601	1	Tube-Drain, Battery
45	3290-379	1	Tie-Cable
46	3296-29	2	Nut-Lock, NI
47	322-11	2	Screw-HH
48	104-2064-03	1	Battery Base ASM



Rear Wheel Assembly

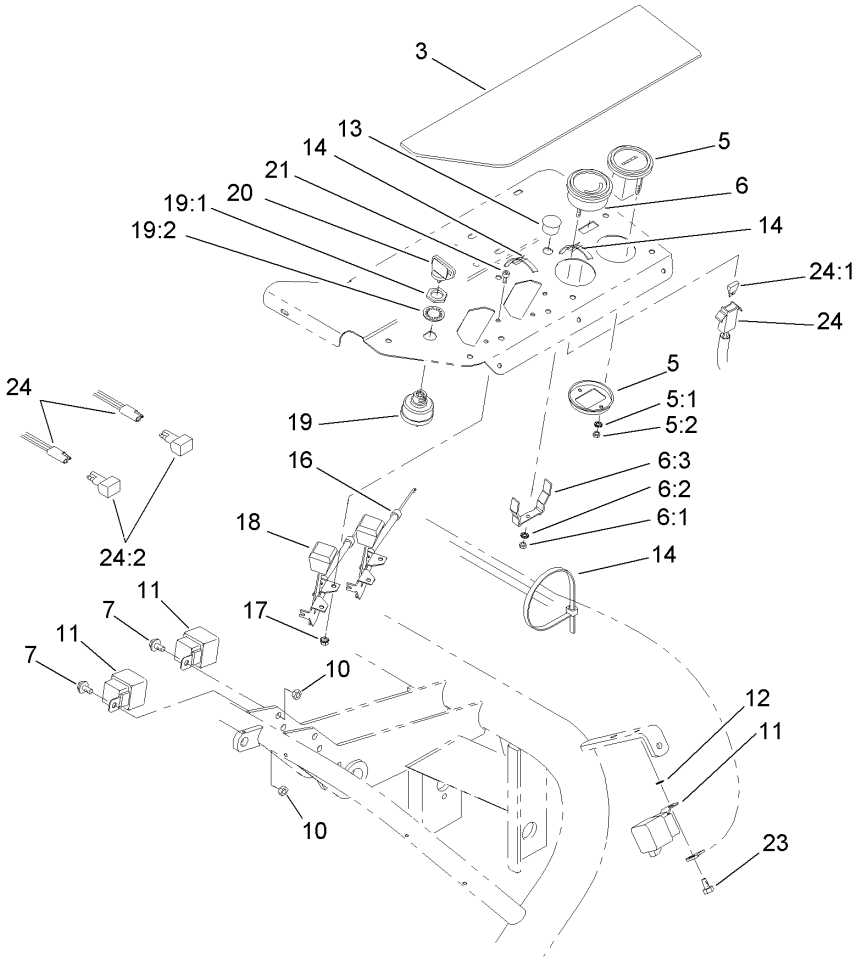
Ref	Part No.	Qty.	Description
1	83-2330	1	Cylinder-Steering
2	254-70	2	Bearing-Cone
3	254-61	2	Cup-Bearing
4	18-6320	4	Washer-Steering
5	32136-9	1	Nut-Hex, Slotted
6	3272-37	1	Pin-Cotter
7	302-11	1	Fitting-Lube, 45 DEG
8	84-5300	1	Nut-Jam
9	107-2553	1	Rod End ASM
9:4	106-6896	1	Seal
9:5	302-5	1	Fitting-Grease
10	242-50	4	Nut-Lug
❷11		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
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

Ref	Part No.	Qty.	Description
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



Hydraulic Cylinder Assembly No. 83-2330

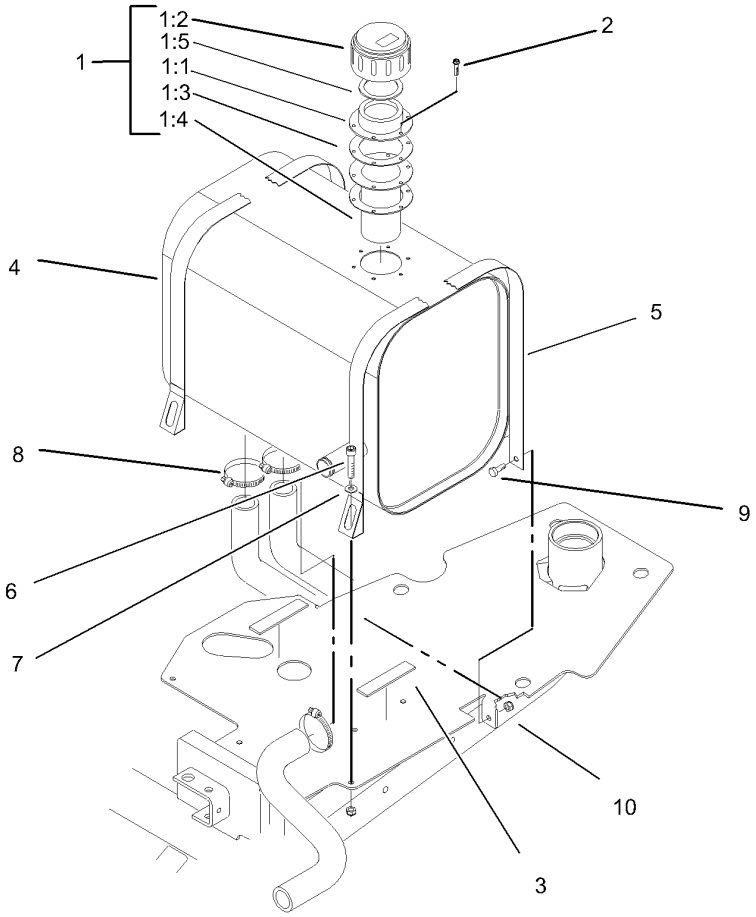
Ref	Part No.	Qty.	Description
1	3245-1	2	Screw-Set, HSH
❷2		2	Cap-Threaded
❷3		2	Cap-Head, Threaded
❷4		2	Rod ASM
5	302-5	1	Fitting-Grease
6	83-2380	1	Seal Repair Kit
❷6:1		2	Wiper-Rod
❷6:2		2	U-Cup-Double Lip
❷6:3		2	Ring-Back-Up
❷6:4		2	O-Ring
❷6:5		2	Ring-Wear
❷6:6		1	O-Ring
❷6:7		1	O-Ring



Control Panel Assembly

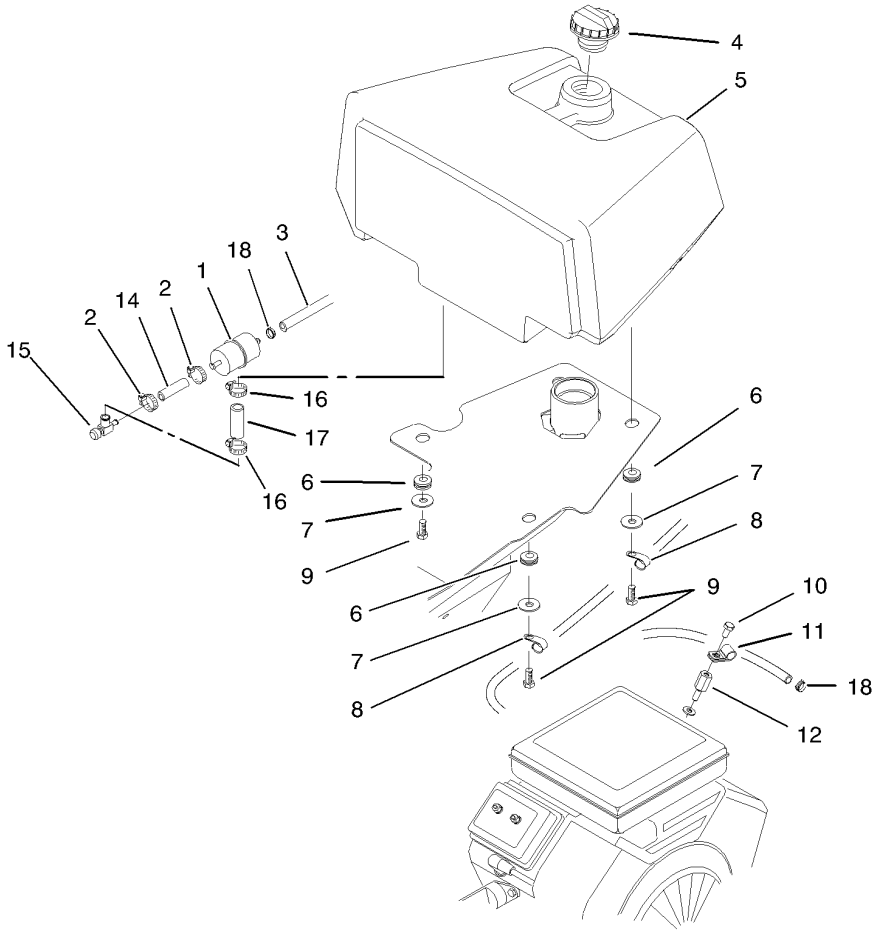
Ref	Part No.	Qty.	Description
3	107-2554	1	Decal-Panel, Control
5	66-2950	1	Gauge-Hourmeter
5:1	3255-20	2	Washer-Lock
5:2	3217-25	2	Nut-Hex
6	98-2160	1	Voltmeter
6:1	3217-27	1	Nut-Hex
6:2	3255-25	1	Washer-Lock
6:3	78-0080	1	Clamp-Mounting
7	321-4	2	Screw-HH
10	3296-16	2	Nut-Lock, NI
11	70-1480	3	Relay
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
18	83-0030	1	Control-Throttle
19	104-2541	1	Switch-Key
19:1	218-461	1	Nut-HH
19:2	3254-5	1	Washer-Tooth
20	63-8360	2	Key-Ignition
21	3290-134	4	Screw
23	32104-95	1	Screw-HWH
24	108-6493	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



