



Form No. 3352-647 Rev A

Count on it.

Parts Catalog

Reelmaster® 4000-D 2 Wheel Drive

Model No. 03706—Serial No. 240000126 and Up



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 illustration and in parts lists.

Reference Numbers Indicating Quantity

In an illustration, if a reference number indicates more than one part, the reference number has the form nX y. The n represents the quantity of the part, the X is the multiplication symbol, and the y represents the reference number.

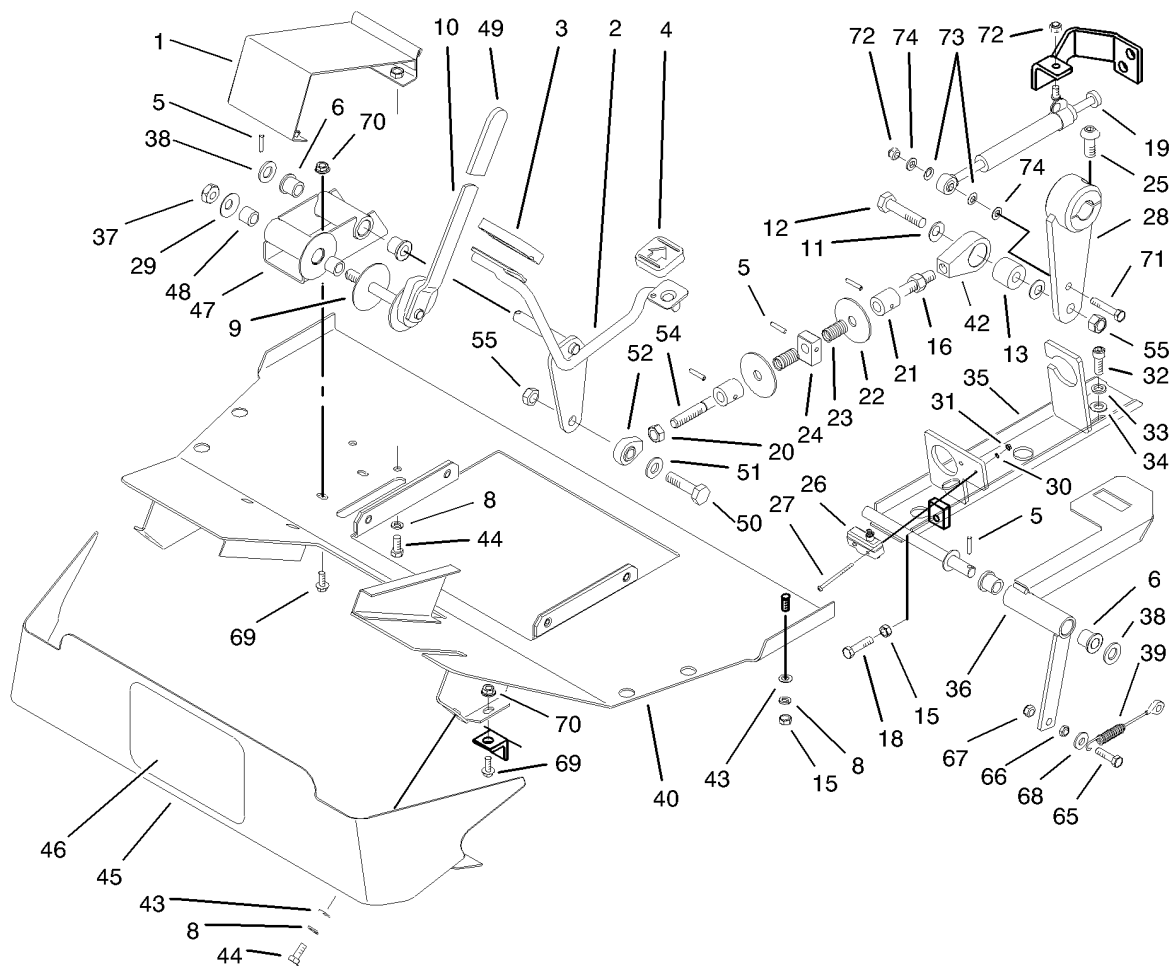
For example, in an illustration, the reference number 2X 37 means that two of the parts identified by reference number 37 are indicated.

Contents

Foot Rest and Traction Pedal Assembly	5
Floor Plate Assembly	7
Steering Tower Assembly	8
Steering Control Assembly No. 92-9220	9
Steering Tower Electrical Assembly	10
Center Console Assembly	11
Instrument Panel Assembly	12
Parking Brake, Throttle and Oil Filter Assembly	13
Valve Control Assembly	15
Valve Motor Spool Assembly No. 63-4800	17
Control Valve Assembly No. 93-1432	18
Priority Flow Control Valve Assembly No. 58-5490	19
Seat Platform and Filler Cap Assembly	20
Suspension Seat Assembly No. 106-9988	21
Front and Rear Canopy Assembly	22
Radiator, Oil Cooler and Air Cleaner Assembly	24
Air Filter Assembly No. 100-2597	26
Fuel Filter Assembly No. 104-5218	27
Fuel Tank and Lower Body Assembly	28
Front Carrier Assembly	29
Front Reel Shut-Off Assembly	30
Reel Shut-Off Valve Assembly No. 58-5460	31
Front Lift Arm and A-Frame Assembly	32
Reel Motor Assembly No. 93-1412	33
Hydraulic Cylinder Assembly No. 104-5225	34
Rear Lift Arm and Shut-Off Assembly	35
Front Wheel and Motor Assembly	37
Wheel Motor Assembly No. 58-5430	38
Drive Gear Assembly No. 108-1434-03	39
Engine Installation Assembly	40
Engine Attachment Assembly	41
Hydraulic Pump Assembly	42
Gear Pump Assembly No. 99-6495	43
Variable Piston Pump Assembly No. 99-6494	44
Pump Assembly No. 86-6000-01	45
Hydraulic Circuit - Steering and Traction Assembly	46
Hydraulic Circuit - Lift Arm Assembly	47
Hydraulic Circuit - Cutting Unit Assembly	48
Rear Axle Assembly	49
Hydraulic Cylinder Assembly No. 77-4800	50
Frame and Muffler Assembly	52
Electrical System Diagram	54
Crankcase Assembly	56
Oil Pan Assembly	57
Cylinder Head Assembly	58
Gear Case Assembly	59
Valve Cover Assembly	60
Main Bearing Case Assembly	61
Camshaft Assembly	62
Piston and Crankshaft Assembly	63
Flywheel Assembly	64
Fuel Camshaft Assembly	65
Engine Stop Lever Assembly	66
Injection Pump Assembly	67

Contents (continued)

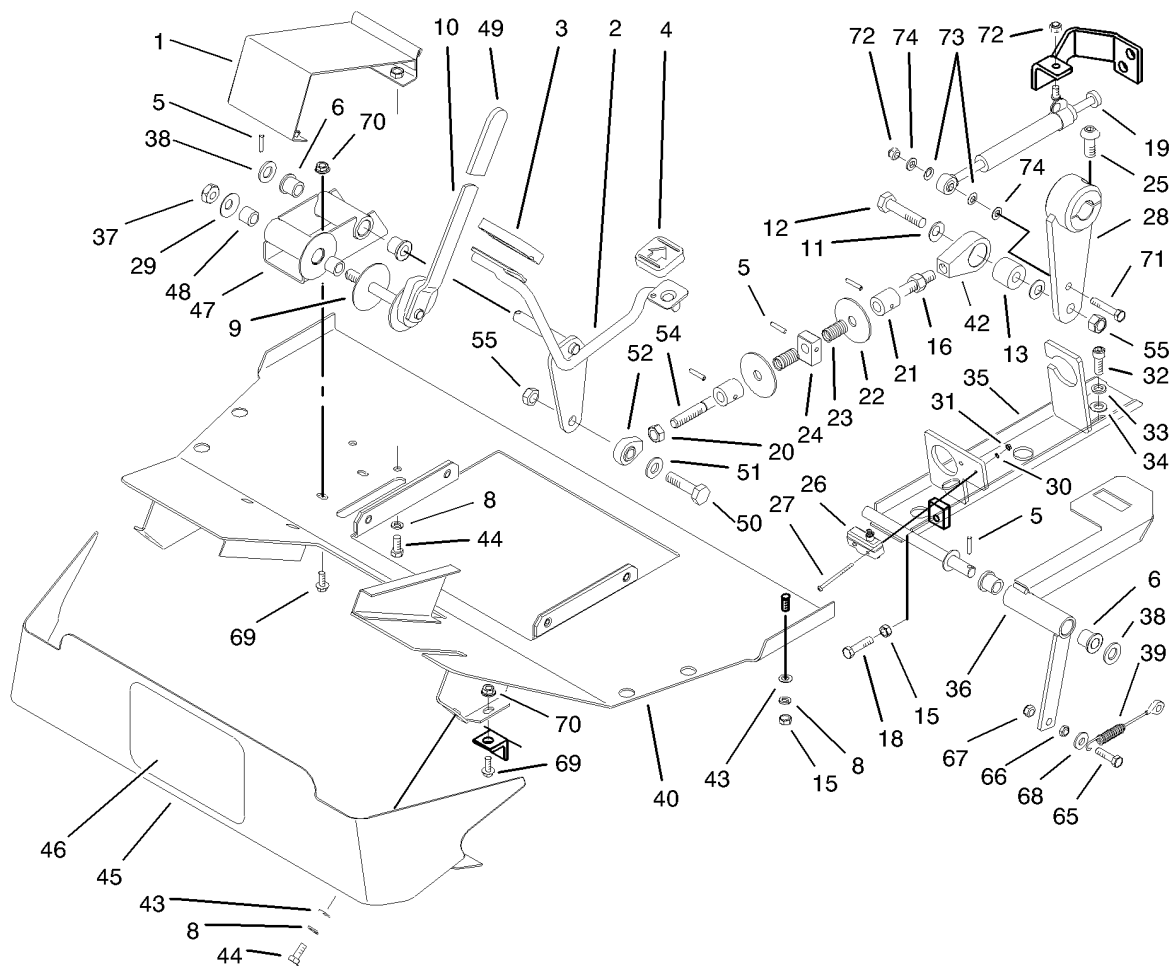
Injection Pump Assembly No. 98-7606.....	68
Governor Assembly	69
Speed Control Plate Assembly.....	70
Nozzle Holder and Glow Plug Assembly	71
Nozzle Holder Assembly No. 98-7688	72
Sealing Cap Assembly	74
Alternator and Pulley Assembly	75
Alternator Assembly No. 98-7693	76
Starter Assembly	77
Starter Assembly No. 98-7734.....	78
Oil Switch and Plug Assembly	79
Water Flange and Thermostat Assembly	80
Water Pump Assembly	81
Valve and Rocker Assembly	82
Inlet Manifold Assembly	83
Exhaust Manifold Assembly	84
Special Tools.....	85



Foot Rest and Traction Pedal Assembly

Ref.	Part Number	Qty.	Description
1	58-9580-03	1	Rest-Foot
2	60-0640-01	1	Pedal-Traction
3	74-9100	1	Pad-Pedal, Forward
4	74-9110	1	Pad-Pedal, Reverse
5	60-2110	5	Pin
6	48-6790	4	Bearing
8	42-9850	10	Washer-Lock, Spring
9	3-2858	1	Disc-Friction
10	60-1130	1	Lever
11	3290-483	3	Washer-Conical
12	325-9	1	Screw-HH
13	47-7030	1	Bushing-Rubber
15	33014-00	5	Nut-Hex
16	3217-9	1	Nut-HH
18	48-7740	2	Screw
19	48-7100	1	Damper-Steering
20	3219-5	1	Nut-Hex
21	58-4310	2	Collar-Pinned
22	58-5100	2	Washer-Traction
23	60-5700	2	Spring
24	58-9010	1	Tab-Clamp
25	3274-89	1	Screw-HSH
26	29-6163	1	Switch-Micro
27	3249-11	2	Screw-Machine
28	98-1209-03	1	Lever-Pump
29	60-6990	1	Washer
30	3255-24	2	Washer-Lock / EXT
31	3217-29	2	Nut-Hex

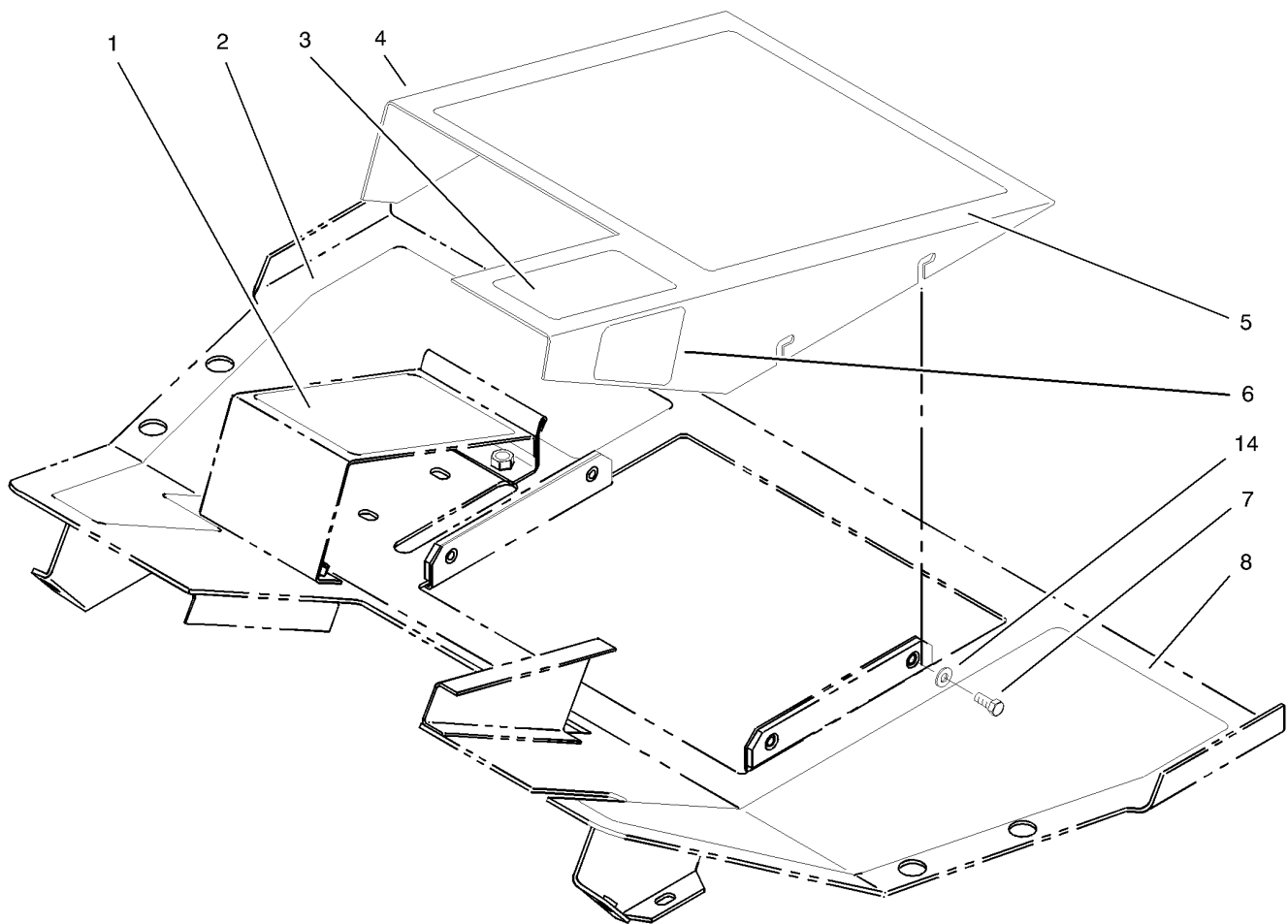
Ref.	Part Number	Qty.	Description
32	3274-7	2	Screw-HSH
33	3253-5	2	Washer-Lock
34	3256-24	2	Washer-Flat
35	60-0730-01	1	Bracket-Lock, Neutral
36	92-9228-03	1	Lever
37	3296-19	1	Nut-Hex
38	60-6740	3	Washer
39	92-9221	1	Cable ASM
40	92-4730-03	1	Plate-Floor
42	60-0760	1	Clevis-Rod, Traction
43	33094-00	8	Washer-Plain
44	33114-020	7	Screw-HH
45	58-0400-01	1	Shroud
46	62-7400	1	Decal
47	60-0600-03	1	Bracket-Pivot
48	60-1110	2	Bushing
49	3-7877	1	Grip-Handle
50	325-7	1	Screw-HH
51	3256-26	1	Washer-Flat
52	2411-44	1	End-Rod
54	76-3430	1	Rod-Traction
55	3296-25	2	Nut-Lock, NI
65	322-6	1	Screw-HH
66	3218-2	1	Nut-Jam
67	3296-29	1	Nut-Lock, NI
68	3256-3	1	Washer-Flat
69	3234-5	4	Screw-HHF
70	32128-20	4	Nut-HF



Foot Rest and Traction Pedal Assembly (continued)

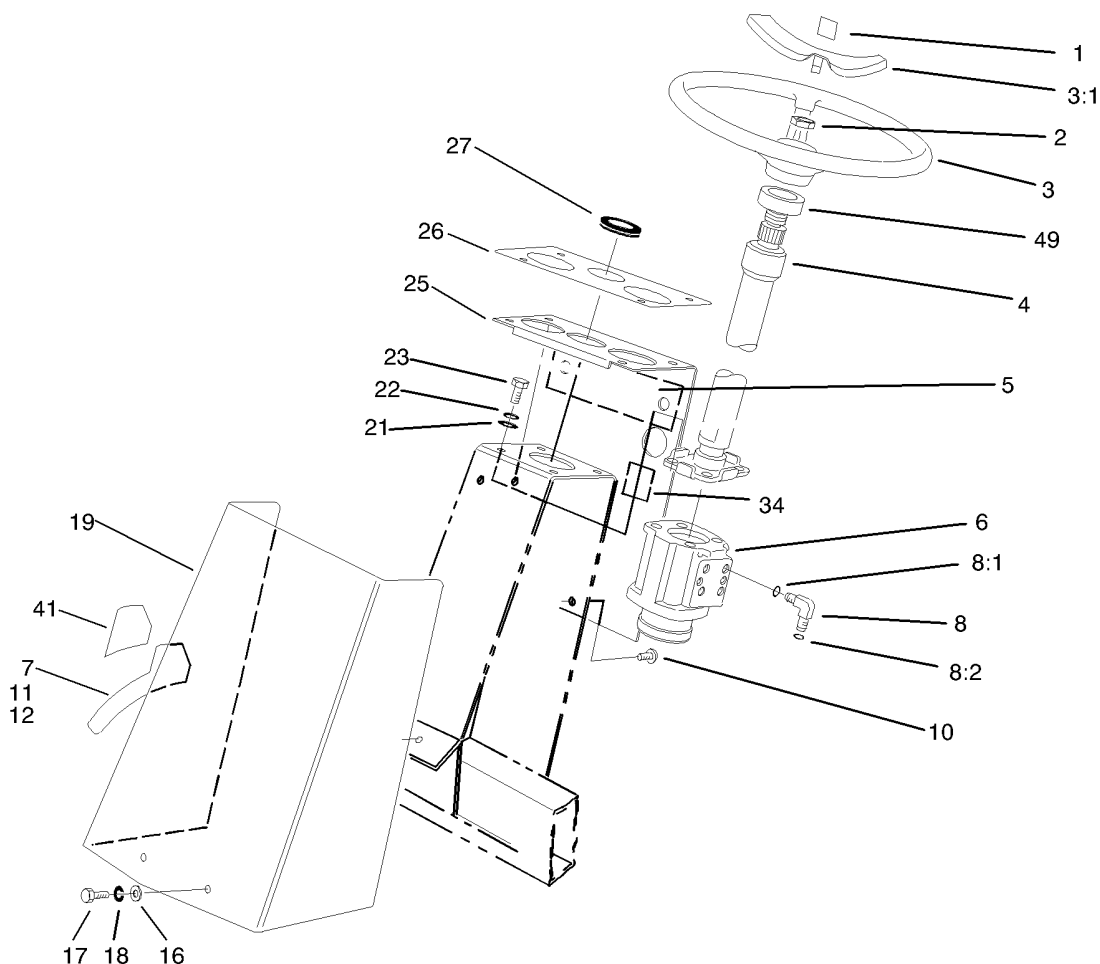
Ref.	Part Number	Qty.	Description
71	33114-045	1	Screw-HH
72	33024-00	2	Nut-Lock, NI

Ref.	Part Number	Qty.	Description
73	3290-482	2	Washer-Belleville
74	33094-00	2	Washer-Plain



Floor Plate Assembly

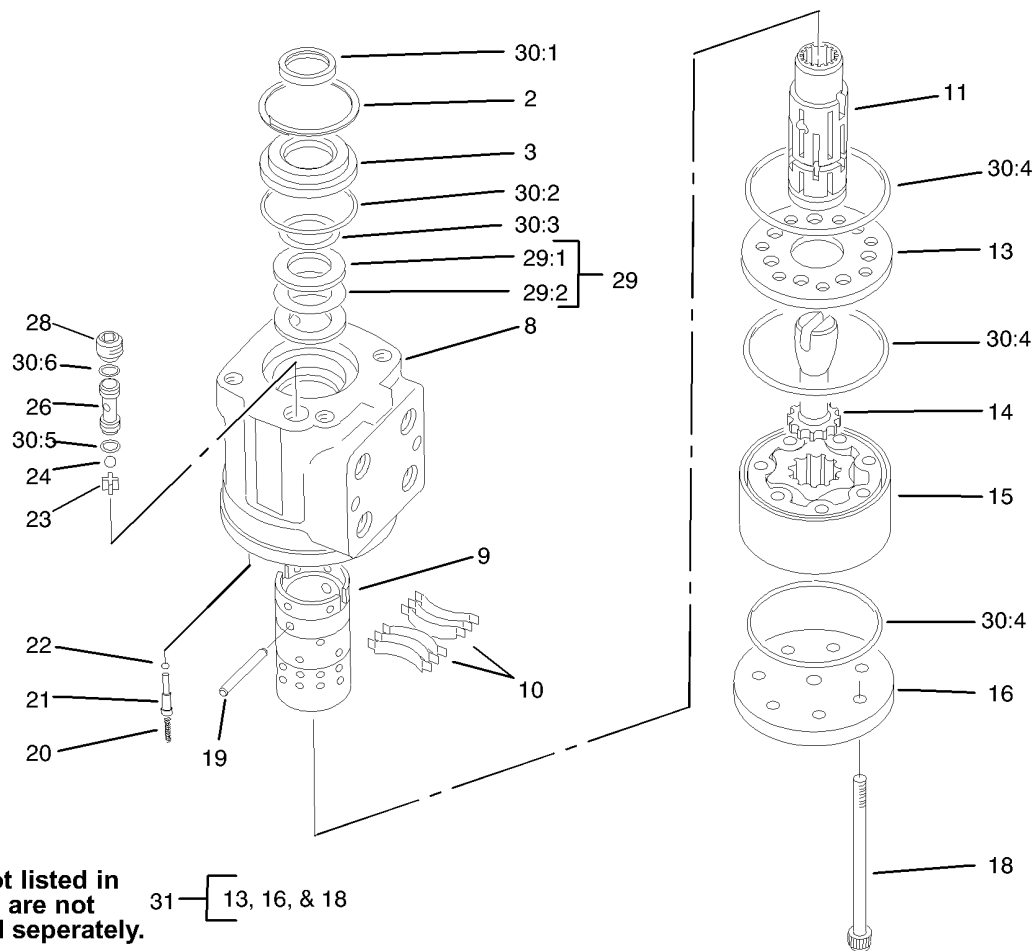
Ref.	Part Number	Qty.	Description
1	59-7280	1	Pad-Pedal, Traction
2	58-6510	1	Pad-Footrest, RH
3	62-6440	1	Pad-Foot
4	58-7390-03	1	Footrest
5	58-6630	1	Pad-Floor, Center
6	93-9409	1	Decal-Latch
7	33113-016	3	Screw-HH
8	58-6620	1	Pad-Footrest, LH
14	3256-16	3	Washer-Flat



Steering Tower Assembly

Ref.	Part Number	Qty.	Description
1	98-1459	1	Decal
2	94-9952	1	Nut-Hex
3	98-1471	1	Wheel-Steering
3:1	98-1468	1	Cover-Wheel, Steering
4	98-3808	1	Column-Steering
5	93-9399	1	Decal-Noise
6	92-9220	1	Steering Control ASM
7	93-9397	1	Decal-Speed, Ground
8	340-18	4	Fitting-HYD, 90 DEG
8:1	237-79	1	O-Ring
8:2	237-22	1	O-Ring
10	60-3260	1	Screw-PPH
11	63-4330	1	Decal-Overlay, 5 Blade
12	63-4340	1	Decal-Overlay, 11 Blade

Ref.	Part Number	Qty.	Description
16	33093-00	2	Washer-Flat
17	33113-012	2	Screw-HH
18	43-5930	2	Washer-Lock, Spring
19	58-0500-01	1	Cover-Valve, Steering
21	3256-24	4	Washer-Flat
22	3253-5	4	Washer-Lock
23	323-8	4	Screw-HH
25	82-9310-03	1	Panel-Display
26	107-1817	1	Decal-Panel, Display
27	60-0790	1	Grommet
34	105-4674	1	Decal-Noise
41	93-9427	1	Decal-Clip, 5 Blade
49	21-9260	1	Cover-Dust

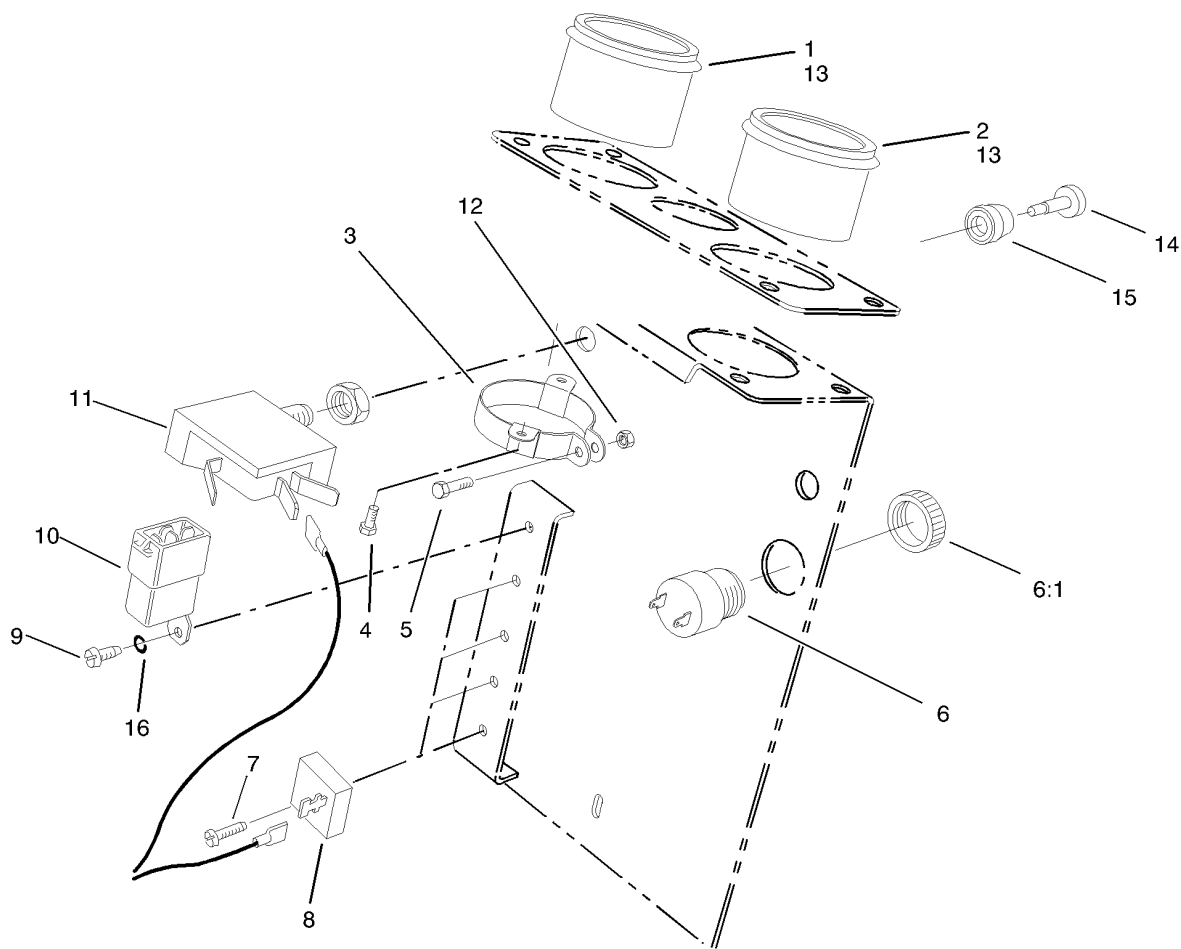


Steering Control Assembly No. 92-9220

Ref.	Part Number	Qty.	Description
2	52-9230	1	Ring-Retaining
3	52-9240	1	Bushing
8		1	Housing ●
9		1	Sleeve-Control ●
10	59-6820	1	Centering Spring Kit
11		1	Spool-Control ●
13	92-9732	1	Plate-Wear
14	59-6860	1	Drive
15	59-6870	1	Gerotor
16	92-9730	1	Cap-End
18	92-9733	7	Screw-Cap
19	59-6830	1	Centering Pin Kit
20	74-3090	2	Spring-Anti-Cav
21	92-9737	2	Plug-Retainer
22	74-3140	2	Ball-Check, Anti-Cav

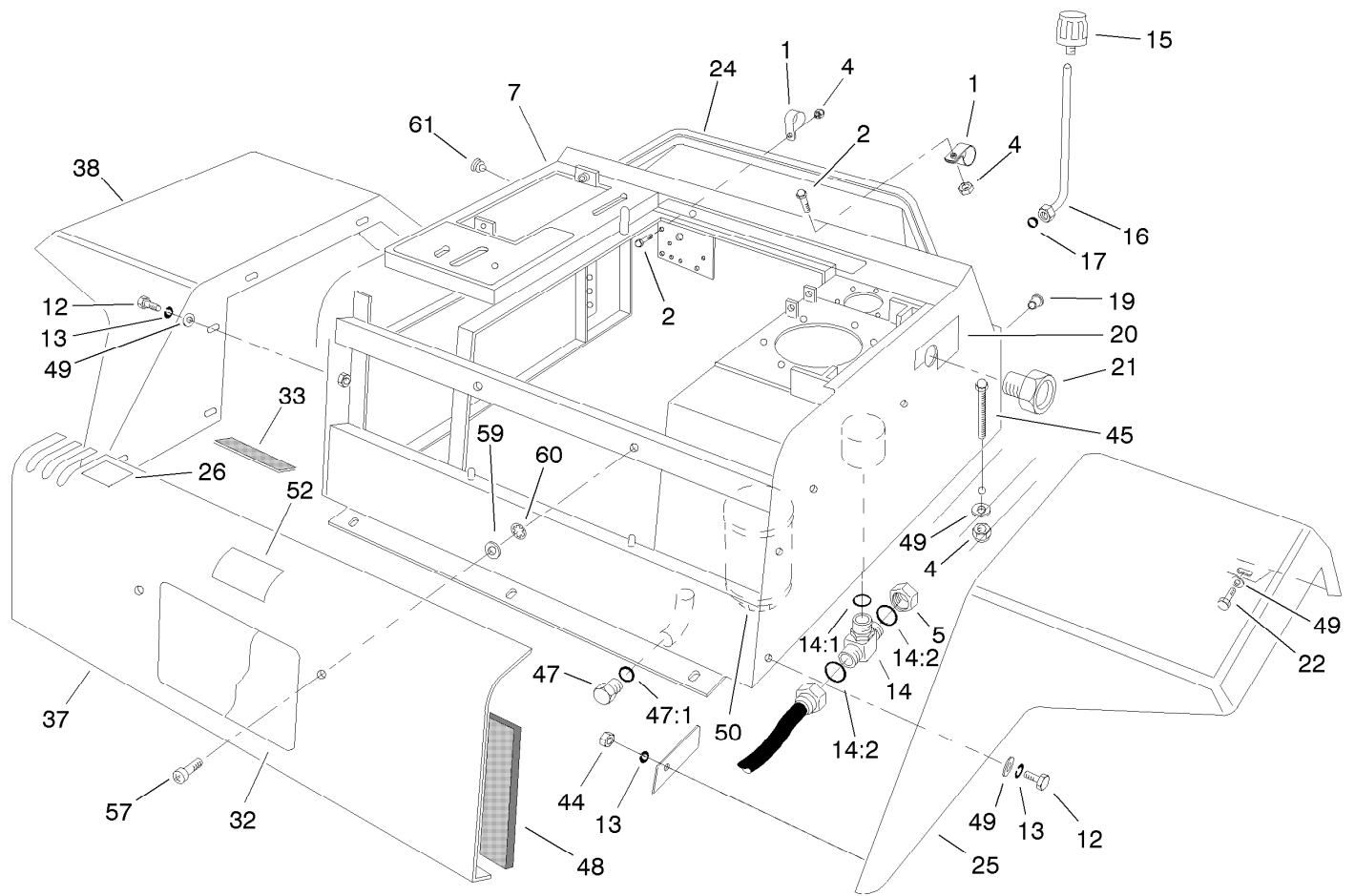
Ref.	Part Number	Qty.	Description
23	52-9290	1	Retainer-Checkball
24	52-9280	1	Checkball
26	52-9270	1	Seat-Checkball
28	52-9260	1	Screw-Set
29	52-9250	1	Bearing Kit
29:1	59-6730	2	Race
29:2	59-6740	1	Bearing
30	92-9749	1	Seal Kit
30:1		1	Seal-Dust ●
30:2		1	Seal-Dust ●
30:3		1	Seal-Dust ●
30:4		3	Seal-Dust ●
30:5		1	Seal-Dust ●
30:6		1	Seal-Dust ●
31	92-9747	1	End Cap Kit

● Not serviced separately



Steering Tower Electrical Assembly

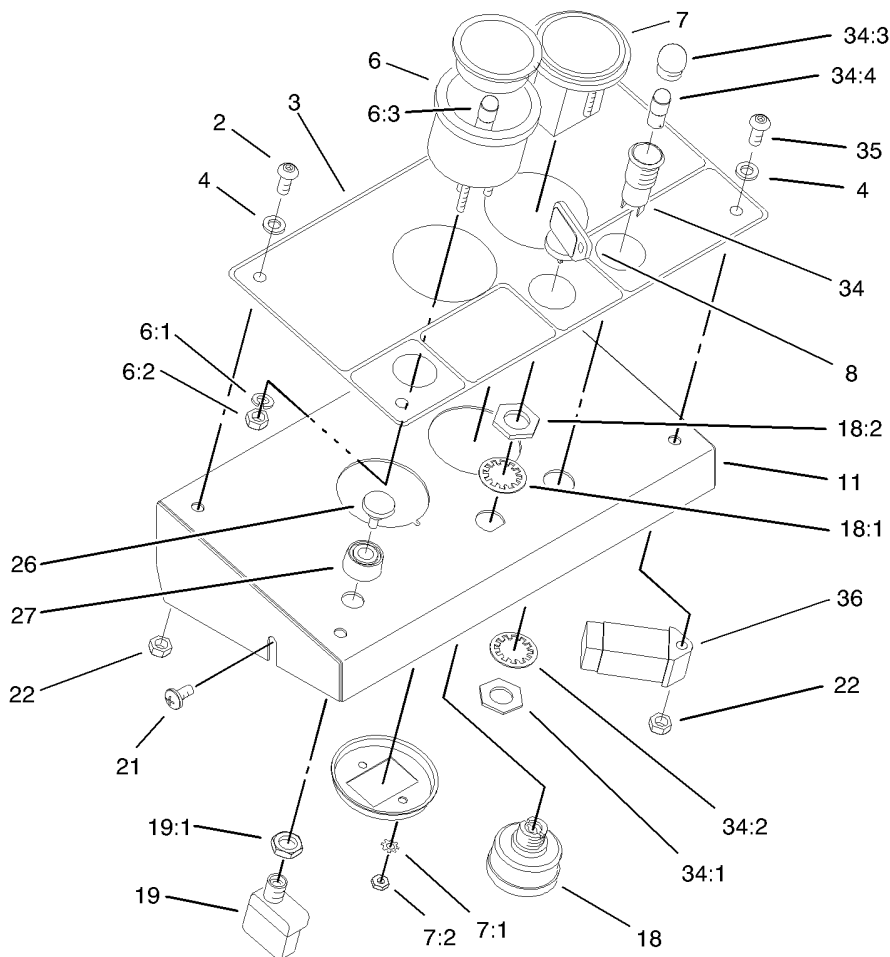
Ref.	Part Number	Qty.	Description
1	93-1434	1	Gauge-Cluster, Warning
2	93-1435	1	Gauge-Cluster, Warning
3	69-4780	2	Clamp-Gauge
4	32144-19	4	Screw-SHWH
5	32105-12	2	Screw
6	80-9330	1	Audio Alarm ASM
6:1	104-5107	1	Nut-Plastic, Knurled
7	3251-4	4	Screw-SRH
8	37-7600	4	Rectifier-Bridge
9	3251-1	1	Screw-PPH
10	70-1480	1	Relay
11	43-6290	2	Switch
12	3296-2	2	Nut-Lock, NI
13	219-17	8	Bulb
14	43-6280	2	Button-Push
15	43-6420	2	Bezel
16	3253-2	1	Washer-Lock



Center Console Assembly

Ref.	Part Number	Qty.	Description
1	2412-106	2	Clamp-R
2	321-5	2	Screw-HH
4	3296-42	4	Nut-Lock, NI
5	340-117	1	Cap
7	92-9273-03	1	Console-Center
12	33113-016	10	Screw-HH
13	43-5930	10	Washer-Lock, Spring
14	92-4799	1	Fitting-Tee, HYD
14:1	237-79	1	O-Ring
14:2	237-22	2	O-Ring
15	68-6150	1	Breather
16	98-3844	1	Breather Tube ASM
17	237-65	1	O-Ring
19	32148-6	4	Nut-Clinch
20	93-9406	1	Decal-Glass, Sight
21	58-5940	1	Plug-Gage, Sight
22	48-6900	4	Screw
24	92-5682	1	Strip-Sealing
25	58-0980-01	1	Mudguard-LH

Ref.	Part Number	Qty.	Description
26	93-9407	1	Decal-Lever, Lift
32	104-5204	1	Decal-Hillside (Ce)
32	104-5203	1	Decal-Hillside (Ansi)
33	68-7840	1	Strip-Sealing
37	58-1750-03	1	Panel-Access
38	92-4746-01	1	Mudguard-RH
44	48-7890	2	Nut-Hex
45	321-24	2	Screw-HH
47	58-9160	1	Plug-Drain
47:1	237-80	1	O-Ring
48	68-7810	1	Panel-Lining
49	3256-22	16	Washer-Flat
50	48-7120	1	Element-Suction
52	93-9425	1	Decal-Danger
57	3250-36	2	Screw-PPH
59	3256-3	2	Washer-Flat
60	32151-72	2	Ring-Retaining
61	92-6059	5	Plug-Button

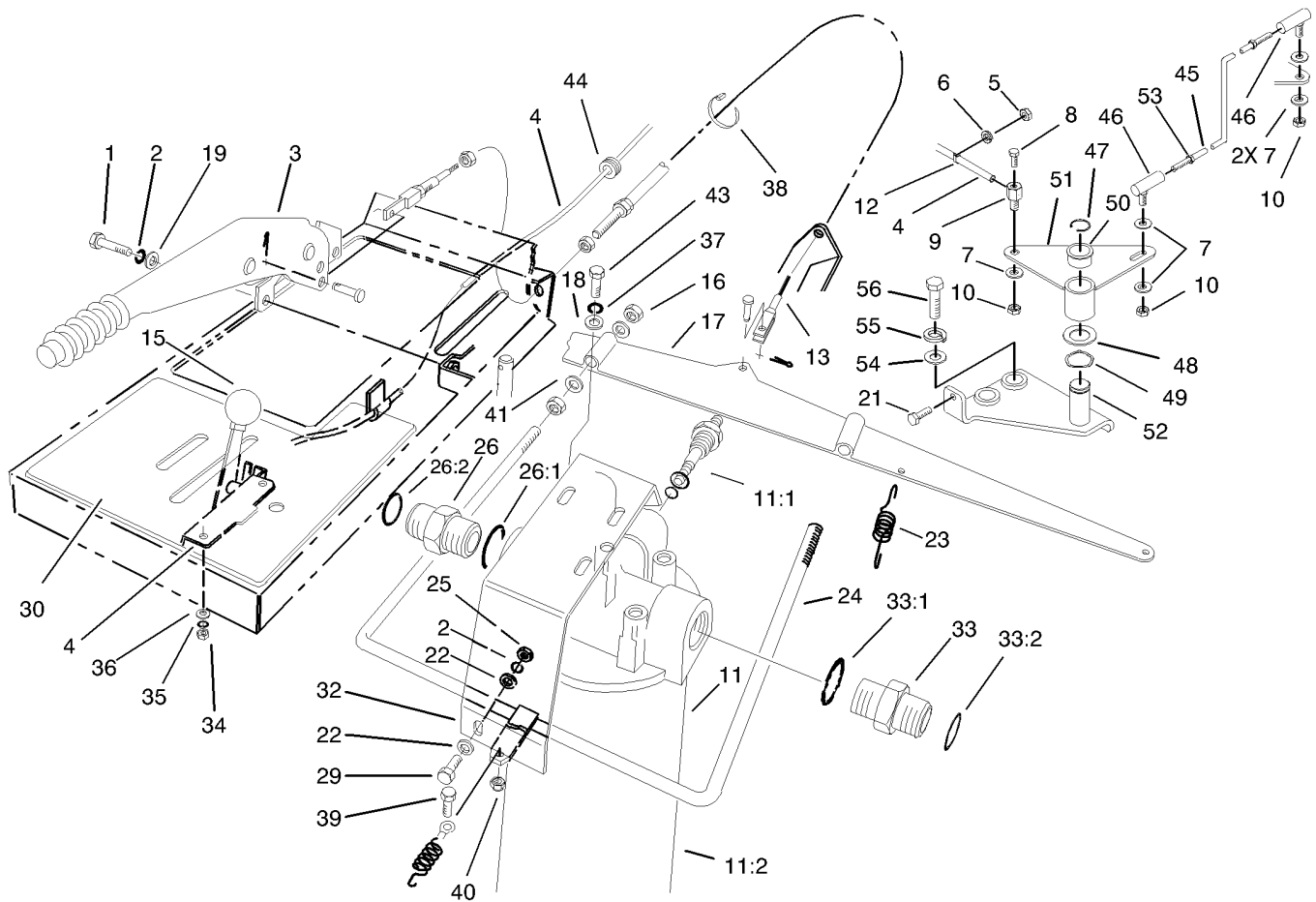


Instrument Panel Assembly

Ref.	Part Number	Qty.	Description
2	3274-31	3	Screw-HSBH
3	107-1819	1	Decal-Plate, Face
4	3256-22	4	Washer-Flat
6	98-9339	1	Gauge-Fuel
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	66-2950	1	Gauge-Hourmeter
7:1	3255-20	2	Washer-Lock
7:2	3217-25	2	Nut-Hex
8	63-8360	1	Key-Ignition
11	98-3829-03	1	Panel-Instrument
18	88-9830	1	Key Switch ASM
18:1	3254-5	1	Washer-Lock

