Form No. 3363-409 Rev C

TORO®

Count on it.

Parts Catalog

Reelmaster® 6500-D

2-Wheel Drive Traction Unit

Model No. 03806—Serial No. 310000001 and Up

CE

Register at www.Toro.com.

Original Instructions (EN)

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.

List of Abbreviations

AR: as required

ASM: assembly

BBC: blade brake control

BHTF: button head thread forming

CARR: carriage

CCW: counter clockwise

CW: clockwise

DEG: degrees

DPA: Dual Point Adjustment

ECM: electronic control module

EXT: external

FH: flat head

GA: gauge

HD: heavy-duty

HF: hex flange

HH: hex head

HHF: hex head flange

HHFTF: hex head flange thread forming

HJ: hex jam

HLH: hex lag head

HOC: height-of-cut

HSBH: hex socket button head

HSFH: hex socket flat head

HSH: hex socket head

HWH: hex washer head

HWHTF: hex washer head thread forming

HYD: hydraulic

LH: left hand

LP: Liquid Propane

NI: nylon insert

NPTF: national pipe thread fine

PFH: phillips flat head

PPH: phillips pan head

PPHTF: phillips pan head thread forming

PRH: phillips round head

PTH: phillips truss head

PTO: power-take-off

RH: right hand

ROPS: roll-over protection system

RRB: rear roller brush

SFH: slotted fillister head

SHH: slotted hex head

SHWH: slotted hex washer head

SPH: slotted pan head

SQH: square head

SRH: slotted round head

STD: standard

TAP: self tapping

TTH: torx truss head

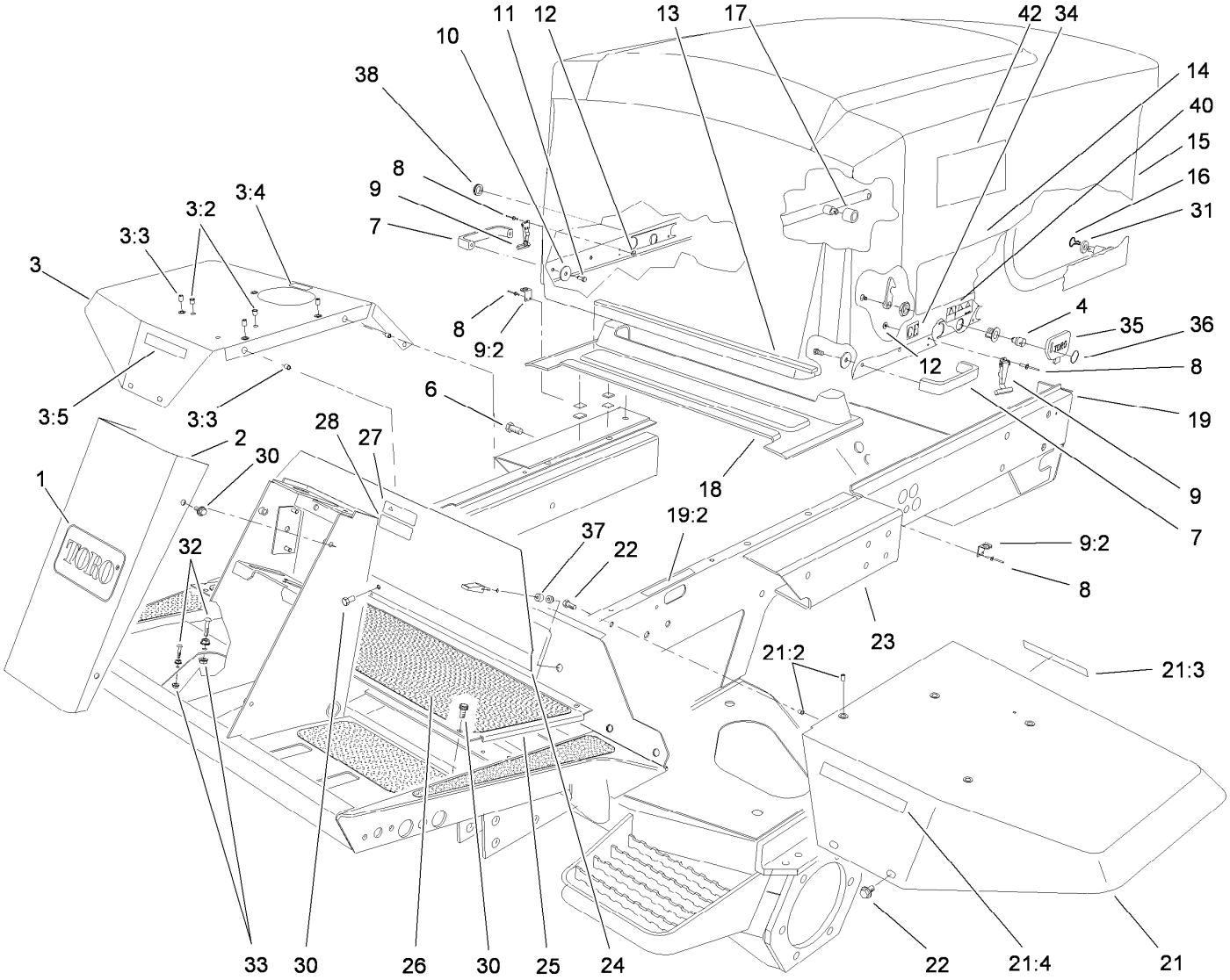
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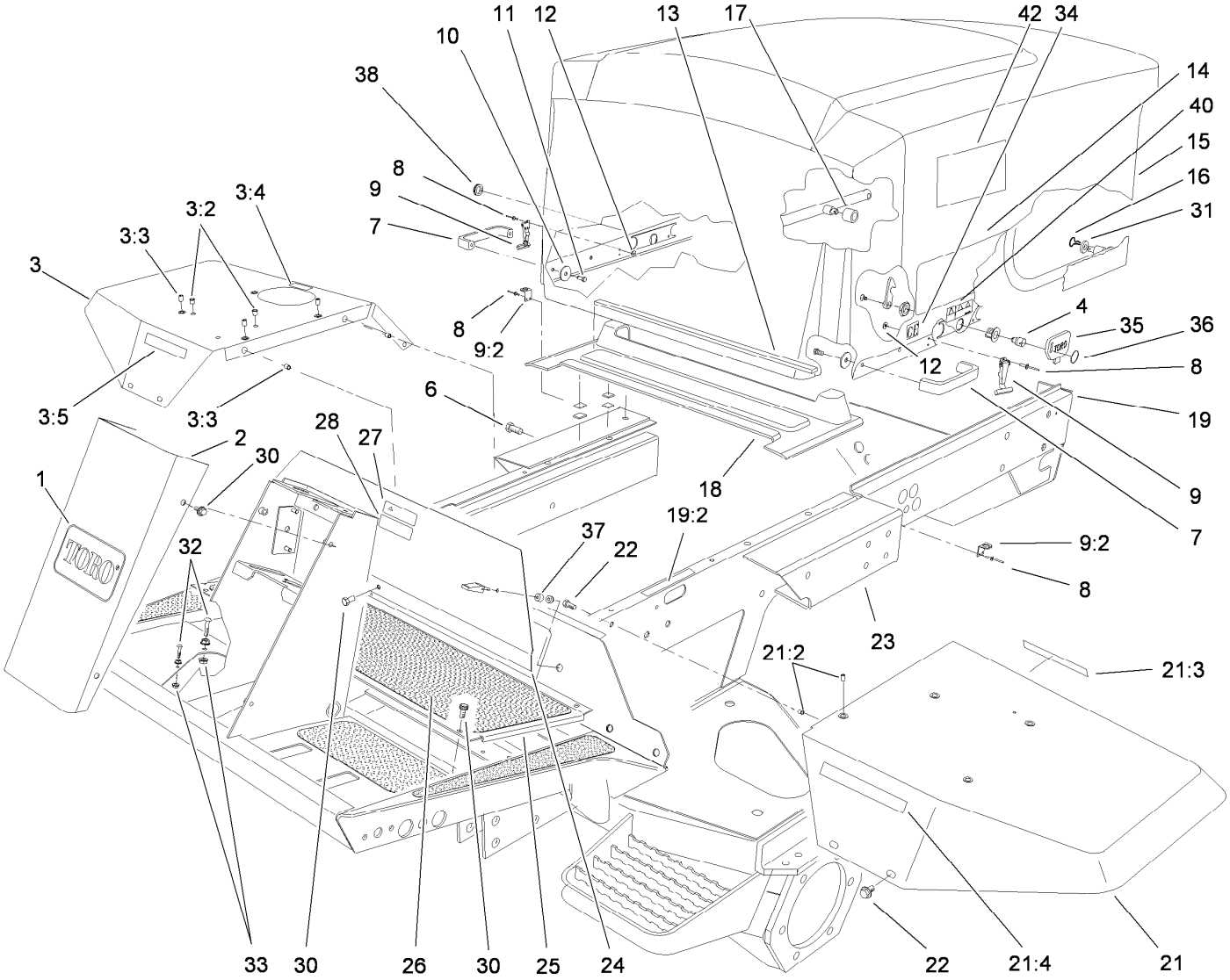
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Frame and Body Assembly

Ref.	Part Number	Qty.	Description
1	62-5550	1	Decal
2	93-7996-01	1	Cover-Tower
3	106-5950	1	RH Fender ASM
3:2	32148-6	2	Insert-Nut
3:3	32148-7	5	Nut-Insert
3:4	93-6686	1	Decal-Oil, HYD
3:5	93-6689	1	Decal-No Riders
4	105-3301	1	Latch ASM
6	3234-38	12	Screw-HHF
7	65-5100	2	Handle-Door
8	3269-8	8	Rivet-Blind
9	59-9740	2	Flex Draw Latch ASM
9:2	249-40	1	Keeper
10	3256-78	4	Washer-Flat
11	46-8091	4	Screw-HWH
12	3269-10	4	Washer-Back
13	92-7633	1	Bumper-Hood
14	106-7064	2	Decal
15	105-0130	1	Hood
16	3290-467	2	Pin-Hair
17	93-7582	1	Hose

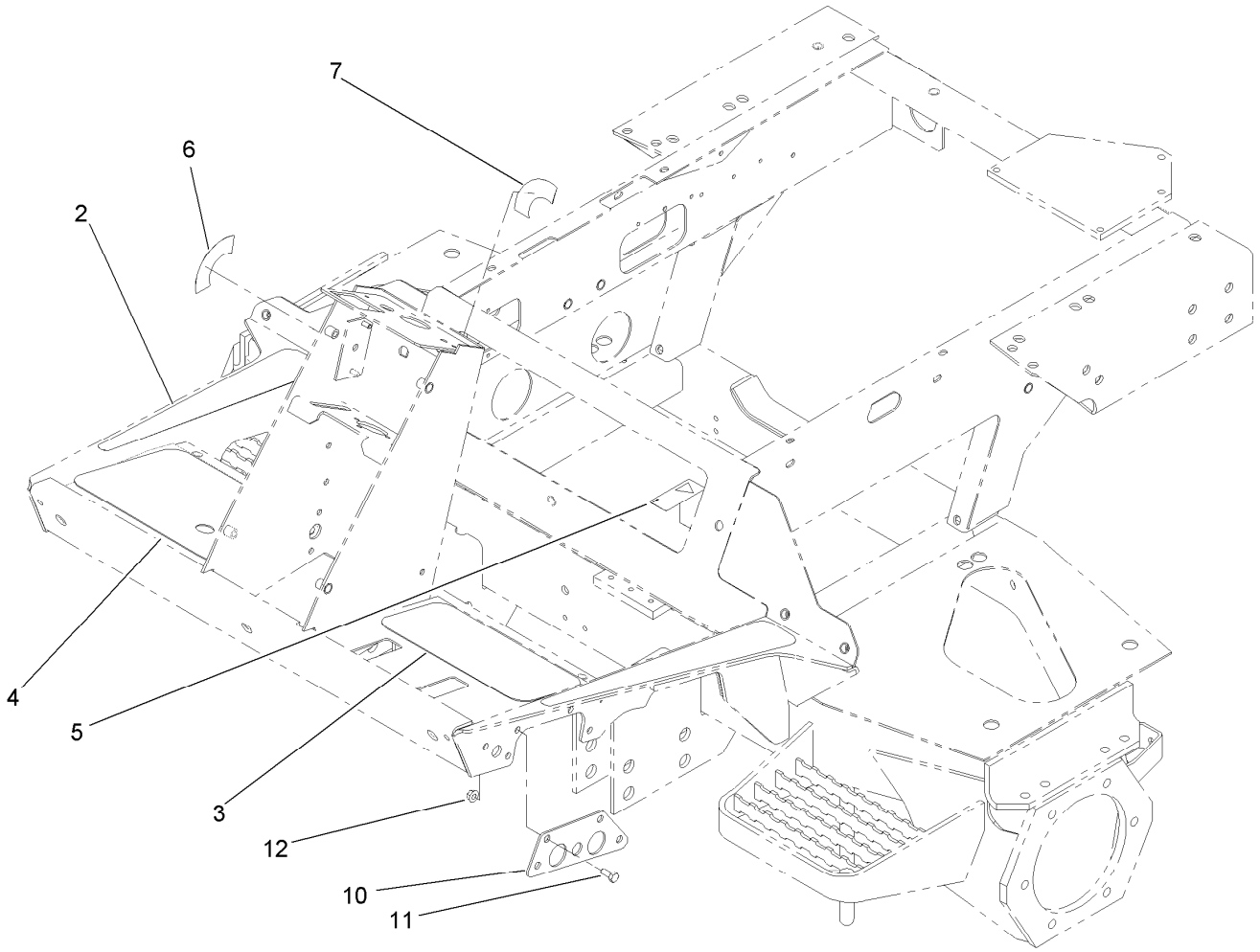
Ref.	Part Number	Qty.	Description
18	94-2617	1	Pump Cover ASM
19	115-8040	1	Rear Frame ASM
19:2	115-2047	1	Decal-Surface, Hot
21	106-5951	1	LH Fender ASM
21:2	32148-7	6	Nut-Insert
21:3	93-6680	1	Decal-Diesel
21:4	93-6689	1	Decal-No Riders
22	3234-14	10	Screw-HHF
23	108-4407	1	Front Frame ASM
24	75-1390-01	1	Cover-Access, Front
25	75-1410-01	1	Plate-Access, Floor
26	75-0630	1	Tread-Foot, Center
27	93-9425	1	Decal-Danger
28	117-2718	1	Decal-Arrester, Spark
30	3234-7	9	Screw-HHF
31	66-6480	4	Washer
32	3274-83	2	Screw-HSH
33	32128-20	4	Nut-HF
34	93-7252	1	Decal-Ce Mark
35	99-8970	1	Key-Latch, Hood
36	98-9321	1	Ring-Key



Frame and Body Assembly (continued)

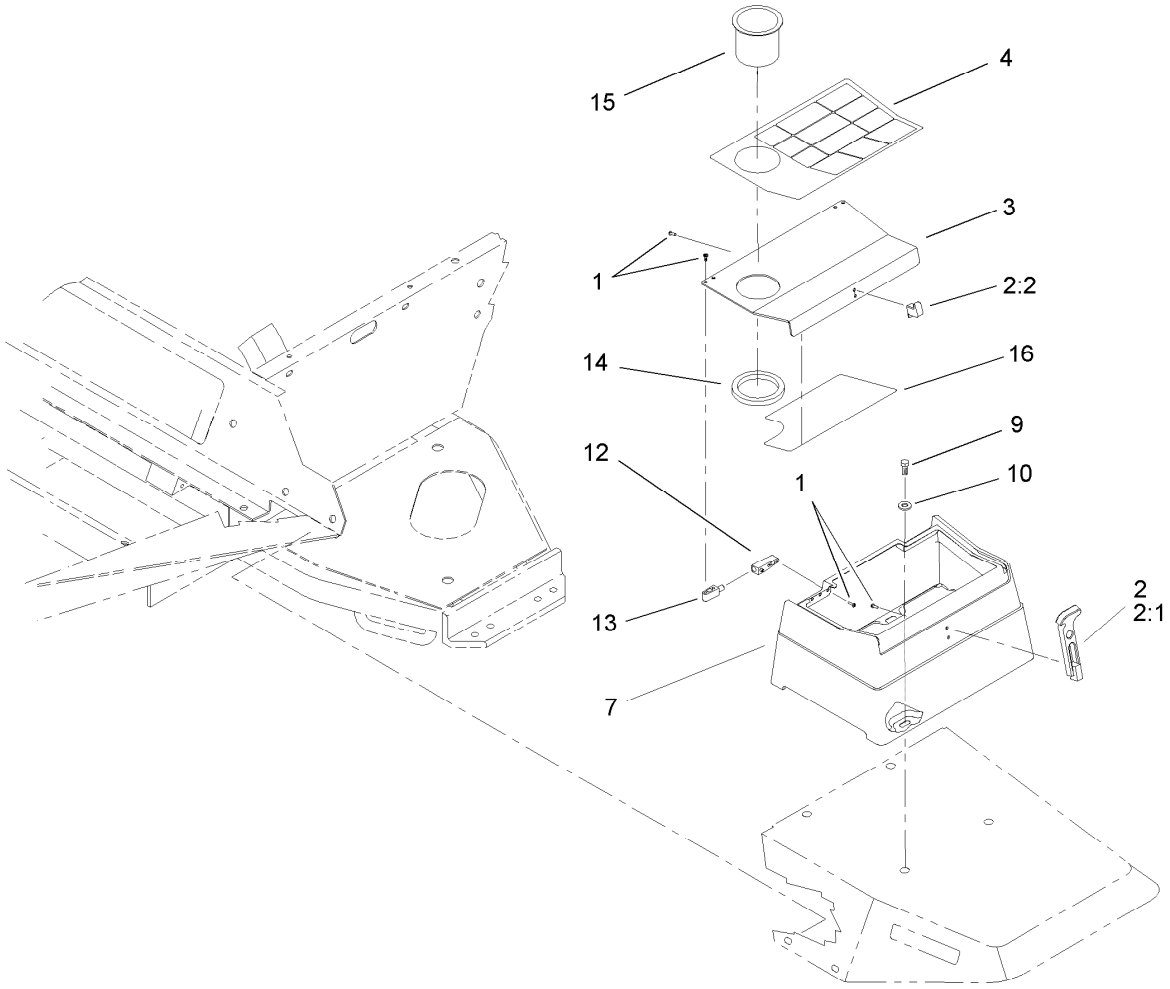
Ref.	Part Number	Qty.	Description
37	74-5950	2	Latch-Swell
38	104-1453	1	Grommet

Ref.	Part Number	Qty.	Description
40	106-6754	1	Decal-Danger
42	66-6140	2	Decal



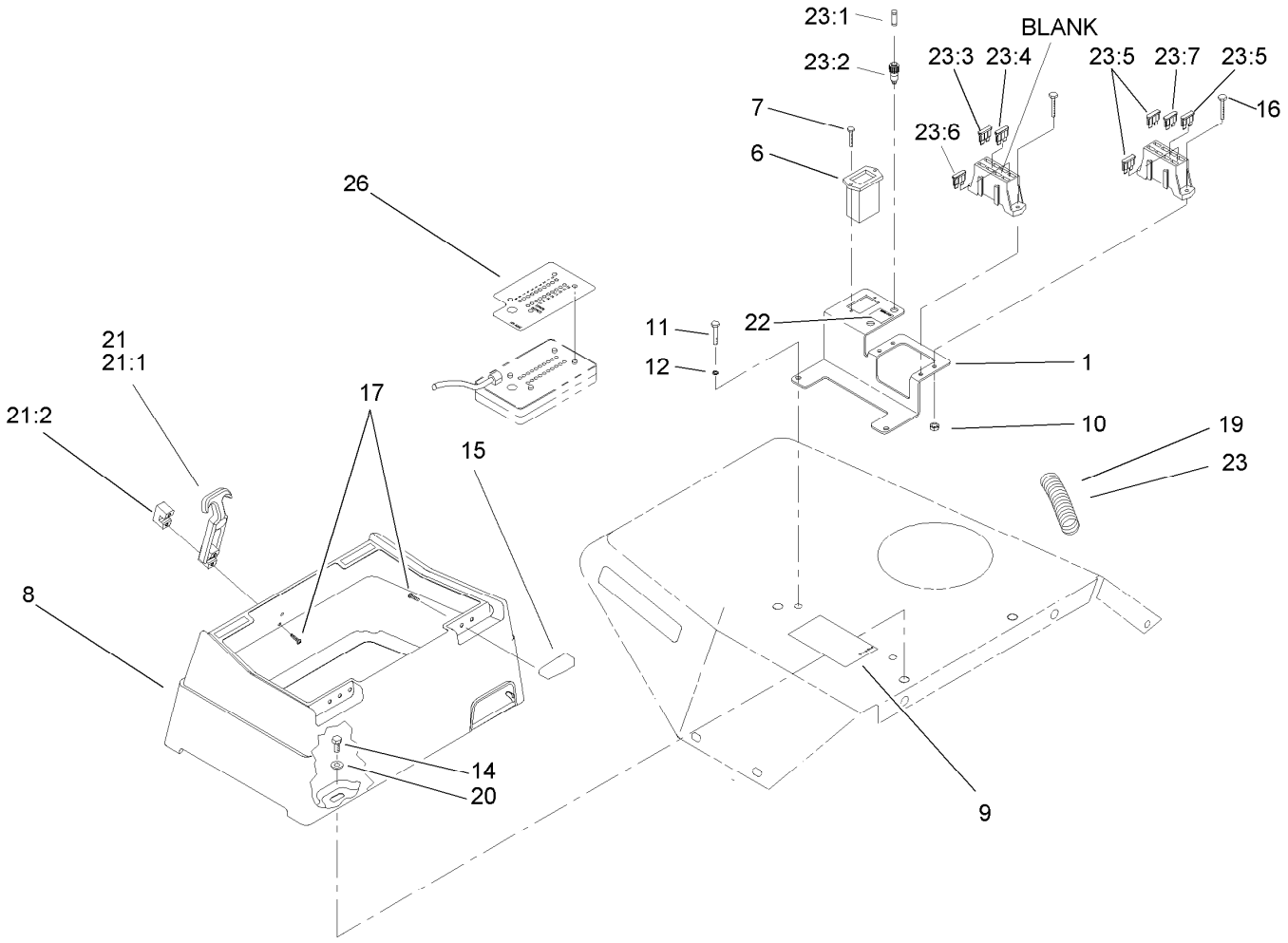
Front Frame Assembly No. 108-4407

Ref.	*Part Number*	*Qty.*	*Description*
2	93-7592	2	Tread-Rest, Foot
3	75-0620	1	Tread-Foot, LH
4	104-5223	1	Tread-Foot, RH
5	93-6693	1	Decal-Plate, Floor
6	93-6699	1	Decal-Fast / Slow
7	105-7506	1	Decal-Switch, Key
10	106-7793-01	2	Plate-Mount, Tube
11	322-3	7	Screw-HH
12	32128-20	7	Nut-HF



Tool Box Assembly

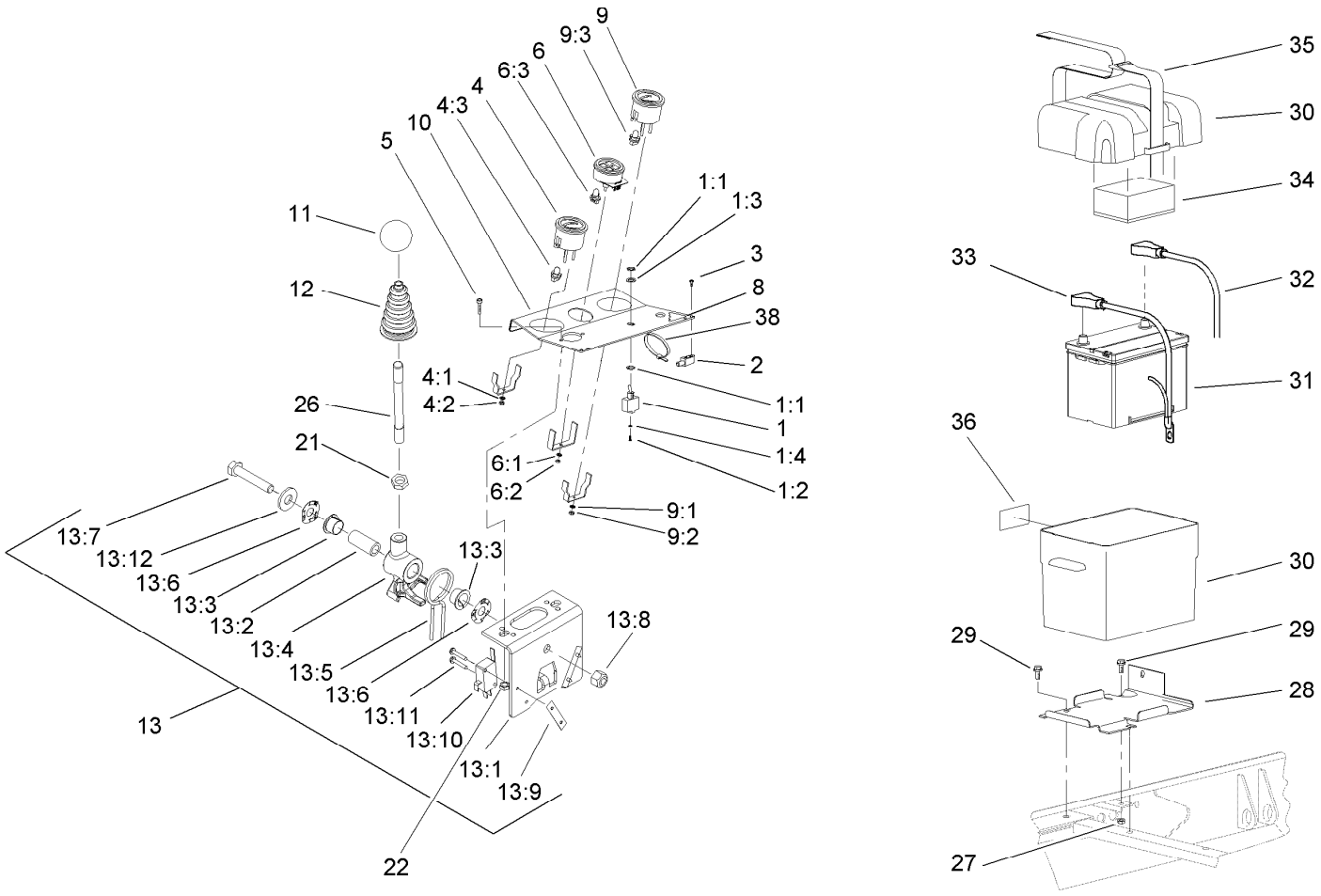
Ref.	*Part Number*	*Qty.*	*Description*
1	32144-1	12	Screw-Taptite
2	94-5626	1	Latch-Draw, Flexible
2:1	103-4080	1	Latch-Rubber
2:2	103-4081	1	Latch-Keeper
3	104-1489-03	1	Cover-Toolbox
4	115-2046	1	Decal-Warning, Ce
4	115-2045	1	Decal-Warning, Ansi
7	104-0026	1	Toolbox
9	322-4	4	Screw-HH
10	3256-3	4	Washer-Flat
12	104-1496	2	Hinge-Pin
13	104-1497	2	Hinge-Receiver
14	104-1476	1	Ring-Rubber
15	94-1410	1	Holder-Can, Beverage
16	115-2048	1	Decal-Quick Reference



Control Console Assembly

Ref.	Part Number	Qty.	Description
1	105-0137-03	1	Bracket-Block, Fuse
6	75-6820	1	Hourmeter
7	32144-18	2	Screw-HH
8	104-0027	1	Box-Control
9	104-5229	1	Decal-Fuses, Ce
10	3296-2	4	Nut-Lock, NI
11	321-4	2	Screw-HH
12	3253-3	2	Washer-Lock
14	322-4	3	Screw-HH
15	104-1497	2	Hinge-Receiver
16	32105-13	4	Screw-HWH
17	32144-1	6	Screw-Taptite
19	94-6343	1	Decal-Identification, Wire
20	3256-3	3	Washer-Flat

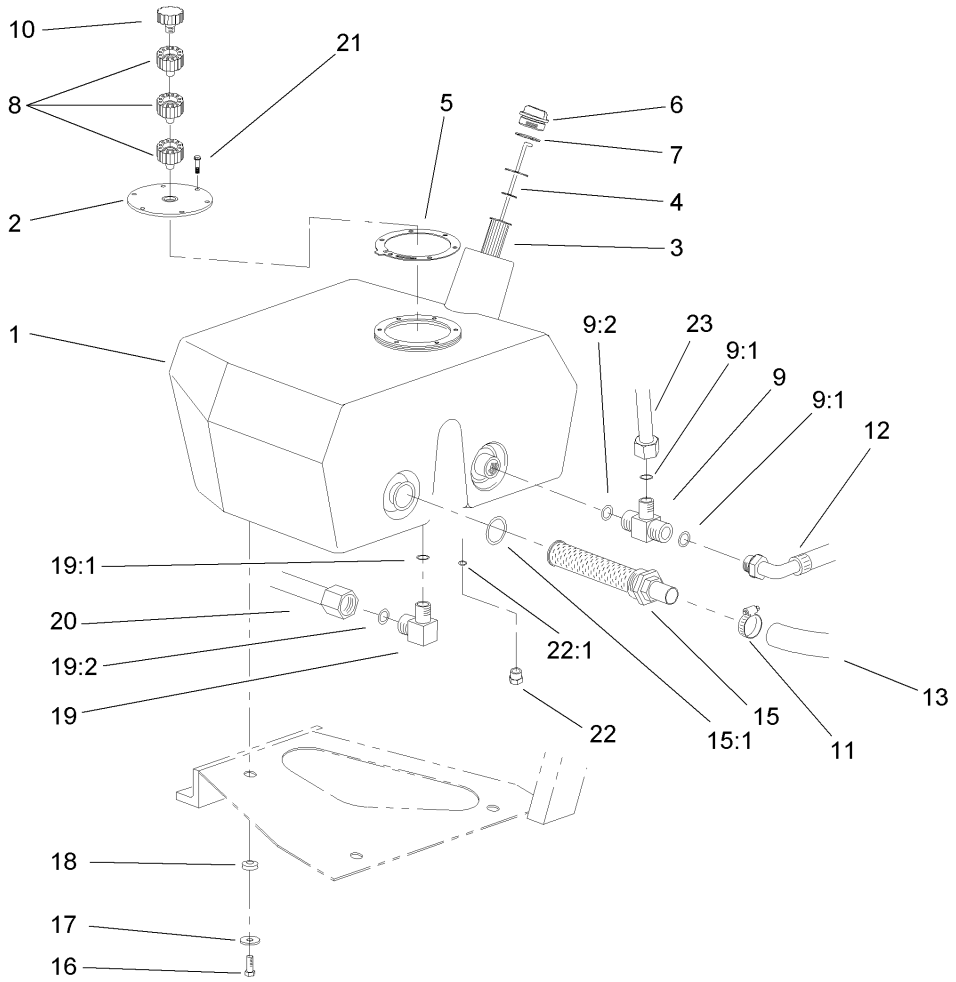
Ref.	Part Number	Qty.	Description
21	94-5626	1	Latch-Draw, Flexible
21:1	103-4080	1	Latch-Rubber
21:2	103-4081	1	Latch-Keeper
22	104-9298	1	Decal-Controller
23	105-0119	1	Harness-Wire, Console
23:1	219-19	1	Lamp-Green
23:2	85-4491	1	Light-Indicator (Includes Lamp)
23:3	94-9157	1	Fuse-Blade, 4 Amp
23:4	114241	1	Fuse-Blade, 7.5 Amp
23:5	218-578	3	Fuse-Blade, 10 Amp
23:6	109355	1	Fuse-Blade, 15 Amp
23:7	109101	1	Fuse-Blade, 20 Amp
26	105-9267	1	Decal-Diagnostic, Control



Control Console and Battery Assembly

Ref.	Part Number	Qty.	Description
1	99-8352	1	Switch-Backlap, Master
1:1	218-498	2	Nut-Lock
1:2	218-588	3	Screw
1:3	218-589	1	Washer
1:4	3253-19	3	Washer-Lock
2	104-1496	2	Hinge-Pin
3	32144-1	4	Screw-Taptite
4	98-9339	1	Gauge-Fuel
4:1	3254-1	3	Washer-Lock, Int
4:2	3217-27	3	Nut-Hex
4:3	105-9265	1	Bulb And Lamp ASM
5	3258-166	2	Screw-PRH
6	112-6561	1	Warning Light ASM
6:1	3254-1	1	Washer-Lock, Int
6:2	3217-27	1	Nut-Hex
6:3	105-9264	4	Bulb And Lamp ASM
8	104-9296	1	Decal-Control
9	98-9308	1	Gauge-Temperature
9:1	3254-1	3	Washer-Lock, Int
9:2	3217-27	3	Nut-Hex
9:3	105-9265	1	Bulb And Lamp ASM
10	104-9251-03	1	Plate-Instrument
11	233-42	1	Knob
12	93-5961	1	Boot-Lever
13	106-4167	1	Joystick Bracket ASM
13:1	115-5357-03	1	Bracket-Joystick

Ref.	Part Number	Qty.	Description
13:2	106-4192	1	Spacer
13:3	93-5547	2	Bushing-Nylon
13:4	105-7507	1	Hub-Pivot, Joystick
13:5	105-8289	1	Spring-Torsion
13:6	106-4193	2	Washer-Finger, Spring
13:7	322-9	1	Screw-HH
13:8	3296-29	1	Nut-Lock, NI
13:9	3290-354	2	Nut-Speed
13:10	108-6496	2	Switch ASM (W/Boot)
13:11	95-3003	4	Screw-PPHTF
13:12	3256-3	1	Washer-Flat
21	3218-3	1	Nut-Jam
22	32128-33	2	Nut-HF
26	105-7508	1	Lever-Joystick
27	3296-29	1	Nut-Lock, NI
28	93-7974-03	1	Plate-Box, Battery
29	3234-5	3	Screw-HHF
30	93-7595	1	Battery Box ASM
31	106-5190	1	Battery
32	105-0114	1	Cable-Battery, Positive
33	105-0115	1	Cable-Battery, Negative
34	93-7968	1	Pad-Foam
35	3339-175	1	Strapping-Web, 48 Inch
36	93-6668	1	Decal-Battery
38	3290-378	2	Tie-Cable

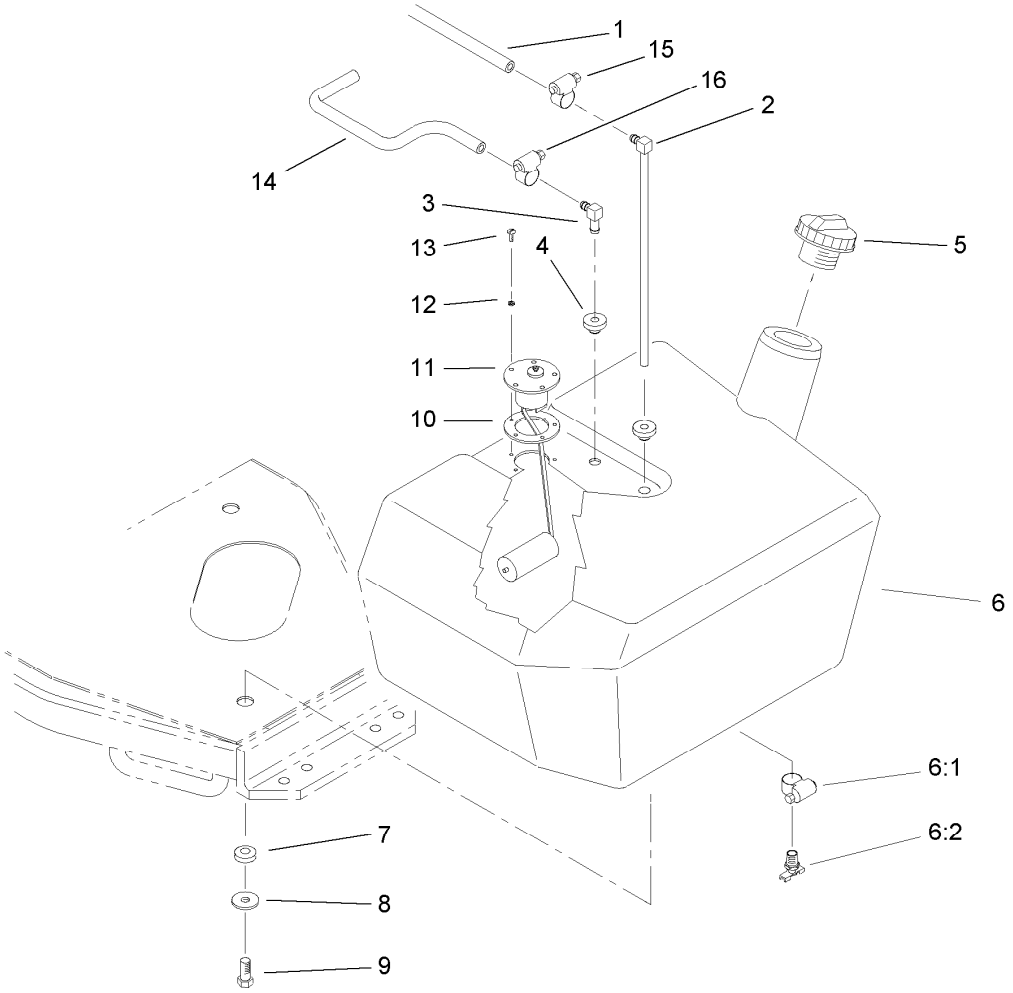


Hydraulic Filter and Reservoir Assembly

Ref.	Part Number	Qty.	Description
1	117-8982	1	Tank-Hydraulic
2	99-2580	1	Cover-Tank
3	61-2790	1	Filter-Screen
4	75-3710	1	Dipstick
5	93-7499	1	Gasket
6	93-7498	1	Plug-Plastic
7	94-8166	1	O-Ring
8	92-8020	3	Adapter-Breather
9	104-3795	1	Fitting-HYD, Tee
9:1	340-65	2	O-Ring
9:2	237-146	1	O-Ring
10	68-6150	1	Breather
11	2412-111	1	Clamp
12	104-3790	1	Pump Return Hose ASM
13	104-3792	1	Hose-Suction

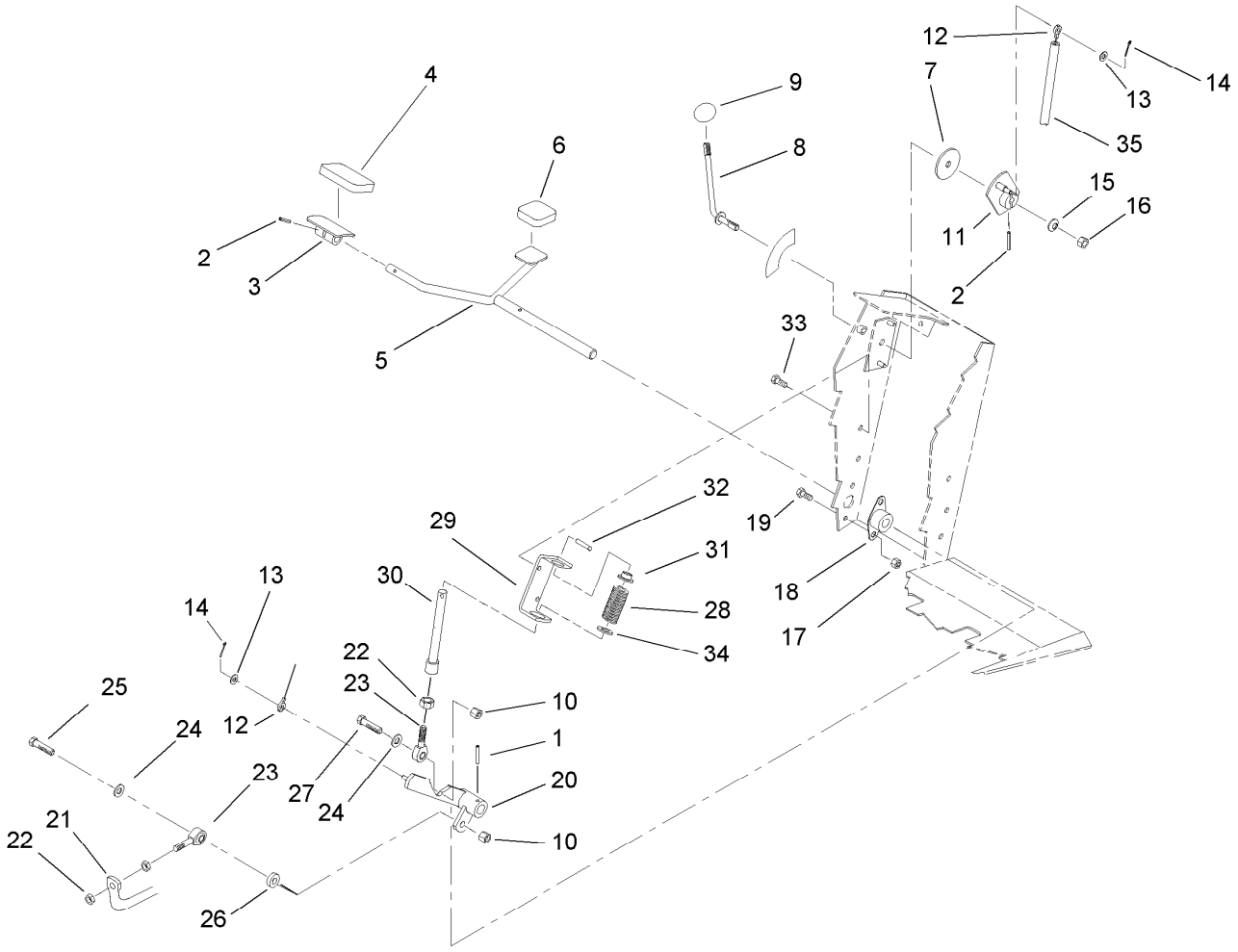
Ref.	Part Number	Qty.	Description
15	105-0131	1	Strainer-Tank, Oil
15:1	340-136	1	O-Ring
16	33105-025	3	Screw-HHF
17	63-8410	3	Washer
18	240-11	3	Bushing-Flange
19	340-98	1	Fitting-HYD, 90 DEG
19:1	237-79	1	O-Ring
19:2	237-30	1	O-Ring
20	92-7478	1	RH Motor Tube ASM
21	33104-020	6	Screw-HHF
22	353-508	1	Plug
22:1	237-42	1	O-Ring
23	104-3748	1	HYD Tank Tube ASM
23:1	340-65	1	O-Ring ●

● Not illustrated



Fuel Tank Assembly

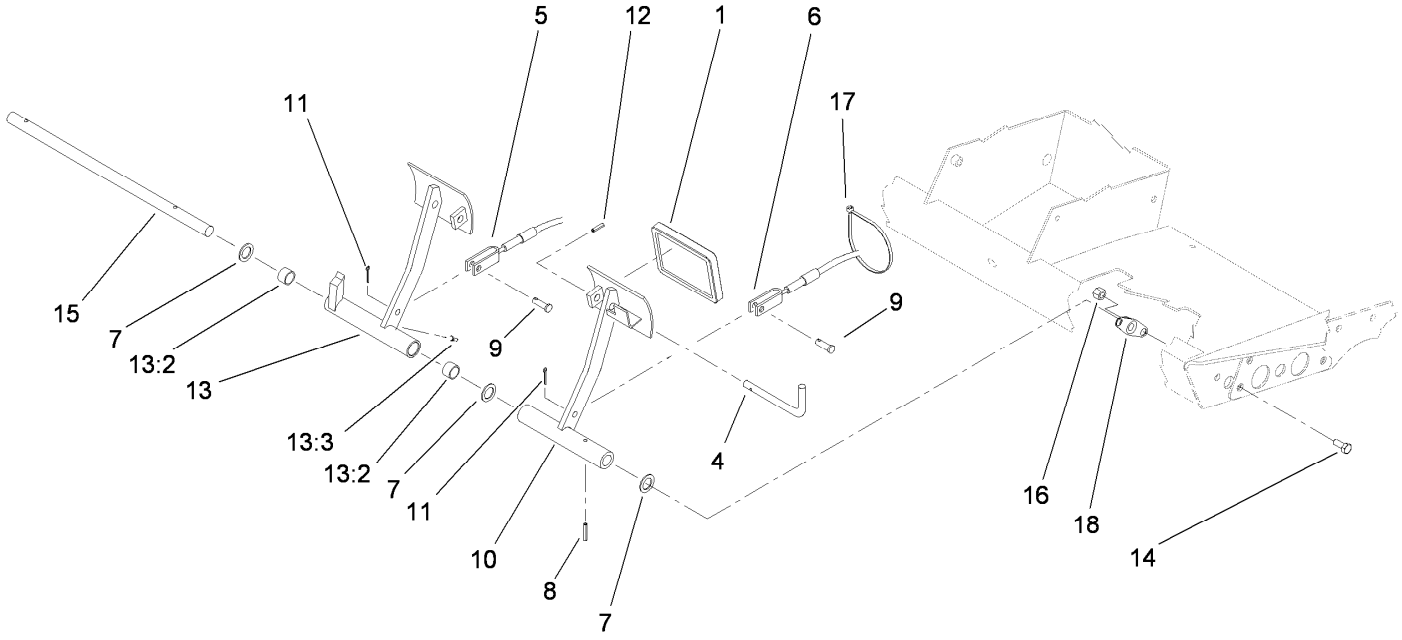
Ref.	*Part Number*	*Qty.*	*Description*
1	115-2038	1	Hose-Fuel
2	110-9689	1	Pipe-Stand
3	104-5228	1	Fitting-Elbow, 90 DEG
4	46-6560	2	Bushing
5	115-5305	1	Cap-Fuel
6	105-7949	1	Tank-Fuel
6:1	2412-36	1	Clamp-Hose
6:2	304-46	1	Draincock
7	240-11	3	Bushing-Flange
8	63-8410	3	Washer
9	33105-025	3	Screw-HHF
10	62-7650	1	Gasket
11	63-7640	1	Sender-Fuel
12	3253-15	5	Washer-Lock
13	32122-24	5	Screw-PTH
14	110-4102	1	Hose-Fuel
15	92-2379	1	Clamp-Hose
16	2412-80	1	Clamp-Line, Fuel