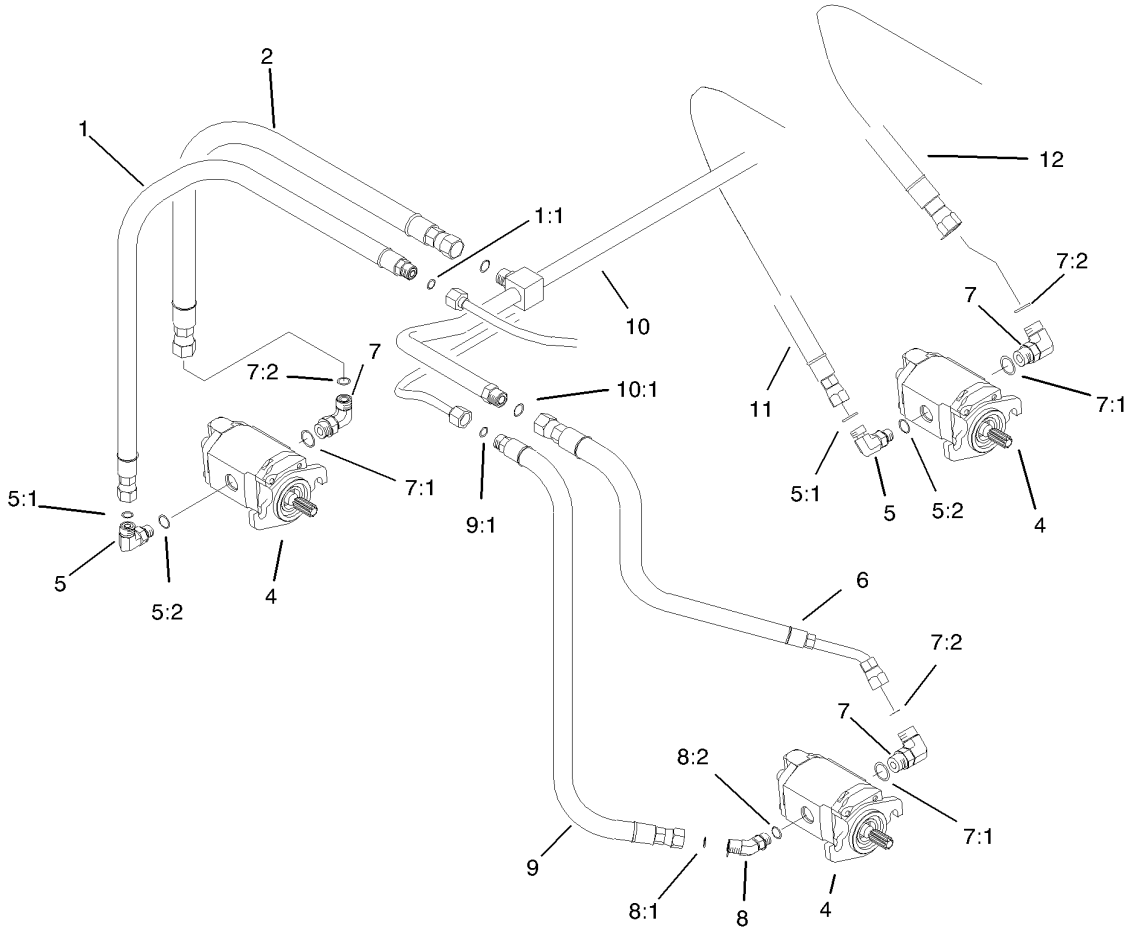
Hydraulic Reservoir Assembly

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



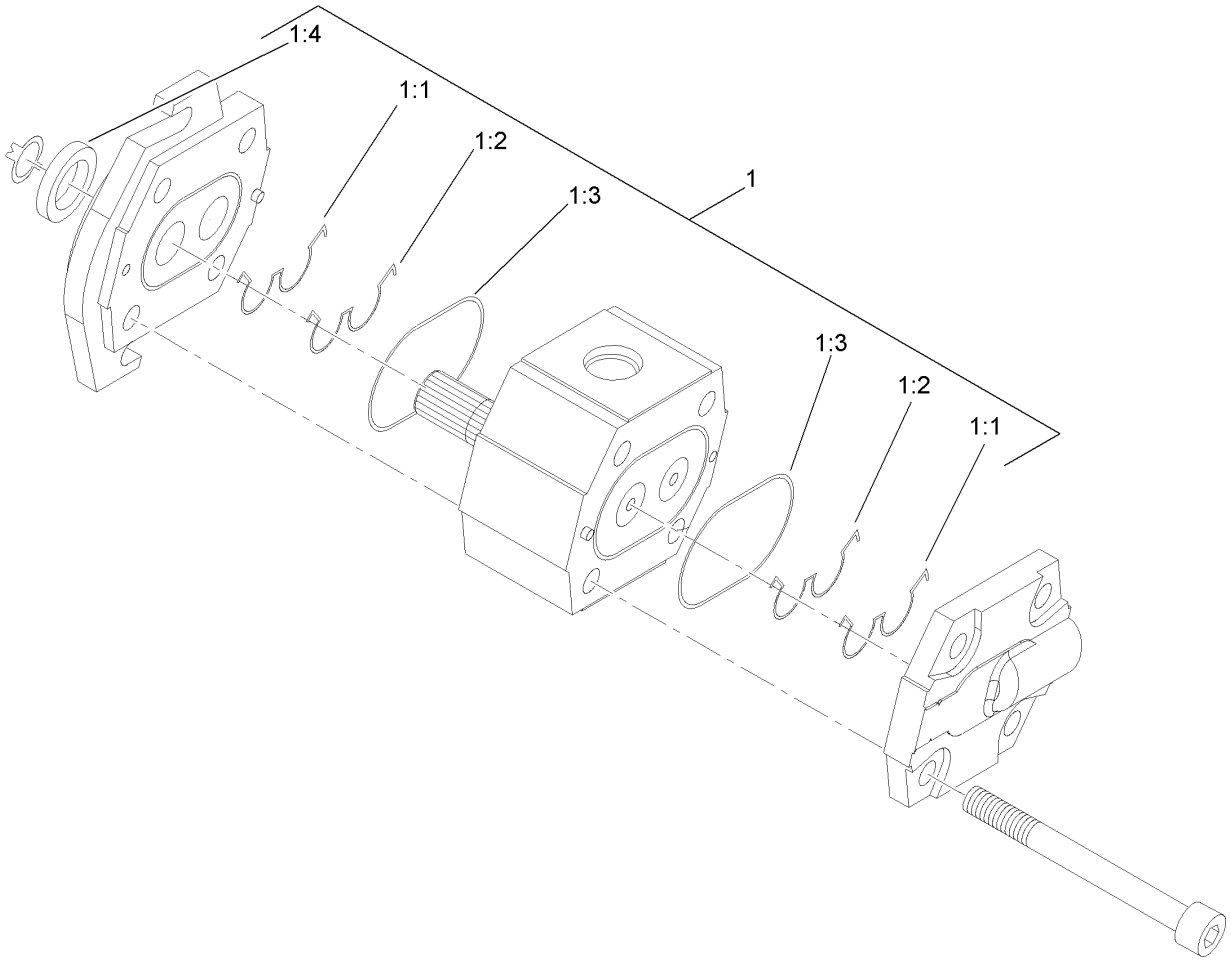
Fuel Tank Assembly

Ref	Part No.	Qty.	Description
1	94-2690	1	Filter-Fuel
2	2412-108	2	Clamp-Worm
3	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



