



Greensmaster® 3050

Two Wheel Drive Traction Unit

Model No. 04351—220000001 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.

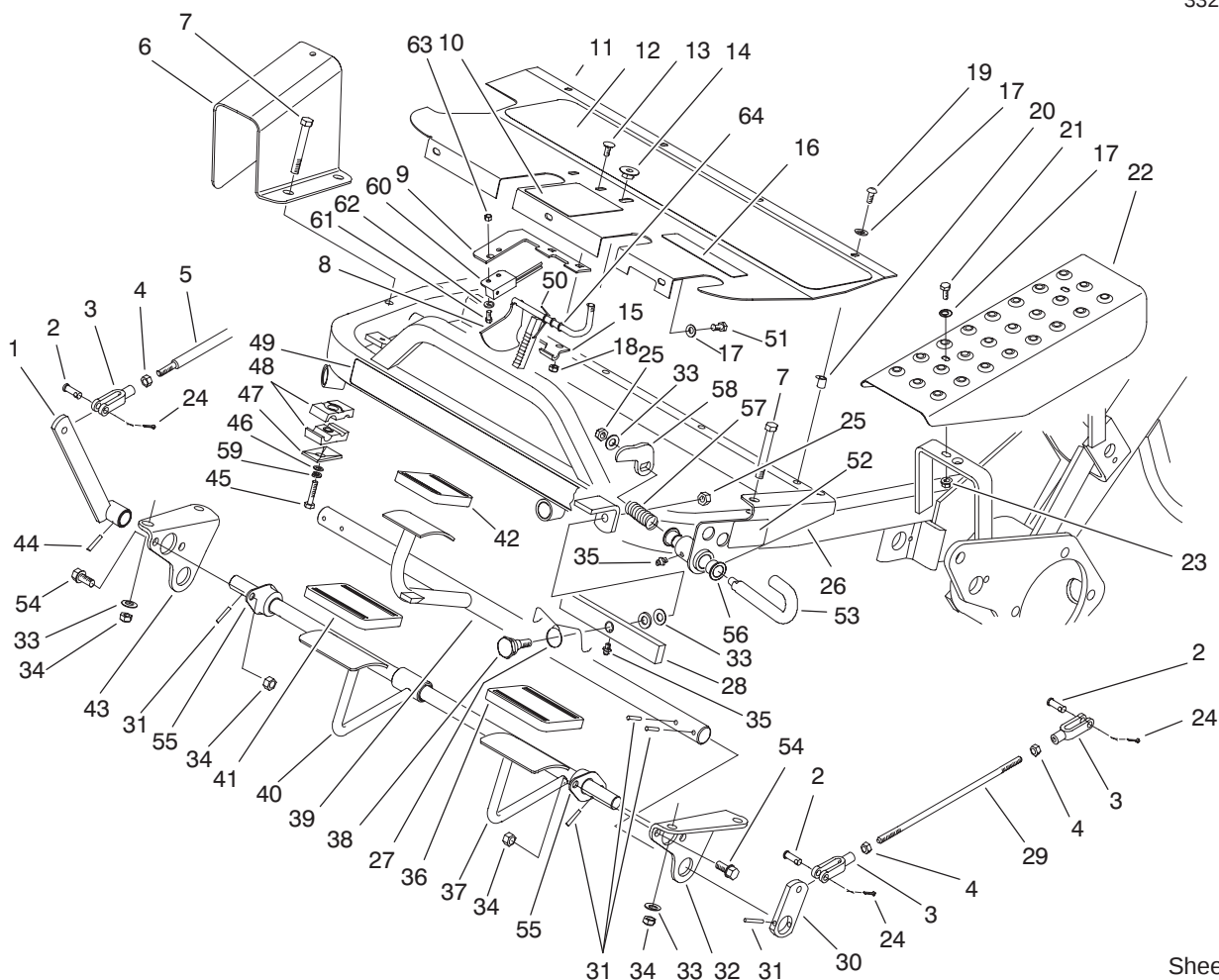
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Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

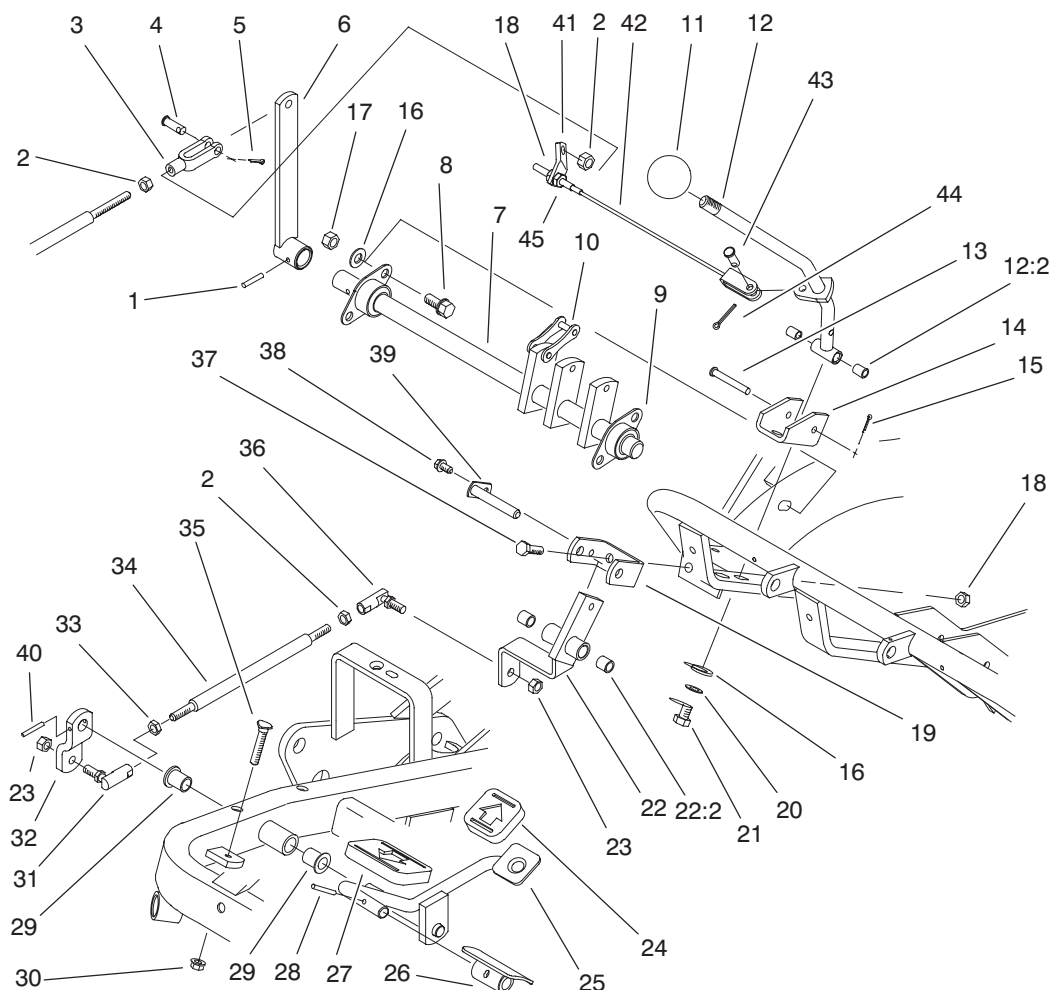
Abbreviation	Meaning	Abbreviation	Meaning
AR	as required	HYD	hydraulic
ASM	assembly	INC	incorporated
CARR	carriage	LH	left hand
DEG	degrees	NI	nylon insert
FH	flat head	PPH	Phillips pan head
GA	gauge	PTH	Phillips truss head
HF	hex flange	PTO	power take off
HH	hex head	RH	right hand
HHF	hex head flange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



Sheet No.:2

Control Pedal Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	49-6200-01	1	Lever-Cutting	27	83-0080	1	Spring-Pivot, Lift
2	283-61	5	Pin-Yoke	28	83-0060	1	Lift-Pivot
3	282-2	5	Yoke	29	27-2270	2	Rod-Adjustment, Brake
4	3220-2	5	Nut	30	10-8100-01	2	Strap-Shaft, Brake
5	49-5430	1	Rod-Control	31	32121-35	8	Pin-Roll
6	49-6110-01	1	Guard	32	88-9640-01	1	Bracket-Lift Pivot, LH
7	323-13	4	Screw-HH	33	3256-24	7	Washer-Flat
8	100-9819	1	Latch ASM	34	3296-59	8	Nut-Lock, NI
9	100-9821	1	Plate-Switch, Reed	35	302-5	2	Fitting-Grease
10	93-8062	1	Decal-Brake, Parking	36	93-7631	1	Pad-Foot, Lift
11	83-0640-01	1	Plate-Footrest	37	88-9660	1	Shaft-Control, Cut
12	49-6120	1	Pad-Footrest	38	83-2590	1	Bolt-Shoulder, Pivot
13	3229-11	2	Screw-CARR	39	83-0160	1	Shaft-Brake
14	32141-111	1	Nut-Adjusting	40	83-0140	1	Pedal-Mow
15	95-1629	1	Hinge-Lower	41	93-7630	1	Pad-Foot
16	93-8075	1	Decal-Mow/Lift	42	93-7629	1	Pad-Foot, Brake
17	3256-1	9	Washer-Flat	43	88-9630-01	1	Bracket-Lift Pivot, RH
18	3296-16	2	Nut-Lock, NI	44	32121-6	1	Pin-Roll
19	3274-31	4	Screw-HSBH	45	321-11	1	Screw-HH
20	32148-6	8	Nut-Insert	46	3256-22	1	Washer-Flat
21	321-4	2	Screw-HH	47	69-9760	1	Coverplate
22	83-0200-01	1	Plate-Cover, LH	48	56-7970	2	Clamp-Tube
23	32128-33	2	Nut-HF	49	95-5997	1	Decal-Gr 3050
24	3272-6	5	Pin-Cotter	50	10-8140	1	Spring-Latch, Brake
25	3296-39	2	Nut-Lock, NI	51	321-3	3	Screw-HH
26	93-9901-01	1	Bracket-Lockout, Mow				

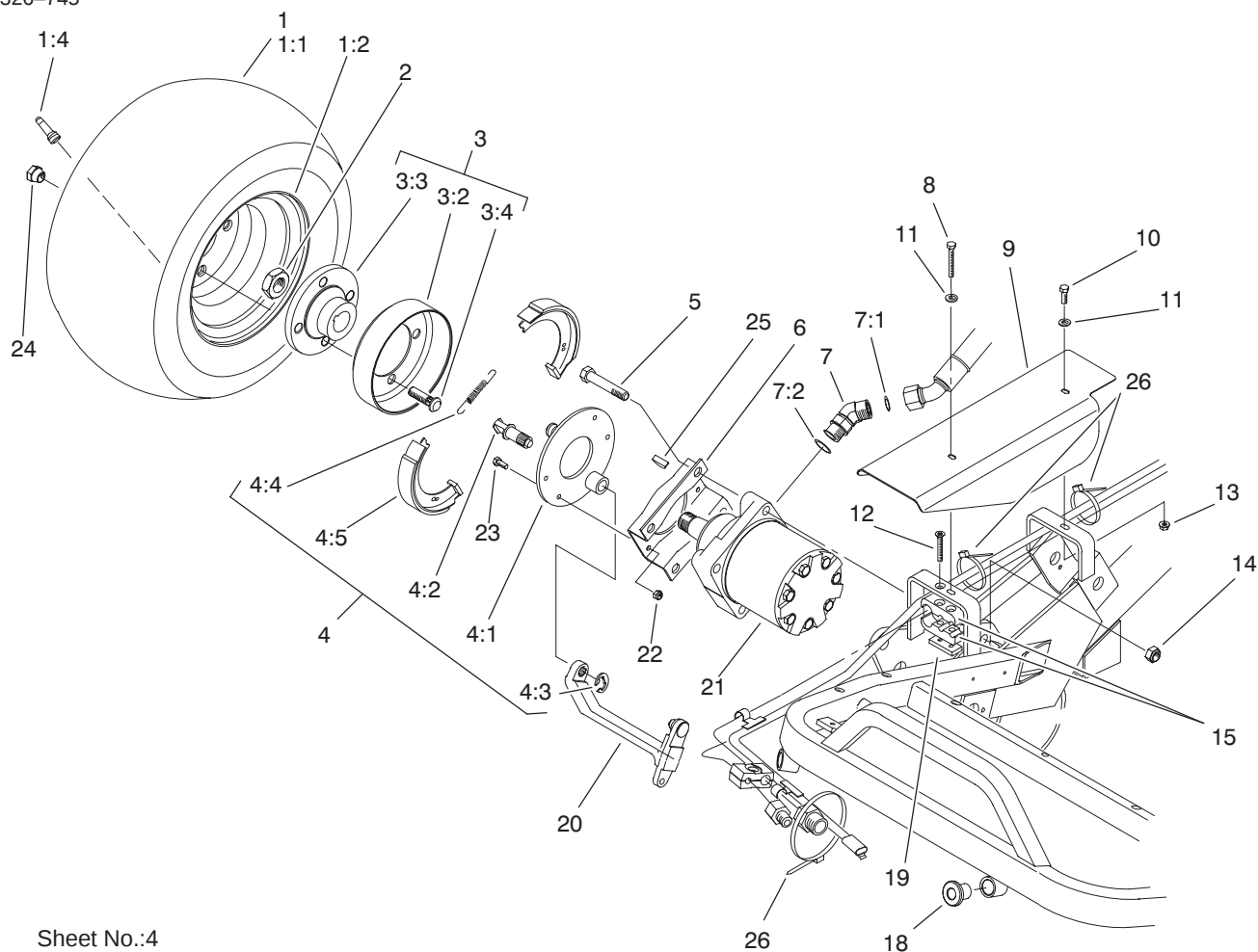


Sheet No.:3

Traction Control Assembly

Ref. No.	Part No.	Qty.	Description
1	32121-6	1	Pin-Roll
2	3220-2	3	Nut
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
23	3296-4	2	Nut-Lock, NI
24	74-9110	1	Pad-Pedal, Reverse

Ref. No.	Part No.	Qty.	Description
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



Sheet No.:4

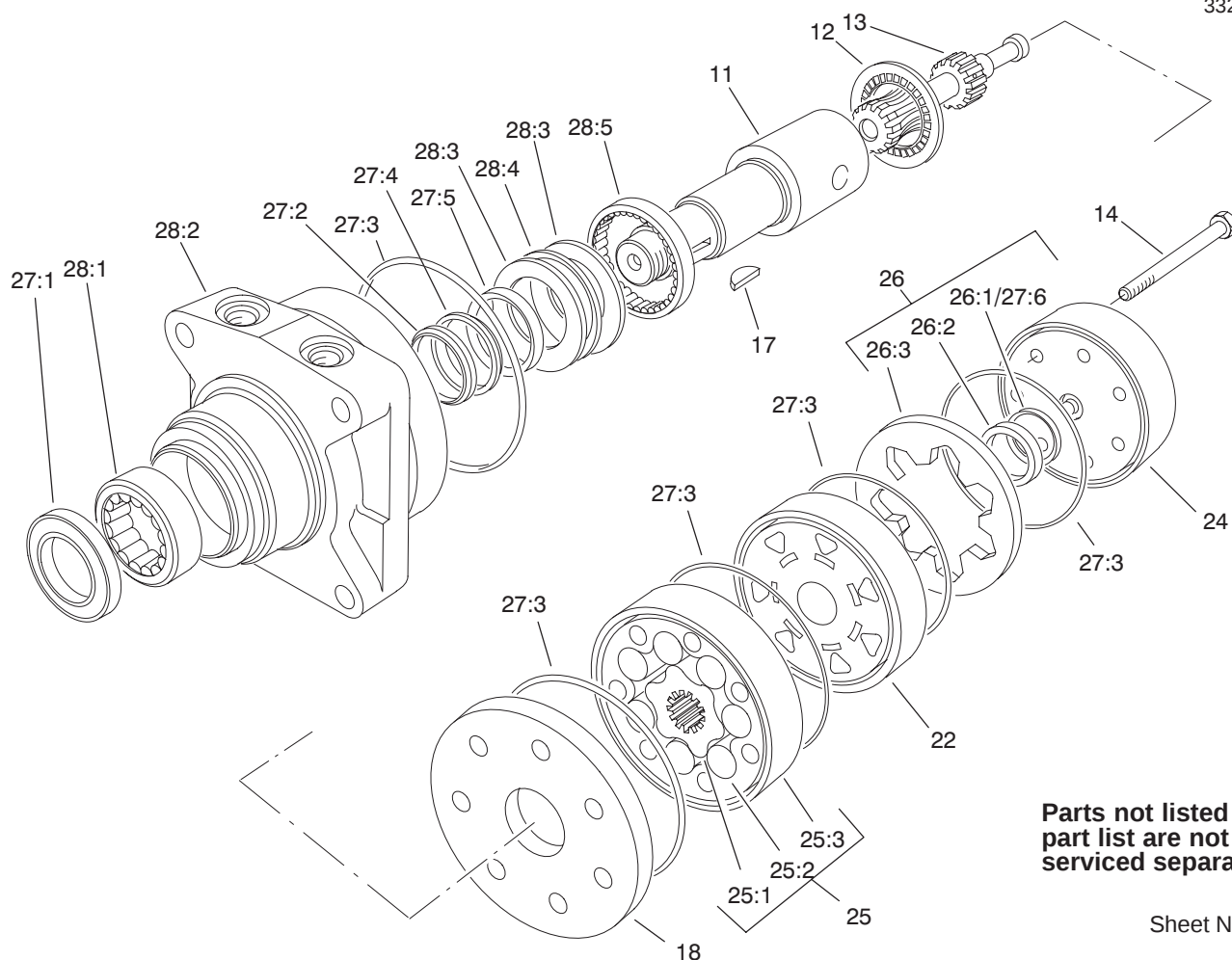
Front Wheel And Brake Assembly

Ref. No.	Part No.	Qty.	Description
☆1		2	Wheel & Tire ASM
1:1	28-3680	1	Tire
1:2	217-60	1	Rim
1:3	232-27	1	Stem-Valve
*1:5	232-37	1	Tube
2	26-3790	2	Nut-Lock
3	10-6821	2	Brake Drum ASM
3:2	10-6850	1	Drum-Brake
3:3	10-6870-03	1	Hub-Wheel
3:4	85-6540	4	Stud-Drive
4	104-7705	2	Brake ASM
4:1	70-9870	1	Plate-Backing
4:2	104-7707	1	Shaft-Cam, Brake
4:3	104-7706	1	E-Ring, Bowed
4:4	70-9880	2	Spring-Return
4:5	70-9840	2	Shoe-Brake
5	325-11	8	Screw-HH
6	84-2000-03	2	Bracket-Brake
7	340-14	4	Fitting-HYD, 45°
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
11	3256-22	2	Washer-Flat
12	32108-100	1	Screw-FH

Ref. No.	Part No.	Qty.	Description
13	32128-33	1	Nut-HF
14	3296-23	8	Nut-Lock, NI
15	57-6140	2	Clamp-Tube, Half
18	83-1700	3	Bushing-Flange
19	83-1220	1	Plate-Clamp
20	93-2096	2	Lever-Brake
21	92-9199	2	Motor-HYD, Wheel
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

☆ Not serviced separately

* Not illustrated



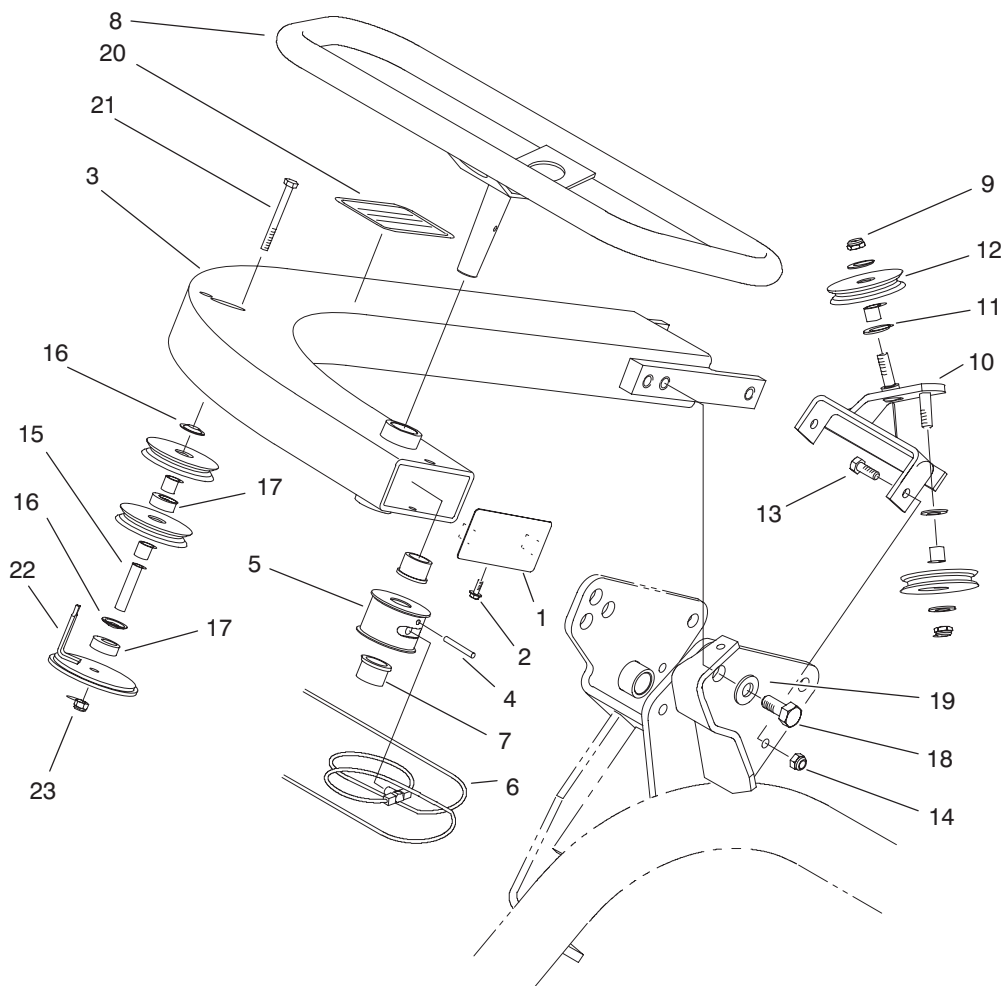
Sheet No.: A1

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Hydraulic Drive Motor Assembly No. 92-9199

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
11	76-0860	1	Shaft-Coupling	☆28:3		2	Washer-Thrust
12	76-0850	1	Bearing-Thrust	☆28:4		1	Bearing-Thrust
13	92-9761	1	Link-Drive	☆28:5		1	Bearing
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	Set-Rotor				
☆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 & 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				

☆ Not serviced separately

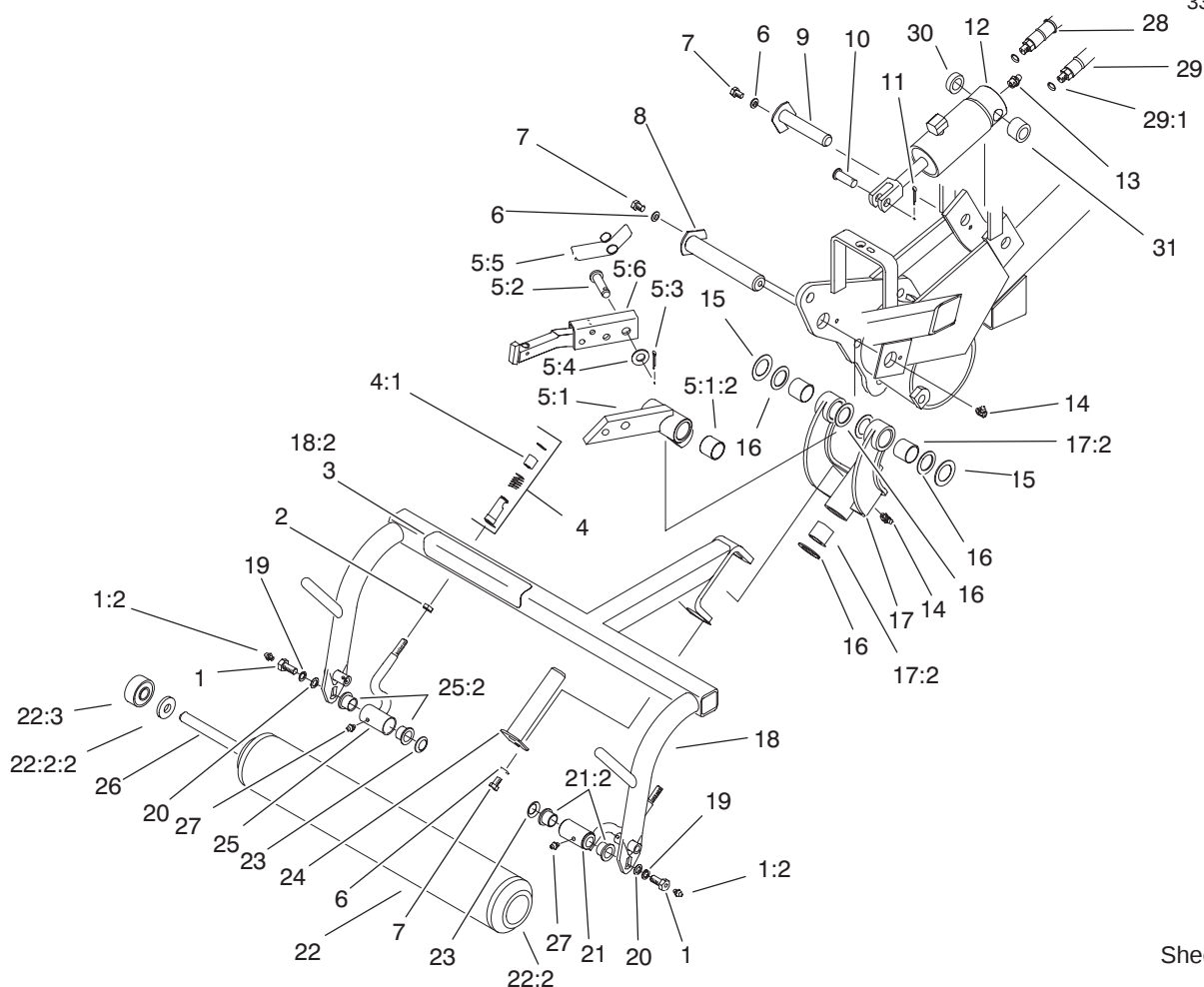


Sheet No.:5

Steering Arm Assembly

Ref. No.	Part No.	Qty.	Description
1	95-7140-01	1	Tube Cap ASM
2	32104-76	2	Screw
3	95-2941-01	1	Steering Arm
4	32121-44	1	Pin-Roll
5	95-7149	1	Pulley-Front Steering
6	95-5965	1	Cable-Steering
7	256-113	2	Bushing-Flange
8	49-5900	1	Steering Wheel ASM
9	3296-59	2	Nut-Lock, NI
10	95-2932	1	Bracket-Pulley
11	3256-4	4	Washer-Flat
12	5-2653	4	Pulley ASM
13	322-4	2	Screw-HH
14	3296-29	2	Nut-Lock, NI
15	10-7240	1	Sleeve-Pulley, Steering
16	3290-314	2	Tinnerman
17	71-5440	2	Spacer-Wheel
18	325-2	4	Screw-HH
19	3256-26	4	Washer-Flat
20	104-2053	1	Decal-Warning
20	93-8063	1	Decal-Warning (Europe)
21	321-15	1	Screw-HH
22	95-5959-01	1	Pulley Support
23	3296-16	1	Nut-Lock, NI

