



Reelmaster® 5400-D 2-Wheel Drive Traction Unit

Model No. 03543 - 230000501 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.

Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

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
HHFTF.	hex head flange thread forming	SHH.	slotted hex head
HJ.	hex jam	SHWH.	slotted hex washer head
HLH.	hex lag head	SPH.	slotted pan head
HOC.	height-of-cut	SQH.	square head
HS.	hex	SRH.	slotted round head
HSBH.	hex socket button head	STD.	standard
HSFH.	hex socket flat head	TAP.	self tapping
HS.	hex socket head	TTH.	torx truss head
HWH.	hex washer head	WH.	wing head
HWHTF.	hex washer head thread forming		

Footnotes

- ❶

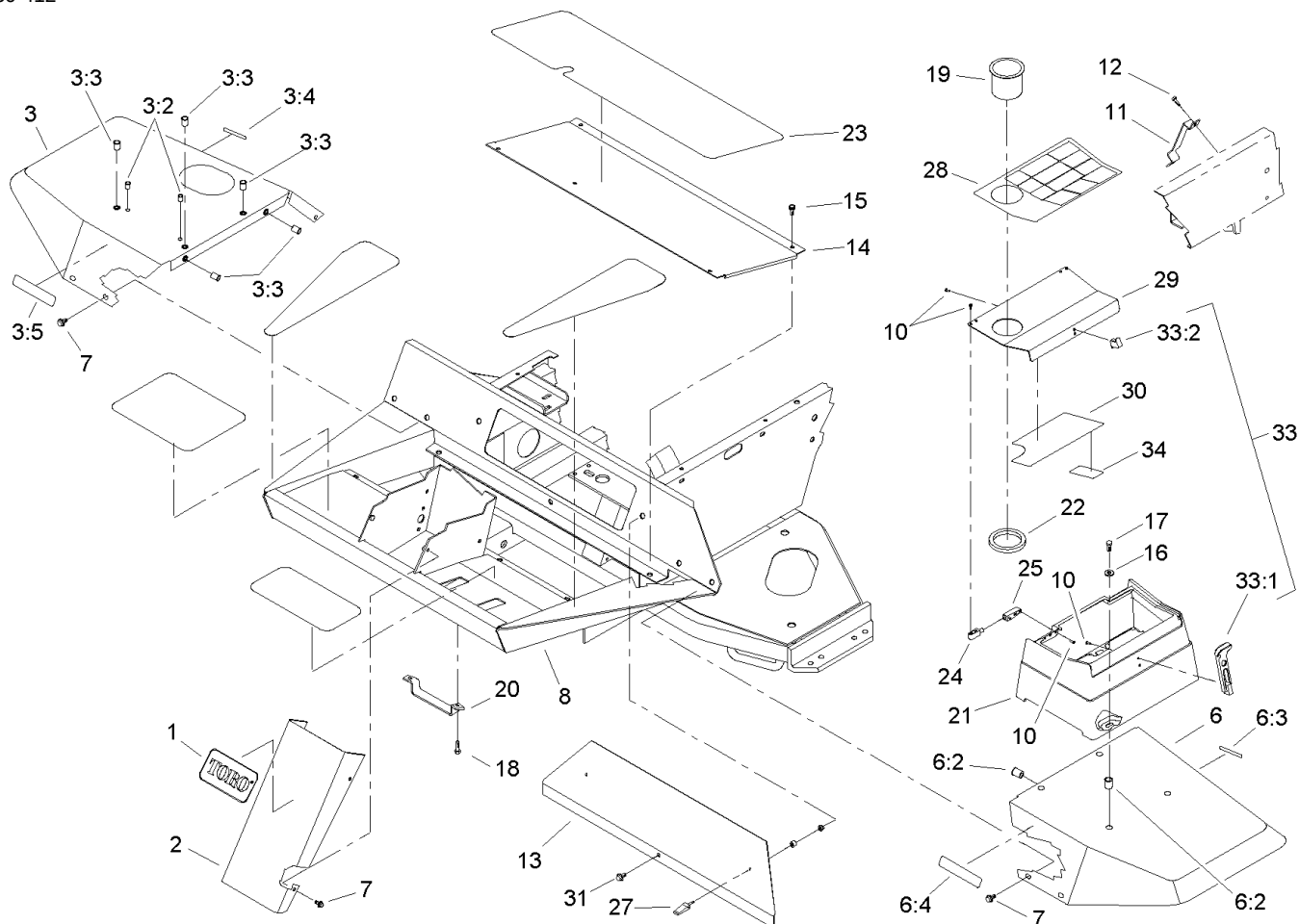
Not illustrated
- ❷

Not serviced separately
- ❸

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.

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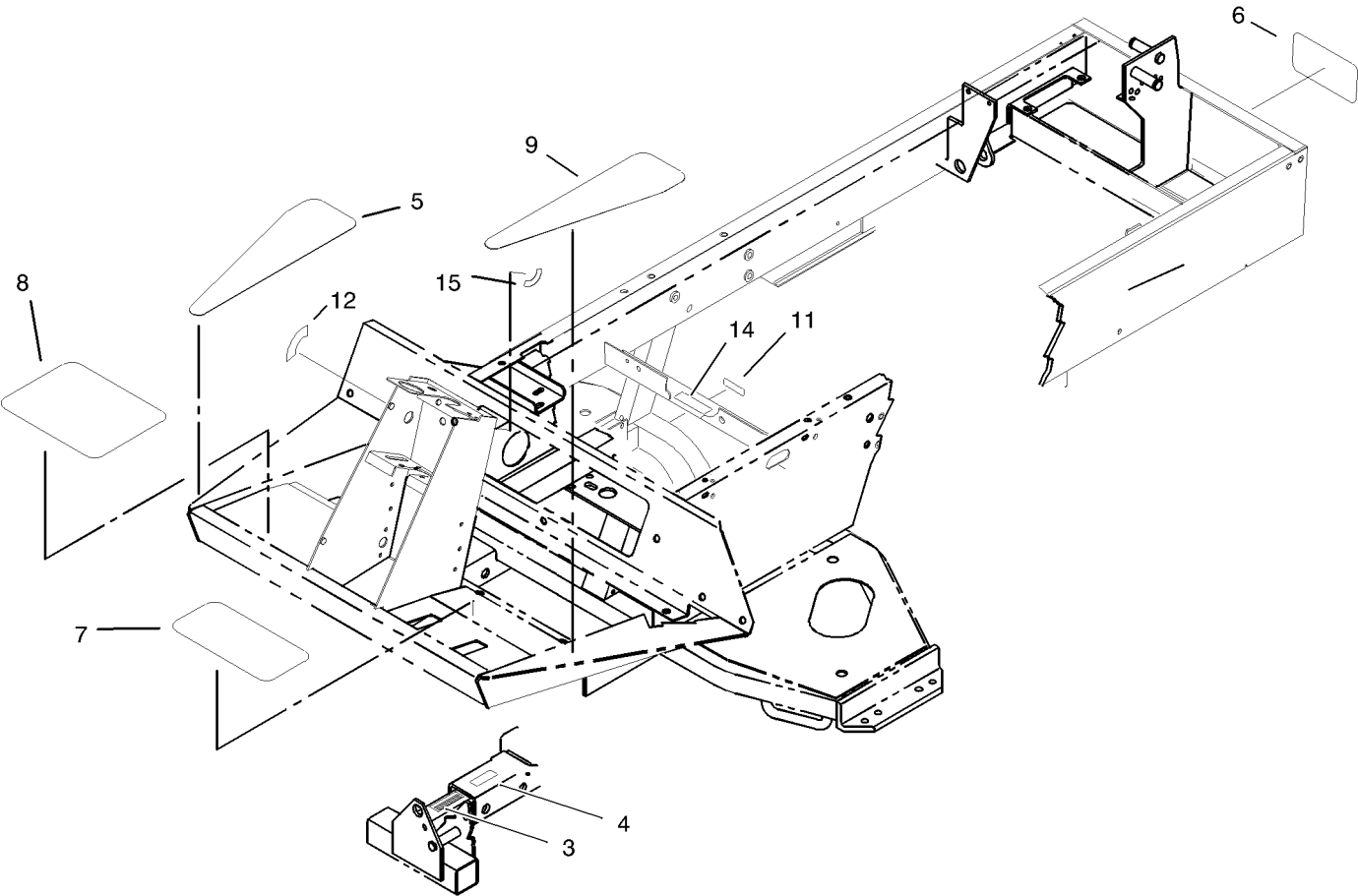
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Frame and Body Assembly

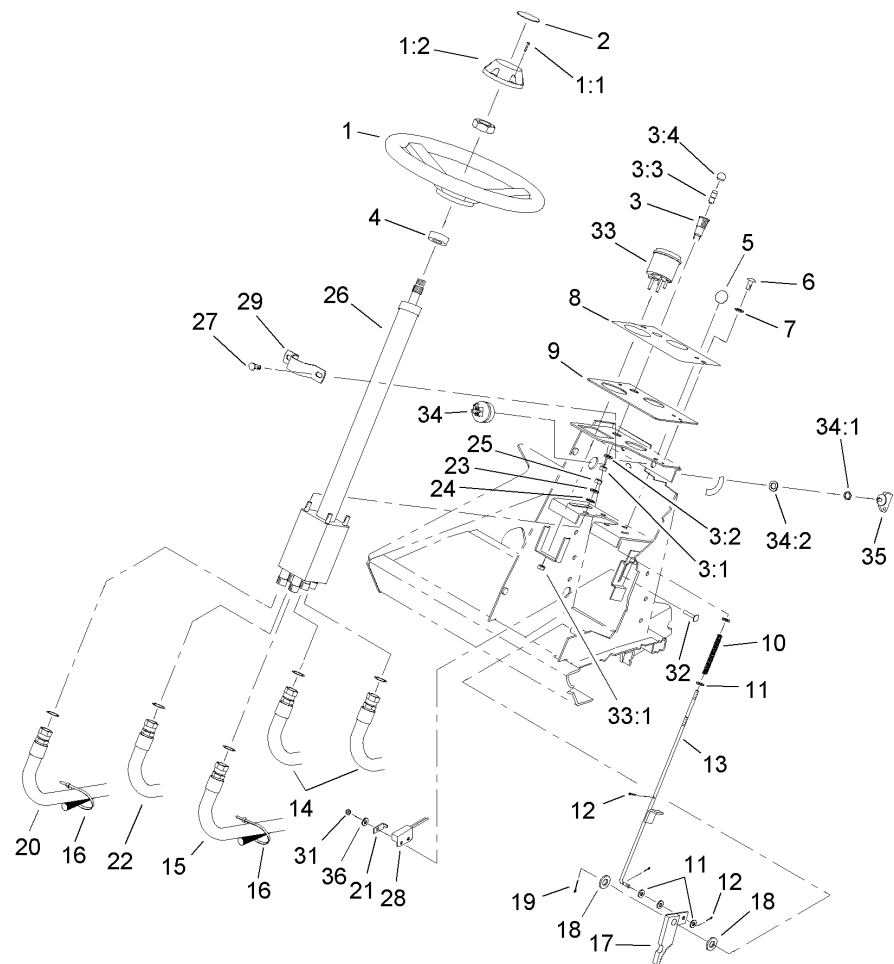
Ref	Part No.	Qty.	Description
1	62-5550	1	Decal-Logo
2	93-7996-01	1	Cover-Tower
3	106-5950	1	RH Fender ASM
3:2	32148-6	2	Insert-Nut
3:3	32148-7	5	Insert-Nut
3:4	93-6686	1	Decal-Oil, HYD
3:5	93-6689	1	Decal-No Riders
6	106-5951	1	LH Fender ASM
6:2	32148-7	6	Insert-Nut
6:3	93-6680	1	Decal-Diesel
6:4	93-6689	1	Decal-No Riders
7	3234-14	14	Screw-HHF
8	107-1840	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	75-6840	4	Knob-Knurled
15	3234-7	1	Screw-HHF
16	3256-3	4	Washer-Flat
17	322-5	4	Screw-HH
18	322-4	2	Screw-HH
19	94-1410	1	Holder-Can, Beverage

Ref	Part No.	Qty.	Description
20	93-3626	1	Bracket-Hose
21	104-0026	1	Toolbox
22	104-1476	1	Ring-Rubber
23	75-0630	1	Tread-Foot, Center
24	104-1496	2	Hinge-Pin
25	104-1497	2	Hinge-Receiver
27	74-5950	2	Latch-Swell
28	104-9295	1	Decal-Warning, Ce
28	104-9294	1	Decal-Warning
29	104-1489-03	1	Cover-Toolbox
30	105-7515	1	Decal-Service
30	104-1434	1	Decal-Service, Blank
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



Frame Assembly No. 107-1840

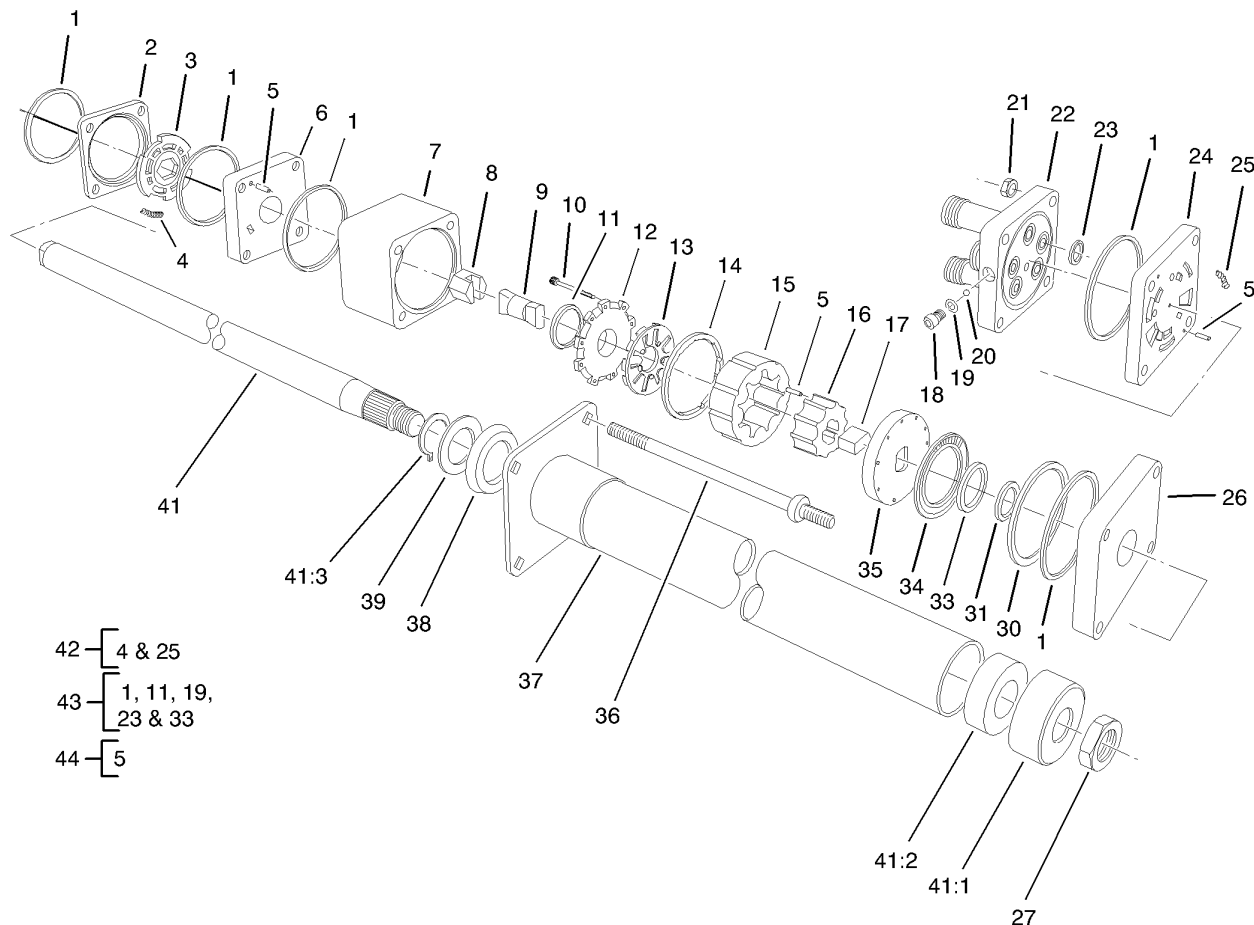
Ref	Part No.	Qty.	Description				
3	93-6693	1	Decal-Plate, Floor				
4	93-6686	1	Decal-Oil, HYD				
5	75-0640	1	Tread-Footrest, RH				
6	62-7400	1	Decal				
7	75-0620	1	Tread-Foot, LH				
8	75-0610	1	Tread-Foot, RH				
9	75-0650	1	Tread-Footrest, LH				
11	93-6691	1	Decal-Bolt, Eccentric				
12	93-6699	1	Decal-Fast/slow				
14	104-2052	1	Decal-Ansi				
15	105-7506	1	Decal-Switch, Key				



Steering Tower Assembly

Ref	Part No.	Qty.	Description
1	75-0560	1	Wheel-Steering
1:1	32144-21	1	Screw
1:2	68-5140	1	Cap-Wheel, Steering
2	68-5370	1	Decal-Toro
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	93-1263	1	Decal-Tower
9	93-7998-03	1	Plate-Instrument
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	75-6230	2	Hose
15	75-6240	1	Hose
16	3290-378	4	Tie-Cable
17	63-7900-03	1	Rack ASM
18	3256-26	2	Washer-Flat

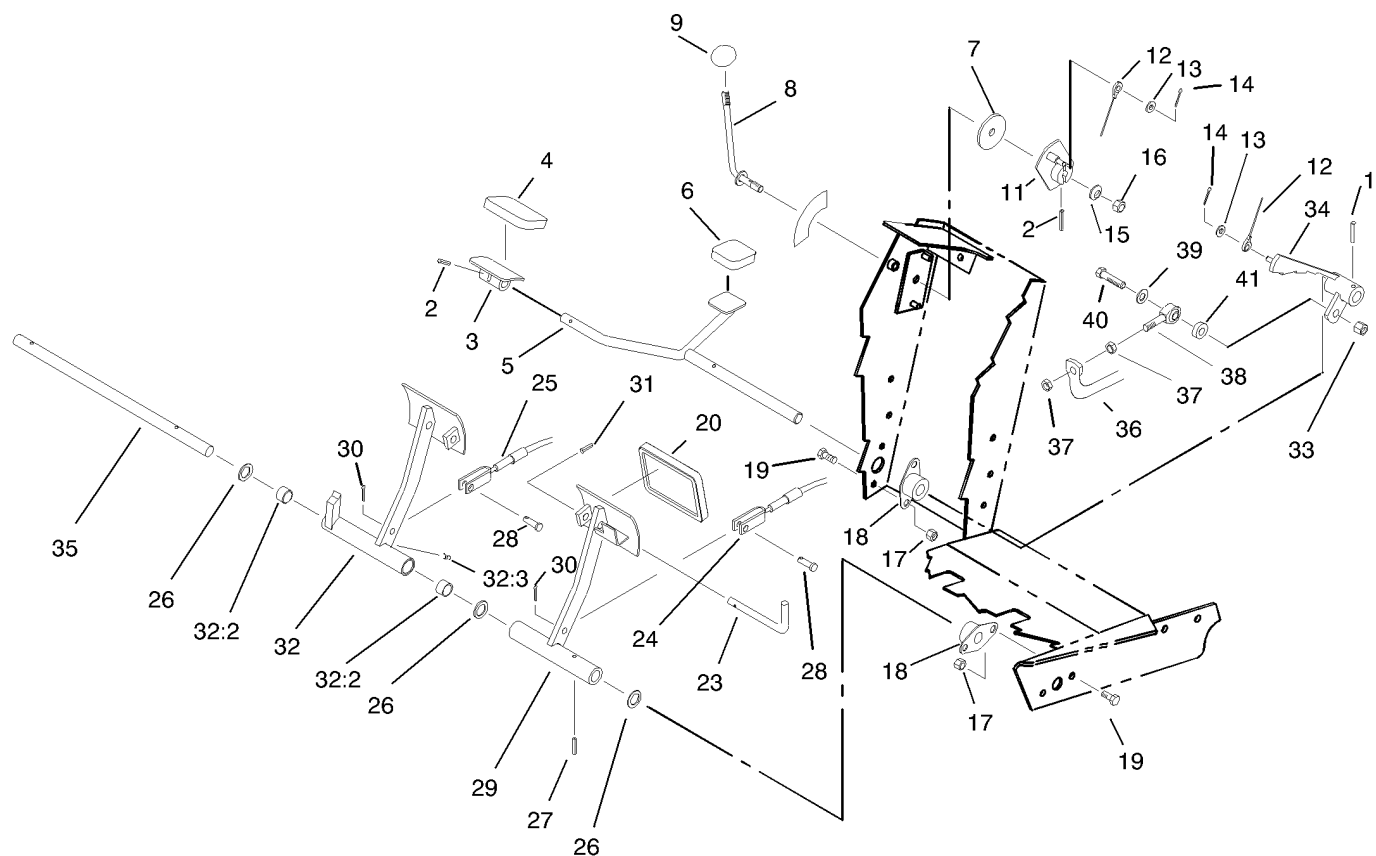
Ref	Part No.	Qty.	Description
19	3272-10	1	Pin-Cotter
20	75-5940	1	Hose
21	100-4872	1	Plate-Switch, Neutral
22	75-6250	1	Hose
23	3256-23	4	Washer-Flat
24	3255-8	1	Washer-Lock
25	3296-20	4	Nut-Lock, NI
26	75-0600	1	Unit-Steering, Power
27	32144-11	2	Screw-TAP
28	100-1270	1	Switch-Proximity
29	75-2810	1	Bracket-Column, Steering
31	3296-2	1	Nut-Lock
32	104-1450	1	Bolt-CARR
33	104-9324	1	Speedometer
33:1	3296-1	4	Nut-Lock, NI
34	104-2541	1	Switch-Key
34:1	218-461	1	Nut-HH
34:2	3254-5	1	Washer-Tooth
35	63-8360	1	Key-Ignition
36	3256-14	1	Washer-Flat



Power Steering Unit No. 75-0600

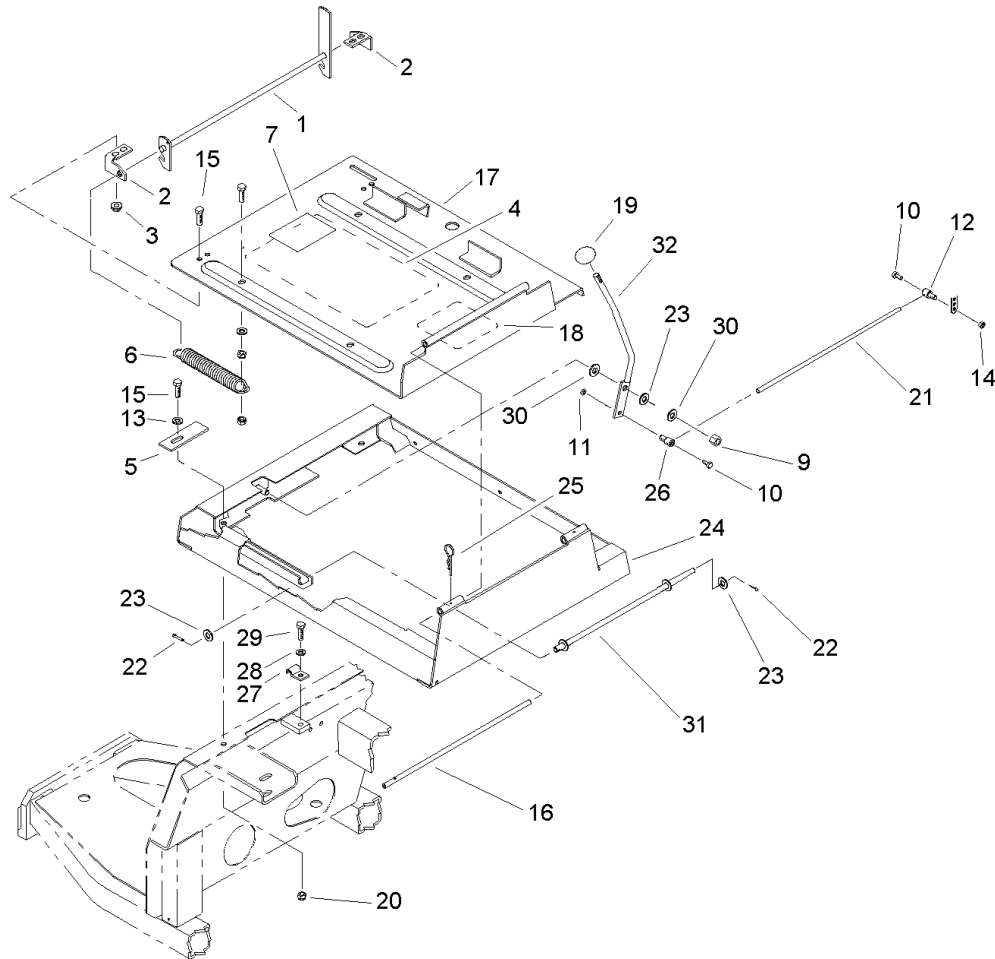
Ref	Part No.	Qty.	Description
21		5	Ring-Seal
22		1	Ring-Valve
23		1	Plate-Valve
24		3	Spring
25		9	Pin-Alignment
26		1	Manifold-Isolation
27		1	Ring-Metering
28		1	Hex Drive ASM
29		1	Link-Drive
210		11	Screw-HSH
211		1	Seal-Commutator
212		1	Cover-Commutator
213		1	Commutator
214		1	Ring-Commutator
215		1	Stator
216		1	Rotor
217		1	Spacer-Drive Link
218		1	Plug
219		1	O-Ring
220		1	Ball
221		4	Nut-Hex
222		1	Cover-Port
223		5	O-Ring
224		1	Manifold-Port
225		3	Spring

Ref	Part No.	Qty.	Description
226		1	Plate-Cover, Upper
27	3220-6	1	Nut-Jam
230		1	Spacer-Bearing, Thrust
231		1	Spacer-Seal
233		1	Seal-Face
234		1	Bearing-Thrust
235		1	Plate-Drive
36	93-3609	4	Bolt-Special
37	66-9860	1	Cover And Jacket-Upper
38	66-9870	1	Plate-Retaining
39	66-9880	1	Washer-Plate, Retaining
41	66-9900	1	Shaft-Input
41:1	92-7315	1	Seal-Upper
41:2	104-9327	1	Bushing-Column
41:3	66-9890	1	Ring-Retaining
42	66-9970	1	Spring Kit
43	66-9980	1	Seal Kit
44	66-9990	1	Needle Roller Kit



Traction and Brake Pedals Assembly

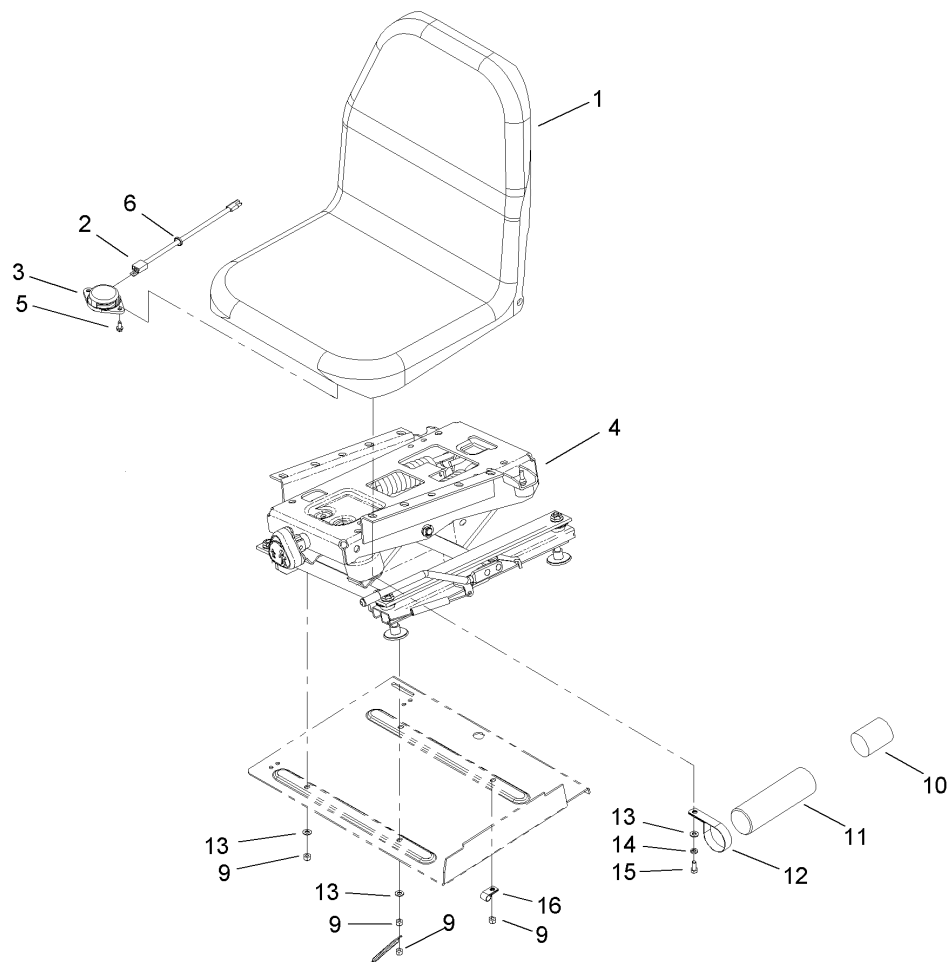
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	32121-6	1	Pin-Roll	28	283-58	2	Pin-Clevis
2	32121-45	2	Pin-Spring	29	75-1440-03	1	Pedal-Brake, LH
3	49-6440-03	1	Pedal-Forward	30	3272-10	2	Pin-Cotter
4	74-9100	1	Pad-Pedal, Forward	31	32121-50	1	Pin-Spring
5	75-2970	1	Pedal-Traction	32	75-1430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



Seat Frame and Throttle Assembly

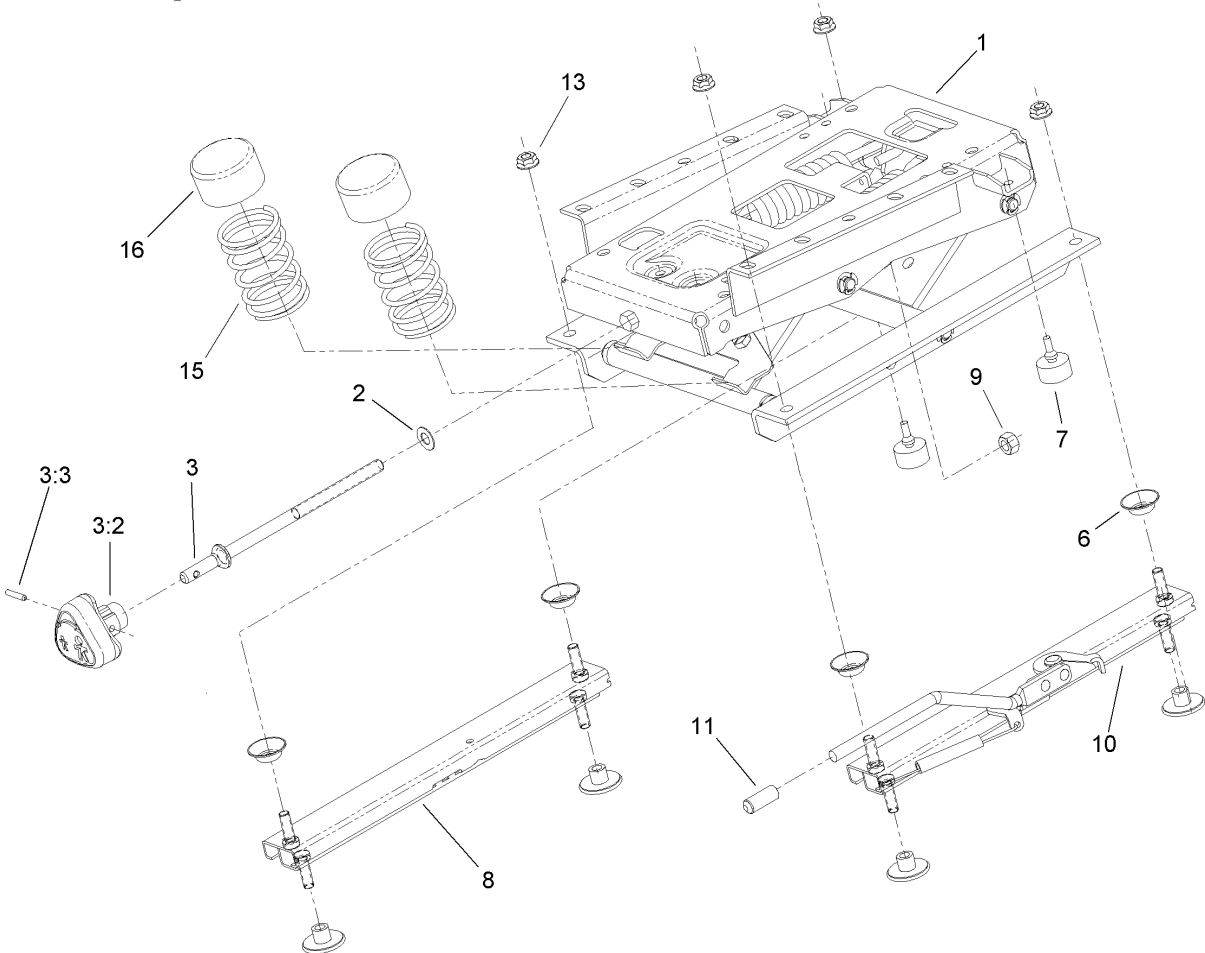
Ref	Part No.	Qty.	Description
1	98-2354-03	1	Latch-Seat
2	98-2353	2	Bracket-Latch, Seat
3	32128-25	4	Nut-Flange
4	98-9342	1	Decal-Solenoid, Information (Ce)
5	98-9302	1	Plate-Stop, Idler
6	66-4190-03	1	Spring-Idler, Clutch
7	105-4674	1	Decal-Noise, Ce
9	3296-39	1	Nut-Lock, NI
10	25-8640	2	Screw-HH
11	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	106-9224	1	Decal-Danger
19	233-42	1	Knob
20	3296-29	4	Nut-Lock, NI
21	98-9303	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

Ref	Part No.	Qty.	Description
26	93-0021	1	Swivel-Cable, Throttle
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



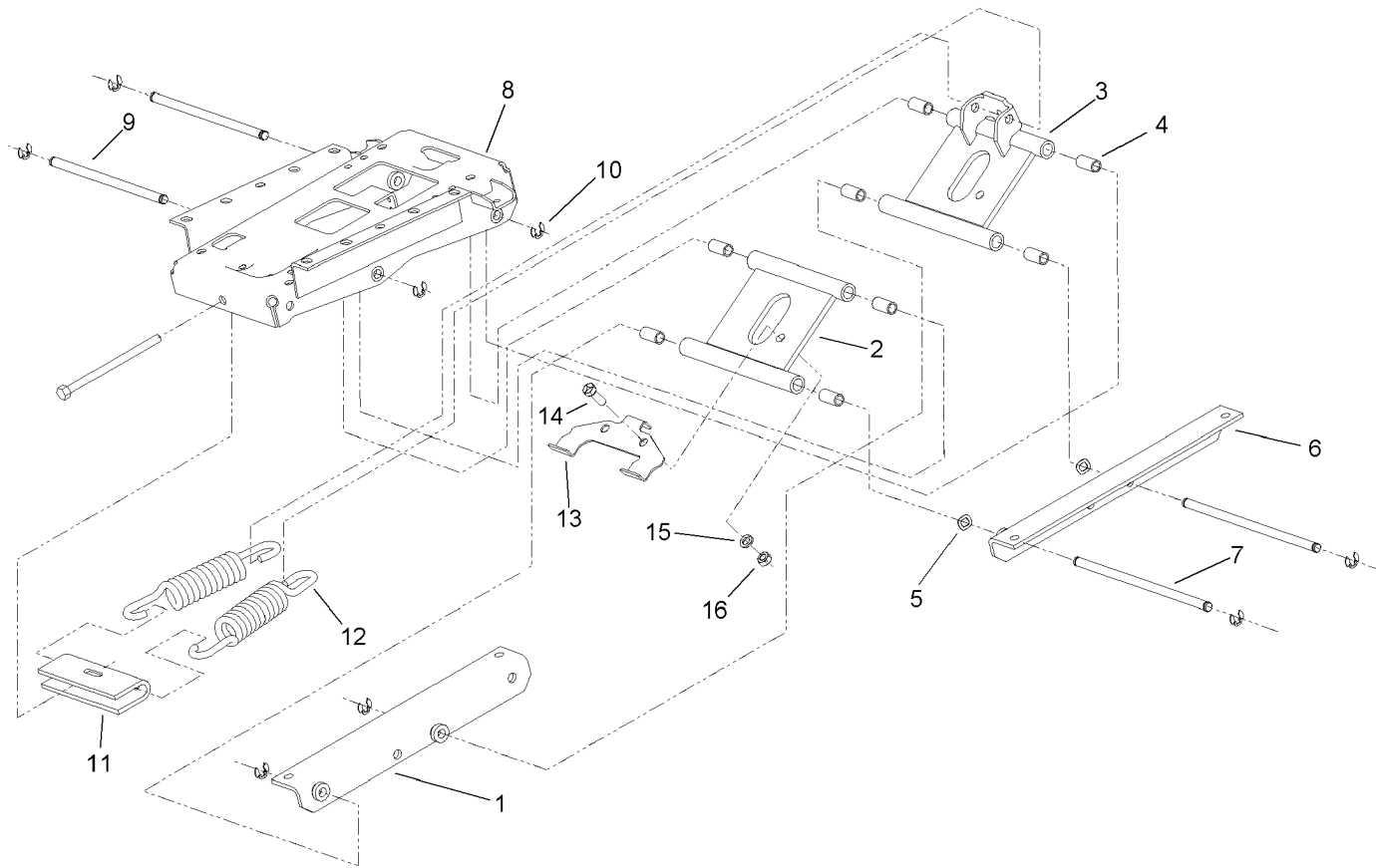
Seat and Suspension Assembly

Ref	Part No.	Qty.	Description				
1	104-4620	1	Seat-Olympic, Toro				
2	106-7090	1	Harness-Wire, Seat Switch				
3	92-6282	1	Switch-Seat				
4	76-1970	1	Seat Suspension ASM				
5	32144-10	2	Screw-HWH				
6	93-0140	1	Grommet-Rubber				
9	3296-29	5	Nut-Lock, NI				
10	104-7048	1	Cap-Housing				
11	104-7050	1	Housing-Manual				
12	2412-133	2	R-Clamp				
13	3256-23	8	Washer-Flat				
14	3253-4	4	Washer-Lock				
15	322-3	4	Screw-HH				
16	2412-93	1	Clamp-R				