Traction Pedal Assembly

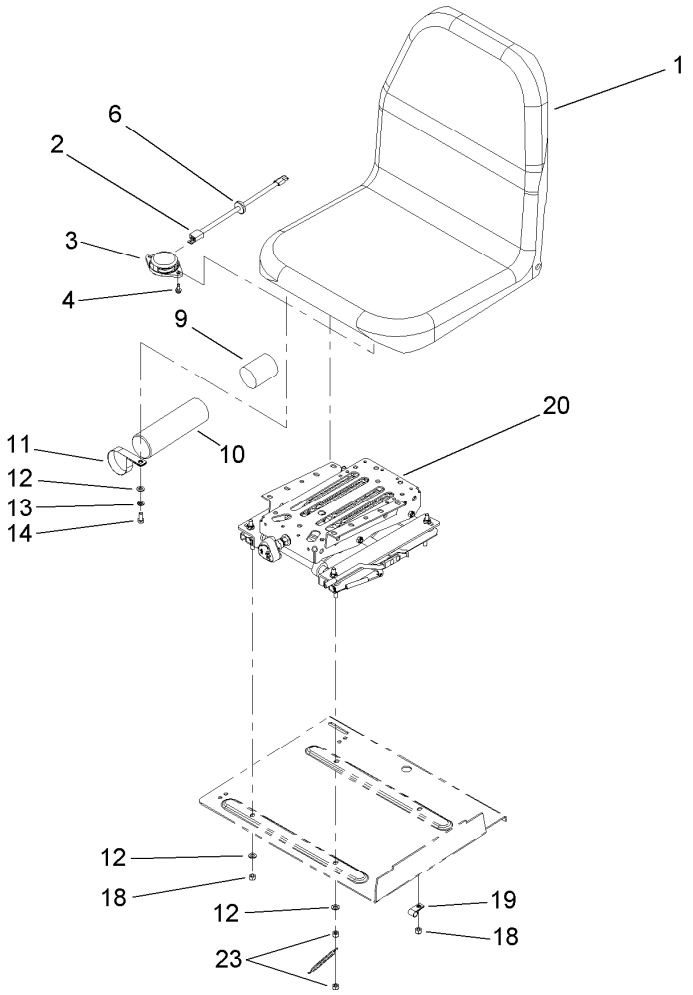
Ref.	Part Number	Qty.	Description
1	32121-6	1	Pin-Roll, Slotted
2	32121-45	2	Pin-Spring
3	49-6440-03	1	Pedal-Forward
4	74-9100	1	Pad-Pedal, Forward
5	75-2970	1	Pedal-Traction
6	74-9110	1	Pad-Pedal, Reverse
7	75-6550	1	Disc-Friction
8	75-6490	1	Lever ASM
9	233-42	1	Knob
10	3296-59	2	Nut-Lock, NI
11	112-5084	1	Bracket-Lever
12	75-6580	1	Cable-Pedal
13	3256-22	2	Washer-Flat
14	3272-2	2	Pin-Cotter
15	3290-461	1	Washer-Spring
16	3296-59	1	Nut-Lock, NI
17	32128-20	4	Nut-HF
18	256-236	2	Bearing-Mount, Flange

Ref.	Part Number	Qty.	Description
19	322-3	4	Screw-HH
20	75-3270-03	1	Hub-Pivot, Traction
21	100-3893-03	1	Tube-Control, Pump
22	3220-3	3	Nut-HJ
23	2411-36	2	Bearing-End, Rod
24	3256-24	2	Washer-Flat
25	323-8	1	Screw-HH
26	5-0652	1	Spacer
27	323-29	1	Screw-HH
28	60-5700	1	Spring
29	92-7608-03	1	Bracket-Spring
30	92-7609	1	Shaft-Spring
31	92-7610	1	Retainer-Spring
32	32121-11	1	Pin-Roll
33	32144-14	2	Screw-HWHTF
34	3256-5	1	Washer-Flat
35	95-7151	1	Tube-Convoluted



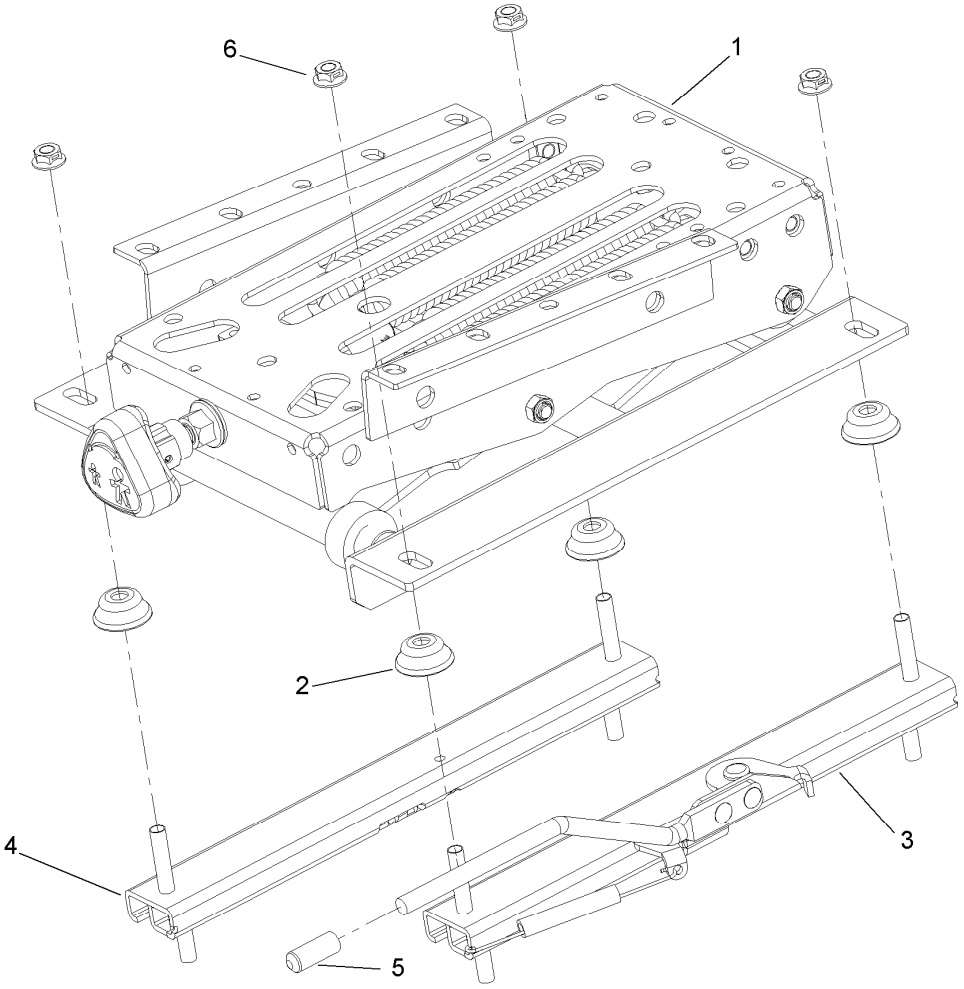
Brake Pedal Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	93-8742	2	Footpad-Brake
4	63-7880	1	Pin-Latch, Brake
5	92-7530	1	LH Brake Cable ASM
6	92-7529	1	RH Brake Cable ASM
7	3256-69	3	Washer-Flat
8	32121-16	1	Pin-Spring
9	283-58	2	Pin-Clevis
10	75-1440-03	1	LH Brake Pedal ASM
11	3272-10	2	Pin-Cotter
12	32121-50	1	Pin-Spring
13	75-1430	1	Pedal-Brake, RH
13:2	256-42	2	Bushing
13:3	302-5	1	Fitting-Grease
14	322-3	4	Screw-HH
15	75-1470	1	Pin-Pivot, Brake
16	32128-20	4	Nut-HF
17	3290-378	1	Tie-Cable
18	256-236	2	Bearing-Mount, Flange



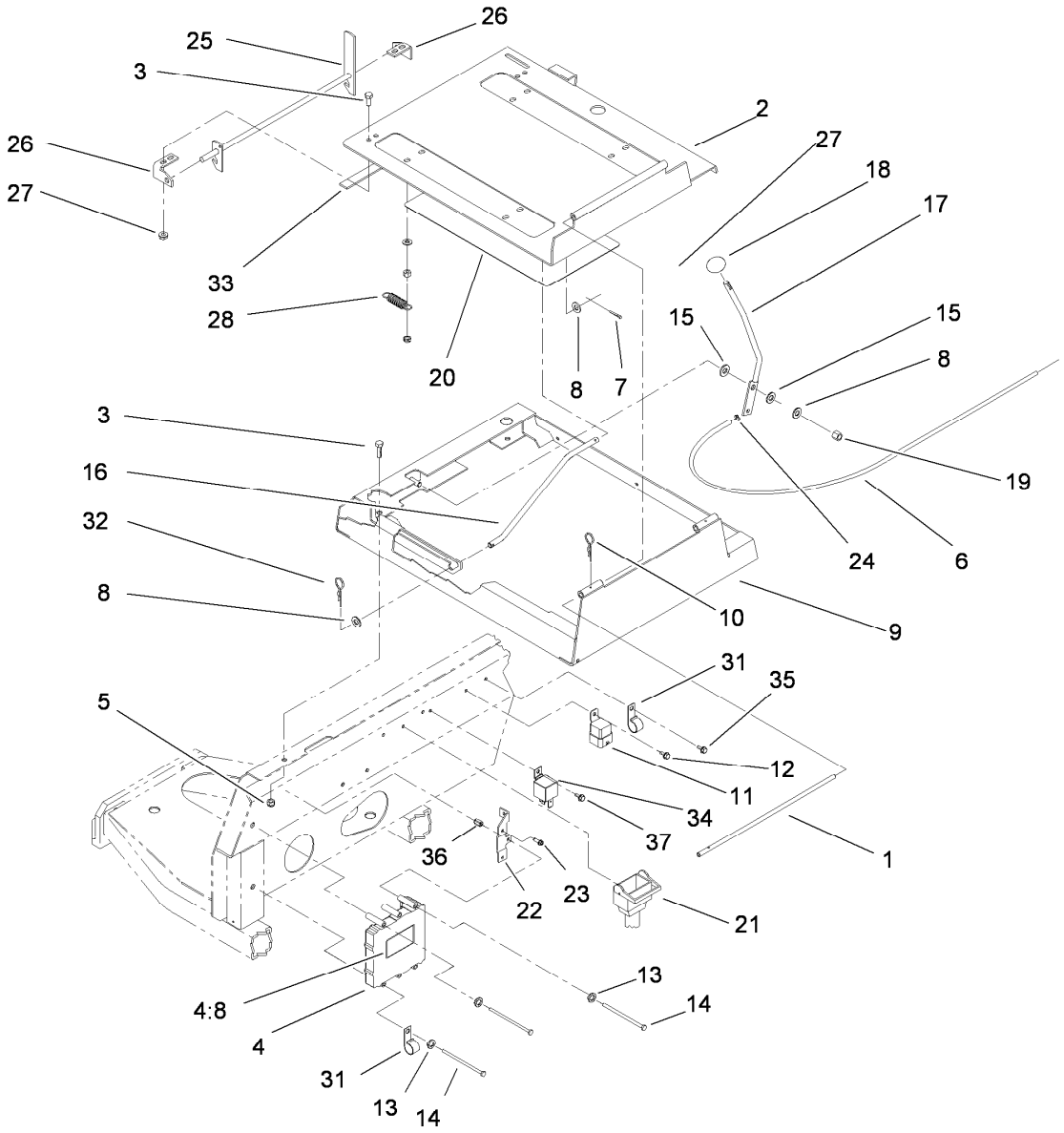
Seat and Suspension Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	104-4620	1	Seat
2	106-7090	1	Harness-Wire, Seat Switch
3	112-6566	1	Switch-Seat
4	32144-10	2	Screw-HWH
6	240-5	1	Grommet
9	104-7048	1	Cap-Housing
10	104-7050	1	Tube-Manual
11	2412-133	2	R-Clamp
12	3256-23	8	Washer-Flat
13	3253-4	4	Washer-Lock
14	322-3	4	Screw-HH
18	3296-29	3	Nut-Lock, NI
19	2412-93	1	Clamp-R
20	110-9730	1	Seat Suspension ASM
23	3296-47	3	Nut-Lock, NI



Seat Suspension Assembly No. 110-9730

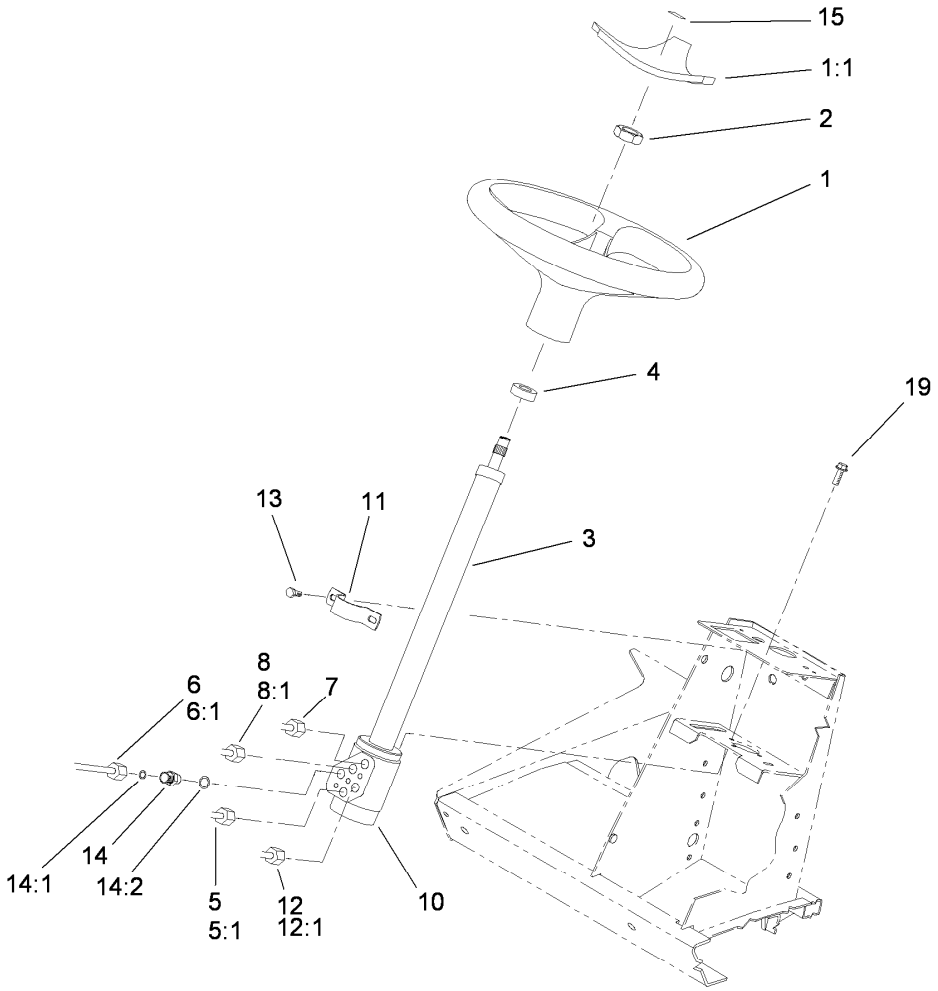
Ref.	*Part Number*	*Qty.*	*Description*
1	110-9737	1	Suspension-Seat
2	108-6704	4	Spacer-Suspension
3	108-6702	1	Adjuster-Seat, W/Handle
4	108-6703	1	Adjuster-Seat
5	75-3570	1	Tip-Vinyl
6	32128-25	4	Nut-HF



Seat Frame and Throttle Assembly

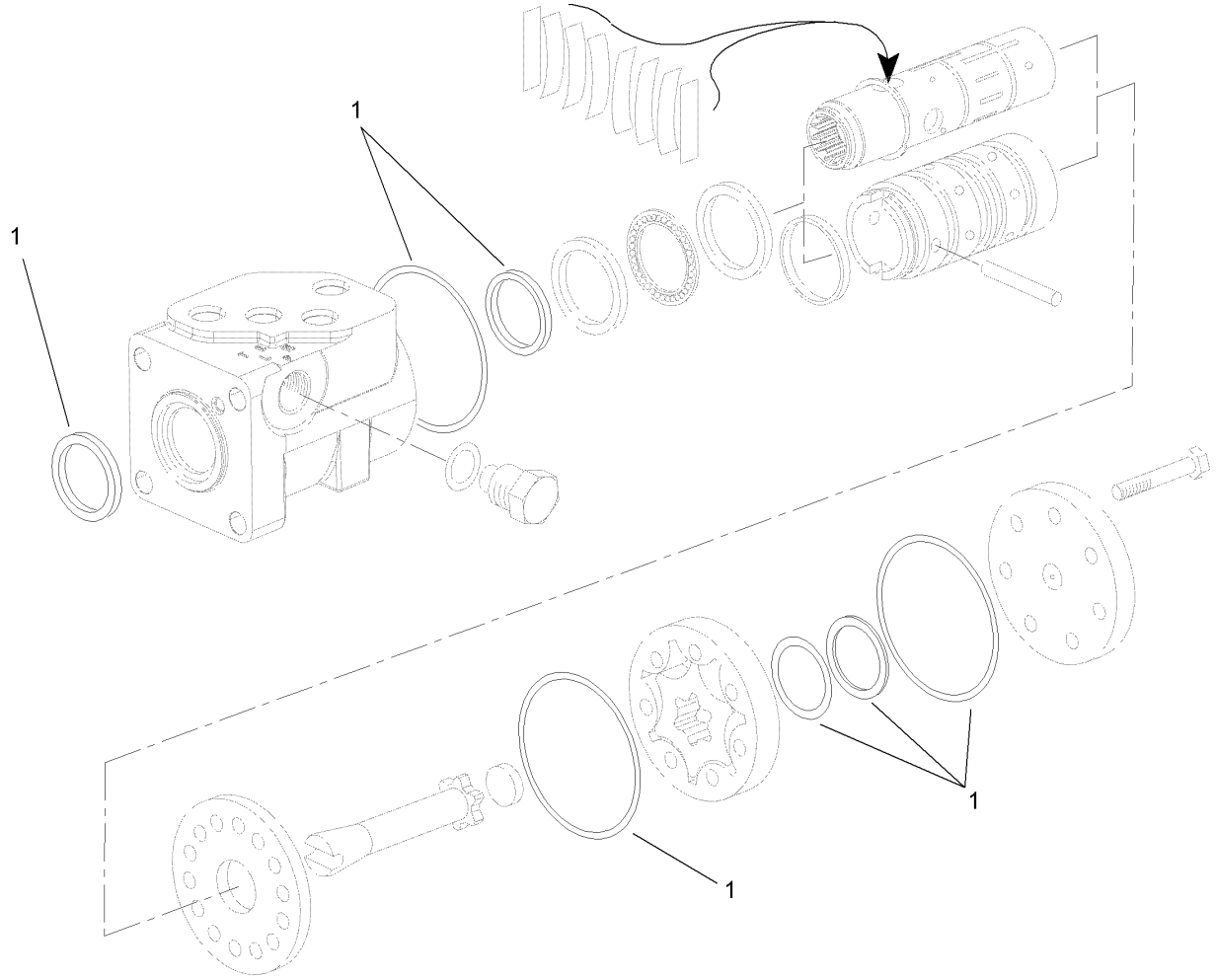
Ref.	Part Number	Qty.	Description
1	75-3400	1	Shaft-Pivot, Seat
2	110-0453-03	1	Seat Plate ASM
3	322-3	8	Screw-HH
4	92-5720	1	Controller
4:8	93-8053	1	Decal
5	3296-29	4	Nut-Lock, NI
6	105-0102	1	Cable-Throttle
7	3272-10	1	Pin-Cotter
8	3256-24	3	Washer-Flat
9	98-2352-03	1	Frame-Seat
10	3290-467	1	Pin-Hair
11	70-1480	1	Relay
12	32144-10	1	Screw-HWH
13	3253-3	3	Washer-Lock
14	321-14	3	Screw-HH
15	66-2920	2	Washer-Friction
16	75-3690-03	1	Rod-Frame, Seat
17	93-7598	1	Lever-Throttle
18	233-42	1	Knob

Ref.	Part Number	Qty.	Description
19	3296-39	1	Nut-Lock, NI
20	115-2049	1	Decal-Solenoid Information, Ce
21	114-3976	1	Harness-Wire
22	106-7789-03	1	Bracket-Controller
23	49-2040	2	Screw-HWHTF
24	52-5910	1	Ring-Retaining
25	98-2354-03	1	Latch-Seat
26	98-2353	2	Bracket-Latch, Seat
27	32128-25	4	Nut-HF
28	66-4190	1	Spring-Idler, Clutch
31	2412-150	2	Clip-J
32	3290-307	1	Pin-Hair
33	94-8146	1	Strip-Foam
34	99-7435	1	Relay-Power
35	32144-11	1	Screw-HWHTF
36	32148-6	1	Insert-Nut
37	32144-1	1	Screw-Taptite



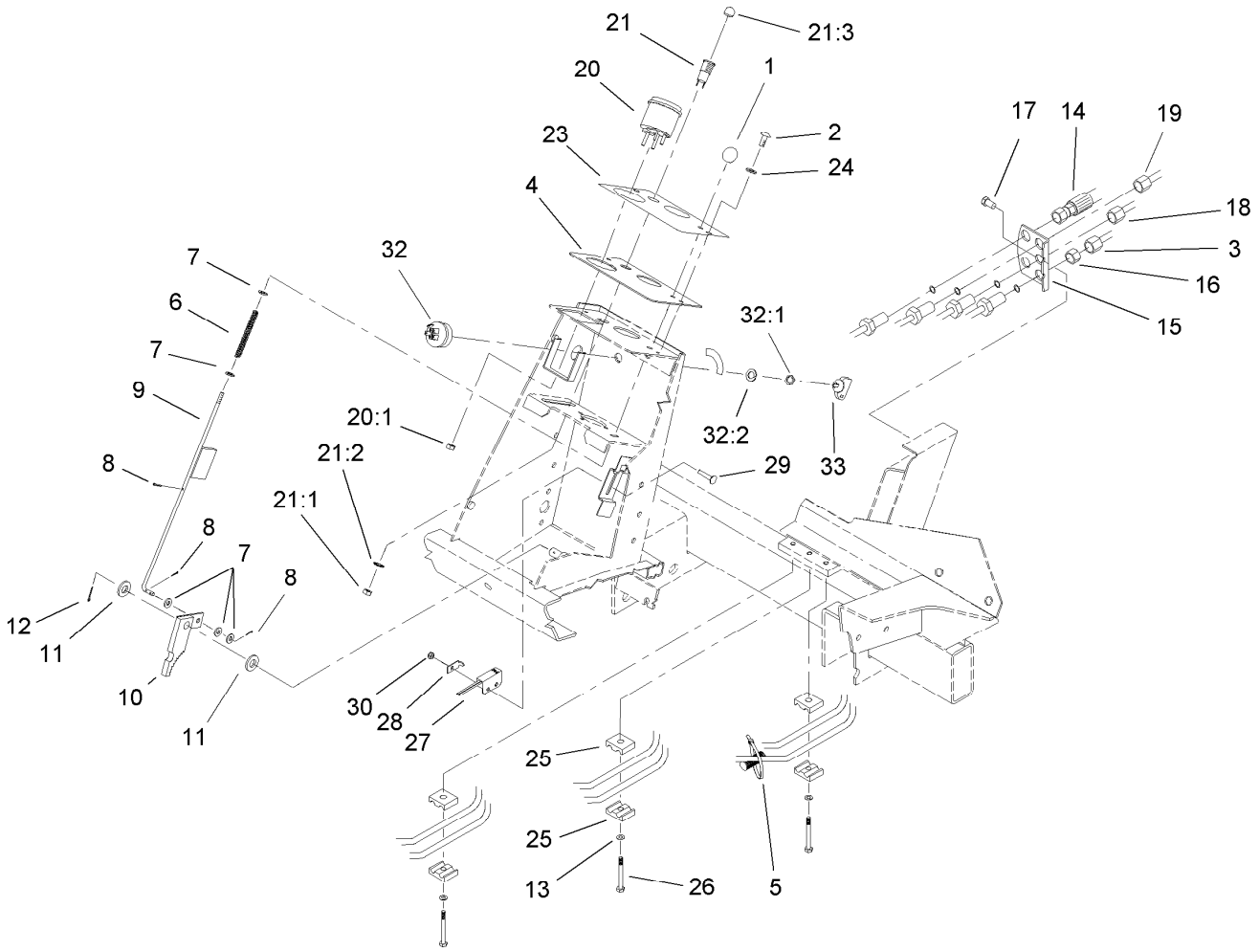
Steering Wheel Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	98-1471	1	Wheel-Steering
1:1	98-1468	1	Cover-Wheel, Steering
2	107-2562	1	Nut-Hex
3	94-9951	1	Column-Steering
4	21-9260	1	Cover-Dust
5	94-3059	1	HYD Tube ASM
5:1	237-22	1	O-Ring
6	104-3733	1	Front In Straight Tube ASM
6:1	237-22	1	O-Ring
7	104-3737	1	Front Out Straight Tube ASM
8	94-3060	1	HYD Tube ASM
8:1	237-22	1	O-Ring
10	114-5073	1	Steering Control ASM
11	75-2810	1	Bracket-Column, Steering
12	94-3071	1	HYD Tube ASM
12:1	237-22	1	O-Ring
13	3234-7	2	Screw-HHF
14	340-2	5	Fitting-HYD, Straight
14:1	237-22	1	O-Ring
14:2	237-42	1	O-Ring
15	98-1459	1	Decal
19	33103-020	3	Screw-HHF



Steering Valve Assembly No. 114-5073

Ref.	*Part Number*	*Qty.*	*Description*
1	108-1519	1	Seal Kit



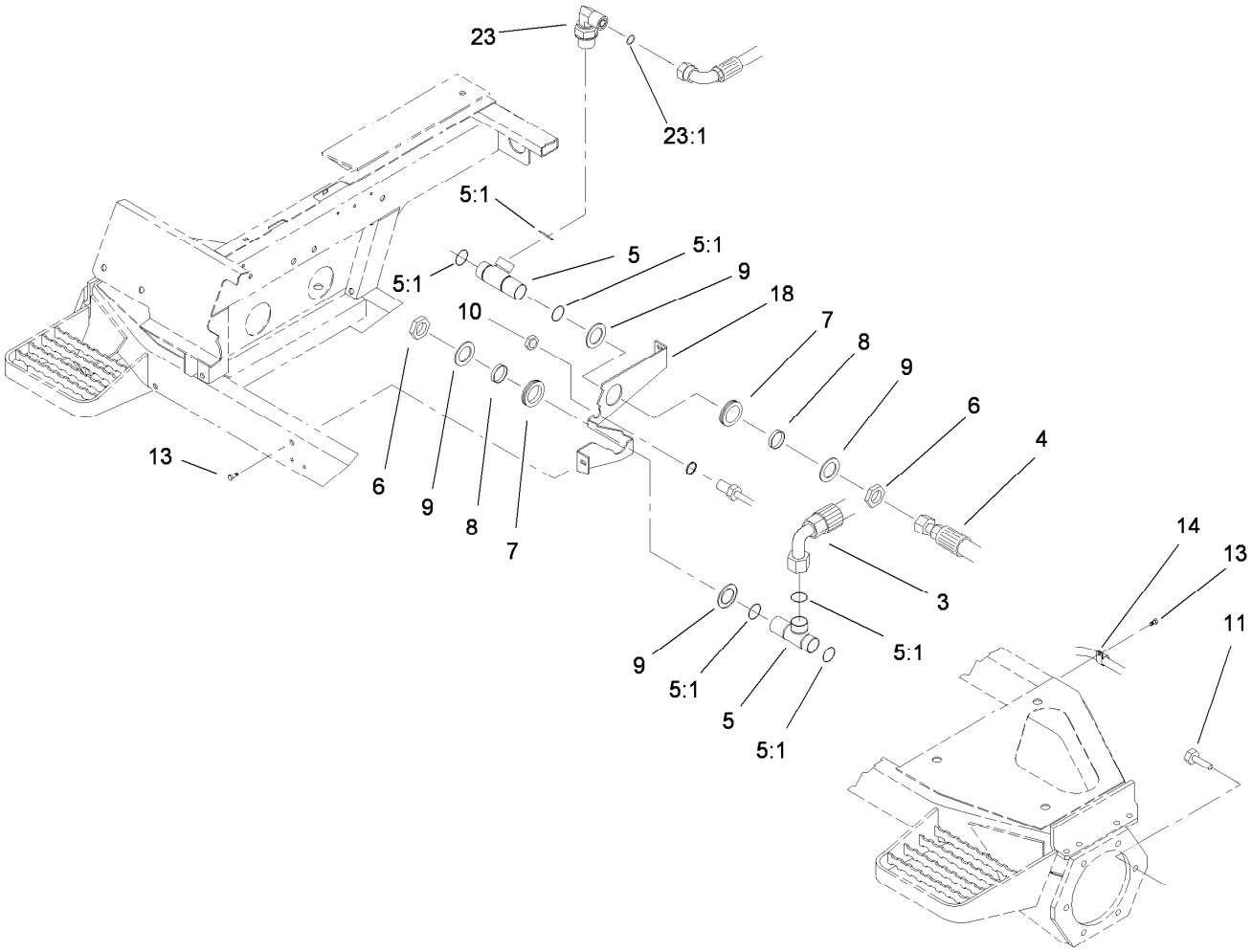
Steering Tower Assembly

Ref.	Part Number	Qty.	Description
1	233-17	1	Knob
2	87-6620	2	Screw
3	104-3738	1	HYD Tube ASM
3:1	237-22	2	O-Ring ●
4	93-7998-03	1	Plate-Instrument
5	3290-379	1	Tie-Cable
6	95-1821-03	1	Spring-Compression
7	3256-22	5	Washer-Flat
8	3272-5	3	Pin-Cotter
9	104-1492	1	Rod ASM
10	63-7900-03	1	Rack ASM
11	3256-26	2	Washer-Flat
12	3272-10	1	Pin-Cotter
13	3256-23	3	Washer-Flat
14	105-7926	1	Steering Hose ASM
15	92-7606-03	1	Bracket-Bulkhead
16	340-70	4	Nut-Lock
17	32144-14	2	Screw-HWHTF
18	104-3745	1	RH Rear Straight Tube ASM
18:1	237-22	1	O-Ring ●
19	104-3746	1	Rear In Straight Tube ASM

Ref.	Part Number	Qty.	Description
19:1	237-22	1	O-Ring ●
20	105-3304	1	Speedometer
20:1	3296-1	4	Nut-Lock
21	44-2210	1	Light-Indicator, Red
21:1	218-535	1	Nut-Hex
21:2	218-536	1	Washer-Lock
21:3	218-533	1	Lens
21:4		1	Bulb ■
23	93-1263	1	Decal-Tower
24	3256-1	2	Washer-Flat
25	56-7973	6	Clamp-Tube
26	322-6	3	Screw-HH
27	100-1270	1	Switch-Proximity
28	100-4872	1	Plate-Switch, Neutral
29	3229-34	1	Screw-CARR
30	3296-2	1	Nut-Lock, NI
32	104-2541	1	Switch ASM
32:1	218-461	1	Nut-HH
32:2	3254-5	1	Washer-Tooth, Internal
33	63-8360	2	Key-Ignition

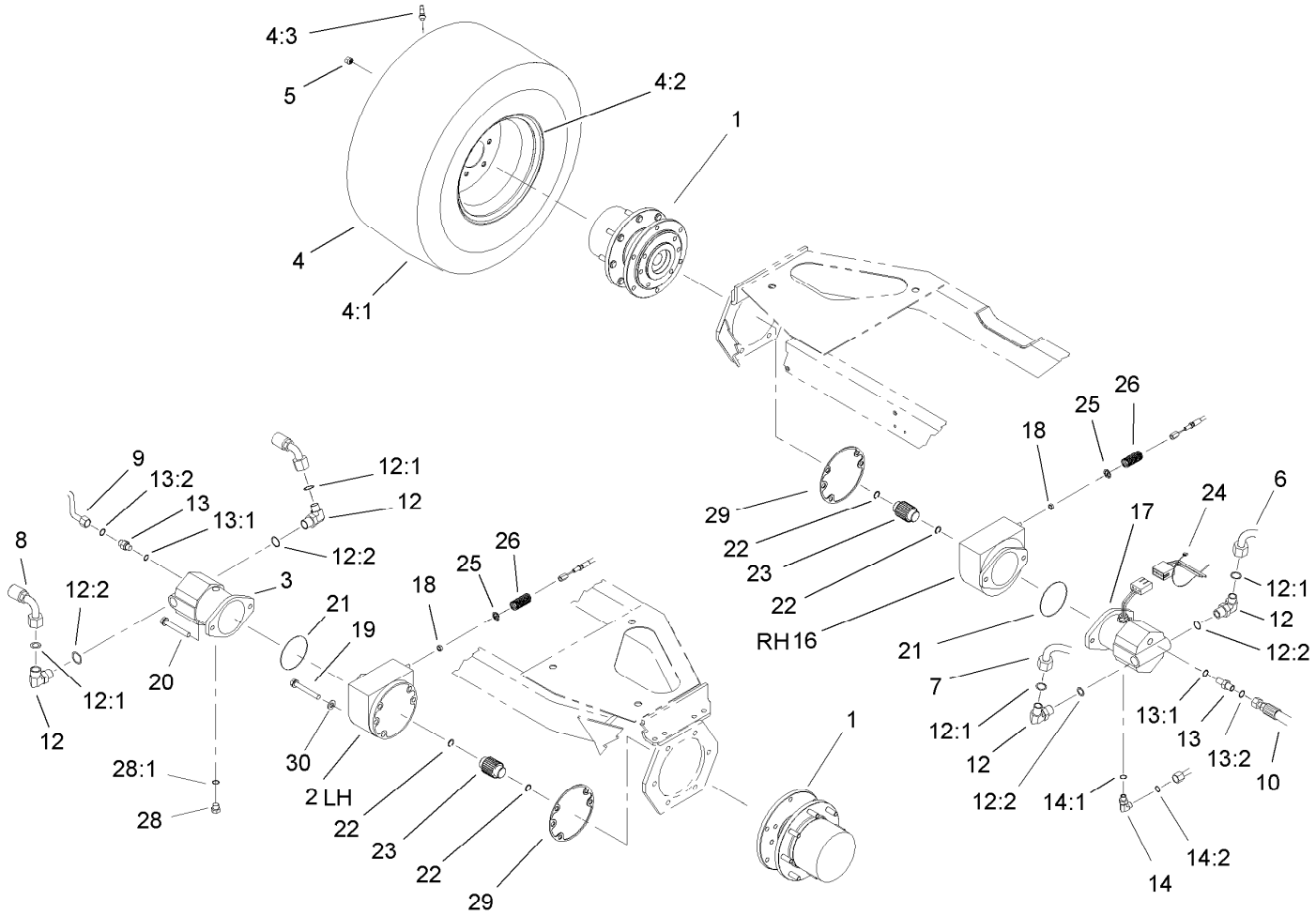
● Not illustrated

■ Not serviced separately



Front Hydraulic Drive Assembly

Ref.	*Part Number*	*Qty.*	*Description*
3	105-7922	1	Hyd Hose ASM
4	92-7486	1	HYD Hose ASM
5	92-7550	2	Fitting-Tee, Bulkhead
5:1	340-65	3	O-Ring
6	340-128	2	Nut-Bulkhead
7	240-2	2	Grommet-Rubber
8	69-8950	2	Spacer
9	69-8920	4	Washer
10	340-127	1	Nut-Bulkhead
11	33106-030	12	Screw-HHF
13	32144-14	5	Screw-HWHTF
14	2412-93	2	Clamp-R
18	92-7455-03	1	Plate-Bulkhead
23	92-7645	1	Fitting-Swivel, 90 DEG
23:1	340-65	1	O-Ring

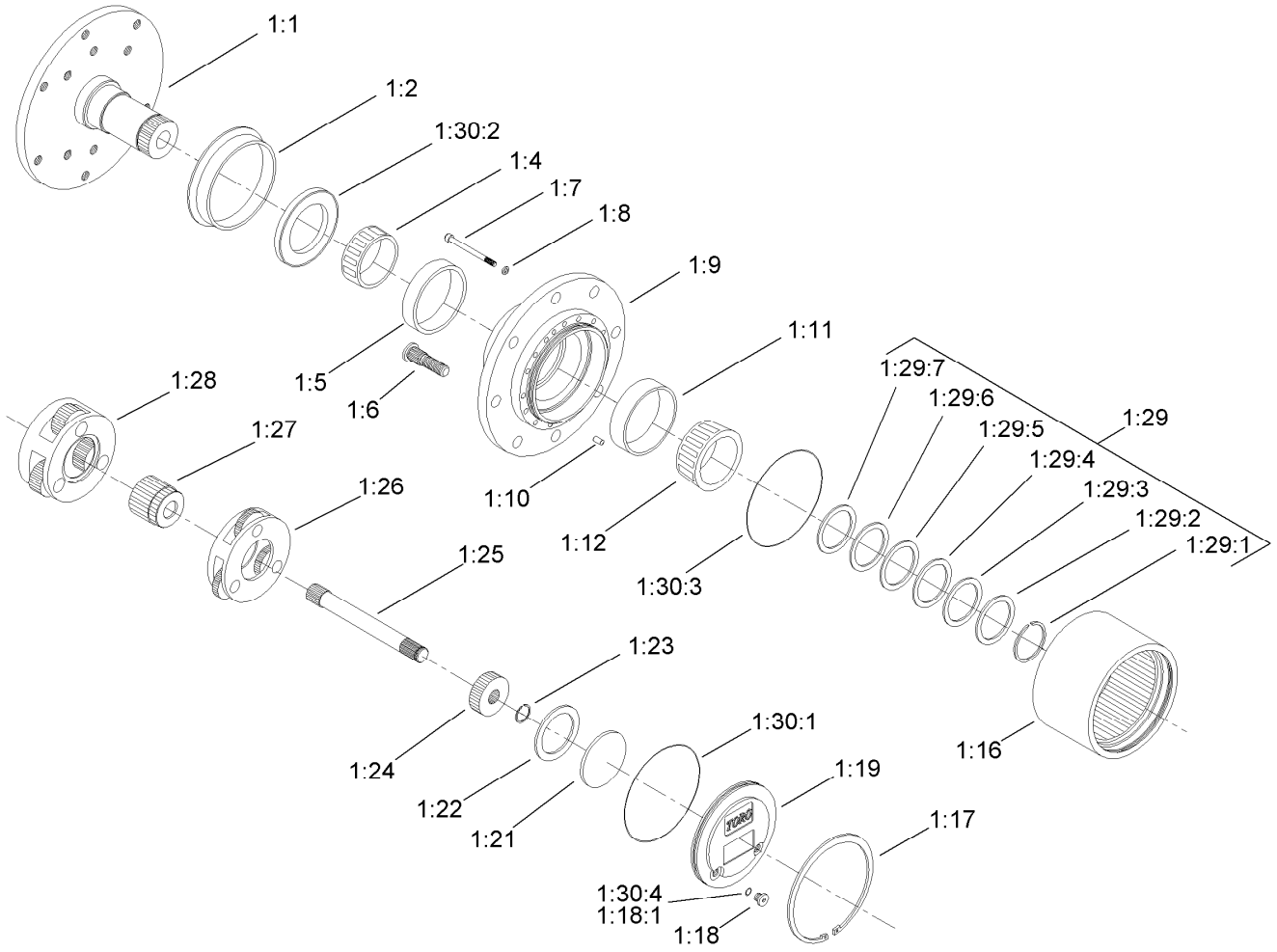


Front Axle and Brake Assembly

Ref.	Part Number	Qty.	Description
1	105-4500-03	2	Planetary ASM
2	100-3070-03	1	Brake ASM
3	92-7385	1	HYD Motor ASM
4		2	Wheel And Tire ASM ●
4:1	95-3465	1	Tire
4:2	115-8037	1	Wheel
4:3	232-24	1	Stem-Valve
5	92-7483	16	Nut-Lug
6	92-7475	1	Traction Tube ASM
7	92-7476	1	Traction Tube ASM
8	92-7487	1	HYD Hose ASM
9	92-7477	1	Motor Drain Tube ASM
10	92-7488	1	HYD Hose ASM
12	340-142	4	Fitting-HYD, 90 DEG
12:1	237-58	1	O-Ring
12:2	237-81	1	O-Ring
13	340-5	2	Fitting-Straight
13:1	237-42	1	O-Ring
13:2	237-30	1	O-Ring

Ref.	Part Number	Qty.	Description
14	340-98	1	Fitting-HYD, 90 DEG
14:1	237-79	1	O-Ring
14:2	237-30	1	O-Ring
16	100-3069-03	1	Brake ASM
17	93-7476	1	HYD Motor ASM
18	3218-4	2	Nut-Jam
19	33106-090	8	Screw-HHF
20	33116-120	4	Screw-HH
21	237-166	2	O-Ring
22	93-7972	4	Ring-Retaining, Internal
23	100-3046	2	Shaft-Brake, Splined
24	3290-378	2	Tie-Cable
25	94-3050	2	Plate-Spring
26	94-3088	2	Spring-Compression
28	353-550	1	Plug-HYD, HH
28:1	237-79	1	O-Ring
29	93-7984	2	Gasket
30	3256-26	4	Washer-Flat

● Not serviced separately



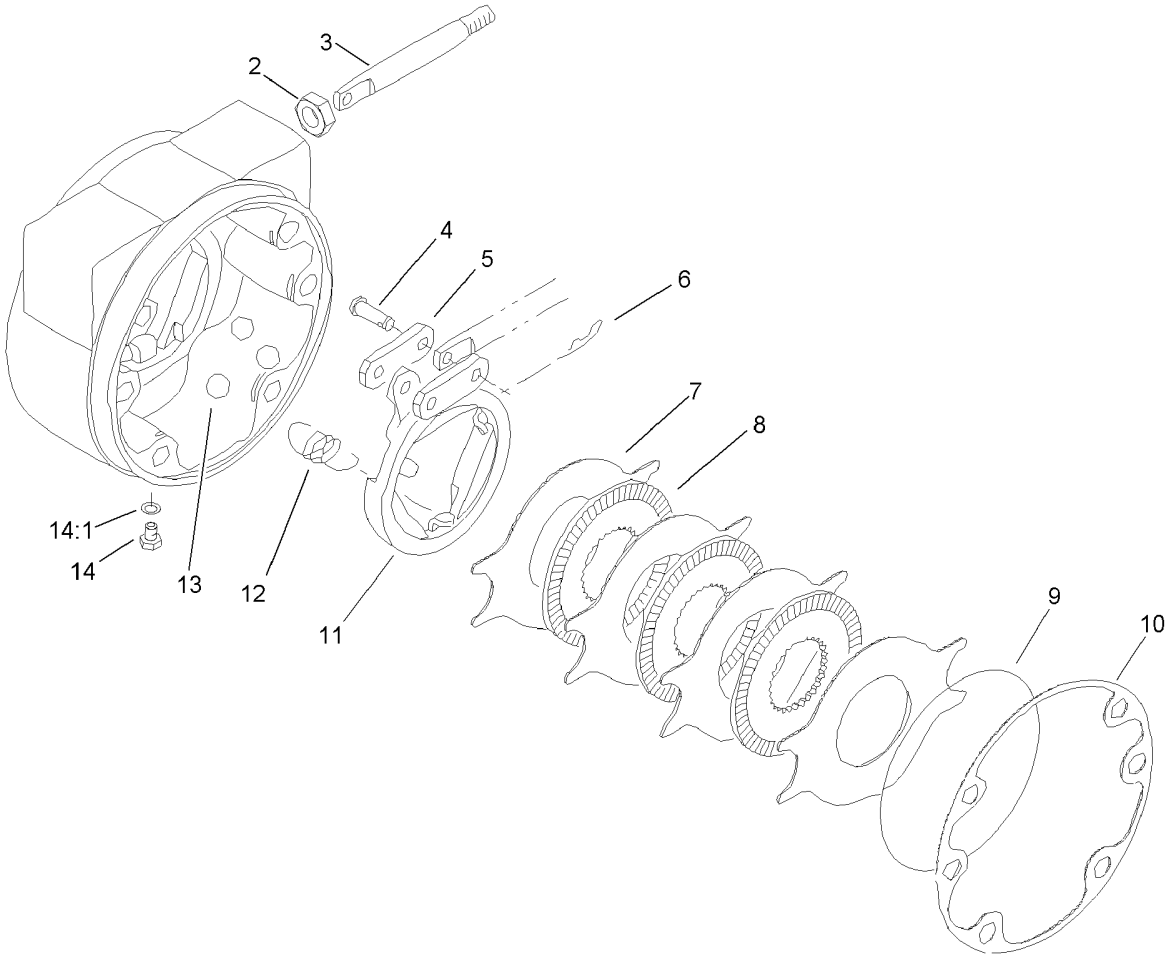
Planetary Assembly No. 105-4500-03

Ref.	Part Number	Qty.	Description
1:1		1	Spindle ■
1:2	105-8122	1	Seal-Boot
1:4	105-8120	1	Bearing-Cone
1:5	105-8119	1	Bearing-Cup
1:6	105-8124	8	Stud-Wheel
1:7	105-8125	16	Bolt-Head, Socket
1:8	3253-18	16	Washer-Lock
1:9		1	Housing ■
1:10	105-8121	1	Pin-Dowel
1:11	105-8117	1	Bearing-Cup
1:12	105-8118	1	Bearing-Cone
1:16	105-8113	1	Gear-Ring
1:17	105-8132	1	Ring-Retaining
1:18	353-990	2	Plug
1:18:1	237-78	1	O-Ring
1:19	105-8138	1	Cap-End
1:21	105-8133	1	Plug-Thrust
1:22	105-8123	1	Washer-Thrust
1:23	105-8131	1	Ring-Retaining

