



## Reelmaster<sup>®</sup> 5500-D 2 and 4 Wheel Drive Traction Unit

Model No. 03551-230000201 and Up

Model No. 03550-230000201 and Up

### Parts Catalog

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#### 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.

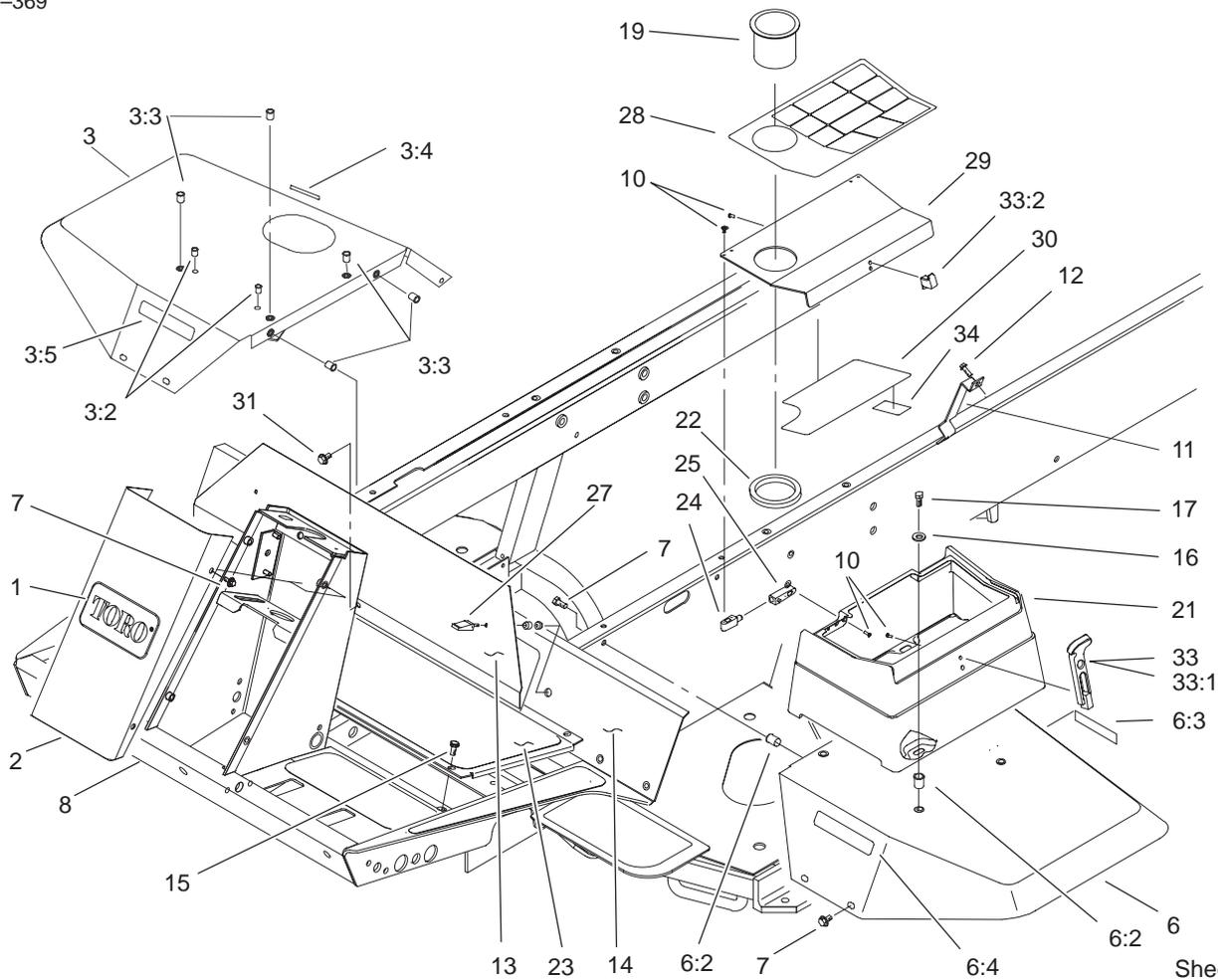
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## Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

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



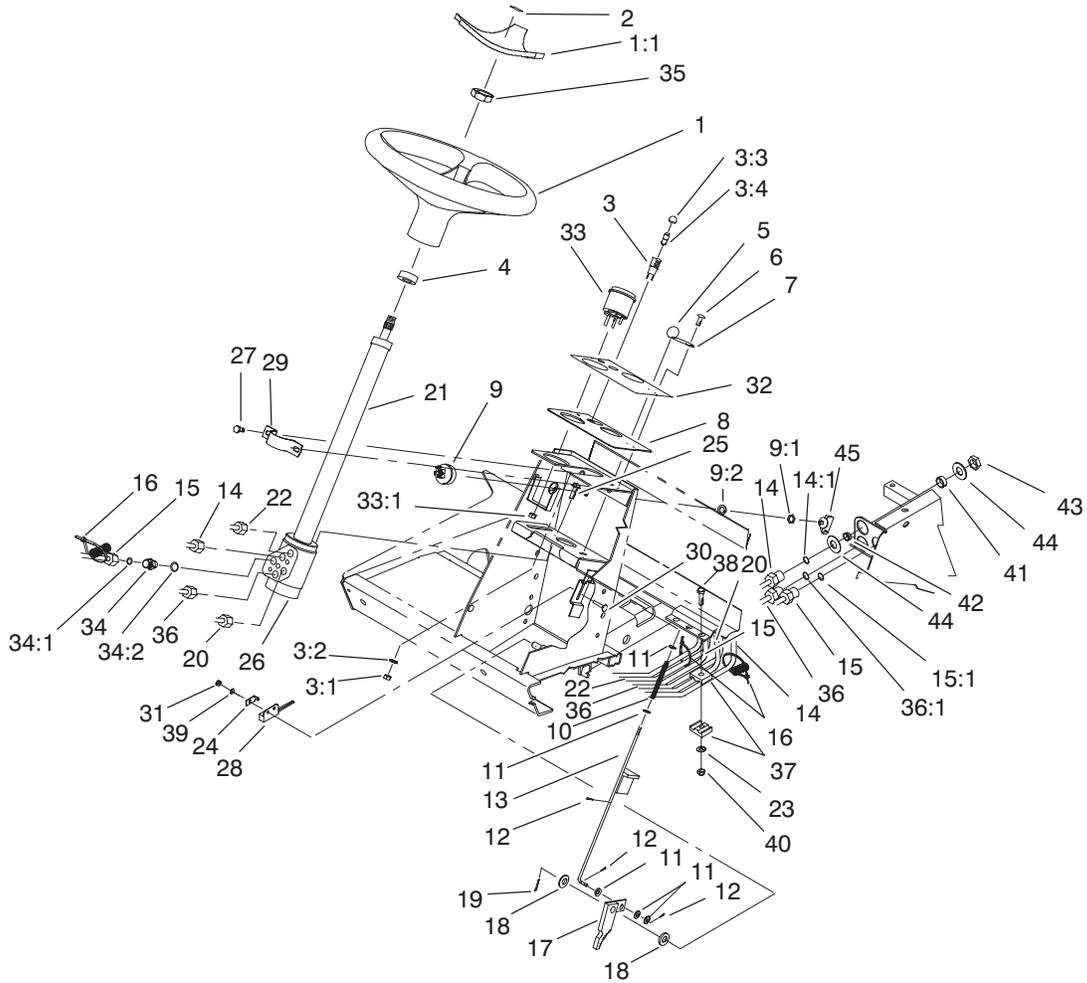
## Frame and Body Assembly

Ref. No.	Part No.	Qty.	Description
1	62-5550	1	Decal
2	93-7996-01	1	Cover-Tower
3	106-5950	1	RH Fender ASM
3:2	32148-6	2	Insert-Nut
3:3	32148-7	5	Insert-Nut
3:4	93-6686	1	Decal-Oil, HYD
3:5	93-6689	1	Decal-No Riders
6	106-5951	1	LH Fender ASM
6:2	32148-7	6	Insert-Nut
6:3	93-6680	1	Decal-Diesel
6:4	93-6689	1	Decal-No Riders
7	3234-14	14	Screw-HHF
8	104-1425	1	Frame ASM
10	32144-1	11	Screw-Taptite
11	98-4572	1	Bracket-Clamp, Hose
12	32144-14	2	Screw-HWH
13	75-1390-01	1	Cover-Access, Front
14	75-1410-01	1	Plate-Access, Floor
*15	3234-7	1	Screw-HHF
15	75-6840	4	Knob-Knurled
16	3256-3	4	Washer-Flat
17	322-5	4	Screw-HH
19	94-1410	1	Holder-Can, Beverage
21	104-0026	1	Toolbox
22	104-1476	1	Ring-Rubber
23	75-0630	1	Tread-Footer, Center

Ref. No.	Part No.	Qty.	Description
24	104-1496	2	Hinge-Pin
25	104-1497	2	Hinge-Receiver
27	74-5950	2	Latch-Swell
28	104-9294	1	Decal-Warning
28	104-9295	1	Decal-Warning, Ce
29	104-1489-03	1	Cover-Toolbox
30	104-1434	1	Decal-Service, Blank
30	105-7515	1	Decal-Service
31	3234-5	1	Screw
33	94-5626	1	Latch-Draw, Flexible
33:1	100-5806	1	Handle-Latch
33:2	100-5807	1	Keeper-Latch
34	105-7527	1	Decal-Numbers, Filter

\* Not illustrated





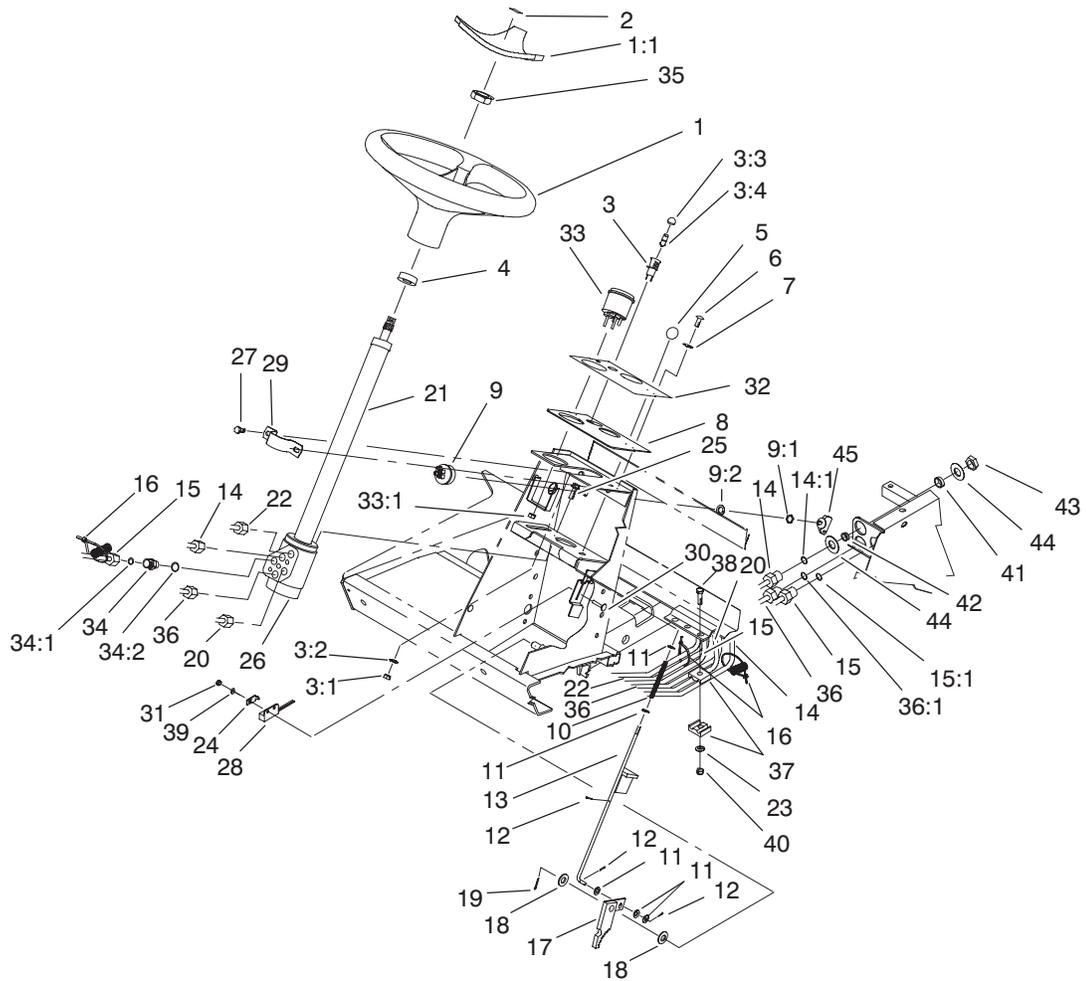
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## Steering Tower Assembly

Ref. No.	Part No.	Qty.	Description
1	98-1471	1	Wheel-Steering
1:1	98-1468	1	Cover-Wheel, Steering
2	98-1459	1	Decal
3	44-2210	1	Light-Indicator, Red
3:1	218-535	1	Nut-Hex
3:2	218-536	1	Washer-Lock
3:3	218-533	1	Lens
☆3:4		1	Bulb
4	21-9260	1	Cover-Dust
5	233-17	1	Knob
6	87-6620	2	Screw
7	3256-1	2	Washer-Flat
8	93-7998-03	1	Plate-Instrument
9	99-2319	1	Key-Switch
9:1	218-446	1	Nut-Hex
9:2	218-447	1	Washer-Lock
10	95-1821-03	1	Spring-Compression
11	3256-22	5	Washer-Flat
12	3272-5	3	Pin-Cotter
13	104-1492	1	Rod ASM
14	98-3912	1	Tube ASM
14:1	237-22	1	O-Ring
15	98-3910	1	Tube ASM
15:1	237-22	1	O-Ring
16	3290-378	3	Tie-Cable

Ref. No.	Part No.	Qty.	Description
17	63-7900-03	1	Rack ASM
18	3256-26	2	Washer-Flat
19	3272-10	1	Pin-Cotter
20	98-3908	1	Tube ASM
21	94-9951	1	Column-Steering
22	98-3909	1	Tube ASM
23	3256-23	3	Washer-Flat
24	100-4872	1	Plate-Switch, Neutral
25	33103-020	3	Screw-HHF
26	99-8959	1	Control-Steering
27	32144-11	2	Screw-TAP
28	100-1270	1	Switch-Proximity
29	75-2810	1	Bracket-Column, Steering
30	104-1450	1	Bolt-CARR
31	3296-2	1	Nut-Lock
32	93-1263	1	Decal-Tower
33	104-9324	1	Speedometer
33:1	3296-1	4	Nut-Lock, NI
34	340-2	5	Fitting-HYD, Straight
34:1	237-22	1	O-Ring
34:2	237-42	1	O-Ring
35	94-9952	1	Nut-Hex
36	98-3911	1	Tube ASM
36:1	237-22	1	O-Ring
37	56-7973	6	Clamp-Tube

☆ Not serviced separately

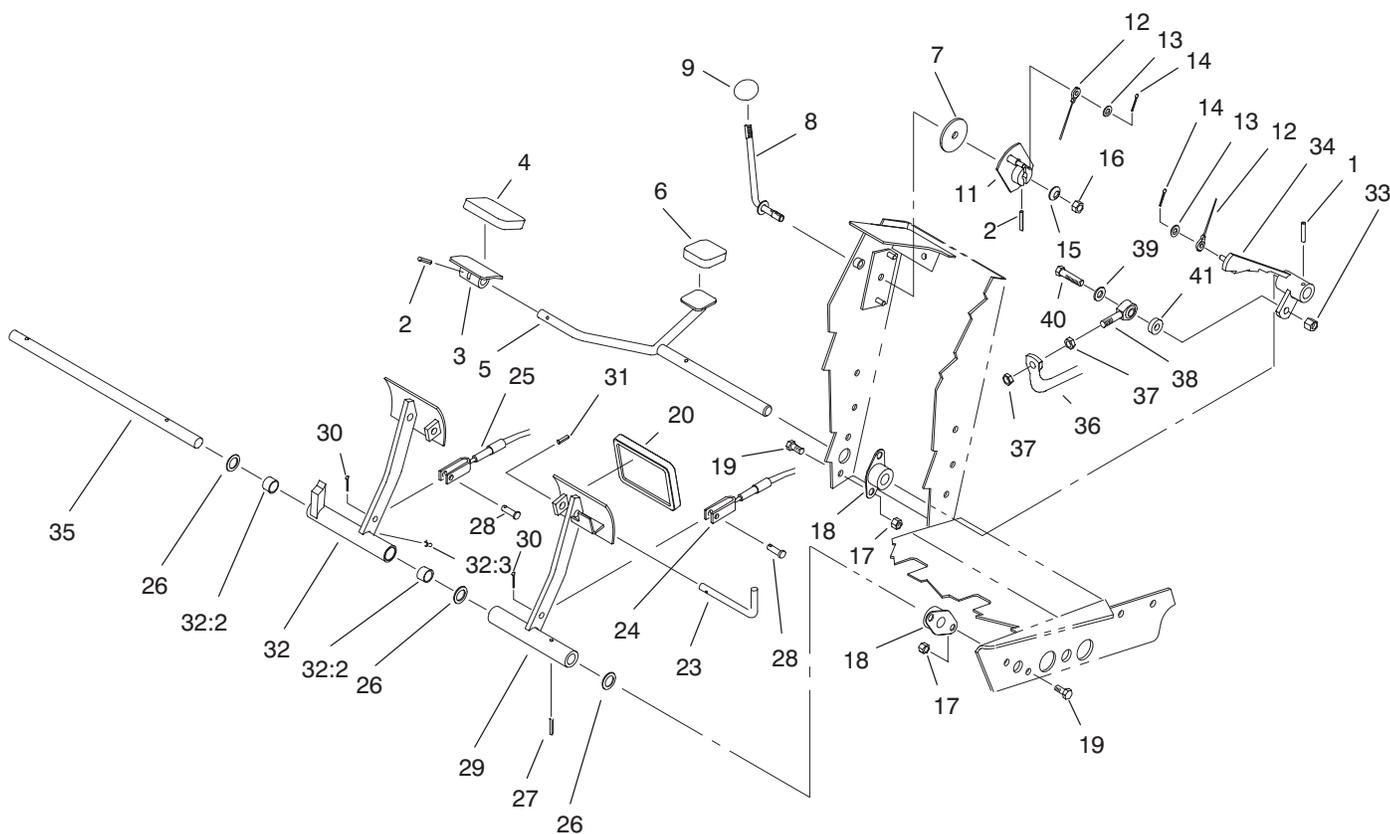


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## Steering Tower Assembly (Continued)

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
38	322-7	3	Screw-HH				
39	3256-14	1	Washer-Flat				
40	3296-29	3	Nut-Lock, NI				
41	69-8970	3	Spacer				
42	240-4	3	Grommet-Rubber				
43	340-70	3	Nut-Lock				
44	69-8940	6	Washer				
45	63-8360	1	Key-Ignition				

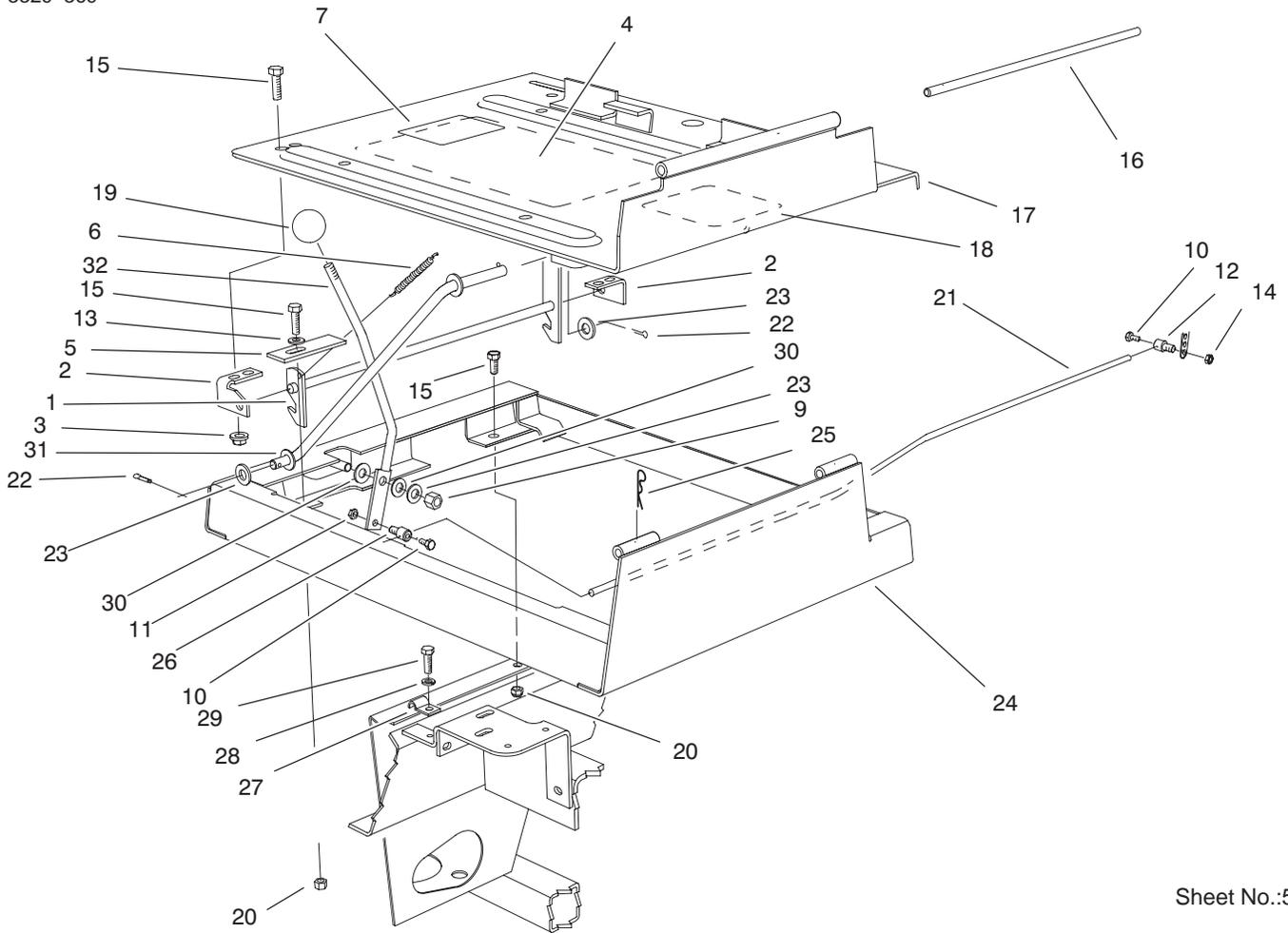




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## Traction and Brake Pedal Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	32121-6	1	Pin-Roll	29	75-1440-03	1	Pedal-Brake, LH
2	32121-45	2	Pin-Spring	30	3272-10	2	Pin-Cotter
3	49-6440-03	1	Pedal-Forward	31	32121-50	1	Pin-Spring
4	74-9100	1	Pad-Pedal, Forward	32	75-1430	1	Pedal-Brake, RH
5	75-2970	1	Pedal-Traction	32:2	256-42	2	Bushing
6	74-9110	1	Pad-Pedal, Reverse	32:3	302-5	1	Fitting-Grease
7	75-6550	1	Disc-Friction	33	3296-39	1	Nut-Lock, NI
8	75-6490	1	Lever	34	75-3270-03	1	Hub-Pivot, Traction
9	233-42	1	Knob	35	75-1470	1	Pin-Pivot, Brake
11	75-6510	1	Bracket-Lever	36	75-2170-03	1	Tube-Control, Pump
12	75-6580	1	Cable-Pedal	37	3220-3	2	Nut-Jam
13	3256-22	2	Washer-Flat	38	2411-36	1	Bearing-End, Rod
14	3272-2	2	Pin-Cotter	39	3256-24	1	Washer-Flat
15	3290-461	1	Washer-Spring	40	323-9	1	Screw-HH
16	3296-59	1	Nut-Lock, NI	41	5-0652	1	Spacer
17	3296-29	8	Nut-Lock, NI				
18	256-236	4	Bearing-Mount, Flange				
19	322-3	8	Screw-HH				
20	93-8742	2	Footpad-Brake				
23	63-7880	1	Pin-Latch, Brake				
24	63-7733	1	LH Brake Cable ASM				
25	63-7732	1	RH Brake Cable ASM				
26	3256-69	3	Washer-Flat				
27	32121-16	1	Pin-Spring				
28	283-58	2	Pin-Clevis				

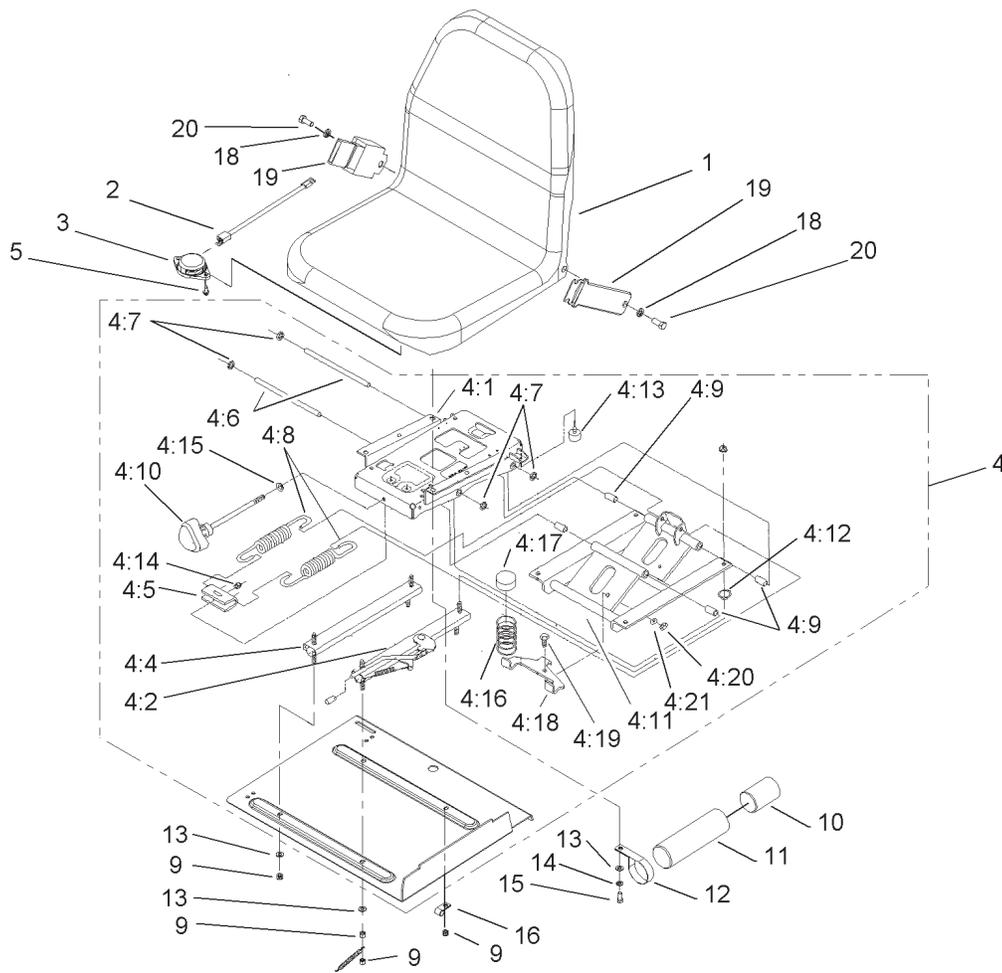


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## Seat Frame and Throttle Assembly

Ref. No.	Part No.	Qty.	Description
1	98-2354-03	1	Latch-Seat
2	98-2353	2	Bracket-Latch, Seat
3	32128-25	4	Nut-Flange
4	105-7528	1	Decal-Information, Solenoid
5	98-9302	1	Plate-Stop, Idler
6	66-4190-03	1	Spring-Idler, Clutch
7	105-4674	1	Decal-Noise, Ce
9	3296-39	1	Nut-Lock, NI
10	25-8640	2	Screw-HH
11	3296-3	1	Nut-Lock, NI
12	98-9311	1	Swivel-Throttle
13	3256-23	1	Washer-Flat
14	3296-20	1	Nut-Lock, NI
15	322-3	8	Screw-HH
16	75-3400	1	Shaft-Pivot, Seat
17	98-2350-03	1	Plate-Seat
18	93-8060	1	Decal-Reels
19	233-42	1	Knob
20	3296-29	4	Nut-Lock, NI
21	98-3926	1	Cable-Throttle
22	3272-10	2	Pin-Cotter
23	3256-24	3	Washer-Flat
24	98-2352-03	1	Frame-Seat
25	3290-467	1	Pin-Hair
26	93-0021	1	Swivel-Cable, Throttle