Seat and Suspension Assembly No. 76-1970

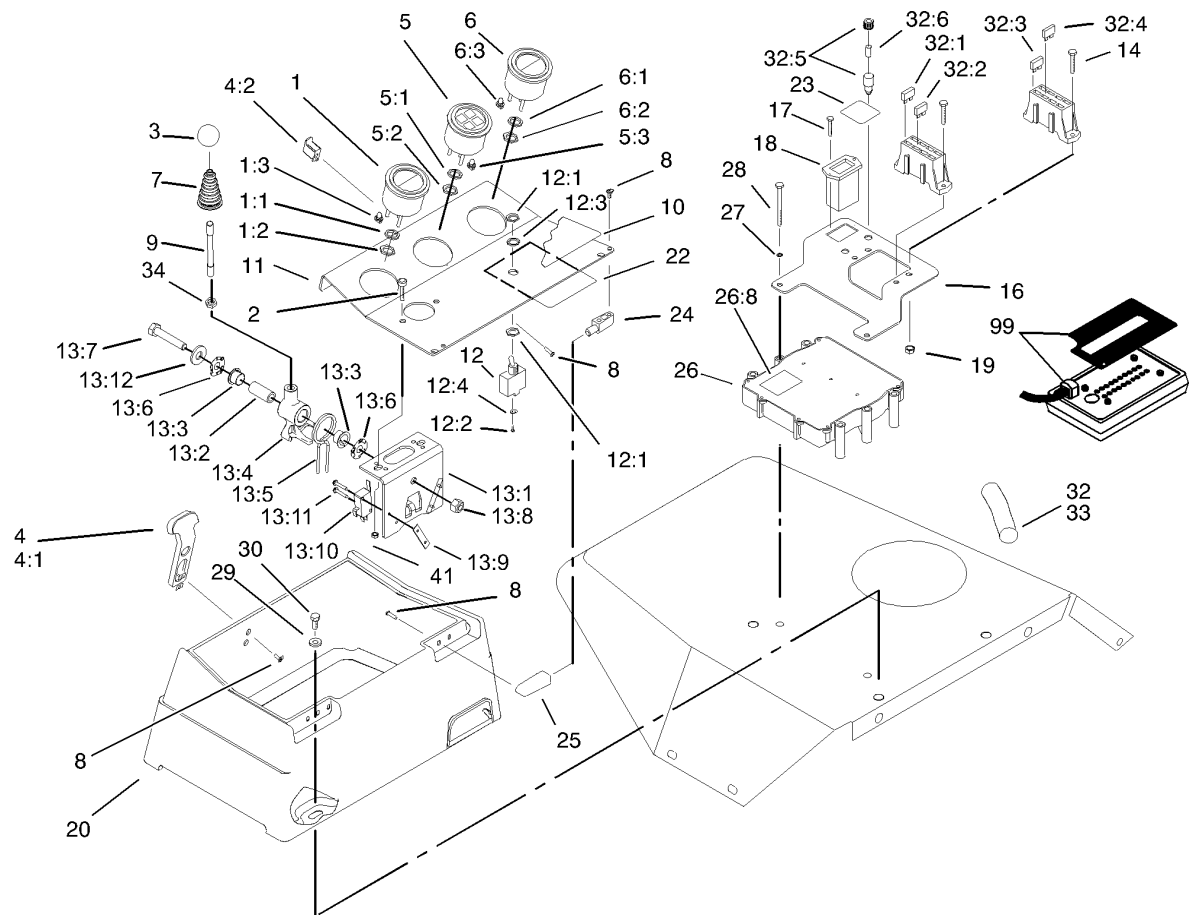
Ref	Part No.	Qty.	Description				
1	106-8085	1	Suspension ASM				
2	3256-24	1	Washer-Flat				
3	106-1031	1	Tension Adjuster Knob ASM				
3:2	106-8093	1	Knob-Adjust, Tension				
3:3	32121-45	1	Pin-Spring				
6	66-9290	4	Spacer-Suspension				
7	76-2940	2	Bumper				
8	66-8530	1	Adjuster				
9	32153-2	1	Nut-Lock				
10	66-8510	1	Adjuster W/handle				
11	75-3570	1	Tip-Vinyl				
13	32128-25	4	Nut-Flange				
15	93-3163	2	Spring				
16	93-3164	2	Cap				



Suspension Assembly No. 106-8085

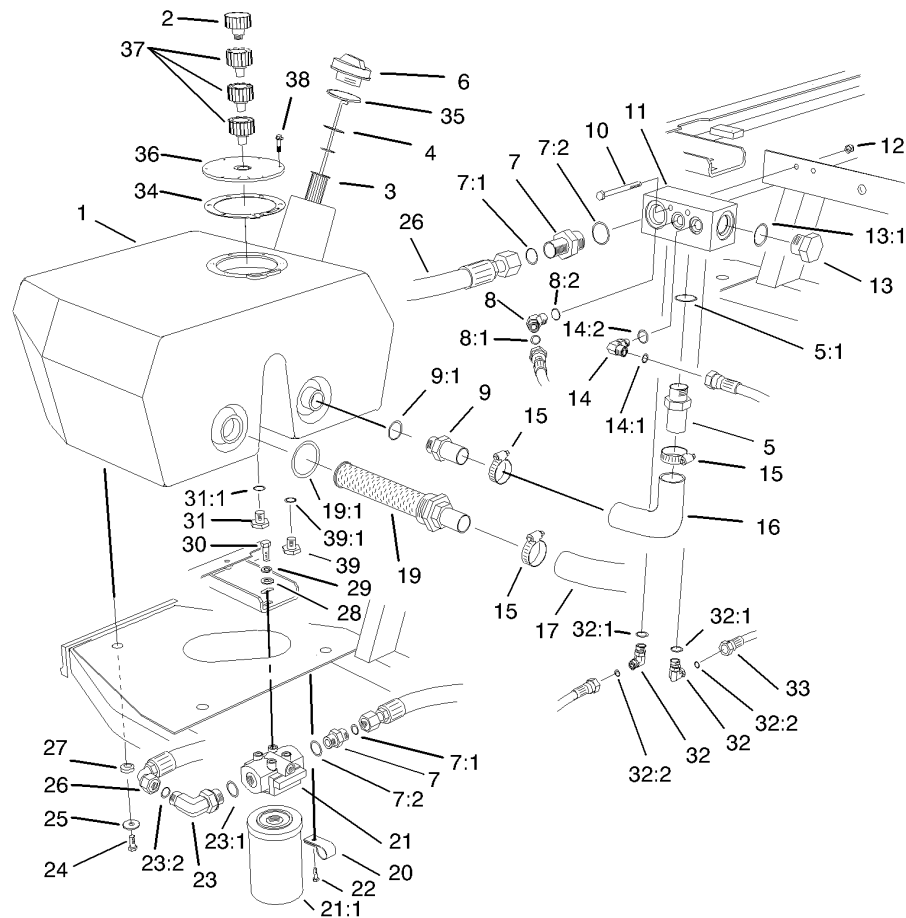
Ref	Part No.	Qty.	Description				
1	106-8086	1	Bracket-Mounting, RH				
2	106-8087	1	Arm				
3	106-8088	1	Bellcrank				
4	76-1920	8	Sleeve-Bearing				
5	108472	2	Washer-Wave				
6	106-8089	1	Mounting Bracket, LH				
7	106-8090	2	Shaft-Pivot				
8	66-8600	1	Frame-Upper				
9	76-1910	2	Shaft-Pivot				
10	32151-47	8	Ring-Retaining				
11	77-2870	1	Hanger-Spring				
12	76-1940	2	Spring-Extension				
13	93-3165	1	Bracket				
14	322-6	1	Screw-HH				
15	3253-33	1	Washer-Lock				
16	3217-6	1	Nut-Hex				

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Control Console Assembly (continued)

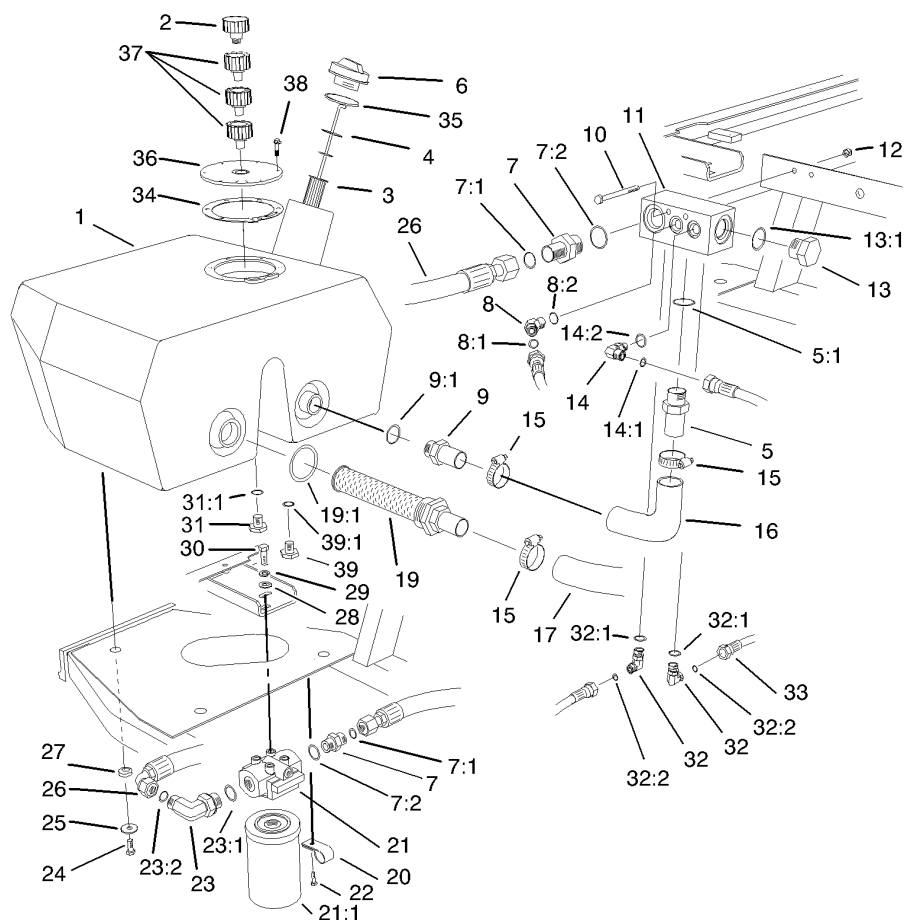
Ref	Part No.	Qty.	Description				
24	104-1496	2	Hinge-Pin				
25	104-1497	2	Hinge-Receiver				
26	92-5720	1	Controller-Electronic				
26:8	93-8053	1	Decal				
27	3253-3	2	Washer-Lock				
28	321-14	2	Screw-HH				
29	3256-3	3	Washer-Flat				
30	322-5	3	Screw-HH				
32	106-5970	1	Harness-Wire				
32:1	94-9157	1	Fuse-Blade, 4 Amp				
32:2	114241	1	Fuse-7.5 Amp				
32:3	218-578	3	Fuse-10 Amp				
32:4	109101	1	Fuse-20 Amp				
32:5	85-4491	1	Light-Indicator (Includes Lamp)				
32:6	219-19	1	Lamp-Green				
33	94-6343	1	Decal-Identification, Wire				
34	3218-3	1	Nut-Jam				
41	32128-33	2	Nut-HF				
99	104-9270	1	Decal-Diagnostics				
99	85-4750	1	Box-Display, Diagnostic				



Hydraulic Filter and Reservoir Assembly

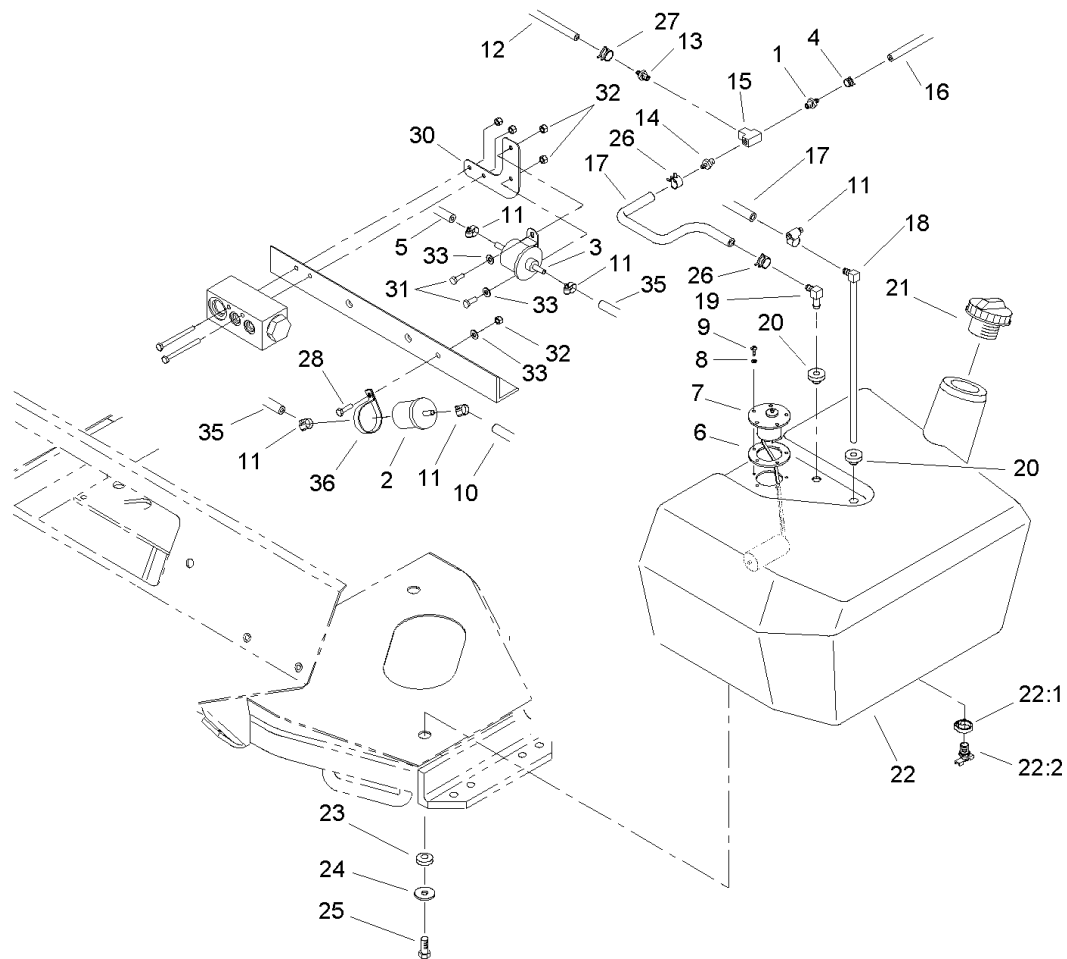
Ref	Part No.	Qty.	Description
1	104-9254	1	Tank-Oil
2	68-6150	1	Breather
3	61-2790	1	Filter-Screen
4	94-9411	1	Dipstick
5	354-73	1	Fitting
5:1	237-81	1	O-Ring
6	93-7498	1	Plug-Plastic
7	340-8	2	Adapter
7:1	237-65	1	O-Ring
7:2	237-81	1	O-Ring
8	340-87	1	Fitting-Hyd, 45 DEG
8:1	237-22	1	O-Ring
8:2	237-42	1	O-Ring
9	99-6932	1	Fitting-Barb, Hose
9:1	237-117	1	O-Ring
10	321-23	2	Screw-HH
11	92-9098	1	Manifold-Tank
12	3296-42	2	Nut-Lock, NI
13	354-74	1	Fitting
13:1	237-81	1	O-Ring
14	340-77	1	Fitting-Hyd, 90 DEG
14:1	237-22	1	O-Ring
14:2	237-42	1	O-Ring
15	2412-34	3	Clamp-Hose

Ref	Part No.	Qty.	Description
16	75-5720	1	Hose-Return
17	75-6870	1	Hose-Inlet, Pump
19	104-7546	1	Strainer-Tank
19:1	340-136	1	O-Ring
20	2412-93	2	Clamp-R
21	75-1300	1	Oil Filter ASM
21:1	75-1310	1	Element-Filter
22	32144-10	2	Screw-HWH
23	340-139	1	Fitting-Hyd, 90 DEG
23:1	237-81	1	O-Ring
23:2	237-65	1	O-Ring
24	33105-025	3	Screw-HHF
25	63-8410	3	Washer
26	75-6130	1	Hose
27	240-11	3	Bushing-Flange
28	3256-24	2	Washer-Flat
29	3253-21	2	Washer-Lock
30	323-4	2	Screw-HH
31	353-550	1	Plug-HYD
31:1	237-79	1	O-Ring
32	340-82	2	Adapter
32:1	237-42	1	O-Ring
32:2	237-21	1	O-Ring
33	100-3739	1	Return Drain Hose ASM



Hydraulic Filter and Reservoir Assembly (continued)

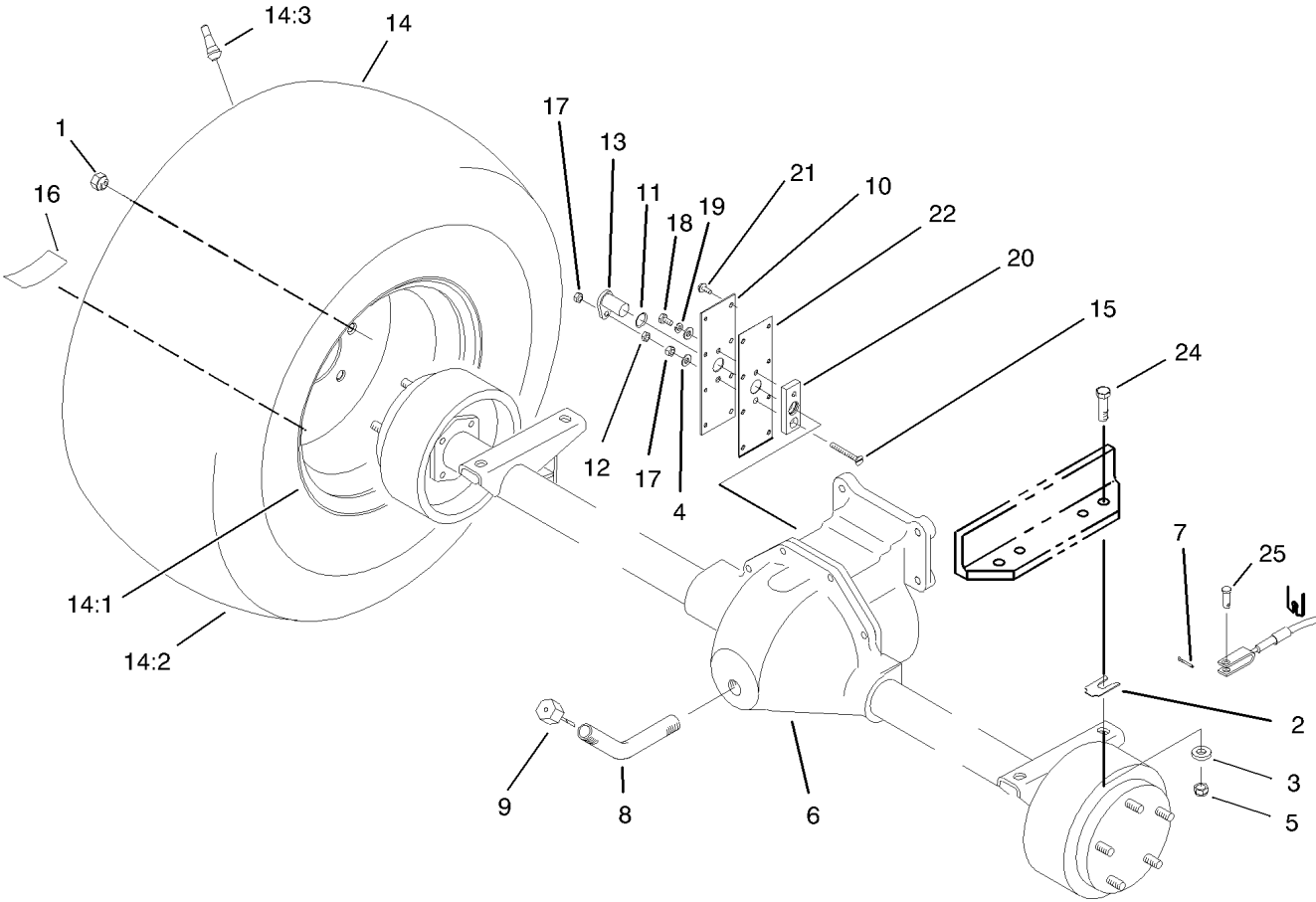
Ref	Part No.	Qty.	Description				
34	93-7499	1	Gasket				
35	237-101	1	O-Ring				
36	93-7588	1	Cover-Tank				
37	92-8020	3	Adapter-Breather				
38	33104-020	6	Screw-HHF				
39	353-508	1	Plug				
39:1	237-42	1	O-Ring				



Fuel Tank Assembly

Ref	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	27-5370	1	Hose-Fuel
11	2412-108	6	Clamp-Worm
12	75-4700	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	93-2042	1	Hose-Fuel
18	66-8121	1	Standpipe
19	46-6550	1	Fitting-Hyd, 90 DEG
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

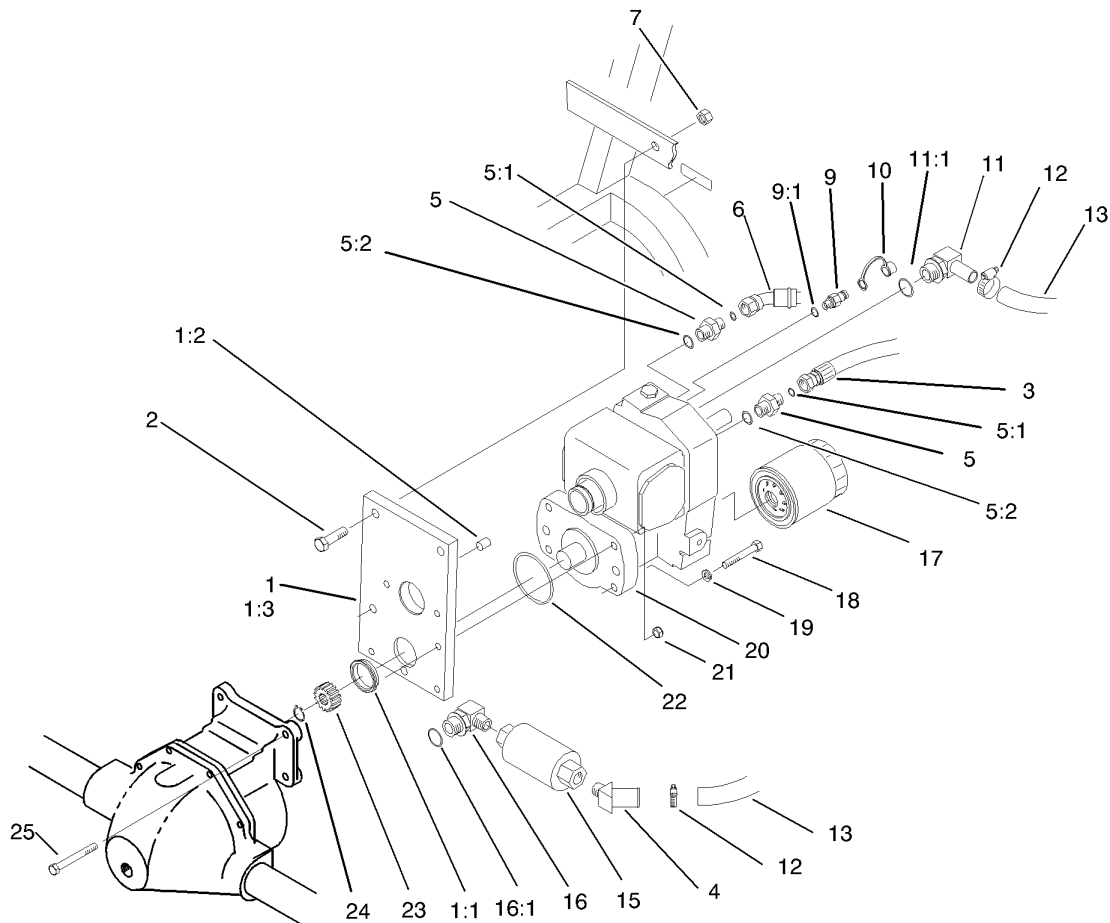
Ref	Part No.	Qty.	Description
23	240-11	3	Bushing-Flange
24	63-8410	3	Washer
25	33105-025	3	Screw-HHF
26	92-2379	2	Clamp-Hose
27	2412-146	2	Clamp-Hose
28	321-6	1	Screw-HH
30	104-9333	1	Bracket-Pump, Fuel
31	321-4	2	Screw-HH
32	3296-42	3	Nut-Lock, NI
33	3256-22	3	Washer-Flat
34	3290-378	1	Tie-Cable
35	27-5360	1	Hose-Fuel
36	2412-148	1	Clamp-R



Front Axle Assembly

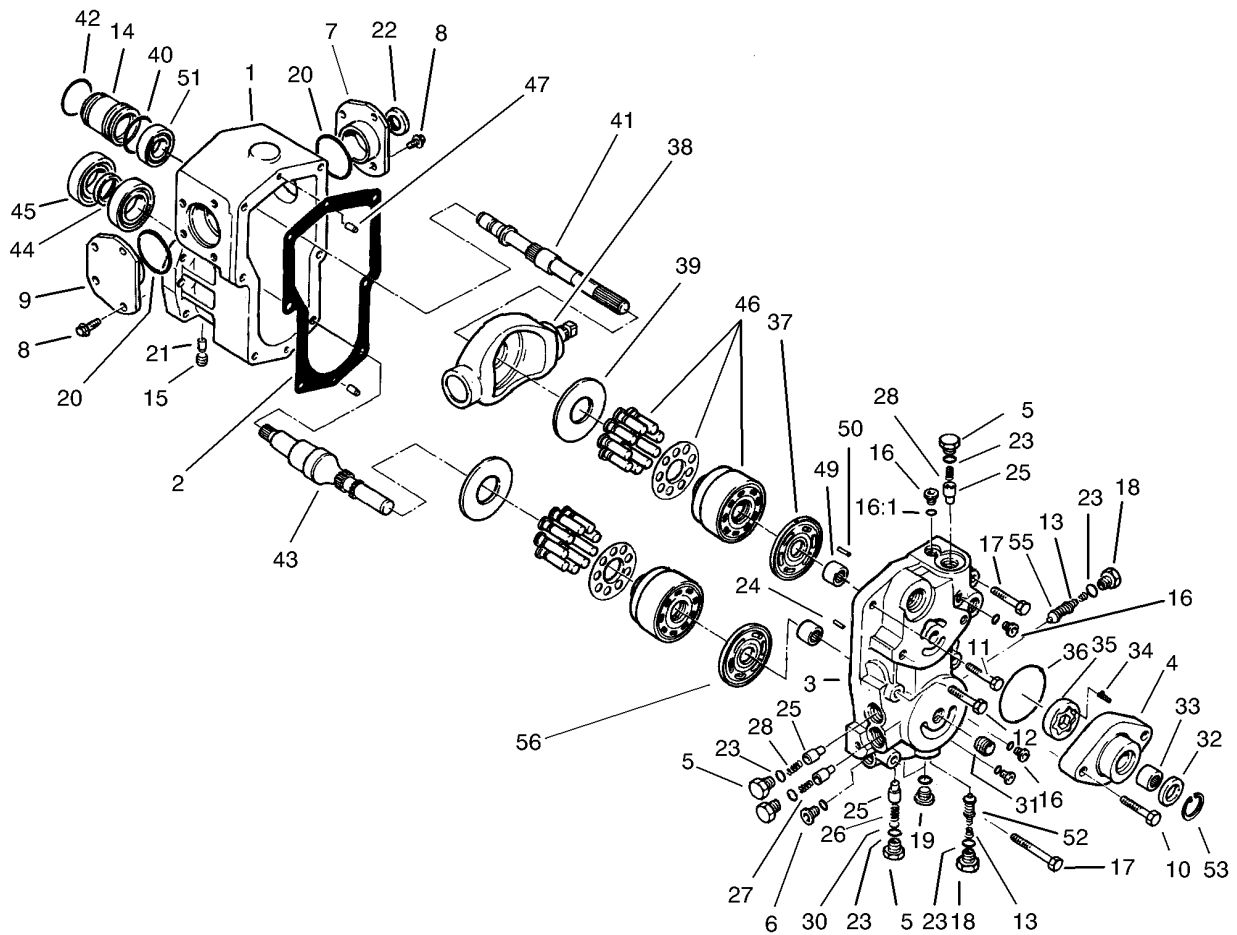
Ref	Part No.	Qty.	Description
1	242-50	10	Nut-Lug
2	42-6080	5	Shim-Axle
3	66-6480	4	Washer
4	3256-22	2	Washer-Flat
5	3296-48	4	Nut-Lock, NI
6	106-9212-03	1	Drive Axle ASM
7	3272-10	2	Pin-Cotter
8	75-6850	1	Tube-Fill, Oil
9	27-3710	1	Dipstick
10	85-4330	1	Cover-Gear
11	237-181	1	O-Ring
12	3218-1	1	Nut-Jam
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

Ref	Part No.	Qty.	Description
22	92-5797	1	Gasket-Axle
24	324-7	4	Screw-HH
25	283-58	2	Pin-Clevis



Transmission Assembly

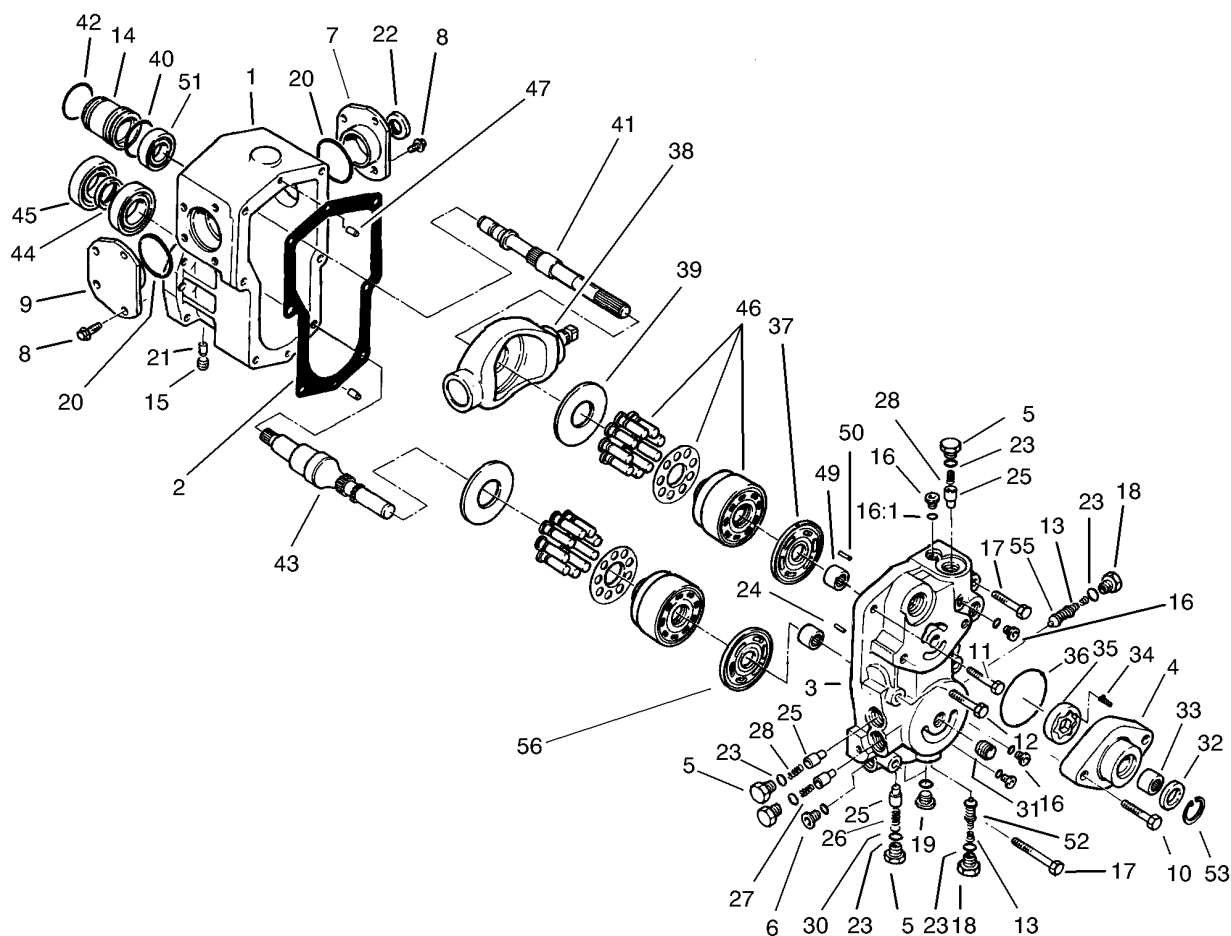
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	92-4846	1	Transmission Support ASM	19	3253-21	2	Washer-Lock
1:1	75-3110	1	Collar-Transmission	20	75-0012	1	Transmission
1:2	92-4808	1	Sleeve-Transmission	21	3296-39	2	Nut-Lock, NI
1:3	92-4809	1	Support-Transmission	22	237-161	1	O-Ring
2	325-7	2	Screw-HH	23	86-7220	1	Gear-Pinion
3	93-0075	1	Hose ASM	24	32151-62	1	Ring-Retaining
4	354-72	1	Fitting-HYD	25	323-20	2	Screw-HH
5	340-3	2	Adapter				
5:1	237-22	1	O-Ring				
5:2	237-79	1	O-Ring				
6	93-0076	1	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 DEG				
16:1	237-81	1	O-Ring				
17	75-1330	1	Element-Filter				
18	323-12	2	Screw-HH				



Transmission Assembly No. 75-0012

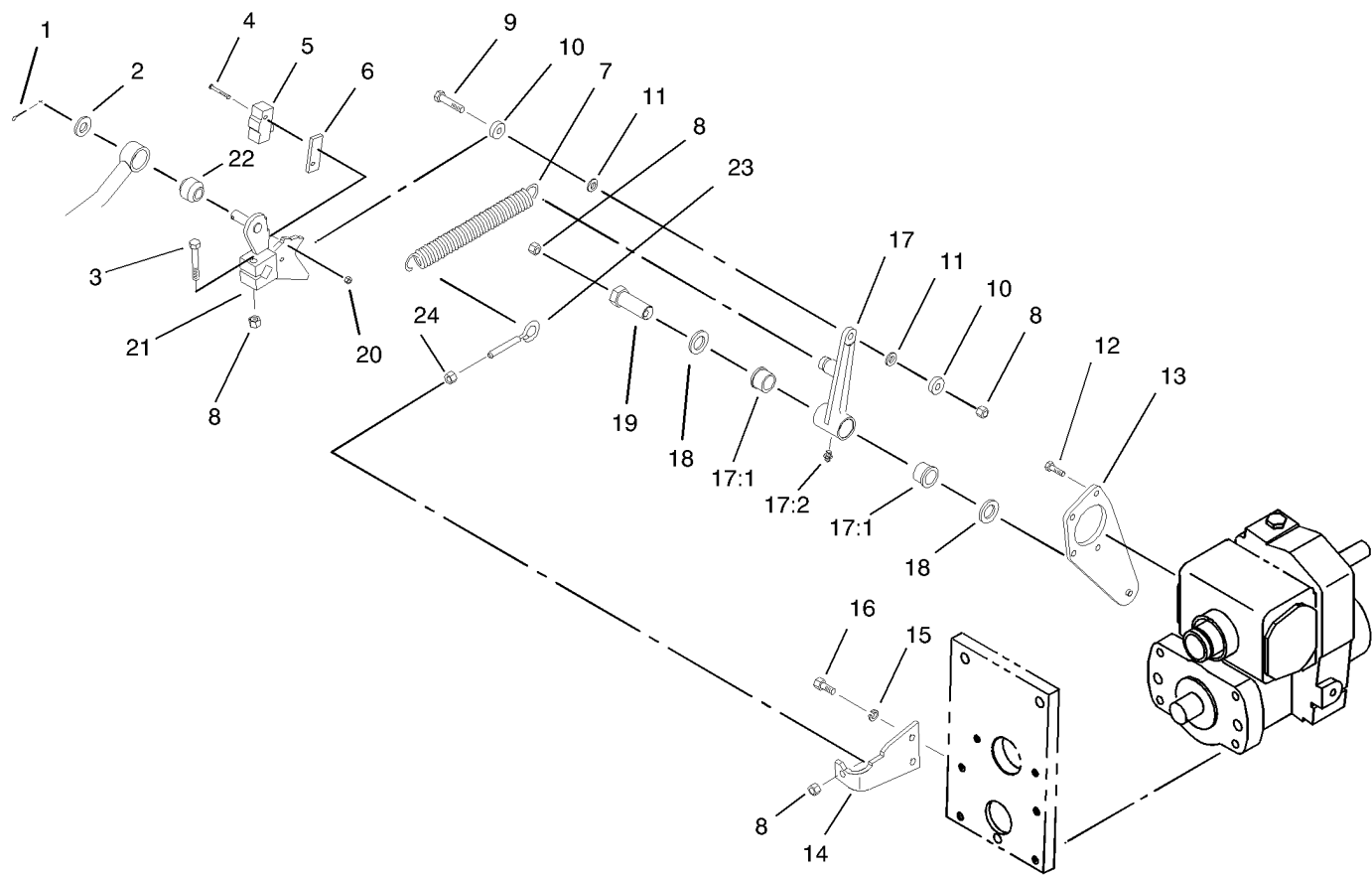
Ref	Part No.	Qty.	Description
1	75-0020	1	Housing
2	75-0030	1	Gasket-Housing
3	75-0040	1	Section-Center
4	83-4780	1	Housing-Pump, Charge
5	75-0060	4	Plug
6	75-0070	1	Plug
7	86-7520	1	RH Trunnion Cover ASM
8	75-0090	8	Capscrew-HH
9	86-7530	1	LH Trunnion Cover ASM
10	75-0110	2	Capscrew-HH
11	75-0120	1	Capscrew-HH
12	75-0130	3	Capscrew-HH
13	75-0140	2	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
23	75-0240	6	O-Ring

Ref	Part No.	Qty.	Description
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



Transmission Assembly No. 75-0012 (continued)

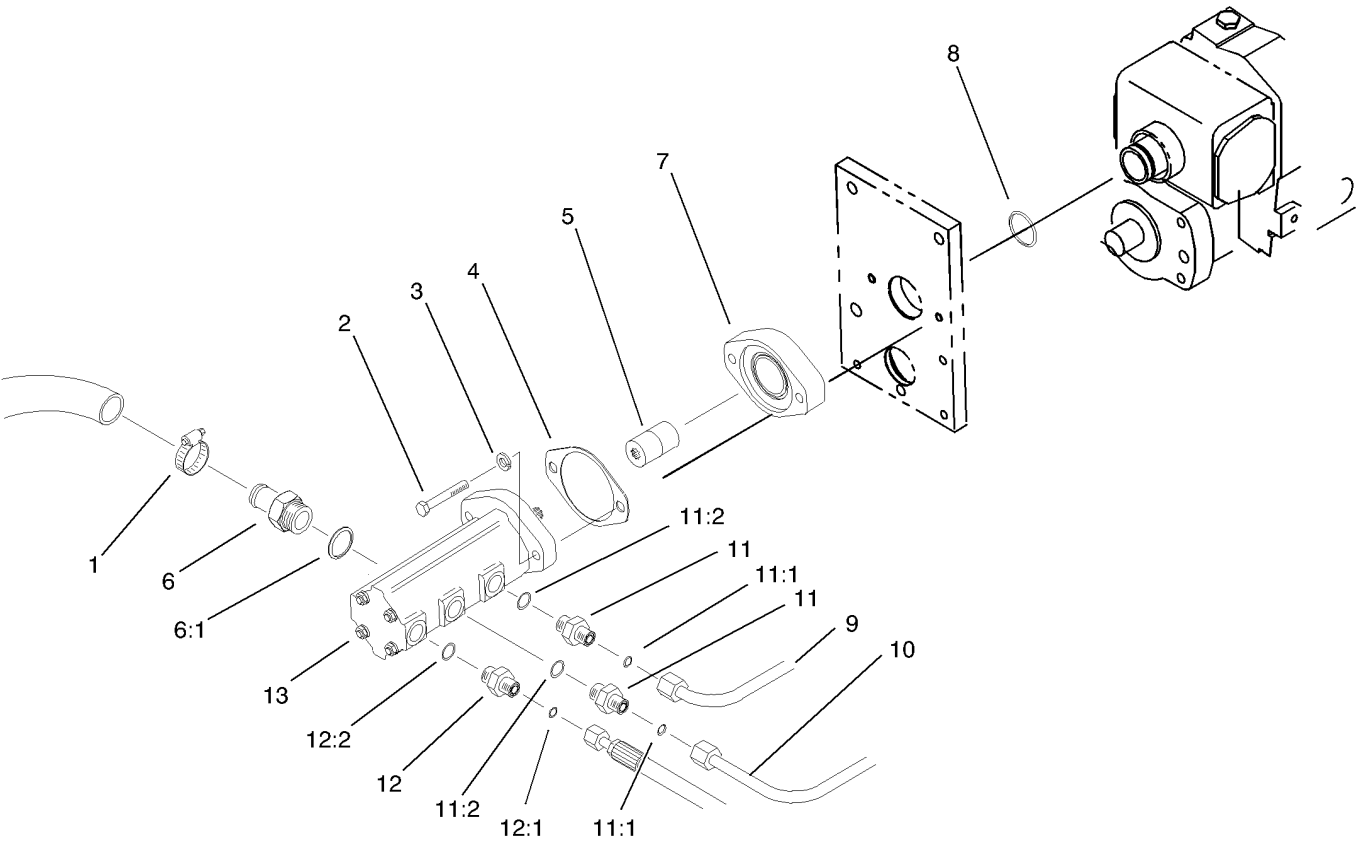
Ref	Part No.	Qty.	Description
50	75-0510	1	Pin
51	75-0520	1	Bearing-Ball
52	75-6930	1	Valve-Screw
53	32120-74	1	Snap-Ring
55	93-0097	1	Valve-Screw
56	93-0083	1	Plate-Valve