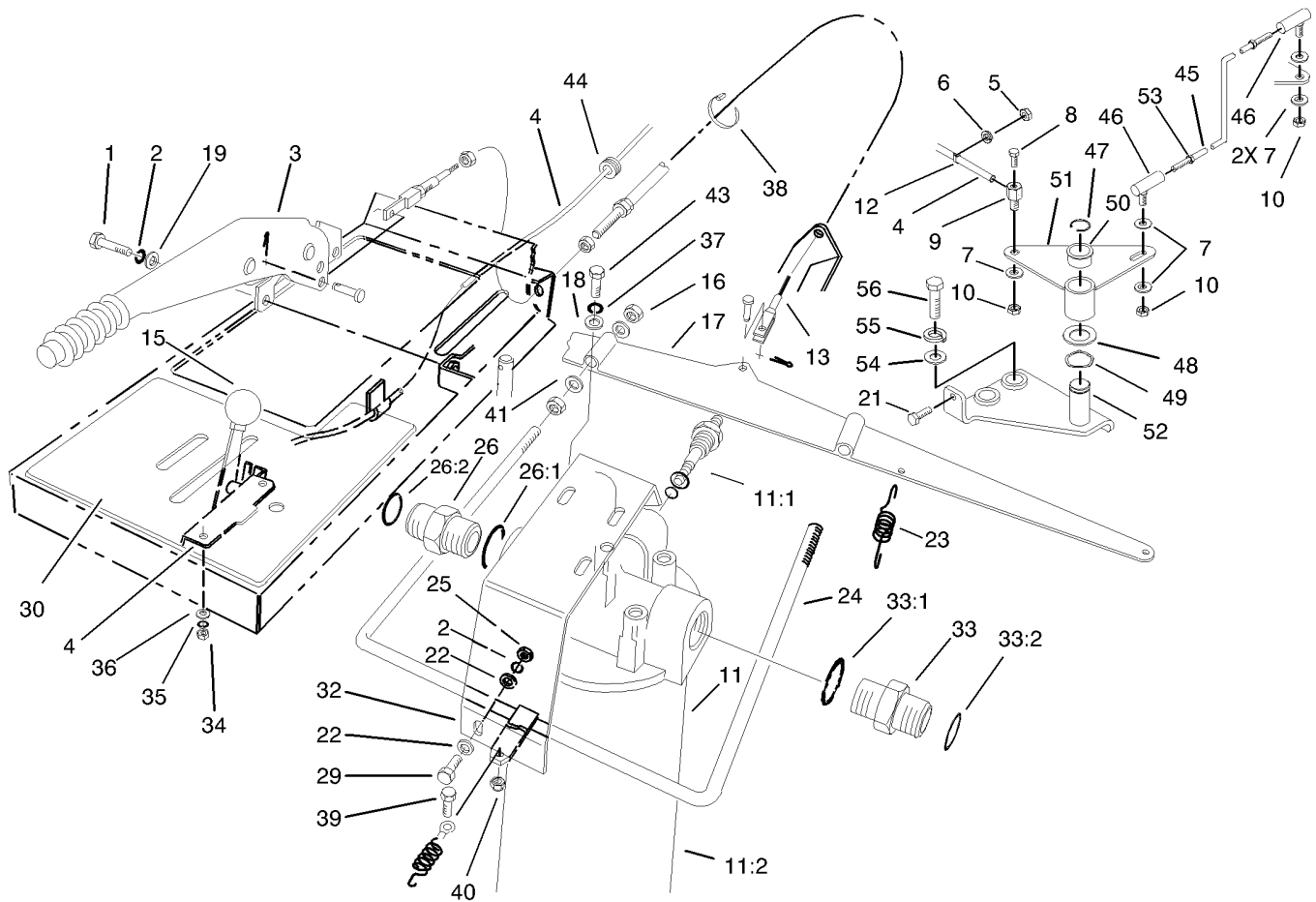
Ref.	Part Number	Qty.	Description
18:2	218-461	1	Nut-HH
19	72-9760	1	Switch
19:1	218-498	1	Nut-Lock
21	60-2170	2	Screw
22	3296-42	4	Nut-Lock, NI
26	43-6280	1	Button-Push
27	43-6420	1	Bezel
34	44-2210	1	Light-Indicator, Red
34:1	218-535	1	Nut-Hex
34:2	218-536	1	Washer-Lock
34:3	218-533	1	Lens
34:4		1	Bulb ●
35	3274-65	1	Screw-HSBH
36	98-7611	1	Controller-Glow

● Not serviced separately



Parking Brake, Throttle and Oil Filter Assembly

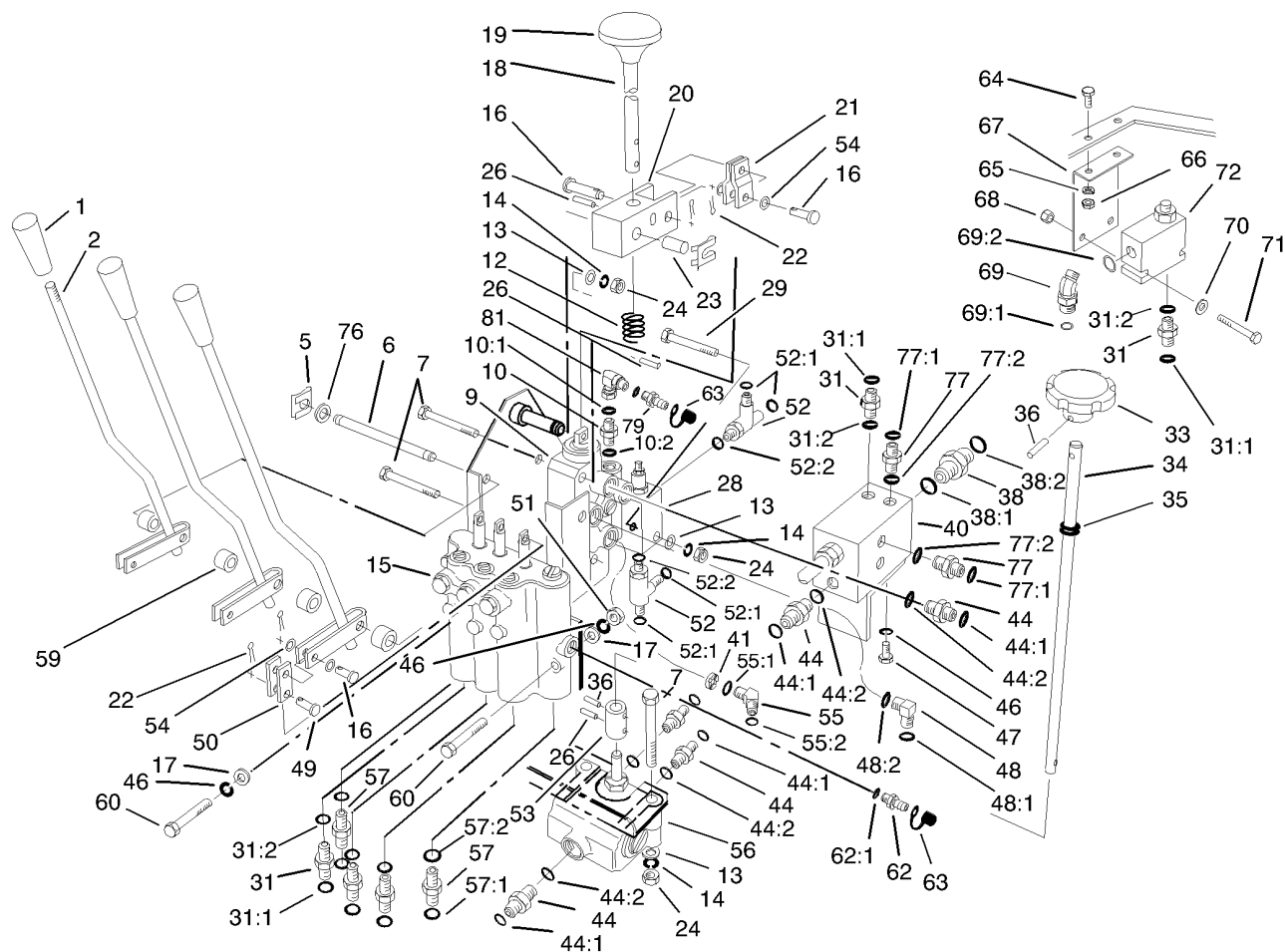
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	33114-016	2	Screw-HH	26:1	237-123	1	O-Ring
2	42-9850	4	Washer-Lock, Spring	26:2	340-65	1	O-Ring
3	53-6070	1	Lever-Brake	29	322-6	2	Screw-HH
4	59-7240	1	Control-Throttle	30	107-1818	1	Decal-Panel, Side Control
5	3217-5	1	Nut-Hex	32	84-6470-03	1	Bracket-Filter
6	3253-3	1	Washer-Lock	33	340-10	1	Adapter
7	3256-22	5	Washer-Flat	33:1	237-123	1	O-Ring
8	25-8640	1	Screw-HH	33:2	340-64	1	O-Ring
9	93-0021	1	Swivel-Cable, Throttle	34	48-7880	2	Nut-Hex
10	3296-13	3	Nut-Lock, NI	35	48-8000	2	Washer-Lock
11	86-6090	1	HYD Oil Filter ASM	36	52-6430	2	Washer
11:1	86-6100	1	Switch-Indicator, Electrical	37	3253-5	3	Washer-Lock
11:2	86-6110	1	Filter-Hydraulic	38	3290-378	1	Tie-Cable
12	2412-31	1	Clamp-Boden	39	11-9030	1	Screw-Shoulder
13	92-9222	1	Cable-Handbrake	40	3296-42	1	Nut-Lock, NI
15	233-25	1	Knob-Control	41	3256-23	4	Washer-Plain
16	3217-6	4	Nut-Hex	43	323-5	3	Screw-HH
17	58-2170-03	1	Bar-Linkage, Brake	44	60-2370	1	Grommet
18	3256-3	3	Washer-Flat	45	98-1261	1	Rod-Throttle
19	33094-00	2	Washer-Plain	46	98-3845	2	Joint-Ball, Rod End
21	321-4	1	Screw-HH	47	936125	1	Ring-Snap, External
22	3256-23	4	Washer-Plain	48	67-9410	1	Washer
23	60-2140	2	Spring	49	98-3846	1	Washer-Wave
24	92-9225	1	Yoke	50	256-252	2	Bearing-Flange
25	3217-6	2	Nut-Hex	51	98-1257-03	1	Lever-Throttle
26	340-80	1	Fitting-STR	52	98-1256-03	1	Plate-Throttle



Parking Brake, Throttle and Oil Filter Assembly (continued)

Ref.	Part Number	Qty.	Description
53	3220-1	2	Nut-Jam
54	3256-24	2	Washer-Flat

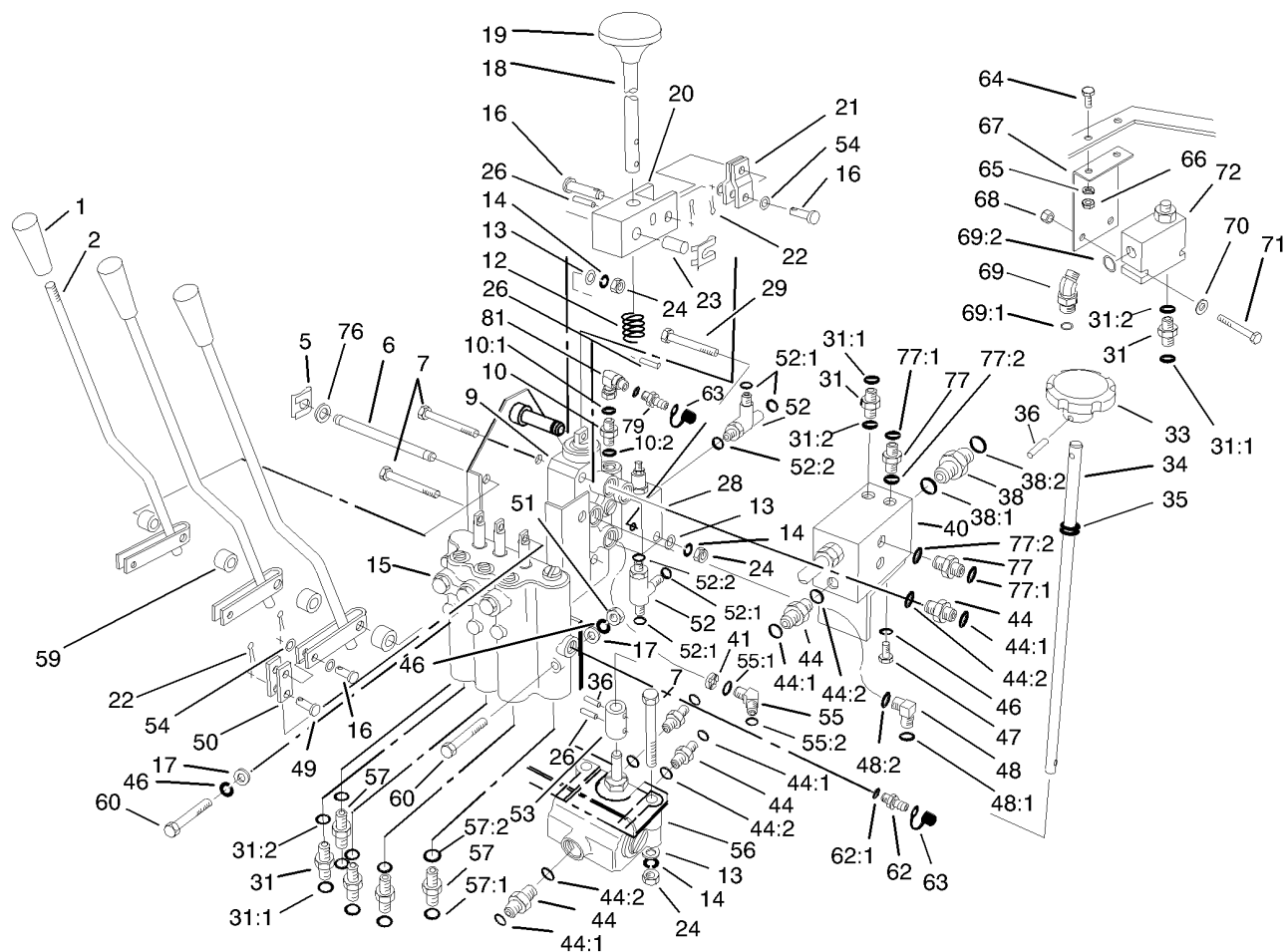
Ref.	Part Number	Qty.	Description
55	48-9590	2	Washer-Lock
56	56-2140	2	Screw-HH



Valve Control Assembly

Ref.	Part Number	Qty.	Description
1	233-39	3	Knob-Control
2	74-3190	3	Lever-Lift
5	60-5690	3	Clip
6	58-1520	1	Pin
7	322-12	4	Screw-HH
9	63-4800	1	Motor-Spool, Valve
10	340-88	1	Fitting-Straight
10:1	237-22	1	O-Ring
10:2	237-78	1	O-Ring
12	58-7190	1	Spring
13	3256-23	5	Washer-Plain
14	3253-4	5	Washer-Lock
15	93-1432	1	3 Spool Valve ASM
16	58-3830	5	Pin-Clevis
17	33093-00	2	Washer-Flat
18	58-4450	1	Lever
19	233-10	1	Knob-Lever
20	58-4460	1	Clevis
21	58-1570	2	Link
22	3272-1	8	Pin-Cotter
23	60-0550	1	Bushing
24	3217-6	5	Nut-Hex
26	32121-118	3	Pin-Roll
28	58-5520	1	Valve-Relief, Adjustable
29	322-9	1	Screw-HH
31	340-2	5	Fitting-Straight
31:1	237-22	1	O-Ring
31:2	237-42	1	O-Ring

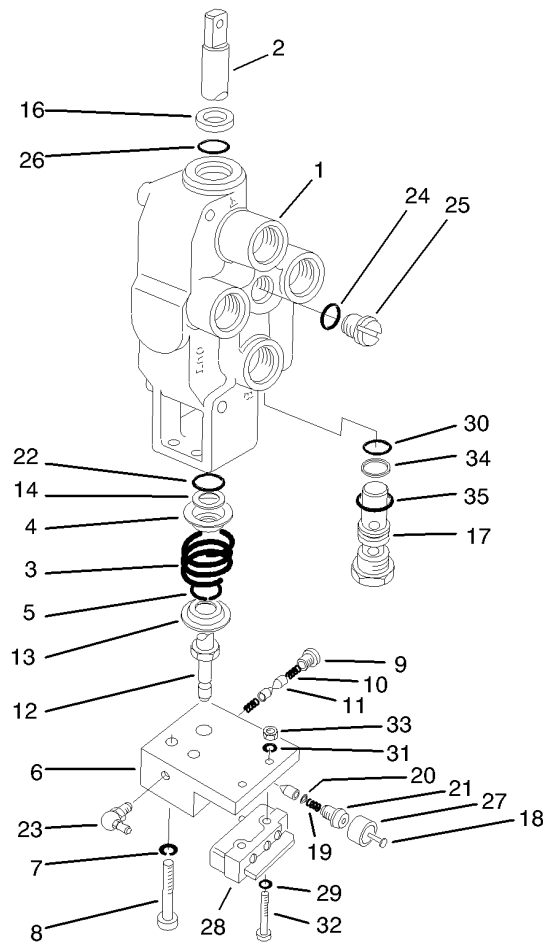
Ref.	Part Number	Qty.	Description
33	59-7130	1	Knob-Control, Speed
34	58-1510	1	Shaft
35	59-7910	1	Grommet
36	60-2110	2	Pin
38	340-80	1	Fitting-STR
38:1	237-123	1	O-Ring
38:2	340-65	1	O-Ring
40	58-2150	1	Block-Manifold
41	66-5410	1	Orifice
44	340-7	6	Fitting-Straight
44:1	237-65	1	O-Ring
44:2	237-80	1	O-Ring
46	43-5930	4	Washer-Lock, Spring
47	33113-016	2	Screw-HH
48	340-17	2	Fitting-Elbow, 90 DEG
48:1	237-65	1	O-Ring
48:2	237-80	1	O-Ring
49	58-3810	3	Pin-Clevis
50	58-1560	6	Link
51	48-7890	1	Nut-Hex
52	340-86	2	Fitting-Tee
52:1	237-22	2	O-Ring
52:2	237-42	1	O-Ring
53	93-7768	1	Coupling
54	52-6430	8	Washer
55	66-5860	1	Fitting-Elbow, 45 DEG
55:1	237-80	1	O-Ring



Valve Control Assembly (continued)

Ref.	Part Number	Qty.	Description
55:2	237-65	1	O-Ring
56	58-5490	1	Valve-Control, Flow
57	340-3	2	Fitting-Straight
57:1	237-22	1	O-Ring
57:2	237-79	1	O-Ring
59	58-1540	4	Spacer-Nylon
60	33113-050	2	Screw-HH
62	59-7410	1	Fitting-Diagnostic
62:1	237-42	1	O-Ring
63	353-947	3	Cap-Dust, Rubber
64	321-3	2	Screw-HH
65	3253-3	2	Washer-Lock
66	3217-5	2	Nut-Hex
67	63-4690-03	1	Bracket-Valve

Ref.	Part Number	Qty.	Description
68	3296-8	2	Nut-Hex
69	340-87	1	Fitting-Elbow, 45 DEG
69:1	237-22	1	O-Ring
69:2	237-42	1	O-Ring
70	3256-22	2	Washer-Flat
71	321-11	2	Screw-HH
72	63-4700	1	Valve-Flow, Regulator
76	3256-24	2	Washer-Flat
77	92-9258	3	Adapter-Check
77:1	237-22	1	O-Ring
77:2	237-42	1	O-Ring
79	86-5480	2	Nipple-Test
81	98-1281	1	Adapter-90 DEG

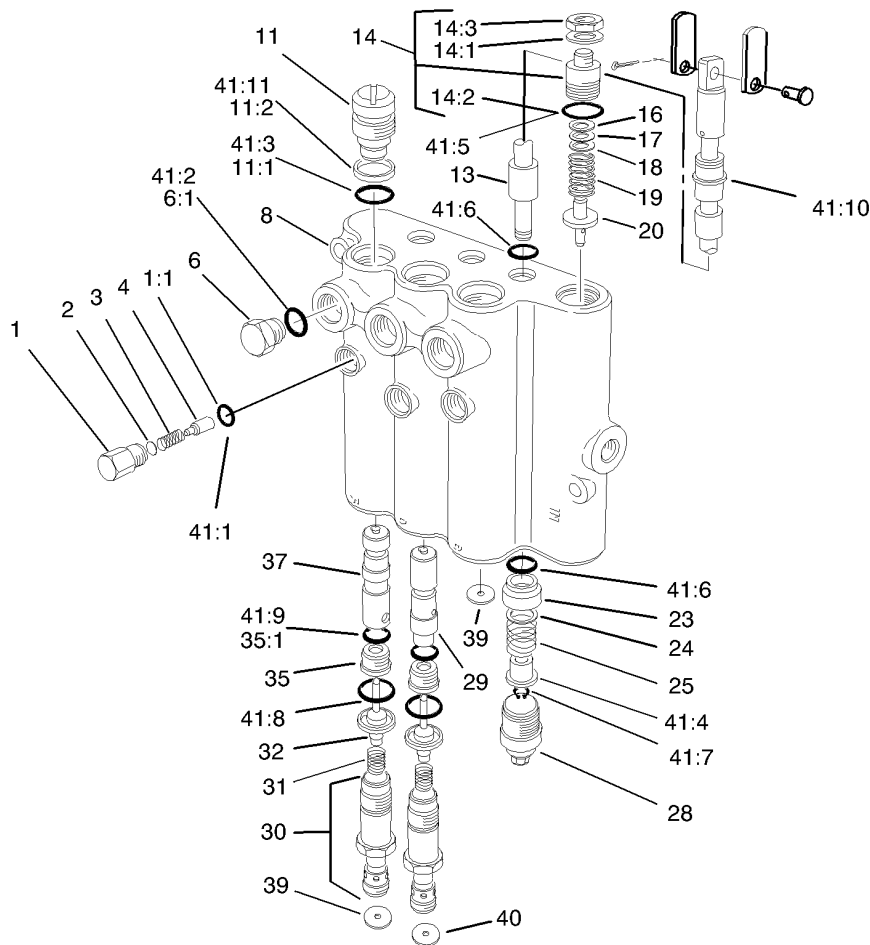


Valve Motor Spool Assembly No. 63-4800

Ref.	Part Number	Qty.	Description
1		1	Body ●
2		1	Spool ●
3	59-8040	1	Spring
4	59-8080	1	Washer
5	59-8170	1	Washer
6	63-4820	1	Block-Detent
7	59-8070	2	Lockwasher
8	63-4830	2	Capscrew
9	59-8060	1	Plug
10	59-8050	2	Spring
11	59-8150	3	Pawl
12	63-4840	1	Screw-Detent
13	59-8100	1	Washer
14	59-8180	1	Washer
16	59-8190	1	Wiper
17	63-4780	1	Valve
18	63-4850	1	Plunger

Ref.	Part Number	Qty.	Description
19	63-4510	1	Spring
20	63-4860	1	Circlip
21	59-8230	1	Plug
22	59-7780	1	Ring
23	302-66	1	Fitting-Grease
24	59-8140	1	Ring
25	59-8160	1	Plug
26	59-8120	1	Ring
27	66-5420	1	Sleeve
28	60-4550	1	Switch-Micro
29	3256-13	2	Washer
30	63-4440	1	O-Ring
31	3253-19	2	Washer-Lock
32	66-5430	2	Screw
33	66-5440	2	Nut-Hex
34	59-7860	1	Washer
35	42-1220	1	O-Ring

● Not serviced separately



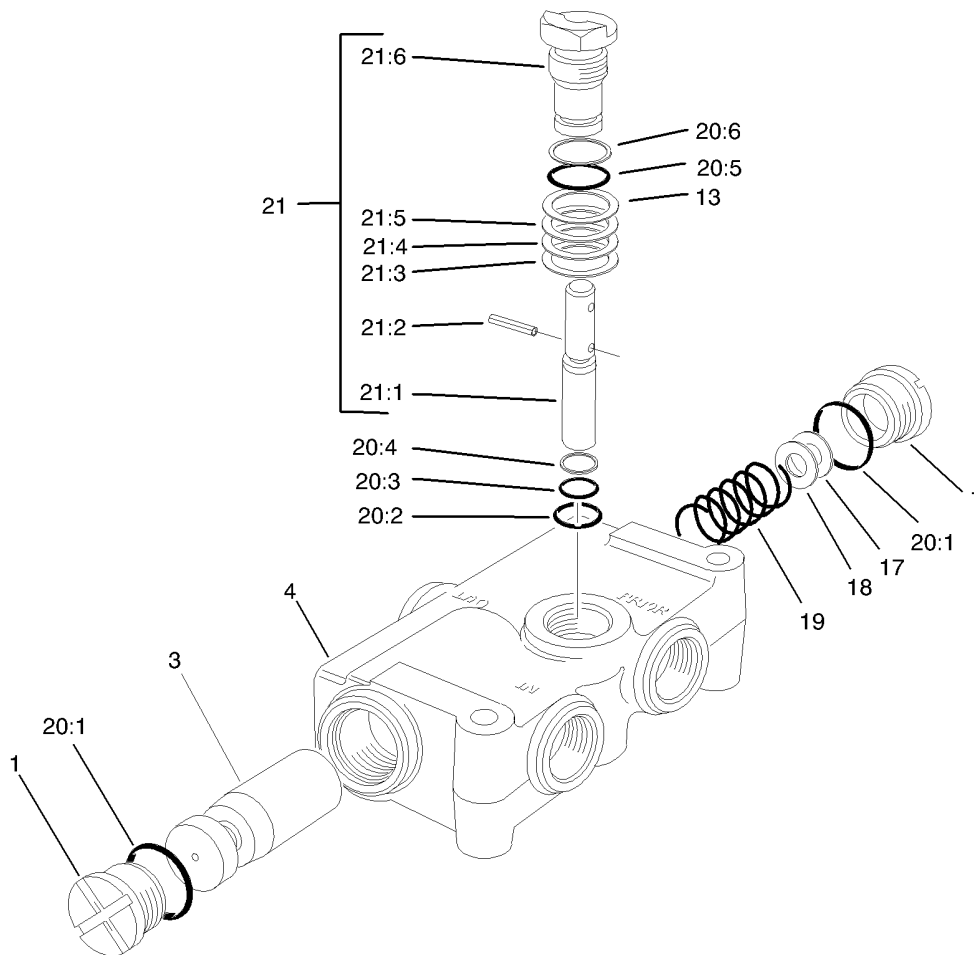
Control Valve Assembly No. 93-1432

Ref.	Part Number	Qty.	Description
1	58-6780	3	Plug
1:1	58-6790	1	O-Ring
2	60-6450	1	Disc
3	58-6760	3	Spring
4	58-6770	3	Plunger
6	353-508	3	Plug-HH
6:1	237-42	1	O-Ring
8		1	Body ■
11	58-6350	3	Plug
11:1	60-5720	1	O-Ring
11:2	58-6370	1	Washer
13		3	Spool ■
14	69-1830	1	Plug ASM
14:1		1	Washer ■
14:2	58-6750	1	O-Ring
14:3		1	Nut-Lock ■
16	58-6470	1	Washer
17	58-6480	1	Washer
18	58-6490	1	Washer
19	84-6450	1	Spring
20	58-6440	1	Poppet
23	58-6400	3	Bushing
24	58-6700	3	Washer

Ref.	Part Number	Qty.	Description
25	58-6730	3	Spring
28	58-6420	3	Cap
29	84-6430	1	Plunger
30	58-6380	3	Plug
31	58-6410	3	Spring
32	60-6440	3	Eyelet
35	58-6330	3	Seat
35:1	58-6340	1	O-Ring
37	84-6420	2	Plunger
39	84-6400	2	Disc-Orifice
40	84-6401	1	Disc-Orifice
41	60-3780	1	Seal Kit ●
41:1	58-6790	3	O-Ring
41:2	58-6720	3	O-Ring
41:3	60-5720	6	O-Ring
41:4	58-6310	6	Spacer
41:5	58-6750	1	O-Ring
41:6	58-6450	6	O-Ring
41:7	58-6460	3	Ring-Retaining
41:8	58-6290	3	Poppet
41:9	58-6340	3	O-Ring
41:10	58-6320	3	Wiper
41:11	58-6370	1	Washer

● Not illustrated

■ Not serviced separately

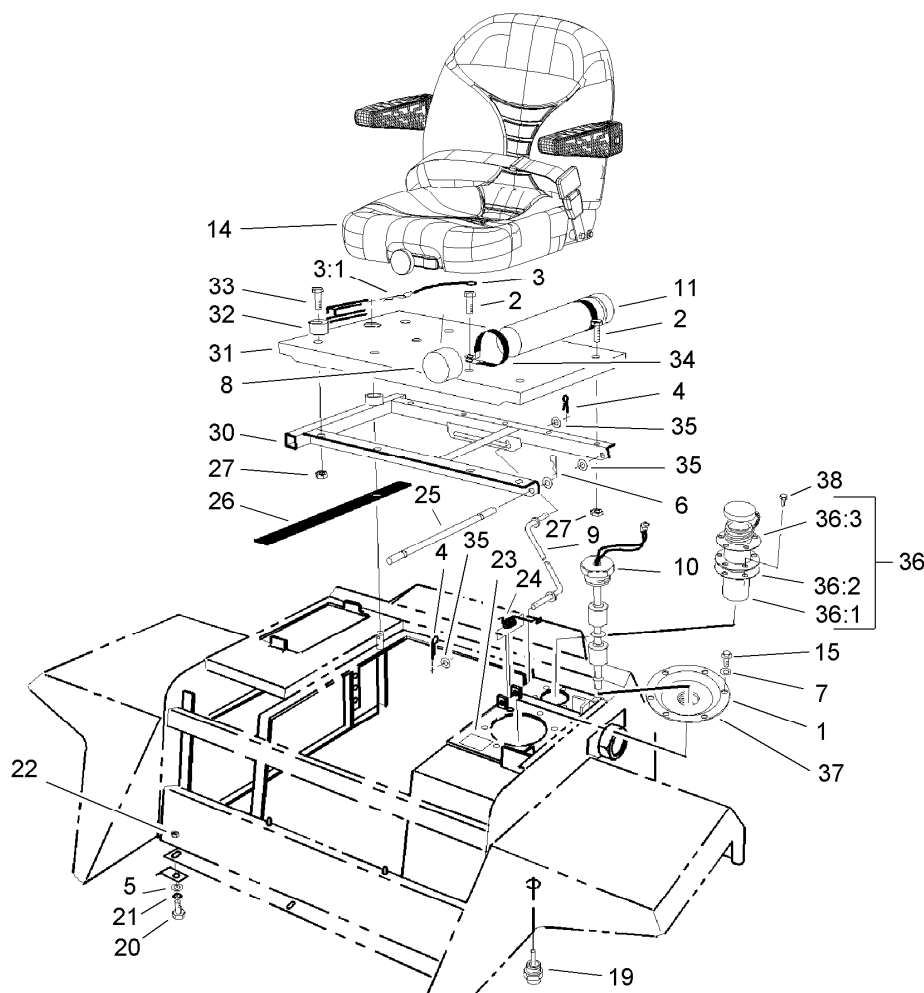


Priority Flow Control Valve Assembly No. 58-5490

Ref.	Part Number	Qty.	Description
1	59-7600	2	Plug
3		1	Spool ■
4		1	Body ■
13	59-7720	1	Washer
17	59-7750	1	Washer
18	59-7760	1	Washer
19	59-7770	1	Spring
20	63-4520	1	Seal Kit ●
20:1	59-7610	2	Ring
20:2	59-7640	1	Ring
20:3	59-7650	1	Ring
20:4	60-5950	1	Washer
20:5	59-7780	1	Ring
20:6	58-6370	1	Washer
21	94-8265	1	Plug-Metering
21:1		1	Stem-Metering ■
21:2		1	Pin-Groove ■
21:3		1	Shim ■
21:4		1	Shim ■
21:5		1	Shim ■
21:6		1	Plug-Metering ■

● Not illustrated

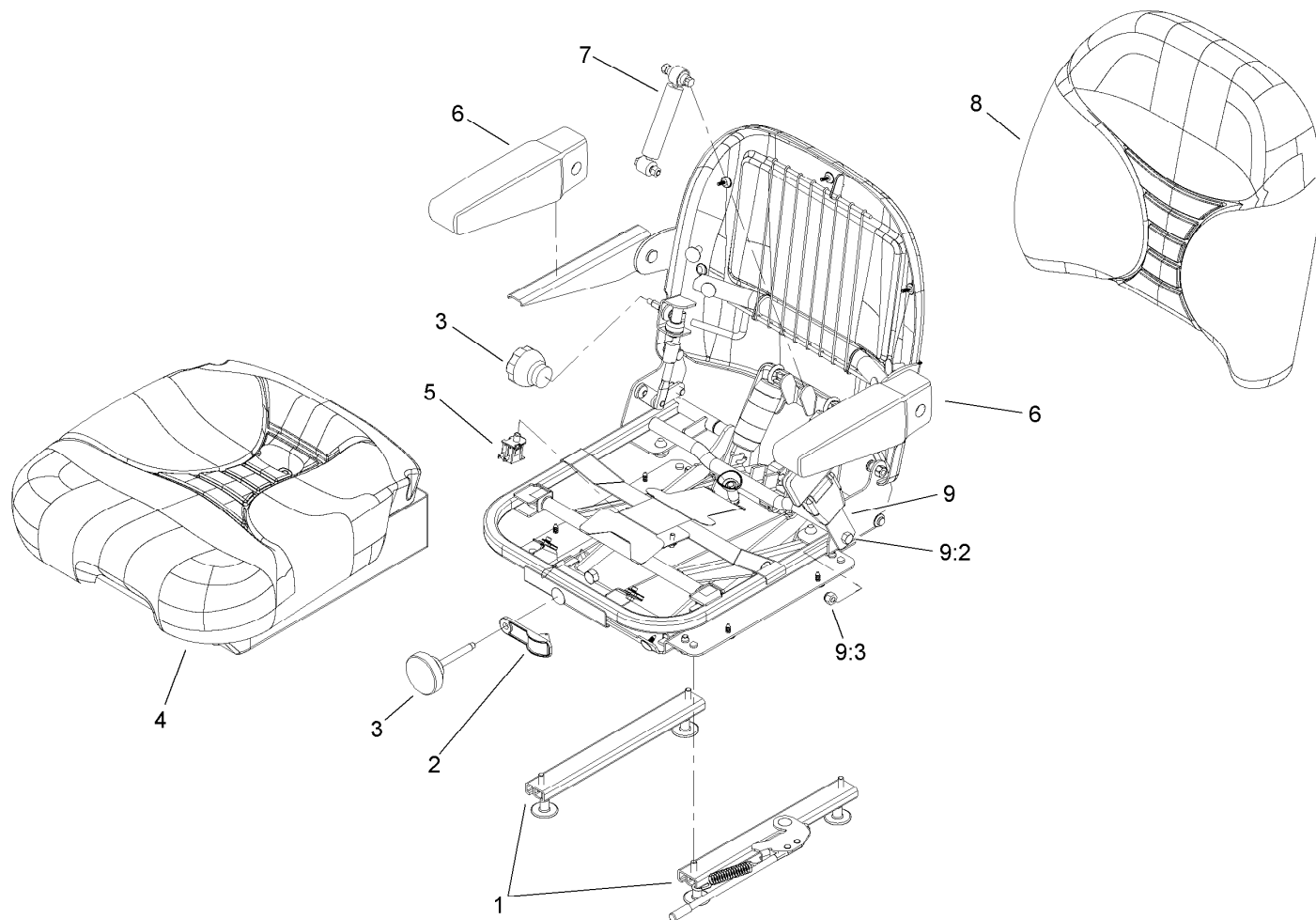
■ Not serviced separately



Seat Platform and Filler Cap Assembly

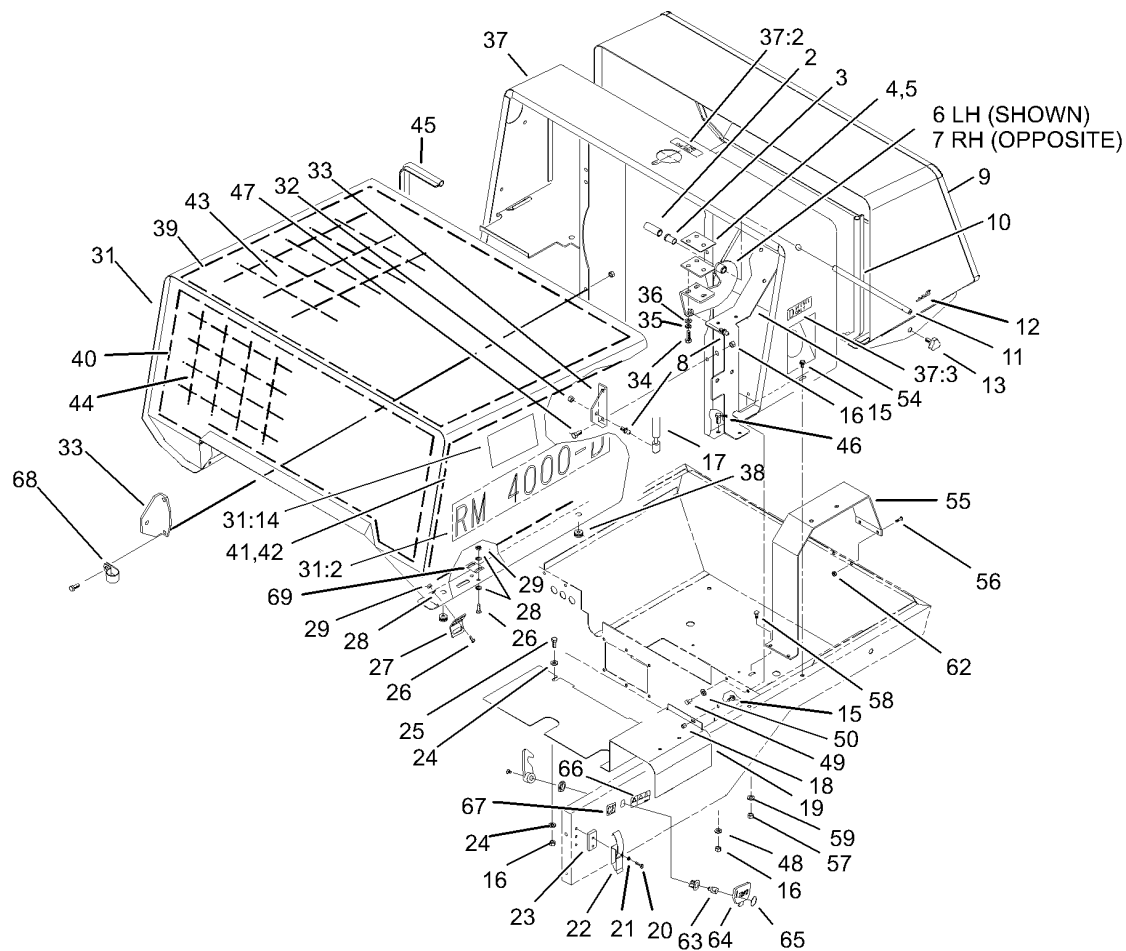
Ref.	Part Number	Qty.	Description
1	92-9200	1	Cover
2	3234-5	6	Screw-HHF
3	60-2160	1	R-Clip ASM
3:1	3290-355	1	Pin-Hair
4	3272-11	2	Pin-Cotter
5	3256-24	2	Washer-Flat
6	3290-250	2	Pin-Cotter
7	3253-15	6	Washer-Lock
8	104-7048	1	Cap-Housing
9	58-1650	1	Rod-Seat
10	82-9340	1	Level Switch ASM
11	104-7050	1	Tube-Manual
14	106-9988	1	Seat-Suspension
15	46-0670	6	Screw-PPH
19	60-5580	1	Switch-Temperature
20	323-7	2	Screw-HH
21	3253-21	2	Washer-Lock
22	32128-21	2	Nut-HF Lock

Ref.	Part Number	Qty.	Description
23	93-6686	1	Decal-Oil, HYD
24	60-0050	1	Spring-Tray, Seat
25	58-1640	1	Pin-Pivot, Seat
26	68-7850	1	Strip-Sealing
27	32128-20	10	Nut-HF
30	58-1580-03	1	Frame-Seat
31	58-9830-03	1	Plate-Seat
32	26-4840	4	Spacer-Pin, Mounting
33	322-6	4	Screw-HH
34	2412-133	2	Clamp-R
35	3256-24	4	Washer-Flat
36	71-4040	1	HYD Filler ASM
36:1	62-2610	1	Strainer-Cap, Filler
36:2	353-963	2	Gasket
36:3	353-961	1	Flange
37	58-6820	1	Gasket
38	32144-107	6	Screw



Suspension Seat Assembly No. 106-9988

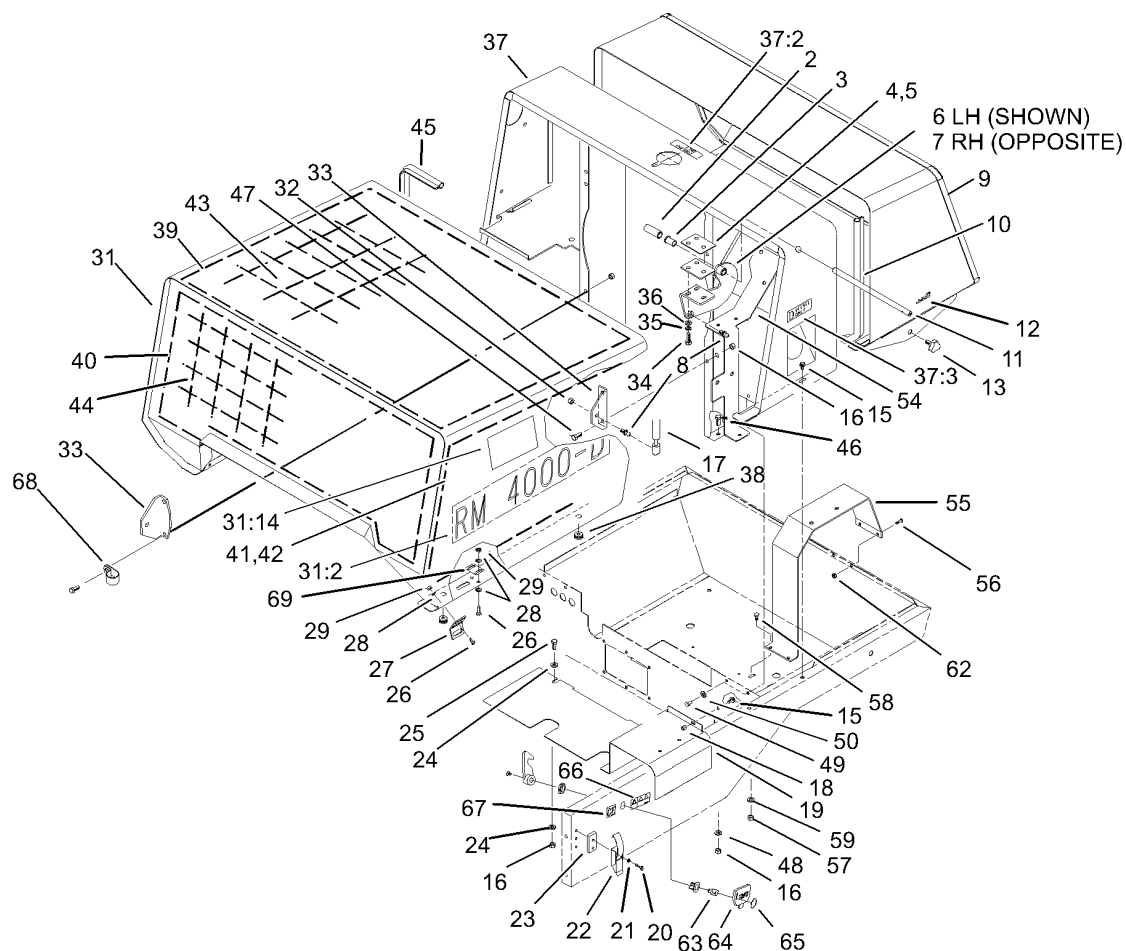
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	107-1880	1	Seat Track Kit
2	107-1885	1	Weight Indicator Kit
3	107-1881	1	Knob Kit
4	107-1883	1	Bottom Cushion Kit
5	107-1886	1	Switch Kit
6	107-1887	1	Pad-Armrest
7	107-1884	1	Shock Absorber Kit
8	107-1882	1	Back Cushion Kit
9	103-4469	1	Seatbelt Kit
9:2	3212-4	2	Screw-HH
9:3	3296-38	2	Nut-Lock, NI



