



Greensmaster® 3150

Traction Unit

Model No. 04357—230000001 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.

Contents

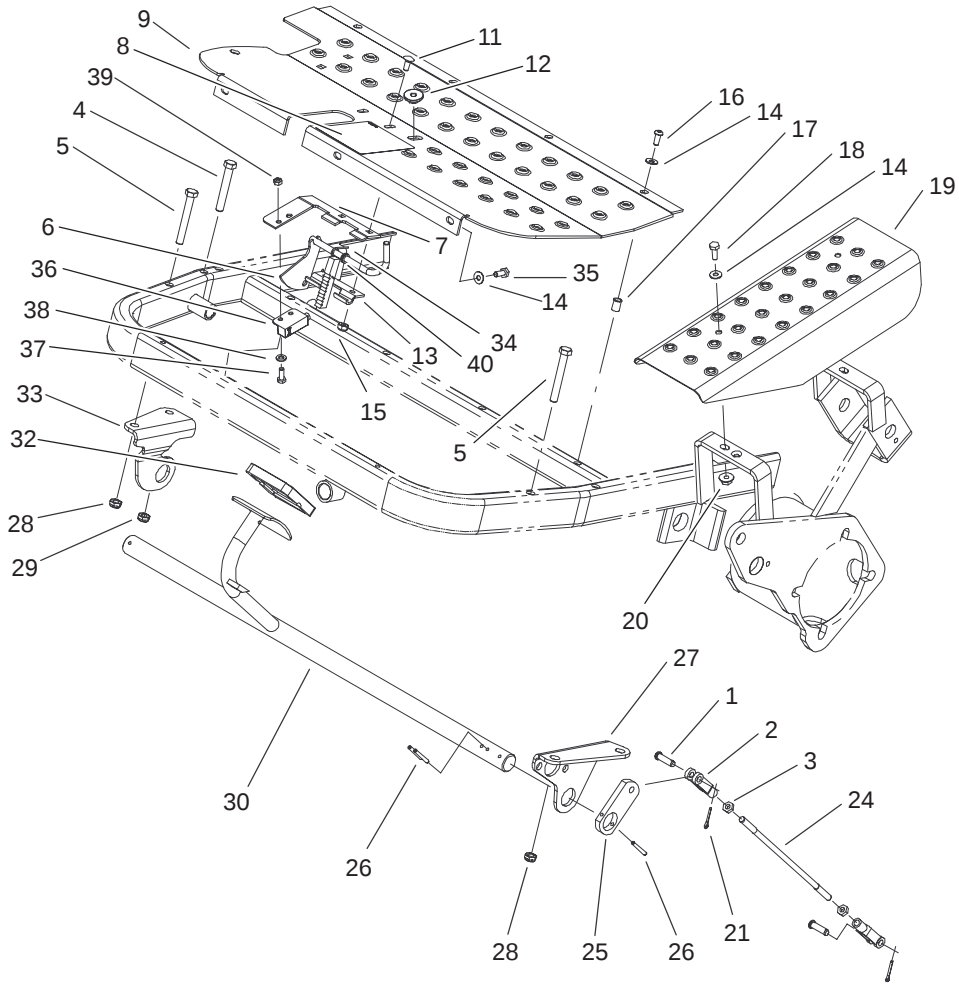
Description	Page	Description	Page
Brake Pedal Assembly	4	Wire Harness Routing Assembly	40
Traction Pedal Assembly	5	Hydraulic Schematic	41
Front Wheel and Brake Assembly	6	Electrical Schematic	42
Brake Assembly No. 104-7705	7	Cylinder Assembly	
Hydraulic Wheel Motor Assembly No. 92-9199	8	Briggs and Stratton Model 350447-1331-E1	43
Steering Arm Assembly	9	Crankshaft Assembly	
Steering Control Valve Assembly No. 105-0424	10	Briggs and Stratton Model 350447-1331-E1	44
Right Hand Pull Frame Assembly	11	Cylinder Head Assembly	
Hydraulic Cylinder Assembly No. 105-3822 ...	12	Briggs and Stratton Model 350447-1331-E1	45
Left Hand Pull Frame Assembly	13	Cylinder Head Assembly	
Center Pull Frame Assembly	15	Briggs and Stratton Model 350447-1331-E1	46
Hydraulic Cylinder Assembly No. 105-3823 ...	17	Intake Manifold and Rocker Cover Assembly	
Seat Assembly	18	Briggs and Stratton Model 350447-1331-E1	47
Neutral System Assembly	19	Carburetor Assembly	
Engine Installation Assembly	20	Briggs and Stratton Model 350447-1331-E1	48
Hydrostat and Gear Pump Drive Assembly ...	21	Governor Assembly	
Hydrostat Assembly No. 105-0494	22	Briggs and Stratton Model 350447-1331-E1	49
Gear Pump Assembly No. 104-7737	23	Alternator Assembly	
Frame and Battery Assembly	24	Briggs and Stratton Model 350447-1331-E1	50
Rear Wheel Assembly	25	Fuel Pump, Oil Pump and Dipstick Assembly	
Steering Cylinder Assembly No. 105-0411	26	Briggs and Stratton Model 350447-1331-E1	51
Control Panel Assembly	27	Air Cleaner Assembly	
Hydraulic Reservoir and		Briggs and Stratton Model 350447-1331-E1	52
Leak Detector Assembly	28	Blower Housing Assembly	
Fuel Tank Assembly	29	Briggs and Stratton Model 350447-1331-E1	53
Speed Selector Lever Assembly	30	Flywheel Assembly	
Joystick and Console Assembly	31	Briggs and Stratton Model 350447-1331-E1	54
Joystick Bracket Assembly	32	Starter Assembly	
Hydraulic Manifold Assembly	33	Briggs and Stratton Model 350447-1331-E1	55
Basic Mow/Lift Manifold Assembly No. 93-2240	34	Starter Assembly	
Hydraulic Traction Assembly	35	Briggs and Stratton Model 350447-1331-E1	56
Hydraulic Reel Drive Assembly	36	Gasket Assembly	
Reel Motor Assembly No. 100-6426	37	Briggs and Stratton Model 350447-1331-E1	57
Hydraulic Lift Assembly	38	Carburetor Overhaul Kit Assembly	
Hydraulic Steering Assembly	39	Briggs and Stratton Model 350447-1331-E1	58

Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

Abbreviation	Meaning
AR	as required
ASM	assembly
CARR	carriage
DEG	degrees
FH	flat head
GA	gauge
HF	hex flange
HH	hex head
HHF	hex head flange
HLH	hex lag head
HJ	hex jam
HOC	height-of-cut
HS	hex socket
HSBH	hex socket button head
HSFH	hex socket flat head
HSH	hex socket head
HWH	hex washer head
HWHTF	hex washer head thread forming

Abbreviation	Meaning
HYD	hydraulic
INC	incorporated
LH	left hand
NI	nylon insert
PPH	Phillips pan head
PTH	Phillips truss head
PTO	power take off
RH	right hand
SFH	slotted fillister head
SHH	slotted hex head
SQH	square head
SHWH	slotted hex washer head
SPH	slotted pan head
SRH	slotted round head
STD	standard
TAP	self tapping
TTH	Torx truss head
WH	wing head

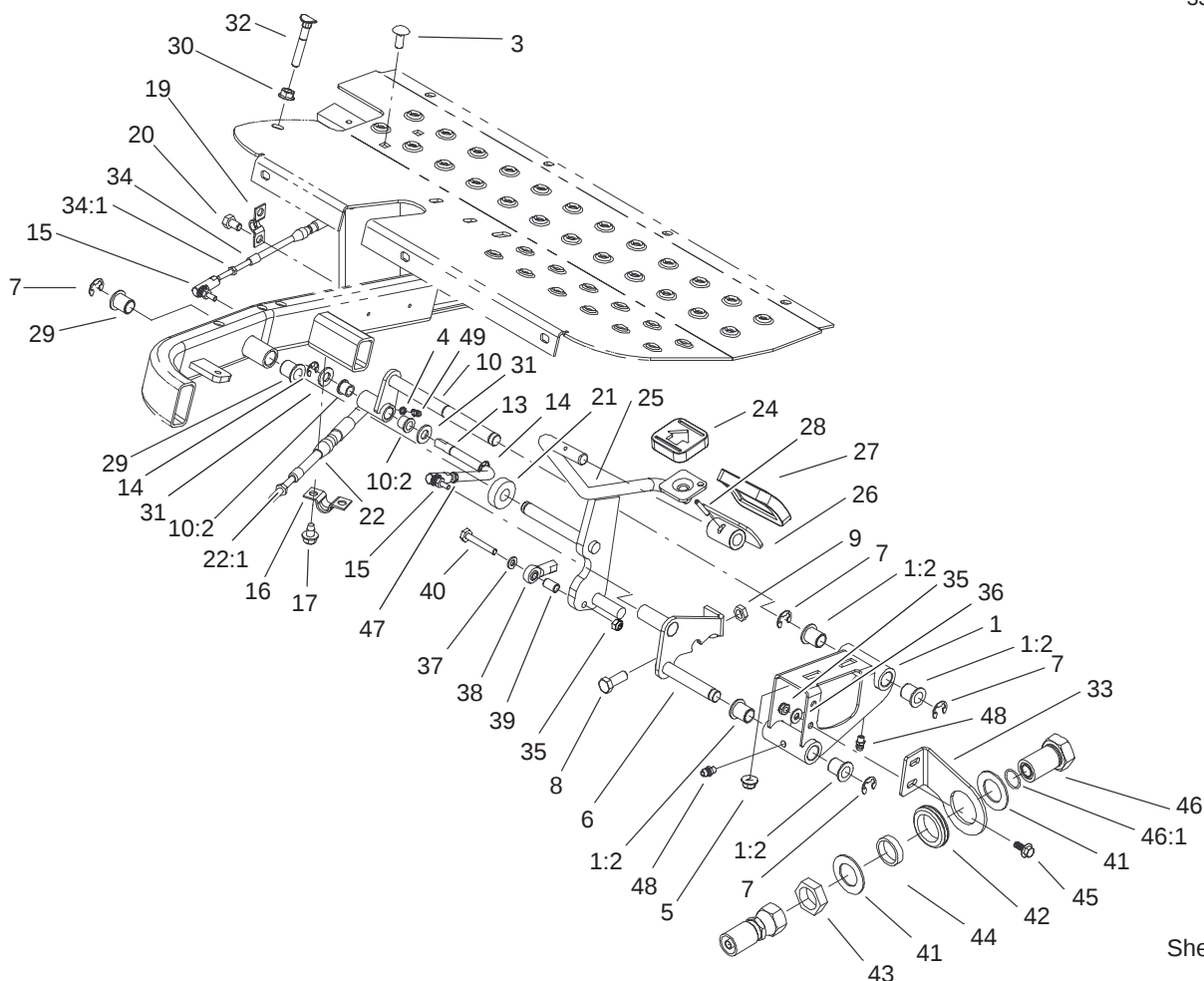


Sheet No.: 2

Brake Pedal Assembly

Ref. No.	Part No.	Qty.	Description
1	283-61	4	Pin-Yoke
2	282-2	4	Yoke
3	3220-2	4	Nut
4	323-12	1	Screw-HH
5	323-13	3	Screw-HH
6	100-9819	1	Latch ASM
7	100-9821	1	Plate-Switch, Reed
8	93-8062	1	Decal-Brake, Parking
9	105-0463-01	1	Plate-Footerest
11	3229-11	2	Screw-CARR
12	32141-111	1	Nut-Adjusting
13	95-1629	1	Hinge-Lower
14	3256-1	9	Washer-Flat
15	3296-16	2	Nut-Lock, NI
16	3274-31	4	Screw-HSBH
17	32148-6	7	Insert-Nut
18	321-4	2	Screw-HH
19	83-0200-01	1	Plate-Cover, LH
20	32128-33	2	Nut-HF
21	3272-6	4	Pin-Cotter
24	27-2270	2	Rod-Adjustment, Brake
25	10-8100-01	2	Strap-Shaft, Brake
26	32121-35	4	Pin-Roll
27	88-9640-01	1	Bracket-Lift Pivot, LH
28	104-8301	3	Nut-Flange, NI

Ref. No.	Part No.	Qty.	Description
29	3296-59	1	Nut-Lock, NI
30	83-0160	1	Shaft-Brake
32	93-7629	1	Pad-Foot, Brake
33	105-0440-01	1	Bracket-Brake, RH
34	10-8140	1	Spring-Latch, Brake
35	321-3	3	Screw-HH
36	104-2057	1	Sensor
37	48-7620	2	Screw-HH
38	33093-00	2	Washer-Flat
39	49-7810	2	Nut-Lock
40	75-5470	2	Spacer-Bearing

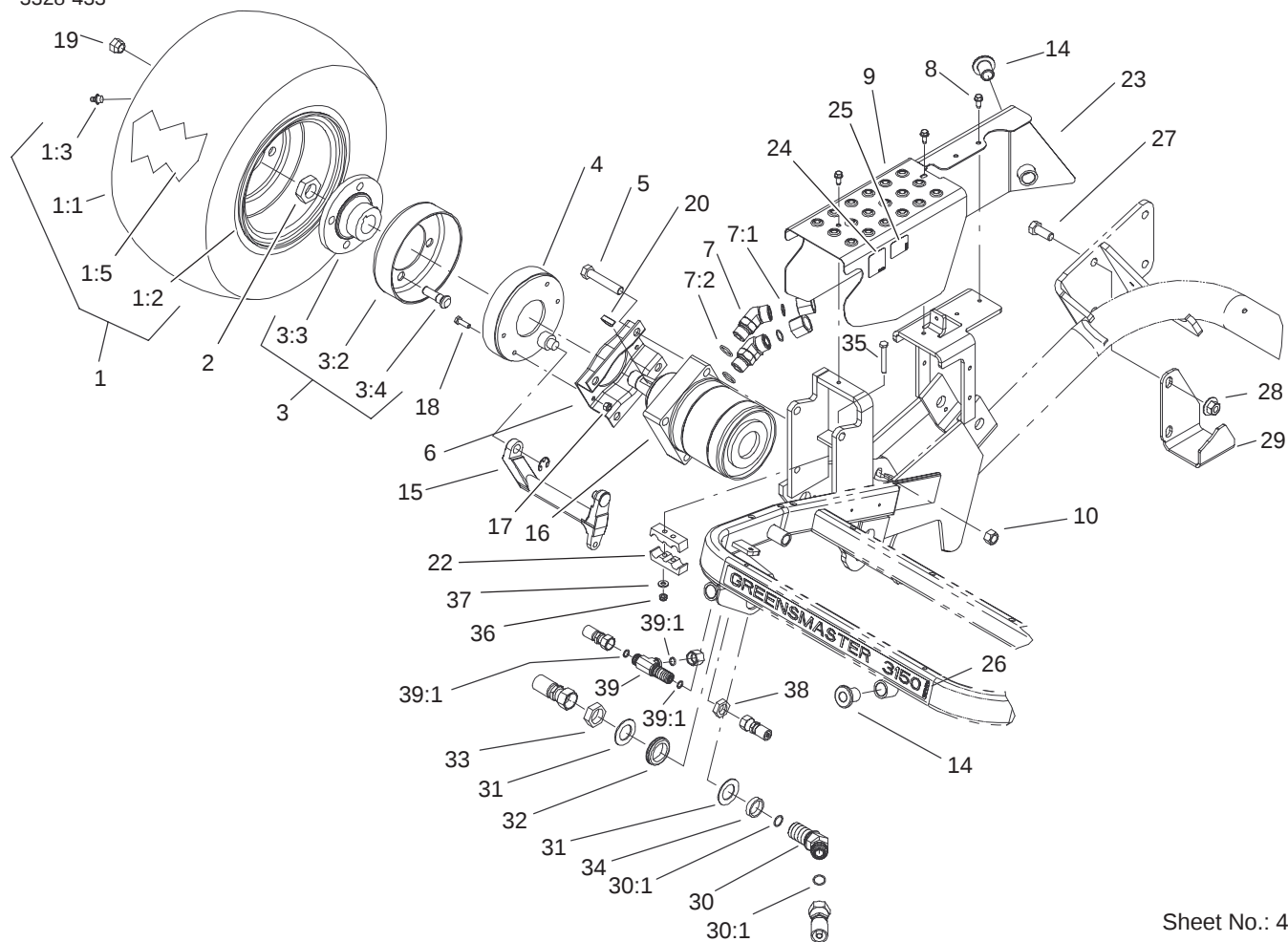


Sheet No.: 3

Traction Pedal Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	106-4620	1	Pivot Mount ASM	27	74-9100	1	Pad-Pedal, Forward
1:2	256-155	4	Bushing-Flange	28	32121-45	1	Pin-Spring
3	3230-1	2	Bolt-CARR	29	256-155	2	Bushing-Flange
4	3254-8	1	Washer-Lock	30	32128-20	1	Nut-HF
5	104-8300	2	Nut-Flange, NI	31	3256-24	2	Washer-Flat
6	105-5425	1	Lock-ASM	32	17-9426	1	Screw-Handle
7	32120-47	4	Ring-Retaining, External	33	105-8290-01	1	Bracket-Bulkhead, Front
8	323-6	1	Screw-HH	34	105-5444	1	Cable-Lock, Neutral
9	3217-7	1	Nut-Hex	34:1	3219-14	2	Nut-Hex
10	106-4621	1	Support ASM	35	3296-56	3	Nut-Lock, NI
10:2	256-116	2	Bushing-Flange	36	3256-22	2	Washer-Flat
13	105-5430	1	Rod-Connecting	37	105-8318	1	Washer-Flat
14	32120-18	2	E-Ring	38	2411-41	1	Joint-Ball
15	2411-38	2	Joint-Ball	39	80-0650	1	Spacer-Tubular
16	93-2092	1	Clamp-Cable	40	321-10	1	Screw-HH
17	9266934	2	Screw	41	69-9010	2	Washer
19	93-2279	1	Clamp-Cable	42	240-3	1	Grommet-Rubber
20	322-1	2	Screw-HH	43	340-74	1	Locknut-Bulkhead
21	105-5429	1	Spacer-Pedal, Traction	44	69-9000	1	Spacer
22	105-5445	1	Cable-Traction	45	99-6810	2	Screw-HH
22:1	3220-1	2	Nut-Jam	46	105-5491	1	Tube-HYD
24	74-9110	1	Pad-Pedal, Reverse	*46:1	237-58	1	O-Ring
25	105-5421-01	1	Traction Pedal ASM	47	3219-14	1	Nut-Hex
26	49-6440-03	1	Pedal-Forward	48	302-5	2	Fitting-Grease
				49	302-60	1	Fitting-Grease

* Not illustrated



Sheet No.: 4

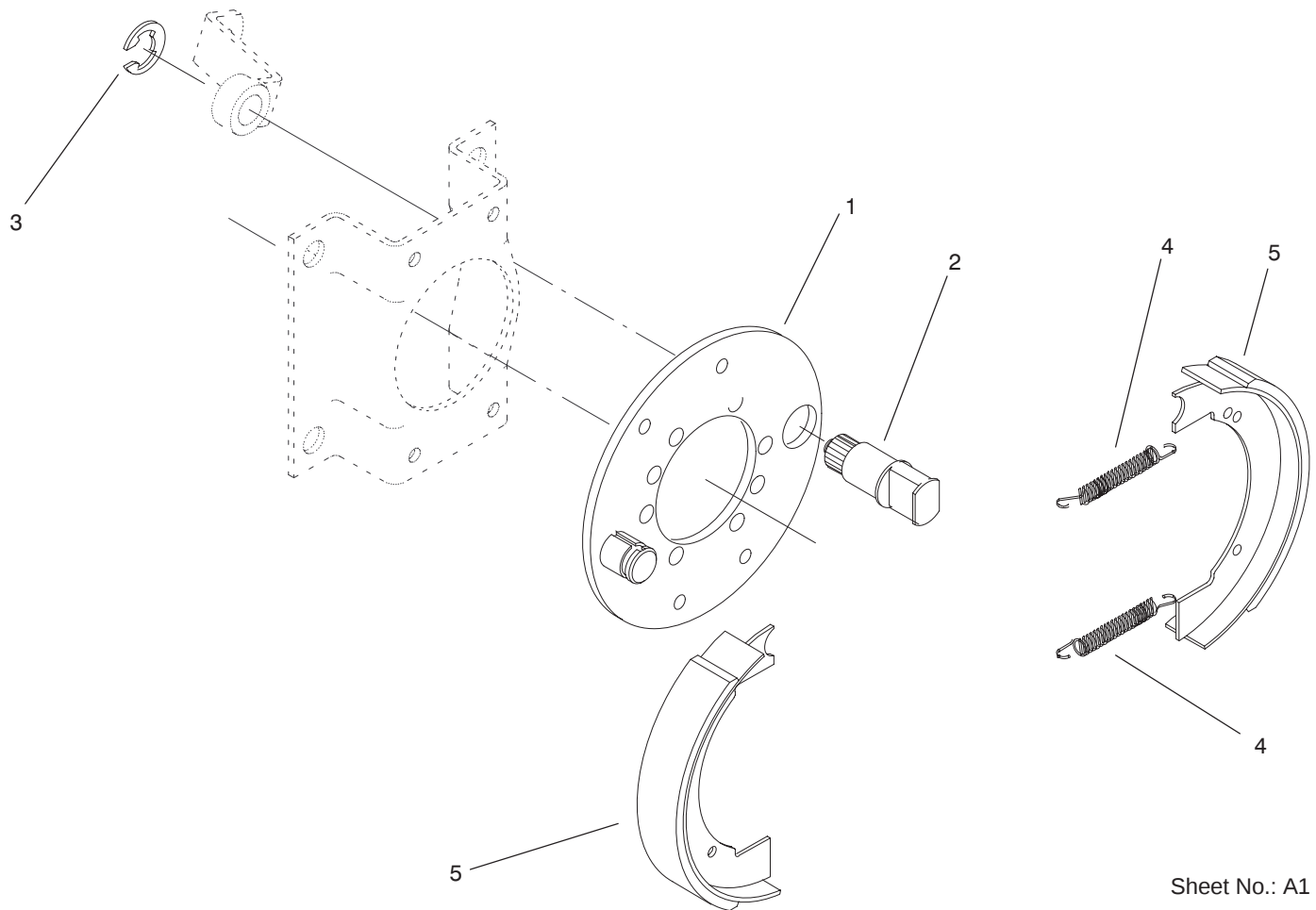
Front Wheel and Brake Assembly

Ref. No.	Part No.	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-V 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
5	325-11	8	Screw-HH
6	84-2000-03	2	Bracket-Brake
7	340-14	4	Fitting-HYD, 45°
7:1	237-65	1	O-Ring
7:2	237-80	1	O-Ring
8	32144-10	4	Screw-HWH
9	105-0433-01	1	Channel-Step, RH
10	3296-23	8	Nut-Lock, NI
14	83-1700	3	Bushing-Flange
15	93-2096	2	Lever-Brake
16	92-9199	2	Motor-Wheel, HYD
17	3296-42	8	Nut-Lock, NI
18	321-5	8	Screw-HH
19	242-50	8	Nut-Lug
20	3257-42	2	Key-Woodruff

Ref. No.	Part No.	Qty.	Description
*21	3290-378	3	Tie-Cable
22	93-2509	2	Clamp-Tube
23	105-8282-01	1	Side Shield ASM
24	105-4674	1	Decal-Noise, Ce
25	93-7252	1	Decal-International
26	105-5470	1	Decal-Greensmaster 3150
27	325-5	2	Screw-HH
28	32128-52	2	Locknut-Flange
29	105-8263-01	1	Bracket-Rops
30	340-73	1	Fitting-45, Bulkhead Union
30:1	237-65	2	O-Ring
31	69-9010	2	Washer
32	240-3	1	Grommet-Rubber
33	340-74	1	Locknut-Bulkhead
34	69-9000	1	Spacer
35	321-11	2	Screw-HH
36	3296-56	2	Nut-Lock, NI
37	3256-22	2	Washer-Flat
38	340-70	1	Nut-Lock
39	340-68	1	Fitting-Tee, Bulkhead
39:1	237-22	3	O-Ring

☆ Not serviced separately

* Not illustrated

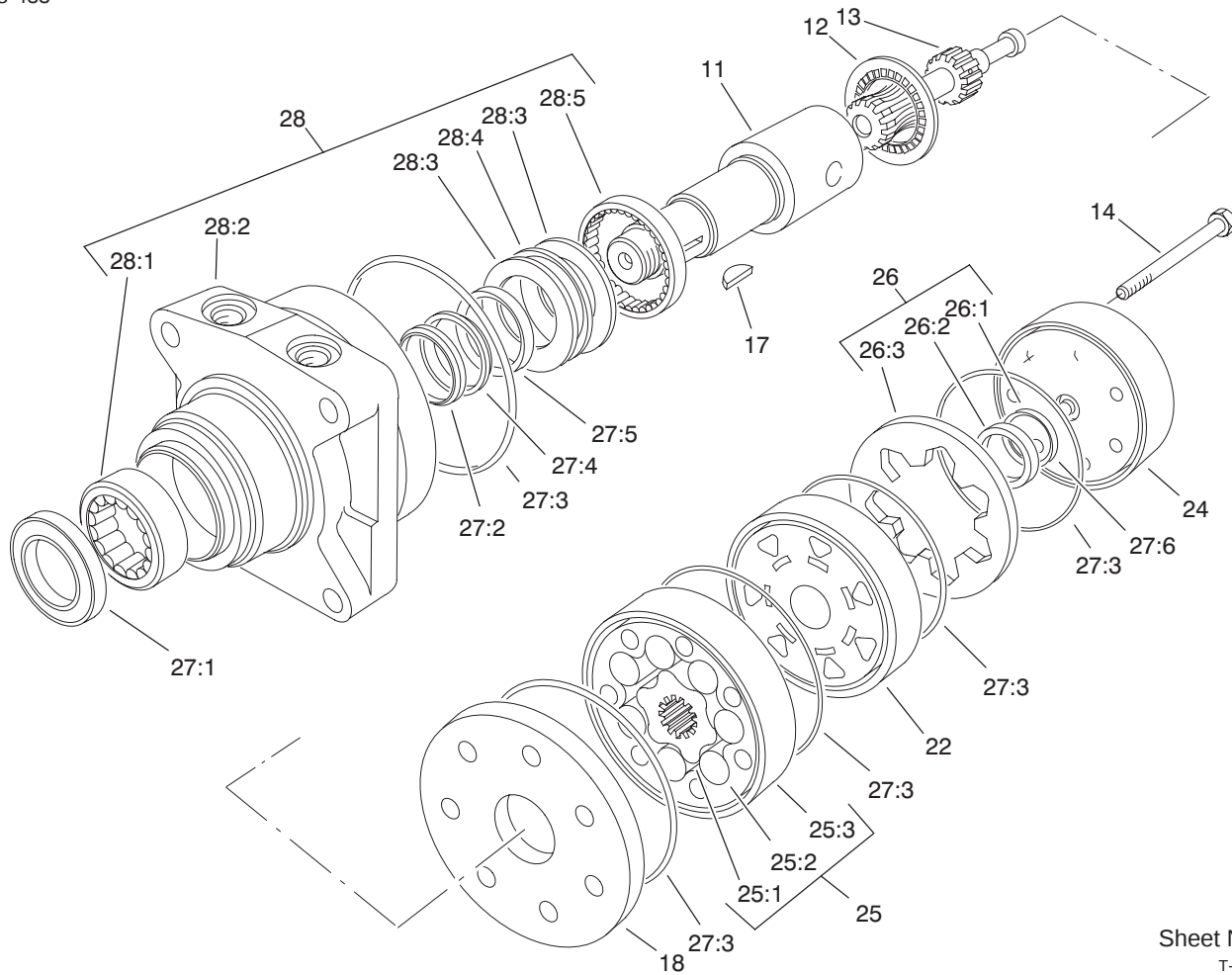


Sheet No.: A1

Brake Assembly No. 104-7705

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

Ref. No.	Part No.	Qty.	Description



Sheet No.: A2

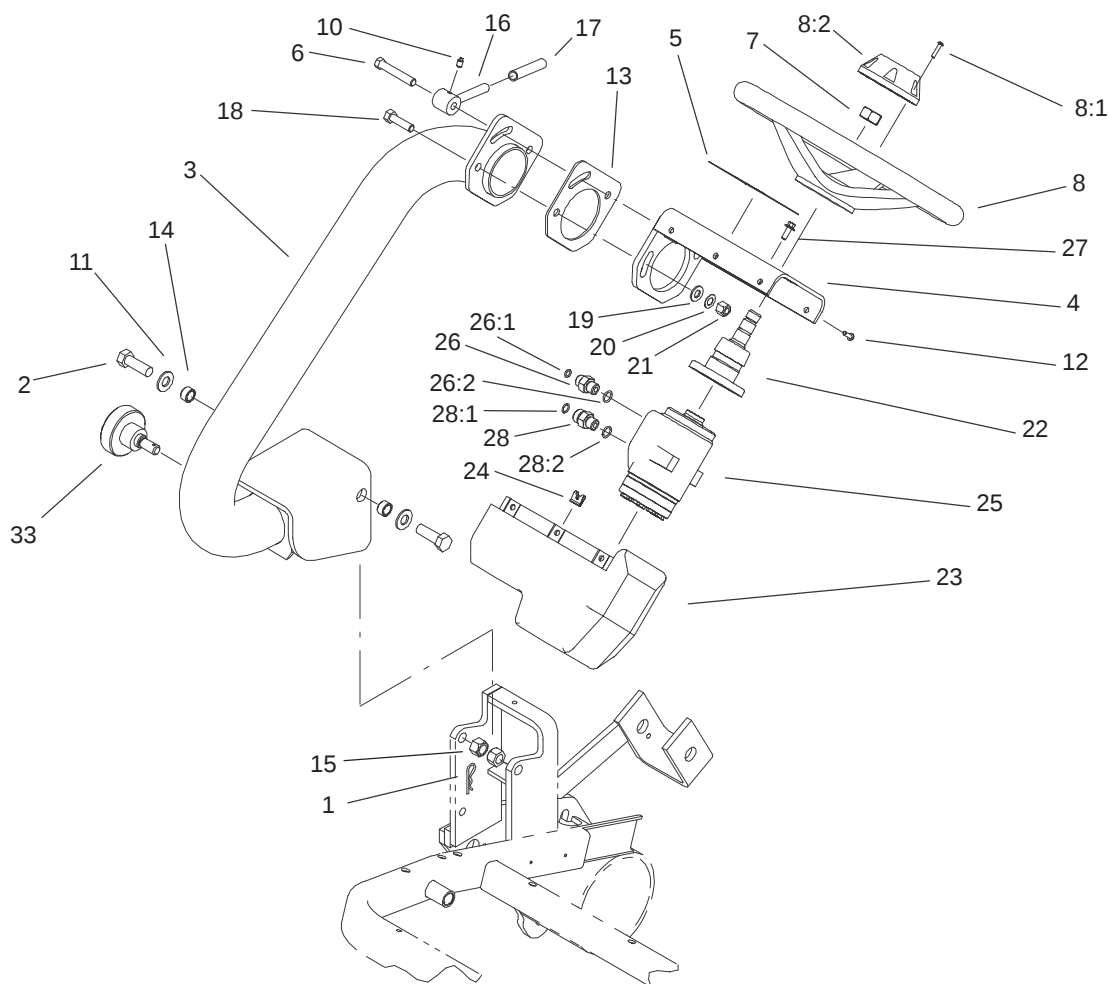
T-3356

Hydraulic Wheel Motor Assembly No. 92-9199

Ref. No.	Part No.	Qty.	Description
11	76-0860	1	Shaft-Coupling
12	76-0850	1	Bearing-Thrust
13	92-9761	1	Link-Drive
14	92-9762	7	Screw-HH
17	3257-42	1	Key-Woodruff
18	76-0870	1	Plate-Wear
22	76-0840	1	Manifold
24	76-0940	1	End Cover ASM
25	92-9763	1	Rotor Set
☆25:1		1	Rotor
☆25:2		1	Vane
☆25:3		1	Stator
26	76-0880	1	Commutator ASM
☆26:1		1	Seal-Commutator
☆26:2		1	Commutator
☆26:3		1	Ring-Commutator
27	94-8178	1	Seal Kit
☆27:1		1	Seal-Dirt And Water
☆27:2		1	Washer-Backup
☆27:3		5	Seal-Ring
☆27:4		1	Washer-Backup
☆27:5		1	Seal-Inner
☆27:6		1	Seal-Commutator
28	76-0810	1	Housing ASM
☆28:1		1	Bearing
☆28:2		1	Housing