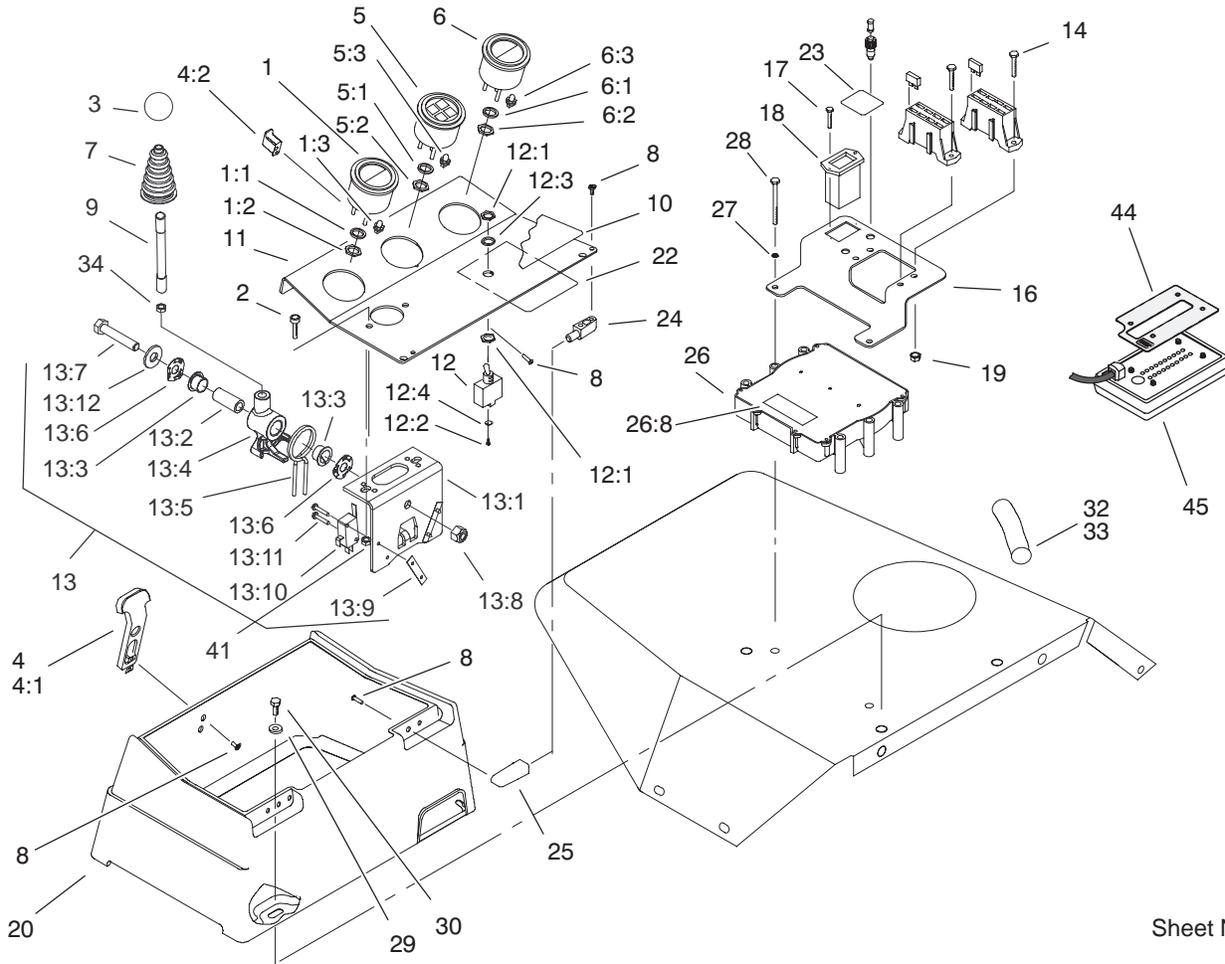
Ref. No.	Part No.	Qty.	Description
27	3-6657	1	Clip-Skid
28	3253-3	1	Washer-Lock
29	321-4	1	Screw-HH
30	66-2920	2	Washer-Friction
31	75-3680-03	1	Rod-Seat
32	75-3430-03	1	Lever-Throttle



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## Seat and Suspension Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	104-4620	1	Seat-Olympic, Toro	5	32144-10	2	Screw-HWH
2	106-7090	1	Harness-Wire, Seat Switch	9	3296-29	5	Nut-Lock, NI
3	92-6282	1	Switch-Seat	10	104-7048	1	Cap-Housing
4	76-1970	1	Seat Suspension ASM	11	104-7050	1	Housing-Manual
4:1	66-8600	1	Frame-Upper	12	2412-133	2	R-Clamp
4:2	66-8510	1	Adjuster W/Handle	13	3256-23	8	Washer-Flat
4:4	66-8530	1	Adjuster	14	3253-4	4	Washer-Lock
4:5	77-2870	1	Hanger-Spring	15	322-3	4	Screw-HH
4:6	76-1910	2	Shaft-Pivot	16	2412-93	1	Clamp-R
4:7	66-8560	4	Nut-Push	18	3253-6	2	Washer-Lock (only on: 03551)
4:8	76-1940	2	Spring-Extension	19	21-4191	1	Seat Belt ASM (only on: 03551)
4:9	76-1920	4	Sleeve-Bearing	20	3212-4	2	Screw-HH (only on: 03551)
4:10	106-1031	1	Tension Adjuster Knob ASM				
4:11	66-8610	1	Frame-Lower				
4:12	66-9290	4	Spacer-Suspension				
4:13	76-2940	2	Bumper				
4:14	32153-2	1	Nut-Lock				
4:15	3256-24	1	Washer-Flat				
4:16	93-3163	2	Spring				
4:17	93-3164	2	Cap				
4:18	93-3165	1	Bracket				
4:19	322-6	1	Screw-HH				
4:20	3217-6	1	Nut-Hex				
4:21	3253-33	1	Washer-Lock				



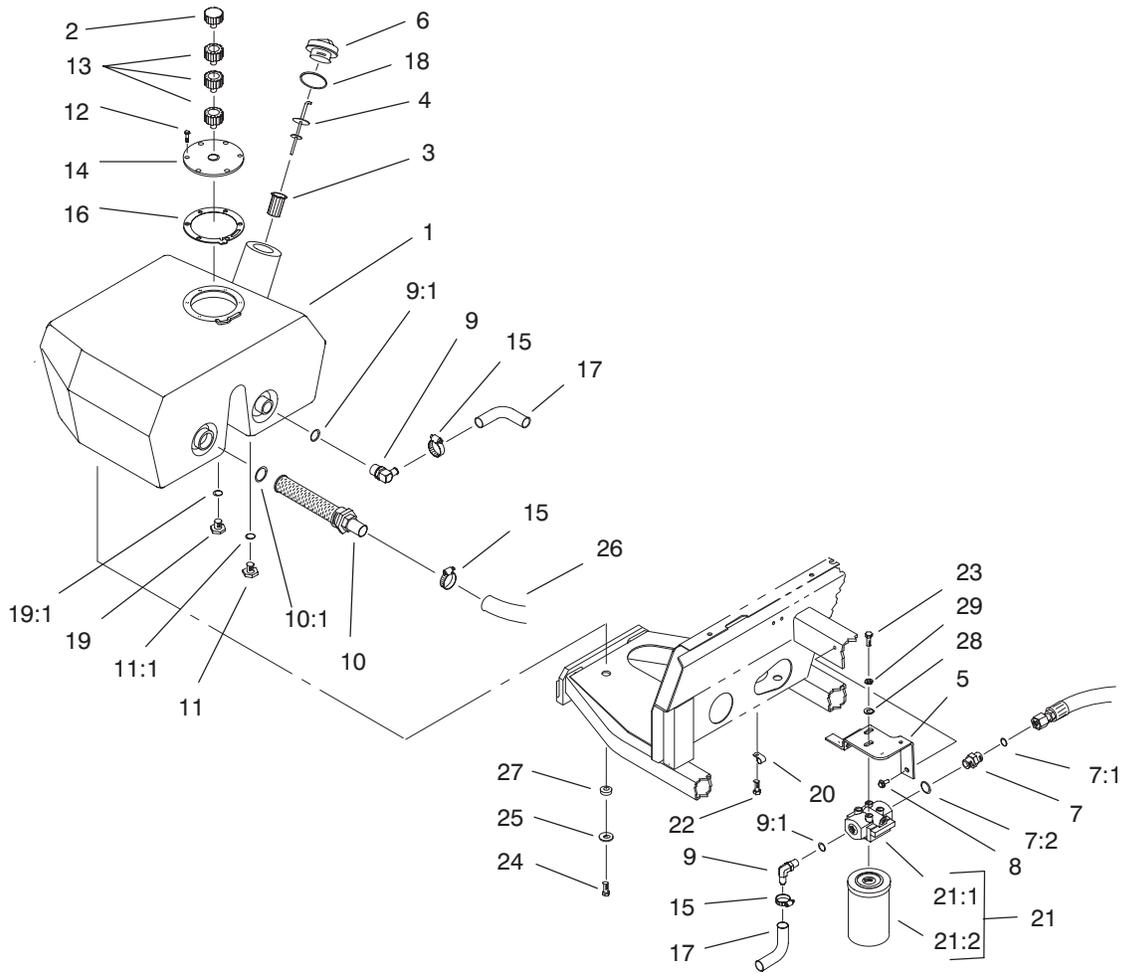
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## Control Console Assembly

Ref. No.	Part No.	Qty.	Description
1	98-9339	1	Gauge-Fuel
1:1	3254-1	3	Washer-Lock, Int
1:2	3217-27	3	Nut-Hex
1:3	105-9265	1	Bulb And Lamp ASM
2	3258-166	2	Screw
3	233-42	1	Knob
4	94-5626	1	Latch-Draw, Flexible
4:1	100-5806	1	Handle-Latch
4:2	100-5807	1	Keeper-Latch
5	98-9306	1	Light-Warning
5:1	3254-1	1	Washer-Lock, Int
5:2	3217-27	1	Nut-Hex
5:3	105-9264	4	Bulb And Lamp ASM
6	98-9308	1	Gauge-Temperature
6:1	3254-1	3	Washer-Lock, Int
6:2	3217-27	3	Nut-Hex
6:3	105-9265	1	Bulb And Lamp ASM
7	93-5961	1	Boot-Lever
8	32144-1	11	Screw-Taptite
9	105-7508	1	Lever-Joystick
10	104-9296	1	Decal-Control
11	104-9251-03	1	Plate-Instrument
12	99-8352	1	Switch-Backlap, Master
12:1	218-498	2	Locknut
12:2	218-588	3	Screw

Ref. No.	Part No.	Qty.	Description
12:3	218-589	1	Nut/Lockwasher
12:4	3253-19	3	Washer-Lock
13	106-4167	1	Joystick Bracket ASM
13:1	106-4168-03	1	Bracket-Joystick
13:2	106-4192	1	Spacer
13:3	93-5547	2	Bushing-Nylon
13:4	105-7507	1	Hub-Pivot, Joystick
13:5	105-8289	1	Spring-Torsion
13:6	106-4193	2	Washer-Finger, Spring
13:7	322-9	1	Screw-HH
13:8	3296-29	1	Nut-Lock, NI
13:9	3290-354	2	Nut-Speed
13:10	111332	2	Switch
13:11	147665	4	Screw-HH
13:12	3256-3	1	Washer-Flat
14	32105-13	4	Screw-SHH
16	104-1499-03	1	Bracket-Block, Fuse
17	32144-18	2	Screw-HH
18	75-6820	1	Hourmeter
19	3296-2	4	Nut-Lock
20	104-0027	1	Box-Control
22	94-6767	1	Decal-Fuses
23	104-9298	1	Decal-Controller
24	104-1496	2	Hinge-Pin
25	104-1497	2	Hinge-Receiver
26	92-5720	1	Controller-Electronic





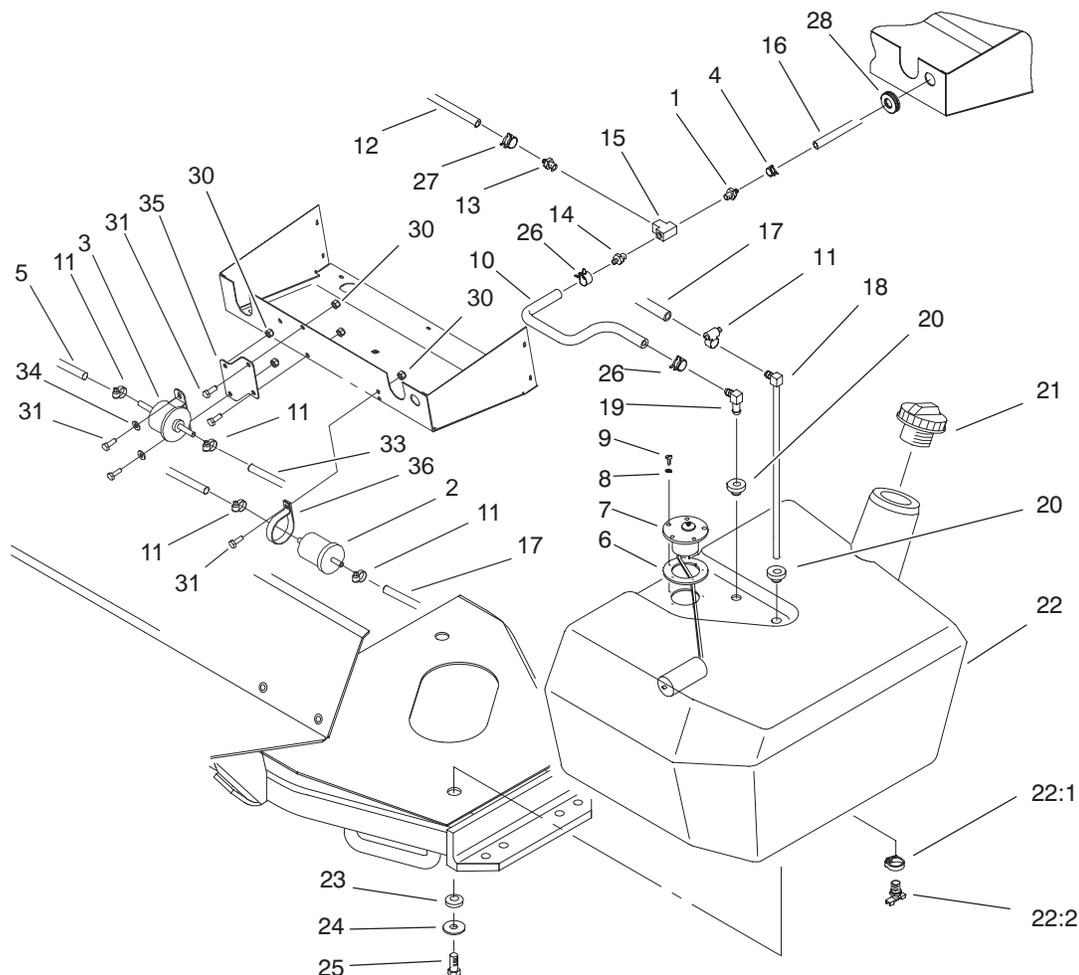
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## Hydraulic Filter and Reservoir Assembly

Ref. No.	Part No.	Qty.	Description
1	104-9254	1	Tank-Oil
2	68-6150	1	Breather
3	61-2790	1	Filter-Screen
4	94-9411	1	Dipstick
5	98-3917-01	1	Bracket-Filter
6	93-7498	1	Plug-Plastic
7	340-91	1	Adapter
7:1	237-58	1	O-Ring
7:2	237-146	1	O-Ring
8	32144-14	2	Screw-HWH
9	23-8910	2	Stem-Barb, 90°
9:1	237-146	1	O-Ring
10	104-7546	1	Strainer-Tank
10:1	340-136	1	O-Ring
11	353-508	1	Plug
11:1	237-42	1	O-Ring
12	33104-020	6	Screw-HHF
13	92-8020	3	Adapter-Breather
14	93-7588	1	Cover-Tank
15	2412-34	3	Clamp-Hose
16	93-7499	1	Gasket
17	98-3931	2	Hose-Formed
18	237-101	1	O-Ring
19	353-550	1	Plug-HYD
19:1	237-79	1	O-Ring
20	2412-93	2	Clamp-R

Ref. No.	Part No.	Qty.	Description
☆21		1	Oil Filter ASM
21:1	104-0080	1	Filter Head ASM
21:2	94-2621	1	Element-Filter
22	32144-10	2	Screw-HWH
23	323-4	2	Screw-HH
24	33105-025	3	Screw-HHF
25	63-8410	3	Washer
26	75-6870	1	Hose-Inlet, Pump
27	240-11	3	Grommet-Mount, Tank
28	3256-24	2	Washer-Flat
29	3253-21	2	Washer-Lock

☆ Not serviced separately



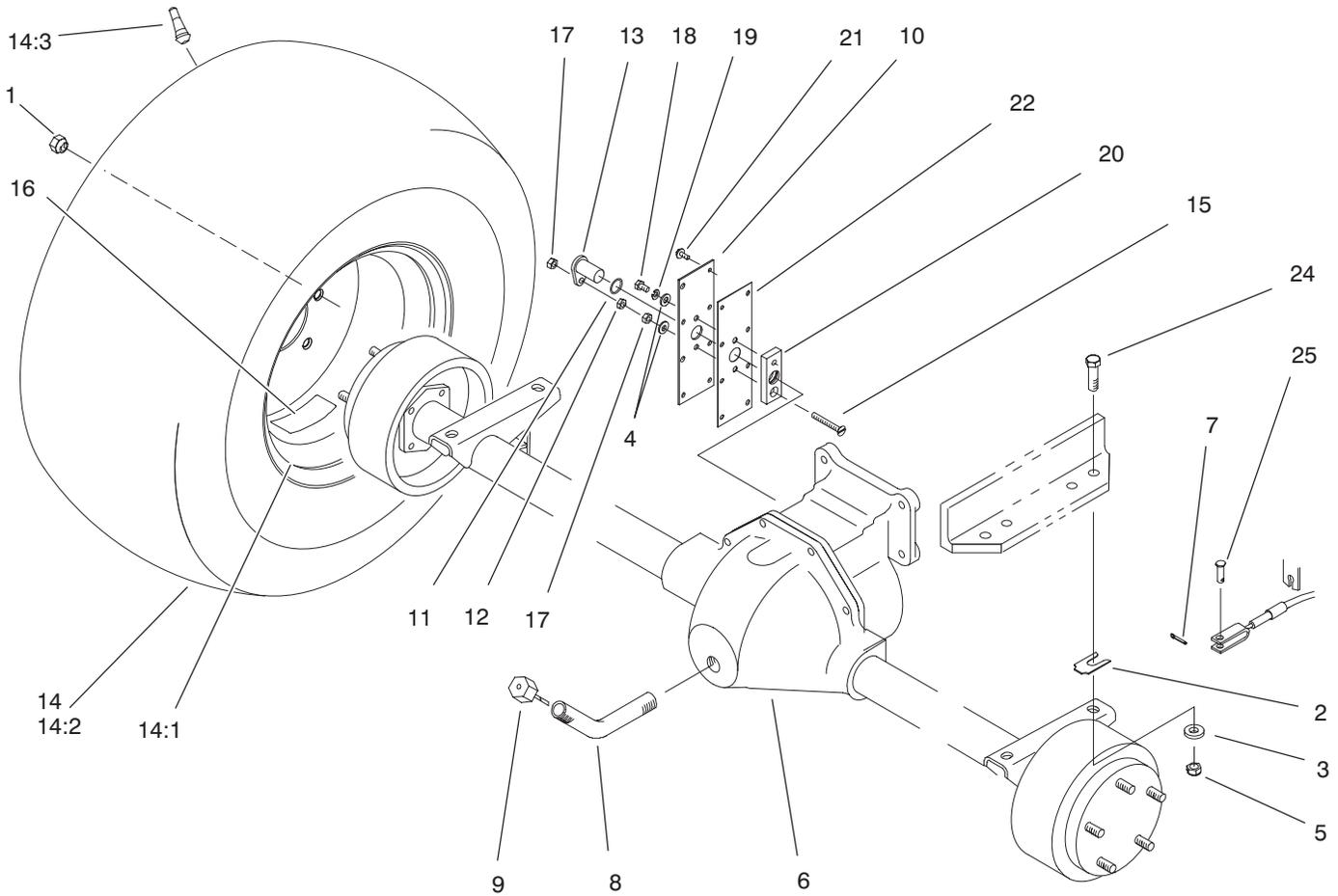
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## Fuel Tank Assembly

Ref. No.	Part No.	Qty.	Description
1	304-73	1	Connector-Hose
2	98-7612	1	Filter-Fuel
3	104-5215	1	Pump-Fuel, Electric
4	2412-98	1	Clamp
5	23-2140	1	Hose-Fuel
6	62-7650	1	Gasket
7	63-7640	1	Sender-Fuel
8	3253-15	5	Washer-Lock/Sp
9	32122-24	5	Screw-Pth
10	93-2042	1	Hose-Fuel
11	2412-108	4	Clamp-Worm
12	104-0077	1	Hose-Fuel
13	354-22	1	Fitting-Barb
14	354-21	1	Fitting-Barb
15	354-20	1	Fitting-Tee
16	98-9338	1	Hose-Fuel
17	104-0076	1	Hose-Fuel
18	66-8121	1	Standpipe
19	46-6550	1	Fitting-HYD, 90°
20	46-6560	2	Bushing
21	93-3102	1	Cap-Fuel
22	105-7933	1	Tank-Fuel
22:1	2412-36	1	Clamp-Hose
22:2	304-46	1	Draincock
23	240-11	3	Grommet-Mount, Tank

Ref. No.	Part No.	Qty.	Description
24	63-8410	3	Washer
25	33105-025	3	Screw-HHF
26	92-2379	2	Clamp-Hose
27	2412-146	2	Clamp-Hose
28	240-9	1	Grommet
30	3296-42	5	Nut-Lock, NI
31	321-4	5	Screw-HH
*32	3290-378	1	Tie-Cable
33	47-7430	1	Hose-Fuel
34	3256-22	2	Washer-Flat
35	104-9339	1	Bracket-Pump, Fuel
36	2412-148	1	Clamp-R

\* Not illustrated



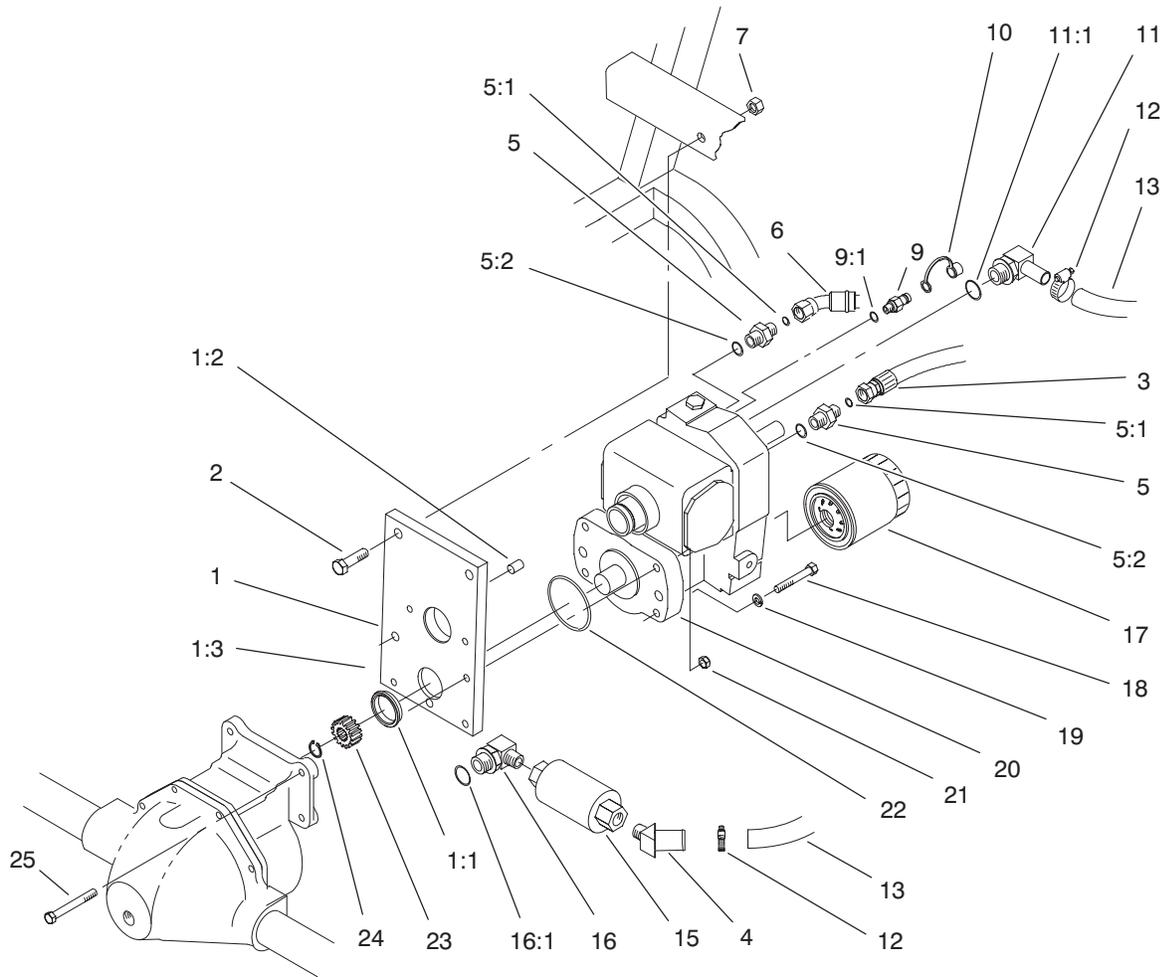
Sheet No.:10

## Front Axle Assembly

Ref. No.	Part No.	Qty.	Description
1	242-50	10	Nut-Lug
2	42-6080	5	Shim-Axle
3	66-6480	4	Washer
4	3256-22	2	Washer-Flat
5	3296-48	4	Nut-Lock, NI
6	106-9212-03	1	Drive Axle ASM
7	3272-10	2	Pin-Cotter
8	75-6850	1	Tube-Fill, Oil
9	27-3710	1	Dipstick
10	85-4330	1	Cover-Gear
11	237-181	1	O-Ring
12	3218-1	1	Nut-Jam
13	85-4350	1	Sensor-Geartooth
☆14		2	Wheel And Tire ASM
14:1	99-6984	1	Wheel ASM
14:2	98-2373	1	Tire
14:3	232-27	1	Stem-Valve
15	32108-9	1	Screw-FH
16	106-9206	2	Decal-Torque, Wheel
17	3296-56	2	Nut-Lock, NI
18	321-2	1	Screw-HH
19	3253-3	1	Washer-Lock
20	85-4340	1	Plate-Mounting, Sensor
21	32144-112	8	Screw-HWHTF
22	92-5797	1	Gasket-Axle

Ref. No.	Part No.	Qty.	Description
24	324-7	4	Screw-HH
25	283-58	2	Pin-Clevis

☆ Not serviced separately



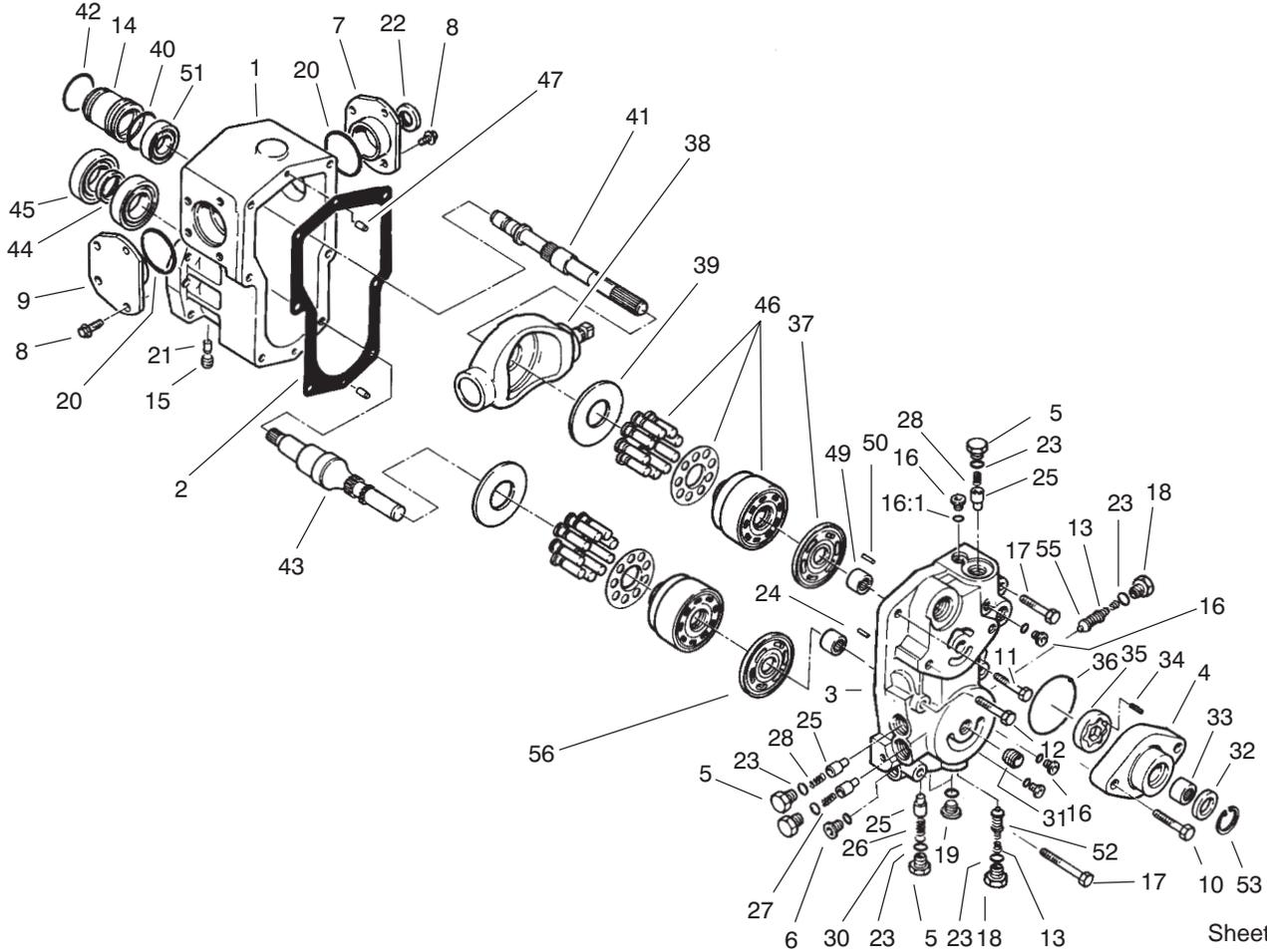
Sheet No.:11

## Transmission Assembly

Ref. No.	Part No.	Qty.	Description
1	92-4846	1	Transmission Support ASM
1:1	75-3110	1	Collar-Transmission
1:2	92-4808	1	Sleeve-Transmission
1:3	92-4809	1	Support-Transmission
2	325-7	2	Screw-HH
3	104-0073	1	HYD Hose ASM
4	354-72	1	Fitting-HYD
5	340-3	2	Adapter
5:1	237-22	1	O-Ring
5:2	237-79	1	O-Ring
6	104-0072	1	HYD Hose ASM
7	3296-23	2	Nut-Lock, NI
9	354-77	1	Fitting-Quick
9:1	237-78	1	O-Ring
10	354-79	1	Cap-Dust
11	75-4720	1	Fitting-Line, Suction
11:1	237-81	1	O-Ring
12	2412-129	2	Clamp-Hose
13	75-6350	1	Hose
15	75-6340-03	1	Filter
16	354-75	1	Fitting-HYD, 90°
16:1	237-81	1	O-Ring
17	75-1330	1	Element-Filter
18	323-12	2	Screw-HH
19	3253-21	2	Washer-Lock