Ref. No.	Part No.	Qty.	Description

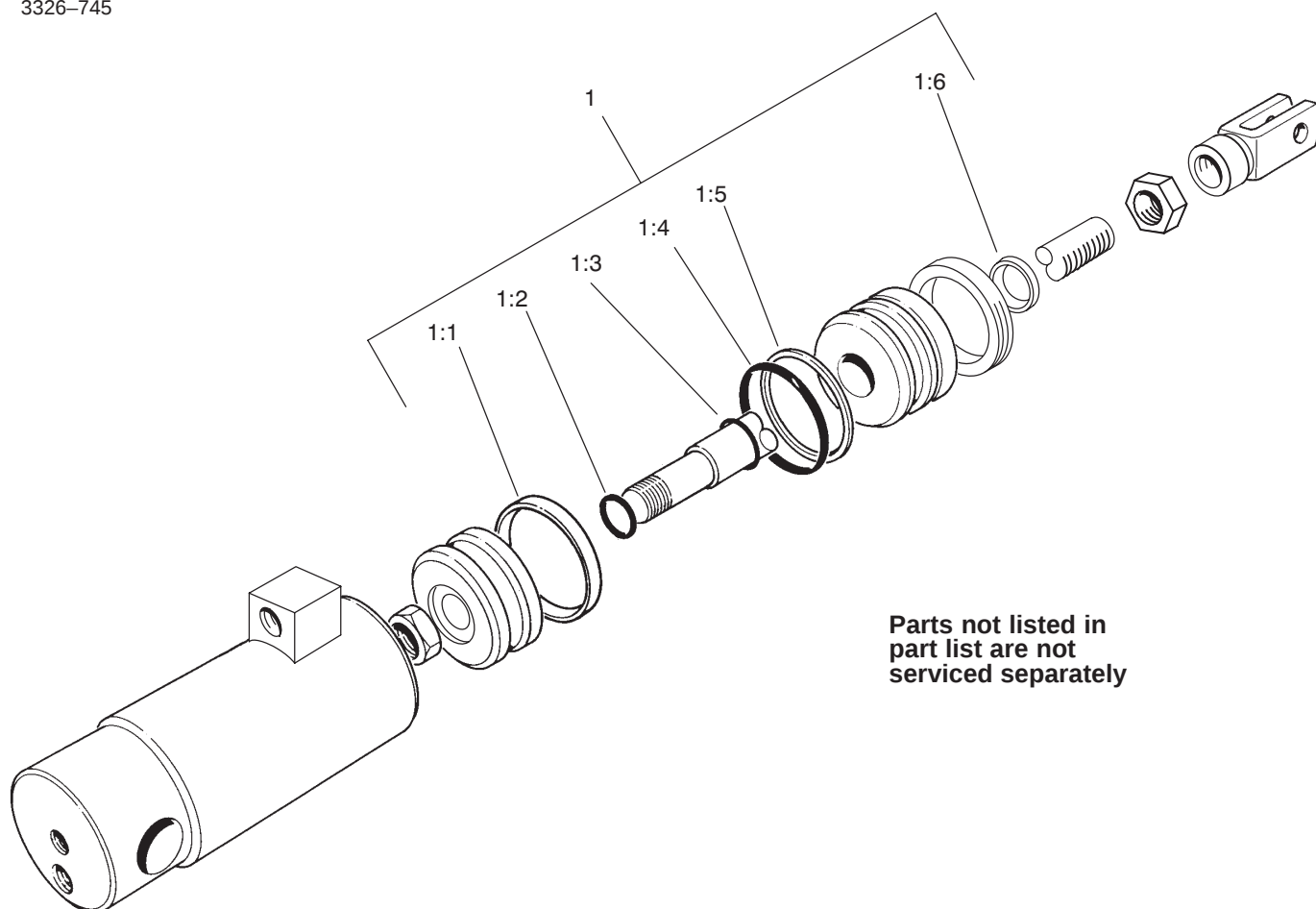


Sheet No.: 6

Right Hand Pull Frame Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	11-0160	2	Roller Shaft Screw ASM	15	5-1226	2	Washer
1:2	302-5	1	Fitting-Grease	16	10-8110	6	Washer-Thrust
2	3220-3	2	Nut-Jam	17	10-7820	1	Pivot Hinge ASM
3	93-8064	1	Decal-Danger (Europe)	17:2	3-0348	4	Bushing
4	99-1460	2	Ball Joint Receiver ASM	18	104-2055	1	Right Pull Frame ASM
4:1	99-1461	1	Sleeve-Joint, Ball	18:2	62-5070	1	Decal-Warning
☆5		1	RH Lift Arm ASM	19	3253-21	2	Washer-Lock
5:1	62-2440	1	Lift Arm ASM	20	3256-24	2	Washer-Flat
5:1:2	3-0348	2	Bushing	21	92-0586	1	Pull Arm ASM
5:2	63-8750	1	Pin-Pivot	21:2	3-1506	2	Bushing
5:3	3272-11	1	Pin-Cotter	22	99-4277	1	Roller ASM
5:4	3256-26	1	Washer-Flat	☆22:2		2	Hub Yoke ASM
5:5	57-7650	1	Spring-Torsion	22:2:2	253-83	1	Seal-Oil
5:6	94-5588-01	1	Bar-Lift	22:3	251-141	2	Bearing-Ball
6	3256-23	3	Washer-Flat	23	3290-317	2	Washer-Spring
7	322-1	3	Screw-HH	24	10-6090	1	Pin-Pivot
8	10-6110	1	Pin-Hinge	25	92-0585	1	Pull Arm ASM
9	10-6060	1	Pin-Pivot, Ram	25:2	3-1506	2	Bushing
10	283-8	1	Pin-Clevis	26	21-8470	1	Shaft-Roller
11	3272-11	1	Pin-Cotter	27	302-5	2	Fitting-Grease
12	105-3822	1	HYD Cylinder ASM	28	3290-378	1	Tie-Cable
13	302-2	1	Fitting-Grease	29	92-9767	2	Hose
14	302-60	2	Fitting-Grease	29:1	237-78	1	O-Ring
				30	105-3828	1	Spacer
				31	74-3730	1	Spacer-Spindle, Rear

☆ Not serviced separately



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

Sheet No.: A2

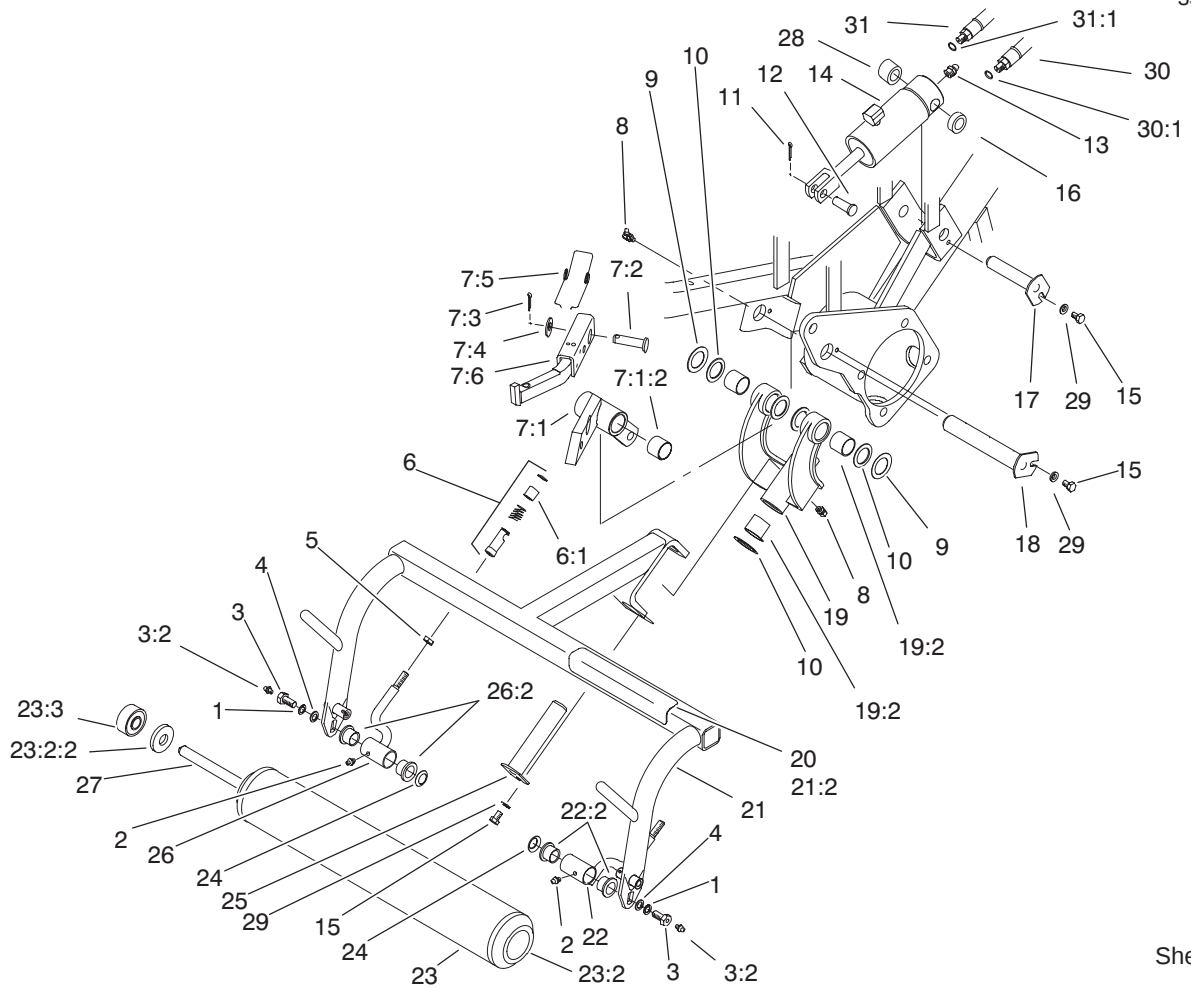
T-3359

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

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately

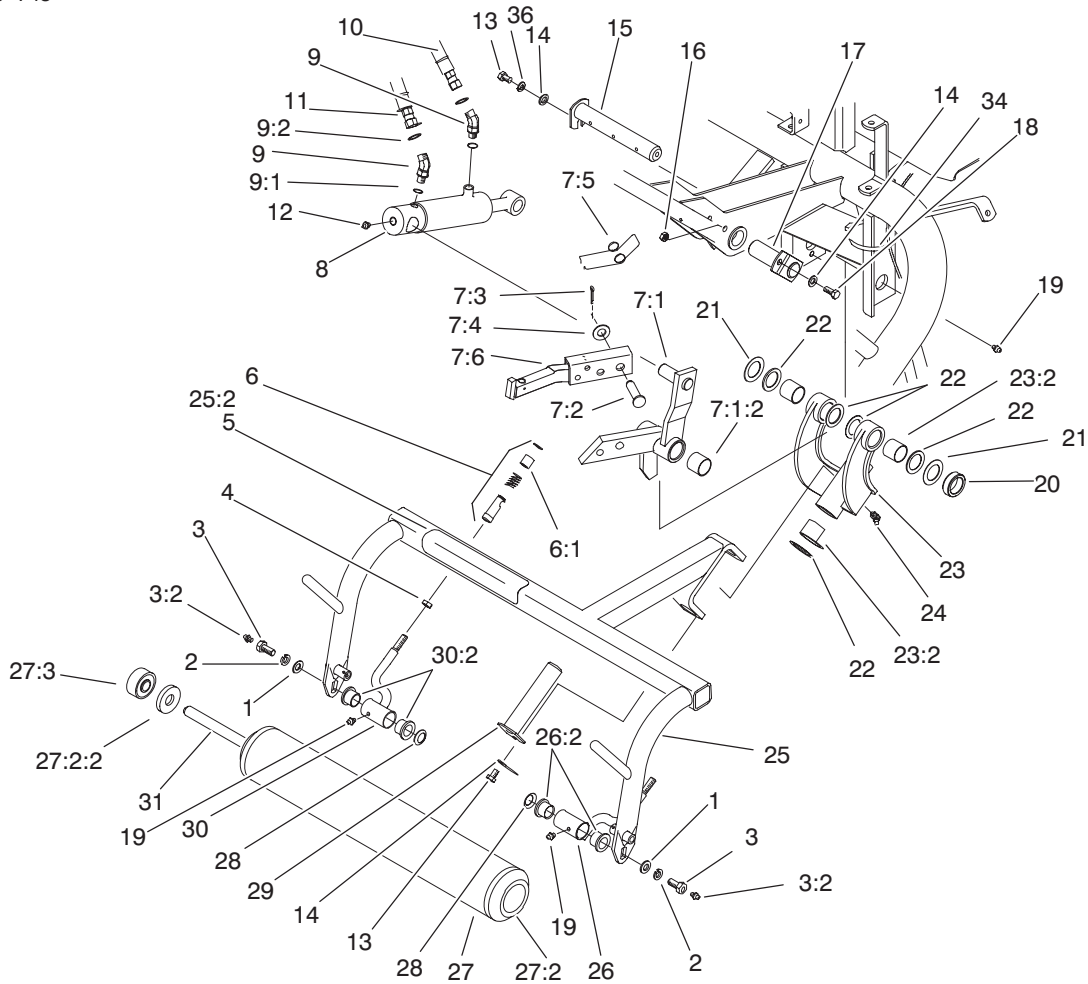


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Left Hand Pull Frame Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	3253-21	2	Washer-Lock	16	105-3828	1	Spacer
2	302-5	2	Fitting-Grease	17	10-6060	1	Pin-Pivot, Ram
3	11-0160	2	Roller Shaft Screw	18	10-6110	1	Pin-Hinge
			ASM	19	10-7820	1	Pivot Hinge ASM
3:2	302-5	1	Fitting-Grease	19:2	3-0348	4	Bushing
4	3256-24	2	Washer-Flat	20	93-8064	1	Decal-Danger (Europe)
5	3220-3	2	Nut-Jam	21	104-2054	1	Left Pull Frame ASM
6	99-1460	2	Ball Joint Receiver ASM	21:2	62-5070	1	Decal-Warning
6:1	99-1461	1	Sleeve-Joint, Ball	22	92-0586	1	Pull Arm ASM
☆7		1	LH Lift Arm ASM	22:2	3-1506	2	Bushing
7:1	62-2460	1	Lift Arm ASM	23	99-4277	1	Roller ASM
7:1:2	3-0348	2	Bushing	☆23:2		2	Hub Yoke ASM
7:2	63-8750	1	Pin-Pivot	23:2:2	253-83	1	Seal-Oil
7:3	3272-11	1	Pin-Cotter	23:3	251-141	2	Bearing-Ball
7:4	3256-26	1	Washer-Flat	24	3290-317	2	Washer-Spring
7:5	57-7650	1	Spring-Torsion	25	10-6090	1	Pin-Pivot
7:6	94-5586-01	1	Bar-Lift	26	92-0585	1	Pull Arm ASM
8	302-60	2	Fitting-Grease	26:2	3-1506	2	Bushing
9	5-1226	2	Washer	27	21-8470	1	Shaft-Roller
10	10-8110	6	Washer-Thrust	28	74-3730	1	Spacer-Spindle, Rear
11	3272-11	1	Pin-Cotter	29	3256-23	3	Washer-Flat
12	283-8	1	Pin-Clevis	30	83-1690	1	Hose-HYD
13	302-2	1	Fitting-Grease	30:1	237-78	1	O-Ring
14	105-3822	1	HYD Cylinder ASM	31	63-3850	1	Hose ASM
15	322-1	3	Screw-HH	31:1	237-78	1	O-Ring

☆ Not serviced separately



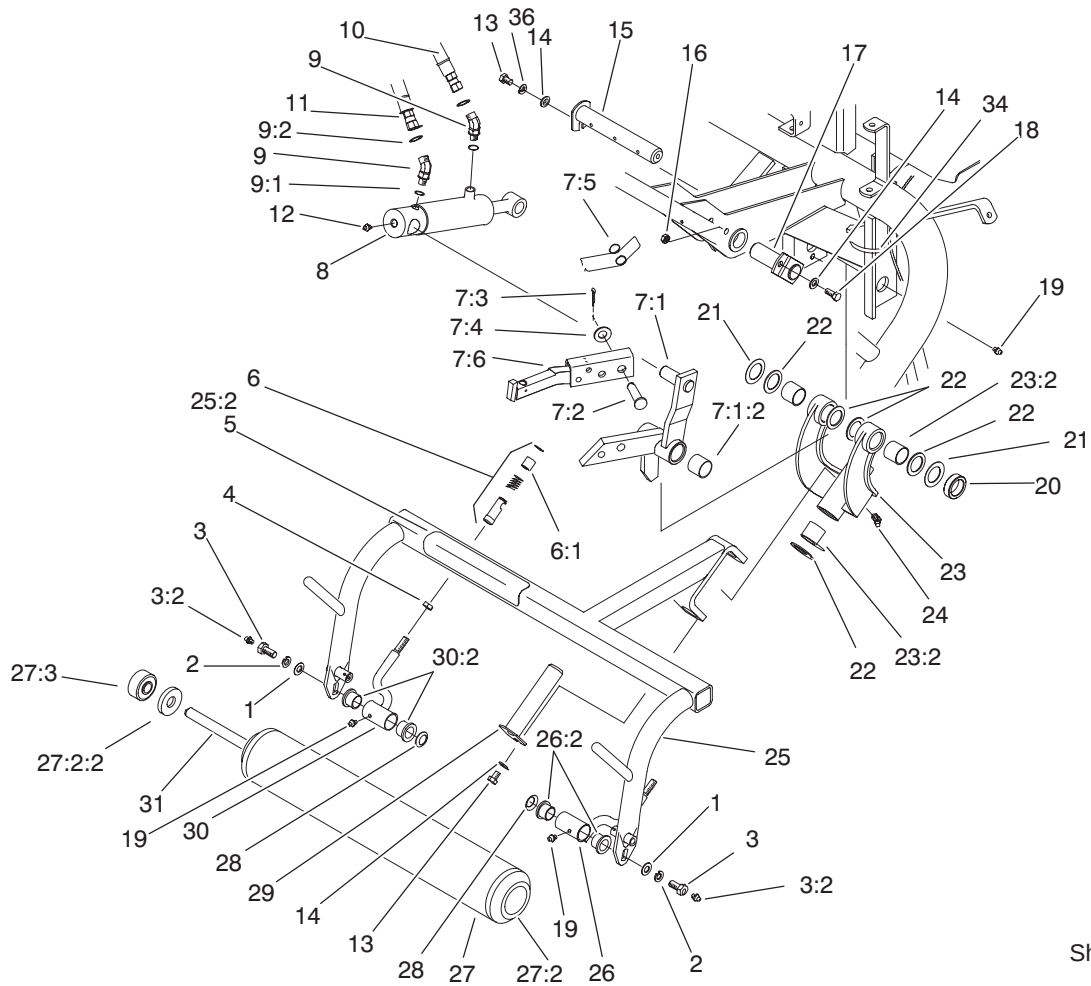
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Rear Pull Frame Assembly

Ref. No.	Part No.	Qty.	Description
1	3256-24	2	Washer-Flat
2	3253-21	2	Washer-Lock
3	11-0160	2	Roller Shaft Screw
3:2	302-5	1	Fitting-Grease
4	3220-3	2	Nut-Jam
5	93-8064	1	Decal-Danger (Europe)
6	99-1460	2	Ball Joint Receiver ASM
6:1	99-1461	1	Sleeve-Joint, Ball
☆7		1	Center Lift Arm ASM
7:1	68-5380	1	Center Lift Arm ASM
7:1:2	3-0348	2	Bushing
7:2	63-8750	1	Pin-Pivot
7:3	3272-11	1	Pin-Cotter
7:4	3256-26	1	Washer-Flat
7:5	57-7650	1	Spring-Torsion
7:6	62-2420-01	1	Bar-Lift
8	105-3823	1	Hydraulic Cylinder ASM
9	340-103	2	Fitting-HYD, 45°
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

Ref. No.	Part No.	Qty.	Description
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
21	5-1226	2	Washer
22	10-8110	6	Washer-Thrust
23	10-7820	1	Pivot Hinge ASM
23:2	3-0348	4	Bushing
24	302-60	1	Fitting-Grease
25	104-2056	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
☆27:2		2	Hub Yoke ASM
27:2:2	253-83	1	Seal-Oil
27:3	251-141	2	Bearing-Ball
28	3290-317	2	Washer-Spring
29	10-6090	1	Pin-Pivot
30	92-0585	1	Pull Arm ASM
30:2	3-1506	2	Bushing

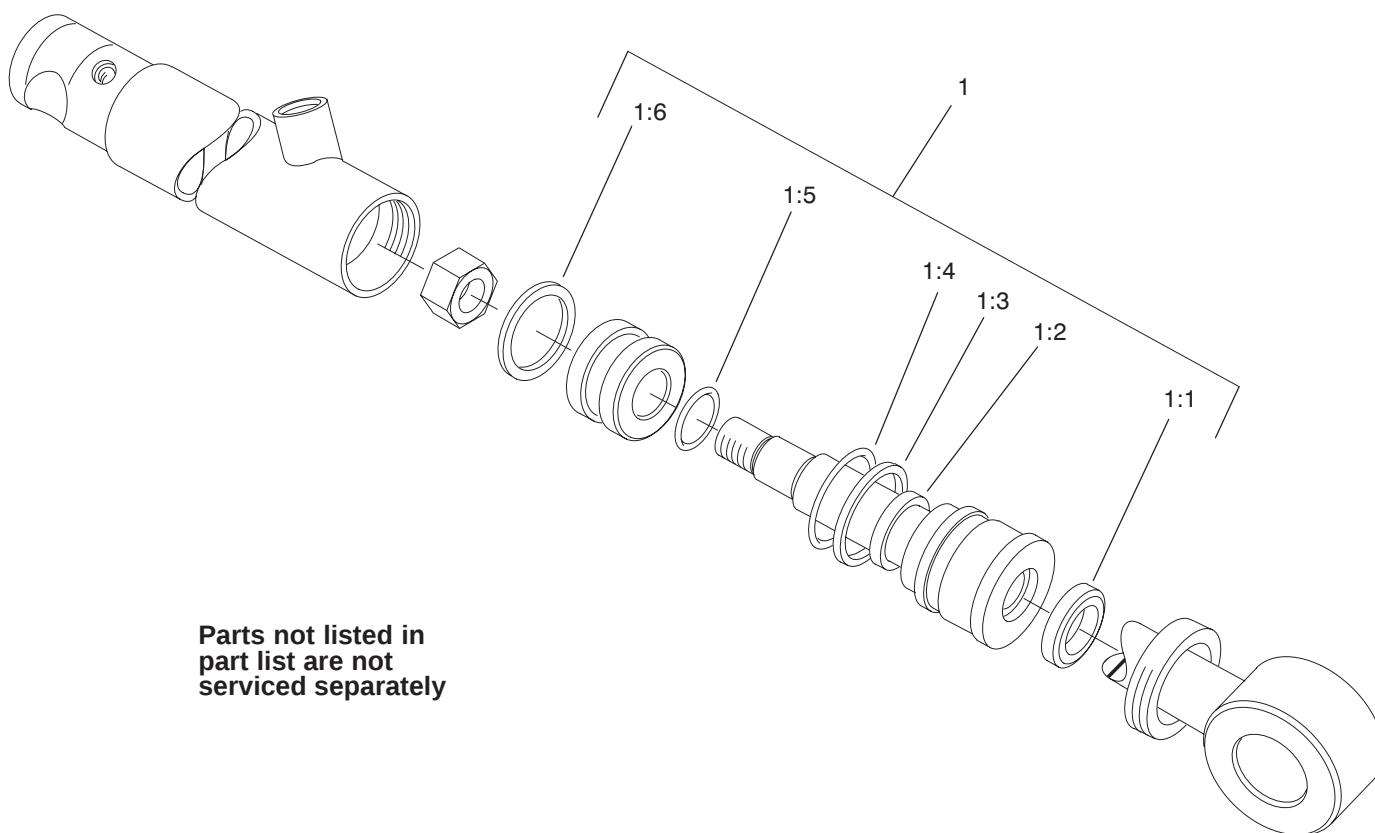
☆ Not serviced separately



Sheet No.: 8

Rear Pull Frame Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
31	21-8470	1	Shaft-Roller
34	3290-379	1	Tie-Cable
36	3253-4	1	Washer-Lock