Traction Control Assembly

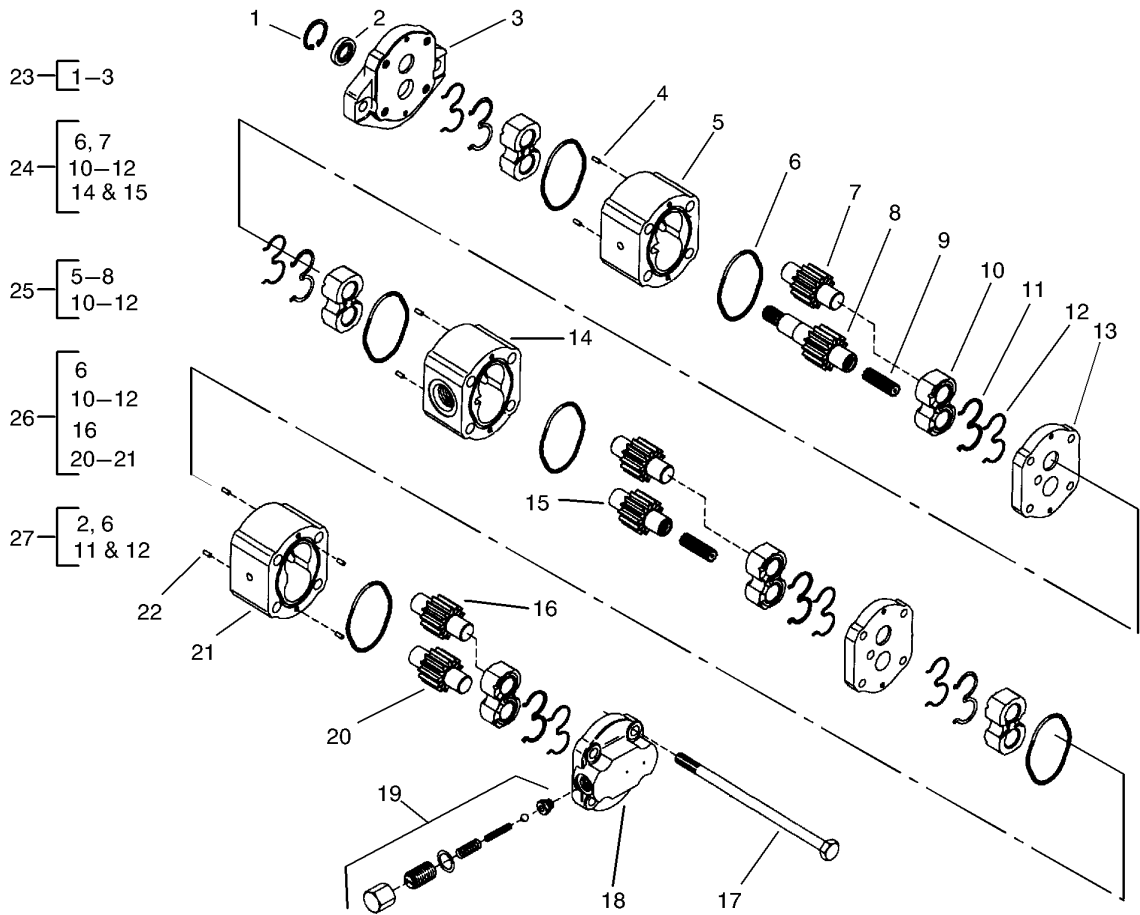
Ref	Part No.	Qty.	Description
1	3272-10	1	Pin-Cotter
2	3256-26	1	Washer-Flat
3	322-10	1	Screw-HH
4	32105-21	2	Screw-HH
5	29-6162	1	Switch-Micro
6	75-4130	1	Plate-Switch
7	76-9430-03	1	Spring-Extention
8	3296-29	4	Nut-Lock, NI
9	322-7	1	Screw-HH
10	251-307	2	Bearing-Ball
11	75-5470	2	Spacer-Bearing
12	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	Part No.	Qty.	Description
23	85-9910	1	Eyebolt
24	3217-6	1	Nut-Hex



Gear Pump Installation Assembly

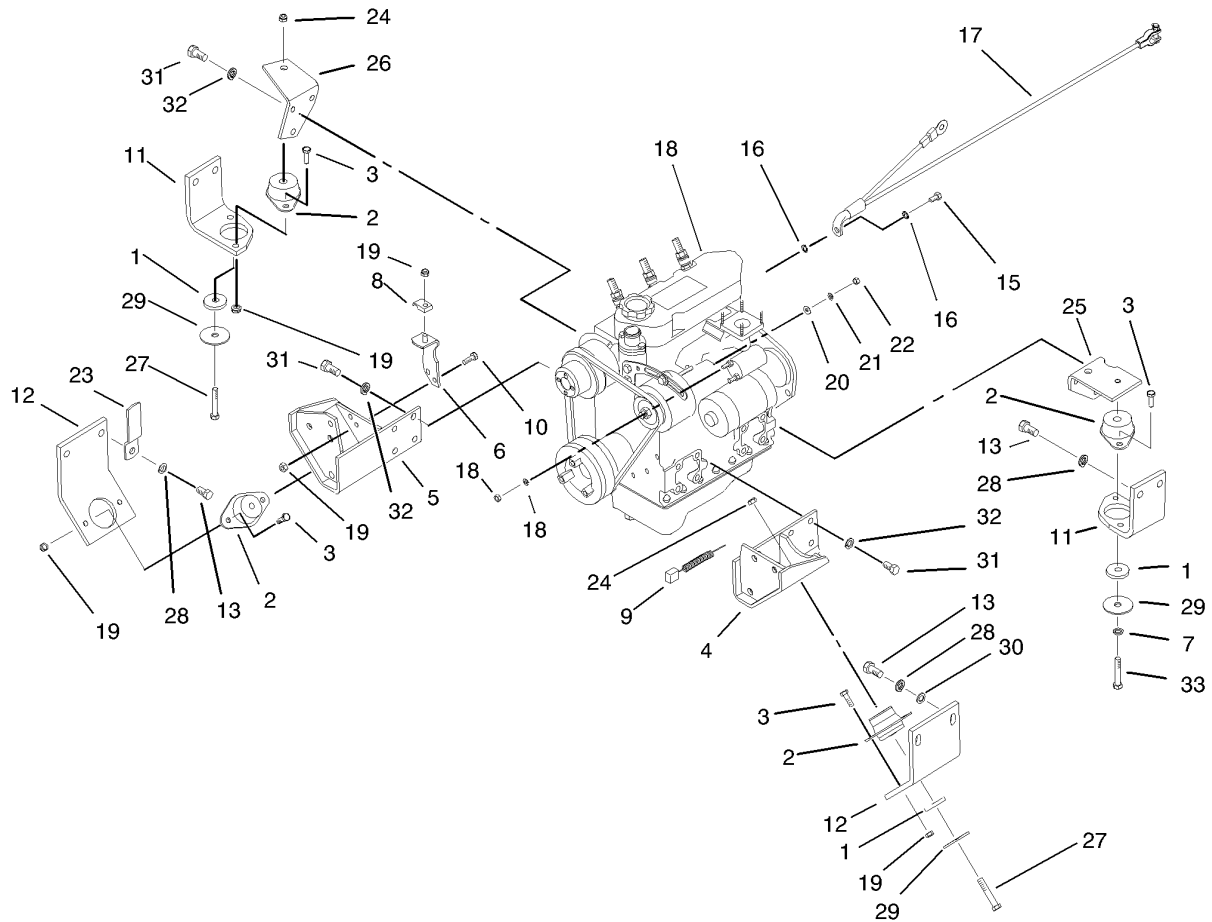
Ref	Part No.	Qty.	Description				
1	2412-34	1	Clamp-Hose				
2	323-12	2	Screw-HH				
3	3253-5	2	Washer-Lock				
4	93-3604	1	Gasket				
5	93-1396	1	Coupler				
6	354-78	1	Connector-Hose				
6:1	237-146	1	O-Ring				
7	75-4400-03	1	Adaptor				
8	237-163	1	O-Ring				
9	93-3642	1	Tube-Pump, Port 1				
10	93-3643	1	Tube-Pump, Port 2				
11	340-4	2	Fitting-Hyd, Sraight				
11:1	237-30	1	O-Ring				
11:2	237-79	1	O-Ring				
12	340-3	1	Adapter				
12:1	237-22	1	O-Ring				
12:2	237-79	1	O-Ring				
13	98-9796	1	Pump-Gear				



Gear Pump Assembly No. 98-9796

Ref	Part No.	Qty.	Description
1		1	Ring-Retaining
2		1	Seal-Shaft
3		1	Flange
4	93-4278	4	Pin-Dowel
5		1	Housing
6		2	O-Ring
7		1	Gear-Idler
8		1	Gear-Drive
9	93-4280	2	Coupling
10		2	Bearing
11		2	E-Seal
12		2	Ring-Backup
13	93-4279	2	Plate-Distance
14		1	Housing
15		1	Gear-Idler
16		1	Gear-Idler
17	93-4283	4	Bolt
18	93-4282	1	Block-Valve
19	93-4277	1	Valve Kit
20		1	Gear-Idler
21		1	Housing
22	93-4281	4	Pin-Dowel
23	93-4268	1	Flange Kit
24	98-9798	1	Section 1 Housing Kit

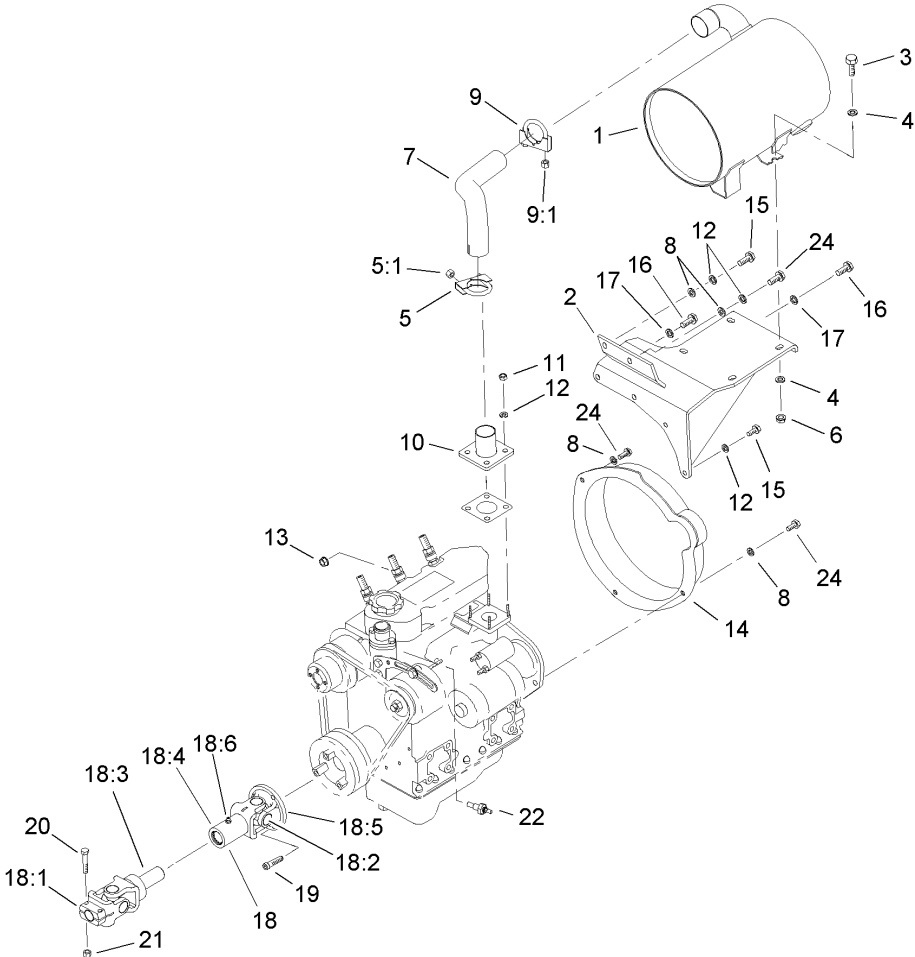
Ref	Part No.	Qty.	Description
25	98-9797	1	Section 2 Housing Kit
26	98-9799	1	Section 3 Housing Kit
27	99-8353	1	Individual Pieces Kit



Engine Installation Assembly

Ref	Part No.	Qty.	Description
1	83-1050	4	Spacer
2	83-1030	4	Mount-Engine
3	322-5	8	Screw-HH
4	98-4539-03	1	Bracket-Engine Mount, LH
5	98-4543-03	1	Bracket-Engine Mount, RH
6	98-9749	1	Plate-Throttle
7	3253-21	1	Washer-Lock
8	3-6657	1	Clip-Skid
9	99-3441	1	Harness-Wire, Fusible Link
10	322-4	2	Screw-HH
11	98-4513-03	2	Bracket-Engine, Rear
12	93-0095-03	2	Bracket-Engine, Front
13	3213-2	8	Screw-HH
15	98-9322	1	Bolt-Hh, Metric
16	3255-9	2	Washer-Lock, Ext
17	98-4598	1	Cable-Battery, Negative
18	106-7058	1	Engine-Kubota
19	3296-29	11	Nut-Lock, NI
20	3256-78	1	Washer-Flat
21	43-5930	1	Washer-Spring
22	48-7890	1	Nut
23	98-4594	1	Clamp-Retainer
24	32128-36	3	Nut-HF
25	98-4515-03	1	Bracket-Rear Engine, LH

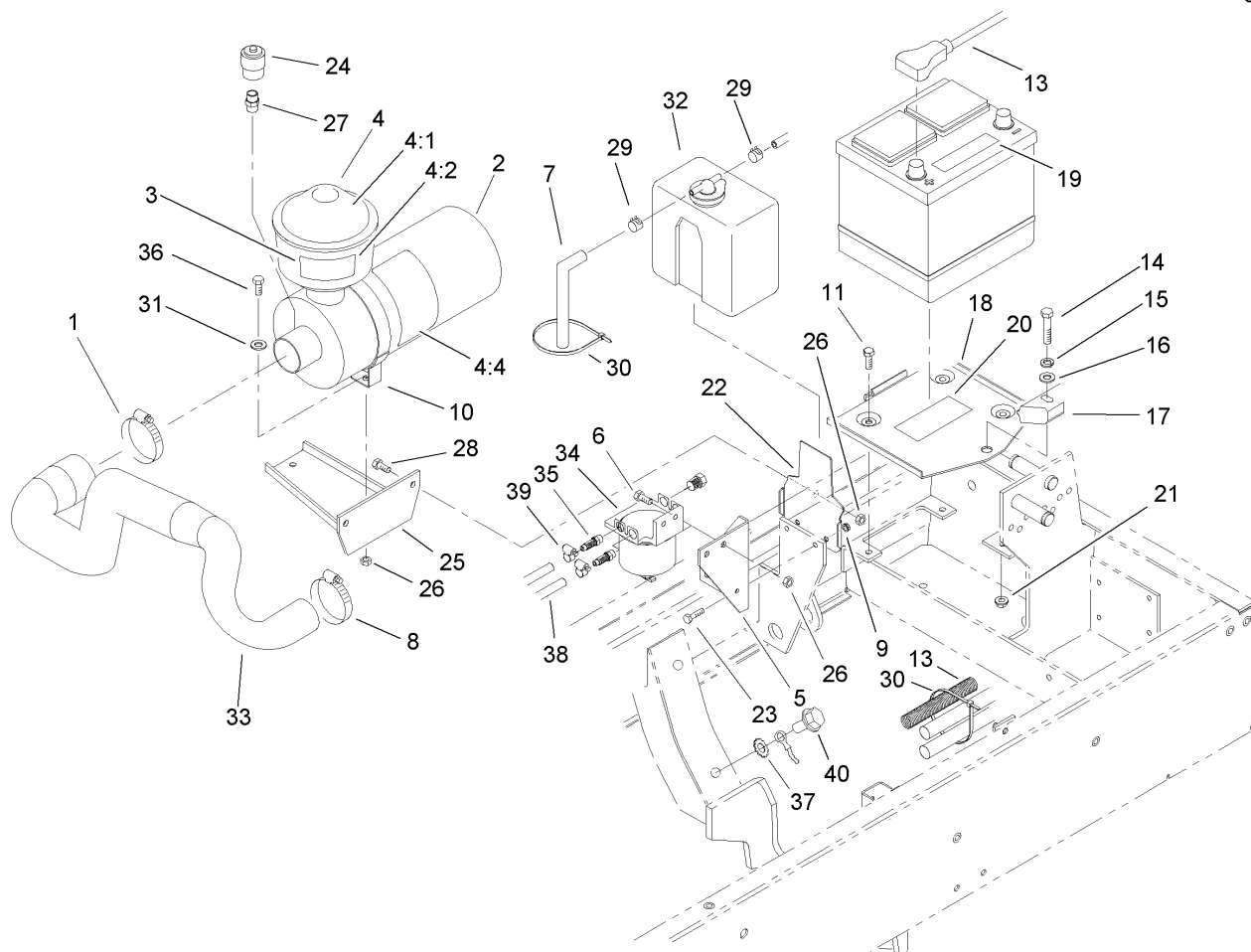
Ref	Part No.	Qty.	Description
26	98-4514-03	1	Bracket-Rear Engine, RH
27	323-12	3	Screw-HH
28	3253-7	8	Washer-Lock
29	87-5100	4	Washer-Snubbing
30	3256-40	4	Washer-Flat
31	43-0090	14	Screw-HH
32	42-9600	14	Lockwasher-Spring
33	323-10	1	Screw-HH



Muffler and Pump Drive Assembly

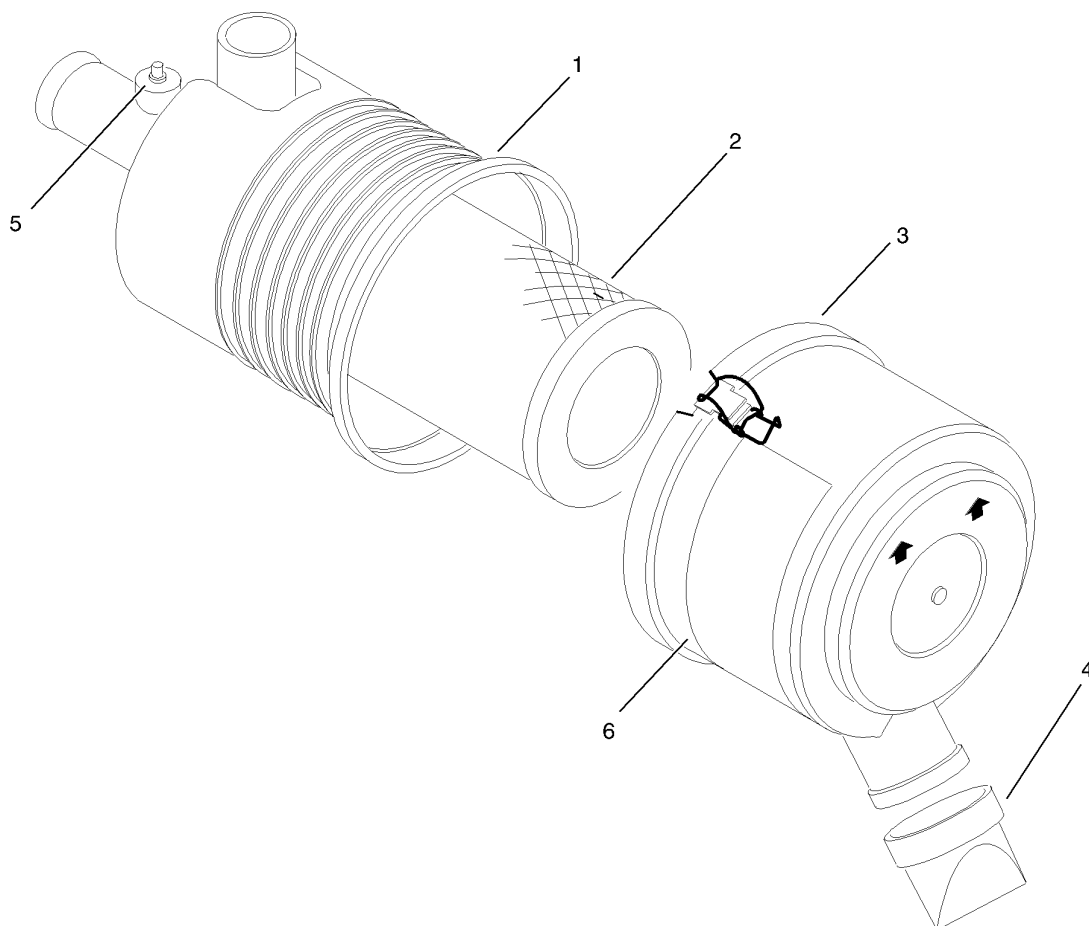
Ref	Part No.	Qty.	Description
1	107-2379	1	Muffler-Exhaust
2	98-4555-03	1	Bracket-Muffler
3	323-7	4	Screw-HH
4	3256-4	8	Washer-Flat
5	2112-9	1	Clamp
5:1	32128-20	2	Nut-HF
6	3296-39	4	Nut-Lock, NI
7	98-4524	1	Tube-Exhaust
8	3256-23	5	Washer-Flat
9	2112-6	1	Clamp-Muffler
9:1	3218-2	2	Nut-Jam
10	98-4527	1	Pipe-Exhaust, Engine
11	33014-00	4	Nut-Hex
12	42-9850	7	Washer-Lock, Spring
13	33024-00	1	Nut-Lock
14	105-7505	1	Guard-Flywheel
15	33114-025	2	Screw-HH
16	43-0090	2	Screw-HH
17	42-9600	2	Lockwasher-Spring
18	98-4593	1	Driveshaft ASM
18:1	54-9040	1	Yoke-End
18:2	98-9766	2	Universal Joint Kit
18:3	98-9765	1	Yoke And Shaft
18:4	98-9767	1	Tube-Yoke

Ref	Part No.	Qty.	Description
18:5	98-9769	1	Flange-Yoke
18:6	302-5	3	Fitting-Grease
19	98-9322	3	Bolt-Hh, Metric
20	322-9	2	Screw-HH
21	3296-29	2	Nut-Lock, NI
22	98-9346	1	Sender-Temperature
24	33114-020	4	Screw-HH



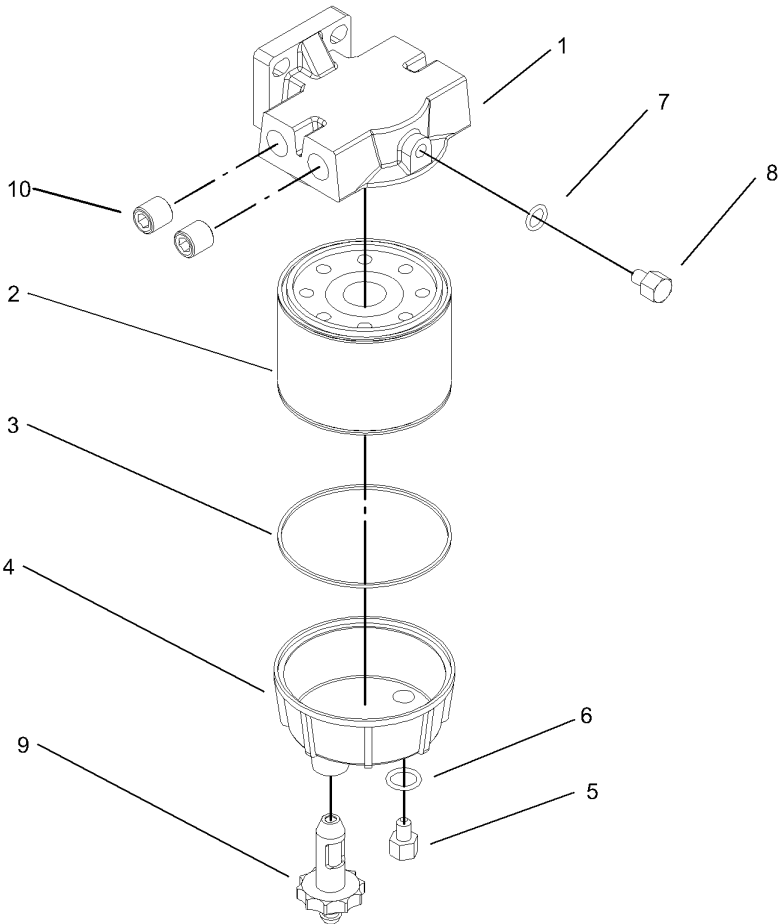
Engine Components Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	2412-42	1	Clamp-Hose	22	98-4576-03	1	Bracket-Reservoir, Water
2	98-4517	1	Air Cleaner ASM	23	321-5	2	Screw-HH
3	93-6692	1	Decal-Fluid, Starting	24	93-9164	1	Indicator-Mini
4	48-7430	1	Precleaner	25	98-4518-03	1	Bracket-Cleaner, Air
4:1	33-1260	1	Cover ASM	26	3296-29	6	Nut-Lock, NI
4:2	33-1270	1	Bowl-Clear	27	94-1416	1	Indicator Adapter ASM
4:3	62-6300	1	Sleeve ASM	28	322-5	2	Screw-HH
4:4	94-6873	1	Clamp	29	92-2379	2	Clamp-Hose
5	98-4578-03	1	Bracket-Filter, Fuel	30	3290-378	2	Tie-Cable
6	3234-29	2	Screw-HHF	31	3256-23	2	Washer-Flat
7	63-7630	1	Hose-Fuel	32	104-9318	1	Bottle-Overflow
8	2412-92	1	Clamp-Hose	33	98-4509	1	Hose-Cleaner, Air
9	32128-33	2	Nut-HF	34	98-9305	1	Water/fuel Filter ASM
10	98-4525	1	Bracket-Cleaner, Air	35	353-783	2	Fitting
11	322-4	3	Screw-HH	36	322-6	2	Screw-HH
13	104-0086	1	Cable-Battery, Positive	37	3255-8	1	Washer-Lock
14	323-9	1	Screw-HH	38	63-7622	1	Hose-Fuel
15	3253-21	1	Washer-Lock	39	2412-108	4	Clamp-Worm
16	3256-24	1	Washer-Flat	40	32144-14	1	Screw-HWH
17	66-2490	1	Retainer-Battery	99	3290-379	1	Tie-Cable
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				



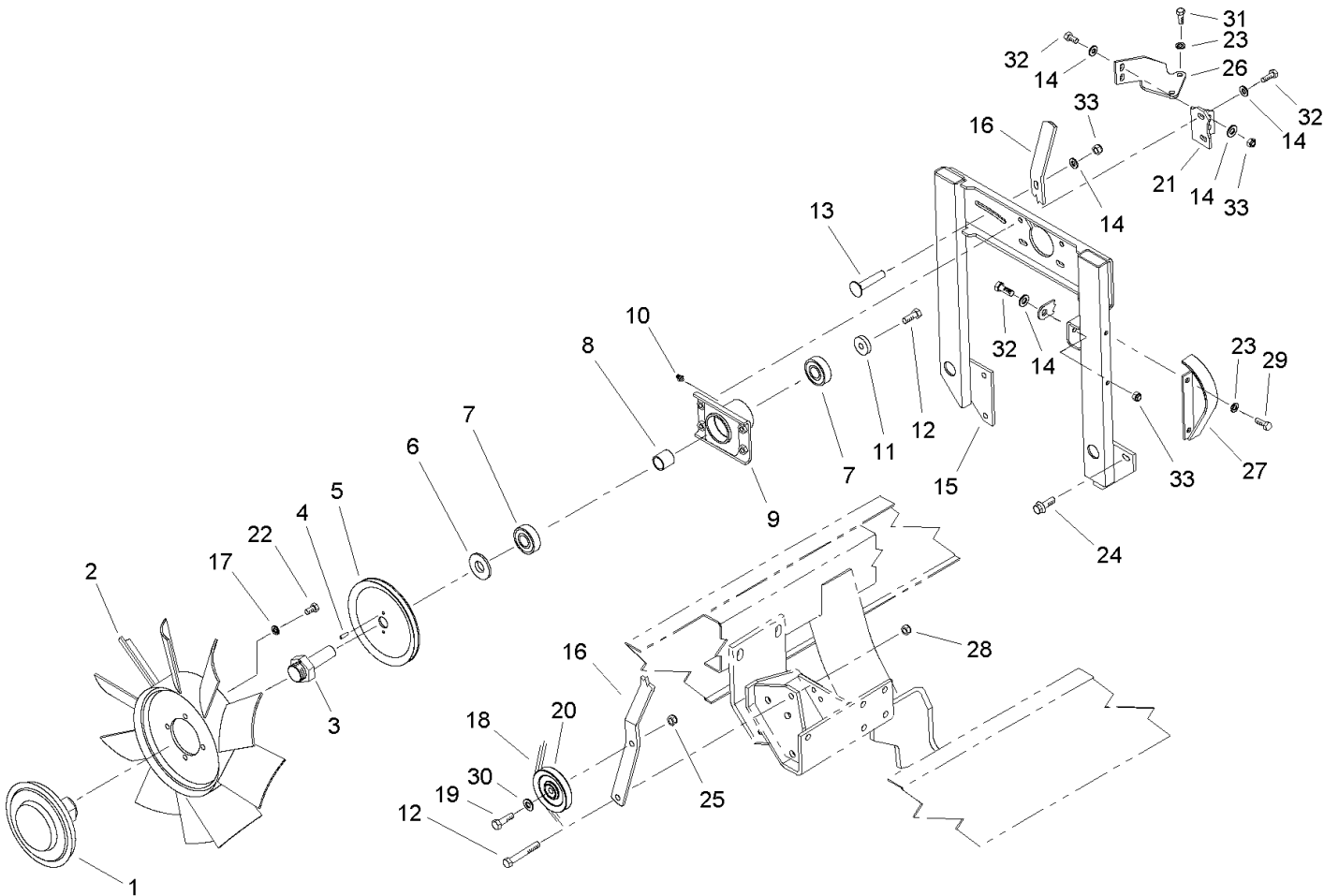
Air Cleaner Assembly No. 98-4517

Ref	Part No.	Qty.	Description
1		1	Body ASM
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



Water and Fuel Filter Assembly No. 98-9305

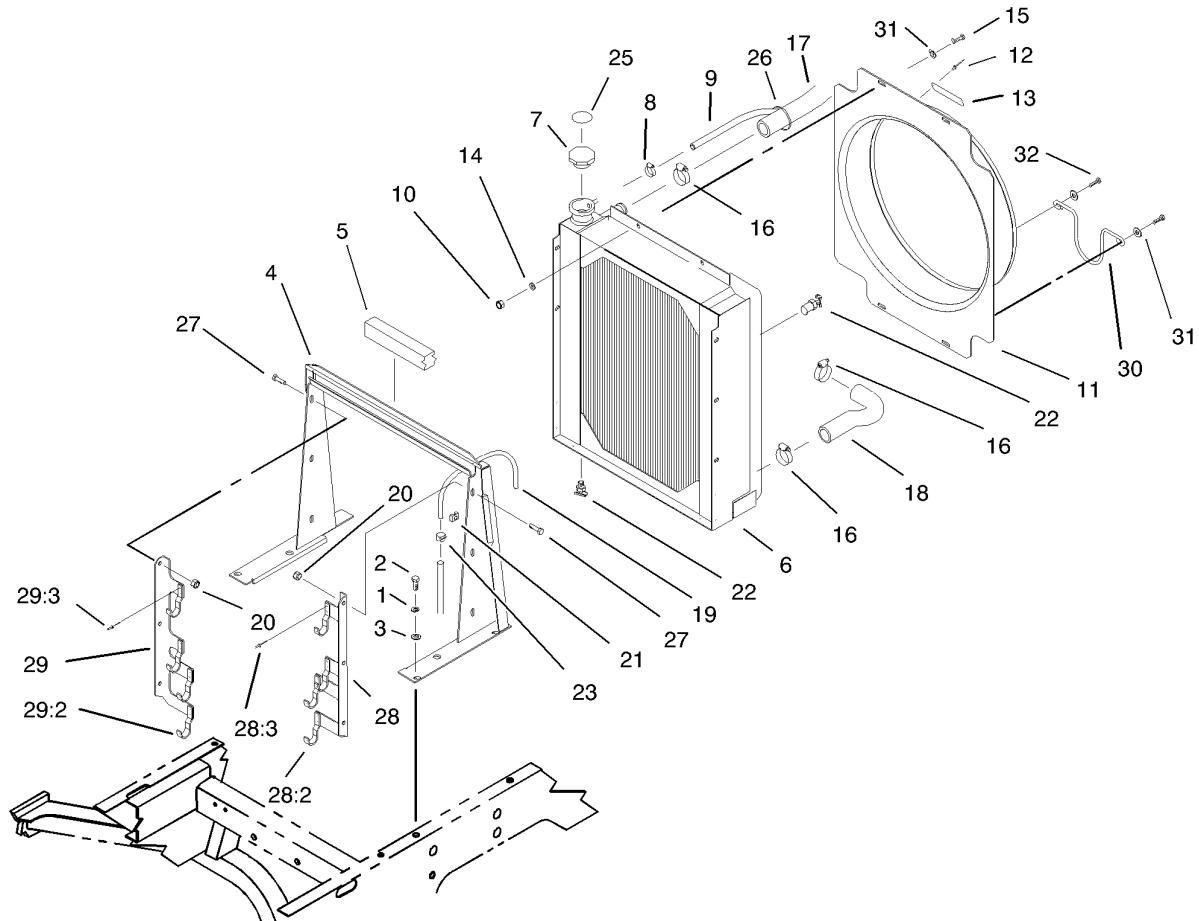
Ref	Part No.	Qty.	Description				
1	98-9772	1	Head-Filter				
2	98-9764	1	Element				
3	98-9774	1	O-Ring-Base, Filter				
4	98-9775	1	Base-Filter				
5	98-9773	1	Plug-Base, Filter				
6	237-42	1	O-Ring				
7	237-78	1	O-Ring				
8	98-9776	1	Plug-Head, Filter				
9	98-9777	1	Drain Valve ASM				
10	285-22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



Fan Drive Assembly

Ref	Part No.	Qty.	Description
1	74-5520	1	Clutch-Fan
2	75-3780	1	Fan-Engine
3	75-6380	1	Shaft-Fan
4	104-9312	2	Pin-Grooved
5	98-9743	1	Pulley-Drive, Fan
6	104-9259	1	Washer-Thrust
7	251-318	2	Bearing
8	104-0001	1	Spacer
9	75-4450-03	1	Hub
10	302-2	1	Fitting-Grease
11	67-1630	1	Spacer
12	323-6	2	Screw-HH
13	3230-2	1	Bolt-CARR
14	3256-23	9	Washer-Flat
15	98-4530-03	1	Support-Fan
16	98-4575-03	1	Lever-Idler, Fan
17	3253-4	4	Washer-Lock
18	98-9744	1	Belt-Fan
19	323-8	1	Screw-HH
20	63-8140	1	Pulley-Idler
21	98-9740	1	Bracket-Fan, Support
22	322-2	4	Screw-HH
23	42-9850	4	Washer-Lock, Spring
24	3234-29	6	Screw-HHF

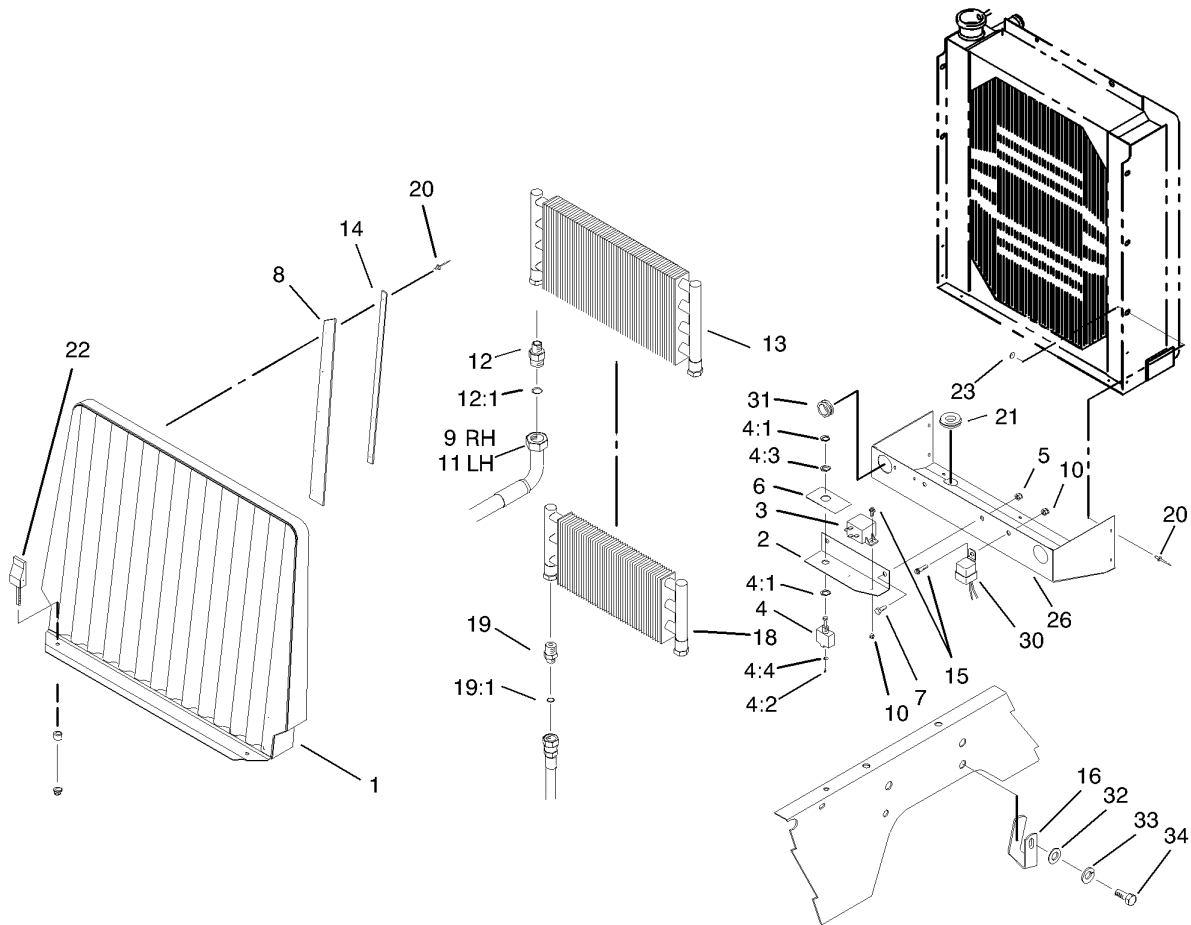
Ref	Part No.	Qty.	Description
25	3296-59	1	Nut-Lock, NI
26	98-9741	1	Bracket-Mount, Fan
27	98-4561-03	1	Shield-Alternator
28	3296-39	1	Nut-Lock, NI
29	32144-14	2	Screw-HWH
30	80-6990	1	Washer-Hardened
31	33114-016	2	Screw-HH
32	322-4	7	Screw-HH
33	3296-29	4	Nut-Lock, NI



Radiator Assembly

Ref	Part No.	Qty.	Description
1	3253-4	4	Washer-Lock
2	322-5	4	Screw-HH
3	3256-23	4	Washer-Flat
4	98-9317-03	1	Support-Radiator
5	93-0005	1	Strip-Foam, Radiator Top
6	98-4507	1	Radiator
7	66-3240	1	Cap-Radiator
8	92-2379	1	Clamp-Hose
9	75-2851	1	Hose-Fuel
10	3296-42	4	Nut-Lock, NI
11	98-4571	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	98-4511	1	Hose-Radiator, Upper
18	98-4508	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-Warning

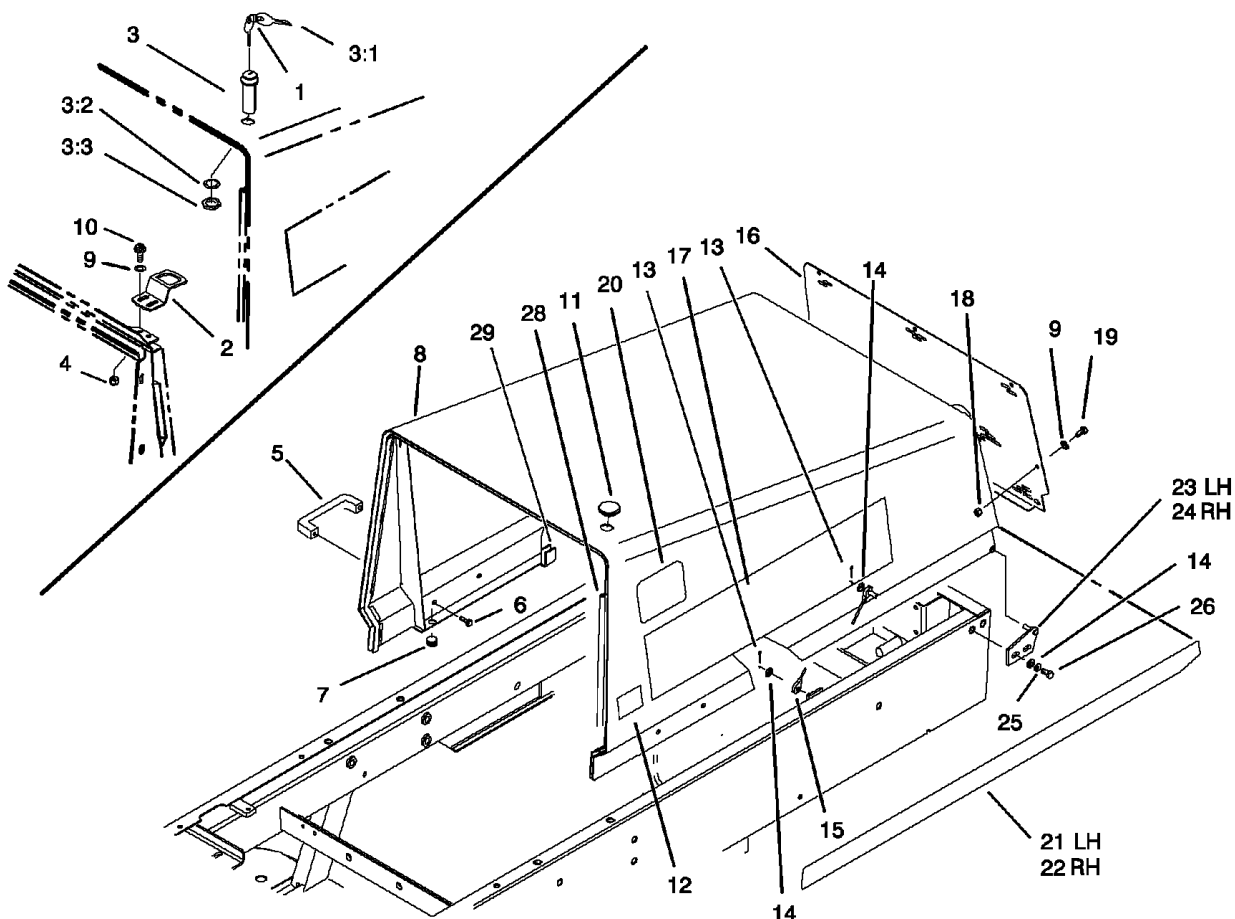
Ref	Part No.	Qty.	Description
26	3290-379	1	Tie-Cable
27	3234-5	6	Screw
28	99-6991	1	LH Cooler Mount ASM
28:2	75-0930	4	Hook-Mount, Cooler
28:3	3269-15	8	Rivet
29	99-6994	1	RH Cooler Mount ASM
29:2	75-0930	4	Hook-Mount, Cooler
29:3	3269-15	8	Rivet
30	104-1448	1	Hoop-Driveline
31	3256-55	4	Washer-Flat
32	321-6	2	Screw-HH