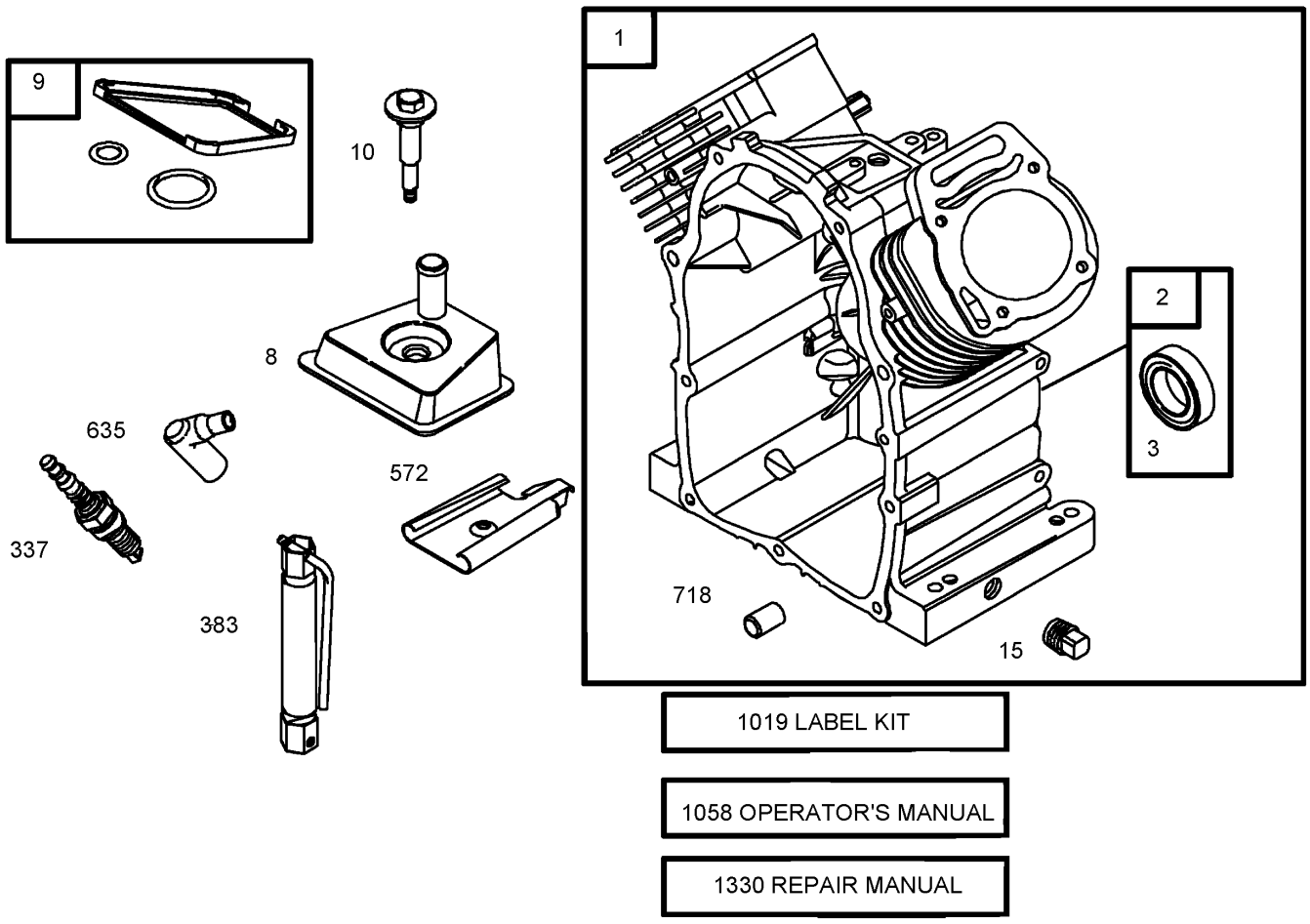
Reel Motor Installation Assembly

Ref	Part 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



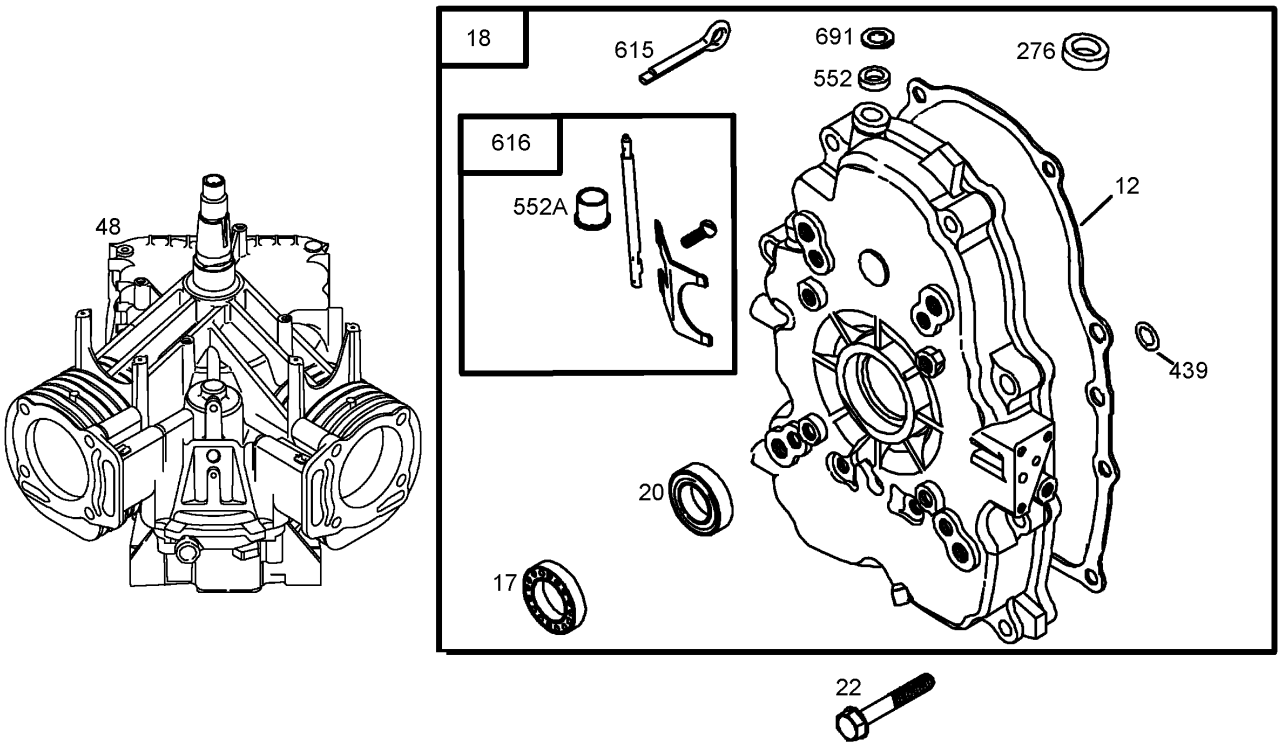
Hydraulic Motor Assembly No. 105-9770

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



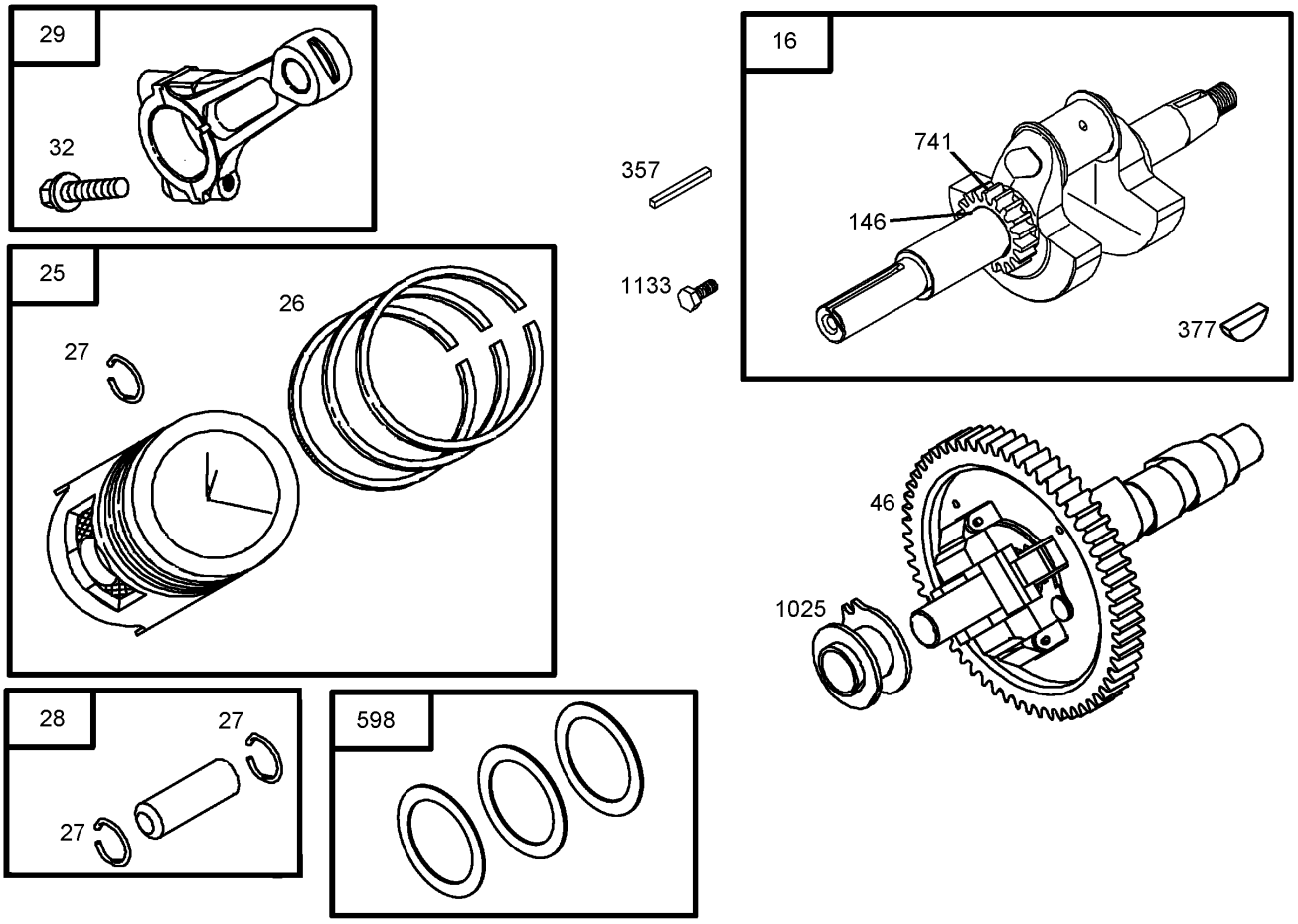
Cylinder Assembly
Briggs and Stratton 356447-0200-E1

Ref	Part No.	Qty.	Description
❸1	692544	1	Cylinder ASM
❸2	808534	1	Bushing / Seal Kit
❸❺3	805101	1	Seal-Oil
❸8	808984	1	Breather ASM
❸❺9	809094	1	Gasket-Breather
❸10	690751	1	Screw (Breather ASM)
❸15	690946	1	Plug-Drain, Oil
❸337	496018	1	Plug-Spark
❸383	19374	1	Wrench-Spark Plug
❸572	690686	1	Baffle-Breather
❸635	692076	1	Boot-Spark Plug
❸718	806469	1	Pin-Locating
❸1019	808036	1	Label Kit
❸1058	276343	1	Operator’s Manual
❸1330	272144	1	Repair Manual