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

Sheet No.: A3

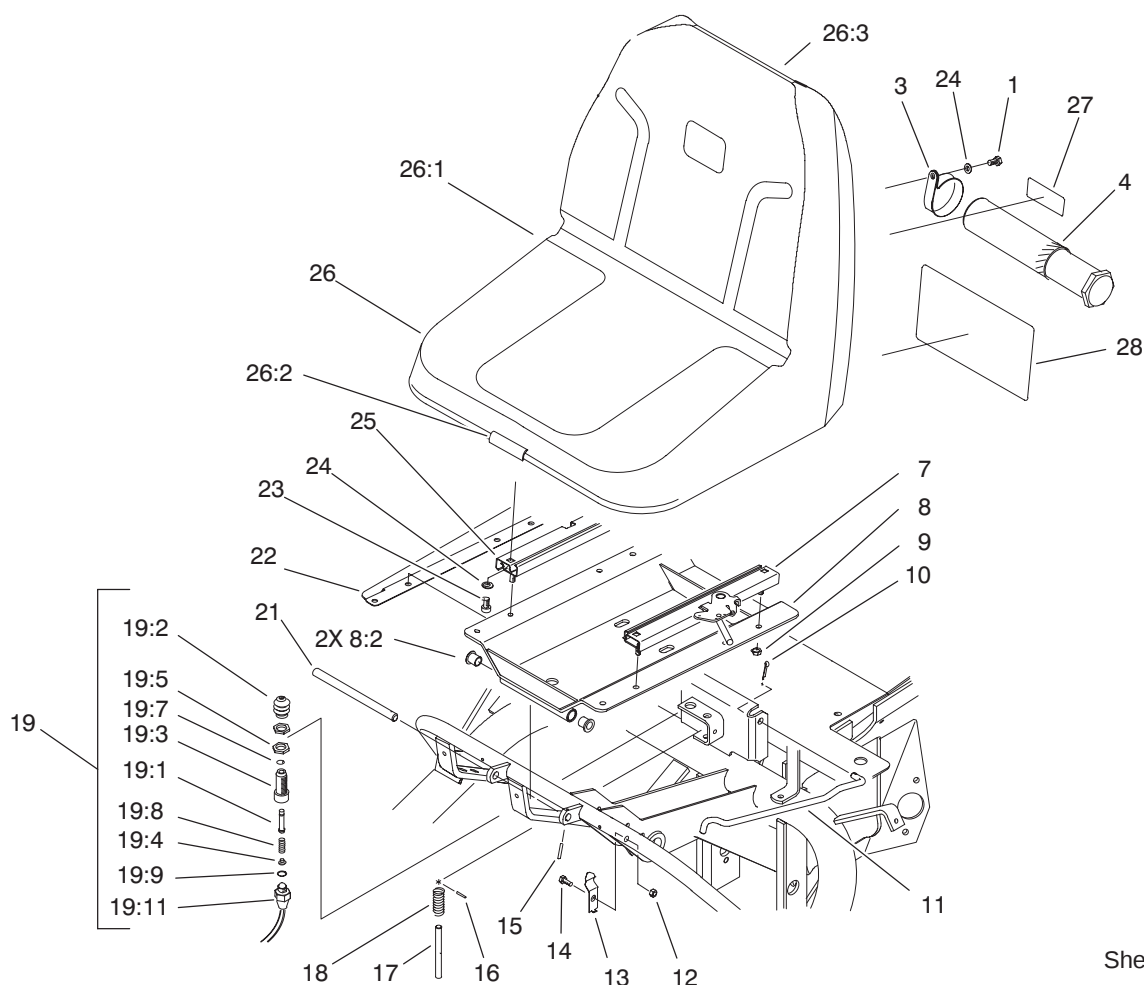
T-3876

Hydraulic Cylinder 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

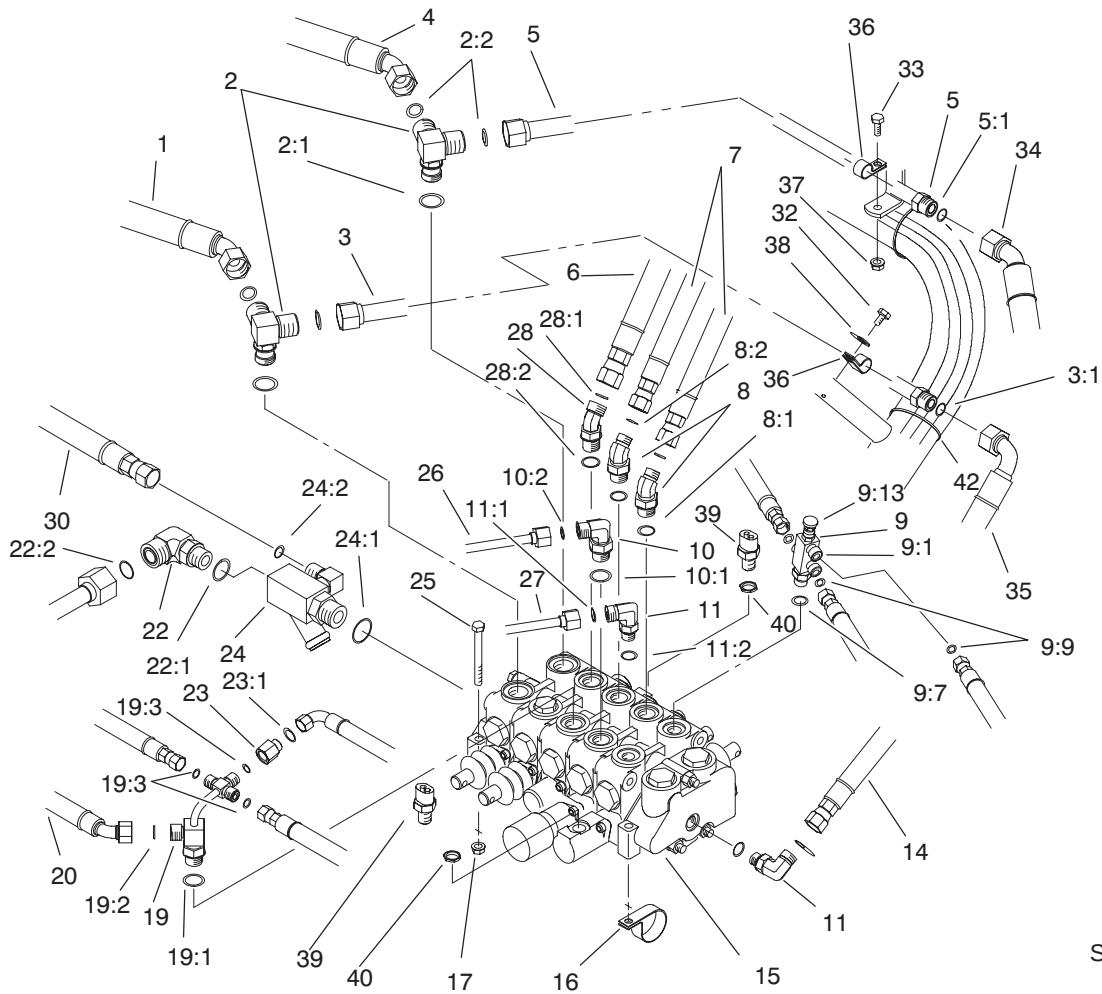
☆ Not serviced separately



Sheet No.: 9

Seat Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	322-2	2	Screw-HH	21	49-5880	1	Shaft-Support, Seat
3	2412-133	2	R-Clamp	22	83-1840-01	1	Cover-Valve, RH
4	74-0720	1	Tube-Manual	23	3274-12	4	Screw-HSH
7	51-0790	1	Adjuster-Seat, LH	24	3256-23	6	Washer-Flat
8	83-1270	1	Seat Support ASM	25	51-0780	1	Slider-Seat
8:2	256-155	2	Bushing-Flange	26	100-3187	1	Seat ASM
9	3296-29	4	Nut-Lock, NI	26:1	92-6534	1	Shell
10	3272-11	1	Pin-Cotter	26:2	351-80	1	Clip
11	68-5100	1	Rod-Seat, Prop	26:3	351-78	1	Edging
12	3296-16	1	Nut-Lock, NI	27	93-8067	1	Decal-Oil, HYD
13	68-5310	1	Clip-Rod, Prop	28	95-7113	1	Decal-Service
14	321-3	1	Screw-HH	28	95-7124	1	Decal-Spanish
15	32121-45	1	Pin-Spring	28	95-7125	1	Decal-French
16	3284-3	1	Pin-Groove	28	95-7126	1	Decal-German
17	51-0350	1	Pin-Spring, Seat	28	95-7127	1	Decal-Swedish
18	3-6685	1	Spring	28	95-7128	1	Decal-Italian
19	43-9071	1	Limit Switch ASM	28	95-7129	1	Decal-Portuguese
19:1	43-8860	1	Plunger-Switch	28	95-7130	1	Decal-Norwegian
19:2	43-8870	1	Boot-Switch	28	95-7131	1	Decal-Finnish
19:3	43-8620	1	Pin-Guide, Switch	28	95-7132	1	Decal-Danish
19:4	43-8610	1	Guide	28	95-7133	1	Decal-Dutch
19:5	218-461	2	Nut-HH	28	95-7143	1	Decal-Japanese
19:7	237-7	1	O-Ring				
19:8	43-8600	1	Spring-Compression				
19:9	237-30	1	O-Ring				
19:11	72-4320	1	Switch				

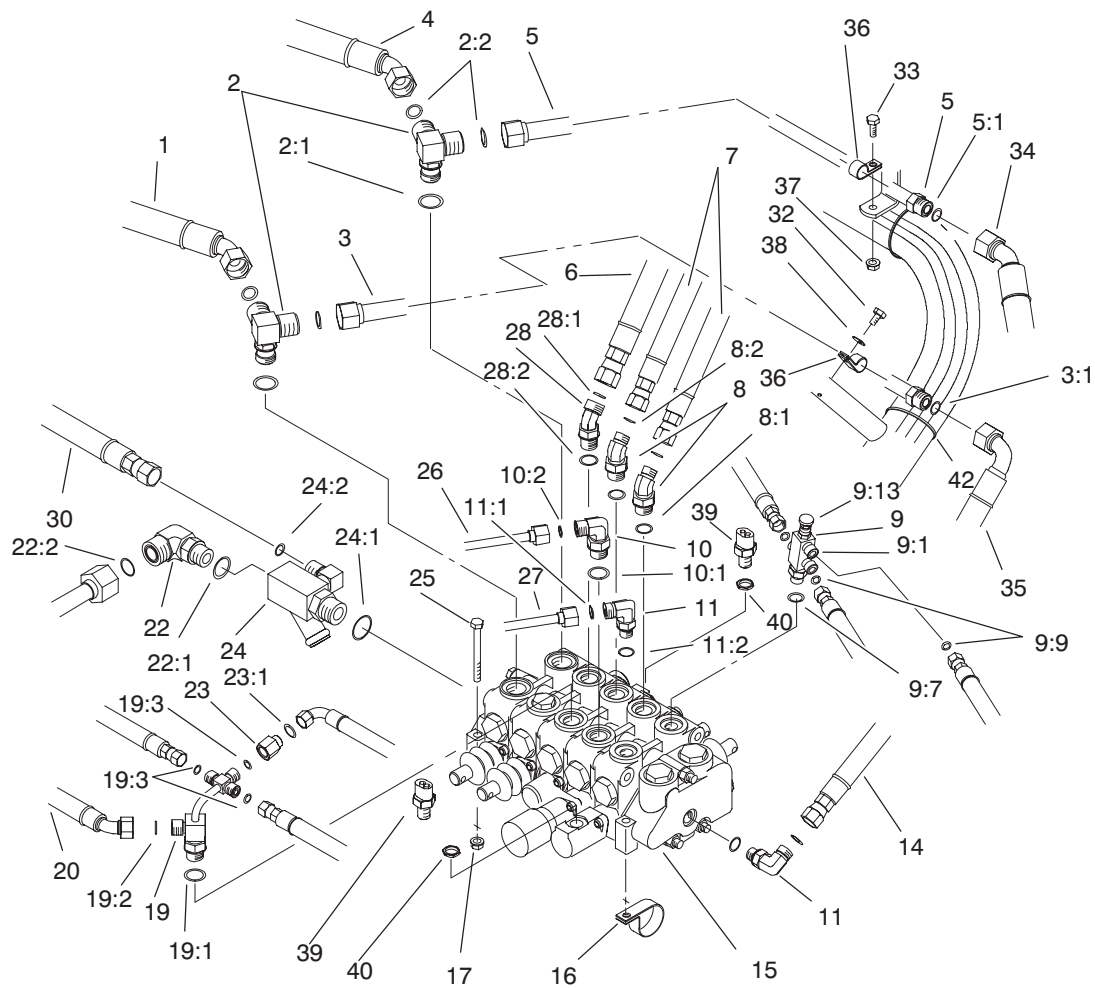


Sheet No.:10

Control Valve Installation Assembly

Ref. No.	Part No.	Qty.	Description
1	98-0647	1	Hose-HYD
2	63-4050	2	Fitting
2:1	237-80	1	O-Ring
2:2	237-65	2	O-Ring
3	70-7130	1	Line-Tube
3:1	237-65	2	O-Ring
4	98-0646	1	Hose-Hydraulic
5	83-1200	1	Tube-Traction, LH
5:1	237-65	1	O-Ring
6	98-2151	1	Hose-HYD
7	98-0649	2	Hose-HYD
8	340-138	2	Fitting-HYD, 45°
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°
10:1	237-79	1	O-Ring
10:2	237-22	1	O-Ring
11	340-77	2	Fitting-HYD, 90°
11:1	237-22	1	O-Ring
11:2	237-42	1	O-Ring

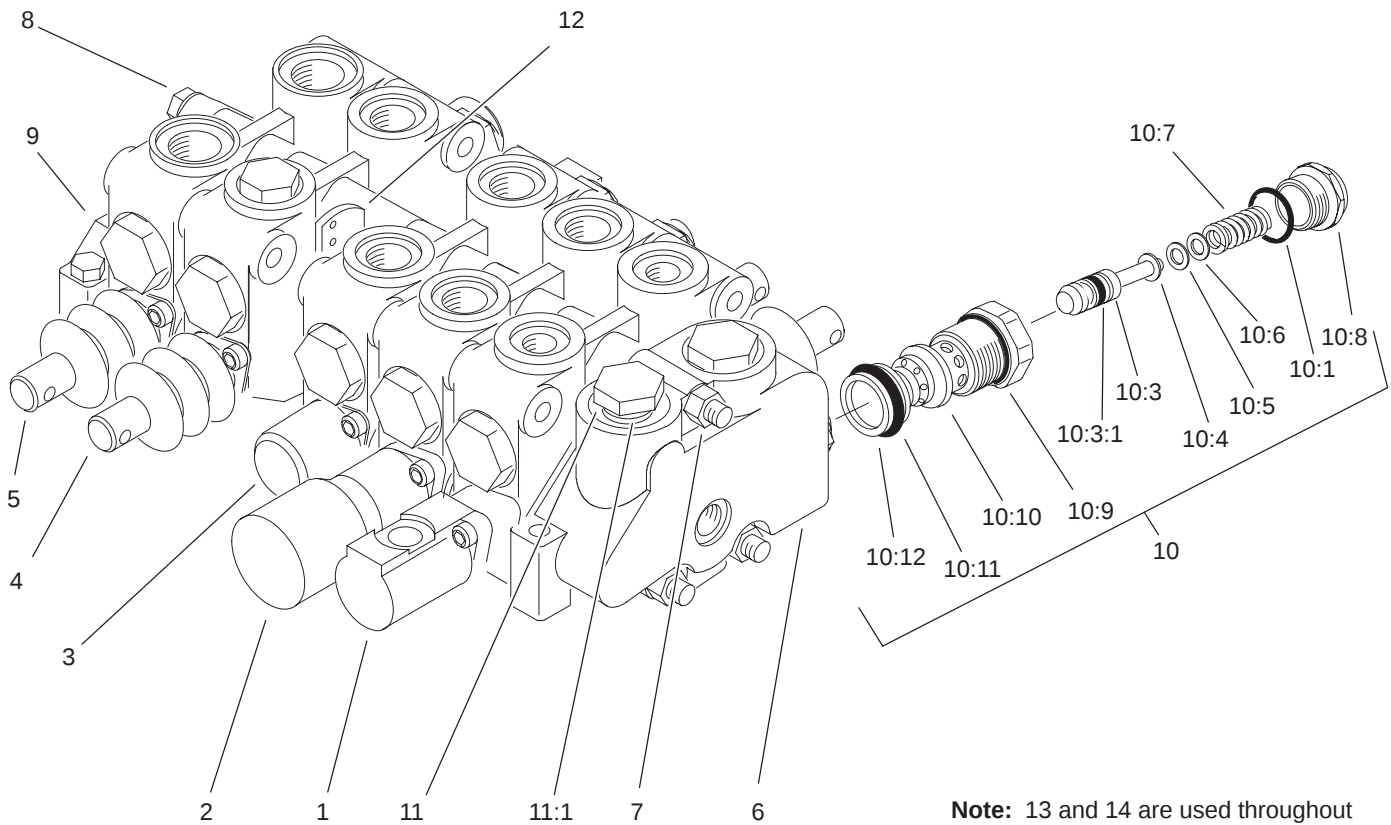
Ref. No.	Part No.	Qty.	Description
14	98-2150	1	Hose-HYD
15	105-3800	1	Control Valve ASM
16	304-61	1	Clamp-Hose
17	32128-20	3	Nut-HF
19	83-1670	1	Fitting ASM
19:1	237-79	1	O-Ring
19:2	237-22	1	O-Ring
19:3	237-21	3	O-Ring
20	95-5986	1	Hose-HYD
22	340-16	1	Fitting-HYD, 90°
22:1	237-80	1	O-Ring
22:2	237-58	1	O-Ring
23	71-0990	1	Orifice
23:1	237-21	1	O-Ring
24	63-4080	1	Manifold Fitting
24:1	237-81	1	O-Ring
24:2	237-30	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, 90°
28:1	237-30	1	O-Ring
28:2	237-79	1	O-Ring
30	95-5987	1	Hose-HYD
32	12-3270	1	Screw
33	3234-4	1	Screw-HHF



Sheet No.:10

Control Valve Installation Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
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



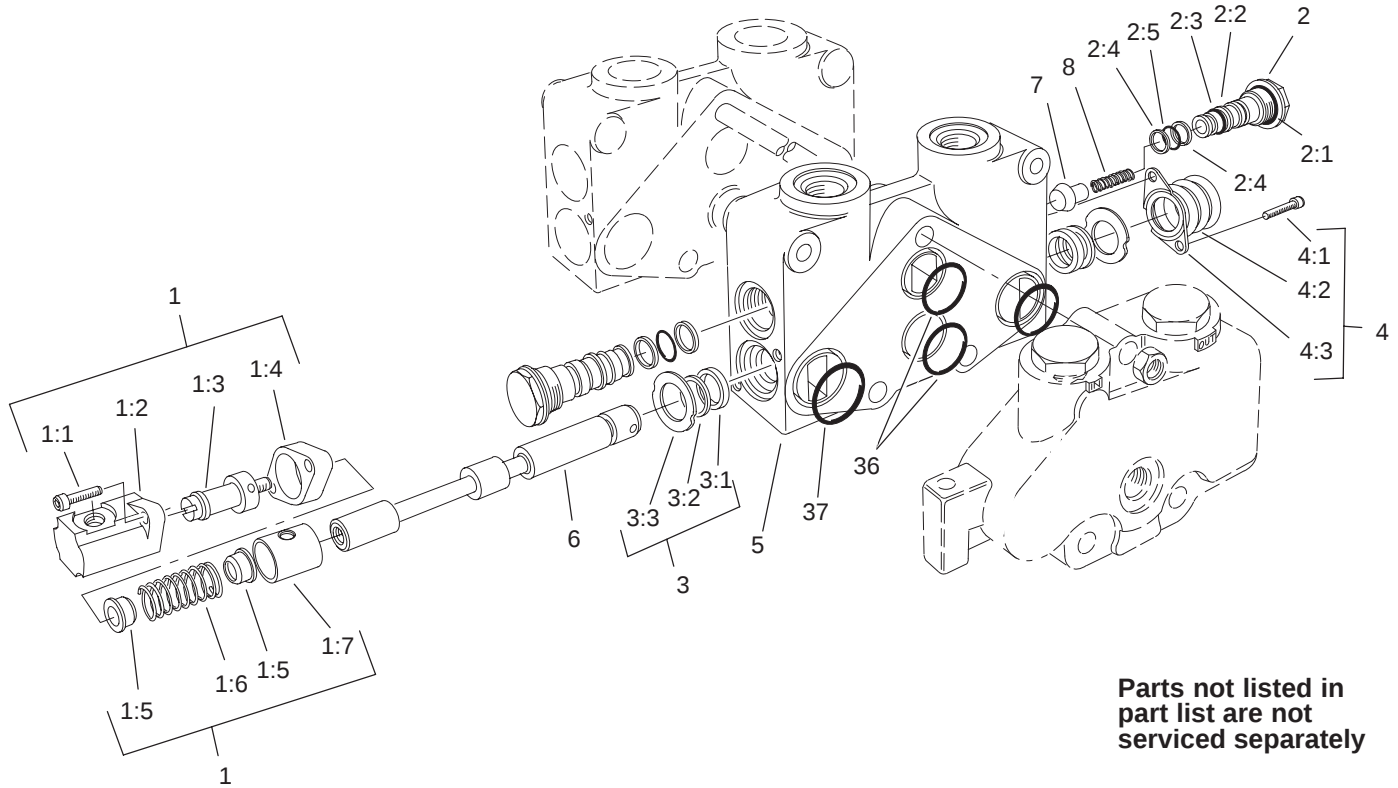
T-3794
Sheet No.:A4

Control Valve Assembly No. 105-3800

Ref. No.	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 & Ring ASM
10:3:1	353-392	1	Ring-Piston
10:4	353-328	1	Shim (.040)
10:5	353-329	1	Shim (.020)
10:6	353-330	1	Shim (.010)
10:7	353-855	1	Spring
10:8	353-334	1	Cap-Relief
10:9	353-331	1	O-Ring
10:10	353-760	1	Relief-Body
10:11	353-758	1	O-Ring
10:12	353-952	1	Seal-Back-Up
11	353-721	2	Plug
11:1	237-54	1	O-Ring
12	354-122	1	Disc-Seal

Ref. No.	Part No.	Qty.	Description
*13	92-2545	1	Spool Set Kit
*14	84-2190	1	Section Seal Kit