Oil Cooler/Radiator Assembly

Ref	Part No.	Qty.	Description
1	93-0032-03	1	Housing-Screen, Front
2	75-3390-03	1	Bracket-Backlap
3	66-8800	1	Relay
4	99-8352	1	Switch-Backlap, Master
4:1	218-498	2	Locknut
4:2	218-588	3	Screw
4:3	218-589	1	Nut And Lockwasher ASM
4:4	3253-19	3	Washer-Lock
5	3296-29	2	Nut-Lock, NI
6	93-6684	1	Decal-Backlap
7	322-2	2	Screw-HH
8	93-3623	2	Strip-Sealing, Radiator
9	93-0077	1	Hose ASM
10	3296-42	3	Nut-Lock, NI
11	93-0078	1	Hose ASM
12	92-4999	2	Fitting
12:1	237-65	1	O-Ring
13	75-1040	1	Cooler-Oil
14	93-3624-03	2	Plate-Retaining
15	321-4	3	Screw-HH
16	98-3928	2	Clamp-Hose
18	24-0760	1	Cooler ASM
19	340-124	2	Adapter
19:1	237-22	1	O-Ring

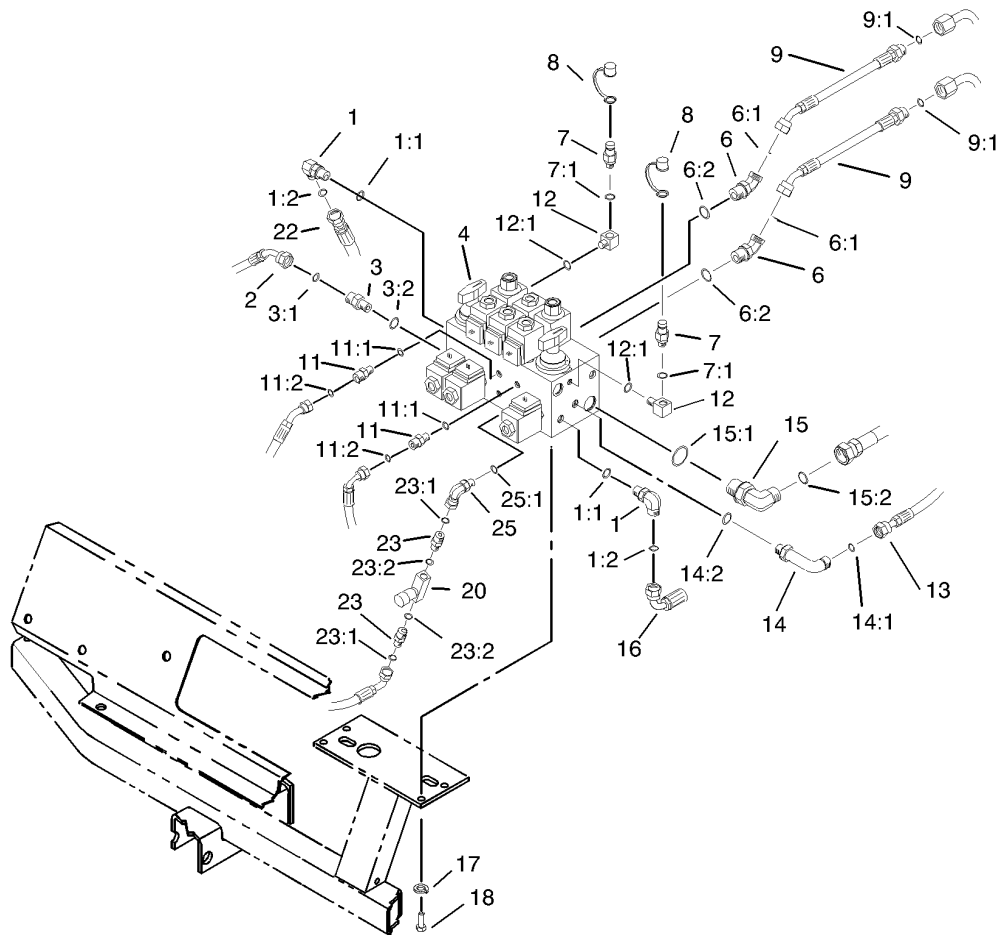
Ref	Part No.	Qty.	Description
20	3269-13	15	Rivet-Pop
21	100-3815	2	Grommet-Rubber
22	93-1374	2	Latch-Swell
23	3269-10	5	Washer-Back
26	104-9257-03	1	Shield-Radiator
30	70-1480	1	Relay
31	240-3	2	Grommet-Rubber
32	3256-26	2	Washer-Flat
33	3253-7	2	Washer-Lock
34	325-5	2	Screw-HH



Hood Assembly

Ref	Part No.	Qty.	Description
1	98-9321	1	Ring-Key
2	98-9316	1	Latch-Hood
3	98-9315	1	Latch-Locking
3:1	99-8350	2	Key-Latch, Locking
3:2		1	Washer-Switch
3:3		1	Nut-Switch
4	3296-16	2	Nut-Lock, NI
5	65-5100	2	Handle-Door
6	46-8091	4	Screw-HWH
7	237-141	2	Grommet-Rubber
8	98-9746	1	Hood ASM
9	3256-1	9	Washer-Flat
10	321-4	2	Screw-HH
11	98-9314	1	Grommet
12	93-7252	1	Decal
13	3272-4	2	Pin-Cotter
14	3256-23	6	Washer-Flat
15	75-0570	1	Cable-Hood
16	98-4573-03	1	Screen-Hood, Rear
17	106-7062	2	Decal
18	3296-42	7	Nut-Lock, NI
19	321-39	7	Screw-HH
20	66-6140	2	Decal
21	92-5751	1	Decal-Hood, LH

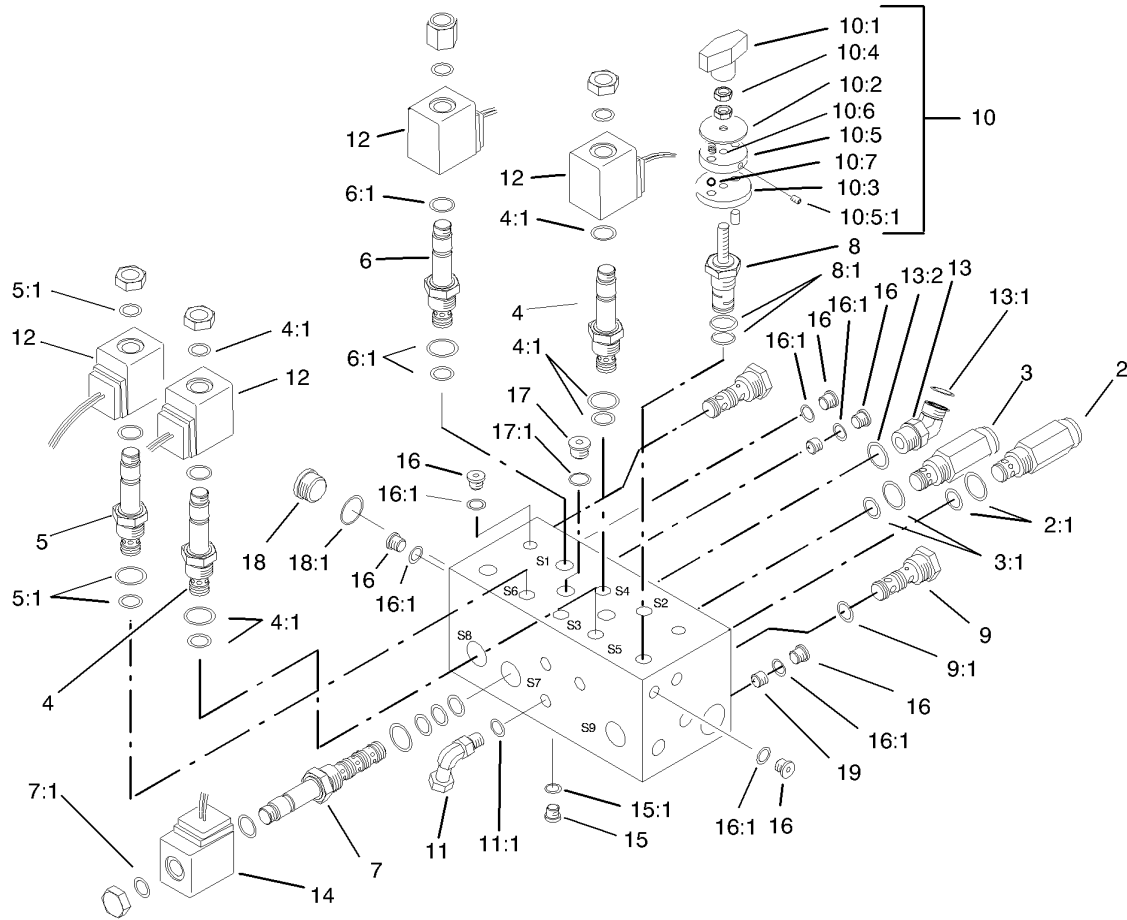
Ref	Part No.	Qty.	Description
22	92-5752	1	Decal-Hood, RH
23	63-6900-01	1	LH Hood Hinge Plate ASM
24	63-6890-01	1	RH Hood Hinge Plate ASM
25	3253-4	4	Washer-Lock
26	322-5	4	Screw-HH
28	93-0081	1	Strip-Seal
29	99-8975	1	Strip-Seal



Hydraulic Control Block and Hose Assembly

Ref	Part No.	Qty.	Description
1	340-98	2	Fitting-Hyd, 90 DEG
1:1	237-79	1	O-Ring
1:2	237-30	1	O-Ring
2	100-3879	1	HYD Hose ASM
3	340-4	1	Fitting-Hyd, Sraight
3:1	237-30	1	O-Ring
3:2	237-79	1	O-Ring
4	98-4579	1	HYD Manifold ASM
6	340-101	2	Fitting-Hyd, 90 DEG
6:1	237-30	1	O-Ring
6:2	237-79	1	O-Ring
7	354-77	2	Fitting-Quick
7:1	237-78	1	O-Ring
8	354-79	2	Cap-Dust
9	86-9190	2	Hose
9:1	237-30	1	O-Ring
11	340-92	2	Fitting-Hyd, Straight
11:1	237-78	1	O-Ring
11:2	237-21	1	O-Ring
12	75-6640	2	Fitting-Hyd, Special
12:1	237-78	1	O-Ring
13	98-9348	1	HYD Hose ASM
14	98-9781	1	Fitting-Hyd, 90 DEG
14:1	237-30	1	O-Ring

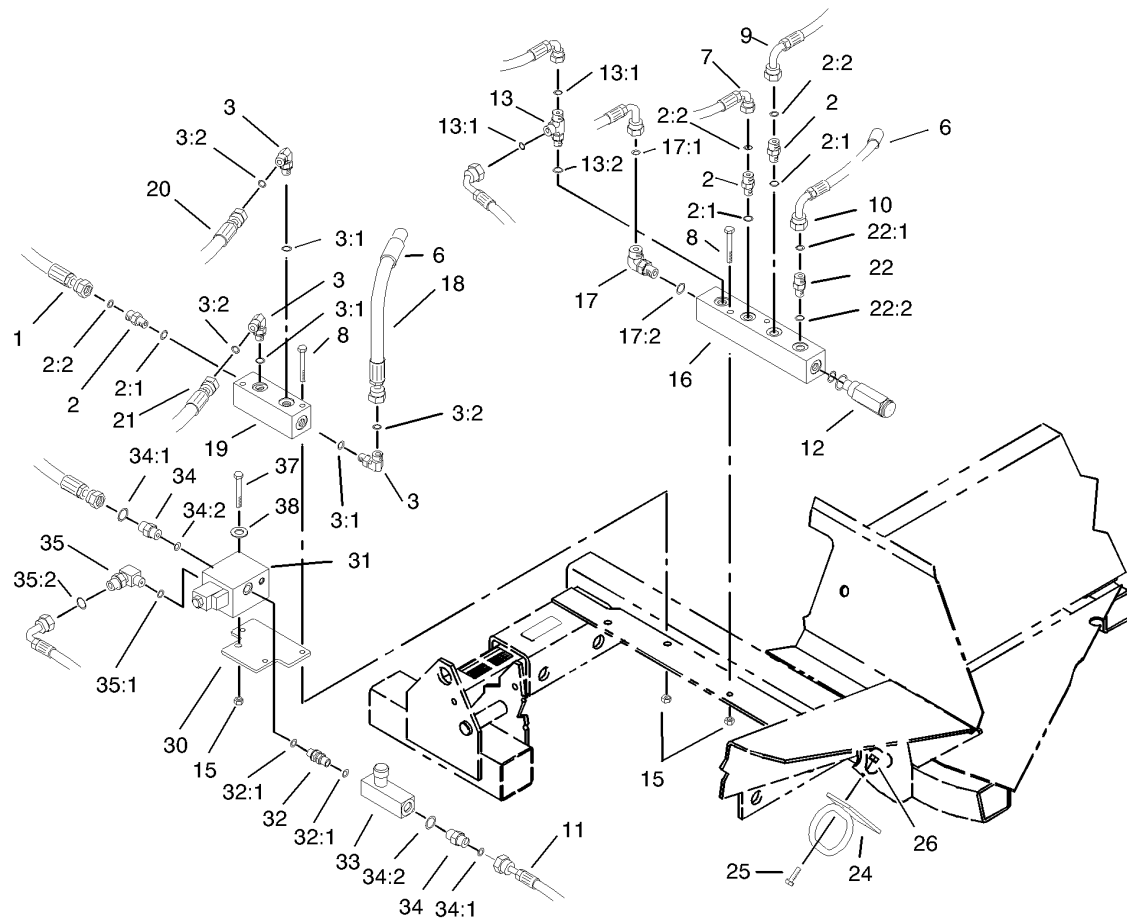
Ref	Part No.	Qty.	Description
14:2	237-79	1	O-Ring
15	340-139	1	Fitting-Hyd, 90 DEG
15:1	237-81	1	O-Ring
15:2	237-65	1	O-Ring
16	98-9347	1	HYD Hose ASM
17	3253-4	4	Washer-Lock
18	322-3	4	Screw-HH
20	98-9742	1	Valve-Control, Flow
22	100-3878	1	HYD Hose ASM
23	340-1	2	Adapter
23:1	237-21	1	O-Ring
23:2	237-42	1	O-Ring
24	3290-378	1	Tie-Cable
25	340-143	1	Elbow-Swivel, 90 DEG
25:1	237-78	1	O-Ring



Hydraulic Manifold Assembly No. 98-4579

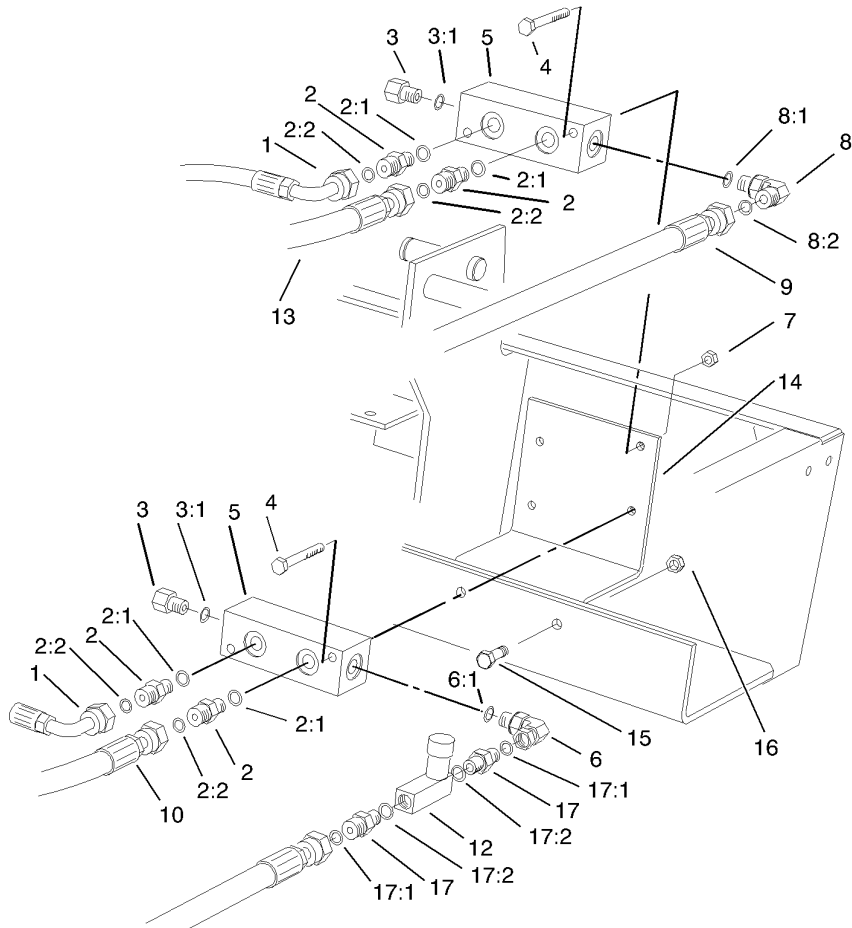
Ref	Part No.	Qty.	Description
2	75-2010	1	Cartridge-Relief, Da
2:1	95-5645	1	Seal Kit
3	75-0920	1	Cartridge-Relief
3:1	95-5645	1	Seal Kit
4	94-2685	3	Cartridge-N.c., Spool
4:1	95-5645	1	Seal Kit
5	92-6315	1	Cartridge-N.c., Poppet
5:1	104-0004	1	Cartridge Seal Kit
6	88-7020	2	Cartridge-N.o., Spool
6:1	95-5645	1	Seal Kit
7	88-6960	3	Cartridge
7:1	95-5642	1	Seal Kit
8	98-9779	2	Cartridge-Flow
8:1	95-5645	1	Seal Kit
9	69-4120	2	Cartridge-Logic
9:1	69-4240	1	Seal Kit
10	94-3660	1	Detent Kit
10:1	94-5020	1	Knob ASM
10:2	94-5025	1	Plate-Locating
10:3	94-5026	1	Plate-Indicator
10:4	3218-1	2	Nut-Jam
10:5	94-5023	1	Plate-Detent
10:5:1	3245-36	1	Screw-HSH
10:6	94-5027	2	Spring

Ref	Part No.	Qty.	Description
10:7	255-13	2	Ball-Steel, Stainless
11	340-143	1	Elbow-Swivel, 90 DEG
11:1	237-78	1	O-Ring
12	88-9190	6	Solenoid Coil Kit
13	340-101	1	Fitting-Hyd, 90 DEG
13:1	237-30	1	O-Ring
13:2	237-79	1	O-Ring
14	88-9200	3	Coil-Solenoid
15	106-1024	10	Plug-Leak, Zero
15:1	237-156	1	O-Ring
16	106-1025	15	Plug-Leak, Zero
16:1	237-78	1	O-Ring
17	106-1026	1	Plug-Leak, Zero
17:1	237-42	1	O-Ring
18	106-1028	1	Plug-Leak, Zero
18:1	237-80	1	O-Ring
19	95-5999	2	Plug-Orifice



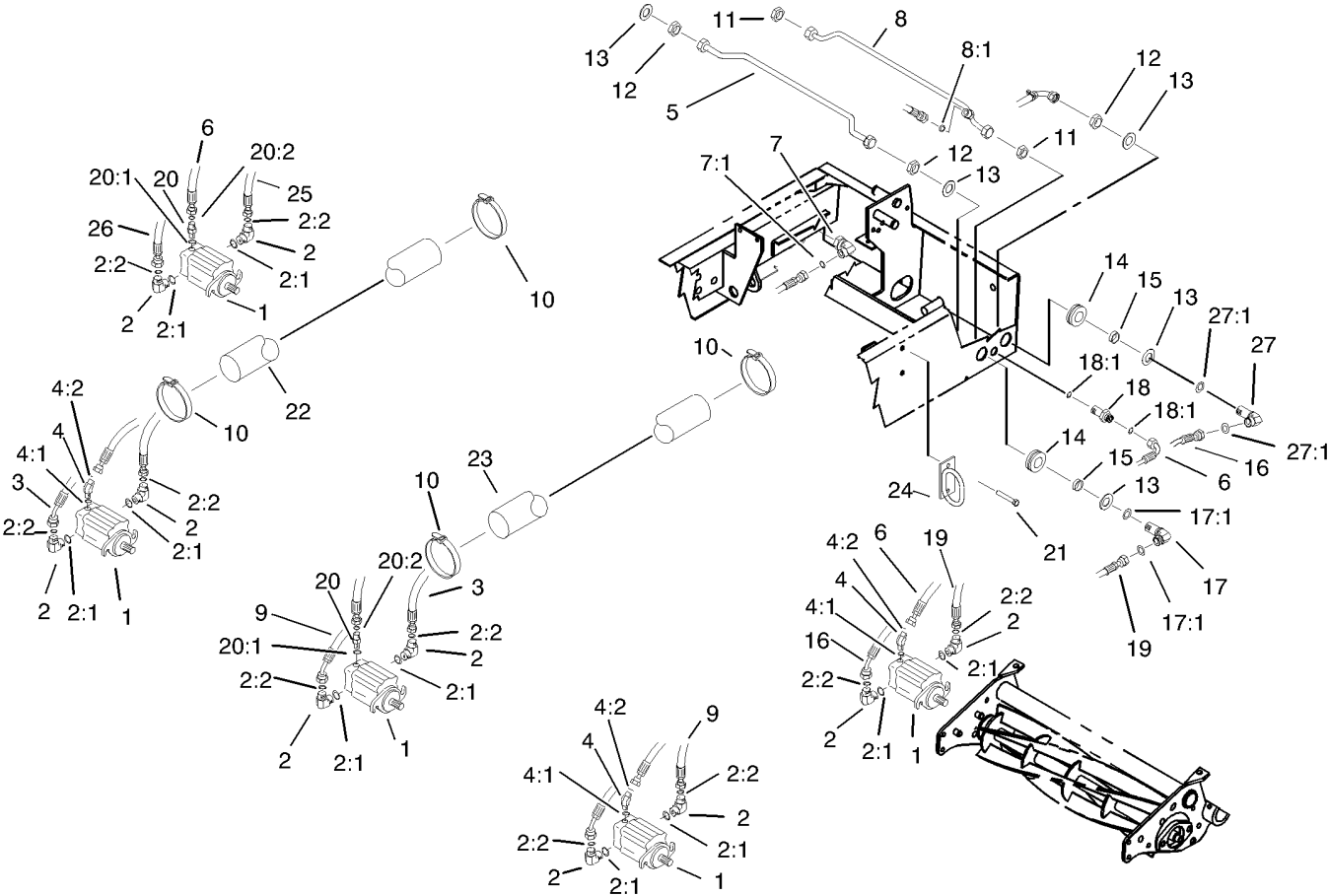
Front Hydraulic Manifold Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	98-4584	1	HYD Hose ASM	20	98-4587	1	HYD Hose ASM
2	340-92	3	Fitting-Hyd, Straight	21	104-9323	1	HYD Hose ASM
2:1	237-78	1	O-Ring	22	340-2	2	Fitting-Hyd, Straight
2:2	237-21	1	O-Ring	22:1	237-22	1	O-Ring
3	340-132	3	Fitting-Hyd, 90 DEG	22:2	237-42	1	O-Ring
3:1	237-78	1	O-Ring	24	104-0028	2	Guide-Hose
3:2	237-21	1	O-Ring	25	322-5	4	Screw-HH
6	38-3400	2	Guard-Rubber	26	3296-29	4	Nut-Lock, NI
7	75-5910	1	Hose	30	105-7510	1	Bracket-Mounting
8	321-18	4	Screw-HH	31	105-3303	1	Flow Divider Valve ASM
9	93-0118	1	Hose ASM	32	99-5644	1	Fitting-Sae
10	93-0119	1	Hose ASM	32:1	237-42	2	O-Ring
11	99-5643	1	Hose-HYD	33	98-9742	1	Valve-Control, Flow
12	93-0143	1	Cartridge-Relief, P.o.	34	340-1	2	Adapter
13	340-140	1	Adapter-Tee	34:1	237-21	1	O-Ring
13:1	237-21	2	O-Ring	34:2	237-42	1	O-Ring
13:2	237-78	1	O-Ring	35	340-82	1	Adapter
15	3296-42	6	Nut-Lock, NI	35:1	237-42	1	O-Ring
16	93-0139	1	Block-Manifold, 6 Port	35:2	237-21	1	O-Ring
17	340-77	1	Fitting-Hyd, 90 DEG	37	321-23	2	Screw-HH
17:1	237-22	1	O-Ring	38	3256-2	2	Washer-Flat
17:2	237-42	1	O-Ring				
18	92-9096	1	Hose				
19	75-1180	1	Block-Manifold, 4 Port				



Rear Hydraulic Manifold Assembly

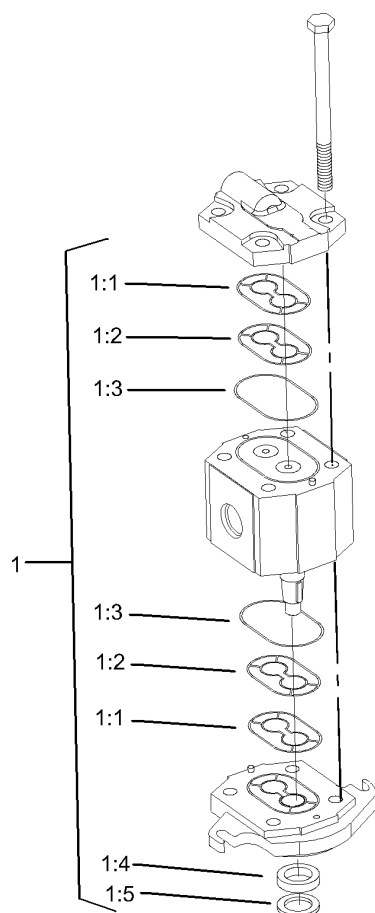
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	75-6180	2	Hose	18	3290-378	1	Tie-Cable
2	340-92	4	Fitting-Hyd, Straight				
2:1	237-78	1	O-Ring				
2:2	237-21	1	O-Ring				
3	353-512	2	Plug				
3:1	237-78	1	O-Ring				
4	321-11	4	Screw-HH				
5	75-1180	2	Block-Manifold, 4 Port				
6	340-143	1	Elbow-Swivel, 90 DEG				
6:1	237-78	1	O-Ring				
7	32128-33	4	Nut-HF				
8	340-132	1	Fitting-Hyd, 90 DEG				
8:1	237-78	1	O-Ring				
8:2	237-21	1	O-Ring				
9	93-0118	1	Hose ASM				
10	75-6080	1	Hose				
12	98-9742	1	Valve-Control, Flow				
13	75-6070	1	Hose				
14	94-4920-03	1	Plate-Mounting, Valve				
15	322-5	2	Screw-HH				
16	32128-20	2	Nut-HF				
17	340-1	2	Adapter				
17:1	237-21	1	O-Ring				
17:2	237-42	1	O-Ring				



Reel Motors Assembly

Ref	Part No.	Qty.	Description
1	100-6426	5	HYD Motor ASM
2	340-98	10	Fitting-Hyd, 90 DEG
2:1	237-79	1	O-Ring
2:2	237-30	1	O-Ring
3	104-9322	1	HYD Hose ASM
4	340-103	3	Fitting-Hyd, 45 DEG
4:1	237-78	1	O-Ring
4:2	237-21	1	O-Ring
5	94-4918	1	Tube ASM
6	98-4583	2	HYD Hose ASM
7	94-6031	1	Fitting-HYD
7:1	237-30	1	O-Ring
8	100-3714	1	Drain Tube ASM
8:1	237-21	1	O-Ring
9	104-9321	1	HYD Hose ASM
10	3290-379	10	Tie-Cable
11	340-70	2	Nut-Lock
12	340-127	4	Nut-Bulkhead
13	69-8930	8	Washer
14	240-5	4	Grommet
15	69-8960	4	Spacer
16	100-3876	1	HYD Hose ASM
17	93-9151	3	Fitting-HYD
17:1	237-30	2	O-Ring

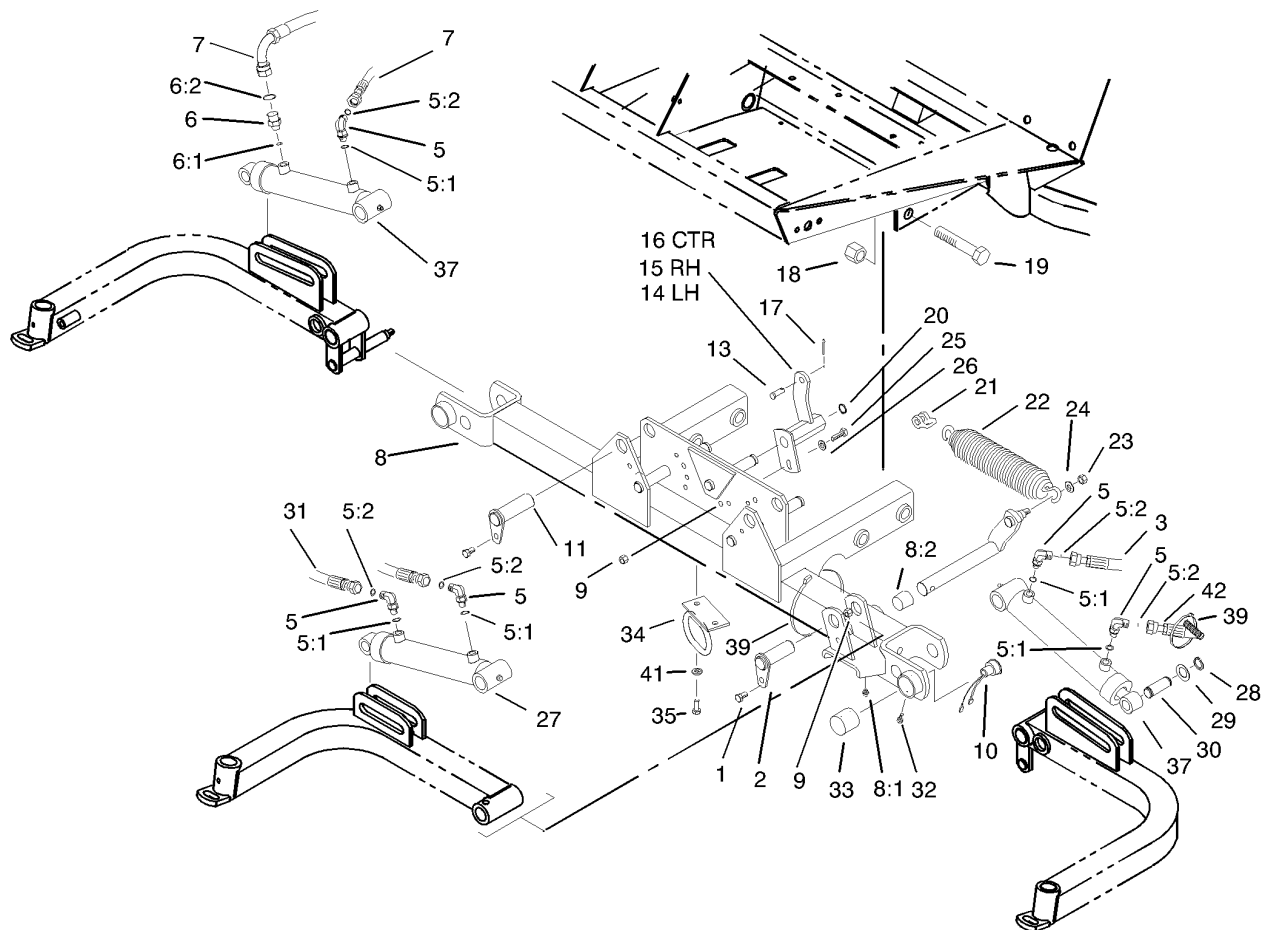
Ref	Part No.	Qty.	Description
18	340-71	2	Fitting-Straight, Bulkhead
18:1	237-22	2	O-Ring
19	100-3877	1	HYD Hose ASM
20	340-92	2	Fitting-Hyd, Straight
20:1	237-78	1	O-Ring
20:2	237-21	1	O-Ring
21	32104-32	4	Screw-HH
22	99-5648	4	Sleeve-Protective
23	99-5617	1	Sleeve-Protective
24	104-0028	2	Guide-Hose
25	104-0057	1	HYD Hose ASM
26	104-0069	1	HYD Hose ASM
27	100-3713	1	Fitting-Hyd, 90 DEG
27:1	237-30	2	O-Ring



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

Hydraulic Motor Assembly No. 100-6426

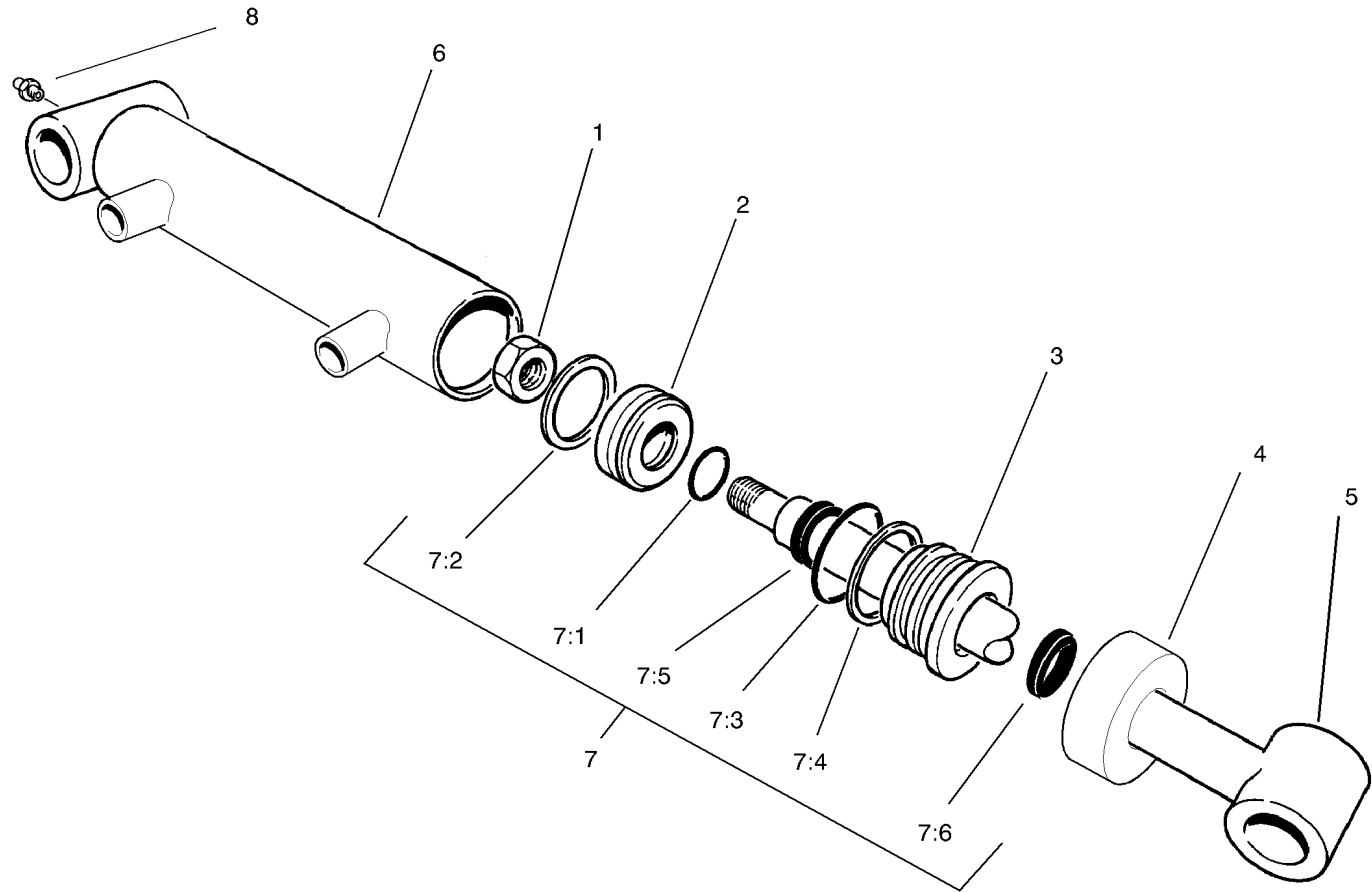
Ref	Part No.	Qty.	Description
1	105-9758	1	Seal Kit
②1:1		2	Seal-Extrusion, Anti
②1:2		2	Seal-Pressure
②1:3		2	O-Ring
②1:4		1	Seal-Shaft
②1:5		1	Washer-Backup