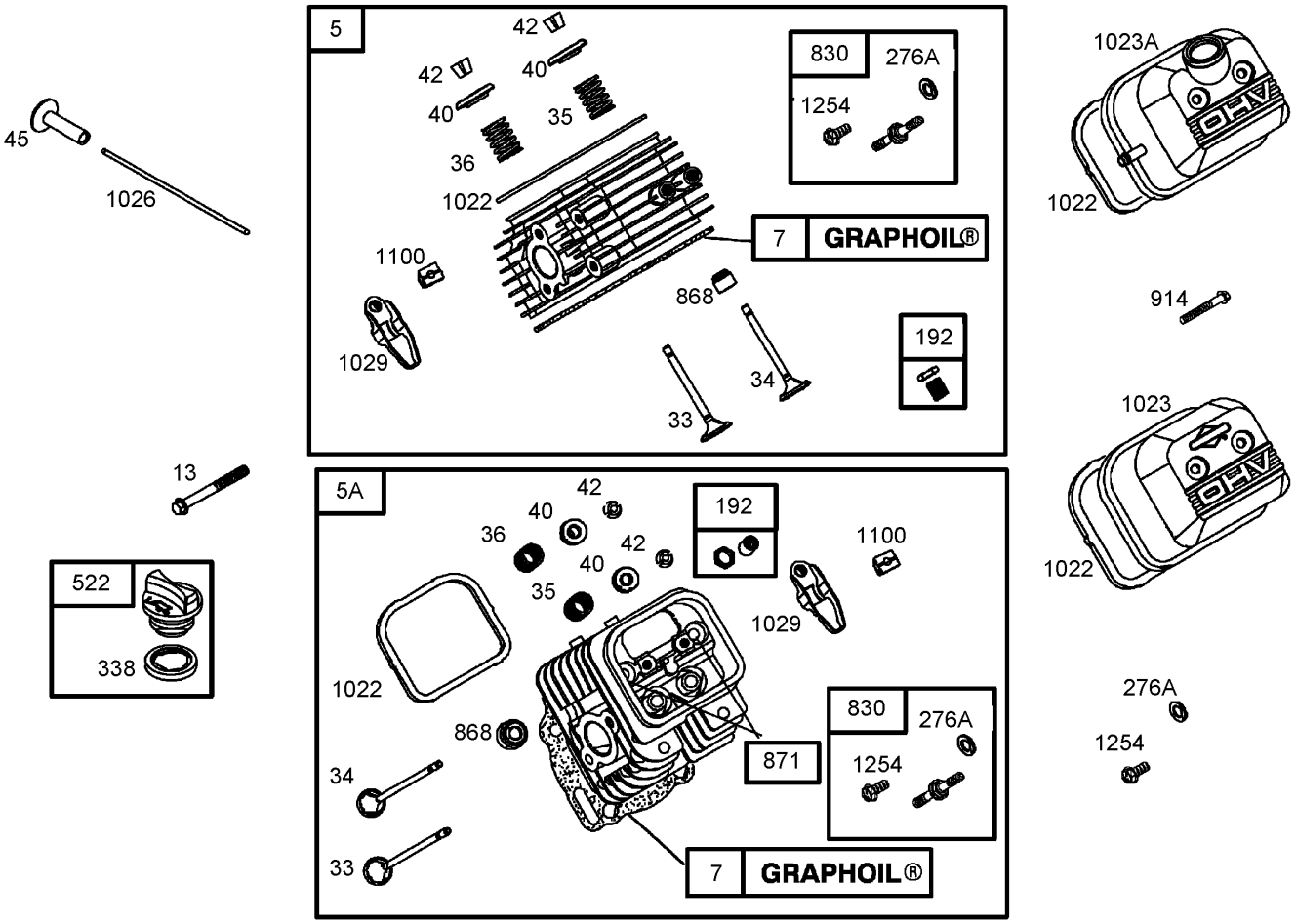
Crankcase Assembly
Briggs and Stratton 356447-0200-E1

Ref	Part No.	Qty.	Description
❸❺12	691684	1	Gasket-Crankcase
❸17	690752	1	Bearing-Ball
❸18	808847	1	Cover-Crankcase
❸❺20	805049	1	Seal-Oil
❸22	807362	1	Screw (Crankcase Cover)
❸48		1	Short Block (Not Available At Time Of Print)
❸276	690724	1	Seal-O Ring
❸❺439	692154	1	Seal-O Ring
❸552	690701	1	Bushing-Crank, Governor
❸552A	806686	1	Bushing-Crank, Governor
❸615	691550	1	Retainer-Shaft, Governor
❸616	806685	1	Crank-Governor
❸❺691	690680	1	Seal-Shaft, Governor



Crankshaft Assembly
Briggs and Stratton 356447-0200-E1

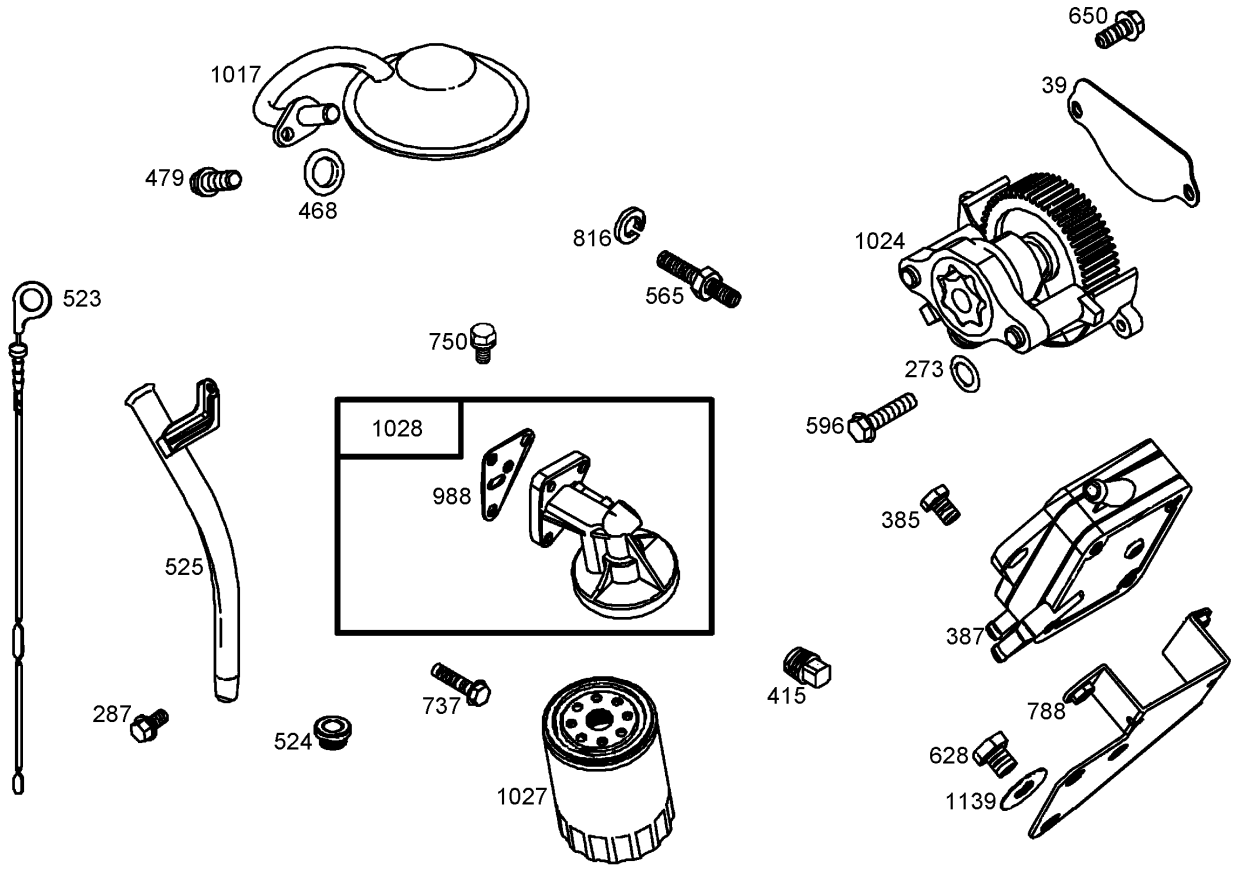
Ref	Part No.	Qty.	Description
❸16	809842	1	Crankshaft
❸25	808326	1	Piston ASM (Standard)
❸25	808337	1	Piston ASM (.020 O.S.)
❸26	807889	1	Ring Set (Standard)
❸26	807995	1	Ring Set (.020 O.S.)
❸27	690683	1	Lock-Pin, Piston
❸28	807886	1	Pin-Piston
❸29	807900	1	Rod-Connecting (Standard)
❸29	807803	1	Rod-Connecting (.020 Undersize)
❸32	690698	1	Screw
❸46	691557	1	Camshaft
❸146	691639	1	Key-Timing
❸357	691483	1	Key–Pulley, Drive
❸377	808095	1	Key-Woodruff
❸598	807625	1	Shim-Play, End
❸741	691530	1	Gear-Timing
❸1025	690689	1	Spool-Governor
❸1133	690342	1	Screw (Crankshaft)