Front and Rear Canopy Assembly

Ref.	Part Number	Qty.	Description
2	92-5655	2	Tube-Canopy
3	58-3930	2	Bushing-Oilite
4	58-5330	2	Spacer-Hinge, Canopy
5	58-5350	2	Spacer-Hinge, Canopy
6	58-1970-01	1	Plate-Hinge, Left
7	58-1980-01	1	Plate-Hinge, Right
8	86-6130	4	Ball-Stud
9	92-6086	1	Rear Screen ASM
10	92-5253	1	Strip-Sealing
11	58-3910	2	Pin-Hinge, Canopy
12	3290-355	2	Pin-Hair
13	77-3620	2	Knob-Retainer
15	3234-13	5	Screw-HHF
16	3296-29	9	Nut-Lock, NI
17	88-6760	2	Spring-Gas
18	3296-56	1	Nut-Lock, NI
19	105-3330-03	1	Baffle-Body, Lower
20	3250-25	4	Screw-PPH
21	3253-2	4	Washer-Lock
22	58-5380	2	Latch-Draw
23	58-7070-03	2	Spacer-Latch, RH
24	3256-23	2	Washer-Plain
25	322-3	1	Screw-HH
26	3250-31	10	Screw-PPH
27	68-6040	2	Bracket
28	3256-51	12	Washer-Flat
29	3296-27	10	Nut-Lock, NI
31	106-7074	1	Canopy-Front

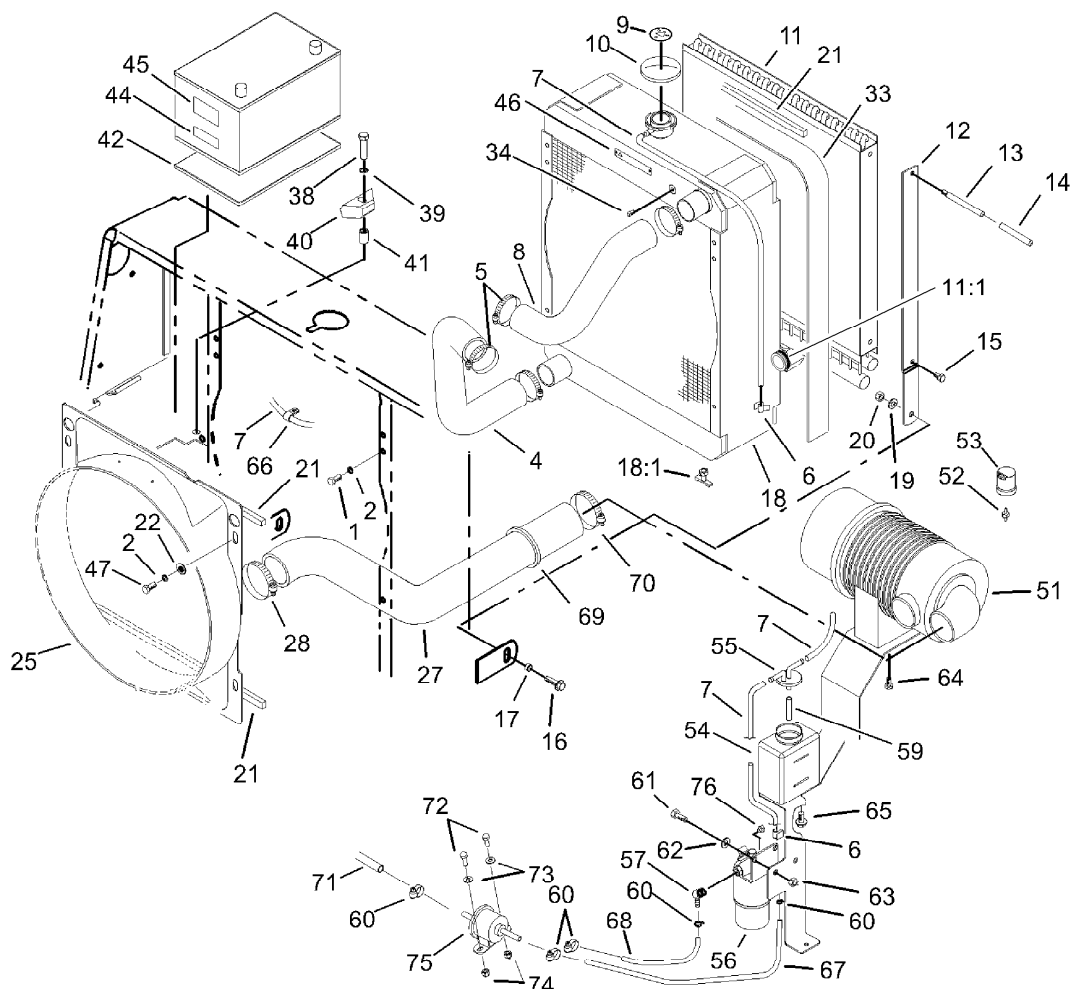
Ref.	Part Number	Qty.	Description
31:2	106-7060	2	Decal
31:14	66-6140	2	Decal
32	48-9510	2	Nut
33	92-5652-03	2	Bracket
34	33114-025	6	Screw-HH
35	42-9850	6	Washer-Lock, Spring
36	33094-00	6	Washer-Plain
37	105-3325	1	Center Canopy ASM
37:2	93-9404	1	Decal-Only, Coolant
37:3	93-6680	1	Decal-Diesel
38	237-141	4	Grommet-Rubber
39	92-5678	1	Foam-Hood, Top
40	92-5679	1	Foam-Hood, Front
41	92-5680	1	Foam-Hood, RH
42	92-5681	1	Foam-Hood, LH
43	92-5672-03	1	Support-Foam, Canopy
44	92-5673-03	1	Support-Foam, Front
45	92-6060	1	Strip-Sealing
46	322-5	4	Screw-HH
47	322-4	4	Screw-HH
48	3256-3	4	Washer-Flat
49	321-2	4	Screw-HH
50	3253-3	4	Washer-Lock
54	104-5230-03	1	Bracket-Fuel
55	94-8226-03	1	Bracket-Cleaner, Air
56	32122-42	2	Screw
57	3296-42	2	Nut-Lock, NI
58	321-3	2	Screw-HH



Front and Rear Canopy Assembly (continued)

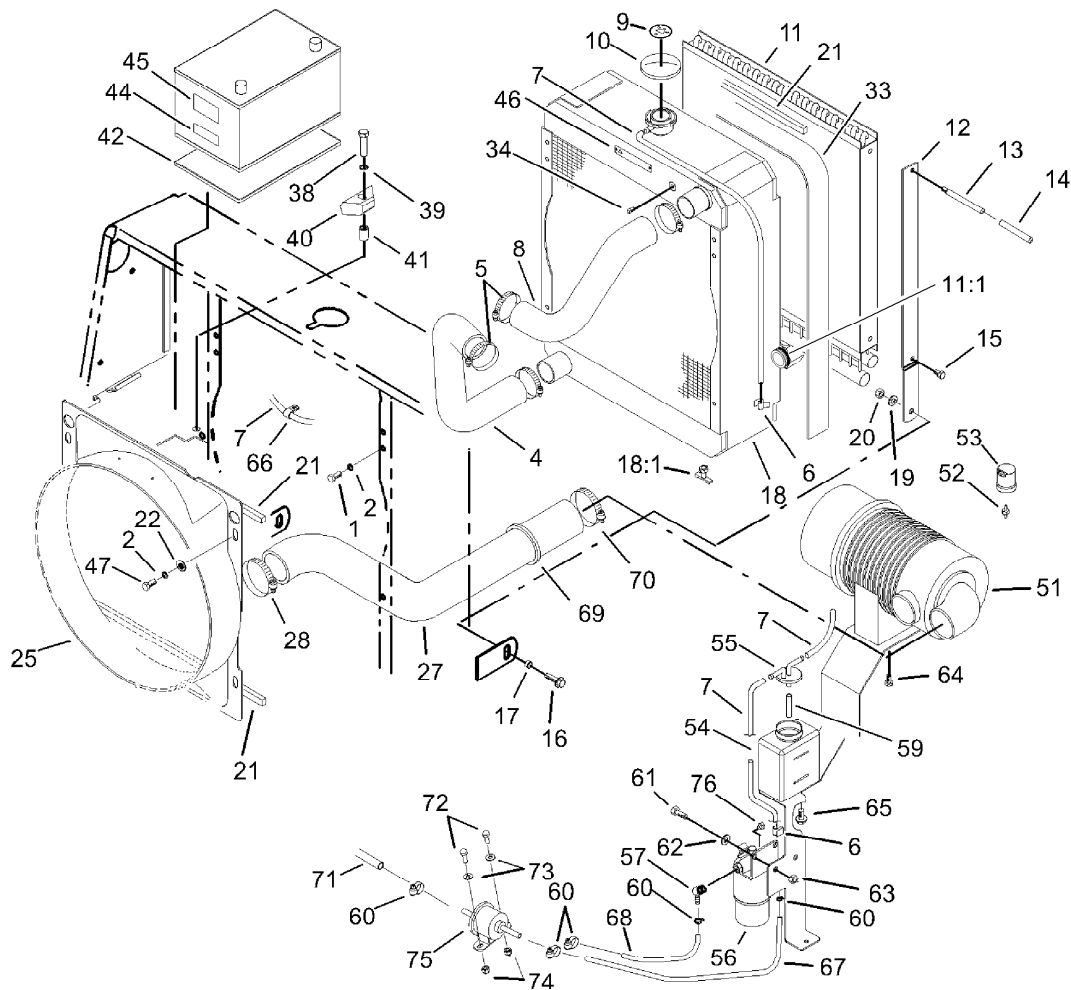
Ref.	Part Number	Qty.	Description
59	3256-22	2	Washer-Flat
62	3296-56	2	Nut-Lock, NI
63	98-5398	1	Latch
64	99-8970	1	Key-Latch, Hood
65	98-9321	1	Ring-Key

Ref.	Part Number	Qty.	Description
66	100-6574	1	Decal-Warning
67	93-7252	1	Decal
68	2412-109	1	Clip-J
69	105-9270	1	Plate-Strike



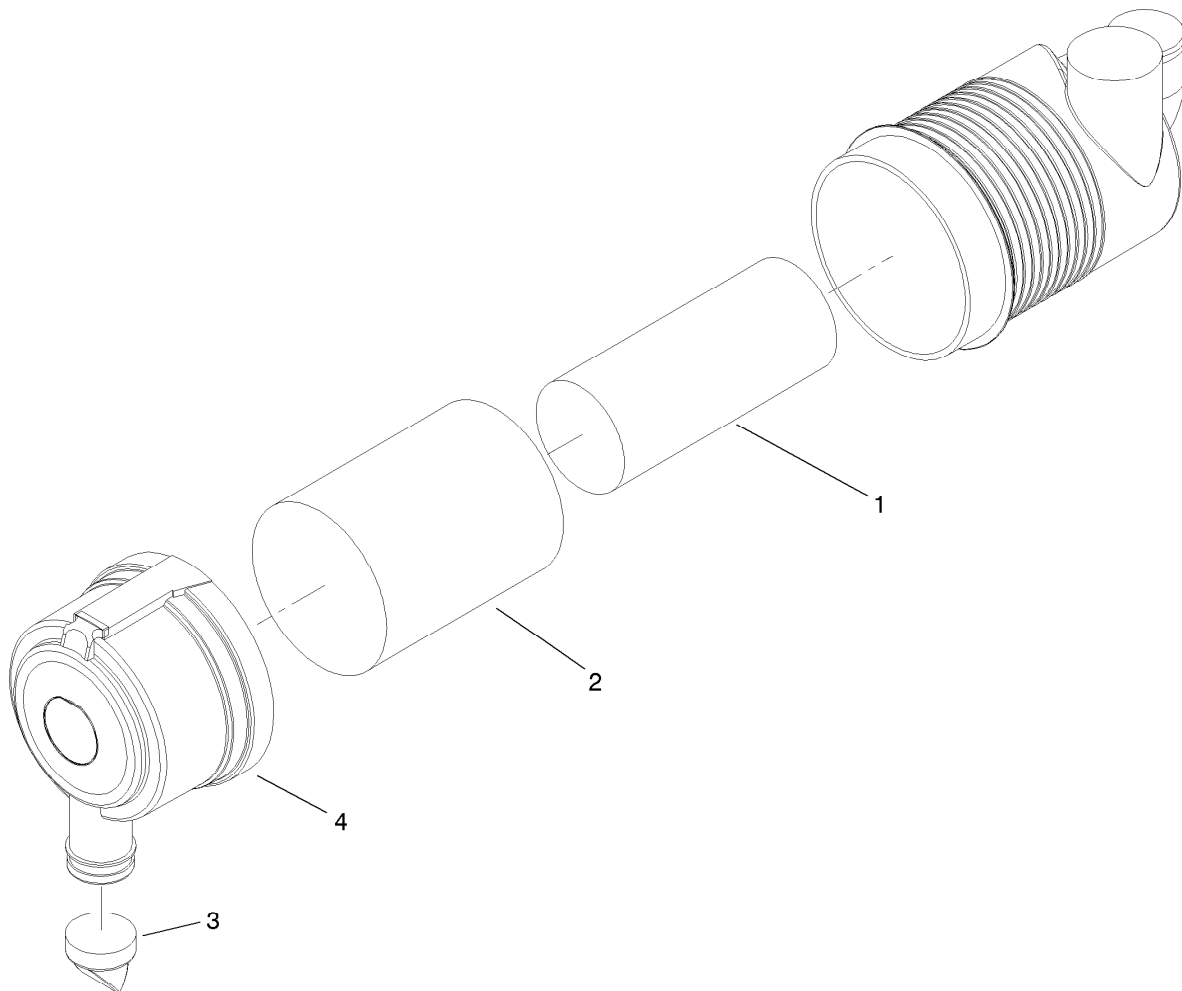
Radiator, Oil Cooler and Air Cleaner Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	322-3	2	Screw-HH	28	2412-42	1	Clamp-Hose
2	3253-4	6	Washer-Lock	33	92-6062	1	Foam-Seal, Radiator
4	98-1215	1	Hose-Lower, Radiator	34	281-2	1	Plug-Pipe, SQH
5	2412-92	4	Clamp-Hose	38	323-9	1	Screw-HH
6	104-5232	4	Clip-Wire	39	3256-24	1	Washer-Flat
7	98-7895	2	Tube	40	66-2490	1	Retainer-Battery
8	98-1214	1	Hose-Radiator, Upper	41	32148-9	1	Nut-Clinch
9	59-8440	1	Decal-Pressure Warning, Radiator	42	93-1420	1	Tray-Battery
10	58-5420	1	Cap-Pressure	44	93-6668	1	Decal-Battery
11	58-5540	1	Cooler-Oil	45	93-7276	1	Decal-Danger
11:1	340-65	2	O-Ring	46	93-6681	1	Decal-Warning, Fan
12	92-4753-03	2	Strap-Cooler, Oil	47	322-4	4	Screw-HH
13	75-7790	2	Handle	51	100-2597	1	Air Filter ASM
14	47-2550	2	Grip-Handle, Bag	52	94-1416	1	Adapter-Indicator
15	48-7680	2	Screw-HH	53	69-1940	1	Indicator-Electrical
16	3234-11	2	Screw-HHF	54	93-2049	1	Tank-Overflow
17	76-2290	2	Spacer	55	93-2048	1	Cap-Tank, Overflow
18	92-4729	1	Radiator ASM	56	104-5218	1	Water / Fuel Separator Filter ASM
18:1	304-46	1	Draincock	57	353-781	2	Fitting-HYD, 90
19	3256-24	4	Washer-Flat	59	94-1348	1	Hose-Fuel
20	3296-39	2	Nut-Lock, NI	60	2412-108	5	Clamp-Worm
21	68-7575	3	Strip-Sealing	61	322-5	2	Screw-HH
22	99-2900	4	Washer-Flat	62	3256-23	2	Washer-Plain
25	98-1250	1	Shroud-Fan	63	3296-29	2	Nut-Lock, NI
27	98-1234	1	Hose-Intake	64	33104-016	2	Screw-HHF



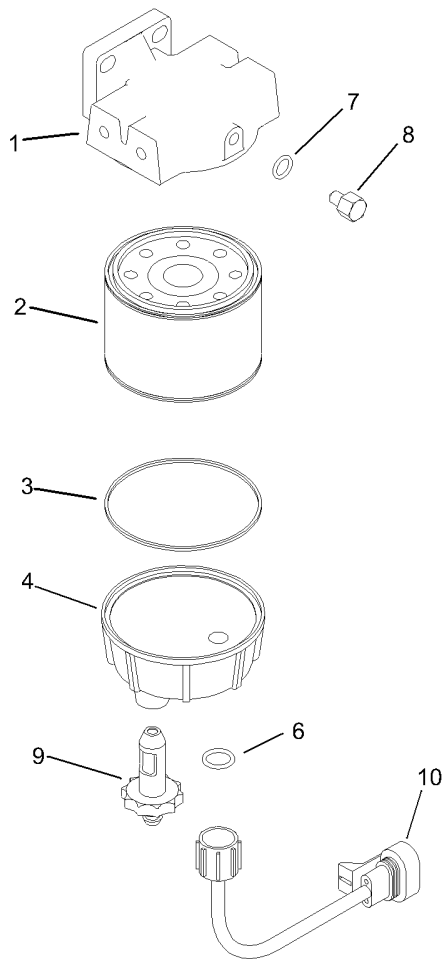
Radiator, Oil Cooler and Air Cleaner Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
65	33114-016	2	Screw-HH	71	55-4130	1	Hose-Fuel
66	92-6064	1	Clamp-R	72	321-4	2	Screw-HH
67	104-4848	1	Hose-Fuel	73	3256-1	2	Washer-Flat
68	63-7630	1	Hose-Fuel	74	3296-42	2	Nut-Lock, NI
69	98-7896	1	Trim-Lok	75	104-5215	1	Pump-Fuel, Electric
70	2412-125	1	Clamp-Hose	76	281-13	2	Plug-Pipe



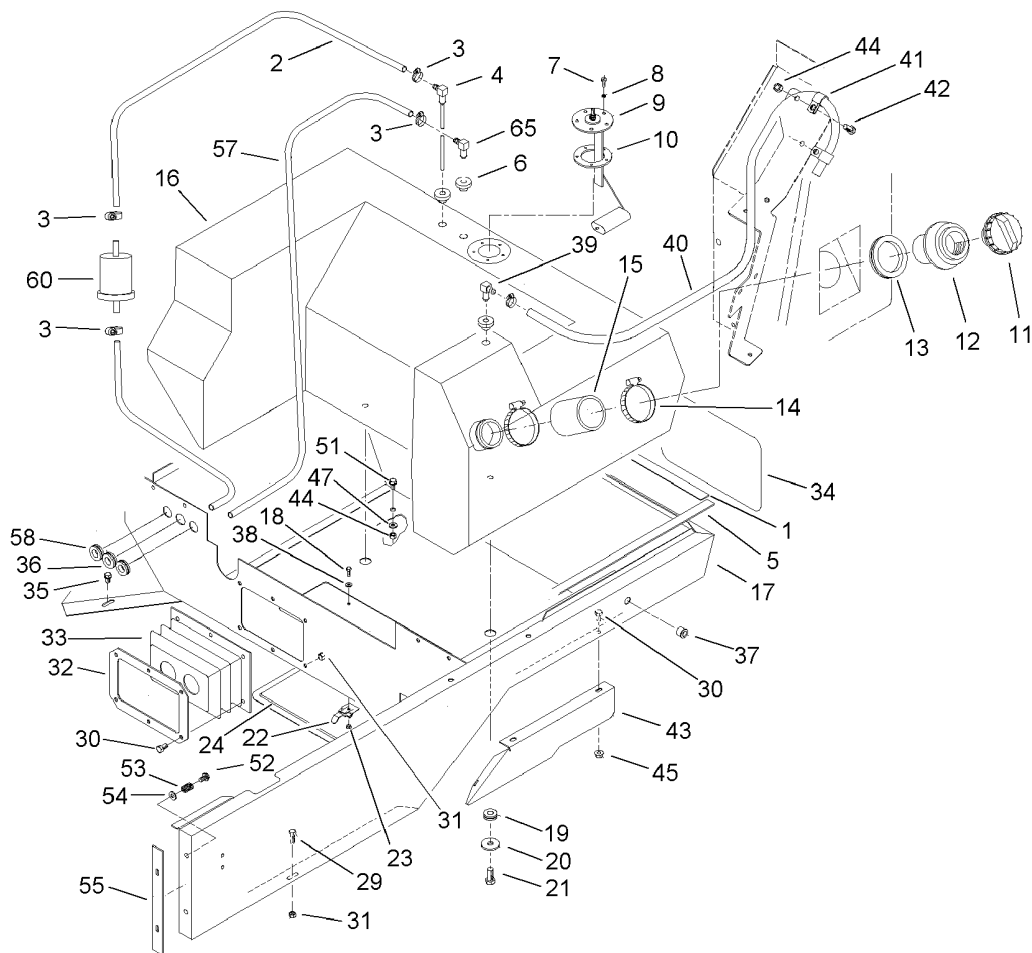
Air Filter Assembly No. 100-2597

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	108-3812	1	Filter-Air
2	108-3813	1	Element-Safety, Air Cleaner
3	87-9400	1	Valve-Vacuator
4	108-1448	1	Cover ASM



Fuel Filter Assembly No. 104-5218

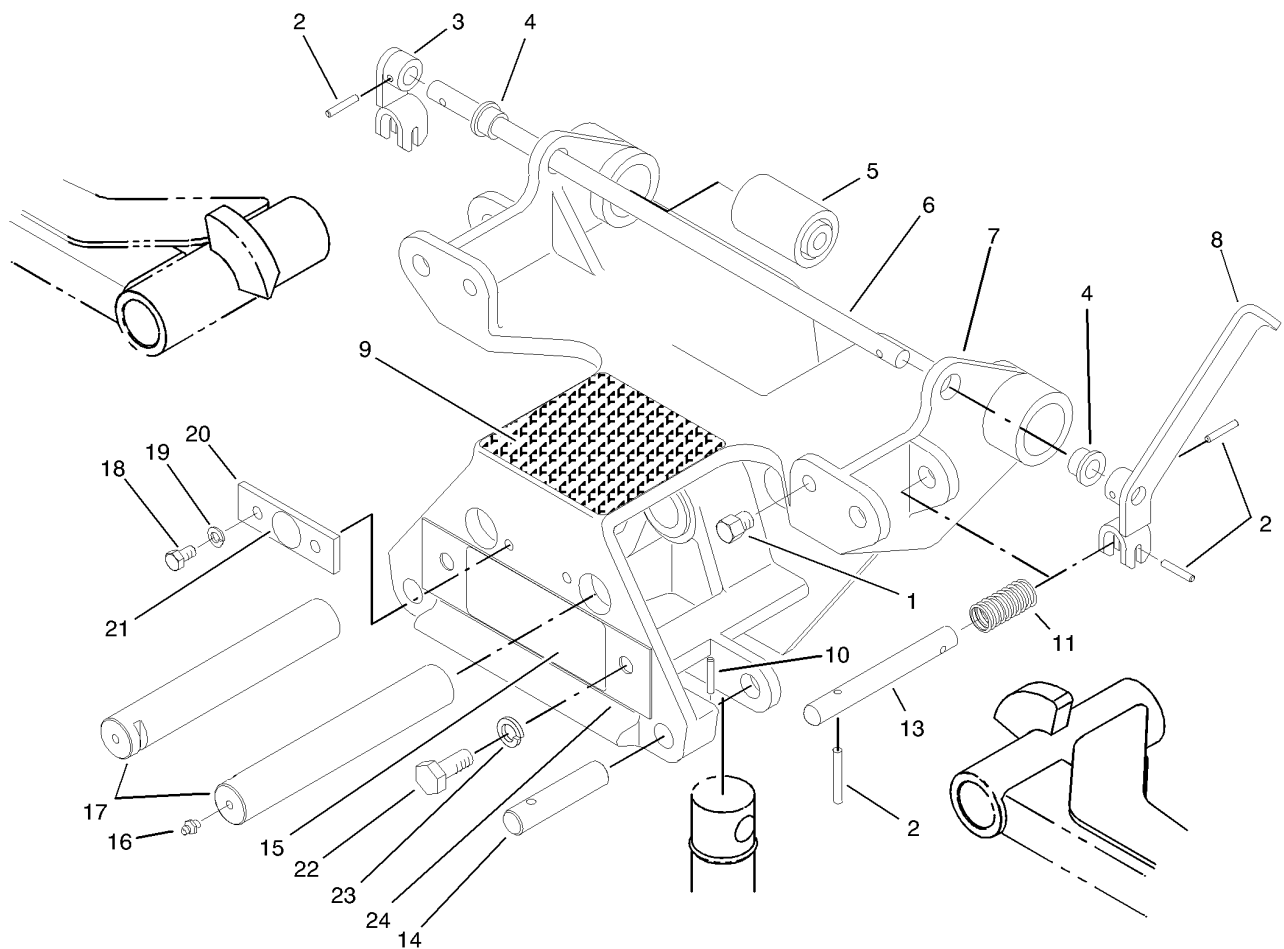
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	98-9772	1	Head-Filter
2	98-9764	1	Element
3	98-9774	1	O-Ring
4	98-9775	1	Base-Filter
6	237-42	1	O-Ring
7	237-78	1	O-Ring
8	98-9776	1	Plug-Head, Filter
9	98-9777	1	Drain Valve ASM
10	104-5219	1	Probe-Water



Fuel Tank and Lower Body Assembly

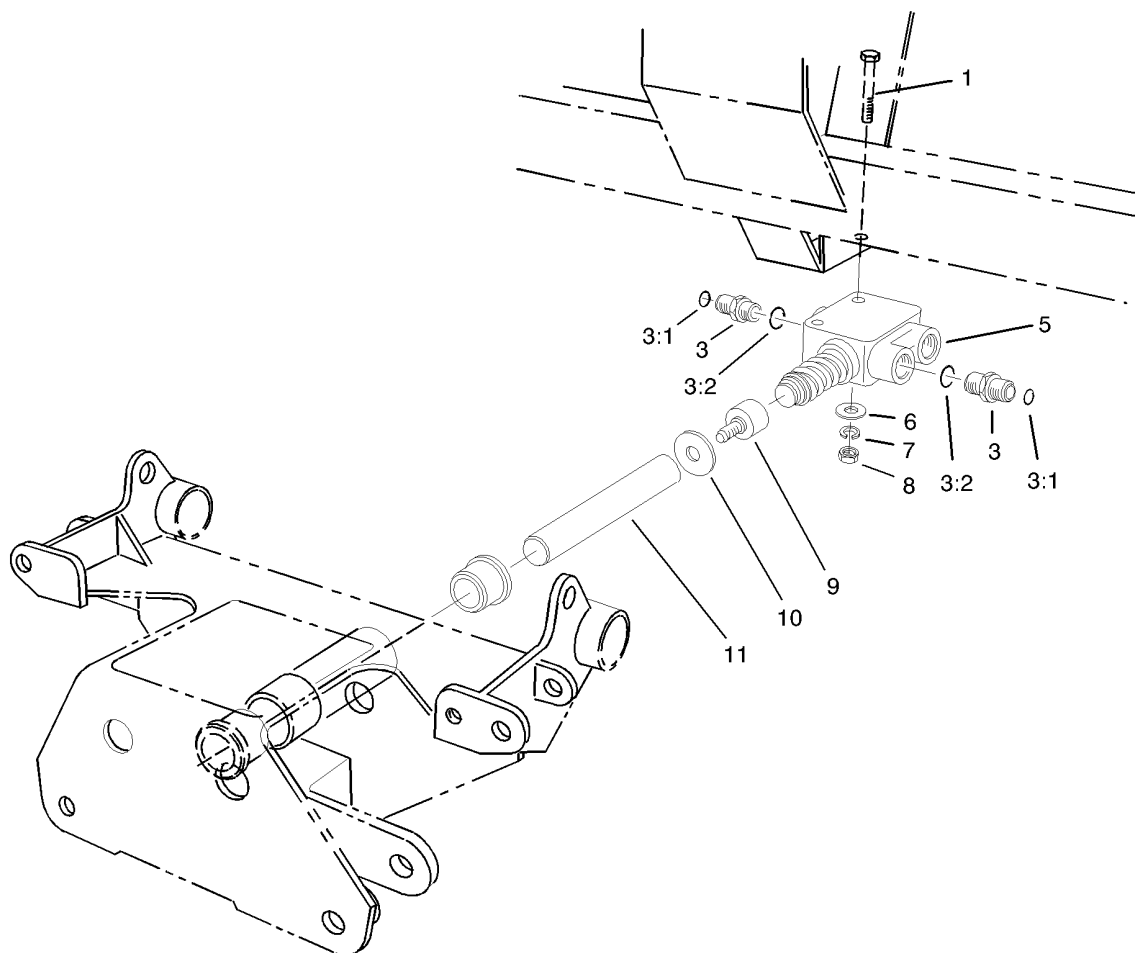
Ref.	Part Number	Qty.	Description
1	92-5671	1	Strip-Sealing
2	94-1348	1	Hose-Fuel
3	2412-108	5	Clamp-Worm
4	92-9266	1	Standpipe
5	92-5670	2	Strip-Sealing
6	46-6560	3	Bushing
7	32122-24	5	Screw-PTH
8	3253-15	5	Washer-Lock
9	92-9267	1	Sender-Fuel
10	62-7650	1	Gasket
11	93-3102	1	Cap-Fuel
12	92-5674	1	Neck-Fill, Fuel
13	92-5675	1	Grommet
14	2412-42	2	Clamp-Hose
15	92-9272	1	Hose-Fill, Fuel
16	93-1402	1	Tank-Fuel
17	104-5266-03	1	Body-Lower
18	32144-1	4	Screw-Taptite
19	240-11	2	Bushing-Flange
20	63-8410	2	Washer
21	323-5	2	Screw-HH
22	52-9590	4	Latch-Screen
23	3296-12	4	Nut-Lock, NI
24	92-5654-03	1	Panel-Out, Clean
25	3234-4	1	Screw-HHF
26	321-2	9	Screw-HH

Ref.	Part Number	Qty.	Description
31	3296-56	7	Nut-Lock, NI
32	92-5653-03	1	Ring-Clamp
33	92-5269	1	Bellows
34	92-1242	1	Decal
35	3234-13	2	Screw-HHF
36	240-9	3	Grommet
37	32148-9	2	Nut-Clinch
38	3256-51	4	Washer-Flat
39	46-6550	1	Fitting-Elbow, 90 DEG
40	92-9283	1	Hose-Fuel
41	92-6064	2	Clamp-R
42	322-3	2	Screw-HH
43	92-6069-03	1	Shield-Exhaust
44	3296-29	4	Nut-Lock, NI
45	32128-33	3	Nut-HF
46	3256-23	2	Washer-Plain
47	3234-17	2	Screw-HHF
48	94-8270	4	Bolt-Shoulder
49	63-4220	4	Spring-Compression
50	3256-78	4	Washer-Flat
51	94-8258	2	Strip-Seal
52	100-6588	1	Hose-Return
53	60-4350	1	Grommet
54	98-7612	1	Filter-Fuel
55	104-5228	1	Fitting-Elbow, 90 DEG



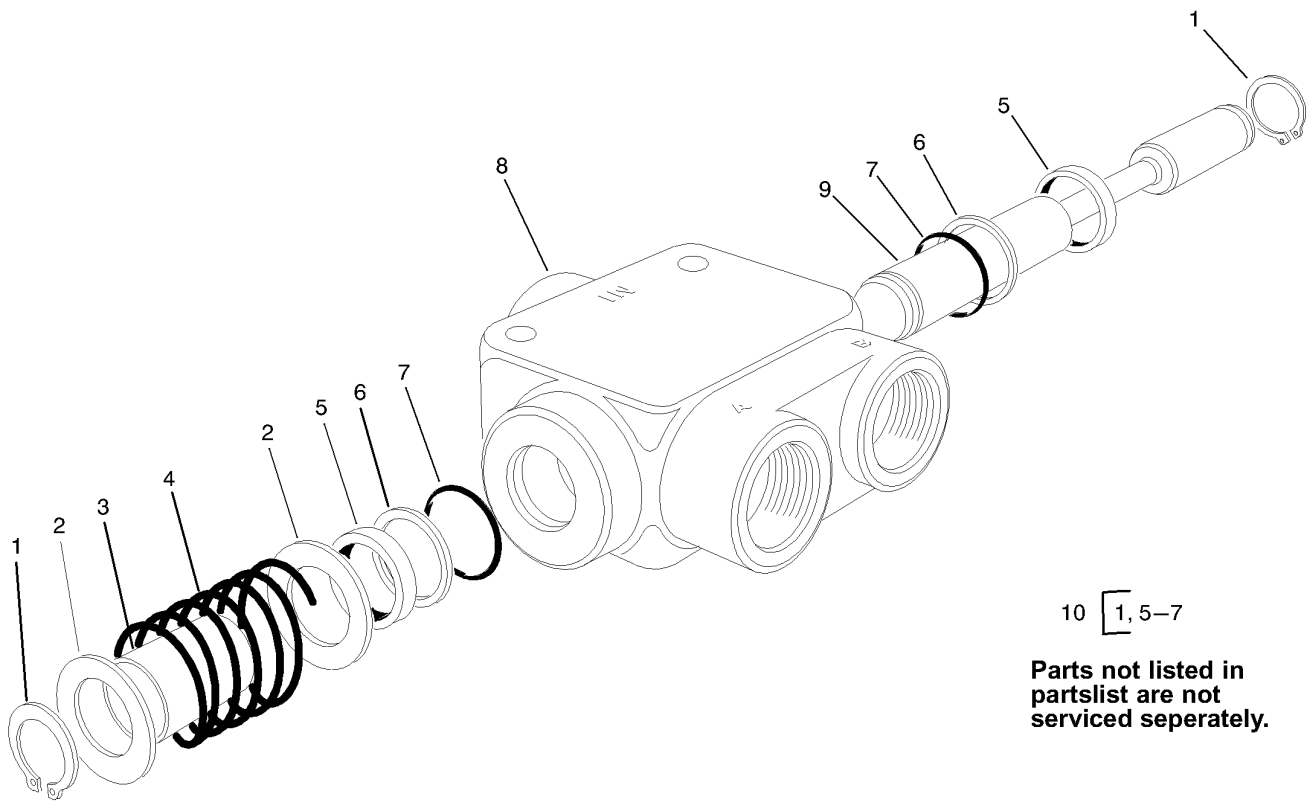
Front Carrier Assembly

Ref.	Part Number	Qty.	Description
1	82-9250	2	Stud-Threaded
2	60-2000	6	Pin
3	60-1750-03	1	Lever-Latching, RH
4	60-1990	2	Bushing
5	47-7010	2	Bushing-Rubber
6	60-1820	1	Shaft-Pivot, Latch
7	74-2920-03	1	Carrier-Front
8	60-1780-03	1	Lever-Latching, LH
9	82-9370	1	Pad-Step, Front
10	32121-84	2	Pin-Spiral
11	60-0670	2	Spring
13	82-9360	2	Rod-Latch
14	58-2720	2	Pin
15	93-9400	1	Decal-Danger
16	302-5	2	Fitting-Grease
17	60-0090	2	Pin-Pivot
18	322-2	2	Screw-HH
19	3253-4	2	Washer-Lock
20	60-0190	1	Strip
21	58-6520	1	Decal-Grease
22	325-2	2	Screw-HH
23	3253-7	2	Washer-Lock
24	84-6480	1	Plate-Decal



Front Reel Shut-Off Assembly

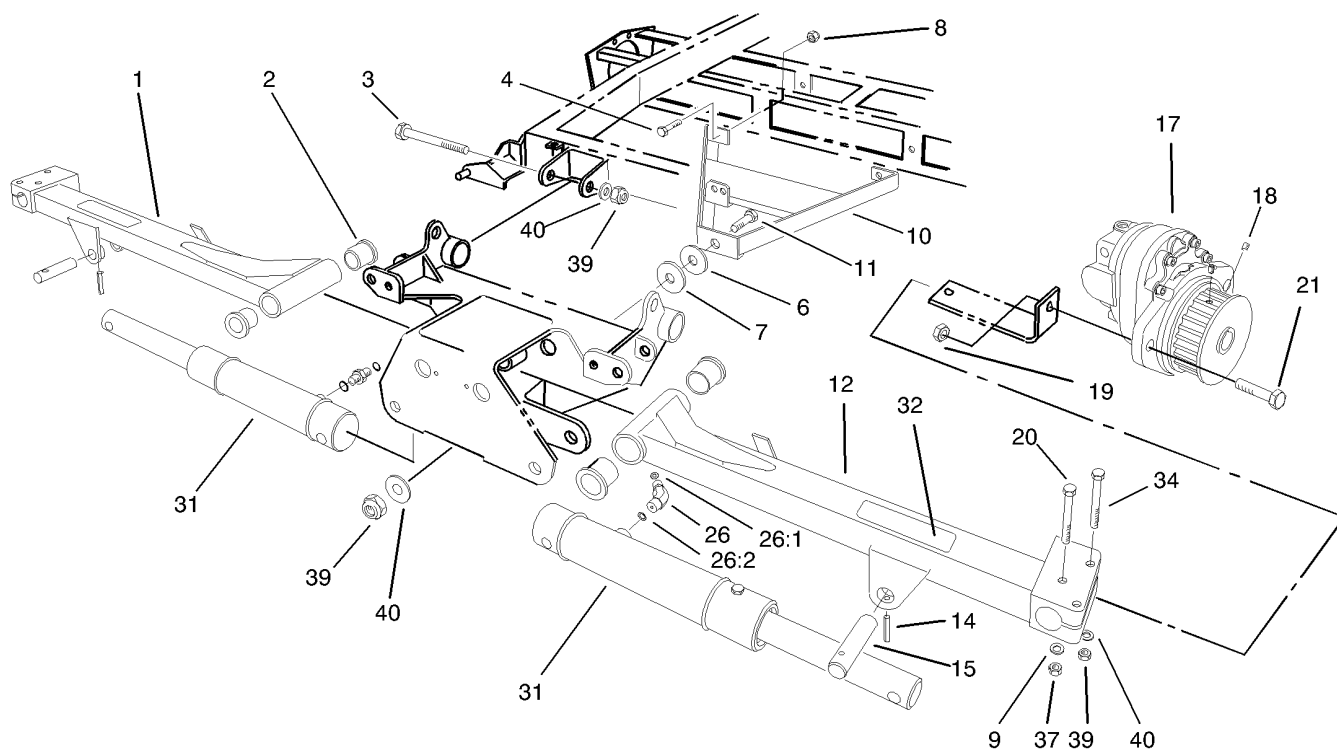
Ref.	Part Number	Qty.	Description
1	322-12	2	Screw-HH
3	340-7	3	Fitting-Straight
3:1	237-65	1	O-Ring
3:2	237-80	1	O-Ring
5	58-5460	1	Valve-Selector
6	3256-23	2	Washer-Plain
7	3253-4	2	Washer-Lock
8	3217-6	2	Nut-Hex
9	59-7140	1	Bushing-Rubber
10	3256-68	3	Washer-Flat
11	60-0300	1	Rod-Push



Reel Shut-Off Valve Assembly No. 58-5460

Ref.	Part Number	Qty.	Description
2	59-7820	2	Washer
3		1	Spacer ●
4	59-7840	1	Spring
8		1	Body ●
9		1	Spool ●
10	59-7890	1	Seal Repair Kit

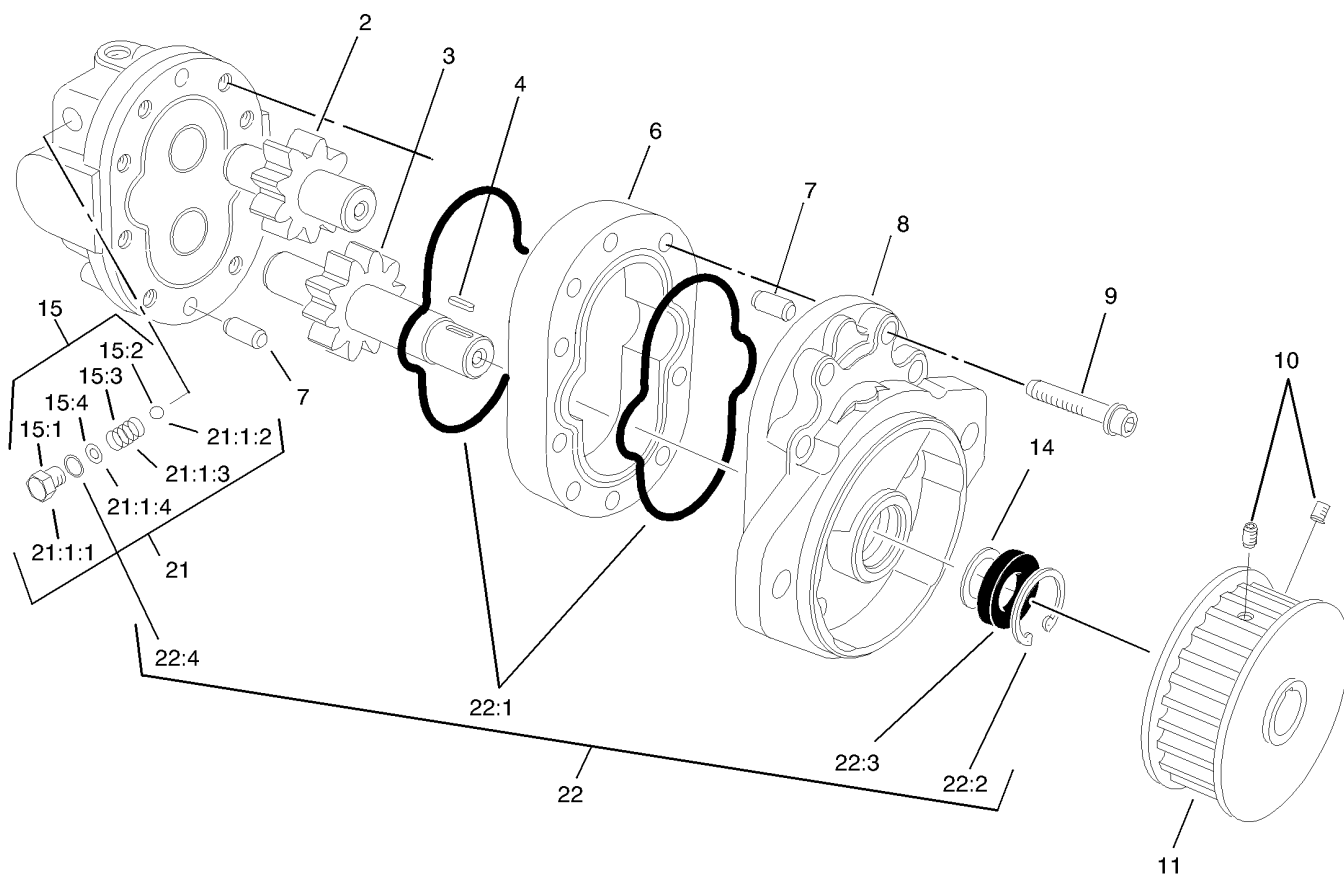
● Not serviced separately



Front Lift Arm and A-Frame Assembly

Ref.	Part Number	Qty.	Description
1	92-9291-01	1	Arm-Lift, No. 3
2	68-6480	4	Bushing-Flange
3	325-17	2	Screw-HH
4	323-7	2	Screw-HH
6	52-6180	3	Spacer
7	60-3250	1	Washer
8	3290-357	2	Nut-HHF, Whiz
9	3256-56	2	Washer-Flat
10	92-9246-03	1	A-Frame
11	325-7	1	Screw-HH
12	92-9290-01	1	Arm-Lift, No. 2
14	60-1280	2	Pin
15	58-4380	2	Pin
17	93-1412	2	HYD Motor ASM