Front Lift Circuit Assembly

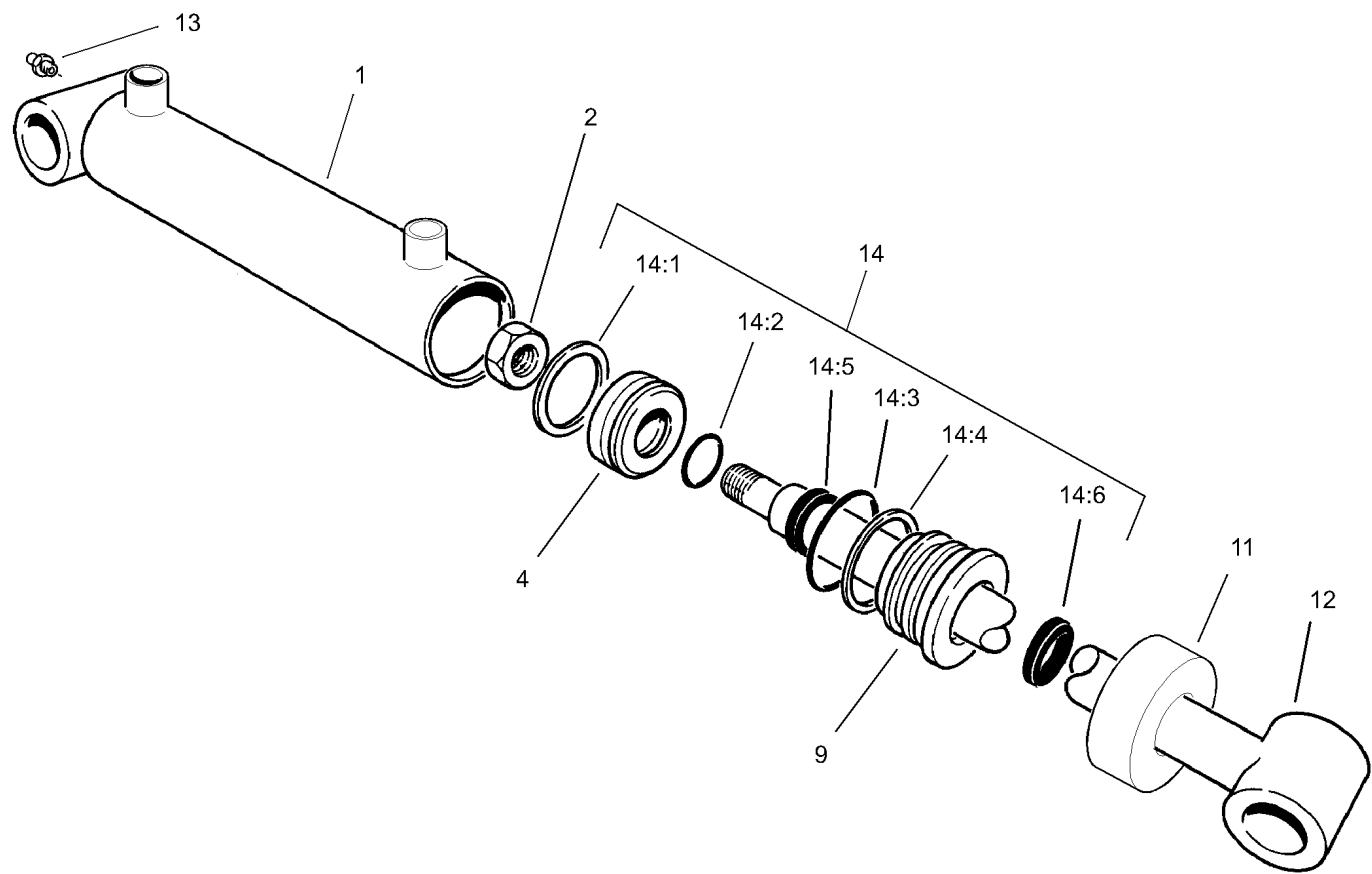
Ref	Part No.	Qty.	Description
1	32144-14	3	Screw-HWH
2	106-9208	1	Short Cylinder Pin ASM
3	99-5643	1	Hose-HYD
5	340-132	5	Fitting-Hyd, 90 DEG
5:1	237-78	1	O-Ring
5:2	237-21	1	O-Ring
6	340-92	1	Fitting-Hyd, Straight
6:1	237-78	1	O-Ring
6:2	237-21	1	O-Ring
7	99-5641	2	Hose-HYD
8	94-5808	1	Frame-Carrier
8:1	302-5	1	Fitting-Grease
8:2	67-1750	2	Bushing
9	3296-29	4	Nut-Lock, NI
10	92-8002	1	Switch-Lift, Back Biased
11	105-9889	2	Cylinder Pin ASM
12	3290-379	4	Tie-Cable
13	283-6	3	Pin-Clevis
14	75-5220-03	1	Bracket-Spring, LH
15	75-5200-03	1	Bracket-Spring, RH
16	75-5210-03	1	Bracket-Spring, Center
17	3272-10	3	Pin-Cotter
18	3296-51	4	Nut-Lock, NI
19	328-7	4	Screw-HH

Ref	Part No.	Qty.	Description
20	32151-48	3	E-Ring
21	282-4	3	Shackle
22	5-0743-03	3	Spring-Mower
23	3296-44	3	Nut-Lock, NI
24	3256-24	3	Washer-Flat
25	322-5	3	Screw-HH
26	3256-23	3	Washer-Flat
27	93-9310	1	Cylinder-HYD
28	32120-93	6	Ring-Retaining
29	3-6498	6	Washer-Thrust
30	104-0046	3	Pin-Slide, Cylinder
31	75-5900	1	Hose
32	32104-76	2	Screw
33	75-6370	1	Cap-Sensor
34	104-0028	1	Guide-Hose
35	322-5	2	Screw-HH
37	99-6986	2	Cylinder-HYD
39	3290-378	2	Tie-Cable
41	3253-4	2	Washer-Lock
42	99-5642	1	Hose-HYD



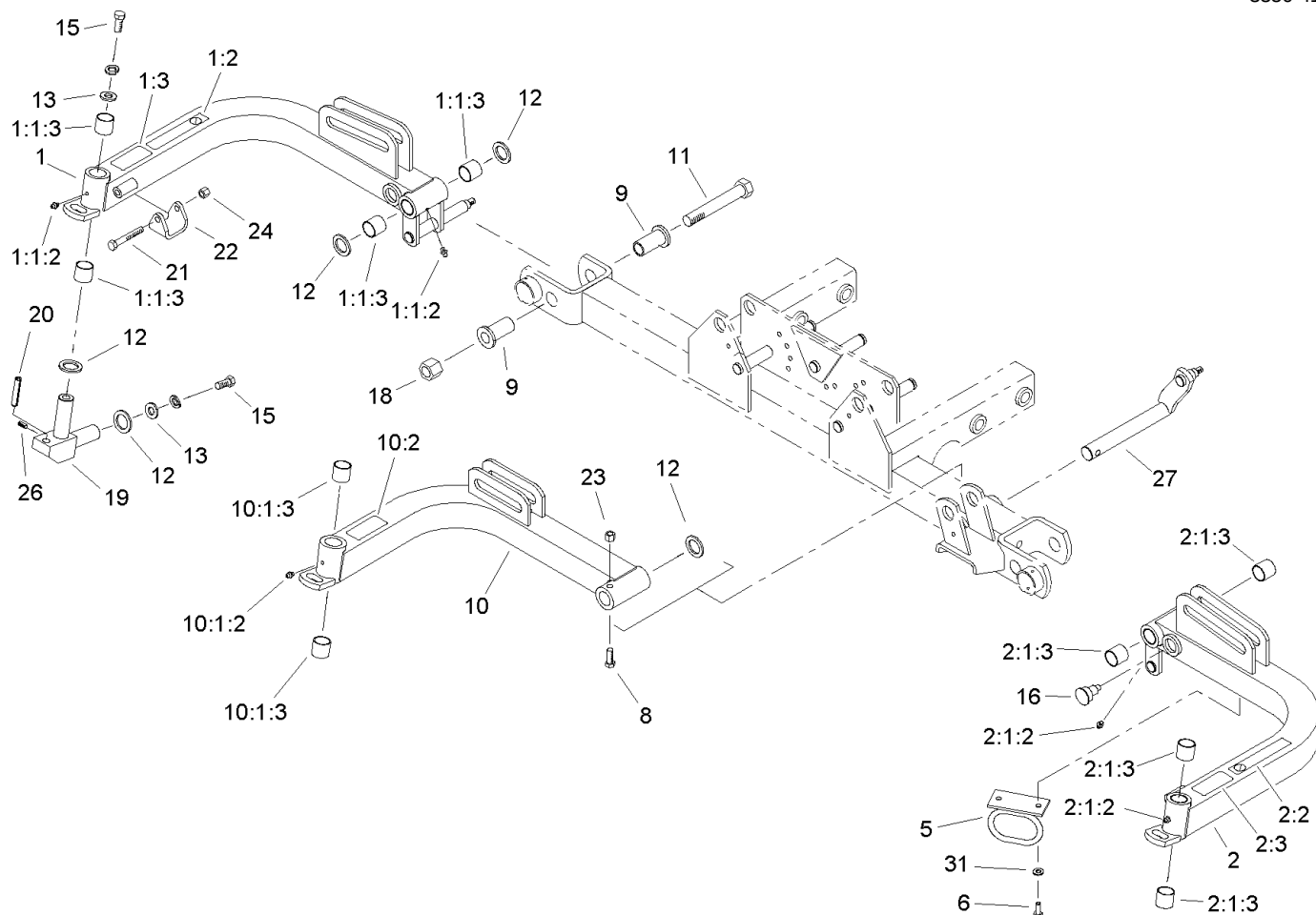
Hydraulic Cylinder Assembly No. 93-9310

Ref	Part No.	Qty.	Description				
1	86-7330	1	Locknut				
2		1	Piston				
3		1	Head				
4		1	Collar				
5		1	Shaft W/tube				
6		1	Barrel ASM				
7		1	Seal Kit				
7:1		1	O-Ring				
7:2		1	Seal-Special				
7:3		1	O-Ring				
7:4	302-5	1	Backup				
7:5		1	Seal-Rod				
7:6		1	Seal-Dust				
8		1	Fitting-Grease				



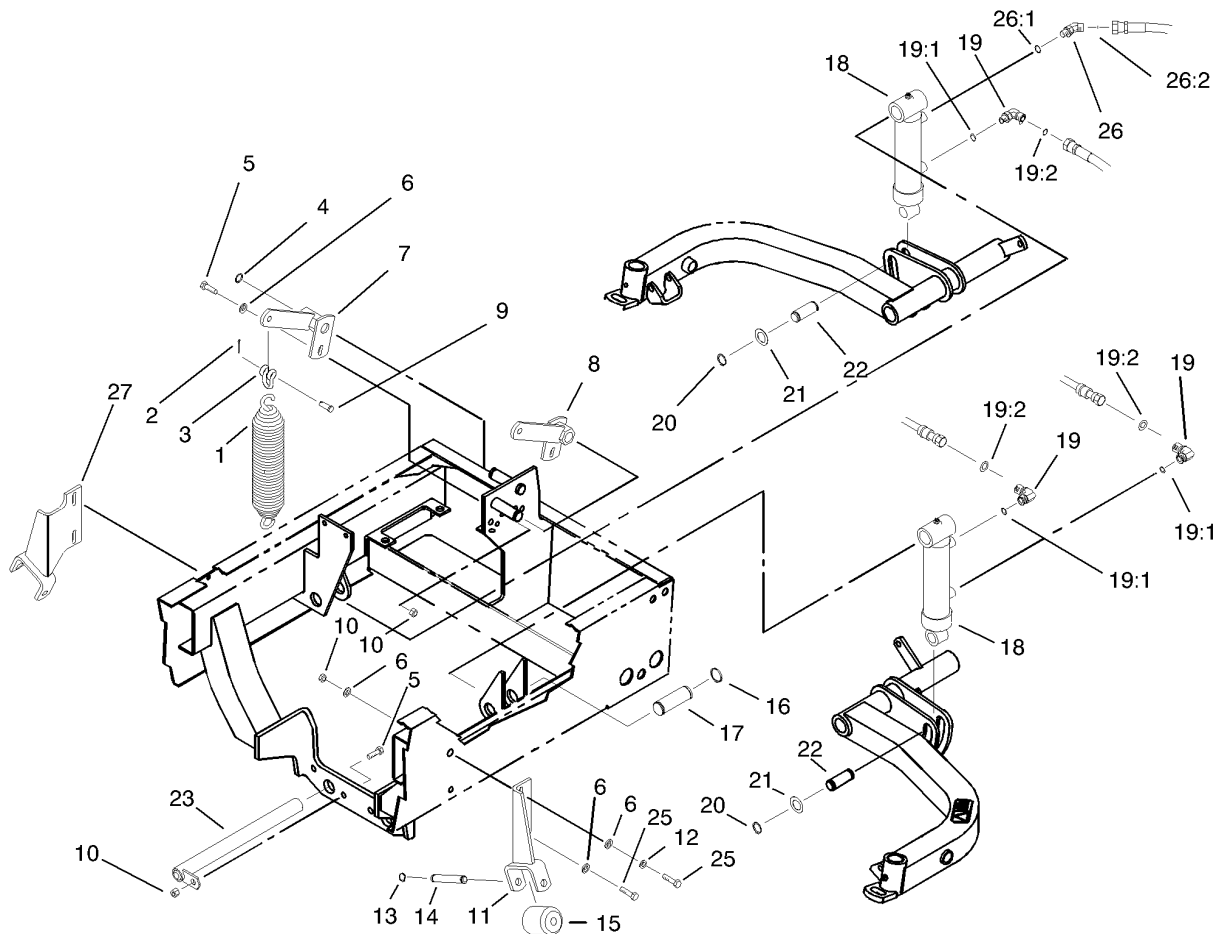
Hydraulic Cylinder Assembly No. 99-6986

Ref	Part No.	Qty.	Description				
1	32152-10	1	Barrel				
2		1	Locknut				
4		1	Piston				
9		1	Head				
11		1	Collar				
12		1	Shaft W/clevis				
13	100-8023	1	Fitting-Grease				
14		1	Seal Repair Kit				
14:1		1	Seal-Psp				
14:2		1	O-Ring				
14:3		1	O-Ring				
14:4		1	Backup				
14:5		1	Seal-Rod				
14:6		1	Seal-Dust				



Front Lift Arm Assembly

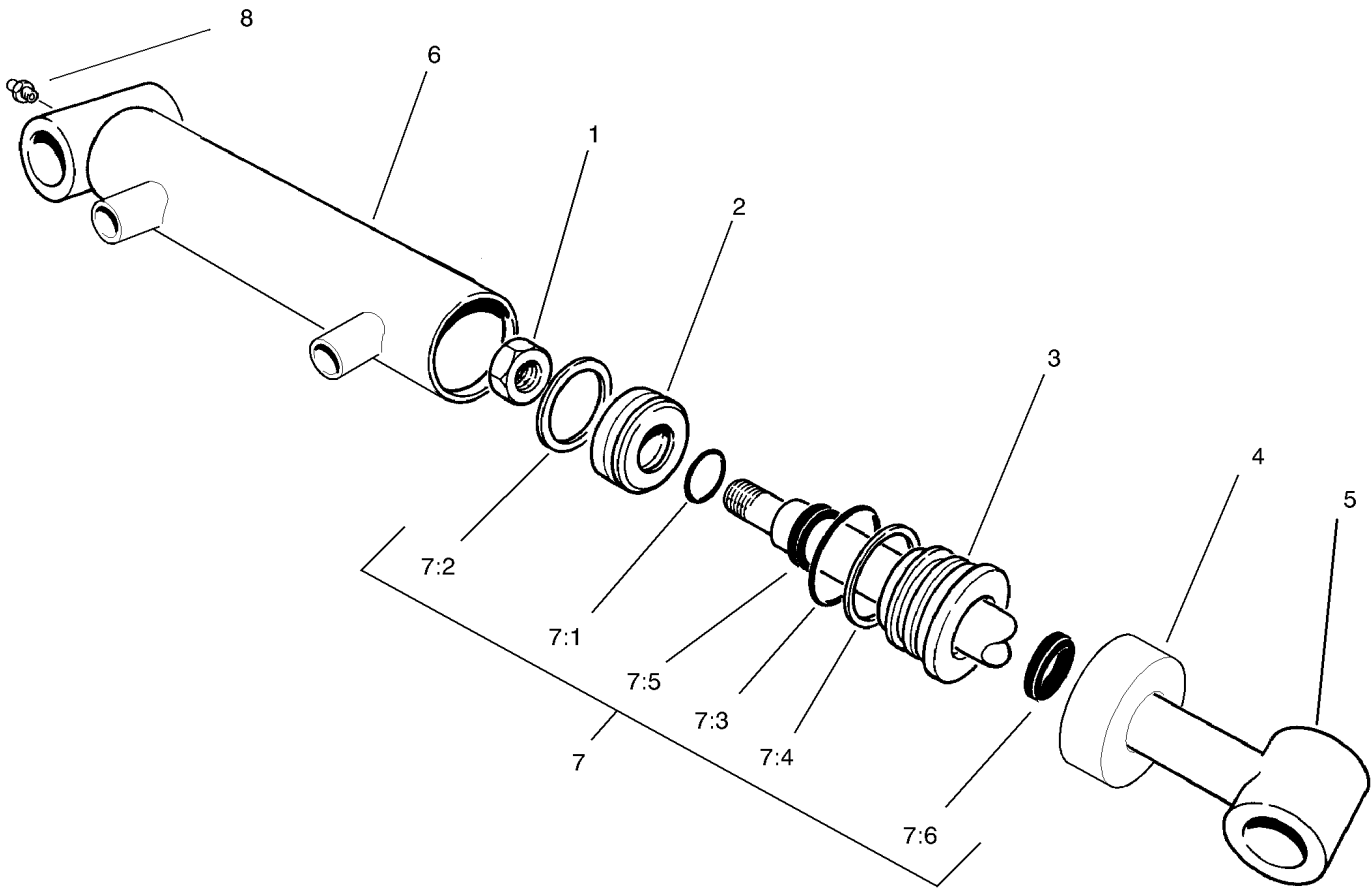
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	104-8601	1	RH Lift Arm ASM	19	106-5437-03	3	Joint-Arm
1:1:2	302-5	2	Fitting-Grease	20	104-9319	3	Pin-Grooved
1:1:3	67-1750	4	Bushing	21	323-12	2	Screw-HH
1:2	93-6687	1	Decal-No Step	22	75-5410	2	Bracket-Arm
1:3	93-6696	1	Decal-Warning	23	3296-44	1	Nut-Lock, NI
2	104-8600	1	LH Lift Arm ASM	24	3296-39	2	Nut-Lock, NI
2:1:2	302-5	2	Fitting-Grease	26	92-9097	3	Screw-HS
2:1:3	67-1750	4	Bushing	27	75-4550-03	1	Shaft-Lift, Center
2:2	93-6687	1	Decal-No Step	31	3253-4	4	Washer-Lock
2:3	93-6696	1	Decal-Warning				
5	104-0028	2	Guide-Hose				
6	322-5	4	Screw-HH				
8	323-11	1	Screw-HH				
9	84-8320	4	Insert-Hinge				
10	104-8602	1	Center Lift Arm ASM				
10:1:2	302-5	1	Fitting-Grease				
10:1:3	67-1750	2	Bushing				
10:2	93-6696	1	Decal-Warning				
11	328-12	2	Screw-HH				
12	256-115	11	Washer-Thrust				
13	3256-6	6	Washer-Flat				
15	98-7993	6	Screw-HHF				
16	92-8754	1	Lug-Reed Switch, Magnet				
18	3296-51	2	Nut-Lock, NI				



Rear Lift Circuit Assembly

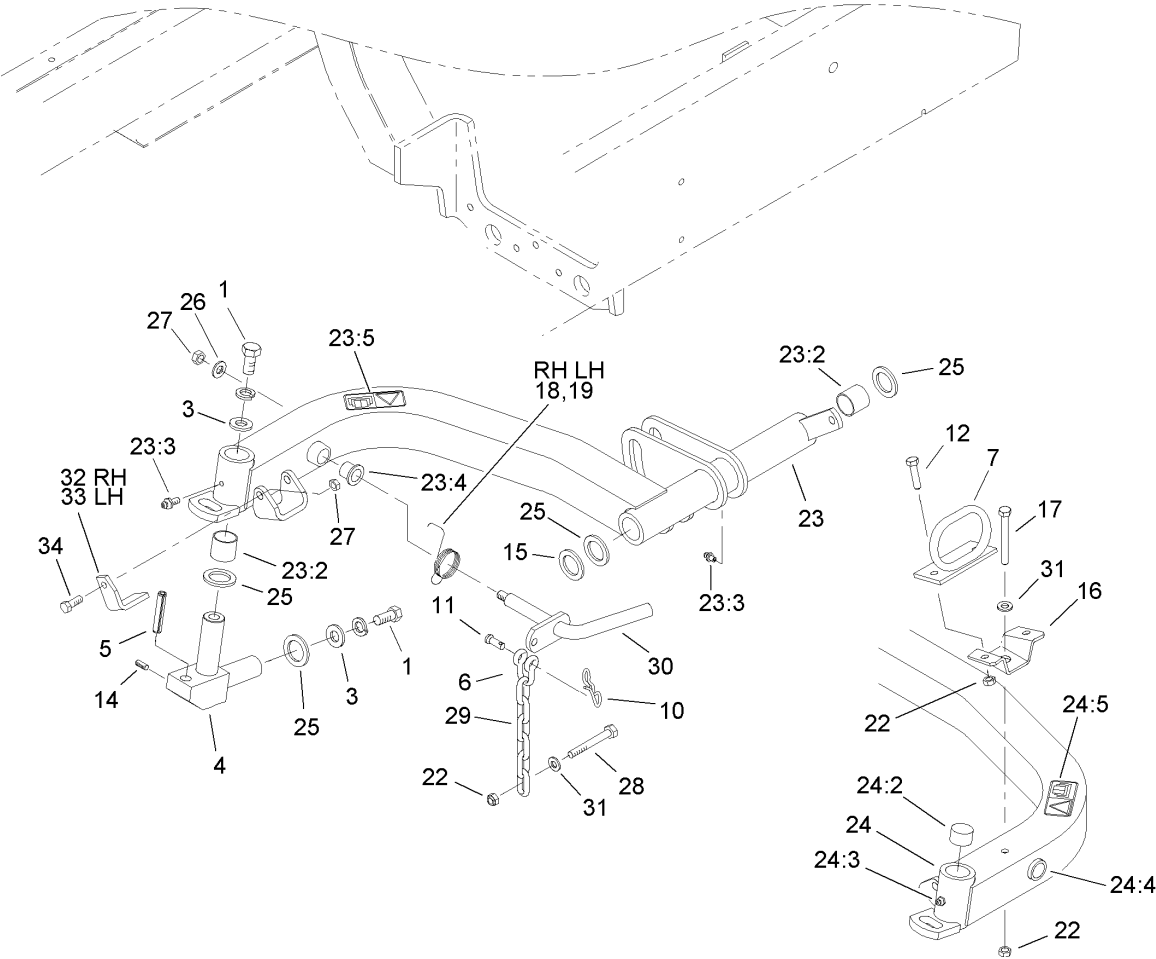
Ref	Part No.	Qty.	Description
1	5-0743-03	2	Spring-Mower
2	3272-10	2	Pin-Cotter
3	282-4	2	Shackle
4	32151-48	2	E-Ring
5	322-5	4	Screw-HH
6	3256-23	9	Washer-Flat
7	98-4548-03	1	Bracket-Spring, RH
8	98-4536-03	1	Bracket-Spring, LH
9	283-6	2	Pin-Clevis
10	3296-29	11	Nut-Lock, NI
11	100-3831-01	1	Bracket-LH Roller
12	3253-4	2	Washer-Lock
13	32151-61	4	Ring-Retaining
14	75-5400	2	Pin-Roller
15	75-5390	2	Roller
16	32151-36	4	Ring-Retaining
17	75-5360	2	Pin-Cylinder
18	93-9311	2	Cylinder-HYD
19	340-132	3	Fitting-Hyd, 90 DEG
19:1	237-78	1	O-Ring
19:2	237-21	1	O-Ring
20	32120-93	4	Ring-Retaining
21	3-6498	4	Washer-Thrust
22	104-0046	2	Pin-Slide, Cylinder

Ref	Part No.	Qty.	Description
23	93-0069-03	2	Pin-Rear
24	3290-379	3	Tie-Cable
25	322-6	4	Screw-HH
26	340-103	1	Fitting-Hyd, 45 DEG
26:1	237-78	1	O-Ring
26:2	237-21	1	O-Ring
27	100-3829-01	1	Bracket-RH Roller



Hydraulic Cylinder Assembly No. 93-9311

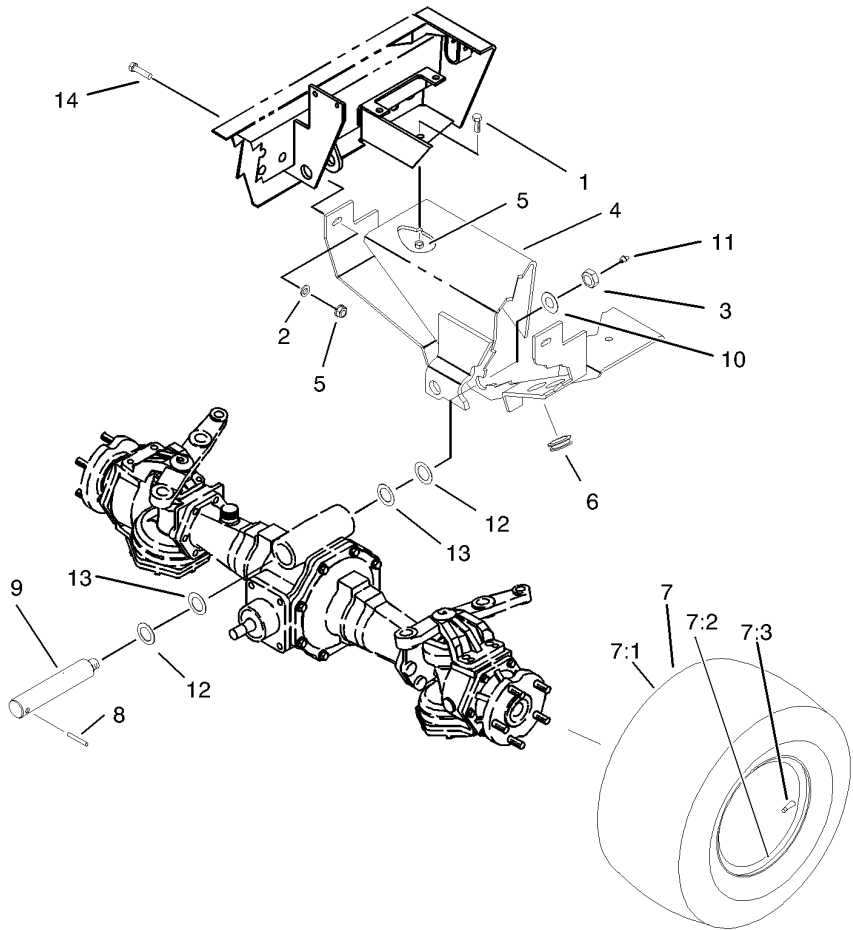
Ref	Part No.	Qty.	Description				
1	86-7330	1	Locknut				
2		1	Piston				
3		1	Head				
4		1	Collar				
5		1	Shaft W/tube				
6		1	Barrel ASM				
7		1	Seal Kit				
7:1		1	O-Ring				
7:2		1	Seal-Special				
7:3		1	O-Ring				
7:4	302-5	1	Backup				
7:5		1	Seal-Rod				
7:6		1	Seal-Dust				
8		1	Fitting-Grease				



Rear Lift Arm Assembly

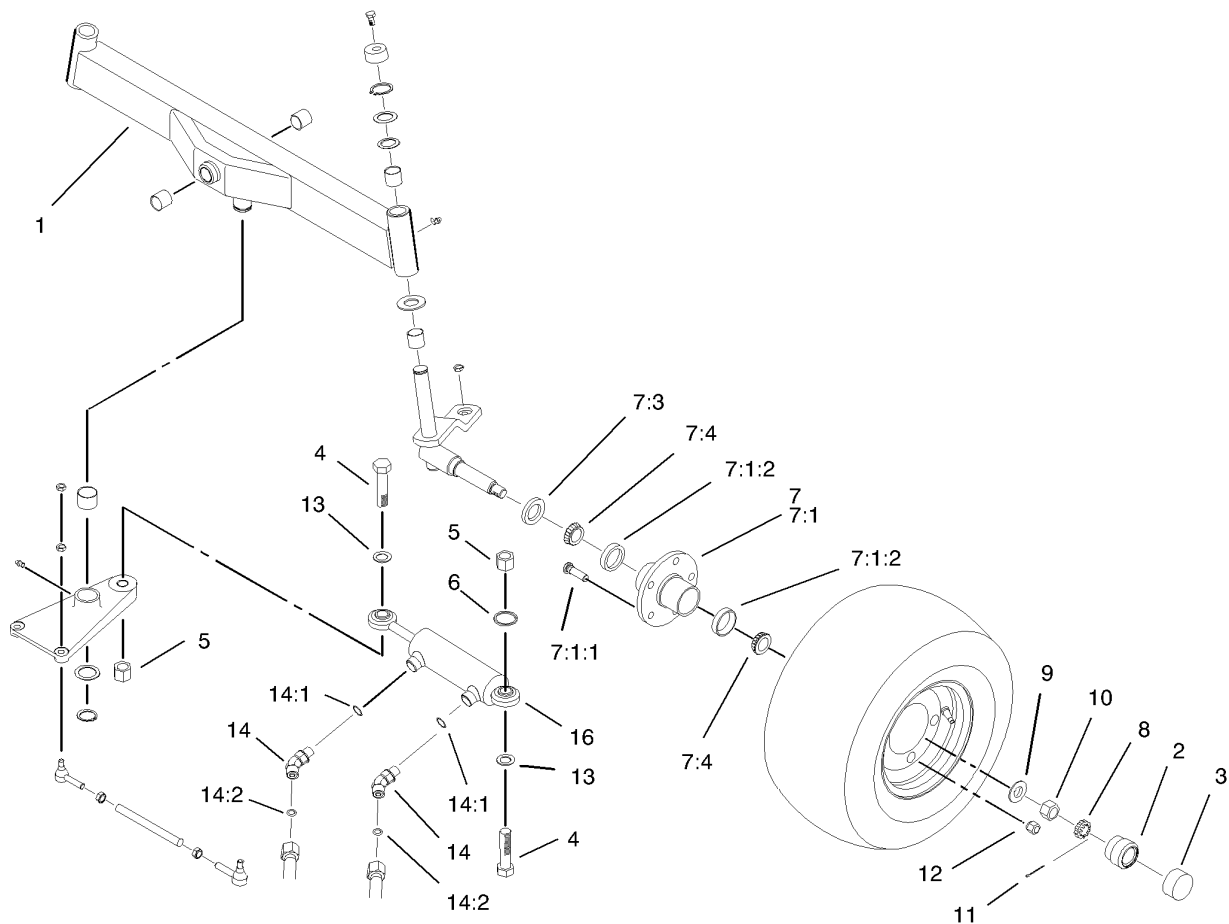
Ref	Part No.	Qty.	Description
1	98-7993	4	Screw-HHF
3	3256-6	4	Washer-Flat
4	106-5437-03	2	Joint-Arm
5	104-9319	2	Pin-Grooved
6	282-4	2	Shackle
7	104-0028	1	Guide-Hose
9	3290-379	1	Tie-Cable
10	105-7512	2	Pin-Tie, Bow
11	283-6	2	Pin-Clevis
12	322-5	2	Screw-HH
14	92-9097	2	Screw-HS
15	93-0142	2	Bushing-Straight
16	94-4919-03	1	Bracket-Clamp, Hose
17	322-13	1	Screw-HH
18	75-4520	1	Spring-Torsion, RH
19	75-4530	1	Spring-Torsion, LH
22	3296-29	4	Nut-Lock, NI
23	100-3828	1	RH Rear Lift Arm ASM
23:2	67-1750	4	Bushing
23:3	302-5	2	Fitting-Grease
23:4	256-287	2	Bushing
23:5	93-6696	1	Decal-Warning
24	100-3827	1	LH Rear Lift Arm ASM
24:2	256-287	2	Bushing

Ref	Part No.	Qty.	Description
24:3	302-5	2	Fitting-Grease
24:4	67-1750	4	Bushing
24:5	93-6696	1	Decal-Warning
25	256-115	12	Washer-Thrust
26	3256-24	2	Washer-Flat
27	3296-39	4	Nut-Lock, NI
28	322-12	2	Screw-HH
29	84-2451	2	Chain-Link, Straight
30	100-3834-03	2	Rod-Pivot
31	3256-23	3	Washer-Flat
32	93-3640	1	Stop-RH
33	83-5170	1	Stop-LH
34	323-6	2	Screw-HH



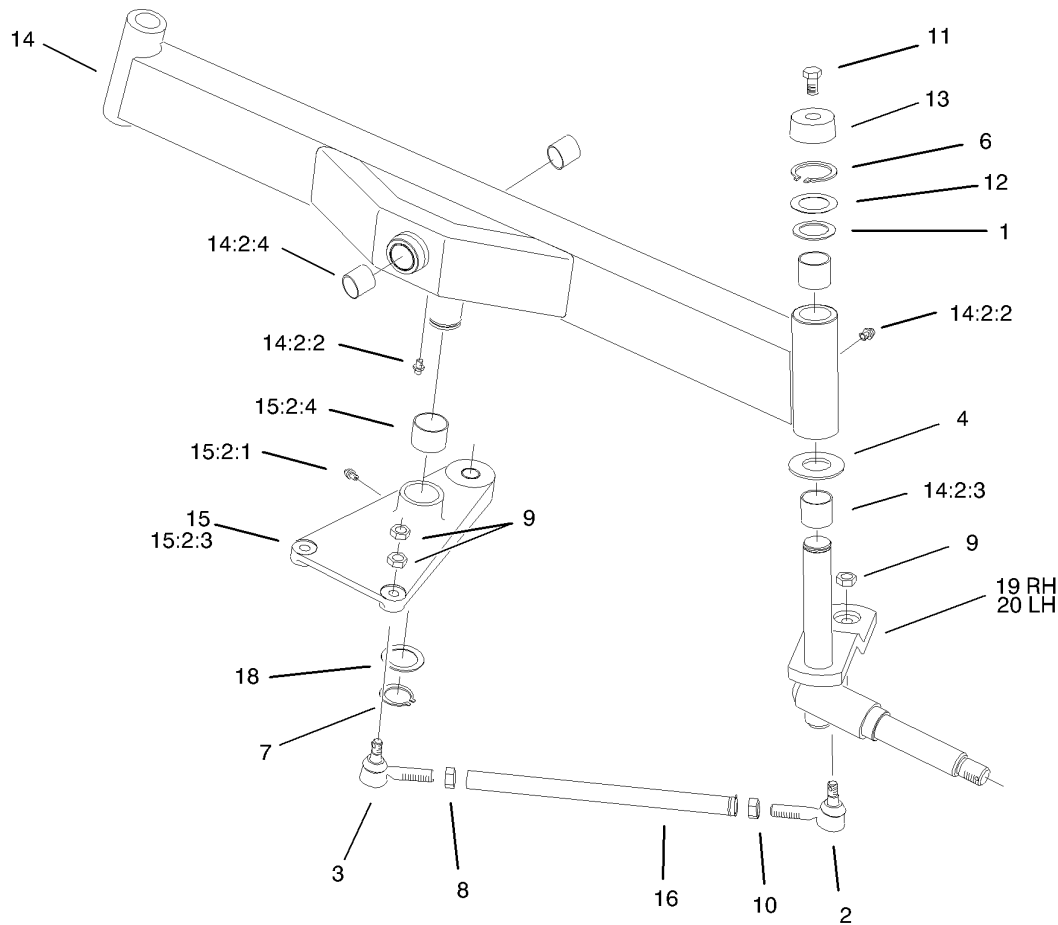
Rear Axle Support Assembly

Ref	Part No.	Qty.	Description				
1	323-7	2	Screw-HH				
2	3256-24	2	Washer-Flat				
3	32146-20	1	Nut-Jam				
4	98-8172-03	1	Support-Axle				
5	3296-39	4	Nut-Lock, NI				
6	237-165	2	Grommet				
7		2	Tire & Wheel ASM				
7:1	86-5910	1	Tire				
7:2	100-2582	1	Rim				
7:3	232-27	1	Stem-Valve				
8	32121-32	1	Pin-Roll				
9	98-8173-03	1	Pin-Pivot, Axle				
10	71-4540	1	Washer-Thrust				
11	302-2	1	Fitting-Grease				
12	99-8431	2	Washer-Thrust				
13	99-8432	2	Washer-Thrust				
14	323-13	2	Screw-HH				



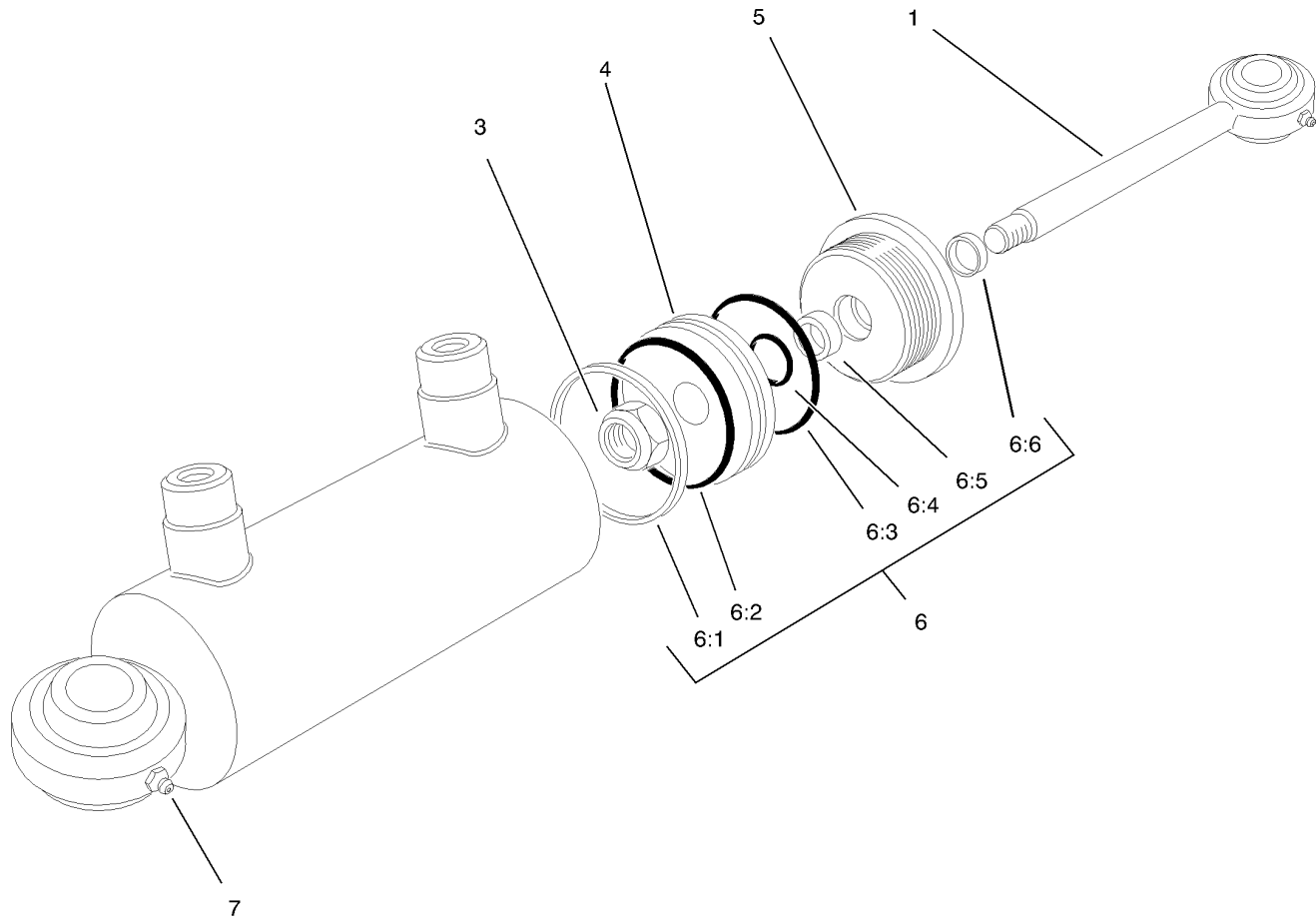
Two Wheel Drive Rear Axle Assembly

Ref	Part No.	Qty.	Description				
1		1	Rear Axle ASM				
2	100-3769	2	Protector-Bearing				
3	100-3809	2	Cap-Protector, Bearing				
4	328-25	2	Screw-HH				
5	32153-6	2	Locknut				
6	67-7250	1	Spacer-Ring				
7		2	Hub ASM				
7:1	21-2820	1	Hub ASM				
7:1:1	10-6830	5	Stud-Type, Drive				
7:1:2	254-72	2	Bearing-Cup, Tapered				
7:3	253-129	1	Seal				
7:4	254-94	2	Bearing-Cone, Taper				
8	93-0307	2	Nut-Lock, Retainer				
9	93-0309	4	Washer-Tab				
10	3220-7	2	Nut-Jam				
11	3272-13	2	Pin-Cotter				
12	242-50	10	Nut-Lug				
13	67-9410	2	Washer				
14	340-103	2	Fitting-Hyd, 45 DEG				
14:1	237-78	1	O-Ring				
14:2	237-21	1	O-Ring				
16	75-1200	1	Cylinder-HYD				