Cylinder Head Assembly
Briggs and Stratton 356447-0200-E1

Ref	Part No.	Qty.	Description
❸5	809185	1	Cylinder Head (No. 1)
❸5A	809186	1	Cylinder Head (No. 2)
❸❺7❻	690888	1	Gasket-Head, Cylinder
❸13	692059	1	Screw (Cylinder Head)
❸33	807681	1	Valve-Exhaust
❸34	807680	1	Valve-Intake
❸35	692084	1	Spring-Valve
❸36	692084	1	Spring-Valve
❸40	692058	1	Retainer-Valve
❸42	807683	1	Keeper-Valve
❸45	690977	1	Valve-Tappet
❸192	807623	1	Adjuster-Arm, Rocker
❸❺276A❻	807085	1	Washer-Sealing
❸❺338❻	691312	1	Gasket-Dipstick
❸522	491832	1	Plug-Dipstick / Fill
❸830	809157	1	Stud-Arm, Rocker
❸❺868❻	691963	1	Seal-Valve
❸871	692057	1	Bushing-Guide, Valve
❸914	807120	1	Screw (Rocker Cover)
❸❺1022❻	806039	1	Gasket-Cover, Rocker
❸1023	691494	1	Cover-Valve

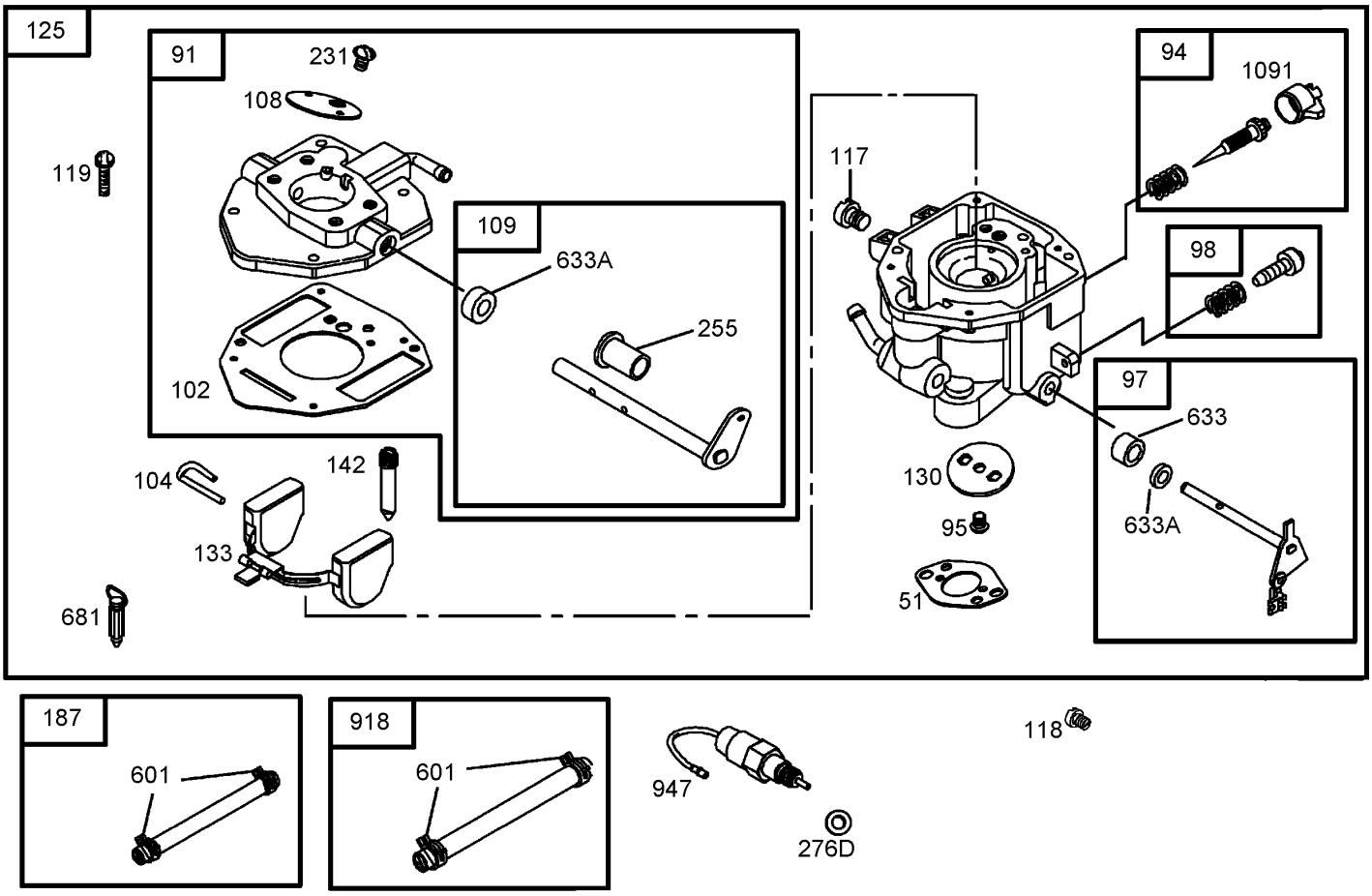
Ref	Part No.	Qty.	Description
❸1023A	690910	1	Cover-Valve
❸1026	691836	1	Rod-Push (Intake)
❸1026	691758	1	Rod-Push (Exhaust)
❸1029	807323	1	Arm-Rocker
❸1100	690973	1	Pivot-Arm, Rocker
❸1254	807084	1	Screw (Rocker Arm Stud)



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

Ref	Part No.	Qty.	Description
❸39	690745	1	Deflector-Oil
❸❺273	690681	1	Seal-O Ring
❸287	692062	1	Screw
❸385	807084	1	Screw
❸387	808969	1	Pump-Fuel
❸415	690283	1	Plug
❸❺468	690690	1	Seal-O Ring
❸479	807084	1	Screw
❸523	693175	1	Dipstick
❸❺524❻	693172	1	Seal-Tube, Dipstick
❸525	693174	1	Tube-Dipstick
❸565	690682	1	Stud (Oil Filter Adapter)
❸596	691492	1	Screw
❸628	692062	1	Screw
❸650	841233	1	Screw
❸737	690679	1	Screw (Oil Filter Adapter)
❸750	692539	1	Screw
❸788	691559	1	Bracket-Pump, Fuel
❸816	690706	1	Washer
❸❺988	692063	1	Gasket-Adapter, Oil Filter
❸1017	690900	1	Screen-Pump, Oil
❸1024	693185	1	Pump-Oil
❸1027	492932	1	Filter-Oil

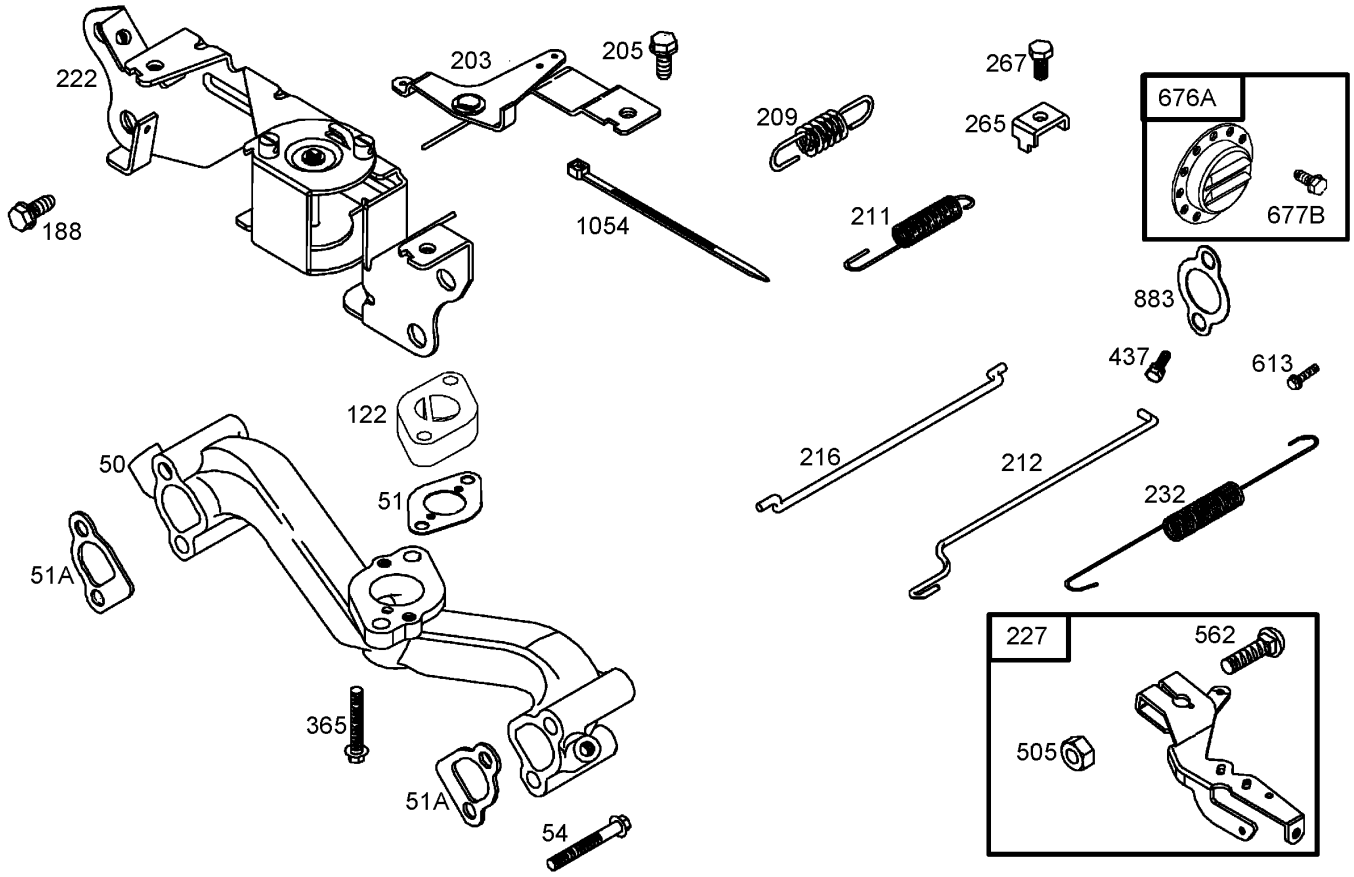
Ref	Part No.	Qty.	Description
❸1028	808235	1	Adapter-Filter, Oil
❸1139	806497	1	Washer