Ref.	Part Number	Qty.	Description
1:24	105-8114	1	Gear-Primary
1:25	105-8115	1	Shaft-Drive
1:26	105-8129	1	Primary Carrier ASM
1:27	105-8139	1	Gear-Secondary
1:28	105-8130	1	Secondary Carrier ASM
1:29	105-8136	1	Shim Kit
1:29:1		1	Ring-Snap ■
1:29:2		1	Shim-Bearing, 2.9Mm ■
1:29:3		1	Shim-Bearing, 2.8Mm ■
1:29:4		1	Shim-Bearing, 2.7Mm ■
1:29:5		1	Shim-Bearing, 2.6Mm ■
1:29:6		1	Shim-Bearing, 2.5Mm ■
1:29:7		1	Shim-Bearing, 2.4Mm ■
1:30	105-8137	1	Seal Kit ●
1:30:1		1	O Ring-Flange Cap ■
1:30:2		1	Seal-Oil ■
1:30:3		2	O Ring-End Cap ■
1:30:4	237-78	2	O-Ring

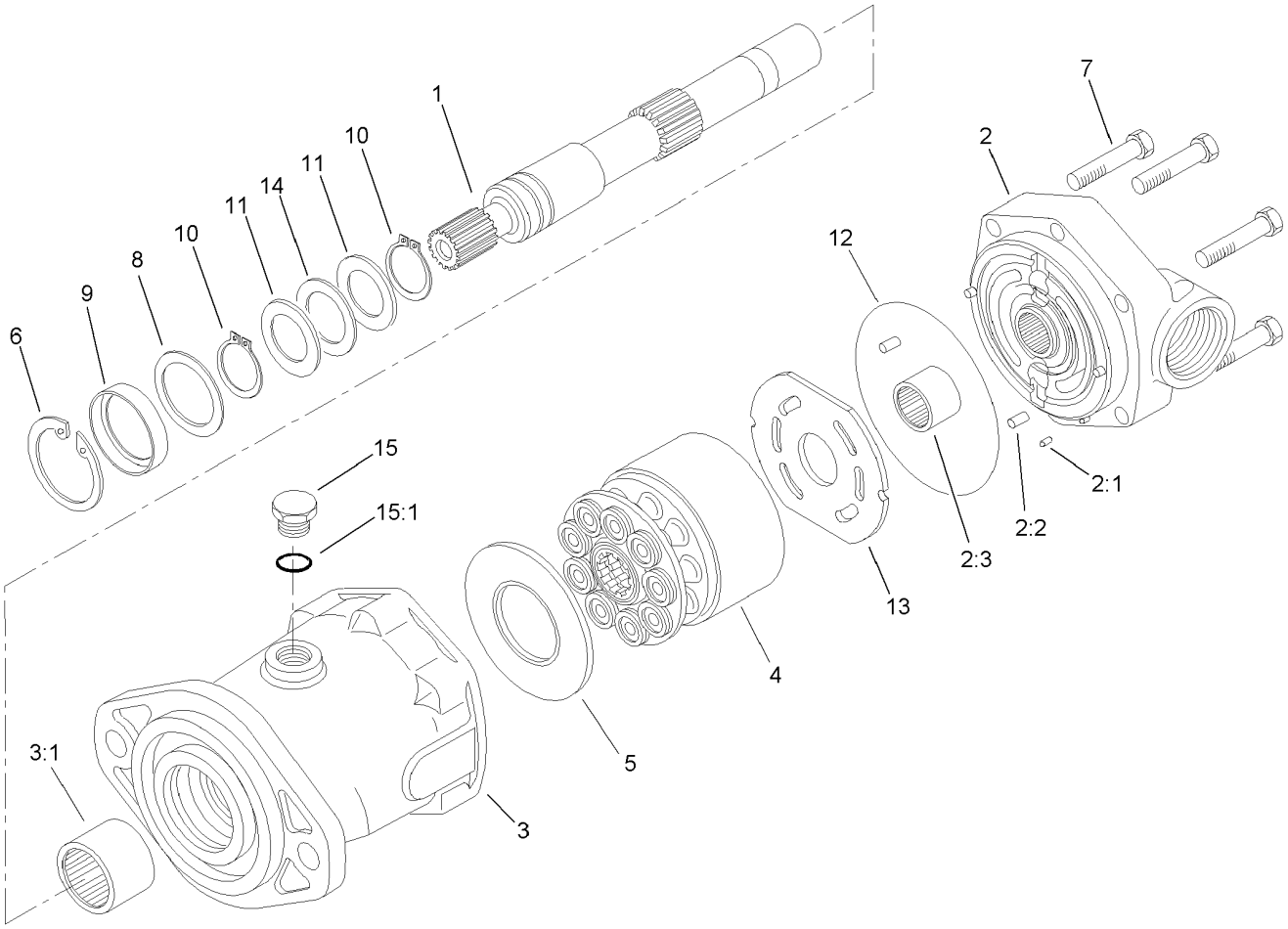
● Not illustrated

■ Not serviced separately



Brake Assembly No. 100-3070-03

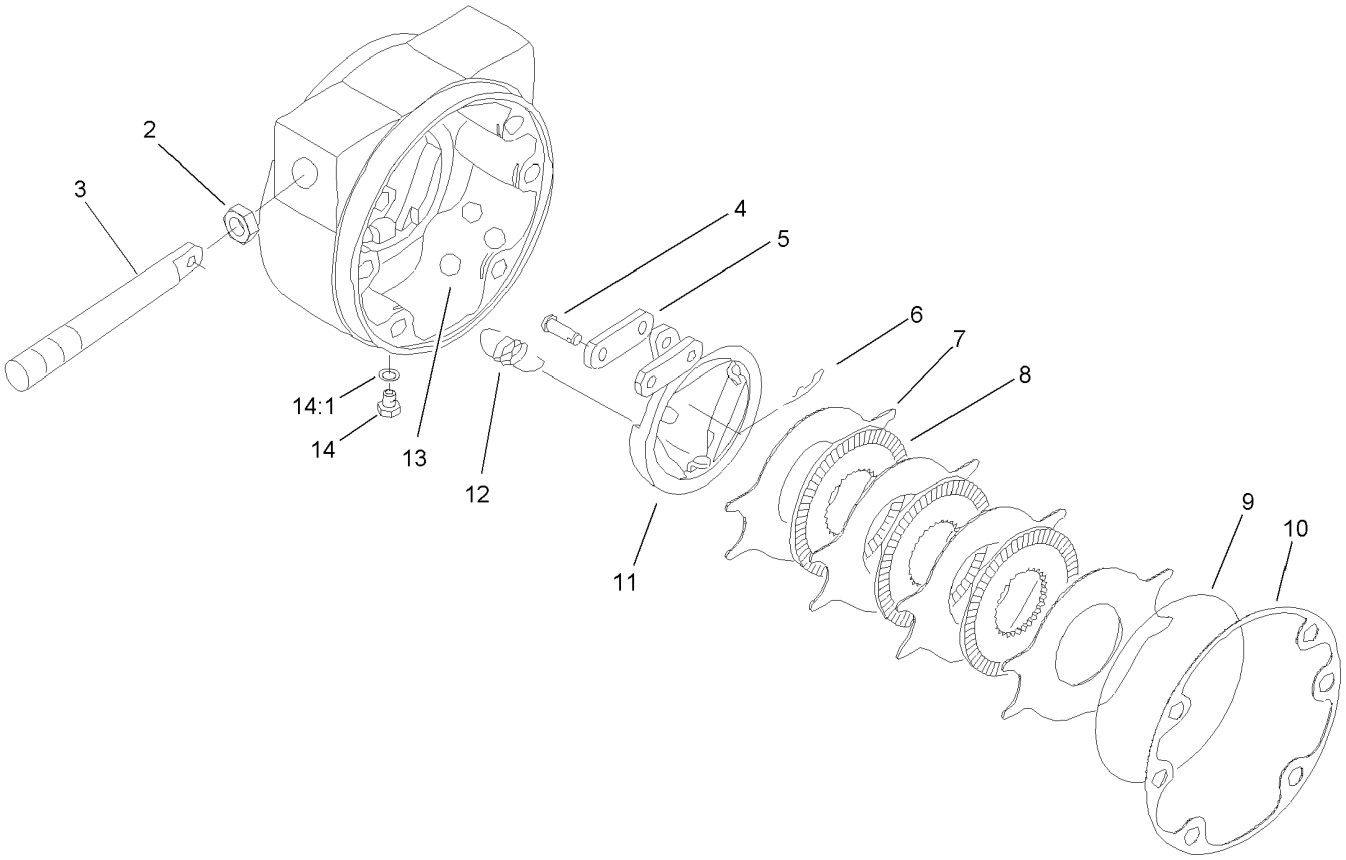
Ref.	*Part Number*	*Qty.*	*Description*
2	93-7977	1	Seal
3	93-7978	1	Rod-Pull
4	93-7983	2	Pin-Clevis
5	93-7980	2	Link
6	93-7979	2	Pin-Hitch
7	93-7986	4	Disc-Stationary
8	104-4278	3	Disc-Rotating
9	93-7976	1	Ring-Retaining
10	93-7984	1	Gasket
11	104-4279	1	Actuator-Rotating
12	93-7987	3	Spring-Extension
13	93-7985	3	Ball
14	353-990	2	Plug
14:1	237-78	1	O-Ring



Hydraulic Motor Assembly No. 92-7385

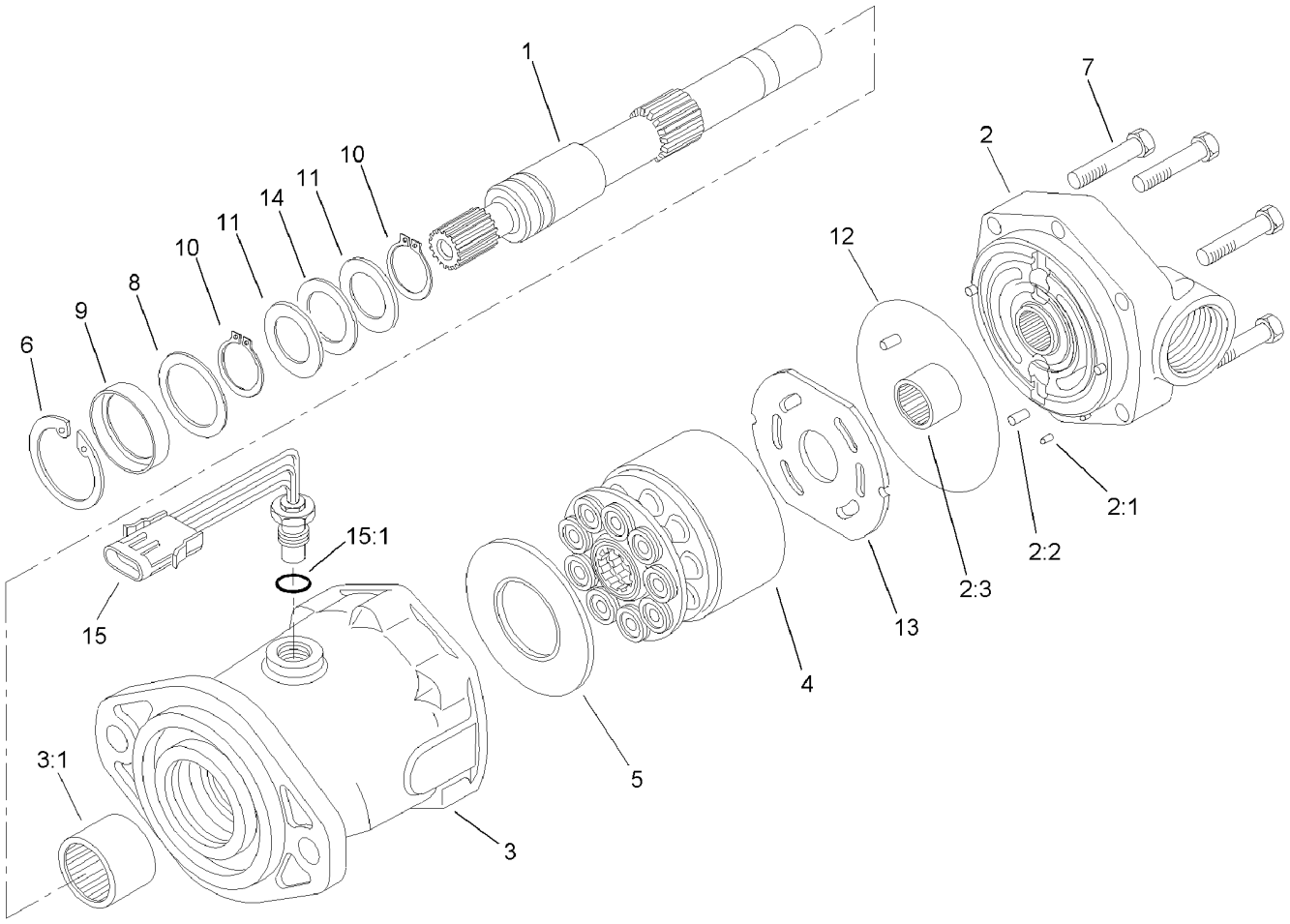
Ref.	*Part Number*	*Qty.*	*Description*
1	94-3004	1	Shaft-Drive, Splined
2	94-3005	1	Backplate ASM
2:1		1	Pin-Dowel ●
2:2		3	Pin-Dowel ●
2:3		1	Bearing-Needle ●
3	94-3006	1	Housing ASM
3:1		1	Bearing-Needle ●
4	76-6910	1	Rotating Kit
5	76-6970	1	Insert-Plate, Cam
6	76-7010	1	Ring-Retaining
7	94-3002	6	Capscrew
8	60-6240	1	Washer
9	105-3331	1	Seal-Shaft
10	76-7000	2	Ring-Retaining
11	76-6950	2	Race-Thrust
12	76-6980	1	O-Ring
13	94-3003	1	Plate-Valve
14	76-6960	1	Bearing-Thrust
15	94-3009	1	Plug
15:1		1	O-Ring ●

● Not serviced separately



Brake Assembly No. 100-3069-03

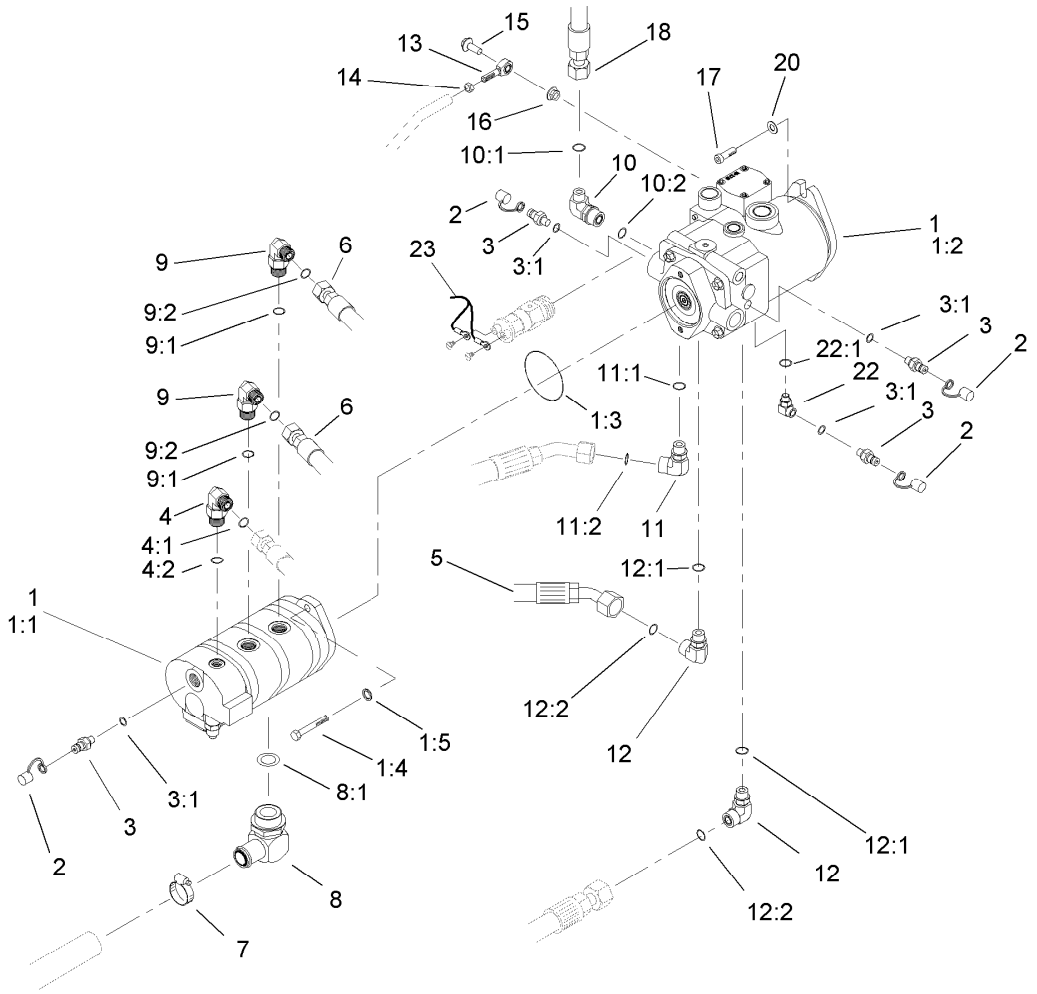
Ref.	*Part Number*	*Qty.*	*Description*
2	93-7977	1	Seal
3	93-7978	1	Rod-Pull
4	93-7983	2	Pin-Clevis
5	93-7980	2	Link
6	93-7979	2	Pin-Hitch
7	93-7986	4	Disc-Stationary
8	104-4278	3	Disc-Rotating
9	93-7976	1	Ring-Retaining
10	93-7984	1	Gasket
11	104-4280	1	Actuator-Rotating
12	93-7987	3	Spring-Extension
13	93-7985	3	Ball
14	353-990	2	Plug
14:1	237-78	1	O-Ring



Hydraulic Motor Assembly No. 93-7476

Ref.	*Part Number*	*Qty.*	*Description*
1	94-3004	1	Shaft-Drive, Splined
2	94-3005	1	Backplate ASM
2:1		1	Pin-Dowel ●
2:2		3	Pin-Dowel ●
2:3		1	Bearing-Needle ●
3	94-3006	1	Housing ASM
3:1		1	Bearing-Needle ●
4	76-6910	1	Rotating Kit
5	76-6970	1	Insert-Plate, Cam
6	76-7010	1	Ring-Retaining
7	94-3002	6	Capscrew
8	60-6240	1	Washer
9	105-3331	1	Seal-Shaft
10	76-7000	2	Ring-Retaining
11	76-6950	2	Race-Thrust
12	76-6980	1	O-Ring
13	94-3003	1	Plate-Valve
14	76-6960	1	Bearing-Thrust
15	94-3010	1	Sensor-Speed, Pickup
15:1		1	O-Ring ●

● Not serviced separately

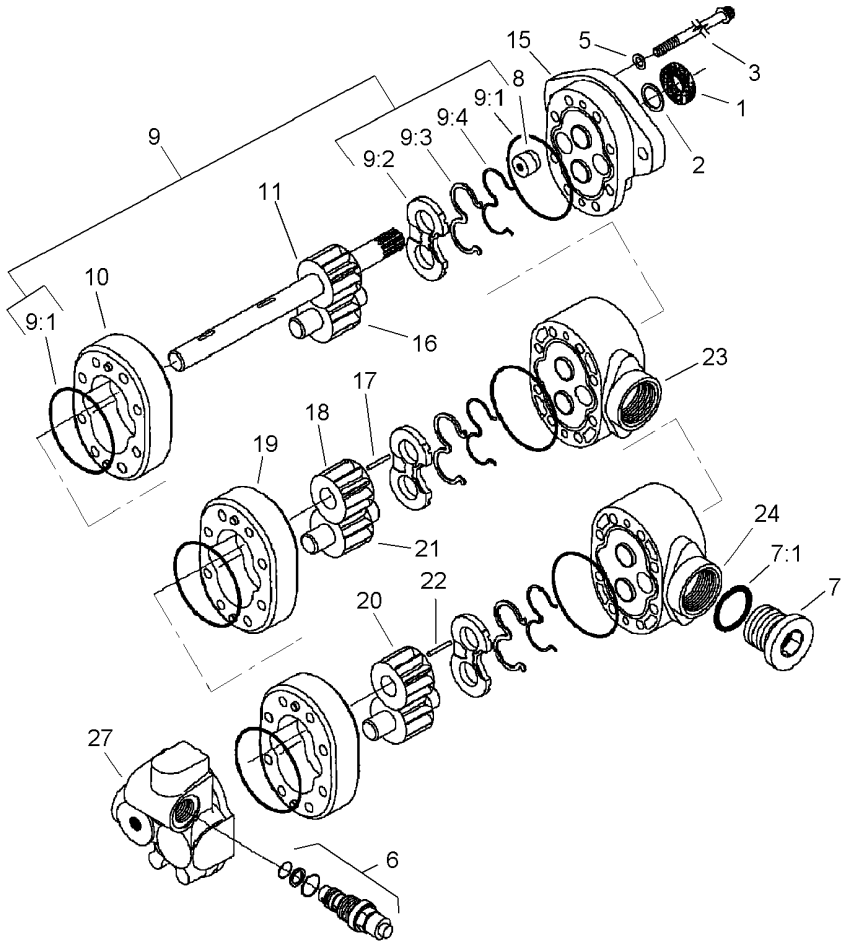


Hydraulic Pump Installation

Ref.	Part Number	Qty.	Description
1		1	Tandem Pump ASM ●
1:1	115-8031	1	Pump-Gear
1:2	110-0006	1	Pump-Piston
1:3	60-3520	1	O-Ring
1:4	323-7	2	Screw-HH
1:5	105-9762	2	Washer
2	354-79	4	Cap-Dust
3	354-77	4	Fitting-Quick
3:1	237-78	1	O-Ring
4	340-77	1	Fitting-HYD, 90 DEG
4:1	237-22	1	O-Ring
4:2	237-42	1	O-Ring
5	105-7921	1	HYD Hose ASM
6	105-7927	2	HYD Hose ASM
7	2412-111	1	Clamp
8	92-7526	1	Fitting-HYD, 90 DEG
8:1	237-101	1	O-Ring
9	340-105	2	Fitting-HYD, 90 DEG
9:1	237-80	1	O-Ring
9:2	237-30	1	O-Ring

Ref.	Part Number	Qty.	Description
10	340-15	1	Fitting-HYD, 90 DEG
10:1	237-58	1	O-Ring
10:2	237-146	1	O-Ring
11	104-3796	1	Fitting-HYD, 90 DEG
11:1	237-81	1	O-Ring
11:2	340-65	1	O-Ring
12	340-129	2	Fitting-HYD, 90 DEG
12:1	237-146	1	O-Ring
12:2	340-65	1	O-Ring
13	2411-36	1	Bearing-End, Rod
14	3220-3	1	Nut-HJ
15	3234-11	1	Screw-HHF
16	3296-59	1	Nut-Lock, NI
17	325-6	2	Screw-HH
18	104-3789	1	Filter Hose ASM
20	87-7270	2	Washer-Thrust
22	75-6640	1	Fitting-HYD, Special
22:1	237-78	1	O-Ring
23	105-0122	1	Harness-Wire

● Not serviced separately

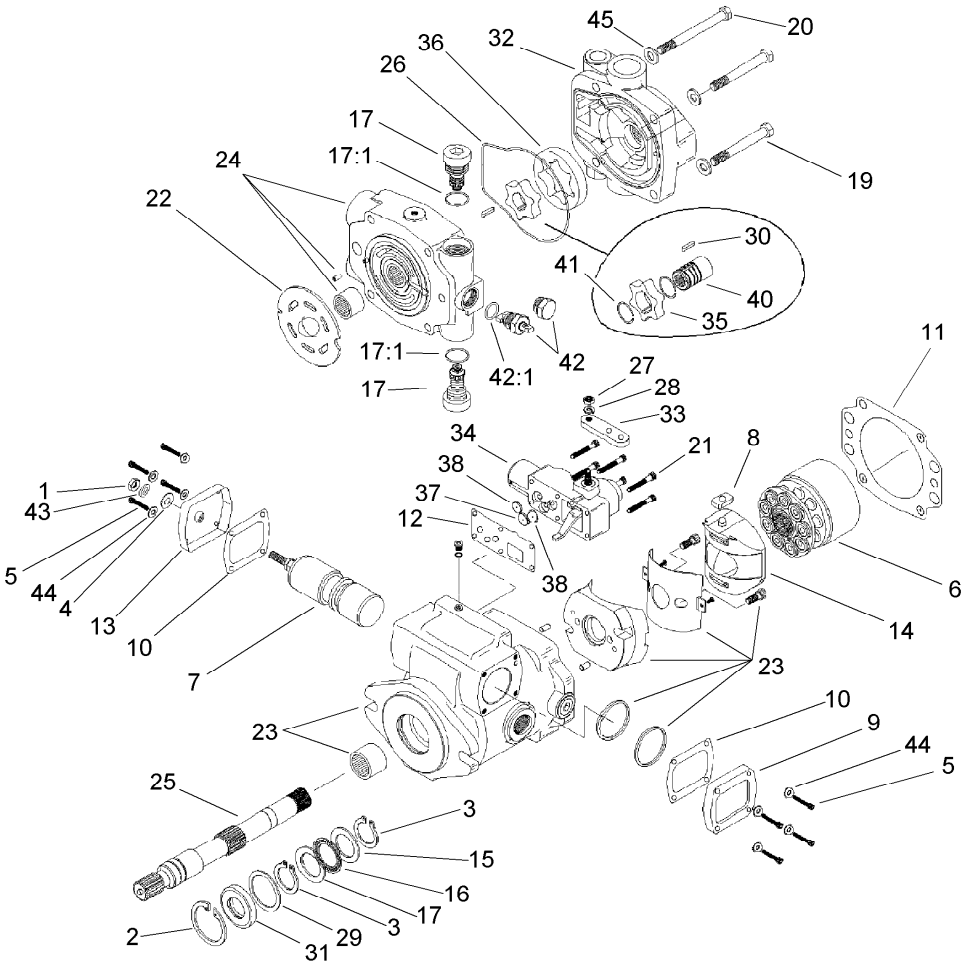


Gear Pump Assembly No. 115-8031

Ref.	Part Number	Qty.	Description
1	49-2640	1	Seal-Shaft
2	60-5890	1	Washer
3	105-2898	8	Screw-Cap
5	74-8920	4	Washer-Copper
6	115-8032	1	Relief Valve
7	94-3013	1	Plug
7:1		1	O-Ring ■
8	94-3011	1	Plug
9	94-3015	1	Seal Kit
9:1		3	Gasket-Back Up ■
9:2		3	Seal-Balance ■
9:3	49-2640	1	Seal-Shaft
9:4	60-5890	1	Washer
10		1	Body ■
11		1	Drive Gear ASM ■
15		1	Front Plate ASM ■
16		1	Gear-Idler ■
17		1	Key ■
18		1	Gear ■
19		1	Body ■
20		1	Gear ■
21		1	Gear-Idler ■
22		1	Key ■
23		1	Plate-Adaptor ■
24		1	Plate-Adaptor ■
27		1	Body ■
99	107-4328	1	Front Plate Kit ●

● Not illustrated

■ Not serviced separately

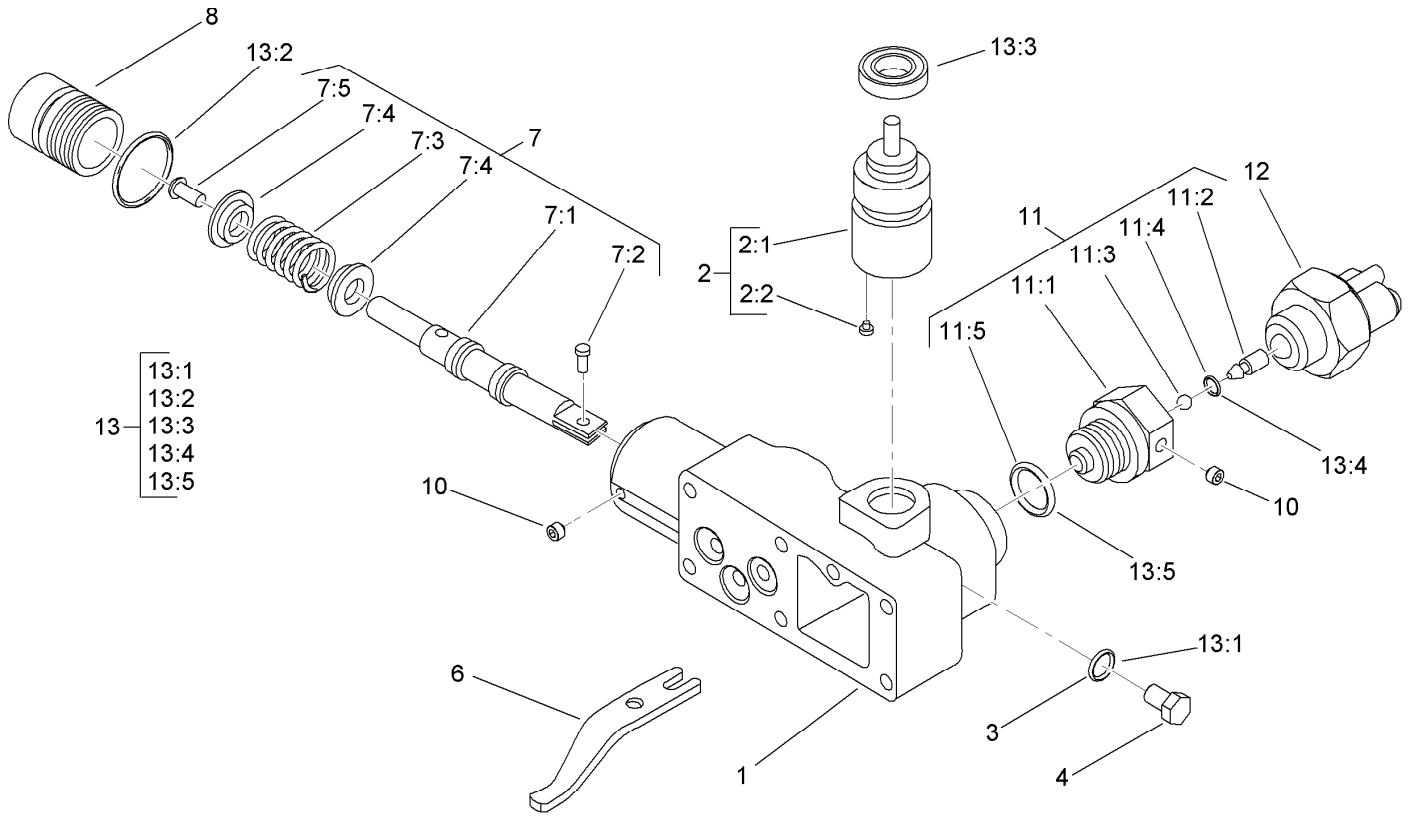


Piston Pump Assembly No. 110-0006

Ref.	Part Number	Qty.	Description
1	3220-2	1	Nut-Jam
2	60-6260	1	Ring
3	76-7000	2	Ring-Retaining
4	94-3027	1	Washer-Seal
5	93-6337	8	Screw
6	99-8701	1	Rotating Kit
7	105-4572	1	Servo Piston ASM
8	94-3032	1	Follower-Piston
9	94-3033	1	Plate-Cover
10	93-6339	2	Gasket
11	105-2900	1	Gasket-Housing
12	105-2901	1	Gasket-Housing, Control
13	105-9853	1	Plate-Cover
14	94-3026	1	Camplate ASM
15	76-6950	2	Race-Thrust
16	76-6960	1	Bearing-Thrust
17	105-2858	2	Valve-Relief
17:1		1	O-Ring ●
19	323-15	2	Screw-HH
20	323-16	2	Screw-HH
21	93-6324	6	Screw
22	105-2902	1	Plate-Valve
23	105-2903	1	Housing

Ref.	Part Number	Qty.	Description
24	105-8149	1	Endcover ASM
25	94-3020	1	Shaft-Drive
26	105-2905	1	O-Ring
27	3217-5	1	Nut-Hex
28	3253-3	1	Washer-Lock
29	60-6240	1	Washer
30	107-4442	1	Key
31	105-3331	1	Seal-Shaft
32	105-2907	1	Charge Pump Adapter ASM
33	110-0036	1	Arm-Control
34	108-1503	1	Manual Servo Control ASM
35	107-4443	1	Gerotor, Inner Ring
36	99-8707	1	Gerotor-Outer
37	105-2909	1	Orifice-Control
38	105-2910	2	Orifice-Valve, Control
40	107-4444	1	Coupler
41	105-2912	2	Ring-Retaining
42	105-2913	1	Valve-Bypass
42:1		1	O-Ring ●
43	94-3030	1	Washer
44	93-6336	8	Washer
45	3256-24	4	Washer-Flat

● Not serviced separately

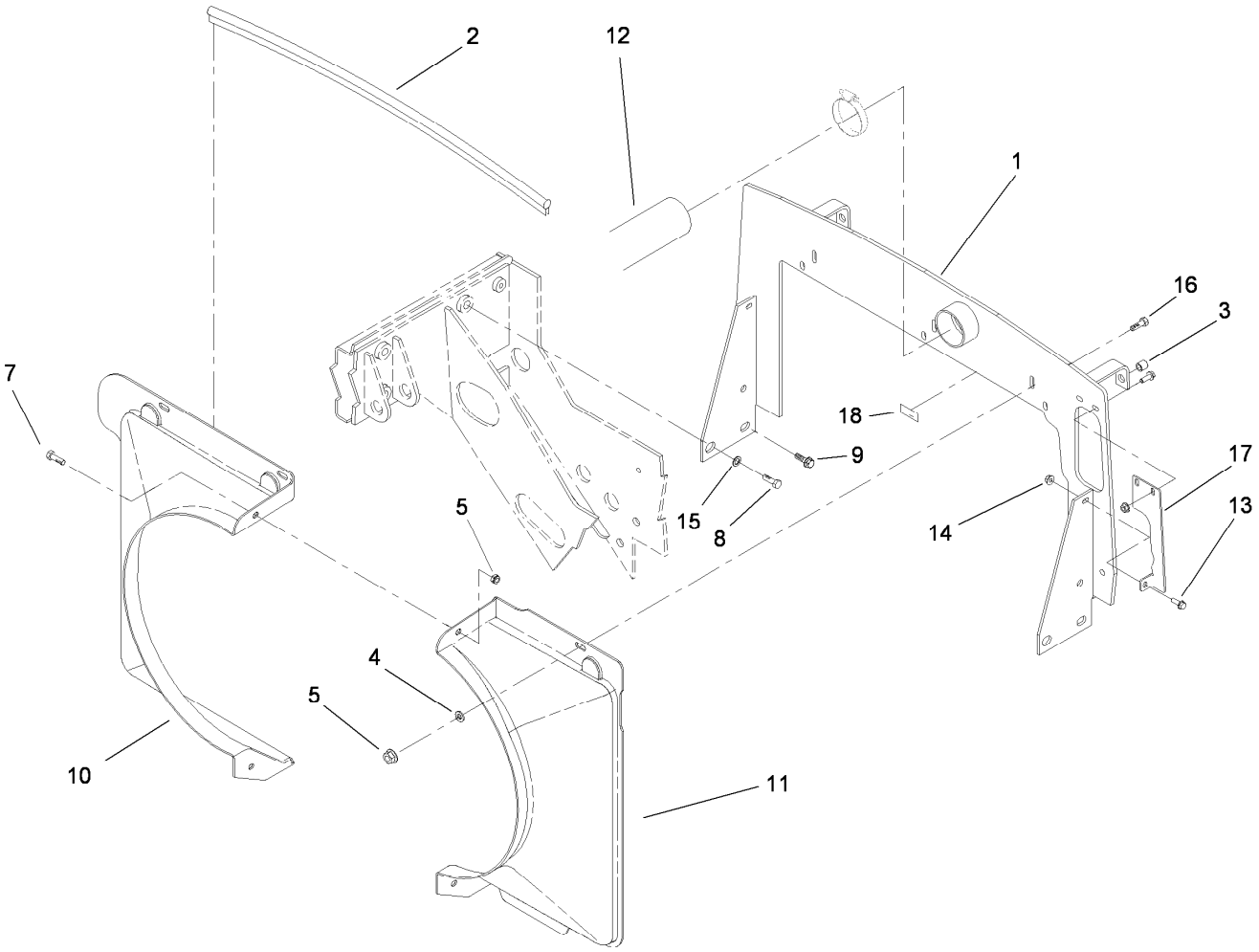


Control Assembly No. 108-1503

Ref.	Part Number	Qty.	Description
1		1	Housing-Control ●
2	108-7099	1	Input Control Shaft ASM
2:1		1	Shaft ●
2:2		1	Pin ●
3		1	O-Ring ●
4		1	Plug ●
6		1	Link-Feedback ●
7	108-7098	1	Valve Spool ASM
7:1		1	Valve-Spool ●
7:2		1	Pin-Dowel ●
7:3		1	Spring ●
7:4		2	Retainer ●
7:5		1	Screw ●
8		1	Plug ●

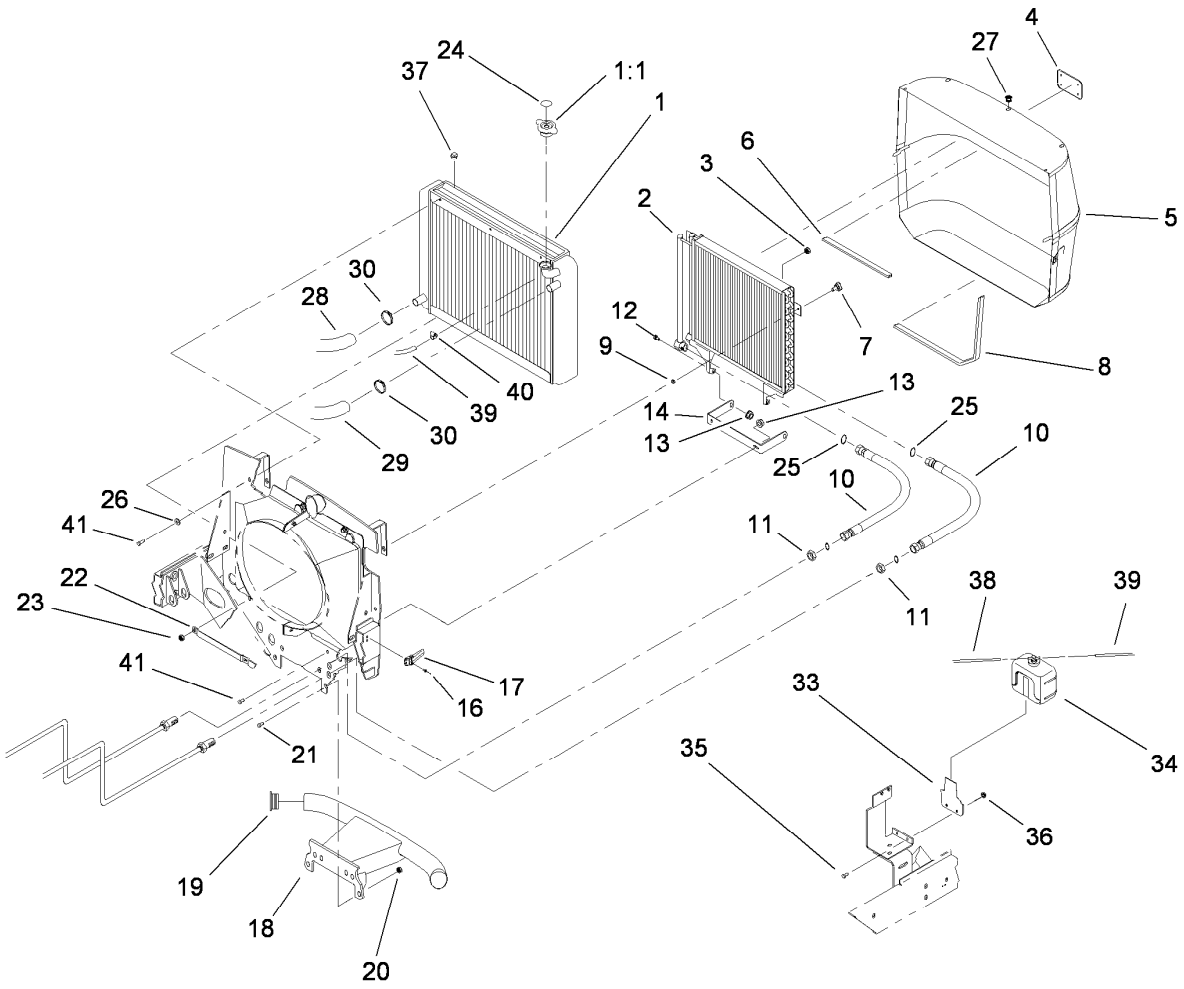
Ref.	Part Number	Qty.	Description
10		2	Screw-Set ●
11	108-8003	1	Adaptor ASM
11:1		1	Adaptor-Lockout, Neutral ●
11:2		1	Pin ●
11:3		1	Ball ●
11:4		1	O-Ring ●
11:5		1	O-Ring ●
12	94-3043	1	Switch-Safety, Neutral
13	94-3044	1	Seal Kit
13:1	117-8979	1	Seal-Shaft
13:2	105-2901	1	Gasket-Housing, Control
13:3		1	O-Ring ●
13:4		1	O-Ring ●
13:5		1	Seal-Wiper ●

● Not serviced separately



Radiator Support and Shroud Assembly

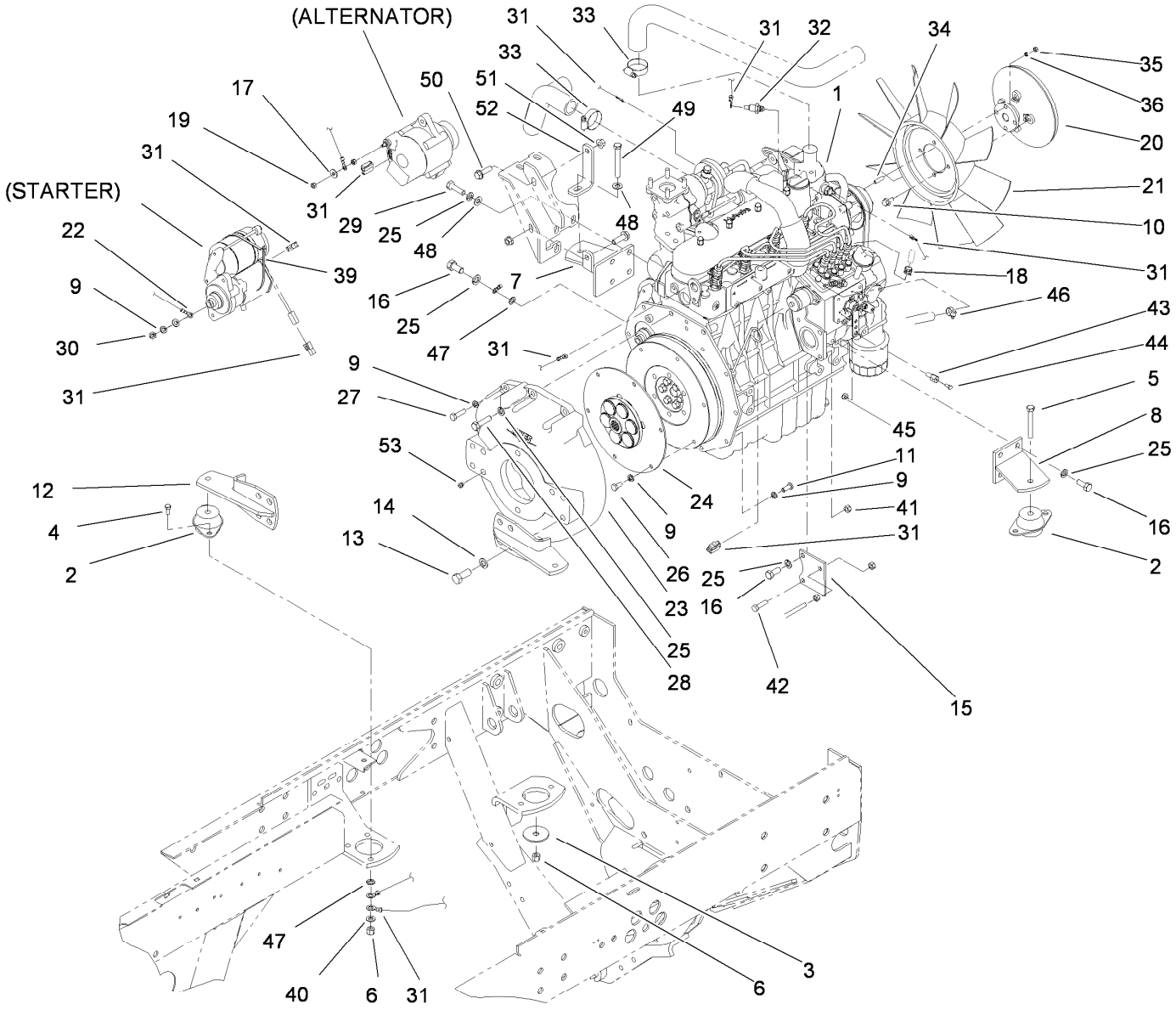
Ref.	*Part Number*	*Qty.*	*Description*
1	114-3965-03	1	Radiator Support ASM
2	93-7553	1	Seal-Hood
3	32148-10	2	Insert-Nut
4	3256-56	3	Washer-Flat
5	32128-20	5	Nut-HF
7	3234-5	2	Screw-HHF
8	327-2	2	Screw-HH
9	3234-1	2	Screw-HHF
10	105-0104	1	Shroud-Fan, RH
11	105-0103	1	Shroud-Fan, LH
12	104-5209	1	Hose-Cleaner, Air
13	3234-4	3	Screw-HHF
14	32128-33	3	Nut-HF
15	3256-27	2	Washer-Flat
16	3230-2	3	Bolt-CARR
17	114-3951-03	1	Plate-Cover
18	93-6681	1	Decal-Warning, Fan