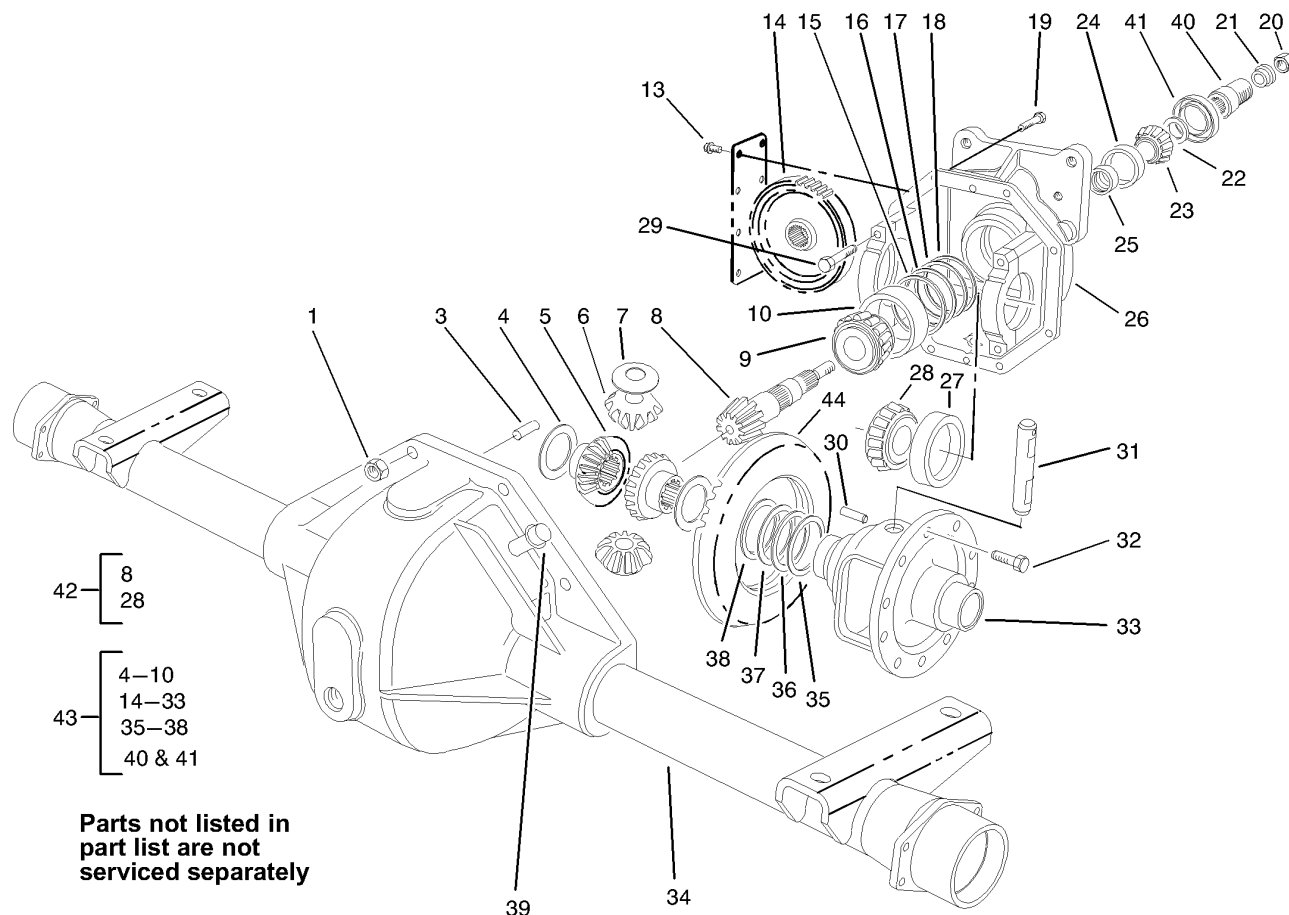
Rear Axle Assembly

Ref	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				
14:2:2	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	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				
19	93-7000-03	1	Spindle-RH				
20	93-7001-03	1	Splindle-LH				



Hydraulic Cylinder Assembly No. 75-1200

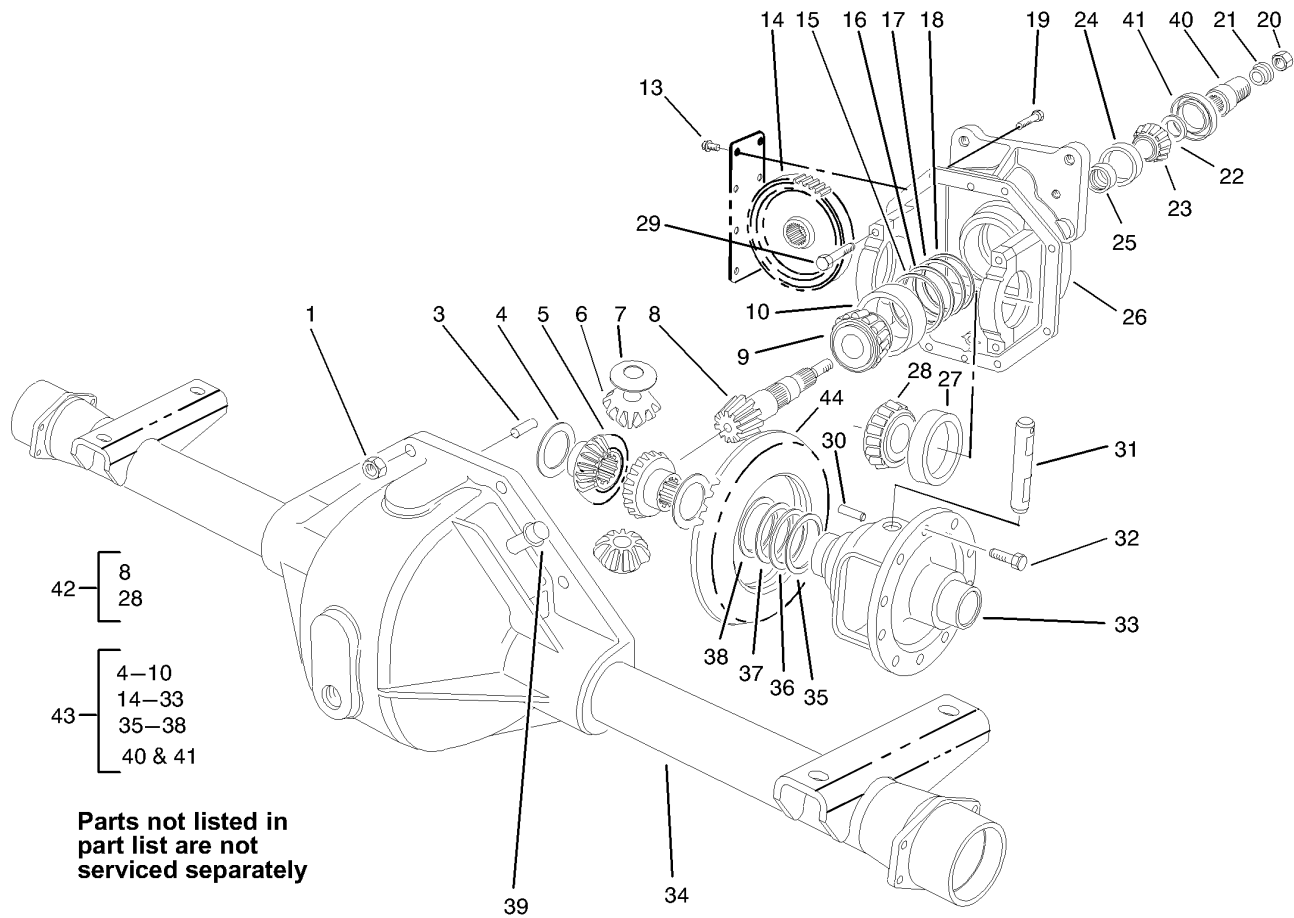
Ref	Part No.	Qty.	Description				
1	75-1250	1	Rod				
3		1	Nut				
4		1	Piston				
5		1	Head				
6		1	Seal Kit				
6:1		1	Ring-Servon				
6:2		1	O-Ring				
6:3	302-5	1	O-Ring				
6:4		1	O-Ring				
6:5		1	U-Cup				
6:6		1	Wiper				
7		2	Fitting-Grease				



Axle Assembly No. 106-9212-03

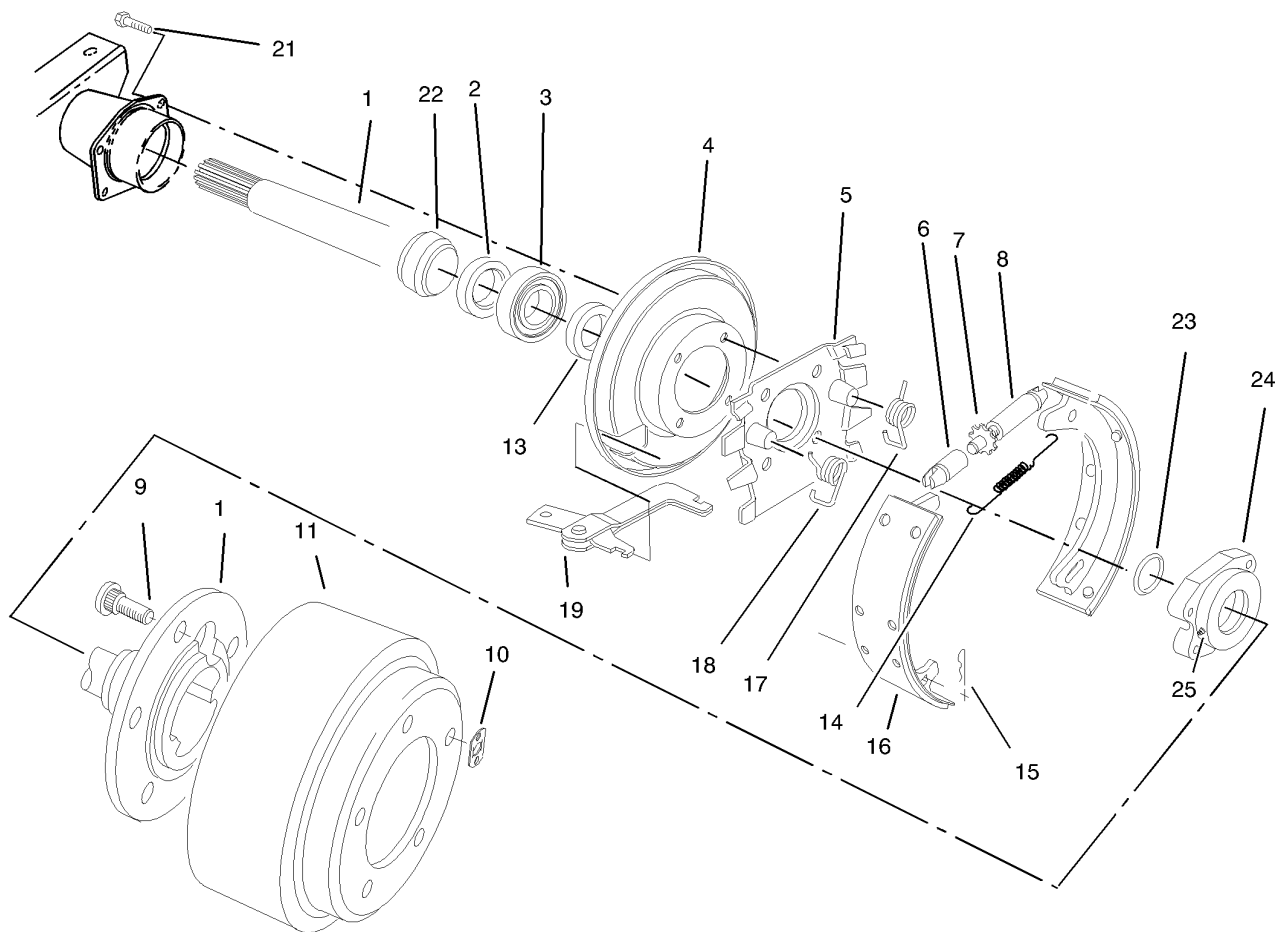
Ref	Part No.	Qty.	Description
1	32149-5	8	Nut
3	21-8270	2	Pin-Dowel
4	21-7720	2	Washer-Thrust
5	24-8790	2	Gear-Differential
6	21-7690	2	Pinion-Differential
7	21-7730	2	Washer-Thrust, Pinion
9	43-6760	1	Bearing-Roller, Cone Taper
10	43-6750	1	Bearing-Taper, Cup
13	32144-112	8	Screw-HWTF
14	86-7230	1	Gear-Input, 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	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



Axle Assembly No. 106-9212-03 (continued)

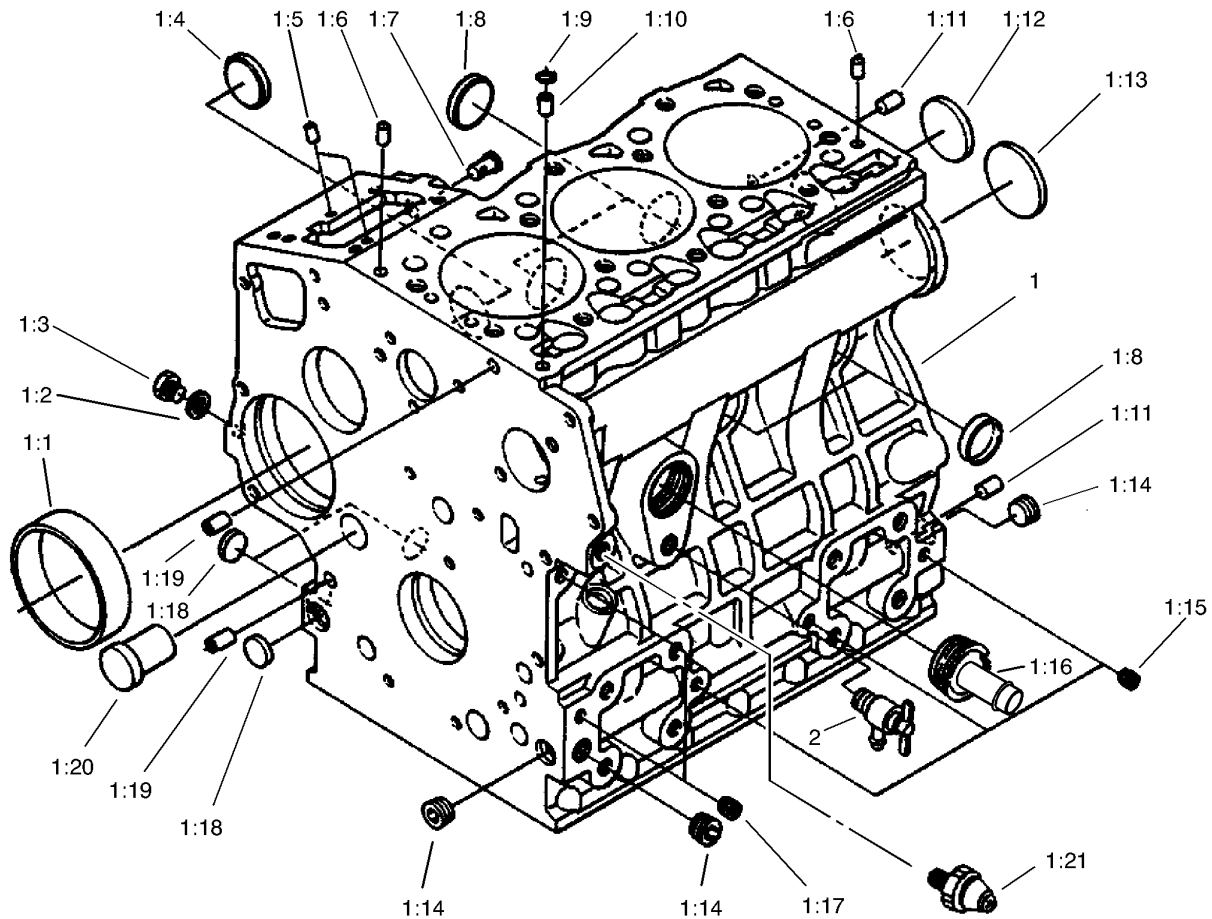
Ref	Part No.	Qty.	Description				
26	93-3619	1	Upper Housing ASM				
27	254-66	2	Cup-Bearing, Roller				
28	254-65	2	Cone-Bearing, Roller				
29	92-1773	4	Screw-HHF				
30	21-7710	1	Pin-Roll				
31	21-7700	1	Shaft-Mate, Pinion				
32	21-7770	5	Screw-Gear, Drive				
33	21-7670	1	Case-Differential				
34	100-3744-03	1	Lower Housing ASM				
35	21-8120	1	Shim-Bearing, Diff. (.030)				
36	21-8110	1	Shim-Bearing, Diff. (.010)				
37	21-8100	1	Shim-Bearing, Diff. (.005)				
38	21-8090	1	Shim-Bearing, Diff. (.003)				
39	72-9420	1	Vent				
40	83-4910	1	Coupler-Pinion				
41	71-4330	1	Seal				
42	93-3618	1	Gear And Pinion ASM				
43	93-3617	1	Cover And Carrier Kit				



Brake Assembly

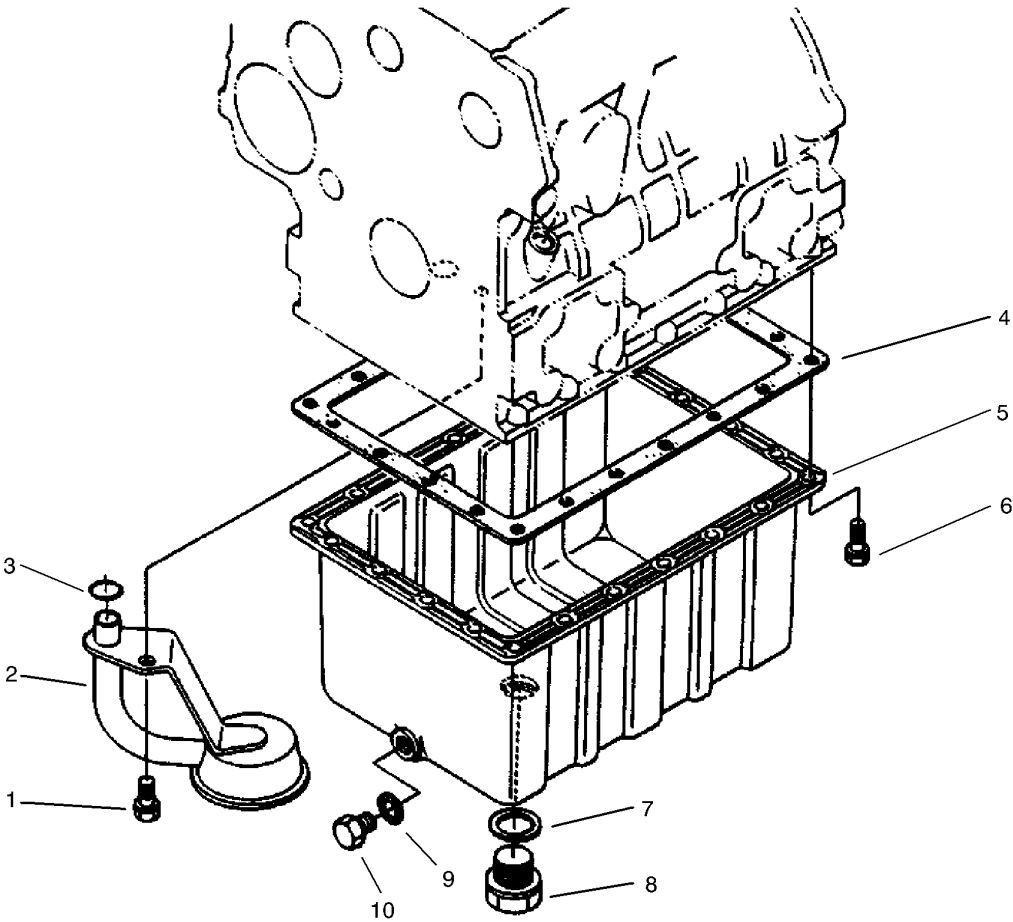
Ref	Part No.	Qty.	Description
1	100-3840	1	Shaft-Axle, LH
1	100-3841	1	Shaft-Axle, RH
2	100-3842	2	Seal-Oil
3	21-8180	2	Bearing ASM
4	100-3843	2	Shield-Dust
5	100-3844	2	Spider-Torque
6	21-9390	2	Socket-Screw, Adjusting
7	21-9370	2	Screw-Adjusting
8	21-9380	2	Nut-Pivot
9	106-9205	10	Stud-Wheel
10	21-8360	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	Part No.	Qty.	Description
●26	84-8600	1	Set-Shoes, Lined
●27	92-8775	1	Liquid Gasket Kit



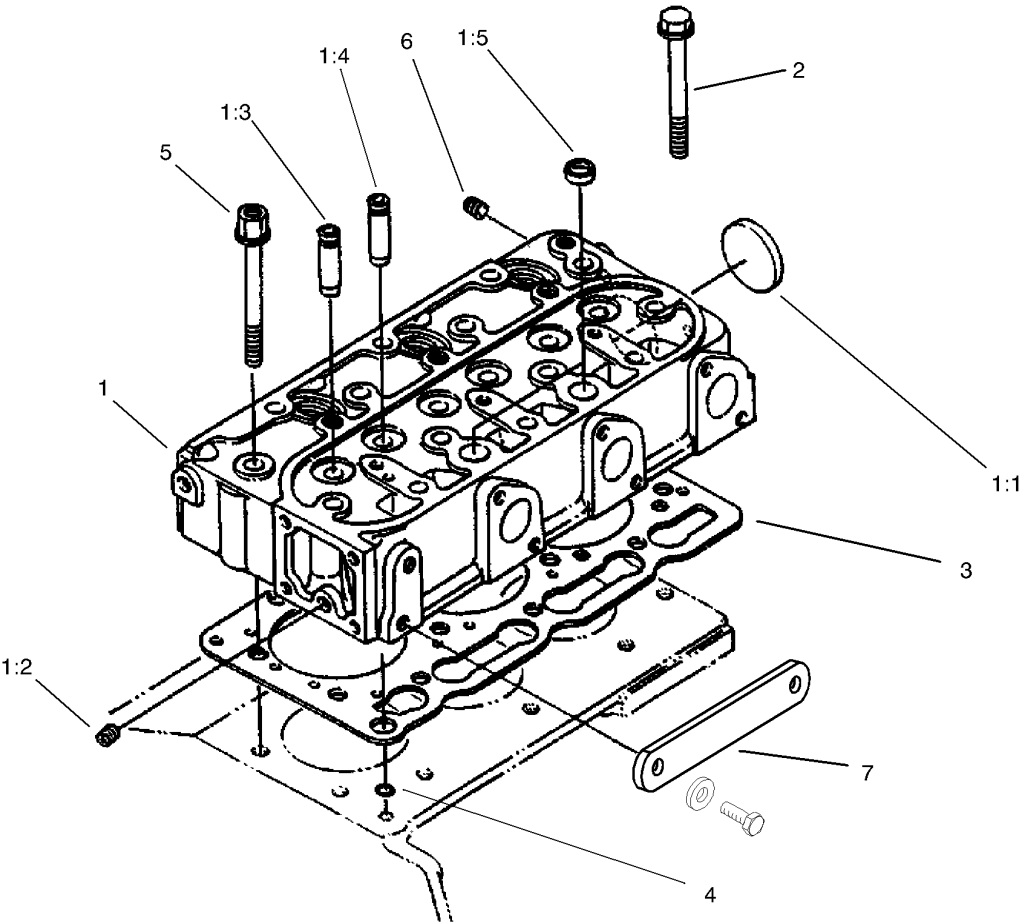
Crankcase Assembly

Ref	Part No.	Qty.	Description				
1	99-8300	1	Crankcase ASM				
1:1	98-9656	1	Bushing-Governor, Gear				
1:2	98-7428	1	Gasket				
1:3	98-7507	1	Plug				
1:4	98-9599	1	Plug				
1:5	98-9375	2	Pin-Straight				
1:6	98-9376	2	Pin-Straight				
1:7	98-9630	1	Pin-Spring, Start				
1:8	98-9398	4	Cap-Sealing				
1:9	98-7509	1	O-Ring				
1:10	98-9539	1	Pin-Pipe				
1:11	98-9377	2	Pin-Straight				
1:12	98-7539	1	Cap-Sealing				
1:13	98-9668	1	Plug				
1:14	98-9597	3	Plug				
1:15	98-7540	3	Cap-Sealing				
1:16	99-8347	1	Joint-Pipe, Drain				
1:17	98-7487	2	Plug				
1:18	98-9379	3	Plug				
1:19	98-9387	2	Pin-Pipe				
1:20	98-9675	1	Plug				
1:21	98-9416	1	Switch-Oil				
2	98-9436	1	Drain Cock ASM				



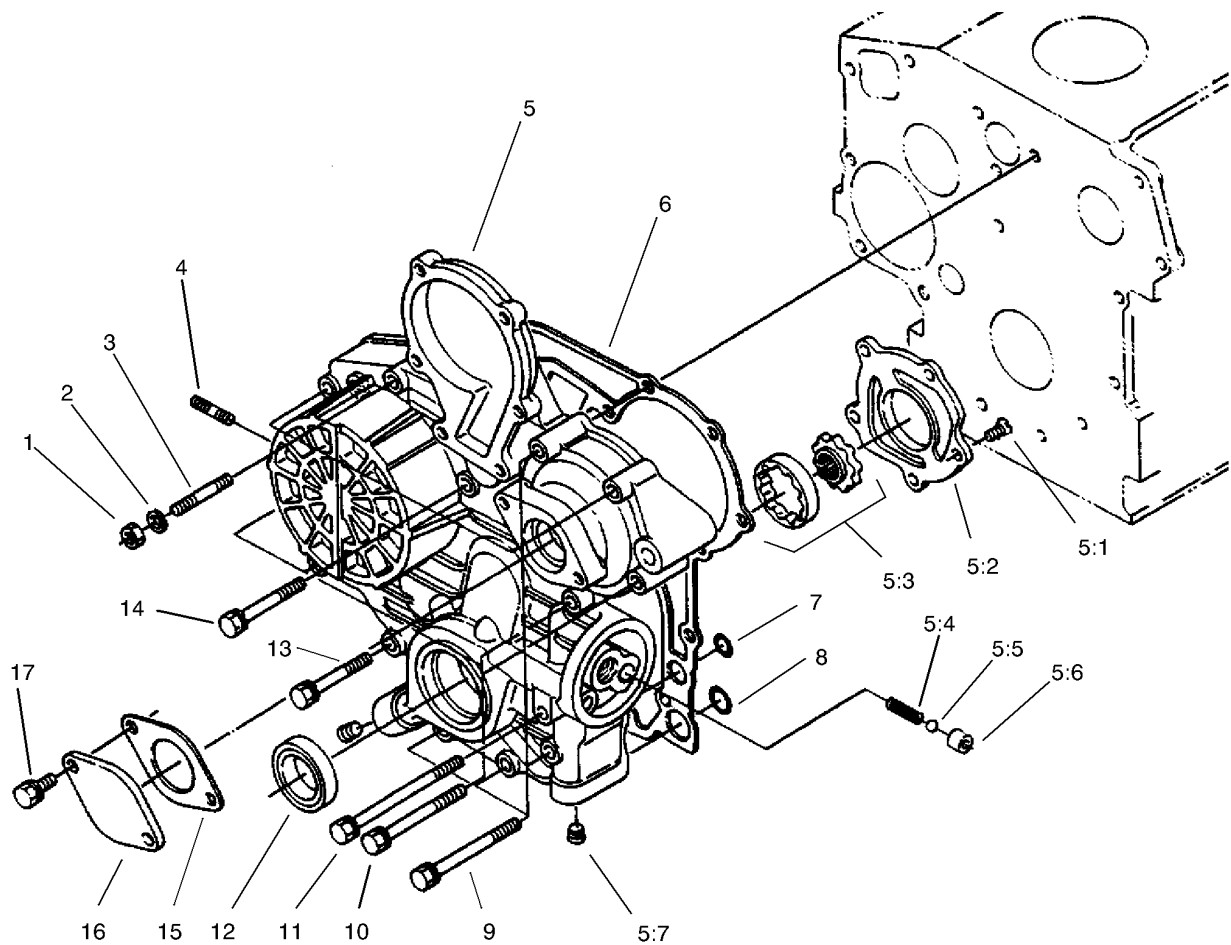
Oil Pan Assembly

Ref	Part No.	Qty.	Description				
1	98-9358	1	Bolt				
2	98-9538	1	Filter-Oil				
3	98-7527	1	O-Ring				
4	98-9646	1	Gasket-Pan, Oil				
5	98-9685	1	Drain-Oil				
6	98-9350	22	Bolt				
7	98-9399	1	Gasket				
8	98-7523	1	Plug-Drain				
9	98-7524	1	Gasket				
10	98-9386	1	Plug				



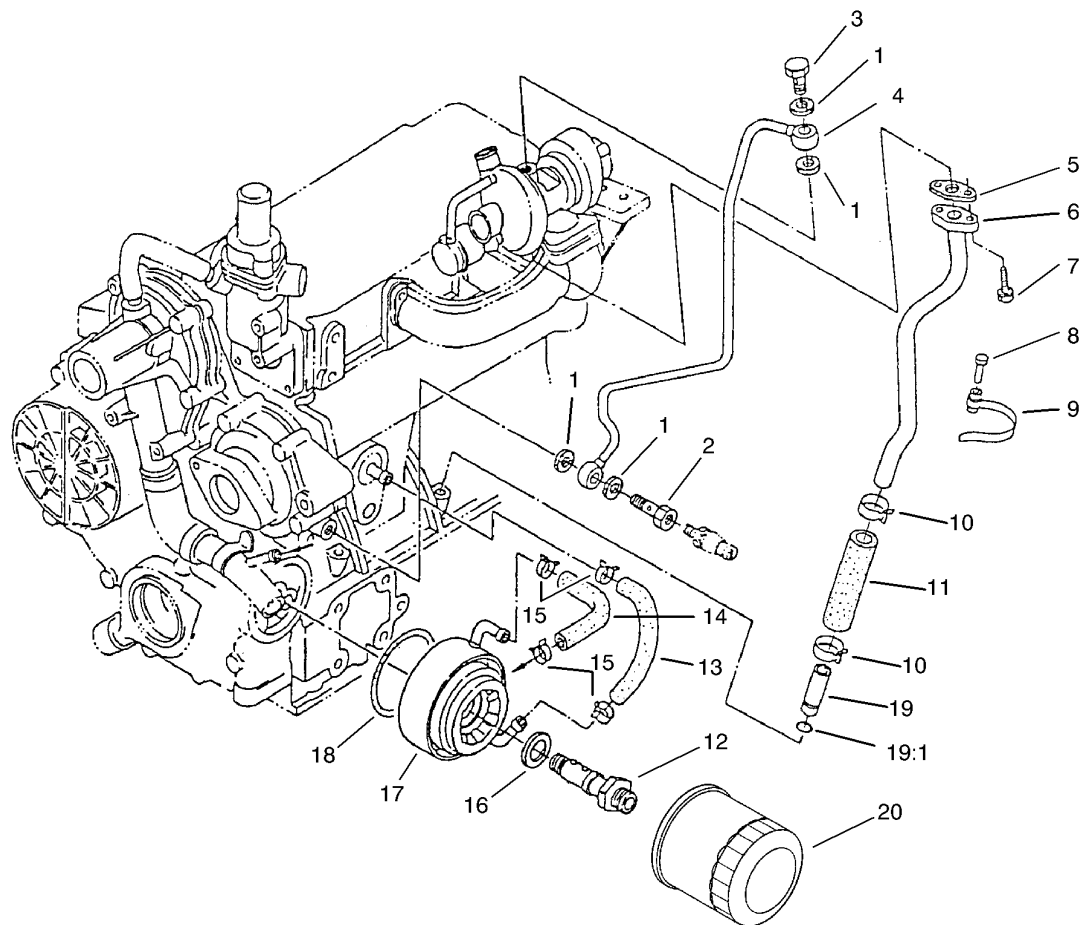
Cylinder Head Assembly

Ref	Part No.	Qty.	Description				
1	99-8344	1	Cylinder Head ASM				
1:1	98-9395	1	Cap-Sealing				
1:2	98-7540	2	Cap-Sealing				
1:3	98-9499	3	Guide-Valve, Inlet				
1:4	98-9500	3	Guide-Valve, Exhaust				
1:5	98-9389	2	Cap-Sealing				
2	98-9479	12	Bolt-Head, Cylinder				
3	98-9613	1	Gasket-Head, Cylinder				
4	98-7509	1	O-Ring				
5	98-9647	2	Bolt-Head, Cylinder				
6	98-9444	1	Plug				
7	98-4547	1	Plate-Mount, Fan				



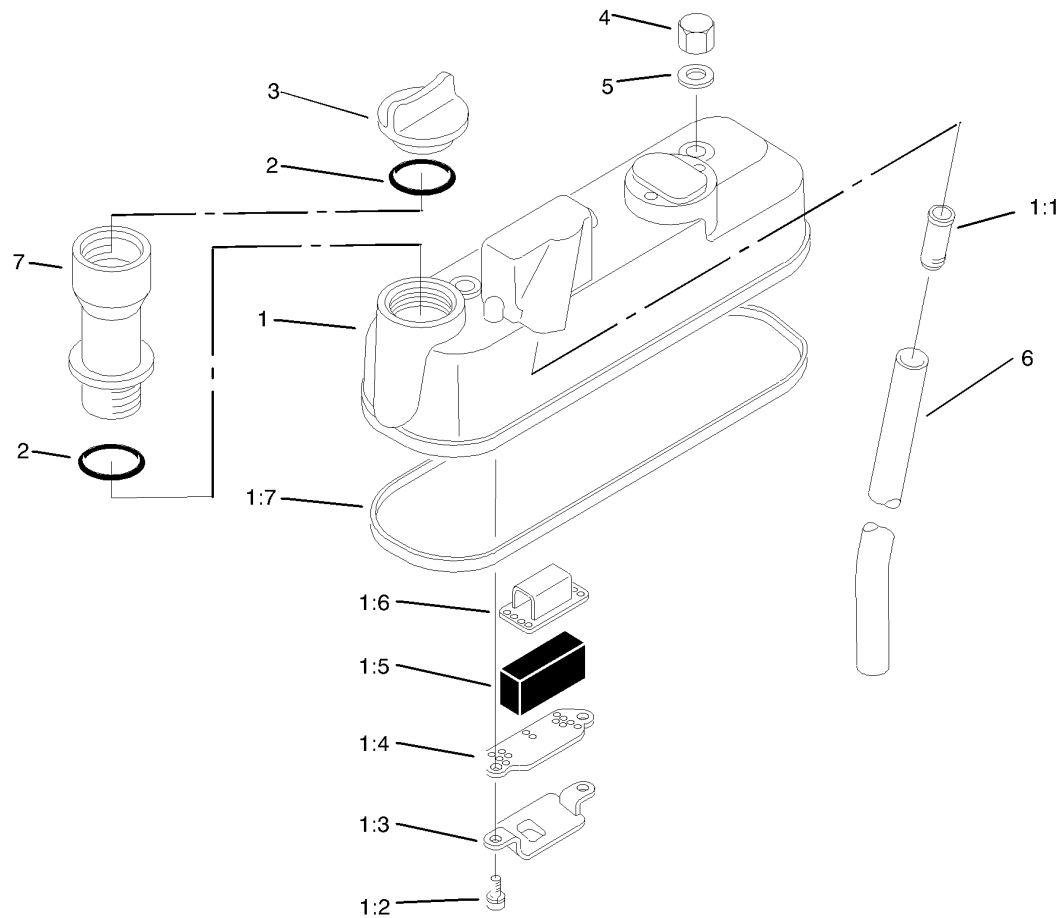
Gear Case Assembly

Ref	Part No.	Qty.	Description				
1	98-7572	1	Nut				
2	98-9367	1	Washer-Spring				
3	98-9363	1	Stud				
4	98-9362	2	Stud				
5	99-8381	1	Gear Case ASM				
5:1	98-9592	5	Screw				
5:2	98-9541	1	Cover-Pump, Oil				
5:3	98-9540	1	Oil Pump Rotor ASM				
5:4	98-9544	1	Spring				
5:5	98-9380	1	Ball				
5:6	98-9543	1	Seat-Valve				
5:7	98-9598	2	Plug				
6	98-9633	1	Gasket-Case, Gear				
7	98-9372	2	O-Ring				
8	98-7547	2	O-Ring				
9	98-9356	2	Bolt				
10	98-9355	6	Bolt				
11	98-9586	1	Bolt				
12	98-9482	1	Seal-Oil				
13	98-9437	1	Bolt				
14	98-7496	3	Bolt				
15	98-9684	1	Gasket-Case, Gear				
16	98-9641	1	Cover				
17	98-7692	2	Bolt				



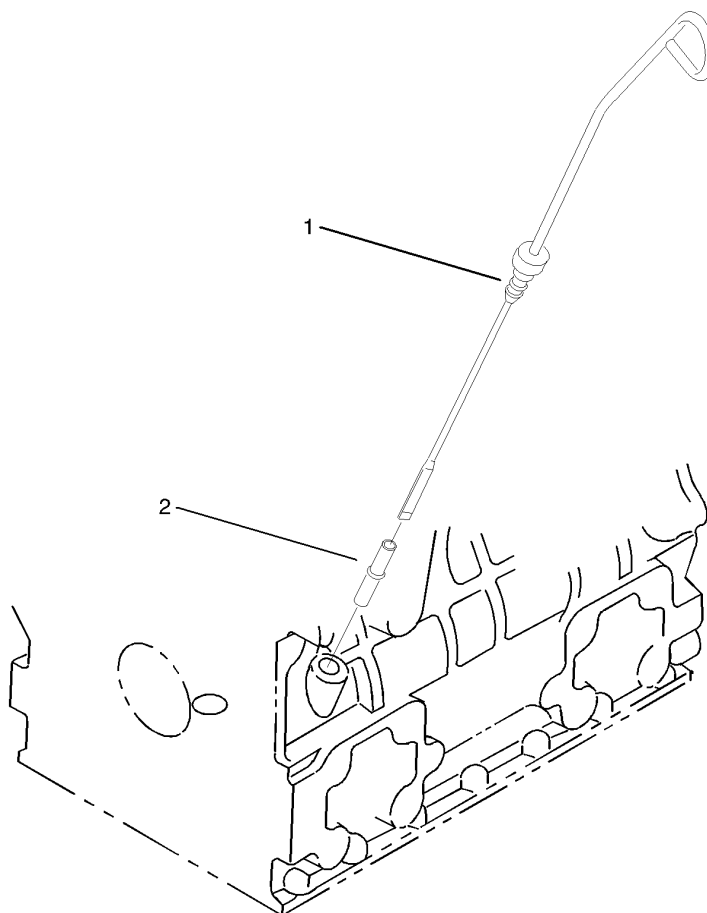
Filter, Oil Cooler and Pipe Assembly

Ref	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	98-9374	1	O-Ring				
20	104-5167	1	Filter-Oil				



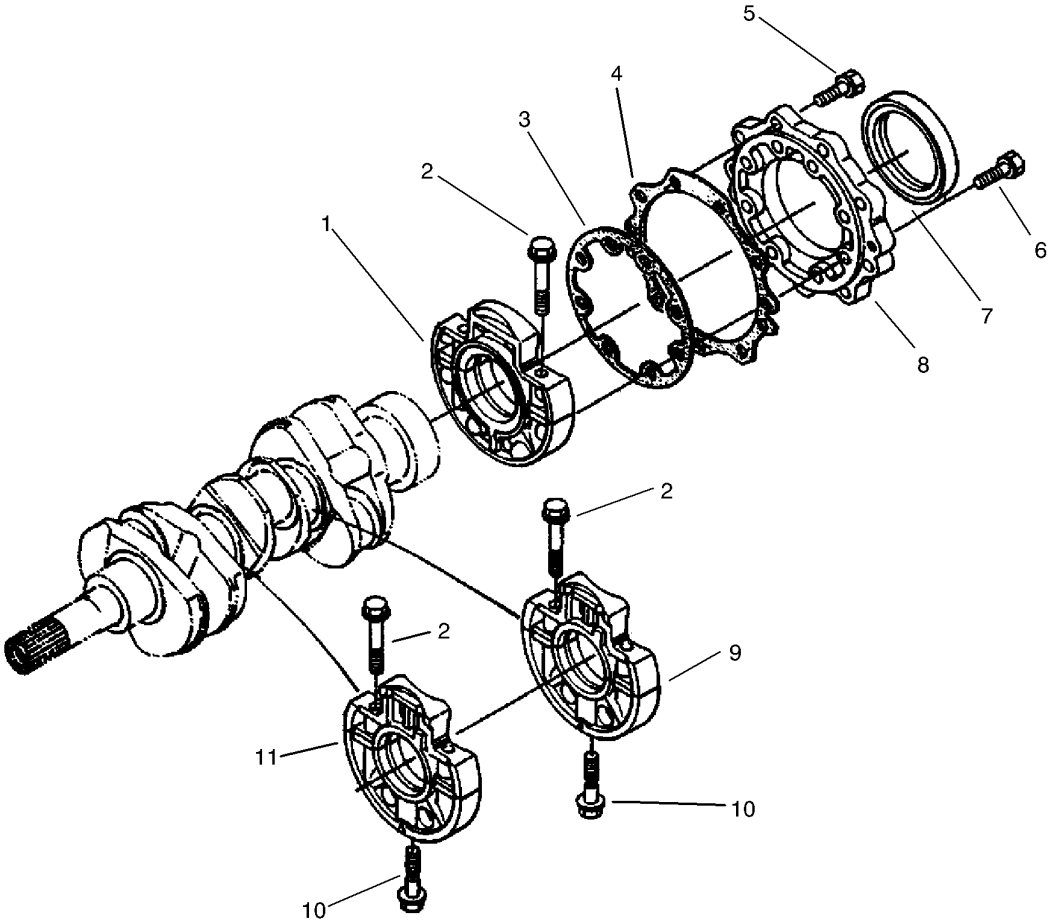
Head Cover Assembly

Ref	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	2	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-Fill, Oil				