* Not illustrated

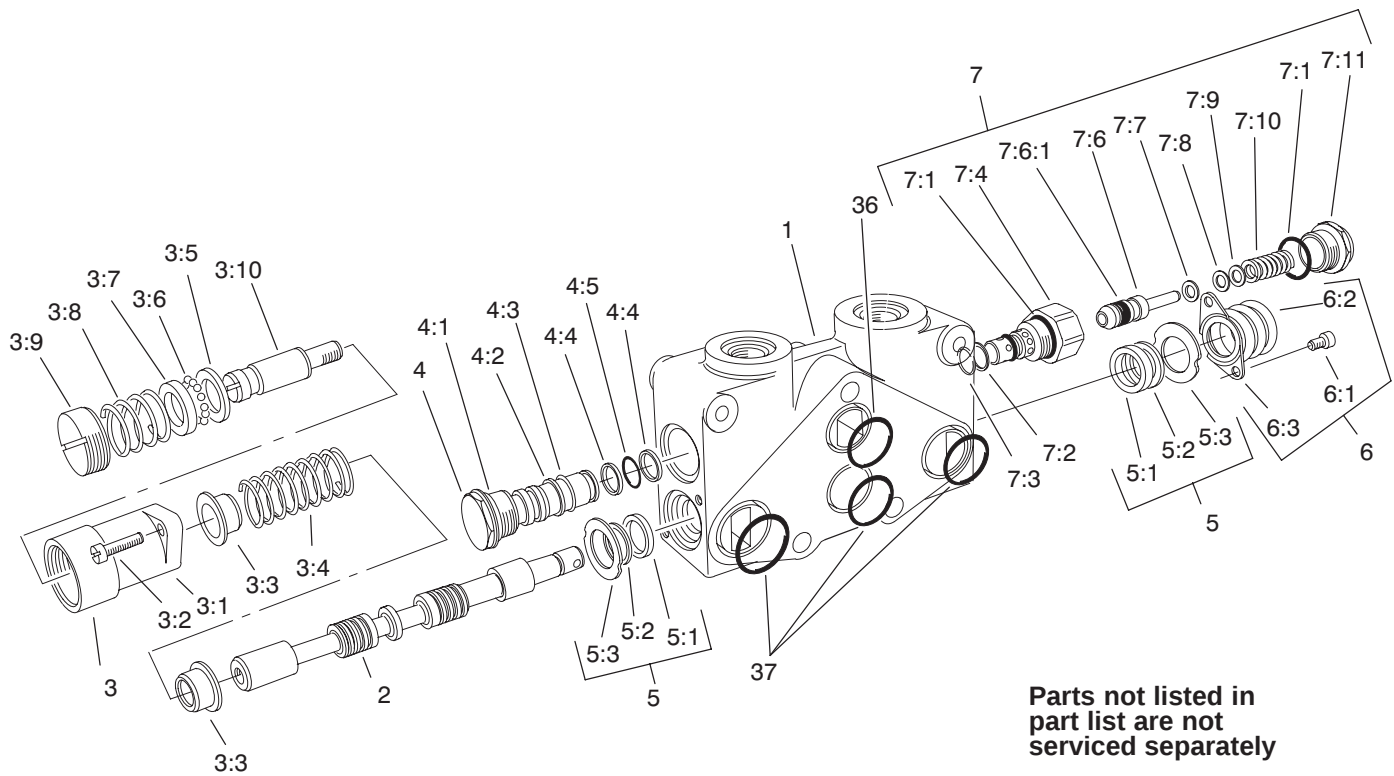


T-3777
Sheet No.:A5

Section 1 Assembly No. 105-3801

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	105-3807	1	Positioner-Interlock	☆36		2	O-Ring
1:1	3274-70	2	Screw-HSH	☆37		2	O-Ring
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	Kit-Set, Spool				
3:1	353-957	1	Cup-Seal				
3:2	92-2546	1	Wiper-Seal				
3:3	92-2547	1	Seal-Retainer				
4	93-3652	1	Boot-Dust				
4:1	3274-52	2	Screw-HSH				
4:2	353-575	1	Boot				
4:3	93-3651	1	Retainer-Boot				
☆5		1	Housing-V20c				
☆6		1	Spool-V20c				
7	353-301	1	Check-Lift, Poppet				
8	353-304	1	Spring-Check, Lift				

☆ Not serviced separately



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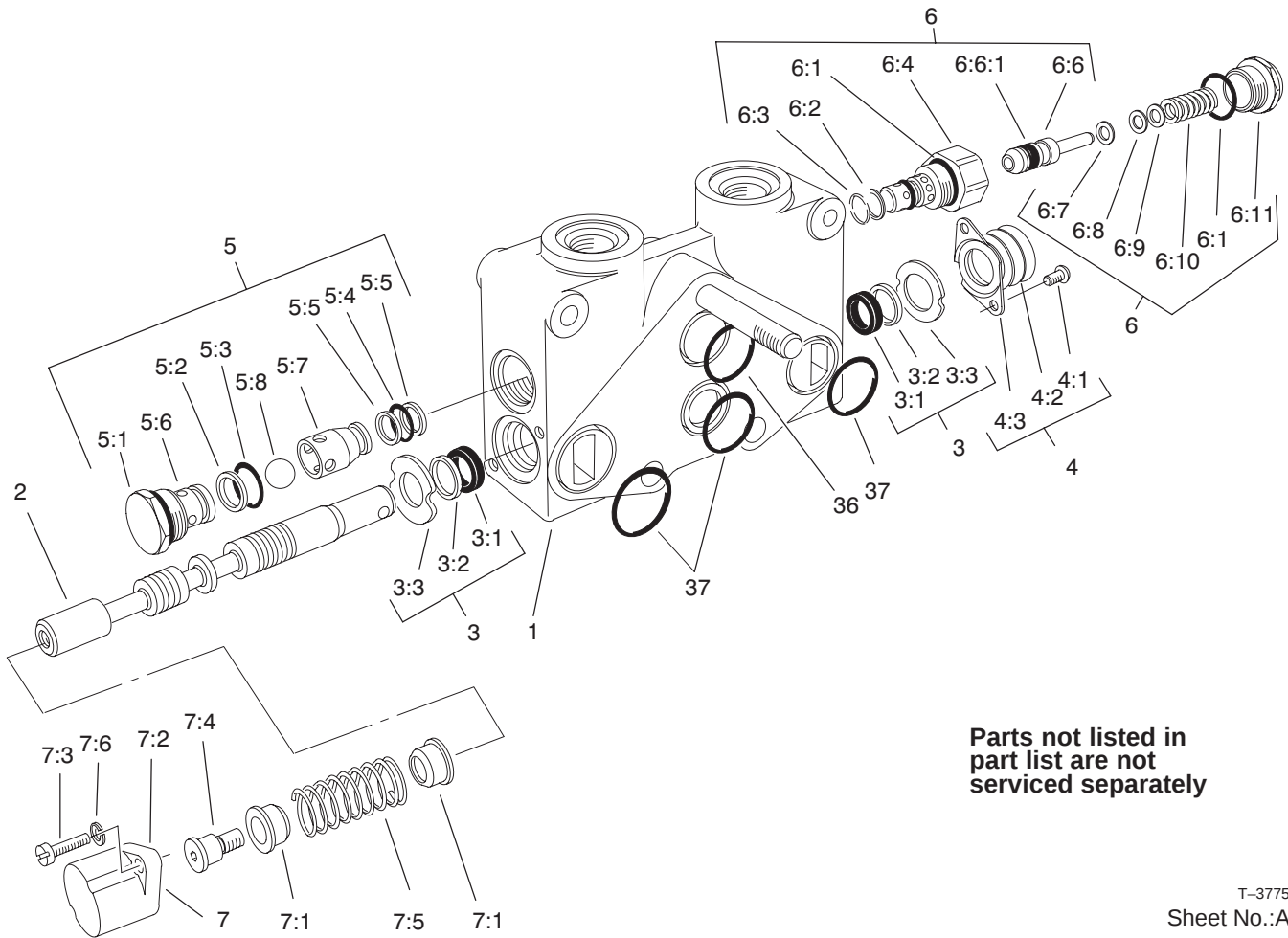
Sheet No.:A6

Section 2 Assembly No. 105-3802

Ref. No.	Part No.	Qty.	Description
☆1		1	Housing-V20t
☆2		1	Spool-V20
3	105-3806	1	Positioner
3:1	99-8181	1	Bonnet-R
3:2	3274-15	2	Screw-HSH
3:3	353-417	2	Collar-Stop
3:4	104-7741	1	Spring
3:5	354-29	1	Plate-Thrust
3:6	52-5880	12	Ball-Detent
3:7	42-2680	1	Race-Ball
3:8	104-7727	1	Spring-Detent
3:9	353-763	1	Cap-Adjustment
3:10	353-762	1	Spud-Out
4	353-481	1	Lift Check ASM
4:1	237-54	1	O-Ring
4:2	353-306	1	Washer-Backup
4:3	353-305	1	O-Ring
4:4	353-303	2	Washer-Backup
4:5	353-302	1	O-Ring
5	92-2548	2	Kit-Set, Spool
5:1	353-957	1	Cup-Seal
5:2	92-2546	1	Wiper-Seal
5:3	92-2547	1	Seal-Retainer
6	93-3652	1	Boot-Dust
6:1	3274-52	2	Screw-HSH
6:2	353-575	1	Boot

Ref. No.	Part No.	Qty.	Description
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 & Ring ASM
7:6:1	353-392	1	Ring-Piston
7:7	353-328	1	Shim (.040)
7:8	353-329	1	Shim (.020)
7:9	353-330	1	Shim (.010)
7:10	353-398	1	Spring
7:11	353-334	1	Cap-Relief
☆36		1	O-Ring
☆37		3	O-Ring

☆ Not serviced separately

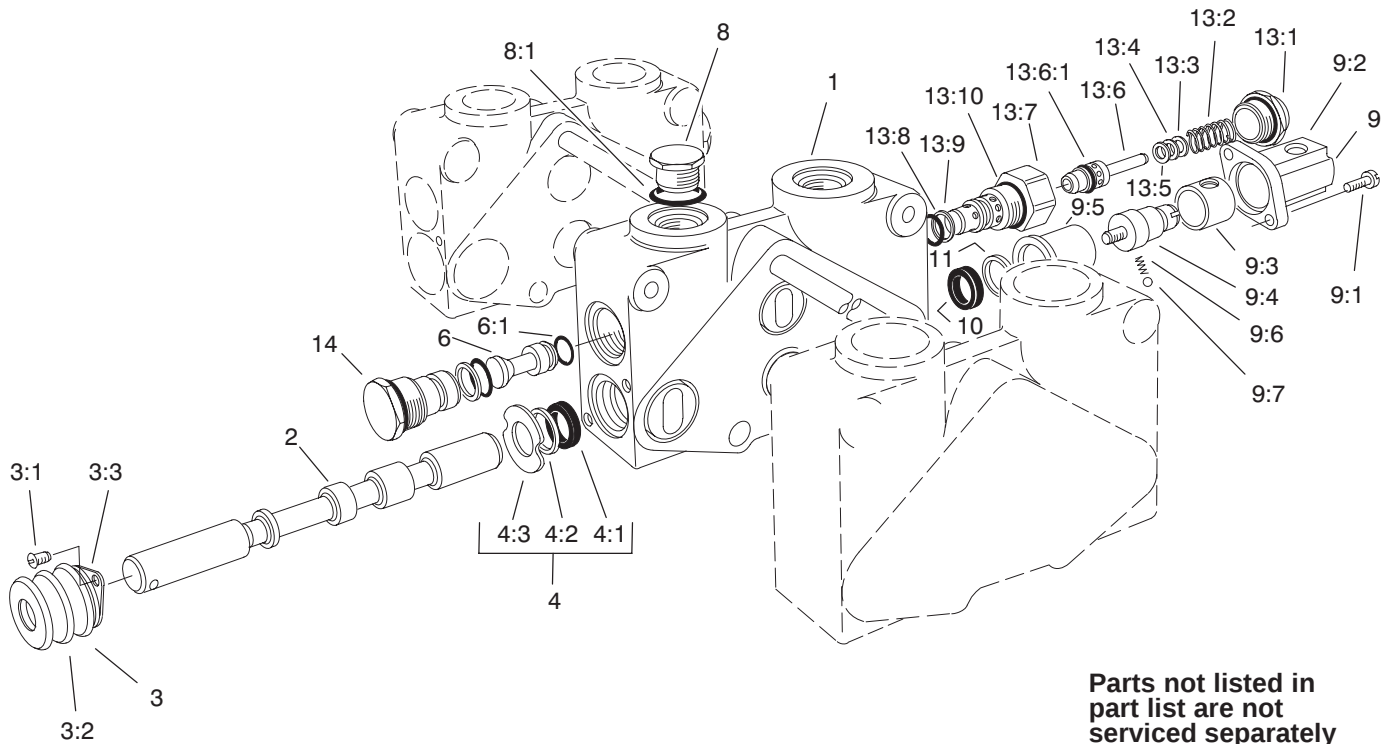


T-3775
Sheet No.:A7

Section 3 Assembly No. 105-3803

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
☆1		1	Housing-V20t	6:6:1	353-392	1	Ring-Piston
☆2		1	Spool-V20	6:7	353-328	1	Shim (.040)
3	92-2548	2	Kit-Set, Spool	6:8	353-329	1	Shim (.020)
3:1	353-957	1	Cup-Seal	6:9	353-330	1	Shim (.010)
3:2	92-2546	1	Wiper-Seal	6:10	353-398	1	Spring
3:3	92-2547	1	Seal-Retainer	6:11	353-334	1	Cap-Relief
4	93-3652	1	Boot-Dust	7	105-3808	1	Positioner-Spring Return
4:1	3274-52	2	Screw-HSH	7:1	353-417	2	Collar-Stop
4:2	353-575	1	Boot	7:2	99-6895	1	Bonnet
4:3	93-3651	1	Retainer-Boot	7:3	52-5900	2	Screw
5	354-129	1	Anticavitation Check ASM	7:4	52-5860	1	Collar-Spool
5:1	237-54	1	O-Ring	7:5	104-7741	1	Spring
5:2	353-306	1	Washer-Backup	7:6	3253-3	2	Washer-Lock
5:3	353-305	1	O-Ring	☆36		1	O-Ring
5:4	353-302	1	O-Ring	☆37		3	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				
6:6	353-531	1	Poppet & Ring ASM				

☆ Not serviced separately



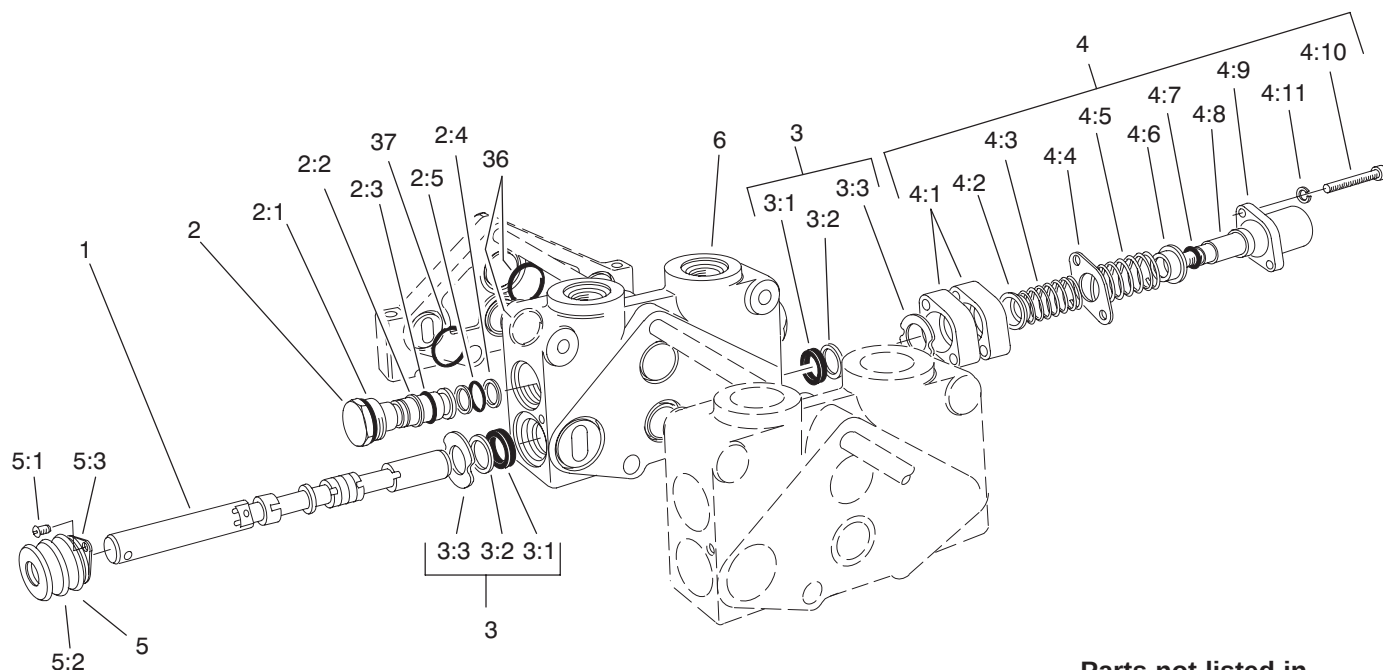
T-3776
Sheet No.:A8

Section 4 Assembly No. 105-3804

Ref. No.	Part No.	Qty.	Description
☆1		1	Housing-V20p
☆2		1	Spool-V20
3	93-3652	1	Boot-Dust
3:1	3274-52	2	Screw-HSH
3:2	353-575	1	Boot
3:3	93-3651	1	Retainer-Boot
4	92-2548	1	Kit-Set, Spool
4:1	353-957	1	Cup-Seal
4:2	92-2546	1	Wiper-Seal
4:3	92-2547	1	Seal-Retainer
6	353-844	1	Plug
6:1	353-850	1	O-Ring
8	353-550	1	Plug-HYD
8:1	237-79	1	O-Ring
9	353-840	1	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	1	Ball
10	353-957	1	Cup-Seal
11	353-958	1	Washer
13	354-140	1	Relief-Rcm
13:1	353-334	1	Cap-Relief

Ref. No.	Part No.	Qty.	Description
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 & Ring ASM
13:6:1	353-392	1	Ring-Piston
13:7	353-851	1	Body-Relief
13:8	353-305	1	O-Ring
13:9	353-306	1	Washer-Backup
13:10	237-54	2	O-Ring
14	353-953	1	Plug ASM

☆ Not serviced separately



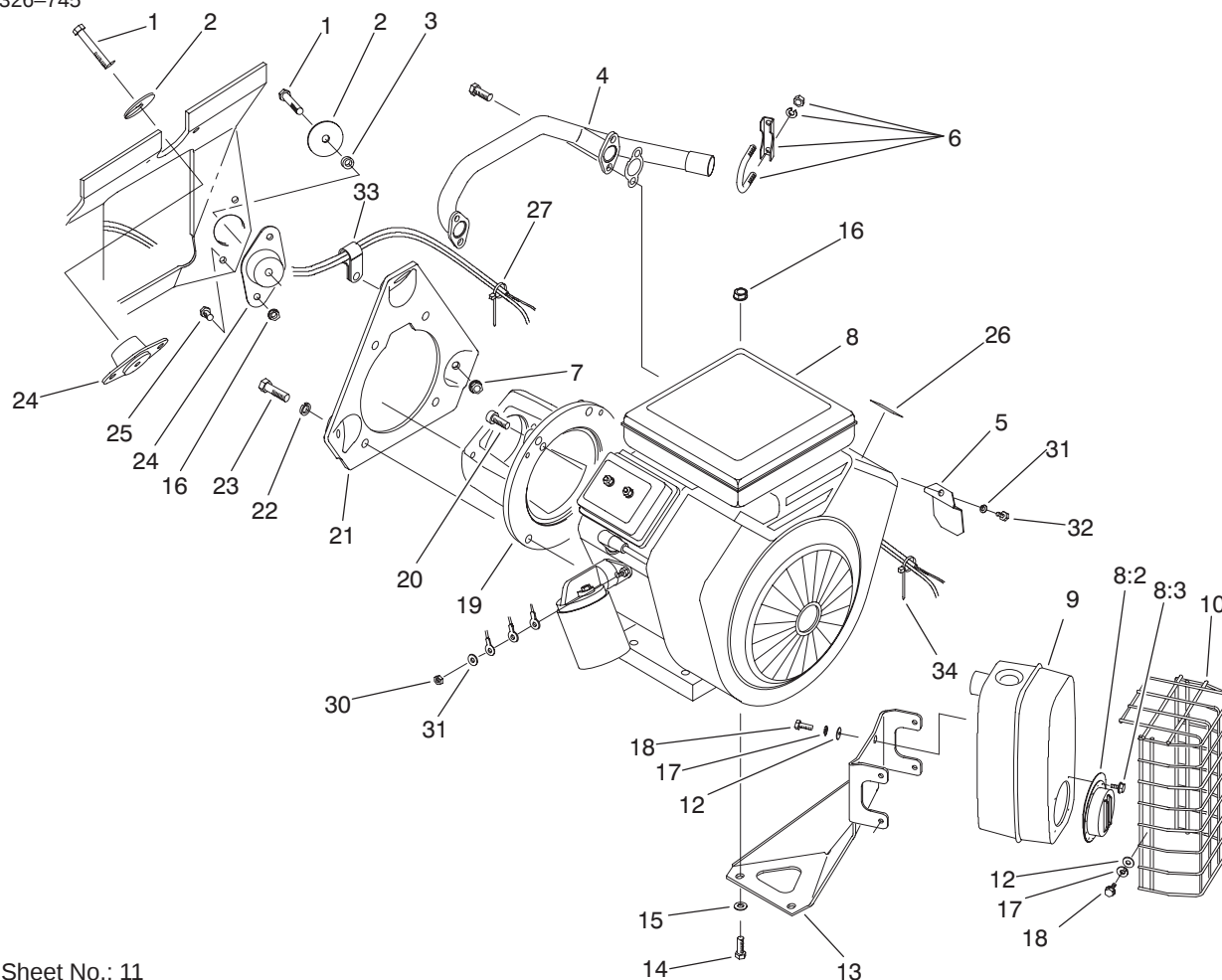
Parts not listed in
part list are not
serviced separately

T-3779
Sheet No.:A9

Section 5 Assembly No. 93-1386

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	94-5434	1	Spool	5:3	93-3651	1	Retainer-Boot
2	353-481	2	Lift Check ASM	☆6		1	Housing-V20p
2:1	237-54	1	O-Ring	☆36		1	O-Ring
2:2	353-306	1	Washer-Backup	☆37		3	O-Ring
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	Kit-Set, Spool				
3:1	353-957	1	Cup-Seal				
3:2	92-2546	1	Wiper-Seal				
3:3	92-2547	1	Seal-Retainer				
4	353-833	1	Positioner ASM				
4:1	353-733	2	Spacer-Bonnet				
4:2	353-417	1	Collar-Stop				
4:3	353-831	1	Spring				
4:4	353-529	1	Plate-Retainer, Seal				
4:5	92-3148	1	Spring-Traction				
4:6	353-808	1	Collar-Spring				
4:7	353-830	1	O-Ring				
4:8	94-4248	1	Collar-Spool				
4:9	99-6895	1	Bonnet				
4:10	354-28	2	Screw-HS				
4:11	3253-4	2	Washer-Lock				
5	93-3652	1	Boot-Dust				
5:1	3274-52	2	Screw-HSH				
5:2	353-575	1	Boot				

☆ Not serviced separately

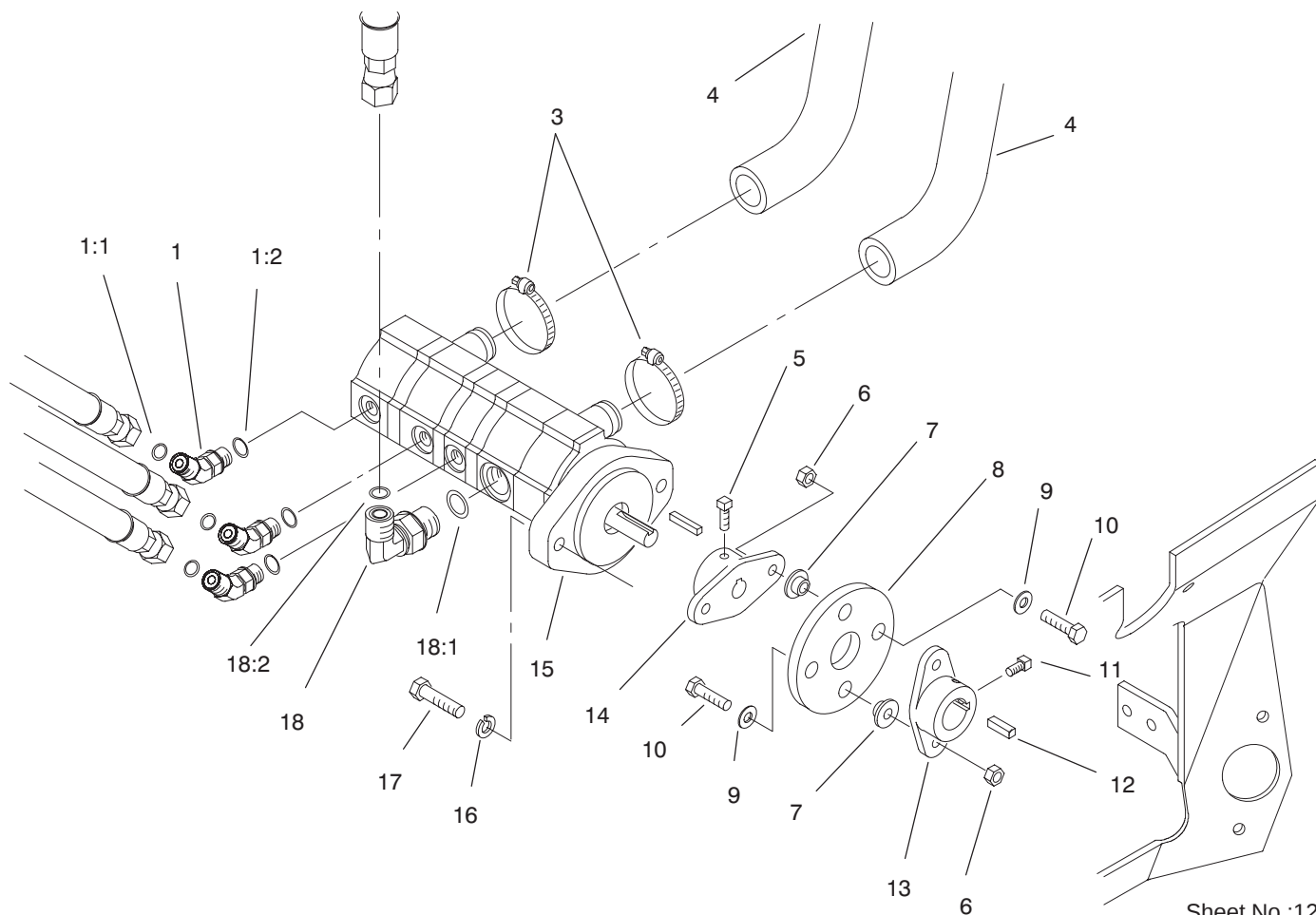


Sheet No.: 11

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	100-6424	1	Engine-B&s 303447-1408-E1
8:2	83-2220	1	Deflector-Exhaust
8:3	83-2230	4	Screw-HH
9	98-0616	1	Muffler ASM
10	83-1400-03	1	Shield-Muffler
12	3256-1	8	Washer-Flat
13	83-1630-03	1	Bracket-Support, Muffler
14	322-8	2	Screw-HH
15	3256-23	2	Washer-Flat
16	32128-20	8	Nut-HF
17	3253-3	8	Washer-Lock
18	49-2040	8	Screw-Tapping
19	83-1060-03	1	Adapter-Pump
20	3274-7	2	Screw-HSH
21	85-8120-03	1	Plate-Mount, Engine
22	3253-6	4	Washer-Lock
23	324-7	4	Screw-HH