Carburetor Assembly
Briggs and Stratton 356447-0200-E1

Ref	Part No.	Qty.	Description
❸❺51	691694	1	Gasket-Intake
❸91	809208	1	Upper Carburetor Body ASM
❸❹94	808257	1	Idle Mixture Kit
❸95	690718	1	Screw
❸97	807495	1	Shaft–Throttle
❸98	808981	1	Idle Speed Kit
❸❹102	692077	1	Gasket-Body, Carburetor
❸❹104	690723	1	Pin-Hinge, Float
❸108	690719	1	Valve-Choke
❸109	809096	1	Shaft-Choke
❸❹117	690862	1	Jet–Main (STD)
❸118	809442	1	Jet–Main (High Altitude)
❸119	690720	1	Screw
❸125	809217	1	Carburetor
❸130	690726	1	Valve-Throttle
❸133	806961	1	Float-Carburetor
❸142	690725	1	Nozzle-Carburetor
❸187	791766	1	Line–Fuel
❸231	690718	1	Screw
❸❹255	690721	1	Bushing-Shaft, Choke
❸276D	806137	1	Washer-Sealing
❸601	791850	1	Clamp–Hose
❸❹633	806131	1	Seal-Shaft, Choke / Throttle
❸❹633A	690722	1	Seal-Shaft, Choke / Throttle

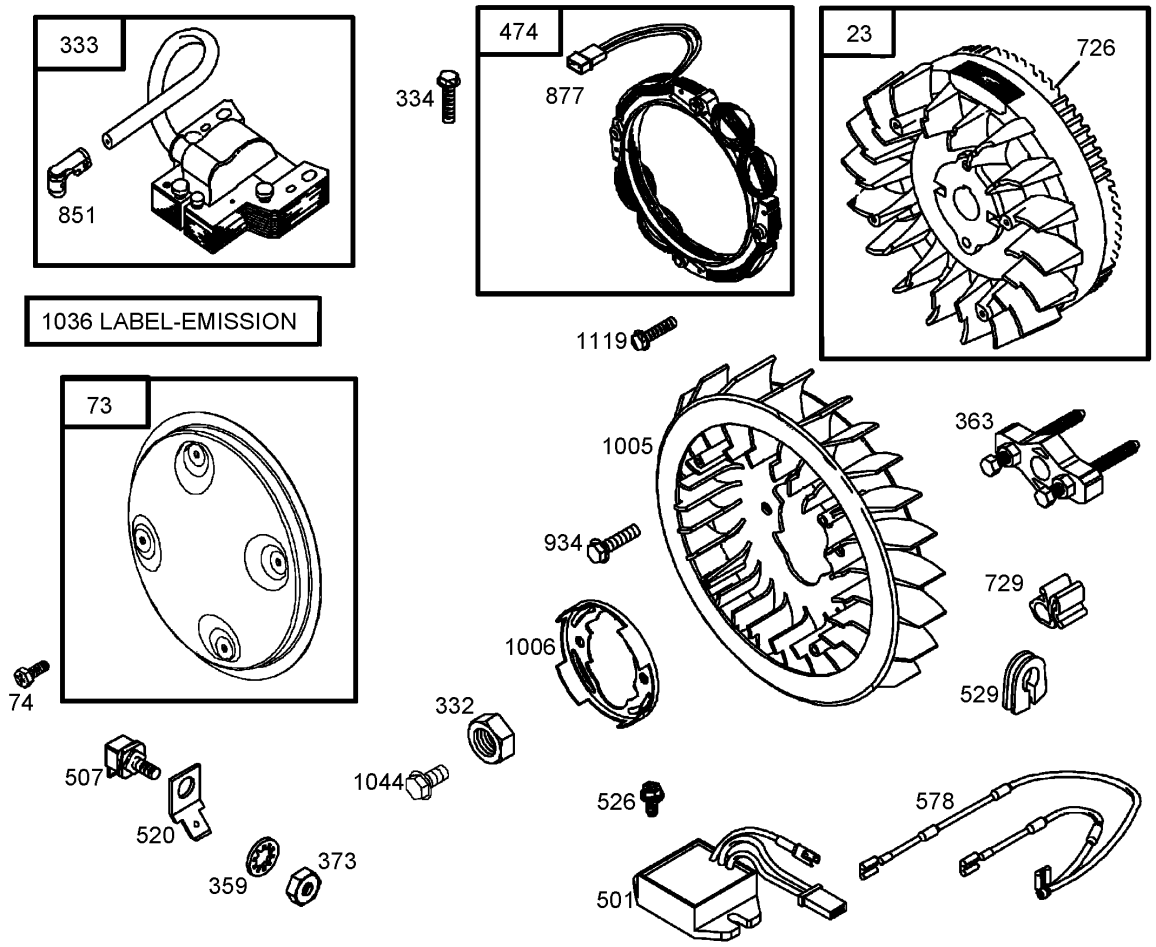
Ref	Part No.	Qty.	Description
❸❹681	808798	1	Valve-Needle, Float
❸918	393815	1	Line-Vacuum
❸947	692094	1	Solenoid-Fuel
❸❹1091	691516	1	Cap-Limiter



Governor Assembly
Briggs and Stratton 356447-0200-E1

Ref	Part No.	Qty.	Description
❸50	690754	1	Manifold-Intake
❸❺51	691694	1	Gasket-Intake
❸❺51A ❻	692035	1	Gasket-Intake
❸54	690676	1	Screw
❸122	690691	1	Spacer-Carburetor
❸188	692056	1	Screw
❸203	690923	1	Crank-Bell
❸205	692083	1	Screw
❸209	806872	1	Spring-Governor
❸211	806868	1	Spring-Idle, Governe
❸212	690712	1	Link-Throttle
❸216	690705	1	Link-Choke
❸222	808454	1	Bracket-Control
❸227	690236	1	Lever-Control, Governor
❸232	692073	1	Spring-Link, Governor
❸265	691024	1	Clamp-Casing
❸267	692083	1	Screw
❸365	690711	1	Screw
❸437	691902	1	Screw (Exhaust Manifold)
❸505	690238	1	Nut
❸562	690239	1	Bolt
❸613	691902	1	Screw (Muffler)
❸676A	397630	1	Deflector-Exhaust

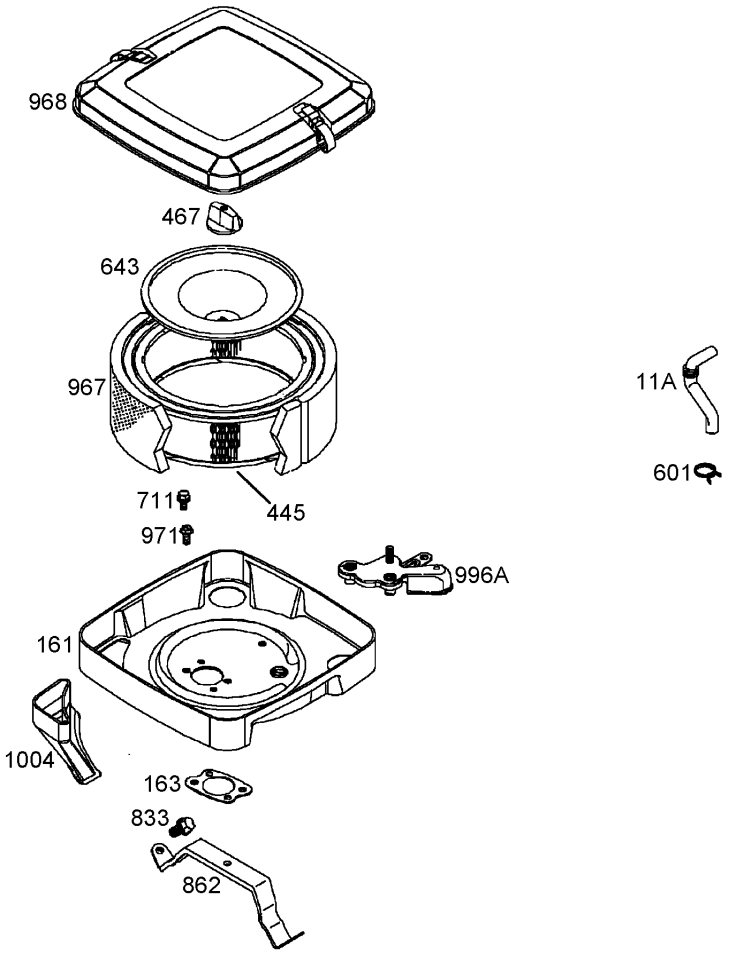
Ref	Part No.	Qty.	Description
❸677B	690661	1	Screw
❸❺883 ❻	691613	1	Gasket-Exhaust
❸1054	280275	1	Tie-Cable