Ref. No.	Part No.	Qty.	Description
20	75-0012	1	Transmission
21	3296-39	2	Nut-Lock, NI
22	237-161	1	O-Ring
23	86-7220	1	Gear-Pinion
24	32151-62	1	Ring-Retaining
25	323-20	2	Screw-HH

3329-369



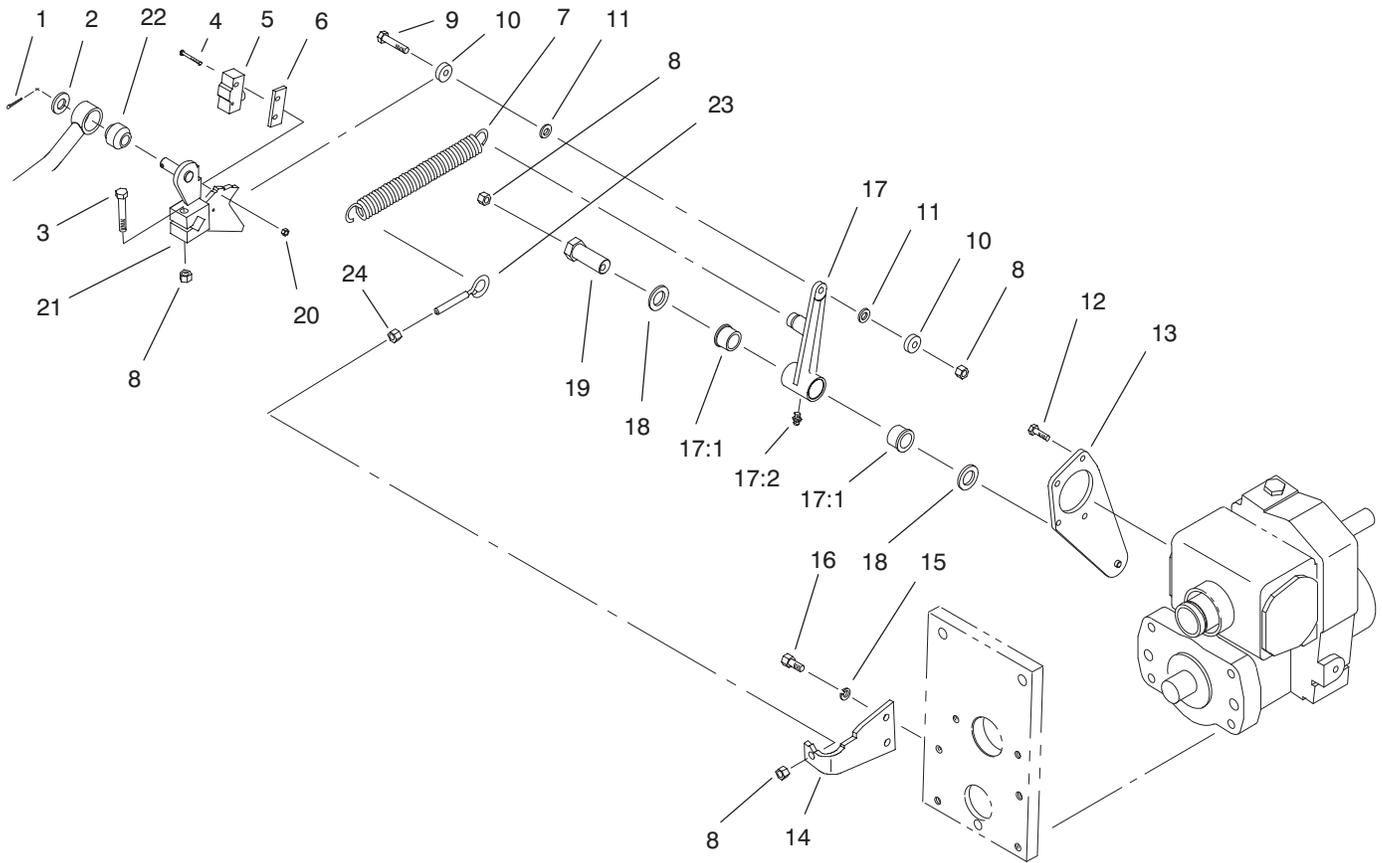
Sheet No.:A3  
T-1006

## Transmission Assembly No. 75-0012

Ref. No.	Part No.	Qty.	Description
1	75-0020	1	Housing
2	75-0030	1	Gasket-Housing
3	75-0040	1	Section-Center
4	83-4780	1	Housing-Pump, Charge
5	75-0060	4	Plug
6	75-0070	1	Plug
7	86-7520	1	RH Trunnion Cover ASM
8	75-0090	8	Capscrew-HH
9	86-7530	1	LH Trunnion Cover ASM
10	75-0110	2	Capscrew-HH
11	75-0120	1	Capscrew-HH
12	75-0130	3	Capscrew-HH
13	75-0140	1	Spring-Conical
14	75-0150	1	Guide-Seal
15	75-0160	1	Plug-Pipe
16	75-0170	4	Plug-Thread, Straight
16:1	92-8777	1	O-Ring
17	75-0180	2	Capscrew-HH
18	75-0190	2	Plug-Special
19	75-0200	2	Plug-Thread, Straight
20	75-0210	2	O-Ring
21	75-0220	2	Pin
22	75-0230	1	Seal-Lip

Ref. No.	Part No.	Qty.	Description
23	75-0240	6	O-Ring
24	75-0250	1	Spring
25	75-0260	4	Valve-Relief
26	75-0270	1	Spring
27	75-0280	1	Spring
28	75-0290	2	Spring
30	75-0310	1	Shim
31	75-0320	1	Nipple
32	75-0330	1	Seal-Lip
33	75-0340	1	Bearing-Needle
34	75-0350	1	Pin
35	75-0360	1	Gerotor
36	75-0370	1	O-Ring
37	75-0380	1	Plate-Valve
38	75-0390	1	Plate-Swash
39	75-0400	2	Plate-Thrust
40	75-0410	1	O-Ring
41	86-7540	1	Shaft-Pump
42	75-0430	1	Ring-Retaining
43	75-0440	1	Shaft-Motor
44	75-0450	1	Collar
45	75-0460	2	Bearing-Ball
46	75-0470	2	Cylinder Block Kit
47	75-0480	2	Pin
49	75-0500	2	Bearing-Needle
50	75-0510	1	Pin





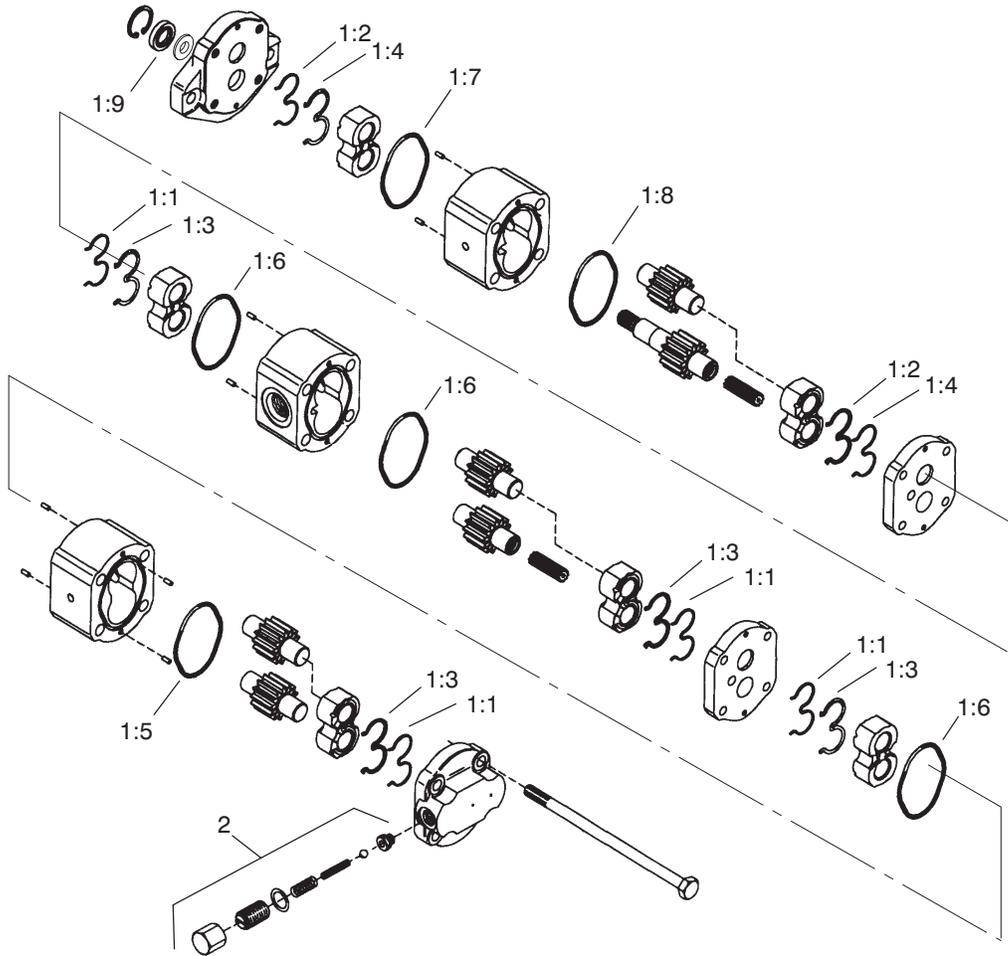
Sheet No.:12

## Traction Control Assembly

Ref. No.	Part No.	Qty.	Description
1	3272-10	1	Pin-Cotter
2	3256-26	1	Washer-Flat
3	322-10	1	Screw-HH
4	32105-21	2	Screw-HH
5	29-6162	1	Switch-Micro
6	75-4130	1	Plate-Switch
7	76-9430-03	1	Spring-Extention
8	3296-29	4	Nut-Lock, NI
9	322-7	1	Screw-HH
10	251-307	2	Bearing-Ball
11	75-5470	2	Spacer-Bearing
12	321-5	4	Screw-HH
13	104-1480-03	1	Traction Plate ASM
14	85-9900-03	1	Plate-Anchor, Spring
15	3253-4	2	Washer-Lock
16	322-3	2	Screw-HH
17	92-2581	1	Neutral Switch Arm ASM
17:1	256-113	2	Bushing-Flange
17:2	302-5	1	Fitting-Grease
18	3-6498	2	Washer-Thrust
19	76-8640	1	Stud-Traction
20	3296-9	2	Nut-Lock, NI
21	75-4100-03	1	Control-Pump
22	23-2270	1	Bushing-Rubber

Ref. No.	Part No.	Qty.	Description
23	85-9910	1	Eyebolt
24	3217-6	1	Nut-Hex





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Sheet No.:A4

### Gear Pump Assembly No. 99-6933

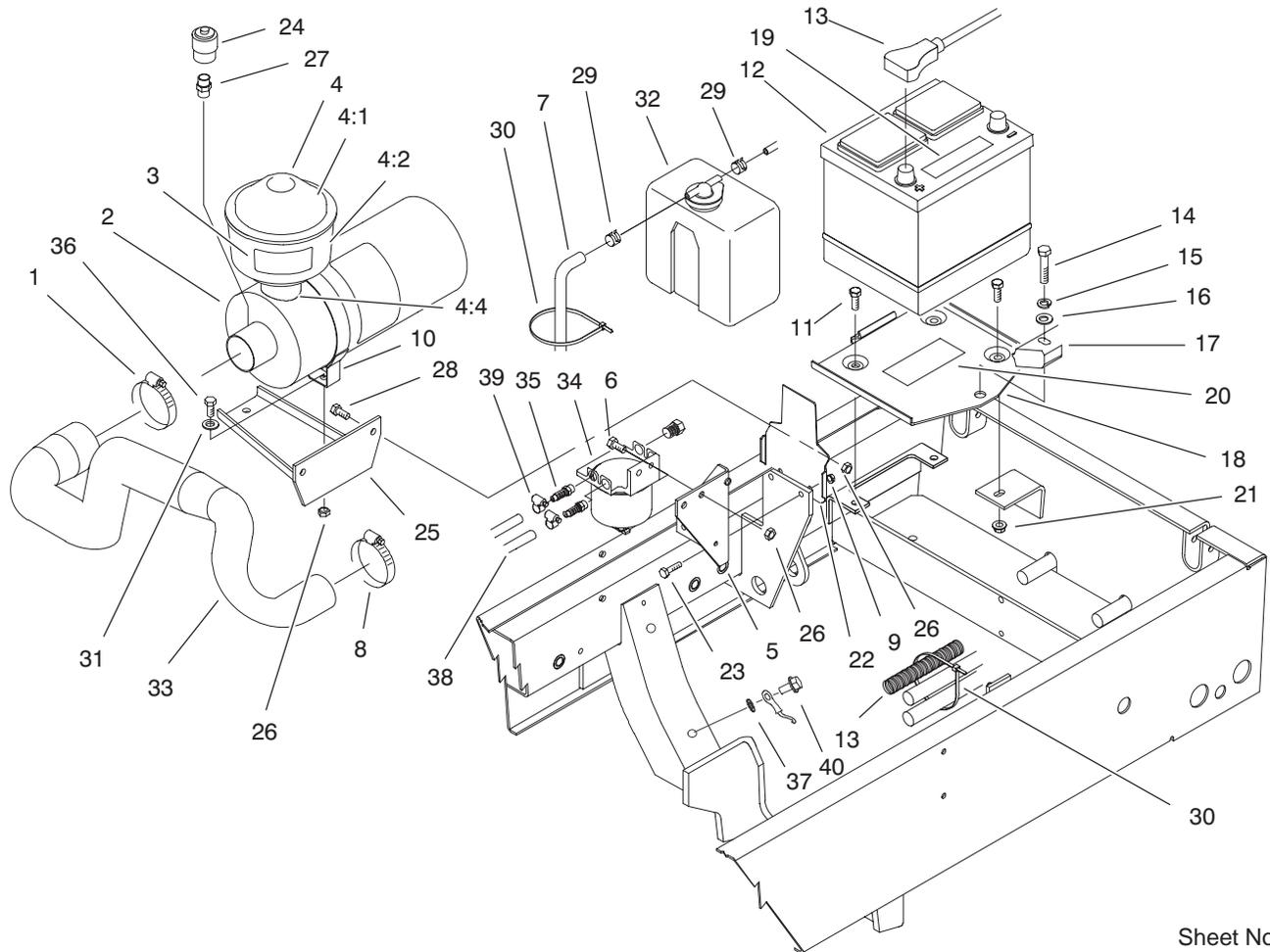
Ref. No.	Part No.	Qty.	Description
1	104-0576	1	Seal Kit
☆1:1		4	Seal-Extrusion, Anti
☆1:2		2	Seal-Extrusion, Anti
☆1:3		4	Seal-Loading, Pressure
☆1:4		2	Seal-Loading, Pressure
☆1:5		1	O-Ring
☆1:6		3	O-Ring
☆1:7		1	O-Ring
☆1:8		1	O-Ring
☆1:9		1	Seal-Shaft
2	104-0577	1	Cover/Relief Valve ASM

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately







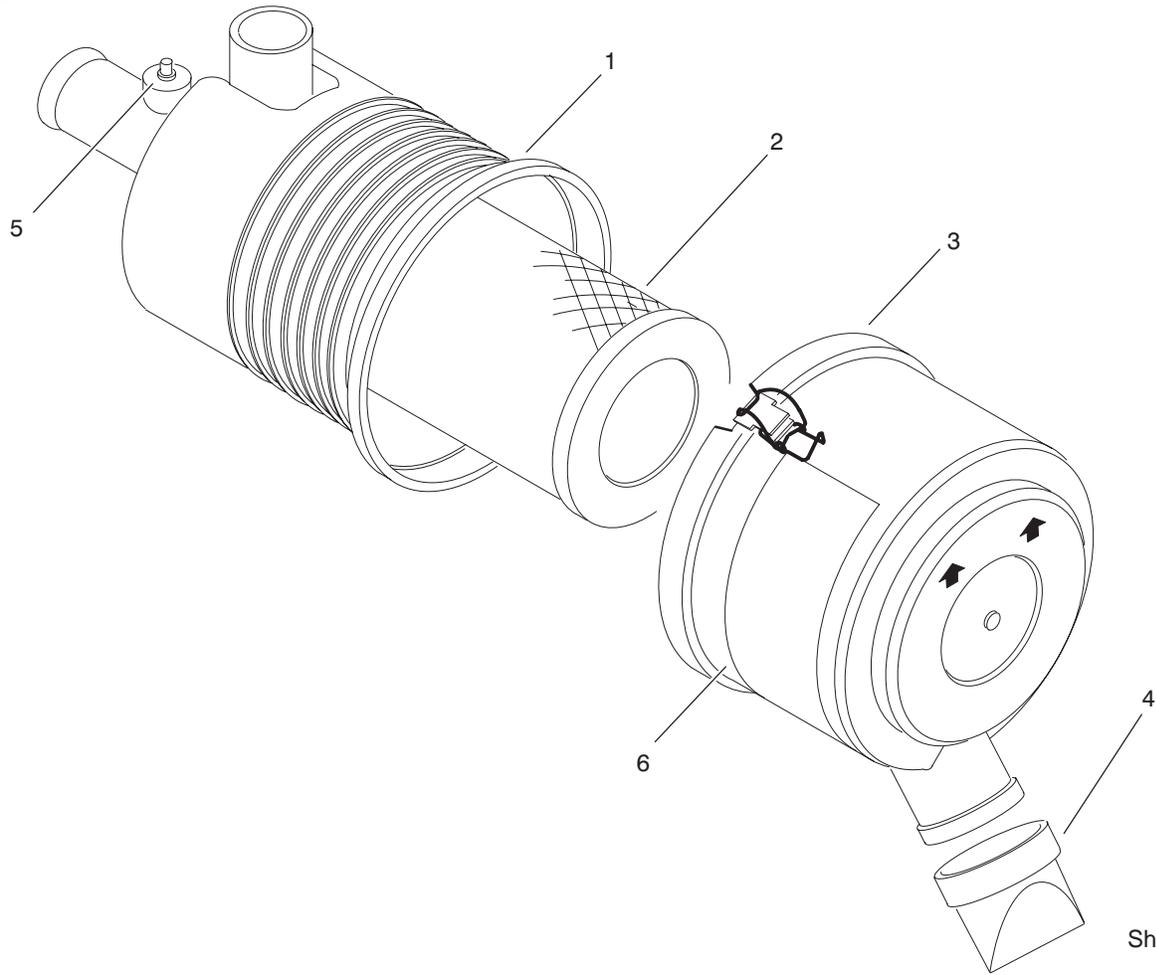
Sheet No.:16

## Engine Components Assembly

Ref. No.	Part No.	Qty.	Description
1	2412-42	1	Clamp-Hose
2	98-4517	1	Air Cleaner ASM
3	93-6692	1	Decal-Fluid, Starting
4	48-7430	1	Precleaner
4:1	33-1260	1	Cover ASM
4:2	33-1270	1	Bowl-Clear
*4:3	62-6300	1	Sleeve ASM
4:4	94-6873	1	Clamp
5	98-4578-03	1	Bracket-Filter, Fuel
6	3234-29	2	Screw-HHF
7	63-7630	1	Hose-Fuel
8	2412-92	1	Clamp-Hose
9	32128-33	2	Nut-HF
10	98-4525	1	Bracket-Cleaner, Air
11	322-4	3	Screw-HH
13	104-0086	1	Cable-Battery, Positive
14	323-9	1	Screw-HH
15	3253-21	1	Washer-Lock
16	3256-24	1	Washer-Flat
17	66-2490	1	Retainer-Battery
18	94-7343	1	Battery Base ASM
19	93-6668	1	Decal-Battery
20	93-7276	1	Decal-Danger
21	32128-20	1	Nut-HF

Ref. No.	Part No.	Qty.	Description
22	98-4576-03	1	Bracket-Reservoir, Water
23	321-5	2	Screw-HH
24	93-9164	1	Indicator-Mini
25	98-4518-03	1	Bracket-Cleaner, Air
26	3296-29	6	Nut-Lock, NI
27	94-1416	1	Indicator Adapter ASM
28	322-5	2	Screw-HH
29	92-2379	2	Clamp-Hose
30	3290-378	2	Tie-Cable
31	3256-23	2	Washer-Flat
32	104-9318	1	Bottle-Overflow
33	98-4509	1	Hose-Cleaner, Air
34	98-9305	1	Filter-Water/Fuel
35	353-783	2	Fitting
36	322-6	2	Screw-HH
37	3255-8	1	Washer-Lock
38	95-4275	1	Hose-Fuel
39	2412-108	4	Clamp-Worm
40	32144-14	1	Screw-HWH

\* Not illustrated



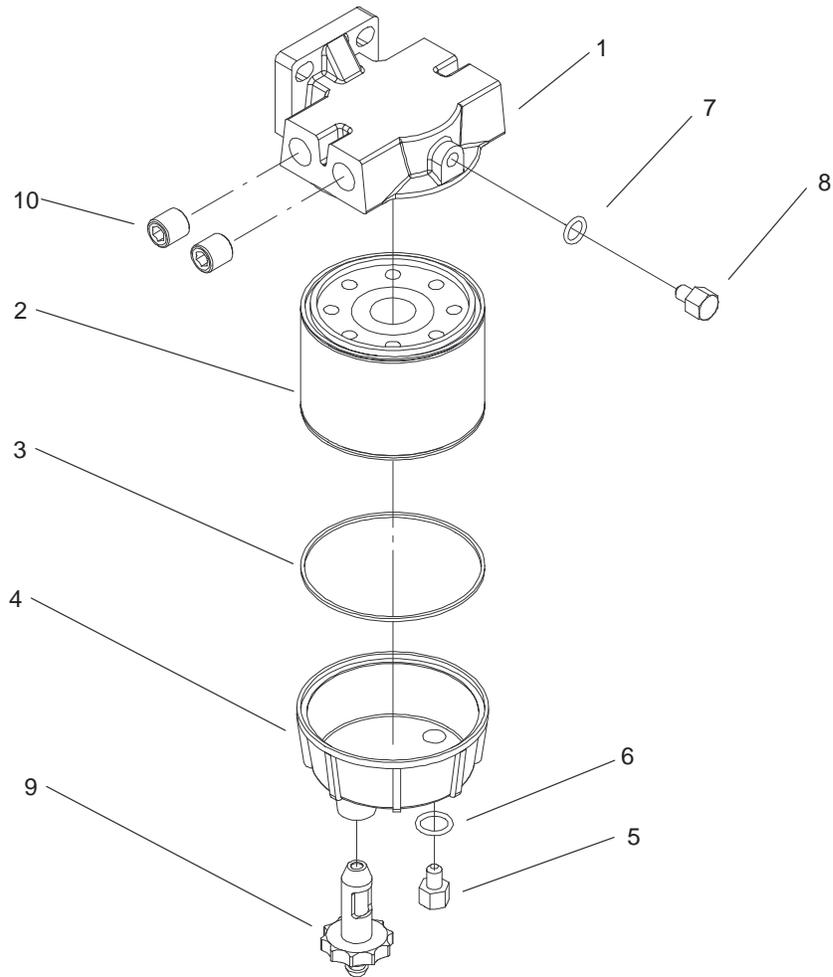
Sheet No.:A9  
T-2903

## Air Cleaner Assembly No. 98-4517

Ref. No.	Part No.	Qty.	Description
☆1		1	Body Assembly
2	98-9763	1	Element ASM
3	98-9771	1	Cover ASM
4	94-1414	1	Valve-Vacuator
☆5		1	Plug
6	98-9788	1	Decal-Instruction

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately

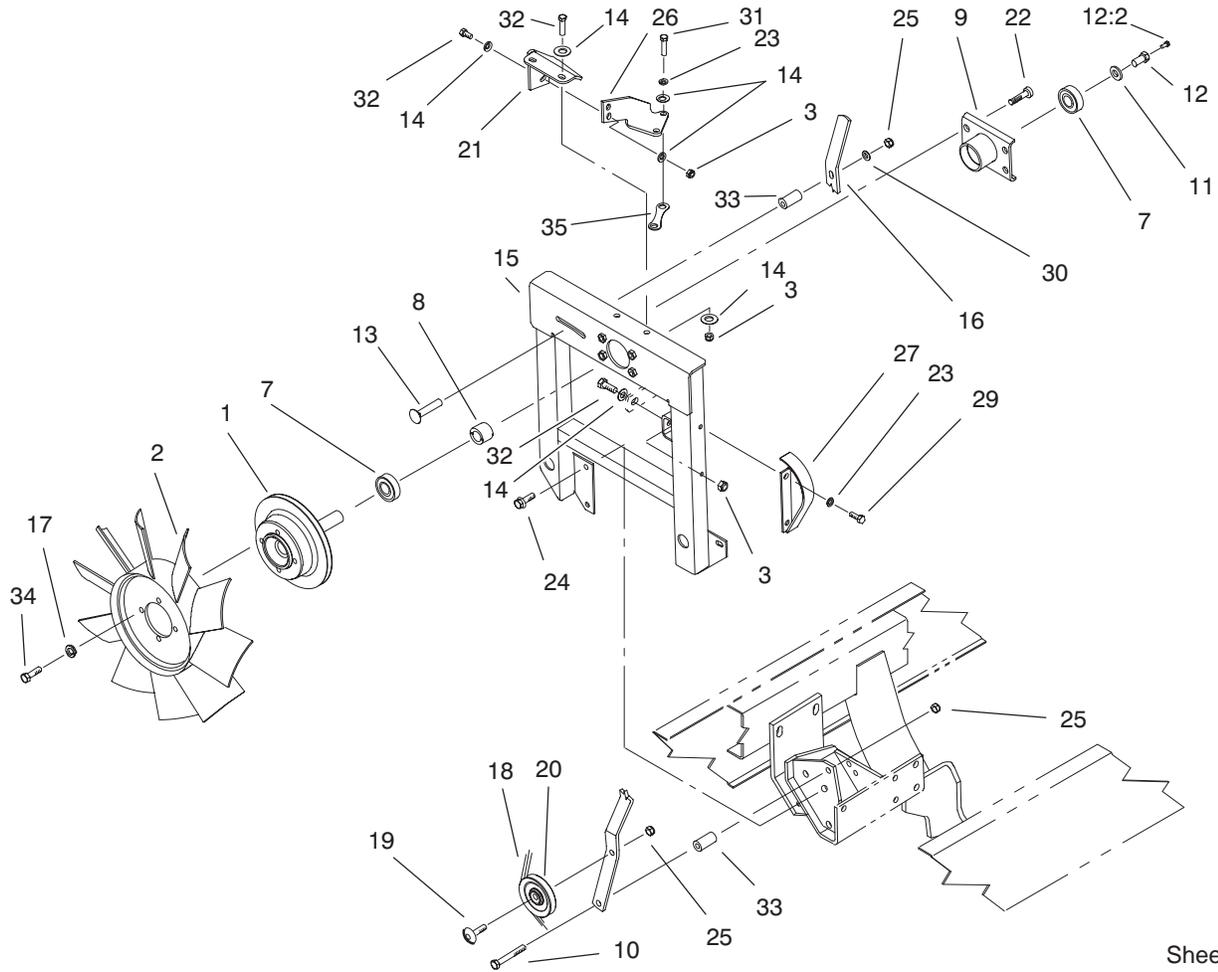


Sheet No.:B1  
T-3330

## Water/Fuel Separator Assembly No. 98-9305

Ref. No.	Part No.	Qty.	Description
1	98-9772	1	Head-Filter
2	98-9764	1	Element
3	98-9774	1	O-Ring-Base, Filter
4	98-9775	1	Base-Filter
5	98-9773	1	Plug-Base, Filter
6	237-42	1	O-Ring
7	237-78	1	O-Ring
8	98-9776	1	Plug-Head, Filter
9	98-9777	1	Drain Valve ASM
10	285-22	2	Plug-Pipe