Radiator and Screen Assembly

Ref.	Part Number	Qty.	Description
1	110-0003	1	Radiator ASM
1:1	93-5957	1	Cap-Radiator
2	114-3995	1	Oil Cooler ASM
3	94-2638	4	Nut-Tinnerman
4	93-6028	1	Plate-Logo
5	92-7505-03	1	Screen ASM
6	92-7631	1	Seal-Screen
7	77-3620	2	Knob-Retainer
8	93-4208	1	Seal-Screen, Strip
9	32151-72	2	Ring-Retaining
10	92-7535	2	Hose ASM
11	340-74	2	Nut-Lock, Bulkhead
12	37-8771	2	Bolt-Shoulder
13	32128-20	4	Nut-HF
14	92-7516-03	1	Bracket-Support, Cooler Base
16	3269-4	4	Rivet-Pop
17	105-9296	2	Latch-Draw
18	110-0044-03	1	Bumper-Short
19	2410-42	2	Cap-End

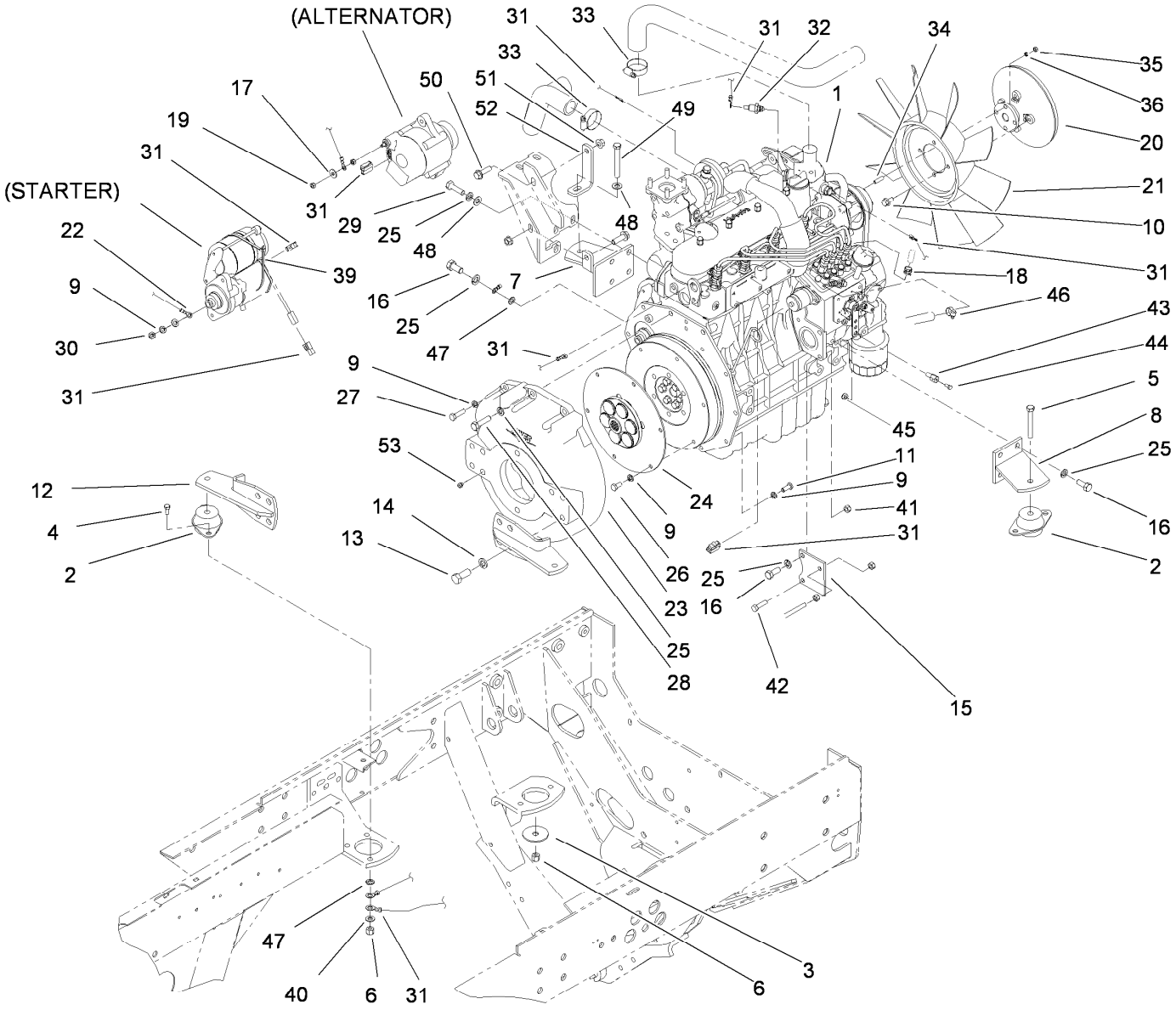
Ref.	Part Number	Qty.	Description
20	3296-23	4	Nut-Lock, NI
21	325-6	4	Screw-HH
22	92-7416-03	1	Strap-Radiator
23	3296-29	3	Nut-Lock, NI
24	106-6755	1	Decal-Cap, Radiator
25	237-65	2	O-Ring
26	3256-23	3	Washer-Flat
27	2410-64	3	Plug-Button
28	104-3781	1	Hose-Radiator, Lower
29	104-3782	1	Hose-Radiator, Upper
30	2412-34	2	Clamp-Hose
33	98-4576-03	1	Bracket-Reservoir, Water
34	104-9318	1	Overflow Bottle ASM
35	321-4	2	Screw-HH
36	3296-42	2	Nut-Lock, NI
37	281-13	1	Plug-Pipe
38	98-7895	1	Tube
39	110-4110	1	Hose-Fuel
40	92-2379	2	Clamp-Hose
41	3234-5	5	Screw-HHF



Engine Installation Assembly

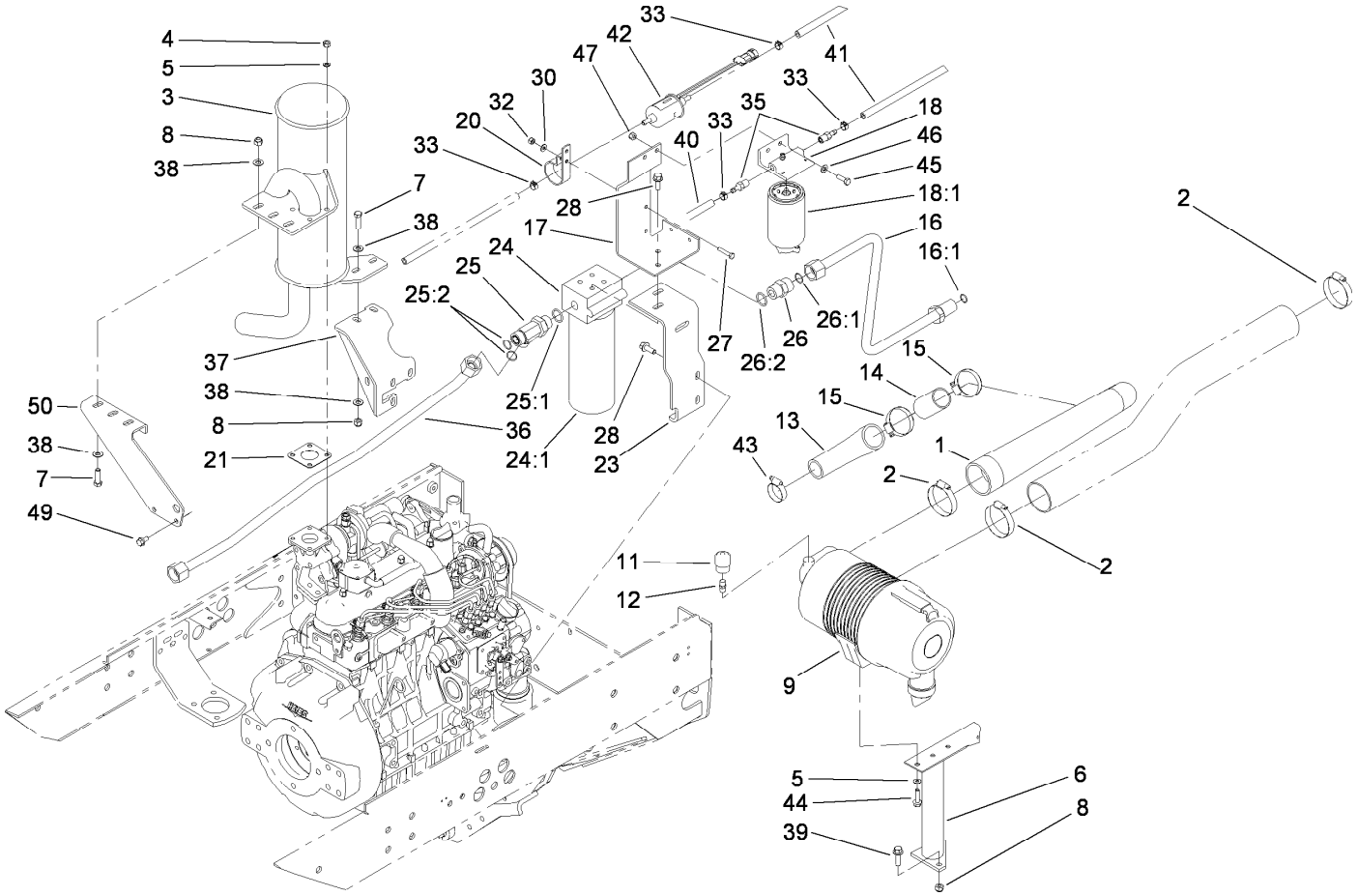
Ref.	Part Number	Qty.	Description
1	112-6590	1	Engine-Kubota
2	53-9680	4	Mount-Engine
3	87-5100	4	Washer-Snubbing
4	323-7	7	Screw-HH
5	323-13	3	Screw-HH
6	3296-39	11	Nut-Lock, NI
7	105-7914-03	1	Bracket-Engine
8	104-3762-03	1	Bracket-Engine, Front (LH)
9	3253-4	15	Washer-Lock
10	3234-7	4	Screw-HHF
11	33114-020	2	Screw-HH
12	104-3764-03	2	Rear Engine Plate ASM
13	325-5	8	Screw-HH
14	3253-7	8	Washer-Lock
15	104-3778-03	1	Plate-Throttle
16	63-7790	7	Screw-Cap
17	3256-78	1	Washer-Flat
18	2412-80	1	Clamp-Line, Fuel
19	33023-00	1	Nut-Lock
20	117-8972	1	Fan Clutch ASM
21	74-3650	1	Fan

Ref.	Part Number	Qty.	Description
22	99-3441	1	Harness-Wire, Fusible Link
23	105-0100	1	Flywheel Housing ASM
24	110-9729	1	Flywheel Coupling ASM
25	42-9600	12	Washer-Lock, Spring
26	33114-016	6	Screw-HH
27	33114-030	6	Screw-HH
28	87-3700	2	Screw-Cap, HH
29	99-6058	3	Screw-Cap
30	57-6390	1	Nut-Jam
31	106-5972	1	Harness-Wire
32	98-9346	1	Sender-Temperature
33	2412-34	2	Clamp-Hose
34	104-5222	4	Stud
35	33013-00	4	Nut-Hex
36	3253-18	4	Washer-Lock
39	3290-379	2	Tie-Cable
40	3256-3	1	Washer-Flat
41	33024-00	1	Nut-Lock
42	33114-030	1	Screw-HH
43	98-9311	1	Swivel-Throttle
44	25-8640	1	Screw-HH



Engine Installation Assembly (continued)

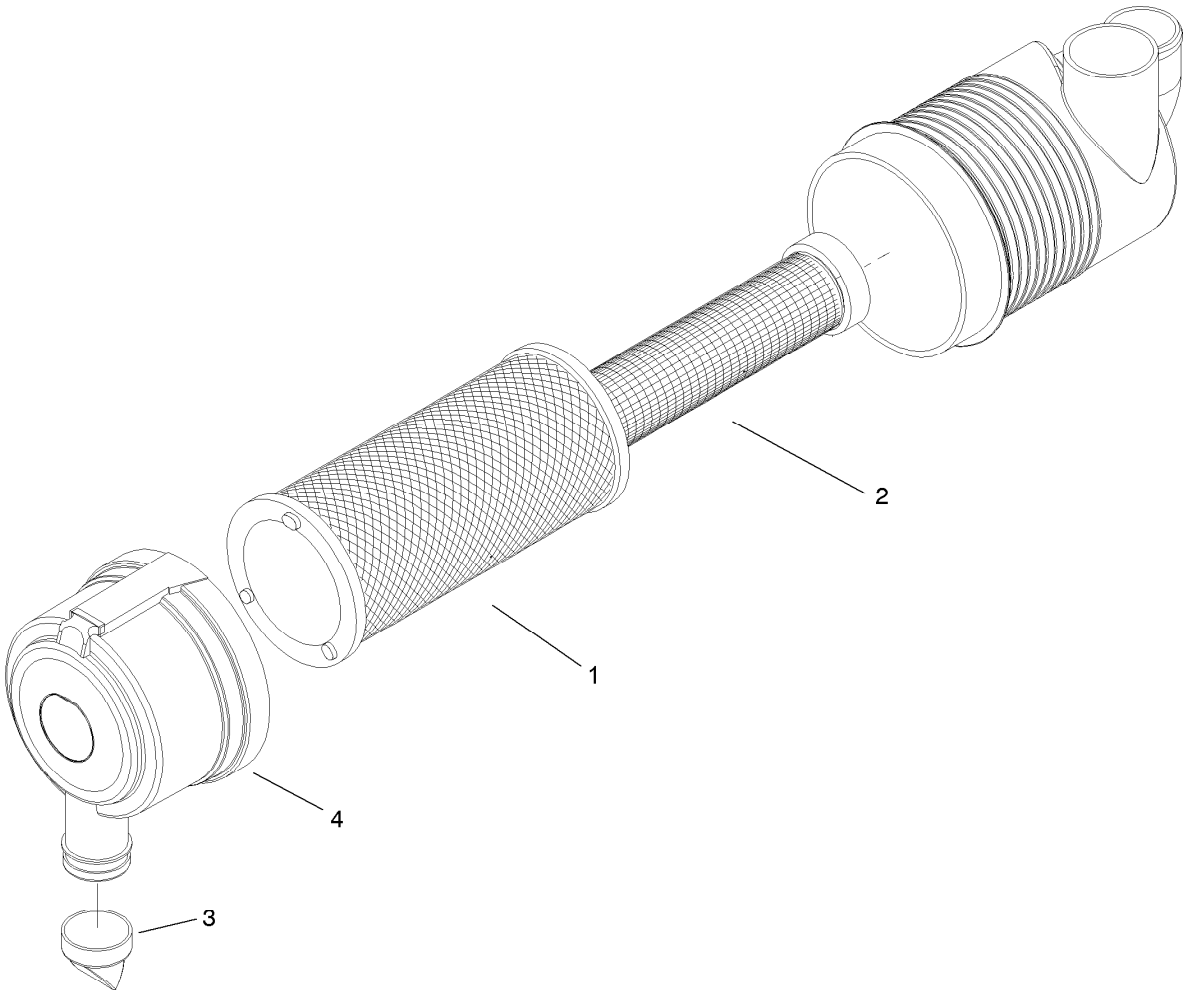
Ref.	Part Number	Qty.	Description
45	3296-20	1	Nut-Lock, NI
46	92-2379	1	Clamp-Hose
47	3255-9	2	Washer-Lock
48	48-9220	4	Washer
49	323-14	1	Screw-HH
50	66-9300	2	Screw-HHF
51	32128-21	2	Nut-HF
52	105-7931-03	1	Bracket-Support
53	3248-3	2	Screw-Set, HSH



Oil/Water/Fuel Filter, Muffler and Air Cleaner Assembly

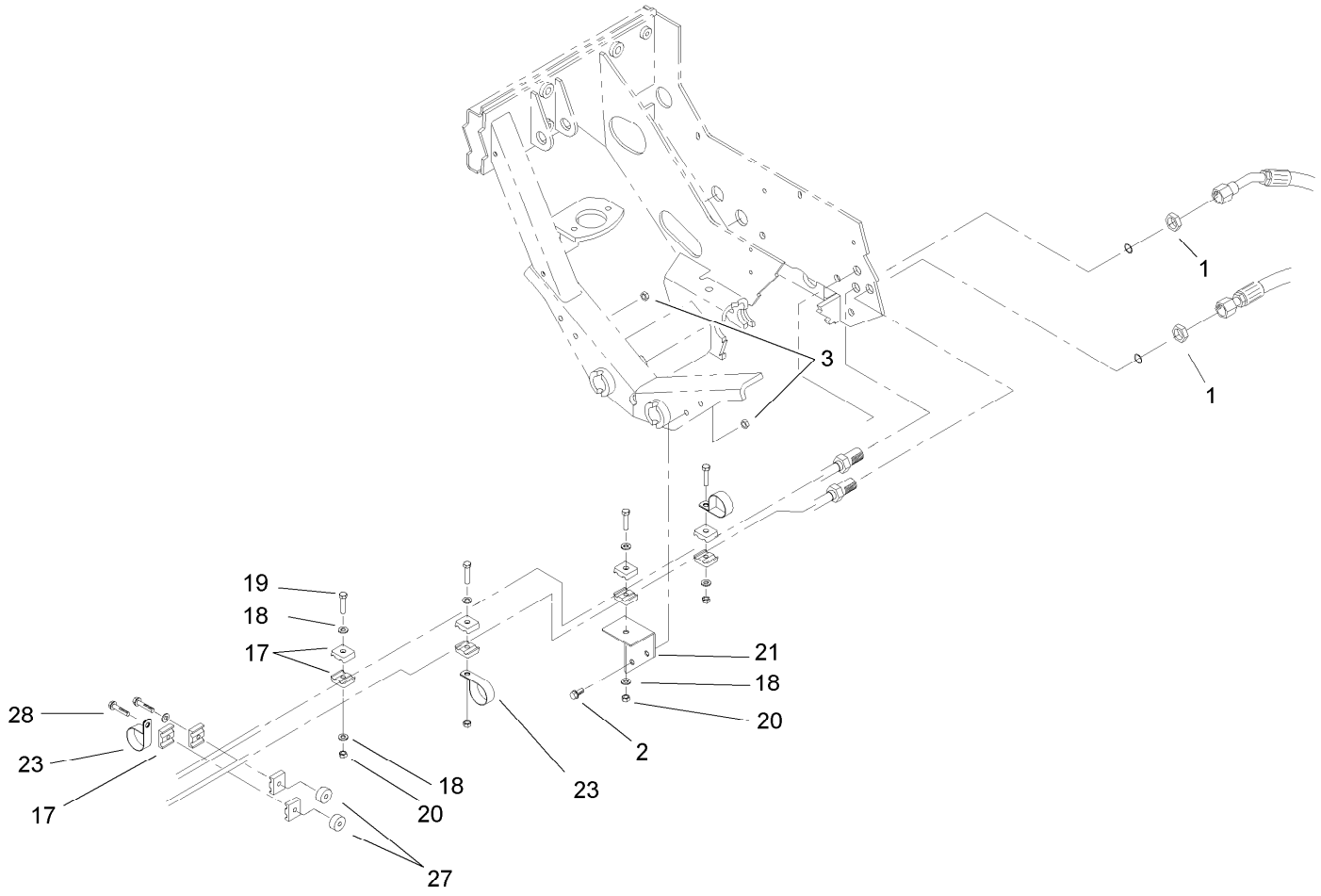
Ref.	Part Number	Qty.	Description
1	114-3956	1	Hose-Air Cleaner, Turbo
2	2412-125	3	Clamp-Hose
3	105-9260	1	Muffler ASM
4	33014-00	4	Nut-Hex
5	3253-4	6	Washer-Lock
6	106-7792-03	1	Air Filter Support ASM
7	323-7	5	Screw-HH
8	3296-39	7	Nut-Lock, NI
9	100-2597	1	Air Filter ASM
11	93-9164	1	Indicator-Mini
12	94-1416	1	Indicator Adapter ASM
13	104-5207	1	Hose-Turbo
14	104-5214	1	Spacer-Tubular
15	2412-92	2	Clamp-Hose
16	104-3742	1	HYD Filter Tube ASM
16:1	237-65	1	O-Ring
17	104-3776-03	1	Bracket-Separator, Fuel
18	110-9044	1	Filter-Seperator
18:1	110-9049	1	Filter-Spin On
20	110-8817	1	Bracket-Pump, Fuel
21	99-8343	1	Gasket-Muffler
23	110-4129-03	1	Bracket-Filter, Oil
24	94-2620	1	Oil Filter ASM
24:1	94-2621	1	Element-Filter
25	340-148	1	Fitting-Tee

Ref.	Part Number	Qty.	Description
25:1	237-81	1	O-Ring
25:2	237-58	2	O-Ring
26	340-9	1	Fitting-Straight
26:1	237-58	1	O-Ring
26:2	237-81	1	O-Ring
27	321-13	1	Screw-HH
28	3234-11	4	Screw-HHF
30	3256-1	1	Washer-Flat
32	3296-42	1	Nut-Lock, NI
33	92-2379	4	Clamp-Hose
35	353-783	1	Fitting-Straight
36	104-3749	1	HYD Tube ASM
37	105-7910-03	1	Support-Muffler
38	3256-56	10	Washer-Flat
39	3234-24	2	Screw-HHF
40	110-4112	2	Hose-Fuel
41	353-781	1	Fitting-Elbow
42	110-8806	1	Pump-Fuel
43	2412-3	1	Clamp-Hose
44	33104-030	2	Screw-HHF
45	322-5	2	Screw-HH
46	3256-23	2	Washer-Flat
47	3296-29	2	Nut-Lock, NI
49	33114-016	2	Screw-HH
50	105-9258-03	1	Bracket-Muffler, Upper



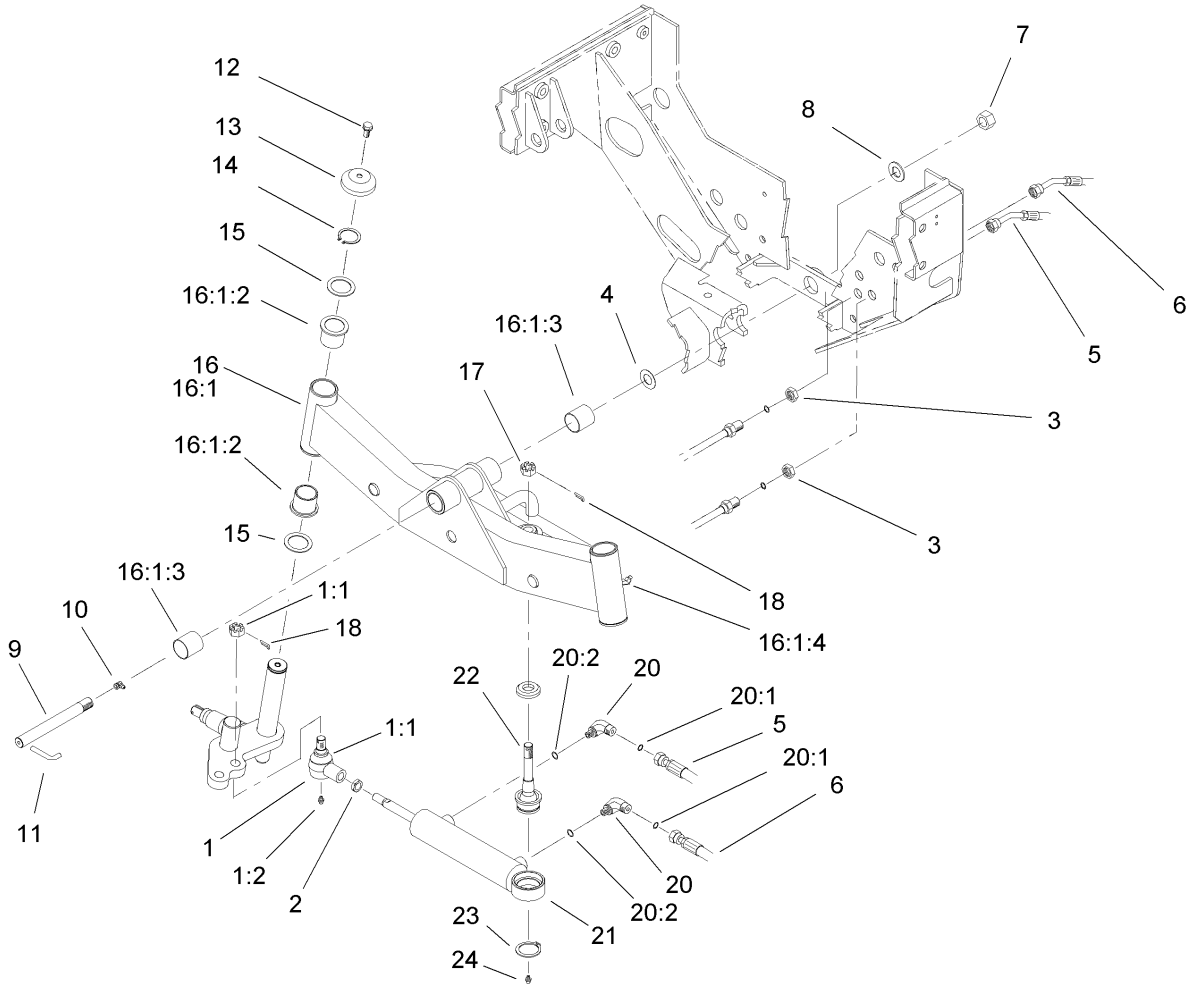
Air Filter Assembly No. 100-2597

Ref.	*Part Number*	*Qty.*	*Description*
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



Rear Hydraulic Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	340-70	2	Nut-Lock
2	323-6	2	Screw-HH
3	32128-21	2	Nut-HF
17	56-7973	10	Clamp-Tube
18	3256-23	6	Washer-Flat
19	322-7	4	Screw-HH
20	3296-29	4	Nut-Lock, NI
21	104-3752-03	1	Bracket-Clamp
23	2412-107	3	Clamp-R
27	80-8660	2	Spacer-Coupler
28	32104-37	2	Screw-HWH,Thd Cut

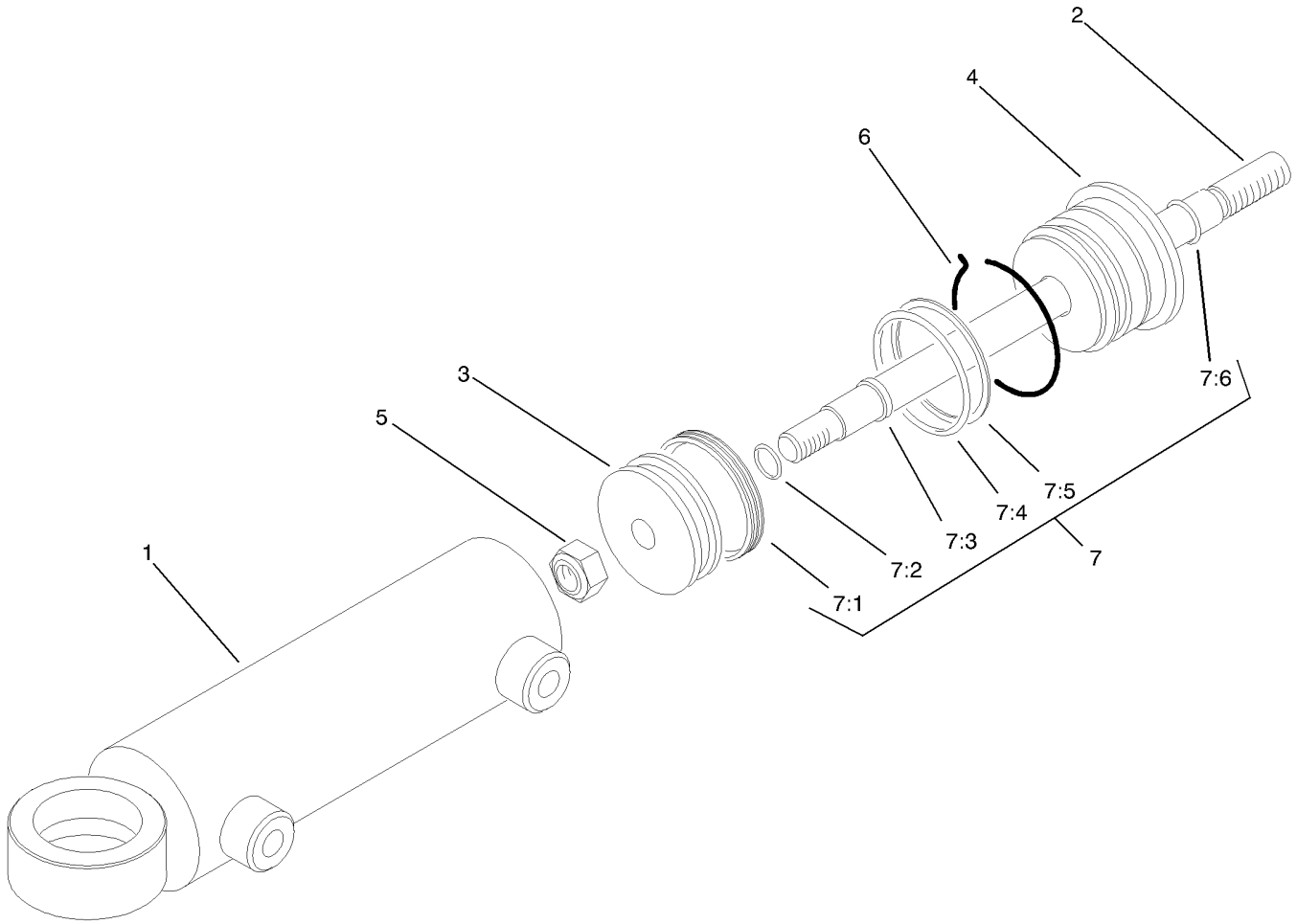


2-Wheel Drive Axle Assembly

Ref.	Part Number	Qty.	Description
1	106-6898	1	Joint-Ball
1:1	106-6896	1	Seal
1:2	302-5	1	Fitting-Grease
2	3220-11	1	Nut-Jam
3	32136-14	1	Nut-SHH
4	98-3867	2	Washer-Thrust
5	92-7595	1	Hose ASM
6	92-7594	1	Hose ASM
7	3296-68	1	Nut-Lock, NI
8	92-1765	1	Washer-Thrust
9	115-9142	1	Pin-Rear Axle
10	302-33	1	Fitting-Grease
11	32121-110	1	Pin-Roll, Slotted
12	3234-1	2	Screw-HHF
13	69-8890	2	Cap-Spindle
14	32151-10	2	Ring-Snap

Ref.	Part Number	Qty.	Description
15	62-2170	4	Washer-Thrust
16	100-3785-03	1	Rear Axle ASM
16:1		1	Axle-Rear ●
16:1:2	69-6470	4	Bushing-Castor
16:1:3	99-6964	2	Bushing-Axle
16:1:4	302-11	2	Fitting-Lube, 45 DEG
17	32136-14	1	Nut-SHH
18	3272-12	2	Pin-Cotter
20	340-97	2	Fitting-HYD, 90 DEG
20:1	237-22	1	O-Ring
20:2	237-78	1	O-Ring
21	94-8142	1	HYD Cylinder ASM
22	92-5839	1	Joint-Ball
23	32151-104	1	Ring-Retaining, External
24	302-5	1	Fitting-Grease

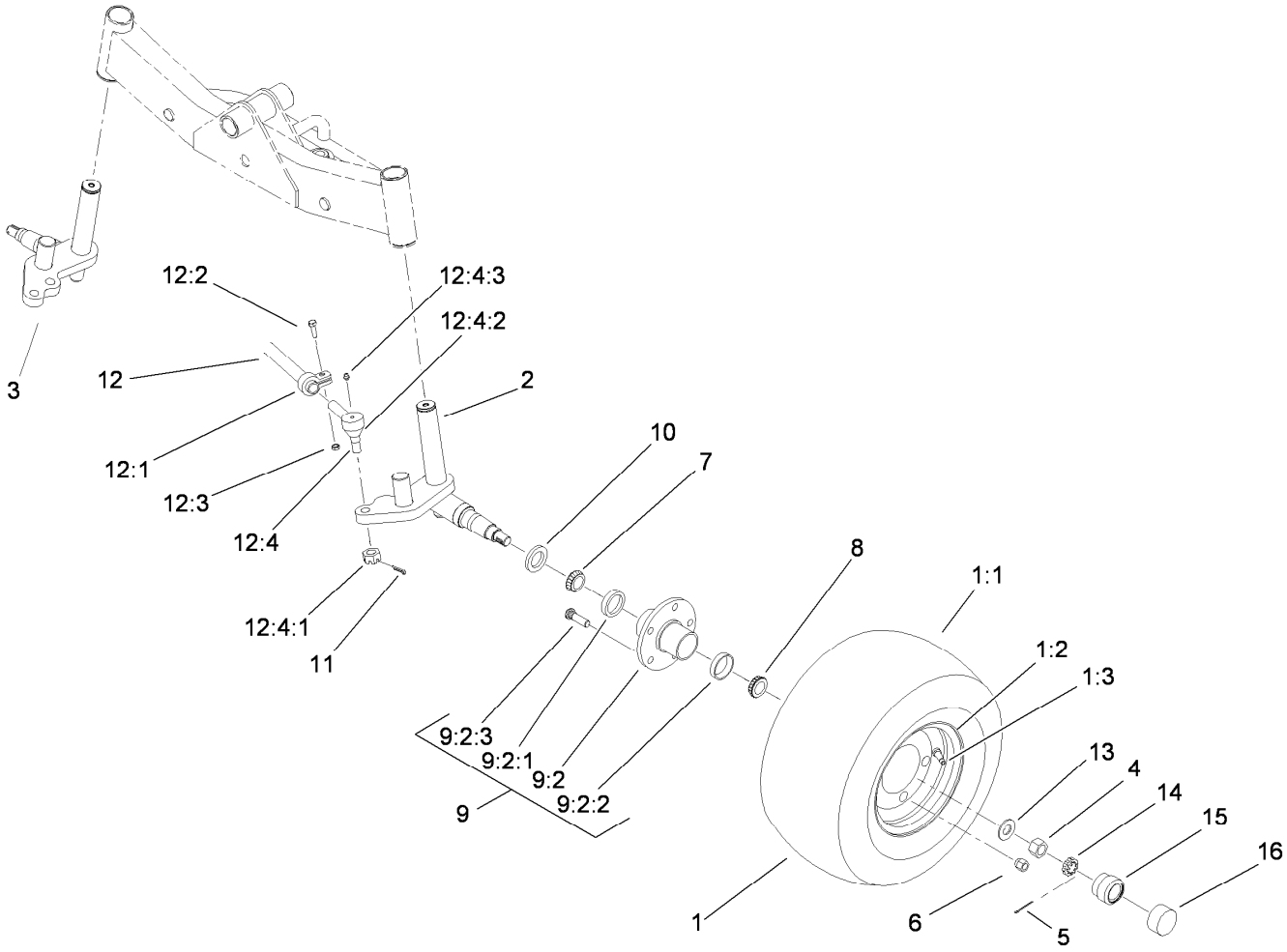
● Not serviced separately



Hydraulic Cylinder Assembly No. 94-8142

Ref.	*Part Number*	*Qty.*	*Description*
1		1	Barrel ●
2		1	Piston Rod ●
3		1	Piston ●
4		1	Gland ●
5		1	Locknut ●
6	94-9963	1	Ring-Retaining
7	94-9964	1	Seal Repair Kit
7:1		1	Uniring ●
7:2		1	O-Ring ●
7:3		1	Seal-Rod ●
7:4		1	O-Ring ●
7:5		1	Backup ●
7:6		1	O-Ring ●

● Not serviced separately

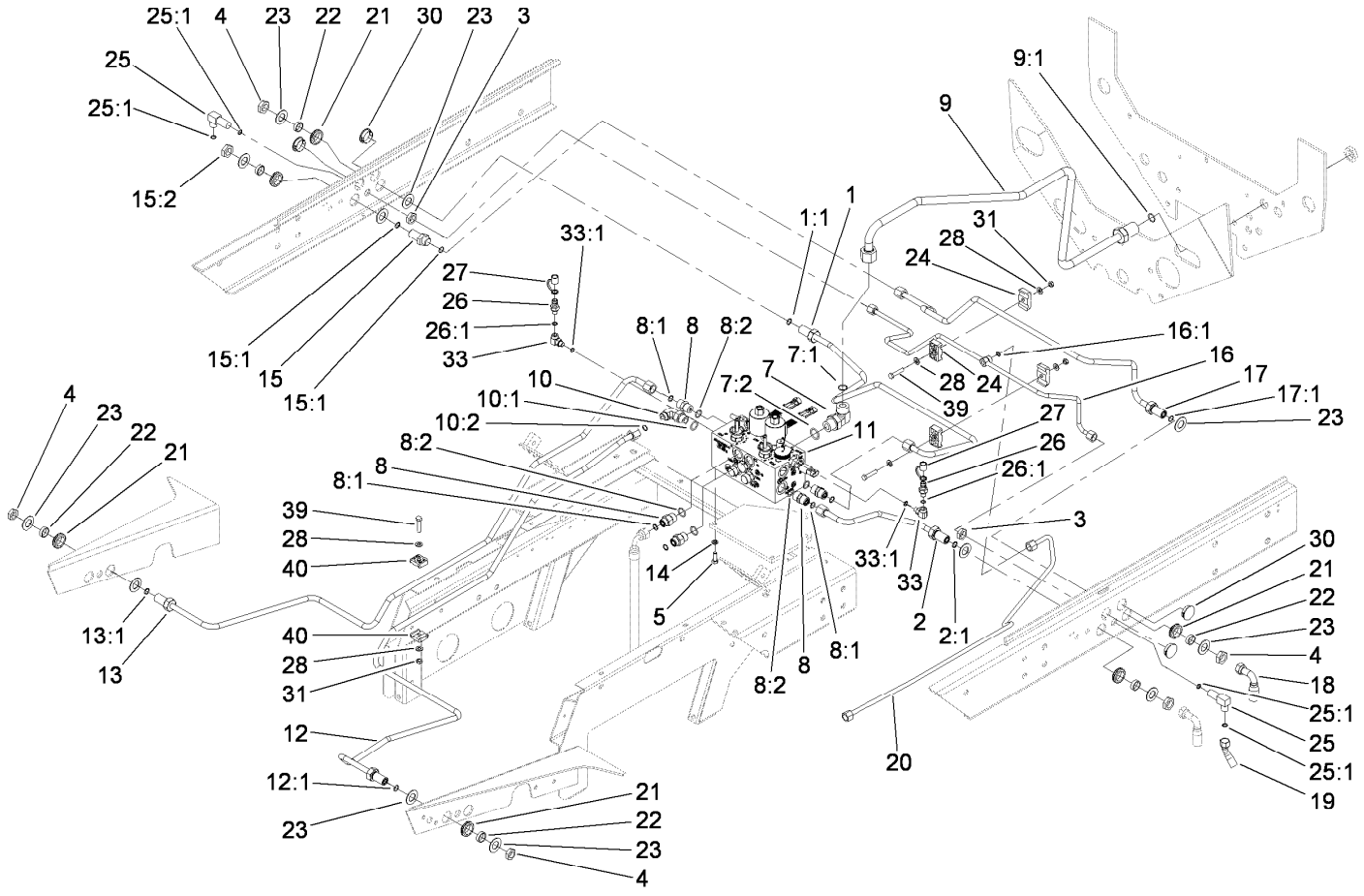


Wheel and Spindle Assembly

Ref.	Part Number	Qty.	Description
1		2	Tire And Wheel ASM ●
1:1	86-5910	1	Tire-6 Ply
1:2	100-2582	1	Rim
1:3	232-27	1	Stem-Valve
2	92-9725-03	1	LH Spindle ASM
3	92-9724-03	1	RH Spindle ASM
4	3220-7	2	Nut-Jam
5	3272-13	2	Pin-Cotter
6	242-50	10	Nut-Lug
7	254-106	2	Cone-Bearing, Tapered
8	254-92	2	Cone-Bearing, Outer
9	92-9651-03	2	Hub ASM
9:2		1	Hub ●
9:2:1	254-107	1	Cup-Bearing, Tapered
9:2:2	254-72	1	Bearing-Cup, Tapered

Ref.	Part Number	Qty.	Description
9:2:3	92-9652	5	Stud-Bolt
10	69-2980	2	Seal
11	3272-12	2	Pin-Cotter
12	98-8839	1	Tie Rod ASM
12:1	98-8840	1	Tube And Clamp ASM
12:2	323-9	2	Screw-HH
12:3	3296-39	2	Nut-Lock, NI
12:4	71-4740	2	End-Rod, Tie (RH)
12:4:1	105-7941	1	Nut-Hex, Slotted
12:4:2	105-7835	1	Seal
12:4:3	302-5	1	Fitting-Grease
13	93-0309	2	Washer-Tab
14	93-0307	2	Nut-Lock, Retainer
15	100-3769	2	Protector-Bearing
16	100-3809	2	Cap-Protector, Bearing

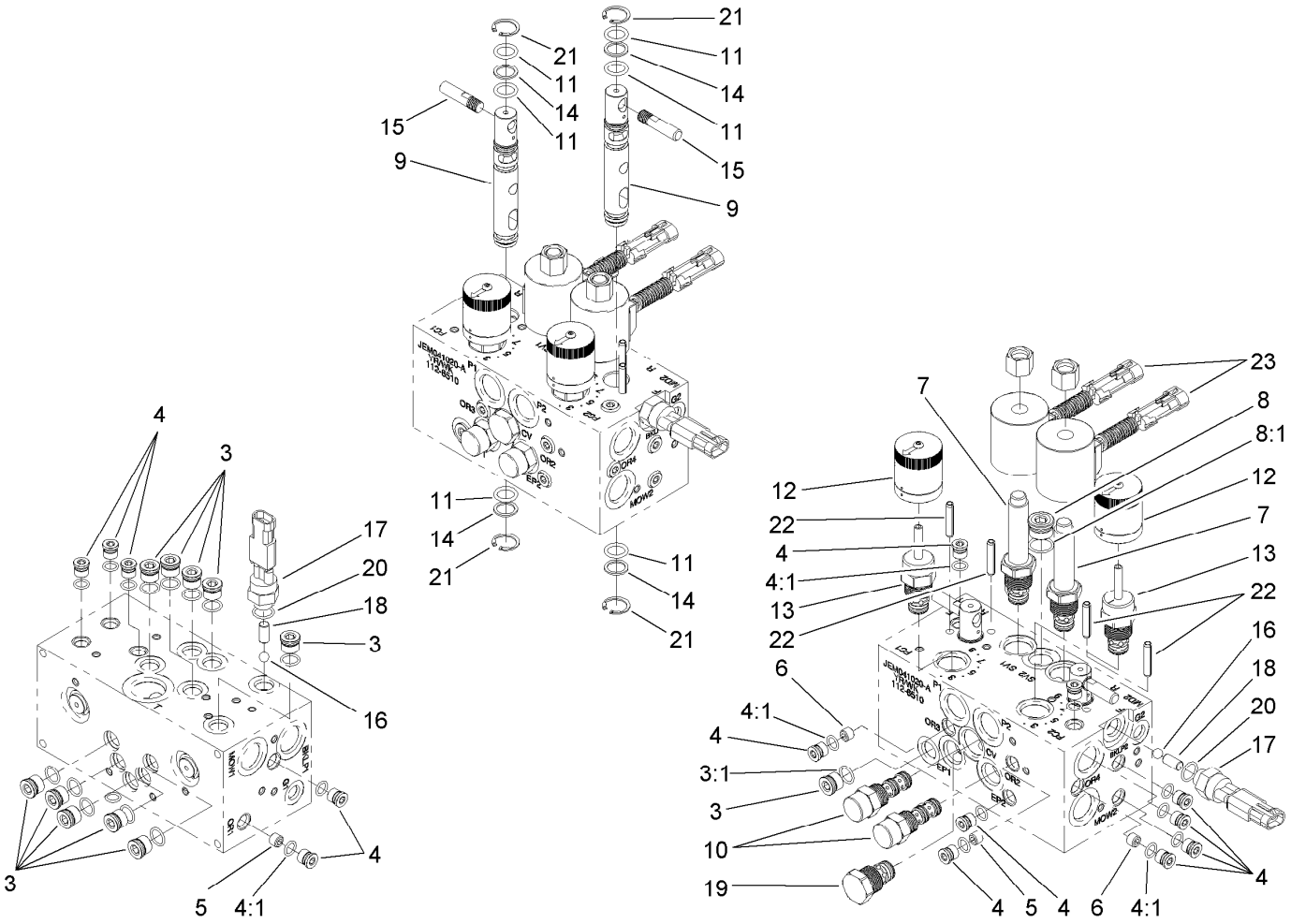
● Not serviced separately



Rear Hydraulic Control Block Assembly

Ref.	Part Number	Qty.	Description
1	104-3728	1	HYD Tube ASM
1:1	237-30	1	O-Ring
2	104-3731	1	HYD Tube ASM
2:1	237-30	1	O-Ring
3	340-70	2	Nut-Lock
4	340-127	4	Nut-Bulkhead
5	322-4	2	Screw-HH
7	340-142	1	Fitting-HYD, 90 DEG
7:1	237-58	1	O-Ring
7:2	237-81	1	O-Ring
8	340-6	5	Fitting-HYD, Straight
8:1	237-30	1	O-Ring
8:2	237-80	1	O-Ring
9	104-3734	1	HYD Cooler Tube ASM
9:1	237-65	1	O-Ring
10	340-105	1	Fitting-HYD, 90 DEG
10:1	237-80	1	O-Ring
10:2	237-30	1	O-Ring
11	112-6510	1	Manifold-Block, Mow
12	104-3741	1	HYD Tube ASM
12:1	237-30	1	O-Ring
13	104-3739	1	HYD Tube ASM
13:1	237-30	1	O-Ring
14	3253-4	2	Washer-Lock
15	340-161	1	Fitting-Bulkhead