Blower Housing Assembly
Briggs and Stratton 356447-0200-E1

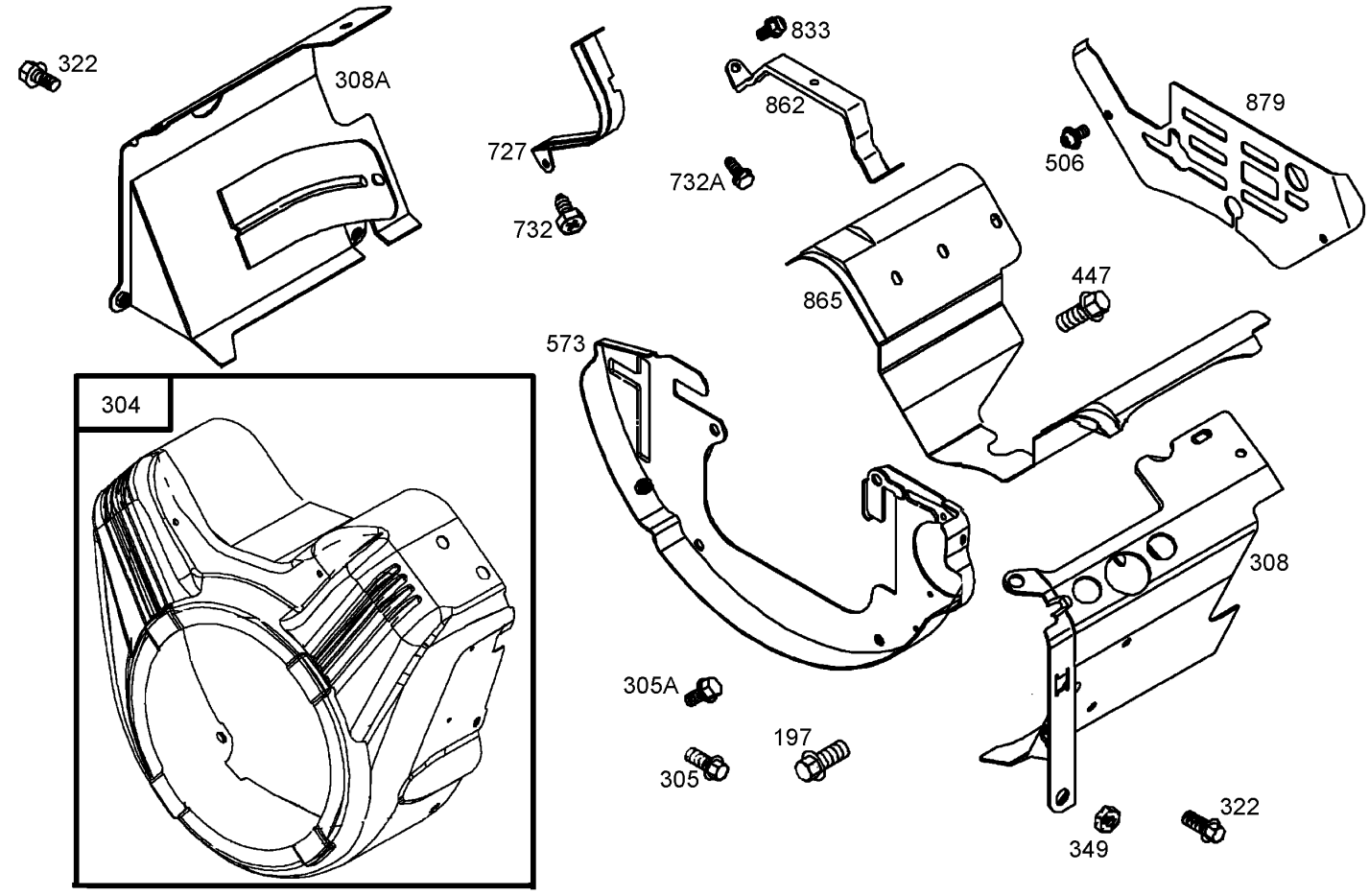
Ref	Part No.	Qty.	Description
❸23	841050	1	Flywheel
❸73	841440	1	Screen–Rotating
❸74	841441	1	Screw
❸332	690887	1	Nut
❸333	492341	1	Armature-Magneto
❸334	692066	1	Screw (Magneto Armature)
❸359	691077	1	Washer
❸363	19203	1	Puller-Flywheel
❸373	691612	1	Nut
❸474	696458	1	Alternator
❸501	691185	1	Regulator
❸507	691972	1	Insulator
❸520	691084	1	Terminal-Ground
❸526	692067	1	Screw
❸529	690744	1	Grommet
❸578	692319	1	Wire ASM
❷❸726		1	Gear–Ring
❸729	690586	1	Clip-Wire
❸851	493880	1	Terminal-Spark Plug
❸877	399916	1	Wire/Connector-Alternator
❸934	691058	1	Screw
❸1005	841439	1	Fan–Flywheel
❸1006	690452	1	Retainer-Fan
❸1036	842669	1	Label–Emission

Ref	Part No.	Qty.	Description
❸1044	692056	1	Screw
❸1119	691552	1	Screw (Alternator)



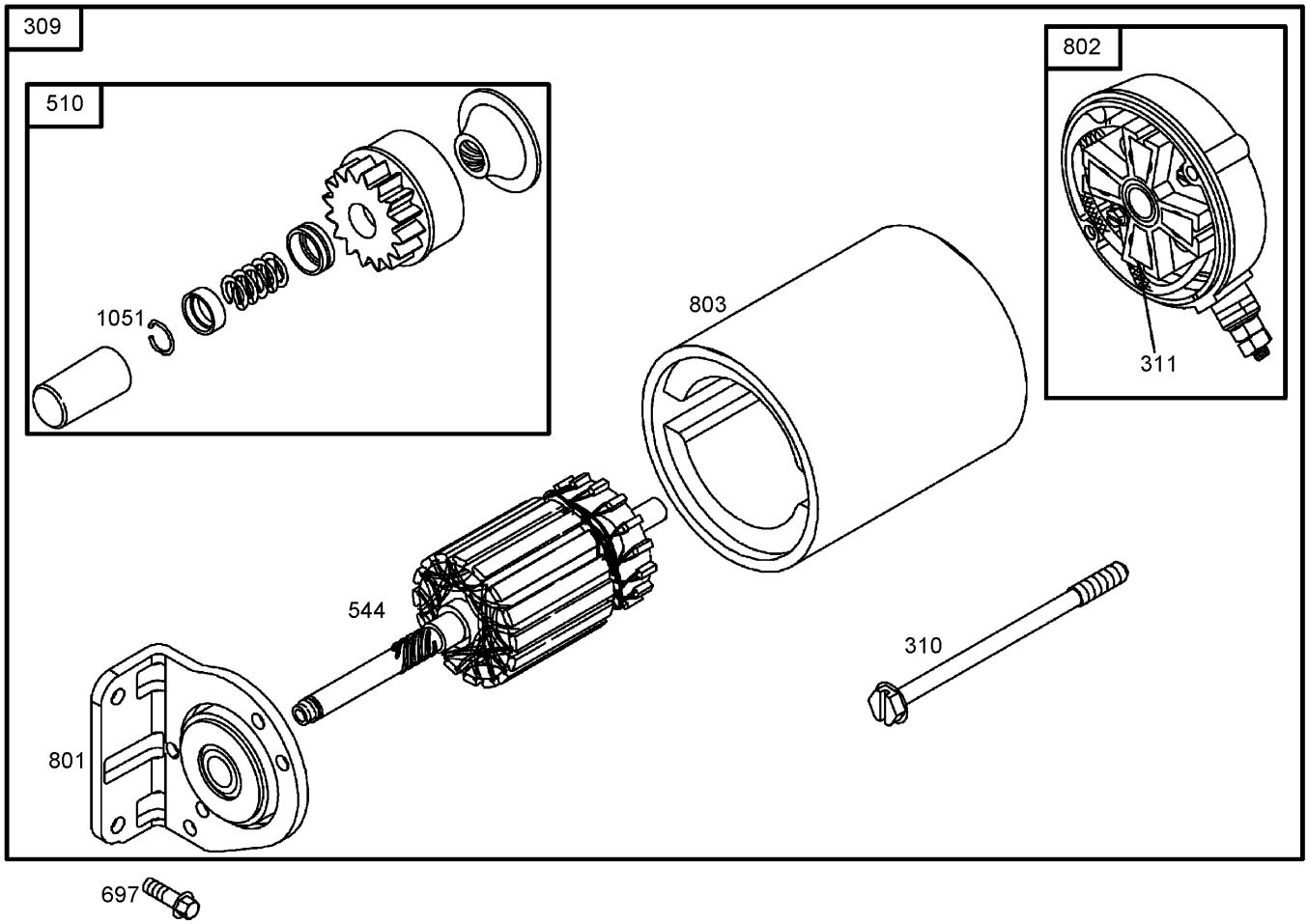
Air Cleaner Assembly
Briggs and Stratton 356447-0200-E1

Ref	Part No.	Qty.	Description
❸11A	806083	1	Tube-Breather
❸161	691561	1	Base-Cleaner, Air
❸❺163	692081	1	Gasket-Cleaner, Air
❸445	394018	1	Filter-Air
❸467	691985	1	Knob-Cleaner, Air
❸601	691038	1	Clamp-Hose
❸643	692079	1	Retainer-Filter, Air
❸711	841233	1	Screw
❸833	841233	1	Screw
❸862	692153	1	Mount-Cleaner
❸967	272490	1	Filter-Air
❸968	699959	1	Cover–Cleaner, Air
❸971	807084	1	Screw
❸996A	691577	1	Shield-Carburetor
❸1004	807121	1	Duct–Air