Ref. No.	Part No.	Qty.	Description
24	83-1030	3	Mount-Engine
25	322-3	6	Screw-HH
26	93-8069	1	Decal-Surface, Hot
27	3290-379	1	Tie-Cable
30	43-2830	1	Nut-Hex
31	43-5930	2	Washer-Spring
32	33113-016	1	Screw-HH
33	2412-81	1	Clamp
34	3290-378	2	Tie-Cable

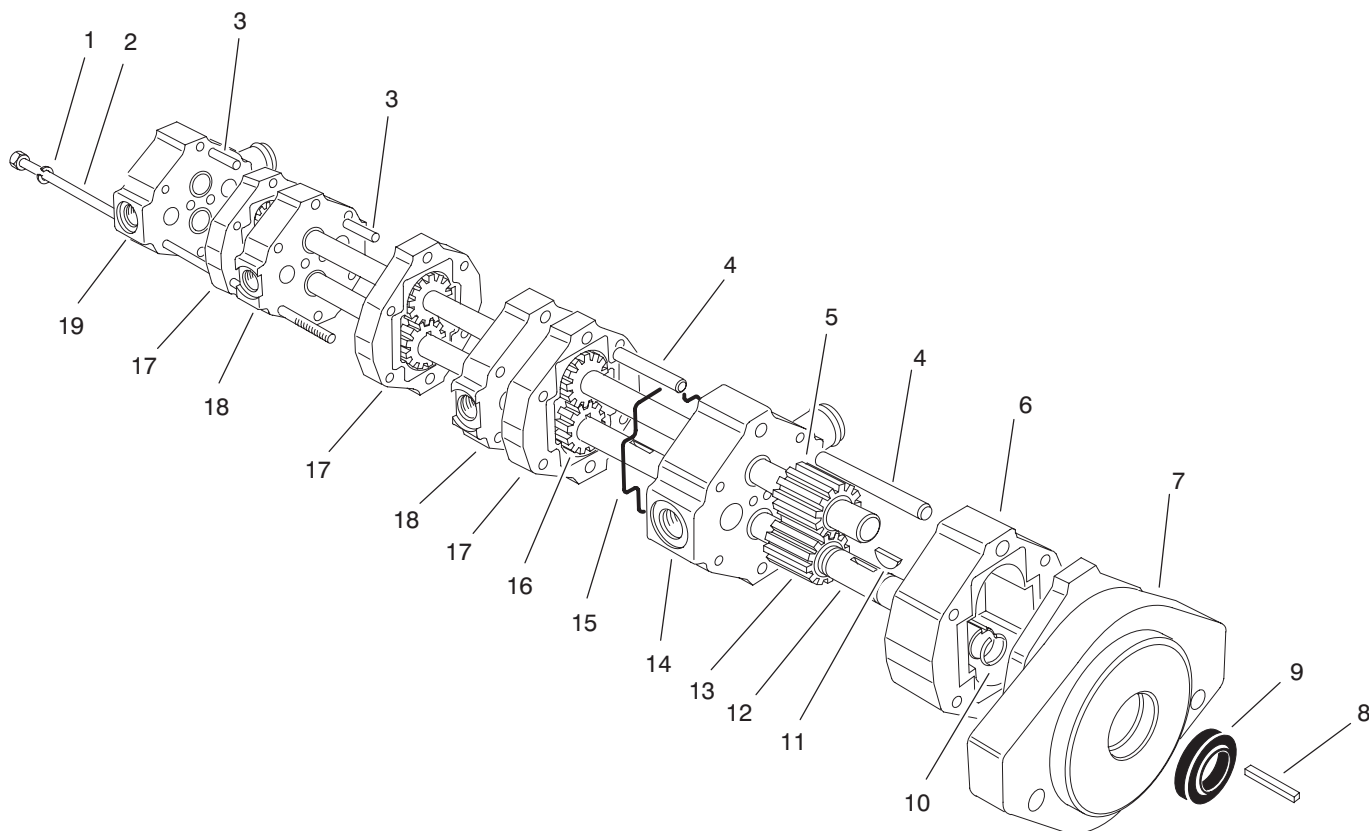


Sheet No.:12

Hydraulic Pump Installation Assembly

Ref. No.	Part No.	Qty.	Description
1	340-87	3	Fitting-HYD, 45°
1:1	237-22	1	O-Ring
1:2	237-42	1	O-Ring
3	2412-34	2	Clamp-Hose
4	95-5966	2	Hose-Pump Inlet
5	3241-6	2	Screw-SQH
6	3296-29	4	Nut-Lock, NI
7	27-6600	4	Spacer-Coupling
8	44-2230	1	Coupling-Rubber
9	3256-23	4	Washer-Flat
10	322-6	4	Screw-HH
11	3241-2	2	Screw-SQH
12	10-7070	1	Key-Square
13	27-1960	1	Hub-Engine
14	27-1970	1	Hub-Pump
15	95-5976	1	Pump-Gear, 4 Section
16	3253-21	2	Washer-Lock
17	323-8	2	Screw-HH
18	340-105	1	Fitting-90°
18:1	237-80	1	O-Ring
18:2	237-30	1	O-Ring

Ref. No.	Part No.	Qty.	Description

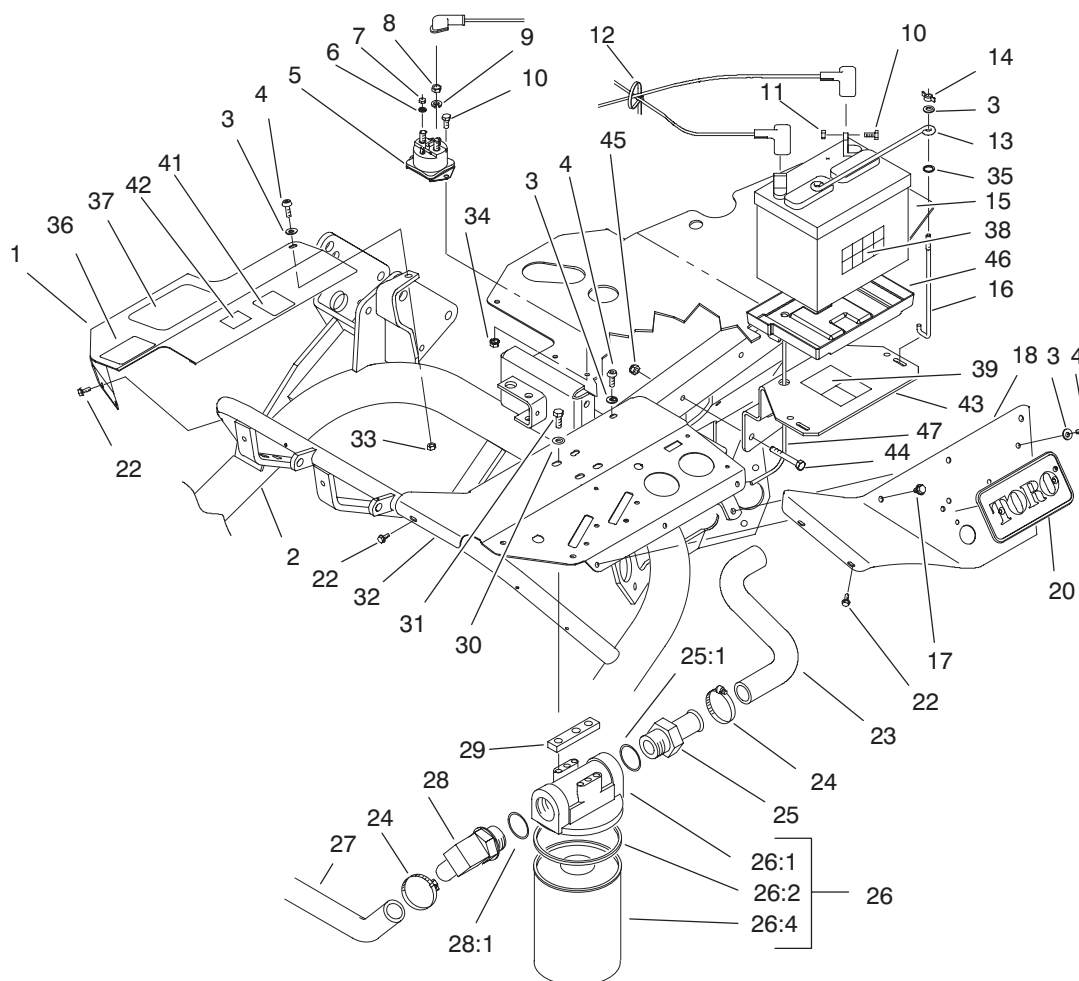


Sheet No.:B1
T-2699

Hydraulic Pump Assembly No. 95-5976

Ref. No.	Part No.	Qty.	Description
1	354-16	4	Washer
2	98-0614	4	Stud-Threaded
3	354-11	4	Dowel
4	98-0610	4	Pin-Dowel
5	98-0608	1	Shaft-Idler
6	353-919	1	Gear Plate-Pump
7	98-0611	1	Body ASM
8	5-0946	1	Key-Square
9	353-931	1	Seal-Oil
10	353-886	4	Ring-Retaining
11	353-884	5	Key
12	98-0609	1	Shaft-Drive
13	92-9773	2	Gear-59b
14	353-3	1	Bearing Plate ASM
15	353-922	8	Ring-Seal
16	353-967	6	Gear
17	353-969	3	Plate-Gear
18	98-0612	2	Bearing Plate ASM
19	98-0613	1	Cover ASM

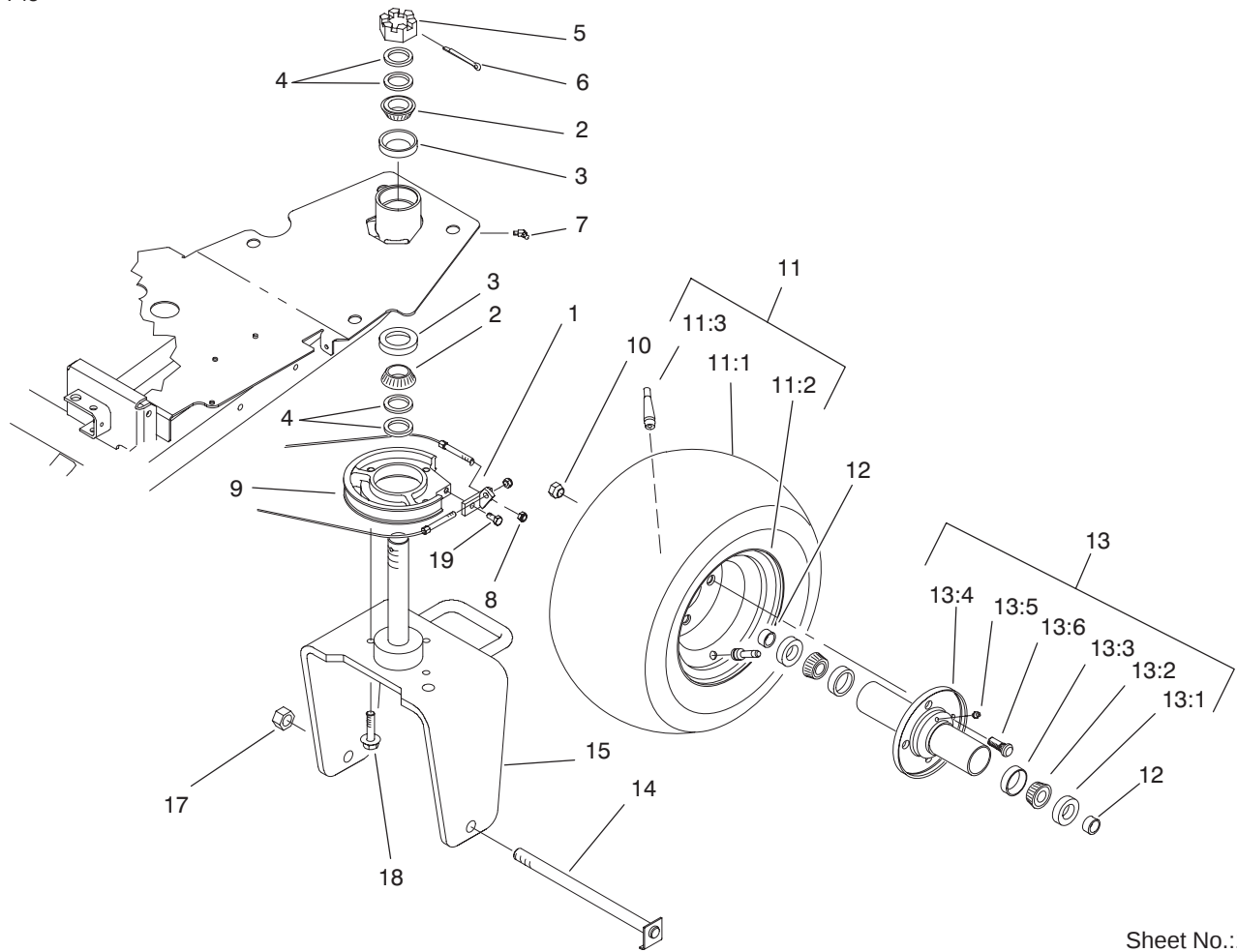
Ref. No.	Part No.	Qty.	Description



Sheet No.:13

Frame Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	94-2694-01	1	Cover-RH	26:1	44-5560	1	Head-Filter, Oil
2	95-5981-01	1	Frame ASM	26:2	72-3850	1	Seal-Filter, Oil
3	3256-22	3	Washer-Flat	26:4	74-3570	1	Filter
4	3274-69	3	Screw-HSBH	27	68-5880	1	Hose-HYD
5	28-4210	1	Solenoid	28	353-564	1	Fitting-90°
6	3254-1	2	Washer-Lock, Internal	28:1	237-101	1	O-Ring
7	3219-14	2	Nut-Hex	29	27-2380	2	Spacer
8	3218-13	2	Nut-Jam	30	3256-23	4	Washer-Flat
9	3253-4	2	Washer-Lock	31	322-4	4	Screw-HH
10	321-3	4	Screw-HH	32	83-0830-01	1	Panel-Control, Upper
11	3217-5	2	Nut-Hex	33	3296-16	1	Nut-Lock, NI
12	3290-378	1	Tie-Cable	34	32149-2	2	Nut
13	100-6434	1	Rod-Battery, Hold Down	35	237-143	2	O-Ring
14	32103-22	2	Nut-Wing	36	93-8065	1	Decal-Traction
15	92-1677	1	Battery-Dry	37	67-1300	1	Decal-Toro
16	100-6435	2	Post-Battery	38	93-7276	1	Decal-Danger
17	46-8560	3	Screw-HHF	39	93-6668	1	Decal-Battery
18	83-0840-01	1	Shield-Cover, Valve	41	105-4674	1	Decal-Noise, Ce
20	105-9751	1	Decal-Toro Logo	42	93-7252	1	Decal-International
22	32104-116	5	Screw	43	104-2064-03	1	Battery Base ASM
23	95-7119	1	Hose-Line, Return	44	322-11	2	Screw-HH
24	2412-34	3	Clamp-Hose	45	3296-29	2	Nut-Lock, NI
25	353-563	1	Fitting-HYD, Straight	46	106948	1	Tray-Battery
25:1	237-101	1	O-Ring	47	98-0601	1	Tube-Drain, Battery
26	74-3600	1	Filter & Head ASM				



Sheet No.:14

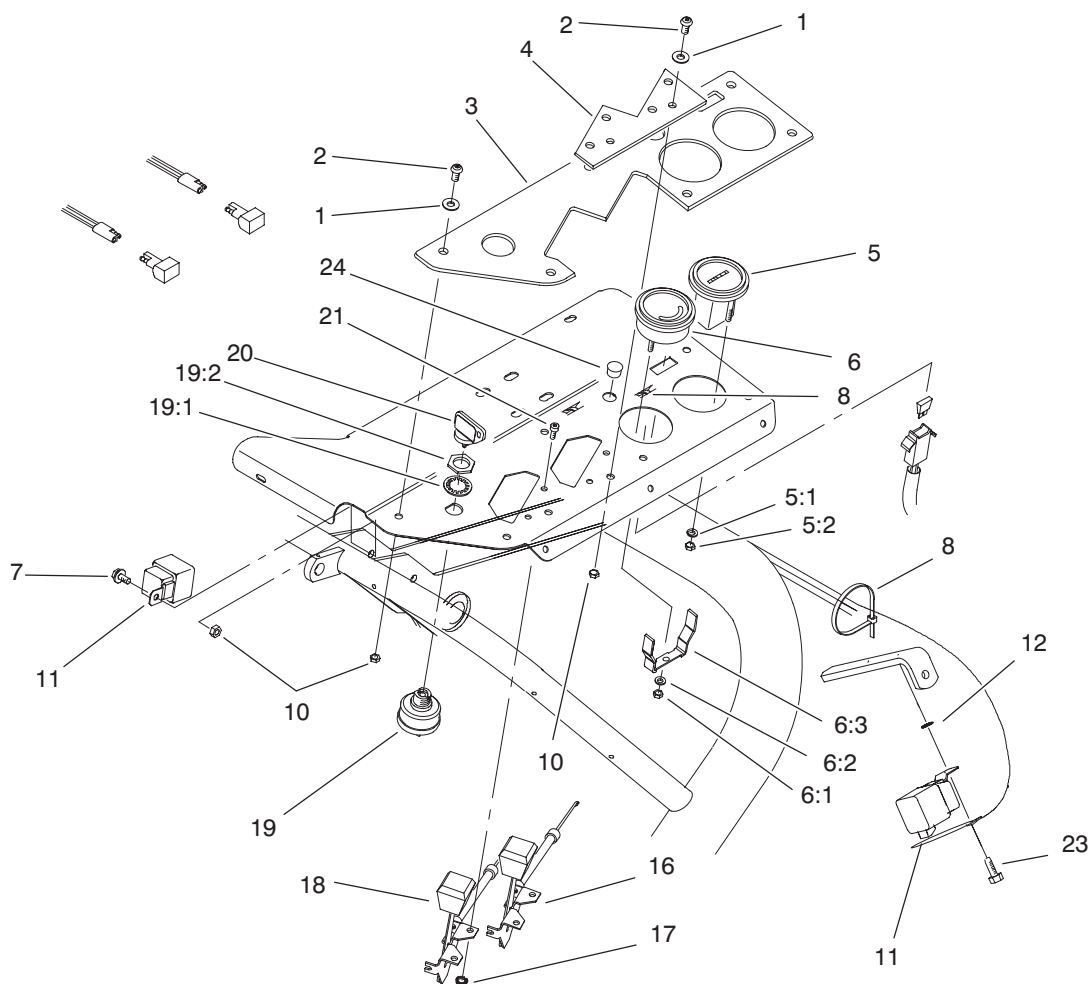
Rear Wheel Assembly

Ref. No.	Part No.	Qty.	Description
1	95-5956	1	Cable Anchor ASM
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	3296-4	2	Nut-Lock, NI
9	95-5955-01	1	Drum-Steering
10	242-50	4	Nut-Lug
☆11		1	Wheel & Tire ASM
11:1	28-3680	1	Tire
11:2	217-60	1	Rim
11:3	232-27	1	Stem-Valve
*11:5	232-37	1	Tube
12	74-3730	2	Spacer-Spindle, Rear
13	72-9710	1	Hub-Tire, 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
13:6	10-6830	4	Stud-Type, Drive
14	5-3934	1	Bolt-Caster
15	95-5952-01	1	Fork-Castor
17	3296-67	1	Nut-Lock NI

Ref. No.	Part No.	Qty.	Description
18	3234-24	3	Screw-HHF
19	322-3	1	Screw-HH

☆ Not serviced separately

* Not illustrated

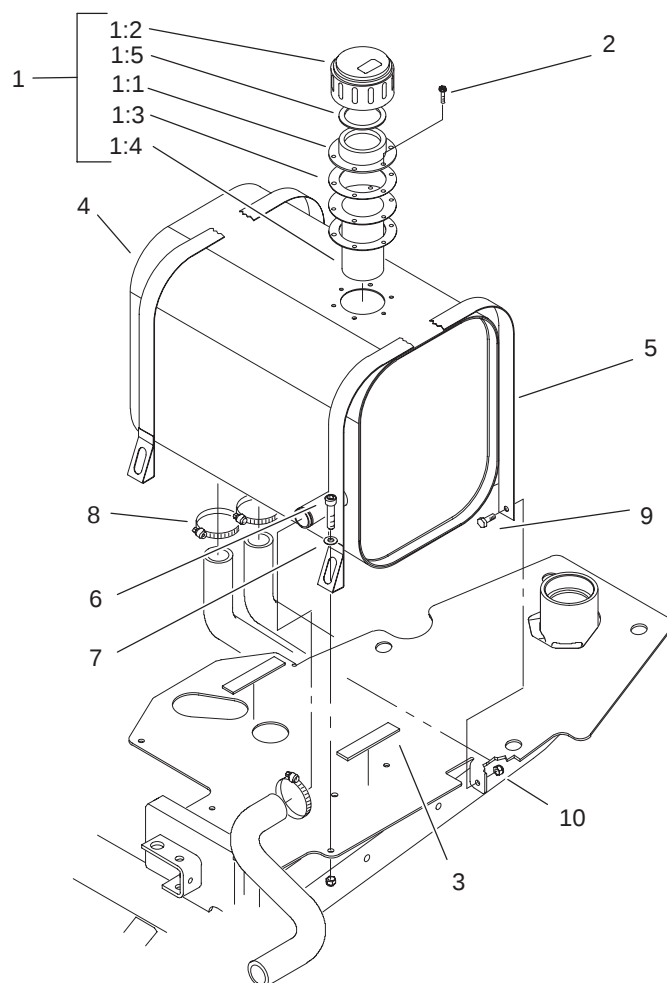


Sheet No.:15

Instrument Panel Assembly

Ref. No.	Part No.	Qty.	Description
1	3256-1	8	Washer-Flat
2	3274-69	8	Screw-HSBH
3	93-8061	1	Panel-Control
4	83-2030	1	Plate-Filler
5	66-2950	1	Gauge-Hourmeter
5:1	3255-20	2	Washer-Lock
5:2	3217-25	2	Nut-Hex
6	98-2160	1	Voltmeter
6:1	3217-27	1	Nut-Hex
6:2	3255-25	1	Washer-Lock
6:3	78-0080	1	Clamp-Mounting
7	321-4	1	Screw-HH
8	3290-378	3	Tie-Cable
10	3296-16	9	Nut-Lock, NI
11	70-1480	2	Relay
12	3255-7	1	Washer-Lock/Ext
16	83-0040	1	Control-Choke
17	3296-27	4	Nut-Lock NI
18	83-0030	1	Control-Throttle
19	88-9830	1	Key Switch ASM
19:1	3254-5	1	Washer-Lock, Internal
19:2	218-461	1	Nut-HH
20	63-8360	2	Key-Ignition
21	3273-26	4	Screw-HSH
23	32104-95	1	Screw-HWH
24	2410-64	1	Plug-Button

Ref. No.	Part No.	Qty.	Description

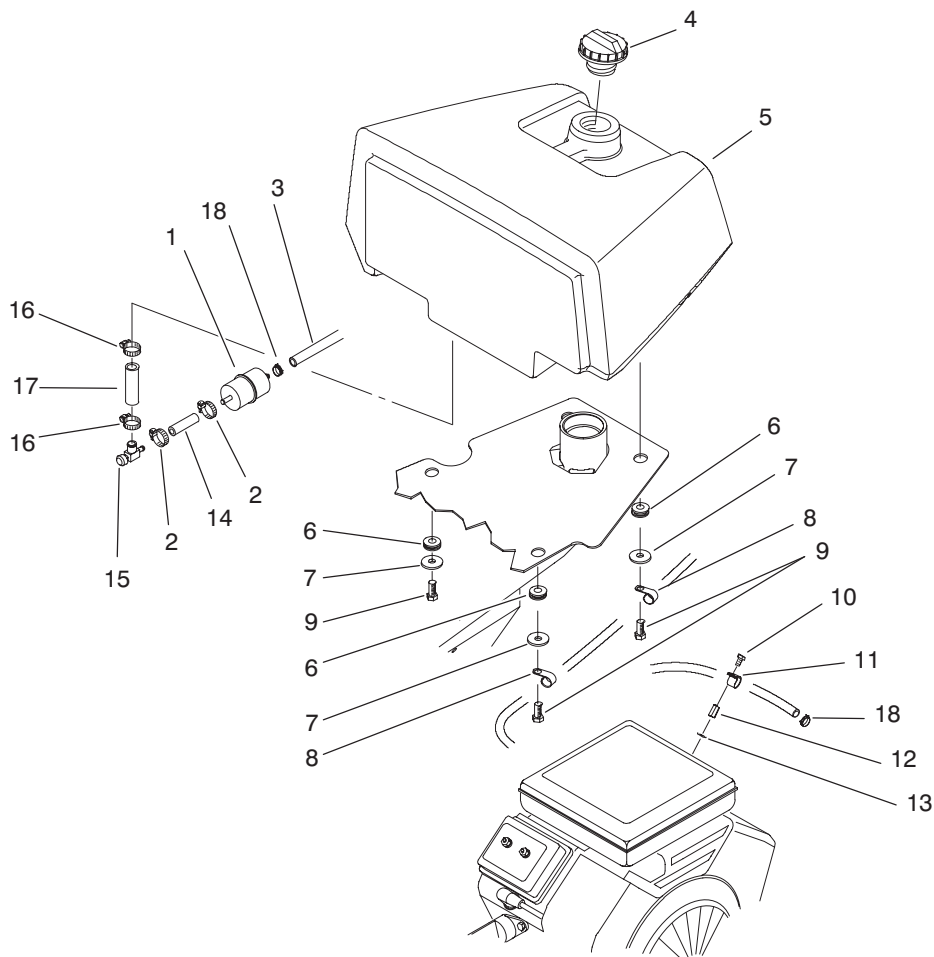


Sheet No.:16

Hydraulic Reservoir Assembly

Ref. No.	Part No.	Qty.	Description
1	62-2570	1	Filler Cap ASM
1:1	353-961	1	Flange
1:2	353-962	1	Cap ASM
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	6	Nut-Lock, NI