Ref.	Part Number	Qty.	Description
18	3246-17	4	Setscrew-HSH
19	3296-48	2	Nut-Hex
20	323-14	2	Screw-HH
21	324-6	2	Screw-HH
26	340-87	2	Fitting-Elbow, 45 DEG
26:1	237-22	1	O-Ring
26:2	237-42	1	O-Ring
31	104-5225	2	Cylinder-HYD
32	93-7331	2	Decal-Warning
34	325-34	4	Screw-HH
37	3296-39	2	Nut-Lock, NI
39	3296-23	7	Nut-Lock, NI
40	3256-26	7	Washer-Flat

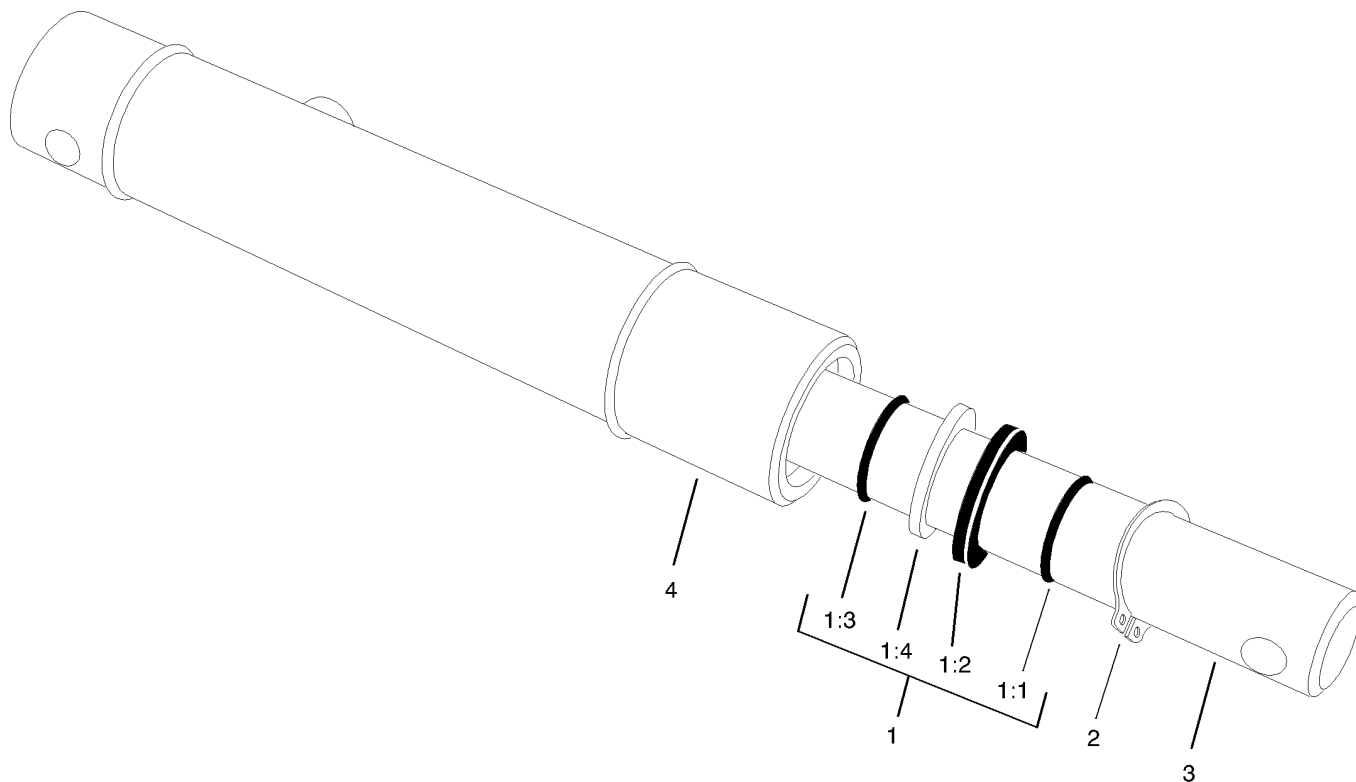


Reel Motor Assembly No. 93-1412

Ref.	Part Number	Qty.	Description
2	66-5750	1	Idler Gear ASM
3	66-5760	1	Drive Gear ASM
4	47-2380	1	Key-Square
6	66-5740	1	Body ASM
7	42-2010	2	Pin-Dowel
8	66-5730	1	Front Plate ASM
9	66-5770	8	Capscrew
10	3246-17	2	Setscrew-HSH
11	47-7150	1	Pulley-Drive
14	60-5890	1	Washer
15	92-9260	2	Relief Valve Kit
15:1		2	Plug ●
15:2		2	Ball ●

Ref.	Part Number	Qty.	Description
15:3		2	Spring ●
15:4		2	Shim ●
21	92-9259	1	Backplate ASM
21:1:1		2	Plug ●
21:1:2		2	Ball ●
21:1:3		2	Spring ●
21:1:4		2	Shim ●
22	93-1413	1	Seal Kit
22:1	59-8420	2	Ring
22:2	59-8320	1	Ring-Retaining
22:3	66-5710	1	Seal-Shaft
22:4		2	Seal-Dust ●

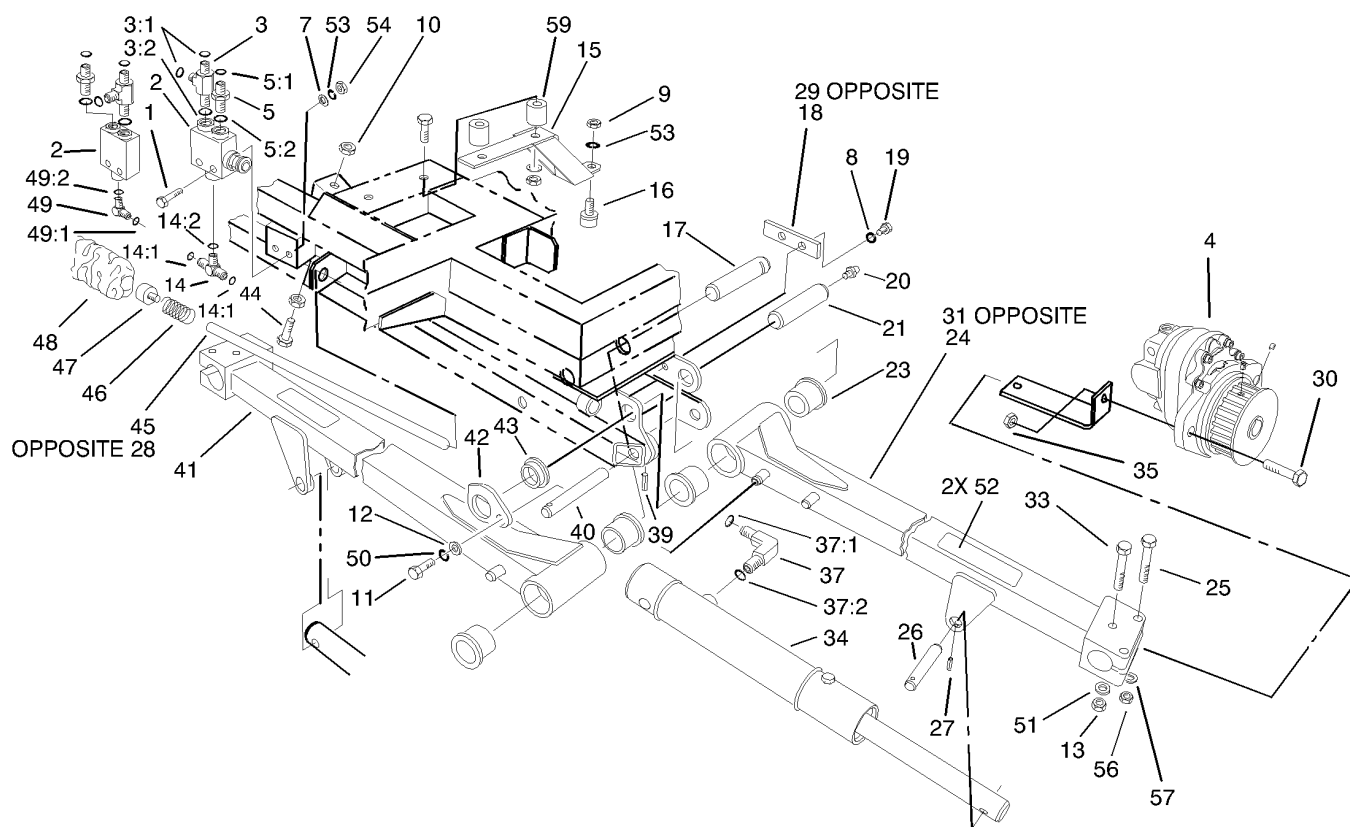
● Not serviced separately



Hydraulic Cylinder Assembly No. 104-5225

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	104-5227	1	Repair Kit
1:1		1	Seal-Dust ●
1:2		1	Backup ●
1:3		1	Seal-Rod ●
1:4		1	Seal-Dust ●
2	76-0050	1	Ring-Retaining
3		1	Rod ●
4		1	Barrel ●

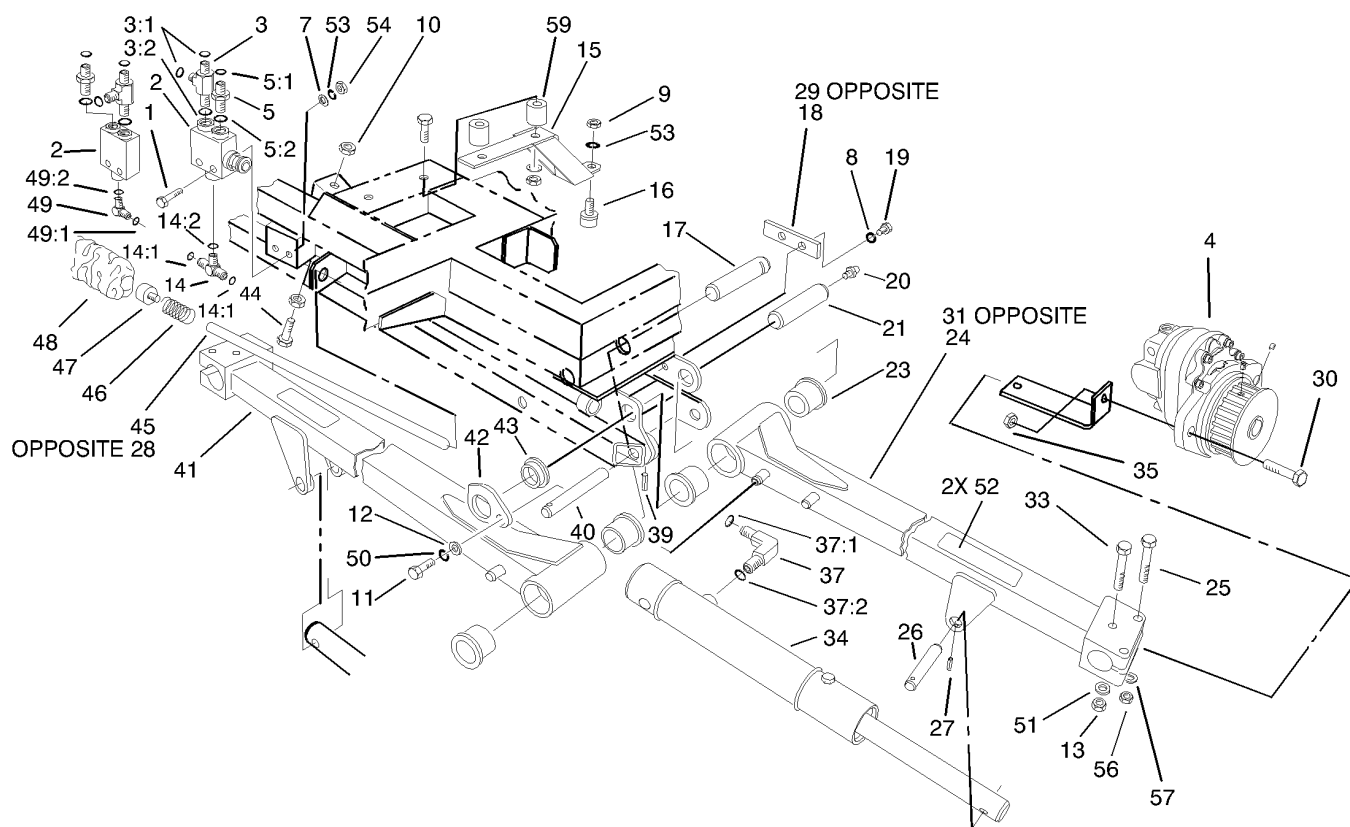
● Not serviced separately



Rear Lift Arm and Shut-Off Assembly

Ref.	Part Number	Qty.	Description
1	322-12	4	Screw-HH
2	58-5460	2	Valve-Selector
3	340-22	2	Fitting-Tee
3:1	237-65	2	O-Ring
3:2	237-80	1	O-Ring
4	93-1412	3	HYD Motor ASM
5	340-7	2	Fitting-Straight
5:1	237-65	1	O-Ring
5:2	237-80	1	O-Ring
7	3256-23	4	Washer-Plain
8	42-9850	4	Washer-Lock, Spring
9	33014-00	2	Nut-Hex
10	48-9530	2	Nut
11	323-6	2	Screw-HH
12	3256-3	2	Washer-Flat
13	3296-39	3	Nut-Lock, NI
14	340-93	1	Tee-Adapter
14:1	237-65	2	O-Ring
14:2	237-80	1	O-Ring
15	105-9271-01	2	Bracket-Bumper
16	48-3280	2	Stop-Bump
17	60-0090	1	Pin-Pivot
18	60-0190	1	Strip
19	33114-016	4	Screw-HH
20	302-5	3	Fitting-Grease
21	60-0100	2	Pin-Pivot
23	68-6480	6	Bushing-Flange
24	92-9296-01	1	Arm-Lift, No. 4

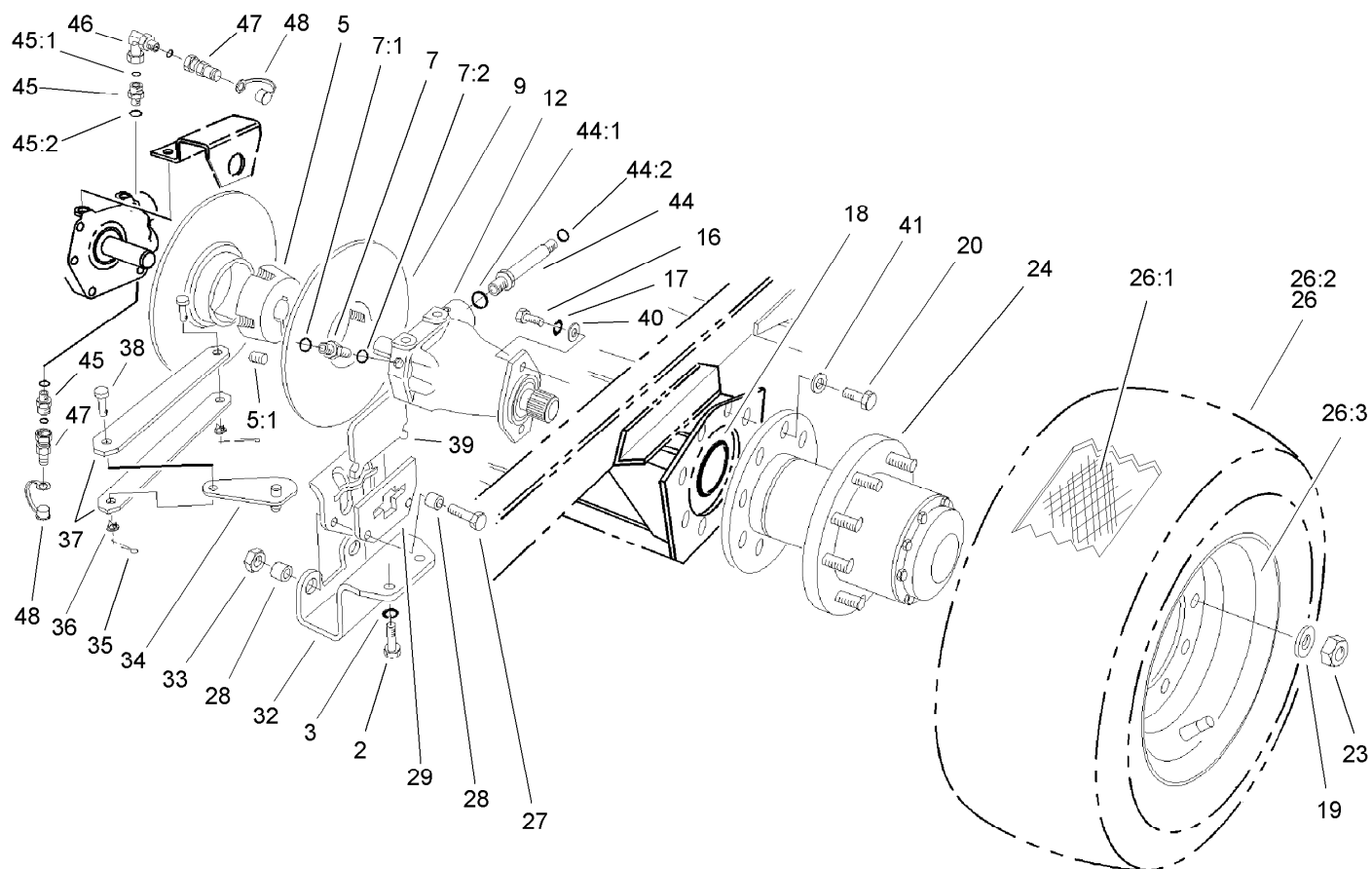
Ref.	Part Number	Qty.	Description
25	325-34	6	Screw-HH
26	58-4380	3	Pin
27	60-1280	3	Pin
28	60-1350	1	Rod-Push
29	60-1640	1	Strip
30	324-6	3	Screw-HH
31	92-9297-01	1	Arm-Lift, No. 5
33	323-14	3	Screw-HH
34	104-5225	3	Cylinder-HYD
35	3296-48	3	Nut-Hex
37	340-77	3	Fitting-Elbow, 90 DEG
37:1	237-22	1	O-Ring
37:2	237-42	1	O-Ring
39	32121-84	3	Pin-Spiral
40	58-2720	3	Pin
41	92-9289-01	1	Arm-Lift, No. 1
42	58-9210	2	Cam
43	60-0080	2	Bushing
44	53-5940	1	Screw
45	60-1340	1	Rod-Push
46	58-3570	2	Spring
47	59-7140	2	Bushing-Rubber
48	58-9630	2	Sleeve
49	340-17	1	Fitting-Elbow, 90 DEG
49:1	237-65	1	O-Ring
49:2	237-80	1	O-Ring
50	3253-5	2	Washer-Lock
51	3256-56	3	Washer-Flat



Rear Lift Arm and Shut-Off Assembly (continued)

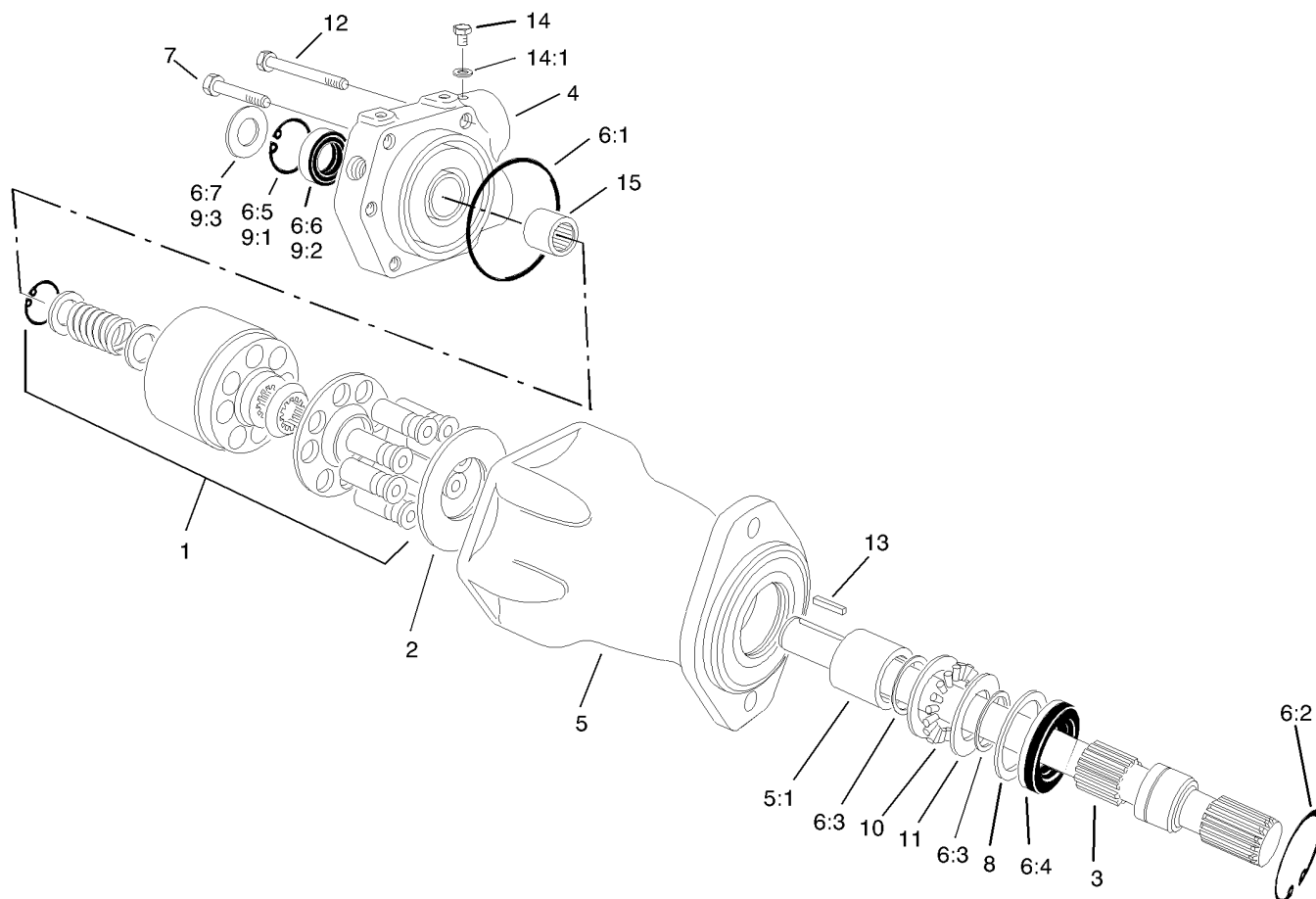
Ref.	Part Number	Qty.	Description
52	93-7331	3	Decal-Warning
53	3253-4	6	Washer-Lock
54	3217-6	4	Nut-Hex

Ref.	Part Number	Qty.	Description
56	3296-23	6	Nut-Lock, NI
57	3256-26	6	Washer-Flat
59	80-7590	4	Spacer



Front Wheel and Motor Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
2	322-3	4	Screw-HH	28	58-3780	8	Tube-Space
3	3253-4	4	Washer-Lock	29	29-1060	2	Bracket-Secondary
5	23-1840	2	Bushing-Taperlock	32	58-0110-03	2	Bracket-Caliper, Brake
5:1	60-6620	2	Screw-Set	33	3296-39	4	Nut-Lock, NI
7	340-2	2	Fitting-Straight	34	29-1070	2	Lever ASM
7:1	237-22	1	O-Ring	35	3272-6	4	Pin-Cotter
7:2	237-42	1	O-Ring	36	60-1740	4	Nut
9	58-0070	2	Disc Brake ASM	37	58-2300	4	Link-Brake
12	58-5430	2	Piston Motor ASM	38	283-67	4	Pin-Clevis
16	323-18	4	Screw-HH	39	29-1080	4	Stator ASM
17	3253-5	4	Washer-Lock	40	3256-3	4	Washer-Flat
18	353-949	2	O-Ring	41	3253-8	16	Washer-Lock
19	3253-7	18	Washer-Lock	44	92-6058	4	Fitting-STR
20	327-3	16	Screw-HH	44:1	237-81	1	O-Ring
23	3219-5	18	Nut-Hex	44:2	237-58	1	O-Ring
24	108-1434-03	2	Planetary Gear Drive ASM	45	98-1282	2	Adapter-HYD, Straight
26	66-5660	2	Wheel And Tire ASM	45:1	237-22	1	O-Ring
26:1	58-5620	1	Tube	45:2	237-118	1	O-Ring
26:2	63-4480	1	Tire	46	98-1281	1	Adapter-90 DEG
26:3	58-5610	1	Rim	47	86-5480	2	Nipple-Test
27	323-20	4	Screw-HH	48	353-947	2	Cap-Dust, Rubber

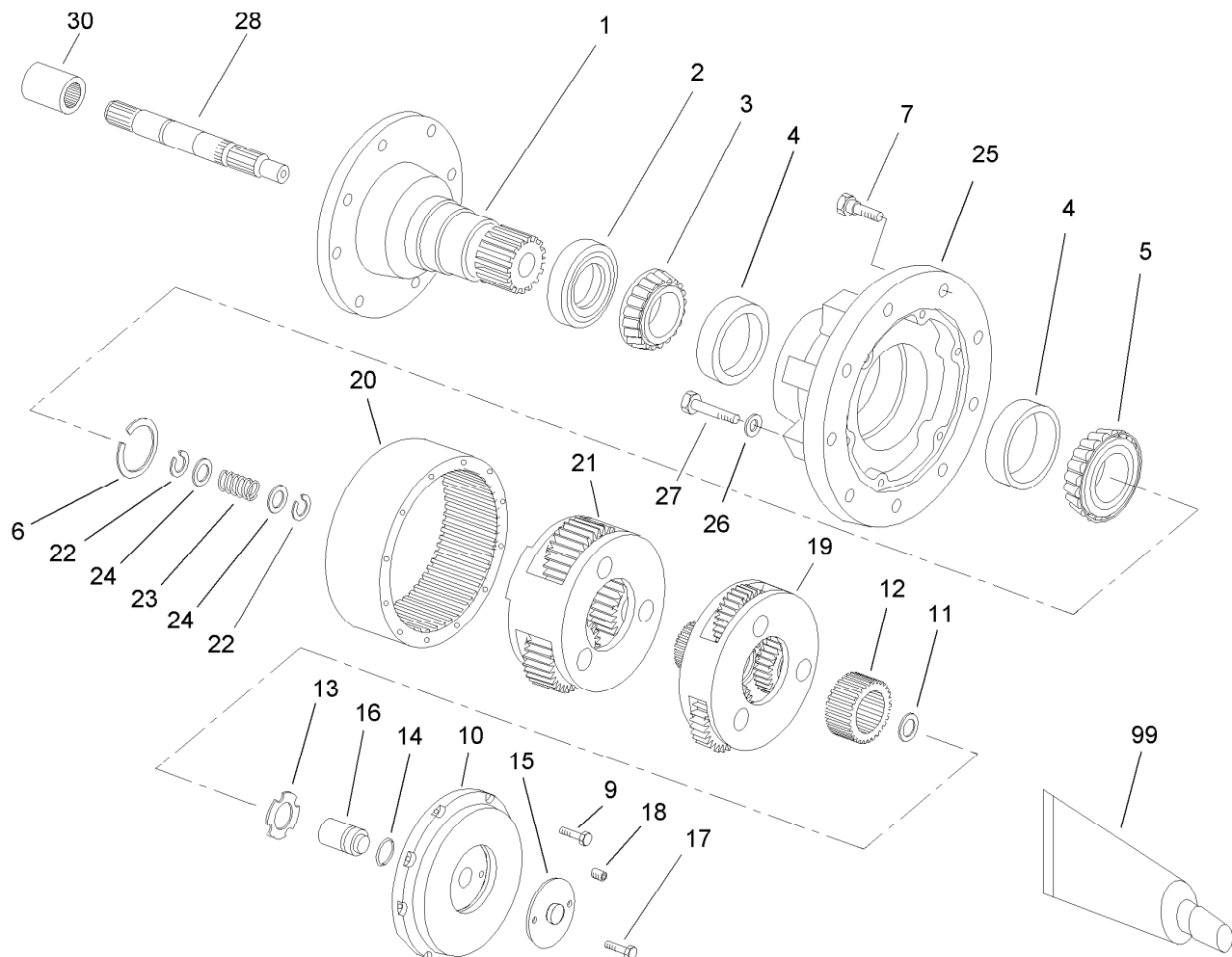


Wheel Motor Assembly No. 58-5430

Ref.	Part Number	Qty.	Description
1	59-8340	1	Rotating Kit
2	59-8350	1	Camplate
3	59-8360	1	Shaft
4	59-8270	1	Plate
5	59-8300	1	Housing
5:1	94-6363	1	Bearing
6	59-8390	1	Seal Kit ●
6:1	59-8260	1	Ring
6:2	32151-13	1	Ring-Retaining
6:3	32151-29	2	Ring-Retaining
6:4	59-8370	1	Seal
6:5	59-8320	1	Ring-Retaining
6:6	49-2640	1	Seal-Shaft
6:7	84-6440	1	Shield-Grass

Ref.	Part Number	Qty.	Description
7	59-8290	3	Capscrew
8	33-3720	1	Washer
9	66-5840	1	Seal Kit ●
9:1	59-8320	1	Ring-Retaining
9:2	49-2640	1	Seal-Shaft
9:3	84-6440	1	Shield-Grass
10	252-66	1	Bearing-Thrust
11	252-71	1	Washer-Thrust
12	59-8280	3	Capscrew
13	59-8380	1	Key
14	353-948	2	Fitting-Plug
14:1	237-118	1	O-Ring
15	94-6368	1	Bearing

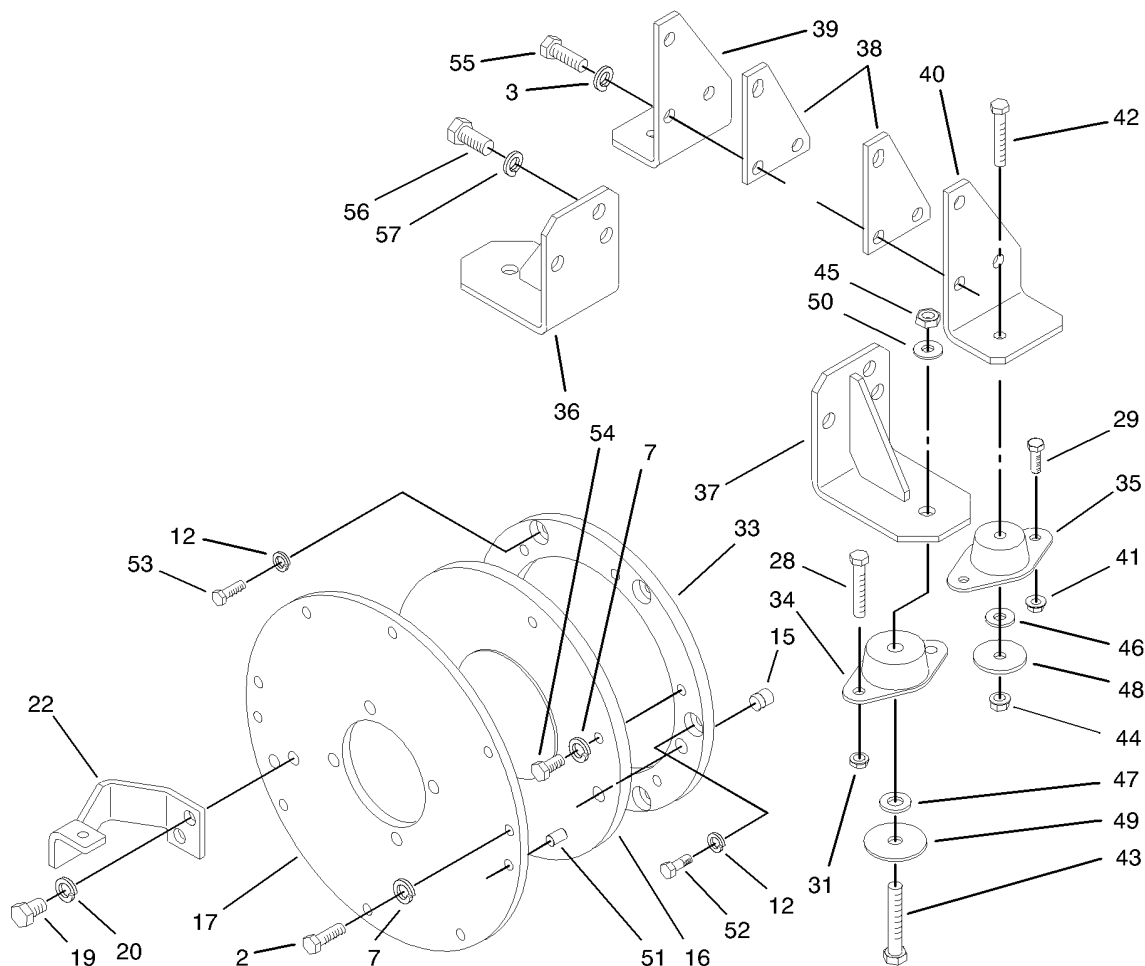
● Not illustrated



Drive Gear Assembly No. 108-1434-03

Ref.	Part Number	Qty.	Description
1	60-3820	1	Spindle
2	60-3830	1	Seal
3	60-3880	1	Cone
4	60-3850	1	Cup
5	60-3840	1	Cone
6	62-6450	1	Retaining Ring Kit
7	107-4341	9	Bolt-Wheel
9	98-8270	8	Bolt
10	107-4345	1	Cover
11	108-1445	1	Ring-Retaining
12	62-6430	1	Gear
13	60-3990	1	Washer
14	107-4346	1	O-Ring
15	60-4060	1	Cover
16	107-4347	1	Plunger

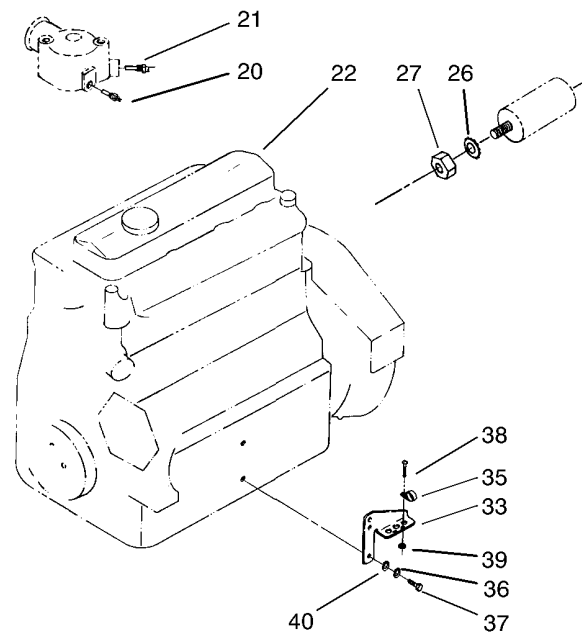
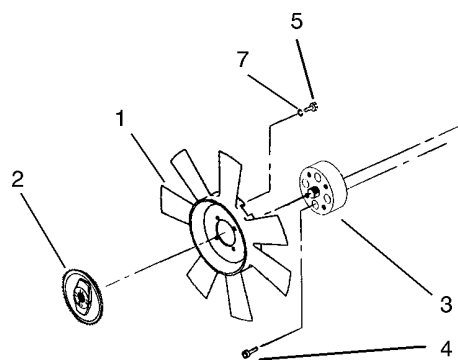
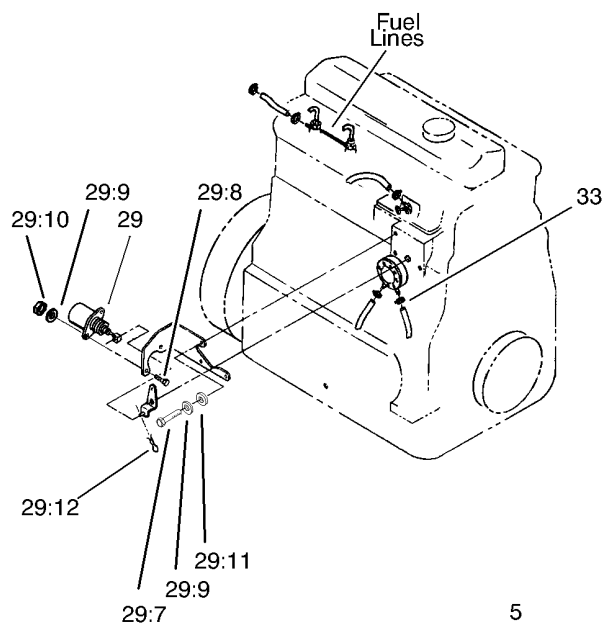
Ref.	Part Number	Qty.	Description
17	322-1	2	Screw-HH
18	60-4040	1	Plug
19	108-1443	1	Primary Carrier ASM
20	60-3900	1	Gear
21	108-1444	1	Secondary Carrier ASM
22	82-8700	2	Ring
23	60-3950	1	Spring
24	60-3940	2	Washer
25	107-4342	1	Hub
26	60-3910	12	Washer
27	60-3890	12	Bolt
28	107-4340	1	Shaft-Input
30	60-3800	1	Coupling
99	62-6460	1	Sealant-R



Engine Installation Assembly

Ref.	Part Number	Qty.	Description
2	43-0090	8	Screw-HH
3	48-8070	6	Washer-Lock
7	48-9590	14	Washer-Lock
12	42-9850	6	Washer-Lock, Spring
15	58-3590	2	Dowel
16	92-1753	1	Coupling-Spring
17	98-1211-03	1	Plate-Adapter, Pump
19	3213-20	2	Screw-HH
20	3253-7	2	Washer-Lock
22	98-7066-03	1	Bracket-Damper
28	323-11	4	Screw-HH
29	322-5	4	Screw-HH
31	32128-21	4	Nut-HF Lock
33	100-5633	1	Spacer-Coupling
34	98-3024	2	Mount-Engine
35	83-1030	2	Mount-Engine
36	98-1207-03	1	Bracket-Front, LH
37	98-1206-03	1	Bracket-Front, RH
38	98-1200-03	2	Spacer

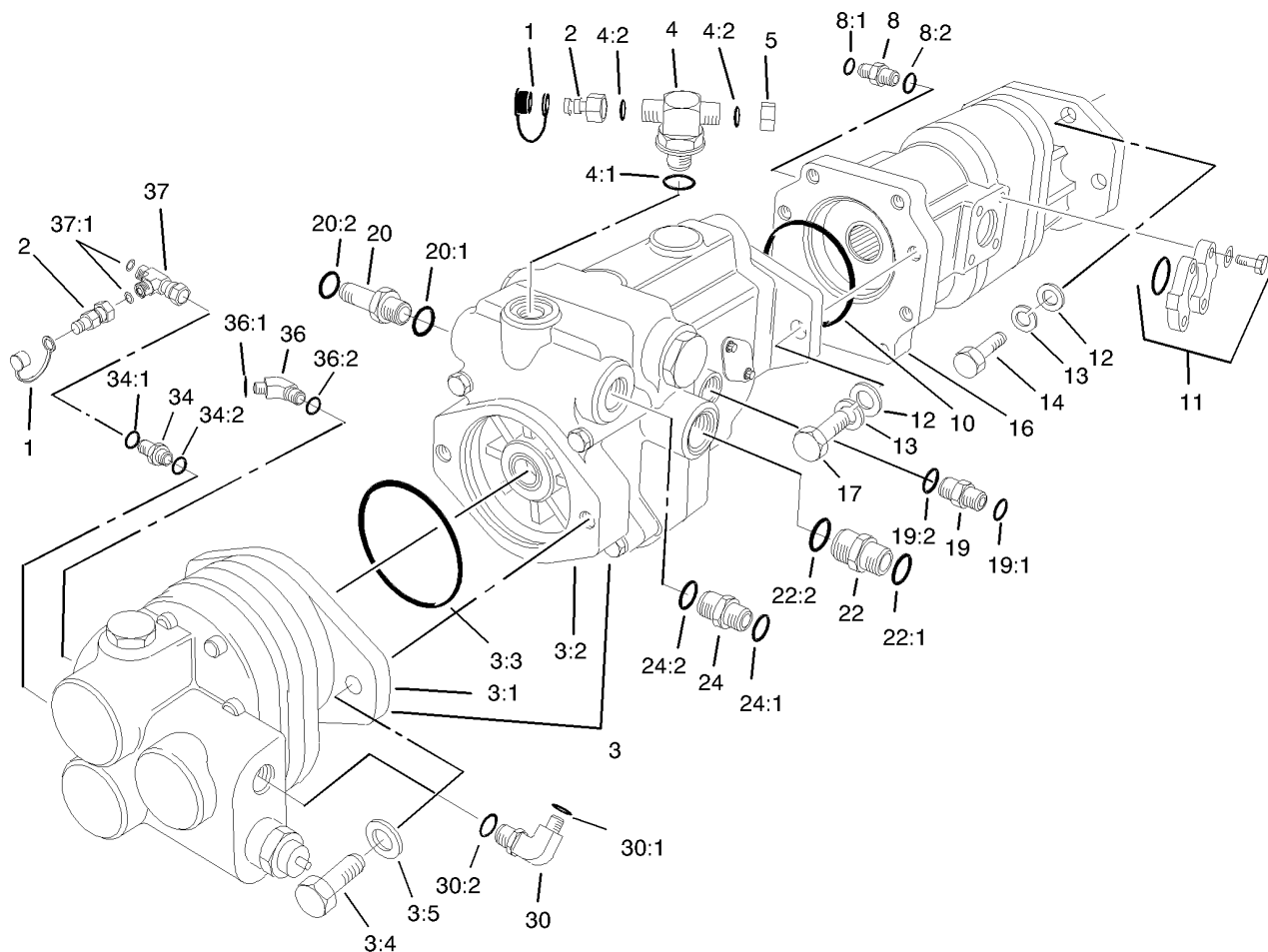
Ref.	Part Number	Qty.	Description
39	98-1204-03	1	Bracket-Engine, LH Rear
40	98-1205-03	1	Bracket-Engine, RH Rear
41	32128-20	4	Nut-HF
42	323-11	2	Screw-HH
43	33116-070	2	Screw-HH
44	32128-43	2	Nut-Flange
45	48-9530	2	Nut
46	80-6990	2	Washer-Hardened
47	3256-26	2	Washer-Flat
48	63-7400	2	Washer-Rebound
49	87-5100	2	Washer-Snubbing
50	43-5940	2	Washer-Lock, Spring
51	98-1212	2	Pin-Plate, Pump
52	100-5634	2	Bolt-Shoulder
53	33114-020	4	Screw-HH
54	70-8470	6	Screw-HH
55	43-3180	6	Screw-HH
56	43-3210	6	Screw-HH
57	43-5950	6	Washer-Lock, Spring