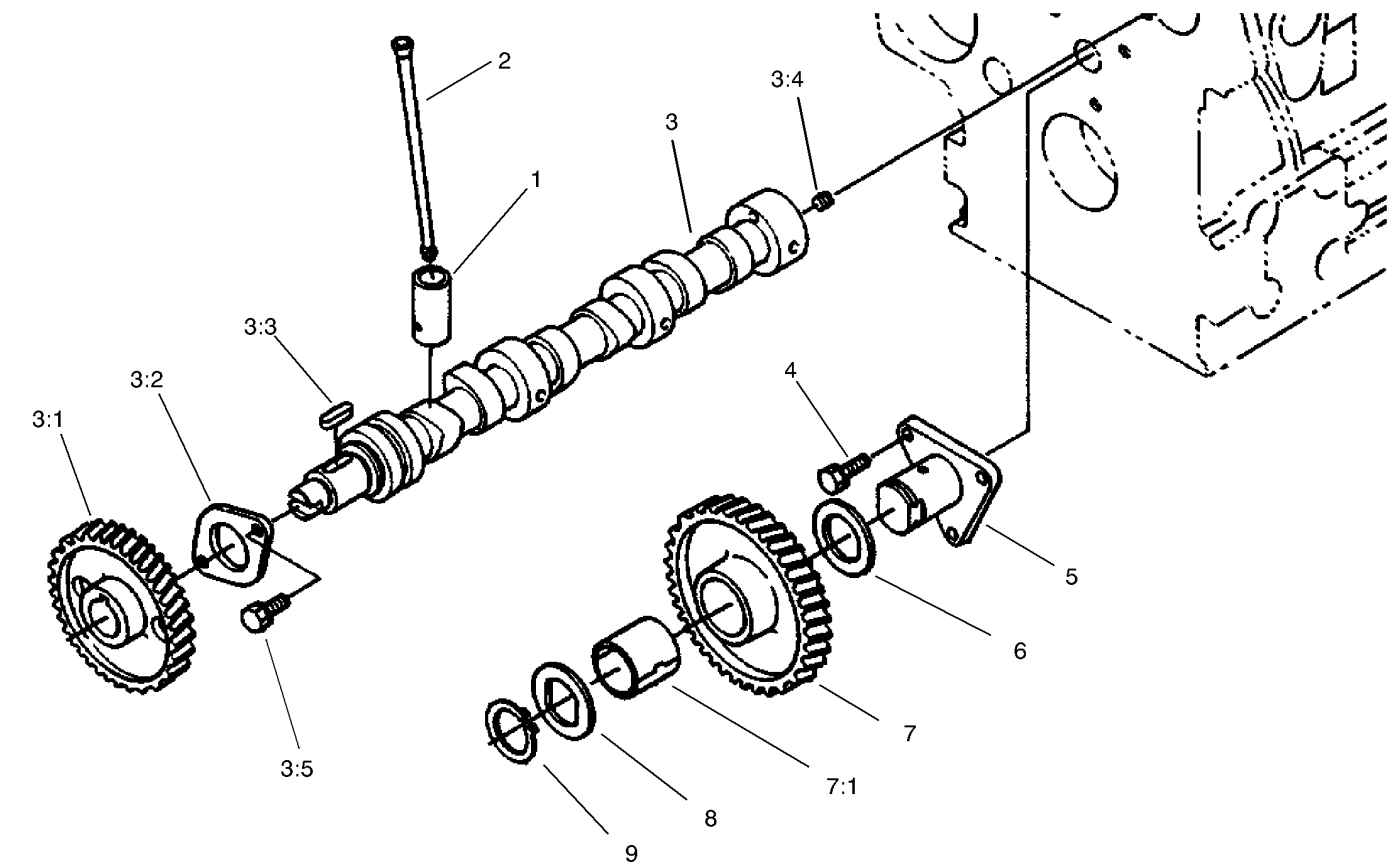
Dipstick and Guide Assembly

Ref	Part No.	Qty.	Description
1	104-9348	1	Gauge-Oil
2	104-9349	1	Guide-Gauge, Oil



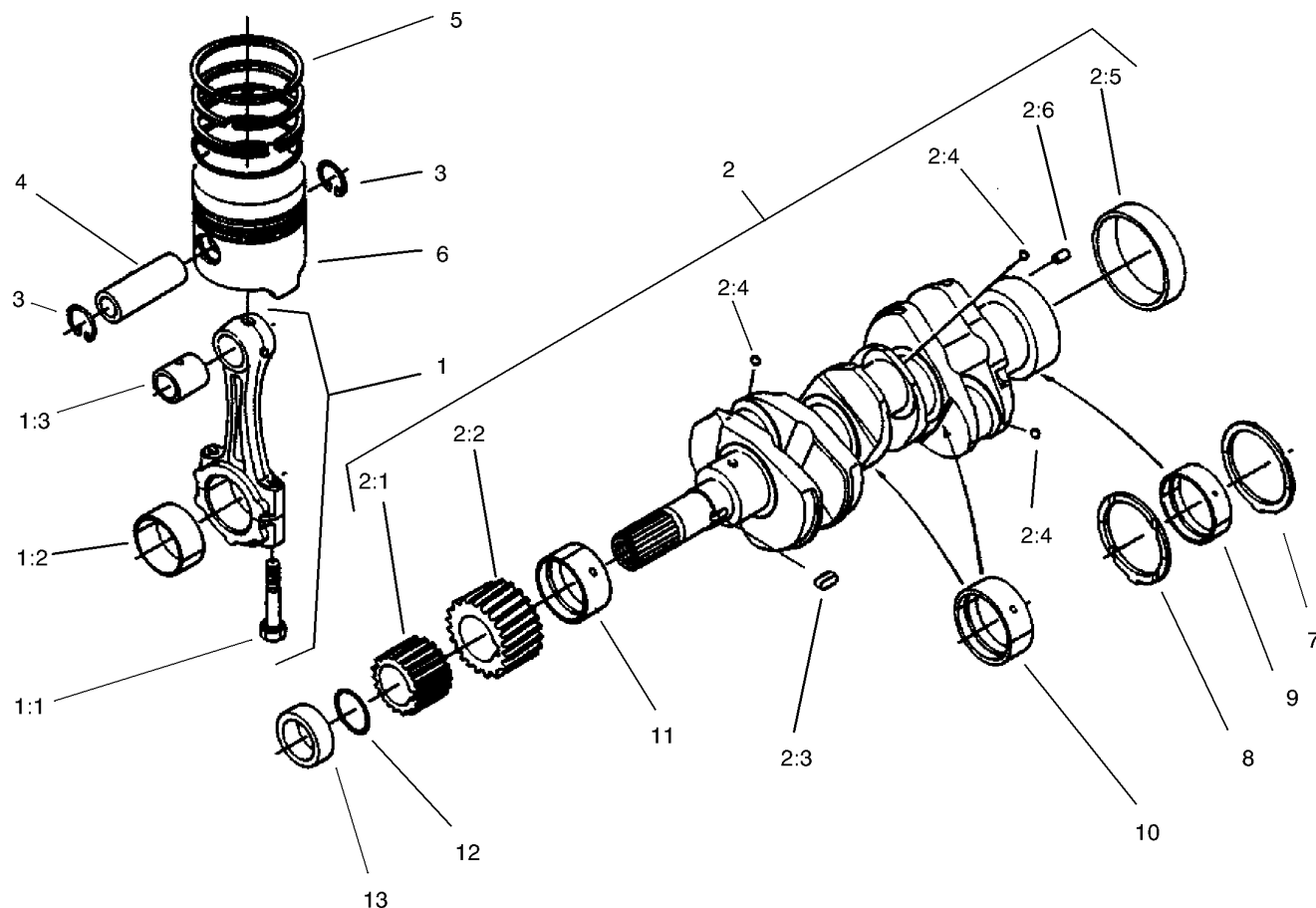
Main Bearing Case Assembly

Ref	Part No.	Qty.	Description				
1	98-9480	1	Main Bearing Case ASM				
2	98-9484	6	Bolt-Case, Bearing				
3	98-9634	1	Gasket-Case, Bearing				
4	98-9635	1	Gasket-Cover, Bearing Case				
5	98-7568	9	Bolt				
6	98-9352	8	Bolt				
7	98-9483	1	Seal-Oil				
8	98-9487	1	Cover-Case, Bearing				
9	99-8360	1	Case-Bearing, Main				
10	98-9485	2	Bolt-Case, Bearing				
11	99-8361	1	Case-Bearing, Main				



Camshaft Assembly

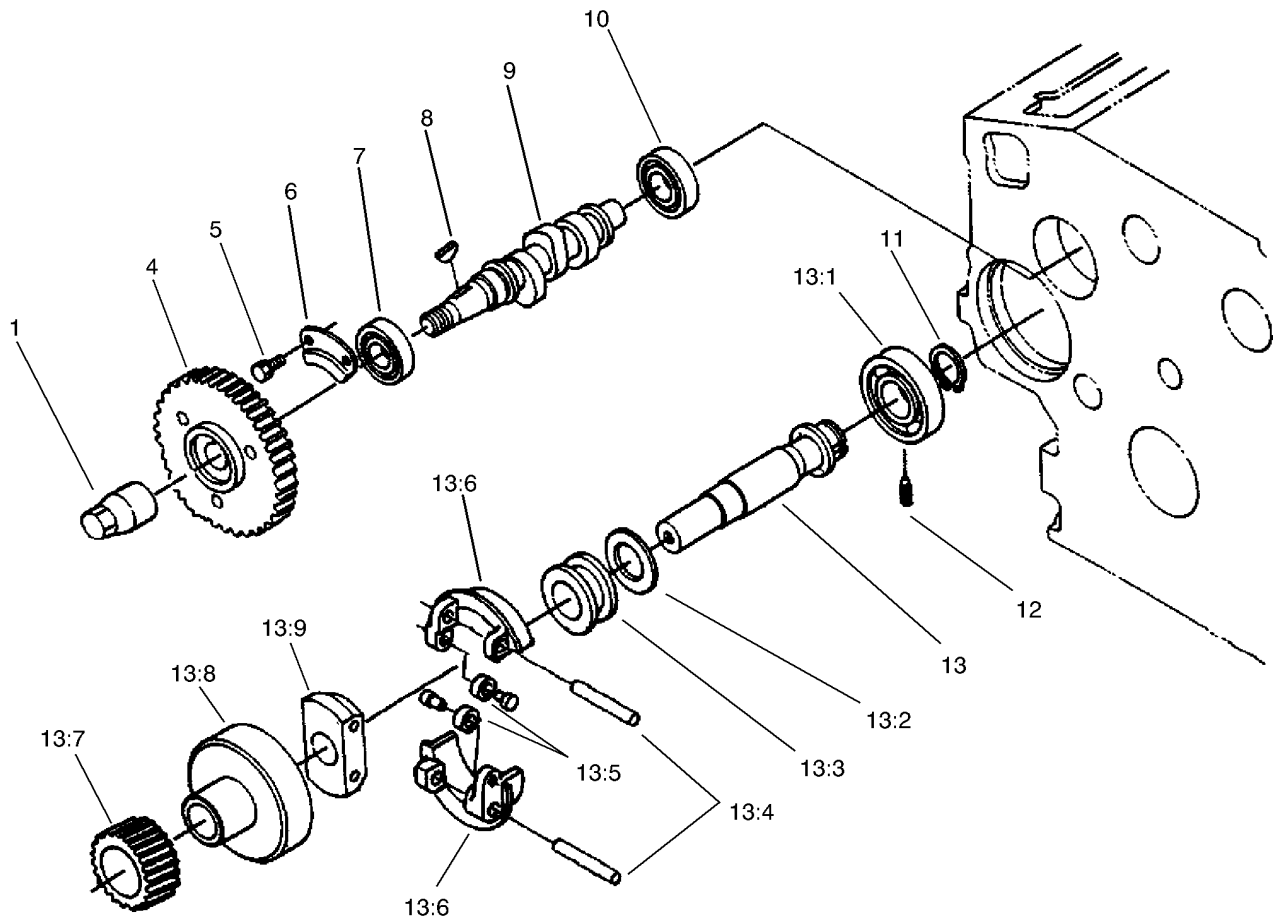
Ref	Part No.	Qty.	Description				
1	98-9616	6	Tappet				
2	98-9509	6	Rod-Push				
3	99-8362	1	Camshaft ASM				
3:1	98-9512	1	Gear-Cam				
3:2	98-9510	1	Stopper-Camshaft				
3:3	98-9378	1	Key-Feather				
3:4	98-7449	1	Screw-Set				
3:5	98-9351	2	Bolt				
4	98-7692	3	Bolt				
5	98-9533	1	Shaft-Gear, Idle				
6	98-9535	1	Collar-Gear, Idle				
7	98-9649	1	Idle Gear ASM				
7:1	98-9650	1	Bushing-Gear, Idle				
8	98-9536	1	Collar-Gear, Idle				
9	98-9534	1	Clip-Circular, Idle Gear				



Piston and Crankshaft Assembly

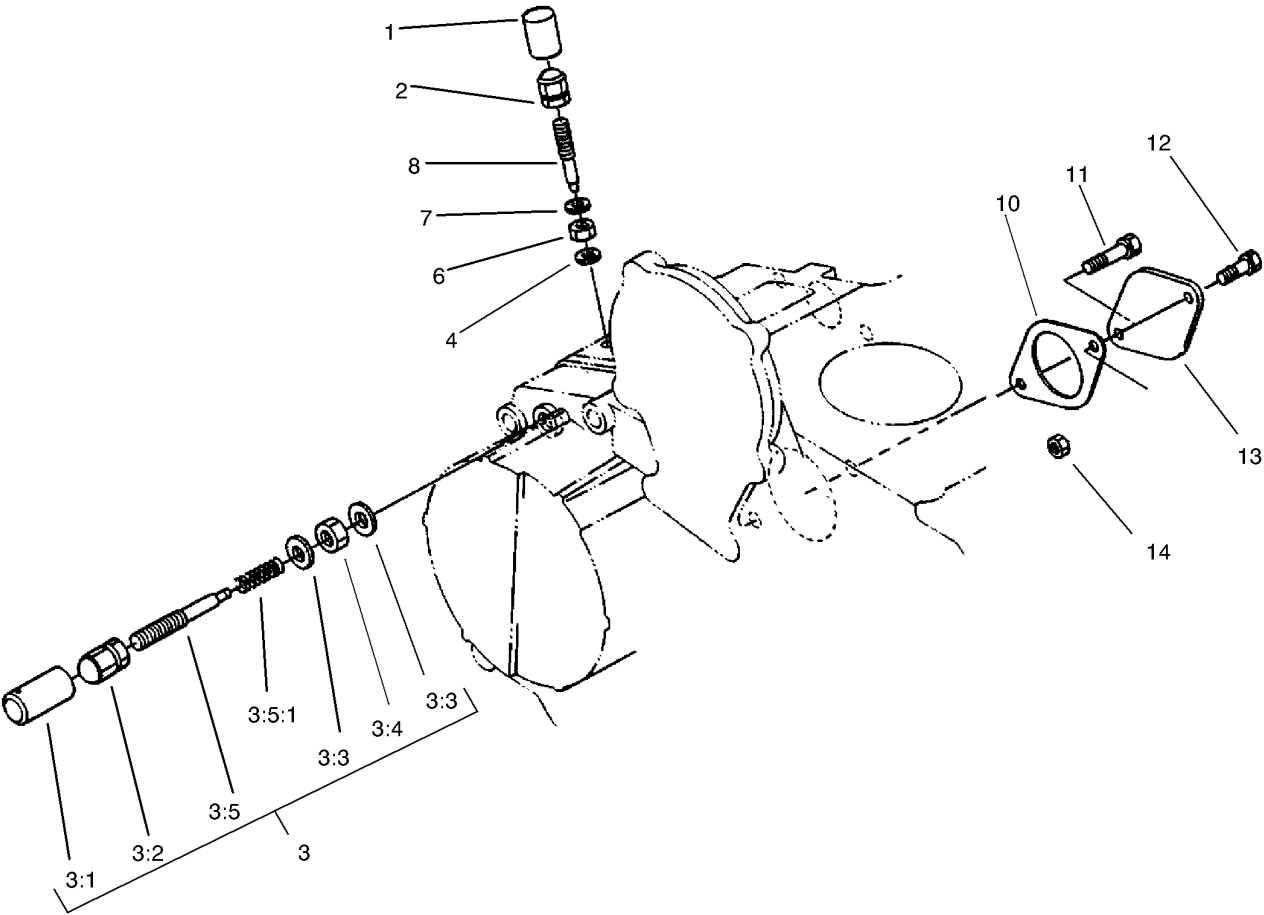
Ref	Part No.	Qty.	Description
1	98-9552	3	Connecting Rod ASM
1:1	98-9517	6	Bolt-Rod, Connecting
1:2	98-9519	3	Bearing-Rod (0.2mm)
1:2	98-9520	3	Bearing-Rod (0.4mm)
1:2	98-9553	3	Bearing-Rod (Std)
1:3	98-9515	3	Bushing-Pin, Piston
2	98-9642	1	Crankshaft ASM
2:1	98-9542	1	Gear-Drive, Oil Pump
2:2	98-9532	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	98-9619	3	Piston Ring ASM (0.5mm)
5	98-9551	3	Piston Ring ASM (Std)
6	98-9550	3	Piston (Std)
6	98-9470	3	Piston (0.5mm)
7	98-9413	2	Bearing-Thrust (Std)
7	98-9414	2	Bearing-Thrust (0.2mm)
7	98-9415	2	Bearing-Thrust (0.4mm)
8	98-9688	2	Bearing-Thrust (Std)
8	98-9689	2	Bearing-Thrust (0.2mm)

Ref	Part No.	Qty.	Description
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



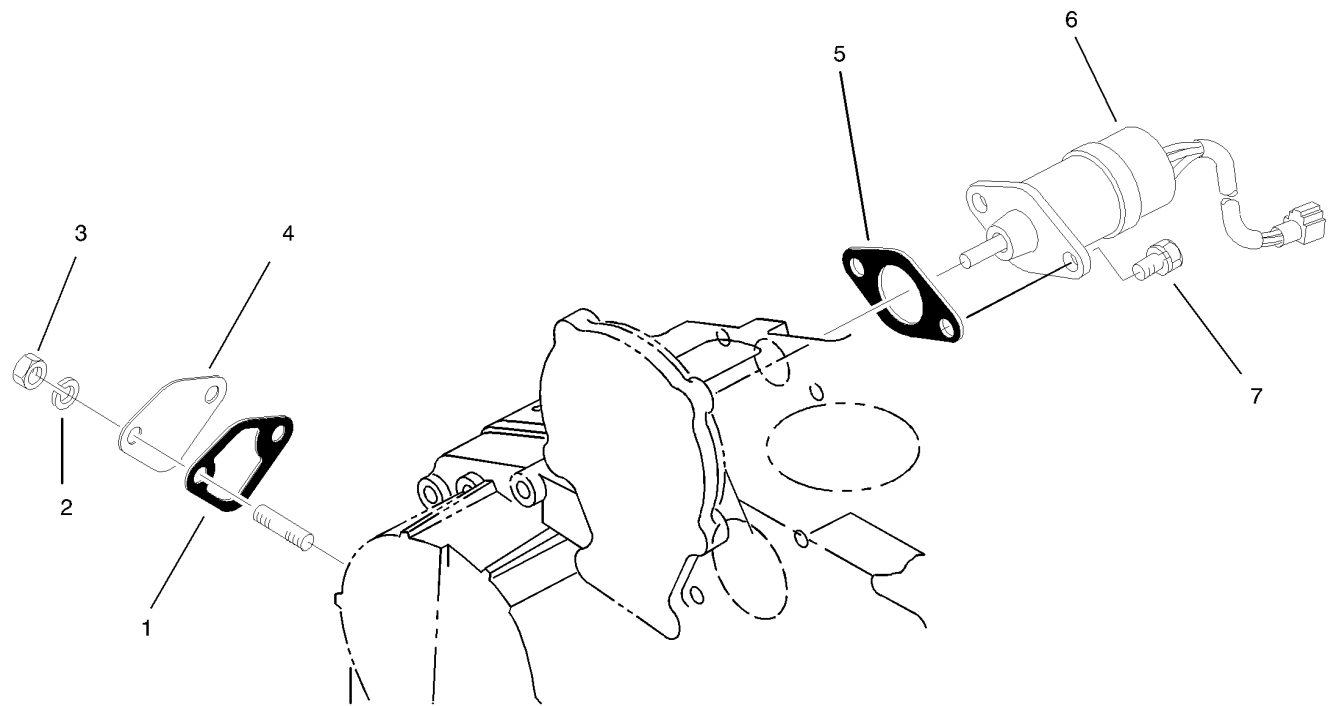
Fuel Camshaft Assembly

Ref	Part No.	Qty.	Description				
1	98-9590	1	Nut-Cap				
4	98-9669	1	Gear-Pump, Injection				
5	98-9350	2	Bolt				
6	98-9511	1	Stopper-Fuel, Camshaft				
7	98-9383	1	Bearing-Ball				
8	98-9595	1	Key-Woodruff				
9	98-9459	1	Camshaft-Fuel				
10	98-9382	1	Bearing-Ball				
11	98-9657	1	Clip-Circular, Governor Shaft				
12	98-9565	1	Screw-Set				
13	98-9644	1	Governor Shaft ASM				
13:1	98-9381	1	Bearing-Ball				
13:2	98-9564	1	Washer-Thrust				
13:3	98-9563	1	Sleeve-Governor				
13:4	98-9560	2	Shaft-Weight, Governor				
13:5	98-9692	2	Roller				
13:6	98-9559	2	Governor Weight ASM				
13:7	98-9673	1	Gear-Governor				
13:8	98-9562	1	Holder-Gear, Governor				
13:9	98-9561	1	Holder-Weight, Governor				



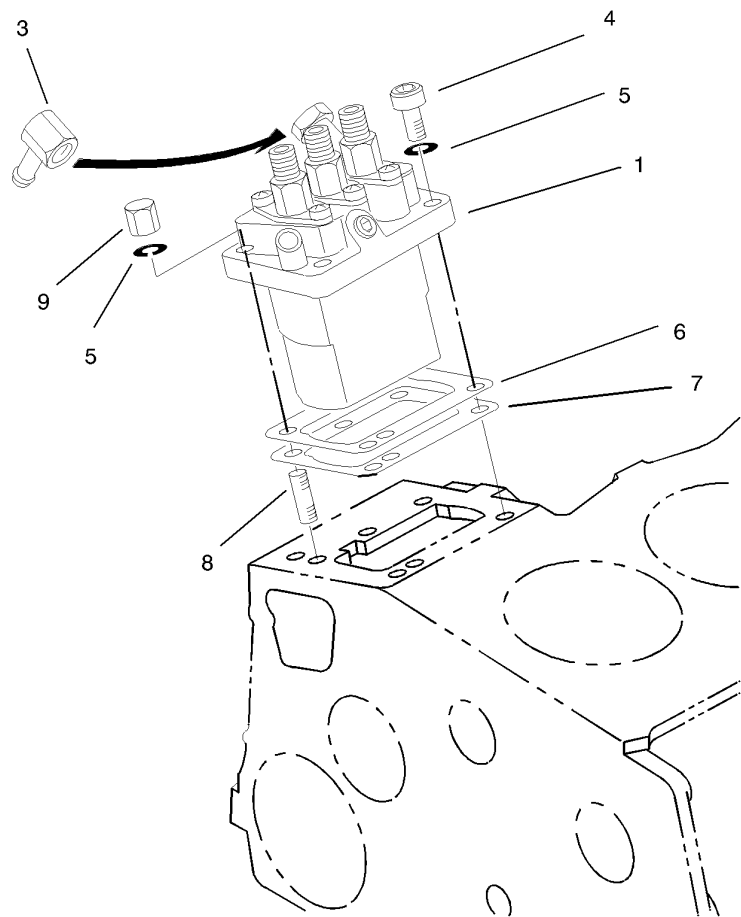
Engine Stop Lever Assembly

Ref	Part No.	Qty.	Description				
1	99-8390	1	Pipe-Lock, Fuel Adj.				
2	99-8387	1	Nut-Cap				
3	98-9678	1	Idle Apparatus ASM				
3:1	98-9558	1	Cap				
3:2	98-9441	2	Nut-Cap				
3:3	98-7654	2	Gasket				
3:4	98-9439	2	Nut				
3:5	98-9679	1	Adjusting Bolt ASM				
3:5:1		1	Spring				
4	99-8389	1	Gasket				
6	99-8386	2	Nut				
7	99-8388	1	Gasket				
8	98-9557	1	Bolt-Adjusting				
10	98-9674	1	Packing				
11	98-7645	1	Bolt				
12	98-9359	1	Bolt				
13	98-9640	1	Cover-Pump				
14	98-7534	1	Nut				



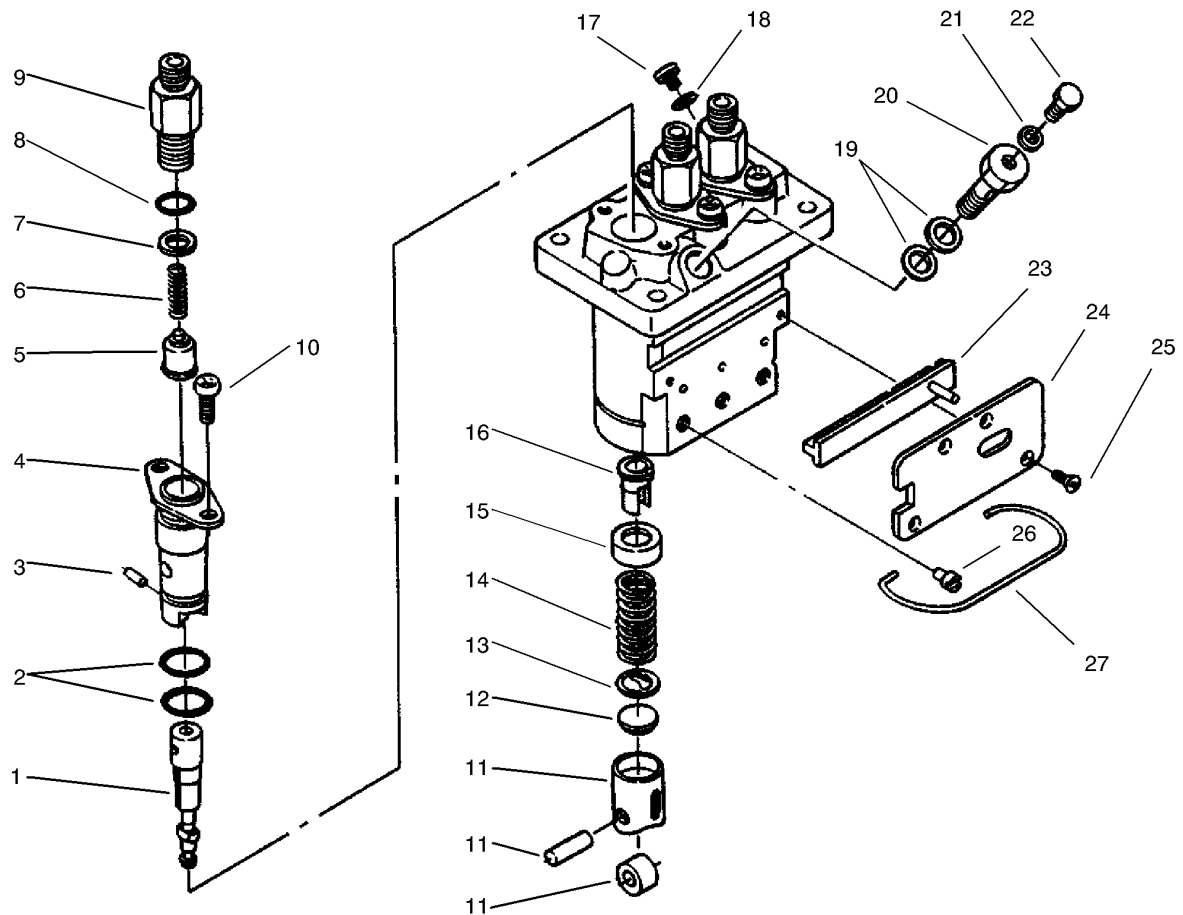
Stop Solenoid and Fuel Pump Assembly

Ref	Part No.	Qty.	Description				
1	98-9636	1	Gasket-Pump, Fuel				
2	98-9367	2	Washer-Spring				
3	98-7572	2	Nut				
4	99-3514	1	Cover				
5	98-9683	1	Gasket-Cover, Solenoid				
6	104-5155	1	Solenoid-Stop				
7	98-9351	2	Bolt				



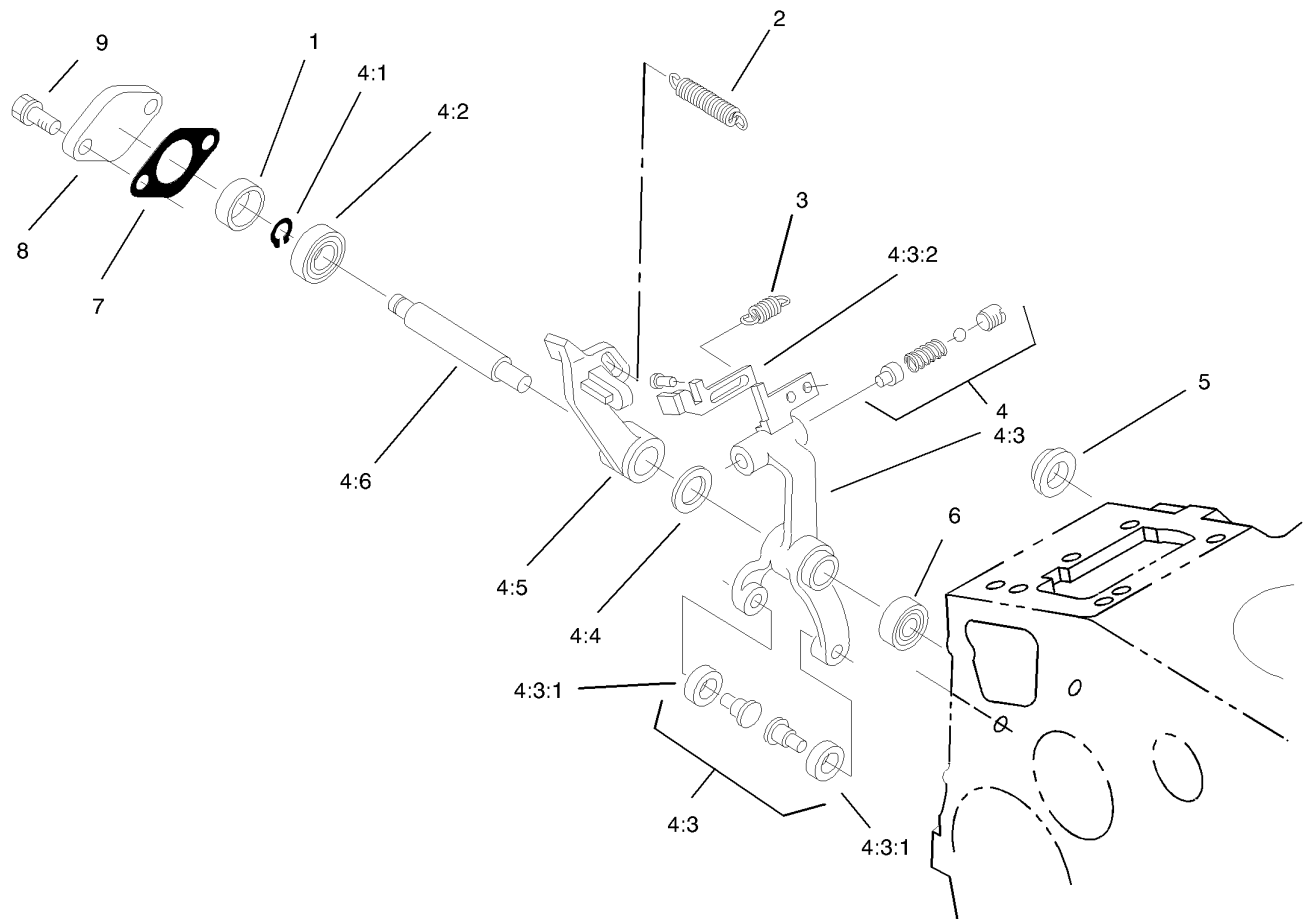
Injection Pump Assembly

Ref	Part No.	Qty.	Description				
1	98-9643	1	Injection Pump ASM				
3	98-9596	1	Joint-Eye				
4	98-9361	2	Bolt-HSH				
5	98-9367	4	Washer-Spring				
6	98-9456	1	Shim (0.2mm)				
6	98-9457	1	Shim-Injection (0.25mm)				
7	98-9458	1	Shim-Injection (0.30mm)				
8	98-9438	2	Stud				
9	98-9440	2	Nut-Cap				



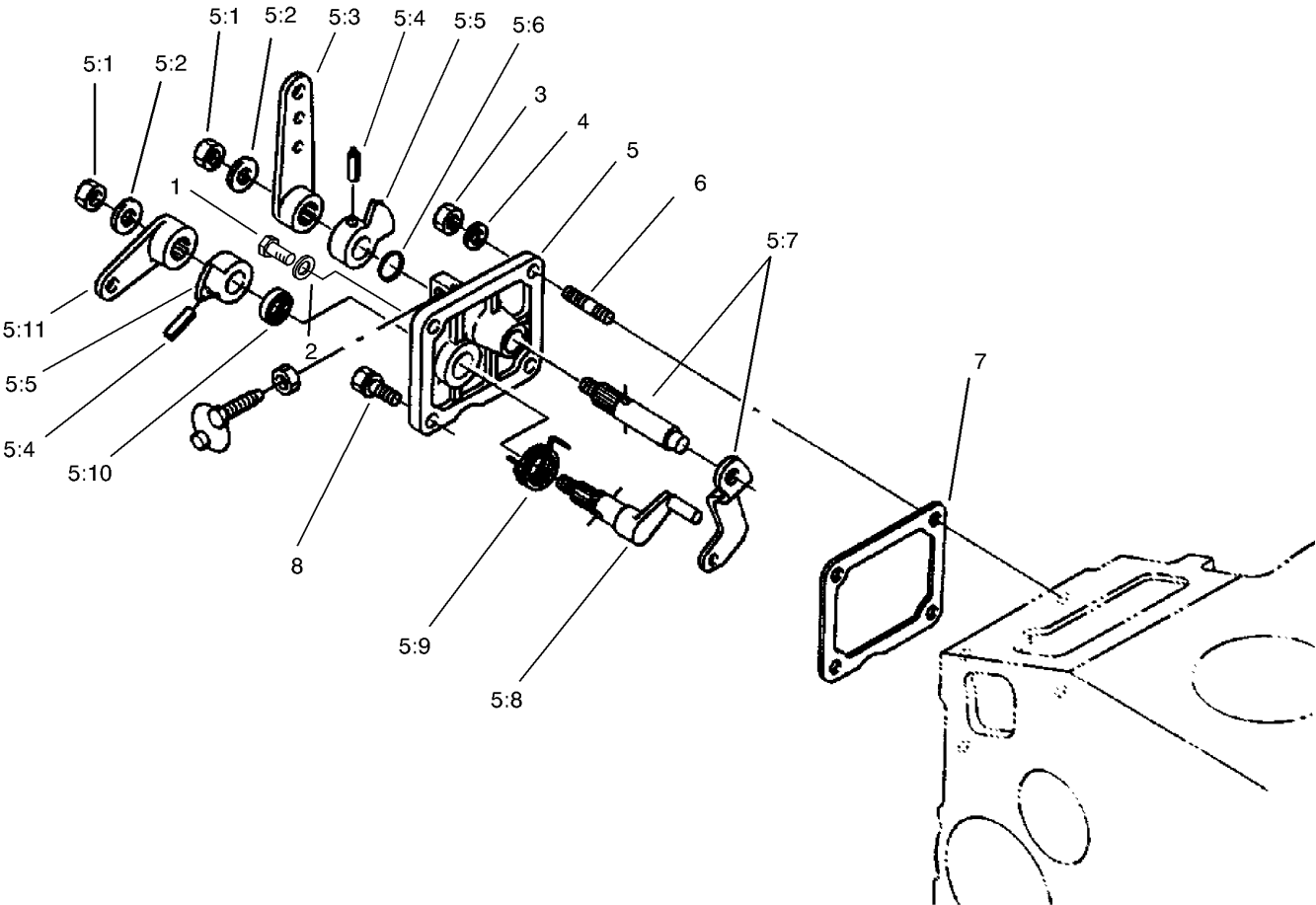
Injection Pump Assembly No. 98-9643

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	98-9462	3	Element-Pump	25	98-9442	4	Screw
2	98-9423	6	O-Ring	26	98-9426	3	Pin-Guide, Tappet
3	98-9443	3	Pin-Joint	27	98-9450	1	Pin-Clamp
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				



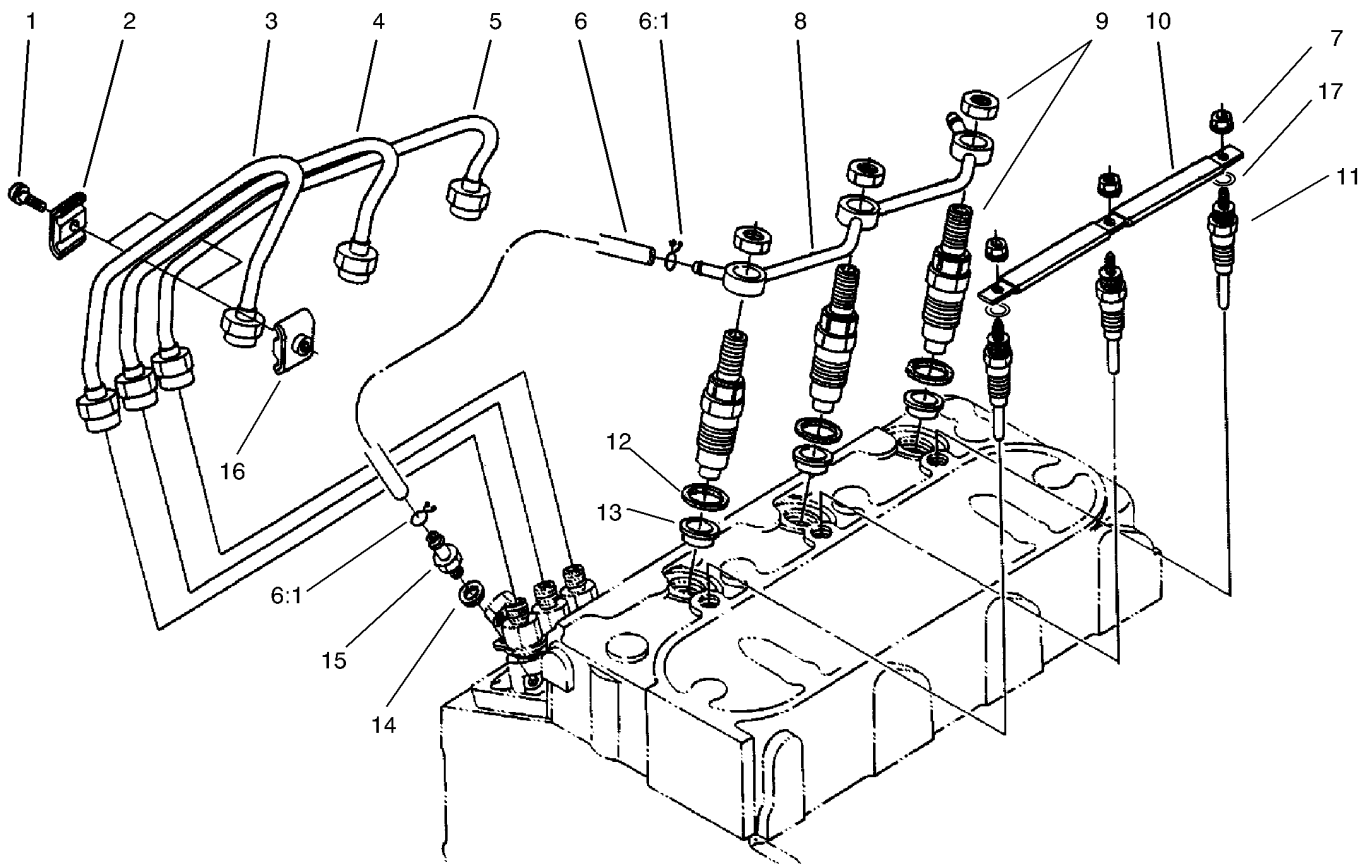
Governor Assembly

Ref	Part No.	Qty.	Description				
1	98-9567	1	Collar				
2	98-9681	1	Spring-Governor				
3	98-9645	1	Spring-Start				
4	98-9680	1	Fork Lever ASM				
4:1	98-9369	1	Clip-Circular, External				
4:2	98-9570	1	Bearing-Miniaturize				
4:3	99-8380	1	Fork Lever ASM				
4:3:1	98-9692	2	Roller				
4:3:2	98-9660	1	Lever-Thrust				
4:4	98-9593	1	Washer-Plain				
4:5	98-9659	1	Lever-Fork				
4:6	98-9566	1	Shaft-Lever, Fork				
5	98-9568	1	Collar				
6	98-9571	1	Bearing-Miniaturize				
7	98-9682	1	Gasket				
8	98-9569	1	Cover-Shaft, Fork Lever				
9	98-9351	2	Bolt				