Ref. No.	Part No.	Qty.	Description
☆28:3		2	Washer-Thrust
☆28:4		1	Bearing-Thrust
☆28:5		1	Bearing

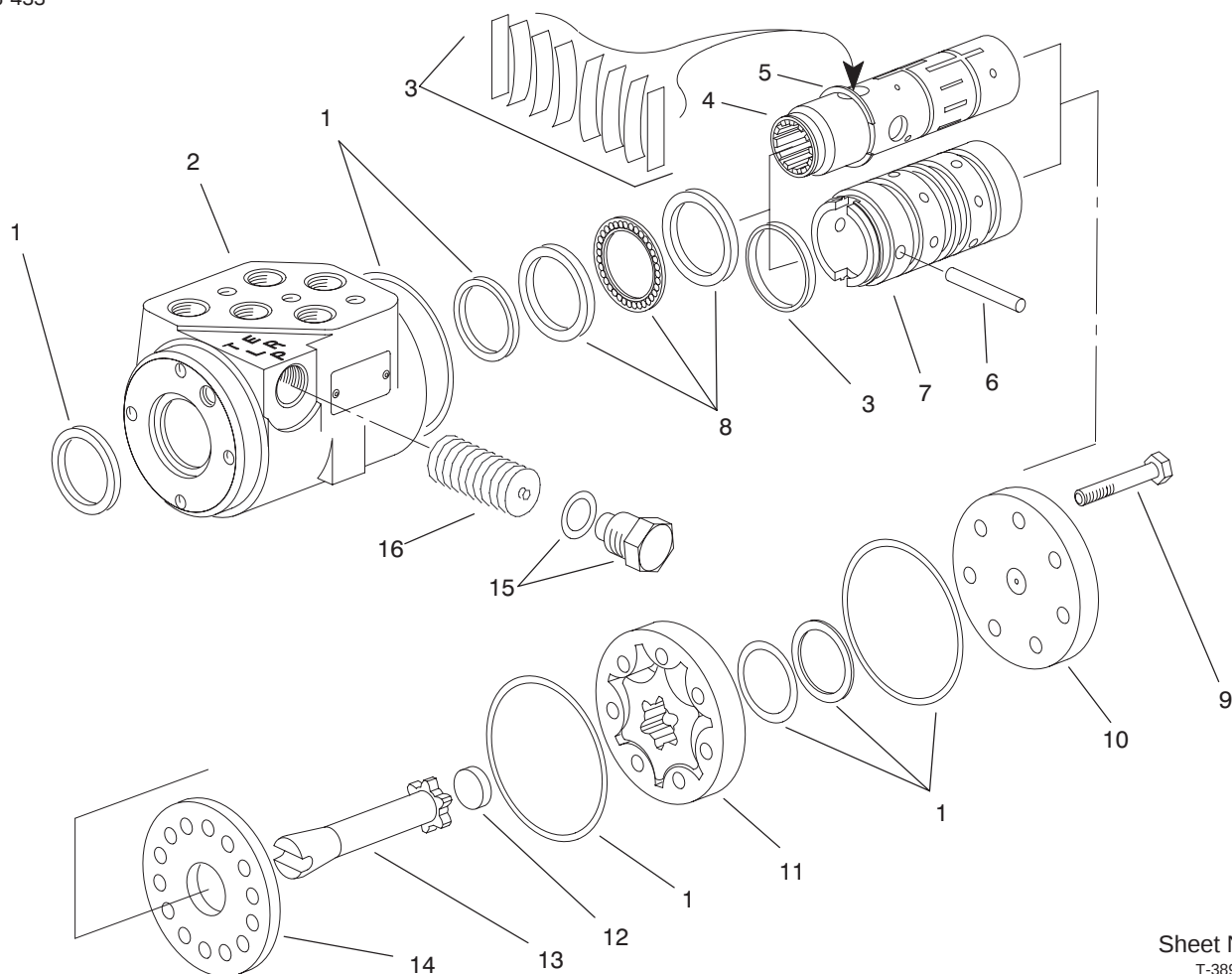
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Sheet No.: 5

Steering Arm Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	3290-467	1	Pin-Hair	24	3290-277	6	Nut-Speed
2	325-6	2	Screw-HH	25	105-0424	1	Valve-Control, Steering
3	105-0418-01	1	Steering Arm ASM	26	340-1	3	Adapter
4	105-4316-03	1	Steering Mount ASM	26:1	237-35	1	O-Ring
5	93-8063	1	Decal-Warning (Europe)	26:2	237-42	1	O-Ring
5	104-2053	1	Decal-Warning	27	33103-016	4	Screw-HHF
6	105-4326	1	Screw-HH, LH	28	340-2	2	Fitting-Straight, HYD
7	94-9952	1	Nut-Hex	28:1	237-22	1	O-Ring
8	75-0560	1	Wheel-Steering	28:2	237-42	1	O-Ring
8:1	32144-21	1	Screw	33	105-0484	1	Knob-Steering
8:2	68-5140	1	Cap-Wheel, Steering				
10	3241-1	1	Screw-Set, SQH				
11	3256-26	2	Washer-Flat				
12	3274-39	6	Screw-HSBH				
13	105-0457	1	Plate-Friction				
14	47-2890	2	Bushing				
15	3296-23	2	Nut-Lock, NI				
16	105-4313	1	Lever ASM				
17	92-6798	1	Cap-Rod, Tilt				
18	323-29	2	Screw-HH				
19	3256-24	2	Washer-Flat				
20	3290-477	2	Washer-Curved				
21	3296-39	2	Nut-Lock, NI				
22	105-0425	1	Steering Column ASM				
23	83-0810	1	Cover-Steering				



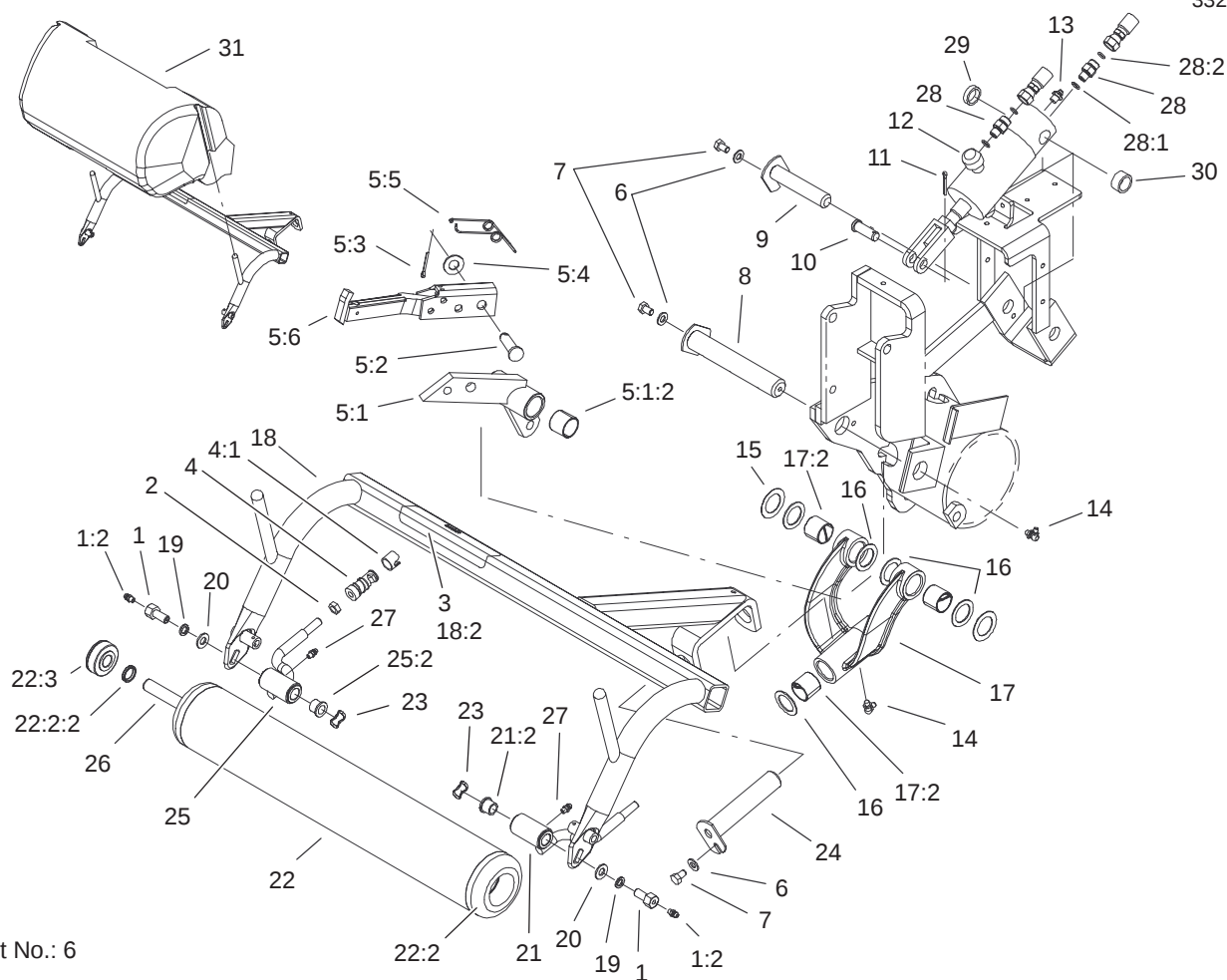
Sheet No.: A3
T-3891

Steering Control Valve Assembly No. 105-0424

Ref. No.	Part No.	Qty.	Description
1	94-4099	1	Seal Kit
☆2		1	Housing
3	94-4095	1	Centering Spring Kit
☆4		1	Spool
5	94-4098	1	Ring-Retaining
6	94-4094	1	Pin
☆7		1	Sleeve
8	92-3839	1	Bearing Kit
9	105-2938	7	Screw-Cap
10	94-4089	1	Cap-End
11	105-2939	1	Gerotor ASM
12	105-2940	1	Spacer
13	94-4093	1	Drive
14	94-4092	1	Plate-W ear
15	99-5511	1	Plug ASM
16	99-5500	1	Valve-Relief

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately



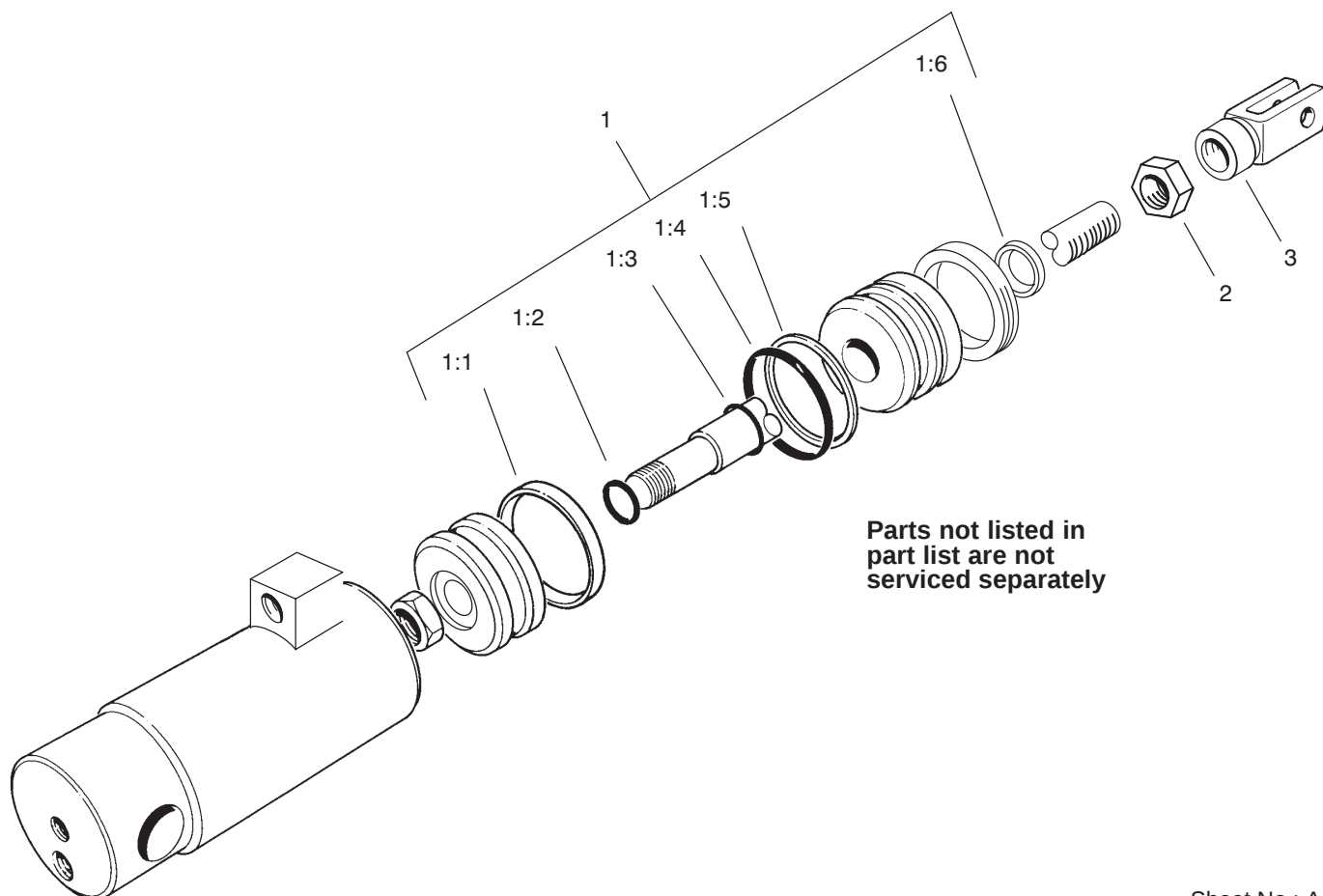
Sheet No.: 6

Right Hand Pull Frame Assembly

Ref. No.	Part No.	Qty.	Description
1	11-0160	2	Roller Shaft Screw ASM
1:2	302-5	1	Fitting-Grease
2	3220-3	2	Nut-Jam
3	93-8064	1	Decal-Danger (Europe)
4	99-1460	2	Ball Joint Receiver ASM
4:1	99-1461	1	Sleeve-Joint, Ball
☆5		1	RH Lift Arm ASM
5:1	62-2440	1	Lift Arm ASM
5:1:2	3-0348	2	Bushing
5:2	63-8750	1	Pin-Pivot
5:3	3272-11	1	Pin-Cotter
5:4	3256-26	1	Washer-Flat
5:5	57-7650	1	Spring-Torsion
5:6	94-5588-01	1	Bar-Lift
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	105-3822	1	HYD Cylinder ASM
13	302-2	1	Fitting-Grease
14	302-60	2	Fitting-Grease

Ref. No.	Part No.	Qty.	Description
15	5-1226	4	Washer
16	10-8110	6	Washer-Thrust
17	10-7820	1	Pivot Hinge ASM
17:2	3-0348	4	Bushing
18	104-2055	1	Right Pull Frame ASM
18:2	62-5070	1	Decal-Warning
19	3253-21	2	Washer-Lock
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
☆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	340-92	2	Fitting-HYD, Straight
28:1	237-78	1	O-Ring
28:2	237-21	1	O-Ring
29	105-3828	1	Spacer
30	74-3730	1	Spacer-Spindle, Rear
31	37-8130	3	Basket-Grass

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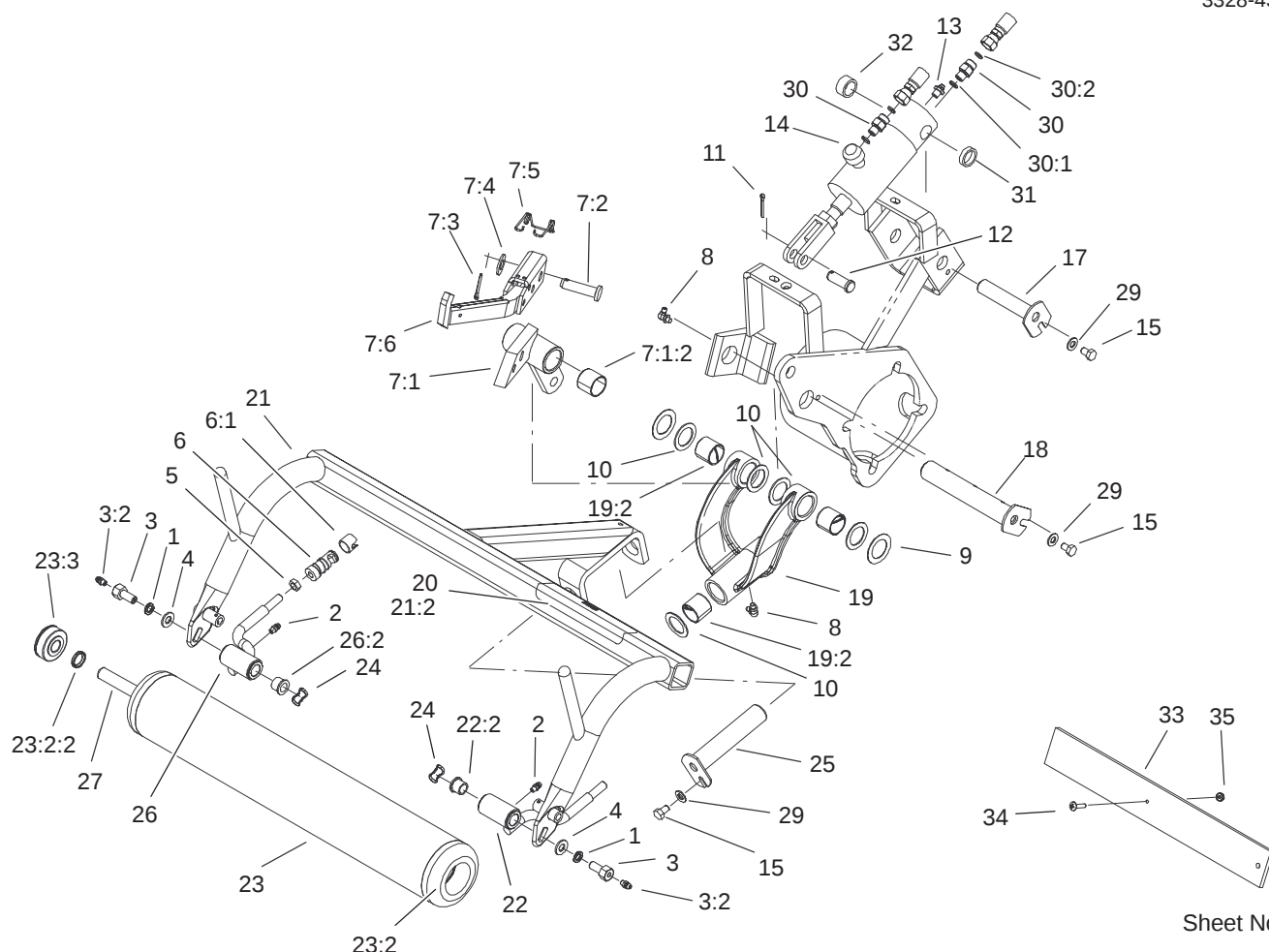
Sheet No.: A4
T-3847

Hydraulic Cylinder Assembly No. 105-3822

Ref. No.	Part No.	Qty.	Description
1	105-3836	1	Seal Kit
☆1:1		1	T-Seal
☆1:2		1	O-Ring
☆1:3		1	Seal-Rod
☆1:4		1	O-Ring
☆1:5		1	Backup
☆1:6		1	Seal-Dust
2	3220-6	1	Nut-Jam
3	76-1850	1	Clevis

Ref. No.	Part No.	Qty.	Description

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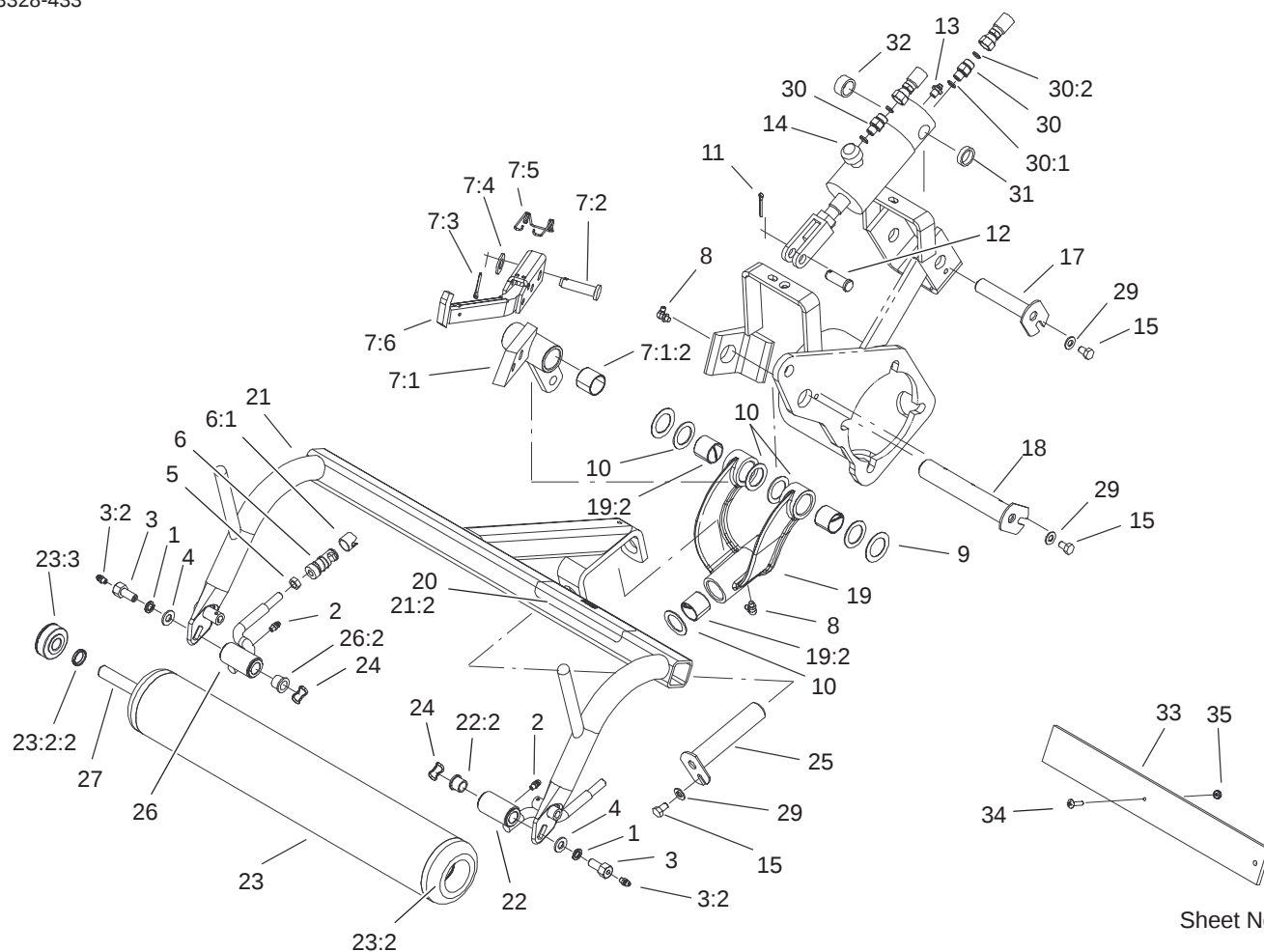


Sheet No.: 7

Left Hand Pull Frame Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	3253-21	2	Washer-Lock	17	10-6060	1	Pin-Pivot, Ram
2	302-5	2	Fitting-Grease	18	10-6110	1	Pin-Hinge
3	11-0160	2	Roller Shaft Screw	19	10-7820	1	Pivot Hinge ASM
			ASM	19:2	3-0348	4	Bushing
3:2	302-5	1	Fitting-Grease	20	93-8064	1	Decal-Danger
4	3256-24	2	Washer-Flat				(Europe)
5	3220-3	2	Nut-Jam	21	104-2054	1	Left Pull Frame ASM
6	99-1460	2	Ball Joint Receiver	21:2	62-5070	1	Decal-Warning
			ASM	22	92-0586	1	Pull Arm ASM
6:1	99-1461	1	Sleeve-Joint, Ball	22:2	3-1506	2	Bushing
☆7		1	LH Lift Arm ASM	23	99-4277	1	Roller ASM
7:1	62-2460	1	Lift Arm ASM	☆23:2		2	Hub Yoke ASM
7:1:2	3-0348	2	Bushing	23:2:2	253-83	1	Seal-Oil
7:2	63-8750	1	Pin-Pivot	23:3	251-141	2	Bearing-Ball
7:3	3272-11	1	Pin-Cotter	24	3290-317	2	Washer-Spring
7:4	3256-26	1	Washer-Flat	25	10-6090	1	Pin-Pivot
7:5	57-7650	1	Spring-Torsion	26	92-0585	1	Pull Arm ASM
7:6	94-5586-01	1	Bar-Lift	26:2	3-1506	2	Bushing
8	302-60	2	Fitting-Grease	27	21-8470	1	Shaft-Roller
9	5-1226	4	Washer	29	3256-23	3	Washer-Flat
10	10-8110	6	Washer-Thrust	30	340-92	2	Fitting-HYD, Straight
11	3272-11	1	Pin-Cotter	30:1	237-78	1	O-Ring
12	283-8	1	Pin-Clevis	30:2	237-21	1	O-Ring
13	302-2	1	Fitting-Grease	31	105-3828	1	Spacer
14	105-3822	1	HYD Cylinder ASM	32	74-3730	1	Spacer-Spindle, Rear
15	322-1	3	Screw-HH	33	65-8320	1	Bar-Gauge

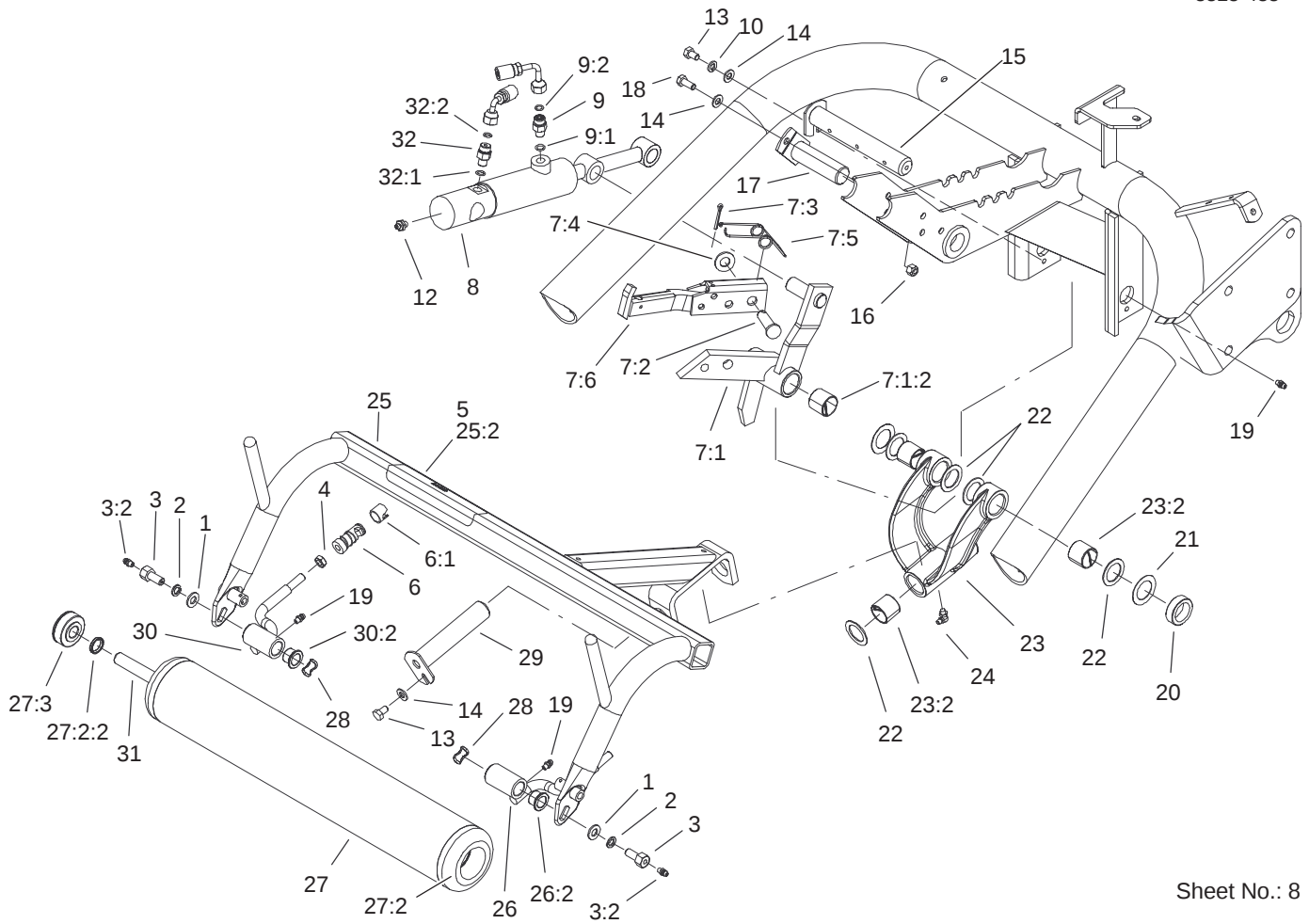
☆ Not serviced separately



Left Hand Pull Frame Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
34	32122-22	1	Screw-HH
35	3219-14	1	Nut-Hex