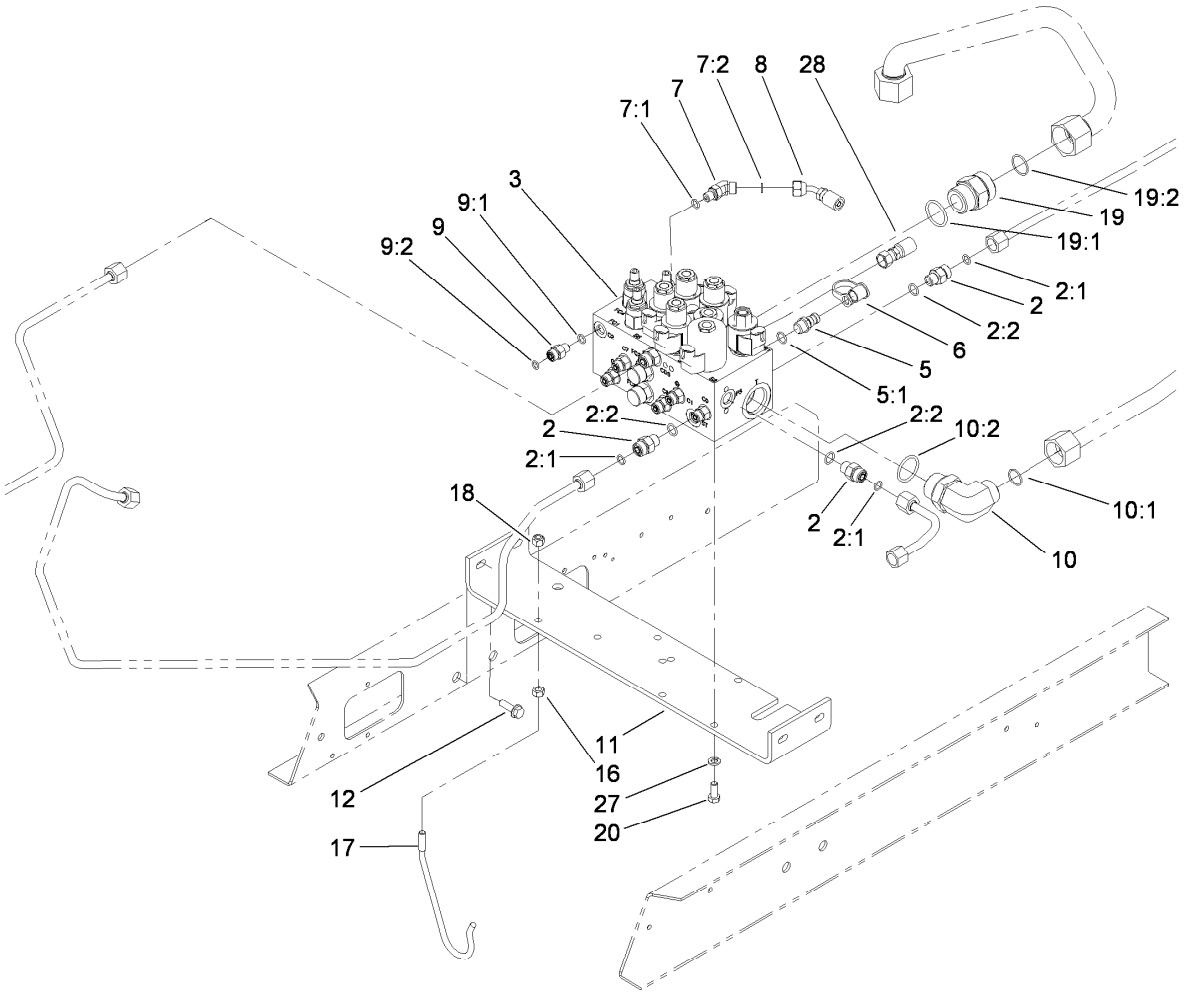
Ref.	Part Number	Qty.	Description
15:1	237-30	2	O-Ring
15:2	340-127	1	Nut-Bulkhead
16	104-3723	1	HYD Tube ASM
16:1	237-22	1	O-Ring
17	104-3724	1	HYD Tube ASM
17:1	237-30	1	O-Ring
18	105-7903	4	HYD Hose ASM
19	99-5614	2	HYD Hose ASM
20	114-3962	1	Drain Return Tube ASM
21	240-5	4	Grommet
22	69-8960	4	Spacer
23	69-8930	8	Washer
24	56-7972	4	Clamp-Tube
25	340-154	2	Union-Bulkhead
25:1	237-22	2	O-Ring
26	354-77	2	Fitting-Quick
26:1	237-78	1	O-Ring
27	354-79	2	Cap-Dust
28	3256-23	6	Washer-Flat
30	94-1402	4	Plug-Hole
31	3296-29	3	Nut-Lock, NI
33	75-6640	2	Fitting-HYD, Special
33:1	237-78	1	O-Ring
39	322-7	3	Screw-HH
40	56-7976	2	Clamp-Tube



Hydraulic Manifold Assembly No. 112-6510

Ref.	Part Number	Qty.	Description
3	106-1026	11	Plug-HYD
3:1	237-42	1	O-Ring
4	106-1025	14	Plug-HYD
4:1	237-78	1	O-Ring
5	112-6538	2	Orifice
6	112-6537	2	Orifice
7	110-8768	2	Valve-Relief, Solenoid
7:1	110-6316	1	Seal Kit (Not Illustrated)
8	106-1027	1	Plug-HYD
8:1	237-79	1	O-Ring
9	112-6536	2	Spool
10	110-8890	2	Element-Logic
10:1	110-8773	1	Seal Kit (Not Illustrated)
11	112-6535	6	O-Ring

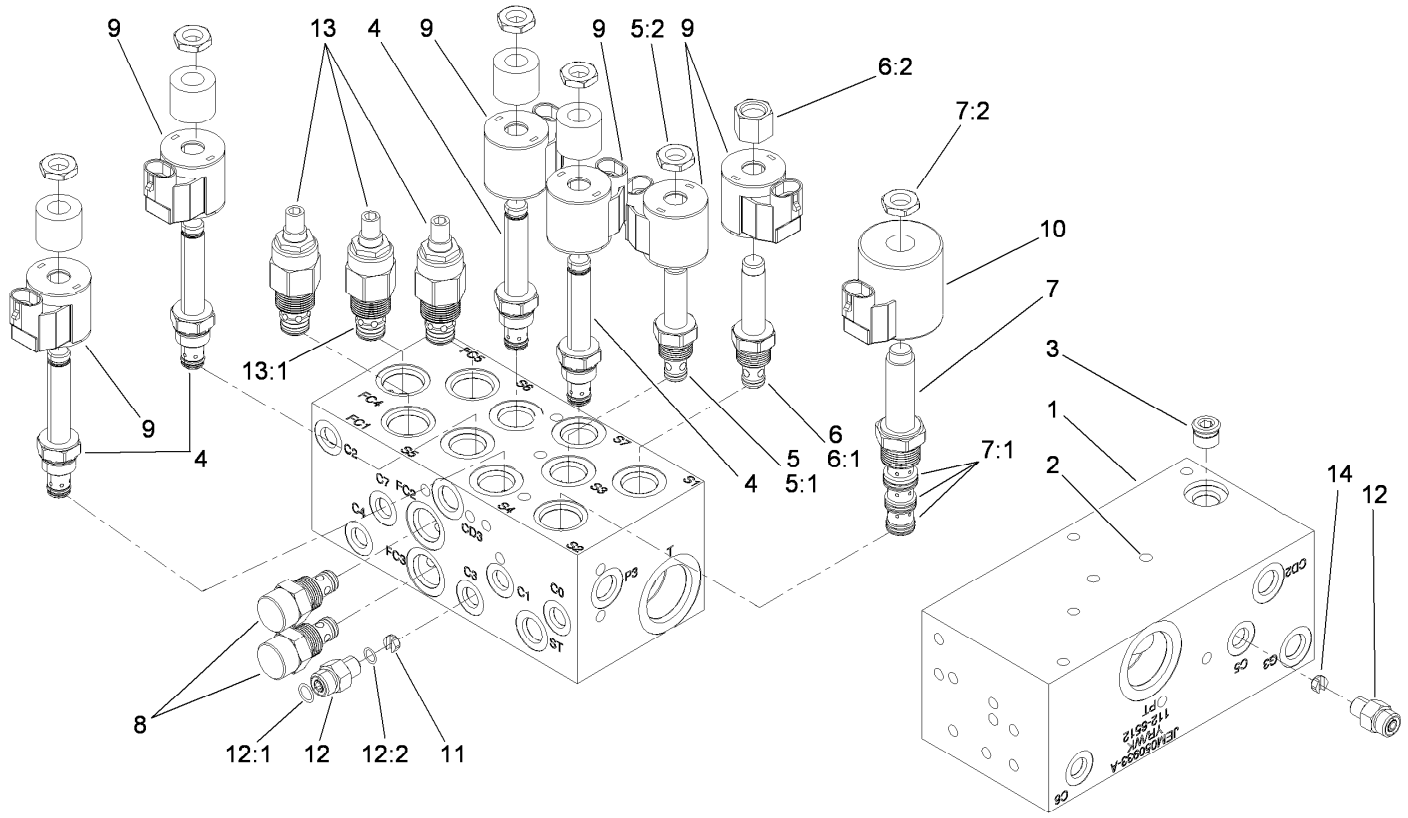
Ref.	Part Number	Qty.	Description
12	110-8767	2	Rotary Handle ASM
13	110-8769	2	Valve-Control, Manual Flow
13:1	110-2633	1	Seal Kit (Not Illustrated)
14	112-6534	4	Ring-Back Up
15	110-8758	2	Handle-Spool
16	110-8862	2	Decal-Serial Plate
17	72-4320	2	Switch-Ball
18	112-6533	2	Pin-Dowel
19	110-8759	1	Valve-Check
19:1	110-8772	1	Seal Kit (Not Illustrated)
20	110-8757	2	O-Ring
21	112-6532	4	Ring-Retaining
22	112-6531	4	Pin-Spring
23	112-6530	2	Coil ASM



Front Hydraulic Control Block and Hose Assembly

Ref.	*Part Number*	*Qty.*	*Description*
2	340-2	4	Fitting-HYD, Straight
2:1	237-22	1	O-Ring
2:2	237-42	1	O-Ring
3	112-6512	1	Lift Manifold Block ASM
5	59-7410	1	Tip-Nipple, Diagnostic
5:1	237-42	1	O-Ring
6	354-79	1	Cap-Dust
7	340-103	1	Fitting-HYD, 45 DEG
7:1	237-78	1	O-Ring
7:2	237-21	1	O-Ring
8	98-4584	1	HYD Hose ASM
9	340-92	5	Fitting-HYD, Straight
9:1	237-78	1	O-Ring
9:2	237-21	1	O-Ring

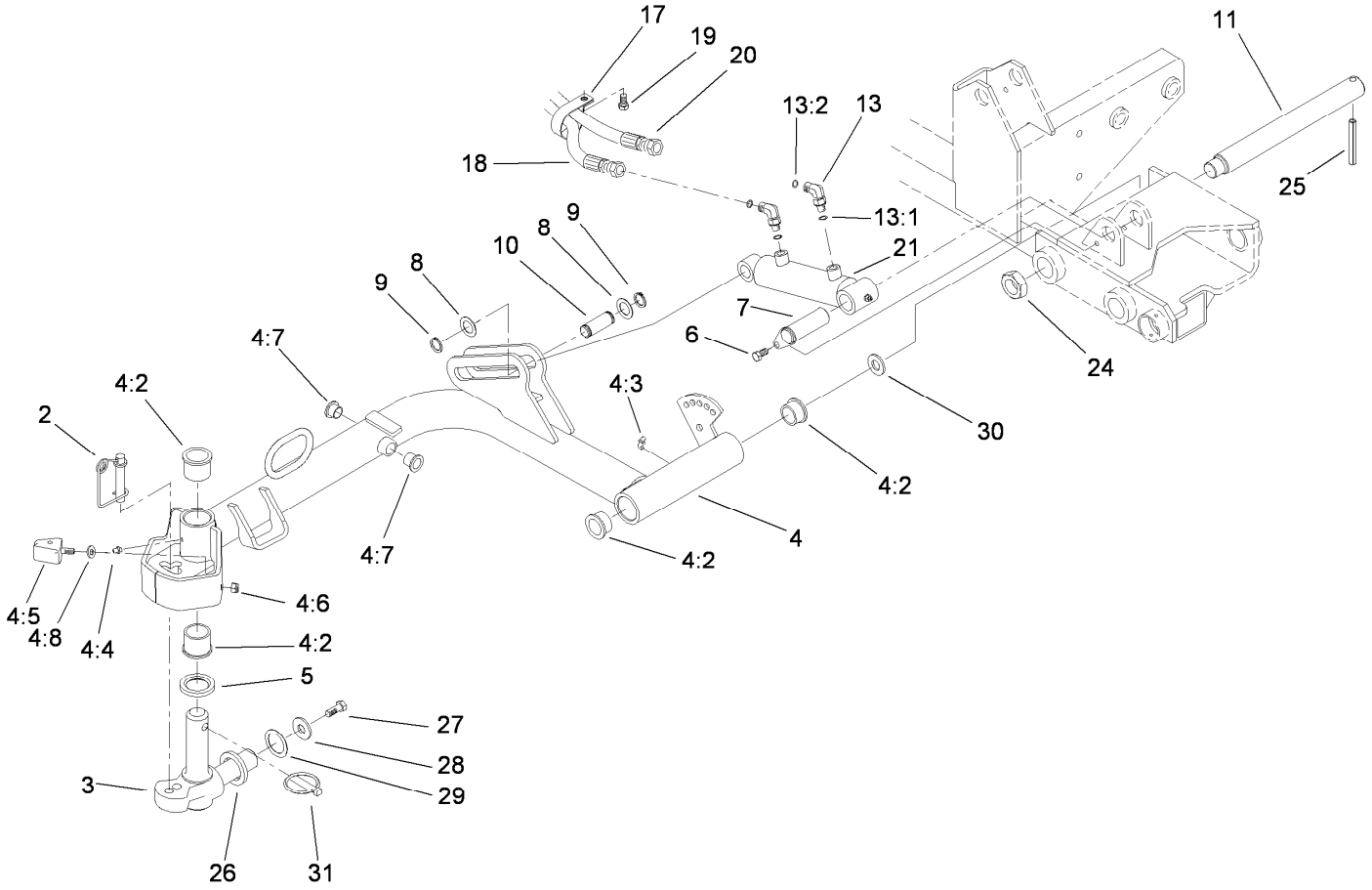
Ref.	*Part Number*	*Qty.*	*Description*
10	340-15	1	Fitting-HYD, 90 DEG
10:1	237-58	1	O-Ring
10:2	237-146	1	O-Ring
11	112-6588-01	1	Bracket-Manifold Block
12	3234-17	4	Screw-HHF
16	3217-6	1	Nut-Hex
17	115-2009	1	Hanger-Hose
18	3296-29	1	Nut-Lock, NI
19	104-3797	1	Fitting-HYD, Straight
19:1	237-146	1	O-Ring
19:2	340-65	1	O-Ring
20	322-3	3	Screw-HH
27	3253-4	3	Washer-Lock
28	104-3716	1	HYD Hose ASM



Lift Manifold Assembly No. 112-6512

Ref.	*Part Number*	*Qty.*	*Description*
1		1	Manifold Block ●
2		22	Plug-Expander ●
3		1	Plug-Zero Leak ●
4	115-2041	4	Valve-Solenoid, Blocking
5	107-7516	1	Valve-Solenoid
5:1	105-9156	1	Seal Kit
5:2	110-2634	1	Nut-Coil
6	107-7517	1	Valve-Solenoid
6:1	105-9156	1	Seal Kit
6:2	107-7812	1	Nut-Solenoid
7	110-8906	1	Valve-Solenoid
7:1	110-8908	1	Seal Kit
7:2	110-2634	1	Nut-Coil
8	110-9748	2	Valve-Control, Flow
9	110-0497	6	Coil-Solenoid
10	110-6344	1	Coil-12V, Dc
11	115-2042	1	Orifice-Control, Flow
12	340-92	2	Fitting-HYD, Straight
12:1	237-78	1	O-Ring
12:2	237-21	1	O-Ring
13	112-9208	3	Valve-Control, Flow
13:1	110-2633	1	Seal Kit
14	115-2043	1	Orifice-Control, Flow

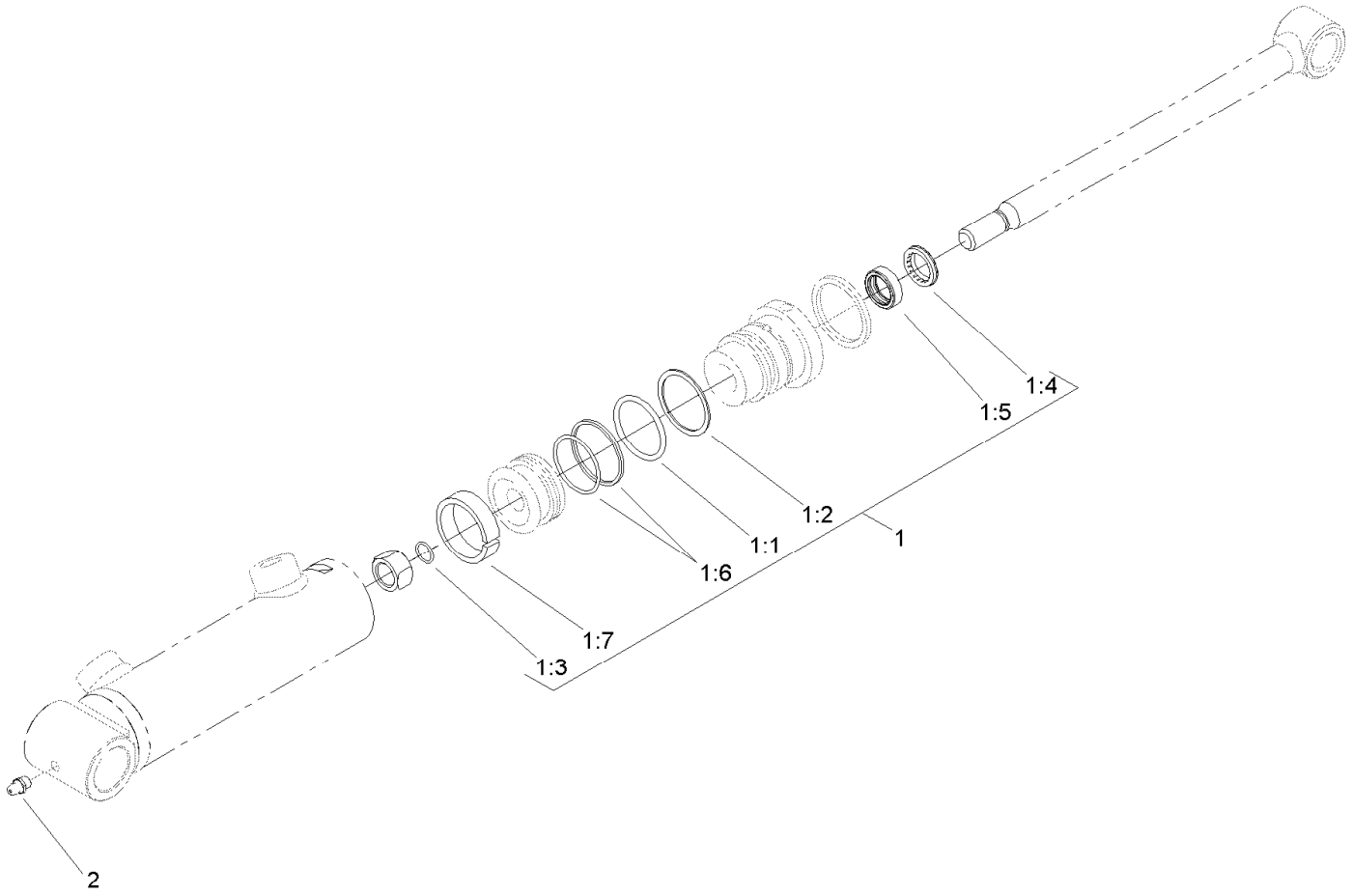
● Not serviced separately



Front No. 1 Lift Arm Assembly

Ref.	Part Number	Qty.	Description
2	99-5610	1	Pin
3	98-1880-03	1	Knuckle-Pivot
4	105-3366	1	No. 1 Lift Arm ASM
4:2	104-0015	4	Bushing-Flange
4:3	302-60	1	Fitting-Grease
4:4	302-5	1	Fitting-Grease
4:5	106-9004	2	Bumper
4:6	3296-29	2	Nut-Lock, NI
4:7	256-287	2	Bushing
4:8	3255-8	2	Washer-Lock
5	94-8946	1	Washer-Thrust
6	32144-14	1	Screw-HWHTF
7	106-9208	1	Short Cylinder Pin ASM
8	94-9998	2	Washer-Thrust
9	94-9974	2	Ring-Retaining
10	75-5350	1	Pin-Slide, Cylinder
11	95-7158	1	Pin-Pivot

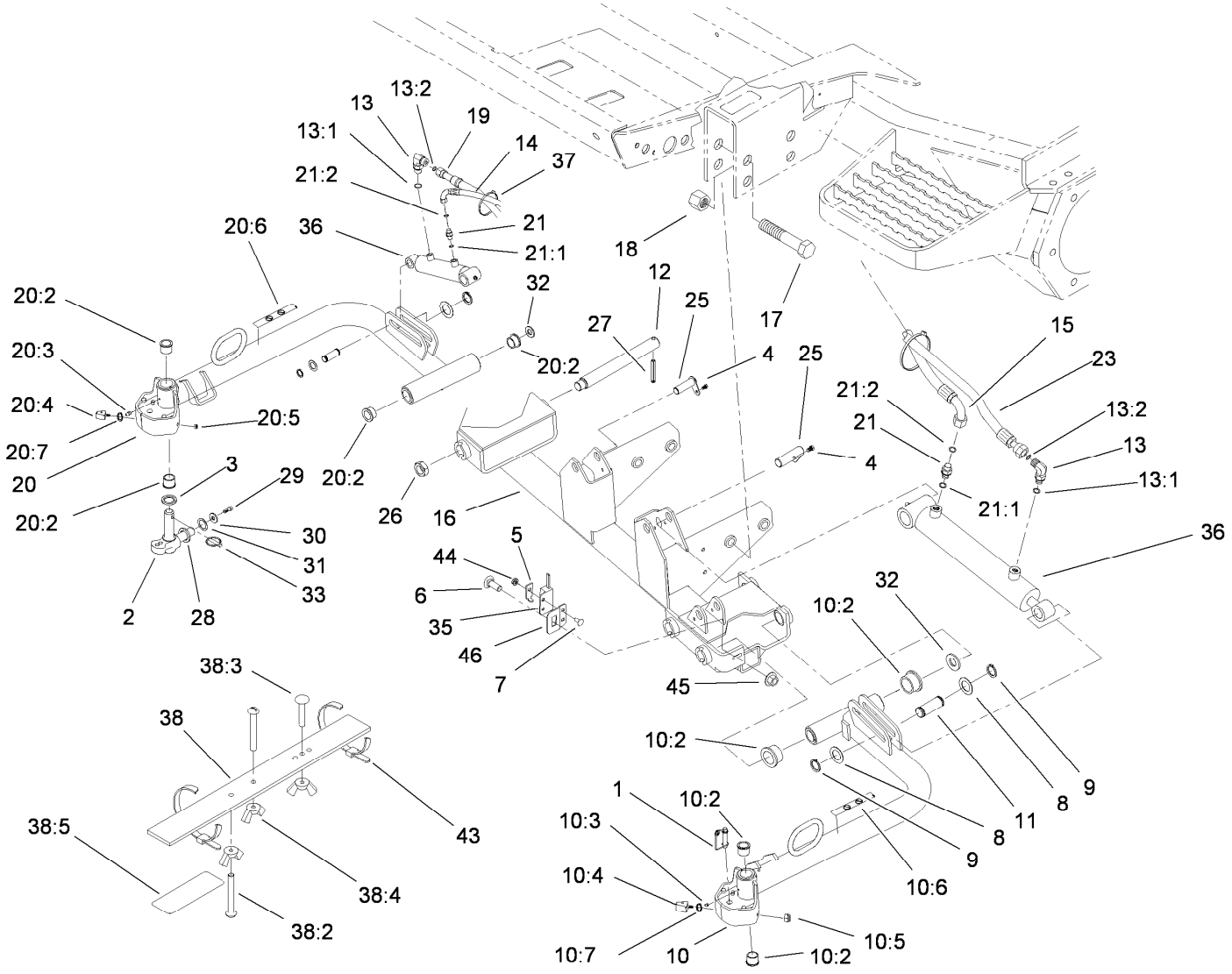
Ref.	Part Number	Qty.	Description
13	340-132	2	Fitting-HYD, 90 DEG
13:1	237-78	1	O-Ring
13:2	237-21	1	O-Ring
17	2412-96	1	Clamp-R
18	115-2024	1	HYD Hose ASM
19	322-4	1	Screw-HH
20	112-6589	1	HYD Hose ASM
21	108-4437	1	Cylinder-Lift, HYD
24	3296-49	1	Nut-Lock, NI
25	32121-110	1	Pin-Roll, Slotted
26	98-7974	1	Washer-Thrust
27	98-7993	1	Screw-HHF
28	3256-6	1	Washer-Flat
29	3-6781	1	Washer-Thrust
30	76-2980	3	Washer-Thrust
31	283-71	1	Pin-Lynch



Lift Cylinder Assembly No. 108-4437

Ref.	*Part Number*	*Qty.*	*Description*
1	110-4132	1	Seal Kit
1:1		1	O-Ring ●
1:2		1	Back-Up Ring ●
1:3		1	O-Ring ●
1:4		1	Wiper ●
1:5		1	Seal ●
1:6		1	Seal W/Loader ●
1:7		1	Wear Ring ●
2	302-5	1	Fitting-Grease

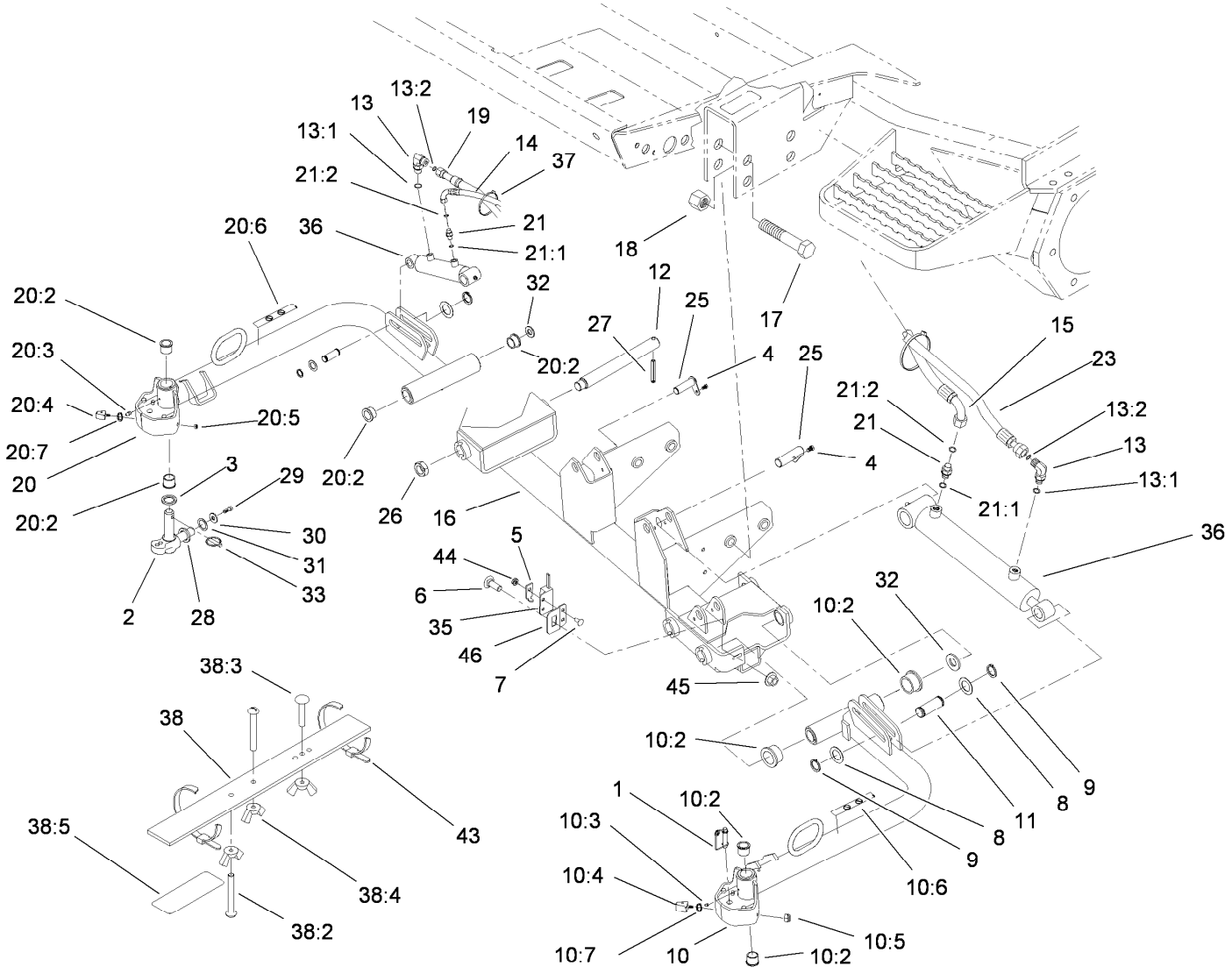
● Not serviced separately



Front No. 4 and No. 5 Lift Arm Assembly

Ref.	Part Number	Qty.	Description
1	99-5610	2	Pin
2	98-1880-03	2	Knuckle-Pivot
3	94-8946	2	Washer-Thrust
4	32144-14	2	Screw-HWHTF
5	100-4872	1	Plate-Switch, Neutral
6	3231-22	1	Screw-CARR
7	104-1450	1	Bolt-CARR
8	94-9998	4	Washer-Thrust
9	94-9974	4	Ring-Retaining
10	105-3359	1	No. 4 Lift Arm ASM
10:2	104-0015	4	Bushing-Flange
10:3	302-5	2	Fitting-Grease
10:4	106-9004	2	Bumper
10:5	3296-29	2	Nut-Lock, NI
10:6	93-6687	1	Decal-No Step
10:7	3255-8	2	Washer-Lock
11	75-5350	2	Pin-Slide, Cylinder
12	95-7158	2	Pin-Pivot
13	340-132	2	Fitting-HYD, 90 DEG
13:1	237-78	1	O-Ring
13:2	237-21	1	O-Ring

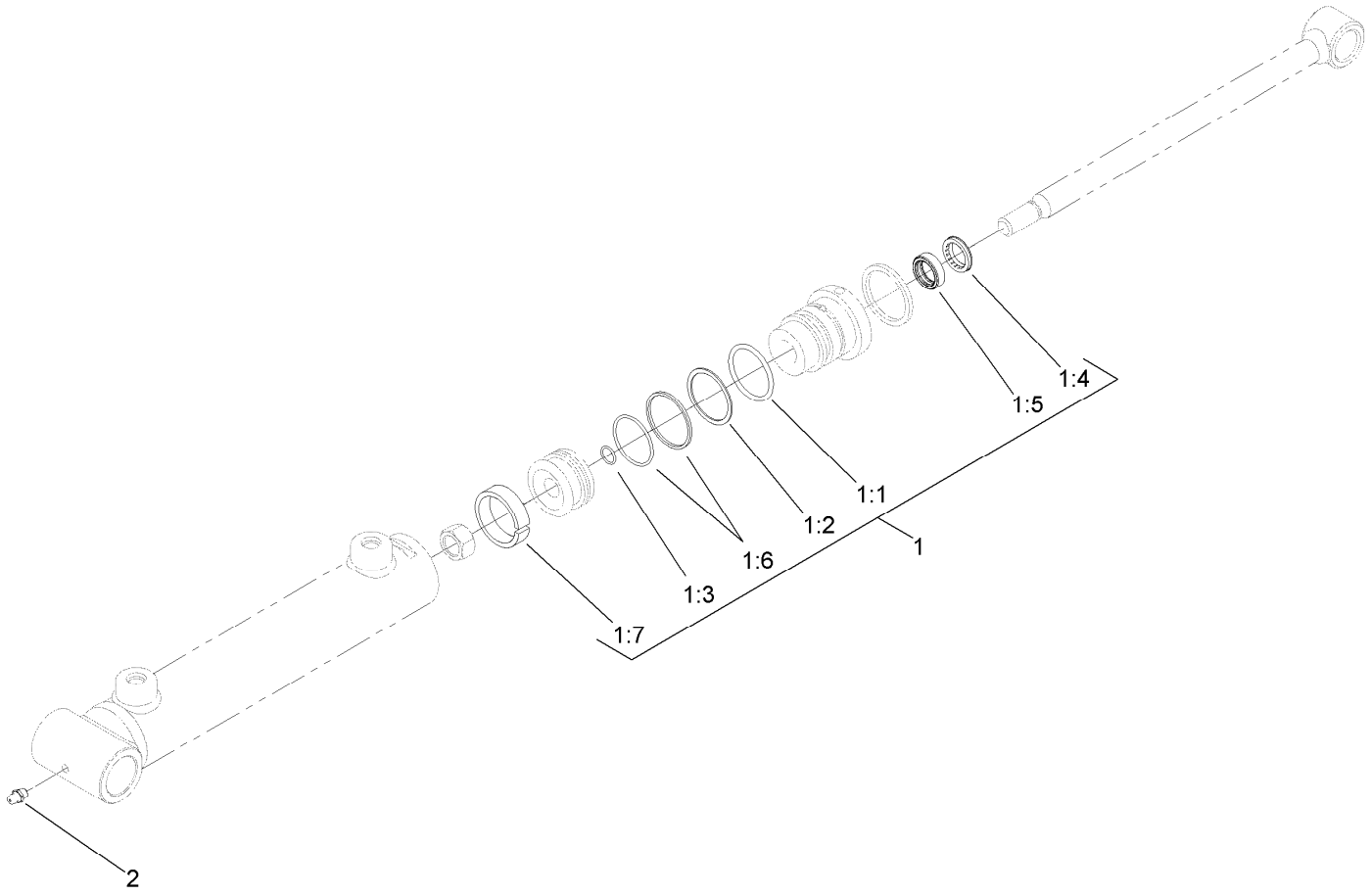
Ref.	Part Number	Qty.	Description
14	105-7948	1	Hyd Hose ASM
15	105-7945	1	Hyd Hose ASM
16	105-3347-03	1	Frame-Carrier, Front
17	328-7	4	Screw-HH
18	3296-51	4	Nut-Lock, NI
19	115-2026	1	HYD Hose ASM
20	105-0110	1	No. 5 Lift Arm ASM
20:2	104-0015	4	Bushing-Flange
20:3	302-5	2	Fitting-Grease
20:4	106-9004	2	Bumper
20:5	3296-29	2	Nut-Lock, NI
20:6	93-6687	1	Decal-No Step
20:7	3255-8	2	Washer-Lock
21	340-92	2	Fitting-HYD, Straight
21:1	237-78	1	O-Ring
21:2	237-21	1	O-Ring
23	92-1718	1	Hose ASM
25	105-9889	2	Cylinder Pin ASM
26	3296-49	2	Nut-Lock, NI
27	32121-110	2	Pin-Roll, Slotted
28	98-7974	2	Washer-Thrust



Front No. 4 and No. 5 Lift Arm Assembly (continued)

Ref.	Part Number	Qty.	Description
29	98-7993	2	Screw-HHF
30	3256-6	2	Washer-Flat
31	3-6781	2	Washer-Thrust
32	76-2980	6	Washer-Thrust
33	283-71	2	Pin-Lynch
35	100-1270	1	Switch-Proximity
36	110-9709	2	Cylinder-HYD
37	3290-378	2	Tie-Cable
38	108-6715	1	Gauge Bar ASM

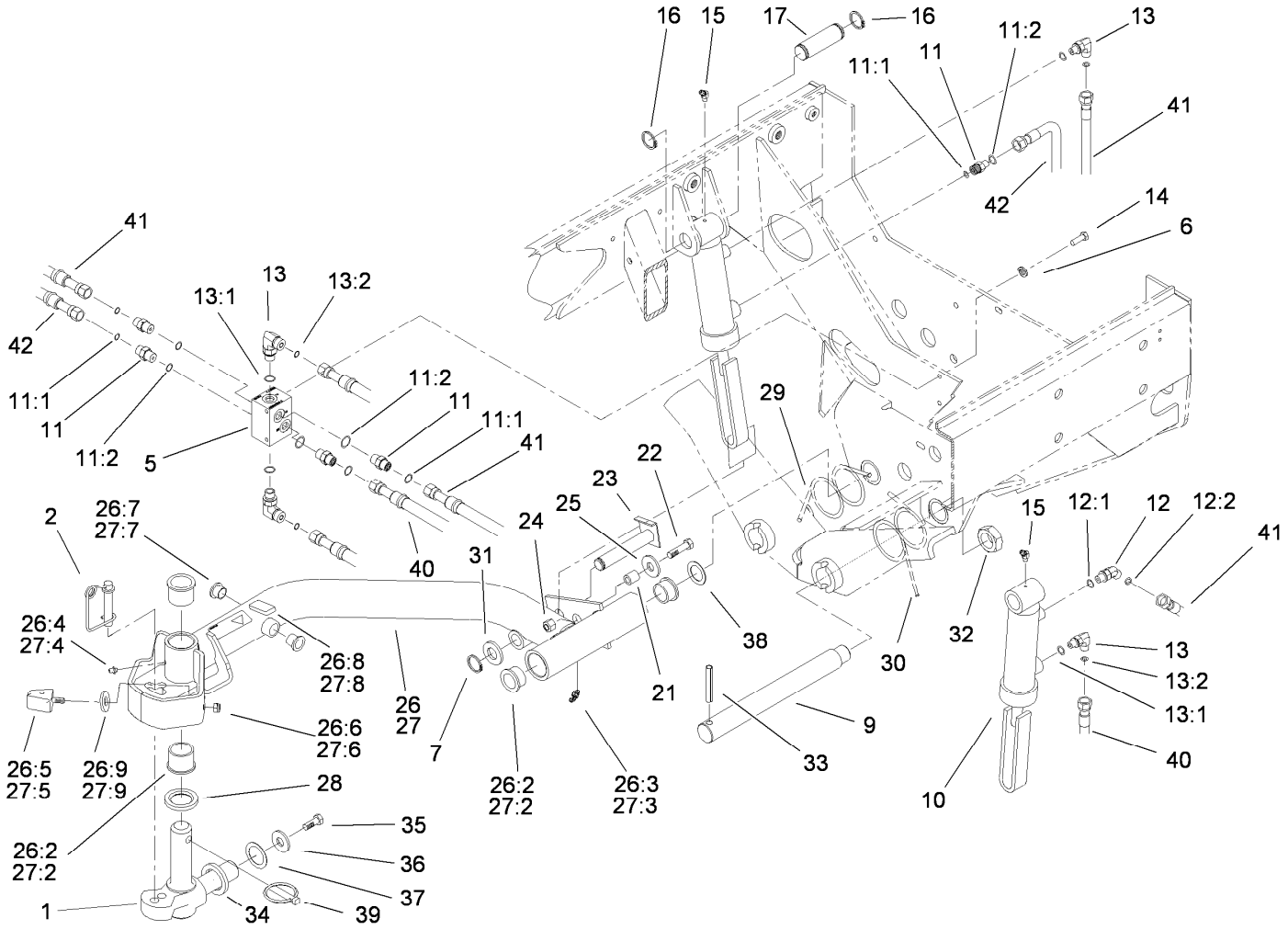
Ref.	Part Number	Qty.	Description
38:2	32122-54	2	Screw-Head, Truss
38:3	108-6714	1	Stud-Weld
38:4	32103-3	3	Nut-Wing
38:5	108-6712	1	Decal-Gauge, Bar
43	3334-945	2	Tie-Cable
44	32149-7	1	Nut-Keps
45	32128-43	1	Nut-Flange
46	105-3351	1	Bracket-Switch



Hydraulic Cylinder Assembly No. 110-9709

Ref.	*Part Number*	*Qty.*	*Description*
1	110-4132	1	Seal Kit
1:1		1	O-Ring ●
1:2		1	Back-Up Ring ●
1:3		1	O-Ring ●
1:4		1	Wiper ●
1:5		1	Seal ●
1:6		1	Seal W/Loader ●
1:7		1	Wear Ring ●
2	302-5	1	Fitting-Grease

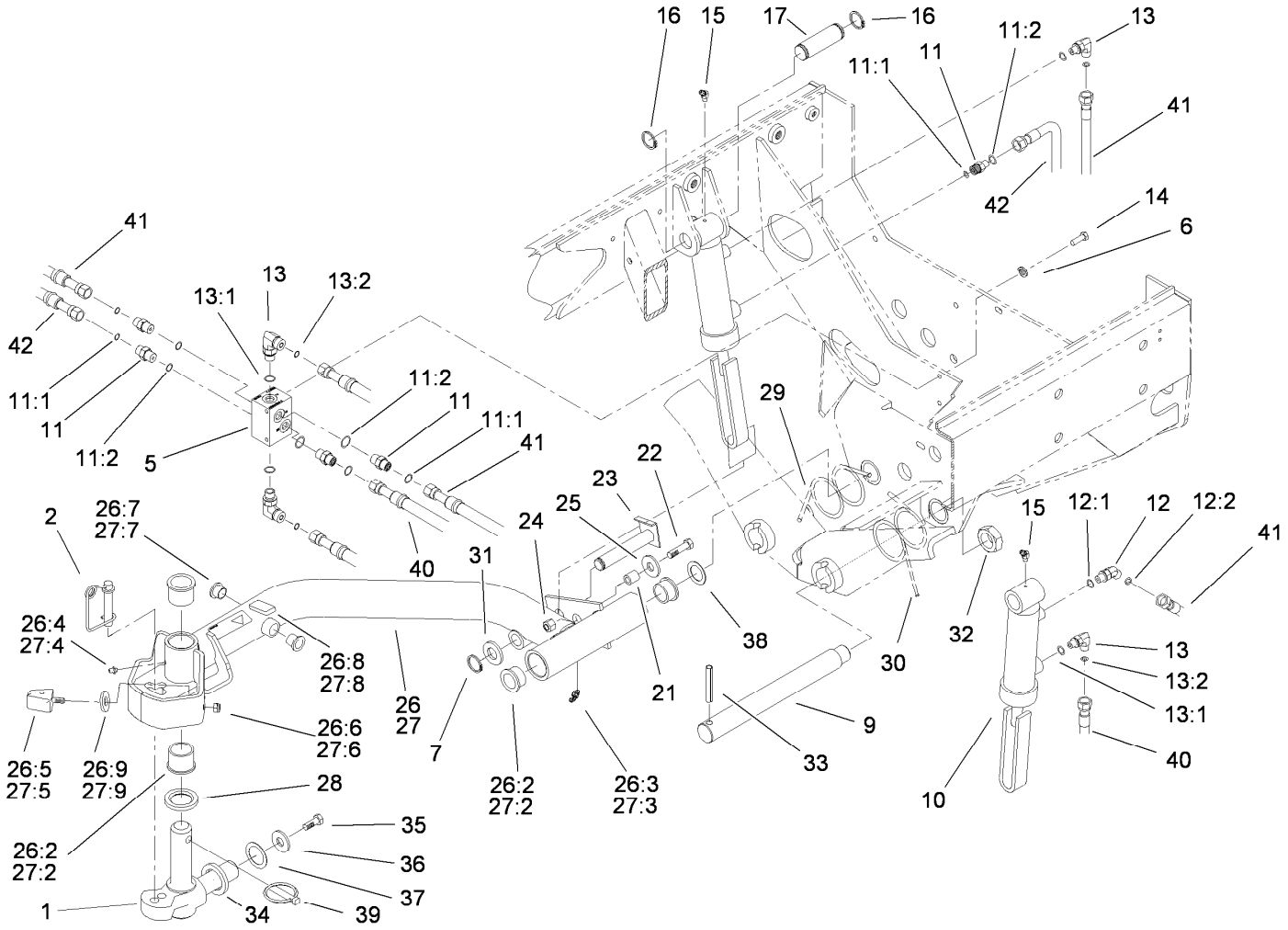
● Not serviced separately



Rear No. 2 and No. 3 Lift Arm Assembly

Ref.	Part Number	Qty.	Description
1	98-1880-03	2	Knuckle-Pivot
2	99-5610	2	Pin
5	114-3963	1	Manifold-Flow Divider
6	3253-3	2	Washer-Lock
7	94-9974	2	Ring-Retaining
9	95-7158	2	Pin-Pivot
10	108-4438	2	Cylinder-Lift, HYD
11	340-92	5	Fitting-HYD, Straight
11:1	237-78	1	O-Ring
11:2	237-21	1	O-Ring
12	340-103	1	Fitting-HYD, 45 DEG
12:1	237-78	1	O-Ring
12:2	237-21	1	O-Ring
13	340-132	4	Fitting-HYD, 90 DEG
13:1	237-78	1	O-Ring
13:2	237-21	1	O-Ring
14	321-4	2	Screw-HH
15	302-11	2	Fitting-Lube, 45 DEG
16	32151-36	4	Ring-Retaining
17	92-7548	2	Pin-Cylinder
21	82-6840	2	Spacer