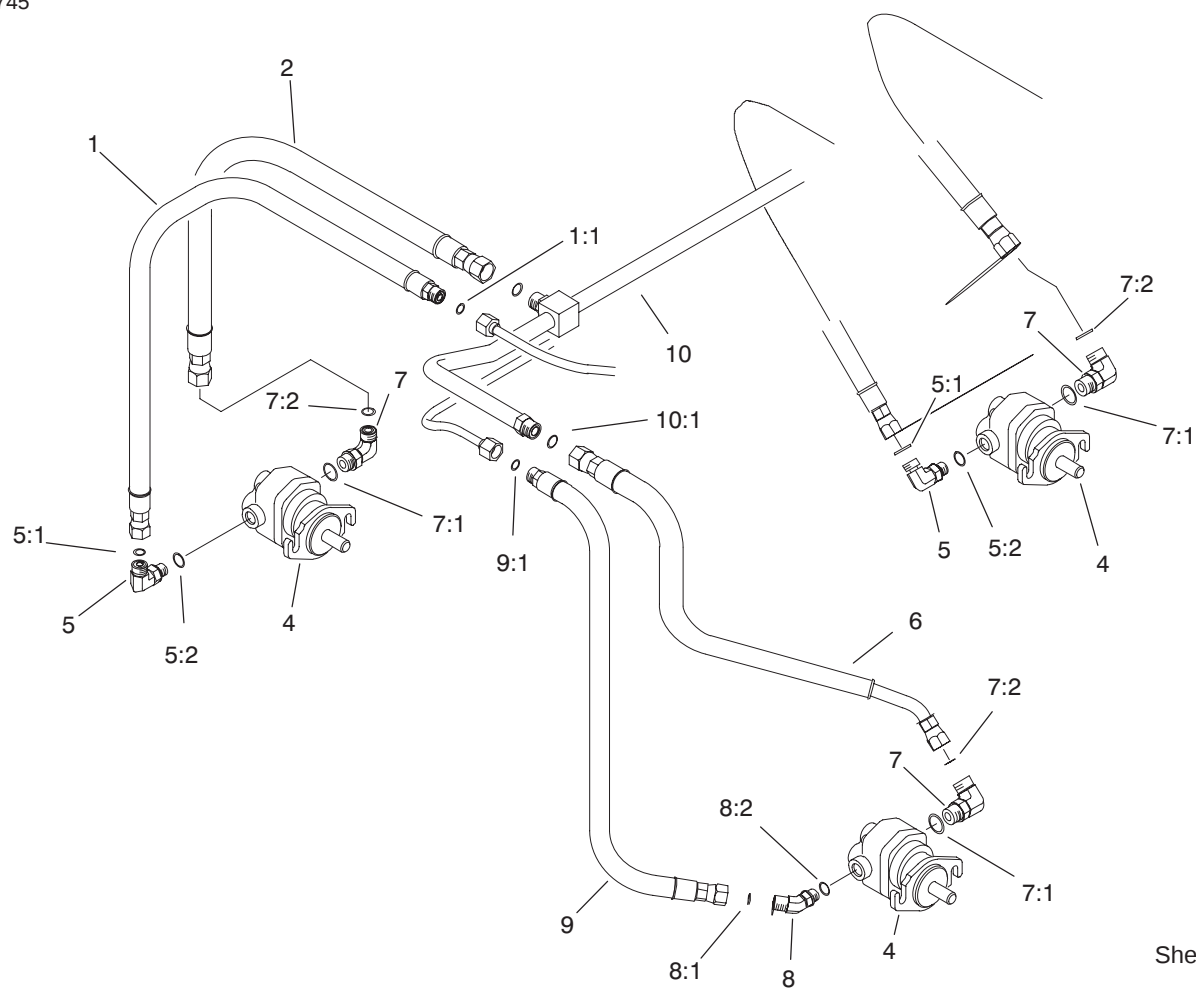
Ref. No.	Part No.	Qty.	Description



Sheet No.:17

Fuel Tank Assembly

Ref. No.	Part No.	Qty.	Description
1	94-2690	1	Filter-Fuel
2	2412-108	2	Clamp-Worm
3	83-2041	1	Hose-Fuel
4	93-7170	1	Cap-Fuel
5	92-7189	1	Tank-Gas
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
12	83-2200	1	Nut
13	3256-63	1	Washer-Flat
14	83-2040	1	Hose-Fuel
15	83-1390	1	Fitting-Shut-Off, Fuel
16	2412-36	2	Clamp-Hose
17	56-2230	1	Hose-Fuel
18	2412-98	2	Clamp

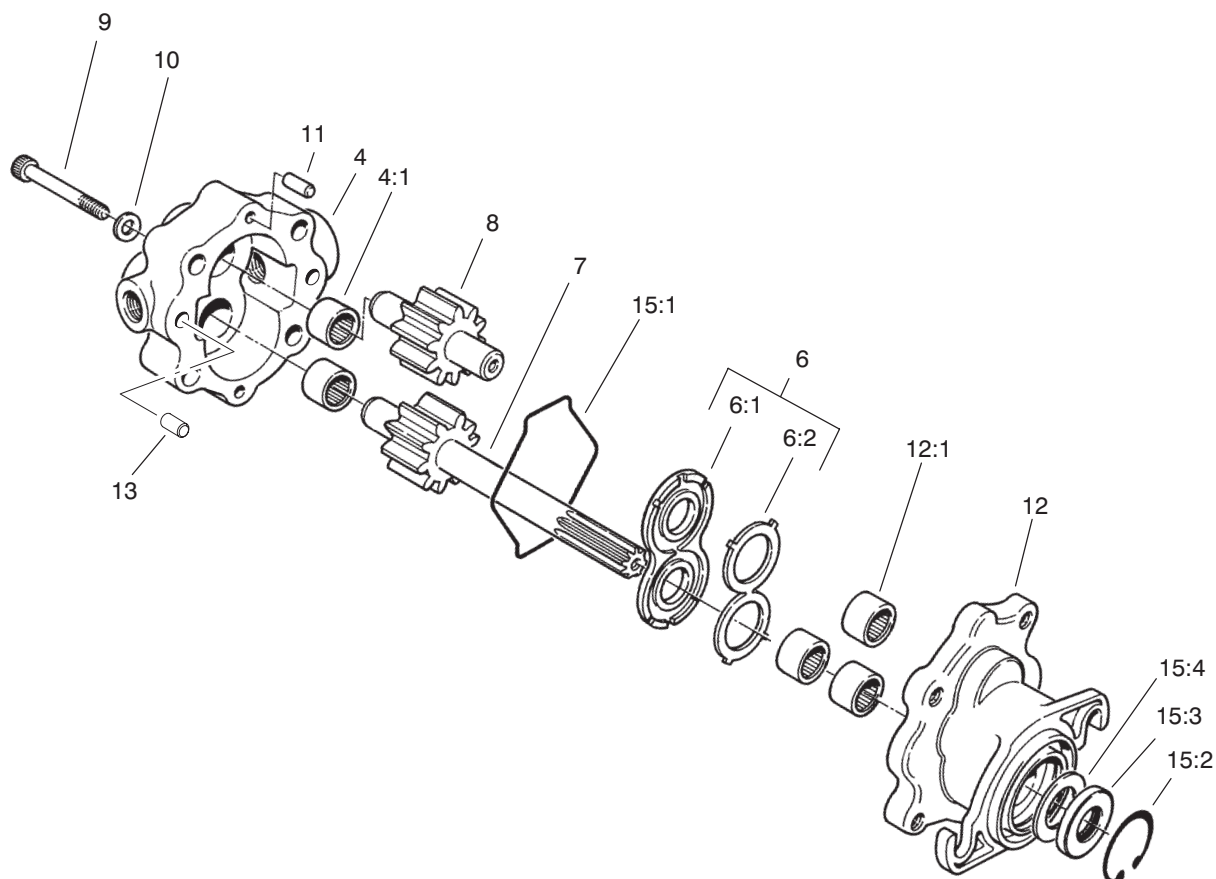


Sheet No.:18

Real Motor Installation Assembly

Ref. No.	Part No.	Qty.	Description
1	95-5984	1	Hose-HYD
1:1	237-22	1	O-Ring
2	95-5985	1	Hose-HYD
4	94-3506	3	Motor-Reel
5	340-77	2	Fitting-HYD, 90°
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°
7:1	237-79	1	O-Ring
7:2	237-30	1	O-Ring
8	340-87	1	Fitting-HYD, 45°
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

Ref. No.	Part No.	Qty.	Description



Sheet No.: B2

T-3373

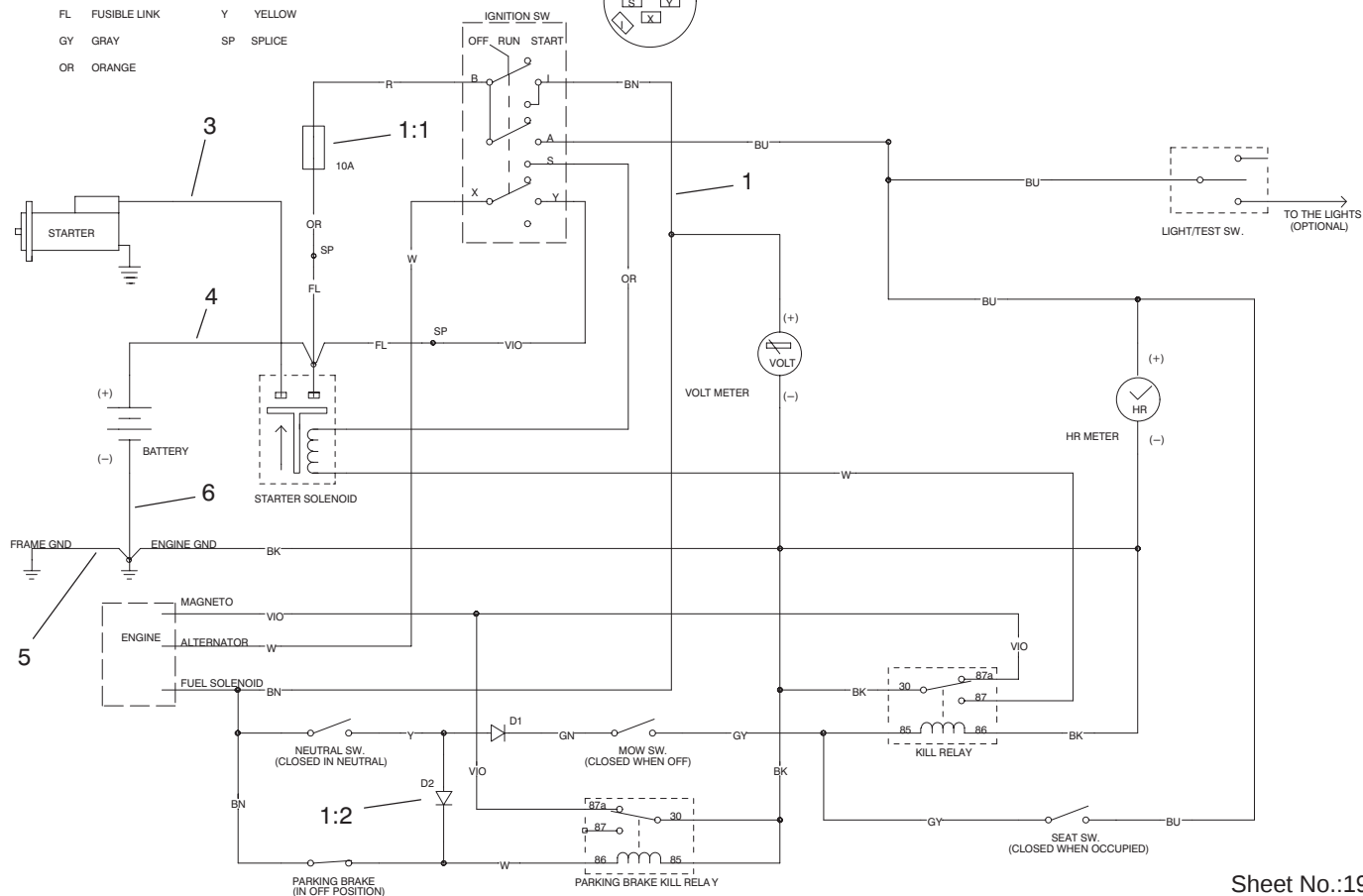
Reel Motor Assembly No. 94-3506

Ref. No.	Part No.	Qty.	Description
4	94-3507	1	Cover ASM
☆4:1		2	Bearing
6	104-7712	1	Load Plate ASM
6:1	104-7713	1	Plate-Load
6:2	104-7714	1	Seal-Load
7	94-3508	1	Driveshaft & Gear ASM
8	94-3509	1	Idler Shaft & Gear ASM
9	354-50	4	Screw-HSH
10	354-51	4	Washer
11	353-599	2	Pin-Dowel
12	92-8795	1	Body ASM
☆12:1		3	Bearing-Needle
13	92-8796	2	Pin-Dowel
15	92-8863	1	Kit-Repair
15:1	354-46	1	Ring-Seal
15:2	32151-41	1	Ring-Snap
☆15:3		1	Seal-Oil
15:4	353-590	1	Spacer

☆ Not serviced separately

BK	BLACK	PU	PURPLE
BN	BROWN	R	RED
BU	BLUE	W	WHITE
FL	FUSIBLE LINK	Y	YELLOW
GY	GRAY	SP	SPLICE
OR	ORANGE		

```
STOP ---- NONE
RUN ---- B+I+A; X+Y
START --- B+I+S
```

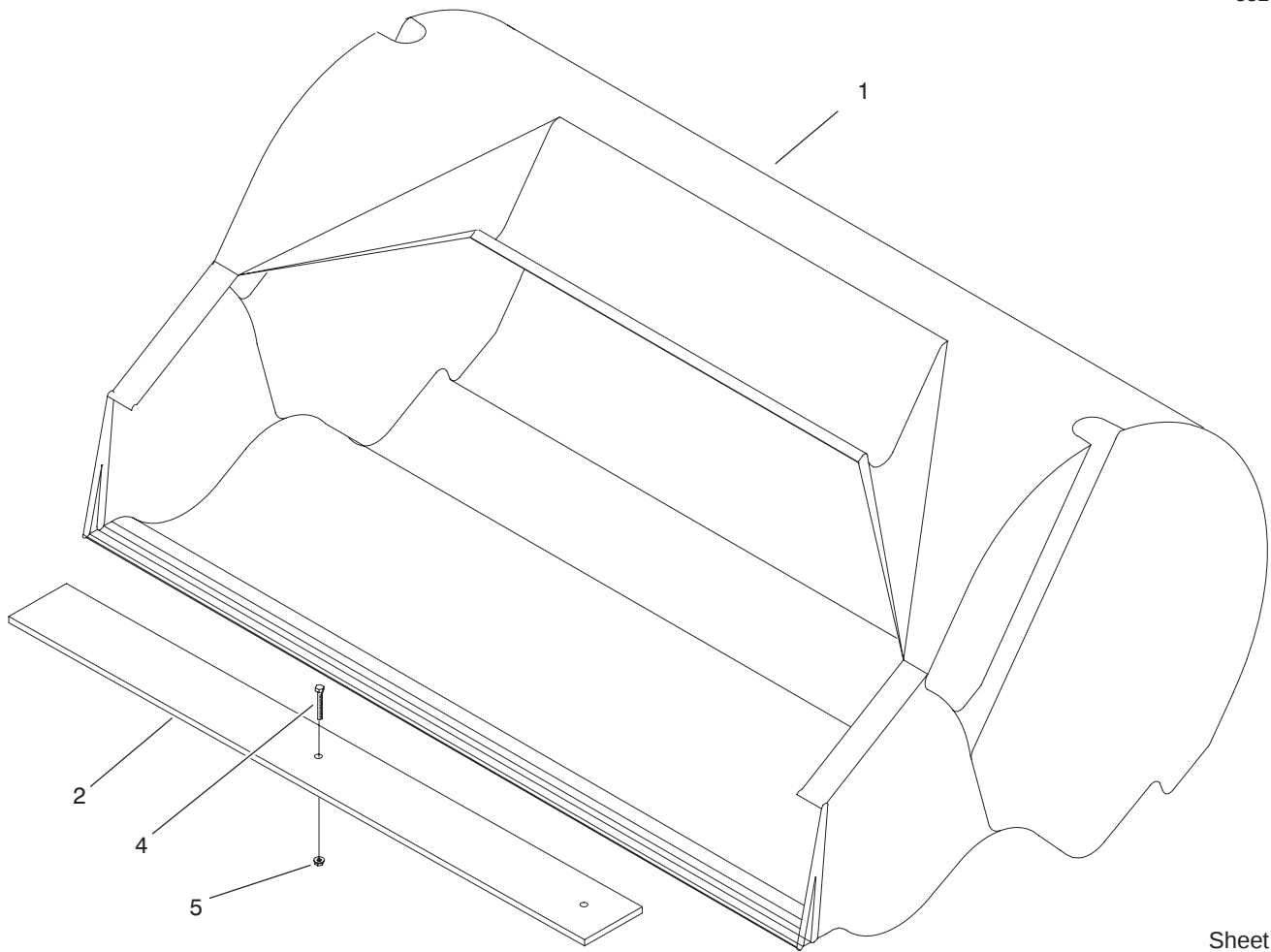


Wiring Assembly

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

Ref. No.	Part No.	Qty.	Description

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Sheet No.:20

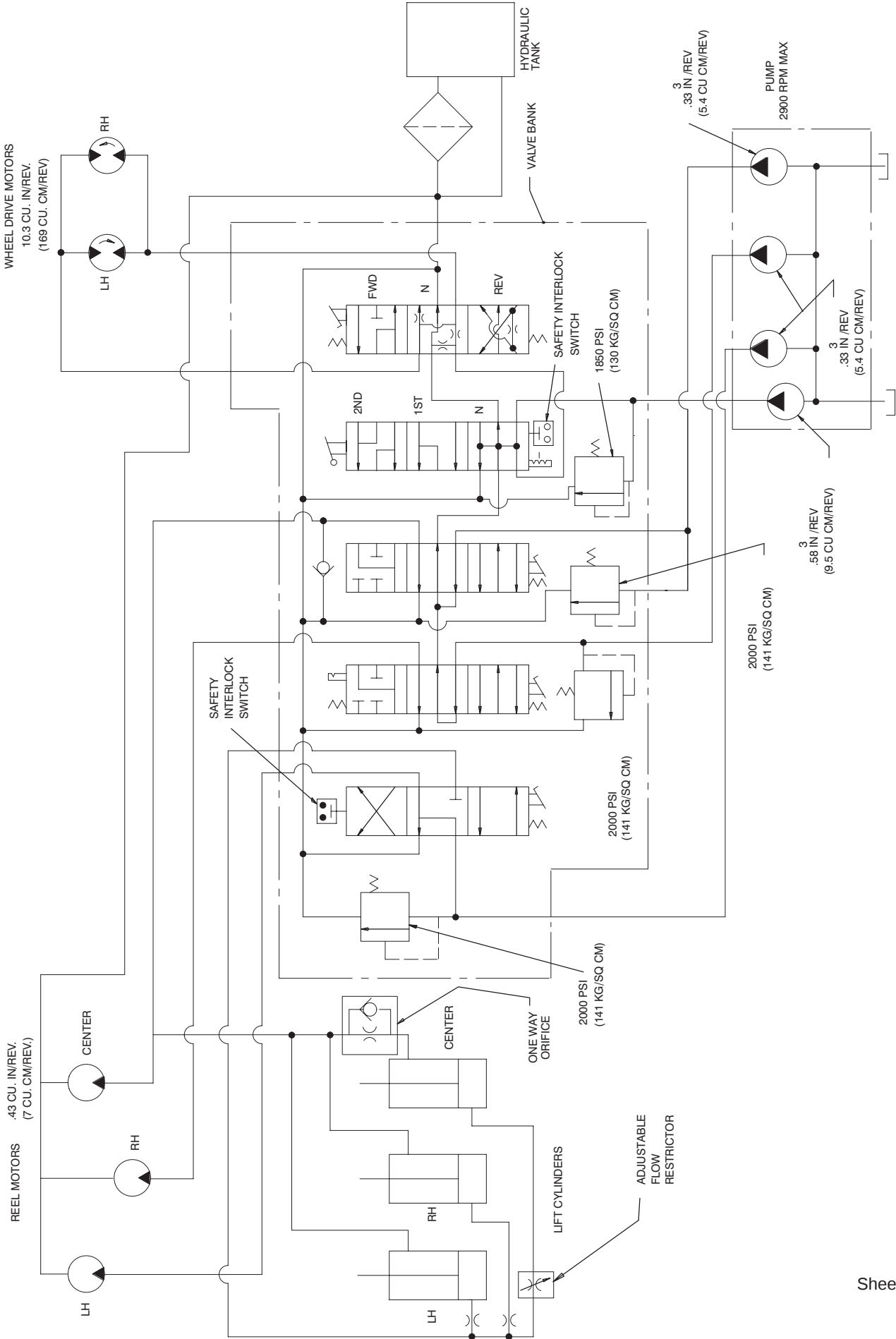
Grass Basket and Bar Gauge Assembly

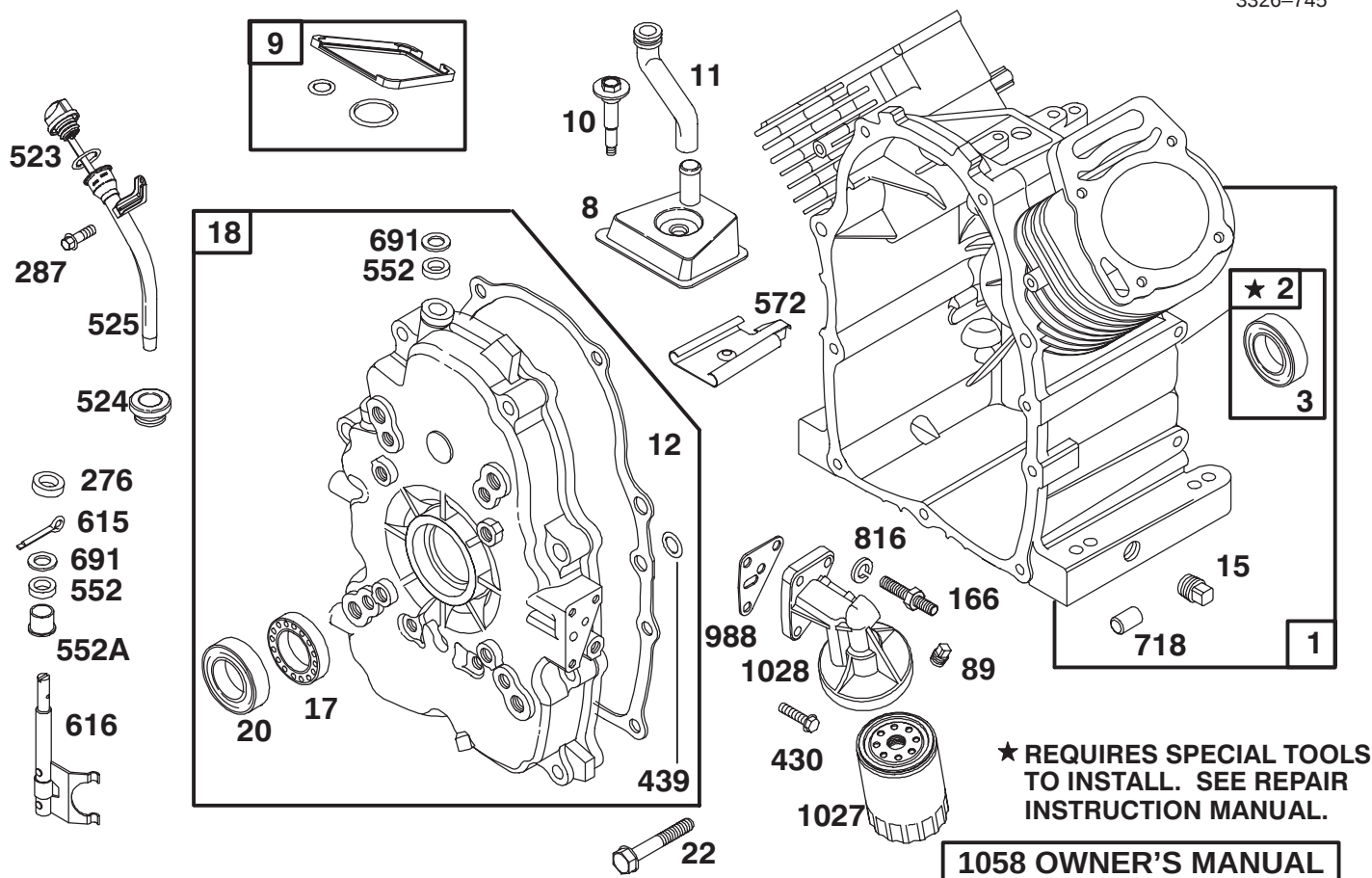
Ref. No.	Part No.	Qty.	Description
1	37-8130	3	Basket-Grass
2	65-8320	1	Bar-Gauge
*3	93-6691	3	Decal-Bolt, Eccentric
4	32122-22	1	Screw-HH
5	3219-14	1	Nut-Hex
*6	3290-379	3	Tie-Cable
*7	3290-378	1	Tie-Cable