Engine Attachment Assembly

Ref.	Part Number	Qty.	Description
1	104-5269	1	Fan
2	93-1430	1	Drive-Fan
3	98-1242	1	Adapter-Fan
4	52-6290	4	Screw-HSH
5	322-2	8	Screw-HH
7	3253-4	8	Washer-Lock
20	98-3824	1	Switch-Temp
21	98-3825	1	Switch-Temp
22	104-5259	1	Engine-Kubota
26	3255-8	1	Washer-Lock
27	33014-00	1	Nut-Hex
29	98-3817	1	Solenoid Kit
29:7	33113-025	3	Screw-HH

Ref.	Part Number	Qty.	Description
29:8	33113-016	2	Screw-HH
29:9	48-8020	5	Washer-Spring
29:10	33013-00	2	Nut-Hex
29:11	33093-00	3	Washer-Flat
29:12	3272-2	1	Pin-Cotter
33	98-1293-03	1	Bracket-Line
35	2412-83	2	Clamp-Cable
36	43-5940	2	Washer-Lock, Spring
37	42-9250	2	Bolt
38	32105-13	2	Screw-HWH
39	3296-2	2	Nut-Lock, NI
40	3256-26	2	Washer-Flat

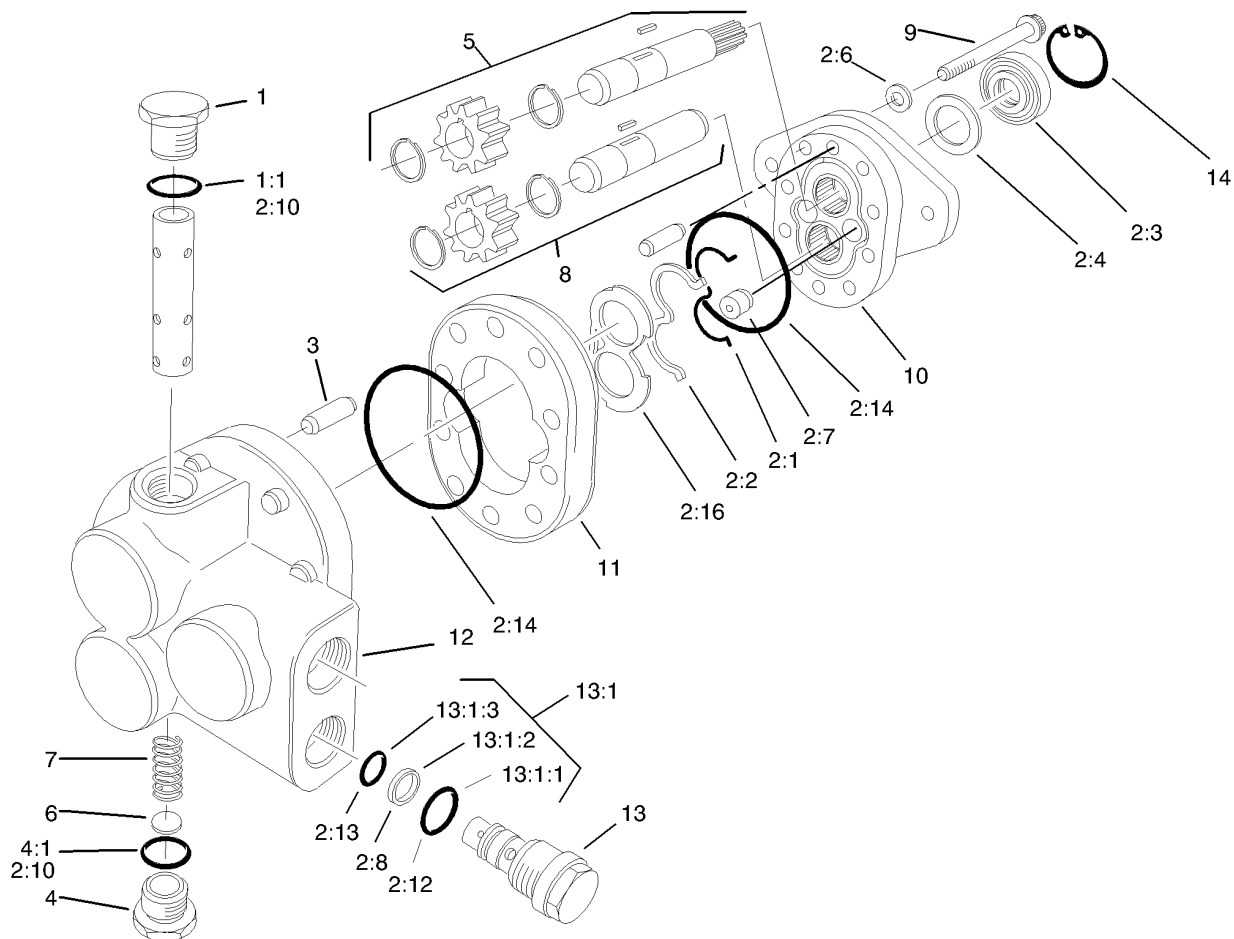


Hydraulic Pump Assembly

Ref.	Part Number	Qty.	Description
1	353-947	2	Cap-Dust, Rubber
2	86-5480	2	Nipple-Test
3		1	Tandem Pump ASM ●
3:1	99-6495	1	Gear Pump ASM
3:2	99-6494	1	Variable Piston Pump ASM
3:3	60-3520	1	O-Ring
3:4	60-3530	2	Bolt
3:5	60-3540	2	Washer
4	92-4799	1	Fitting-Tee, HYD
4:1	237-79	1	O-Ring
4:2	237-22	2	O-Ring
5	340-117	1	Cap
8	340-8	1	Fitting-Straight
8:1	237-65	1	O-Ring
8:2	237-81	1	O-Ring
10	59-8550	1	O Ring
11	340-62	1	Flange Kit
12	87-7270	6	Washer-Thrust
13	3253-7	6	Washer-Lock
14	3213-2	4	Screw-HH
16	86-6000-01	1	Pump
17	325-5	2	Screw-HH
19	340-2	1	Fitting-Straight

Ref.	Part Number	Qty.	Description
19:1	237-22	1	O-Ring
19:2	237-42	1	O-Ring
20	92-6058	1	Fitting-STR
20:1	237-81	1	O-Ring
20:2	237-58	1	O-Ring
22	340-9	1	Fitting-STR
22:1	237-58	1	O-Ring
22:2	237-81	1	O-Ring
24	340-4	1	Fitting-Straight
24:1	237-30	1	O-Ring
24:2	237-79	1	O-Ring
30	340-15	1	Fitting-Elbow 90
30:1	237-58	1	O-Ring
30:2	237-146	1	O-Ring
34	340-3	1	Fitting-Straight
34:1	237-22	1	O-Ring
34:2	237-79	1	O-Ring
36	340-89	1	Fitting-HYD, 45 DEG
36:1	237-30	1	O-Ring
36:2	237-80	1	O-Ring
37	340-115	1	Fitting-Tee
37:1	237-22	2	O-Ring

● Not serviced separately

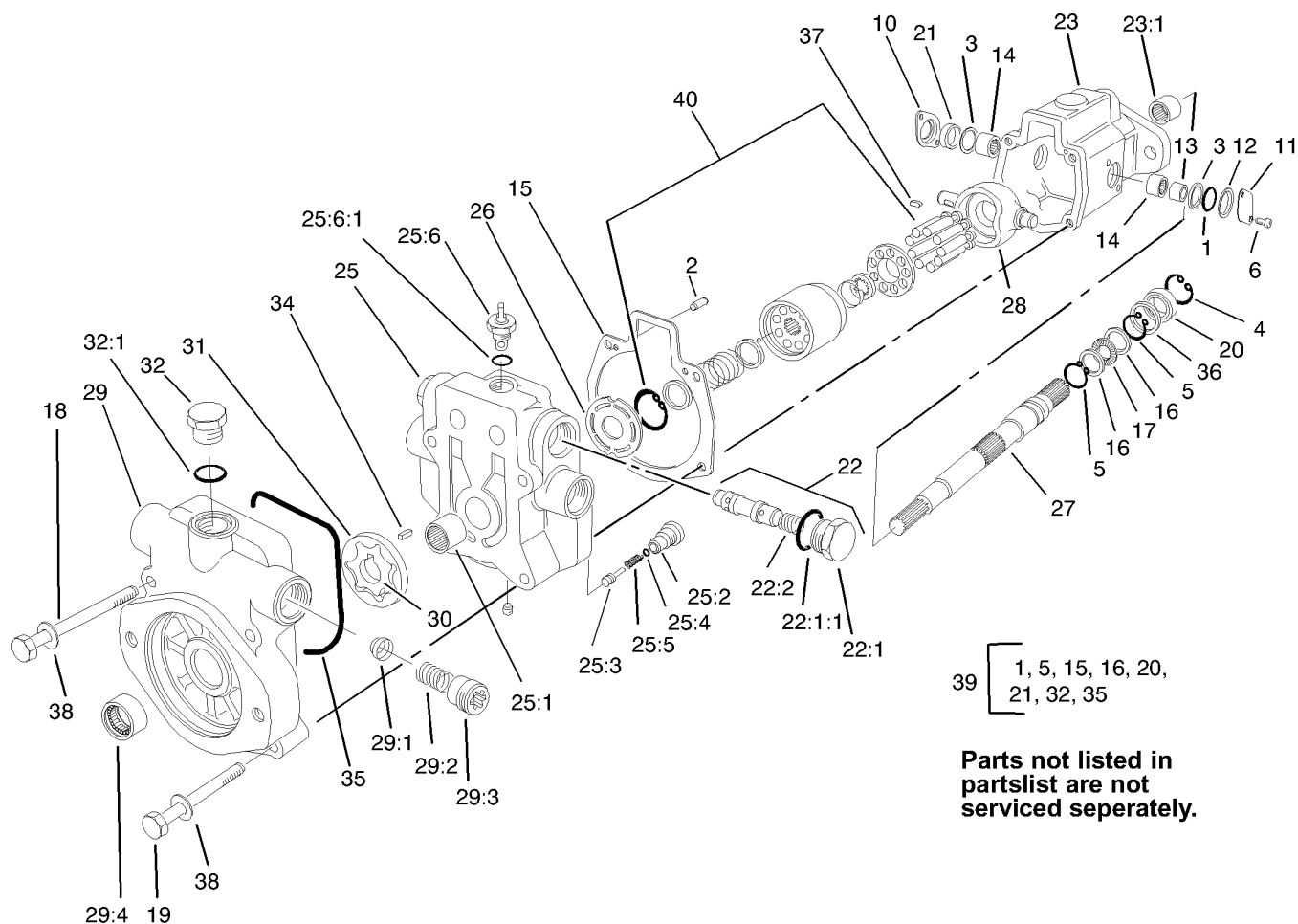


Gear Pump Assembly No. 99-6495

Ref.	Part Number	Qty.	Description
1	60-5860	1	Plug
1:1	60-5720	1	O-Ring
2	99-8594	1	*obs* Seal Kit ●
2:1	95-4367	1	Gasket-Backup
2:2	95-4369	1	Seal-Pressure
2:3	49-2640	1	Seal-Shaft
2:4	60-5890	1	Washer
2:6	94-8160	4	Washer
2:7	94-3011	1	Plug
2:8	92-9256	1	Washer-Backup
2:10	60-5720	2	O-Ring
2:12	92-9255	1	O-Ring
2:13	92-9254	1	O-Ring
2:14	56-6710	2	O-Ring
2:16	95-4368	1	Plate-Wear
3	60-5760	1	Pin

Ref.	Part Number	Qty.	Description
4	60-5710	1	Plug
4:1	60-5720	1	O-Ring
5	99-8591	1	Drive Gear ASM
6	60-5730	1	Disc
7	60-5820	1	Spring
8	99-8592	1	Idler Gear ASM
9	42-3140	8	Capscrew
10	95-4362	1	Plate-Front
11	99-8589	1	Body ASM
12	99-8590	1	Plate-Back
13	92-9253	1	Valve-Relief
13:1	92-9257	1	Seal Kit
13:1:1	92-9255	1	O-Ring
13:1:2	92-9256	1	Washer-Backup
13:1:3	92-9254	1	O-Ring
14	99-8593	1	Ring-Retaining

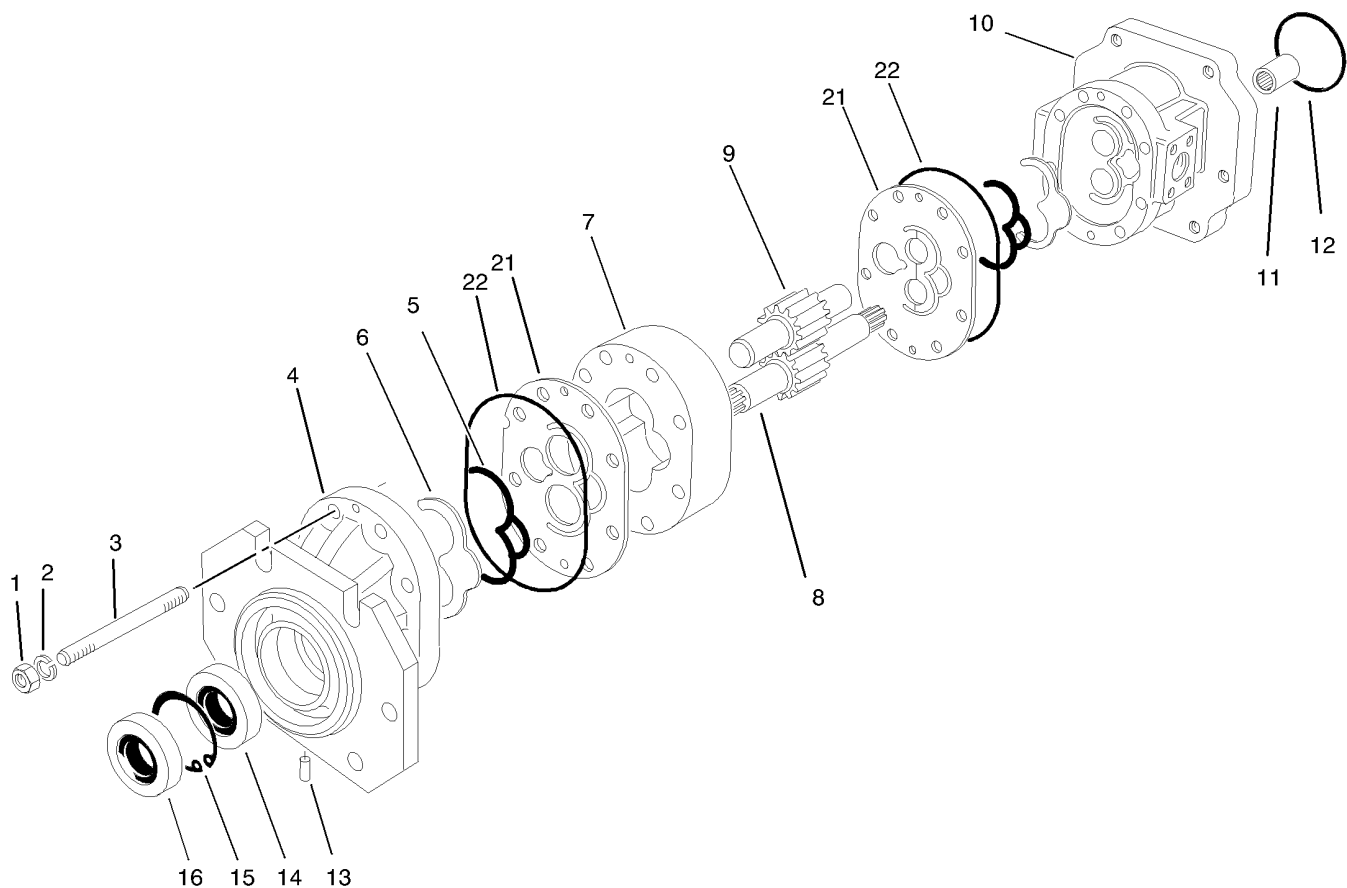
● Not illustrated



Variable Piston Pump Assembly No. 99-6494

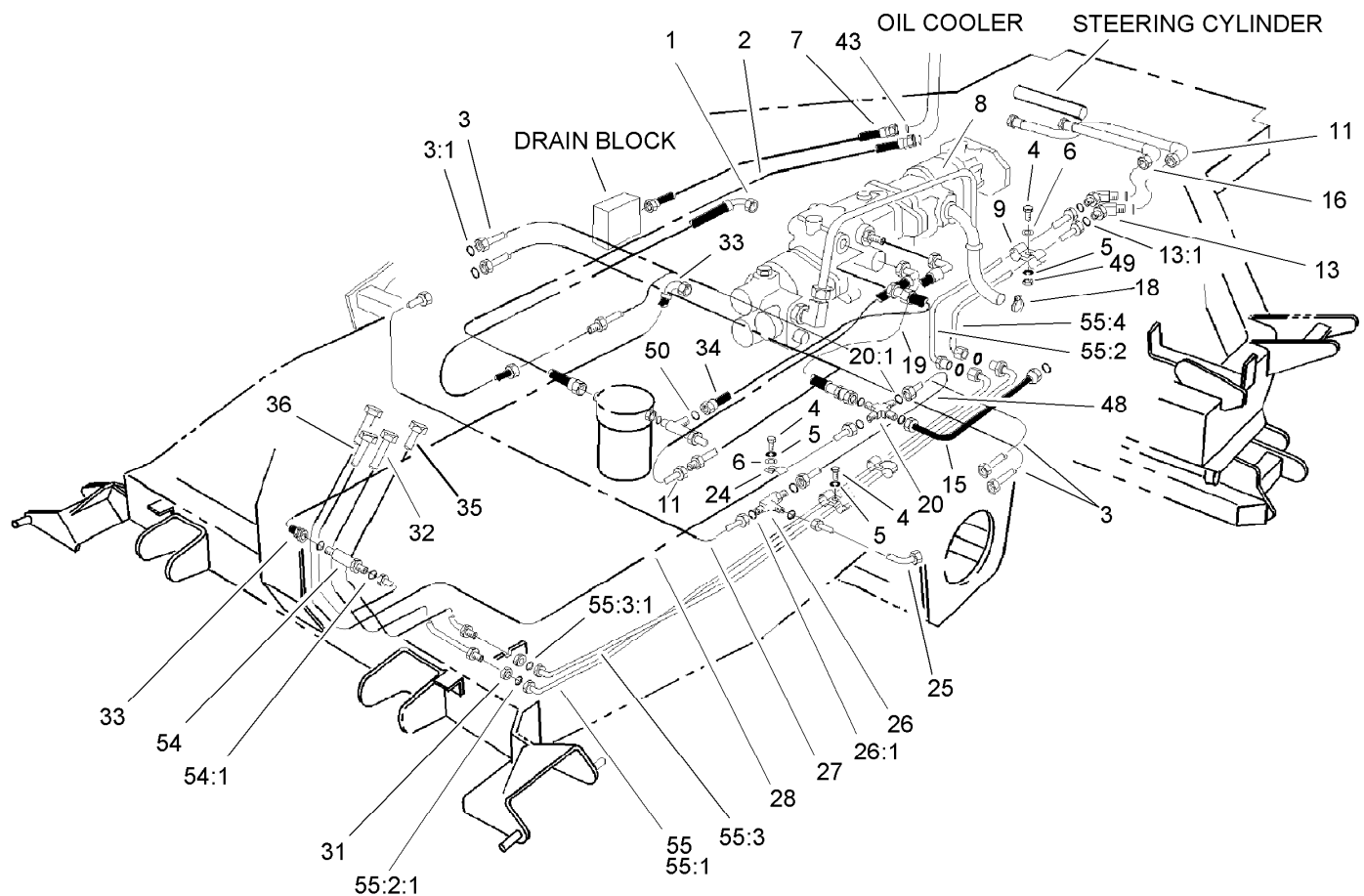
Ref.	Part Number	Qty.	Description
1	60-6190	1	O-Ring
2	95-6050	2	Pin-Dowel
3	60-6250	2	Washer
4	60-6260	1	Ring
5	60-6270	2	Ring
6	60-6330	4	Screw
10	60-6120	1	Cover-Seal
11	60-6010	1	Cover-Trunnion
12	99-8702	1	O-Ring Cover
13	60-5990	1	Race
14	60-6110	2	Bearing
15	60-6130	1	Gasket
16	60-6160	2	Race
17	76-6960	1	Bearing-Thrust
18	60-6230	2	Screw-HH
19	60-6220	2	Screw-HH
20	60-6300	1	Seal
21	42-2720	1	Seal-External
22	68-6460	2	Relief Valve Kit
22:1	70-1240	1	Plug ASM
22:1:1	60-5980	1	O-Ring
22:2	99-8700	1	Spring
23	99-8703	1	Housing ASM
23:1	63-4390	1	Bearing-Needle
25	99-8705	1	Backplate ASM
25:1	60-6050	1	Bearing

Ref.	Part Number	Qty.	Description
25:2	60-6060	1	Cartridge
25:3	60-6070	1	Poppet
25:4	60-6080	1	Ring
25:5	60-6090	1	Spring
25:6	39-2080	1	Tow Valve ASM
25:6:1	60-6290	1	O-Ring
26	99-8704	1	Plate-Valve
27	60-6140	1	Shaft
28	60-6020	1	Camplate
29	60-6200	1	Adapter
29:1	33-4990	1	Poppet
29:2	39-2140	1	Spring
29:3	39-2130	1	Retainer-Spring
29:4	60-6150	1	Bearing
30	99-8706	1	Gerotor-Inner
31	99-8707	1	Gerotor-Outer
32	60-6280	1	Plug
32:1	60-6290	1	O-Ring
34	60-6320	1	Key
35	99-8708	1	O-Ring
36	60-6240	1	Washer
37	60-6310	1	Key
38	3256-73	4	Washer-Flat
39	95-6056	1	Seal Kit
40	99-8701	1	Rotating Kit



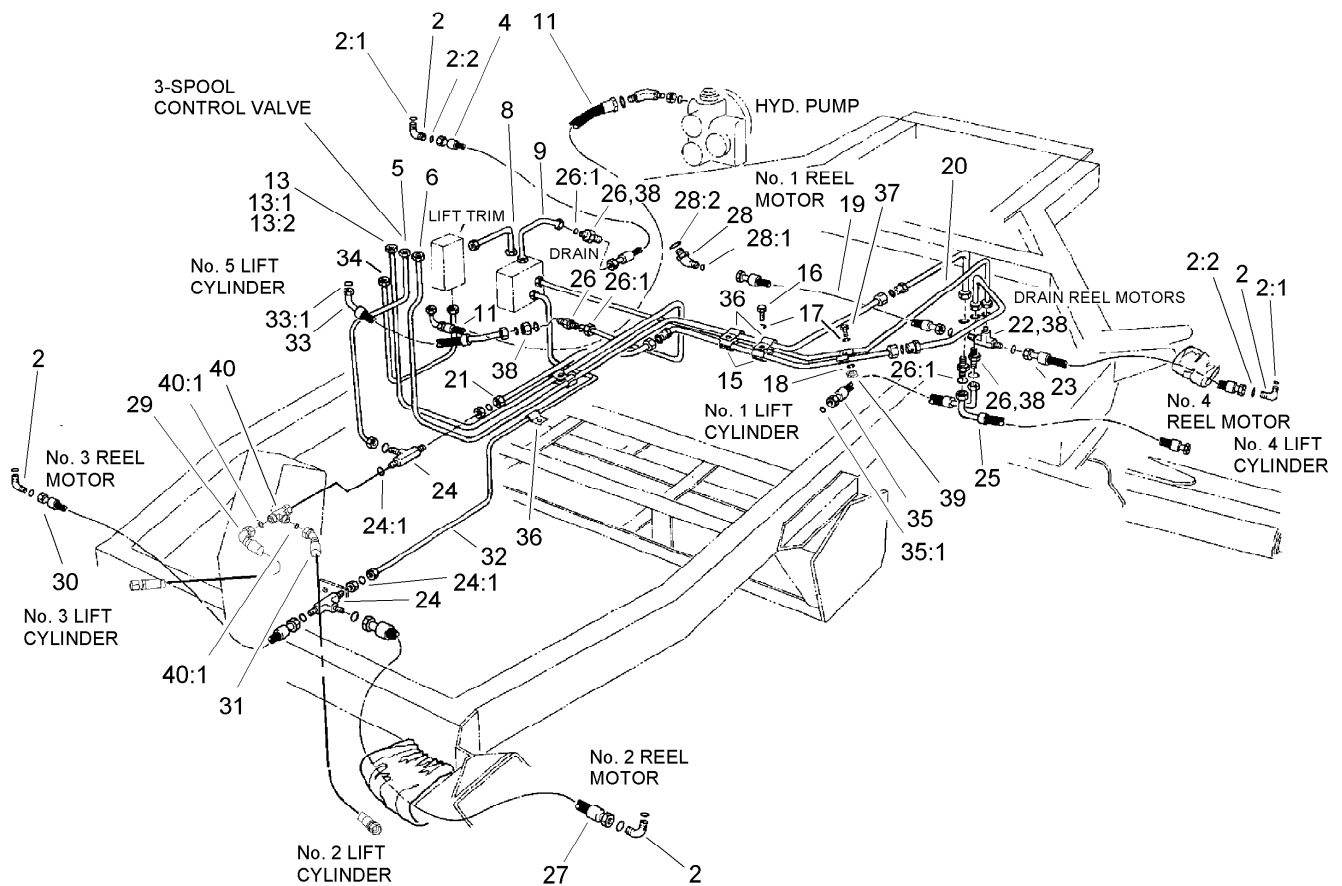
Pump Assembly No. 86-6000-01

Ref.	Part Number	Qty.	Description
1	59-7580	8	Nut
2	59-7590	8	Washer-Lock
3	59-7970	8	Stud
4	86-6010	1	Cover-Front
5	59-7990	2	Seal
6	59-8470	2	Retainer
7	86-6020	1	Section-Center
8	59-8500	1	Gear
9	59-8600	1	Gear
10	86-6030	1	Section-Port, Rear
11	59-8540	1	Coupling
12	86-6040	1	O-Ring
13	86-6050	1	Plug
14	59-8570	1	Seal
15	59-8580	1	Ring-Retaining
16	59-8590	1	Seal
21	86-6070	2	Plate-Rear
22	86-6080	2	O-Ring



Hydraulic Circuit - Steering and Traction Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	58-5860	2	Hose ASM	28	74-2820	1	Tube ASM
2	75-8200	1	Hose-Filter / Cooler	31	340-70	6	Nut-Lock
3	92-9202	2	Tube-Traction	32	74-2780	1	Tube ASM
3:1	237-58	1	O-Ring	33	58-5720	1	Hose ASM
4	33113-025	5	Screw-HH	34	58-5870	1	Hose ASM
5	43-5930	5	Washer-Lock, Spring	35	74-2810	1	Tube ASM
6	33093-00	7	Washer-Flat	36	74-2790	1	Tube ASM
7	75-8210	1	Hose-Manifold / Cooler	43	340-65	2	O-Ring
8	60-1900	1	Tube	48	58-4710	1	Tube-Steel
9	58-3880	4	Clamp-Double	49	48-7890	2	Nut-Hex
11	98-7415	1	Hose-HYD	50	237-30	1	O-Ring
13	340-69	2	Elbow-Bulkhead, 45 DEG	54	340-71	1	Fitting-Straight, Bulkhead
13:1	237-22	2	O-Ring	54:1	237-22	2	O-Ring
15	92-5694	1	Hose-Hydraulic	55	105-3333	1	HYD Tube Kit
16	98-7414	1	Hose-HYD	55:1	105-3318	1	Tube-HYD, LH Front Steering
18	2412-92	2	Clamp-Hose	55:2	105-3319	1	Tube-HYD, LH Rear Steering
19	60-1250	1	Hose-Drain	55:2:1	237-22	1	O-Ring
20	340-23	1	Cross-Union	55:3	105-3320	1	Tube-HYD, RH Front Steering
20:1	237-22	4	O-Ring	55:3:1	237-22	1	O-Ring
24	60-1360	1	Clamp-Single	55:4	105-3321	1	Tube-HYD, RH Rear Steering
25	58-4790	1	Tube-Steel				
26	340-68	1	Fitting-Tee, Bulkhead				
26:1	237-22	3	O-Ring				
27	58-4860	1	Tube-Steel				

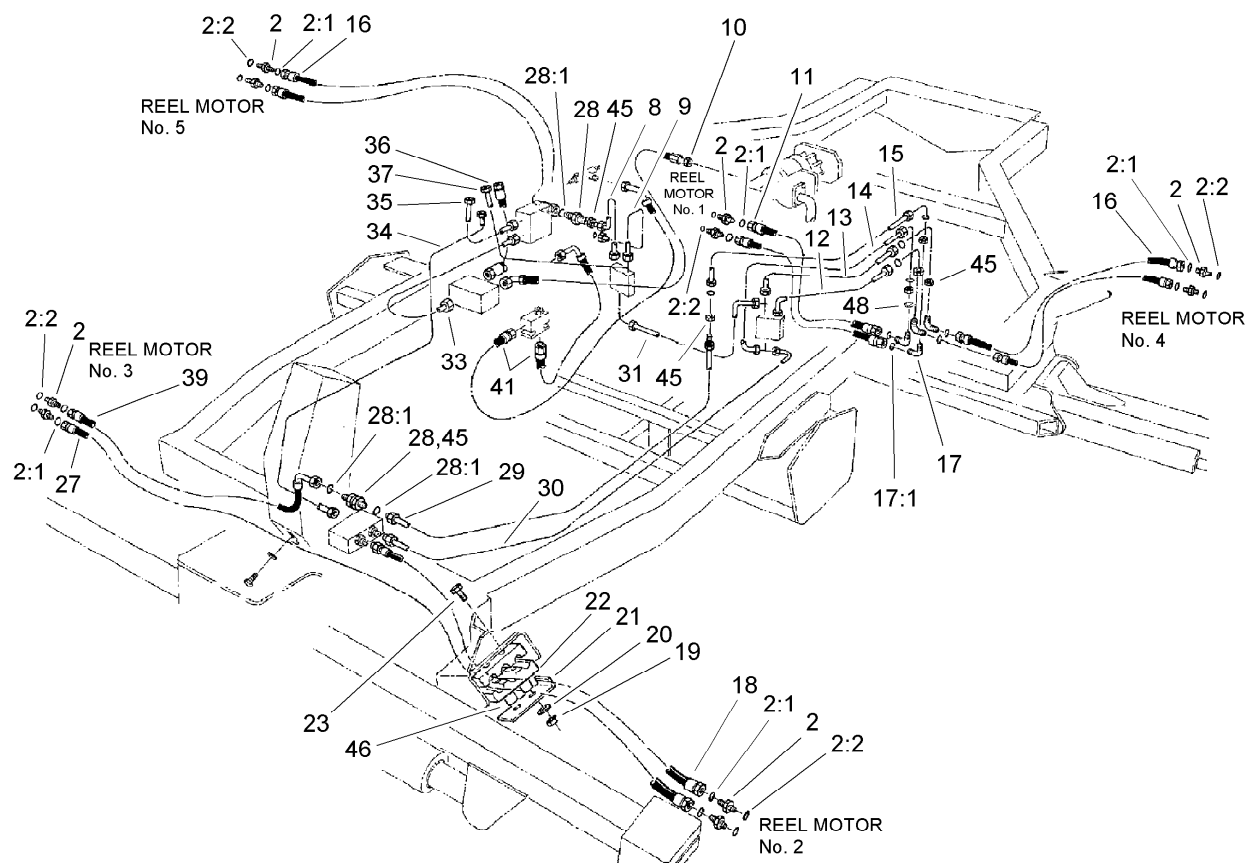


Hydraulic Circuit - Lift Arm Assembly

Ref.	Part Number	Qty.	Description
2	340-77	4	Fitting-Elbow, 90 DEG
2:1	237-22	1	O-Ring
2:2	237-42	1	O-Ring
4	98-7413	1	Hose ASM
5	58-4750	1	Tube-Steel
6	93-1404	1	Tube-Steel
8	63-4680	1	90 DEG Tube ASM
9	58-4780	1	Tube-Steel
11	58-5710	1	Hose ASM
13	68-6370	1	HYD Tube Kit
13:1	68-6380	1	Tube ASM
13:2	68-6390	1	Tube ASM
15	58-3880	5	Clamp-Double
16	33113-050	2	Screw-HH
17	43-5930	3	Washer-Lock, Spring
18	33093-00	8	Washer-Flat
19	98-7408	1	Hose ASM
20	58-4850	1	Tube-Steel
21	68-6270	1	HYD Tube Kit
21:1	68-6280	1	Tube ASM ●
21:2	68-6290	1	Tube ASM ●
21:3	68-6300	1	Tube ASM ●
22	60-2180	1	Adaptor
23	98-7406	1	Hose ASM

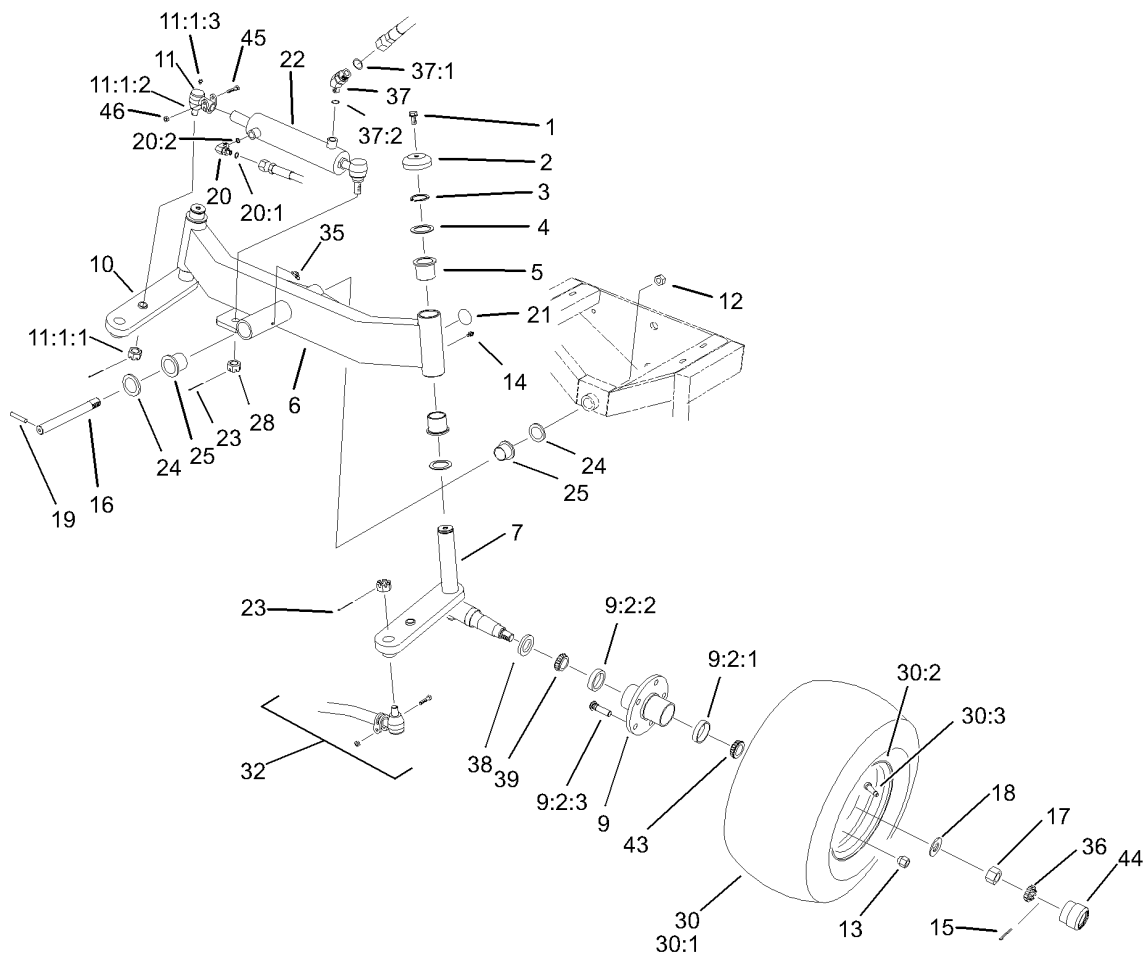
Ref.	Part Number	Qty.	Description
24	340-68	2	Fitting-Tee, Bulkhead
24:1	237-22	3	O-Ring
25	98-7411	1	HYD Hose ASM
26	340-71	4	Fitting-Straight, Bulkhead
26:1	237-22	2	O-Ring
27	98-7410	1	Hose ASM
28	340-87	1	Fitting-Elbow, 45 DEG
28:1	237-22	1	O-Ring
28:2	237-42	1	O-Ring
29	105-9280	1	Hose ASM
30	98-7407	1	Hose ASM
31	106-9204	1	Hose ASM
32	58-4880	1	Tube-Steel
33	98-7412	1	Hose ASM
33:1	237-22	1	O-Ring
34	58-4870	1	Tube-Steel
35	98-7405	1	Hose ASM
35:1	237-22	1	O-Ring
36	60-1360	3	Clamp-Single
37	33113-025	5	Screw-HH
38	340-70	7	Nut-Lock
39	48-7890	3	Nut-Hex
40	340-115	1	Fitting-Tee
40:1	237-22	2	O-Ring

● Not illustrated



Hydraulic Circuit - Cutting Unit Assembly

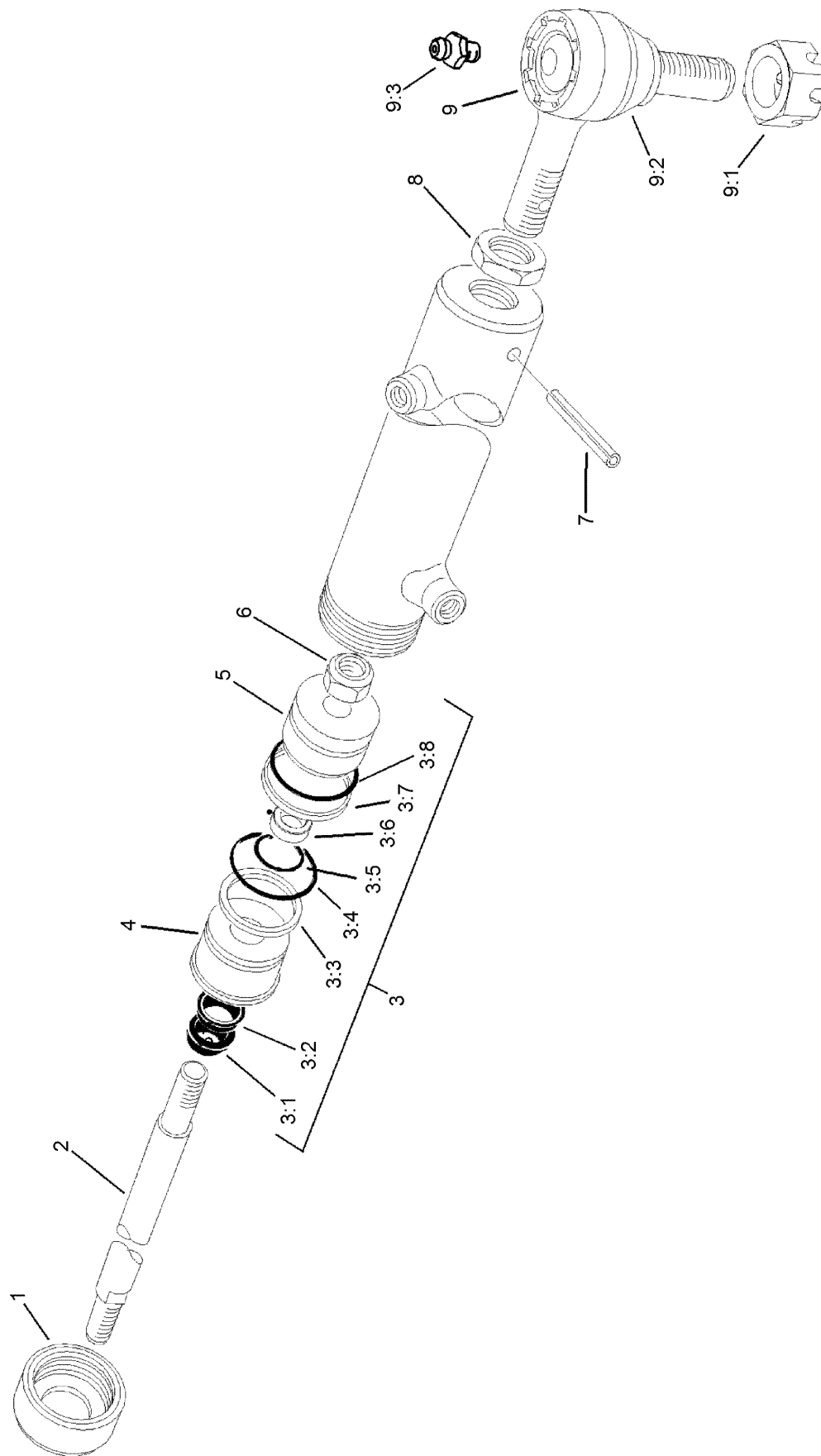
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
2	340-8	10	Fitting-Straight	23	321-14	4	Screw-HH
2:1	237-65	1	O-Ring	27	98-7401	1	Hose ASM
2:2	237-81	1	O-Ring	28	340-76	3	Fitting-Bulkhead Union, Straight
8	58-4960	1	Tube-Steel	28:1	237-65	2	O-Ring
9	58-4970	1	Tube-Steel	29	58-4990	1	Tube-Steel
10	58-5730	1	Hose ASM	30	58-5070	1	Tube-Steel
11	98-7404	2	Hose ASM	31	58-4950	1	Tube-Steel
12	58-5060	1	Tube-Steel	33	58-5050	1	Tube-Steel
13	58-5000	1	Tube-Steel	34	58-5030	1	Tube-Steel
14	58-5020	1	Tube-Steel	35	58-4980	1	Tube-Steel
15	58-5040	1	Tube-Steel	36	60-3340	1	Hose ASM
16	98-7403	4	Hose ASM	37	63-4710	1	Tube ASM
17	340-72	4	Fitting-Bulkhead, 90 DEG	39	98-7402	1	Hose ASM
17:1	237-65	2	O-Ring	41	60-1250	2	Hose-Drain
18	98-7400	1	Hose ASM	45	340-74	8	Nut-Lock, Bulkhead
19	3296-8	4	Nut-Hex	46	74-2730	4	Tube
20	3256-16	4	Washer-Flat	48	3254-21	2	Washer-Lock/Int
21	74-2750-03	2	Retainer				
22	74-2710	4	Clamp-Hose				