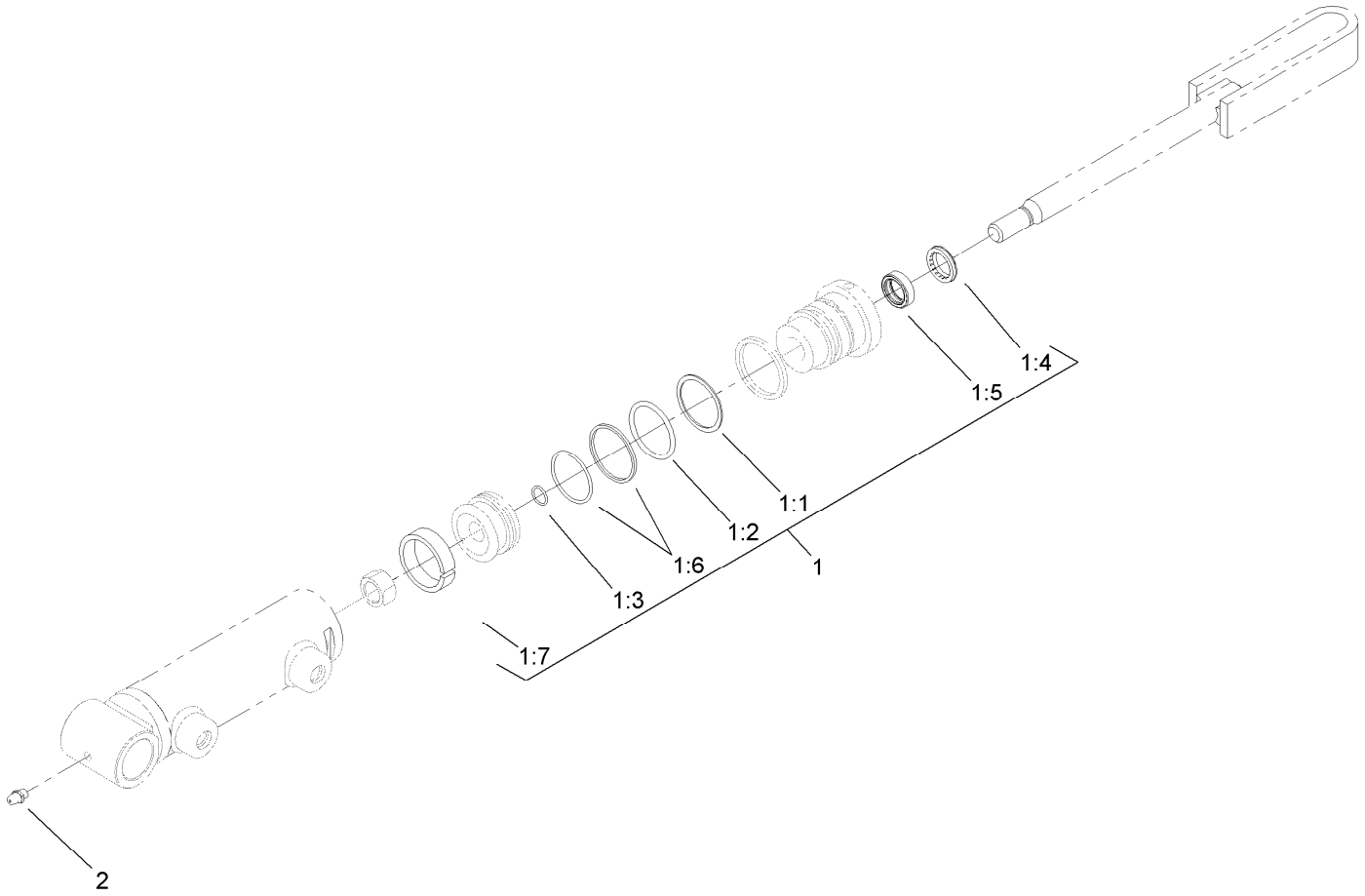
Ref.	Part Number	Qty.	Description
22	322-7	2	Screw-HH
23	99-2560	2	Pin
24	3296-29	2	Nut-Lock, NI
25	3256-3	2	Washer-Flat
26	105-3363	1	No. 3 Lift Arm ASM
26:2	104-0015	4	Bushing-Flange
26:3	302-11	1	Fitting-Lube, 45 DEG
26:4	302-5	1	Fitting-Grease
26:5	106-9004	2	Bumper
26:6	3296-29	2	Nut-Lock, NI
26:7	256-287	2	Bushing
26:8	93-6696	1	Decal-Warning
26:9	3255-8	2	Washer-Lock
27	105-3362	1	No. 2 Lift Arm ASM
27:2	104-0015	4	Bushing-Flange
27:3	302-11	1	Fitting-Lube, 45 DEG
27:4	302-5	1	Fitting-Grease
27:5	106-9004	2	Bumper
27:6	3296-29	2	Nut-Lock, NI
27:7	256-287	2	Bushing
27:8	93-6696	1	Decal-Warning



Rear No. 2 and No. 3 Lift Arm Assembly (continued)

Ref.	Part Number	Qty.	Description
27:9	3255-8	2	Washer-Lock
28	94-8946	2	Washer-Thrust
29	99-5608-03	1	Spring-Torsion, RH
30	99-5609-03	1	Spring-Torsion, LH
31	67-6570	2	Spacer-Wheel
32	3296-49	2	Nut-Lock, NI
33	32121-110	2	Pin-Roll, Slotted
34	98-7974	2	Washer-Thrust

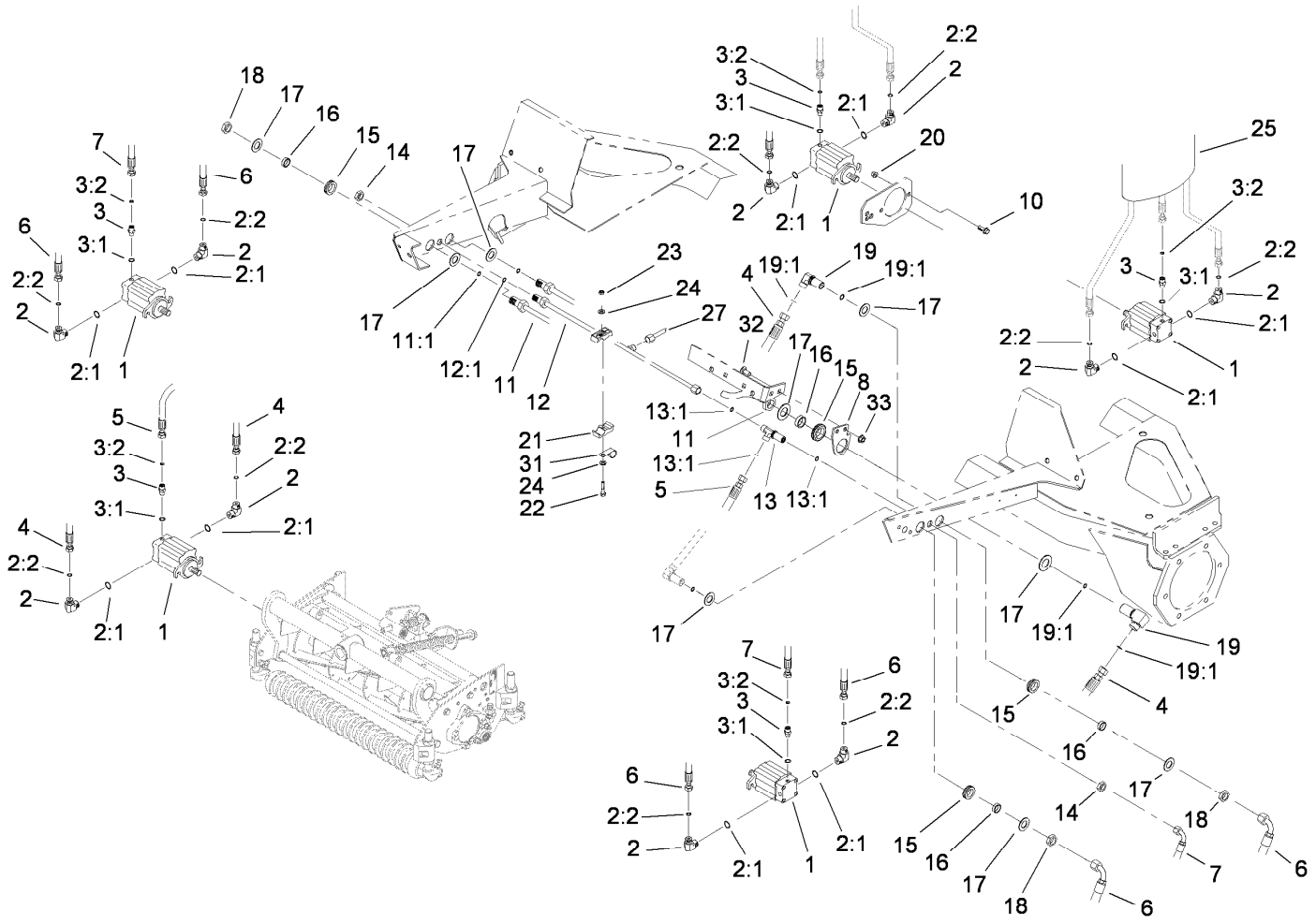
Ref.	Part Number	Qty.	Description
35	98-7993	2	Screw-HHF
36	3256-6	2	Washer-Flat
37	3-6781	2	Washer-Thrust
38	76-2980	2	Washer-Thrust
39	283-71	2	Pin-Lynch
40	105-7919	1	Hyd Hose ASM
41	115-2019	2	HYD Hose ASM
42	115-2018	1	HYD Hose ASM



Hydraulic Cylinder Assembly No. 108-4438

Ref.	*Part Number*	*Qty.*	*Description*
1	110-4132	1	Seal Kit
1:1		1	O-Ring ●
1:2		1	Back-Up Ring ●
1:3		1	O-Ring ●
1:4		1	Wiper ●
1:5		1	Seal ●
1:6		1	Seal W/Loader ●
1:7		1	Wear Ring ●
2	302-5	1	Fitting-Grease

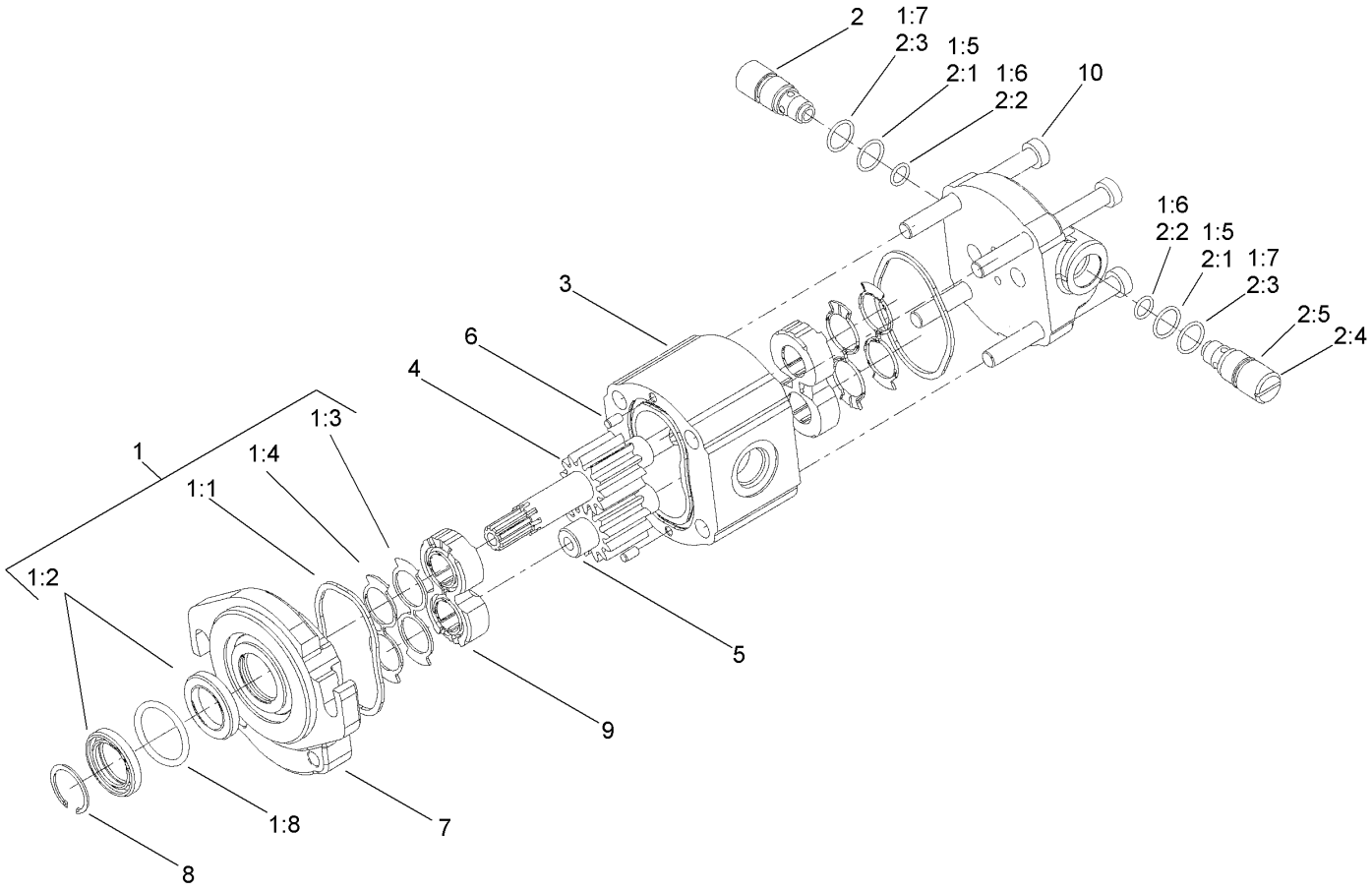
● Not serviced separately



Reel Motor Assembly

Ref.	Part Number	Qty.	Description
1	110-1717	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	340-92	5	Fitting-HYD, Straight
3:1	237-78	1	O-Ring
3:2	237-21	1	O-Ring
4	105-7902	2	HYD Hose ASM
5	92-7560	1	HYD Hose ASM
6	105-7901	4	HYD Hose ASM
7	92-7559	2	HYD Hose ASM
8	106-7788-03	1	Mount-Fitting
10	3234-11	10	Screw-HHF
11	93-4219	1	Tube ASM
11:1	237-30	1	O-Ring
12	108-6063	1	Front Drain Tube ASM
12:1	237-22	2	O-Ring
13	340-68	1	Fitting-Tee, Bulkhead

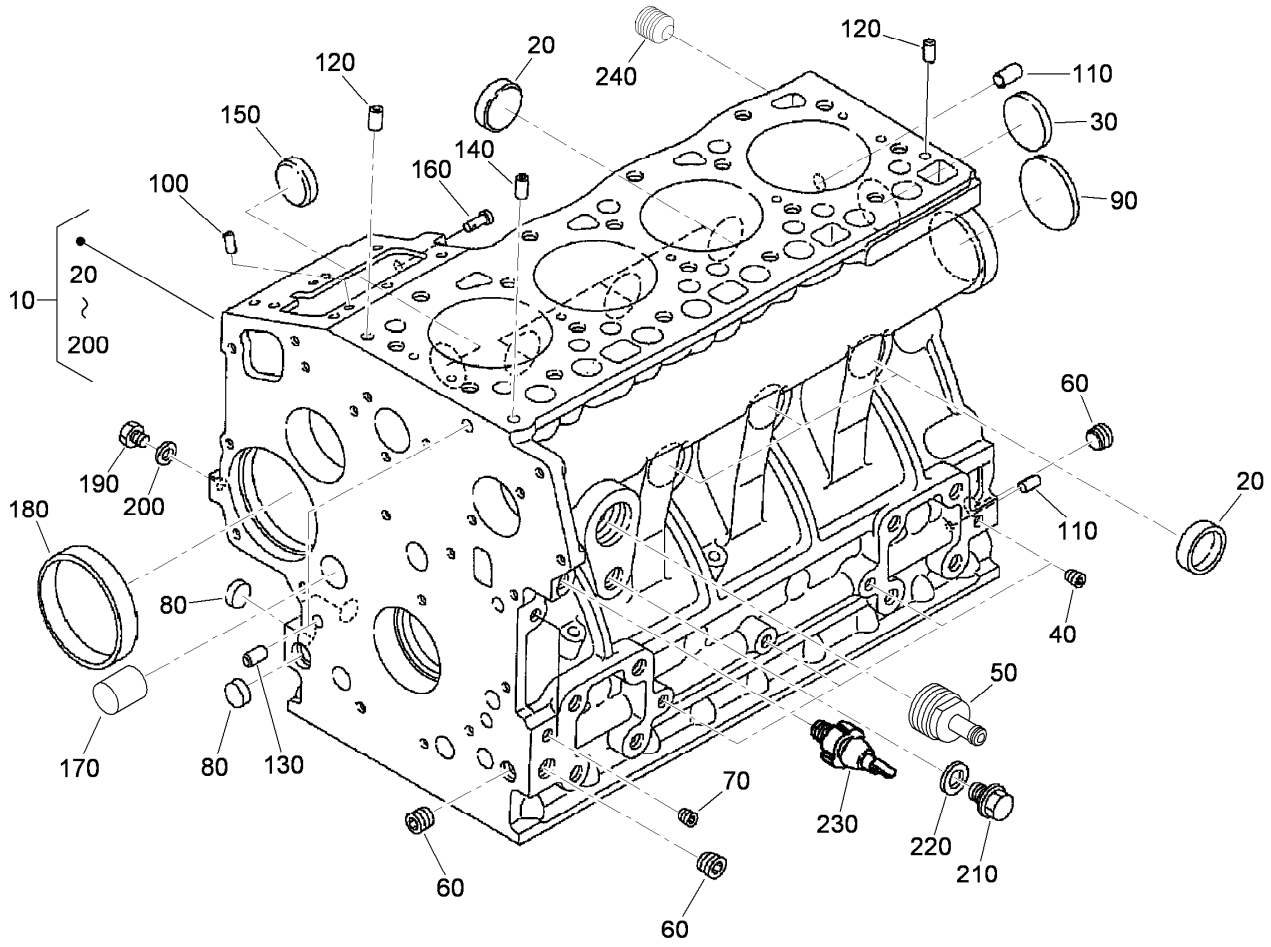
Ref.	Part Number	Qty.	Description
13:1	237-22	3	O-Ring
14	340-70	2	Nut-Lock
15	240-5	5	Grommet
16	69-8960	5	Spacer
17	69-8930	10	Washer
18	340-127	5	Nut-Bulkhead
19	93-9151	2	Fitting-HYD
19:1	237-30	2	O-Ring
20	32128-43	10	Nut-Flange
21	56-7972	4	Clamp-Tube
22	322-7	2	Screw-HH
23	3296-29	2	Nut-Lock, NI
24	3256-23	4	Washer-Flat
25	99-5617	5	Sleeve-Protective
27	112-6579	1	Drain Tube ASM
31	2412-150	1	Clip-J
32	3230-23	2	Screw-CARR
33	32128-20	2	Nut-HF



Hydraulic Motor Assembly No. 110-1717

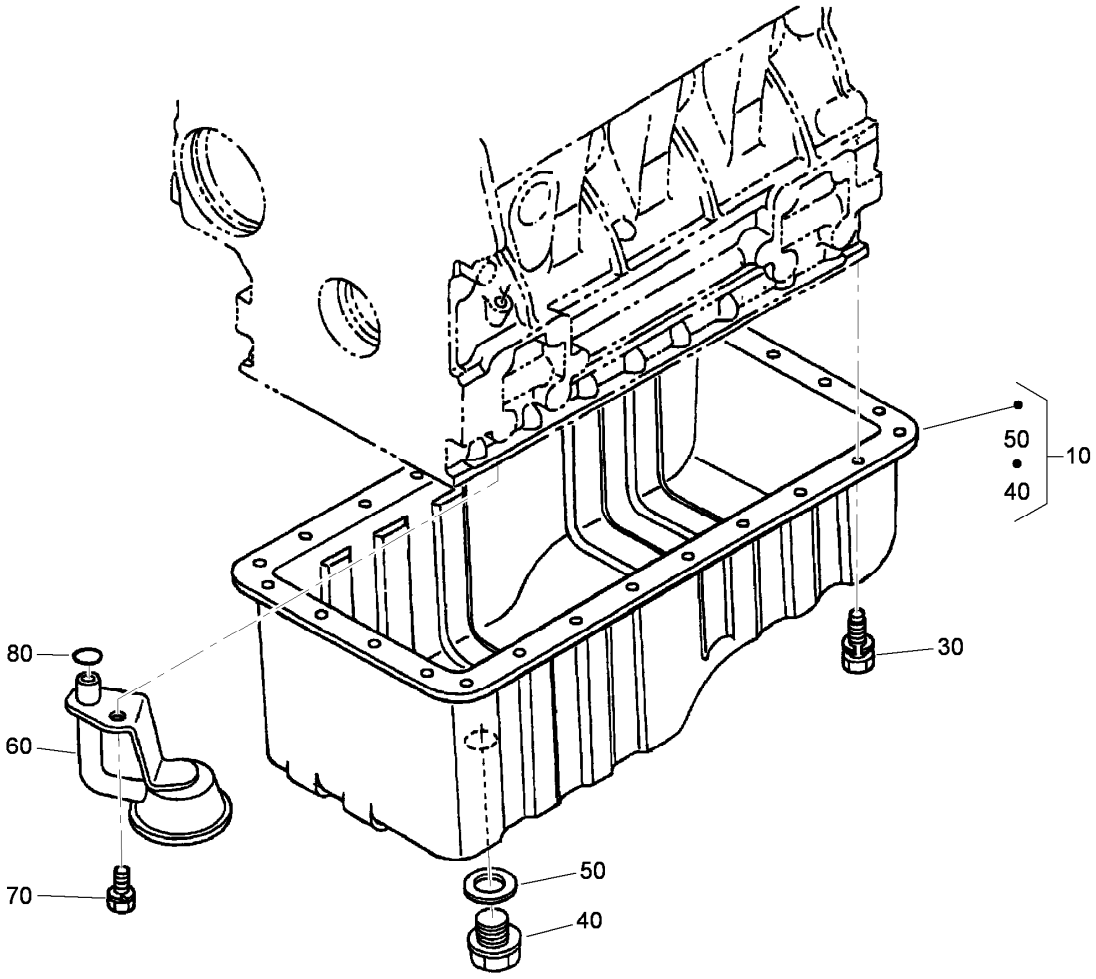
Ref.	*Part Number*	*Qty.*	*Description*
1	110-0040	1	Seal Kit
1:1		2	Ring ●
1:2		2	Seal-Shaft ●
1:3		2	Seal ●
1:4		2	Seal-Anti Extrusion ●
1:5		2	Seal-Valve, Relief ●
1:6		2	Seal-Valve, Relief ●
1:7		2	Ring-Backup ●
1:8		1	Ring-Spacer ●
2	110-0041	2	Relief Cartridge Kit
2:1		1	Seal ●
2:2		1	Seal ●
2:3		1	Ring-Backup ●
2:4		1	Cap-Relief ●
2:5		1	Valve-Relief ●
3		1	Body ●
4		1	Gear-Drive ●
5		1	Gear-Driven ●
6		2	Pin-Dowel ●
7		1	Cover-Front ●
8		1	Ring-Retaining ●
9		2	Block-Bearing ●
10		4	Screw ●

● Not serviced separately



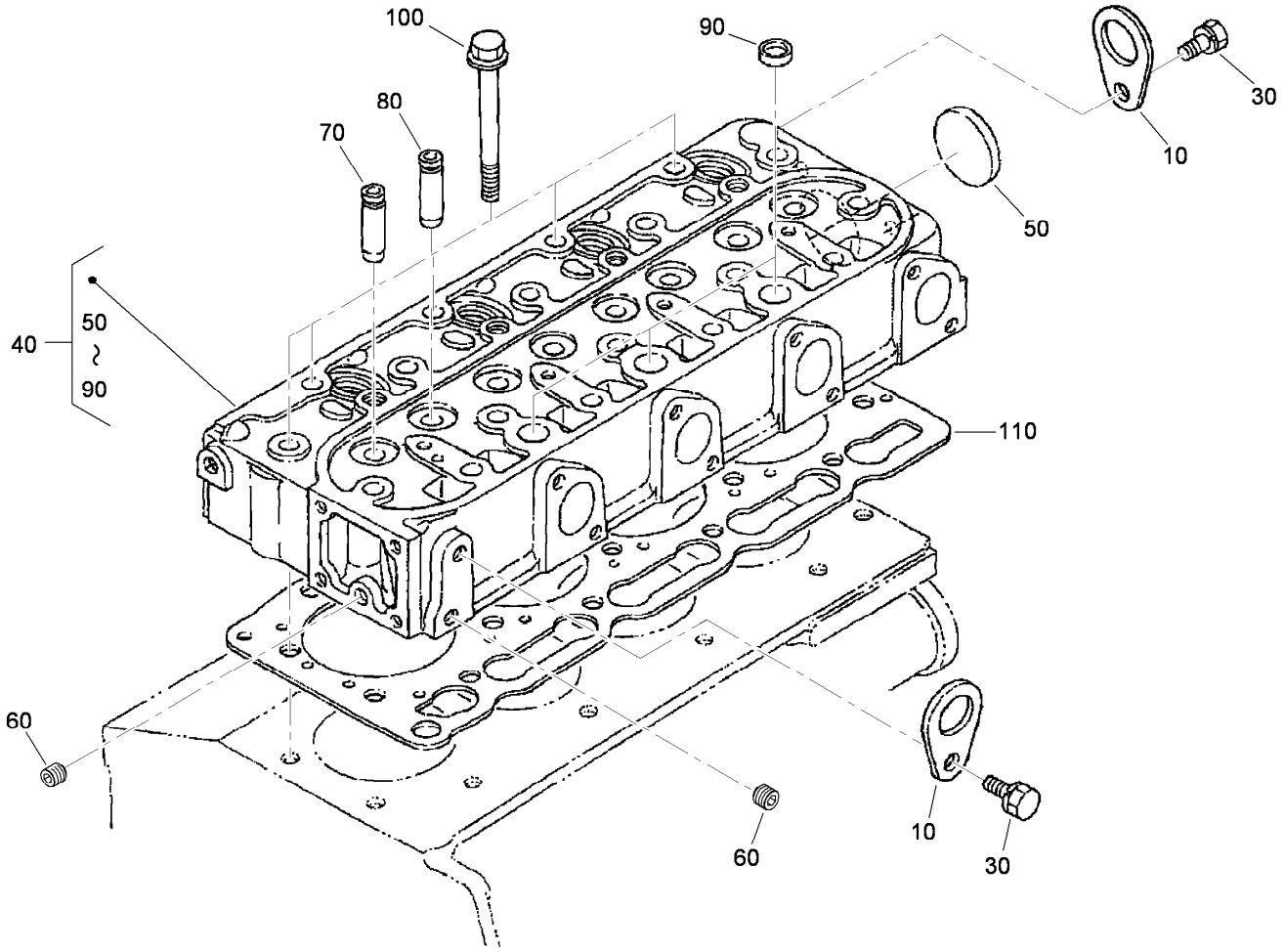
Crankcase Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	115-4115	1	Crankcase ASM
20	98-9398	6	Cap-Sealing
30	98-7539	1	Cap-Sealing
40	98-7540	4	Plug
50	99-8347	1	Joint-Pipe, Drain
60	98-9597	3	Plug
70	98-7487	2	Plug
80	98-9379	3	Plug-Expansion
90	98-9668	1	Plug-Expansion
100	98-9375	1	Pin-Straight
110	98-9377	1	Pin-Straight
120	98-9376	2	Pin-Straight
130	98-9387	2	Pin-Pipe
140	98-9539	1	Pin-Pipe
150	98-9599	1	Plug
160	105-3796	1	Pin-Spring, Start
170	98-9675	1	Plug
180	98-9656	1	Bushing-Governor, Gear
190	98-7507	1	Plug
200	98-7428	1	Gasket
210	99-3447	1	Plug
220	106-7056	1	Gasket
230	98-9416	1	Switch-Oil
240	98-9444	1	Plug



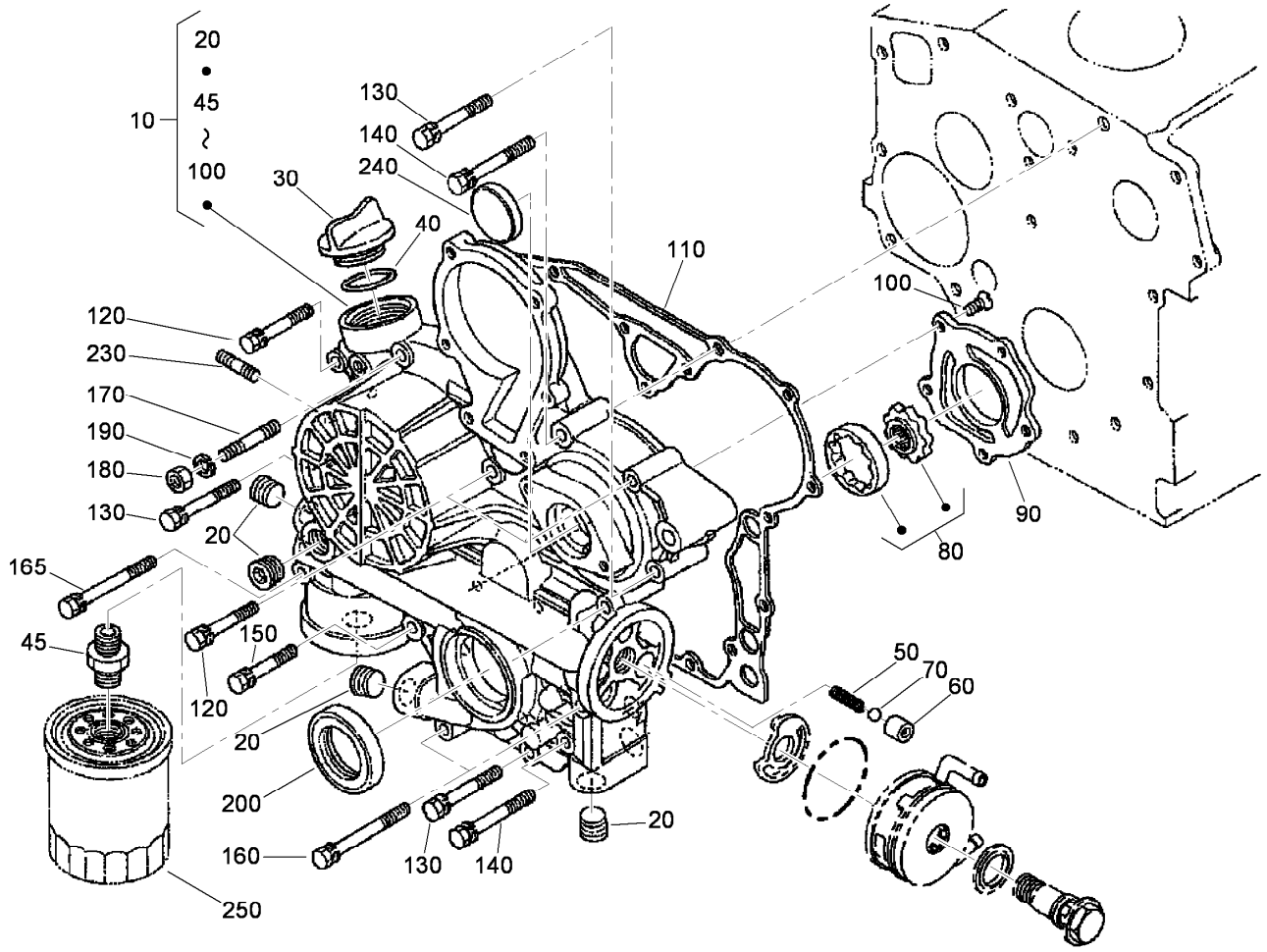
Oil Pan Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	110-9714	1	Oil Pan
30	98-9351	26	Bolt
40	105-3703	1	Plug-Drain
50	110-9715	1	Gasket-Pan, Oil
60	115-4116	1	Filter-Oil
70	98-7526	1	Bolt
80	105-3776	1	O-Ring



Cylinder Head Assembly

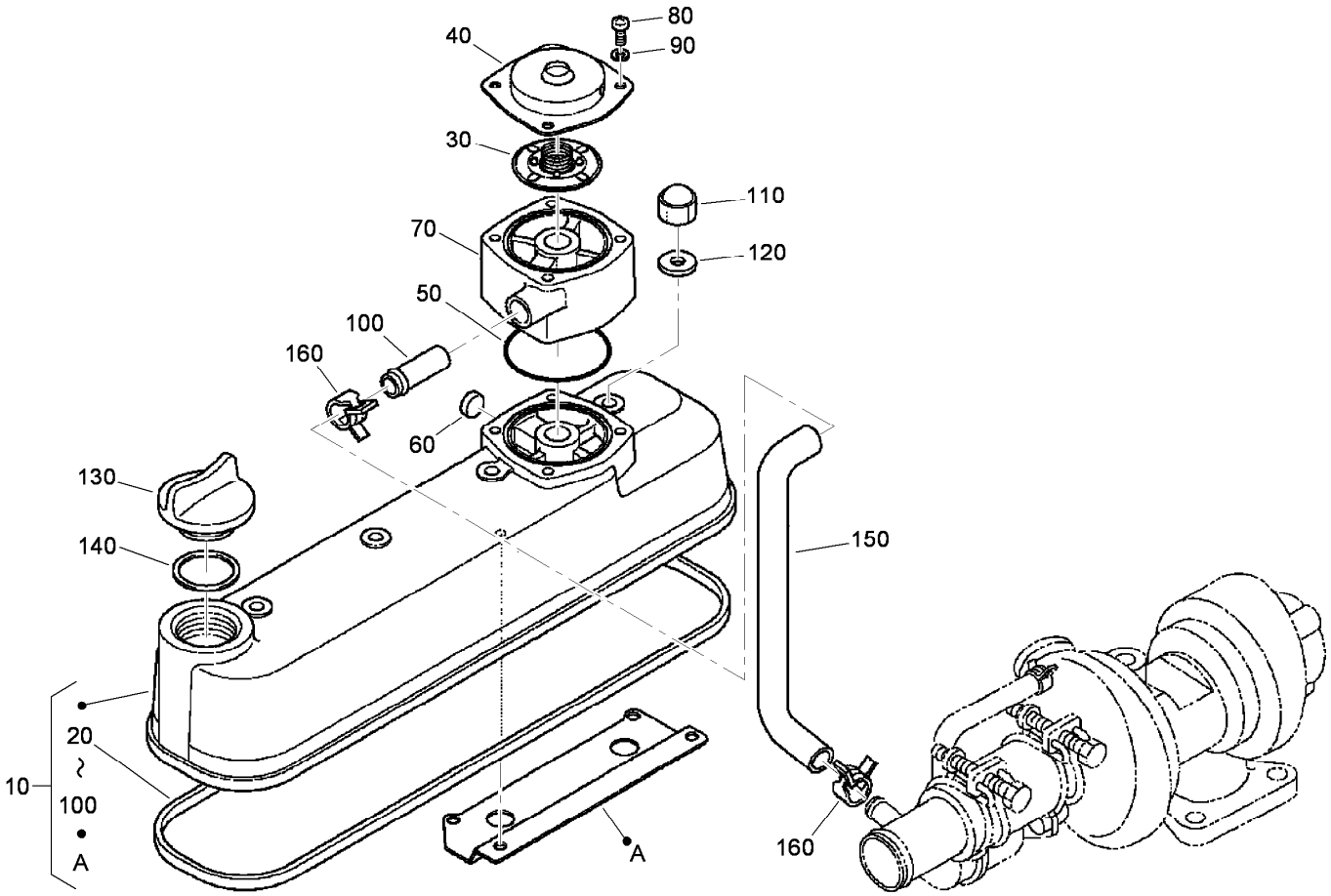
Ref.	*Part Number*	*Qty.*	*Description*
10	98-7531	2	Hook-Engine
30	100-9195	2	Bolt
40	108-2854	1	Cylinder Head ASM
50	105-3705	1	Cap-Sealing
60	98-7540	2	Plug
70	107-9066	4	Guide-Valve, Inlet
80	107-9067	4	Guide-Valve, Exhaust
90	98-9389	3	Cap-Sealing
100	98-9479	18	Bolt-Head, Cylinder
110	108-2855	1	Gasket-Head, Cylinder



Gear Case Assembly

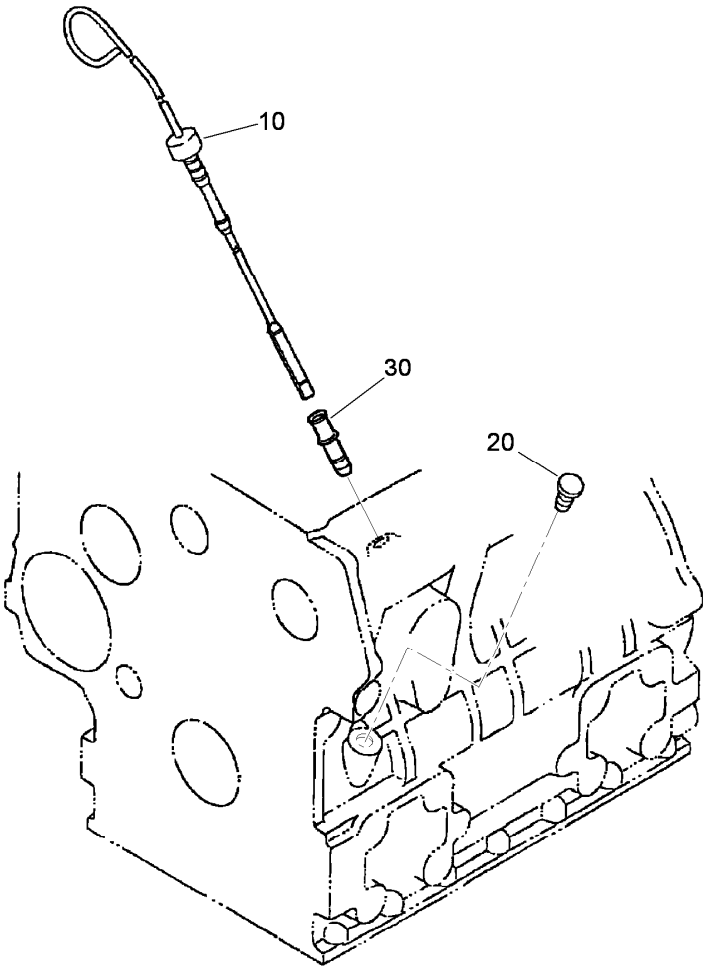
Ref.	Part Number	Qty.	Description
10	115-4117	1	Complete Gear Case
20	98-9598	5	Plug
30	107-9075	1	Plug-Filler, Oil
40	99-3446	1	O-Ring
45	98-9388	1	Joint-Pipe
50	98-9544	1	Spring
60	98-9543	1	Seat-Valve
70	98-9380	1	Ball
80	98-9540	1	Oil Pump Rotor ASM
90	105-3708	1	Cover-Pump, Oil
100	98-9592	5	Screw
110	98-9633	1	Gasket-Case, Gear
120	98-7496	3	Bolt

Ref.	Part Number	Qty.	Description
130	105-3797	4	Bolt
140	98-9356	2	Bolt
150	98-9437	1	Bolt
160	98-9586	2	Bolt
165	99-3511	1	Bolt
170	105-3709	1	Stud
180	98-7572	1	Nut
190	98-7699	1	Washer-Spring
200	98-9482	1	Seal-Oil
230	105-3710	2	Stud
240	98-9641	1	Cover-Case, Gear
250	108-3841	1	Filter-Oil



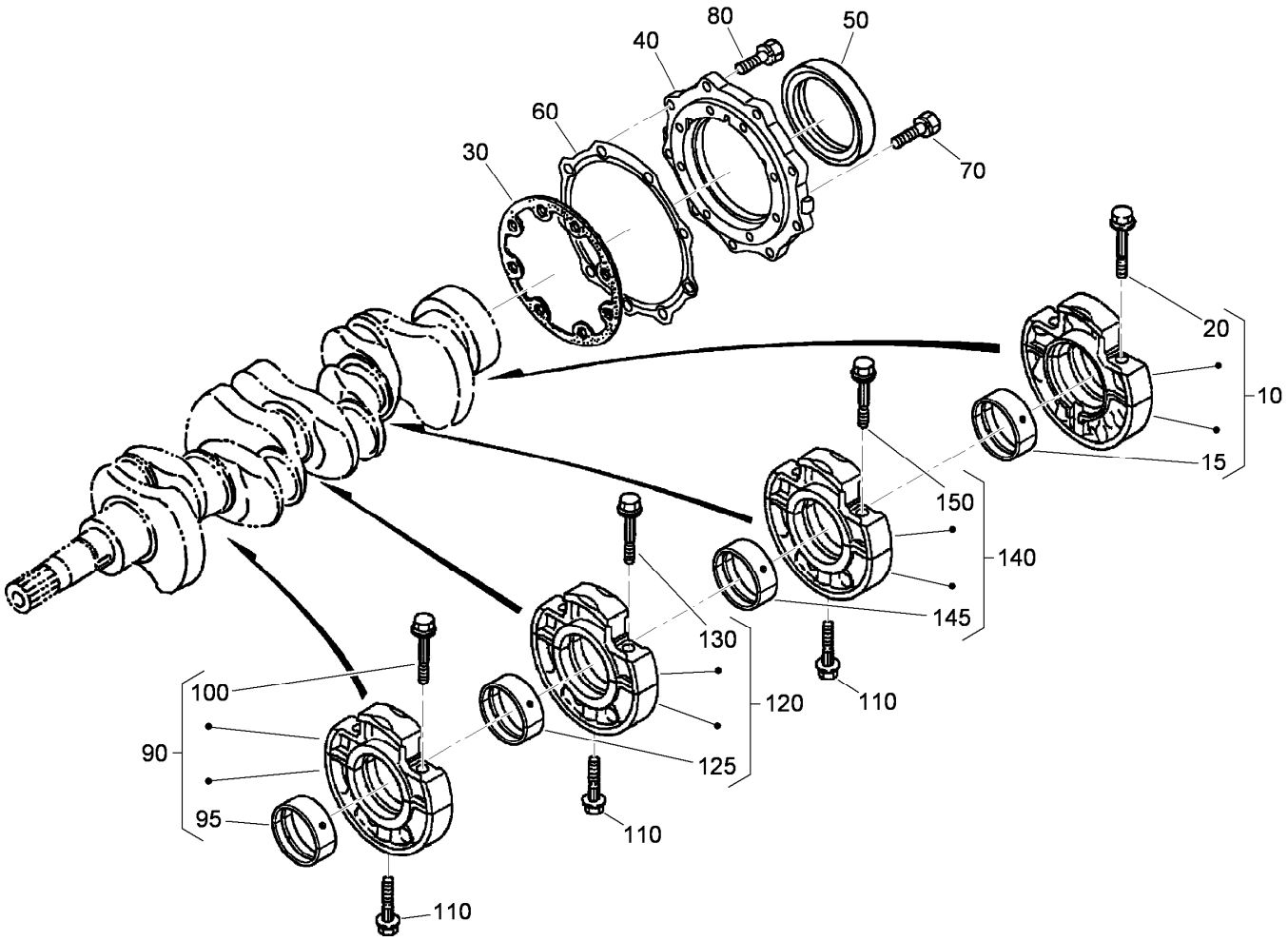
Cylinder Head Cover Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	115-4118	1	Cylinder Head Cover ASM
20	105-3712	1	Gasket-Cover, Head
30	110-3715	1	Valve-Breather
40	110-3714	1	Cover-Breather
50	110-3846	1	O Ring-Breather
60	115-3042	1	Cap-Sealing
70	115-3043	1	Spacer-Breather
80	115-3044	4	Screw-Pan Head
90	100-2204	4	Washer-Spring
100	98-7766	1	Pipe-Return, Water
110	98-9455	4	Nut-Cap
120	98-9454	4	Gasket
130	107-9075	1	Plug-Filler, Oil
140	99-3446	1	O-Ring
150	115-4119	1	Tube-Breather, Turbo
160	108-2859	2	Clamp-Hose