Ref. No.	Part No.	Qty.	Description

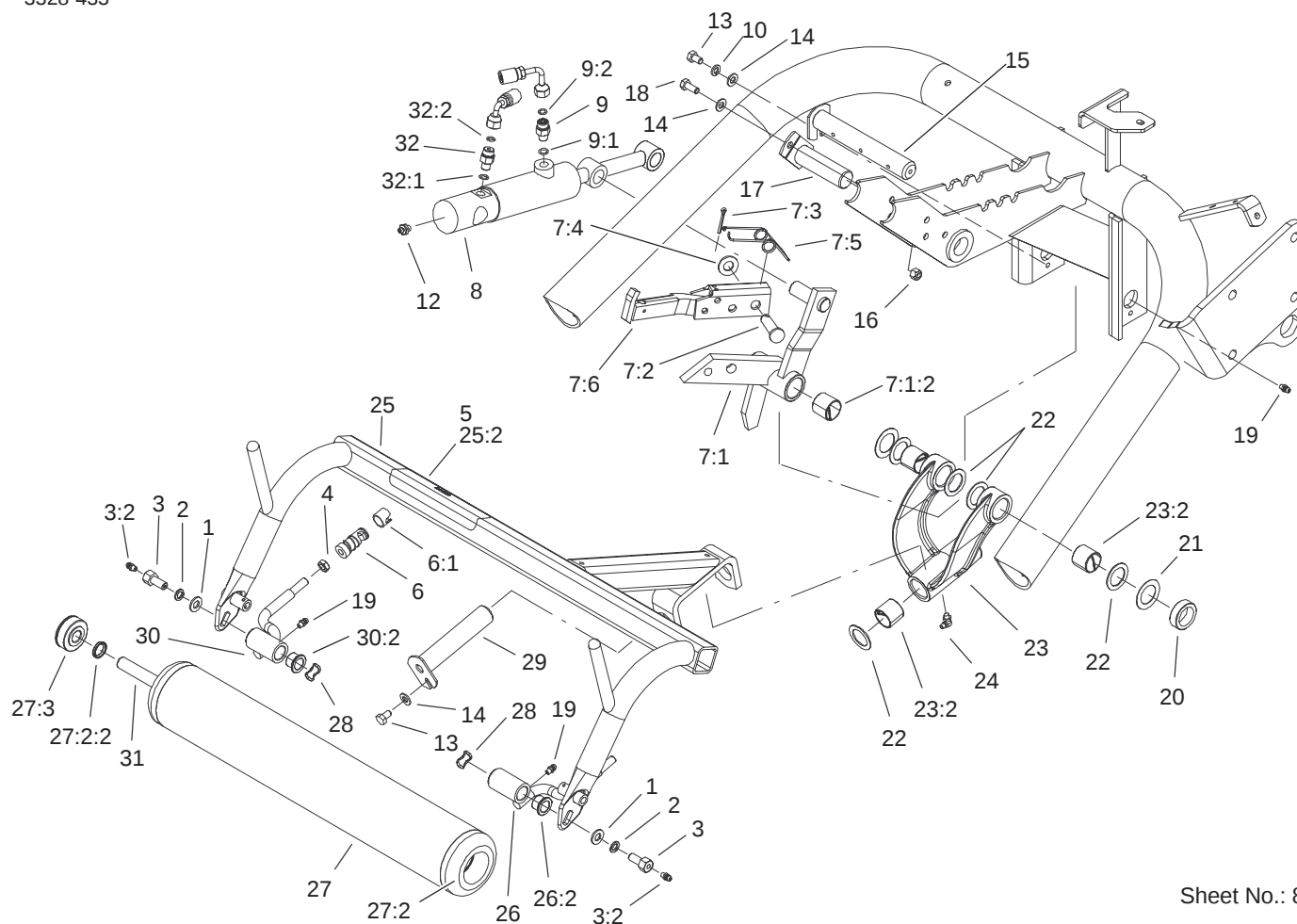


Sheet No.: 8

Center Pull Frame Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	3256-24	2	Washer-Flat	13	322-1	2	Screw-HH
2	3253-21	2	Washer-Lock	14	3256-23	3	Washer-Flat
3	11-0160	2	Roller Shaft Screw	15	27-2550	1	Pin-Hinge
3:2	302-5	1	Fitting-Grease	16	3296-29	1	Nut-Lock, NI
4	3220-3	2	Nut-Jam	17	68-5560	1	Pin-Cylinder, Pivot
5	93-8064	1	Decal-Danger (Europe)	18	322-3	1	Screw-HH
6	99-1460	2	Ball Joint Receiver ASM	19	302-5	3	Fitting-Grease
6:1	99-1461	1	Sleeve-Joint, Ball	20	93-2384	1	Spacer-Carrier
☆7	68-5380	1	Center Lift Arm ASM	21	5-1226	4	Washer
7:1	68-5380	1	Center Lift Arm ASM	22	10-81 10	6	Washer-Thrust
7:1:2	3-0348	2	Bushing	23	105-0452	1	Pivot Hinge ASM
7:2	63-8750	1	Pin-Pivot	23:2	3-0348	4	Bushing
7:3	3272-11	1	Pin-Cotter	24	302-60	1	Fitting-Grease
7:4	3256-26	1	Washer-Flat	25	105-0451	1	Rear Pull Frame ASM
7:5	57-7650	1	Spring-Torsion	25:2	62-5070	1	Decal-Warning
7:6	62-2420-01	1	Bar-Lift	26	92-0586	1	Pull Arm ASM
8	105-3823	1	Hydraulic Cylinder ASM	26:2	3-1506	2	Bushing
9	340-92	1	Fitting-HYD, Straight	27	99-4277	1	Roller ASM
9:1	237-78	1	O-Ring	☆27:2	253-83	2	Hub Yoke ASM
9:2	237-21	1	O-Ring	27:2:2	251-141	1	Seal-Oil
10	3253-4	1	Washer-Lock	27:3	251-141	2	Bearing-Ball
12	302-2	1	Fitting-Grease	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

☆ Not serviced separately

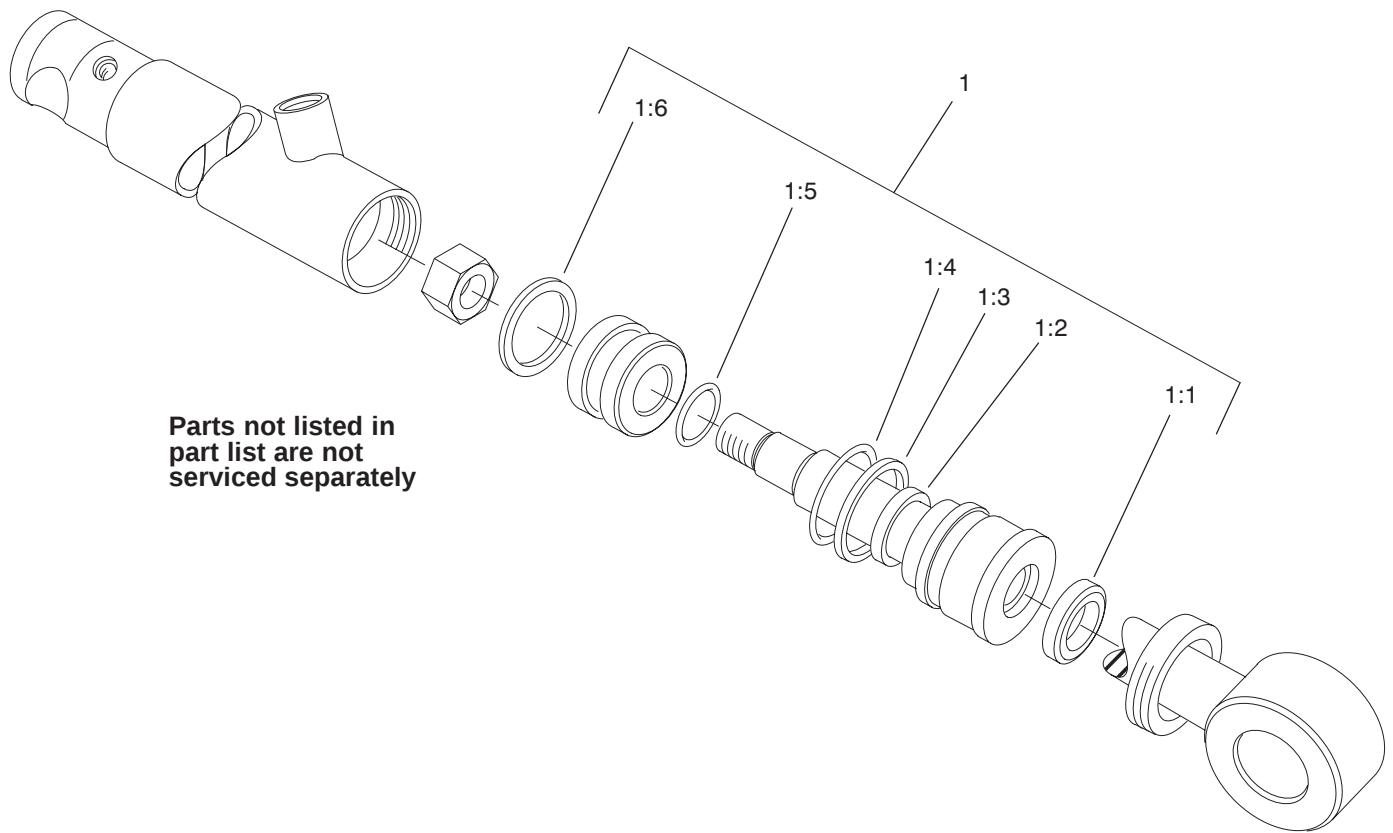


Sheet No.: 8

Center Pull Frame Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
32	95-1639	1	Fitting-HYD
32:1	237-78	1	O-Ring
32:2	237-21	1	O-Ring

Ref. No.	Part No.	Qty.	Description



**Parts not listed in
part list are not
serviced separately**

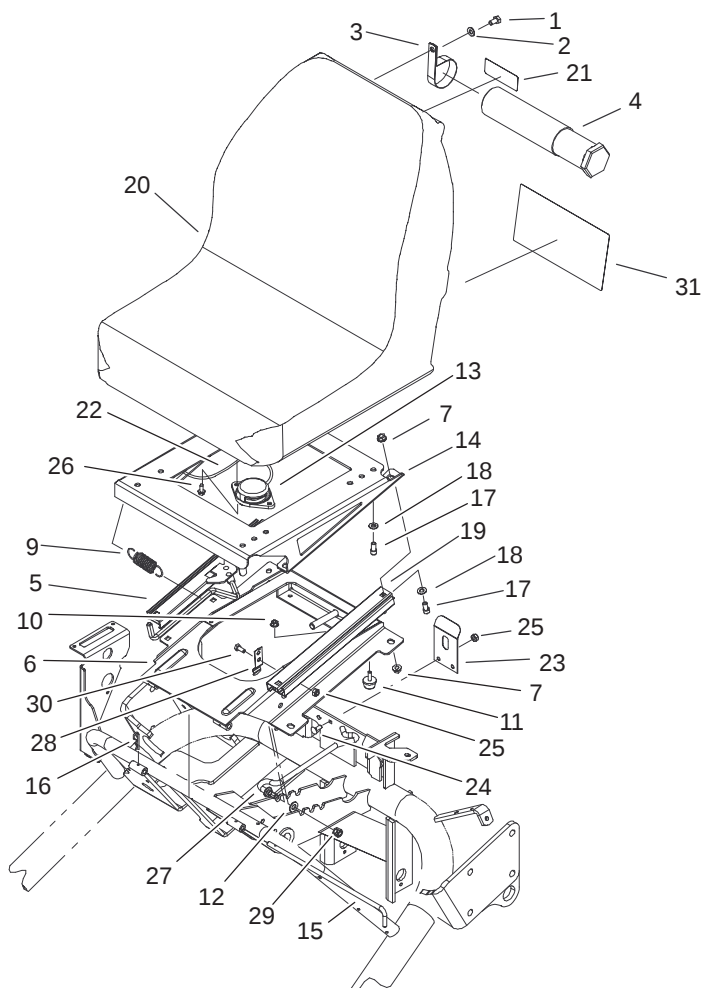
Sheet No.: A5
T-3876

Hydraulic Cylinder Assembly No. 105-3823

Ref. No.	Part No.	Qty.	Description
1	105-3835	1	Seal Kit
☆1:1		1	Seal-Dust
☆1:2		1	Seal-Rod
☆1:3		1	Backup
☆1:4		1	O-Ring
☆1:5		1	O-Ring
☆1:6		1	T-Seal

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately

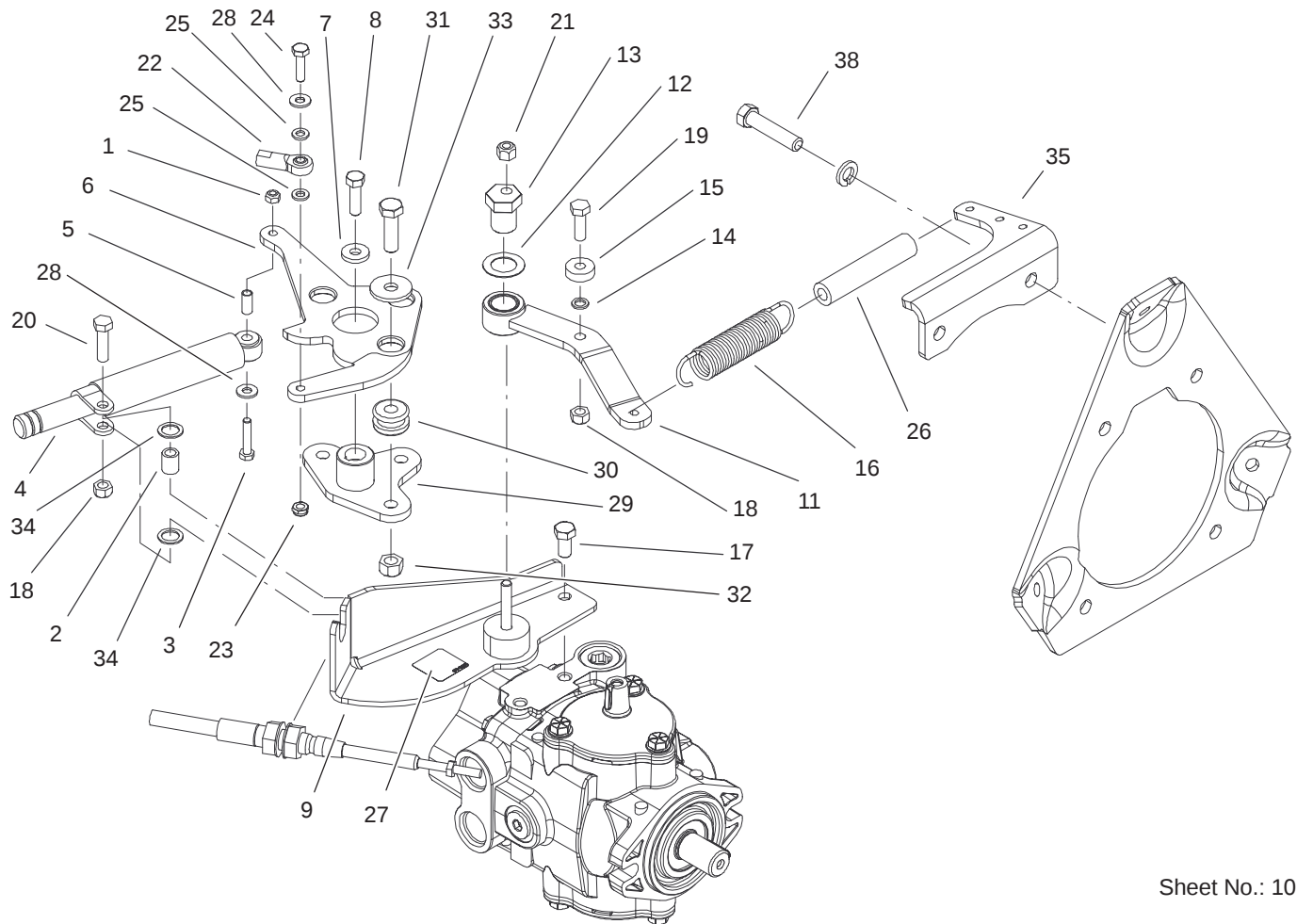


Sheet No.: 9

Seat Assembly

Ref. No.	Part No.	Qty.	Description
1	322-2	2	Screw-HH
2	3256-23	2	Washer-Flat
3	2412-133	2	R-Clamp
4	74-0720	1	Tube-Manual
5	105-8265	1	Adjuster-Seat
6	105-0464-03	1	Seat Plate ASM
7	32128-25	8	Nut-Flange
9	88-6330	1	Spring-Extension
10	32128-33	2	Nut-HF
11	1-523420	2	Bumper
12	3256-24	1	Washer-Flat
13	92-6282	1	Switch-Seat
14	105-0466-03	1	Plate-Seat, Upper
15	105-0483	1	Rod-Pivot, Seat
16	3290-467	1	Pin-Hair
17	3274-12	8	Screw-HSH
18	3256-23	8	Washer-Flat
19	51-0780	1	Slider-Seat
20	100-3187	1	Seat ASM
21	93-6686	1	Decal-Oil, HYD
22	105-4319	1	Harness-Wire, Seat
23	66-2630	1	Latch-Seat
24	3229-1	2	Screw-CARR
25	3296-16	3	Nut-Lock, NI
26	32144-10	2	Screw-HWH
27	106-4643	1	Rod-Prop, Seat

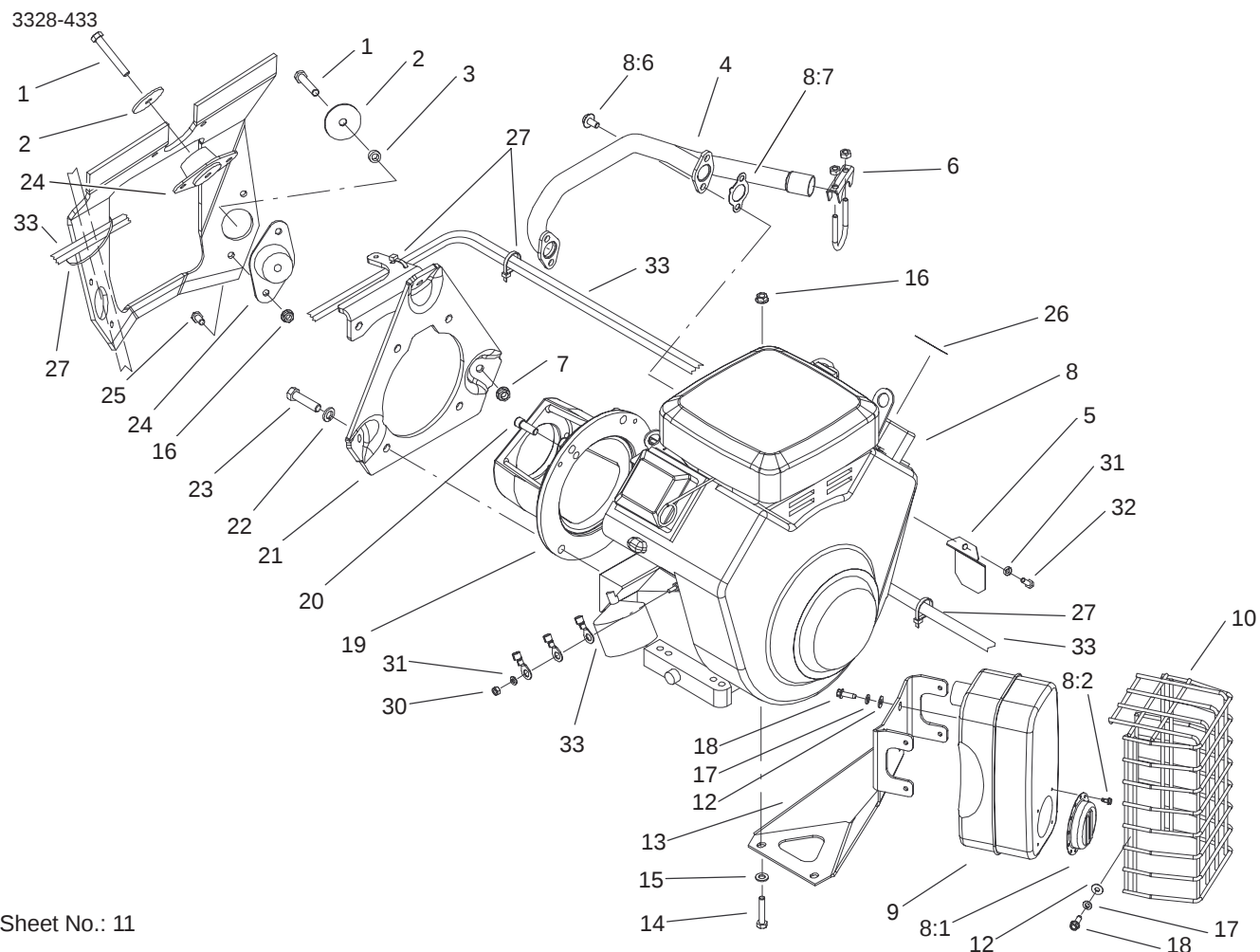
Ref. No.	Part No.	Qty.	Description
28	68-5310	1	Clip-Rod, Prop
29	3296-39	1	Nut-Lock, NI
30	321-3	1	Screw-HH
31	105-8291	1	Decal-Service
31	105-8292	1	Decal-Spanish
31	105-8293	1	Decal-French
31	105-8294	1	Decal-German
31	105-8295	1	Decal-Swedish
31	105-8296	1	Decal-Italian
31	105-8300	1	Decal-Danish
31	105-8299	1	Decal-Finnish
31	105-8298	1	Decal-Norwegian
31	105-8301	1	Decal-Dutch
31	105-8302	1	Decal-Japan
31	105-8297	1	Decal-Portuguese



Sheet No.: 10

Neutral System Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	33023-00	1	Nut-Lock	28	3256-22	2	Washer-Flat
2	94-8197	1	Tube-Pivot	29	94-3486	1	Plate
3	33113-030	1	Screw-HH	30	63-9750	3	Mount
4	76-8870	1	Lever Damper ASM	31	33115-035	3	Screw-HH
5	94-1312	1	Spacer-Pivot	32	33025-00	3	Nut-Lock
6	105-5477-03	1	Lever-Pump	33	2844	3	Washer
7	88-7200	1	Washer-Flat	34	94-8196	2	Washer-Nylon
8	3210-6	1	Screw-HH	35	105-4307-03	1	Bracket-Spring
9	105-5475	1	Cable Support ASM	38	324-8	2	Screw-HH
11	105-4302	1	Neutral Arm ASM				
12	3-6498	1	Washer-Thrust				
13	93-2111	1	Stud-Traction				
14	75-5470	1	Spacer-Bearing				
15	251-259	1	Bearing				
16	94-1369	1	Spring-Extension				
17	323-4	2	Screw-HH				
18	33024-00	2	Nut-Lock				
19	33114-025	1	Screw-HH				
20	33114-030	1	Screw-HH				
21	3296-29	1	Nut-Lock, NI				
22	2411-41	1	Joint-Ball				
23	3296-56	1	Nut-Lock, NI				
24	321-7	1	Screw-HH				
25	33093-00	2	Washer-Flat				
26	99-4251	1	Hose-Dampener				
27	93-9051	1	Decal-Bolt, Eccentric				



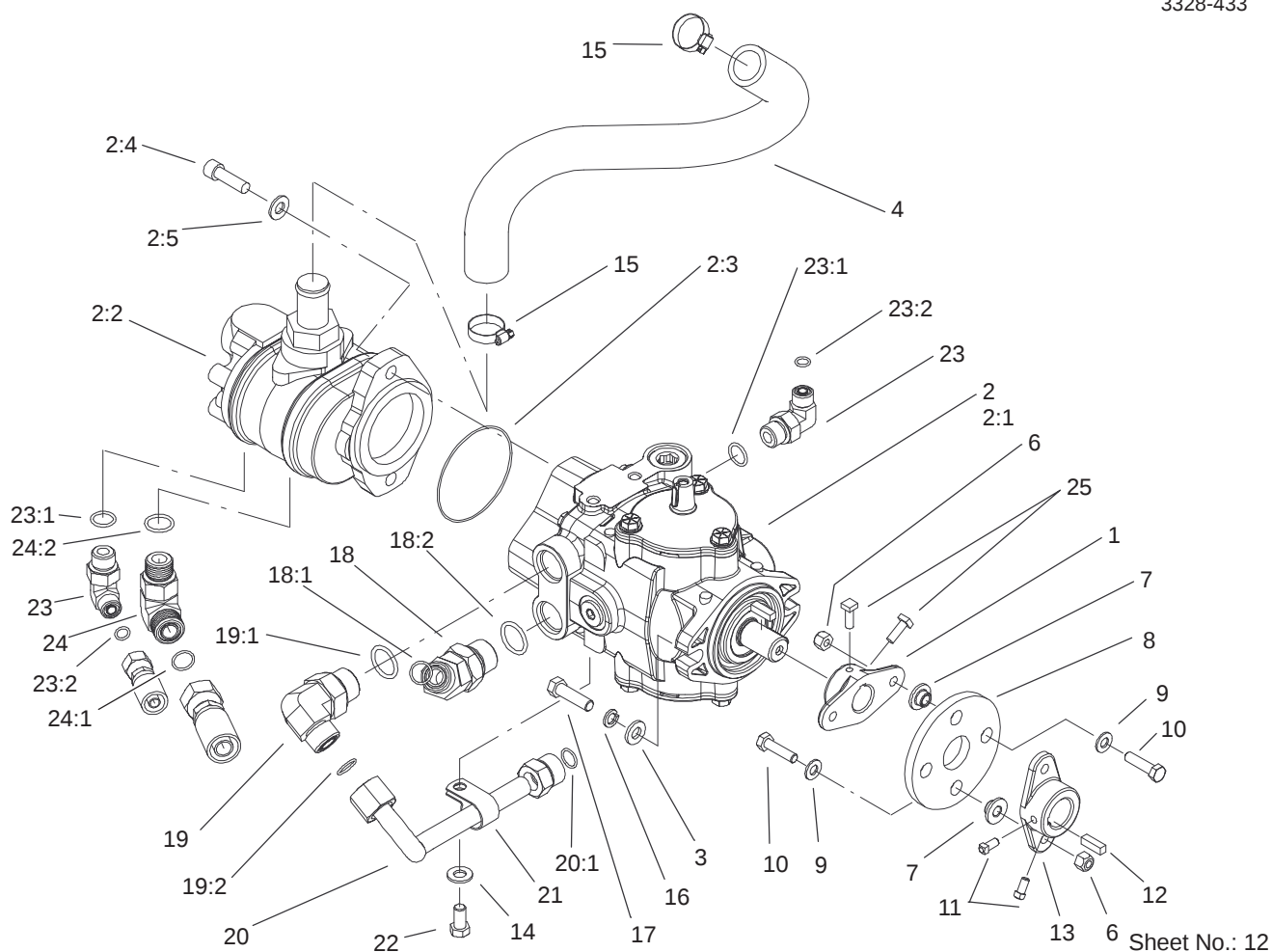
Sheet No.: 11

Engine Installation Assembly

Ref. No.	Part No.	Qty.	Description
1	323-12	3	Screw-HH
2	83-1040	3	Washer-Flat
3	83-1050	2	Spacer
4	83-1080	1	Exhaust Manifold ASM
5	83-2310	1	Shield-Regulator
6	2112-11	1	Clamp-Muffler
7	3290-357	3	Nut-HHF
8	106-4618	1	Engine-18hp, Vanguard
☆8:1		1	Deflector-Exhaust
☆8:2		4	Screw-HH
☆8:6		4	Capscrew-Flange, HH
☆8:7		2	Gasket-Manifold, Exhaust
9	98-0616	1	Muffler ASM
10	83-1400-03	1	Shield-Muffler
12	3256-1	8	Washer-Flat
13	83-1630-03	1	Bracket-Support, Muffler
14	322-8	2	Screw-HH
15	3256-23	2	Washer-Flat
16	32128-20	8	Nut-HF
17	3253-3	8	Washer-Lock
18	49-2040	8	Screw-Tapping
19	83-1060-03	1	Adapter-Pump
20	3274-7	2	Screw-HSH

Ref. No.	Part No.	Qty.	Description
21	85-8120-03	1	Plate-Mount, Engine
22	3253-6	4	Washer-Lock
23	324-7	2	Screw-HH
24	83-1030	3	Mount-Engine
25	322-3	6	Screw-HH
26	93-8069	1	Decal-Surface, Hot
27	3290-379	4	Tie-Cable
30	43-2830	1	Nut-Hex
31	43-5930	2	Washer-Spring
32	33113-016	1	Screw-HH
33	105-8276	1	Harness-Wire, Engine