Ref. No.	Part No.	Qty.	Description

* Not illustrated

Hydraulic Schematic





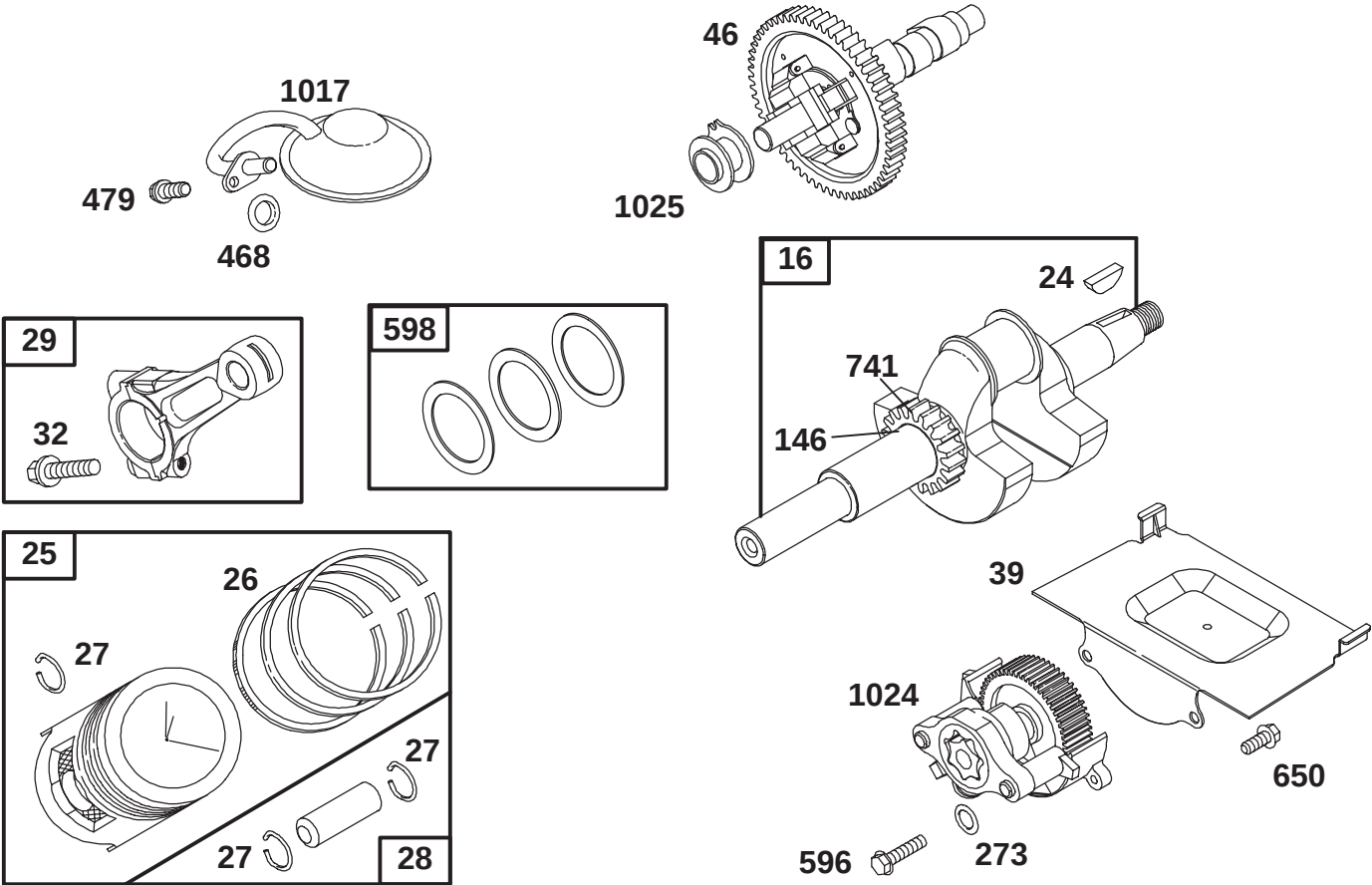
Assemblies include all parts shown in frames.

Cylinder Assembly Briggs and Stratton Model 303447-1408-E1

Ref. No.	Part No.	Qty.	Description
1	692178	1	Cylinder Assembly
2	808534	1	Cylinder Bearing
*3	805101	1	Oil Seal (Magneto Side)
8	807795	1	Breather Assembly
*9	807688	1	Breather Gasket
10	805751	1	Screw
11	806083	1	Breather Tube
12	806100	1	Crankcase Cover Gasket
15	94239	1	Oil Drain Plug
17	805754	1	Ball Bearing
18	808847	1	Crankcase Cover
*20	805049	1	Oil Seal (PTO Side)
22	692540	1	Screw (Crankcase Cover)
89	690283	1	Pipe Plug
166	805073	1	Oil Filter Adapter Stud
276	690704	1	Governor Shaft Washer
287	805247	1	Screw (Dipstick Tube)
430	690679	1	Screw (Oil Filter Adapter)

Ref. No.	Part No.	Qty.	Description
439	692154	1	O-Ring (Crankcase Cover)
523	693175	1	Dipstick
*524	693172	1	Dipstick Tube Seal
525	693174	1	Dipstick Tube
552	690701	1	Governor Shaft Bushing
552A	805413	1	Governor Shaft Bushing
572	690686	1	Breather Baffle
615	691550	1	Cotter Pin
616	806685	1	Governor Fork
*691	690680	1	Governor Shaft Seal
718	690684	1	Crankcase Dowel
816	690706	1	Washer
*988	805250	1	Oil Filter Adapter Gasket
1027	492932	1	Oil Filter
1028	808325	1	Oil Filter Adapter
1058	273685	1	Owner's Manual

* Included in Gasket Set – Part No. 808390.



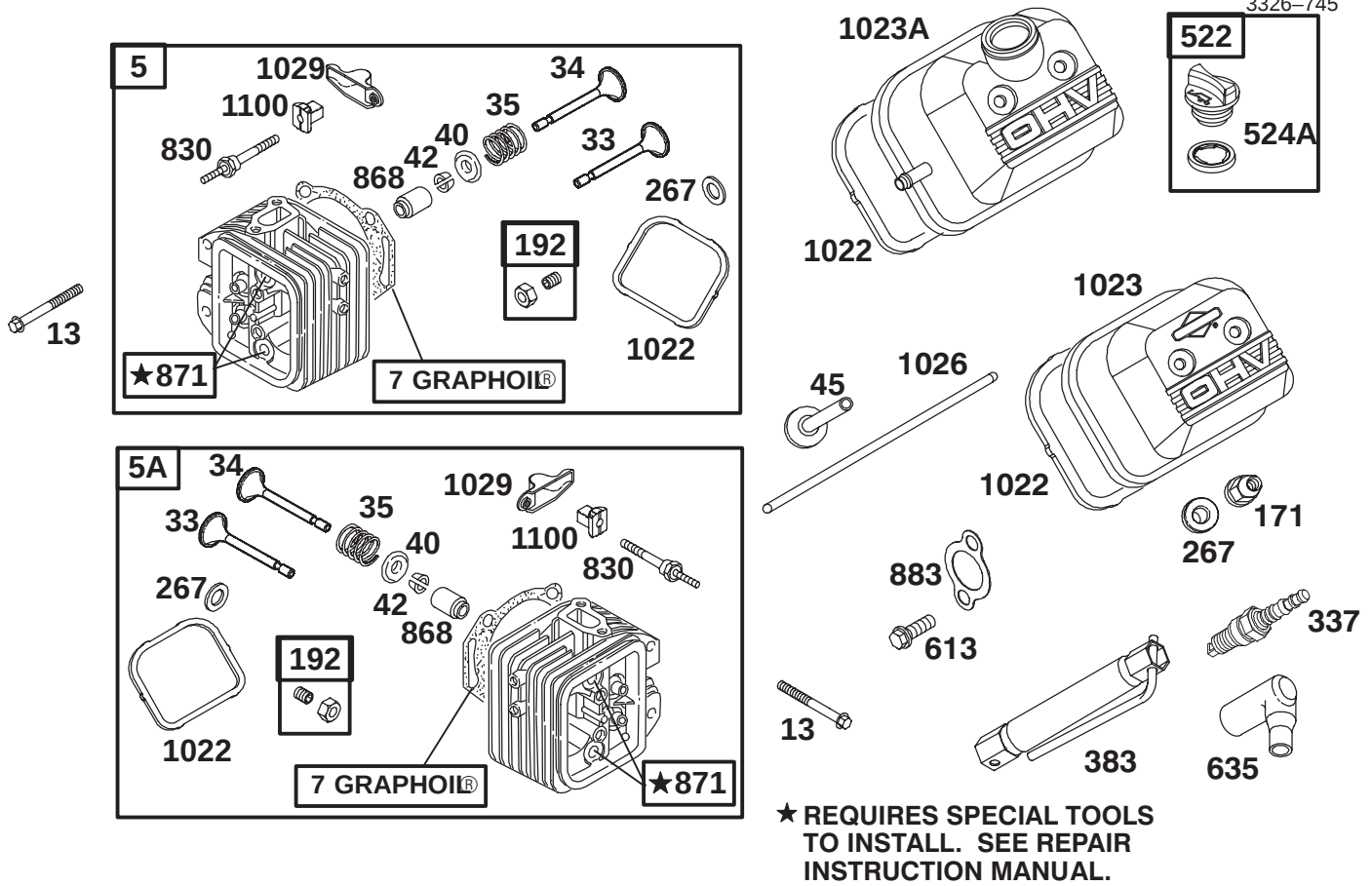
Assemblies include all parts shown in frames.

Crankshaft Assembly
Briggs and Stratton Model 303447-1408-E1

Ref. No.	Part No.	Qty.	Description
16	692161	1	Crankshaft
24	806066	1	Flywheel Key
25	807619	1	Piston Assembly (Standard)
	807807	1	Piston Assembly (.010 O.S.)
	807809	1	Piston Assembly (.020 O.S.)
	807811	1	Piston Assembly (.030 O.S.)
26	807620	1	Piston Ring Set (Standard)
	807808	1	Piston Ring Set (.010 O.S.)
	807810	1	Piston Ring Set (.020 O.S.)
	807812	1	Piston Ring Set (.030 O.S.)
27	690683	1	Piston Pin Lock
28	807621	1	Piston Pin Assembly
29	807900	1	Connecting Rod (Standard)
	807809	1	Connecting Rod (.020 U.S.)

Ref. No.	Part No.	Qty.	Description
32	690698	1	Screw (Connecting Rod)
39	690745	1	Oil Deflector
46	691557	1	Camshaft
146	94196	1	Timing Key
*273	690681	1	O-Ring Seal (Oil Pump)
*468	690690	1	O-Ring Seal (Oil Pump Screen)
479	692537	1	Screw
596	691492	1	Screw
598	807625	1	End Play Shim
650	692539	1	Screw
741	805984	1	Timing Gear
1017	690900	1	Oil Pump Screen
1024	693185	1	Oil Pump
1025	690689	1	Governor Slider

* Included in Gasket Set – Part No. 808390.



Assemblies include all parts shown in frames.

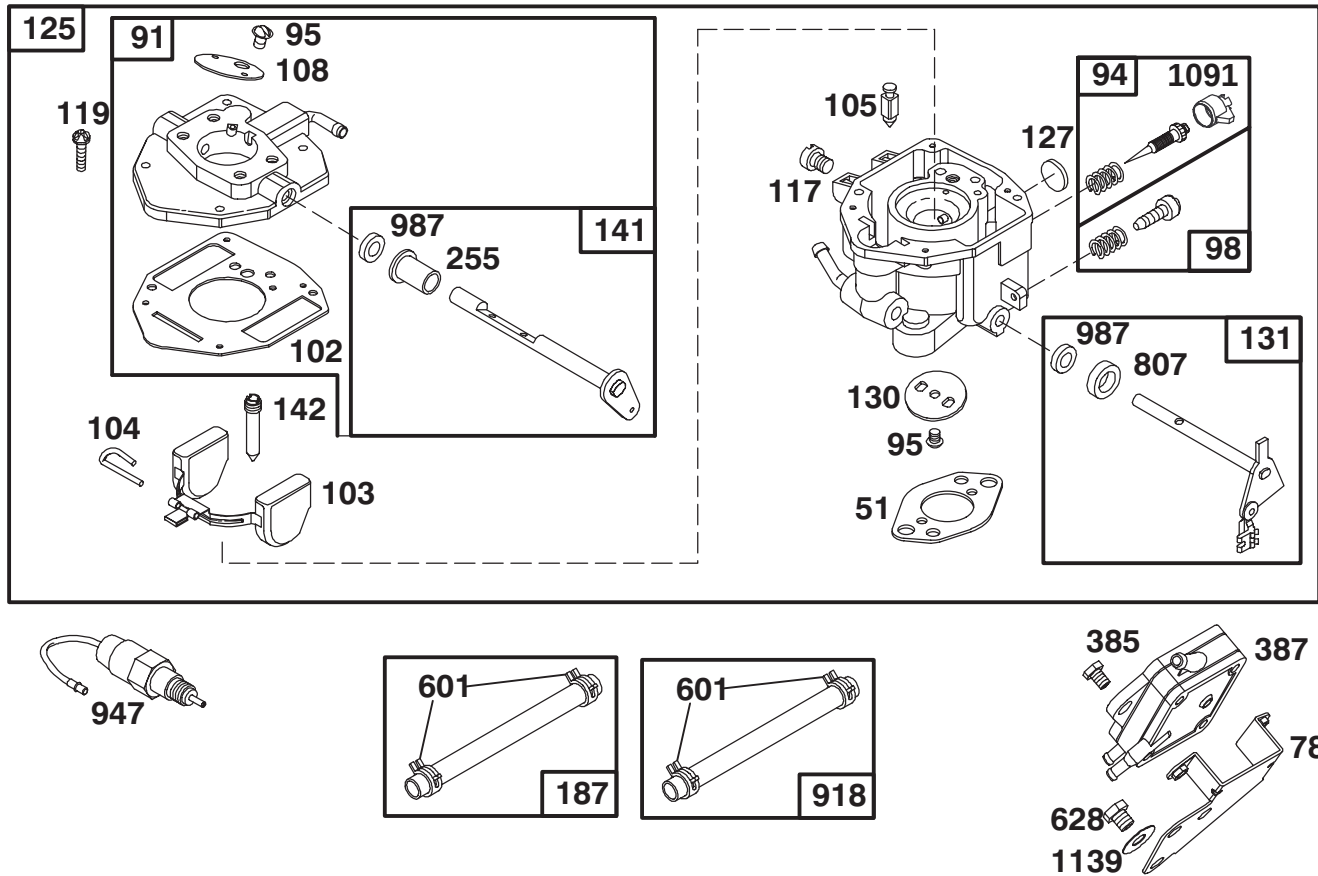
Cylinder Head Assembly Briggs and Stratton Model 303447-1408-E1

Ref. No.	Part No.	Qty.	Description
5	808381	1	Cylinder (Cyl. #1) Head
5A	808382	1	Cylinder (Cyl. #2) Head
*†7	806085	1	Cylinder Head Gasket
13	805097	1	Cylinder Head Screw
33	807681	1	Exhaust Valve
34	807680	1	Intake Valve
35	805937	1	Valve Spring
40	805092	1	Valve Spring Retainer
42	807683	1	Valve Retainer
45	262679	1	Valve Tappet
†171	805019	1	Nut (Air Cleaner)
192	807623	1	Screw
*†276	805420	1	Sealing Washer
337	491055	1	Spark Plug
*†338	691312	1	Dipstick Gasket
383	19374	1	Spark Plug Wrench
522	491832	1	Dipstick/Fill Plug
613	805158	1	Screw
635	805529	1	Spark Plug Elbow
830	691544	1	Rocker Arm Stud
868	805094	1	Valve Guide Seal
871	805084	1	Valve Guide
*†883	805024	1	Exhaust Gasket
*†1022	806039	1	Rocker Cover Gasket

Ref. No.	Part No.	Qty.	Description
1023	691494	1	Valve Cover
1023A	690910	1	Valve Cover
1026	805352	1	Push Rod (Intake Valve) Note: 805617 Push Rod (Exhaust Valve)
1029	691543	1	Rocker Arm
1100	690973	1	Rocker Arm Pivot

* Included in Gasket Set – Part No. 808390.

† Included in Valve Overhaul Kit – Part No. 808392



Assemblies include all parts shown in frames.

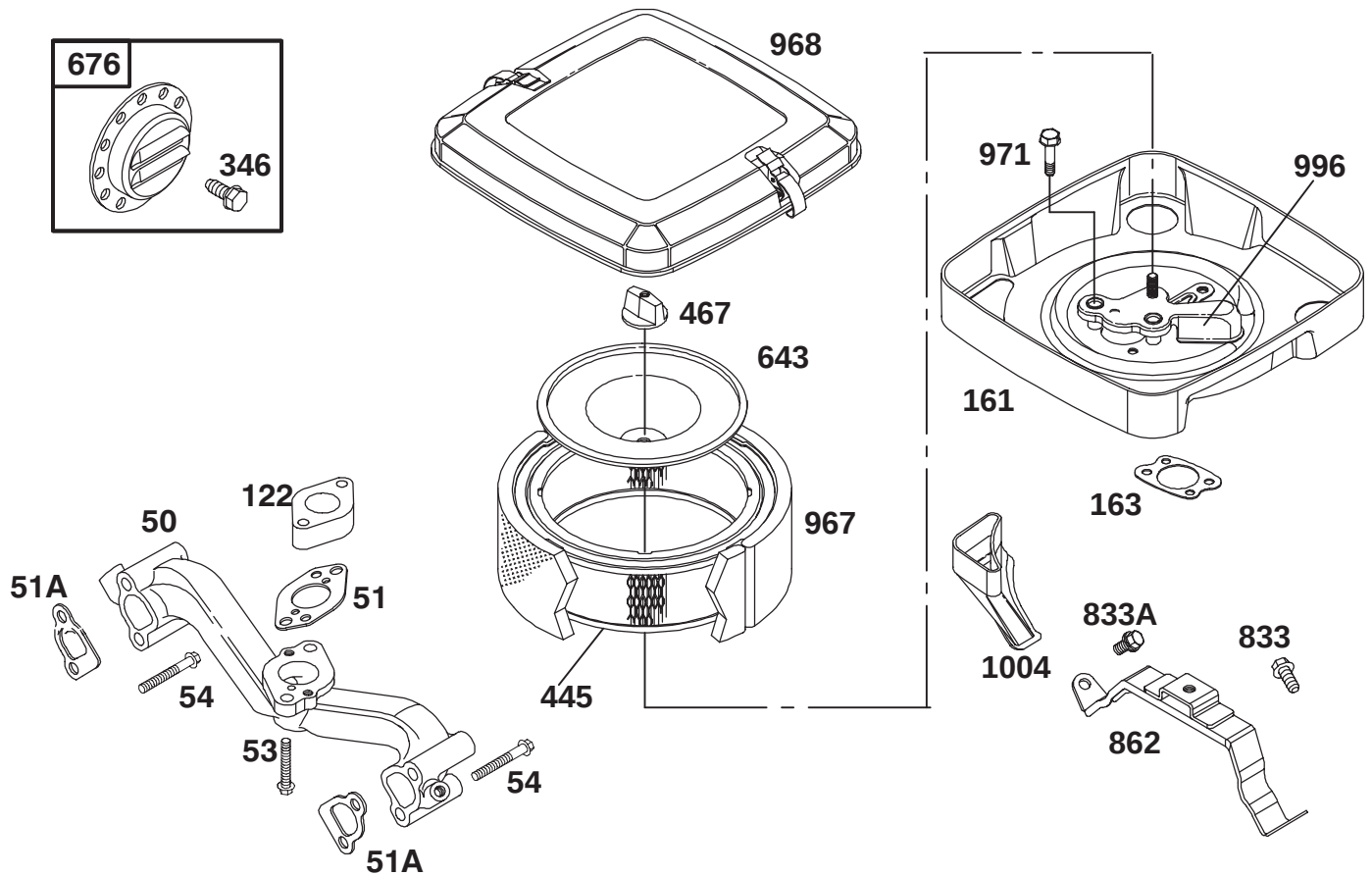
Carburetor Assembly Briggs and Stratton Model 303447-1408-E1

Ref. No.	Part No.	Qty.	Description
*51	805700	1	Carburetor Mtg. Gasket
91	807919	1	Upper Carburetor Body
†94	808257	1	Idle Mixture Kit
95	805538	1	Screw
98	808177	1	Screw
†102	805541	1	Carburetor Body Gasket
103	805546	1	Float Assembly
†104	805545	1	Float Hinge Pin
†105	805547	1	Float Needle Valve
108	805539	1	Choke Valve
117	805852	1	Main Jet
	805537	1	Main Jet (High Altitude)
119	805540	1	Screw
125	808251	1	Carburetor Assembly
†127	690727	1	Welch Plug
130	805554	1	Throttle Valve
131	807720	1	Throttle Shaft
141	807722	1	Choke Shaft
†142	690725	1	Carburetor Nozzle
187	691049	1	Fuel Line (Cut to Required Length)

Ref. No.	Part No.	Qty.	Description
†255	690721	1	Choke Shaft Bushing
385	806361	1	Screw
387	808969	1	Fuel Pump
601	93807	1	Hose Clamp
628	805247	1	Screw
†633	690722	1	Choke Shaft Seal
788	691559	1	Fuel Pump Bracket
†807	805557	1	Throttle Spacer
918	296004	1	Vacuum Line (Cut to Required Length)
947	807664	1	Solenoid
†1091	691516	1	Limiter Cap
1139	806479	1	Screw

* Included in Gasket Set – Part No. 808390.