Ref. No.	Part No.	Qty.	Description

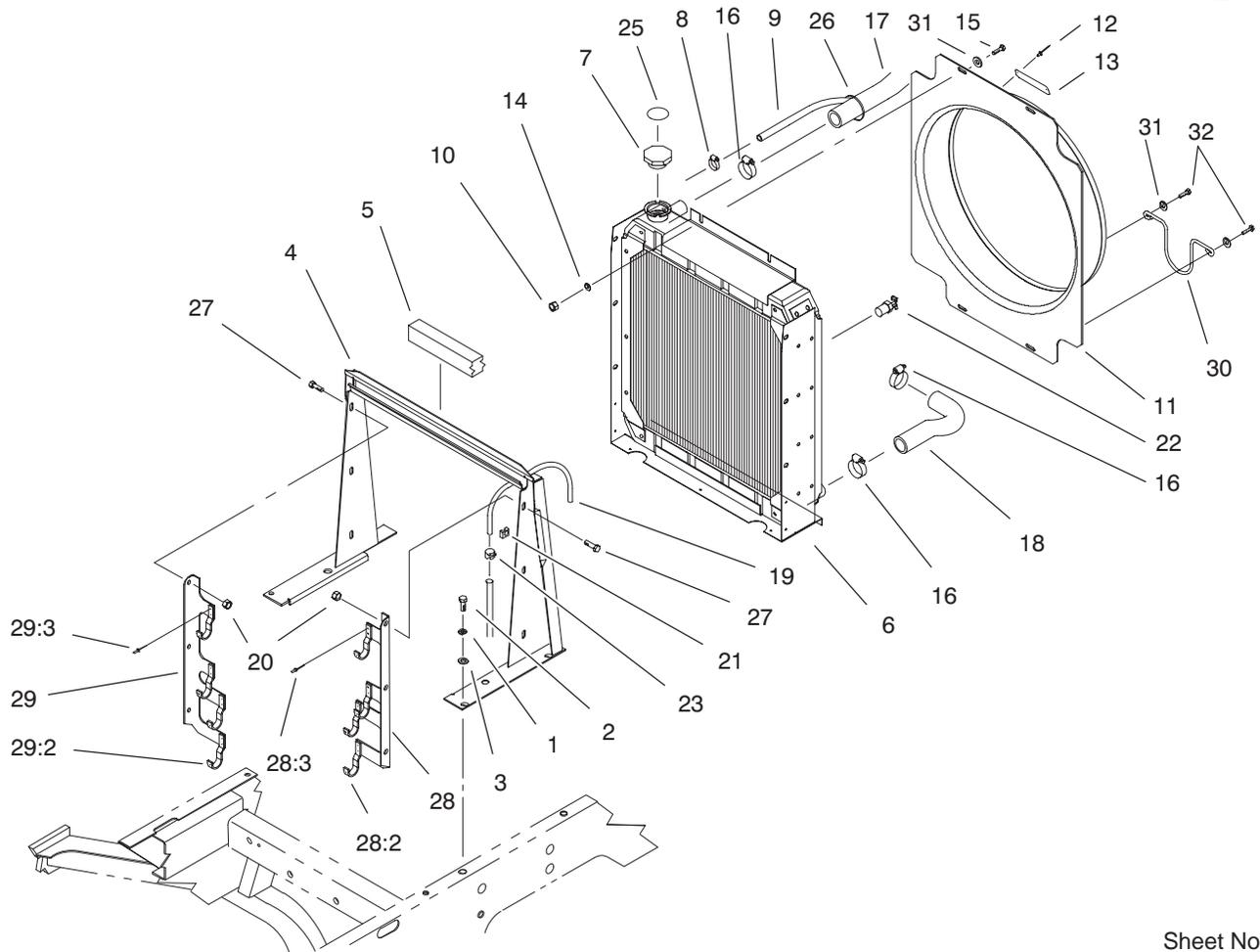


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## Fan Drive Assembly

Ref. No.	Part No.	Qty.	Description
1	104-0000-03	1	Pulley
2	99-6937	1	Fan
3	3296-29	5	Nut-Lock, NI
7	251-318	2	Bearing
8	104-0001	1	Spacer
9	104-0017-03	1	Hub ASM
10	323-12	1	Screw-HH
11	63-8410	1	Washer
12	11-0160	1	Roller Shaft Screw ASM
12:2	302-5	1	Fitting-Grease
13	104-1487	1	Bolt-CARR
14	3256-23	11	Washer-Flat
15	104-1440-03	1	Support-Fan
16	104-0006-03	1	Lever-Fan, Idler
17	3253-4	4	Washer-Lock
18	98-3921	1	Belt
19	95-3857	1	Screw-HSBH
20	63-8140	1	Pulley-Idler
21	104-1447-03	1	Bracket-Fan, Support
22	3274-12	4	Screw-HSH
23	42-9850	4	Washer-Lock, Spring
24	3234-29	6	Screw-HHF
25	3296-59	3	Nut-Lock, NI
26	104-1481-03	1	Bracket-Mount, Fan
27	98-4561-03	1	Shield-Alternator

Ref. No.	Part No.	Qty.	Description
29	32144-14	2	Screw-HWH
30	3256-24	1	Washer-Flat
31	33114-020	2	Screw-HH
32	322-4	5	Screw-HH
33	104-0007	2	Spacer
34	322-3	4	Screw-HH
35	104-1482	1	Plate-Washer



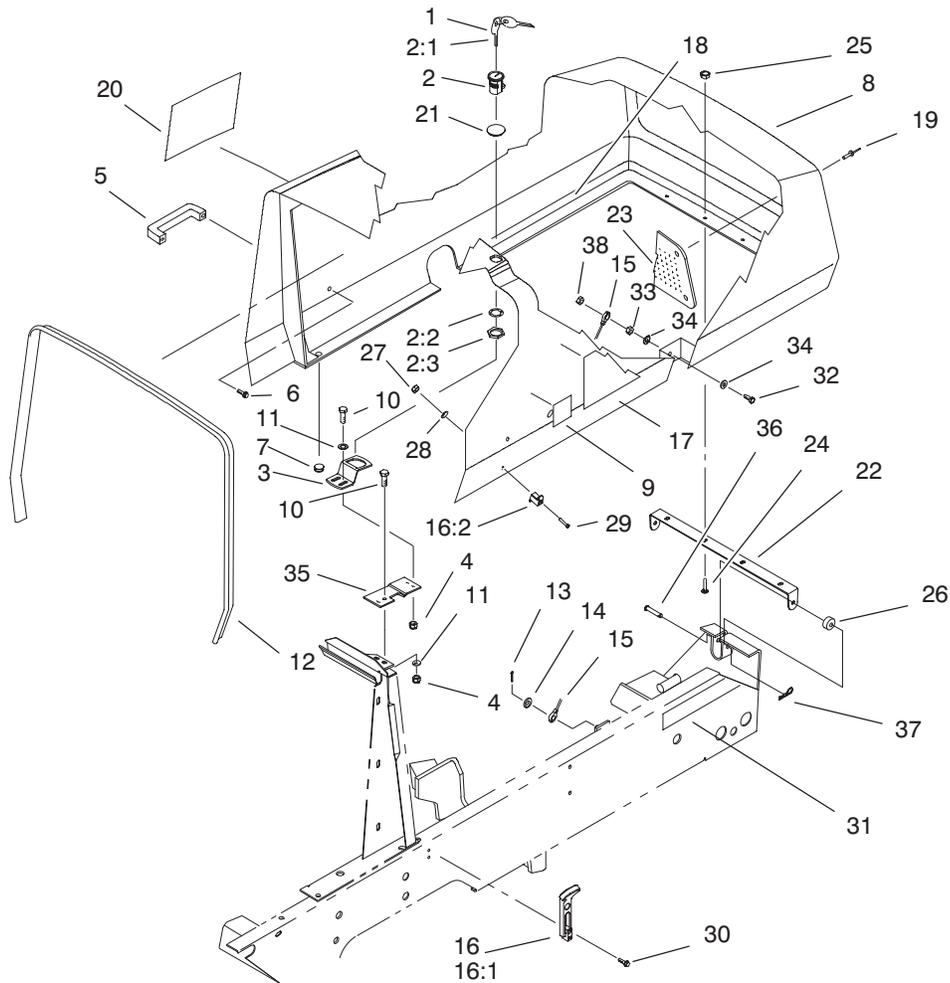
Sheet No.:18

## Radiator Assembly

Ref. No.	Part No.	Qty.	Description
1	3253-4	4	Washer-Lock
2	322-5	4	Screw-HH
3	3256-23	4	Washer-Flat
4	99-6970-03	1	Support-Radiator
5	104-1418	1	Strip-Foam, Radiator
6	99-6936	1	Radiator
7	66-3240	1	Cap-Radiator
8	92-2379	1	Clamp-Hose
9	104-0079	1	Hose-Fuel
10	3296-42	4	Nut-Lock, NI
11	99-6939	1	Shroud-Fan
12	3290-55	2	Rivet-Pop
13	98-9335	1	Plate-Warning, Fan
14	3256-22	4	Washer-Flat
15	321-4	2	Screw-HH
16	2412-34	4	Clamp-Hose
17	104-0013	1	Hose-Radiator, Upper
18	104-0014	1	Hose-Radiator, Lower
19	66-3180	1	Tube-Vent
20	32128-20	6	Nut-HF
21	2412-103	1	Clamp
22	304-46	1	Draincock
23	2412-98	1	Clamp
25	106-5976	1	Decal-Cap, Radiator
26	3290-379	1	Tie-Cable
27	3234-5	6	Screw

Ref. No.	Part No.	Qty.	Description
28	99-6991	1	LH Cooler Mount ASM
28:2	75-0930	4	Hook-Mount, Cooler
28:3	3269-15	8	Rivet
29	99-6994	1	RH Cooler Mount ASM
29:2	75-0930	4	Hook-Mount, Cooler
29:3	3269-15	8	Rivet
30	104-1448	1	Hoop-Driveline
31	3256-55	4	Washer-Flat
32	321-6	2	Screw-HH





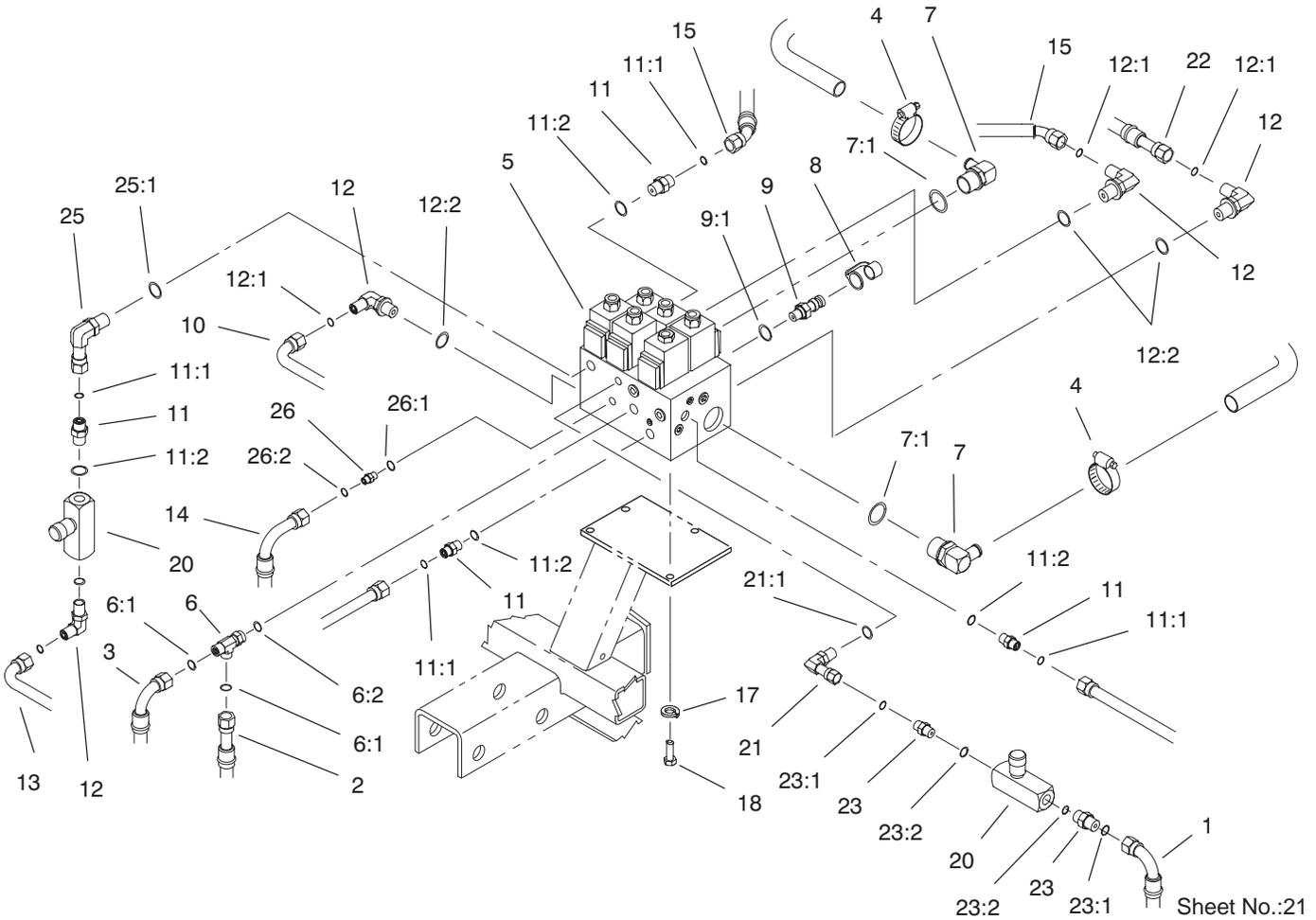
Sheet No.:20

# Hood Assembly

Ref. No.	Part No.	Qty.	Description
1	98-9321	1	Ring-Key
2	98-9315	1	Latch-Locking
2:1	99-8350	2	Key-Latch, Locking
☆2:2		1	Washer-Switch
☆2:3		1	Nut-Switch
3	98-9316	1	Latch-Hood
4	3296-16	4	Nut-Lock, NI
5	65-5100	2	Handle-Door
6	46-8091	4	Screw-HWH
7	104-1412	2	Grommet-Bumper
8	104-9320	1	Hood ASM
9	93-7252	1	Decal-International
10	321-4	4	Screw-HH
11	3256-1	4	Washer-Flat
12	104-1419	1	Strip-Bulb
13	3272-4	2	Pin-Cotter
14	3256-23	2	Washer-Flat
15	75-0570	2	Cable-Hood
16	104-0010	2	Latch-Draw, Flexible
16:1	104-0011	1	Handle-Latch
16:2	104-0012	1	Keeper-Latch
17	106-7063	2	Decal
18	104-9328-03	1	Frame-Hood
19	104-1417	10	Rivet-Plastic
20	66-6140	2	Decal
21	104-1453	1	Grommet

Ref. No.	Part No.	Qty.	Description
22	104-0042-03	1	Strap-Hinge
23	104-0043-03	1	Screen-Rear
24	3229-3	4	Screw-CARR
25	32128-33	4	Nut-HF
26	104-1429	2	Spacer-Plastic
27	3296-12	2	Nut-Lock
28	3256-51	2	Washer-Flat
29	104-1452	2	Screw-PPH
30	104-1451	4	Screw-TAP, PPH
31	72-3560	1	Decal-4wd (only on: 03551)
32	321-15	2	Screw-HH
33	3218-1	2	Nut-Jam
34	3256-16	4	Washer-Flat
35	104-1439	1	Plate-Latch
36	94-3829	2	Pin-Clevis
37	3290-250	2	Pin-Hair
38	3296-56	2	Nut-Lock, NI

☆ Not serviced separately

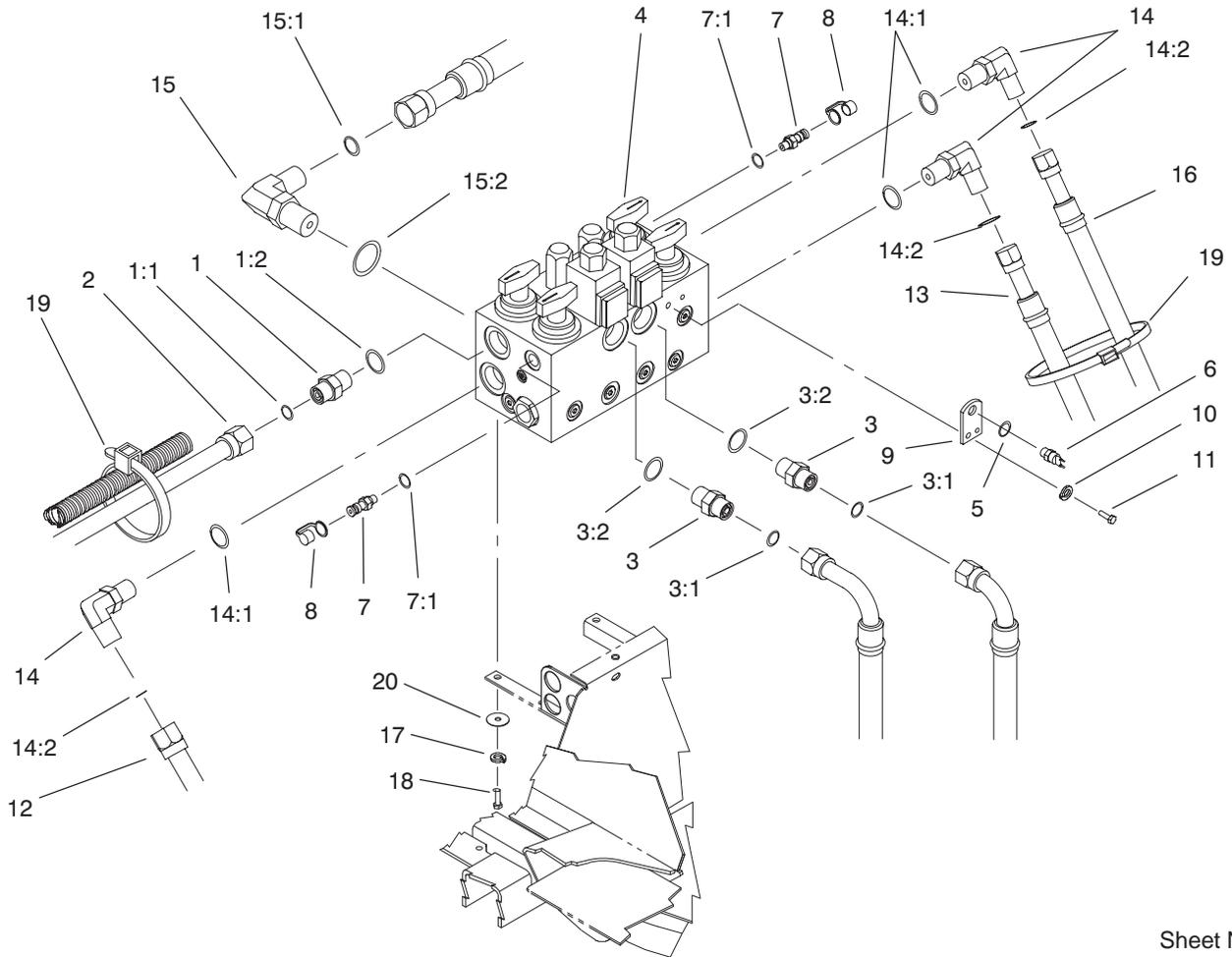


## Lift Block Assembly

Ref. No.	Part No.	Qty.	Description
1	104-0061	1	HYD Hose ASM
2	104-0060	1	HYD Hose ASM
3	104-0059	1	HYD Hose ASM
4	2412-34	2	Clamp-Hose
5	104-9335	1	Manifold-Block, Lift
6	340-86	1	Fitting-HYD, Tee
6:1	237-22	2	O-Ring
6:2	237-42	1	O-Ring
7	23-8910	2	Stem-Barb, 90°
7:1	237-146	1	O-Ring
8	354-79	1	Cap-Dust
9	59-7410	1	Tip-Nipple, Diagonal
9:1	237-42	1	O-Ring
10	98-3907	1	Tube ASM
11	340-2	4	Fitting-HYD, Straight
11:1	237-22	1	O-Ring
11:2	237-42	1	O-Ring
12	340-77	4	Fitting-HYD, 90°
12:1	237-22	1	O-Ring
12:2	237-42	1	O-Ring
13	104-0093	1	Tube ASM
14	104-0062	1	HYD Hose ASM
15	104-0055	2	HYD Hose ASM
17	3253-4	3	Washer-Lock
18	322-3	3	Screw-HH
20	98-9742	2	Valve-Control, Flow

Ref. No.	Part No.	Qty.	Description
21	340-143	1	Elbow-Swivel, 90°
21:1	237-78	1	O-Ring
22	104-0054	1	HYD Hose ASM
23	340-1	2	Adapter
23:1	237-35	1	O-Ring
23:2	237-42	1	O-Ring
25	340-110	1	Fitting-90°, Swivel
25:1	237-42	1	O-Ring
26	340-92	1	Fitting-HYD, Straight
26:1	237-78	1	O-Ring
26:2	237-21	1	O-Ring



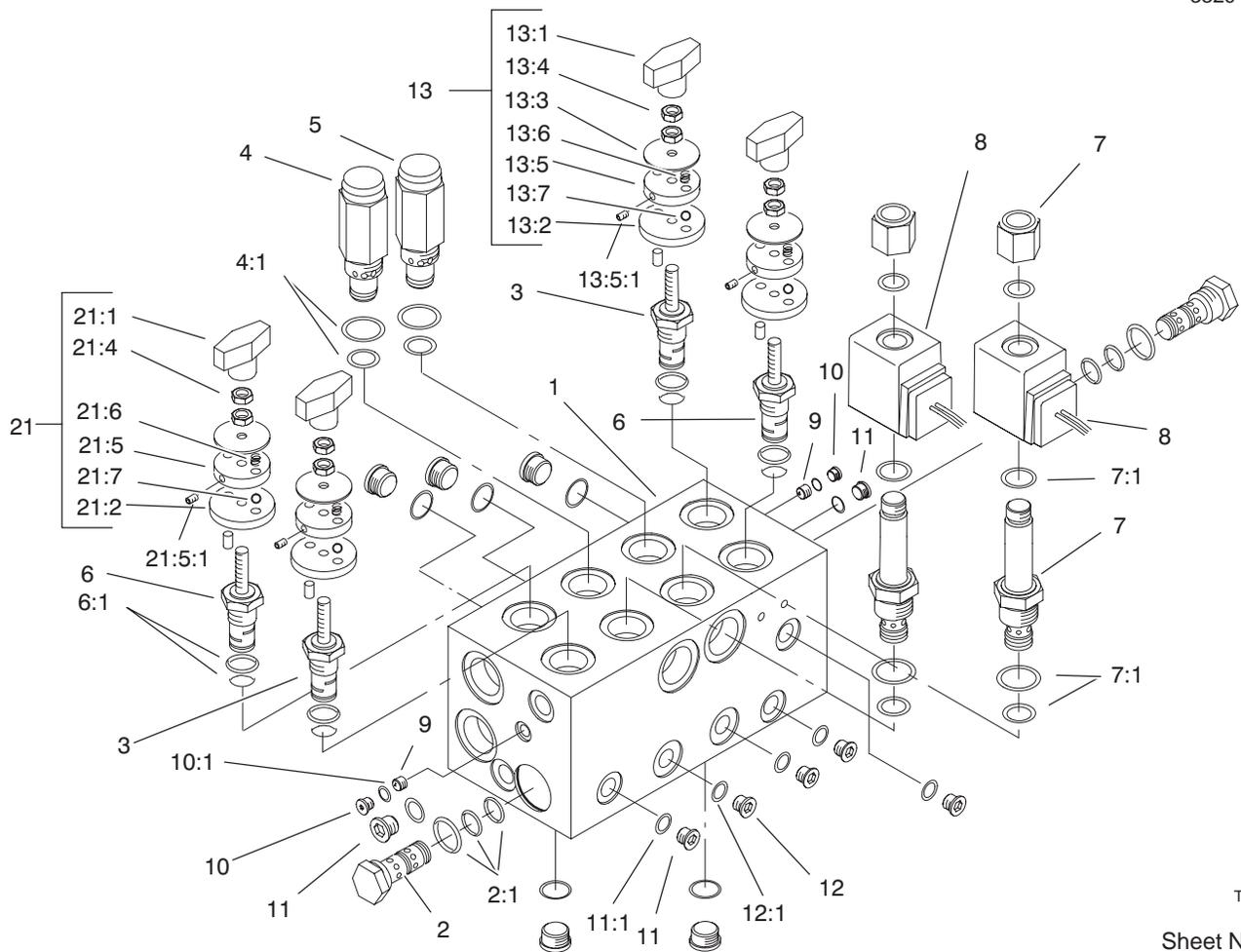


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## Mow Block Assembly

Ref. No.	Part No.	Qty.	Description
1	340-6	1	Fitting-HYD, Straight
1:1	237-30	1	O-Ring
1:2	237-80	1	O-Ring
2	98-3905	1	Tube ASM
3	340-7	2	Adapter
3:1	237-65	1	O-Ring
3:2	237-80	1	O-Ring
4	99-6978	1	Block-Manifold, Mow
5	3256-76	2	Washer-Flat
6	72-4320	2	Switch-Ball, N.o.
7	354-77	2	Fitting-Quick
7:1	237-78	1	O-Ring
8	354-79	2	Cap-Dust
9	98-8199	2	Bracket-Switch
10	3253-3	4	Washer-Lock
11	329-3	4	Screw-HH
12	98-3906	1	Tube ASM
13	104-0065	1	HYD Hose ASM
14	340-105	3	Fitting-HYD, 90°
14:1	237-80	1	O-Ring
14:2	237-30	1	O-Ring
15	340-142	1	Fitting-HYD, 90°
15:1	237-58	1	O-Ring
15:2	237-81	1	O-Ring
16	104-0066	1	HYD Hose ASM
17	3253-4	4	Washer-Lock

Ref. No.	Part No.	Qty.	Description
18	322-3	4	Screw-HH
19	3290-378	2	Tie-Cable
20	3256-23	4	Washer-Flat



T-3575

Sheet No.:B3

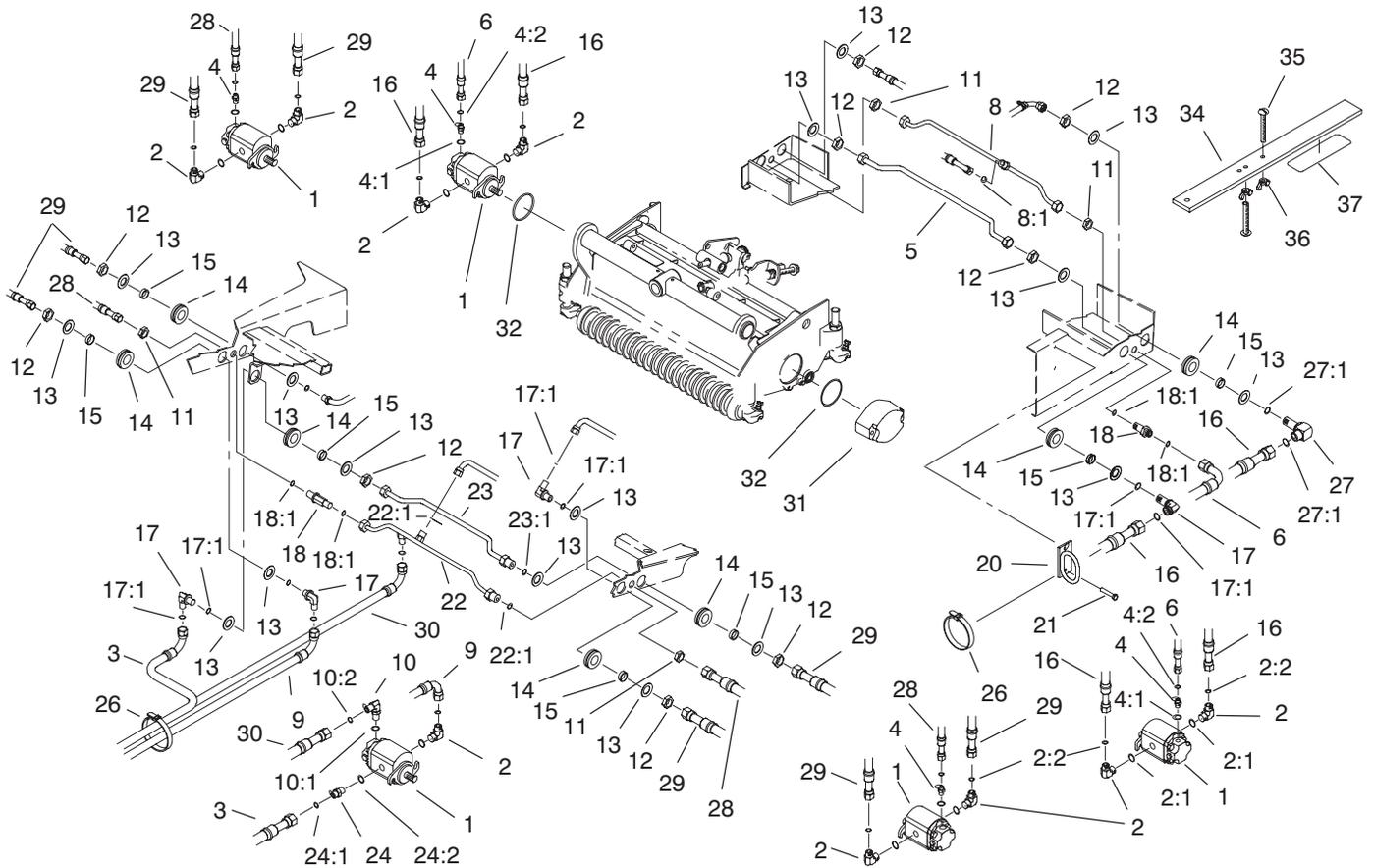
## Mow Block Assembly No. 99-6978

Ref. No.	Part No.	Qty.	Description
☆1		1	Body-Manifold
2	69-4120	2	Cartridge-Logic
2:1	69-4240	1	Seal Kit
3	94-8175	2	Control-Flow, Rotary
4	94-3655	1	Valve-Relief
4:1	75-2080	1	Seal Kit
5	104-1200	1	Valve-Relief, Cartridge
6	94-3657	2	Spool ASM
6:1	94-3661	1	4-Way Seal Kit
7	93-7494	2	Cartridge
7:1	75-2080	1	Seal Kit
8	83-2010	2	Coil-Valve
9	95-5999	2	Plug-Orifice
10	353-991	4	Plug-Hex, Hollow
10:1	237-156	1	O-Ring
11	353-990	8	Plug
11:1	237-78	1	O-Ring
12	353-989	4	Plug-Hex, Hollow
12:1	237-42	1	O-Ring
13	94-3660	2	Detent Kit
13:1	94-5020	1	Knob ASM
13:2	94-5025	1	Plate-Locating
13:3	94-5026	1	Plate-Indicator
13:4	3218-1	2	Nut-Jam
13:5	94-5023	1	Plate-Detent
13:5:1	3245-36	1	Screw-HSH