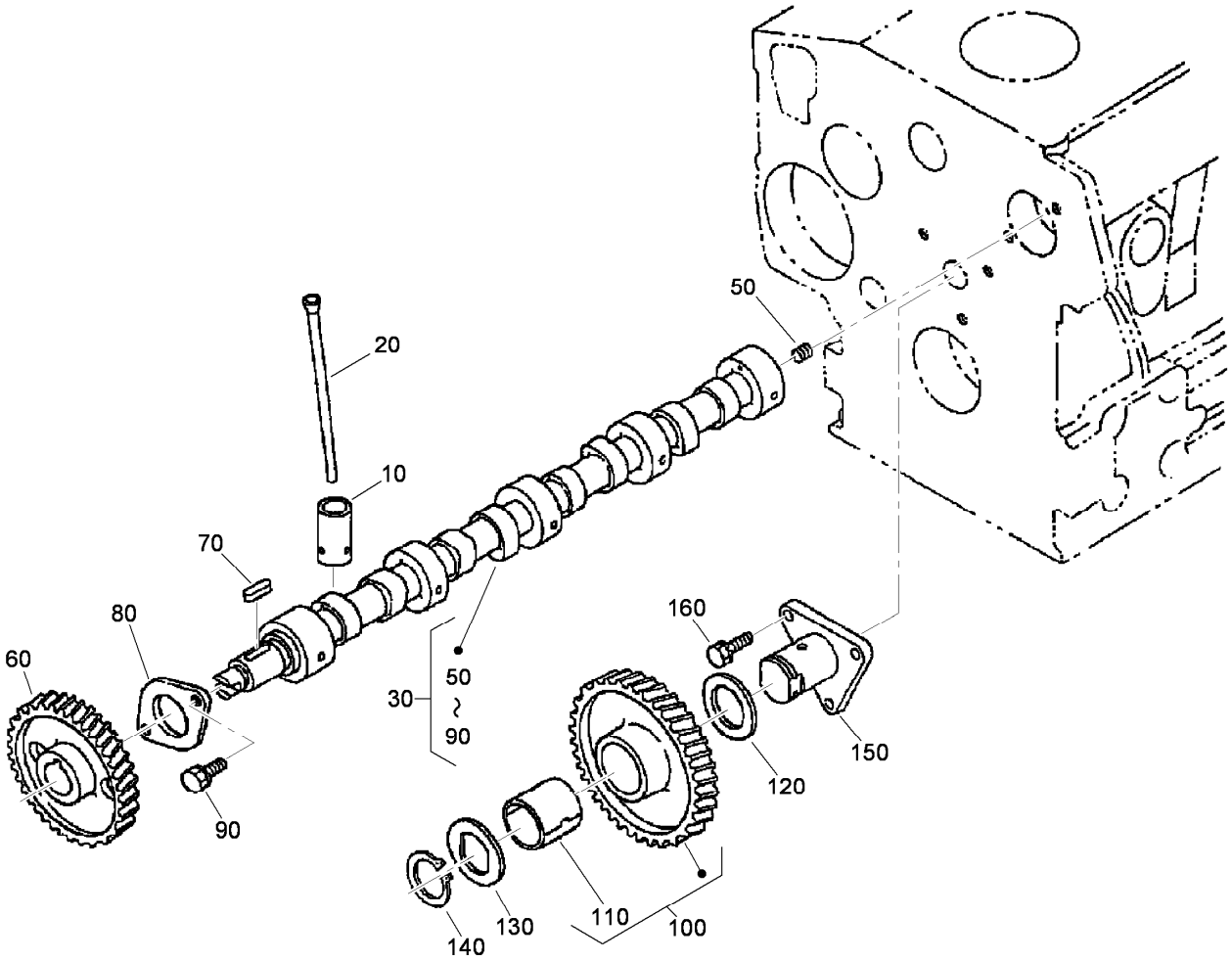
Dipstick and Guide Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	105-3714	1	Gauge-Oil
20	110-3720	1	Plug-Gauge, Oil
30	105-4580	1	Guide-Gauge, Oil



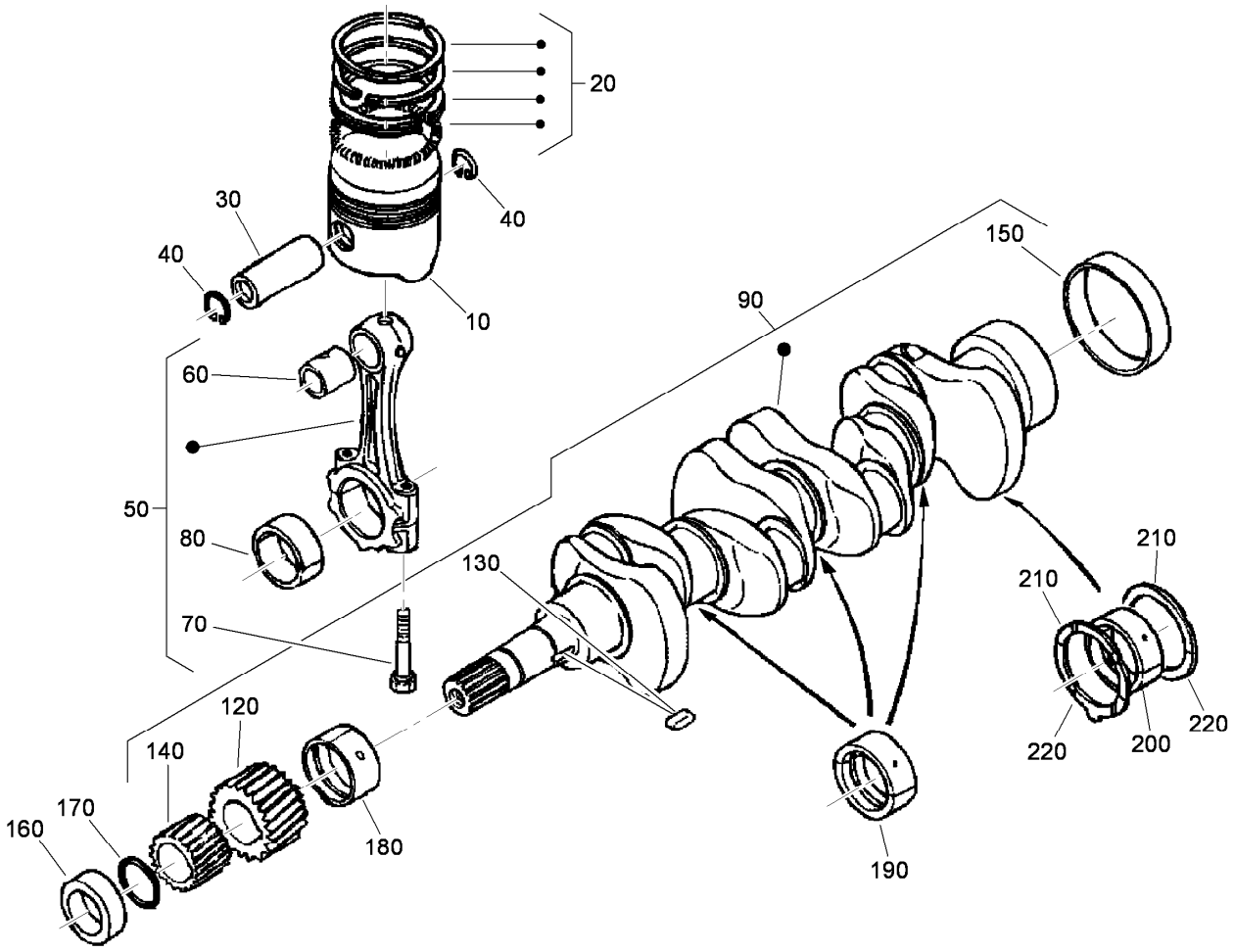
Main Bearing Case Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	112-7026	1	Wheel Bearing Case ASM
15	112-7045	1	Metal-Crankshaft
20	98-9484	2	Bolt-Case, Bearing
30	98-9634	1	Gasket-Case, Bearing
40	112-7046	1	Cover-Case, Bearing
50	112-0180	1	Seal-Oil
60	112-7037	1	Gasket-Cover, Case
70	98-9352	8	Bolt
80	98-7568	9	Bolt
90	112-7028	1	Bearing ASM
95	112-7011	1	Bearing-Main (STD)
100	98-9484	2	Bolt-Case, Bearing
110	98-9485	3	Bolt-Case, Bearing
120	112-7027	1	Bearing ASM
125	112-7011	1	Bearing-Main (STD)
130	98-9484	2	Bolt-Case, Bearing
140	115-4120	1	Bearing Case ASM
145	112-7011	1	Bearing-Main (STD)
150	98-9484	2	Bolt-Case, Bearing



Cam Shaft and Idle Gear Shaft Assembly

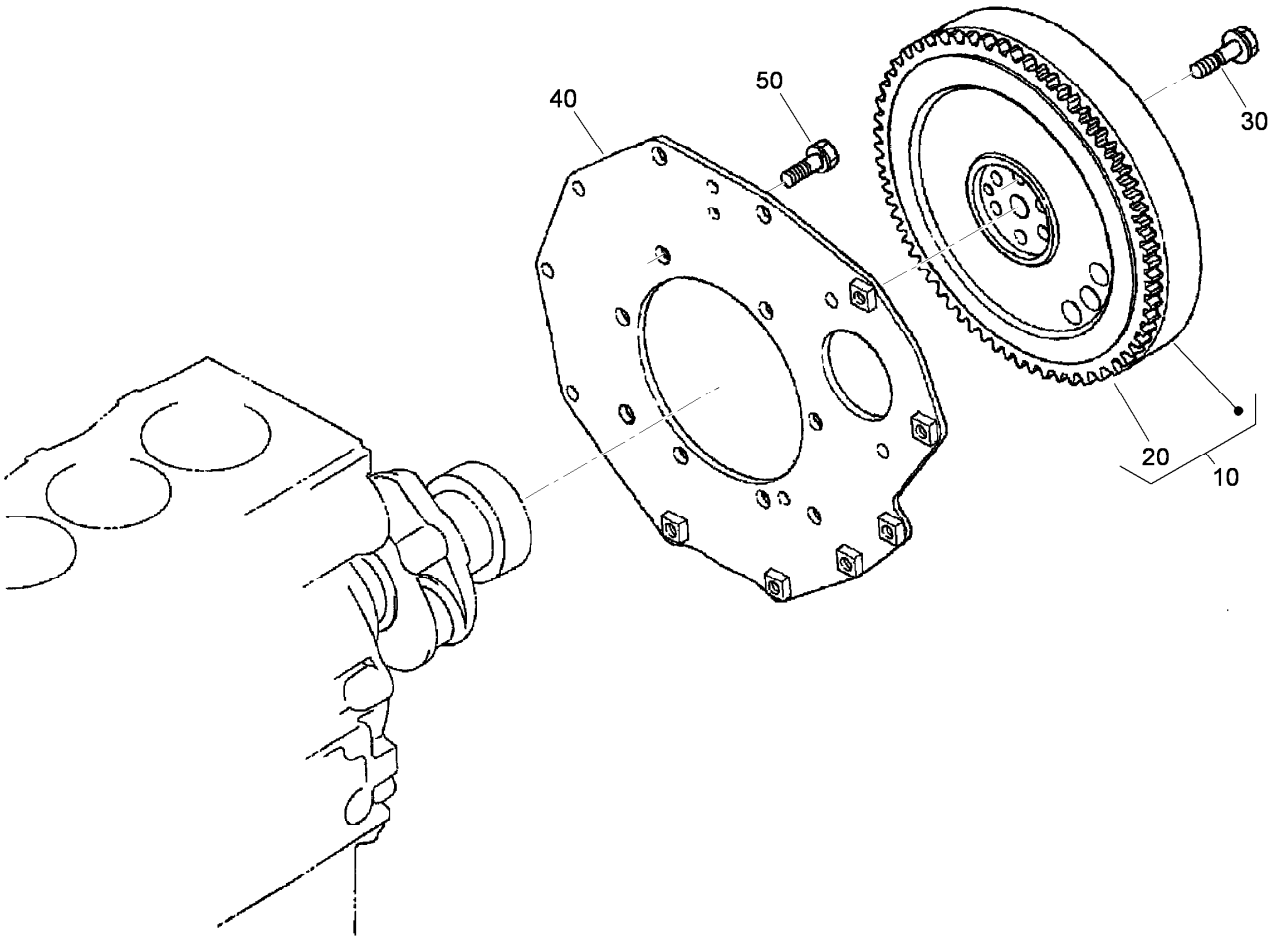
Ref.	*Part Number*	*Qty.*	*Description*
10	112-0185	8	Tappet
20	98-9509	8	Rod-Push
30	112-8402	1	Camshaft ASM
50	98-7449	1	Screw-Set
60	98-9512	1	Gear-Cam
70	98-9378	1	Key-Feather
80	98-9510	1	Stopper-Camshaft
90	98-7692	2	Bolt
100	98-9649	1	Idle Gear ASM
110	98-9650	1	Bushing-Gear, Idle
120	98-9535	1	Collar-Gear, Idle
130	98-9536	1	Collar-Gear, Idle
140	98-9534	1	Circlip-Gear, Idle
150	98-9533	1	Shaft-Gear, Idle
160	98-7692	3	Bolt



Piston and Crankshaft Assembly

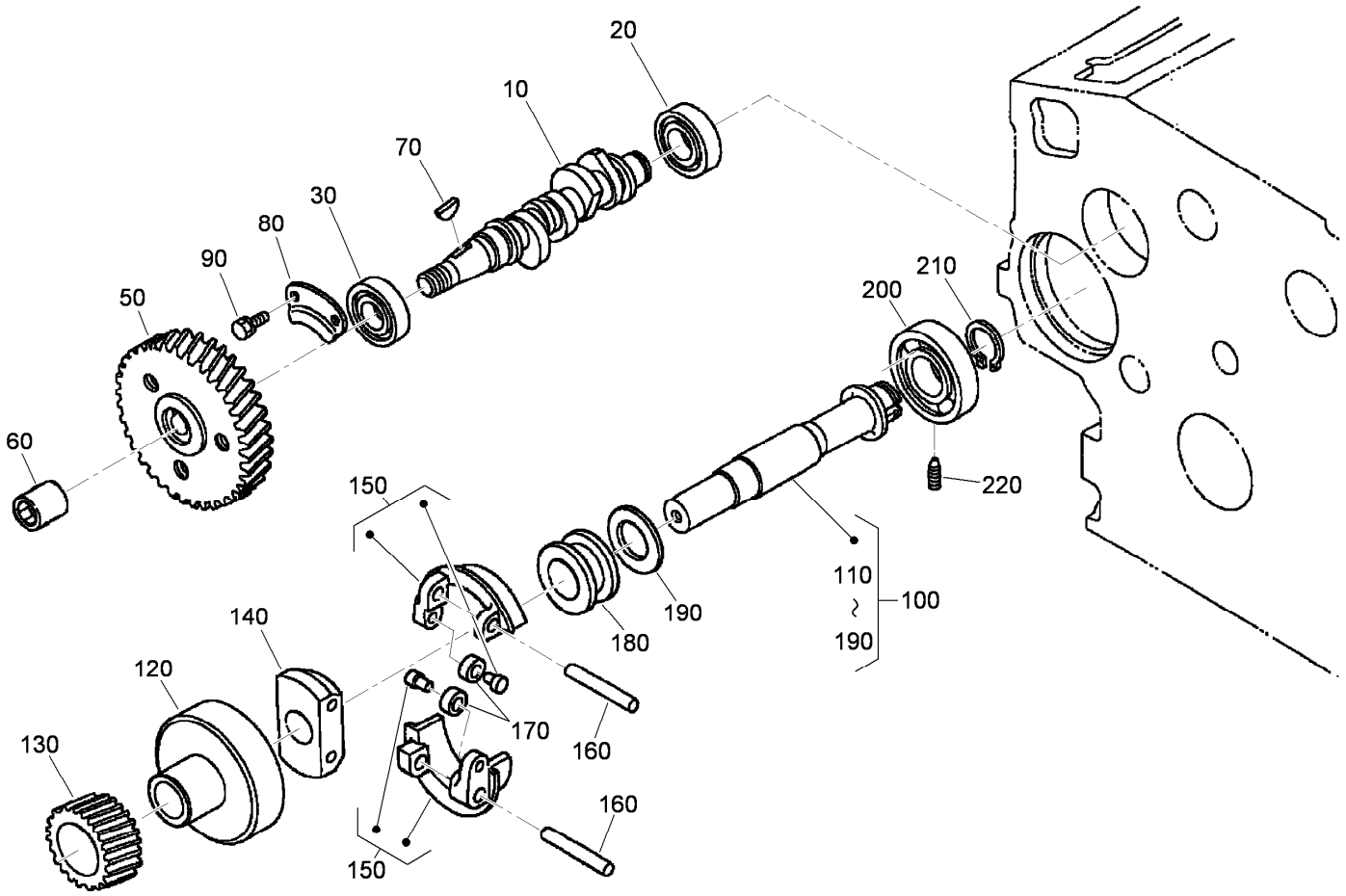
Ref.	Part Number	Qty.	Description
10	98-9550	4	Piston (STD)
10	108-1417	4	Piston (0.5Mm)
20	98-9551	4	Piston Ring ASM (STD)
20	98-9619	4	Piston Ring ASM (0.5Mm)
30	98-9513	4	Pin-Piston
40	98-9514	8	Circlip-Pin, Piston
50	98-9552	4	Connecting Rod ASM
60	98-9515	4	Bushing-Pin, Piston
70	98-9517	8	Bolt-Rod, Connecting
80	98-9553	4	Bearing-Rod (STD)
80	108-1405	4	Metal-Crankpin (-0.2Mm)
80	108-1406	4	Metal-Crankpin (-0.4Mm)
90	105-3718	1	Crankshaft ASM
120	98-9532	1	Gear-Crankshaft
130	98-9666	1	Key
140	98-9542	1	Gear-Drive, Oil Pump
150	98-9522	1	Sleeve-Crankshaft

Ref.	Part Number	Qty.	Description
160	98-9521	1	Collar-Crankshaft
170	98-9373	1	O-Ring
180	112-7005	1	Bearing-Main (STD)
180	112-7009	1	Metal-Crankpin (-0.2Mm)
180	112-7010	1	Metal-Crankpin (-0.4Mm)
190	112-7011	3	Bearing-Main (STD)
190	112-7012	3	Metal-Crankpin (-0.2Mm)
190	112-7013	3	Metal-Crankpin (-0.4Mm)
200	115-4121	1	Metal-Crankshaft (STD)
200	112-7039	1	Metal-Crankshaft (0.2Mm)
200	112-7040	1	Metal-Crankshaft (-0.4Mm)
210	98-9413	2	Bearing-Thrust (STD)
210	98-9414	2	Bearing-Thrust (0.2Mm)
210	98-9415	2	Bearing-Thrust (0.4Mm)
220	98-9688	2	Bearing-Thrust (STD)
220	98-9689	2	Bearing-Thrust (0.2Mm)
220	98-9690	2	Bearing-Thrust (0.4Mm)



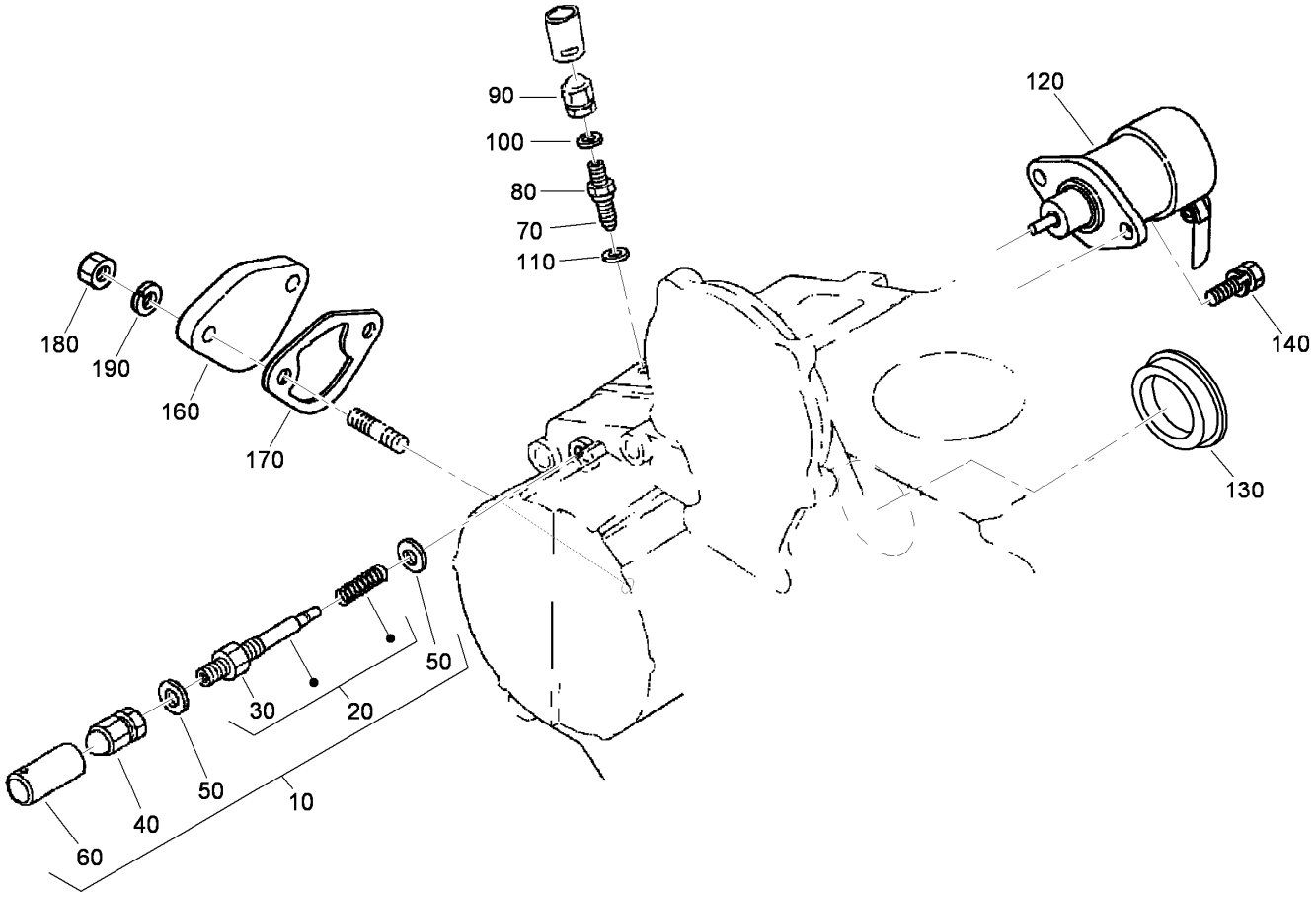
Flywheel Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	105-3721	1	Flywheel ASM
20	115-3015	1	Gear-Ring
30	98-9537	6	Bolt-Flywheel
40	98-9486	1	Plate-End, Rear
50	98-9392	8	Bolt



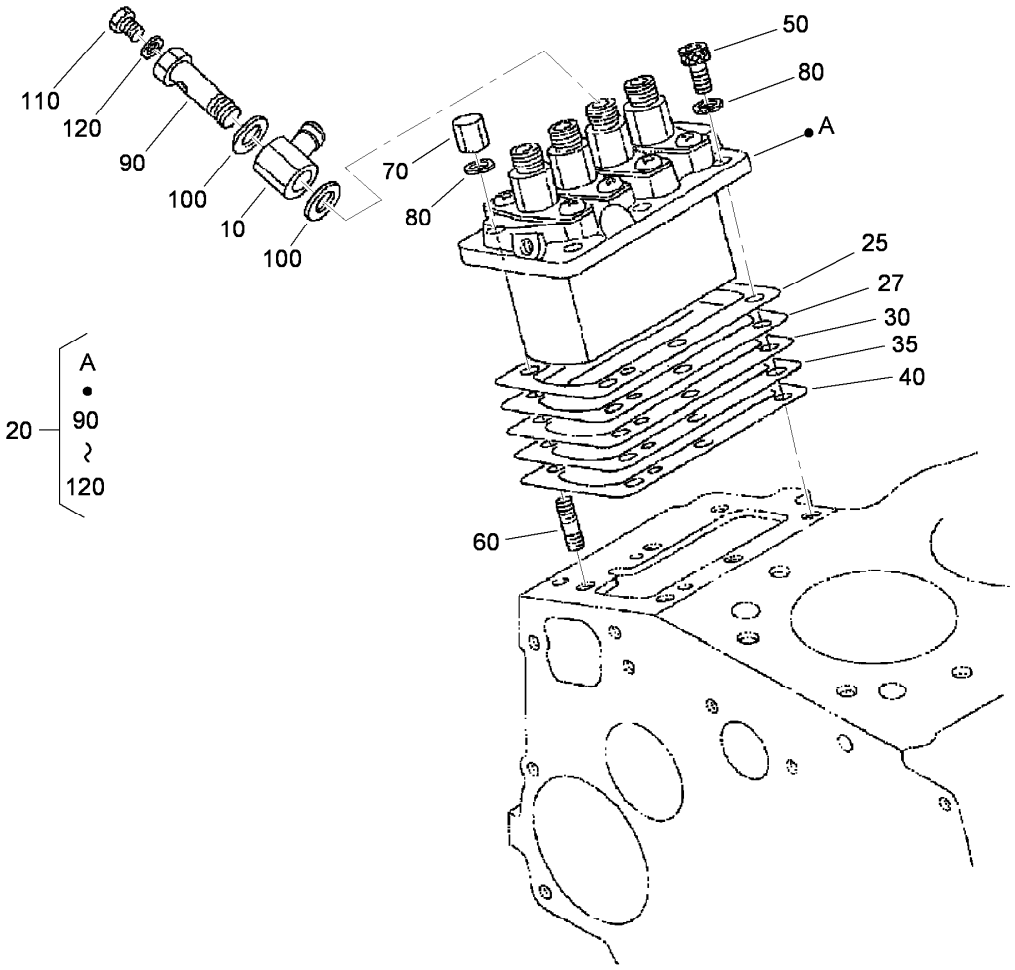
Fuel Camshaft and Governor Shaft Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	105-3723	1	Camshaft-Fuel
20	107-9077	1	Bearing-Ball
30	107-9078	1	Bearing-Ball
50	98-9669	1	Gear-Pump, Injection
60	98-9590	1	Nut-Cap
70	98-9595	1	Key-Woodruff
80	98-9511	1	Stopper-Fuel, Camshaft
90	98-7692	2	Bolt
100	105-3724	1	Governor Shaft ASM
110	105-3725	1	Shaft, Governor
120	98-9562	1	Holder-Gear, Governor
130	98-9673	1	Gear-Governor
140	98-9561	1	Holder-Weight, Governor
150	98-9559	2	Governor Weight ASM
160	98-9560	2	Shaft-Weight, Governor
170	98-9692	2	Roller
180	98-9563	1	Sleeve-Governor
190	98-9564	1	Washer-Thrust
200	107-9079	1	Bearing-Ball
210	98-9657	1	Circlip-Shaft, Governor
220	98-9565	1	Screw-Set



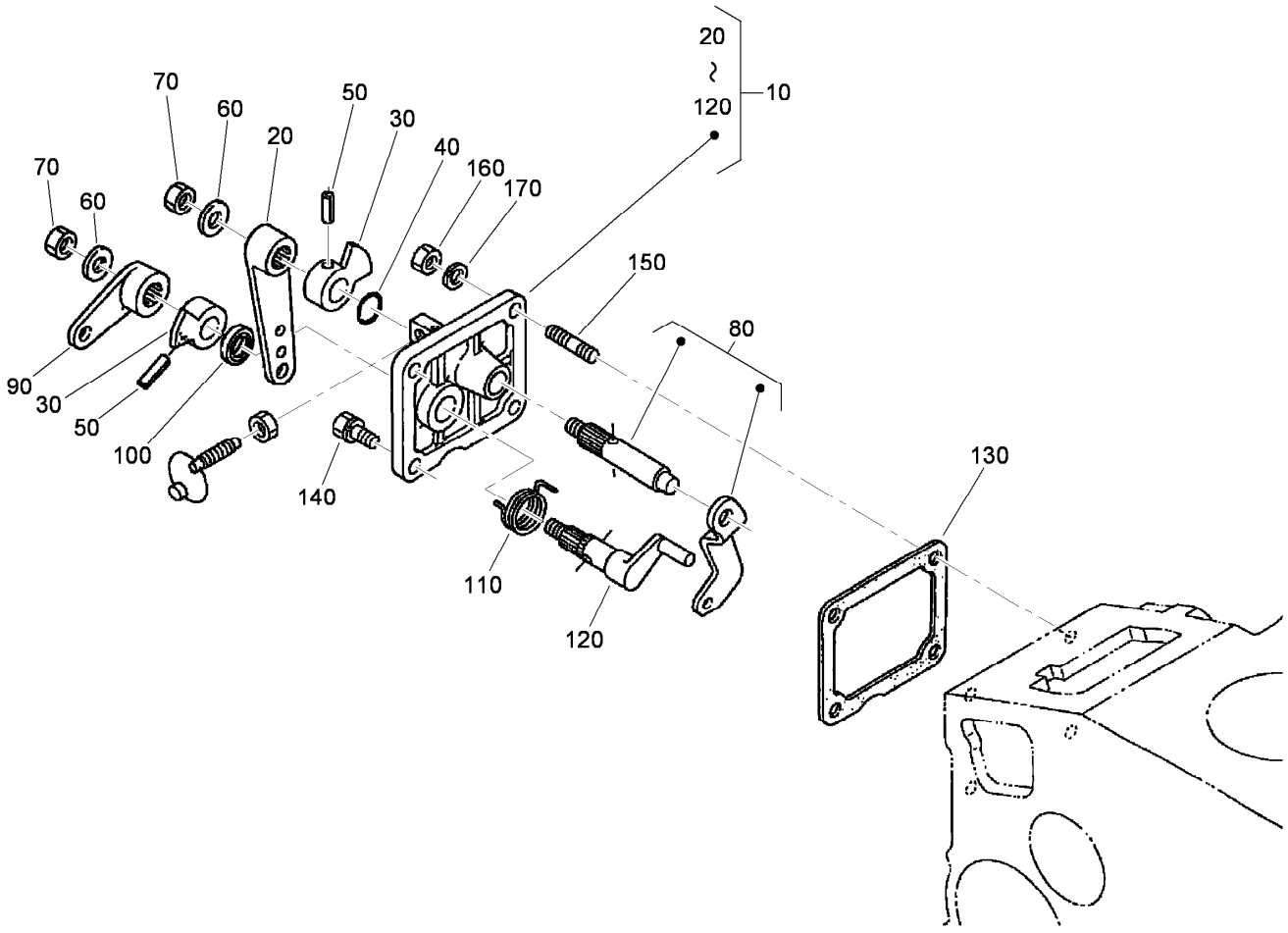
Idle Apparatus Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	115-4124	1	Apparatus-Idling
20	115-4125	1	Adjustment Bolt ASM
30	98-9439	1	Nut
40	99-8387	1	Nut-Cap
50	98-7654	2	Gasket
60	98-7656	1	Cap
70	112-7015	1	Bolt-Adjusting
80	100-2175	1	Nut-Lock
90	99-8387	1	Nut-Cap
100	98-7654	1	Gasket
110	107-9081	1	Gasket
120	104-5155	1	Solenoid-Stop
130	112-7016	1	Cover-Pump
140	115-3039	2	Bolt-HSH
160	99-3514	1	Cover
170	98-9636	1	Gasket-Pump, Fuel
180	98-7572	2	Nut
190	98-7699	2	Washer-Spring



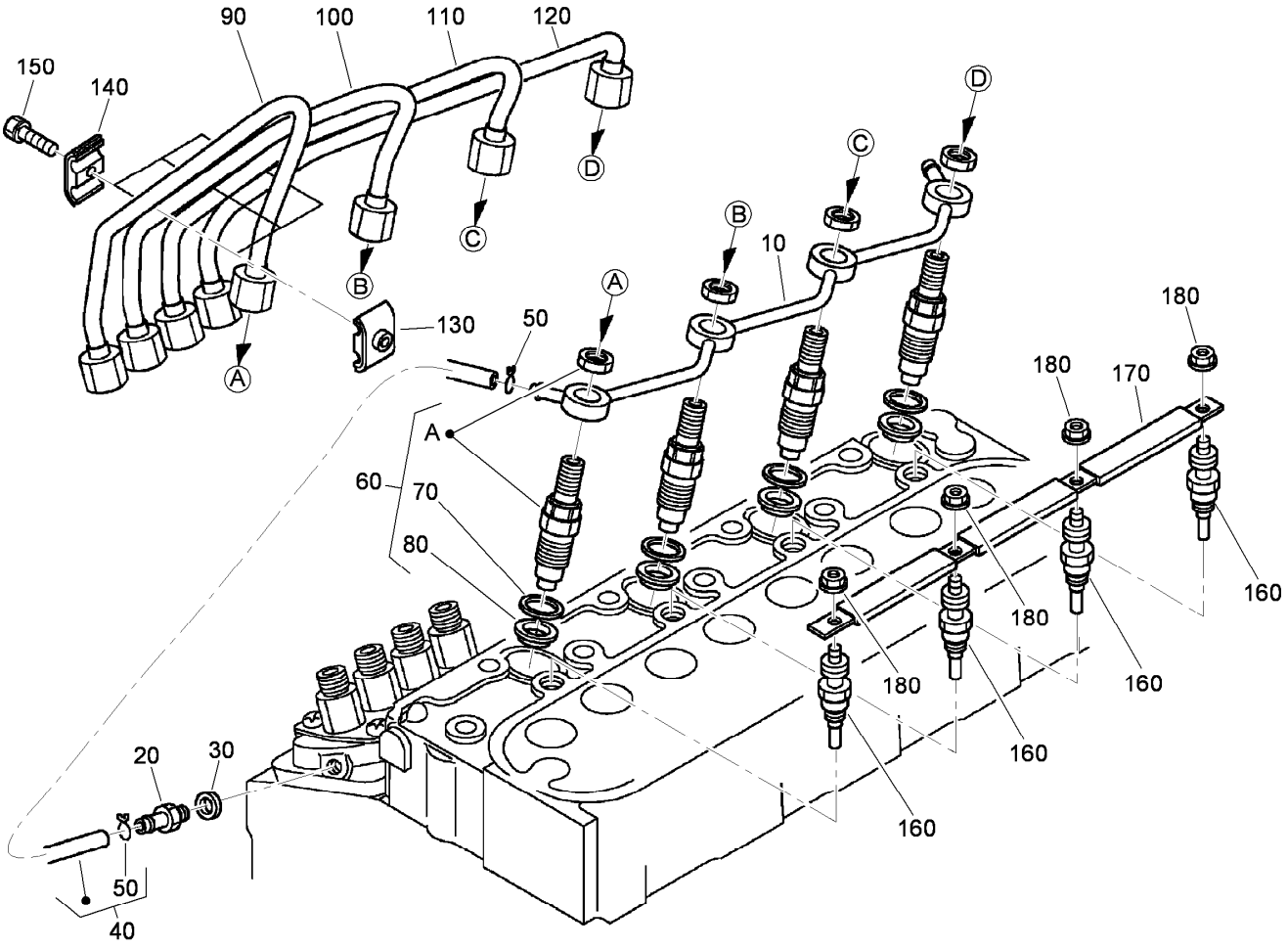
Injection Pump Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	98-9596	1	Joint-Eye
20	105-3727	1	Injection Pump ASM
25	115-3016	1	Shim-Pump, Injection (.350Mm)
27	115-3017	1	Shim-Pump, Injection (.175Mm)
30	105-3728	1	Shim-Pump, Injection (.20Mm)
35	105-3729	1	Shim-Pump, Injection (.25Mm)
40	105-3730	1	Shim-Pump, Injection (.30Mm)
50	98-9361	3	Bolt-HSH
60	98-9438	3	Stud
70	98-9440	3	Nut-Cap
80	98-7699	6	Washer-Spring
90	98-9464	1	Bolt-Joint
100	98-9445	2	Gasket
110	98-9430	1	Screw
120	98-9446	1	Gasket



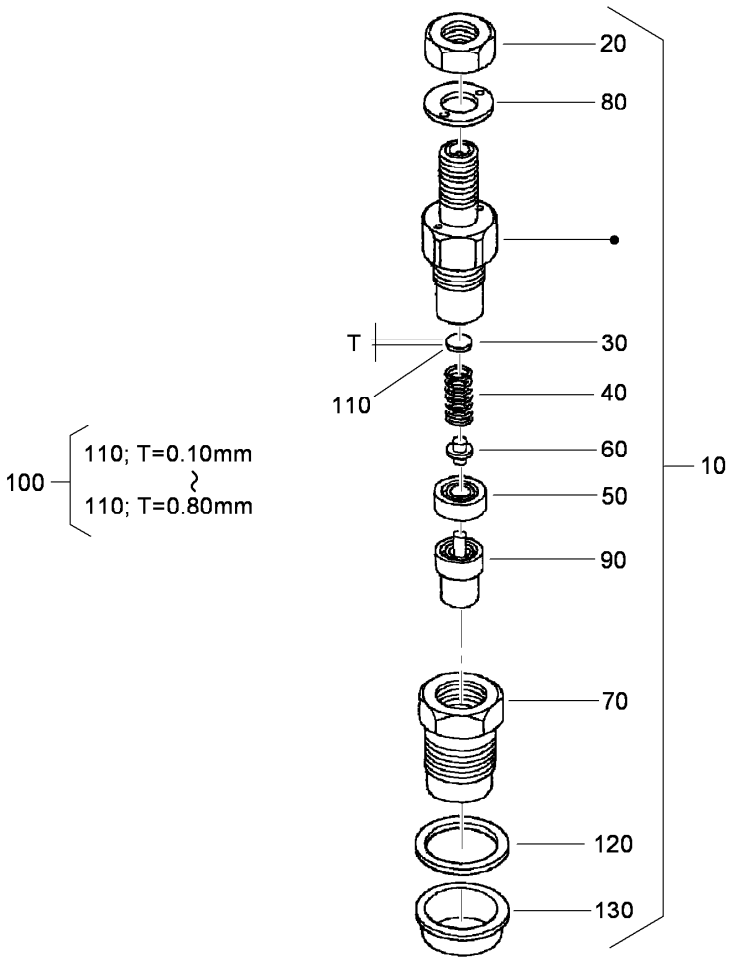
Speed Control Plate Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	105-3735	1	Control Plate ASM
20	98-9662	1	Lever-Control, Speed
30	98-9572	2	Lever-Control, Speed
40	105-3788	1	O-Ring
50	98-7602	2	Pin-Spring
60	98-9594	2	Washer-Plain
70	98-9589	2	Nut
80	98-9658	1	Governor Lever ASM
90	98-9663	1	Lever-Stop, Engine
100	98-7601	1	Seal-Oil
110	98-9472	1	Spring-Return
120	98-9664	1	Shaft-Lever, Stop
130	98-9637	1	Gasket
140	98-7692	2	Bolt
150	105-3710	2	Stud
160	98-7572	2	Nut
170	98-7699	2	Washer-Spring



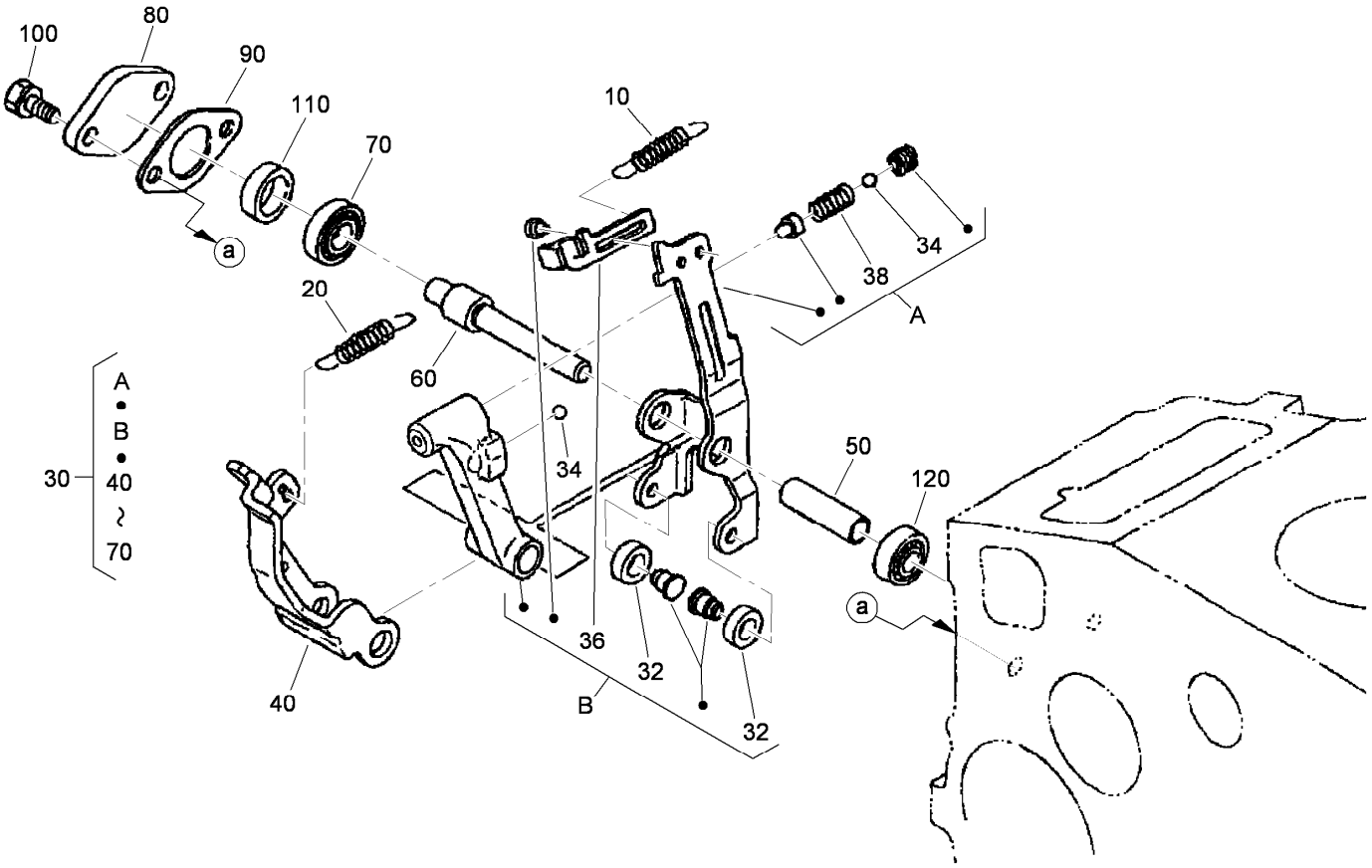
Nozzle Holder and Glow Plug Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	105-3737	1	Over Flow Pipe ASM
20	98-9431	1	Screw-Bleeder, Air
30	98-7654	1	Gasket
40	98-9420	1	Overflow Pipe ASM
50	98-7671	2	Clip-Pipe
60	108-2866	4	Nozzle Holder Kit
70	98-7676	4	Gasket
80	98-7677	4	Seal-Heat
90	98-9622	1	Pipe-Injection
100	98-9654	1	Pipe-Injection
110	98-9655	1	Pipe-Injection
120	105-3738	1	Pipe-Injection
130	98-7682	3	Clamp-Pipe
140	98-7683	3	Clamp-Pipe
150	98-9364	3	Screw (With Washer)
160	98-9623	4	Plug-Glow
170	105-3739	1	Cord-Plug, Glow
180	99-8377	4	Nut-Flange



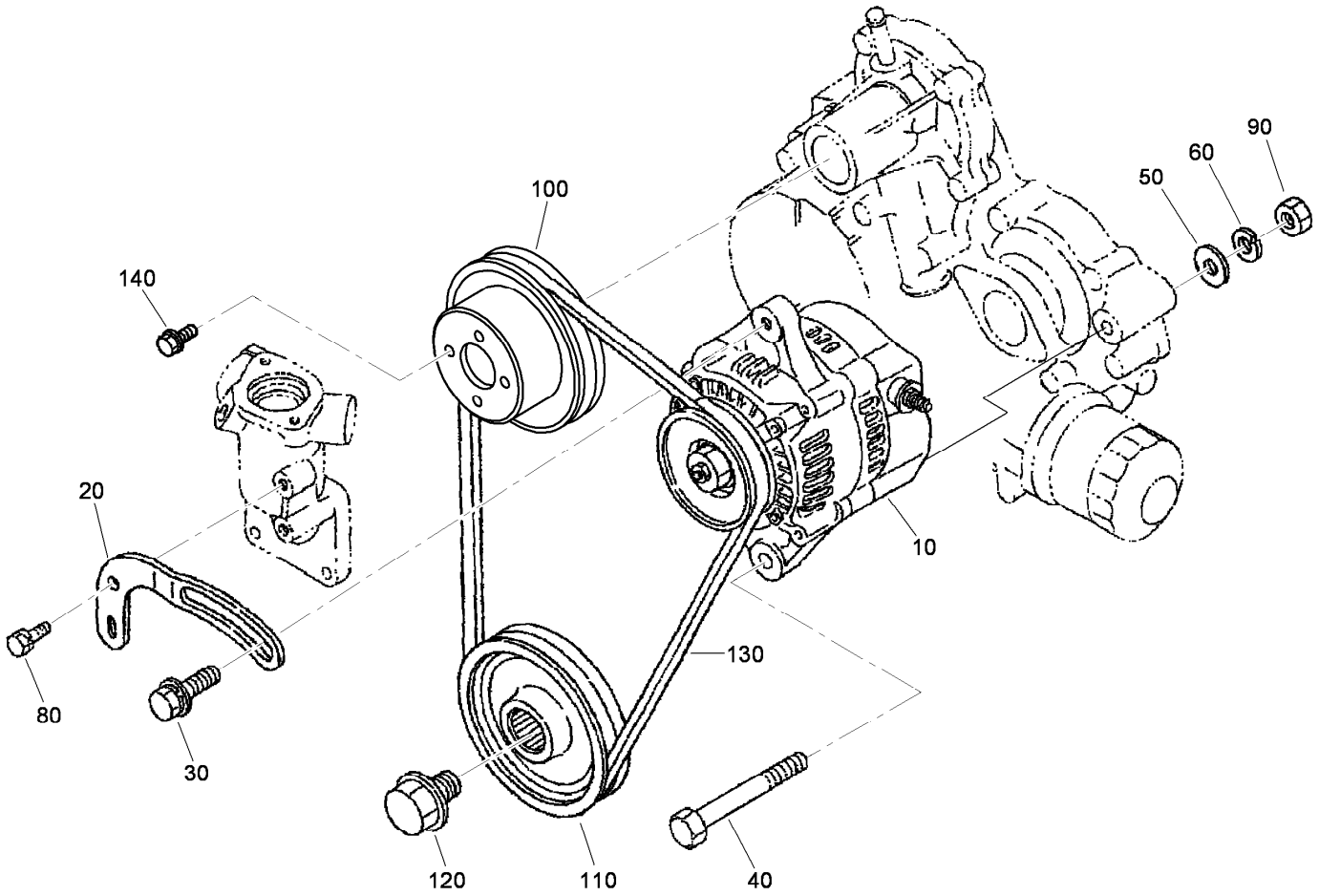
Nozzle Holder Component Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	108-2866	4	Nozzle Holder Kit
20	99-8301	4	Nut
30	99-8302	4	Washer-Adjusting
40	99-8303	4	Spring-Nozzle
50	99-8304	4	Spacer-Distance
60	99-8305	4	Rod-Push
70	99-8306	4	Nut-Nozzle
80	99-8307	4	Washer-Plain
90	107-7826	4	Piece-Nozzle
100	99-8309	4	Adjusting Washer ASM
110	99-8310	4	Washer-Adjust (0.10Mm)
110	99-8311	4	Washer-Adjust (0.20Mm)
110	99-8312	4	Washer-Adjust (0.30Mm)
110	99-8313	4	Washer-Adjust (0.40Mm)
110	99-8314	4	Washer-Adjust (0.50Mm)
110	99-8315	4	Washer-Adjust (0.52Mm)
110	99-8316	4	Washer-Adjust (0.54Mm)
110	99-8317	4	Washer-Adjust (0.56Mm)
110	99-8318	4	Washer-Adjust (0.58Mm)
110	99-8319	4	Washer-Adjust (0.80Mm)
120	98-7676	4	Gasket
130	98-7677	4	Seal-Heat