Rear Axle Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	3234-12	2	Screw-HHF	20:1	237-22	1	O-Ring
2	69-8890	2	Cap-Spindle	20:2	237-78	1	O-Ring
3	32151-10	2	Ring-Retaining	21	58-6520	2	Decal-Grease
4	256-304	4	Washer-Thrust	22	77-4800	1	Cylinder-HYD
5	69-6470	4	Bushing-Caster	23	3272-12	4	Pin-Cotter
6	82-9850-03	1	Axle-Rear	24	48-6660	2	Washer
7	93-0311-03	1	Spindle-Wheel, LH	25	48-6640	2	Bearing
9	69-2960-03	2	Hub ASM	28	32136-13	2	Nut-SHH
9:2:1	254-107	1	Cup-Bearing, Tapered	30	69-9870	2	Wide Wheel And 6-Ply Tire ASM
9:2:2	254-72	1	Bearing-Cup, Tapered	30:1	69-9880	1	Tire (23X10.5-12) 6-Ply
9:2:3	69-2990	5	Stud-Wheel	30:2	217-116	1	Wheel
10	93-0310-03	1	Spindle-Wheel, RH	30:3	232-27	1	Stem-Valve
11	106-6895-03	1	Ball Joint ASM	32	82-9260-03	1	Tie Rod ASM
11:1:1	32136-13	1	Nut-SHH	35	302-11	1	Fitting-Lube, 45 DEG
11:1:2	106-6896	1	Seal	36	93-0307	2	Nut-Lock, Retainer
11:1:3	302-5	1	Fitting-Grease	37	340-54	1	Elbow-45 DEG
12	3296-49	1	Nut-Lock, NI	37:1	237-22	1	O-Ring
13	23-7270	10	Nut-Lug	37:2	237-78	1	O-Ring
14	302-5	2	Fitting-Grease	38	69-2980	2	Seal
15	3272-13	2	Pin-Cotter	39	254-106	2	Cone-Bearing, Tapered
16	82-9210	1	Shaft-Pivot	43	254-92	2	Cone-Bearing, Outer
17	3220-7	2	Nut-Jam	44	69-2970	2	Cap-Hub
18	93-0309	2	Washer-Tab	45	3210-7	1	Screw-HH
19	60-3670	1	Pin	46	32152-5	1	Nut-Hex
20	340-97	1	Fitting-Elbow, 90 DEG				

Hydraulic Cylinder Assembly No. 77-4800

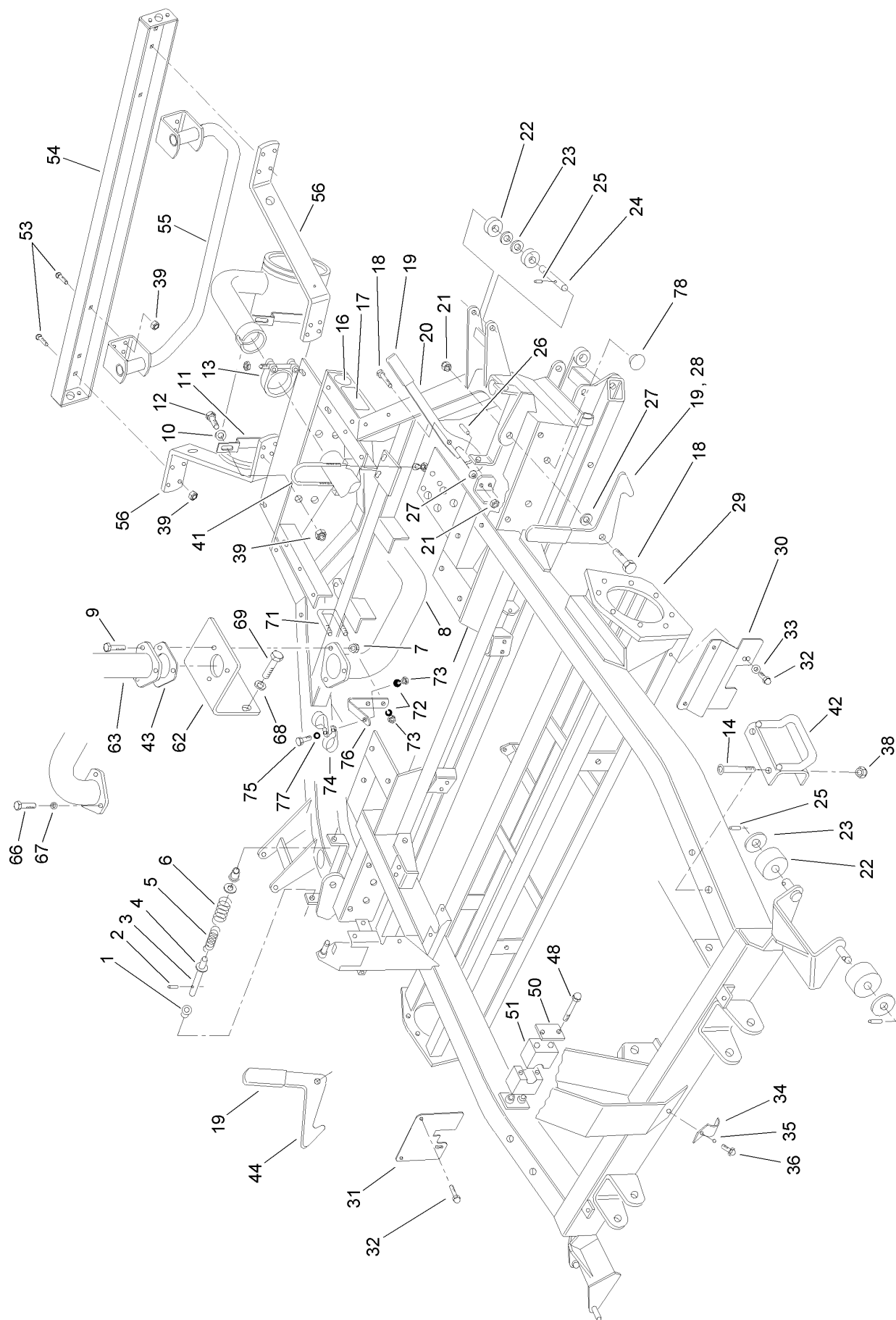


Hydraulic Cylinder Assembly No. 77-4800 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	82-5800	1	Cap ●	3:8		1	Seal-Dust ●
2		1	Rod ●	4		1	Head ●
3		1	Seal Kit	5		1	Piston ●
3:1		1	Wiper-Rod ●	6		1	Nut ●
3:2		1	U-Cup ●	7	32121-44	1	Pin-Roll
3:3		1	Washer-Backup ●	8	82-5740	1	Nut-Jam
3:4		1	Seal-Dust ●	9	82-5730	1	Tie Rod End ASM
3:5		1	Seal-Dust ●	9:1	105-7941	1	Nut-Hex, Slotted
3:6		1	Spacer ●	9:2	105-7835	1	Seal
3:7		1	Servon ●	9:3	302-5	1	Fitting-Grease

● Not serviced separately

Frame and Muffler Assembly

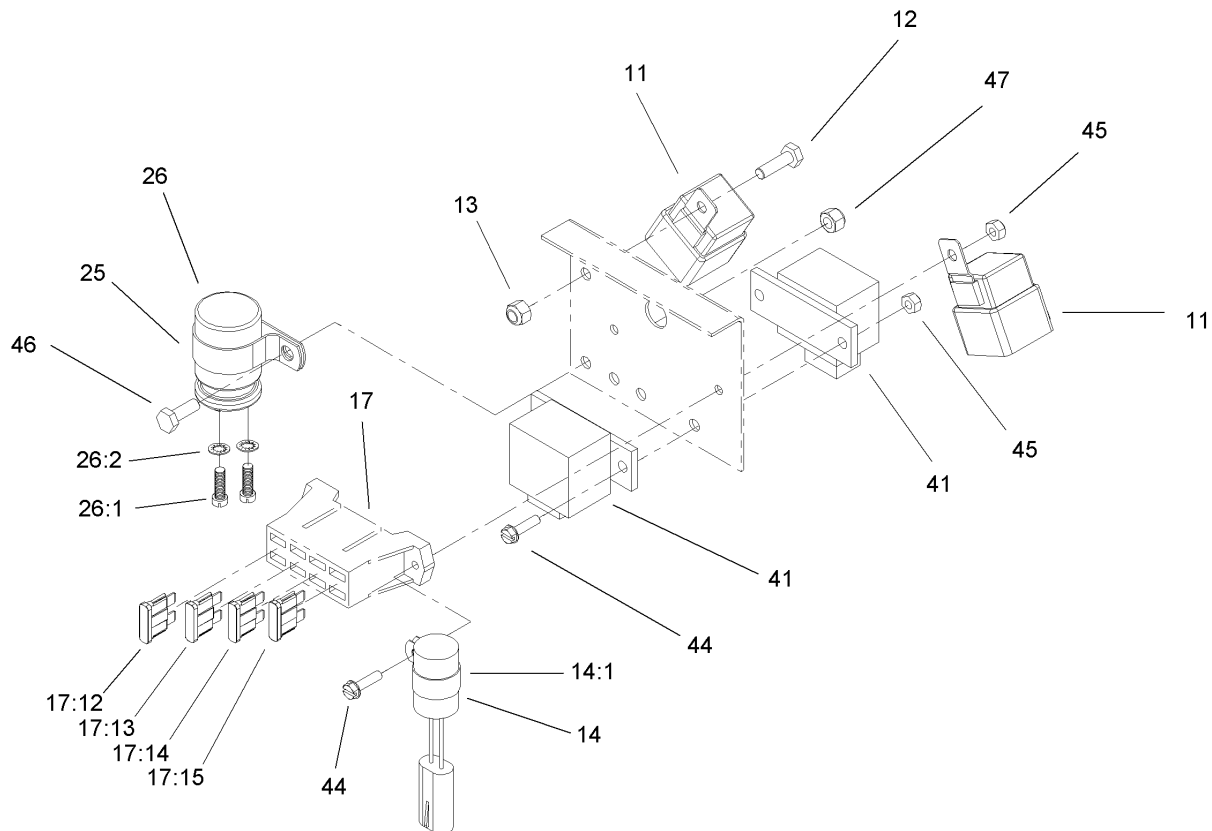
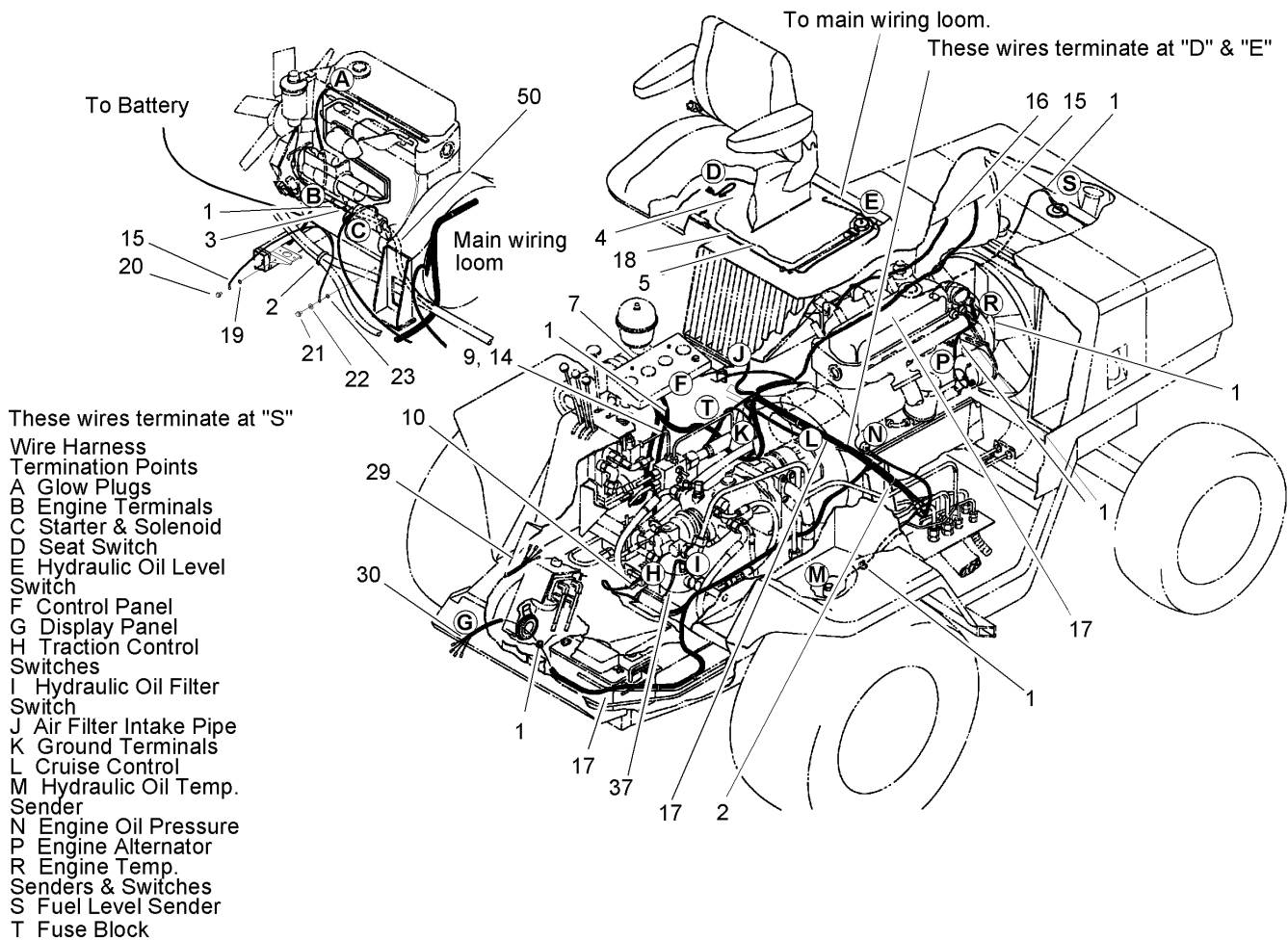


Frame and Muffler Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	58-2800	4	Bushing
2	60-3720	2	Pin-Roll
3	58-2810	2	Rod
4	3256-7	4	Washer-Flat
5	48-6780	2	Spring-Compression
6	60-1240	2	Spring
7	3296-29	3	Nut-Lock, NI
8	98-1230-03	1	Tube-Lower
9	322-7	3	Screw-HH
10	3256-24	4	Washer-Flat
11	74-2850	1	Silencer ASM
12	323-9	4	Screw-HH
13	2412-132	1	Clamp
14	3289-25	4	Screw-SFH
16	58-6520	3	Decal-Grease
17	93-9405	2	Decal-Pressure, Air
18	33116-030	3	Screw-HH
19	48-7081	3	Grip-Plastic
20	86-6570-03	1	Latch
21	51-2070	3	Nut
22	82-4910	8	Roller
23	51-2060	8	Washer
24	60-0160	2	Pin
25	60-2110	8	Pin
26	48-8830	1	Pin-Expansion
27	48-8850	3	Spring-Disc
28	86-6590-03	1	Latch-LH
29	94-8268-01	1	Frame ASM
30	60-4190-03	1	Shield-Grass, LH
31	60-4200-03	1	Shield-Grass, RH
32	48-6900	6	Screw

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
33	33093-00	2	Washer-Flat
34	60-2080	1	Clamp-Hose
35	42-9850	1	Washer-Lock, Spring
36	48-7680	1	Screw-HH
38	3296-23	4	Nut-Lock, NI
39	3296-39	16	Nut-Lock, NI
41	76-3560	1	Clamp
42	92-4768-03	2	Tiedown ASM
43	98-7817	3	Gasket-Muffler
44	86-6580-03	1	Latch-RH
48	321-9	2	Screw-HH
50	82-2980	1	Plate-Cover
51	82-2990	2	Clamp-Half
53	3231-25	12	Bolt-CARR
54	92-6052-03	1	Bumper-Rear
55	92-6050-03	1	Guard ASM
56	92-6051-03	2	Bracket-Bumper
62	98-1246-03	1	Bracket-Exhaust
63	98-1231-03	1	Tube-Upper
66	33114-025	3	Screw-HH
67	42-9850	3	Washer-Lock, Spring
68	43-5940	2	Washer-Lock, Spring
69	42-9250	2	Bolt
71	92-5692	1	U-Bolt
72	3253-4	3	Washer-Lock
73	3217-6	3	Nut-Hex
74	2412-107	2	Clamp-R
75	322-45	1	Screw-HH
76	99-8741-01	1	Bracket-Support, Hose
77	3256-23	1	Washer-Plain
78	92-6059	12	Plug-Button

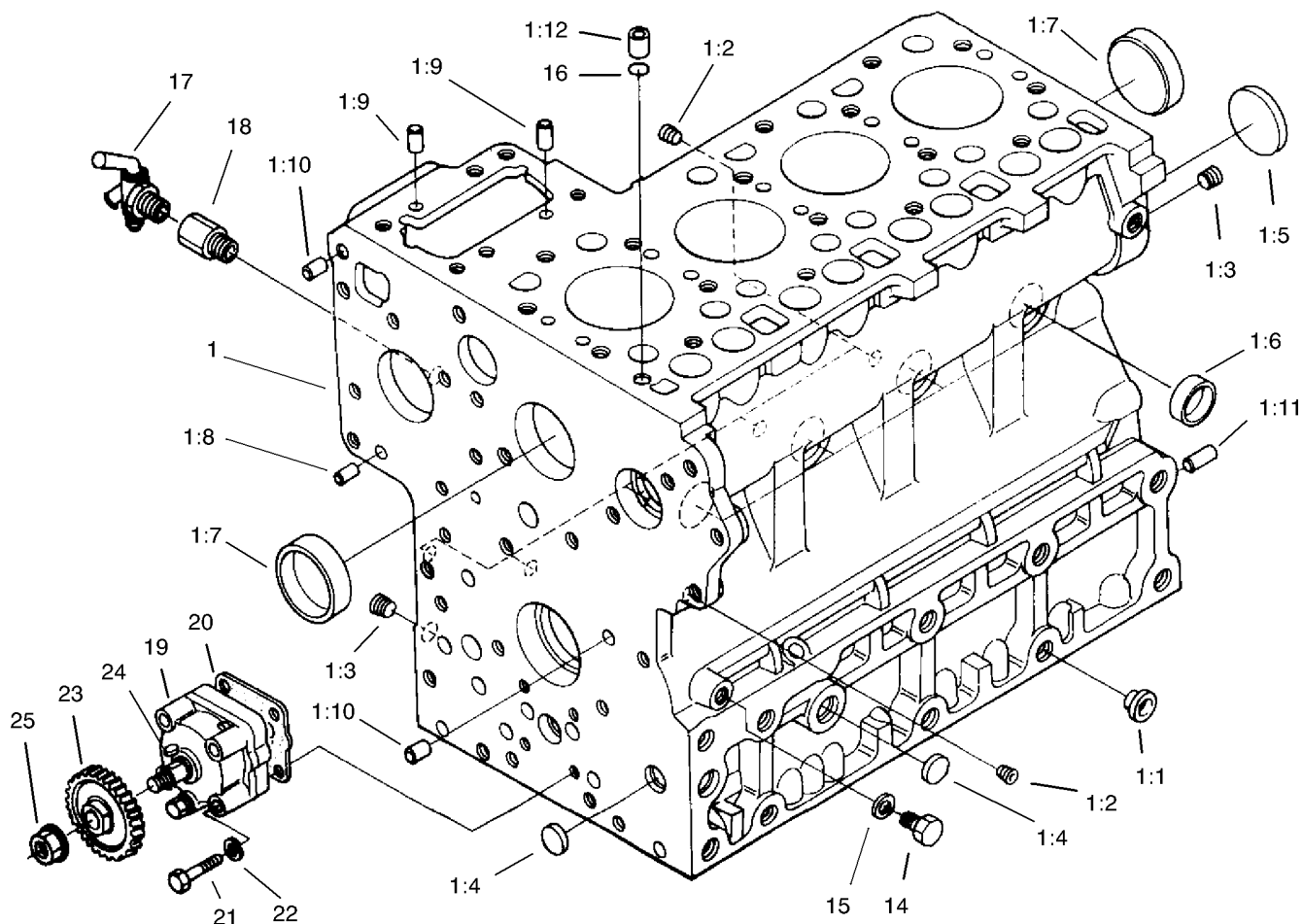
Electrical System Diagram



Electrical System Diagram (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	3290-378	29	Tie-Cable	17:15	114241	1	Fuse-Blade, 7.5 Amp
2	3290-379	5	Tie-Cable	18	108-6052	1	Harness-Wire, Seat
3	2412-109	1	Clip-J	19	3255-8	1	Washer-Lock
4	237-100	1	Grommet	20	32144-14	1	Screw-HWHTF
5	104-5232	4	Clip-Wire	21	43-0090	1	Screw-HH
7	105-9279	1	Harness-Wire, Control Panel	22	42-9600	1	Washer-Lock
9	82-9790	1	Harness	23	3255-9	1	Washer-Lock
10	104-5205	1	Harness-Wire, Micro Switch	25	2412-74	1	R-Clamp
11	99-7430	2	Relay-Mini	26	37-2690	1	Capacitor
12	321-5	1	Screw-HH	26:1	3252-18	2	Screw
13	3296-42	1	Nut-Lock, NI	26:2	3254-1	2	Washer-Lock, Int
14	83-2280	1	Timer-Delay	29	82-9230	2	Harness
14:1	98-4604	1	R-Clamp	30	98-3819	1	Harness-Wire, Light Cluster
15	106-7053	1	Cable-Battery, Negative	37	86-5990	1	Harness-Filter
16	104-0086	1	Cable-Battery, Positive	41	66-8800	2	Relay
17	108-1442	1	Harness-Wire	44	32105-13	4	Screw-HWH
17:11	100-4918	1	Diode ●	45	3296-2	4	Nut-Lock, NI
17:12	99-6124	1	Fuse-40 Amp	46	321-4	1	Screw-HH
17:13	109101	1	Fuse-Blade, 20 Amp	47	3296-42	1	Nut-Lock, NI
17:14	110928	1	Fuse-Blade, 5 Amp	50	99-3441	1	Harness-Wire, Fusible Link

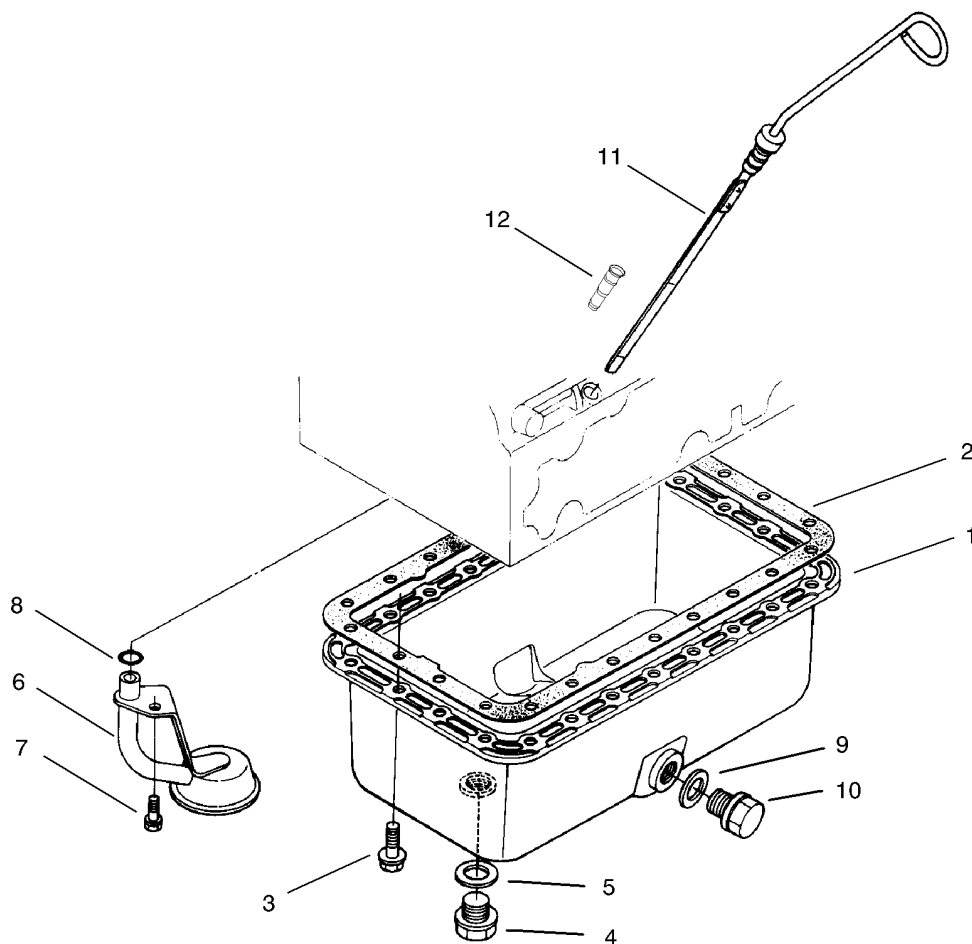
● Not illustrated



Crankcase Assembly

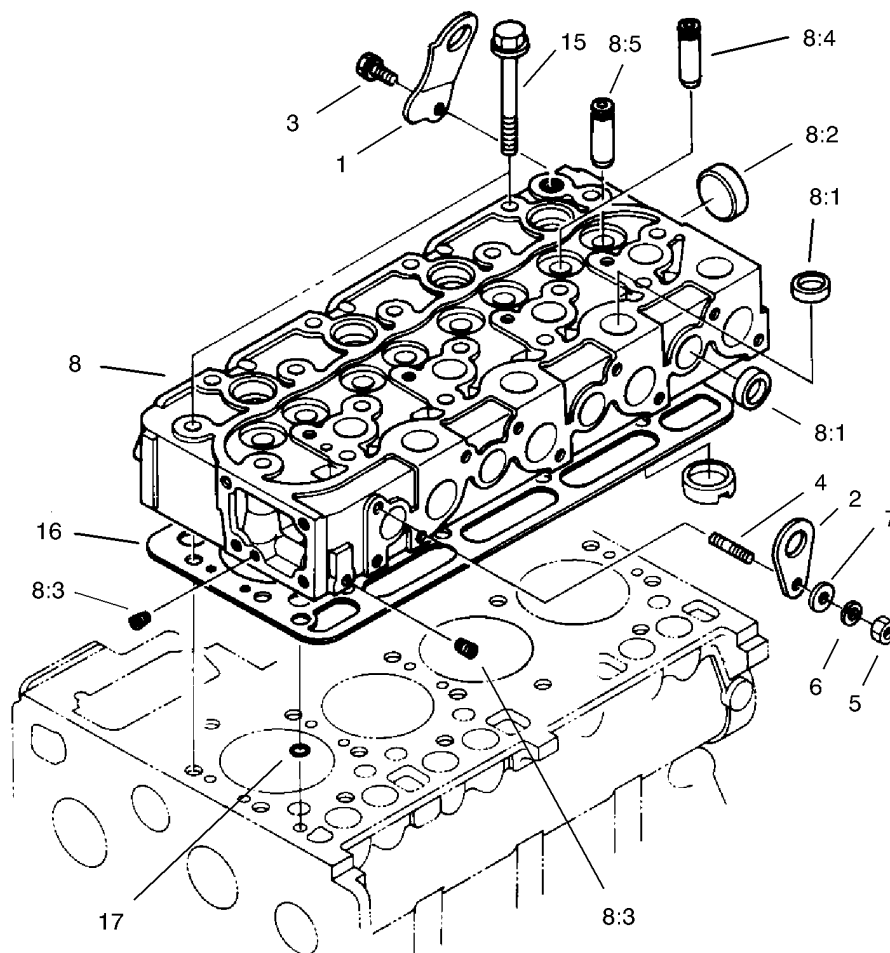
Ref.	Part Number	Qty.	Description
1	98-7485	1	Crankshaft-Complete
1:1	98-7486	2	Plug
1:2	98-7487	6	Plug
1:3	98-7488	2	Plug
1:4	98-7489	3	Plug
1:5	98-7490	1	Plug
1:6	98-7500	6	Cap-Sealing
1:7	98-7501	2	Cap-Sealing
1:8	98-7502	2	Pin-Straight
1:9	98-7503	2	Pin-Straight
1:10	98-7504	2	Pin-Straight
1:11	98-7505	1	Pin-Straight
1:12	98-7506	1	Pin-Pipe

Ref.	Part Number	Qty.	Description
14	98-7507	1	Plug
15	98-7528	1	O Ring-Copper
16	98-7509	1	O-Ring
17	98-7510	1	Cock-Drain
18	98-7511	1	Joint-Cock, Drain
19	98-7512	1	Oil Pump ASM
20	98-7513	1	Gasket-Pump, Oil
21	98-7514	4	Bolt
22	98-7515	4	Washer-Spring
23	98-7516	1	Gear-Drive, Oil Pump
24	98-7517	1	Key-Feather
25	98-7518	1	Nut-Flange



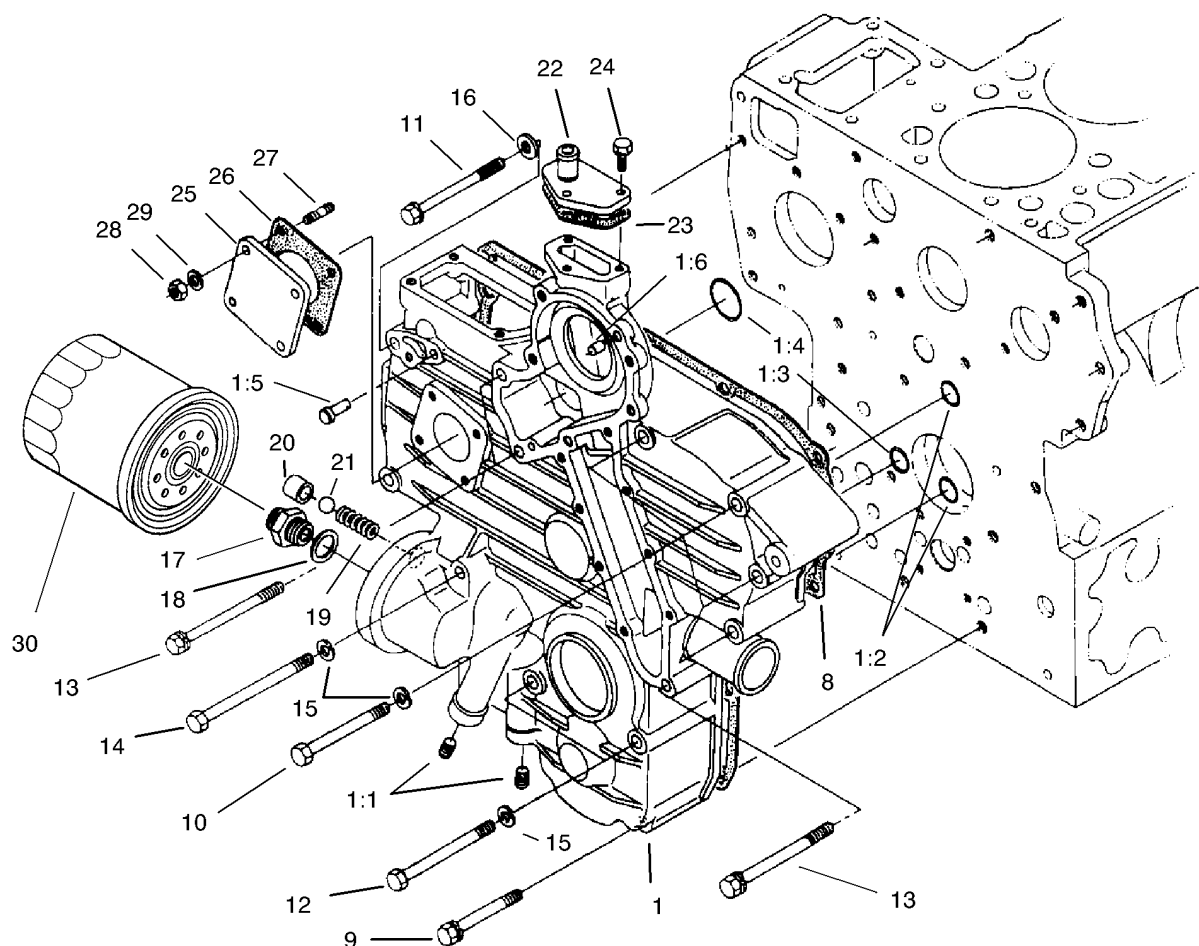
Oil Pan Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	98-7520	1	Pan-Oil
2	98-7521	1	Gasket
3	98-7522	24	Bolt-Flange
4	98-7523	1	Plug-Drain
5	98-7524	1	Gasket
6	98-7525	1	Filter-Oil
7	98-7526	1	Bolt
8	98-7527	1	O-Ring
9	98-7528	1	O Ring-Copper
10	98-7529	1	Plug-Drain
11	105-4579	1	Gauge-Oil
12	105-4580	1	Guide-Gauge, Oil



Cylinder Head Assembly

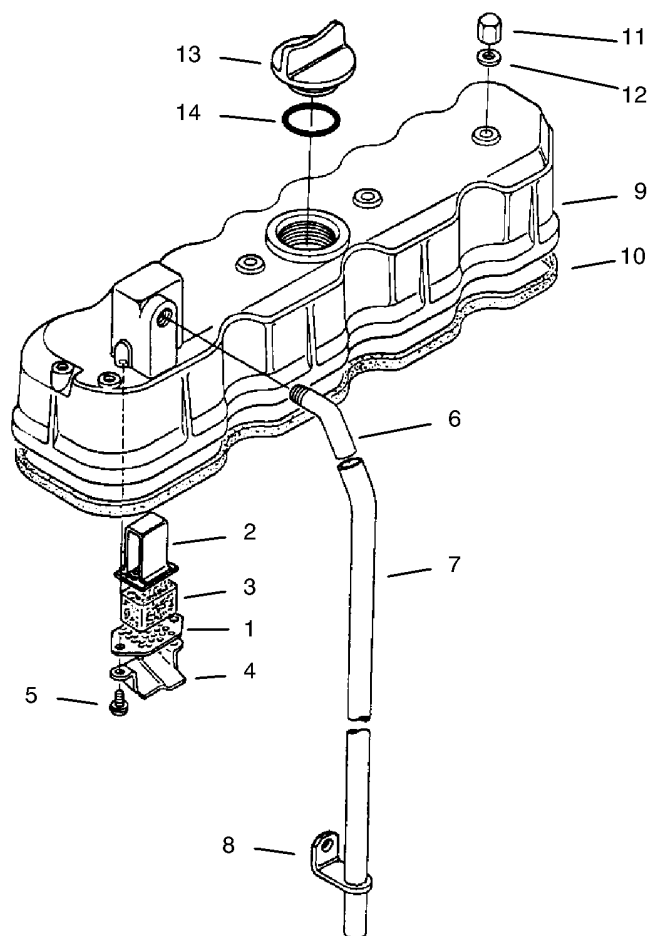
Ref.	Part Number	Qty.	Description
1	98-7530	1	Hook-Engine
2	98-7531	1	Hook-Engine
3	98-7526	1	Bolt
4	98-7533	1	*obs* Stud
5	98-7534	1	Nut
6	98-7535	1	Washer-Spring
7	98-7536	1	Washer-Plain
8	98-7537	1	Head-Cylinder, Complete
8:1	98-7538	12	Cap-Sealing
8:2	98-7539	1	Cap-Sealing
8:3	98-7540	2	Plug
8:4	98-7541	4	Guide-Valve, Intake
8:5	98-7542	4	Guide-Valve, Exhaust
15	98-7543	18	Bolt-Head, Cylinder
16	98-7544	1	Gasket-Head, Cylinder
17	98-7509	1	O-Ring



Gear Case Assembly

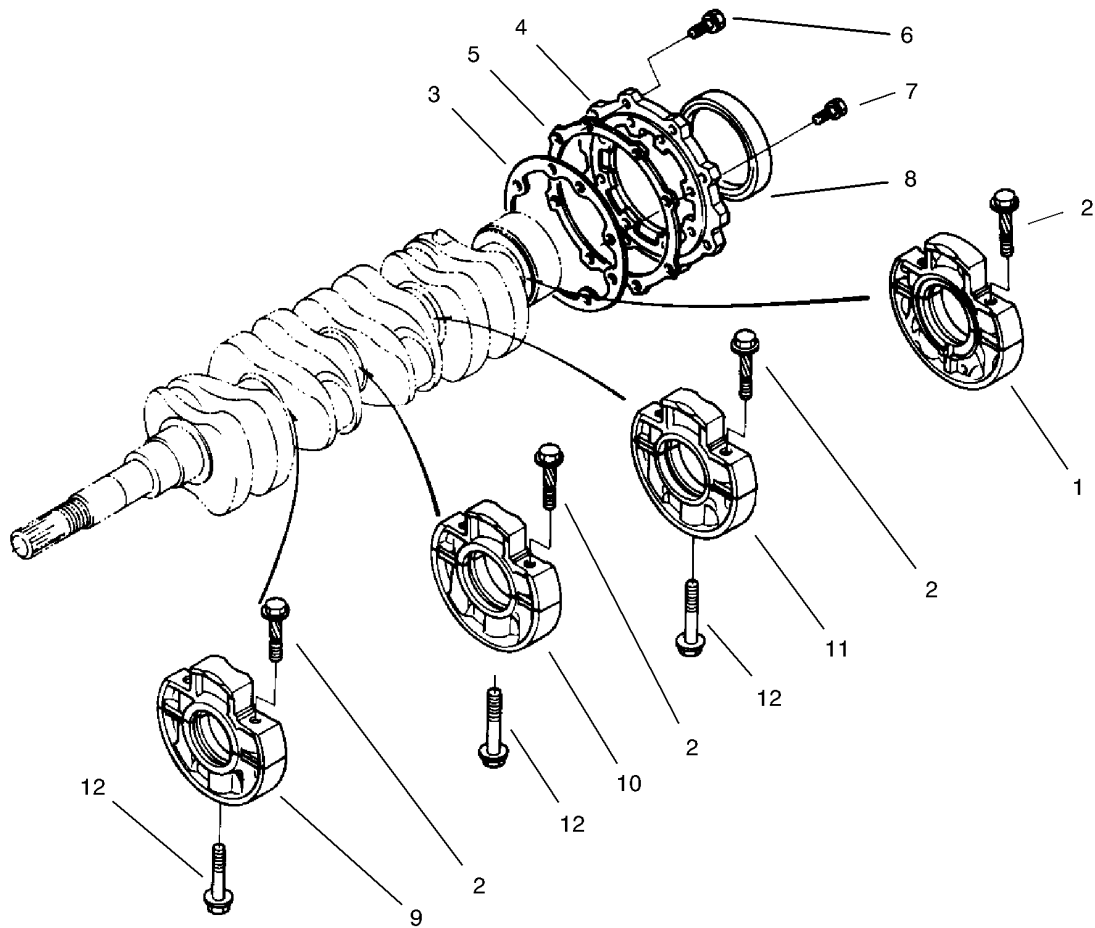
Ref.	Part Number	Qty.	Description
1	98-7545	1	Gear Case ASM
1:1	98-7546	2	Plug
1:2	98-7547	2	O-Ring
1:3	98-7548	1	O-Ring
1:4	98-7549	1	O-Ring
1:5	98-7550	1	Pin-Spring, Start
1:6	98-7504	2	Pin-Straight
8	98-7552	1	Packing-Case, Gear
9	98-7553	2	Bolt
10	98-7554	5	Bolt
11	98-7555	1	Bolt
12	98-7556	2	Bolt
13	98-7557	3	Bolt
14	98-7558	2	Bolt
15	98-7535	9	Washer-Spring

Ref.	Part Number	Qty.	Description
16	98-7536	1	Washer-Plain
17	98-7561	1	Joint-Pipe
18	98-7562	1	Washer-Plain
19	98-7563	1	Spring
20	98-7564	1	Seat-Valve
21	98-7565	1	Ball
22	98-7566	1	Flange-Return, Water
23	98-7567	1	Gasket
24	98-7568	1	Bolt
25	98-7569	1	Cover
26	98-7570	1	Gasket-Meter, Hour
27	98-7571	4	Stud
28	98-7572	4	Nut
29	98-7515	4	Washer-Spring
30	98-7431	1	Cartridge-Filter, Oil



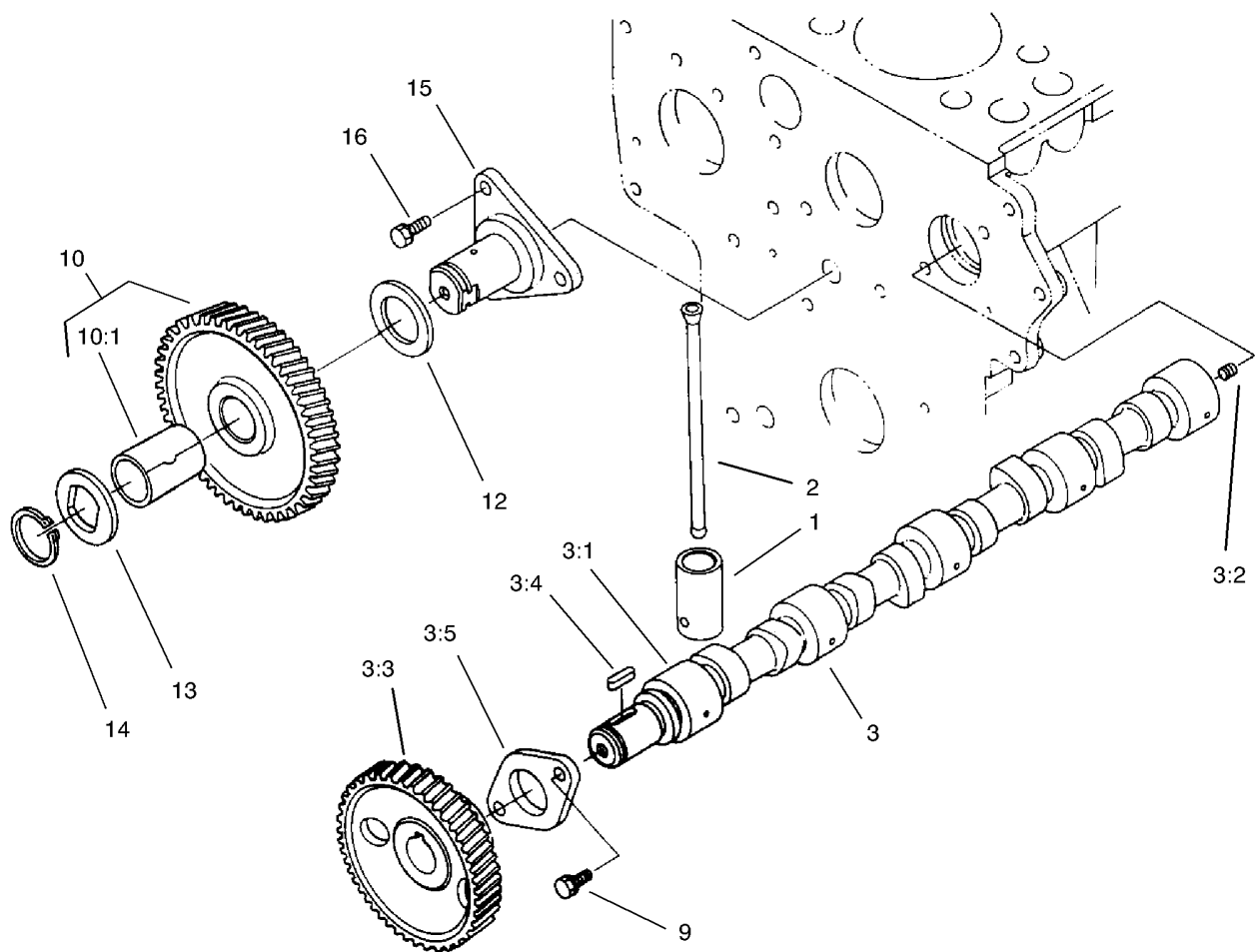
Valve Cover Assembly

Ref.	Part Number	Qty.	Description
1	98-7417	1	Plate-Element
2	98-7418	1	Plate-Element
3	98-7419	1	Element-Breather
4	98-7420	1	Shield-Breather, Oil
5	98-7421	2	Screw W/Washer
6	98-7422	1	Joint-Pipe, Breather
7	98-7423	1	Pipe-Breather
8	98-7424	1	Clamp-Pipe
9	98-7425	1	Cover-Head, Cylinder
10	98-7426	1	Gasket-Cover, Head
11	98-7427	4	Nut-Cap
12	98-7428	4	Gasket
13	98-7429	1	Plug-Filter, Oil
14	98-7430	1	O-Ring