Ref. No.	Part No.	Qty.	Description
13:6	94-5027	2	Spring
13:7	255-13	2	Ball-Steel, Stainless
21	94-6378	2	Detent Kit
21:1	94-5020	1	Knob ASM
21:2	94-5021	1	Plate-Locating
21:4	3218-1	2	Nut-Jam
21:5	94-5023	1	Plate-Detent
21:5:1	3245-36	1	Screw-HSH
21:6	94-5027	2	Spring
21:7	255-13	2	Ball-Steel, Stainless

☆ Not serviced separately



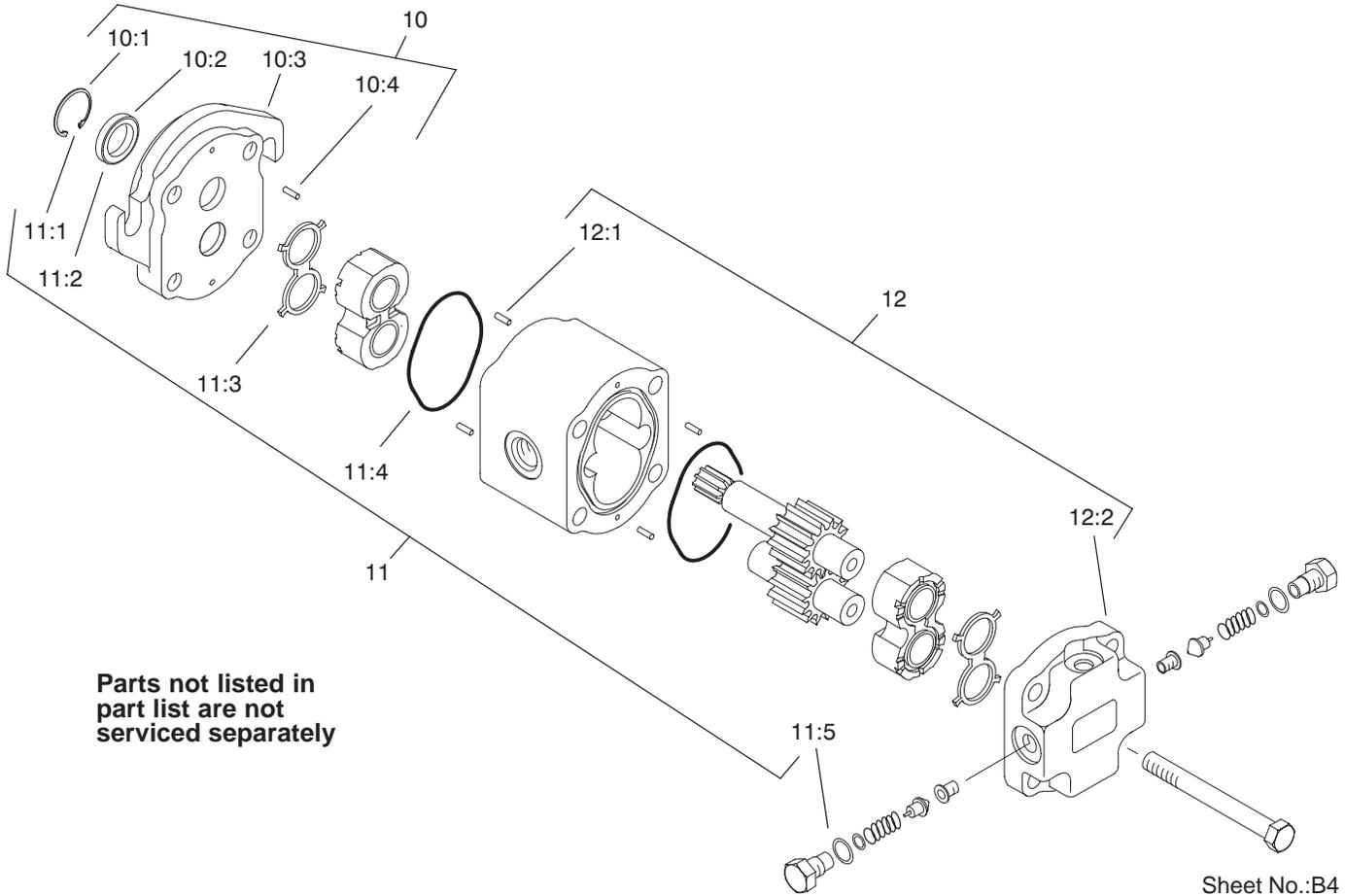


Sheet No.:24

## Reel Motor and Hose Assembly

Ref. No.	Part No.	Qty.	Description
1	98-9999	5	Motor-Hydraulic
2	340-98	9	Fitting-HYD, 90°
2:1	237-79	1	O-Ring
2:2	237-30	1	O-Ring
3	104-0067	1	HYD Hose ASM
4	340-92	4	Fitting-HYD, Straight
4:1	237-78	1	O-Ring
4:2	237-21	1	O-Ring
5	94-4918	1	Tube ASM
6	104-0058	2	HYD Hose ASM
8	100-3714	1	Drain Tube ASM
8:1	237-21	1	O-Ring
9	104-0068	1	Hydraulic Hose ASM
10	340-132	1	Fitting-HYD, 90°
10:1	237-78	1	O-Ring
10:2	237-21	1	O-Ring
11	340-70	4	Nut-Lock
12	340-127	9	Nut-Bulkhead
13	69-8930	18	Washer
14	240-5	9	Grommet
15	69-8960	9	Spacer
16	104-0057	4	HYD Hose ASM
17	93-9151	5	Fitting-HYD
17:1	237-30	2	O-Ring
18	340-71	3	Fitting-Straight, Bulkhead

Ref. No.	Part No.	Qty.	Description
18:1	237-22	2	O-Ring
20	104-0028	2	Guide-Hose
21	32104-32	4	Screw-HH
22	104-0094	1	Tube ASM
22:1	237-22	3	O-Ring
23	104-0092	1	Tube ASM
23:1	237-30	1	O-Ring
24	340-4	1	Adapter
24:1	237-30	1	O-Ring
24:2	237-79	1	O-Ring
26	3290-379	10	Tie-Cable
27	100-3713	2	Fitting-HYD, 90°
27:1	237-30	2	O-Ring
28	104-0063	2	HYD Hose ASM
29	104-0069	4	HYD Hose ASM
30	104-0064	1	HYD Hose ASM
31	105-4011-03	5	Weight-End
32	93-9783	10	O-Ring
34	98-1851	1	Bar-Gauge
35	32122-54	2	Screw-Head, Truss
36	32103-3	2	Nut-Wing
37	98-7976	1	Decal-Bar, Gauge



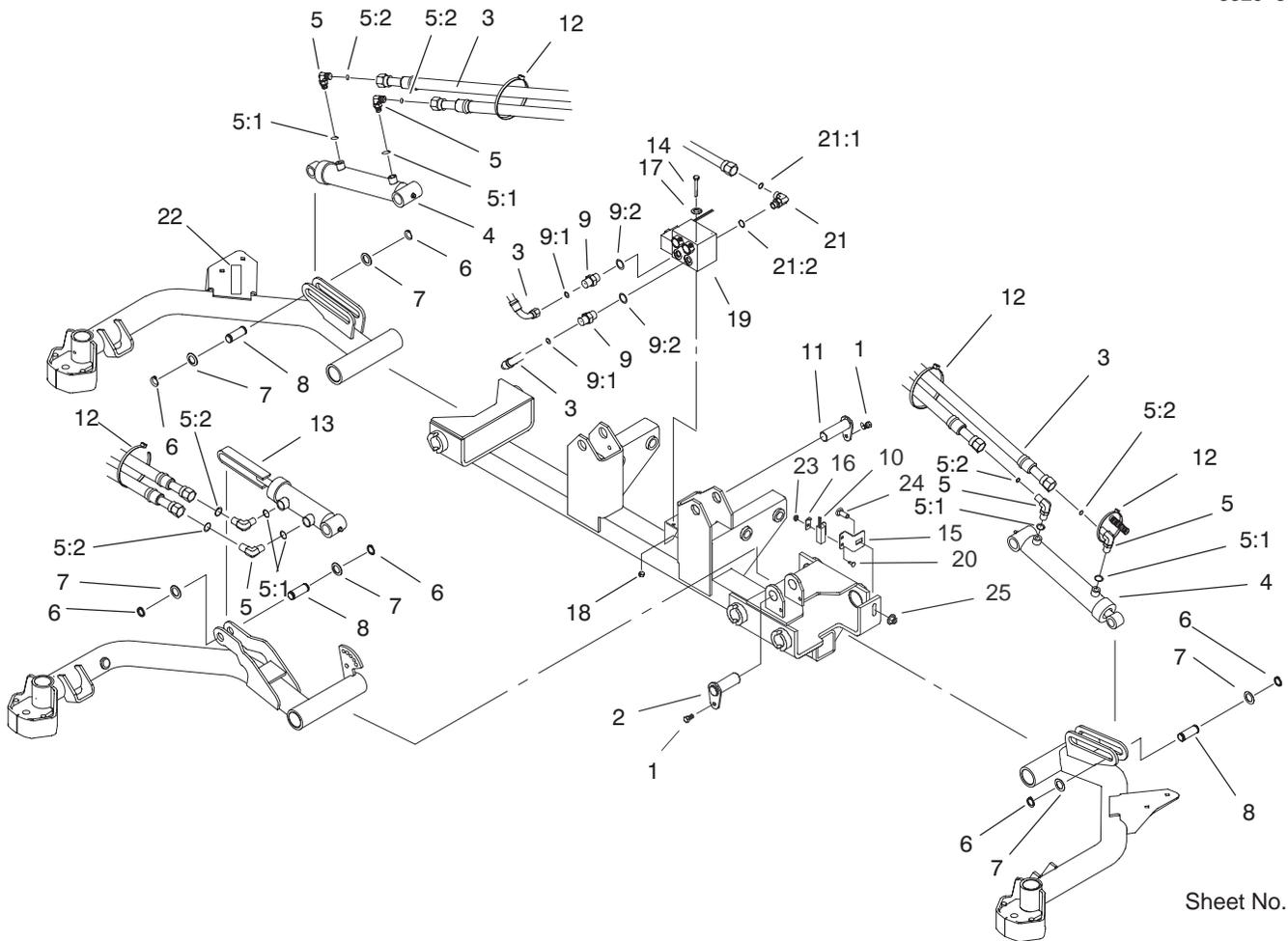
Sheet No.:B4  
T-3830

## Reel Motor Assembly No. 98-9999

Ref. No.	Part No.	Qty.	Description
10	93-9152	1	Flange Kit
☆10:1		1	Ring-Retaining
☆10:2		1	Seal-Shaft
☆10:3		1	Flange
☆10:4		4	Pin-Dowel
11	98-9997	1	Seal Kit
☆11:1		1	Ring-Retaining
☆11:2		1	Seal-Shaft
☆11:3		2	E-Seal
☆11:4		2	O-Ring
☆11:5		2	O-Ring
12	93-9154	1	Valve Block Kit
☆12:1		4	Pin-Dowel
☆12:2		1	Block-Valve

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately



Sheet No.:25

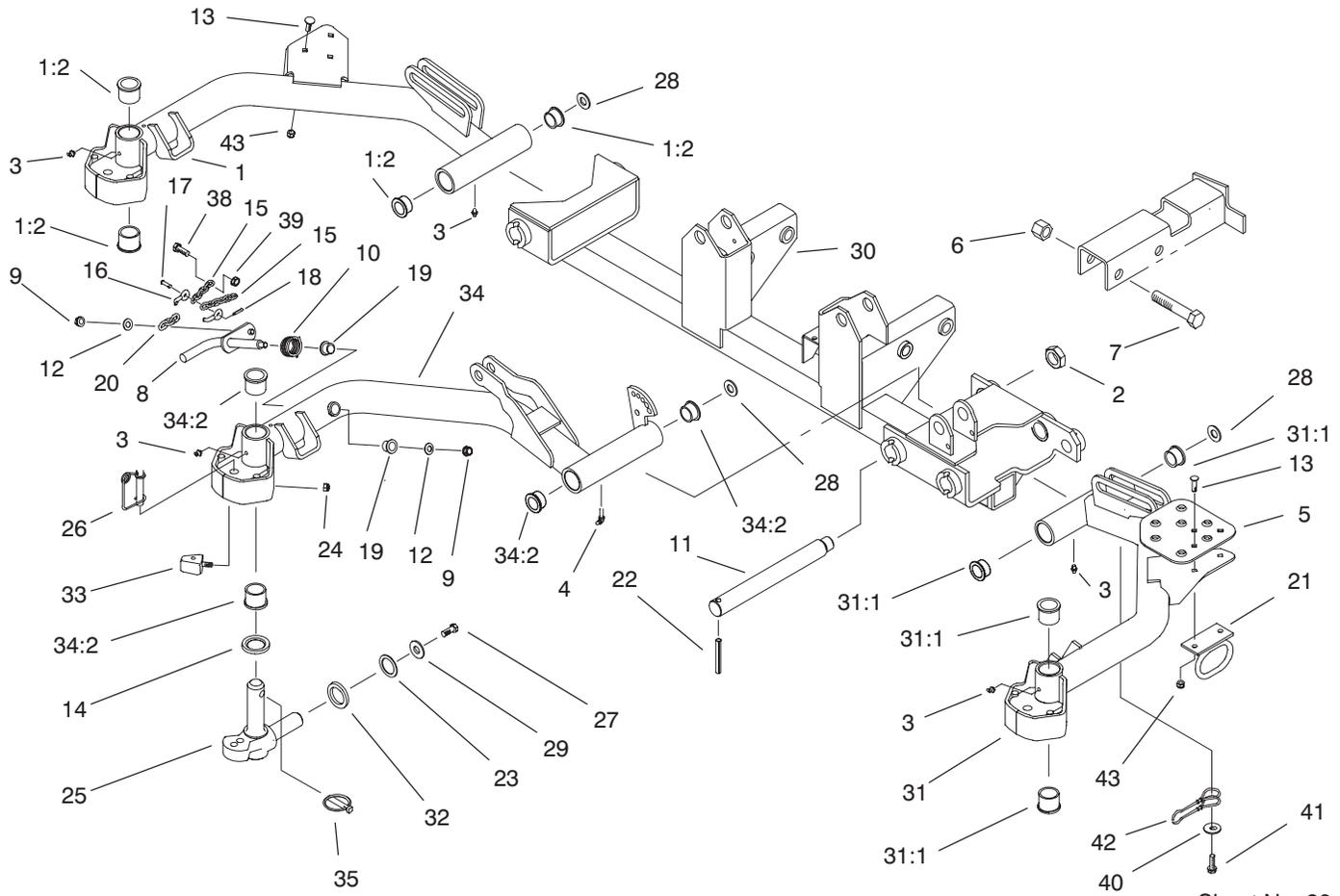
## Front Lift Circuit Assembly

Ref. No.	Part No.	Qty.	Description
1	32144-14	3	Screw-HWH
2	106-9208	1	Short Cylinder Pin ASM
3	104-0059	2	HYD Hose ASM
4	99-6986	2	Cylinder-Hydraulic
5	340-132	6	Fitting-HYD, 90°
5:1	237-78	1	O-Ring
5:2	237-21	1	O-Ring
6	32120-93	6	Ring-Retaining
7	3-6498	6	Washer-Thrust
8	104-0046	3	Pin-Slide, Cylinder
9	340-2	2	Fitting-HYD, Straight
9:1	237-22	1	O-Ring
9:2	237-42	1	O-Ring
10	100-1270	1	Switch-Proximity
11	105-9889	2	Cylinder Pin ASM
12	3290-378	2	Tie-Cable
13	99-6987	1	Cylinder-HYD
14	321-23	2	Screw-HH
15	106-5954	1	Bracket-Switch
16	100-4872	1	Plate-Switch, Neutral
17	3256-1	2	Washer-Flat
18	3296-42	2	Nut-Lock, NI
19	105-3303	1	Flow Divider Valve ASM
20	104-1450	1	Bolt-CARR

Ref. No.	Part No.	Qty.	Description
21	340-77	1	Fitting-HYD, 90°
21:1	237-22	1	O-Ring
21:2	237-42	1	O-Ring
22	93-6687	1	Decal-Step, No
23	32149-7	1	Nut-Keps
24	3231-22	1	Screw-CARR
25	32128-43	1	Nut-Flange







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## Front Lift Arm Assembly

Ref. No.	Part No.	Qty.	Description
1	99-6905-03	1	Arm ASM #5
1:2	104-0015	2	Bushing-Flange
2	3296-49	3	Nut-Lock, NI
3	302-5	5	Fitting-Grease
4	302-60	1	Fitting-Grease
5	104-1438-03	1	Step-Perforated
6	3296-51	4	Nut-Lock, NI
7	328-7	4	Screw-HH
8	99-6941-03	1	Pivot Rod ASM
9	3296-39	2	Nut-Lock, NI
10	98-3929	1	Spring-Torsion
11	95-7158	3	Pin-Pivot
12	3256-24	2	Washer-Flat
13	3230-1	5	Bolt-CARR
14	94-8946	3	Washer-Thrust
15	5-1096	2	Chain-Lift
16	282-4	1	Shackle
17	283-6	1	Pin-Clevis
18	3272-10	1	Pin-Cotter
19	256-287	2	Bushing
20	104-1413	1	Chain-Link, Straight
21	104-0028	2	Guide-Hose
22	32121-110	3	Pin-Roll, Slotted
23	3-6781	3	Washer-Thrust
24	3296-29	6	Nut-Lock, NI
25	98-1880-03	3	Knuckle-Pivot

Ref. No.	Part No.	Qty.	Description
26	99-5610	3	Pin
27	98-7993	3	Screw-HHF
28	76-2980	3	Washer-Thrust
29	3256-6	3	Washer-Flat
30	106-5952-03	1	Frame-Carrier, Front
31	106-7067-03	1	Liftarm ASM #4
31:1	104-0015	2	Bushing-Flange
32	98-7974	3	Washer-Thrust
33	99-5605	6	Bumper ASM
34	99-6901-03	1	Arm ASM #1
34:2	104-0015	2	Bushing-Flange
35	283-71	3	Pin-Lynch
38	323-6	1	Screw-HH
39	32128-21	1	Nut-HF
40	3256-57	2	Washer-Flat
41	32144-26	2	Screw-Flow
42	98-3936	2	Lanyard
43	3296-47	5	Nut-Lock, NI

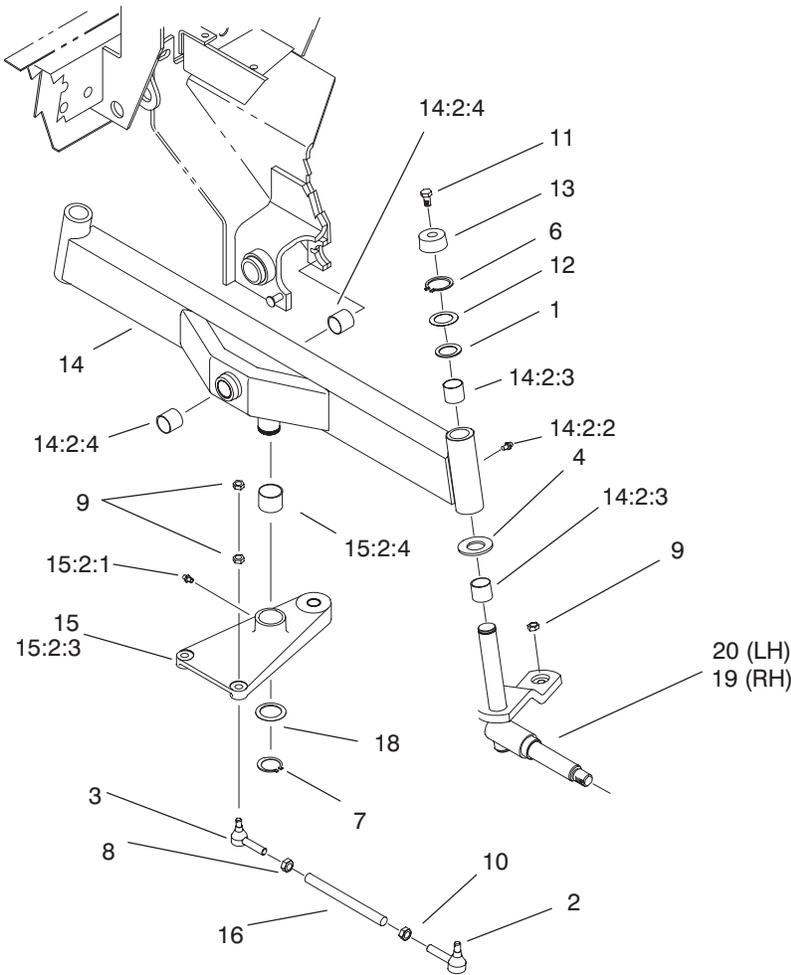












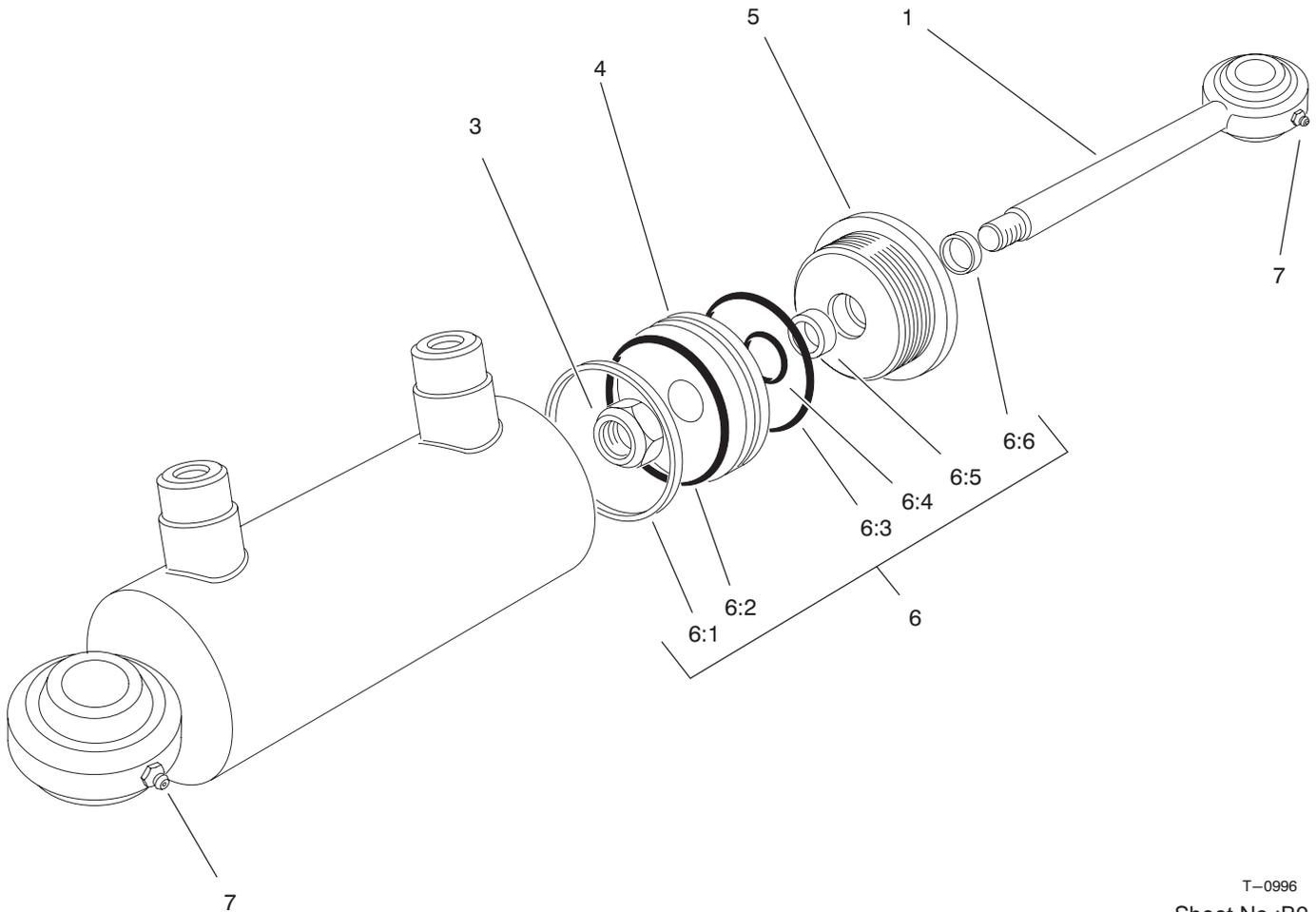
Sheet No.:B8

## 2 Wheel Drive Rear and Spindle Axle Assembly (only on: 03550)

Ref. No.	Part No.	Qty.	Description
1	10-8110	2	Washer-Thrust
2	21-0141	2	RH Ball Joint ASM
3	21-0151	2	LH Ball Joint ASM
4	256-121	2	Washer-Thrust
6	32151-36	2	Ring-Retaining
7	32151-77	1	Ring-Retaining, Ext
8	3220-12	2	Nut-HJ, LH Thread
9	3220-3	8	Nut-Jam
10	3220-5	2	Nut-Jam
11	3234-13	2	Screw-HHF
12	5-1226	2	Washer
13	66-2990	2	Cap-Spindle
14	99-6935-03	1	Axle-Rear
☆14:2		1	Axle-Rear
14:2:2	302-5	2	Fitting-Grease
14:2:3	67-1750	4	Bushing
14:2:4	99-6964	2	Bushing-Axle
15	75-4410-03	1	Pivot Plate ASM
☆15:2		1	Pivot Plate ASM
15:2:1	302-5	1	Fitting-Grease
15:2:3	75-2910	1	Plate-Pivot
15:2:4	76-2970	2	Bushing-Straight
16	75-3130-03	2	Rod-Tie
18	76-2980	1	Washer-Thrust

Ref. No.	Part No.	Qty.	Description
19	93-7000-03	1	Spindle-RH
20	93-7001-03	1	Spindle-LH