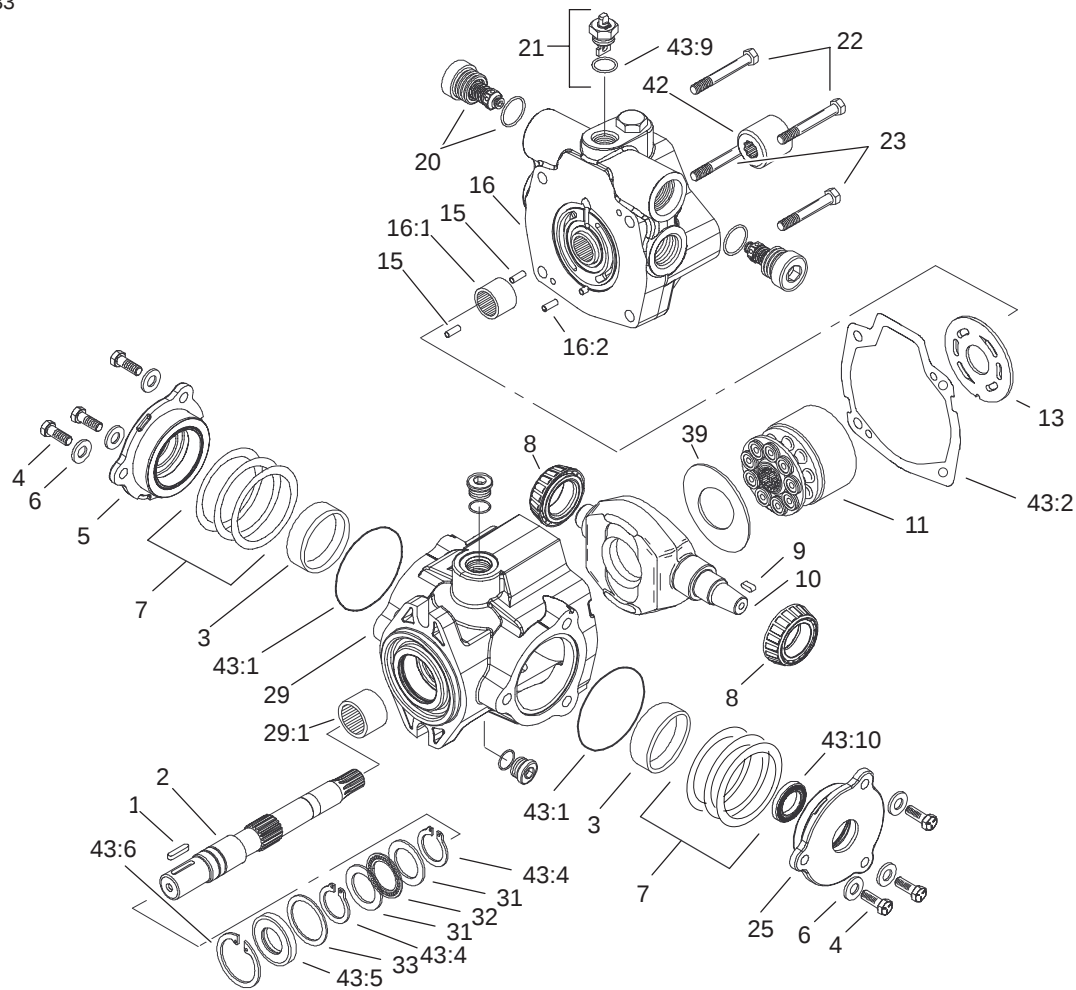
☆ Not serviced separately



Sheet No.: 12

Hydrostat and Gear Pump Drive Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	93-2589	1	Hub-Pump	19:2	237-65	1	O-Ring
2	105-0453	1	Gear Pump ASM	20	105-8307	1	Tube-HYD, Traction
2:1	105-0494	1	Hydrostat ASM	20:1	237-65	1	O-Ring
2:2	104-7737	1	Gear Pump ASM	21	2412-41	1	Clamp
2:3	60-3520	1	O-Ring	22	323-4	1	Screw-HH
2:4	3274-1	2	Screw-HSH	23	340-18	2	Fitting-HYD, 90°
2:5	3256-24	2	Washer-Flat	23:1	237-79	1	O-Ring
3	100-4852	2	Washer-Hardened	23:2	237-22	1	O-Ring
4	105-8285	1	Hose-Inlet, Pump	24	340-17	1	Fitting-HYD, 90°
6	3296-29	4	Nut-Lock, NI	24:1	237-65	1	O-Ring
7	27-6600	4	Spacer-Coupling	24:2	237-80	1	O-Ring
8	44-2230	1	Coupling-Rubber	25	3241-6	2	Screw-SQH
9	3256-3	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	3256-24	1	Washer-Flat				
15	2412-34	2	Clamp-Hose				
16	3253-21	2	Washer-Lock				
17	323-29	2	Screw-HH				
18	340-156	1	Fitting-HYD				
18:1	237-65	1	O-Ring				
18:2	237-81	1	O-Ring				
19	340-139	1	Fitting-HYD, 90°				
19:1	237-81	1	O-Ring				



Sheet No.: A6

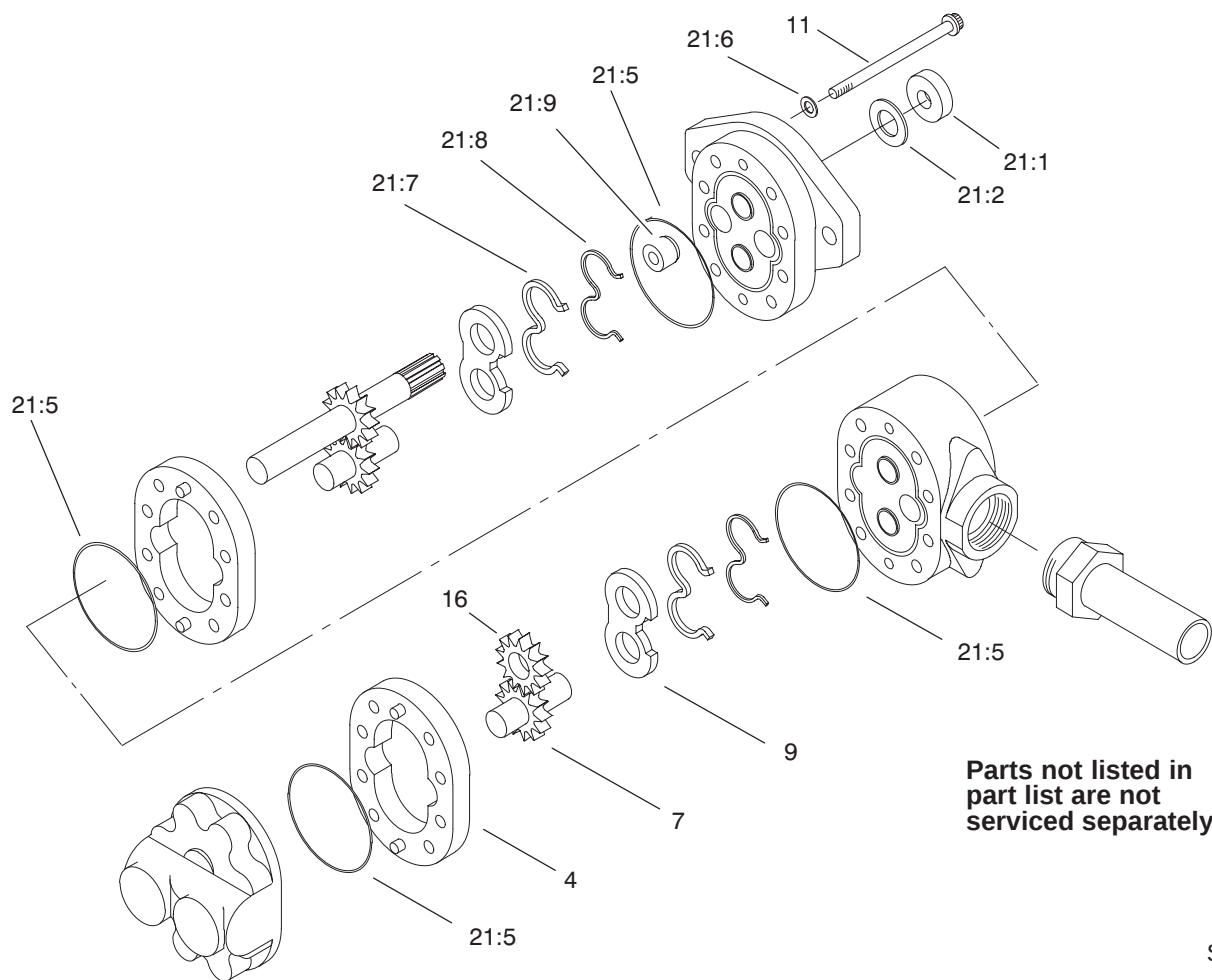
T-2357

Hydrostat Assembly No. 105-0494

Ref. No.	Part No.	Qty.	Description
1	94-3645	1	Key
2	94-6359	1	Shaft-Drive
3	104-4046	2	Bearing-Cup
4	98-4640	6	Screw-Cap
5	98-4644	1	Plate-Cover
6	105-9762	6	Washer
7	100-3182	2	Shim Kit
8	98-4639	2	Bearing-Cone
9	94-3646	1	Key
10	100-3175	1	Camplate
11	76-6070	1	Rotating Kit
13	100-3180	1	Valve-Plate
15	76-6150	2	Pin-Dowel
16	105-3813	1	Endcover Sub ASM
16:1	94-6368	1	Bearing
☆16:2		1	Pin-Roll
20	105-3812	2	Valve-Check
21	105-3811	1	Valve-Bypass
22	76-6170	2	Capscrew
23	76-6160	2	Capscrew
25	98-4645	1	Plate-Cover
29	100-3176	1	Housing ASM
29:1	94-6363	1	Bearing
31	252-71	2	Washer-Thrust
32	252-66	1	Bearing-Thrust
33	33-3720	1	Washer

Ref. No.	Part No.	Qty.	Description
39	98-4635	1	Insert-Plate, Cam
42	74-9040	1	Coupler
43	105-3844	1	Seal Repair Kit
43:1	100-3179	2	O-Ring
43:2	33-4930	1	Gasket-Housing
43:4	32151-29	2	Ring-Retaining
43:5	104-4861	1	Seal-Shaft
43:6	32151-13	1	Ring-Retaining
☆43:9		1	O-Ring
☆43:10		1	Seal-Shaft

☆ Not serviced separately



**Parts not listed in
part list are not
serviced separately**

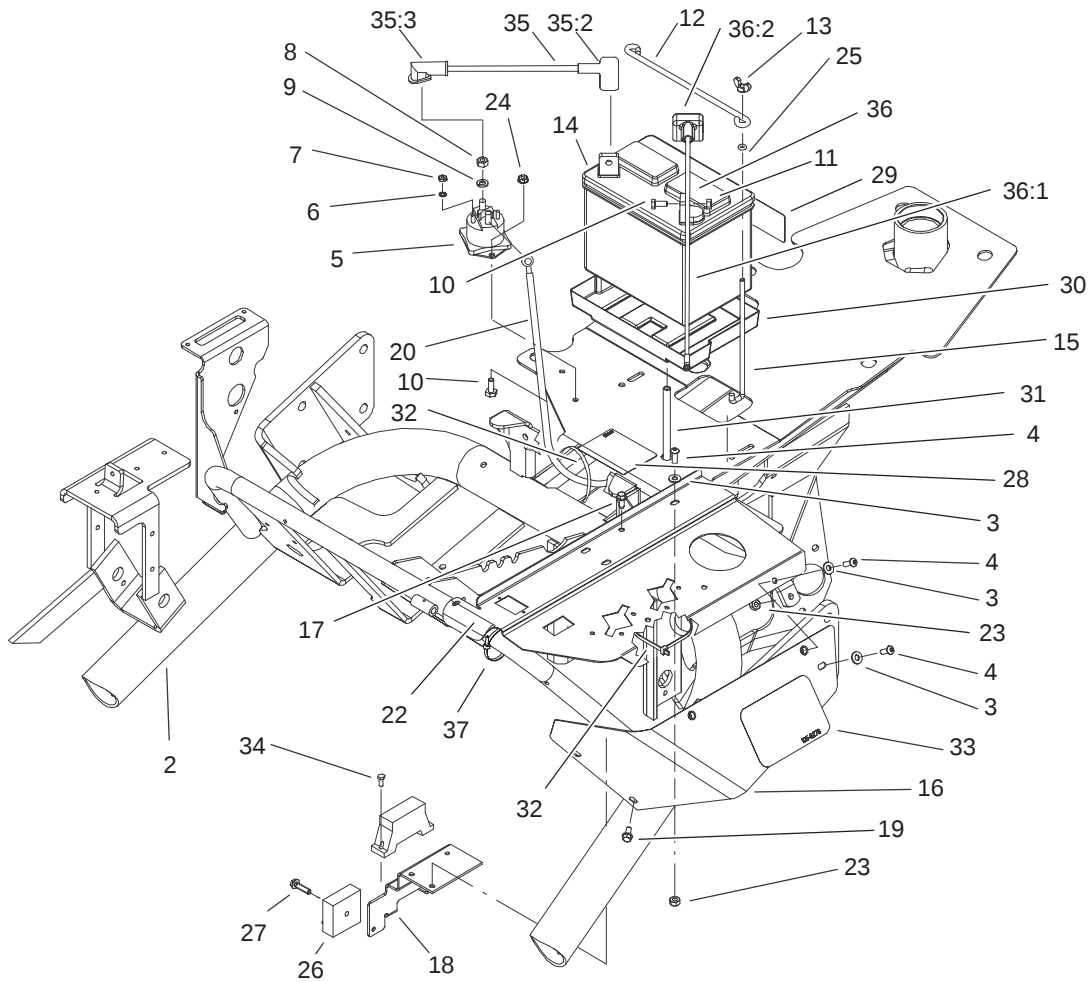
Sheet No.: A7
T-3483

Gear Pump Assembly No. 104-7737

Ref. No.	Part No.	Qty.	Description
4	95-4364	1	Body
7	95-4366	1	Gear-Idler
9	95-4368	2	Plate-W ear
11	94-8158	8	Screw-Cap
16	95-4373	1	Gear-Fit, Slip
21	94-8161	1	Seal Repair Kit
21:1	49-2640	1	Seal-Shaft
21:2	60-5890	1	Washer
☆21:5		4	O-Ring
21:6	94-8160	4	Washer
21:7	95-4369	2	Seal
21:8	95-4367	2	Gasket
21:9	94-3011	1	Plug

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately

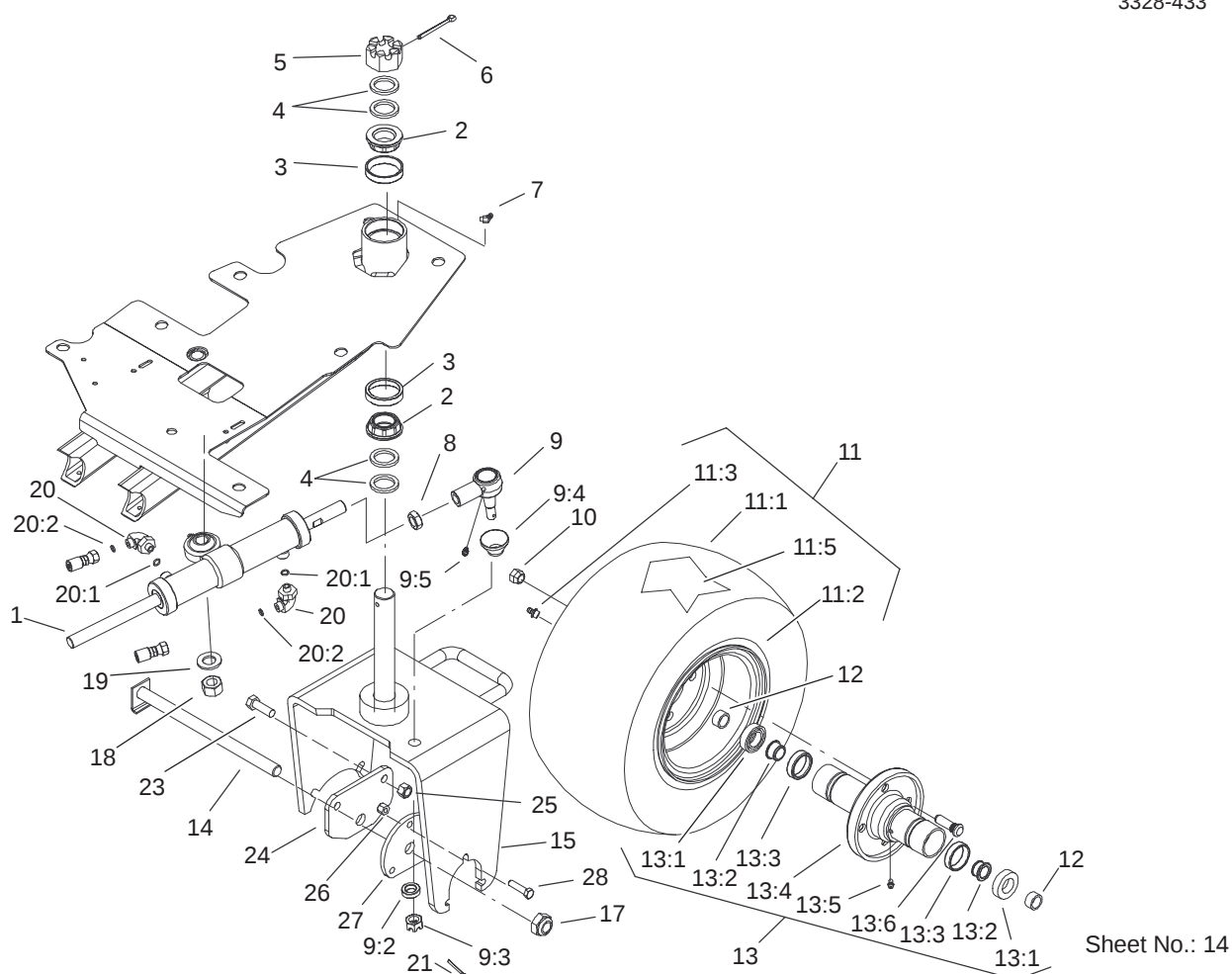


Sheet No.: 13

Frame and Battery Assembly

Ref. No.	Part No.	Qty.	Description
2	105-0401-01	1	Frame ASM
3	3256-22	4	Washer-Flat
4	3274-69	4	Screw-HSBH
5	28-4210	1	Solenoid
6	3254-1	2	Washer-Lock, Internal
7	3219-14	2	Nut-Hex
8	3218-13	2	Nut-Jam
9	3253-4	2	Washer-Lock
10	321-3	4	Screw-HH
11	3217-5	2	Nut-Hex
12	100-6434	1	Rod-Battery , Hold Down
13	32103-22	2	Nut-Wing
14	28-1400	1	Battery-Dry
15	100-6435	2	Post-Battery
16	105-5411	1	Shield-Valve Cover ASM
17	32144-10	1	Screw-HWH
18	105-4310-01	1	Bracket-Fuse
19	32104-116	2	Screw
20	98-2161	1	Cable-Battery , Positive
22	105-0499-03	1	Panel-Control
23	3296-16	2	Nut-Lock, NI
24	32149-2	2	Nut
25	237-143	2	O-Ring

Ref. No.	Part No.	Qty.	Description
26	92-2538	1	Timer-Plug, Glow
27	32144-86	1	Screw-HH
28	93-7276	1	Decal-Danger
29	93-6668	1	Decal-Battery
30	106948	1	Tray-Battery
31	104-2061	1	Tube-Drain, Battery
32	3290-379	2	Tie-Cable
33	105-8278	1	Decal-Toro
34	32144-1	2	Screw-T aptite
35	83-2420	1	Positive Cable ASM
35:2	28-8080	1	Boot-Terminal
35:3	83-2430	1	Boot-Terminal
36	98-2165	1	Negative Cable ASM
36:1	83-1150	1	Engine Ground Wire ASM
36:2	98-0603	1	Boot-Terminal
37	3290-378	1	Tie-Cable



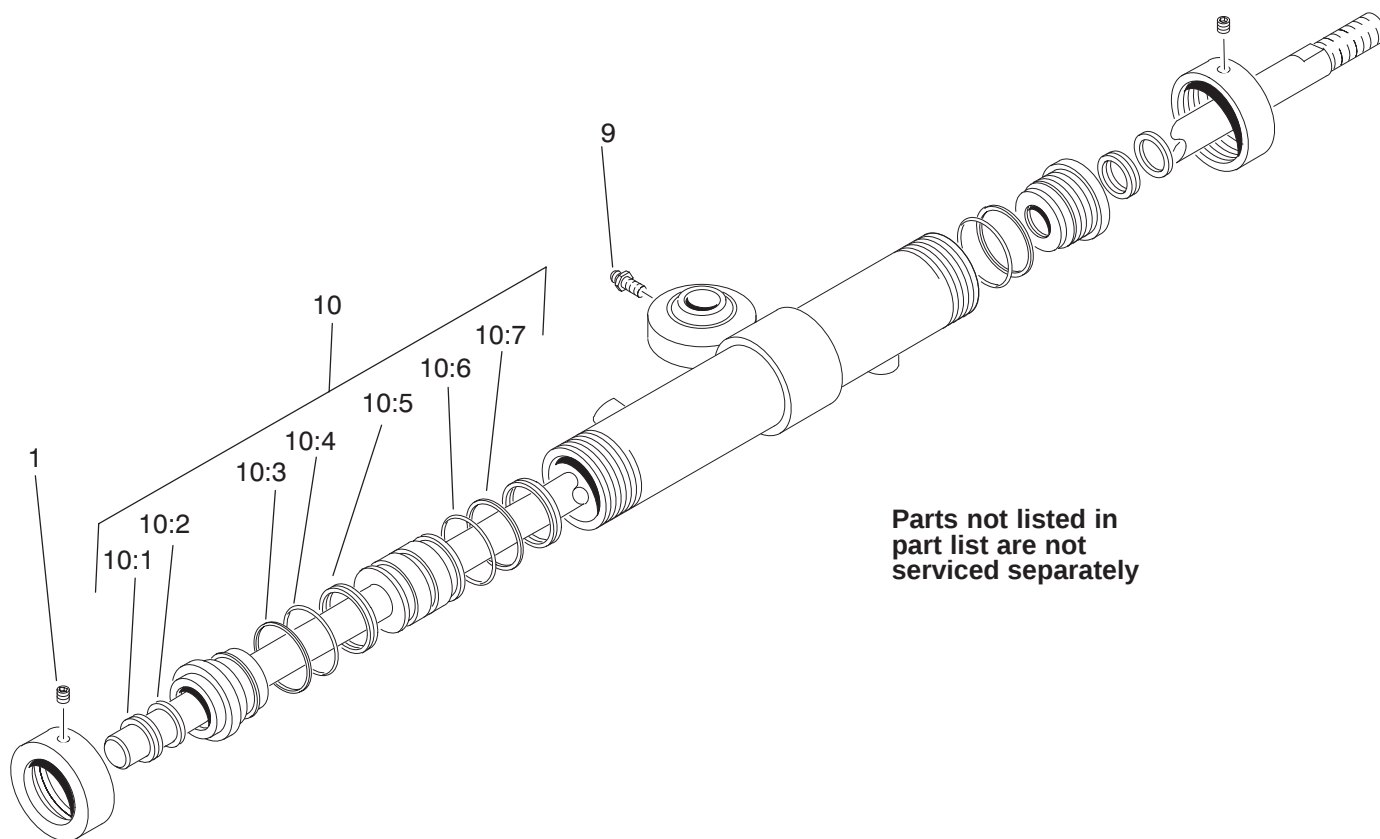
Sheet No.: 14

Rear Wheel Assembly

Ref. No.	Part No.	Qty.	Description
1	105-0411	1	Cylinder-Steering
2	254-70	2	Bearing-Cone
3	254-61	2	Bearing-Cup
4	18-6320	4	Washer-Steering
5	32136-9	1	Nut-Hex, Slot
6	3272-37	1	Pin-Cotter
7	302-11	1	Fitting-Lube, 45°
8	84-5300	1	Nut-Jam
9	105-7841	1	Rod End ASM
9:2	105-7942	1	Spacer
9:3	32136-2	1	Nut-SHH
9:4	105-7835	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-V valve
11:5	232-37	1	Tube
12	74-3730	2	Spacer-Spindle, Rear
13	72-9710	1	Hub-Tire, Sulky
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	302-55	1	Zerk

Ref. No.	Part No.	Qty.	Description
13:6	10-6830	4	Stud-Type, Drive
14	5-3934	1	Bolt-Caster
15	93-2529-01	1	Fork-Caster
17	3296-67	1	Nut-Lock NI
18	3217-12	1	Nut-Hex
19	3256-28	1	Washer-Flat
20	340-132	2	Fitting-HYD, 90°
20:1	237-78	1	O-Ring
20:2	237-21	1	O-Ring
21	3272-12	1	Pin-Cotter
23	325-6	2	Screw-HH
24	99-1485-01	1	Plate-Adapter, Motor
25	3296-23	2	Nut-Lock, NI
26	3296-39	3	Nut-Lock, NI
27	99-1486-01	1	Plate-Adapter
28	323-8	3	Screw-HH

☆ Not serviced separately



**Parts not listed in
part list are not
serviced separately**

Sheet No.: A8

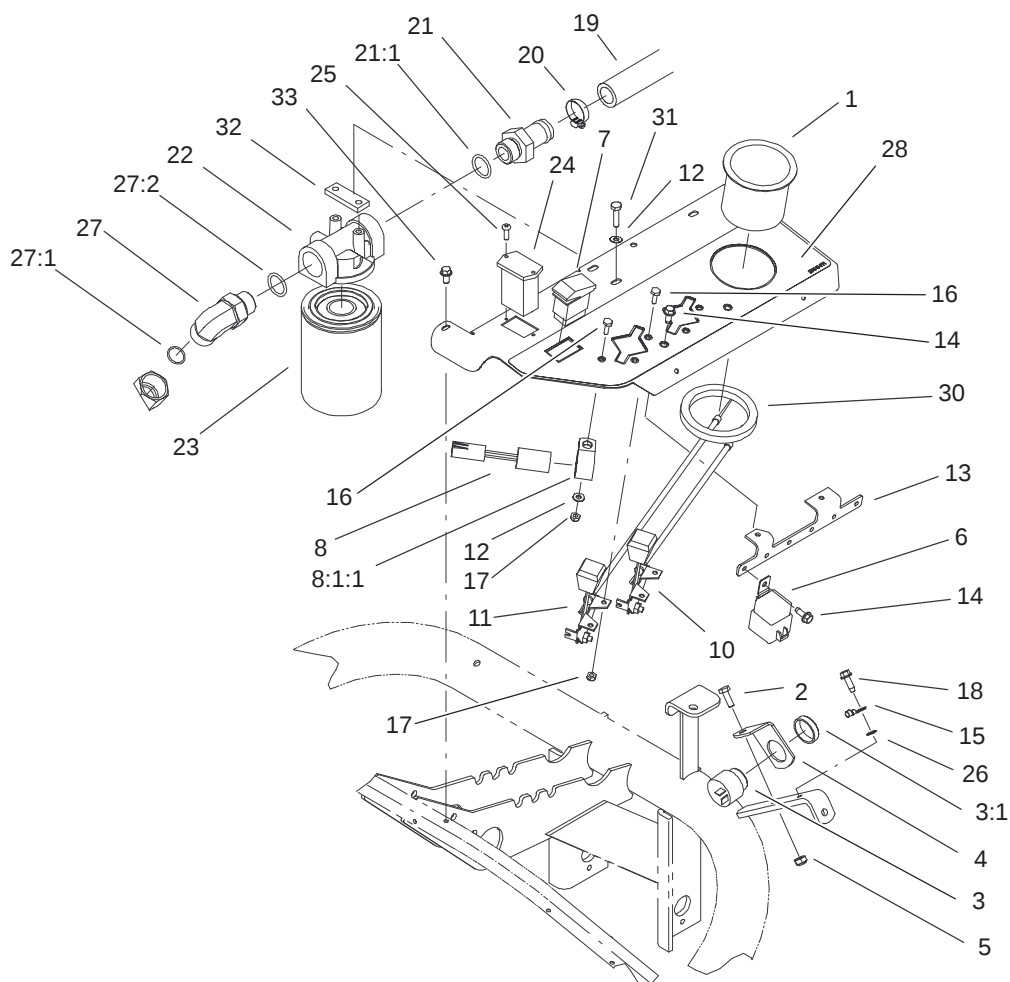
T-3892

Steering Cylinder Assembly No. 105-0411

Ref. No.	Part No.	Qty.	Description
1	3245-1	2	Screw-Set, HSH
9	302-5	1	Fitting-Grease
10	83-2380	1	Seal Repair Kit
☆10:1		2	Wiper-Rod
☆10:2		2	U-Cup-Double Lip
☆10:3		2	Ring-Back-Up
☆10:4		2	O-Ring
☆10:5		2	Ring-Wear
☆10:6		1	O-Ring
☆10:7		1	O-Ring

Ref. No.	Part No.	Qty.	Description

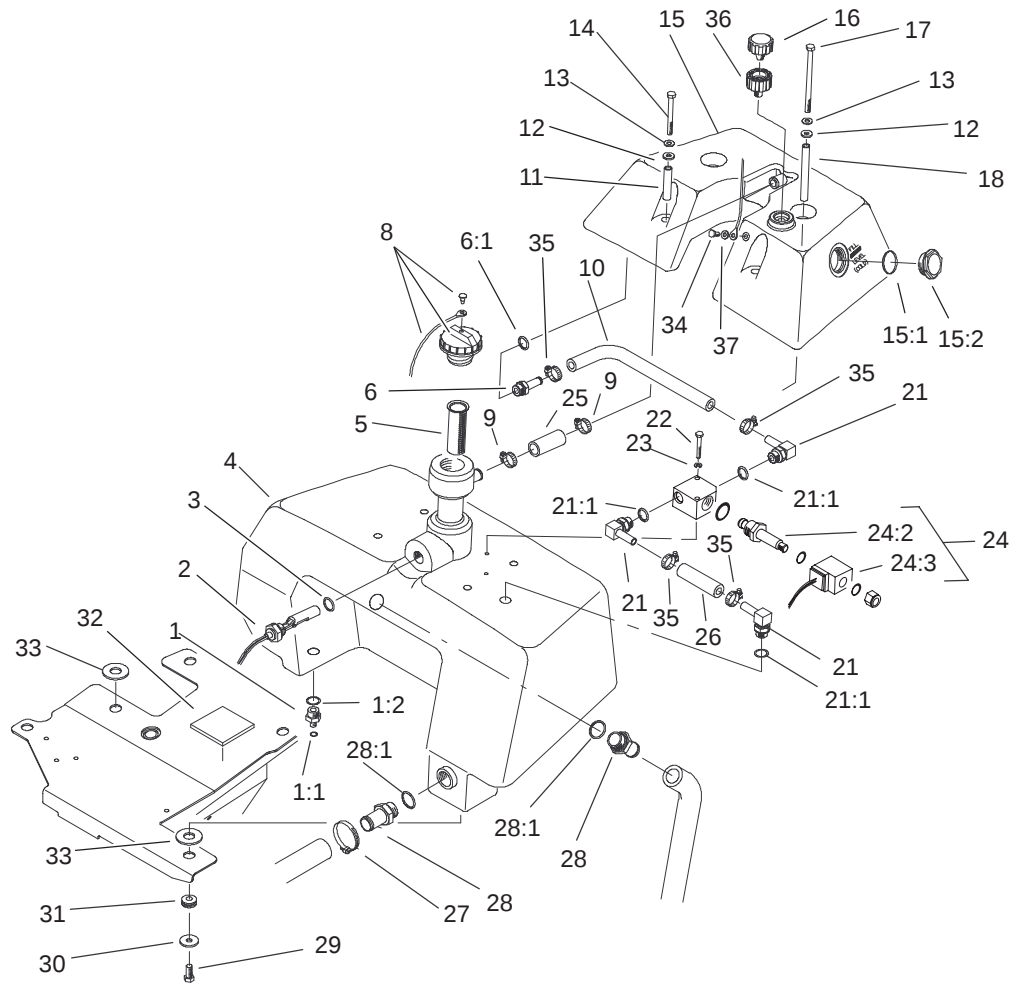
☆ Not serviced separately



Sheet No.: 15

Control Panel Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	94-1410	1	Holder-Can, Beverage	23	105-0438	1	Element-Filter
2	321-4	1	Screw-HH	24	75-6820	1	Hourmeter
3	80-9330	1	Alarm-Audio	25	32144-18	2	Screw-HH
3:1	104-5107	1	Nut-Plastic, Knurled	26	3255-7	1	Washer-Lock/Ext
4	83-1530	1	Bracket-Support, Buzzer	27	340-142	1	Fitting-HYD, 90°
5	3296-16	1	Nut-Lock, NI	27:1	237-58	1	O-Ring
6	99-7430	6	Relay	27:2	237-81	1	O-Ring
7	105-4320	1	Switch	28	105-5471	1	Decal-Panel, Left Control
8	83-2280	1	Timer-Delay	30	104-1476	1	Ring-Rubber
8:1:1	98-4604	1	R-Clamp	31	321-6	2	Screw-HH
10	83-0040	1	Control-Choke	32	105-4309	1	Plate-Filter
11	83-0030	1	Control-Throttle	33	32104-116	1	Screw
12	3256-22	3	Washer-Flat				
13	105-4306-03	1	Bracket-Relay				
14	32144-10	8	Screw-HWH				
15	83-1150	1	Engine Ground Wire ASM				
16	3290-134	5	Screw				
17	3296-12	5	Nut-Lock				
18	32104-95	1	Screw-HWH				
19	105-5410	1	Hose ASM				
20	2412-34	1	Clamp-Hose				
21	99-3017	1	Fitting				
21:1	237-81	1	O-Ring				
22	92-5821	1	Filter Head ASM				