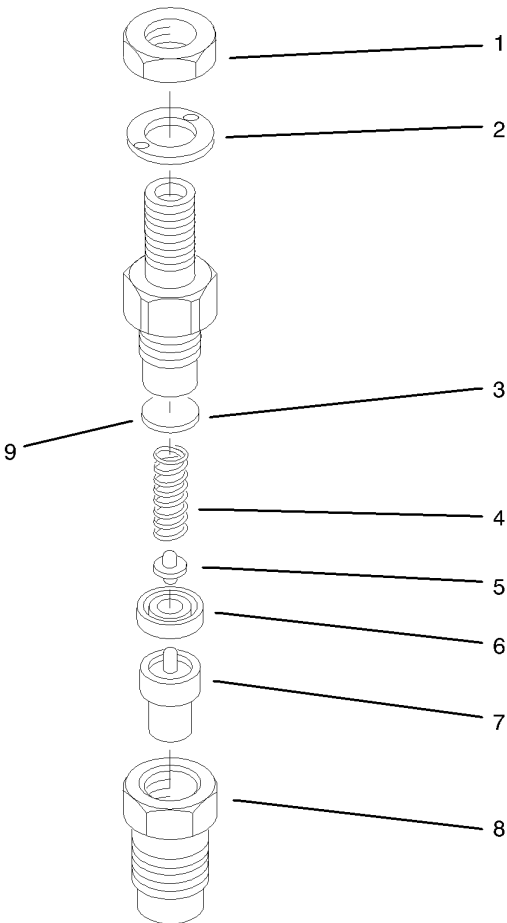
Speed Control Plate Assembly

Ref	Part No.	Qty.	Description				
1	99-8348	1	Bolt				
2	98-7654	1	Gasket				
3	98-7572	2	Nut				
4	98-9367	2	Washer-Spring				
5	98-9661	1	Control Plate ASM				
5:1	98-9589	2	Nut				
5:2	98-9594	2	Washer-Plain				
5:3	98-9662	1	Lever-Control, Speed				
5:4	98-7602	2	Pin-Spring				
5:5	98-9572	2	Lever-Control, Speed				
5:6	98-9371	1	O-Ring				
5:7	98-9658	1	Governor Lever ASM				
5:8	98-9664	1	Shaft-Lever, Stop				
5:9	98-9472	1	Spring-Return				
5:10	98-7601	1	Seal-Oil				
5:11	98-9663	1	Lever-Stop, Engine				
6	98-9362	2	Stud				
7	98-9637	1	Gasket				
8	98-7692	1	Bolt				



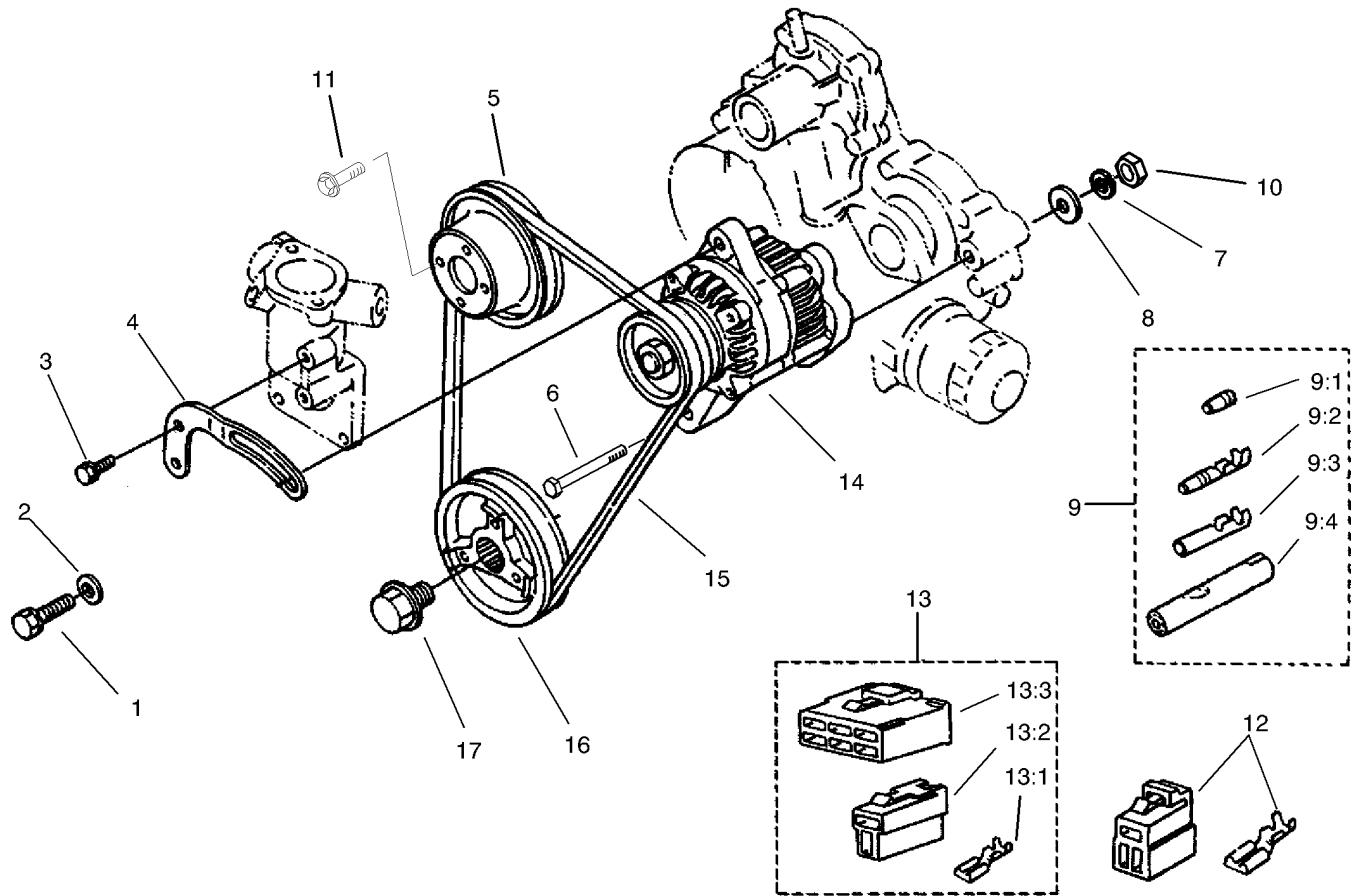
Nozzle Holder and Glow Plug Assembly

Ref	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				



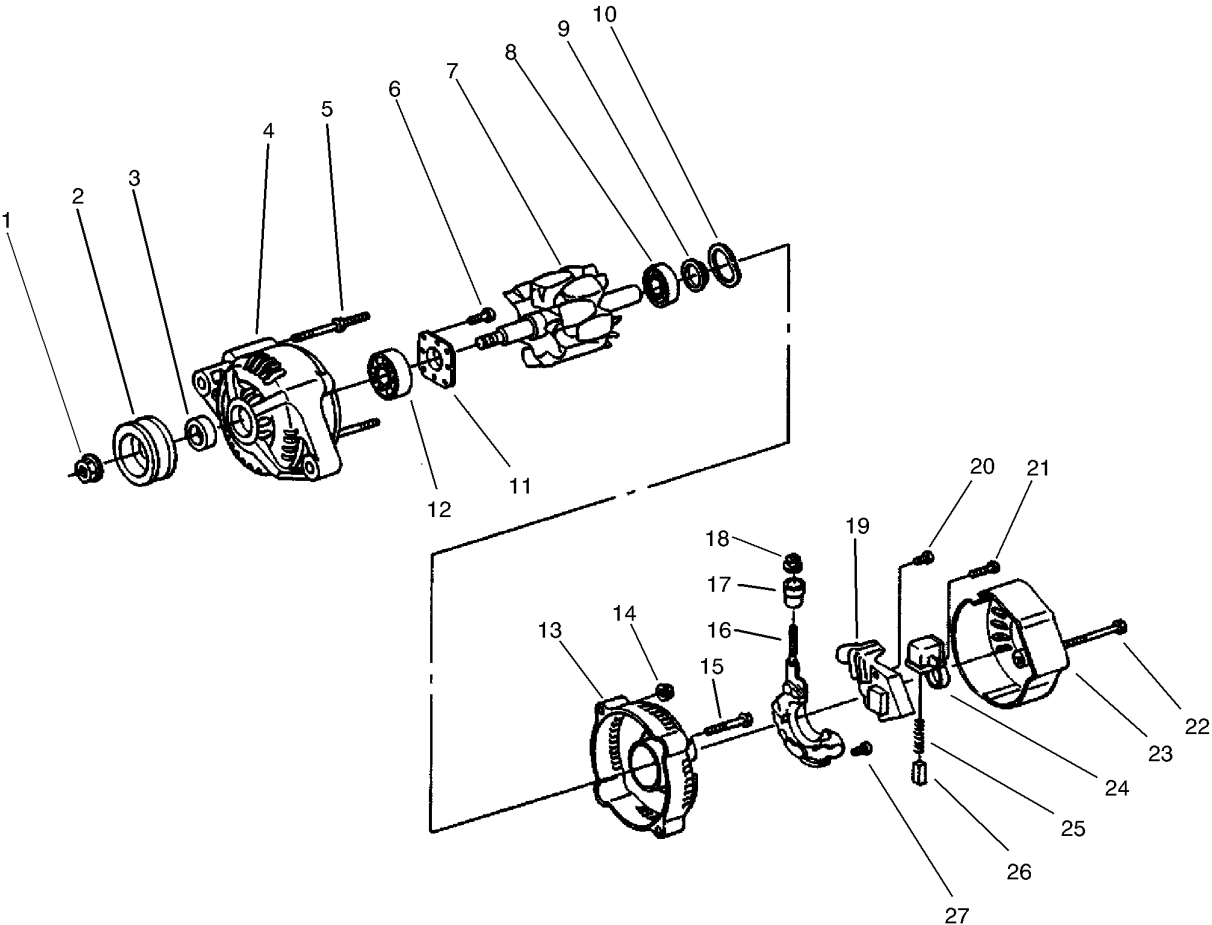
Nozzle Holder Assembly 98-9468

Ref	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	99-8310	3	Washer-Adjust (0.10mm)				
9	99-8309	3	Adjusting Washer ASM				
9	99-8316	3	Washer-Adjust (0.54mm)				
9	99-8315	3	Washer-Adjust (0.52mm)				
9	99-8314	3	Washer-Adjust (0.50mm)				
9	99-8313	3	Washer-Adjust (0.40mm)				
9	99-8312	3	Washer-Adjust (0.30mm)				
9	99-8311	3	Washer-Adjust (0.20mm)				



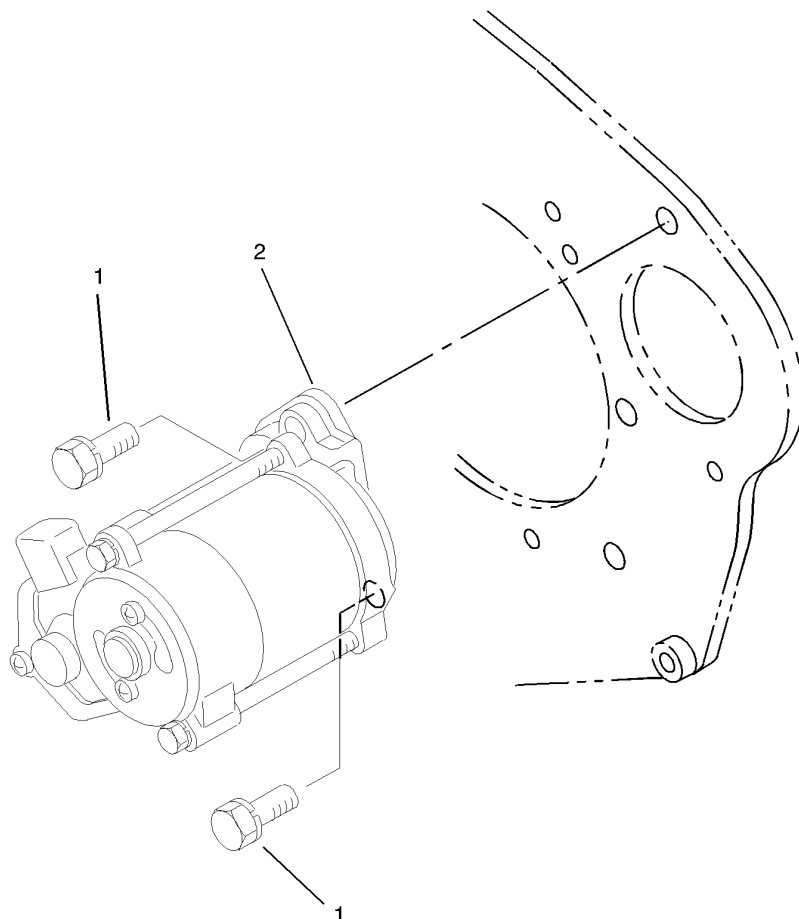
Alternator and Pulley Assembly

Ref	Part No.	Qty.	Description				
1	98-7697	1	Bolt				
2	98-7698	1	Washer-Plain				
3	98-7692	1	Bolt				
4	98-9573	1	Stay-Dynamo				
5	98-9584	1	Pulley-Fan				
6	98-9360	1	Bolt				
7	98-9368	1	Washer-Spring				
8	98-9366	1	Washer-Plain				
9	98-9700	1	Terminal ASM				
9:1	98-9701	1	Terminal				
9:2	98-9702	1	Sleeve				
9:3	98-9703	1	Terminal				
9:4	98-9704	1	Sleeve				
10	98-7737	1	Nut				
11	99-8363	4	Bolt-Flange				
12	98-9602	1	Lock Coupler ASM				
13	98-9696	1	Coupler ASM				
13:1	98-9699	7	Terminal				
13:2	98-9698	1	Connector				
13:3	98-9697	1	Connector				
14	98-9474	1	Alternator ASM				
15	98-9676	1	V-Belt				
16	106-7055	1	Pulley-Drive, Fan				
17	98-9585	1	Bolt				



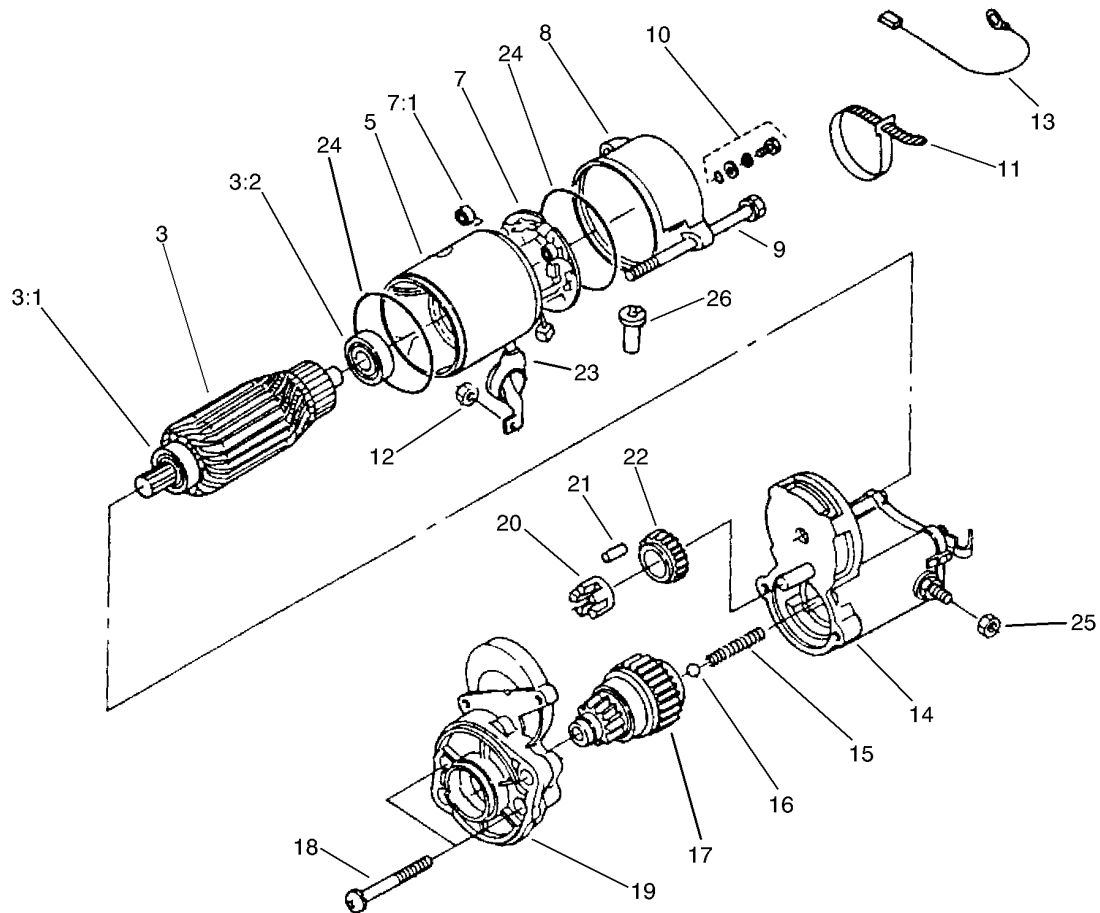
Alternator Assembly No. 98-9474

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	98-7708	1	Nut	25	98-7725	2	Spring-Brush
2	98-9453	1	Pulley-Dynamo	26	98-7724	2	Brush
3	98-7709	1	Collar	27	98-7727	6	Screw-Head, Round
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				



Starter Mount Assembly

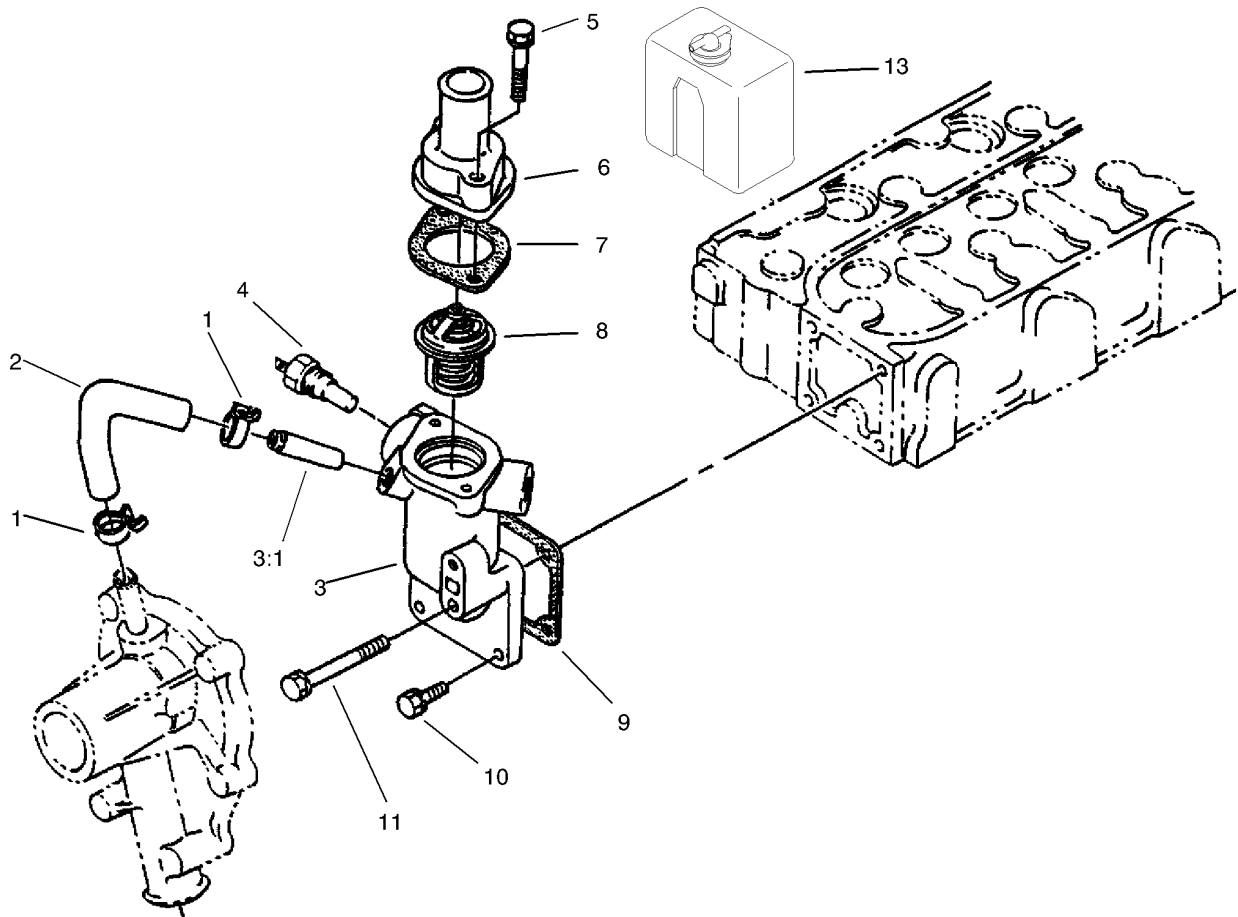
Ref	Part No.	Qty.	Description
1	98-7697	2	Bolt
2	98-9705	1	Starter ASM



Starter Assembly No. 98-9705

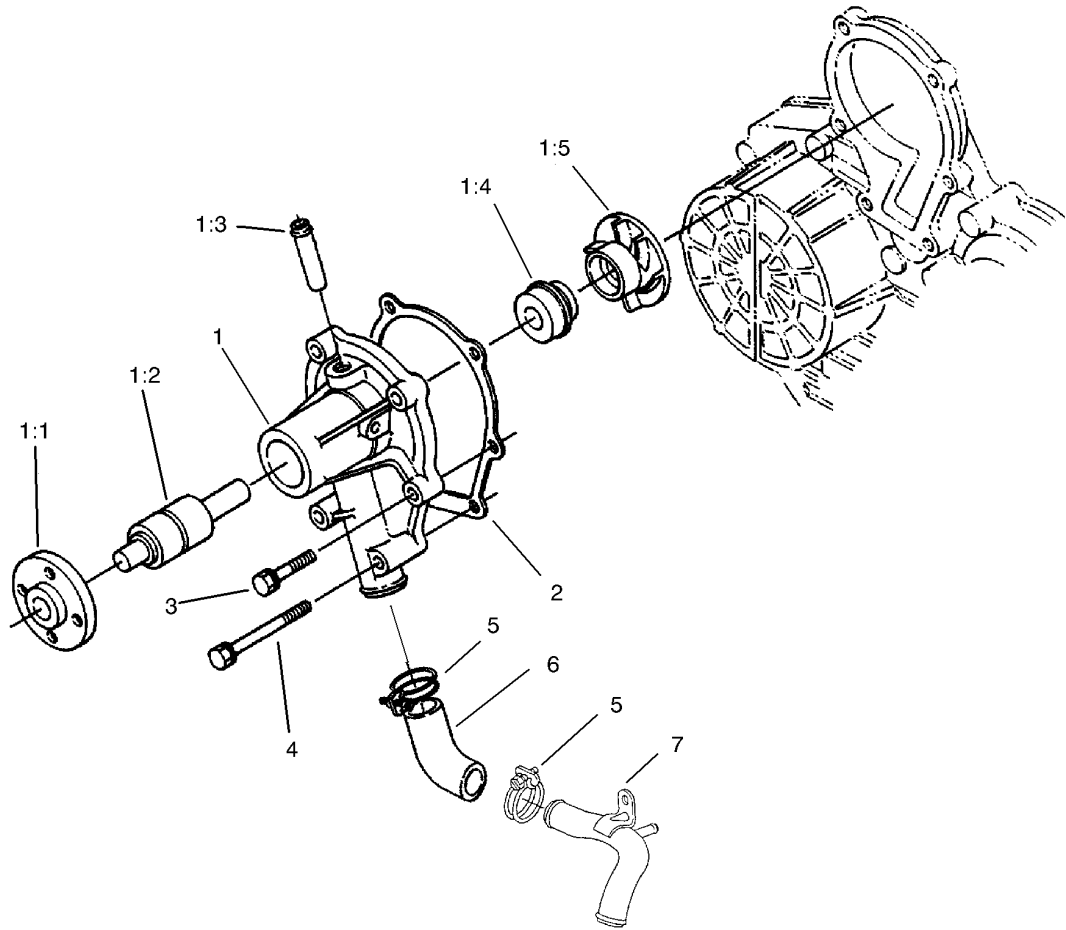
Ref	Part No.	Qty.	Description
3	98-7742	1	Armature ASM
3:1	98-7743	1	Bearing
3:2	98-7744	1	Bearing
5	98-7741	1	Yoke ASM
7	98-7749	1	Brush Holder ASM
7:1	98-7750	4	Spring-Brush
8	99-8370	1	Frame-End
9	98-9549	2	Bolt
10	98-7758	2	Bolt ASM
11	98-9712	1	Band-Cover
12	99-8371	1	Nut-Hex
13	98-9711	1	Cord-Solenoid, Stop
14	99-8372	1	Magnetic Switch ASM
15	98-7754	1	Spring
16	98-7755	1	Ball
17	99-8373	1	Clutch-Running, Over
18	98-7756	2	Bolt
19	99-8374	1	Frame-End, Drive
20	98-7752	1	Retainer
21	98-7753	5	Roller
22	98-7751	1	Gear
23	99-8375	1	Cover
24	98-7757	2	O-Ring
25	99-8376	1	Nut-Hex

Ref	Part No.	Qty.	Description
26	98-7759	1	Pipe-Drain



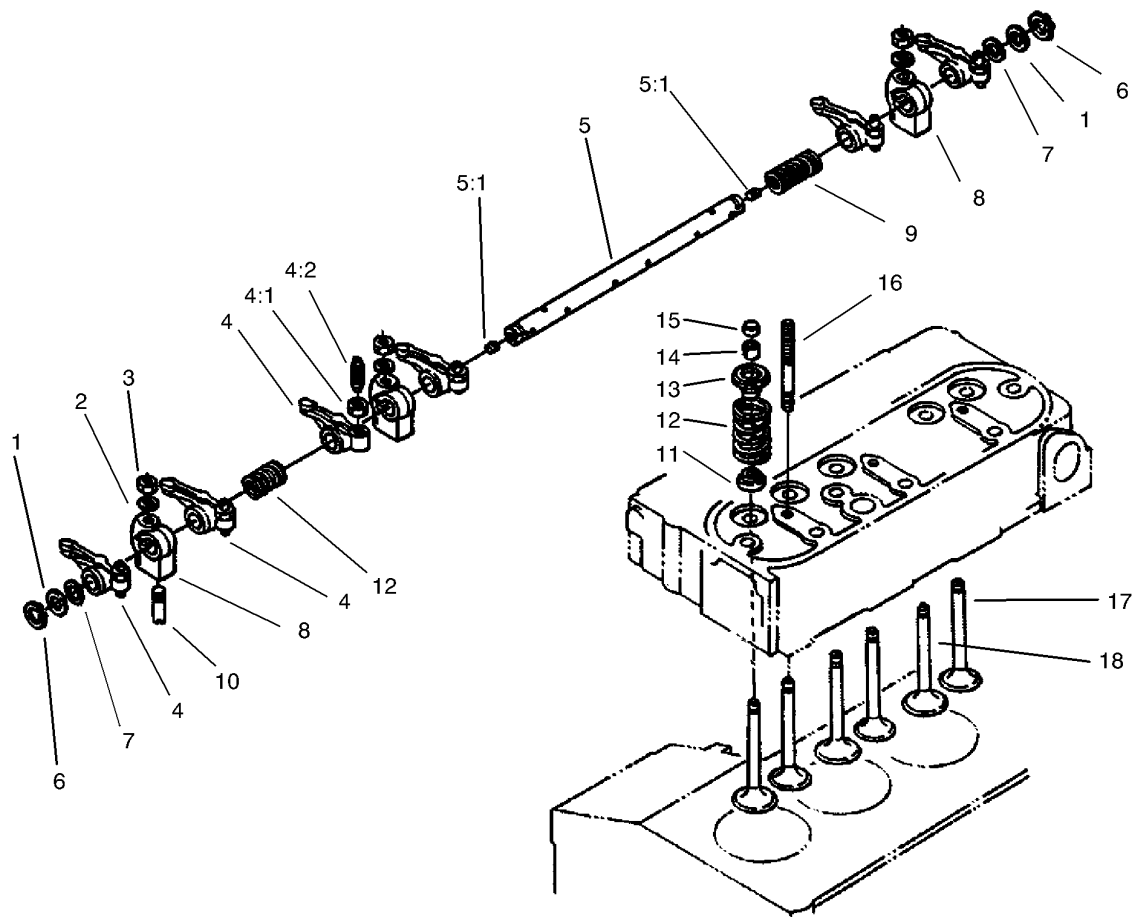
Water Flange and Thermostat Assembly

Ref	Part No.	Qty.	Description				
1	98-9579	2	Band-Pipe				
2	98-9578	1	Pipe-Return, Water				
3	98-9713	1	Water Flange ASM				
3:1	98-9580	1	Pipe-Return, Water				
4	98-9719	1	Thermoswitch				
5	98-7777	2	Bolt				
6	98-9471	1	Cover-Thermostat				
7	98-7776	1	Gasket				
8	98-7778	1	Thermostat ASM				
9	98-9638	1	Gasket-Flange, Water				
10	98-7692	3	Bolt				
11	98-9356	1	Bolt				
13	104-9318	1	Bottle-Overflow				



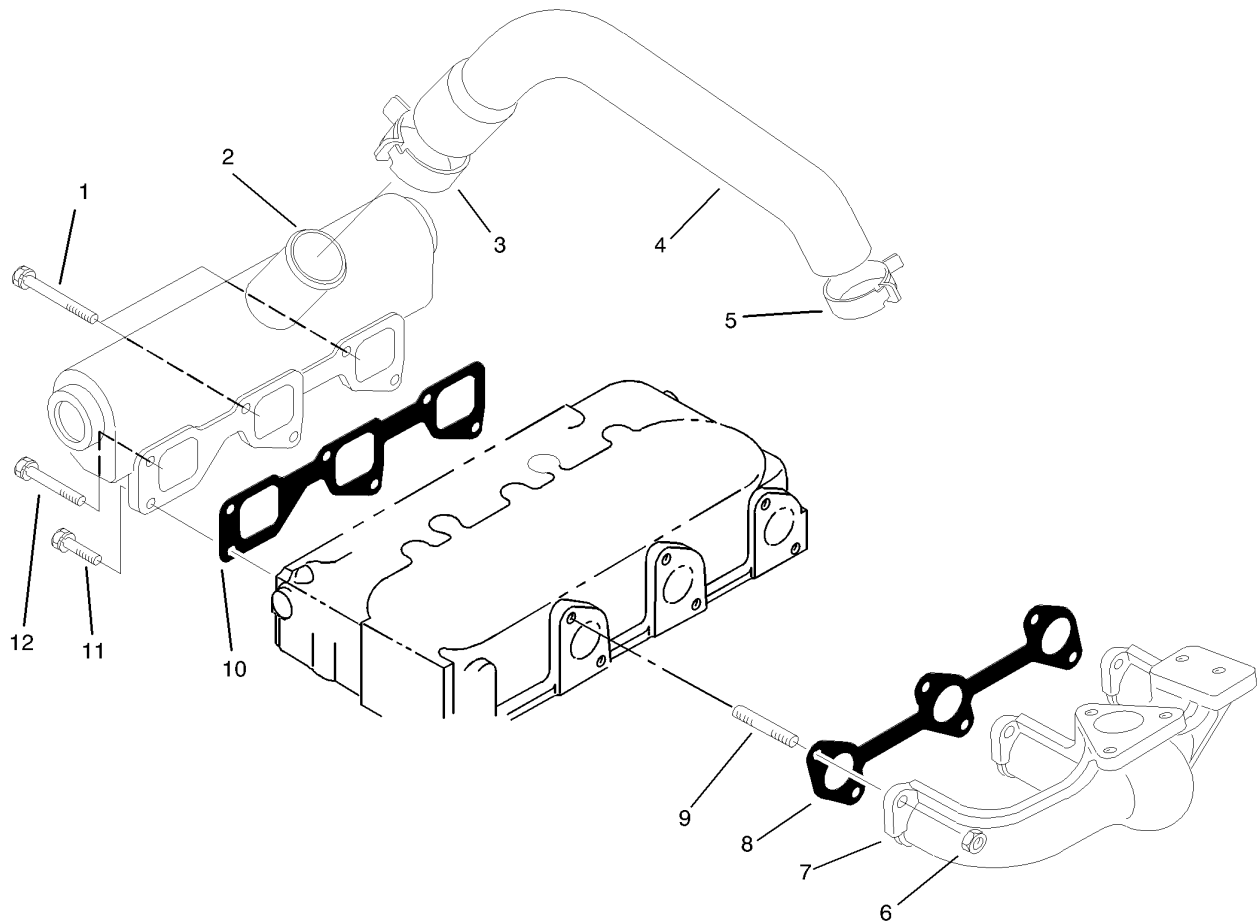
Water Pump Assembly

Ref	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-Pump, Water				
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				



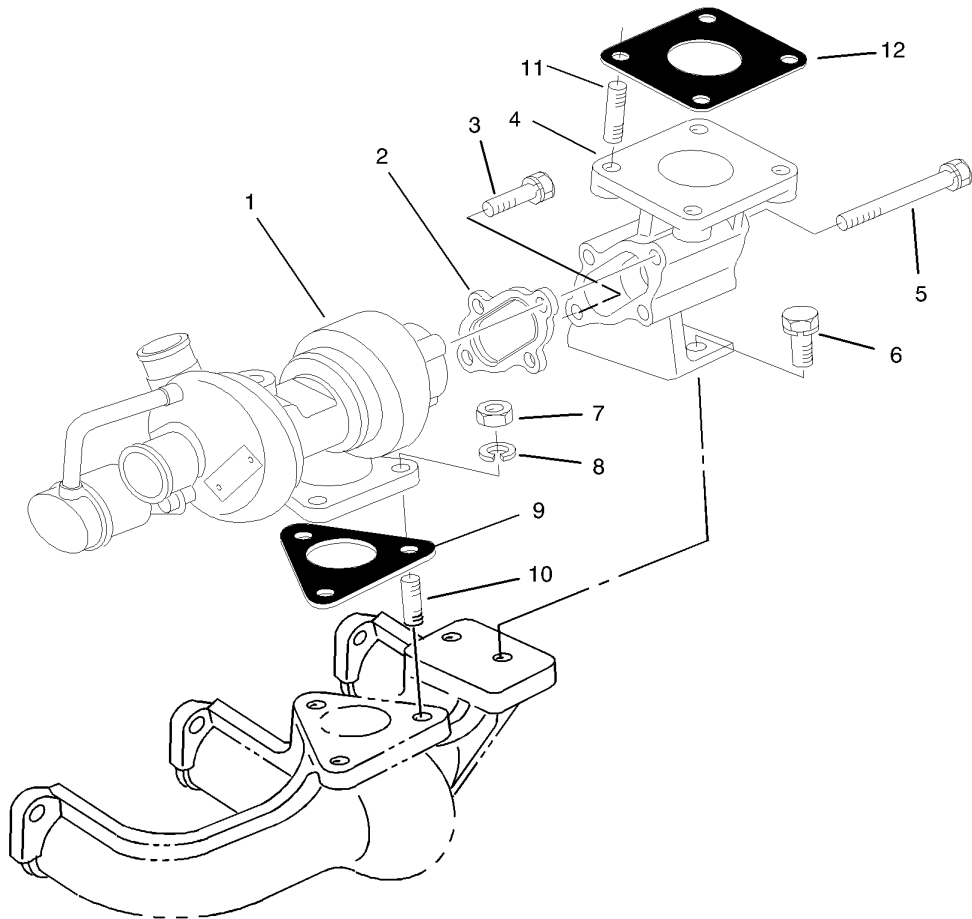
Valve and Rocker Arm Assembly

Ref	Part No.	Qty.	Description				
1	98-9508	2	Washer-Shaft, R-Arm				
2	98-9385	3	Washer-Flat				
3	98-9393	3	Nut				
4	98-9501	6	Rocker Arm ASM				
4:1	98-9503	6	Nut				
4:2	98-9502	6	Screw-Adjusting				
5	98-9612	1	R-Arm Shaft ASM				
5:1	98-9365	2	Screw-Set				
6	98-9370	2	Clip-Circular, External				
7	98-9507	2	Washer-Shaft, R-Arm				
8	98-9505	3	Bracket-Arm, Rocker				
9	98-9504	2	Spring-Arm, Rocker				
10	98-9391	1	Screw-Set, Rocker Arm				
11	98-9496	6	Seat-Stem, Valve				
12	98-9626	6	Spring-Valve				
13	98-9498	6	Retainer-Valve				
14	98-9390	6	Collet-Set, Valve Spring				
15	98-9497	6	Cap-Valve				
16	98-9506	3	Stud				
17	98-9625	3	Valve-Exhaust				
18	98-9494	3	Valve-Inlet				



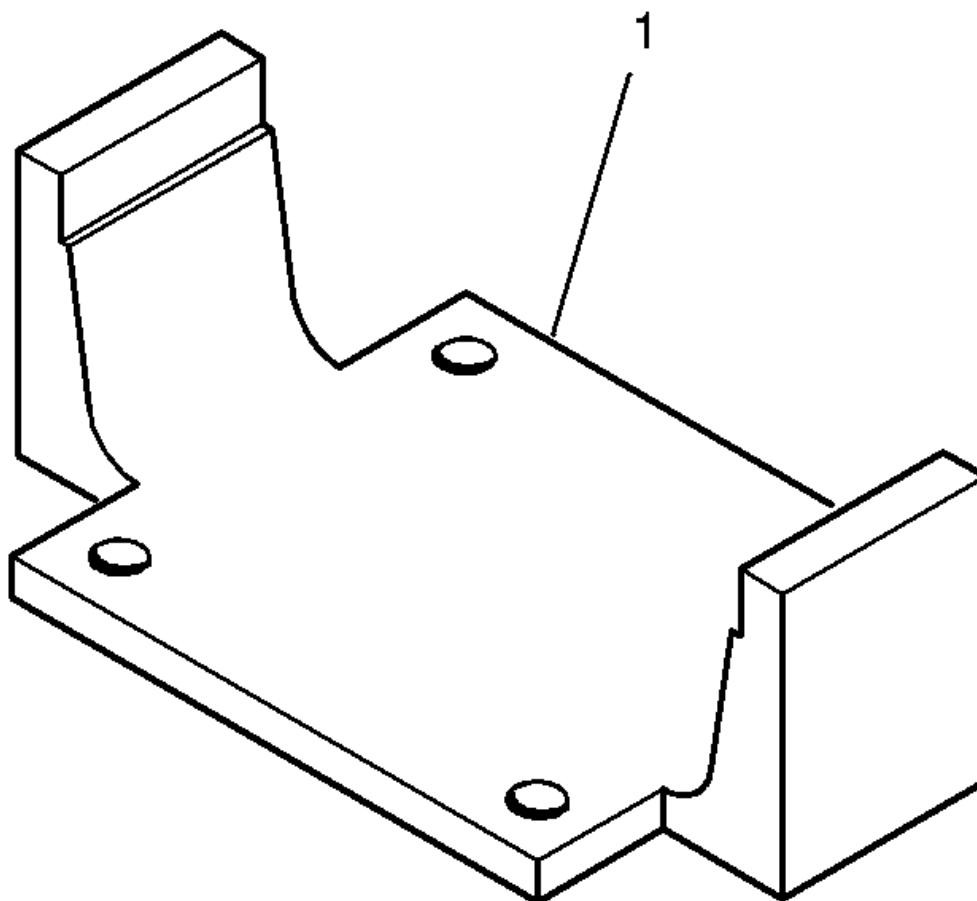
Exhaust Manifold and Gasket Assembly

Ref	Part No.	Qty.	Description				
1	99-8320	2	Bolt				
2	99-8321	1	Manifold-Inlet				
3	99-8322	1	Band-Pipe				
4	99-8323	1	Hose-Inlet				
5	99-8324	1	Band-Pipe				
6	98-9665	6	Nut				
7	99-8326	1	Manifold-Exhaust				
8	99-8327	1	Gasket-Manifold, Exhaust				
9	98-9588	6	Stud				
10	99-8329	1	Gasket-Manifold, Intake				
11	98-7568	3	Bolt				
12	98-7496	1	Bolt				



Turbo Charger Assembly

Ref	Part No.	Qty.	Description				
1	99-8332	1	Turbo Charger ASM				
2	99-8333	1	Gasket				
3	99-8334	1	Bolt				
4	99-8335	1	Flange-Muffler				
5	99-8336	3	Bolt				
6	98-7610	2	Bolt				
7	98-7534	3	Nut				
8	99-8339	3	Washer-Spring				
9	99-8340	1	Gasket				
10	99-8341	3	Stud				
11	99-8342	4	Stud				
12	99-8343	1	Gasket-Muffler				



Special Tools Axle Tool No. *TOR859920

Ref	Part No.	Qty.	Description
③1		1	Tool-Axle