☆ Not serviced separately  
\* Not illustrated



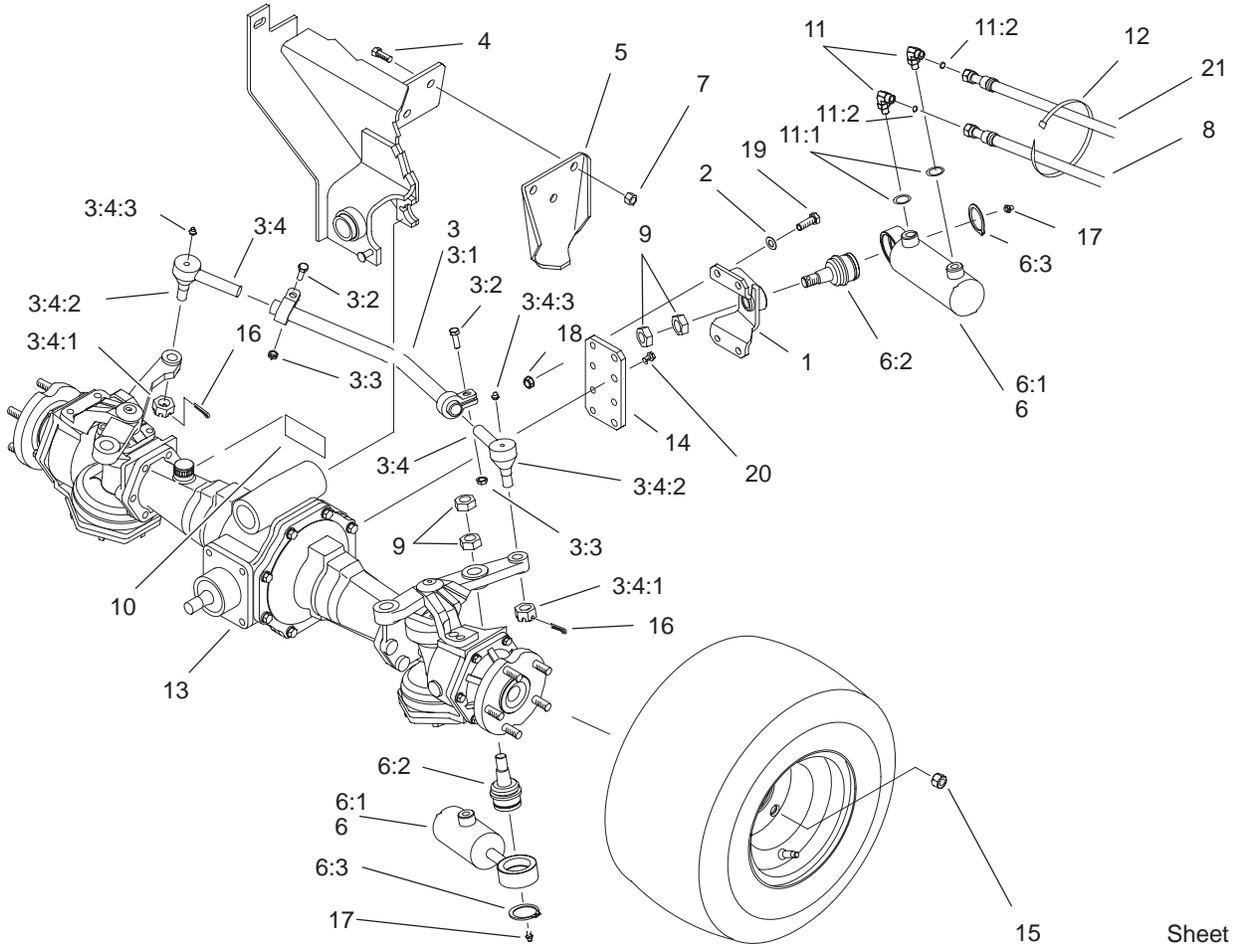
T-0996  
Sheet No.:B9

## Hydraulic Cylinder Assembly No. 75-1200 (only on: 03550)

Ref. No.	Part No.	Qty.	Description
☆1		1	Rod
☆3		1	Nut
☆4		1	Piston
☆5		1	Head
6	75-1250	1	Seal Kit
☆6:1		1	Ring-Servon
☆6:2		1	O-Ring
☆6:3		1	O-Ring
☆6:4		1	O-Ring
☆6:5		1	U-Cup
☆6:6		1	Wiper
7	302-5	2	Fitting-Grease

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately



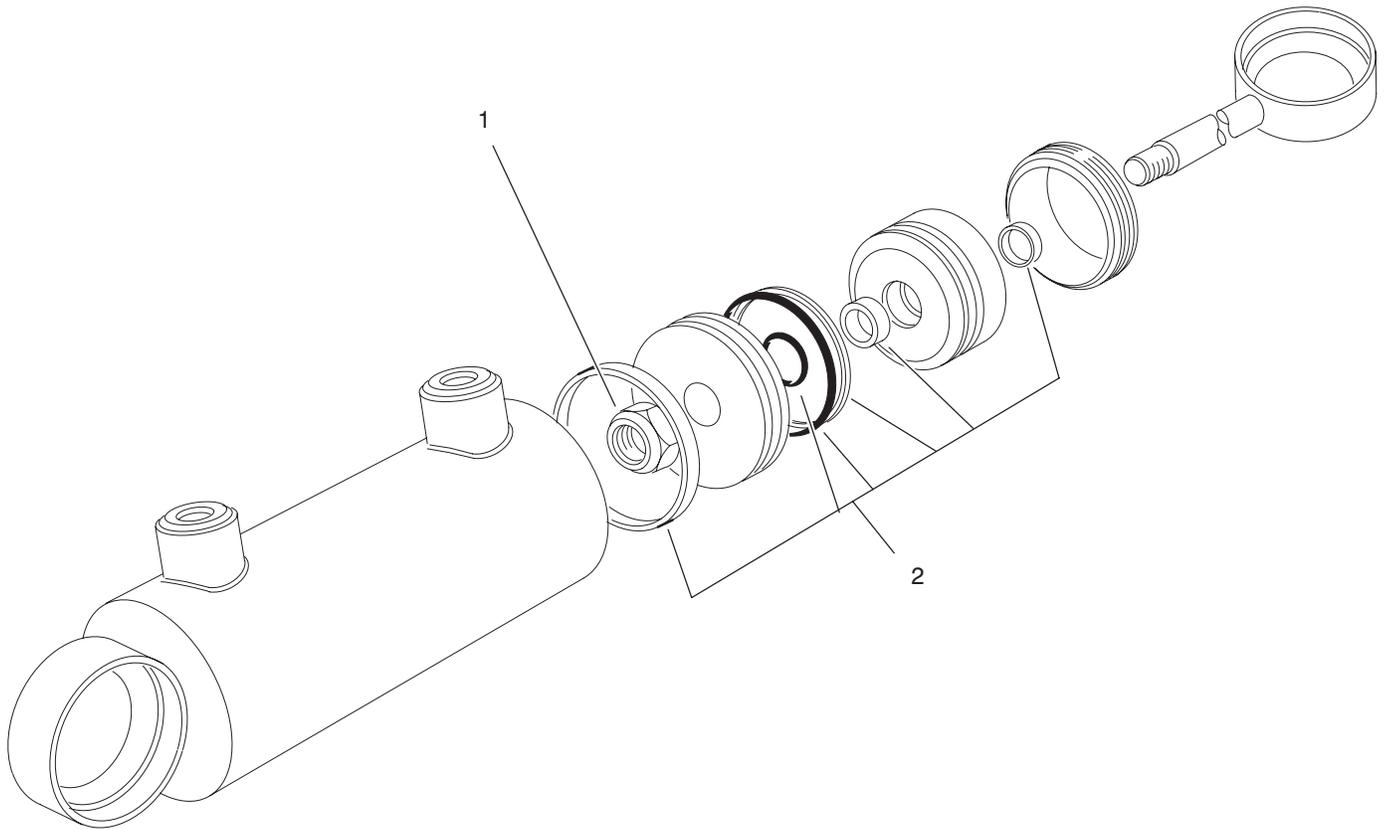
Sheet No.:32

### 4 Wheel Drive Rear Axle Assembly (only on: 03551)

Ref. No.	Part No.	Qty.	Description
1	98-3948-03	1	Mount-Cylinder
2	48-9220	4	Washer
3	98-3932	1	Tie Rod ASM
3:1	99-8996	1	Tube And Clamp ASM
3:2	323-9	2	Screw-HH
3:3	3296-39	2	Nut-Lock, NI
3:4	71-4740	2	End-Rod, Tie
3:4:1	105-7941	1	Nut-Hex, Slotted
3:4:2	105-7835	1	Seal
3:4:3	302-5	1	Fitting-Grease
4	325-5	6	Screw-HH
5	99-6966-03	2	Stop-Axle
☆6		1	Steering Cylinder ASM
6:1	98-8163	1	Cylinder-Steering
6:2	92-5838	2	Joint-Ball
6:3	32151-104	2	Ring-Retaining, External
7	3296-23	6	Nut-Lock, NI
8	104-1494	1	HYD Hose ASM
9	3220-6	4	Nut-Jam
10	93-6697	1	Decal-Lube
11	340-132	2	Fitting-HYD, 90°
11:1	237-78	1	O-Ring
11:2	237-21	1	O-Ring
12	3290-378	1	Tie-Cable
13	98-3925	1	Drive Axle ASM

Ref. No.	Part No.	Qty.	Description
14	98-8198-03	1	Plate-Cylinder Bracket
15	93-5268	10	Nut-Lug
16	3272-11	2	Pin-Cotter
17	302-5	2	Fitting-Grease
18	3296-39	4	Nut-Lock, NI
19	323-8	4	Screw-HH
20	95-8812	4	Screw-HH
21	105-9295	1	Hose ASM

☆ Not serviced separately

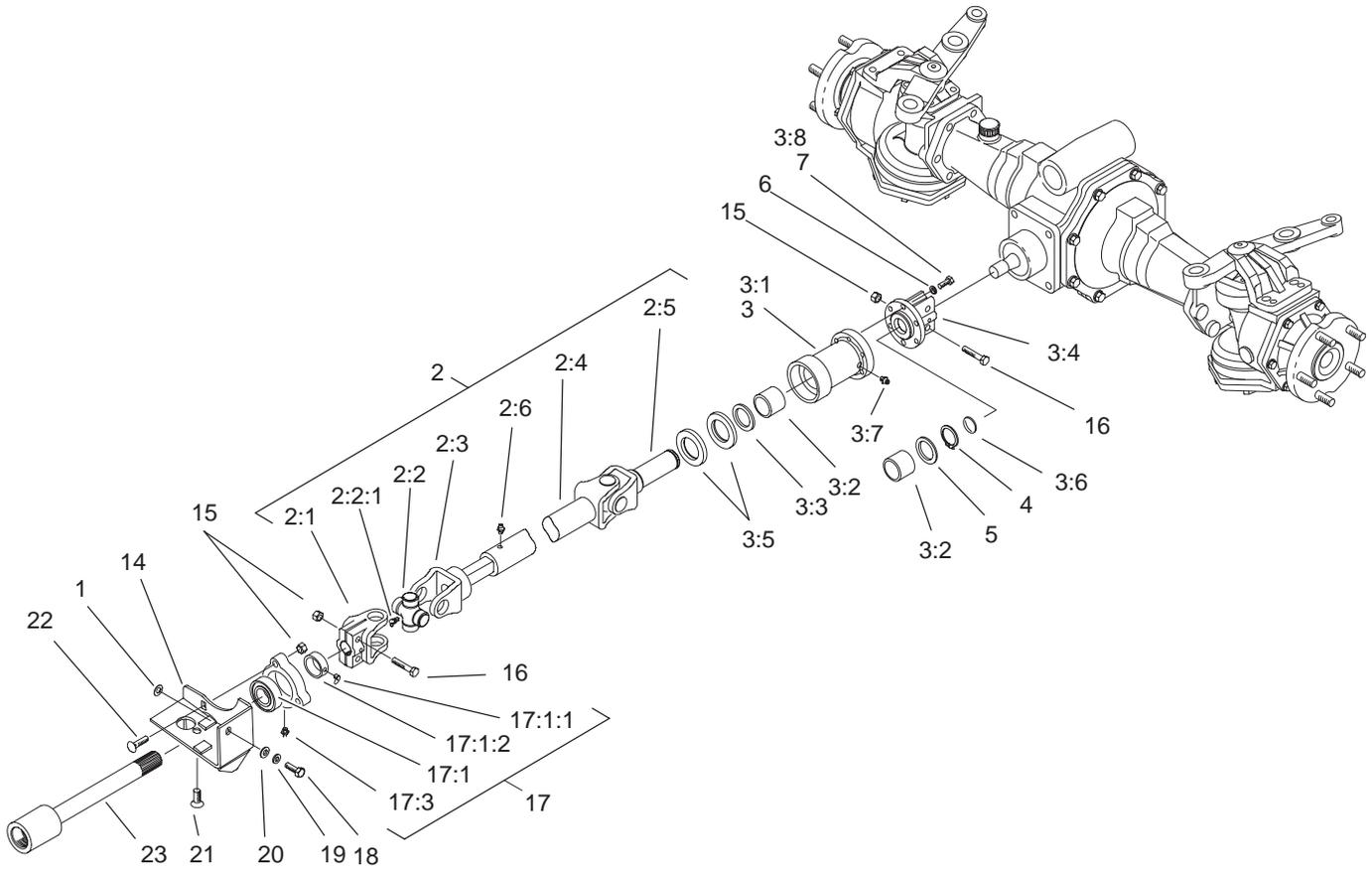


T-3513  
Sheet No.:C1

## Hydraulic Cylinder Assembly No. 98-8163 (only on: 03551)

Ref. No.	Part No.	Qty.	Description
1	32152-10	1	Locknut
2	100-8022	1	Seal Repair Kit

Ref. No.	Part No.	Qty.	Description



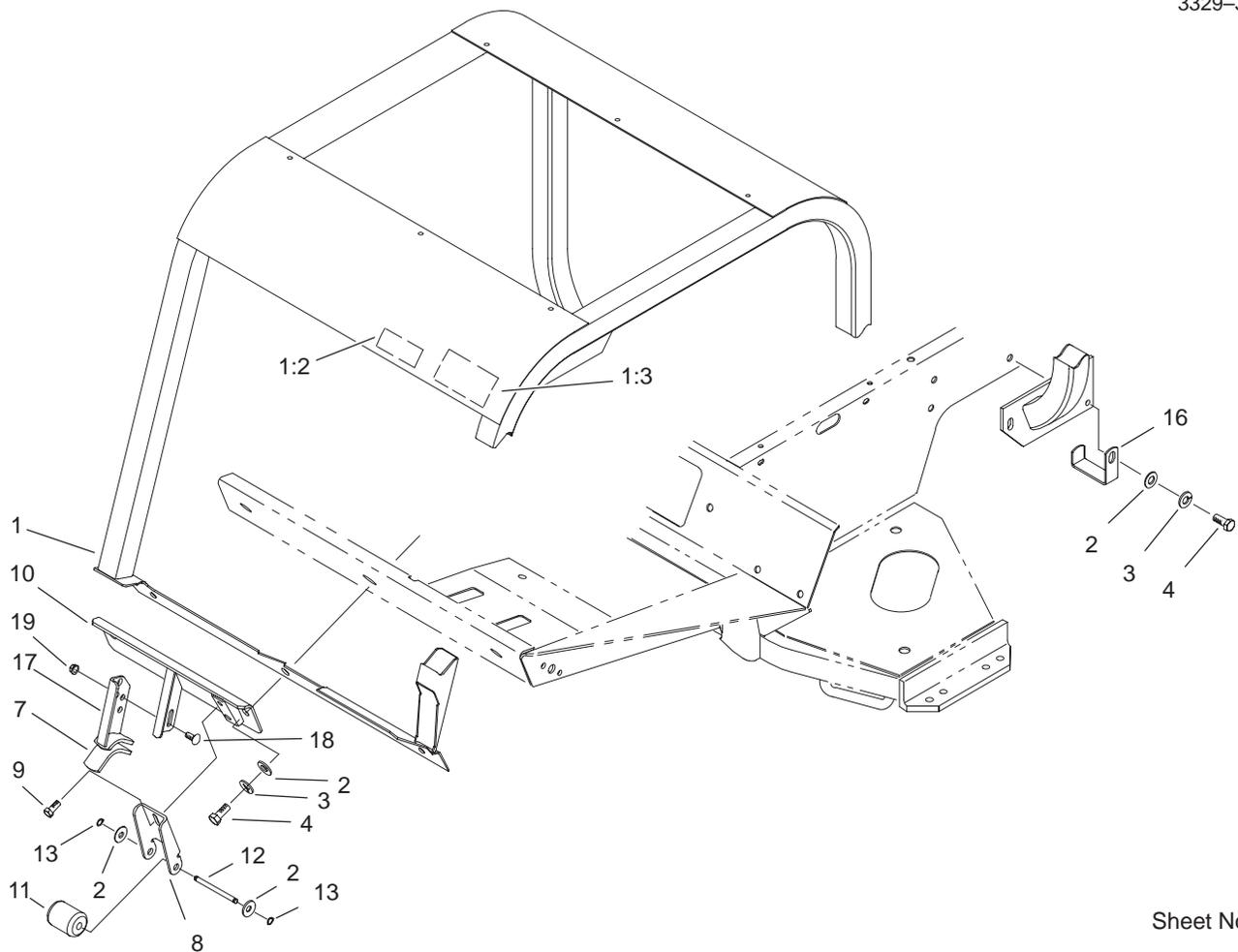
Sheet No.:33

### 4 Wheel Drive Shaft Assembly (only on: 03551)

Ref. No.	Part No.	Qty.	Description
1	83-7470	2	Shim
2	99-6976	1	Driveshaft
2:1	54-9090	1	Yoke-End
2:2	54-9180	2	U-Joint Kit
2:2:1	62-3820	1	Fitting-Grease
2:3	104-1693	1	Yoke And Shaft
2:4	83-5260	1	Tube-Yoke, Slip
2:5	72-3440	1	Shaft-Yoke
2:6	302-56	1	Fitting-Grease
☆3		1	Clutch Housing ASM
3:1	71-4570-03	1	Housing-Clutch, Roller
3:2	71-4580	2	Bearing
3:3	71-4590	1	Washer-Thrust
3:4	76-4690-03	1	Coupling-Axle
3:5	253-155	2	Seal-Oil
3:6	284-3	1	Plug
3:7	302-5	1	Fitting-Grease
3:8	3274-8	1	Screw-HSH
4	32151-87	1	Ring-Retaining
5	71-4590	2	Washer-Thrust
6	3253-3	6	Washer-Lock
7	3274-8	6	Screw-HSH
14	83-4970-03	1	Bracket-Bearing
15	3296-29	7	Nut-Lock, NI
16	322-8	4	Screw-HH
17	76-2460	1	Bearing ASM

Ref. No.	Part No.	Qty.	Description
17:1	94-3405	1	Bearing-Ball
17:1:1	3245-35	1	Screw-HS
17:1:2	251-77	1	Lockcollar-Bearing
17:3	302-5	1	Fitting-Grease
18	48-9460	1	Screw-HH
19	42-9850	1	Washer-Lock, Spring
20	48-8030	1	Washer
21	3274-34	1	Screw-HSFH
22	3230-3	3	Screw-CARR
23	83-4900-03	1	Shaft-Traction

☆ Not serviced separately

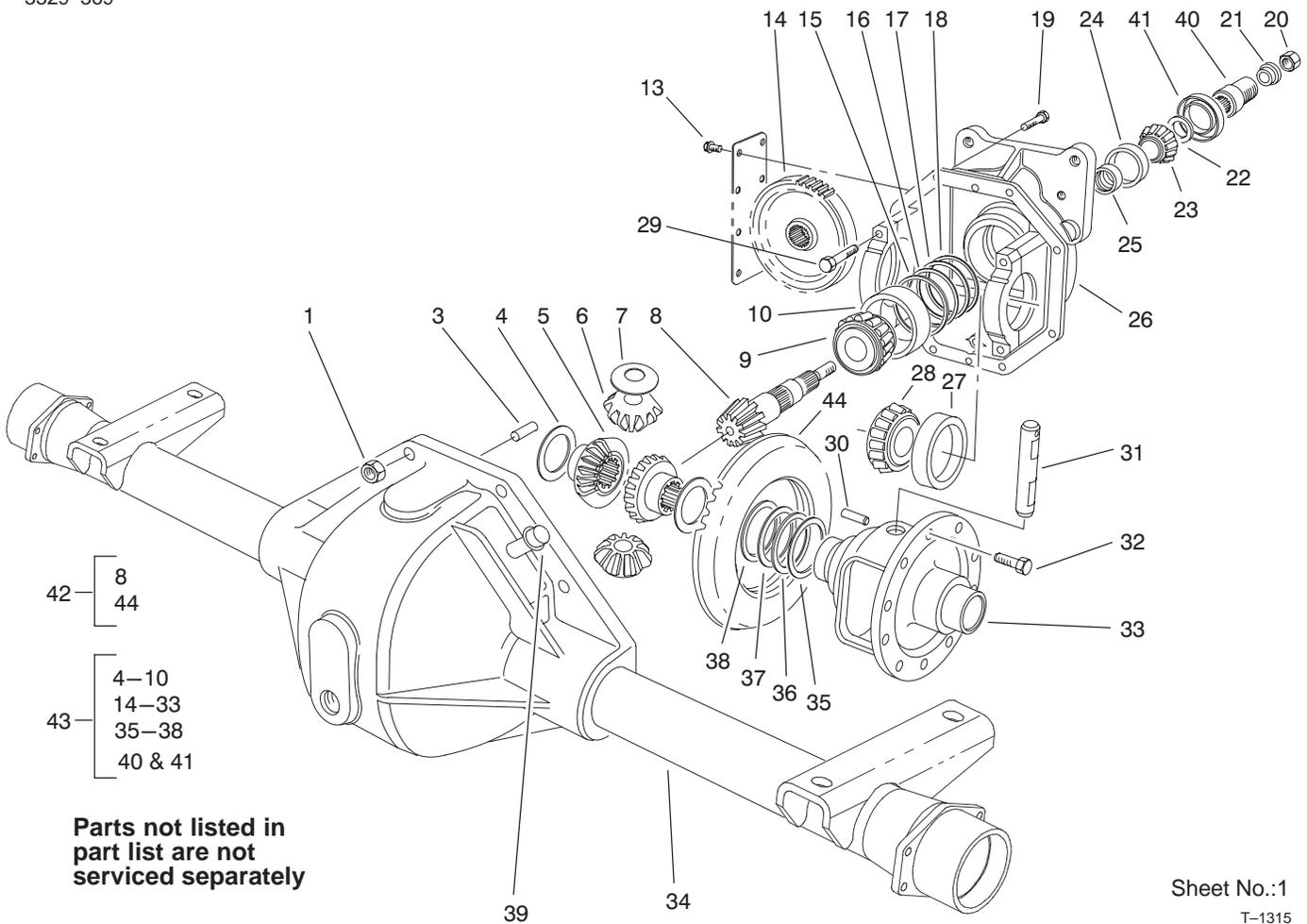


Sheet No.:35

## Roll-Over-Protection-System and Stabilizer Assembly

Ref. No.	Part No.	Qty.	Description
1	104-1248	1	Rops ASM (only on: 03551)
1:2	85-9980	1	Decal (only on: 03551)
1:3	93-8050	1	Decal-Roof, Rops (only on: 03551)
2	3256-26	6	Washer-Flat (only on: 03550)
2	3256-26	11	Washer-Flat (only on: 03551)
3	3253-7	9	Washer-Lock (only on: 03551)
3	3253-7	4	Washer-Lock (only on: 03550)
4	325-5	4	Screw-HH (only on: 03550)
4	325-5	9	Screw-HH (only on: 03551)
7	104-1411	1	Guard-Stabilizer
8	99-6938-03	1	Bracket-Tipper
9	3234-1	2	Screw-HHF
10	98-3900-03	1	Stabilizer ASM
11	75-5390	1	Roller
12	75-5400	1	Pin-Roller
13	32151-61	2	Ring-Retaining
16	98-3928	2	Clamp-Hose

Ref. No.	Part No.	Qty.	Description
17	104-1471-03	1	Saddle ASM
18	3231-2	2	Screw-CARR
19	3296-39	2	Nut-Lock, NI

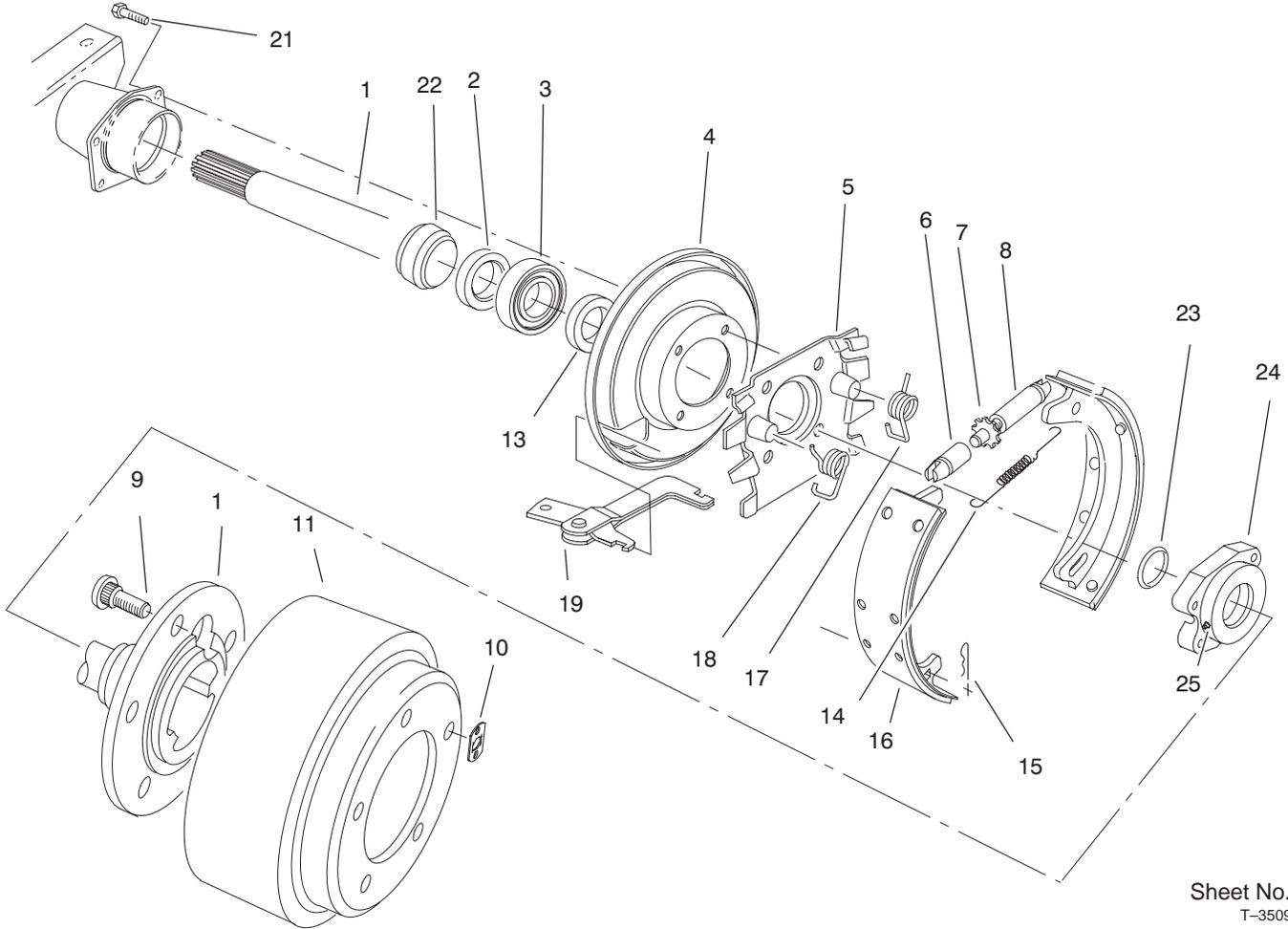


## Drive Axle Assembly No. 106-9212-03

Ref. No.	Part No.	Qty.	Description
1	32149-5	8	Nut
3	21-8270	2	Pin-Dowel
4	21-7720	2	Washer-Thrust
5	24-8790	2	Gear-Differential
6	21-7690	2	Pinion-Differential
7	21-7730	2	Washer-Thrust, Pinion
9	43-6760	1	Bearing-Roller, Cone Taper
10	43-6750	1	Bearing-Taper, Cup
13	32144-112	8	Screw-HWHTF
14	86-7230	1	Gear-Input, Transmission
15	43-6710	1	Shim
16	43-6711	1	Shim
17	43-6712	1	Shim
18	43-6713	1	Shim
19	3210-8	8	Screw-HH
20	71-4350	1	Nut
21	83-5130	1	Spacer-Pinion
22	72-3570	1	Shim-Bearing, Front
22	72-3571	1	Shim-Bearing, Front
22	72-3572	1	Shim-Bearing, Front
22	72-3573	1	Shim-Bearing, Front
22	72-3574	1	Shim-Bearing, Front
22	72-3575	1	Shim-Bearing, Front
22	72-3576	1	Shim-Bearing, Front

Ref. No.	Part No.	Qty.	Description
22	72-3577	1	Shim-Bearing, Front
22	72-3578	1	Shim-Bearing, Front
22	72-3580	1	Shim-Bearing, Front
22	72-3581	1	Shim-Bearing, Front
22	72-3582	1	Shim-Bearing, Front
22	72-3583	1	Shim-Bearing, Front
22	72-3584	1	Shim-Bearing, Front
22	72-3585	1	Shim-Bearing, Front
22	72-3586	1	Shim-Bearing, Front
22	72-3587	1	Shim-Bearing, Front
22	72-3588	1	Shim-Bearing, Front
22	72-3590	1	Shim-Bearing, Front
22	72-3591	1	Shim-Bearing, Front
22	72-3592	1	Shim-Bearing, Front
22	72-3593	1	Shim-Bearing, Front
22	72-3594	1	Shim-Bearing, Front
22	72-3595	1	Shim-Bearing, Front
22	72-3596	1	Shim-Bearing, Front
22	72-3597	1	Shim-Bearing, Front
22	72-3598	1	Shim-Bearing, Front
22	72-3600	1	Shim-Bearing, Front
23	254-91	1	Cone-Bearing
24	21-8390	1	Cup-Bearing
25	21-8020	1	Spacer-Bearing
26	93-3619	1	Upper Housing ASM
27	254-66	2	Cup-Bearing, Roller