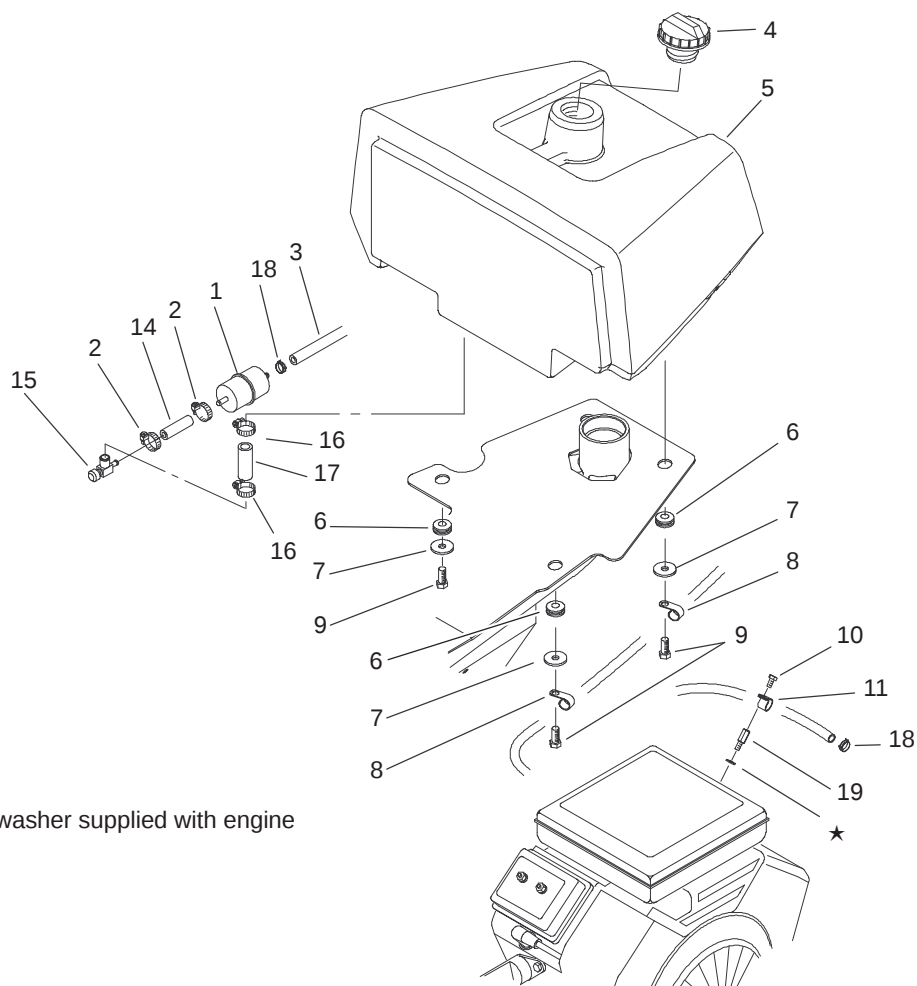


Sheet No.: 16

Hydraulic Reservoir and Leak Detector Assembly

Ref. No.	Part No.	Qty.	Description
1	340-3	1	Adapter
1:1	237-22	1	O-Ring
1:2	237-79	1	O-Ring
2	83-1450	1	Sensor-Level, Oil
3	237-80	1	O-Ring
4	105-9783	1	Tank-Hydraulic
5	83-1520	1	Screen-Filler
6	354-121	1	Fitting-HYD, Straight
6:1	237-79	1	O-Ring
8	93-7160	1	Cap-Oil, HYD
9	2412-141	2	Clamp-Drive, Worm
10	83-2070	1	Hose-Valve
11	83-1550	2	Spacer-Tube, Short
12	83-1470	4	Washer-Neoprene
13	3256-71	4	Washer-Flat
14	322-14	2	Screw-HH
15	83-2100	1	Tank-Auxiliary, HYD
15:1	94-8166	1	O-Ring
15:2	83-2250	1	Gauge-Sight
16	68-6150	1	Breather-Air
17	322-29	2	Screw-HH
18	83-1560	2	Spacer-Tube, Long
21	354-120	3	Fitting-HYD, 90°
21:1	237-79	1	O-Ring
22	321-11	2	Screw-HH
23	3253-3	2	Washer-Lock

Ref. No.	Part No.	Qty.	Description
24	83-1460	1	Solenoid Valve ASM
24:2	83-2000	1	Spool-Valve
24:3	83-2010	1	Coil-Valve
25	83-2090	1	Hose-Overflow
26	83-2080	1	Hose-Valve, Tank
27	2412-34	1	Clamp-Hose
28	83-0870	2	Fitting-Hose, Barbed
28:1	237-177	1	O-Ring
29	323-6	3	Screw-HH
30	63-8410	3	Washer
31	240-11	3	Grommet-Mount, Tank
32	83-2390	1	Pad-Tank
33	83-2400	2	Spacer
34	321-2	1	Screw-HH
35	2412-36	4	Clamp-Hose
36	92-8020	1	Adapter-Breather
37	3256-22	1	Washer-Flat



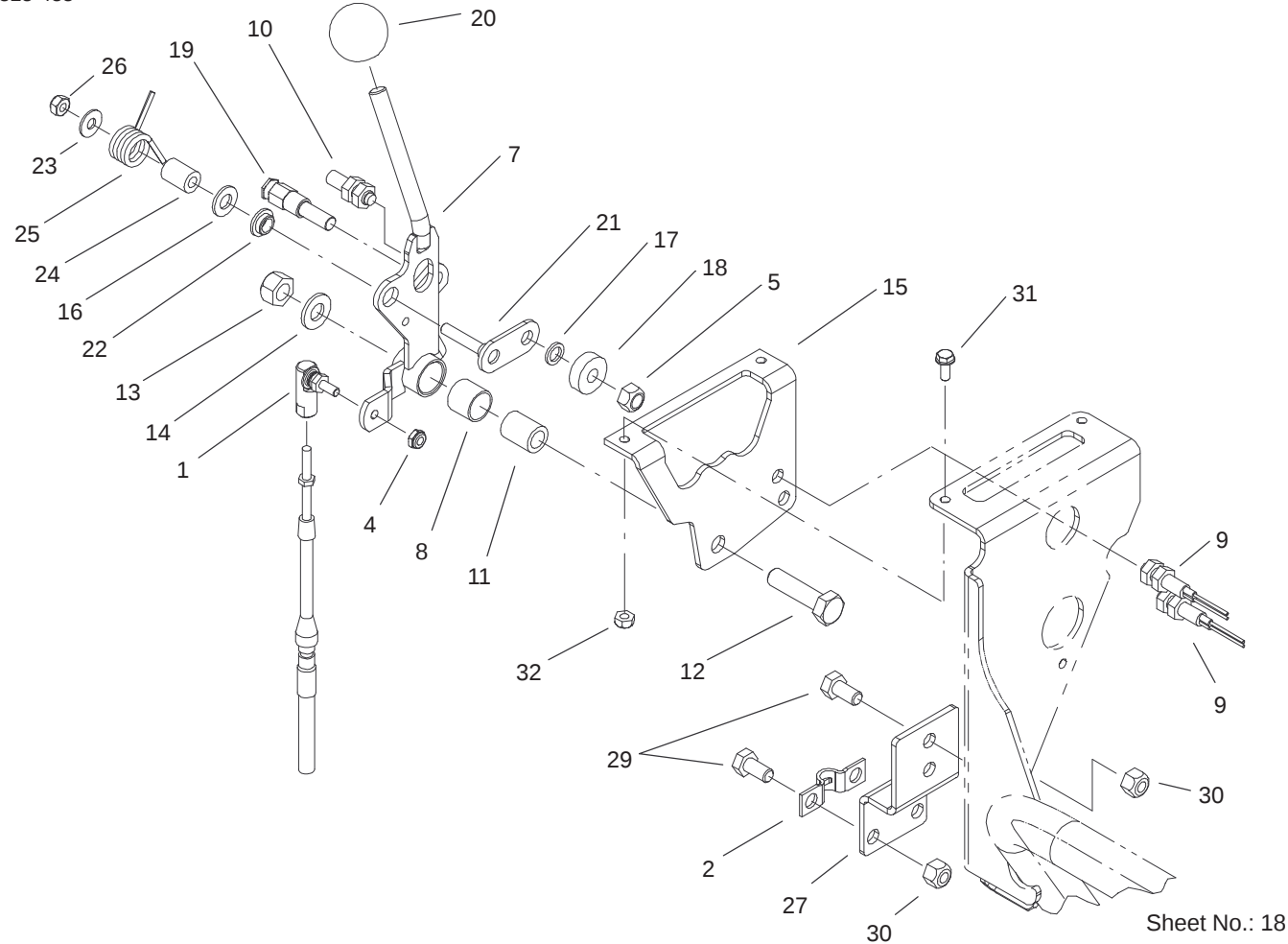
★ Fiber washer supplied with engine

Sheet No.: 17

Fuel Tank Assembly

Ref. No.	Part No.	Qty.	Description
1	94-2690	1	Filter-Fuel
2	2412-108	2	Clamp-W orm
3	83-2041	1	Hose-Fuel
4	93-7170	1	Cap-Fuel
5	105-8266	1	Tank-Fuel
6	240-11	4	Grommet-Mount, Tank
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
14	105-8342	1	Hose-Line, Fuel
15	83-1390	1	Fitting-Shut-Of f, Fuel
16	2412-36	2	Clamp-Hose
17	56-2230	1	Hose-Fuel
18	2412-98	2	Clamp
19	106-4616	1	Screw-Spacer

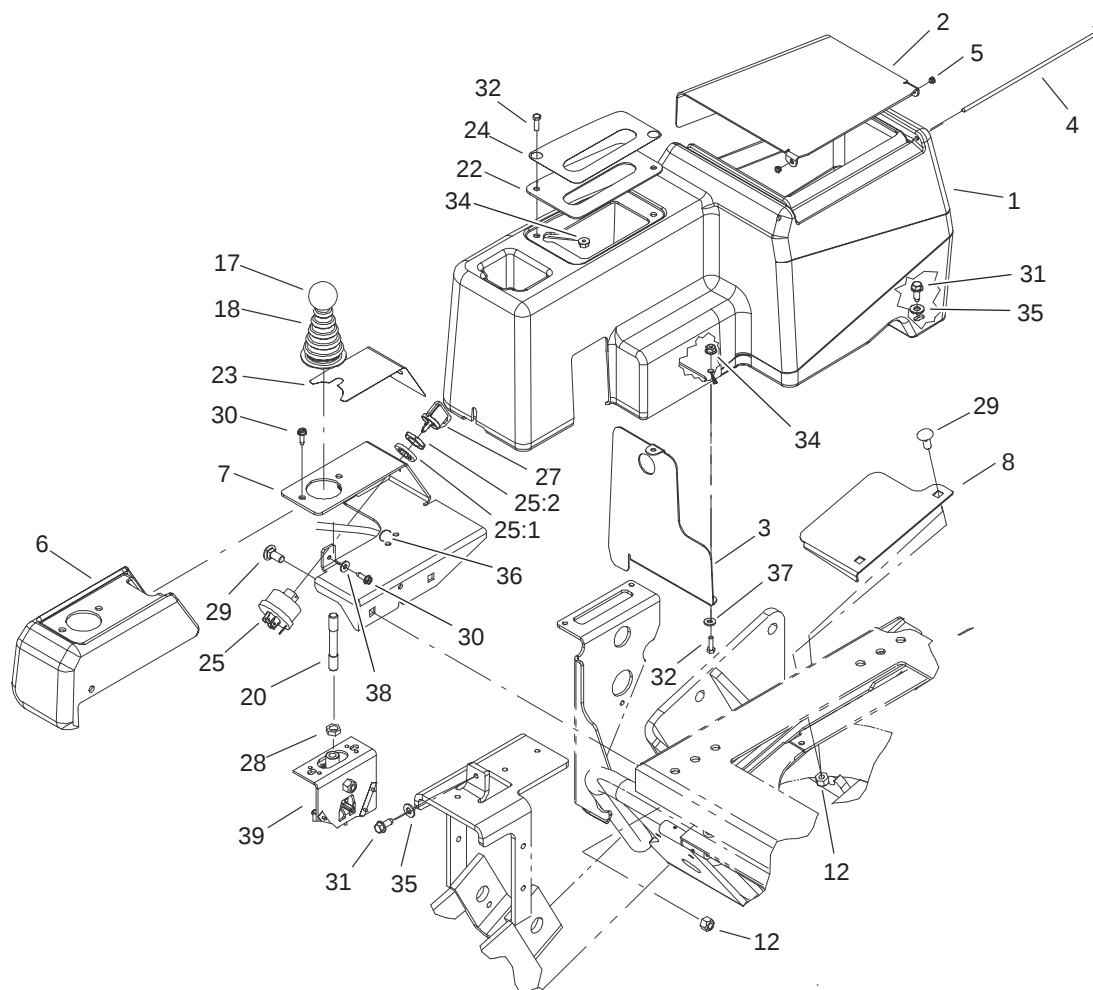
Ref. No.	Part No.	Qty.	Description



Speed Selector Lever Assembly

Ref. No.	Part No.	Qty.	Description
1	2411-38	1	Joint-Ball
2	93-2279	1	Clamp-Cable
4	3296-27	1	Nut-Lock NI
5	33024-00	1	Nut-Lock
7	94-9611	1	Handle
8	256-311	1	Bushing-Split
9	93-2055	2	Sensor-Switch, Reed
10	93-2056	1	Actuator-Switch, Reed
11	94-1378	1	Tube-Pivot, Handle
12	33115-040	1	Screw-HH
13	33025-00	1	Nut-Lock
14	3256-24	1	Washer-Flat
15	94-6398	1	Bracket-T raction
16	3256-23	1	Washer-Flat
17	75-5470	1	Spacer-Bearing
18	251-259	1	Bearing
19	94-9617	1	Pin-Spring
20	233-42	1	Knob
21	94-9614	1	Pivot-Roller
22	94-9619	1	Bushing
23	3256-1	1	Washer-Flat
24	94-9618	1	Spacer-Spring
25	94-9620	1	Spring-Torsion
26	33023-00	1	Nut-Lock
27	105-5417-03	1	Bracket-Cable, Shifter
29	322-2	4	Screw-HH

Ref. No.	Part No.	Qty.	Description
30	3296-29	4	Nut-Lock, NI
31	3290-321	2	Screw-HWH
32	3296-12	2	Nut-Lock

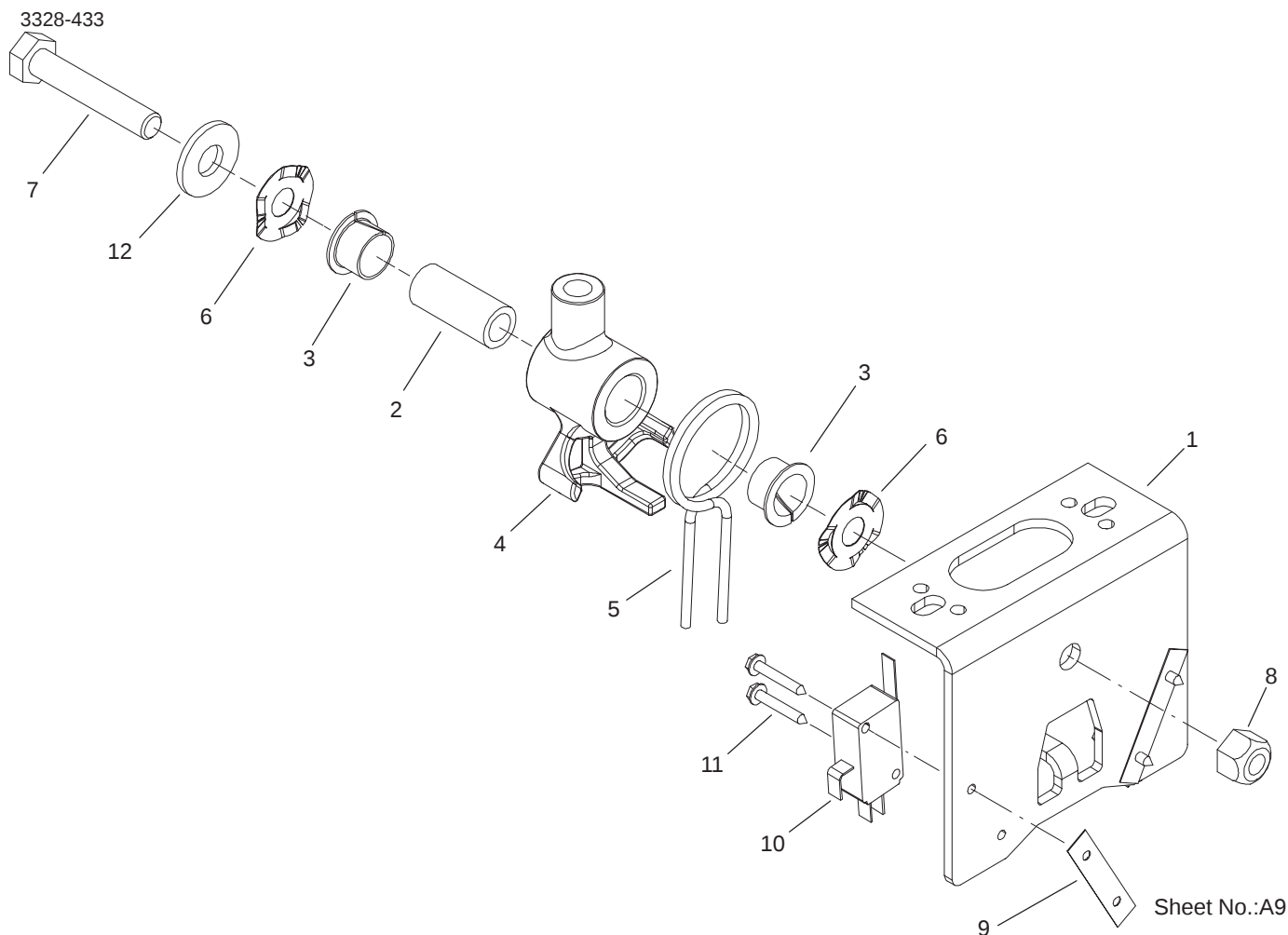


Sheet No.: 19

Joystick and Console Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	105-8250	1	Console	35	3256-22	3	Washer-Flat
2	105-8254-03	1	Lid-Console	36	3290-378	1	Tie-Cable
3	105-8255-03	1	Baffle-Console	37	3256-77	2	Washer-Flat
4	105-8256	1	Rod-Hinge	38	3256-14	2	Washer-Flat
5	105-8283	2	Bushing	☆39		1	Joystick Bracket ASM
6	105-8251	1	Pod				
7	105-8252-03	1	Bracket-Pod				
8	105-8284-03	1	Shield-Valve				
12	3296-29	4	Nut-Lock, NI				
17	233-42	1	Knob				
18	93-5961	1	Boot-Lever				
20	105-8288	1	Rod-Joystick				
22	105-8280-03	1	Plate-Console				
23	105-8305	1	Decal-Panel, Control				
24	105-8306	1	Decal-Selector, Speed				
25	88-9830	1	Key Switch ASM				
25:1	3254-5	1	Washer-Tooth				
25:2	218-461	1	Nut-HH				
27	63-8360	2	Key-Ignition				
28	3218-3	1	Nut-Jam				
29	3230-1	4	Bolt-CARR				
30	32144-19	4	Screw-Forming, Thread				
31	32144-10	3	Screw-HWH				
32	3290-134	4	Screw				
34	3290-148	4	Nut-HF				

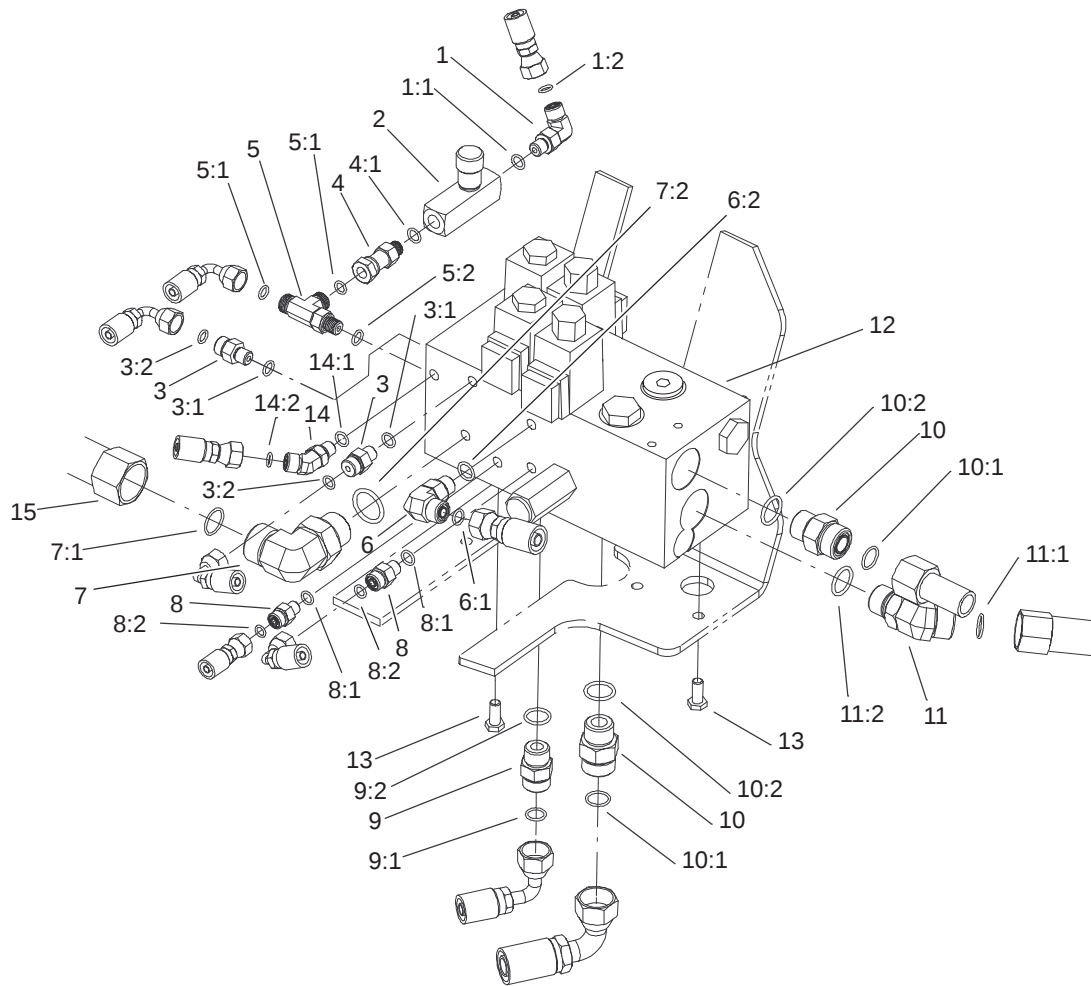
☆ Not serviced separately



Joystick Bracket Assembly

Ref. No.	Part No.	Qty.	Description
1	106-4168-03	1	Bracket-Joystick
2	106-4192	1	Spacer
3	93-5547	2	Bushing-Nylon
4	105-7507	1	Hub-Pivot, Joystick
5	105-8289	1	Spring-Torsion
6	106-4193	2	Washer-Finger, Spring
7	322-9	1	Screw-HH
8	3296-29	1	Nut-Lock, NI
9	3290-354	2	Nut-Speed
10	111332	2	Switch
11	147665	4	Screw-HH
12	3256-3	1	Washer-Flat

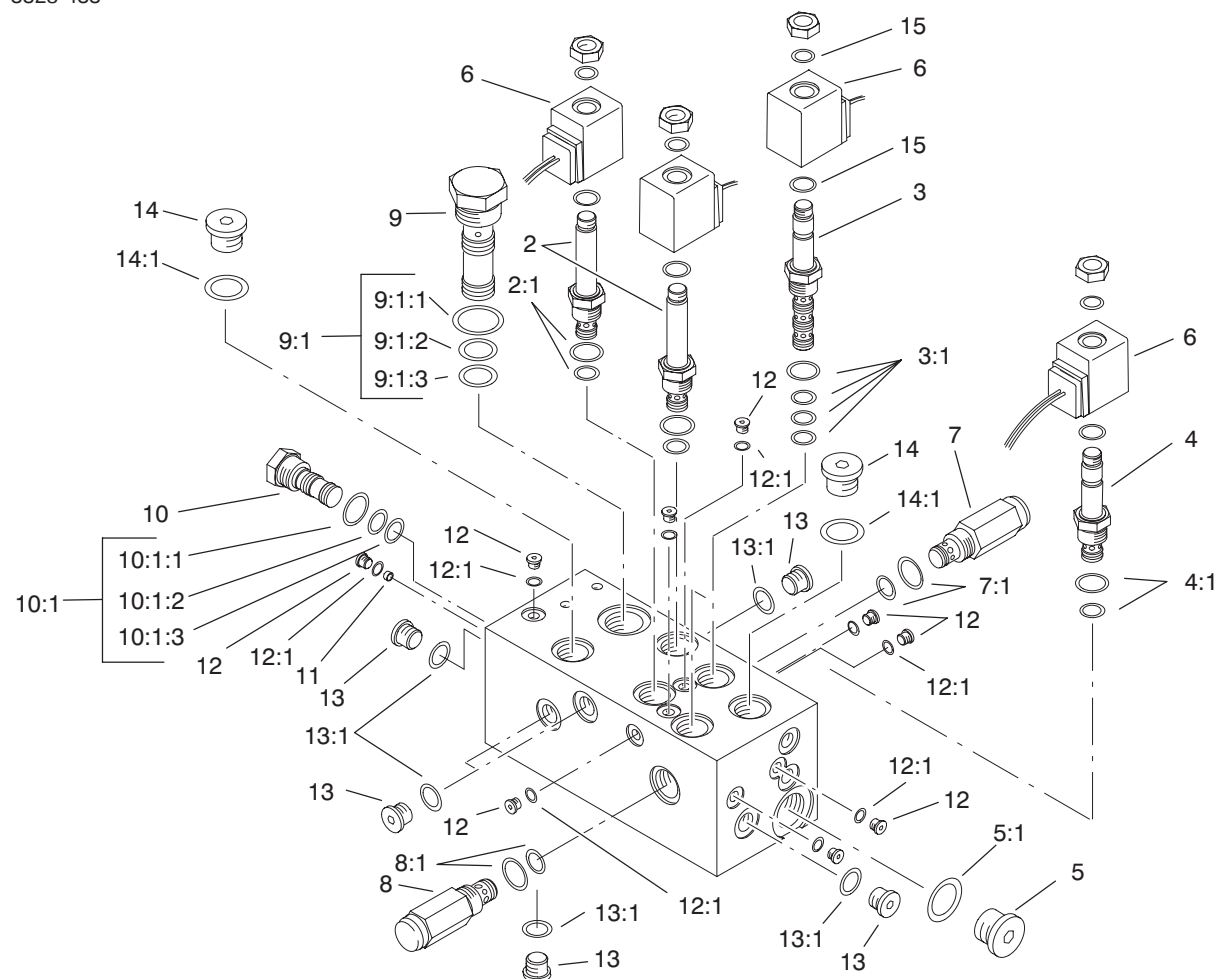
Ref. No.	Part No.	Qty.	Description



Sheet No.: 24

Hydraulic Manifold Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	340-132	1	Fitting-HYD, 90°	10:1	237-65	1	O-Ring
1:1	237-78	1	O-Ring	10:2	237-80	1	O-Ring
1:2	237-21	1	O-Ring	11	340-14	1	Fitting-HYD, 45°
2	93-7489	1	Orifice Valve ASM	11:1	237-65	1	O-Ring
3	95-1639	2	Fitting-HYD	11:2	237-80	1	O-Ring
3:1	237-78	1	O-Ring	12	93-2240	1	Manifold-Mow/Lift, Basic
3:2	237-21	1	O-Ring	13	33114-016	2	Screw-HH
4	104-3777	1	Connector-Swivel, Straight	14	340-103	1	Fitting-HYD, 45°
4:1	237-78	1	O-Ring	14:1	237-78	1	O-Ring
5	340-140	1	Adapter-Tee	14:2	237-21	1	O-Ring
5:1	237-21	2	O-Ring	15	105-5460	1	Tube-HYD, Manifold/Filter
5:2	237-78	1	O-Ring				
6	340-77	1	Fitting-HYD, 90°				
6:1	237-22	1	O-Ring				
6:2	237-42	1	O-Ring				
7	340-142	1	Fitting-HYD, 90°				
7:1	237-58	1	O-Ring				
7:2	237-81	1	O-Ring				
8	340-92	2	Fitting-HYD, Straight				
8:1	237-78	1	O-Ring				
8:2	237-21	1	O-Ring				
9	340-4	1	Adapter				
9:1	237-30	1	O-Ring				
9:2	237-79	1	O-Ring				
10	340-7	2	Adapter				