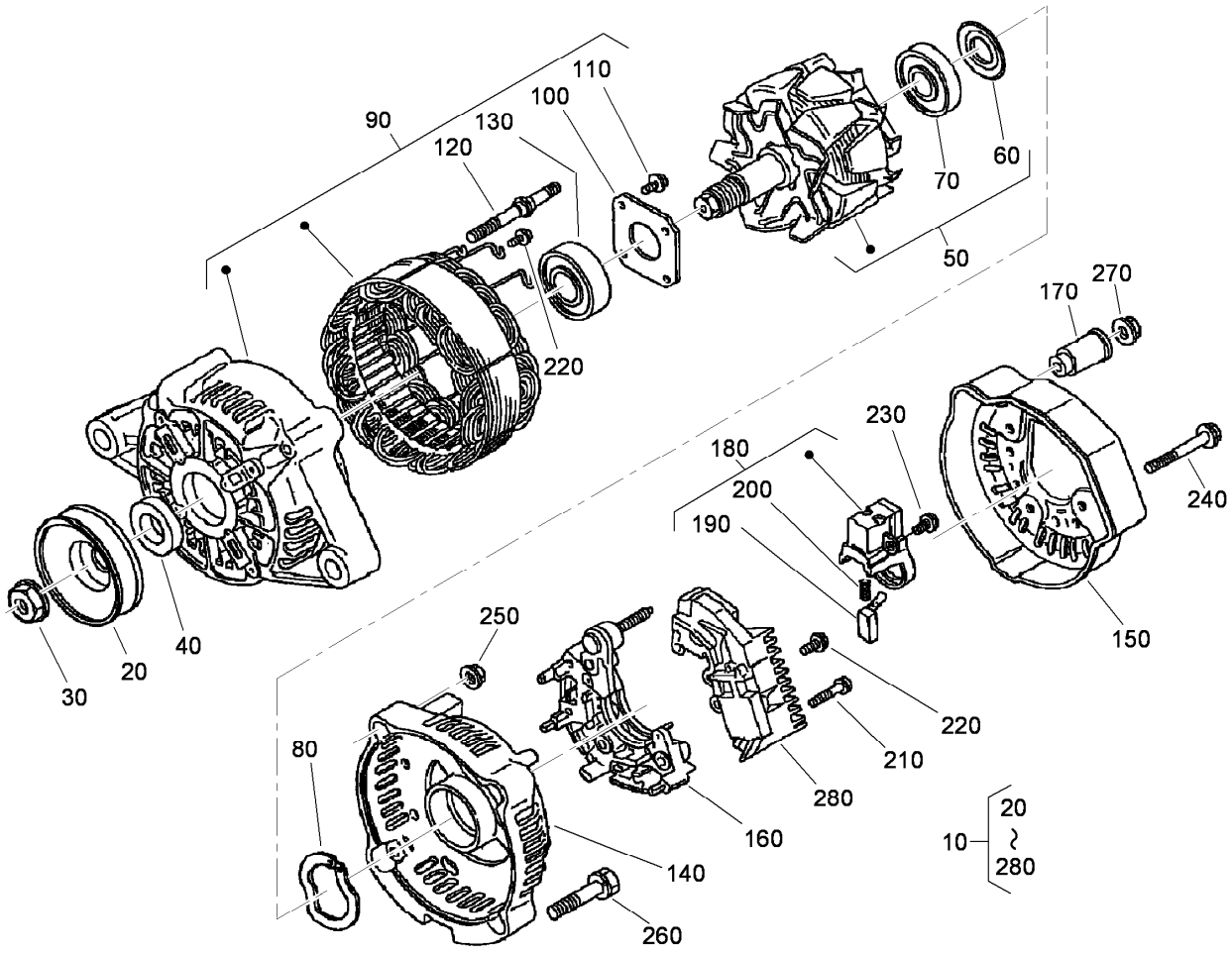
Governor Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	105-3741	1	Spring-Start
20	98-9681	1	Spring-Governor
30	108-4427	1	Fork Lever ASM
32	98-9692	2	Roller
34	98-7580	2	Ball
36	107-9083	1	Lever-Thrust
38	108-2867	1	Spring
40	107-9084	1	Lever-Fork
50	107-9085	1	Shaft-Lever, Fork
60	107-9086	1	Shaft-Lever, Fork
70	98-9570	1	Bearing-Miniaturize
80	115-4122	1	Cover-Shaft, Fork Lever
90	98-9682	1	Gasket
100	98-9350	2	Bolt
110	98-9567	1	Collar
120	98-9571	1	Bearing-Miniaturize



Alternator and Pulley Assembly

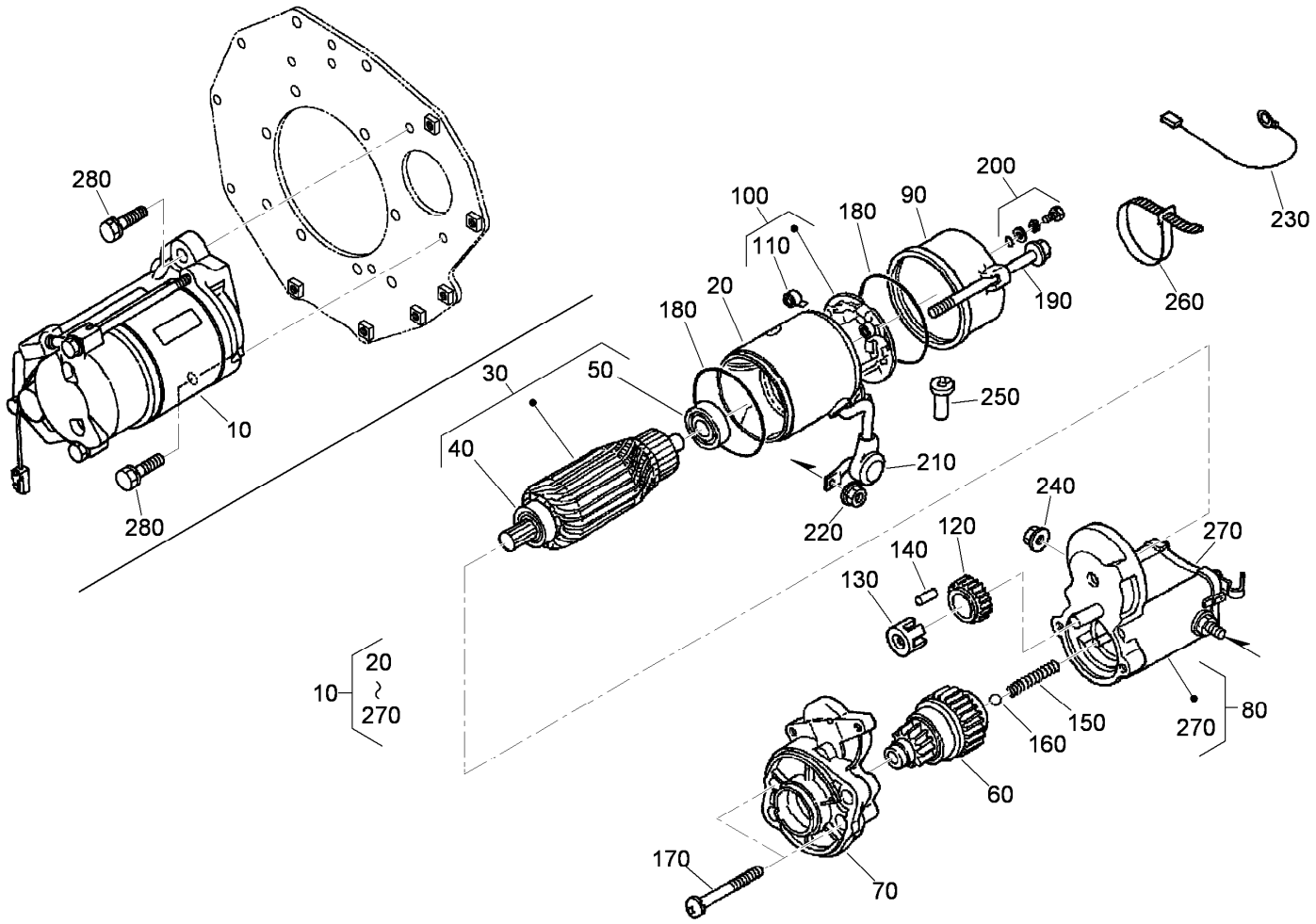
Ref.	*Part Number*	*Qty.*	*Description*
10	98-9474	1	Alternator ASM
20	112-7047	1	Stay-Dynamo
30	108-7088	1	Bolt
40	98-9360	1	Bolt
50	33095-00	1	Washer-Flat
60	98-7738	1	Washer-Spring
80	98-7692	1	Bolt
90	99-7526	1	Nut
100	98-9584	1	Pulley-Fan
110	105-3745	1	Pulley-Drive, Fan
120	98-9585	1	Bolt
130	98-9676	1	V-Belt
140	99-8363	4	Bolt-Flange



Alternator Component Assembly

Ref.	Part Number	Qty.	Description
10	98-9474	1	Alternator ASM
20	98-9453	1	Pulley-Dynamo
30	98-7708	1	Nut
40	98-7709	1	Collar
50	107-0136	1	Rotor ASM
60	98-7711	1	Cover-Bearing
70	98-7712	1	Bearing-Ball
80	98-7713	1	Washer-Thrust
90	107-0139	1	Drive End Frame ASM
100	98-7715	1	Plate-Retainer
110	98-7716	4	Screw-Head, Round
120	98-7717	2	Bolt-Through
130	107-0137	1	Bearing-Ball
140	107-9087	1	Frame-End

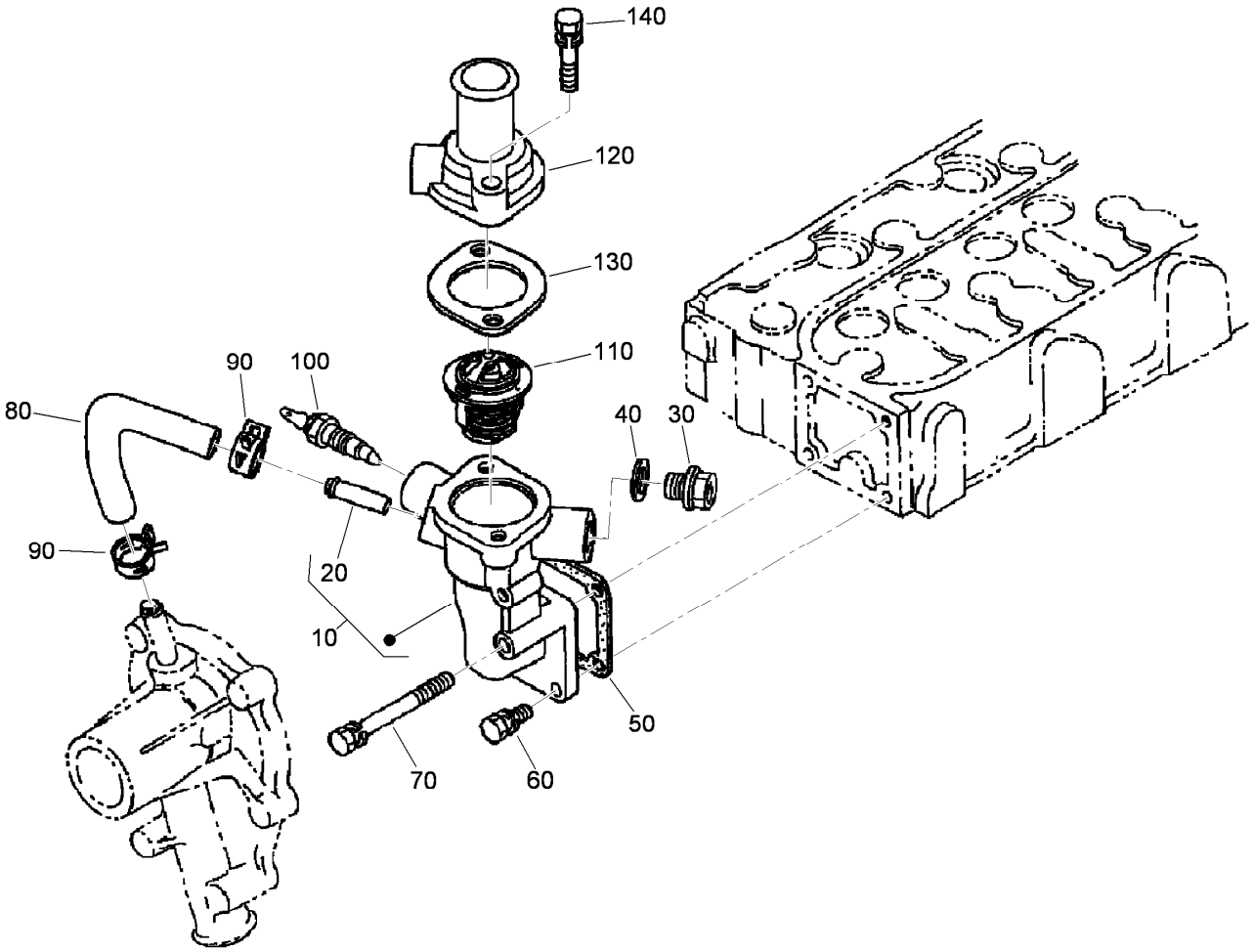
Ref.	Part Number	Qty.	Description
150	107-0140	1	Cover-End
160	98-7721	1	Rectifier ASM
170	98-7722	1	Bushing-Insulation
180	107-0141	1	Brush Holder ASM
190	98-7724	2	Brush
200	98-7725	2	Spring-Brush
210	98-7726	2	Screw-Head, Round
220	98-7727	6	Screw-Head, Round
230	98-7728	1	Screw-Head, Round
240	98-7729	3	Bolt
250	98-7730	2	Nut
260	98-7731	2	Bolt
270	98-7732	1	Nut
280	110-3799	1	Regulator ASM



Starter Assembly

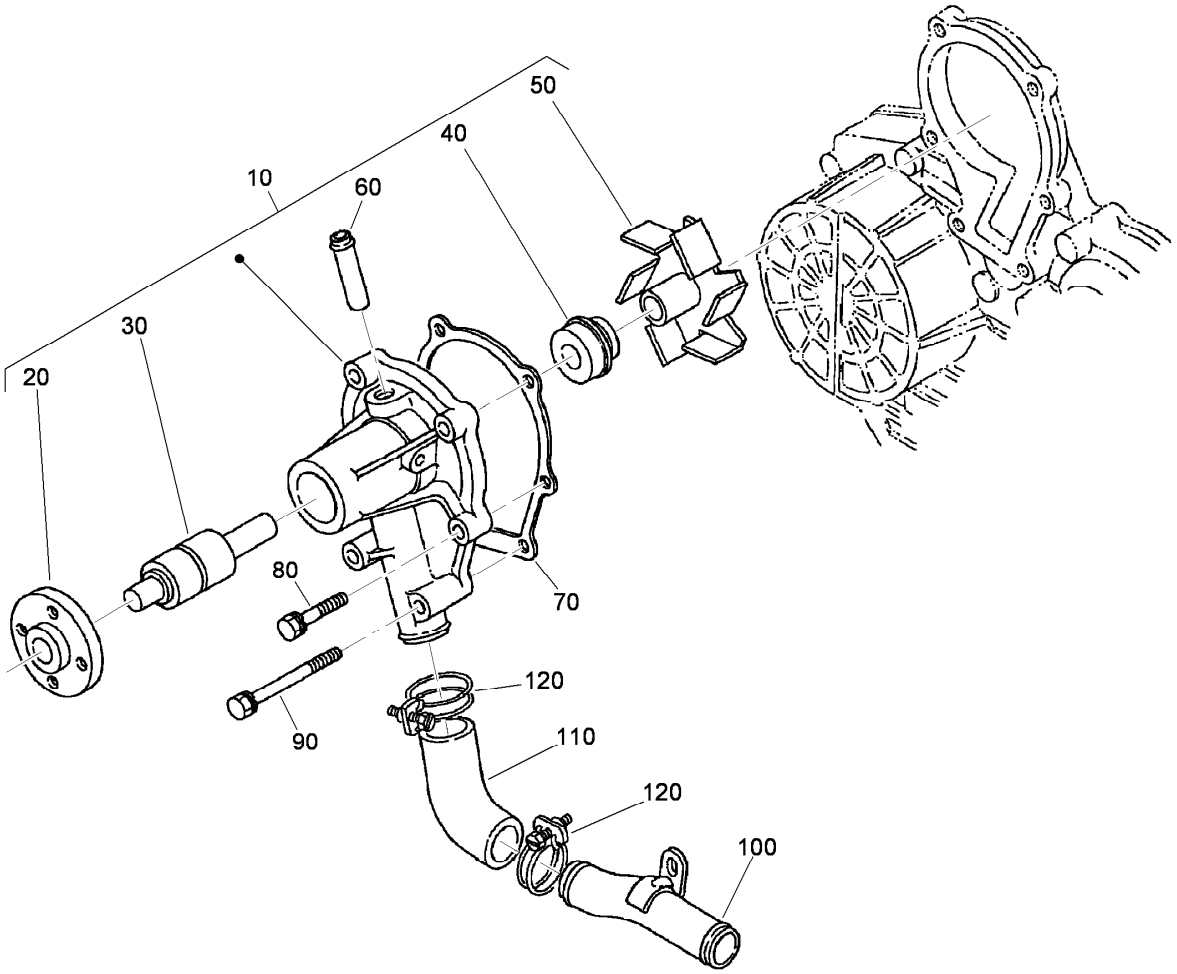
Ref.	Part Number	Qty.	Description
10	98-9705	1	Starter ASM
20	104-8608	1	Yoke ASM
30	98-7742	1	Armature ASM
40	98-7744	1	Bearing
50	98-7743	1	Bearing
60	99-8373	1	Clutch-Running, Over
70	99-8374	1	Frame-End, Drive
80	105-3746	1	Magnetic Switch ASM
90	98-7748	1	Frame-End
100	98-7749	1	Brush Holder ASM
110	98-7750	4	Spring-Brush
120	98-7751	1	Gear
130	98-7752	1	Retainer
140	98-7753	5	Roller

Ref.	Part Number	Qty.	Description
150	98-7754	1	Spring
160	98-7755	1	Ball
170	98-7756	2	Bolt
180	98-7757	2	O-Ring
190	100-9240	2	Bolt
200	98-7758	2	Bolt ASM
210	99-8375	1	Cover
220	99-8371	1	Nut-Hex
230	98-9711	1	Cord-Solenoid, Stop
240	99-8376	1	Nut-Hex
250	98-7759	1	Pipe-Drain
260	98-9712	1	Band-Cover
270	105-2886	1	Cover ASM
280	98-7697	2	Bolt



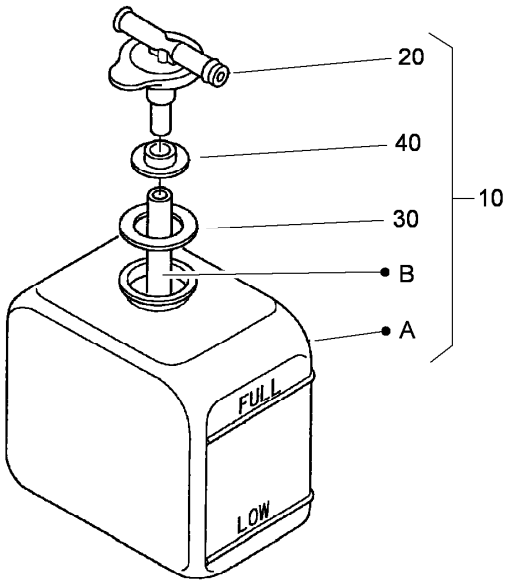
Water Flange and Thermostat Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	98-9713	1	Water Flange ASM
20	98-9580	1	Pipe-Return, Water
30	105-3747	1	Plug
40	99-3583	1	Gasket
50	98-9638	1	Gasket-Flange, Water
60	98-7692	3	Bolt
70	98-9356	1	Bolt
80	98-9578	1	Pipe-Return, Water
90	98-9579	2	Band-Pipe
100	98-9719	1	Thermoswitch
110	98-7778	1	Thermostat ASM
120	98-9471	1	Cover-Thermostat
130	105-3748	1	Gasket-Thermostat
140	98-7777	2	Bolt



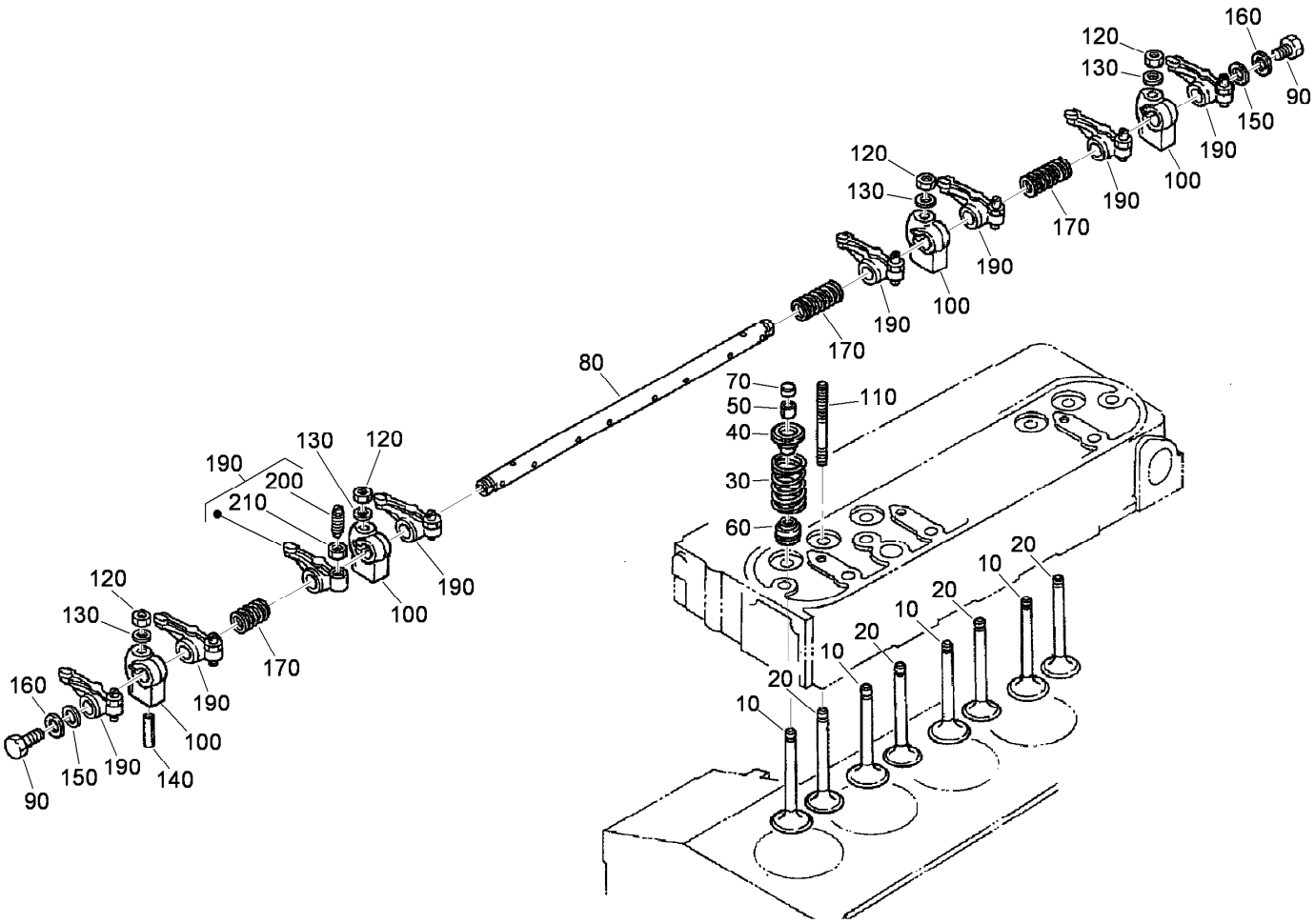
Water Pump Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	107-9089	1	Water Pump ASM
20	99-3516	1	Flange-Pump, Water
30	99-3517	1	Bearing-Pump, Water
40	105-3750	1	Mechanical Seal ASM
50	112-7017	1	Impeller-Pump, Water
60	100-1932	1	Pipe-Return, Water
70	99-3454	1	Gasket-Pump, Water
80	98-9353	4	Bolt
90	98-9357	2	Bolt
100	105-3752	1	Pipe-Water
110	107-9091	1	Pipe-Water
120	98-9717	2	Clamp



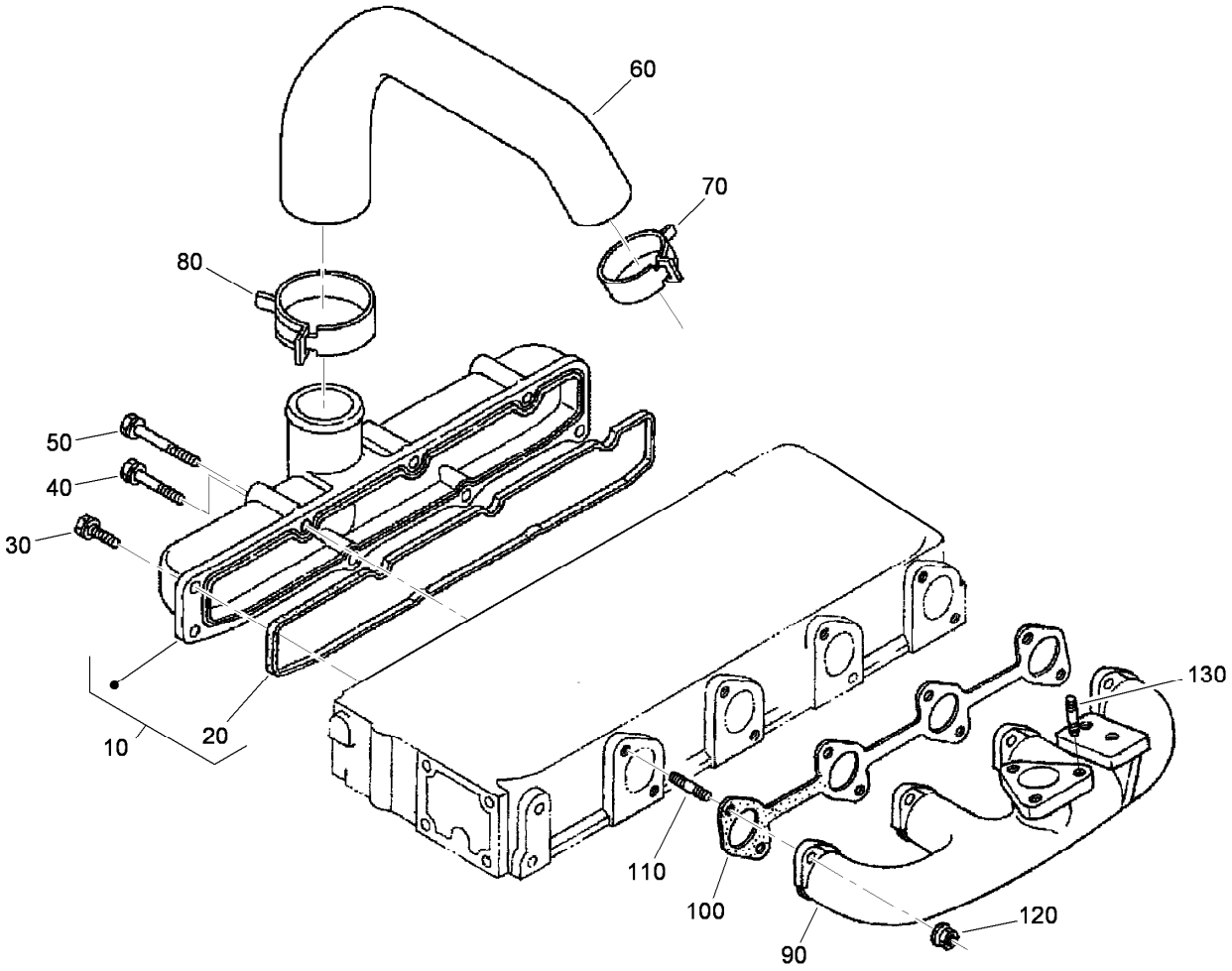
Overflow Bottle Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	104-9318	1	Overflow Bottle ASM
20	105-3754	1	Cap
30	105-3755	1	Gasket
40	105-3756	1	Plate



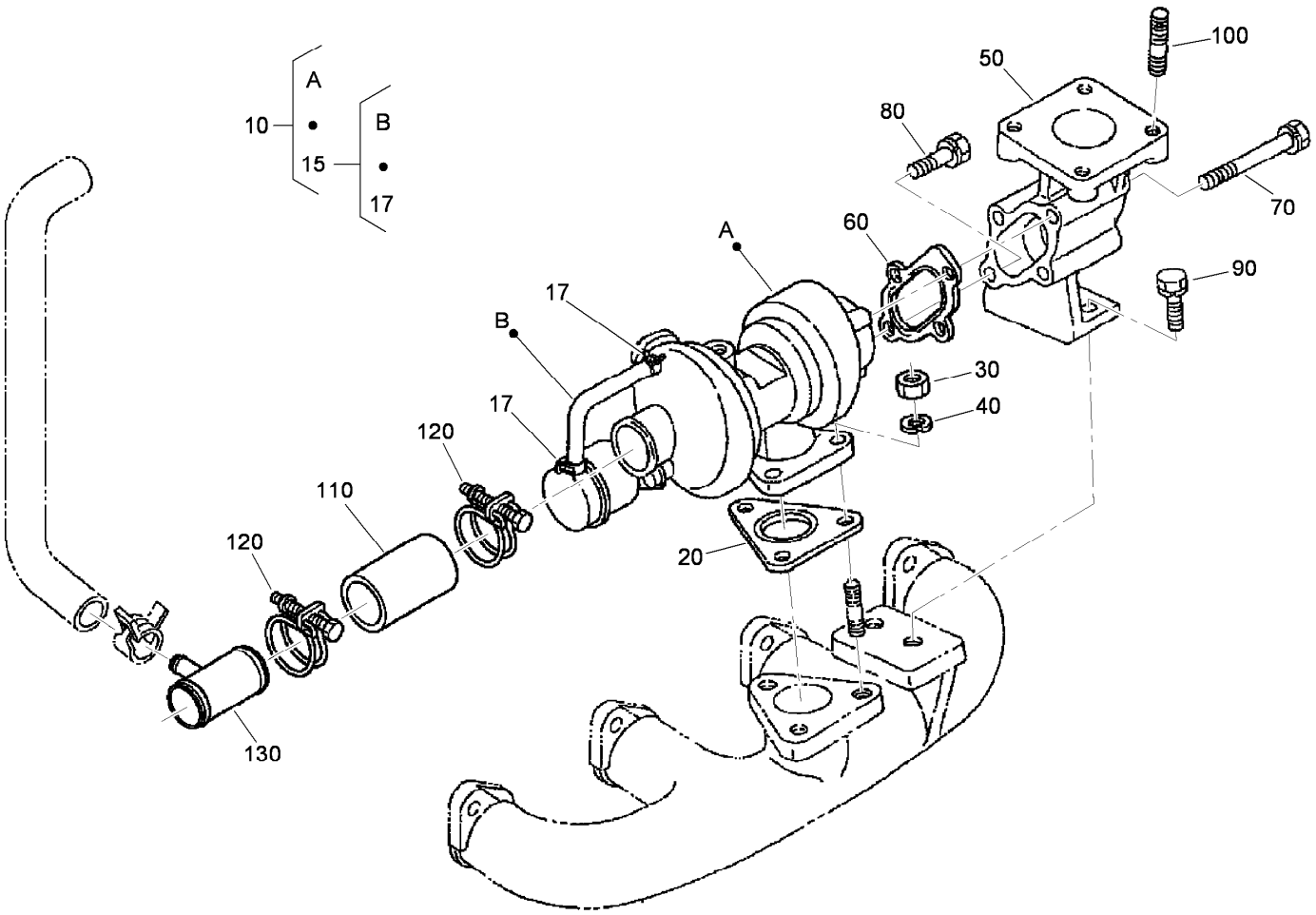
Valve and Rocker Arm Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	112-7018	4	Valve-Inlet
20	112-7019	4	Valve-Exhaust
30	98-9626	8	Spring-Valve
40	107-9092	8	Retainer-Spring
50	98-9390	8	Collet-Spring, Valve
60	99-8385	8	Seal-Stem, Valve
70	98-9497	8	Cap-Valve
80	105-3757	1	Shaft-Arm, Rocker
90	100-9265	2	Bolt
100	98-9505	4	Bracket-Arm, Rocker
110	98-9506	4	Stud
120	98-9393	4	Nut
130	98-9385	4	Washer-Flat
140	105-3758	2	Pin-Spring
150	98-9507	2	Washer-Shaft, R-Arm
160	3256-1	2	Washer-Flat
170	98-9504	3	Spring-Arm, Rocker
190	112-7020	8	Rocker Arm ASM
200	98-9502	8	Screw-Adjusting
210	98-9503	8	Nut



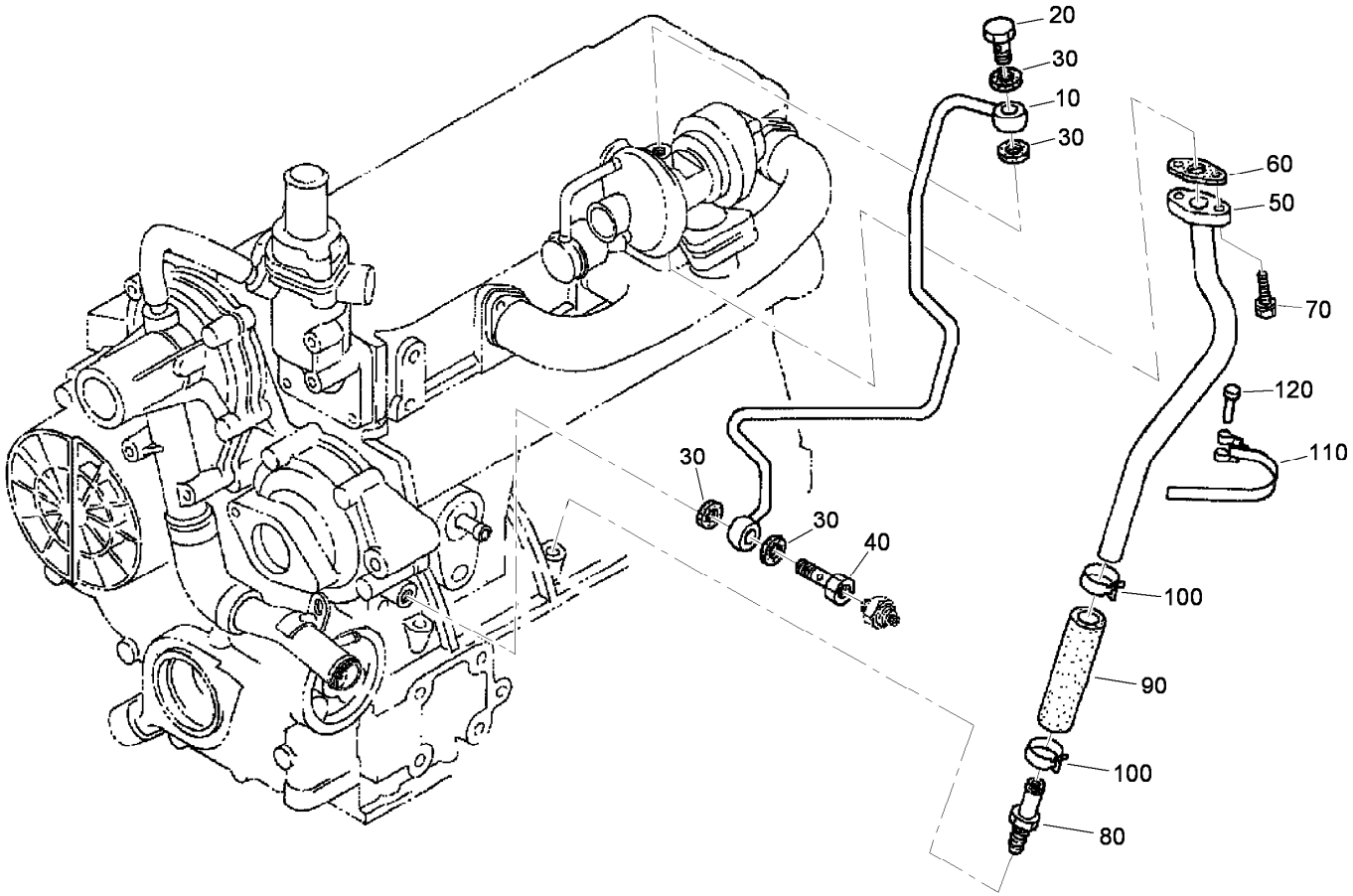
Inlet and Exhaust Manifold Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	105-3759	1	Inlet Manifold ASM
20	105-3760	1	Gasket-Manifold, Inlet
30	98-7605	3	Bolt
40	98-9353	2	Bolt
50	105-3797	3	Bolt
60	115-4123	1	Hose-Inlet
70	115-3048	1	Clamp-Hose
80	115-3049	1	Clamp-Hose
90	108-4425	1	Manifold-Exhaust
100	105-3765	1	Gasket-Ex-Manifold
110	98-9588	8	Stud
120	98-9665	8	Nut
130	99-8342	3	Stud



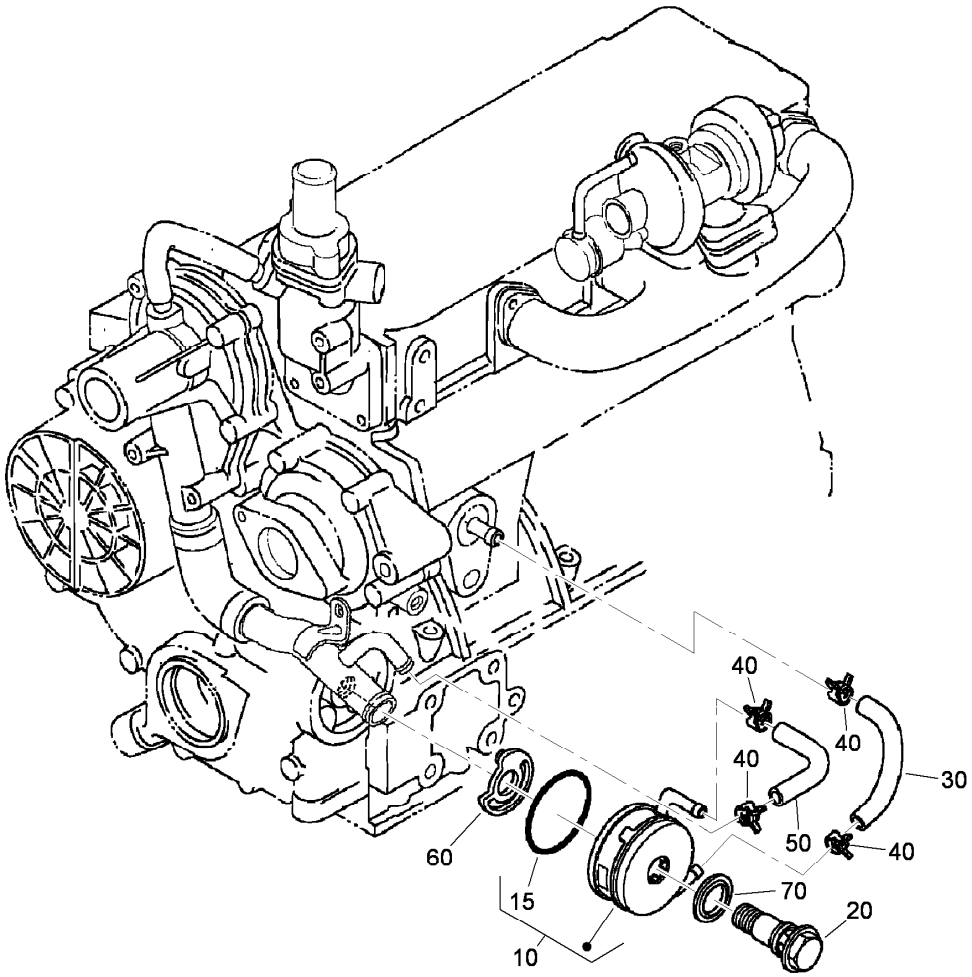
Turbo Charger Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	108-1412	1	Turbo Charger ASM
15	108-1413	1	Hose ASM
17	108-1414	2	Clamp-Hose
20	105-3767	1	Gasket
30	98-7534	3	Nut
40	105-2893	3	Washer-Spring
50	99-8335	1	Flange-Muffler
60	105-3768	1	Gasket
70	105-2894	3	Bolt
80	105-2895	1	Bolt
90	98-7610	2	Bolt
100	98-7769	4	Stud
110	115-4101	1	Tube-Inlet, Turbo
120	115-4102	2	Band
130	115-4103	1	Pipe-Inlet, Breather



Oil Pipe Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	108-4424	1	Oil Pipe ASM
20	115-4126	1	Bolt-Joint, Eye
30	99-8346	4	Gasket
40	115-4126	1	Bolt-Joint, Eye
50	108-4423	1	Oil Pipe ASM
60	108-4422	1	Gasket
70	98-7605	2	Bolt
80	105-3771	1	Oil Pipe ASM
90	98-9721	1	Pipe-Oil
100	98-9714	2	Clamp-Hose
110	98-9601	1	Clamp-Pipe
120	98-9591	1	Pin-Band



Oil Cooler Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	108-4448	1	Oil Cooler ASM
15	112-7030	1	O-Ring
20	106-7054	1	Holder ASM
30	98-9724	1	Pipe-Cooler, Oil
40	98-9579	4	Band-Pipe
50	98-9578	1	Pipe-Return, Water
60	105-3774	1	Collar
70	108-4449	1	Washer

Attachments and Accessories

For 03806 Reelmaster 6500-D 2-Wheel Drive Traction Unit

Product Name	Model/Part
Turf Defender Electronic Leak Detector Kit	03521
8-Blade DPA Reel Mower (7 inch)	03863
11-Blade DPA Reel Mower (7 inch)	03864
Verticutter (7 inch)	03877
8 and 11-Blade Reel Mower Basket Kit	03883
Premium Bio-Degradable Hydraulic Fluid (Pail)	100-7674
Wheel Weight Kit	104-1478
Muffler-Spark Arrestor	104-5201
Roller Brush ASM	106-9627
Premium All Season Hydraulic Fluid (Drum)	108-1177
Premium All Season Hydraulic Fluid (Pail)	108-1178
Premium Engine Oil, 10w30 (Drum)	108-1179
Premium Engine Oil, 10w30 (Pail)	108-1180
Premium Heavy Duty All Season Gear Lube (Pail)	108-1188
Premium Bio-Degradable Hydraulic Fluid (Drum)	108-1189
Premium All Purpose Grease (Tube)	108-1190
Premium Heavy Duty All Season Gear Lube (Quart)	108-1591
Gauge Bar Assembly	108-6715
Two Post Roll-Over Protection System	112-6505
Reel Tipper Kit	115-8008
Premium Synthetic Bio-Degradable Hydraulic Fluid (5 Gal)	119-2157
Premium Synthetic Bio-Degradable Hydraulic Fluid (55 Gal)	119-2158
Brush and Handle Kit	29-9100
400-Hour Filter Maintenance Kit	30057
Arm Rest Kit	30707
Diagnostic Display Box	85-4750
Plug-Plastic	93-7498

Notes:

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Count on it.