Sheet No.:2  
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## Brake Assembly

Ref. No.	Part No.	Qty.	Description
1	100-3840	1	Shaft-Axle, LH
1	100-3841	1	Shaft-Axle, RH
2	100-3842	2	Seal-Oil
3	21-8180	2	Bearing ASM
4	100-3843	2	Shield-Dust
5	100-3844	2	Spider-Torque
6	21-9390	2	Socket-Screw, Adjusting
7	21-9370	2	Screw-Adjusting
8	21-9380	2	Nut-Pivot
9	106-9205	10	Stud-Wheel
10	21-8360	2	Locknut
11	106-9209-03	2	Drum-Brake
13	100-3845	2	Seal-Grease
14	21-9440	2	Spring-Screw, Adjusting
15	21-9460	4	Retainer-Lever, Brake
16	84-8590	4	Shoe And Lining ASM
17	21-9420	2	Spring-Return, LH
18	21-9430	2	Spring-Return, RH
19	24-9180	2	Strut And Lever ASM
21	100-3846	8	Screw-Special
22	100-3847	2	Retainer-Bearing
23	100-3848	2	O-Ring
24	100-3849	2	Cap-Bearing
25	100-3850	2	Zerk-Special

Ref. No.	Part No.	Qty.	Description
*26	84-8600	1	Set-Shoes, Lined
*27	92-8775	1	Liquid Gasket Kit

\* Not illustrated







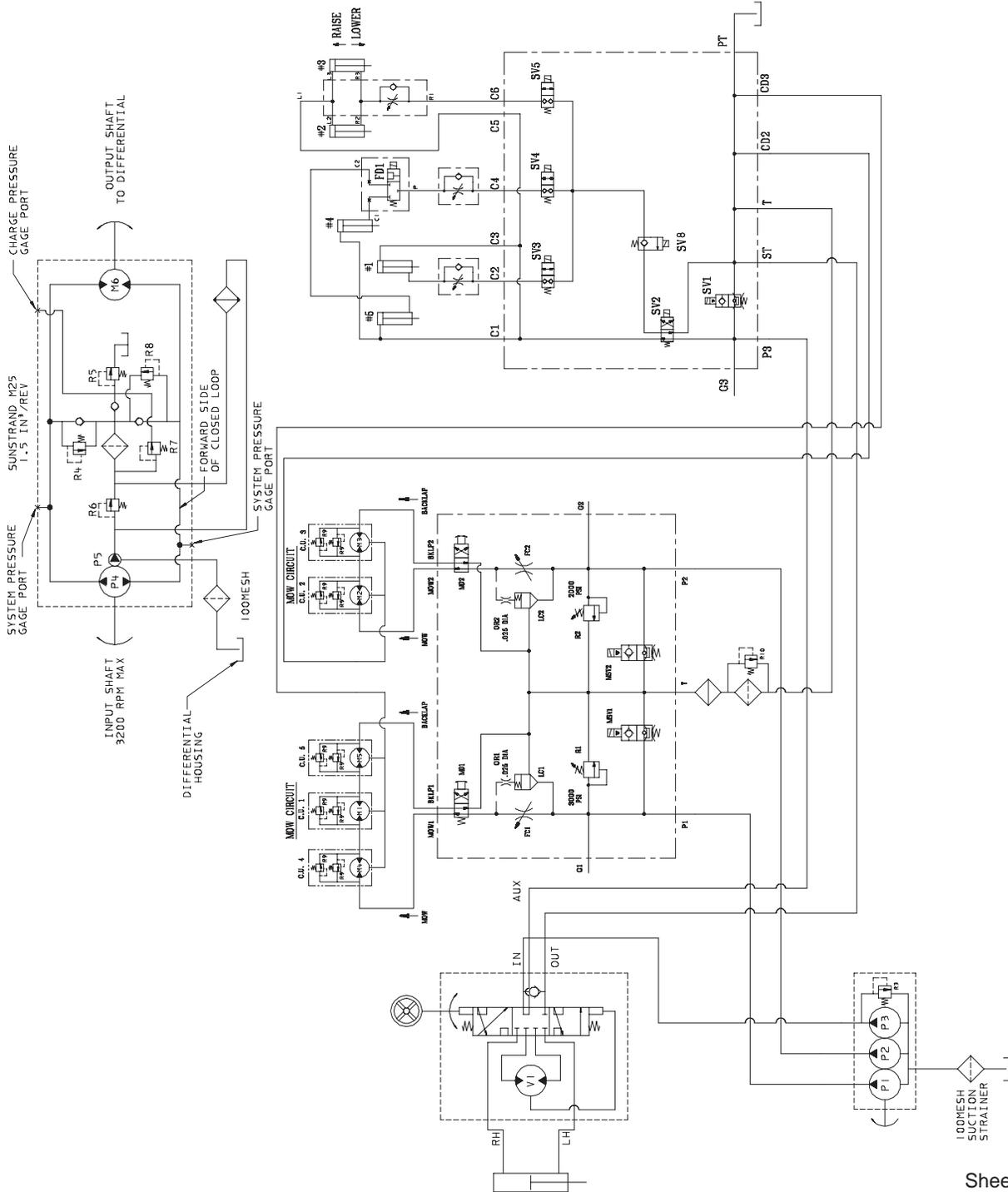








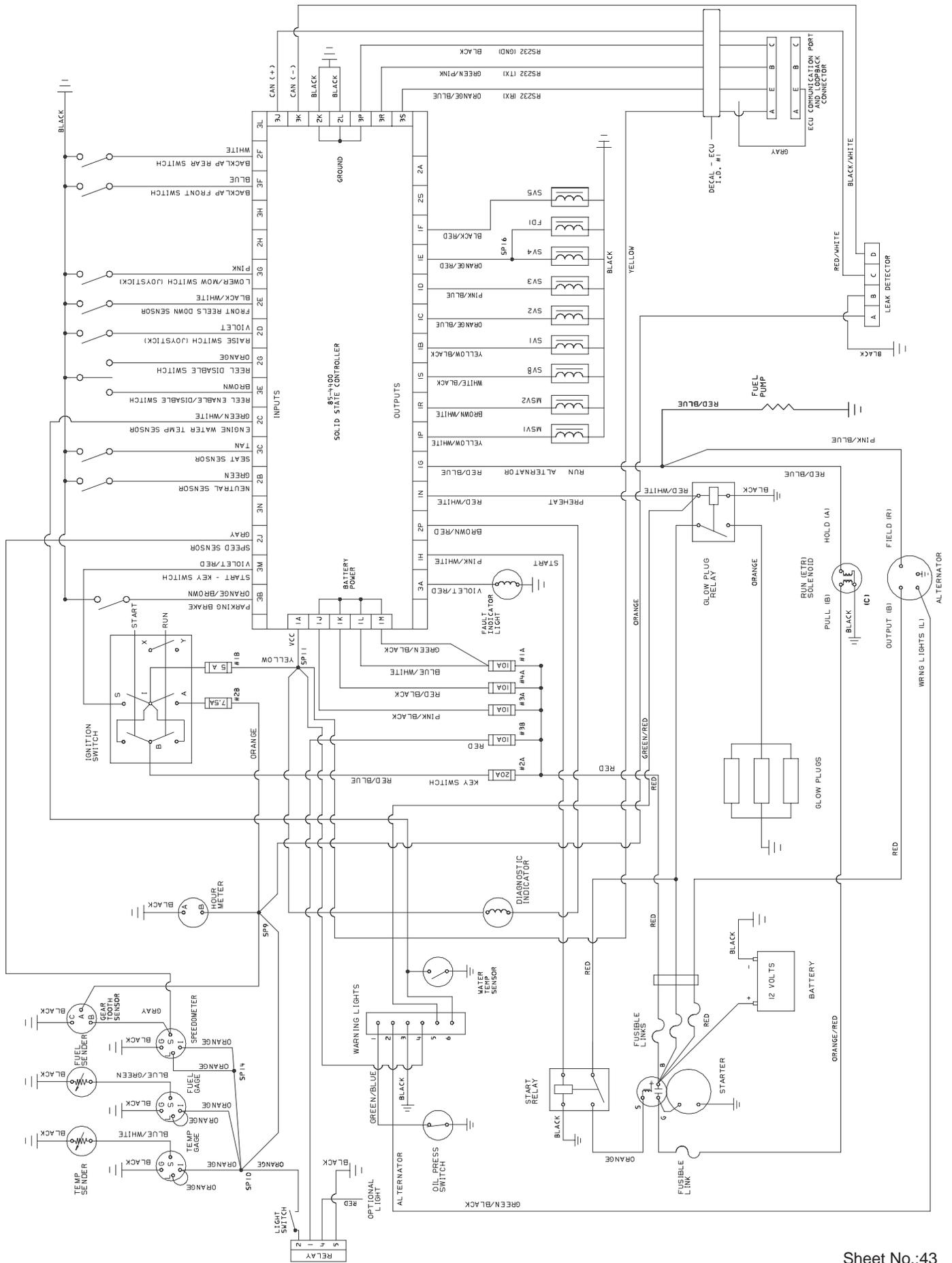
# Hydraulic Schematic



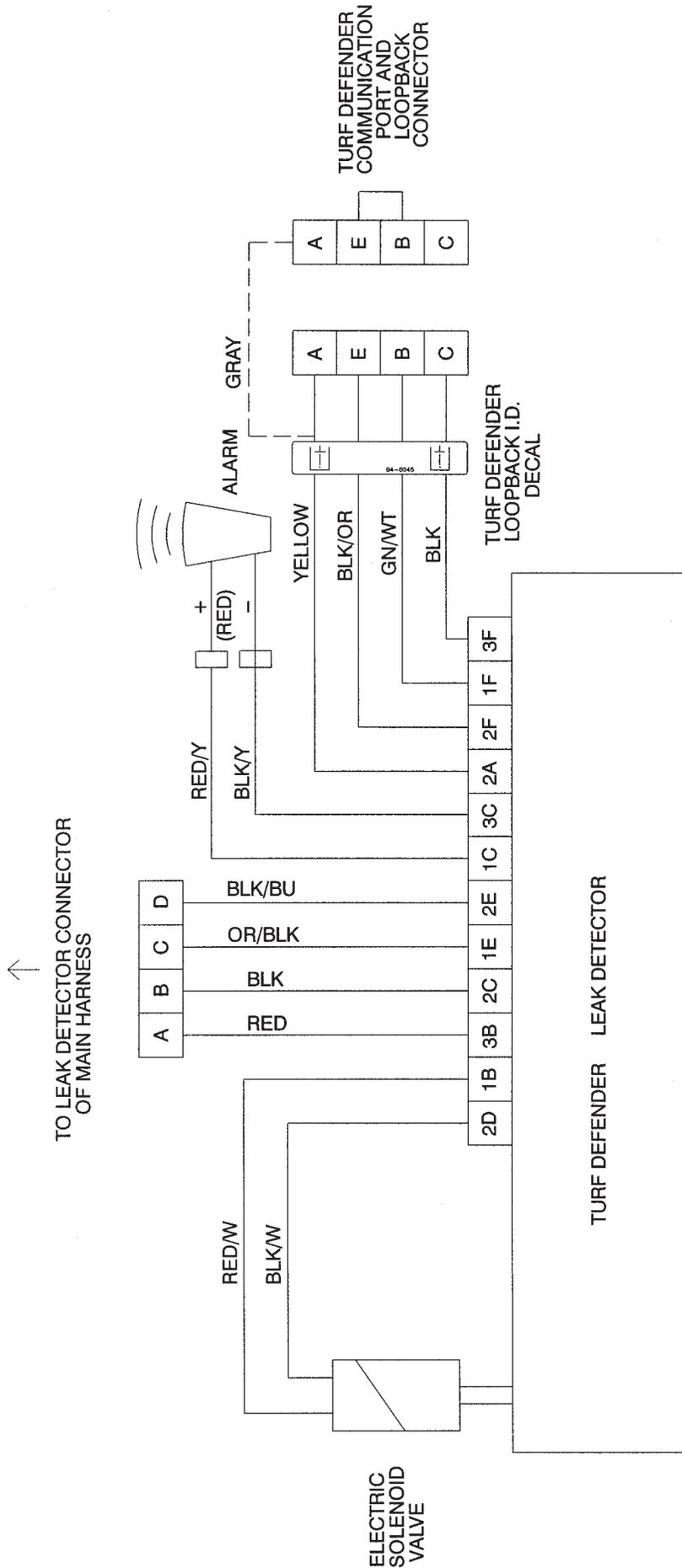
DISPLACEMENT, FLOW RATE, AND PRESSURE CHART				
COMPONENT	DISPLACEMENT in <sup>3</sup> /rev	DISPLACEMENT cm <sup>3</sup> /rev	PRESSURE lbf/in <sup>2</sup>   BARS	FLOW RATE * GPM   LPM
P1	.66	10.8		8.4   31.8
P2	.66	10.8		8.4   31.8
P3	.37	6		4.7   17.8
P4	1.5	25		19.1   72.3
P5	.58	9.5		7.4   28
M1	1.16	19		
M2	1.16	19		
M3	1.16	19		
M4	1.16	19		
M5	1.16	19		
M6	1.51	25		
V1	6.1	100		
R1			3000   207	
R2			3000   138	
R3			1450   100	
R4			3625   250	
R5			150   10	
R6			70   5	
R7			70   5	
R8			3625   250	
R9			1500   103	
R10			50   3	

\* FLOW RATE CALCULATED AT 3000 RPM AND 98% EFFICIENCY.

# Electrical Schematic



# Electrical Schematic – Turfdefender

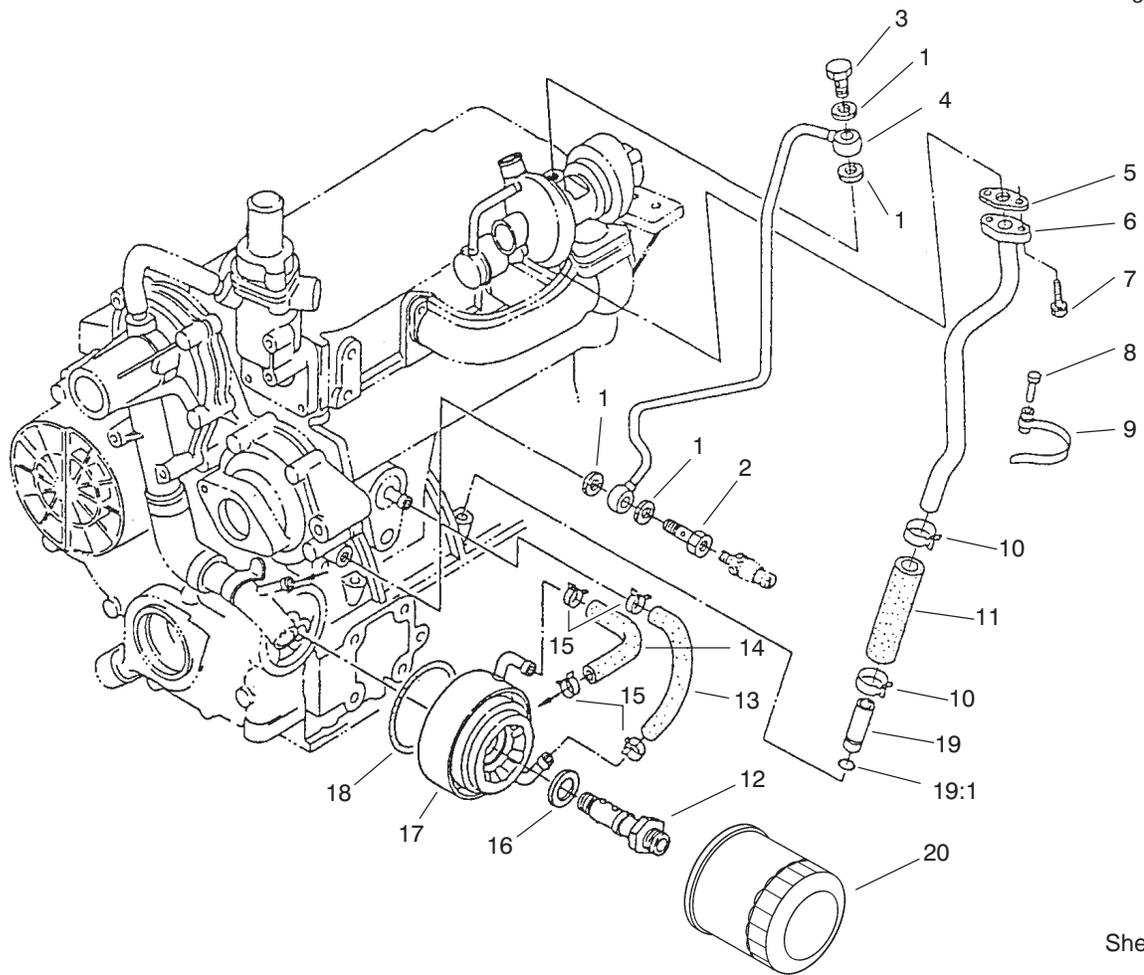










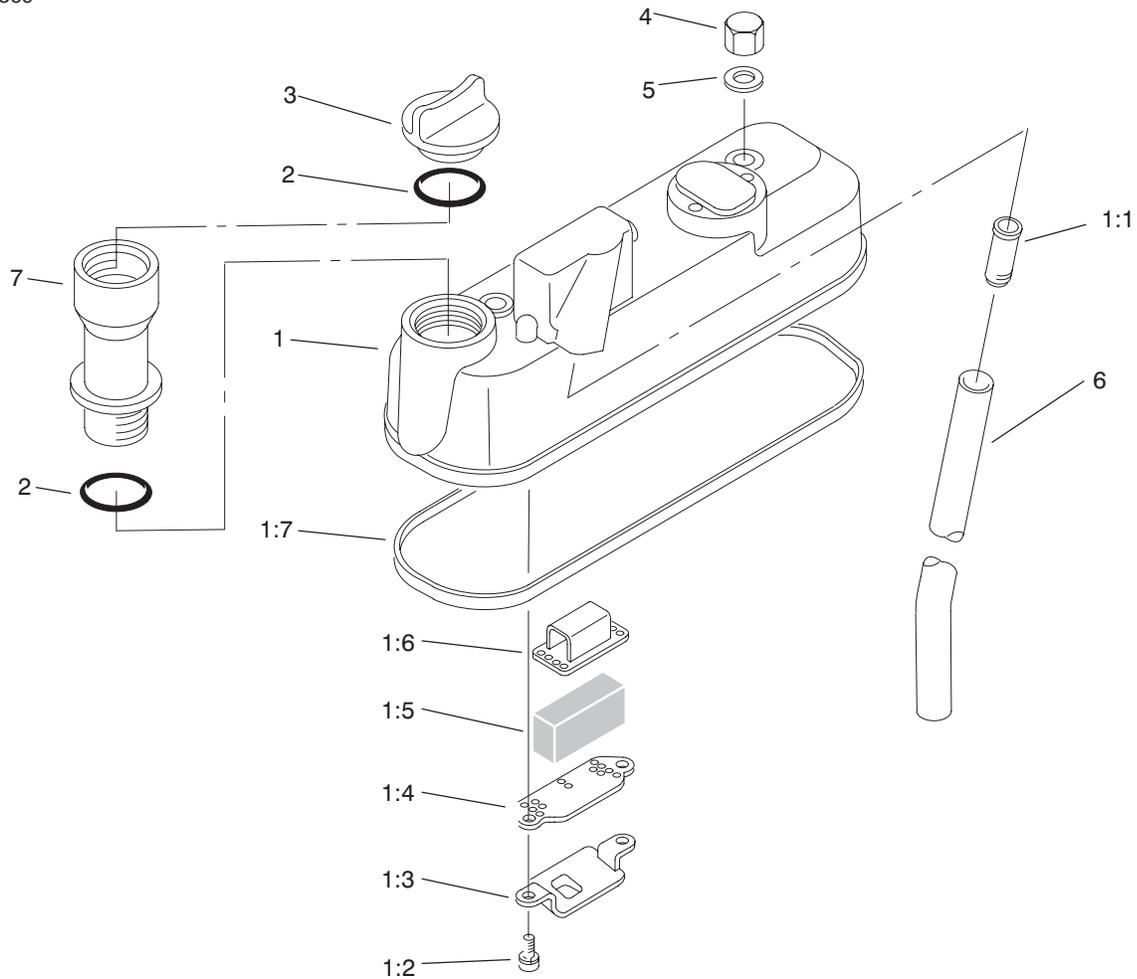


Sheet No.:67  
T-3079-1

## Filter, Oil Cooler and Pipe Assembly

Ref. No.	Part No.	Qty.	Description
1	99-8346	4	Gasket
2	98-9417	1	Bolt-Joint, Eye
3	98-9418	1	Bolt-Joint, Eye
4	98-9419	1	Oil Pipe ASM
5	98-9435	1	Gasket-Oil Return, Turbo
6	98-9461	1	Pipe Line ASM
7	98-7568	2	Bolt
8	98-9591	1	Pin-Band
9	98-9601	1	Clamp-Pipe
10	98-9714	2	Clamp-Hose
11	98-9721	1	Pipe-Oil
12	104-5159	1	Holder ASM
13	98-9724	1	Pipe-Cooler, Oil
14	98-9578	1	Pipe-Return, Water
15	98-9579	4	Band-Pipe
16	98-9727	1	Collar
17	104-5158	1	Oil Cooler ASM
18	98-9729	1	O-Ring
19	99-8383	1	Oil Pipe ASM
19:1	98-9722	1	O-Ring
20	99-8384	1	Filter-Oil

Ref. No.	Part No.	Qty.	Description



Sheet No.:68

## Head Cover Assembly

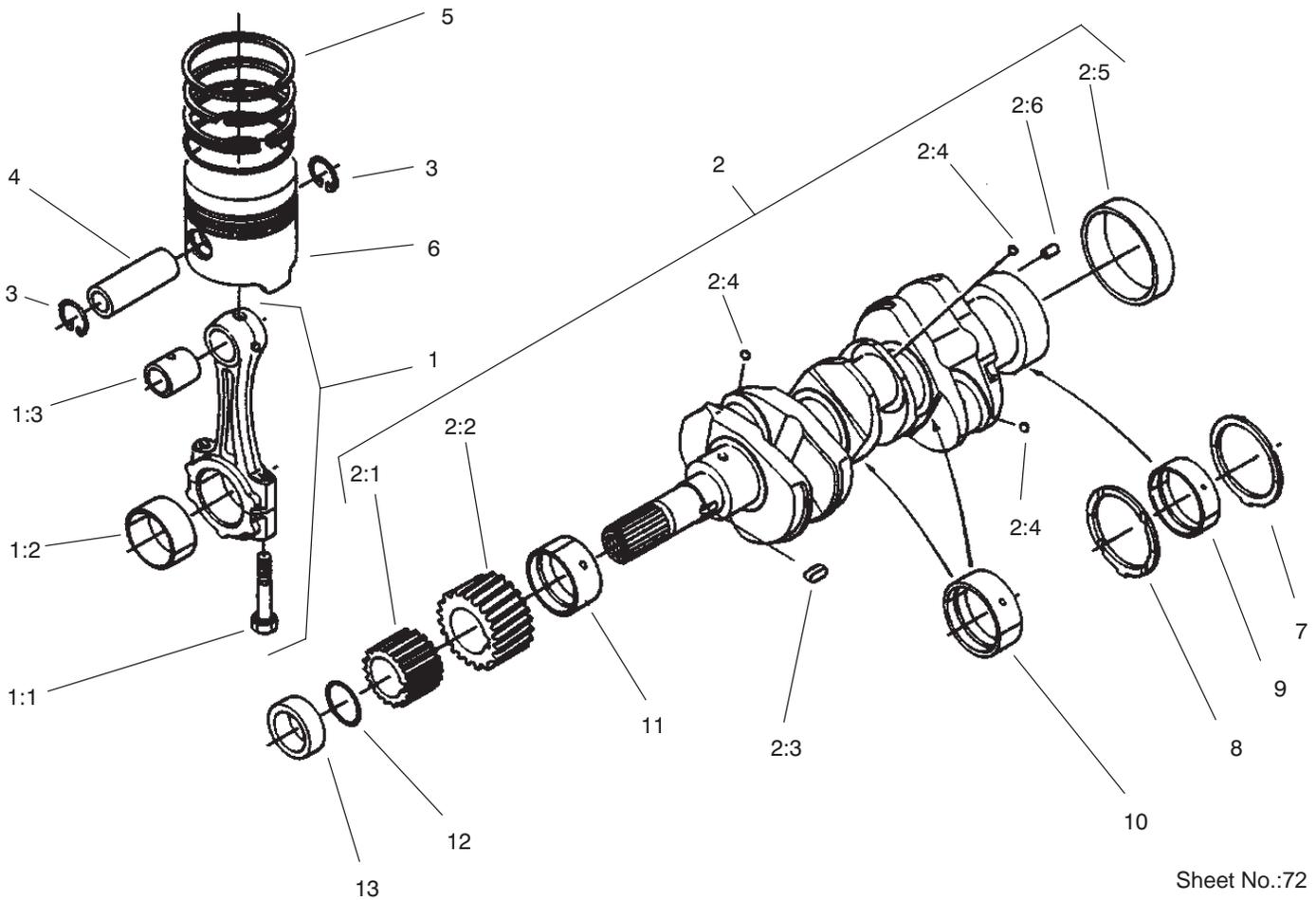
Ref. No.	Part No.	Qty.	Description
1	98-9614	1	Cylinder Head Cover ASM
1:1	98-9492	1	Joint-Pipe, Breather
1:2	98-9364	2	Screw-W/Washer
1:3	98-9490	1	Shield-Oil, Breather
1:4	98-9488	1	Plate-Element, Breather
1:5	98-9493	1	Element-Breather
1:6	98-9489	1	Plate-Element, Breather
1:7	98-9615	1	Gasket-Cover, Head
2	98-7430	1	O-Ring
3	98-9449	1	Plug-Filler, Oil
4	98-9455	3	Nut-Cap
5	98-9454	3	Gasket
6	98-9491	1	Pipe-Breather
7	99-8349	1	Extension-Oil Fill

Ref. No.	Part No.	Qty.	Description







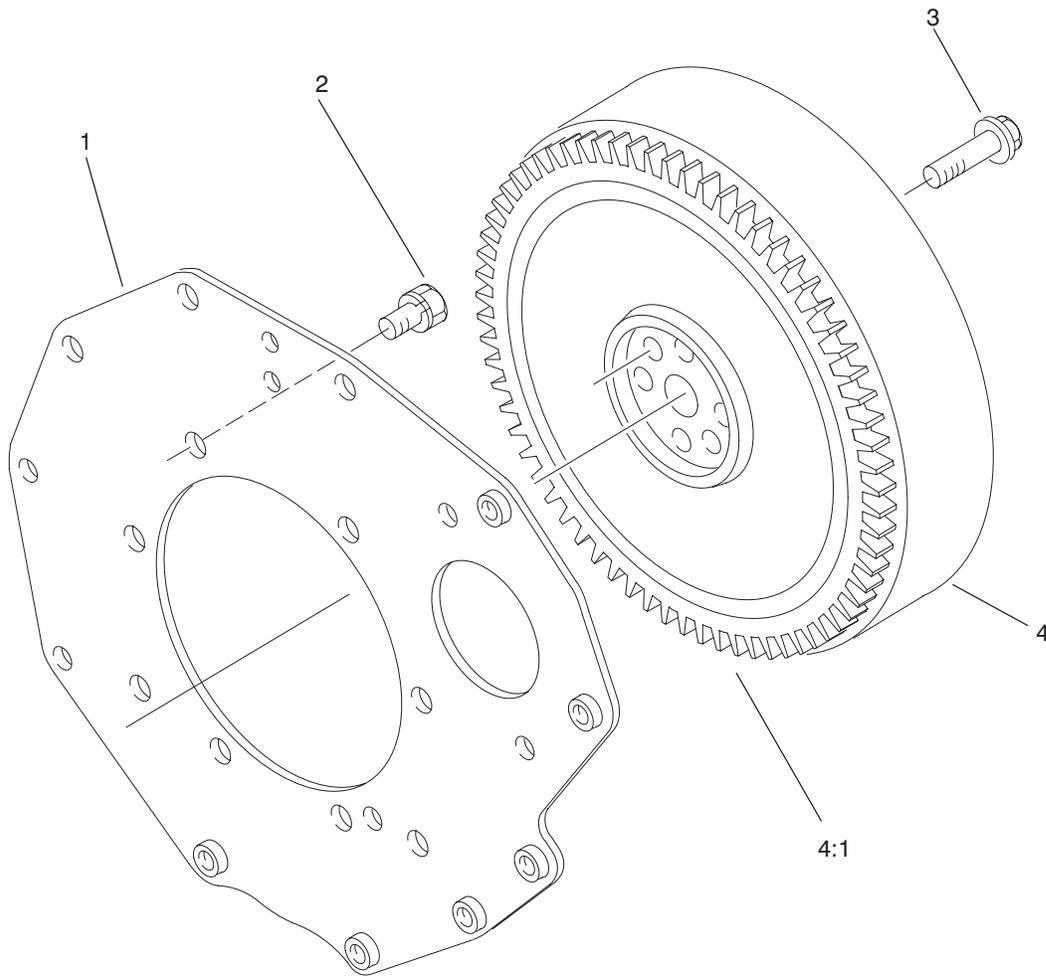


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## Piston and Crankshaft Assembly