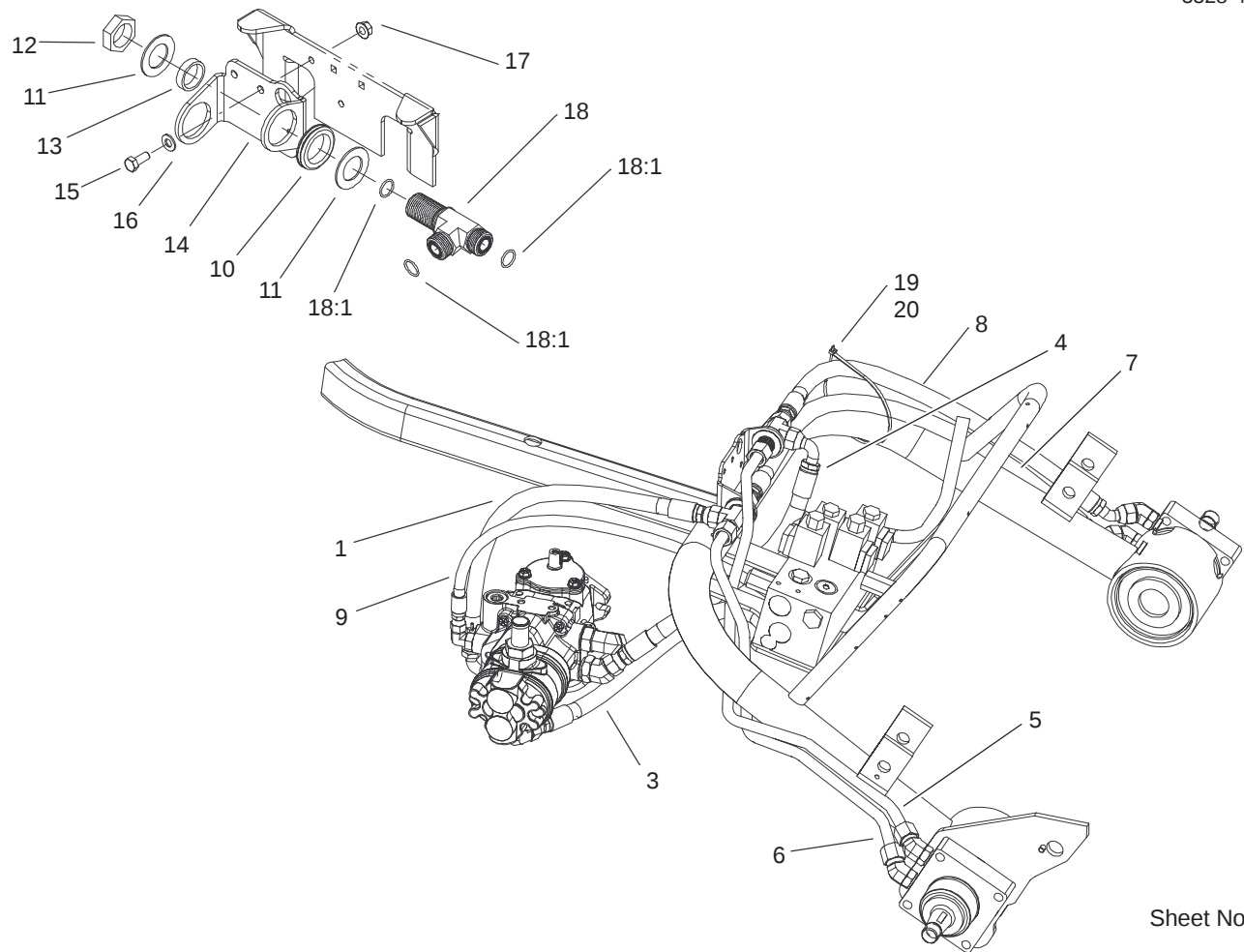


Sheet No.:B1
T-2251

Basic Mow/Lift Manifold Assembly No. 93-2240

Ref. No.	Part No.	Qty.	Description
2	93-7494	2	Cartridge
2:1	75-2080	1	Seal Kit
3	94-2627	1	Cartridge
3:1	95-5642	1	Seal Kit
4	92-6315	1	Cartridge-N.c., Poppet
4:1	104-0004	1	Cartridge Seal Kit
5	353-988	1	Plug-Hex, Hollow
5:1	237-79	1	O-Ring
6	88-9190	4	Solenoid Coil Kit
7	95-1601	1	Cartridge-Relief
7:1	95-5645	1	Seal Kit
8	94-6351	1	Cartridge-Relief
8:1	95-5645	1	Seal Kit
9	94-6352	1	Plug-Cavity
9:1	104-7730	1	Seal Kit
10	94-6353	1	Plug-Cavity
10:1	69-4240	1	Seal Kit
11	95-5999	1	Plug-Orifice
12	353-991	9	Plug-Hex, Hollow
12:1	237-156	1	O-Ring
13	353-989	6	Plug-Hex, Hollow
13:1	237-42	1	O-Ring
14	354-70	2	Plug-Hex, Hollow
14:1	237-80	1	O-Ring
15	94-5438	8	Seal-Solenoid

Ref. No.	Part No.	Qty.	Description

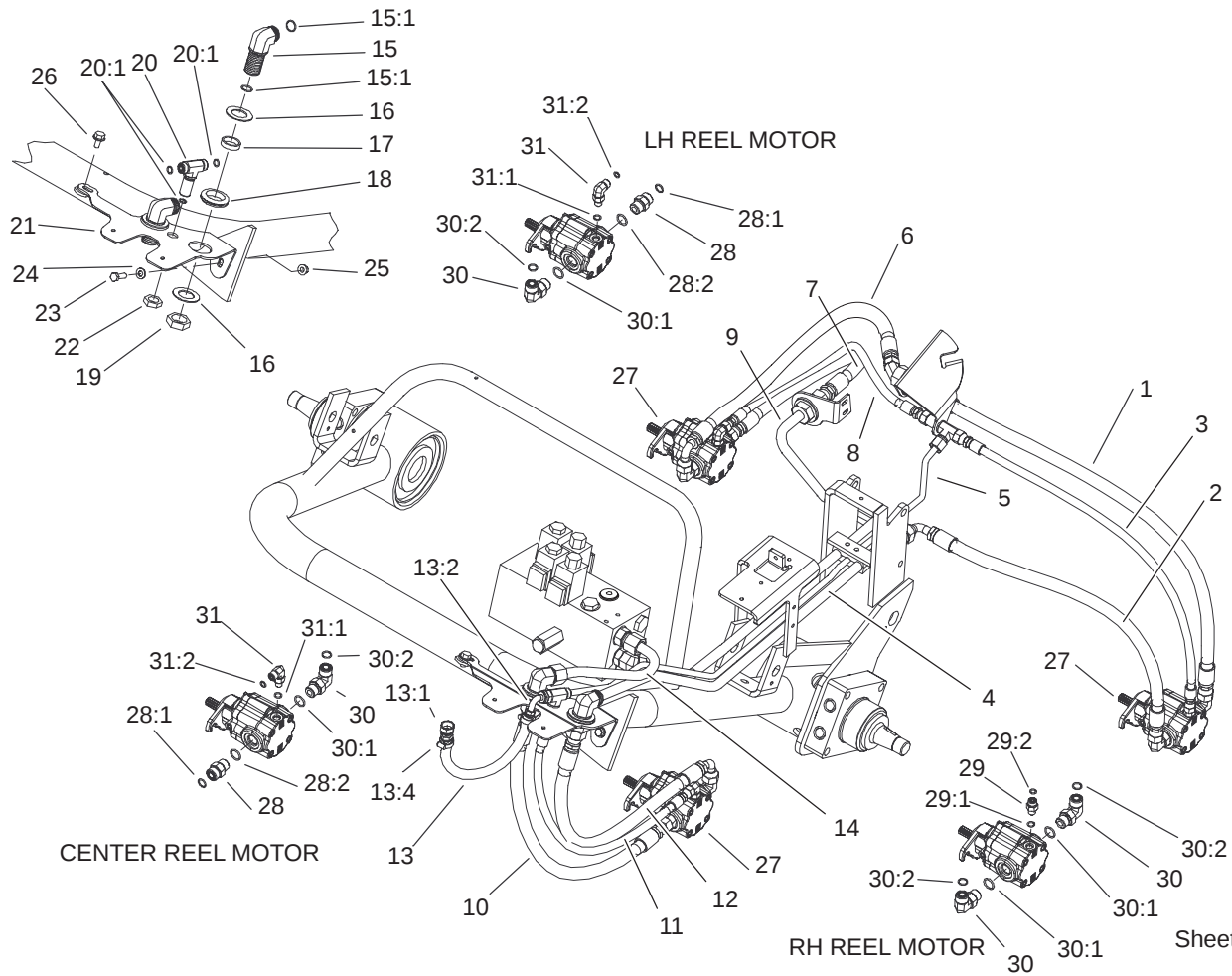


Sheet No.: 25

Hydraulic Traction Assembly

Ref. No.	Part No.	Qty.	Description
1	99-6193	1	Hose ASM
3	105-4342	1	Hose ASM
4	105-4332	1	Hose ASM
5	105-5490	1	Tube-HYD
6	105-5489	1	Tube-HYD
7	105-4333	1	Hose ASM
8	105-4336	1	Hose ASM
9	105-4343	1	Hose ASM
10	240-3	2	Grommet-Rubber
11	69-9010	4	Washer
12	340-74	2	Locknut-Bulkhead
13	69-9000	2	Spacer
14	105-8262-01	1	Bulkhead-Support, Seat
15	322-3	3	Screw-HH
16	3256-23	3	Washer-Flat
17	32128-20	3	Nut-HF
18	94-5350	2	Tee-Bulkhead
18:1	237-65	3	O-Ring
19	3290-378	1	Tie-Cable
20	3290-379	1	Tie-Cable

Ref. No.	Part No.	Qty.	Description



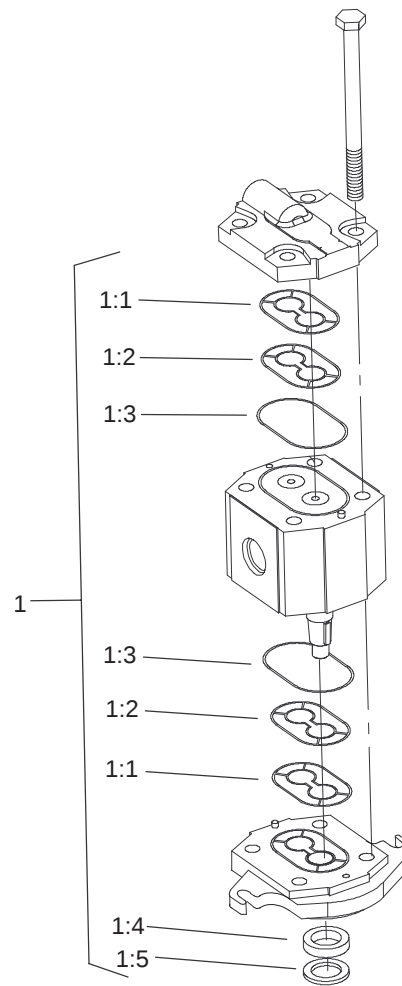
Hydraulic Reel Drive Assembly

Ref. No.	Part No.	Qty.	Description
1	95-2908	1	Hose ASM
2	105-5404	1	Hose ASM
3	105-5405	1	Hose ASM
4	105-5493	1	Tube-HYD
5	105-4327	1	Tube-HYD, Casedrain
6	95-2909	1	Hose ASM
7	105-5407	1	Hose ASM
8	105-5408	1	Hose ASM
9	105-5491	1	Tube-HYD
*9:1	237-58	1	O-Ring
10	105-5400	1	Hose ASM
11	105-5402	1	Hose ASM
12	105-5401	1	Hose ASM
13	105-5409	1	Hose ASM
13:1	105-8311	1	Fitting-HYD
13:2	105-8312	1	Fitting-HYD, 90
13:4	2412-141	2	Clamp-Drive, Worm
14	105-5482	1	Tube-HYD, Manifold/Center Reel
15	340-72	2	Fitting-HYD, Bulkhead, 90°
15:1	237-65	2	O-Ring
16	69-9010	4	Washer
17	69-9000	2	Spacer
18	240-3	2	Grommet-Rubber
19	340-74	2	Locknut-Bulkhead

Ref. No.	Part No.	Qty.	Description
20	105-8281	1	Tee-Bulkhead
20:1	237-22	3	O-Ring
21	105-8253-01	1	Bracket-Bulkhead
22	340-70	1	Nut-Lock
23	322-5	1	Screw-HH
24	3256-23	1	Washer-Flat
25	32128-20	1	Nut-HF
26	32144-14	1	Screw-HWH
27	100-6426	3	HYD Motor ASM
28	340-4	2	Adapter
28:1	237-30	1	O-Ring
28:2	237-79	1	O-Ring
29	340-92	1	Fitting-HYD, Straight
29:1	237-78	1	O-Ring
29:2	237-21	1	O-Ring
30	340-98	4	Fitting-HYD, 90°
30:1	237-79	1	O-Ring
30:2	237-30	1	O-Ring
31	340-132	2	Fitting-HYD, 90°
31:1	237-78	1	O-Ring
31:2	237-21	1	O-Ring

Sheet No.: 26

* Not illustrated



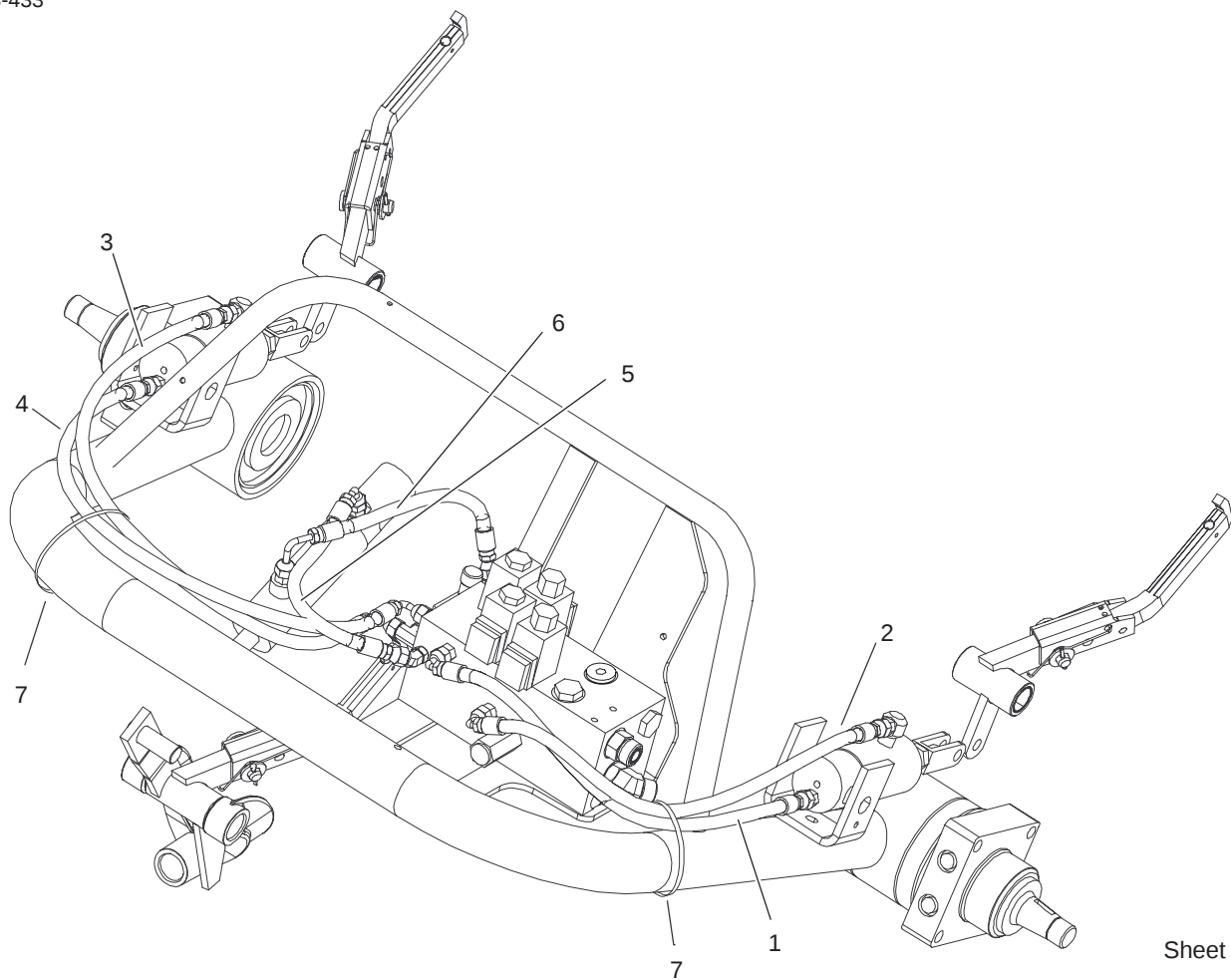
**Parts not listed in
part list are not
serviced separately**

Sheet No.: B2

Reel Motor Assembly No. 100-6426

Ref. No.	Part No.	Qty.	Description
1	105-9758	1	Seal Kit
☆1:1		2	Seal-Extrusion, Anti
☆1:2		2	Seal-Pressure
☆1:3		2	O-Ring
☆1:4		1	Seal-Shaft
☆1:5		1	Washer-Backup

☆ Not serviced separately

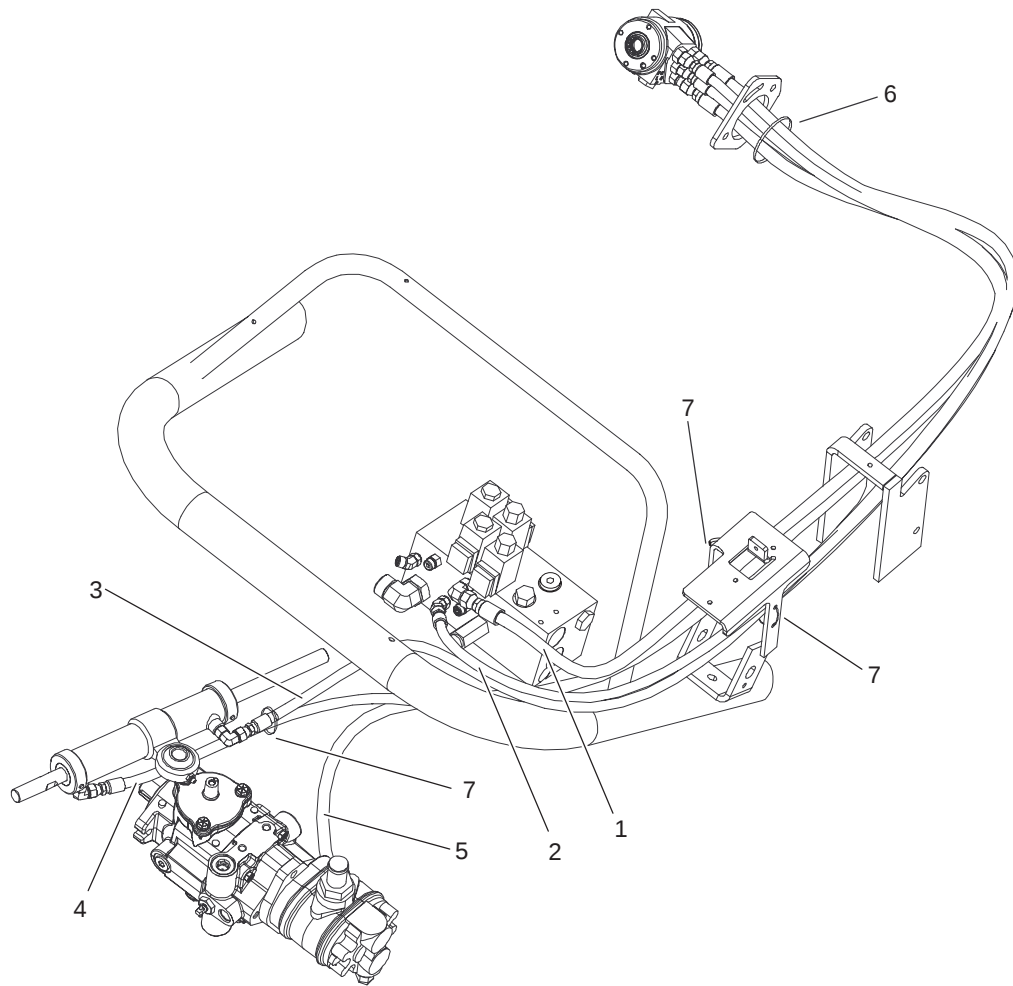


Sheet No.: 27

Hydraulic Lift Assembly

Ref. No.	Part No.	Qty.	Description
1	105-4346	1	Hose ASM
2	105-4347	1	Hose ASM
3	100-3833	1	Hose ASM
4	95-8837	1	Hose ASM
5	105-4344	1	Hose ASM
6	105-4345	1	Hose ASM
7	3290-379	2	Tie-Cable

Ref. No.	Part No.	Qty.	Description

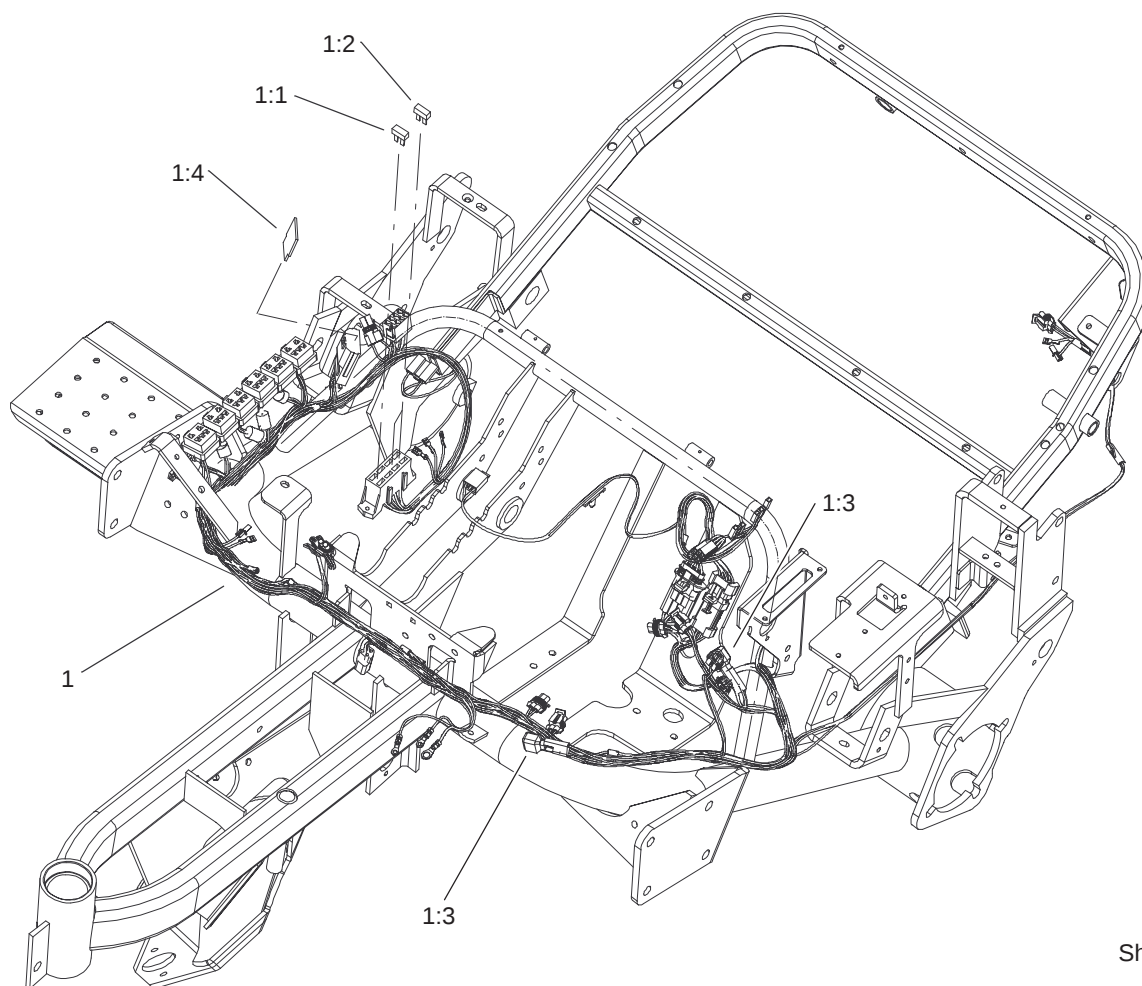


Sheet No.: 28

Hydraulic Steering Assembly

Ref. No.	Part No.	Qty.	Description
1	105-4339	1	Hose ASM
2	105-4338	1	Hose ASM
3	105-4337	1	Hose ASM
4	100-4892	1	Hose ASM
5	105-4340	1	Hose ASM
6	3334-945	1	Tie-Cable
7	3290-378	3	Tie-Cable

Ref. No.	Part No.	Qty.	Description



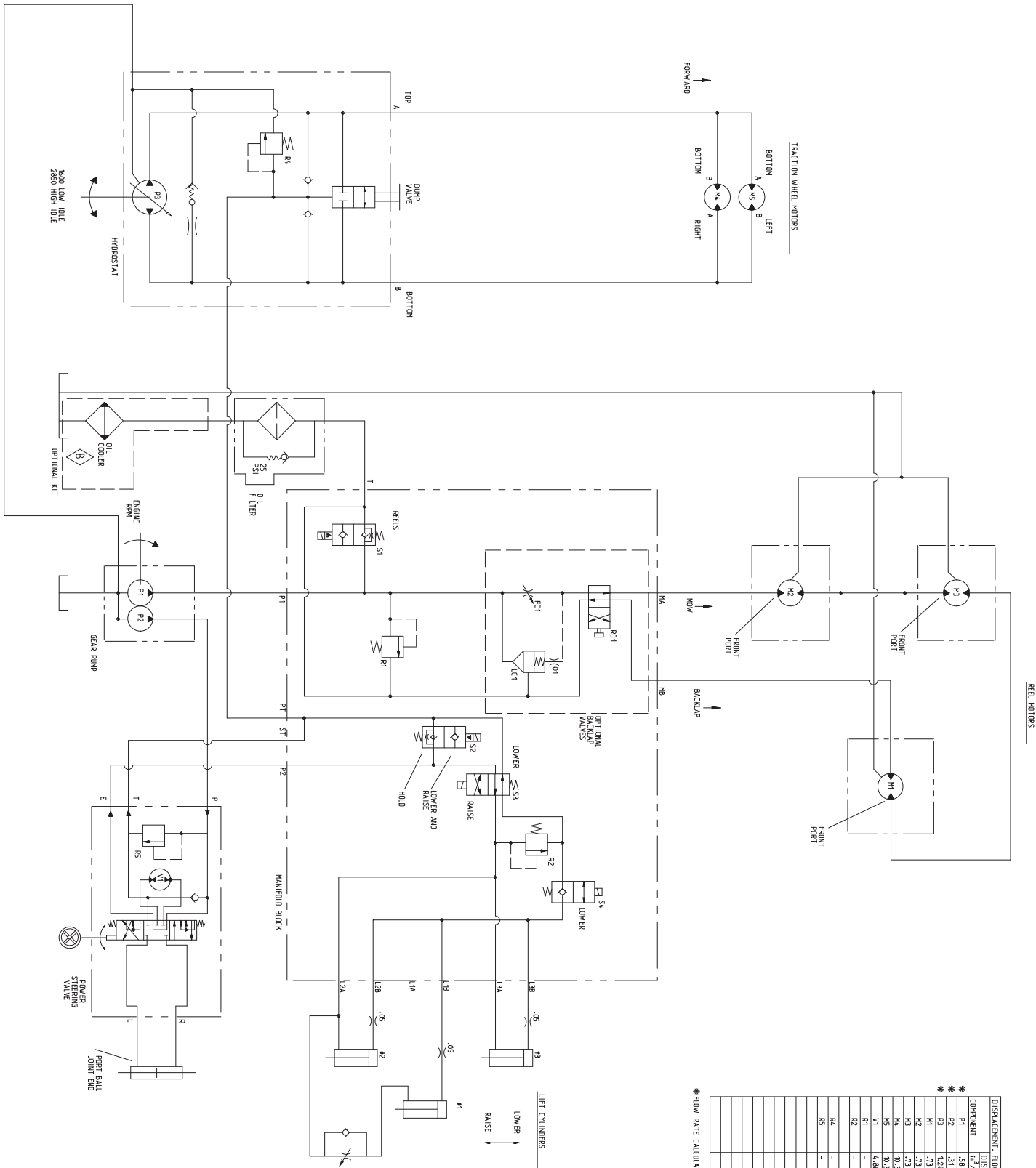
Sheet No.: 30

Wire Harness Routing Assembly

Ref. No.	Part No.	Qty.	Description
1	105-4318	1	Harness-Wire, Gr3150 Main
1:1	218-578	2	Fuse-10 Amp
1:2	109101	1	Fuse-20 Amp
1:3	100-4918	2	Diode
1:4	92-3188	1	Diode-Board, Circuit