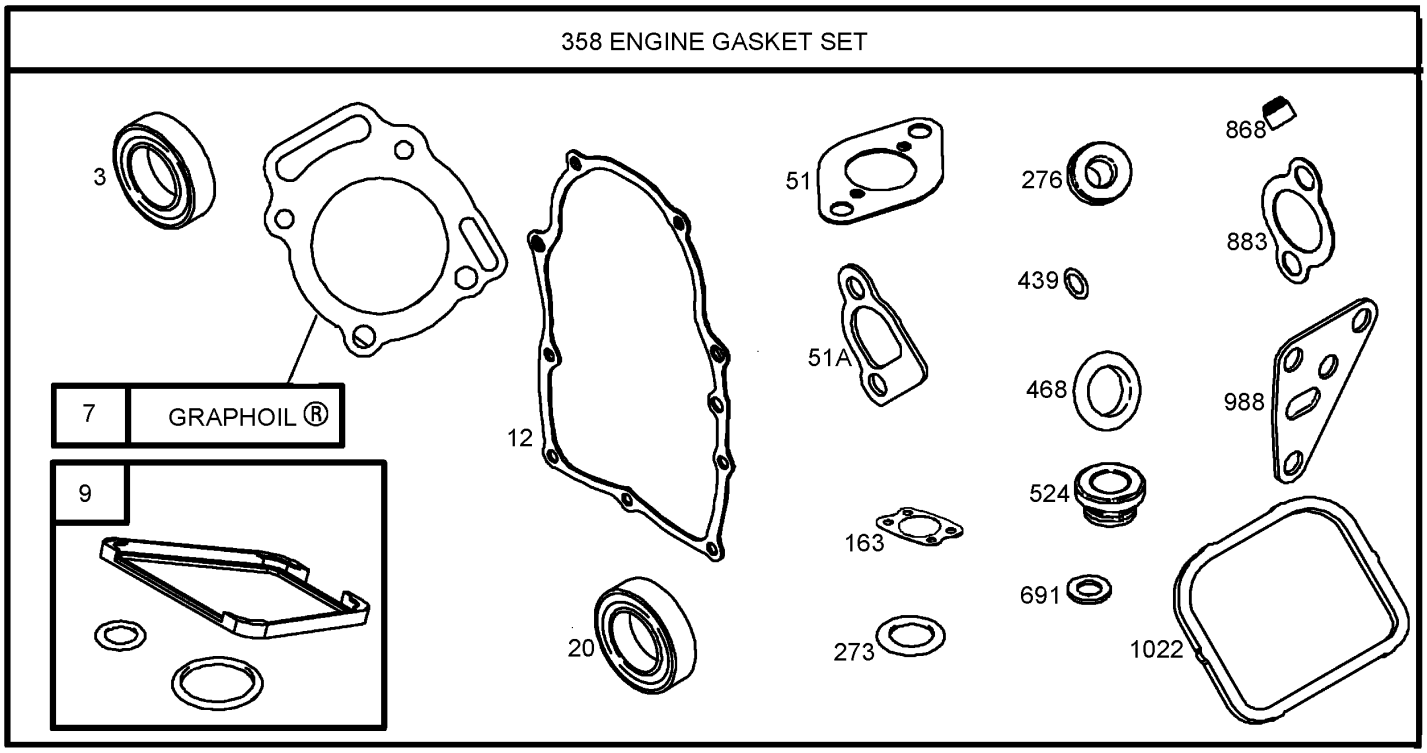
Blower Housing Assembly
Briggs and Stratton 356447-0200-E1

Ref	Part No.	Qty.	Description
❸197	807163	1	Screw (Back Plate)
❸304	841397	1	Housing–Blower
❸305	841233	1	Screw (Blower Housing)
❸305A	692056	1	Screw (Blower Housing)
❸308	841232	1	Cover-Head, Cylinder
❸308A	841182	1	Cover-Head, Cylinder
❸322	841233	1	Screw
❸349	690238	1	Nut
❸447	841233	1	Screw
❸506	807120	1	Screw
❸573	841310	1	Plate–Back
❸727	841313	1	Cover–Drive, Starter
❸732	690688	1	Screw
❸732A	841233	1	Screw
❸833	841233	1	Screw
❸862	692153	1	Mount-Cleaner
❸865	807119	1	Cover-Guide, Air
❸879	807118	1	Cover–Carburetor



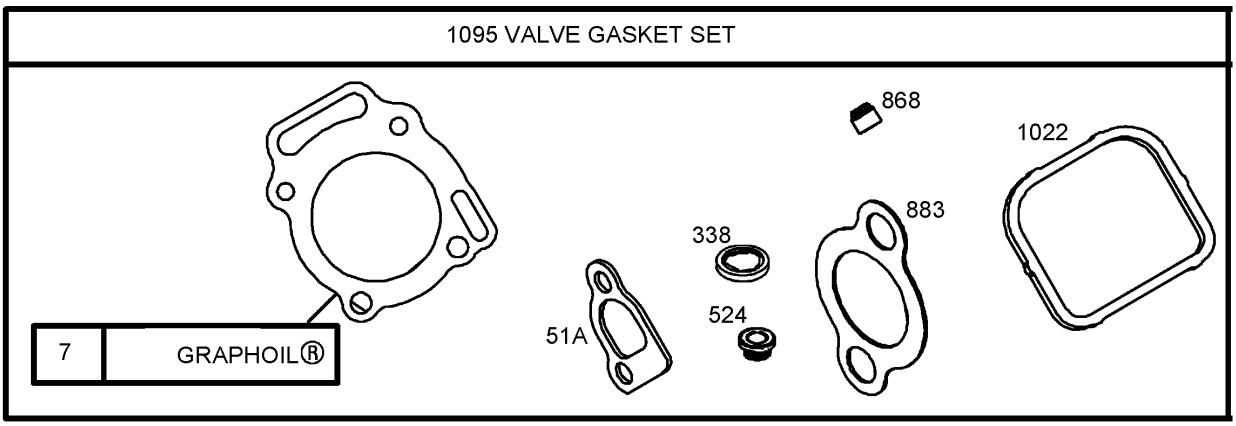
Starter Assembly
Briggs and Stratton 356447-0200-E1

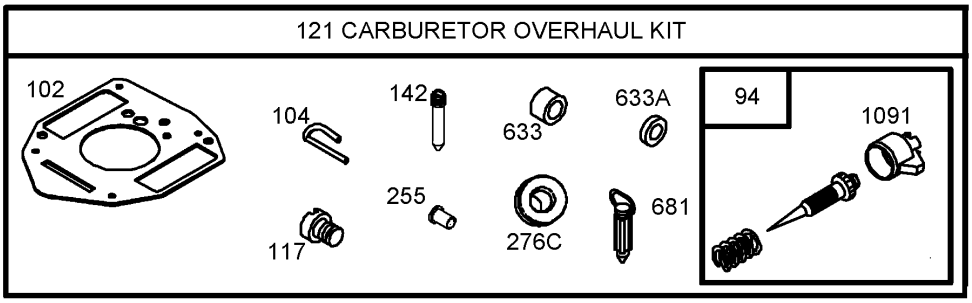
Ref	Part No.	Qty.	Description
❸309	691564	1	Motor-Starter
❸310	496880	1	Bolt-Thru (Starter Motor)
❸311	496887	1	Brush Set
❸510	496881	1	Drive-Starter
❸544	690855	1	Armature-Starter
❸697	692062	1	Screw (Drive Cap)
❸801	808778	1	Cap-Drive
❸802	496813	1	Cap-End
❸803	690854	1	Housing-Starter
❸1051	691124	1	Ring-Lock



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

Ref	Part No.	Qty.	Description
❸3	805101	1	Seal-Oil
❸❻7	690888	1	Gasket-Head, Cylinder
❸9	809094	1	Gasket-Breather
❸12	691684	1	Gasket-Crankcase
❸20	805049	1	Seal-Oil
❸51	691694	1	Gasket-Intake
❸❻51A	692035	1	Gasket-Intake
❸163	692081	1	Gasket-Cleaner, Air
❸273	690681	1	Seal-O Ring
❸❻276	690724	1	Seal-O Ring
❸358	841188	1	Engine Gasket Set
❸439	692154	1	Seal-O Ring
❸468	690690	1	Seal-O Ring
❸❻524	693172	1	Seal-Tube, Dipstick
❸691	690680	1	Seal-Shaft, Governor
❸❻868	691963	1	Seal-Valve
❸❻883	691613	1	Gasket-Exhaust
❸988	692063	1	Gasket-Adapter, Oil Filter
❸❻1022	806039	1	Gasket-Cover, Rocker





1095 Valve Gasket Set and 121 Carburetor Overhaul Kit
Briggs and Stratton 356447-0200-E1

Ref	Part No.	Qty.	Description
❸❺7	690888	1	Gasket-Head, Cylinder
❸❺51A	692035	1	Gasket-Intake
❸94	808257	1	Idle Mixture Kit
❸102	692077	1	Gasket-Body, Carburetor
❸104	690723	1	Pin-Hinge, Float
❸117	690862	1	Jet–Main
❸121	809021	1	Kit–Carburetor Overhaul
❸142	690725	1	Nozzle-Carburetor
❸255	690721	1	Bushing-Shaft, Choke
❸276C	690724	1	Seal-O Ring
❸❺338	691312	1	Gasket-Dipstick
❸❺524	693172	1	Seal-Tube, Dipstick
❸633	806131	1	Seal-Shaft, Choke / Throttle
❸633A	690722	1	Seal-Shaft, Choke / Throttle
❸681	808798	1	Valve-Needle, Float
❸❺868	691963	1	Seal-Valve
❸❺883	691613	1	Gasket-Exhaust
❸❺1022	806039	1	Gasket-Cover, Rocker
❸1091	691516	1	Cap-Limiter
❸1095	841191	1	Gasket Set–Valve

Attachments and Accessories

For 04356 - Greensmaster 3100 2 Wheel Drive

Product Name	Model/Part
Variable Traction Control Kit	04422
Dethatching Reel ASM	04493
Spiker Kit	04494
Tri-Roller Kit	04495
8-Blade DPA Reel Mower	04610
11-Blade DPA Reel Mower	04611
Light Kit	105-3848
Gear Pump Kit	107-2577
Tire-Traction	231-124
Basket Reinforcement Kit	26-0900
Reel Shutoff Kit	28-2150
Arm Rest Kit	30707
Backlapping Kit	92-9656

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