Ref. No.	Part No.	Qty.	Description
1	98-9552	3	Connecting Rod ASM
1:1	98-9517	6	Bolt-Rod, Connecting
1:2	98-9553	3	Bearing-Rod (STD)
1:2	98-9520	3	Bearing-Rod (0.4mm)
1:2	98-9519	3	Bearing-Rod (0.2mm)
1:3	98-9515	3	Bushing-Pin, Piston
2	98-9642	1	Crankshaft ASM
2:1	98-9542	1	Gear-Drive, Oil Pump
2:2	98-9532	1	Gear-Crankshaft
2:3	98-9666	1	Key
2:4	98-7473	3	Ball
2:5	98-9522	1	Sleeve-Crankshaft
2:6	98-9375	1	Pin-Straight
3	98-9514	6	Clip-Circular, Piston Pin
4	98-9513	3	Pin-Piston
5	98-9551	3	Piston Ring ASM (STD)
5	98-9619	3	Piston Ring ASM (0.5mm)
6	98-9470	3	Piston (0.5mm)
6	98-9550	3	Piston (STD)
7	98-9413	2	Bearing-Thrust (STD)
7	98-9414	2	Bearing-Thrust (0.2mm)

Ref. No.	Part No.	Qty.	Description
7	98-9415	2	Bearing-Thrust (0.4mm)
8	98-9688	2	Bearing-Thrust (STD)
8	98-9689	2	Bearing-Thrust (0.2mm)
8	98-9690	2	Bearing-Thrust (0.4mm)
9	98-9526	1	Bearing-Main (0.2mm)
9	98-9527	1	Bearing-Main (0.4mm)
9	98-9556	1	Bearing-Main (STD)
10	98-9530	2	Bearing-Main (0.2mm)
10	98-9531	2	Bearing-Main (0.4mm)
10	98-9555	2	Bearing-Main (STD)
11	98-9528	1	Bearing-Main (0.2mm)
11	98-9529	1	Bearing-Main (0.4mm)
11	98-9554	1	Bearing-Main (STD)
12	98-9373	1	O-Ring
13	98-9521	1	Collar-Crankshaft



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### Flywheel Assembly

Ref. No.	Part No.	Qty.	Description
1	98-9486	1	Plate-End, Rear
2	98-9392	8	Bolt
3	98-9537	6	Bolt-Flywheel
4	98-9691	1	Flywheel ASM
4:1	98-9394	1	Gear-Ring

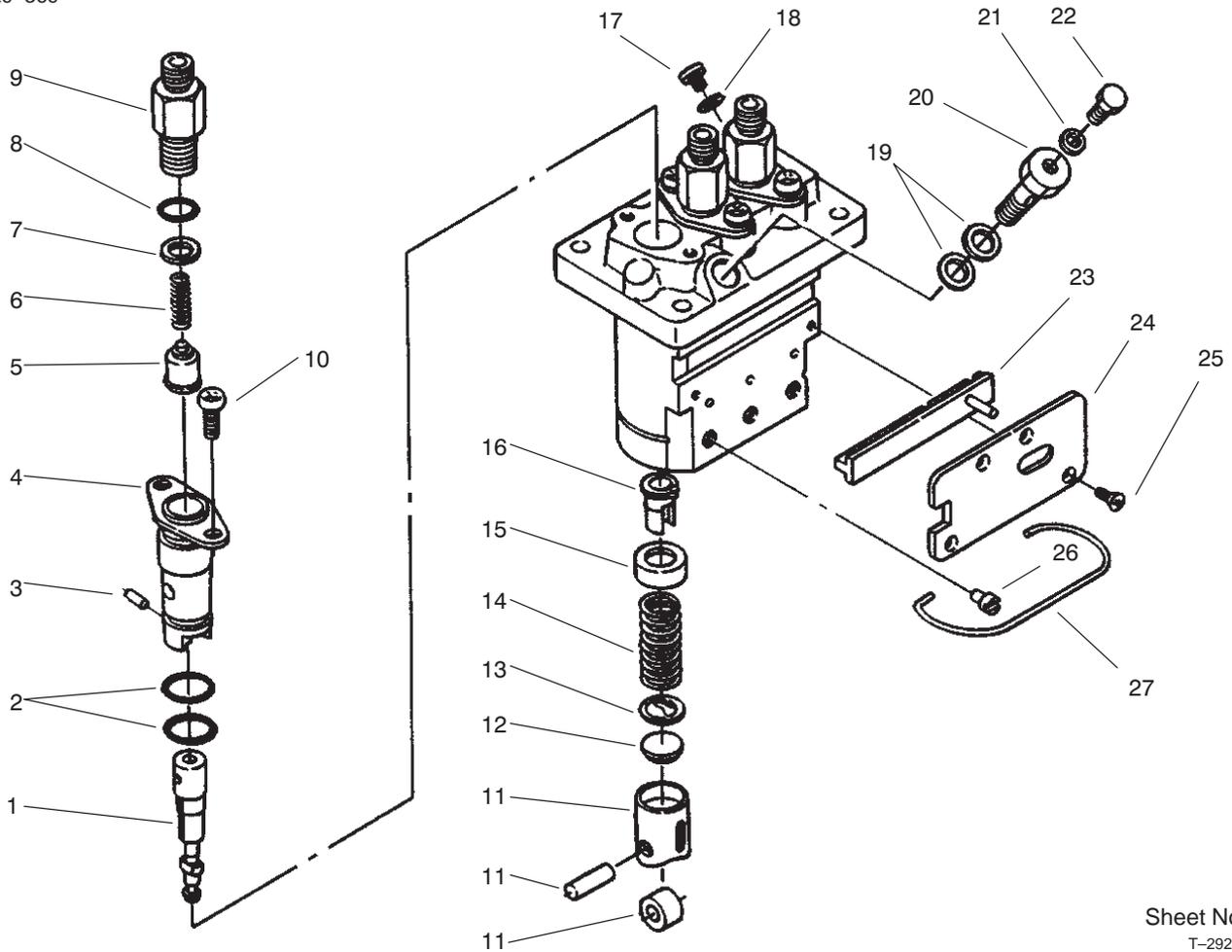
Ref. No.	Part No.	Qty.	Description











Sheet No.:A1  
T-2920

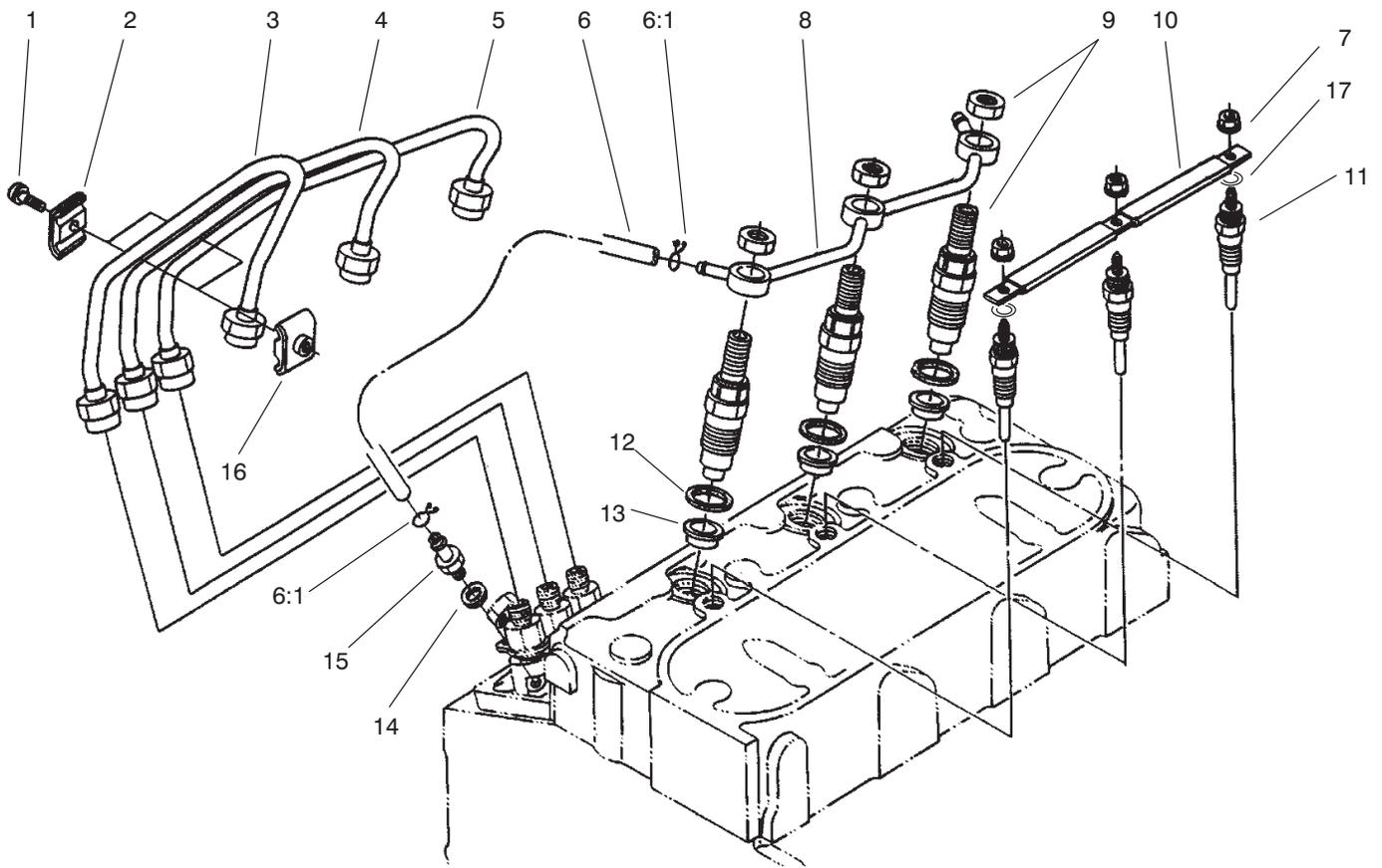
## Injection Pump Assembly No. 98-9643

Ref. No.	Part No.	Qty.	Description
1	98-9462	3	Element-Pump
2	98-9423	6	O-Ring
3	98-9443	3	Pin-Joint
4	98-9434	3	Flange-Sleeve
5	98-9421	3	Valve-Delivery
6	98-9424	3	Spring-Valve, Delivery
7	98-9425	3	Gasket-Valve, Delivery
8	98-9447	3	O-Ring
9	98-9652	3	Holder-Valve, Delivery
10	98-9452	6	Screw
11	98-9422	3	Tappet ASM
12	98-9433	3	Shim
13	98-9429	3	Seat-Spring, Lower
14	98-9428	3	Spring-Plunger
15	98-9427	3	Seat-Spring, Upper
16	98-9432	3	Sleeve-Control
17	98-9466	1	Plug
18	98-9451	1	Gasket
19	98-9445	1	Gasket
20	98-9464	1	Bolt-Joint
21	98-9446	1	Gasket
22	98-9430	1	Screw
23	98-9463	1	Control-Rack
24	98-9465	1	Plate
25	98-9442	4	Screw

Ref. No.	Part No.	Qty.	Description
26	98-9426	3	Pin-Guide, Tappet
27	98-9450	1	Pin-Clamp



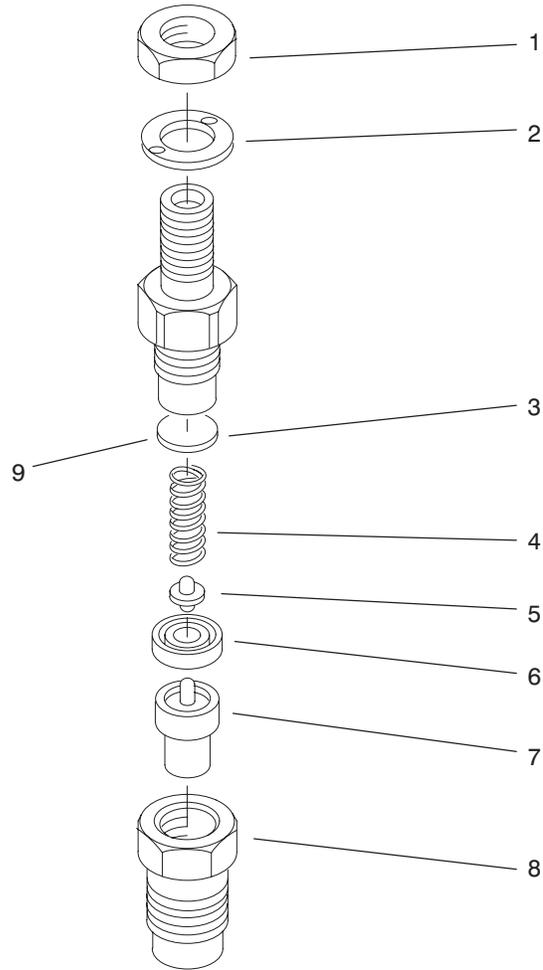




Sheet No.:80

## Nozzle Holder and Glow Plug Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	98-7684	2	Screw W/Washer				
2	98-7683	2	Clamp-Pipe				
3	98-9622	1	Pipe-Injection				
4	98-9654	1	Pipe-Injection				
5	98-9655	1	Pipe-Injection				
6	98-9624	1	Overflow Pipe ASM				
6:1	98-7671	2	Clip-Pipe				
7	99-8377	3	Nut-Flange				
8	98-9621	1	Overflow Pipe ASM				
9	98-9468	3	Nozzle Holder ASM				
10	98-9631	1	Cord-Plug, Glow				
11	98-9623	3	Plug-Glow				
12	98-7676	3	Gasket				
13	98-7677	3	Seal				
14	98-7654	1	Gasket				
15	98-9431	1	Screw-Bleeder				
16	98-7682	2	Clamp-Pipe				
17	99-8378	3	Washer-Plain				



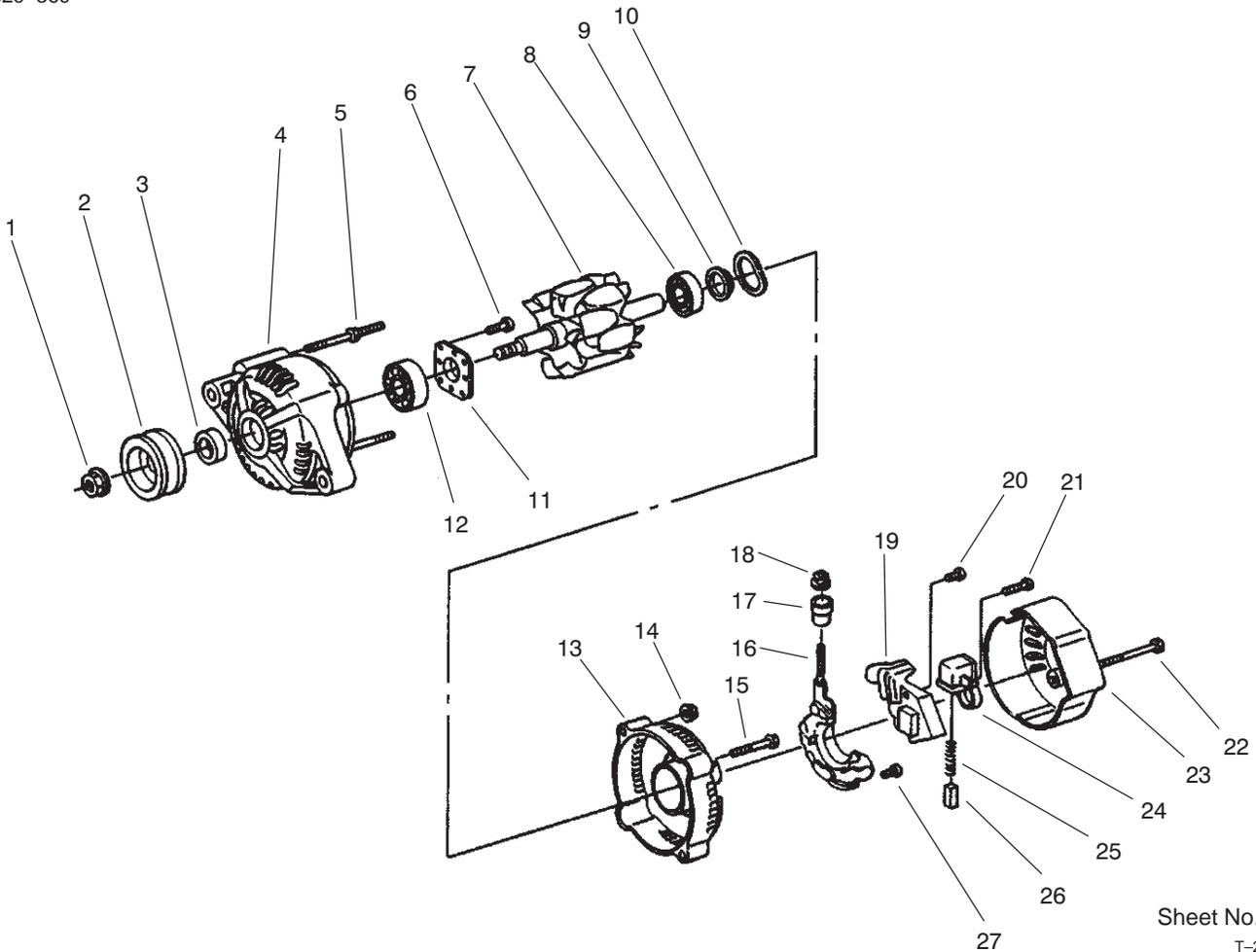
Sheet No.:A2

## Nozzle Holder Assembly 98-9468

Ref. No.	Part No.	Qty.	Description
1	99-8301	3	Nut
2	99-8307	3	Washer-Plain
3	99-8302	3	Washer-Adjusting
4	99-8303	3	Spring-Nozzle
5	99-8305	3	Rod-Push
6	99-8304	3	Spacer-Distance
7	99-8308	3	Piece-Nozzle
8	99-8306	3	Nut-Nozzle
9	99-8317	3	Washer-Adjust (0.56mm)
9	99-8318	3	Washer-Adjust (0.58mm)
9	99-8319	3	Washer-Adjust (0.80mm)
9	99-8311	3	Washer-Adjust (0.20mm)
9	99-8310	3	Washer-Adjust (0.10mm)
9	99-8316	3	Washer-Adjust (0.54mm)
9	99-8309	3	Adjusting Washer ASM
9	99-8315	3	Washer-Adjust (0.52mm)
9	99-8314	3	Washer-Adjust (0.50mm)

Ref. No.	Part No.	Qty.	Description
9	99-8313	3	Washer-Adjust (0.40mm)
9	99-8312	3	Washer-Adjust (0.30mm)





Sheet No.:A3  
T-2927

## Alternator Assembly No. 98-9474

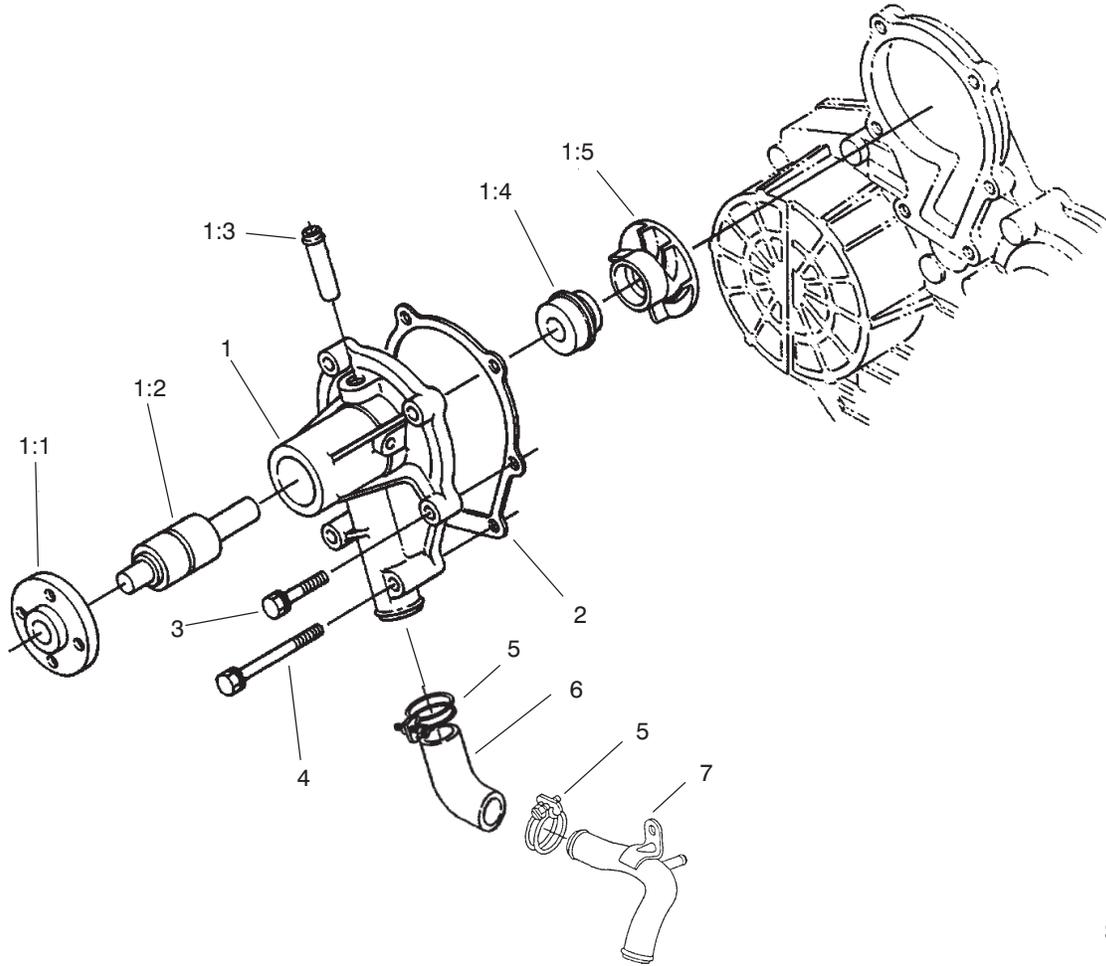
Ref. No.	Part No.	Qty.	Description
1	98-7708	1	Nut
2	98-9453	1	Pulley-Dynamo
3	98-7709	1	Collar
4	98-7714	1	Frame-End, Drive
5	98-7717	2	Bolt-Through
6	98-7716	4	Screw-Head, Round
7	98-7710	1	Rotor
8	98-7712	1	Bearing-Ball
9	98-7711	1	Cover-Bearing
10	98-7713	1	Washer-Thrust
11	98-7715	1	Plate-Retainer
12	98-7718	1	Bearing-Ball
13	98-7719	1	Frame-End
14	98-7730	2	Nut
15	98-7731	2	Bolt
16	98-7721	1	Rectifier ASM
17	98-7722	1	Bushing-Insulation
18	98-7732	1	Nut
19	98-7733	1	Regulator ASM
20	98-7726	2	Screw-Head, Round
21	98-7728	1	Screw-Head, Round
22	98-7729	3	Bolt
23	98-7720	1	Cover-End
24	98-7723	1	Holder-Brush
25	98-7725	2	Spring-Brush

Ref. No.	Part No.	Qty.	Description
26	98-7724	2	Brush
27	98-7727	6	Screw-Head, Round









Sheet No.:84  
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## Water Pump Assembly

Ref. No.	Part No.	Qty.	Description
1	98-9575	1	Water Pump ASM
1:1	98-9582	1	Flange-Pump, Water
1:2	98-9583	1	Bearing
1:3	98-9577	1	Pipe-Return, Water
1:4	98-9576	1	Mechanical Seal ASM
1:5	98-9581	1	Impeller-Pump, Water
2	98-9632	1	Gasket-Water Pump
3	98-9353	1	Bolt
4	98-9357	4	Bolt
5	98-9717	2	Clamp
6	98-9574	1	Pipe-Water
7	99-8379	1	Pipe-Water

Ref. No.	Part No.	Qty.	Description

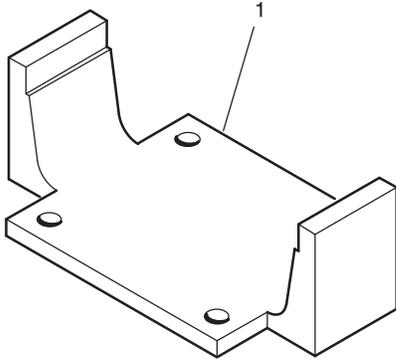






# Special Tools

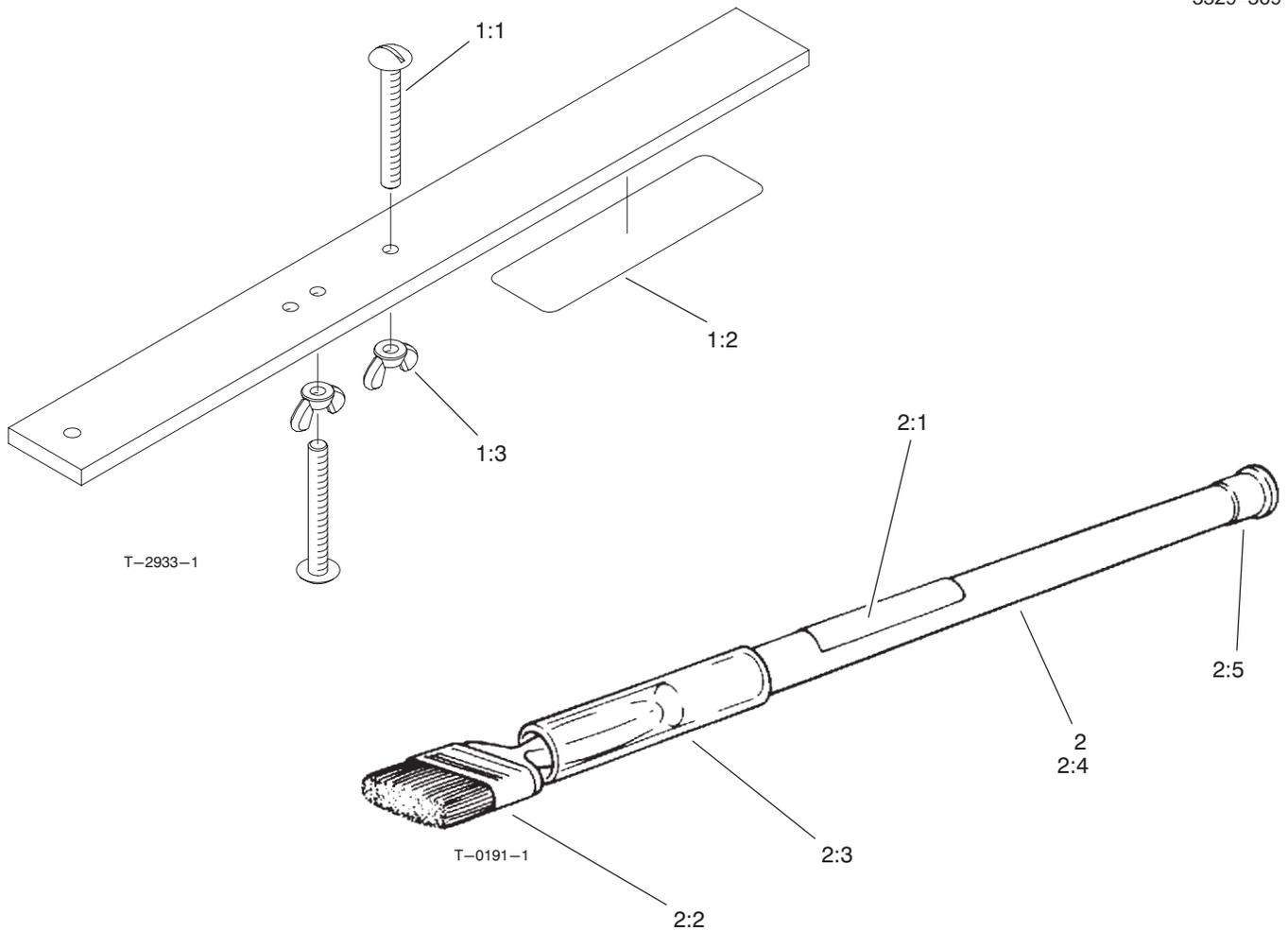
## Axle Tool No. \*TOR859920



T-1325-1

Ref. No.	Part No.	Description	No. Used
1		Tool-Axle	1

\*Obtain these items directly from OTC 2013 4th St. Owatonna, MN. 55060 1-800-533-0492  
 (in Minnesota and Canada 1-507-455-7050) Fax. 507-455-7011.



### Gauge Bar and Backlapping Brush Assembly

Ref. No.	Part No.	Qty.	Description
1	98-1852	1	Gauge Bar ASM
1:1	32122-54	2	Screw
1:2	98-7976	1	Decal
1:3	32103-3	2	Nut-Wing
2	29-9100	1	Backlapping Brush ASM
2:1	12-9140	1	Decal
2:2	36-4310	1	Brush
2:3	29-9090	1	Hose-Handle
2:4	29-9080	1	Handle
2:5	2410-18	1	Plug

Ref. No.	Part No.	Qty.	Description