Ref. No.	Part No.	Qty.	Description

Hydraulic Schematic

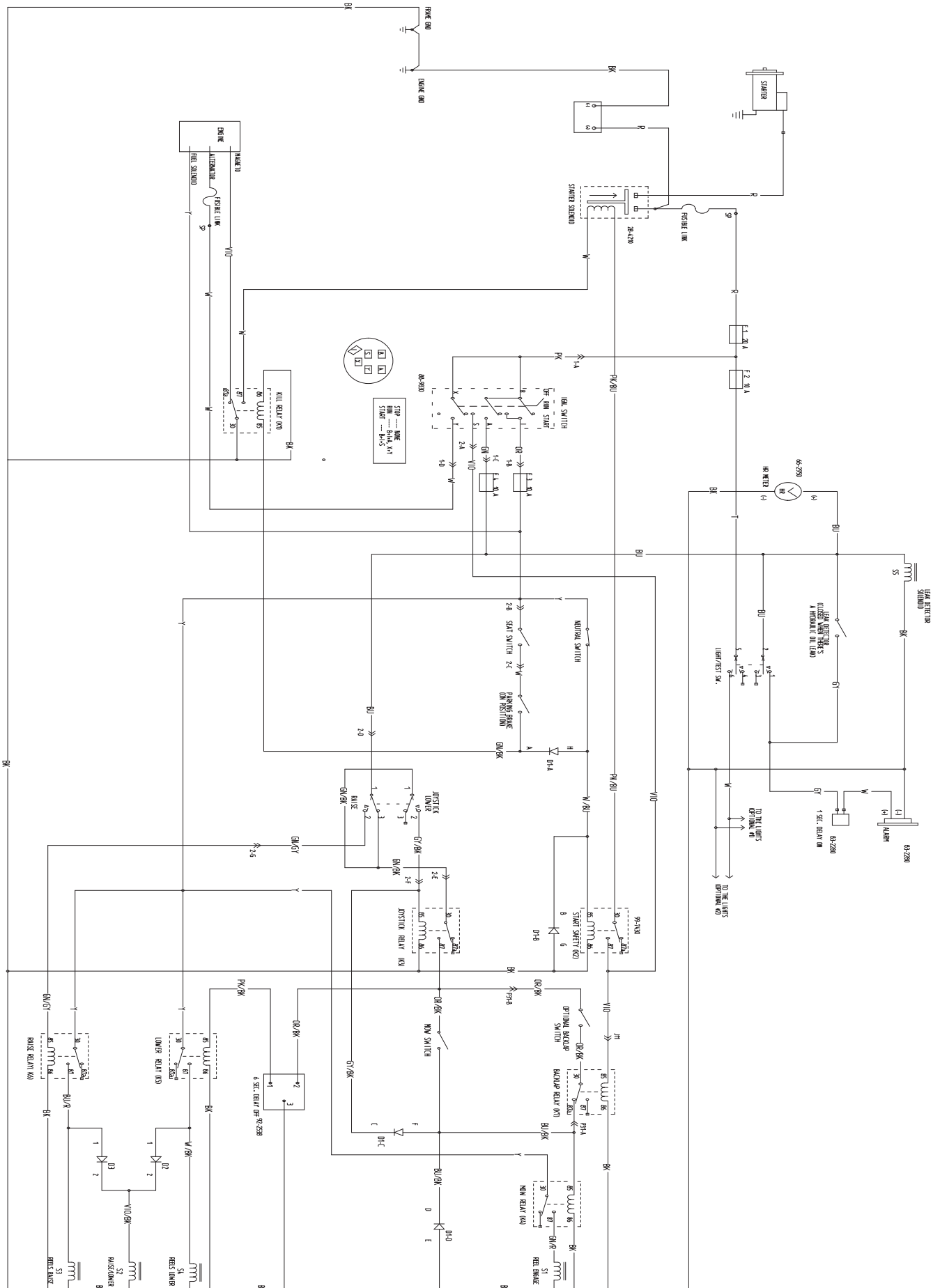


DISPLACEMENT, FLOW RATE, AND PRESSURE CHART

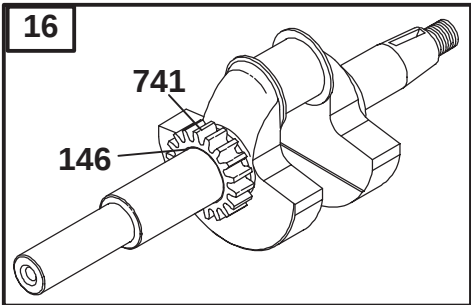
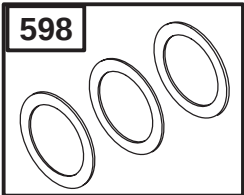
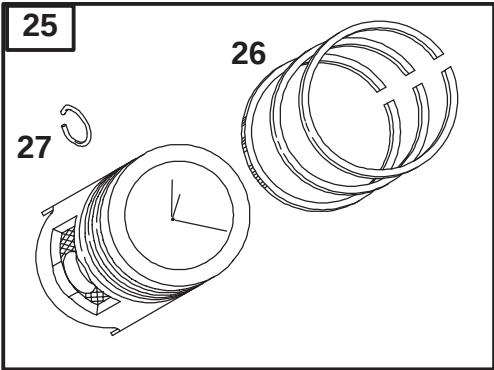
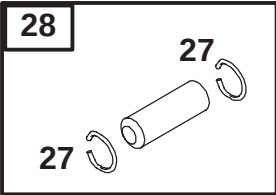
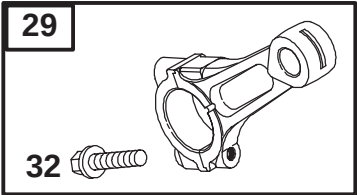
DISPLACEMENT	FLOW RATE	PRESSURE	FLOW RATE
in ³ /rev	cm ³ /rev	bar	gpm
P1	5.0	9.5	6.7
P2	11.6	5.1	13.2
P3	14.4	3.3	16.8
P4	17.3	2.0	20.0
P5	27.3	12.0	32.0
P6	10.3	166.8	12.0
P7	1.46	80	1.66
P8	-	21.00	16.6
P9	-	300	21
P10	-	150	7
P11	-	1150	79

* FLOW RATE CALCULATED AT 2000 RPM AND 90% EFFICIENCY

Electrical Schematic







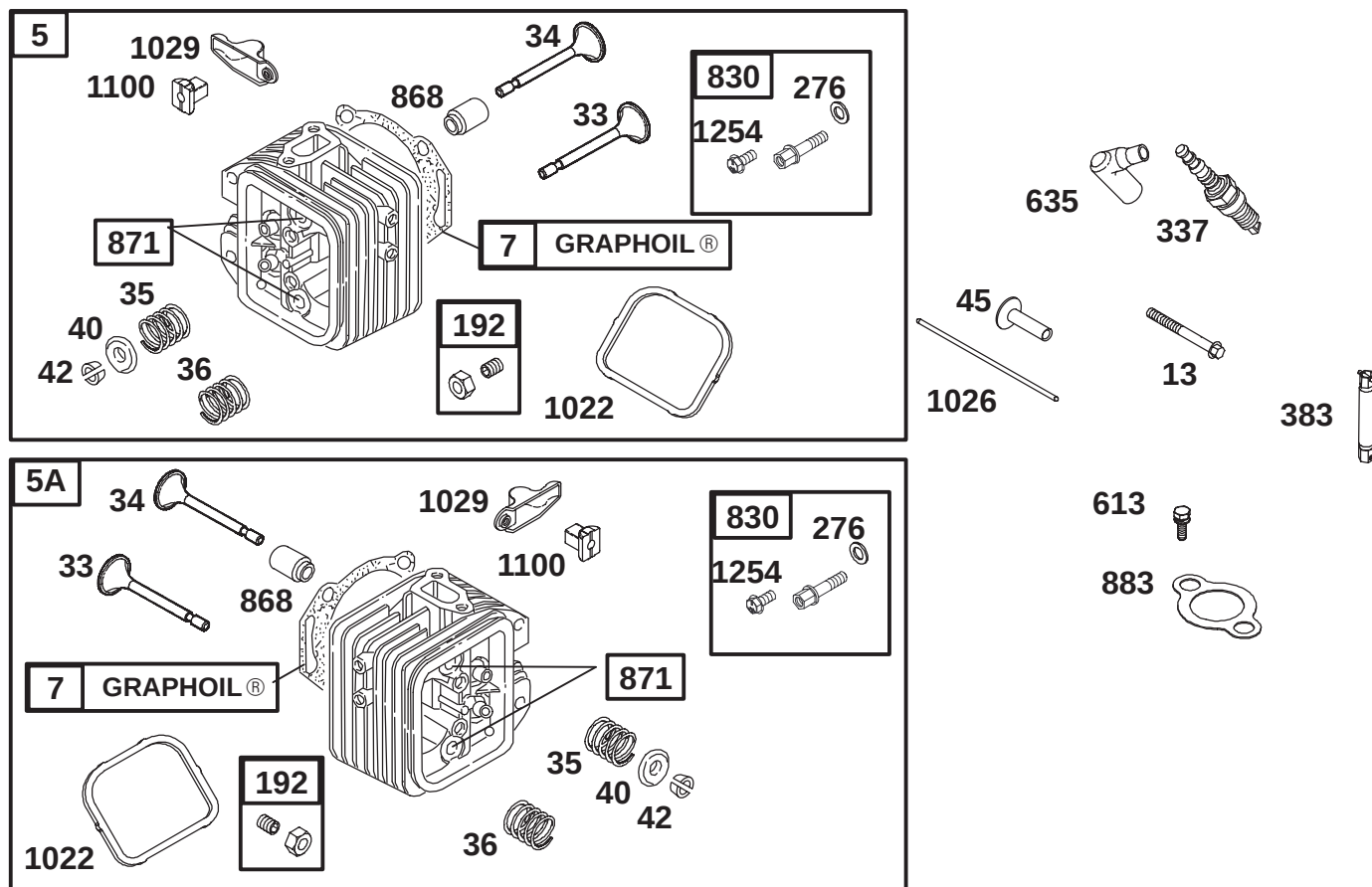
Assemblies include all parts shown in frames.

Crankshaft Assembly

Briggs and Stratton Model 350447-1331-E1

Ref. No.	Part No.	Qty.	Description
16	692171	1	Crankshaft
17	690752	1	Ball Bearing
25	808326	1	Piston Assembly
			(Standard)
	808336	1	Piston Assembly (.010 O.S.)
	808337	1	Piston Assembly (.020 O.S.)
	808338	1	Piston Assembly (.030 O.S.)
26	807889	1	Ring Set (Standard)
	807994	1	Ring Set (.010 O.S.)
	807995	1	Ring Set (.020 O.S.)
	807996	1	Ring Set (.030 O.S.)
27	690683	1	Piston Pin Lock
28	807886	1	Piston Pin (Standard)
29	807900	1	Connecting Rod
			(Standard)
	807803	1	Connecting Rod
			(.020 Undersize)
32	690698	1	Screw
			(Connecting Rod 1 7/8")
46	691557	1	Camshaft

Ref. No.	Part No.	Qty.	Description
146	691639	1	Timing Key
377	808095	1	Woodruff Key
598	807625	1	End Play Shim
741	691530	1	Timing Gear
1025	690689	1	Governor Spool



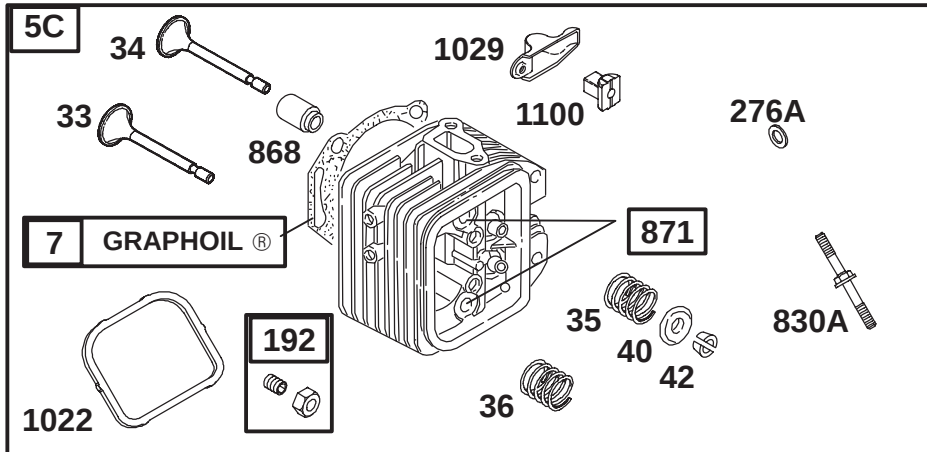
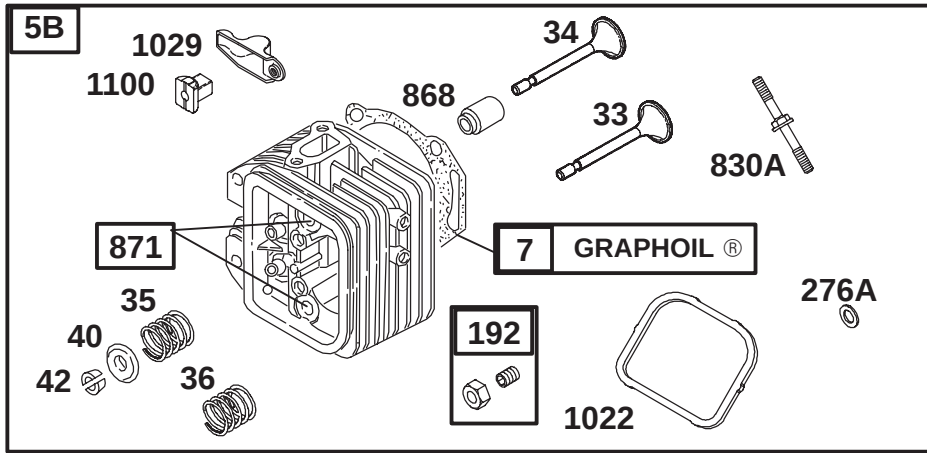
Assemblies include all parts shown in frames.

Cylinder Head Assembly Briggs and Stratton Model 350447-1331-E1

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
5	809185	1	Cylinder Head (No. 1) (Used After Date Code 01120200)	613	691902	1	Screw (Exhaust Manifold)
5A	809186	1	Cylinder Head (No. 2) (Used After Date Code 01120200)	635	692076	1	Sparkplug Boot
Δ★7	690888	1	Cylinder Head Gasket	830	809157	1	Stud (Rocker Arm)
13	692059	1	Screw (Cylinder Head)	868	691963	1	Valve Seal
33	807681	1	Exhaust Valve	871	692057	1	Bushing Guide
34	807680	1	Intake Valve	883	691613	1	Exhaust Gasket
35	692084	1	Valve Spring (Intake)	Δ★1022	806039	1	Rocker Cover Gasket
36	692084	1	Valve Spring (Exhaust)	1026	691836	1	Push Rod (Steel-Intake)
40	692058	1	Valve Retainer		691758	1	Push Rod (Aluminum-Exhaust)
42	807683	1	Valve Retainer	1029	691543	1	Rocker Arm
45	690977	1	Valve Tappet	1100	690973	1	Rocker Arm Pivot
192	807623	1	Rocker Arm Adjuster	1254	807084	1	Screw (Rocker Arm Stud)
276A	807085	1	Sealing Washer				
337	496018	1	Sparkplug				
383	19374	1	Sparkplug Wrench				

Δ Included in Valve Overhaul Gasket Set-Ref. 1095.

★ Included in Engine Gasket Set-Ref. 358.



Assemblies include all parts shown in frames.

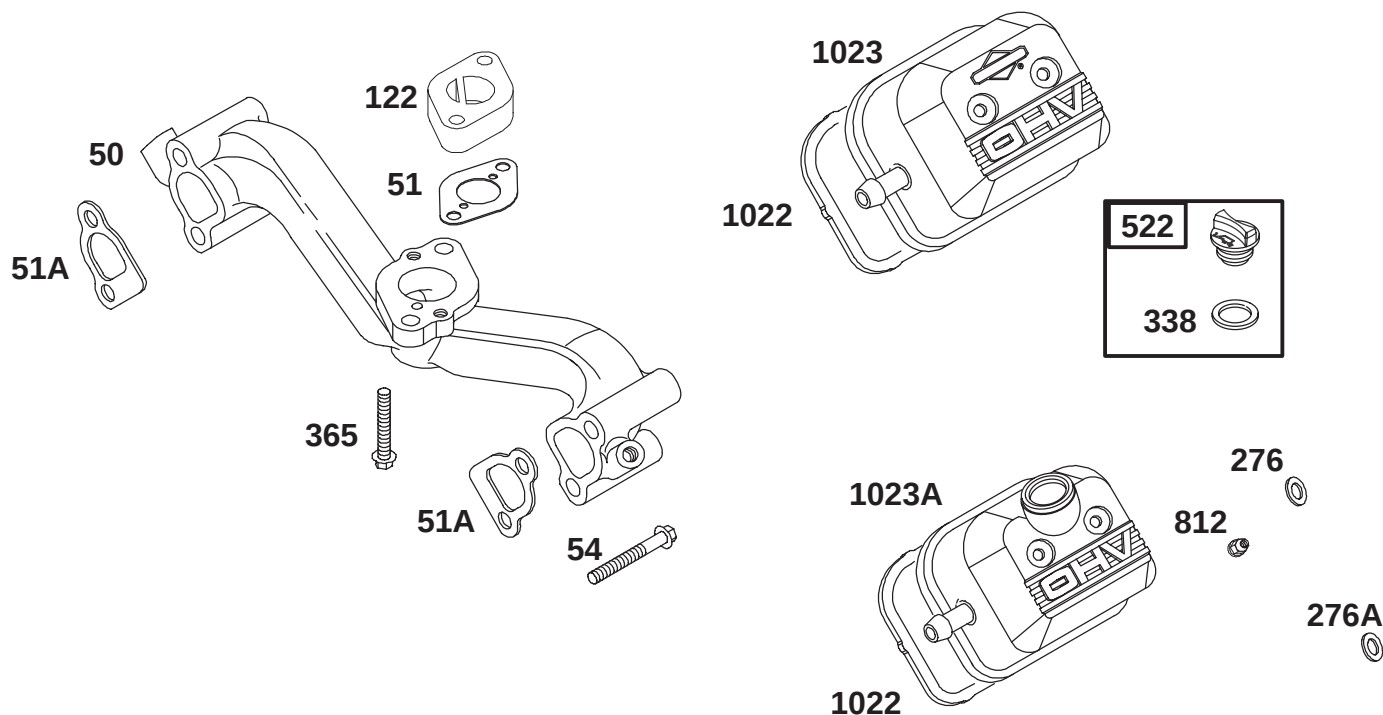
Cylinder Head Assembly Briggs and Stratton Model 350447-1331-E1

Ref. No.	Part No.	Qty.	Description
5B	808383	1	Cylinder Head (No. 1) (Used Before Date Code 01120300)
5C	808384	1	Cylinder Head (No. 2) (Used Before Date Code 01120300)
Δ★7	690888	1	Cylinder Head Gasket
13	692059	1	Screw (Cylinder Head)
33	807681	1	Exhaust Valve
34	807680	1	Intake Valve
35	692084	1	Valve Spring (Intake)
36	692084	1	Valve Spring (Exhaust)
40	692058	1	Valve Retainer
42	807683	1	Valve Retainer
45	690977	1	Valve Tappet
192	807623	1	Rocker Arm Adjuster
276A	691766	1	Sealing Washer (Used Before Date Code 01120300)

Ref. No.	Part No.	Qty.	Description
830A	691544	1	Stud (Rocker Arm) (Used Before Date Code 01120300)
868	691963	1	Valve Seal
871	692057	1	Bushing Guide
Δ★1022	806039	1	Rocker Cover Gasket
1026	691836	1	Push Rod (Steel-Intake)
	691758	1	Push Rod (Aluminum-Exhaust)
1029	691543	1	Rocker Arm
1100	690973	1	Rocker Arm Pivot

Δ Included in Valve Overhaul Gasket Set-Ref. 1095.

★ Included in Engine Gasket Set-Ref. 358.



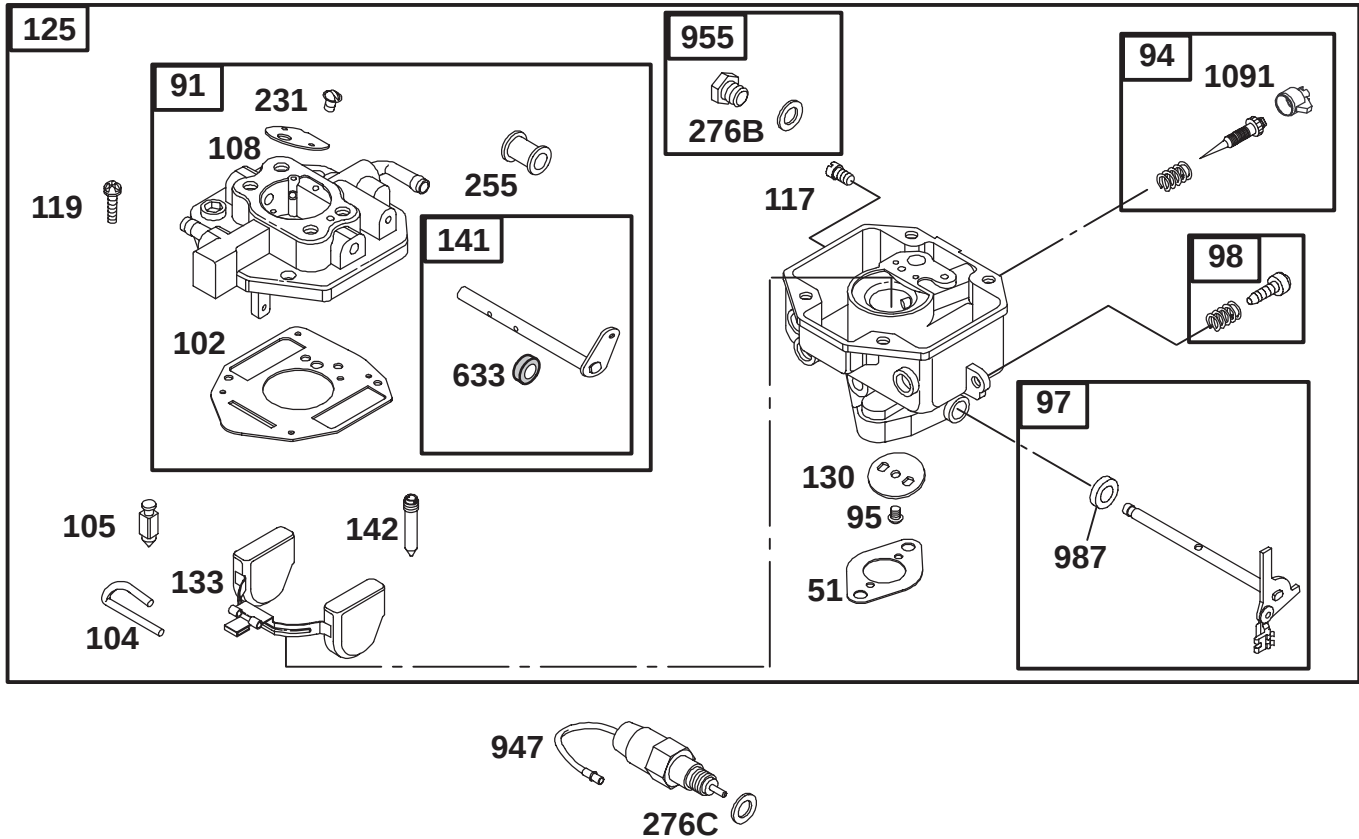
Assemblies include all parts shown in frames.

Intake Manifold and Rocker Cover Assembly Briggs and Stratton Model 350447-1331-E1

Ref. No.	Part No.	Qty.	Description
50	690754	1	Intake Manifold
★51	691694	1	Intake Gasket
△★51A	692035	1	Intake Gasket
54	690676	1	Screw (Intake Manifold)
122	690691	1	Carburetor Spacer
276	807085	1	Sealing Washer (Used After Date Code 01120200)
276A	691766	1	Sealing Washer (Used Before Code Date 01120300)
338	691312	1	Dipstick Gasket
365	690711	1	Screw (Carburetor)
522	491832	1	Dipstick/Fill Plug
812	692055	1	Nut (Rocker Arm Cover) (Used Before Code Date 01120300)
△★1022	806039	1	Rocker Cover Gasket
1023	691494	1	Rocker Cover
1023A	690910	1	Rocker Cover

Δ Included in Valve Overhaul Gasket Set-Ref. 1095.

★ Included in Engine Gasket Set-Ref. 358.



Assemblies include all parts shown in frames.

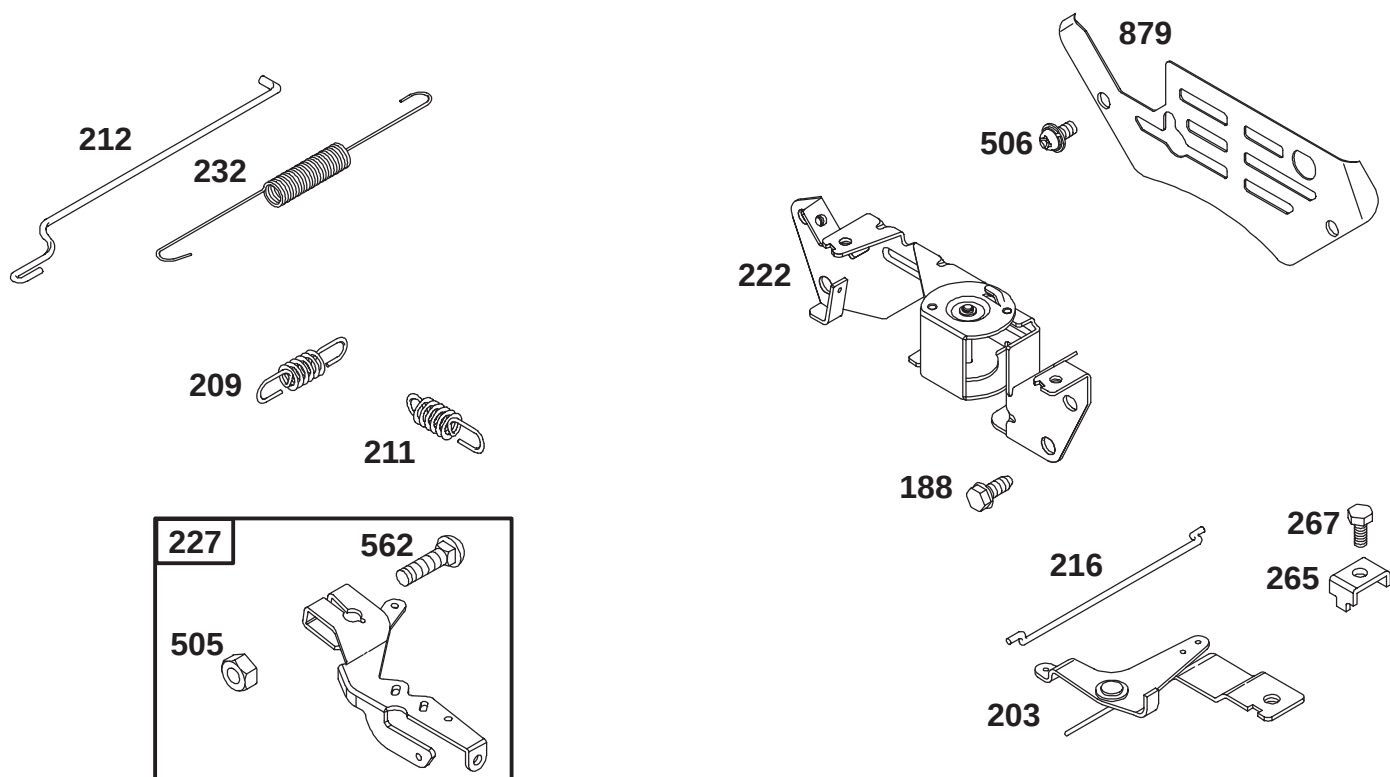
Carburetor Assembly Briggs and Stratton Model 350447-1331-E1

Ref. No.	Part No.	Qty.	Description
★51	691694	1	Intake Gasket
91	809208	1	Upper Carburetor Body
●94	808257	1	Idle Mixture Kit
●95	690718	1	Screw (Throttle Valve)
97	808973	1	Throttle Shaft Kit
98	808981	1	Idle Speed Kit
●102	692077	1	Carburetor Body Gasket
●104	690723	1	Float Hinge Pin
●105	692078	1	Float Needle Valve
108	690719	1	Choke Valve
109	809096	1	Choke Shaft
●117	808406	1	Main Jet (Standard)
119	690720	1	Screw (Upper to Lower Carburetor Body)
125	809209	1	Carburetor
130	690726	1	Throttle Valve
133	806961	1	Carburetor Float
●142	690725	1	Carburetor Nozzle
●231	690718	1	Screw (Choke Valve)
●255	690721	1	Choke Shaft Bushing
●276B	690724	1	Sealing Washer
276C	806137	1	Sealing Washer
●633	690722	1	Choke/Throttle Shaft

Ref. No.	Part No.	Qty.	Description
947	692094	1	Seal
955	807723	1	Fuel Solenoid
●987	806131	1	Carburetor Plug
●1091	691516	1	Throttle Shaft Seal
		1	Limiter Cap

● Included in Carburetor Overhaul Kit-Ref. 121.

★ Included in Engine Gasket Set-Ref. 358.



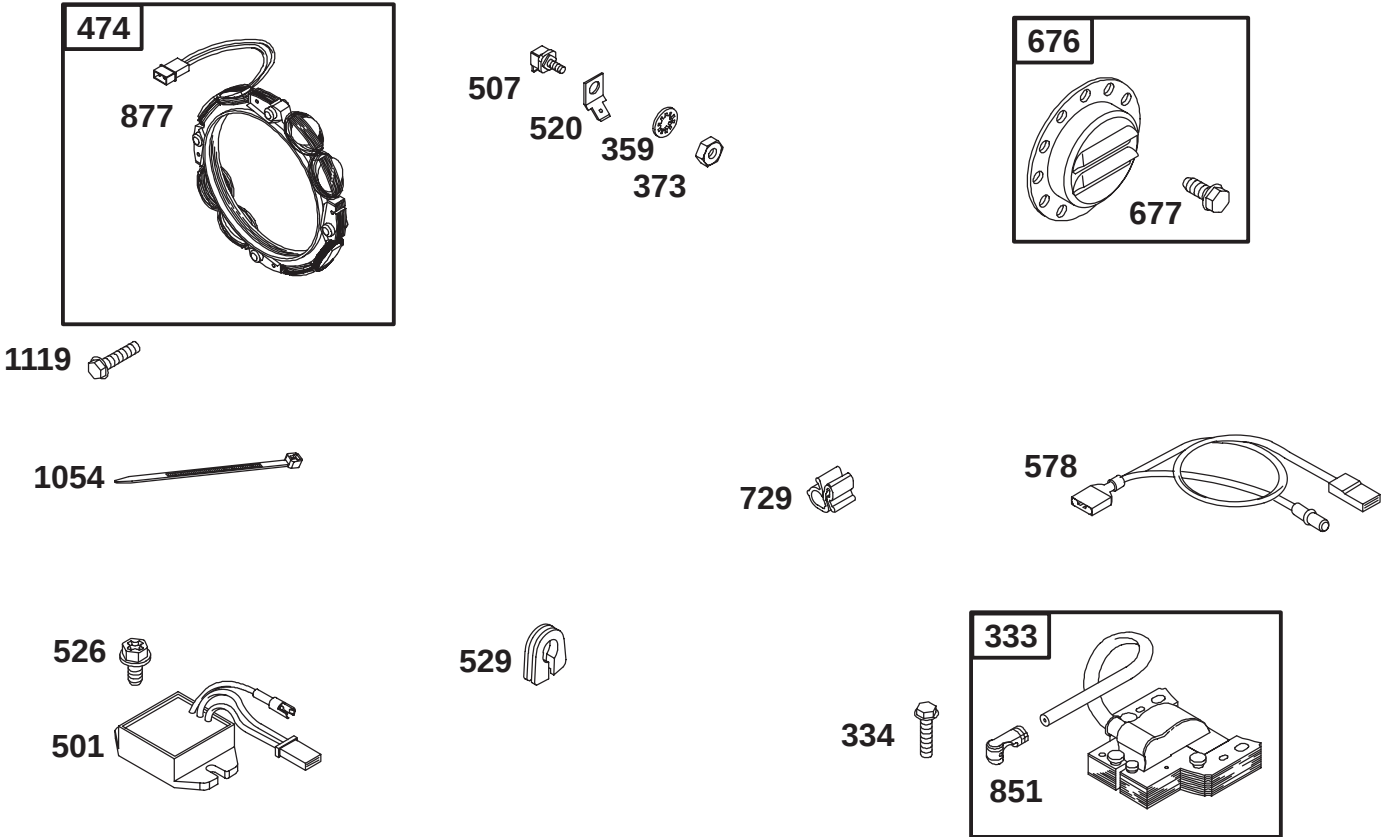
Assemblies include all parts shown in frames.