† Included in Valve Overhaul Kit – Part No. 808392



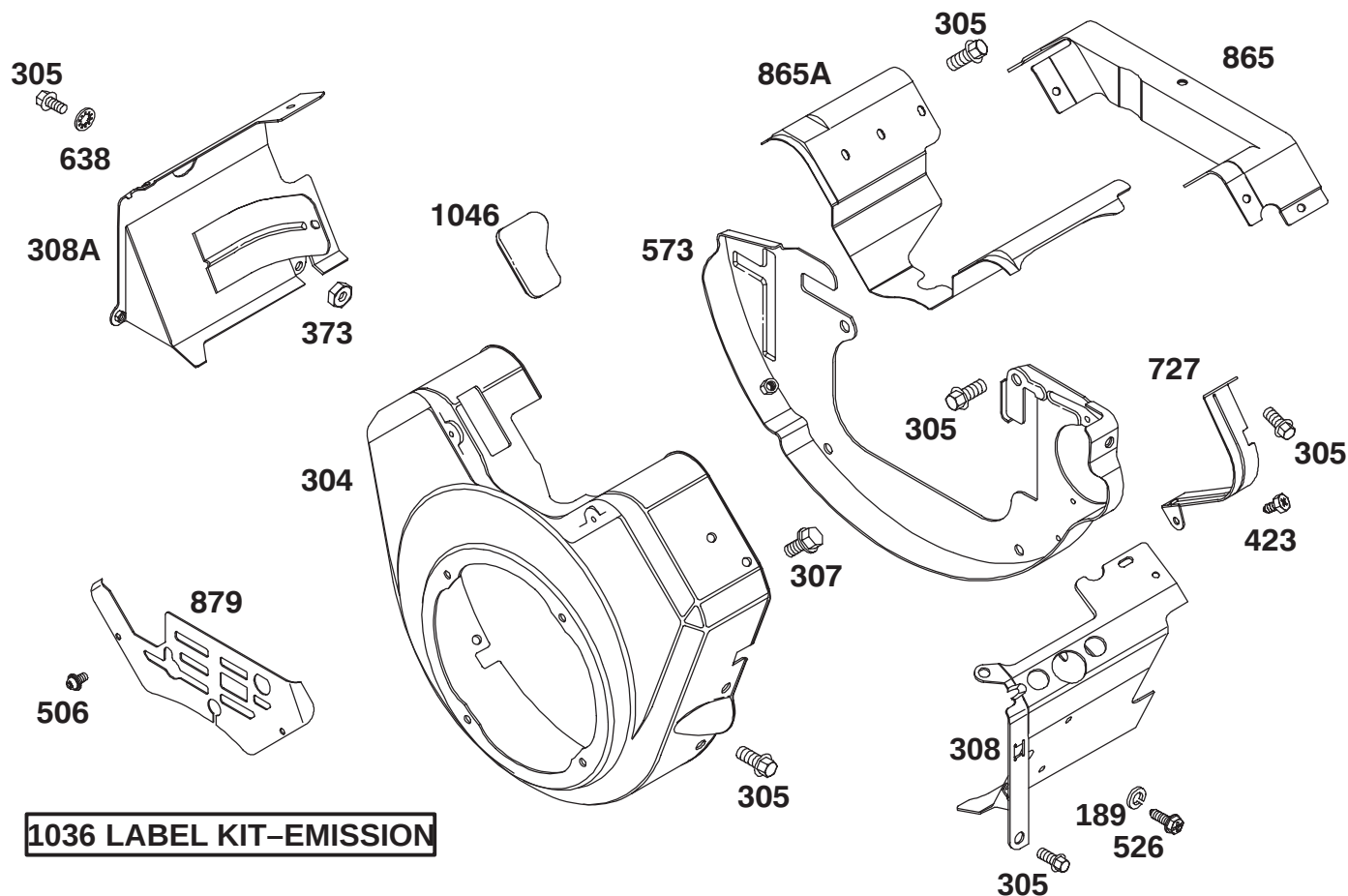
Air Cleaner Assembly Briggs and Stratton Model 303447-1408-E1

Ref. No.	Part No.	Qty.	Description
50	690754	1	Intake Manifold
*51	805700	1	Intake Gasket
51A	805023	1	Intake Gasket
*‡52	805023	1	Intake Manifold Gasket
53	805466	1	Screw
54	690676	1	Screw
122	690691	1	Carburetor Spacer
161	691561	1	Air Cleaner Base
*163	805655	1	Air Cleaner Gasket
305	805406	1	Screw (M6 x 12 mm)
346	94896	1	Screw
445	394018	1	Air Filter
467	491875	1	Air Cleaner Knob
643	805631	1	Air Cleaner Plate
676	397630	1	Muffler Deflector
833	690872	1	Screw (M6 x 16 mm)
833A	690872	1	Screw (Air Cleaner Mounting Strap)
862	692153	1	Air Cleaner Bracket
967	272490	1	Air Filter
968	807862	1	Air Cleaner Cover

Ref. No.	Part No.	Qty.	Description
971	692537	1	Screw
996	691577	1	Carburetor Shield
1004	690743	1	Cleaner Mounting Strap

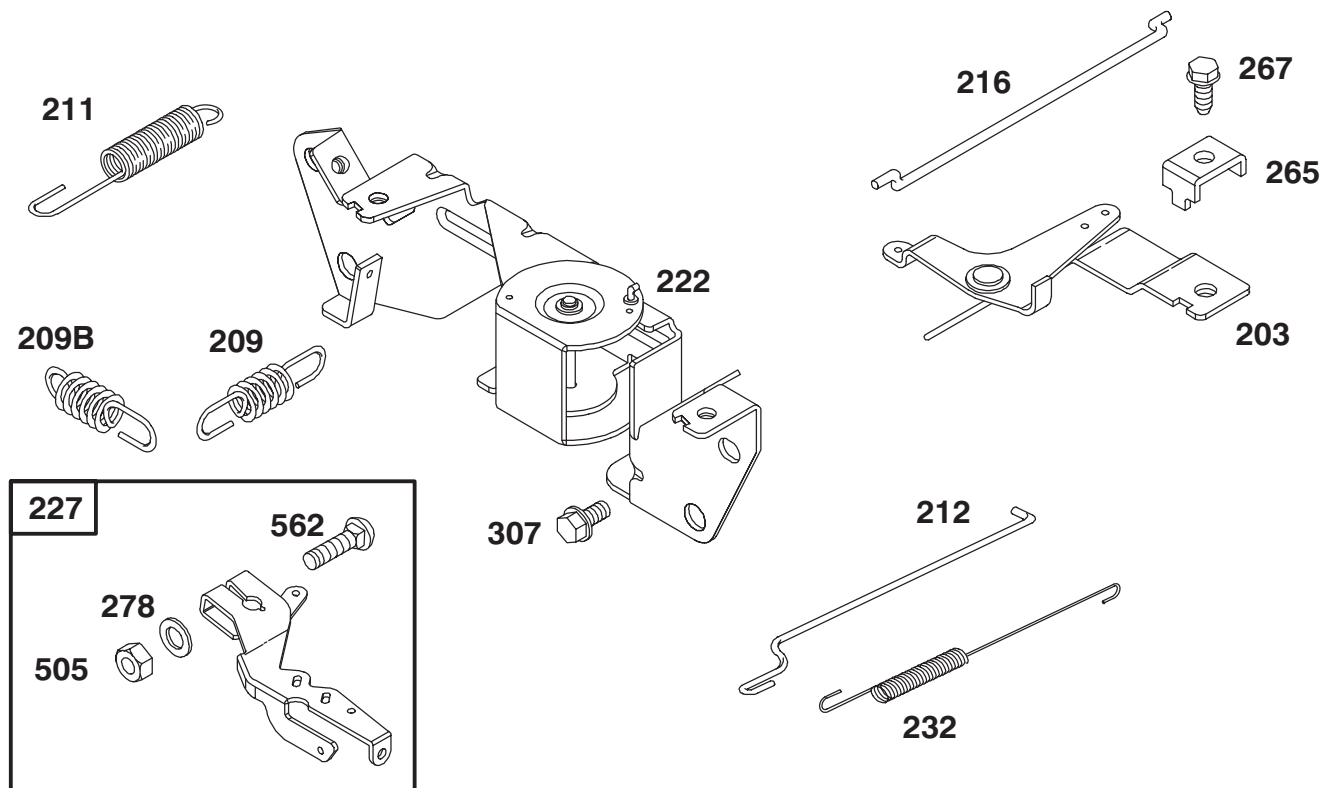
* Included in Gasket Set – Part No. 808390.

‡ Included in Valve Overhaul Kit – Part No. 808392.



Blower Housing Assembly Briggs and Stratton Model 303447-1408-E1

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
189	805449	1	Washer				
304	808408	1	Blower Housing				
305	692539	1	Screw				
307	805025	1	Screw				
308	692806	1	Air Guide Cover (Cyl. #1)				
308A	692805	1	Air Guide Cover (Cyl. #2)				
373	805383	1	Nut				
423	805260	1	Screw				
506	690677	1	Screw				
526	805448	1	Screw				
573	690902	1	Back Plate				
638	691551	1	Lock Washer				
727	690714	1	Starter Shield				
865	690901	1	Air Guide Cover				
865A	690750	1	Air Guide Cover				
879	690757	1	Carburetor Cover				
1036	806687	1	Emission Label Kit				
1046	805753	1	Blower Housing Plug				



Assemblies include all parts shown in frames.

Governor Assembly
Briggs and Stratton Model 303447-1408-E1

Ref. No.	Part No.	Qty.	Description
203	690923	1	Choke Control Bracket
209	805463	1	Governor Spring
209B	805453	1	Governor Spring
211	805450	1	Governed Idle Spring
212	690712	1	Governor Link
216	805439	1	Choke Link
222	808454	1	Governor Control Bracket
227	690236	1	Governor Lever Assembly
232	805465	1	Governor Link Spring
265	221535	1	Casing Clamp
267	692083	1	Screw
278	690237	1	Washer
505	690238	1	Nut (Governor Control Lever)
562	690239	1	Carriage Bolt

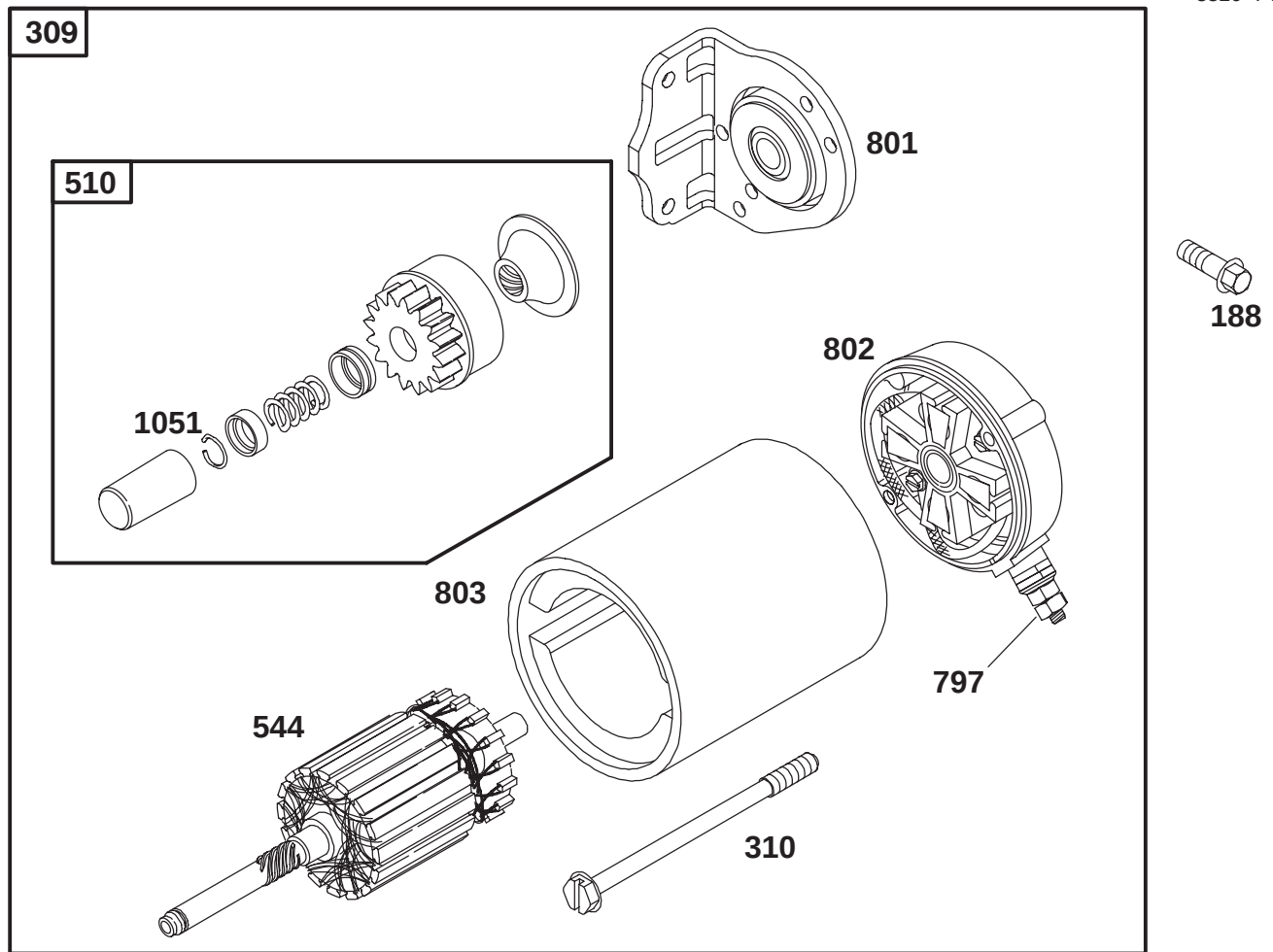
Ref. No.	Part No.	Qty.	Description

Flywheel Assembly

Briggs and Stratton Model 303447-1408-E1

Ref. No.	Part No.	Qty.	Description
23	808766	1	Magneto Flywheel
73	494439	1	Rotating Screen
78	805447	1	Screw
332	690887	1	Nut
333	492341	1	Magneto Armature
359	691077	1	Washer (Internal Tooth)
363	19203	1	Flywheel Puller
373	90576	1	Nut
474	393295	1	Alternator Stator
501	394890	1	Alternator Regulator
507	398525	1	Insulator
520	691084	1	Spade Terminal
526	805448	1	Screw
529	690744	1	Grommet
578	493792	1	Stop Wire
726	808162	1	Flywheel Ring Gear (Includes Mounting Hardware)
729	690586	1	Wire Clip
851	493880	1	Ignition Cable Terminal
877	393537	1	Alternator Wire
1054	280275	1	Cable Tie
1119	691552	1	Screw

Ref. No.	Part No.	Qty.	Description

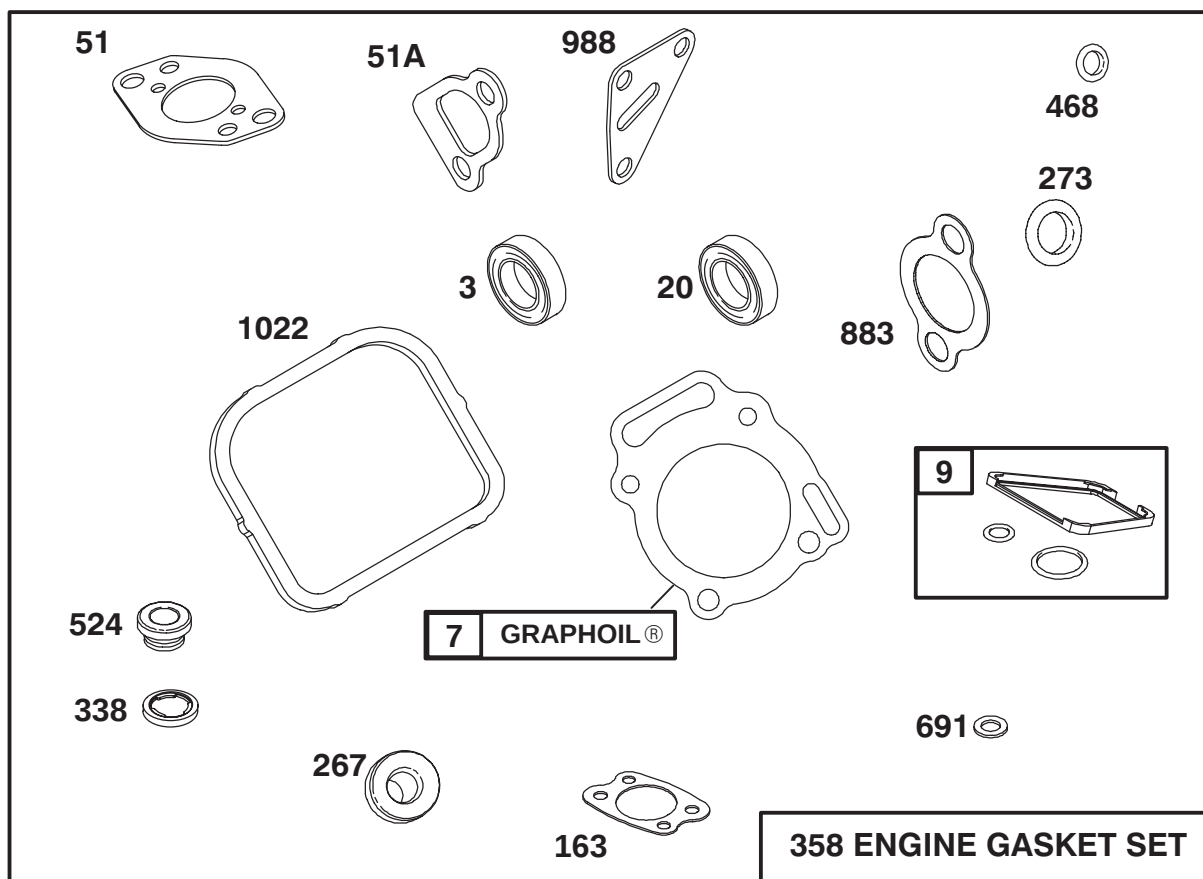


Starter Assembly

Briggs and Stratton Model 303447-1408-E1

Ref. No.	Part No.	Qty.	Description
188	805247	1	Screw
309	691564	1	Starter Motor
310	496813	1	Bolt
510	496881	1	Starter Drive
544	690855	1	Starter Armature
797	691029	1	Nut
801	808778	1	Drive Cap
802	496813	1	End Cap
			Note: Includes 496887
			Brush Set
803	690854	1	Starter Housing
1051	691124	1	Lock Ring

Ref. No.	Part No.	Qty.	Description



Assemblies include all parts shown in frames.

Engine Gasket Set

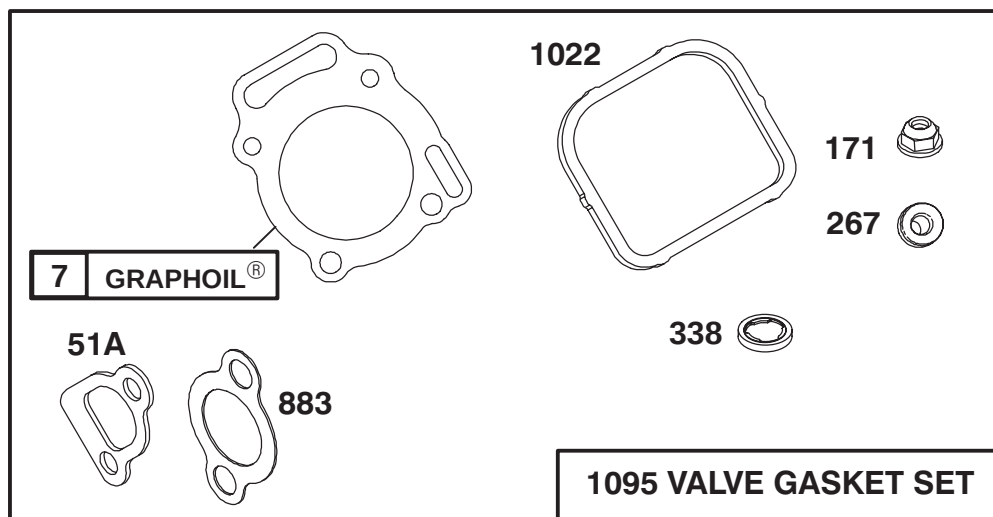
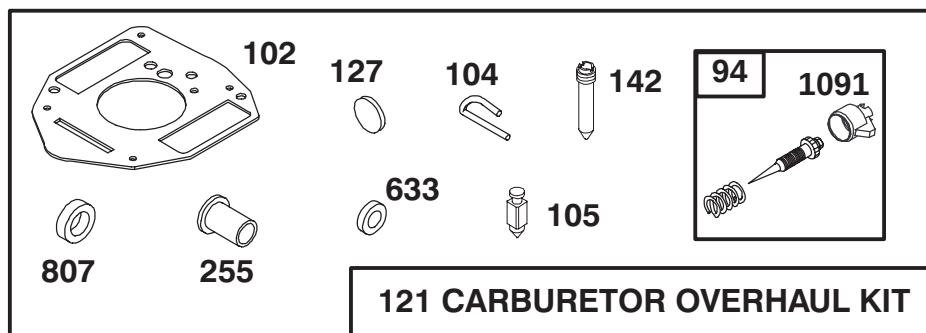
Briggs and Stratton Model 303447-1408-E1

Ref. No.	Part No.	Qty.	Description
*3	805101	1	Oil Seal (Magnetoside)
*7	806085	1	Cylinder Head Gasket
*9	807688	1	Breather Gasket
*20	805049	1	Oil Seal (PTO Side)
*51	805700	1	Intake Gasket
*51A	805023	1	Intake Gasket
*163	805655	1	Air Cleaner Gasket
*267	805420	1	Sealing Washer
*273	690681	1	O-Ring Seal (Oil Pump)
*338	691312	1	Dipstick Gasket
358	808390	1	Engine Gasket Set
*468	690690	1	O-Ring Seal (Oil Pump Screen)
*524	693172	1	Dipstick Tube Seal
*691	690680	1	Governor Shaft Seal
*883	805024	1	Exhaust Gasket
*988	805250	1	Oil Filter Adapter Gasket
*1022	806039	1	Rocker Cover Gasket

Ref. No.	Part No.	Qty.	Description

* Included in Gasket Set – Part No. 808390.

‡ Included in Valve Overhaul Kit – Part No. 808392.



Assemblies include all parts shown in frames.

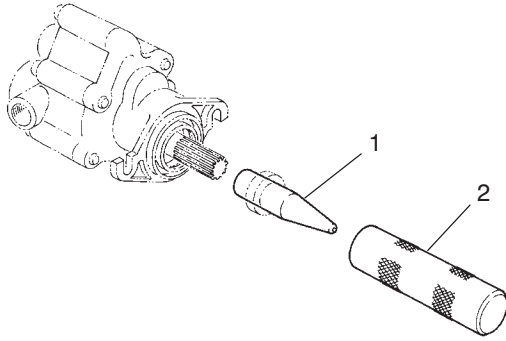
Carburetor Overhaul and Valve Gasket Kit Briggs and Stratton Model 303447-1408-E1

Ref. No.	Part No.	Qty.	Description
*†7	806085	1	Cylinder Head Gasket
*†51A	805023	1	Intake Gasket
†94	808257	1	Idle Mixture Kit
†102	805541	1	Carburetor Body Gasket
†104	690723	1	Float Hinge Pin
†105	805547	1	Float Needle Valve
121	808273	1	Carburetor Overhaul Kit
†127	690727	1	Welch Plug
†142	690725	1	Carburetor Nozzle
†171	805019	1	Nut (Air Cleaner)
†255	690721	1	Choke Shaft Bushing
*†267	805420	1	Sealing Washer
*†338	691312	1	Dipstick Gasket
†633	690722	1	Choke Shaft Seal
†807	805557	1	Throttle Spacer
*†883	805024	1	Exhaust Gasket
*†1022	806039	1	Rocker Cover Gasket
†1091	691516	1	Limiter Cap
1095	808392	1	Valve Gasket Set

- * Included in Gasket Set – Part No. 808390.
† Included in Carburetor Kit – Part No. 808273.
‡ Included in Valve Overhaul Kit – Part No. 808392.

Special Tools

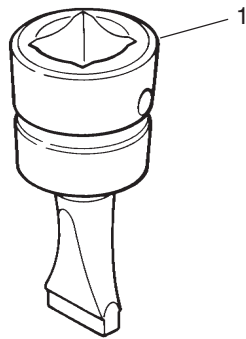
Reel motor seal installations tools



T-0727

Ref. No.	Part No.	Qty.	Description
1	TOR491430	1	Protector—Seal
2	TOR491450	1	Installer—Seal

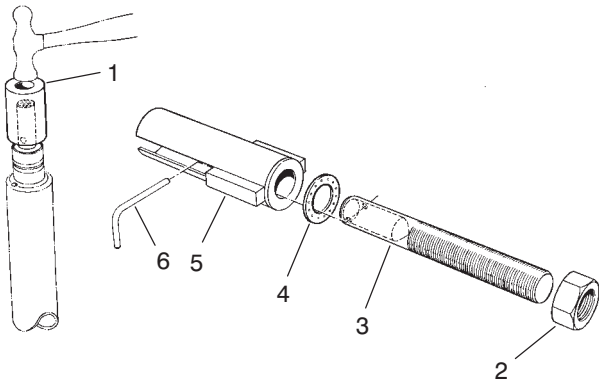
Bed knife screw tool No. TOR510880



T-0729

Ref. No.	Part No.	Qty.	Description
1		1	Tool—Bed Knife Screw

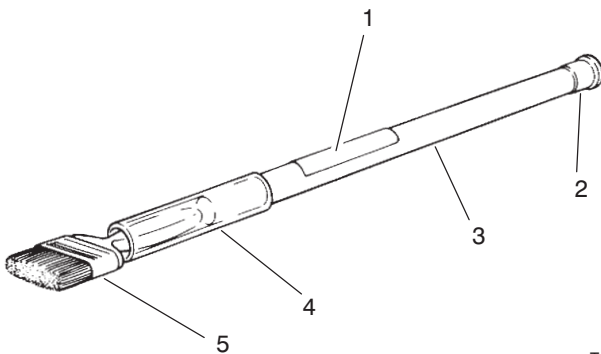
Bearing replacement tool kit No. TOR238900



T-0730

Ref. No.	Part No.	Qty.	Description
1	23-8880	2	Driver—Bearing
2	3219-18	1	Nut—Hex
3	23-8840	1	Puller—Bolt
4	22-6090	1	Washer—Thrust
5	23-8850	1	Tube—Support
6	23-8860	1	Pin—Replacement, Bearing

Backlapping brush assembly No. 29-9100



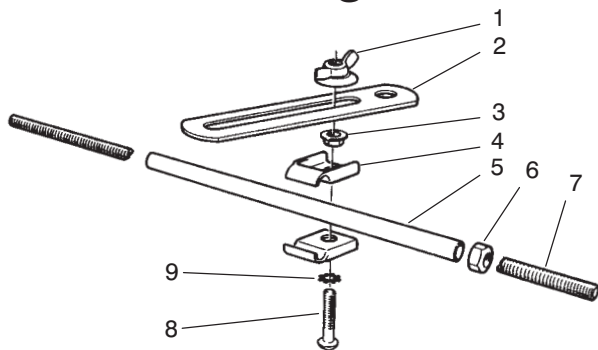
T-0731

Ref. No.	Part No.	Qty.	Description
1	12-9140	1	Decal
2	2410-18	1	Plug
3	29-9080	1	Handle
4	29-9090	1	Hose—Handle
5	36-4310	1	Brush

Note: Special tools may be ordered from: Owatonna Tool Company 2013 4th St. NW Owatonna, MN 55060

Special Tools (Continued)

Alignment tool No. TOR200120



T-0732

Ref. No.	Part No.	Qty.	Description
1	3-4808	1	Nut-Wing
2	20-0110	1	Bracket-Alignment
3	32123-20	1	Nut-Lock, Flange
4	3-6657	2	Clip-Skid
5	20-0070	1	Tube
6	3219-2	1	Nut-Hex
7	20-0080	1	Rod
8	32122-35	1	Screw-Head, Truss
9	3255-8	1	Washer-Lock, Int. Tooth

Note: Special tools may be ordered from: Owatonna Tool Company
2013 4th St. NW
Owatonna, MN 55060

Maintenance Record

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Maintenance Record

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