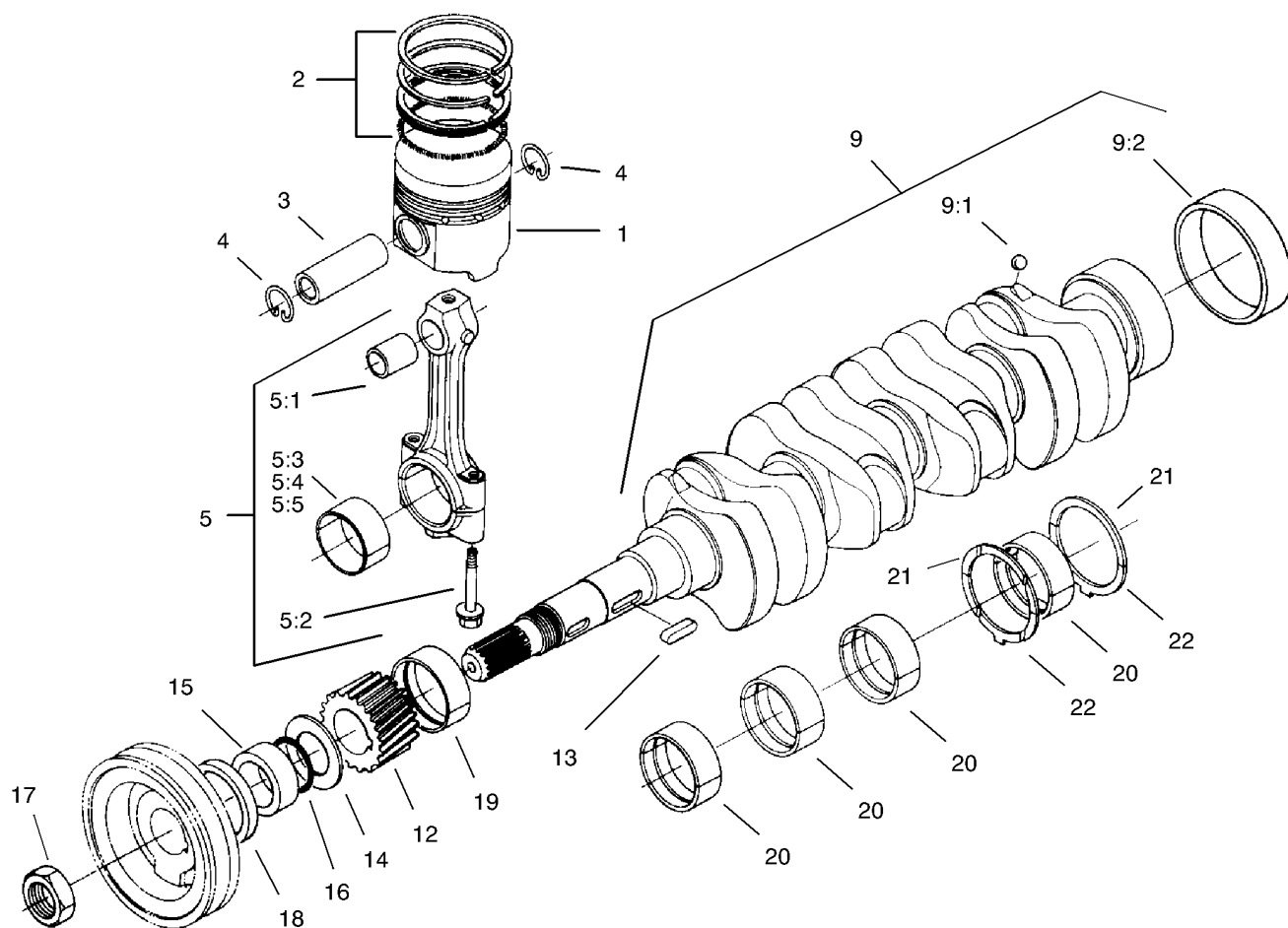
Main Bearing Case Assembly

Ref.	Part Number	Qty.	Description
1	98-7433	1	Main Bearing Case ASM
2	98-7434	8	Bolt-Case, Bearing
3	98-7435	1	Gasket-Case, Bearing
4	98-7436	1	Cover-Case, Bearing
5	98-7437	1	Gasket-Case Cover, Bearing
6	98-7438	8	Bolt
7	98-7439	8	Bolt
8	98-7440	1	Seal-Oil
9	98-7441	1	Main Bearing Case ASM
10	98-7442	1	Main Bearing Case ASM
11	98-7443	1	Main Bearing Case ASM
12	98-7444	3	Bolt-Case, Bearing



Camshaft Assembly

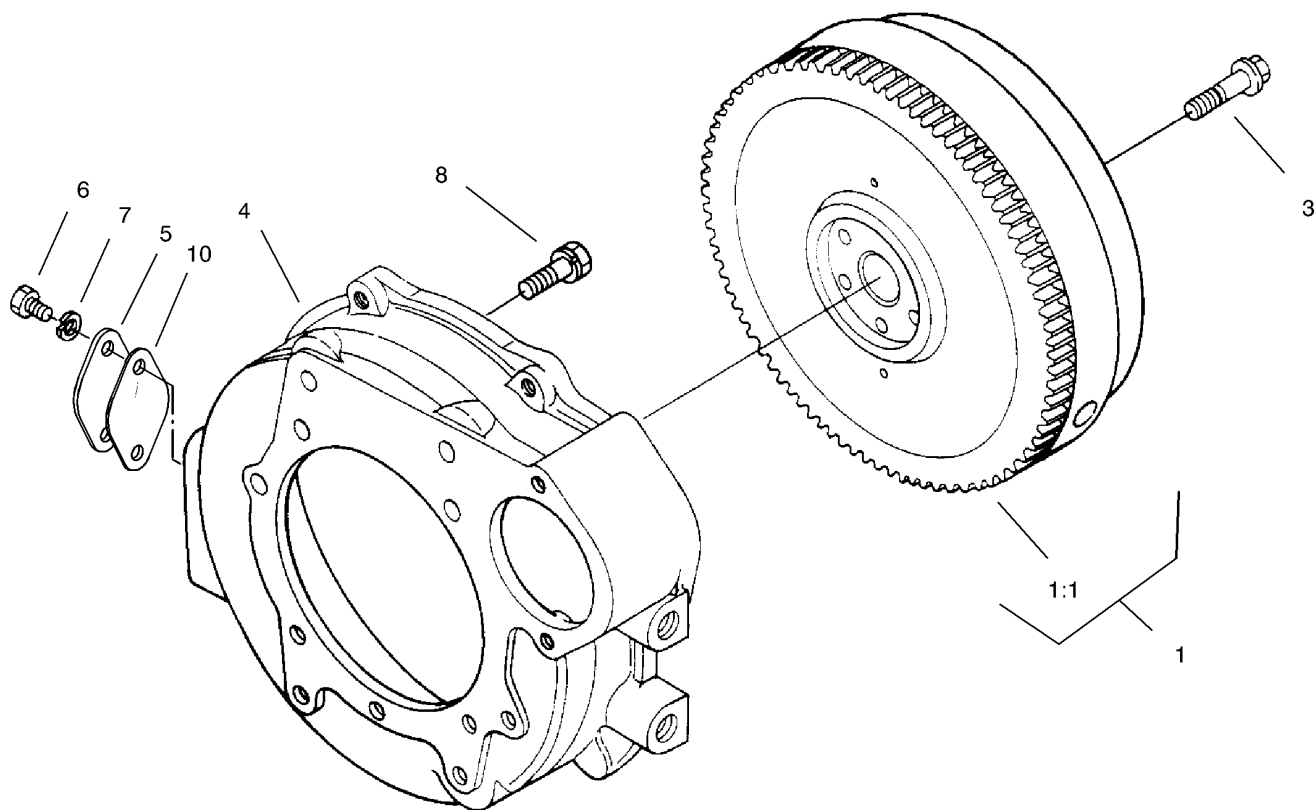
Ref.	Part Number	Qty.	Description
1	98-7445	8	Tappet
2	98-7446	8	Rod-Push
3	98-7447	1	Camshaft ASM
3:1	98-7448	1	Camshaft
3:2	98-7449	1	Screw-Set
3:3	98-7450	1	Gear-Camshaft
3:4	98-7451	1	Key-Feather
3:5	98-7452	1	Stopper-Camshaft
9	98-7453	2	Bolt
10	98-7454	1	Gear-Idler, Complete
10:1	98-7455	1	Bushing-Gear, Idler
12	98-7456	1	Collar
13	98-7457	1	Collar
14	98-7458	1	Clip-Cir., External
15	98-7459	1	Shaft-Gear, Idler
16	98-7453	3	Bolt



Piston and Crankshaft Assembly

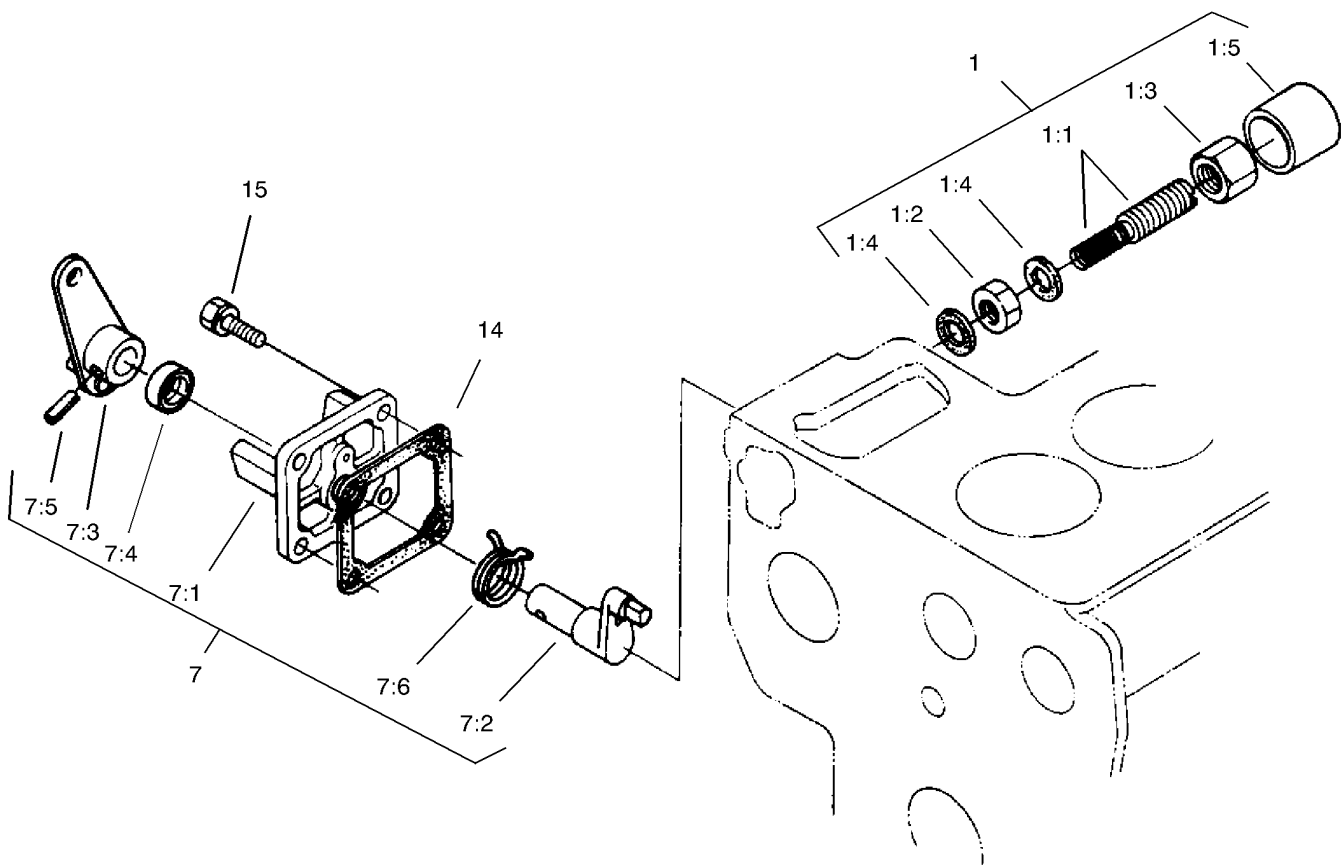
Ref.	Part Number	Qty.	Description
1	98-7460	4	Piston** Obs** See 115-4112
1	98-7461	4	Piston
2	98-7463	4	Piston Ring ASM
2	98-7462	4	Piston Ring ASM
3	98-7464	4	Pin-Piston
4	98-7465	8	Clip-Pin, Piston
5	98-7466	4	Connecting Rod ASM
5:1	98-7467	4	Bushing-Pin, Piston
5:2	98-7468	8	Bolt-Rod, Connecting
5:3	98-7469	4	Metal-Crankpin (STD)
5:4	98-7470	4	Metal-Crankpin (-0.20Mm)
5:5	98-7471	4	Metal-Crankpin (-0.40Mm)
9	98-7472	1	Crankshaft-Complete
9:1	98-7473	4	Ball
9:2	98-7474	1	Sleeve-Crankshaft
12	98-7475	1	Gear-Crankshaft
13	98-7451	1	Key-Feather

Ref.	Part Number	Qty.	Description
14	98-7476	1	Slinger-Oil
15	98-7477	1	Collar-Crankshaft
16	98-7478	1	O-Ring
17	98-7479	1	Nut-Crankshaft
18	98-7480	1	Seal-Oil
19	98-7481	1	Metal-Crankshaft (STD)
19	98-7482	1	Metal-Crankshaft (-0.20Mm)
19	98-7483	1	Metal-Crankshaft (-0.40Mm)
20	98-7484	1	Metal-Crankshaft (STD)
20	99-6862	1	Metal-Crankshaft (-0.20Mm)
20	99-6863	1	Metal-Crankshaft (-0.40Mm)
21	99-6864	2	Metal-Side (STD)
21	99-6865	2	Metal-Side, O/S (0.2Mm)
21	99-6866	2	Metal-Side, O/S (0.4Mm)
22	99-6869	2	Metal-Side, O/S (0.4Mm)
22	99-6868	2	Metal-Side, O/S (0.2Mm)
22	99-6867	2	Metal-Side (STD)



Flywheel Assembly

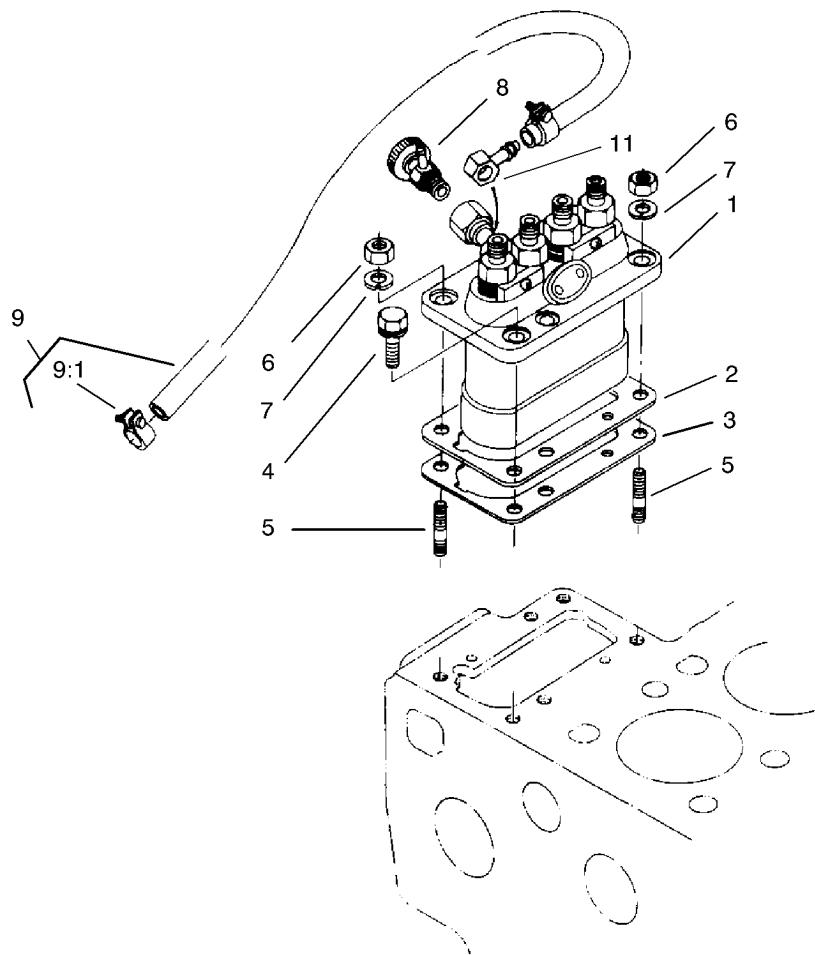
Ref.	Part Number	Qty.	Description
1	98-7532	1	Flywheel
1:1	98-7560	1	Gear-Ring
3	98-7573	6	Bolt-Flywheel
4	98-7559	1	Housing-Flywheel
5	98-7883	1	Cover
6	98-7884	2	Bolt
7	98-7535	2	Washer-Spring
8	98-7885	11	Bolt
10	98-7886	1	Gasket



Engine Stop Lever Assembly

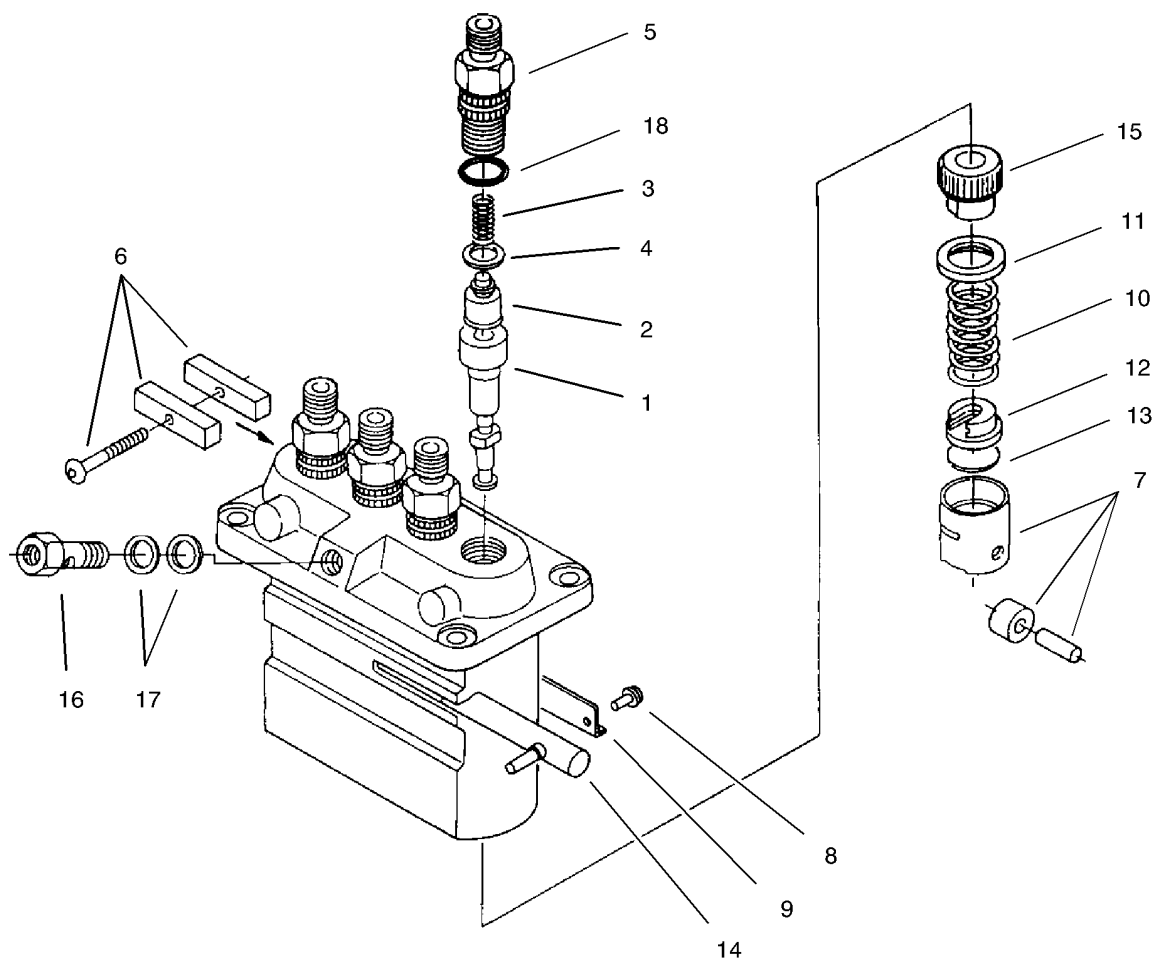
Ref.	Part Number	Qty.	Description
1	98-7591	1	Idle Appartus ASM
1:1	98-7592	1	Adjusting Bolt ASM
1:2	98-7593	1	Nut
1:3	98-7594	1	Nut-Cap
1:4	98-7428	2	Gasket
1:5	98-7596	1	Cap
7	98-7597	1	Engine Stop Lever ASM
7:1	98-7598	1	Cover-Pump, Injection
7:2	98-7599	1	Shaft-Lever
7:3		1	Lever-Stop, Engine ●
7:4	98-7601	1	Seal-Oil
7:5	98-7602	1	Pin-Spring
7:6	98-7603	1	Spring-Return
14	98-7604	1	Gasket-Cover, Pump
15	98-7605	4	Bolt

● Not serviced separately



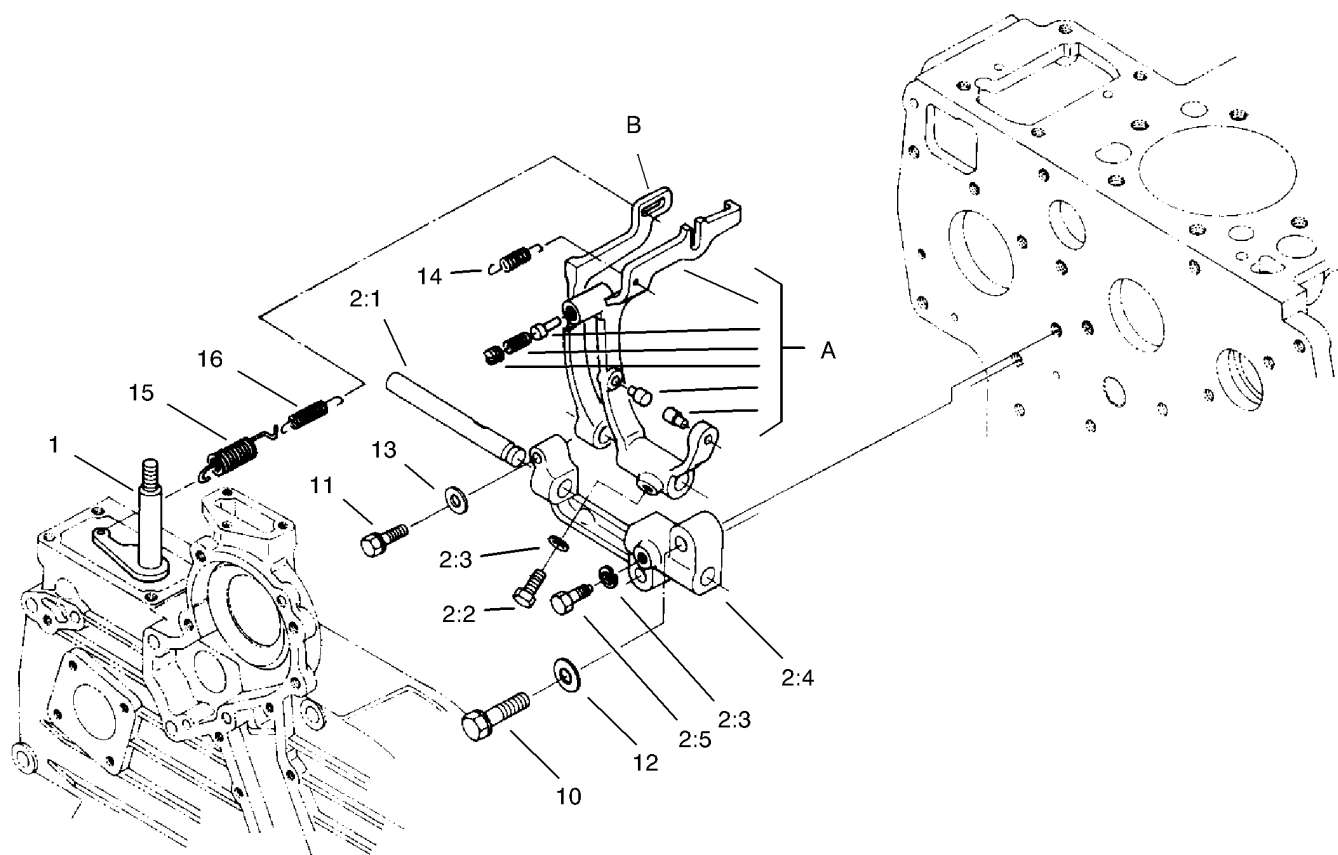
Injection Pump Assembly

Ref.	Part Number	Qty.	Description
1	98-7606	1	Injection Pump ASM
2	98-7608	1	Shim
2	98-7607	1	Shim-Pump, Injection (0.200Mm)
3	98-7609	1	Shim-Pump, Injection
4	98-7610	4	Bolt
5	98-7533	2	*obs* Stud
6	98-7534	2	Nut
7	98-7535	2	Washer-Spring
8	98-7614	1	Jet Start Cock ASM
9	98-7615	1	Fuel Pipe ASM
9:1	98-7616	2	Clip-Pipe
11	98-7617	1	Joint



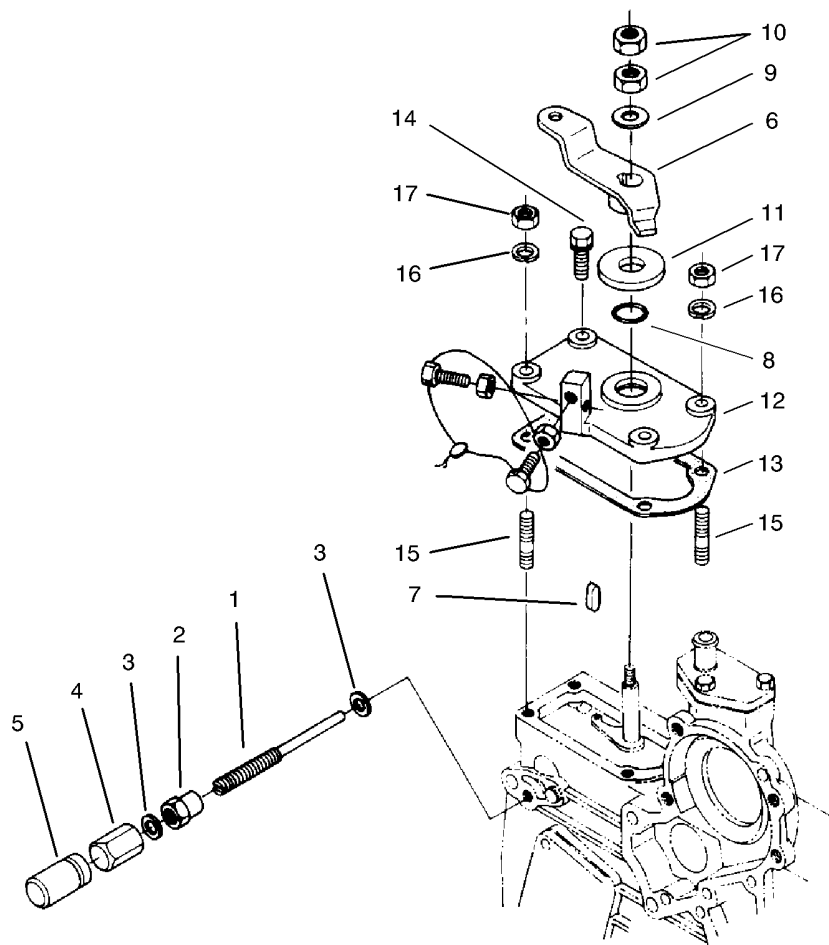
Injection Pump Assembly No. 98-7606

Ref.	Part Number	Qty.	Description
1	98-7619	4	Plunger-Pump
2	98-7620	4	Valve-Delivery
3	98-7621	4	Spring-Valve, Delivery
4	98-7622	4	Gasket-Valve, Delivery
5	98-7623	4	Holder-Valve, Delivery
6	98-7624	2	Lock Plate ASM
7	98-7625	4	Tappet ASM
8	98-7626	4	Pin-Guide, Tappet
9	98-7627	2	Plate
10	98-7628	4	Spring-Plunger
11	98-7629	4	Seat-Spring, Upper
12	98-7630	4	Seat-Spring, Lower
13	98-7631	4	Shim
14	98-7632	1	Rack-Control
15	98-7634	4	Sleeve-Control
16	98-7635	1	Screw
17	98-7636	2	Gasket
18	98-7637	4	O-Ring



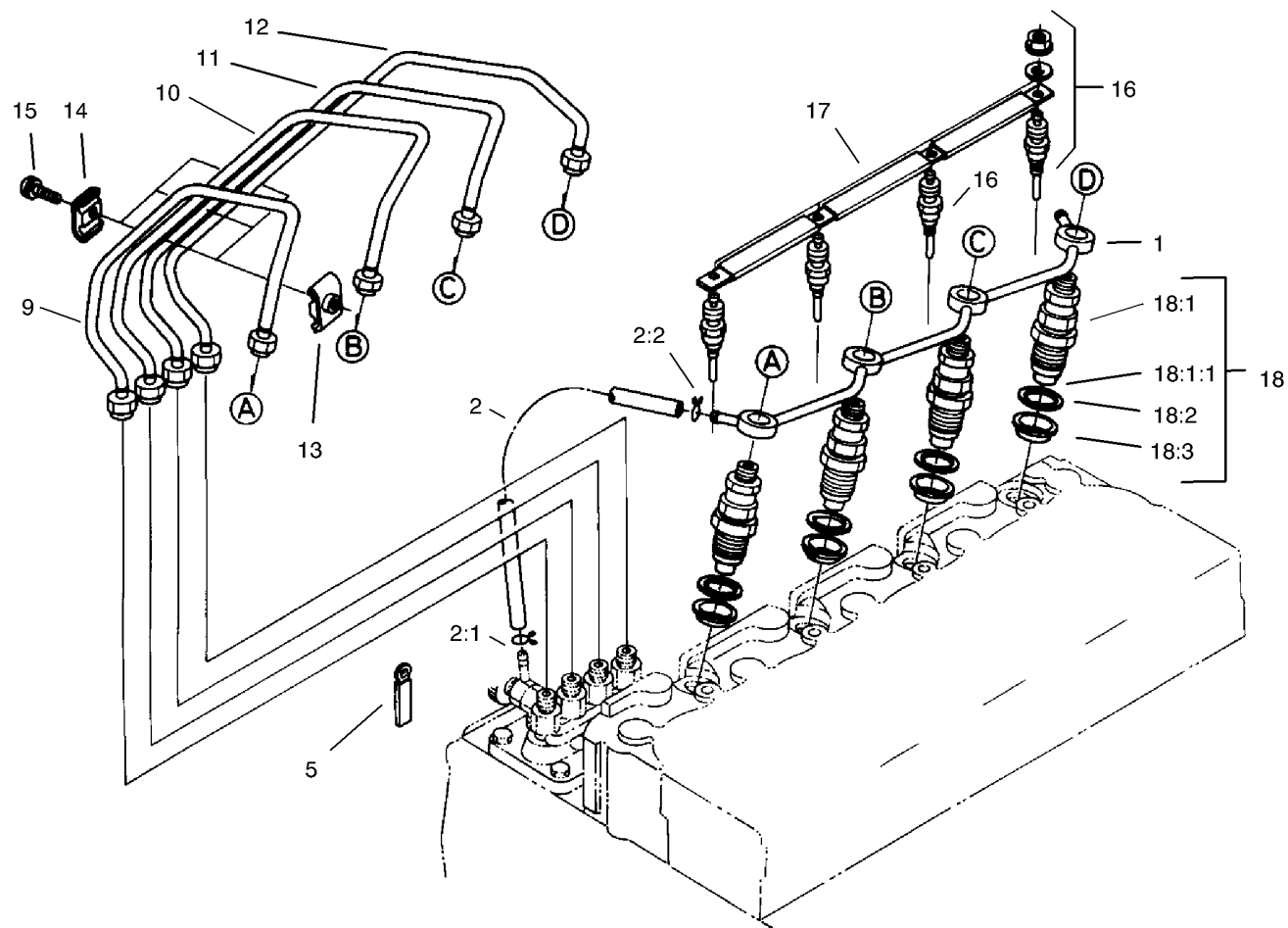
Governor Assembly

Ref.	Part Number	Qty.	Description
1	98-7638	1	Lever-Governor
2	98-7639	1	Fork Lever ASM
2:1	98-7640	1	Shaft-Lever, Fork
2:2	98-7641	1	Bolt-Shaft, Lever
2:3	98-7515	2	Washer-Spring
2:4	98-7643	1	Holder-Lever, Fork
2:5	98-7644	1	Bolt
10	98-7645	2	Bolt
11	98-7646	1	Bolt
12	98-7536	2	Washer-Plain
13	98-7648	1	Washer-Plain
14	98-7649	1	Spring-Start
15	98-7650	1	Spring-Governor
16	98-7651	1	Spring-Governor



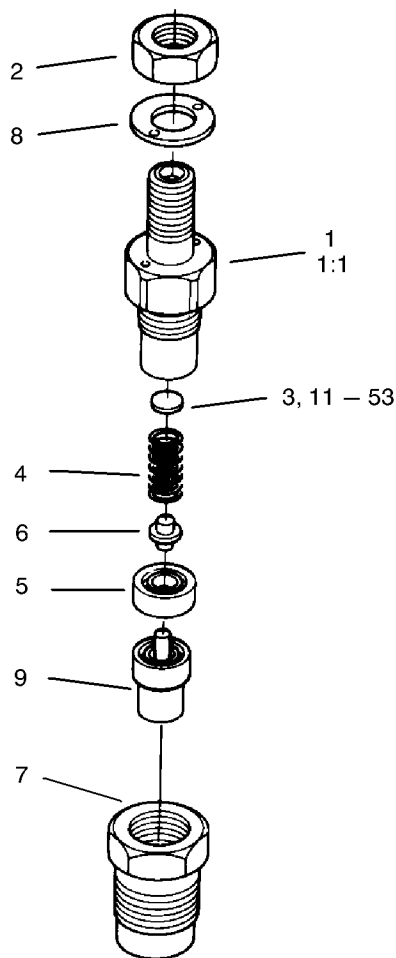
Speed Control Plate Assembly

Ref.	Part Number	Qty.	Description
1	98-7652	1	Bolt-Adjusting
2	98-7653	1	Nut
3	98-7654	2	Gasket
4	98-7655	1	Nut-Cap
5	98-7656	1	Cap
6	98-7657	1	Lever-Control, Speed
7	98-7658	1	Key-Feather
8	98-7659	1	O-Ring
9	98-7660	1	Washer-Plain
10	98-7661	2	Nut
11	98-7662	1	Collar
12	98-7663	1	Plate-Control, Speed
13	98-7664	1	Gasket
14	98-7568	2	Bolt
15	98-7571	2	Stud
16	98-7515	2	Washer-Spring
17	98-7572	2	Nut



Nozzle Holder and Glow Plug Assembly

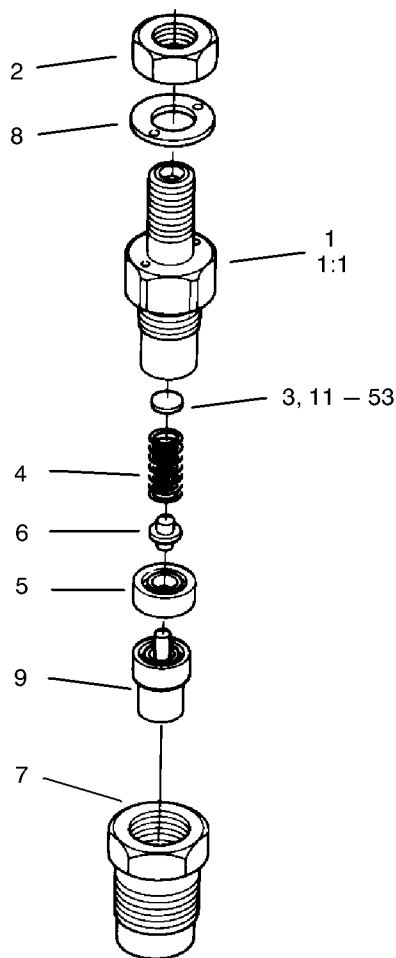
Ref.	Part Number	Qty.	Description
1	98-7669	1	Over Flow Pipe ASM
2	98-7670	1	Overflow Pipe ASM
2:1	98-7671	1	Clip-Pipe
2:2	98-7672	1	Clip-Pipe
5	98-7673	1	Clamp-Cord
9	98-7678	1	Pipe-Injection
10	98-7679	1	Pipe-Injection
11	98-7680	1	Pipe-Injection
12	98-7681	1	Pipe-Injection
13	98-7682	3	Clamp-Pipe
14	98-7683	3	Clamp-Pipe
15	98-7684	3	Screw (W/Washer)
16	98-7685	4	Plug-Glow
17	98-7686	1	Cord-Plug, Glow
18	98-7687	4	Nozzle Holder Kit
18:1	98-7674	4	Nozzle Holder ASM
18:1:1	98-7675	1	Piece-Nozzle
18:2	98-7676	4	Gasket
18:3	98-7677	4	Seal-Heat



Nozzle Holder Assembly No. 98-7688

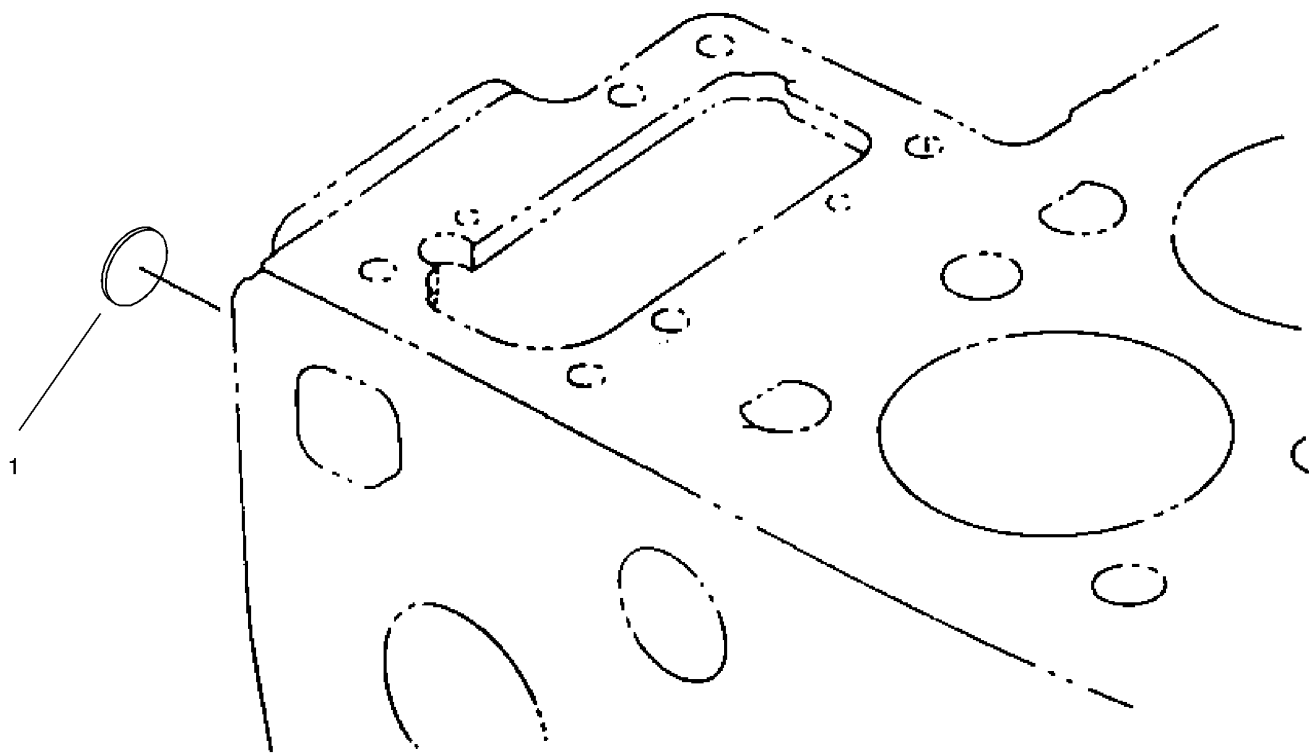
Ref.	Part Number	Qty.	Description
1	98-7674	4	Nozzle Holder ASM
1:1	98-7675	1	Piece-Nozzle
2	98-7613	4	Nut
3	98-7642	4	Washer-Adjusting (0.900Mm)
4	98-7647	4	Spring-Nozzle
5	98-7665	4	Spacer-Distance
6	98-7666	4	Rod-Push
7	98-7667	4	Nut-Nozzle
8	98-7668	4	Washer
9	98-7700	4	Piece-Nozzle
11	98-7642	4	Washer-Adjusting (0.900Mm)
12	98-7841	4	Washer-Adjusting (0.925Mm)
13	98-7842	4	Washer-Adjusting (0.950Mm)
14	98-7843	4	Washer-Adjusting (0.975Mm)
15	98-7844	4	Washer-Adjusting (1.000Mm)
16	98-7845	4	Washer-Adjusting (1.025Mm)
17	98-7846	4	Washer-Adjusting (1.050Mm)
18	98-7847	4	Washer-Adjusting (1.075Mm)

Ref.	Part Number	Qty.	Description
19	98-7848	4	Washer-Adjusting (1.100Mm)
20	98-7849	4	Washer-Adjusting (1.125Mm)
21	98-7850	4	Washer-Adjusting (1.150Mm)
22	98-7851	4	Washer-Adjusting (1.175Mm)
23	98-7852	4	Washer-Adjusting (1.200Mm)
24	98-7853	4	Washer-Adjusting (1.225Mm)
25	98-7854	4	Washer-Adjusting (1.250Mm)
26	98-7855	4	Washer-Adjusting (1.275Mm)
27	98-7856	4	Washer-Adjusting (1.300Mm)
28	98-7857	4	Washer-Adjusting (1.325Mm)
29	98-7858	4	Washer-Adjusting (1.350Mm)
30	98-7859	4	Washer-Adjusting (1.375Mm)
31	98-7860	4	Washer-Adjusting (1.400Mm)
32	98-7861	4	Washer-Adjusting (1.425Mm)