Governor Assembly
Briggs and Stratton Model 350447-1331-E1

Ref. No.	Part No.	Qty.	Description
188	692056	1	Screw (Control Bracket)
203	690923	1	Bell Crank
209	806872	1	Governor Spring
211	806868	1	Governed Idle Spring
	692068	1	Governed Idle Spring (Secondary)
212	690712	1	Throttle Link
216	690705	1	Choke Link
222	808454	1	Control Bracket
227	690236	1	Governor Control Lever
232	692073	1	Governor Link Spring
265	691024	1	Casing Clamp
267	692083	1	Screw (Casing Clamp)
505	690238	1	Nut (Governor Control Lever)
506	690677	1	Screw (Carburetor Cover)
562	690239	1	Bolt (Governor Control Lever)
879	690757	1	Carburetor Cover

Ref. No.	Part No.	Qty.	Description

★ Included in Engine Gasket Set-Ref. 358.

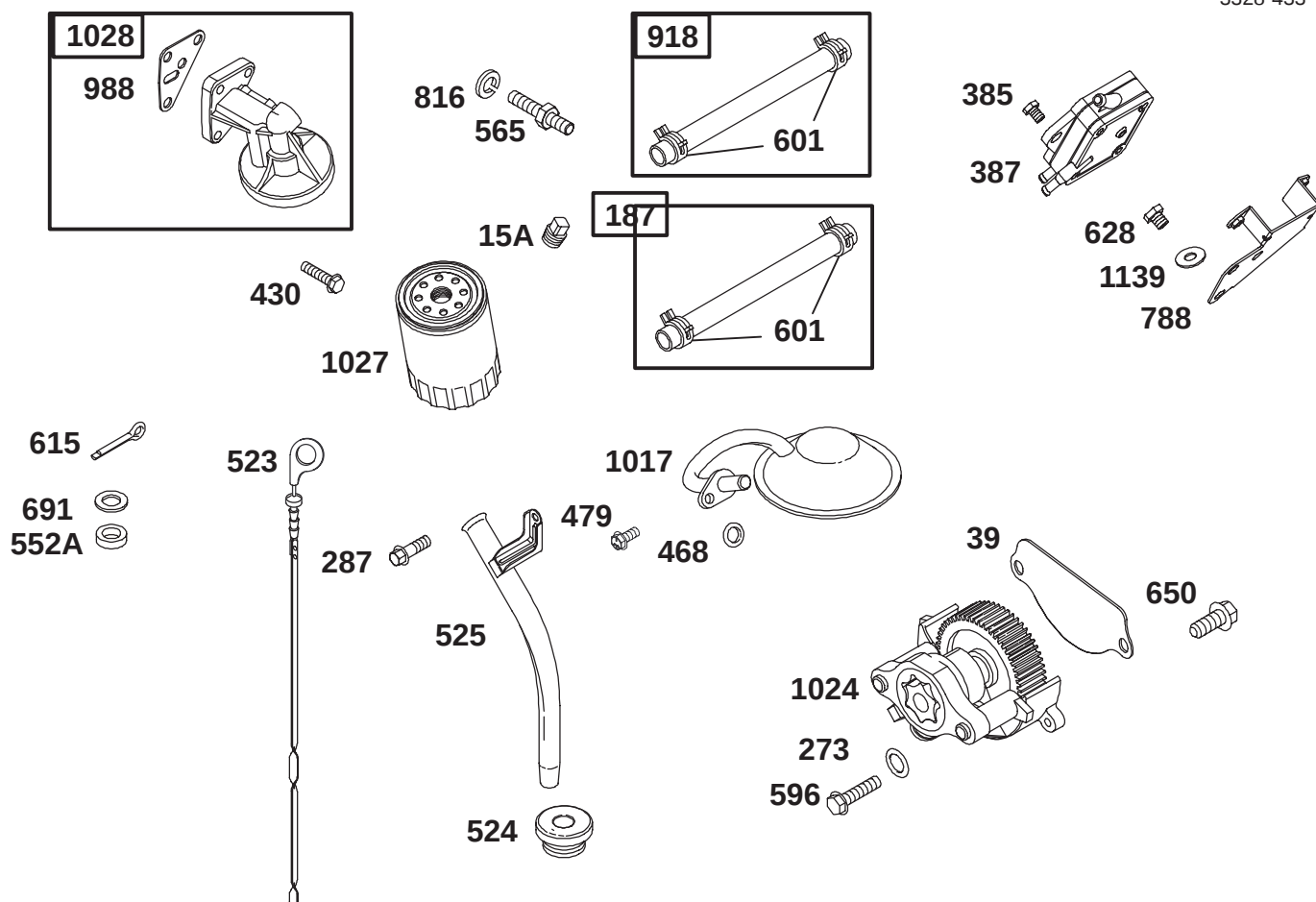


Assemblies include all parts shown in frames.

Alternator Assembly

Briggs and Stratton Model 350447-1331-E1

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
333	492341	1	Magneto Armature				
334	692066	1	Screw (Magneto Armature)				
359	691077	1	Washer (Ground Terminal)				
373	691612	1	Nut (Ground Terminal)				
474	696458	1	Alternator				
501	691185	1	Regulator				
507	691972	1	Insulator				
520	691084	1	Ground Terminal				
526	692067	1	Screw (Regulator)				
529	690744	1	Grommet				
578	692319	1	Wire Assembly				
676	397630	1	Muffler Deflector				
677	690661	1	Screw (Muffler Deflector)				
729	690586	1	Wire Clip				
851	493880	1	Sparkplug Terminal				
877	399916	1	Alternator Harness				
1054	280275	1	Cable Tie				
1119	691552	1	Screw (Alternator)				

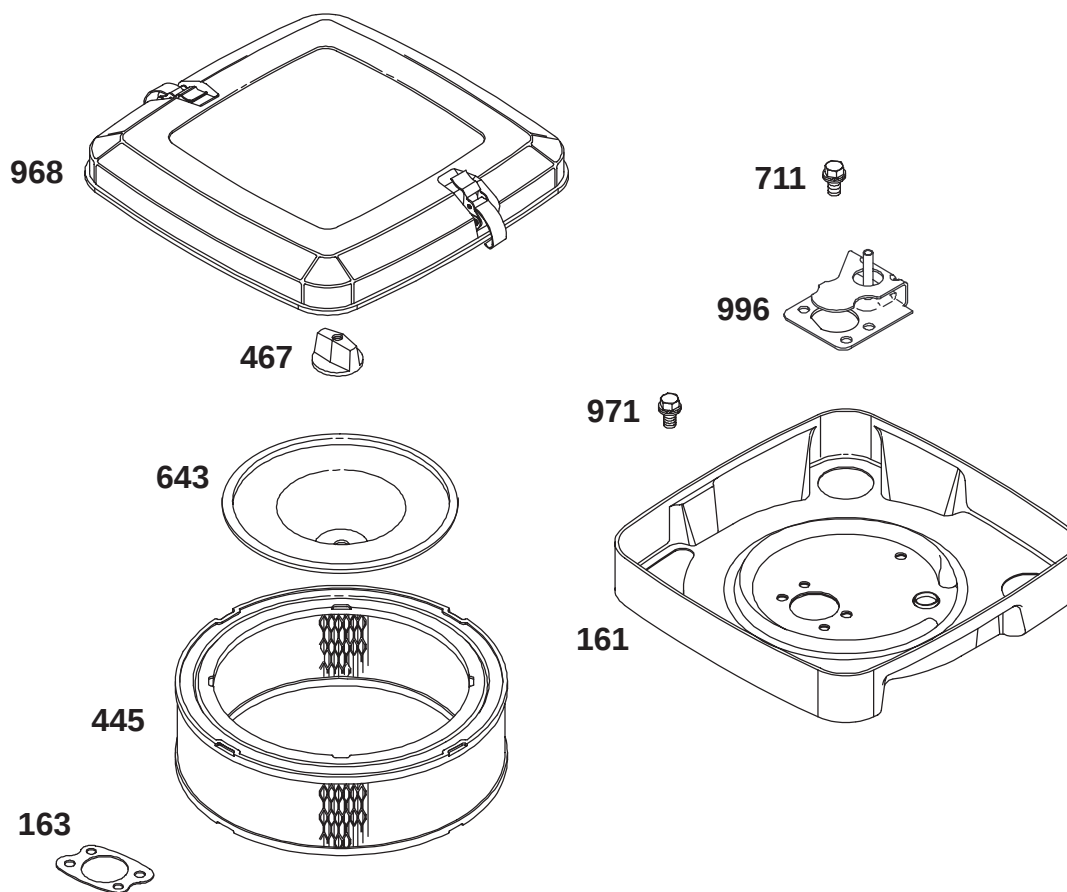


Assemblies include all parts shown in frames.

Fuel Pump, Oil Pump and Dipstick Assembly Briggs and Stratton Model 350447-1331-E1

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
15A	690283	1	Oil Drain Plug	628	692062	1	Retainer
39	690745	1	Oil Deflector	650	692539	1	Screw (Pump Bracket)
187	691050	1	Fuel Line (Cut to Required Length)	691	690680	1	Screw (Oil Deflector)
★273	690681	1	O-Ring Seal (Oil Pump)	788	691559	1	Governor Shaft Seal
287	692062	1	Screw (Dipstick Tube)	816	690706	1	Pump Bracket
385	693169	1	Screw (Fuel Pump)	918	393815	1	Washer (Oil Filter)
387	808969	1	Fuel Pump	★988	692063	1	Vacuum Hose
430	690679	1	Bolt (Oil Pump)	1017	690900	1	Oil Adapter Gasket
★468	690690	1	O-Ring Seal (Oil Pump Screen)	1024	693185	1	Oil Pump Screen
479	807084	1	Screw (Oil Pump Screen)	1027	492932	1	Oil Pump
523	693175	1	Dipstick	1028	808235	1	Oil Filter
524	693172	1	Dipstick Tube Seal	1139	806497	1	Oil Filter Adapter
525	693174	1	Dipstick Tube				Washer (Fuel Pump Bracket)
552A	690701	1	Governor Crank Bushing				
565	690682	1	Stud (Oil Filter)				
596	691492	1	Screw (Oil Pump)				
601	691038	1	Hose Clamp				
615	691550	1	Governor Shaft				

★ Included in Engine Gasket Set-Ref. 358.



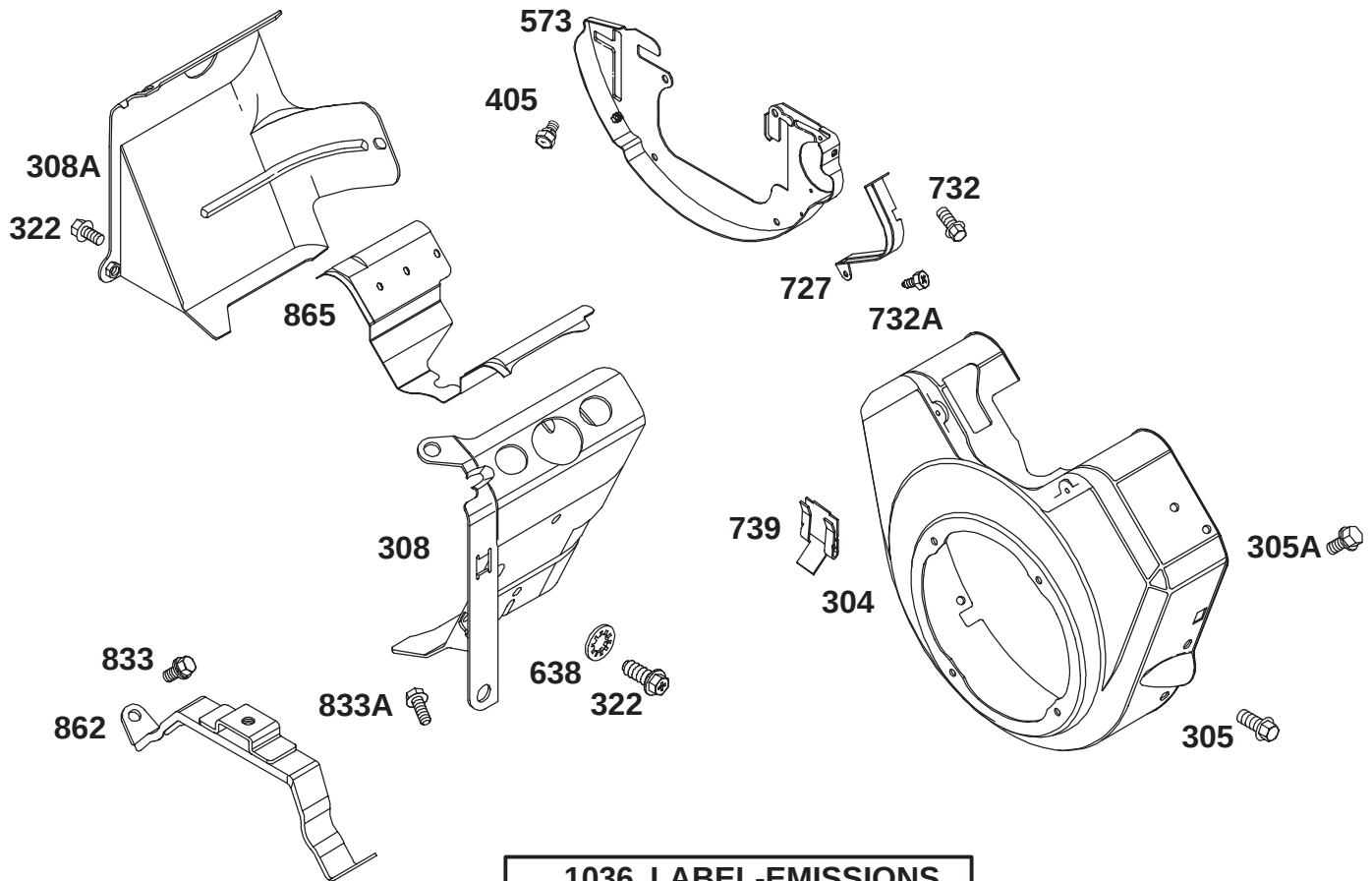
Assemblies include all parts shown in frames.

Air Cleaner Assembly

Briggs and Stratton Model 350447-1331-E1

Ref. No.	Part No.	Qty.	Description
161	691561	1	Air Cleaner Base
163	692081	1	Air Cleaner Gasket
445	394018	1	Air Cleaner Cartridge Filter
467	691985	1	Air Cleaner Knob
643	692079	1	Air Filter Retainer
711	692539	1	Screw (Carburetor Shield)
968	692097	1	Air Cleaner Cover
971	692537	1	Screw (Air Cleaner Base)
996	691577	1	Carburetor Shield

Ref. No.	Part No.	Qty.	Description

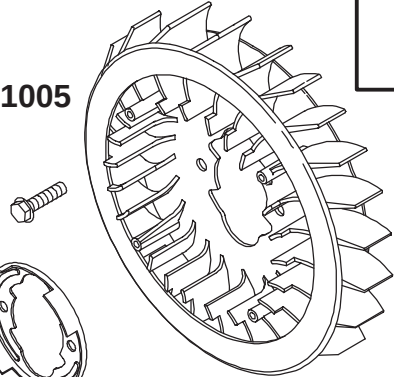
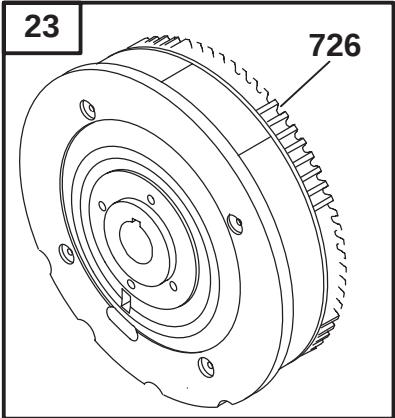
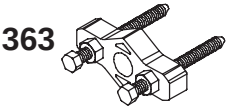
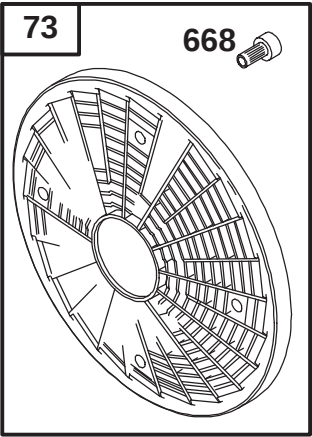

1036 LABEL-EMISSIONS

Assemblies include all parts shown in frames.

Blower Housing Assembly Briggs and Stratton Model 350447-1331-E1

Ref. No.	Part No.	Qty.	Description
304	690929	1	Blower Housing
305	692539	1	Screw (Blower Housing)
305A	692056	1	Screw (Blower Housing)
308	806547	1	Cylinder Head Cover (Cylinder #1)
308A	806546	1	Cylinder Head Cover (Cylinder #2)
322	692539	1	Screw (Cylinder Head Cover)
405	807163	1	Screw (Back Plate)
573	690902	1	Back Plate
638	691551	1	Washer (Cylinder Head Cover)
727	690714	1	Starter Drive Cover
732	692539	1	Screw (Starter Drive Cover)
732A	690688	1	Screw (Starter Drive Cover)
739	690451	1	Debris Clip
833	692539	1	Screw (Cleaner Mounting Strap)
833A	690872	1	Screw (Cleaner

Ref. No.	Part No.	Qty.	Description
862	692153	1	Mounting Strap)
865	690750	1	Cleaner Mounting Strap
1036	806885	1	Air Guide Cover
			Emissions Label

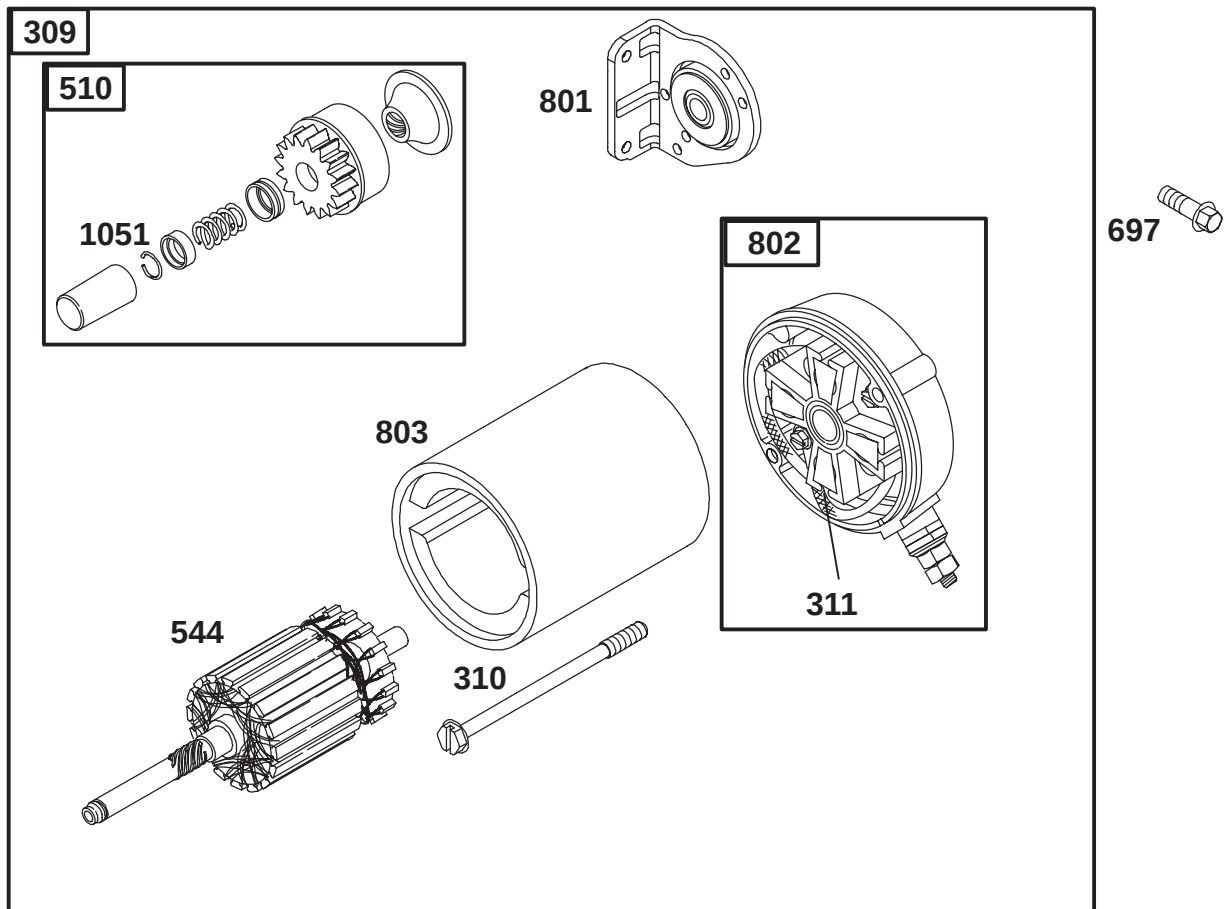


Assemblies include all parts shown in frames.

Flywheel Assembly
Briggs and Stratton Model 350447-1331-E1

Ref. No.	Part No.	Qty.	Description
23	808768	1	Flywheel
73	494439	1	Rotating Screen
74	691647	1	Screw (Rotating Screen)
332	690887	1	Nut (Flywheel)
363	19203	1	Flywheel Puller
668	691500	1	Spacer
726		1	Ring Gear (Sold in Flywheel Kit Only, See Ref. 23)
934	691058	1	Screw (Fan Retainer)
1005	690911	1	Flywheel Fan
1006	690452	1	Fan Retainer

Ref. No.	Part No.	Qty.	Description

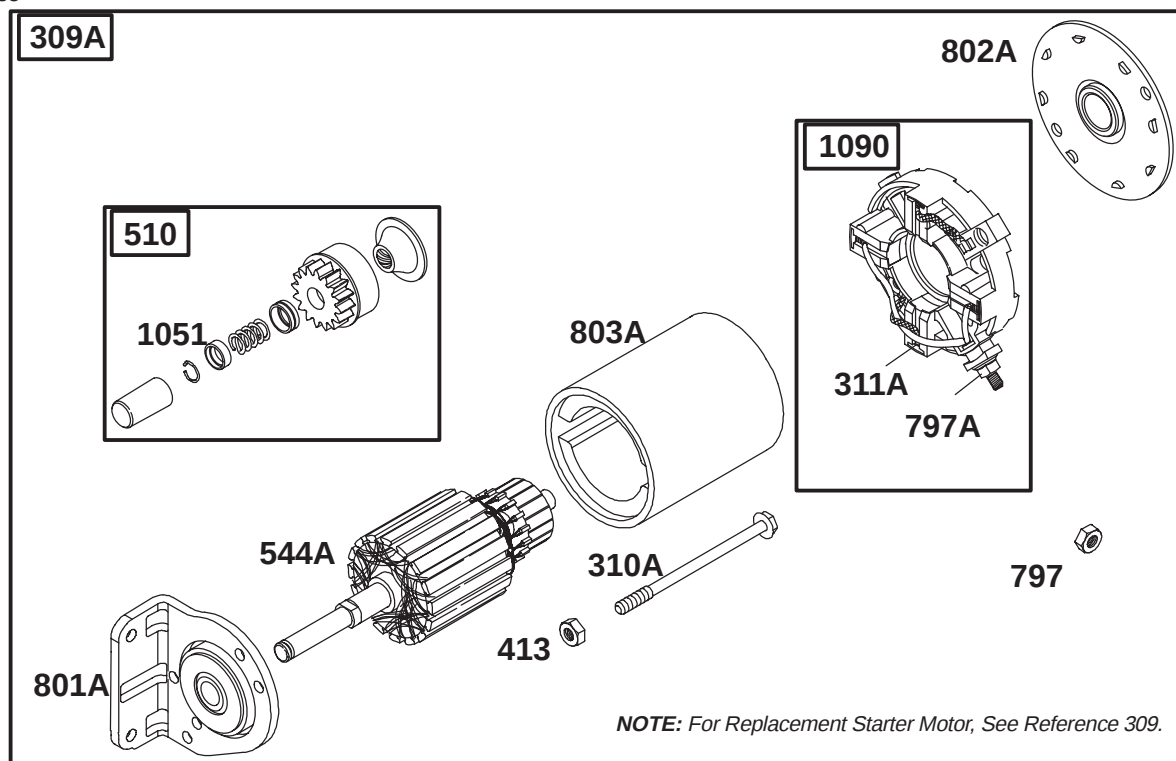


Assemblies include all parts shown in frames.

Starter Assembly

Briggs and Stratton Model 350447-1331-E1

Ref. No.	Part No.	Qty.	Description
309	691564		Starter Motor
310	496880	1	Screw (Starter Housing)
311	496887	1	Brush Set
510	496881	1	Starter Drive
544	690855	1	Starter Armature
697	692062	1	Screw (Drive Cap)
801	808778	1	Drive Cap
802	496813	1	End Cap
803	690854	1	Starter Housing
1051	691124	1	Ring-Retaining



Assemblies include all parts shown in frames.

Starter Assembly

Briggs and Stratton Model 350447-1331-E1

Ref. No.	Part No.	Qty.	Description
309A			Starter Motor (For Replacement Starter Motor, See Ref. 309)
310A	690323	1	Screw (Starter Motor)
311A	497608	1	Brush Set
413	693587	1	Nut (Starter Motor)
510	496881	1	Starter Drive
544A	693548	1	Starter Armature
797	691029	1	Nut (Starter Cable)
797A	693167	1	Nut (Starter Cable)
801A	808777	1	Drive Cap
802A	691286	1	End Cap
803A	693547	1	Starter Housing
1051	691124	1	Ring-Retaining
1090	691293	1	Brush Retainer

Ref. No.	Part No.	Qty.	Description

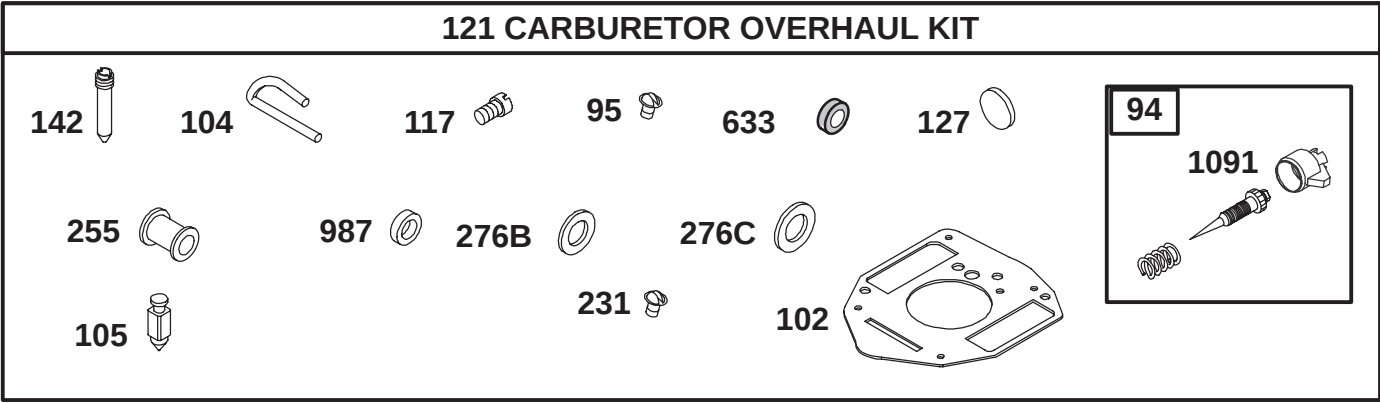
Gasket Assembly

Briggs and Stratton Model 350447-1331-E1

Ref. No.	Part No.	Qty.	Description
★3	805101	1	Oil Seal
Δ★7	690888	1	Cylinder Head Gasket
★9	807688	1	Breather Gasket
★12	691684	1	Crankcase Gasket
★20	805049	1	Oil Seal
★51	691694	1	Intake Gasket
★51A	692035	1	Intake Gasket
★273	690681	1	O Ring Seal (Oil Pump)
Δ★276A	691766	1	Sealing Washer
358	808389	1	Engine Gasket Set
★439	692154	1	O-Ring Seal (Crankcase Cover)
★468	690960	1	O Ring Seal (Oil Pump Screen)
Δ★883	691613	1	Exhaust Gasket
★988	692063	1	Oil Adapter Gasket
Δ★1022	806039	1	Rocker Cover Gasket
1095	808391	1	Valve Gasket Set

Ref. No.	Part No.	Qty.	Description

57



Assemblies include all parts shown in frames.

Carburetor Overhaul Kit Assembly

Briggs and Stratton Model 350447-1331-E1

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
●94	808257	1	Idle Mixture Kit				
●95	690718	1	Screw (Throttle Valve)				
●102	692077	1	Carburetor Body Gasket				
●104	690723	1	Float Hinge Pin				
●105	692078	1	Float Needle Valve				
●117	806126	1	Main Jet				
121	808395	1	Carburetor Overhaul Kit				
●127	690727	1	Welch Plug				
●142	806128	1	Carburetor Nozzle				
●231	690718	1	Screw (Choke Valve)				
●255	690721	1	Choke Shaft Bushing				
●276B	690724	1	Sealing Washer				
●276C	806137	1	Sealing Washer				
●633	690722	1	Choke/Throttle Shaft Seal				
●987	806131	1	Throttle Shaft Seal				
●1091	691516	1	Limiter Cap				

● Included in Carburetor Overhaul Kit-Ref. 121.

Maintenance Record

[illegible]