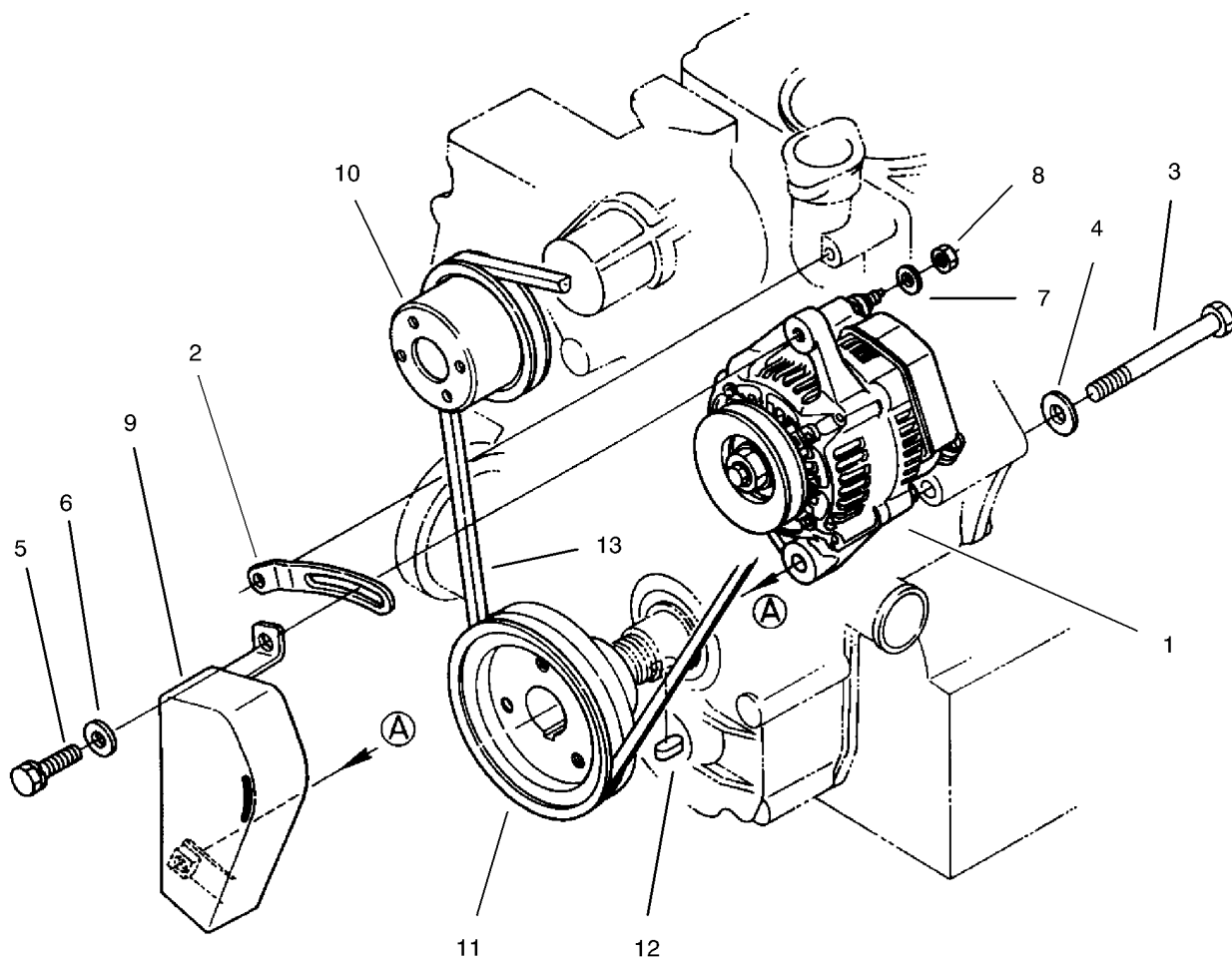
Nozzle Holder Assembly No. 98-7688 (continued)

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
33	98-7862	4	Washer-Adjusting (1.450Mm)	44	98-7873	4	Washer-Adjusting (1.725Mm)
34	98-7863	4	Washer-Adjusting (1.475Mm)	45	98-7874	4	Washer-Adjusting (1.750Mm)
35	98-7864	4	Washer-Adjusting (1.500Mm)	46	98-7875	4	Washer-Adjusting (1.775Mm)
36	98-7865	4	Washer-Adjusting (1.525Mm)	47	98-7876	4	Washer-Adjusting (1.800Mm)
37	98-7866	4	Washer-Adjusting (1.550Mm)	48	98-7877	4	Washer-Adjusting (1.825Mm)
38	98-7867	4	Washer-Adjusting (1.575Mm)	49	98-7878	4	Washer-Adjusting (1.850Mm)
39	98-7868	4	Washer-Adjusting (1.600Mm)	50	98-7879	4	Washer-Adjusting (1.875Mm)
40	98-7869	4	Washer-Adjusting (1.625Mm)	51	98-7880	4	Washer-Adjusting (1.900Mm)
41	98-7870	4	Washer-Adjusting (1.650Mm)	52	98-7881	4	Washer-Adjusting (1.925Mm)
42	98-7871	4	Washer-Adjusting (1.675Mm)	53	98-7882	4	Washer-Adjusting (1.950Mm)
43	98-7872	4	Washer-Adjusting (1.700Mm)				



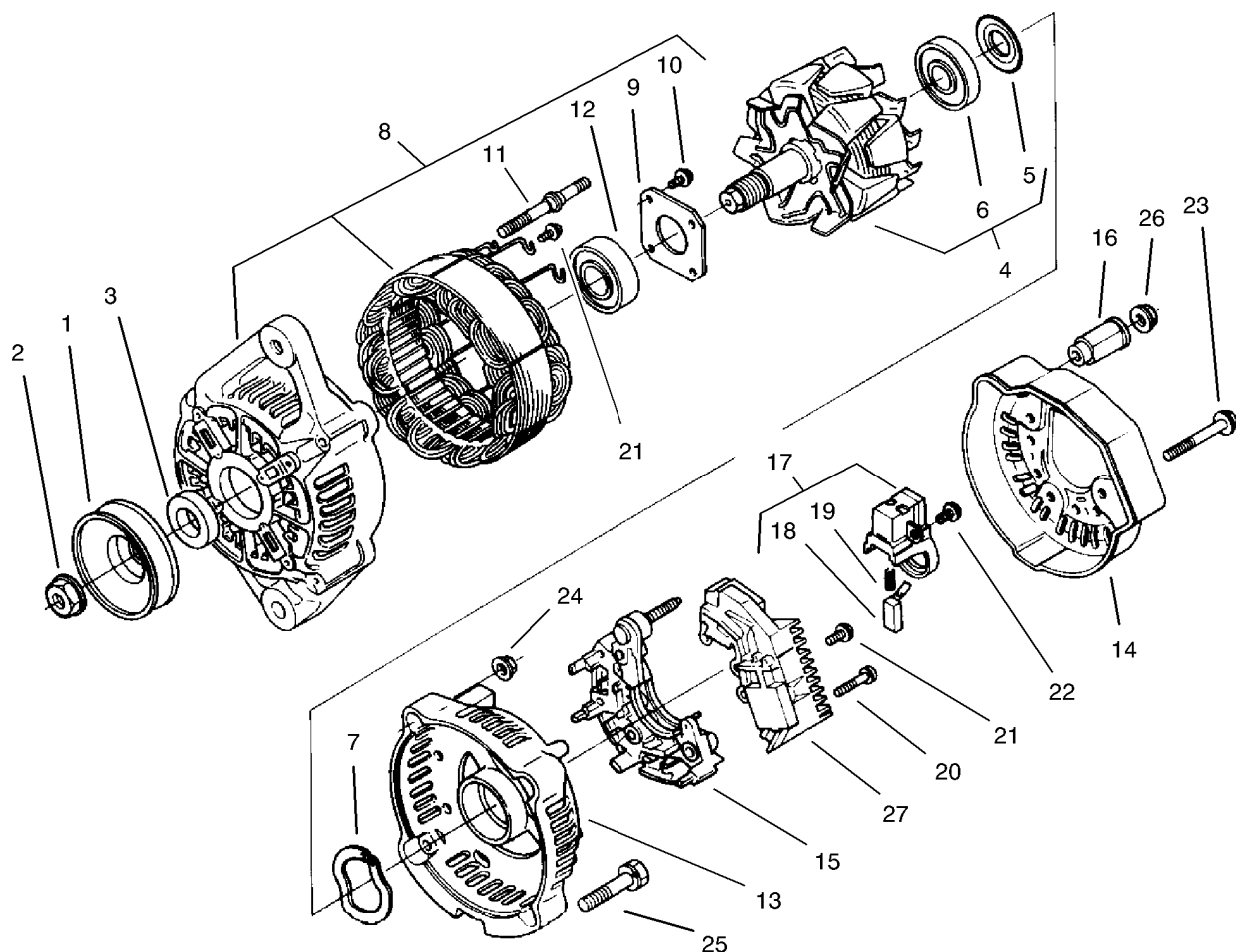
Sealing Cap Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	105-2883	1	Cap-Sealing



Alternator and Pulley Assembly

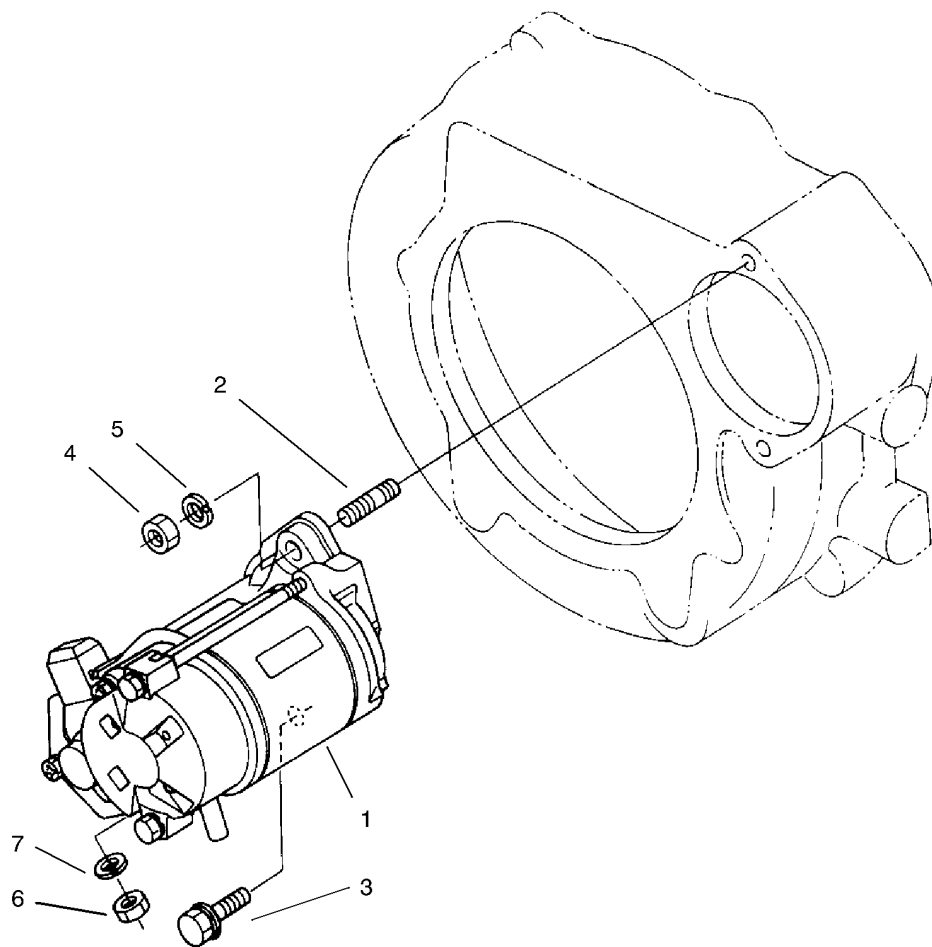
Ref.	Part Number	Qty.	Description
1	98-7693	1	Alternator ASM
2	98-7694	1	Bracket-Alternator
3	98-7695	1	Bolt
4	98-7696	1	Washer-Plain
5	98-7697	1	Bolt
6	98-7698	1	Washer-Plain
7	98-7699	1	Washer-Spring
8	98-7572	1	Nut
9	98-7701	1	Cover-Belt
10	98-7702	1	Pulley-Fan
11	98-7703	1	Pulley-Drive, Fan
12	98-7451	1	Key-Feather
13	98-7705	1	V-Belt



Alternator Assembly No. 98-7693

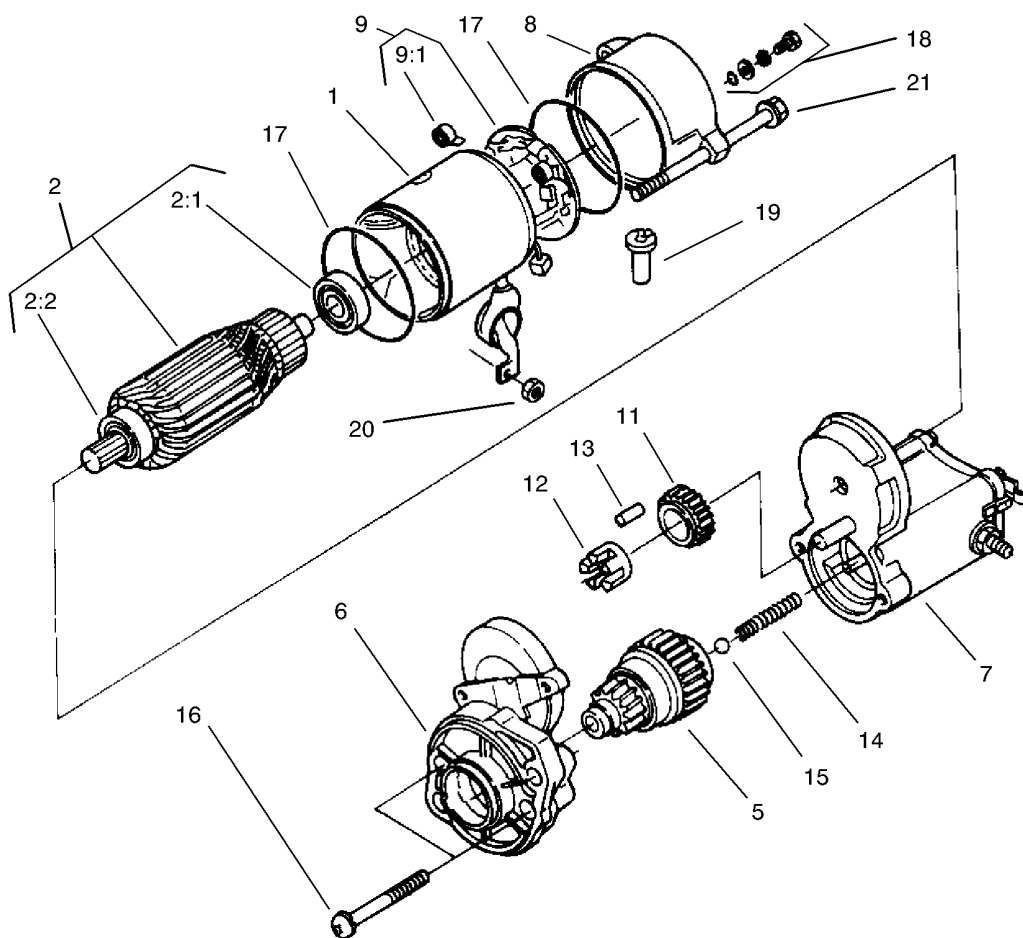
Ref.	Part Number	Qty.	Description
1	98-7707	1	Pulley-Alternator
2	98-7708	1	Nut
3	98-7709	1	Collar
4	98-7710	1	Rotor
5	98-7711	1	Cover-Bearing
6	98-7712	1	Bearing-Ball
7	98-7713	1	Washer-Thrust
8	98-7714	1	Frame-End, Drive
9	98-7715	1	Plate-Retainer
10	98-7716	4	Screw-Head, Round
11	98-7717	2	Bolt-Through
12	98-7718	1	Bearing-Ball
13	98-7719	1	Frame-End
14	98-7720	1	Cover-End

Ref.	Part Number	Qty.	Description
15	98-7721	1	Rectifier ASM
16	98-7722	1	Bushing-Insulation
17	98-7723	1	Holder-Brush
18	98-7724	2	Brush
19	98-7725	2	Spring-Brush
20	98-7726	2	Screw-Head, Round
21	98-7727	6	Screw-Head, Round
22	98-7728	1	Screw-Head, Round
23	98-7729	3	Bolt
24	98-7730	2	Nut
25	98-7731	2	Bolt
26	98-7732	1	Nut
27	98-7733	1	Regulator ASM



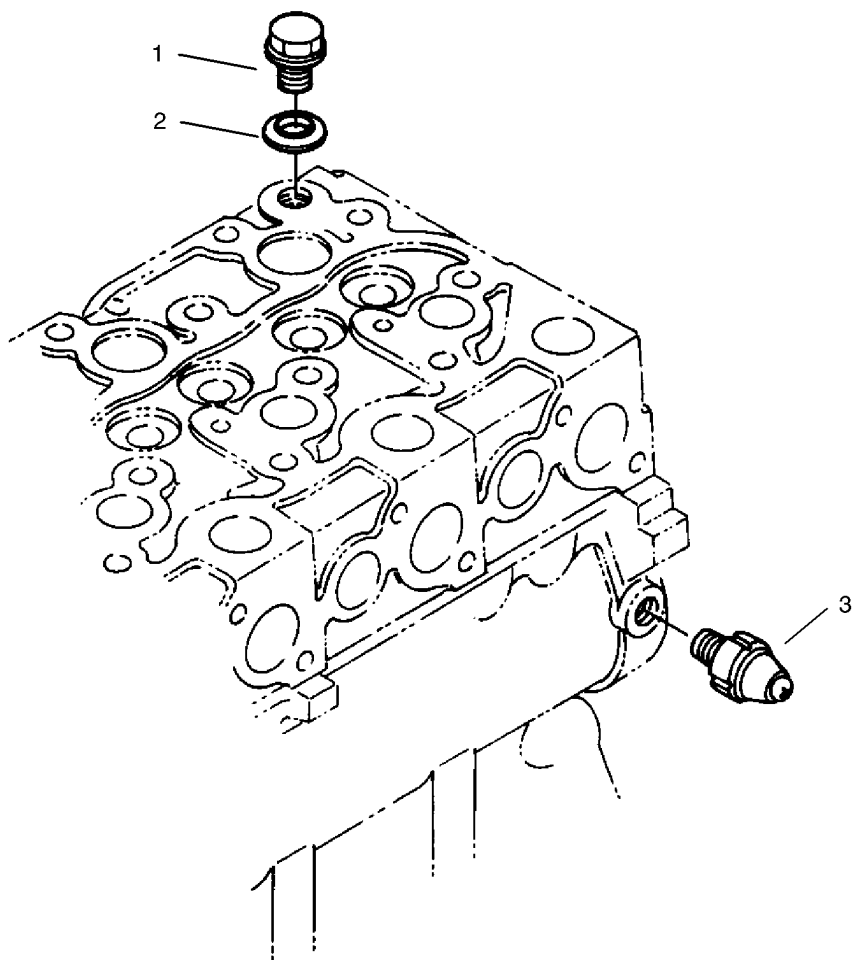
Starter Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	98-7734	1	Starter ASM
2	98-7735	1	Stud
3	98-7736	1	Bolt
4	98-7737	1	Nut
5	98-7738	1	Washer-Spring
6	98-7739	1	Nut
7	98-7535	1	Washer-Spring



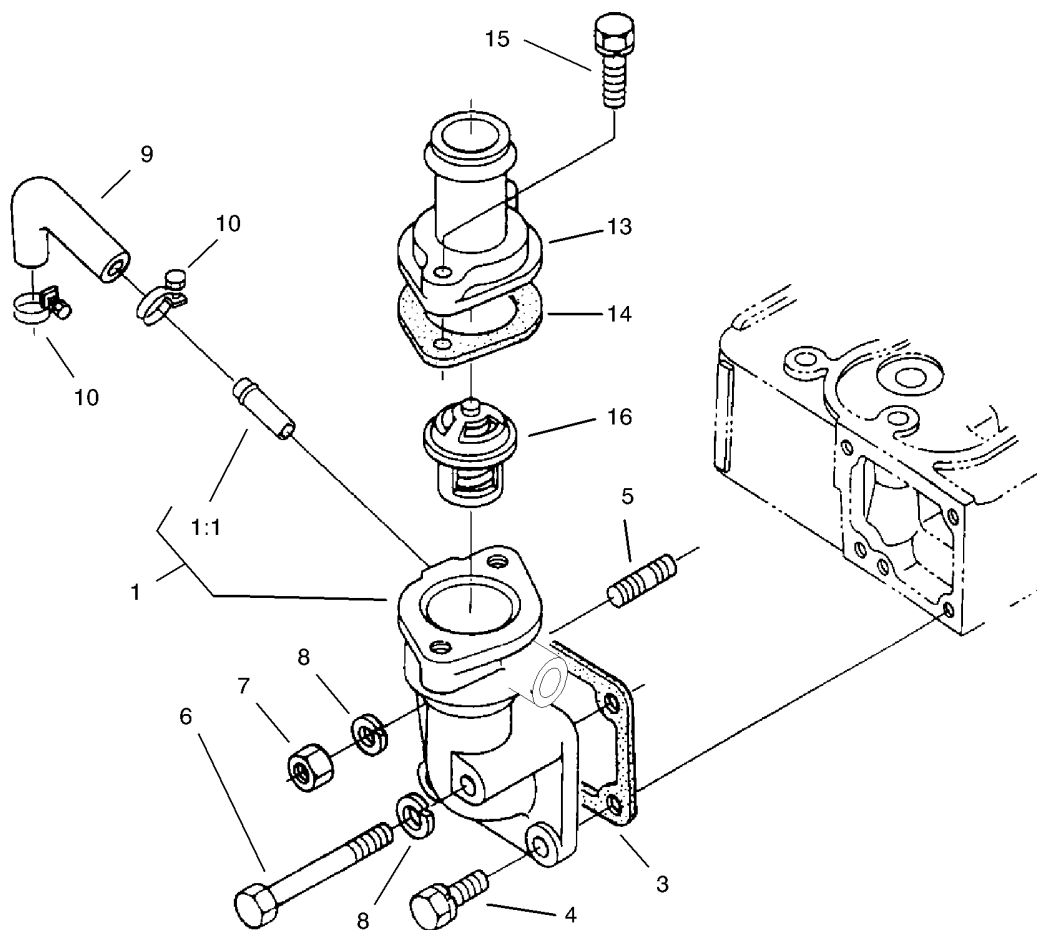
Starter Assembly No. 98-7734

Ref.	Part Number	Qty.	Description
1	98-7741	1	Yoke ASM
2	98-7742	1	Armature ASM
2:1	98-7743	1	Bearing
2:2	98-7744	1	Bearing
5	98-7745	1	Clutch-Running, Over
6	98-7746	1	Frame-End, Drive
7	98-7747	1	Magnetic Switch ASM
8	98-7748	1	Frame-End
9	98-7749	1	Brush Holder ASM
9:1	98-7750	4	Spring-Brush
11	98-7751	1	Gear
12	98-7752	1	Retainer
13	98-7753	5	Roller
14	98-7754	1	Spring
15	98-7755	1	Ball
16	98-7756	2	Bolt
17	98-7757	2	O-Ring
18	98-7758	2	Bolt ASM
19	98-7759	1	Pipe-Drain
20	98-7760	1	Nut-Hex
21	98-7761	2	Bolt-Through



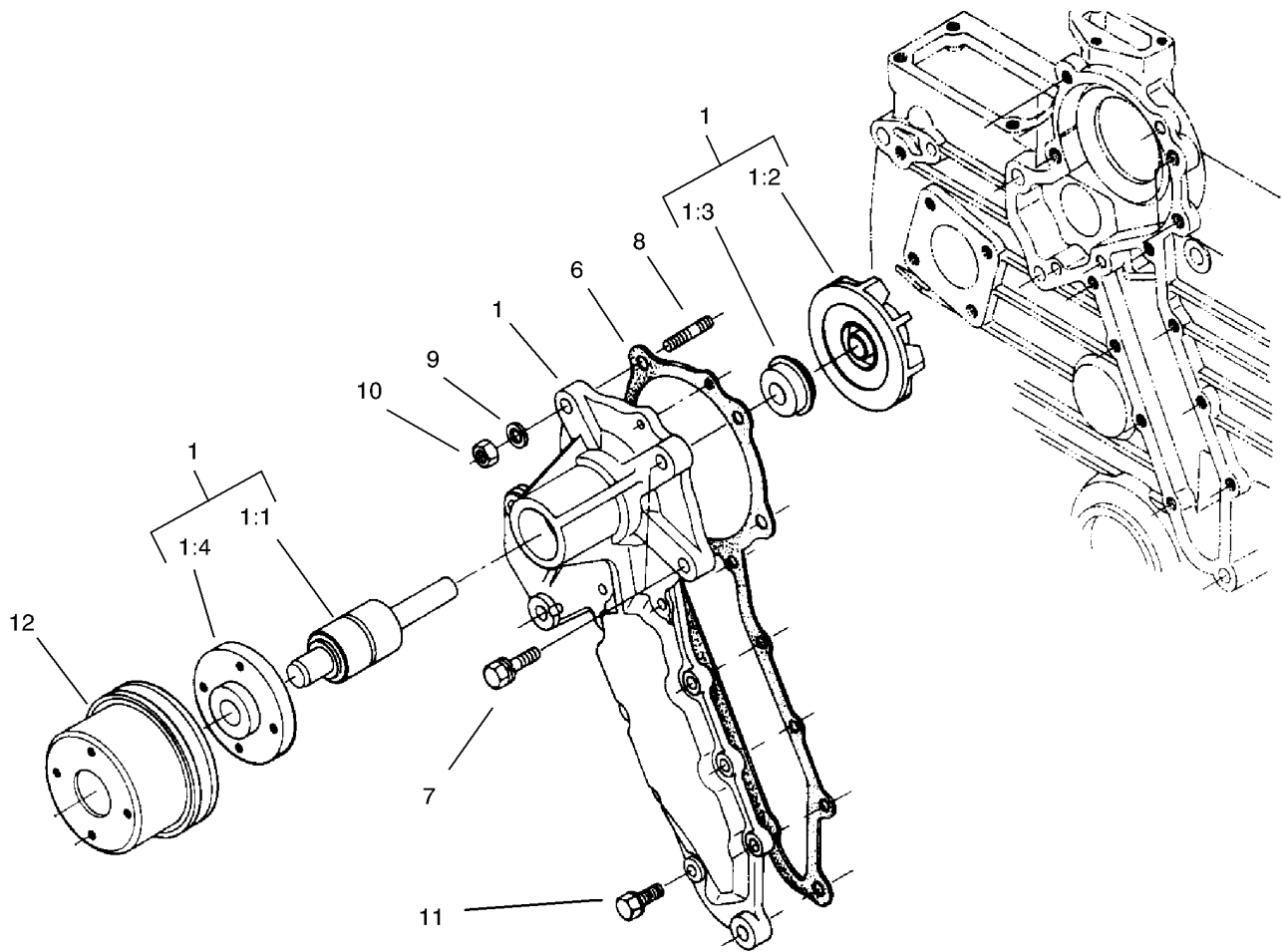
Oil Switch and Plug Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	98-7762	1	Plug
2	98-7763	1	Washer-W/Rubber
3	98-7764	1	Switch-Oil



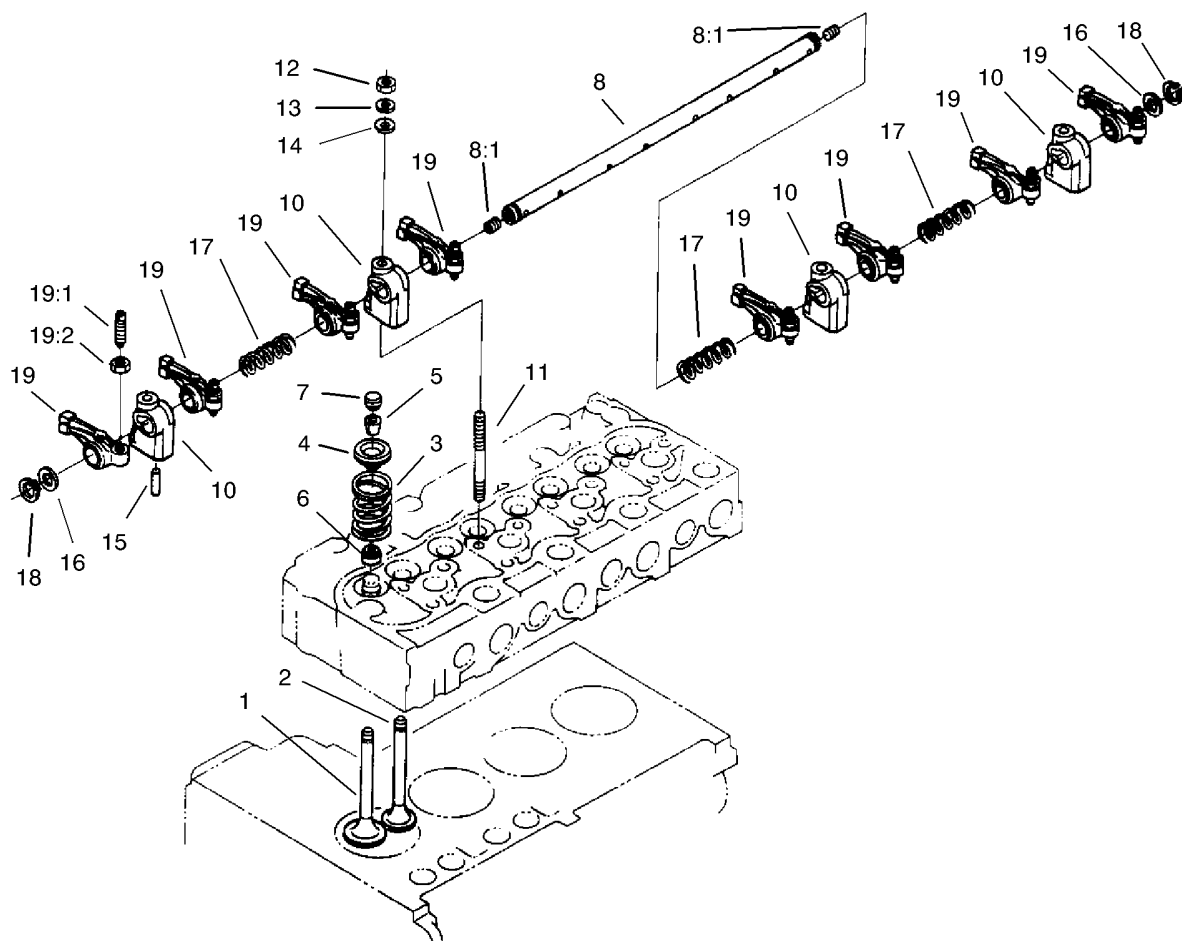
Water Flange and Thermostat Assembly

Ref.	Part Number	Qty.	Description
1	98-7765	1	Water Flange ASM
1:1	98-7766	1	Pipe-Return, Water
3	98-7767	1	Gasket-Flange, Water
4	98-7610	2	Bolt
5	98-7769	1	Stud
6	98-7554	1	Bolt
7	98-7534	1	Nut
8	98-7535	2	Washer-Spring
9	98-7773	1	Pipe-Return, Water
10	98-7774	2	Band-Pipe
13	98-7775	1	Cover-Thermostat
14	98-7776	1	Gasket
15	98-7777	1	Bolt
16	98-7778	1	Thermostat ASM



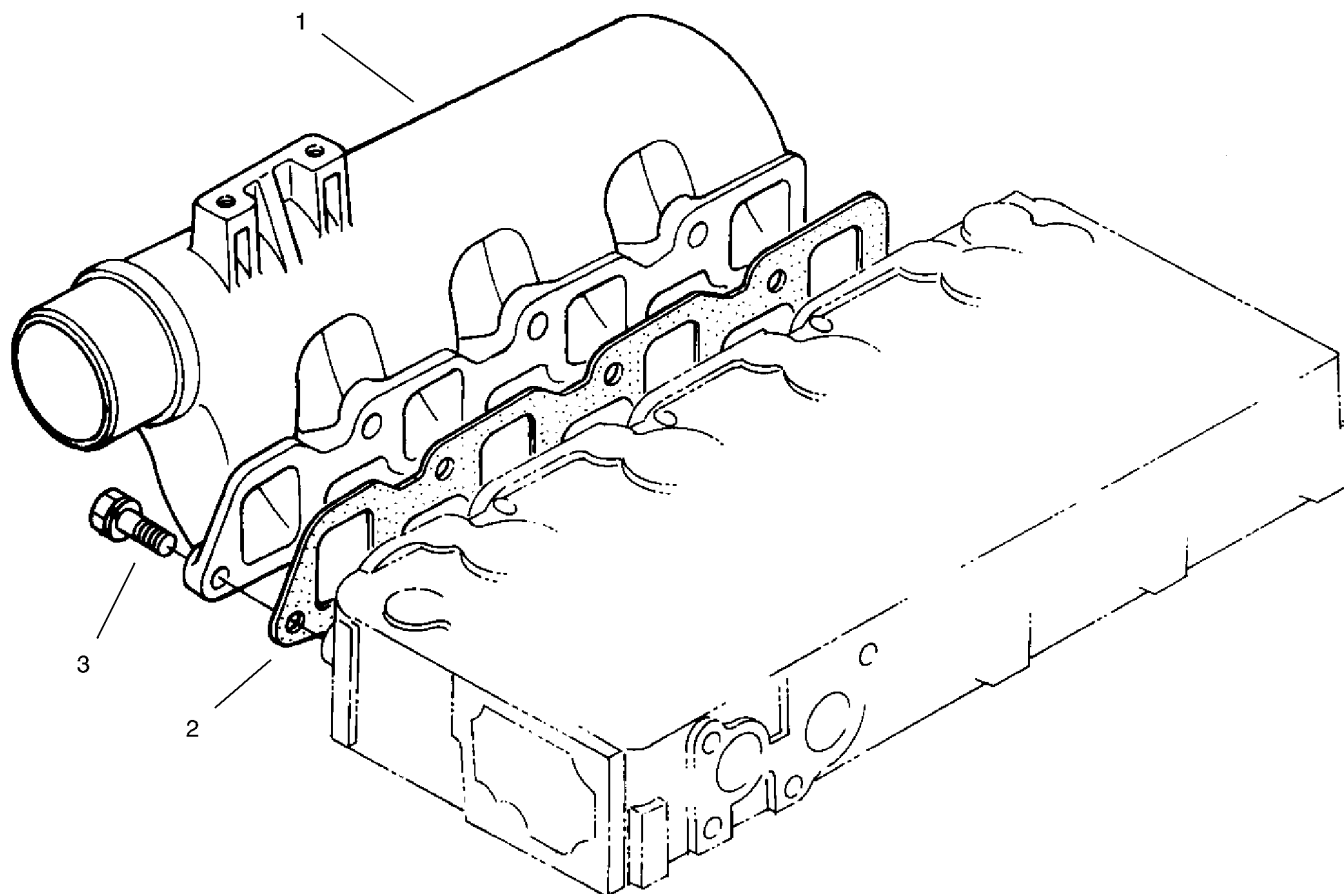
Water Pump Assembly

Ref.	Part Number	Qty.	Description
1	98-7779	1	Water Pump ASM
1:1	98-7780	1	Bearing-Ball
1:2	98-7781	1	Impeller-Pump, Water
1:3	98-7782	1	Mechanical Seal ASM
1:4	98-7783	1	Flange-Pump, Water
6	98-7784	1	Gasket-Pump, Water
7	98-7439	2	Bolt
8	98-7786	2	Stud
9	98-7535	2	Washer-Spring
10	98-7534	2	Nut
11	98-7605	8	Bolt
12	98-7702	1	Pulley-Fan



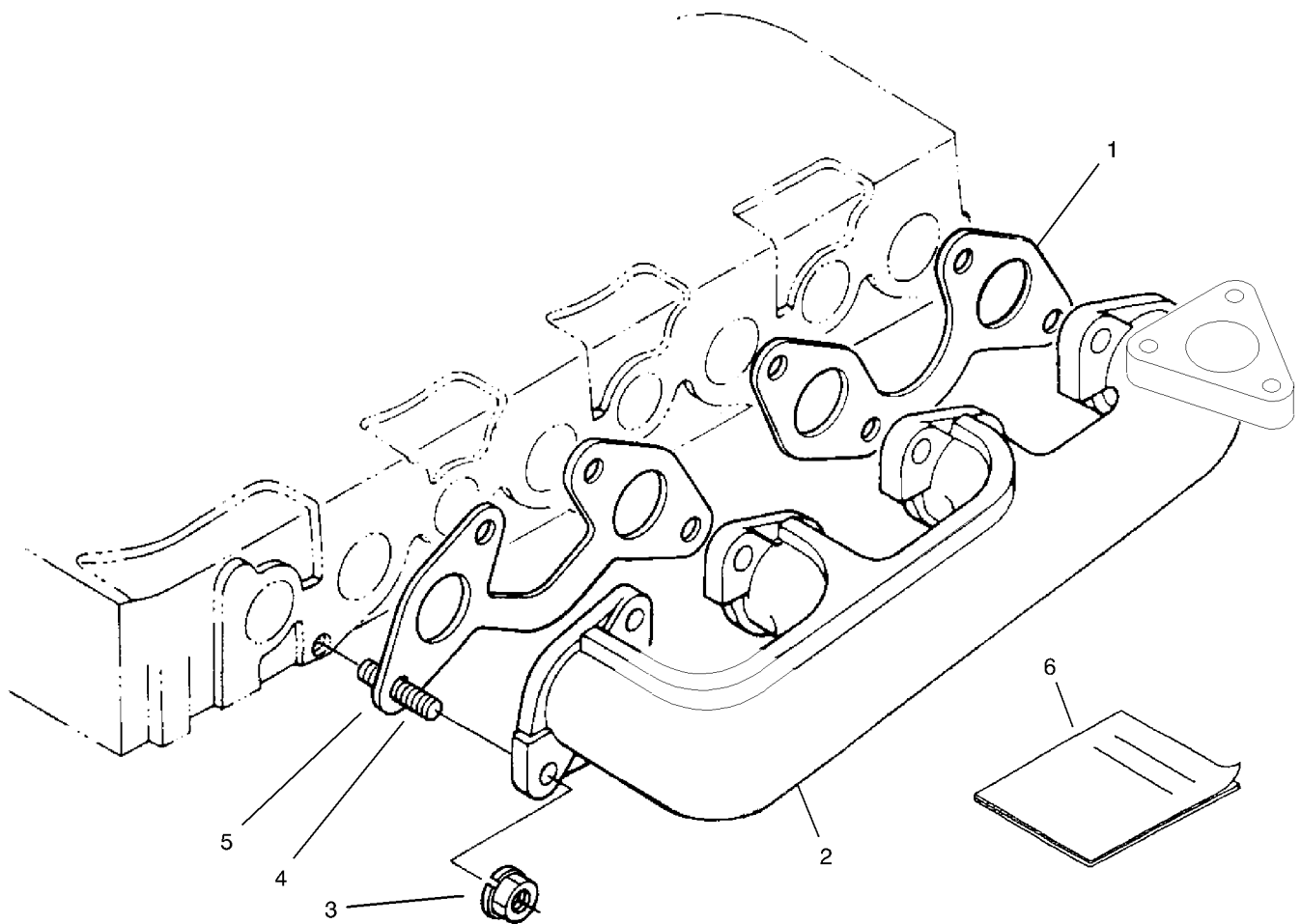
Valve and Rocker Assembly

Ref.	Part Number	Qty.	Description
1	98-7791	4	Valve-Inlet
2	98-7792	4	Valve-Exhaust
3	98-7793	8	Spring-Valve
4	98-7794	8	Retainer-Spring, Valve
5	98-7795	8	Collet-Spring, Valve
6	98-7796	8	Seal-Stem, Valve
7	98-7797	8	Cap-Valve
8	98-7798	1	Rocker Arm Shaft ASM
8:1	98-7799	2	Screw-Set
10	98-7800	4	Bracket-Arm, Rocker
11	98-7801	4	Stud
12	98-7534	4	Nut
13	98-7535	4	Washer-Spring
14	98-7536	4	Washer-Plain
15	98-7805	1	Pin-Spring
16	98-7806	2	Washer
17	98-7807	3	Spring-Arm, Rocker
18	98-7808	2	Clip-Cir., External
19	98-7809	8	Rocker Arm ASM
19:1	98-7810	1	Screw-Adjusting
19:2	98-7811	1	Nut



Inlet Manifold Assembly

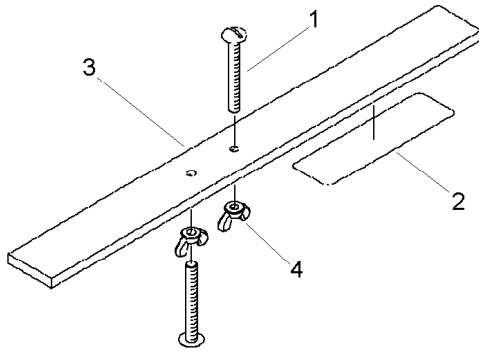
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	98-7812	1	Manifold-Inlet
2	98-7813	1	Gasket-Manifold, In
3	98-7610	3	Bolt



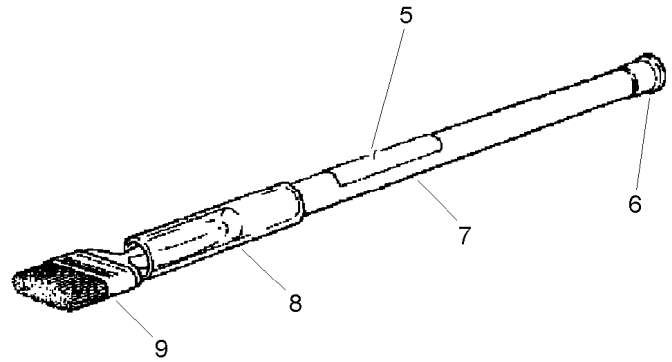
Exhaust Manifold Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	98-7802	1	Gasket
2	98-7815	1	Manifold-Exhaust
3	100-1559	8	Nut-Manifold, Exhaust
4	100-1558	8	Stud-Manifold, Exhaust
5	98-7803	1	Gasket
6	105-3316	1	Manual-Operator, Kubota

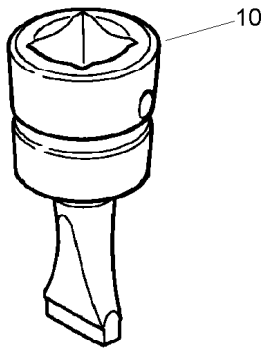
Gauge Bar Assembly No. 98-1852



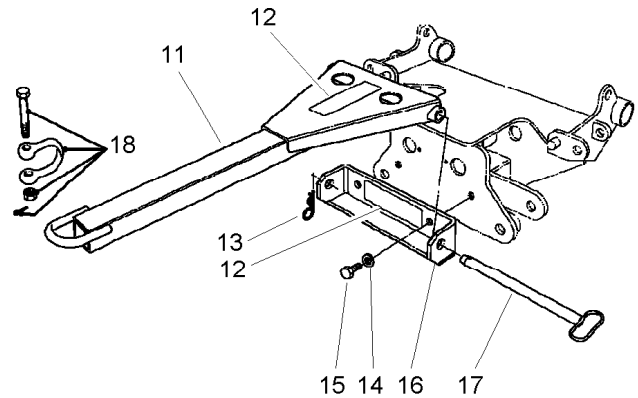
Backlapping Brush Assembly No. TOR299100



Bedknife Screw Tool No. TOR510880



Tow Bar Assembly No. 58-7020



Special Tools

Ref.	Part Number	Qty.	Description
1	32122-54	1	Screw-Head, Truss
2	98-7976	1	Decal-Bar, Gauge
3		1	Bar ●
4	32103-3	1	Nut-Wing
5	12-9140	1	Decal ■
6	2410-18	1	Cap-Plastic ■
7	29-9080	1	Handle ■
8	29-9090	1	Hose-Handle ■
9	36-4310	1	Brush ■
10		1	Tool-Bedknife, Screw ■
11	12-7579	1	Tow Bar (Incl. Ref. #12)
12	63-4380	2	Decal-Tow Warning
13	60-4150	1	Pin-Lynch
14	48-8070	2	Washer-Lock
15	48-7830	2	Screw
16	12-7589	1	Tow Bar Bracket ASM (Incl. Ref. #12)
17	60-4120	1	Pin
18	60-4480	1	Shackle-Chain

● Not serviced separately

■ Obtain directly from K-Line Industries, Inc. (<https://klineind.com>)

Notes:

Notes:



Count on it.